

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 25	Date of Summary: 01-FEB-1997	First Sample Examined: 7350
Lease Number: G10380	Source of Paleo: OPERATOR	Borehole MD: 13030
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13026
API Well Number: 608054000200	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 7350 - 13980	Water Depth: 4795
Public Info Code: Y 01-MAR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Hoover Prospect, company-integrated foram and nanno report, foram and nanno species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7350 / 7350	DEF AT first sample examined	DEF AT
7381 / 7381	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9630 / 9629	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10290 / 10289	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11220 / 11219	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11640 / 11639	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
12265 / 12264	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12360 / 12359	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
12419 / 12418	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12420 / 12419	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
12810 / 12808	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
12929 / 12926	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 6
12930 / 12927	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
12959 / 12956	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
12960 / 12957	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
13020 / 13016	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13109 /	DEF AT Upper Miocene (Messinian) Discoaster quinquedentatus	DEF AT 6
13110 /	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
13170 /	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
13260 /	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
13288 /	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
13289 /	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 25	Date of Summary: 01-FEB-1997	First Sample Examined: 7350
Lease Number: G10380	Source of Paleo: OPERATOR	Borehole MD: 13030
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13026
API Well Number: 608054000200	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 7350 - 13980	Water Depth: 4795
Public Info Code: Y 01-MAR-2007	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13290 /	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 6
13320 /	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
13350 /	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
13380 /	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
13409 /	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
13410 /	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
13470 /	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
13559 /	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
13560 /	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
13650 /	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
13680 /	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 6
13710 /	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
13739 /	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
13740 /	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
13800 /	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 6
13950 /	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 6
13979 /	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
13980 /	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 65	Date of Summary: 01-APR-1997	First Sample Examined: 6788
Lease Number: G09249	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16427
API Well Number: 608054000300	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6788 - 17000	Water Depth: 4852
Public Info Code: Y 23-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Diana Prospect, consultant-integrated foram and nanno report, 11880=Catinaster coalitus extensus, 12690=also at Uvigerina mexicana, 13170=Cibicides mexicanus, 14760=common Globigerina spp, 14790=Bulimina jarvisi, 14810=Helicosphaera bramlettei, 14820=Globigerina anguliofficialis

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6788 / 6787	DEF AT first sample examined	DEF AT
6789 / 6788	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8820 / 8819	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9000 / 8999	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
9600 / 9599	DEF AT Lower Pliocene (Zanclian) Discoaster surculus (acme)	DEF AT
10140 / 10139	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
10950 / 10949	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11010 / 11009	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11098 / 11097	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11099 / 11098	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
11100 / 11099	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT
11130 / 11129	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
11220 / 11219	DEF AT Upper Miocene (Messinian) Triquetrorhabdulus rugosus	DEF AT
11250 / 11249	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
11370 / 11368	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11550 / 11548	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11640 / 11638	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
11700 / 11698	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11730 / 11728	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11790 / 11787	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 65	Date of Summary: 01-APR-1997	First Sample Examined: 6788
Lease Number: G09249	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16427
API Well Number: 608054000300	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6788 - 17000	Water Depth: 4852
Public Info Code: Y 23-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11820 / 11817	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
11850 / 11847	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11880 / 11876	DEF AT local marker floral increase	DEF AT
11940 / 11935	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT
11970 / 11965	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
12000 / 11994	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT
12028 / 12022	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
12029 / 12023	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
12030 / 12024	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
12088 / 12080	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
12089 / 12081	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT
12090 / 12082	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
12120 / 12111	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT
12149 / 12140	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
12150 / 12141	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
12210 / 12199	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
12269 / 12257	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT
12270 / 12258	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
12329 / 12315	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
12330 / 12316	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT
12510 / 12488	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
12598 / 12570	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
12599 / 12571	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
12600 / 12572	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 65	Date of Summary: 01-APR-1997	First Sample Examined: 6788
Lease Number: G09249	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16427
API Well Number: 608054000300	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6788 - 17000	Water Depth: 4852
Public Info Code: Y 23-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
12660 / 12628	DEF AT Lower Miocene (Aquitanian) Discoaster woodringii	DEF AT
12689 / 12655	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT
12690 / 12656	DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT
12900 / 12847	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
13020 / 12952	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
13080 / 13004	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT
13170 / 13080	DEF AT local marker benthic foram increase	DEF AT
14340 / 14067	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
14460 / 14169	DEF AT Upper Oligocene (Chattian) Zyghrablithus bijugatus	DEF AT
14659 / 14340	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
14660 / 14341	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus (increase)	DEF AT
14750 / 14421	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
14760 / 14430	DEF AT local marker planktic foram increase	DEF AT
14790 / 14457	DEF AT local marker benthic foram increase	DEF AT
14810 / 14475	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
14940 / 14592	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT
15830 / 15349	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
16190 / 15668	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
17000 / 16427	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 65	Date of Summary: 01-MAY-1997	First Sample Examined: 11100
Lease Number: G09249	Source of Paleo: OPERATOR	Borehole MD: 12180
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11227
API Well Number: 608054000301	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 11100 - 15570	Water Depth: 4852
Public Info Code: Y 19-MAY-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Diana Prospect, 14760=Globigerinoides datum, 14820=Globigerina anguliofficialis

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11100 / 10517	DEF AT first sample examined	DEF AT 5
11101 / 10517	DEF IN Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
11250 / 10608	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
11520 / 10774	DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 5
11550 / 10793	DEF AT local marker planktic foram increase	DEF AT 5
11610 / 10830	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
11700 / 10888	DEF AT faunal change (no faunal increase)	DEF IN 4
11820 / 10969	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 4
11999 / 11095	DEF AT condensed section	DEF IN 4
12000 / 11096	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF IN 4
12030 / 11118	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
12060 / 11139	DEF AT local marker planktic foram increase	DEF AT 5
12090 / 11161	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF IN 5
12150 / 11205	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
12210 /	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
12240 /	DEF AT local marker planktic foram increase	DEF IN 5
12270 /	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 5
12390 /	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 5
12450 /	DEF AT drilling material	DEF IN 5
12510 /	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
12630 /	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF IN 5
13080 /	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 65	Date of Summary: 01-MAY-1997	First Sample Examined: 11100
Lease Number: G09249	Source of Paleo: OPERATOR	Borehole MD: 12180
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11227
API Well Number: 608054000301	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 11100 - 15570	Water Depth: 4852
Public Info Code: Y 19-MAY-2007	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
13410 /	DEF AT condensed section	DEF IN 5
13470 /	DEF AT deepwater facies Abbeville Iberia	DEF AT 5
13500 /	DEF AT local marker foram increase	DEF AT 5
13620 /	DEF AT faunal change (no faunal increase)	DEF IN 4
13800 /	DEF AT drilling material	DEF IN 4
14250 /	DEF AT local marker planktic foram increase	DEF IN 4
14759 /	POS AT Oligocene	DEF IN 4
14760 /	POS AT local marker planktic foram increase	DEF IN 4
14790 /	POS IN Oligocene	DEF AT 5
14820 /	DEF AT local marker planktic foram increase	DEF AT 5
14910 /	DEF AT local marker planktic foram increase	DEF AT 5
14940 /	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF IN 5
15570 /	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 200	Date of Summary: 30-JUN-1998	First Sample Examined: 6780
Lease Number: G15964	Source of Paleo: OPERATOR	Borehole MD: 10630
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10630
API Well Number: 608054000400	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 48
Paleo Report Num: 1 of 1	Sample Range: 6780 - 10620	Water Depth: 5088
Public Info Code: Y 31-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Bohemia Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6780 / 6780	DEF AT first sample examined	DEF AT 3
6781 / 6781	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 3
6900 / 6900	DEF AT local marker planktic foram increase	DEF AT 4
7380 / 7380	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
8400 / 8400	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
8819 / 8819	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
8820 / 8820	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
9180 / 9180	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
9500 / 9500	DEF AT - - - - -	DEF AT 3
10140 / 10140	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT 3
10230 / 10230	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 3
10260 / 10260	DEF AT - - - - -	DEF AT 4
10290 / 10290	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
10320 / 10320	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
10379 / 10379	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
10380 / 10380	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
10410 / 10410	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
10440 / 10440	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
10469 / 10469	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT 4
10470 / 10470	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
10500 / 10500	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 200	Date of Summary: 30-JUN-1998	First Sample Examined: 6780
Lease Number: G15964	Source of Paleo: OPERATOR	Borehole MD: 10630
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10630
API Well Number: 608054000400	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 48
Paleo Report Num: 1 of 1	Sample Range: 6780 - 10620	Water Depth: 5088
Public Info Code: Y 31-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10620 / 10620	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 739	Date of Summary: 26-JAN-2005	First Sample Examined: 10500
Lease Number: G19390	Source of Paleo: OPERATOR	Borehole MD: 19725
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19537
API Well Number: 608054002800	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 10500 - 19724	Water Depth: 6857
Public Info Code: Y 27-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Diamondback Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10500 / 10498	DEF AT first sample examined	DEF AT
10501 / 10499	DEF IN salt	DEF AT
11650 / 11648	POS IN Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
11699 / 11697	DEF AT salt	DEF AT
11700 / 11698	DEF AT local marker floral decrease	DEF AT
11900 / 11897	DEF IN Lower Oligocene	DEF AT
12019 / 12015	DEF AT salt	DEF AT
12020 / 12016	DEF AT local marker floral decrease	DEF AT
13230 / 13205	POS IN Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
13290 / 13263	DEF AT salt	DEF AT
13320 / 13293	DEF AT local marker floral decrease	DEF AT
13350 / 13322	DEF AT salt	DEF AT
14170 / 14122	DEF AT local marker floral decrease	DEF AT
14200 / 14151	DEF AT salt	DEF AT
14800 / 14737	DEF AT local marker floral decrease	DEF AT
14860 / 14796	DEF AT salt	DEF AT
15860 / 15771	DEF AT local marker floral decrease	DEF AT
16210 / 16111	DEF AT salt	DEF AT
16270 / 16170	DEF AT local marker floral decrease	DEF AT
16540 / 16432	DEF AT salt	DEF AT
16898 / 16781	DEF AT out-of-place section	DEF AT 6
16899 / 16782	DEF AT local marker floral increase	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 739	Date of Summary: 26-JAN-2005	First Sample Examined: 10500
Lease Number: G19390	Source of Paleo: OPERATOR	Borehole MD: 19725
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19537
API Well Number: 608054002800	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 10500 - 19724	Water Depth: 6857
Public Info Code: Y 27-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16900 / 16783	DEF IN Lower Oligocene	DEF AT 6
16928 / 16810	DEF AT base of salt	DEF AT 6
16929 / 16811	DEF AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF AT 6
16930 / 16812	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT 6
17140 / 17017	DEF AT local marker planktic foram increase	DEF AT 6
17170 / 17046	DEF AT local marker floral increase	DEF AT 6
17290 / 17163	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT 6
17349 / 17220	DEF AT local marker planktic foram increase	DEF AT 6
17350 / 17221	POS IN Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 6
17410 / 17279	DEF AT local marker planktic foram increase	DEF AT 6
17740 / 17601	POS IN Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 6
17799 / 17658	DEF AT local marker planktic foram increase	DEF AT 6
17800 / 17659	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT 6
17890 / 17747	DEF AT local marker planktic foram increase	DEF AT 6
17920 / 17777	DEF AT Lower Oligocene (Rupelian) Ericsonia subdisticha	DEF AT 6
18040 / 17894	DEF AT local marker planktic foram increase	DEF AT 6
18099 / 17951	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 6
18100 / 17952	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT 6
18130 / 17981	DEF AT Lower Oligocene (Rupelian) Calcidiscus reticulata	DEF AT 6
18310 / 18157	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 6
18400 / 18245	DEF AT local marker planktic foram increase	DEF AT 6
18460 / 18303	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT 6
18730 / 18567	DEF AT reworked material	DEF IN 6
18759 / 18595	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF IN 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 739	Date of Summary: 26-JAN-2005	First Sample Examined: 10500
Lease Number: G19390	Source of Paleo: OPERATOR	Borehole MD: 19725
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19537
API Well Number: 608054002800	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 10500 - 19724	Water Depth: 6857
Public Info Code: Y 27-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
18760 / 18596	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF IN 6
18820 / 18655	DEF AT local marker planktic foram increase	DEF IN 6
18879 / 18712	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF IN 6
18880 / 18713	DEF AT local marker planktic foram increase	DEF IN 6
19030 / 18859	DEF AT reworked material	DEF IN 6
19060 / 18889	DEF AT local marker planktic foram increase	DEF IN 6
19119 / 18946	DEF AT Middle Eocene (Bartonian) Pemma basquensis	DEF IN 6
19120 / 18947	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 6
19269 / 19093	DEF AT Middle Eocene (Bartonian) Micrantholithus procerus	DEF IN 6
19270 / 19094	DEF AT local marker planktic foram increase	DEF IN 6
19299 / 19122	POS AT reworked material	DEF IN 6
19300 / 19123	POS AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF IN 6
19360 / 19182	POS AT Arenaceous fauna (local marker)	DEF IN 6
19420 / 19240	DEF AT local marker floral increase	DEF IN 6
19540 / 19357	POS AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF IN 6
19570 / 19386	POS AT Arenaceous fauna (local marker)	DEF IN 6
19605 / 19420	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF IN 6
19608 / 19423	POS AT reworked material	DEF IN 6
19609 / 19424	POS AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF IN 6
19610 / 19425	DEF AT local marker planktic foram increase	DEF IN 6
19620 / 19435	DEF AT reworked material	DEF IN 6
19680 / 19494	DEF AT reworked material	DEF IN 6
19724 / 19537	DEF AT last sample examined	DEF IN 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 739	Date of Summary: 02-MAY-2005	First Sample Examined: 16930
Lease Number: G19390	Source of Paleo: OPERATOR	Borehole MD: 23847
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23552
API Well Number: 608054002801	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 16930 - 23807	Water Depth: 6857
Public Info Code: Y 27-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Diamondback Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16930 / 16817	DEF AT first sample examined	DEF AT
16931 / 16818	DEF IN Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
17290 / 17169	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT
17920 / 17784	DEF AT Lower Oligocene (Rupelian) Ericsonia subdisticha	DEF AT
18040 / 17901	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillaie	DEF AT
18310 / 18164	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
18460 / 18310	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
18629 / 18475	DEF AT Upper Eocene (Priabonian) Chiasmolithus consuetus	DEF IN 6
18730 / 18572	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF IN 6
18760 / 18601	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF IN 6
18850 / 18688	DEF AT local marker planktic foram increase	DEF IN 6
18999 / 18832	POS AT Middle Eocene (Bartonian) Pemma papillatum	DEF IN 6
19000 / 18833	POS AT Middle Eocene (Bartonian) Sphenolithus radians	DEF IN 6
19120 / 18949	DEF AT Middle Eocene (Bartonian) Pemma basquensis	DEF IN 6
19240 / 19064	DEF AT local marker planktic foram increase	DEF IN 6
19450 / 19266	POS AT Arenaceous fauna (local marker)	DEF IN 6
19548 / 19360	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF IN 6
19603 / 19413	POS AT local marker planktic foram increase	DEF IN 6
19751 / 19556	DEF AT Arenaceous fauna (local marker)	DEF IN 6
19778 / 19583	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF IN 6
19779 / 19584	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF IN 6
19780 / 19584	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF IN 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 739	Date of Summary: 02-MAY-2005	First Sample Examined: 16930
Lease Number: G19390	Source of Paleo: OPERATOR	Borehole MD: 23847
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23552
API Well Number: 608054002801	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 16930 - 23807	Water Depth: 6857
Public Info Code: Y 27-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19781 / 19585	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF IN 6
19810 / 19613	DEF AT Middle Eocene (Bartonian) Birkelundia staurion	DEF IN 6
19811 / 19614	POS AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF IN 6
19841 / 19643	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF IN 6
19901 / 19701	DEF AT local marker planktic foram increase	DEF IN 6
19977 / 19775	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF IN 6
19978 / 19776	DEF AT local marker planktic foram increase	DEF IN 6
19991 / 19788	DEF AT radiolarians	DEF IN 6
20017 / 19813	DEF AT radiolarians	DEF IN 6
20018 / 19814	DEF AT Middle Eocene (Lutetian) Discoaster subloidoensis	DEF IN 6
20019 / 19815	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF IN 6
20020 / 19816	POS AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF IN 6
20021 / 19817	POS AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF IN 6
20050 / 19845	DEF AT radiolarians	DEF IN 6
20051 / 19846	POS AT Arenaceous fauna (local marker)	DEF IN 6
20171 / 19962	POS AT Lower Eocene (Ypresian) Morozovella quetra	DEF IN 6
20200 / 19990	POS AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF IN 6
20201 / 19991	POS AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF IN 6
20230 / 20019	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF IN 6
20231 / 20020	POS AT Arenaceous fauna (local marker)	DEF IN 6
20288 / 20075	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF IN 6
20289 / 20076	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF IN 6
20290 / 20077	POS AT Bathysiphon fauna	DEF IN 6
20291 / 20078	POS AT Arenaceous fauna (local marker)	DEF IN 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 739	Date of Summary: 02-MAY-2005	First Sample Examined: 16930
Lease Number: G19390	Source of Paleo: OPERATOR	Borehole MD: 23847
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23552
API Well Number: 608054002801	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 16930 - 23807	Water Depth: 6857
Public Info Code: Y 27-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20311 / 20097	DEF AT cement	DEF IN 6
20390 / 20174	POS AT local marker planktic foram increase	DEF IN 6
20410 / 20193	DEF AT local marker floral increase	DEF IN 6
20429 / 20211	POS AT local marker planktic foram increase	DEF IN 6
20438 / 20220	DEF AT local marker foram decrease	DEF IN 6
20439 / 20221	DEF AT radiolarians	DEF IN 6
20460 / 20241	DEF AT Bathysiphon fauna	DEF IN 6
20500 / 20280	DEF AT Upper Paleocene (Thanetian) Toweius eminens	DEF IN 6
20650 / 20425	POS AT local marker planktic foram increase	DEF IN 6
20698 / 20471	DEF AT radiolarians	DEF IN 6
20739 / 20511	DEF AT Upper Paleocene (Thanetian) Chiasmolithus bidens	DEF IN 6
20740 / 20512	DEF AT Arenaceous fauna (local marker)	DEF IN 6
20800 / 20570	DEF AT Bathysiphon fauna	DEF IN 6
21159 / 20917	POS AT local marker floral increase	DEF IN 6
21160 / 20917	POS AT Arenaceous fauna (local marker)	DEF IN 6
21280 / 21034	POS AT Arenaceous fauna (local marker)	DEF IN 6
21910 / 21648	POS AT Arenaceous fauna (local marker)	DEF IN 6
22180 / 21912	POS AT local marker foram increase	DEF IN 6
22780 / 22499	POS AT local marker planktic foram increase	DEF IN 6
22840 / 22558	DEF AT Bathysiphon fauna	DEF IN 6
23020 / 22735	DEF AT Bathysiphon fauna	DEF IN 6
23230 / 22942	POS AT local marker foram increase	DEF IN 6
23320 / 23031	POS AT Arenaceous fauna (local marker)	DEF IN 6
23335 / 23046	DEF AT Bathysiphon fauna	DEF IN 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 739	Date of Summary: 02-MAY-2005	First Sample Examined: 16930
Lease Number: G19390	Source of Paleo: OPERATOR	Borehole MD: 23847
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23552
API Well Number: 608054002801	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 16930 - 23807	Water Depth: 6857
Public Info Code: Y 27-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23410 / 23120	POS AT local marker foram increase	DEF IN 6
23449 / 23158	POS AT Arenaceous fauna (local marker)	DEF IN 6
23650 / 23357	DEF AT Arenaceous fauna (local marker)	DEF IN 6
23708 / 23415	DEF AT reworked material	DEF IN 6
23709 / 23416	DEF AT local marker planktic foram increase	DEF IN 6
23710 / 23417	POS AT Upper Paleocene (Thanetian) Morozovella angulata	DEF IN 6
23807 / 23513	DEF AT last sample examined	DEF IN 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 943	Date of Summary: 05-APR-2004	First Sample Examined: 9700
Lease Number: G17575	Source of Paleo: OPERATOR	Borehole MD: 11700
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11700
API Well Number: 608054002600	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 9700 - 11700	Water Depth: 7962
Public Info Code: Y 31-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9700 / 9700	DEF AT first sample examined	DEF AT 5
9701 / 9701	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
9760 / 9760	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
9790 / 9790	POS AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
9820 / 9820	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
9880 / 9880	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
9910 / 9910	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
10020 / 10020	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
10040 / 10040	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
10070 / 10070	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 5
10080 / 10080	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
10090 / 10090	DEF AT radiolarians	DEF AT 5
10130 / 10130	DEF AT faunal change (no faunal increase)	POS AT 5
10170 / 10170	POS AT pyrite	DEF AT 5
10200 / 10200	DEF AT local marker (general)	DEF AT 5
10260 / 10260	DEF AT faunal change (no faunal increase)	POS AT 5
10390 / 10390	DEF AT transported outer shelf facies	POS AT 3
10420 / 10420	DEF AT siltstone	DEF AT
10659 / 10659	DEF AT pyrite	POS AT 3
10660 / 10660	DEF AT transported outer shelf facies	POS AT 3
10820 / 10820	DEF AT faunal change (no faunal increase)	DEF AT 5
10850 / 10850	DEF AT local marker foram increase	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 943	Date of Summary: 05-APR-2004	First Sample Examined: 9700
Lease Number: G17575	Source of Paleo: OPERATOR	Borehole MD: 11700
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11700
API Well Number: 608054002600	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 9700 - 11700	Water Depth: 7962
Public Info Code: Y 31-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
10910 / 10909	DEF AT local marker planktic foram increase	DEF AT 5
11030 / 11029	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
11089 / 11088	DEF AT transported outer shelf facies	POS AT 3
11090 / 11089	POS AT Lower Oligocene (Rupelian) Cibicides pippeni	POS AT 3
11240 / 11239	DEF AT faunal change (no faunal increase)	DEF AT 5
11270 / 11269	DEF AT faunal change (no faunal increase)	POS AT 5
11300 / 11299	DEF AT transported outer shelf facies	POS AT 3
11360 / 11359	DEF AT siltstone	POS AT 5
11700 / 11699	DEF AT last sample examined	POS AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 951	Date of Summary: 17-NOV-2003	First Sample Examined: 13080
Lease Number: G20885	Source of Paleo: OPERATOR	Borehole MD: 22695
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22694
API Well Number: 608054002400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 13080 - 22697	Water Depth: 10011
Public Info Code: Y 13-OCT-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13080 / 13080	DEF AT first sample examined	DEF AT
13081 / 13081	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
13110 / 13110	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
13140 / 13140	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13170 / 13170	DEF AT local marker floral decrease	DEF AT
13200 / 13200	DEF AT local marker floral increase	DEF AT
13230 / 13230	DEF AT local marker floral decrease	DEF AT
13290 / 13290	DEF AT local marker floral increase	DEF AT
13350 / 13350	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13590 / 13590	DEF AT local marker floral increase	DEF AT
13620 / 13620	DEF AT floral flood	DEF AT
13680 / 13680	DEF AT floral flood	DEF AT
13740 / 13740	DEF AT local marker floral decrease	DEF AT
13830 / 13830	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13950 / 13950	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14040 / 14040	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14130 / 14130	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14310 / 14310	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14340 / 14340	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
14400 / 14400	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14460 / 14460	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14550 / 14550	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 951	Date of Summary: 17-NOV-2003	First Sample Examined: 13080
Lease Number: G20885	Source of Paleo: OPERATOR	Borehole MD: 22695
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22694
API Well Number: 608054002400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 13080 - 22697	Water Depth: 10011
Public Info Code: Y 13-OCT-2006	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
14580 / 14580	DEF AT floral flood	DEF AT
14640 / 14640	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14700 / 14700	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
14820 / 14820	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
14940 / 14940	DEF AT local marker floral decrease	DEF AT
14970 / 14970	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
15030 / 15030	DEF AT local marker floral increase	DEF AT
15060 / 15060	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
15090 / 15090	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperensis	DEF AT
15120 / 15120	DEF IN Upper Oligocene (Chattian) Sphenolithus ciperensis	DEF AT
15150 / 15150	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
15180 / 15180	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
15240 / 15240	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
15330 / 15330	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
15450 / 15450	DEF AT local marker floral decrease	DEF AT
15480 / 15480	DEF AT floral flood	DEF AT
15630 / 15630	DEF AT local marker floral increase	DEF AT
15900 / 15900	DEF AT local marker floral decrease	DEF AT
16110 / 16109	DEF AT local marker floral increase	DEF AT
16410 / 16409	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
16560 / 16559	POS AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
16590 / 16589	DEF AT local marker floral decrease	DEF AT
16680 / 16679	DEF IN Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
18000 / 17999	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 951	Date of Summary: 17-NOV-2003	First Sample Examined: 13080
Lease Number: G20885	Source of Paleo: OPERATOR	Borehole MD: 22695
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22694
API Well Number: 608054002400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 13080 - 22697	Water Depth: 10011
Public Info Code: Y 13-OCT-2006	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
18060 / 18059	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
18120 / 18119	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
18150 / 18149	DEF AT local marker floral decrease	DEF AT
18210 / 18209	DEF AT local marker floral increase	DEF AT
18360 / 18359	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT
18540 / 18539	DEF AT Middle Eocene (Bartonian) Pemma papillatum	DEF AT
18660 / 18659	DEF AT local marker floral decrease	DEF AT
18810 / 18809	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
18930 / 18929	DEF AT local marker floral decrease	DEF AT
19050 / 19049	POS AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
19140 / 19139	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
19170 / 19169	DEF AT Middle Eocene (Lutetian) Discoaster sublodoensis	DEF AT
19260 / 19259	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
19290 / 19289	POS AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
19320 / 19319	DEF AT local marker floral decrease	DEF AT
19440 / 19439	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
19470 / 19469	DEF AT Lower Eocene (Ypresian) Chiasmolithus californicus	DEF AT
19590 / 19589	DEF AT local marker floral decrease	DEF AT
19680 / 19679	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
19740 / 19739	DEF AT Upper Paleocene (Thanetian) Toweius eminens	DEF AT
19741 / 19740	DEF AT Upper Paleocene (Thanetian) Chiasmolithus bidens	DEF AT
19770 / 19769	DEF AT local marker floral decrease	DEF AT
19800 / 19799	DEF IN Upper Paleocene (Thanetian) Chiasmolithus bidens	DEF AT
19860 / 19859	DEF AT local marker floral decrease	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 951	Date of Summary: 17-NOV-2003	First Sample Examined: 13080
Lease Number: G20885	Source of Paleo: OPERATOR	Borehole MD: 22695
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22694
API Well Number: 608054002400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 13080 - 22697	Water Depth: 10011
Public Info Code: Y 13-OCT-2006	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
20280 / 20279	DEF AT local marker floral increase	DEF AT
20430 / 20429	DEF AT local marker floral increase	DEF AT
20490 / 20489	DEF AT local marker floral decrease	DEF AT
20820 / 20819	POS AT local marker floral increase	DEF AT
20850 / 20849	DEF AT local marker floral decrease	DEF AT
21540 / 21539	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
21570 / 21569	DEF AT local marker floral decrease	DEF AT
21630 / 21629	POS AT local marker floral increase	DEF AT
21690 / 21689	DEF AT local marker floral decrease	DEF AT
22080 / 22079	POS AT local marker floral increase	DEF AT
22100 / 22099	DEF AT local marker floral decrease	DEF AT
22160 / 22159	DEF AT local marker floral increase	DEF AT
22190 / 22189	DEF AT local marker floral decrease	DEF AT
22697 /	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 951	Date of Summary: 01-JAN-2004	First Sample Examined: 13080
Lease Number: G20885	Source of Paleo: OPERATOR	Borehole MD: 22695
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22694
API Well Number: 608054002400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 13080 - 22697	Water Depth: 10011
Public Info Code: Y 13-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13080 / 13080	DEF AT first sample examined	DEF AT 5
13081 / 13081	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
13110 / 13110	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
13290 / 13290	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 5
13350 / 13350	DEF AT local marker foram decrease	DEF AT 5
13410 / 13410	DEF AT local marker planktic foram increase	DEF AT 5
13470 / 13470	DEF AT local marker foram decrease	DEF AT 5
13590 / 13590	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
13650 / 13650	DEF AT - - - - -	DEF AT 5
13740 / 13740	DEF AT local marker foram decrease	DEF AT 5
13830 / 13830	DEF AT foram flood	DEF IN 5
13860 / 13860	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13890 / 13890	DEF AT pyrite	DEF IN 5
13920 / 13920	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
14070 / 14070	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
14130 / 14130	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
14160 / 14160	DEF AT - - - - -	DEF AT 5
14190 / 14190	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
14280 / 14280	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
14340 / 14340	DEF AT local marker planktic foram increase	DEF AT 5
14370 / 14370	DEF AT local marker foram decrease	DEF AT 5
14400 / 14400	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 951	Date of Summary: 01-JAN-2004	First Sample Examined: 13080
Lease Number: G20885	Source of Paleo: OPERATOR	Borehole MD: 22695
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22694
API Well Number: 608054002400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 13080 - 22697	Water Depth: 10011
Public Info Code: Y 13-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
14460 / 14460	DEF AT pyrite	DEF AT 5
14490 / 14490	DEF AT local marker foram decrease	DEF AT 5
14549 / 14549	DEF AT pyrite	DEF AT 5
14550 / 14550	DEF AT local marker foram decrease	DEF AT 5
14640 / 14640	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14670 / 14670	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14700 / 14700	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
14730 / 14730	DEF AT pyrite	DEF AT 5
14760 / 14760	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
14790 / 14790	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
14820 / 14820	DEF AT local marker foram decrease	DEF AT 5
14850 / 14850	DEF AT pyrite	DEF AT 5
14970 / 14970	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
15030 / 15030	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
15090 / 15090	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT 5
15120 / 15120	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
15150 / 15150	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
15300 / 15300	POS AT reworked material	DEF AT 5
15389 / 15389	POS AT reworked material	DEF AT 5
15390 / 15390	POS AT Lower Oligocene (Rupelian) Nonion struma	DEF AT 5
15540 / 15540	DEF AT pyrite	DEF AT 5
15960 / 15960	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
16050 / 16049	DEF AT local marker foram decrease	DEF AT 5
16110 / 16109	POS AT local marker foram increase	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 951	Date of Summary: 01-JAN-2004	First Sample Examined: 13080
Lease Number: G20885	Source of Paleo: OPERATOR	Borehole MD: 22695
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22694
API Well Number: 608054002400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 13080 - 22697	Water Depth: 10011
Public Info Code: Y 13-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16140 / 16139	DEF AT local marker foram decrease	DEF AT 5
16170 / 16169	DEF AT local marker foram increase	DEF AT 5
16530 / 16529	DEF AT reworked material	DEF AT 5
16560 / 16559	DEF IN Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
16660 / 16659	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
16710 / 16709	DEF AT local marker foram increase	DEF AT 5
16890 / 16889	DEF AT local marker foram increase	DEF AT 5
17010 / 17009	DEF AT Upper Eocene (Priabonian) Bulimina jacksonensis	DEF AT 5
17040 / 17039	DEF AT - - - -	DEF AT 4
17190 / 17189	POS AT local marker planktic foram increase	DEF AT 4
17370 / 17369	DEF AT local marker foram decrease	DEF AT 4
18180 / 18179	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 4
18240 / 18239	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 4
18299 / 18298	DEF AT foram flood	DEF AT 5
18300 / 18299	DEF IN Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
18359 / 18358	DEF AT radiolarians	DEF AT 5
18360 / 18359	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5
18390 / 18389	DEF AT local marker foram decrease	DEF AT 5
18450 / 18449	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5
18540 / 18539	DEF AT local marker foram increase	DEF AT 5
18600 / 18599	DEF AT local marker foram decrease	DEF AT 5
18690 / 18689	DEF AT pyrite	DEF AT 4
18720 / 18719	DEF AT limestone	DEF AT 4
18840 / 18839	DEF AT pyrite	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 951	Date of Summary: 01-JAN-2004	First Sample Examined: 13080
Lease Number: G20885	Source of Paleo: OPERATOR	Borehole MD: 22695
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22694
API Well Number: 608054002400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 13080 - 22697	Water Depth: 10011
Public Info Code: Y 13-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18870 / 18869	POS AT Arenaceous fauna (local marker)	DEF AT 4
18930 / 18929	DEF AT pyrite	DEF AT 4
19138 / 19137	DEF AT pyrite	DEF AT 4
19139 / 19138	DEF AT limestone	DEF AT 4
19140 / 19139	DEF AT local marker planktic foram increase	DEF AT 4
19169 / 19168	DEF AT foram flood	DEF AT 5
19170 / 19169	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
19230 / 19229	DEF AT radiolarians	DEF AT 5
19290 / 19289	DEF AT pyrite	DEF AT 5
19320 / 19319	DEF AT local marker foram decrease	DEF AT 5
19470 / 19469	DEF AT local marker foram increase	DEF AT 5
19500 / 19499	DEF AT local marker foram decrease	DEF AT 5
19680 / 19679	DEF AT - - - -	DEF AT 4
19800 / 19799	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 4
19860 / 19859	DEF AT pyrite	DEF AT 4
20460 / 20459	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20520 / 20519	DEF AT pyrite	DEF AT 4
21029 / 21028	DEF AT limestone	DEF AT 4
21030 / 21029	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21059 / 21058	DEF AT pyrite	DEF AT 4
21060 / 21059	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21090 / 21089	DEF AT siltstone	DEF AT 4
21120 / 21119	DEF AT local marker foram decrease	DEF AT 4
21540 / 21539	DEF AT pyrite	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AC 951	Date of Summary: 01-JAN-2004	First Sample Examined: 13080
Lease Number: G20885	Source of Paleo: OPERATOR	Borehole MD: 22695
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22694
API Well Number: 608054002400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 13080 - 22697	Water Depth: 10011
Public Info Code: Y 13-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
21660 / 21659	POS AT Arenaceous fauna (local marker)	DEF AT 4
21690 / 21689	DEF AT pyrite	DEF AT 4
22480 / 22479	DEF AT pyrite	DEF AT 4
22599 / 22598	DEF AT Bathysiphon fauna	DEF AT 4
22600 / 22599	POS IN Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 4
22640 / 22639	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22697 /	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 18	Date of Summary: 01-NOV-2001	First Sample Examined: 6870
Lease Number: G16849	Source of Paleo: OPERATOR	Borehole MD: 28665
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 28651
API Well Number: 608184002400	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 6870 - 28560	Water Depth: 4266
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, 7560=Middle Pleistocene Gephyrocapsa margerelli, 23160=Middle Miocene Discoaster lidz

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6870 / 6870	DEF AT first sample examined	DEF AT
6871 / 6871	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
7290 / 7290	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7350 / 7350	DEF AT local marker floral increase	DEF AT
7560 / 7560	DEF AT local marker floral increase	DEF AT
8340 / 8339	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8400 / 8399	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8460 / 8459	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8730 / 8729	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9180 / 9179	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
9330 / 9329	DEF AT reworked material	DEF AT
9600 / 9599	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10050 / 10049	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10260 / 10259	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
10290 / 10289	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10620 / 10619	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
10650 / 10649	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
10680 / 10679	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10710 / 10709	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
10800 / 10799	DEF AT Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local)	DEF AT
10860 / 10859	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10861 / 10860	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 18	Date of Summary: 01-NOV-2001	First Sample Examined: 6870
Lease Number: G16849	Source of Paleo: OPERATOR	Borehole MD: 28665
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 28651
API Well Number: 608184002400	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 6870 - 28560	Water Depth: 4266
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
10980 / 10979	DEF AT gouge	DEF AT
10992 / 10991	DEF AT salt	DEF AT
19829 / 19819	DEF AT base of salt	DEF AT
19830 / 19820	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19980 / 19969	DEF AT local marker floral increase	DEF AT
20310 / 20299	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20970 / 20958	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
21390 / 21378	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
21600 / 21588	DEF AT reworked material	DEF AT
21690 / 21678	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
21750 / 21738	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
21810 / 21798	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21900 / 21888	DEF AT reworked material	DEF AT
22590 / 22578	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
23160 / 23148	DEF AT local marker floral increase	DEF AT
23280 / 23268	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
23940 / 23928	DEF AT local marker floral increase	DEF AT
24750 / 24738	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
25350 / 25337	DEF AT reworked material	DEF AT
25740 / 25727	DEF AT local marker floral increase	DEF AT
27480 / 27466	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
27540 / 27526	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
28560 / 28546	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 83	Date of Summary: 08-JUL-2003	First Sample Examined: 11000
Lease Number: G18495	Source of Paleo: OPERATOR	Borehole MD: 14000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14000
API Well Number: 608184004300	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 11000 - 14000	Water Depth: 8056
Public Info Code: Y 20-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 / 11000	DEF AT first sample examined	DEF AT 5
11060 / 11060	POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
11420 / 11420	DEF AT - - - - -	DEF IN 5
11750 / 11750	DEF AT - - - - -	DEF AT 5
12170 / 12170	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
12200 / 12200	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
12439 / 12439	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
12440 / 12440	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
12590 / 12589	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
12708 / 12707	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
12709 / 12708	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 5
12710 / 12709	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
12739 / 12738	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
12740 / 12739	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
12830 / 12829	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
12859 / 12858	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
12860 / 12859	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
12889 / 12888	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
12890 / 12889	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 5
12920 / 12919	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
13040 / 13039	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
13400 / 13399	DEF AT local marker foram decrease	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 83	Date of Summary: 08-JUL-2003	First Sample Examined: 11000
Lease Number: G18495	Source of Paleo: OPERATOR	Borehole MD: 14000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14000
API Well Number: 608184004300	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 11000 - 14000	Water Depth: 8056
Public Info Code: Y 20-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13760 / 13759	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
14000 / 13999	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 83	Date of Summary: 08-JUL-2003	First Sample Examined: 11000
Lease Number: G18495	Source of Paleo: OPERATOR	Borehole MD: 14000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14000
API Well Number: 608184004300	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 11000 - 14000	Water Depth: 8056
Public Info Code: Y 20-APR-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
11000 / 11000	DEF AT first sample examined	DEF AT
11210 / 11210	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
11450 / 11450	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12470 / 12470	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
12590 / 12589	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12650 / 12649	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12710 / 12709	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12740 / 12739	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12830 / 12829	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12920 / 12919	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13010 / 13009	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
13040 / 13039	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13070 / 13069	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13130 / 13129	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13370 / 13369	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13760 / 13759	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14000 / 13999	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 140	Date of Summary: 24-MAY-2006	First Sample Examined: 5850
Lease Number: G16865	Source of Paleo: OPERATOR	Borehole MD: 24803
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24788
API Well Number: 608184005900	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5850 - 24690	Water Depth: 3739
Public Info Code: Y 17-DEC-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Claymore Prospect, consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5850 / 5850	DEF AT first sample examined	DEF AT 5
5940 / 5940	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6630 / 6630	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
6720 / 6720	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
6780 / 6780	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 5
6810 / 6810	DEF AT - - - - -	DEF AT 5
7078 / 7078	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
7079 / 7079	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
7080 / 7080	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7620 / 7620	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
7650 / 7650	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
7770 / 7770	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
7800 / 7800	DEF AT reworked material	DEF AT 5
7950 / 7950	DEF AT salt	DEF AT 5
12349 / 12348	DEF AT base of salt	DEF AT 5
12350 / 12349	DEF AT out-of-place section	DEF AT 5
12600 / 12599	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
13259 / 13258	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT 5
13260 / 13259	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14410 / 14409	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
14470 / 14469	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
17680 / 17678	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 140	Date of Summary: 24-MAY-2006	First Sample Examined: 5850
Lease Number: G16865	Source of Paleo: OPERATOR	Borehole MD: 24803
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24788
API Well Number: 608184005900	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5850 - 24690	Water Depth: 3739
Public Info Code: Y 17-DEC-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18069 / 18067	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
18070 / 18068	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
19060 / 19057	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
20380 / 20374	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF AT 5
20650 / 20642	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
20920 / 20909	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
22350 / 22335	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 5
24690 / 24675	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 140	Date of Summary: 30-JAN-2007	First Sample Examined: 13650
Lease Number: G16865	Source of Paleo: OPERATOR	Borehole MD: 19610
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17667
API Well Number: 608184005903	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 13650 - 19610	Water Depth: 3739
Public Info Code: Y 17-DEC-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Claymore Prospect, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13650 / 12748	DEF AT first sample examined	DEF AT 5
13651 / 12749	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
13652 / 12749	POS IN reworked material	DEF AT 5
14190 / 13141	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 5
14580 / 13428	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
14610 / 13450	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT 5
15660 / 14226	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
15690 / 14248	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
15719 / 14270	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
15720 / 14270	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
17100 / 15357	DEF AT local marker floral increase	DEF AT 5
18540 / 16671	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
18660 / 16784	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
18750 / 16868	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
18990 / 17092	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
19020 / 17120	DEF AT Upper Miocene (Messinian) Triquetrorhabdulus rugosus	DEF AT 5
19320 / 17399	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
19610 / 17667	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 140	Date of Summary: 28-SEP-2007	First Sample Examined: 12480
Lease Number: G16865	Source of Paleo: OPERATOR	Borehole MD: 15600
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15290
API Well Number: 608184005904	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 12480 - 25290	Water Depth: 3739
Public Info Code: Y 17-DEC-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12480 / 12347	DEF AT first sample examined	DEF AT 5
13049 / 12887	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13050 / 12888	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
14550 / 14303	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
15600 / 15290	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 187	Date of Summary: 08-SEP-2002	First Sample Examined: 7300
Lease Number: G16870	Source of Paleo: OPERATOR	Borehole MD: 30010
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29992
API Well Number: 608184003100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 3	Sample Range: 7300 - 12300	Water Depth: 4062
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7300 / 7300	DEF AT first sample examined	DEF AT
7301 / 7301	DEF IN Upper Pleistocene	DEF AT
7420 / 7420	DEF AT floral flood	DEF AT
7570 / 7570	DEF AT reworked material	DEF AT
8290 / 8289	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8380 / 8379	DEF AT floral flood	DEF AT
8470 / 8469	DEF AT reworked material	DEF AT
9310 / 9309	DEF AT floral flood	DEF AT
9580 / 9579	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9640 / 9639	DEF AT salt	DEF AT
9670 / 9669	DEF AT floral flood	DEF AT
9760 / 9759	DEF IN salt	DEF AT
9880 / 9879	DEF AT local marker floral increase	DEF AT
9910 / 9909	DEF IN salt	DEF AT
9970 / 9969	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 187	Date of Summary: 09-SEP-2002	First Sample Examined: 7300
Lease Number: G16870	Source of Paleo: OPERATOR	Borehole MD: 30010
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29992
API Well Number: 608184003100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 3	Sample Range: 7300 - 30010	Water Depth: 4062
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 11350=Middle Eocene (Bartonian) Globigerina higginsi LAD, 20760=probable Lower Pliocene normal section

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7300 / 7300	DEF AT first sample examined	DEF AT 4
7301 / 7301	DEF IN Upper Pleistocene	DEF AT 4
7420 / 7420	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
7450 / 7450	DEF AT local marker foram decrease	DEF AT 5
7510 / 7510	DEF AT foram flood	DEF AT 5
7540 / 7540	DEF AT local marker foram decrease	DEF IN 4
7630 / 7630	DEF AT local marker planktic foram increase	DEF IN 4
7660 / 7660	DEF AT local marker foram decrease	DEF IN 4
7720 / 7720	DEF AT local marker foram increase	DEF IN 4
8260 / 8259	DEF AT Illinoian fauna (local marker)	DEF IN 4
8470 / 8469	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
9040 / 9039	DEF AT local marker foram increase	DEF IN 4
9070 / 9069	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
9130 / 9129	DEF AT local marker foram increase	DEF IN 4
9220 / 9219	DEF AT local marker foram decrease	DEF IN 4
9250 / 9249	DEF AT local marker planktic foram increase	DEF IN 4
9280 / 9279	DEF AT foram flood	DEF IN 4
9370 / 9369	DEF AT local marker foram decrease	DEF IN 4
9550 / 9549	DEF AT local marker foram increase	DEF IN 4
9580 / 9579	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9610 / 9609	DEF AT faunal change (no faunal increase)	DEF IN 4
9640 / 9639	DEF AT salt	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 187	Date of Summary: 09-SEP-2002	First Sample Examined: 7300
Lease Number: G16870	Source of Paleo: OPERATOR	Borehole MD: 30010
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29992
API Well Number: 608184003100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 3	Sample Range: 7300 - 30010	Water Depth: 4062
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
9700 / 9699	DEF AT faunal change (no faunal increase)	DEF AT 1
11109 / 11108	DEF AT unconformity	DEF AT 4
11110 / 11109	DEF AT Lower (Early) Paleocene	DEF AT 4
11230 / 11229	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 4
11260 / 11259	DEF AT faunal change (no faunal increase)	DEF IN 4
11289 / 11288	DEF AT radiolarians	DEF IN 4
11290 / 11289	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF IN 4
11350 / 11349	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF IN 4
11380 / 11379	POS AT salt	DEF AT 1
18884 / 18877	DEF AT base of salt	DEF AT
18885 / 18878	DEF AT Lower Cretaceous Albian Stage	DEF AT
18990 / 18983	DEF AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT
19020 / 19013	DEF AT faunal change (no faunal increase)	DEF AT 4
19050 / 19043	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT 4
19080 / 19073	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
19140 / 19133	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
19170 / 19163	DEF AT out-of-place section	DEF AT 4
19230 / 19223	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
19260 / 19253	DEF AT out-of-place section	DEF AT 4
19320 / 19313	DEF AT limestone	DEF AT 4
19440 / 19432	DEF AT local marker foram decrease	DEF AT 4
19590 / 19582	DEF AT faunal change (no faunal increase)	DEF IN 4
19710 / 19702	DEF AT foram flood	DEF IN 4
19739 / 19731	DEF AT radiolarians	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 187	Date of Summary: 09-SEP-2002	First Sample Examined: 7300
Lease Number: G16870	Source of Paleo: OPERATOR	Borehole MD: 30010
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29992
API Well Number: 608184003100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 3	Sample Range: 7300 - 30010	Water Depth: 4062
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
19740 / 19732	DEF AT Middle Eocene (Bartonian) Orbulinooides beckmanni	DEF IN 4
19800 / 19792	DEF AT local marker foram decrease	DEF AT 4
19890 / 19882	DEF AT local marker foram increase	DEF AT 4
20100 / 20091	DEF AT faunal change (no faunal increase)	DEF IN 3
20130 / 20121	DEF AT local marker foram decrease	DEF IN 3
20760 / 20751	POS IN Pliocene	DEF IN 3
21180 / 21170	DEF AT pyrite	DEF IN 3
21210 / 21200	DEF AT reworked material	DEF IN 3
21270 / 21260	DEF AT local marker foram decrease	DEF IN 3
21620 / 21610	DEF AT local marker foram increase	DEF IN 3
21650 / 21640	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 3
21890 / 21880	DEF AT local marker foram decrease	DEF AT 4
22010 / 22000	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
22040 / 22030	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22130 / 22120	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
22250 / 22240	DEF AT local white Arenaceous fauna	DEF AT 4
22340 / 22329	DEF AT local marker foram decrease	DEF AT 4
22670 / 22659	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
22730 / 22719	DEF AT local marker foram decrease	DEF AT 4
23000 / 22989	DEF AT local marker planktic foram increase	DEF AT 4
23210 / 23199	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23360 / 23349	DEF AT local marker planktic foram increase	DEF AT 4
23420 / 23409	DEF AT local marker foram decrease	DEF AT 4
23570 / 23559	DEF AT local white Arenaceous fauna	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 187	Date of Summary: 09-SEP-2002	First Sample Examined: 7300
Lease Number: G16870	Source of Paleo: OPERATOR	Borehole MD: 30010
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29992
API Well Number: 608184003100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 3	Sample Range: 7300 - 30010	Water Depth: 4062
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23630 / 23619	DEF AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF AT 4
23660 / 23649	DEF AT local marker planktic foram increase	DEF AT 4
23690 / 23679	DEF AT local marker foram decrease	DEF AT 4
23780 / 23769	POS AT local marker planktic foram increase	DEF AT 4
23840 / 23829	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
23930 / 23919	DEF AT local marker foram increase	DEF AT 4
23990 / 23979	DEF AT local marker foram decrease	DEF AT 4
24080 / 24069	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24170 / 24159	DEF AT Bathysiphon fauna	DEF AT 4
24200 / 24189	DEF AT pyrite	DEF AT 4
24230 / 24219	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24260 / 24249	DEF AT local marker foram decrease	DEF AT 4
24590 / 24579	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24650 / 24639	DEF AT Bathysiphon fauna	DEF AT 4
24950 / 24939	DEF AT local marker foram increase	DEF IN 4
25070 / 25059	DEF AT local marker foram decrease	DEF IN 4
25100 / 25089	DEF AT - - - -	DEF AT 4
25249 / 25238	DEF AT pyrite	DEF AT 4
25250 / 25239	DEF AT local white Arenaceous fauna	DEF AT 4
25910 / 25899	DEF AT pyrite	DEF IN 4
26060 / 26049	DEF AT Arenaceous fauna (local marker)	DEF IN 4
26090 / 26079	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 4
26120 / 26109	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
26150 / 26139	DEF AT Arenaceous fauna (local marker)	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 187	Date of Summary: 09-SEP-2002	First Sample Examined: 7300
Lease Number: G16870	Source of Paleo: OPERATOR	Borehole MD: 30010
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29992
API Well Number: 608184003100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 3	Sample Range: 7300 - 30010	Water Depth: 4062
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26210 / 26199	DEF AT local marker foram decrease	DEF AT 4
26330 / 26318	DEF IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 4
26450 / 26438	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
26599 / 26587	DEF AT pyrite	DEF IN 4
26600 / 26588	DEF AT local marker foram increase	DEF IN 4
26630 / 26618	DEF AT Eggerella sp. (local marker)	DEF IN 4
26720 / 26708	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
26840 / 26828	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
26870 / 26858	DEF AT pyrite	DEF IN 4
27020 / 27008	DEF AT - - - - -	DEF AT 4
27050 / 27038	DEF AT Bathysiphon fauna	DEF AT 4
27230 / 27218	DEF AT local marker foram increase	DEF AT 4
27320 / 27308	DEF AT local marker foram decrease	DEF AT 4
27560 / 27548	DEF AT pyrite	DEF AT 4
27740 / 27728	DEF AT local marker foram decrease	DEF AT 4
27800 / 27788	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
27890 / 27878	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
27980 / 27968	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
28460 / 28447	DEF AT local marker foram increase	DEF IN 4
28520 / 28506	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
28580 / 28566	DEF AT - - - - -	DEF IN 4
28640 / 28626	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
28700 / 28686	DEF AT local marker foram decrease	DEF IN 4
28910 / 28895	DEF AT local marker benthic foram increase	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 187	Date of Summary: 09-SEP-2002	First Sample Examined: 7300
Lease Number: G16870	Source of Paleo: OPERATOR	Borehole MD: 30010
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29992
API Well Number: 608184003100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 3	Sample Range: 7300 - 30010	Water Depth: 4062
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29068 / 29053	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
29240 / 29224	DEF AT local marker foram decrease	DEF IN 4
29450 / 29434	DEF AT local marker foram increase	DEF IN 4
29480 / 29463	DEF AT Arenaceous fauna (local marker)	DEF IN 4
29510 / 29493	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
29600 / 29583	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
29660 / 29643	DEF AT Arenaceous fauna (local marker)	DEF IN 4
29720 / 29702	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 4
29840 / 29822	DEF AT local marker foram increase	DEF IN 4
29870 / 29852	DEF AT local marker foram decrease	DEF IN 4
30010 / 29991	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 187	Date of Summary: 14-OCT-2002	First Sample Examined: 18885
Lease Number: G16870	Source of Paleo: OPERATOR	Borehole MD: 30010
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29992
API Well Number: 608184003100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 3 of 3	Sample Range: 18885 - 30010	Water Depth: 4062
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, mixed or jumbled nannofossil section from 19360 to 20760 of various Cenozoic-Mesozoic ages

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18885 / 18878	DEF AT first sample examined	DEF AT
18886 / 18879	DEF IN Lower Cretaceous Aptian Stage	DEF AT
18887 / 18880	DEF AT limestone	DEF AT
18920 / 18913	DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
19020 / 19013	DEF AT Lower Paleocene Danian Stage	DEF AT
19040 / 19033	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
19050 / 19043	DEF AT Middle Eocene	DEF AT
19080 / 19073	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
19110 / 19103	DEF AT out-of-place section	DEF AT
19160 / 19153	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
19170 / 19163	DEF AT out-of-place section	DEF AT
19280 / 19273	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19290 / 19283	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
19360 / 19352	DEF AT out-of-place section	DEF AT
19590 / 19582	DEF AT local marker floral increase	DEF AT
19920 / 19911	DEF AT floral flood	DEF AT
20760 / 20751	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
21120 / 21110	DEF AT reworked material	DEF AT
21650 / 21640	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
22010 / 22000	DEF AT local marker floral increase	DEF AT
22190 / 22180	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
22640 / 22629	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 187	Date of Summary: 14-OCT-2002	First Sample Examined: 18885
Lease Number: G16870	Source of Paleo: OPERATOR	Borehole MD: 30010
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29992
API Well Number: 608184003100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 3 of 3	Sample Range: 18885 - 30010	Water Depth: 4062
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22670 / 22659	DEF AT local marker floral increase	DEF AT
22970 / 22959	DEF AT floral flood	DEF AT
23330 / 23319	DEF AT local marker floral increase	DEF AT
23630 / 23619	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT
23840 / 23829	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
23930 / 23919	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
24320 / 24309	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
24500 / 24489	DEF AT local marker floral increase	DEF AT
24950 / 24939	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
26330 / 26318	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
26990 / 26978	DEF AT local marker floral increase	DEF AT
27080 / 27068	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
27620 / 27608	DEF AT local marker floral increase	DEF AT
27680 / 27668	DEF AT local marker floral increase	DEF AT
27800 / 27788	DEF AT local marker floral increase	DEF AT
27830 / 27818	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
27950 / 27938	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
28010 / 27997	DEF AT floral flood	DEF AT
28490 / 28476	DEF AT local marker floral increase	DEF AT
28610 / 28596	DEF AT local marker floral increase	DEF AT
28880 / 28865	DEF AT local marker floral increase	DEF AT
29030 / 29015	DEF AT local marker floral increase	DEF AT
29060 / 29045	DEF AT floral flood	DEF AT
29510 / 29493	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 187	Date of Summary: 14-OCT-2002	First Sample Examined: 18885
Lease Number: G16870	Source of Paleo: OPERATOR	Borehole MD: 30010
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29992
API Well Number: 608184003100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 3 of 3	Sample Range: 18885 - 30010	Water Depth: 4062
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29840 / 29822	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
30010 / 29991	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 194	Date of Summary: 01-NOV-2001	First Sample Examined: 7700
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 8465
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8465
API Well Number: 608184002500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 4	Sample Range: 7700 - 8270	Water Depth: 4585
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Sawtooth Prospect

MD / TVD	Paleo Top Description	Ecozone
7700 / 7698	DEF AT first sample examined	DEF IN 4
7701 / 7699	DEF IN Upper (Late) Miocene	DEF IN 4
7760 / 7758	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 4
7880 / 7878	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT
7970 / 7968	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
8000 / 7998	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8090 / 8088	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
8269 / 8267	DEF AT salt	DEF AT
8270 / 8268	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 194	Date of Summary: 04-FEB-2002	First Sample Examined: 7700
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 8465
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 8465
API Well Number: 608184002500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 2 of 4	Sample Range: 7700 - 8300	Water Depth: 4585
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Sawtooth Prospect, company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
7700 / 7698	DEF AT first sample examined	DEF AT 4
7701 / 7699	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
7760 / 7758	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
7761 / 7759	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
7820 / 7818	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
7910 / 7908	DEF AT - - - -	DEF IN 4
7940 / 7938	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF IN 4
7970 / 7968	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 4
8030 / 8028	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
8090 / 8088	DEF AT local marker benthic foram increase	DEF IN 4
8180 / 8178	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF IN 4
8240 / 8238	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 4
8270 / 8268	DEF AT salt	DEF IN 4
8300 / 8298	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 194	Date of Summary: 04-FEB-2002	First Sample Examined: 7700
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 8465
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 8465
API Well Number: 608184002500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 3 of 4	Sample Range: 7700 - 8270	Water Depth: 4585
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Sawtooth Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7700 / 7698	DEF AT first sample examined	DEF AT
7701 / 7699	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7760 / 7758	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
7820 / 7818	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
7940 / 7938	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
7970 / 7968	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
8240 / 8238	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
8269 / 8267	DEF AT salt	DEF AT
8270 / 8268	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 194	Date of Summary: 04-FEB-2002	First Sample Examined: 7700
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 8465
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 8465
API Well Number: 608184002500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 4 of 4	Sample Range: 7700 - 8465	Water Depth: 4585
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Sawtooth Prospect, paleo done by Bruce Robertson

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7700 / 7698	DEF AT first sample examined	DEF AT
7701 / 7699	DEF IN Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT
7760 / 7758	DEF IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
8030 / 8028	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8120 / 8118	DEF AT local marker benthic foram increase	DEF AT
8180 / 8178	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT
8300 / 8298	DEF IN salt	DEF AT
8465 / 8463	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 194	Date of Summary: 04-FEB-2002	First Sample Examined: 7830
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 18770
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 18763
API Well Number: 608184002501	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 3	Sample Range: 7830 - 18760	Water Depth: 4562
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Sawtooth Prospect, company-integrated foram and nanno report, no determinate ages below the salt, may be Discoaster berggrenii A with much reworking

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7830 / 7828	DEF AT first sample examined	DEF AT
7831 / 7829	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
7920 / 7918	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
7980 / 7978	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
8030 / 8028	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
8180 / 8178	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT
8200 / 8198	DEF AT salt	DEF AT
8230 / 8228	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17050 / 17044	DEF AT base of salt	DEF AT
18760 / 18753	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 194	Date of Summary: 04-FEB-2002	First Sample Examined: 8600
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 18770
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 18763
API Well Number: 608184002501	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 2 of 3	Sample Range: 8600 - 18770	Water Depth: 4562
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Sawtooth Prospect, 16980=base of salt from E-log

MD / TVD	Paleo Top Description	Ecozone
8600 / 8598	DEF AT first sample examined	DEF AT
8601 / 8599	DEF IN salt	DEF AT
16980 / 16974	DEF AT base of salt	DEF AT
17270 / 17264	DEF AT local marker foram decrease	DEF AT
17450 / 17443	DEF AT local marker foram decrease	DEF AT
17570 / 17563	DEF AT local marker foram increase	DEF AT
17990 / 17983	DEF AT local marker foram increase	DEF AT
18170 / 18163	DEF AT local marker foram increase	DEF AT
18580 / 18573	DEF AT local marker foram increase	DEF AT
18640 / 18633	DEF AT local marker foram decrease	DEF AT
18760 / 18753	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 194	Date of Summary: 04-FEB-2002	First Sample Examined: 7830
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 18770
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 18763
API Well Number: 608184002501	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 3 of 3	Sample Range: 7830 - 18760	Water Depth: 4562
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Sawtooth Prospect, calcareous nannofossil report, paleo done by Richard Constans, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7830 / 7828	DEF AT first sample examined	DEF AT
7831 / 7829	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
7920 / 7918	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
7980 / 7978	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
8200 / 8198	DEF AT salt	DEF AT
8230 / 8228	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17050 / 17044	DEF AT base of salt	DEF AT
18760 / 18753	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 194	Date of Summary: 07-JAN-2002	First Sample Examined: 17070
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 22421
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22405
API Well Number: 608184002502	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 4	Sample Range: 17070 - 22418	Water Depth: 4562
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Sawtooth Prospect, original hole and bypass report, 21850=Middle Miocene Globoquadrina altispira coiling change

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17070 / 17064	DEF AT first sample examined	DEF IN 3
17100 / 17094	DEF AT out-of-place section	DEF IN 3
17130 / 17124	DEF AT - - - - -	DEF AT 4
17250 / 17244	DEF AT local marker foram decrease	DEF AT 4
17400 / 17393	DEF AT out-of-place section	DEF AT 4
17730 / 17723	DEF AT - - - - -	DEF AT 3
17820 / 17813	POS IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
17940 / 17933	DEF AT - - - - -	DEF IN 3
18550 / 18541	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 3
19240 / 19228	DEF AT - - - - -	DEF AT 4
19360 / 19348	POS AT Arenaceous fauna (local marker)	DEF IN 4
19480 / 19467	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 4
19720 / 19706	DEF AT - - - - -	DEF AT 4
19930 / 19916	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
20920 / 20905	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
21040 / 21025	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
21070 / 21055	DEF AT - - - - -	DEF IN 3
21400 / 21385	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 3
21430 / 21415	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
21730 / 21715	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
21750 / 21735	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
21810 / 21795	DEF AT - - - - -	DEF IN 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 194	Date of Summary: 07-JAN-2002	First Sample Examined: 17070
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 22421
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22405
API Well Number: 608184002502	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 4	Sample Range: 17070 - 22418	Water Depth: 4562
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21850 / 21835	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 4
21999 / 21984	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF IN 4
22000 / 21985	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 4
22030 / 22015	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF IN 4
22120 / 22105	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 4
22418 / 22402	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 194	Date of Summary: 08-JAN-2002	First Sample Examined: 18760
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 22421
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 22405
API Well Number: 608184002502	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 2 of 4	Sample Range: 18760 - 22418	Water Depth: 4562
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Sawtooth Prospect, paleo done by Bruce Robertson, 18820=selenite

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18760 / 18750	DEF AT first sample examined	DEF AT
18820 / 18810	DEF AT gypsum	DEF AT
19360 / 19348	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
19600 / 19587	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
19630 / 19616	DEF AT reworked material	DEF AT
19840 / 19826	DEF AT calcite	DEF AT
19960 / 19946	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
20470 / 20455	DEF IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
20590 / 20575	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
20770 / 20755	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
20920 / 20905	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT
20980 / 20965	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT
21280 / 21265	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
21460 / 21445	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
21490 / 21475	DEF AT local marker foram increase	DEF AT
21640 / 21625	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
21820 / 21805	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
21940 / 21925	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
21941 / 21926	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
22090 / 22075	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT
22119 / 22104	DEF AT limestone	DEF AT
22120 / 22105	DEF AT local marker planktic foram increase	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 194	Date of Summary: 08-JAN-2002	First Sample Examined: 18760
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 22421
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 22405
API Well Number: 608184002502	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 2 of 4	Sample Range: 18760 - 22418	Water Depth: 4562
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22150 / 22134	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT
22240 / 22224	POS IN Lower Oligocene (Rupelian) Discorbis "D"	DEF AT
22268 / 22252	DEF AT local marker planktic foram increase	DEF AT
22269 / 22253	POS AT reworked material	DEF AT
22270 / 22254	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT
22418 / 22402	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 194	Date of Summary: 04-FEB-2002	First Sample Examined: 17520
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 22421
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 22405
API Well Number: 608184002502	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 3 of 4	Sample Range: 17520 - 22418	Water Depth: 4562
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Sawtooth Prospect, company-integrated foram and nanno report, 21820=Globoquadrina altispira coiling change, 22240=Globigerina gortani

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17520 / 17513	DEF AT first sample examined	DEF AT 3
17530 / 17523	DEF AT out-of-place section	POS AT 3
17940 / 17933	DEF AT faunal change (no faunal increase)	DEF IN 3
18280 / 18272	DEF AT reworked material	POS AT 3
18310 / 18302	DEF AT local marker floral increase	POS AT 3
18550 / 18541	DEF AT reworked material	POS AT 3
18551 / 18542	POS AT Upper Miocene (Tortonian) Minylitha convallis	POS AT 3
18760 / 18750	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 3
18761 / 18751	DEF AT local marker floral increase	POS IN 3
19240 / 19228	DEF AT faunal change (no faunal increase)	DEF AT 4
19360 / 19348	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 4
19420 / 19407	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 4
19600 / 19587	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 4
19720 / 19706	DEF AT faunal change (no faunal increase)	DEF AT 4
19810 / 19796	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
19930 / 19916	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
19960 / 19946	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
20470 / 20455	DEF IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
20500 / 20485	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT 4
20590 / 20575	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
20650 / 20635	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
20920 / 20905	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 194	Date of Summary: 04-FEB-2002	First Sample Examined: 17520
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 22421
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 22405
API Well Number: 608184002502	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 3 of 4	Sample Range: 17520 - 22418	Water Depth: 4562
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20980 / 20965	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT 4
21070 / 21055	DEF AT - - - - -	DEF IN 3
21100 / 21085	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 3
21279 / 21264	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 3
21280 / 21265	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 3
21430 / 21415	DEF AT - - - - -	DEF AT 4
21460 / 21445	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
21640 / 21625	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
21670 / 21655	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 4
21700 / 21685	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 4
21810 / 21795	DEF AT - - - - -	DEF IN 3
21820 / 21805	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF IN 3
21850 / 21835	DEF AT - - - - -	DEF IN 4
21940 / 21925	POS IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 4
21941 / 21926	POS IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF IN 4
22000 / 21985	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF IN 4
22090 / 22075	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF IN 4
22120 / 22105	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 4
22150 / 22134	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 4
22240 / 22224	DEF AT local marker planktic foram increase	DEF IN 4
22270 / 22254	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF IN 4
22418 / 22402	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 194	Date of Summary: 04-FEB-2002	First Sample Examined: 17520
Lease Number: G16874	Source of Paleo: OPERATOR	Borehole MD: 22421
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 22405
API Well Number: 608184002502	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 4 of 4	Sample Range: 17520 - 22390	Water Depth: 4562
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Sawtooth Prospect, calcareous nannofossil report, paleo done by Richard Constans, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17520 / 17513	DEF AT first sample examined	DEF AT
18760 / 18750	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19420 / 19407	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19600 / 19587	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19810 / 19796	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19930 / 19916	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20500 / 20485	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
20650 / 20635	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21100 / 21085	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21280 / 21265	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21670 / 21655	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21699 / 21684	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21700 / 21685	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22000 / 21985	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
22120 / 22105	DEF IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
22270 / 22254	DEF IN Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
22389 / 22373	POS AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
22390 / 22374	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 267	Date of Summary: 07-FEB-2005	First Sample Examined: 17870
Lease Number: G18537	Source of Paleo: OPERATOR	Borehole MD: 32627
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 32613
API Well Number: 608184005000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 75
Paleo Report Num: 1 of 3	Sample Range: 17870 - 32627	Water Depth: 3341
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Vrede Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17870 / 17867	DEF AT first sample examined	DEF AT 3
17900 / 17897	DEF AT transported shelf fauna	POS AT 3
18169 / 18166	DEF AT transported shelf fauna	DEF AT 4
18170 / 18167	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
18199 / 18196	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
18200 / 18197	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
18230 / 18227	DEF AT transported outer shelf facies	POS IN 3
18260 / 18257	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
18320 / 18317	DEF AT turbid water facies	DEF IN 3
18350 / 18347	DEF AT local marker planktic foram increase	DEF AT 4
18410 / 18406	DEF AT transported shelf fauna	DEF AT 4
18590 / 18586	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 4
18680 / 18676	DEF AT transported shelf fauna	POS AT 4
18830 / 18826	DEF AT turbid water facies	POS AT 4
18859 / 18855	DEF AT turbid water facies	DEF AT 4
18860 / 18856	POS AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 4
18980 / 18976	DEF AT transported shelf fauna	DEF AT 4
19100 / 19095	DEF AT - - - - -	DEF AT 5
19130 / 19125	DEF AT - - - - -	DEF AT 4
19220 / 19215	DEF AT transported shelf fauna	DEF AT 4
19293 / 19288	DEF AT - - - - -	DEF IN 3
19400 / 19395	DEF AT - - - - -	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 267	Date of Summary: 07-FEB-2005	First Sample Examined: 17870
Lease Number: G18537	Source of Paleo: OPERATOR	Borehole MD: 32627
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 32613
API Well Number: 608184005000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 75
Paleo Report Num: 1 of 3	Sample Range: 17870 - 32627	Water Depth: 3341
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
19460 / 19455	DEF AT - - - - -	DEF IN 3
19490 / 19484	DEF AT - - - - -	DEF AT 4
19550 / 19544	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
20000 / 19994	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
20090 / 20083	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
20150 / 20143	DEF AT - - - - -	DEF AT 4
20270 / 20263	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
20300 / 20293	DEF AT - - - - -	DEF AT 4
20330 / 20323	DEF AT limestone	DEF AT 4
20360 / 20353	DEF AT local marker planktic foram increase	DEF AT 4
20389 / 20382	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
20390 / 20383	DEF AT salt weld	DEF AT 4
20420 / 20413	DEF AT out-of-place section	DEF AT 4
20510 / 20502	DEF AT - - - - -	DEF AT 5
20540 / 20532	DEF AT - - - - -	DEF AT 4
20568 / 20560	DEF AT reworked material	DEF AT 4
20569 / 20561	DEF AT radiolarians	DEF AT 4
20570 / 20562	POS AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF AT 4
20600 / 20592	DEF AT - - - - -	DEF AT 5
20690 / 20682	DEF AT base of salt	POS AT 5
20750 / 20742	DEF AT - - - - -	DEF AT 4
20780 / 20771	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
20960 / 20951	DEF AT local marker planktic foram increase	DEF AT 4
21080 / 21071	DEF AT local marker planktic foram increase	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 267	Date of Summary: 07-FEB-2005	First Sample Examined: 17870
Lease Number: G18537	Source of Paleo: OPERATOR	Borehole MD: 32627
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 32613
API Well Number: 608184005000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 75
Paleo Report Num: 1 of 3	Sample Range: 17870 - 32627	Water Depth: 3341
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21200 / 21190	DEF AT turbid water facies	POS AT 4
21350 / 21340	DEF AT turbid water facies	DEF AT 4
21590 / 21580	DEF AT turbid water facies	POS AT 4
21710 / 21700	DEF AT - - - - -	DEF AT 4
21830 / 21820	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21980 / 21970	DEF AT turbid water facies	POS AT 4
22850 / 22840	DEF AT - - - - -	DEF AT 4
23059 / 23049	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
23060 / 23050	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
23090 / 23080	DEF AT turbid water facies	DEF AT 4
23150 / 23140	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23270 / 23260	DEF AT turbid water facies	POS AT 4
23390 / 23380	DEF AT - - - - -	DEF AT 4
23420 / 23410	DEF AT turbid water facies	DEF AT 4
23720 / 23710	DEF AT turbid water facies	POS AT 4
23780 / 23770	DEF AT turbid water facies	POS AT 4
23870 / 23860	DEF AT Cyclammina cancellata (local marker)	POS AT 4
23930 / 23920	DEF AT local marker benthic foram increase	DEF AT 4
24050 / 24040	DEF AT turbid water facies	POS AT 4
24109 / 24099	DEF AT turbid water facies	POS AT 4
24110 / 24100	DEF AT Cyclammina cancellata (local marker)	POS AT 4
24200 / 24190	DEF AT - - - - -	DEF AT 5
24290 / 24280	DEF AT - - - - -	DEF AT 4
24440 / 24430	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 267	Date of Summary: 07-FEB-2005	First Sample Examined: 17870
Lease Number: G18537	Source of Paleo: OPERATOR	Borehole MD: 32627
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 32613
API Well Number: 608184005000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 75
Paleo Report Num: 1 of 3	Sample Range: 17870 - 32627	Water Depth: 3341
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24650 / 24640	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
24680 / 24670	DEF AT - - - - -	DEF AT 4
25489 / 25479	DEF AT turbid water facies	DEF AT 4
25490 / 25480	DEF AT Bathysiphon fauna	DEF AT 4
25940 / 25930	DEF AT - - - - -	DEF IN 3
26120 / 26110	DEF AT - - - - -	DEF AT 4
26540 / 26530	DEF AT turbid water facies	POS AT 4
26630 / 26620	DEF AT turbid water facies	POS AT 4
26720 / 26710	DEF AT turbid water facies	POS AT 4
26750 / 26740	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 3
26810 / 26800	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
26900 / 26890	DEF AT turbid water facies	POS AT 4
26990 / 26980	DEF AT turbid water facies	POS AT 4
27230 / 27220	DEF AT turbid water facies	POS AT 4
27350 / 27340	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 4
27440 / 27430	DEF AT turbid water facies	POS AT 5
27470 / 27460	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
27500 / 27490	DEF AT - - - - -	DEF AT 4
27680 / 27670	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
27740 / 27730	DEF AT local marker benthic foram increase	DEF AT 4
27890 / 27880	DEF AT - - - - -	DEF AT 5
27920 / 27910	DEF AT - - - - -	DEF AT 4
28040 / 28030	DEF AT local marker planktic foram increase	DEF AT 5
28220 / 28210	DEF AT - - - - -	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 267	Date of Summary: 07-FEB-2005	First Sample Examined: 17870
Lease Number: G18537	Source of Paleo: OPERATOR	Borehole MD: 32627
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 32613
API Well Number: 608184005000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 75
Paleo Report Num: 1 of 3	Sample Range: 17870 - 32627	Water Depth: 3341
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
28340 / 28329	DEF AT - - - - -	DEF AT 4
28460 / 28449	DEF AT turbid water facies	POS AT 4
28490 / 28479	DEF AT - - - - -	DEF AT 4
28610 / 28599	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
28760 / 28749	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
28790 / 28779	DEF AT faunal change (no faunal increase)	DEF AT 4
28940 / 28929	DEF AT local marker planktic foram increase	DEF AT 4
29630 / 29619	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
29750 / 29739	POS AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
29780 / 29769	DEF AT - - - - -	DEF AT 4
30230 / 30219	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
30319 / 30308	DEF AT turbid water facies	POS AT 4
30320 / 30309	DEF AT Arenaceous fauna (local marker)	POS AT 4
30410 / 30399	DEF AT - - - - -	DEF AT 4
30500 / 30489	DEF AT turbid water facies	POS AT 4
30560 / 30549	DEF AT - - - - -	DEF AT 4
30680 / 30669	DEF AT local marker planktic foram increase	DEF AT 4
30950 / 30938	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 5
31070 / 31058	DEF AT - - - - -	DEF AT 4
31220 / 31207	DEF AT turbid water facies	POS AT 4
31250 / 31237	DEF AT - - - - -	DEF AT 4
31400 / 31387	DEF AT transported shelf fauna	DEF AT 4
31880 / 31867	DEF AT local marker planktic foram increase	DEF AT 4
32030 / 32017	DEF AT transported shelf fauna	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 267	Date of Summary: 07-FEB-2005	First Sample Examined: 17870
Lease Number: G18537	Source of Paleo: OPERATOR	Borehole MD: 32627
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 32613
API Well Number: 608184005000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 75
Paleo Report Num: 1 of 3	Sample Range: 17870 - 32627	Water Depth: 3341
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
32300 / 32286	DEF AT transported shelf fauna	POS AT 4
32330 / 32316	DEF AT local marker planktic foram increase	DEF AT 4
32480 / 32466	DEF AT transported outer shelf facies	POS AT 4
32570 / 32556	POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 4
32627 / 32613	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 267	Date of Summary: 02-JUL-2005	First Sample Examined: 17840
Lease Number: G18537	Source of Paleo: OPERATOR	Borehole MD: 32627
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 32613
API Well Number: 608184005000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 75
Paleo Report Num: 2 of 3	Sample Range: 17840 - 32627	Water Depth: 3341
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Vrede Prospect, calcareous nannofossil report, paleo done by Theresa M Dunn

MD / TVD	Paleo Top Description	Ecozone
17870 / 17867	DEF AT first sample examined	DEF AT
17871 / 17868	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18140 / 18137	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19070 / 19065	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
19310 / 19305	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
20003 / 19997	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
20210 / 20203	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20360 / 20353	DEF AT reworked material	DEF AT
20480 / 20472	DEF AT out-of-place section	DEF AT
20960 / 20951	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
24110 / 24100	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
24530 / 24520	DEF AT out-of-place section	DEF AT
25460 / 25450	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
27200 / 27190	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
27380 / 27370	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
27500 / 27490	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
29570 / 29559	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
29750 / 29739	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
30200 / 30189	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
31880 / 31867	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
32120 / 32106	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
32627 / 32613	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 267	Date of Summary: 07-JUL-2005	First Sample Examined: 30376
Lease Number: G18537	Source of Paleo: OPERATOR	Borehole MD: 32627
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 32613
API Well Number: 608184005000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 75
Paleo Report Num: 3 of 3	Sample Range: 30376 - 32288	Water Depth: 3341
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 003

Remark: Vrede Prospect, calcareous nannofossil report based on sidewall cores, paleo done by Theresa M Dunn

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
30376 / 30365	DEF AT first sample examined	DEF AT
32152 / 32138	DEF AT local marker floral decrease	DEF AT
32191 / 32177	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
32245 / 32231	DEF AT local marker floral decrease	DEF AT
32288 / 32274	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 272	Date of Summary: 16-FEB-2006	First Sample Examined: 6840
Lease Number: G16894	Source of Paleo: OPERATOR	Borehole MD: 22530
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21993
API Well Number: 608184005800	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 6840 - 22530	Water Depth: 4291
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Everest Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6840 / 6839	DEF AT first sample examined	DEF AT
6990 / 6989	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
7200 / 7199	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
7350 / 7349	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa omega	DEF AT
7530 / 7529	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8040 / 8039	POS AT local marker floral increase	DEF AT
8100 / 8099	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
8250 / 8249	DEF AT local marker planktic foram increase	DEF AT 6
8280 / 8279	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT 6
8299 / 8298	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 6
8300 / 8299	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
8496 / 8495	DEF AT - - - - -	DEF IN 5
8639 / 8638	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
8640 / 8639	POS AT local marker planktic foram increase	DEF IN 5
8669 / 8668	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 6
8670 / 8669	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
8760 / 8759	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 6
8790 / 8789	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 6
8819 / 8818	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 6
8820 / 8819	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
8847 / 8846	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 272	Date of Summary: 16-FEB-2006	First Sample Examined: 6840
Lease Number: G16894	Source of Paleo: OPERATOR	Borehole MD: 22530
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21993
API Well Number: 608184005800	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 6840 - 22530	Water Depth: 4291
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8848 / 8847	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 6
8849 / 8848	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
8850 / 8849	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
8875 / 8874	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 6
8876 / 8875	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 6
8877 / 8876	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 6
8878 / 8877	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
8879 / 8878	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
8880 / 8879	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
8970 / 8969	DEF AT - - - - -	DEF IN 5
9000 / 8999	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 5
9029 / 9028	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5
9030 / 9029	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
9150 / 9149	DEF AT local marker planktic foram increase	DEF AT 6
9180 / 9179	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
9269 / 9268	DEF AT Lower Pliocene (Zanclian) Discoaster quintatus	DEF AT 6
9270 / 9269	DEF AT local marker foram increase	DEF AT 6
9328 / 9327	DEF AT Upper Miocene (Messinian) Triquetrorhabdulus rugosus	DEF AT 6
9329 / 9328	DEF AT Upper Miocene (Messinian) Discoaster quinquereamus	DEF AT 6
9330 / 9329	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
9389 / 9388	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
9390 / 9389	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
9420 / 9419	DEF AT - - - - -	DEF IN 5
9449 / 9448	DEF AT Upper Miocene (Messinian) Discoaster quinquereamus (increase)	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 272	Date of Summary: 16-FEB-2006	First Sample Examined: 6840
Lease Number: G16894	Source of Paleo: OPERATOR	Borehole MD: 22530
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21993
API Well Number: 608184005800	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 6840 - 22530	Water Depth: 4291
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9450 / 9449	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 5
9479 / 9478	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
9480 / 9479	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 5
9645 / 9644	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 5
9870 / 9869	DEF AT out-of-place section	POS IN 5
9880 / 9879	DEF AT salt	POS IN 5
16229 / 16148	DEF AT base of salt	DEF IN 5
16230 / 16149	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
16560 / 16453	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF IN 5
16620 / 16508	POS AT Upper Miocene (Tortonian) Cibicides inflata	DEF IN 5
16650 / 16536	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5
16680 / 16564	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF IN 5
16920 / 16785	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5
17070 / 16924	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
17100 / 16952	POS AT local marker foram increase	DEF IN 5
17490 / 17312	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 5
17579 / 17394	DEF AT local marker floral increase	DEF IN 5
17580 / 17395	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF IN 5
18090 / 17866	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 5
18120 / 17894	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
18148 / 17920	DEF AT floral flood	DEF IN 5
18149 / 17921	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
18150 / 17922	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
18180 / 17949	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 272	Date of Summary: 16-FEB-2006	First Sample Examined: 6840
Lease Number: G16894	Source of Paleo: OPERATOR	Borehole MD: 22530
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21993
API Well Number: 608184005800	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 6840 - 22530	Water Depth: 4291
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18240 / 18005	DEF AT Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i>	DEF IN 5
18510 / 18254	POS AT local marker foram increase	DEF IN 5
18690 / 18421	DEF AT Bathysiphon fauna	DEF IN 5
18900 / 18614	DEF AT Arenaceous fauna (local marker)	DEF IN 5
19020 / 18725	DEF AT Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i> (increase)	DEF IN 5
19049 / 18752	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i>	DEF IN 5
19050 / 18753	DEF AT Middle Miocene (Serravallian) <i>Globorotalia peripheroronda</i>	DEF IN 5
19080 / 18781	DEF AT Middle Miocene (Serravallian) <i>Discoaster petaliformis</i>	DEF IN 5
19170 / 18864	DEF AT local marker floral increase	DEF IN 5
19290 / 18976	DEF AT Arenaceous fauna (local marker)	DEF IN 5
19350 / 19031	DEF AT local marker floral increase	DEF IN 5
19559 / 19225	DEF AT Middle Miocene (Langhian) <i>Discoaster deflandrei</i> (increase)	DEF IN 5
19560 / 19226	DEF AT local marker planktic foram increase	DEF IN 5
19650 / 19310	DEF AT Middle Miocene (Serravallian) <i>Cibicides barnetti</i>	DEF IN 5
19830 / 19478	DEF AT Arenaceous fauna (local marker)	DEF IN 5
19890 / 19533	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i> (acme)	DEF IN 5
20040 / 19673	DEF AT Middle Miocene (Langhian) <i>Helicosphaera ampliapertura</i>	DEF IN 5
20160 / 19785	DEF AT local marker floral increase	DEF IN 5
20400 / 20008	DEF AT Arenaceous fauna (local marker)	DEF IN 5
20550 / 20147	DEF AT Middle Miocene (Langhian) <i>Globigerinoides sicanus</i>	DEF IN 5
20610 / 20202	DEF AT reworked material	DEF IN 5
20700 / 20285	DEF AT Middle Miocene (Langhian) <i>Globigerinatella insueta</i>	DEF IN 5
21240 / 20787	POS AT local marker planktic foram increase	DEF IN 5
21450 / 20983	DEF AT reworked material	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 272	Date of Summary: 16-FEB-2006	First Sample Examined: 6840
Lease Number: G16894	Source of Paleo: OPERATOR	Borehole MD: 22530
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21993
API Well Number: 608184005800	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 6840 - 22530	Water Depth: 4291
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
21630 / 21151	DEF AT local marker floral increase	DEF IN 5
21780 / 21291	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
21809 / 21318	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF IN 5
21810 / 21319	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF IN 5
21840 / 21347	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF IN 5
21930 / 21431	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF IN 5
22020 / 21516	POS AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF IN 5
22050 / 21544	DEF AT local marker planktic foram increase	DEF IN 5
22080 / 21572	POS AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF IN 5
22229 / 21711	DEF AT reworked material	DEF IN 5
22230 / 21712	DEF AT local marker foram increase	DEF IN 5
22290 / 21768	DEF AT local marker foram increase	DEF IN 5
22320 / 21797	DEF AT local marker floral increase	DEF IN 5
22499 / 21964	POS AT Lower Miocene (Aquitanian) Cyclocargolithus abisectus	DEF IN 5
22500 / 21965	POS AT Bathysiphon fauna	DEF IN 5
22530 / 21993	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 336	Date of Summary: 07-JUN-2000	First Sample Examined: 8730
Lease Number: G18569	Source of Paleo: OPERATOR	Borehole MD: 20154
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19500
API Well Number: 608184001200	Drilling Operator: BURLINGTON RESOURCES INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 8730 - 20154	Water Depth: 6221
Public Info Code: Y 23-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 19260=very rare Globorotalia aequa, 19380=Globorotalites conicus, 19890=Catapsydrax dissimilis with a reoccurrence at 19950, probably displaced or caved fauna, with lithology not characteristic of Early Miocene, an examination of the faunal abundance curve over the interval 18870 to 20154 is very atypical for the downdip mid-Eocene to Upper Cretaceous age section, see report for further comments, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8730 / 8730	DEF AT first sample examined	DEF AT 4
8940 / 8940	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
11550 / 11550	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
13080 / 13080	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
13110 / 13110	DEF AT - - - - -	DEF IN 5
13380 / 13380	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
13650 / 13650	DEF AT - - - - -	DEF AT 5
13890 / 13890	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
14340 / 14339	DEF AT sample gap top	POS AT 5
14520 / 14519	DEF AT sample gap bottom	DEF AT 5
14610 / 14609	POS IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
16770 / 16699	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
17310 / 17153	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 6
18030 / 17750	POS AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 6
18060 / 17775	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
18270 / 17947	DEF AT - - - - -	DEF AT 5
18450 / 18096	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
18630 / 18248	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
18660 / 18273	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 336	Date of Summary: 07-JUN-2000	First Sample Examined: 8730
Lease Number: G18569	Source of Paleo: OPERATOR	Borehole MD: 20154
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19500
API Well Number: 608184001200	Drilling Operator: BURLINGTON RESOURCES INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 8730 - 20154	Water Depth: 6221
Public Info Code: Y 23-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18720 / 18324	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5
18870 / 18453	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
18900 / 18479	DEF AT - - - - -	DEF AT 4
19080 / 18635	POS AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 4
19170 / 18713	DEF AT Lower Eocene-Upper Paleocene Wilcox Group/Provincial Stage	DEF AT 4
19260 / 18792	POS IN Lower (Early) Eocene	DEF AT 4
19379 / 18897	POS AT out-of-place section	DEF AT 3
19380 / 18898	POS AT Upper Cretaceous (Campanian) Globorotalites micheliniana	DEF AT 3
19889 / 19318	POS AT reworked material	DEF AT 3
19890 / 19319	POS AT out-of-place section	DEF AT 3
19891 / 19319	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 3
20154 / 19500	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 336	Date of Summary: 08-JUN-2000	First Sample Examined: 8730
Lease Number: G18569	Source of Paleo: OPERATOR	Borehole MD: 20154
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19500
API Well Number: 608184001200	Drilling Operator: BURLINGTON RESOURCES INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 8730 - 20154	Water Depth: 6221
Public Info Code: Y 23-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, see report for further comments, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8730 / 8730	DEF AT first sample examined	DEF AT
11550 / 11550	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
11580 / 11580	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
13080 / 13080	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13110 / 13110	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13290 / 13290	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13319 / 13319	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13320 / 13320	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13380 / 13380	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13410 / 13410	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
13649 / 13649	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13650 / 13650	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13830 / 13830	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14220 / 14219	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14790 / 14789	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
14850 / 14849	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16050 / 16035	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16200 / 16179	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
16290 / 16264	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16710 / 16646	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
17340 / 17178	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperata	DEF AT
18029 / 17750	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus (increase)	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 336	Date of Summary: 08-JUN-2000	First Sample Examined: 8730
Lease Number: G18569	Source of Paleo: OPERATOR	Borehole MD: 20154
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19500
API Well Number: 608184001200	Drilling Operator: BURLINGTON RESOURCES INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 8730 - 20154	Water Depth: 6221
Public Info Code: Y 23-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
18030 / 17750	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
18060 / 17775	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
18089 / 17799	POS AT out-of-place section	DEF AT
18090 / 17800	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
18569 / 18196	POS AT out-of-place section	DEF AT
18570 / 18197	POS IN Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
18690 / 18299	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
18740 / 18341	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
18840 / 18427	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
18900 / 18479	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
18960 / 18531	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT
19200 / 18739	DEF AT Upper Cretaceous (Maastrichtian) Micula murus (FAD)	DEF AT
19230 / 18766	DEF AT Upper Cretaceous (Maastrichtian) Aspidolithus parvus constrictus	DEF AT
19530 / 19029	POS AT local marker floral decrease	DEF AT
20109 / 19472	POS AT reworked material	DEF AT
20110 / 19472	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
20154 / 19500	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 353	Date of Summary: 02-OCT-2001	First Sample Examined: 5375
Lease Number: G18578	Source of Paleo: OPERATOR	Borehole MD: 9188
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9076
API Well Number: 608184002200	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 5375 - 9188	Water Depth: 3790
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5375 / 5375	DEF AT first sample examined	DEF AT
5980 / 5976	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6210 / 6199	DEF AT sample gap top	DEF AT
6310 / 6294	DEF AT sample gap bottom	DEF AT
6610 / 6579	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8260 / 8152	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8560 / 8449	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8860 / 8748	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8890 / 8778	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8920 / 8808	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8950 / 8838	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8980 / 8868	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
9188 / 9076	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 353	Date of Summary: 02-OCT-2001	First Sample Examined: 5375
Lease Number: G18578	Source of Paleo: OPERATOR	Borehole MD: 9188
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9076
API Well Number: 608184002200	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 5375 - 9188	Water Depth: 3790
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5375 / 5375	DEF AT first sample examined	DEF AT 4
5980 / 5976	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 4
6210 / 6199	DEF AT sample gap top	POS IN 4
6310 / 6294	DEF AT sample gap bottom	DEF IN 4
8260 / 8152	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 4
8800 / 8688	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
8890 / 8778	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 4
8950 / 8838	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
9188 / 9076	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 398	Date of Summary: 30-NOV-2005	First Sample Examined: 21350
Lease Number: G16910	Source of Paleo: OPERATOR	Borehole MD: 28270
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 28267
API Well Number: 608184005700	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 21350 - 28280	Water Depth: 3619
Public Info Code: Y 09-FEB-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Bonsai Prospect, interim company-integrated foram and nanno report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21350 / 21348	DEF AT first sample examined	DEF AT
21351 / 21349	DEF AT base of salt	DEF AT
21352 / 21350	POS IN Lower Pliocene (Zanclian) Discoaster quintatus	DEF AT
21353 / 21351	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
21799 / 21797	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
21800 / 21798	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT
21950 / 21948	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT
22010 / 22008	DEF AT local marker floral increase	DEF AT
22040 / 22038	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
22640 / 22637	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
23240 / 23237	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
23480 / 23477	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
23600 / 23597	DEF AT local marker floral increase	DEF AT
23730 / 23727	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
23780 / 23777	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
26480 / 26477	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
26960 / 26957	POS IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
27559 / 27556	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
27560 / 27557	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
27770 / 27767	DEF AT local marker floral increase	DEF AT
27980 / 27977	DEF AT reworked material	DEF AT
28280 /	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 398	Date of Summary: 10-JAN-2006	First Sample Examined: 27420
Lease Number: G16910	Source of Paleo: OPERATOR	Borehole MD: 30125
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29955
API Well Number: 608184005701	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 27420 - 30126	Water Depth: 3619
Public Info Code: Y 09-FEB-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Bonsai Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
27420 / 27332	DEF AT first sample examined	DEF AT
27750 / 27654	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
28520 / 28402	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
28610 / 28489	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
28628 / 28506	DEF AT Upper Oligocene (Chattian) Zyghrablithus bijugatus	DEF AT
28629 / 28507	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperensis	DEF AT
28670 / 28547	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT
28728 / 28603	DEF AT unconformity	DEF AT
28729 / 28604	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
28730 / 28605	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
28789 / 28662	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
28790 / 28663	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT
28820 / 28692	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
28848 / 28719	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
28849 / 28720	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
28850 / 28721	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
28880 / 28750	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT
28909 / 28778	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT
28910 / 28779	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT
29058 / 28922	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
29059 / 28923	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrookii	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 398	Date of Summary: 10-JAN-2006	First Sample Examined: 27420
Lease Number: G16910	Source of Paleo: OPERATOR	Borehole MD: 30125
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29955
API Well Number: 608184005701	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 27420 - 30126	Water Depth: 3619
Public Info Code: Y 09-FEB-2007	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29060 / 28924	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT
29089 / 28952	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
29090 / 28953	DEF AT Middle Eocene (Bartonian) Subbotina frontosa	DEF AT
29150 / 29011	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT
29270 / 29126	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
29330 / 29184	DEF AT Lower Eocene (Ypresian) Tribrahiatus contortus	DEF AT
29390 / 29242	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
29480 / 29329	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
29927 / 29762	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT
29928 / 29763	DEF AT Upper Paleocene (Thanetian) Morozovella uncinata	DEF AT
29929 / 29764	DEF AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF AT
29930 / 29765	DEF AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF AT
30049 / 29881	DEF IN Lower Paleocene Danian Stage	DEF AT
30050 / 29882	DEF AT out-of-place section	DEF AT
30069 / 29900	DEF AT Upper Cretaceous (Coniacian) Quadrum gartneri	DEF AT
30070 / 29901	DEF AT Upper Cretaceous (Maastrichtian) Globotruncana ventricosa	DEF AT
30080 / 29911	DEF IN Upper Cretaceous (Maastrichtian) Rosita fornicata	DEF AT
30126 /	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 398	Date of Summary: 15-AUG-2006	First Sample Examined: 22750
Lease Number: G16910	Source of Paleo: OPERATOR	Borehole MD: 24153
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21794
API Well Number: 608184005702	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 22750 - 24153	Water Depth: 3619
Public Info Code: Y 09-FEB-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Bonsai Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

MD / TVD	Paleo Top Description	Ecozone
22765 / 20679	DEF AT first sample examined	DEF AT
22766 / 20679	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
22825 / 20727	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT
23079 / 20930	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
23080 / 20931	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
23454 / 21234	DEF AT condensed section	DEF AT
23455 / 21235	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
23507 / 21277	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
23740 / 21465	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus (increase)	DEF AT
23755 / 21477	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
24153 / 21794	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 430	Date of Summary: 15-MAY-2001	First Sample Examined: 10360
Lease Number: G18604	Source of Paleo: OPERATOR	Borehole MD: 18293
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17008
API Well Number: 608184002000	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 2	Sample Range: 10360 - 18230	Water Depth: 7526
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10360 / 10359	DEF AT first sample examined	DEF AT
11920 / 11918	POS IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12639 / 12637	POS AT out-of-place section	DEF AT
12640 / 12638	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12970 / 12966	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12971 / 12967	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
13330 / 13313	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
13450 / 13422	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
13600 / 13553	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14200 / 14004	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15370 / 14831	DEF AT out-of-place section	DEF AT
15490 / 14917	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15880 / 15191	DEF AT out-of-place section	DEF AT
16930 / 15940	DEF AT out-of-place section	DEF AT
16990 / 15984	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
18130 / 16881	DEF AT out-of-place section	DEF AT
18230 / 16960	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 430	Date of Summary: 16-MAY-2001	First Sample Examined: 10360
Lease Number: G18604	Source of Paleo: OPERATOR	Borehole MD: 18293
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17008
API Well Number: 608184002000	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 94
Paleo Report Num: 2 of 2	Sample Range: 10360 - 18230	Water Depth: 7526
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10360 / 10359	DEF AT first sample examined	DEF IN 4
12970 / 12966	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 4
13210 / 13200	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
13330 / 13313	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
14140 / 13961	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
14590 / 14283	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
15490 / 14917	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
15850 / 15170	DEF AT reworked material	DEF IN 4
16989 / 15983	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
16990 / 15984	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 4
18130 / 16881	DEF AT out-of-place section	DEF IN 4
18230 / 16960	DEF AT last sample examined	DEF IN 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 488	Date of Summary: 19-JUL-2004	First Sample Examined: 8300
Lease Number: G18617	Source of Paleo: OPERATOR	Borehole MD: 16765
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16764
API Well Number: 608184004900	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 82
Paleo Report Num: 1 of 4	Sample Range: 8300 - 16765	Water Depth: 4725
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8300 / 8300	DEF AT first sample examined	DEF AT 5
9710 / 9710	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9800 / 9800	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
9979 / 9979	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
9980 / 9980	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
10009 / 10009	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
10010 / 10010	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
10040 / 10040	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
10100 / 10100	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
10220 / 10220	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
10280 / 10280	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
10400 / 10400	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
10520 / 10520	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
10700 / 10700	DEF AT faunal change (no faunal increase)	DEF AT 5
10879 / 10879	DEF AT anhydrite	POS AT 5
10880 / 10880	DEF AT salt	POS AT 5
13040 / 13040	DEF AT base of salt	DEF AT 5
13070 / 13070	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13130 / 13130	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13490 / 13490	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
13610 / 13610	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
13820 / 13820	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 488	Date of Summary: 19-JUL-2004	First Sample Examined: 8300
Lease Number: G18617	Source of Paleo: OPERATOR	Borehole MD: 16765
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16764
API Well Number: 608184004900	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 82
Paleo Report Num: 1 of 4	Sample Range: 8300 - 16765	Water Depth: 4725
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
14180 / 14180	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
14390 / 14390	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
15680 / 15679	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
16250 / 16249	POS AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT 5
16670 / 16669	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
16765 / 16764	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 488	Date of Summary: 19-JUL-2004	First Sample Examined: 8300
Lease Number: G18617	Source of Paleo: OPERATOR	Borehole MD: 16765
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16764
API Well Number: 608184004900	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 82
Paleo Report Num: 2 of 4	Sample Range: 8300 - 16765	Water Depth: 4725
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 13460=may represent a sheared horizon below salt, 13040 to 13490 yielded sporadic very rare occurrences of ϵ late/middle Miocene, Oligocene, late Eocene flora associated with salt and not considered age-diagnostic, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8300 / 8300	DEF AT first sample examined	DEF AT
9710 / 9710	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9800 / 9800	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9830 / 9830	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9980 / 9980	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10010 / 10010	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10069 / 10069	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10070 / 10070	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
10100 / 10100	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10280 / 10280	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10310 / 10310	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10370 / 10370	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
10430 / 10430	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10640 / 10640	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10760 / 10760	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10790 / 10790	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
10880 / 10880	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
10910 / 10910	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10940 / 10940	DEF AT salt	DEF AT
11000 / 11000	DEF AT sample gap top	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 488	Date of Summary: 19-JUL-2004	First Sample Examined: 8300
Lease Number: G18617	Source of Paleo: OPERATOR	Borehole MD: 16765
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16764
API Well Number: 608184004900	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 82
Paleo Report Num: 2 of 4	Sample Range: 8300 - 16765	Water Depth: 4725
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
13010 / 13010	DEF AT sample gap bottom	DEF AT
13039 / 13039	DEF AT base of salt	DEF AT
13040 / 13040	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13100 / 13100	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13130 / 13130	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13430 / 13430	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13460 / 13460	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14120 / 14120	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14360 / 14360	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14660 / 14660	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
14840 / 14840	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14900 / 14900	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
15590 / 15589	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
15949 / 15948	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
15950 / 15949	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF AT
16100 / 16099	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
16219 / 16218	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT
16220 / 16219	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
16520 / 16519	DEF AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT
16670 / 16669	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
16698 / 16697	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
16699 / 16698	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
16700 / 16699	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
16765 / 16764	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 488	Date of Summary: 20-JUL-2004	First Sample Examined: 8300
Lease Number: G18617	Source of Paleo: OPERATOR	Borehole MD: 16765
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16764
API Well Number: 608184004900	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 82
Paleo Report Num: 3 of 4	Sample Range: 8300 - 16765	Water Depth: 4725
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS:	Paleo ID: 004

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8300 / 8300	DEF AT first sample examined	DEF AT
8540 / 8540	DEF AT reworked material	DEF AT
8960 / 8960	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
9320 / 9320	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9350 / 9350	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
9650 / 9650	DEF AT local marker floral increase	DEF AT
9680 / 9680	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
9769 / 9769	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
9770 / 9770	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9800 / 9800	DEF AT reworked material	DEF AT
9979 / 9979	DEF AT condensed section	DEF AT
9980 / 9980	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
10010 / 10010	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10040 / 10040	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10100 / 10100	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
10130 / 10130	DEF AT local marker floral increase	DEF AT
10220 / 10220	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
10250 / 10250	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10310 / 10310	DEF AT local marker floral increase	DEF AT
10370 / 10370	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10400 / 10400	DEF AT local marker floral increase	DEF AT
10430 / 10430	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 488	Date of Summary: 20-JUL-2004	First Sample Examined: 8300
Lease Number: G18617	Source of Paleo: OPERATOR	Borehole MD: 16765
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16764
API Well Number: 608184004900	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 82
Paleo Report Num: 3 of 4	Sample Range: 8300 - 16765	Water Depth: 4725
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS:	Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10460 / 10460	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
10729 / 10729	DEF IN Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
10730 / 10730	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
10760 / 10760	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
10790 / 10790	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10850 / 10850	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10940 / 10940	DEF AT Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local)	DEF AT
10970 / 10970	DEF AT salt	DEF AT
12640 / 12640	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
13039 / 13039	DEF AT base of salt	DEF AT
13040 / 13040	DEF AT out-of-place section	DEF AT
13070 / 13070	POS IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13190 / 13190	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13250 / 13250	POS IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13310 / 13310	DEF AT reworked material	DEF AT
13430 / 13430	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13520 / 13520	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
13550 / 13550	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13580 / 13580	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13790 / 13790	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14238 / 14238	DEF AT unconformity	DEF AT
14239 / 14239	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14240 / 14240	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14330 / 14330	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 488	Date of Summary: 20-JUL-2004	First Sample Examined: 8300
Lease Number: G18617	Source of Paleo: OPERATOR	Borehole MD: 16765
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16764
API Well Number: 608184004900	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 82
Paleo Report Num: 3 of 4	Sample Range: 8300 - 16765	Water Depth: 4725
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS:	Paleo ID: 004

MD / TVD	Paleo Top Description	Ecozone
14360 / 14360	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14390 / 14390	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
14690 / 14690	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
14870 / 14870	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
15290 / 15290	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
15410 / 15410	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
15440 / 15440	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
15560 / 15560	DEF AT reworked material	DEF AT
15650 / 15649	POS AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF AT
15710 / 15709	DEF AT local marker floral increase	DEF AT
15799 / 15798	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
15800 / 15799	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus (very rare)	DEF AT
15980 / 15979	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
16040 / 16039	DEF AT local marker floral increase	DEF AT
16100 / 16099	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
16220 / 16219	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT
16250 / 16249	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
16519 / 16518	POS AT transported inner shelf facies	DEF AT
16520 / 16519	DEF IN Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
16580 / 16579	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
16670 / 16669	DEF IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
16700 / 16699	DEF AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF AT
16730 / 16729	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 488	Date of Summary: 23-JUL-2004	First Sample Examined: 8300
Lease Number: G18617	Source of Paleo: OPERATOR	Borehole MD: 16765
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16764
API Well Number: 608184004900	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 82
Paleo Report Num: 4 of 4	Sample Range: 8300 - 16765	Water Depth: 4725
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: The occurrence of the Hackberry Facies at 16520 to 16550 is the most downdip occurrence of the classic Hackberry Facies in the Gulf of Mexico Basin, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8300 / 8300	DEF AT first sample examined	DEF AT
8360 / 8360	DEF IN Holocene Globorotalia inflata	DEF AT
8810 / 8810	DEF AT reworked material	DEF AT
8900 / 8900	DEF AT faunal change (no faunal increase)	POS AT 4
9320 / 9320	POS AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
9500 / 9500	DEF AT faunal change (no faunal increase)	DEF AT 4
9650 / 9650	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
9770 / 9770	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
9800 / 9800	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
9920 / 9920	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 6
9977 / 9977	DEF AT condensed section	DEF IN 6
9978 / 9978	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 6
9979 / 9979	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 6
9980 / 9980	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 6
10009 / 10009	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
10010 / 10010	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
10100 / 10100	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
10219 / 10219	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
10220 / 10220	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
10280 / 10280	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10520 / 10520	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 488	Date of Summary: 23-JUL-2004	First Sample Examined: 8300
Lease Number: G18617	Source of Paleo: OPERATOR	Borehole MD: 16765
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16764
API Well Number: 608184004900	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 82
Paleo Report Num: 4 of 4	Sample Range: 8300 - 16765	Water Depth: 4725
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10580 / 10580	DEF AT local marker foram increase	DEF IN 5
10640 / 10640	DEF AT local marker planktic foram increase	DEF IN 5
10820 / 10820	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 6
10879 / 10879	DEF AT limestone	DEF AT 5
10880 / 10880	DEF AT local marker foram decrease	DEF AT 5
10970 / 10970	DEF AT salt	POS AT 5
13039 / 13039	DEF AT base of salt	DEF IN 4
13040 / 13040	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 4
13130 / 13130	DEF AT limestone	DEF IN 4
13220 / 13220	DEF AT faunal change (no faunal increase)	DEF AT 4
13460 / 13460	DEF AT local marker foram decrease	POS AT 5
13580 / 13580	DEF AT faunal change (no faunal increase)	DEF AT 4
13820 / 13820	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
13940 / 13940	DEF AT faunal change (no faunal increase)	POS AT 4
14180 / 14180	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
14270 / 14270	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
14360 / 14360	DEF AT faunal change (no faunal increase)	DEF AT 5
14419 / 14419	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 5
14420 / 14420	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14540 / 14540	DEF AT local marker planktic foram increase	DEF AT 5
14600 / 14600	DEF AT faunal change (no faunal increase)	DEF AT 4
15020 / 15020	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
15200 / 15200	DEF AT cement	POS AT 4
15260 / 15260	DEF AT faunal change (no faunal increase)	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 488	Date of Summary: 23-JUL-2004	First Sample Examined: 8300
Lease Number: G18617	Source of Paleo: OPERATOR	Borehole MD: 16765
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16764
API Well Number: 608184004900	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 82
Paleo Report Num: 4 of 4	Sample Range: 8300 - 16765	Water Depth: 4725
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
15500 / 15500	POS AT Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 4
15680 / 15679	DEF AT Middle Miocene (Serravallian) Anomalina adelensis	DEF AT 4
15740 / 15739	DEF AT Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 4
15860 / 15859	DEF AT Arenaceous fauna (local marker)	DEF AT 4
16010 / 16009	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 4
16249 / 16248	DEF AT condensed section	DEF IN 5
16250 / 16249	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
16280 / 16279	DEF AT Lower Miocene (Aquitanian) Siphonina davisi	DEF IN 5
16309 / 16308	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF IN 5
16310 / 16309	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 5
16430 / 16429	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF IN 5
16489 / 16488	DEF AT Upper Oligocene (Chattian) Cibicides hazzardi	DEF IN 5
16490 / 16489	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
16520 / 16519	DEF AT Upper Oligocene (Chattian) Bolivina mexicana	DEF AT 6
16730 / 16729	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF AT 6
16765 / 16764	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 489	Date of Summary: 04-DEC-2002	First Sample Examined: 8136
Lease Number: G15632	Source of Paleo: OPERATOR	Borehole MD: 12243
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12200
API Well Number: 608184003300	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8136 - 12240	Water Depth: 4578
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8136 / 8135	DEF AT first sample examined	DEF AT 5
9420 / 9419	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9570 / 9569	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9630 / 9629	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
9660 / 9659	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9690 / 9689	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9719 / 9718	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9720 / 9719	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
9750 / 9749	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9810 / 9809	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9900 / 9899	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
9930 / 9929	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
10050 / 10049	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
10110 / 10109	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
10230 / 10228	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
10320 / 10318	DEF IN salt	DEF AT 5
11700 / 11668	DEF AT base of salt	DEF AT 5
11701 / 11669	DEF AT out-of-place section	DEF AT 5
12240 / 12198	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 489	Date of Summary: 04-DEC-2002	First Sample Examined: 8136
Lease Number: G15632	Source of Paleo: OPERATOR	Borehole MD: 12243
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12200
API Well Number: 608184003300	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8136 - 12240	Water Depth: 4578
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: N	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8136 / 8135	DEF AT first sample examined	DEF AT
9210 / 9209	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9450 / 9449	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9480 / 9479	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9570 / 9569	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9630 / 9629	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9660 / 9659	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9690 / 9689	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9780 / 9779	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9810 / 9809	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9900 / 9899	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9930 / 9929	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
10050 / 10049	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10110 / 10109	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10140 / 10139	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10230 / 10228	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
10290 / 10288	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10350 / 10348	DEF IN salt	DEF AT
11700 / 11668	DEF AT base of salt	DEF AT
11701 / 11669	DEF AT out-of-place section	DEF AT
11800 / 11765	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12240 / 12198	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 489	Date of Summary: 04-DEC-2002	First Sample Examined: 11400
Lease Number: G15632	Source of Paleo: OPERATOR	Borehole MD: 18170
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18082
API Well Number: 608184003301	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 11400 - 18170	Water Depth: 4578
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 / 11380	DEF AT first sample examined	DEF AT
11401 / 11381	DEF IN salt	DEF AT
12120 / 12091	DEF AT base of salt	DEF IN 4
12121 / 12092	POS IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 4
12150 / 12121	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 4
12300 / 12271	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
12330 / 12301	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
12840 / 12811	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 4
13020 / 12991	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
13080 / 13051	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
13174 / 13145	DEF AT salt	DEF IN 4
18170 / 18082	DEF AT last sample examined	DEF IN 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 489	Date of Summary: 04-DEC-2002	First Sample Examined: 11400
Lease Number: G15632	Source of Paleo: OPERATOR	Borehole MD: 18170
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18082
API Well Number: 608184003301	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 11400 - 18170	Water Depth: 4578
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
11400 / 11380	DEF AT first sample examined	DEF AT
11401 / 11381	DEF IN salt	DEF AT
12120 / 12091	DEF AT base of salt	DEF AT
12121 / 12092	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12180 / 12151	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12270 / 12241	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12300 / 12271	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12360 / 12331	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12420 / 12391	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12480 / 12451	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12510 / 12481	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12660 / 12631	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12750 / 12721	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
12990 / 12961	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
13020 / 12991	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
13080 / 13051	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
13174 / 13145	DEF IN salt	DEF AT
18170 / 18082	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 575	Date of Summary: 29-SEP-1995	First Sample Examined: 8110
Lease Number: G08036	Source of Paleo: OPERATOR	Borehole MD: 19012
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19009
API Well Number: 608184000500	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 46
Paleo Report Num: 1 of 2	Sample Range: 8110 - 19000	Water Depth: 6220
Public Info Code: Y 26-OCT-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 16690=Helicosphaera euphratis

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8110 / 8109	DEF AT first sample examined	DEF AT
8520 / 8519	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
14040 / 14038	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
14640 / 14638	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14850 / 14848	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14890 / 14888	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14900 / 14898	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15290 / 15288	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15540 / 15538	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
15570 / 15568	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
15970 / 15968	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16110 / 16108	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16690 / 16688	POS AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
16950 / 16948	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
17250 / 17247	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
17450 / 17447	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (variety?)	DEF AT
17460 / 17457	DEF AT Lower Miocene (Aquitainian) Sphenolithus dissimilis	DEF AT
17880 / 17877	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
18610 / 18607	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
18700 / 18697	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
18720 / 18717	DEF AT Lower Miocene (Aquitainian) Cyclicargolithus abisectus	DEF AT
19000 / 18997	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: AT 575	Date of Summary: 03-OCT-1995	First Sample Examined: 8110
Lease Number: G08036	Source of Paleo: OPERATOR	Borehole MD: 19012
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19009
API Well Number: 608184000500	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 46
Paleo Report Num: 2 of 2	Sample Range: 8110 - 19000	Water Depth: 6220
Public Info Code: Y 26-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
8110 / 8109	DEF AT first sample examined	DEF AT
8111 / 8110	DEF AT cement	DEF AT
8400 / 8399	DEF AT faunal change (no faunal increase)	DEF IN 4
8820 / 8819	DEF AT faunal change (no faunal increase)	POS IN 4
11790 / 11789	DEF AT faunal change (no faunal increase)	DEF IN 4
11940 / 11939	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
12360 / 12359	DEF AT faunal change (no faunal increase)	DEF IN 4
14130 / 14128	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
14860 / 14858	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
14910 / 14908	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
15150 / 15148	DEF AT faunal change (no faunal increase)	DEF IN 4
15510 / 15508	POS IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	POS IN 4
15850 / 15848	DEF AT faunal change (no faunal increase)	DEF IN 4
15860 / 15858	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
15930 / 15928	DEF AT faunal change (no faunal increase)	DEF AT 5
16020 / 16018	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
16950 / 16948	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
17530 / 17527	DEF IN Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 5
17590 / 17587	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
18999 / 18996	POS IN Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
19000 / 18997	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: BA 397	Date of Summary: 07-MAR-2006	First Sample Examined: 4012
Lease Number: G23160	Source of Paleo: OPERATOR	Borehole MD: 9236
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7132
API Well Number: 427044035500	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 4012 - 9237	Water Depth: 80
Public Info Code: Y 30-NOV-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4012 / 3461	DEF AT first sample examined	DEF AT 1
4600 / 3875	DEF AT - - - - -	DEF AT 2
4630 / 3895	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
6940 / 5442	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
7450 / 5795	DEF AT - - - - -	DEF AT 3
8680 / 6699	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
9236 / 7132	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: BA 490	Date of Summary: 10-JUN-2003	First Sample Examined: 4890
Lease Number: G22193	Source of Paleo: OPERATOR	Borehole MD: 16000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15911
API Well Number: 427044034200	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 110
Paleo Report Num: 1 of 2	Sample Range: 4890 - 16000	Water Depth: 70
Public Info Code: Y 04-MAY-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4890 / 4890	DEF AT first sample examined	DEF AT 2
4920 / 4920	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
5340 / 5340	DEF AT - - - - -	DEF AT 3
5430 / 5430	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
5580 / 5580	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
5640 / 5640	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
6240 / 6240	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
7110 / 7109	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
7620 / 7619	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
8100 / 8098	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
8820 / 8816	DEF AT - - - - -	DEF AT 4
11670 / 11659	DEF AT - - - - -	DEF AT 5
12690 / 12677	DEF AT - - - - -	DEF AT 4
13650 / 13635	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT 4
13710 / 13695	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 4
15060 / 15036	POS AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT 4
15450 / 15411	POS AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT 4
15720 / 15659	DEF AT salt	DEF AT 4
16000 / 15911	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: BA 490	Date of Summary: 10-JUN-2003	First Sample Examined: 8820
Lease Number: G22193	Source of Paleo: OPERATOR	Borehole MD: 16000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15911
API Well Number: 427044034200	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 110
Paleo Report Num: 2 of 2	Sample Range: 8820 - 16000	Water Depth: 70
Public Info Code: Y 04-MAY-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8820 / 8816	DEF AT first sample examined	DEF AT
8821 / 8817	DEF IN Middle Miocene (Langhian) Discoaster calcosus	DEF AT
10200 / 10196	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
13500 / 13485	POS AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT
16000 / 15911	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: BA 494	Date of Summary: 03-DEC-1996	First Sample Examined: 11000
Lease Number: G06071	Source of Paleo: OPERATOR	Borehole MD: 15130
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14049
API Well Number: 427044030100	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 2	Sample Range: 11000 - 13700	Water Depth: 87
Public Info Code: Y 26-JAN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 / 10335	DEF AT first sample examined	DEF AT 3
11060 / 10390	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
12890 / 11993	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
13700 / 12736	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: BA 494	Date of Summary: 03-DEC-1996	First Sample Examined: 13680
Lease Number: G06071	Source of Paleo: OPERATOR	Borehole MD: 15130
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14049
API Well Number: 427044030100	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 99
Paleo Report Num: 2 of 2	Sample Range: 13680 - 15130	Water Depth: 87
Public Info Code: Y 26-JAN-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Sidetrack 1 report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13680 / 12717	DEF AT first sample examined	DEF AT 3
15130 / 14049	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: BA 494	Date of Summary: 12-AUG-1996	First Sample Examined: 0
Lease Number: G06071	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14560
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 13835
API Well Number: 427044028900	Drilling Operator: AQUILA ENERGY RESOURCES CORPORATION	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 79
Public Info Code: Y 26-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6990 / 6988	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
7490 / 7488	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8500 / 8498	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12230 / 11988	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
14500 / 13784	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: BA 541	Date of Summary: 12-OCT-1999	First Sample Examined: 0
Lease Number: G14812	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8775
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8493
API Well Number: 427044032200	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 108
Public Info Code: Y 14-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4795 / 4795	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
5830 / 5830	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
6637 / 6626	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT
7270 / 7217	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: BA 542	Date of Summary: 07-AUG-2000	First Sample Examined: 10500
Lease Number: G12465	Source of Paleo: OPERATOR	Borehole MD: 18535
Well Name: 003	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 18506
API Well Number: 427044032400	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation: 94
Paleo Report Num: 1 of 2	Sample Range: 4200 - 18538	Water Depth: 123
Public Info Code: Y 01-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10500 / 10498	DEF AT first sample examined	DEF IN 2
10501 / 10499	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF IN 2
11010 / 11008	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 2
12000 / 11997	DEF AT -----	DEF AT 3
12240 / 12237	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
12420 / 12417	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 3
12510 / 12507	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
12630 / 12627	DEF AT -----	DEF IN 2
13230 / 13227	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 2
14220 / 14215	DEF AT -----	DEF AT 2
14730 / 14725	DEF AT -----	POS AT 2
14880 / 14875	DEF AT -----	DEF AT 2
14910 / 14905	DEF AT -----	POS AT 2
15270 / 15265	DEF AT -----	DEF AT 2
15330 / 15325	DEF AT -----	POS AT 2
15600 / 15595	DEF AT -----	DEF AT 2
15690 / 15685	DEF AT -----	POS AT 2
16080 / 16075	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 2
16140 / 16135	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 2
16440 / 16435	DEF AT -----	DEF IN 2
16500 / 16495	DEF AT -----	DEF AT 2
16530 / 16525	DEF AT -----	POS AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: BA 542	Date of Summary: 07-AUG-2000	First Sample Examined: 10500
Lease Number: G12465	Source of Paleo: OPERATOR	Borehole MD: 18535
Well Name: 003	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 18506
API Well Number: 427044032400	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation: 94
Paleo Report Num: 1 of 2	Sample Range: 4200 - 18538	Water Depth: 123
Public Info Code: Y 01-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17189 / 17183	DEF AT unconformity	DEF AT 4
17190 / 17184	POS AT faunal change (no faunal increase)	DEF AT 4
17191 / 17185	POS IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
17400 / 17393	DEF AT - - - - -	POS AT 4
17640 / 17630	DEF AT drilling material	DEF AT
17670 / 17660	DEF AT - - - - -	DEF AT 4
17790 / 17778	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
18150 / 18132	DEF AT - - - - -	POS AT 4
18510 / 18482	DEF AT last sample examined	POS AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: BA 542	Date of Summary: 02-OCT-2000	First Sample Examined: 0
Lease Number: G12465	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18535
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 18506
API Well Number: 427044032400	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation: 94
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth: 123
Public Info Code: Y 01-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12510 / 12507	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
16140 / 16135	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
17190 / 17184	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: BA A 21	Date of Summary: 29-APR-1997	First Sample Examined: 0
Lease Number: G08120	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12380
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 10241
API Well Number: 427044030700	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 122
Public Info Code: Y 22-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8157 / 7558	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
8804 / 7966	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT
10908 / 9297	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: BA A 21	Date of Summary: 19-JUL-2001	First Sample Examined: 0
Lease Number: G08120	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10685
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 9600
API Well Number: 427044029400	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 122
Public Info Code: Y 22-JAN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6156 / 6154	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
7803 / 7786	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: BA A 21	Date of Summary: 28-AUG-1997	First Sample Examined: 0
Lease Number: G08120	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11890
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 9309
API Well Number: 427044030000	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 125
Public Info Code: Y 24-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6330 / 5778	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8553 / 7413	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: BA A 47	Date of Summary: 29-DEC-1998	First Sample Examined: 0
Lease Number: G03940	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9954
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 7925
API Well Number: 427054014000	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 30-MAR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8338 / 7097	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: DC 177	Date of Summary: 01-JUN-1997	First Sample Examined: 11000
Lease Number: G10445	Source of Paleo: OPERATOR	Borehole MD: 14006
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13752
API Well Number: 608234000300	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 11000 - 14000	Water Depth: 6740
Public Info Code: Y 26-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, overall foram sample quality is relatively poor, paleoenvironments also poorly controlled, but generally indicate upper slope

