



## DAILY GEOLOGICAL REPORT

DGR 17

<b>Date:</b>	30 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>	16	<b>RT - SEAFLOOR:</b>	76.7m
<b>Current Hole Size:</b>	311mm (12.25")	<b>WATER DEPTH</b>	38.7 m MSL
		<b>RT:</b>	38.0 m MSL
<b>Depth @ 06:00 Hrs EST:</b>	2807m MDRT	<b>PTD:</b>	4000.0 m MDRT
	2804.4m TVDRT	<b>Spud Date:</b>	14 December 2008
	-2766.4m SS		
<b>24 Hr Progress:</b>	0m		
<b>06:00 – 06:00 EST</b>			
<b>Current Operation:</b>	Circulating, preparing to cement 244mm (9.675") casing		
<b>AFE Cost (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	340mm(13.375")	68lb/ft	NT80HE	987m	15.0ppg EMW
3	311mm(12.25")	2807	244mm(9.675")	53.5lb/ft	P110		

Mud Data	Type:	Wt:	Visc:	WL:	PH:	KCl:	Cl -:	PV/YP:	Rmf
12:00	KCl Polymer	10.0	55	5.0	8.8	6.9%	46k	14/36	-

Bit Data	No.	Make	Type		Size	Hours	Meters	Condition
Last	5	Reed	PDC	RSX616M-A10	311mm (12.25")	19.3	410.5	1 1 LT G X I BU TD

Surveys	Type	MD (m)	Inclination	Azimuth (T)	TVD (m)	Offset (m)	Direction (T)
76	MWD	2783.95	3.22	72.34	2781.43	73.43	222.43

Fluid Loss	Interval MDRT	Total or Rate (bbl)	Remarks
Mud	2807	nil	No losses whilst running casing

## OPERATIONS SUMMARY

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

Made up 244mm (9.675") casing shoe track joints. Ran 244mm (9.675") casing to 2774m Casing took 30klb weight. Attempted to circulate casing – hole packed off. Worked casing 2764-2778m and established circulation – no mud losses. Made up casing hanger to landing string and washed 244mm (9.675") casing 2778-2807m. Made up cementing head and circulated casing.

### Anticipated operations:

Cement 244mm (9.675") casing. Run seal assembly. Pressure test BOP. Make up 216mm (8.5") Drilling Assembly and RIH.

### FORMATION TOPS

FORMATION	ACTUAL TOP		High / Low	High / Low	PROGNOSED TOP	
	(MDmRT)	(mSS)	Prognosis	Normanby-1	(MDmRT)	(mSS)
Heytesbury Group	76.7	-38.7	0m	10 High	76.7	-38.7
Nirranda Group	492	-454	49m Low	145 High	443.0	-405.0
Dilwyn Formation	576	-538	38m Low	152 High	538.0	-500.0
Pember Mudstone	963	-925	15m Low	255 High	948.0	-910.0
Pebble Point Formation	1075	-1037	47m Low	227 High	1028.0	-990.0
Timboon Sandstone	1092	-1054	44m Low	236 High	1048.0	-1010.0
Paarratte Formation	1245	-1207	22m Low	251 High	1223.0	-1185.0
Skull Creek Mudstone	1705	-1666	1m Low	258 High	1703.0	-1665.0
Nullawarre Greensand	1850	-1811	26m Low	232 High	1823.0	-1785.0
Belfast C & B Mudstone	1905	-1866	26m Low	232 High	1878.0	-1840.0
Belfast A Mudstone	2160	-2120	5m High	253 High	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
2807m	No new formation drilled	

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

### GEOLOGICAL SUMMARY

INTERVAL ROP (m/hr)	LITHOLOGY	GAS (Peak / BG) Composition %
2807	No new formation drilled	

#### REMARKS:

DGR 17 links to DDR 20

Run3 LWD Sonic and Resistivity memory data was downloaded and is of good quality.

#### LWD Offsets from Bit:

Run 4:

TBA

<b>Geologists:</b> Roman Leslie / Greg Clota
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