

From : Chris Roots / Nathan Peri
OIM : Rod Dotson

Well Data

Country	Australia	Measured Depth	131.7m	Current Hole Size	476mm	AFE Cost	\$41,512,831
Field		TVD	131.7m	Casing OD	762mm	AFE No.	5746043
Drill Contractor	DOGC	Progress	43.9m	Shoe MD	131.7m	Daily Cost	\$820,599
Rig	Ocean Patriot	Days from spud	0.87	Shoe TVD	131.7m	Cum Cost	\$7,774,697
Water Depth (LAT)	66.3m	Days on well	1.58	F.I.T. / L.O.T.	/	Planned TD	2552.0m
RT-SL(LAT)	21.5m	Current Op @ 0600	Continue making 445mm (17-1/2" BHA).				
RT-ML	87.8m	Planned Op	TIH 445mm (17-1/2") BHA, tag cement and drill ahead to section TD.				
Rig Heading	217.0deg						

Summary of Period 0000 to 2400 Hrs

Spud the well and drilled from 87.8m (mudline) to 131.7m RT. Displaced to PHG mud and POH.
Run and cemented the 762mm (30") casing.
WOC.

Operations For Period 0000 Hrs to 2400 Hrs on 25 Aug 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PS	P	HBHA	0000	0130	1.50	0.0m	Continued making up 914mm (36") BHA to 85m (3m off bottom). Continued mixing PHG mud. Built 35m ³ (210bbls) of 1.2sg (10ppg) Kill Mud.
CH	TP (RE)	DA	0130	0245	1.25	0.0m	Waited on PHG mud mixing volume to be built prior to spudding the well.
CH	P	SM	0245	0300	0.25	0.0m	Held a pre-spud meeting on the drill floor with all parties. Discussed shallow gas procedures.
CH	P	SM	0300	0315	0.25	87.8m	Tagged the sea bed at 87.82 mRT (LAT) with 4.4 t (10klbs). Observed the tag with ROV assistance. Confirmed BHA vertical with Anderdrift survey.
CH	P	DA	0315	0600	2.75	127.0m	Drilled 914 mm (36") hole to 127 mRT. Pumped 7.9 m3 (50 bbl) sweeps mid stand and 15.9 m3 (100 bbl) sweep at connection. Drilling parameters: 0-2.2 mt (0-5 klbs) WOB, 90 RPM, 2271 l/min - 3785 l/min (600 - 1000 GPM)
CH	P	DA	0600	0700	1.00	131.7m	Continued drilling 914mm (36") hole to section TD 131.7 mRT (LAT). Anderdrift surveyed on bottom 0.5°.
CH	P	WT	0700	0730	0.50	131.7m	Displaced the well to PHG mud. Made a wiper trip to 97m, no drag or fill.
CH	P	DIS	0730	0830	1.00	131.7m	Displaced drill string 10 bbl PHG mud. Dropped Totco survey barrel on bottom.
CH	P	HBHA	0830	0900	0.50	131.7m	POH racking back BHA. Miss run on the Totco survey.
CH	P	SM	0900	0915	0.25	131.7m	Held casing running JSA on the drill floor.
CH	P	CRN	0915	1000	0.75	131.7m	Rigged up to run 762mm (30") casing. Moved the PGB c/w guide posts to well center.
CH	P	CRN	1000	1300	3.00	131.7m	Picked up the Shoe and flow checked the float, continued picking up 2 x Intermediate Jts and the 762mm (30") Housing. Landed the 762mm (30") housing on the rotary table. PU the 762mm (30") R/Tool and made up to the 762mm Housing, lowered the casing down and landed/latched into the PGB. Backed out the R/Tool and pulled back and racked. Picked up 1 x std of drill pipe stinger, made up the R/Tool and lowered the stinger into the casing and landed and latched the R/Tool.
CH	P	CRN	1300	1600	3.00	131.7m	Installed the Inclinator to the landing string. Circulated sea water until returns through the Housing ball valve, closed valve. Continued circulating while picking up the PGB/casing off the skate, lowered the PGB/casing through the splash zone, stopped pumping and made connection.
CH	P	CRN	1600	1900	3.00	131.7m	Continued running PGB/casing on drill pipe. ROV observed the conductor entering the hole. Lowered casing 10m into hole, ROV rechecked bullseye 0.5° and PGB heading of 217°. Unable to read the Inclinator due to visibility / inability to manouevre the ROV close Continued running the conductor to bottom on drill pipe. Washed from 130m to bottom at 131.7 mRT, tagged bottom with 18.1 mt (40 klbs). Bullseye reading on bottom 0.25°.
CH	P	CMD	1900	1930	0.50	131.7m	Made up cement hoses. Circulated 16 m ³ (100 bbls) of sea water. Held cementing JSA during circulating.
CH	P	CMC	1930	2000	0.50	131.7m	Circulated 3.2 m ³ (20bbls) of sea water. Pressure tested the surface lines to 6.8 MPa (1000psi). Pumped 3.1 m ³ (20bbls) fluorescene dye spacer.
CH	P	CMC	2000	2100	1.00	131.7m	Mixed and pumped 30.8 m3 (194 bbls) of 1.9 SG (15.8 ppg) class G cement slurry, 39 mT (916 sks). Displaced cement with 5.4 m3 (34 bbls) sea water. Bled off pressure, floats holding. ROV noted slight fluorescene colouration during cementing.

