

DAILY GEOLOGICAL REPORT

Date:	24 February 2008	Rig:	West Triton
Report Number:	15	Bit Diameter:	311 mm
Report Period:	06:00 - 06:00 Hours	Last Casing:	340 mm @ 857.0 m MDRT
Spud Date:	14-Feb-2008 23:00 Hours	FIT:	1.91 sg EMW @ 857.0 m MDRT
Days From Spud:	9.3	Mud Weight:	1.15 sg
Depth @ 0600 Hrs:	1455.0 mMDRT	ECD:	0.38 sg
	-1412.1 mTVDAHD	Mud Type:	Gel Polymer
Lag Depth:	1455.0 mMDRT	Mud Chlorides:	60000.00 mg/L
Last Depth:	940.0 m MDRT		
Progress:	515.0 m		
Water Depth:	27.0 m	Last Survey:	1388.32 mMDRT
RT:	39.0 m	Deviation:	Inc. 11.22° Az. 337.32°

OPERATIONS SUMMARY

24 HOUR SUMMARY: Continued to drill ahead 311mm (12 1/4") hole from 940.0 to 1455.0 mMDRT. Commenced programmed angle build from 1245.0 mMDRT.

NEXT 24 HOURS: Continue to directionally drill ahead 311mm (12 1/4") section.

CURRENT OPERATION @ 06:00 HRS (24-Feb-2008): Drill ahead 311mm (12 1/4") hole.

GEOLOGICAL SUMMARY

LITHOLOGY

INTERVAL: 928.0 to 1255.0 m MDRT (-881.0 to -1215.8 m TVDAHD)
ROP (Range): 15.0 to 99.0 m/h
Av. ROP: 77.0 m/h

Interbedded CALCARENITE, CALCISILTITE and CALCILUTITE.

CALCARENITE (20 to 60%): Off white, light to medium grey, light brownish grey in part, locally arenaceous, common pale grey argillaceous matrix, abundant fossils, common very coarse frosted & iron stained quartz grains, trace nodular pyrite, rare glauconite specks, trace rounded brown-red lithics, moderately hard aggregates, tight visible porosity, trace mineral fluorescence.

CALCISILTITE (20 to 50%): Light to medium grey, off white to pale grey, trace grey, argillaceous, minor micro fossils, soft to firm, moderately hard in part, sub-blocky, locally grading to CALCILUTITE and CALCARENITE.

CALCILUTITE (20 to 50%): 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.

INTERVAL: 1255.0 to 1382.0 m MDRT (-1215.8 to -1341.5 m TVDAHD)
ROP (Range): 11.0 to 168.0 m/h
Av. ROP: 76.0 m/h

SANDSTONE with SILTSTONE and COAL interbeds.

SANDSTONE (70 to 100%): Clear to translucent, pale to medium brown grey, very fine to coarse, poorly sorted, angular to sub-angular, minor weak calcareous cement, locally common light brown grey argillaceous matrix where fine grained and grading to arenaceous siltstone, common carbonaceous laminations and specks, generally loose grains, moderately hard fine grained aggregates, locally common carbonaceous specks, locally disseminated and nodular pyrite, poor visible porosity, fair to good inferred porosity, no hydrocarbon fluorescence.

SILTSTONE (5 to 25%): Medium to dark grey, argillaceous, common carbonaceous material and locally

grading to coal stringers, minor micaceous flecks, moderately hard to hard, sub-blocky to sub-fissile.
 COAL (0 to 5%): Dark grey to black, sub-vitreous, dull to earthy in part, common silty laminations and locally grading to carbonaceous siltstone, friable to moderately hard, sub-fissile to sub-blocky, locally sub-conchoidal fracture.

INTERVAL: 1382.0 to 1455.0 m MDRT (-1341.5 to -1412.1 m TVDAHD)
ROP (Range): 7.0 to 111.0 m/h
Av. ROP: 36.0 m/h

Interbedded SANDSTONE and SILTSTONE with COAL stringers and minor CLAYSTONE interbeds.

SANDSTONE (5 to 90%): Light grey brown, translucent, fine to coarse, poor sorted, sub-angular to sub-rounded, minor moderately strong calcareous cement, minor nodular pyrite, generally loose grains, fair to good inferred porosity, no hydrocarbon fluorescence.

SILTSTONE(5 to 45%): Dark brown grey, dark grey, argillaceous, abundant carbonaceous material and laminations, common grading to coal, occasional siderite cement, hard to very hard, sub-fissile.

COAL (0 to 80%): Black, dark grey, vitreous to sub-vitreous, silty in part and locally grd to very dark brown carbonaceous siltstone, hackly in part, friable to moderately hard, conchoidal to sub-conchoidal fracture, sub-blocky in part.

CALCAREOUS CLAYSTONE (0 to 10%): Pale bluish grey, siliceous, common to abundant calcareous material, hard to very hard, sub-fissile.

GAS SUMMARY

Background Gas							
INTERVAL (m MDRT)	Total Gas (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	iC4 (ppm)	nC4 (ppm)	C5 (ppm)
928.0 - 1255.0	25	14	0	0	0	0	0
1255.0 - 1382.0	26	9	0	0	0	0	0
1382.0 - 1455.0	17	6	0	0	0	0	0

No gas peaks recorded.

SAMPLE QUALITY

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

MUDLOGGING EQUIPMENT / PERSONNEL

Trace to 26 ppm gas being registered by equipment. Carbide checks at gas trap and in flow line indicate system functioning properly.

MWD

Incomplete real time gamma ray and resistivity data, thought due to pump harmonics. Ring resistivity is sending no signal at this time.

REMARKS

Steady drilling in both orientating (from 1245.0 mMDRT) and rotary modes.

WELLSITE GEOLOGISTS

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