

## DAILY GEOLOGICAL REPORT

<b>Date:</b>	25 February 2008	<b>Rig:</b>	West Triton
<b>Report Number:</b>	16	<b>Bit Diameter:</b>	311 mm (12 1/4")
<b>Report Period:</b>	06:00 - 06:00 Hours	<b>Last Casing:</b>	340 mm (13 3/8") Surface Casing @ 857.0 m MDRT
<b>Spud Date:</b>	14-Feb-2008 23:00 Hours	<b>FIT:</b>	1.91 sg EMW @ 857.0 m MDRT
<b>Days From Spud:</b>	10.3	<b>Mud Weight:</b>	1.15 sg
<b>Depth @ 0600 Hrs:</b>	1706.0 mMDRT	<b>ECD:</b>	1.30 sg
	-1637.7 mTVDAHD	<b>Mud Type:</b>	KCL Polymer
<b>Lag Depth:</b>	1705.0 mMDRT	<b>Mud Chlorides:</b>	50000.00 mg/L
<b>Last Depth:</b>	1455.0 mMDRT		
<b>Progress:</b>	251.0 m		N/A
<b>Water Depth:</b>	27.0 m	<b>Last Survey:</b>	1710.00 mMDRT
<b>RT:</b>	39.0 m	<b>Deviation:</b>	Inc. 30.00° Az. 331.00°

## OPERATIONS SUMMARY

**24 HOUR SUMMARY:** Continued to drill 311mm (12 1/4") hole from 1455.0 mMDRT in both slide and rotary modes.

**NEXT 24 HOURS:** Continue to drill 311mm (12 1/4") hole.

**CURRENT OPERATION @ 06:00 HRS (25-Feb-2008):** Drilling 311mm (12 1/4") hole.

## GEOLOGICAL SUMMARY

### LITHOLOGY

**INTERVAL:** 1455.0 to 1500.0 mMDRT (-1412.3 to -1454.9 mTVDAHD)  
**ROP (Range):** 3.0 to 159.0 m/h  
**Av. ROP:** 41.0 m/h

**SANDSTONE** with interbedded **COAL**, minor **CLAYSTONE**

**SANDSTONE** (10 to 100%): dominantly white, minor transparent, loose, coarse to very coarse, dominantly very coarse, very well sorted, sub angular to rounded, dominantly rounded, spherical, good to very good inferred porosity, no shows. Localised, 20% white to off white, fine to medium, dominantly fine, angular, well sorted, weakly calcareous cemented aggregates, trace very light grey argillaceous matrix, commonly fractured aggregates creating loose quartz angular grains, poor to moderate inferred porosity

**COAL** (10 to 90%): Black, blocky, sub conchoidal to conchoidal fracture, sub bituminous

**CLAYSTONE** (Nil to 5%): light blue to medium blue grey, firm to moderately hard, blocky, moderately calcareous.

**INTERVAL:** 1500.0 to 1705.0 mMDRT (-1454.9 to -1636.8 mTVDAHD)  
**ROP (Range):** 4.0 to 173.0 m/h  
**Av. ROP:** 61.0 m/h

Dominantly **SANDSTONE** interbedded with **CLAYSTONE**, minor **SILTSTONE** and trace **COAL**.

**SANDSTONE** (45 to 100%): dominantly white, minor transparent, loose, coarse to very coarse, dominantly very coarse, very well sorted, sub angular to rounded, dominantly rounded, spherical, good to very good inferred porosity, no shows.

**CLAYSTONE** (Nil to 100%): medium brown, medium orange brown, very dark brown grey, trace arenaceous in part, trace calcareous material, common carbonaceous material where very dark brown grey, firm to hard, dispersive to sub-blocky, sub-fissile in part.

**COAL** (Nil to 10%): black, very dark grey, vitreous, sub vitreous in part, minor silty laminations and locally grading to carbonaceous siltstone, firm to hard, brittle in part, conchoidal to sub-conchoidal fracture, sub-blocky in part.

**SILTSTONE** (Nil to 20%): dark brownish grey, dark grey, hard to very hard, sub fissile, argillaceous,

abundant carbonaceous material, commonly grading to COAL.

**GAS SUMMARY**

No significant gas peaks

Background gas between 20-100ppm C1

**SAMPLE QUALITY**

Samples have been of excellent quality at 5m intervals

**MUDLOGGING EQUIPMENT / PERSONNEL**

Trace gas to maximum 100ppm being registered by equipment. Carbide checks in flowline and gas trap indicate system functioning properly.

**MWD**

Real time data recovery has improved with depth

**REMARKS**

Bit tending to walk right of line so corrective slides to adjust.

**WELLSITE GEOLOGISTS**

Adam Cruickshank / Hamish Little