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
CH	P	WOC	2100	2400	3.00	131.7m	ROV PH meter not functioning. Waited on cement. Concurrent Ops: Broke out cement hoses, commenced picking up 445mm (17-1/2") BHA.

Operations For Period 0000 Hrs to 0600 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	0600	0.50	131.7m	Continued picking up 445mm (17-1/2") BHA.

WBM Data		Cost Today \$ 8000					
Mud Type:	PHG	API FL:	KCl:	Solids:	3	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:	Hard/Ca:	H2O:	97%	PV:	0.005Pa/s
Time:	22:00	HTHP-FL:	MBT:	Oil:		YP:	0.388MPa
Weight:	1.05sg	HTHP-Cake:	PM:	Sand:		Gels 10s:	0.230
Temp:			PF:	pH:		Gels 10m:	0.259
				PHPA:		Fann 003:	65
						Fann 006:	78
						Fann 100:	81
						Fann 200:	84
						Fann 300:	86
						Fann 600:	91
Comment	Pumped total of 220 bbls of 28 ppb PHG Hi Vis sweeps. At TD displaced the hole to 28 ppb unflocculated PHG. Mixed PHG for 17.5" section will charge off chemicals on the next section. CaCl2 used for mix water.						

Bit # 1				Wear	I	O1	D	L	B	G	O2 NO	R
Size:	660mm	IADC#	111	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	REED	WOB(avg)	1723.65mt	No.	Size	Progress	43.9m	Cum. Progress	43.9m			
Type:	Rock	RPM(avg)	93	1	16/32nd"	On Bottom Hrs	2.70h	Cum. On Btm Hrs	2.70h			
Serial No.:	M26690	F.Rate	3566lpm	3	24/32nd"	IADC Drill Hrs	4.00h	Cum IADC Drill Hrs	4.00h			
Bit Model	Y11	SPP	4702kPa			Total Revs	15100	Cum Total Revs	15100			
Depth In	87.8m	TFA	1.522			ROP(avg)	16.26 m/hr	ROP(avg)	16.26 m/hr			
Depth Out	131.7m											
Bitwear Comment	Rerun Bit from Pecten East-1 & Netherby-1											

BHA # 1							
Weight(Wet)	86.18mt	Length	210.2m	Torque(max)	8160.0Nm	D.C. (1) Ann Velocity	12.01mpm
Wt Below Jar(Wet)	0.00mt	String	86.18mt	Torque(Off.Btm)	1360.0Nm	D.C. (2) Ann Velocity	11.58mpm
		Pick-Up	86.18mt	Torque(On.Btm)	4080.0Nm	H.W.D.P. Ann Velocity	10.81mpm
		Slack-Off	86.18mt			D.P. Ann Velocity	10.81mpm
BHA Run Description	36" Hole Opener						

Equipment	Length	OD	ID	Serial #	Comment
Bit	0.65m	660mm	99mm	M26690	3 x 24, 1 x 16 nozzles
Hole Opener	2.38m	914mm			4 x 24 nozzles.
Float Sub	0.91m	229mm	76mm		Blank Float Installed
Anderdrift	3.10m	245mm	76mm	ADB995	Totco Ring
17.5in String Stabiliser	2.42m	438mm	76mm		
NMDC	8.93m	241mm	76mm	6613	
17.5in String Stabiliser	2.42m	438mm	76mm	XM774	
Drill Collar	18.61m	241mm	76mm		
X/O	1.08m	241mm	76mm	GUD1231-5	
Drill Collar	28.20m	210mm	73mm		
X/O	1.09m	203mm	65mm	GUD1231-6	
HWDP	140.40m	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
131.70	0.5	0.0	131.70					Anderdrift

