

DAILY GEOLOGICAL REPORT

Date:	21 March 2008	Rig:	West Triton
Report Number:	13	Bit Diameter:	216 mm (8 1/2")
Report Period:	06:00 - 06:00 Hours	Last Casing:	244 mm casing @ 902.1 mMDRT
Spud Date:	10-Mar-2008 13:00 Hours	FIT:	1.78 sg EMW @ 902.0 mMDRT
Days From Spud:	10.7	Mud Weight:	1.16 sg
Depth @ 0600 Hrs:	2700.0 mMDRT	ECD:	
	-2661.8 mTVDAHD	Mud Type:	KCL Polymer
Lag Depth:	2700.0 mMDRT	Mud Chlorides:	44000.00 mg/L
Last Depth:	2414.0 mMDRT		
Progress:	286.0 m	Last Survey:	2594.00 mMDRT
Water Depth:	90.0 m	Deviation:	Inc. 0.56°
RT:	38.0 m		Az. 53.27°

OPERATIONS SUMMARY

24 HOUR SUMMARY: Drilled 216 mm section from 2410.0 to 2700.0 mMDRT. Pulled out of hole for bit change due to low ROP.

NEXT 24 HOURS: Run in hole with 216 mm Bit 6 (PDC), drill 216 mm section to target depth +/- 3068.0 mMDRT.

CURRENT OPERATION @ 06:00 HRS (21-Mar-2008): Laying out 216 mm Bit 5.

GEOLOGICAL SUMMARY

LITHOLOGY

INTERVAL: 2410.0 to 2420.0 mMDRT (-2371.8 to -2381.8 mTVDAHD)
ROP (Range): 9.0 to 37.0 m/h
Av. ROP: 17.0 m/h

Interbedded CALCAREOUS SILTSTONE and CALCAREOUS CLAYSTONE

CALCAREOUS SILTSTONE (90%): light grey to off white, light olive grey to medium grey, locally medium dark grey, in part grading to argillaceous SILTSTONE, trace carbonaceous specks and micro laminations, trace micromicaceous, soft to firm, sub-blocky.

CALCAREOUS CLAYSTONE (10%): medium to medium dark grey, medium olive grey, in part arenaceous, trace carbonaceous specks and micro laminations, trace micromicaceous, trace disseminated pyrite, soft to firm, moderately hard in part, sub-blocky.

INTERVAL: 2420.0 to 2450.0 mMDRT (-2381.8 to -2411.8 mTVDAHD)
ROP (Range): 9.0 to 62.0 m/h
Av. ROP: 25.0 m/h

CALCAREOUS SILTSTONE with minor CALCAREOUS CLAYSTONE interbeds

CALCAREOUS SILTSTONE (80 to 95%): light grey to off white, medium grey to medium olive grey, argillaceous in part and grading to a CLAYSTONE, trace disseminated and nodular pyrite, trace carbonaceous specks and micro laminae, firm to moderately hard, sub-blocky.

CALCAREOUS CLAYSTONE (5 to 20%): light grey to medium grey, light olive grey, in part arenaceous, trace carbonaceous specks and micro laminae, trace disseminated pyrite, and trace micromicaceous, soft to firm, sub-blocky.

INTERVAL: 2450.0 to 2500.0 mMDRT (-2411.8 to -2461.8 mTVDAHD)
ROP (Range): 14.0 to 100.0 m/h
Av. ROP: 47.0 m/h

Interbedded CALCAREOUS SILTSTONE and CALCAREOUS CLAYSTONE

CALCAREOUS SILTSTONE (70 to 90%): light grey to off white, medium grey to medium olive grey, argillaceous in part and grading to a CLAYSTONE, trace disseminated and nodular pyrite, trace carbonaceous specks and micro laminae, firm to moderately hard, sub-blocky.

CALCAREOUS CLAYSTONE (10 to 30%): light grey to medium grey, light olive grey, in part arenaceous, trace carbonaceous specks and micro laminae, trace disseminated pyrite, trace micromicaceous, soft to firm, sub-blocky.

INTERVAL: 2500.0 to 2540.0 mMDRT (-2461.8 to -2501.8 mTVDAHD)
ROP (Range): 18.0 to 82.0 m/h
Av. ROP: 58.0 m/h

Interbedded CALCAREOUS SILTSTONE and CALCAREOUS CLAYSTONE

CALCAREOUS SILTSTONE (80 to 95%): light grey to off white, medium grey, common very fine quartz grains, trace nodular to disseminated pyrite, trace carbonaceous specks, trace calcite material, soft to firm, sub-blocky.

CALCAREOUS CLAYSTONE (5 to 20%): light grey to medium grey, light olive grey, in part arenaceous, trace carbonaceous specks and micro laminae, trace disseminated pyrite, and trace micromicaceous, soft to firm, sub-blocky.

INTERVAL: 2540.0 to 2560.0 mMDRT (-2501.8 to -2521.8 mTVDAHD)
ROP (Range): 23.0 to 85.0 m/h
Av. ROP: 54.0 m/h

CALCAREOUS SILTSTONE

CALCAREOUS SILTSTONE (100%): light to medium grey, light olive grey to medium olive grey, light brown grey, cm very fine quartz grains grading to very fine SANDSTONE in part, trace carbonaceous specks, trace disseminated pyrite, rare fossil fragments, moderately hard, sub-blocky to blocky.

