

DAILY GEOLOGICAL REPORT

Date:	01 March 2008	Rig:	West Triton
Report Number:	21	Bit Diameter:	311 mm
Report Period:	06:00 - 06:00 Hours	Last Casing:	340mm 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:	15.3	Mud Weight:	1.18 sg
Depth @ 0600 Hrs:	2313.0 mMDRT	ECD:	1.23 sg
	-2086.0 mTVDAHD	Mud Type:	KCL Polymer
Lag Depth:	2313.0 mMDRT	Mud Chlorides:	48000.00 mg/L
Last Depth:	2175.0 mMDRT		
Progress:	138.0 m		Normal
Water Depth:	27.0 m	Last Survey:	2272.78 mMDRT
RT:	39.0 m	Deviation:	Inc. 47.76° Az. 323.36°

OPERATIONS SUMMARY

24 HOUR SUMMARY: Drilled 311mm hole from 2175.0 mMDRT to 2313.0 mMDRT.

NEXT 24 HOURS: Complete circulating hole clean, POOH from 2313.0 mMDRT, reaming interval from 1980.0 mMDRT for GVR Image data on way out of hole. Rig up to run wireline or LWD wiper trip.

CURRENT OPERATION @ 06:00 HRS (01-Mar-2008): Circulating hole clean in preparation for POOH

GEOLOGICAL SUMMARY

LITHOLOGY

INTERVAL: 2174.0 to 2207.0 mMDRT (-1992.8 to -2014.9 mTVDAHD)
ROP (Range): 4.0 to 29.0 m/h
Av. ROP: 13.0 m/h

Dominantly SILTSTONE with interbedded SANDSTONE and CLAYSTONE

SILTSTONE (50 to 70%): light to medium grey, medium brown grey, soft to firm, dominantly soft, amorphous to blocky, dominantly blocky, arenaceous and commonly grading to very fine sandstone, slightly calcareous, common carbonaceous laminations and specks, commonly micromicaceous, rare glauconite
CLAYSTONE (10 to 30%): pale greenish grey, light blue grey, siliceous, hard to very hard, sub-fissile to sub-blocky, slightly to moderately calcareous, becoming partly medium grey, soft and amorphous with depth through interval.

SANDSTONE (10 to 30%): clear to translucent, frosted, very fine to very coarse, dominantly very fine to medium, poorly sorted, angular to sub-rounded, trace weak calcareous cement, common pale grey argillaceous matrix, minor nodular pyrite, generally loose grains, fair inferred porosity.

INTERVAL: 2207.0 to 2230.0 mMDRT (-2014.9 to -2030.3 mTVDAHD)
ROP (Range): 5.0 to 29.0 m/h
Av. ROP: 10.0 m/h

Interbedded SANDSTONE and SILTSTONE

SANDSTONE (40 to 60%): clear to translucent, frosted, very fine to very coarse, dominantly fine to medium, poorly to moderately sorted, angular to sub-rounded, trace weak calcareous cement, common pale grey argillaceous matrix, trace nodular pyrite, generally loose grains, fair to good inferred porosity.

SILTSTONE (40 to 50%): light to medium grey, medium brown grey, firm to moderately hard, dominantly moderately hard, sub-blocky to blocky, dominantly blocky, arenaceous and commonly grading to very fine sandstone, slightly calcareous, common carbonaceous laminations and specks, minor micromicaceous, becoming very dark grey, brownish black, soft to firm, sub-blocky, slightly calcareous, very fine arenaceous, carbonaceous, minor nodular pyrite

INTERVAL: 2230.0 to 2250.0 mMDRT (-2030.3 to -2043.7 mTVD AHD)
ROP (Range): 7.0 to 22.0 m/h
Av. ROP: 12.0 m/h

Dominantly SANDSTONE with minor SILTSTONE, WEATHERED VOLCANICS and CLAYSTONE

SANDSTONE (50 to 80%): clear to translucent, frosted, loose, dominantly very fine to fine, common medium, rare coarse to very coarse, poorly to moderately sorted, well sorted in part, angular to sub-angular, minor sub-rounded, trace nodular pyrite, trace mica, fair inferred porosity.

VOLCANIC (5 to 10%): off white to pale grey, very pale green grey, argillaceous, weathered, minor dark minerals, trace siliceous, moderately hard to hard, very hard where siliceous, sub-blocky.

CLAYSTONE (Nil to 5%): pale greenish grey, light blue grey, hard to very hard, sub-blocky to blocky, moderately calcareous.

SILTSTONE (10 to 20%): medium brown, light to medium brown grey, medium grey in part, arenaceous and locally grading to very fine sandstone, common carbonaceous laminations and specks, hard, sub-blocky, locally sub-fissile.

INTERVAL: 2250.0 to 2313.0 mMDRT (-2043.7 to -2086.0 mTVD AHD)
ROP (Range): 3.0 to 24.0 m/h
Av. ROP: 10.0 m/h

Thick VOLCANICS with thin beds CLAYSTONE and increasing SANDSTONE with depth

VOLCANIC (5 to 50%): Tuffite, pale grey green, off white to pale green, light to medium blue green, minor dark green, siliceous groundmass, common feldspars, occasional dark green minerals (olivine?) argillaceous where weathered, localised reworked carbonaceous fragments, angular, sub-blocky where weathered.

CLAYSTONE 10%: medium brown, reddish brown, minor carbonaceous material, firm, sub-blocky, dispersive.

CLAYSTONE 10%: pale grey, light to medium grey, siliceous, minor silty and locally grading to argillaceous siltstone, trace carbonaceous material, occasionally micromicaceous, moderately hard to hard, sub-blocky to sub-fissile.

CLAYSTONE 70%: off white, pale brown grey, very pale green grey, very pale blue grey, trace disseminated pyrite, trace chert fragments, firm to hard in part, sub-blocky, dispersive. (Probable weathered tuff).

SANDSTONE (10 to 80%): clear to translucent, pale very fine to very coarse, dominantly medium, moderately sorted, sub-angular to sub-rounded, angular where coarse, minor weak calcareous cement, trace pale grey argillaceous matrix, occasional calcareous fragments, trace nodular pyrite, occasional carbonaceous material, loose, fair to good inferred porosity.

GAS SUMMARY

No significant gas peaks

Background Gas							
INTERVAL (m MDRT)	Total Gas (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	iC4 (ppm)	nC4 (ppm)	C5 (ppm)
2174.0 - 2207.0	0.003	18	0	0	0	0	0
2207.0 - 2230.0	0.012	46	0	0	0	0	0
2230.0 - 2250.0	0.013	56	0	0	0	0	0
2250.0 - 2313.0	0.006	26	0	0	0	0	0

MWD

Medium button resistivity data indicates a faulty sensor.

WIRELINE

Wireline crew ready to run all available tools.

REMARKS

Rotary drilled ahead 311mm hole from 2175.0 mMDRT pumping regular high viscosity sweeps to clean excess cutting in hole. Slide drill from 2247.0 mMDRT to 2253.0 mMDRT to reduce inclination. Continued rotary drilling to 2313.0 mMDRT and circulated hole clean.

WELLSITE GEOLOGISTS

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