

**From : Chris Roots / Nathan Peri**  
**OIM : Rod Dotson**

**Well Data**

Country	Australia	Measured Depth	657.0m	Current Hole Size	445mm	AFE Cost	\$41,512,831
Field		TVD	657.0m	Casing OD	762mm	AFE No.	5746043
Drill Contractor	DOGC	Progress	261.0m	Shoe MD	131.7m	Daily Cost	\$1,073,219
Rig	Ocean Patriot	Days from spud	2.87	Shoe TVD	131.7m	Cum Cost	\$9,684,660
Water Depth (LAT)	66.3m	Days on well	3.58	F.I.T. / L.O.T.	/	Planned TD	2552.0m
RT-SL(LAT)	21.5m	Current Op @ 0600	Made up 18-3/4" Housing to casing string. Changing out FMS to master bushings.				
RT-ML	87.8m	Planned Op	Run casing on drill pipe and land out the housing. Circulate the casing volume. Cement the casing in. Release running tool from the wellhead and POH. Run the XT.				
Rig Heading	217.0deg						

**Summary of Period 0000 to 2400 Hrs**

Drilled 445mm (17.5") hole to casing point at 657m.  
Dropped EMS survey on bottom and POH. Retrieved the EMS survey on wireline from 29m. Racked back BHA and broke off the bit. Rigged up and ran 340mm casing down to 147m.

**Operations For Period 0000 Hrs to 2400 Hrs on 27 Aug 2008**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
SH	P	DA	0000	0800	8.00	657.0m	Drilled ahead 445mm (17-1/2") hole from 396m to 657 mRT (261m), ROP 30m/hr. Reamed connections and surveyed every third stand with anderdrift. Pumped 12 m <sup>3</sup> (75bbl) sweep on connections and 7.9m <sup>3</sup> (50bbl) midstand. Parameters: 140rpm, 4164 L/min (1100gpm), SPP 19.3 MPA (2800psi) 17 - 22.0 t (40-50 klbs), torq 13.0 kdaNm (10 kft/lbs). Last survey at 554m = 0.0°
SH	P	DIS	0800	0930	1.50	657.0m	Pumped 32 m <sup>3</sup> (200bbls) of Hi-Vis kill mud and then displaced to 115 m <sup>3</sup> (720bbls) of PHG mud. Spotted 16 m <sup>3</sup> (100bbl) of 1.15 sg (9.6ppg) KCL pill on bottom, displaced to balance with PHG mud.
SH	P	TO	0930	1230	3.00	657.0m	Dropped EMS survey tool on bottom and POH to 152m. Good hole conditions observed.
SH	P	TO	1230	1500	2.50	657.0m	Observed 4.5 t (10 klbs) overpull with the string stabilizer coming into the casing shoe. PU one single of DP, made up TDS and rotated the stabilizers and bit through the shoe to 114m. Laid out 1 x 203mm (8") DC to enable bit to be pulled clear of the wellhead on connection. Picked up 1 x 203mm (8") DC to rack complete stands.
SH	P	TO	1500	1630	1.50	657.0m	Ran wireline and pulled the EMS survey at 29m. Racked back the remaining BHA, broke off bit. EMS survey results max inclination 0.91° at 366m.
SH	P	TO	1630	1730	1.00	657.0m	Picked up 18-3/4" CART and made up drill pipe single below and pup joint above. Laid out same.
SH	P	RRC	1730	2030	3.00	657.0m	Held Casing Rig Up JSA on the rig floor. Rigged up 340mm (13-3/8") casing handling equipment.
SH	P	CRN	2030	2400	3.50	657.0m	Picked up Float Shoe, Intermediate Jt and Float Collar, baker locked connections and flow checked the floats. Tied off soft guide ropes to the float shoe. Picked up and ran 340mm x 101 kg/m L80 BTC (13-3/8", 68ppf) casing to 85m. ROV observed the shoe entering the wellhead, continued running casing down to 147m.

**Operations For Period 0000 Hrs to 0600 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	0445	1.25	657.0m	Laid out the 500T spider elevators and Fill up tool. Made up the casing side door elevators.
SH	P	CRN	0445	0500	0.25	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 18-3/4" Housing assembly, installed the DSE cement plug basket. Stabbed the assembly onto the casing string. Prepared to remove the FMS.

WBM Data			Cost Today \$ 9000				
Mud Type:	PHG	API FL:	KCl:	Solids:	3	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:	Hard/Ca:	H2O:	97%	PV:	0.012Pa/s
Time:	17:30	HTHP-FL:	MBT:	Oil:		YP:	0.441MPa
Weight:	1.05sg	HTHP-Cake:	PM:	Sand:		Gels 10s:	0.287
Temp:			PF:	pH:	9.5	Gels 10m:	0.297
				PHPA:		Fann 003:	65
						Fann 006:	80
						Fann 100:	97
						Fann 200:	102
						Fann 300:	104
						Fann 600:	116
Comment: Mix PHG @ 29 ppb for sweeps. Mix 22 ppb KCL pill. Sweep the hole with 125-175 bbl per stand as per Santos order to clean the hole. Receive 470 bbl 9.3ppg KCL/Glycol Brine from the Far Grip into clean Pit 5will charge off tomorrow to separate the cost from 17.5" section. Receive: 80 Drispac R + 24 EBL +24 Glychem + 18 BB KCL from Far Grip.							

