



DAILY GEOLOGICAL REPORT

WELL: Shenandoah #1 **REPORT No.:** 49 **DAYS FROM SPUD:** 49 **DATE:** 18/09/07
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 **PTD:** 2,900m
9 5/8" Casing: 1,553m

NEARBY WELLS: Balmain #1 (Twin)

06:00 Depth/Operation: 1555mKB / Wait on replacement rig tongs.

Operations 00:00 to 06:00: Wait on replacement rig tongs.

Previous 24 Hours Operations: Continue to WOC; set 9 5/8" slip and seal assembly and nipple down BOP and associated equipment. Cut casing, remove rotating head and BOP. Install B section and pressure test equipment OK. Unable to nipple up 13 3/8" BOP due to lack of space between the top of the B section and the bottom of the rotary beam. Wait on century to supply suitable rotary beam. Unable to RIH due to rig tong failure.

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

Fluorescence	Nil
Gas Flaring	Nil