

06 Nov 2009 DRILLING MORNING REPORT # 23 Somerset-1

Well Site Manager	: Dennis Bell / Kevin	Monkhouse					OIM: Rod Dotson
Well Data							
Country	Australia	Total Planned Days	27.60	M. Depth	2912.0m	Current Hole Size	12.250in
Field	Otway Basin	Actual Days	23.00	TVD	2912.0m	Casing OD	13.375in
Rig Contractor	DOGC	Planned Days Completed	16.5	Progress	0.0m	Shoe TVD	1278.5m
Rig	OCEAN PATRIOT	Days +/- Curve	+ 6.5 (Behind)			FIT/LOT	/ 1.70sg
Water Depth(LAT)	503.0m	Spud Date	19 Oct 2009			Last BOP Test	23 Oct 2009
RT-ASL(LAT)	21.5m	Operations @ 0600	Continuing to	work string	from 2552m	to 2533m while buildi	ng sufficient mud
RT-ML	524.5m		volume.				
		Planned Op	Continue to st	rip in hole to	o TD. Wait or	n barite.	

Cost Data				D	aily Cost: \$736,667
	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	\$	17,657,184	\$	25,100,000
Completion	\$ 0	\$	0	\$	0
Testing	\$ 0	\$	0	\$	0
Intervention	\$ 0	\$	0	\$	0
Well Total	\$ 29,000,000	\$	20,839,470	\$	30,600,000

Summary of Period 0000 to 2400 Hrs

Completed circulating riser to even 1.5sg (12.3ppg) mud weight, while waited on suitable weather window to commence stripping operations. Stripped in hole from 1103m to 2524m (some difficulties encountered).

Opera	Operations For Period 0000 Hrs to 2400 Hrs on 06 Nov 2009												
CLS	PHSE	OP	From	То	Hrs	Depth	Activity Description						
NPT (GWOR)	PA	WCT	0000	1200	12.00	2912.0m	Circulated and conditioned riser mud volume through booster line at 1540L/min (9.7bpm), 1100kPa (160psi). Returns circulated to a homogeneous and consistent mud wt - 1.5sg (12.3ppg). Continued to monitor well pressures. At 03:00hrs SICP - 2070kPa (300psi), KLM - 620kPa (90psi).						
							Concurrent Operations: Prepared and reviewed stripping JSA. Reviewed Diamond and WDL stripping procedures. Verified crew stripping experience level. Fabricated and installed stripping tank set up. Conducted trial stripping drill. Identified potential VDL limitations for impending receipt of barite. Backloaded excess weight and equipment from rig to accommodate same.						
NPT (GWOR)	PA	WCT	1200	1830	6.50	2912.0m	Continued to montior well pressure while waiting on barite and suitable weather conditions for stripping in hole.						
							Concurrent Operations: Conducted additional barite plug recipe tests.						
NPT (GWOR)	PA	WCT	1830	1900	0.50	2912.0m	Held JSA with rig crew (including deck crew) for stripping in hole to TD.						
NPT (GWOR)	PA	WCT	1900	2400	5.00	2912.0m	Stripped in hole from 2073m to 2425m - hole good. Annular pressure 4.1 - 4.8MPa (600-700psi). Took 18.1 - 36.3mt (40 - 80klbs) to go through tool joint.						
							Hole tight at 2450m with 27.2mt (60klbs) down weight. Worked string back, attempted to circulate. String plugged. Cleared blockage with 17.8MPa (2600psi). Pumped 0.8m3/m (5bpm) at 8.9MPa (1300psi). Hole good. Stripped in hole f/ 2430 to 2495m - encountered tight hole. Attempted to circulate - string plugged. Cleared blockage with 13.7MPa (2000psi).						
							At 24:00hrs SICP - 2415kPa (350psi), KLM - 1240kPa (180psi).						
Total Duration 24													
Opera	tions	For P	eriod	0000	Hrs to	0600 Hr	s on 07 Nov 2009						

Activity Description

4.00 | 2912.0m | Worked stand down with up to 22.7mt (50klbs) weight down f/ 2495m to 2581m. Hole tight.