INTERVAL: 2560.0 to 2600.0 mMDRT (-2521.8 to -2561.8 mTVDAHD)
ROP (Range): 27.0 to 104.0 m/h
Av. ROP: 68.0 m/h

Interbedded CALCAREOUS SILTSTONE and SANDSTONE

CALCAREOUS SILTSTONE (70 to 90%): light grey to medium grey, medium grey to medium olive grey, common very fine grains quartz, trace carbonaceous specks, trace micromicaceous, firm to moderately hard, sub-blocky to blocky.

SANDSTONE (10 to 30%): white to light grey, light brown grey, very fine to fine grains, poor sorted sub-angular to sub-rounded, moderately to strong calcareous cement, common to abundant white argillaceous matrix, trace carbonaceous specks, trace glauconite, friable to moderately hard, very poor visible and inferred porosity, no fluorescence.

INTERVAL: 2600.0 to 2625.0 mMDRT (-2561.8 to -2586.8 mTVDAHD)
ROP (Range): 24.0 to 166.0 m/h
Av. ROP: 73.0 m/h

Interbedded SILTSTONE and SANDSTONE

SILTSTONE (20 to 30%): medium to dark brown, brown grey to medium dark grey, moderately calcareous, common very fine quartz grains grading to very fine SANDSTONE, trace to common carbonaceous specks and micro laminae, trace micromicaceous, moderately hard to hard, sub-blocky to blocky, in part sub-fissile.

SANDSTONE (70 to 80%): light green to light brown, medium brown, clear to translucent, common opaque grains, very fine to fine grains, common medium grains, rare very coarse grains, poorly sorted, sub-angular to sub-rounded, moderate calcareous cement, common white argillaceous matrix, trace glauconite matrix,

trace to common glauconite grains, trace carbonaceous specks, trace mica specks, trace Fe stained quartz grains, moderately hard aggregates, common loose grains, poor to very poor visible & inferred porosity, no fluorescence.

INTERVAL: 2625.0 to 2670.0 mMDRT (-2586.8 to -2631.8 mTVD AHD)
ROP (Range): 14.0 to 201.0 m/h
Av. ROP: 66.0 m/h

Interbedded SILTSTONE and SANDSTONE

SILTSTONE (50 to 70%): medium brown grey to light brown, light grey to light blue grey, light to medium yellow, trace carbonaceous specks, trace micromicaceous, trace Fe stained fossil fragments, trace glauconite, moderately hard to hard, sub-blocky to blocky.

SANDSTONE (30 to 50%): light grey to off white, light brown grey, light blue grey, clear to translucent, very fine to fine grains, poorly sorted, sub-angular to sub-rounded, moderate calcareous cement, common argillaceous to silty matrix, trace glauconite, common nodular pyrite, trace fossil fragments, moderately hard, poor visible and inferred porosity, trace dull yellow orange mineral fluorescence.

INTERVAL: 2670.0 to 2700.0 mMDRT (-2631.8 to -2661.8 mTVD AHD)
ROP (Range): 3.0 to 89.0 m/h
Av. ROP: 36.0 m/h

Interbedded SILTSTONE and SANDSTONE

SILTSTONE (40 to 70%): medium to dark brown, brown grey, medium dark grey, common very fine quartz grains, in part grading to a very fine SANDSTONE, trace to common pyrite, trace glauconite, trace to common carbonaceous specks, moderately hard to hard, sub-blocky to blocky.

SANDSTONE (30-60%): light grey to light green grey, clear to translucent, common opaque, fine to very coarse grained, very poorly sorted, sub-angular to sub-rounded, minor angular grains, moderate to strong siliceous cement predominantly as quartz overgrowths, trace to common light green grey to white argillaceous matrix, common to abundant glauconite, trace to common pyrite, trace lithics, friable to moderately hard, poor inferred porosity, no fluorescence.

HYDROCARBON FLUORESCENCE

No Shows

GAS SUMMARY

Background Gas							
INTERVAL (mMDRT)	Total Gas (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	iC4 (ppm)	nC4 (ppm)	C5 (ppm)
2410.0 - 2420.0	0.05	373	1	0	0	0	0
2420.0 - 2450.0	0.07	555	2	0	0	0	0
2450.0 - 2500.0	0.06	511	2	0	0	0	0
2500.0 - 2540.0	0.08	607	2	2	0	0	0
2540.0 - 2600.0	0.04	234	1	2	0	0	0
2600.0 - 2625.0	0.04	206	1	1	0	0	0
2625.0 - 2670.0	0.03	210	1	0	0	0	0
2670.0 - 2700.0	0.02	142	1	0	0	0	0

No gas peaks were recorded.

CALCIMETRY

Interval (mMDRT)	Calcite Range	Dolomite Range
2370.0 - 2700.0	2 - 48 %	0 - 5 %

REMARKS

Drilled 216 mm section from 2414.0 to 2700.0 mMDRT. At 2700.0 mMDRT the hole was circulated clean and the bit pulled out of hole due to slow ROP (there was a dramatic change in the ROP at 2691.0 mMDRT). Pulled out of hole to surface. Laid out the bit and ADN6 tool, downloaded memory data from the ADN6 and BAT Sonic tools. The ADN6 tool was replaced.

WELLSITE GEOLOGISTS

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