



DAILY GEOLOGICAL REPORT

WELL: Shenandoah #1 **REPORT No.:** 13 **DAYS FROM SPUD:** 13 **DATE:** 13/08/07
PEL: EP 98 **00:00 DEPTH:** 217mKB **LAST 24hr DEPTH:** 217mKB **PROGRESS:** 0m
LOCATION: Beetaloo Basin **RIG:** Century Rig 7 **KB:** (Final Survey) 232.55m **9 5/8" Csg:** m
GEOLOGIST: M. D. Berry **GL:** (Final Survey) 226.75m **PTD:** 2,900m

NEARBY WELLS: Balmain #1

06:00 Depth/Operation: **217mKB /** After pumping the remaining mud into the hole, we are currently sitting at the shoe waiting for water so that we can circulate and ream to bottom in order to drill ahead.

Operations 00:00 to 06:00: RIH but could not get to bottom. POOH.

Previous 24 Hours Operations: POOH working tight hole. Continue to lay out DC's. Repair drum clutch and continue to POOH laying out 6 1/4" DC's. POOH with stabilisers, bit sub and 17 1/2" bit at 2:30pm. Clean and clear rig floor. Remove first section of blooie line and cut 20" conductor pipe. Pick up, install and weld riser to 20" conductor pipe. Install flow line. Pick up magnet, M/U BHA and HWDP and RIH to do a magnet run.

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				265.3	265.3	-32.5		
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		

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

Fluorescence		
Gas Flaring		