То

Hrs

Depth

From

WCT 0000 0400

CLS

NPT

PHSE OP

РΑ



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CLS	PHSE	OP	From	То	Hrs	Depth				Activity Descrip	ption			
(GWOR) NPT (DHWC)	PA	WCT	0400	0600	2.00	2912.0m	Stud Bled Workith (IN Cor 0.8i deb Cor	ck - no reciped 0.73m3 (4 rked string for no pressure PROGRES attinued to we m3 (5bbls) for is.	rculate, hole pack procation or circulate. 6.6bbls), 138kPa (free with 67.9mt (free with 67.9mt (free Stripped pipe In S) Transferred basing from the string f	si), KLM gh choke n, pumpe fficient m half hou	- 1450kÞa (í e. ed 0.3m3/m nud volume. r to clear an	(2bpm) Pumped y hole		
	Tota	al Durat	ion		6			(1	,					
Casin	g													
OD	(in)	Cs(Shoe (m)	MD C	sg Sho (m		LO	T (ppg)	FIT (ppg)	Weight (lbs/ft)	Grad	de	KPI Score	Top of Liner
	30 " 569.44 569.44				569.44				310.0	X56	6			
	13 3/8	; "	127	8.57	1	278.51		14.20		STC				
WBM	Data													
Mud Typ	oe: F	Polymer	Mud	API FL:		4.0cc/30r	min (CI:	33000mg/l	Solids(%vol):	23.0%		sity	72sec/L
Sample-	From:			Filter-Ca	ake:	2/32	nd" l	<+C*1000:	2%	H2O:	77.0%	PV YP		34cp 42lb/100ft ²
Time:			11:00	HTHP-F	L:		H	Hard/Ca:	170mg/l	Oil(%):	0.0%	Gels 1		42ID/100It ²
Weight:		1.	.70sg	HTHP-c	ake:		r	МВТ:		Sand:	Trace			10
Temp:			49C°	Glycol:			F	PM:		pH:	8.5	Fann (003	8
							F	PF:	0.15	PHPA:		Fann (006	11
Comment Duovis (XC polymer) added to mud when circulating riser. Continued to mix 1.70 sg reserve mud until barite ran out. QC checks on barite from last two shipments failed QC check on 600 rpm alone (300 + / 270 dial units). No contaminants identified, product possibly of a finer grade. Built seawater polymer premix in preparation for barite. Physical inventory - adjustments made on DMR. NPT (fluid related) - 0. Fann 100 Fann 200 Fann 600											200 300	38 58 76 110		
Bulk S	tock													
	Na	me		Uni	t I	n	Used	Balance) N	Name	Unit	In	Used	Balance
'G' Cmt				MT		0	0	57.0	Drill Water		МЗ	40	52	361.0
Fuel				M3		0	11.8	376.7	Barite	MT	0	14	7.0	

Bulk Stock									
Name	Unit	In	Used	Balance	Name	Unit	In	Used	Balance
'G' Cmt	MT	0	0	57.0	Drill Water	МЗ	40	52	361.0
Fuel	М3	0	11.8	376.7	Barite	MT	0	14	7.0
Pot Water	М3	0	19	315.0	Bentonite	MT	0	0	57.0
CEMENT HT (SILICA)	MT	0	0	80.0					

Supply Ves	ssel								
Boats	Status	-	Bulks		Boats	Status	E	Bulks	
Lewek Swift	On Route to Ocean	Item	Unit	Quantity		On Standby	Item	Unit	Quantity
	Patriot. ETA - 04:00hrs 7/11/09.	Fuel	m3	378.4	Emerald		Fuel	m3	488
	04.00nrs 7/11/09.	Pot Water	m3	481			Pot Water	m3	115
		Drill Water	m3	511			Drill Water	m3	256
		CEMENT G	mt	66			CEMENT G	mt	40
		CEMENT HT (SILICA)	mt	0			CEMENT HT (SILICA)	mt	0
		Barite	mt	97			Barite	mt	0
		Bentonite	mt	0			Bentonite	mt	0
		BRINE	bbls	0			BRINE	bbls	424

Personnel On Board									
Company	Pax	Company	Pax						
Diamond Offshore	51	MI Australia PTY LTD	2						
ESS	8	Neptune	2						
Woodside	7	Subsea 7	6						
ВНІ	2	Weatherford	1						
Dowell Schlumberger	3	Tam International	1						
Dril-Quip	1								

Lagging Indicators														
	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	1	0	1	0		
Month To Date	0	0	0	0	0	0	0	0	0	0	0	0		
Year To Date	0	0	0	0	0	1	0	0	1	0	1	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	0	0	1	0	0	0	70	0	0
Well To Date	15	4	10	5	1	1	6	1997	1	4
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	5	0	2	1	0	0	2	411	0	1
Year To Date	15	4	10	5	1	1	6	1997	1	4

Comments/ Findings

Area Inspection 1 - Sack Room - Housekeeping could be improved. Level changes not marked. Eye wash station difficult to access. PPE locker low, need to restock.

Number Observe Cards 70 - Safe/Unsafe: 49/21 (DODI - 37; ESS - 11; TPC - 15; WEL -7)

Leading Indicators

	H&S INC/NM	Env NM				
24hr	0	0				
Well To Date	1	0				
Month To Date	1	0				
Year To Date	1	0				
Comments / Findings						

General Comments

00:00 to 24:00 Hrs on 06 Nov 2009

CAR: 87/143 items closed (13 critical)

Top Stop Cards: #1 While using the bulk barite system, noticed silo was not airing up to normal pressure. Went and checked and saw the lid at top was not done up properly and was leaking air. Bled silo down and tightened the lid correctly. Silo repressured properly and continued safely. #2 While making up a connection using rig tongs, I noticed that the snub line was not sitting on the shackle correctly. I stopped the job, notified the man and the problem was rectified.

Operational Comments

Non-compliance trends: Basic unsafe acts - not looking for overhead loads, not using hands on stairway hand rails. Positive - personnel are checking tools and equipment and ensuring that they are safe and serviceable for the job.

DODI Supervisor audits conducted: 0
DODI Interventions conducted: 5

Woodside Interventions conducted: 3

Daily Environmental Checklist findings: Cleaned excess hydraulic oil from anchor winch machine rooms. Assisted with hose watch for barite transfer from Lewek Emerald. Replaced soaker pads around the rig.

Performance Summary

	Daily								Cumulative Well									
P NPT SCC NSC					SC	ı	P NPT SCC NSC					Total						
Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hrs	%	Hours		
		24	100					294	53.26	256	46.38			2	0.36	552		