



DAILY GEOLOGICAL REPORT

WELL: Shenandoah #1 **REPORT No.:** 26 **DAYS FROM SPUD:** 26 **DATE:** 26/08/07
PEL: EP 98 **00:00 DEPTH:** 424mKB **LAST 24hr DEPTH:** 424mKB **24 hr Progress:** 4m
LOCATION: Beetaloo Basin **RIG:** Century Rig 7 **KB:** (Final Survey) 232.55m **13^{3/8}" Csg:** 323.15m
GEOLOGIST: J Hulse **GL:** (Final Survey) 226.75m **PTD:** 2,900m

NEARBY WELLS: Balmain #1 (Twin)

06:00 Depth/Operation: 424mKB / Air Hammer drilling cement plug at 341mKB
Operations 00:00 to 06:00: RIH with Hammer drill BHA, drill out cement
Previous 24 Hours Operations: Drill out cement 350-420mKB. 40bbl/hr losses. Drill with water 420-424mKB. POOH, RIH OEDP, pump and displace plug#4. POOH. M/U Hammer BHA

Formation Tops	Actual Depths (m)			Prognosed Depths (m)			Diff to Prog. H/L	Thickness (m)
	MDKB	TVD	TVDSS	MDKB	TVD	TVDSS		
Undifferentiated Tertiary	5.8	5.8	+227	5.8	5.8	+227	-	45.7
Jinduckin Formation	51.5	51.5	+181.3	54.8	54.8	+178	+3.3	32.7
Tindall Limestone	84.2	84.2	+148.6	83.8	83.8	+149	-0.4	178.8
Antrim Volcanics	263.0	263.0	-30.5	265.3	265.3	-32.5	-2.0	85.0
Bukalara Sandstone	348.0	348.0	-115.5	348.3	348.3	-115.5	0.0	58.0
Hayfield Mudstone	406.0	406.0	-173.5	406.3	406.3	-173.5	0.0	
Hayfield Sand				782.2	782.2	-549.4		
Jamison Sandstone				856.3	856.3	-623.5		
Kyalla Formation				940.8	940.8	-708		
Moroak Sandstone				1551.8	1551.8	-1319		
Velkerri Formation				1641.8	1641.8	-1409		
Bessie Creek Sandstone				2481.8	2481.8	-2249		
Total Depth				2900.0	2900.0	-2667.2		

Remarks:

Interval (m) ROP (min/m)	Lithology Description	Gas/Background Breakdown C1/C2/C3/C4/C5
Formation: HAYFIELD MUDSTONE		
420-424mKB	Siltstone: Pale green and red-orange-grey brown, banded. Pale green: sub platy, soft – moderately firm, silicic, weakly laminar, trace disseminated pyrite, trace disseminated carbonaceous detritus, trace white ?feldspar grains. Brown: Soft – firm, sub platy – minor sub blocky, massive – weakly laminar, trace carbonaceous fragments, trace pyrite, trace metalliferous opaques, rare orange silicic crystalline grains.	Nil
Fluorescence	Nil	
Gas Flaring	Nil	

06:00 SUMMARY

Formation:

	NO NEW FORMATION	Nil
Fluorescence	Nil	
Gas Flaring	Nil	