



DAILY GEOLOGICAL REPORT

WELL: Shenandoah #1 **REPORT No.:** 24 **DAYS FROM SPUD:** 24 **DATE:** 24/08/07
PEL: EP 98 **00:00 DEPTH:** 420mKB **LAST 24hr DEPTH:** 404mKB **24 hr Progress:** 16m
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: 420mKB / Prepare to pump LCM and plug #3
Operations 00:00 to 06:00: Tag plug #2 at 368mKB
Previous 24 Hours Operations: Drill 12 1/4" hole to 440mKB. POOH, pump cement squeeze plug#1, tag at 370mKB, pump cement plug #2.

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	+3.3	32.7
Tindall Limestone	84.2	84.2	+148.6	83.8	83.8	+149	-0.4	178.8
Antrim Volcanics	263.0	263.0	-30.5	265.3	265.3	-32.5	-2.0	85.0
Bukalara Sandstone	348.0	348.0	-115.5	348.3	348.3	-115.5	0.0	58.0
Hayfield Mudstone	406.0	406.0	-173.5	406.3	406.3	-173.5	0.0	
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:

Interval (m) ROP (min/m)	Lithology Description	Gas/Background Breakdown C1/C2/C3/C4/C5
Formation: Hayfield Mudstone		
406 – 410mKB	Mudstone: Pale green – pale grey, firm, sub platy, common – abundant disseminated pyrite, samples have high volumes of loose rounded quartz as above, presumed to be caving.	Nil
410 – 420mKB	Mudstone grading to Siltstone: Pale green, medium red brown, sub platy, firm, minor micromicaceous, minor disseminated pyrite, banded. Common loose rounded quartz – caving.	
Fluorescence	Nil	
Gas Flaring	Nil	

06:00 SUMMARY

Formation:

	NO NEW FORMATION	
Fluorescence	Nil	
Gas Flaring	Nil	