



Manta 2a

Date : 12 Feb 2006

Geology Report Number : 17

(associated DDR # 21)

Well Details

Depth MDRT:	3,113.0m	Rig:	OCEAN PATRIOT	Date:	12 Feb 2006
Depth TVDBRT:	2,895.5m	RTE amsl:	21.5m	Report Start:	00:00
Depth TVDSS:	2,874.0m	GLE amsl:	133.3m	Report End:	24:00
Progress:	0.0m	Last Csg Size:	7.000in	Days On Location:	20.08
Hole Size:		Last Csg Shoe:	2,892.8m	Days since Spud:	20.19
Hole Size Carbide:		F.I.T. / L.O.T.:	13.50ppg /		

Operations Summary

24hr Summary:	RIH with 177.8 mm (7") liner. Circulated liner and set hanger. Cemented liner. Set ZXP packer and pressure tested to 4500 psi. FINAL DAILY GEOLOGICAL REPORT FOR MANTA-2A
Forward Plan:	POOH, lay down liner running tool. Pressure test BOPs

WBM Data

Mud Type:	KCL/PHPA	Flowline Temp:	Cl:	35000mg/l	Low Gravity Solids:	Viscosity	87sec/qt
Sample From:	Pits	MWD Circ Temp:	Hard/Ca:	200mg/l	High Gravity Solids:	PV	18cp
Time:	20:00	Glycol CP Temp:	MBT:	5	Solids (corrected):	YP	31lb/100ft ²
Weight:	9.30ppg	Glycol:	PM:	0.1	H2O:	Gels 10s	8
ECD TD:		Nitrates:	PF:	0.02	Oil:	Gels 10m	12
ECD Shoe:		Sulphites:	MF:	0.6	Sand:	Fann 003	7
ECD Cuttings:		API FL:	pH:	8.5	Barite:	Fann 006	9
KCl Equiv:	6%	API Cake:	PHPA Excess:			Fann 100	29
						Fann 200	39
						Fann 300	49
						Fann 600	67

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	135.00m	LWD and ROP
Ma2 Dolomitic Sand Marker	2,710.40m	2,518.00m	2,720.00m	2,519.13m	1.13m	73.00m	LWD
Top Zone 2 Sand	2,784.80m	2,585.00m	2,793.00m	2,586.00m	1.00m	52.00m	LWD
Top Zone 4 Sand	2,834.70m	2,630.00m	2,845.00m	2,633.50m	3.50m	82.50m	LWD
Top Zone 7 Upper Sand	2,923.50m	2,710.00m	2,927.50m	2,708.30m	-1.70m	18.50m	LWD
Top Zone 7 Lower Sand	2,940.20m	2,725.00m	2,946.00m	2,725.00m	0.00m	100.00m	LWD
Top Volcanics Unit 1	3,034.60m	2,810.00m	3,046.00m	2,814.80m	4.80m	67.00m	LWD & cuttings
Total Depth (TD)	3,101.60m	2,870.40m					

**Oil Shows**

From	To	Formation	Lithology	White Light			UV Light			Rating
				Stain	Cut	Residue	Fluor.	Cut Fluor.	Residue	
2795.00m	2800.00m			None	None	None	Yellowish-white	Blue-white	Yellow-white ring	Poor
2800.00m	2805.00m			None	None	None	Pale Yellow	Blue-white	Yellow-white	Poor
2805.00m	2810.00m			None	None	None	Bright-Yellow	Blue-White	Yellow-White	Moderate
2845.00m	2850.00m						light green	green / cream	green cream	moderate
2945.00m	2965.00m						cream / light green	cream / light green	dull yellow	Good
3000.00m	3030.00m						green	green	dull cream	good
3030.00m	3045.00m						yellow-white	yellow-green	dull cream-yellow	moderate

06:00 Hrs Update

Time:	06:00 Hrs on 13 Feb 2006
Depth:	3113/2895.5
Progress Since Midnight:	0
Drilling Status:	laying out Baker cementing head
Formation:	No drilling.
Lithology:	No drilling.
ROP:	No drilling.
Gas:	No drilling.

Wellsite Geologist(s)

(Days) - Rob Blackmore

(Nights) - Mike Woodmansee