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 / 10944	DEF AT first sample examined	DEF AT 3
11060 / 11000	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 4
11120 / 11055	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	POS AT 4
11270 / 11193	DEF AT -----	DEF AT 4
11300 / 11220	DEF AT Upper Miocene (Tortonian) Discoaster bellus	POS AT 4
11360 / 11275	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	POS AT 4
11540 / 11441	DEF AT -----	DEF AT 3
11570 / 11469	DEF AT -----	DEF AT 4
11660 / 11551	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT 4
11720 / 11606	DEF AT -----	POS AT 4
11960 / 11826	DEF AT Upper Miocene (Tortonian) Discoaster bollii	POS AT 4
12050 / 11909	DEF AT -----	DEF AT 4
12140 / 11991	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
12260 / 12102	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
12320 / 12158	DEF AT -----	DEF AT 5
12350 / 12186	DEF AT -----	DEF AT 4
12830 / 12635	DEF AT -----	POS AT 4
12920 / 12720	DEF IN Upper Miocene (Tortonian) Discoaster exilis	POS AT 4
12950 / 12748	DEF AT -----	DEF AT 3
13010 / 12805	DEF AT -----	DEF AT 5
13040 / 12833	DEF AT -----	POS AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: DC 177	Date of Summary: 01-JUN-1997	First Sample Examined: 11000
Lease Number: G10445	Source of Paleo: OPERATOR	Borehole MD: 14006
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13752
API Well Number: 608234000300	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 11000 - 14000	Water Depth: 6740
Public Info Code: Y 26-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13100 / 12890	DEF AT - - - - -	DEF AT 4
13190 / 12975	DEF AT - - - - -	POS AT 5
13220 / 13004	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	POS AT 5
13340 / 13118	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
13400 / 13175	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 3
13460 / 13232	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT 3
13550 / 13318	DEF AT - - - - -	POS AT 3
13580 / 13346	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 3
13670 / 13432	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
13700 / 13460	DEF AT - - - - -	POS AT 3
13850 / 13603	DEF AT Middle Miocene (Serravallian) Discoaster musicus	POS AT 3
13970 / 13718	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	POS AT 3
14000 / 13746	DEF AT last sample examined	POS AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: DC 927	Date of Summary: 17-APR-2003	First Sample Examined: 11400
Lease Number: G10480	Source of Paleo: OPERATOR	Borehole MD: 19285
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19279
API Well Number: 608234000500	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 11400 - 19285	Water Depth: 8469
Public Info Code: Y 13-MAY-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 17480=Paleocene Cruciplacolithus edwardsii

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 / 11399	DEF AT first sample examined	DEF AT
12590 / 12589	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12680 / 12679	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
12800 / 12799	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12860 / 12859	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13010 / 13009	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
13380 / 13379	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13680 / 13679	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13890 / 13889	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
15150 / 15148	DEF AT sample gap top	DEF AT
15389 / 15387	DEF AT sample gap bottom	DEF AT
15390 / 15388	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15510 / 15508	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
16520 / 16517	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperata	DEF AT
16820 / 16817	DEF AT out-of-place section	DEF AT
16850 / 16847	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
16970 / 16967	POS AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
17000 / 16997	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
17180 / 17177	DEF AT out-of-place section	DEF AT
17300 / 17297	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
17330 / 17327	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
17360 / 17357	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: DC 927	Date of Summary: 17-APR-2003	First Sample Examined: 11400
Lease Number: G10480	Source of Paleo: OPERATOR	Borehole MD: 19285
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19279
API Well Number: 608234000500	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 11400 - 19285	Water Depth: 8469
Public Info Code: Y 13-MAY-2005	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17390 / 17387	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
17420 / 17417	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
17480 / 17476	DEF AT local marker floral increase	DEF AT
17540 / 17536	DEF IN Upper Cretaceous (Maastrichtian) Micula decussata	DEF AT
17600 / 17596	DEF AT Upper Cretaceous (Cenomanian) Coriollithon kennedyi	DEF AT
17990 / 17986	DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
18140 / 18136	DEF IN Lower Cretaceous (Aptian) Conusphaera mexicana	DEF AT
19285 / 19279	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: DC 927	Date of Summary: 22-APR-2003	First Sample Examined: 11400
Lease Number: G10480	Source of Paleo: OPERATOR	Borehole MD: 19285
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19279
API Well Number: 608234000500	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 11400 - 19285	Water Depth: 8469
Public Info Code: Y 13-MAY-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: The interval from 17210 to 18140 is a stacked condensed section with multiple unconformities and/or faulting events, 17540=lowermost Maastrichtian Globorotalia ventricosa with Globotruncana fornicata and Globotruncana lapparenti, 17570=in Turonian Helvetoglobotruncana helvetica with Dicarionella algeriana, 18260=lithologic change, with coral fragments observed sporadically over the interval 18260 to 19070

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 / 11399	DEF AT first sample examined	DEF AT 5
12530 / 12529	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
12560 / 12559	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
12590 / 12589	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
12680 / 12679	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
12890 / 12889	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
13500 / 13499	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 5
13710 / 13709	DEF AT - - - - -	DEF AT 5
14130 / 14129	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
15150 / 15148	DEF AT sample gap top	POS AT 5
15389 / 15387	DEF AT sample gap bottom	DEF AT 5
15390 / 15388	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
15420 / 15418	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
15450 / 15448	DEF AT - - - - -	DEF IN 5
15540 / 15538	DEF AT - - - - -	DEF AT 5
16160 / 16158	DEF AT - - - - -	DEF IN 5
16610 / 16607	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 5
16880 / 16877	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
16910 / 16907	DEF AT - - - - -	DEF AT 5
17209 / 17206	DEF AT condensed section	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: DC 927	Date of Summary: 22-APR-2003	First Sample Examined: 11400
Lease Number: G10480	Source of Paleo: OPERATOR	Borehole MD: 19285
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19279
API Well Number: 608234000500	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 11400 - 19285	Water Depth: 8469
Public Info Code: Y 13-MAY-2005	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
17210 / 17207	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
17270 / 17267	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
17330 / 17327	DEF IN Middle Eocene (Bartonian) Globorotalia spinuloinflata	DEF AT 5
17390 / 17387	DEF AT Lower Eocene (Ypresian) Morozovella quetra	DEF AT 5
17480 / 17476	DEF AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF AT 5
17540 / 17536	DEF IN Upper Cretaceous (Maastrichtian) Globotruncana lapparenti	DEF AT 5
17570 / 17566	DEF AT Upper Cretaceous (Turonian) Helvetoglobotruncana helvetica	DEF AT 5
17600 / 17596	DEF AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT 5
17720 / 17716	DEF AT Lower Cretaceous (Albian) Biticinella breggiensis	DEF AT 5
17840 / 17836	POS AT Lower Cretaceous (Aptian) Ticinella bejaouaensis	DEF AT 4
17870 / 17866	DEF AT - - - - -	DEF AT 3
18140 / 18136	DEF AT - - - - -	DEF AT 2
18260 / 18255	DEF AT reefal material	DEF AT 2
18440 / 18435	DEF AT - - - - -	DEF AT 1
19285 / 19279	DEF AT last sample examined	DEF AT 1

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EB 624	Date of Summary: 25-FEB-2003	First Sample Examined: 6030
Lease Number: G19031	Source of Paleo: OPERATOR	Borehole MD: 7637
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7332
API Well Number: 608044022200	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 6030 - 7637	Water Depth: 3540
Public Info Code: Y 30-SEP-2007	Ecozone Eq MMS: N	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6030 / 6025	DEF AT first sample examined	DEF AT
6031 / 6026	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
6090 / 6084	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
6210 / 6199	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
6270 / 6256	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
6390 / 6368	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
6450 / 6423	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
6570 / 6531	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
6750 / 6683	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
7020 / 6890	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
7050 / 6912	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
7230 / 7040	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
7260 / 7062	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
7380 / 7148	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
7637 / 7332	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EB 624	Date of Summary: 26-FEB-2003	First Sample Examined: 6030
Lease Number: G19031	Source of Paleo: OPERATOR	Borehole MD: 7637
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7332
API Well Number: 608044022200	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 60
Paleo Report Num: 2 of 2	Sample Range: 6030 - 7637	Water Depth: 3540
Public Info Code: Y 30-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6030 / 6025	DEF AT first sample examined	DEF AT 6
6031 / 6026	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
6210 / 6199	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
6450 / 6423	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
6630 / 6583	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
7109 / 6954	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
7110 / 6955	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
7140 / 6976	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
7170 / 6998	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 6
7230 / 7040	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
7380 / 7148	DEF AT - - - - -	DEF AT 5
7440 / 7191	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
7637 / 7332	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EB 642	Date of Summary: 13-JAN-1998	First Sample Examined: 5594
Lease Number: G09184	Source of Paleo: OPERATOR	Borehole MD: 11642
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11028
API Well Number: 608044016800	Drilling Operator: READING & BATES DEVELOPMENT CO	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 5594 - 11620	Water Depth: 3668
Public Info Code: Y 18-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5594 / 5594	DEF AT first sample examined	DEF AT 4
5595 / 5595	POS IN Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 4
7030 / 7030	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
7690 / 7690	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8020 / 8020	DEF AT local marker foram decrease	DEF IN 5
8200 / 8200	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
8350 / 8350	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
8500 / 8500	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF IN 5
8920 / 8920	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9220 / 9217	DEF AT faunal change (no faunal increase)	DEF AT 5
10270 / 10170	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
11590 / 11002	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
11620 / 11017	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EB 642	Date of Summary: 13-JAN-1998	First Sample Examined: 5594
Lease Number: G09184	Source of Paleo: OPERATOR	Borehole MD: 11642
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11028
API Well Number: 608044016800	Drilling Operator: READING & BATES DEVELOPMENT CO	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 5594 - 11620	Water Depth: 3668
Public Info Code: Y 18-OCT-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5594 / 5594	DEF AT first sample examined	DEF AT
5595 / 5595	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7690 / 7690	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7720 / 7720	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8350 / 8350	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8410 / 8410	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10270 / 10170	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10810 / 10564	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
11470 / 10942	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11620 / 11017	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EB 688	Date of Summary: 22-APR-1997	First Sample Examined: 0
Lease Number: G09191	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10350
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 9684
API Well Number: 608044016401	Drilling Operator: READING & BATES DEVELOPMENT CO	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 3752
Public Info Code: Y 02-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8873 / 8477	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9370 / 8873	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EB 712	Date of Summary: 19-FEB-2003	First Sample Examined: 6030
Lease Number: G23244	Source of Paleo: OPERATOR	Borehole MD: 8200
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8199
API Well Number: 608044021500	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 6030 - 8190	Water Depth: 3672
Public Info Code: Y 27-NOV-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6030 / 6029	DEF AT first sample examined	DEF AT 5
6031 / 6030	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
6150 / 6149	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
6300 / 6299	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
6420 / 6419	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
6450 / 6449	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
6480 / 6479	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
6510 / 6509	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
7290 / 7289	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
7530 / 7529	DEF AT - - - - -	DEF IN 4
7740 / 7739	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 4
8190 / 8189	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EB 712	Date of Summary: 19-FEB-2003	First Sample Examined: 6030
Lease Number: G23244	Source of Paleo: OPERATOR	Borehole MD: 8200
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8199
API Well Number: 608044021500	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 60
Paleo Report Num: 2 of 2	Sample Range: 6030 - 8190	Water Depth: 3672
Public Info Code: Y 27-NOV-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6030 / 6029	DEF AT first sample examined	DEF AT
6031 / 6030	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
6150 / 6149	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
6180 / 6179	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
6210 / 6209	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
6270 / 6269	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
6300 / 6299	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
6330 / 6329	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
6440 / 6439	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
6480 / 6479	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
6496 / 6495	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
6510 / 6509	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
7290 / 7289	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
7380 / 7379	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
7650 / 7649	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
7740 / 7739	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
7940 / 7939	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
8010 / 8009	DEF AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT
8190 / 8189	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EB 946	Date of Summary: 01-FEB-1996	First Sample Examined: 6570
Lease Number: G08211	Source of Paleo: OPERATOR	Borehole MD: 11100
Well Name: DA003	Paleo Done By: OPERATOR	Borehole TVD: 10818
API Well Number: 608044016200	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6570 - 11330	Water Depth: 4653
Public Info Code: Y 25-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
6570 / 6570	DEF AT first sample examined	DEF AT
6571 / 6571	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
6750 / 6750	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
7290 / 7273	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8510 / 8323	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT
8570 / 8375	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT
8630 / 8427	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT
8930 / 8694	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
9470 / 9199	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10850 / 10568	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT
10970 / 10688	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11330 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EB 946	Date of Summary: 01-APR-1996	First Sample Examined: 6570
Lease Number: G08212	Source of Paleo: OPERATOR	Borehole MD: 11586
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11257
API Well Number: 608044016300	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6570 - 11587	Water Depth: 4653
Public Info Code: Y 02-MAY-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6570 / 6570	DEF AT first sample examined	DEF AT
6571 / 6571	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6750 / 6750	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8580 / 8393	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8700 / 8496	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9240 / 8968	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
10830 / 10501	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11370 / 11041	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
11550 / 11221	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11587 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 38	Date of Summary: 11-OCT-1998	First Sample Examined: 0
Lease Number: G02562	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12511
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 12343
API Well Number: 177034085900	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 16-SEP-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6038 / 6036	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT
7608 / 7543	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8079 / 7988	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8723 / 8596	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
9568 / 9410	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
9973 / 9810	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11893 / 11727	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 38	Date of Summary: 08-JAN-1999	First Sample Examined: 4055
Lease Number: G02562	Source of Paleo: OPERATOR	Borehole MD: 11080
Well Name: 007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11079
API Well Number: 177034086000	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 4055 - 16020	Water Depth: 42
Public Info Code: Y 16-SEP-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4055 / 4055	DEF AT first sample examined	DEF AT 1
5370 / 5370	DEF AT - - - - -	DEF AT 2
5550 / 5550	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
6720 / 6720	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
6900 / 6900	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF AT 2
7440 / 7440	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
7860 / 7860	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 3
8340 / 8340	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 3
8430 / 8430	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
8969 / 8968	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 3
8970 / 8969	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
9000 / 8999	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
9300 / 9299	DEF AT Eggerella sp. (local marker)	DEF AT 3
9360 / 9359	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
9540 / 9539	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
10470 / 10469	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
10560 / 10559	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 3
11080 / 11079	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 38	Date of Summary: 08-JAN-1999	First Sample Examined: 11080
Lease Number: G02562	Source of Paleo: OPERATOR	Borehole MD: 16050
Well Name: 007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16048
API Well Number: 177034086001	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 11080 - 16020	Water Depth: 42
Public Info Code: Y 16-SEP-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11080 / 11079	DEF AT first sample examined	DEF AT 3
11081 / 11080	POS IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
11219 / 11218	DEF AT local marker benthic foram increase	DEF AT 3
11220 / 11219	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
12180 / 12178	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
13080 / 13078	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
13770 / 13768	DEF AT local marker benthic foram increase	DEF AT 3
14010 / 14008	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
16020 / 16017	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 38	Date of Summary: 05-MAY-2000	First Sample Examined: 0
Lease Number: G02562	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10202
Well Name: 008	Paleo Done By: OPERATOR	Borehole TVD: 10201
API Well Number: 177034087800	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 45
Public Info Code: Y 16-SEP-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6560 / 6560	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
7590 / 7590	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
9455 / 9454	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 40	Date of Summary: 26-NOV-2001	First Sample Examined: 0
Lease Number: G21570	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17936
API Well Number: 177034091000	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 45
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
9090 / 9090	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
9480 / 9480	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
9570 / 9570	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10890 / 10889	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
12840 / 12839	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
15480 / 15479	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
17220 / 17191	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 57	Date of Summary: 03-JAN-1995	First Sample Examined: 0
Lease Number: G03289	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15142
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 15140
API Well Number: 177034067700	Drilling Operator: CONOCO INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 46
Public Info Code: Y 02-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10290 / 10290	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
12120 / 12119	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
13020 / 13019	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 104	Date of Summary: 25-JUN-2001	First Sample Examined: 0
Lease Number: G21572	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10539
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8587
API Well Number: 177034089300	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 65
Public Info Code: Y 28-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3600 / 3600	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
5463 / 5433	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
7090 / 6727	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 104	Date of Summary: 25-JUN-2001	First Sample Examined: 0
Lease Number: G21572	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10057
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 7983
API Well Number: 177034089700	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 65
Public Info Code: Y 28-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5448 / 5417	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
8900 / 7409	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
9866 / 7886	DEF IN Upper Miocene (Tortonian) Robulus 15	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 126	Date of Summary: 11-AUG-2003	First Sample Examined: 7680
Lease Number: G22583	Source of Paleo: OPERATOR	Borehole MD: 16214
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15100
API Well Number: 177034095401	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 7680 - 16200	Water Depth: 77
Public Info Code: Y 30-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7680 / 7676	DEF AT first sample examined	DEF IN 3
7710 / 7706	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 3
7890 / 7886	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 3
8790 / 8786	DEF AT - - - - -	DEF AT 4
9480 / 9476	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
11250 / 11115	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
13050 / 12523	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
13890 / 13206	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
14310 / 13549	DEF AT - - - - -	DEF AT 5
14400 / 13623	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
14490 / 13696	DEF AT - - - - -	DEF AT 4
15450 / 14476	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
15480 / 14500	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
16200 / 15089	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 137	Date of Summary: 22-SEP-2004	First Sample Examined: 15190
Lease Number: G21575	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16995
API Well Number: 177034097300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 5190 - 17000	Water Depth: 81
Public Info Code: Y 06-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Poblano Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5190 / 5190	DEF AT first sample examined	DEF IN 1
5280 / 5280	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
5310 / 5310	DEF AT faunal change (no faunal increase)	DEF IN 1
5340 / 5340	DEF AT faunal change (no faunal increase)	DEF AT 2
5370 / 5370	DEF AT faunal change (no faunal increase)	DEF IN 1
5460 / 5460	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 1
5910 / 5910	DEF AT local marker foram decrease	DEF IN 1
6180 / 6180	DEF AT local marker benthic foram increase	DEF AT 2
6240 / 6240	DEF AT local marker foram decrease	DEF AT 2
6360 / 6360	DEF AT faunal change (no faunal increase)	DEF IN 1
6810 / 6810	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 2
6840 / 6840	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF IN 1
6900 / 6900	DEF AT faunal change (no faunal increase)	DEF AT 2
6930 / 6930	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
6960 / 6960	DEF AT faunal change (no faunal increase)	DEF IN 1
6990 / 6990	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 2
7050 / 7050	DEF AT local marker foram decrease	DEF AT 2
7080 / 7080	DEF AT faunal change (no faunal increase)	DEF IN 1
7500 / 7499	DEF AT Lower Pliocene (Zanclian) Sigmolilina "P" / cf. schlumbergeri	DEF AT 2
7830 / 7829	DEF AT faunal change (no faunal increase)	DEF IN 1
7980 / 7979	DEF AT faunal change (no faunal increase)	DEF IN 2
8010 / 8009	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 137	Date of Summary: 22-SEP-2004	First Sample Examined: 15190
Lease Number: G21575	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16995
API Well Number: 177034097300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 5190 - 17000	Water Depth: 81
Public Info Code: Y 06-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
8100 / 8098	DEF AT local marker foram decrease	DEF IN 2
8310 / 8308	DEF AT faunal change (no faunal increase)	DEF AT 2
8610 / 8608	DEF AT local marker benthic foram increase	DEF AT 2
8670 / 8668	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 3
8700 / 8698	DEF AT faunal change (no faunal increase)	DEF IN 2
8760 / 8758	DEF AT local marker foram decrease	DEF AT 2
8910 / 8908	POS AT local marker benthic foram increase	DEF AT 2
9060 / 9057	DEF AT faunal change (no faunal increase)	DEF IN 2
9150 / 9147	DEF AT faunal change (no faunal increase)	DEF AT 2
9270 / 9267	POS AT local marker benthic foram increase	DEF AT 2
9300 / 9297	DEF AT faunal change (no faunal increase)	DEF IN 2
9330 / 9327	DEF AT faunal change (no faunal increase)	DEF AT 2
9389 / 9386	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
9390 / 9387	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 3
9510 / 9507	DEF AT pyrite	DEF AT 3
9660 / 9657	DEF AT faunal change (no faunal increase)	DEF IN 2
9690 / 9687	DEF AT faunal change (no faunal increase)	DEF AT 3
9750 / 9747	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 3
9900 / 9897	DEF AT local marker foram decrease	DEF AT 3
10200 / 10197	DEF AT faunal change (no faunal increase)	DEF IN 2
10230 / 10227	POS AT Upper Miocene (Tortonian) Reophax davepopei	DEF IN 2
10260 / 10257	DEF AT faunal change (no faunal increase)	DEF AT 3
10290 / 10287	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 3
10380 / 10377	DEF AT local marker foram decrease	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 137	Date of Summary: 22-SEP-2004	First Sample Examined: 15190
Lease Number: G21575	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16995
API Well Number: 177034097300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 5190 - 17000	Water Depth: 81
Public Info Code: Y 06-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
10500 / 10497	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
10860 / 10856	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
10979 / 10975	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
10980 / 10976	DEF AT Arenaceous fauna (local marker)	DEF AT 3
11070 / 11066	DEF AT Arenaceous fauna (local marker)	DEF AT 3
11160 / 11156	DEF AT local marker planktic foram increase	DEF AT 3
11190 / 11186	DEF AT pyrite	DEF AT 3
11250 / 11246	DEF AT faunal change (no faunal increase)	DEF IN 3
11280 / 11276	DEF AT faunal change (no faunal increase)	DEF AT 3
11640 / 11636	DEF AT Arenaceous fauna (local marker)	DEF AT 3
11699 / 11695	DEF AT cement	DEF IN 2
11700 / 11696	DEF AT local marker foram decrease	DEF IN 2
11760 / 11756	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 3
11849 / 11845	DEF AT pyrite	DEF AT 3
11850 / 11846	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 3
12030 / 12026	DEF AT Eggerella sp. (local marker)	DEF AT 3
12060 / 12056	DEF AT local marker benthic foram increase	DEF AT 3
12150 / 12146	DEF AT faunal change (no faunal increase)	DEF IN 3
12270 / 12266	DEF AT local marker foram decrease	DEF AT 3
12360 / 12356	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF IN 3
12419 / 12415	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF IN 3
12420 / 12416	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 3
12540 / 12536	DEF AT faunal change (no faunal increase)	DEF AT 3
12690 / 12686	DEF AT local marker foram decrease	DEF IN 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 137	Date of Summary: 22-SEP-2004	First Sample Examined: 15190
Lease Number: G21575	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16995
API Well Number: 177034097300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 5190 - 17000	Water Depth: 81
Public Info Code: Y 06-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12750 / 12746	DEF AT local marker benthic foram increase	DEF AT 4
12900 / 12896	DEF AT faunal change (no faunal increase)	DEF AT 3
12990 / 12986	DEF AT faunal change (no faunal increase)	DEF AT 4
13080 / 13076	DEF AT Arenaceous fauna (local marker)	DEF AT 4
13170 / 13166	DEF AT local marker foram increase	DEF AT 4
13380 / 13375	DEF AT local marker deep water fauna	DEF IN 4
13470 / 13465	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
13529 / 13524	DEF AT local marker foram decrease	DEF AT 3
13530 / 13525	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 3
13620 / 13615	DEF AT Bathysiphon fauna	DEF AT 3
13740 / 13735	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF AT 4
13829 / 13824	DEF AT siltstone	DEF AT 3
13830 / 13825	DEF AT local marker foram decrease	DEF AT 3
13860 / 13855	DEF AT Eggerella sp. (local marker)	DEF AT 3
13920 / 13915	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF AT 3
14130 / 14125	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 3
14232 / 14227	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF IN 3
14250 / 14245	DEF AT foram flood	DEF IN 3
14280 / 14275	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 3
14310 / 14305	DEF AT faunal change (no faunal increase)	DEF AT 4
14339 / 14334	DEF AT foram flood	DEF IN 3
14340 / 14335	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
14760 / 14755	DEF AT foram flood	DEF IN 3
14768 / 14763	DEF AT foram flood	DEF IN 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 137	Date of Summary: 22-SEP-2004	First Sample Examined: 15190
Lease Number: G21575	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16995
API Well Number: 177034097300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 5190 - 17000	Water Depth: 81
Public Info Code: Y 06-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
14820 / 14815	DEF AT local marker foram decrease	DEF AT 3
14969 / 14964	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 3
14970 / 14965	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 3
15030 / 15025	DEF AT local marker foram decrease	DEF IN 3
15150 / 15145	DEF AT local marker benthic foram increase	DEF IN 3
15209 / 15203	DEF AT siltstone	DEF IN 3
15210 / 15204	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
15270 / 15264	DEF AT local marker deep water fauna	DEF AT 4
15330 / 15324	DEF AT local marker foram decrease	DEF AT 3
15360 / 15354	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 3
15390 / 15384	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 3
15420 / 15414	DEF AT local marker deep water fauna	DEF IN 4
15450 / 15444	DEF AT local marker foram increase	DEF IN 4
15480 / 15474	DEF AT local marker benthic foram increase	DEF IN 4
15540 / 15534	DEF AT deepwater facies Harang	DEF AT 4
15570 / 15564	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
15630 / 15624	DEF AT Arenaceous fauna (local marker)	DEF IN 3
15690 / 15684	DEF AT local marker foram decrease	DEF AT 4
15870 / 15864	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
15930 / 15924	DEF AT local marker benthic foram increase	DEF AT 3
15960 / 15954	DEF AT faunal change (no faunal increase)	DEF IN 3
15990 / 15984	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
16020 / 16014	DEF AT faunal change (no faunal increase)	DEF AT 4
16050 / 16044	DEF AT local marker planktic foram increase	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 137	Date of Summary: 22-SEP-2004	First Sample Examined: 15190
Lease Number: G21575	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16995
API Well Number: 177034097300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 5190 - 17000	Water Depth: 81
Public Info Code: Y 06-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16110 / 16104	DEF AT local marker foram decrease	DEF IN 3
16140 / 16134	DEF AT faunal change (no faunal increase)	DEF AT 3
16320 / 16314	DEF AT local marker foram decrease	DEF AT 4
16380 / 16374	DEF AT faunal change (no faunal increase)	DEF AT 3
16410 / 16404	DEF AT faunal change (no faunal increase)	DEF AT 4
16440 / 16434	DEF AT local marker foram decrease	DEF AT 3
16470 / 16464	DEF AT faunal change (no faunal increase)	DEF AT 4
16500 / 16494	DEF AT faunal change (no faunal increase)	DEF AT 3
16530 / 16524	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 4
16560 / 16554	DEF AT Arenaceous fauna (local marker)	DEF IN 4
16620 / 16614	DEF AT faunal change (no faunal increase)	DEF AT 4
16710 / 16704	DEF AT local marker foram decrease	DEF AT 3
16890 / 16884	POS AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 4
17000 / 16994	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 137	Date of Summary: 04-OCT-2004	First Sample Examined: 9480
Lease Number: G21575	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16995
API Well Number: 177034097300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 9480 - 17000	Water Depth: 81
Public Info Code: Y 06-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Poblano Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9480 / 9477	DEF AT first sample examined	DEF AT
9481 / 9478	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9720 / 9717	DEF AT local marker floral increase	DEF AT
9780 / 9777	DEF AT local marker floral increase	DEF AT
10050 / 10047	DEF AT local marker floral decrease	DEF AT
10110 / 10107	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10170 / 10167	DEF AT local marker floral decrease	DEF AT
10470 / 10467	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10680 / 10676	DEF AT local marker floral decrease	DEF AT
11160 / 11156	DEF AT local marker floral increase	DEF AT
11380 / 11376	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11560 / 11556	DEF AT local marker floral decrease	DEF AT
11820 / 11816	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11940 / 11936	DEF AT local marker floral decrease	DEF AT
12120 / 12116	POS AT local marker floral increase	DEF AT
12720 / 12716	DEF AT local marker floral increase	DEF AT
12960 / 12956	DEF AT local marker floral decrease	DEF AT
13740 / 13735	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13860 / 13855	DEF AT local marker floral decrease	DEF AT
14160 / 14155	DEF AT local marker floral increase	DEF AT
14232 / 14227	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14370 / 14365	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 137	Date of Summary: 04-OCT-2004	First Sample Examined: 9480
Lease Number: G21575	Source of Paleo: OPERATOR	Borehole MD: 17000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16995
API Well Number: 177034097300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 9480 - 17000	Water Depth: 81
Public Info Code: Y 06-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
14550 / 14545	DEF AT local marker floral decrease	DEF AT
14790 / 14785	DEF AT local marker floral increase	DEF AT
14850 / 14845	DEF AT local marker floral decrease	DEF AT
14970 / 14965	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15090 / 15085	DEF AT local marker floral decrease	DEF AT
15330 / 15324	DEF AT local marker floral increase	DEF AT
15390 / 15384	DEF AT local marker floral decrease	DEF AT
15450 / 15444	DEF AT local marker floral increase	DEF AT
15510 / 15504	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15630 / 15624	DEF AT local marker floral decrease	DEF AT
15690 / 15684	DEF AT reworked material	DEF AT
15930 / 15924	POS AT local marker floral increase	DEF AT
16080 / 16074	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
16200 / 16194	DEF AT local marker floral decrease	DEF AT
16260 / 16254	DEF AT local marker floral increase	DEF AT
16410 / 16404	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperita	DEF AT
16470 / 16464	DEF AT local marker floral decrease	DEF AT
16590 / 16584	DEF AT local marker floral increase	DEF AT
16710 / 16704	DEF AT local marker floral decrease	DEF AT
16890 / 16884	POS AT local marker floral increase	DEF AT
16950 / 16944	DEF AT local marker floral decrease	DEF AT
17000 / 16994	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 142	Date of Summary: 19-APR-2001	First Sample Examined: 0
Lease Number: G16239	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9400
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 8811
API Well Number: 177034088900	Drilling Operator: TRANSWORLD EXPLORATION AND PRODUCTION INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 75
Public Info Code: Y 17-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6782 / 6537	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
8470 / 8000	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
9243 / 8672	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 157	Date of Summary: 16-DEC-1996	First Sample Examined: 7010
Lease Number: G12831	Source of Paleo: OPERATOR	Borehole MD: 9957
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8726
API Well Number: 177034081800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 127
Paleo Report Num: 1 of 2	Sample Range: 7010 - 9950	Water Depth: 76
Public Info Code: Y 08-NOV-2005	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7010 / 6151	DEF AT first sample examined	DEF AT
7520 / 6571	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8510 / 7401	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9500 / 8289	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9650 / 8431	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
9950 / 8719	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 157	Date of Summary: 18-DEC-1996	First Sample Examined: 3832
Lease Number: G12831	Source of Paleo: OPERATOR	Borehole MD: 9957
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8726
API Well Number: 177034081800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 127
Paleo Report Num: 2 of 2	Sample Range: 3832 - 9950	Water Depth: 76
Public Info Code: Y 08-NOV-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
3830 / 3499	DEF AT first sample examined	DEF AT 1
5870 / 5200	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 1
5960 / 5276	DEF AT - - - - -	DEF AT 2
7250 / 6350	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
8450 / 7349	DEF AT - - - - -	DEF AT 3
8570 / 7454	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
9260 / 8067	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 3
9380 / 8178	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 3
9500 / 8289	DEF AT - - - - -	DEF AT 4
9560 / 8346	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
9620 / 8403	DEF AT - - - - -	DEF AT 6
9800 / 8574	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 6
9920 / 8690	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
9950 / 8719	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 157	Date of Summary: 07-MAR-1997	First Sample Examined: 0
Lease Number: G12831	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11260
Well Name: A006	Paleo Done By: OPERATOR	Borehole TVD: 9987
API Well Number: 177034082100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 127
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 76
Public Info Code: Y 08-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5570 / 5377	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7010 / 6558	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10610 / 9457	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 171	Date of Summary: 01-MAY-1996	First Sample Examined: 8000
Lease Number: G12836	Source of Paleo: OPERATOR	Borehole MD: 13700
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13634
API Well Number: 177034080500	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 149
Paleo Report Num: 1 of 1	Sample Range: 8000 - 13700	Water Depth: 80
Public Info Code: Y 29-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7999	DEF AT first sample examined	DEF AT 1
8090 / 8089	POS IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 1
8570 / 8569	DEF AT shell fragments	DEF AT 1
9230 / 9229	DEF AT faunal change (no faunal increase)	DEF IN 1
9290 / 9289	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 1
9350 / 9349	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 1
9799 / 9798	POS AT unconformity	DEF AT 2
9800 / 9799	DEF AT local marker benthic foram increase	DEF AT 2
9860 / 9859	DEF AT local marker foram increase	DEF AT 2
10190 / 10189	DEF AT faunal change (no faunal increase)	DEF IN 1
10310 / 10308	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 2
10370 / 10368	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 2
10610 / 10608	DEF AT faunal change (no faunal increase)	DEF IN 1
10730 / 10728	DEF AT faunal change (no faunal increase)	DEF AT 2
10820 / 10817	DEF AT faunal change (no faunal increase)	POS IN 1
10970 / 10967	POS AT unconformity	DEF IN 2
11000 / 10997	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF IN 2
11060 / 11057	DEF AT local marker benthic foram increase	DEF IN 2
11120 / 11117	DEF AT faunal change (no faunal increase)	DEF AT 2
11240 / 11236	DEF AT faunal change (no faunal increase)	DEF IN 1
11330 / 11326	DEF AT faunal change (no faunal increase)	DEF AT 1
11959 / 11955	POS AT unconformity	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 171	Date of Summary: 01-MAY-1996	First Sample Examined: 8000
Lease Number: G12836	Source of Paleo: OPERATOR	Borehole MD: 13700
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13634
API Well Number: 177034080500	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 149
Paleo Report Num: 1 of 1	Sample Range: 8000 - 13700	Water Depth: 80
Public Info Code: Y 29-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
11960 / 11956	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
12020 / 12016	DEF AT local marker benthic foram increase	DEF IN 3
12030 / 12026	POS AT condensed section	DEF IN 3
12260 / 12255	DEF AT faunal change (no faunal increase)	DEF AT 3
12500 / 12495	DEF AT faunal change (no faunal increase)	DEF IN 2
12740 / 12735	DEF AT Arenaceous fauna (local marker)	DEF IN 2
12830 / 12825	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 2
13010 / 13005	POS AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF IN 2
13310 / 13304	DEF AT faunal change (no faunal increase)	POS AT 3
13430 / 13424	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS AT 3
13520 / 13514	DEF AT pyrite	DEF AT 3
13550 / 13544	POS AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 3
13700 / 13694	DEF AT last sample examined	POS AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 172	Date of Summary: 30-JUN-1998	First Sample Examined: 0
Lease Number: G17858	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14650
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 14591
API Well Number: 177034083700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 80
Public Info Code: Y 13-DEC-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7850 / 7848	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
9100 / 9095	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
11800 / 11791	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 187	Date of Summary: 22-FEB-2002	First Sample Examined: 13160
Lease Number: G22586	Source of Paleo: OPERATOR	Borehole MD: 13249
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12673
API Well Number: 177034092000	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 8020 - 13160	Water Depth: 91
Public Info Code: Y 31-MAY-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8020 / 8019	DEF AT first sample examined	DEF AT 2
8370 / 8369	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
11320 / 11032	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
12399 / 11949	DEF AT Cyclamina cancellata (local marker)	DEF AT 4
12400 / 11950	POS AT Lower Pliocene (Zanclian) Cibicides marsi	POS AT 4
13160 / 12598	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 195	Date of Summary: 18-JUL-1969	First Sample Examined: 7010
Lease Number: G00958	Source of Paleo: OPERATOR	Borehole MD: 12749
Well Name: 002	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 12749
API Well Number: 177030023000	Drilling Operator: BURMAH OIL & GAS COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 7010 - 12750	Water Depth: 40
Public Info Code: Y 30-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7010 /	DEF AT first sample examined	DEF AT
7910 /	DEF AT local marker benthic foram increase	DEF AT
8030 /	DEF AT Upper Pliocene (Piacenzian) Globorotalia multcamerata	DEF AT
8600 /	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT
9600 /	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT
10080 /	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11880 /	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT
12750 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 195	Date of Summary: 15-JUL-1970	First Sample Examined: 12870
Lease Number: G00959	Source of Paleo: OPERATOR	Borehole MD: 13355
Well Name: A002	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 12954
API Well Number: 177032002300	Drilling Operator: AMINOIL INC.	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 12870 - 13340	Water Depth: 102
Public Info Code: Y 30-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12870 /	DEF AT first sample examined	DEF AT
12871 /	DEF AT Eggerella sp. (local marker)	DEF AT
13340 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 196	Date of Summary: 28-OCT-1997	First Sample Examined: 0
Lease Number: G16244	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13300
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12383
API Well Number: 177034082800	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 100
Public Info Code: Y 20-AUG-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11942 / 11593	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 204	Date of Summary: 15-JUL-1969	First Sample Examined: 5000
Lease Number: G00959	Source of Paleo: OPERATOR	Borehole MD: 12949
Well Name: 001	Paleo Done By: CROSBIE-MACOMBER	Borehole TVD: 12949
API Well Number: 177030022800	Drilling Operator: BURMAH OIL & GAS COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 5000 - 12950	Water Depth: 107
Public Info Code: Y 30-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5000 /	DEF AT first sample examined	DEF AT
6180 /	DEF AT local marker benthic foram increase	DEF AT
7200 /	DEF AT Upper Pliocene (Piacenzian) Globorotalia multcamerata	DEF AT
8192 /	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
8193 /	POS AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT
8758 /	DEF AT Upper Pliocene (Piacenzian) Cyclamina sp.	DEF AT
9524 /	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
9525 /	DEF AT Lower Pliocene (Zanclian) Sigmilina "P" / cf. schlumbergeri	DEF AT
11240 /	DEF AT Arenaceous fauna (local marker)	DEF AT
11360 /	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT
12830 /	DEF AT Eggerella 3 (local marker)	DEF AT
12950 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 222	Date of Summary: 07-SEP-1995	First Sample Examined: 0
Lease Number: G02037	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14429
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 14427
API Well Number: 177034068200	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 118
Public Info Code: Y 06-AUG-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8500 / 8500	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT
11100 / 11099	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12880 / 12878	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT
13360 / 13358	DEF AT local marker benthic foram increase	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 272	Date of Summary: 18-AUG-1997	First Sample Examined: 7300
Lease Number: G02047	Source of Paleo: OPERATOR	Borehole MD: 9505
Well Name: H009	Paleo Done By: OPERATOR	Borehole TVD: 7531
API Well Number: 177044094500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 7300 - 9300	Water Depth: 182
Public Info Code: Y 03-FEB-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7300 / 5581	DEF AT first sample examined	DEF AT 1
8670 / 6783	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 1
9150 / 7213	DEF AT - - - - -	DEF AT 2
9180 / 7240	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 2
9240 / 7294	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 2
9300 / 7347	DEF AT last sample examined	DEF AT 2

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 294	Date of Summary: 26-MAR-2001	First Sample Examined: 0
Lease Number: G17874	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6754
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 4600
API Well Number: 177044101600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 77
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 190
Public Info Code: Y 29-DEC-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2432 / 2352	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 324	Date of Summary: 27-DEC-1995	First Sample Examined: 1058
Lease Number: G02255	Source of Paleo: OPERATOR	Borehole MD: 6266
Well Name: 008	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 4466
API Well Number: 177044082201	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 1058 - 6266	Water Depth: 199
Public Info Code: Y 21-JAN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1058 / 1056	DEF AT first sample examined	DEF AT 2
1320 / 1314	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
1830 / 1721	POS AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
2070 / 1832	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 3
2670 / 2005	DEF AT local marker foram increase	DEF AT 3
3450 / 2289	DEF AT pyrite	DEF AT 3
3480 / 2305	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 3
3510 / 2321	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
3540 / 2337	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
6266 / 4463	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 328	Date of Summary: 06-JUN-1999	First Sample Examined: 0
Lease Number: G10638	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9400
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 9387
API Well Number: 177044095600	Drilling Operator: ARENA OFFSHORE LLC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 252
Public Info Code: Y 09-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5940 / 5938	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
6540 / 6538	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
6630 / 6628	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
7530 / 7526	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
7950 / 7944	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
8130 / 8124	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
8190 / 8183	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT
8370 / 8363	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
8460 / 8452	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT
8760 / 8751	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
8970 / 8959	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 328	Date of Summary: 31-JAN-1995	First Sample Examined: 0
Lease Number: G10638	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 4000
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 4000
API Well Number: 177044080800	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 243
Public Info Code: Y 31-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3350 / 3350	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 348	Date of Summary: 09-MAY-2001	First Sample Examined: 0
Lease Number: G21584	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10047
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 7400
API Well Number: 177044101900	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 280
Public Info Code: Y 31-MAY-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8850 / 6650	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
9290 / 6944	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 373	Date of Summary: 19-SEP-1995	First Sample Examined: 3350
Lease Number: G14391	Source of Paleo: OPERATOR	Borehole MD: 6182
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6182
API Well Number: 177044081800	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 3350 - 6182	Water Depth: 394
Public Info Code: Y 09-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3350 / 3350	DEF AT first sample examined	DEF AT 3
3351 / 3351	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6182 / 6182	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 381	Date of Summary: 31-JAN-1997	First Sample Examined: 12010
Lease Number: G02267	Source of Paleo: OPERATOR	Borehole MD: 16773
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14157
API Well Number: 177044094300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 79
Paleo Report Num: 1 of 4	Sample Range: 12010 - 15070	Water Depth: 446
Public Info Code: Y 28-JAN-2007	Ecozone Eq MMS:	Paleo ID: 004

Remark: Calcareous nannofossil report for original hole

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12010 / 10685	DEF AT first sample examined	DEF AT
12011 / 10686	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12850 / 11299	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13870 / 12025	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
15070 / 12870	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 381	Date of Summary: 31-JAN-1997	First Sample Examined: 12731
Lease Number: G02267	Source of Paleo: OPERATOR	Borehole MD: 16773
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14157
API Well Number: 177044094300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 79
Paleo Report Num: 2 of 4	Sample Range: 12731 - 16780	Water Depth: 446
Public Info Code: Y 28-JAN-2007	Ecozone Eq MMS:	Paleo ID: 005

Remark: Calcareous nannofossil report for sidetrack

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12731 / 11212	DEF AT first sample examined	DEF AT
12911 / 11343	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13751 / 11942	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
16780 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 381	Date of Summary: 17-MAY-1997	First Sample Examined: 12730
Lease Number: G02267	Source of Paleo: OPERATOR	Borehole MD: 16773
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14157
API Well Number: 177044094300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 79
Paleo Report Num: 3 of 4	Sample Range: 12730 - 16780	Water Depth: 446
Public Info Code: Y 28-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12730 / 11211	DEF AT first sample examined	DEF AT 3
12880 / 11320	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	POS IN 3
12970 / 11385	DEF AT faunal change (no faunal increase)	DEF AT 3
13210 / 11558	DEF AT faunal change (no faunal increase)	DEF IN 3
13240 / 11580	DEF AT local marker foram increase	DEF AT 3
13630 / 11858	DEF AT faunal change (no faunal increase)	DEF AT 2
13690 / 11900	DEF AT local marker foram increase	DEF AT 3
13750 / 11941	DEF AT local marker foram increase	DEF AT 3
13930 / 12066	DEF AT faunal change (no faunal increase)	DEF IN 2
14170 / 12236	DEF AT faunal change (no faunal increase)	DEF AT 3
14260 / 12299	DEF AT faunal change (no faunal increase)	DEF IN 2
14440 / 12424	DEF AT faunal change (no faunal increase)	DEF AT 3
14500 / 12465	DEF AT faunal change (no faunal increase)	DEF IN 2
14620 / 12549	DEF AT Arenaceous fauna (local marker)	DEF IN 2
15070 / 12870	DEF AT faunal change (no faunal increase)	DEF AT 3
15280 / 13027	DEF AT faunal change (no faunal increase)	DEF IN 2
15550 / 13228	DEF AT faunal change (no faunal increase)	DEF IN 3
15610 / 13273	DEF AT faunal change (no faunal increase)	DEF IN 3
15699 / 13340	DEF IN Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
15700 / 13341	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
15760 / 13387	DEF AT faunal change (no faunal increase)	DEF IN 3
15850 / 13455	DEF AT faunal change (no faunal increase)	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 381	Date of Summary: 17-MAY-1997	First Sample Examined: 12730
Lease Number: G02267	Source of Paleo: OPERATOR	Borehole MD: 16773
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14157
API Well Number: 177044094300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 79
Paleo Report Num: 3 of 4	Sample Range: 12730 - 16780	Water Depth: 446
Public Info Code: Y 28-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
15940 / 13524	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 3
16000 / 13570	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
16060 / 13615	DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P"	DEF IN 4
16140 / 13676	DEF AT faunal change (no faunal increase)	DEF AT 3
16150 / 13684	DEF AT faunal change (no faunal increase)	DEF AT 3
16330 / 13821	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 3
16450 / 13912	DEF AT Arenaceous fauna (local marker)	DEF AT 3
16780 /	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 381	Date of Summary: 17-MAY-1997	First Sample Examined: 11980
Lease Number: G02267	Source of Paleo: OPERATOR	Borehole MD: 16773
Well Name: A002	Paleo Done By: BIOSTRATIGRAPHIC INTERPRETATIONS	Borehole TVD: 14157
API Well Number: 177044094300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 79
Paleo Report Num: 4 of 4	Sample Range: 11980 - 15110	Water Depth: 446
Public Info Code: Y 28-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11980 / 10662	DEF AT first sample examined	DEF AT 3
12100 / 10751	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
12370 / 10949	DEF AT faunal change (no faunal increase)	DEF IN 2
12820 / 11277	DEF AT local marker foram increase	DEF AT 3
12850 / 11299	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
12940 / 11364	DEF AT faunal change (no faunal increase)	DEF IN 3
13000 / 11407	DEF AT faunal change (no faunal increase)	DEF AT 3
13150 / 11515	DEF AT faunal change (no faunal increase)	DEF IN 3
13210 / 11558	DEF AT local marker foram increase	DEF IN 3
13270 / 11602	DEF AT faunal change (no faunal increase)	DEF AT 3
13360 / 11667	DEF AT faunal change (no faunal increase)	DEF IN 2
13450 / 11733	DEF AT faunal change (no faunal increase)	DEF AT 2
13480 / 11754	DEF AT faunal change (no faunal increase)	DEF IN 2
13690 / 11900	DEF AT local marker foram increase	POS AT 3
13720 / 11920	DEF AT faunal change (no faunal increase)	DEF IN 2
13840 / 12004	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 3
13930 / 12066	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 3
14050 / 12151	DEF AT faunal change (no faunal increase)	DEF AT 3
14110 / 12193	DEF AT faunal change (no faunal increase)	DEF IN 3
14230 / 12278	DEF AT faunal change (no faunal increase)	DEF AT 3
14350 / 12361	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 3
14500 / 12465	DEF AT faunal change (no faunal increase)	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 381	Date of Summary: 17-MAY-1997	First Sample Examined: 11980
Lease Number: G02267	Source of Paleo: OPERATOR	Borehole MD: 16773
Well Name: A002	Paleo Done By: BIOSTRATIGRAPHIC INTERPRETATIONS	Borehole TVD: 14157
API Well Number: 177044094300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 79
Paleo Report Num: 4 of 4	Sample Range: 11980 - 15110	Water Depth: 446
Public Info Code: Y 28-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14560 / 12507	DEF AT Arenaceous fauna (local marker)	DEF IN 3
14680 / 12591	DEF AT faunal change (no faunal increase)	DEF AT 3
14830 / 12695	DEF AT faunal change (no faunal increase)	POS IN 3
15110 / 12900	DEF AT last sample examined	POS IN 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 381	Date of Summary: 28-JUL-1996	First Sample Examined: 7000
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 15128
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14968
API Well Number: 177044083600	Drilling Operator: CHEVRON CORPORATION	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 7000 - 15128	Water Depth: 446
Public Info Code: Y 24-AUG-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Barite South Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
7000 / 6999	DEF AT first sample examined	DEF AT
8920 / 8919	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9100 / 9099	DEF AT local marker floral decrease	DEF AT
9640 / 9639	DEF AT local marker floral increase	DEF AT
9880 / 9879	DEF AT local marker floral increase	DEF AT
9940 / 9939	DEF AT local marker floral decrease	DEF AT
10300 / 10299	DEF AT local marker floral increase	DEF AT
10360 / 10359	DEF AT local marker floral decrease	DEF AT
10760 / 10759	DEF AT local marker floral increase	DEF AT
10940 / 10939	DEF AT local marker floral decrease	DEF AT
11840 / 11836	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12080 / 12071	DEF AT local marker floral decrease	DEF AT
12490 / 12465	DEF AT local marker floral increase	DEF AT
12550 / 12522	DEF AT local marker floral decrease	DEF AT
14350 / 14243	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14470 / 14358	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14650 / 14528	DEF AT local marker floral decrease	DEF AT
14830 / 14695	DEF AT local marker floral increase	DEF AT
14950 / 14805	DEF AT local marker floral decrease	DEF AT
15128 / 14968	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 381	Date of Summary: 02-SEP-1996	First Sample Examined: 7000
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 15128
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14968
API Well Number: 177044083600	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 7000 - 15128	Water Depth: 446
Public Info Code: Y 24-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Barite South Prospect

MD / TVD	Paleo Top Description	Ecozone
7000 / 6999	DEF AT first sample examined	DEF AT 2
7001 / 7000	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
7060 / 7059	DEF AT faunal change (no faunal increase)	DEF IN 1
7090 / 7089	DEF AT local marker foram decrease	DEF IN 1
7180 / 7179	DEF AT local marker foram increase	DEF AT 2
7300 / 7299	DEF AT local marker foram decrease	DEF IN 1
7720 / 7719	DEF AT faunal change (no faunal increase)	DEF AT 2
7750 / 7749	DEF AT faunal change (no faunal increase)	DEF AT 1
7870 / 7869	DEF AT faunal change (no faunal increase)	DEF AT 2
8320 / 8319	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 2
8380 / 8379	DEF AT local marker foram decrease	DEF IN 1
8530 / 8529	POS AT local marker foram increase	DEF AT 2
8560 / 8559	DEF AT local marker foram decrease	DEF AT 2
8890 / 8889	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 2
9160 / 9159	DEF AT local marker foram decrease	DEF AT 2
9250 / 9249	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF IN 2
9400 / 9399	DEF AT local marker foram decrease	DEF IN 2
9640 / 9639	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
9820 / 9819	DEF AT - - - - -	DEF AT 3
9970 / 9969	DEF AT local marker foram decrease	DEF IN 2
10120 / 10119	DEF AT local marker foram increase	DEF AT 3
10180 / 10179	DEF AT local marker foram decrease	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 381	Date of Summary: 02-SEP-1996	First Sample Examined: 7000
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 15128
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14968
API Well Number: 177044083600	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 7000 - 15128	Water Depth: 446
Public Info Code: Y 24-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10720 / 10719	DEF AT local marker foram increase	DEF AT 2
10750 / 10749	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 3
10960 / 10959	DEF AT faunal change (no faunal increase)	DEF AT 2
11320 / 11319	POS AT local marker foram increase	DEF AT 2
11830 / 11826	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
12040 / 12032	DEF AT faunal change (no faunal increase)	DEF AT 2
12130 / 12119	DEF AT local marker foram increase	DEF IN 2
12160 / 12148	DEF AT local marker foram decrease	DEF IN 2
12250 / 12235	DEF AT local marker benthic foram increase	DEF IN 2
12310 / 12293	DEF AT local marker foram decrease	DEF IN 2
12400 / 12379	DEF AT local marker foram increase	DEF IN 2
12490 / 12465	DEF AT Arenaceous fauna (local marker)	DEF AT 3
12550 / 12522	DEF AT local marker foram decrease	DEF AT 3
12640 / 12609	DEF AT faunal change (no faunal increase)	DEF IN 2
12790 / 12753	DEF AT Bathysiphon fauna	DEF IN 2
12820 / 12781	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 2
12850 / 12810	DEF AT faunal change (no faunal increase)	DEF AT 3
12970 / 12925	DEF AT local marker foram decrease	DEF AT 3
13120 / 13068	DEF AT local marker foram decrease	DEF AT 3
13330 / 13268	POS AT local marker foram increase	DEF AT 3
14320 / 14214	DEF AT local marker planktic foram increase	DEF AT 3
14440 / 14330	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 3
14470 / 14358	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
14590 / 14472	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EC 381	Date of Summary: 02-SEP-1996	First Sample Examined: 7000
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 15128
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14968
API Well Number: 177044083600	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 7000 - 15128	Water Depth: 446
Public Info Code: Y 24-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14650 / 14528	DEF AT Eggerella sp. (local marker)	DEF IN 3
14890 / 14750	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF IN 3
14920 / 14777	DEF AT local marker foram decrease	DEF IN 3
14980 / 14832	DEF AT - - - - -	DEF AT 3
15070 / 14915	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 30	Date of Summary: 19-MAY-1997	First Sample Examined: 0
Lease Number: G09574	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12000
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 11998
API Well Number: 177094107600	Drilling Operator: PEL-TEX OIL COMPANY	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 14
Public Info Code: Y 29-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11371 / 11370	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 33	Date of Summary: 21-FEB-1997	First Sample Examined: 10020
Lease Number: G03560	Source of Paleo: OPERATOR	Borehole MD: 15253
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15071
API Well Number: 177094112800	Drilling Operator: COCKRELL OIL AND GAS L P	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 10020 - 15240	Water Depth: 10
Public Info Code: Y 31-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10020 / 10018	DEF AT first sample examined	DEF AT 2
10021 / 10019	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
11040 / 11038	DEF AT local marker benthic foram increase	DEF AT 3
11190 / 11188	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
11640 / 11638	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
12990 / 12988	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 4
13950 / 13922	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
14550 / 14472	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT 4
14580 / 14498	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
14790 / 14680	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
15240 / 15060	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 40	Date of Summary: 08-MAR-2004	First Sample Examined: 10000
Lease Number: G21635	Source of Paleo: OPERATOR	Borehole MD: 14638
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14632
API Well Number: 177094139300	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 10000 - 14620	Water Depth: 9
Public Info Code: Y 30-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9999	DEF AT first sample examined	DEF AT 1
10090 / 10089	DEF IN Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 3
10240 / 10239	DEF AT -----	DEF AT 1
10600 / 10599	POS AT -----	POS AT 1
10720 / 10719	DEF AT -----	DEF AT 2
10840 / 10839	DEF AT -----	DEF IN 2
10960 / 10959	DEF AT -----	DEF AT 1
11200 / 11199	DEF AT -----	DEF AT 2
11320 / 11319	DEF AT -----	DEF AT 1
11440 / 11439	DEF AT -----	DEF AT 2
11560 / 11559	DEF AT -----	DEF AT 1
11799 / 11797	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 3
11800 / 11798	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
11920 / 11918	DEF AT -----	DEF AT 2
12160 / 12158	DEF AT -----	DEF AT 3
12280 / 12278	DEF AT -----	DEF AT 2
12460 / 12457	DEF AT -----	DEF AT 3
12520 / 12517	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
12640 / 12637	DEF AT -----	DEF AT 2
12700 / 12697	DEF AT -----	DEF AT 1
12820 / 12817	DEF AT -----	DEF AT 3
12940 / 12937	DEF AT -----	DEF IN 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 40	Date of Summary: 08-MAR-2004	First Sample Examined: 10000
Lease Number: G21635	Source of Paleo: OPERATOR	Borehole MD: 14638
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14632
API Well Number: 177094139300	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 10000 - 14620	Water Depth: 9
Public Info Code: Y 30-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
13150 / 13146	DEF AT Arenaceous fauna (local marker)	DEF IN 2
13360 / 13356	DEF AT -----	DEF AT 1
13420 / 13416	DEF AT -----	POS AT 1
13480 / 13476	DEF AT -----	DEF AT 1
13540 / 13536	DEF AT -----	DEF AT 2
13600 / 13596	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
14020 / 14015	DEF AT -----	DEF AT 1
14080 / 14075	DEF AT -----	POS AT 1
14170 / 14165	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 4
14380 / 14374	DEF AT -----	DEF AT 3
14500 / 14494	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
14620 / 14614	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 40	Date of Summary: 08-MAR-2004	First Sample Examined: 15500
Lease Number: G21635	Source of Paleo: OPERATOR	Borehole MD: 21332
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21283
API Well Number: 177094139302	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 15500 - 21332	Water Depth: 10
Public Info Code: Y 30-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14290 / 14286	DEF AT first sample examined	DEF AT 4
14500 / 14496	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
14560 / 14555	DEF AT faunal change (no faunal increase)	DEF AT 3
14710 / 14705	DEF AT faunal change (no faunal increase)	POS AT 3
15190 / 15184	DEF AT faunal change (no faunal increase)	DEF AT 4
15550 / 15543	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
15580 / 15573	DEF AT faunal change (no faunal increase)	DEF AT 3
15729 / 15722	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 4
15730 / 15723	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
17110 / 17100	DEF AT faunal change (no faunal increase)	DEF AT 3
17230 / 17219	DEF AT faunal change (no faunal increase)	DEF AT 4
17350 / 17339	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
17680 / 17668	DEF AT faunal change (no faunal increase)	DEF AT 3
17860 / 17847	DEF AT faunal change (no faunal increase)	DEF AT 4
18429 / 18416	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT 4
18430 / 18417	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
19359 / 19341	DEF IN Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT 4
19360 / 19342	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
19870 / 19840	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
19990 / 19957	DEF AT faunal change (no faunal increase)	DEF AT 4
20110 / 20075	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
20380 / 20340	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 40	Date of Summary: 08-MAR-2004	First Sample Examined: 15500
Lease Number: G21635	Source of Paleo: OPERATOR	Borehole MD: 21332
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21283
API Well Number: 177094139302	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 15500 - 21332	Water Depth: 10
Public Info Code: Y 30-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20410 / 20369	DEF AT faunal change (no faunal increase)	DEF AT 4
20680 / 20636	DEF AT faunal change (no faunal increase)	POS AT 4
21010 / 20963	DEF AT faunal change (no faunal increase)	DEF AT 4
21100 / 21053	DEF AT faunal change (no faunal increase)	POS AT 4
21250 / 21202	DEF AT faunal change (no faunal increase)	DEF AT 4
21332 / 21283	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 42	Date of Summary: 04-APR-1997	First Sample Examined: 0
Lease Number: G04858	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14060
Well Name: 007	Paleo Done By: OPERATOR	Borehole TVD: 14057
API Well Number: 177094110700	Drilling Operator: EL PASO PRODUCTION COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 14
Public Info Code: Y 13-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11485 / 11484	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
12920 / 12919	DEF AT unconformity	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 43	Date of Summary: 14-FEB-2000	First Sample Examined: 0
Lease Number: G17958	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11825
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11347
API Well Number: 177094118500	Drilling Operator: FOREST OIL CORPORATION	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 14
Public Info Code: Y 23-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9026 / 9025	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
9551 / 9537	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
10230 / 10149	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
11664 / 11237	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 45	Date of Summary: 30-OCT-2000	First Sample Examined: 0
Lease Number: G19785	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11352
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11162
API Well Number: 177094129300	Drilling Operator: WESTPORT RESOURCES CORPORATION	Rkb Elevation: 113
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 23
Public Info Code: Y 06-JUL-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6494 / 6494	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
8040 / 8040	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10496 / 10426	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 45	Date of Summary: 15-JAN-2001	First Sample Examined: 0
Lease Number: G19785	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13589
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 10915
API Well Number: 177094129500	Drilling Operator: WESTPORT RESOURCES CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 23
Public Info Code: Y 06-JUL-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9458 / 9178	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
10310 / 9570	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
12200 / 10340	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 46	Date of Summary: 21-FEB-1997	First Sample Examined: 0
Lease Number: G13617	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11100
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 11100
API Well Number: 177094111500	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 137
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 21
Public Info Code: Y 19-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7430 / 7429	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
8650 / 8649	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
9300 / 9299	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10400 / 10399	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 49	Date of Summary: 26-SEP-2000	First Sample Examined: 0
Lease Number: G17959	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16963
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 16600
API Well Number: 177094128800	Drilling Operator: HUNT PETROLEUM (AEC) INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 20
Public Info Code: Y 26-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
10740 / 10738	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
11715 / 11713	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
13470 / 13468	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
14010 / 14004	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
14816 / 14754	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 50	Date of Summary: 06-JUL-2000	First Sample Examined: 0
Lease Number: G17960	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17275
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16369
API Well Number: 177094122902	Drilling Operator: HUNT PETROLEUM (AEC) INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 23
Public Info Code: Y 05-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10480 / 10478	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
11500 / 11476	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
13840 / 13437	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
14980 / 14405	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
16000 / 15281	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 53	Date of Summary: 30-JUN-1997	First Sample Examined: 0
Lease Number: 00479	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14265
Well Name: 010	Paleo Done By: OPERATOR	Borehole TVD: 14105
API Well Number: 177094113000	Drilling Operator: FOREST OIL CORPORATION	Rkb Elevation: 77
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 19
Public Info Code: Y 29-MAR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9060 / 9059	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9210 / 9209	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
11820 / 11817	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12630 / 12597	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 53	Date of Summary: 30-JUN-1997	First Sample Examined: 0
Lease Number: 00479	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12722
Well Name: 011	Paleo Done By: OPERATOR	Borehole TVD: 12722
API Well Number: 177094114500	Drilling Operator: FOREST OIL CORPORATION	Rkb Elevation: 76
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 20
Public Info Code: Y 01-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9925 /	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11090 /	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12030 /	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
12610 /	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 53	Date of Summary: 30-JUL-2001	First Sample Examined: 0
Lease Number: 00479	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14388
Well Name: 012	Paleo Done By: OPERATOR	Borehole TVD: 14324
API Well Number: 177094115300	Drilling Operator: FOREST OIL CORPORATION	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 20
Public Info Code: Y 12-SEP-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10100 / 10093	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11090 / 11081	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12610 / 12596	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
13365 / 13350	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 71	Date of Summary: 25-NOV-1998	First Sample Examined: 0
Lease Number: G12906	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11800
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 11797
API Well Number: 177094109400	Drilling Operator: PETROBRAS AMERICA INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 22
Public Info Code: Y 08-JUN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11506 / 11503	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 74	Date of Summary: 18-AUG-1997	First Sample Examined: 9500
Lease Number: G02099	Source of Paleo: OPERATOR	Borehole MD: 16609
Well Name: 008	Paleo Done By: OPERATOR	Borehole TVD: 15013
API Well Number: 177094112900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 9500 - 16580	Water Depth: 18
Public Info Code: Y 13-MAY-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
9500 / 9498	DEF AT first sample examined	DEF AT 1
9560 / 9558	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 1
9561 / 9559	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 1
9680 / 9677	DEF AT - - - - -	DEF AT 2
9770 / 9767	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
9860 / 9857	DEF AT - - - - -	DEF AT 1
10760 / 10747	DEF AT - - - - -	DEF IN 1
12470 / 12283	DEF AT - - - - -	DEF AT 2
12920 / 12636	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
13100 / 12770	DEF AT - - - - -	DEF IN 1
13610 / 13135	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 2
13730 / 13219	DEF AT - - - - -	DEF AT 3
15170 / 14105	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF IN 2
15530 / 14320	DEF AT - - - - -	DEF AT 3
15920 / 14553	DEF AT - - - - -	DEF IN 1
16580 / 14991	DEF AT last sample examined	DEF IN 1

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 87	Date of Summary: 10-JUL-2001	First Sample Examined: 0
Lease Number: G09580	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18125
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 18058
API Well Number: 177094127300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 131
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 23
Public Info Code: Y 12-SEP-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13940 / 13935	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
15570 / 15520	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 87	Date of Summary: 15-JAN-1996	First Sample Examined: 0
Lease Number: G09580	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17422
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 17412
API Well Number: 177094103500	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 18
Public Info Code: Y 29-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14200 / 14198	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 88	Date of Summary: 21-DEC-1995	First Sample Examined: 7590
Lease Number: G10721	Source of Paleo: OPERATOR	Borehole MD: 13300
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 12140
API Well Number: 177094107500	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 7590 - 13290	Water Depth: 15
Public Info Code: Y 28-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7590 / 7586	DEF AT first sample examined	DEF AT 1
8790 / 8697	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
9930 / 9605	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
11040 / 10424	DEF AT - - - - -	DEF AT 3
11460 / 10752	DEF AT - - - - -	DEF AT 2
12030 / 11193	DEF AT - - - - -	DEF AT 3
12600 / 11624	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
13290 / 12132	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 90	Date of Summary: 09-JUN-2000	First Sample Examined: 0
Lease Number: 00229	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10335
Well Name: 012	Paleo Done By: OPERATOR	Borehole TVD: 9884
API Well Number: 177094103001	Drilling Operator: GULFSTREAM RESOURCES, INC.	Rkb Elevation: 131
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 21
Public Info Code: Y 30-MAY-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8610 / 8379	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9030 / 8788	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10010 /	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 93	Date of Summary: 21-DEC-1995	First Sample Examined: 8980
Lease Number: 00228	Source of Paleo: OPERATOR	Borehole MD: 15409
Well Name: 013	Paleo Done By: OPERATOR	Borehole TVD: 15103
API Well Number: 177094106000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 8980 - 15409	Water Depth: 25
Public Info Code: Y 08-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
8980 / 8967	DEF AT first sample examined	DEF AT 3
9070 / 9054	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
10120 / 10070	DEF AT - - - - -	DEF AT 1
10810 / 10733	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
11830 / 11708	DEF AT - - - - -	DEF AT 3
12220 / 12085	DEF AT - - - - -	DEF AT 2
12880 / 12718	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
13780 / 13583	DEF AT - - - - -	DEF AT 2
14290 / 14066	DEF AT - - - - -	DEF AT 3
15409 / 15102	DEF AT last sample examined	DEF AT 2

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 95	Date of Summary: 12-OCT-1995	First Sample Examined: 5574
Lease Number: 00046	Source of Paleo: OPERATOR	Borehole MD: 10795
Well Name: 015	Paleo Done By: OPERATOR	Borehole TVD: 10673
API Well Number: 177094102801	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 5574 - 12922	Water Depth: 20
Public Info Code: Y 17-JAN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5574 / 5574	DEF AT first sample examined	DEF AT 1
6303 / 6300	DEF AT local marker foram increase	DEF AT 1
7621 / 7607	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
7746 / 7731	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
7874 / 7857	DEF AT local marker foram increase	DEF AT 3
8446 / 8424	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
8830 / 8804	DEF AT - - - - -	DEF AT 2
9130 / 9101	DEF AT - - - - -	DEF AT 3
9700 / 9664	DEF AT - - - - -	DEF AT 2
9850 / 9811	DEF AT - - - - -	DEF AT 3
10818 /	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 3
10945 /	DEF AT - - - - -	DEF AT 1
11675 /	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
11845 /	DEF AT - - - - -	DEF AT 1
12510 /	DEF AT - - - - -	DEF AT 2
12922 /	DEF AT last sample examined	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 95	Date of Summary: 08-AUG-1995	First Sample Examined: 9200
Lease Number: 00046	Source of Paleo: OPERATOR	Borehole MD: 13592
Well Name: 017	Paleo Done By: OPERATOR	Borehole TVD: 13546
API Well Number: 177094104800	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 70
Paleo Report Num: 1 of 1	Sample Range: 9200 - 13570	Water Depth: 20
Public Info Code: Y 05-MAY-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
9200 / 9197	DEF AT first sample examined	DEF AT 2
9249 / 9246	DEF AT local marker foram increase	DEF AT 2
10235 / 10210	DEF AT -----	DEF IN 1
10640 / 10604	DEF AT -----	DEF AT 2
10670 / 10634	DEF AT -----	DEF AT 3
11120 / 11081	DEF AT -----	DEF IN 2
11330 / 11291	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
12290 / 12250	DEF AT -----	DEF IN 3
12347 / 12307	DEF AT -----	DEF AT 3
12910 / 12869	DEF AT -----	DEF IN 3
13570 / 13525	DEF AT last sample examined	DEF IN 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 95	Date of Summary: 10-AUG-1995	First Sample Examined: 7500
Lease Number: 00046	Source of Paleo: OPERATOR	Borehole MD: 12460
Well Name: 018	Paleo Done By: OPERATOR	Borehole TVD: 11308
API Well Number: 177094106900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 7500 - 12430	Water Depth: 15
Public Info Code: Y 27-SEP-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7500 / 7333	DEF AT first sample examined	DEF AT 2
8190 / 7893	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 2
8460 / 8108	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 2
9360 / 8832	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
10110 / 9434	DEF AT -----	DEF IN 2
10340 / 9619	DEF AT -----	DEF AT 3
10760 / 9956	DEF AT -----	DEF IN 2
11180 / 10288	DEF AT -----	DEF AT 2
11750 / 10744	DEF AT -----	DEF AT 3
12430 / 11284	DEF AT last sample examined	DEF AT 2

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 107	Date of Summary: 08-MAY-1997	First Sample Examined: 7990
Lease Number: G15241	Source of Paleo: OPERATOR	Borehole MD: 17800
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17795
API Well Number: 177094109000	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 7990 - 17800	Water Depth: 30
Public Info Code: Y 26-MAY-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7990 / 7989	DEF AT first sample examined	DEF AT 2
8560 / 8559	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
10420 / 10418	POS AT local marker planktic foram increase	DEF AT 3
11559 / 11557	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 4
11560 / 11558	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
11590 / 11588	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
11620 / 11618	DEF AT Bathysiphon fauna	DEF AT 4
11650 / 11648	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
11950 / 11948	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
12220 / 12218	POS AT local marker foram decrease	DEF AT 3
13480 / 13478	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
16150 / 16146	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
17800 / 17796	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 108	Date of Summary: 19-NOV-1997	First Sample Examined: 0
Lease Number: G15241	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17350
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 16558
API Well Number: 177094112100	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 33
Public Info Code: Y 27-FEB-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10100 / 10099	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
11410 / 11409	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11760 / 11759	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
13880 / 13856	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 118	Date of Summary: 25-JUL-1996	First Sample Examined: 8000
Lease Number: G15242	Source of Paleo: OPERATOR	Borehole MD: 18350
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18328
API Well Number: 177094109800	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 8000 - 18350	Water Depth: 34
Public Info Code: Y 09-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
8000 / 7999	DEF AT first sample examined	DEF AT 2
9800 / 9798	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
11570 / 11566	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
11600 / 11596	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
11690 / 11686	POS AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 4
11720 / 11716	POS AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
11810 / 11806	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
11900 / 11896	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
11960 / 11956	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
12620 / 12616	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
18350 / 18328	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 128A	Date of Summary: 03-NOV-1999	First Sample Examined: 0
Lease Number: 00442	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13607
Well Name: JE024	Paleo Done By: OPERATOR	Borehole TVD: 13400
API Well Number: 177094111300	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 51
Public Info Code: Y 19-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6695 / 6571	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
8130 / 7996	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9330 / 9190	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 133	Date of Summary: 06-JUN-1996	First Sample Examined: 11690
Lease Number: G04445	Source of Paleo: OPERATOR	Borehole MD: 17800
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17766
API Well Number: 177094108200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 11690 - 17800	Water Depth: 65
Public Info Code: Y 03-MAY-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
11690 / 11689	DEF AT first sample examined	DEF IN 2
11870 / 11869	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 2
12080 / 12079	DEF AT - - - - -	DEF IN 1
12290 / 12289	DEF IN Upper Miocene (Messinian) Discoaster quinquaramus	DEF IN 1
12470 / 12469	DEF AT - - - - -	DEF IN 2
13050 / 13048	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
13560 / 13558	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 2
13620 / 13618	DEF AT - - - - -	DEF AT 4
13680 / 13678	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
13710 / 13708	DEF AT - - - - -	DEF IN 1
14310 / 14307	DEF AT - - - - -	DEF AT 3
14760 / 14757	DEF AT - - - - -	DEF AT 4
14820 / 14817	DEF AT - - - - -	DEF IN 2
15570 / 15566	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
15960 / 15955	DEF AT - - - - -	DEF AT 4
15990 / 15985	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
16080 / 16074	DEF AT - - - - -	DEF IN 2
17400 / 17374	DEF AT - - - - -	DEF AT 1
17730 / 17697	DEF AT - - - - -	DEF AT 2
17800 / 17765	DEF AT last sample examined	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 133	Date of Summary: 06-JUN-1996	First Sample Examined: 15500
Lease Number: G04445	Source of Paleo: OPERATOR	Borehole MD: 17726
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17137
API Well Number: 177094108201	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 15500 - 17720	Water Depth: 65
Public Info Code: Y 23-MAY-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
15500 / 15496	DEF AT first sample examined	DEF IN 2
15620 / 15616	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 2
16010 / 15999	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 2
17120 / 16788	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF IN 2
17150 / 16805	DEF AT -----	DEF IN 1
17450 / 16980	DEF AT -----	DEF IN 2
17510 / 17014	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 2
17720 / 17134	DEF AT last sample examined	DEF IN 2

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 135	Date of Summary: 01-SEP-1997	First Sample Examined: 13500
Lease Number: G14467	Source of Paleo: OPERATOR	Borehole MD: 19431
Well Name: A002	Paleo Done By: STORK & ASS.	Borehole TVD: 18930
API Well Number: 177094113700	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 12000 - 19431	Water Depth: 68
Public Info Code: Y 06-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 / 13396	DEF AT first sample examined	DEF IN 1
13501 / 13397	DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF IN 1
14100 / 13965	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 2
14280 / 14138	DEF AT - - - - -	DEF IN 1
14370 / 14224	DEF AT Arenaceous fauna (local marker)	DEF IN 1
14430 / 14280	DEF AT - - - - -	DEF AT 2
14730 / 14562	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 3
14970 / 14784	DEF AT - - - - -	DEF AT 3
15000 / 14811	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
15360 / 15141	DEF AT Arenaceous fauna (local marker)	DEF AT 3
15420 / 15196	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
15720 / 15475	DEF AT - - - - -	DEF IN 3
15869 / 15614	DEF AT Eggerella 3 (local marker)	DEF AT 3
15870 / 15615	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
16110 / 15838	DEF AT Bathysiphon fauna	DEF AT 3
16260 / 15976	DEF AT local marker planktic foram increase	DEF IN 3
16530 / 16221	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 3
16560 / 16248	DEF AT local marker deep water fauna	DEF AT 4
16830 / 16489	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
16950 / 16597	POS AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 4
17069 / 16706	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
17070 / 16706	DEF IN Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 135	Date of Summary: 01-SEP-1997	First Sample Examined: 13500
Lease Number: G14467	Source of Paleo: OPERATOR	Borehole MD: 19431
Well Name: A002	Paleo Done By: STORK & ASS.	Borehole TVD: 18930
API Well Number: 177094113700	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 12000 - 19431	Water Depth: 68
Public Info Code: Y 06-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
17310 / 16931	DEF AT - - - - -	DEF IN 3
17430 / 17044	DEF AT Arenaceous fauna (local marker)	DEF AT 4
17640 / 17242	DEF AT - - - - -	DEF IN 3
17760 / 17354	DEF AT local marker planktic foram increase	DEF AT 4
17970 / 17551	DEF AT Arenaceous fauna (local marker)	DEF AT 4
18029 / 17607	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 4
18030 / 17608	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
18360 / 17917	DEF AT local marker benthic foram increase	DEF AT 4
18510 / 18058	DEF AT local marker benthic foram increase	DEF AT 4
19260 / 18769	DEF AT local marker benthic foram increase	DEF AT 4
19400 / 18902	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 147	Date of Summary: 04-MAR-1996	First Sample Examined: 0
Lease Number: G15243	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13777
API Well Number: 177094108500	Drilling Operator: AMERICAN EXPLORER INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 55
Public Info Code: Y 27-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11012 / 10975	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
12590 / 12427	DEF IN Upper Miocene (Tortonian) Textularia 6	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 147	Date of Summary: 06-DEC-2000	First Sample Examined: 0
Lease Number: G15243	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16606
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 16272
API Well Number: 177094128101	Drilling Operator: PETROQUEST ENERGY LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 53
Public Info Code: Y 18-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15750 / 15445	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 176	Date of Summary: 15-DEC-1995	First Sample Examined: 7790
Lease Number: 00445	Source of Paleo: OPERATOR	Borehole MD: 9583
Well Name: JA013	Paleo Done By: OPERATOR	Borehole TVD: 9332
API Well Number: 177094105501	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 7790 - 9548	Water Depth: 80
Public Info Code: Y 30-JAN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7790 / 7546	DEF AT first sample examined	POS AT 2
8269 / 8019	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 2
9162 / 8912	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
9548 / 9297	DEF AT last sample examined	DEF AT 2

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 190	Date of Summary: 25-MAR-2004	First Sample Examined: 4230
Lease Number: G08434	Source of Paleo: OPERATOR	Borehole MD: 8501
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8171
API Well Number: 177094138802	Drilling Operator: MILLENNIUM OFFSHORE GROUP INC	Rkb Elevation: 130
Paleo Report Num: 1 of 2	Sample Range: 4230 - 8490	Water Depth: 70
Public Info Code: Y 18-MAR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4230 / 4052	DEF AT first sample examined	POS AT 3
4231 / 4053	DEF AT cement	POS AT 3
4410 / 4218	DEF AT - - - -	DEF AT 3
4439 / 4245	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
4440 / 4246	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
4739 / 4523	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 3
4740 / 4524	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
4859 / 4635	DEF AT anhydrite	DEF AT 3
4860 / 4636	DEF AT salt	DEF AT 3
4950 / 4721	DEF AT out-of-place section	POS AT 3
5310 / 5066	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 3
5670 / 5414	DEF AT out-of-place section	DEF AT 3
5970 / 5701	DEF AT sample gap top	POS AT 3
6330 / 6044	DEF AT sample gap bottom	DEF AT 3
7440 / 7114	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
8160 / 7831	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
8490 / 8160	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 190	Date of Summary: 25-MAR-2004	First Sample Examined: 4230
Lease Number: G08434	Source of Paleo: OPERATOR	Borehole MD: 8501
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8171
API Well Number: 177094138802	Drilling Operator: MILLENNIUM OFFSHORE GROUP INC	Rkb Elevation: 130
Paleo Report Num: 2 of 2	Sample Range: 4230 - 8490	Water Depth: 70
Public Info Code: Y 18-MAR-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4230 / 4052	DEF AT first sample examined	DEF AT
4290 / 4107	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
4710 / 4496	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
4800 / 4580	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
4889 / 4664	DEF AT salt	DEF AT
4890 / 4665	DEF AT out-of-place section	DEF AT
5970 / 5701	DEF AT sample gap top	DEF AT
6330 / 6044	DEF AT sample gap bottom	DEF AT
6930 / 6619	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
7860 / 7531	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
8490 / 8160	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 190	Date of Summary: 22-OCT-2004	First Sample Examined: 8820
Lease Number: G08434	Source of Paleo: OPERATOR	Borehole MD: 18095
Well Name: A007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18065
API Well Number: 177094142300	Drilling Operator: MILLENNIUM OFFSHORE GROUP INC	Rkb Elevation: 131
Paleo Report Num: 1 of 2	Sample Range: 8820 - 18095	Water Depth: 71
Public Info Code: Y 18-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8820 / 8806	DEF AT first sample examined	DEF AT 3
8821 / 8807	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 3
11790 / 11761	DEF AT - - - - -	DEF AT 4
13170 / 13141	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
14610 / 14581	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15270 / 15241	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
15390 / 15361	DEF AT - - - - -	DEF AT 6
15899 / 15870	DEF IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
15900 / 15871	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
17910 / 17880	POS IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 6
17940 / 17910	DEF AT - - - - -	DEF AT 5
18095 / 18065	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 190	Date of Summary: 22-OCT-2004	First Sample Examined: 13500
Lease Number: G08434	Source of Paleo: OPERATOR	Borehole MD: 18095
Well Name: A007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18065
API Well Number: 177094142300	Drilling Operator: MILLENNIUM OFFSHORE GROUP INC	Rkb Elevation: 131
Paleo Report Num: 2 of 2	Sample Range: 13500 - 18095	Water Depth: 71
Public Info Code: Y 18-MAR-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 / 13471	DEF AT first sample examined	DEF AT
13501 / 13472	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14940 / 14911	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15840 / 15811	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
17790 / 17760	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
18095 / 18065	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 213	Date of Summary: 15-JUN-2004	First Sample Examined: 5310
Lease Number: G21639	Source of Paleo: OPERATOR	Borehole MD: 19820
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19819
API Well Number: 177094140700	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 105
Paleo Report Num: 1 of 2	Sample Range: 5310 - 19770	Water Depth: 90
Public Info Code: Y 01-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5310 / 5310	DEF AT first sample examined	POS AT 3
5311 / 5311	DEF AT cement	POS AT 3
5380 / 5380	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
6490 / 6490	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
9370 / 9370	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
11200 / 11200	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
11890 / 11890	DEF AT - - - - -	DEF AT 4
11980 / 11980	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
12010 / 12010	DEF AT - - - - -	DEF AT 3
13630 / 13630	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
13660 / 13660	DEF AT - - - - -	DEF AT 4
15760 / 15760	DEF AT - - - - -	DEF AT 5
15820 / 15820	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
16390 / 16389	DEF AT - - - - -	DEF AT 6
16630 / 16629	DEF AT - - - - -	DEF AT 5
17350 / 17349	DEF AT - - - - -	DEF AT 6
17830 / 17829	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
19389 / 19388	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
19390 / 19389	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
19770 / 19769	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 213	Date of Summary: 15-JUN-2004	First Sample Examined: 11980
Lease Number: G21639	Source of Paleo: OPERATOR	Borehole MD: 19820
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19819
API Well Number: 177094140700	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 105
Paleo Report Num: 2 of 2	Sample Range: 11980 - 19770	Water Depth: 90
Public Info Code: Y 01-JUL-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11980 / 11980	DEF AT first sample examined	DEF AT
11981 / 11981	POS IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13660 / 13660	DEF AT local marker floral increase	DEF AT
14680 / 14680	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15460 / 15460	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
17110 / 17109	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17440 / 17439	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17830 / 17829	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
17860 / 17859	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19360 / 19359	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19770 / 19769	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 213	Date of Summary: 03-SEP-2004	First Sample Examined: 19555
Lease Number: G21639	Source of Paleo: OPERATOR	Borehole MD: 21021
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21002
API Well Number: 177094140701	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 105
Paleo Report Num: 1 of 2	Sample Range: 19555 - 21010	Water Depth: 90
Public Info Code: Y 01-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19555 / 19537	DEF AT first sample examined	DEF AT
19556 / 19538	DEF AT cement	DEF AT
20500 / 20482	DEF AT - - - - -	DEF AT 6
20650 / 20631	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
21010 / 20991	DEF AT last sample examined	DEF AT 6

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 213	Date of Summary: 03-SEP-2004	First Sample Examined: 19555
Lease Number: G21639	Source of Paleo: OPERATOR	Borehole MD: 21021
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21002
API Well Number: 177094140701	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 105
Paleo Report Num: 2 of 2	Sample Range: 19555 - 21010	Water Depth: 90
Public Info Code: Y 01-JUL-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19555 / 19537	DEF AT first sample examined	DEF AT
20530 / 20512	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20770 / 20751	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21010 / 20991	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 224	Date of Summary: 03-JUL-1997	First Sample Examined: 0
Lease Number: G05504	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14320
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 13457
API Well Number: 177094111600	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 136
Public Info Code: Y 22-MAY-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9465 / 9344	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
11115 / 10758	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
13560 / 12813	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 224	Date of Summary: 29-SEP-1997	First Sample Examined: 0
Lease Number: G05504	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14752
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 14251
API Well Number: 177094112500	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 139
Public Info Code: Y 13-MAR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12735 / 12537	DEF IN Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT
13370 / 13085	DEF AT local marker benthic foram increase	DEF AT
14050 / 13664	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 229	Date of Summary: 26-FEB-1996	First Sample Examined: 7366
Lease Number: G05505	Source of Paleo: OPERATOR	Borehole MD: 18316
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 18307
API Well Number: 177094107300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 7366 - 18316	Water Depth: 120
Public Info Code: Y 05-DEC-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
7366 / 7365	DEF AT first sample examined	DEF AT 2
7380 / 7379	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 2
7950 / 7949	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
8010 / 8009	DEF AT -----	DEF IN 2
8250 / 8249	DEF AT -----	DEF AT 4
8340 / 8339	DEF AT -----	DEF AT 3
8490 / 8489	DEF AT -----	DEF IN 2
8580 / 8579	DEF AT -----	DEF AT 2
8690 / 8689	DEF AT -----	DEF IN 1
9750 / 9749	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 1
12260 / 12259	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12390 / 12389	DEF AT -----	DEF IN 1
14430 / 14427	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
14610 / 14606	DEF AT -----	DEF IN 2
15930 / 15924	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 2
17910 / 17901	DEF AT -----	DEF AT 4
18000 / 17991	DEF AT -----	DEF AT 3
18316 / 18306	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 229	Date of Summary: 10-MAR-1998	First Sample Examined: 14400
Lease Number: G05505	Source of Paleo: OPERATOR	Borehole MD: 17460
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 17189
API Well Number: 177094107301	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 118
Paleo Report Num: 1 of 1	Sample Range: 14400 - 17460	Water Depth: 151
Public Info Code: Y 18-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14400 / 14397	DEF AT first sample examined	DEF AT 3
14850 / 14834	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
15540 / 15474	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 3
15570 / 15501	DEF AT - - - - -	DEF AT 2
16380 / 16216	DEF AT - - - - -	DEF AT 3
16680 / 16482	DEF AT - - - - -	DEF AT 2
17460 / 17189	DEF AT last sample examined	DEF AT 2

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 237	Date of Summary: 05-MAR-1997	First Sample Examined: 8030
Lease Number: G00981	Source of Paleo: OPERATOR	Borehole MD: 9250
Well Name: K004	Paleo Done By: OPERATOR	Borehole TVD: 7465
API Well Number: 177094110500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 8030 - 9240	Water Depth: 139
Public Info Code: Y 20-SEP-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8030 / 6246	DEF AT first sample examined	DEF AT
8031 / 6247	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9240 / 7454	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 238	Date of Summary: 02-JAN-1995	First Sample Examined: 5180
Lease Number: G00982	Source of Paleo: OPERATOR	Borehole MD: 11078
Well Name: E007	Paleo Done By: OPERATOR	Borehole TVD: 9974
API Well Number: 177094103800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 5180 - 11060	Water Depth: 125
Public Info Code: Y 02-JAN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
5180 / 4760	DEF AT first sample examined	DEF AT 1
5370 / 4924	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 1
5840 / 5327	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 1
6650 / 6035	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 1
7040 / 6377	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 1
7520 / 6797	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 1
7760 / 7008	DEF AT - - - -	DEF AT 2
8420 / 7583	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
9080 / 8158	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 2
9890 / 8880	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
10460 / 9396	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 2
11060 / 9949	DEF AT last sample examined	DEF AT 2

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 238	Date of Summary: 12-AUG-1995	First Sample Examined: 7000
Lease Number: G00982	Source of Paleo: OPERATOR	Borehole MD: 12420
Well Name: E008	Paleo Done By: OPERATOR	Borehole TVD: 10789
API Well Number: 177094104500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 7000 - 12400	Water Depth: 127
Public Info Code: Y 07-MAR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
7000 / 6297	DEF AT first sample examined	DEF AT 1
7120 / 6397	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 1
7210 / 6472	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 1
7390 / 6621	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 1
7750 / 6919	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 1
7810 / 6968	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 1
8110 / 7216	DEF AT - - - - -	DEF AT 2
8380 / 7440	DEF IN Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 2
8470 / 7514	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 2
8889 / 7856	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 3
8890 / 7856	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
9550 / 8403	DEF AT - - - - -	DEF AT 2
10150 / 8902	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 2
11680 / 10169	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 2
12400 / 10773	DEF AT last sample examined	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 238	Date of Summary: 10-MAR-1998	First Sample Examined: 11040
Lease Number: G00982	Source of Paleo: OPERATOR	Borehole MD: 12643
Well Name: H002	Paleo Done By: OPERATOR	Borehole TVD: 11695
API Well Number: 177094036901	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 122
Paleo Report Num: 1 of 2	Sample Range: 11040 - 12640	Water Depth: 140
Public Info Code: Y 27-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11040 / 10210	DEF AT first sample examined	DEF AT 2
11820 / 10918	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
12640 / 11692	DEF AT last sample examined	DEF AT 2

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 238	Date of Summary: 10-MAR-1998	First Sample Examined: 9000
Lease Number: G00982	Source of Paleo: OPERATOR	Borehole MD: 12643
Well Name: H002	Paleo Done By: OPERATOR	Borehole TVD: 11695
API Well Number: 177094036901	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 122
Paleo Report Num: 2 of 2	Sample Range: 9000 - 12300	Water Depth: 140
Public Info Code: Y 27-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Bypass 1 report, company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
9000 / 8423	DEF AT first sample examined	DEF AT 2
9150 / 8551	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
9210 / 8603	DEF AT - - - - -	DEF AT 1
9990 / 9290	DEF AT - - - - -	DEF AT 2
10290 / 9554	DEF AT - - - - -	DEF AT 1
10350 / 9606	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 1
12300 / 11370	DEF AT last sample examined	DEF AT 1

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 238	Date of Summary: 18-AUG-1997	First Sample Examined: 10890
Lease Number: G00982	Source of Paleo: OPERATOR	Borehole MD: 13016
Well Name: H003	Paleo Done By: OPERATOR	Borehole TVD: 12126
API Well Number: 177094038002	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 122
Paleo Report Num: 1 of 2	Sample Range: 10890 - 12960	Water Depth: 140
Public Info Code: Y 09-AUG-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10890 / 10315	DEF AT first sample examined	DEF AT
10950 / 10365	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12960 / 12076	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 238	Date of Summary: 10-MAR-1998	First Sample Examined: 10860
Lease Number: G00982	Source of Paleo: OPERATOR	Borehole MD: 13016
Well Name: H003	Paleo Done By: OPERATOR	Borehole TVD: 12126
API Well Number: 177094038002	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 122
Paleo Report Num: 2 of 2	Sample Range: 10860 - 12960	Water Depth: 140
Public Info Code: Y 09-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: No diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10860 / 10289	DEF AT first sample examined	DEF AT 1
11100 / 10493	DEF AT -----	DEF AT 2
11610 / 10927	DEF AT -----	DEF AT 1
11880 / 11151	DEF AT -----	DEF AT 2
12960 / 12076	DEF AT last sample examined	DEF AT 2

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 238	Date of Summary: 18-AUG-1997	First Sample Examined: 10470
Lease Number: G00982	Source of Paleo: OPERATOR	Borehole MD: 13620
Well Name: H015	Paleo Done By: OPERATOR	Borehole TVD: 12382
API Well Number: 177094050201	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 127
Paleo Report Num: 1 of 2	Sample Range: 10470 - 13620	Water Depth: 147
Public Info Code: Y 19-JUL-2007	Ecozone Eq MMS: N	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10470 / 9529	DEF AT first sample examined	DEF AT
10529 / 9581	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10530 / 9582	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13620 / 12382	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 238	Date of Summary: 10-MAR-1998	First Sample Examined: 10470
Lease Number: G00982	Source of Paleo: OPERATOR	Borehole MD: 13620
Well Name: H015	Paleo Done By: OPERATOR	Borehole TVD: 12382
API Well Number: 177094050201	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 127
Paleo Report Num: 2 of 2	Sample Range: 10470 - 13620	Water Depth: 147
Public Info Code: Y 19-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 003

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10470 / 9529	DEF AT first sample examined	POS AT 1
11100 / 10096	DEF AT -----	DEF AT 1
11370 / 10347	DEF AT -----	DEF AT 2
12060 / 10982	DEF AT -----	DEF AT 1
12690 / 11554	DEF AT -----	DEF AT 2
13200 / 12008	DEF AT -----	DEF AT 3
13380 / 12168	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
13620 / 12382	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 238	Date of Summary: 10-MAR-1998	First Sample Examined: 10300
Lease Number: G00983	Source of Paleo: OPERATOR	Borehole MD: 13180
Well Name: H009	Paleo Done By: OPERATOR	Borehole TVD: 12225
API Well Number: 177094044801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 10300 - 13165	Water Depth: 147
Public Info Code: Y 19-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
10300 / 9730	DEF AT first sample examined	DEF AT 1
10301 / 9730	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 1
11140 / 10461	DEF AT -----	DEF AT 2
11470 / 10750	DEF AT -----	DEF AT 1
11920 / 11149	DEF AT -----	DEF AT 2
12340 / 11506	DEF AT -----	DEF AT 1
12610 / 11736	DEF AT -----	DEF AT 2
12820 / 11915	DEF AT -----	DEF AT 1
13165 / 12213	DEF AT last sample examined	DEF AT 1

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 240	Date of Summary: 03-AUG-1999	First Sample Examined: 0
Lease Number: G04453	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18240
Well Name: A007	Paleo Done By: OPERATOR	Borehole TVD: 16884
API Well Number: 177094104000	Drilling Operator: VASTAR OFFSHORE INC	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 139
Public Info Code: Y 10-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14910 / 13907	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
18000 / 16649	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 243	Date of Summary: 04-NOV-1996	First Sample Examined: 0
Lease Number: G02899	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13514
Well Name: 008	Paleo Done By: OPERATOR	Borehole TVD: 11900
API Well Number: 177094109600	Drilling Operator: STONE PETROLEUM CORPORATION	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11150 / 10287	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
12230 / 10918	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 252	Date of Summary: 02-MAY-1997	First Sample Examined: 7500
Lease Number: G00983	Source of Paleo: OPERATOR	Borehole MD: 14400
Well Name: G004	Paleo Done By: OPERATOR	Borehole TVD: 12241
API Well Number: 177094031901	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 7500 - 14400	Water Depth: 157
Public Info Code: Y 27-FEB-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7500 / 7431	DEF AT first sample examined	DEF AT 1
8100 / 7917	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
8130 / 7940	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 3
8500 / 8208	DEF AT - - - - -	DEF AT 1
11880 / 10627	DEF AT - - - - -	DEF AT 3
13710 / 11851	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
14400 / 12241	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 252	Date of Summary: 05-AUG-1997	First Sample Examined: 10630
Lease Number: G00983	Source of Paleo: OPERATOR	Borehole MD: 13478
Well Name: I006	Paleo Done By: OPERATOR	Borehole TVD: 12358
API Well Number: 177094058001	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 10630 - 13478	Water Depth: 151
Public Info Code: Y 09-MAR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
10630 / 10528	DEF AT first sample examined	DEF AT 3
11500 / 11360	DEF AT -----	DEF AT 1
11710 / 11539	DEF AT -----	DEF AT 2
12070 / 11771	DEF AT -----	DEF AT 3
12220 / 11847	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12850 / 12105	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
13210 / 12254	DEF AT -----	DEF AT 2
13330 / 12301	DEF AT -----	DEF AT 1
13478 / 12359	DEF AT last sample examined	DEF AT 1

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 252	Date of Summary: 18-AUG-1997	First Sample Examined: 7000
Lease Number: G00983	Source of Paleo: OPERATOR	Borehole MD: 13550
Well Name: I009	Paleo Done By: OPERATOR	Borehole TVD: 12644
API Well Number: 177094111900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 7000 - 13550	Water Depth: 155
Public Info Code: Y 15-FEB-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
7000 / 6959	DEF AT first sample examined	DEF IN 1
7270 / 7201	DEF AT -----	DEF AT 2
8260 / 8073	DEF AT -----	DEF AT 3
8350 / 8153	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
8530 / 8312	DEF AT -----	DEF IN 3
8980 / 8708	DEF AT -----	DEF IN 2
10240 / 9795	DEF AT -----	DEF AT 2
10420 / 9948	DEF AT cement	POS AT 2
10450 / 9974	DEF AT -----	DEF AT 3
10720 / 10204	DEF AT -----	DEF AT 2
11890 / 11217	DEF AT -----	DEF AT 3
11920 / 11243	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12430 / 11685	DEF AT -----	DEF AT 2
12730 / 11941	DEF AT -----	DEF IN 2
12760 / 11967	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 2
13090 / 12249	DEF AT -----	DEF AT 3
13550 / 12648	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 281	Date of Summary: 16-APR-1997	First Sample Examined: 0
Lease Number: G09591	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7850
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 7406
API Well Number: 177104145800	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 187
Public Info Code: Y 12-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4030 / 4029	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
5530 / 5469	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 305	Date of Summary: 25-MAR-1995	First Sample Examined: 0
Lease Number: G02108	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14960
Well Name: B011	Paleo Done By: OPERATOR	Borehole TVD: 13999
API Well Number: 177104139700	Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN	Rkb Elevation: 118
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 230
Public Info Code: Y 02-MAR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4000 / 4000	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4060 / 4060	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT
5320 / 5320	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
10240 / 10030	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
10630 / 10357	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
14230 / 13367	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 323	Date of Summary: 21-MAY-1996	First Sample Examined: 1600
Lease Number: G15261	Source of Paleo: OPERATOR	Borehole MD: 11600
Well Name: 001	Paleo Done By: THOMAS REILLY	Borehole TVD: 10140
API Well Number: 177104143200	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 90
Paleo Report Num: 1 of 2	Sample Range: 1600 - 8575	Water Depth: 255
Public Info Code: Y 08-JAN-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Original hole report

MD / TVD	Paleo Top Description	Ecozone
1600 / 1600	DEF AT first sample examined	DEF AT 5
2320 / 2320	DEF AT -----	DEF AT 3
2590 / 2590	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
2650 / 2650	DEF AT -----	DEF IN 3
2740 / 2740	DEF AT -----	DEF AT 3
3070 / 3070	DEF AT -----	DEF IN 3
3670 / 3670	DEF AT -----	DEF AT 4
4510 / 4510	DEF AT -----	DEF IN 4
4990 / 4989	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 4
5050 / 5048	DEF AT -----	DEF IN 3
6340 / 6241	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 5
6550 / 6412	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
6820 / 6614	DEF AT -----	DEF AT 3
7780 / 7282	DEF AT -----	DEF IN 4
7920 / 7384	DEF AT -----	DEF IN 3
8575 / 7847	DEF AT last sample examined	DEF IN 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 323	Date of Summary: 21-MAY-1996	First Sample Examined: 8183
Lease Number: G15261	Source of Paleo: OPERATOR	Borehole MD: 11600
Well Name: 001	Paleo Done By: THOMAS REILLY	Borehole TVD: 10140
API Well Number: 177104143200	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 90
Paleo Report Num: 2 of 2	Sample Range: 8183 - 11601	Water Depth: 255
Public Info Code: Y 08-JAN-2005	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Sidetrack report

MD / TVD	Paleo Top Description	Ecozone
8183 / 7570	DEF AT first sample examined	DEF IN 3
8827 / 8023	DEF AT - - - - -	DEF IN 2
9508 / 8511	DEF AT - - - - -	DEF IN 3
9877 / 8787	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
10257 / 9079	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF IN 5
10756 / 9469	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF IN 5
11175 / 9801	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11601 /	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 341	Date of Summary: 24-AUG-1995	First Sample Examined: 4500
Lease Number: G02914	Source of Paleo: OPERATOR	Borehole MD: 7715
Well Name: A013	Paleo Done By: OPERATOR	Borehole TVD: 7480
API Well Number: 177104092401	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 4500 - 7740	Water Depth: 275
Public Info Code: Y 30-MAY-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, no diagnostic coccolith markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT 1
5130 / 5105	DEF AT -----	DEF AT 2
5160 / 5131	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
6180 / 5974	DEF AT -----	DEF AT 1
6420 / 6196	DEF AT -----	DEF AT 3
6780 / 6550	DEF AT -----	DEF AT 1
7140 / 6906	DEF AT -----	DEF AT 2
7440 / 7205	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 2
7560 / 7325	DEF AT -----	DEF AT 1
7740 /	DEF AT last sample examined	DEF AT 1

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 341	Date of Summary: 24-AUG-1995	First Sample Examined: 1030
Lease Number: G02914	Source of Paleo: OPERATOR	Borehole MD: 11092
Well Name: A014	Paleo Done By: OPERATOR	Borehole TVD: 8810
API Well Number: 177104140400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 1030 - 11080	Water Depth: 275
Public Info Code: Y 02-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
1030 / 1029	DEF AT first sample examined	DEF AT 1
1330 / 1325	DEF AT -----	DEF AT 2
1600 / 1585	DEF AT -----	DEF AT 3
2230 / 2158	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 3
2920 / 2619	DEF AT -----	DEF AT 1
4210 / 3319	DEF AT -----	DEF AT 3
4750 / 3597	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5230 / 3847	DEF AT -----	DEF AT 2
6220 / 4397	DEF AT -----	DEF AT 1
6820 / 4775	DEF AT -----	DEF AT 2
9700 /	DEF AT -----	DEF AT 4
10870 /	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 4
10990 /	DEF AT salt	DEF AT 4
11080 /	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 349	Date of Summary: 08-MAR-1996	First Sample Examined: 3530
Lease Number: G02322	Source of Paleo: OPERATOR	Borehole MD: 11342
Well Name: B021	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8702
API Well Number: 177104141100	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 95
Paleo Report Num: 1 of 2	Sample Range: 3530 - 11330	Water Depth: 298
Public Info Code: Y 07-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3530 / 3134	DEF AT first sample examined	DEF AT 2
4640 / 3859	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5000 / 4087	DEF AT - - - - -	DEF AT 2
8870 / 6916	DEF AT - - - - -	DEF AT 3
9440 / 7335	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 3
11330 / 8694	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 349	Date of Summary: 08-MAR-1996	First Sample Examined: 3530
Lease Number: G02322	Source of Paleo: OPERATOR	Borehole MD: 11342
Well Name: B021	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8702
API Well Number: 177104141100	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 95
Paleo Report Num: 2 of 2	Sample Range: 3530 - 11330	Water Depth: 298
Public Info Code: Y 07-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3530 / 3134	DEF AT first sample examined	DEF AT
4310 / 3649	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8960 / 6983	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9110 / 7095	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10670 / 8219	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11330 / 8694	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 349	Date of Summary: 25-NOV-1996	First Sample Examined: 8200
Lease Number: G02322	Source of Paleo: OPERATOR	Borehole MD: 12400
Well Name: B023	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9435
API Well Number: 177104144400	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 8200 - 12400	Water Depth: 298
Public Info Code: Y 10-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8200 / 6265	DEF AT first sample examined	DEF AT 3
10240 / 7796	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
10300 / 7841	DEF AT - - - - -	DEF AT 4
10360 / 7886	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10600 / 8066	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
10660 / 8111	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
11170 / 8499	DEF AT - - - - -	DEF AT 3
12400 / 9436	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EI 349	Date of Summary: 25-NOV-1996	First Sample Examined: 8200
Lease Number: G02322	Source of Paleo: OPERATOR	Borehole MD: 12400
Well Name: B023	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9435
API Well Number: 177104144400	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 8200 - 12400	Water Depth: 298
Public Info Code: Y 10-DEC-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8200 / 6265	DEF AT first sample examined	DEF AT
8560 / 6529	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9460 / 7207	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10030 / 7637	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10240 / 7796	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12400 / 9436	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 834	Date of Summary: 26-AUG-1998	First Sample Examined: 4980
Lease Number: G18168	Source of Paleo: OPERATOR	Borehole MD: 9514
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 9500
API Well Number: 608105008900	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 4980 - 9514	Water Depth: 1105
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Hummingbird Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4980 / 4980	DEF AT first sample examined	DEF AT 4
5010 / 5010	DEF AT -----	DEF AT 0
5190 / 5190	DEF AT -----	DEF AT 4
5220 / 5220	DEF AT -----	DEF AT 0
5340 / 5340	DEF AT -----	DEF AT 4
5640 / 5640	DEF AT -----	DEF AT 0
5700 / 5700	DEF AT -----	DEF AT 4
5730 / 5730	DEF AT local marker foram increase	DEF AT 4
5760 / 5760	DEF AT local marker foram increase	DEF AT 4
5850 / 5850	DEF AT -----	DEF AT 0
5880 / 5880	DEF AT -----	DEF AT 4
6030 / 6030	DEF AT -----	DEF AT 0
6090 / 6090	DEF AT local marker foram increase	DEF AT 4
6240 / 6240	DEF AT -----	DEF IN 4
6300 / 6300	DEF AT sample gap top	DEF AT
6360 / 6360	DEF AT sample gap bottom	DEF IN 4
6390 / 6390	DEF AT sample gap top	DEF AT
6420 / 6420	DEF AT sample gap bottom	DEF IN 4
6480 / 6480	DEF AT -----	DEF AT 4
6630 / 6630	DEF AT sample gap top	DEF AT
6660 / 6660	DEF AT sample gap bottom	DEF AT 4
6690 / 6690	DEF AT -----	DEF AT 0

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 834	Date of Summary: 26-AUG-1998	First Sample Examined: 4980
Lease Number: G18168	Source of Paleo: OPERATOR	Borehole MD: 9514
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 9500
API Well Number: 608105008900	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 4980 - 9514	Water Depth: 1105
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6780 / 6780	DEF AT drilling material	POS AT
6810 / 6810	DEF AT - - - - -	DEF AT 0
6960 / 6960	DEF AT - - - - -	POS AT 0
6990 / 6990	DEF AT transported shelf fauna	DEF AT
7020 / 7020	DEF AT sample gap top	DEF AT
7079 / 7079	DEF AT sample gap bottom	DEF AT
7080 / 7080	DEF AT transported shelf fauna	DEF AT
7110 / 7110	DEF AT - - - - -	DEF IN 4
7500 / 7498	DEF AT local marker foram increase	DEF IN 4
7920 / 7911	DEF AT sample gap top	DEF AT
7950 / 7940	DEF AT sample gap bottom	DEF IN 4
8100 / 8088	DEF AT - - - - -	DEF AT 0
8130 / 8118	DEF AT - - - - -	POS AT 0
8250 / 8237	DEF AT sample gap top	DEF AT
8310 / 8297	DEF AT sample gap bottom	DEF AT
8340 / 8327	DEF AT sample gap top	DEF AT
8370 / 8357	DEF AT sample gap bottom	DEF IN 4
8371 / 8358	DEF AT local marker foram increase	DEF IN 4
8460 / 8447	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 4
8490 / 8477	DEF AT sample gap top	DEF AT
8520 / 8507	DEF AT sample gap bottom	DEF IN 4
8530 / 8517	DEF AT sample gap top	DEF AT
8600 / 8587	DEF AT sample gap bottom	DEF IN 4
8601 / 8588	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 834	Date of Summary: 26-AUG-1998	First Sample Examined: 4980
Lease Number: G18168	Source of Paleo: OPERATOR	Borehole MD: 9514
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 9500
API Well Number: 608105008900	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 4980 - 9514	Water Depth: 1105
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
8620 / 8607	DEF AT sample gap top	DEF AT
8630 / 8617	DEF AT sample gap bottom	DEF AT
8690 / 8677	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
8710 / 8697	DEF AT sample gap top	POS AT
8730 / 8717	DEF AT sample gap bottom	POS AT
8840 / 8827	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
9120 / 9107	DEF AT sample gap top	DEF AT
9160 / 9147	DEF AT sample gap bottom	DEF IN 4
9230 / 9217	DEF AT - - - - -	DEF AT 0
9290 / 9276	DEF AT - - - - -	DEF IN 4
9370 / 9356	DEF AT drilling material	DEF IN 4
9514 / 9500	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 910	Date of Summary: 15-JUL-1997	First Sample Examined: 4990
Lease Number: G13079	Source of Paleo: OPERATOR	Borehole MD: 14550
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14550
API Well Number: 608105007300	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 4990 - 14540	Water Depth: 630
Public Info Code: Y 02-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4990 / 4989	DEF AT first sample examined	POS AT 5
5410 / 5409	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6430 / 6429	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7060 / 7058	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7120 / 7118	POS AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	POS AT 5
8590 / 8586	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8770 / 8766	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9790 / 9785	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
10360 / 10355	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	POS AT 5
10450 / 10445	DEF AT local marker deep water fauna	DEF IN 5
11139 / 11134	DEF AT foram flood	DEF IN 5
11140 / 11135	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
11200 / 11195	DEF AT local marker benthic foram increase	DEF IN 5
11340 / 11335	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
11429 / 11424	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
11430 / 11425	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
11580 / 11575	DEF AT pyrite	DEF IN 5
11990 / 11985	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
12320 / 12315	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF IN 5
12980 / 12974	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
13220 / 13214	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF IN 5
13940 / 13934	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 910	Date of Summary: 15-JUL-1997	First Sample Examined: 4990
Lease Number: G13079	Source of Paleo: OPERATOR	Borehole MD: 14550
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14550
API Well Number: 608105007300	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 4990 - 14540	Water Depth: 630
Public Info Code: Y 02-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14240 / 14234	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 5
14540 / 14534	DEF AT last sample examined	DEF IN 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 910	Date of Summary: 15-JUL-1997	First Sample Examined: 2000
Lease Number: G13079	Source of Paleo: OPERATOR	Borehole MD: 14550
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14550
API Well Number: 608105007300	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 2000 - 14540	Water Depth: 630
Public Info Code: Y 02-AUG-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2000 / 2000	DEF AT first sample examined	DEF AT
2700 / 2700	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood)	DEF AT
2760 / 2760	DEF AT local marker floral decrease	DEF AT
2880 / 2880	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
2970 / 2970	DEF AT local marker floral decrease	DEF AT
5020 / 5019	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6360 / 6359	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
6450 / 6449	DEF AT local marker floral decrease	DEF AT
6610 / 6609	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7109 / 7107	DEF AT floral flood	DEF AT
7110 / 7108	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
7260 / 7258	DEF AT local marker floral decrease	DEF AT
7650 / 7648	POS AT local marker floral increase	DEF AT
7710 / 7708	DEF AT local marker floral decrease	DEF AT
8710 / 8706	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8770 / 8766	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9609 / 9604	DEF AT local marker floral increase	DEF AT
9610 / 9605	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9810 / 9805	DEF AT local marker floral decrease	DEF AT
10390 / 10385	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10420 / 10415	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
10480 / 10475	DEF AT local marker floral decrease	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 910	Date of Summary: 15-JUL-1997	First Sample Examined: 2000
Lease Number: G13079	Source of Paleo: OPERATOR	Borehole MD: 14550
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14550
API Well Number: 608105007300	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 2000 - 14540	Water Depth: 630
Public Info Code: Y 02-AUG-2007	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10810 / 10805	DEF AT local marker floral increase	DEF AT
11138 / 11133	DEF AT foram flood	DEF AT
11139 / 11134	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11140 / 11135	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11170 / 11165	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11430 / 11425	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14030 / 14024	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14150 / 14144	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14540 / 14534	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 910	Date of Summary: 15-JAN-1999	First Sample Examined: 0
Lease Number: G13079	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12651
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 12640
API Well Number: 608105006300	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 560
Public Info Code: Y 25-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD
 10789 / 10780

Paleo Top Description
 DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica

Ecozone
 DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 917	Date of Summary: 15-NOV-1996	First Sample Examined: 3630
Lease Number: G12139	Source of Paleo: OPERATOR	Borehole MD: 12312
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12311
API Well Number: 608105006500	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 3630 - 12312	Water Depth: 1195
Public Info Code: Y 05-DEC-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
3630 / 3630	DEF AT first sample examined	DEF AT
6210 / 6210	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8610 / 8610	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9690 / 9690	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9720 / 9720	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10980 / 10979	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11340 / 11339	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11760 / 11759	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11790 / 11789	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11850 / 11849	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12312 / 12311	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 917	Date of Summary: 18-NOV-1996	First Sample Examined: 3630
Lease Number: G12139	Source of Paleo: OPERATOR	Borehole MD: 12312
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12311
API Well Number: 608105006500	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 3630 - 12312	Water Depth: 1195
Public Info Code: Y 05-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3630 / 3630	DEF AT first sample examined	DEF AT 4
5940 / 5940	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
6360 / 6360	DEF AT - - - - -	DEF AT 5
10920 / 10919	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
10980 / 10979	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11760 / 11759	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12312 / 12311	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 963	Date of Summary: 19-JUN-1996	First Sample Examined: 4500
Lease Number: G13084	Source of Paleo: OPERATOR	Borehole MD: 13100
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13096
API Well Number: 608105006000	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 4500 - 13100	Water Depth: 1740
Public Info Code: Y 12-JUL-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT
4740 / 4740	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
7560 / 7560	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9630 / 9630	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10470 / 10470	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12090 / 12088	POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12120 / 12118	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12420 / 12418	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12810 / 12807	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12840 / 12837	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12870 / 12867	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12960 / 12956	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13020 / 13016	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13100 / 13096	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 963	Date of Summary: 21-JUN-1996	First Sample Examined: 4500
Lease Number: G13084	Source of Paleo: OPERATOR	Borehole MD: 13100
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13096
API Well Number: 608105006000	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 4500 - 13100	Water Depth: 1740
Public Info Code: Y 12-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4500 / 4500	DEF AT first sample examined	DEF IN 5
4590 / 4590	DEF AT - - - - -	DEF AT 4
6120 / 6120	DEF AT - - - - -	DEF AT 5
6480 / 6480	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6570 / 6570	DEF AT - - - - -	DEF AT 4
10470 / 10470	DEF AT - - - - -	DEF IN 5
10530 / 10530	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
12420 / 12418	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
12780 / 12777	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
12900 / 12897	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
12930 / 12927	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
12990 / 12986	DEF AT - - - - -	DEF AT 6
13100 / 13096	DEF AT last sample examined	DEF AT 6

