

From : Chris Roots / Nathan Peri
OIM : Dennis Gore

Well Data

Country	Australia	Measured Depth	657.0m	Current Hole Size	315mm	AFE Cost	\$41,512,831
Field		TVD	657.0m	Casing OD	340mm	AFE No.	5746043
Drill Contractor	DOGC	Progress	0.0m	Shoe MD	652.0m	Daily Cost	\$796,672
Rig	Ocean Patriot	Days from spud	3.87	Shoe TVD	652.0m	Cum Cost	\$10,481,332
Water Depth (LAT)	66.3m	Days on well	4.58	F.I.T. / L.O.T.	/	Planned TD	2552.0m
RT-SL(LAT)	21.5m	Current Op @ 0600	Attempted to untangle ROV from the guidelines.				
RT-ML	87.8m	Planned Op	Continue to untangle ROV from the guidewires.				
Rig Heading	217.0deg	Run the BOPs and pressure test same. Set Wear Bushing in the wellhead. Pick up 311mm (12.25") BHA. Drill out shoe track.					

Summary of Period 0000 to 2400 Hrs

Completed running 340mm (13.375") casing. Made up 18-3/4' wellhead to drill pipe and landed and latched the wellhead. Circulated the casing volume and then mixed and pumped 41 m³ (256bbls) of (12.6ppg) class G cement followed by 17.9 m³ (112bbls) of class G tail slurry. Displaced with 41.8 m³ (261.8bbl) of sea water to bump the plug. Pressure tested the casing to 34.7 MPa (5000psi) for 10 minutes. release running tool and POH.
Picked up the XT, run and latched XT, conducted overpull to confirm latch. Completed wellhead gasket pressure. Release running tool and POH. Rig up to run BOPs.

Operations For Period 0000 Hrs to 2400 Hrs on 28 Aug 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
SH	P	CRN	0000	0330	3.50	657.0m	Continued running 340mm x 101 kg/m L80 BTC (13-3/8", 68ppf) casing to 543m.
SH	P	HT	0330	0430	1.00	657.0m	Laid out the 500t spider elevators and Fill up tool. Made up the casing side door elevators.
SH	P	CRN	0430	0500	0.50	657.0m	Picked up the 340mm X-over joint (BTC x Lynx HD) and made up to the casing string. Changed out elevators to drill pipe elevators.
SH	P	CRN	0500	0600	1.00	657.0m	Picked up the 476mm (18-3/4") Housing assembly, installed the DSE cement plug basket. Stabbed the assembly onto the casing string. Removed the FMS.
SH	P	CRN	0600	0800	2.00	657.0m	Run casing down on 127mm (5") drill pipe to 75m. Good hole conditions observed running casing. Picked up and made up Deepsea Express cement head to the landing string and to the TDS, made up cement lines. Washed casing down and landed the 476mm (18-3/4") Housing with 40t (90 klbs) at 85.8m. Overpulled 22t (50 klbs) to confirm latch.
SH	P	CIC	0800	0930	1.50	657.0m	Increased circulating sea water from 640 L/min (170gpm) to 1120 L/min (300gpm) and pumped total casing volume x 1.25 (50 m ³ , 325bbls). Held Cementing JSA.
SC	P	CRN	0930	1000	0.50	657.0m	Lined up to the cement unit. Pumped 0.8 m ³ (5bbl) sea water. Pressure tested surface lines to 20.7 MPa (3000psi). Dropped bottom DSE dart, chased with 4.8 m ³ (30bbls) fluorescene dyed sea water. DSE dart landed after 1.0 m ³ (6.1 bbls) and sheared at 18.5 MPa (2640psi).
SC	P	CMC	1000	1100	1.00	657.0m	Mixed Lead slurry: 41.0 m ³ (256 bbls) at 1.5 sg (12.5 ppg) class G with pumping rate of 1005 L/min (6.2 bpm). Total sx used 640. Mixed Tail slurry: 17.5 m ³ (112 bbls) of 1.9 sg (15.8 ppg) class G with a pumping rate of 953 L/min (6 bpm). Total sx used 533.
SC	P	CMC	1100	1230	1.50	657.0m	Released top DSE dart from cement head and chased with 1.0 m ³ (6.1 bbls) of sea water, top plug sheared at 15.2 m ³ (2180 psi). Pumped a further 0.6 m ³ (4 bbls) of sea water. Changed over to rig pumps. Displaced casing with 41.3 m ³ (257.8 bbls) of sea water at 1755 L/min (11 bpm). Reduced pump rate to 600 L/min (4bpm), bumped plug to 6.9 MPa (1000psi). Swapped to the cement unit and continued to pressure the casing to 24.0 MPa (3430psi). Pressure tested the casing for 10 minutes. Bled off pressure, 0.4m ³ (2.6 bbl) returned, floats held. Fluorescene dye observed and a PH reading of 10.1 noted by ROV during cement displacement.
SC	P	TO	1230	1500	2.50	657.0m	Rigged down cement lines. Backed out the 476mm (18-3/4") CART from the wellhead. POH, laid out the DSE cement head, 18-3/4" CART and cement basket. Cleared rig floor.
SC	P	XT	1500	1730	2.50	657.0m	Moved the rig off location 25m to starboard. Moved the XT below well center and made up the drill pipe R/Tool to the XT. Installed the guide wires to the XT funnels and attached IWOCs clamps to the drill pipe. Picked up the XT and lowered through the splash zone.
SC	P	XT	1730	2330	6.00	657.0m	Moved the rig back over location. Lowered the XT down and landed and latched to the wellhead. ROV observed the XT locking indicator, conducted an overpull of 22.2 t (50 klbs). Pressure tested the AXT to 34.5 MPa (5000psi), good test. Unlatch XT running tool, POH. Secured the running tool to the skate.
SC	P	RR1	2330	2400	0.50	657.0m	Moved the rig off location 25m to starboard, prepared the rig floor for running Riser.

