



Manta 2a

Date : 05 Feb 2006

Geology Report Number : 10

(associated DDR # 14)

Well Details

Depth MDRT:	2,715.0m	Rig:	OCEAN PATRIOT	Date:	05 Feb 2006
Depth TVDBRT:	2,536.1m	RTE amsl:	21.5m	Report Start:	00:00
Depth TVDSS:	2,514.6m	GLE amsl:	133.3m	Report End:	24:00
Progress:	0.0m	Last Csg Size:	13.375in	Days On Location:	13.10
Hole Size:	12.250in	Last Csg Shoe:	948.5m	Days since Spud:	13.19
Hole Size Carbide:		F.I.T. / L.O.T.:	/ 14.50ppg		

Operations Summary

24hr Summary:	Circulated hole clean. Performed wiper trip from 2715.0 mMDRT to 2060.0 mMDRT, 10 - 70 klbs overpull. RIH and circulated hole clean. POOH. RIH and retrieved wear-bushing. Rigged up and commenced running 244 mm (9 5/8") casing.
Forward Plan:	Land and cement 244mm (9 5/8") casing. POOH landing string. Run wear bushing. Pick up 216mm (8 1/2") BHA and test. RIH.

WBM Data

Mud Type:	KCL/PHPA	Flowline Temp:	Cl:	40000mg/l	Low Gravity Solids:	Viscosity	72sec/qt
Sample From:	Pits	MWD Circ Temp:	Hard/Ca:	200mg/l	High Gravity Solids:	PV	20cp
Time:	2100	Glycol CP Temp:	MBT:	10	Solids (corrected):	YP	43lb/100ft ²
Weight:	9.70ppg	Glycol:	PM:	0.25	H2O:	Gels 10s	9
ECD TD:		Nitrates:	PF:	0.05	Oil:	Gels 10m	15
ECD Shoe:		Sulphites:	MF:	0.7	Sand:	Fann 003	8
ECD Cuttings:		API FL:	pH:	9	Barite:	Fann 006	11
KCl Equiv:	7%	API Cake:	PHPA Excess:			Fann 100	39
						Fann 200	52
						Fann 300	63
						Fann 600	83

Formation Tops

Formation	Prognosed		Actual		Diff. + / - TVD	Thickness MD	Pick Criteria
	MDRT	TVDSS	MDRT	TVDSS			
Sea Foor Gippsland Limestone	155.80m	134.30m	156.00m	134.50m	0.20m	1,476.00m	
Lakes Entrance Formation	1,625.90m	1,519.00m	1,632.00m	1,522.72m	3.72m	453.00m	LWD logs
Latrobe Group	2,081.40m	1,939.00m	2,085.00m	1,936.60m	-2.40m	90.00m	LWD and Samples
Base Tuna flounder Channel	2,171.40m	2,022.00m	2,175.00m	2,018.00m	-4.00m	410.00m	LWD and Samples
K2 Dolomite Sand Marker	2,578.00m	2,397.00m	2,585.00m	2,395.00m	-2.00m	0.00m	LWD and ROP
Ma2 Dolomitic Sand Marker	2,710.40m	2,518.00m					
Top Zone 2 Sand	2,784.80m	2,585.00m					
Top Zone 4 Sand	2,834.70m	2,630.00m					
Top Zone 7 Upper Sand	2,923.50m	2,710.00m					
Top Zone 7 Lower Sand	2,940.20m	2,725.00m					
Top Volcanics Unit 1	3,034.60m	2,810.00m					
Total Depth (TD)	3,101.60m	2,870.40m					



06:00 Hrs Update

Time:	06:00 Hrs on 06 Feb 2006
Depth:	2715/2536
Progress Since Midnight:	0
Drilling Status:	Running 244mm (9 5/8") casing @1790m
Formation:	No drilling.
Lithology:	No drilling.
ROP:	No drilling.
Gas:	No drilling.

Wellsite Geologist(s)

(Days) - Rob Blackmore

(Nights) - Mike Woodmansee