

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

Well Data							
Country	Australia	Total Planned Days	27.60	M. Depth	1284.0m	Current Hole Size	17.500in
Field	Otway Basin	Actual Days	7.00	TVD	1284.0m	Casing OD	30.000in
Rig Contractor	DOGC	Planned Days Completed	8.1	Progress	423.0m	Shoe TVD	569.4m
Rig	OCEAN PATRIOT	Days +/- Curve	-1.1 (Ahead)			FIT/LOT	/
Water Depth(LAT)	503.0m	Spud Date	19 Oct 2009			Last BOP Test	
RT-ASL(LAT)	21.5m	Operations @ 0600	Pressure test surface lines prior to cementing casing.				
RT-ML	524.5m	Planned Op	Cement 340mm (13 3/8") casing. Release RT. POOH. Rig up and run BOPs.				

Cost Data				Daily Cost: \$1,339,949
	AFE (D&C)	Actual Cost to Date	EFC	
Mob/Demob	\$ 5,900,000	\$ 3,132,599	\$ 5,500,000	
Drilling	\$ 23,100,000	\$ 4,276,128	\$ 18,300,000	
Completion	\$ 0	\$ 0	\$ 0	
Testing	\$ 0	\$ 0	\$ 0	
Intervention	\$ 0	\$ 0	\$ 0	
Well Total	\$ 29,000,000	\$ 7,408,727	\$ 23,800,000	

Summary of Period 0000 to 2400 Hrs
 Drilled 445mm (17 1/2") hole from 861m to 1284m. Circulated clean and displaced well to PHG mud. POOH and racked back BHA. Rigged up and ran 340mm (13 3/8") casing.

Operations For Period 0000 Hrs to 2400 Hrs on 21 Oct 2009

CLS	PHSE	OP	From	To	Hrs	Depth	Activity Description
P	IH1	DA	0000	0215	2.25	1284.0m	Drilled 444mm (17.5") hole from 861m to 1060m (Port Campbell Limestone). 4353 litre/min (1150 gpm), 100 RPM, 4.1-12.2 N-m (3-9 kft-lbs) torque, 9-25 MT (20-55klbs) WOB. Swept 15 m3 (100 bbl) PHG each stand, and spotted 15 m3 (100 bbl) PHG pill around BHA on connections. Actual ROP 87.5m/hr vs TL 43m/hr.
P	IH1	DA	0215	0830	6.25	1284.0m	Drilled 444mm (17.5") hole from 1060m to 1286m (Gellibrand Marl). 4164 litre/min (1100 gpm), 85 RPM, 6.8-16.3 N-m (5-12 kft-lbs) torque, 9-27 MT (20-60 klbs) WOB. Swept 15m3 (100bbl) PHG each stand, and spotted 15m3 (100bbl) PHG pill around BHA on connections. Actual ROP 34.5m/hr vs TL 38m/hr.
P	IH1	CHC	0830	1000	1.50	1284.0m	Pumped 31m3 (200bbl) Guar Gum sweep. Pumped 175m3 (1100bbl) PHG mud and displaced with 8m3 (50bbl) of seawater.
P	IH1	RBH	1000	1230	2.50	1284.0m	POOH from 1284m to 288m. Worked through tight spots at 1200m, 1185m, 1148m, 1115m, 1055m, 710m, 623m. Max overpull (40k). Reamed tight spots prior to POOH.
P	IH1	RBH	1230	1500	2.50	1284.0m	Racked back BHA and broke off drill bit.
P	IH1	RCS	1500	1530	0.50	1284.0m	Made up 340mm (13 3/8") RT and stood back in derrick.
P	IH1	RCS	1530	1600	0.50	1284.0m	Cleared drill floor and held pre casing job JSA with drill crew.
P	IH1	RCS	1600	1700	1.00	1284.0m	Rigged up to run 340mm (13 3/8") casing.
P	IH1	RCS	1700	1800	1.00	1284.0m	Made up shoe track. Tested shoe and float valves in V door - OK. Attached guide ropes to shoe joint.
P	IH1	RCS	1800	2100	3.00	1284.0m	Ran 340mm (13 3/8") casing to 520m. Filled casing as run and confirmed full every 10 joints.
P	IH1	RCS	2100	2130	0.50	1284.0m	Stabbed shoe into well. Shoe stood up 3m inside well. Repositioned rig 6m to port/3m aft to align RT with hole.
P	IH1	RCS	2130	2300	1.50	1284.0m	Continued to run casing to 746m.
P	IH1	RCS	2300	2330	0.50	1284.0m	Rigged down 500t elevators and BJ Fill and Circulate (FAC) tool. Made up 127mm (5") elevators.
P	IH1	RCS	2330	2400	0.50	1284.0m	Picked up and made up 475mm (18 3/4") wellhead.
Total Duration					24		

Operations For Period 0000 Hrs to 0600 Hrs on 22 Oct 2009

CLS	PHSE	OP	From	To	Hrs	Depth	Activity Description
P	IC1	RCS	0000	0030	0.50	1284.0m	Laid out FMS slips and set 475mm (18 3/4") well head in the rotary table.
P	IC1	RCS	0030	0100	0.50	1284.0m	Dowell made up plug basket below 475mm (18 3/4") RT and spaced out to position in 340mm (13 3/8") casing below 508mm (20") cross over.

