

**DRILLING MORNING REPORT # 6****Manta 2a**

28 Jan 2006

From: Simon Rodda/Webby  
To: John Ah-Cann

Well Data							
Country	Australia	MDBRT	1,250.0m	Cur. Hole Size	12.250in	AFE Cost	\$21,712,149
Field	Basker and Manta	TVDBRT	1,191.5m	Last Casing OD	13.375in	AFE No.	3426-1310
Drill Co.	DOGC	Progress	256.0m	Shoe TVDBRT	948.5m	Daily Cost	\$0
Rig	OCEAN PATRIOT	Days from spud	5.19	Shoe MDBRT	984.5m	Cum Cost	\$2,806,586
Wtr Dpth(LAT)	133.3m	Days on well	5.10	FIT/LOT:	/ 14.50ppg	Days Since Last LTI	986
RT-ASL(LAT)	21.5m	Planned TD MD	3,120.0m				
RT-ML	154.8m	Planned TD TVDRT	2,892.0m				
Current Op @ 0600		POOH to change out failed Geo-Pilot rotary steerable tool.					
Planned Op		Change out failed Geo-Pilot and run in hole and continue to drill 311mm (12 1/4") hole from 1272m MDRT.					

Summary of Period 0000 to 2400 Hrs
Lay out excess BHA and pick up 311mm (12 1/4") BHA. Test and RIH, function test BOP's and divertor system. RIH and tag cement @963m MDRT.

**Operations For Period 0000 Hrs to 2400 Hrs on 28 Jan 2006**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
SH	P	HBHA	0000	0330	3.50	994.0m	Continue to lay out 445mm (17 1/2") BHA, lay out 914mm (36") hole opener.
IH	P	HBHA	0330	0500	1.50	994.0m	Pick up 311mm (12 1/4") Geo-Pilot BHA.
IH	P	HBHA	0500	0600	1.00	994.0m	Sperry-Sun connect to MWD and up-link.
IH	P	HBHA	0600	0630	0.50	994.0m	Continue to pick up 311mm (12 1/4") BHA.
IH	P	OA	0630	0800	1.50	994.0m	Attempt to shallow test MWD- unable to establish any stand pipe pressure. Found valve on Geo-sp;an unit open. Line up and shallow test MWD ok.
IH	P	TI	0800	0900	1.00	994.0m	RIH on drill pipe to 430m MDRT.
IH	P	BOP	0900	1000	1.00	994.0m	Function test Divertor and pump through port and starboard overboard lines. Function test BOP's with Yellow pod from rig floor and Blue pod from Kooomey room.
IH	P	TI	1000	1130	1.50	994.0m	Continue to RIH from 430m MDRT to 963m MDRT and tag cement with 5klbs.
IH	P	OA	1130	1200	0.50	994.0m	Commence circulating and break in Geo_pilot seals as per Sperry_sun procedures
IH	P	DFS	1200	1400	2.00	994.0m	Drill cement and shoe track from 963m to 994m MDRT with Sea water and PHG sweeps.
IH	P	DA	1400	1500	1.00	997.0m	Drill 3m of new formation from 994m to 997m MDRT while displacing well to 9ppg PHPA/KCL mud.
IH	P	LOT	1500	1600	1.00	997.0m	Pull back inside shoe at 984m and perform a LOT , 900psi/ 9ppg mud/ 14.5ppg EMW
IH	P	DA	1600	2400	8.00	1,250.0m	Drill 311mm (12 1/4") hole from 997m to 1250m MDRT. 18-20klbs WOB/ 120rpm/ 2100psi/ 1020gpm/ 8-10,000 ftlbs torque. String wt 220klbs up/ 210klbs rotating/ 190klbs down. Maximum gas 171.8 units @1223m. @1240.54m/ 22.58 incl/ 45.56 azimuth/ 1184.14 m TVD MDRT

**Operations For Period 0000 Hrs to 0600 Hrs on 29 Jan 2006**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	TP (RE)	RR	0000	0030	0.50	1,250.0m	Re-install top drive saver sub after it backed out during a routine connection.
IH	P	TO	0030	0100	0.50	1,264.0m	Drill 311mm (12 1/4") hole from 1250m to 1264m MDRT. 18-20klbs WOB/ 120rpm/ 2100psi/ 1020gpm/ 8-10,000 ftlbs torque. String wt 220klbs up/ 210klbs rotating/ 190klbs down.
IH	TP (DTF)	DA	0100	0200	1.00	1,264.0m	Perform diagnostics checks on Geo-Pilot down hole tool after failure to down link and change settings.
IH	P	TO	0200	0230	0.50	1,272.0m	Drill 311mm (12 1/4") hole from 1264m to 1272m MDRT. 18-20klbs WOB/ 120rpm/ 2100psi/ 1020gpm/ 8-10,000 ftlbs torque. String wt 220klbs up/ 210klbs rotating/ 190klbs down.
IH	P	DA	0230	0300	0.50	1,272.0m	Circulate hole clean, take slow circulation rates, flow check well, ok.
IH	P	TO	0300	0600	3.00	1,272.0m	POOH from 1272m MDRT, no hole problems observed, hole took correct displacement fluid.



