

### Trefoil-2

Date : 26 Oct 2009

Geology Report Number : 20

( associated DDR # 26 )

#### Well Details

Depth MDBRT:	2520.0m	Rig:	Kan Tan IV	Date:	26 Oct 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:	25.38
Hole Size Carbide:		Last Csg Size:	13.375in	Days since Spud:	20.67
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:	Laid out 311 mm (12-1/4") BHA. Laid out 244 mm (9-5/8") casing landing string. Continued with fishing operations.
Forward Plan:	Continue with fishing operations

#### General Comments

00:00 TO 24:00 Hrs ON 26 Oct 2009

<b>Operational Comments</b>	Geoservices: 2 Data engineers, 2 mudloggers on board. Gas equipment calibrated 23 Oct 09. Sperry: 3 MWD engineers on board. Main and 2 back up tool strings for 216 mm (8-1/2") hole section ready to go.
<b>Operational Comments</b>	WSG x2 demobilised.

#### WBM Data

Mud Type:	KCI POLYMER	Flowline Temp:	CI:	43000mg/l	Low Gravity Solids:	Viscosity	56sec/qt
Sample From:	4	MWD Circ Temp:	Hard/Ca:	360mg/l	High Gravity Solids:	PV	13cp
Time:	11:00 hrs	Glycol CP Temp:	MBT:	11	Solids (corrected):	YP	21lb/100ft <sup>2</sup>
Weight:	9.45ppg	Glycol:	PM:	0.4	H2O:	Gels 10s	10
ECD TD:		Nitrates:	PF:	0.25	Oil:	Gels 10m	15
ECD Shoe:		Sulphites:	MF:	1.3	Sand:	Fann 003	9
ECD Cuttings:		API FL:	pH:	9	Barite:	Fann 006	11
KCI Equiv:	9%	API Cake:	PHPA Excess:			Fann 100	23
						Fann 200	30
						Fann 300	34
						Fann 600	47

#### Shakers, Volumes and Losses Data

Engineer : Mike Lawrance / James Munford

Available	2874.0bbl	Losses	6.4bbl	Equip.	Descr.	Mesh Size	Hours
Active	663.0bbl	Downhole		Shaker 1	Brandt VSM 300	20 top/100bottom	2
Mixing	0.0bbl	Surf+ Equip	0.0bbl	Shaker 2	Brandt VSM 300	20 top/100bottom	2
Hole	1151.0bbl	Dumped		Shaker 3	Brandt VSM 300	20 top/100bottom	2
Slug	25.0bbl	De-Gasser		Shaker 4	Brandt VSM 300	20 top/100bottom	2
Reserve	975.0bbl	De-Sander					
Kill		De-Silter					
	60.0bbl	Centrifuge	0.0bbl				
		trip	6.4bbl				

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 27 Oct 2009
Depth:	2520 mMDRT/2520 mTVDRT
Progress Since Midnight (m):	0
Status @ 0600hrs:	Prepare to make up 11 1/4" overshot assembly.
Formation:	Eastern View Coal Measures
Lithology:	No drilling
ROP:	No drilling
Gas:	No drilling

**Wellsite Geologist(s)**

(Days) - Dennis Archer                      (Nights) - Brenton Richards