

DAILY GEOLOGICAL REPORT

Date:	03 December 2008	Rig:	Ocean Patriot
Report Number:	8	Bit Diameter:	311 mm
Report Period:	06:00 - 06:00 Hours	Last Casing:	340mm Casing @ 1546.3 mMDRT
Spud Date:	27-Nov-2008 13:00 Hours	FIT:	1.65 sg EMW @ 1546.3 mMDRT
Days From Spud:	5.7	Mud Weight:	1.15 sg
Depth @ 0600 Hrs:	1764.0 mMDRT	ECD:	1.17 sg
	-1742.5 mTVDAHD	Mud Type:	KCL / Polymer
Lag Depth:	1700.0 mMDRT	Mud Chlorides:	78000.00 mg/L
Last Depth:	1551.0 mMDRT	Est. Pore Pressure:	1.04 sg
Progress:	213.0 m	Last Survey:	1569.73 mMDRT
Water Depth:	392.6 m	Deviation:	Inc. 0.49°
RT:	21.5 m		Az. 1.74°

OPERATIONS SUMMARY

24 HOUR SUMMARY: Continued in hole with BHA. Shallow test LWD tools. Ran in hole picking up 127 mm (5") drillpipe. Drilled out 340 mm (13 3/8") shoe. Displaced to mud. Conducted FIT. Drilled ahead new 311 mm (12 1/4") open hole.

NEXT 24 HOURS: Drill ahead 311 mm (12 1/4") hole to section TD.

CURRENT OPERATION

@ 06:00 HRS (03-Dec-2008): Drilling ahead new 311 mm (12 1/4") open hole at 1764.0 mMDRT.

GEOLOGICAL SUMMARY

LITHOLOGY

INTERVAL: 1551.0 to 1700.0 mMDRT (-1529.5 to -1678.5 mTVDAHD)
ROP (Range): 20.0 to 291.0 m/h
Av. ROP: 54.0 m/h

CALCARENITE with interbedded CALCILUTITE

CALCARENITE (60 to 90%): Light grey, light greenish grey, light grey to off white, occasionally light orange brown, very fine to medium quartz grains, dominantly very fine to fine, generally well sorted, round to sub-angular, dominantly rounded, abundant argillaceous matrix and commonly grading to CALCISILTITE, common dark lithics, trace glauconitic material, common micro-fossils, common to abundant very hard orange brown crystalline calcite fragments, firm to moderately hard, hard to very hard in part, very poor visible porosity, no hydrocarbon fluorescence.

CALCILUTITE (10 to 40%): Light grey, light greenish grey, light grey to off white, medium greenish grey, occasionally arenaceous and locally grading to CALCISILTITE, occasional floating fine quartz grains, common dark lithics, minor glauconitic material, common micro-fossils, common to abundant very hard orange brown crystalline calcite fragments, firm, sub-blocky to blocky.

GAS SUMMARY

Background Gas							
INTERVAL (mMDRT)	Total Gas (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	iC4 (ppm)	nC4 (ppm)	C5 (ppm)
1551.0 - 1700.0	0.07	1	0	0	0	0	0

Note: No chromatograph gas due to panel failure.

SAMPLE QUALITY

Good sample returns. Sample rate dictated by ROP.
 Collected 10 m sample intervals from 1551.0 m to 1600.0 mMDRT.

Collected 20 m sample intervals from 1600.0 mMDRT.

MUDLOGGING EQUIPMENT / PERSONNEL

All drilling systems operational. Chromatograph failed overnight. BHI technician unable to service onsite. Replacement ordered and will be hotshot to rig.

MWD

Run #4, Bit Run #3: 311 mm LWD Tool offsets to bit:

Tool	Serial #	Distance to bit (m)
Pressure w/- Drilling	ARC LWD	10.47
Resistivity	ARC LWD	11.18
Gamma Ray	ARC LWD	11.23
Direction and Inclination	Telescope MWD	18.99
Sonic	Sonic Vision	28.01
Gamma Ray	GVR LWD	31.5
Ring Resistivity	GVR LWD	31.76
Sonic / Density Caliper	SADN LWD	38.17
Neutron Density	SADN LWD	38.43
Neutron Porosity	SADN LWD	40.17

Surveys being taken every 10 stands.

Sonic tool failed from the outset of drilling. No sonic data. Unit UPS failed overnight. Replacement to be dispatched.

Tool configuration does not allow real time data for the SADN (Density and Porosity) tool to be displayed as there are no extenders connecting them to the communication tool. No real time data from GVR-8 (GeoVision Resistivity) will be displayed. The recorded sonic data cannot be processed on the rig and will be sent back to town processing.

REMARKS

Ran in hole with directional BHA and shallow test LWD tools. Continued to run in hole picking up 127 mm (5") drillpipe. Tagged top of cement at 1530.0 mMDRT. Drilled out 340 mm (13 3/8") shoe track and displaced to mud. Drilled 3.0 m of new formation and conducted FIT to 1.65 sg EMW. Drilled ahead new 311 mm (12 1/4") open hole to 1764.0 mMDRT.

WELLSITE GEOLOGISTS

Greg Fawns / Adam Cruickshank