

22 Oct 2009 DRILLING MORNING REPORT # 8 Somerset-1

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	8.00	TVD	1284.0m	Casing OD	13.375in
Rig Contractor	DOGC	Planned Days Completed	9.5	Progress	0.0m	Shoe TVD	1278.6m
Rig	OCEAN PATRIOT	Days +/- Curve	-1.5 (Ahead)			FIT/LOT	1
Water Depth(LAT)	503.0m	Spud Date	19 Oct 2009			Last BOP Test	
RT-ASL(LAT)	21.5m	Operations @ 0600	Running BOP	s on riser.			
RT-ML	524.5m	Planned Op		`	,	ctor. Make up and rur the well to 1.30sg Ul	` ,

Cost Data				D	aily Cost: \$782,007
	AFE (D&C)	Actu	ual Cost to Date (D&C)		EFC (D&C)
Mob/Demob	\$ 5,900,000	\$	3,182,286	\$	5,500,000
Drilling	\$ 23,100,000	\$	5,061,448	\$	18,400,000
Completion	\$ 0	\$	0	\$	0
Testing	\$ 0	\$	0	\$	0
Intervention	\$ 0	\$	0	\$	0
Well Total	\$ 29,000,000	\$	8,243,734	\$	23,900,000

Summary of Period 0000 to 2400 Hrs

Made up Deepsea Express subsea plug basket and 476mm (18 3/4") WHRT to 340mm (13 3/8") casing. Ran casing on DP and landed in 762mm (30") conductor. Circulated 110% casing volume and cemented casing. Released WHRT and POOH. Rigged up and ran BOPs on riser.

	CLS	PHSE	OP	From	То	Hrs	Depth	Activity Description
ľ	Р	IC1	RCS	0000	0030	0.50	1284.0m	Laid out FMS slips and set 475mm (18 3/4") well head in the rotary table.
	Р	IC1	RCS	0030	0100	0.50	1284.0m	Made up and ran Dowell subsea plug basket into 340mm (13 3/8") casing below 508mm (20") cross over.
	Р	IC1	RCS	0100	0130	0.50	1284.0m	Made up 475mm (18 3/4") RT to WHH
	Р	IC1	RCS	0130	0400	2.50	1284.0m	Ran 340mm (13 3/8") casing from 746m to 1267m on 127mm (5") DP. Filled pipe every 5 stands.
	Р	IC1	RCS	0400	0430	0.50	1284.0m	Held JSA. Made up Deep Sea Express cement head stand. Connected cement hose and control lines. Recorded up and down drag.
	Р	IC1	RCS	0430	0500	0.50	1284.0m	Worked casing down and landed 475mm (18 3/4") wellhead into 762mm (30") housing with 22MT (50 klbs) down weight. Tested latch with 36MT (80 klbs) overpull - OK. Slacked off weight to landing string weight.
	Р	IC1	ccs	0500	0600	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.
	Р	IC1	PT	0600	0630	0.50	1284.0m	Lined up to Dowell and pumped 0.8m3 (5 bbl) seawater. Closed lo torq valve on cement head and pressure tested surface lines to 4000psi for 5mins - OK.
	Р	IC1	СМС	0630	0730	1.00	1284.0m	Dowell pumped 0.8m3 (5bbl) seawater spacer. Dowell released lower wiper dart from cement head and pumped down to plug basket with seawater. Lower wiper plug sheared at 12,300kPa (1800psi) Dowell mixed and pumped 31m3 (196bbl) of 1.9SG (15.8ppg) Type 'G' cement slurry. Dowell released upper wiper dart and displaced with 0.5m3 (3bbls) of cement and 4.5m3 (28bbls) of seawater. Upper wiper plug shear pressure of 12,300kPa (1800psi)
	Р	IC1	CMC	0730	0830	1.00	1284.0m	Changed lines over and displaced cement with rig pumps at 2380 L/min (15bbl/min). Slowed rate for final 318 L/min (2bbls). Bumped plug on anticipated depth, FCP 3680kPa (540psi). Increased to 7500kPa (1100psi) test pressure and held for 5mins - OK.
	Р	IC1	CMC	0830	0900	0.50	1284.0m	Checked for back flow at cement unit - none observed. Rigged down cement hose on drill floor.
	Р	IC1	RBH	0900	1000	1.00	1284.0m	Released 476mm (18 3/4") WHRT and POOH with same.
	Р	IC1	PUB	1000	1200	2.00	1284.0m	Laid out 476mm (18 3/4") WHRT. Laid out Dowell Deepsea Express cement head and removed equipment from drill floor.
	Р	BOP	RBOP	1200	1330	1.50	1284.0m	Held JSA and rigged up to run BOPs and riser.
	Р	BOP	RBOP	1330	1500	1.50	1284.0m	Made up 2 x jts of riser to booster line termination spool.
	Р	BOP	RBOP	1500	1730	2.50	1284.0m	Positioned BOP under rotary table. Connected booster line termination spool to BOP.



