

### Trefoil-2

Date : 12 Oct 2009

Geology Report Number : 6

( associated DDR # 12 )

#### Well Details

Depth MDBRT:	935.0m	Rig:	Kan Tan IV	Date:	12 Oct 2009
Depth TVDBRT:	935.0m	Progress:	0.0m	Report Start:	0000
Depth TVDSS:	909.0m	RTE agl:		Report End:	2400
Hole Size:	17.500in	GLE amsl:	0 (m)	Days On Location:	11.13
Hole Size Carbide:		Last Csg Size:	13.375in	Days since Spud:	6.67
Water Depth (MSL)	69.0m	Last Csg Shoe:	930.0m		
RT-ASL(MSL)	26.0m	F.I.T. / L.O.T.:	/		

#### Operations Summary

24hr Summary:	Completed running and cementing 340 mm (13-3/8") casing. Laid out casing running string. Commenced rigging up and running BOP and marine riser.
Forward Plan:	Complete running BOP and riser.

#### General Comments

00:00 TO 24:00 Hrs ON 12 Oct 2009

##### Operational Comments

 Geoservices: 2 Data engineers, 2 mudloggers, 2 sample catchers on board.  
 Sperry: 3 MWD engineers, 1 DD on board. Op checking 3 tool strings for 311 mm (12-1/4") hole section.

#### WBM Data

Mud Type:	PAD mud	Flowline Temp:	CI:	Low Gravity Solids:	Viscosity	58sec/qt
Sample From:	3	MWD Circ Temp:	Hard/Ca:	High Gravity Solids:	PV	11cp
Time:	1730	Glycol CP Temp:	MBT:	Solids (corrected):	YP	19lb/100ft <sup>2</sup>
Weight:	9.00ppg	Glycol:	PM:	H2O:	Gels 10s	7
ECD TD:		Nitrates:	PF:	Oil:	Gels 10m	9
ECD Shoe:		Sulphites:	MF:	Sand:	Fann 003	7
ECD Cuttings:		API FL:	pH:	Barite:	Fann 006	9
KCl Equiv:		API Cake:	PHPA Excess:		Fann 100	14
					Fann 200	24
					Fann 300	30
					Fann 600	41

#### Shakers, Volumes and Losses Data

Engineer : Jay Wan / Kosta Georgiou

Available	1741.3bbl	Losses	374.5bbl	Equip.	Descr.	Mesh Size	Hours
Active	220.0bbl	Downhole		Shaker 1	Brandt VSM 300	20 top/50bottom	
Mixing		Surf+ Equip	0.0bbl	Shaker 2	Brandt VSM 300	20 top/50bottom	
Hole	895.8bbl	Dumped	374.5bbl	Shaker 3	Brandt VSM 300	20 top/50bottom	
Slug		De-Gasser		Shaker 4	Brandt VSM 300	20 top/50bottom	
Reserve	515.5bbl	De-Sander					
Kill	110.0bbl	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	823.00	Sea floor
Lower Miocene Seismic Marker	904.00	878.00	918.00	892.00	-14.00	0.00	GR increase

**06:00 Hrs Update**

Time:	06:00 Hrs on 13 Oct 2009
Depth:	935 mMDRT/935 mTVDR
Progress Since Midnight (m):	0
Status @ 0600hrs:	Prepare to run 18 3/4" BOP on marine riser.
Formation:	Torquay Group
Lithology:	No drilling
ROP:	No drilling
Gas:	No drilling

**Wellsite Geologist(s)**

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