

**Well Site Manager: Dennis Bell / Kevin Monkhouse** **OIM: Dennis Gore**

Well Data							
Country	Australia	Total Planned Days	27.60	M. Depth	572.5m	Current Hole Size	36.000in
Field	Otway Basin	Actual Days	5.00	TVD	572.5m	Casing OD	
Rig Contractor	DOGC	Planned Days Completed	5.42	Progress	48.0m	Shoe TVD	
Rig	OCEAN PATRIOT	Days +/- Curve	-0.42 (Ahead)			FIT/LOT	/
Water Depth(LAT)	503.0m	Spud Date	19 Oct 2009			Last BOP Test	
RT-ASL(LAT)	21.5m	Operations @ 0600	Cementing 762mm (30") conductor.				
RT-ML	524.5m	Planned Op	Complete cementing 762mm (30") conductor. Release running tool and POOH. Lay down 914mm (36") BHA and cement head. RIH 445mm (17.5") BHA and drill 445mm (17.5") hole.				

Cost Data				Daily Cost: \$752,884
	AFE	Actual Cost to Date	EFC	
Mob/Demob	\$ 5,900,000	\$ 3,282,226	\$ 5,500,000	
Drilling	\$ 23,100,000	\$ 2,182,919	\$ 18,400,000	
Completion	\$ 0	\$ 0	\$ 0	
Testing	\$ 0	\$ 0	\$ 0	
Intervention	\$ 0	\$ 0	\$ 0	
Well Total	\$ 29,000,000	\$ 5,465,145	\$ 23,900,000	

**Summary of Period 0000 to 2400 Hrs**  
 Made up 914mm (36") spud BHA. Connected TGB to bit. Ran TGB to seabed on BHA. Spud Somerset-1 well and drill 914mm (36") hole from 524.5m to 572.5m. Circulated clean and displaced hole to PHG mud. POOH. Riggged up and ran 762mm (30") conductor. Stabbed conductor into PGB below drillfloor in moonpool.

**Operations For Period 0000 Hrs to 2400 Hrs on 19 Oct 2009**

CLS	PHSE	OP	From	To	Hrs	Depth	Activity Description
P	CH	PUB	0000	0200	2.00	0.0m	Made up 660mm (26") bit, 914mm (36") hole opener, float sub with solid float and 3 joints of 241mm (9.5") DCs.
P	CH	PUB	0200	0400	2.00	0.0m	Held JSA in moonpool with drill crew. Positioned TGB in moonpool. Aligned bit and engaged support dogs on TGB. Installed guide lines.
P	CH	PUB	0400	0800	4.00	0.0m	Picked up TGB, skidded moonpool cart clear and ran TGB through splash zone. RIH TGB to 518m.
NPT (SBT)	CH	CCM	0800	0900	1.00	0.0m	Continued to build spud mud. Move PGB to moonpool.
P	SC	RCS	0900	0930	0.50	0.0m	Held shallow gas pre spud JSA.
P	CH	ROV	0930	1130	2.00	0.0m	Positioned rig and landed TGB on seabed. ROV released support dogs. (Sea bed 503m LAT, RKB to mudline 524.5m LAT at rig draft of 23.5m)
P	CH	DA	1130	1530	4.00	572.5m	Bullseye before land out 1deg port forward - 230deg heading. Bullseye after land out 5deg+ port forward - 230deg heading (sloping seabed). Drilled 660mm x 914mm (26" x 36") hole from 524.5m to 572.5m. Initial parameters 1890 litre/min (500gpm) at 2800kPa (400psi), 65 RPM, 0-2712N-m (0-2k ft-lbs) WOB. Increased to 3400litre/min (900gpm) at 8300kPa (1200psi), 70 RPM. Pumped 8m3 (50bbl) Guar Gum sweep every single and spotted 16m3 (100bbl) PHG pill around BHA on connections.
P	CH	CHC	1530	1600	0.50	572.5m	Pumped 24m3 (150bbl) PHG sweep followed by 16m3 (100bbl) Guar and circulated well clean.
P	CH	CCM	1600	1630	0.50	572.5m	Displaced well with 48m3 (300bbl) PHG.
P	CH	RBH	1630	1800	1.50	572.5m	POOH. Racked back BHA.
P	SC	RCS	1800	1900	1.00	572.5m	Riggged up to run 762mm (30") casing. Positioned PGB in moonpool under rig floor.
P	SC	RCS	1900	2100	2.00	572.5m	Held JSA. Picked up 508mm x 763mm (20" x 30") shoe jt. Checked circulation through shoe - OK. Picked up and ran 762mm (30") conductor joints. Secured Leopard connections with heavy duty tack welds.
P	SC	RCS	2100	2130	0.50	572.5m	Made up 43m of 127mm (5") DP stinger and ran inside 762mm (30") conductor using "C-plate".
P	SC	RCS	2130	2200	0.50	572.5m	Made up 762mm (30") conductor Running Tool to cement stinger and engaged 762mm (30") conductor housing.

