

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

24 Jan 2006

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

Well Data							
Country	Australia	MDBRT	510.0m	Cur. Hole Size	17.500in	AFE Cost	\$21,712,149
Field	Basker and Manta	TVDBRT	508.0m	Last Casing OD	30.000in	AFE No.	3426-1310
Drill Co.	DOGC	Progress	321.0m	Shoe TVDBRT	187.2m	Daily Cost	\$690,769
Rig	OCEAN PATRIOT	Days from spud	1.19	Shoe MDBRT	187.2m	Cum Cost	\$893,632
Wtr Dpth(LAT)	134.1m	Days on well	1.31	FIT/LOT:	/	Days Since Last LTI	983
RT-ASL(LAT)	21.5m	Planned TD MD	3,120.0m				
RT-ML	155.6m	Planned TD TVDRT	2,892.0m				
Current Op @ 0600		Drilling 445mm (17 1/2") hole @652m MDRT					
Planned Op		Drill ahead to section TD 1073m MDRT.					

Summary of Period 0000 to 2400 Hrs
Run and cement 762mm(30") casing. Wait on cement 4hrs. POOH. Make up 445mm (17 1/2") BHA, RIH and drill 445mm (17 1/2") hole from 189m MDRT to 510m MDRT.

Operations For Period 0000 Hrs to 2400 Hrs on 24 Jan 2006							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
CC	P	CRN	0000	0330	3.50	189.0m	Continue to make up 30" casing/ Hsg joint. Run 30" and make up to PGB. Install guide lines and run to water line. Fill casing and close ball valve. Stab 30" and run in hole to a shoe depth 187.22m MDRT. RGB slope indicators 2 x bullseyes
CC	P	CHC	0330	0400	0.50	189.0m	Circulate 90 bbls sea water. Rig up cement lines.
CC	P	CMC	0400	0500	1.00	189.0m	Pump 10bbls of sea water, test lines to 2000psi, pump 10bbls of sea water. Mix and pump 177bbls of 15.8ppg cement slurry and displace. RGB slope indicators 2 x bullseyes
SC	P	WOC	0500	0900	4.00	189.0m	Wait on surface samples to set. Test stand pipe manifold and mud pump room valves while waiting on cement 300/5000psi 5/5 minutes.
CC	P	TO	0900	1000	1.00	189.0m	Rig down cement line, release 762mm (30") C.A.R.T while observing with ROV. POOH and lay out tool.
CC	P	HT	1000	1100	1.00	189.0m	Make up Cameron 476mm (18 3/4") well head running tool and rack in derrick. make up second tool to pup joint and lay out same.
CC	P	HT	1100	1200	1.00	189.0m	Break down cement stand in derrick. Pick up loaded Dowell express head and rack in derrick.
SH	P	HBHA	1200	1530	3.50	189.0m	Make up directional 445mm (17 1/2") BHA. Shallow test MWD and motor, RIH on HWDP.
SH	P	DFS	1530	1630	1.00	189.0m	Tag top of cement at 182m, commence drilling cmt, 20" shoe and rat hole to 189m MDRT. Sweep hole and clean out shoe.
SH	P	CDD	1630	2400	7.50	510.0m	Drill 445mm (17 1/2") hole from 189m MDRT to 510m MDRT. Commenced directional kick off at 356m MDRT. 2-15 WOB/ 2-6000ftlbs torque/ 1090gpm/ 2400psi/ 100rpm/ 230rpmDH. Sweep hole with 30bbls 1/2 stand and 40bbls stand down. Average ROP including connection/survey time= 42.8mhr. @507.75m/ 14.58deg/ 48.48 azimuth/ 506.17m TVD.

Operations For Period 0000 Hrs to 0600 Hrs on 25 Jan 2006							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
SH	P	CDD	0000	0600	6.00	652.0m	Drill 445mm (17 1/2") hole from 510m MDRT to 652m MDRT. 15-20 WOB/ 3-4000ftlbs torque/ 1030gpm/ 2500psi/ 100rpm/ 230rpmDH String weights 200klbs up, 200klbs down, 200klbs rotating Sweep hole with 30bbls 1/2 stand and 40bbls stand down. Average ROP including connection/survey time= 23.66mhr. @622.89m/ 21.15deg/ 43.49 azimuth/ 615.33m TVD.

