

DAILY GEOLOGICAL REPORT

Date:	31 October 2005	Rig:	Ocean Patriot
Report Number:	9	Bit Diameter:	216 mm (8.5")
Report Period:	06:00 - 06:00 Hours	Last Casing:	340 mm @ 817.6 m MDRT
Spud Date:	24-Oct-2005 03:30 Hours	FIT:	1.70 sg EMW @ 827.0 m MDRT
Days From Spud:	7.1	Mud Weight:	1.22 sg
Depth @ 0600 Hrs:	2036.0 mMDRT		1.26 sg
	2014.3 mTVDAHD	Mud Type:	KCL/PHPA
Lag Depth:	2020.0 mMDRT	Mud Chlorides:	47, 000 mg/L
Last Depth:	1623.0 m MDRT		1.03 sg
Progress:	413.0 m	Last Survey:	2001.54 mMDRT
Water Depth:	58.6 m	Deviation:	Inc. 0.62°
RT:	21.5 m		Az. 65.93°

OPERATIONS SUMMARY

24 HOUR SUMMARY: Drilled ahead 216 mm hole. Top Lakes Entrance Formation at 1820.0 mMDRT.

NEXT 24 HOURS: Drill ahead 216 mm hole.

CURRENT OPERATION @ 06:00 HRS (31-Oct-2005): Drilling ahead 216 mm hole in the Lakes Entrance Formation

GEOLOGICAL SUMMARY

LITHOLOGY

INTERVAL: 1600.0 to 1820.0 mMDRT (-1578.4 to -1798.3 mTVDAHD)
ROP (Range): 2.0 to 56.0 m/h
Av. ROP: 20.0 m/h

Massive Calcareous Claystone

CALCAREOUS CLAYSTONE (100%): dominantly light medium grey - medium grey, soft to occasionally firm, sub-blocky to amorphous, trace very fine disseminated pyrite, trace micro-fossils, trace dark grey to black streaks and specks of carbonaceous material.

INTERVAL: 1820.0 to 1880.0 mMDRT (-1798.3 to -1858.3 mTVDAHD)
ROP (Range): 12.0 to 94.0 m/h
Av. ROP: 32.0 m/h

Predominantly Massive Calcareous Claystone with trace Calcisiltite

CALCISILTITE (Tr-0%): predominantly off white to very light grey, occasionally very pale grey-brown, very soft to moderately firm, amorphous, trace calcareous silt grains, trace carbonaceous specks, grading into Calcareous Claystone.

CALCAREOUS CLAYSTONE (100%): light grey - medium grey, soft to rarely firm, sub-blocky to amorphous, trace very fine disseminated pyrite, very rare micro-fossils, commonly homogenous, becoming less calcareous and lighter in colour with depth.

INTERVAL: 1880.0 to 2020.0 mMDRT (-1858.3 mTVDAHD)
ROP (Range): 10.0 to 89.0 m/h
Av. ROP: 27.0 m/h

Massive Calcareous Claystone

CALCAREOUS CLAYSTONE (100%): light medium grey - medium grey, soft - rarely firm, sub-blocky, commonly amorphous, trace very fine disseminated pyrite, very rare micro-fossils, commonly homogenous,

becoming less calcareous and lighter in colour with depth.

HYDROCARBON FLUORESCENCE

No Shows

GAS SUMMARY

Background Gas							
INTERVAL (m MDRT)	Total Gas (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	iC4 (ppm)	nC4 (ppm)	C5 (ppm)
1600.0 - 1820.0	0.22	1969	20	11	11	2	6
1820.0 - 1880.0	0.3	2558	31	20	19	5	10
1880.0 - 2020.0	0.23	1886	25	17	18	6	17

Gas Peak							
INTERVAL (m MDRT)	Total Gas (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	iC4 (ppm)	nC4 (ppm)	C5 (ppm)
1808.0 - 1808.0	0.43	2855	33	21	22	6	12
1845.0 - 1845.0	0.5	3884	45	30	27	8	22

Connection Gas							
INTERVAL (m MDRT)	Total Gas (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	iC4 (ppm)	nC4 (ppm)	C5 (ppm)
1965.0 - 1976.0	0.24	1882	27	19	20	7	24
2001.0 - 2013.0	0.23	1846	25	17	18	6	20

CALCIMETRY

Interval (m MDRT)	Calcite Range	Dolomite Range
1640.0 – 1660.0	34%	nil
1680.0 – 1700.0	31%	nil
1720.0 - 1740.0	30 %	nil
1760.0 - 1780.0	31 %	nil
1800.0 - 1820.0	29 %	nil
1840.0 - 1860.0	32 %	nil
1880.0 - 1900.0	24 %	nil
1920.0 – 1940.0	25 %	nil

MWD

Sensor to bit distances:

Directional	32.73 m
BAT Sonic	28.03 m
CNP Porosity	23.21 m
SLD Density	20.40 m
EWR-P4 Resistivity	13.72 m
DGR Gamma Ray	11.51 m

WIRELINE

Wireline crew onboard checking tools.

WELLSITE GEOLOGISTS

Rob Blackmore / Mike Woodmansee