CLS	PHSE	OP	From	To	Hrs	Depth	Activity Description
P	SC	RCS	2200	2400	2.00	572.5m	Landed 762mm (30") conductor housing in PGB and locked down same. Connected Dril-Quip HAC hoses from PGB to HAC ports.
Total Duration					24		

**Operations For Period 0000 Hrs to 0600 Hrs on 20 Oct 2009**

CLS	PHSE	OP	From	To	Hrs	Depth	Activity Description
P	SC	RCS	0000	0030	0.50	572.5m	Picked up PGB to confirm engagement on conductor. (Combined PGB, conductor plus Running String weight 82mt (180klbs)). Skidded moonpool trolley clear, installed guide lines 1 and 2 into PGB guide posts. Ran PGB to water line and pumped seawater to fill casing. Closed Running Tool vent valves when full and pumped at 2800litre/min (730gpm) to confirm RT seals - OK.
P	SC	RCS	0030	0200	1.50	572.5m	Ran 762mm (30") casing to 520m. (Checked bullseye readings while suspended. Aft bullseye indicated 0.5deg port. Port bullseye indicated 0.5deg starboard.)
P	SC	RCS	0200	0230	0.50	572.5m	Stabbed conductor shoe into well with ROV assistance.
P	SC	RCS	0230	0500	2.50	572.5m	RIH to 550m. Assembly started taking weight. Broke circulation and worked past obstructions at 550m and 557m. Continued working in hole until PGB landed out on TGB. (508mm (20") shoe depth 569.44m).
P	SC	RCS	0500	0530	0.50	572.5m	Slacked off entire conductor/PGB weight onto TGB funnel. Checked bullseyes. (Port bullseye showed 0.9deg - 320 heading. Aft bullseye showed 0.75deg - 280 heading). Circulated well with seawater at 1600litre/min (10bbl/min), with 1400kPa (200psi) and held pre cement job JSA.
P	SC	CMC	0530	0600	0.50	572.5m	Dowell pumped 6.4m3 (40bbl) of seawater. Pressure tested surface lines to 13.800MPa (2000psi) - OK.
Total Duration					6		

Bit # 1			Wear	I	O1	D	L	B	G	O2	R
				1	1						TD
Size:	26.000in	IADC#	115	<b>Nozzles</b>		<b>Drilled over last 24 hrs</b>			<b>Calculated over Bit Run</b>		
Manf:	Varel	WOB (avg)	2.00klb	No.	Size	Progress	48.0m	Cum. Progress	48.0m		
Type:	Milltooth	RPM (avg)	70	3	20/32nd"	On Bottom Hrs	4.0h	Cum. On Btm Hrs	4.0h		
Serial No.:		F. Rate	700.00gpm			IADC Drill Hrs	4.0h	Cum IADC Drill Hrs	4.0h		
Depth In	524.5m	SPP	1200psi			Total Revs	20000	Cum Total Revs	20000		
Depth Out	572.5m	HSI	0.36HSI			ROP (avg)	12.00 m/hr	ROP (avg)	12.00 m/hr		
Bit Model		TFA	0.920in <sup>2</sup>								

**BHA # 1**

Weight Below Jar	Parameters					
BHA Weight	Rot Weight	190.00klb	Torque (max)	5000ft.lbs	D.P. Ann Velocity	0mpm
Bit to G.R Sensor Center	Pick-Up Weight	200.00klb	Torque Off Bottom (avg)	2500ft.lbs	D.C. (1) Ann Velocity	0mpm
Bit to Dir. Sensor Center	Slack-Off Weight	190.00klb	Torque On Bottom (avg)	2500ft.lbs	D.C. (2) Ann Velocity	0mpm

**BHA Objective**

Equipment	Length	Cum. Length	OD	ID	Comment
Bit	0.56m	0.56 m	26.000in		
Hole Opener	2.16m	2.72 m	36.000in	2.875in	
Float Sub	0.90m	3.62 m	9.500in	2.875in	
9 1/2" DC	28.53m	32.15 m	9.500in	3.060in	
X/O	1.09m	33.24 m	9.500in	3.060in	
8in DC	27.98m	61.22 m	8.000in	2.750in	
X/O	1.11m	62.33 m	8.250in	2.750in	
HWDP	113.61m	175.94 m	5.000in	3.060in	

