

Last BOP Test: 13 Feb 2006

DRILLING MORNING REPORT #27

From: Simon Rodda/ Geoff Webster To: John Ah-Cann 18 Feb 2006

Manta 2a

Well Data								
Country	Australia	MDBRT	3,113.0m	Cur. Hole Size		AFE Cost	\$21,712,149	
Field	Basker and	TVDBRT	2,895.5m	Last Casing OD	7.000in	AFE No.		
	Manta	Progress	0.0m	Shoe TVDBRT	2,527.2m	Daily Cost	\$0	
Drill Co.	DOGC	Days from spud	26.19	Shoe MDBRT	2,706.4m	Cum Cost	\$15,028,434	
Rig	OCEAN PATRIOT	Days on well	26.08	FIT/LOT:	13.50ppg /	Days Since Last LTI	1013	
Wtr Dpth(LAT	Γ) 133.3m	Planned TD MD	3,120.0m					
RT-ASL(LAT)) 21.5m	Planned TD TVDRT	2,892.0m					
RT-ML	154.8m		•					
Current Op @	0600	Pressure testing FOBV						
Planned Op		Land out hanger. set and test packer. POOH with completion riser and THRT. Rig to and pull BOP's and riser						

Summary of Period 0000 to 2400 Hrs

RIH with 4 1/2" completion string. Pick up SSSV, RIH, pick up tubing hanger, running tool and spanner joint. Function test running tool and RIH with tubing hanger.

Operations For Period 0000 Hrs to 2400 Hrs on 18 Feb 2006

Phse	Cls (RC)	Ор	From	То	Hrs	Depth	Activity Description
С	Р	RIC	0000	0200	2.00	3,113.0m	Hold pre job safety meeting. Pick up and RIH with 4 1/2" completion string to 1413m MDRT as per running tally. Troubleshoot Weatherford power tong problem from 01:45 hrs
С	TP (VE)	RIC	0200	0330	1.50	3,113.0m	Troubleshoot Weatherford power tongs. Not releasing back up jaw pressure on tubing. Seal on dump valve body passing fluid into control box causing possible electrical short to JAM unit. Re-torque valve body bolts and clean out control box.
С	Р	RIC	0330	0500	1.50	3,113.0m	Continue to RIH with 4 1/2" tubing from 1413m MDRT to 1635m MDRT. Monitor hole fill on trip tank and record on trip sheet.
С	TP (VE)	RIC	0500	0530	0.50	3,113.0m	Troubleshoot Weatherford power tong problem. Retighten hydraulic hoses on tong.
С	Р	RIC	0530	1230	7.00	3,113.0m	Continue to RIH with 4 1/2" tubing from 1635m MDRT to 2552m MDRT. Monitor hole fill on trip tank and record on trip sheet.
С	Р	НВНА	1230	1430	2.00	3,113.0m	Pick up and make up SSSV and connect control lines. Pressure test to 7500 psi wit Dowwell for 10 minutes with no success. Repair leak on deck jumper hose and re-test for 10 minutes.
С	Р	RIC	1430	1530	1.00	3,113.0m	Continue to pick up 4 1/2" tubing to 2607m MDRT. Install cross coupling control line protectors on each joint. Monitor hole fill on trip tank and record on trip sheet. Cummulative hole fill difference = +0.7 bbls
С	Р	RIC	1530	1630	1.00	3,113.0m	Rig down 4 1/2" tubing handling equipment. Rig up 5 1/2" tubing handling equipment. Pick up and make up tubing hanger. Connect control lines to tubing hanger.
С	Р	RIC	1630	2130	5.00	3,113.0m	Disconnect tubing hanger handling and test tool. Install 4" ARH debris plug in tubing hanger. Pick up tubing hanger running tool (THRT) and spanner joint assembly. Function test THRT. Test SSSV line to 7500 psi. Pressure test annular access line through tubing hanger to 500 psi low and 4500 psi high for 10 min each with Dowell. Rig up PCS shuttle table dressed for 5 1/2" tubing.
С	Р	RIC	2130	2330	2.00	3,113.0m	Rig up 5 1/2" air operated elevators and RIH tubing hanger and THRT on 5 1/2" completion riser to 2651m MDRT installing Matrix cross coupling protectors on each full joint.
С	TU (VE)	RIC	2330	2400	0.50	3,113.0m	Trouble shoot 5 1/2" air operated elevators. Not closing on tubing. Adjust air actuator

