



## DAILY GEOLOGICAL REPORT

**WELL:** Shenandoah #1    **REPORT No.:** 20    **DAYS FROM SPUD:** 20    **DATE:** 20/08/07  
**PEL:** EP 98    **00:00 DEPTH:** 328mKB    **LAST 24hr DEPTH:** 328mKB    **24 hr Progress:** 0m  
**LOCATION:** Beetaloo Basin    **RIG:** Century Rig 7    **KB:** (Final Survey) 232.55m    **13<sup>3</sup>/<sub>8</sub>" Csg:** 323.15m  
**GEOLOGIST:** J Hulse    **GL:** (Final Survey) 226.75m    **PTD:** 2,900m

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

**06:00 Depth/Operation:** 328mKB / R/U BOP, wait for components  
**Operations 00:00 to 06:00:** Preparing BOP closing unit  
**Previous 24 Hours Operations:** Cut conductor, slack off casing, top up cement, start N/U BOP, second top up job.

Formation Tops	Actual Depths (m)			Prognosed Depths (m)			Diff to 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	84.2	84.2	+148.6	83.8	83.8	+149	-0.4	-0.4
Antrim Volcanics	263.0	263.0	-30.5	265.3	265.3	-32.5	-2.0	-2.0
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		

**Remarks:** No new formation penetrated. Contacted Schlumberger about availability of formation fluid sampling and pressure tool (MDT), awaiting response.

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

	NO NEW FORMATION	Nil
<b>Fluorescence</b>	Nil	
<b>Gas Flaring</b>	Nil	

### 06:00 SUMMARY

**Formation:** Antrim Volcanics

	NO NEW FORMATION	Nil
<b>Fluorescence</b>	Nil	
<b>Gas Flaring</b>	Nil	