Phase Data to 2400hrs, 28 Jan 2006						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
CONDUCTOR HOLE(CH)	5	23 Jan 2006	23 Jan 2006	5.00	0.208	189.0m
CONDUCTOR CASING(CC)	10.5	23 Jan 2006	24 Jan 2006	15.50	0.646	189.0m
SURFACE CASING(SC)	23.5	24 Jan 2006	26 Jan 2006	39.00	1.625	994.0m
RISER AND BOP STACK(BOP)	18	27 Jan 2006	27 Jan 2006	57.00	2.375	994.0m
SURFACE HOLE(SH)	40.5	24 Jan 2006	28 Jan 2006	97.50	4.062	994.0m
INTERMEDIATE HOLE(IH)	25	27 Jan 2006	28 Jan 2006	122.50	5.104	1,250.0m

WBM Data		Cost Today \$ 5203							
Mud Type:	KCL/PHPA	API FL:	7.4cc/30min	Cl:	41000mg/l	Solids(%vol):	7%	Viscosity	55sec/qt
Sample-From:	Pits	Filter-Cake:	1/32nd"	K+C*1000:	8%	H2O:	93%	PV	12cp
Time:	2220	HTHP-FL:		Hard/Ca:	320mg/l	Oil(%):		YP	16lb/100ft²
Weight:	9.45ppg	HTHP-cake:		MBT:	8	Sand:	1	Gels 10s	5
Temp:	36C°			PM:		pH:	9	Gels 10m	11
				PF:	0.05	PHPA:	1ppb	Fann 003	4
Comment	Mixed KCL/PHPA mud and weighed up to 9.3ppg.							Fann 006	5
								Fann 100	17
								Fann 200	23
								Fann 300	28
								Fann 600	40

Bit # 3				Wear	I	O1	D	L	B	G	O2	R
Bitwear Comments:												
Size ("):	12.250in	IADC#	M433	Nozzles		Drilled over last 24 hrs		Calculated over Bit Run				
Mfr:	REED HYCALOG	WOB(avg)	18.80klb	No.	Size	Progress	256.0m	Cum. Progress		256.0m		
Type:	PDC	RPM(avg)	120			On Bottom Hrs	7.3h	Cum. On Btm Hrs		7.3h		
Serial No.:	209514	F.Rate	24.10bpm			IADC Drill Hrs	8.0h	Cum IADC Drill Hrs		8.0h		
Bit Model	RSX162	SPP	2100psi			Total Revs	60	Cum Total Revs		60		
Depth In	994.0m	HSI				ROP(avg)	35.07 m/hr	ROP(avg)		35.07 m/hr		
Depth Out		TFA	1.841									
Bit Comment												

BHA # 3						
Weight(Wet)	55.00klb	Length	249.2m	Torque(max)	12000ft-lbs	D.C. (1) Ann Velocity
Wt Below Jar(Wet)	22.00klb	String	210.00klb	Torque(Off.Btm)	4000ft-lbs	D.C. (2) Ann Velocity
Drilling Jar Hours		Pick-Up	220.00klb	Torque(On.Btm)	9000ft-lbs	H.W.D.P. Ann Velocity
		Slack-Off	190.00klb			D.P. Ann Velocity

BHA Run Description

BHA Run Comment

Equipment	Length	OD	ID	Top Conn	Serial #	Comment
Bit	0.59m	12.250in			209514	
Geo_Pilot	6.62m	9.500in	3.000in		GPTL044	12 1/16" OD gauge on sleeve stab.
Non-Mag Flex collar	2.80m	7.938in	3.000in		CP1015763	
DGR-EWD-PWD-XHCIM	8.61m	8.000in			90087662	12 3/16" OD gauge on stab. sleeve
HOC	3.11m	8.000in			10645035	
Float Sub	0.72m	7.812in	3.000in		718245	
8in DC	18.17m	8.000in	2.875in			
Drilling Jars	9.69m	8.250in	3.000in		36880C	
Pony DC	4.59m	8.000in	3.000in		A502	
X/O	1.17m	6.625in	3.000in		1750-1	
5in HWDP	193.09m	5.000in	3.000in			