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 963	Date of Summary: 09-JAN-1997	First Sample Examined: 5230
Lease Number: G13084	Source of Paleo: OPERATOR	Borehole MD: 15924
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13266
API Well Number: 608105006800	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 5230 - 15924	Water Depth: 1758
Public Info Code: Y 21-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5230 / 4942	DEF AT first sample examined	POS AT 4
6880 / 6128	DEF AT -----	DEF AT 5
8320 / 7185	DEF AT -----	DEF IN 5
11200 / 9282	DEF AT -----	DEF AT 4
11740 / 9682	DEF AT -----	DEF AT 5
14590 / 12060	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	POS AT 5
15310 / 12698	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15460 / 12834	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15700 / 13055	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
15924 / 13266	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 963	Date of Summary: 09-JAN-1997	First Sample Examined: 5230
Lease Number: G13084	Source of Paleo: OPERATOR	Borehole MD: 15924
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13266
API Well Number: 608105006800	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 5230 - 15924	Water Depth: 1758
Public Info Code: Y 21-JAN-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5230 / 4942	DEF AT first sample examined	DEF AT
8290 / 7163	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
11830 / 9750	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
13540 / 11157	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14620 / 12086	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14950 / 12377	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15145 / 12550	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
15190 / 12590	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15220 / 12617	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15400 / 12779	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15520 / 12889	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15880 / 13224	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
15924 / 13266	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 963	Date of Summary: 13-MAR-1997	First Sample Examined: 5000
Lease Number: G13084	Source of Paleo: OPERATOR	Borehole MD: 13605
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11801
API Well Number: 608105006900	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 5000 - 13510	Water Depth: 1758
Public Info Code: Y 17-MAR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5000 / 4909	DEF AT first sample examined	DEF AT
5001 / 4910	DEF IN cement	DEF AT
5060 / 4962	DEF AT sample gap top	DEF AT
5120 / 5015	DEF AT sample gap bottom	POS AT 4
5330 / 5200	DEF AT sample gap top	POS AT 4
5450 / 5306	DEF AT sample gap bottom	DEF AT 4
6020 / 5812	DEF AT - - - - -	DEF AT 5
6980 / 6665	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
7220 / 6877	DEF AT - - - - -	DEF IN 5
8180 / 7728	DEF AT - - - - -	DEF AT 5
10690 / 9793	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	POS AT 5
12700 / 11163	DEF AT - - - - -	DEF IN 5
12730 / 11184	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
12970 / 11351	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13180 / 11497	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
13510 / 11732	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 963	Date of Summary: 13-MAR-1997	First Sample Examined: 5000
Lease Number: G13084	Source of Paleo: OPERATOR	Borehole MD: 13605
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11801
API Well Number: 608105006900	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 5000 - 13510	Water Depth: 1758
Public Info Code: Y 17-MAR-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 4909	DEF AT first sample examined	DEF AT
7220 / 6877	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9590 / 8971	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10480 / 9650	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11530 / 10369	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12640 / 11122	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12850 / 11267	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13030 / 11392	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13090 / 11434	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13180 / 11497	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13240 / 11539	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13360 / 11624	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13510 / 11732	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 965	Date of Summary: 30-SEP-1996	First Sample Examined: 11000
Lease Number: G12145	Source of Paleo: OPERATOR	Borehole MD: 15370
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15369
API Well Number: 608105006200	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 11000 - 14920	Water Depth: 1694
Public Info Code: Y 08-OCT-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11000 / 11000	DEF AT first sample examined	DEF AT
11540 / 11540	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11630 / 11630	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11900 / 11900	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11930 / 11930	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11960 / 11960	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12110 / 12110	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12410 / 12410	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14750 / 14749	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14920 / 14919	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 965	Date of Summary: 28-AUG-1998	First Sample Examined: 11000
Lease Number: G12145	Source of Paleo: OPERATOR	Borehole MD: 15370
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15369
API Well Number: 608105006200	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 11000 - 14920	Water Depth: 1694
Public Info Code: Y 08-OCT-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Revised calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
11000 / 11000	DEF AT first sample examined	DEF AT
11540 / 11540	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11630 / 11630	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11900 / 11900	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11930 / 11930	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11960 / 11960	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12110 / 12110	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12410 / 12410	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12620 / 12620	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13190 / 13190	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13400 / 13400	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
13670 / 13670	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14920 / 14919	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 1010	Date of Summary: 09-JAN-2001	First Sample Examined: 5390
Lease Number: G18189	Source of Paleo: OPERATOR	Borehole MD: 7867
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 7866
API Well Number: 608104010900	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5390 - 7550	Water Depth: 1657
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Hurricane Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5390 / 5390	DEF AT first sample examined	DEF AT 4
5600 / 5600	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
5960 / 5960	DEF AT faunal change (no faunal increase)	DEF IN 4
5990 / 5990	DEF AT foram flood	DEF IN 4
6260 / 6260	DEF AT faunal change (no faunal increase)	DEF AT 4
6290 / 6290	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
6350 / 6350	DEF AT faunal change (no faunal increase)	DEF IN 4
6410 / 6410	DEF AT faunal change (no faunal increase)	DEF AT 4
6830 / 6830	DEF AT faunal change (no faunal increase)	DEF IN 4
6890 / 6890	DEF AT faunal change (no faunal increase)	DEF AT 4
6920 / 6920	DEF AT faunal change (no faunal increase)	DEF AT 4
6980 / 6980	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
7009 / 7009	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 4
7010 / 7010	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 4
7040 / 7040	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
7130 / 7130	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
7250 / 7250	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
7310 / 7310	DEF AT gypsum	DEF AT 4
7370 / 7370	DEF AT faunal change (no faunal increase)	DEF AT 4
7429 / 7429	DEF AT gypsum	DEF AT 4
7430 / 7430	POS IN gouge	DEF AT 4
7520 / 7520	DEF AT salt	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 1010	Date of Summary: 09-JAN-2001	First Sample Examined: 5390
Lease Number: G18189	Source of Paleo: OPERATOR	Borehole MD: 7867
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 7866
API Well Number: 608104010900	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5390 - 7550	Water Depth: 1657
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7550 / 7550	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 1010	Date of Summary: 28-NOV-2000	First Sample Examined: 0
Lease Number: G18189	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 26048
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25989
API Well Number: 608104010901	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 0 - 0	Water Depth: 1657
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Hurricane Prospect, company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6710 / 6710	DEF IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
7323 / 7323	DEF AT domal material	DEF AT
14805 / 14770	DEF AT base of salt	DEF AT
15170 / 15134	DEF AT out-of-place section	DEF AT
15300 / 15264	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15770 / 15734	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16250 / 16214	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17260 / 17223	DEF IN Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT
18715 / 18674	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
19750 / 19708	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
21430 / 21387	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22750 / 22705	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25360 / 25306	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: EW 1010	Date of Summary: 01-MAR-2001	First Sample Examined: 5390
Lease Number: G18189	Source of Paleo: OPERATOR	Borehole MD: 26048
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25989
API Well Number: 608104010901	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 5390 - 26020	Water Depth: 1657
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Hurricane Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
5600 / 5600	DEF AT first sample examined	DEF AT
5601 / 5601	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
6860 / 6860	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6920 / 6920	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7010 / 7010	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7040 / 7040	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7070 / 7070	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
7130 / 7130	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
7250 / 7250	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15770 / 15734	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
15920 / 15884	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16100 / 16064	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16300 / 16264	POS AT Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local)	DEF AT
17110 / 17073	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17200 / 17163	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
18460 / 18419	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
18700 / 18659	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
19810 / 19768	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21430 / 21387	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
22750 / 22705	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25360 / 25306	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
26020 / 25962	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GA 151	Date of Summary: 06-AUG-2001	First Sample Examined: 0
Lease Number: G15740	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11370
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 11368
API Well Number: 427064039200	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 53
Public Info Code: Y 23-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6900 / 6899	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9105 / 9104	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9378 / 9377	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GA 213	Date of Summary: 03-JUN-1998	First Sample Examined: 0
Lease Number: G17120	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8805
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8802
API Well Number: 427064040700	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 25-JAN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6540 / 6538	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8580 / 8577	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GA 272	Date of Summary: 29-MAY-1997	First Sample Examined: 0
Lease Number: G12497	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10018
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 9058
API Well Number: 427064039400	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 62
Public Info Code: Y 18-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6710 / 6537	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
7530 / 7137	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8614 / 7889	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GA 301	Date of Summary: 16-APR-1996	First Sample Examined: 0
Lease Number: G12502	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13250
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 11886
API Well Number: 427064037700	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 61
Public Info Code: Y 06-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10677 / 9577	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
11436 / 10249	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GA 301	Date of Summary: 07-MAY-1996	First Sample Examined: 0
Lease Number: G14833	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13055
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 11697
API Well Number: 427064038100	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 61
Public Info Code: Y 29-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9402 / 8333	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11390 / 10144	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GA 301	Date of Summary: 30-NOV-1995	First Sample Examined: 0
Lease Number: G14833	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13915
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 11427
API Well Number: 427064036700	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 61
Public Info Code: Y 07-SEP-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8390 / 8027	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
9640 / 8791	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
11940 / 10202	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GA 303	Date of Summary: 08-MAY-1997	First Sample Examined: 2570
Lease Number: G04565	Source of Paleo: OPERATOR	Borehole MD: 7000
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7000
API Well Number: 427064039500	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 2510 - 7000	Water Depth: 65
Public Info Code: Y 24-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2510 / 2510	DEF AT first sample examined	DEF AT 2
2960 / 2960	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
5660 / 5659	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
6830 / 6829	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
7000 / 6999	DEF AT last sample examined	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GA 303	Date of Summary: 16-JUN-1997	First Sample Examined: 4000
Lease Number: G04565	Source of Paleo: OPERATOR	Borehole MD: 10331
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9900
API Well Number: 427064039800	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 4000 - 10331	Water Depth: 65
Public Info Code: Y 18-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 3999	DEF AT first sample examined	DEF AT 1
4870 / 4868	DEF AT faunal change (no faunal increase)	DEF AT 2
7780 / 7503	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
8170 / 7859	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
8200 / 7887	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
9100 / 8724	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
9730 / 9321	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
10331 / 9901	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GA 303	Date of Summary: 08-NOV-1996	First Sample Examined: 4000
Lease Number: G04565	Source of Paleo: OPERATOR	Borehole MD: 9350
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9350
API Well Number: 427064039000	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 4000 - 9370	Water Depth: 64
Public Info Code: Y 18-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 4000	DEF AT first sample examined	DEF AT 1
6400 / 6399	POS IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
7000 / 6999	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
7180 / 7179	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
7930 / 7929	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
8500 / 8499	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
9370 /	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GA 343	Date of Summary: 29-SEP-1995	First Sample Examined: 6500
Lease Number: G06105	Source of Paleo: OPERATOR	Borehole MD: 11500
Well Name: 010	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 11500
API Well Number: 427064037200	Drilling Operator: WACKER OIL INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 6500 - 11500	Water Depth: 72
Public Info Code: Y 20-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6500 / 6499	DEF AT first sample examined	DEF AT 1
6501 / 6500	POS IN Middle Miocene	DEF AT 1
6559 / 6558	POS AT unconformity	DEF AT 1
6560 / 6559	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 1
6590 / 6589	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 1
6620 / 6619	DEF AT - - - - -	DEF IN 1
7040 / 7039	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
7070 / 7069	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 2
8030 / 8029	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 1
8330 / 8329	DEF AT - - - - -	DEF IN 2
8480 / 8479	DEF AT - - - - -	DEF AT 2
8630 / 8629	DEF AT - - - - -	DEF IN 1
8720 / 8719	DEF AT - - - - -	DEF AT 2
9200 / 9199	DEF AT - - - - -	DEF IN 2
9350 / 9349	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 2
9700 / 9699	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 2
10040 / 10039	DEF AT - - - - -	DEF AT 3
10700 / 10698	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
11500 / 11498	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GA 344	Date of Summary: 25-JAN-2006	First Sample Examined: 7500
Lease Number: G22214	Source of Paleo: OPERATOR	Borehole MD: 10682
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10531
API Well Number: 427064045101	Drilling Operator: GRYPHON EXPLORATION COMPANY	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 7500 - 9300	Water Depth: 69
Public Info Code: Y 22-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7500 / 7397	DEF AT first sample examined	DEF IN 3
7501 / 7398	DEF IN Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 3
7650 / 7540	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 3
7890 / 7771	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 3
7980 / 7858	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 3
9300 / 9160	DEF AT last sample examined	DEF IN 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GA A 177	Date of Summary: 06-MAR-2006	First Sample Examined: 509
Lease Number: G24387	Source of Paleo: OPERATOR	Borehole MD: 1300
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 1300
API Well Number: 427074010500	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 509 - 1300	Water Depth: 195
Public Info Code: Y 30-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
509 / 509	DEF AT first sample examined	DEF AT 3
510 / 510	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 3
680 / 680	DEF AT - - - - -	DEF AT 2
1100 / 1100	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
1300 / 1300	DEF AT last sample examined	DEF AT 2

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 72	Date of Summary: 24-MAY-1996	First Sample Examined: 0
Lease Number: G13363	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5557
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 5504
API Well Number: 608074014600	Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 517
Public Info Code: Y 19-MAY-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4850 / 4799	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 72	Date of Summary: 02-MAY-1996	First Sample Examined: 0
Lease Number: G13363	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5730
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 5626
API Well Number: 608074014700	Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC	Rkb Elevation: 151
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 668
Public Info Code: Y 29-APR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5116 / 5043	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 72	Date of Summary: 18-NOV-1996	First Sample Examined: 0
Lease Number: G13363	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7015
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 6201
API Well Number: 608074015300	Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC	Rkb Elevation: 151
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 517
Public Info Code: Y 25-SEP-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5830 / 5197	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 72	Date of Summary: 06-JAN-1997	First Sample Examined: 0
Lease Number: G13363	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5833
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 5445
API Well Number: 608074015500	Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC	Rkb Elevation: 155
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 520
Public Info Code: Y 12-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4956 / 4636	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 117	Date of Summary: 20-FEB-1997	First Sample Examined: 11005
Lease Number: G12631	Source of Paleo: OPERATOR	Borehole MD: 16297
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14001
API Well Number: 608074014900	Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC	Rkb Elevation: 102
Paleo Report Num: 1 of 2	Sample Range: 11005 - 13940	Water Depth: 924
Public Info Code: Y 28-NOV-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11005 / 9681	DEF AT first sample examined	POS AT 5
11006 / 9682	DEF AT cement	POS AT 5
11090 / 9751	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
11180 / 9826	DEF AT - - - - -	DEF IN 5
11930 / 10443	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
13670 / 11873	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13940 / 12094	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 117	Date of Summary: 20-FEB-1997	First Sample Examined: 11005
Lease Number: G12631	Source of Paleo: OPERATOR	Borehole MD: 16297
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14001
API Well Number: 608074014900	Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC	Rkb Elevation: 102
Paleo Report Num: 2 of 2	Sample Range: 11005 - 13940	Water Depth: 924
Public Info Code: Y 28-NOV-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
11005 / 9681	DEF AT first sample examined	DEF AT
11090 / 9751	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11900 / 10418	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12560 / 10963	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13100 / 11405	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
13520 / 11749	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13670 / 11873	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13820 / 11996	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13940 / 12094	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 117	Date of Summary: 29-MAY-1997	First Sample Examined: 0
Lease Number: G12631	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17517
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 15940
API Well Number: 608074014901	Drilling Operator: MANTA RAY GATHERING COMPANY LLC	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 924
Public Info Code: Y 15-MAR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
13750 / 12253	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
15530 / 13990	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
16490 / 14934	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
16790 / 15228	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
16940 / 15375	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 128	Date of Summary: 12-JUN-1996	First Sample Examined: 2050
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 16535
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12213
API Well Number: 608074082000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 72
Paleo Report Num: 1 of 6	Sample Range: 2050 - 14380	Water Depth: 663
Public Info Code: Y 14-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2050 / 2050	DEF AT first sample examined	DEF AT 1
2230 / 2230	DEF AT faunal change (no faunal increase)	DEF AT 1
2320 / 2320	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 3
3250 / 3246	DEF AT faunal change (no faunal increase)	DEF AT 3
3550 / 3537	DEF AT faunal change (no faunal increase)	DEF AT 3
3760 / 3734	DEF AT faunal change (no faunal increase)	DEF AT 2
3820 / 3790	DEF AT faunal change (no faunal increase)	DEF AT 3
4270 / 4207	DEF AT faunal change (no faunal increase)	DEF AT 2
4480 / 4391	DEF AT faunal change (no faunal increase)	DEF AT 3
4660 / 4543	DEF AT faunal change (no faunal increase)	DEF AT 3
4690 / 4568	DEF AT faunal change (no faunal increase)	DEF AT 4
4720 / 4593	DEF AT faunal change (no faunal increase)	DEF AT 4
4840 / 4690	DEF IN Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
5230 / 4978	DEF AT faunal change (no faunal increase)	DEF AT 3
5950 / 5438	DEF AT faunal change (no faunal increase)	DEF AT 2
5980 / 5456	DEF AT faunal change (no faunal increase)	DEF AT 3
6040 / 5494	DEF AT local marker foram increase	DEF AT 3
6430 / 5737	DEF AT faunal change (no faunal increase)	DEF AT 3
7270 / 6267	DEF AT faunal change (no faunal increase)	DEF AT 2
7390 / 6346	DEF AT local marker foram increase	DEF AT 3
7450 / 6385	DEF AT local marker planktic foram increase	DEF AT 4
7630 / 6501	DEF AT faunal change (no faunal increase)	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 128	Date of Summary: 12-JUN-1996	First Sample Examined: 2050
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 16535
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12213
API Well Number: 608074082000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 72
Paleo Report Num: 1 of 6	Sample Range: 2050 - 14380	Water Depth: 663
Public Info Code: Y 14-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8590 / 7117	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscons (acme "B")	DEF AT 4
8770 / 7236	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
9220 / 7530	DEF AT faunal change (no faunal increase)	DEF AT 3
9310 / 7586	DEF AT faunal change (no faunal increase)	DEF AT 4
9520 / 7719	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
9580 / 7757	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
9820 / 7913	DEF AT faunal change (no faunal increase)	DEF AT 3
9850 / 7933	DEF AT faunal change (no faunal increase)	DEF AT 4
9970 / 8011	DEF AT faunal change (no faunal increase)	DEF AT 3
10000 / 8030	DEF AT faunal change (no faunal increase)	DEF AT 4
10210 / 8165	DEF AT faunal change (no faunal increase)	DEF AT 3
10450 / 8322	DEF AT faunal change (no faunal increase)	DEF AT 4
10570 / 8397	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
10600 / 8415	DEF AT local marker foram increase	DEF AT 4
10660 / 8452	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
10990 / 8648	DEF AT local marker planktic foram increase	DEF AT 4
11050 / 8686	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
11200 / 8782	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
11230 / 8802	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
12879 / 9882	DEF AT base of salt	POS AT 4
12880 / 9883	DEF AT local marker foram increase	DEF AT 4
12970 / 9940	DEF AT faunal change (no faunal increase)	DEF AT 4
13150 / 10055	DEF AT faunal change (no faunal increase)	DEF AT 4
13180 / 10075	POS AT faunal change (no faunal increase)	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 128	Date of Summary: 12-JUN-1996	First Sample Examined: 2050
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 16535
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12213
API Well Number: 608074082000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 72
Paleo Report Num: 1 of 6	Sample Range: 2050 - 14380	Water Depth: 663
Public Info Code: Y 14-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13240 / 10114	DEF AT sample gap top	DEF AT 4
13330 / 10173	DEF AT sample gap bottom	DEF AT 4
13349 / 10185	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
13690 / 10407	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
13825 / 10498	DEF AT cement	DEF AT 4
14380 / 10867	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 128	Date of Summary: 04-OCT-1996	First Sample Examined: 2050
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 16535
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 12213
API Well Number: 608074082000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 72
Paleo Report Num: 2 of 6	Sample Range: 2050 - 14380	Water Depth: 663
Public Info Code: Y 14-DEC-2006	Ecozone Eq MMS:	Paleo ID: 004

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
2050 / 2050	DEF AT first sample examined	DEF AT
7420 / 6366	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8590 / 7117	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9370 / 7624	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9550 / 7738	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10600 / 8415	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10930 / 8612	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
11140 / 8743	DEF IN Lower Pliocene (Zanclian) Sphenolithus grandis	DEF AT
11350 / 8880	DEF AT Lower Pliocene (Zanclian) Discoaster challengerii	DEF AT
11470 / 8956	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11700 / 9103	DEF AT salt	DEF AT
12880 / 9883	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13750 / 10447	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14380 / 10867	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 128	Date of Summary: 08-OCT-1996	First Sample Examined: 13540
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 16535
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12213
API Well Number: 608074082000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 72
Paleo Report Num: 3 of 6	Sample Range: 13540 - 16540	Water Depth: 663
Public Info Code: Y 14-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Bypass report

MD / TVD	Paleo Top Description	Ecozone
13540 / 10308	DEF AT first sample examined	DEF AT 4
13630 / 10367	DEF AT faunal change (no faunal increase)	DEF AT 3
13660 / 10387	DEF AT faunal change (no faunal increase)	DEF AT 3
13690 / 10407	DEF AT faunal change (no faunal increase)	DEF AT 4
13720 / 10427	DEF AT Lower Pleistocene (Calabrian) <i>Uvigerina hispida</i>	DEF AT 4
14110 / 10691	DEF AT faunal change (no faunal increase)	DEF AT 3
14470 / 10923	POS AT Upper Pliocene (Gelasian) <i>Cristellaria "S"</i>	DEF IN 3
14560 / 10976	DEF AT faunal change (no faunal increase)	DEF AT 4
14680 / 11043	DEF AT Upper Pliocene (Gelasian) <i>Globorotalia menardii</i> (coiling change left/right)	DEF AT 4
14920 / 11169	DEF IN Upper Pliocene (Gelasian) <i>Globorotalia miocenica</i>	DEF AT 4
14950 / 11185	DEF AT Upper Pliocene (Piacenzian) <i>Ceratobulimina pacifica</i>	DEF AT 4
15430 / 11481	DEF AT faunal change (no faunal increase)	DEF IN 3
15460 / 11501	DEF AT faunal change (no faunal increase)	DEF AT 4
16540 /	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 128	Date of Summary: 28-NOV-1996	First Sample Examined: 2050
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 16535
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 12213
API Well Number: 608074082000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 72
Paleo Report Num: 4 of 6	Sample Range: 2050 - 14380	Water Depth: 663
Public Info Code: Y 14-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 006

Remark: Enchilada Prospect, company-integrated foram and nanno report, 12880=inverted section at or below *Textularia tatumi*, 13750=base of inverted section, in *Discoaster brouweri*

MD / TVD	Paleo Top Description	Ecozone
2050 / 2050	DEF AT first sample examined	POS IN 2
2320 / 2320	POS IN Upper Pleistocene (Ionian) Sangamon fauna	DEF IN 2
3340 / 3334	DEF AT Upper Pleistocene (Ionian) <i>Globorotalia flexuosa</i>	DEF IN 3
4690 / 4568	DEF AT Middle Pleistocene (Ionian) <i>Globorotalia truncatulinoides</i> (coiling change right/left)	DEF AT 4
4720 / 4593	DEF AT Middle Pleistocene (Ionian) <i>Trimosina "A"</i>	DEF AT 4
4840 / 4690	DEF IN Lower Pleistocene (Calabrian) <i>Stilostomella antillea</i>	DEF AT 4
7420 / 6366	DEF AT Lower Pleistocene (Calabrian) <i>Pseudoemiliana lacunosa "C"</i> (acme)	DEF IN 3
8590 / 7117	DEF AT Lower Pleistocene (Calabrian) <i>Calcidiscus macintyreii</i>	DEF AT 4
8770 / 7236	POS AT Upper Pliocene (Gelasian) <i>Cristellaria "S"</i>	DEF AT 4
9370 / 7624	POS AT Upper Pliocene (Gelasian) <i>Discoaster pentaradiatus</i>	DEF AT 4
9519 / 7718	DEF IN Upper Pliocene (Gelasian) <i>Discoaster pentaradiatus</i>	DEF AT 4
9520 / 7719	DEF IN Upper Pliocene (Gelasian) <i>Globorotalia miocenica</i>	DEF AT 4
9550 / 7738	DEF AT Upper Pliocene (Gelasian) <i>Discoaster surculus</i>	DEF AT 4
9580 / 7757	DEF IN Upper Pliocene (Piacenzian) <i>Ceratobulimina pacifica</i>	DEF AT 4
10570 / 8397	DEF IN Upper Pliocene (Piacenzian) <i>Globoquadrina altispira</i>	DEF AT 4
10600 / 8415	DEF IN Upper Pliocene (Piacenzian) <i>Discoaster tamalis</i>	DEF AT 4
10660 / 8452	DEF IN Upper Pliocene (Piacenzian) <i>Sphaeroidinellopsis seminulina</i>	DEF AT 4
10930 / 8612	POS AT Lower Pliocene (Zanclian) <i>Dictyococcites antarcticus</i>	DEF AT 4
11050 / 8686	DEF IN Lower Pliocene (Zanclian) <i>Globorotalia margaritae</i>	DEF AT 4
11140 / 8743	DEF IN Lower Pliocene (Zanclian) <i>Sphenolithus grandis</i>	DEF AT 4
11200 / 8782	DEF IN Lower Pliocene (Zanclian) <i>Globigerina druryi</i> / <i>nepenthes "B"</i>	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 128	Date of Summary: 28-NOV-1996	First Sample Examined: 2050
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 16535
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 12213
API Well Number: 608074082000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 72
Paleo Report Num: 4 of 6	Sample Range: 2050 - 14380	Water Depth: 663
Public Info Code: Y 14-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 006

MD / TVD	Paleo Top Description	Ecozone
11230 / 8802	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
11350 / 8880	DEF AT Lower Pliocene (Zanclian) Discoaster challengerii	DEF AT 4
11470 / 8956	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
11700 / 9103	DEF AT salt	POS AT 4
12879 / 9882	DEF AT base of salt	DEF AT 4
12880 / 9883	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
12924 / 9911	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
13349 / 10185	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
13690 / 10407	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
13750 / 10447	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
14380 / 10867	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 128	Date of Summary: 28-NOV-1996	First Sample Examined: 13540
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 16535
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 12213
API Well Number: 608074082000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 72
Paleo Report Num: 5 of 6	Sample Range: 13540 - 16535	Water Depth: 663
Public Info Code: Y 14-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 007

Remark: Enchilada Prospect, company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
13540 / 10308	DEF AT first sample examined	DEF AT 4
13541 / 10309	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
13750 / 10447	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
14560 / 10976	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
14890 / 11154	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
14920 / 11169	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
14950 / 11185	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
15790 / 11728	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
16535 / 12213	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 128	Date of Summary: 02-DEC-1996	First Sample Examined: 13540
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 16535
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 12213
API Well Number: 608074082000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 72
Paleo Report Num: 6 of 6	Sample Range: 13540 - 16535	Water Depth: 663
Public Info Code: Y 14-DEC-2006	Ecozone Eq MMS:	Paleo ID: 005

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13540 / 10308	DEF AT first sample examined	DEF AT
13541 / 10309	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13750 / 10447	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14560 / 10976	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14890 / 11154	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15790 / 11728	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16535 / 12213	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 159	Date of Summary: 27-APR-2006	First Sample Examined: 2660
Lease Number: G23270	Source of Paleo: OPERATOR	Borehole MD: 7972
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7968
API Well Number: 608074027200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 2660 - 7880	Water Depth: 989
Public Info Code: Y 16-NOV-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
2660 / 2660	DEF AT first sample examined	DEF AT 4
2661 / 2661	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
2750 / 2750	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 4
3770 / 3770	DEF AT - - - - -	DEF AT 5
3800 / 3800	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
5249 / 5248	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
5250 / 5249	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
6829 / 6826	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
6830 / 6827	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7880 / 7877	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 161	Date of Summary: 01-DEC-1996	First Sample Examined: 5100
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 10800
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 10788
API Well Number: 608074015800	Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN	Rkb Elevation: 89
Paleo Report Num: 1 of 2	Sample Range: 5100 - 10790	Water Depth: 970
Public Info Code: Y 22-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 7610=Bulimina rostrata, 5400 to 5829 may represent a slump block

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5100 / 5094	DEF AT first sample examined	DEF IN 2
5101 / 5095	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 2
5220 / 5214	DEF AT reworked material	DEF IN 3
5400 / 5394	POS AT reworked material	DEF IN 4
5820 / 5813	DEF AT faunal change (no faunal increase)	DEF AT 4
5940 / 5933	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
6150 / 6143	DEF AT local marker foram increase	DEF AT 4
6550 / 6543	DEF AT local marker foram increase	DEF AT 4
6551 / 6544	DEF AT pyrite	DEF AT 4
6600 / 6593	DEF AT faunal change (no faunal increase)	DEF AT 4
6660 / 6653	DEF AT local marker foram decrease	POS AT 4
6890 / 6882	DEF AT transported shelf fauna	POS AT 4
6920 / 6912	DEF AT faunal change (no faunal increase)	DEF AT 4
7040 / 7032	DEF AT faunal change (no faunal increase)	DEF IN 3
7310 / 7301	DEF AT faunal change (no faunal increase)	DEF AT 3
7340 / 7331	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 3
7400 / 7391	DEF AT faunal change (no faunal increase)	DEF IN 3
7610 / 7601	DEF AT local marker benthic foram increase	DEF IN 4
7729 / 7720	DEF AT pyrite	DEF IN 4
7730 / 7721	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 4
7850 / 7841	DEF AT faunal change (no faunal increase)	DEF AT 4
8060 / 8051	DEF AT local marker foram decrease	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 161	Date of Summary: 01-DEC-1996	First Sample Examined: 5100
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 10800
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 10788
API Well Number: 608074015800	Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN	Rkb Elevation: 89
Paleo Report Num: 1 of 2	Sample Range: 5100 - 10790	Water Depth: 970
Public Info Code: Y 22-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
8990 / 8980	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 3
9139 / 9129	DEF AT pyrite	DEF IN 4
9140 / 9130	DEF AT local marker foram increase	DEF IN 4
9260 / 9250	DEF AT faunal change (no faunal increase)	POS IN 4
9380 / 9370	DEF AT gypsum	POS IN 4
9410 / 9400	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
9470 / 9460	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 4
9560 / 9550	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 4
9680 / 9670	POS AT gouge	DEF IN 4
9740 / 9730	DEF AT gypsum	DEF IN 4
9741 / 9731	DEF IN salt	DEF IN 4
10790 / 10778	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 161	Date of Summary: 05-MAY-1997	First Sample Examined: 5100
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 10800
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10788
API Well Number: 608074015800	Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN	Rkb Elevation: 89
Paleo Report Num: 2 of 2	Sample Range: 5100 - 10790	Water Depth: 970
Public Info Code: Y 22-DEC-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
5100 / 5094	DEF AT first sample examined	DEF AT
5250 / 5244	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5400 / 5394	DEF AT reworked material	DEF AT
6120 / 6113	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7700 / 7691	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
7820 / 7811	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
9170 / 9160	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9590 / 9580	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9890 / 9880	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9920 / 9910	DEF AT reworked material	DEF AT
10790 / 10778	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 161	Date of Summary: 01-FEB-1999	First Sample Examined: 8060
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 17650
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16870
API Well Number: 608074015801	Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 8060 - 17650	Water Depth: 972
Public Info Code: Y 13-FEB-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 9470=Bulimina rostrata, 16940=Uvigerina byrdi

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8060 / 8051	DEF AT first sample examined	DEF AT
8870 / 8831	DEF AT local marker foram increase	DEF IN 2
9110 / 9046	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
9170 / 9100	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
9380 / 9290	DEF AT faunal change (no faunal increase)	DEF IN 4
9470 / 9373	DEF AT local marker benthic foram increase	DEF IN 4
9500 / 9401	DEF AT local marker benthic foram increase	DEF IN 5
9529 / 9427	DEF AT pyrite	DEF IN 5
9530 / 9428	DEF AT local marker deep water fauna	DEF IN 5
10310 / 10151	DEF AT local marker foram decrease	DEF IN 5
10340 / 10179	DEF AT faunal change (no faunal increase)	DEF AT 5
10459 / 10290	DEF AT condensed section	DEF AT 5
10460 / 10291	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
10520 / 10347	DEF AT local marker planktic foram increase	DEF AT 5
10580 / 10403	DEF AT shell fragments	DEF AT 5
10700 / 10515	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
11060 / 10847	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
11300 / 11067	DEF AT faunal change (no faunal increase)	DEF AT 5
11390 / 11149	DEF AT local marker foram decrease	POS AT 5
11570 / 11314	DEF AT faunal change (no faunal increase)	POS AT 5
11750 / 11481	POS AT Upper Pliocene (Gelasian) Globorotalia exilis	POS AT 5
11960 / 11676	DEF AT local marker foram increase	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 161	Date of Summary: 01-FEB-1999	First Sample Examined: 8060
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 17650
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16870
API Well Number: 608074015801	Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 8060 - 17650	Water Depth: 972
Public Info Code: Y 13-FEB-2007	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11990 / 11704	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF IN 5
12410 / 12094	DEF AT faunal change (no faunal increase)	POS IN 5
12740 / 12400	DEF AT local marker benthic foram increase	POS IN 5
12770 / 12428	DEF AT faunal change (no faunal increase)	DEF IN 5
12979 / 12622	DEF AT condensed section	DEF IN 5
12980 / 12623	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13040 / 12679	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
13100 / 12734	DEF AT Arenaceous fauna (local marker)	DEF IN 5
13160 / 12789	DEF AT ash	DEF IN 5
13460 / 13065	DEF AT faunal change (no faunal increase)	DEF AT 5
13550 / 13147	DEF AT local marker foram decrease	DEF AT 5
13580 / 13175	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
13640 / 13230	DEF AT faunal change (no faunal increase)	POS AT 4
13940 / 13504	DEF AT local marker foram increase	DEF IN 5
14060 / 13613	DEF AT faunal change (no faunal increase)	DEF AT 4
14120 / 13667	DEF AT Eggerella 3 (local marker)	DEF AT 4
14240 / 13775	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
14300 / 13829	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 4
14360 / 13884	DEF AT faunal change (no faunal increase)	POS AT 4
15080 / 14535	POS AT local marker foram increase	DEF AT 4
15290 / 14725	DEF AT sample gap top	POS AT 4
15369 / 14796	DEF AT sample gap bottom	DEF AT 5
15370 / 14796	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
15490 / 14905	DEF AT local marker planktic foram increase	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 161	Date of Summary: 01-FEB-1999	First Sample Examined: 8060
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 17650
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16870
API Well Number: 608074015801	Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 8060 - 17650	Water Depth: 972
Public Info Code: Y 13-FEB-2007	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
15520 / 14932	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15670 / 15068	POS AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 5
15730 / 15122	DEF AT reworked material	DEF AT 5
15890 / 15266	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT 5
15950 / 15321	DEF AT local marker foram decrease	DEF AT 5
16280 / 15619	DEF AT local marker foram increase	DEF IN 5
16340 / 15673	DEF AT Arenaceous fauna (local marker)	DEF AT 5
16400 / 15728	DEF AT local marker foram increase	DEF IN 5
16460 / 15782	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF IN 5
16580 / 15891	DEF AT faunal change (no faunal increase)	DEF AT 5
16640 / 15946	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
16940 / 16219	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
17090 / 16357	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
17240 / 16494	DEF AT local marker foram decrease	POS AT 4
17568 / 16795	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
17569 / 16796	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
17570 / 16797	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
17600 / 16825	DEF AT faunal change (no faunal increase)	DEF IN 5
17650 / 16871	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 161	Date of Summary: 22-OCT-1999	First Sample Examined: 0
Lease Number: G13367	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17650
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16870
API Well Number: 608074015801	Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth: 972
Public Info Code: Y 13-FEB-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5250 / 5244	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
9115 / 9051	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
10100 / 9957	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10460 / 10291	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11930 / 11648	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12980 / 12623	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
13280 / 12900	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
14240 / 13775	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
15550 / 14959	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 171	Date of Summary: 17-MAY-2005	First Sample Examined: 5900
Lease Number: G21379	Source of Paleo: OPERATOR	Borehole MD: 17594
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17315
API Well Number: 608074026700	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 5900 - 17594	Water Depth: 921
Public Info Code: Y 30-NOV-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5900 / 5899	DEF AT first sample examined	DEF AT
6140 / 6139	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6260 / 6259	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7370 / 7369	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9800 / 9799	DEF AT sample gap top	DEF AT
11230 / 11228	DEF AT sample gap bottom	DEF AT
11270 / 11268	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11630 / 11628	POS IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11990 / 11988	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13010 / 13007	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13212 / 13209	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13220 / 13217	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
13340 / 13337	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13370 / 13367	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13430 / 13426	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13610 / 13606	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13850 / 13845	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13940 / 13934	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
14210 / 14202	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14270 / 14261	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
14330 / 14321	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14480 / 14470	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 171	Date of Summary: 17-MAY-2005	First Sample Examined: 5900
Lease Number: G21379	Source of Paleo: OPERATOR	Borehole MD: 17594
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17315
API Well Number: 608074026700	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 5900 - 17594	Water Depth: 921
Public Info Code: Y 30-NOV-2007	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14660 / 14650	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
14779 / 14769	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14780 / 14770	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15140 / 15127	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15860 / 15808	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16340 / 16232	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
17210 / 16978	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17420 / 17161	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17480 / 17214	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
17594 / 17315	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 171	Date of Summary: 23-MAY-2005	First Sample Examined: 5900
Lease Number: G21379	Source of Paleo: OPERATOR	Borehole MD: 17594
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17315
API Well Number: 608074026700	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 5900 - 17594	Water Depth: 921
Public Info Code: Y 30-NOV-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5900 / 5899	DEF AT first sample examined	DEF AT 4
6170 / 6169	DEF AT -----	DEF AT 5
6860 / 6859	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
8840 / 8839	DEF AT -----	DEF IN 5
9200 / 9199	DEF AT -----	DEF AT 5
9800 / 9799	DEF AT sample gap top	POS AT 5
11231 / 11229	DEF AT sample gap bottom	DEF AT 5
11690 / 11688	POS IN Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
12620 / 12618	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
12710 / 12708	DEF AT -----	DEF AT 5
12950 / 12947	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
13250 / 13247	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13280 / 13277	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
13340 / 13337	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13370 / 13367	DEF AT -----	DEF AT 6
13430 / 13426	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
13610 / 13606	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
13670 / 13666	DEF AT -----	DEF AT 5
13790 / 13785	DEF AT -----	DEF IN 5
13970 / 13964	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 5
14450 / 14440	DEF AT -----	DEF AT 5
14750 / 14740	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 171	Date of Summary: 23-MAY-2005	First Sample Examined: 5900
Lease Number: G21379	Source of Paleo: OPERATOR	Borehole MD: 17594
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17315
API Well Number: 608074026700	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 5900 - 17594	Water Depth: 921
Public Info Code: Y 30-NOV-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
15260 / 15244	DEF AT - - - - -	DEF IN 5
15290 / 15273	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF IN 5
15500 / 15473	DEF AT - - - - -	DEF AT 5
15889 / 15834	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
15890 / 15835	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16340 / 16232	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
16460 / 16337	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
17210 / 16978	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
17330 / 17083	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
17420 / 17161	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
17480 / 17214	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
17594 / 17315	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 172	Date of Summary: 17-MAY-1995	First Sample Examined: 1840
Lease Number: G14221	Source of Paleo: OPERATOR	Borehole MD: 13680
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13100
API Well Number: 608074081700	Drilling Operator: HESS CORPORATION	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 1840 - 13680	Water Depth: 818
Public Info Code: Y 28-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
1840 / 1840	DEF AT first sample examined	DEF AT 4
3730 / 3730	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
6130 / 6129	DEF AT - - - - -	POS AT 5
7150 / 7100	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	POS AT 5
10060 / 9761	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	POS AT 5
11080 / 10694	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	POS AT 5
11440 / 11023	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	POS AT 5
13480 / 12914	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 5
13680 / 13101	DEF AT last sample examined	POS AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 172	Date of Summary: 18-MAY-1995	First Sample Examined: 1840
Lease Number: G14221	Source of Paleo: OPERATOR	Borehole MD: 13680
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13100
API Well Number: 608074081700	Drilling Operator: HESS CORPORATION	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 1840 - 13680	Water Depth: 818
Public Info Code: Y 28-APR-2005	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1840 / 1840	DEF AT first sample examined	DEF AT
2800 / 2800	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
3880 / 3880	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6070 / 6070	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
6130 / 6129	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7150 / 7100	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7690 / 7594	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10930 / 10558	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11409 / 10994	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11410 / 10995	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13419 / 12857	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
13420 / 12858	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13680 / 13101	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 197	Date of Summary: 17-FEB-2003	First Sample Examined: 1848
Lease Number: G19084	Source of Paleo: OPERATOR	Borehole MD: 7861
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7857
API Well Number: 608074025300	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 1848 - 7862	Water Depth: 782
Public Info Code: Y 19-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1848 / 1848	DEF AT first sample examined	DEF AT
2310 / 2310	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
3780 / 3780	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5070 / 5070	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5850 / 5850	DEF AT out-of-place section	DEF AT
6990 / 6989	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7350 / 7348	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7835 / 7831	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
7862 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 197	Date of Summary: 21-FEB-2003	First Sample Examined: 1848
Lease Number: G19084	Source of Paleo: OPERATOR	Borehole MD: 7861
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7857
API Well Number: 608074025300	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 1848 - 7862	Water Depth: 782
Public Info Code: Y 19-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1848 / 1848	DEF AT first sample examined	DEF AT 4
3180 / 3180	DEF AT - - - - -	DEF IN 4
3840 / 3840	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 4
5850 / 5850	DEF AT out-of-place section	DEF IN 4
7350 / 7348	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 4
7440 / 7438	DEF AT out-of-place section	DEF IN 4
7862 /	DEF AT last sample examined	DEF IN 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 197	Date of Summary: 21-AUG-2003	First Sample Examined: 4820
Lease Number: G19084	Source of Paleo: OPERATOR	Borehole MD: 7327
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6773
API Well Number: 608074025800	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 4820 - 7327	Water Depth: 561
Public Info Code: Y 19-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4820 / 4459	DEF AT first sample examined	DEF AT 5
5120 / 4704	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7327 / 6772	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 197	Date of Summary: 21-AUG-2003	First Sample Examined: 4820
Lease Number: G19084	Source of Paleo: OPERATOR	Borehole MD: 7327
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6773
API Well Number: 608074025800	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 4820 - 7327	Water Depth: 561
Public Info Code: Y 19-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4820 / 4459	DEF AT first sample examined	DEF AT
4821 / 4460	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7327 / 6772	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 215	Date of Summary: 01-MAR-1995	First Sample Examined: 2625
Lease Number: G09216	Source of Paleo: OPERATOR	Borehole MD: 16837
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16500
API Well Number: 608074081500	Drilling Operator: HESS CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 2	Sample Range: 2625 - 16837	Water Depth: 1611
Public Info Code: Y 08-MAR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2625 / 2625	DEF AT first sample examined	DEF AT 4
2750 / 2750	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
2840 / 2840	DEF AT - - - -	DEF AT 5
4700 / 4700	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
5420 / 5420	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
11060 / 11060	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
12260 / 12239	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
13070 / 12993	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
13340 / 13245	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15620 / 15365	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16460 / 16147	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
16760 / 16428	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
16837 / 16500	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 215	Date of Summary: 02-MAR-1996	First Sample Examined: 2625
Lease Number: G09216	Source of Paleo: OPERATOR	Borehole MD: 16837
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16500
API Well Number: 608074081500	Drilling Operator: HESS CORPORATION	Rkb Elevation: 99
Paleo Report Num: 2 of 2	Sample Range: 2625 - 16837	Water Depth: 1611
Public Info Code: Y 08-MAR-2005	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
2625 / 2625	DEF AT first sample examined	DEF AT
2626 / 2626	DEF IN Upper Pleistocene (Ionian) Emiliana huxleyi (base of acme)	DEF AT
3980 / 3980	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
7640 / 7640	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9679 / 9679	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9680 / 9680	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10850 / 10850	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12230 / 12210	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12560 / 12520	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13340 / 13245	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13370 / 13273	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13430 / 13329	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15650 / 15393	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16400 / 16091	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16430 / 16119	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16610 / 16287	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
16837 / 16500	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 215	Date of Summary: 17-JAN-1997	First Sample Examined: 0
Lease Number: G09216	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17016
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 17000
API Well Number: 608074015900	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1462
Public Info Code: Y 05-JAN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11870 / 11857	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
13700 / 13687	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
14030 / 14016	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
15350 / 15336	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 215	Date of Summary: 08-APR-1997	First Sample Examined: 0
Lease Number: G09216	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 21692
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 21683
API Well Number: 608074016000	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1451
Public Info Code: Y 07-MAR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
11240 / 11235	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
13600 / 13595	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
15460 / 15455	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
18120 / 18114	DEF AT salt	DEF AT
19060 / 19053	DEF AT base of salt	DEF AT
19600 / 19592	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 215	Date of Summary: 13-JUN-1995	First Sample Examined: 0
Lease Number: G14224	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 20171
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18483
API Well Number: 608074081502	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1611
Public Info Code: Y 30-MAY-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13580 / 13162	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
16170 / 15252	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 215	Date of Summary: 13-JUN-1995	First Sample Examined: 0
Lease Number: G14224	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 20826
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18331
API Well Number: 608074081503	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1611
Public Info Code: Y 19-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17190 / 16036	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
18110 / 16623	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 216	Date of Summary: 09-JAN-1996	First Sample Examined: 2600
Lease Number: G14224	Source of Paleo: OPERATOR	Borehole MD: 16782
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16776
API Well Number: 608074081900	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 2600 - 16782	Water Depth: 1456
Public Info Code: Y 07-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
2600 / 2600	DEF AT first sample examined	DEF AT 4
2690 / 2690	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
3800 / 3800	DEF AT - - - - -	DEF AT 5
6890 / 6890	DEF AT - - - - -	DEF AT 4
9260 / 9260	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
12650 / 12649	DEF AT - - - - -	DEF AT 5
12770 / 12769	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
13610 / 13609	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
14210 / 14208	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
16160 / 16152	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16310 / 16302	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
16520 / 16511	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
16610 / 16600	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
16782 / 16771	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 216	Date of Summary: 27-OCT-1997	First Sample Examined: 0
Lease Number: G14224	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 20500
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 20400
API Well Number: 608074016700	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1447
Public Info Code: Y 27-OCT-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9290 / 9290	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
11480 / 11480	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
15140 / 15054	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT
15980 / 15882	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
16250 / 16151	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
16310 / 16211	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
16520 / 16421	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
18440 / 18340	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 235	Date of Summary: 20-AUG-1990	First Sample Examined: 1700
Lease Number: G07454	Source of Paleo: OPERATOR	Borehole MD: 11596
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9096
API Well Number: 608074062000	Drilling Operator: UNION TEXAS PETROLEUM CORP	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 1700 - 11590	Water Depth: 806
Public Info Code: Y 31-AUG-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1700 / 1700	DEF AT first sample examined	DEF AT
1970 / 1970	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
4280 / 4280	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7610 / 6783	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11590 / 9093	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 244	Date of Summary: 30-OCT-1997	First Sample Examined: 5670
Lease Number: G15860	Source of Paleo: OPERATOR	Borehole MD: 17258
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17250
API Well Number: 608074017100	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5670 - 17215	Water Depth: 2124
Public Info Code: Y 14-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5670 /	DEF AT first sample examined	DEF AT
6480 /	DEF AT - - - - -	DEF AT 4
7770 /	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
15300 /	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
17215 /	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 244	Date of Summary: 30-OCT-1997	First Sample Examined: 5670
Lease Number: G15860	Source of Paleo: OPERATOR	Borehole MD: 17258
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17250
API Well Number: 608074017100	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 5670 - 17215	Water Depth: 2124
Public Info Code: Y 14-OCT-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
5670 /	DEF AT first sample examined	DEF AT
6330 /	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9180 /	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12090 /	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
12180 /	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12660 /	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13770 /	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14520 /	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15270 /	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
15450 /	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
17215 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 260	Date of Summary: 07-OCT-1998	First Sample Examined: 0
Lease Number: G07462	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17239
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 17000
API Well Number: 608074016800	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1648
Public Info Code: Y 01-OCT-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15737 / 15499	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16930 / 16692	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 260	Date of Summary: 29-JAN-1999	First Sample Examined: 0
Lease Number: G07462	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17000
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 16959
API Well Number: 608074016200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1646
Public Info Code: Y 29-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13976 / 13939	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16668 / 16628	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 260	Date of Summary: 12-APR-1999	First Sample Examined: 0
Lease Number: G07462	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17172
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 16580
API Well Number: 608074081801	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1646
Public Info Code: Y 06-DEC-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15100 / 14527	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
15735 / 15151	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 300	Date of Summary: 18-FEB-2003	First Sample Examined: 4030
Lease Number: G19097	Source of Paleo: OPERATOR	Borehole MD: 11408
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11159
API Well Number: 608074025200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 4030 - 11350	Water Depth: 1750
Public Info Code: Y 31-DEC-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4030 / 4030	DEF AT first sample examined	DEF AT
4031 / 4031	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6730 / 6730	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9730 / 9615	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11350 / 11106	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 300	Date of Summary: 19-FEB-2003	First Sample Examined: 4030
Lease Number: G19097	Source of Paleo: OPERATOR	Borehole MD: 11408
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11159
API Well Number: 608074025200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 4030 - 11350	Water Depth: 1750
Public Info Code: Y 31-DEC-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4030 / 4030	DEF AT first sample examined	DEF IN 4
4900 / 4900	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
5020 / 5020	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 4
11350 / 11106	DEF AT last sample examined	DEF IN 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 300	Date of Summary: 18-FEB-2003	First Sample Examined: 11380
Lease Number: G19097	Source of Paleo: OPERATOR	Borehole MD: 20421
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19637
API Well Number: 608074025201	Drilling Operator: HESS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 11380 - 20410	Water Depth: 1732
Public Info Code: Y 31-DEC-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11380 / 11101	DEF AT first sample examined	DEF AT
11890 / 11580	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13120 / 12732	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13990 / 13551	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14710 / 14224	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
14770 / 14280	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16540 / 15928	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17200 / 16547	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
18520 / 17799	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
18640 / 17914	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 1
19420 / 18663	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
19510 / 18750	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
19840 / 19070	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
20170 / 19391	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
20260 / 19479	DEF AT Lower Miocene (Aquitanean) Discoaster saundersi	DEF AT
20380 / 19597	DEF AT Lower Miocene (Aquitanean) Helicosphaera recta	DEF AT
20410 / 19626	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 300	Date of Summary: 19-FEB-2003	First Sample Examined: 11320
Lease Number: G19097	Source of Paleo: OPERATOR	Borehole MD: 20421
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19637
API Well Number: 608074025201	Drilling Operator: HESS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 11320 - 20410	Water Depth: 1732
Public Info Code: Y 31-DEC-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11320 / 11045	DEF AT first sample examined	DEF AT 5
11800 / 11495	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
11890 / 11580	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
13120 / 12732	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
14770 / 14280	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
16540 / 15928	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16930 / 16294	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
18580 / 17856	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
18640 / 17914	DEF AT - - - - -	DEF AT 6
18700 / 17971	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
19390 / 18634	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
19510 / 18750	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
19630 / 18866	DEF AT - - - - -	DEF AT 5
20410 / 19626	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 303	Date of Summary: 11-JAN-2005	First Sample Examined: 6560
Lease Number: G17336	Source of Paleo: OPERATOR	Borehole MD: 18071
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17959
API Well Number: 608074026800	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6560 - 18071	Water Depth: 2151
Public Info Code: Y 25-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6560 / 6560	DEF AT first sample examined	DEF AT 5
6561 / 6561	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
6980 / 6980	DEF AT - - - - -	DEF AT 4
10820 / 10819	DEF AT - - - - -	DEF AT 5
10970 / 10969	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
11750 / 11738	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
11810 / 11796	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
11930 / 11911	DEF AT - - - - -	DEF AT 4
13010 / 12951	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
13220 / 13153	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
13670 / 13586	DEF AT - - - - -	DEF IN 5
13790 / 13702	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13850 / 13760	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
13910 / 13818	DEF AT - - - - -	DEF AT 5
15290 / 15181	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15710 / 15601	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
15830 / 15721	DEF AT - - - - -	DEF AT 4
16640 / 16530	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
17720 / 17609	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
18071 / 17959	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 303	Date of Summary: 11-JAN-2005	First Sample Examined: 6560
Lease Number: G17336	Source of Paleo: OPERATOR	Borehole MD: 18071
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17959
API Well Number: 608074026800	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6560 - 18071	Water Depth: 2151
Public Info Code: Y 25-JUL-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
6560 / 6560	DEF AT first sample examined	DEF AT
6561 / 6561	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8720 / 8720	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10940 / 10939	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11810 / 11796	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13010 / 12951	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13250 / 13182	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13700 / 13615	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13790 / 13702	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13820 / 13731	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15260 / 15151	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15740 / 15631	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16250 / 16140	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16640 / 16530	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
17749 / 17638	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
17750 / 17639	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
18071 / 17959	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 303	Date of Summary: 22-FEB-2005	First Sample Examined: 12590
Lease Number: G17336	Source of Paleo: OPERATOR	Borehole MD: 17123
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16112
API Well Number: 608074026801	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 12590 - 17030	Water Depth: 2228
Public Info Code: Y 25-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12590 / 12547	DEF AT first sample examined	DEF AT 4
12680 / 12634	POS IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
12830 / 12780	DEF AT - - - - -	DEF AT 5
13040 / 12985	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
13190 / 13132	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
13700 / 13621	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13760 / 13676	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
13820 / 13729	DEF AT - - - - -	DEF AT 5
15260 / 14803	DEF AT - - - - -	DEF IN 5
15290 / 14823	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
15470 / 14948	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
15620 / 15051	DEF AT - - - - -	DEF AT 5
16010 / 15318	DEF AT - - - - -	DEF IN 5
16370 / 15569	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
16430 / 15612	DEF AT - - - - -	DEF AT 5
17030 / 16044	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 303	Date of Summary: 22-FEB-2005	First Sample Examined: 12590
Lease Number: G17336	Source of Paleo: OPERATOR	Borehole MD: 17123
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16112
API Well Number: 608074026801	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 12590 - 17030	Water Depth: 2228
Public Info Code: Y 25-JUL-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
12590 / 12547	DEF AT first sample examined	DEF AT
13040 / 12985	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13190 / 13132	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13610 / 13537	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13700 / 13621	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13730 / 13648	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15230 / 14782	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15678 / 15090	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16190 / 15443	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16370 / 15569	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
17030 / 16044	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 329	Date of Summary: 16-FEB-1999	First Sample Examined: 0
Lease Number: G19104	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13654
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13654
API Well Number: 608074019000	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 2083
Public Info Code: Y 29-SEP-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 5000	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7000 / 7000	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 329	Date of Summary: 25-MAY-1999	First Sample Examined: 0
Lease Number: G19104	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 21200
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21186
API Well Number: 608074019001	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 2083
Public Info Code: Y 29-SEP-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17000 / 16988	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
18000 / 17985	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 386	Date of Summary: 17-NOV-1997	First Sample Examined: 4226
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 20118
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19451
API Well Number: 608074016600	Drilling Operator: NEWFIELD EXPLORATION GULF COAST INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 4226 - 20120	Water Depth: 2663
Public Info Code: Y 14-NOV-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4226 / 4226	DEF AT first sample examined	DEF AT
4460 / 4459	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6020 / 6017	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
11030 / 11026	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
13850 / 13768	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
13880 / 13795	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
16010 / 15702	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
18720 / 18180	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
19530 / 18921	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
20120 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 386	Date of Summary: 20-NOV-1997	First Sample Examined: 4226
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 20118
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19451
API Well Number: 608074016600	Drilling Operator: NEWFIELD EXPLORATION GULF COAST INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 4226 - 20120	Water Depth: 2663
Public Info Code: Y 14-NOV-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4226 / 4226	DEF AT first sample examined	POS AT 4
4227 / 4227	DEF AT cement	POS AT 4
4370 / 4369	DEF AT - - - - -	DEF AT 4
4580 / 4579	DEF AT - - - - -	DEF AT 5
5660 / 5657	DEF AT - - - - -	DEF IN 5
6110 / 6107	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
6170 / 6167	DEF AT - - - - -	DEF AT 5
6590 / 6587	DEF AT - - - - -	DEF AT 4
7580 / 7576	DEF AT - - - - -	DEF AT 5
7790 / 7786	DEF AT - - - - -	DEF AT 4
8600 / 8596	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
11240 / 11236	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
13880 / 13795	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
18750 / 18208	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
20120 /	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 387	Date of Summary: 18-JAN-1996	First Sample Examined: 6720
Lease Number: G07485	Source of Paleo: OPERATOR	Borehole MD: 11486
Well Name: SB001	Paleo Done By: OPERATOR	Borehole TVD: 11300
API Well Number: 608074014000	Drilling Operator: ENSERCH EXPLORATION INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 6720 - 11490	Water Depth: 2081
Public Info Code: Y 28-OCT-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Consultant-integrated foram and nanno report done by Ragan Biostrat, 10200=Globorotalia planispira

MD / TVD	Paleo Top Description	Ecozone
6720 / 6597	DEF AT first sample examined	DEF AT
6839 / 6710	DEF AT sequence boundary	DEF AT
6840 / 6711	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8009 / 7843	DEF AT sequence boundary	DEF AT
8010 / 7844	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT
9000 / 8815	DEF AT local marker foram increase	DEF AT
9150 / 8965	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT
9419 / 9234	POS AT unconformity	DEF AT
9420 / 9235	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
10200 / 10014	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT
10410 / 10224	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10980 / 10794	DEF AT sequence boundary	DEF AT
11010 / 10824	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT
11190 / 11004	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11430 / 11244	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11490 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 387	Date of Summary: 18-JAN-1996	First Sample Examined: 6720
Lease Number: G07485	Source of Paleo: OPERATOR	Borehole MD: 11400
Well Name: SB001	Paleo Done By: OPERATOR	Borehole TVD: 11271
API Well Number: 608074014001	Drilling Operator: ENSERCH EXPLORATION INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 6180 - 11400	Water Depth: 2081
Public Info Code: Y 20-DEC-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report done by Ragan Biostrat

MD / TVD	Paleo Top Description	Ecozone
6720 / 6609	DEF AT first sample examined	DEF AT
6809 / 6695	DEF AT sequence boundary	DEF AT
6810 / 6696	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8009 / 7880	DEF AT sequence boundary	DEF AT
8010 / 7881	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT
9000 / 8871	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT
9240 / 9111	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
10499 / 10370	DEF AT Cyclamina sp. (local marker)	DEF AT
10500 / 10371	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT
11400 / 11271	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 387	Date of Summary: 17-MAR-1997	First Sample Examined: 0
Lease Number: G07485	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 19000
Well Name: SB003	Paleo Done By: OPERATOR	Borehole TVD: 15965
API Well Number: 608074015200	Drilling Operator: ENSERCH EXPLORATION INC	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 2081
Public Info Code: Y 15-SEP-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
11790 / 9520	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11910 / 9602	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15480 / 12483	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17700 / 14669	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
18150 / 15116	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18360 / 15326	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
18450 / 15416	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 409	Date of Summary: 19-MAY-1997	First Sample Examined: 2800
Lease Number: G15891	Source of Paleo: OPERATOR	Borehole MD: 8660
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8660
API Well Number: 608074016300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 2800 - 8660	Water Depth: 1355
Public Info Code: Y 12-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Lady Bug Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
2800 / 2800	DEF AT first sample examined	DEF AT
4240 / 4239	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
4810 / 4809	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5440 / 5439	POS AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
5530 / 5529	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7520 / 7519	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7820 / 7819	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8480 / 8479	POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
8660 / 8659	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 409	Date of Summary: 29-MAY-1997	First Sample Examined: 2880
Lease Number: G15891	Source of Paleo: OPERATOR	Borehole MD: 8660
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8660
API Well Number: 608074016300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 2800 - 8660	Water Depth: 1355
Public Info Code: Y 12-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Lady Bug Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2800 / 2800	DEF AT first sample examined	POS AT 2
2920 / 2920	DEF AT -----	DEF AT 2
3070 / 3070	DEF AT -----	DEF IN 2
3670 / 3670	DEF AT -----	DEF IN 3
3790 / 3790	DEF AT -----	DEF AT 3
3940 / 3940	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
4179 / 4179	DEF AT local marker planktic foram increase	DEF AT 4
4180 / 4180	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
4210 / 4209	DEF AT foram flood	DEF AT 5
4360 / 4359	DEF AT -----	DEF IN 4
4600 / 4599	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
4690 / 4689	DEF AT -----	DEF AT 4
4780 / 4779	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
4960 / 4959	DEF AT -----	DEF IN 4
5079 / 5078	DEF AT foram flood	DEF AT 5
5080 / 5079	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
5200 / 5199	DEF AT -----	DEF IN 4
5470 / 5469	DEF AT -----	DEF AT 4
5530 / 5529	DEF AT miliolid limestone	DEF IN 4
5740 / 5739	DEF AT local marker benthic foram increase	DEF IN 4
5950 / 5949	DEF AT local marker foram increase	DEF IN 4
5980 / 5979	DEF AT foram flood	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 409	Date of Summary: 29-MAY-1997	First Sample Examined: 2880
Lease Number: G15891	Source of Paleo: OPERATOR	Borehole MD: 8660
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8660
API Well Number: 608074016300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 2800 - 8660	Water Depth: 1355
Public Info Code: Y 12-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
6070 / 6069	DEF AT -----	DEF IN 3
6580 / 6579	DEF AT local marker foram increase	DEF AT 5
6820 / 6819	DEF AT -----	DEF IN 4
6850 / 6849	DEF AT -----	DEF AT 4
7000 / 6999	DEF AT -----	DEF IN 3
7060 / 7059	DEF AT -----	DEF AT 4
7150 / 7149	DEF AT local marker planktic foram increase	DEF AT 4
7390 / 7389	DEF AT -----	DEF AT 3
7459 / 7458	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
7460 / 7459	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 4
7670 / 7669	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
7820 / 7819	DEF AT local marker foram increase	DEF AT 4
7970 / 7969	DEF AT -----	DEF AT 4
8030 / 8029	DEF AT -----	DEF IN 4
8330 / 8329	DEF AT -----	DEF AT 4
8660 / 8659	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 409	Date of Summary: 17-JUN-1997	First Sample Examined: 2780
Lease Number: G15891	Source of Paleo: OPERATOR	Borehole MD: 9011
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8580
API Well Number: 608074063400	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 2780 - 9011	Water Depth: 1355
Public Info Code: Y 04-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Lady Bug Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
2780 / 2780	DEF AT first sample examined	DEF AT
4270 / 4211	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
4330 / 4266	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5410 / 5257	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6430 / 6191	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7210 / 6906	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8590 / 8174	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8830 / 8398	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9011 / 8566	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 409	Date of Summary: 17-AUG-1997	First Sample Examined: 2780
Lease Number: G15891	Source of Paleo: OPERATOR	Borehole MD: 9011
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8580
API Well Number: 608074063400	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 2780 - 9011	Water Depth: 1355
Public Info Code: Y 04-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Lady Bug Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2780 / 2780	DEF AT first sample examined	DEF IN 2
2920 / 2920	DEF AT local marker benthic foram increase	DEF AT 3
4000 / 3962	DEF AT local marker planktic foram increase	DEF IN 3
4210 / 4156	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF IN 3
4240 / 4183	DEF AT local marker planktic foram increase	DEF AT 4
4300 / 4238	DEF AT foram flood	DEF AT 5
4450 / 4376	DEF AT -----	DEF IN 4
4540 / 4458	DEF AT -----	DEF AT 4
4600 / 4514	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
4660 / 4569	DEF AT -----	DEF IN 3
4780 / 4680	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 3
5050 / 4928	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 3
5080 / 4956	DEF AT -----	DEF AT 4
5110 / 4983	DEF AT -----	DEF AT 5
5410 / 5257	DEF AT -----	DEF IN 4
5500 / 5340	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
6130 / 5916	DEF AT -----	DEF AT 4
6610 / 6356	DEF AT -----	DEF IN 3
6790 / 6521	DEF AT -----	DEF AT 4
7180 / 6878	DEF AT -----	DEF IN 4
7330 / 7016	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7450 / 7126	DEF AT -----	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 409	Date of Summary: 17-AUG-1997	First Sample Examined: 2780
Lease Number: G15891	Source of Paleo: OPERATOR	Borehole MD: 9011
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8580
API Well Number: 608074063400	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 2780 - 9011	Water Depth: 1355
Public Info Code: Y 04-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8230 / 7841	DEF AT - - - - -	DEF AT 4
8500 / 8091	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
8620 / 8202	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
8680 / 8258	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
8890 / 8453	DEF AT - - - - -	DEF IN 4
9011 / 8566	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 409	Date of Summary: 16-JUL-1997	First Sample Examined: 2800
Lease Number: G15891	Source of Paleo: OPERATOR	Borehole MD: 9000
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 6985
API Well Number: 608074063500	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 2800 - 9000	Water Depth: 1360
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Lady Bug Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2800 / 2800	DEF AT first sample examined	DEF AT
4240 / 4186	DEF AT local marker floral increase	DEF AT
4900 / 4736	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5440 / 5110	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6640 / 5742	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8020 / 6457	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8380 / 6646	DEF AT local marker floral increase	DEF AT
9000 / 6985	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 409	Date of Summary: 06-SEP-1997	First Sample Examined: 2800
Lease Number: G15891	Source of Paleo: OPERATOR	Borehole MD: 9000
Well Name: 003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 6985
API Well Number: 608074063500	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 2800 - 9000	Water Depth: 1360
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Lady Bug Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2800 / 2800	DEF AT first sample examined	DEF AT 3
4180 / 4132	DEF AT local marker foram increase	DEF IN 3
4240 / 4186	DEF IN Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
4270 / 4213	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
4390 / 4318	DEF AT -----	DEF IN 4
4630 / 4521	DEF AT -----	DEF AT 4
4690 / 4570	DEF AT local marker benthic foram increase	DEF AT 4
4720 / 4594	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
4900 / 4736	DEF AT local marker planktic foram increase	DEF AT 5
5080 / 4871	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5170 / 4935	DEF AT local marker benthic foram increase	DEF AT 5
5380 / 5073	DEF AT limestone	DEF AT 5
5470 / 5129	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
5770 / 5302	DEF AT -----	DEF IN 4
5830 / 5334	DEF AT limestone	DEF IN 4
6070 / 5456	DEF AT local marker benthic foram increase	DEF IN 4
6220 / 5530	DEF AT -----	DEF AT 4
6370 / 5604	DEF AT -----	DEF IN 4
6430 / 5634	DEF AT -----	DEF AT 4
6610 / 5727	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 4
6700 / 5774	DEF AT -----	DEF AT 4
6730 / 5789	DEF AT -----	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 409	Date of Summary: 06-SEP-1997	First Sample Examined: 2800
Lease Number: G15891	Source of Paleo: OPERATOR	Borehole MD: 9000
Well Name: 003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 6985
API Well Number: 608074063500	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 2800 - 9000	Water Depth: 1360
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6880 / 5867	DEF AT - - - - -	DEF IN 3
7960 / 6426	DEF AT local marker benthic foram increase	DEF IN 3
8020 / 6457	DEF AT local marker planktic foram increase	DEF IN 4
8080 / 6489	DEF AT limestone	DEF IN 4
8980 / 6974	DEF AT last sample examined	DEF IN 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 426	Date of Summary: 15-JUL-1999	First Sample Examined: 20990
Lease Number: G07493	Source of Paleo: OPERATOR	Borehole MD: 26020
Well Name: A011	Paleo Done By: OPERATOR	Borehole TVD: 20722
API Well Number: 608074008900	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 170
Paleo Report Num: 1 of 1	Sample Range: 19403 - 26020	Water Depth: 2862
Public Info Code: Y 03-JUL-2006	Ecozone Eq MMS: N	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
20990 / 16349	DEF AT first sample examined	DEF AT
20991 / 16350	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
21980 / 17165	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
22910 / 17991	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
22940 / 18017	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
23000 / 18071	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
23240 / 18284	POS IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT
24740 / 19616	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
25890 / 20638	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
26020 / 20753	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 458	Date of Summary: 20-JUL-1999	First Sample Examined: 0
Lease Number: G19124	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15755
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15750
API Well Number: 608074082100	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 2183
Public Info Code: Y 30-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: 11940=Glomospira charoides

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4350 / 4349	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
5610 / 5606	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT
11940 / 11936	DEF AT local marker benthic foram increase	DEF AT
13320 / 13315	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT
15120 / 15115	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 485	Date of Summary: 23-NOV-1999	First Sample Examined: 4270
Lease Number: G17376	Source of Paleo: OPERATOR	Borehole MD: 11223
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11087
API Well Number: 608074065200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 4270 - 11223	Water Depth: 2753
Public Info Code: Y 31-JAN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 9050=10% TO 20% anhydrite to 9230, 9920=10% to 30% anhydrite 10220, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4270 / 4270	DEF AT first sample examined	DEF AT
4271 / 4271	DEF AT cement	DEF AT
4690 / 4690	DEF AT - - - - -	DEF AT 4
5270 / 5270	DEF AT - - - - -	DEF AT 5
5420 / 5420	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
5570 / 5570	DEF AT - - - - -	DEF IN 5
5870 / 5870	DEF AT - - - - -	DEF AT 5
6890 / 6879	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6980 / 6964	DEF AT - - - - -	DEF IN 5
7370 / 7311	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 5
8570 / 8434	DEF AT - - - - -	DEF AT 5
9050 / 8914	DEF AT anhydrite	DEF AT 5
9920 / 9784	DEF AT anhydrite	DEF AT 5
10430 / 10294	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5
11223 / 11087	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 485	Date of Summary: 23-NOV-1999	First Sample Examined: 4270
Lease Number: G17376	Source of Paleo: OPERATOR	Borehole MD: 11223
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11087
API Well Number: 608074065200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 4270 - 11223	Water Depth: 2753
Public Info Code: Y 31-JAN-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4270 / 4270	DEF AT first sample examined	DEF AT
5720 / 5720	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6530 / 6529	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7190 / 7155	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8240 / 8110	DEF AT local marker floral increase	DEF AT
10370 / 10234	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10580 / 10444	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11223 / 11087	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 487	Date of Summary: 19-DEC-2002	First Sample Examined: 4690
Lease Number: G23321	Source of Paleo: OPERATOR	Borehole MD: 19043
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18624
API Well Number: 608074066600	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 4690 - 19010	Water Depth: 2753
Public Info Code: Y 22-NOV-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
4690 / 4690	DEF AT first sample examined	DEF AT
4691 / 4691	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6250 / 6250	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10400 / 10386	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12290 / 12115	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
12380 / 12198	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
17750 / 17355	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
18500 / 18091	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
19040 / 18622	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 487	Date of Summary: 14-JAN-2003	First Sample Examined: 4690
Lease Number: G23321	Source of Paleo: OPERATOR	Borehole MD: 19043
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18624
API Well Number: 608074066600	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 4690 - 19010	Water Depth: 2753
Public Info Code: Y 22-NOV-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4690 / 4690	DEF AT first sample examined	DEF IN 4
9400 / 9400	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
11510 / 11403	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 4
14690 / 14399	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF IN 4
18500 / 18091	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
19010 / 18592	DEF AT last sample examined	DEF IN 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 487	Date of Summary: 19-DEC-2002	First Sample Examined: 9630
Lease Number: G23321	Source of Paleo: OPERATOR	Borehole MD: 15700
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13957
API Well Number: 608074066601	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 9630 - 15700	Water Depth: 2753
Public Info Code: Y 22-NOV-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9630 / 9630	DEF AT first sample examined	DEF IN 4
10530 / 10507	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 4
14910 / 13449	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 4
15360 / 13740	DEF AT out-of-place section	DEF IN 4
15600 / 13894	DEF AT anhydrite	DEF AT
15601 / 13894	POS AT salt	DEF AT
15700 / 13958	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 516	Date of Summary: 07-JUL-1996	First Sample Examined: 8282
Lease Number: G08252	Source of Paleo: OPERATOR	Borehole MD: 12261
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12140
API Well Number: 608074014300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 3	Sample Range: 8282 - 12270	Water Depth: 3153
Public Info Code: Y 03-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 003

Remark:

MD / TVD	Paleo Top Description	Ecozone
8282 / 8170	DEF AT first sample examined	DEF IN 3
8490 / 8377	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 3
8880 / 8765	DEF AT faunal change (no faunal increase)	DEF AT 3
9090 / 8975	DEF AT local marker foram increase	DEF IN 4
9150 / 9034	DEF AT faunal change (no faunal increase)	DEF IN 3
9180 / 9064	DEF AT faunal change (no faunal increase)	DEF AT 4
9270 / 9154	DEF AT faunal change (no faunal increase)	DEF IN 3
9300 / 9184	DEF AT faunal change (no faunal increase)	DEF AT 4
9360 / 9244	DEF AT faunal change (no faunal increase)	DEF IN 3
9570 / 9453	DEF AT local marker foram increase	DEF AT 4
9660 / 9543	DEF AT faunal change (no faunal increase)	DEF IN 4
10020 / 9902	DEF AT faunal change (no faunal increase)	DEF AT 4
10050 / 9932	DEF AT faunal change (no faunal increase)	DEF AT 3
10170 / 10051	DEF AT faunal change (no faunal increase)	DEF AT 4
10230 / 10111	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 3
10650 / 10530	DEF AT faunal change (no faunal increase)	DEF AT 3
11430 / 11310	DEF AT faunal change (no faunal increase)	DEF IN 3
11640 / 11519	DEF AT faunal change (no faunal increase)	DEF AT 4
11730 / 11609	DEF AT faunal change (no faunal increase)	DEF IN 3
11850 / 11729	DEF AT faunal change (no faunal increase)	DEF AT 4
11880 / 11759	DEF AT faunal change (no faunal increase)	DEF IN 3
11910 / 11789	DEF AT faunal change (no faunal increase)	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 516	Date of Summary: 07-JUL-1996	First Sample Examined: 8282
Lease Number: G08252	Source of Paleo: OPERATOR	Borehole MD: 12261
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12140
API Well Number: 608074014300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 3	Sample Range: 8282 - 12270	Water Depth: 3153
Public Info Code: Y 03-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11940 / 11819	DEF AT faunal change (no faunal increase)	DEF IN 3
11970 / 11849	DEF AT local marker foram increase	DEF AT 4
12030 / 11909	DEF AT faunal change (no faunal increase)	DEF IN 4
12210 / 12089	DEF AT faunal change (no faunal increase)	DEF AT 3
12270 /	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 516	Date of Summary: 13-AUG-1996	First Sample Examined: 8280
Lease Number: G08252	Source of Paleo: OPERATOR	Borehole MD: 12261
Well Name: 001	Paleo Done By: LAURALEE R. REUGGER	Borehole TVD: 12140
API Well Number: 608074014300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 2 of 3	Sample Range: 8280 - 12261	Water Depth: 3153
Public Info Code: Y 03-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, see company-integrated foram and nanno report for summary

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8280 / 8168	DEF AT first sample examined	DEF AT
8400 / 8287	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9090 / 8975	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9570 / 9453	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
12261 / 12140	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 516	Date of Summary: 22-DEC-1998	First Sample Examined: 8280
Lease Number: G08252	Source of Paleo: OPERATOR	Borehole MD: 12261
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12140
API Well Number: 608074014300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 3 of 3	Sample Range: 7080 - 12270	Water Depth: 3153
Public Info Code: Y 03-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8280 / 8168	DEF AT first sample examined	POS IN 3
8400 / 8287	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 3
8490 / 8377	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 3
9090 / 8975	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 4
9570 / 9453	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF IN 3
10230 / 10111	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 3
11670 / 11549	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
12240 / 12119	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 516	Date of Summary: 01-DEC-2000	First Sample Examined: 8030
Lease Number: G08252	Source of Paleo: OPERATOR	Borehole MD: 14463
Well Name: SE002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12587
API Well Number: 608074022400	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 8030 - 14430	Water Depth: 3400
Public Info Code: Y 03-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Serrano Prospect

MD / TVD	Paleo Top Description	Ecozone
8000 / 7810	DEF AT first sample examined	DEF AT 4
9920 / 9214	DEF AT faunal change (no faunal increase)	DEF IN 4
9980 / 9258	DEF AT faunal change (no faunal increase)	DEF AT 4
10760 / 9837	DEF AT gray shale	DEF AT 4
13700 / 12013	POS AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
14300 / 12463	DEF AT last sample examined	POS AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 516	Date of Summary: 01-JAN-2001	First Sample Examined: 8000
Lease Number: G08252	Source of Paleo: OPERATOR	Borehole MD: 14463
Well Name: SE002	Paleo Done By: OPERATOR	Borehole TVD: 12587
API Well Number: 608074022400	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 8000 - 14463	Water Depth: 3400
Public Info Code: Y 03-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Serrano Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7810	DEF AT first sample examined	DEF AT
8480 / 8174	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10490 / 9636	DEF AT reworked material	DEF AT
12770 / 11322	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
13160 / 11614	DEF AT reworked material	DEF AT
13220 / 11659	DEF AT reworked material	DEF AT
13730 / 12035	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14120 / 12327	POS AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
14210 / 12395	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14430 / 12562	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 516	Date of Summary: 01-DEC-2000	First Sample Examined: 8450
Lease Number: G08252	Source of Paleo: OPERATOR	Borehole MD: 13108
Well Name: SE002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12145
API Well Number: 608074022401	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 8450 - 13070	Water Depth: 3400
Public Info Code: Y 03-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Serrano Prospect

MD / TVD	Paleo Top Description	Ecozone
8450 / 8177	DEF AT first sample examined	POS AT 4
8660 / 8350	DEF AT faunal change (no faunal increase)	DEF AT 4
8750 / 8425	DEF AT gray shale	DEF AT 4
8779 / 8449	POS AT reworked material	DEF AT 4
8780 / 8450	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
8870 / 8526	DEF AT gray shale	DEF AT 4
9590 / 9136	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
9650 / 9187	DEF AT faunal change (no faunal increase)	DEF AT 4
10310 / 9753	DEF AT gray shale	DEF IN 4
10340 / 9779	DEF AT faunal change (no faunal increase)	DEF AT 4
13100 / 12139	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 516	Date of Summary: 01-JAN-2001	First Sample Examined: 8450
Lease Number: G08252	Source of Paleo: OPERATOR	Borehole MD: 13108
Well Name: SE002	Paleo Done By: OPERATOR	Borehole TVD: 12145
API Well Number: 608074022401	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 8450 - 13100	Water Depth: 3400
Public Info Code: Y 03-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Serrano Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8450 / 8177	DEF AT first sample examined	DEF AT
8451 / 8178	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9590 / 9136	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa T.R.	DEF AT
9770 / 9290	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
12230 / 11401	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12260 / 11427	DEF AT reworked material	DEF AT
12290 / 11452	DEF AT reworked material	DEF AT
12530 / 11655	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13070 / 12113	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 516	Date of Summary: 01-MAR-2001	First Sample Examined: 8010
Lease Number: G08252	Source of Paleo: OPERATOR	Borehole MD: 12850
Well Name: SE002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12110
API Well Number: 608074022402	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 8010 - 12840	Water Depth: 3400
Public Info Code: Y 03-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 7819	DEF AT first sample examined	POS AT 4
8700 / 8446	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
12560 / 11863	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
12840 / 12101	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 516	Date of Summary: 01-MAR-2001	First Sample Examined: 8010
Lease Number: G08252	Source of Paleo: OPERATOR	Borehole MD: 12850
Well Name: SE002	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 12110
API Well Number: 608074022402	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 8010 - 12850	Water Depth: 3400
Public Info Code: Y 03-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 7819	DEF AT first sample examined	DEF AT
8760 / 8503	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12840 / 12101	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12850 / 12110	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 561	Date of Summary: 01-NOV-2006	First Sample Examined: 5500
Lease Number: G15914	Source of Paleo: OPERATOR	Borehole MD: 32450
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 32440
API Well Number: 608074027900	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 5500 - 32450	Water Depth: 2384
Public Info Code: Y 30-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Grand Cayman Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5500 / 5500	DEF AT first sample examined	DEF IN 5
5619 / 5619	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
5620 / 5620	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscentis (acme "B")	DEF IN 5
5830 / 5830	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
5950 / 5950	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
6309 / 6309	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
6310 / 6310	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
6580 / 6580	DEF AT out-of-place section	DEF AT 5
6609 / 6609	DEF AT gypsum	DEF AT 5
6610 / 6610	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
6640 / 6640	DEF IN salt	DEF AT 5
27910 / 27909	DEF AT out-of-place section	DEF AT 5
27929 / 27928	DEF IN out-of-place section	DEF AT 5
27930 / 27929	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
28013 / 28012	DEF AT - - - -	DEF AT 4
28070 / 28069	DEF AT reworked material	DEF AT 4
28160 / 28159	DEF IN salt	DEF AT 4
31640 / 31634	DEF AT out-of-place section	POS AT 5
31700 / 31694	DEF IN out-of-place section	POS AT 4
31910 / 31903	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT 4
32450 / 32440	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 602	Date of Summary: 14-JUL-1996	First Sample Examined: 18000
Lease Number: G11553	Source of Paleo: OPERATOR	Borehole MD: 24653
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 24650
API Well Number: 608074015100	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 13500 - 24642	Water Depth: 3665
Public Info Code: Y 04-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
18000 /	DEF AT first sample examined	POS AT 4
18480 /	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
18990 /	POS IN Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 4
19439 /	POS IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
19440 /	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
19470 /	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
21990 /	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
22050 /	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
22950 /	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
24090 /	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
24642 /	DEF AT last sample examined	DEF IN 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 602	Date of Summary: 01-SEP-1996	First Sample Examined: 18130
Lease Number: G11553	Source of Paleo: OPERATOR	Borehole MD: 24350
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 24267
API Well Number: 608074015101	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 18130 - 24340	Water Depth: 3665
Public Info Code: Y 06-SEP-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18130 / 18129	DEF AT first sample examined	DEF AT 4
18790 / 18788	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 4
19390 / 19380	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
19420 / 19409	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
22000 / 21918	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
22210 / 22128	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
22780 / 22698	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
23920 / 23837	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
24250 / 24167	POS AT Lower Pliocene (Zanclian) Sphenolithus grandis	DEF AT 4
24340 / 24257	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 602	Date of Summary: 30-JAN-1996	First Sample Examined: 15510
Lease Number: G11553	Source of Paleo: OPERATOR	Borehole MD: 24960
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 24313
API Well Number: 608074014400	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 4965 - 24960	Water Depth: 3693
Public Info Code: Y 20-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15510 / 15507	DEF AT first sample examined	DEF AT
17370 / 17363	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
18390 / 18382	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18870 / 18861	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 5
19260 / 19251	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
21570 / 21444	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
21750 / 21601	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
22430 / 22182	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
24360 / 23805	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
24810 / 24187	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF IN 5
24960 / 24313	DEF AT last sample examined	DEF IN 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 602	Date of Summary: 20-JAN-1997	First Sample Examined: 18180
Lease Number: G11553	Source of Paleo: OPERATOR	Borehole MD: 24960
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 24313
API Well Number: 608074014400	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 18180 - 24960	Water Depth: 3693
Public Info Code: Y 20-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18180 / 18172	DEF AT first sample examined	POS AT 4
19260 / 19251	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
19650 / 19639	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
21750 / 21601	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
24180 / 23653	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
24960 / 24313	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 602	Date of Summary: 15-JUL-1999	First Sample Examined: 18200
Lease Number: G11553	Source of Paleo: OPERATOR	Borehole MD: 24200
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 23698
API Well Number: 608074014401	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 18200 - 24200	Water Depth: 3708
Public Info Code: Y 23-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18200 / 18192	DEF AT first sample examined	DEF AT
18410 / 18401	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18950 / 18938	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
19310 / 19295	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
21620 / 21504	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
22430 / 22260	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT
23850 / 23436	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
24030 / 23572	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
24180 / 23684	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 657	Date of Summary: 01-SEP-2003	First Sample Examined: 7540
Lease Number: G19154	Source of Paleo: OPERATOR	Borehole MD: 14089
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12637
API Well Number: 608074025500	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 7540 - 13930	Water Depth: 4600
Public Info Code: Y 30-NOV-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Shiner Deep Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7540 / 7378	DEF AT first sample examined	DEF AT
7541 / 7379	DEF IN Pleistocene	DEF AT
7990 / 7748	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	POS AT 4
8260 / 7960	DEF AT -----	DEF AT 5
8440 / 8099	DEF AT local marker planktic foram increase	DEF AT 5
8800 / 8372	DEF AT -----	DEF AT 4
8980 / 8509	DEF AT -----	DEF AT 0
9695 / 9052	DEF AT cement	DEF AT
9760 / 9101	DEF AT -----	POS AT 4
10000 / 9284	DEF AT local marker foram increase	POS AT 4
10300 / 9512	DEF AT reworked material	DEF AT
10540 / 9694	DEF AT -----	POS AT 4
10750 / 9854	DEF AT -----	DEF AT 0
10870 / 9945	DEF AT -----	DEF AT 4
11170 / 10173	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
11171 / 10173	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisceus (acme "A")	DEF AT 5
11470 / 10400	DEF AT pyrite	DEF AT 5
11530 / 10446	DEF AT -----	POS AT 4
11890 / 10719	DEF AT -----	POS AT 5
12010 / 10811	DEF AT -----	POS AT 4
12130 / 10902	DEF AT -----	DEF AT 0
12370 / 11084	DEF AT -----	POS AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 657	Date of Summary: 01-SEP-2003	First Sample Examined: 7540
Lease Number: G19154	Source of Paleo: OPERATOR	Borehole MD: 14089
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12637
API Well Number: 608074025500	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 7540 - 13930	Water Depth: 4600
Public Info Code: Y 30-NOV-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
12400 / 11108	DEF AT pyrite	POS AT 5
12520 / 11202	DEF AT -----	POS AT 4
12730 / 11374	DEF AT -----	DEF AT 0
13270 / 11851	POS AT local marker planktic foram increase	DEF AT 5
13300 / 11878	DEF AT pyrite	DEF AT 5
13540 / 12103	DEF AT -----	POS AT 4
13690 / 12247	DEF AT -----	DEF AT 0
13840 / 12392	DEF AT -----	POS AT 4
13870 / 12421	DEF AT pyrite	POS AT 4
13930 / 12480	DEF AT last sample examined	POS AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 657	Date of Summary: 01-SEP-2003	First Sample Examined: 13930
Lease Number: G19154	Source of Paleo: OPERATOR	Borehole MD: 20000
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18482
API Well Number: 608074025501	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 9655 - 20000	Water Depth: 4484
Public Info Code: Y 30-NOV-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Shiner Deep Prospect, 19419=beginning of partial repeat Pliocene section, with super-abundant to abundant pyrite to TD

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13930 / 12441	DEF AT first sample examined	POS AT 4
14020 / 12529	DEF AT - - - - -	POS AT 6
14110 / 12617	DEF AT - - - - -	DEF AT 5
14230 / 12736	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisceus (acme "B")	DEF AT 5
14260 / 12766	DEF AT pyrite	DEF AT 4
14680 / 13185	DEF AT - - - - -	POS AT 5
14770 / 13275	DEF AT reworked material	DEF AT 5
14920 / 13425	DEF AT pyrite	DEF AT 5
15520 / 14024	DEF AT - - - - -	POS AT 5
15940 / 14443	DEF AT local marker planktic foram increase	DEF AT 5
15970 / 14473	DEF AT pyrite	DEF AT 5
16419 / 14921	DEF AT pyrite	DEF AT 6
16420 / 14922	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 6
16510 / 15011	DEF AT - - - - -	POS AT 5
16630 / 15131	DEF AT pyrite	POS AT 5
16810 / 15309	DEF AT local marker planktic foram increase	DEF IN 6
16840 / 15339	DEF AT pyrite	DEF IN 6
16855 / 15354	DEF AT cement	DEF IN 6
16959 / 15457	DEF AT local marker planktic foram increase	DEF IN 6
16960 / 15458	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 6
16990 / 15487	DEF AT - - - - -	DEF AT 5
18040 / 16522	DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P"	POS AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 657	Date of Summary: 01-SEP-2003	First Sample Examined: 13930
Lease Number: G19154	Source of Paleo: OPERATOR	Borehole MD: 20000
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18482
API Well Number: 608074025501	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 9655 - 20000	Water Depth: 4484
Public Info Code: Y 30-NOV-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
18280 / 16762	DEF AT - - - - -	POS AT 5
18340 / 16822	POS AT Upper Pliocene (Piacenzian) Arenaceous fauna	POS AT 5
18580 / 17062	DEF AT - - - - -	DEF AT 5
18730 / 17212	DEF AT pyrite	DEF AT 5
18849 / 17331	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
18850 / 17332	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18940 / 17422	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
18968 / 17450	DEF AT limestone	DEF AT 5
18969 / 17451	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
18970 / 17452	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
19029 / 17511	DEF AT pyrite	POS AT 6
19030 / 17512	DEF IN Lower Pliocene Zanclian Stage	POS AT 6
19090 / 17572	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	POS AT 6
19119 / 17601	DEF AT pyrite	POS AT 6
19120 / 17602	DEF AT local marker planktic foram increase	POS AT 6
19389 / 17871	DEF AT pyrite	DEF IN 6
19390 / 17872	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 6
19419 / 17901	DEF AT pyrite	DEF IN 6
19420 / 17902	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 6
19480 / 17962	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 6
19540 / 18022	DEF AT pyrite	DEF IN 6
19570 / 18052	DEF AT - - - - -	DEF AT 5
19660 / 18142	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
19690 / 18172	POS IN Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 657	Date of Summary: 01-SEP-2003	First Sample Examined: 13930
Lease Number: G19154	Source of Paleo: OPERATOR	Borehole MD: 20000
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18482
API Well Number: 608074025501	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 9655 - 20000	Water Depth: 4484
Public Info Code: Y 30-NOV-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19838 / 18320	DEF AT gouge	DEF AT
19839 / 18321	DEF AT anhydrite	DEF AT
19840 / 18322	DEF AT salt	DEF AT
20000 / 18482	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 873	Date of Summary: 11-APR-2007	First Sample Examined: 22300
Lease Number: G17456	Source of Paleo: OPERATOR	Borehole MD: 31831
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 31819
API Well Number: 608074028300	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 22300 - 31831	Water Depth: 4705
Public Info Code: Y 22-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Tamara Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
22300 / 22299	DEF AT first sample examined	DEF AT
22301 / 22300	DEF IN salt	DEF AT
22720 / 22719	DEF AT out-of-place section	DEF AT
24070 / 24069	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
24080 / 24079	DEF AT base of salt	DEF AT
24100 / 24099	DEF AT local marker floral increase	DEF AT
24189 / 24188	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
24190 / 24189	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
24400 / 24399	DEF AT local marker floral increase	DEF AT
24700 / 24699	DEF AT local marker floral increase	DEF AT
24910 / 24909	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
25510 / 25508	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
25780 / 25778	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
25960 / 25958	DEF AT local marker floral increase	DEF AT
26740 / 26738	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
26890 / 26888	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
26950 / 26948	DEF AT local marker floral increase	DEF AT
26980 / 26978	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
27040 / 27038	POS AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
27130 / 27128	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
27370 / 27368	DEF AT floral flood	DEF AT
27550 / 27548	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 873	Date of Summary: 11-APR-2007	First Sample Examined: 22300
Lease Number: G17456	Source of Paleo: OPERATOR	Borehole MD: 31831
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 31819
API Well Number: 608074028300	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 22300 - 31831	Water Depth: 4705
Public Info Code: Y 22-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
27760 / 27758	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
27790 / 27788	DEF AT local marker floral increase	DEF AT
28210 / 28208	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
28389 / 28386	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
28390 / 28387	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
28420 / 28417	DEF AT reworked material	DEF AT
28540 / 28537	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
28990 / 28987	DEF AT local marker floral increase	DEF AT
29320 / 29316	DEF AT local marker floral decrease	DEF AT
29620 / 29615	DEF AT local marker floral increase	DEF AT
30160 / 30154	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
30220 / 30214	DEF AT reworked material	DEF AT
30250 / 30244	DEF AT Middle Miocene (Langhian) Discoaster calculosus	DEF AT
30399 / 30392	DEF AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
30400 / 30393	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
30490 / 30483	POS AT reworked material	DEF AT
30518 / 30511	POS AT unconformity	DEF AT
30519 / 30512	POS AT fault	DEF AT
30520 / 30513	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
30580 / 30573	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
30790 / 30782	DEF AT reworked material	DEF AT
30850 / 30842	DEF AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT
31000 / 30991	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
31300 / 31290	DEF AT local marker floral increase	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 873	Date of Summary: 11-APR-2007	First Sample Examined: 22300
Lease Number: G17456	Source of Paleo: OPERATOR	Borehole MD: 31831
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 31819
API Well Number: 608074028300	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 22300 - 31831	Water Depth: 4705
Public Info Code: Y 22-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
31420 / 31410	DEF AT reworked material	DEF AT
31450 / 31439	DEF AT local marker floral increase	DEF AT
31810 / 31798	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 873	Date of Summary: 12-APR-2007	First Sample Examined: 22300
Lease Number: G17456	Source of Paleo: OPERATOR	Borehole MD: 31831
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 31819
API Well Number: 608074028300	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 22300 - 31840	Water Depth: 4705
Public Info Code: Y 22-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Tamara Prospect

MD / TVD	Paleo Top Description	Ecozone
22300 / 22299	DEF AT first sample examined	DEF AT
22301 / 22300	DEF IN salt	DEF AT
22720 / 22719	DEF AT out-of-place section	DEF AT
23980 / 23979	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
24010 / 24009	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
24080 / 24079	DEF AT base of salt	DEF AT
24160 / 24159	DEF IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
24940 / 24939	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
25479 / 25477	DEF AT pyrite	DEF AT
25480 / 25478	DEF AT Arenaceous fauna (local marker)	DEF AT
25660 / 25658	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
25810 / 25808	POS IN Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT
26740 / 26738	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT
26890 / 26888	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
27100 / 27098	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT
27370 / 27368	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
27460 / 27458	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
27760 / 27758	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
27790 / 27788	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
28450 / 28447	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
30250 / 30244	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
30520 / 30513	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GB 873	Date of Summary: 12-APR-2007	First Sample Examined: 22300
Lease Number: G17456	Source of Paleo: OPERATOR	Borehole MD: 31831
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 31819
API Well Number: 608074028300	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 22300 - 31840	Water Depth: 4705
Public Info Code: Y 22-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
31840 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 6	Date of Summary: 24-MAR-1999	First Sample Examined: 5190
Lease Number: G06987	Source of Paleo: OPERATOR	Borehole MD: 8092
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 5268
API Well Number: 608114012503	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 118
Paleo Report Num: 1 of 2	Sample Range: 5190 - 8080	Water Depth: 622
Public Info Code: Y 27-DEC-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 5640=I-3 fauna, 6800=local *Uvigerina acme*, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5190 / 3868	DEF AT first sample examined	DEF IN 2
5191 / 3869	DEF IN Upper Pleistocene (Ionian) <i>Globorotalia flexuosa</i>	DEF IN 2
5400 / 3967	DEF AT pyrite	DEF IN 2
5610 / 4068	DEF AT faunal change (no faunal increase)	DEF AT 2
5640 / 4082	DEF AT local marker foram increase	DEF AT 2
5700 / 4110	DEF AT local marker foram increase	DEF IN 2
6120 / 4310	DEF AT brown shale	DEF IN 2
6360 / 4424	DEF AT drilling material	DEF IN 2
6570 / 4525	DEF AT local marker foram increase	DEF AT 2
6800 / 4635	DEF AT local marker benthic foram increase	DEF IN 2
6860 / 4664	DEF AT faunal change (no faunal increase)	DEF AT 3
6950 / 4709	DEF AT pyrite	DEF AT 3
6980 / 4725	DEF AT local marker foram increase	DEF AT 3
7010 / 4740	DEF AT faunal change (no faunal increase)	DEF AT 2
7040 / 4756	DEF AT pyrite	DEF AT 2
7190 / 4833	DEF AT local marker foram increase	DEF IN 2
7340 / 4909	DEF AT drilling material	DEF IN 2
7400 / 4938	POS AT Middle Pleistocene (Ionian) <i>Trimosina "A"</i>	DEF IN 2
7489 / 4982	POS AT fault	DEF AT 4
7490 / 4982	POS AT gouge	DEF AT 4
7520 / 4996	DEF AT faunal change (no faunal increase)	DEF IN 2
7730 / 5097	DEF AT local marker foram increase	DEF IN 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 6	Date of Summary: 24-MAR-1999	First Sample Examined: 5190
Lease Number: G06987	Source of Paleo: OPERATOR	Borehole MD: 8092
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 5268
API Well Number: 608114012503	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 118
Paleo Report Num: 1 of 2	Sample Range: 5190 - 8080	Water Depth: 622
Public Info Code: Y 27-DEC-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7850 / 5154	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 2
7970 / 5211	DEF AT anhydrite	POS AT 2
8080 / 5262	DEF AT last sample examined	POS AT 2

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 6	Date of Summary: 11-APR-1999	First Sample Examined: 6330
Lease Number: G06987	Source of Paleo: OPERATOR	Borehole MD: 8092
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 5268
API Well Number: 608114012503	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 118
Paleo Report Num: 2 of 2	Sample Range: 6330 - 8080	Water Depth: 622
Public Info Code: Y 27-DEC-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6330 / 4410	DEF AT first sample examined	DEF AT
6830 / 4650	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7520 / 4996	DEF AT out-of-place section	DEF AT
7521 / 4997	POS AT gouge	DEF AT
7580 / 5025	DEF AT reworked material	DEF AT
8080 / 5262	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 18	Date of Summary: 01-JUL-1996	First Sample Examined: 9160
Lease Number: G04940	Source of Paleo: OPERATOR	Borehole MD: 10500
Well Name: A007	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 10169
API Well Number: 608114007301	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 155
Paleo Report Num: 1 of 1	Sample Range: 9160 - 10480	Water Depth: 750
Public Info Code: Y 18-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9160 / 8896	DEF AT first sample examined	DEF AT 4
9250 / 8980	DEF AT local marker foram increase	DEF AT 4
9400 / 9119	DEF AT local marker foram increase	DEF AT 5
10480 / 10150	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 18	Date of Summary: 24-OCT-1996	First Sample Examined: 0
Lease Number: G05809	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17124
Well Name: A024	Paleo Done By: OPERATOR	Borehole TVD: 14310
API Well Number: 608114019301	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 158
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 760
Public Info Code: Y 07-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13480 / 11354	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
14680 / 12311	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
14710 / 12335	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 18	Date of Summary: 28-MAR-1997	First Sample Examined: 6795
Lease Number: G05809	Source of Paleo: OPERATOR	Borehole MD: 17715
Well Name: A029	Paleo Done By: OPERATOR	Borehole TVD: 14363
API Well Number: 608114021200	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 155
Paleo Report Num: 1 of 1	Sample Range: 6795 - 17460	Water Depth: 760
Public Info Code: Y 17-FEB-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6795 / 5916	DEF AT first sample examined	DEF AT 4
7020 / 6090	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
9180 / 7754	DEF AT - - - - -	DEF AT 5
9300 / 7847	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
9870 / 8292	DEF AT - - - - -	DEF AT 4
11130 / 9270	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 5
13830 / 11347	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
13950 / 11442	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
15090 / 12326	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15180 / 12395	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 5
15300 / 12488	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
15330 / 12511	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
17460 / 14148	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 20	Date of Summary: 13-JAN-1998	First Sample Examined: 9990
Lease Number: G15531	Source of Paleo: OPERATOR	Borehole MD: 18565
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18516
API Well Number: 608114021300	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 2490 - 18577	Water Depth: 880
Public Info Code: Y 04-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 / 9986	DEF AT first sample examined	DEF IN 3
10020 / 10016	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
10080 / 10076	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
10980 / 10976	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 3
11580 / 11576	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT 4
12210 / 12206	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
12270 / 12266	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
12330 / 12326	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
12480 / 12476	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
12510 / 12506	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
12930 / 12926	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
13500 / 13496	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
13710 / 13706	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
13950 / 13946	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
14970 / 14966	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
15990 / 15977	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
16770 / 16747	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
17610 / 17576	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
18570 /	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 89	Date of Summary: 02-JUN-1997	First Sample Examined: 4500
Lease Number: G15540	Source of Paleo: OPERATOR	Borehole MD: 17660
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17500
API Well Number: 608114022000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 4500 - 17658	Water Depth: 668
Public Info Code: Y 24-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	POS AT 3
5520 / 5520	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
5580 / 5580	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 3
7260 / 7259	DEF AT faunal change (no faunal increase)	DEF AT 4
7920 / 7919	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
8550 / 8549	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
9180 / 9179	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
9480 / 9479	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
9960 / 9959	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
10050 / 10049	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
11850 / 11848	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
11940 / 11938	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
12090 / 12088	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
12360 / 12358	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
12510 / 12507	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
12570 / 12567	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
12900 / 12897	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT 4
13470 / 13451	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
13770 / 13731	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
13950 / 13898	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
14400 / 14315	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
14760 / 14645	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 89	Date of Summary: 02-JUN-1997	First Sample Examined: 4500
Lease Number: G15540	Source of Paleo: OPERATOR	Borehole MD: 17660
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17500
API Well Number: 608114022000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 4500 - 17658	Water Depth: 668
Public Info Code: Y 24-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14790 / 14673	POS IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
14880 / 14756	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 4
14890 / 14765	DEF AT salt	POS AT
15960 / 15806	DEF AT base of salt	POS AT 4
16170 / 16016	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
16440 / 16285	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 4
16680 / 16525	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
16740 / 16585	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
16980 / 16825	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
17610 / 17454	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
17658 / 17502	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 89	Date of Summary: 19-JUN-1997	First Sample Examined: 7130
Lease Number: G15540	Source of Paleo: OPERATOR	Borehole MD: 12270
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 11425
API Well Number: 608114022001	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 7130 - 12270	Water Depth: 695
Public Info Code: Y 13-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7130 / 7128	DEF AT first sample examined	DEF AT
8720 / 8571	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9500 / 9193	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9800 / 9432	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT
9890 / 9504	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
10490 / 9981	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
10520 / 10005	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
10580 / 10053	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
12270 / 11424	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 110	Date of Summary: 24-JAN-1996	First Sample Examined: 7000
Lease Number: G14023	Source of Paleo: OPERATOR	Borehole MD: 12960
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11736
API Well Number: 608114020600	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 7000 - 12990	Water Depth: 1730
Public Info Code: Y 21-MAR-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
7000 / 6998	DEF AT first sample examined	DEF AT 4
7240 / 7238	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 4
8810 / 8808	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 4
8840 / 8838	POS AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT 4
8900 / 8897	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
9830 / 9796	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT 4
10700 / 10555	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
12080 / 11311	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
12200 / 11370	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
12620 / 11570	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
12889 / 11701	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
12890 / 11701	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
12990 /	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 112	Date of Summary: 01-JAN-1998	First Sample Examined: 14220
Lease Number: G15545	Source of Paleo: OPERATOR	Borehole MD: 20422
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 20417
API Well Number: 608114022100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 7500 - 20228	Water Depth: 1730
Public Info Code: Y 18-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Angus Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14220 /	DEF AT first sample examined	POS AT 4
14550 /	POS AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	POS AT 4
14610 /	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	POS AT 4
14789 /	POS AT pyrite	POS AT 4
14790 /	DEF AT local marker foram increase	POS AT 4
14850 /	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	POS AT 4
14880 /	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 4
15000 /	DEF AT cement	POS AT 4
15210 /	DEF AT - - - - -	POS IN 4
15450 /	DEF AT local marker planktic foram increase	POS IN 4
15510 /	DEF AT local marker foram increase	POS IN 4
15900 /	DEF AT sand	DEF AT 5
15930 /	DEF AT local marker planktic foram increase	DEF AT 5
15960 /	DEF AT local marker foram increase	DEF IN 4
16020 /	DEF AT pyrite	DEF IN 4
16980 /	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
17010 /	DEF AT - - - - -	POS AT 4
17460 /	DEF AT - - - - -	POS IN 4
18120 /	DEF AT - - - - -	DEF AT 4
18180 /	DEF AT Arenaceous fauna (local marker)	DEF AT 4
18570 /	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
18690 /	POS AT local marker foram increase	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 112	Date of Summary: 01-JAN-1998	First Sample Examined: 14220
Lease Number: G15545	Source of Paleo: OPERATOR	Borehole MD: 20422
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 20417
API Well Number: 608114022100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 7500 - 20228	Water Depth: 1730
Public Info Code: Y 18-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18750 /	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 4
19410 /	DEF AT Arenaceous fauna (local marker)	DEF IN 4
19530 /	DEF AT - - - - -	POS AT 5
19650 /	DEF AT local marker foram increase	POS AT 5
19710 /	DEF AT - - - - -	DEF IN 4
19830 /	DEF AT sand	DEF AT 4
20070 /	DEF AT - - - - -	DEF IN 4
20228 /	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 112	Date of Summary: 01-JAN-1998	First Sample Examined: 13500
Lease Number: G15545	Source of Paleo: OPERATOR	Borehole MD: 16012
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15400
API Well Number: 608114022101	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 13500 - 16012	Water Depth: 1730
Public Info Code: Y 08-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Angus Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13500 / 13000	DEF AT first sample examined	DEF AT
13501 / 13001	POS IN Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT
13920 / 13355	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
14339 / 13744	DEF AT sand	POS AT 3
14340 / 13745	DEF AT local marker foram increase	POS AT 3
14400 / 13802	DEF AT local marker foram increase	POS AT 3
14520 / 13918	POS AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	POS AT 4
14580 / 13976	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	POS AT 4
15180 / 14570	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
15270 / 14660	DEF AT local marker foram increase	DEF IN 4
16012 / 15401	DEF AT last sample examined	DEF IN 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 112	Date of Summary: 01-JAN-1998	First Sample Examined: 13500
Lease Number: G15545	Source of Paleo: OPERATOR	Borehole MD: 16012
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15400
API Well Number: 608114022101	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 13500 - 16012	Water Depth: 1730
Public Info Code: Y 08-JUL-2007	Ecozone Eq MMS:	Paleo ID: 003