Phase Data to 2400hrs, 24 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



Phase Data to 2400hrs, 24 Jan 2006						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
CONDUCTOR CASING(CC)	10.5	23 Jan 2006	24 Jan 2006	15.50	0.646	189.0m
SURFACE CASING(SC)	4	24 Jan 2006	24 Jan 2006	19.50	0.812	189.0m
SURFACE HOLE(SH)	12	24 Jan 2006	24 Jan 2006	31.50	1.312	510.0m

WBM Data							Cost Today \$ 6527	
Mud Type:	PHG	API FL:	CI:	Solids(%vol):	Viscosity	120sec/qt		
Sample-From:	Pits	Filter-Cake:	K+C*1000:	H2O:	PV	9cp		
Time:	2200	HTHP-FL:	Hard/Ca:	Oil(%):	YP	58lb/100ft <sup>2</sup>		
Weight:	8.80ppg	HTHP-cake:	MBT:	Sand:	Gels 10s			
Temp:			PM:	pH:	Gels 10m			
			PF:	PHPA:	Fann 003			
					Fann 006			
					Fann 100			
					Fann 200			
					Fann 300			
					Fann 600			
Comment	Continue to mix PHG as required. Mix Guar-Gum as required for midstand sweeps.							

Bit # 1				Wear	I	O1	D	L	B	G	O2	R
					1	1	BT	G	E	I	ER	TD
Bitwear Comments:												
Size ("):	17.500in	IADC#	1-1-5	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	HUGHES CHRISTENSEN	WOB(avg)	1.80klb	No.	Size	Progress	0.0m	Cum. Progress	33.0m			
Type:	Rock	RPM(avg)	100	4	22/32nd"	On Bottom Hrs	0.0h	Cum. On Btm Hrs	1.6h			
Serial No.:	6042349	F.Rate	23.80bpm			IADC Drill Hrs	0.0h	Cum IADC Drill Hrs	2.5h			
Bit Model	MXL-1	SPP	1200psi			Total Revs		Cum Total Revs	0			
Depth In	156.0m	HSI				ROP(avg)	N/A	ROP(avg)	20.62 m/hr			
Depth Out	189.0m	TFA	1.485									
Bit Comment	Rerun of Bit # 1 from Manta 2											

Bit # 2				Wear	I	O1	D	L	B	G	O2	R
Bitwear Comments:												
Size ("):	17.500in	IADC#	1-1-5	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	REED HYCALOG	WOB(avg)	7.00klb	No.	Size	Progress	321.0m	Cum. Progress	321.0m			
Type:	Rock	RPM(avg)	80	1	25/32nd"	On Bottom Hrs	5.1h	Cum. On Btm Hrs	5.1h			
Serial No.:	BA4543	F.Rate	25.90bpm	1	24/32nd"	IADC Drill Hrs	7.5h	Cum IADC Drill Hrs	7.5h			
Bit Model	T11C	SPP	2400psi	2	20/32nd"	Total Revs	85	Cum Total Revs	85			
Depth In	189.0m	HSI				ROP(avg)	62.94 m/hr	ROP(avg)	62.94 m/hr			
Depth Out		TFA	1.424									
Bit Comment												

BHA # 1						
Weight(Wet)	50.00klb	Length	189.0m	Torque(max)	2000ft-lbs	D.C. (1) Ann Velocity
Wt Below Jar(Wet)		String	150.00klb	Torque(Off.Btm)	1000ft-lbs	D.C. (2) Ann Velocity
Drilling Jar Hours		Pick-Up	150.00klb	Torque(On.Btm)	2000ft-lbs	H.W.D.P. Ann Velocity
		Slack-Off	150.00klb			D.P. Ann Velocity

BHA Run Description

BHA Run Comment

Equipment	Length	OD	ID	Top Conn	Serial #	Comment
Bit	0.41m	17.500in			6042349	!7 1/2" re-run bit
Hole Opener	2.42m	36.000in			710163	



Equipment	Length	OD	ID	Top Conn	Serial #	Comment
Float Sub	0.92m	9.500in	3.000in		186-0029	
Anderdrift	3.26m	9.500in	3.062in		ADB-928	
9.5in DC	27.29m	9.500in	3.000in			
X/O	1.17m	8.500in	2.750in		MSO-1940-01	
8in DC	17.88m	8.000in	3.000in			
X/O	1.17m	6.625in	2.750in		MSO-1940-02	
5in HWDP	134.48m	5.000in	3.000in			

**BHA # 2**

Weight(Wet)	70.00klb	Length	299.5m	Torque(max)	6000ft-lbs	D.C. (1) Ann Velocity
Wt Below Jar(Wet)	42.00klb	String	180.00klb	Torque(Off.Btm)	1000ft-lbs	D.C. (2) Ann Velocity
Drilling Jar Hours		Pick-Up	180.00klb	Torque(On.Btm)	2500ft-lbs	H.W.D.P. Ann Velocity
		Slack-Off	180.00klb			D.P. Ann Velocity

