

DAILY GEOLOGICAL REPORT

Date:	10 January 2009	Rig:	Ocean Patriot
Report Number:	23	Bit Diameter:	216 mm
Report Period:	06:00 - 06:00 Hours	Last Casing:	244 mm @ 3243.9 mMDRT
Spud Date:	20-Dec-2008 17:30 Hours	FIT:	1.60 sg EMW @ 3252.0 mMDRT
Days From Spud:	20.5	Mud Weight:	1.15 sg
Depth @ 0600 Hrs:	4816.0 mMDRT	ECD:	1.28 sg
	-3548.5 mTVDAHD	Mud Type:	KCl Polymer
Lag Depth:	4800.0 mMDRT	Mud Chlorides:	58000 mg/L
Last Depth:	4663.0 mMDRT	Est. Pore Pressure:	N/A
Progress:	153.0 m	Last Survey:	4766.49 mMDRT
Water Depth:	504.9 m	Deviation:	Inc. 47.10°
RT:	21.5 m		Az. 191.57°

OPERATIONS SUMMARY

24 HOUR SUMMARY: Continued drilling 216 mm directional hole from 4663.0 m to 4816.0 mMDRT.

NEXT 24 HOURS: Continue drilling 216 mm directional hole from 4816.0 mMDRT to TD.

CURRENT OPERATION

@ 06:00 HRS (10-Jan-2009): Drilling 216 mm directional hole at 4816.0 mMDRT.

GEOLOGICAL SUMMARY

LITHOLOGY

INTERVAL: 4655.0 to 4800.0 mMDRT (-3438.9 to -3537.6 mTVDAHD)
ROP (Range): 2.0 to 35.0 m/h
Av. ROP: 10.0 m/h

Massive SILTSTONE.

SILTSTONE (100%): medium light grey to olive grey, trace brownish black, rare to minor dark greenish grey, non calcareous, trace very finely arenaceous, trace very fine loose quartz grains, argillaceous grading to SILTY CLAYSTONE in part, trace micromicaceous, trace disseminated pyrite, trace very fine glauconite, trace glauconite clay pellets, soft to dominantly firm, rare moderately hard, amorphous to sub-blocky, sub-fissile in part.

GAS SUMMARY

Background Gas							
INTERVAL (mMDRT)	Total Gas (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	iC4 (ppm)	nC4 (ppm)	C5 (ppm)
4655.0 - 4800.0	0.02	120	2	2	0	0	0

SAMPLE QUALITY

5.0 metre bagged samples from 4655.0 m to 4800.0 mMDRT.

MUDLOGGING EQUIPMENT / PERSONNEL

All systems fully functional.

The gas line from the gas trap to the BHI Unit has been tested and found to be good.

MWD

Run #6, Bit Run #6: 216 mm LWD Tool offsets to bit:

<u>Tool</u>	<u>Serial #</u>	<u>Distance to bit (m)</u>
Gamma Ray	EcoScope YC85	9.84
APWD	EcoScope YC85	10.00
Density	EcoScope YC85	11.04
Caliper	UltraSonic Caliper	11.46
Resistivity	EcoScope YC85	12.88
Neutron Porosity	EcoScope YC85	13.13
Direction and Inclination	TelescopeMWD VG67	20.16
GVR Resistivity	GVR 41872	26.45
Sonic	SonicVision 46324	32.71

WIRELIN

All primary and back-up tools have been tested.

REMARKS

The drilling of the 216 mm directional hole continued from 4663.0 m to 4816.0 mMDRT.

WELLSITE GEOLOGISTS

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