



## DAILY GEOLOGICAL REPORT

**WELL:** Shenandoah #1    **REPORT No.:** 54    **DAYS FROM SPUD:** 54    **DATE:** 23/09/07  
**PEL:** EP 98    **00:00 DEPTH:** 1555mKB    **LAST 24hr DEPTH:** 1555mKB    **24 hr Progress:** 0m  
**LOCATION:** Beetaloo Basin    **RIG:** Century Rig 7    **KB: (Final Survey)** 232.55m    **13 3/8" Csg:** 312.11m  
**GEOLOGIST:** M. Berry    **GL: (Final Survey)** 226.75m    **9 5/8" Csg:** 1,553m  
**PTD** 2,900m

**NEARBY WELLS:** Balmain #1 (Twin)

**06:00 Depth/Operation:** 1555mKB / Wait on 11" BOP equipment

**Operations 00:00 to 06:00:** Wait on 11" BOP equipment.

**Previous 24 Hours Operations:** Wait on 11" BOP equipment.

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	3.3H	32.7
Tindall Limestone	84.2	84.2	+148.6	83.8	83.8	+149	0.4L	179.3
Antrim Volcanics	263.5	263.5	-30.9	265.3	265.3	-32.5	1.6H	83.9
Bukalara Sandstone	347.5	347.4	-114.8	348.3	348.3	-115.5	0.7H	58.1
Hayfield Mudstone	405.5	405.4	-172.9	406.3	406.3	-173.5	0.6H	374.4
Hayfield Sand	780.0	779.8	-547.2	782.2	782.2	-549.4	2.2H	(10.0)
Jamison Sandstone	856.0	855.8	-623.3	856.3	856.3	-623.5	0.2H	83.5
Kyalla Formation	939.5	939.3	-706.8	940.8	940.8	-708.0	1.2H	
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
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**Formation: No New Formation Penetrated**

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