



## DAILY GEOLOGICAL REPORT

DGR 4

<b>Date:</b>	17 December 2008	<b>Licence / State:</b>	VIC/P46
<b>Report Period:</b>	06:00 – 06:00 hrs AEDT	<b>Rig:</b>	Seadrill: West Triton
<b>Days From Spud:</b>	3	<b>RT - SEAFLOOR:</b>	76.7m
<b>Current Hole Size:</b>	444mm (17.5")	<b>WATER DEPTH</b>	38.7 m MSL
		<b>RT:</b>	38.0 m MSL
<b>Depth @ 06:00 Hrs EST:</b>	999m MDRT	<b>PTD:</b>	4000.0 m MDRT
	999m TVDRT	<b>Spud Date:</b>	14 December 2008
	-961m SS		
<b>24 Hr Progress:</b>	766m		
<b>06:00 – 06:00 EST</b>			
<b>Current Operation:</b>	Circ and condition hole at section TD in the Pember Mudstone.		
<b>AFE Cost</b>	<b>(Drill)\$</b>	<b>(C&amp;S)\$</b>	<b>Cost To Date:</b>
		<b>(P&amp;A)\$</b>	

Casing Data	Hole Size	Depth	Casing Size	Wt:	Type	Shoe Depth	LOT
1	914 mm (36")	119m	762mm (30")		X52	116m	
2	444mm (17.5")	999m					

Mud Data	Type:	Wt:	Visc:	WL:	PH:	KCI:	Cl -:	PV/YP:	Rmf
23:00	SW & Prehydrated Bentonite	8.8	490					10/77	-

Bit Data	No.	Make	Type		Size	Hours	Meters	Condition
Present	2	Hughes	Rock	MXL-T00	444mm (17.5")	21	880	
Last	1 RR	Reed	Rock	Y11C	660mm (26")	2.5	42.3	1 1 NO A E I NO TD

Surveys	Type	MD (m)	Inclination	Azimuth (T)	TVD (m)	Offset (m)	Direction (T)
25	MWD	906.92	0.33	214.11	906.92	2.44	241.17
26	MWD	936.44	1.52	212.18	936.35	2.87	236.6
27	MWD	966.55	2.74	216.55	966.55	3.93	230.58

Fluid Loss	Interval MDRT	Total or Rate (bbl)	Remarks
Mud	499-999	25-167bbl/hr	Approx static losses down hole

## OPERATIONS SUMMARY

### Previous 24 hrs Operations Summary at 06:00 hrs AEDT

Drilled ahead 444mm (17.5") hole 233-999m (casing point). Circulated and conditioned hole

### Anticipated operations:

Circulate and condition hole. Displace to Hi-Vis mud. POH. Run and cmt 340mm (13.375") casing.

**FORMATION TOPS**

FORMATION	ACTUAL TOP		High / Low	High / Low	PROGNOSSED TOP	
	(MDmRT)	(mSS)	Prognosis	Offset	(MDmRT)	(mSS)
Heytesbury Group	76.7	-38.7	0m		76.7	-38.7
Nirranda Group	492	-454	49m Low		443.0	-405.0
Dilwyn Formation	576	-538	38m Low		538.0	-500.0
Pember Mudstone	963	-925	15m Low		948.0	-910.0
Pebble Point Formation					1028.0	-990.0
Timboon Sandstone					1048.0	-1010.0
Paarratte Formation					1223.0	-1185.0
Skull Creek Mudstone					1703.0	-1665.0
Nullawarre Greensand					1823.0	-1785.0
Belfast C & B Mudstone					1878.0	-1840.0
Belfast A Mudstone					2163.0	-2125.0
Flaxman Formation					2938.0	-2900.0
Waarre Formation Unit C					3228.0	-3190.0
Waarre Formation Unit B					3533.0	-3495.0
Waarre Formation Unit A					3588.0	-3550.0
Eumeralla Formation					3988.0	-3950.0
Total Depth					4000.0	-3962.0

**HYDROCARBON SHOW SUMMARY**

INTERVAL	LITHOLOGY & HYDROCARBON FLUORESCENCE	GAS
233-999m	Returns to seabed	

GAS	MD (m)	Peak	Background	Chromatograph
Trip Gas				
Connection Gas				

**GEOLOGICAL SUMMARY**

INTERVAL ROP (m/hr)	LITHOLOGY	GAS (Peak / BG) Composition %
233-999m 10-90m/hr Av 32m/hr	Returns to seabed	

**REMARKS:**

DGR 4 links to DDR 7

**LWD Offsets from Bit:**

Gamma: 5.10m  
Survey: 5.75m.  
Sonic: 14.74m

**Geologists:** Roman Leslie / Greg Clota