



DAILY GEOLOGICAL REPORT

DGR 21

Date:	3 January 2009	Licence / State:	VIC/P46
Report Period:	06:00 – 06:00 hrs AEDT	Rig:	Seadrill: West Triton
Days From Spud:	20	RT - SEAFLOOR:	76.7m
Current Hole Size:	216mm (8.5")	WATER DEPTH	38.7 m MSL
		RT:	38.0 m MSL
Depth @ 06:00 Hrs EST:	2807m MDRT	PTD:	4000.0 m MDRT
	2804.4m TVDRT	Spud Date:	14 December 2008
	-2766.4m SS		
24 Hr Progress:	0m		
06:00 – 06:00 EST			
Current Operation:	RIH 216mm (8.5") Drilling Assembly		
AFE Cost (Drill)\$	(Coal&S)\$	Cost To Date:	
	(P&A)\$		

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	2800.3m	

Mud Data	Type:	Wt:	Visc:	WL:	PH:	KCI:	Cl -:	PV/YP:	Rmf
19:00	KCI Polymer	10.1	55	5.2	8.5	7.0%	45k	14/36	-

Bit Data	No.	Make	Type		Size	Hours	Meters	Condition
Present	6	Security	PDC	SE3653Z	216mm (8.5")			
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

OPERATIONS SUMMARY

Previous 24 hrs Operations Summary at 06:00 hrs AEDT

Pressure tested BOP. Pulled test plug. Pressure tested 244mm (9.675") casing and choke manifold. Installed diverter package – troubleshoot problem with orientation pin – installed OK. Laid out Jars from 311mm (12.25") BHA. Made up 216mm (8.5") BHA. Shallow tested LWD – OK. Troubleshoot problem locking in radioactive source – OK. Picked up remainder of BHA. RIH whilst picking up drill pipe.

Anticipated operations:

RIH. Drill out 244mm (9.675") shoe track and 3m new formation with 10.3ppg mud. LOT. Drill ahead 216mm (8.5") hole.

FORMATION TOPS

FORMATION	ACTUAL TOP		High / Low	High / Low	PROGNOSSED 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 21 links to DDR 24

LWD Offsets from Bit:

Run 4:

GR: 4.58m
 Res: 4.53m
 ECD: 3.82m
 Survey: 12.62m
 Sonic: 21.97m
 Neutron: 29.27m
 Density: 28.40m
 Caliper: 27.93m

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