

From : Chris Roots / Nathan Peri
OIM : Rod Dotson

Well Data

Country	Australia	Measured Depth	396.0m	Current Hole Size	445mm	AFE Cost	\$41,512,831
Field		TVD	396.0m	Casing OD	762mm	AFE No.	5746043
Drill Contractor	DOGC	Progress	263.0m	Shoe MD	131.7m	Daily Cost	\$836,744
Rig	Ocean Patriot	Days from spud	1.87	Shoe TVD	131.7m	Cum Cost	\$8,611,441
Water Depth (LAT)	66.3m	Days on well	2.58	F.I.T. / L.O.T.	/	Planned TD	2552.0m
RT-SL(LAT)	21.5m	Current Op @ 0600	Continue drilling ahead from 581m RT.				
RT-ML	87.8m	Planned Op	Drill to section TD @ 657m. POH and run 340mm (13-3/8") casing and cement same.				
Rig Heading	217.0deg						

Summary of Period 0000 to 2400 Hrs

Waited on cement. Backed out R/Tool from the wellhead and POH. Installed guide wires and cleared the wellhead base of cuttings. Broke out 914mm (36") BHA. Made up new 445mm (17.5") BHA and TIH. Tagged TOC at 129m, drilled out the cement and float shoe. Drilled ahead to 396m RT (LAT).

Operations For Period 0000 Hrs to 2400 Hrs on 26 Aug 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
CH	P	WOC	0000	0230	2.50	131.7m	Waited on cement. Concurrent Ops: Broke out cement hoses, readied 445mm (17-1/2") BHA. ROV cleared the base of the PGB.
CH	P	TO	0230	0400	1.50	131.7m	Backed out 762mm (30") running tool from housing. POH, removed the Inclinator and sub, laid out running tool and racked back the drill pipe stinger. PGB reading 0.25° at 140° (aft bullseye)
CH	P	HBHA	0400	0530	1.50	131.7m	Laid out the cement stand. Broke out the 914mm (36") Hole opener and 660mm (26") bit and bit sub.
SH	P	HBHA	0530	1100	5.50	131.7m	Picked up new 445mm (17-1/2") Bit, run 241mm (9 1/2") DC's down to 38m. Installed soft guide ropes to BHA and guide lines. Picked up 5 x 203mm (8") DC's and RIH to 85m.
SH	P	RS	1100	1130	0.50	131.7m	Rig service while waiting on helicopter to land and depart. Serviced TDS, dollies and blocks.
SH	P	HBHA	1130	1230	1.00	131.7m	Picked up a further 3 x 203mm (8") DC's and RIH to 114m. ROV observed the BHA entering the wellhead at 85m.
SH	P	DFS	1230	1330	1.00	131.7m	Held shallow gas meeting with all parties. Tagged top of cement at 129m, drilled out cement and float shoe to 131.7m.
SH	P	DA	1330	1700	3.50	216.0m	Drilled ahead 445mm (17-1/2") hole from 131.7m to 216 mRT (84m).
SH	P	HBHA	1700	1900	2.00	216.0m	Pulled out and racked back 2 x HWDP stands, picked up the remaining 203mm (8") drill collars and jar. TIH.
SH	P	DA	1900	2400	5.00	396.0m	Drilled ahead 445mm (17-1/2") hole from 216m to 396 mRT (180m). Reamed connections and surveyed every third stand with anderdrift. Pumped 12 m³ (75bbl) sweep on connections and 7.9m³ (50bbl) midstand. Reduced parameters until drill collars were clear of the shoe (295m). Increased drilling parameters to: 140rpm, 4164 L/min (1100gpm), WOB 17 - 22.0 t (40-50 klbs), ROP 36m/hr.w/CXNS.

Operations For Period 0000 Hrs to 0600 Hrs on 27 Aug 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
SH	P	DA	0000	0600	6.00	581.0m	Drilled ahead 445mm (17-1/2") hole from 396m to 581 mRT (185m), ROP 30m/hr. Reamed connections and surveyed every third stand with anderdrift. Pumped 12 m³ (75bbl) sweep on connections and 7.9m³ (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). ROP 31m/hr.w/CXNS. Last survey at 554m = 0.0°

General Comments

Comments	Rig Requirements	Lessons Learnt
Completed stump testing of the BOPs. Conducted a 50mt dynamic load test on the boom and block on the starboard crane. Lifted the XT from the test stump to the main deck.		

WBM Data		Cost Today \$ 10500					
Mud Type:	PHG	API FL:	KCI:	Solids:	3	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:	Hard/Ca:	H2O:	97%	PV:	0.011Pa/s
Time:	23:00	HTHP-FL:	MBT:	Oil:		YP:	0.326MPa
Weight:	1.05sg	HTHP-Cake:	PM:	Sand:		Gels 10s:	0.201
Temp:			PF:	pH:	9.5	Gels 10m:	0.225
				PHPA:		Fann 003:	59
						Fann 006:	61
						Fann 100:	70
						Fann 200:	74
						Fann 300:	79
						Fann 600:	90
Comment Continued to mix PHG for volume.							