Operations For Period 0000 Hrs to 0600 Hrs on 29 Aug 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
SC	P	RR1	0000	0030	0.50	657.0m	Continued rigging up to run Riser.
SC	P	RR1	0030	0300	2.50	657.0m	Picked up 1 x (15m), 1 x (13.7m) and 1 x (7.5m) Riser joints.
SC	TP (VE)	ROV	0300	0600	3.00	657.0m	ROV became entangled in the guidewires while deploying the VX gasket. Continue to work ROV free.

WBM Data **Cost Today \$ 36500**

Mud Type:	SW/PacR	API FL:	KCl:	Solids:	3	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:	Hard/Ca:	H2O:	97%	PV:	0.029Pa/s
Time:	21:00	HTHP-FL:	MBT:	Oil:		YP:	0.297MPa
Weight:	1.03sg	HTHP-Cake:	PM:	Sand:		Gels 10s:	0.043
Temp:			PF:	pH:	8.5	Gels 10m:	0.048
				PHPA:		Fann 003:	10
						Fann 006:	13
						Fann 100:	58
						Fann 200:	77
						Fann 300:	91
						Fann 600:	120

Comment Build 667 bbl 3.03.6ppb SW/Pac R mud system in Pits 1, 2, and SC Pits for drilling initial 12.25" top section. Mix 470 bbl new KCL/Glycol premix in Pit 5. Discharge 436bbl PHB to accommodate for recycled mud from Nor Captain. Charge off 470 bbl KCL/Glycol Brine under 12.25" section received yesterday. Receive remaining chemicals from Nor Captain: 4 BBags of KCL+16 dr of EBL+911 bbl of 10.8 ppg KCL/Glycol mud to Pit 3 and 4. Mud Check #2 & #3 New Seawater/Pac R premix. KCL/Glycol mud check after centrifuging and blending completed on tomorrows report.

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance	Comment
Barite	mT	0	0	0	148.0	
Gel	mT	0	0	0	33.0	
Cement	mT	0	46	0	63.0	
Fuel	m3	0	8.7	0	486.1	
Potable Water	m3	21	24	0	362.0	
Drill Water	m3	8	20	0	589.0	

Personnel On Board

Company	Comment	Pax
Santos		4
DOGC		54
ESS		8
BHI		4
Dowell		2
Rheochem		2
MI Swaco		1
TMT		6
Premium Casing Services		7
Cameron		4
Schlumberger Drilling & Measurements		3
Santos		2
Caprock		1
Total		98

Casing

OD	L.O.T. / F.I.T.	Casing Shoe (MD/TVD)	Cementing
762mm	/	131.70/131.70	916sxs 15.8ppg Class G
340mm	/	652.00/652.00	

