

Date: Report Number: Report Period: Spud Date: Days From Spud: Depth @ 2400 Hrs:

Lag Depth: Last Depth: Progress: Water Depth: RT: 28 July 2009 5 00:00 - 24:00 Hours 22-Jul-2009 03:00 Hours 6.9 2918 m MDRT 2474.9 m TVDRT 2453.4 m TVDMSL 2910 m MDRT 2262 m MDRT 656 m 154.2 m 21.5 m Rig: Bit Diameter: Last Casing: Integrity Test: Mud Weight: ECD: Mud Type: Mud Chlorides: Est. Pore Pressure: DXC: Last Survey: Deviation: Ocean Patriot 311 mm 340 mm @ 1056.6 m MDRT 1.56 sg EMW at 1064 mMDRT 1.15 sg 1.19 sg KCI-KlaStop-Polymer 48,000 mg/L

2876.96 m MDRT Inc. 37.06° Az. 144.65°

OPERATIONS SUMMARY

DAILY GEOLOGICAL REPORT

24 HOUR SUMMARY: Drilled 311 mm (12 1/4") hole from 2262 to 2918 mMDRT.

NEXT 24 HOURS: Circulate hole clean, POOH and rack back BHA. Rig up and run 244 mm (9 5/8") casing.

CURRENT OPERATION @ 06:00 HRS (29-Jul-2009): Pulling out of hole at 1399 mMDRT.

GEOLOGICAL SUMMARY

LITHOLOGY

 INTERVAL:
 2260 to 2495 m MDRT (-1929.1 to -2115.8 m TVDMSL)

 ROP (Range):
 50 to 156 m/hr

 Av. ROP:
 90 m/hr

CALCAREOUS CLAYSTONE (100%) : light grey medium dark grey, medium bluish grey, occasional green grey, soft to moderately hard, sub-blocky to blocky, 30% calcareous clay, 10% calcareous silt, minor siliceous silt, trace to 5% very fine quartz, trace pyrite, trace glauconite, trace carbonaceous material, trace Foraminifera.

INTERVAL:	2495 to 2570 m MDRT	(-2115.8 to -2175.6 m TVDMSL)
ROP (Range):	41 to 144 m/hr	
Av. ROP:	97 m/hr	

CALCAREOUS CLAYSTONE (20 to 95%) : light grey to medium dark grey, medium bluish grey, occasional green grey, soft to moderately hard, sub-blocky to blocky, 30% calcareous clay, 10% calcareous silt, minor siliceous silt, trace to 5% very fine quartz, trace pyrite, trace glauconite, trace carbonaceous material, trace Foraminifera.

SANDSTONE (5 to 40%): clear to translucent, occasional yellow grey, loose, very fine to fine, occasional medium, trace coarse and very coarse, moderately well sorted, sub-angular to sub-rounded, slightly elongated to slightly spherical, trace pyrite, trace to 1% glauconite, fair inferred porosity, no shows.

SILTSTONE (Nil to 40%) : medium yellow brown, light olive grey to olive black, soft to firm, blocky to subblocky, 10% siliceous clay, trace pyrite, trace coal, rare to 5% glauconite.



INTERVAL:	2570 to 2720 m MDRT	(-2175.6 to -2295 m TVDMSL)
ROP (Range):	3 to 161 m/hr	
Av. ROP:	100 m/hr	

SANDSTONE (80 to 97%) : clear to translucent, occasional yellow grey, loose, very fine to very coarse, dominantly coarse, poor to moderately sorted, sub-angular to rounded, slightly elongated to spherical, trace pyrite, trace to 1% glauconite, good inferred porosity, no shows.

SILTSTONE (2 to 10%) : medium yellow brown, light olive grey to olive black, soft to firm, blocky to subblocky, 10% siliceous clay, trace pyrite, trace coal, rare to 5% glauconite.

CLAYSTONE (1 to 10%) : light grey to medium dark grey, medium bluish grey, occasional green grey, soft to moderately hard, sub-blocky to blocky, 10% calcareous clay, 5% calcareous silt, minor siliceous silt, trace pyrite, trace glauconite, trace carbonaceous material, very dispersive in part.

INTERVAL:	2720 to 2850 m MDRT	(-2295 to -2399 m TVDMSL)
ROP (Range):	3 to 63 m/hr	
Av. ROP:	30 m/hr	

SILTSTONE (5 to 35%) : medium brown grey, light olive grey to olive black, soft to firm, blocky to subblocky, 10% siliceous clay, trace pyrite, trace coal, trace glauconite.

SANDSTONE (30 to 80%) : clear to translucent, medium dark grey to olive grey, loose, friable, very fine to very coarse, 10% very fine grained aggregates, moderately sorted, sub-angular to rounded, slightly elongated to spherical, trace pyrite, trace to 1% glauconite, nil visible porosity in aggregates, fair to good inferred porosity, no shows.

CLAYSTONE (5 to 35%) : medium dark grey, medium brown grey, white to very light grey, very soft to moderately hard, amorphous, sub-blocky to blocky, 5% calcareous clay, trace calcareous silt, minor siliceous silt, trace pyrite, trace glauconite, trace carbonaceous material, very dispersive in part.

INTERVAL:	2850 to 2910 m MDRT	(-2399 to -2488.5 m TVDMSL)
ROP (Range):	4 to 66 m/hr	
Av. ROP:	28 m/hr	

SANDSTONE (35 to 75%) : translucent, transparent, white, light grey, trace orange, loose, sub-rounded to sub-angular, moderately to poorly sorted, slightly spherical to slightly elongated, 5% siliceous clay, 95% siliceous sand, 10% very fine grained, 20 to 30% fine grained, 40 to 50%% medium grained, 15 to 20% coarse grained, 5% very coarse grained, trace pyrite cement, trace pyrite, trace glauconite, up to 5% rock flour.

