



## DAILY GEOLOGICAL REPORT

DGR 12

<b>Date:</b>	27 November 2008	<b>Licence / State:</b>	T/39P Tas
<b>Report Period:</b>	06:00 – 06:00 hrs EST	<b>Rig:</b>	Seadrill: West Triton
<b>Days From Spud:</b>	12	<b>RT - SEAFLOOR:</b>	112.15 m
<b>Current Hole Size:</b>	311mm (12.25")	<b>WATER DEPTH</b>	78.0 m MSL
		<b>RT:</b>	34.15 m MSL
<b>Depth @ 06:00 Hrs EST:</b>	2090.0 m MDRT	<b>PTD:</b>	2134.0 m MDRT
	2090.0 m TVD RT	<b>Spud Date:</b>	15 November 2008
	-2055.9 m SS		
<b>24 Hr Progress:</b>	175m		
<b>06:00 – 06:00 EST</b>			
<b>Current Operation:</b>	<b>DRILLING AHEAD 12 ¼" HOLE IN THE MID EVCM</b>		
<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")	218m	762mm (30")		X52	216m	
2	406mm (16")	810m	340mm(13.375")	68ppf	N80	804m	15.5ppg
	311mm(12.25")						

Mud Data	Type:	Wt:	Visc:	WL:	PH:	KCI:	Cl -:	PV/YP:	Rmf
09:00	KCI PHPA Polymer	9.5	53	4.0	9.0	37236	38.0k	19/32	-
20:19	As above	9.45	61	4.0	9.5	37100	38.0k	1832	

Bit Data	No.	Make	Type	Size	Hours	Meters	Condition
Present	4	Hughes	Rock MXL- C30HDX	311mm (12.25")	55.1	636	
Last	3	Reed	PDC RSX616M -A16	311mm (12.25")	30	644	8,8,RO,A,X,2,NR,PR

Surveys	Type	MD (m)	Inclination	Azimuth (T)	TVD (m)	Offset (m)	Direction (T)
28	MWD	1906.90	0.63	28.21	1906.82	7.22	112.99
29	MWD	1995.04	0.77	13.45	1994.95	7.25	104.53

Fluid Loss	Interval MDRT	Total or Rate (bbl)	Remarks
	1915-2089	Up to 24bbl/hr	Losses at shakers

## OPERATIONS SUMMARY

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

Drilled ahead 311mm (12.25") hole from 1915 to 2090m

### Anticipated operations:

Drill ahead 311mm (12.25") hole to section TD at 2134mRKB. POH, rig up and run wireline logs.

### FORMATION TOPS

FORMATION	ACTUAL TOP		High / Low	High / Low	PROGNOSED TOP	
	(MDmRT)	(mSS)	Prognosis	Offset	(MDmRT)	(mSS)
<i>Recent Carbonates</i>					112.0	-78.0
<i>Torquay Group</i>					134.0	-100.0
<i>Lower Torquay Group</i>	1170	-1136	+32m		1134.0	-1104.0
<i>Demons Bluff Fm</i>	1254	-1220	-42m		1296.0	-1262.0
<i>Upper Eastern View Group</i>	1328	-1294	-41m		1367.0	-1333.0
<i>Middle Eastern View Group</i>	1600	-1566	-34m		1634.0	-1600.0
<i>Total Depth</i>					2134.0	-2100.0

### HYDROCARBON SHOW SUMMARY

INTERVAL	LITHOLOGY & HYDROCARBON FLUORESCENCE	GAS
	No fluorescence.	

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

### GEOLOGICAL SUMMARY

INTERVAL ROP (m/hr)	LITHOLOGY	GAS (Peak / BG) Composition %
1915-1963m  4.4-40 m/hr 19.3 m/hr avg	<p><b>Interbedded Sandstone and Claystone with Coal seams</b>            SANDSTONE: (10-70%) Quartzose, clear to translucent, frosted, fine to coarse, angular to subround, poor sorting, slightly calcareous cement, silty/argillaceous matrix, trace nodular pyrite, common coarse milky quartz float, friable to predominantly disaggregated, poor to fair porosity, no fluorescence.            CLAYSTONE: (20-90%) Light brown grey to light olive grey, slightly silty/arenaceous, trace carbonaceous specks/stylolites, micromicaceous, soft to plastic, massive.            COAL: (0-90%) Black, bituminous, subvitreous lustre, subconchoidal to uneven fracture, brittle, blocky.</p>	0.6u BG Peak 25u @1938m 88/8/3/1/0
1963-2041m  2.7-38 m/hr 15 m/hr avg	<p><b>Massive Claystone with interbedded and interlaminated Sandstone and Coal</b>            SANDSTONE: (0-20%) Lithic Arenite, light brown grey to pale yellow brown, fine to medium, subangular, moderately well sorted, argillaceous/silty matrix, trace lithic fragments, micaceous, friable, very poor to nil porosity, no fluorescence.            CLAYSTONE: (60-100%) Brown grey to olive grey, slightly calcareous, silty/arenaceous, occasionally lithic fragments, micromicaceous, trace carbonaceous material, soft, firm, massive, blocky in part.            COAL: (0-20%) Black to grey black, bituminous, dull lustre, locally argillaceous, platy fracture, brittle, blocky to predominantly fissile.</p>	0.7u BG Peak 12.3u @1988m 85/8/5/2/0
2041-2090m  3-16 m/hr 6 m/hr avg	<p><b>Igneous Intrusive</b>            DOLERITE: (100%) Dark greenish grey to olive grey, stained, coarse crystalline, welded grain boundaries, very fine ground mass in part, crystal assemblage includes, plagioclase, quartz, hornblend and olivine, hard, blocky.</p>	0.7u BG 86/2/6/3/3



**REMARKS:**

DGR 12 links to DDR 45

**LWD Offsets from Bit:**

**Run# 3**

GR: 2.81  
RBit: 1.11  
RRing: 3.07  
Survey: 9.94  
Sonic: 18.83  
Neutron: 27.1  
Density: 25.2

**Geologists: Hamish Little / Greg Clota**