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	24 Aug 2008	4 Days	Abandonment drill completed after the fire drill. Completed full muster after emergency under control in 25 minutes, initial muster completed in 11 min.
Fire Drill	1	24 Aug 2008	4 Days	Simulated fire in the paint locker. Emergency alarm sounded at 22:20hrs, emergency under control at 22:35hrs.
First Aid	1	13 Aug 2008	15 Days	During the relocation of a container on the port pipe deck, IP located hand on corner of a container to assist another roustabout to steady for placement. IP looked at the base of the container when it swung and caught his hand between the container and wall resulting in a bruised hand.
JHA	34	28 Aug 2008	0 Days	Drill crew - 11 Deck Crew - 14 Welder - 5 Subsea - 2 Mech - 2
Lost Time Incident	1	30 May 2008	90 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	15 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	28 Aug 2008	0 Days	Discussed upcoming operations and associated hazards prior to each shift starting.
PTW Issued	11	26 Aug 2008	2 Days	5 x hot work permits 6 x cold work permits
Rig Inspection	2	20 Aug 2008	8 Days	Conducted 2 by Santos STOP audits. 1 in moonpool: found several housekeeping issues with wire rope and hoses causing potential trip hazards. Wrapped blue pod line with caution tape and removed grease cans no longer required. 2 in sack room: conducted STOP audit during glycol handling operations. Good understanding of hazards, PPE and operations throughout job. Completed safely and efficiently.
Safety Audit	1	30 Jul 2008	29 Days	EHSMS audit conducted onboard.
Safety Meeting	1	26 Aug 2008	2 Days	Held a pre-spud meeting with all parties on the drill floor. Discussed the operation and also the shallow gas procedures.
Santos Induction	3	28 Aug 2008	0 Days	Conducted Santos induction to new personnel to site after DODI induction.
Stop Observations	60	28 Aug 2008	0 Days	41 - Safe 19 - Corrective Actions
STOP Tour	0	28 Aug 2008	0 Days	Submitted Diamond supervisor audits.

Shakers, Volumes and Losses Data				Engineer : Carissa Thompson / Wojciech Czarmy			
Available	325.6m ³	Losses	69.3m ³	Equip.	Descr.	Mesh Size	Hours
Active	0.0m ³	Downhole		Centrifuge 1			
Mixing		Surf+ Equip	0.0m ³	Centrifuge 1	MI SW FVS 518		
Hole	0.0m ³	Dumped	69.3m ³	Centrifuge 2			
Slug		De-Sander		Centrifuge 2	MI SW FVS 518		
Reserve	106.0m ³	De-Silter		Shaker 3			
Kill	0.0m ³			Shaker 3	MI SW - BEM 650		
KCL/Gly	219.6m ³	Centrifuge		Shaker 4			
				Shaker 4	MI SW - BEM 650		
				Shaker 5			
				Shaker 5	MI SW - BEM 650		
				Shaker 6			
				Shaker 6	MI SW - BEM 650		
Comment	Reserve volume = SW/PacR. Dumped remaining PHG mud.						

Marine								Rig Support		
Weather check on 28 Aug 2008 at 24:00										
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Chain out (m)	Tension (mt)
18.5km	19km/h	90.0deg	1027.00bar	10.0C°	0.5m	0.0deg	0sec	1	1353.0	130.18
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments				
0.3deg	0.3deg	5.00m	3.0m	225.0deg	13sec					
Rig Dir.	Ris. Tension	VDL	Comments							
217.0deg	0.00mt	993.37mt								
								8	1389.9	131.09

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip		23:40 hrs 27/08/08	Transit to Portland	Item	Unit	Quantity
				Fuel	m3	300
				Potable Water	m3	440
				Drill Water	m3	340
				Gel	mt	59
				Cement	mt	0
				Barite	mt	84
				KCl Brine	m3	156
				NaCl Brine	m3	0
	m3	117				
Nor Captain	23:15hrs 27.08.08		On location Ocean Patriot	Item	Unit	Quantity
				Fuel	m3	500
				Potable Water	m3	244
				Drill Water	m3	152
				Gel	mt	0
				Cement	mt	0
				Barite	mt	84
				KCl Brine	m3	
				NaCl Brine	m3	
Mud	m3	224				

Helicopter Movement					
Flight #	Time	Destination	Comment	Pax	
GYJ	11:29	Ocean Patriot		15	
GYJ	11:46	Essendon		10	