

From : Bryan Webb / Willie McKay
OIM : Rod Dotson

Well Data

Country	Australia	Measured Depth	2050.0m	Current Hole Size	311mm	AFE Cost	\$41,512,831
Field		TVD	1711.0m	Casing OD	346mm	AFE No.	5746043
Drill Contractor	DOGC	Progress	0.0m	Shoe MD	652.0m	Daily Cost	\$781,218
Rig	Ocean Patriot	Days from spud	47.87	Shoe TVD	652.0m	Cum Cost	\$46,342,328
Water Depth (LAT)	66.3m	Days on well	8.88	F.I.T. / L.O.T.	2.20sg / 2.20sg	Planned TD	2552.0m
RT-SL(LAT)	21.5m	Current Op @ 0600	RIH with 245 mm (9 5/8") casing at a depth of 994 m.				
RT-ML	87.8m	Planned Op	Cont RIH with 245 mm (9 5/8") casing. Change out handling equipment to 274 mm (10 3/4"). RIH with 274 mm (10 3/4") casing. Run 274 mm (10 3/4") casing hanger - RT launcher on 127 mm (5") drill pipe. Circulate casing contents. Cement casing as per programme. Set seal assy, P-Test and lay out cementing equipment.				
Rig Heading	217.0deg						

Summary of Period 0000 to 2400 Hrs

Cont RIH with 311 mm (12 1/4") BHA to 2,050 m. Circulated clean and POOH to surface racking back 311 mm (12 1/4") BHA in derrick. P/U and M/U jetting and WBRT assembly. Jetted wellhead and BOP's. Latched onto WB and retrieved same, damage observed. Held JSA, R/U 245 mm (9 5/8") casing handling equipment and commenced running 245 mm (9 5/8") casing as per running list.

Formations

Name	Top (MD)	Top (TVD)	Comment
Timboon	1214.5m	1202.4m	0.2 L
Paaratte	1413.0m	1380.0m	2.3 H
Skull Creek	1665.0m	1558.6m	5.4 H
Waarre A	2040.0m	1709.5m	5.0 H

Operations For Period 0000 Hrs to 2400 Hrs on 11 Oct 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	U (SCS)	TI	0000	0030	0.50	2050.0m	Cont RIH from 1,853 m to 2,050 m.
IC	U (SCS)	CHC	0030	0145	1.25	2050.0m	Pumped a 4.8 m3, (30 bbl) sweep weighing 1.62 SG, (13.5 ppg) and circulated until clean at the shale shakers. Increase in cuttings seen when weighted sweep returned to surface.
IC	U (SCS)	FC	0145	0200	0.25	2050.0m	Conducted flow check, well static.
IC	U (SCS)	TO	0200	0630	4.50	2050.0m	POOH wet with the 311 mm (12 1/4") BHA from 2,050 m to 650 m with no hole problems being encountered.
IC	U (SCS)	TO	0630	0830	2.00	2050.0m	Conducted flow check and continued POOH with 31 mm (12 1/4") BHA from 650 m to 164 m. Rig tongs were used to break drill pipe from 441 m due to excessive torque.
IC	U (SCS)	HBHA	0830	0930	1.00	2050.0m	Broke out and racked back 127 mm (5") HWDP and (12 1/4") BHA.
IC	U (SCS)	HBHA	0930	1000	0.50	2050.0m	Downloaded MWD tool in rotary. Broke of 311 mm (12 1/4") drill bit and racked MWD back in derrick. Pulled diverter bag.
IC	U (SCS)	HT	1000	1100	1.00	2050.0m	Picked up and made up jetting sub/WBRT on to 1 stand of 127 mm (5") HWDP.
IC	U (SCS)	WH	1100	1230	1.50	2050.0m	RIH to 85 m with jetting assembly and jetted wellhead/BOP's with 1,665 l/min, (440 gpm) and 5.5 MPa, (800 psi).
IC	U (SCS)	WH	1230	1300	0.50	2050.0m	Retrieved wear bushing and pulled back to surface. Damage observed around top of wear bushing.
IC	U (SCS)	HT	1300	1330	0.50	2050.0m	Rigged down and laid out WBRT.
IC	U (SCS)	WH	1330	1430	1.00	2050.0m	RIH with jetting sub. Conducted soft function test on BOP rams. Jetted BOP's with 1,665 l/min, (440 gpm) and 5.5 MPa, (800 psi).
IC	U (SCS)	TO	1430	1530	1.00	2050.0m	POOH with jetting sub and laid out same.
IC	U (SCS)	HT	1530	1700	1.50	2050.0m	Picked up CHSRT, broke off 1 single and laid out. Picked up and made up 1 pup joint. Made up cement plug launching assembly. Picked up 1 joint of 274 mm (10 3/4") casing and made up to CSHRT and racked back in derrick.
IC	U (SCS)	RRC	1700	1800	1.00	2050.0m	Held JSA and rigged up casing running equipment.
IC	U (SCS)	CRN	1800	1900	1.00	2050.0m	Picked up 245 mm (9 5/8") casing shoe, backed out casing collar, thread locked and made back up. Installed fill up tool to TDS.
IC	U (SCS)	CRN	1900	2000	1.00	2050.0m	Rigged up 500 mt bails and 245 mm (9 5/8") casing elevators.

