

DAILY GEOLOGICAL REPORT

Date:	29 December 2008	Rig:	Ocean Patriot
Report Number:	11	Bit Diameter:	311 mm
Report Period:	06:00 - 06:00 Hours	Last Casing:	340 mm @ 1735.9 mMDRT
Spud Date:	20-Dec-2008 17:30 Hours	Integrity Test:	Not done.
Days From Spud:	8.5	Mud Weight:	1.16 sg
Depth @ 0600 Hrs:	3163.0 mMDRT	ECD:	1.24 sg
	-2418.7 mTVDAHD	Mud Type:	KCI Polymer
Lag Depth:	3110.0 mMDRT	Mud Chlorides:	51000 mg/L
Last Depth:	2545.0 mMDRT	Est. Pore Pressure:	N/A
Progress:	618.0 m	Last Survey:	3142.18 mMDRT
Water Depth:	504.9 m	Deviation:	Inc. 47.24°
RT:	21.5 m		Az. 192.62°

OPERATIONS SUMMARY

24 HOUR SUMMARY: Directionally drilled 311mm hole from 2545.0 m to 3163.0 mMDRT.

NEXT 24 HOURS: Continue directionally drilling 311mm hole to the planned section TD. Circulate hole clean. Pull out of hole. Rig up and run 244 mm casing.

CURRENT OPERATION
@ 06:00 HRS (29-Dec-2008): Directionally drilling 311mm hole at 3163.0 mMDRT.

GEOLOGICAL SUMMARY

LITHOLOGY

INTERVAL: 2520.0 to 2640.0 mMDRT (-1981.2 to -2062.7 mTVDAHD)
ROP (Range): 2.0 to 56.0 m/h
Av. ROP: 29.0 m/h

Dominantly CALCISILTITE interbedded with minor CALCAREOUS CLAYSTONE and trace CALCARENITE.

CALCISILTITE (65 to 90%): very light grey to light olive grey, abundantly silty grading to SILTY CALCILUTITE and CALCAREOUS SILTSTONE, trace very finely arenaceous, trace very fine glauconite, trace micromicaceous, trace very fine carbonaceous specks, soft to firm, amorphous to sub-blocky, trace blocky.

CALCAREOUS CLAYSTONE (7 to 25%): light grey to medium light grey, light olive grey, abundantly calcareous grading to CALCILUTITE, trace micromicaceous, trace very fine glauconite, trace very fine carbonaceous specks, soft to firm, amorphous to sub-blocky.

CALCARENITE (Nil to 10%): light grey to medium light grey, very fine to fine, well sorted, silty in part grading to CALCISILTITE, trace very fine glauconitic grains, moderately hard, poor visible porosity, no hydrocarbon fluorescence.

INTERVAL: 2640.0 to 2780.0 mMDRT (-2062.7 to -2158.3 mTVDAHD)
ROP (Range): 9.0 to 122.0 m/h
Av. ROP: 36.0 m/h

Interbedded CALCISILTITE, CALCAREOUS CLAYSTONE and CALCARENITE.

CALCISILTITE (20 to 80%): very light grey to light olive grey, very silty grading to CALCAREOUS SILTSTONE, trace very finely arenaceous, trace very fine glauconite, trace micromicaceous, soft to firm, amorphous to sub-blocky, trace blocky.

CALCAREOUS CLAYSTONE (5 to 70%): medium grey to medium light grey, light olive grey, abundantly calcareous grading to CALCILUTITE, trace micromicaceous, trace very fine glauconite, soft to firm, amorphous to sub-blocky.

CALCARENITE (Nil to 75%): light grey to medium light grey, light olive grey, very fine to fine, well sorted,

silty in part grading to CALCISILTITE, trace very fine glauconitic grains, moderately hard, poor visible porosity, no hydrocarbon fluorescence.

INTERVAL: 2780.0 to 3110.0 mMDRT (-2158.3 to -2382.7 mTVDAHD)
ROP (Range): 22.0 to 176.0 m/h
Av. ROP: 76.0 m/h

CALCAREOUS CLAYSTONE interbedded with trace CALCISILTITE at top of interval.

CALCAREOUS CLAYSTONE (80 to 100%): medium grey to medium light grey, light olive grey, abundantly calcareous grading to CALCILUTITE, trace micromicaceous, trace very fine glauconite, soft to dominantly firm, amorphous to sub-blocky.

CALCISILTITE (Nil to 20%): very light grey to light olive grey, very silty grading to CALCAREOUS SILTSTONE, trace very finely arenaceous, trace very fine glauconite, trace micromicaceous, trace carbonaceous specks, soft to firm, amorphous to sub-blocky, trace blocky.

GAS SUMMARY

Background Gas							
INTERVAL (mMDRT)	Total Gas (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	iC4 (ppm)	nC4 (ppm)	C5 (ppm)
2520.0 - 2640.0	0.09	771	0	2	0	0	0
2640.0 - 2780.0	0.07	623	0	2	0	0	0
2780.0 - 3110.0	0.16	1214	0	2	0	0	0

SAMPLE QUALITY

5.0 metre bagged samples from 2520.0 m to 2730.0 mMDRT.
 10.0 metre bagged samples from 2730.0 m to 2860.0 mMDRT.
 20.0 metre bagged samples from 2860.0 m to 3160.0 mMDRT.
 10.0 metre bagged samples from 3160.0 m to 3110.0 mMDRT.

MUDLOGGING EQUIPMENT / PERSONNEL

All systems fully functional.

Note: The communications through WITS between BHI Mudlogging and Anadrill is ONE WAY ONLY, from BHI Mudlogging to Anadrill, NOT from Anadrill to BHI Mudlogging.

MWD

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

Tool	Serial #	Distance to bit (m)
APWD	arcVISION 4126	10.67
Resistivity	arcVISION 4126	11.38
Gamma Ray	arcVISION 4126	11.43
Direction and Inclination	TeleScopeMWD E0442	18.99
Sonic	sonicVISION E2665	28.05

Anadrill monitoring depth through the supply of BHI Mudlogging's Kelly bottle depth tracking data via WITS. The Anadrill Geograph has been rigged up on stand-by, ready to be used if BHI Mudlogging are unable to provide depth data.

REMARKS

The directional drilling of the 311mm hole section continued from 2545.0 m to 3163.0 mMDRT.

WELLSITE GEOLOGISTS

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