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CLS	PHSE	OP	From	То	Hrs	Depth				Activity Descri	otion			
							Instal	led guide lin	es and locatio					
Р	ВОР	RBOP	1730	2330	6.00	1284.0m		J	er to 240m (15					
Р	ВОР	PT	2330	2400	0.50	1284.0m		sure tested h	Kill and Choke	lines to 1700kPa (25	50psi) 5	mins / 34,	400kPa (50	00psi)
	To	tal Durati	on	1	24									
Opera	ations	For P	eriod	0000	Hrs to	0600 H	rs on	23 Oct 20	009					
CLS	PHSE	OP	From	То	Hrs	Depth				Activity Descrip	otion			
Р	ВОР	RBOP	0000	0600	6.00	1284.0m	Ran E	BOPs and R	iser from jt #1	6 (240m) to riser jt #	25 (377	m).		
	To	tal Durati	ion		6									
Casin	ng													
OI	D(in)	Csg	Shoe I	MD (Csg Sho (m)		LOT	(ppg)	FIT (ppg)	Weight (lbs/ft)	G	rade	KPI Score	Top of Liner
	30) "	56	9.44		569.44				310.0	>	(56		
	13 3/	8"	127	8.57	1	278.51				72.0	NT80	HE BTC		
WBM	Data													
Mud Ty	/pe:			API FL:			CI	:		Solids(%vol):		Visco	sity	
Sample	e-From:			Filter-C	ake:		K+	-C*1000:		H2O:		PV		
Time:				HTHP-F	FL:		На	ard/Ca:		Oil(%):		YP	4.0	
Weight	:			HTHP-c	cake:		ME	BT:		Sand:		Gels		
Temp:				Glycol:			PN	Л :		pH:		Fann		
				,			PF	:		PHPA:		Fann		
Comme	ent			Operati	onally di	scharged	PHG at	nd Guar Gur	m from nits. U	□ nable to bring brine f	or	Fann	100	
001111110	J110			new Ult	radril mu	ıd on boa	rd for lo	gistical/ VDI	_ stability reas	ons. Only able to be				
			:	small ar	mount of	polymers	s in drill\	water. NPT ((fluid related) -	0.		Fann		
DII. (04 1-											Fann	600	
Buik	Stock							I D .				1 .	1	
1010		ame		Uni			Used	Balance		Name	Unit	In	Used	Balance
'G' Cmt Fuel	İ			MT M3)	39 16.8	57.0 362.0	Drill Water Barite		M3 MT	0	60 0	115.0 0.0
Pot Wa	ıter			Ma		5	31	243.0	Bentonite		MT	0	0	73.0
Fresh v				M3			0	0.0	Zomomio					7 0.0
Suppl	ly Ves	sel		· · · · · · · · · · · · · · · · · · ·	<u> </u>									
Воа	ats	5	Status			Ві	ılks		Boats	Status			Bulks	
Lewek	Swift	On Stan	dby.		lte	em	Unit	Quantity		On Standby.		Item	Uni	t Quanti
					-uel		m3	493.7	Emerald		Fue		m3	413.7
					ot Wate		m3	389				Water	m3	74
					Orill Wat		m3	0				Il Water	m3	
				<u> </u>	CEMENT CEMENT		mt mt	0 88				MENT G MENT HT	mt mt	0
					(SILICA)		IIIL					LICA)	IIIL	
					Barite		mt	175			Bar	rite	mt	96

Helicopter	Movement			
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	11:51 / 12.01	8/8	S76

8

1500

mt

bbls

BRINE

Bentonite

0

1500

mt

bbls

Bentonite

BRINE



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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
ВНІ	6	Schlumberger MWD/LWD	3
BJ Tubulars	3	Subsea 7	6
Dowell Schlumberger	2	Petrotech	2

Lagging Indica	ators											
	HPI	LTI	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												

	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	0	93	0	0
Well To Date	3	2	2	2	0	0	2	790	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	2	2	2	0	0	2	790	1	1
Year To Date	3	2	2	2	0	0	2	790	1	1

Comments/ Findings

JSA Comp Checks 1 - Cementing Operations JSA - Good JSA held with all crew involved. Telephone communication between drill floor and cement unit identified as very poor (difficult due to high noise).

Number Observe Cards 93 - Safe/Unsafe: 66/27 (DODI - 47; ESS - 9; TPC - 29; WEL - 8)

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 22 Oct 2009

CAR: 44/143 items closed (11 critical)

Top Stop Cards: #1 - Observed stair tread on newly fabricated stairs for drill floor had been installed wrong way around. Placed a caution label to notify personnel it would be repaired when possible and prior to use as it could be an extreme slip, trip or fall hazard until then. #2 - Observed (2) galley staff members moving the large gas bottle for the drink machine. It was too heavy and hard to lift, suggested a trolly would be viable to prevent any future injury from this operation.

Operational Comments

Non-compliance trends: No hands on handrails. Obstructing safety equipment. Unsecured tubulars on pipedeck. Whipchecks and safety "R" clips rig-up. Three reports of personnel running around the decks.

DODI Supervisor audits conducted: 0 DODI Interventions conducted: 5

Woodside Interventions conducted: 3

Daily Environmental Checklist findings: Overall good environmental housekeeping. Replaced bunding next to aft fwd anchor and some scupper plugs in scupper drains that were missing.

Performance Summary

		aily				Cumulative Well										
P NPT SCC NSC					P NPT SCC				CC	NS	Total					
Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hours
24	100							179	93.23	13	6.77					192