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	U (SCS)	CRN	2000	2100	1.00	2050.0m	Made up 245 mm (9 5/8") intermediate joint, float collar and thread locked casing collars as on 245 mm (9 5/8") shoe joint.
IC	U (SCS)	CRN	2100	2200	1.00	2050.0m	Changed out 245 mm (9 5/8") double jawed casing tongs for single make up ones.
IC	U (SCS)	CRN	2200	2300	1.00	2050.0m	RIH with 245 mm (9 5/8) casing from 37.5 m to 135 m.
IC	TU (VE)	CRN	2300	2330	0.50	2050.0m	Trouble shoot and replaced fitting on casing tong hydraulic hose.
IC	U (SCS)	CRN	2330	2400	0.50	2050.0m	Continued running 245 mm (9 5/8") casing from 135 m to 182 m.

Operations For Period 0000 Hrs to 0600 Hrs on 12 Oct 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	U (SCS)	CRN	0000	0600	6.00	2050.0m	(IN PROGRESS) Continued running 245 mm (9 5/8") casing from 182 m to 1,541 m.

WBM Data		Cost Today \$ 6296							
Mud Type:	KCL/GLY	API FL:	3cm ³ /30m	KCl:	11%	Solids:	14.64	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:	1mm	Hard/Ca:	720	H2O:	85%	PV:	0.029Pa/s
Time:	20:00	HTHP-FL:		MBT:	7.5	Oil:		YP:	0.163MPa
Weight:	1.44sg	HTHP-Cake:		PM:	0.1	Sand:	0.75	Gels 10s:	0.038
Temp:	49.0C°			PF:	0	pH:	8.5	Gels 10m:	0.096
						PHPA:	1ppb	Fann 003:	8
								Fann 006:	11
								Fann 100:	40
								Fann 200:	57
								Fann 300:	71
								Fann 600:	103
Comment	Discharged 50 bbl of dead volume in Pit 1, and Slug pit. Cleaned out and flushed Pit 1 & 5. Prepared 105 bbl (Brine, Citric Acid and SAPP) pill in Pit 1 using KCL brine. Conducted chemical inventory check in sack room.								

