



## DAILY GEOLOGICAL REPORT

<b>WELL:</b> Shenandoah #1	<b>REPORT No.:</b> 12	<b>DAYS FROM SPUD:</b> 12	<b>DATE:</b> 12/08/07
<b>PEL:</b> EP 98	<b>00:00 DEPTH:</b> 217mKB	<b>LAST 24hr DEPTH:</b> 217mKB	<b>PROGRESS:</b> 0m
<b>LOCATION:</b> Beetaloo Basin	<b>RIG:</b> Century Rig 7	<b>KB:</b> (Final Survey) 232.55m	<b>9 5/8" Csg:</b> m
<b>GEOLOGIST:</b> M. D. Berry		<b>GL:</b> (Final Survey) 226.75m	<b>PTD:</b> 2,900m

**NEARBY WELLS:** Balmain #1

<b>06:00 Depth/Operation:</b>	<b>217mKB /</b> Continue to work pipe in tight hole.
<b>Operations 00:00 to 06:00:</b>	Continue to work pipe in tight hole laying out DC singles.
<b>Previous 24 Hours Operations:</b>	Fill the mud tanks with the rest of the sump water. Work tight hole and ream from 147m to 159m. Continue reaming on tight hole and pump water. POOH with 6 1/4" DC, lay out at 138m. Continue POOH. Stuck pipe at 135m. Work pipe with 90k lb up and 55k lb downward force. Pump polymer. Break out 6 1/4" DC at 128m. Make up Kelly and continue to work pipe with 100klb up and 50klb downward force. Break out DC at 119m and continue to work pipe. Break out another DC at 110m and lay out.

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		



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

<b>Fluorescence</b>		
<b>Gas Flaring</b>		

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