Remark: Angus Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 / 13000	DEF AT first sample examined	DEF AT
13501 / 13001	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
13860 / 13302	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
14760 / 14153	DEF IN Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
15180 / 14570	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15600 / 14989	DEF AT local marker floral increase	DEF AT
15601 / 14990	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
16012 / 15401	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 143	Date of Summary: 26-DEC-2001	First Sample Examined: 3510
Lease Number: G22930	Source of Paleo: OPERATOR	Borehole MD: 23278
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22000
API Well Number: 608114030700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 3	Sample Range: 3510 - 23278	Water Depth: 1003
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3510 / 3510	DEF AT first sample examined	DEF IN 4
3780 / 3780	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 4
3840 / 3839	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
4350 / 4349	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 4
4380 / 4379	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 4
4500 / 4499	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 4
4560 / 4559	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 4
4680 / 4679	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 4
5099 / 5098	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 4
5100 / 5099	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
5430 / 5428	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 4
5460 / 5458	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 4
5790 / 5788	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 4
5819 / 5817	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 4
5820 / 5818	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 4
5880 / 5878	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 4
5999 / 5997	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 4
6000 / 5998	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
6029 / 6027	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 4
6030 / 6028	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
6059 / 6057	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
6060 / 6058	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 143	Date of Summary: 26-DEC-2001	First Sample Examined: 3510
Lease Number: G22930	Source of Paleo: OPERATOR	Borehole MD: 23278
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22000
API Well Number: 608114030700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 3	Sample Range: 3510 - 23278	Water Depth: 1003
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6178 / 6175	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT 5
6179 / 6176	DEF AT anhydrite	DEF AT 5
6180 / 6177	POS AT salt	DEF AT 5
6210 / 6207	DEF AT salt	DEF AT
6240 / 6237	DEF AT sample gap top	DEF AT
14400 / 14125	DEF AT sample gap bottom	DEF AT
14550 / 14257	DEF AT base of salt	DEF AT
14551 / 14258	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14610 / 14310	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
14640 / 14337	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14730 / 14416	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15000 / 14653	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15030 / 14680	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
15060 / 14706	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
15210 / 14836	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
15240 / 14862	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15330 / 14942	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
15396 / 15001	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15420 / 15022	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT
16050 / 15579	DEF AT local marker floral increase	DEF AT
16080 / 15605	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
16350 / 15844	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16740 / 16190	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
16800 / 16244	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 143	Date of Summary: 26-DEC-2001	First Sample Examined: 3510
Lease Number: G22930	Source of Paleo: OPERATOR	Borehole MD: 23278
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22000
API Well Number: 608114030700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 3	Sample Range: 3510 - 23278	Water Depth: 1003
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16830 / 16271	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
20490 / 19512	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
21870 / 20735	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
23278 / 22000	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 143	Date of Summary: 27-DEC-2001	First Sample Examined: 3510
Lease Number: G22930	Source of Paleo: OPERATOR	Borehole MD: 23278
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22000
API Well Number: 608114030700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 3	Sample Range: 3510 - 23278	Water Depth: 1003
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3510 / 3510	DEF AT first sample examined	DEF AT
3780 / 3780	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
4380 / 4379	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
4500 / 4499	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
4680 / 4679	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5100 / 5099	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
5430 / 5428	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
5790 / 5788	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
5820 / 5818	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
6000 / 5998	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
6030 / 6028	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
6060 / 6058	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
6180 / 6177	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
6210 / 6207	DEF AT salt	DEF AT
6214 / 6211	DEF AT sample gap top	DEF AT
14400 / 14125	DEF AT sample gap bottom	DEF AT
14550 / 14257	DEF AT base of salt	DEF AT
14551 / 14258	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14640 / 14337	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14730 / 14416	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15000 / 14653	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15060 / 14706	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 143	Date of Summary: 27-DEC-2001	First Sample Examined: 3510
Lease Number: G22930	Source of Paleo: OPERATOR	Borehole MD: 23278
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22000
API Well Number: 608114030700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 3	Sample Range: 3510 - 23278	Water Depth: 1003
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
15240 / 14862	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15330 / 14942	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15396 / 15001	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16050 / 15579	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
16350 / 15844	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16530 / 16003	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16800 / 16244	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
16830 / 16271	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
20490 / 19512	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
21870 / 20735	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
23278 / 22000	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 143	Date of Summary: 08-JAN-2002	First Sample Examined: 3510
Lease Number: G22930	Source of Paleo: OPERATOR	Borehole MD: 23278
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22000
API Well Number: 608114030700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 3 of 3	Sample Range: 3510 - 23278	Water Depth: 1003
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 16800=significant reoccurrence of Globigerina nepenthes, with distinct floral change, and no Miocene fauna, species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3510 / 3510	DEF AT first sample examined	DEF AT 4
3750 / 3750	DEF AT - - - -	DEF IN 4
3840 / 3839	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
3930 / 3929	DEF AT - - - -	DEF AT 4
4350 / 4349	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 4
4560 / 4559	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 4
5100 / 5099	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
5460 / 5458	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 4
5820 / 5818	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 4
5880 / 5878	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 4
6000 / 5998	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
6030 / 6028	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
6060 / 6058	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
6179 / 6176	DEF AT anhydrite	DEF AT 5
6180 / 6177	DEF AT salt	DEF AT 5
6240 / 6237	DEF AT sample gap top	DEF AT 5
14400 / 14125	DEF AT sample gap bottom	DEF AT 5
14550 / 14257	DEF AT base of salt	DEF IN 4
14610 / 14310	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
15030 / 14680	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
15210 / 14836	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 143	Date of Summary: 08-JAN-2002	First Sample Examined: 3510
Lease Number: G22930	Source of Paleo: OPERATOR	Borehole MD: 23278
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22000
API Well Number: 608114030700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 3 of 3	Sample Range: 3510 - 23278	Water Depth: 1003
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15420 / 15022	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 4
16740 / 16190	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 4
16800 / 16244	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
19920 / 19005	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 4
21450 / 20363	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
21690 / 20576	DEF AT - - - - -	DEF AT 5
22110 / 20948	DEF AT - - - - -	DEF IN 4
23278 / 22000	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 143	Date of Summary: 11-FEB-2002	First Sample Examined: 13980
Lease Number: G22932	Source of Paleo: OPERATOR	Borehole MD: 16900
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16700
API Well Number: 608114030701	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 13980 - 16900	Water Depth: 1003
Public Info Code: Y 20-MAR-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13980 / 13781	DEF AT first sample examined	DEF AT
13981 / 13782	DEF IN salt	DEF AT
14070 / 13871	DEF AT base of salt	DEF AT
14071 / 13872	DEF AT out-of-place section	DEF AT
14100 / 13901	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14250 / 14051	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15570 / 15371	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16200 / 16001	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
16740 / 16541	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
16900 / 16701	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 143	Date of Summary: 14-FEB-2002	First Sample Examined: 13950
Lease Number: G22932	Source of Paleo: OPERATOR	Borehole MD: 16900
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16700
API Well Number: 608114030701	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 13950 - 16900	Water Depth: 1003
Public Info Code: Y 20-MAR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13950 / 13751	DEF AT first sample examined	DEF AT
13951 / 13752	DEF IN salt	DEF AT
14070 / 13871	DEF AT base of salt	DEF IN 4
14071 / 13872	POS AT out-of-place section	DEF IN 4
14250 / 14051	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 4
14640 / 14441	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
16230 / 16031	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
16740 / 16541	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
16900 / 16701	DEF AT last sample examined	DEF IN 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 158	Date of Summary: 22-APR-1999	First Sample Examined: 9090
Lease Number: G07995	Source of Paleo: OPERATOR	Borehole MD: 16559
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16227
API Well Number: 608115008700	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 9090 - 16550	Water Depth: 2841
Public Info Code: Y 05-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
9090 / 9088	DEF AT first sample examined	POS IN 3
9390 / 9387	DEF AT local marker foram increase	DEF IN 3
9480 / 9477	DEF AT local marker foram increase	DEF IN 4
9690 / 9685	DEF IN Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF IN 4
12870 / 12761	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
14120 / 13939	DEF AT local marker foram increase	DEF AT 4
14720 / 14503	DEF AT local marker foram increase	DEF IN 3
14780 / 14559	DEF AT local marker foram increase	DEF AT 4
15320 / 15064	DEF AT local marker foram increase	DEF IN 4
15920 / 15625	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 4
16250 / 15935	DEF AT local marker foram increase	DEF AT 4
16340 / 16019	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 4
16430 / 16104	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
16460 / 16132	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
16490 / 16160	DEF AT local marker planktic foram increase	DEF IN 4
16550 / 16217	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 158	Date of Summary: 07-JUN-1999	First Sample Examined: 9090
Lease Number: G07995	Source of Paleo: OPERATOR	Borehole MD: 16559
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 16227
API Well Number: 608115008700	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 9090 - 16559	Water Depth: 2841
Public Info Code: Y 05-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
9090 / 9088	DEF AT first sample examined	POS AT 4
9120 / 9118	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 4
12240 / 12168	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 3
12690 / 12592	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 3
14239 / 14051	POS AT reworked material	DEF AT 4
14240 / 14051	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
15320 / 15064	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
15440 / 15176	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 3
15920 / 15625	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 4
16339 / 16018	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
16340 / 16019	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
16369 / 16047	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
16370 / 16048	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
16430 / 16104	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
16559 / 16225	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 173	Date of Summary: 01-MAY-1997	First Sample Examined: 6200
Lease Number: G16701	Source of Paleo: OPERATOR	Borehole MD: 15003
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15000
API Well Number: 608115011900	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 6200 - 15005	Water Depth: 3080
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6200 / 6199	DEF AT first sample examined	DEF AT
7040 / 7039	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7280 / 7279	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
11630 / 11628	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11780 / 11778	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12980 / 12978	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13010 / 13008	DEF AT sample gap top	DEF AT
13234 / 13232	DEF AT sample gap bottom	DEF AT
13235 / 13233	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14540 / 14537	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15005 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 177	Date of Summary: 28-SEP-1999	First Sample Examined: 0
Lease Number: G16702	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12156
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12087
API Well Number: 608114025600	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1487
Public Info Code: Y 31-MAR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9846 / 9845	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
11220 / 11202	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 200	Date of Summary: 10-JUL-1997	First Sample Examined: 15980
Lease Number: G11043	Source of Paleo: OPERATOR	Borehole MD: 18700
Well Name: TA002	Paleo Done By: OPERATOR	Borehole TVD: 15530
API Well Number: 608114021700	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 15980 - 18700	Water Depth: 2670
Public Info Code: Y 24-JUL-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Troika Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15980 / 13497	DEF AT first sample examined	DEF AT
15981 / 13498	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16670 / 14012	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18260 / 15209	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18290 / 15231	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18380 / 15298	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18700 / 15531	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 200	Date of Summary: 10-JUL-1997	First Sample Examined: 17344
Lease Number: G11043	Source of Paleo: OPERATOR	Borehole MD: 18454
Well Name: TA002	Paleo Done By: OPERATOR	Borehole TVD: 15431
API Well Number: 608114021701	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 17344 - 18450	Water Depth: 2670
Public Info Code: Y 24-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Troika Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17344 / 14518	DEF AT first sample examined	DEF AT
17345 / 14519	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18120 / 15147	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18150 / 15173	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18240 / 15249	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18450 / 15427	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 200	Date of Summary: 04-SEP-1997	First Sample Examined: 14466
Lease Number: G12209	Source of Paleo: OPERATOR	Borehole MD: 16930
Well Name: TA001	Paleo Done By: OPERATOR	Borehole TVD: 15928
API Well Number: 608114021600	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 14465 - 16430	Water Depth: 2670
Public Info Code: Y 22-SEP-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Troika Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14465 / 13465	DEF AT first sample examined	DEF AT
14466 / 13466	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14940 / 13940	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16380 / 15379	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16430 / 15429	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 200	Date of Summary: 14-JUL-1997	First Sample Examined: 14598
Lease Number: G12209	Source of Paleo: OPERATOR	Borehole MD: 17050
Well Name: TA003	Paleo Done By: OPERATOR	Borehole TVD: 15481
API Well Number: 608114021800	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 14598 - 17050	Water Depth: 2670
Public Info Code: Y 08-AUG-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Troika Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
14598 / 13346	DEF AT first sample examined	DEF AT
14599 / 13347	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15200 / 13871	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16520 / 15022	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16550 / 15049	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16580 / 15075	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17050 / 15481	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 205	Date of Summary: 24-AUG-1995	First Sample Examined: 4860
Lease Number: G05911	Source of Paleo: OPERATOR	Borehole MD: 12660
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 12640
API Well Number: 608115008800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 4860 - 12660	Water Depth: 2600
Public Info Code: Y 16-FEB-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Genesis Prospect, company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
4860 / 4860	DEF AT first sample examined	DEF AT
5210 / 5210	DEF AT - - - - -	DEF AT 1
6140 / 6140	DEF AT - - - - -	DEF AT 2
6650 / 6650	DEF AT - - - - -	DEF AT 4
6680 / 6680	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 4
7770 / 7770	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
8010 / 8010	DEF AT - - - - -	DEF IN 3
9780 / 9776	DEF AT - - - - -	DEF IN 2
10440 / 10428	DEF AT - - - - -	DEF IN 4
10620 / 10606	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 4
10980 / 10963	POS AT transported shelf fauna	DEF IN 2
11430 / 11412	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 2
11700 / 11681	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
11730 / 11711	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
11970 / 11951	POS AT transported shelf fauna	POS AT 2
12180 / 12161	POS AT transported outer shelf facies	POS IN 3
12480 / 12461	POS AT transported shelf fauna	POS AT 2
12660 / 12641	DEF AT last sample examined	POS AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 205	Date of Summary: 01-SEP-1995	First Sample Examined: 8970
Lease Number: G05911	Source of Paleo: OPERATOR	Borehole MD: 13665
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 12967
API Well Number: 608115008801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 8970 - 13680	Water Depth: 2600
Public Info Code: Y 23-MAR-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Genesis Prospect, company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
8970 / 8970	DEF AT first sample examined	DEF AT 3
9840 / 9821	DEF AT -----	DEF AT 2
10410 / 10349	DEF AT -----	DEF AT 4
10800 / 10683	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
11280 / 11072	DEF AT -----	DEF AT 2
11610 / 11336	DEF AT -----	DEF AT 4
12300 / 11883	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
12630 / 12142	DEF AT -----	DEF AT 3
13620 / 12931	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
13650 / 12954	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 3
13680 /	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 212	Date of Summary: 23-OCT-1998	First Sample Examined: 4125
Lease Number: G18344	Source of Paleo: OPERATOR	Borehole MD: 12840
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12157
API Well Number: 608114023200	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 4125 - 12840	Water Depth: 2585
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4125 / 4125	DEF AT first sample examined	POS AT 4
4126 / 4126	DEF AT cement	POS AT 4
5390 / 5389	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	POS IN 4
7950 / 7945	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	POS IN 4
9780 / 9713	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	POS IN 4
11550 / 11119	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
12149 / 11596	DEF AT condensed section	DEF IN 4
12150 / 11597	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS IN 4
12270 / 11691	DEF AT faunal change (no faunal increase)	DEF AT 5
12300 / 11715	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
12840 / 12157	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 212	Date of Summary: 23-OCT-1998	First Sample Examined: 4125
Lease Number: G18344	Source of Paleo: OPERATOR	Borehole MD: 12840
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12157
API Well Number: 608114023200	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 4125 - 12840	Water Depth: 2585
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4125 / 4125	DEF AT first sample examined	DEF AT
5940 / 5937	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8550 / 8543	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9748 / 9686	DEF AT maximum flooding surface	DEF AT
9750 / 9687	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9780 / 9713	DEF AT condensed section	DEF AT
9781 / 9714	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10889 / 10601	DEF AT maximum flooding surface	DEF AT
10890 / 10602	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11550 / 11119	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11609 / 11166	DEF AT maximum flooding surface	DEF AT
11610 / 11167	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12090 / 11549	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12150 / 11597	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12299 / 11714	DEF AT maximum flooding surface	DEF AT
12300 / 11715	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12419 / 11811	DEF AT maximum flooding surface	DEF AT
12420 / 11811	DEF IN condensed section	DEF AT
12421 / 11812	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12449 / 11835	DEF AT maximum flooding surface	DEF AT
12450 / 11836	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12840 / 12157	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 246	Date of Summary: 29-JAN-2007	First Sample Examined: 4966
Lease Number: G16716	Source of Paleo: OPERATOR	Borehole MD: 16130
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15264
API Well Number: 608114048500	Drilling Operator: WOODSIDE ENERGY USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 4966 - 16130	Water Depth: 3271
Public Info Code: Y 24-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4966 / 4966	DEF AT first sample examined	DEF IN 4
7140 / 7140	DEF AT - - - - -	DEF AT 5
7320 / 7320	DEF AT - - - - -	DEF IN 5
7770 / 7770	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
8010 / 8010	DEF AT - - - - -	DEF AT 4
11530 / 11279	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 4
12430 / 12044	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
13239 / 12739	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
13240 / 12740	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
13330 / 12817	DEF AT - - - - -	DEF AT 3
14270 / 13630	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 3
14390 / 13735	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 3
14450 / 13787	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 3
14659 / 13971	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
14660 / 13972	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
14720 / 14024	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
14750 / 14050	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
14840 / 14129	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
15050 / 14312	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
15199 / 14442	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
15200 / 14443	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
15290 / 14522	DEF AT - - - - -	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 246	Date of Summary: 29-JAN-2007	First Sample Examined: 4966
Lease Number: G16716	Source of Paleo: OPERATOR	Borehole MD: 16130
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15264
API Well Number: 608114048500	Drilling Operator: WOODSIDE ENERGY USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 4966 - 16130	Water Depth: 3271
Public Info Code: Y 24-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
15489 / 14697	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 4
15490 / 14698	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
15500 / 14707	DEF AT - - - - -	DEF AT 5
15530 / 14734	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
15830 / 14999	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
15860 / 15025	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
15890 / 15052	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
15919 / 15078	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
15920 / 15078	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
15949 / 15104	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
15950 / 15105	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
16010 / 15158	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
16039 / 15183	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
16040 / 15184	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
16100 / 15237	DEF AT salt	DEF AT 6
16130 / 15264	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 248	Date of Summary: 20-OCT-1996	First Sample Examined: 9000
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 16500
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16494
API Well Number: 608115009700	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 84
Paleo Report Num: 1 of 3	Sample Range: 9000 - 16000	Water Depth: 3328
Public Info Code: Y 11-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Glider Prospect, original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8999	DEF AT first sample examined	DEF AT 4
9120 / 9118	DEF AT -----	DEF IN 3
9180 / 9178	DEF AT -----	DEF AT 4
9240 / 9238	DEF AT -----	DEF IN 3
9330 / 9328	DEF AT -----	DEF AT 4
9360 / 9358	DEF AT -----	DEF IN 3
9420 / 9418	DEF AT -----	DEF AT 4
9480 / 9478	DEF AT -----	DEF IN 3
9510 / 9508	DEF AT -----	DEF AT 4
9540 / 9538	DEF AT -----	DEF IN 3
9570 / 9568	DEF AT -----	DEF AT 4
9600 / 9598	DEF AT -----	DEF IN 3
9630 / 9628	DEF AT -----	DEF AT 4
9690 / 9688	DEF AT -----	DEF IN 3
10830 / 10828	DEF AT -----	DEF AT 4
11040 / 11038	DEF AT -----	DEF AT 5
11070 / 11068	DEF AT -----	DEF AT 4
11220 / 11218	DEF AT -----	DEF IN 3
11250 / 11248	DEF AT -----	DEF AT 4
11340 / 11338	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
11490 / 11488	DEF AT -----	DEF IN 3
11520 / 11518	DEF AT -----	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 248	Date of Summary: 20-OCT-1996	First Sample Examined: 9000
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 16500
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16494
API Well Number: 608115009700	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 84
Paleo Report Num: 1 of 3	Sample Range: 9000 - 16000	Water Depth: 3328
Public Info Code: Y 11-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11640 / 11638	DEF AT -----	DEF IN 3
11910 / 11908	DEF AT local marker foram increase	DEF AT 4
11940 / 11938	DEF AT -----	DEF AT 5
11970 / 11968	DEF AT -----	DEF IN 3
12000 / 11998	DEF AT -----	DEF AT 4
12180 / 12178	DEF AT -----	DEF IN 3
12450 / 12447	DEF AT -----	DEF AT 4
12600 / 12597	DEF AT -----	DEF IN 3
13440 / 13437	DEF AT local marker foram increase	DEF AT 5
13470 / 13467	DEF AT -----	DEF IN 4
13560 / 13557	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 4
13710 / 13706	DEF AT -----	DEF IN 3
13740 / 13736	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 4
13890 / 13886	DEF AT -----	DEF IN 3
14100 / 14096	DEF AT -----	DEF AT 4
14190 / 14186	DEF AT -----	DEF IN 4
14550 / 14546	DEF AT -----	DEF AT 4
14850 / 14846	DEF AT -----	DEF IN 3
14880 / 14876	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
14910 / 14906	DEF AT -----	DEF AT 4
14940 / 14936	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14970 / 14966	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
15210 / 15206	DEF AT -----	DEF AT 4
16000 / 15995	DEF AT last sample examined	POS AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 248	Date of Summary: 12-DEC-1996	First Sample Examined: 15590
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 16500
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16494
API Well Number: 608115009700	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 84
Paleo Report Num: 2 of 3	Sample Range: 15590 - 16500	Water Depth: 3328
Public Info Code: Y 11-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Glider Prospect, bypass 2 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15590 / 15585	DEF AT first sample examined	DEF AT 4
16280 / 16274	DEF AT - - - - -	DEF AT 4
16490 / 16484	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
16500 / 16494	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 248	Date of Summary: 14-AUG-1997	First Sample Examined: 9000
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 16500
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 16494
API Well Number: 608115009700	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 84
Paleo Report Num: 3 of 3	Sample Range: 6000 - 16500	Water Depth: 3328
Public Info Code: Y 11-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Glider Prospect, company-integrated foram and nanno report, original hole and bypass 2

MD / TVD	Paleo Top Description	Ecozone
9000 / 8999	DEF AT first sample examined	DEF AT 4
9540 / 9538	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 3
10890 / 10888	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 4
11400 / 11398	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT 4
12840 / 12837	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
13470 / 13467	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 4
13590 / 13587	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 4
14700 / 14696	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 4
14850 / 14846	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 3
14880 / 14876	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 3
14910 / 14906	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
14970 / 14966	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
14971 / 14967	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
15800 / 15795	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
15830 / 15825	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 4
16309 / 16303	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT 4
16310 / 16304	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
16500 / 16494	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 248	Date of Summary: 03-JUL-1997	First Sample Examined: 9020
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 16466
Well Name: GL003	Paleo Done By: THOMAS REILLY	Borehole TVD: 16204
API Well Number: 608115012000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 84
Paleo Report Num: 1 of 3	Sample Range: 9020 - 16470	Water Depth: 3440
Public Info Code: Y 31-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
9020 / 9020	DEF AT first sample examined	DEF AT 4
9080 / 9080	DEF AT -----	DEF AT 3
9460 / 9459	DEF AT local marker foram increase	DEF AT 3
9580 / 9578	DEF AT -----	DEF IN 3
9640 / 9638	DEF AT -----	DEF AT 3
9730 / 9728	DEF AT -----	DEF AT 4
9760 / 9757	DEF AT -----	DEF IN 3
9880 / 9876	DEF AT -----	DEF AT 3
9970 / 9966	DEF AT -----	DEF IN 3
10150 / 10143	DEF AT -----	DEF AT 3
11290 / 11230	DEF AT local marker foram increase	DEF AT 3
11320 / 11258	DEF AT -----	DEF AT 4
11380 / 11313	DEF AT local marker foram decrease	DEF AT 3
11410 / 11341	DEF AT -----	DEF AT 4
11440 / 11369	DEF AT -----	DEF IN 3
11530 / 11452	DEF AT -----	DEF AT 3
11680 / 11591	DEF AT -----	DEF IN 3
12130 / 12008	DEF AT -----	DEF AT 3
12280 / 12148	DEF AT -----	DEF AT 4
12430 / 12288	DEF AT -----	DEF AT 3
12730 / 12571	DEF AT -----	DEF IN 3
12760 / 12599	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 248	Date of Summary: 03-JUL-1997	First Sample Examined: 9020
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 16466
Well Name: GL003	Paleo Done By: THOMAS REILLY	Borehole TVD: 16204
API Well Number: 608115012000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 84
Paleo Report Num: 1 of 3	Sample Range: 9020 - 16470	Water Depth: 3440
Public Info Code: Y 31-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13030 / 12855	DEF AT -----	DEF AT 4
13710 / 13502	DEF AT -----	DEF IN 3
14310 / 14075	DEF AT -----	DEF AT 4
14340 / 14104	DEF AT local marker foram increase	DEF AT 4
15330 / 15070	DEF AT -----	DEF AT 3
15360 / 15100	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
15390 / 15129	DEF AT -----	DEF AT 4
15420 / 15159	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
15450 / 15189	DEF AT -----	DEF AT 4
15600 / 15339	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
16440 / 16178	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 248	Date of Summary: 08-AUG-1997	First Sample Examined: 8270
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 16466
Well Name: GL003	Paleo Done By: OPERATOR	Borehole TVD: 16204
API Well Number: 608115012000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 84
Paleo Report Num: 2 of 3	Sample Range: 8270 - 16470	Water Depth: 3440
Public Info Code: Y 31-AUG-2007	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nanno summary determined by Witrock (MMS) from detailed paleo report (no nanno summary report available from operator)

MD / TVD	Paleo Top Description	Ecozone
8270 / 8270	DEF AT first sample examined	DEF AT
8271 / 8271	DEF AT reworked material	DEF AT
8660 / 8660	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8810 / 8810	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8900 / 8900	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
11500 / 11424	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
12760 / 12599	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14370 / 14132	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14490 / 14248	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15390 / 15129	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15420 / 15159	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15480 / 15219	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16290 / 16028	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
16350 / 16088	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
16470 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 248	Date of Summary: 13-AUG-1997	First Sample Examined: 9020
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 16466
Well Name: GL003	Paleo Done By: OPERATOR	Borehole TVD: 16204
API Well Number: 608115012000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 84
Paleo Report Num: 3 of 3	Sample Range: 9020 - 16470	Water Depth: 3440
Public Info Code: Y 31-AUG-2007	Ecozone Eq MMS: N	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
9020 / 9020	DEF AT first sample examined	DEF AT
11500 / 11424	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
12759 / 12598	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12760 / 12599	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
14370 / 14132	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14460 / 14219	DEF AT reworked material	DEF AT
14490 / 14248	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15360 / 15100	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
15390 / 15129	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15419 / 15158	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15420 / 15159	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
15480 / 15219	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15600 / 15339	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT
15660 / 15399	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
16290 / 16028	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
16350 / 16088	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
16470 /	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 248	Date of Summary: 08-SEP-1997	First Sample Examined: 13320
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 17496
Well Name: GL003	Paleo Done By: THOMAS REILLY	Borehole TVD: 17000
API Well Number: 608115012001	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 13320 - 17490	Water Depth: 3440
Public Info Code: Y 06-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
13320 / 13132	DEF AT first sample examined	POS IN 3
13470 / 13278	DEF AT - - - - -	DEF IN 3
13860 / 13659	DEF AT - - - - -	DEF AT 4
14490 / 14276	DEF AT local marker foram increase	DEF AT 4
15750 / 15387	DEF AT local marker foram increase	DEF AT 4
15810 / 15438	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
15870 / 15488	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
15990 / 15590	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
17370 / 16878	DEF AT local marker foram increase	DEF AT 4
17460 / 16966	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 248	Date of Summary: 14-JUL-2003	First Sample Examined: 13315
Lease Number: G15565	Source of Paleo: OPERATOR	Borehole MD: 17496
Well Name: GL003	Paleo Done By: OPERATOR	Borehole TVD: 17000
API Well Number: 608115012001	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 13315 - 17490	Water Depth: 3440
Public Info Code: Y 06-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
13315 / 13127	DEF AT first sample examined	POS AT 4
13590 / 13395	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 4
14490 / 14276	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
15690 / 15338	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 4
15806 / 15434	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
15810 / 15438	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
15840 / 15463	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
15870 / 15488	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
15930 / 15539	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
15990 / 15590	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
16020 / 15616	DEF AT reworked material	DEF AT 4
16890 / 16414	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 4
17490 / 16995	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 254	Date of Summary: 19-FEB-1996	First Sample Examined: 0
Lease Number: G07049	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15698
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 13726
API Well Number: 608115009000	Drilling Operator: ENSERCH EXPLORATION INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 3234
Public Info Code: Y 29-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12830 / 10997	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
13040 / 11177	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13970 / 12021	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 288	Date of Summary: 01-JUL-2000	First Sample Examined: 5570
Lease Number: G18355	Source of Paleo: OPERATOR	Borehole MD: 16160
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15912
API Well Number: 608114028000	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 5570 - 16130	Water Depth: 3156
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, 7520=Gephyrocapsa margerelli, 13400=Gephyrocapsa margerelli increase, 15680=Reticulofenestra minuta

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5570 / 5570	DEF AT first sample examined	DEF AT
5571 / 5571	POS IN Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
6230 / 6229	POS AT reworked material	DEF AT
6619 / 6618	POS AT unconformity	DEF AT
6620 / 6619	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
7130 / 7129	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7520 / 7519	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7610 / 7609	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8360 / 8359	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
9830 / 9829	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
10070 / 10069	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
10100 / 10099	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
10101 / 10100	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11750 / 11678	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11870 / 11783	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
13310 / 13078	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
13400 / 13165	DEF IN Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
14120 / 13877	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14150 / 13907	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14330 / 14086	DEF AT local marker floral increase	DEF AT
15680 / 15435	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15830 / 15584	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 288	Date of Summary: 01-JUL-2000	First Sample Examined: 5570
Lease Number: G18355	Source of Paleo: OPERATOR	Borehole MD: 16160
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15912
API Well Number: 608114028000	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 5570 - 16130	Water Depth: 3156
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15950 / 15704	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
16100 / 15854	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 298	Date of Summary: 01-JUN-1997	First Sample Examined: 5270
Lease Number: G08876	Source of Paleo: OPERATOR	Borehole MD: 16478
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 15531
API Well Number: 608115009400	Drilling Operator: ENSERCH EXPLORATION INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5270 - 15500	Water Depth: 3308
Public Info Code: Y 17-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
5270 / 5270	DEF AT first sample examined	DEF AT
6350 / 6349	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
7070 / 7065	DEF AT reworked material	DEF AT
8060 / 8053	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8870 / 8863	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
9230 / 9223	DEF AT local marker foram increase	DEF AT
9620 / 9611	DEF AT local marker foram increase	DEF AT
10940 / 10834	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT
11060 / 10931	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
11180 / 11026	DEF AT Cyclammina sp. (local marker)	DEF AT
11870 / 11537	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT
12250 / 11815	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
12559 / 12040	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT
12560 / 12041	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12680 / 12127	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT
12740 / 12170	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT
12980 / 12343	DEF AT local marker planktic foram increase	DEF AT
13490 / 12737	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT
13790 / 12993	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
14750 / 13871	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
15500 / 14577	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 376	Date of Summary: 04-OCT-2006	First Sample Examined: 5600
Lease Number: G18373	Source of Paleo: OPERATOR	Borehole MD: 19678
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19260
API Well Number: 608114045600	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 5600 - 19678	Water Depth: 3040
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Oauchita Prospect, consultant-integrated foram and nannofossil report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5600 / 5600	DEF AT first sample examined	DEF IN 4
5601 / 5601	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 4
5660 / 5660	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 4
5690 / 5690	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 4
5780 / 5780	DEF AT - - - - -	DEF IN 5
6320 / 6320	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
6677 / 6677	DEF AT unconformity	DEF IN 5
6678 / 6678	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
6679 / 6679	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
6680 / 6680	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6709 / 6709	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6710 / 6710	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
6800 / 6800	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
6980 / 6980	DEF AT - - - - -	DEF AT 5
7010 / 7010	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
7160 / 7160	DEF AT - - - - -	DEF IN 5
7190 / 7190	DEF AT anhydrite	DEF IN 5
7475 / 7475	DEF IN salt	DEF IN 5
7476 / 7476	DEF AT sample gap top	DEF IN 5
19676 / 19258	DEF AT sample gap bottom	DEF IN 5
19677 / 19259	DEF AT base of salt	POS IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 376	Date of Summary: 04-OCT-2006	First Sample Examined: 5600
Lease Number: G18373	Source of Paleo: OPERATOR	Borehole MD: 19678
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19260
API Well Number: 608114045600	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 5600 - 19678	Water Depth: 3040
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19678 / 19260	DEF AT last sample examined	POS IN 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 376	Date of Summary: 04-OCT-2006	First Sample Examined: 19980
Lease Number: G18373	Source of Paleo: OPERATOR	Borehole MD: 26755
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25502
API Well Number: 608114045602	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 19980 - 26757	Water Depth: 3040
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Oauchita Prospect, consultant-integrated foram and nannofossil report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
19980 / 19339	DEF AT first sample examined	POS IN 5
20129 / 19473	DEF AT out-of-place section	POS IN 5
20130 / 19474	POS AT transported outer shelf facies	POS IN 5
20250 / 19583	DEF AT - - - - -	DEF IN 5
20280 / 19610	DEF AT out-of-place section	DEF AT 6
20310 / 19638	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
20320 / 19647	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
20340 / 19665	DEF AT transported outer shelf facies	POS AT 6
20370 / 19692	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS AT 6
20490 / 19801	DEF AT - - - - -	DEF IN 5
20970 / 20236	DEF AT transported outer shelf facies	POS IN 5
21510 / 20724	DEF AT sample gap top	POS IN 5
22790 / 21828	DEF AT sample gap bottom	POS IN 5
23900 / 22838	POS AT reworked material	POS IN 5
24020 / 22948	DEF AT transported outer shelf facies	DEF AT 6
26360 / 25133	DEF AT transported outer shelf facies	DEF AT 6
26757 /	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 376	Date of Summary: 23-OCT-2006	First Sample Examined: 24490
Lease Number: G18373	Source of Paleo: OPERATOR	Borehole MD: 30072
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28648
API Well Number: 608114045603	Drilling Operator: HESS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 24490 - 30072	Water Depth: 3040
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Oauchita Prospect, consultant-integrated foram and nannofossil report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24490 / 23372	DEF AT first sample examined	DEF IN 5
24491 / 23373	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
27980 / 26681	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
30072 / 28648	DEF AT last sample examined	DEF IN 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 379	Date of Summary: 24-JUN-2003	First Sample Examined: 10000
Lease Number: G15577	Source of Paleo: OPERATOR	Borehole MD: 13964
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13604
API Well Number: 608114035003	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 10000 - 13810	Water Depth: 3868
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9925	DEF AT first sample examined	DEF AT 5
10150 / 10073	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
10900 / 10797	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
13810 / 13459	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 379	Date of Summary: 24-JUN-2003	First Sample Examined: 10000
Lease Number: G15577	Source of Paleo: OPERATOR	Borehole MD: 13964
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13604
API Well Number: 608114035003	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 10000 - 13810	Water Depth: 3868
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9925	DEF AT first sample examined	DEF AT
10180 / 10102	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
13810 / 13459	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 435	Date of Summary: 01-AUG-2003	First Sample Examined: 7112
Lease Number: G18387	Source of Paleo: OPERATOR	Borehole MD: 19610
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19587
API Well Number: 608114038300	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 7112 - 10200	Water Depth: 3813
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Yorick Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7112 / 7110	DEF AT first sample examined	DEF AT
7113 / 7111	POS IN Upper Pleistocene (Ionian) Pontosphaera indoceanica	DEF AT
7820 / 7817	POS AT Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood)	DEF AT
7879 / 7876	POS AT unconformity	DEF AT
7880 / 7877	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8000 / 7997	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9389 / 9384	DEF AT condensed section	DEF AT
9390 / 9385	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9570 / 9565	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9600 / 9595	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
9630 / 9625	DEF AT reworked material	DEF AT
9720 / 9714	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9840 / 9834	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
9960 / 9954	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
10050 / 10044	POS IN Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
10200 / 10194	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 435	Date of Summary: 01-NOV-2003	First Sample Examined: 7112
Lease Number: G18387	Source of Paleo: OPERATOR	Borehole MD: 19610
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19587
API Well Number: 608114038300	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 7112 - 17280	Water Depth: 3813
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Yorick Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7112 / 7110	DEF AT first sample examined	DEF AT 4
7113 / 7111	POS IN Holocene Globorotalia inflata	DEF AT 4
7820 / 7817	DEF AT local marker foram increase	DEF AT 5
8000 / 7997	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 6
8180 / 8177	DEF AT - - - - -	DEF AT 4
9090 / 9086	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9300 / 9295	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
9330 / 9325	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
9480 / 9475	DEF AT - - - - -	POS AT 5
9539 / 9534	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
9540 / 9535	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 6
9570 / 9565	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 6
9600 / 9595	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
9690 / 9685	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
9870 / 9864	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9990 / 9984	POS AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 6
10050 / 10044	DEF AT - - - - -	DEF AT 5
10200 / 10194	DEF AT salt	DEF AT 5
17190 / 17170	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
17280 / 17260	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 435	Date of Summary: 02-JAN-2004	First Sample Examined: 22020
Lease Number: G18387	Source of Paleo: OPERATOR	Borehole MD: 23076
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22206
API Well Number: 608114038301	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 22020 - 23076	Water Depth: 3813
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Yorick Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
22020 / 21168	DEF AT first sample examined	DEF AT
22021 / 21169	DEF IN base of salt	DEF AT
22022 / 21170	DEF AT out-of-place section	DEF AT
22750 / 21883	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22900 / 22032	DEF AT reworked material	DEF AT
23020 / 22151	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
23076 / 22207	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 435	Date of Summary: 02-JAN-2004	First Sample Examined: 22720
Lease Number: G18387	Source of Paleo: OPERATOR	Borehole MD: 30547
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29560
API Well Number: 608114038302	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 22720 - 30547	Water Depth: 3813
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Yorick Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22720 / 21853	DEF AT first sample examined	DEF AT
22721 / 21854	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22810 / 21942	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
23080 / 22208	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
23770 / 22888	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24040 / 23155	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24640 / 23748	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
24850 / 23955	DEF AT local marker floral increase	DEF AT
25210 / 24311	POS AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
26020 / 25108	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
27040 / 26114	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
27430 / 26498	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
28390 / 27444	POS AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF AT
29020 / 28067	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
29080 / 28126	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
29230 / 28274	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
29320 / 28363	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
29470 / 28510	DEF AT reworked material	DEF AT
29620 / 28657	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
29649 / 28685	POS AT reworked material	DEF AT
29650 / 28686	DEF IN Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
30070 / 29098	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 435	Date of Summary: 02-JAN-2004	First Sample Examined: 22720
Lease Number: G18387	Source of Paleo: OPERATOR	Borehole MD: 30547
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29560
API Well Number: 608114038302	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 22720 - 30547	Water Depth: 3813
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
30190 / 29215	DEF IN Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
30520 / 29535	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 569	Date of Summary: 24-MAR-2003	First Sample Examined: 19100
Lease Number: G18399	Source of Paleo: OPERATOR	Borehole MD: 23607
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23247
API Well Number: 608114036501	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 19100 - 23607	Water Depth: 4159
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 19101=first sample with Late Oligocene fauna associated with salt, 19250=Pliocene fauna no older than *Globoquadrina altispira*

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19100 / 18970	DEF AT first sample examined	DEF AT 5
19101 / 18971	POS AT Oligocene Anahuac Formation/Provincial Stage	DEF AT 5
19250 / 19120	POS AT Upper Pliocene (Piacenzian) <i>Globoquadrina altispira</i>	DEF AT 5
20860 / 20726	DEF AT Middle Miocene (Serravallian) <i>Globorotalia fohsi fohsi</i>	DEF AT 5
21440 / 21282	DEF AT Middle Miocene (Serravallian) <i>Globorotalia peripheroronda</i>	DEF AT 5
23240 / 22907	DEF AT Lower Miocene (Burdigalian) <i>Catapsydrax dissimilis</i>	DEF AT 5
23440 / 23091	DEF AT Upper Oligocene (Chattian) <i>Globorotalia opima opima</i>	DEF AT 5
23607 / 23246	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 569	Date of Summary: 24-MAR-2003	First Sample Examined: 19100
Lease Number: G18399	Source of Paleo: OPERATOR	Borehole MD: 23607
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23247
API Well Number: 608114036501	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 19100 - 23607	Water Depth: 4159
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 19101=first samples below salt in jumbled section, indicates Oligocene flora is the oldest assemblage with Sphenolithus predistentus and Sphenolithus distentus, 19130=mixed Middle Miocene floral assemblage to 20630

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19100 / 18970	DEF AT first sample examined	DEF AT
19101 / 18971	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
19130 / 19000	POS AT Middle Miocene	DEF AT
20630 / 20498	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21200 / 21056	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21770 / 21587	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
21890 / 21696	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22370 / 22125	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23240 / 22907	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
23390 / 23045	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
23607 / 23246	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 730	Date of Summary: 01-FEB-2002	First Sample Examined: 15700
Lease Number: G16778	Source of Paleo: OPERATOR	Borehole MD: 22270
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19656
API Well Number: 608114030503	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 15700 - 21610	Water Depth: 4461
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, the Middle Miocene section at the bottom of the well is probably salt-related

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15700 / 15323	DEF AT first sample examined	DEF AT
15701 / 15324	DEF IN out-of-place section	DEF AT
16060 / 15545	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
16090 / 15564	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
16300 / 15693	DEF AT reworked material	DEF AT
16720 / 15953	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
16810 / 16009	DEF AT sample gap top	DEF AT
17020 / 16138	DEF AT sample gap bottom	DEF AT
17740 / 16582	DEF AT reworked material	DEF AT
17860 / 16656	DEF AT local marker floral increase	DEF AT
17920 / 16693	DEF AT reworked material	DEF AT
18400 / 16990	DEF AT reworked material	DEF AT
18940 / 17331	DEF AT reworked material	DEF AT
19330 / 17578	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
19540 / 17712	DEF AT local marker floral increase	DEF AT
19600 / 17751	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
19660 / 17789	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
19720 / 17828	DEF AT local marker floral increase	DEF AT
20050 / 18037	DEF AT reworked material	DEF AT
20080 / 18056	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
20260 / 18174	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
20470 / 18316	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 730	Date of Summary: 01-FEB-2002	First Sample Examined: 15700
Lease Number: G16778	Source of Paleo: OPERATOR	Borehole MD: 22270
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19656
API Well Number: 608114030503	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 15700 - 21610	Water Depth: 4461
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20680 / 18465	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
20950 / 18662	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
21070 / 18751	DEF AT sample gap top	DEF AT
21250 / 18886	DEF AT sample gap bottom	DEF AT
21370 / 18979	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21430 / 19026	DEF IN Upper Miocene (Tortonian) Discoaster hamatus "A" (GOM local)	DEF AT
21490 / 19073	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21520 / 19096	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21550 / 19120	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
21610 / 19166	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 730	Date of Summary: 20-APR-2002	First Sample Examined: 15970
Lease Number: G16778	Source of Paleo: OPERATOR	Borehole MD: 22270
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19656
API Well Number: 608114030503	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 15970 - 20830	Water Depth: 4461
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Consultant-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
15970 / 15490	DEF AT first sample examined	DEF AT
15971 / 15491	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
16059 / 15545	DEF AT local marker floral increase	DEF AT
16060 / 15545	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
16089 / 15563	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
16090 / 15564	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT
16180 / 15619	POS IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
16210 / 15637	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
16720 / 15953	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
19510 / 17693	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
19600 / 17751	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
20680 / 18465	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
20800 / 18552	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT
20830 / 18574	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 732	Date of Summary: 23-FEB-2007	First Sample Examined: 6030
Lease Number: G18431	Source of Paleo: OPERATOR	Borehole MD: 7500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7499
API Well Number: 608114048900	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 6030 - 7500	Water Depth: 4315
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6030 / 6030	DEF AT first sample examined	DEF AT 4
6090 / 6090	DEF AT out-of-place section	DEF AT 4
6419 / 6418	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF IN 5
6420 / 6419	POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
6990 / 6989	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
7500 / 7499	DEF AT last sample examined	DEF IN 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 765	Date of Summary: 16-JAN-2006	First Sample Examined: 8195
Lease Number: G16793	Source of Paleo: OPERATOR	Borehole MD: 24848
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22279
API Well Number: 608114045300	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 8195 - 24850	Water Depth: 5313
Public Info Code: Y 09-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8195 / 8195	DEF AT first sample examined	DEF IN 5
9140 / 9140	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF IN 5
9170 / 9170	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
10160 / 10160	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
10970 / 10969	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 5
17300 / 16339	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
17420 / 16435	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
17539 / 16531	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
17540 / 16531	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 5
18080 / 16963	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
22609 / 20511	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
22610 / 20512	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscentis (acme "B")	DEF IN 5
23530 / 21236	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
23570 / 21267	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
24260 / 21814	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
24499 / 22002	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
24500 / 22003	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
24617 / 22095	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
24618 / 22095	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
24619 / 22096	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
24620 / 22097	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
24680 / 22144	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 765	Date of Summary: 16-JAN-2006	First Sample Examined: 8195
Lease Number: G16793	Source of Paleo: OPERATOR	Borehole MD: 24848
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22279
API Well Number: 608114045300	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 8195 - 24850	Water Depth: 5313
Public Info Code: Y 09-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24850 /	DEF AT last sample examined	DEF IN 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 785	Date of Summary: 19-MAR-2001	First Sample Examined: 11000
Lease Number: G18438	Source of Paleo: OPERATOR	Borehole MD: 24050
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24043
API Well Number: 608114029100	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 11000 - 24050	Water Depth: 7169
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Dendara Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 / 11000	DEF AT first sample examined	DEF AT
11001 / 11001	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
12680 / 12680	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
13040 / 13040	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
13340 / 13339	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
13490 / 13489	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
14240 / 14239	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14390 / 14389	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15170 / 15168	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15320 / 15318	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15380 / 15378	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15410 / 15408	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16189 / 16186	POS AT unconformity	DEF AT
16190 / 16187	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16220 / 16217	POS IN Lower Pliocene (Zanclian) Discoaster quintatus	DEF AT
16250 / 16247	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17090 / 17087	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
17840 / 17837	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17990 / 17987	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18020 / 18017	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
18110 / 18107	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18260 / 18257	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 785	Date of Summary: 19-MAR-2001	First Sample Examined: 11000
Lease Number: G18438	Source of Paleo: OPERATOR	Borehole MD: 24050
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24043
API Well Number: 608114029100	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 11000 - 24050	Water Depth: 7169
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18330 / 18327	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
18620 / 18617	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19400 / 19397	POS AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
20270 / 20267	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21440 / 21436	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21530 / 21526	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22010 / 22005	DEF AT local marker floral increase	DEF AT
22460 / 22455	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23150 / 23144	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
23360 / 23354	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
23780 / 23774	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
23960 / 23953	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
24049 / 24042	POS AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT
24050 / 24043	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 872	Date of Summary: 01-SEP-2001	First Sample Examined: 10830
Lease Number: G16825	Source of Paleo: OPERATOR	Borehole MD: 19134
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19127
API Well Number: 608114029200	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 10830 - 19134	Water Depth: 7460
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, 16700=Middle Miocene Catinaster A, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10830 / 10828	DEF AT first sample examined	DEF AT
11190 / 11188	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
12720 / 12718	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
12750 / 12748	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
12840 / 12838	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa (increase)	DEF AT
12900 / 12898	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14240 / 14238	DEF AT reworked material	DEF AT
14300 / 14298	DEF AT reworked material	DEF AT
14450 / 14448	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15170 / 15168	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
15200 / 15198	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15260 / 15258	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15290 / 15288	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15440 / 15438	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15530 / 15528	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16040 / 16037	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16370 / 16367	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16372 / 16369	DEF AT reworked material	DEF AT
16400 / 16397	POS AT local marker floral increase	DEF AT
16700 / 16697	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
16820 / 16817	DEF AT local marker floral increase	DEF AT
17480 / 17477	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 872	Date of Summary: 01-SEP-2001	First Sample Examined: 10830
Lease Number: G16825	Source of Paleo: OPERATOR	Borehole MD: 19134
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19127
API Well Number: 608114029200	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 10830 - 19134	Water Depth: 7460
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
17510 / 17507	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
17840 / 17837	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
18110 / 18106	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
18230 / 18226	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
18380 / 18376	DEF AT local marker floral increase	DEF AT
18500 / 18495	DEF AT local marker floral increase	DEF AT
18829 / 18823	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
18830 / 18824	DEF AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
18860 / 18854	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
19010 / 19003	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
19011 / 19004	DEF AT reworked material	DEF AT
19134 / 19126	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 872	Date of Summary: 01-SEP-2001	First Sample Examined: 10830
Lease Number: G16825	Source of Paleo: OPERATOR	Borehole MD: 19134
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19127
API Well Number: 608114029200	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 10830 - 19134	Water Depth: 7460
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10830 / 10828	DEF AT first sample examined	POS IN 3
10950 / 10948	DEF AT faunal change (no faunal increase)	DEF IN 3
11070 / 11068	DEF IN Holocene Globorotalia inflata	POS IN 3
11130 / 11128	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	POS IN 3
11250 / 11248	DEF AT faunal change (no faunal increase)	DEF AT 4
11430 / 11428	DEF AT faunal change (no faunal increase)	POS AT 4
12090 / 12088	DEF AT faunal change (no faunal increase)	DEF IN 3
12390 / 12388	DEF AT shell fragments	DEF IN 3
12570 / 12568	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 3
12810 / 12808	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
12930 / 12928	DEF AT faunal change (no faunal increase)	DEF IN 3
13410 / 13408	DEF AT faunal change (no faunal increase)	POS IN 3
15140 / 15138	DEF AT local marker foram increase	DEF AT 4
15230 / 15228	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
15260 / 15258	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
15290 / 15288	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 4
15291 / 15289	POS AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 4
15349 / 15347	DEF AT limestone	DEF IN 4
15350 / 15348	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 4
15410 / 15408	DEF AT faunal change (no faunal increase)	POS AT 4
15560 / 15558	DEF AT faunal change (no faunal increase)	DEF AT 4
15650 / 15648	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 872	Date of Summary: 01-SEP-2001	First Sample Examined: 10830
Lease Number: G16825	Source of Paleo: OPERATOR	Borehole MD: 19134
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19127
API Well Number: 608114029200	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 10830 - 19134	Water Depth: 7460
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15800 / 15798	DEF AT faunal change (no faunal increase)	POS AT 4
15950 / 15948	DEF AT faunal change (no faunal increase)	DEF IN 4
16010 / 16007	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
16100 / 16097	DEF AT faunal change (no faunal increase)	DEF AT 4
16460 / 16457	DEF AT faunal change (no faunal increase)	POS AT 4
16760 / 16757	DEF AT faunal change (no faunal increase)	DEF AT 4
16790 / 16787	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
16910 / 16907	DEF AT faunal change (no faunal increase)	POS AT 4
17090 / 17087	DEF AT faunal change (no faunal increase)	DEF AT 4
17210 / 17207	DEF AT faunal change (no faunal increase)	POS AT 4
17570 / 17567	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
17780 / 17777	DEF AT reworked material	DEF AT 4
17870 / 17867	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
18110 / 18106	DEF AT Arenaceous fauna (local marker)	DEF AT 4
18560 / 18555	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 4
18710 / 18704	DEF AT faunal change (no faunal increase)	POS AT 4
18800 / 18794	DEF AT faunal change (no faunal increase)	DEF AT 4
19100 / 19092	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
19134 / 19126	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 902	Date of Summary: 30-APR-2007	First Sample Examined: 19470
Lease Number: G18454	Source of Paleo: OPERATOR	Borehole MD: 26061
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25450
API Well Number: 608114049000	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 19470 - 26062	Water Depth: 5233
Public Info Code: Y 23-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Big Kahuna Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19470 / 19345	DEF AT first sample examined	DEF AT 4
19471 / 19346	DEF IN salt	DEF AT 4
19472 / 19347	DEF IN out-of-place section	DEF AT 4
19490 / 19364	DEF AT base of salt	DEF AT 4
19520 / 19392	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
19550 / 19420	DEF AT local marker foram increase	DEF AT 4
19700 / 19558	POS AT local marker planktic foram increase	DEF IN 4
19790 / 19641	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 4
20090 / 19917	POS AT local marker foram increase	DEF IN 4
20240 / 20055	DEF AT - - - -	POS IN 4
21020 / 20771	DEF AT local marker foram increase	DEF IN 4
21530 / 21239	DEF AT transported shelf fauna	DEF AT 4
21560 / 21267	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 4
21620 / 21323	POS AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
21890 / 21575	DEF AT reworked material	DEF AT 5
21919 / 21602	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
21920 / 21603	DEF AT local marker benthic foram increase	DEF AT 5
22219 / 21882	DEF AT local marker benthic foram increase	DEF AT 5
22220 / 21883	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
22279 / 21938	DEF AT Arenaceous fauna (local marker)	DEF AT 5
22280 / 21939	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 902	Date of Summary: 30-APR-2007	First Sample Examined: 19470
Lease Number: G18454	Source of Paleo: OPERATOR	Borehole MD: 26061
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25450
API Well Number: 608114049000	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 19470 - 26062	Water Depth: 5233
Public Info Code: Y 23-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22310 / 21967	DEF AT local marker foram decrease	DEF AT 5
22670 / 22302	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT 5
22730 / 22358	DEF AT Arenaceous fauna (local marker)	DEF AT 5
23330 / 22921	DEF AT local marker benthic foram increase	DEF AT 5
23420 / 23005	POS AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 5
23750 / 23311	DEF AT local marker deep water fauna	DEF AT 5
24470 / 23979	DEF AT local marker floral decrease	DEF AT 5
24710 / 24201	DEF AT local marker foram decrease	DEF AT 5
25820 / 25227	DEF AT local marker planktic foram increase	DEF AT 5
25970 / 25366	POS AT local marker planktic foram increase	DEF AT 5
26062 /	DEF AT last sample examined	POS AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 942	Date of Summary: 01-SEP-2001	First Sample Examined: 9503
Lease Number: G16838	Source of Paleo: OPERATOR	Borehole MD: 23000
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22998
API Well Number: 608114029300	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 9503 - 23000	Water Depth: 6608
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Samples taken at 90-foot intervals above 19355, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9503 / 9503	DEF AT first sample examined	DEF AT 4
9590 / 9590	DEF IN Holocene Globorotalia inflata	DEF AT 4
9860 / 9860	DEF AT faunal change (no faunal increase)	DEF IN 4
10040 / 10040	DEF AT faunal change (no faunal increase)	POS IN 4
10220 / 10220	DEF AT faunal change (no faunal increase)	POS AT 4
10580 / 10580	DEF AT faunal change (no faunal increase)	DEF AT 4
11300 / 11300	DEF AT local marker benthic foram increase	DEF IN 4
11480 / 11480	DEF AT faunal change (no faunal increase)	DEF AT 4
12470 / 12470	DEF IN Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF IN 4
12560 / 12560	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
12740 / 12740	DEF AT faunal change (no faunal increase)	DEF AT 4
12855 / 12855	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
14720 / 14719	DEF AT local marker planktic foram increase	DEF IN 4
14810 / 14809	DEF AT faunal change (no faunal increase)	DEF AT 4
15530 / 15529	DEF AT local marker foram decrease	POS AT 4
18050 / 18049	DEF AT faunal change (no faunal increase)	DEF AT 4
18230 / 18229	DEF AT faunal change (no faunal increase)	POS AT 4
19790 / 19789	POS AT local marker benthic foram increase	DEF IN 4
19910 / 19909	DEF AT faunal change (no faunal increase)	POS IN 4
20300 / 20299	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 4
20390 / 20389	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
20450 / 20449	DEF AT faunal change (no faunal increase)	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 942	Date of Summary: 01-SEP-2001	First Sample Examined: 9503
Lease Number: G16838	Source of Paleo: OPERATOR	Borehole MD: 23000
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22998
API Well Number: 608114029300	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 9503 - 23000	Water Depth: 6608
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
20689 / 20688	DEF AT foram flood	DEF IN 5
20690 / 20689	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
20810 / 20809	DEF AT faunal change (no faunal increase)	DEF IN 4
20900 / 20899	DEF AT faunal change (no faunal increase)	DEF AT 4
21140 / 21139	DEF AT faunal change (no faunal increase)	DEF IN 4
21260 / 21259	DEF AT local marker planktic foram increase	DEF IN 4
21385 / 21384	DEF AT faunal change (no faunal increase)	POS IN 4
21650 / 21649	DEF AT foram flood	DEF IN 4
22160 / 22159	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
22219 / 22218	DEF AT foram flood	DEF AT 5
22220 / 22219	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
22280 / 22279	DEF AT faunal change (no faunal increase)	DEF IN 4
22790 / 22788	DEF AT faunal change (no faunal increase)	DEF AT 4
23000 / 22998	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 942	Date of Summary: 01-SEP-2001	First Sample Examined: 9503
Lease Number: G16838	Source of Paleo: OPERATOR	Borehole MD: 23000
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22998
API Well Number: 608114029300	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 9503 - 23000	Water Depth: 6608
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, samples were taken at 90-foot intervals above 19355, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9503 / 9503	DEF AT first sample examined	DEF AT
9680 / 9680	DEF AT reworked material	DEF AT
9860 / 9860	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
10040 / 10040	DEF AT reworked material	DEF AT
10310 / 10310	DEF IN Upper Pleistocene (Ionian) Pseudoemiliana lacunosa	DEF AT
10670 / 10670	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12560 / 12560	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
14090 / 14090	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
14449 / 14448	POS AT unconformity	DEF AT
14450 / 14449	DEF AT local marker floral increase	DEF AT
14720 / 14719	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
17330 / 17329	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
18050 / 18049	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
19790 / 19789	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
20390 / 20389	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
20690 / 20689	DEF AT reworked material	DEF AT
21020 / 21019	DEF AT reworked material	DEF AT
21170 / 21169	DEF AT reworked material	DEF AT
21650 / 21649	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
22190 / 22189	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
22730 / 22728	DEF AT reworked material	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 942	Date of Summary: 01-SEP-2001	First Sample Examined: 9503
Lease Number: G16838	Source of Paleo: OPERATOR	Borehole MD: 23000
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22998
API Well Number: 608114029300	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 9503 - 23000	Water Depth: 6608
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22940 / 22938	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
22970 / 22968	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 943	Date of Summary: 10-MAR-2004	First Sample Examined: 22060
Lease Number: G18461	Source of Paleo: OPERATOR	Borehole MD: 30435
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 29500
API Well Number: 608114039701	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 22060 - 30435	Water Depth: 5314
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22060 / 21936	DEF AT first sample examined	DEF AT
22061 / 21937	DEF IN Eocene	DEF AT
22090 / 21963	POS IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22105 / 21976	DEF AT base of salt	DEF AT
22210 / 22070	POS IN Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
22239 / 22096	DEF AT reworked material	DEF AT
22240 / 22097	POS AT Eocene	DEF AT
22300 / 22150	POS IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22390 / 22231	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22510 / 22338	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
22720 / 22526	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
23320 / 23059	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
23680 / 23380	DEF AT local marker floral decrease	DEF AT
24519 / 24126	DEF AT local marker floral increase	DEF AT
24520 / 24127	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
25900 / 25349	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
25930 / 25375	DEF AT reworked material	DEF AT
26560 / 25940	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
26650 / 26021	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
26710 / 26075	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
27370 / 26669	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperita	DEF AT
27910 / 27148	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GC 943	Date of Summary: 10-MAR-2004	First Sample Examined: 22060
Lease Number: G18461	Source of Paleo: OPERATOR	Borehole MD: 30435
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 29500
API Well Number: 608114039701	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 22060 - 30435	Water Depth: 5314
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28540 / 27707	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
28900 / 28037	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
29020 / 28148	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
29620 / 28715	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
30400 / 29466	POS AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
30435 / 29500	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GI 37	Date of Summary: 20-AUG-1995	First Sample Examined: 11590
Lease Number: 00392	Source of Paleo: OPERATOR	Borehole MD: 14900
Well Name: Y028	Paleo Done By: OPERATOR	Borehole TVD: 13636
API Well Number: 177174028501	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 11590 - 14900	Water Depth: 52
Public Info Code: Y 21-MAR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report, 14780=Gyroidina scalata

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11590 / 11180	DEF AT first sample examined	DEF AT 1
12290 / 11780	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 3
12440 / 11887	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
13310 / 12503	DEF AT local marker foram decrease	POS AT 2
13490 / 12630	DEF AT - - - - -	DEF AT 1
13640 / 12699	DEF AT local marker foram decrease	POS AT 1
14240 / 13132	DEF AT - - - - -	DEF AT 2
14300 / 13176	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 2
14360 / 13222	DEF AT - - - - -	DEF AT 1
14780 / 13543	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
14900 / 13636	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GI 45	Date of Summary: 28-SEP-1997	First Sample Examined: 0
Lease Number: G16461	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14504
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 14042
API Well Number: 177174039400	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 110
Public Info Code: Y 29-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3990 / 3990	POS AT Pliocene	DEF AT
11008 / 11006	POS AT Upper (Late) Miocene	DEF AT
11844 / 11823	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
12929 / 12761	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GI 90	Date of Summary: 30-SEP-1997	First Sample Examined: 0
Lease Number: G04003	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12766
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 11427
API Well Number: 177184005401	Drilling Operator: MOBIL EXPLORATION AND PRODUCIN	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 218
Public Info Code: Y 09-SEP-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10710 / 10102	POS AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT
12120 / 11018	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
12390 / 11187	DEF AT local marker benthic foram increase	DEF AT
12418 / 11204	POS IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GI 95	Date of Summary: 28-OCT-1997	First Sample Examined: 6000
Lease Number: G02163	Source of Paleo: OPERATOR	Borehole MD: 10075
Well Name: A006	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 8610
API Well Number: 177184001301	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 6000 - 10075	Water Depth: 200
Public Info Code: Y 17-OCT-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
6000 / 5622	DEF AT first sample examined	DEF AT
6120 / 5724	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
7530 / 6797	DEF AT local marker planktic foram increase	DEF AT
9899 / 8483	POS AT reworked material	DEF AT
9900 / 8483	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10075 / 8610	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GI 95	Date of Summary: 11-JAN-1996	First Sample Examined: 0
Lease Number: G02164	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7681
Well Name: A007	Paleo Done By: OPERATOR	Borehole TVD: 7101
API Well Number: 177184001402	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 200
Public Info Code: Y 05-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5080 / 4758	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5440 / 5110	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
6880 / 6395	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GI 95	Date of Summary: 17-DEC-1997	First Sample Examined: 7191
Lease Number: G02164	Source of Paleo: OPERATOR	Borehole MD: 9828
Well Name: A011	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 7087
API Well Number: 177184007800	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 7191 - 9350	Water Depth: 200
Public Info Code: Y 27-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7191 / 5659	DEF AT first sample examined	POS AT 4
7730 / 5949	DEF AT - - - - -	DEF AT 4
8210 / 6206	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
8390 / 6304	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8990 / 6638	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
9350 / 6841	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GI 95	Date of Summary: 09-NOV-1995	First Sample Examined: 0
Lease Number: G02164	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8620
Well Name: A013	Paleo Done By: OPERATOR	Borehole TVD: 7098
API Well Number: 177184008000	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 200
Public Info Code: Y 16-JUL-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2150 / 2149	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
4280 / 4269	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5800 / 5582	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
6860 / 6186	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GI 111	Date of Summary: 10-OCT-2000	First Sample Examined: 4000
Lease Number: G18069	Source of Paleo: OPERATOR	Borehole MD: 21057
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21050
API Well Number: 177184009800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 4000 - 21057	Water Depth: 320
Public Info Code: Y 27-DEC-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 3999	DEF AT first sample examined	DEF AT 5
4001 / 4000	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
6550 / 6548	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
6970 / 6968	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
7090 / 7088	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
7180 / 7178	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
7510 / 7508	DEF AT - - - - -	DEF AT 5
8020 / 8017	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8050 / 8047	DEF AT - - - - -	DEF IN 5
8829 / 8826	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8830 / 8827	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
8890 / 8887	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9190 / 9187	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 5
9430 / 9427	DEF AT - - - - -	DEF AT 5
10210 / 10207	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11140 / 11137	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
11200 / 11197	DEF AT - - - - -	DEF AT 6
11530 / 11527	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
11830 / 11827	DEF AT sample gap top	POS AT 6
14980 / 14975	DEF AT sample gap bottom	DEF AT 6
15100 / 15095	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
15320 / 15315	DEF AT - - - - -	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GI 111	Date of Summary: 10-OCT-2000	First Sample Examined: 4000
Lease Number: G18069	Source of Paleo: OPERATOR	Borehole MD: 21057
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21050
API Well Number: 177184009800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 4000 - 21057	Water Depth: 320
Public Info Code: Y 27-DEC-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17240 / 17234	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
18710 / 18704	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
18800 / 18794	DEF AT - - - - -	DEF AT 4
19580 / 19574	DEF AT - - - - -	DEF AT 5
20600 / 20593	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
21057 / 21050	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GI 111	Date of Summary: 10-OCT-2000	First Sample Examined: 4000
Lease Number: G18069	Source of Paleo: OPERATOR	Borehole MD: 21057
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21050
API Well Number: 177184009800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 4000 - 21057	Water Depth: 320
Public Info Code: Y 27-DEC-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 3999	DEF AT first sample examined	DEF AT
6370 / 6368	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6520 / 6518	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7090 / 7088	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7120 / 7118	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8020 / 8017	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8050 / 8047	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8620 / 8617	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8800 / 8797	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8830 / 8827	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8890 / 8887	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9490 / 9487	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10180 / 10177	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10660 / 10657	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11200 / 11197	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11740 / 11737	DEF AT salt	DEF AT
11830 / 11827	DEF AT sample gap top	DEF AT
15009 / 15004	DEF AT sample gap bottom	DEF AT
15010 / 15005	POS AT Upper (Late) Miocene	DEF AT
16310 / 16304	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16311 / 16305	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17270 / 17264	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: GI 111	Date of Summary: 10-OCT-2000	First Sample Examined: 4000
Lease Number: G18069	Source of Paleo: OPERATOR	Borehole MD: 21057
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21050
API Well Number: 177184009800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 4000 - 21057	Water Depth: 320
Public Info Code: Y 27-DEC-2005	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18740 / 18734	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19580 / 19574	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20480 / 20473	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21057 / 21050	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 37	Date of Summary: 30-SEP-1996	First Sample Examined: 0
Lease Number: G15769	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12984
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12531
API Well Number: 427084043300	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 38
Public Info Code: Y 23-SEP-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7215 / 6929	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9562 / 9135	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10350 / 9920	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
10970 / 10539	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 38	Date of Summary: 24-NOV-1997	First Sample Examined: 0
Lease Number: G14878	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13655
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11671
API Well Number: 427104012700	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 37
Public Info Code: Y 16-OCT-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7350 / 7349	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8645 / 8621	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT
9550 / 9391	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10780 / 10202	POS IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 52	Date of Summary: 08-MAY-1997	First Sample Examined: 0
Lease Number: 00512	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11959
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 11883
API Well Number: 427084045200	Drilling Operator: EL PASO PRODUCTION COMPANY	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 44
Public Info Code: Y 10-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
6104 / 6103	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7740 / 7738	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT
8370 / 8343	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
8940 / 8886	DEF IN Lower Miocene (Aquitanian) Siphonina davisii	DEF AT
10981 / 10906	DEF IN deepwater facies Planulina	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 72	Date of Summary: 20-MAR-2001	First Sample Examined: 0
Lease Number: G22231	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 7500
API Well Number: 427084053700	Drilling Operator: HALL-HOUSTON OIL COMPANY	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 31
Public Info Code: Y 04-JAN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7130 / 7129	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT
7173 / 7172	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 115	Date of Summary: 06-DEC-2000	First Sample Examined: 0
Lease Number: G18938	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12500
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 11463
API Well Number: 427084052301	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 45
Public Info Code: Y 20-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6000 / 5997	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
6340 / 6337	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
6772 / 6765	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
8140 / 8030	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8660 / 8448	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9605 / 9202	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
11000 / 10330	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 116	Date of Summary: 01-FEB-2000	First Sample Examined: 0
Lease Number: G06156	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11000
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 10999
API Well Number: 427084042400	Drilling Operator: FOREST OIL CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 45
Public Info Code: Y 12-APR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9760 / 9759	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 133	Date of Summary: 29-OCT-2001	First Sample Examined: 0
Lease Number: G18938	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14834
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13148
API Well Number: 427084048400	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 20-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10025 / 9998	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12998 / 12044	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 133	Date of Summary: 29-NOV-2001	First Sample Examined: 0
Lease Number: G18938	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14540
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 13036
API Well Number: 427084048900	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 20-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10040 / 9998	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12760 / 11904	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 134	Date of Summary: 05-APR-2000	First Sample Examined: 0
Lease Number: G06158	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12515
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 10671
API Well Number: 427084042800	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 49
Public Info Code: Y 23-JUN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9678 / 8946	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9950 / 9190	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 134	Date of Summary: 29-SEP-1999	First Sample Examined: 0
Lease Number: G06158	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11711
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 10423
API Well Number: 427084049600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 95
Paleo Report Num: 1 of 2	Sample Range: 0 - 0	Water Depth: 47
Public Info Code: Y 23-JUN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5984 / 5984	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8251 / 8227	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT
8775 / 8697	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10094 / 9534	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT
11528 / 10312	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 134	Date of Summary: 19-NOV-1999	First Sample Examined: 11190
Lease Number: G06158	Source of Paleo: OPERATOR	Borehole MD: 11711
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 10423
API Well Number: 427084049600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 95
Paleo Report Num: 2 of 2	Sample Range: 11190 - 11700	Water Depth: 47
Public Info Code: Y 23-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
11190 / 10115	DEF AT first sample examined	DEF AT
11191 / 10115	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnoides	DEF AT
11220 / 10131	POS AT Lower Miocene (Burdigalian) Discoaster caliculosus (increase)	DEF AT
11280 / 10165	POS AT Lower Miocene (Aquitania) Discoaster saundersi	DEF AT
11340 / 10200	POS IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
11700 / 10416	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 154	Date of Summary: 05-OCT-2001	First Sample Examined: 0
Lease Number: G15778	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 20915
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 12294
API Well Number: 427084050402	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 09-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18130 / 10889	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 160	Date of Summary: 30-NOV-1995	First Sample Examined: 0
Lease Number: 00742	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9596
Well Name: JA005	Paleo Done By: OPERATOR	Borehole TVD: 8936
API Well Number: 427084041701	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 11-DEC-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8140 / 7481	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
8600 / 7941	DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53	DEF AT
9115 / 8456	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 169	Date of Summary: 24-JAN-2000	First Sample Examined: 0
Lease Number: G14161	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14530
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14510
API Well Number: 427084047200	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 54
Public Info Code: Y 07-DEC-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11010 / 11009	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12600 / 12599	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
14130 / 14114	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 176	Date of Summary: 03-DEC-1996	First Sample Examined: 0
Lease Number: G06167	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12434
Well Name: C002	Paleo Done By: OPERATOR	Borehole TVD: 9750
API Well Number: 427084044100	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 51
Public Info Code: Y 30-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10195 / 8154	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
10834 / 8605	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
11990 / 9427	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 176	Date of Summary: 21-MAR-1997	First Sample Examined: 0
Lease Number: G06167	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12954
Well Name: C003	Paleo Done By: OPERATOR	Borehole TVD: 9588
API Well Number: 427084044900	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 51
Public Info Code: Y 11-MAR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11280 / 8516	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12507 / 9298	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 176	Date of Summary: 23-MAY-1997	First Sample Examined: 0
Lease Number: G06167	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15246
Well Name: C004	Paleo Done By: OPERATOR	Borehole TVD: 9660
API Well Number: 427084045400	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 76
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 51
Public Info Code: Y 05-MAY-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13079 / 8540	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
14550 / 9320	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 176	Date of Summary: 04-DEC-1997	First Sample Examined: 0
Lease Number: G06167	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15591
Well Name: C005	Paleo Done By: OPERATOR	Borehole TVD: 9486
API Well Number: 427084046700	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 22-NOV-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13539 / 8411	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
15038 / 9188	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 177	Date of Summary: 10-JUN-1997	First Sample Examined: 0
Lease Number: G06165	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13030
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 11701
API Well Number: 427084041900	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 55
Public Info Code: Y 22-JAN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
8695 / 7919	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9548 / 8650	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
10550 / 9523	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT
11400 / 10251	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
12189 / 10937	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 200	Date of Summary: 01-AUG-2005	First Sample Examined: 6990
Lease Number: G09086	Source of Paleo: OPERATOR	Borehole MD: 11092
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 10674
API Well Number: 427084060800	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 6990 - 11093	Water Depth: 50
Public Info Code: Y 28-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Paleo done by Rashel N Rosen, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6990 / 6989	DEF AT first sample examined	DEF AT 2
6991 / 6990	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
7140 / 7138	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 2
7230 / 7227	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 2
7290 / 7286	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 2
7680 / 7659	DEF AT - - - - -	DEF AT 2
8070 / 8011	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 2
8520 / 8403	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
8580 / 8454	DEF AT foram flood	DEF AT 3
8760 / 8607	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 3
9180 / 8972	DEF AT foram flood	DEF AT 3
9210 / 8999	DEF AT - - - - -	DEF IN 2
9240 / 9025	DEF AT - - - - -	DEF AT 3
9480 / 9236	DEF AT foram flood	DEF IN 3
9570 / 9315	DEF AT Arenaceous fauna (local marker)	DEF IN 3
9660 / 9395	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 3
9870 / 9578	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 3
9930 / 9631	DEF IN Middle Miocene (Langhian) Cibicides 38	DEF IN 3
10110 / 9788	DEF AT - - - - -	DEF IN 3
10590 / 10216	DEF AT cement	DEF AT 2
10800 / 10406	DEF AT - - - - -	DEF IN 2
10860 / 10461	DEF AT - - - - -	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 200	Date of Summary: 01-AUG-2005	First Sample Examined: 6990
Lease Number: G09086	Source of Paleo: OPERATOR	Borehole MD: 11092
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 10674
API Well Number: 427084060800	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 6990 - 11093	Water Depth: 50
Public Info Code: Y 28-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11070 / 10654	DEF AT last sample examined	DEF IN 2

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 202	Date of Summary: 28-JUL-2000	First Sample Examined: 0
Lease Number: G21346	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8230
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 6498
API Well Number: 427084051600	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 65
Public Info Code: Y 09-FEB-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7667 / 6100	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 202	Date of Summary: 27-SEP-2000	First Sample Examined: 0
Lease Number: G21347	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9940
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 6652
API Well Number: 427084051801	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 65
Public Info Code: Y 03-SEP-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8800 / 5997	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 207	Date of Summary: 22-MAY-1997	First Sample Examined: 0
Lease Number: G08151	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13896
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 9101
API Well Number: 427084044000	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 55
Public Info Code: Y 29-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12055 / 7923	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
13034 / 8538	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 207	Date of Summary: 17-SEP-1998	First Sample Examined: 0
Lease Number: G08151	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11558
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 10500
API Well Number: 427084042300	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 29-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6212 / 5689	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
6855 / 6250	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
7270 / 6618	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
8955 / 8157	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10690 / 9712	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 208	Date of Summary: 03-JUN-1997	First Sample Examined: 0
Lease Number: G07286	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12336
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 10400
API Well Number: 427084045600	Drilling Operator: SOCO OFFSHORE INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 58
Public Info Code: Y 30-SEP-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9325 / 7439	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
11160 / 9225	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT
11906 / 9971	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI 233	Date of Summary: 11-JUL-2001	First Sample Examined: 0
Lease Number: G22241	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9901
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9200
API Well Number: 427084054300	Drilling Operator: TDC ENERGY CORPORATION	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 30-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7688 / 7376	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 5	Date of Summary: 01-AUG-2000	First Sample Examined: 11980
Lease Number: G17156	Source of Paleo: OPERATOR	Borehole MD: 16720
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16715
API Well Number: 427084049700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 11980 - 16720	Water Depth: 57
Public Info Code: Y 11-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11980 / 11980	DEF AT first sample examined	DEF AT 2
11981 / 11981	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 2
12040 / 12040	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
12070 / 12070	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
12160 / 12159	DEF AT local marker foram increase	DEF AT 3
12190 / 12189	POS AT local marker foram decrease	DEF AT 3
12310 / 12309	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
12400 / 12399	POS AT local marker foram decrease	DEF AT 3
12490 / 12489	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
12580 / 12579	DEF AT Cyclammina cancellata (local marker)	DEF IN 4
12729 / 12728	DEF AT cement	POS AT 4
12730 / 12729	DEF AT local marker foram decrease	POS AT 4
12910 / 12909	POS AT Arenaceous fauna (local marker)	POS AT 4
12940 / 12939	DEF AT sample gap top	POS AT 4
13179 / 13178	DEF AT sample gap bottom	POS AT 3
13180 / 13179	DEF AT cement	POS AT 3
13210 / 13209	DEF AT sample gap top	POS AT 3
13689 / 13688	DEF AT sample gap bottom	POS AT 3
13690 / 13689	DEF AT cement	POS AT 3
13720 / 13719	DEF AT sample gap top	POS AT 3
15099 / 15097	DEF AT sample gap bottom	POS AT 3
15100 / 15098	DEF AT Middle Miocene (Langhian) Cristellaria / Robulus 53	POS AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 5	Date of Summary: 01-AUG-2000	First Sample Examined: 11980
Lease Number: G17156	Source of Paleo: OPERATOR	Borehole MD: 16720
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16715
API Well Number: 427084049700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 11980 - 16720	Water Depth: 57
Public Info Code: Y 11-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
15160 / 15158	DEF IN Lower Miocene (Burdigalian) Robulus 54B	POS AT 3
15190 / 15188	DEF AT sample gap top	POS AT 3
15700 / 15697	DEF AT sample gap bottom	POS AT 3
15760 / 15757	DEF AT local marker foram increase	DEF IN 3
15789 / 15786	DEF AT cement	POS AT 3
15790 / 15787	DEF AT local marker foram decrease	POS AT 3
15940 / 15937	DEF AT - - - - -	DEF IN 3
16720 / 16715	DEF AT last sample examined	DEF IN 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 5	Date of Summary: 01-AUG-2000	First Sample Examined: 12990
Lease Number: G17156	Source of Paleo: OPERATOR	Borehole MD: 16572
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 16564
API Well Number: 427084051101	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 12990 - 16550	Water Depth: 57
Public Info Code: Y 11-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
12990 / 12984	DEF AT first sample examined	POS AT 3
12991 / 12985	DEF IN cement	DEF AT 3
13020 / 13014	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
13050 / 13044	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
13260 / 13254	POS AT local marker foram decrease	DEF IN 3
13500 / 13494	DEF AT local marker foram increase	DEF IN 3
13680 / 13674	DEF IN Middle Miocene (Langhian) Cristellaria / Robulus 53	DEF IN 3
13709 / 13703	DEF AT limestone	DEF AT 3
13710 / 13704	DEF AT local marker foram decrease	DEF AT 3
13860 / 13854	POS IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
13890 / 13884	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
14160 / 14154	POS AT local marker foram increase	DEF AT 3
14190 / 14184	DEF AT local marker planktic foram increase	DEF AT 3
14460 / 14454	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
14790 / 14784	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
14820 / 14814	DEF AT local marker foram decrease	DEF AT 3
15030 / 15024	POS AT local marker foram increase	DEF AT 3
15480 / 15474	DEF AT local marker foram decrease	DEF AT 3
16550 / 16542	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 153	Date of Summary: 30-SEP-1999	First Sample Examined: 0
Lease Number: G18946	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10200
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 5924
API Well Number: 427084049401	Drilling Operator: TANA OIL AND GAS CORPORATION	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 127
Public Info Code: Y 03-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9580 / 5668	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 263	Date of Summary: 07-JAN-1999	First Sample Examined: 0
Lease Number: G13342	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5236
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 4998
API Well Number: 427114077600	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 156
Public Info Code: Y 21-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1420 / 1420	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
2984 / 2982	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
4242 / 4154	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 264	Date of Summary: 14-OCT-1996	First Sample Examined: 4400
Lease Number: G15805	Source of Paleo: OPERATOR	Borehole MD: 10847
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10157
API Well Number: 427114076400	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 4400 - 10850	Water Depth: 146
Public Info Code: Y 08-NOV-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4400 / 4400	DEF AT first sample examined	DEF AT 2
4640 / 4639	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
4700 / 4698	DEF AT - - - - -	DEF AT 3
5780 / 5690	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
8720 / 8294	DEF AT - - - - -	DEF AT 5
9440 / 8926	DEF AT - - - - -	DEF AT 6
9470 / 8952	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10190 / 9578	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
10250 / 9630	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
10850 /	DEF AT last sample examined	DEF AT 6

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 312	Date of Summary: 09-MAR-2001	First Sample Examined: 0
Lease Number: G14913	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8814
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 6908
API Well Number: 427114073500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 210
Public Info Code: Y 12-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6902 / 5718	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 312	Date of Summary: 13-OCT-1996	First Sample Examined: 0
Lease Number: G14913	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10460
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 8380
API Well Number: 427114074300	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 215
Public Info Code: Y 12-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7300 / 6719	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 312	Date of Summary: 15-APR-1997	First Sample Examined: 0
Lease Number: G14913	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6416
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 6292
API Well Number: 427114077300	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 210
Public Info Code: Y 12-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4668 / 4551	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6250 / 6126	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 312	Date of Summary: 22-APR-1997	First Sample Examined: 0
Lease Number: G14913	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5888
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 4618
API Well Number: 427114077500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 210
Public Info Code: Y 12-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5626 / 4412	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 376	Date of Summary: 30-OCT-1997	First Sample Examined: 3000
Lease Number: G02754	Source of Paleo: OPERATOR	Borehole MD: 9913
Well Name: B003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9272
API Well Number: 427114078700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 112
Paleo Report Num: 1 of 2	Sample Range: 3000 - 9913	Water Depth: 341
Public Info Code: Y 02-NOV-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
3000 /	DEF AT first sample examined	DEF AT 3
3001 /	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6090 /	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
6330 /	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
6480 /	DEF AT - - - - -	DEF AT 5
7440 /	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisceus (acme "B")	DEF AT 5
8490 /	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
9030 /	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9180 /	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
9913 /	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 376	Date of Summary: 03-NOV-1997	First Sample Examined: 6720
Lease Number: G02754	Source of Paleo: OPERATOR	Borehole MD: 9913
Well Name: B003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9272
API Well Number: 427114078700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 112
Paleo Report Num: 2 of 2	Sample Range: 3000 - 9913	Water Depth: 341
Public Info Code: Y 02-NOV-2007	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
6720 /	DEF AT first sample examined	DEF AT
7440 /	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8430 /	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
9030 /	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9300 /	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9913 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 376	Date of Summary: 30-OCT-1997	First Sample Examined: 9914
Lease Number: G02754	Source of Paleo: OPERATOR	Borehole MD: 11873
Well Name: B003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11000
API Well Number: 427114078701	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 112
Paleo Report Num: 1 of 2	Sample Range: 9914 - 11873	Water Depth: 341
Public Info Code: Y 18-NOV-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9914 / 9275	DEF AT first sample examined	DEF AT 5
9915 / 9276	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
11600 / 10756	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11715 / 10858	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
11873 / 10997	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 376	Date of Summary: 03-NOV-1997	First Sample Examined: 9914
Lease Number: G02754	Source of Paleo: OPERATOR	Borehole MD: 11873
Well Name: B003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11000
API Well Number: 427114078701	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 112
Paleo Report Num: 2 of 2	Sample Range: 9914 - 11873	Water Depth: 341
Public Info Code: Y 18-NOV-2007	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
9914 / 9275	DEF AT first sample examined	DEF AT
9915 / 9276	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11577 / 10736	DEF AT condensed section	DEF AT
11578 / 10737	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11579 / 10737	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11580 / 10738	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
11690 / 10836	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11740 / 10880	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11820 / 10950	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11873 / 10997	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 382	Date of Summary: 12-DEC-1997	First Sample Examined: 0
Lease Number: G02393	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8254
Well Name: F018	Paleo Done By: OPERATOR	Borehole TVD: 6484
API Well Number: 427114067301	Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME	Rkb Elevation: 113
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 342
Public Info Code: Y 08-NOV-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2270 / 2019	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
2370 / 2097	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT
5190 / 4184	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5760 / 4597	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 385	Date of Summary: 12-OCT-1995	First Sample Examined: 0
Lease Number: G10311	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7161
Well Name: D001	Paleo Done By: OPERATOR	Borehole TVD: 6708
API Well Number: 427114073800	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 363
Public Info Code: Y 23-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5135 / 4689	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 397	Date of Summary: 20-NOV-1997	First Sample Examined: 0
Lease Number: G13809	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11201
API Well Number: 427114078800	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 392
Public Info Code: Y 24-NOV-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5050 / 5050	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5950 / 5950	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
6760 / 6755	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7250 / 7245	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 415	Date of Summary: 02-APR-1997	First Sample Examined: 0
Lease Number: G15793	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7854
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 7853
API Well Number: 427094103100	Drilling Operator: TANA OIL AND GAS CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 143
Public Info Code: Y 03-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7020 / 7019	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 416	Date of Summary: 13-JUN-1997	First Sample Examined: 0
Lease Number: G15794	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8556
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 7235
API Well Number: 427094102500	Drilling Operator: TANA OIL AND GAS CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 139
Public Info Code: Y 07-MAY-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5320 / 5154	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7450 / 6534	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 467	Date of Summary: 29-JUL-1999	First Sample Examined: 0
Lease Number: G17181	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11842
Well Name: D001	Paleo Done By: OPERATOR	Borehole TVD: 8800
API Well Number: 427094102900	Drilling Operator: FORCENERGY INC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 198
Public Info Code: Y 04-JUL-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4460 / 3818	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6090 / 4896	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7211 / 5675	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 467	Date of Summary: 05-MAR-2001	First Sample Examined: 0
Lease Number: G20670	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8512
Well Name: D003	Paleo Done By: OPERATOR	Borehole TVD: 4202
API Well Number: 427094110500	Drilling Operator: FORCENERGY INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 195
Public Info Code: Y 23-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3788 / 2883	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7330 / 3762	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 469	Date of Summary: 30-NOV-2000	First Sample Examined: 0
Lease Number: G02689	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14068
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 7549
API Well Number: 427094049201	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 113
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 200
Public Info Code: Y 26-NOV-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9200 / 5031	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 469	Date of Summary: 16-NOV-2000	First Sample Examined: 0
Lease Number: G02689	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13429
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 9037
API Well Number: 427094050101	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 113
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 200
Public Info Code: Y 26-NOV-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7400 / 5293	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
11909 / 8069	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 537	Date of Summary: 09-JAN-1995	First Sample Examined: 0
Lease Number: G02698	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8060
Well Name: B016	Paleo Done By: OPERATOR	Borehole TVD: 6900
API Well Number: 427094098500	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 200
Public Info Code: Y 07-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3684 / 3300	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6267 / 5401	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT
7113 / 6100	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 537	Date of Summary: 24-JUL-1995	First Sample Examined: 0
Lease Number: G02698	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11900
Well Name: B017	Paleo Done By: OPERATOR	Borehole TVD: 6051
API Well Number: 427094098600	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 200
Public Info Code: Y 13-FEB-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1502 / 1501	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4900 / 3605	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8990 / 5371	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 553	Date of Summary: 26-AUG-1999	First Sample Examined: 0
Lease Number: G06237	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15224
Well Name: A007	Paleo Done By: OPERATOR	Borehole TVD: 13012
API Well Number: 427094103200	Drilling Operator: MISSION RESOURCES CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 265
Public Info Code: Y 15-AUG-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5100 / 5100	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
9990 / 9318	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
10470 / 9660	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT
10590 / 9746	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
12030 / 10821	POS AT Upper Pliocene (Gelasian) Bolivina impercata / "P"	DEF AT
12572 / 11219	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
13350 / 11723	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 557	Date of Summary: 16-NOV-1998	First Sample Examined: 0
Lease Number: G06238	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14030
Well Name: A009	Paleo Done By: OPERATOR	Borehole TVD: 8254
API Well Number: 427094102600	Drilling Operator: HESS CORPORATION	Rkb Elevation: 133
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 224
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5560 / 3885	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7150 / 4511	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
12500 / 7146	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
13790 / 8077	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 560	Date of Summary: 05-JAN-1996	First Sample Examined: 0
Lease Number: G14193	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11185
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 7731
API Well Number: 427094100000	Drilling Operator: UMC PETROLEUM CORPORATION	Rkb Elevation: 125
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 241
Public Info Code: Y 05-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8070 / 5668	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 563	Date of Summary: 18-MAR-1997	First Sample Examined: 11153
Lease Number: G02388	Source of Paleo: OPERATOR	Borehole MD: 11210
Well Name: B024	Paleo Done By: BIOSTRATIGRAPHIC INTERPRETATIONS	Borehole TVD: 6998
API Well Number: 427094056601	Drilling Operator: TEXACO INC	Rkb Elevation: 114
Paleo Report Num: 1 of 2	Sample Range: 11153 - 11500	Water Depth: 305
Public Info Code: Y 17-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11153 / 6912	DEF AT first sample examined	POS AT 3
11154 / 6913	DEF AT cement	POS AT 3
11335 /	DEF AT - - - - -	DEF AT 3
11365 /	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
11456 /	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
11485 /	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 563	Date of Summary: 19-MAR-1997	First Sample Examined: 11153
Lease Number: G02388	Source of Paleo: OPERATOR	Borehole MD: 11210
Well Name: B024	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 6998
API Well Number: 427094056601	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 114
Paleo Report Num: 2 of 2	Sample Range: 11153 - 11500	Water Depth: 305
Public Info Code: Y 17-APR-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11153 / 6912	DEF AT first sample examined	DEF AT
11215 /	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11455 /	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11500 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 571	Date of Summary: 19-SEP-1997	First Sample Examined: 4500
Lease Number: G02391	Source of Paleo: OPERATOR	Borehole MD: 11000
Well Name: 007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10991
API Well Number: 427094103300	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 4500 - 10980	Water Depth: 274
Public Info Code: Y 02-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT 3
4620 / 4620	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 3
4770 / 4770	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5040 / 5040	DEF AT local marker foram decrease	DEF AT 3
8220 / 8220	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
8700 / 8699	DEF AT - - - -	DEF AT 5
8760 / 8759	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8819 / 8818	DEF AT Bathysiphon fauna	DEF AT 5
8820 / 8819	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
8850 / 8849	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
8970 / 8968	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
9000 / 8998	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
9060 / 9058	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9090 / 9088	DEF AT Cyclamina sp. (local marker)	DEF AT 5
9360 / 9357	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
9569 / 9566	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
9570 / 9567	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9600 / 9597	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9630 / 9627	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
9780 / 9777	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
10950 / 10941	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
10980 / 10971	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 582	Date of Summary: 04-NOV-2000	First Sample Examined: 8000
Lease Number: G18959	Source of Paleo: OPERATOR	Borehole MD: 15147
Well Name: D001	Paleo Done By: OPERATOR	Borehole TVD: 12541
API Well Number: 427094110200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 89
Paleo Report Num: 1 of 2	Sample Range: 8000 - 15145	Water Depth: 440
Public Info Code: Y 01-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 9990=weak Kansas interstadial, 10560=Aftonian faunal increase with amber preservation, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7999	DEF AT first sample examined	DEF IN 3
8001 / 8000	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 3
8040 / 8039	DEF AT - - - - -	DEF AT 4
8070 / 8069	DEF AT - - - - -	DEF IN 3
8850 / 8824	DEF AT gray shale	DEF IN 3
8970 / 8932	DEF AT drilling material	DEF IN 3
9180 / 9114	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
9300 / 9214	DEF AT local marker foram increase	DEF AT 4
9389 / 9287	DEF AT pyrite	DEF IN 4
9390 / 9288	DEF AT local marker foram increase	DEF IN 4
9450 / 9335	DEF AT gray shale	DEF IN 4
9509 / 9382	DEF AT pyrite	DEF IN 4
9510 / 9382	DEF AT gray shale	DEF IN 4
9839 / 9626	DEF AT pyrite	DEF IN 4
9840 / 9627	DEF AT local marker foram increase	DEF IN 4
9990 / 9730	POS AT local marker (general)	DEF IN 4
10020 / 9750	DEF AT cement	DEF IN 4
10110 / 9809	DEF AT - - - - -	DEF AT 4
10349 / 9969	DEF AT pyrite	DEF IN 4
10350 / 9969	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
10410 / 10010	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 582	Date of Summary: 04-NOV-2000	First Sample Examined: 8000
Lease Number: G18959	Source of Paleo: OPERATOR	Borehole MD: 15147
Well Name: D001	Paleo Done By: OPERATOR	Borehole TVD: 12541
API Well Number: 427094110200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 89
Paleo Report Num: 1 of 2	Sample Range: 8000 - 15145	Water Depth: 440
Public Info Code: Y 01-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10469 / 10049	DEF AT pyrite	DEF IN 4
10560 / 10108	DEF AT local marker (general)	DEF IN 4
10589 / 10126	DEF AT shell fragments	DEF IN 4
10590 / 10126	DEF AT local marker foram decrease	DEF IN 4
10740 / 10215	DEF AT drilling material	DEF IN 4
10860 / 10280	DEF AT shell fragments	DEF IN 4
11070 / 10388	DEF AT gray shale	DEF IN 4
11100 / 10403	DEF AT turbid water facies	DEF IN 4
11249 / 10480	DEF AT pyrite	DEF IN 4
11250 / 10480	DEF AT local marker foram increase	DEF IN 4
11280 / 10496	DEF AT limestone	DEF IN 4
11460 / 10591	DEF AT turbid water facies	POS AT 4
11520 / 10622	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	POS AT 4
11550 / 10638	DEF AT drilling material	POS AT 4
11610 / 10669	DEF AT sample gap top	POS AT 4
11638 / 10684	DEF AT turbid water facies	POS AT 4
11639 / 10684	DEF AT sample gap bottom	POS AT 4
11670 / 10701	DEF AT sample gap top	POS AT 4
11760 / 10748	DEF AT sample gap bottom	DEF IN 4
12340 / 11048	DEF AT local marker foram increase	DEF IN 4
12599 / 11182	DEF AT pyrite	DEF IN 4
12600 / 11183	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF IN 4
12630 / 11198	DEF AT pyrite	DEF IN 4
12720 / 11245	DEF AT local marker foram decrease	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 582	Date of Summary: 04-NOV-2000	First Sample Examined: 8000
Lease Number: G18959	Source of Paleo: OPERATOR	Borehole MD: 15147
Well Name: D001	Paleo Done By: OPERATOR	Borehole TVD: 12541
API Well Number: 427094110200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 89
Paleo Report Num: 1 of 2	Sample Range: 8000 - 15145	Water Depth: 440
Public Info Code: Y 01-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12990 / 11386	POS AT Arenaceous fauna (local marker)	DEF IN 4
13260 / 11525	POS AT local marker foram increase	DEF IN 4
13395 / 11596	DEF AT cement	DEF AT 4
13620 / 11716	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 4
13680 / 11748	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 4
13830 / 11829	DEF AT local marker deep water fauna	DEF IN 4
13860 / 11845	DEF AT local marker foram increase	DEF IN 4
13950 / 11893	DEF AT local white Arenaceous fauna	DEF IN 4
13980 / 11909	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 4
14040 / 11942	DEF AT local marker foram increase	DEF IN 4
14070 / 11958	DEF AT pyrite	DEF IN 4
14940 / 12429	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
15030 / 12478	DEF AT local marker deep water fauna	DEF IN 4
15120 / 12527	POS AT local marker foram increase	DEF IN 4
15145 / 12540	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: HI A 582	Date of Summary: 15-NOV-2000	First Sample Examined: 8000
Lease Number: G18959	Source of Paleo: OPERATOR	Borehole MD: 15147
Well Name: D001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12541
API Well Number: 427094110200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 89
Paleo Report Num: 2 of 2	Sample Range: 8000 - 15145	Water Depth: 440
Public Info Code: Y 01-JUL-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7999	DEF AT first sample examined	DEF AT
8001 / 8000	DEF IN Middle Pleistocene	DEF AT
9920 / 9683	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10440 / 10030	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
12540 / 11151	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12600 / 11183	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12660 / 11214	DEF AT floral flood	DEF AT
12720 / 11245	DEF AT local marker floral decrease	DEF AT
13980 / 11909	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14220 / 12039	DEF AT local marker floral decrease	DEF AT
14940 / 12429	POS AT local marker floral increase	DEF AT
15144 / 12540	DEF AT local marker floral increase	DEF AT
15145 / 12540	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: KC 511	Date of Summary: 01-OCT-2002	First Sample Examined: 9450
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 22377
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22363
API Well Number: 608084000400	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 9450 - 13350	Water Depth: 6115
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 12540=middle Eocene Helicosphaera heezenii, 12780=middle Eocene Neococcolithes dubius (NP16), nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9450 / 9450	DEF AT first sample examined	DEF AT
9451 / 9451	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
9510 / 9510	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9570 / 9570	DEF AT reworked material	DEF AT
9690 / 9690	DEF AT Lower Pliocene (Zanclian) Discoaster variabilis	DEF AT
9750 / 9750	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9930 / 9930	DEF IN Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
10050 / 10050	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10110 / 10110	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10170 / 10170	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
10470 / 10470	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10530 / 10530	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
10710 / 10710	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10830 / 10830	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10890 / 10890	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
10950 / 10950	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11010 / 11010	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11130 / 11130	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11190 / 11190	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11250 / 11250	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
11310 / 11310	DEF IN Upper Miocene (Tortonian) Discoaster exilis	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: KC 511	Date of Summary: 01-OCT-2002	First Sample Examined: 9450
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 22377
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22363
API Well Number: 608084000400	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 9450 - 13350	Water Depth: 6115
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
11430 / 11430	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
11431 / 11431	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
11490 / 11490	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
11550 / 11549	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
11720 / 11719	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
11940 / 11939	DEF IN Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
12210 / 12209	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT
12240 / 12239	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
12241 / 12240	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
12300 / 12299	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
12480 / 12479	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
12540 / 12539	DEF IN Middle Eocene (Bartonian) Pemma balium	DEF AT
12780 / 12779	DEF AT Middle Eocene (Bartonian) Pemma stradneri	DEF AT
12810 / 12809	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
12960 / 12959	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
13110 / 13109	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
13290 / 13288	DEF AT Middle Eocene (Lutetian) Discoaster sublodoensis	DEF AT
13320 / 13318	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
13350 / 13348	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: KC 511	Date of Summary: 01-MAR-2003	First Sample Examined: 9450
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 22377
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22363
API Well Number: 608084000400	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 9450 - 13350	Water Depth: 6115
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 12960=Middle Eocene Hantkenina dumblei, 13170=Lower Eocene Clavigerinella jarvisi, Morozovella gracilis, and radiolarians, 13350=last sample above salt, the entire section above the salt is very condensed and very fossiliferous, containing a number of unconformities, the largest occurring at 11550, where the section goes from Middle Miocene to the Upper Oligocene

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9450 / 9450	DEF AT first sample examined	DEF AT 5
9451 / 9451	DEF IN Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9750 / 9750	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9810 / 9810	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
10110 / 10110	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
10170 / 10170	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
10290 / 10290	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
10409 / 10409	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
10410 / 10410	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
10470 / 10470	DEF IN Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
10590 / 10590	DEF AT faunal change (no faunal increase)	DEF AT 5
10890 / 10890	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
11250 / 11250	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
11549 / 11548	DEF AT unconformity	DEF AT 5
11550 / 11549	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
11790 / 11789	DEF AT local marker benthic foram increase	DEF IN 5
11850 / 11849	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF IN 5
11880 / 11879	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF IN 5
12210 / 12209	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF IN 5
12330 / 12329	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: KC 511	Date of Summary: 01-MAR-2003	First Sample Examined: 9450
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 22377
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22363
API Well Number: 608084000400	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 9450 - 13350	Water Depth: 6115
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
12570 / 12569	DEF IN Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 5
12870 / 12869	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF IN 5
12960 / 12959	DEF AT local marker planktic foram increase	DEF IN 5
12989 / 12988	DEF AT radiolarians	DEF IN 5
12990 / 12989	DEF AT Middle Eocene (Bartonian) Subbotina frontosa	DEF IN 5
13080 / 13079	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF IN 5
13170 / 13168	DEF AT radiolarians	DEF IN 5
13230 / 13228	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF IN 5
13290 / 13288	DEF AT local marker foram decrease	DEF IN 5
13350 / 13348	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: KC 511	Date of Summary: 01-DEC-2002	First Sample Examined: 22320
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 22547
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22533
API Well Number: 608084000401	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 22320 - 22547	Water Depth: 6120
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22320 / 22306	DEF AT first sample examined	DEF AT 4
22321 / 22307	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
22470 / 22456	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22499 / 22485	DEF AT reworked material	DEF AT 4
22500 / 22486	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
22547 / 22533	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: KC 511	Date of Summary: 01-DEC-2002	First Sample Examined: 22290
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 22547
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22533
API Well Number: 608084000401	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 22290 - 22547	Water Depth: 6120
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, see notes in original report for discussion of flora, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
22290 / 22276	DEF AT first sample examined	DEF AT
22291 / 22277	DEF AT base of salt	DEF AT
22292 / 22278	DEF AT out-of-place section	DEF AT
22320 / 22306	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
22350 / 22336	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22380 / 22366	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
22439 / 22425	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
22440 / 22426	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
22491 / 22477	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22529 / 22515	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
22530 / 22516	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: KC 511	Date of Summary: 01-FEB-2003	First Sample Examined: 22322
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 30082
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 30003
API Well Number: 608084000402	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 22322 - 30082	Water Depth: 6120
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, subsalt section, interpreted in four sections (see notes in report), 22800=lower Miocene Helicosphaera scissura, 24690=Lower Miocene Sphenolithus aff s heteromorphus, 27030=Helicosphaera bramlettei, 28080=Middle Eocene Helicosphaera heezeni with floral increase, 29610=Rupelian Reticulofenestra laevis, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22322 / 22255	DEF AT first sample examined	DEF AT
22323 / 22256	DEF AT out-of-place section	DEF AT
22324 / 22257	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22350 / 22283	DEF AT local marker floral increase	DEF AT
22410 / 22342	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
22440 / 22372	DEF AT local marker floral increase	DEF AT
22530 / 22461	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22560 / 22491	DEF AT local marker floral increase	DEF AT
22740 / 22670	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
22800 / 22730	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22980 / 22910	DEF AT reworked material	DEF AT
23190 / 23119	DEF AT local marker floral increase	DEF AT
23670 / 23599	DEF AT reworked material	DEF AT
23820 / 23749	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23880 / 23809	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
23940 / 23869	DEF AT reworked material	DEF AT
24030 / 23959	DEF AT reworked material	DEF AT
24090 / 24019	DEF AT reworked material	DEF AT
24120 / 24049	DEF IN Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
24210 / 24139	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: KC 511	Date of Summary: 01-FEB-2003	First Sample Examined: 22322
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 30082
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 30003
API Well Number: 608084000402	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 22322 - 30082	Water Depth: 6120
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
24270 / 24199	DEF AT reworked material	DEF AT
24390 / 24319	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
24420 / 24349	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
24480 / 24409	DEF AT reworked material	DEF AT
24690 / 24618	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
24750 / 24678	DEF IN Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
24810 / 24738	DEF AT reworked material	DEF AT
25140 / 25068	DEF AT reworked material	DEF AT
25170 / 25098	DEF AT Lower Miocene (Aquitanian) Discoaster woodringii	DEF AT
25440 / 25368	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
25650 / 25577	DEF AT reworked material	DEF AT
25830 / 25757	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
26160 / 26087	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
26340 / 26267	DEF AT local marker floral increase	DEF AT
26670 / 26596	DEF IN Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
27030 / 26956	POS AT Lower Oligocene Rupelian Stage	DEF AT 0
27180 / 27106	DEF AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT
27240 / 27166	DEF AT local marker floral increase	DEF AT
27480 / 27406	DEF AT floral flood	DEF AT
27510 / 27436	DEF IN Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT
27630 / 27555	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
27660 / 27585	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
27780 / 27705	DEF AT local marker floral increase	DEF AT
28080 / 28005	DEF AT Middle Eocene (Bartonian) Pemma stradneri	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: KC 511	Date of Summary: 01-FEB-2003	First Sample Examined: 22322
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 30082
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 30003
API Well Number: 608084000402	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 22322 - 30082	Water Depth: 6120
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
28200 / 28125	DEF AT Middle Eocene (Bartonian) Pemma papillatum	DEF AT
28420 / 28345	POS IN Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
28421 / 28346	POS IN Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
28530 / 28454	DEF AT local marker floral increase	DEF AT
28560 / 28484	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
28590 / 28514	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
28620 / 28544	DEF IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
28680 / 28604	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
28920 / 28843	DEF AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF AT
29610 / 29532	DEF AT local marker floral increase	DEF AT
29760 / 29681	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
29790 / 29711	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
30060 / 29980	DEF IN Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
30082 / 30002	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: KC 511	Date of Summary: 01-FEB-2003	First Sample Examined: 22320
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 30082
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 30003
API Well Number: 608084000402	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 22320 - 30082	Water Depth: 6120
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 26220=top of Oligocene with first Tiptonina nodifera and an increase in Robulus chambersi, 26820=Upper Oligocene (Chattian) Globigerina angulisuturalis, a large block of uppermost Upper Eocene noted between 27690 and 28740, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22320 / 22253	DEF AT first sample examined	DEF AT 5
22321 / 22254	POS IN gouge	DEF AT 5
22440 / 22372	POS IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
22620 / 22551	DEF AT - - - - -	DEF AT 4
22800 / 22730	DEF AT - - - - -	DEF AT 5
22860 / 22790	DEF AT Arenaceous fauna (local marker)	DEF AT 5
22950 / 22880	DEF AT local marker foram decrease	DEF AT 5
22980 / 22910	POS AT local marker planktic foram increase	DEF AT 5
23130 / 23059	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 4
23610 / 23539	POS IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
23700 / 23629	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
24000 / 23929	DEF AT local marker planktic foram increase	DEF AT 4
24150 / 24079	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
24210 / 24139	DEF AT local marker foram increase	DEF IN 5
24330 / 24259	DEF AT drilling material	DEF AT 4
24630 / 24559	DEF AT local marker planktic foram increase	DEF AT 4
24720 / 24648	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 4
25380 / 25308	POS AT deepwater facies Abbeville Iberia	DEF AT 5
25500 / 25428	DEF AT - - - - -	DEF AT 4
25860 / 25787	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: KC 511	Date of Summary: 01-FEB-2003	First Sample Examined: 22320
Lease Number: G17632	Source of Paleo: OPERATOR	Borehole MD: 30082
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 30003
API Well Number: 608084000402	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 22320 - 30082	Water Depth: 6120
Public Info Code: Y 31-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25919 / 25846	DEF AT reworked material	DEF AT 4
25920 / 25847	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 4
26220 / 26147	DEF AT Oligocene	DEF AT 4
26310 / 26237	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 4
26430 / 26357	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 4
26820 / 26746	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT 4
27510 / 27436	DEF AT local marker planktic foram increase	DEF AT 5
27659 / 27584	DEF AT condensed section	DEF IN 5
27660 / 27585	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF IN 5
27690 / 27615	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF IN 5
27780 / 27705	DEF AT Upper Eocene (Priabonian) Hantkenina alabamensis	DEF IN 5
27810 / 27735	DEF AT local marker planktic foram increase	DEF IN 5
27930 / 27855	DEF AT local marker planktic foram increase	DEF IN 5
28050 / 27975	DEF IN Upper Eocene (Priabonian) Textularia dibollensis	DEF IN 5
28170 / 28095	DEF AT local marker foram increase	DEF IN 5
28420 / 28345	DEF AT local marker foram increase	DEF IN 5
28739 / 28663	DEF AT local marker foram decrease	DEF AT 4
28860 / 28784	DEF AT local marker foram increase	DEF AT 4
29190 / 29113	DEF AT local marker foram increase	DEF AT 4
30082 / 30002	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 20	Date of Summary: 12-DEC-2000	First Sample Examined: 0
Lease Number: G04935	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9790
Well Name: A022	Paleo Done By: OPERATOR	Borehole TVD: 7648
API Well Number: 608174089900	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 479
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3960 / 3595	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
5760 / 4836	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8905 / 6960	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 20	Date of Summary: 19-FEB-2001	First Sample Examined: 0
Lease Number: G04935	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8375
Well Name: A024	Paleo Done By: OPERATOR	Borehole TVD: 6445
API Well Number: 608174090500	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 479
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4280 / 3582	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
6320 / 4947	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7750 / 5985	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
8020 / 6182	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 24	Date of Summary: 10-FEB-2005	First Sample Examined: 2620
Lease Number: G22852	Source of Paleo: OPERATOR	Borehole MD: 21887
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20987
API Well Number: 608174104700	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 2620 - 21877	Water Depth: 1106
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2620 / 2620	DEF AT first sample examined	DEF AT 4
3040 / 3040	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
3190 / 3190	DEF AT - - - -	DEF AT 5
3610 / 3610	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
3700 / 3700	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
3820 / 3820	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
3850 / 3850	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
3940 / 3940	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
4150 / 4150	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
8670 / 8670	DEF AT salt	DEF AT 5
10140 / 10140	DEF AT base of salt	DEF AT 6
10230 / 10230	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
11490 / 11490	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
11550 / 11550	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
11790 / 11790	DEF AT - - - -	DEF AT 5
14520 / 14349	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
15060 / 14831	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
15270 / 15020	DEF AT - - - -	DEF AT 5
15450 / 15181	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16140 / 15793	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
17580 / 17088	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
17850 / 17333	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 24	Date of Summary: 10-FEB-2005	First Sample Examined: 2620
Lease Number: G22852	Source of Paleo: OPERATOR	Borehole MD: 21887
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20987
API Well Number: 608174104700	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 2620 - 21877	Water Depth: 1106
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20970 / 20147	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
21210 / 20366	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
21750 / 20861	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
21877 / 20978	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 24	Date of Summary: 10-FEB-2005	First Sample Examined: 2620
Lease Number: G22852	Source of Paleo: OPERATOR	Borehole MD: 21887
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20987
API Well Number: 608174104700	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 2620 - 21877	Water Depth: 1106
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2620 / 2620	DEF AT first sample examined	DEF AT
2621 / 2621	POS IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
3040 / 3040	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
3550 / 3550	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
3670 / 3670	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
3700 / 3700	POS AT out-of-place section	DEF AT
3730 / 3730	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
3820 / 3820	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
3940 / 3940	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
4900 / 4900	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
6570 / 6570	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8670 / 8670	DEF AT salt	DEF AT
10140 / 10140	DEF AT base of salt	DEF AT
10290 / 10290	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
10740 / 10740	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11310 / 11310	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
11580 / 11580	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12690 / 12671	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13140 / 13088	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14370 / 14215	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15510 / 15235	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16140 / 15793	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 24	Date of Summary: 10-FEB-2005	First Sample Examined: 2620
Lease Number: G22852	Source of Paleo: OPERATOR	Borehole MD: 21887
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20987
API Well Number: 608174104700	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 2620 - 21877	Water Depth: 1106
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17610 / 17115	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20940 / 20119	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21209 / 20365	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21210 / 20366	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
21810 / 20916	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
21877 / 20978	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 85	Date of Summary: 01-NOV-1996	First Sample Examined: 10100
Lease Number: G08797	Source of Paleo: OPERATOR	Borehole MD: 12315
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11857
API Well Number: 608174053500	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 10100 - 12290	Water Depth: 5370
Public Info Code: Y 19-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10100 / 9920	DEF AT first sample examined	DEF AT 4
10101 / 9920	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
10280 / 10076	DEF AT -----	DEF IN 3
10310 / 10102	DEF AT -----	DEF AT 4
10340 / 10128	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
10370 / 10155	DEF AT -----	DEF AT 3
10400 / 10181	DEF AT local marker foram increase	DEF IN 3
10460 / 10233	DEF AT -----	DEF AT 4
10490 / 10259	DEF AT -----	DEF IN 4
10520 / 10285	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 5
10550 / 10311	DEF AT -----	DEF AT 4
10580 / 10337	DEF AT -----	DEF IN 4
10610 / 10363	DEF AT -----	DEF AT 5
10640 / 10389	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
10730 / 10467	DEF AT -----	DEF IN 4
10820 / 10545	DEF AT -----	DEF IN 3
10880 / 10597	DEF AT -----	DEF AT 5
10910 / 10623	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 3
11030 / 10727	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 3
11060 / 10753	DEF AT -----	DEF AT 4
11090 / 10780	DEF AT -----	DEF IN 4
11220 / 10893	DEF AT -----	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 85	Date of Summary: 01-NOV-1996	First Sample Examined: 10100
Lease Number: G08797	Source of Paleo: OPERATOR	Borehole MD: 12315
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11857
API Well Number: 608174053500	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 10100 - 12290	Water Depth: 5370
Public Info Code: Y 19-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11300 / 10962	DEF AT -----	DEF AT 5
11330 / 10988	DEF AT -----	DEF IN 4
11360 / 11014	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
11390 / 11041	DEF AT -----	DEF IN 3
11420 / 11067	DEF AT -----	DEF AT 4
11450 / 11093	DEF AT -----	DEF AT 5
11480 / 11119	DEF AT -----	DEF AT 4
11510 / 11145	DEF AT -----	DEF AT 5
11540 / 11172	DEF AT -----	DEF IN 4
11570 / 11198	DEF AT -----	DEF AT 4
11720 / 11330	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
11810 / 11409	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11960 / 11542	DEF AT -----	DEF IN 4
11990 / 11568	DEF AT -----	DEF AT 4
12050 / 11622	DEF AT -----	DEF IN 4
12080 / 11648	DEF AT -----	DEF IN 3
12110 / 11675	DEF AT -----	DEF IN 4
12200 / 11755	DEF AT -----	DEF AT 4
12290 / 11835	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 85	Date of Summary: 25-NOV-1996	First Sample Examined: 0
Lease Number: G08797	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11684
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11404
API Well Number: 608174053502	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 5370
Public Info Code: Y 25-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11160 / 10998	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
11460 / 11284	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
11840 /	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 154	Date of Summary: 07-JAN-1998	First Sample Examined: 0
Lease Number: G18196	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11994
API Well Number: 608174058200	Drilling Operator: DEVON SFS OPERATING INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1700
Public Info Code: Y 31-JUL-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3350 / 3350	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
7430 / 7429	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
11450 / 11446	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 199	Date of Summary: 26-JAN-2001	First Sample Examined: 4770
Lease Number: G18199	Source of Paleo: OPERATOR	Borehole MD: 6408
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6408
API Well Number: 608174087700	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 4770 - 6407	Water Depth: 2528
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4770 / 4770	DEF AT first sample examined	DEF AT
4771 / 4771	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
5460 / 5460	POS IN Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
6150 / 6150	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
6407 / 6407	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 199	Date of Summary: 26-JAN-2001	First Sample Examined: 4770
Lease Number: G18199	Source of Paleo: OPERATOR	Borehole MD: 6408
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6408
API Well Number: 608174087700	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 4770 - 6407	Water Depth: 2528
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4770 / 4770	DEF AT first sample examined	DEF IN 4
4920 / 4920	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 4
5400 / 5400	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
5460 / 5460	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 4
6407 / 6407	DEF AT last sample examined	DEF IN 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 199	Date of Summary: 26-JAN-2001	First Sample Examined: 5580
Lease Number: G18199	Source of Paleo: OPERATOR	Borehole MD: 8025
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8021
API Well Number: 608174087703	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 5580 - 8029	Water Depth: 2528
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5580 / 5577	DEF AT first sample examined	DEF IN 4
7170 / 7165	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
8029 /	DEF AT last sample examined	DEF IN 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 211	Date of Summary: 11-MAR-1997	First Sample Examined: 9640
Lease Number: G08801	Source of Paleo: OPERATOR	Borehole MD: 17816
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15840
API Well Number: 608174056900	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 9640 - 17750	Water Depth: 4270
Public Info Code: Y 23-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
9640 / 9638	DEF AT first sample examined	DEF AT
9641 / 9639	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9700 / 9698	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10300 / 10298	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10380 / 10378	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
10749 / 10746	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11789 / 11745	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11790 / 11746	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
12239 / 12071	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12240 / 12071	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14520 / 13509	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14580 / 13548	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
15330 / 14031	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
15630 / 14224	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
17180 / 15298	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
17360 / 15446	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17750 / 15782	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 252	Date of Summary: 30-NOV-1999	First Sample Examined: 7590
Lease Number: G18207	Source of Paleo: OPERATOR	Borehole MD: 9038
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 9000
API Well Number: 608174085600	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7590 - 9000	Water Depth: 5225
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: N	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
7590 / 7589	DEF AT first sample examined	DEF AT
7591 / 7590	DEF IN Upper Pliocene Piacenzian Stage	DEF AT
7710 / 7709	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
7770 / 7769	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
7890 / 7889	DEF AT local marker floral decrease	DEF AT
8070 / 8068	DEF AT local marker floral increase	DEF AT
8130 / 8128	DEF AT local marker floral decrease	DEF AT
8850 / 8826	DEF AT local marker floral increase	DEF AT
8970 / 8937	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
9000 / 8965	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 252	Date of Summary: 23-JAN-2000	First Sample Examined: 7590
Lease Number: G18207	Source of Paleo: OPERATOR	Borehole MD: 9038
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9000
API Well Number: 608174085600	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7590 - 9000	Water Depth: 5225
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Reigel Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7590 / 7589	DEF AT first sample examined	DEF IN 3
7591 / 7590	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 3
7619 / 7618	DEF AT pyrite	DEF IN 3
7620 / 7619	DEF AT local marker foram increase	DEF IN 3
7680 / 7679	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
7710 / 7709	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 4
7740 / 7739	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF IN 4
7860 / 7859	DEF AT local marker foram increase	DEF IN 4
7920 / 7919	DEF AT drilling material	DEF IN 4
7980 / 7979	DEF AT faunal change (no faunal increase)	DEF AT 4
8010 / 8009	DEF AT faunal change (no faunal increase)	DEF IN 4
8040 / 8039	DEF AT faunal change (no faunal increase)	DEF AT 4
8070 / 8068	DEF AT local marker foram decrease	DEF AT 4
8190 / 8188	DEF AT faunal change (no faunal increase)	DEF IN 3
8640 / 8629	DEF AT shell fragments	DEF IN 3
8790 / 8770	DEF AT local marker (general)	DEF IN 3
8820 / 8798	DEF AT Lower Pliocene (Zanclian) Sigmoidina "P" / cf. schlumbergeri	DEF IN 3
8850 / 8826	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
8970 / 8937	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 4
9000 / 8965	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 252	Date of Summary: 30-NOV-1999	First Sample Examined: 9000
Lease Number: G18207	Source of Paleo: OPERATOR	Borehole MD: 13600
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12832
API Well Number: 608174085602	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 9000 - 13600	Water Depth: 5225
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Reigel Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8965	DEF AT first sample examined	DEF AT
9120 / 9072	DEF AT local marker floral decrease	DEF AT
9360 / 9276	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
9780 / 9620	DEF AT local marker floral decrease	DEF AT
9960 / 9768	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
10240 / 9997	DEF AT local marker floral decrease	DEF AT
10440 / 10161	DEF AT local marker floral increase	DEF AT
10560 / 10259	DEF AT floral flood	DEF AT
10740 / 10405	DEF AT local marker floral decrease	DEF AT
10980 / 10601	DEF AT local marker floral increase	DEF AT
11040 / 10650	DEF AT local marker floral decrease	DEF AT
12360 / 11738	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
12420 / 11789	DEF AT local marker floral decrease	DEF AT
13080 / 12356	POS AT local marker floral increase	DEF AT
13200 / 12463	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13500 / 12739	DEF AT local marker floral increase	DEF AT
13560 / 12795	DEF AT floral flood	DEF AT
13600 / 12832	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 252	Date of Summary: 23-JAN-2000	First Sample Examined: 9000
Lease Number: G18207	Source of Paleo: OPERATOR	Borehole MD: 13600
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12832
API Well Number: 608174085602	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 9000 - 13600	Water Depth: 5225
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8965	DEF AT first sample examined	DEF IN 4
9120 / 9072	DEF AT local marker foram increase	DEF AT 4
9180 / 9125	DEF AT local marker foram increase	DEF AT 4
9210 / 9150	DEF AT pyrite	DEF AT 4
9270 / 9201	DEF AT local marker planktic foram increase	DEF IN 4
9360 / 9276	POS AT shell fragments	DEF IN 4
9390 / 9301	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF IN 4
9476 / 9371	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
9510 / 9399	DEF AT - - - - -	DEF IN 3
9630 / 9498	DEF AT local marker foram increase	DEF IN 3
9720 / 9572	DEF AT local marker foram increase	DEF IN 3
9930 / 9743	DEF AT - - - - -	DEF AT 3
10200 / 9965	DEF AT pyrite	DEF AT 3
10320 / 10063	POS AT local marker foram increase	DEF AT 3
10410 / 10137	DEF AT local marker planktic foram increase	DEF IN 3
10590 / 10283	DEF AT pyrite	DEF IN 3
10740 / 10405	DEF AT - - - - -	DEF AT 3
10890 / 10527	DEF AT local marker foram increase	DEF AT 3
11490 / 11018	DEF AT gray shale	DEF AT 3
11550 / 11068	POS AT reworked material	DEF AT 3
11730 / 11214	DEF AT local marker (general)	DEF AT 3
11755 / 11235	DEF AT drilling material	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 252	Date of Summary: 23-JAN-2000	First Sample Examined: 9000
Lease Number: G18207	Source of Paleo: OPERATOR	Borehole MD: 13600
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12832
API Well Number: 608174085602	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 9000 - 13600	Water Depth: 5225
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12150 / 11563	POS AT local marker foram increase	DEF AT 3
12180 / 11588	DEF AT pyrite	DEF AT 3
12300 / 11688	DEF AT Arenaceous fauna (local marker)	DEF AT 3
12390 / 11763	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
12450 / 11814	DEF AT local marker (general)	DEF AT 3
12900 / 12198	DEF AT pyrite	DEF AT 3
12990 / 12276	DEF AT Arenaceous fauna (local marker)	DEF AT 3
13020 / 12303	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
13080 / 12356	DEF AT pyrite	DEF AT 3
13170 / 12436	DEF AT local marker foram increase	DEF AT 3
13200 / 12463	DEF AT - - - - -	DEF AT 4
13350 / 12600	DEF AT local marker foram increase	DEF AT 4
13380 / 12628	DEF AT pyrite	DEF AT 4
13530 / 12767	DEF AT local marker foram increase	DEF AT 4
13600 / 12832	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 292	Date of Summary: 11-SEP-1995	First Sample Examined: 5560
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 17976
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17969
API Well Number: 608174050900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 5560 - 17976	Water Depth: 3405
Public Info Code: Y 07-OCT-2005	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5560 / 5559	DEF AT first sample examined	DEF AT
5561 / 5560	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
5830 / 5829	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
5890 / 5889	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
6010 / 6009	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
6070 / 6069	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
6250 / 6249	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6310 / 6309	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
6790 / 6789	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
7103 / 7102	DEF IN salt	DEF AT
9779 / 9775	DEF AT base of salt	DEF AT
9780 / 9776	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
9840 / 9835	DEF AT out-of-place section	DEF AT
9960 / 9955	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
10020 / 10015	DEF AT out-of-place section	DEF AT
10140 / 10135	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11520 / 11515	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
11970 / 11965	DEF AT local marker floral decrease	DEF AT
12330 / 12325	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12540 / 12535	DEF AT local marker floral decrease	DEF AT
13380 / 13374	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13740 / 13734	DEF AT local marker floral decrease	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 292	Date of Summary: 11-SEP-1995	First Sample Examined: 5560
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 17976
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17969
API Well Number: 608174050900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 5560 - 17976	Water Depth: 3405
Public Info Code: Y 07-OCT-2005	Ecozone Eq MMS:	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
14370 / 14364	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14550 / 14544	DEF AT local marker floral decrease	DEF AT
15630 / 15623	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15870 / 15863	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16410 / 16403	DEF AT floral flood	DEF AT
16860 / 16853	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17700 / 17693	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17910 / 17903	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
17975 / 17968	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
17976 / 17969	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 292	Date of Summary: 28-SEP-1995	First Sample Examined: 5560
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 17976
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17969
API Well Number: 608174050900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 5560 - 17976	Water Depth: 3405
Public Info Code: Y 07-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5560 / 5559	DEF AT first sample examined	DEF AT 4
5561 / 5560	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
5620 / 5619	DEF AT faunal change (no faunal increase)	DEF IN 4
5650 / 5649	DEF AT faunal change (no faunal increase)	DEF AT 4
5800 / 5799	DEF AT faunal change (no faunal increase)	DEF IN 4
5860 / 5859	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 4
5890 / 5889	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
5920 / 5919	DEF AT faunal change (no faunal increase)	DEF AT 5
5980 / 5979	DEF AT faunal change (no faunal increase)	DEF IN 4
6010 / 6009	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
6070 / 6069	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
6160 / 6159	DEF AT faunal change (no faunal increase)	DEF IN 4
6280 / 6279	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF IN 4
6430 / 6429	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 4
6550 / 6549	DEF AT faunal change (no faunal increase)	DEF AT 5
6610 / 6609	DEF AT faunal change (no faunal increase)	DEF AT 4
6640 / 6639	DEF AT faunal change (no faunal increase)	DEF AT 5
6700 / 6699	DEF AT faunal change (no faunal increase)	DEF IN 4
6820 / 6819	DEF AT Arenaceous fauna (local marker)	DEF IN 4
6910 / 6909	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 4
6920 / 6919	DEF AT salt	POS IN 4
9810 / 9806	DEF AT base of salt	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 292	Date of Summary: 28-SEP-1995	First Sample Examined: 5560
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 17976
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17969
API Well Number: 608174050900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 5560 - 17976	Water Depth: 3405
Public Info Code: Y 07-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9930 / 9925	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
9990 / 9985	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
10200 / 10195	DEF AT faunal change (no faunal increase)	DEF IN 4
10440 / 10435	DEF AT local marker planktic foram increase	DEF AT 4
10470 / 10465	DEF AT faunal change (no faunal increase)	DEF IN 4
10800 / 10795	DEF AT faunal change (no faunal increase)	DEF AT 4
10830 / 10825	DEF AT local marker planktic foram increase	DEF IN 4
10980 / 10975	DEF AT Bathysiphon fauna	DEF IN 4
11100 / 11095	DEF AT faunal change (no faunal increase)	DEF AT 4
11130 / 11125	DEF AT faunal change (no faunal increase)	DEF IN 4
11160 / 11155	DEF AT faunal change (no faunal increase)	DEF AT 4
11190 / 11185	DEF AT local white Arenacous fauna	DEF AT 4
11250 / 11245	DEF AT faunal change (no faunal increase)	DEF IN 3
11280 / 11275	DEF AT faunal change (no faunal increase)	DEF AT 4
11370 / 11365	DEF AT faunal change (no faunal increase)	DEF AT 3
11460 / 11455	POS AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4
11640 / 11635	DEF AT local marker foram decrease	DEF IN 3
11700 / 11695	DEF AT faunal change (no faunal increase)	DEF AT 4
11730 / 11725	DEF AT Eggerella sp. (local marker)	DEF IN 3
12120 / 12115	DEF AT faunal change (no faunal increase)	DEF AT 3
12210 / 12205	DEF AT faunal change (no faunal increase)	DEF IN 3
12300 / 12295	DEF AT faunal change (no faunal increase)	DEF AT 4
12329 / 12324	DEF AT local marker planktic foram increase	DEF AT 4
12330 / 12325	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 292	Date of Summary: 28-SEP-1995	First Sample Examined: 5560
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 17976
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17969
API Well Number: 608174050900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 5560 - 17976	Water Depth: 3405
Public Info Code: Y 07-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
12450 / 12445	DEF AT faunal change (no faunal increase)	DEF AT 3
12750 / 12745	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
13230 / 13225	DEF AT faunal change (no faunal increase)	DEF IN 2
13320 / 13314	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
13350 / 13344	DEF AT Eggerella sp. (local marker)	DEF AT 3
14010 / 14004	DEF AT Bathysiphon fauna	DEF AT 3
14100 / 14094	DEF AT faunal change (no faunal increase)	DEF IN 2
14340 / 14334	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 2
14760 / 14754	DEF AT faunal change (no faunal increase)	DEF AT 3
14820 / 14814	DEF AT faunal change (no faunal increase)	DEF IN 2
14850 / 14844	DEF AT faunal change (no faunal increase)	DEF IN 3
14940 / 14933	DEF AT faunal change (no faunal increase)	DEF AT 3
15000 / 14993	POS AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF IN 3
15330 / 15323	DEF AT faunal change (no faunal increase)	DEF AT 3
15420 / 15413	DEF AT faunal change (no faunal increase)	DEF IN 3
15600 / 15593	DEF AT local marker foram decrease	DEF AT 3
15750 / 15743	DEF AT faunal change (no faunal increase)	DEF AT 4
15810 / 15803	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
15840 / 15833	DEF AT faunal change (no faunal increase)	DEF IN 3
15990 / 15983	DEF AT faunal change (no faunal increase)	DEF AT 3
16020 / 16013	DEF AT faunal change (no faunal increase)	DEF AT 3
16050 / 16043	DEF AT faunal change (no faunal increase)	DEF IN 3
16140 / 16133	DEF AT Arenaceous fauna (local marker)	DEF IN 3
16200 / 16193	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 292	Date of Summary: 28-SEP-1995	First Sample Examined: 5560
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 17976
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17969
API Well Number: 608174050900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 5560 - 17976	Water Depth: 3405
Public Info Code: Y 07-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
16440 / 16433	DEF AT faunal change (no faunal increase)	DEF AT 3
16740 / 16733	DEF AT faunal change (no faunal increase)	DEF IN 3
16830 / 16823	DEF AT faunal change (no faunal increase)	DEF AT 3
16860 / 16853	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF IN 3
16980 / 16973	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 3
17070 / 17063	DEF AT faunal change (no faunal increase)	DEF AT 3
17280 / 17273	DEF AT foram flood	DEF IN 3
17610 / 17603	DEF AT faunal change (no faunal increase)	DEF AT 4
17670 / 17663	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
17790 / 17783	DEF AT faunal change (no faunal increase)	DEF AT 3
17910 / 17903	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 292	Date of Summary: 14-FEB-1997	First Sample Examined: 6600
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 19504
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19452
API Well Number: 608174054300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 6600 - 14220	Water Depth: 4120
Public Info Code: Y 17-FEB-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
6600 / 6599	DEF AT first sample examined	DEF AT
7140 / 7139	DEF AT reworked material	DEF AT
10560 / 10559	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11100 / 11099	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11700 / 11698	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12600 / 12597	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13200 / 13197	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14220 / 14215	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 292	Date of Summary: 17-APR-1997	First Sample Examined: 6600
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 19504
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19452
API Well Number: 608174054300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 6600 - 14250	Water Depth: 4120
Public Info Code: Y 17-FEB-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6600 / 6599	DEF AT first sample examined	DEF IN 4
6601 / 6600	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
6960 / 6959	DEF AT faunal change (no faunal increase)	DEF IN 3
7050 / 7049	DEF AT faunal change (no faunal increase)	DEF IN 4
7080 / 7079	POS AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 4
7110 / 7109	DEF AT local marker planktic foram increase	DEF IN 4
7440 / 7439	DEF AT faunal change (no faunal increase)	DEF IN 3
7650 / 7649	DEF AT faunal change (no faunal increase)	DEF AT 4
7830 / 7829	DEF AT faunal change (no faunal increase)	DEF IN 4
8370 / 8369	DEF AT pyrite	DEF AT 4
9420 / 9419	DEF AT faunal change (no faunal increase)	DEF IN 4
9840 / 9839	DEF AT faunal change (no faunal increase)	DEF IN 3
9900 / 9899	DEF AT local marker planktic foram increase	DEF AT 4
9930 / 9929	DEF AT foram flood	DEF AT 5
10140 / 10139	DEF AT local marker foram increase	DEF AT 5
10260 / 10259	DEF AT faunal change (no faunal increase)	DEF AT 4
10500 / 10499	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
10680 / 10679	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10740 / 10739	DEF AT local marker foram increase	DEF AT 4
10770 / 10769	DEF AT faunal change (no faunal increase)	DEF IN 4
11010 / 11009	DEF AT local marker planktic foram increase	DEF AT 5
11220 / 11219	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 292	Date of Summary: 17-APR-1997	First Sample Examined: 6600
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 19504
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19452
API Well Number: 608174054300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 6600 - 14250	Water Depth: 4120
Public Info Code: Y 17-FEB-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11550 / 11549	DEF AT faunal change (no faunal increase)	DEF AT 4
11700 / 11698	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4
11760 / 11758	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 4
12150 / 12148	DEF AT faunal change (no faunal increase)	DEF IN 3
12240 / 12238	DEF AT Arenaceous fauna (local marker)	DEF IN 3
12330 / 12328	DEF AT faunal change (no faunal increase)	DEF AT 4
12360 / 12358	DEF AT faunal change (no faunal increase)	DEF IN 3
12480 / 12478	DEF AT Eggerella sp. (local marker)	DEF IN 3
12600 / 12597	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
12630 / 12627	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
12750 / 12747	DEF AT faunal change (no faunal increase)	DEF IN 3
13020 / 13017	DEF AT Arenaceous fauna (local marker)	DEF IN 3
13410 / 13407	DEF AT faunal change (no faunal increase)	DEF AT 3
13590 / 13586	DEF AT Arenaceous fauna (local marker)	DEF IN 3
13650 / 13646	DEF AT Eggerella sp. (local marker)	DEF IN 3
13860 / 13856	DEF AT faunal change (no faunal increase)	DEF AT 3
14250 / 14245	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 292	Date of Summary: 04-APR-1997	First Sample Examined: 10050
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 16500
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15070
API Well Number: 608174054301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 1 of 3	Sample Range: 10050 - 16500	Water Depth: 4120
Public Info Code: Y 15-MAR-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10050 / 10049	DEF AT first sample examined	DEF AT
10051 / 10050	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10530 / 10527	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11010 / 10993	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11250 / 11212	DEF AT Upper Miocene (Messinian) Sphenolithus abies (giant)	DEF AT
11790 / 11664	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13110 / 12618	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14070 / 13311	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16170 / 14828	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16499 / 15070	DEF AT local marker floral decrease	DEF AT
16500 / 15070	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 292	Date of Summary: 29-APR-1997	First Sample Examined: 13576
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 16500
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15070
API Well Number: 608174054301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 2 of 3	Sample Range: 13576 - 13756	Water Depth: 4120
Public Info Code: Y 15-MAR-2007	Ecozone Eq MMS:	Paleo ID: 003

