

From : Peter Devine / Nathan Peri
OIM : Rod Dotson

Well Data

Country	Australia	Measured Depth	2648.0m	Current Hole Size	216mm	AFE Cost	\$41,512,831
Field		TVD	1724.7m	Casing OD	244mm	AFE No.	5746043
Drill Contractor	DOGC	Progress	0.0m	Shoe MD	2042.7m	Daily Cost	\$703,510
Rig	Ocean Patriot	Days from spud	56.87	Shoe TVD	1709.9m	Cum Cost	\$61,146,351
Water Depth (LAT)	66.3m	Days on well	17.88	F.I.T. / L.O.T.	2.20sg / 2.20sg	Planned TD	2627.0m
RT-SL(LAT)	21.5m	Current Op @ 0600	Made up the TRSV and conducted pressure integrity tests on the control line connection.				
RT-ML	87.8m	Planned Op	Continue running the completion string. Make up the Tubing Hanger to the string and connect the PDHG and TRSV control lines. Pressure test connections. Configure the TH for landing and make up the LLSA. Run and land the completion string as per programme.				
Rig Heading	217.0deg						

Summary of Period 0000 to 2400 Hrs

POH laying out drill pipe. Laid out the SABs sub and packer running tool.
 Picked up the Well Patroller and Bore Protector pulling tool. RIH and jetted across the XT/Wellhead. Landed and latched the XT Bore Protector, overpulled 11.4 mt (25klbs) and pulled the Bore Protector. Jetted again across the XT/wellhead and continued to POH.
 Laid out the Bore Protector assembly and 2 x stds of HWDP.
 Prepared the floor for running the final completion.
 Picked up the WEG / Packer and PDHG assembly. Inserted and tested the electrical cable into the PDHG, confirmed communication with the PDHG. RIH on 178mm, 43.2 kg/m (7" 29ppf) 13Cr80 JFE Bear tubing joints to 663m.

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 20 Oct 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PH	P	RIC	0000	0630	6.50	2648.0m	Continued POH laying down drill pipe from 1278m to surface. Note: Manual tongs were required to break 25% of the connections. Laid out SAB's circulating sub and the SCR-1 packer running tool.
PH	P	RIC	0630	0700	0.50	2648.0m	Pulled the diverter packer.
PH	P	RIC	0700	0800	1.00	0.0m	Picked up and made up the Well Patroller on 2 x stds of 127mm (5") HWDP. Picked up the XT Bore Protector pulling tool and run in on 127mm (5") drill pipe.
PH	P	RIC	0800	1000	2.00	2648.0m	Jetted across the wellhead / XT area at 2271 L/min, 1.4 MPa (600gpm, 200psi). Landed Bore Protector pulling tool with 4.5 mt (10klbs) down weight. Measured against Index line, pulled to release the Bore Protector with 11.4 mt (25klbs) overpull. Jetted across the wellhead / XT on trip out. Continued POH.
PH	P	RIC	1000	1130	1.50	2648.0m	Laid out Bore Protector and pulling tool, 2 x stds HWDP and the Well Patroller. Note: Broke out and inspected the Well Patroller, retrieved ~1kg of debris from Well Patroller. Contains mud, metal shavings, pebbles & cement. Minimal wear noted on the Bore Protector.
PH	P	RIC	1130	1330	2.00	2648.0m	Hold JSA. Prepared the rig floor for running the upper completion. Moved the SSSV spool onto the rig floor and hung off the sheave in the derrick. Installed the mouse hole.
PH	P	RIC	1330	1430	1.00	2648.0m	Picked up and RIH the Wireline Reentry Guide, 1 x 178mm (7") Tbg Jt, 245mm (9-5/8") HHC Packer, 1 x 178mm (7") Tbg Jt and PDHG assembly.
PH	P	RIC	1430	1530	1.00	2648.0m	Installed the PDHG electrical cable and completed electrical and communication tests. Pressure tested the gauge to mandrel connection to 34.5 MPa (5000psi) for 15 minutes.
PH	P	RIC	1530	2400	8.50	2648.0m	Continued running the completion on 178mm, 43.2 kg/m (7" 29ppf) 13Cr80 JFE Bear tubing joints from 45.5m to 663m (Jts #3 to #54). Installed control line clamps over the collar of each joint. Laid out two reject joints due to cross threading. Average running ~7 joints/hr.

Operations For Period 0000 Hrs to 0600 Hrs on 21 Oct 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PH	P	RIC	0000	0530	5.50	2648.0m	Continued running the completion on 178mm, 43.2 kg/m (7" 29ppf) 13Cr80 JFE Bear tubing joints from 663m to 1246m (Jts #55 to #103). Installed control line clamps over the collar of each joint.
PH	P	RIC	0530	0600	0.50	2648.0m	MU joint#3 and TRSV assembly (UC-04-03), made up cross coupling clamp. Secured PDHG cable in TRSC cable protector. Made up 3 m space out pump and secured

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
							cross coupling clamp. Pulled back TRSV above RT. Checked position of cross coupling clamp below casing hanger. SIMOP's: Launched ROV to check bullseye. Flex joint 0.5 deg forward @ 215 deg. LRMP and BOP both 0 deg. Held JSA for pressure testing TRSV line. Terminated control line to TRSV using jam nut fitting.