Operations For Period 0000 Hrs to 0600 Hrs on 19 Feb 2006

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Phse	Cls (RC)	Ор	From	То	Hrs	Depth	Activity Description
С	Р	RIC	0000	0230	2.50	3,113.0m	Continue to RIH with tubing hanger and THRT on 5 1/2" completion riser from 2651m MDRT to 2753m MDRT. Install Matrix cross coupling protectors on each full joint.
С	Р	RIC	0230	0330	1.00	3,113.0m	Make up pad eye sub to top drive and secure air operated chain fall to same. Install 45 ft bails.
С	Р	RIC	0330	0600	2.50	3,113.0m	Make up stiff joint to completion riser. Install coflex to pump in sub and test FOBV to 500 psi low and 500 psi high for 5 minutes.



CONDUC SURFAC SURFAC NTERMI	CTOR HO																
CONDUC SURFAC SURFAC NTERMI						Pł	ase Hrs	S	Start On	Finish	On	Cum Hrs	;	Cum Da	ıys	Max De	epth
SURFAC RISER A SURFAC NTERMI NTERMI	CTOR CAS	LE(CH)						5 2	3 Jan 2006	23 Jan	2006		5.00		0.208		189.
RISER A SURFAC NTERMI NTERMI	CONDUCTOR CASING(CC)						1	0.5 2	3 Jan 2006	24 Jan	2006		15.50		0.646	•	189.
SURFAC NTERMI NTERMI	CE CASING	G(SC)					2	23.5 2	4 Jan 2006	26 Jan	2006	;	39.00		1.625	ę	994.
NTERMI NTERMI	RISER AND BOP STACK(BOP)							18 2	7 Jan 2006	27 Jan	2006		57.00		2.375	ę	994
NTERMI	SURFACE HOLE(SH)						4	0.5 2	4 Jan 2006	28 Jan	2006	9	97.50		4.062	ę	994
	EDIATE H	IOLE(IH)						196 2 ⁻	7 Jan 2006	05 Feb	2006	29	93.50	1	2.229	2,7	715
000110	EDIATE C	ASING(IC	;)				4	7.5 0	4 Feb 2006	07 Feb	2006	34	41.00	1	4.208	2,7	715
RODUC	CTION HC	LE(PH)					4	9.5	7 Feb 2006	09 Feb	2006	39	90.50	1	6.271	3,1	113
:VALUA	TION PHA	ASE (1)(E	1)					59 0	9 Feb 2006	11 Feb	2006	4	49.50	1	8.729	3,1	113
RODUC	CTION CA	SING/LIN	ER(PC)				3	88.5	1 Feb 2006	13 Feb	2006	48	88.00	2	20.333	3,1	113
OMPLE	ETION(C)							138 1	3 Feb 2006	18 Feb	2006	62	26.00	2	26.083	3,	113
WBM [Data					C	ost To	day									
Mud Type	e:	Brine	API FL:			CI			58000mg/l	Solids(%vol):			Viscosity			
Sample-F	From:	Pits	Filter-C	ake:		K+	-C*1000:		12%	H2O:				PV YP			
Γime:		09:30	HTHP-I	FL:		На	ard/Ca:			Oil(%):				Gels 10s			
Neight:		9.00ppg				M	3T:			Sand:				Gels 10m			
ŭ		a.ooppg	1111111-0	bane.									0.5	Fann 003			
Γemp:						PN				pH:			9.5	Fann 006 Fann 100			
						PF	:			PHPA:				Fann 200			
Comment Sulphites = 500											Fann 300						
														Fann 600			
3ulk S	Stocks																
			Name						Unit	lı	n	Used	b	Adju	ıst	Bala	nce
Barite Bu							MT								-1		42
Bentonite	e Bulk						MT	•					0				34
Diesel							m3				0		7.6		-0.1		362
resh W							m3				27		36.2		0		143
Orill Wat							m3				0		12		0		282
Cement	-						MT				0		0				63
	HT (Silica)					MT				0						15
Pumps								1									
•	ata - Last								w Pump Dat								
lo.	Туре	Liner (in)	MW (ppg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (bpm)	Dep (m		SPP1 (psi)	Flow1 (bpm)	SPM2 (SPM)	SPP: (psi)	2 Flow2 (bpm)			Flo (bp
1 A170	00PT	6.000	9.20	97	76	3150	7.73		30	420	3.00	40	500	4.00	50	600	5.
2 12P		6.000	9.20	97	76	3150	7.73		30	420	3.00	40	500	4.00	50	600	5.0
3 12P	160	6.000	9.70	97													<u> </u>
Casing	g																
(OD (in)		Csg Sho	e MD (m)	С	sg Shoe	TVD (m) (Csg Landing (m)	•	D C	sg Landin TVD (th	LOT/	FIT (pp	g)
	30 "		187	7.22		187	.22					152.8	3			-	
	13 3/8"		984	.53		948	.47		151.9	96		151.9	96		•	14.50	
	9 5/8"		270	6.45		2527	'.18		153.	15		153.1	5		•	13.50	
	7 "		3110	0.00		2892	2.77		3110.	00		2892.	77				
ersor	nnel On	Board															
			Compa	iny			Т	Pax					ment				
NZON	AUSTRAL	LIA LIMITE	D					10	2 X Drilli Subsea	ng Super	visor, 1	X Logistic	cs, 2 >	Comple	etion Su	upervisc	r, 5
OOGC								46	Jubaca								
	L SCHLU	MDEDOF						46 2									