Bit # 12			Wear	I	O1	D	L	B	G	O2	R
				0	8	WT	S	X	2	BT	TD
Size:	311mm	IADC#	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	SMITH	WOB(avg)	No.	Size	Progress	0.0m	Cum. Progress	1000.0m			
Type:	PDC	RPM(avg)	2	16/32nd"	On Bottom Hrs	-20.48h	Cum. On Btm Hrs	45.10h			
Serial No.:	JX7062	F.Rate	3	18/32nd"	IADC Drill Hrs	0.00h	Cum IADC Drill Hrs	76.04h			
Bit Model	MD519BPX	SPP			Total Revs		Cum Total Revs	0			
Depth In	1050.0m	TFA	1.138		ROP(avg)	N/A	ROP(avg)	22.17 m/hr			
Depth Out	2050.0m										

BHA # 16							
Weight(Wet)	19.05mt	Length	212.0m	Torque(max)	16320.0Nm	D.C. (1) Ann Velocity	0mpm
Wt Below Jar(Wet)	17.24mt	String	106.59mt	Torque(Off.Btm)	6120.0Nm	D.C. (2) Ann Velocity	0mpm
		Pick-Up	108.86mt	Torque(On.Btm)	11424.0Nm	H.W.D.P. Ann Velocity	0mpm
		Slack-Off	95.25mt			D.P. Ann Velocity	0mpm

BHA Run Description		Directional / FEWD				
Equipment	Length	OD	ID	Serial #	Comment	
Bit	0.30m	311mm		JX7062	Smith MDI519	
Powerdrive 900	9.05m	308mm	127mm	090	X5 assy (float, receiver sub and flex sub)	
ARC-8	5.87m	231mm	76mm	1854		
In-Line Stabiliser	0.88m	291mm	111mm	242230733		
Telescope HF	8.13m	213mm	76mm	E1158		
NMDC	9.37m	226mm	71mm	SBD4466		
NMDC	8.55m	213mm	71mm	N688		
X/O	0.70m	203mm	67mm	ASQ8065		
HWDP	121.38m	175mm	76mm			
6.375in Jars	9.73m	162mm	70mm	DAH01628		
HWDP	37.30m					

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	Comment
Barite	mT	0	3	0	54.0	
Gel	mT	0	0	0	31.0	
Cement	mT	0	0	0	46.0	
Fuel	m3	0	14.1	0	403.7	
Potable Water	m3	23	0	0	366.0	
Drill Water	m3	26	0	0	563.0	

Personnel On Board		
Company	Comment	Pax
Santos		6
DOGC		53
ESS		8
BHI		6
Dowell		2
Rheochem		2
MI Swaco		1
TMT		6
Cameron		1
Schlumberger Drilling & Measurements	Directional	6
Premium Casing Services		6
Total		97

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	05 Oct 2008	6 Days	Abandon drill completed after the simulated fire drill under control. Alarm sounded at 10:31 hrs, initial muster completed at 10:41 hrs, full muster completed at 10:49 hrs.
Environmental Audit	1	03 Sep 2008	38 Days	Rig visit by DPI. Conducted an environmental audit on Santos operation.
Fire Drill	1	05 Oct 2008	6 Days	Simulated a fire in the cement unit room. Alarm sounded at 10:31 hrs, emergency under control at 10:41 hrs. Rescue and fire teams discussed scenario and resolution.
First Aid	1	09 Oct 2008	2 Days	IP turned his left foot while entering the shaker house.
JHA	43	11 Oct 2008	0 Days	Drill crew - 18 Deck Crew - 15 Welder - 6 Mechanic - 2 Electrician - 0 3rd Party - 2
Lost Time Incident	1	30 May 2008	134 Days	Man had his left hand caught between an 8" drill collar and the casing tongs when he was trying to secure the tong. Preliminary checks on the rig deemed only stitches required and the hand was not broken. The person was medivac'd off the rig @ 23:00hrs. Man was released from Royal Hobart hospital with 12 stitches to the hand (no broken bones).
Medical Treatment Incident	1	13 Aug 2008	59 Days	During lifting operations of 3rd party tooling on the pipe deck, IP was assisting the dogman in attaching slings to the whip-line hook. During this process the hook swung and hit the IP in the side of the hardhat resulting in an injury to the IP's neck. The IP was immobilised as a precautionary measure, treated as per symptoms and in readiness for medivac to hospital for further assessment.
Pre-Tour Meeting	4	11 Oct 2008	0 Days	Discussed the next 24 hr operation. Running casing. Pre-planning for upcoming operations. Pit cleaning. Good JSA's to be conducted.
PTW Issued	12	11 Oct 2008	0 Days	7 x hot work 5 x cold work
Safety Audit	1	29 Jul 2008	74 Days	Santos environment audit conducted.
Safety Audit	1	30 Jul 2008	73 Days	EHSMS audit conducted onboard.
Safety Meeting	3	05 Oct 2008	6 Days	Reviewed stop cards for the week and awarded Santos Stop card winner to Hayden S, PCS. Discussed the fire drill and the scenario of a fire in the cement unit room. Reviewed abandon rig scenario. Discussed fire systems on rig.
Santos Induction	3	08 Oct 2008	3 Days	Inducted new personnel to site after DODI rig wide induction.
Stop Observations	41	11 Oct 2008	0 Days	26 - Safe 17 - Corrective Actions
STOP Tour	3	11 Oct 2008	0 Days	Submitted 3 by Diamond supervisor Stop audit.