WBM Data **Cost Today \$ 1000**

Mud Type:	CaCl Completion Brin	API FL:	KCl:	Solids:	4.5	Viscosity:	
Sample-From:	Pit	Filter-Cake:	Hard/Ca:	H2O:	96%	PV:	
Time:	12:00	HTHP-FL:	MBT:	Oil:		YP:	
Weight:	1.21sg	HTHP-Cake:	PM:	Sand:		Gels 10s:	
Temp:			PF:	pH:	7	Gels 10m:	
				PHPA:		Fann 003:	
						Fann 006:	
						Fann 100:	
						Fann 200:	
						Fann 300:	
						Fann 600:	

Comment: Backloaded all Rheochem chemicals from the sack room.

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance	Comment
Barite	mT	0	0	0	54.0	
Gel	mT	0	0	0	31.0	
Cement	mT	0	0	0	30.0	
Fuel	m3	0	10	0	476.0	
Potable Water	m3	29	25	0	380.0	
Drill Water	m3	0	6	0	638.0	

Personnel On Board

Company	Comment	Pax
Santos		7
DOGC		45
ESS		8
BHI		2
Dowell		2
Rheochem		1
MI Swaco		1
TMT		6
Cameron		3
Premium Casing Services		4
Baker Oil Tools		2
Expro		2
WFT		1
Schlumberger Testing		8
Halliburton		1
Expro		2
Production Quest		3
Rig Cool		2
Total		100

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	19 Oct 2008	1 Day	Abandon drill completed after the simulated fire drill was under control. A full muster was achieved in 12 minutes.
Environmental Audit	1	03 Sep 2008	47 Days	Rig visit by DPI. Conducted an environmental audit on Santos operation.
Fire Drill	1	19 Oct 2008	1 Day	Simulated a fire in the well test area. Alarm sounded at 10:04 hrs, emergency under control at 10:14 hrs. Rescue and fire teams discussed scenario and resolution.
First Aid	1	16 Oct 2008	4 Days	IP reported that his left eye was irritable and itchy. The eye was red presumably with rubbing with hand.
JHA	34	20 Oct 2008	0 Days	Drill crew - 8 Deck Crew - 19 Welder - 3 Mechanic - 1 Electrician - 0 3rd Party - 1 Subsea- 2
Lost Time Incident	1	30 May 2008	143 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	68 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.
Near Miss	1	16 Oct 2008	4 Days	Adjustable wrench fell from open top container while backloading to supply vessel and landed on deck.
Near Miss	1	18 Oct 2008	2 Days	While lifting the annular off the hurricane frame, it caught the side and fell off landing on the deck (1m fall). No injuries to personnel or equipment.
Pre-Tour Meeting	4	10 Oct 2008	10 Days	Discussed the next 24 hr operation. Running the completion.
PTW Issued	14	20 Oct 2008	0 Days	4 x hot work 10 x cold work
Safety Audit	1	29 Jul 2008	83 Days	Santos environment audit conducted.
Safety Audit	1	30 Jul 2008	82 Days	EHSMS audit conducted onboard.
Safety Meeting	3	19 Oct 2008	1 Day	Reviewed stop cards, near miss incidents for the week. Santos Stop Card of the week: Matt Davis and Brendan Palmer. Discussed fire drill and abandonment muster.
Santos Induction	3	20 Oct 2008	0 Days	Inducted new personnel to site after DODI rig wide induction.
Stop Observations	50	20 Oct 2008	0 Days	29 - Safe 21- Corrective Actions
STOP Tour	1	20 Oct 2008	0 Days	Submitted by Diamond supervisor Stop audit.

Shakers, Volumes and Losses Data				Engineer : Mike Morris			
Available	15.9m ³	Losses	0.0m ³	Equip.	Descr.	Mesh Size	Hours
Active	15.9m ³	Downhole		Shaker 3	MI SW - BEM 650		
Mixing		Surf+ Equip	0.0m ³	Shaker 4	MI SW - BEM 650		
Hole		Dumped		Shaker 5	MI SW - BEM 650		
Slug		De-Sander		Shaker 6	MI SW - BEM 650		
Reserve		De-Silter					
Kill		Centrifuge					
Comment	Dumped the remaining DIF mud from the pits. 100bbbls of filtered brine in the active pit. Dumping trip tank back to the active while running the completion string.						

Marine								Rig Support		
Weather check on 20 Oct 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	31km/h	190.0deg	1029.00bar	12.0C°	1.0m	190.0deg	3sec	1	1353.0	130.18
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments				
0.3deg	0.4deg	0.80m	2.5m	240.0deg	13sec					
Rig Dir.	Ris. Tension	VDL	Comments							
217.0deg	108.86mt	783.35mt								
								2	1372.8	130.18
								3	1386.8	131.09
								4	1414.0	127.01
								5	1365.8	117.93
								6	1389.9	121.11
								7	1393.9	138.80
								8	1389.9	107.96

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip		23:30 20th Oct 08	Transit to Portland	Item	Unit	Quantity
				Fuel	m3	484
				Potable Water	m3	457
				Drill Water	m3	397
				Gel	mt	59
				Cement	mt	84
				Barite	mt	41
				KCl Brine	bbl	52
				NaCl Brine	bbl	0
Nor Captain	22:10hrs 19 Oct		Standing By.	Item	Unit	Quantity
				Fuel	m3	478
				Potable Water	m3	367
				Drill Water	m3	319
				Gel	mt	42
				Cement	mt	0
				Barite	mt	0
				KCl Brine	bbl	0
				NaCl Brine	bbl	0

Helicopter Movement					
Flight #	Time	Destination	Comment	Pax	
BYV	11:08	Ocean Patriot		7	
BYV	11:17	Essendon		5	