

### Rockhopper-1

Date : 08 Dec 2009

Geology Report Number : 2

( associated DDR # 10 )

#### Well Details

Depth MDBRT:	966.0m	Rig:	Kan Tan IV	Date:	08 Dec 2009
Depth TVDBRT:	966.0m	Progress:	0.0m	Report Start:	0000
Depth TVDSS:	940.0m	RTE agl:		Report End:	2400
Hole Size:	17.500in	GLE amsl:	0 (m)	Days On Location:	9.96
Hole Size Carbide:		Last Csg Size:	13.375in	Days since Spud:	8.02
Water Depth (MSL)	74.3m	Last Csg Shoe:	961.0m		
RT-ASL(MSL)	26.0m	F.I.T. / L.O.T.:	/		

#### Operations Summary

24hr Summary:	Unsuccessfully pressure tested BOP connector. Successfully pressure tested surface equipment. Made up drill pipe stands. Made up 244 mm (9-5/8") casing hanger. Commenced making up 311 mm (12-1/4") BHA.
Forward Plan:	RIH, drill out shoe track and 5 m of new hole, conduct LOT, drill ahead in 311 mm (12-1/4") hole section.

#### General Comments

00:00 TO 24:00 Hrs ON 08 Dec 2009

<b>Operational Comments</b>	Geoservices: 2 data engineers, 2 mudloggers, 2 sample catchers on board. Reserval and back up gas equipment calibrated 8 Dec 09. Sperry: 2 MWD engineers, 1 DD on board. 311 mm (12-1/4") hole back up tools checked OK.
<b>Operational Comments</b>	LWD sensor distances: Vibration (DDSr): 0.00 m Gamma (DGR): 12.37 m Resistivity (EWR-P4): 14.84 m Directional (PCD): 19.79 m

#### WBM Data

Mud Type: KCL/PHPA WBF	Flowline Temp:	Cl:	Low Gravity Solids:	Viscosity	49sec/qt
Sample From: PIT 4	MWD Circ Temp:	Hard/Ca: 1mg/l	High Gravity Solids:	PV	10cp
Time: 2000	Glycol CP Temp:	MBT: 5	Solids (corrected):	YP	13lb/100ft <sup>2</sup>
Weight: 8.90ppg	Glycol:	PM: 0.2	H2O: 96%	Gels 10s	4
ECD TD:	Nitrates:	PF: 0.25	Oil:	Gels 10m	6
ECD Shoe:	Sulphites:	MF: 1.1	Sand: %	Fann 003	14
ECD Cuttings:	API FL:	pH: 9	Barite:	Fann 006	16
KCl Equiv: 8%	API Cake:	PHPA Excess:		Fann 100	5
				Fann 200	40
				Fann 300	48
				Fann 600	60

#### Shakers, Volumes and Losses Data

Engineer : Jay Wan / Kosta Georgiou

Available	2705.1bbl	Losses	0.0bbl	Equip.	Descr.	Mesh Size	Hours
Active	55.0bbl	Downhole					
Mixing	1477.0bbl	Surf+ Equip	0.0bbl				
Hole	983.1bbl	Dumped					
Slug		De-Gasser					
Reserve Kill		De-Sander De-Silter					
PAD MUD	190.0bbl	Centrifuge					
		Pumped Sweep/Displace					

Comment

#### Formation Tops

Formation	Prognosed		Actual		Diff.	Thickness MD (m)	Pick Criteria
	MDBRT (m)	TVDSS (m)	MDBRT (m)	TVDSS (m)	+ / - TVD (m)		
Torquay Group	102.00	76.00	100.30	74.30	1.70	0.00	Sea bed

**06:00 Hrs Update**

Time:	06:00 Hrs on 09 Dec 2009
Depth:	966 mMDRT/966 mTVDR
Progress Since Midnight (m):	0
Status @ 0600hrs:	RIH with 12¼" BHA while picking up singles of DP from deck.
Formation:	Torquay Group
Lithology:	No returns to surface
ROP:	No returns to surface
Gas:	No returns to surface

**Wellsite Geologist(s)**

(Days) - Dennis Archer      (Nights) - Cleve Matthews