Shakers, Volumes and Losses Data				Engineer : Julian Chapman / Carissa Thompson			
Available	345.6m ³	Losses	23.2m ³	Equip.	Descr.	Mesh Size	Hours
Active	75.8m ³	Downhole		Centrifuge 1	MI SW FVS 518		1
Mixing		Surf+ Equip	8.9m ³	Centrifuge 2	MI SW FVS 518		
Hole	166.5m ³	Dumped	7.9m ³	Shaker 3	MI SW - BEM 650	40/20 230 HC x 4	24
Slug	0.0m ³	De-Sander		Shaker 4	MI SW - BEM 650	30/20 200 HC x 4	24
Reserve	76.3m ³	De-Silter		Shaker 5	MI SW - BEM 650	30/20 200 HC x 4	24
Kill	0.0m ³	Centrifuge	1.0m ³	Shaker 6	MI SW - BEM 650	40/20 165 HC x 4	24
Storage	27.0m ³	Tripping	5.4m ³				
Comment	Commenced pit cleaning operations.						

Marine								Rig Support		
Weather check on 11 Oct 2008 at 24:00								Anchors	Chain out (m)	Tension (mt)
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	1	1353.0	130.18
14.8km	9km/h	310.0deg	1018.00bar	17.0C°	0.2m	310.0deg	2sec	2	1372.8	130.18
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments				
0.3deg	0.3deg	0.50m	3.0m	225.0deg	12sec					
Rig Dir.	Ris. Tension	VDL	Comments							
217.0deg	110.22mt	975.68mt								
								3	1386.8	125.19
								4	1414.0	127.91
								5	1365.8	122.92
								6	1389.9	128.82
								7	1393.9	141.07
								8	1389.9	110.22

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip		00:15 hrs 11/10/03	Running Standby.	Item	Unit	Quantity
				Fuel	m3	506
				Potable Water	m3	212
				Drill Water	m3	615
				Gel	mt	59
				Cement	mt	84
				Barite	mt	41
				KCl Brine	bbbl	52
				NaCl Brine	bbbl	0
					bbbl	823
Nor Captain	00:15 hrs 11/10/08		Enroute To Rig.	Item	Unit	Quantity
				Fuel	m3	564
				Potable Water	m3	378
				Drill Water	m3	319
				Gel	mt	42
				Cement	mt	0
				Barite	mt	0
				KCl Brine	bbbl	0
				NaCl Brine	bbbl	0
					bbbl	657

Helicopter Movement					
Flight #	Time	Destination	Comment	Pax	
BYV	10:06	Essendon	Today's Helicopter Was Carrying Freight Only.	0	
BYV	10:14	Ocean Patriot		0	