BHA Run Description

BHA Run Comment

Equipment	Length	OD	ID	Top Conn	Serial #	Comment
Bit	0.47m	17.500in			BA4543	
Mud Motor	8.61m	9.500in	2.250in		963212	17 1/4" gauge sleeve. 1.5deg bend
Float Sub	0.83m	9.500in	3.000in		A253	
Stab	2.50m	9.625in	3.000in		SBD2382	16 1/4" gauge
MWD	9.62m	9.688in	3.313in		46811	
X/O	1.17m	8.500in	2.750in		MSD1940-01	
8in DC	54.11m	8.000in	3.000in			
Drilling Jars	10.02m	7.812in	3.000in		11151D	
8in DC	17.88m	8.000in	3.000in			
X/O	1.17m	6.375in	2.750in		SBD 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
251.38	0.2	202.8	251.38	-0.0	-0.1	0.0	0.2	MWD
277.45	0.4	175.9	277.45	-0.1	-0.2	-0.0	0.2	MWD
307.36	0.2	184.9	307.36	-0.2	-0.3	-0.0	0.1	MWD
336.09	0.2	186.5	336.09	-0.3	-0.4	-0.0	0.0	MWD
364.82	1.2	53.3	364.81	0.0	-0.3	0.2	1.4	MWD
393.45	3.5	50.6	393.42	1.2	0.5	1.1	2.4	MWD
421.58	5.8	51.2	421.45	3.5	1.9	2.9	2.4	MWD
450.32	8.6	51.7	449.96	7.1	4.1	5.7	2.9	MWD
479.06	11.9	49.4	478.24	12.2	7.4	9.7	3.5	MWD
507.75	14.6	48.5	506.17	18.7	11.7	14.6	2.8	MWD

**Bulk Stocks**

Name	Unit	In	Used	Adjust	Balance
Barite Bulk	MT				142.9
Bentonite Bulk	MT		5.62		55.1
Diesel	m3		13	0	322.5
Fresh Water	m3	30.8	26.1		193.5
Drill Water	m3		118		504.9
Cement G	MT		34.47		70.2

**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)



Pumps													
Pump Data - Last 24 Hrs								Slow Pump Data					
1	A1700PT	6.000	8.60	97	84	2400	8.63						
2	12P 160	6.000	8.60	97	84	2400	8.63						
3	12P160	6.000	8.60	97	84	2400	8.63						
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									
Personnel On Board													
Company				Pax	Comment								
ANZON AUSTRALIA LIMITED				3									
DOGC				52									
HALLIBURTON AUSTRALIA PTY LTD - SPERRY SUN				4									
DOWELL SCHLUMBERGER				2									
GEOSERVICES OVERSEAS S.A.				2									
M-1 AUSTRALIA PTY LTD				3	2 x operators 1 x trainee								
FUGRO SURVEY LTD				7	6 x Fugro ROV, 1 x Fugro surveyor								
WEATHERFORD AUSTRALIA PTY LTD				3	2 x operators 1 x trainee								
CAMERON AUSTRALIA PTY LTD				1									
ESS				8									
Total				85									
HSE Summary													
Events	Date of last	Days Since	Descr.	Remarks									
Abandon Drill	22 Jan 2006	2 Days											
Fire Drill	22 Jan 2006	2 Days											
JSA	24 Jan 2006	0 Days	Drill crew=8, Deck=15, Mech=1										
Man Overboard Drill	22 Jan 2006	2 Days											
STOP Card	24 Jan 2006	0 Days	Safe= 0 Un-safe=5										
Shakers, Volumes and Losses Data													
Available	1,750bbl	Losses	593bbl										
Reserve	1,750bbl	sweeps and displacement	593bbl										
Marine													
Weather on 24 Jan 2006								Rig Support					
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)				
10.0nm	0kn	0.0deg	1,018.0mbar	17C°	1.0m	200.0deg		1	176.0				
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments		2					
224.0deg		4,905.00klb	1.0m	220.0deg				3	170.0				
Comments								4	176.0				
								5	231.0				
								6	216.0				
								7	245.0				
								8	231.0				
Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks									
Far Grip			On location	Item	Unit	Used	Quantity						
				Diesel			206						
				Fresh Water			330						
				Drill Water			0						
				Cement G			0						
Bentonite Bulk			0										
Pacific Wrangler			In Melbourne	Item	Unit	Used	Quantity						



Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	0928 / 0936	9 / 8	