

## DAILY GEOLOGICAL REPORT

<b>Date:</b>	23 February 2008	<b>Rig:</b>	West Triton
<b>Report Number:</b>	14	<b>Bit Diameter:</b>	311 mm
<b>Report Period:</b>	06:00 - 06:00 Hours	<b>Last Casing:</b>	340 mm @ 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>	8.3	<b>Mud Weight:</b>	1.15 sg
<b>Depth @ 0600 Hrs:</b>	940.0 mMDRT	<b>ECD:</b>	1.25 sg
	-901.0 mTVDAHD	<b>Mud Type:</b>	Gel Polymer
<b>Lag Depth:</b>	928.0 mMDRT	<b>Mud Chlorides:</b>	60000.00 mg/L
<b>Last Depth:</b>	862.0 m MDRT		
<b>Progress:</b>	78.0 m		
<b>Water Depth:</b>	27.0 m	<b>Last Survey:</b>	886.00 mMDRT
<b>RT:</b>	39.0 m	<b>Deviation:</b>	Inc. 0.20° Az. 232.91°

### OPERATIONS SUMMARY

**24 HOUR SUMMARY:** Made up 311mm (12 1/4") BHA and LWD tools, ran in hole, drilled out shoe, displaced mud, conducted FIT and drilled ahead.

**NEXT 24 HOURS:** Drill ahead 311mm (12 1/4") hole.

**CURRENT OPERATION @ 06:00 HRS (23-Feb-2008):** Drilling ahead 311mm (12 1/4") hole.

### GEOLOGICAL SUMMARY

#### LITHOLOGY

**INTERVAL:** 862.0 to 928.0 m MDRT (-865.0 to -920.0 m TVDAHD)  
**ROP (Range):** 11.0 to 80.0 m/h  
**Av. ROP:** 42.0 m/h

**Interbedded CALCARENITE and CALCILUTITE.**

**CALCARENITE (70 to 80%):** Off white, light to medium grey, light brownish grey in part, arenaceous, common pale grey argillaceous matrix, abundant fossils, common very coarse frosted and iron stained quartz grains, trace nodular pyrite, rare glauconite specks, moderately hard aggregates, tight visible porosity, trace mineral fluorescence.

**CALCILUTITE (20 to 30%):** Light to medium grey, off white to pale grey, trace grey, argillaceous, trace microcrystalline, minor micro fossils, soft to dispersive, moderately hard in part, sub-blocky.

#### GAS SUMMARY

Background Gas							
INTERVAL (mMDRT)	Total Gas (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	iC4 (ppm)	nC4 (ppm)	C5 (ppm)
862.0 – 968.0	0.0	0	0	0	0	0	0

#### SAMPLE QUALITY

Samples have been caught mostly at a ten metre interval due to the rapid ROP.

#### MUDLOGGING EQUIPMENT / PERSONNEL

No gas is being registered by equipment. Carbide checks indicate system functioning properly.

**MWD**

Incomplete real time gamma ray and resistivity data, thought due to pump harmonics. Particularly evident when pump 2 used, though not great with 1 and 3 also, ring resistivity is sending no signal at this time.

**REMARKS**

The BOP was nipped up and pressure tested. The 311 mm drilling assembly was then made up consisting of a Smith Mi616VBPX PDC bit and LWD tools for the acquisition of gamma ray, resistivity, neutron density, neutron porosity, sonic and directional data. The LWD tools were shallow tested whilst running in hole.

The drilling assembly tagged cement at 854.0 mMDRT. The casing shoe was drilled out and the well displaced to 1.15sg KCl/Polymer mud with clay seal additive. 2.0 m of new formation was drilled to 864.0 mMDRT while the well was displaced to mud. Circulation continued to weight up mud and a Formation Integrity Test (FIT) was performed to 1.91 sg (EMW). 311 mm hole was then drilled to the 06:00 depth of 940.0 mMDRT.

**WELLSITE GEOLOGISTS**

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