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance	Comment
Barite	mT	0	3	0	81.0	
Gel	mT	0	20	0	66.0	
Cement	mT	38	36	0	72.0	
Fuel	m3	200	19.2	0	520.7	
Potable Water	m3	30	30	0	354.0	
Drill Water	m3	991	347	0	974.0	

Personnel On Board

Company	Comment	Pax
Santos		4
DOGC		46
ESS		8
BHI		4
Dowell		3
Rheochem		2
TMT		6
Premium Casing Services		7
Cameron		2
RPS		1
Fugro		2
Schlumberger Drilling & Measurements		2
Total		87

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	1 Day	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	1 Day	Simulated fire in the paint locker. Emergency alarm sounded at 22:20hrs, emergency under control at 22:35hrs.
First Aid	1	13 Aug 2008	12 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	31	25 Aug 2008	0 Days	Drill crew - 15 Deck Crew - 11 Welder - 2 Subsea - 3
Lost Time Incident	1	30 May 2008	87 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	12 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 head 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	25 Aug 2008	0 Days	Discussed upcoming operations and associated hazards prior to each shift starting.
PTW Issued	13	25 Aug 2008	0 Days	4 x hot work permits 9 x cold work permits
Rig Inspection	2	20 Aug 2008	5 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	29 Jul 2008	27 Days	Santos environment audit conducted.
Safety Audit	1	30 Jul 2008	26 Days	EHSMS audit conducted onboard.
Safety Meeting	1	13 Aug 2008	12 Days	Held 'Time Out for Safety' meeting on the rig floor with senior DODI and Santos personnel, drill crew, deck crew and third party. Reviewed 2 incidents which occurred on the previous tour and associated safety outcomes. Opened the floor and discussed safe acts and feedback.
Safety Meeting	3	24 Aug 2008	1 Day	Reviewed stop cards for the week and awarded Santos best stop card to Craig Richards. Reviewed the Lifeboat stations, lifeboat equipment and discussed hand awareness. Discussed the fire drill in the paint locker.
Safety Meeting	1	25 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	25 Aug 2008	0 Days	Gave Santos induction to new personnel to site after DODI induction.
Stop Observations	51	25 Aug 2008	0 Days	30 - Safe 21 - Corrective Actions
STOP Tour	2	25 Aug 2008	0 Days	Submitted Diamond supervisor audits.

Shakers, Volumes and Losses Data			Engineer : Kellie Jericho / Wojciech Czarmy				
Available	75.8m ³	Losses	80.8m ³	Equip.	Descr.	Mesh Size	Hours
Active	42.9m ³	Downhole	80.8m ³	Centrifuge 1	MI SW FVS 518		
Mixing		Surf+ Equip		Centrifuge 2	MI SW FVS 518		
Hole		Dumped		Shaker 3	Bem 650 - MI SW		
Slug		De-Sander		Shaker 4	Bem 650 - MI SW		
Reserve		De-Silter		Shaker 5	Bem 650 - MI SW		
Kill	32.9m ³	Centrifuge		Shaker 6	Bem 650 - MI SW		
Comment	Kill mud weight = 10ppg.						

Marine								Rig Support		
Weather check on 25 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	37km/h	320.0deg	1028.00bar	10.0C°	1.0m	320.0deg	4sec	1	1353.0	130.18
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments				
0.4deg	0.4deg	0.80m	2.5m	240.0deg	13sec					
Rig Dir.	Ris. Tension	VDL	Comments							
217.0deg	0.00mt	939.39mt								
								8	1389.9	133.81

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip		04:30 hrs 25/08/08	Transit to Ocean Patriot from Portland.	Item	Unit	Quantity
				Fuel	m3	332
				Potable Water	m3	455
				Drill Water	m3	340
				Gel	mt	59
				Cement	mt	43.5
				Barite	mt	84
				KCl Brine	m3	137
				NaCl Brine	m3	231
Nor Captain	23:45 hrs 19.08.08		Standby Ocean Patriot	Item	Unit	Quantity
				Fuel	m3	302.5
				Potable Water	m3	123
				Drill Water	m3	160
				Gel	mt	0
				Cement	mt	0
				Barite	mt	0
				KCl Brine	m3	225
				NaCl Brine	m3	
Mud	m3					

Helicopter Movement					
Flight #	Time	Destination	Comment	Pax	
1			No flights today		
GYJ	11:07	Ocean Patriot		7	
GYJ	11:15	Essendon		5	