



DAILY GEOLOGICAL REPORT

WELL: Shenandoah #1 **REPORT No.:** 19 **DAYS FROM SPUD:** 19 **DATE:** 19/08/07
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^{3/8}" Csg:** 323.15m
GEOLOGIST: J Hulse **GL: (Final Survey)** 226.75m **PTD:** 2,900m

NEARBY WELLS: Balmain #1 (Twin)

06:00 Depth/Operation: 328mKB / Wait on Cement
Operations 00:00 to 06:00: Run and cement 13^{3/8}" casing
Previous 24 Hours Operations: RIH 13^{3/8}" casing

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. Reviewed Deviation Survey results and revised as follows:

Depth (mKB)	Hole Angle (degrees)	Hole Azimuth (degrees)	Angle/Azimuth (as read)	TVD (mKB)	X offset (m)	Y offset (m)
25.0	0.25	265	S 85 W	25.0	-0.05	0.00
34.0	1.00	217	S 37 W	34.0	-0.12	-0.07
100.0	0.50	195	S 15 W	100.0	-0.54	-0.81
312.0	2.25	128	S 52 E	311.9	2.50	-4.26

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

	NO NEW FORMATION	Nil
Fluorescence	Nil	
Gas Flaring	Nil	

06:00 SUMMARY

Formation: Antrim Volcanics

	NO NEW FORMATION	Nil
Fluorescence	Nil	
Gas Flaring	Nil	