

DAILY GEOLOGICAL REPORT

Date:	30 December 2008	Rig:	Ocean Patriot
Report Number:	12	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:	9.5	Mud Weight:	1.18 sg
Depth @ 0600 Hrs:	3248.9 mMDRT	ECD:	1.23 sg
	-2476.5 mTVDAHD	Mud Type:	KCl Polymer
Lag Depth:	3248.9 mMDRT	Mud Chlorides:	52000 mg/L
Last Depth:	3163.0 mMDRT	Est. Pore Pressure:	N/A
Progress:	85.9 m	Last Survey:	3225.02 mMDRT
Water Depth:	504.9 m	Deviation:	Inc. 47.61°
RT:	21.5 m		Az. 192.02°

OPERATIONS SUMMARY

24 HOUR SUMMARY: Drilled 311mm hole to the section TD of 3248.9 mMDRT. Circulated hole clean. Performed wiper trip to 2327.0 mMDRT. Ran in hole and circulated bottoms-up. Pulled out of hole to 1931.0 mMDRT.

NEXT 24 HOURS: Pull out of hole to surface. Retrieve wear bushing. Lay down 311 mm BHA and read LWD tools. Rig up and run 244 mm casing.

CURRENT OPERATION

@ 06:00 HRS (30-Dec-2008): Pulling out of hole with 311mm BHA at 1931.0 mMDRT.

GEOLOGICAL SUMMARY

LITHOLOGY

INTERVAL: 3110.0 to 3248.9 mMDRT (-2382.6 to -2476.5 mTVDAHD)
ROP (Range): 7.0 to 95.0 m/h
Av. ROP: 35.0 m/h

Massive CALCAREOUS CLAYSTONE.

CALCAREOUS CLAYSTONE (100%): medium grey to medium light grey, light olive grey, abundantly calcareous grading to CALCILUTITE, trace micromicaceous, trace very fine glauconite, trace disseminated pyrite, trace to common pyrite nodules, trace very fine carbonaceous specks, trace ooids, trace microfossils (ostracods), soft to dominantly firm, amorphous to sub blocky.
 (Disseminated pyrite and pyrite nodules seen in the samples from 3215.0 m to 3248.9 mMDRT).

GAS SUMMARY

Background Gas							
INTERVAL (mMDRT)	Total Gas (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	iC4 (ppm)	nC4 (ppm)	C5 (ppm)
3110.0 - 3248.9	0.15	1254	1	3	1	0	0

SAMPLE QUALITY

10.0 metre bagged samples from 3110.0 m to 3160.0 mMDRT (due to high ROP).
 5.0 metre bagged samples from 3160.0 m to 3245.0 mMDRT.
 3.9 metre bagged sample from 3245.0 m to 3248.9 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 monitored depth through the supply of BHI Mudlogging's Kelly bottle depth tracking data through WITS. The Anadrill Geolograph has been rigged up on stand-by, ready to be used if BHI are unable to provide depth data.

REMARKS

Directional drilled 311mm hole to section TD of 3248.9 mMDRT. After circulating the hole clean, a wiper trip was performed by pumping out of hole to 2502.0 mMDRT before pulling out of hole to 2327.0 mMDRT. Ran back in hole to TD and circulated bottoms-up. The 311 mm drilling assembly was then pulled out of hole to 1931.0 mMDRT.

WELLSITE GEOLOGISTS

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