

Culverin-1



Date:	7-01-2006	Last Casing:	340 mm (13 3/8") @ 1511.14 mMDRT
Report Number:	19	Leak Off Test:	1.89 sg EMW @ 1528.0 mMDRT
Report Period:	24hrs to 24:00	Current hole size:	311 mm (12 1/4")
Depth @ 2400 Hrs:	3758.0 mMDRT (TD)	Mud Weight:	1.21 sg
Last Depth:	3758.0 mMDRT	ECD:	n/a wireline logging
Progress:	0 m	Mud Type:	KCl-NaCl-Polymer
TD Lithology:	Siltstone and minor Sandstone.	Mud Chlorides:	79, 000 ppm
Water Depth:	585.0 m	Mud Fluid Loss:	3.8 cc
RT Elevation:	21.5 m	Bit Type:	n/a wireline logging

OPERATIONS SUMMARY

24 HOUR SUMMARY

00:00 - 24:00:

Reached TD 3758.0 mMDRT at 24:00 hrs on the 6-01-06. Pulled out to wipe/re-log section from 3575.0 – 3630.0 mMDRT with LWD tools. POOH. Remove nuclear sources from LWD, down load data and lay out LWD tools. Rig up for wireline logging. Run into the hole, Run (1) PEX-HALS-DSI-GR.

06:00 Update

Commence rigging up tools for Wireline Run (2) VSI-4-GR.

NEXT 24 HOURS:

Continue wireline logging program. Run (2) VSI-4

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT	Description
No drilling	

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
No drilling	

GAS SUMMARY:

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	C5 (ppm)
No drilling							

▪ SURVEYS

MD	ANGLE	Azi		MD	ANGLE	Azi		
2743.83	3.80	42.10		3375.03	3.69	54.03		
2772.65	3.83	43.73		3404.40	3.54	54.90		
2801.66	3.84	42.76		3432.80	3.59	51.96		
2830.44	3.89	43.81		3461.32	3.48	51.53		
2859.14	3.95	44.31		3490.24	3.38	50.31		
2887.70	3.86	45.65		3519.26	3.32	50.11		
2916.43	3.87	45.26		3547.59	3.32	49.95		
2944.96	3.83	45.79		3555.34	3.36	53.74		
2973.53	3.73	46.71		3583.83	3.00	50.85		
3002.19	3.72	46.75		3641.38	2.98	50.16		
3059.49	3.72	46.57		3758.00	2.98	50.16	Projected	
3088.21	3.81	46.46						
3116.08	3.75	45.37						
3145.07	3.74	48.33						
3173.79	3.67	49.59						
3202.65	3.71	48.97						
3231.77	3.53	48.2						
3260.37	3.66	49.86						
3346.36	3.65	50.41						
3375.03	3.69	54.03						

▪ WIRELINE SUMMARY:

Operations Diary					Culverin-1
Date	From	To	Total	NPT (w/o)	Remarks
					Weak Point Used: 6700-7300 lbs (Blue)
7/Jan/06	19:30	19:45	0:15		JSA on rig floor. Tide 0.5m
	19:45	20:35	0:50		Pick up sheaves (delay with rig compensator sheave).
	20:35	21:15	0:40		Pick up tools.
	21:15	21:33	0:18		Load sources.(Run in hole).
	21:33	22:23	0:50		RIH to casing shoe. (Compensate on the way at 100m).
	22:23	23:30	1:07		RIH (Record down-log as precaution but at higher speed-8000ft/hr).
8/Jan/06	23:30	0:10	0:40		Repeat section at 1800ft/hr. (Put on depth.) stretch correction 2.0m
	0:10	2:08	1:58		Log Main-pass from TD (3757m wireline) 1800ft/hr at high-res (On depth). Stretch correction 2.2m
	2:08	3:35	1:27		Log up at 3478ft/hr with standard res from 2775m
	3:35	4:30	0:55		GR to seafloor from 1511m (340mm casing shoe).
	4:30	4:55	0:25		POOH to surface.
	4:55	5:15	0:20		Unload sources.
	5:15	6:00	0:45		Rig down tools. Thermometers 87.8C, 88.9C, 88.9C

▪ WELLSITE GEOLOGISTS:

Mike Woodmansee

Rob Blackmore

▪ FORMATION TOPS

WD = 585.0 m RTE = 21.5 m								
FORMATION	PROGNOSED DEPTHS (m)			ACTUAL DEPTHS (m)				
	MDKB	TVDSS	THICK	MDKB	TVDSS	HI/LO	THICK	DIFF
Sea Floor/ Gippsland Limestone	607.0	585.0	1975.0	606.5	585.0	0.0	1899.9	0.0
Lakes Entrance	2582.0	2560.0	325.0	2508.0	2484.9	75.1 H	315.1	-10.0
Latrobe	2907.0	2885.0	30.0	2824.0	2800.0	85.0 H	11.0	-19.0
Base TF Channel	2937.0	2915.0	10.0	2835.0	2811.0	104.0 H	1.0	-8.0
Top 67.5 Ma Sand	2947.0	2925.0	310.0	2836.0	2812.0	113.0 H	266.5	-43.5
Near 68.5 Ma Sand	3257.0	3235.0	226.0	3103.0	3078.5	156.5 H	374.3	-148.3
Near 70.3 Ma Sand	3482.5	3461.0		3478.0	3452.8	8.2 H	-	-
Near 74 Ma Sand	Not prog	-	-	-	-	-	-	-
TD	3612.0	3590.0	-	3758.0	3732.4	-	-	-