Remark: Report based on sidewall cores

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13578 / 12957	DEF AT local marker foram increase	DEF AT 3
13580 / 12958	DEF AT faunal change (no faunal increase)	DEF AT 4
13584 / 12961	DEF AT local marker foram increase	DEF AT 5
13585 / 12962	DEF AT faunal change (no faunal increase)	DEF AT 4
13740 / 13074	DEF AT faunal change (no faunal increase)	DEF AT 3
13745 / 13077	DEF AT faunal change (no faunal increase)	DEF AT 2

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 292	Date of Summary: 20-MAY-1997	First Sample Examined: 10050
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 16500
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15070
API Well Number: 608174054301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 3 of 3	Sample Range: 10050 - 16500	Water Depth: 4120
Public Info Code: Y 15-MAR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
10050 / 10049	DEF AT first sample examined	DEF AT 4
10051 / 10050	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
10410 / 10408	DEF AT faunal change (no faunal increase)	DEF AT 3
10470 / 10467	DEF AT faunal change (no faunal increase)	DEF AT 4
10500 / 10497	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
10710 / 10704	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
10860 / 10850	DEF AT faunal change (no faunal increase)	DEF AT 3
11010 / 10993	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
11070 / 11048	DEF AT faunal change (no faunal increase)	DEF IN 3
11130 / 11104	DEF AT faunal change (no faunal increase)	DEF AT 3
11190 / 11158	DEF AT faunal change (no faunal increase)	DEF IN 3
11220 / 11185	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 3
11370 / 11318	DEF AT faunal change (no faunal increase)	DEF AT 3
11790 / 11664	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4
11880 / 11731	DEF AT Eggerella sp. (local marker)	DEF IN 3
12540 / 12207	DEF AT Arenaceous fauna (local marker)	DEF IN 3
13140 / 12640	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 3
13290 / 12748	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF IN 3
14190 / 13397	DEF AT faunal change (no faunal increase)	DEF AT 3
14460 / 13591	DEF AT Eggerella sp. (local marker)	DEF AT 3
14640 / 13720	DEF AT Arenaceous fauna (local marker)	DEF IN 3
15270 / 14172	DEF AT Bathysiphon fauna	DEF IN 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 292	Date of Summary: 20-MAY-1997	First Sample Examined: 10050
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 16500
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15070
API Well Number: 608174054301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 3 of 3	Sample Range: 10050 - 16500	Water Depth: 4120
Public Info Code: Y 15-MAR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16030 / 14726	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
16220 / 14865	DEF AT faunal change (no faunal increase)	DEF IN 3
16500 / 15070	DEF AT last sample examined	DEF IN 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 292	Date of Summary: 27-MAR-1997	First Sample Examined: 8010
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 18069
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14545
API Well Number: 608174054302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 1 of 3	Sample Range: 8010 - 18096	Water Depth: 4153
Public Info Code: Y 12-APR-2007	Ecozone Eq MMS:	Paleo ID: 004

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
8010 / 7897	DEF AT first sample examined	DEF AT
8011 / 7898	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8250 / 8065	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11610 / 10175	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12930 / 11001	DEF AT Upper Miocene (Messinian) Discoaster decorus	DEF AT
13110 / 11117	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13290 / 11233	DEF IN Upper Miocene (Messinian) Discoaster decorus	DEF AT
13530 / 11385	DEF AT sample gap top	DEF AT
13770 / 11536	DEF AT sample gap bottom	DEF AT
13830 / 11575	DEF AT Upper Miocene (Messinian) Sphenolithus abies (giant)	DEF AT
13950 / 11654	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15270 / 12561	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16590 / 13485	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17790 / 14330	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
18096 / 14545	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 292	Date of Summary: 29-APR-1997	First Sample Examined: 13577
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 18069
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 14545
API Well Number: 608174054302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 2 of 3	Sample Range: 13577 - 13755	Water Depth: 4153
Public Info Code: Y 12-APR-2007	Ecozone Eq MMS:	Paleo ID: 003

Remark: Report based on sidewall cores

MD / TVD	Paleo Top Description	Ecozone
13576 / 11414	DEF AT first sample examined	DEF IN 3
13577 / 11415	DEF AT local marker foram increase	DEF IN 3
13580 / 11416	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
13583 / 11418	DEF AT foram flood	DEF AT 5
13584 / 11419	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 4
13740 / 11517	DEF AT faunal change (no faunal increase)	DEF AT 3
13745 / 11520	DEF AT Arenaceous fauna (local marker)	DEF IN 2
13755 / 11526	DEF AT last sample examined	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 292	Date of Summary: 06-MAY-1997	First Sample Examined: 7980
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 18069
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14545
API Well Number: 608174054302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 3 of 3	Sample Range: 7980 - 18096	Water Depth: 4153
Public Info Code: Y 12-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7980 / 7875	DEF AT first sample examined	DEF IN 3
7981 / 7876	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 3
8010 / 7897	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
8820 / 8424	DEF AT faunal change (no faunal increase)	DEF IN 4
9540 / 8876	DEF AT local marker planktic foram increase	DEF IN 4
9570 / 8895	DEF AT faunal change (no faunal increase)	DEF AT 4
10410 / 9418	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
11130 / 9871	DEF AT local marker planktic foram increase	DEF IN 4
11700 / 10232	DEF AT faunal change (no faunal increase)	DEF AT 4
11820 / 10309	DEF AT faunal change (no faunal increase)	DEF IN 3
12270 / 10589	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 3
12510 / 10737	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
12900 / 10982	DEF AT local marker planktic foram increase	DEF IN 4
12930 / 11001	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
13170 / 11156	DEF AT local marker foram increase	DEF AT 5
13320 / 11252	DEF AT faunal change (no faunal increase)	DEF AT 4
13350 / 11271	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
13800 / 11555	DEF AT faunal change (no faunal increase)	DEF IN 3
14129 / 11774	DEF AT Bathysiphon fauna	DEF AT 4
14130 / 11775	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT 4
14280 / 11878	DEF AT faunal change (no faunal increase)	DEF IN 3
15120 / 12457	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 292	Date of Summary: 06-MAY-1997	First Sample Examined: 7980
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 18069
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14545
API Well Number: 608174054302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 3 of 3	Sample Range: 7980 - 18096	Water Depth: 4153
Public Info Code: Y 12-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
15150 / 12478	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
15240 / 12540	DEF AT local marker foram increase	DEF AT 4
15300 / 12582	DEF AT foram flood	DEF AT 4
15420 / 12665	DEF AT Bathysiphon fauna	DEF IN 4
15540 / 12749	DEF AT faunal change (no faunal increase)	DEF AT 4
15690 / 12853	DEF AT faunal change (no faunal increase)	DEF IN 3
15750 / 12895	DEF AT faunal change (no faunal increase)	DEF AT 4
15810 / 12937	DEF AT Eggerella sp. (local marker)	DEF AT 4
16140 / 13168	DEF AT Arenaceous fauna (local marker)	DEF AT 4
16230 / 13231	DEF AT faunal change (no faunal increase)	DEF AT 3
16410 / 13358	DEF AT faunal change (no faunal increase)	DEF IN 2
16770 / 13612	DEF AT Arenaceous fauna (local marker)	DEF AT 3
17610 / 14204	DEF AT Bathysiphon fauna	DEF AT 3
17910 / 14415	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 3
18096 / 14545	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 427	Date of Summary: 22-DEC-2004	First Sample Examined: 8266
Lease Number: G16608	Source of Paleo: OPERATOR	Borehole MD: 11323
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11323
API Well Number: 608174105700	Drilling Operator: NEWFIELD EXPLORATION GULF COAST INC	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 8266 - 11300	Water Depth: 5782
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: N	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8266 / 8266	DEF AT first sample examined	DEF AT
8400 / 8400	POS IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
8800 / 8800	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
9400 / 9400	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9800 / 9800	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
10200 / 10200	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10580 / 10580	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11300 / 11300	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 429	Date of Summary: 25-APR-1996	First Sample Examined: 10000
Lease Number: G07944	Source of Paleo: OPERATOR	Borehole MD: 14890
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 14675
API Well Number: 608174051300	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 8200 - 14890	Water Depth: 6240
Public Info Code: Y 19-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
10000 / 10000	DEF AT first sample examined	DEF AT
10001 / 10001	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10540 / 10540	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10780 / 10780	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT
12550 / 12550	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13060 / 13060	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
13360 / 13360	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13540 / 13540	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
13600 / 13599	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14320 / 14244	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
14890 / 14672	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 442	Date of Summary: 16-JUL-1999	First Sample Examined: 12060
Lease Number: G18240	Source of Paleo: OPERATOR	Borehole MD: 22000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21964
API Well Number: 608174082901	Drilling Operator: NEWFIELD EXPLORATION GULF COAST INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 12060 - 22000	Water Depth: 1530
Public Info Code: Y 31-JUL-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12060 / 12048	DEF AT first sample examined	DEF AT
12900 / 12885	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15780 / 15761	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
19170 / 19149	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
21240 / 21211	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
22000 / 21964	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 442	Date of Summary: 30-JUL-1999	First Sample Examined: 12060
Lease Number: G18240	Source of Paleo: OPERATOR	Borehole MD: 22000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21964
API Well Number: 608174082901	Drilling Operator: NEWFIELD EXPLORATION GULF COAST INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 12060 - 22000	Water Depth: 1530
Public Info Code: Y 31-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12060 / 12048	DEF AT first sample examined	DEF AT 4
12061 / 12049	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
12900 / 12885	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
15300 / 15281	DEF AT - - - - -	DEF AT 5
15780 / 15761	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
17070 / 17051	DEF AT - - - - -	DEF AT 6
19770 / 19748	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
21660 / 21627	DEF AT - - - - -	DEF AT 5
22000 / 21964	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 520	Date of Summary: 01-APR-1997	First Sample Examined: 9370
Lease Number: G09821	Source of Paleo: OPERATOR	Borehole MD: 17500
Well Name: H001	Paleo Done By: OPERATOR	Borehole TVD: 17500
API Well Number: 608174054600	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 9370 - 17460	Water Depth: 6738
Public Info Code: Y 05-MAR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, overall foram sample quality is relatively poor, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9370 / 9370	DEF AT first sample examined	POS AT 3
9490 / 9490	DEF AT faunal change (no faunal increase)	DEF IN 3
9550 / 9550	DEF IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 4
9670 / 9670	DEF AT cement	DEF IN 3
9790 / 9790	DEF AT faunal change (no faunal increase)	DEF AT 4
9850 / 9850	DEF AT cement	DEF IN 3
10030 / 10030	POS AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT 3
10120 / 10120	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
10150 / 10150	DEF AT faunal change (no faunal increase)	DEF IN 3
10210 / 10210	DEF AT faunal change (no faunal increase)	DEF AT 4
10240 / 10240	DEF AT faunal change (no faunal increase)	DEF IN 3
10630 / 10630	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
10660 / 10660	DEF AT faunal change (no faunal increase)	DEF IN 3
11760 / 11760	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 3
11820 / 11820	DEF AT faunal change (no faunal increase)	DEF AT 4
11880 / 11880	DEF AT faunal change (no faunal increase)	DEF IN 3
12420 / 12420	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 3
12480 / 12480	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 3
12810 / 12810	DEF AT faunal change (no faunal increase)	DEF AT 4
12840 / 12840	DEF AT faunal change (no faunal increase)	DEF IN 3
13200 / 13200	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 520	Date of Summary: 01-APR-1997	First Sample Examined: 9370
Lease Number: G09821	Source of Paleo: OPERATOR	Borehole MD: 17500
Well Name: H001	Paleo Done By: OPERATOR	Borehole TVD: 17500
API Well Number: 608174054600	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 9370 - 17460	Water Depth: 6738
Public Info Code: Y 05-MAR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13230 / 13230	DEF AT faunal change (no faunal increase)	DEF AT 4
13260 / 13260	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 4
13350 / 13350	DEF AT faunal change (no faunal increase)	DEF IN 3
13380 / 13380	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF IN 3
13560 / 13560	DEF AT faunal change (no faunal increase)	DEF AT 4
13590 / 13590	DEF AT faunal change (no faunal increase)	DEF IN 3
13650 / 13650	DEF AT faunal change (no faunal increase)	DEF AT 4
13710 / 13710	DEF AT faunal change (no faunal increase)	DEF IN 3
13860 / 13860	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 3
13950 / 13950	DEF AT faunal change (no faunal increase)	DEF AT 4
14160 / 14160	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	POS AT 4
14190 / 14190	DEF AT faunal change (no faunal increase)	DEF IN 3
14520 / 14520	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 3
15030 / 15030	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
15240 / 15240	DEF AT faunal change (no faunal increase)	DEF AT 4
15270 / 15270	DEF AT faunal change (no faunal increase)	DEF IN 3
15330 / 15330	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
15360 / 15360	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 3
15420 / 15420	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 3
15600 / 15600	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF IN 4
15990 / 15990	DEF AT faunal change (no faunal increase)	DEF AT 4
16020 / 16020	DEF AT faunal change (no faunal increase)	DEF IN 3
16200 / 16200	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF IN 3
16230 / 16230	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 520	Date of Summary: 01-APR-1997	First Sample Examined: 9370
Lease Number: G09821	Source of Paleo: OPERATOR	Borehole MD: 17500
Well Name: H001	Paleo Done By: OPERATOR	Borehole TVD: 17500
API Well Number: 608174054600	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 9370 - 17460	Water Depth: 6738
Public Info Code: Y 05-MAR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16380 / 16379	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 3
17310 / 17309	DEF AT faunal change (no faunal increase)	DEF AT 4
17340 / 17339	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 3
17460 / 17458	DEF AT last sample examined	DEF IN 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 580	Date of Summary: 07-JAN-1999	First Sample Examined: 5590
Lease Number: G18259	Source of Paleo: OPERATOR	Borehole MD: 19620
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19519
API Well Number: 608174080900	Drilling Operator: NEWFIELD EXPLORATION GULF COAST INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 5590 - 19620	Water Depth: 2611
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5590 / 5590	DEF AT first sample examined	DEF AT
6370 / 6370	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6580 / 6580	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
6610 / 6610	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7060 / 7060	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7150 / 7150	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7180 / 7180	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7210 / 7210	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7240 / 7240	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7510 / 7510	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7690 / 7690	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9220 / 9220	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
9520 / 9520	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9910 / 9910	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11530 / 11530	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12220 / 12219	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13390 / 13389	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15160 / 15158	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16600 / 16595	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17530 / 17520	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18640 / 18613	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19390 / 19315	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 580	Date of Summary: 07-JAN-1999	First Sample Examined: 5590
Lease Number: G18259	Source of Paleo: OPERATOR	Borehole MD: 19620
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19519
API Well Number: 608174080900	Drilling Operator: NEWFIELD EXPLORATION GULF COAST INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 5590 - 19620	Water Depth: 2611
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19620 / 19519	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 580	Date of Summary: 08-JAN-1999	First Sample Examined: 5590
Lease Number: G18259	Source of Paleo: OPERATOR	Borehole MD: 19620
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19519
API Well Number: 608174080900	Drilling Operator: NEWFIELD EXPLORATION GULF COAST INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 5590 - 19620	Water Depth: 2611
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5590 / 5590	DEF AT first sample examined	POS AT 5
6280 / 6280	DEF AT faunal change (no faunal increase)	DEF IN 5
6340 / 6340	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
6610 / 6610	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
6850 / 6850	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
7060 / 7060	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
7210 / 7210	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
7270 / 7270	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
7300 / 7300	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
7810 / 7810	DEF AT faunal change (no faunal increase)	DEF AT 5
7960 / 7960	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
8980 / 8980	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9910 / 9910	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 5
9940 / 9940	DEF AT faunal change (no faunal increase)	DEF AT 6
11590 / 11590	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
12220 / 12219	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
14050 / 14049	DEF AT faunal change (no faunal increase)	DEF AT 5
15790 / 15787	DEF AT faunal change (no faunal increase)	DEF AT 6
17650 / 17638	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
19620 / 19519	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 607	Date of Summary: 15-DEC-1997	First Sample Examined: 10010
Lease Number: G09837	Source of Paleo: OPERATOR	Borehole MD: 17136
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16556
API Well Number: 608174057800	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 10010 - 17136	Water Depth: 6590
Public Info Code: Y 02-DEC-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10010 / 10010	DEF AT first sample examined	DEF AT 4
10011 / 10011	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
10040 / 10040	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
10370 / 10370	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
10400 / 10400	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
10550 / 10550	DEF AT faunal change (no faunal increase)	POS AT 4
10610 / 10610	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	POS AT 4
10850 / 10850	DEF AT faunal change (no faunal increase)	DEF AT 4
11030 / 11030	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	POS AT 4
11120 / 11120	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	POS AT 4
11210 / 11210	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	POS AT 4
11240 / 11240	DEF AT faunal change (no faunal increase)	DEF AT 4
11510 / 11510	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
11720 / 11720	DEF AT faunal change (no faunal increase)	POS AT 4
11900 / 11900	DEF AT faunal change (no faunal increase)	DEF AT 4
12530 / 12530	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
13430 / 13420	DEF AT faunal change (no faunal increase)	POS AT 4
13490 / 13476	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	POS AT 4
13550 / 13532	DEF AT Upper Miocene (Tortonian) Robulus "E"	POS AT 4
13970 / 13902	DEF AT faunal change (no faunal increase)	DEF AT 4
14150 / 14049	DEF AT faunal change (no faunal increase)	POS AT 4
14580 / 14401	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	POS AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 607	Date of Summary: 15-DEC-1997	First Sample Examined: 10010
Lease Number: G09837	Source of Paleo: OPERATOR	Borehole MD: 17136
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16556
API Well Number: 608174057800	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 10010 - 17136	Water Depth: 6590
Public Info Code: Y 02-DEC-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
14990 / 14741	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
15170 / 14890	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
15800 / 15417	DEF AT faunal change (no faunal increase)	DEF AT 4
16070 / 15645	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
17136 / 16556	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 607	Date of Summary: 15-DEC-1997	First Sample Examined: 14440
Lease Number: G09837	Source of Paleo: OPERATOR	Borehole MD: 17338
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16486
API Well Number: 608174057801	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 14400 - 17340	Water Depth: 6590
Public Info Code: Y 12-DEC-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14440 / 14286	DEF AT first sample examined	POS AT 4
14520 / 14351	DEF AT faunal change (no faunal increase)	POS AT 4
14940 / 14688	DEF AT faunal change (no faunal increase)	DEF AT 4
15030 / 14759	DEF AT faunal change (no faunal increase)	POS AT 4
15750 / 15310	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
17340 /	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 637	Date of Summary: 04-FEB-2004	First Sample Examined: 6437
Lease Number: G15500	Source of Paleo: OPERATOR	Borehole MD: 26900
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 26841
API Well Number: 608174100600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 3	Sample Range: 6437 - 26900	Water Depth: 4066
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6437 / 6433	DEF AT first sample examined	DEF AT
7810 / 7804	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7869 / 7863	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7870 / 7864	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7930 / 7924	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7960 / 7954	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8440 / 8434	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9640 / 9634	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10240 / 10234	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10870 / 10864	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11890 / 11883	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12820 / 12810	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
14290 / 14278	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14800 / 14788	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14980 / 14968	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
16630 / 16618	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17440 / 17428	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18190 / 18178	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19090 / 19076	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19480 / 19465	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19990 / 19975	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
20290 / 20274	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 637	Date of Summary: 04-FEB-2004	First Sample Examined: 6437
Lease Number: G15500	Source of Paleo: OPERATOR	Borehole MD: 26900
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 26841
API Well Number: 608174100600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 3	Sample Range: 6437 - 26900	Water Depth: 4066
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21790 / 21755	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22120 / 22082	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
23680 / 23640	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
26900 / 26842	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 637	Date of Summary: 04-FEB-2004	First Sample Examined: 13150
Lease Number: G15500	Source of Paleo: OPERATOR	Borehole MD: 26900
Well Name: 001	Paleo Done By: DANA LYNNE GRIFFITH	Borehole TVD: 26841
API Well Number: 608174100600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 2 of 3	Sample Range: 13150 - 26890	Water Depth: 4066
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
13150 / 13139	DEF AT first sample examined	DEF AT
13480 / 13469	DEF AT faunal change (no faunal increase)	DEF IN 4
13540 / 13528	DEF AT faunal change (no faunal increase)	DEF AT 4
13600 / 13588	DEF AT faunal change (no faunal increase)	DEF AT 5
13720 / 13708	DEF AT faunal change (no faunal increase)	DEF IN 4
13900 / 13888	DEF AT faunal change (no faunal increase)	DEF AT 4
14080 / 14068	DEF AT faunal change (no faunal increase)	DEF AT 5
14140 / 14128	DEF AT faunal change (no faunal increase)	DEF IN 4
14560 / 14548	DEF AT faunal change (no faunal increase)	DEF AT 5
14740 / 14728	DEF AT local marker planktic foram increase	DEF IN 4
14920 / 14908	DEF AT faunal change (no faunal increase)	DEF AT 4
14980 / 14968	DEF AT Bathysiphon fauna	DEF IN 4
15160 / 15148	DEF AT faunal change (no faunal increase)	DEF AT 4
15220 / 15208	DEF AT faunal change (no faunal increase)	DEF AT 5
15280 / 15268	DEF AT faunal change (no faunal increase)	DEF IN 4
15460 / 15448	DEF AT local marker planktic foram increase	DEF AT 5
15940 / 15928	DEF AT local marker foram decrease	DEF AT 4
16000 / 15988	DEF AT local marker benthic foram increase	DEF IN 4
16060 / 16048	DEF AT Cyclammina sp. (local marker)	DEF AT 4
16600 / 16588	DEF AT foram flood	DEF AT 5
16720 / 16708	DEF AT faunal change (no faunal increase)	DEF AT 4
17200 / 17188	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 637	Date of Summary: 04-FEB-2004	First Sample Examined: 13150
Lease Number: G15500	Source of Paleo: OPERATOR	Borehole MD: 26900
Well Name: 001	Paleo Done By: DANA LYNNE GRIFFITH	Borehole TVD: 26841
API Well Number: 608174100600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 2 of 3	Sample Range: 13150 - 26890	Water Depth: 4066
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
17320 / 17308	DEF AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF AT 4
17380 / 17368	DEF AT local marker deep water fauna	DEF IN 4
17440 / 17428	POS AT local marker planktic foram increase	DEF AT 4
18160 / 18148	DEF AT Arenaceous fauna (local marker)	DEF IN 5
18580 / 18567	DEF AT local marker benthic foram increase	DEF AT 4
18880 / 18867	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 4
19000 / 18986	DEF AT local marker deep water fauna	DEF IN 5
19240 / 19226	DEF AT faunal change (no faunal increase)	DEF IN 4
19420 / 19406	DEF AT foram flood	DEF IN 5
19480 / 19465	DEF AT local marker benthic foram increase	DEF IN 4
19990 / 19975	DEF AT local marker foram decrease	DEF AT 4
20020 / 20005	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
20050 / 20035	DEF AT local marker planktic foram increase	DEF IN 4
20080 / 20065	DEF AT local marker deep water fauna	DEF IN 5
20290 / 20274	DEF AT Bathysiphon fauna	DEF IN 4
20320 / 20304	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
20440 / 20423	DEF AT local marker planktic foram increase	DEF AT 5
20500 / 20483	DEF AT faunal change (no faunal increase)	DEF AT 4
20620 / 20602	DEF AT local marker deep water fauna	DEF AT 6
20680 / 20661	DEF AT Arenaceous fauna (local marker)	DEF IN 4
20740 / 20720	POS AT local marker foram decrease	DEF AT 4
21520 / 21488	DEF AT local marker deep water fauna	DEF IN 5
21580 / 21547	POS AT local marker foram decrease	DEF AT 5
21640 / 21606	DEF AT local marker foram decrease	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 637	Date of Summary: 04-FEB-2004	First Sample Examined: 13150
Lease Number: G15500	Source of Paleo: OPERATOR	Borehole MD: 26900
Well Name: 001	Paleo Done By: DANA LYNNE GRIFFITH	Borehole TVD: 26841
API Well Number: 608174100600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 2 of 3	Sample Range: 13150 - 26890	Water Depth: 4066
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21700 / 21666	DEF AT Arenaceous fauna (local marker)	DEF IN 5
21970 / 21933	DEF AT foram flood	DEF AT 6
22360 / 22322	DEF AT local marker deep water fauna	DEF IN 5
22420 / 22382	DEF AT local marker benthic foram increase	DEF IN 4
22760 / 22721	DEF AT local marker planktic foram increase	DEF AT 6
22900 / 22861	DEF AT local marker benthic foram increase	DEF IN 5
22930 / 22891	DEF AT faunal change (no faunal increase)	DEF IN 4
23020 / 22981	DEF AT faunal change (no faunal increase)	DEF IN 4
23200 / 23160	DEF AT local marker foram decrease	DEF AT 4
23260 / 23220	DEF AT local marker planktic foram increase	DEF AT 5
23680 / 23640	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 6
23800 / 23759	DEF AT foram flood	DEF IN 6
23920 / 23879	DEF AT faunal change (no faunal increase)	DEF AT 6
23980 / 23940	DEF AT local marker foram decrease	DEF IN 4
24040 / 24000	DEF AT local marker planktic foram increase	DEF AT 6
24160 / 24120	DEF AT faunal change (no faunal increase)	DEF IN 5
24220 / 24179	DEF AT faunal change (no faunal increase)	DEF IN 4
24280 / 24239	DEF AT faunal change (no faunal increase)	DEF IN 5
24340 / 24299	DEF AT local marker deep water fauna	DEF AT 6
24400 / 24358	DEF AT faunal change (no faunal increase)	DEF IN 4
24520 / 24476	DEF AT faunal change (no faunal increase)	DEF AT 5
24580 / 24535	DEF AT faunal change (no faunal increase)	DEF IN 5
24760 / 24712	DEF AT local marker foram decrease	DEF AT 4
24820 / 24772	DEF AT local marker planktic foram increase	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 637	Date of Summary: 04-FEB-2004	First Sample Examined: 13150
Lease Number: G15500	Source of Paleo: OPERATOR	Borehole MD: 26900
Well Name: 001	Paleo Done By: DANA LYNNE GRIFFITH	Borehole TVD: 26841
API Well Number: 608174100600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 2 of 3	Sample Range: 13150 - 26890	Water Depth: 4066
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24880 / 24831	DEF AT local marker foram decrease	DEF IN 4
25060 / 25008	DEF AT Arenaceous fauna (local marker)	DEF IN 5
25120 / 25068	DEF AT local marker planktic foram increase	DEF AT 6
25180 / 25127	DEF AT local marker foram decrease	DEF IN 5
25300 / 25245	DEF AT faunal change (no faunal increase)	DEF AT 4
25360 / 25304	DEF AT local marker foram decrease	DEF IN 4
25420 / 25364	DEF AT local marker foram decrease	DEF AT 4
25540 / 25484	DEF AT local marker deep water fauna	DEF IN 6
25550 / 25494	DEF AT faunal change (no faunal increase)	DEF AT 6
25600 / 25544	DEF AT local marker foram decrease	DEF IN 5
25960 / 25903	DEF AT faunal change (no faunal increase)	DEF IN 5
26020 / 25963	DEF AT faunal change (no faunal increase)	DEF AT 4
26080 / 26023	DEF AT faunal change (no faunal increase)	DEF IN 5
26140 / 26083	DEF AT local marker planktic foram increase	DEF AT 6
26200 / 26143	DEF AT faunal change (no faunal increase)	DEF IN 5
26260 / 26203	DEF AT faunal change (no faunal increase)	DEF AT 6
26320 / 26263	DEF AT faunal change (no faunal increase)	DEF AT 6
26440 / 26383	DEF AT local marker foram decrease	DEF AT 4
26620 / 26563	DEF AT local marker deep water fauna	DEF AT 6
26740 / 26682	DEF AT faunal change (no faunal increase)	DEF IN 6
26800 / 26742	DEF AT faunal change (no faunal increase)	DEF AT 6
26890 / 26832	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 637	Date of Summary: 01-MAR-2004	First Sample Examined: 6437
Lease Number: G15500	Source of Paleo: OPERATOR	Borehole MD: 26900
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 26841
API Well Number: 608174100600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 3 of 3	Sample Range: 6437 - 26890	Water Depth: 4066
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6437 / 6433	DEF AT first sample examined	DEF AT
7810 / 7804	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7869 / 7863	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7870 / 7864	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7930 / 7924	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7960 / 7954	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8440 / 8434	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9640 / 9634	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10240 / 10234	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10870 / 10864	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11890 / 11883	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12820 / 12810	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
14290 / 14278	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14800 / 14788	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14980 / 14968	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
16630 / 16618	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17440 / 17428	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19090 / 19076	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19480 / 19465	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21790 / 21755	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22120 / 22082	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
26890 / 26832	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 674	Date of Summary: 11-NOV-1996	First Sample Examined: 5360
Lease Number: G13687	Source of Paleo: OPERATOR	Borehole MD: 23154
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23088
API Well Number: 608174054400	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 4343 - 23154	Water Depth: 2702
Public Info Code: Y 10-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Pluto Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5360 / 5360	DEF AT first sample examined	DEF IN 4
5660 / 5660	DEF AT - - - - -	DEF AT 5
5930 / 5930	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
5990 / 5990	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
6200 / 6200	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
6290 / 6290	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
6319 / 6319	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
6320 / 6320	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
6380 / 6380	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
6800 / 6800	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
6801 / 6801	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
6920 / 6920	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
7040 / 7040	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
7839 / 7839	DEF AT salt	DEF AT
11570 / 11549	DEF AT base of salt	DEF AT 5
12200 / 12168	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 4
12890 / 12846	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 4
13160 / 13112	DEF AT - - - - -	DEF AT 5
13430 / 13380	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
14780 / 14726	DEF AT - - - - -	DEF IN 4
16310 / 16253	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 4
16730 / 16673	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 674	Date of Summary: 11-NOV-1996	First Sample Examined: 5360
Lease Number: G13687	Source of Paleo: OPERATOR	Borehole MD: 23154
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23088
API Well Number: 608174054400	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 4343 - 23154	Water Depth: 2702
Public Info Code: Y 10-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
17660 / 17602	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 4
18229 / 18171	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 4
18230 / 18172	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF IN 4
20390 / 20330	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 4
21710 / 21647	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 4
23154 / 23089	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 705	Date of Summary: 24-MAR-2000	First Sample Examined: 5365
Lease Number: G18273	Source of Paleo: OPERATOR	Borehole MD: 15284
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11826
API Well Number: 608174086000	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5265 - 15284	Water Depth: 854
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5265 / 5123	DEF AT first sample examined	DEF AT
8570 / 7403	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10970 / 8987	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11960 / 9641	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12960 / 10299	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14000 / 10983	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14450 / 11279	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15200 / 11771	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15284 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 705	Date of Summary: 24-MAR-2000	First Sample Examined: 5265
Lease Number: G18273	Source of Paleo: OPERATOR	Borehole MD: 15284
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11826
API Well Number: 608174086000	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 5265 - 15284	Water Depth: 854
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5265 / 5123	DEF AT first sample examined	POS AT 4
5266 / 5123	DEF IN cement	POS AT 4
5570 / 5346	DEF AT - - - - -	DEF AT 4
6830 / 6210	DEF AT - - - - -	DEF AT 5
10250 / 8512	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
11960 / 9641	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
12200 / 9799	DEF AT - - - - -	DEF AT 5
14450 / 11279	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
15200 / 11771	DEF AT - - - - -	DEF IN 5
15284 /	DEF AT last sample examined	DEF IN 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 705	Date of Summary: 13-AUG-2004	First Sample Examined: 5222
Lease Number: G18273	Source of Paleo: OPERATOR	Borehole MD: 13645
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12830
API Well Number: 608174104500	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 5222 - 13645	Water Depth: 850
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5222 / 5172	DEF AT first sample examined	DEF IN 4
5720 / 5618	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 4
5780 / 5671	DEF AT - - - -	DEF AT 5
6980 / 6752	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
7880 / 7569	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
10120 / 9603	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
10270 / 9740	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
10899 / 10314	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
10900 / 10315	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
11080 / 10480	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
11800 / 11134	DEF AT - - - -	DEF AT 5
11980 / 11299	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
12820 / 12071	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
13390 / 12595	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
13420 / 12623	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
13450 / 12651	DEF AT - - - -	DEF IN 5
13480 / 12678	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
13540 / 12733	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
13630 / 12817	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 5
13645 / 12830	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 705	Date of Summary: 08-MAR-1999	First Sample Examined: 3070
Lease Number: G19980	Source of Paleo: OPERATOR	Borehole MD: 13250
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10538
API Well Number: 608174083900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 3070 - 13250	Water Depth: 854
Public Info Code: Y 01-FEB-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3070 / 3070	DEF AT first sample examined	DEF AT
3071 / 3071	DEF IN Upper Pleistocene	DEF AT
4570 / 4507	DEF AT local marker floral increase	DEF AT
4690 / 4609	POS AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
4750 / 4658	DEF AT floral flood	DEF AT
5890 / 5498	DEF AT local marker floral increase	DEF AT
6310 / 5785	DEF AT local marker floral increase	DEF AT
6850 / 6146	DEF AT floral flood	DEF AT
7510 / 6590	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10330 / 8522	DEF AT floral flood	DEF AT
10450 / 8605	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa T.R.	DEF AT
11050 / 9021	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11770 / 9508	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13090 / 10425	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13250 / 10538	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 705	Date of Summary: 01-JUN-1999	First Sample Examined: 3070
Lease Number: G19980	Source of Paleo: OPERATOR	Borehole MD: 13250
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10538
API Well Number: 608174083900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 3070 - 13250	Water Depth: 854
Public Info Code: Y 01-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 3760=local Bolivina acme, 3820=Bulimina aculeata acme, 5530=tan-gray shale influx, 6970=Angulogerina illingi, 7390=first observed Hanzawaia leroyi
7450=Lower Middle Illinoian increase, 9010=Siphonodosaria emaciata, 13060=Kansan interstadial, foram species abundance and diversity chart
available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3070 / 3070	DEF AT first sample examined	DEF AT 4
3071 / 3071	DEF IN Pleistocene	DEF AT 4
3100 / 3100	DEF AT local marker foram increase	DEF AT 4
3130 / 3130	DEF AT local marker foram increase	DEF AT 4
3190 / 3190	DEF AT sand	DEF AT 4
3250 / 3250	DEF AT -----	DEF IN 3
3310 / 3310	DEF AT -----	DEF AT 4
3340 / 3340	DEF AT -----	DEF IN 3
3370 / 3369	DEF AT -----	DEF AT 3
3490 / 3489	DEF AT local marker foram increase	DEF IN 3
3640 / 3638	DEF AT local marker foram increase	DEF AT 3
3670 / 3667	DEF AT sand	DEF AT 3
3760 / 3756	DEF AT local marker foram increase	DEF AT 3
3820 / 3814	DEF AT local marker foram increase	DEF AT 3
3970 / 3960	DEF AT Holocene Globorotalia inflata	DEF IN 3
4180 / 4158	DEF AT -----	DEF AT 4
4390 / 4349	DEF AT -----	DEF IN 3
4630 / 4558	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF IN 3
4810 / 4707	DEF AT -----	DEF AT 4
4930 / 4802	DEF AT local marker foram increase	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 705	Date of Summary: 01-JUN-1999	First Sample Examined: 3070
Lease Number: G19980	Source of Paleo: OPERATOR	Borehole MD: 13250
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10538
API Well Number: 608174083900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 3070 - 13250	Water Depth: 854
Public Info Code: Y 01-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5200 / 5007	DEF AT - - - - -	DEF IN 3
5500 / 5218	DEF AT cement	DEF IN 3
5530 / 5239	DEF AT gray shale	DEF IN 3
5890 / 5498	DEF AT sand	DEF IN 3
6820 / 6126	DEF AT - - - - -	DEF AT 4
6970 / 6227	DEF AT local marker (general)	DEF AT 4
7390 / 6507	DEF AT local marker (general)	DEF AT 4
7450 / 6548	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
7480 / 6569	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
7690 / 6713	DEF AT - - - - -	DEF IN 3
8710 / 7406	DEF AT sand	DEF IN 3
9010 / 7616	DEF AT local marker (general)	DEF IN 3
9340 / 7846	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 3
9550 / 7991	DEF AT - - - - -	DEF AT 3
9970 / 8279	DEF AT local marker foram increase	DEF IN 3
10300 / 8502	DEF AT local marker foram increase	DEF AT 4
10600 / 8711	DEF AT - - - - -	DEF IN 3
10780 / 8837	DEF AT - - - - -	DEF AT 3
10990 / 8980	DEF AT local marker foram increase	DEF AT 4
11140 / 9082	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
11470 / 9304	DEF AT - - - - -	DEF IN 3
11680 / 9447	DEF AT local marker foram increase	DEF IN 3
11920 / 9610	DEF AT - - - - -	DEF AT 3
12790 / 10214	POS AT local marker foram increase	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 705	Date of Summary: 01-JUN-1999	First Sample Examined: 3070
Lease Number: G19980	Source of Paleo: OPERATOR	Borehole MD: 13250
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10538
API Well Number: 608174083900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 3070 - 13250	Water Depth: 854
Public Info Code: Y 01-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12850 / 10256	DEF AT sand	DEF AT 3
13060 / 10404	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 3
13250 / 10538	DEF AT last sample examined	DEF IN 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 714	Date of Summary: 10-FEB-1999	First Sample Examined: 5450
Lease Number: G15507	Source of Paleo: OPERATOR	Borehole MD: 9494
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9494
API Well Number: 608174081600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5450 - 9490	Water Depth: 3262
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5450 / 5450	DEF AT first sample examined	DEF AT 4
5750 / 5750	DEF AT faunal change (no faunal increase)	DEF IN 3
5860 / 5860	DEF AT faunal change (no faunal increase)	DEF AT 2
5990 / 5990	DEF AT faunal change (no faunal increase)	DEF IN 2
6290 / 6290	DEF AT faunal change (no faunal increase)	DEF AT 3
6350 / 6350	DEF AT faunal change (no faunal increase)	DEF IN 4
6410 / 6410	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 4
6740 / 6740	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
6980 / 6980	DEF AT faunal change (no faunal increase)	DEF IN 4
7100 / 7100	DEF AT faunal change (no faunal increase)	DEF AT 3
7220 / 7220	DEF AT faunal change (no faunal increase)	DEF AT 4
7280 / 7280	DEF AT faunal change (no faunal increase)	DEF IN 4
7790 / 7790	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 4
8300 / 8300	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 4
8600 / 8600	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 4
8601 / 8601	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF IN 4
8840 / 8840	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
8930 / 8930	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF IN 4
8975 / 8975	DEF IN salt	DEF IN 4
9050 / 9050	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 4
9440 / 9440	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 714	Date of Summary: 27-SEP-1999	First Sample Examined: 5540
Lease Number: G15507	Source of Paleo: OPERATOR	Borehole MD: 16083
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 16064
API Well Number: 608174082500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5540 - 16083	Water Depth: 3262
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5540 / 5540	DEF AT first sample examined	DEF AT 2
5960 / 5960	DEF AT faunal change (no faunal increase)	DEF AT 3
6320 / 6320	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 4
6860 / 6860	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 4
7310 / 7310	DEF AT faunal change (no faunal increase)	DEF AT 5
8090 / 8090	DEF AT faunal change (no faunal increase)	DEF IN 4
8360 / 8360	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 4
8480 / 8480	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 4
8540 / 8540	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF IN 4
8570 / 8570	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
8600 / 8600	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 4
8750 / 8750	DEF AT faunal change (no faunal increase)	DEF AT 5
8930 / 8930	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 5
8968 / 8968	DEF AT salt	DEF AT
9000 / 9000	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15130 / 15115	DEF AT base of salt	DEF IN 4
15134 / 15119	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 4
15139 / 15124	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
15140 / 15125	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 4
15170 / 15155	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 4
15620 / 15604	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF IN 4
15770 / 15753	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 714	Date of Summary: 27-SEP-1999	First Sample Examined: 5540
Lease Number: G15507	Source of Paleo: OPERATOR	Borehole MD: 16083
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 16064
API Well Number: 608174082500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5540 - 16083	Water Depth: 3262
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16040 / 16022	DEF AT last sample examined	DEF IN 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 718	Date of Summary: 25-OCT-1995	First Sample Examined: 4400
Lease Number: G07952	Source of Paleo: OPERATOR	Borehole MD: 22500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22500
API Well Number: 608174051000	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 4400 - 22500	Water Depth: 2828
Public Info Code: Y 19-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4400 / 4400	DEF AT first sample examined	POS IN 4
5000 / 5000	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	POS IN 4
5210 / 5210	DEF AT - - - - -	DEF AT 5
5570 / 5570	DEF AT - - - - -	DEF IN 4
6620 / 6619	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 4
6770 / 6769	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
7400 / 7399	DEF AT - - - - -	DEF AT 5
7790 / 7789	DEF AT - - - - -	DEF IN 4
8090 / 8089	DEF AT - - - - -	DEF AT 5
8120 / 8119	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
8209 / 8208	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
8210 / 8209	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
8510 / 8509	DEF AT - - - - -	DEF IN 4
8870 / 8869	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 4
9139 / 9138	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
9140 / 9139	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9169 / 9168	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
9170 / 9169	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9230 / 9229	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
11030 / 11029	DEF AT cement	POS AT 5
11120 / 11119	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
11180 / 11179	DEF AT - - - - -	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 718	Date of Summary: 25-OCT-1995	First Sample Examined: 4400
Lease Number: G07952	Source of Paleo: OPERATOR	Borehole MD: 22500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22500
API Well Number: 608174051000	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 4400 - 22500	Water Depth: 2828
Public Info Code: Y 19-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11240 / 11239	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
11540 / 11539	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 4
12260 / 12259	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 4
12710 / 12709	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF IN 4
12860 / 12859	DEF AT - - - - -	DEF AT 5
13160 / 13159	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
13520 / 13519	DEF AT - - - - -	DEF IN 4
14840 / 14839	DEF AT - - - - -	DEF AT 5
15800 / 15798	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
16190 / 16188	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
16250 / 16248	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
16670 / 16668	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
16969 / 16967	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
16970 / 16968	DEF AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF AT 5
17330 / 17328	DEF AT - - - - -	DEF IN 4
17629 / 17627	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 4
17630 / 17628	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF IN 4
18800 / 18796	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 4
19520 / 19514	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF IN 4
19580 / 19574	DEF AT - - - - -	DEF AT 5
20120 / 20113	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
21140 / 21131	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
21920 / 21910	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 5
22500 / 22489	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 718	Date of Summary: 04-JAN-1996	First Sample Examined: 13600
Lease Number: G13687	Source of Paleo: OPERATOR	Borehole MD: 22430
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 20035
API Well Number: 608174051001	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 13600 - 22430	Water Depth: 2828
Public Info Code: Y 19-JAN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Pluto Prospect, company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
13600 / 13588	DEF AT first sample examined	POS IN 4
13601 / 13589	DEF AT cement	POS IN 4
13630 / 13618	DEF IN Lower Pliocene Zancian Stage	POS IN 4
13660 / 13648	DEF AT - - - - -	DEF IN 4
15160 / 15015	DEF AT - - - - -	DEF IN 4
15550 / 15282	DEF AT Upper Miocene (Tortonian) Robulus "E"	POS IN 4
15790 / 15440	DEF AT - - - - -	DEF IN 4
16360 / 15825	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 4
17920 / 16859	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 4
17950 / 16880	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 4
18400 / 17183	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 4
19059 / 17619	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF IN 4
19060 / 17620	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 4
19930 / 18178	DEF AT - - - - -	DEF IN 4
21070 / 18915	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 4
21340 / 19115	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
22300 / 19906	POS AT Upper Miocene (Tortonian) Discoaster exilis	DEF IN 4
22430 / 20022	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 722	Date of Summary: 04-APR-2005	First Sample Examined: 6710
Lease Number: G18278	Source of Paleo: OPERATOR	Borehole MD: 29212
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26959
API Well Number: 608174105200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6710 - 29210	Water Depth: 3869
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6710 / 6708	DEF AT first sample examined	DEF AT 5
7700 / 7698	DEF AT - - - - -	DEF IN 5
7820 / 7817	DEF AT - - - - -	DEF AT 5
8960 / 8957	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
8990 / 8987	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9020 / 9017	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9080 / 9077	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
9407 / 9404	DEF AT - - - - -	DEF AT 5
9560 / 9557	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9650 / 9647	DEF AT - - - - -	DEF AT 6
9680 / 9677	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
9890 / 9887	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
9920 / 9917	DEF AT - - - - -	DEF AT 5
11480 / 11477	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
12320 / 12317	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
12470 / 12467	POS IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
13100 / 13097	DEF AT salt	DEF AT 5
22340 / 21926	DEF AT base of salt	DEF AT 5
22341 / 21926	DEF IN out-of-place section	DEF AT 5
22460 / 22015	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
25190 / 24008	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
25370 / 24140	DEF AT - - - - -	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 722	Date of Summary: 04-APR-2005	First Sample Examined: 6710
Lease Number: G18278	Source of Paleo: OPERATOR	Borehole MD: 29212
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26959
API Well Number: 608174105200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6710 - 29210	Water Depth: 3869
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29210 / 26958	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 722	Date of Summary: 04-APR-2005	First Sample Examined: 6710
Lease Number: G18278	Source of Paleo: OPERATOR	Borehole MD: 29212
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26959
API Well Number: 608174105200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6710 - 14400	Water Depth: 3869
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6710 / 6708	DEF AT first sample examined	DEF AT
7910 / 7907	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8960 / 8957	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8990 / 8987	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9020 / 9017	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9050 / 9047	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9200 / 9197	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9710 / 9707	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9770 / 9767	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9950 / 9947	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11240 / 11237	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11270 / 11267	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
11660 / 11657	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12110 / 12107	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12140 / 12137	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
12350 / 12347	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
12380 / 12377	DEF AT salt	DEF AT
12470 / 12467	POS IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
12500 / 12497	POS IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13100 / 13097	DEF IN salt	DEF AT
22340 / 21926	DEF AT base of salt	DEF AT
22341 / 21926	DEF IN out-of-place section	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 722	Date of Summary: 04-APR-2005	First Sample Examined: 6710
Lease Number: G18278	Source of Paleo: OPERATOR	Borehole MD: 29212
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26959
API Well Number: 608174105200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6710 - 14400	Water Depth: 3869
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22430 / 21992	POS IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23720 / 22936	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
25190 / 24008	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
27020 / 25343	DEF AT local marker floral increase	DEF AT
29210 / 26958	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 736	Date of Summary: 21-SEP-2006	First Sample Examined: 9470
Lease Number: G16645	Source of Paleo: OPERATOR	Borehole MD: 16235
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14959
API Well Number: 608174109700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - I	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 9470 - 16230	Water Depth: 6108
Public Info Code: Y 27-MAY-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nannofossil report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9470 / 9469	DEF AT first sample examined	DEF AT 5
9471 / 9470	DEF IN Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT 5
9528 / 9527	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9529 / 9528	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
9530 / 9529	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
9978 / 9971	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
9979 / 9972	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 5
9980 / 9973	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
10040 / 10031	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
10100 / 10089	DEF AT - - - - -	DEF AT 6
10190 / 10174	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
10490 / 10455	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
10879 / 10799	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
10880 / 10800	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
11180 / 11052	DEF AT - - - - -	DEF AT 4
11390 / 11225	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
11490 / 11304	DEF AT - - - - -	DEF IN 5
11660 / 11435	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
12090 / 11766	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
12390 / 11997	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5
13080 / 12529	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5
13320 / 12716	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 736	Date of Summary: 21-SEP-2006	First Sample Examined: 9470
Lease Number: G16645	Source of Paleo: OPERATOR	Borehole MD: 16235
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14959
API Well Number: 608174109700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - I	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 9470 - 16230	Water Depth: 6108
Public Info Code: Y 27-MAY-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
13410 / 12786	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 5
13890 / 13155	DEF AT - - - - -	DEF AT 6
13980 / 13225	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
14100 / 13317	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
14160 / 13363	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
14190 / 13386	DEF AT - - - - -	DEF AT 4
14220 / 13409	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
14969 / 13985	POS IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
14970 / 13986	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
15990 / 14770	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
16230 / 14955	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 736	Date of Summary: 14-DEC-2006	First Sample Examined: 15600
Lease Number: G16645	Source of Paleo: OPERATOR	Borehole MD: 26774
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24924
API Well Number: 608174109701	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - I	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 15600 - 26772	Water Depth: 6108
Public Info Code: Y 27-MAY-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15600 / 14471	DEF AT first sample examined	DEF AT
15990 / 14770	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
16110 / 14860	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
16200 / 14930	DEF AT - - - - -	DEF AT 5
17580 / 15993	DEF AT - - - - -	DEF AT 4
17610 / 16016	POS IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 4
17670 / 16062	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 4
18480 / 16710	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 4
18720 / 16923	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 4
18780 / 16978	DEF AT - - - - -	DEF AT 5
18870 / 17060	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
18930 / 17116	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
18960 / 17144	POS IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
19110 / 17285	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
19710 / 17872	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
19830 / 17992	DEF AT out-of-place section	DEF AT 5
19860 / 18022	DEF AT salt weld	DEF AT 5
19950 / 18111	DEF AT - - - - -	DEF AT 6
19980 / 18141	DEF AT salt weld	DEF AT 6
20190 / 18351	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
20400 / 18560	DEF AT - - - - -	DEF AT 5
24540 / 22692	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 736	Date of Summary: 14-DEC-2006	First Sample Examined: 15600
Lease Number: G16645	Source of Paleo: OPERATOR	Borehole MD: 26774
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24924
API Well Number: 608174109701	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - I	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 15600 - 26772	Water Depth: 6108
Public Info Code: Y 27-MAY-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25110 / 23262	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
26772 / 24922	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 736	Date of Summary: 14-DEC-2006	First Sample Examined: 20550
Lease Number: G16645	Source of Paleo: OPERATOR	Borehole MD: 22814
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20385
API Well Number: 608174109702	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - I	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 20550 - 22814	Water Depth: 6108
Public Info Code: Y 27-MAY-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20550 / 18710	DEF AT first sample examined	DEF AT 5
20551 / 18711	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
20552 / 18712	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
21180 / 19319	DEF AT - - - - -	DEF IN 5
21390 / 19500	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 5
21510 / 19596	DEF AT - - - - -	DEF AT 5
21690 / 19727	POS AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 5
21779 / 19786	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
21780 / 19787	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
21870 / 19842	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF AT 5
21930 / 19877	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 5
21960 / 19894	DEF AT out-of-place section	DEF AT 5
22079 / 19963	DEF AT out-of-place section	DEF AT 5
22080 / 19963	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
22230 / 20050	POS IN Lower Miocene (Aquitainian) Globigerina angulisuturalis	DEF AT 5
22290 / 20084	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
22500 / 20205	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
22740 / 20342	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
22814 / 20385	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 782	Date of Summary: 01-JUL-2006	First Sample Examined: 12985
Lease Number: G16648	Source of Paleo: OPERATOR	Borehole MD: 25594
Well Name: 001	Paleo Done By: MITCH COVINGTON	Borehole TVD: 25594
API Well Number: 608174109600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 12985 - 25510	Water Depth: 6686
Public Info Code: Y 02-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Caterpillar Deep Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12985 / 12985	DEF AT first sample examined	DEF AT
12990 / 12990	DEF AT base of salt	DEF AT
13180 / 13180	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13450 / 13450	DEF AT floral flood	DEF AT
13540 / 13540	DEF AT local marker floral decrease	DEF AT
13570 / 13570	DEF AT floral flood	DEF AT
13630 / 13630	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14030 / 14030	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
14320 / 14320	DEF AT local marker floral decrease	DEF AT
15220 / 15220	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15280 / 15280	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
15340 / 15340	DEF AT local marker floral decrease	DEF AT
15970 / 15970	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16030 / 16030	DEF AT local marker floral decrease	DEF AT
16300 / 16300	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16390 / 16390	DEF AT floral flood	DEF AT
16960 / 16960	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17050 / 17050	DEF AT local marker floral decrease	DEF AT
18400 / 18400	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18880 / 18880	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
19450 / 19450	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20290 / 20290	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 782	Date of Summary: 01-JUL-2006	First Sample Examined: 12985
Lease Number: G16648	Source of Paleo: OPERATOR	Borehole MD: 25594
Well Name: 001	Paleo Done By: MITCH COVINGTON	Borehole TVD: 25594
API Well Number: 608174109600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 12985 - 25510	Water Depth: 6686
Public Info Code: Y 02-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23140 / 23140	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23560 / 23560	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
24250 / 24250	DEF AT floral flood	DEF AT
25510 / 25510	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 782	Date of Summary: 03-FEB-2007	First Sample Examined: 25540
Lease Number: G16648	Source of Paleo: OPERATOR	Borehole MD: 27316
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 27311
API Well Number: 608174109601	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 25540 - 27316	Water Depth: 6686
Public Info Code: Y 02-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Caterpillar Deep Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25540 / 25535	DEF AT first sample examined	DEF IN 4
25541 / 25536	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
25599 / 25594	DEF AT turbid water facies	POS IN 4
25600 / 25595	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	POS IN 4
25630 / 25625	DEF AT Bathysiphon fauna	POS IN 4
25690 / 25685	DEF AT Eggerella sp. (local marker)	DEF IN 4
25750 / 25745	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
25780 / 25775	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
25960 / 25955	DEF AT - - - - -	DEF IN 4
26110 / 26105	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 4
27060 / 27055	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 6
27090 / 27085	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
27150 / 27145	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 6
27180 / 27175	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 6
27270 / 27265	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
27316 / 27311	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 782	Date of Summary: 07-FEB-2007	First Sample Examined: 23770
Lease Number: G16648	Source of Paleo: OPERATOR	Borehole MD: 27316
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27311
API Well Number: 608174109601	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 23770 - 27300	Water Depth: 6686
Public Info Code: Y 02-JUL-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Caterpillar Deep Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23770 / 23769	DEF AT first sample examined	DEF AT
24970 / 24965	DEF AT local marker floral increase	DEF AT
25270 / 25265	DEF AT local marker floral decrease	DEF AT
25600 / 25595	DEF AT local marker floral increase	DEF AT
25720 / 25715	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
25960 / 25955	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
26760 / 26755	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
26880 / 26875	DEF AT local marker floral decrease	DEF AT
26910 / 26905	DEF AT local marker floral increase	DEF AT
26970 / 26965	DEF AT local marker floral decrease	DEF AT
27030 / 27025	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
27120 / 27115	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
27150 / 27145	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
27180 / 27175	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
27210 / 27205	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
27300 / 27295	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 810	Date of Summary: 20-JAN-1997	First Sample Examined: 5770
Lease Number: G09873	Source of Paleo: OPERATOR	Borehole MD: 20293
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 19829
API Well Number: 608174053100	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 5770 - 20293	Water Depth: 3948
Public Info Code: Y 22-MAR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5770 / 5770	DEF AT first sample examined	DEF AT
7120 / 7120	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 6
7900 / 7900	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 6
8410 / 8410	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8680 / 8680	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF IN 6
9130 / 9130	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 6
9280 / 9280	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
9399 / 9399	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 6
9400 / 9400	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
10090 / 10090	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 6
10450 / 10449	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11230 / 11227	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricuniculatus	DEF AT 6
11470 / 11467	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
12370 / 12367	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF IN 5
13560 / 13557	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
15420 / 15380	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5
18090 / 17811	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5
20293 / 19828	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 859	Date of Summary: 04-FEB-2006	First Sample Examined: 9180
Lease Number: G16652	Source of Paleo: OPERATOR	Borehole MD: 12075
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12075
API Well Number: 608174108000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 9180 - 12030	Water Depth: 5665
Public Info Code: Y 17-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for detail

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9180 / 9180	DEF AT first sample examined	DEF AT
9300 / 9300	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9360 / 9360	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9480 / 9480	DEF AT local marker floral decrease	DEF AT
9719 / 9719	DEF AT floral flood	DEF AT
9720 / 9720	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
9780 / 9780	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9840 / 9840	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9900 / 9900	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9960 / 9960	DEF AT local marker floral increase	DEF AT
10260 / 10260	DEF AT local marker floral decrease	DEF AT
10440 / 10440	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
10500 / 10500	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10620 / 10620	DEF AT local marker floral decrease	DEF AT
10740 / 10740	DEF AT local marker floral increase	DEF AT
10800 / 10800	DEF AT local marker floral decrease	DEF AT
10860 / 10860	DEF AT local marker floral increase	DEF AT
11160 / 11160	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11340 / 11340	DEF AT Lower Pliocene (Zanclian) Discoaster surculus (acme)	DEF AT
11460 / 11460	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11490 / 11490	DEF AT local marker floral decrease	DEF AT
11520 / 11520	DEF AT Upper Miocene (Messinian) Discoaster decorus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 859	Date of Summary: 04-FEB-2006	First Sample Examined: 9180
Lease Number: G16652	Source of Paleo: OPERATOR	Borehole MD: 12075
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12075
API Well Number: 608174108000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 9180 - 12030	Water Depth: 5665
Public Info Code: Y 17-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11580 / 11580	DEF AT local marker floral decrease	DEF AT
11760 / 11760	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11879 / 11879	DEF AT floral flood	DEF AT
11880 / 11880	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
11940 / 11940	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
12000 / 12000	DEF AT local marker floral decrease	DEF AT
12030 / 12030	DEF AT floral flood	DEF AT
12075 / 12075	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 859	Date of Summary: 25-SEP-2006	First Sample Examined: 9180
Lease Number: G16652	Source of Paleo: OPERATOR	Borehole MD: 12075
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 12075
API Well Number: 608174108000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 9180 - 12075	Water Depth: 5665
Public Info Code: Y 17-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9180 / 9180	DEF AT first sample examined	DEF AT 5
9240 / 9240	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9270 / 9270	DEF AT foram flood	DEF AT 5
9300 / 9300	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
9450 / 9450	DEF AT local marker foram decrease	DEF AT 5
9570 / 9570	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9600 / 9600	DEF AT local marker foram decrease	DEF AT 5
9719 / 9719	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 5
9720 / 9720	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9780 / 9780	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
9839 / 9839	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
9840 / 9840	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9899 / 9899	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9900 / 9900	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10050 / 10050	DEF AT transported shelf fauna	DEF AT 5
10110 / 10110	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
10769 / 10769	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10770 / 10770	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
10890 / 10890	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
11100 / 11100	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11190 / 11190	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
11310 / 11310	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 859	Date of Summary: 25-SEP-2006	First Sample Examined: 9180
Lease Number: G16652	Source of Paleo: OPERATOR	Borehole MD: 12075
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 12075
API Well Number: 608174108000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 9180 - 12075	Water Depth: 5665
Public Info Code: Y 17-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11669 / 11669	DEF AT transported shelf fauna	DEF AT 5
11670 / 11670	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 5
11760 / 11760	DEF AT local marker benthic foram increase	DEF AT 5
11910 / 11910	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
12000 / 12000	DEF AT local marker benthic foram increase	DEF AT 5
12030 / 12030	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
12075 / 12075	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 935	Date of Summary: 03-MAR-1998	First Sample Examined: 6971
Lease Number: G07976	Source of Paleo: OPERATOR	Borehole MD: 21961
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 20216
API Well Number: 608174050300	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 6971 - 21972	Water Depth: 3859
Public Info Code: Y 08-APR-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
6971 / 6971	DEF AT first sample examined	DEF AT
7380 / 7380	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8520 / 8520	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10170 / 10169	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10380 / 10379	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10500 / 10499	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10590 / 10589	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10800 / 10799	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11190 / 11189	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11970 / 11969	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
12570 / 12569	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT
12870 / 12869	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
13890 / 13889	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
15720 / 15702	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16890 / 16739	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19140 / 18340	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT
20370 / 19194	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
21962 / 20217	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 935	Date of Summary: 25-MAR-1998	First Sample Examined: 7025
Lease Number: G07976	Source of Paleo: OPERATOR	Borehole MD: 21961
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 20216
API Well Number: 608174050300	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 7025 - 21960	Water Depth: 3859
Public Info Code: Y 08-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7025 / 7025	DEF AT first sample examined	POS AT 4
7026 / 7026	DEF AT cement	POS AT 4
7140 / 7140	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	POS AT 4
7170 / 7170	DEF AT faunal change (no faunal increase)	DEF AT 4
10050 / 10050	DEF AT cement	POS AT 4
10170 / 10169	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 4
10380 / 10379	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS AT 4
10500 / 10499	DEF AT faunal change (no faunal increase)	POS IN 4
10650 / 10649	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS IN 4
10800 / 10799	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	POS IN 4
11190 / 11189	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	POS IN 4
11970 / 11969	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	POS IN 4
12870 / 12869	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	POS IN 4
13890 / 13889	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	POS IN 4
15600 / 15586	DEF AT cement	POS IN 4
15720 / 15702	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	POS IN 4
17010 / 16837	DEF AT faunal change (no faunal increase)	DEF AT 5
19512 / 18609	DEF AT faunal change (no faunal increase)	POS IN 4
21450 / 19901	DEF AT local marker planktic foram increase	POS IN 4
21720 / 20069	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	POS IN 4
21960 / 20216	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 937	Date of Summary: 27-APR-2005	First Sample Examined: 7215
Lease Number: G16659	Source of Paleo: OPERATOR	Borehole MD: 29894
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29519
API Well Number: 608174105400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 7215 - 29894	Water Depth: 4181
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Makalu Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7215 / 7215	DEF AT first sample examined	DEF AT
7216 / 7216	DEF IN Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
7280 / 7280	DEF AT local marker floral decrease	DEF AT
20040 / 20039	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20160 / 20159	DEF AT Middle Miocene (Serravallian) Discoaster divaricatus	DEF AT
20220 / 20219	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
20280 / 20279	DEF AT local marker floral decrease	DEF AT
20460 / 20459	DEF AT local marker floral increase	DEF AT
20481 / 20480	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20483 / 20482	DEF AT local marker floral decrease	DEF AT
20676 / 20675	POS AT local marker floral increase	DEF AT
20720 / 20719	DEF AT local marker floral increase	DEF AT
20940 / 20938	DEF AT local marker floral decrease	DEF AT
21000 / 20998	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21180 / 21178	DEF AT local marker floral decrease	DEF AT
21270 / 21268	DEF AT local marker floral increase	DEF AT
21300 / 21298	DEF AT local marker floral decrease	DEF AT
21420 / 21418	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
21450 / 21448	DEF AT reworked material	DEF AT
21533 / 21531	DEF AT local marker floral decrease	DEF AT
21610 / 21608	DEF AT local marker floral increase	DEF AT
21760 / 21758	DEF AT local marker floral decrease	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 937	Date of Summary: 27-APR-2005	First Sample Examined: 7215
Lease Number: G16659	Source of Paleo: OPERATOR	Borehole MD: 29894
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29519
API Well Number: 608174105400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 7215 - 29894	Water Depth: 4181
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21790 / 21788	DEF AT local marker floral increase	DEF AT
21850 / 21848	DEF AT local marker floral decrease	DEF AT
21910 / 21907	DEF AT local marker floral increase	DEF AT
22120 / 22116	DEF AT local marker floral increase	DEF AT
22270 / 22264	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT
22330 / 22323	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
22420 / 22412	DEF AT local marker floral decrease	DEF AT
22660 / 22644	DEF AT local marker floral increase	DEF AT
22750 / 22730	DEF AT local marker floral decrease	DEF AT
22780 / 22758	DEF AT local marker floral increase	DEF AT
22810 / 22787	DEF AT local marker floral decrease	DEF AT
22990 / 22957	DEF AT local marker floral increase	DEF AT
23140 / 23100	DEF AT local marker floral decrease	DEF AT
23380 / 23329	DEF AT local marker floral increase	DEF AT
23530 / 23472	DEF AT local marker floral decrease	DEF AT
23590 / 23529	DEF AT reworked material	DEF AT
24070 / 23986	POS AT local marker floral increase	DEF AT
24130 / 24043	DEF AT local marker floral decrease	DEF AT
24340 / 24243	DEF AT local marker floral increase	DEF AT
24370 / 24271	DEF AT floral flood	DEF AT
24430 / 24328	DEF AT local marker floral decrease	DEF AT
24460 / 24357	DEF AT local marker floral increase	DEF AT
24520 / 24414	DEF AT local marker floral decrease	DEF AT
24700 / 24585	DEF AT local marker floral increase	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 937	Date of Summary: 27-APR-2005	First Sample Examined: 7215
Lease Number: G16659	Source of Paleo: OPERATOR	Borehole MD: 29894
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29519
API Well Number: 608174105400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 7215 - 29894	Water Depth: 4181
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24760 / 24643	DEF AT local marker floral decrease	DEF AT
24820 / 24700	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
25030 / 24900	DEF AT floral flood	DEF AT
25060 / 24929	DEF AT local marker floral decrease	DEF AT
25300 / 25157	DEF AT local marker floral increase	DEF AT
25420 / 25272	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
25540 / 25387	DEF AT local marker floral decrease	DEF AT
25570 / 25415	DEF AT local marker floral increase	DEF AT
26020 / 25844	DEF AT local marker floral decrease	DEF AT
26260 / 26072	DEF AT local marker floral increase	DEF AT
26320 / 26129	DEF AT local marker floral decrease	DEF AT
26380 / 26186	DEF AT local marker floral increase	DEF AT
26470 / 26271	DEF AT local marker floral decrease	DEF AT
26500 / 26300	DEF AT local marker floral increase	DEF AT
26680 / 26470	DEF AT local marker floral decrease	DEF AT
26860 / 26641	DEF AT local marker floral increase	DEF AT
27010 / 26783	DEF AT local marker floral decrease	DEF AT
27040 / 26812	DEF AT local marker floral increase	DEF AT
27510 / 27258	DEF AT local marker floral decrease	DEF AT
27600 / 27344	DEF AT local marker floral increase	DEF AT
27660 / 27402	DEF AT local marker floral decrease	DEF AT
27810 / 27545	DEF AT local marker floral increase	DEF AT
28110 / 27832	DEF AT local marker floral decrease	DEF AT
28170 / 27889	POS AT local marker floral increase	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 937	Date of Summary: 27-APR-2005	First Sample Examined: 7215
Lease Number: G16659	Source of Paleo: OPERATOR	Borehole MD: 29894
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29519
API Well Number: 608174105400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 7215 - 29894	Water Depth: 4181
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
28380 / 28089	DEF AT local marker floral decrease	DEF AT
28680 / 28374	DEF AT local marker floral increase	DEF AT
28830 / 28516	DEF AT local marker floral decrease	DEF AT
28860 / 28544	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
28980 / 28658	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
29070 / 28743	DEF AT local marker floral decrease	DEF AT
29130 / 28800	DEF AT local marker floral increase	DEF AT
29160 / 28828	DEF AT local marker floral decrease	DEF AT
29220 / 28885	DEF AT local marker floral increase	DEF AT
29310 / 28969	DEF AT local marker floral decrease	DEF AT
29460 / 29110	DEF AT local marker floral increase	DEF AT
29490 / 29139	DEF AT local marker floral decrease	DEF AT
29700 / 29336	DEF AT local marker floral increase	DEF AT
29790 / 29421	DEF AT local marker floral decrease	DEF AT
29894 / 29519	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 937	Date of Summary: 27-APR-2005	First Sample Examined: 7215
Lease Number: G16659	Source of Paleo: OPERATOR	Borehole MD: 29894
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29519
API Well Number: 608174105400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 7215 - 29894	Water Depth: 4181
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Makalu Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7215 / 7215	DEF AT first sample examined	DEF IN 4
7220 / 7220	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 4
7230 / 7230	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 4
19950 / 19949	DEF AT base of salt	POS IN 4
19979 / 19978	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
19980 / 19979	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 4
20010 / 20009	DEF AT local marker foram decrease	DEF IN 4
20130 / 20129	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
20310 / 20309	DEF AT reworked material	DEF IN 4
20340 / 20339	DEF AT Arenaceous fauna (local marker)	DEF IN 4
20482 / 20481	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 4
20483 / 20482	DEF AT Upper Miocene (Tortonian) Globorotalia siakensis	DEF IN 4
20630 / 20629	DEF AT Bathysiphon fauna	DEF IN 4
20750 / 20749	DEF AT local marker planktic foram increase	DEF AT 6
20940 / 20938	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 6
20970 / 20968	DEF AT - - - -	DEF IN 4
21060 / 21058	DEF AT - - - -	DEF AT 6
21089 / 21087	DEF AT local white Arenaceous fauna	DEF AT 6
21090 / 21088	DEF AT Bathysiphon fauna	DEF AT 6
21180 / 21178	DEF AT - - - -	DEF IN 4
21300 / 21298	DEF AT drilling material	DEF IN 4
21360 / 21358	DEF AT Arenaceous fauna (local marker)	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 937	Date of Summary: 27-APR-2005	First Sample Examined: 7215
Lease Number: G16659	Source of Paleo: OPERATOR	Borehole MD: 29894
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29519
API Well Number: 608174105400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 7215 - 29894	Water Depth: 4181
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21510 / 21508	DEF AT local marker foram decrease	DEF IN 4
21580 / 21578	DEF AT Arenaceous fauna (local marker)	DEF IN 4
21639 / 21637	DEF AT pyrite	DEF IN 4
21640 / 21638	DEF AT foram flood	DEF IN 4
21760 / 21758	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT 4
21790 / 21788	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
21820 / 21818	DEF AT local marker foram decrease	DEF AT 4
22120 / 22116	DEF AT local marker benthic foram increase	DEF IN 4
22180 / 22175	DEF AT - - - -	DEF AT 4
22210 / 22205	DEF AT local marker foram decrease	DEF AT 4
22240 / 22234	DEF AT local marker foram increase	DEF AT 4
22270 / 22264	DEF AT local marker foram decrease	DEF AT 4
22690 / 22673	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
22750 / 22730	DEF AT local marker foram decrease	DEF AT 4
22780 / 22758	DEF AT local marker benthic foram increase	DEF IN 4
22810 / 22787	DEF AT pyrite	DEF IN 4
22840 / 22815	DEF AT local marker foram decrease	DEF AT 4
22900 / 22872	DEF AT local marker benthic foram increase	DEF AT 4
23080 / 23043	DEF AT pyrite	DEF AT 4
23110 / 23071	DEF AT local marker foram increase	DEF AT 6
23170 / 23128	DEF AT local marker foram decrease	DEF IN 4
23290 / 23243	DEF AT - - - -	DEF AT 4
23350 / 23300	DEF AT Bathysiphon fauna	DEF IN 4
23380 / 23329	DEF AT local marker planktic foram increase	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 937	Date of Summary: 27-APR-2005	First Sample Examined: 7215
Lease Number: G16659	Source of Paleo: OPERATOR	Borehole MD: 29894
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29519
API Well Number: 608174105400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 7215 - 29894	Water Depth: 4181
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23410 / 23357	POS AT local marker foram decrease	DEF IN 4
23469 / 23413	DEF AT pyrite	DEF IN 4
23470 / 23414	DEF AT local marker foram increase	DEF IN 4
23560 / 23500	DEF AT Eggerella sp. (local marker)	DEF IN 4
23590 / 23529	DEF AT Arenaceous fauna (local marker)	DEF IN 4
23620 / 23557	DEF AT foram flood	DEF IN 4
23680 / 23614	DEF AT Arenaceous fauna (local marker)	DEF IN 4
23740 / 23671	DEF AT Bathysiphon fauna	DEF IN 4
23890 / 23814	DEF AT Cyclammina sp. (local marker)	DEF IN 4
23920 / 23843	DEF AT Bathysiphon fauna	DEF IN 4
23980 / 23900	DEF AT foram flood	DEF IN 4
24160 / 24072	DEF AT Bathysiphon fauna	DEF AT 4
24250 / 24157	DEF AT Bathysiphon fauna	DEF AT 4
24340 / 24243	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 4
24580 / 24471	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24610 / 24500	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
24700 / 24585	DEF AT local marker foram increase	DEF AT 6
24730 / 24614	DEF AT pyrite	DEF IN 4
24790 / 24671	DEF AT Arenaceous fauna (local marker)	DEF IN 4
24820 / 24700	DEF AT local marker foram increase	DEF AT 6
24850 / 24728	DEF AT local marker foram decrease	DEF IN 4
24970 / 24843	DEF AT - - - -	DEF AT 4
25030 / 24900	DEF AT local white Arenaceous fauna	DEF IN 4
25180 / 25043	DEF AT Eggerella sp. (local marker)	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 937	Date of Summary: 27-APR-2005	First Sample Examined: 7215
Lease Number: G16659	Source of Paleo: OPERATOR	Borehole MD: 29894
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29519
API Well Number: 608174105400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 7215 - 29894	Water Depth: 4181
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25270 / 25129	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
25330 / 25186	DEF AT local marker foram decrease	DEF IN 4
25540 / 25387	DEF AT Bathysiphon fauna	DEF IN 4
25690 / 25530	DEF AT local marker foram decrease	DEF IN 4
25720 / 25558	DEF AT - - - - -	DEF AT 4
25810 / 25644	DEF AT Arenaceous fauna (local marker)	DEF IN 4
25840 / 25673	DEF AT foram flood	DEF IN 4
25990 / 25815	DEF AT local marker foram decrease	DEF IN 4
26140 / 25958	DEF AT - - - - -	DEF AT 4
26380 / 26186	DEF AT local marker foram increase	DEF AT 4
26410 / 26214	DEF AT - - - - -	DEF IN 4
26470 / 26271	DEF AT local marker foram decrease	DEF AT 4
26650 / 26442	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26680 / 26470	DEF AT Eggerella sp. (local marker)	DEF AT 4
26740 / 26527	DEF AT local marker benthic foram increase	DEF AT 4
26860 / 26641	DEF AT - - - - -	DEF IN 4
27070 / 26840	DEF AT - - - - -	DEF AT 6
27210 / 26973	DEF AT local marker foram decrease	DEF IN 4
27330 / 27087	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
27390 / 27144	DEF AT - - - - -	DEF AT 4
27420 / 27173	DEF AT local marker foram decrease	DEF IN 4
27570 / 27316	DEF AT local marker planktic foram increase	DEF AT 6
27630 / 27373	DEF AT Bathysiphon fauna	DEF IN 4
27780 / 27517	DEF AT local marker foram decrease	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 937	Date of Summary: 27-APR-2005	First Sample Examined: 7215
Lease Number: G16659	Source of Paleo: OPERATOR	Borehole MD: 29894
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29519
API Well Number: 608174105400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 7215 - 29894	Water Depth: 4181
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27900 / 27631	DEF AT local marker planktic foram increase	DEF AT 6
27960 / 27689	DEF AT - - - - -	DEF IN 4
27990 / 27717	DEF AT - - - - -	DEF AT 4
28290 / 28003	DEF AT - - - - -	DEF AT 4
28350 / 28061	DEF AT reworked material	DEF IN 4
28620 / 28317	DEF AT local marker foram decrease	DEF AT 4
28680 / 28374	DEF AT local marker planktic foram increase	DEF IN 4
28770 / 28459	DEF AT local marker foram increase	DEF AT 6
28950 / 28630	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 6
28980 / 28658	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
29040 / 28715	DEF AT foram flood	DEF AT 6
29130 / 28800	DEF AT local marker foram decrease	DEF IN 4
29220 / 28885	DEF AT local marker foram increase	DEF AT 6
29310 / 28969	DEF AT local marker foram decrease	DEF IN 4
29460 / 29110	DEF AT local marker foram increase	DEF AT 6
29520 / 29167	DEF AT local marker foram decrease	DEF AT 4
29580 / 29223	DEF AT local marker foram increase	DEF IN 4
29640 / 29280	DEF AT local marker foram decrease	DEF AT 4
29670 / 29308	DEF AT local marker foram increase	DEF AT 6
29760 / 29393	DEF AT local marker foram decrease	DEF IN 4
29850 / 29478	DEF AT local marker foram increase	DEF IN 4
29894 / 29519	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 988	Date of Summary: 03-JUL-2000	First Sample Examined: 6670
Lease Number: G15528	Source of Paleo: OPERATOR	Borehole MD: 14136
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14125
API Well Number: 608174088100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6670 - 21536	Water Depth: 4385
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 8170=Globorotalia nepenthes increase

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6670 / 6670	DEF AT first sample examined	POS AT 4
6671 / 6671	DEF AT cement	POS AT 4
6790 / 6790	DEF AT local marker foram increase	DEF AT 4
6970 / 6970	DEF AT faunal change (no faunal increase)	DEF IN 4
7000 / 7000	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
7030 / 7030	DEF AT faunal change (no faunal increase)	DEF AT 4
7060 / 7060	DEF AT local marker foram increase	DEF IN 4
7300 / 7300	DEF AT local marker foram increase	DEF IN 4
7510 / 7510	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
7660 / 7660	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
7690 / 7690	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
7720 / 7720	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
7810 / 7810	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
7840 / 7840	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 4
7900 / 7900	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
8050 / 8050	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
8170 / 8170	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 4
8320 / 8320	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 4
8500 / 8500	DEF AT local marker planktic foram increase	DEF IN 4
8620 / 8620	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 4
8650 / 8650	DEF AT local marker foram increase	DEF IN 4
8980 / 8980	DEF AT sample gap top	POS IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 988	Date of Summary: 03-JUL-2000	First Sample Examined: 6670
Lease Number: G15528	Source of Paleo: OPERATOR	Borehole MD: 14136
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14125
API Well Number: 608174088100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6670 - 21536	Water Depth: 4385
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16400 /	DEF AT sample gap bottom	POS IN 4
16410 /	DEF AT Middle Eocene	POS IN 4
16490 /	DEF AT local marker foram increase	DEF IN 4
16880 /	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF IN 4
16910 /	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 4
16970 /	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF IN 4
17060 /	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 4
17210 /	DEF AT pyrite	DEF IN 4
17450 /	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 4
18200 /	POS AT pyrite	DEF IN 4
18290 /	DEF AT limestone	DEF IN 4
18680 /	DEF AT transported shelf fauna	POS IN 4
18710 /	DEF AT local marker planktic foram increase	POS IN 4
18740 /	DEF AT faunal change (no faunal increase)	DEF IN 4
19039 /	DEF AT limestone	DEF IN 4
19040 /	DEF AT local marker foram increase	DEF IN 4
19280 /	DEF AT turbid water facies	POS IN 4
19340 /	DEF AT faunal change (no faunal increase)	DEF IN 4
19430 /	DEF AT turbid water facies	POS IN 4
19460 /	DEF AT Arenaceous fauna (local marker)	POS IN 4
19490 /	DEF AT faunal change (no faunal increase)	DEF IN 4
19500 /	DEF AT sample gap top	POS IN 4
19619 /	DEF AT sample gap bottom	POS IN 4
19620 /	DEF AT turbid water facies	POS IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 988	Date of Summary: 03-JUL-2000	First Sample Examined: 6670
Lease Number: G15528	Source of Paleo: OPERATOR	Borehole MD: 14136
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 14125
API Well Number: 608174088100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6670 - 21536	Water Depth: 4385
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
19650 /	DEF AT sand	DEF IN 4
19890 /	POS AT local marker foram increase	DEF IN 4
20220 /	DEF AT transported shelf fauna	POS IN 4
20460 /	DEF AT turbid water facies	POS IN 4
20490 /	DEF AT Arenaceous fauna (local marker)	POS IN 4
20549 /	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 4
20550 /	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 4
20580 /	DEF AT turbid water facies	POS IN 4
20730 /	POS AT Arenaceous fauna (local marker)	POS IN 4
21090 /	DEF AT faunal change (no faunal increase)	DEF IN 4
21120 /	DEF AT local marker foram increase	DEF IN 4
21300 /	DEF AT faunal change (no faunal increase)	POS IN 4
21536 /	DEF AT last sample examined	POS IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 988	Date of Summary: 01-SEP-2001	First Sample Examined: 7670
Lease Number: G15528	Source of Paleo: OPERATOR	Borehole MD: 14136
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14125
API Well Number: 608174088100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6670 - 21536	Water Depth: 4385
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, paleo done by Theresa M Dunn, mixed assemblages found from 8410 to 8980, and from 16420 to 16640, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6670 / 6670	DEF AT first sample examined	DEF AT
7030 / 7030	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
7210 / 7210	DEF AT reworked material	DEF AT
7510 / 7510	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7540 / 7540	DEF AT reworked material	DEF AT
7554 / 7554	DEF AT reworked material	DEF AT
7660 / 7660	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7690 / 7690	DEF IN Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
7750 / 7750	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7780 / 7780	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
7840 / 7840	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
7900 / 7900	POS IN Lower Pliocene (Zanclian) Discoaster challengerii	DEF AT
7930 / 7930	DEF IN Lower Pliocene (Zanclian) Discoaster challengerii	DEF AT
8020 / 8020	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
8050 / 8050	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
8260 / 8260	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
8290 / 8290	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
8320 / 8320	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
8350 / 8350	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
8410 / 8410	DEF AT out-of-place section	DEF AT
8500 / 8500	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 988	Date of Summary: 01-SEP-2001	First Sample Examined: 7670
Lease Number: G15528	Source of Paleo: OPERATOR	Borehole MD: 14136
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14125
API Well Number: 608174088100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6670 - 21536	Water Depth: 4385
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8560 / 8560	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
8950 / 8950	DEF AT sample gap top	DEF AT
8980 / 8980	DEF AT salt	DEF AT
16369 /	DEF AT base of salt	DEF AT
16370 /	DEF AT reworked material	DEF AT
16400 /	DEF AT reworked material	DEF AT
16420 /	DEF AT out-of-place section	DEF AT
16500 /	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
16640 /	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17200 /	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
17930 /	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
18230 /	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
18560 /	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
18950 /	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20820 /	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21536 /	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 1002	Date of Summary: 20-JUN-2000	First Sample Examined: 10400
Lease Number: G16670	Source of Paleo: OPERATOR	Borehole MD: 21778
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21764
API Well Number: 608174085700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 80
Paleo Report Num: 1 of 3	Sample Range: 10400 - 21720	Water Depth: 7416
Public Info Code: Y 14-JUL-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 20790=mixed Miocene, Oligocene and Eocene flora, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10400 / 10400	DEF AT first sample examined	DEF AT
10401 / 10401	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10430 / 10430	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10460 / 10460	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
10520 / 10520	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10550 / 10550	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
10551 / 10551	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10610 / 10610	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
10611 / 10611	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
10640 / 10640	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
10670 / 10670	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
10671 / 10671	POS AT Upper Eocene (Priabonian) Micrantholithus altus	DEF AT
10700 / 10700	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
10715 / 10715	DEF AT salt	DEF AT
13759 / 13756	DEF AT base of salt	DEF AT
13760 / 13757	POS IN Eocene	DEF AT
13970 / 13966	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13971 / 13967	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14629 / 14623	DEF AT reworked material	DEF AT
14630 / 14624	POS AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
15470 / 15462	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 1002	Date of Summary: 20-JUN-2000	First Sample Examined: 10400
Lease Number: G16670	Source of Paleo: OPERATOR	Borehole MD: 21778
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21764
API Well Number: 608174085700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 80
Paleo Report Num: 1 of 3	Sample Range: 10400 - 21720	Water Depth: 7416
Public Info Code: Y 14-JUL-2005	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
15900 / 15891	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16470 / 16461	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16770 / 16761	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17550 / 17539	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17700 / 17689	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18000 / 17989	POS AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
18600 / 18588	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
18690 / 18678	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19500 / 19488	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
20070 / 20058	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20610 / 20598	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
20611 / 20599	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
20790 / 20778	POS AT gouge	DEF AT
21719 / 21706	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
21720 / 21707	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 1002	Date of Summary: 20-JUN-2000	First Sample Examined: 10400
Lease Number: G16670	Source of Paleo: OPERATOR	Borehole MD: 21778
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21764
API Well Number: 608174085700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 80
Paleo Report Num: 2 of 3	Sample Range: 10400 - 21778	Water Depth: 7416
Public Info Code: Y 14-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 003

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10400 / 10400	DEF AT first sample examined	DEF IN 4
10401 / 10401	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
10430 / 10430	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
10490 / 10490	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
10550 / 10550	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 4
10580 / 10580	POS AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 4
10620 / 10620	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
10650 / 10650	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
10680 / 10680	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
10710 / 10710	DEF AT Upper (Late) Eocene	DEF IN 4
10715 / 10715	DEF AT salt	DEF IN 4
13760 / 13757	DEF AT - - - - -	DEF IN 5
13779 / 13776	DEF AT foram flood	DEF IN 4
13780 / 13777	DEF AT Eocene	DEF IN 4
13850 / 13847	DEF AT local marker foram decrease	DEF IN 4
13940 / 13937	DEF AT - - - - -	DEF AT 4
14030 / 14026	POS AT reworked material	DEF AT 4
14120 / 14116	DEF AT sand	DEF AT 4
14330 / 14325	POS IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 4
14480 / 14475	DEF AT - - - - -	DEF AT 4
14870 / 14863	DEF AT - - - - -	DEF IN 3
15170 / 15163	DEF AT local marker foram increase	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 1002	Date of Summary: 20-JUN-2000	First Sample Examined: 10400
Lease Number: G16670	Source of Paleo: OPERATOR	Borehole MD: 21778
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21764
API Well Number: 608174085700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 80
Paleo Report Num: 2 of 3	Sample Range: 10400 - 21778	Water Depth: 7416
Public Info Code: Y 14-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15260 / 15253	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
15500 / 15492	DEF AT - - - - -	DEF AT 4
15630 / 15622	DEF AT - - - - -	DEF IN 4
15870 / 15861	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 4
16140 / 16131	POS AT Upper Miocene (Messinian) Textularia "X"	DEF IN 4
16290 / 16281	DEF AT - - - - -	DEF AT 4
16380 / 16371	DEF AT - - - - -	DEF IN 4
16560 / 16551	DEF AT - - - - -	DEF AT 4
16680 / 16671	POS IN Upper Miocene (Messinian) Textularia "X"	DEF AT 4
16800 / 16791	DEF AT local marker foram increase	DEF IN 4
16860 / 16851	DEF AT - - - - -	DEF AT 4
17160 / 17150	DEF AT local white Arenaceous fauna	DEF AT 4
17190 / 17180	DEF AT local marker foram increase	DEF IN 4
17790 / 17779	DEF AT - - - - -	DEF AT 4
18000 / 17989	DEF AT local marker foram decrease	DEF IN 3
18030 / 18018	DEF AT Arenaceous fauna (local marker)	DEF IN 3
18360 / 18348	DEF AT - - - - -	DEF AT 4
18570 / 18558	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
18840 / 18828	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
19050 / 19038	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
19260 / 19248	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
19949 / 19937	DEF AT reworked material	DEF AT 4
19950 / 19938	POS AT Eocene	DEF AT 4
20070 / 20058	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 1002	Date of Summary: 20-JUN-2000	First Sample Examined: 10400
Lease Number: G16670	Source of Paleo: OPERATOR	Borehole MD: 21778
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21764
API Well Number: 608174085700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 80
Paleo Report Num: 2 of 3	Sample Range: 10400 - 21778	Water Depth: 7416
Public Info Code: Y 14-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20280 / 20268	DEF AT - - - - -	DEF IN 4
20550 / 20538	POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF IN 4
20820 / 20808	DEF AT sand	DEF IN 4
20939 / 20927	DEF AT reworked material	DEF IN 4
20940 / 20928	DEF AT Eocene	DEF IN 4
21270 / 21258	POS IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
21540 / 21528	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 4
21570 / 21558	DEF AT local marker foram increase	DEF IN 4
21710 / 21697	DEF AT local marker foram decrease	DEF IN 4
21720 / 21707	POS IN Oligocene	DEF IN 4
21735 / 21722	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 4
21750 / 21737	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 4
21778 / 21765	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 1002	Date of Summary: 31-JUL-2000	First Sample Examined: 10400
Lease Number: G16670	Source of Paleo: OPERATOR	Borehole MD: 21778
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21764
API Well Number: 608174085700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 80
Paleo Report Num: 3 of 3	Sample Range: 10400 - 21778	Water Depth: 7416
Public Info Code: Y 14-JUL-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, 20740=mix pf Miocene/Oligocene/Eocene nannos, nannospecies abundance and diversity chart available see report for details

MD / TVD	Paleo Top Description	Ecozone
10400 / 10400	DEF AT first sample examined	DEF AT
10401 / 10401	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10430 / 10430	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10460 / 10460	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
10520 / 10520	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10550 / 10550	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10551 / 10551	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
10610 / 10610	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
10611 / 10611	DEF IN Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
10640 / 10640	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
10641 / 10641	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
10670 / 10670	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
10700 / 10700	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
10715 / 10715	DEF AT salt	DEF AT
13767 / 13764	DEF AT base of salt	DEF AT
13970 / 13966	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13971 / 13967	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15290 / 15282	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
15470 / 15462	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15900 / 15891	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16470 / 16461	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MC 1002	Date of Summary: 31-JUL-2000	First Sample Examined: 10400
Lease Number: G16670	Source of Paleo: OPERATOR	Borehole MD: 21778
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21764
API Well Number: 608174085700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 80
Paleo Report Num: 3 of 3	Sample Range: 10400 - 21778	Water Depth: 7416
Public Info Code: Y 14-JUL-2005	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16770 / 16761	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17550 / 17539	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17700 / 17689	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18600 / 18588	DEF IN Upper Miocene (Tortonian) Discoaster praebollii	DEF AT
18690 / 18678	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19500 / 19488	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
20069 / 20057	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT
20070 / 20058	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20310 / 20298	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
20550 / 20538	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
20610 / 20598	DEF IN Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
20611 / 20599	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
20740 / 20728	POS AT gouge	DEF AT
21540 / 21528	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
21720 / 21707	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
21778 / 21765	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MI 586	Date of Summary: 14-FEB-1996	First Sample Examined: 5292
Lease Number: G14791	Source of Paleo: OPERATOR	Borehole MD: 11316
Well Name: 001	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 7500
API Well Number: 427034049000	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 5292 - 11340	Water Depth: 85
Public Info Code: Y 16-AUG-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
5292 / 3921	DEF AT first sample examined	DEF AT
6030 / 4356	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6299 / 4517	POS AT unconformity	DEF AT
6300 / 4517	DEF AT local marker planktic foram increase	DEF AT
7920 / 5472	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10350 / 6921	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
11340 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MI 618	Date of Summary: 07-FEB-1996	First Sample Examined: 0
Lease Number: G07201	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8230
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 7984
API Well Number: 427034049600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 122
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 93
Public Info Code: Y 10-JAN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5750 / 5736	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6790 / 6672	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MI 622	Date of Summary: 13-AUG-1996	First Sample Examined: 0
Lease Number: G05000	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16176
Well Name: D001	Paleo Done By: OPERATOR	Borehole TVD: 15597
API Well Number: 427034048400	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 86
Public Info Code: Y 21-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12955 / 12950	DEF IN Lower Miocene (Aquitanian) Siphonina davisii	DEF AT
16080 / 15537	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MI 622	Date of Summary: 09-OCT-1997	First Sample Examined: 0
Lease Number: G05000	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13535
Well Name: D002	Paleo Done By: OPERATOR	Borehole TVD: 12994
API Well Number: 427034050200	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 86
Public Info Code: Y 10-MAY-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11070 / 10889	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MI 633	Date of Summary: 21-FEB-1997	First Sample Examined: 0
Lease Number: G06042	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8193
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 5693
API Well Number: 427034050600	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 72
Public Info Code: Y 19-FEB-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6388 / 5693	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MI 633	Date of Summary: 02-JUL-1997	First Sample Examined: 0
Lease Number: G06042	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8970
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 5694
API Well Number: 427034051000	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 133
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 72
Public Info Code: Y 23-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6850 / 5686	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MI 635	Date of Summary: 21-OCT-1997	First Sample Examined: 0
Lease Number: G03088	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14078
Well Name: F002	Paleo Done By: OPERATOR	Borehole TVD: 13486
API Well Number: 427034051100	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 89
Public Info Code: Y 12-OCT-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13620 / 13028	DEF IN Lower Miocene (Aquitanian) Siphonina davis	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MI 635	Date of Summary: 11-SEP-1995	First Sample Examined: 0
Lease Number: G06043	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15655
Well Name: F001	Paleo Done By: OPERATOR	Borehole TVD: 15608
API Well Number: 427034048800	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 85
Public Info Code: Y 16-AUG-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13175 / 13158	DEF IN Lower Miocene (Aquitanian) Siphonina davisii	DEF AT
15250 / 15218	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MI 672	Date of Summary: 16-DEC-1999	First Sample Examined: 0
Lease Number: G10198	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9549
Well Name: B006	Paleo Done By: OPERATOR	Borehole TVD: 7261
API Well Number: 427034052500	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 135
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 125
Public Info Code: Y 14-NOV-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8054 / 7186	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MI 710	Date of Summary: 17-JUL-2001	First Sample Examined: 0
Lease Number: G22185	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10893
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10430
API Well Number: 427034053300	Drilling Operator: CALLON PETROLEUM OPERATING COMPANY	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 147
Public Info Code: Y 30-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9450 / 9330	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MO 819	Date of Summary: 20-JAN-1997	First Sample Examined: 0
Lease Number: G10920	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 21985
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21985
API Well Number: 608154010100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 55
Public Info Code: Y 14-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: 17930=base of the Knowles Limestone

MD / TVD	Paleo Top Description	Ecozone
3790 /	DEF AT limestone	DEF AT
6720 /	DEF AT Upper (Late) Cretaceous	DEF AT
9110 /	DEF AT Lower (Early) Cretaceous	DEF AT
12095 /	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
17930 /	DEF AT local marker (general)	DEF AT
21774 /	DEF IN Jurassic Norphlet Formation	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MO 869	Date of Summary: 03-FEB-1997	First Sample Examined: 0
Lease Number: G06848	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 22090
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 21818
API Well Number: 608154009900	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 125
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 45
Public Info Code: Y 11-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19888 / 19686	DEF IN Jurassic Haynesville Formation	DEF AT 0
21794 / 21522	DEF IN Jurassic Norphlet Formation	DEF AT 0

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MO 904	Date of Summary: 19-DEC-1996	First Sample Examined: 0
Lease Number: G05749	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 22457
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 22110
API Well Number: 608154009800	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 18-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17590 / 17455	DEF AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage	DEF AT 0
20980 / 20691	DEF AT Jurassic Haynesville Formation	DEF AT 0
21302 / 20998	DEF AT Jurassic Smackover Formation	DEF AT 0
22436 / 22090	DEF IN Jurassic Norphlet Formation	DEF AT 0

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MO 961	Date of Summary: 23-AUG-1996	First Sample Examined: 0
Lease Number: G05761	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 22889
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 22885
API Well Number: 608154008600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 66
Public Info Code: Y 02-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6030 / 6029	DEF AT Upper Cretaceous Selma Chalk (or Group)	DEF AT
13361 / 13360	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
20619 / 20616	DEF AT Jurassic Haynesville Formation	DEF AT
21170 / 21167	DEF AT Jurassic Smackover Formation	DEF AT
22381 / 22377	DEF IN Jurassic Norphlet Formation	DEF AT
22925 /	DEF AT Jurassic Louann Salt	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MO 991	Date of Summary: 09-OCT-1996	First Sample Examined: 0
Lease Number: G15403	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15398
API Well Number: 608154010000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 0 - 0	Water Depth: 82
Public Info Code: Y 18-SEP-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4904 / 4903	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT
7936 / 7935	DEF AT Upper (Late) Cretaceous	DEF AT
10074 / 10073	DEF AT Lower (Early) Cretaceous	DEF AT
15040 / 15038	DEF AT Lower Cretaceous James Formation	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MO 991	Date of Summary: 17-FEB-2001	First Sample Examined: 14400
Lease Number: G15403	Source of Paleo: OPERATOR	Borehole MD: 15400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15398
API Well Number: 608154010000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 14400 - 15400	Water Depth: 82
Public Info Code: Y 18-SEP-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 15300=in Nannoconus bucheri, 15360=Nannoconus increase

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14400 / 14398	DEF AT first sample examined	DEF AT
15300 / 15298	POS IN Lower Cretaceous Aptian Stage	DEF AT
15360 / 15358	POS AT Lower Cretaceous (Barremian) Nannoconus colomii	DEF AT
15400 / 15398	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 37	Date of Summary: 26-AUG-1996	First Sample Examined: 9960
Lease Number: G01295	Source of Paleo: OPERATOR	Borehole MD: 12600
Well Name: 010	Paleo Done By: OPERATOR	Borehole TVD: 9690
API Well Number: 177254061700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 9000 - 12600	Water Depth: 50
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
9000 / 7481	DEF AT first sample examined	DEF AT
9030 / 7498	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
9960 / 8059	DEF AT - - - - -	DEF AT 2
10500 / 8391	DEF AT - - - - -	DEF AT 3
10700 / 8512	DEF AT - - - - -	DEF AT 4
10980 / 8679	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
11760 / 9156	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
12600 /	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 72	Date of Summary: 07-FEB-1995	First Sample Examined: 0
Lease Number: G03417	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7820
Well Name: C011	Paleo Done By: OPERATOR	Borehole TVD: 7240
API Well Number: 177254024201	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 122
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 08-FEB-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5380 / 5311	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
6460 / 6146	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7240 / 6741	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 72	Date of Summary: 20-APR-1995	First Sample Examined: 0
Lease Number: G03417	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8914
Well Name: C011	Paleo Done By: OPERATOR	Borehole TVD: 8268
API Well Number: 177254024202	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 20-FEB-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5280 / 5229	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
6460 / 6140	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7240 / 6743	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 72	Date of Summary: 11-JAN-1996	First Sample Examined: 0
Lease Number: G03417	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8963
Well Name: C022	Paleo Done By: OPERATOR	Borehole TVD: 8719
API Well Number: 177254059300	Drilling Operator: MOBIL EXPLORATION AND PRODUCIN	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 137
Public Info Code: Y 25-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5090 / 4947	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
5660 / 5512	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
5990 / 5842	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6732 / 6584	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
7232 / 7083	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 73	Date of Summary: 22-JAN-1997	First Sample Examined: 0
Lease Number: G02947	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14545
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 9138
API Well Number: 177254015601	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 27-JAN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11680 / 8486	POS AT Cyclammina sp. (local marker)	DEF AT
13420 / 8942	DEF AT Arenaceous fauna (local marker)	DEF AT
13450 / 8946	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
13680 / 8979	DEF AT local marker (general)	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 73	Date of Summary: 06-SEP-1996	First Sample Examined: 0
Lease Number: G02947	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11590
Well Name: A017	Paleo Done By: OPERATOR	Borehole TVD: 7457
API Well Number: 177254024502	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 09-SEP-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8260 / 5815	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
8380 / 5899	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9490 / 6664	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 91	Date of Summary: 11-JUN-1996	First Sample Examined: 0
Lease Number: G14576	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7605
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 7605
API Well Number: 177254060600	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 37
Public Info Code: Y 29-DEC-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4436 /	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
4881 /	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 91	Date of Summary: 05-NOV-1996	First Sample Examined: 0
Lease Number: G14576	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9221
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 8736
API Well Number: 177254062200	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 35
Public Info Code: Y 03-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4823 / 4449	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
5328 / 4896	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
8586 / 8100	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 91	Date of Summary: 30-DEC-1997	First Sample Examined: 0
Lease Number: G14576	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9472
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 8762
API Well Number: 177254065000	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 35
Public Info Code: Y 07-DEC-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3235 / 3235	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT
4478 / 4474	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
4924 / 4898	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
8817 / 8118	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 91	Date of Summary: 18-MAR-1996	First Sample Examined: 0
Lease Number: G14576	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7406
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 7319
API Well Number: 177254060800	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 38
Public Info Code: Y 17-JAN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4509 / 4426	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
4974 / 4887	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 92	Date of Summary: 12-NOV-1997	First Sample Examined: 0
Lease Number: G01500	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8100
Well Name: 012	Paleo Done By: OPERATOR	Borehole TVD: 8100
API Well Number: 177254062400	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 30-JUL-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 /	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
11230 /	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 93	Date of Summary: 01-NOV-1999	First Sample Examined: 0
Lease Number: G19855	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5720
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 5720
API Well Number: 177254067200	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 17-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4440 / 4440	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 104	Date of Summary: 12-MAY-1998	First Sample Examined: 0
Lease Number: G13960	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9000
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 6821
API Well Number: 177254063800	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 17-SEP-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3160 / 2645	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
4798 / 3395	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
6886 / 4719	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7282 / 5104	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 104	Date of Summary: 18-MAY-2001	First Sample Examined: 0
Lease Number: G19857	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10248
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 6430
API Well Number: 177254063801	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 118
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 24-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5960 / 4012	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10097 / 6328	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 120	Date of Summary: 26-AUG-1996	First Sample Examined: 2910
Lease Number: G03197	Source of Paleo: OPERATOR	Borehole MD: 14210
Well Name: CE001	Paleo Done By: OPERATOR	Borehole TVD: 14210
API Well Number: 177254061100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 2910 - 14212	Water Depth: 110
Public Info Code: Y 30-MAY-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2910 / 2910	DEF AT first sample examined	DEF AT 2
3030 / 3030	DEF AT -----	DEF AT 1
3510 / 3510	DEF AT -----	DEF AT 2
4110 / 4110	DEF AT -----	DEF AT 1
4350 / 4350	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 1
4950 / 4950	DEF AT -----	DEF AT 3
5190 / 5190	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
5340 / 5340	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT 3
5820 / 5820	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 3
5910 / 5910	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
6300 / 6299	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT 3
6810 / 6809	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 3
7020 / 7019	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
8490 / 8489	DEF AT -----	DEF AT 0
8610 / 8609	DEF AT -----	DEF AT 1
9750 / 9748	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 1
9780 / 9778	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 0
10020 / 10018	DEF AT -----	DEF AT 2
10650 / 10647	DEF AT -----	DEF AT 5
10680 / 10677	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
10980 / 10977	DEF AT -----	DEF AT 4
11340 / 11337	DEF AT -----	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 120	Date of Summary: 26-AUG-1996	First Sample Examined: 2910
Lease Number: G03197	Source of Paleo: OPERATOR	Borehole MD: 14210
Well Name: CE001	Paleo Done By: OPERATOR	Borehole TVD: 14210
API Well Number: 177254061100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 2910 - 14212	Water Depth: 110
Public Info Code: Y 30-MAY-2006	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
11430 / 11427	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
11520 / 11517	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
12510 / 12506	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
12690 / 12686	DEF AT - - - - -	DEF AT 4
12780 / 12776	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
14010 / 14005	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 4
14212 /	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 139	Date of Summary: 26-SEP-2000	First Sample Examined: 0
Lease Number: G13653	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11515
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 6630
API Well Number: 177254061000	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 113
Public Info Code: Y 29-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
1830 / 1830	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
2010 / 2010	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
2630 / 2630	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
4290 / 4238	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
4860 / 4628	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6260 / 5112	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11230 / 6534	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 140	Date of Summary: 19-JUN-1997	First Sample Examined: 0
Lease Number: G02193	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7520
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 6697
API Well Number: 177254007902	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 115
Paleo Report Num: 1 of 2	Sample Range: 0 - 0	Water Depth: 170
Public Info Code: Y 03-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6439 / 5638	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 140	Date of Summary: 19-JUN-1997	First Sample Examined: 0
Lease Number: G02193	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7520
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 6697
API Well Number: 177254007902	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 115
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth: 170
Public Info Code: Y 03-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7176 / 6369	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 144	Date of Summary: 24-AUG-1995	First Sample Examined: 4980
Lease Number: G01634	Source of Paleo: OPERATOR	Borehole MD: 10300
Well Name: BA007	Paleo Done By: OPERATOR	Borehole TVD: 8308
API Well Number: 177254058400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 4980 - 10300	Water Depth: 200
Public Info Code: Y 26-FEB-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
4980 / 4325	DEF AT first sample examined	POS AT 1
4981 / 4326	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	POS AT 1
5010 / 4347	DEF AT - - - - -	DEF AT 1
5100 / 4415	DEF IN Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT 1
5340 / 4596	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 1
5370 / 4618	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 1
6660 / 5606	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 1
7200 / 6022	DEF AT - - - - -	DEF AT 2
7620 / 6345	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 2
8370 / 6915	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
10300 / 8304	DEF AT last sample examined	DEF AT 2