SILTSTONE (25 to 65%) : medium dark grey ,brown grey, soft to moderately hard, amorphous to blocky, sub-angular, well sorted, slightly spherical, 10% calcareous clay, 60% siliceous clay, 25% siliceous silt, 5% siliceous sand, 5% pyrite, 2% coal/lignite, trace glauconite.

Background Ga	as						
INTERVAL (m MDRT)	Total Gas (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	iC4 (ppm)	nC4 (ppm)	C5 (ppm)
2260 - 2495	0.03	196	4	2	0	0	0
2495 - 2570	0.02	132	9	6	1	1	0
2570 - 2720	0.02	121	8	4	1	1	0
2720 - 2850	0.02	93	5	5	1	1	0
2850 - 2910	0.01	77	3	2	0	1	0

GAS SUMMARY



Generally good sample quantity and quality.

MUDLOGGING EQUIPMENT / PERSONNEL

2 Data Engineers, 2 Mudloggers, 2 Sample Catchers on board

MWD

2 Directional Drillers, 3 LWD Engineers on board.

Sensor distances behind the bit:								
Resistivity	8.94 m							
Gamma Ray	8.99 m							
Direction	16.48 m							

PROVISIONAL FORMATION TOPS

Formation	Pro	gnosed D	epths	Actual Depths			Diff.	Picks Based
Name	MD	TVDRT	TVDMSL	MD	TVDRT	TVDMSL	TVT	On
	(m)	(m)	(m)	(m)	(m)	(m)	(m)	
Gippsland Limestone	176.5	176.5	(155)	175.7	175.7	(154.2)	0.8 H	
Lakes Entrance Fm	2094.8	1816.4	(1794.9)	2100.0	1824.4	(1802.9)	8.0 L	Subtle change in lithology
Top Latrobe Group	2501.2	2143.9	(2122.4)	2495.0	2137.3	(2115.8)	6.6 H	Increase in GR & RES
K2 Sandstone Marker	2946.1	2502.5	(2481)				-	
Zone 0	3545.4	2985.4	(2963.9)				-	
Zone 2	3658.1	3076.3	(3054.8)				-	
Zone 6	3835.3	3219.1	(3197.6)				-	
Top Volcanics	3901	3272	(3250.5)				-	
Total Depth	3951	3312.3	(3290.8)					

SURVEY DATA

MD	Inc	Azi	TVD	TVDSS	V.Sec	Dogleg	E/W	N/S
(m)	(°)	(°)	(m)	(m)	(m)	(%30m)	(m)	(m)
2070.25	36.28	150.15	1800.65	1779.15	882.91	0.29	430.37	-770.91
2099.29	36.98	149.86	1823.95	1802.45	900.23	0.74	439.04	-785.92
2127.60	37.51	149.66	1846.49	1824.99	917.36	0.58	447.67	-800.72
2156.62	37.88	149.51	1869.45	1847.95	935.10	0.39	456.65	-816.02
2184.65	38.11	149.41	1891.54	1870.04	952.35	0.25	465.42	-830.88
2213.83	38.43	149.62	1914.45	1892.95	970.42	0.36	474.59	-846.46
2242.40	38.29	150.80	1936.85	1915.35	988.15	0.78	483.40	-861.85
2270.15	37.73	151.59	1958.71	1937.21	1005.24	0.80	491.63	-876.82
2299.33	37.92	152.77	1981.76	1960.26	1023.13	0.77	499.98	-892.64
2328.31	37.50	152.72	2004.69	1983.19	1040.84	0.44	508.10	-908.40
2356.86	37.14	152.63	2027.39	2005.89	1058.14	0.38	516.04	-923.78
2385.32	36.95	152.51	2050.11	2028.61	1075.28	0.21	523.94	-939.00
2414.74	37.37	152.25	2073.56	2052.06	1093.05	0.46	532.18	-954.74
2443.40	37.46	152.07	2096.32	2074.82	1110.46	0.15	540.31	-970.14
2472.38	37.14	152.42	2119.37	2097.87	1128.01	0.40	548.49	-985.68
2501.29	37.25	152.68	2142.40	2120.90	1145.48	0.20	556.55	-1001.19



Basker-7

1000								
2530.46	36.72	153.05	2165.70	2144.20	1163.02	0.59	564.55	-1016.81
2559.09	37.34	152.33	2188.56	2167.06	1180.25	0.79	572.46	-1032.13
2587.53	37.75	151.79	2211.11	2189.61	1197.58	0.55	580.58	-1047.44
2616.24	37.16	150.34	2233.90	2212.40	1215.04	1.11	589.03	-1062.72
2644.78	37.10	148.68	2256.65	2235.15	1232.26	1.06	597.77	-1077.56
2674.04	37.13	147.37	2279.99	2258.49	1249.89	0.81	607.12	-1092.54
2703.21	37.30	145.69	2303.22	2281.72	1267.48	1.06	616.85	-1107.25
2732.96	37.28	143.89	2326.89	2305.39	1285.40	1.10	627.24	-1121.98
2760.70	37.02	141.64	2349.00	2327.50	1301.99	1.50	637.37	-1135.32
2789.97	36.48	140.97	2372.45	2350.95	1319.26	0.69	648.32	-1148.98
2819.09	36.62	142.39	2395.84	2374.34	1336.38	0.88	659.07	-1162.59
2848.22	36.88	144.25	2419.19	2397.69	1353.65	1.18	669.48	-1176.57
2876.96	37.06	144.65	2442.15	2420.65	1370.83	0.31	679.53	-1190.63

REMARKS

Bottoms-up from circulation at 00:10 (29th July 2009).

WELLSITE GEOLOGISTS

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