



DAILY GEOLOGICAL REPORT

WELL: Shenandoah #1 **REPORT No.:** 46 **DAYS FROM SPUD:** 46 **DATE:** 15/09/07
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 /POOH in preparation to run casing.

Operations 00:00 to 06:00: Ream the hole to bottom, circulate and POOH.

Previous 24 Hours Operations: Completed conditioning the hole and POOH in preparation to run logs. Rig up Schlumberger and RIH. Unable to get past 1493m due to hole conditions/fill on bottom. Logged the lower section of hole from 1493m to 1327m and POOH. Rig down Schlumberger. Modify BHA RIH to shoe, lay out 8 singles and RIH to condition the hole and ream to bottom.

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.

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