CLS	PHSE	OP	From	To	Hrs	Depth	Activity Description
P	IC1	RCS	0100	0130	0.50	1284.0m	Made up 475mm (18 3/4") RT to well head.
P	IC1	RCS	0130	0400	2.50	1284.0m	Ran 340mm (13 3/8") casing in from 746m to 1267m on 127mm (5") DP. Filled pipe every 5 stands.
P	IC1	RCS	0400	0430	0.50	1284.0m	Made up Deep Sea Express cement head stand. Connected cement hose and control lines. Recorded up and down drag.
P	IC1	RCS	0430	0445	0.25	1284.0m	Landed 475mm (18 3/4") wellhead into 762mm (30") housing with 22MT (50 klbs) down weight. Tested latch with 36MT (80 klbs) overpull - OK.
P	IC1	CCS	0445	0545	1.00	1284.0m	Staged pumps up. 475l/min 1240kPa (3bbl/min 180psi), 950l/min 1720kPa (6bbl/min 250psi), 1900l/min 2400kPa (12bbl/min 350psi), 2380l/min 3100kPa (15bbl/min 450psi). Circulated total 110% casing volume. Held cementing JSA while circulating
P	IC1	CMC	0545	0600	0.25	1284.0m	Lined up to Dowell and pumped 0.8m3 (5 bbl) seawater. Closed lo torq valve on cement head and conducted pressure test.
Total Duration					6		

Survey

MD (m)	Incl. Deg. (deg)	Corr. Az. (deg)	TVD (m)	'V' Sect (m)	Dogleg (deg/30m)	N/S (m)	E/W (m)	Tool Type
972.34	0.91	95.08	972.31	-3.08	0.069	-3.08	6.36	
1001.37	0.91	84.18	1001.33	-3.08	0.179	-3.08	6.82	
1059.78	0.95	75.47	1059.73	-2.91	0.075	-2.91	7.75	
1090.08	0.78	51.04	1090.03	-2.72	0.398	-2.72	8.16	
1117.31	0.70	46.36	1117.26	-2.49	0.110	-2.49	8.42	
1203.66	0.94	59.46	1203.60	-1.76	0.105	-1.76	9.41	
1251.88	0.96	60.07	1251.81	-1.36	0.014	-1.36	10.10	
1284.00	0.95	60.00	1283.93	-1.09	0.009	-1.09	10.57	

Bit # 2

				Wear	I	O1	D	L	B	G	O2	R
					1	1	WT	A	E	I	PN	TD
Size:	17.500in	IADC#	115	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Manf:	SMITH	WOB (avg)	24.00klb	No.	Size	Progress	423.0m	Cum. Progress		678.8m		
Type:	Milltooth	RPM (avg)	91	3	12/32nd"	On Bottom Hrs	6.2h	Cum. On Btm Hrs		10.2h		
Serial No.:	PM6863	F. Rate	1150.00gpm	3	15/32nd"	IADC Drill Hrs	6.2h	Cum IADC Drill Hrs		10.2h		
Depth In	572.5m	SPP	4100psi			Total Revs	49488	Cum Total Revs		105288		
Depth Out	1284.0m	HSI	4.40HSI			ROP (avg)	68.23 m/hr	ROP (avg)		66.55 m/hr		
Bit Model	XR+VEJ3	TFA	0.849in ²									

BHA # 2							
Weight Below Jar	50.00klb	Parameters					
BHA Weight	80.00klb	Rot Weight	217.00klb	Torque (max)	12000ft.lbs	D.P. Ann Velocity	31mpm
Bit to G.R Sensor Center		Pick-Up Weight	287.00klb	Torque Off Bottom (avg)	6000ft.lbs	D.C. (1) Ann Velocity	35mpm
Bit to Dir. Sensor Center	29.5m	Slack-Off Weight	214.00klb	Torque On Bottom (avg)	7000ft.lbs	D.C. (2) Ann Velocity	40mpm

