



## DAILY GEOLOGICAL REPORT

**WELL:** Shenandoah #1 **REPORT No.:** 5 **DAYS FROM SPUD:** 5 **DATE:** 05/08/07  
**PEL:** EP 98 **00:00 DEPTH:** 78mKB **LAST 24hr DEPTH:** 78mKB **PROGRESS:** 0m  
**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:** 2,900m

**NEARBY WELLS:** Balmain #1

**06:00 Depth/Operation:** 78mKB / Wait on cement before drilling out in 17 1/2" hole.  
**Operations 00:00 to 06:00:** Complete cement job, wait on cement and do rig maintenance.  
**Previous 24 Hours Operations:** Rig up BJ and pump and displace cement job around casing and wait on cement. Do rig service. RIH and tag cement at 68m. Prepare a plug of lost circulation material and cement, place in the 20" casing and push down the hole using the hammer to 27.5m. RIH and perform a cement squeeze job around the casing and wait on cement.

Formation Tops	Actual Depths (m)			Prognosed Depths (m)			Diff Prog. H/L	Diff to Balmain H/L
	MDKB	TVD	TVDSS	MDKB	TVD	TVDSS		
Undifferentiated Tertiary	5.8	5.8	+227	5.8	5.8	+227	-	-
Jinduckin Formation	51.5	51.5	+181.3	54.8	54.8	+178	+3.3	+3.3
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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