

Trefoil-2

Date : 06 Nov 2009

Geology Report Number : 24

(associated DDR # 37)

Well Details

Depth MDBRT:	2520.0m	Rig:	Kan Tan IV	Date:	06 Nov 2009
Depth TVDBRT:	2520.0m	Progress:	0.0m	Report Start:	0000
Depth TVDSS:	2494.0m	RTE agl:		Report End:	2400
Hole Size:	12.250in	GLE amsl:	0 (m)	Days On Location:	36.38
Hole Size Carbide:		Last Csg Size:	13.375in	Days since Spud:	31.67
Water Depth (MSL)	69.0m	Last Csg Shoe:	930.0m		
RT-ASL(MSL)	26.0m	F.I.T. / L.O.T.:	/ 15.15ppg		

Operations Summary

24hr Summary:	Completed troubleshooting and repairs on Top Drive System (TDS) and pipe handler. Ran wear bushing. Ran RTTS packer. Successfully pressure tested casing patch.
Forward Plan:	POOH with RTTS, RIH with slick 216 mm (8-1/2") drilling assembly, drill out shoe track and 3 m new hole, perform LOT, POOH to change BHA.

General Comments

00:00 TO 24:00 Hrs ON 06 Nov 2009

Operational Comments

Geoservices: 2 Data engineers, 2 mudloggers, 2 sample catchers on board. Gas equipment calibrated 5 Nov 09.
Sperry: 3 MWD engineers on board. Main and back up tool strings ready to go.

WBM Data

Mud Type: KCI POLYMER	Flowline Temp:	CI:	42500mg/l	Low Gravity Solids:	Viscosity	65sec/qt
Sample From: 2	MWD Circ Temp:	Hard/Ca:	380mg/l	High Gravity Solids:	PV	11cp
Time: 11:00 hrs	Glycol CP Temp:	MBT:	11	Solids (corrected):	YP	26lb/100ft ²
Weight: 9.40ppg	Glycol:	PM:	0.3	H2O:	Gels 10s	11
ECD TD:	Nitrates:	PF:	0.2	Oil:	Gels 10m	15
ECD Shoe:	Sulphites:	MF:	1.7	Sand:	Fann 003	10
ECD Cuttings:	API FL: 4.0cc/30min	pH:	9.5	Barite:	Fann 006	12
KCl Equiv: 9%	API Cake: 1/32nd"	PHPA Excess:			Fann 100	26
					Fann 200	32
					Fann 300	37
					Fann 600	48

Shakers, Volumes and Losses Data

Engineer : Mike Lawrance / James Munford / Fergus Spencer

Available	2776.1bbl	Losses	0.0bbl	Equip.	Descr.	Mesh Size	Hours
Active	734.5bbl	Downhole		Shaker 1	Brandt VSM 300	20 top/50 bottom	4
Mixing	0.0bbl	Surf+ Equip	0.0bbl	Shaker 2	Brandt VSM 300	20 top/50 bottom	4
Hole	1150.6bbl	Dumped		Shaker 3	Brandt VSM 300	20 top/50 bottom	4
Slug		De-Gasser		Shaker 4	Brandt VSM 300	20 top/50 bottom	4
Reserve	891.0bbl	De-Sander					
Kill		De-Silter					
		Centrifuge					

Comment

Formation Tops

Formation	Prognosed		Actual		Diff.	Thickness MD (m)	Pick Criteria
	MDBRT (m)	TVDSS (m)	MDBRT (m)	TVDSS (m)	+ / - TVD (m)		
Torquay Group	95.00	69.00	95.00	69.00	0.00	823.00	Sea floor
Lower Miocene Seismic Marker	904.00	878.00	918.00	892.00	-14.00	244.00	GR increase
Upper Angahook	1168.00	1142.00	1162.00	1136.00	6.00	169.00	GR decrease, res increase
Angahook Volcanics Equiv	1323.00	1297.00	1331.00	1305.00	-8.00	238.00	GR decrease, res increase
Lower Angahook	1564.00	1538.00	1569.00	1543.00	-5.00	281.00	GR decrease, res increase
Demons Bluff	1839.00	1813.00	1850.00	1824.00	-11.00	255.00	Res increase
Eastern View Coal Measures	2092.00	2066.00	2105.00	2079.00	-13.00	0.00	Res decrease

06:00 Hrs Update

Time:	06:00 Hrs on 07 Nov 2009
Depth:	2520 mMDRT/2520 mTVDRT
Progress Since Midnight (m):	0
Status @ 0600hrs:	Cont to RIH, Filling every 20 stands. Controlled tripping speed.
Formation:	Eastern View Coal Measures
Lithology:	No drilling
ROP:	No drilling
Gas:	No drilling

Wellsite Geologist(s)

(Days) - Dennis Archer (Nights) - Larissa Hansen