



DAILY GEOLOGICAL REPORT

WELL: Shenandoah #1 **REPORT No.:** 47 **DAYS FROM SPUD:** 47 **DATE:** 16/09/07
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

NEARBY WELLS: Balmain #1 (Twin)

06:00 Depth/Operation: 1555mKB / Running 9 5/8" casing.

Operations 00:00 to 06:00: Running 9 5/8" casing/

Previous 24 Hours Operations: POOH after circulating and reaming to bottom. Lay out BHA, clear the floor and rig to run 9 5/8" casing. Start running 9 5/8" casing at 2:30pm.

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: Highlighted tops are from Wireline logs. Note that minor changes have been made to the TVD, TVDSS, DIFF and Thicknesses based on computed hole trajectory. Tagged fill on reaming trip at 1485m and had 17 units of trip gas.

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	