

## DAILY GEOLOGICAL REPORT

<b>Date:</b>	18 April 2008	<b>Rig:</b>	West Triton
<b>Report Number:</b>	12	<b>Bit Diameter:</b>	216 mm
<b>Report Period:</b>	06:00 - 06:00 Hours	<b>Last Casing:</b>	340 mm @ 896.3 m MDRT
<b>Spud Date:</b>	07-Apr-2008 19:30 Hours	<b>FIT:</b>	1.61 sg EMW @ 906.0 m MDRT
<b>Days From Spud:</b>	10.4	<b>Mud Weight:</b>	1.18 sg
<b>Depth @ 0600 Hrs:</b>	3035.0 mMDRT	<b>ECD:</b>	1.30 sg
	-2997.8 mTVDAHD	<b>Mud Type:</b>	KCl Polymer
<b>Lag Depth:</b>	3000.0 mMDRT	<b>Mud Chlorides:</b>	66000.00 mg/L
<b>Last Depth:</b>	2940.0 mMDRT	<b>Dxc</b>	1.04
<b>Progress:</b>	95.0 m	<b>Last Survey:</b>	2987.73 mMDRT
<b>Water Depth:</b>	54.1 m	<b>Inclination:</b>	Inc. 0.96°
<b>RT:</b>	37.0 m	<b>Deviation:</b>	Az. 286.19°

### OPERATIONS SUMMARY

**24 HOUR SUMMARY:** Pulled to surface and changed bit. Read LWD tools. Ran in hole and drilled ahead to 3035.0 mMDRT.

**NEXT 24 HOURS:** Drill to well TD. Pull out of hole and run wireline.

**CURRENT OPERATION**

**06:00 HRS (18-Apr-2008):** Drilling 216 mm hole section.

### GEOLOGICAL SUMMARY

**LITHOLOGY**

**INTERVAL:** 2940.0 to 2953.0 mMDRT (-2902.9 to -2918.8 mTVDAHD)  
**ROP (Range):** 1.0 to 85.0 m/h  
**Av. ROP:** 34.0 m/h

**SANDSTONE with minor VOLCANICS, SILTSTONE and CLAYSTONE.**

**SANDSTONE (60 to 72%):** transparent, translucent, fine to medium, well rounded to sub angular, well sorted, coarse to very coarse angular - friable to very hard aggregates, trace white argillaceous matrix in part, strong siliceous cement in part, local trace lithics, local trace chert, abundant re-crystallized fractured grains, no to poor visible porosity, no show.

**SILTSTONE (8 to 20%):** dusky yellowish brown, light olive grey to olive grey, brownish grey, carbonaceous material, hard, sub blocky, sub fissile.

**VOLCANIC (10 to 15%):** pale green, trace light blue green, trace dark greenish grey minerals, abundant yellowish grey and rare white clay alteration, siliceous, pyritic, microcrystalline, firm to hard, friable, sub-blocky.

**CLAYSTONE (5 to 10%):** medium grey, light olive grey, dark grey in part, firm to hard, silicified in part and very hard, sub blocky to fissile.

**INTERVAL:** 2953.0 to 2962.0 mMDRT (-2915.9 to -2924.8 mTVDAHD)  
**ROP (Range):** 13.0 to 85.0 m/h  
**Av. ROP:** 45.0 m/h

**VOLCANICS**

**VOLCANICS (100%):** Pale green to moderate blue green, trace light blue green, trace light bluish grey groundmass, abundant yellowish grey, common chloritic and kaolinitic? alteration, deep green minerals, siliceous, pyritic, microcrystalline, firm to hard, friable, sub-blocky.

**INTERVAL:** 2962.0 to 3000.0 mMDRT (-2924.8 to -2962.8 mTVDAHD)  
**ROP (Range):** 13.0 to 46.0 m/h  
**Av. ROP:** 32.0 m/h

**SANDSTONE with minor CLAYSTONES and VOLCANICS.**

SANDSTONE (20 to 80%): transparent, translucent, milky in part, quartz, fine to medium, rare very fine, rare coarse, rounded to sub angular, well sorted, coarse to very coarse angular very hard cuttings, trace white siliceous matrix, strong silica cement in part, trace white - pale green argillaceous material, trace weak calcareous, rare to common pyrite, trace lithics, abundant re-crystallized fractured grains, no to poor, trace good visible porosity, trace fluorescence, dull yellow natural fluorescence, no cut.

VOLCANICS (Nil to 45%): CAVINGS: pale green to moderate blue green, trace light blue green, trace light bluish grey groundmass, abundant yellowish grey alteration, common chloritic and kaolinitic? alteration, deep green minerals, siliceous, pyritic, microcrystalline, firm to hard, friable, sub-blocky.

CLAYSTONE (15 to 20%): brownish grey, olive grey (CAVINGS?), medium to dark grey, silicified, trace carbonaceous material, firm to hard, very hard and brittle in part, sub blocky, sub fissile.

**GAS SUMMARY**

Background Gas							
INTERVAL (m MDRT)	Total Gas (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	iC4 (ppm)	nC4 (ppm)	C5 (ppm)
2940.0 - 2953.0	0.07	655	17	11	2	4	2
2953.0 - 2962.0	0.22	2687	53	24	3	4	2
2962.0 - 3000.0	0.18	1564	25	12	2	3	2

Gas Peak							
INTERVAL (m MDRT)	Total Gas (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	iC4 (ppm)	nC4 (ppm)	C5 (ppm)
2956.0	0.33	2366	53	29	4	6	4
2981.5	0.34	3014	56	21	3	4	2
2993.5	0.37	1463	42	19	2	3	1

**SAMPLE QUALITY**

Good quality  
 5 meters samples

**MUDLOGGING EQUIPMENT / PERSONNEL**

All working properly

**MWD**

Schlumberger LWD Run 2

Sensor Distances

GR = 10.22 m	RES SHALLOW BUTTON = 11.05 m
RES BIT = 4.55 m	RES MEDIUM BUTTON = 10.93 m
RES RING = 10.58 m	RES DEEP BUTTON = 10.75 m

**WIRELINE**

All primary tools tested. Crew standing by.

**REMARKS**

Pulled to surface and changed bit. Read LWD tools. Ran in hole working tight spots. Tagged bottom and drilled ahead to 3035 .0 mMDRT.

**WELLSITE GEOLOGISTS**

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