

**DRILLING MORNING REPORT # 9****Manta 2a**

31 Jan 2006

From: Simon Rodda/ Bryan Webb  
To: John Ah-Cann

Well Data							
Country	Australia	MDBRT	2,360.0m	Cur. Hole Size	12.250in	AFE Cost	\$21,712,149
Field	Basker and Manta	TVDBRT	2,209.8m	Last Casing OD	13.375in	AFE No.	
Drill Co.	DOGC	Progress	97.0m	Shoe TVDBRT	948.5m	Daily Cost	\$0
Rig	OCEAN PATRIOT	Days from spud	8.19	Shoe MDBRT	984.5m	Cum Cost	\$3,736,228
Wtr Dpth(LAT)	133.3m	Days on well	8.10	FIT/LOT:	/ 14.50ppg	Days Since Last LTI	990
RT-ASL(LAT)	21.5m	Planned TD MD	3,120.0m				
RT-ML	154.8m	Planned TD TVDRT	2,892.0m				
Current Op @ 0600		Continue with Top Drive motor change out.					
Planned Op		Complete Top Drive motor change out. RIH to 2360m MDRT and continue to drill 311mm (12 1/4") hole.					

**Summary of Period 0000 to 2400 Hrs**

Drill 311mm (12 1/4") from 2263m MDRT to 2360m MDRT. Top Drive motor failed during routine drilling. Circulate hole clean and pull to casing shoe @984m to carry out repairs. Commence TDS motor change out.

**Operations For Period 0000 Hrs to 2400 Hrs on 31 Jan 2006**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	P	DA	0000	0230	2.50	2,360.0m	Drill 311mm (12 1/4") hole from 2263m MDRT to 2360m MDRT. 10-18klbs WOB/ 120rpm/ 3400psi/ 1018gpm/ 12-18,000 ftlbs torque. String wt 300klbs up/ 255klbs rotating/ 250klbs down. Average ROP 38.8mhr
IH	TP (RE)	CHC	0230	0500	2.50	2,360.0m	Top Drive failure. Rack back one stand and rig up circulating hose to string and work while trouble shooting problem. Circulate bottoms up and boost riser. Top drive motor appears top be the fault on initial findings.
IH	TP (RE)	TO	0500	0930	4.50	2,360.0m	Decision made to trip to shoe to make repairs to Top Drive. POOH from 2360m MDRT to 970m MDRT. Hole took correct fluid displacement while tripping. 35-45klbs overpull observed between 2150m and 2139m MDRT. Pipe worked and on second pass no drag observed.
IH	TP (RE)	CHC	0930	1000	0.50	2,360.0m	Rig up circulating swedge and circulate hole clean while boosting riser.
IH	TP (RE)	RR	1000	1030	0.50	2,360.0m	Install pup joint to space out tool joint in BOPs clear of pipe rams. Install TIW valve on string.
IH	TP (RE)	RR	1030	1200	1.50	2,360.0m	Rig down elevators and bails, break out saver sub and lower IBOP.
IH	TP (RE)	RR	1200	2400	12.00	2,360.0m	Remove pipe handler, support lower travelling block carriage on dolly track stops. Remove blower hose, counter balance cylinders, becket pin. Install long slings for removing TDS motor with upper carriage. Remove oil cooler, disconnect electrics. Knock out locating dowell pins and remove the 4 mounting bolts.

**Operations For Period 0000 Hrs to 0600 Hrs on 01 Feb 2006**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	TP (RE)	RR	0000	0600	6.00	2,360.0m	Continue with Top Drive motor change out. Failed unit out @0130hrs.

**Phase Data to 2400hrs, 31 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)	97	27 Jan 2006	31 Jan 2006	194.50	8.104	2,360.0m



WBM Data		Cost Today \$ 21304							
Mud Type:	KCL/PHPA	API FL:	4.4cc/30min	Cl:	42000mg/l	Solids(%vol):	10%	Viscosity	65sec/qt
Sample-From:	Pits	Filter-Cake:	1/32nd"	K+C*1000:	8%	H2O:	90%	PV	16cp
Time:	1800	HTHP-FL:	12.8cc/30min	Hard/Ca:	376mg/l	Oil(%):		YP	37lb/100ft²
Weight:	9.65ppg	HTHP-cake:	1/32nd"	MBT:	9	Sand:	1	Gels 10s	6
Temp:				PM:	0.3	pH:	9	Gels 10m	10
				PF:	0.05	PHPA:	2ppb	Fann 003	6
								Fann 006	8
								Fann 100	30
								Fann 200	41
								Fann 300	53
								Fann 600	69
Comment		Inhibited mud while circulating for Top Drive motor change out incase delays caused mud down hole to deteriorate.							

