

Rockhopper-1

Date : 14 Dec 2009

Geology Report Number : 8

(associated DDR # 16)

Well Details

Depth MDBRT:	1972.0m	Rig:	Kan Tan IV	Date:	14 Dec 2009
Depth TVDBRT:	1972.0m	Progress:	0.0m	Report Start:	0000
Depth TVDSS:	1946.0m	RTE agl:		Report End:	2400
Hole Size:	12.250in	GLE amsl:	0 (m)	Days On Location:	16.04
Hole Size Carbide:		Last Csg Size:	9.625in	Days since Spud:	14.02
Water Depth (MSL)	74.3m	Last Csg Shoe:	1965.0m		
RT-ASL(MSL)	26.0m	F.I.T. / L.O.T.:	/ 17.50ppg		

Operations Summary

24hr Summary:	Ran wear bushing. Rigged up to retrieved LMRP for repairs.
Forward Plan:	Recover LMRP to surface for repairs.

General Comments

00:00 TO 24:00 Hrs ON 14 Dec 2009

Operational Comments

Geoservices: 2 data engineers, 2 mudloggers, 2 sample catchers on board. Reserval and back up gas equipment calibrated 8 Dec 09.
Sperry: 3 MWD engineers, 1 DD on board. 216 mm (8-1/2") hole section tools on board, commenced op checks.

WBM Data

Mud Type:	Flowline Temp:	CI:	Low Gravity Solids:	Viscosity	70sec/qt
KCL/Polymer/PHPA	MWD Circ Temp:	Hard/Ca: 240mg/l	High Gravity Solids:	PV	11cp
Sample From: PIT 2	Glycol CP Temp:	MBT: 8	Solids (corrected):	YP	27lb/100ft ²
Time: 2200	Glycol:	PM: 0.3	H2O: 93%	Gels 10s	10
Weight: 9.65ppg	Nitrates:	PF: 0.3	Oil:	Gels 10m	15
ECD TD:	Sulphites:	MF: 2	Sand: %	Fann 003	8
ECD Shoe:	API FL: 5.2cc/30min	pH: 9	Barite:	Fann 006	10
ECD Cuttings:	API Cake: 1/32nd"	PHPA Excess:		Fann 100	24
KCl Equiv: 8%				Fann 200	32
				Fann 300	38
				Fann 600	49

Shakers, Volumes and Losses Data

Engineer : Mike Lawrance / James Munford

Available	2213.0bbl	Losses	80.3bbl	Equip.	Descr.	Mesh Size	Hours
Active	800.0bbl	Downhole					
Mixing		Surf+ Equip	80.3bbl				
Hole	473.0bbl	Dumped					
Slug		De-Gasser					
Reserve	890.0bbl	De-Sander					
Kill		De-Silter					
PAD Mud	50.0bbl	Centrifuge					
		Pumped Sweep/Displace					

Comment

Formation Tops

Formation	Prognosed		Actual		Diff.	Thickness MD (m)	Pick Criteria
	MDVRT (m)	TVDSS (m)	MDVRT (m)	TVDSS (m)	+ / - TVD (m)		
Torquay Group	102.00	76.00	100.30	74.30	1.70	1040.50	Sea bed
Lower Miocene Seismic marker	949.00	923.00			0.00	0.00	Not identified
Upper Angahook	1125.00	1099.00	1140.80	1114.80	-15.80	144.00	GR decr, res incr, litho
Angahook Volcanics Equiv	1294.00	1268.00	1284.80	1258.80	9.20	253.70	GR decr, res incr
Lower Angahook	1543.00	1517.00	1538.50	1512.50	4.50	286.80	GR decr, res incr
Demons Bluff Formation	1827.00	1801.00	1825.30	1799.30	1.70	0.00	GR incr, res incr

06:00 Hrs Update

Time:	06:00 Hrs on 15 Dec 2009
Depth:	1972 mMDRT/1972 mTVDRT
Progress Since Midnight (m):	0
Status @ 0600hrs:	Pulling LMRP
Formation:	Demons Bluff Formation
Lithology:	No drilling
ROP:	No drilling
Gas:	No drilling

Wellsite Geologist(s)

(Days) - Dennis Archer

(Nights) - Cleve Matthews