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 178	Date of Summary: 03-MAR-1998	First Sample Examined: 0
Lease Number: G18105	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9635
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9311
API Well Number: 177244080900	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 151
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5040 / 5040	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
5100 / 5100	DEF AT local marker (general)	DEF AT
5130 / 5130	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
5940 / 5940	DEF AT local marker (general)	DEF AT
6750 / 6749	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 178	Date of Summary: 01-SEP-1999	First Sample Examined: 7600
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 10655
Well Name: 003	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 8750
API Well Number: 177244084500	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 7600 - 10655	Water Depth: 151
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7600 / 6403	DEF AT first sample examined	POS AT 3
7601 / 6404	POS IN Upper Miocene (Tortonian) Textularia "L"	POS AT 3
7720 / 6494	POS AT Upper Miocene (Tortonian) Cibicides carstensi	POS AT 3
7840 / 6586	DEF AT - - - - -	DEF IN 2
7960 / 6677	DEF AT Eggerella sp. (local marker)	DEF AT 3
8320 / 6950	DEF AT sand	DEF AT 3
8440 / 7040	DEF AT - - - - -	DEF IN 3
8530 / 7108	DEF AT Eggerella sp. (local marker)	POS AT 4
8710 / 7246	DEF AT - - - - -	DEF IN 3
8770 / 7292	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
8830 / 7339	DEF AT sand	DEF IN 3
8950 / 7430	DEF AT sand	DEF IN 3
9010 / 7476	POS AT local marker (general)	DEF IN 3
9070 / 7521	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
9160 / 7590	DEF AT cement	DEF AT 4
9250 / 7658	DEF AT Eggerella sp. (local marker)	DEF AT 4
9370 / 7749	DEF AT sand	DEF AT 4
9490 / 7839	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9670 / 7976	DEF AT pyrite	DEF AT 4
9730 / 8023	DEF AT Eggerella 3 (local marker)	DEF AT 4
9820 / 8093	DEF AT Eggerella 3 (local marker)	DEF AT 4
9880 / 8140	DEF AT sand	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 178	Date of Summary: 01-SEP-1999	First Sample Examined: 7600
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 10655
Well Name: 003	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 8750
API Well Number: 177244084500	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 7600 - 10655	Water Depth: 151
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9940 / 8187	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10000 / 8234	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10059 / 8280	DEF AT pyrite	DEF AT 4
10060 / 8281	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10090 / 8304	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
10450 / 8587	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
10510 / 8635	DEF AT sand	DEF AT 4
10655 / 8750	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 178	Date of Summary: 01-SEP-1999	First Sample Examined: 9160
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 10655
Well Name: 003	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 8750
API Well Number: 177244084500	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 9160 - 10665	Water Depth: 151
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9160 / 7590	DEF AT first sample examined	DEF AT
9161 / 7591	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (consistent)	DEF AT
9730 / 8023	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
10030 / 8257	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
10060 / 8281	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
10061 / 8281	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
10150 / 8351	DEF AT reworked material	DEF AT
10151 / 8352	POS AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
10330 / 8493	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (increase)	DEF AT
10450 / 8587	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
10570 / 8683	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
10630 / 8730	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 178	Date of Summary: 01-APR-1998	First Sample Examined: 7710
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 12000
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11974
API Well Number: 177244081300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 7710 - 12000	Water Depth: 147
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7710 / 7709	DEF AT first sample examined	DEF AT 4
7711 / 7710	DEF AT local marker deep water fauna	DEF AT 4
7770 / 7769	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4
8010 / 8009	DEF AT faunal change (no faunal increase)	DEF AT 3
8310 / 8309	DEF AT faunal change (no faunal increase)	POS AT 3
8610 / 8609	DEF AT Eggerella 3 (local marker)	POS AT 3
8670 / 8669	DEF AT drilling material	POS AT 3
8970 / 8969	DEF AT Upper Miocene (Tortonian) Discamminoides tobleri	DEF AT 4
8971 / 8970	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
9090 / 9087	DEF AT Eggerella sp. (local marker)	DEF AT 4
9150 / 9145	DEF AT drilling material	DEF AT 4
9240 / 9232	DEF AT faunal change (no faunal increase)	POS AT 4
10230 / 10204	DEF AT faunal change (no faunal increase)	DEF AT 3
10380 / 10354	DEF AT local marker benthic foram increase	DEF AT 4
10440 / 10414	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
10470 / 10444	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 4
10650 / 10624	DEF AT local marker benthic foram increase	DEF AT 4
10710 / 10684	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10770 / 10744	DEF AT Cyclammina sp. (local marker)	DEF AT 4
10860 / 10834	DEF AT local marker benthic foram increase	DEF AT 4
10890 / 10864	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
11130 / 11104	DEF AT Arenaceous fauna (local marker)	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 178	Date of Summary: 01-APR-1998	First Sample Examined: 7710
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 12000
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11974
API Well Number: 177244081300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 7710 - 12000	Water Depth: 147
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11370 / 11344	DEF AT local marker foram increase	DEF AT 5
11400 / 11374	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
11460 / 11434	DEF AT local marker benthic foram increase	DEF AT 5
11580 / 11554	DEF AT Eggerella sp. (local marker)	DEF AT 5
11640 / 11614	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 5
11670 / 11644	DEF AT local marker benthic foram increase	DEF AT 5
11730 / 11704	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
11790 / 11764	DEF AT local marker planktic foram increase	DEF AT 5
11849 / 11823	POS AT unconformity	DEF AT 5
11850 / 11824	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
11910 / 11884	DEF AT Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 5
11940 / 11914	DEF AT local marker planktic foram increase	DEF AT 5
12000 / 11974	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 178	Date of Summary: 01-APR-1998	First Sample Examined: 7710
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 12000
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11974
API Well Number: 177244081300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 7710 - 12000	Water Depth: 147
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7710 / 7709	DEF AT first sample examined	DEF AT
7711 / 7710	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (consistent)	DEF AT
7950 / 7949	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
8970 / 8969	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
9030 / 9028	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
9450 / 9437	DEF AT reworked material	DEF AT
9930 / 9906	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (increase)	DEF AT
10290 / 10264	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
10410 / 10384	DEF AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
10470 / 10444	DEF AT reworked material	DEF AT
10529 / 10503	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
10530 / 10504	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
10650 / 10624	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
11130 / 11104	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
11310 / 11284	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
11430 / 11404	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
11790 / 11764	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
11969 / 11943	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
11970 / 11944	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
12000 / 11974	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 178	Date of Summary: 01-NOV-1999	First Sample Examined: 9760
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 10332
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 9504
API Well Number: 177244084700	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 99
Paleo Report Num: 1 of 2	Sample Range: 9760 - 14792	Water Depth: 151
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9760 / 8995	DEF AT first sample examined	POS AT 4
9761 / 8996	DEF AT cement	POS AT 4
9820 / 9048	DEF AT Upper Miocene (Tortonian) Discamminoides tobleri	DEF AT 4
9910 / 9128	DEF AT pyrite	POS AT 4
10270 / 9449	DEF AT pyrite	POS AT 4
10390 /	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
10450 /	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10540 /	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10690 /	DEF AT pyrite	DEF AT 4
10750 /	DEF AT faunal change (no faunal increase)	POS AT 4
10780 /	DEF AT pyrite	POS AT 4
11140 /	DEF AT sand	POS IN 3
11380 /	DEF AT local marker benthic foram increase	POS IN 3
11500 /	DEF AT pyrite	POS IN 3
11560 /	DEF AT pyrite	POS IN 3
11710 /	DEF AT Arenaceous fauna (local marker)	DEF IN 4
11740 /	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF IN 4
11770 /	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
11830 /	DEF AT sand	DEF AT 4
11920 /	DEF AT local marker foram increase	DEF AT 4
11980 /	DEF AT faunal change (no faunal increase)	DEF IN 4
12070 /	DEF AT faunal change (no faunal increase)	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 178	Date of Summary: 01-NOV-1999	First Sample Examined: 9760
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 10332
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 9504
API Well Number: 177244084700	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 99
Paleo Report Num: 1 of 2	Sample Range: 9760 - 14792	Water Depth: 151
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12250 /	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
12340 /	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
12370 /	DEF AT local marker planktic foram increase	DEF IN 4
12400 /	DEF AT foram flood	DEF IN 4
12430 /	DEF AT faunal change (no faunal increase)	DEF AT 4
12490 /	DEF AT local marker foram decrease	DEF AT 4
12550 /	DEF AT faunal change (no faunal increase)	DEF IN 4
12610 /	DEF AT Arenaceous fauna (local marker)	DEF IN 4
12820 /	DEF AT faunal change (no faunal increase)	DEF AT 5
12850 /	DEF AT local marker deep water fauna	DEF AT 5
12940 /	DEF AT foram flood	DEF AT 5
13000 /	DEF AT local marker foram increase	DEF AT 5
13060 /	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
13090 /	DEF AT local marker foram increase	DEF AT 5
13210 /	DEF AT foram flood	DEF AT 5
13270 /	DEF AT local marker deep water fauna	DEF AT 5
13300 /	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
13510 /	DEF AT local marker foram increase	DEF AT 5
13570 /	DEF AT Bathysiphon fauna	DEF AT 5
13660 /	DEF AT foram flood	DEF AT 5
13810 /	DEF AT local marker foram increase	DEF AT 5
13840 /	DEF AT local marker foram increase	DEF AT 5
13900 /	DEF AT local marker foram increase	DEF IN 4
13960 /	DEF AT drilling material	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 178	Date of Summary: 01-NOV-1999	First Sample Examined: 9760
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 10332
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 9504
API Well Number: 177244084700	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 99
Paleo Report Num: 1 of 2	Sample Range: 9760 - 14792	Water Depth: 151
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13990 /	DEF AT Eggerella sp. (local marker)	DEF IN 4
14020 /	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
14080 /	DEF AT Arenaceous fauna (local marker)	DEF AT 5
14110 /	DEF AT local marker foram increase	DEF AT 5
14290 /	DEF AT Arenaceous fauna (local marker)	DEF AT 5
14350 /	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
14410 /	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
14440 /	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 5
14470 /	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 5
14500 /	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 5
14530 /	DEF IN Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT 5
14590 /	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
14620 /	DEF AT pyrite	DEF AT 5
14650 /	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 5
14679 /	DEF AT foram flood	DEF IN 5
14680 /	DEF AT local marker planktic foram increase	DEF IN 5
14740 /	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	POS AT 5
14770 /	POS AT Middle Eocene (Bartonian) Orbulinoides beckmanni	POS AT 5
14791 /	DEF IN Middle Eocene Cook Mountain Formation	POS AT 5
14792 /	DEF AT last sample examined	POS AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 178	Date of Summary: 01-NOV-1999	First Sample Examined: 9760
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 10332
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 9504
API Well Number: 177244084700	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 99
Paleo Report Num: 2 of 2	Sample Range: 9760 - 14792	Water Depth: 151
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, 14740=Middle Eocene (Bartonian) Helicosphaera seminulum LAD, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9760 / 8995	DEF AT first sample examined	DEF AT
9761 / 8996	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
10060 / 9262	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
10450 /	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
11830 /	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
12400 /	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
12670 /	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
12790 /	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
13210 /	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
13270 /	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
13420 /	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
13750 /	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
14020 /	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
14230 /	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
14290 /	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
14380 /	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
14560 /	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
14590 /	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
14620 /	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
14621 /	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
14650 /	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 178	Date of Summary: 01-NOV-1999	First Sample Examined: 9760
Lease Number: G18105	Source of Paleo: OPERATOR	Borehole MD: 10332
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 9504
API Well Number: 177244084700	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 99
Paleo Report Num: 2 of 2	Sample Range: 9760 - 14792	Water Depth: 151
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14740 /	DEF AT Middle Eocene (Bartonian) Pemma balium	DEF AT
14770 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 216	Date of Summary: 03-MAR-1999	First Sample Examined: 3600
Lease Number: G13971	Source of Paleo: OPERATOR	Borehole MD: 10500
Well Name: C001	Paleo Done By: PALEO SOURCE	Borehole TVD: 10500
API Well Number: 177244082200	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 3600 - 10500	Water Depth: 164
Public Info Code: Y 27-JAN-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3600 / 3600	DEF AT first sample examined	DEF AT 3
3601 / 3601	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
3660 / 3660	POS AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 3
3840 / 3840	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
4290 / 4290	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
4529 / 4529	DEF AT unconformity	DEF AT 3
4530 / 4530	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT 3
4590 / 4590	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 3
4680 / 4680	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 3
4950 / 4950	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 3
5370 / 5369	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
5520 / 5519	DEF AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF AT 4
5970 / 5969	DEF AT unconformity	DEF AT 4
5999 / 5998	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
6000 / 5999	DEF IN Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
6180 / 6179	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
6480 / 6478	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
6540 / 6538	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
7259 / 7257	DEF AT reworked material	DEF AT 5
7260 / 7258	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
7261 / 7259	DEF AT reworked material	DEF AT 5
7530 / 7528	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 216	Date of Summary: 03-MAR-1999	First Sample Examined: 3600
Lease Number: G13971	Source of Paleo: OPERATOR	Borehole MD: 10500
Well Name: C001	Paleo Done By: PALEO SOURCE	Borehole TVD: 10500
API Well Number: 177244082200	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 3600 - 10500	Water Depth: 164
Public Info Code: Y 27-JAN-2005	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
7890 / 7888	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT 5
7920 / 7918	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 5
8159 / 8157	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
8160 / 8158	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
8490 / 8488	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
8520 / 8518	DEF AT reworked material	POS AT 5
9330 / 9328	DEF AT reworked material	POS AT 6
10290 / 10287	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
10410 / 10407	DEF AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT 6
10470 / 10467	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
10500 / 10497	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 223	Date of Summary: 10-MAR-1997	First Sample Examined: 0
Lease Number: G15387	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11723
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 10369
API Well Number: 177244075200	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 134
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 269
Public Info Code: Y 27-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7740 / 6842	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
9330 / 8191	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
9916 / 8709	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT
11129 / 9812	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 225	Date of Summary: 15-JAN-1997	First Sample Examined: 2340
Lease Number: G14581	Source of Paleo: OPERATOR	Borehole MD: 7800
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 7800
API Well Number: 177244070500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 2340 - 7800	Water Depth: 195
Public Info Code: Y 03-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2340 / 2340	DEF AT first sample examined	POS AT 3
2760 / 2760	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
2879 / 2879	POS AT unconformity	DEF AT 3
2880 / 2880	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
3509 / 3509	POS AT unconformity	DEF AT 3
3510 / 3510	DEF AT pyrite	DEF AT 3
3929 / 3929	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
3930 / 3930	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 3
4560 / 4560	POS AT unconformity	DEF IN 3
4620 / 4620	DEF AT pyrite	DEF IN 3
5010 / 5010	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 3
5249 / 5249	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
5250 / 5250	DEF AT faunal change (no faunal increase)	DEF AT 4
5789 / 5789	POS AT unconformity	DEF AT 4
5790 / 5790	DEF AT local marker foram increase	DEF AT 4
6630 / 6630	POS AT unconformity	DEF AT 4
6631 / 6631	POS AT local marker foram increase	DEF AT 4
6810 / 6810	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 4
6899 / 6899	DEF AT pyrite	DEF AT 5
6900 / 6900	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
6960 / 6960	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
7080 / 7080	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 225	Date of Summary: 15-JAN-1997	First Sample Examined: 2340
Lease Number: G14581	Source of Paleo: OPERATOR	Borehole MD: 7800
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 7800
API Well Number: 177244070500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 2340 - 7800	Water Depth: 195
Public Info Code: Y 03-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7259 / 7259	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
7260 / 7260	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
7800 / 7800	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 225	Date of Summary: 15-JAN-1997	First Sample Examined: 3560
Lease Number: G14581	Source of Paleo: OPERATOR	Borehole MD: 11000
Well Name: A001	Paleo Done By: PALEO SOURCE	Borehole TVD: 11000
API Well Number: 177244071200	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 3560 - 11000	Water Depth: 256
Public Info Code: Y 13-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3560 / 3560	DEF AT first sample examined	POS IN 3
3561 / 3561	POS IN Upper Miocene (Messinian) Discoaster berggrenii	POS IN 3
3680 / 3680	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 3
3920 / 3920	POS AT unconformity	DEF IN 3
3980 / 3980	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 3
4160 / 4160	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
4400 / 4400	POS AT unconformity	DEF AT 3
4700 / 4700	POS AT unconformity	DEF AT 3
5300 / 5300	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT 3
5360 / 5360	DEF AT unconformity	DEF AT 4
5960 / 5960	DEF AT pyrite	DEF AT 4
6890 / 6890	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
7339 / 7339	DEF AT pyrite	DEF AT 4
7340 / 7340	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
8208 / 8208	DEF AT pyrite	DEF AT 5
8209 / 8209	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
8210 / 8210	POS IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
8719 / 8718	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
8720 / 8719	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
9570 / 9569	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
9730 / 9729	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
9840 / 9839	POS IN Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 225	Date of Summary: 15-JAN-1997	First Sample Examined: 3560
Lease Number: G14581	Source of Paleo: OPERATOR	Borehole MD: 11000
Well Name: A001	Paleo Done By: PALEO SOURCE	Borehole TVD: 11000
API Well Number: 177244071200	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 3560 - 11000	Water Depth: 256
Public Info Code: Y 13-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9870 / 9869	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
9930 / 9929	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
9959 / 9958	POS AT unconformity	DEF IN 5
9960 / 9959	DEF AT glauconite	DEF IN 5
10770 / 10769	DEF AT local marker deep water fauna	DEF AT 6
10830 / 10829	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
11000 / 10999	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 225	Date of Summary: 15-JAN-1997	First Sample Examined: 3520
Lease Number: G14581	Source of Paleo: OPERATOR	Borehole MD: 11316
Well Name: A002	Paleo Done By: PALEO SOURCE	Borehole TVD: 10565
API Well Number: 177244071400	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 3520 - 11316	Water Depth: 256
Public Info Code: Y 08-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3640 / 3639	DEF AT first sample examined	POS IN 3
3641 / 3640	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	POS IN 3
3850 / 3848	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	POS IN 3
4270 / 4257	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
5790 / 5603	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
6540 / 6239	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
7470 / 7036	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF IN 4
7590 / 7139	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 4
7740 / 7268	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 4
8940 / 8314	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
9120 / 8473	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
9570 / 8878	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
9689 / 8987	POS AT unconformity	DEF AT 5
9690 / 8988	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
9899 / 9180	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 5
9900 / 9181	POS IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
10680 / 9931	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
10800 / 10050	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
10860 / 10110	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
11316 / 10565	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 225	Date of Summary: 15-JAN-1997	First Sample Examined: 3550
Lease Number: G14581	Source of Paleo: OPERATOR	Borehole MD: 10586
Well Name: D001	Paleo Done By: OPERATOR	Borehole TVD: 9789
API Well Number: 177244074500	Drilling Operator: MILLENNIUM OFFSHORE GROUP INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 3550 - 10586	Water Depth: 257
Public Info Code: Y 08-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3550 / 3550	DEF AT first sample examined	POS IN 3
3551 / 3551	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	POS IN 3
4030 / 4029	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
4090 / 4088	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 3
4900 / 4853	POS AT unconformity	DEF IN 3
5050 / 4987	DEF AT transported shelf fauna	DEF IN 3
5290 / 5197	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 3
5590 / 5459	DEF AT local marker foram increase	DEF AT 4
5800 / 5643	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
6190 / 5981	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
6600 / 6335	DEF AT unconformity	DEF AT 4
6990 / 6672	DEF AT transported shelf fauna	DEF AT 4
7140 / 6801	POS AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF IN 4
7320 / 6955	DEF IN Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 4
7410 / 7032	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF IN 4
7500 / 7108	DEF AT local marker foram increase	DEF AT 5
7650 / 7235	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
7710 / 7286	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
7770 / 7337	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
8760 / 8182	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
8910 / 8314	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
9420 / 8768	DEF AT limestone	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 225	Date of Summary: 15-JAN-1997	First Sample Examined: 3550
Lease Number: G14581	Source of Paleo: OPERATOR	Borehole MD: 10586
Well Name: D001	Paleo Done By: OPERATOR	Borehole TVD: 9789
API Well Number: 177244074500	Drilling Operator: MILLENNIUM OFFSHORE GROUP INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 3550 - 10586	Water Depth: 257
Public Info Code: Y 08-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9480 / 8822	DEF AT transported shelf fauna	DEF AT 5
9748 / 9062	POS AT unconformity	DEF AT 5
9749 / 9063	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
9750 / 9064	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
10586 / 9789	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 226	Date of Summary: 30-MAR-1999	First Sample Examined: 3550
Lease Number: G16508	Source of Paleo: OPERATOR	Borehole MD: 10000
Well Name: A001	Paleo Done By: PALEO SOURCE	Borehole TVD: 10000
API Well Number: 177244078300	Drilling Operator: NIPPON OIL EXPLORATION U S A	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 3550 - 9990	Water Depth: 172
Public Info Code: Y 15-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
3550 / 3550	DEF AT first sample examined	DEF IN 3
3551 / 3551	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
5140 / 5140	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
5800 / 5800	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
7210 / 7210	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
7750 / 7750	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
7900 / 7900	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 4
8550 / 8549	POS IN Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
8910 / 8909	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 4
9810 / 9809	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
9870 / 9869	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
9930 / 9929	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
9990 / 9989	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 226	Date of Summary: 21-MAR-1999	First Sample Examined: 4000
Lease Number: G16508	Source of Paleo: OPERATOR	Borehole MD: 11833
Well Name: A002	Paleo Done By: PALEO SOURCE	Borehole TVD: 10220
API Well Number: 177244078600	Drilling Operator: NIPPON OIL EXPLORATION U S A	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 4000 - 11834	Water Depth: 172
Public Info Code: Y 25-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4000 / 3644	DEF AT first sample examined	DEF IN 3
4001 / 3645	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
4840 / 4329	POS AT local marker foram increase	DEF IN 3
6010 / 5286	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
6790 / 5945	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
7719 / 6720	DEF AT limestone	DEF AT 5
7720 / 6720	DEF AT - - - -	DEF AT 5
7721 / 6721	DEF AT limestone	DEF AT 5
8320 / 7230	POS AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 5
9100 / 7899	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
10300 / 8932	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11050 / 9557	DEF AT gray shale	DEF AT 5
11319 / 9782	DEF AT limestone	DEF AT 6
11320 / 9783	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 6
11380 / 9834	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
11384 / 9837	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 234	Date of Summary: 15-APR-2004	First Sample Examined: 11400
Lease Number: G22807	Source of Paleo: OPERATOR	Borehole MD: 14659
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14650
API Well Number: 177244090700	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 1 of 2	Sample Range: 11400 - 14650	Water Depth: 187
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 / 11400	DEF AT first sample examined	DEF AT 6
11401 / 11401	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
12270 / 12269	DEF AT - - - - -	DEF AT 5
12780 / 12779	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
14070 / 14069	DEF AT - - - - -	DEF AT 6
14190 / 14188	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
14400 / 14398	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
14490 / 14488	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
14550 / 14548	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
14650 / 14647	DEF AT last sample examined	DEF AT 6

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 234	Date of Summary: 15-APR-2004	First Sample Examined: 11400
Lease Number: G22807	Source of Paleo: OPERATOR	Borehole MD: 14659
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14650
API Well Number: 177244090700	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 2 of 2	Sample Range: 11400 - 14650	Water Depth: 187
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
11400 / 11400	DEF AT first sample examined	DEF AT
11940 / 11939	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14205 / 14203	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14340 / 14338	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
14400 / 14398	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14490 / 14488	DEF AT local marker floral increase	DEF AT
14549 / 14547	POS IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
14550 / 14548	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
14650 / 14647	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 242	Date of Summary: 19-DEC-2001	First Sample Examined: 0
Lease Number: G18114	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12102
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 12102
API Well Number: 177244080800	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 196
Public Info Code: Y 24-FEB-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
4347 / 4347	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
5427 / 5426	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
5915 / 5914	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
7090 / 7089	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
10176 / 10175	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 242	Date of Summary: 29-AUG-2000	First Sample Examined: 0
Lease Number: G18114	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13520
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 12312
API Well Number: 177244086200	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 137
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 196
Public Info Code: Y 24-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7680 / 7480	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
8395 / 8071	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
12280 / 11273	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 250	Date of Summary: 25-APR-1997	First Sample Examined: 0
Lease Number: G15387	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12037
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 11339
API Well Number: 177244077100	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 105
Paleo Report Num: 1 of 2	Sample Range: 0 - 0	Water Depth: 317
Public Info Code: Y 19-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5590 / 5589	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
7880 / 7857	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT
9170 / 8987	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
10690 / 10241	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 250	Date of Summary: 18-JUN-1999	First Sample Examined: 0
Lease Number: G15387	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12037
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 11339
API Well Number: 177244077100	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 105
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth: 317
Public Info Code: Y 19-APR-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3387 / 3387	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
6979 / 6978	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
7406 / 7401	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
9675 / 9400	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 259	Date of Summary: 13-MAY-1997	First Sample Examined: 0
Lease Number: G07827	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13780
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 11601
API Well Number: 177244070200	Drilling Operator: SOCO OFFSHORE INC	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 392
Public Info Code: Y 27-MAR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10020 / 8407	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
11790 / 9896	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
12810 / 10773	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
12840 / 10799	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 259	Date of Summary: 11-APR-1997	First Sample Examined: 0
Lease Number: G07828	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15323
Well Name: A012	Paleo Done By: OPERATOR	Borehole TVD: 11801
API Well Number: 177244076800	Drilling Operator: SOCO OFFSHORE INC	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 392
Public Info Code: Y 28-FEB-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13310 / 10188	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
14956 / 11505	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 261	Date of Summary: 18-MAY-1996	First Sample Examined: 4030
Lease Number: G13035	Source of Paleo: OPERATOR	Borehole MD: 14088
Well Name: A001	Paleo Done By: PALEO SOURCE	Borehole TVD: 14074
API Well Number: 177244074100	Drilling Operator: SOCO OFFSHORE INC	Rkb Elevation: 102
Paleo Report Num: 1 of 2	Sample Range: 4030 - 10840	Water Depth: 287
Public Info Code: Y 27-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Original hole report

MD / TVD	Paleo Top Description	Ecozone
4030 / 4030	DEF AT first sample examined	DEF AT 3
4031 / 4031	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 3
5139 / 5139	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
5140 / 5140	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
5350 / 5350	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
5920 / 5920	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT 4
6820 / 6813	POS AT unconformity	DEF AT 4
7030 / 7022	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
7720 / 7711	DEF AT local marker foram increase	DEF AT 4
8230 / 8221	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
9040 / 9031	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
9700 / 9691	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
10720 / 10710	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 5
10840 / 10830	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 261	Date of Summary: 20-NOV-1996	First Sample Examined: 5920
Lease Number: G13035	Source of Paleo: OPERATOR	Borehole MD: 14088
Well Name: A001	Paleo Done By: PALEO SOURCE	Borehole TVD: 14074
API Well Number: 177244074100	Drilling Operator: SOCO OFFSHORE INC	Rkb Elevation: 102
Paleo Report Num: 2 of 2	Sample Range: 5720 - 14088	Water Depth: 287
Public Info Code: Y 27-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5720 / 5720	DEF AT first sample examined	POS AT 4
5960 / 5960	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT 4
6229 / 6228	POS AT unconformity	DEF AT 4
6230 / 6229	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
6890 / 6882	POS AT unconformity	DEF AT 4
6950 / 6942	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
7190 / 7181	DEF AT local marker deep water fauna	DEF AT 4
7340 / 7331	POS AT unconformity	DEF AT 4
7910 / 7901	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
8270 / 8261	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
8990 / 8981	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
9889 / 9880	POS AT unconformity	DEF IN 5
9890 / 9881	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
10490 / 10480	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
10640 / 10630	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 6
11810 / 11800	DEF AT local marker foram increase	DEF AT 6
12410 / 12400	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
13070 / 13059	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerata	DEF AT 6
13370 / 13359	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
13519 / 13508	DEF AT Middle Miocene (Langhian) Globigerinoides sicani	DEF IN 6
13520 / 13509	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 6
13790 / 13777	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF IN 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 261	Date of Summary: 20-NOV-1996	First Sample Examined: 5920
Lease Number: G13035	Source of Paleo: OPERATOR	Borehole MD: 14088
Well Name: A001	Paleo Done By: PALEO SOURCE	Borehole TVD: 14074
API Well Number: 177244074100	Drilling Operator: SOCO OFFSHORE INC	Rkb Elevation: 102
Paleo Report Num: 2 of 2	Sample Range: 5720 - 14088	Water Depth: 287
Public Info Code: Y 27-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13880 / 13867	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 6
13969 / 13956	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 6
13970 / 13957	POS AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF IN 6
14088 / 14074	DEF AT last sample examined	DEF IN 6

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 261	Date of Summary: 05-JAN-1998	First Sample Examined: 0
Lease Number: G13035	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15010
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 13598
API Well Number: 177244075000	Drilling Operator: MERIT ENERGY COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 287
Public Info Code: Y 27-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10905 / 9996	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
12476 / 11386	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 261	Date of Summary: 10-JUN-1998	First Sample Examined: 0
Lease Number: G13035	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12970
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 12006
API Well Number: 177244081900	Drilling Operator: SOCO OFFSHORE INC	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 281
Public Info Code: Y 27-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6560 / 6559	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
8993 / 8992	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
10174 / 10038	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
11485 / 10997	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 279	Date of Summary: 15-OCT-1997	First Sample Examined: 1000
Lease Number: G16516	Source of Paleo: OPERATOR	Borehole MD: 5400
Well Name: B001	Paleo Done By: PALEO SOURCE	Borehole TVD: 3600
API Well Number: 177244079300	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 1000 - 5400	Water Depth: 290
Public Info Code: Y 21-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
1000 / 1000	DEF AT first sample examined	DEF AT 3
1001 / 1001	DEF AT reworked material	DEF AT 3
1630 / 1616	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
1780 / 1749	DEF AT faunal change (no faunal increase)	DEF IN 3
2080 / 1976	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 3
2170 / 2034	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 3
2260 / 2086	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 3
3670 / 2719	DEF AT transported outer shelf facies	POS IN 3
3760 / 2761	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 3
4150 / 2944	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 3
5230 / 3506	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	POS AT 4
5380 / 3592	DEF AT last sample examined	POS AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 281	Date of Summary: 21-APR-1999	First Sample Examined: 4500
Lease Number: G10910	Source of Paleo: OPERATOR	Borehole MD: 14500
Well Name: A001	Paleo Done By: PALEO SOURCE	Borehole TVD: 14499
API Well Number: 177244077500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 4500 - 14500	Water Depth: 307
Public Info Code: Y 10-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT 3
4501 / 4501	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
5760 / 5760	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 3
5790 / 5790	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
7180 / 7180	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
7240 / 7240	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
7720 / 7720	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
8439 / 8439	POS AT unconformity	DEF AT 4
8440 / 8440	DEF AT local marker foram increase	DEF AT 4
9130 / 9130	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
9220 / 9220	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
9470 / 9470	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
9650 / 9650	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
10010 / 10010	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
10100 / 10100	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
10130 / 10130	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
10370 / 10370	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11089 / 11089	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 5
11090 / 11090	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 5
11148 / 11148	POS AT reworked material	DEF AT 6
11149 / 11149	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
11150 / 11150	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 281	Date of Summary: 21-APR-1999	First Sample Examined: 4500
Lease Number: G10910	Source of Paleo: OPERATOR	Borehole MD: 14500
Well Name: A001	Paleo Done By: PALEO SOURCE	Borehole TVD: 14499
API Well Number: 177244077500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 4500 - 14500	Water Depth: 307
Public Info Code: Y 10-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11180 / 11180	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
11210 / 11210	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
13680 / 13679	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
14340 / 14339	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
14368 / 14367	DEF AT reworked material	DEF AT 6
14369 / 14368	POS IN Lower Miocene (Aquitanean) Sphenolithus conicus	DEF AT 6
14370 / 14369	POS IN Lower Miocene (Aquitanean) Sphenolithus dissimilis	DEF AT 6
14500 / 14499	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 281	Date of Summary: 07-MAY-1999	First Sample Examined: 0
Lease Number: G10910	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14292
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 13400
API Well Number: 177244079800	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 307
Public Info Code: Y 05-DEC-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5760 / 5758	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9432 / 9155	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
10075 / 9711	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10955 / 10468	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
11920 / 11304	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 281	Date of Summary: 21-APR-1999	First Sample Examined: 5250
Lease Number: G16515	Source of Paleo: OPERATOR	Borehole MD: 15777
Well Name: A002	Paleo Done By: PALEO SOURCE	Borehole TVD: 14559
API Well Number: 177244078700	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 5250 - 15777	Water Depth: 305
Public Info Code: Y 03-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Consultant-integrated foram and nanno report, 5730=pre-lowstand upwelling fauna probably associated with the 5970 datum, 5970=Discoaster var 29 A (Shell concept), transgression above Robulus E datum, foram and nanno species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5250 / 5238	DEF AT first sample examined	DEF AT 4
5251 / 5239	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
5252 / 5240	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
5730 / 5687	DEF AT local marker foram increase	DEF AT 4
5970 / 5909	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
7110 / 6924	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT 4
7530 / 7287	POS IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
7980 / 7670	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
8010 / 7695	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
8070 / 7746	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
8490 / 8106	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
9150 / 8678	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
9510 / 8993	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 4
9720 / 9173	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
9750 / 9199	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT 5
10200 / 9587	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
10320 / 9691	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
10830 / 10133	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
10889 / 10184	POS AT reworked material	DEF AT 5
10890 / 10185	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11010 / 10290	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 281	Date of Summary: 21-APR-1999	First Sample Examined: 5250
Lease Number: G16515	Source of Paleo: OPERATOR	Borehole MD: 15777
Well Name: A002	Paleo Done By: PALEO SOURCE	Borehole TVD: 14559
API Well Number: 177244078700	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 5250 - 15777	Water Depth: 305
Public Info Code: Y 03-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11250 / 10497	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
12000 / 11147	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
12029 / 11171	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
12030 / 11172	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	POS IN 5
12119 / 11248	DEF AT local marker floral decrease	DEF IN 5
12120 / 11249	DEF AT local marker foram decrease	DEF IN 5
14520 / 13377	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
15340 / 14143	DEF AT local marker foram increase	DEF AT 6
15580 / 14370	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
15699 / 14484	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
15700 / 14485	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 6
15717 / 14501	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 6
15718 / 14502	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 6
15747 / 14530	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
15777 / 14559	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 283	Date of Summary: 06-JUN-1997	First Sample Examined: 4530
Lease Number: G13662	Source of Paleo: OPERATOR	Borehole MD: 13808
Well Name: A001	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 13635
API Well Number: 177244077700	Drilling Operator: MOBIL EXPLORATION AND PRODUCIN	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 4530 - 13790	Water Depth: 305
Public Info Code: Y 13-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4530 / 4530	DEF AT first sample examined	POS AT 4
4770 / 4770	DEF AT - - - - -	POS AT 4
4920 / 4920	DEF AT Lower Pliocene (Zanclian) Buliminella 1	POS AT 4
6030 / 6030	DEF AT Upper Miocene (Tortonian) Robulus "E"	POS AT 4
6990 / 6990	DEF AT Arenaceous fauna (local marker)	DEF AT 4
8280 / 8280	DEF AT Cyclamina sp. (local marker)	DEF AT 4
9030 / 9029	DEF AT Eggerella sp. (local marker)	DEF AT 4
9990 / 9979	DEF AT local marker benthic foram increase	DEF AT 4
10200 / 10185	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
10680 / 10629	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
10830 / 10765	DEF AT - - - - -	DEF AT 5
11760 / 11615	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
13460 / 13287	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
13790 / 13617	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 283	Date of Summary: 06-JUN-1997	First Sample Examined: 8640
Lease Number: G13662	Source of Paleo: OPERATOR	Borehole MD: 14100
Well Name: A001	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 14097
API Well Number: 177244077701	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 8640 - 14090	Water Depth: 305
Public Info Code: Y 09-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Paleobathymetry may be deeper, since samples are of poor quality

MD / TVD	Paleo Top Description	Ecozone
8640 / 8640	DEF AT first sample examined	DEF IN 3
8641 / 8641	DEF AT poor sample interval top	DEF IN 3
9420 / 9419	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 3
9960 / 9958	DEF AT - - - -	DEF AT 4
10290 / 10288	DEF AT local marker foram increase	DEF AT 4
10743 / 10741	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
11880 / 11878	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
13050 / 13047	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
13230 / 13227	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
13590 / 13587	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
13650 / 13647	DEF AT local marker foram increase	DEF AT 5
14089 / 14086	DEF AT poor sample interval bottom	DEF AT 5
14090 / 14087	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 312	Date of Summary: 13-JAN-1998	First Sample Examined: 7290
Lease Number: G16520	Source of Paleo: OPERATOR	Borehole MD: 11776
Well Name: JA001	Paleo Done By: OPERATOR	Borehole TVD: 11553
API Well Number: 177244077000	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 4020 - 11790	Water Depth: 240
Public Info Code: Y 13-MAR-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
7290 / 7290	DEF AT first sample examined	DEF AT 3
7320 / 7320	POS IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 3
8280 / 8267	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 3
8730 / 8701	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 3
8880 / 8843	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
9600 / 9513	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 3
9720 / 9623	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
9780 / 9679	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 3
10440 / 10297	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
11790 /	DEF AT last sample examined	DEF IN 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 313	Date of Summary: 18-AUG-1997	First Sample Examined: 7050
Lease Number: G04127	Source of Paleo: OPERATOR	Borehole MD: 16360
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 16352
API Well Number: 177244075470	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 5010 - 16350	Water Depth: 273
Public Info Code: Y 03-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
7050 / 7049	DEF AT first sample examined	POS AT 3
7980 / 7979	DEF AT - - - - -	DEF AT 3
8430 / 8429	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
8820 / 8818	DEF AT - - - - -	DEF IN 3
8940 / 8938	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 3
9300 / 9297	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 3
9600 / 9597	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
10140 / 10137	DEF AT - - - - -	DEF AT 3
10470 / 10467	DEF AT - - - - -	DEF AT 4
10590 / 10586	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
11130 / 11126	DEF AT - - - - -	DEF AT 5
12210 / 12206	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
12300 / 12296	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT 5
12360 / 12356	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
14280 / 14275	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
14760 / 14754	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
15480 / 15474	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16350 / 16342	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MP 313	Date of Summary: 18-AUG-1997	First Sample Examined: 15810
Lease Number: G04127	Source of Paleo: OPERATOR	Borehole MD: 18156
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 18108
API Well Number: 177244075471	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 15810 - 18150	Water Depth: 273
Public Info Code: Y 04-FEB-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
15810 / 15804	DEF AT first sample examined	DEF AT 4
16050 / 16043	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
16410 / 16401	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
16860 / 16846	DEF AT - - - - -	DEF AT 5
17010 / 16993	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
17100 / 17082	DEF AT - - - - -	DEF AT 4
18030 / 17985	DEF AT - - - - -	DEF AT 5
18150 / 18102	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MU 754	Date of Summary: 25-JAN-1999	First Sample Examined: 0
Lease Number: G05981	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9042
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 7355
API Well Number: 427024026001	Drilling Operator: FORCENERGY INC	Rkb Elevation: 68
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 93
Public Info Code: Y 04-OCT-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7876 / 6412	DEF IN Lower Miocene (Aquitanian) Siphonina davis	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MU 757	Date of Summary: 26-MAR-1996	First Sample Examined: 0
Lease Number: G03019	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9691
Well Name: B004	Paleo Done By: OPERATOR	Borehole TVD: 7076
API Well Number: 427024025100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 142
Public Info Code: Y 28-JUL-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6960 / 5329	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7910 / 5901	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
8865 / 6496	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9110 / 6661	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MU 759	Date of Summary: 04-OCT-1995	First Sample Examined: 0
Lease Number: G14103	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13112
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 10860
API Well Number: 427024024200	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 113
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 154
Public Info Code: Y 13-SEP-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6400 / 6330	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
9500 / 8317	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MU 759	Date of Summary: 21-NOV-1997	First Sample Examined: 0
Lease Number: G14103	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11871
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 10273
API Well Number: 427024023300	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 154
Public Info Code: Y 02-MAR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6800 / 6686	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9400 / 8583	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MU 759	Date of Summary: 21-OCT-1998	First Sample Examined: 0
Lease Number: G14103	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13176
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 11292
API Well Number: 427024025400	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 154
Public Info Code: Y 11-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6450 / 6397	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6720 / 6630	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6870 / 6752	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MU 763	Date of Summary: 02-AUG-1995	First Sample Examined: 0
Lease Number: G03022	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9488
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 9484
API Well Number: 427024025000	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 150
Public Info Code: Y 09-AUG-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4530 / 4527	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT
5190 / 5187	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
5744 / 5741	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
6938 / 6935	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
7102 / 7099	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MU 784	Date of Summary: 05-MAY-1995	First Sample Examined: 804
Lease Number: G05996	Source of Paleo: OPERATOR	Borehole MD: 13475
Well Name: B002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12200
API Well Number: 427024024600	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 804 - 13470	Water Depth: 170
Public Info Code: Y 18-MAY-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
804 / 804	DEF AT first sample examined	DEF AT 3
1704 / 1695	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
4494 / 4190	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
4944 / 4622	DEF AT - - - - -	DEF AT 3
6830 / 6499	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
7070 / 6739	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
8330 / 7961	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
8390 / 8017	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
9380 / 8919	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
13380 / 12080	DEF AT - - - - -	DEF AT 4
13470 / 12152	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MU 787	Date of Summary: 28-FEB-1995	First Sample Examined: 0
Lease Number: G11221	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13863
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 13547
API Well Number: 427024024100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 150
Public Info Code: Y 18-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5936 / 5622	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6312 / 5998	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
7245 / 6931	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
7550 / 7236	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
11585 / 11270	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MU 806	Date of Summary: 14-JUL-1997	First Sample Examined: 0
Lease Number: G10152	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10000
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 9999
API Well Number: 427024024500	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 164
Public Info Code: Y 23-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5990 / 5990	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7370 / 7369	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MU 829	Date of Summary: 04-JAN-2005	First Sample Examined: 5000
Lease Number: G22165	Source of Paleo: OPERATOR	Borehole MD: 8769
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8768
API Well Number: 427024028800	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 5000 - 8768	Water Depth: 176
Public Info Code: Y 30-SEP-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 5000	DEF AT first sample examined	DEF AT
5001 / 5001	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
5840 / 5840	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
6470 / 6470	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
8768 / 8767	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MU 829	Date of Summary: 05-JAN-2005	First Sample Examined: 5000
Lease Number: G22165	Source of Paleo: OPERATOR	Borehole MD: 8769
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8768
API Well Number: 427024028800	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 5000 - 8750	Water Depth: 176
Public Info Code: Y 30-SEP-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 5000	DEF AT first sample examined	DEF AT 3
5001 / 5001	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
6170 / 6170	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
7100 / 7099	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
8450 / 8449	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
8750 / 8749	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MU 829	Date of Summary: 05-JAN-2005	First Sample Examined: 8770
Lease Number: G22165	Source of Paleo: OPERATOR	Borehole MD: 12010
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12000
API Well Number: 427024028801	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 8770 - 12010	Water Depth: 176
Public Info Code: Y 30-SEP-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8770 / 8769	DEF AT first sample examined	DEF AT 3
9260 / 9259	POS AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 3
9530 / 9528	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
11480 / 11470	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT 3
11660 / 11650	DEF AT - - - - -	DEF AT 4
11750 / 11740	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 4
12010 / 12000	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MU 829	Date of Summary: 05-JAN-2005	First Sample Examined: 8780
Lease Number: G22165	Source of Paleo: OPERATOR	Borehole MD: 12010
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12000
API Well Number: 427024028801	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 8780 - 12010	Water Depth: 176
Public Info Code: Y 30-SEP-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8780 / 8779	DEF AT first sample examined	DEF AT
8810 / 8809	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
8840 / 8839	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF AT
9800 / 9797	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
10550 / 10543	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus (very rare)	DEF AT
12010 / 12000	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MU 858	Date of Summary: 13-SEP-1995	First Sample Examined: 0
Lease Number: G12421	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16497
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 16159
API Well Number: 427024024400	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 88
Public Info Code: Y 12-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9546 / 9230	DEF AT Oligocene Frio Formation/Provincial Stage	DEF AT
13726 / 13407	DEF IN Upper Oligocene (Chattian) Cibicides hazzardi	DEF AT
14996 / 14669	DEF IN Upper Oligocene (Chattian) Marginulina texana	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MU 858	Date of Summary: 09-NOV-1995	First Sample Examined: 0
Lease Number: G12421	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15818
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 14918
API Well Number: 427024024700	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 88
Public Info Code: Y 12-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7190 / 7086	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT
9650 / 9281	POS AT Upper Oligocene (Chattian) Marginulina idiomorpha	DEF AT
9651 / 9282	POS AT Oligocene Frio Formation/Provincial Stage	DEF AT
12450 / 11840	DEF AT Upper Oligocene (Chattian) Cibicides hazzardi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: MU A 31	Date of Summary: 24-AUG-1995	First Sample Examined: 6500
Lease Number: G11243	Source of Paleo: OPERATOR	Borehole MD: 9751
Well Name: B006	Paleo Done By: OPERATOR	Borehole TVD: 8776
API Well Number: 427024024300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 136
Paleo Report Num: 1 of 1	Sample Range: 4430 - 9750	Water Depth: 215
Public Info Code: Y 28-MAR-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6500 / 5649	DEF AT first sample examined	DEF AT 2
6740 / 5863	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 2
7850 / 6894	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
8270 / 7303	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
9410 / 8436	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 2
9750 / 8775	DEF AT last sample examined	DEF AT 2

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: PL 9	Date of Summary: 25-OCT-1995	First Sample Examined: 0
Lease Number: G02924	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15536
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 14747
API Well Number: 177134018700	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 35
Public Info Code: Y 03-MAR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
9810 / 9810	DEF AT Arenaceous fauna (local marker)	DEF AT
10590 / 10590	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11010 / 11009	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
11910 / 11867	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
13020 / 12781	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
15300 / 14564	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: PL 10	Date of Summary: 17-DEC-1997	First Sample Examined: 4620
Lease Number: G02925	Source of Paleo: OPERATOR	Borehole MD: 10192
Well Name: 029	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 8903
API Well Number: 177134020700	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 4620 - 10170	Water Depth: 35
Public Info Code: Y 09-DEC-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Sample quality was poor over the entire interval

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4620 / 4620	DEF AT first sample examined	DEF AT 2
4860 / 4860	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
5460 / 5460	DEF AT faunal change (no faunal increase)	POS IN 3
7920 / 7866	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	POS IN 3
10080 / 8862	DEF AT local marker foram increase	DEF IN 3
10170 / 8895	DEF AT last sample examined	POS IN 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: PL 11	Date of Summary: 30-SEP-1997	First Sample Examined: 5520
Lease Number: 00071	Source of Paleo: OPERATOR	Borehole MD: 8856
Well Name: 030	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 7333
API Well Number: 177134020600	Drilling Operator: MOBIL CORPORATION	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 5520 - 11400	Water Depth: 35
Public Info Code: Y 20-AUG-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5520 / 5415	DEF AT first sample examined	POS IN 3
6960 / 6282	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	POS IN 3
8460 / 7091	DEF AT Upper Miocene (Tortonian) Robulus "E"	POS IN 3
10440 /	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	POS IN 3
11400 /	DEF AT last sample examined	POS IN 3

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: PL 23	Date of Summary: 06-JAN-1997	First Sample Examined: 0
Lease Number: G01238	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15690
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 15588
API Well Number: 177134019900	Drilling Operator: STONE PETROLEUM CORPORATION	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 61
Public Info Code: Y 18-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14532 / 14434	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: PL 23	Date of Summary: 30-MAY-1997	First Sample Examined: 0
Lease Number: G01238	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15900
Well Name: C002	Paleo Done By: OPERATOR	Borehole TVD: 15714
API Well Number: 177134020000	Drilling Operator: STONE PETROLEUM CORPORATION	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 19-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14820 / 14647	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
15840 / 15654	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: PL 23	Date of Summary: 14-FEB-1997	First Sample Examined: 0
Lease Number: G01238	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18002
Well Name: D001	Paleo Done By: OPERATOR	Borehole TVD: 17182
API Well Number: 177134020100	Drilling Operator: STONE PETROLEUM CORPORATION	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 02-JAN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13570 / 13430	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
15370 / 14978	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
17470 / 16725	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: PL 23	Date of Summary: 24-APR-2001	First Sample Examined: 0
Lease Number: G01238	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16940
Well Name: D002	Paleo Done By: OPERATOR	Borehole TVD: 16552
API Well Number: 177134020400	Drilling Operator: STONE PETROLEUM CORPORATION	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 10-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13140 / 13131	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT
16080 / 15821	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
16710 / 16356	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: PL 25	Date of Summary: 13-AUG-1997	First Sample Examined: 9770
Lease Number: G14535	Source of Paleo: OPERATOR	Borehole MD: 17512
Well Name: JA001	Paleo Done By: OPERATOR	Borehole TVD: 17493
API Well Number: 177134019800	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 9770 - 17512	Water Depth: 65
Public Info Code: Y 30-NOV-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
9770 / 9763	DEF AT first sample examined	DEF AT 2
10090 / 10083	DEF AT - - - - -	DEF IN 2
10960 / 10953	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
11050 / 11043	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 3
12490 / 12482	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 3
14950 / 14940	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT 3
16420 / 16404	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 3
16750 / 16733	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT 3
17170 / 17152	DEF AT - - - - -	DEF AT 4
17350 / 17332	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 3
17512 / 17493	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: PN 887	Date of Summary: 01-SEP-2002	First Sample Examined: 4530
Lease Number: G22154	Source of Paleo: OPERATOR	Borehole MD: 19235
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 19209
API Well Number: 427014005101	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 4530 - 18530	Water Depth: 122
Public Info Code: Y 30-SEP-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 8940=Upper Oligocene Ammobaculites nummus, 9210=16010=16730=18020=scour surfaces, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4530 / 4530	DEF AT first sample examined	POS AT 2
4531 / 4531	POS AT reworked material	POS AT 2
4830 / 4830	DEF AT reworked material	POS AT 2
5280 / 5279	POS AT charophytes	POS AT 2
6540 / 6539	POS IN Lower Miocene (Burdigalian) Robulus chambersi	POS AT 2
6570 / 6569	POS IN Lower Miocene (Aquitanian) Siphonina davisii	DEF AT 2
6780 / 6779	POS AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 2
7230 / 7229	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF IN 2
7650 / 7649	DEF AT Upper Oligocene (Chattian) Cibicides jeffersonensis	DEF IN 2
8940 / 8939	DEF AT Arenaceous fauna (local marker)	DEF AT 3
9000 / 8999	DEF AT Upper Oligocene (Chattian) Bolivina perca	DEF IN 3
9209 / 9208	POS AT unconformity	DEF AT 4
9210 / 9209	DEF AT local marker planktic foram increase	DEF AT 4
9960 / 9959	DEF AT Upper Oligocene (Chattian) Marginulina vaginata	DEF AT 4
10730 / 10728	POS AT local marker foram increase	DEF AT 4
12500 / 12498	DEF AT local marker foram increase	DEF AT 4
14240 / 14237	POS AT Upper Oligocene (Chattian) Cibicides hazzardi	DEF IN 4
14900 / 14897	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 4
15500 / 15497	POS IN Upper Oligocene (Chattian) Marginulina texana	DEF IN 4
16010 / 16007	DEF AT unconformity	DEF IN 4
16730 / 16726	DEF AT unconformity	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: PN 887	Date of Summary: 01-SEP-2002	First Sample Examined: 4530
Lease Number: G22154	Source of Paleo: OPERATOR	Borehole MD: 19235
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 19209
API Well Number: 427014005101	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 4530 - 18530	Water Depth: 122
Public Info Code: Y 30-SEP-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18020 / 18006	DEF AT unconformity	DEF IN 4
18530 / 18509	DEF AT last sample examined	DEF IN 4
18830 / 18806	POS IN Upper Oligocene (Chattian) Bolivina mexicana	DEF IN 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SA 12	Date of Summary: 22-NOV-1995	First Sample Examined: 0
Lease Number: G14590	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14485
API Well Number: 177314006800	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 34
Public Info Code: Y 12-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7500 / 7499	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8430 / 8429	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8910 / 8909	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9600 / 9591	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
11640 / 11284	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT
12150 / 11697	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT
13700 / 12969	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT
15050 / 14092	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT
15390 / 14382	DEF AT deepwater facies Abbeville Iberia	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SA 12	Date of Summary: 08-OCT-1997	First Sample Examined: 0
Lease Number: G14590	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14466
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 13934
API Well Number: 177314007000	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 03-OCT-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6680 / 6520	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
7370 / 7174	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9740 / 9429	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10220 / 9877	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
11810 / 11390	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT
11930 / 11504	DEF AT local marker benthic foram increase	DEF AT
12380 / 11933	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT
12440 / 11990	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT
13400 / 12908	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SA 12	Date of Summary: 30-MAY-2006	First Sample Examined: 4200
Lease Number: G22507	Source of Paleo: OPERATOR	Borehole MD: 11571
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10701
API Well Number: 177314008200	Drilling Operator: MARLIN COASTAL, LLC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 4200 - 11571	Water Depth: 37
Public Info Code: Y 27-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4200 / 3995	DEF AT first sample examined	DEF IN 2
4201 / 3996	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 2
4560 / 4323	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF IN 2
5490 / 5169	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 2
5670 / 5333	DEF AT - - - - -	DEF AT 3
6480 / 6066	DEF AT - - - - -	DEF AT 2
7260 / 6767	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
7350 / 6850	DEF AT - - - - -	DEF AT 3
10200 / 9452	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
10350 / 9588	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
10590 / 9806	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
11571 / 10701	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SM 8	Date of Summary: 03-AUG-2001	First Sample Examined: 15990
Lease Number: G03401	Source of Paleo: OPERATOR	Borehole MD: 20550
Well Name: 010	Paleo Done By: OPERATOR	Borehole TVD: 19745
API Well Number: 177074081000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 15990 - 20550	Water Depth: 61
Public Info Code: Y 18-NOV-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15990 / 15745	DEF AT first sample examined	DEF AT
17070 / 16717	DEF AT -----	DEF AT 3
17190 / 16825	DEF AT -----	DEF AT 2
17670 / 17257	DEF AT -----	DEF AT 3
17730 / 17311	DEF AT -----	DEF AT 2
17940 / 17501	DEF AT -----	DEF AT 3
18120 / 17664	DEF AT -----	DEF AT 2
18360 / 17881	DEF AT -----	POS AT 1
18660 / 18153	DEF AT -----	DEF AT 2
18900 / 18370	DEF AT -----	DEF AT 3
18990 / 18452	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
19020 / 18479	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 3
19500 / 18908	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
19560 / 18960	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
19800 / 19165	DEF AT -----	DEF IN 4
19860 / 19215	DEF AT -----	DEF AT 4
19980 / 19313	DEF AT -----	DEF IN 4
20100 / 19407	DEF AT sample gap top	DEF AT
20549 / 19744	DEF AT sample gap bottom	DEF AT
20550 / 19745	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SM 11	Date of Summary: 19-NOV-1998	First Sample Examined: 0
Lease Number: G01182	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13080
Well Name: N057	Paleo Done By: OPERATOR	Borehole TVD: 12649
API Well Number: 177074074200	Drilling Operator: FORCENERGY INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 74
Public Info Code: Y 25-MAY-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8620 / 8586	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
11080 / 10853	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12070 / 11769	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SM 17	Date of Summary: 15-DEC-1997	First Sample Examined: 0
Lease Number: G12886	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12840
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 11859
API Well Number: 177074072100	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 77
Public Info Code: Y 25-JUL-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8280 / 8279	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SM 18	Date of Summary: 14-FEB-1996	First Sample Examined: 0
Lease Number: G08680	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14200
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14197
API Well Number: 177074071000	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 100
Public Info Code: Y 10-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12656 /	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT
12972 /	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SM 39	Date of Summary: 25-MAR-1999	First Sample Examined: 0
Lease Number: G16320	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10714
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 10651
API Well Number: 177074076100	Drilling Operator: EQUITABLE PRODUCTION COMPANY	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 95
Public Info Code: Y 20-NOV-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9255 / 9204	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SM 61	Date of Summary: 26-AUG-1996	First Sample Examined: 4630
Lease Number: G01196	Source of Paleo: OPERATOR	Borehole MD: 13257
Well Name: B009	Paleo Done By: OPERATOR	Borehole TVD: 12640
API Well Number: 177074071100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 4630 - 13257	Water Depth: 124
Public Info Code: Y 23-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
4630 / 4483	DEF AT first sample examined	DEF AT
4990 / 4820	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6430 / 6165	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8230 / 7846	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12880 / 12245	DEF AT - - - - -	DEF AT 3
12910 / 12275	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
13150 / 12514	DEF AT - - - - -	DEF AT 2
13210 / 12574	DEF AT - - - - -	DEF AT 3
13257 / 12621	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SM 61	Date of Summary: 20-SEP-1996	First Sample Examined: 4630
Lease Number: G01196	Source of Paleo: OPERATOR	Borehole MD: 18477
Well Name: B010	Paleo Done By: OPERATOR	Borehole TVD: 15697
API Well Number: 177074071300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 4630 - 18477	Water Depth: 124
Public Info Code: Y 07-MAY-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4630 / 4514	DEF AT first sample examined	DEF AT 1
5050 / 4874	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 1
5290 / 5077	DEF AT - - - - -	DEF AT 2
5340 / 5120	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 2
5460 / 5221	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
5610 / 5348	DEF AT - - - - -	DEF AT 1
6420 / 6027	POS IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 1
7430 / 6877	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
7490 / 6927	DEF AT - - - - -	DEF AT 2
7610 / 7029	DEF AT - - - - -	DEF AT 4
8210 / 7538	DEF AT - - - - -	DEF AT 2
9230 / 8404	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 2
12860 / 11439	DEF AT - - - - -	DEF AT 3
12950 / 11509	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
13700 / 12090	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 3
14630 / 12825	DEF AT - - - - -	DEF AT 2
14840 / 12994	DEF AT - - - - -	DEF AT 3
16310 / 14130	DEF AT - - - - -	DEF AT 2
16910 / 14573	DEF AT - - - - -	DEF AT 1
17450 / 14966	DEF AT - - - - -	DEF AT 2
18477 / 15697	DEF AT last sample examined	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SM 61	Date of Summary: 26-FEB-1996	First Sample Examined: 5000
Lease Number: G01196	Source of Paleo: OPERATOR	Borehole MD: 11884
Well Name: F004	Paleo Done By: OPERATOR	Borehole TVD: 8860
API Well Number: 177074069000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 5000 - 11870	Water Depth: 120
Public Info Code: Y 06-AUG-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5000 / 3797	DEF AT first sample examined	DEF AT
5660 / 4127	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6020 / 4305	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9320 / 6518	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10100 / 7291	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11870 / 8849	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SM 61	Date of Summary: 24-AUG-1996	First Sample Examined: 4970
Lease Number: G01196	Source of Paleo: OPERATOR	Borehole MD: 11864
Well Name: F005	Paleo Done By: OPERATOR	Borehole TVD: 10068
API Well Number: 177074069600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 4970 - 11870	Water Depth: 122
Public Info Code: Y 14-SEP-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4970 / 4837	DEF AT first sample examined	DEF AT 1
5120 / 4970	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
5450 / 5272	DEF AT - - - - -	DEF AT 1
6560 / 6277	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 1
6800 / 6493	DEF AT - - - - -	DEF AT 2
6830 / 6520	DEF AT - - - - -	DEF AT 1
7220 / 6874	DEF AT - - - - -	DEF AT 2
7250 / 6901	DEF AT - - - - -	DEF AT 1
7850 / 7443	DEF AT - - - - -	DEF AT 2
8900 / 8365	DEF AT - - - - -	DEF AT 1
9530 / 8879	DEF AT - - - - -	DEF AT 2
10070 / 9231	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 2
10280 / 9342	DEF AT - - - - -	DEF AT 1
10790 / 9596	DEF AT - - - - -	DEF AT 2
11870 /	DEF AT last sample examined	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SM 61	Date of Summary: 26-FEB-1996	First Sample Examined: 9270
Lease Number: G03145	Source of Paleo: OPERATOR	Borehole MD: 13670
Well Name: F002	Paleo Done By: OPERATOR	Borehole TVD: 11905
API Well Number: 177074046801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 9270 - 13670	Water Depth: 125
Public Info Code: Y 29-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
9270 / 8542	DEF AT first sample examined	POS AT 1
9570 / 8781	DEF AT -----	DEF AT 1
9630 / 8824	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 1
10260 / 9306	DEF AT -----	DEF AT 2
10800 / 9739	DEF AT -----	DEF AT 1
11280 / 10121	DEF AT -----	DEF AT 2
11700 / 10458	DEF AT -----	DEF AT 1
11970 / 10675	DEF AT -----	DEF AT 2
12090 / 10771	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
12990 / 11439	DEF AT -----	DEF AT 1
13110 / 11521	DEF AT -----	DEF AT 2
13670 / 11905	DEF AT last sample examined	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SM 97	Date of Summary: 31-JUL-2001	First Sample Examined: 0
Lease Number: G21619	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 3125
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 1535
API Well Number: 177084089300	Drilling Operator: FOREST OIL CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 170
Public Info Code: Y 30-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1180 / 1095	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SM 142	Date of Summary: 25-MAR-1998	First Sample Examined: 0
Lease Number: G01216	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7401
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 5763
API Well Number: 177084082900	Drilling Operator: ENERGEN RESOURCES MAQ INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 230
Public Info Code: Y 14-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4250 / 3337	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5789 / 4447	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6350 / 4877	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SM 232	Date of Summary: 14-SEP-2001	First Sample Examined: 0
Lease Number: G22650	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9016
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9016
API Well Number: 177074082400	Drilling Operator: JUNIPER ENERGY LP	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 19
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6920 / 6919	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
8488 / 8487	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SM 233	Date of Summary: 18-SEP-1996	First Sample Examined: 0
Lease Number: G11929	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11340
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 11338
API Well Number: 177074072200	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 17
Public Info Code: Y 26-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6750 / 6750	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
8400 / 8400	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
9900 / 9900	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10700 / 10699	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SM 276	Date of Summary: 18-DEC-2000	First Sample Examined: 0
Lease Number: G21631	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11015
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11015
API Well Number: 177074080800	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 49
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9260 / 9259	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT
9424 / 9423	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10545 / 10544	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SM 280	Date of Summary: 11-MAY-1995	First Sample Examined: 0
Lease Number: G14456	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13930
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12279
API Well Number: 177074068600	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 41
Public Info Code: Y 06-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11290 / 10652	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
12580 / 11379	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SM 280	Date of Summary: 02-MAY-1996	First Sample Examined: 0
Lease Number: G14456	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14980
Well Name: G001	Paleo Done By: OPERATOR	Borehole TVD: 14152
API Well Number: 177074071400	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 06-APR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11412 / 11398	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
12230 / 12159	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12573 / 12447	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
14062 / 13511	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SM 288	Date of Summary: 10-MAR-1998	First Sample Examined: 12000
Lease Number: G02316	Source of Paleo: OPERATOR	Borehole MD: 17760
Well Name: CD001	Paleo Done By: OPERATOR	Borehole TVD: 16721
API Well Number: 177074074600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 12000 - 17760	Water Depth: 60
Public Info Code: Y 28-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
12000 / 11997	DEF AT first sample examined	DEF AT 1
12150 / 12145	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 1
12810 / 12793	DEF AT - - - - -	DEF IN 2
12990 / 12969	DEF IN Upper Miocene (Messinian) Discoaster quinquaramus	DEF IN 2
13140 / 13113	DEF AT - - - - -	DEF AT 4
13170 / 13141	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
13230 / 13199	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
13530 / 13479	DEF AT - - - - -	DEF IN 3
14190 / 14053	DEF AT - - - - -	DEF AT 2
15030 / 14674	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 2
15570 / 15061	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
15960 / 15341	DEF AT - - - - -	DEF AT 4
16020 / 15385	DEF AT - - - - -	DEF AT 3
16380 / 15654	DEF AT - - - - -	DEF AT 4
16470 / 15724	DEF AT - - - - -	DEF AT 2
17070 / 16191	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
17100 / 16214	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT 2
17670 / 16651	DEF AT - - - - -	DEF IN 1
17760 / 16721	DEF AT last sample examined	DEF IN 1

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SP 87	Date of Summary: 20-SEP-1995	First Sample Examined: 18100
Lease Number: G07799	Source of Paleo: OPERATOR	Borehole MD: 19548
Well Name: D007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18886
API Well Number: 177224020900	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 119
Paleo Report Num: 1 of 2	Sample Range: 18100 - 19510	Water Depth: 372
Public Info Code: Y 03-OCT-2005	Ecozone Eq MMS:	Paleo ID: 005

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18100 / 17446	DEF AT first sample examined	DEF AT
18370 / 17715	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
19510 / 18849	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SP 87	Date of Summary: 21-SEP-1995	First Sample Examined: 18100
Lease Number: G07799	Source of Paleo: OPERATOR	Borehole MD: 19548
Well Name: D007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18886
API Well Number: 177224020900	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 119
Paleo Report Num: 2 of 2	Sample Range: 18100 - 19510	Water Depth: 372
Public Info Code: Y 03-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18100 / 17446	DEF AT first sample examined	DEF AT 3
18430 / 17775	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
19510 / 18849	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SP 89	Date of Summary: 22-OCT-1996	First Sample Examined: 2610
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 5799
Well Name: B007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 5729
API Well Number: 177224008501	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 1 of 2	Sample Range: 2610 - 5799	Water Depth: 426
Public Info Code: Y 12-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2610 / 2602	DEF AT first sample examined	DEF AT 3
3000 / 2991	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
3060 / 3051	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
3210 / 3200	DEF AT - - - - -	DEF AT 4
3810 / 3797	DEF AT - - - - -	DEF IN 5
3930 / 3916	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
4020 / 4005	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
4260 / 4242	DEF AT - - - - -	DEF AT 4
5190 / 5147	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
5640 / 5577	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
5790 / 5720	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
5799 / 5729	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SP 89	Date of Summary: 22-OCT-1996	First Sample Examined: 2610
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 5799
Well Name: B007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 5729
API Well Number: 177224008501	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 2 of 2	Sample Range: 2610 - 5799	Water Depth: 426
Public Info Code: Y 12-OCT-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2610 / 2602	DEF AT first sample examined	DEF AT
3000 / 2991	DEF AT Upper Pleistocene (Ionian) Helicosphaera inversa	DEF AT
3660 / 3648	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
3930 / 3916	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
4260 / 4242	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
4980 / 4946	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
5340 / 5291	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
5640 / 5577	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
5670 / 5606	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
5700 / 5634	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
5799 / 5729	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SP 89	Date of Summary: 20-JUN-1997	First Sample Examined: 3985
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 8450
Well Name: B009	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8275
API Well Number: 177224008601	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 118
Paleo Report Num: 1 of 4	Sample Range: 3985 - 8480	Water Depth: 420
Public Info Code: Y 27-MAY-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3985 / 3984	DEF AT first sample examined	POS AT 5
3986 / 3985	DEF AT cement	POS AT 5
4040 / 4039	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
4160 / 4159	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	POS AT 5
4400 / 4395	DEF AT - - - - -	DEF AT 4
4970 / 4951	DEF AT - - - - -	DEF AT 5
5030 / 5010	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
5270 / 5244	DEF AT - - - - -	DEF AT 4
5360 / 5332	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
5390 / 5361	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
7220 / 7074	DEF AT - - - - -	DEF AT 3
8480 /	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SP 89	Date of Summary: 27-JUN-1997	First Sample Examined: 3985
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 8450
Well Name: B009	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8275
API Well Number: 177224008601	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 118
Paleo Report Num: 2 of 4	Sample Range: 3985 - 8480	Water Depth: 420
Public Info Code: Y 27-MAY-2007	Ecozone Eq MMS:	Paleo ID: 004

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3985 / 3984	DEF AT first sample examined	DEF AT
4040 / 4039	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5030 / 5010	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
5390 / 5361	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7220 / 7074	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7580 / 7419	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8480 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SP 89	Date of Summary: 27-JUN-1997	First Sample Examined: 7380
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 8450
Well Name: B009	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8275
API Well Number: 177224008601	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 118
Paleo Report Num: 3 of 4	Sample Range: 7380 - 8480	Water Depth: 420
Public Info Code: Y 27-MAY-2007	Ecozone Eq MMS:	Paleo ID: 005

Remark: Calcareous nannofossil report for bypass 1, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7380 / 7227	DEF AT first sample examined	DEF AT
7680 / 7515	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8190 / 8015	DEF AT local marker floral increase	DEF AT
8480 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SP 89	Date of Summary: 27-JUN-1997	First Sample Examined: 7390
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 8450
Well Name: B009	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8275
API Well Number: 177224008601	Drilling Operator: MARATHON PETROLEUM COMPANY	Rkb Elevation: 118
Paleo Report Num: 4 of 4	Sample Range: 7390 - 8450	Water Depth: 420
Public Info Code: Y 27-MAY-2007	Ecozone Eq MMS:	Paleo ID: 006

Remark: Calcareous nannofossil report for bypass 2, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7390 / 7236	DEF AT first sample examined	DEF AT
7480 / 7323	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8110 / 7936	DEF AT local marker floral increase	DEF AT
8450 / 8275	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SP 89	Date of Summary: 23-OCT-1996	First Sample Examined: 13017
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 13906
Well Name: B011	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13620
API Well Number: 177224010402	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 1 of 4	Sample Range: 13017 - 13906	Water Depth: 420
Public Info Code: Y 13-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13017 / 12951	DEF AT first sample examined	DEF AT 3
13230 / 13148	DEF AT - - - - -	DEF AT 4
13470 / 13320	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
13906 / 13620	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SP 89	Date of Summary: 23-OCT-1996	First Sample Examined: 13017
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 13906
Well Name: B011	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13620
API Well Number: 177224010402	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 2 of 4	Sample Range: 13017 - 13906	Water Depth: 420
Public Info Code: Y 13-AUG-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13017 / 12951	DEF AT first sample examined	DEF AT
13680 / 13459	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13906 / 13620	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SP 89	Date of Summary: 23-OCT-1996	First Sample Examined: 13190
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 13906
Well Name: B011	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13620
API Well Number: 177224010402	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 3 of 4	Sample Range: 13190 - 13950	Water Depth: 420
Public Info Code: Y 13-AUG-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Sidetrack 3 bypass 1 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13190 / 13114	DEF AT first sample examined	DEF AT 3
13370 / 13256	DEF AT - - - - -	DEF AT 4
13460 / 13314	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
13950 /	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SP 89	Date of Summary: 23-OCT-1996	First Sample Examined: 13190
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 13906
Well Name: B011	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13620
API Well Number: 177224010402	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 4 of 4	Sample Range: 13190 - 13879	Water Depth: 420
Public Info Code: Y 13-AUG-2006	Ecozone Eq MMS:	Paleo ID: 004

Remark: Calcareous nannofossil report for sidetrack 3 bypass 1, no diagnostic coccolith markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13190 / 13114	DEF AT first sample examined	DEF AT
13879 / 13600	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SP 89	Date of Summary: 18-MAY-1995	First Sample Examined: 12890
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 16254
Well Name: B015	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15341
API Well Number: 177224012703	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 1 of 4	Sample Range: 12890 - 16254	Water Depth: 420
Public Info Code: Y 28-MAY-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Bypass 2 report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12860 / 12333	DEF AT first sample examined	DEF AT 4
13370 / 12830	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
16254 / 15431	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SP 89	Date of Summary: 18-MAY-1995	First Sample Examined: 12890
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 16254
Well Name: B015	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15341
API Well Number: 177224012703	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 2 of 4	Sample Range: 12890 - 16254	Water Depth: 420
Public Info Code: Y 28-MAY-2005	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report for bypass 2, no nannofossil markers noted, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12890 / 12362	DEF AT first sample examined	DEF AT
16254 / 15431	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SP 89	Date of Summary: 18-MAY-1995	First Sample Examined: 11300
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 16254
Well Name: B015	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15341
API Well Number: 177224012703	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 3 of 4	Sample Range: 11300 - 12860	Water Depth: 420
Public Info Code: Y 28-MAY-2005	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Bypass 1 report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11300 / 10802	DEF AT first sample examined	DEF AT 3
11301 / 10803	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
12200 / 11685	DEF AT - - - - -	DEF AT 4
12860 / 12333	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SP 89	Date of Summary: 18-MAY-1995	First Sample Examined: 11300
Lease Number: G01618	Source of Paleo: OPERATOR	Borehole MD: 16254
Well Name: B015	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15341
API Well Number: 177224012703	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 118
Paleo Report Num: 4 of 4	Sample Range: 11300 - 12860	Water Depth: 420
Public Info Code: Y 28-MAY-2005	Ecozone Eq MMS:	Paleo ID: 005

Remark: Calcareous nannofossil report for bypass 1, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11300 / 10802	DEF AT first sample examined	DEF AT
11420 / 10920	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12710 / 12185	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12860 / 12333	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 76	Date of Summary: 29-DEC-1995	First Sample Examined: 0
Lease Number: G15276	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11766
API Well Number: 177114119000	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 129
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 32
Public Info Code: Y 28-DEC-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10515 / 9887	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
11640 / 10622	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
12280 / 11036	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 87	Date of Summary: 27-MAR-2001	First Sample Examined: 0
Lease Number: 00060	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11150
Well Name: 026	Paleo Done By: OPERATOR	Borehole TVD: 9794
API Well Number: 177114117900	Drilling Operator: PETROQUEST ENERGY LLC	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 35
Public Info Code: Y 14-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9407 / 8818	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 99	Date of Summary: 17-NOV-1999	First Sample Examined: 0
Lease Number: G13912	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12035
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12034
API Well Number: 177114115700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 18
Public Info Code: Y 29-MAR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10680 / 10679	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
11130 / 11129	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11520 / 11519	DEF AT Cyclammina sp. (local marker)	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 105	Date of Summary: 03-JUN-1997	First Sample Examined: 0
Lease Number: G09614	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16219
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 16215
API Well Number: 177114124000	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 37
Public Info Code: Y 14-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
10235 / 10234	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11540 / 11539	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
13520 / 13519	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
15040 / 15038	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 105	Date of Summary: 01-FEB-1997	First Sample Examined: 10000
Lease Number: G09614	Source of Paleo: OPERATOR	Borehole MD: 16838
Well Name: B004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16239
API Well Number: 177114122400	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 10000 - 16750	Water Depth: 34
Public Info Code: Y 11-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9999	DEF AT first sample examined	DEF AT 1
10360 / 10359	DEF AT Arenaceous fauna (local marker)	DEF AT 1
10420 / 10419	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 1
10630 / 10628	DEF AT pyrite	DEF AT 1
10720 / 10718	DEF AT Cyclammina sp. (local marker)	DEF AT 1
11200 / 11198	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 1
11680 / 11678	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 1
12098 / 12096	POS AT unconformity	DEF AT 1
12099 / 12097	POS AT fault	DEF AT 1
12100 / 12098	DEF AT Arenaceous fauna (local marker)	DEF AT 2
12160 / 12158	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 2
12350 / 12347	DEF AT Arenaceous fauna (local marker)	DEF AT 2
13040 / 13028	DEF AT sample gap top	POS AT 2
13480 / 13454	DEF AT sample gap bottom	DEF AT 2
13481 / 13455	DEF AT Arenaceous fauna (local marker)	DEF AT 2
13600 / 13569	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
13630 / 13597	DEF AT local marker benthic foram increase	DEF AT 4
13690 / 13653	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	POS AT 4
13750 / 13710	DEF AT faunal change (no faunal increase)	DEF AT 3
13810 / 13766	DEF AT pyrite	POS AT 4
13870 / 13823	DEF AT reworked material	DEF AT 3
13990 / 13934	DEF AT faunal change (no faunal increase)	POS AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 105	Date of Summary: 01-FEB-1997	First Sample Examined: 10000
Lease Number: G09614	Source of Paleo: OPERATOR	Borehole MD: 16838
Well Name: B004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16239
API Well Number: 177114122400	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 10000 - 16750	Water Depth: 34
Public Info Code: Y 11-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
14170 / 14097	DEF AT local marker benthic foram increase	DEF AT 3
14290 / 14204	DEF AT faunal change (no faunal increase)	DEF AT 2
14380 / 14284	DEF AT local marker benthic foram increase	DEF AT 2
14440 / 14338	DEF AT local marker planktic foram increase	POS AT 3
14560 / 14444	DEF AT faunal change (no faunal increase)	DEF AT 2
14740 / 14601	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
14860 / 14702	DEF AT Arenaceous fauna (local marker)	DEF AT 2
15460 / 15194	POS AT local marker foram increase	DEF AT 2
15610 / 15312	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
15820 / 15476	DEF AT faunal change (no faunal increase)	POS AT 1
16210 / 15778	DEF AT local marker benthic foram increase	DEF AT 3
16330 / 15869	DEF AT faunal change (no faunal increase)	DEF AT 2
16390 / 15914	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 2
16480 / 15980	DEF AT local marker planktic foram increase	DEF AT 2
16540 / 16024	DEF AT pyrite	DEF AT 2
16750 / 16176	DEF AT last sample examined	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 105	Date of Summary: 21-JAN-1999	First Sample Examined: 0
Lease Number: G12940	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17500
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 16905
API Well Number: 177114124500	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 37
Public Info Code: Y 27-AUG-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10530 / 10529	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11810 / 11809	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
13740 / 13723	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
15290 / 15058	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 126	Date of Summary: 16-JAN-1997	First Sample Examined: 0
Lease Number: G12940	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16500
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 16293
API Well Number: 177114122000	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 27-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13850 / 13848	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 129	Date of Summary: 08-APR-1996	First Sample Examined: 4260
Lease Number: G12941	Source of Paleo: OPERATOR	Borehole MD: 13860
Well Name: A003	Paleo Done By: THOMAS REILLY	Borehole TVD: 12873
API Well Number: 177114120100	Drilling Operator: SEAGULL ENERGY E&P INC	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 4260 - 13858	Water Depth: 48
Public Info Code: Y 19-APR-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4260 / 4259	DEF AT first sample examined	DEF IN 2
4740 / 4739	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
5010 / 5009	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
5760 / 5759	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 3
8970 / 8969	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF IN 3
10230 / 10195	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
11970 / 11545	DEF AT Cyclammina sp. (local marker)	DEF AT 5
13200 / 12403	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
13858 / 12872	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 145	Date of Summary: 06-SEP-1995	First Sample Examined: 0
Lease Number: G11984	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8221
Well Name: B013	Paleo Done By: OPERATOR	Borehole TVD: 6254
API Well Number: 177114117401	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 145
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 43
Public Info Code: Y 22-AUG-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6410 / 5735	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 154	Date of Summary: 18-AUG-1995	First Sample Examined: 0
Lease Number: 00420	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7944
Well Name: 009	Paleo Done By: OPERATOR	Borehole TVD: 7221
API Well Number: 177110058902	Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 56
Public Info Code: Y 31-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5330 / 5154	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT
5810 / 5584	DEF AT Upper Pliocene (Piacenzian) Globorotalia multcamerata	DEF AT
7010 / 6512	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 154	Date of Summary: 27-FEB-1995	First Sample Examined: 0
Lease Number: 00420	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7756
Well Name: C024	Paleo Done By: OPERATOR	Borehole TVD: 6780
API Well Number: 177114115800	Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 56
Public Info Code: Y 01-MAR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
3730 / 3707	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
4450 / 4317	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
4810 / 4589	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT
6730 / 5938	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
7450 / 6519	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
7593 / 6638	DEF AT salt	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 173	Date of Summary: 14-JUN-2004	First Sample Examined: 10020
Lease Number: G22709	Source of Paleo: OPERATOR	Borehole MD: 16795
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16793
API Well Number: 177114141600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 101
Paleo Report Num: 1 of 2	Sample Range: 10020 - 17000	Water Depth: 75
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10020 / 10020	DEF AT first sample examined	DEF IN 1
10021 / 10021	DEF IN Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 1
10080 / 10080	DEF AT Cyclammina sp. (local marker)	DEF IN 2
10140 / 10140	DEF AT local marker benthic foram increase	DEF IN 2
10170 / 10170	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 2
10200 / 10200	DEF AT local marker foram decrease	DEF IN 2
10260 / 10260	DEF AT local marker benthic foram increase	DEF AT 2
10290 / 10290	DEF AT local marker foram decrease	DEF AT 2
10350 / 10350	DEF AT local marker benthic foram increase	DEF AT 2
10470 / 10470	DEF AT local marker foram decrease	DEF AT 2
10890 / 10890	DEF AT local marker benthic foram increase	DEF AT 2
11250 / 11250	DEF AT Cyclammina cancellata (local marker)	DEF IN 2
11340 / 11340	POS AT Upper Miocene (Messinian) Textularia "X"	DEF IN 2
11460 / 11459	DEF AT faunal change (no faunal increase)	DEF AT 2
11520 / 11519	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 2
11550 / 11549	DEF AT local marker foram decrease	DEF IN 2
11850 / 11849	DEF AT local marker benthic foram increase	DEF IN 2
12030 / 12029	DEF AT Arenaceous fauna (local marker)	DEF IN 2
12480 / 12479	DEF AT local marker foram increase	DEF IN 2
12509 / 12508	DEF AT pyrite	DEF IN 2
12510 / 12509	DEF AT local marker foram decrease	DEF IN 2
12690 / 12689	POS AT Arenaceous fauna (local marker)	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 173	Date of Summary: 14-JUN-2004	First Sample Examined: 10020
Lease Number: G22709	Source of Paleo: OPERATOR	Borehole MD: 16795
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16793
API Well Number: 177114141600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 101
Paleo Report Num: 1 of 2	Sample Range: 10020 - 17000	Water Depth: 75
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
12750 / 12749	DEF AT Arenaceous fauna (local marker)	DEF IN 2
12870 / 12869	DEF AT local marker benthic foram increase	DEF AT 3
13080 / 13079	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
13110 / 13109	DEF AT local marker foram increase	DEF AT 3
13200 / 13199	DEF AT local marker benthic foram increase	DEF AT 3
13349 / 13348	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
13350 / 13349	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 3
13380 / 13379	DEF AT local marker benthic foram increase	DEF IN 3
13516 / 13515	DEF AT local marker foram decrease	DEF AT 3
13590 / 13589	DEF AT local marker benthic foram increase	DEF AT 3
13620 / 13619	DEF AT local marker foram decrease	DEF AT 3
13920 / 13919	DEF AT Arenaceous fauna (local marker)	DEF AT 3
14010 / 14009	DEF AT faunal change (no faunal increase)	DEF AT 3
14070 / 14069	DEF AT Bathysiphon fauna	DEF AT 3
14100 / 14099	DEF AT local marker foram decrease	DEF AT 3
14160 / 14159	DEF AT local marker benthic foram increase	DEF AT 3
14190 / 14189	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 4
14340 / 14339	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 4
14580 / 14579	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
14610 / 14609	DEF AT local marker foram decrease	DEF IN 3
14700 / 14699	DEF AT local marker benthic foram increase	DEF IN 3
14760 / 14759	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 4
14970 / 14969	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF IN 4
15000 / 14999	DEF AT drilling material	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 173	Date of Summary: 14-JUN-2004	First Sample Examined: 10020
Lease Number: G22709	Source of Paleo: OPERATOR	Borehole MD: 16795
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16793
API Well Number: 177114141600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 101
Paleo Report Num: 1 of 2	Sample Range: 10020 - 17000	Water Depth: 75
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
15060 / 15058	DEF AT Arenaceous fauna (local marker)	DEF AT 4
15210 / 15208	DEF AT local marker foram decrease	DEF AT 4
15270 / 15268	DEF AT Cyclammina sp. (local marker)	DEF IN 4
15330 / 15328	DEF IN Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 4
15420 / 15418	DEF AT local marker foram decrease	DEF AT 4
15450 / 15448	DEF AT pyrite	DEF AT 4
15480 / 15478	DEF AT local marker foram increase	DEF AT 4
15510 / 15508	DEF AT local marker foram decrease	DEF AT 4
15690 / 15688	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 4
15810 / 15808	DEF AT drilling material	DEF AT 4
15900 / 15898	DEF AT local marker deep water fauna	DEF IN 4
15960 / 15958	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
16020 / 16018	DEF AT local marker foram decrease	DEF IN 4
16080 / 16078	DEF AT local marker deep water fauna	DEF AT 5
16170 / 16168	DEF AT Eggerella sp. (local marker)	DEF AT 5
16290 / 16288	DEF AT local marker planktic foram increase	DEF AT 5
16380 / 16378	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF IN 4
16440 / 16438	DEF AT Arenaceous fauna (local marker)	DEF IN 4
16470 / 16468	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 5
16560 / 16558	DEF AT local marker foram decrease	DEF AT 5
17000 /	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 173	Date of Summary: 14-JUN-2004	First Sample Examined: 10020
Lease Number: G22709	Source of Paleo: OPERATOR	Borehole MD: 16795
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16793
API Well Number: 177114141600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 101
Paleo Report Num: 2 of 2	Sample Range: 10020 - 17000	Water Depth: 75
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10020 / 10020	DEF AT first sample examined	DEF AT
10080 / 10080	DEF IN Upper Miocene (Messinian) Discoaster quinquetramus	DEF AT
10860 / 10860	DEF AT local marker floral decrease	DEF AT
11580 / 11579	DEF AT local marker floral increase	DEF AT
12060 / 12059	POS AT local marker floral increase	DEF AT
12120 / 12119	DEF AT local marker floral decrease	DEF AT
12540 / 12539	DEF AT Upper Miocene (Messinian) Discoaster decorus	DEF AT
12600 / 12599	DEF AT local marker foram decrease	DEF AT
12840 / 12839	DEF AT local marker floral increase	DEF AT
12960 / 12959	DEF AT local marker floral decrease	DEF AT
13200 / 13199	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13290 / 13289	DEF AT local marker floral decrease	DEF AT
13560 / 13559	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13740 / 13739	DEF AT local marker floral decrease	DEF AT
14220 / 14219	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14280 / 14279	DEF AT local marker floral decrease	DEF AT
14820 / 14819	POS AT local marker floral increase	DEF AT
14970 / 14969	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
15030 / 15029	DEF AT floral flood	DEF AT
15270 / 15268	DEF AT local marker floral decrease	DEF AT
15390 / 15388	DEF AT floral flood	DEF AT
15510 / 15508	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 173	Date of Summary: 14-JUN-2004	First Sample Examined: 10020
Lease Number: G22709	Source of Paleo: OPERATOR	Borehole MD: 16795
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16793
API Well Number: 177114141600	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 101
Paleo Report Num: 2 of 2	Sample Range: 10020 - 17000	Water Depth: 75
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
15570 / 15568	DEF AT Upper Miocene (Tortonian) Discoaster challengeri (updip)	DEF AT
15750 / 15748	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15810 / 15808	DEF AT local marker floral decrease	DEF AT
15870 / 15868	DEF AT local marker floral increase	DEF AT
16050 / 16048	DEF AT floral flood	DEF AT
16230 / 16228	DEF AT local marker floral decrease	DEF AT
16350 / 16348	DEF AT local marker floral increase	DEF AT
16410 / 16408	DEF AT floral flood	DEF AT
16470 / 16468	DEF AT local marker floral decrease	DEF AT
16590 / 16588	DEF AT local marker floral increase	DEF AT
17000 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 181	Date of Summary: 26-AUG-1996	First Sample Examined: 7500
Lease Number: G04231	Source of Paleo: OPERATOR	Borehole MD: 12764
Well Name: F001	Paleo Done By: OPERATOR	Borehole TVD: 10897
API Well Number: 177114120000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 7500 - 12724	Water Depth: 66
Public Info Code: Y 09-MAR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
7500 / 7494	DEF AT first sample examined	DEF AT 1
7620 / 7612	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 1
8430 / 8379	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 1
8850 / 8717	DEF AT - - - - -	DEF AT 2
9390 / 9037	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 2
9750 / 9227	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
11400 / 10127	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 2
11580 / 10226	DEF AT - - - - -	DEF AT 3
11790 / 10342	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 3
12724 / 10874	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 193	Date of Summary: 26-APR-1995	First Sample Examined: 0
Lease Number: G13917	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15143
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 11845
API Well Number: 177114116000	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 31
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 77
Public Info Code: Y 23-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13200 / 10042	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
14283 / 11011	POS AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 194	Date of Summary: 26-MAY-1998	First Sample Examined: 0
Lease Number: G15288	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15087
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 14172
API Well Number: 177114121300	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 77
Public Info Code: Y 08-AUG-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11898 / 11893	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12104 / 12087	DEF IN Upper (Late) Miocene	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 198	Date of Summary: 01-JUL-1996	First Sample Examined: 0
Lease Number: 00593	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14500
Well Name: K004	Paleo Done By: OPERATOR	Borehole TVD: 14498
API Well Number: 177114119200	Drilling Operator: CONOCO INC	Rkb Elevation: 131
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 98
Public Info Code: Y 31-MAY-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
5520 / 5519	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
6660 / 6659	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
9780 / 9779	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10290 / 10289	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT
10890 / 10889	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
13350 / 13348	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14190 / 14188	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 206	Date of Summary: 21-NOV-1995	First Sample Examined: 0
Lease Number: G01522	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11670
Well Name: E002	Paleo Done By: OPERATOR	Borehole TVD: 11100
API Well Number: 177114118100	Drilling Operator: NORCEN EXPLORER INC	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 91
Public Info Code: Y 17-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8478 / 7954	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 209	Date of Summary: 28-DEC-1995	First Sample Examined: 0
Lease Number: G01228	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11150
Well Name: M001	Paleo Done By: OPERATOR	Borehole TVD: 10823
API Well Number: 177114117600	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 100
Public Info Code: Y 28-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6165 / 6164	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
7931 / 7920	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT
8840 / 8828	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 222	Date of Summary: 11-SEP-1997	First Sample Examined: 0
Lease Number: G01525	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16942
Well Name: D012	Paleo Done By: OPERATOR	Borehole TVD: 15922
API Well Number: 177114124600	Drilling Operator: EL PASO PRODUCTION COMPANY	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 141
Public Info Code: Y 06-SEP-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
8642 / 8641	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
9690 / 9676	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
10290 / 10204	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 3
11640 / 11277	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
11670 / 11301	DEF AT - - - - -	DEF AT 4
11700 / 11324	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
15130 / 14206	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
16120 / 15139	DEF AT - - - - -	DEF AT 5
16720 / 15710	DEF AT - - - - -	DEF AT 6

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 223	Date of Summary: 02-OCT-1995	First Sample Examined: 0
Lease Number: G01526	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13640
Well Name: F001	Paleo Done By: OPERATOR	Borehole TVD: 10686
API Well Number: 177114115400	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 127
Public Info Code: Y 11-FEB-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5660 / 5650	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
5870 / 5851	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
12430 / 9953	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 223	Date of Summary: 01-SEP-1995	First Sample Examined: 0
Lease Number: G01526	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11404
Well Name: F002	Paleo Done By: OPERATOR	Borehole TVD: 11086
API Well Number: 177114115900	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 131
Public Info Code: Y 09-MAR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5890 / 5889	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6050 / 6049	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7220 / 7219	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
9370 / 9277	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
10870 / 10614	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 225	Date of Summary: 24-JAN-2002	First Sample Examined: 9800
Lease Number: G21657	Source of Paleo: OPERATOR	Borehole MD: 16938
Well Name: K001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15635
API Well Number: 177114136002	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 9000 - 16938	Water Depth: 147
Public Info Code: Y 31-MAY-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8996	DEF AT first sample examined	DEF AT 4
9480 / 9476	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
9780 / 9776	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
10530 / 10526	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
11280 / 11276	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
13050 / 12992	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
13350 / 13235	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
14190 / 13857	DEF AT Eggerella sp. (local marker)	DEF AT 4
14550 / 14110	DEF AT Eggerella sp. (local marker)	DEF AT 4
14850 / 14326	DEF AT Eggerella sp. (local marker)	DEF AT 4
15060 / 14471	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
15089 / 14491	DEF AT foram flood	DEF AT 5
15090 / 14492	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 5
15270 / 14619	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF IN 4
15419 / 14728	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 4
15420 / 14728	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 4
16938 / 15635	DEF AT last sample examined	DEF IN 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 233	Date of Summary: 10-MAY-1996	First Sample Examined: 14130
Lease Number: G15293	Source of Paleo: OPERATOR	Borehole MD: 15961
Well Name: B002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14034
API Well Number: 177114037102	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 14130 - 15960	Water Depth: 127
Public Info Code: Y 15-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14130 / 12619	DEF AT first sample examined	DEF AT 3
14131 / 12620	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 3
14308 / 12762	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
14309 / 12763	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
14310 / 12764	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
15540 / 13713	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
15960 / 14033	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 258	Date of Summary: 12-JUN-1997	First Sample Examined: 6570
Lease Number: G05560	Source of Paleo: OPERATOR	Borehole MD: 11455
Well Name: JB004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10420
API Well Number: 177124057100	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 6570 - 11455	Water Depth: 148
Public Info Code: Y 08-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6570 / 5611	DEF AT first sample examined	DEF AT 2
7080 / 6082	DEF AT faunal change (no faunal increase)	DEF AT 3
7290 / 6280	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
7470 / 6452	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7830 / 6800	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3
8370 / 7333	DEF AT sample gap top	POS AT 3
8490 / 7452	DEF AT sample gap bottom	DEF AT 3
8790 / 7750	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
9150 / 8109	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 3
11455 / 10412	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 299	Date of Summary: 26-SEP-1995	First Sample Examined: 0
Lease Number: G07759	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10055
Well Name: A010	Paleo Done By: OPERATOR	Borehole TVD: 7200
API Well Number: 177124054300	Drilling Operator: DEVON SFS OPERATING INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 265
Public Info Code: Y 12-JUL-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3024 / 2721	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
9628 / 6930	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 349	Date of Summary: 17-APR-1995	First Sample Examined: 1450
Lease Number: G12010	Source of Paleo: OPERATOR	Borehole MD: 19665
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18308
API Well Number: 177124052600	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 77
Paleo Report Num: 1 of 3	Sample Range: 1450 - 17380	Water Depth: 375
Public Info Code: Y 12-MAY-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1450 / 1450	DEF AT first sample examined	DEF AT 3
1650 / 1650	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
1710 / 1710	DEF AT - - - - -	DEF AT 3
2520 / 2520	DEF AT - - - - -	DEF AT 4
2640 / 2640	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
2670 / 2670	DEF AT - - - - -	DEF AT 3
3750 / 3750	DEF AT - - - - -	DEF AT 4
4620 / 4620	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
5500 / 5499	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
5710 / 5707	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
7060 / 6974	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7300 / 7185	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
7330 / 7211	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
7540 / 7395	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
7810 / 7631	DEF AT salt	DEF AT 5
12250 / 11582	DEF AT base of salt	DEF AT 6
12400 / 11711	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13330 / 12518	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
14260 / 13314	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
17380 / 16112	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 349	Date of Summary: 17-APR-1995	First Sample Examined: 14500
Lease Number: G12010	Source of Paleo: OPERATOR	Borehole MD: 19665
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18308
API Well Number: 177124052600	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 77
Paleo Report Num: 2 of 3	Sample Range: 14500 - 19665	Water Depth: 375
Public Info Code: Y 12-MAY-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Sidetrack 2 report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14500 / 13517	DEF AT first sample examined	DEF AT 6
19665 / 18308	DEF AT last sample examined	DEF AT 6

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: SS 349	Date of Summary: 17-APR-1995	First Sample Examined: 14500
Lease Number: G12010	Source of Paleo: OPERATOR	Borehole MD: 19665
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18308
API Well Number: 177124052600	Drilling Operator: CONOCOPHILLIPS COMPANY	Rkb Elevation: 77
Paleo Report Num: 3 of 3	Sample Range: 14500 - 19665	Water Depth: 375
Public Info Code: Y 12-MAY-2005	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report for sidetrack 2

MD / TVD	Paleo Top Description	Ecozone
14500 / 13517	DEF AT first sample examined	DEF AT
14560 / 13569	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
16390 / 15194	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17320 / 16055	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18610 / 17291	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
18760 / 17435	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
19300 / 17956	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19665 / 18308	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 38	Date of Summary: 17-MAR-2000	First Sample Examined: 0
Lease Number: G09637	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12980
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 11548
API Well Number: 177154084900	Drilling Operator: MILLENNIUM OFFSHORE GROUP INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 28-FEB-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9310 / 9054	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
10300 / 9737	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11380 / 10492	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 63	Date of Summary: 30-SEP-1996	First Sample Examined: 11000
Lease Number: 00599	Source of Paleo: OPERATOR	Borehole MD: 14897
Well Name: J002	Paleo Done By: THOMAS REILLY	Borehole TVD: 14749
API Well Number: 177154090000	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 77
Paleo Report Num: 1 of 1	Sample Range: 11000 - 14870	Water Depth: 90
Public Info Code: Y 22-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 / 10856	DEF AT first sample examined	DEF AT 3
12230 / 12086	DEF AT - - - - -	DEF AT 4
12320 / 12176	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT 4
13310 / 13165	DEF AT local marker foram increase	DEF AT 5
13580 / 13435	DEF AT - - - - -	DEF AT 4
14870 /	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 107	Date of Summary: 26-APR-2005	First Sample Examined: 16000
Lease Number: G15319	Source of Paleo: OPERATOR	Borehole MD: 16761
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16401
API Well Number: 177154099702	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 117
Paleo Report Num: 1 of 2	Sample Range: 16000 - 16750	Water Depth: 72
Public Info Code: Y 20-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16000 / 15744	DEF AT first sample examined	DEF AT 3
16001 / 15745	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
16210 / 15927	DEF AT local marker foram increase	DEF AT 4
16750 / 16391	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 107	Date of Summary: 26-APR-2005	First Sample Examined: 16000
Lease Number: G15319	Source of Paleo: OPERATOR	Borehole MD: 16761
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16401
API Well Number: 177154099702	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 117
Paleo Report Num: 2 of 2	Sample Range: 16000 - 16750	Water Depth: 72
Public Info Code: Y 20-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16000 / 15744	DEF AT first sample examined	DEF AT
16360 / 16057	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16750 / 16391	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 109	Date of Summary: 02-JUN-2003	First Sample Examined: 13010
Lease Number: G22740	Source of Paleo: OPERATOR	Borehole MD: 19000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18973
API Well Number: 177154112400	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 13010 - 19000	Water Depth: 66
Public Info Code: Y 30-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
13010 / 13010	DEF AT first sample examined	DEF AT 3
13370 / 13370	DEF AT - - - - -	POS AT 4
13408 / 13408	POS IN Lower Pliocene (Zanclian) Buliminella 1	POS AT 4
13910 / 13910	POS AT Upper Miocene (Messinian) Textularia "X"	POS AT 4
17120 / 17102	DEF AT - - - - -	DEF AT 5
17150 / 17132	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
17600 / 17579	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
17900 / 17878	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
18350 / 18327	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
18920 / 18895	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
19000 / 18975	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 131	Date of Summary: 24-AUG-1995	First Sample Examined: 6000
Lease Number: 00457	Source of Paleo: OPERATOR	Borehole MD: 12624
Well Name: G010	Paleo Done By: OPERATOR	Borehole TVD: 10460
API Well Number: 177154084200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 6000 - 12441	Water Depth: 143
Public Info Code: Y 21-JAN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6000 / 5957	DEF AT first sample examined	DEF AT 2
6001 / 5958	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 2
6660 / 6512	DEF AT - - - - -	DEF AT 1
9800 / 8606	DEF AT - - - - -	DEF AT 2
9860 / 8647	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
11750 / 9890	DEF AT - - - - -	DEF AT 2
12441 / 10338	DEF AT last sample examined	DEF AT 2

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 148	Date of Summary: 19-JUN-1996	First Sample Examined: 10783
Lease Number: G01960	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16452
Well Name: A007	Paleo Done By: OPERATOR	Borehole TVD: 16083
API Well Number: 177154089000	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 10783 - 16452	Water Depth: 111
Public Info Code: Y 05-JUL-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10783 / 10546	DEF AT first sample examined	DEF AT 2
12030 / 11734	DEF AT - - - - -	DEF AT 3
12900 / 12566	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 3
14550 / 14185	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
14640 / 14275	DEF AT - - - - -	DEF AT 4
16452 / 16083	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 159	Date of Summary: 15-OCT-2003	First Sample Examined: 7300
Lease Number: G23925	Source of Paleo: OPERATOR	Borehole MD: 10164
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9968
API Well Number: 177154113600	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 7300 - 10164	Water Depth: 133
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7300 / 7296	DEF AT first sample examined	DEF IN 3
7420 / 7415	DEF AT - - - - -	DEF AT 4
7870 / 7860	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
8560 / 8533	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
9160 / 9096	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
10164 / 9968	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 159	Date of Summary: 04-OCT-2003	First Sample Examined: 8168
Lease Number: G23925	Source of Paleo: OPERATOR	Borehole MD: 17223
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17179
API Well Number: 177154113601	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 2	Sample Range: 8168 - 17220	Water Depth: 133
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8168 / 8155	DEF AT first sample examined	DEF IN 4
8200 / 8186	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 4
8830 / 8810	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
9190 / 9170	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
12760 / 12718	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
15420 / 15377	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
16320 / 16277	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 4
16350 / 16307	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT 6
16380 / 16337	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
16680 / 16637	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
16710 / 16667	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
16830 / 16786	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
17040 / 16996	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
17130 / 17086	DEF AT salt	DEF AT 6
17160 / 17116	DEF AT anhydrite	DEF AT 6
17220 / 17176	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 159	Date of Summary: 15-OCT-2003	First Sample Examined: 16020
Lease Number: G23925	Source of Paleo: OPERATOR	Borehole MD: 17223
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17179
API Well Number: 177154113601	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 101
Paleo Report Num: 2 of 2	Sample Range: 16020 - 17220	Water Depth: 133
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
16020 / 15977	DEF AT first sample examined	DEF AT
16320 / 16277	POS IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
16710 / 16667	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16830 / 16786	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17040 / 16996	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17130 / 17086	DEF AT salt	DEF AT
17220 / 17176	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 159	Date of Summary: 15-OCT-2003	First Sample Examined: 16710
Lease Number: G23925	Source of Paleo: OPERATOR	Borehole MD: 18297
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16514
API Well Number: 177154113602	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 16710 - 18270	Water Depth: 133
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16710 / 16063	DEF AT first sample examined	DEF AT
17250 / 16223	DEF IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
18270 / 16507	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 160	Date of Summary: 26-JAN-1999	First Sample Examined: 18610
Lease Number: G05606	Source of Paleo: OPERATOR	Borehole MD: 21643
Well Name: E004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19320
API Well Number: 177154095600	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 115
Paleo Report Num: 1 of 2	Sample Range: 18610 - 21643	Water Depth: 110
Public Info Code: Y 08-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18610 / 17320	DEF AT first sample examined	DEF AT 3
19150 / 17658	POS IN Upper Miocene (Messinian) Textularia "X"	DEF AT 3
20140 / 18272	DEF AT - - - -	DEF AT 4
21643 / 19320	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 160	Date of Summary: 02-FEB-1999	First Sample Examined: 18610
Lease Number: G05606	Source of Paleo: OPERATOR	Borehole MD: 21643
Well Name: E004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19320
API Well Number: 177154095600	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 115
Paleo Report Num: 2 of 2	Sample Range: 18610 - 21643	Water Depth: 110
Public Info Code: Y 08-OCT-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18610 / 17320	DEF AT first sample examined	DEF AT
18790 / 17434	POS IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
20980 / 18849	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
21643 / 19320	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 172	Date of Summary: 13-JUN-2001	First Sample Examined: 0
Lease Number: G01256	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13915
Well Name: E001	Paleo Done By: OPERATOR	Borehole TVD: 13202
API Well Number: 177154085900	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 110
Public Info Code: Y 05-AUG-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7500 / 7498	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10410 / 9978	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
11620 / 10967	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 172	Date of Summary: 06-OCT-1998	First Sample Examined: 0
Lease Number: G01256	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13356
Well Name: E002	Paleo Done By: OPERATOR	Borehole TVD: 13099
API Well Number: 177154086400	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 113
Public Info Code: Y 17-SEP-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7680 / 7510	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10230 / 9975	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
11015 / 10759	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 174	Date of Summary: 01-MAR-2004	First Sample Examined: 14640
Lease Number: G22742	Source of Paleo: OPERATOR	Borehole MD: 13702
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13500
API Well Number: 177154108600	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 14640 - 25756	Water Depth: 119
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
14640 /	DEF AT first sample examined	DEF AT
14760 /	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14850 /	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16740 /	POS AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
16980 /	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
17010 /	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
17910 /	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
20040 /	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21210 /	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21270 /	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
23820 /	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
25756 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 174	Date of Summary: 10-FEB-2004	First Sample Examined: 14640
Lease Number: G22742	Source of Paleo: OPERATOR	Borehole MD: 25756
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 25745
API Well Number: 177154113900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 14640 - 25756	Water Depth: 118
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Shark Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14640 / 14633	DEF AT first sample examined	DEF IN 2
14730 / 14723	DEF AT Cyclammina cancellata (local marker)	DEF IN 2
14760 / 14753	DEF AT faunal change (no faunal increase)	DEF AT 3
14790 / 14783	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
14850 / 14843	DEF AT local marker benthic foram increase	DEF AT 3
14880 / 14873	DEF AT faunal change (no faunal increase)	DEF AT 3
14910 / 14903	DEF AT faunal change (no faunal increase)	DEF AT 3
14970 / 14963	DEF AT - - - - -	DEF IN 2
15090 / 15083	DEF AT drilling material	POS AT 2
15180 / 15173	DEF AT turbid water facies	POS AT 2
15450 / 15443	DEF AT Bathysiphon fauna	POS AT 2
15480 / 15473	DEF AT faunal change (no faunal increase)	DEF AT 3
15540 / 15533	DEF AT turbid water facies	POS AT 3
15570 / 15563	DEF AT - - - - -	DEF AT 3
15630 / 15623	DEF AT turbid water facies	POS AT 3
15750 / 15743	DEF AT faunal change (no faunal increase)	DEF AT 3
15840 / 15832	POS AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF IN 3
15870 / 15862	DEF AT faunal change (no faunal increase)	DEF IN 3
15960 / 15952	DEF AT turbid water facies	POS IN 3
15990 / 15982	DEF AT - - - - -	DEF AT 3
16080 / 16072	DEF AT - - - - -	DEF AT 4
16110 / 16102	DEF AT - - - - -	DEF IN 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 174	Date of Summary: 10-FEB-2004	First Sample Examined: 14640
Lease Number: G22742	Source of Paleo: OPERATOR	Borehole MD: 25756
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 25745
API Well Number: 177154113900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 14640 - 25756	Water Depth: 118
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16170 / 16162	DEF AT turbid water facies	DEF IN 2
16320 / 16312	DEF AT - - - - -	DEF AT 3
16349 / 16341	DEF AT turbid water facies	POS AT 3
16350 / 16342	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
16380 / 16372	DEF AT - - - - -	DEF IN 2
16410 / 16402	DEF AT Bathysiphon fauna	DEF AT 3
16440 / 16432	DEF AT local marker planktic foram increase	DEF AT 3
16530 / 16522	DEF AT local marker foram increase	DEF AT 3
16650 / 16642	DEF AT local marker benthic foram increase	DEF AT 3
16950 / 16941	DEF AT local marker benthic foram increase	POS AT 3
17010 / 17001	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
17070 / 17061	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
17130 / 17121	DEF AT local marker planktic foram increase	DEF AT 4
17310 / 17301	DEF AT - - - - -	DEF IN 3
17339 / 17330	DEF AT turbid water facies	POS IN 3
17340 / 17331	DEF AT Arenaceous fauna (local marker)	POS IN 3
17430 / 17421	DEF AT - - - - -	DEF AT 3
17520 / 17511	DEF AT local marker foram increase	DEF AT 4
17550 / 17541	DEF AT - - - - -	DEF IN 3
17580 / 17571	DEF AT turbid water facies	POS IN 3
17610 / 17601	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
17700 / 17691	DEF AT - - - - -	DEF AT 3
17730 / 17721	DEF AT - - - - -	DEF AT 4
17760 / 17751	DEF AT - - - - -	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 174	Date of Summary: 10-FEB-2004	First Sample Examined: 14640
Lease Number: G22742	Source of Paleo: OPERATOR	Borehole MD: 25756
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 25745
API Well Number: 177154113900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 14640 - 25756	Water Depth: 118
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17820 / 17811	DEF AT local marker benthic foram increase	DEF AT 4
17910 / 17901	DEF AT faunal change (no faunal increase)	DEF AT 4
17939 / 17930	DEF IN Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 4
17940 / 17931	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
18000 / 17991	DEF AT turbid water facies	POS AT 4
18090 / 18081	DEF AT faunal change (no faunal increase)	DEF AT 3
18120 / 18111	DEF AT transported shelf fauna	POS AT 3
18180 / 18171	DEF AT - - - - -	DEF AT 4
18240 / 18231	DEF AT local marker benthic foram increase	DEF AT 4
18420 / 18411	DEF AT turbid water facies	POS AT 4
18600 / 18591	DEF AT local marker benthic foram increase	DEF AT 4
18660 / 18651	DEF AT turbid water facies	POS AT 4
18750 / 18741	DEF AT Arenaceous fauna (local marker)	POS AT 4
18780 / 18771	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
19110 / 19100	DEF AT turbid water facies	POS AT 4
19170 / 19160	DEF AT Bathysiphon fauna	POS AT 4
19260 / 19250	DEF AT local marker deep water fauna	DEF AT 4
19470 / 19460	DEF AT transported shelf fauna	POS AT 4
19560 / 19550	DEF AT turbid water facies	POS AT 4
19980 / 19970	DEF AT local marker benthic foram increase	DEF AT 4
20040 / 20030	DEF AT local marker benthic foram increase	DEF AT 4
20070 / 20060	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
20100 / 20090	DEF AT - - - - -	DEF IN 3
20190 / 20180	DEF AT - - - - -	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 174	Date of Summary: 10-FEB-2004	First Sample Examined: 14640
Lease Number: G22742	Source of Paleo: OPERATOR	Borehole MD: 25756
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 25745
API Well Number: 177154113900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 14640 - 25756	Water Depth: 118
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20280 / 20270	DEF AT faunal change (no faunal increase)	DEF AT 4
20340 / 20330	DEF AT - - - - -	DEF IN 3
20370 / 20360	DEF AT cement	DEF AT 4
20429 / 20419	DEF AT turbid water facies	POS AT 4
20430 / 20420	DEF AT Bathysiphon fauna	POS AT 4
20460 / 20450	DEF AT - - - - -	DEF IN 3
20490 / 20480	DEF AT faunal change (no faunal increase)	DEF IN 3
20520 / 20510	DEF AT local marker foram increase	DEF AT 4
20640 / 20630	DEF AT turbid water facies	POS AT 4
20820 / 20810	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
20910 / 20900	DEF AT reworked material	POS AT 4
21000 / 20990	DEF AT local marker foram increase	DEF AT 4
21060 / 21050	DEF AT local marker foram increase	DEF AT 4
21090 / 21080	DEF AT - - - - -	DEF IN 3
21209 / 21199	DEF AT Bathysiphon fauna	DEF AT 5
21210 / 21200	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
21240 / 21230	DEF AT - - - - -	DEF AT 4
21330 / 21320	DEF AT faunal change (no faunal increase)	DEF AT 4
21390 / 21380	DEF IN local marker planktic foram increase	DEF AT 4
21450 / 21440	DEF AT - - - - -	DEF AT 5
21480 / 21470	DEF AT - - - - -	DEF AT 4
21630 / 21620	DEF AT - - - - -	DEF IN 3
21689 / 21679	DEF AT turbid water facies	POS IN 3
21690 / 21680	DEF AT Bathysiphon fauna	POS IN 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 174	Date of Summary: 10-FEB-2004	First Sample Examined: 14640
Lease Number: G22742	Source of Paleo: OPERATOR	Borehole MD: 25756
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 25745
API Well Number: 177154113900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 14640 - 25756	Water Depth: 118
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21750 / 21740	DEF AT local marker planktic foram increase	DEF AT 5
21780 / 21770	DEF AT - - - - -	DEF AT 4
21870 / 21860	DEF AT - - - - -	DEF AT 5
21900 / 21890	DEF AT - - - - -	DEF AT 4
21990 / 21980	DEF AT faunal change (no faunal increase)	DEF IN 3
22020 / 22010	DEF AT local marker foram increase	DEF IN 3
22050 / 22040	POS AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 5
22140 / 22130	DEF AT - - - - -	DEF AT 4
22230 / 22220	DEF AT - - - - -	DEF AT 5
22260 / 22250	DEF AT - - - - -	DEF AT 4
22290 / 22280	DEF AT - - - - -	DEF AT 5
22320 / 22310	DEF AT - - - - -	DEF AT 4
22380 / 22370	DEF AT faunal change (no faunal increase)	DEF AT 4
22560 / 22550	DEF AT faunal change (no faunal increase)	DEF AT 4
22650 / 22640	DEF AT - - - - -	DEF IN 3
22710 / 22700	DEF AT local marker benthic foram increase	DEF AT 4
22830 / 22820	DEF AT local marker planktic foram increase	DEF AT 4
22950 / 22940	DEF AT turbid water facies	POS AT 4
22980 / 22970	DEF AT local marker foram increase	DEF AT 3
23010 / 23000	DEF AT local marker planktic foram increase	DEF AT 5
23070 / 23060	DEF AT - - - - -	DEF AT 4
23100 / 23090	DEF AT local marker benthic foram increase	DEF IN 3
23130 / 23120	DEF AT - - - - -	DEF AT 4
23280 / 23270	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 174	Date of Summary: 10-FEB-2004	First Sample Examined: 14640
Lease Number: G22742	Source of Paleo: OPERATOR	Borehole MD: 25756
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 25745
API Well Number: 177154113900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 14640 - 25756	Water Depth: 118
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23310 / 23300	DEF AT -----	DEF AT 4
23370 / 23360	DEF AT -----	DEF AT 5
23400 / 23390	DEF AT -----	DEF AT 4
23550 / 23540	DEF AT turbid water facies	POS AT 4
23640 / 23630	DEF AT -----	DEF AT 4
23700 / 23690	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
24030 / 24019	POS AT foram flood	DEF AT 5
24060 / 24049	DEF AT -----	DEF AT 4
24240 / 24229	DEF IN local marker foram increase	DEF AT 4
24300 / 24289	DEF AT -----	DEF IN 3
24330 / 24319	DEF AT -----	DEF AT 4
24420 / 24409	DEF AT -----	DEF IN 3
24780 / 24769	DEF AT local marker benthic foram increase	DEF IN 3
24960 / 24949	DEF AT turbid water facies	POS IN 3
25000 / 24989	DEF AT -----	DEF IN 3
25050 / 25039	DEF AT -----	DEF AT 4
25110 / 25099	DEF AT -----	DEF IN 3
25170 / 25159	DEF AT local marker planktic foram increase	DEF AT 4
25229 / 25218	POS AT reworked material	POS AT 4
25230 / 25219	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	POS AT 4
25259 / 25248	DEF AT turbid water facies	POS AT 4
25260 / 25249	DEF AT Arenaceous fauna (local marker)	POS AT 4
25320 / 25309	DEF AT -----	DEF AT 4
25410 / 25399	DEF AT -----	POS AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 174	Date of Summary: 10-FEB-2004	First Sample Examined: 14640
Lease Number: G22742	Source of Paleo: OPERATOR	Borehole MD: 25756
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 25745
API Well Number: 177154113900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 1 of 1	Sample Range: 14640 - 25756	Water Depth: 118
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25440 / 25429	DEF AT - - - - -	DEF IN 3
25619 / 25608	POS AT reworked material	DEF AT 4
25620 / 25609	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
25680 / 25669	DEF AT - - - - -	DEF IN 3
25756 / 25745	DEF AT last sample examined	DEF IN 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 178	Date of Summary: 13-JAN-1997	First Sample Examined: 0
Lease Number: G12019	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16313
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 16281
API Well Number: 177154086300	Drilling Operator: DEVON SFS OPERATING INC	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 154
Public Info Code: Y 13-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
3949 / 3948	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4900 / 4899	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7600 / 7599	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10700 / 10699	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11930 / 11926	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 193	Date of Summary: 23-APR-1996	First Sample Examined: 0
Lease Number: G12024	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15788
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 13838
API Well Number: 177154084500	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 118
Public Info Code: Y 23-FEB-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15200 / 13378	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 199	Date of Summary: 02-OCT-2001	First Sample Examined: 0
Lease Number: G21671	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9300
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9300
API Well Number: 177154107500	Drilling Operator: HUNT PETROLEUM (AEC) INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 128
Public Info Code: Y 30-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5213 / 5213	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
7010 / 7010	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 211	Date of Summary: 28-JAN-1998	First Sample Examined: 0
Lease Number: G16435	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12061
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 10902
API Well Number: 177164022500	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 150
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5750 / 5750	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
7180 / 7164	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8400 / 8216	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
11464 / 10442	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 211	Date of Summary: 02-AUG-2000	First Sample Examined: 0
Lease Number: G16435	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10692
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 10378
API Well Number: 177164022800	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 150
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5700 / 5699	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
7200 / 7149	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8375 / 8241	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9956 / 9700	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 228	Date of Summary: 11-SEP-1996	First Sample Examined: 4381
Lease Number: G10836	Source of Paleo: OPERATOR	Borehole MD: 19631
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17767
API Well Number: 177164021500	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 1 of 2	Sample Range: 4381 - 19590	Water Depth: 235
Public Info Code: Y 15-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4381 / 4381	DEF AT first sample examined	POS AT 3
4382 / 4382	DEF AT cement	POS AT 3
4550 / 4550	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 3
4850 / 4850	DEF AT - - - - -	DEF AT 4
5480 / 5479	DEF AT - - - - -	DEF IN 5
5510 / 5509	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
5870 / 5869	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 5
6440 / 6439	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6620 / 6619	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
6650 / 6649	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6770 / 6769	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 5
9170 / 9080	DEF AT - - - - -	DEF AT 6
9320 / 9209	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10250 / 9961	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
12230 / 11491	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
12380 / 11613	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
13820 / 12880	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
17480 / 16011	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
19160 / 17386	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
19340 / 17532	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
19590 / 17734	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 228	Date of Summary: 11-SEP-1996	First Sample Examined: 4381
Lease Number: G10836	Source of Paleo: OPERATOR	Borehole MD: 19631
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17767
API Well Number: 177164021500	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 2 of 2	Sample Range: 4381 - 19590	Water Depth: 235
Public Info Code: Y 15-JUL-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4381 / 4381	DEF AT first sample examined	DEF AT
4850 / 4850	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5510 / 5509	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5930 / 5929	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6440 / 6439	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6620 / 6619	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8000 / 7992	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9380 / 9260	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10220 / 9938	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12170 / 11443	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
12770 / 11948	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14690 / 13651	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15020 / 13934	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
15050 / 13960	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15860 / 14645	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17300 / 15863	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18200 / 16596	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18980 / 17240	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
18988 / 17247	DEF AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
19030 / 17281	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
19260 / 17467	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
19419 / 17596	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 228	Date of Summary: 11-SEP-1996	First Sample Examined: 4381
Lease Number: G10836	Source of Paleo: OPERATOR	Borehole MD: 19631
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17767
API Well Number: 177164021500	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 2 of 2	Sample Range: 4381 - 19590	Water Depth: 235
Public Info Code: Y 15-JUL-2006	Ecozone Eq MMS:	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19590 / 17734	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 228	Date of Summary: 11-SEP-1996	First Sample Examined: 15517
Lease Number: G10836	Source of Paleo: OPERATOR	Borehole MD: 21021
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19610
API Well Number: 177164021501	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 1 of 2	Sample Range: 15517 - 20940	Water Depth: 230
Public Info Code: Y 18-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15517 / 14355	DEF AT first sample examined	DEF AT 6
18320 / 16947	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
19730 / 18333	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
20090 / 18689	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
20330 / 18927	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
20940 / 19530	DEF AT last sample examined	DEF AT 6

