



DAILY GEOLOGICAL REPORT

WELL: Shenandoah #1	REPORT No.: 15	DAYS FROM SPUD: 15	DATE: 15/08/07
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: J Hulse		GL: (Final Survey) 226.75m	PTD: 2,900m

NEARBY WELLS: Balmain #1 (Twin)

06:00 Depth/Operation: 230mKB / Drilling ahead 17 1/2" hole in Tindall Limestone.

Operations 00:00 to 06:00: RIH, drill ahead 17 1/2" hole.

Previous 24 Hours Operations: Wait on water pumps and tanker, prepare to drill ahead. RIH, ream and wash 58 – 77mKB, repair mud pump.

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)	Lithology Description	Gas/Background Breakdown C1/C2/C3/C4/C5
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Formation: Tindall Limestone

216.5 – 224m 10min/m	100% Limestone, White, buff, yellow, grey, soft – moderately hard, blocky, micritic. Very poor sample, almost 100% LCM.	Nil
224 – 230m 6min/m	100% Limestone, predominantly light grey, soft – firm, calcareous siltstone, common carbonaceous fragments, trace fossil fragments, massive – weakly laminar. Correlates with approximately 230mKB on Balmain-1 logs. Very high LCM content in sample. Minor Tertiary quartz.	
Fluorescence	Nil	
Gas Flaring	Nil	

Formation:

Fluorescence		
Gas Flaring		