

DAILY GEOLOGICAL REPORT

Date:	29 February 2008	Rig:	West Triton
Report Number:	20	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:	14.3	Mud Weight:	1.18 sg
Depth @ 0600 Hrs:	2175.0 mMDRT -1993.5 mTVDAHD	ECD:	1.18 sg
Lag Depth:	2174.0 mMDRT	Mud Type:	KCL Polymer
Last Depth:	1914.0 m	Mud Chlorides:	50000.00 mg/L
Progress:	261.0 m		
Water Depth:	27.0 m	Last Survey:	2125.42 mMDRT
RT:	39.0 m	Deviation:	Inc. 47.49° Az. 318.95°

OPERATIONS SUMMARY

24 HOUR SUMMARY: Drilled ahead 311mm deviated hole from 1914.0 mMDRT to 2175.0 mMDRT.

NEXT 24 HOURS: Continue drilling ahead intersecting Campian Volcanics and the primary objective, Golden Beach Formation. POH.

CURRENT OPERATION @ 06:00 HRS (29-Feb-2008): Drilling ahead 311mm hole at 6m/hr.

GEOLOGICAL SUMMARY

LITHOLOGY

INTERVAL: 1995.0 to 2040.0 mMDRT (-1870.6 to -1902.1 mTVDAHD)
ROP (Range): 7.0 to 51.0 m/h
Av. ROP: 22.0 m/h

Interbedded SANDSTONE & SILTSTONE with minor COAL stringers.

SANDSTONE (60 to 100%): pale grey to off white, clear to translucent, very fine to very coarse, dominantly fine to medium, poorly sorted, sub-angular to sub-rounded, angular where coarse grained, common moderate calcareous cement, minor pale grey argillaceous matrix & locally grading to arenaceous siltstone, minor carbonaceous laminations, occasional disseminated and nodular pyrite, generally loose grains, fair to good inferred porosity.

SILTSTONE (10 to 30%): medium grey, light to medium brown grey, arenaceous and generally grading to very fine sandstone, common coal laminations, occasional nodular pyrite, firm, sub-blocky.

CLAYSTONE (30 to 40%): medium grey to brownish grey, medium dark grey, very soft to firm, dominantly soft, amorphous to blocky, dominantly sub blocky, dispersive in part, non calcareous, minor grading to SILTSTONE.

COAL (Trace to 5%): very dark grey, black, hard, blocky, dull vitreous lustre, dominantly sub-conchoidal fracture, rare conchoidal fracture.

INTERVAL: 2040.0 to 2085.0 mMDRT (-1902.1 to -1932.9 mTVDAHD)
ROP (Range): 8.0 to 58.0 m/h
Av. ROP: 31.0 m/h

Massive SANDSTONE with minor SILTSTONE interbeds.

SANDSTONE (85 to 95%): clear to translucent, off white to pale grey, very fine to very coarse, poorly sorted, sub-angular to sub-rounded, angular where coarse, minor weak calcareous cement, localised pale grey argillaceous matrix and occasionally grading to arenaceous siltstone, trace coal laminations, minor nodular and disseminated pyrite, common rock flour, generally loose grains, good inferred porosity.

SILTSTONE (5 to 15%): light to medium grey, light to medium brown grey, arenaceous and generally grading to very fine sandstone, occasional calcareous material, trace flakey micas, minor coal laminations,

occasional nodular pyrite, firm, sub-blocky.

INTERVAL: 2085.0 to 2174.0 mMDRT (-1932.9 to -1992.8 mTVDAHD)
ROP (Range): 5.0 to 51.0 m/h
Av. ROP: 16.0 m/h

Interbedded SILTSTONE & SANDSTONE with minor COAL stringers.

SANDSTONE (70 to 95%): clear to translucent, off white to pale grey, very fine to very coarse, dominantly fine to medium, poor to moderately sorted, angular to sub-angular, minor weak calcareous cement, localised pale grey argillaceous matrix and occasionally grading to arenaceous siltstone, trace coal laminations, minor nodular and disseminated pyrite, common rock flour, generally loose grains, good inferred porosity.

SILTSTONE (5 to 25%): medium grey, light to medium brown grey, argillaceous in part, generally arenaceous and grading to very fine sandstone, occasional calcareous material, common micromicaceous, common carbonaceous material, occasional nodular pyrite, firm, sub-blocky.

CLAYSTONE (Trace to 5%): pale green grey, light blue grey, siliceous, hard to very hard, sub-fissile to sub-blocky.

COAL (Trace to 5%): black, dark grey, vitreous to sub-vitreous, locally silty and grading to carbonaceous siltstone, firm to moderately hard, fissile in part, sub-conchoidal.

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)
1912.0 - 2174.0	0.01	25	0	0	0	0	0

MUDLOGGING EQUIPMENT / PERSONNEL

Gas system readings remain low to anticipation, though function tests indicate fully operational.

MWD

Medium button resistivity data indicates a faulty sensor.

REMARKS

Directionally drilled 311mm hole from 1914.0 m to 2121.0 mMDRT and rotary drilled to 2175.0 mMDRT.

WELLSITE GEOLOGISTS

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