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 228	Date of Summary: 11-SEP-1996	First Sample Examined: 15517
Lease Number: G10836	Source of Paleo: OPERATOR	Borehole MD: 21021
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19610
API Well Number: 177164021501	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 2 of 2	Sample Range: 15517 - 20940	Water Depth: 230
Public Info Code: Y 18-APR-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15517 / 14355	DEF AT first sample examined	DEF AT
15860 / 14656	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17450 / 16117	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18530 / 17151	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19370 / 17977	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19730 / 18333	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19940 / 18541	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
20000 / 18600	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
20120 / 18719	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
20420 / 19016	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
20510 / 19105	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
20600 / 19194	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
20940 / 19530	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 239	Date of Summary: 05-JUL-2002	First Sample Examined: 15000
Lease Number: G22754	Source of Paleo: OPERATOR	Borehole MD: 23607
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23601
API Well Number: 177164029800	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 1 of 2	Sample Range: 15000 - 23520	Water Depth: 174
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Fergana Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15000 / 14998	DEF AT first sample examined	DEF AT
15001 / 14999	DEF AT turbid water facies	DEF AT
15090 / 15088	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT
15450 / 15448	DEF AT faunal change (no faunal increase)	DEF IN 2
15480 / 15478	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
15810 / 15808	DEF AT local marker foram increase	DEF AT 3
15870 / 15868	DEF AT local marker foram increase	DEF AT 3
16020 / 16017	DEF AT faunal change (no faunal increase)	DEF IN 2
16110 / 16107	DEF AT local marker foram increase	DEF IN 3
16170 / 16167	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 3
16410 / 16407	DEF AT faunal change (no faunal increase)	DEF AT 3
16500 / 16497	DEF AT Arenaceous fauna (local marker)	DEF AT 3
16650 / 16647	DEF AT turbid water facies	DEF AT 3
16740 / 16737	DEF AT Arenaceous fauna (local marker)	POS AT 3
16770 / 16767	DEF AT faunal change (no faunal increase)	DEF IN 3
16860 / 16857	DEF AT drilling material	DEF IN 3
16890 / 16887	DEF AT faunal change (no faunal increase)	DEF AT 3
17010 / 17007	DEF AT turbid water facies	POS AT 3
17100 / 17097	DEF AT turbid water facies	POS AT 3
17160 / 17157	DEF AT faunal change (no faunal increase)	DEF AT 3
17190 / 17187	DEF AT turbid water facies	POS AT 3
17200 / 17197	DEF AT faunal change (no faunal increase)	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 239	Date of Summary: 05-JUL-2002	First Sample Examined: 15000
Lease Number: G22754	Source of Paleo: OPERATOR	Borehole MD: 23607
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23601
API Well Number: 177164029800	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 1 of 2	Sample Range: 15000 - 23520	Water Depth: 174
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17210 / 17207	DEF AT faunal change (no faunal increase)	DEF AT 3
17240 / 17237	DEF AT turbid water facies	POS AT 3
17400 / 17397	DEF AT turbid water facies	POS AT 3
17430 / 17427	DEF AT Arenaceous fauna (local marker)	DEF AT 3
17460 / 17457	DEF AT faunal change (no faunal increase)	DEF AT 3
17490 / 17487	DEF AT turbid water facies	POS AT 3
17520 / 17517	DEF AT faunal change (no faunal increase)	DEF AT 3
17610 / 17607	DEF AT turbid water facies	POS AT 3
17640 / 17637	DEF AT faunal change (no faunal increase)	DEF AT 3
17650 / 17647	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 3
17830 / 17827	DEF AT turbid water facies	POS AT 3
17880 / 17877	DEF AT faunal change (no faunal increase)	DEF IN 3
17940 / 17937	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
17970 / 17967	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
18030 / 18027	DEF AT faunal change (no faunal increase)	DEF AT 4
18060 / 18057	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
18090 / 18087	DEF AT faunal change (no faunal increase)	DEF AT 4
18120 / 18117	DEF AT faunal change (no faunal increase)	DEF AT 3
18210 / 18207	DEF AT faunal change (no faunal increase)	DEF AT 4
18240 / 18237	DEF AT faunal change (no faunal increase)	DEF AT 3
18360 / 18357	DEF AT local marker foram increase	DEF IN 4
18390 / 18386	DEF AT faunal change (no faunal increase)	DEF AT 4
18420 / 18416	DEF AT faunal change (no faunal increase)	DEF AT 3
18450 / 18446	DEF AT turbid water facies	POS AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 239	Date of Summary: 05-JUL-2002	First Sample Examined: 15000
Lease Number: G22754	Source of Paleo: OPERATOR	Borehole MD: 23607
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23601
API Well Number: 177164029800	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 1 of 2	Sample Range: 15000 - 23520	Water Depth: 174
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18540 / 18536	DEF AT faunal change (no faunal increase)	DEF AT 3
18600 / 18596	DEF AT local marker foram increase	DEF AT 4
18660 / 18656	DEF AT faunal change (no faunal increase)	DEF AT 3
18690 / 18686	DEF AT local marker foram increase	DEF AT 4
18750 / 18746	DEF AT turbid water facies	POS AT 4
18780 / 18776	DEF AT faunal change (no faunal increase)	DEF AT 3
18810 / 18806	DEF AT local marker foram increase	DEF AT 3
18900 / 18896	DEF AT turbid water facies	POS AT 3
18930 / 18926	DEF AT out-of-place section	DEF AT 3
19050 / 19046	DEF IN Upper Miocene (Tortonian) Globorotalia languaensis	DEF IN 2
19200 / 19195	DEF AT faunal change (no faunal increase)	DEF AT 3
19620 / 19615	DEF AT faunal change (no faunal increase)	DEF AT 4
19680 / 19675	DEF AT local marker foram increase	DEF AT 4
19710 / 19705	DEF AT faunal change (no faunal increase)	DEF AT 4
19740 / 19735	DEF AT foram flood	DEF IN 4
19830 / 19825	DEF AT faunal change (no faunal increase)	DEF IN 4
19860 / 19855	DEF AT faunal change (no faunal increase)	DEF AT 4
19890 / 19885	DEF AT faunal change (no faunal increase)	DEF AT 3
20040 / 20035	DEF AT local marker foram increase	DEF AT 4
20070 / 20065	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
20130 / 20125	DEF AT sample gap top	DEF AT 3
20160 / 20155	DEF AT sample gap bottom	DEF AT 3
20280 / 20275	DEF AT faunal change (no faunal increase)	DEF AT 4
20310 / 20305	DEF AT local marker foram increase	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 239	Date of Summary: 05-JUL-2002	First Sample Examined: 15000
Lease Number: G22754	Source of Paleo: OPERATOR	Borehole MD: 23607
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23601
API Well Number: 177164029800	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 1 of 2	Sample Range: 15000 - 23520	Water Depth: 174
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
20340 / 20335	DEF AT faunal change (no faunal increase)	DEF AT 4
20400 / 20395	DEF AT faunal change (no faunal increase)	DEF AT 3
20430 / 20425	DEF AT faunal change (no faunal increase)	DEF AT 4
20550 / 20545	DEF AT faunal change (no faunal increase)	DEF AT 3
20610 / 20605	DEF AT foram flood	DEF AT 4
20640 / 20635	DEF AT faunal change (no faunal increase)	DEF AT 3
20730 / 20725	DEF AT faunal change (no faunal increase)	DEF AT 4
20850 / 20845	DEF AT local marker foram increase	DEF AT 4
21090 / 21085	DEF AT foram flood	DEF IN 4
21120 / 21115	DEF AT faunal change (no faunal increase)	DEF AT 4
21240 / 21235	DEF AT local marker (general)	DEF AT 4
21330 / 21325	DEF AT foram flood	DEF IN 4
21419 / 21414	POS AT reworked material	DEF IN 4
21420 / 21415	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
21480 / 21475	DEF AT faunal change (no faunal increase)	DEF IN 4
21750 / 21745	DEF AT faunal change (no faunal increase)	DEF AT 4
21960 / 21955	DEF AT turbid water facies	POS AT 4
21990 / 21985	DEF AT faunal change (no faunal increase)	DEF AT 3
22050 / 22045	DEF AT faunal change (no faunal increase)	DEF AT 3
22469 / 22464	POS AT reworked material	DEF AT 3
22470 / 22465	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
22710 / 22705	DEF AT local marker foram increase	DEF AT 4
22740 / 22735	DEF AT faunal change (no faunal increase)	DEF AT 4
22830 / 22825	DEF AT faunal change (no faunal increase)	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 239	Date of Summary: 05-JUL-2002	First Sample Examined: 15000
Lease Number: G22754	Source of Paleo: OPERATOR	Borehole MD: 23607
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23601
API Well Number: 177164029800	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 1 of 2	Sample Range: 15000 - 23520	Water Depth: 174
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22860 / 22855	DEF AT faunal change (no faunal increase)	DEF AT 4
22890 / 22885	DEF AT local marker foram increase	DEF IN 4
22891 / 22886	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
22919 / 22914	POS IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
22920 / 22915	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
23010 / 23005	DEF AT faunal change (no faunal increase)	DEF AT 4
23400 / 23395	DEF AT foram flood	DEF AT 4
23520 / 23515	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 239	Date of Summary: 01-OCT-2002	First Sample Examined: 15000
Lease Number: G22754	Source of Paleo: OPERATOR	Borehole MD: 23607
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23601
API Well Number: 177164029800	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 2 of 2	Sample Range: 15000 - 23520	Water Depth: 174
Public Info Code: Y 31-JUL-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Fergana Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
15000 / 14998	DEF AT first sample examined	DEF AT
15090 / 15088	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15480 / 15478	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
15690 / 15688	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
16170 / 16167	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
17200 / 17197	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
18720 / 18716	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
18840 / 18836	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18930 / 18926	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19380 / 19375	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19620 / 19615	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20760 / 20755	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
21330 / 21325	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21450 / 21445	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
21630 / 21625	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
22770 / 22765	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23520 / 23515	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: ST 291	Date of Summary: 03-DEC-1996	First Sample Examined: 0
Lease Number: G16454	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15830
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 12850
API Well Number: 177164021800	Drilling Operator: CAIRN ENERGY USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 390
Public Info Code: Y 14-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7330 / 7328	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
12010 / 10520	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
14710 / 12138	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
14950 / 12286	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 68	Date of Summary: 02-JUN-1997	First Sample Examined: 0
Lease Number: G08765	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12831
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12831
API Well Number: 608164028200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 98
Public Info Code: Y 09-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5020 / 5020	POS AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT
8170 / 8170	POS AT Upper (Late) Cretaceous	DEF AT
10275 / 10275	POS AT Lower (Early) Cretaceous	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 68	Date of Summary: 24-JUL-1997	First Sample Examined: 0
Lease Number: G08765	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15396
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 15396
API Well Number: 608164028500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 98
Public Info Code: Y 12-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8242 / 8242	DEF AT Upper (Late) Cretaceous	DEF AT
10300 / 10300	DEF AT Lower (Early) Cretaceous	DEF AT
13800 / 13799	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
15061 / 15060	DEF AT Lower Cretaceous James Formation	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 114	Date of Summary: 23-JUN-1998	First Sample Examined: 0
Lease Number: G16536	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15500
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 15500
API Well Number: 608164029000	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 121
Public Info Code: Y 18-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15128 / 15126	DEF IN Lower Cretaceous James Formation	DEF AT 0

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 114	Date of Summary: 01-AUG-2000	First Sample Examined: 0
Lease Number: G16536	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16317
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 15275
API Well Number: 608164036400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 137
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 111
Public Info Code: Y 18-OCT-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
14722 / 13711	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 0
15040 / 14022	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT 0
15331 / 14307	DEF AT Lower Cretaceous Rodessa Formation	DEF AT 0
15834 / 14800	DEF AT Lower Cretaceous James Formation	DEF AT 0

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 114	Date of Summary: 07-JAN-2000	First Sample Examined: 0
Lease Number: G19893	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16530
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 15496
API Well Number: 608164035100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 133
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 111
Public Info Code: Y 16-NOV-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14542 / 13685	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 0
14901 / 14016	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT 0
15212 / 14304	DEF AT Lower Cretaceous Rodessa Formation	DEF AT 0
15713 / 14762	DEF AT Lower Cretaceous James Formation	DEF AT 0
16308 / 15297	DEF AT Lower Cretaceous Sligo (Pettet) Formation	DEF AT 0

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 206	Date of Summary: 17-APR-2001	First Sample Examined: 0
Lease Number: G13980	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15410
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 14781
API Well Number: 608164037701	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 122
Public Info Code: Y 25-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7985 / 7767	DEF AT Cretaceous	DEF AT 0
9990 / 9767	DEF AT Lower (Early) Cretaceous	DEF AT 0
14917 / 14406	DEF IN Lower Cretaceous James Formation	DEF AT 0

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 207	Date of Summary: 17-JUN-1996	First Sample Examined: 0
Lease Number: G13980	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15875
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14579
API Well Number: 608164025900	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 123
Public Info Code: Y 12-JUN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
10470 / 9716	DEF AT Lower (Early) Cretaceous	DEF AT
13373 / 12306	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
14295 / 13159	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
14772 / 13612	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
15033 / 13855	DEF AT Lower Cretaceous Rodessa Formation	DEF AT
15645 / 14393	DEF AT Lower Cretaceous James Formation	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 208	Date of Summary: 11-MAR-1996	First Sample Examined: 0
Lease Number: G13981	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14750
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 14749
API Well Number: 608164023100	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 118
Public Info Code: Y 01-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7472 / 7472	DEF AT Upper (Late) Cretaceous	DEF AT
9522 / 9522	DEF AT Lower (Early) Cretaceous	DEF AT
12180 / 12179	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
13052 / 13051	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
13436 / 13435	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
13760 / 13759	DEF AT Lower Cretaceous Rodessa Formation	DEF AT
14324 / 14323	DEF AT Lower Cretaceous James Formation	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 252	Date of Summary: 05-SEP-2000	First Sample Examined: 0
Lease Number: G13981	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16127
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14757
API Well Number: 608164020700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 120
Public Info Code: Y 18-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15580 / 14338	DEF AT Lower Cretaceous James Formation	DEF AT 0

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 734	Date of Summary: 30-SEP-1997	First Sample Examined: 9360
Lease Number: G13672	Source of Paleo: OPERATOR	Borehole MD: 14200
Well Name: A001	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 13863
API Well Number: 608164029300	Drilling Operator: EXXONMOBIL OIL CORPORATION	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 9360 - 14200	Water Depth: 320
Public Info Code: Y 11-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9360 / 9360	DEF AT first sample examined	DEF AT 5
9690 / 9690	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 5
9840 / 9840	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
10500 / 10499	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
12180 / 12069	DEF AT poor sample interval top	DEF AT 5
12870 / 12676	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14199 / 13863	DEF AT poor sample interval bottom	DEF AT 5
14200 / 13864	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 741	Date of Summary: 04-MAR-1996	First Sample Examined: 8010
Lease Number: G13059	Source of Paleo: OPERATOR	Borehole MD: 11800
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11800
API Well Number: 608164023300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8010 - 11800	Water Depth: 689
Public Info Code: Y 30-MAR-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
8010 / 8009	DEF AT first sample examined	DEF AT
8011 / 8010	POS IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8190 / 8189	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
8280 / 8279	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
8370 / 8369	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
8790 / 8789	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
9240 / 9239	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
9570 / 9569	DEF AT floral flood	DEF AT
10110 / 10108	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
10350 / 10348	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
11460 / 11458	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
11520 / 11518	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
11670 / 11668	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
11700 / 11698	DEF AT out-of-place section	DEF AT
11800 / 11798	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 741	Date of Summary: 26-MAR-1996	First Sample Examined: 8010
Lease Number: G13059	Source of Paleo: OPERATOR	Borehole MD: 11800
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11800
API Well Number: 608164023300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8010 - 11800	Water Depth: 689
Public Info Code: Y 30-MAR-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 8009	DEF AT first sample examined	DEF IN 4
8040 / 8039	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
8070 / 8069	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
8100 / 8099	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
8130 / 8129	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 4
8160 / 8159	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
8370 / 8369	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
8430 / 8429	POS IN Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
8460 / 8459	DEF AT faunal change (no faunal increase)	DEF AT 4
8610 / 8609	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 4
8640 / 8639	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 4
8730 / 8729	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
9090 / 9089	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
9180 / 9179	DEF AT limestone	DEF IN 4
9390 / 9389	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
9570 / 9569	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
9780 / 9778	DEF AT faunal change (no faunal increase)	DEF IN 4
10020 / 10018	DEF AT - - - - -	DEF IN 3
10110 / 10108	DEF AT - - - - -	DEF AT 4
10200 / 10198	DEF AT - - - - -	DEF IN 4
10290 / 10288	DEF AT - - - - -	DEF AT 4
10320 / 10318	DEF AT pyrite	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 741	Date of Summary: 26-MAR-1996	First Sample Examined: 8010
Lease Number: G13059	Source of Paleo: OPERATOR	Borehole MD: 11800
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11800
API Well Number: 608164023300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8010 - 11800	Water Depth: 689
Public Info Code: Y 30-MAR-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10500 / 10498	DEF AT -----	DEF AT 5
10530 / 10528	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
10620 / 10618	DEF AT -----	DEF IN 4
10680 / 10678	DEF AT -----	DEF AT 5
10890 / 10888	DEF AT local marker foram increase	DEF AT 5
11040 / 11038	DEF AT -----	DEF AT 4
11160 / 11158	DEF AT -----	DEF IN 4
11220 / 11218	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF IN 4
11250 / 11248	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
11280 / 11278	DEF AT -----	DEF IN 5
11310 / 11308	DEF AT foram flood	DEF IN 5
11430 / 11428	DEF AT -----	DEF AT 5
11460 / 11458	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
11638 / 11636	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
11639 / 11637	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
11640 / 11638	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
11669 / 11667	DEF AT out-of-place section	DEF AT 5
11670 / 11668	DEF AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF AT 5
11671 / 11669	POS IN Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 5
11800 / 11798	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 742	Date of Summary: 31-JUL-1997	First Sample Examined: 2350
Lease Number: G13988	Source of Paleo: OPERATOR	Borehole MD: 11064
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10595
API Well Number: 608164028900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 2350 - 11064	Water Depth: 1004
Public Info Code: Y 07-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
2350 / 2350	DEF AT first sample examined	DEF AT 4
2351 / 2351	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
2380 / 2380	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
2590 / 2590	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
3010 / 3010	DEF AT local marker foram increase	POS AT 4
3160 / 3160	DEF AT faunal change (no faunal increase)	DEF IN 3
3190 / 3190	DEF AT faunal change (no faunal increase)	POS AT 4
3220 / 3220	DEF AT faunal change (no faunal increase)	POS IN 3
3248 / 3248	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
3249 / 3249	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 4
3250 / 3250	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 4
3400 / 3400	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
3520 / 3520	DEF AT local marker planktic foram increase	DEF AT 4
4030 / 4030	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 4
4120 / 4120	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
4150 / 4150	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
4240 / 4240	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 4
4960 / 4960	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
5440 / 5440	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
5800 / 5800	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
5830 / 5830	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
5860 / 5860	DEF AT limestone	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 742	Date of Summary: 31-JUL-1997	First Sample Examined: 2350
Lease Number: G13988	Source of Paleo: OPERATOR	Borehole MD: 11064
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10595
API Well Number: 608164028900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 2350 - 11064	Water Depth: 1004
Public Info Code: Y 07-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
5950 / 5950	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
6010 / 6010	DEF AT local marker benthic foram increase	DEF AT 4
6130 / 6130	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
6280 / 6280	DEF AT Cyclammina sp. (local marker)	DEF AT 4
6550 / 6548	DEF AT faunal change (no faunal increase)	DEF IN 3
6670 / 6666	DEF AT faunal change (no faunal increase)	DEF AT 4
6730 / 6725	DEF AT local marker foram increase	DEF AT 4
6760 / 6754	DEF AT local marker benthic foram increase	DEF AT 4
7090 / 7073	DEF AT faunal change (no faunal increase)	DEF IN 3
7240 / 7214	DEF AT faunal change (no faunal increase)	POS AT 4
7270 / 7241	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 3
7810 / 7726	DEF AT faunal change (no faunal increase)	DEF AT 3
8080 / 7964	DEF AT Arenaceous fauna (local marker)	DEF AT 3
8170 / 8043	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 3
8260 / 8123	POS AT Upper Miocene (Tortonian) Bigenerina "B"	DEF IN 3
8350 / 8203	POS IN Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 3
8440 / 8284	DEF AT faunal change (no faunal increase)	DEF AT 4
8470 / 8311	DEF AT faunal change (no faunal increase)	DEF IN 3
8560 / 8391	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 3
9130 / 8896	POS AT local marker planktic foram increase	DEF IN 3
9250 / 9002	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
9340 / 9081	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
9430 / 9161	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
9610 / 9319	DEF AT faunal change (no faunal increase)	DEF IN 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 742	Date of Summary: 31-JUL-1997	First Sample Examined: 2350
Lease Number: G13988	Source of Paleo: OPERATOR	Borehole MD: 11064
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10595
API Well Number: 608164028900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 2350 - 11064	Water Depth: 1004
Public Info Code: Y 07-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9970 / 9636	DEF AT local marker foram increase	DEF AT 4
10060 / 9715	DEF AT faunal change (no faunal increase)	DEF IN 3
10239 / 9872	DEF AT local marker benthic foram increase	DEF IN 3
10240 / 9873	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
10270 / 9899	DEF AT faunal change (no faunal increase)	DEF AT 4
10480 / 10083	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
10630 / 10214	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
10660 / 10240	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
10900 / 10451	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
11020 / 10556	DEF AT limestone	DEF AT 5
11064 / 10595	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 742	Date of Summary: 14-AUG-1997	First Sample Examined: 2350
Lease Number: G13988	Source of Paleo: OPERATOR	Borehole MD: 11064
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10595
API Well Number: 608164028900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 2350 - 11064	Water Depth: 1004
Public Info Code: Y 07-SEP-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2350 / 2350	DEF AT first sample examined	DEF AT
2351 / 2351	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
2410 / 2410	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
2590 / 2590	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
2650 / 2650	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
3310 / 3310	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
3430 / 3430	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
3550 / 3550	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
4090 / 4090	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
4870 / 4870	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
5050 / 5050	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
5710 / 5710	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
5890 / 5890	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6010 / 6010	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7030 / 7016	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
7330 / 7297	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8170 / 8043	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
8230 / 8097	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
8350 / 8203	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
8950 / 8738	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
9250 / 9002	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
9430 / 9161	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 742	Date of Summary: 14-AUG-1997	First Sample Examined: 2350
Lease Number: G13988	Source of Paleo: OPERATOR	Borehole MD: 11064
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10595
API Well Number: 608164028900	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 2350 - 11064	Water Depth: 1004
Public Info Code: Y 07-SEP-2007	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10270 / 9899	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
10330 / 9951	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
10510 / 10109	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
10930 / 10477	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
10990 / 10530	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
11064 / 10595	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 742	Date of Summary: 10-SEP-1997	First Sample Examined: 5600
Lease Number: G13988	Source of Paleo: OPERATOR	Borehole MD: 12925
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9756
API Well Number: 608164028901	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 5600 - 12925	Water Depth: 1004
Public Info Code: Y 01-OCT-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5600 / 5600	DEF AT first sample examined	DEF AT
5601 / 5601	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
5780 / 5780	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6320 / 6314	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
6740 / 6712	DEF AT local marker floral increase	DEF AT
6800 / 6768	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7220 / 7147	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
7340 / 7249	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
7520 / 7396	DEF AT floral flood	DEF AT
8300 / 7959	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
8360 / 7997	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
8420 / 8034	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
8600 / 8138	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
9260 / 8419	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
10400 / 8839	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10520 / 8882	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
11240 / 9139	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
11540 / 9251	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
11600 / 9273	DEF AT Middle Miocene (Serravallian) Discoaster divaricatus	DEF AT
11840 / 9359	DEF AT floral flood	DEF AT
12320 / 9531	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
12925 / 9756	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 742	Date of Summary: 17-SEP-1997	First Sample Examined: 5600
Lease Number: G13988	Source of Paleo: OPERATOR	Borehole MD: 12925
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9756
API Well Number: 608164028901	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 5600 - 12925	Water Depth: 1004
Public Info Code: Y 01-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5660 / 5660	DEF AT first sample examined	DEF AT 3
5690 / 5690	POS IN Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 4
5839 / 5839	DEF AT limestone	DEF IN 3
5840 / 5840	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 3
6020 / 6019	DEF AT local marker foram increase	DEF IN 3
6200 / 6197	DEF AT local marker foram increase	DEF AT 3
6740 / 6712	DEF AT local marker foram increase	DEF IN 3
6860 / 6824	DEF AT limestone	DEF IN 3
6890 / 6851	DEF AT local marker benthic foram increase	DEF IN 3
6920 / 6879	DEF AT faunal change (no faunal increase)	DEF AT 3
7310 / 7224	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
7520 / 7396	POS AT Arenaceous fauna (local marker)	DEF AT 3
7820 / 7624	DEF AT Arenaceous fauna (local marker)	DEF AT 3
8180 / 7879	DEF AT faunal change (no faunal increase)	DEF IN 2
8240 / 7919	DEF AT faunal change (no faunal increase)	DEF AT 3
8270 / 7939	DEF AT faunal change (no faunal increase)	DEF IN 3
8300 / 7959	DEF AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF IN 3
8420 / 8034	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF IN 3
8630 / 8154	DEF AT local marker foram increase	POS AT 4
8690 / 8186	DEF AT faunal change (no faunal increase)	DEF IN 3
8810 / 8245	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
8840 / 8258	DEF AT faunal change (no faunal increase)	DEF IN 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 742	Date of Summary: 17-SEP-1997	First Sample Examined: 5600
Lease Number: G13988	Source of Paleo: OPERATOR	Borehole MD: 12925
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9756
API Well Number: 608164028901	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 5600 - 12925	Water Depth: 1004
Public Info Code: Y 01-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
9110 / 8366	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 3
9260 / 8419	DEF AT faunal change (no faunal increase)	DEF AT 3
10460 / 8860	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF IN 3
10490 / 8871	DEF AT faunal change (no faunal increase)	POS AT 4
10640 / 8924	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
10760 / 8966	DEF AT faunal change (no faunal increase)	DEF IN 3
12110 / 9455	DEF AT faunal change (no faunal increase)	DEF AT 3
12170 / 9476	DEF AT faunal change (no faunal increase)	DEF IN 3
12230 / 9498	DEF AT faunal change (no faunal increase)	DEF AT 3
12320 / 9531	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 3
12470 / 9586	DEF AT faunal change (no faunal increase)	DEF IN 3
12500 / 9597	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
12620 / 9642	DEF AT local marker foram increase	DEF AT 4
12710 / 9675	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 4
12770 / 9698	DEF AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	DEF AT 4
12860 / 9732	DEF AT limestone	DEF AT 4
12925 / 9756	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 780	Date of Summary: 24-JAN-1996	First Sample Examined: 8000
Lease Number: G06884	Source of Paleo: OPERATOR	Borehole MD: 14600
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 13563
API Well Number: 608164021200	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 8000 - 14600	Water Depth: 970
Public Info Code: Y 07-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
8000 / 8000	DEF AT first sample examined	DEF AT 4
8180 / 8180	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
9260 / 9260	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
9530 / 9530	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
9770 / 9769	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
9860 / 9858	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
10460 / 10447	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
10550 / 10534	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
10730 / 10705	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
12650 / 12173	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
13700 / 12898	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 4
14420 / 13427	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
14600 / 13563	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 780	Date of Summary: 24-JAN-1996	First Sample Examined: 9300
Lease Number: G06884	Source of Paleo: OPERATOR	Borehole MD: 15547
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 12540
API Well Number: 608164021201	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 9300 - 15840	Water Depth: 960
Public Info Code: Y 14-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, 10500=Gyroidina scalata

MD / TVD	Paleo Top Description	Ecozone
9300 / 9300	DEF AT first sample examined	DEF AT 4
9840 / 9832	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
9870 / 9861	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
10410 / 10331	POS AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 3
10470 / 10379	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
10500 / 10402	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
10770 / 10606	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
11040 / 10790	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
12450 / 11453	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 3
13110 / 11685	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
15840 /	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 780	Date of Summary: 24-JUN-1996	First Sample Examined: 0
Lease Number: G06884	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11252
Well Name: A006	Paleo Done By: OPERATOR	Borehole TVD: 10997
API Well Number: 608164026100	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 970
Public Info Code: Y 19-JUN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10859 / 10689	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 783	Date of Summary: 08-SEP-1997	First Sample Examined: 0
Lease Number: G06886	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11790
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 10106
API Well Number: 608164022301	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1450
Public Info Code: Y 12-SEP-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8770 / 8769	DEF IN Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
10577 / 9843	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 783	Date of Summary: 08-SEP-1997	First Sample Examined: 0
Lease Number: G06886	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16512
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 10384
API Well Number: 608164022501	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1451
Public Info Code: Y 07-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9446 / 8195	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
12424 / 9992	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 786	Date of Summary: 25-JUL-1995	First Sample Examined: 3160
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 10854
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10850
API Well Number: 608164021100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 3160 - 10854	Water Depth: 1754
Public Info Code: Y 13-AUG-2005	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3160 / 3156	DEF AT first sample examined	DEF AT
3161 / 3157	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
3280 / 3276	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
3400 / 3396	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
3520 / 3516	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
3640 / 3636	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
3700 / 3696	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
4180 / 4176	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
4240 / 4236	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
4540 / 4536	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
5140 / 5136	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
5260 / 5256	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
5620 / 5616	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
5980 / 5976	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6820 / 6816	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
7180 / 7176	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
7240 / 7236	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8380 / 8376	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
8440 / 8436	DEF AT floral flood	DEF AT
8500 / 8496	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
8860 / 8856	DEF AT local marker floral increase	DEF AT
9160 / 9156	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 786	Date of Summary: 25-JUL-1995	First Sample Examined: 3160
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 10854
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10850
API Well Number: 608164021100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 3160 - 10854	Water Depth: 1754
Public Info Code: Y 13-AUG-2005	Ecozone Eq MMS:	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9340 / 9336	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10120 / 10116	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
10854 / 10850	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 786	Date of Summary: 25-AUG-1995	First Sample Examined: 3160
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 10854
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10850
API Well Number: 608164021100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 3160 - 10854	Water Depth: 1754
Public Info Code: Y 13-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
3160 / 3156	DEF AT first sample examined	DEF AT 5
3161 / 3157	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
3280 / 3276	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
3400 / 3396	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
3490 / 3486	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 4
3550 / 3546	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
3670 / 3666	DEF AT foram flood	DEF AT 5
3760 / 3756	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 4
4120 / 4116	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF IN 4
4180 / 4176	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 4
4540 / 4536	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
4750 / 4746	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
5080 / 5076	DEF AT faunal change (no faunal increase)	DEF IN 3
5110 / 5106	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 3
5260 / 5256	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
5290 / 5286	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
5560 / 5556	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 3
5830 / 5826	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 3
5950 / 5946	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 3
6010 / 6006	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 3
6310 / 6306	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
6370 / 6366	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 786	Date of Summary: 25-AUG-1995	First Sample Examined: 3160
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 10854
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10850
API Well Number: 608164021100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 3160 - 10854	Water Depth: 1754
Public Info Code: Y 13-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6400 / 6396	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
7000 / 6996	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 3
7150 / 7146	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF IN 3
7240 / 7236	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 3
7390 / 7386	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 3
7810 / 7806	DEF AT local marker benthic foram increase	DEF AT 3
7840 / 7836	DEF AT local marker planktic foram increase	DEF AT 3
8020 / 8016	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 2
8170 / 8166	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 2
8260 / 8256	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 3
8380 / 8376	DEF AT Arenaceous fauna (local marker)	DEF AT 3
8440 / 8436	DEF AT local marker planktic foram increase	DEF AT 3
8530 / 8526	DEF AT Upper Miocene (Tortonian) Textularia "G"	DEF AT 4
8590 / 8586	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
8680 / 8676	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 3
8950 / 8946	DEF AT Upper Miocene (Tortonian) Globorotalia siakensis	DEF AT 3
9100 / 9096	DEF AT local marker deep water fauna	DEF IN 3
9190 / 9186	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9280 / 9276	DEF AT local marker benthic foram increase	DEF AT 4
9340 / 9336	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
9580 / 9576	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
9670 / 9666	DEF AT faunal change (no faunal increase)	DEF AT 3
9940 / 9936	DEF AT Eggerella sp. (local marker)	DEF IN 3
10000 / 9996	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 786	Date of Summary: 25-AUG-1995	First Sample Examined: 3160
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 10854
Well Name: A001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10850
API Well Number: 608164021100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 3160 - 10854	Water Depth: 1754
Public Info Code: Y 13-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10090 / 10086	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF IN 4
10570 / 10566	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
10599 / 10595	DEF AT foram flood	DEF AT 5
10600 / 10596	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 5
10689 / 10685	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
10690 / 10686	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
10750 / 10746	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
10809 / 10805	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
10810 / 10806	POS AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
10854 / 10850	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 786	Date of Summary: 15-JAN-1996	First Sample Examined: 5356
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 11554
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10487
API Well Number: 608164022600	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 5356 - 11546	Water Depth: 1754
Public Info Code: Y 17-JAN-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Petronius Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5356 / 5356	DEF AT first sample examined	DEF AT
5357 / 5357	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
5656 / 5655	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
6016 / 6003	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
6196 / 6169	DEF AT sample gap top	DEF AT
6666 / 6573	DEF AT sample gap bottom	DEF AT
7026 / 6866	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
7446 / 7201	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8886 / 8352	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
9126 / 8543	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
9586 / 8906	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
9646 / 8954	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10126 / 9332	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10606 / 9713	DEF AT local marker floral decrease	DEF AT
10726 / 9807	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
10946 / 9983	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
11146 / 10146	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
11336 / 10304	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
11396 / 10354	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
11456 / 10405	DEF AT local marker floral decrease	DEF AT
11545 / 10480	DEF AT reworked material	DEF AT
11546 / 10481	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 786	Date of Summary: 17-JAN-1996	First Sample Examined: 5356
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 11554
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10487
API Well Number: 608164022600	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 5356 - 11546	Water Depth: 1754
Public Info Code: Y 17-JAN-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Petronius Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5356 / 5356	DEF AT first sample examined	DEF AT 4
5357 / 5357	DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 4
5416 / 5416	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
5596 / 5595	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
5626 / 5625	DEF AT local marker benthic foram increase	DEF AT 3
5656 / 5655	DEF AT faunal change (no faunal increase)	DEF IN 3
6016 / 6003	POS AT reworked material	DEF IN 3
6166 / 6142	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 3
6196 / 6169	DEF AT sample gap top	POS IN 3
6666 / 6573	DEF AT sample gap bottom	DEF IN 3
7026 / 6866	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
7056 / 6890	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 3
7266 / 7058	DEF AT local marker benthic foram increase	DEF IN 3
8896 / 8360	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 3
9106 / 8527	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 3
9586 / 8906	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
9646 / 8954	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 3
9766 / 9048	DEF AT faunal change (no faunal increase)	DEF IN 3
9796 / 9071	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10736 / 9815	DEF AT glauconite	DEF AT 4
10766 / 9839	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
10826 / 9886	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 786	Date of Summary: 17-JAN-1996	First Sample Examined: 5356
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 11554
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10487
API Well Number: 608164022600	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 5356 - 11546	Water Depth: 1754
Public Info Code: Y 17-JAN-2006	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10856 / 9910	DEF AT shell fragments	DEF IN 4
10886 / 9934	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 4
10946 / 9983	DEF AT foram flood	DEF AT 5
10976 / 10007	DEF AT out-of-place section	DEF AT 5
11005 / 10031	DEF AT limestone	DEF AT 5
11006 / 10032	DEF AT foram flood	DEF AT 5
11007 / 10032	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
11246 / 10229	DEF AT local marker foram decrease	DEF AT 5
11275 / 10253	POS AT reworked material	POS AT 5
11276 / 10254	POS AT Upper (Late) Cretaceous	POS AT 5
11306 / 10279	DEF AT limestone	DEF AT 5
11366 / 10329	DEF AT limestone	DEF AT 5
11546 / 10481	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 786	Date of Summary: 02-FEB-1996	First Sample Examined: 5500
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 14050
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11324
API Well Number: 608164022601	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 5500 - 14020	Water Depth: 1754
Public Info Code: Y 19-FEB-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Petronius Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5500 / 5500	DEF AT first sample examined	DEF AT
5501 / 5501	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
5620 / 5619	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
6100 / 6087	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
7120 / 6972	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7540 / 7256	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8980 / 8166	DEF AT local marker floral decrease	DEF AT
9520 / 8514	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10360 / 9059	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
10420 / 9098	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10660 / 9251	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10960 / 9441	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
12040 / 10113	DEF AT local marker floral decrease	DEF AT
12639 / 10466	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
12640 / 10466	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
13000 / 10680	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
13840 / 11198	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
14020 / 11306	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 786	Date of Summary: 07-FEB-1996	First Sample Examined: 5500
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 14050
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11324
API Well Number: 608164022601	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 5500 - 14050	Water Depth: 1754
Public Info Code: Y 19-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Petronius Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5500 / 5500	DEF AT first sample examined	DEF AT 3
5501 / 5501	DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
5619 / 5618	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 3
5620 / 5619	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 3
5680 / 5679	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 3
5830 / 5826	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 3
6070 / 6058	DEF AT local marker benthic foram increase	DEF IN 3
6100 / 6087	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 3
6550 / 6505	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
6940 / 6833	DEF AT Cyclammina sp. (local marker)	DEF AT 3
7240 / 7059	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 3
7330 / 7119	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 3
7540 / 7256	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 3
9220 / 8320	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 3
9490 / 8495	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF IN 3
9610 / 8573	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 3
10450 / 9117	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
10630 / 9232	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 3
11320 / 9680	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
12530 / 10401	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 3
12899 / 10620	DEF AT pyrite	DEF AT 3
12900 / 10620	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 786	Date of Summary: 07-FEB-1996	First Sample Examined: 5500
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 14050
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11324
API Well Number: 608164022601	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 5500 - 14050	Water Depth: 1754
Public Info Code: Y 19-FEB-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13039 / 10704	DEF AT pyrite	DEF AT 3
13040 / 10705	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
13260 / 10842	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
13280 / 10854	POS IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
13300 / 10867	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF IN 4
13740 / 11137	DEF AT foram flood	DEF AT 5
13820 / 11185	DEF AT local marker planktic foram increase	DEF AT 5
13840 / 11198	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
13860 / 11210	DEF AT limestone	DEF AT 5
14050 / 11325	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 786	Date of Summary: 11-MAR-1996	First Sample Examined: 8010
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 16695
Well Name: A003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11085
API Well Number: 608164022700	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 8010 - 16700	Water Depth: 1754
Public Info Code: Y 30-MAR-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
8010 / 6437	DEF AT first sample examined	DEF AT
8011 / 6437	DEF IN floral flood	DEF AT
8012 / 6438	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
8250 / 6569	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
8730 / 6828	POS AT local marker floral decrease	DEF AT
8790 / 6859	DEF AT floral flood	DEF AT
9500 / 7231	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10770 / 7898	POS AT local marker floral decrease	DEF AT
12030 / 8574	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13200 / 9201	DEF AT Upper Miocene (Tortonian) Catinaster coalitus (very rare)	DEF AT
13260 / 9232	POS AT local marker floral decrease	DEF AT
13680 / 9455	DEF AT floral flood	DEF AT
13920 / 9588	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14940 / 10133	DEF AT local marker floral decrease	DEF AT
15120 / 10231	DEF AT floral flood	DEF AT
15360 / 10363	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
15420 / 10396	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15540 / 10462	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16140 / 10787	DEF AT local marker floral decrease	DEF AT
16700 /	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 786	Date of Summary: 18-MAR-1996	First Sample Examined: 8010
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 16695
Well Name: A003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11085
API Well Number: 608164022700	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 8010 - 16700	Water Depth: 1754
Public Info Code: Y 30-MAR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 6437	DEF AT first sample examined	DEF AT 3
8011 / 6437	DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 3
8130 / 6503	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
9540 / 7252	DEF IN Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 3
9570 / 7268	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
9660 / 7316	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 3
10320 / 7664	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF IN 3
11340 / 8199	DEF AT faunal change (no faunal increase)	DEF AT 3
11880 / 8492	DEF AT Eggerella sp. (local marker)	DEF AT 3
12330 / 8737	DEF AT Upper Miocene (Tortonian) Globorotalia languaensis	DEF AT 3
13890 / 9572	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
14070 / 9670	DEF AT local marker benthic foram increase	DEF AT 3
15540 / 10462	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
15900 / 10657	DEF AT faunal change (no faunal increase)	DEF AT 4
16700 /	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 817	Date of Summary: 15-DEC-1995	First Sample Examined: 0
Lease Number: G09743	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5850
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 4723
API Well Number: 608164021500	Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC	Rkb Elevation: 145
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 670
Public Info Code: Y 12-DEC-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4569 / 3870	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
4962 / 4131	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 817	Date of Summary: 04-MAR-1996	First Sample Examined: 0
Lease Number: G09743	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 4937
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 4662
API Well Number: 608164023000	Drilling Operator: FLEXTREND DEVELOPMENT COMPANY LLC	Rkb Elevation: 145
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 670
Public Info Code: Y 24-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4016 / 3941	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
4321 / 4178	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 823	Date of Summary: 06-MAY-1997	First Sample Examined: 3105
Lease Number: G10942	Source of Paleo: OPERATOR	Borehole MD: 13312
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13308
API Well Number: 608164028100	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 71
Paleo Report Num: 1 of 2	Sample Range: 3105 - 13312	Water Depth: 1132
Public Info Code: Y 01-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
3105 / 3105	DEF AT first sample examined	DEF AT 5
3280 / 3280	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
3640 / 3640	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
3850 / 3850	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
3880 / 3880	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
5410 / 5410	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
5740 / 5740	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
5770 / 5770	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
6760 / 6760	DEF AT - - - - -	DEF AT 5
7720 / 7720	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
8200 / 8200	DEF AT - - - - -	DEF AT 4
8320 / 8320	DEF AT - - - - -	DEF AT 3
10210 / 10210	DEF AT foram flood	DEF AT 3
11020 / 11019	POS AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT 3
11650 / 11649	DEF AT - - - - -	DEF AT 4
13312 / 13308	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 823	Date of Summary: 20-MAY-1997	First Sample Examined: 7510
Lease Number: G10942	Source of Paleo: OPERATOR	Borehole MD: 13312
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13308
API Well Number: 608164028100	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 71
Paleo Report Num: 2 of 2	Sample Range: 7510 - 13312	Water Depth: 1132
Public Info Code: Y 01-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7510 / 7510	DEF AT first sample examined	DEF AT
7630 / 7630	POS IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
8769 / 8769	DEF AT condensed section	DEF AT
8770 / 8770	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10209 / 10209	DEF AT floral flood	DEF AT
10210 / 10210	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
10929 / 10928	DEF AT condensed section	DEF AT
10930 / 10929	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11349 / 11348	DEF AT floral flood	DEF AT
11350 / 11349	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
12159 / 12158	DEF AT floral flood	DEF AT
12160 / 12159	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
12340 / 12339	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
13312 / 13308	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 823	Date of Summary: 05-NOV-1997	First Sample Examined: 3150
Lease Number: G10942	Source of Paleo: OPERATOR	Borehole MD: 16440
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14838
API Well Number: 608164029100	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 3150 - 16440	Water Depth: 1132
Public Info Code: Y 28-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3150 / 3150	DEF AT first sample examined	DEF AT 5
3270 / 3270	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
3420 / 3420	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
3570 / 3570	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
3750 / 3749	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
3840 / 3838	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
5400 / 5299	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
5880 / 5709	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
5940 / 5761	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
6660 / 6377	DEF AT -----	DEF AT 5
7050 / 6708	DEF AT -----	DEF AT 4
7470 / 7064	DEF AT -----	DEF AT 3
7800 / 7344	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
8220 / 7701	DEF AT -----	DEF AT 4
8340 / 7803	DEF AT -----	DEF AT 3
10780 / 9895	DEF AT -----	DEF AT 4
11320 / 10362	DEF AT -----	DEF AT 3
11350 / 10387	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
12400 / 11287	DEF AT -----	DEF AT 4
12490 / 11363	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
12550 / 11414	DEF AT -----	DEF AT 3
13390 / 12136	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 823	Date of Summary: 05-NOV-1997	First Sample Examined: 3150
Lease Number: G10942	Source of Paleo: OPERATOR	Borehole MD: 16440
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14838
API Well Number: 608164029100	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 3150 - 16440	Water Depth: 1132
Public Info Code: Y 28-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15380 / 13868	DEF AT - - - - -	DEF AT 4
15710 / 14165	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
16390 / 14794	DEF AT - - - - -	DEF AT 5
16420 / 14822	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
16440 / 14841	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 823	Date of Summary: 05-NOV-1997	First Sample Examined: 3150
Lease Number: G10942	Source of Paleo: OPERATOR	Borehole MD: 16440
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14838
API Well Number: 608164029100	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 3150 - 16440	Water Depth: 1132
Public Info Code: Y 28-OCT-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3150 / 3150	DEF AT first sample examined	DEF AT
3151 / 3151	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
3209 / 3209	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
3210 / 3210	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
3390 / 3390	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
3570 / 3570	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
3900 / 3898	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
5010 / 4961	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
5460 / 5350	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
5880 / 5709	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
5940 / 5761	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
6900 / 6581	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
8400 / 7854	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
9510 / 8801	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10440 / 9602	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11350 / 10387	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11890 / 10851	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12182 / 11101	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT
12280 / 11184	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
12400 / 11287	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
12550 / 11414	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
13920 / 12594	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 823	Date of Summary: 05-NOV-1997	First Sample Examined: 3150
Lease Number: G10942	Source of Paleo: OPERATOR	Borehole MD: 16440
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14838
API Well Number: 608164029100	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 3150 - 16440	Water Depth: 1132
Public Info Code: Y 28-OCT-2007	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16440 / 14841	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 826	Date of Summary: 18-JUN-1997	First Sample Examined: 0
Lease Number: G06888	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12100
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 11025
API Well Number: 608164019401	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1932
Public Info Code: Y 19-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8988 / 8987	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
9558 / 9538	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
11076 / 10527	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 826	Date of Summary: 22-APR-1997	First Sample Examined: 0
Lease Number: G06888	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11275
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 10674
API Well Number: 608164021900	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1935
Public Info Code: Y 20-JAN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

MD / TVD	Paleo Top Description	Ecozone
5032 / 4964	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
5516 / 5402	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
5725 / 5594	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6082 / 5921	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
6650 / 6441	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
7936 / 7611	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8502 / 8130	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
9130 / 8702	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
11006 / 10423	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 826	Date of Summary: 24-DEC-2000	First Sample Examined: 0
Lease Number: G06888	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11610
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 9304
API Well Number: 608164022000	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1925
Public Info Code: Y 11-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

MD / TVD	Paleo Top Description	Ecozone
5936 / 5077	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
6159 / 5216	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6624 / 5503	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7852 / 6247	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
9720 / 7721	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10648 / 8501	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT
11142 / 8911	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
11251 / 9002	DEF AT Eocene	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 826	Date of Summary: 16-JUL-1997	First Sample Examined: 0
Lease Number: G06888	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7200
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 6334
API Well Number: 608164022100	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1935
Public Info Code: Y 22-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5472 / 5055	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
5704 / 5224	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
6360 / 5705	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
6711 / 5966	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 826	Date of Summary: 08-SEP-1997	First Sample Examined: 0
Lease Number: G06888	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9220
Well Name: A006	Paleo Done By: OPERATOR	Borehole TVD: 6294
API Well Number: 608164022200	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1932
Public Info Code: Y 05-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6712 / 5094	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
7169 / 5292	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
8300 / 5783	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
8733 / 5985	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 826	Date of Summary: 14-SEP-2000	First Sample Examined: 0
Lease Number: G06888	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8775
Well Name: A007	Paleo Done By: OPERATOR	Borehole TVD: 6746
API Well Number: 608164023600	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1925
Public Info Code: Y 05-APR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5939 / 5184	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
6182 / 5317	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6720 / 5612	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7976 / 6306	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 828	Date of Summary: 06-FEB-1997	First Sample Examined: 3860
Lease Number: G13060	Source of Paleo: OPERATOR	Borehole MD: 10625
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9645
API Well Number: 608164023200	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 3860 - 10610	Water Depth: 1750
Public Info Code: Y 04-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
3860 / 3860	DEF AT first sample examined	DEF AT 5
4040 / 4040	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
4190 / 4190	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
4520 / 4517	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
4640 / 4635	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
5360 / 5321	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
5780 / 5687	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
5900 / 5789	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 5
7520 / 7154	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
8270 / 7777	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
8420 / 7902	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
9170 / 8523	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 5
9710 / 8949	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
10609 / 9632	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
10610 / 9633	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 870	Date of Summary: 18-AUG-2003	First Sample Examined: 8150
Lease Number: G13066	Source of Paleo: OPERATOR	Borehole MD: 14622
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11670
API Well Number: 608164041600	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 8150 - 14662	Water Depth: 2610
Public Info Code: Y 05-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8150 / 6888	DEF AT first sample examined	DEF AT 5
9380 / 7588	DEF AT - - - - -	DEF AT 6
10310 / 8185	DEF AT - - - - -	DEF AT 5
10700 / 8429	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
11990 / 9256	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
13130 / 10206	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
13250 / 10318	DEF AT - - - - -	DEF IN 5
13520 / 10576	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
14090 / 11139	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
14662 /	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 870	Date of Summary: 18-AUG-2003	First Sample Examined: 8150
Lease Number: G13066	Source of Paleo: OPERATOR	Borehole MD: 14622
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11670
API Well Number: 608164041600	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 8150 - 14662	Water Depth: 2610
Public Info Code: Y 05-APR-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
8150 / 6888	DEF AT first sample examined	DEF AT
8151 / 6889	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
9500 / 7665	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10670 / 8410	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11000 / 8614	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11570 / 8970	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
12320 / 9505	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
12410 / 9577	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12650 / 9777	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
12950 / 10041	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
13490 / 10547	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14060 / 11109	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14090 / 11139	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14662 /	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 900	Date of Summary: 10-MAR-1998	First Sample Examined: 3753
Lease Number: G02445	Source of Paleo: OPERATOR	Borehole MD: 6563
Well Name: A028	Paleo Done By: OPERATOR	Borehole TVD: 6192
API Well Number: 608164028800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 3753 - 6560	Water Depth: 340
Public Info Code: Y 20-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
3753 / 3560	DEF AT first sample examined	DEF AT 2
3800 / 3602	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 2
4100 / 3867	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
4160 / 3920	DEF AT -----	DEF AT 4
4460 / 4183	DEF AT -----	DEF AT 2
4820 / 4504	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
4880 / 4559	DEF AT -----	DEF AT 3
5120 / 4782	DEF AT -----	DEF AT 4
5420 / 5067	DEF AT -----	DEF AT 3
5480 / 5125	DEF AT -----	DEF AT 2
5599 / 5240	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 3
5600 / 5241	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
5720 / 5358	DEF AT -----	DEF AT 4
6080 / 5714	DEF AT -----	DEF AT 2
6410 / 6041	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
6560 / 6189	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 906	Date of Summary: 20-AUG-1999	First Sample Examined: 4080
Lease Number: G19909	Source of Paleo: OPERATOR	Borehole MD: 6963
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 6963
API Well Number: 608164034700	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 4080 - 6963	Water Depth: 1190
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
4080 / 4080	DEF AT first sample examined	DEF AT 3
4081 / 4081	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
4140 / 4140	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 3
4710 / 4709	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
4740 / 4739	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF IN 4
4890 / 4889	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 4
5070 / 5069	DEF AT reworked material	DEF IN 4
5071 / 5070	DEF AT transported shelf fauna	DEF IN 4
5220 / 5219	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 4
5970 / 5969	DEF IN Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF IN 4
6235 / 6234	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
6900 / 6899	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 4
6963 / 6962	DEF AT last sample examined	DEF IN 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 914	Date of Summary: 18-SEP-1997	First Sample Examined: 8980
Lease Number: G08785	Source of Paleo: OPERATOR	Borehole MD: 15505
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 13767
API Well Number: 608164028400	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 8980 - 15505	Water Depth: 3535
Public Info Code: Y 30-MAY-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8980 / 8979	DEF AT first sample examined	DEF AT 4
9010 / 9009	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
9070 / 9069	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
9190 / 9189	DEF AT - - - - -	DEF IN 4
9220 / 9219	DEF AT - - - - -	DEF AT 4
9250 / 9249	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
9470 / 9469	DEF AT - - - - -	DEF IN 4
9650 / 9647	DEF AT - - - - -	DEF AT 4
9680 / 9677	DEF AT - - - - -	DEF IN 4
9740 / 9735	DEF AT - - - - -	DEF AT 5
9769 / 9763	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
9770 / 9764	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
9920 / 9906	DEF AT - - - - -	DEF AT 4
9980 / 9962	DEF AT Upper Miocene (Tortonian) Discoaster bollii	POS AT 4
10520 / 10411	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	POS AT 4
10580 / 10454	DEF AT - - - - -	DEF AT 3
10700 / 10534	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 3
10760 / 10572	DEF AT - - - - -	DEF AT 4
11360 / 10956	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
11480 / 11031	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
13460 / 12296	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 4
14480 / 13007	DEF AT sample gap top	POS AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 914	Date of Summary: 18-SEP-1997	First Sample Examined: 8980
Lease Number: G08785	Source of Paleo: OPERATOR	Borehole MD: 15505
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 13767
API Well Number: 608164028400	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 8980 - 15505	Water Depth: 3535
Public Info Code: Y 30-MAY-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14930 / 13331	DEF AT sample gap bottom	POS AT 4
15439 / 13715	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
15440 / 13716	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
15505 / 13767	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 914	Date of Summary: 18-SEP-1997	First Sample Examined: 9300
Lease Number: G08785	Source of Paleo: OPERATOR	Borehole MD: 13976
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 13335
API Well Number: 608164028401	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9300 - 13976	Water Depth: 3535
Public Info Code: Y 25-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9300 / 9299	DEF AT first sample examined	POS AT 4
9330 / 9329	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	POS AT 4
9450 / 9449	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
9630 / 9629	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT 4
9810 / 9809	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
9900 / 9899	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
10170 / 10163	DEF AT - - - - -	DEF AT 5
10200 / 10191	DEF AT - - - - -	DEF AT 4
10590 / 10528	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
10620 / 10551	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
10800 / 10678	DEF AT - - - - -	POS AT 4
10920 / 10756	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
11010 / 10815	DEF AT - - - - -	DEF AT 5
11040 / 10835	DEF AT - - - - -	DEF AT 4
11280 / 10997	DEF AT - - - - -	POS AT 4
11430 / 11104	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	POS AT 4
11730 / 11333	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
11731 / 11334	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 4
11760 / 11357	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
11790 / 11380	DEF AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT 4
13320 / 12714	DEF AT - - - - -	DEF IN 4
13350 / 12742	DEF AT - - - - -	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 914	Date of Summary: 18-SEP-1997	First Sample Examined: 9300
Lease Number: G08785	Source of Paleo: OPERATOR	Borehole MD: 13976
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 13335
API Well Number: 608164028401	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9300 - 13976	Water Depth: 3535
Public Info Code: Y 25-JUL-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13976 / 13335	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 1001	Date of Summary: 01-JUN-1999	First Sample Examined: 13810
Lease Number: G16559	Source of Paleo: OPERATOR	Borehole MD: 17321
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16663
API Well Number: 608164034003	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 9670 - 17321	Water Depth: 4113
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13810 / 13034	DEF AT first sample examined	DEF AT 4
14140 / 13265	DEF IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
14260 / 13344	DEF AT local marker foram increase	DEF AT 4
14680 / 13616	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
14860 / 13738	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 4
14980 / 13820	DEF AT faunal change (no faunal increase)	DEF IN 4
15190 / 13965	DEF AT sample gap top	POS AT 4
15240 / 14000	DEF AT sample gap bottom	DEF IN 1
15310 / 14049	DEF AT local marker foram increase	DEF IN 1
15610 / 14256	DEF AT faunal change (no faunal increase)	DEF AT 4
15790 / 14385	POS AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 4
15880 / 14450	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
16120 / 14631	DEF AT faunal change (no faunal increase)	DEF IN 1
16330 / 14790	DEF AT local marker foram increase	DEF IN 1
16390 / 14836	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
16690 / 15070	DEF AT reworked material	DEF AT 4
16780 / 15140	DEF AT local marker foram increase	DEF AT 4
16870 / 15210	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4
16930 / 15256	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 5
16960 / 15280	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
16988 / 15301	DEF AT condensed section	DEF IN 5
16989 / 15302	DEF IN deepwater facies Pontchartrain	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 1001	Date of Summary: 01-JUN-1999	First Sample Examined: 13810
Lease Number: G16559	Source of Paleo: OPERATOR	Borehole MD: 17321
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16663
API Well Number: 608164034003	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 9670 - 17321	Water Depth: 4113
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16990 / 15303	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF IN 5
17020 / 15326	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 5
17140 / 15420	DEF AT local marker foram increase	DEF IN 5
17260 / 15515	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
17321 / 15563	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 1001	Date of Summary: 01-JUL-1999	First Sample Examined: 13780
Lease Number: G16559	Source of Paleo: OPERATOR	Borehole MD: 17321
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16663
API Well Number: 608164034003	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 13780 - 17321	Water Depth: 4113
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 14950=Helicosphaera perch-nielseniae, 17080=unique Cyclicargolithus neogammation (=synonym of Cyclicargolithus floridanus A), nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13780 / 13014	DEF AT first sample examined	DEF AT
14200 / 13305	DEF AT local marker floral increase	DEF AT
14410 / 13439	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
14650 / 13596	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14800 / 13697	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14860 / 13738	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
14950 / 13800	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15250 / 14007	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
15370 / 14090	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperata	DEF AT
16960 / 15280	DEF AT local marker floral increase	DEF AT
16961 / 15280	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
17050 / 15350	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
17080 / 15373	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
17321 / 15563	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 1001	Date of Summary: 01-MAY-1999	First Sample Examined: 6028
Lease Number: G16560	Source of Paleo: OPERATOR	Borehole MD: 13118
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13112
API Well Number: 608164034000	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 6028 - 13110	Water Depth: 4126
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6028 / 6028	DEF AT first sample examined	DEF IN 4
6029 / 6029	DEF IN Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF IN 4
6090 / 6090	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
6150 / 6150	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
6180 / 6180	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
6480 / 6480	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
6510 / 6510	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
6540 / 6540	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
6690 / 6690	DEF AT faunal change (no faunal increase)	DEF IN 4
6870 / 6870	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 4
6960 / 6960	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
7020 / 7020	DEF AT local marker foram increase	DEF IN 4
7350 / 7350	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 4
7470 / 7469	DEF AT local marker foram increase	DEF AT 5
7589 / 7588	DEF AT condensed section	DEF AT 5
7590 / 7589	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
7710 / 7709	DEF AT faunal change (no faunal increase)	DEF IN 4
7800 / 7799	DEF AT local marker foram increase	DEF IN 4
7980 / 7979	POS IN Upper Miocene (Messinian) Textularia tatumi	DEF IN 4
8160 / 8159	POS AT Upper Miocene (Tortonian) Textularia 6	DEF AT 4
8280 / 8279	DEF IN Upper Miocene (Tortonian) Textularia 6	DEF AT 4
8670 / 8669	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 1001	Date of Summary: 01-MAY-1999	First Sample Examined: 6028
Lease Number: G16560	Source of Paleo: OPERATOR	Borehole MD: 13118
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13112
API Well Number: 608164034000	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 6028 - 13110	Water Depth: 4126
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9030 / 9029	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
9420 / 9419	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9510 / 9509	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 4
9870 / 9869	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
10020 / 10019	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
10200 / 10199	DEF AT local marker foram increase	DEF AT 4
10348 / 10347	POS AT condensed section	DEF AT 4
10349 / 10348	DEF AT Upper Miocene (Tortonian) Globorotalia languensis	DEF AT 4
10350 / 10349	DEF AT Upper Miocene (Tortonian) Textularia "G"	DEF AT 4
10380 / 10379	DEF AT local marker foram increase	DEF AT 4
10440 / 10439	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
10500 / 10499	POS AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
10560 / 10559	DEF AT local marker foram increase	DEF IN 4
10830 / 10829	DEF AT faunal change (no faunal increase)	DEF AT 4
10920 / 10919	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
11040 / 11039	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
11400 / 11398	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11640 / 11638	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4
11820 / 11818	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
12510 / 12507	POS AT Arenaceous fauna (local marker)	DEF AT 4
12570 / 12567	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
13110 / 13105	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VK 1001	Date of Summary: 01-MAY-1999	First Sample Examined: 6828
Lease Number: G16560	Source of Paleo: OPERATOR	Borehole MD: 13118
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 13112
API Well Number: 608164034000	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 6028 - 13110	Water Depth: 4126
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, 7980=Discoaster preberggrenii

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6028 / 6028	DEF AT first sample examined	DEF AT
6090 / 6090	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
6480 / 6480	POS AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
6600 / 6600	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
6930 / 6930	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
7080 / 7080	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7980 / 7979	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
8640 / 8639	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
9360 / 9359	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
9480 / 9479	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
9990 / 9989	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
10410 / 10409	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10530 / 10529	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
10650 / 10649	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11400 / 11398	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11429 / 11427	DEF AT condensed section	DEF AT
11430 / 11428	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
12630 / 12627	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
13050 / 13045	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
13110 / 13105	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 54	Date of Summary: 06-NOV-2006	First Sample Examined: 8050
Lease Number: G19754	Source of Paleo: OPERATOR	Borehole MD: 14958
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14669
API Well Number: 177054124700	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 129
Paleo Report Num: 1 of 1	Sample Range: 8050 - 14950	Water Depth: 21
Public Info Code: Y 16-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8050 / 8049	DEF AT first sample examined	DEF AT 3
8051 / 8050	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
8110 / 8109	DEF AT - - - - -	DEF AT 2
8980 / 8979	DEF AT - - - - -	DEF AT 3
9070 / 9069	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
9670 / 9669	DEF AT Upper Miocene (Tortonian) Bigenerina 2	DEF AT 3
9730 / 9729	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
9760 / 9759	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 3
9820 / 9819	DEF AT - - - - -	DEF AT 4
9970 / 9969	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
10960 / 10959	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
11110 / 11109	DEF AT - - - - -	DEF AT 3
11350 / 11349	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
12820 / 12814	DEF AT - - - - -	DEF AT 4
12880 / 12872	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
13450 / 13414	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
13600 / 13550	DEF AT - - - - -	DEF AT 3
13780 / 13708	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
14350 / 14176	DEF AT Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 3
14950 / 14661	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 61	Date of Summary: 01-MAY-2006	First Sample Examined: 10890
Lease Number: G22575	Source of Paleo: OPERATOR	Borehole MD: 15138
Well Name: B002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14030
API Well Number: 177054119003	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 10890 - 15142	Water Depth: 47
Public Info Code: Y 12-MAR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10890 / 9843	DEF AT first sample examined	DEF AT 4
10891 / 9844	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
11400 / 10324	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
11640 / 10557	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
11819 / 10733	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
11820 / 10734	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
11910 / 10822	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
13770 / 12664	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
14850 / 13743	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
15142 /	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 78	Date of Summary: 30-SEP-1996	First Sample Examined: 6510
Lease Number: G04421	Source of Paleo: OPERATOR	Borehole MD: 12566
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 12026
API Well Number: 177054102400	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 6510 - 12540	Water Depth: 38
Public Info Code: Y 21-OCT-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
6510 / 6275	DEF AT first sample examined	DEF AT 2
7350 / 7034	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
8560 / 8126	DEF AT - - - -	DEF AT 3
9380 / 8899	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
9810 / 9322	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
10590 / 10095	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
10710 / 10213	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
12540 / 12002	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 90	Date of Summary: 20-FEB-2004	First Sample Examined: 5020
Lease Number: G24827	Source of Paleo: OPERATOR	Borehole MD: 17650
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17650
API Well Number: 177054118600	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 5020 - 17650	Water Depth: 22
Public Info Code: Y 29-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5020 / 5020	DEF AT first sample examined	DEF AT 1
6370 / 6370	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
7600 / 7600	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 2
7750 / 7750	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
9190 / 9190	DEF AT faunal change (no faunal increase)	POS AT 3
9640 / 9640	POS AT Upper Miocene (Tortonian) Cristellaria "K"	POS AT 3
9910 / 9910	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
11080 / 11080	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
11110 / 11110	DEF AT faunal change (no faunal increase)	DEF AT 4
11380 / 11380	DEF AT faunal change (no faunal increase)	DEF AT 3
11740 / 11740	DEF AT faunal change (no faunal increase)	DEF AT 4
12310 / 12310	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
12670 / 12670	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
13240 / 13240	DEF AT faunal change (no faunal increase)	DEF AT 5
13480 / 13480	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
13510 / 13510	DEF AT faunal change (no faunal increase)	DEF AT 4
14050 / 14050	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 4
15610 / 15609	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
15670 / 15669	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
15700 / 15699	DEF AT faunal change (no faunal increase)	DEF AT 5
15940 / 15939	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
16570 / 16569	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 90	Date of Summary: 20-FEB-2004	First Sample Examined: 5020
Lease Number: G24827	Source of Paleo: OPERATOR	Borehole MD: 17650
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17650
API Well Number: 177054118600	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 5020 - 17650	Water Depth: 22
Public Info Code: Y 29-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17650 / 17649	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 115	Date of Summary: 26-MAR-1998	First Sample Examined: 0
Lease Number: G13882	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11546
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 10121
API Well Number: 177054107200	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 55
Public Info Code: Y 15-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 / 9763	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 159	Date of Summary: 10-SEP-1997	First Sample Examined: 8010
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 13750
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13346
API Well Number: 177054105600	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 88
Paleo Report Num: 1 of 2	Sample Range: 8010 - 14850	Water Depth: 92
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 8010	DEF AT first sample examined	DEF AT 2
11130 / 11125	DEF AT - - - - -	DEF AT 3
11160 / 11154	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12060 / 11990	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
14850 /	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 159	Date of Summary: 10-SEP-1997	First Sample Examined: 8010
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 13750
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13346
API Well Number: 177054105600	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 88
Paleo Report Num: 2 of 2	Sample Range: 8010 - 14850	Water Depth: 92
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 8010	DEF AT first sample examined	DEF AT
9120 / 9120	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9150 / 9150	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11010 / 11007	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11100 / 11096	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13740 /	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14850 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 159	Date of Summary: 09-JUN-1998	First Sample Examined: 9900
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 14388
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13973
API Well Number: 177054107700	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 9900 - 14370	Water Depth: 90
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9900 / 9490	DEF AT first sample examined	DEF AT 2
11460 / 11047	DEF AT - - - - -	DEF AT 3
11490 / 11077	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12480 / 12066	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
14370 / 13955	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 159	Date of Summary: 12-JUN-1998	First Sample Examined: 13720
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 14082
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13667
API Well Number: 177054107701	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 13720 - 14070	Water Depth: 90
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13720 / 13305	DEF AT first sample examined	DEF AT 3
13721 / 13306	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 3
14070 / 13655	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 159	Date of Summary: 10-JUL-1998	First Sample Examined: 13710
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 15050
Well Name: CJ001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14634
API Well Number: 177054107702	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 13710 - 15050	Water Depth: 90
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13710 / 13295	DEF AT first sample examined	DEF AT 3
13711 / 13296	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 3
15050 /	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 159	Date of Summary: 10-JUL-1998	First Sample Examined: 13710
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 15050
Well Name: CJ001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14634
API Well Number: 177054107702	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 13710 - 15050	Water Depth: 90
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13710 / 13295	DEF AT first sample examined	DEF AT
13770 / 13355	POS IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15050 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 160	Date of Summary: 10-MAR-1997	First Sample Examined: 15380
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 16370
Well Name: AJ003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16208
API Well Number: 177054104300	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 111
Paleo Report Num: 1 of 4	Sample Range: 15380 - 16370	Water Depth: 89
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Bypass 1 report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15380 / 15225	DEF AT first sample examined	DEF AT
16370 / 16208	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 160	Date of Summary: 12-MAR-1997	First Sample Examined: 8520
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 16370
Well Name: AJ003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16208
API Well Number: 177054104300	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 111
Paleo Report Num: 2 of 4	Sample Range: 8520 - 16040	Water Depth: 89
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Original hole report

MD / TVD	Paleo Top Description	Ecozone
8520 / 8519	DEF AT first sample examined	DEF AT 2
9000 / 8999	DEF AT sample gap top	POS AT 2
9120 / 9118	DEF AT sample gap bottom	DEF AT 2
9660 / 9649	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
11040 / 10977	DEF AT - - - - -	DEF AT 3
11070 / 11006	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
11280 / 11208	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
13470 / 13331	DEF AT sample gap top	POS AT 3
14000 / 13853	DEF AT sample gap bottom	DEF AT 3
16040 / 15881	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 160	Date of Summary: 12-MAR-1997	First Sample Examined: 8520
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 16370
Well Name: AJ003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16208
API Well Number: 177054104300	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 111
Paleo Report Num: 3 of 4	Sample Range: 8520 - 16040	Water Depth: 89
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report for original hole

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8520 / 8519	DEF AT first sample examined	DEF AT
9630 / 9620	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9720 / 9708	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11040 / 10977	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15710 / 15554	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16040 / 15881	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 160	Date of Summary: 12-MAR-1997	First Sample Examined: 15380
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 16370
Well Name: AJ003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16208
API Well Number: 177054104300	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 111
Paleo Report Num: 4 of 4	Sample Range: 15380 - 16370	Water Depth: 89
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report for bypass 1

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15380 / 15225	DEF AT first sample examined	DEF AT
15710 / 15554	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16370 / 16208	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 160	Date of Summary: 09-OCT-1997	First Sample Examined: 11000
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 15496
Well Name: AJ005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15235
API Well Number: 177054105700	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 111
Paleo Report Num: 1 of 2	Sample Range: 11000 - 15496	Water Depth: 89
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 / 10799	DEF AT first sample examined	DEF AT 2
11270 / 11053	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12240 / 11988	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
14840 / 14581	DEF AT local marker foram increase	DEF AT 3
14990 / 14731	DEF AT local marker foram decrease	DEF AT 3
15020 / 14761	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 3
15050 / 14791	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 3
15170 / 14910	DEF AT local marker foram decrease	DEF AT 3
15200 / 14940	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 3
15230 / 14970	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
15496 / 15235	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 160	Date of Summary: 27-OCT-1997	First Sample Examined: 11000
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 15496
Well Name: AJ005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15235
API Well Number: 177054105700	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 111
Paleo Report Num: 2 of 2	Sample Range: 11000 - 15496	Water Depth: 89
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 / 10799	DEF AT first sample examined	DEF AT
11001 / 10800	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13850 / 13591	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15050 / 14791	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15496 / 15235	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 160	Date of Summary: 25-JUL-1997	First Sample Examined: 11000
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 15702
Well Name: AJ006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15258
API Well Number: 177054104800	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 111
Paleo Report Num: 1 of 3	Sample Range: 11000 - 15020	Water Depth: 89
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 / 10655	DEF AT first sample examined	DEF AT 2
11570 / 11197	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12470 / 12070	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
15020 / 14586	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 160	Date of Summary: 25-JUL-1997	First Sample Examined: 14000
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 15702
Well Name: AJ006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15258
API Well Number: 177054104800	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 111
Paleo Report Num: 2 of 3	Sample Range: 14000 - 15705	Water Depth: 89
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Bypass report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14000 / 13566	DEF AT first sample examined	DEF AT 3
15170 / 14736	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 3
15705 /	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 160	Date of Summary: 25-JUL-1997	First Sample Examined: 11000
Lease Number: G03128	Source of Paleo: OPERATOR	Borehole MD: 15702
Well Name: AJ006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15258
API Well Number: 177054104800	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 111
Paleo Report Num: 3 of 3	Sample Range: 11000 - 15020	Water Depth: 89
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report for original hole

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 / 10655	DEF AT first sample examined	DEF AT
11001 / 10656	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14780 / 14346	POS IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15020 / 14586	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 160	Date of Summary: 12-NOV-1997	First Sample Examined: 8290
Lease Number: G08668	Source of Paleo: OPERATOR	Borehole MD: 14810
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14668
API Well Number: 177054106300	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 8290 - 14810	Water Depth: 93
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8290 / 8290	DEF AT first sample examined	DEF AT 2
8320 / 8320	POS AT Upper Pliocene (Piacenzian) Globorotalia multicaemata	DEF AT 2
9610 / 9610	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
10990 / 10989	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12160 / 12158	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
14810 / 14668	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 160	Date of Summary: 12-NOV-1997	First Sample Examined: 10510
Lease Number: G08668	Source of Paleo: OPERATOR	Borehole MD: 14810
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14668
API Well Number: 177054106300	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 10510 - 14810	Water Depth: 93
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10510 / 10509	DEF AT first sample examined	DEF AT
10960 / 10959	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13240 / 13203	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14810 / 14668	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 160	Date of Summary: 21-NOV-1997	First Sample Examined: 10680
Lease Number: G08668	Source of Paleo: OPERATOR	Borehole MD: 14536
Well Name: BJ001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14475
API Well Number: 177054106301	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 10680 - 14536	Water Depth: 93
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10680 / 10679	DEF AT first sample examined	DEF AT 2
10920 / 10919	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
11850 / 11833	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
14536 / 14475	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 160	Date of Summary: 02-DEC-1997	First Sample Examined: 10680
Lease Number: G08668	Source of Paleo: OPERATOR	Borehole MD: 14536
Well Name: BJ001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14475
API Well Number: 177054106301	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 10680 - 14536	Water Depth: 93
Public Info Code: Y 29-JUN-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10680 / 10679	DEF AT first sample examined	DEF AT
10920 / 10919	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13290 / 13246	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14520 / 14459	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14536 / 14475	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 199	Date of Summary: 24-JAN-1996	First Sample Examined: 8000
Lease Number: G09499	Source of Paleo: OPERATOR	Borehole MD: 15947
Well Name: JA001	Paleo Done By: OPERATOR	Borehole TVD: 12219
API Well Number: 177054099400	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 8000 - 15854	Water Depth: 111
Public Info Code: Y 12-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
8000 / 6731	DEF AT first sample examined	DEF AT
8963 / 7357	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9121 / 7461	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11669 / 9199	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
15854 / 12158	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 201	Date of Summary: 23-OCT-1984	First Sample Examined: 0
Lease Number: G02075	Source of Paleo: OPERATOR	Borehole MD: 11650
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 11650
API Well Number: 177054003500	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 66
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 105
Public Info Code: Y 17-DEC-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5970 /	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
6510 /	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT
9480 /	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 201	Date of Summary: 02-MAY-1996	First Sample Examined: 0
Lease Number: G02075	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10479
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 10250
API Well Number: 177054009601	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 104
Public Info Code: Y 17-DEC-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
5918 / 5816	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
7447 / 7336	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 208	Date of Summary: 28-JUN-2004	First Sample Examined: 7520
Lease Number: G22627	Source of Paleo: OPERATOR	Borehole MD: 19697
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19689
API Well Number: 177054120200	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 118
Paleo Report Num: 1 of 2	Sample Range: 7520 - 19697	Water Depth: 118
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7520 / 7520	DEF AT first sample examined	DEF AT 2
7640 / 7640	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
9500 / 9500	DEF AT - - - - -	DEF AT 3
10010 / 10010	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
10970 / 10970	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
11000 / 11000	POS AT - - - - -	POS AT 4
11960 / 11959	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
13820 / 13819	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
14510 / 14509	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
17030 / 17026	DEF AT - - - - -	DEF AT 5
17150 / 17146	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
17180 / 17176	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
18560 / 18555	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 6
18650 / 18644	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
19490 / 19482	DEF AT - - - - -	DEF IN 5
19575 / 19567	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
19697 / 19689	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 208	Date of Summary: 28-JUN-2004	First Sample Examined: 13010
Lease Number: G22627	Source of Paleo: OPERATOR	Borehole MD: 19697
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19689
API Well Number: 177054120200	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 118
Paleo Report Num: 2 of 2	Sample Range: 13010 - 19697	Water Depth: 118
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13010 / 13009	DEF AT first sample examined	DEF AT
13610 / 13609	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14240 / 14239	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14510 / 14509	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
17870 / 17866	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18650 / 18644	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
18680 / 18674	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
19430 / 19423	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19520 / 19512	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
19697 / 19689	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 225	Date of Summary: 04-AUG-1997	First Sample Examined: 0
Lease Number: G15189	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13685
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13672
API Well Number: 177054105200	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 120
Public Info Code: Y 20-AUG-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8590 /	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT
11440 /	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT
12580 /	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 252	Date of Summary: 10-APR-1995	First Sample Examined: 0
Lease Number: G05431	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8820
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8678
API Well Number: 177064074500	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 89
Paleo Report Num: 1 of 2	Sample Range: 0 - 0	Water Depth: 150
Public Info Code: Y 04-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5346 / 5346	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7079 / 7040	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 252	Date of Summary: 05-DEC-2001	First Sample Examined: 0
Lease Number: G05431	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8820
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8678
API Well Number: 177064074500	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 89
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth: 150
Public Info Code: Y 04-APR-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5336 / 5336	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6878 / 6850	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 252	Date of Summary: 10-APR-1995	First Sample Examined: 0
Lease Number: G05431	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8175
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 7765
API Well Number: 177064074900	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 150
Public Info Code: Y 19-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5336 / 5320	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6878 / 6647	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 252	Date of Summary: 05-DEC-2001	First Sample Examined: 0
Lease Number: G05431	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8500
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 7883
API Well Number: 177064077600	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 150
Public Info Code: Y 08-APR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5400 / 5376	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7212 / 6875	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 273	Date of Summary: 16-DEC-1999	First Sample Examined: 0
Lease Number: G14412	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5299
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 5299
API Well Number: 177064074300	Drilling Operator: KING RANCH OIL AND GAS INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 173
Public Info Code: Y 06-MAY-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4757 /	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
5166 /	DEF AT salt	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 273	Date of Summary: 19-FEB-2001	First Sample Examined: 0
Lease Number: G14412	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5763
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 4972
API Well Number: 177064075601	Drilling Operator: KING RANCH OIL AND GAS INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 173
Public Info Code: Y 04-JUN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5362 / 4705	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 279	Date of Summary: 30-APR-1997	First Sample Examined: 7150
Lease Number: G11881	Source of Paleo: OPERATOR	Borehole MD: 14565
Well Name: A005	Paleo Done By: THOMAS REILLY	Borehole TVD: 14563
API Well Number: 177064075802	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 7150 - 14565	Water Depth: 180
Public Info Code: Y 24-MAY-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
7150 /	DEF AT first sample examined	DEF IN 2
7151 /	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 2
7663 /	DEF AT - - - -	DEF AT 3
7719 /	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
7720 /	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
8139 /	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 4
8140 /	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
8838 /	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT 5
8839 /	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
8840 /	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
9899 /	DEF AT - - - -	DEF IN 4
10300 /	DEF AT sample gap top	POS IN 4
10400 /	DEF AT sample gap bottom	DEF AT 5
10462 /	DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
11401 /	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
12350 /	DEF AT Eggerella 3 (local marker)	DEF AT 5
12952 /	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
12953 /	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
12954 /	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
13800 /	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 6
13920 /	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 6
13950 /	DEF AT gouge	DEF IN 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 279	Date of Summary: 30-APR-1997	First Sample Examined: 7150
Lease Number: G11881	Source of Paleo: OPERATOR	Borehole MD: 14565
Well Name: A005	Paleo Done By: THOMAS REILLY	Borehole TVD: 14563
API Well Number: 177064075802	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 7150 - 14565	Water Depth: 180
Public Info Code: Y 24-MAY-2007	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14565 /	DEF AT last sample examined	DEF IN 6

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 279	Date of Summary: 28-AUG-1997	First Sample Examined: 10830
Lease Number: G11881	Source of Paleo: OPERATOR	Borehole MD: 14350
Well Name: A006	Paleo Done By: THOMAS REILLY	Borehole TVD: 13150
API Well Number: 177064079900	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 128
Paleo Report Num: 1 of 2	Sample Range: 10830 - 14384	Water Depth: 180
Public Info Code: Y 26-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10830 / 10022	DEF AT first sample examined	DEF IN 2
11130 / 10283	DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 2
11160 / 10309	DEF AT - - - -	DEF AT 3
11934 / 10978	DEF AT Eggerella 3 (local marker)	DEF IN 3
11935 / 10979	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 3
12025 / 11057	DEF AT local marker foram increase	DEF IN 3
12055 / 11084	DEF AT sample gap top	POS IN 3
12205 / 11215	DEF AT sample gap bottom	DEF IN 3
12448 / 11429	DEF AT - - - -	DEF AT 2
12605 / 11570	POS AT local marker foram increase	DEF AT 3
12826 / 11770	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 3
13044 / 11968	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 3
13074 / 11995	DEF AT Eggerella 3 (local marker)	DEF IN 3
13075 / 11996	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
13422 / 12317	DEF AT limestone	DEF AT 3
13519 / 12407	DEF AT Bathysiphon fauna	DEF IN 3
13520 / 12408	DEF AT Eggerella 3 (local marker)	DEF IN 3
13640 / 12519	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
14129 / 12967	DEF AT sample gap top	POS IN 3
14229 / 13057	DEF AT sample gap bottom	DEF IN 3
14260 / 13085	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
14291 / 13113	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 279	Date of Summary: 28-AUG-1997	First Sample Examined: 10830
Lease Number: G11881	Source of Paleo: OPERATOR	Borehole MD: 14350
Well Name: A006	Paleo Done By: THOMAS REILLY	Borehole TVD: 13150
API Well Number: 177064079900	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 128
Paleo Report Num: 1 of 2	Sample Range: 10830 - 14384	Water Depth: 180
Public Info Code: Y 26-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14384 / 13197	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 279	Date of Summary: 28-AUG-1997	First Sample Examined: 12605
Lease Number: G11881	Source of Paleo: OPERATOR	Borehole MD: 14350
Well Name: A006	Paleo Done By: THOMAS REILLY	Borehole TVD: 13150
API Well Number: 177064079900	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 128
Paleo Report Num: 2 of 2	Sample Range: 12605 - 14384	Water Depth: 180
Public Info Code: Y 26-SEP-2007	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12605 / 11570	DEF AT first sample examined	DEF AT
12606 / 11571	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12885 / 11823	DEF AT local marker floral increase	DEF AT
12920 / 11855	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
13520 / 12408	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13730 / 12602	DEF AT local marker foram decrease	DEF AT
14384 / 13197	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 279	Date of Summary: 31-DEC-1996	First Sample Examined: 5830
Lease Number: G11881	Source of Paleo: OPERATOR	Borehole MD: 13410
Well Name: A007	Paleo Done By: THOMAS REILLY	Borehole TVD: 11745
API Well Number: 177064078800	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 5830 - 13420	Water Depth: 180
Public Info Code: Y 11-JAN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5830 / 5830	DEF AT first sample examined	DEF AT 3
5831 / 5831	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6190 / 6190	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
6855 / 6855	DEF AT local marker benthic foram increase	DEF AT 3
7634 / 7632	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
7635 / 7633	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
7959 / 7950	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 4
7960 / 7951	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
8889 / 8797	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT 5
8890 / 8798	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
10300 / 9785	DEF AT sample gap top	POS AT 5
11175 / 10309	DEF AT sample gap bottom	DEF AT 5
11269 / 10361	DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
12545 / 11131	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
13420 /	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 284	Date of Summary: 28-OCT-1995	First Sample Examined: 0
Lease Number: G09508	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11142
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 10835
API Well Number: 177064076501	Drilling Operator: APACHE OIL CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 186
Public Info Code: Y 22-SEP-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6740 / 6444	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7840 / 7534	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9530 / 9223	DEF AT Upper Pliocene (Piacenzian) Globorotalia multcamerata	DEF AT
10370 / 10063	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 297	Date of Summary: 08-MAR-1996	First Sample Examined: 0
Lease Number: G11885	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9310
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 8651
API Well Number: 177064077300	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 195
Public Info Code: Y 07-FEB-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5685 / 5435	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8249 / 7667	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 309	Date of Summary: 02-SEP-1997	First Sample Examined: 4230
Lease Number: G16310	Source of Paleo: OPERATOR	Borehole MD: 9579
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9211
API Well Number: 177064079700	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 4230 - 9578	Water Depth: 206
Public Info Code: Y 24-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4230 / 4230	DEF AT first sample examined	DEF AT 3
4680 / 4680	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6479 / 6460	DEF AT pyrite	DEF AT 3
6480 / 6460	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7500 / 7385	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
8550 / 8309	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 4
9090 / 8781	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9578 / 9210	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 335	Date of Summary: 17-DEC-1998	First Sample Examined: 5130
Lease Number: G14418	Source of Paleo: OPERATOR	Borehole MD: 15400
Well Name: A001	Paleo Done By: PALEO SOURCE	Borehole TVD: 15399
API Well Number: 177064082100	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 5130 - 15400	Water Depth: 230
Public Info Code: Y 12-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5130 / 5130	DEF AT first sample examined	DEF AT 2
5430 / 5430	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
6150 / 6150	DEF AT local marker foram increase	DEF IN 2
6210 / 6210	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 2
6480 / 6480	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 2
6750 / 6750	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 2
6780 / 6780	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 2
6930 / 6930	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 2
7020 / 7020	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3
7410 / 7410	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 3
7740 / 7740	DEF AT local marker foram increase	DEF IN 3
7920 / 7920	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 3
8490 / 8490	DEF AT local marker foram increase	DEF AT 4
9900 / 9900	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
10260 / 10260	POS AT unconformity	DEF AT 5
10290 / 10290	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
10320 / 10320	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
10350 / 10350	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10979 / 10979	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
10980 / 10980	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11940 / 11939	POS IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
12540 / 12539	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 335	Date of Summary: 17-DEC-1998	First Sample Examined: 5130
Lease Number: G14418	Source of Paleo: OPERATOR	Borehole MD: 15400
Well Name: A001	Paleo Done By: PALEO SOURCE	Borehole TVD: 15399
API Well Number: 177064082100	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 5130 - 15400	Water Depth: 230
Public Info Code: Y 12-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
12600 / 12599	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
13110 / 13109	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 5
13200 / 13199	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
13260 / 13259	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13830 / 13829	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 5
14160 / 14159	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
14670 / 14669	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
15330 / 15329	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 5
15400 / 15399	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 335	Date of Summary: 01-MAY-2007	First Sample Examined: 12225
Lease Number: G14418	Source of Paleo: OPERATOR	Borehole MD: 15137
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14366
API Well Number: 177064082101	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - I	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 12225 - 15120	Water Depth: 227
Public Info Code: Y 12-OCT-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12225 / 12120	DEF AT first sample examined	DEF AT 4
12226 / 12121	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
12455 / 12349	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
12815 / 12701	DEF AT - - - - -	DEF AT 5
12935 / 12817	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13305 / 13163	DEF AT - - - - -	DEF AT 6
13335 / 13189	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
13425 / 13267	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
14520 / 13983	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
14670 / 14074	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
15120 / 14356	DEF AT last sample examined	DEF AT 6

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 362	Date of Summary: 04-APR-1995	First Sample Examined: 0
Lease Number: G09522	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12528
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 11200
API Well Number: 177064074100	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 279
Public Info Code: Y 23-MAR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9660 / 9294	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
11460 / 10481	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12180 / 10966	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 362	Date of Summary: 06-JUN-2001	First Sample Examined: 0
Lease Number: G09524	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15633
Well Name: B004	Paleo Done By: OPERATOR	Borehole TVD: 12200
API Well Number: 177064074801	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 279
Public Info Code: Y 29-MAY-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9770 / 8773	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10070 / 9007	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
13760 / 11111	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14556 / 11563	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
14780 / 11693	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 362	Date of Summary: 23-JAN-2001	First Sample Examined: 0
Lease Number: G10687	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12302
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 11000
API Well Number: 177064073600	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 278
Public Info Code: Y 18-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6633 / 6628	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
10660 / 9837	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11440 / 10388	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11800 / 10643	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 362	Date of Summary: 12-NOV-1996	First Sample Examined: 0
Lease Number: G10687	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13918
Well Name: B004	Paleo Done By: OPERATOR	Borehole TVD: 11198
API Well Number: 177064074800	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 279
Public Info Code: Y 12-MAY-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9770 / 8773	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10070 / 9007	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
13760 / 11111	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14780 /	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 375	Date of Summary: 29-AUG-1996	First Sample Examined: 1590
Lease Number: G14427	Source of Paleo: OPERATOR	Borehole MD: 12565
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11959
API Well Number: 177064077200	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 110
Paleo Report Num: 1 of 2	Sample Range: 1590 - 12565	Water Depth: 318
Public Info Code: Y 31-MAR-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1590 / 1590	DEF AT first sample examined	DEF AT 3
2250 / 2249	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5010 / 5009	DEF AT - - - - -	DEF AT 4
5040 / 5039	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
6030 / 6029	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
7020 / 7019	DEF AT - - - - -	DEF AT 5
7230 / 7229	DEF AT - - - - -	DEF IN 5
7380 / 7379	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 5
7650 / 7649	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8010 / 8009	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
8219 / 8218	DEF AT anhydrite	DEF IN 5
8220 / 8219	DEF IN salt	DEF IN 5
8580 / 8579	DEF AT base of salt	DEF IN 5
12180 / 11659	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
12565 / 11959	DEF AT last sample examined	DEF IN 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 375	Date of Summary: 29-AUG-1996	First Sample Examined: 1590
Lease Number: G14427	Source of Paleo: OPERATOR	Borehole MD: 12565
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11959
API Well Number: 177064077200	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 110
Paleo Report Num: 2 of 2	Sample Range: 1590 - 12565	Water Depth: 318
Public Info Code: Y 31-MAR-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1590 / 1590	DEF AT first sample examined	DEF AT
1770 / 1770	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
3780 / 3779	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
4139 / 4138	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
4140 / 4139	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5250 / 5249	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6120 / 6119	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7560 / 7559	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
7740 / 7739	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7890 / 7889	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7950 / 7949	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8220 / 8219	DEF AT salt	DEF AT
8820 / 8816	DEF AT base of salt	DEF AT
8850 / 8845	DEF AT out-of-place section	DEF AT
8880 / 8874	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12565 / 11959	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 375	Date of Summary: 29-AUG-1996	First Sample Examined: 8370
Lease Number: G14427	Source of Paleo: OPERATOR	Borehole MD: 16856
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14368
API Well Number: 177064077201	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 110
Paleo Report Num: 1 of 9	Sample Range: 8370 - 15870	Water Depth: 318
Public Info Code: Y 20-SEP-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8370 / 8369	DEF AT first sample examined	DEF IN 5
8371 / 8370	DEF IN salt	DEF IN 5
8700 / 8693	DEF AT base of salt	DEF IN 5
12360 / 11417	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
12720 / 11672	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13200 / 12008	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
13350 / 12113	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
13620 / 12300	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
15870 / 13684	DEF AT last sample examined	DEF AT 6

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 375	Date of Summary: 29-AUG-1996	First Sample Examined: 14060
Lease Number: G14427	Source of Paleo: OPERATOR	Borehole MD: 16856
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14368
API Well Number: 177064077201	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 110
Paleo Report Num: 2 of 9	Sample Range: 14060 - 16290	Water Depth: 318
Public Info Code: Y 20-SEP-2006	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Redrill 1, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14060 / 12598	DEF AT first sample examined	DEF AT 5
14061 / 12599	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
16290 / 13964	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 375	Date of Summary: 29-AUG-1996	First Sample Examined: 15580
Lease Number: G14427	Source of Paleo: OPERATOR	Borehole MD: 16856
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14368
API Well Number: 177064077201	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 110
Paleo Report Num: 3 of 9	Sample Range: 15580 - 18000	Water Depth: 318
Public Info Code: Y 20-SEP-2006	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Redrill 2, no diagnostic foram markers noted, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15580 / 13498	DEF AT first sample examined	DEF AT 6
18000 /	DEF AT last sample examined	DEF AT 6

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 375	Date of Summary: 29-AUG-1996	First Sample Examined: 14360
Lease Number: G14427	Source of Paleo: OPERATOR	Borehole MD: 16856
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14368
API Well Number: 177064077201	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 110
Paleo Report Num: 4 of 9	Sample Range: 14360 - 16820	Water Depth: 318
Public Info Code: Y 20-SEP-2006	Ecozone Eq MMS: Y	Paleo ID: 005

Remark: Redrill 3, no diagnostic foram markers noted, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14360 / 12784	DEF AT first sample examined	DEF AT 6
16820 / 14341	DEF AT last sample examined	DEF AT 6

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 375	Date of Summary: 29-AUG-1996	First Sample Examined: 8370
Lease Number: G14427	Source of Paleo: OPERATOR	Borehole MD: 16856
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14368
API Well Number: 177064077201	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 110
Paleo Report Num: 5 of 9	Sample Range: 8370 - 15870	Water Depth: 318
Public Info Code: Y 20-SEP-2006	Ecozone Eq MMS:	Paleo ID: 006

Remark: Calcareous nannofossil report for redrill 1, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8370 / 8369	DEF AT first sample examined	DEF AT
15870 / 13684	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 375	Date of Summary: 29-AUG-1996	First Sample Examined: 14060
Lease Number: G14427	Source of Paleo: OPERATOR	Borehole MD: 16856
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14368
API Well Number: 177064077201	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 110
Paleo Report Num: 6 of 9	Sample Range: 14060 - 16290	Water Depth: 318
Public Info Code: Y 20-SEP-2006	Ecozone Eq MMS:	Paleo ID: 007

Remark: Calcareous nannofossil report for redrill 2, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14060 / 12598	DEF AT first sample examined	DEF AT
16290 / 13964	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 375	Date of Summary: 29-AUG-1996	First Sample Examined: 8370
Lease Number: G14427	Source of Paleo: OPERATOR	Borehole MD: 16856
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14368
API Well Number: 177064077201	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 110
Paleo Report Num: 7 of 9	Sample Range: 8370 - 15870	Water Depth: 318
Public Info Code: Y 20-SEP-2006	Ecozone Eq MMS:	Paleo ID: 008

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8370 / 8369	DEF AT first sample examined	DEF AT
8371 / 8370	DEF AT out-of-place section	DEF AT
8940 / 8916	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
8970 / 8943	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9210 / 9146	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12960 / 11844	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
13140 / 11967	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13800 / 12423	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF AT
15450 / 13412	POS IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15870 / 13684	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 375	Date of Summary: 29-AUG-1996	First Sample Examined: 14060
Lease Number: G14427	Source of Paleo: OPERATOR	Borehole MD: 16856
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14368
API Well Number: 177064077201	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 110
Paleo Report Num: 8 of 9	Sample Range: 14060 - 16290	Water Depth: 318
Public Info Code: Y 20-SEP-2006	Ecozone Eq MMS:	Paleo ID: 009

Remark: Calcareous nannofossil report for sidetrack redrill 1, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14060 / 12598	DEF AT first sample examined	DEF AT
14061 / 12599	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15090 / 13197	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16230 / 13923	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16290 / 13964	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 375	Date of Summary: 29-AUG-1996	First Sample Examined: 15580
Lease Number: G14427	Source of Paleo: OPERATOR	Borehole MD: 16856
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14368
API Well Number: 177064077201	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 110
Paleo Report Num: 9 of 9	Sample Range: 15580 - 18000	Water Depth: 318
Public Info Code: Y 20-SEP-2006	Ecozone Eq MMS:	Paleo ID: 010

Remark: Calcareous nannofossil report for sidetrack redrill 2, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15580 / 13498	DEF AT first sample examined	DEF AT
16200 / 13902	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17580 /	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
18000 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 397	Date of Summary: 09-JUN-1995	First Sample Examined: 4410
Lease Number: G03141	Source of Paleo: OPERATOR	Borehole MD: 15677
Well Name: A020	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 13300
API Well Number: 177064074600	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 4410 - 14790	Water Depth: 395
Public Info Code: Y 06-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4410 / 4005	DEF AT first sample examined	DEF AT 2
4470 / 4051	DEF AT -----	DEF AT 1
4620 / 4167	DEF AT -----	DEF AT 2
5040 / 4481	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
5280 / 4661	DEF AT -----	DEF AT 1
5670 / 4954	DEF AT -----	DEF AT 2
5730 / 4999	DEF AT -----	DEF AT 1
6360 / 5474	DEF AT -----	DEF AT 2
8160 / 6828	DEF AT -----	DEF AT 1
8340 / 6963	DEF AT -----	DEF AT 2
8370 / 6985	DEF AT -----	DEF AT 1
8460 / 7053	DEF AT -----	DEF AT 2
8490 / 7075	DEF AT -----	DEF AT 1
8520 / 7098	DEF AT -----	DEF AT 2
8580 / 7143	DEF AT -----	DEF AT 1
8910 / 7390	DEF AT -----	DEF AT 2
9000 / 7458	DEF AT -----	DEF AT 1
9210 / 7616	DEF AT -----	DEF AT 2
9330 / 7706	DEF AT -----	DEF AT 1
9360 / 7728	DEF AT -----	DEF AT 2
9690 / 7975	DEF AT -----	DEF AT 1
9780 / 8042	DEF AT -----	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 397	Date of Summary: 09-JUN-1995	First Sample Examined: 4410
Lease Number: G03141	Source of Paleo: OPERATOR	Borehole MD: 15677
Well Name: A020	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 13300
API Well Number: 177064074600	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 4410 - 14790	Water Depth: 395
Public Info Code: Y 06-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9810 / 8064	DEF AT -----	DEF AT 1
9900 / 8130	DEF AT -----	DEF AT 2
9930 / 8152	DEF AT -----	DEF AT 1
10470 / 8549	DEF AT -----	DEF AT 2
10500 / 8571	DEF AT -----	DEF AT 1
10530 / 8594	DEF AT -----	DEF AT 2
10740 / 8752	DEF AT -----	DEF AT 1
10830 / 8821	DEF AT -----	DEF AT 2
11190 / 9095	DEF AT -----	DEF AT 1
11250 / 9141	DEF AT -----	DEF AT 2
11310 / 9187	DEF AT -----	DEF AT 1
11430 / 9279	DEF AT -----	DEF AT 2
12030 / 9761	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	POS AT 4
12060 / 9785	DEF AT -----	DEF AT 3
12090 / 9810	DEF AT -----	POS AT 4
12120 / 9834	DEF AT -----	DEF AT 3
12180 / 9884	DEF AT -----	POS AT 4
12210 / 9909	DEF AT -----	DEF IN 2
12300 / 9983	DEF AT -----	DEF AT 3
12330 / 10008	DEF AT -----	DEF IN 2
12420 / 10082	DEF AT -----	POS AT 4
12510 / 10156	DEF AT -----	DEF AT 3
12540 / 10181	DEF AT -----	POS AT 4
12570 / 10206	DEF AT -----	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 397	Date of Summary: 09-JUN-1995	First Sample Examined: 4410
Lease Number: G03141	Source of Paleo: OPERATOR	Borehole MD: 15677
Well Name: A020	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 13300
API Well Number: 177064074600	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 4410 - 14790	Water Depth: 395
Public Info Code: Y 06-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12600 / 10231	DEF AT -----	POS AT 4
12630 / 10256	DEF AT -----	DEF AT 3
12660 / 10281	DEF AT -----	POS AT 4
12690 / 10306	DEF AT -----	DEF AT 3
12720 / 10331	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	POS AT 4
12750 / 10356	DEF AT local marker deep water fauna	POS AT 4
12780 / 10381	DEF AT -----	DEF AT 4
12840 / 10432	DEF AT -----	POS AT 4
12870 / 10457	DEF AT -----	DEF AT 4
12900 / 10482	DEF AT -----	DEF AT 3
12950 / 10524	DEF AT -----	POS AT 4
12990 / 10558	DEF AT -----	DEF AT 3
13080 / 10635	DEF AT -----	DEF IN 2
13140 / 10686	DEF AT -----	DEF AT 3
13170 / 10712	DEF AT -----	DEF IN 2
13200 / 10738	DEF AT -----	DEF AT 3
13230 / 10764	DEF AT -----	DEF IN 2
13740 / 11216	DEF AT -----	DEF AT 1
13800 / 11271	DEF AT -----	DEF AT 2
13950 / 11407	DEF AT -----	DEF AT 1
14190 / 11624	DEF AT -----	DEF AT 2
14250 / 11678	DEF AT -----	POS AT 4
14370 / 11787	DEF AT -----	DEF AT 3
14400 / 11814	DEF AT -----	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 397	Date of Summary: 09-JUN-1995	First Sample Examined: 4410
Lease Number: G03141	Source of Paleo: OPERATOR	Borehole MD: 15677
Well Name: A020	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 13300
API Well Number: 177064074600	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 4410 - 14790	Water Depth: 395
Public Info Code: Y 06-JUL-2005	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14700 / 12088	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
14790 / 12171	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 398	Date of Summary: 08-AUG-1995	First Sample Examined: 0
Lease Number: G09529	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14873
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 13564
API Well Number: 177064073700	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 381
Public Info Code: Y 09-MAR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8985	DEF AT first sample examined	DEF AT 5
9480 / 9463	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13260 / 12448	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14790 / 13512	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: VR 398	Date of Summary: 08-AUG-1995	First Sample Examined: 0
Lease Number: G09529	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16128
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 14390
API Well Number: 177064073701	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 381
Public Info Code: Y 30-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14780 / 13413	DEF AT first sample examined	DEF AT 5
15170 / 13692	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
15890 / 14216	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
16128 / 14390	DEF AT last sample examined	DEF AT 5

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 38	Date of Summary: 05-SEP-2003	First Sample Examined: 6990
Lease Number: G23732	Source of Paleo: OPERATOR	Borehole MD: 15500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15496
API Well Number: 177004117000	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 6990 - 15500	Water Depth: 34
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6990 / 6990	DEF AT first sample examined	DEF AT 1
7290 / 7290	DEF AT - - - - -	DEF AT 2
7620 / 7620	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
9900 / 9899	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
10620 / 10619	DEF AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 2
10650 / 10649	DEF AT - - - - -	DEF AT 3
12090 / 12089	DEF AT sample gap top	DEF AT
12225 / 12224	DEF AT sample gap bottom	DEF AT
12270 / 12269	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
12540 / 12539	DEF AT - - - - -	DEF AT 4
12600 / 12599	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT 4
13470 / 13468	DEF AT - - - - -	DEF AT 3
15200 / 15198	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT 3
15500 / 15496	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 38	Date of Summary: 05-SEP-2003	First Sample Examined: 10590
Lease Number: G23732	Source of Paleo: OPERATOR	Borehole MD: 15500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15496
API Well Number: 177004117000	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 10590 - 15500	Water Depth: 34
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10590 / 10589	DEF AT first sample examined	DEF AT
10650 / 10649	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
12090 / 12089	DEF AT sample gap top	DEF AT
12225 / 12224	DEF AT sample gap bottom	DEF AT
12240 / 12239	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
12600 / 12599	DEF AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT
15500 / 15496	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 42	Date of Summary: 16-FEB-2004	First Sample Examined: 10200
Lease Number: G22500	Source of Paleo: OPERATOR	Borehole MD: 10790
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10789
API Well Number: 177004117801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 10200 - 10790	Water Depth: 28
Public Info Code: Y 12-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Paleo done by R V Roederer

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10200 / 10199	DEF AT first sample examined	DEF AT 2
10201 / 10200	DEF IN Lower (Early) Miocene	DEF AT 2
10230 / 10229	DEF AT local marker foram decrease	DEF AT 2
10320 / 10319	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT 2
10350 / 10349	DEF IN Lower Miocene (Aquitanian) Siphonina davisii	DEF AT 2
10380 / 10379	DEF AT local marker benthic foram increase	DEF AT 2
10469 / 10468	DEF AT drilling material	DEF AT 2
10470 / 10469	DEF AT local marker foram decrease	DEF AT 2
10710 / 10709	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT 2
10740 / 10739	DEF AT local marker benthic foram increase	DEF AT 2
10770 / 10769	DEF AT last sample examined	DEF AT 2

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 42	Date of Summary: 01-NOV-2005	First Sample Examined: 9990
Lease Number: G22500	Source of Paleo: OPERATOR	Borehole MD: 18901
Well Name: 002	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 18800
API Well Number: 177004123200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 9990 - 18900	Water Depth: 29
Public Info Code: Y 12-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Fiesta Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 / 9989	DEF AT first sample examined	POS AT 2
9991 / 9990	DEF IN Lower Miocene (Aquitanian) Siphonina davisii	POS AT 2
10020 / 10019	DEF AT local marker foram decrease	POS AT 2
10080 / 10079	DEF AT local marker foram increase	DEF AT 2
10410 / 10409	DEF AT Arenaceous fauna (local marker)	DEF AT 2
10830 / 10829	DEF AT local marker foram decrease	DEF AT 2
10950 / 10949	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 2
11070 / 11069	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF IN 2
11100 / 11099	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF IN 2
11220 / 11219	DEF AT - - - - -	DEF AT 2
11250 / 11249	DEF AT foram flood	DEF IN 2
11310 / 11309	DEF AT Eggerella sp. (local marker)	DEF IN 2
11370 / 11369	DEF AT local marker planktic foram increase	DEF IN 2
11490 / 11489	DEF AT local marker foram decrease	DEF AT 2
11580 / 11579	DEF AT local marker planktic foram increase	DEF AT 2
11610 / 11609	DEF AT faunal change (no faunal increase)	DEF AT 2
11640 / 11639	DEF AT local marker benthic foram increase	DEF AT 2
11730 / 11729	DEF AT local marker foram decrease	DEF AT 2
11790 / 11789	DEF AT faunal change (no faunal increase)	POS AT 2
11880 / 11879	DEF AT faunal change (no faunal increase)	DEF AT 2
11910 / 11909	DEF AT Eggerella sp. (local marker)	DEF AT 2
12030 / 12029	DEF AT deepwater facies Abbeville Iberia	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 42	Date of Summary: 01-NOV-2005	First Sample Examined: 9990
Lease Number: G22500	Source of Paleo: OPERATOR	Borehole MD: 18901
Well Name: 002	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 18800
API Well Number: 177004123200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 9990 - 18900	Water Depth: 29
Public Info Code: Y 12-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12060 / 12059	DEF AT Eggerella sp. (local marker)	DEF IN 2
12180 / 12179	DEF AT local marker benthic foram increase	DEF AT 2
12330 / 12328	DEF AT local marker foram increase	DEF IN 2
12480 / 12476	DEF AT local marker benthic foram increase	DEF IN 2
12540 / 12535	DEF AT faunal change (no faunal increase)	DEF AT 2
12570 / 12564	DEF AT Eggerella sp. (local marker)	DEF AT 3
12600 / 12594	DEF AT local marker foram increase	DEF IN 2
12660 / 12652	DEF AT local marker foram decrease	DEF AT 2
13200 / 13163	DEF AT Eggerella sp. (local marker)	DEF IN 2
13230 / 13191	DEF AT local marker foram decrease	DEF AT 2
13650 / 13585	DEF AT local marker benthic foram increase	DEF AT 2
13680 / 13613	DEF AT local marker benthic foram increase	DEF IN 2
13710 / 13641	DEF AT local marker benthic foram increase	DEF AT 2
13740 / 13670	DEF AT local marker foram decrease	DEF AT 2
14610 / 14512	DEF AT faunal change (no faunal increase)	DEF IN 2
14640 / 14542	DEF AT local marker benthic foram increase	DEF IN 2
14670 / 14572	DEF AT faunal change (no faunal increase)	DEF AT 2
14790 / 14691	DEF AT local marker benthic foram increase	DEF IN 2
14850 / 14751	DEF AT Cyclammina cancellata (local marker)	DEF AT 2
14879 / 14780	DEF IN deepwater facies Abbeville Iberia	DEF IN 3
14880 / 14781	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
14940 / 14841	DEF AT local marker planktic foram increase	DEF IN 3
14970 / 14871	DEF AT Eggerella sp. (local marker)	DEF AT 3
15000 / 14901	DEF AT local marker deep water fauna	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 42	Date of Summary: 01-NOV-2005	First Sample Examined: 9990
Lease Number: G22500	Source of Paleo: OPERATOR	Borehole MD: 18901
Well Name: 002	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 18800
API Well Number: 177004123200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 9990 - 18900	Water Depth: 29
Public Info Code: Y 12-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
15330 / 15231	DEF AT Lower Miocene (Aquitanian) Cristellaria "R"	DEF AT 3
15360 / 15261	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT 3
15450 / 15351	DEF AT local marker foram decrease	DEF AT 2
15510 / 15411	DEF AT local marker benthic foram increase	DEF IN 2
15540 / 15441	DEF AT local marker foram decrease	DEF AT 2
15720 / 15621	DEF AT local marker foram increase	DEF IN 2
15780 / 15681	DEF AT local marker foram decrease	DEF AT 2
15930 / 15831	DEF AT local marker planktic foram increase	DEF AT 2
15960 / 15861	DEF AT local marker planktic foram increase	DEF IN 2
15990 / 15891	DEF AT - - - -	DEF AT 2
16020 / 15921	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 2
16050 / 15951	DEF AT local marker benthic foram increase	DEF IN 2
16140 / 16041	DEF AT faunal change (no faunal increase)	DEF AT 3
16170 / 16071	DEF AT reworked material	DEF AT 3
16320 / 16221	DEF AT faunal change (no faunal increase)	POS AT 4
16350 / 16251	DEF AT faunal change (no faunal increase)	DEF AT 3
16380 / 16281	DEF AT local marker benthic foram increase	POS AT 4
16410 / 16311	DEF AT Cyclammina cancellata (local marker)	POS AT 4
16440 / 16341	DEF AT faunal change (no faunal increase)	DEF IN 3
16470 / 16371	DEF AT faunal change (no faunal increase)	DEF IN 3
16590 / 16491	DEF AT local marker planktic foram increase	DEF IN 3
16620 / 16521	DEF AT local marker benthic foram increase	POS AT 4
16650 / 16551	DEF AT local marker deep water fauna	DEF AT 4
16680 / 16581	DEF AT local marker foram decrease	DEF IN 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 42	Date of Summary: 01-NOV-2005	First Sample Examined: 9990
Lease Number: G22500	Source of Paleo: OPERATOR	Borehole MD: 18901
Well Name: 002	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 18800
API Well Number: 177004123200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 9990 - 18900	Water Depth: 29
Public Info Code: Y 12-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16710 / 16611	DEF AT faunal change (no faunal increase)	DEF AT 3
16740 / 16641	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
16800 / 16701	DEF AT local marker planktic foram increase	DEF IN 3
16890 / 16791	DEF AT faunal change (no faunal increase)	DEF IN 2
16950 / 16851	DEF AT local marker benthic foram increase	DEF IN 2
16980 / 16881	DEF AT faunal change (no faunal increase)	DEF AT 3
17010 / 16911	DEF AT faunal change (no faunal increase)	DEF IN 2
17070 / 16971	DEF AT local marker foram decrease	DEF AT 2
17250 / 17151	DEF AT local marker benthic foram increase	DEF AT 2
17400 / 17301	DEF AT local marker planktic foram increase	DEF AT 2
17430 / 17330	DEF AT local marker foram decrease	DEF AT 2
17700 / 17600	POS AT limestone	DEF AT 2
18270 / 18170	POS AT local marker foram increase	DEF AT 2
18330 / 18230	DEF AT local marker foram decrease	DEF AT 2
18480 / 18380	POS AT local marker foram increase	DEF AT 2
18600 / 18499	DEF AT local marker foram decrease	DEF AT 2
18720 / 18619	DEF AT local marker foram increase	DEF AT 2
18750 / 18649	DEF AT Bathysiphon fauna	DEF AT 2
18810 / 18709	DEF AT local marker foram decrease	DEF AT 2
18900 / 18799	DEF AT last sample examined	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 61	Date of Summary: 26-NOV-1996	First Sample Examined: 10830
Lease Number: G09383	Source of Paleo: OPERATOR	Borehole MD: 14866
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13588
API Well Number: 177004094600	Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC	Rkb Elevation: 119
Paleo Report Num: 1 of 2	Sample Range: 10830 - 14389	Water Depth: 36
Public Info Code: Y 14-DEC-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10830 / 9952	DEF AT first sample examined	DEF AT 2
11070 / 10175	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
13320 / 12207	DEF AT - - - - -	DEF AT 4
13860 / 12681	DEF AT - - - - -	DEF AT 3
14010 / 12815	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
14389 / 13155	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 61	Date of Summary: 26-NOV-1996	First Sample Examined: 14220
Lease Number: G09383	Source of Paleo: OPERATOR	Borehole MD: 14866
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13588
API Well Number: 177004094600	Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC	Rkb Elevation: 119
Paleo Report Num: 2 of 2	Sample Range: 14220 - 14866	Water Depth: 36
Public Info Code: Y 14-DEC-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14220 / 13002	DEF AT first sample examined	DEF AT 3
14670 / 13410	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 3
14866 / 13588	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 61	Date of Summary: 06-MAR-1997	First Sample Examined: 11280
Lease Number: G09386	Source of Paleo: OPERATOR	Borehole MD: 17196
Well Name: B002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14425
API Well Number: 177004095400	Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC	Rkb Elevation: 123
Paleo Report Num: 1 of 2	Sample Range: 11280 - 16980	Water Depth: 36
Public Info Code: Y 03-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11280 / 9994	DEF AT first sample examined	DEF AT 2
11670 / 10273	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
12150 / 10633	DEF IN Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 3
14370 / 12232	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
16980 / 14248	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 61	Date of Summary: 06-MAR-1997	First Sample Examined: 16980
Lease Number: G09386	Source of Paleo: OPERATOR	Borehole MD: 17196
Well Name: B002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14425
API Well Number: 177004095400	Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC	Rkb Elevation: 123
Paleo Report Num: 2 of 2	Sample Range: 16960 - 17196	Water Depth: 36
Public Info Code: Y 03-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Sidetrack report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16960 / 14231	DEF AT first sample examined	DEF AT 3
17196 / 14425	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 61	Date of Summary: 19-OCT-1995	First Sample Examined: 0
Lease Number: G09387	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15700
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 13981
API Well Number: 177004090700	Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 36
Public Info Code: Y 11-APR-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11160 / 10064	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
14890 / 13300	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
15600 / 13896	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 66	Date of Summary: 18-NOV-1997	First Sample Examined: 0
Lease Number: G01860	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9240
Well Name: C002	Paleo Done By: OPERATOR	Borehole TVD: 8434
API Well Number: 177004036601	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 32
Public Info Code: Y 18-NOV-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7040 / 6889	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
7588 / 7292	DEF AT deepwater facies Harang	DEF AT
8666 / 8050	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 66	Date of Summary: 18-AUG-1997	First Sample Examined: 0
Lease Number: G02826	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11044
Well Name: B016	Paleo Done By: OPERATOR	Borehole TVD: 10614
API Well Number: 177004097100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 32
Public Info Code: Y 12-AUG-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6850 / 6645	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
7630 / 7357	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
8454 / 8113	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
10432 / 10003	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 102	Date of Summary: 09-APR-1997	First Sample Examined: 0
Lease Number: 00247	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16484
Well Name: 027	Paleo Done By: OPERATOR	Borehole TVD: 16484
API Well Number: 177004095900	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 09-APR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8750 / 8749	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10180 / 10179	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
11080 / 11079	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
12400 / 12398	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 109	Date of Summary: 16-JAN-2007	First Sample Examined: 5090
Lease Number: G23744	Source of Paleo: OPERATOR	Borehole MD: 18202
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17047
API Well Number: 177004126100	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 5090 - 18200	Water Depth: 42
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity table available, 6920=Globigerinoides subquadratus, 9440=Discorbis crosbiei, 9620=Globigerinoides diminutus, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5090 / 5090	DEF AT first sample examined	DEF AT 1
5180 / 5180	DEF AT - - - - -	DEF AT 2
5300 / 5300	DEF AT - - - - -	DEF AT 1
5630 / 5630	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 1
5660 / 5660	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 1
5719 / 5719	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
5720 / 5720	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF AT 2
5780 / 5780	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 2
5930 / 5930	DEF AT - - - - -	DEF AT 1
6110 / 6110	DEF AT - - - - -	DEF AT 2
6260 / 6260	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 2
6440 / 6440	DEF AT - - - - -	DEF AT 3
6590 / 6590	DEF AT - - - - -	DEF AT 2
6650 / 6650	DEF AT - - - - -	DEF AT 1
6800 / 6800	DEF AT - - - - -	DEF AT 2
6920 / 6920	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 2
6950 / 6950	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 2
7250 / 7250	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 2
7340 / 7340	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
7520 / 7520	DEF AT - - - - -	DEF IN 3
7610 / 7610	DEF AT - - - - -	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 109	Date of Summary: 16-JAN-2007	First Sample Examined: 5090
Lease Number: G23744	Source of Paleo: OPERATOR	Borehole MD: 18202
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17047
API Well Number: 177004126100	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 5090 - 18200	Water Depth: 42
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7670 / 7670	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 3
7730 / 7730	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 3
7820 / 7820	DEF AT -----	DEF AT 3
8090 / 8090	DEF AT -----	DEF AT 2
8120 / 8120	DEF AT -----	DEF AT 1
8360 / 8360	DEF AT -----	DEF AT 2
8419 / 8419	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 2
8420 / 8420	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 2
8600 / 8600	DEF AT -----	DEF AT 1
8750 / 8749	DEF AT -----	DEF AT 2
8870 / 8869	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 3
9019 / 9017	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 3
9020 / 9018	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
9439 / 9432	DEF AT local marker (general)	DEF AT 3
9440 / 9433	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
9620 / 9608	DEF AT local marker planktic foram increase	DEF AT 3
9710 / 9693	DEF AT -----	DEF AT 2
9920 / 9889	DEF AT -----	DEF AT 1
10100 / 10048	DEF AT -----	DEF AT 2
10130 / 10074	DEF AT -----	DEF AT 1
10280 / 10204	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
10460 / 10358	DEF AT -----	DEF AT 1
10880 / 10720	DEF AT -----	DEF AT 2
11240 / 11031	DEF AT -----	DEF AT 1