Bit # 3RR1				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)	12.00klb	No.	Size	Progress	97.0m	Cum. Progress	1,088.0m			
Type:	PDC	RPM(avg)	120	6	20/32nd"	On Bottom Hrs	1.5h	Cum. On Btm Hrs	20.4h			
Serial No.:	209514	F.Rate	24.40bpm			IADC Drill Hrs	2.5h	Cum IADC Drill Hrs	34.0h			
Bit Model	RSX162	SPP	3400psi			Total Revs	16	Cum Total Revs	208			
Depth In	1,272.0m	HSI				ROP(avg)	64.67 m/hr	ROP(avg)	53.33 m/hr			
Depth Out		TFA	1.841									
Bit Comment												

BHA # 4						
Weight(Wet)	55.00klb	Length	249.2m	Torque(max)	18000ft-lbs	D.C. (1) Ann Velocity
Wt Below Jar(Wet)	22.00klb	String	255.00klb	Torque(Off.Btm)	8000ft-lbs	D.C. (2) Ann Velocity
Drilling Jar Hours		Pick-Up	300.00klb	Torque(On.Btm)	12000ft-lbs	H.W.D.P. Ann Velocity
		Slack-Off	250.00klb			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			

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	



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Geo_Pilot	6.62m	9.500in	3.000in		GPTL044	12 1/16" OD gauge on sleeve stab.
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**Survey**

MD (m)	Incl (deg)	Azim (deg)	TVD (m)	Vsec (deg)	N-S (m)	E-W (m)	DLS (deg/30m)	Tool Type
967.12	23.2	44.4	933.21	184.7	135.1	130.1	0.4	MWD
1842.82	23.7	44.5	1737.20	527.5	378.5	376.8	0.6	MWD
1871.34	23.9	45.0	1763.29	538.8	386.6	384.9	0.3	MWD
1928.76	23.9	44.0	1815.83	561.7	403.3	401.0	0.3	MWD
1957.43	24.1	43.9	1842.02	573.1	411.7	409.1	0.2	MWD
1986.12	24.4	43.9	1868.18	584.7	420.2	417.2	0.3	MWD
2043.47	24.5	45.5	1920.36	608.3	436.9	434.2	0.2	MWD
2072.10	24.4	47.7	1946.42	620.0	445.1	442.8	1.0	MWD
2301.56	22.3	45.3	2155.89	712.4	519.3	516.6	0.5	MWD
2330.20	23.0	44.0	2182.32	723.4	519.3	516.6	0.9	MWD

**Bulk Stocks**

Name	Unit	In	Used	Adjust	Balance
Barite Bulk	MT	0	0		154.1
Bentonite Bulk	MT		0		34.6
Diesel	m3	200	26.8	0	395.2
Fresh Water	m3	25	26.9	0	174.2
Drill Water	m3	610	164.8	0	900.3
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	3400	8.03	2226.0	30	320	3.00	40	420	4.00	50	480	5.00
2	12P 160	6.000	8.60	97	80	3400	8.03	2226.0	30	340	3.00	40	400	4.00	50	490	5.00
3	12P160	6.000	8.60	97	80	3400	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	14.50

**Personnel On Board**

Company	Pax	Comment
ANZON AUSTRALIA LIMITED	5	
DOGC	49	
HALLIBURTON AUSTRALIA PTY LTD - SPERRY SUN	5	
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,
ESS	8	



Personnel On Board		
Total	82	

HSE Summary					
Events	Date of last	Days Since	Descr.	Remarks	
Last BOP Test	27 Jan 2006				
Abandon Drill	29 Jan 2006	2 Days			
Fire Drill	29 Jan 2006	2 Days			
JSA	31 Jan 2006	0 Days	Drill crew=4, Deck=9,Mech=1		
Man Overboard Drill	29 Jan 2006	2 Days			
STOP Card	31 Jan 2006	0 Days	Safe= 1 Un-safe=3		

Shakers, Volumes and Losses Data						
Available	2,468bbbl	Losses	176bbbl	Equip.	Descr.	Mesh Size
Active	502.3bbbl	Equipment	70bbbl	Shaker1	VSM 100	4x84
Hole	1,212.7bbbl	Dumped	81bbbl	Shaker2	VSM 100	1x120, 1x145, 2 x165
Reserve	753bbbl	Desilter	25bbbl	Shaker3	VSM 100	1x120,1x165, 2 x 145
				Shaker4	BEM650	4 x 120

Marine									
Weather on 31 Jan 2006							Rig Support		
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)
10.0nm	20kn	90.0deg	1,013.0mbar	16C°	1.0m	90.0deg		1	163.0
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments		2	134.0
224.0deg	420.00klb	4,779.00klb	2.5m	90.0deg				3	181.0
Comments							4	159.0	
							5	280.0	
							6	236.0	
							7	245.0	
							8	262.0	

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Item	Unit	Used	Quantity				
Far Grip				Diesel	m3		250
				Fresh Water	m3		290
				Drill Water	m3		0
				Cement G	mt		0
				Bentonite Bulk	mt		0
Departed for Crystal Ocean @1300hrs Diesel 459m3 Back on location @ 2030hrs Diesel 255m3							
Pacific Wrangler			On location	Diesel	m3		395.3
				Fresh Water	m3		158
				Drill Water	m3		0
				Cement G	mt		0
				Cement HT (Silica)	mt		0
				Barite Bulk	mt		0
				Bentonite Bulk	mt		43

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	0935 / 1010	10 / 10	Re-fuel =759ltrs