

DAILY GEOLOGICAL REPORT

Date:	27 February 2008	Rig:	West Triton
Report Number:	18	Bit Diameter:	311 mm
Report Period:	06:00 - 06:00 Hours	Last Casing:	13 3/8" Surface Casing @ 857.0 m MDRT
Spud Date:	14-Feb-2008 23:00 Hours	LOT:	1.91 sg EMW @ 857.0 mMDRT
Days From Spud:	12.3	Mud Weight:	1.15 sg
Depth @ 0600 Hrs:	1887.0 mMDRT	ECD:	1.19 sg
	-1788.9 mTVDAHD	Mud Type:	KCL Polymer
Lag Depth:	1878.0 mMDRT	Mud Chlorides:	49000.00 mg/L
Last Depth:	1797.0 mMDRT		
Progress:	90.0 m		Normal
Water Depth:	27.0 m	Last Survey:	1875.71 mMDRT
RT:	39.0 m	Deviation:	Inc. 33.73° Az. 325.79°

OPERATIONS SUMMARY

24 HOUR SUMMARY: Continued to POOH. Reconfigured BHA for 311mm hole and ran in. Drilled ahead directional hole from 1797.0 mMDRT.

NEXT 24 HOURS: Continue to drill 311mm directional hole.

CURRENT OPERATION @ 06:00 HRS (27-Feb-2008): Drilling 311mm directional hole @ 1887.0 mMDRT

GEOLOGICAL SUMMARY

LITHOLOGY

INTERVAL: 1797.0 to 1885.0 mMDRT (-1714.3 to -1787.2 mTVDAHD)
ROP (Range): 1.0 to 77.0 m/h
Av. ROP: 32.0 m/h

Interbedded SANDSTONE, SILTSTONE and CLAYSTONE with minor COAL

SILTSTONE (5 to 10%): medium brown, medium grey, arenaceous and common grading to very fine sandstone, commonly micromicaceous, common lithics and carbonaceous laminations, hard to very hard, sub-blocky.

Massive Sandstone with interbedded Claystone and thin Coal stringers.

SANDSTONE (50 to 90%): translucent, clear, frosted, fine to very coarse, poorly sorted, angular to sub-angular, common weak calcareous cement, locally pale grey brown argillaceous matrix, occasional coal laminations, minor nodular pyrite, generally loose clean grains, good inferred porosity.

CALCAREOUS CLAYSTONE (Nil to 50%): (localised) light bluish grey, green grey, siliceous, occasional micro fossils, commonly micromicaceous, locally carbonaceous material, common to abundant calcareous cement, trace nodular pyrite, hard to very hard, sub-blocky to sub-fissile.

CALCAREOUS SANDSTONE (Nil to 60%): (localised) Off white to pale brown, translucent to clear, very fine to very coarse, poorly sorted, angular to sub-angular, sub-rounded where fine grained, common moderately strong calcareous cement, locally common pale brown grey argillaceous matrix where fine grained, common rock flour, generally loose grains, very hard fine grained aggregates, poor visible porosity, fair inferred porosity where coarse.

COAL (Nil to 5%): black, vitreous, very hard, conchoidal fracture.

GAS SUMMARY

No gas data recorded from 1797.0 m to 1887.0 mMDRT due to broken gas line for detection equipment

MWD

Schlumberger LWD Tools Run 1 memory 64% full
Sperry Bat Sonic LWD Tool Run 1 memory 85% full

WIRELINE

Crew on board and preparing all available tools for running

REMARKS

Pulled out of hole with BHA laying out AND (SLB Density/Neutron tool). Downloaded all recorded data and re-initialised LWD tools (GVR8 and BatSonic) for next run in 311mm hole section. Made up BHA and ran in hole to 857.0 mMDRT, broke circulation and tested MWD. Continued to run in hole to 1767.0 mMDRT, then washed to bottom at 1797.0 mMDRT. Continued to drill 311mm directional hole.

WELLSITE GEOLOGISTS

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