



DAILY GEOLOGICAL REPORT

WELL: Shenandoah #1 **REPORT No.:** 30 **DAYS FROM SPUD:** 30 **DATE:** 30/08/07
PEL: EP 98 **00:00 DEPTH:** 771mKB **LAST 24hr DEPTH:** 771mKB **24 hr Progress:** 56m
LOCATION: Beetaloo Basin **RIG:** Century Rig 7 **KB:** (Final Survey) 232.55m **13 3/8" Csg:** 312m
GEOLOGIST: J Hulse **GL:** (Final Survey) 226.75m **PTD:** 2,900m

NEARBY WELLS: Balmain #1 (Twin)

06:00 Depth/Operation: 771mKB / Wait on Rotary Drive repair

Operations 00:00 to 06:00: Wait on parts

Previous 24 Hours Operations: Drill ahead with aerated water in 12.25" hole to 771mKB, Rotary Drive failure, POOH to shoe, tight between 771-749mKB and 730-621mKB, assess Rotary Drive, remove damaged Rotary components, POOH, replace bit.

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/B'ground Breakdown C1/C2/C3/C4/C5
Formation: HAYFIELD MUDSTONE		
715-770mKB (5min/m)	Siltstone (0-10%): Light green grey – predominantly m grey, firm – moderately hard, common arenaceous, very weakly laminar, minor micromicaceous, trace carbonaceous specks. Mudstone (90-100%): Predominantly pale grey green, grey, hard, blocky – sub tabular – sub platy, micromicaceous, weakly laminar, minor sub fissile, uniform.	100/-/-/-/ Bkg 0.4U Nil
Fluorescence	Nil	
Gas Flaring	Nil	

06:00 SUMMARY

Formation: HAYFIELD MUDSTONE

	NO NEW FORMATION
Fluorescence	Nil
Gas Flaring	Nil