



# DAILY GEOLOGICAL REPORT

**WELL:** Shenandoah #1      **REPORT No.:** 1      **DAYS FROM SPUD:** 1      **DATE:** 01/08/07  
**PEL:** EP 98      **00:00 DEPTH:** 25mKB      **LAST 24hr DEPTH:** 0mKB      **PROGRESS:** 25m  
**LOCATION:** Beetaloo Basin      **RIG:** Century Rig 7      **KB:** (Provisional) 232.8m      **9 5/8" Csg:** m  
**GEOLOGIST:** M. D. Berry      **GL:** (Provisional) 227.0m      **PTD:** m

**NEARBY WELLS:** Balmain #1

**06:00 Depth/Operation:** 26mKB / Run and weld 20" conductor pipe  
**Operations 00:00 to 06:00:** Drill 26" hole to 26m (below KB) and prepare to run 20" conductor pipe  
**Previous 24 Hours Operations:** Shenandoah #1 spudded at 10:00 hours August 1 2007. Centralize derrick, tighten guy wires and dig out cellar for 26" bit. Drill 26" hole to a depth of 25mKB.

Formation Tops	Actual Depths (m)			Prognosed Depths (m)			Diff Prog. H/L	Diff to PV-2 H/L
	MDKB	TVD	TVDSS	MDKB	TVD	TVDSS		
Undifferentiated Tertiary	5.8	5.8	+227	5.8	5.8	+227	-	-
Jinduckin Formation				54.8	54.8	+178		
Tindall Limestone				83.8	83.8	+149		
Antrim Volcanics				265.3	265.3	-32.5		
Bukalara Sandstone				348.3	348.3	-115.5		
Hayfield Mudstone				406.3	406.3	-173.5		
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		

Interval (m) ROP (min/m) Average ROP	Lithology Description	Gas/Background Breakdown C1/C2/C3/C4/C5
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**Formation:**

<b>Fluorescence</b>		
<b>Gas Flaring</b>		

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