<b>WBM Data</b>						
Mud Type:	PHG / Guar	API FL:	Cl:	Solids(%vol):	Viscosity	130sec/L
Sample-From:		Filter-Cake:	K+C*1000:	H2O:	PV	
Time:	16:00hrs	HTHP-FL:	Hard/Ca:	Oil(%):	YP	
Weight:	1.04sg	HTHP-cake:	MBT:	Sand:	Gels 10s	
Temp:		Glycol:	PM:	pH:	Gels 10m	
			PF:	PHPA:	Fann 003	
Comment	Problems getting bulk gel off supply boats. Only receiving bulk gel fom 07:30 am. Began mixing gel into pits 4 and 5 at 08:30 am. Both pits ready by 11:00 hrs. Pumped 50 bbl Guar Gum sweeps each single. Spotted 100 bbl PHG on connection. Swept hole at TD with 150 bbl PHG then 100 bbl PHG before displacing hole with 300 bbl PHG. 20 sx calcium chloride used for cement mixwater. 1100 bbl PHG mixed. 17T used. NPT(fluid related) - 0.					Fann 006
					Fann 100	
					Fann 200	
					Fann 300	
					Fann 600	

<b>Bulk Stock</b>									
Name	Unit	In	Used	Balance	Name	Unit	In	Used	Balance
'G' Cmt	MT	69	0	69.0	Drill Water	M3	331	172	493.0
Fuel	M3	0	9.1	289.2	Barite	MT	109	0	109.0
Pot Water	M3	26	23	207.0	Bentonite	MT	108	63	45.0
Fresh water	M3	0	0	0.0					

<b>Supply Vessel</b>															
Boats		Status			Bulks			Boats		Status			Bulks		
Lewek Swift	In Portland	Item	Unit	Quantity	Lewek Emerald	On Standby	Item	Unit	Quantity						
		Fuel	m3	580.9			Fuel	m3	597.7						
			ltrs.	0			Pot Water	m3	61						
		Pot Water	m3	196			Drill Water	m3	53						
		Drill Water	m3	0			CEMENT G	mt	65						
		CEMENT G	mt	0			CEMENT HT (SILICA)	mt	0						
		CEMENT HT (SILICA)	mt	0			Barite	mt	96						
		Barite	mt	91			Bentonite	mt	38						
		Bentonite	mt	0			BRINE	bbls	1500						
		BRINE	bbls	1500											

<b>Personnel On Board</b>				<b>Total : 94</b>
Company	Pax	Company	Pax	
Diamond Offshore	51	Dril-Quip	1	
ESS	8	MI Australia PTY LTD	2	
Woodside	8	Schlumberger DD	2	
BHI	6	Schlumberger MWD/LWD	2	
BJ Tubulars	3	Subsea 7	6	
Dowell Schlumberger	2	OTHER	3	

Lagging Indicators												
	HPI	LTl	RWC	MTC	TROI	FAC	Env Cat C	Env Non Comp	Dropped Objects	HPH	Env Cat D	Env Cat E
24hr	0	0	0	0	0	0	0	0	0	0	0	0
Well To Date	0	0	0	0	0	1	0	0	0	0	0	0
Month To Date	0	0	0	0	0	1	0	0	0	0	0	0
Year To Date	0	0	0	0	0	1	0	0	0	0	0	0
Comments/ Findings												

Leading Indicators										
	GSR Comp Checks	JSA Comp Checks	PTW Audit	Area Inspection	3rd Party Company Check	Mgt Visits	Drills	Number Observe Cards	ER Exercises	Env Insp Check
24hr	0	1	0	0	0	0	1	91	0	0
Well To Date	2	1	2	2	0	0	1	510	1	1
Planned Targets per month	10/m	4/m	8/m	4/m	1/qtr	1/qtr	8	N/A	1 first month start up, 6 month after	1/m
Month Actual	2	1	2	2	0	0	1	510	1	1
Year To Date	2	1	2	2	0	0	1	510	1	1
Comments/ Findings	JSA Comp Checks 1 - Good crew participation in JSA held for moving TGB into the Moonpool. Recommended some changes to the Master JSA. Drills 1 - Gas alarm and abandon rig drills held. Number Observe Cards 91 - Safe/Unsafe: 57/34 (DODI - 47; ESS - 7; TPC - 27; WEL - 10)									

Leading Indicators									
	H&S INC/NM	Env NM							
24hr	0	0							
Well To Date	0	0							
Month To Date	0	0							
Year To Date	0	0							
Comments / Findings									

General Comments	
00:00 to 24:00 Hrs on 19 Oct 2009	
<b>Operational Comments</b>	CAR: 42/143 items closed (11 critical) Top Stop Cards: #1 During boat drill noticed that lifejacket light was out of date. Conducted a survey of other life jackets in cabin and found all of them out of date also. Informed SDR. #2 Observed leaking Diesel fuel from the nozzle box under the Port Crane. Small valve had not been closed properly and fitting was loose. Drained diesel from box and cleaned up spill with soaker pads. Tightened the fitting and shut valve properly to prevent reoccurrence.  Non-compliance trends: Housekeeping at the end of jobs, and failing to follow safe work procedures. DODI Supervisor audits conducted: 1 DODI Interventions conducted: 5 Woodside Interventions conducted: 3

Performance Summary																
Daily								Cumulative Well								
P		NPT		SCC		NSC		P		NPT		SCC		NSC		Total
Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hours
23	95.83	1	4.17					107	89.17	13	10.83					120