

Trefoil-2

Date : 14 Oct 2009

Geology Report Number : 8

(associated DDR # 14)

Well Details

Depth MDBRT:	935.0m	Rig:	Kan Tan IV	Date:	14 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:	13.13
Hole Size Carbide:		Last Csg Size:	13.375in	Days since Spud:	8.67
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:	Waited on weather. Completed running BOP and marine riser. Pressure tested casing and connector. Stroked out slip joint. Installed diverter. Rigged down BOP and riser running tools.
Forward Plan:	Lay out 445 mm (17-1/2") BHA, make up 311mm (12-1/4") BHA, RIH, drill out shoe track, perform LOT, drill ahead in 311mm (12-1/4") hole section.

General Comments

00:00 TO 24:00 Hrs ON 14 Oct 2009

Operational Comments	Geoservices: 2 Data engineers, 2 mudloggers, 2 sample catchers on board. Sperry: 3 MWD engineers, 1 DD on board. Back up tool strings for 311 mm (12-1/4") hole section ready to go.
Operational Comments	FEWD sensor distances from bit: Vibration 0.00 m Gamma (DGR) 12.34 m Resistivity (EWR-P4) 14.81 m Directional (PCD) 19.76 m

WBM Data

Mud Type: KCI POLYMER	Flowline Temp:	Cl:	38000mg/l	Low Gravity Solids:	Viscosity	49sec/qt
Sample From: 3	MWD Circ Temp:	Hard/Ca:	320mg/l	High Gravity Solids:	PV	10cp
Time: 2110	Glycol CP Temp:	MBT:	10	Solids (corrected):	YP	14lb/100ft ²
Weight: 9.00ppg	Glycol:	PM:	2.2	H2O: 95%	Gels 10s	8
ECD TD:	Nitrates:	PF:	1.5	Oil:	Gels 10m	10
ECD Shoe:	Sulphites:	MF:	2.6	Sand: %	Fann 003	8
ECD Cuttings:	API FL: 5.6cc/30min	pH:	8	Barite:	Fann 006	10
KCl Equiv:	API Cake: 1/32nd"	PHPA Excess:			Fann 100	17
					Fann 200	23
					Fann 300	27
					Fann 600	37

Shakers, Volumes and Losses Data

Engineer : MikeLawrance / 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 Correct Mud volumes will be entered tomorrow when we start drilling, all chemicals will be charged off as well.

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	904.00	878.00	918.00	892.00	-14.00	0.00	GR increase
Seismic Marker							

06:00 Hrs Update

Time:	06:00 Hrs on 15 Oct 2009
Depth:	935 mMDRT/935 mTVDR
Progress Since Midnight (m):	0
Status @ 0600hrs:	Picking up 12.25" BHA.
Formation:	Torquay Group
Lithology:	No drilling
ROP:	No drilling
Gas:	No drilling

Wellsite Geologist(s)

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