DAILY GEOLOGICAL REPORT

Date:	12 November 2008	**Rig:**	Ocean Patriot
Report Number:	14	**Bit Diameter:**	216 mm
Report Period:	06:00 - 06:00 Hours	**Last Casing:**	340 mm Casing @ 1532.1 mMDRT
Spud Date:	05-Nov-2008 03:30 Hours	**LOT:**	1.34 sg EMW @ 1532.1 mMDRT
Days From Spud:	7.1	**Mud Weight:**	1.15 sg
Depth @ 0600 Hrs:	1651.0 mMDRT -1629.4 mTVDAHD	**ECD:**	1.19 sg
		Mud Type:	KCL / Polymer
Lag Depth:	1620.0 mMDRT	**Mud Chlorides:**	60000.00 mg/L
Last Depth:	1537.0 mMDRT	**Est. Pore Pressure:**	1.08 sg
Progress:	114.0 m	**Last Survey:**	1641.01 mMDRT
Water Depth:	517.3 m	**Deviation:**	Inc. 0.96°
RT:	21.5 m		Az. 329.53°

OPERATIONS SUMMARY

24 HOUR SUMMARY: Shallow tested LWD tools - failed. Pulled out of hole, changed out LWD telemetry module, shallow tested - good and ran in hole. Drilled out shoe track plus 3 m of new formation and conducted LOT. Drilled ahead 216 mm (8 1/2") hole to 1651.0m MDRT.

NEXT 24 HOURS: Drill 216 mm hole.

CURRENT OPERATION @ 06:00 HRS (12-Nov-2008): Drilling ahead in 216 mm hole at 1651.0 mMDRT.

GEOLOGICAL SUMMARY

LITHOLOGY

INTERVAL: 1537.0 to 1620.0 mMDRT (-1515.4 to -1598.4 mTVDAHD)
ROP (Range): 6.0 to 71.0 m/h
Av. ROP: 27.0 m/h

Massive CALCILUTITE with thin DOLOMITIC CLAYSTONE stringers.
CALCILUTITE (95 to 100%): light grey, light greenish grey, light grey to off white, medium green grey, common argillaceous matrix, occasional fine quartz grains, common dark lithics, common glauconitic material, occasional micro-fossils, firm to moderately hard, sub-blocky to blocky.
DOLOMITIC CLAYSTONE (Trace to 5%): light yellow, orange, abundant calcareous material, minor lithics, moderately hard to hard, sub-blocky.

GAS SUMMARY

Background Gas							
INTERVAL (mMDRT)	**Total Gas (%)**	**C1 (ppm)**	**C2 (ppm)**	**C3 (ppm)**	**iC4 (ppm)**	**nC4 (ppm)**	**C5 (ppm)**
1537.0 - 1620.0	0.03	318	0	0	0	0	0

SAMPLE QUALITY
Collected 10.0 m sample intervals from 1537.0 to 1620.0 mMDRT.

MUDLOGGING EQUIPMENT / PERSONNEL
All systems operational. Currently using backup depth system whilst repairs made to geolograph. Carbide tested gas line integrity from gas trap - good response.

MWD
Run #4, Bit Run #3: 216 mm LWD Tool offsets to bit:

Tool	Serial #	Distance to bit (m)
Direction and Inclination	PCDC MWD	7.40
Azimuthal Focused Res	AFR LWD	11.10
Gamma Ray	DGR LWD	13.86
Resistivity	EWR LWD	16.18
Pressure w/- Drilling	PWD	21.05
Neutron Density	ALD LWD	26.20
Neutron Porosity	CNP LWD	28.81
BAT Sonic	BAT LWD	39.95
Acoustic Caliper	ACAL LWD	43.72

Replaced IXO negative pulse for positive pulse tool.
Currently servicing geolograph due to broken shaft and line.

Rmf: 0.04 @ 30°C
Rm: 0.058 @ 30°C
Rmc 0.07 @ 30°C

REMARKS
Shallow tested LWD tool at 613.0 mMDRT - no communication established. Trouble shot same but failed to rectify problem. Conducted mode switch on HCIM and attempted to shallow test - unsuccessful. Pulled out of hole and changed out LWD telemetry module. (Removed RA sources. Plugged into and downloaded MWD/LWD tools. Laid out BAT, ACAL and float sub. Laid out IXO and SDC (negative pulse), picked up and made up HOC (positive pulse). Plugged into HCIM and initialised same. Made up float sub, BAT and ACAL. Installed RA sources). Shallow tested Sperry MWD/LWD tool string - good. Ran in hole and tagged top of cement at 1518.9 mMDRT. Drilled out cement plugs and float collar, displaced well to WBM, and drilled out shoe track plus 3 m of new formation. Performed LOT (1.34 sg EMW with 1.15 sg MW to 2524 kPa). Drilled ahead 216 mm (8 1/2") hole to 1651.0m MDRT.

WELLSITE GEOLOGISTS
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