

### Trefoil-2

**Date : 09 Oct 2009** **Geology Report Number : 3** ( associated DDR # 9 )

#### Well Details

Depth MDBRT:	849.0m	Rig:	Kan Tan IV	Date:	09 Oct 2009
Depth TVDBRT:	849.0m	Progress:	609.0m	Report Start:	0000
Depth TVDSS:	823.0m	RTE agl:		Report End:	2400
Hole Size:	17.500in	GLE amsl:	0 (m)	Days On Location:	8.13
Hole Size Carbide:		Last Csg Size:	30.000in	Days since Spud:	3.67
Water Depth (MSL)	69.0m	Last Csg Shoe:	153.0m		
RT-ASL(MSL)	26.0m	F.I.T. / L.O.T.:	/		

#### Operations Summary

24hr Summary:	Drilled ahead in 445 mm (17-1/2") hole section to 849 mMDRT.
Forward Plan:	Completed drilling the 445 mm (17-1/2") hole section to TD at 935 mMDRT, circulate hole clean, POOH, rig up and run 340 mm (13-3/8") casing.

#### General Comments

00:00 TO 24:00 Hrs ON 09 Oct 2009

<b>Operational Comments</b>	Geoservices: 2 Data engineers, 2 mudloggers, 1 technician on board. Technician monitoring RT data transmissions. Sperry: 2 MWD engineers on board. 445 mm (17-1/2") tools: Back up checked OK.
<b>Operational Comments</b>	MWD tool distances from bit: GR (PCG) 5.62 m Directional (PCD) 7.76 m

#### WBM Data

Mud Type:	PHB Gel	Flowline Temp:	CI:	Low Gravity Solids:	Viscosity	120sec/qt
Sample From:		MWD Circ Temp:	Hard/Ca:	High Gravity Solids:	PV	45cp
Time:		Glycol CP Temp:	MBT:	Solids (corrected):	YP	21lb/100ft <sup>2</sup>
Weight:		Glycol:	PM:	H2O:	Gels 10s	
ECD TD:		Nitrates:	PF:	Oil:	Gels 10m	
ECD Shoe:		Sulphites:	MF:	Sand:	Fann 003	13
ECD Cuttings:		API FL:	pH:	Barite:	Fann 006	15
KCl Equiv:		API Cake:	PHPA Excess:		Fann 100	31
					Fann 200	44
					Fann 300	66
					Fann 600	111

#### Shakers, Volumes and Losses Data

Engineer : Jay Wan / Kosta Georgiou

Available	5499.2bbl	Losses	92.9bbl	Equip.	Descr.	Mesh Size	Hours
Active	1822.0bbl	Downhole					
Mixing		Surf+ Equip	0.0bbl				
Hole	1772.2bbl	Dumped	92.9bbl				
Slug		De-Gasser					
Reserve	1285.0bbl	De-Sander					
Kill	620.0bbl	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	775.00	Sea floor
Lower Miocene	904.00	878.00	870.00	844.00	34.00	0.00	GR increase
Seismic Marker							

Survey								
MDBRT (m)	Incl. (deg)	Corr. Az (deg)	TVDBRT (m)	'V' Sect (deg)	Dogleg (deg/30m)	N/S (m)	E/W (m)	Tool Type
0.00	0.0	0.0	0.00	0.0	0.0	0.0	0.0	MWD
95.00	0.0		95.00	0.0	0.0	0.0	0.0	MWD
204.92	0.6		204.92	0.6	0.5	0.6	0.0	MWD
289.50	0.6		289.49	1.5	0.0	1.5	0.0	MWD
376.49	0.3		376.48	2.1	0.3	2.1	0.0	MWD
435.08	0.4		435.07	2.5	0.2	2.5	0.0	MWD
521.95	0.7		521.94	3.3	0.3	3.3	0.0	MWD
547.83	0.7		547.81	3.7	0.0	3.7	0.0	MWD
579.00	0.7		578.98	4.0	0.0	4.0	0.0	MWD
665.44	0.4		665.42	4.9	0.3	4.9	0.0	MWD
782.28	0.7		782.25	6.0	0.3	6.0	0.0	MWD

#### 06:00 Hrs Update

Time:	06:00 Hrs on 10 Oct 2009
Depth:	929 mMDRT/929 mTVDBRT
Progress Since Midnight (m):	80
Status @ 0600hrs:	Drilling ahead 17.5" hole. Depth at 06:00 hrs 929m.
Formation:	Torquay Group
Lithology:	No returns to surface
ROP:	Ave ROP 20.5 m/hr
Gas:	No returns to surface

#### Wellsite Geologist(s)

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