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 109	Date of Summary: 16-JAN-2007	First Sample Examined: 5090
Lease Number: G23744	Source of Paleo: OPERATOR	Borehole MD: 18202
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17047
API Well Number: 177004126100	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 5090 - 18200	Water Depth: 42
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11390 / 11160	DEF AT -----	DEF AT 2
11570 / 11316	POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 2
12350 / 12001	DEF AT reworked material	DEF AT 2
12410 / 12053	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
12470 / 12105	DEF AT -----	DEF AT 2
12530 / 12157	DEF AT -----	DEF AT 1
12710 / 12311	DEF AT -----	DEF AT 2
12740 / 12337	DEF AT -----	DEF AT 1
12890 / 12464	DEF AT -----	DEF AT 2
13100 / 12643	DEF AT -----	DEF AT 3
13279 / 12795	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 4
13280 / 12796	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 4
13310 / 12822	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
13370 / 12873	DEF AT -----	DEF AT 3
13610 / 13078	DEF AT -----	DEF AT 2
14300 / 13680	DEF AT -----	DEF AT 3
14330 / 13707	DEF AT -----	DEF AT 2
14690 / 14032	DEF AT -----	DEF AT 3
14720 / 14058	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 4
14960 / 14267	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
15080 / 14372	DEF AT -----	DEF AT 3
15290 / 14558	DEF AT -----	DEF AT 2
15500 / 14746	DEF AT -----	DEF AT 3
15890 / 15094	DEF AT -----	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 109	Date of Summary: 16-JAN-2007	First Sample Examined: 5090
Lease Number: G23744	Source of Paleo: OPERATOR	Borehole MD: 18202
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17047
API Well Number: 177004126100	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 5090 - 18200	Water Depth: 42
Public Info Code: Y 30-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16370 / 15498	DEF AT -----	DEF AT 3
16730 / 15800	DEF AT -----	DEF AT 4
16850 / 15901	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 4
17300 / 16278	DEF AT reworked material	DEF AT 4
17780 / 16685	DEF AT -----	DEF AT 3
17960 / 16839	DEF AT -----	DEF AT 2
18110 / 16968	DEF AT -----	DEF AT 3
18200 / 17045	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 128	Date of Summary: 23-APR-2001	First Sample Examined: 0
Lease Number: G21537	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8507
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 8507
API Well Number: 177004108300	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 38
Public Info Code: Y 30-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7400 / 7399	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8170 / 8169	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 130	Date of Summary: 26-AUG-1996	First Sample Examined: 7660
Lease Number: G12761	Source of Paleo: OPERATOR	Borehole MD: 14800
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14800
API Well Number: 177004094000	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 7660 - 14800	Water Depth: 40
Public Info Code: Y 10-SEP-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7660 / 7660	DEF AT first sample examined	DEF AT 2
7690 / 7690	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
7780 / 7780	DEF AT - - - - -	DEF AT 3
8290 / 8289	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
8830 / 8829	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
9850 / 9849	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
11650 / 11649	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
13300 / 13299	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
13540 / 13539	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 4
14800 / 14798	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 135	Date of Summary: 28-NOV-2006	First Sample Examined: 4600
Lease Number: G23747	Source of Paleo: OPERATOR	Borehole MD: 11396
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 11380
API Well Number: 177004124400	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 4600 - 11396	Water Depth: 40
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity table available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4600 / 4600	DEF AT first sample examined	DEF AT 1
4750 / 4750	DEF AT - - - - -	DEF AT 2
4810 / 4810	DEF AT - - - - -	DEF AT 1
4960 / 4960	DEF AT - - - - -	DEF AT 2
4990 / 4990	DEF AT - - - - -	DEF AT 1
5080 / 5080	POS IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 1
5110 / 5110	DEF AT - - - - -	POS AT 1
5170 / 5170	DEF AT - - - - -	DEF AT 2
5200 / 5200	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT 2
5290 / 5290	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 2
5560 / 5560	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
5800 / 5800	DEF IN Upper Miocene (Tortonian) Bigenerina "B"	DEF AT 2
5890 / 5890	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 2
5950 / 5950	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 2
6190 / 6190	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 2
6249 / 6249	DEF AT local marker foram increase	DEF AT 2
6250 / 6250	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
6580 / 6580	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 3
6640 / 6640	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
6790 / 6790	DEF AT - - - - -	DEF AT 2
6970 / 6970	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 135	Date of Summary: 28-NOV-2006	First Sample Examined: 4600
Lease Number: G23747	Source of Paleo: OPERATOR	Borehole MD: 11396
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 11380
API Well Number: 177004124400	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 4600 - 11396	Water Depth: 40
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
7000 / 7000	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
7030 / 7030	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
7090 / 7090	DEF AT - - - - -	DEF AT 2
7330 / 7330	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
7390 / 7390	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
7420 / 7420	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 3
7540 / 7540	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
7690 / 7690	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
7750 / 7750	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
7810 / 7810	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 3
8530 / 8530	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
8560 / 8560	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 3
8650 / 8650	DEF AT - - - - -	DEF AT 2
9010 / 9010	DEF AT Middle Miocene (Langhian) Globigerinoides sicani	DEF AT 3
9190 / 9190	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
9280 / 9280	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 3
9580 / 9580	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
9610 / 9610	DEF IN Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 3
9640 / 9640	DEF AT - - - - -	POS AT 3
9700 / 9700	POS AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
10179 / 10178	POS AT out-of-place section	DEF AT 3
10180 / 10179	DEF AT Lower Miocene (Burdigalian) Camerina 1	DEF AT 3
10390 / 10389	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
10510 / 10509	DEF AT - - - - -	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 135	Date of Summary: 28-NOV-2006	First Sample Examined: 4600
Lease Number: G23747	Source of Paleo: OPERATOR	Borehole MD: 11396
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 11380
API Well Number: 177004124400	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 4600 - 11396	Water Depth: 40
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10990 / 10984	DEF AT -----	DEF AT 3
11110 / 11102	DEF AT -----	DEF AT 2
11200 / 11190	DEF AT local marker benthic foram increase	DEF AT 2
11260 / 11249	DEF IN local marker floral increase	DEF AT 2
11396 / 11380	DEF AT last sample examined	DEF AT 2

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 135	Date of Summary: 28-NOV-2006	First Sample Examined: 11400
Lease Number: G23747	Source of Paleo: OPERATOR	Borehole MD: 15206
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 14300
API Well Number: 177004124401	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 11400 - 15206	Water Depth: 42
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity table available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11400 / 11391	DEF AT first sample examined	DEF AT 2
11550 / 11538	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
11670 / 11653	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 3
11760 / 11739	DEF AT -----	DEF AT 2
12150 / 12091	POS AT local marker benthic foram increase	DEF AT 3
12180 / 12117	DEF AT -----	DEF AT 2
12660 / 12500	DEF AT -----	DEF AT 1
12870 / 12653	DEF AT -----	POS AT 1
12960 / 12718	DEF AT -----	DEF AT 1
12990 / 12740	DEF AT -----	POS AT 1
13200 / 12888	DEF AT -----	DEF AT 1
13230 / 12909	DEF AT -----	POS AT 1
13350 / 12994	DEF AT -----	DEF AT 1
13380 / 13015	DEF AT -----	POS AT 1
13440 / 13058	DEF AT -----	DEF AT 1
13530 / 13122	DEF AT -----	POS AT 1
13590 / 13166	DEF AT -----	DEF AT 2
13620 / 13187	POS AT -----	DEF AT 1
13770 / 13296	DEF AT -----	DEF AT 2
13890 / 13383	DEF AT -----	POS AT 2
13950 / 13425	DEF AT -----	DEF AT 1

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 135	Date of Summary: 28-NOV-2006	First Sample Examined: 11400
Lease Number: G23747	Source of Paleo: OPERATOR	Borehole MD: 15206
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 14300
API Well Number: 177004124401	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 11400 - 15206	Water Depth: 42
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
14040 / 13488	DEF AT -----	DEF AT 2
14310 / 13675	DEF AT -----	POS AT 2
14400 / 13737	DEF AT -----	DEF AT 1
14430 / 13758	DEF AT -----	POS AT 1
14500 / 13807	DEF AT -----	DEF AT 1
14560 / 13849	DEF AT -----	POS AT 1
14710 / 13954	DEF AT -----	DEF AT 2
14740 / 13975	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 2
14799 / 14015	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 4
14800 / 14016	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 4
14890 / 14078	DEF AT -----	DEF AT 3
15160 / 14267	DEF AT -----	DEF AT 4
15206 / 14299	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 135	Date of Summary: 28-NOV-2006	First Sample Examined: 11200
Lease Number: G23747	Source of Paleo: OPERATOR	Borehole MD: 17732
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17500
API Well Number: 177004124402	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 11200 - 17730	Water Depth: 42
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity table available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11200 / 11194	DEF AT first sample examined	POS AT 2
11230 / 11223	DEF AT -----	DEF AT 2
11260 / 11253	DEF AT -----	POS AT 2
11590 / 11578	DEF AT -----	DEF AT 2
11680 / 11666	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 3
11710 / 11695	DEF AT -----	DEF AT 2
11860 / 11841	DEF AT reworked material	DEF AT 2
12670 / 12597	DEF AT -----	POS AT 2
12820 / 12735	DEF AT -----	DEF AT 2
12849 / 12762	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
12850 / 12762	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 4
13000 / 12901	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 4
13570 / 13427	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
14226 / 14040	DEF AT cement	DEF AT 3
14490 / 14292	DEF AT -----	DEF AT 2
14820 / 14610	DEF AT -----	DEF AT 3
14970 / 14755	DEF AT -----	DEF AT 4
15330 / 15107	DEF AT -----	DEF AT 3
15720 / 15494	DEF AT -----	DEF AT 4
15780 / 15553	DEF AT -----	DEF AT 3
15870 / 15643	DEF AT -----	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 135	Date of Summary: 28-NOV-2006	First Sample Examined: 11200
Lease Number: G23747	Source of Paleo: OPERATOR	Borehole MD: 17732
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17500
API Well Number: 177004124402	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 11200 - 17730	Water Depth: 42
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15960 / 15733	DEF AT -----	POS AT 2
16020 / 15793	DEF AT -----	DEF AT 2
16290 / 16062	DEF AT -----	DEF AT 1
16320 / 16092	DEF AT -----	POS AT 1
16440 / 16212	DEF AT -----	DEF AT 1
16470 / 16242	DEF AT -----	POS AT 1
16950 / 16721	DEF AT -----	DEF AT 2
17010 / 16780	POS IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
17100 / 16870	DEF AT -----	DEF AT 4
17129 / 16899	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 4
17130 / 16900	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 4
17160 / 16930	DEF AT reworked material	DEF AT 4
17400 / 17169	DEF AT -----	DEF AT 3
17610 / 17378	DEF AT -----	DEF AT 4
17730 / 17498	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 147	Date of Summary: 13-MAY-2005	First Sample Examined: 11800
Lease Number: G22518	Source of Paleo: OPERATOR	Borehole MD: 16777
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16774
API Well Number: 177004122300	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 11800 - 16750	Water Depth: 45
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11800 / 11799	DEF AT first sample examined	DEF AT 3
11801 / 11800	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
16750 / 16747	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 153	Date of Summary: 08-DEC-2003	First Sample Examined: 8000
Lease Number: G10549	Source of Paleo: OPERATOR	Borehole MD: 16364
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16362
API Well Number: 177004117500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 8000 - 16365	Water Depth: 43
Public Info Code: Y 05-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 7999	DEF AT first sample examined	DEF AT 2
8100 / 8099	DEF AT - - - -	DEF AT 3
8160 / 8159	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
8760 / 8759	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
8879 / 8878	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 3
8880 / 8879	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 3
9000 / 8998	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
9240 / 9238	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
9480 / 9478	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 2
10200 / 10198	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
11400 / 11398	DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF AT 3
11460 / 11458	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 3
12690 / 12688	DEF AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 3
13830 / 13828	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
14430 / 14428	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 4
14580 / 14578	DEF AT local marker benthic foram increase	DEF AT 3
15720 / 15718	POS AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 3
16080 / 16078	DEF AT local marker planktic foram increase	DEF AT 4
16365 /	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 153	Date of Summary: 08-DEC-2003	First Sample Examined: 8000
Lease Number: G10549	Source of Paleo: OPERATOR	Borehole MD: 16364
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16362
API Well Number: 177004117500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 8000 - 16365	Water Depth: 43
Public Info Code: Y 05-AUG-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8000 / 7999	DEF AT first sample examined	DEF AT
8160 / 8159	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
8760 / 8759	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
8880 / 8879	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
12690 / 12688	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF AT
13860 / 13858	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
14520 / 14518	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
16365 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 153	Date of Summary: 08-DEC-2003	First Sample Examined: 13587
Lease Number: G10549	Source of Paleo: OPERATOR	Borehole MD: 16767
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16200
API Well Number: 177004117501	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 13587 - 16767	Water Depth: 43
Public Info Code: Y 05-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13587 / 13585	DEF AT first sample examined	DEF AT 3
13588 / 13586	DEF IN Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 3
13830 / 13827	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
14610 / 14533	DEF AT local marker foram decrease	DEF AT 3
14910 / 14770	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
14939 / 14792	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 3
14940 / 14793	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 3
16710 / 16156	DEF AT faunal change (no faunal increase)	DEF AT 4
16767 / 16200	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 153	Date of Summary: 08-DEC-2003	First Sample Examined: 13587
Lease Number: G10549	Source of Paleo: OPERATOR	Borehole MD: 16767
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16200
API Well Number: 177004117501	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 13587 - 16770	Water Depth: 43
Public Info Code: Y 05-AUG-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13587 / 13585	DEF AT first sample examined	DEF AT
13800 / 13797	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
14670 / 14582	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
16680 / 16132	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
16770 /	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 175	Date of Summary: 06-OCT-2003	First Sample Examined: 10000
Lease Number: G21538	Source of Paleo: OPERATOR	Borehole MD: 15300
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15280
API Well Number: 177004116800	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 10000 - 15300	Water Depth: 40
Public Info Code: Y 30-JUN-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 10000	DEF AT first sample examined	DEF AT 3
10090 / 10090	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
11230 / 11230	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 3
11620 / 11620	DEF AT local marker planktic foram increase	DEF AT 3
11650 / 11650	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
11980 / 11980	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
12730 / 12729	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
14680 / 14671	DEF AT - - - - -	DEF AT 4
15300 / 15280	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 182	Date of Summary: 14-NOV-1996	First Sample Examined: 4000
Lease Number: G15062	Source of Paleo: OPERATOR	Borehole MD: 15650
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13944
API Well Number: 177004093600	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 167
Paleo Report Num: 1 of 3	Sample Range: 4000 - 12190	Water Depth: 52
Public Info Code: Y 28-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Original hole report

MD / TVD	Paleo Top Description	Ecozone
4000 / 4000	DEF AT first sample examined	DEF AT 2
5950 / 5942	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
6580 / 6572	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
7480 / 7471	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
7960 / 7951	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
8530 / 8521	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
9340 / 9331	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
9820 / 9798	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
10120 / 10079	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
12100 / 11679	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
12947 / 12213	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 182	Date of Summary: 14-NOV-1996	First Sample Examined: 12120
Lease Number: G15062	Source of Paleo: OPERATOR	Borehole MD: 15650
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13944
API Well Number: 177004093600	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 167
Paleo Report Num: 2 of 3	Sample Range: 12120 - 12947	Water Depth: 52
Public Info Code: Y 28-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Sidetrack 1 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12120 / 11692	DEF AT first sample examined	DEF AT 3
12180 / 11730	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 3
12947 / 12213	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 182	Date of Summary: 14-DEC-1996	First Sample Examined: 12930
Lease Number: G15062	Source of Paleo: OPERATOR	Borehole MD: 15650
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13944
API Well Number: 177004093600	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 167
Paleo Report Num: 3 of 3	Sample Range: 12930 - 14880	Water Depth: 52
Public Info Code: Y 28-OCT-2006	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Sidetrack 2 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12930 / 12203	DEF AT first sample examined	DEF AT 3
14880 / 13468	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
15650 / 13944	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 195	Date of Summary: 19-AUG-1997	First Sample Examined: 0
Lease Number: G16123	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12025
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12020
API Well Number: 177004096700	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 58
Public Info Code: Y 30-JUL-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8505 / 8504	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
11220 / 11219	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
11950 / 11947	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 195	Date of Summary: 19-AUG-1997	First Sample Examined: 0
Lease Number: G16123	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11675
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 10852
API Well Number: 177004097200	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 58
Public Info Code: Y 30-JUL-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8860 / 8466	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
11115 / 10334	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 201	Date of Summary: 01-JUN-2002	First Sample Examined: 4500
Lease Number: G22523	Source of Paleo: OPERATOR	Borehole MD: 19500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19500
API Well Number: 177004112800	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 4500 - 19500	Water Depth: 58
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Paleo done by Rachel N Rosen, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT 1
5040 / 5040	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 1
6600 / 6600	DEF AT -----	DEF AT 2
7080 / 7080	DEF AT -----	DEF IN 2
7140 / 7140	DEF AT -----	DEF AT 1
7680 / 7680	DEF AT -----	DEF IN 2
7770 / 7770	DEF AT Cyclammina cancellata (local marker)	DEF IN 2
7860 / 7860	DEF AT -----	DEF AT 3
7920 / 7920	DEF AT -----	DEF AT 2
8100 / 8100	DEF AT -----	DEF IN 2
8790 / 8790	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 3
8940 / 8940	DEF AT -----	DEF AT 2
9930 / 9930	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 2
10050 / 10050	DEF AT -----	DEF AT 1
10440 / 10439	DEF AT -----	DEF IN 2
10860 / 10859	DEF AT Eggerella sp. (local marker)	DEF AT 3
10980 / 10979	DEF AT local marker benthic foram increase	DEF AT 3
11040 / 11039	DEF AT -----	DEF IN 2
11130 / 11129	DEF AT -----	DEF AT 3
11250 / 11249	DEF AT foram flood	DEF AT 3
11370 / 11369	DEF AT -----	DEF IN 3
11520 / 11519	DEF AT -----	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 201	Date of Summary: 01-JUN-2002	First Sample Examined: 4500
Lease Number: G22523	Source of Paleo: OPERATOR	Borehole MD: 19500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19500
API Well Number: 177004112800	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 4500 - 19500	Water Depth: 58
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
11610 / 11609	DEF AT - - - - -	DEF AT 3
11700 / 11699	DEF AT foram flood	DEF AT 3
11940 / 11939	DEF AT foram flood	DEF IN 3
12390 / 12389	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 3
12510 / 12509	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 3
12630 / 12629	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12660 / 12659	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
12840 / 12839	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
12870 / 12869	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
13260 / 13259	DEF AT - - - - -	DEF AT 2
13350 / 13349	DEF AT - - - - -	DEF AT 3
13530 / 13529	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
14040 / 14039	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 3
14280 / 14279	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
14880 / 14879	DEF AT - - - - -	DEF AT 3
15210 / 15209	DEF AT Eggerella sp. (local marker)	DEF AT 3
15540 / 15539	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
15810 / 15809	DEF AT local marker deep water fauna	DEF AT 3
15840 / 15839	DEF AT local marker benthic foram increase	DEF AT 4
16480 / 16478	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 4
16500 / 16498	DEF AT local marker benthic foram increase	DEF AT 4
16590 / 16588	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 4
17040 / 17038	DEF AT - - - - -	DEF AT 3
17640 / 17638	DEF AT Arenaceous fauna (local marker)	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 201	Date of Summary: 01-JUN-2002	First Sample Examined: 4500
Lease Number: G22523	Source of Paleo: OPERATOR	Borehole MD: 19500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19500
API Well Number: 177004112800	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 4500 - 19500	Water Depth: 58
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17880 / 17878	DEF AT -----	DEF AT 4
17970 / 17968	DEF AT -----	DEF AT 3
18330 / 18327	DEF AT -----	DEF AT 4
18540 / 18537	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 4
18960 / 18956	DEF AT Arenaceous fauna (local marker)	DEF AT 4
19500 / 19495	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 206	Date of Summary: 24-NOV-1997	First Sample Examined: 0
Lease Number: G03496	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14900
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14900
API Well Number: 177004095700	Drilling Operator: DEVON SFS OPERATING INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 57
Public Info Code: Y 27-JAN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11280 / 11279	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
11460 / 11459	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 206	Date of Summary: 05-JAN-1998	First Sample Examined: 0
Lease Number: G03496	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13135
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 11672
API Well Number: 177004097501	Drilling Operator: DEVON SFS OPERATING INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 58
Public Info Code: Y 16-DEC-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
5400 / 5388	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
7120 / 6849	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9640 / 8897	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12100 / 10872	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
12914 / 11554	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 247	Date of Summary: 09-OCT-2003	First Sample Examined: 800
Lease Number: G22533	Source of Paleo: OPERATOR	Borehole MD: 4600
Well Name: 001	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 4600
API Well Number: 177004117700	Drilling Operator: J M HUBER CORPORATION	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 800 - 4600	Water Depth: 80
Public Info Code: Y 30-JUN-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Paleobathymetry is brackish to marginal marine from 950 to 3519, and from 4090 to 4239

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
800 / 800	DEF AT first sample examined	DEF AT 1
801 / 801	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 1
3520 / 3520	DEF AT non-marine sediment	DEF AT 0
4240 / 4240	DEF AT local marker foram increase	DEF AT 1
4420 / 4420	DEF AT - - - - -	DEF IN 1
4540 / 4540	POS IN Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 1
4570 / 4570	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 1
4600 / 4600	DEF AT last sample examined	DEF AT 1

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 265	Date of Summary: 07-JUN-2006	First Sample Examined: 4632
Lease Number: G24723	Source of Paleo: OPERATOR	Borehole MD: 19415
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19393
API Well Number: 177004123500	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 4632 - 19410	Water Depth: 80
Public Info Code: Y 25-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4632 / 4632	DEF AT first sample examined	DEF IN 1
5790 / 5789	DEF AT - - - - -	DEF AT 2
5820 / 5819	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
5850 / 5849	DEF AT - - - - -	DEF AT 3
5880 / 5879	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 3
5970 / 5969	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
6000 / 5999	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 3
6570 / 6569	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 3
7440 / 7439	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
7690 / 7689	DEF AT - - - - -	DEF AT 3
7800 / 7799	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 3
8100 / 8099	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
8160 / 8159	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
8640 / 8639	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 3
9000 / 8999	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
9090 / 9089	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
9150 / 9149	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
9810 / 9809	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 4
9930 / 9929	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
10050 / 10049	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
10230 / 10229	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
10290 / 10289	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 265	Date of Summary: 07-JUN-2006	First Sample Examined: 4632
Lease Number: G24723	Source of Paleo: OPERATOR	Borehole MD: 19415
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19393
API Well Number: 177004123500	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 4632 - 19410	Water Depth: 80
Public Info Code: Y 25-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10380 / 10378	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
10440 / 10438	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
10470 / 10468	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
10890 / 10888	DEF AT - - - - -	DEF AT 5
11430 / 11427	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
11460 / 11457	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
11550 / 11547	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
11580 / 11577	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 5
12000 / 11995	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
12130 / 12124	DEF AT - - - - -	DEF AT 4
12600 / 12592	DEF AT - - - - -	DEF AT 5
12660 / 12652	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
12720 / 12712	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
13080 / 13070	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
13230 / 13219	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
13290 / 13279	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
13380 / 13368	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
14220 / 14203	DEF AT - - - - -	DEF AT 5
14429 / 14410	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
14430 / 14411	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
14550 / 14530	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
15149 / 15128	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
15150 / 15129	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
15630 / 15609	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 265	Date of Summary: 07-JUN-2006	First Sample Examined: 4632
Lease Number: G24723	Source of Paleo: OPERATOR	Borehole MD: 19415
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19393
API Well Number: 177004123500	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 4632 - 19410	Water Depth: 80
Public Info Code: Y 25-APR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16170 / 16149	DEF AT Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i> (increase)	DEF AT 5
16260 / 16239	DEF AT Middle Miocene (Serravallian) <i>Globorotalia peripheroronda</i>	DEF AT 5
16350 / 16329	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i> (acme)	DEF AT 5
16560 / 16539	DEF AT Middle Miocene (Serravallian) <i>Discoaster petaliformis</i>	DEF AT 5
16680 / 16659	POS IN Middle Miocene (Serravallian) <i>Cibicides opima</i>	DEF AT 5
17370 / 17349	POS AT Middle Miocene (Langhian) <i>Helicosphaera ampliaperta</i>	DEF AT 5
17520 / 17498	POS AT Middle Miocene (Langhian) <i>Globigerinatella insueta</i>	DEF AT 5
18600 / 18577	DEF AT Middle Miocene (Langhian) <i>Discoaster deflandrei</i> (acme)	DEF AT 5
19020 / 18997	POS AT Middle Miocene (Langhian) <i>Robulus "L" / 43</i>	DEF AT 5
19410 / 19386	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 269	Date of Summary: 10-OCT-1995	First Sample Examined: 9020
Lease Number: G13563	Source of Paleo: OPERATOR	Borehole MD: 12910
Well Name: 001	Paleo Done By: LAURALEE R. REUGGER	Borehole TVD: 12900
API Well Number: 177004091900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 97
Paleo Report Num: 1 of 3	Sample Range: 9020 - 12950	Water Depth: 72
Public Info Code: Y 17-AUG-2005	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
9020 / 9018	DEF AT first sample examined	DEF AT
9021 / 9019	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9080 / 9078	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
9410 / 9408	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
10040 / 10038	POS AT Lower Pliocene (Zanclian) Discoaster challengeri	DEF AT
10900 / 10892	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11340 / 11314	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12700 / 12631	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
12950 / 12872	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 269	Date of Summary: 05-JAN-1996	First Sample Examined: 8480
Lease Number: G13563	Source of Paleo: OPERATOR	Borehole MD: 12910
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12900
API Well Number: 177004091900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 97
Paleo Report Num: 2 of 3	Sample Range: 8480 - 12950	Water Depth: 72
Public Info Code: Y 17-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8480 / 8479	DEF AT first sample examined	DEF AT 2
9380 / 9378	DEF AT - - - - -	DEF IN 3
10310 / 10308	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
10900 / 10892	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 3
12700 / 12631	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF IN 3
12950 / 12872	DEF AT last sample examined	DEF IN 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 269	Date of Summary: 30-JUN-1996	First Sample Examined: 8480
Lease Number: G13563	Source of Paleo: OPERATOR	Borehole MD: 12910
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12900
API Well Number: 177004091900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 97
Paleo Report Num: 3 of 3	Sample Range: 8480 - 12950	Water Depth: 72
Public Info Code: Y 17-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8480 / 8479	DEF AT first sample examined	DEF AT 2
8540 / 8539	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 2
8810 / 8808	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 2
9380 / 9378	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 3
9410 / 9408	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
9440 / 9438	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 3
9620 / 9618	DEF AT faunal change (no faunal increase)	DEF AT 2
9980 / 9978	DEF AT faunal change (no faunal increase)	DEF IN 2
10220 / 10218	DEF AT Cyclammina cancellata (local marker)	DEF IN 2
10250 / 10248	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 2
10310 / 10308	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
10400 / 10398	DEF AT faunal change (no faunal increase)	DEF AT 2
10430 / 10428	DEF AT Eggerella sp. (local marker)	DEF AT 2
10460 / 10458	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 2
10839 / 10833	DEF AT Eggerella sp. (local marker)	DEF AT 3
10840 / 10834	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
10900 / 10892	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 3
10930 / 10921	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF IN 3
10960 / 10950	DEF AT sample gap top	POS IN 3
11070 / 11056	DEF AT sample gap bottom	DEF IN 3
11510 / 11477	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT 2
11540 / 11506	DEF AT faunal change (no faunal increase)	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 269	Date of Summary: 30-JUN-1996	First Sample Examined: 8480
Lease Number: G13563	Source of Paleo: OPERATOR	Borehole MD: 12910
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12900
API Well Number: 177004091900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 97
Paleo Report Num: 3 of 3	Sample Range: 8480 - 12950	Water Depth: 72
Public Info Code: Y 17-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description				Ecozone
11570 / 11535	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF	AT		3
11690 / 11651	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF	IN		3
12030 / 11982	DEF AT Cyclammia cancellata (local marker)	DEF	IN		3
12050 / 12001	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF	IN		3
12110 / 12060	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF	IN		3
12230 / 12177	DEF AT sample gap top	POS	IN		3
12350 / 12294	DEF AT sample gap bottom	DEF	IN		3
12640 / 12574	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF	IN		3
12920 / 12843	DEF AT last sample examined	DEF	IN		3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 269	Date of Summary: 24-JAN-1996	First Sample Examined: 9970
Lease Number: G13563	Source of Paleo: OPERATOR	Borehole MD: 14555
Well Name: JA001	Paleo Done By: OPERATOR	Borehole TVD: 13000
API Well Number: 177004092400	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 9970 - 14555	Water Depth: 72
Public Info Code: Y 24-OCT-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9970 / 9744	DEF AT first sample examined	POS AT 3
10102 / 9840	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
14555 / 13000	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 269	Date of Summary: 23-AUG-1997	First Sample Examined: 0
Lease Number: G13563	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14185
Well Name: JA004	Paleo Done By: OPERATOR	Borehole TVD: 11898
API Well Number: 177004096900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 118
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 71
Public Info Code: Y 15-AUG-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10450 / 9686	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
10840 / 9906	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
11412 / 10224	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 280	Date of Summary: 24-MAR-1999	First Sample Examined: 0
Lease Number: G03382	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15748
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 14349
API Well Number: 177004032901	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 90
Public Info Code: Y 13-DEC-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10144 / 9480	DEF IN Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT
10734 / 9973	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 294	Date of Summary: 24-FEB-1997	First Sample Examined: 0
Lease Number: G04090	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9996
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 9996
API Well Number: 177014029300	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 08-JAN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
4090 / 4090	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
4600 / 4600	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
5200 / 5200	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
5560 / 5560	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6400 / 6400	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
7090 / 7090	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8230 / 8229	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
8320 / 8319	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
9005 / 9004	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
9220 / 9219	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 296	Date of Summary: 13-SEP-2001	First Sample Examined: 7020
Lease Number: G21548	Source of Paleo: OPERATOR	Borehole MD: 17785
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17749
API Well Number: 177014033100	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 7020 - 17785	Water Depth: 52
Public Info Code: Y 30-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7020 / 7019	DEF AT first sample examined	DEF AT 2
7080 / 7079	DEF AT - - - - -	DEF AT 3
7230 / 7229	DEF AT local marker foram increase	DEF AT 3
7289 / 7288	POS AT unconformity	DEF AT 3
7290 / 7289	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
7320 / 7319	DEF AT - - - - -	DEF AT 2
7440 / 7439	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 2
7470 / 7469	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
7560 / 7559	DEF AT - - - - -	DEF AT 3
7680 / 7679	DEF AT local marker planktic foram increase	DEF AT 3
7950 / 7949	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
8400 / 8399	DEF AT - - - - -	DEF AT 2
8520 / 8519	DEF AT - - - - -	DEF AT 3
8760 / 8759	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
9120 / 9119	DEF AT local marker foram increase	DEF AT 3
9900 / 9899	DEF AT local marker foram increase	DEF AT 3
10080 / 10079	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 3
10290 / 10289	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
11070 / 11069	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
11610 / 11609	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
11760 / 11759	DEF AT local marker planktic foram increase	DEF AT 3
11940 / 11939	DEF AT local marker foram increase	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 296	Date of Summary: 13-SEP-2001	First Sample Examined: 7020
Lease Number: G21548	Source of Paleo: OPERATOR	Borehole MD: 17785
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17749
API Well Number: 177014033100	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 7020 - 17785	Water Depth: 52
Public Info Code: Y 30-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
12450 / 12448	DEF AT local marker foram increase	DEF AT 3
12600 / 12598	DEF AT -----	DEF AT 2
12720 / 12718	DEF AT -----	DEF AT 3
12750 / 12748	DEF AT local marker foram increase	DEF AT 3
12900 / 12898	DEF AT local marker foram increase	DEF AT 3
13320 / 13317	DEF AT -----	DEF AT 2
13440 / 13437	DEF AT -----	DEF AT 3
13500 / 13497	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
13920 / 13916	DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF AT 3
14490 / 14485	POS AT reworked material	DEF AT 3
14910 / 14904	DEF AT -----	DEF AT 2
15270 / 15262	DEF AT -----	DEF AT 0
15450 / 15440	DEF AT -----	DEF AT 2
15840 / 15825	DEF AT -----	DEF AT 1
16020 / 16003	DEF AT -----	DEF AT 2
16680 / 16655	DEF AT -----	DEF AT 3
16740 / 16715	DEF AT -----	DEF AT 4
16770 / 16744	DEF IN Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF IN 3
17760 / 17724	DEF AT -----	DEF AT 3
17785 / 17749	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 304	Date of Summary: 25-MAY-1998	First Sample Examined: 8000
Lease Number: G17786	Source of Paleo: OPERATOR	Borehole MD: 9046
Well Name: 002	Paleo Done By: DANA LYNNE GRIFFITH	Borehole TVD: 9044
API Well Number: 177014030200	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 8000 - 9390	Water Depth: 50
Public Info Code: Y 19-APR-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 8000	DEF AT first sample examined	DEF AT 2
8001 / 8001	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
8270 / 8269	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
8360 / 8359	DEF AT - - - - -	DEF AT 2
8660 / 8659	DEF AT - - - - -	DEF AT 3
8780 / 8779	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 3
9120 /	DEF AT - - - - -	DEF AT 2
9360 /	DEF AT last sample examined	DEF AT 2

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 304	Date of Summary: 29-APR-1998	First Sample Examined: 0
Lease Number: G17786	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9391
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 9390
API Well Number: 177014030201	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 19-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6019 / 6019	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7340 / 7340	DEF IN Upper Miocene (Tortonian) Robulus 15	DEF AT
8595 / 8594	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
9197 / 9196	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 305	Date of Summary: 31-DEC-1997	First Sample Examined: 0
Lease Number: G17786	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10748
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9604
API Well Number: 177014029901	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 57
Public Info Code: Y 19-APR-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5120 / 5120	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
6230 / 6226	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7649 / 7469	DEF AT Upper Miocene (Tortonian) Robulus 15	DEF AT
9820 / 8938	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 335	Date of Summary: 01-FEB-2005	First Sample Examined: 7340
Lease Number: G23760	Source of Paleo: OPERATOR	Borehole MD: 16655
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16453
API Well Number: 177014036700	Drilling Operator: GRYPHON EXPLORATION COMPANY	Rkb Elevation: 101
Paleo Report Num: 1 of 2	Sample Range: 7340 - 16654	Water Depth: 73
Public Info Code: Y 25-APR-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7340 / 7340	DEF AT first sample examined	DEF AT 3
7430 / 7430	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
7970 / 7970	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
8210 / 8210	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
8960 / 8959	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
9710 / 9704	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
9980 / 9973	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
10040 / 10033	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
10760 / 10752	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
10940 / 10932	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
11690 / 11681	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
11810 / 11801	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
11870 / 11861	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
11900 / 11891	DEF AT - - - - -	DEF AT 5
12290 / 12281	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
12470 / 12461	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
12830 / 12821	DEF AT - - - - -	DEF AT 6
13280 / 13268	DEF AT - - - - -	DEF AT 5
13400 / 13386	DEF AT - - - - -	DEF AT 4
14840 / 14739	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
15830 / 15675	DEF AT - - - - -	DEF AT 5
16654 / 16453	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 335	Date of Summary: 01-FEB-2005	First Sample Examined: 13310
Lease Number: G23760	Source of Paleo: OPERATOR	Borehole MD: 16655
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16453
API Well Number: 177014036700	Drilling Operator: GRYPHON EXPLORATION COMPANY	Rkb Elevation: 101
Paleo Report Num: 2 of 2	Sample Range: 13310 - 16654	Water Depth: 73
Public Info Code: Y 25-APR-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13310 / 13298	DEF AT first sample examined	DEF AT
13311 / 13299	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
13312 / 13300	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
14600 / 14514	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
16654 / 16453	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 364	Date of Summary: 31-AUG-1999	First Sample Examined: 0
Lease Number: G15083	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11907
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10726
API Well Number: 177014029400	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 80
Public Info Code: Y 25-JAN-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7000 / 6955	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
7700 / 7535	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
9000 / 8471	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
10420 / 9564	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 401	Date of Summary: 04-JAN-2001	First Sample Examined: 0
Lease Number: G07619	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 4900
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 4900
API Well Number: 177014028800	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 94
Public Info Code: Y 07-APR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2131 / 2131	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
3278 / 3278	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 431	Date of Summary: 12-APR-2000	First Sample Examined: 0
Lease Number: G10584	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9150
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 9031
API Well Number: 177014029800	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 102
Public Info Code: Y 15-NOV-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8861 / 8766	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 459	Date of Summary: 07-JUL-2001	First Sample Examined: 0
Lease Number: G21056	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9327
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 9036
API Well Number: 177024129000	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 135
Public Info Code: Y 27-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9119 / 8841	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 459	Date of Summary: 10-MAY-2001	First Sample Examined: 0
Lease Number: G21056	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11246
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 9820
API Well Number: 177024128600	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 135
Public Info Code: Y 27-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10930 / 9555	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 459	Date of Summary: 07-JUN-2001	First Sample Examined: 0
Lease Number: G21056	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10172
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 9745
API Well Number: 177024128900	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 135
Public Info Code: Y 27-NOV-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8604 / 8559	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 461	Date of Summary: 09-JUN-1999	First Sample Examined: 0
Lease Number: G14336	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11940
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8115
API Well Number: 177024114500	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 130
Public Info Code: Y 10-MAR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6939 / 4955	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
8565 / 5901	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
11440 / 7773	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

<p>Area Block: WC 461</p> <p>Lease Number: G14336</p> <p>Well Name: A002</p> <p>API Well Number: 177024114800</p> <p>Paleo Report Num: 1 of 1</p> <p>Public Info Code: Y 27-MAR-2007</p>	<p>Date of Summary: 27-JUL-1997</p> <p>Source of Paleo: COMPLETION REPORT (WELL SUMMARY)</p> <p>Paleo Done By: OPERATOR</p> <p>Drilling Operator: PETSEC ENERGY INC</p> <p>Sample Range: 0 - 0</p> <p>Ecozone Eq MMS:</p>	<p>First Sample Examined: 0</p> <p>Borehole MD: 10704</p> <p>Borehole TVD: 8496</p> <p>Rkb Elevation: 95</p> <p>Water Depth: 130</p> <p>Paleo ID: 001</p>
--	---	---

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5950 / 4978	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9706 / 7764	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 479	Date of Summary: 21-AUG-1997	First Sample Examined: 0
Lease Number: G14336	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12754
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 9914
API Well Number: 177024116800	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 130
Public Info Code: Y 15-AUG-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6300 / 4347	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
11180 / 8454	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 494	Date of Summary: 09-AUG-2001	First Sample Examined: 0
Lease Number: G15097	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8846
Well Name: AJ001	Paleo Done By: OPERATOR	Borehole TVD: 7527
API Well Number: 177024127300	Drilling Operator: MATRIX OIL & GAS INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 145
Public Info Code: Y 15-OCT-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6903 / 5917	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 498	Date of Summary: 26-SEP-1995	First Sample Examined: 1275
Lease Number: G03520	Source of Paleo: OPERATOR	Borehole MD: 7010
Well Name: B003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6555
API Well Number: 177024109000	Drilling Operator: HESS CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 2	Sample Range: 1275 - 7010	Water Depth: 160
Public Info Code: Y 19-SEP-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Original hole report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1275 / 1275	DEF AT first sample examined	DEF AT 2
1480 / 1480	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
3820 / 3818	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
4840 / 4764	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
4870 / 4789	DEF AT - - - - -	POS AT 3
5950 / 5717	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 3
6430 / 6102	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	POS AT 3
7010 / 6554	DEF AT last sample examined	POS AT 3

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 498	Date of Summary: 26-SEP-1995	First Sample Examined: 5800
Lease Number: G03520	Source of Paleo: OPERATOR	Borehole MD: 7010
Well Name: B003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6555
API Well Number: 177024109000	Drilling Operator: HESS CORPORATION	Rkb Elevation: 101
Paleo Report Num: 2 of 2	Sample Range: 5800 - 10026	Water Depth: 160
Public Info Code: Y 19-SEP-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5800 / 5590	DEF AT first sample examined	POS AT 3
6070 / 5814	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 3
8140 /	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 3
10026 /	DEF AT last sample examined	POS AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 498	Date of Summary: 04-DEC-1995	First Sample Examined: 1337
Lease Number: G03520	Source of Paleo: OPERATOR	Borehole MD: 12124
Well Name: B004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9838
API Well Number: 177024109400	Drilling Operator: HESS CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 2	Sample Range: 1337 - 4400	Water Depth: 159
Public Info Code: Y 26-DEC-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1337 / 1337	DEF AT first sample examined	DEF AT 2
1500 / 1500	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
2820 / 2671	DEF AT - - - - -	DEF AT 3
2850 / 2692	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
4400 / 3789	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 498	Date of Summary: 04-DEC-1995	First Sample Examined: 3494
Lease Number: G03520	Source of Paleo: OPERATOR	Borehole MD: 12124
Well Name: B004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9838
API Well Number: 177024109400	Drilling Operator: HESS CORPORATION	Rkb Elevation: 101
Paleo Report Num: 2 of 2	Sample Range: 3494 - 12124	Water Depth: 159
Public Info Code: Y 26-DEC-2005	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Redrill 2 report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3494 / 3127	DEF AT first sample examined	DEF AT 3
5890 / 4939	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
10330 / 8460	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
11050 / 9026	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
12124 / 9838	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 499	Date of Summary: 24-OCT-2000	First Sample Examined: 0
Lease Number: G15104	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9574
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 7954
API Well Number: 177024110900	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 164
Public Info Code: Y 11-APR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4210 / 4007	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6280 / 5654	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8830 / 7515	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 507	Date of Summary: 26-NOV-1997	First Sample Examined: 0
Lease Number: G02549	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13930
Well Name: B004	Paleo Done By: OPERATOR	Borehole TVD: 10927
API Well Number: 177024108202	Drilling Operator: HUNT PETROLEUM (AEC) INC	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 148
Public Info Code: Y 23-OCT-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11150 / 9182	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 513	Date of Summary: 20-FEB-2001	First Sample Examined: 0
Lease Number: G16202	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15691
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 13805
API Well Number: 177024126901	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 172
Public Info Code: Y 29-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

MD / TVD	Paleo Top Description	Ecozone
4850 / 4850	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8440 / 8411	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8630 / 8584	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9350 / 9192	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9740 / 9512	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10635 / 10242	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12175 / 11369	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
12920 / 11864	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13980 / 12579	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14580 / 12993	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15120 / 13382	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 515	Date of Summary: 01-MAR-1999	First Sample Examined: 3460
Lease Number: G15102	Source of Paleo: OPERATOR	Borehole MD: 13159
Well Name: A001	Paleo Done By: MICRO-STRAT	Borehole TVD: 12795
API Well Number: 177024123400	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 3460 - 13160	Water Depth: 172
Public Info Code: Y 18-AUG-2005	Ecozone Eq MMS: N	Paleo ID: 002

Remark: Consultant-integrated foram and nanno report, paleobathymetry generalized - from 3460 to 10169, depositional environments range from inner to outer neritic, from 10170 to 13160, paleobathymetry ranges from upper to middle bathyal, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3460 / 3460	DEF AT first sample examined	POS AT 3
4000 / 4000	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	POS AT 3
4240 / 4240	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 3
4630 / 4630	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	POS AT 3
5320 / 5320	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS AT 3
5890 / 5890	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	POS AT 3
8469 / 8469	POS AT Upper Pliocene (Gelasian) Discoaster surculus	POS AT 3
8470 / 8470	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	POS AT 3
8800 / 8800	DEF AT local marker foram decrease	POS AT 3
9990 / 9990	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	POS AT 3
9991 / 9991	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	POS AT 3
10170 / 10170	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
10380 / 10380	DEF AT Lower Pliocene (Zanclian) Discoaster intercalaris	DEF AT 4
11190 / 11187	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
11280 / 11275	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 4
12150 / 12082	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 4
12210 / 12133	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
13130 / 12778	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 515	Date of Summary: 03-OCT-2000	First Sample Examined: 0
Lease Number: G15102	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14295
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 12852
API Well Number: 177024126500	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 172
Public Info Code: Y 18-AUG-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7440 / 7440	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10035 / 10029	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12155 / 11607	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
13100 / 12162	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 515	Date of Summary: 25-JAN-2000	First Sample Examined: 0
Lease Number: G15103	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15610
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 14929
API Well Number: 177024124100	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 174
Public Info Code: Y 27-JAN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11158 / 10700	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12120 / 11489	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12790 / 12112	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
13270 / 12590	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
15010 / 14329	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
15520 / 14839	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 515	Date of Summary: 09-JAN-2001	First Sample Examined: 5320
Lease Number: G15103	Source of Paleo: OPERATOR	Borehole MD: 13434
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 12567
API Well Number: 177024127400	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 144
Paleo Report Num: 1 of 2	Sample Range: 5320 - 13434	Water Depth: 172
Public Info Code: Y 27-JAN-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
5320 / 5318	DEF AT first sample examined	DEF AT 2
5340 / 5338	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
5880 / 5878	DEF AT - - - - -	DEF AT 3
7500 / 7498	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
10170 / 9942	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
10200 / 9965	DEF AT - - - - -	DEF AT 4
10710 / 10369	DEF AT - - - - -	DEF AT 5
12570 / 11839	DEF AT - - - - -	DEF AT 6
12960 / 12155	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
13290 / 12440	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
13434 / 12567	DEF AT last sample examined	DEF AT 6

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 515	Date of Summary: 09-JAN-2001	First Sample Examined: 5320
Lease Number: G15103	Source of Paleo: OPERATOR	Borehole MD: 13434
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 12567
API Well Number: 177024127400	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 144
Paleo Report Num: 2 of 2	Sample Range: 5320 - 13434	Water Depth: 172
Public Info Code: Y 27-JAN-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5320 / 5318	DEF AT first sample examined	DEF AT
5880 / 5878	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10170 / 9942	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10229 / 9988	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10230 / 9989	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11490 / 10989	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
13230 / 12387	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13290 / 12440	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13434 / 12567	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 516	Date of Summary: 28-MAR-2000	First Sample Examined: 0
Lease Number: G15103	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15148
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 14956
API Well Number: 177024125200	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 171
Public Info Code: Y 27-JAN-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7180 / 7179	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
11618 / 11617	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12218 / 12212	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
12826 / 12789	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 522	Date of Summary: 26-APR-1995	First Sample Examined: 1050
Lease Number: G14340	Source of Paleo: OPERATOR	Borehole MD: 8920
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 4198
API Well Number: 177024108500	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 1050 - 8030	Water Depth: 177
Public Info Code: Y 23-MAY-2005	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
1050 / 1050	DEF AT first sample examined	DEF AT 2
1649 / 1649	DEF AT local marker planktic foram increase	DEF AT 2
1650 / 1650	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
2610 / 2606	DEF AT local marker benthic foram increase	DEF AT 3
2940 / 2930	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 3
3540 / 3488	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
3930 / 3800	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
3990 / 3844	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
4230 / 4015	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 3
4860 / 4427	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3
6360 / 5423	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
7440 / 6136	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
8030 / 6581	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 524	Date of Summary: 26-AUG-1996	First Sample Examined: 0
Lease Number: G14341	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10110
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8688
API Well Number: 177024108800	Drilling Operator: UMC PETROLEUM CORPORATION	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 185
Public Info Code: Y 21-AUG-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6500 / 6363	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 528	Date of Summary: 23-DEC-1998	First Sample Examined: 0
Lease Number: G16202	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11249
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 10424
API Well Number: 177024116501	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 167
Public Info Code: Y 29-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7495 / 7261	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10142 / 9508	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 528	Date of Summary: 08-DEC-1998	First Sample Examined: 0
Lease Number: G16202	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10727
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 10315
API Well Number: 177024119000	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 167
Public Info Code: Y 29-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10142 / 9806	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 528	Date of Summary: 31-JUL-1998	First Sample Examined: 0
Lease Number: G16202	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14733
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 10110
API Well Number: 177024119901	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 167
Public Info Code: Y 29-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14558 / 9985	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 540	Date of Summary: 30-APR-1998	First Sample Examined: 0
Lease Number: G15110	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7494
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 6301
API Well Number: 177024115900	Drilling Operator: EQUITABLE PRODUCTION COMPANY	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 185
Public Info Code: Y 15-JUN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4520 / 4022	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
4840 / 4270	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
6815 / 5775	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 540	Date of Summary: 07-MAY-1998	First Sample Examined: 0
Lease Number: G15110	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7400
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 6272
API Well Number: 177024116700	Drilling Operator: EQUITABLE PRODUCTION COMPANY	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 185
Public Info Code: Y 05-JUL-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4590 / 4085	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 580	Date of Summary: 01-SEP-1995	First Sample Examined: 10480
Lease Number: G12803	Source of Paleo: OPERATOR	Borehole MD: 18018
Well Name: A002	Paleo Done By: EXCALIBER INTERPRETATIONS CO.	Borehole TVD: 17623
API Well Number: 177024108600	Drilling Operator: PENNZENERGY COMPANY	Rkb Elevation: 43
Paleo Report Num: 1 of 2	Sample Range: 10480 - 18010	Water Depth: 240
Public Info Code: Y 28-SEP-2005	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10480 / 10480	DEF AT first sample examined	DEF AT
10810 / 10810	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10900 / 10900	DEF AT local marker floral decrease	DEF AT
11109 / 11108	DEF AT local marker floral increase	DEF AT
11110 / 11109	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11290 / 11289	DEF AT local marker floral decrease	DEF AT
12070 / 12069	DEF AT local marker floral increase	DEF AT
12100 / 12099	DEF AT local marker floral decrease	DEF AT
12999 / 12970	POS AT reworked material	DEF AT
13000 / 12970	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
13270 / 13212	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
18010 / 17615	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 580	Date of Summary: 13-SEP-1995	First Sample Examined: 3010
Lease Number: G12803	Source of Paleo: OPERATOR	Borehole MD: 18018
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 17623
API Well Number: 177024108600	Drilling Operator: PENNZENERGY COMPANY	Rkb Elevation: 43
Paleo Report Num: 2 of 2	Sample Range: 3010 - 18018	Water Depth: 240
Public Info Code: Y 28-SEP-2005	Ecozone Eq MMS:	Paleo ID: 001

Remark: 5560=Glomospira charoides

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3010 / 3010	DEF AT first sample examined	DEF AT 3
3011 / 3011	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
3460 / 3460	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 3
4150 / 4150	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
5200 / 5200	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
5560 / 5560	DEF AT local marker (general)	DEF AT 4
5830 / 5830	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
6610 / 6610	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 4
7359 / 7359	POS AT condensed section	DEF AT 4
7360 / 7360	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 4
7390 / 7390	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 4
7510 / 7510	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 4
7590 / 7590	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 4
8290 / 8290	DEF AT - - - - -	POS AT 3
8710 / 8710	DEF AT - - - - -	POS AT 4
10780 / 10780	DEF AT Arenaceous fauna (local marker)	DEF AT 5
10810 / 10810	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 4
11110 / 11109	DEF AT local marker foram increase	DEF AT 4
14020 / 13831	DEF AT local marker foram increase	DEF AT 4
14260 / 14009	DEF AT local marker foram increase	POS AT 4
14890 / 14554	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
15220 / 14879	DEF AT local marker foram increase	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 580	Date of Summary: 13-SEP-1995	First Sample Examined: 3010
Lease Number: G12803	Source of Paleo: OPERATOR	Borehole MD: 18018
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 17623
API Well Number: 177024108600	Drilling Operator: PENNZENERGY COMPANY	Rkb Elevation: 43
Paleo Report Num: 2 of 2	Sample Range: 3010 - 18018	Water Depth: 240
Public Info Code: Y 28-SEP-2005	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16360 / 15994	DEF AT local marker foram increase	POS AT 5
16540 / 16170	POS AT reworked material	POS AT 5
17950 / 17556	DEF AT - - - - -	POS AT 4
18018 / 17623	DEF AT last sample examined	POS AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 600	Date of Summary: 27-DEC-1996	First Sample Examined: 0
Lease Number: G12807	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16233
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 13470
API Well Number: 177024113000	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 279
Public Info Code: Y 19-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10540 / 10399	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 600	Date of Summary: 15-SEP-2000	First Sample Examined: 0
Lease Number: G12807	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13733
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 12694
API Well Number: 177024126300	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 273
Public Info Code: Y 19-MAR-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13187 / 12216	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 610	Date of Summary: 24-JAN-1997	First Sample Examined: 0
Lease Number: G16216	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11667
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11644
API Well Number: 177024113700	Drilling Operator: CAIRN ENERGY USA INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 278
Public Info Code: Y 25-JAN-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7080 / 7079	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
8700 / 8698	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WC 638	Date of Summary: 17-SEP-1997	First Sample Examined: 3530
Lease Number: G15124	Source of Paleo: OPERATOR	Borehole MD: 11000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10999
API Well Number: 177024116900	Drilling Operator: KERR-MCGEE CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 3530 - 11000	Water Depth: 373
Public Info Code: Y 27-SEP-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
3530 /	DEF AT first sample examined	POS AT 3
3531 /	DEF IN cement	POS AT 3
3590 /	DEF AT - - - -	DEF AT 3
4070 /	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 3
4340 /	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
9110 /	DEF AT local marker deep water fauna	DEF AT 4
9230 /	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
9530 /	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
9830 /	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
11000 /	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WD 65	Date of Summary: 07-MAR-1997	First Sample Examined: 0
Lease Number: G15363	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 3105
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 3105
API Well Number: 177194064100	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 10-MAR-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2030 / 2030	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
2648 / 2648	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
2891 / 2891	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WD 109	Date of Summary: 23-OCT-1997	First Sample Examined: 10941
Lease Number: G02937	Source of Paleo: OPERATOR	Borehole MD: 12886
Well Name: A041	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12528
API Well Number: 177194061700	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 10941 - 12767	Water Depth: 184
Public Info Code: Y 28-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10941 / 10641	DEF AT first sample examined	DEF IN 1
10942 / 10642	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 1
11604 / 11274	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 1
12194 / 11849	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 2
12767 / 12412	DEF AT last sample examined	DEF IN 2

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WD 109	Date of Summary: 25-FEB-1997	First Sample Examined: 15440
Lease Number: G02937	Source of Paleo: OPERATOR	Borehole MD: 17913
Well Name: A042	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17613
API Well Number: 177194061800	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 130
Paleo Report Num: 1 of 2	Sample Range: 15440 - 17250	Water Depth: 184
Public Info Code: Y 08-NOV-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15440 / 15144	DEF AT first sample examined	POS AT 2
15990 / 15693	DEF IN Upper Miocene (Tortonian) Textularia 6	DEF AT 2
16410 / 16113	DEF AT - - - - -	DEF IN 2
16590 / 16293	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 3
16710 / 16413	DEF AT - - - - -	DEF AT 2
16770 / 16473	DEF AT Eggerella sp. (local marker)	DEF AT 2
17070 / 16772	DEF AT local marker benthic foram increase	DEF AT 3
17250 / 16952	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WD 109	Date of Summary: 05-MAR-1997	First Sample Examined: 15440
Lease Number: G02937	Source of Paleo: OPERATOR	Borehole MD: 17913
Well Name: A042	Paleo Done By: OPERATOR	Borehole TVD: 17613
API Well Number: 177194061800	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 130
Paleo Report Num: 2 of 2	Sample Range: 15440 - 17250	Water Depth: 184
Public Info Code: Y 08-NOV-2006	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15440 / 15144	DEF AT first sample examined	DEF AT
15441 / 15145	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
16680 / 16383	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17160 / 16862	DEF AT local marker floral increase	DEF AT
17250 / 16952	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WD 109	Date of Summary: 25-FEB-1997	First Sample Examined: 15440
Lease Number: G02937	Source of Paleo: OPERATOR	Borehole MD: 17254
Well Name: A042	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16806
API Well Number: 177194061801	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 130
Paleo Report Num: 1 of 2	Sample Range: 15440 - 17250	Water Depth: 184
Public Info Code: Y 27-MAR-2007	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15440 / 15144	DEF AT first sample examined	DEF AT
15990 / 15689	DEF AT Upper Miocene (Messinian) Textularia tatum	DEF AT 2
16589 / 16239	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 3
16590 / 16240	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 3
16710 / 16347	DEF AT - - - - -	DEF AT 2
16770 / 16399	DEF AT Eggerella sp. (local marker)	DEF AT 3
17070 / 16655	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 3
17250 / 16802	DEF AT last sample examined	DEF AT 3

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WD 109	Date of Summary: 05-MAR-1997	First Sample Examined: 15440
Lease Number: G02937	Source of Paleo: OPERATOR	Borehole MD: 17254
Well Name: A042	Paleo Done By: BIOSTRATIGRAPHIC INTERPRETATIONS	Borehole TVD: 16806
API Well Number: 177194061801	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 130
Paleo Report Num: 2 of 2	Sample Range: 15440 - 17250	Water Depth: 184
Public Info Code: Y 27-MAR-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15440 / 15144	DEF AT first sample examined	DEF AT
15441 / 15145	POS IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
16680 / 16320	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17160 / 16729	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
17250 / 16802	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WD 117	Date of Summary: 17-FEB-1997	First Sample Examined: 11000
Lease Number: G01101	Source of Paleo: OPERATOR	Borehole MD: 15440
Well Name: D011	Paleo Done By: OPERATOR	Borehole TVD: 14746
API Well Number: 177204014100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 11000 - 13970	Water Depth: 206
Public Info Code: Y 29-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 / 10985	DEF AT first sample examined	DEF AT 2
11001 / 10986	DEF AT Upper Miocene (Messinian) Discoaster quinqueringus	DEF AT 2
11330 / 11293	DEF AT - - - - -	DEF AT 3
13280 / 12973	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 3
13970 / 13561	DEF AT - - - - -	DEF AT 4
15440 / 14746	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WD 122	Date of Summary: 24-NOV-1997	First Sample Examined: 0
Lease Number: G13645	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14314
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 10623
API Well Number: 177204014301	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 277
Public Info Code: Y 10-NOV-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4619 / 4616	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
11218 / 9039	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
12650 / 9743	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WD 122	Date of Summary: 28-OCT-1999	First Sample Examined: 0
Lease Number: G13645	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8128
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8027
API Well Number: 177204014200	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 267
Public Info Code: Y 28-SEP-2007	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4400 / 4399	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
5918 / 5869	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
6860 / 6781	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
8085 / 7985	DEF AT salt	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 70	Date of Summary: 31-JAN-2001	First Sample Examined: 18990
Lease Number: G16949	Source of Paleo: OPERATOR	Borehole MD: 28000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 27902
API Well Number: 608124000000	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 76
Paleo Report Num: 1 of 2	Sample Range: 18990 - 28000	Water Depth: 5505
Public Info Code: Y 10-AUG-2005	Ecozone Eq MMS:	Paleo ID: 003

Remark: Catahoula Prospect, calcareous nannofossil report, 19470=rare mixed nannos

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18990 / 18977	DEF AT first sample examined	DEF AT
18991 / 18978	POS AT Pliocene	DEF AT
18992 / 18979	POS AT Miocene	DEF AT
19110 / 19096	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
19470 / 19452	POS AT out-of-place section	DEF AT
19530 / 19511	POS AT reworked material	DEF AT
19590 / 19570	POS AT reworked material	DEF AT
19890 / 19866	POS AT reworked material	DEF AT
20130 / 20102	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
20370 / 20339	DEF AT local marker floral decrease	DEF AT
20970 / 20930	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
21690 / 21641	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
21810 / 21760	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
22770 / 22708	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
23880 / 23805	POS AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
24509 / 24428	POS AT reworked material	DEF AT
24510 / 24429	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
25050 / 24965	DEF AT local marker floral increase	DEF AT
25410 / 25323	POS AT local marker floral increase	DEF AT
27060 / 26965	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
27600 / 27503	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
28000 / 27901	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 70	Date of Summary: 12-MAR-2001	First Sample Examined: 18960
Lease Number: G16949	Source of Paleo: OPERATOR	Borehole MD: 28000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 27902
API Well Number: 608124000000	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 76
Paleo Report Num: 2 of 2	Sample Range: 18960 - 28000	Water Depth: 5505
Public Info Code: Y 10-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Catahoula Prospect, 18960=first sample below salt, contains mixed Pliocene and Miocene fauna, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18960 / 18947	DEF AT first sample examined	DEF IN 4
18961 / 18948	POS AT Pliocene	DEF IN 4
18962 / 18949	POS AT Miocene	DEF IN 4
19020 / 19007	DEF AT local marker planktic foram increase	DEF AT 4
19050 / 19036	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
19380 / 19363	DEF AT faunal change (no faunal increase)	DEF AT 4
20070 / 20043	DEF AT local marker planktic foram increase	DEF AT 4
20160 / 20132	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 4
20340 / 20309	DEF AT local marker foram increase	DEF AT 4
20910 / 20871	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
21000 / 20960	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF IN 4
21030 / 20989	DEF AT sand	DEF AT 4
21090 / 21049	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21179 / 21137	DEF AT pyrite	DEF AT 4
21180 / 21138	DEF AT local marker planktic foram increase	DEF AT 4
21300 / 21256	DEF AT cement	DEF AT 4
21540 / 21493	DEF AT local marker foram increase	DEF AT 4
21750 / 21701	DEF AT pyrite	DEF AT 4
21780 / 21730	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21809 / 21759	DEF AT pyrite	DEF AT 4
22110 / 22057	DEF AT local marker foram increase	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 70	Date of Summary: 12-MAR-2001	First Sample Examined: 18960
Lease Number: G16949	Source of Paleo: OPERATOR	Borehole MD: 28000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 27902
API Well Number: 608124000000	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 76
Paleo Report Num: 2 of 2	Sample Range: 18960 - 28000	Water Depth: 5505
Public Info Code: Y 10-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22170 / 22116	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 4
22200 / 22145	DEF AT faunal change (no faunal increase)	DEF AT 4
22230 / 22175	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
22470 / 22412	DEF AT pyrite	DEF AT 4
22500 / 22442	DEF AT local marker foram increase	DEF IN 4
22559 / 22500	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
22560 / 22501	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
22590 / 22531	DEF AT pyrite	DEF AT 4
22620 / 22560	DEF AT Cyclammina sp. (local marker)	DEF AT 4
23310 / 23242	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
23340 / 23272	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
23400 / 23331	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF AT 4
23460 / 23390	DEF AT local marker benthic foram increase	DEF AT 4
24038 / 23962	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24090 / 24013	DEF AT drilling material	DEF AT 4
24180 / 24102	DEF AT local marker planktic foram increase	DEF AT 4
24330 / 24251	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24360 / 24280	DEF AT local marker planktic foram increase	DEF AT 4
24750 / 24667	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24780 / 24697	DEF AT Cyclammina sp. (local marker)	DEF AT 4
24870 / 24786	DEF AT local marker planktic foram increase	DEF AT 4
24930 / 24846	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
24960 / 24876	DEF AT pyrite	DEF AT 4
25320 / 25233	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 70	Date of Summary: 12-MAR-2001	First Sample Examined: 18960
Lease Number: G16949	Source of Paleo: OPERATOR	Borehole MD: 28000
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 27902
API Well Number: 608124000000	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 76
Paleo Report Num: 2 of 2	Sample Range: 18960 - 28000	Water Depth: 5505
Public Info Code: Y 10-AUG-2005	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
25470 / 25382	DEF AT faunal change (no faunal increase)	DEF AT 4
26091 / 26000	DEF AT Bathysiphon fauna	DEF AT 4
26640 / 26547	POS AT local marker foram increase	DEF AT 4
27059 / 26964	DEF AT limestone	DEF AT 4
27060 / 26965	DEF AT local marker (general)	DEF AT 4
27090 / 26995	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
27300 / 27204	DEF AT faunal change (no faunal increase)	DEF AT 4
27660 / 27563	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
27780 / 27682	DEF AT Arenaceous fauna (local marker)	DEF AT 4
27810 / 27712	DEF AT dolomite	DEF AT 4
27870 / 27772	POS AT local marker foram increase	DEF AT 4
27899 / 27801	POS AT reworked material	DEF AT 4
27900 / 27802	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
28000 / 27901	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 286	Date of Summary: 01-JUN-2002	First Sample Examined: 19100
Lease Number: G16971	Source of Paleo: OPERATOR	Borehole MD: 27504
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 27476
API Well Number: 608124000900	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 19090 - 27504	Water Depth: 6654
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 27100=Lower Miocene Reticulofenestra daviesii

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19100 / 19094	DEF AT first sample examined	DEF AT
19101 / 19095	DEF IN salt	DEF AT
19130 / 19123	DEF AT out-of-place section	DEF AT
19160 / 19153	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19330 / 19323	DEF AT reworked material	DEF AT
19550 / 19543	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
20680 / 20672	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21140 / 21131	POS AT local marker floral increase	DEF AT
21910 / 21901	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
21940 / 21931	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
22210 / 22201	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
22240 / 22231	DEF AT local marker floral increase	DEF AT
22450 / 22441	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22900 / 22891	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22960 / 22951	POS IN Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23530 / 23521	DEF AT reworked material	DEF AT
23650 / 23641	DEF IN Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23740 / 23731	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
23920 / 23911	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
24160 / 24151	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
25420 / 25402	DEF AT local marker floral increase	DEF AT
25480 / 25461	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 286	Date of Summary: 01-JUN-2002	First Sample Examined: 19100
Lease Number: G16971	Source of Paleo: OPERATOR	Borehole MD: 27504
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 27476
API Well Number: 608124000900	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 19090 - 27504	Water Depth: 6654
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25990 / 25968	DEF AT local marker floral increase	DEF AT
26500 / 26477	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
26800 / 26776	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
26830 / 26806	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
26980 / 26956	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
27100 / 27075	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
27310 / 27284	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
27504 / 27477	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 286	Date of Summary: 01-JUN-2002	First Sample Examined: 19090
Lease Number: G16971	Source of Paleo: OPERATOR	Borehole MD: 27504
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 27476
API Well Number: 608124000900	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 19090 - 27504	Water Depth: 6654
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: 26530=Lower Miocene Globigerinoides diminutus

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19090 / 19084	DEF AT first sample examined	DEF AT
19150 / 19143	DEF IN local marker foram increase	DEF AT
19300 / 19293	DEF AT - - - - -	DEF AT 4
19810 / 19802	DEF AT - - - - -	DEF IN 4
19840 / 19832	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF IN 4
19960 / 19952	DEF AT local marker foram decrease	DEF AT 4
20140 / 20132	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
21200 / 21191	DEF AT local marker foram increase	DEF AT 4
21940 / 21931	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF IN 4
22240 / 22231	DEF AT - - - - -	DEF AT 4
22360 / 22351	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
22540 / 22531	DEF AT - - - - -	DEF IN 4
22660 / 22651	DEF AT - - - - -	DEF AT 4
22690 / 22681	POS IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
22990 / 22981	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23260 / 23251	DEF AT Bathysiphon fauna	DEF AT 4
23709 / 23700	POS AT unconformity	DEF IN 4
23710 / 23701	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
23890 / 23881	DEF AT local marker planktic foram increase	DEF IN 4
23950 / 23941	DEF AT - - - - -	DEF AT 5
24010 / 24001	DEF AT - - - - -	DEF IN 4
24430 / 24420	DEF AT - - - - -	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 286	Date of Summary: 01-JUN-2002	First Sample Examined: 19090
Lease Number: G16971	Source of Paleo: OPERATOR	Borehole MD: 27504
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 27476
API Well Number: 608124000900	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 19090 - 27504	Water Depth: 6654
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24610 / 24599	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
24848 / 24835	POS AT condensed section	DEF AT 4
24849 / 24836	POS AT unconformity	DEF AT 4
24850 / 24837	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
25090 / 25075	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 4
25150 / 25134	POS AT local marker foram increase	DEF AT 4
25330 / 25313	DEF AT limestone	DEF AT 4
25930 / 25908	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
26530 / 26507	DEF AT local marker planktic foram increase	DEF AT 4
27010 / 26985	DEF AT local marker planktic foram increase	DEF AT 4
27250 / 27224	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF IN 4
27310 / 27284	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 4
27340 / 27314	DEF AT sample gap top	POS IN 4
27414 / 27387	DEF AT sample gap bottom	DEF AT 4
27504 / 27477	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 286	Date of Summary: 01-AUG-2002	First Sample Examined: 19520
Lease Number: G16971	Source of Paleo: OPERATOR	Borehole MD: 24676
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 24659
API Well Number: 608124000901	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 19520 - 24676	Water Depth: 6654
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19520 / 19505	DEF AT first sample examined	DEF AT 4
19521 / 19506	POS IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
19580 / 19565	DEF IN Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 4
19760 / 19745	DEF AT local marker foram decrease	DEF AT 4
20120 / 20105	DEF AT - - - - -	DEF IN 4
20570 / 20555	DEF AT - - - - -	DEF AT 4
20630 / 20615	POS AT limestone	DEF AT 4
21440 / 21424	DEF AT - - - - -	DEF AT 4
21500 / 21484	DEF AT Bathysiphon fauna	DEF AT 4
21920 / 21904	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF IN 4
22100 / 22084	DEF AT - - - - -	DEF AT 4
22220 / 22204	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
22580 / 22564	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 4
22880 / 22864	POS AT local marker planktic foram increase	DEF AT 4
23178 / 23161	DEF AT pyrite	DEF AT 4
23179 / 23162	DEF AT Bathysiphon fauna	DEF AT 4
23180 / 23163	DEF AT Upper Miocene (Tortonian) Discamminoides tobleri	DEF AT 4
23540 / 23523	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4
23719 / 23702	DEF AT condensed section	DEF IN 5
23720 / 23703	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
23780 / 23763	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
23840 / 23823	DEF AT Middle Miocene (Serravallian) Cibicides barnetti	DEF IN 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 286	Date of Summary: 01-AUG-2002	First Sample Examined: 19520
Lease Number: G16971	Source of Paleo: OPERATOR	Borehole MD: 24676
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 24659
API Well Number: 608124000901	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 19520 - 24676	Water Depth: 6654
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23970 / 23953	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
24200 / 24183	DEF AT local marker foram decrease	DEF IN 5
24230 / 24213	DEF AT - - - - -	DEF IN 4
24290 / 24273	DEF AT Bathysiphon fauna	DEF IN 4
24350 / 24333	DEF AT - - - - -	DEF AT 4
24670 / 24653	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
24676 / 24659	DEF AT last sample examined	DEF IN 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 286	Date of Summary: 01-SEP-2002	First Sample Examined: 18200
Lease Number: G16971	Source of Paleo: OPERATOR	Borehole MD: 24676
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 24659
API Well Number: 608124000901	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 18200 - 24676	Water Depth: 6654
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18200 / 18187	DEF AT first sample examined	DEF AT
18201 / 18188	DEF IN salt	DEF AT
19520 / 19505	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19790 / 19775	DEF AT reworked material	DEF AT
19820 / 19805	DEF AT reworked material	DEF AT
20150 / 20135	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
20360 / 20345	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
20720 / 20705	DEF AT local marker floral increase	DEF AT
20960 / 20945	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
21170 / 21154	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21740 / 21724	DEF AT reworked material	DEF AT
21920 / 21904	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
22130 / 22114	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
22160 / 22144	DEF AT local marker floral increase	DEF AT
22310 / 22294	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
22400 / 22384	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
22460 / 22444	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22970 / 22953	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23060 / 23043	DEF IN Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
23120 / 23103	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
23720 / 23703	DEF AT local marker floral increase	DEF AT
23780 / 23763	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 286	Date of Summary: 01-SEP-2002	First Sample Examined: 18200
Lease Number: G16971	Source of Paleo: OPERATOR	Borehole MD: 24676
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 24659
API Well Number: 608124000901	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 18200 - 24676	Water Depth: 6654
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23940 / 23923	DEF AT local marker floral increase	DEF AT
24170 / 24153	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24650 / 24633	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
24676 / 24659	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 286	Date of Summary: 01-SEP-2002	First Sample Examined: 24410
Lease Number: G16971	Source of Paleo: OPERATOR	Borehole MD: 29452
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29434
API Well Number: 608124000902	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 24410 - 29452	Water Depth: 6654
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24410 / 24393	DEF AT first sample examined	DEF AT 4
24411 / 24394	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
24530 / 24513	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
24770 / 24753	DEF AT Bathysiphon fauna	DEF AT 4
25010 / 24992	DEF AT local marker planktic foram increase	DEF AT 4
25759 / 25741	DEF AT Arenaceous fauna (local marker)	DEF AT 4
25760 / 25742	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
26000 / 25982	DEF AT local marker planktic foram increase	DEF AT 4
26120 / 26102	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
27169 / 27151	POS AT condensed section	DEF IN 4
27170 / 27152	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF IN 4
27290 / 27272	DEF AT - - - - -	DEF AT 4
27540 / 27522	DEF AT local marker planktic foram increase	DEF IN 4
27620 / 27602	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 4
27660 / 27642	DEF AT - - - - -	DEF AT 4
27939 / 27921	DEF AT local marker planktic foram increase	DEF AT 4
27940 / 27922	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
28120 / 28102	DEF AT local marker planktic foram increase	DEF AT 4
28300 / 28282	DEF AT local marker planktic foram increase	DEF AT 4
28340 / 28322	DEF AT Arenaceous fauna (local marker)	DEF AT 4
28360 / 28342	DEF AT local marker foram decrease	DEF AT 4
28580 / 28562	DEF AT - - - - -	DEF AT 0

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 286	Date of Summary: 01-SEP-2002	First Sample Examined: 24410
Lease Number: G16971	Source of Paleo: OPERATOR	Borehole MD: 29452
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29434
API Well Number: 608124000902	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 24410 - 29452	Water Depth: 6654
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28660 / 28642	DEF AT - - - - -	DEF AT 4
29239 / 29220	DEF AT local marker foram increase	DEF IN 4
29240 / 29221	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF IN 4
29420 / 29401	DEF AT local marker planktic foram increase	DEF IN 4
29421 / 29402	POS AT Oligocene	DEF IN 4
29440 / 29421	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 4
29452 / 29433	DEF AT last sample examined	DEF IN 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 286	Date of Summary: 01-SEP-2002	First Sample Examined: 24680
Lease Number: G16971	Source of Paleo: OPERATOR	Borehole MD: 29452
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29434
API Well Number: 608124000902	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 24680 - 29452	Water Depth: 6654
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 29420=Upper Oligocene Ericsonia obruta, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24680 / 24663	DEF AT first sample examined	DEF AT
25100 / 25082	DEF AT reworked material	DEF AT
25130 / 25112	DEF IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
25400 / 25382	DEF AT local marker floral increase	DEF AT
25970 / 25952	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
26210 / 26192	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
26540 / 26522	DEF AT local marker floral increase	DEF AT
26870 / 26852	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
26930 / 26912	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
27020 / 27002	DEF IN Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
27050 / 27032	DEF AT local marker floral increase	DEF AT
27350 / 27332	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF AT
27540 / 27522	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
27720 / 27702	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
27980 / 27962	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
28300 / 28282	DEF AT Lower Miocene (Aquitanian) Discoaster woodringii	DEF AT
28879 / 28860	DEF AT condensed section	DEF AT
28880 / 28861	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
28920 / 28901	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus challengerii	DEF AT
29000 / 28981	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
29040 / 29021	DEF IN Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
29400 / 29381	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
 MINERALS MANAGEMENT SERVICE
 GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 286	Date of Summary: 01-SEP-2002	First Sample Examined: 24680
Lease Number: G16971	Source of Paleo: OPERATOR	Borehole MD: 29452
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29434
API Well Number: 608124000902	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 24680 - 29452	Water Depth: 6654
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29420 / 29401	DEF AT local marker floral increase	DEF AT
29440 / 29421	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
29452 / 29433	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 313	Date of Summary: 01-JAN-2002	First Sample Examined: 9075
Lease Number: G18683	Source of Paleo: OPERATOR	Borehole MD: 16720
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16072
API Well Number: 608124000700	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 9075 - 16600	Water Depth: 6288
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Titan South Prospect, 16360=weak, reworked?? Globorotalia peripheroacuta, Globigerinoides sicanus and Cibicides barnetti, 16390=weak, reworked?? Cibicides cushmani and Globorotalia peripheroronda, 16430=weak, reworked?? Cristellaria 49 and Robulus 2, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9075 / 9075	DEF AT first sample examined	DEF AT
9076 / 9076	DEF AT cement	DEF AT
9495 / 9495	DEF AT local marker planktic foram increase	DEF IN 4
9555 / 9555	DEF AT local marker planktic foram increase	DEF AT 5
9675 / 9675	DEF AT faunal change (no faunal increase)	DEF IN 4
10870 / 10820	POS AT local marker planktic foram increase	DEF IN 4
10900 / 10847	DEF AT local marker planktic foram increase	DEF IN 4
11890 / 11725	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiszens (acme "B")	DEF AT 5
11980 / 11804	DEF AT faunal change (no faunal increase)	DEF IN 4
12040 / 11857	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 4
12070 / 11884	DEF AT pyrite	DEF IN 4
12100 / 11910	DEF AT pyrite	DEF IN 4
12250 / 12043	POS AT local marker planktic foram increase	DEF AT 5
12460 / 12229	DEF AT pyrite	DEF IN 4
12610 / 12365	DEF AT faunal change (no faunal increase)	POS AT 4
12910 / 12635	DEF AT pyrite	POS AT 4
13240 / 12933	DEF AT local marker foram increase	DEF AT 4
13419 / 13095	DEF AT reworked material	POS AT 4
13420 / 13095	POS AT Upper Pliocene (Gelasian) Lenticulina 1	POS AT 4
13600 / 13258	DEF AT local marker foram increase	POS AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 313	Date of Summary: 01-JAN-2002	First Sample Examined: 9075
Lease Number: G18683	Source of Paleo: OPERATOR	Borehole MD: 16720
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16072
API Well Number: 608124000700	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 9075 - 16600	Water Depth: 6288
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13660 / 13312	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	POS AT 4
13690 / 13339	DEF AT pyrite	POS AT 4
13930 / 13554	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14259 / 13849	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 4
14260 / 13850	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
14289 / 13876	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 4
14290 / 13877	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
14470 / 14039	DEF AT faunal change (no faunal increase)	DEF AT 5
14500 / 14066	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
14590 / 14147	DEF AT faunal change (no faunal increase)	DEF IN 4
14620 / 14174	DEF AT pyrite	DEF IN 4
14680 / 14227	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF IN 4
14800 / 14335	DEF AT local marker planktic foram increase	DEF AT 5
14889 / 14416	DEF AT pyrite	DEF AT 5
14890 / 14416	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
14920 / 14443	DEF AT pyrite	DEF AT 5
15040 / 14552	DEF AT local marker planktic foram increase	DEF IN 4
15160 / 14660	DEF AT local marker foram decrease	DEF IN 4
15340 / 14823	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 4
15490 / 14959	DEF AT reworked material	DEF IN 4
15610 / 15068	DEF AT local marker planktic foram increase	DEF AT 5
15640 / 15095	DEF AT local marker planktic foram increase	DEF AT 5
15670 / 15122	DEF AT foram flood	DEF AT 5
15730 / 15177	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 313	Date of Summary: 01-JAN-2002	First Sample Examined: 9075
Lease Number: G18683	Source of Paleo: OPERATOR	Borehole MD: 16720
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16072
API Well Number: 608124000700	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 9075 - 16600	Water Depth: 6288
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
15850 / 15285	DEF AT local marker planktic foram increase	DEF AT 5
15969 / 15393	DEF AT pyrite	DEF AT 5
15970 / 15394	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
16060 / 15476	DEF AT pyrite	DEF AT 5
16180 / 15585	DEF AT faunal change (no faunal increase)	DEF IN 4
16300 / 15693	DEF AT pyrite	DEF IN 4
16360 / 15747	DEF AT reworked material	DEF IN 4
16390 / 15774	DEF AT reworked material	DEF IN 4
16430 / 15811	DEF AT reworked material	DEF IN 4
16477 / 15853	DEF AT pyrite	POS AT 4
16478 / 15854	DEF AT out-of-place section	POS AT 4
16479 / 15855	POS AT reworked material	POS AT 4
16480 / 15856	POS AT Middle Miocene (Serravallian) Cibicides opima	POS AT 4
16540 / 15910	POS AT Middle Miocene (Langhian) Robulus "L" / 43	POS AT 4
16600 / 15964	DEF AT last sample examined	POS AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 313	Date of Summary: 01-JAN-2002	First Sample Examined: 9071
Lease Number: G18683	Source of Paleo: OPERATOR	Borehole MD: 16720
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16072
API Well Number: 608124000700	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 9071 - 16600	Water Depth: 6288
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

Remark: Titan South Prospect, calcareous nannofossil report, 12910=Upper Pliocene Discoaster spp increase, 15850=Reticulofenestra pseudumbilica "C", 15880=Upper Miocene Minyllitha convalis second increase, 16150=Catinaster coalitus increase, 16570=Helicosphaera ampliaptera (low) and small increase in Discoaster lidzi, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9071 / 9071	DEF AT first sample examined	DEF AT
9465 / 9465	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9495 / 9495	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
9555 / 9555	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9675 / 9675	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa margerelli	DEF AT
10900 / 10847	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa (increase)	DEF AT
11829 / 11671	DEF AT condensed section	DEF AT
11830 / 11672	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11890 / 11725	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12040 / 11857	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12250 / 12043	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12280 / 12069	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
12430 / 12202	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
13959 / 13580	DEF AT condensed section	DEF AT
13960 / 13581	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14080 / 13689	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
14260 / 13850	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
14290 / 13877	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
14320 / 13904	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
14510 / 14075	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 313	Date of Summary: 01-JAN-2002	First Sample Examined: 9071
Lease Number: G18683	Source of Paleo: OPERATOR	Borehole MD: 16720
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16072
API Well Number: 608124000700	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 9071 - 16600	Water Depth: 6288
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
14680 / 14227	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14710 / 14254	DEF AT local marker floral increase	DEF AT
14830 / 14362	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica "B"	DEF AT
14890 / 14416	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14950 / 14471	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15670 / 15122	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15700 / 15149	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
15760 / 15204	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
15790 / 15231	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15820 / 15258	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15850 / 15285	DEF AT Upper Miocene (Tortonian) Reticulofenestra pseudumbilica "C"	DEF AT
15880 / 15313	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15910 / 15340	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15940 / 15367	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
15970 / 15394	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16000 / 15421	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16030 / 15449	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16120 / 15530	DEF IN Upper Miocene (Tortonian) Discoaster exilis	DEF AT
16150 / 15557	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
16270 / 15666	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16300 / 15693	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16330 / 15720	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
16360 / 15747	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
16380 / 15765	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 313	Date of Summary: 01-JAN-2002	First Sample Examined: 9071
Lease Number: G18683	Source of Paleo: OPERATOR	Borehole MD: 16720
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16072
API Well Number: 608124000700	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 9071 - 16600	Water Depth: 6288
Public Info Code: Y 30-JUN-2007	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16390 / 15774	DEF AT Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i> (increase)	DEF AT
16510 / 15883	DEF AT Middle Miocene (Langhian) <i>Discoaster calcosus</i>	DEF AT
16600 / 15964	DEF AT last sample examined	DEF AT

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 456	Date of Summary: 30-AUG-2000	First Sample Examined: 20310
Lease Number: G16993	Source of Paleo: OPERATOR	Borehole MD: 24340
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24250
API Well Number: 608124000300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 20310 - 24330	Water Depth: 6680
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Calcareous nannofossil report, 21460=21640=mixed nannos, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20310 / 20251	DEF AT first sample examined	DEF AT
20311 / 20252	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
20370 / 20310	DEF AT local marker floral decrease	DEF AT
20610 / 20547	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
20790 / 20725	DEF AT local marker floral decrease	DEF AT
20980 / 20914	DEF AT reworked material	DEF AT
21459 / 21388	POS IN Pliocene	DEF AT
21460 / 21389	POS IN Eocene	DEF AT
21519 / 21448	DEF AT unconformity	DEF AT
21520 / 21449	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21639 / 21567	POS AT Upper (Late) Miocene	DEF AT
21640 / 21568	POS AT Eocene	DEF AT
21700 / 21628	DEF AT local marker floral decrease	DEF AT
22240 / 22165	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
23040 / 22959	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
23099 / 23018	DEF AT unconformity	DEF AT
23100 / 23019	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
24329 / 24240	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
24330 / 24241	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 456	Date of Summary: 18-OCT-2000	First Sample Examined: 20810
Lease Number: G16993	Source of Paleo: OPERATOR	Borehole MD: 24890
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24748
API Well Number: 608124000301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 20810 - 24869	Water Depth: 6680
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20810 / 20745	DEF AT first sample examined	DEF AT
20990 / 20923	DEF AT reworked material	DEF AT
21110 / 21043	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
21350 / 21281	DEF AT out-of-place section	DEF AT
21410 / 21341	DEF AT out-of-place section	DEF AT
21530 / 21460	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21710 / 21638	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
22250 / 22173	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22670 / 22587	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
22910 / 22822	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
23090 / 22998	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
23150 / 23057	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23390 / 23291	DEF AT local marker floral increase	DEF AT
24400 / 24269	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24460 / 24327	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaptera	DEF AT
24869 / 24726	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 456	Date of Summary: 18-DEC-2000	First Sample Examined: 20810
Lease Number: G16993	Source of Paleo: OPERATOR	Borehole MD: 24890
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24748
API Well Number: 608124000301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 20810 - 24890	Water Depth: 6680
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20810 / 20745	DEF AT first sample examined	DEF AT 4
20811 / 20746	DEF AT cement	DEF AT 4
21210 / 21142	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21780 / 21708	DEF AT reworked material	DEF IN 3
21990 / 21916	POS AT local marker foram increase	DEF IN 3
22230 / 22153	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
22260 / 22183	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
22380 / 22301	DEF AT faunal change (no faunal increase)	DEF AT 4
22410 / 22331	DEF AT local marker foram decrease	DEF AT 4
22470 / 22390	DEF AT turbid water facies	POS AT 4
22620 / 22538	DEF AT Arenaceous fauna (local marker)	POS AT 4
22650 / 22567	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS AT 4
22710 / 22626	DEF AT faunal change (no faunal increase)	DEF IN 4
22740 / 22655	DEF AT faunal change (no faunal increase)	DEF AT 4
22800 / 22714	DEF AT turbid water facies	POS AT 4
22860 / 22773	DEF AT local marker planktic foram increase	DEF AT 4
22920 / 22832	DEF AT turbid water facies	POS AT 4
23040 / 22949	DEF AT local marker deep water fauna	DEF AT 4
23340 / 23242	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 5
23370 / 23272	DEF AT faunal change (no faunal increase)	DEF IN 4
23610 / 23505	DEF AT faunal change (no faunal increase)	DEF AT 4
23670 / 23563	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 456	Date of Summary: 18-DEC-2000	First Sample Examined: 20810
Lease Number: G16993	Source of Paleo: OPERATOR	Borehole MD: 24890
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24748
API Well Number: 608124000301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 20810 - 24890	Water Depth: 6680
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
23700 / 23592	DEF AT faunal change (no faunal increase)	DEF IN 4
23730 / 23621	DEF AT faunal change (no faunal increase)	DEF AT 4
23860 / 23747	DEF AT cement	DEF IN 4
23880 / 23767	DEF AT limestone	DEF IN 4
23970 / 23853	DEF AT Arenaceous fauna (local marker)	DEF IN 4
24000 / 23882	DEF AT limestone	DEF IN 4
24090 / 23969	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 4
24119 / 23997	DEF AT limestone	DEF IN 4
24120 / 23998	DEF AT condensed section	DEF IN 4
24150 / 24027	DEF AT faunal change (no faunal increase)	DEF AT 4
24210 / 24085	DEF AT local marker foram increase	DEF AT 4
24300 / 24172	DEF AT local marker foram increase	DEF AT 4
24360 / 24230	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
24510 / 24376	DEF AT faunal change (no faunal increase)	DEF AT 4
24630 / 24493	POS AT local marker foram increase	DEF AT 4
24780 / 24639	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24810 / 24668	DEF AT limestone	DEF AT 4
24890 / 24746	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 456	Date of Summary: 18-OCT-2000	First Sample Examined: 24870
Lease Number: G16993	Source of Paleo: OPERATOR	Borehole MD: 29400
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29229
API Well Number: 608124000302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 24870 - 29400	Water Depth: 6680
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, 27930=probable FAD (First Appearance Datum) of Sphenolithus heteromorphus, 28810=FAD of both Sphenolithus belemnos and Helicosphaera ampliaperta, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
24870 / 24726	DEF AT first sample examined	DEF AT
24990 / 24843	DEF AT local marker floral increase	DEF AT
25530 / 25373	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25710 / 25550	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
25890 / 25727	DEF AT local marker floral increase	DEF AT
26070 / 25904	DEF AT local marker floral decrease	DEF AT
26370 / 26202	DEF AT Middle Miocene (Langhian) Discoaster trinidadensis	DEF AT
26430 / 26261	DEF AT local marker floral increase	DEF AT
26550 / 26381	DEF AT local marker floral decrease	DEF AT
26910 / 26740	DEF AT local marker floral increase	DEF AT
27030 / 26860	DEF AT local marker floral decrease	DEF AT
27330 / 27160	DEF AT local marker floral increase	DEF AT
27930 / 27760	DEF AT local marker floral increase	DEF AT
28090 / 27920	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
28210 / 28040	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
28510 / 28340	DEF AT local marker floral increase	DEF AT
28810 / 28640	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
28990 / 28820	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
29400 / 29230	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 456	Date of Summary: 18-DEC-2000	First Sample Examined: 24900
Lease Number: G16993	Source of Paleo: OPERATOR	Borehole MD: 29400
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29229
API Well Number: 608124000302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 24900 - 29400	Water Depth: 6680
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 27000=27780=transported carbonate bank fauna, 28395=gray limestone influx with carbonate bank fauna influx, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
24900 / 24755	DEF AT first sample examined	DEF AT 4
25050 / 24902	DEF AT - - - - -	DEF IN 4
25080 / 24932	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 4
25110 / 24961	DEF AT local marker foram increase	DEF IN 4
25170 / 25020	DEF AT Arenaceous fauna (local marker)	DEF IN 4
25230 / 25079	DEF AT local marker deep water fauna	DEF IN 4
25290 / 25138	DEF AT - - - - -	DEF AT 4
25320 / 25167	POS AT local marker planktic foram increase	DEF AT 4
25380 / 25226	DEF AT gray shale	DEF AT 4
25920 / 25756	DEF AT local marker planktic foram increase	DEF AT 4
25950 / 25786	DEF AT limestone	DEF AT 4
26160 / 25993	DEF AT local marker foram increase	DEF IN 4
26250 / 26082	DEF AT turbid water facies	DEF IN 4
26340 / 26172	DEF AT local marker planktic foram increase	DEF IN 4
26400 / 26231	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 4
26550 / 26381	DEF AT - - - - -	DEF AT 4
26700 / 26530	DEF AT turbid water facies	DEF AT 4
26970 / 26800	DEF AT local marker planktic foram increase	DEF IN 4
27000 / 26830	DEF AT limestone	DEF IN 4
27360 / 27190	DEF AT local marker planktic foram increase	DEF IN 4
27420 / 27250	DEF AT local marker foram decrease	DEF AT 4

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 456	Date of Summary: 18-DEC-2000	First Sample Examined: 24900
Lease Number: G16993	Source of Paleo: OPERATOR	Borehole MD: 29400
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 29229
API Well Number: 608124000302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 24900 - 29400	Water Depth: 6680
Public Info Code: Y 31-JUL-2006	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27720 / 27550	DEF AT turbid water facies	DEF AT 4
28090 / 27920	DEF AT limestone	DEF AT 4
28395 / 28225	DEF AT - - - - -	DEF IN 4
28420 / 28250	DEF AT local marker foram increase	DEF IN 4
28450 / 28280	DEF AT - - - - -	DEF AT 4
28660 / 28490	DEF AT pyrite	DEF AT 4
28840 / 28670	DEF AT - - - - -	DEF IN 4
28870 / 28700	DEF AT local marker foram increase	DEF IN 4
28930 / 28760	DEF AT - - - - -	DEF AT 4
28960 / 28790	DEF AT limestone	DEF AT 4
29400 / 29230	DEF AT last sample examined	DEF AT 4

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 544	Date of Summary: 21-AUG-2006	First Sample Examined: 23580
Lease Number: G17003	Source of Paleo: OPERATOR	Borehole MD: 29630
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29628
API Well Number: 608124002100	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 23580 - 29630	Water Depth: 6844
Public Info Code: Y 02-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Tucker Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23580 / 23578	DEF AT first sample examined	DEF AT 6
23581 / 23579	DEF AT out-of-place section	DEF AT 6
23700 / 23698	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT 6
23819 / 23817	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
23820 / 23818	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
23850 / 23848	POS AT Arenaceous fauna (local marker)	DEF AT 6
23880 / 23878	DEF AT local marker floral increase	DEF AT 6
23910 / 23908	DEF AT local marker foram increase	DEF AT 6
23940 / 23938	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
24000 / 23998	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
24030 / 24028	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT 6
24060 / 24058	DEF AT local marker foram decrease	DEF AT 6
24090 / 24088	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
24120 / 24118	DEF AT local marker floral increase	DEF AT 6
24180 / 24178	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
24209 / 24207	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT 6
24210 / 24208	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
24240 / 24238	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT 6
24270 / 24268	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
24329 / 24327	DEF AT local marker floral increase	DEF AT 6
24330 / 24328	DEF AT local marker foram decrease	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 544	Date of Summary: 21-AUG-2006	First Sample Examined: 23580
Lease Number: G17003	Source of Paleo: OPERATOR	Borehole MD: 29630
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29628
API Well Number: 608124002100	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 23580 - 29630	Water Depth: 6844
Public Info Code: Y 02-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24420 / 24418	POS AT Arenaceous fauna (local marker)	DEF AT 6
24480 / 24478	DEF AT local marker floral increase	DEF AT 6
24540 / 24538	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
24599 / 24597	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
24600 / 24598	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 6
24630 / 24628	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
24660 / 24658	DEF AT local marker foram decrease	DEF AT 6
24690 / 24688	POS AT Arenaceous fauna (local marker)	DEF AT 6
24720 / 24718	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
24840 / 24838	DEF IN Middle Miocene (Serravallian) Sphenolithus moriformis	DEF AT 6
24929 / 24927	DEF AT local marker floral decrease	DEF AT 6
24930 / 24928	DEF AT local marker planktic foram increase	DEF AT 6
25230 / 25228	DEF AT local marker floral increase	DEF AT 6
25260 / 25258	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT 6
25350 / 25348	POS AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 6
25410 / 25408	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 6
25440 / 25438	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
25469 / 25467	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT 6
25470 / 25468	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT 6
25560 / 25558	DEF AT local marker floral increase	DEF AT 6
25619 / 25617	DEF AT transported shelf fauna	DEF AT 6
25620 / 25618	DEF AT local marker floral increase	DEF AT 6
25679 / 25677	DEF AT local marker floral decrease	DEF AT 6
25680 / 25678	DEF AT local marker foram decrease	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 544	Date of Summary: 21-AUG-2006	First Sample Examined: 23580
Lease Number: G17003	Source of Paleo: OPERATOR	Borehole MD: 29630
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29628
API Well Number: 608124002100	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 23580 - 29630	Water Depth: 6844
Public Info Code: Y 02-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25710 / 25708	DEF AT local marker floral increase	DEF AT 6
25740 / 25738	POS AT Arenaceous fauna (local marker)	DEF AT 6
25830 / 25828	DEF AT local marker floral increase	DEF AT 6
25980 / 25978	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT 6
26010 / 26008	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 6
26040 / 26038	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT 6
26070 / 26068	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
26099 / 26097	DEF AT local marker floral increase	DEF AT 6
26100 / 26098	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 6
26130 / 26128	POS AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 6
26219 / 26217	DEF AT Lower Miocene (Burdigalian) Discoaster calculus (increase)	DEF AT 6
26220 / 26218	DEF AT Bathysiphon fauna	DEF AT 6
26277 / 26275	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 6
26278 / 26276	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 6
26279 / 26277	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 6
26280 / 26278	DEF AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT 6
26310 / 26308	DEF AT Bathysiphon fauna	DEF AT 6
26340 / 26338	DEF AT local marker foram decrease	DEF AT 6
26370 / 26368	DEF AT reworked material	DEF AT 6
26430 / 26428	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 6
26549 / 26547	DEF AT local marker floral increase	DEF AT 6
26550 / 26548	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 6
26580 / 26578	DEF AT Lower Miocene (Aquitanian) Sphenolithus conicus	DEF AT 6
26610 / 26608	DEF AT local marker planktic foram increase	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 544	Date of Summary: 21-AUG-2006	First Sample Examined: 23580
Lease Number: G17003	Source of Paleo: OPERATOR	Borehole MD: 29630
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29628
API Well Number: 608124002100	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 23580 - 29630	Water Depth: 6844
Public Info Code: Y 02-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26640 / 26638	DEF AT local marker floral increase	DEF AT 6
26670 / 26668	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 6
26707 / 26705	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT 6
26708 / 26706	POS AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 6
26820 / 26818	POS AT local marker planktic foram increase	DEF AT 6
26940 / 26938	DEF AT Lower Miocene (Aquitanian) Sphenolithus capricornutus	DEF AT 6
27030 / 27028	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT 6
27090 / 27088	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 6
27119 / 27117	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperensis	DEF AT 6
27120 / 27118	DEF AT Upper Oligocene (Chattian) Globigerina ciperensis ciperensis	DEF AT 6
27180 / 27178	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 6
27240 / 27238	DEF AT local marker planktic foram increase	DEF IN 6
27269 / 27267	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF IN 6
27270 / 27268	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 6
27299 / 27297	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 6
27300 / 27298	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF IN 6
27450 / 27448	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF IN 6
27480 / 27478	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF IN 6
27510 / 27508	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF IN 6
27540 / 27538	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 6
27569 / 27567	DEF AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF IN 6
27570 / 27568	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF IN 6
27660 / 27658	DEF AT local marker foram decrease	DEF IN 6
27690 / 27688	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF IN 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 544	Date of Summary: 21-AUG-2006	First Sample Examined: 23580
Lease Number: G17003	Source of Paleo: OPERATOR	Borehole MD: 29630
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29628
API Well Number: 608124002100	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 23580 - 29630	Water Depth: 6844
Public Info Code: Y 02-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27720 / 27718	DEF AT local marker floral increase	DEF IN 6
27779 / 27777	DEF AT Lower Oligocene (Rupelian) Ericsonia subdisticha	DEF IN 6
27780 / 27778	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF IN 6
27810 / 27808	DEF AT local marker foram increase	DEF IN 6
27839 / 27837	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF IN 6
27840 / 27838	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF IN 6
27869 / 27867	DEF IN Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF IN 6
27870 / 27868	DEF AT radiolarians	DEF IN 6
27898 / 27896	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF IN 6
27899 / 27897	DEF AT Lower Eocene (Ypresian) Tribraichiatius orthostylus	DEF IN 6
27900 / 27898	DEF AT radiolarians	DEF IN 6
27960 / 27958	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF IN 6
27987 / 27985	DEF AT Bathysiphon fauna	DEF IN 6
27988 / 27986	DEF AT Lower Eocene (Ypresian) Tribraichiatius contortus	DEF IN 6
27989 / 27987	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF IN 6
27990 / 27988	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF IN 6
28020 / 28018	DEF AT local marker foram decrease	DEF IN 6
28050 / 28048	POS AT local marker planktic foram increase	DEF IN 6
28110 / 28108	DEF AT local marker foram decrease	DEF IN 6
28140 / 28138	DEF AT Bathysiphon fauna	DEF IN 6
28190 / 28188	DEF IN Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF IN 6
28770 / 28768	POS AT Bathysiphon fauna	DEF IN 6
28890 / 28888	DEF AT local marker floral increase	DEF IN 6
28920 / 28918	DEF AT Bathysiphon fauna	DEF IN 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 544	Date of Summary: 21-AUG-2006	First Sample Examined: 23580
Lease Number: G17003	Source of Paleo: OPERATOR	Borehole MD: 29630
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29628
API Well Number: 608124002100	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 23580 - 29630	Water Depth: 6844
Public Info Code: Y 02-JAN-2007	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
28950 / 28948	DEF AT Arenaceous fauna (local marker)	DEF IN 6
28980 / 28978	POS AT local marker foram decrease	DEF IN 6
29040 / 29038	DEF AT local marker floral increase	DEF IN 6
29156 / 29154	DEF AT Arenaceous fauna (local marker)	DEF IN 6
29220 / 29218	DEF AT local marker floral increase	DEF IN 6
29280 / 29278	DEF AT Arenaceous fauna (local marker)	DEF IN 6
29369 / 29367	DEF AT Bathysiphon fauna	DEF IN 6
29370 / 29368	POS AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF IN 6
29400 / 29398	DEF AT Arenaceous fauna (local marker)	DEF IN 6
29430 / 29428	DEF AT local marker foram decrease	DEF IN 6
29490 / 29488	POS AT Bathysiphon fauna	DEF IN 6
29520 / 29518	POS AT local marker floral increase	DEF IN 6
29630 / 29628	DEF AT last sample examined	DEF IN 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 724	Date of Summary: 05-NOV-2004	First Sample Examined: 14131
Lease Number: G17011	Source of Paleo: OPERATOR	Borehole MD: 29848
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29845
API Well Number: 608124001400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14131 - 29847	Water Depth: 7591
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Das Bump Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14131 / 14130	DEF AT first sample examined	POS AT 5
14510 / 14509	DEF AT local marker planktic foram increase	POS AT 5
14870 / 14869	DEF AT local marker foram increase	DEF AT 5
14928 / 14927	DEF AT local marker floral increase	DEF AT 5
14929 / 14928	DEF AT local marker benthic foram increase	DEF AT 5
14930 / 14929	DEF AT local marker planktic foram increase	DEF AT 5
14989 / 14988	DEF AT local marker floral increase	DEF AT 5
14990 / 14989	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
15380 / 15379	DEF AT local marker foram increase	DEF AT 5
15530 / 15529	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT 5
15559 / 15558	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
15560 / 15559	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
15740 / 15739	DEF AT local marker foram increase	DEF AT 5
15800 / 15799	DEF AT local marker foram increase	DEF AT 5
15830 / 15829	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
16069 / 16068	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
16070 / 16069	DEF AT local marker planktic foram increase	DEF AT 5
16400 / 16399	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
16520 / 16519	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
16699 / 16698	POS AT reworked material	DEF AT 5
16700 / 16699	POS AT local marker planktic foram increase	DEF AT 5

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 724	Date of Summary: 05-NOV-2004	First Sample Examined: 14131
Lease Number: G17011	Source of Paleo: OPERATOR	Borehole MD: 29848
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29845
API Well Number: 608124001400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14131 - 29847	Water Depth: 7591
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16760 / 16759	DEF AT reworked material	DEF AT 5
17480 / 17479	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
18199 / 18198	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT 5
18200 / 18199	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
18229 / 18228	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF IN 5
18230 / 18229	DEF AT local marker foram increase	DEF IN 5
18260 / 18259	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
18290 / 18289	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
18319 / 18318	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
18320 / 18319	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
18349 / 18348	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
18350 / 18349	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
18589 / 18588	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF IN 5
18590 / 18589	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
18980 / 18979	DEF AT local marker planktic foram increase	DEF IN 5
19010 / 19009	POS AT local marker floral increase	DEF IN 5
19250 / 19249	POS AT local marker foram increase	DEF IN 5
19280 / 19279	DEF AT local marker planktic foram increase	DEF IN 5
19310 / 19309	DEF AT local marker floral increase	DEF IN 6
19400 / 19399	DEF AT local marker foram increase	DEF AT 6
19490 / 19489	DEF AT local marker foram decrease	DEF AT 6
19550 / 19549	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 6
19670 / 19669	DEF AT local marker floral increase	DEF AT 6
19729 / 19728	DEF AT Upper Miocene (Messinian) Discoaster quinquedentatus	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 724	Date of Summary: 05-NOV-2004	First Sample Examined: 14131
Lease Number: G17011	Source of Paleo: OPERATOR	Borehole MD: 29848
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29845
API Well Number: 608124001400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14131 - 29847	Water Depth: 7591
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
19730 / 19729	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
19850 / 19849	POS AT local marker foram increase	DEF AT 6
19880 / 19879	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
19970 / 19969	DEF AT local marker floral increase	DEF AT 6
20060 / 20059	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 6
20240 / 20239	DEF AT Arenaceous fauna (local marker)	DEF AT 6
20358 / 20357	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
20359 / 20358	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
20360 / 20359	DEF AT Arenaceous fauna (local marker)	DEF AT 6
20420 / 20419	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT 6
20480 / 20479	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	DEF AT 6
20539 / 20538	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
20540 / 20539	POS AT local marker foram increase	DEF AT 6
20629 / 20628	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
20630 / 20629	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 6
20720 / 20719	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
20810 / 20809	DEF AT local marker floral increase	DEF AT 6
21080 / 21079	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
21109 / 21108	POS AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT 6
21110 / 21109	DEF AT local marker foram increase	DEF AT 6
21229 / 21228	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
21230 / 21229	DEF AT local marker foram increase	DEF AT 6
21320 / 21319	DEF AT Arenaceous fauna (local marker)	DEF AT 6
21440 / 21439	DEF AT Bathysiphon fauna	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 724	Date of Summary: 05-NOV-2004	First Sample Examined: 14131
Lease Number: G17011	Source of Paleo: OPERATOR	Borehole MD: 29848
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29845
API Well Number: 608124001400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14131 - 29847	Water Depth: 7591
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
21560 / 21559	DEF AT local marker foram increase	DEF AT 6
21620 / 21619	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
21680 / 21679	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
21740 / 21739	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
21829 / 21828	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
21830 / 21829	DEF AT local marker foram increase	DEF AT 6
21859 / 21858	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
21860 / 21859	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
21920 / 21919	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT 6
21950 / 21949	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT 6
21980 / 21979	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
22070 / 22069	DEF AT local marker planktic foram increase	DEF AT 6
22130 / 22129	DEF AT Arenaceous fauna (local marker)	DEF AT 6
22190 / 22189	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT 6
22220 / 22219	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
22280 / 22279	DEF AT local marker foram increase	DEF AT 6
22339 / 22338	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT 6
22340 / 22339	POS AT Arenaceous fauna (local marker)	DEF AT 6
22460 / 22459	POS AT local marker foram increase	DEF AT 6
22490 / 22489	DEF AT local marker floral increase	DEF AT 6
22669 / 22668	DEF AT local marker floral increase	DEF AT 6
22670 / 22669	DEF AT local marker foram increase	DEF AT 6
22700 / 22698	DEF AT local marker planktic foram increase	DEF AT 6
22730 / 22728	DEF AT local marker floral increase	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 724	Date of Summary: 05-NOV-2004	First Sample Examined: 14131
Lease Number: G17011	Source of Paleo: OPERATOR	Borehole MD: 29848
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29845
API Well Number: 608124001400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14131 - 29847	Water Depth: 7591
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22820 / 22818	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
22940 / 22938	DEF AT local marker floral increase	DEF AT 6
22970 / 22968	DEF AT Arenaceous fauna (local marker)	DEF AT 6
23120 / 23118	DEF AT Arenaceous fauna (local marker)	DEF AT 6
23180 / 23178	POS AT local marker foram increase	DEF AT 6
23209 / 23207	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
23210 / 23208	DEF AT local marker planktic foram increase	DEF AT 6
23240 / 23238	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
23359 / 23357	DEF AT local marker floral increase	DEF AT 6
23360 / 23358	DEF AT reworked material	DEF AT 6
23420 / 23418	POS AT local marker planktic foram increase	DEF AT 6
23510 / 23508	POS AT local marker foram increase	DEF AT 6
23540 / 23538	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 6
23660 / 23658	DEF AT local marker floral increase	DEF AT 6
23749 / 23747	DEF AT local marker planktic foram increase	DEF AT 6
23750 / 23748	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
23780 / 23778	DEF AT reworked material	DEF AT 6
23839 / 23837	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 6
23840 / 23838	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
23869 / 23867	DEF AT local marker planktic foram increase	DEF AT 6
23870 / 23868	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 6
23929 / 23927	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT 6
23930 / 23928	DEF AT local marker foram increase	DEF AT 6
23960 / 23958	DEF AT local marker floral increase	DEF AT 6

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 724	Date of Summary: 05-NOV-2004	First Sample Examined: 14131
Lease Number: G17011	Source of Paleo: OPERATOR	Borehole MD: 29848
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29845
API Well Number: 608124001400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14131 - 29847	Water Depth: 7591
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
24080 / 24078	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT 6
24169 / 24167	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF AT 6
24170 / 24168	DEF AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT 6
24230 / 24228	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 6
24260 / 24258	DEF AT local marker foram increase	DEF AT 6
24379 / 24377	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 6
24380 / 24378	POS AT local marker foram increase	DEF AT 6
24500 / 24498	DEF AT local marker floral increase	DEF AT 6
24529 / 24527	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 6
24530 / 24528	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 6
24620 / 24618	POS AT Arenaceous fauna (local marker)	DEF AT 6
24649 / 24647	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT 6
24650 / 24648	DEF AT Lower Miocene (Aquitanian) Sphenolithus conicus	DEF AT 6
24680 / 24678	DEF AT Arenaceous fauna (local marker)	DEF AT 6
24739 / 24737	DEF IN Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 7
24740 / 24738	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 7
24860 / 24858	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 7
24920 / 24918	DEF AT Arenaceous fauna (local marker)	DEF AT 7
25190 / 25188	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT 7
25220 / 25218	POS AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 7
25250 / 25248	DEF AT local marker foram increase	DEF AT 7
25399 / 25397	DEF AT Upper Oligocene (Chattian) Sphenolithus ciproensis	DEF AT 7
25400 / 25398	DEF AT Upper Oligocene (Chattian) Globigerina ciproensis ciproensis	DEF AT 7
25460 / 25458	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 7

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 724	Date of Summary: 05-NOV-2004	First Sample Examined: 14131
Lease Number: G17011	Source of Paleo: OPERATOR	Borehole MD: 29848
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29845
API Well Number: 608124001400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14131 - 29847	Water Depth: 7591
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25520 / 25518	DEF AT local marker floral increase	DEF AT 7
25669 / 25667	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 7
25670 / 25668	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 7
25699 / 25697	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 7
25700 / 25698	DEF AT local marker foram increase	DEF AT 7
25790 / 25788	DEF AT local marker foram increase	DEF AT 7
25819 / 25817	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT 7
25820 / 25818	DEF AT local marker planktic foram increase	DEF AT 7
25910 / 25908	POS AT Lower Oligocene (Rupelian) Discoaster ornatus	DEF AT 7
25939 / 25937	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 7
25940 / 25938	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 7
26000 / 25998	DEF AT local marker planktic foram increase	DEF AT 7
26119 / 26117	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF AT 7
26120 / 26118	POS AT Arenaceous fauna (local marker)	DEF AT 7
26299 / 26297	DEF AT reworked material	DEF AT 7
26300 / 26298	DEF AT Lower Oligocene (Rupelian) Ericsonia subdisticha	DEF AT 7
26539 / 26537	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 7
26540 / 26538	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT 7
26660 / 26658	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 7
26689 / 26687	DEF AT local marker foram increase	DEF AT 7
26690 / 26688	POS IN Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT 7
26717 / 26715	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT 7
26718 / 26716	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 7
26719 / 26717	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 7

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 724	Date of Summary: 05-NOV-2004	First Sample Examined: 14131
Lease Number: G17011	Source of Paleo: OPERATOR	Borehole MD: 29848
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29845
API Well Number: 608124001400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14131 - 29847	Water Depth: 7591
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
26720 / 26718	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 7
26749 / 26747	DEF AT Upper Eocene (Priabonian) Chiasmolithus consuetus	DEF AT 7
26750 / 26748	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT 7
26840 / 26838	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 7
26900 / 26898	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 7
26930 / 26928	POS AT Middle Eocene (Bartonian) Globorotalia spinuloinflata	DEF AT 7
26958 / 26956	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT 7
26959 / 26957	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 7
26960 / 26958	DEF AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF AT 7
27020 / 27018	POS AT radiolarians	DEF AT 7
27050 / 27048	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 7
27109 / 27107	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT 7
27110 / 27108	DEF AT radiolarians	DEF AT 7
27139 / 27137	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF AT 7
27140 / 27138	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT 7
27200 / 27198	DEF AT Arenaceous fauna (local marker)	DEF AT 7
27350 / 27348	DEF AT Bathysiphon fauna	DEF AT 7
27439 / 27437	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT 7
27440 / 27438	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT 7
27459 / 27457	DEF AT reworked material	DEF AT 7
27530 / 27528	DEF AT local marker floral increase	DEF AT 7
27560 / 27558	DEF AT reworked material	DEF AT 7
27740 / 27738	DEF AT reworked material	DEF AT 7
27770 / 27768	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT 7

This report contains public paleo reports only for the time period stated

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
GULF OF MEXICO REGION

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2005

End Date: 21-DEC-2007

Area Block: WR 724	Date of Summary: 05-NOV-2004	First Sample Examined: 14131
Lease Number: G17011	Source of Paleo: OPERATOR	Borehole MD: 29848
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29845
API Well Number: 608124001400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14131 - 29847	Water Depth: 7591
Public Info Code: Y 31-AUG-2006	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27890 / 27888	DEF AT Bathysiphon fauna	DEF AT 7
27920 / 27918	POS AT local marker planktic foram increase	DEF AT 7
27950 / 27948	DEF AT Arenaceous fauna (local marker)	DEF AT 7
28040 / 28037	DEF AT Bathysiphon fauna	DEF AT 7
28100 / 28097	POS AT Arenaceous fauna (local marker)	DEF AT 7
28250 / 28247	DEF AT Arenaceous fauna (local marker)	DEF AT 7
28310 / 28307	DEF AT Bathysiphon fauna	DEF AT 7
28550 / 28547	DEF AT Arenaceous fauna (local marker)	DEF AT 7
28730 / 28727	DEF AT Bathysiphon fauna	DEF AT 7
28820 / 28817	DEF AT reworked material	DEF AT 7
29000 / 28997	DEF AT Bathysiphon fauna	DEF AT 7
29180 / 29177	POS AT Bathysiphon fauna	DEF AT 7
29360 / 29357	DEF AT Bathysiphon fauna	DEF AT 7
29540 / 29536	POS AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF AT 7
29810 / 29806	POS AT Lower Paleocene (Danian) Chiasmolithus danicus	DEF AT 7
29847 / 29843	DEF AT last sample examined	DEF AT 7

This report contains public paleo reports only for the time period stated