BHA Objective						
Equipment	Length	Cum. Length	OD	ID	Comment	
Bit	0.44m	0.44 m	17.500in		w/ Solid Float.	
Mud Motor	10.79m	11.23 m	17.250in	7.750in		
Stabilizer	2.17m	13.4 m	17.250in	3.000in		
9 1/2" DC	9.48m	22.88 m	9.500in	3.000in		
Roller Reamer	2.47m	25.35 m	17.250in	3.000in		
Saver Sub	0.47m	25.82 m	9.375in	3.500in		
Power Pulse	7.55m	33.37 m	8.250in	5.810in		
Saver Sub	0.55m	33.92 m	8.375in	4.250in		
NMDC	9.07m	42.99 m	8.250in	2.190in		
8in DC	73.35m	116.34 m	8.000in	2.750in		
Jars	9.75m	126.09 m	8.060in	3.000in		
8in DC	18.65m	144.74 m	8.000in	2.750in		
X/O	1.11m	145.85 m	8.250in	2.750in		
HWDP	142.17m	288.02 m	5.000in	3.000in		

WBM Data							
Mud Type:	PHG / Guar	API FL:	Cl:	350mg/l	Solids(%vol):	Viscosity	100sec/L
Sample-From:		Filter-Cake:	K+C*1000:		H2O:	PV	
Time:	06:00hrs	HTHP-FL:	Hard/Ca:	40mg/l	Oil(%):	YP	
Weight:	1.12sg	HTHP-cake:	MBT:		Sand:	Gels 10s	
Temp:		Glycol:	PM:		pH:	Gels 10m	
			PF:		9.5	Fann 003	
Comment	Built pre-hydrated gel when drilling and after the displacement for additional volume. Used the barite contaminated gel from silo-3 for sweeps only. Bulk values adjusted to correct for contamination of bulk silo-3. 109MT barite received on 19th corrected back to 25MT and this charged off today. Gel usage reduced to include 18MT Gel in silo-3. (Silo-3 previously being recorded as barite). NPT (Fluids) : 0.					Fann 006	
						Fann 100	
						Fann 200	
						Fann 300	
						Fann 600	

Bulk Stock									
Name	Unit	In	Used	Balance	Name	Unit	In	Used	Balance
'G' Cmt	MT	66	0	96.0	Drill Water	M3	169	349	175.0
Fuel	M3	142	40.5	378.8	Barite	MT	0	25	0.0
Pot Water	M3	42	31	229.0	Bentonite	MT	17	1	73.0
Fresh water	M3	0	0	0.0					

Supply Vessel											
Boats		Status	Bulks			Boats		Status	Bulks		
Lewek Swift	In Portland		Item	Unit	Quantity	Lewek Emerald	On Standby.	Item	Unit	Quantity	
	Note: Barite figures have been amended to reflect actual quantity (25T) of barite transferred to the rig on the 19/10/09. Previous reports have also been updated.		Fuel	m3	509.6			Fuel	m3	424.7	
		Pot Water	m3	392.5			Pot Water	m3	82		
		Drill Water	m3	0			Drill Water	m3	0		
		CEMENT G	mt	0			CEMENT G	mt	0		
		CEMENT HT (SILICA)	mt	87.7			CEMENT HT (SILICA)	mt	0		
		Barite	mt	175			Barite	mt	96		
		Bentonite	mt	8			Bentonite	mt	0		
		BRINE	bbls	1500			BRINE	bbls	1500		

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	14:29 / 14:50	15 / 16	Super Puma

Personnel On Board				Total : 93
Company	Pax	Company	Pax	
Diamond Offshore	51	Dril-Quip	1	
ESS	8	MI Australia PTY LTD	2	
Woodside	7	Schlumberger DD	2	
BHI	6	Schlumberger MWD/LWD	3	
BJ Tubulars	3	Subsea 7	6	
Dowell Schlumberger	2	Petrotech	2	

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	1	0	0	0	0	0	0	89	0	0
Well To Date	3	1	2	2	0	0	2	697	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	3	1	2	2	0	0	2	697	1	1
Year To Date	3	1	2	2	0	0	2	697	1	1
Comments/ Findings	GSR Comp Checks 1 - Lifting Operations Check: Running 13-3/8" casing from the deck. Fully compliant. Area barriered off well, good crew organisation and co-ordination. Number Observe Cards 89 - Safe / Unsafe: 64/25. (DODI - 41; ESS - 13; TPC - 25; 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 21 Oct 2009	
Operational Comments	CAR: 42/143 items closed (11 critical) Top Stop Cards: #1 - Observed man stop the job. He had noticed the air tugger line had wrapped around the kelly hose. Job was stopped and line was untangled. #2 - Items in cool room, weighing more than 10kg were above shoulder height and a little too heavy for female utility personnel. Relocated them on lower rack. Non-compliance trends: No hands on handrails (personnel instructed this must be eliminated from the workplace). Tools and equipment obstructing safety equipment or not being replaced at the end of the job. Loose tubulars being left around pipedeck without being chocked. Basic equipment rig up (e.g. airline whipchecks and safety "R" clips). DODI Supervisor audits conducted: 0 DODI Interventions conducted: 4 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
24	100							155	92.26	13	7.74					168