Survey								
MD (m)	Incl (deg)	Azim (deg)	TVD (m)	Vsec (deg)	N/S (m)	E/W (m)	DLS (deg/30m)	Tool Type
1010.83	22.9	43.3	973.42	201.6	147.3	142.1	0.7	MWD
1039.58	23.0	44.5	999.90	212.6	155.4	149.8	0.6	MWD
1068.24	23.3	45.5	1026.25	223.8	163.4	157.8	0.5	MWD
1097.00	23.7	46.5	1052.63	235.1	171.3	166.1	0.6	MWD
1125.66	23.8	47.0	1078.87	246.6	179.2	174.4	0.3	MWD
1154.22	24.0	47.2	1104.98	258.1	179.2	174.4	0.3	MWD
1182.99	23.7	46.4	1131.29	258.1	187.1	182.9	0.2	MWD
1211.78	23.5	46.4	1157.68	281.0	203.0	199.8	0.3	MWD
1240.54	22.6	47.0	1184.14	292.2	210.7	207.9	0.9	MWD
1258.13	20.8	45.6	1200.49	298.6	215.2	212.7	3.1	MWD

Bulk Stocks					
Name	Unit	In	Used	Adjust	Balance
Barite Bulk	MT		7.98		135.0
Bentonite Bulk	MT		0		34.6
Diesel	m3		16.2	0	259.8
Fresh Water	m3	28.9	30	0	193.4
Drill Water	m3	0	30.1	0	731.9
Cement G	MT	0	0		79.3

Pumps																	
Pump Data - Last 24 Hrs									Slow Pump Data								
No.	Type	Liner (in)	MW (ppg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (bpm)	Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1 (bpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (bpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (bpm)
1	A1700PT	6.000	8.60	97	80	2100	8.03	1250.0	30	160	3.00	40	225	4.00	50	265	5.00
2	12P 160	6.000	8.60	97	80	2100	8.03	1250.0	30	175		40	210		50	260	
3	12P160	6.000	8.60	97	80	2100	8.03										

Casing					
OD (in)	Csg Shoe MD (m)	Csg Shoe TVD (m)	Csg Landing Depth MD (m)	Csg Landing Depth TVD (m)	LOT/FIT (ppg)
30 "	187.22	187.22		152.83	
13 3/8"	984.53	948.47	151.96	151.96	

Personnel On Board		
Company	Pax	Comment
ANZON AUSTRALIA LIMITED	5	
DOGC	50	
HALLIBURTON AUSTRALIA PTY LTD - SPERRY SUN	6	
DOWELL SCHLUMBERGER	2	
GEOSERVICES OVERSEAS S.A.	6	
M-1 AUSTRALIA PTY LTD	4	2 x operators, 1 x trainee, 1 x shaker hand.
FUGRO SURVEY LTD	3	3 x Fugro ROV,
CAMERON AUSTRALIA PTY LTD	1	
ESS	8	
<b>Total</b>	<b>85</b>	

HSE Summary				
Events	Date of last	Days Since	Descr.	Remarks
Abandon Drill	22 Jan 2006	6 Days		
Fire Drill	22 Jan 2006	6 Days		
JSA	28 Jan 2006	0 Days	Drill crew=7, Deck=10,	
Man Overboard Drill	22 Jan 2006	6 Days		
STOP Card	28 Jan 2006	0 Days	Safe= 9 Un-safe=3	



Shakers, Volumes and Losses Data						
Available	1,920bbl	Losses	139bbl	Equip.	Descr.	Mesh Size
Active	686bbl	Equipment	109bbl	Shaker1	VSM 100	4 x 120
Hole	686bbl	Dumped	30bbl	Shaker2	VSM 100	2 x 52, 2 x 84
Reserve	548bbl			Shaker3	VSM 100	4 x 84
				Shaker4	BEM650	4 x 120

Marine									
Weather on 28 Jan 2006							Rig Support		
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)
5.0nm	0kn	0.0deg	1,012.0mbar	20C°	0.0m	0.0deg		1	187.0
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments		2	
224.0deg	120.00klb	4,102.00klb	1.0m	45.0deg				3	170.0
Comments								4	170.0
								5	247.0
								6	209.0
								7	251.0
								8	243.0

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Far Grip			Melbourne	Item	Unit	Used	Quantity
				Diesel	m3		0
Fresh Water	m3		0				
Drill Water	m3		0				
Cement G	mt		0				
Bentonite Bulk	mt		0				
Pacific Wrangler			On location	Item	Unit	Used	Quantity
				Diesel	m3		427.6
Fresh Water	m3		173				
Drill Water	m3		0				
Cement G	mt		0				
Cement HT (Silica)	mt		0				
Barite Bulk	mt		28				
Bentonite Bulk	mt		43				

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1044 / 1410	5 / 8	