Bit # 2				Wear	I	O1	D	L	B	G	O2	R
Size:	445mm	IADC#	115	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	HUGHES	WOB(avg)		No.	Size	Progress	263.0m	Cum. Progress	263.0m			
Type:	Rock	RPM(avg)		4	18/32nd"	On Bottom Hrs	8.46h	Cum. On Btm Hrs	8.46h			
Serial No.:	6063142	F.Rate				IADC Drill Hrs	9.00h	Cum IADC Drill Hrs	9.00h			
Bit Model	MXL-1V	SPP				Total Revs	27	Cum Total Revs	27			
Depth In	131.7m	TFA	0.994			ROP(avg)	31.09 m/hr	ROP(avg)	31.09 m/hr			
Depth Out												

BHA # 2						
Weight(Wet)	49.90mt	Length	294.4m	Torque(max)	D.C. (1) Ann Velocity	0mpm
Wt Below Jar(Wet)	27.22mt	String		Torque(Off.Btm)	D.C. (2) Ann Velocity	0mpm
		Pick-Up		Torque(On.Btm)	H.W.D.P. Ann Velocity	0mpm
		Slack-Off			D.P. Ann Velocity	0mpm
BHA Run Description Packed assembly.						

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		

Bulk Stocks							
Name	Unit	In	Used	Adjust	Balance	Comment	
Barite	mT	67	0	0	148.0		
Gel	mT	0	15	0	51.0		
Cement	mT	0	0	0	72.0		
Fuel	m3	0	9.7	0	511.0		
Potable Water	m3	31	28	0	357.0		
Drill Water	m3	0	120	0	854.0		

Personnel On Board		
Company	Comment	Pax
Santos		4
DOGC		52
ESS		8
BHI		4
Dowell		2
Rheochem		2
TMT		6
Premium Casing Services		7
Cameron		2
Schlumberger Drilling & Measurements		2
Total		89

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

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	24 Aug 2008	2 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	2 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	13 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	42	26 Aug 2008	0 Days	Drill crew - 17 Deck Crew - 23 Welder - 0 Subsea - 2
Lost Time Incident	1	30 May 2008	88 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	13 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	26 Aug 2008	0 Days	Discussed upcoming operations and associated hazards prior to each shift starting.
PTW Issued	10	26 Aug 2008	0 Days	4 x hot work permits 6 x cold work permits
Rig Inspection	2	20 Aug 2008	6 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	27 Days	EHSMS audit conducted onboard.
Safety Meeting	1	26 Aug 2008	0 Days	Held a pre-spud meeting with all parties on the drill floor. Discussed the operation and also the shallow gas procedures.
Santos Induction	0	26 Aug 2008	0 Days	Gave Santos induction to new personnel to site after DODI induction.
Stop Observations	50	26 Aug 2008	0 Days	29 - Safe 21 - Corrective Actions
STOP Tour	0	26 Aug 2008	0 Days	Submitted Diamond supervisor audits.

Shakers, Volumes and Losses Data				Engineer : Kellie Jericho / Wojciech Czarmy			
Available	297.6m ³	Losses	80.8m ³	Equip.	Descr.	Mesh Size	Hours
Active	36.7m ³	Downhole	80.8m ³	Centrifuge 1			
Mixing		Surf+ Equip		Centrifuge 1			
Hole	0.0m ³	Dumped		Centrifuge 2			
Slug		De-Sander		Centrifuge 2			
Reserve	228.0m ³	De-Silter		Shaker 3			
Kill	32.9m ³	Centrifuge		Shaker 3			
				Shaker 4			
				Shaker 4			
				Shaker 5			
				Shaker 5			
			Shaker 6				
			Shaker 6				

Comment Kill mud weight = 10ppg.

Marine							
Weather check on 26 Aug 2008 at 24:00							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
18.5km	37km/h	240.0deg	1020.00bar	10.0C°	1.5m	240.0deg	4sec
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments	
0.4deg	0.4deg	1.00m	3.0m	230.0deg	13sec		
Rig Dir.	Ris. Tension	VDL	Comments				
217.0deg	0.00mt	1054.15mt					

Rig Support		
Anchors	Chain out (m)	Tension (mt)
1	1353.0	130.18
2	1372.8	126.10
3	1386.8	128.82
4	1414.0	130.18
5	1365.8	141.97
6	1389.9	130.18
7	1393.9	131.09
8	1389.9	132.90

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip	00:50 hrs 26/08/08		Standby Ocean Patriot	Item	Unit	Quantity
				Fuel	m3	317
				Potable Water	m3	450
				Drill Water	m3	340
				Gel	mt	59
				Cement	mt	43.5
				Barite	mt	84
				KCl Brine	m3	231
NaCl Brine	m3	0				
	m3	117				
Nor Captain		22:30 hrs 26.08.08	Transit to Ocean Patriot. Note: Departed 08:50 for Portland and hotshot back to OP. Offloaded equipment and off location at 22:50hrs.	Item	Unit	Quantity
				Fuel	m3	286.5
				Potable Water	m3	118
				Drill Water	m3	160
				Gel	mt	0
				Cement	mt	0
				Barite	mt	0
				KCl Brine	m3	
NaCl Brine	m3					
Mud	m3	224				

Helicopter Movement				
Flight #	Time	Destination	Comment	Pax
GYJ	11:12	Ocean Patriot		16
GYJ	11:27	Essendon		14