Bit # 2				Wear	I	O1	D	L	B	G	O2	R
				0	0	NO	A	E	I	NO	TD	
Size:	445mm	IADC#	115	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	HUGHES	WOB(avg)	9.53mt	No.	Size	Progress	261.0m	Cum. Progress	524.0m			
Type:	Rock	RPM(avg)	130	4	18/32nd"	On Bottom Hrs	6.30h	Cum. On Btm Hrs	14.76h			
Serial No.:	6063142	F.Rate	4088lpm			IADC Drill Hrs	8.00h	Cum IADC Drill Hrs	17.00h			
Bit Model	MXL-1V	SPP	18581kPa			Total Revs	49600	Cum Total Revs	49627			
Depth In	131.7m	TFA	0.994			ROP(avg)	41.43 m/hr	ROP(avg)	35.50 m/hr			
Depth Out	657.0m											
Daily Comment		No backreaming required. Slick hole conditions.										
Bitwear Comment		Green bit, good for a rerun.										

BHA # 2							
Weight(Wet)	49.90mt	Length	294.4m	Torque(max)	19040.0Nm	D.C. (1) Ann Velocity	33.6mpm
Wt Below Jar(Wet)	27.22mt	String	99.79mt	Torque(Off.Btm)	4080.0Nm	D.C. (2) Ann Velocity	37.35mpm
		Pick-Up	106.59mt	Torque(On.Btm)	10880.0Nm	H.W.D.P. Ann Velocity	28.69mpm
		Slack-Off	104.33mt			D.P. Ann Velocity	28.69mpm

BHA Run Description: Packed assembly.

BHA Run Comment: The stabilisers and bit were balled up (topside of bit).

Equipment	Length	OD	ID	Serial #	Comment
Bit	0.42m	445mm		6063142	
17.25 Near Bit Stabilizer	2.56m	438mm	76mm	XM771	Non-ported float.
Anderdrift	3.10m	245mm	76mm	ADB995	
17.25in String Stabilizer	2.42m	438mm	76mm	XM773	Totco ring installed.
NMDC	8.93m	241mm	76mm	6613	
17.25in String Stabilizer	2.43m	438mm	76mm	XM775	
Drill Collar	18.61m	241mm	76mm		
X/O	1.08m	241mm	76mm	GUD1204	
Drill Collar	84.37m	210mm	73mm		
8in Hydraulic Jars	10.11m	210mm	76mm	718086	
Drill Collar	18.91m	210mm	73mm		
X/O	1.09m	203mm	65mm	GUD1231-6	
HWDP	140.39m	175mm	78mm		

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
634.07	0.5	178.3	634.00					EMS

<b>Bulk Stocks</b>						
Name	Unit	In	Used	Adjust	Balance	Comment
Barite	mT	0	0	0	148.0	
Gel	mT	0	18	0	33.0	
Cement	mT	37	0	0	109.0	
Fuel	m3	0	16.2	0	494.8	
Potable Water	m3	35	27	0	365.0	
Drill Water	m3	0	253	0	601.0	

<b>Personnel On Board</b>		
Company	Comment	Pax
Santos		4
DOGC		52
ESS		8
BHI		4
Dowell		2
Rheochem		2
TMT		6
Premium Casing Services		7
Cameron		4
Schlumberger Drilling & Measurements		2
Santos		2
<b>Total</b>		<b>93</b>

<b>Casing</b>			
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	3 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	3 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	14 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	60	27 Aug 2008	0 Days	Drill crew - 15 Deck Crew - 26 Welder - 7 Subsea - 2 Mech - 10
Lost Time Incident	1	30 May 2008	89 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	14 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	27 Aug 2008	0 Days	Discussed upcoming operations and associated hazards prior to each shift starting.
PTW Issued	17	26 Aug 2008	1 Day	7 x hot work permits 10 x cold work permits
Rig Inspection	2	20 Aug 2008	7 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	28 Days	EHSMS audit conducted onboard.
Safety Meeting	1	26 Aug 2008	1 Day	Held a pre-spud meeting with all parties on the drill floor. Discussed the operation and also the shallow gas procedures.
Santos Induction	9	26 Aug 2008	1 Day	Conducted Santos induction to new personnel to site after DODI induction.
Stop Observations	51	27 Aug 2008	0 Days	29 - Safe 22 - Corrective Actions
STOP Tour	1	27 Aug 2008	0 Days	Submitted Diamond supervisor audits.

Shakers, Volumes and Losses Data				Engineer : Carissa Thompson / Wojciech Czarmy			
Available	0.0m <sup>3</sup>	Losses	358.4m <sup>3</sup>	Equip.	Descr.	Mesh Size	Hours
Active	0.0m <sup>3</sup>	Downhole		Centrifuge 1			
Mixing		Surf+ Equip	358.4m <sup>3</sup>	Centrifuge 1			
Hole	0.0m <sup>3</sup>	Dumped		Centrifuge 2			
Slug		De-Sander		Centrifuge 2			
Reserve	0.0m <sup>3</sup>	De-Silter		Shaker 3			
Kill	0.0m <sup>3</sup>	Centrifuge		Shaker 4			
				Shaker 4			
				Shaker 5			
				Shaker 5			
				Shaker 6			
				Shaker 6			

Comment Cleaning out pits for KCI/PHPA/Gly mud.

Marine								Rig Support		
Weather check on 27 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	11km/h	210.0deg	1027.00bar	10.0C°	0.3m	210.0deg	2sec	1	1353.0	127.91
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments				
0.4deg	0.4deg	1.00m	2.5m	230.0deg	13sec					
Rig Dir.	Ris. Tension	VDL	Comments							
217.0deg	0.00mt	979.76mt								
								8	1389.9	132.90

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip		23:40 hrs 27/08/08	Transit to Portland	<b>Item</b>	<b>Unit</b>	<b>Quantity</b>
				Fuel	m3	306
				Potable Water	m3	455
				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	<b>Item</b>	<b>Unit</b>	<b>Quantity</b>
				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	11:17	Ocean Patriot		8	
GYJ	11:28	Essendon		4	