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FUGRO SURVEY LTD



Last BOP Test: 13 Feb 2006

Personnel On Board	
WEATHERFORD AUSTRALIA PTY LTD	4
ESS	8
CAMERON AUSTRALIA PTY LTD	3
EXPRO GROUP	14
Total	94
HSE Summary	

HSE Summary				
Events	Date of last	Days Since	Descr.	Remarks
Last BOP Test	13 Feb 2006			
Abandon Drill	12 Feb 2006	6 Days		
Fire Drill	12 Feb 2006	6 Days		
JSA	18 Feb 2006	0 Days	Drill crew=4, Deck=4, Mech=3	
Man Overboard Drill	29 Jan 2006	20 Days		
Safety Meeting	12 Feb 2006	6 Days		Hold safety meetings at 1300/1900/0100hrs
STOP Card	18 Feb 2006	0 Days	Safe= 6 Un-safe=8	

Shakers, V	olumes and	d Losses Data	a			
Available	1,556bbl	Losses	0bbl	Equip.	Descr.	Mesh Size
Active	384.7bbl			Shaker1	VSM 100	4 x 200
Hole	851.3bbl			Shaker2	VSM 100	165/180/2x 230
				Shaker3	VSM 100	2 x 200, 2 x 120
Reserve	320bbl			Shaker4	BEM650	4 x 165

Marine									
Weather on	18 Feb 2006	Rig Support							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)
10.0nm	10kn	270.0deg	1,016.0mbar	21C°	0.5m	225.0deg	2s	1	179.0
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather	Comments	2	138.0
224.0deg	349.00klb	4,185.00klb	1.5m	270.0deg	7s			3	183.0
224.0dcg	343.00Kib	4, 100.00Kib	1.5111	270.0acg	7.5			4	163.0
		Comr	ments					5	269.0
								6	225.0
								7	247.0
								8	271.0

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status		Bulks		
Far Grip		23:30 18 Feb 2006	Enroute Melbourne ETA 1700 19 Feb 2006	Item	Unit	Used	Quantity
				Diesel	m3		295
				Fresh Water	m3		645
				Drill Water	m3		510
				Cement G	mt		0
				Bentonite Bulk	mt		0
				Brine	m3		0
				Cement HT (Silica)	mt		0
Pacific Wrangler	11:45 17 Feb 2006		On Location	Item	Unit	Used	Quantity
				Diesel	m3		524.2
				Fresh Water	m3		185
				Drill Water	m3		620
				Cement G	mt		0
				Cement HT (Silica)	mt		0
				Barite Bulk	mt		109
				Bentonite Bulk	mt		43
			1	Brine	m3		0

Helicopte	Helicopter Movement								
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment					
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	/	/	No flights today Refueling = 0 litres, remaining on board = 2933 litres					