

Trefoil-2

Date : 03 Nov 2009

Geology Report Number : 21

(associated DDR # 34)

Well Details

| | | | | | |
|--------------------|----------|------------------|------------|-------------------|-------------|
| Depth MDBRT: | 2520.0m | Rig: | Kan Tan IV | Date: | 03 Nov 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: | 33.38 |
| Hole Size Carbide: | | Last Csg Size: | 13.375in | Days since Spud: | 28.67 |
| 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: | Continued fishing program. Prepared to run casing patch. |
| Forward Plan: | Complete running and setting casing patch, pressure test BOPs, test casing. |

General Comments

00:00 TO 24:00 Hrs ON 03 Nov 2009

| | |
|-----------------------------|--|
| Operational Comments | WSG x1 remobilised |
| Operational Comments | Geoservices: 2 Data engineers, 2 mudloggers on board. Gas equipment calibrated 23 Oct 09, new calibration to be done prior to drill out with 216 mm (8-1/2") string. Sperry: 3 MWD engineers on board. Main and 1st back up tool string for 216 mm (8-1/2") hole section ready to go. CTN for 2nd back up string failed testing, undergoing trouble shooting. |

WBM Data

| | | | | | | |
|-----------------------|---------------------|--------------|-----------|----------------------|-----------|-------------------------|
| Mud Type: KCI POLYMER | Flowline Temp: | CI: | 42500mg/l | Low Gravity Solids: | Viscosity | 60sec/qt |
| Sample From: 2 | MWD Circ Temp: | Hard/Ca: | 400mg/l | High Gravity Solids: | PV | 11cp |
| Time: 11:00 hrs | Glycol CP Temp: | MBT: | 10 | Solids (corrected): | YP | 23lb/100ft ² |
| Weight: 9.40ppg | Glycol: | PM: | 0.25 | H2O: | Gels 10s | 11 |
| ECD TD: | Nitrates: | PF: | 0.2 | Oil: | Gels 10m | 15 |
| ECD Shoe: | Sulphites: | MF: | 1 | Sand: | Fann 003 | 10 |
| ECD Cuttings: | API FL: 4.5cc/30min | pH: | 9 | Barite: | Fann 006 | 11 |
| KCI Equiv: 9% | API Cake: 1/32nd" | PHPA Excess: | | | Fann 100 | 23 |
| | | | | | Fann 200 | 29 |
| | | | | | Fann 300 | 34 |
| | | | | | Fann 600 | 45 |

Shakers, Volumes and Losses Data

Engineer : Mike Lawrance / James Munford

| Available | 2775.6bbl | Losses | 5.2bbl | Equip. | Descr. | Mesh Size | Hours |
|-----------|-----------|-------------|--------|----------|----------------|------------------|-------|
| Active | 734.0bbl | Downhole | | Shaker 1 | Brandt VSM 300 | 20 top/50 bottom | |
| Mixing | 0.0bbl | Surf+ Equip | 0.0bbl | Shaker 2 | Brandt VSM 300 | 20 top/50 bottom | 3 |
| Hole | 1150.6bbl | Dumped | | Shaker 3 | Brandt VSM 300 | 20 top/50 bottom | 3 |
| Slug | | De-Gasser | | Shaker 4 | Brandt VSM 300 | 20 top/50 bottom | |
| Reserve | 891.0bbl | De-Sander | | | | | |
| Kill | | De-Silter | | | | | |
| | | Centrifuge | 5.2bbl | | | | |

Comment

Formation Tops

| Formation | Prognosed | | Actual | | Diff. | Thickness MD (m) | Pick Criteria |
|------------------------------|-----------|-----------|-----------|-----------|---------------|------------------|---------------------------|
| | MDVRT (m) | TVDSS (m) | MDVRT (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 04 Nov 2009 |
| Depth: | 2520 mMDRT/2520 mTVDRT |
| Progress Since Midnight (m): | 0 |
| Status @ 0600hrs: | Making up casing spear & BHA to energize the casing patch. |
| Formation: | Eastern View Coal Measures |
| Lithology: | No drilling |
| ROP: | No drilling |
| Gas: | No drilling |

Wellsite Geologist(s)

(Days) - Dennis Archer (Nights) -