

Trefoil-2

Date : 22 Nov 2009

Geology Report Number : 40

(associated DDR # 53)

Well Details

Depth MDBRT:	3235.0m	Rig:	Kan Tan IV	Date:	22 Nov 2009
Depth TVDBRT:	3235.0m	Progress:	0.0m	Report Start:	0000
Depth TVDSS:	3209.0m	RTE agl:		Report End:	2400
Hole Size:	8.500in	GLE amsl:	0 (m)	Days On Location:	51.63
Hole Size Carbide:		Last Csg Size:	9.625in	Days since Spud:	46.92
Water Depth (MSL)	69.0m	Last Csg Shoe:	2520.0m		
RT-ASL(MSL)	26.0m	F.I.T. / L.O.T.:	11.00ppg /		

Operations Summary

24hr Summary: Continued with P&A operations.

Forward Plan:

General Comments

00:00 TO 24:00 Hrs ON 22 Nov 2009

Operational Comments

 Geoservices: 2 Data engineers on board. Monitoring well.
 Sperry: No crew on board.
 Schlumberger Wireline: No crew on board.

Operational Comments

2 WSG off rig

Operational Comments

This is the final DGR for Trefoil-2

WBM Data

Mud Type:	KCI POLYMER	Flowline Temp:		Cl:	37000mg/l	Low Gravity Solids:		Viscosity	56sec/qt
Sample From:	2	MWD Circ Temp:		Hard/Ca:	320mg/l	High Gravity Solids:		PV	11cp
Time:	19:00 hrs	Glycol CP Temp:		MBT:	10	Solids (corrected):		YP	31lb/100ft²
Weight:	9.50ppg	Glycol:		PM:	0.2	H2O:	93%	Gels 10s	7
ECD TD:		Nitrates:		PF:	0.1	Oil:		Gels 10m	11
ECD Shoe:		Sulphites:		MF:	2	Sand:	.3 %	Fann 003	8
ECD Cuttings:		API FL:	5.0cc/30min	pH:	9	Barite:		Fann 006	9
KCI Equiv:	7%	API Cake:	1/32nd"	PHPA Excess:				Fann 100	26
								Fann 200	35
								Fann 300	42
								Fann 600	53

Shakers, Volumes and Losses Data

Engineer : Jay Wan / James Munford

Available	1558.6bbl	Losses	12.3bbl	Equip.	Descr.	Mesh Size	Hours
Active	792.9bbl	Downhole		Shaker 1	Brandt VSM 300	20 top/50 bottom	1
Mixing	0.0bbl	Surf+ Equip	12.3bbl	Shaker 2	Brandt VSM 300	20 top/50 bottom	6
Hole	670.7bbl	Dumped		Shaker 3	Brandt VSM 300	20 top/50 bottom	6
Slug		De-Gasser		Shaker 4	Brandt VSM 300	20 top/50 bottom	
Reserve	95.0bbl	De-Sander					
Kill		De-Silter					
		Centrifuge evaporation					

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	596.50	Res decrease
Eocene Unconformity	2691.00	2665.00	2701.50	2675.10	-10.10	157.30	GR decrease
2973 Seismic Marker	2841.00	2815.00	2858.80	2832.40	-17.40	79.00	GR decrease, res decrease
Base Low A1 Zone	2922.00	2896.00	2937.80	2911.40	-15.40	38.70	GR increase, res increase
TL40 Sand	2971.00	2945.00	2976.50	2950.10	-5.10	8.50	GR decrease
TL50 Sand	2981.00	2955.00	2985.00	2958.40	-3.40	9.50	GR decrease
TL60 Sand	2992.00	2966.00	2994.50	2967.90	-1.90	73.50	GR decrease
Cretaceous	3056.00	3030.00	3068.00	3041.70	-11.70	62.50	GR decrease
TF50 Sand	3123.00	3097.00	3130.50	3103.70	-6.70	19.30	GR decrease
TF80 Sand	3142.00	3116.00	3149.80	3123.00	-7.00	30.20	GR decrease
Total Depth (TD)	3221.00	3195.00	3235.00	3208.00	-13.00	0.00	

06:00 Hrs Update

Time:	06:00 Hrs on 23 Nov 2009
Depth:	3235 mMDRT/3234 mTVDRT
Progress Since Midnight (m):	0
Status @ 0600hrs:	
Formation:	Eastern View Coal Measures
Lithology:	No drilling
ROP:	No drilling
Gas:	No drilling

Wellsite Geologist(s)

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