

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	\$1,513,840
Rig	Ocean Patriot	Days from spud	57.87	Shoe TVD	1709.9m	Cum Cost	\$62,660,191
Water Depth (LAT)	66.3m	Days on well	18.88	F.I.T. / L.O.T.	2.20sg / 2.20sg	Planned TD	2627.0m
RT-SL(LAT)	21.5m	Current Op @ 0600	Picked up the Flowhead to a vertical position. Prepared to make up same to the landing string.				
RT-ML	87.8m	Planned Op	Continue rigging up the Flowhead / PCE and flow/kill lines.				
Rig Heading	217.0deg		Land, latch and function the TH. Slickline pull the TH Isolation sleeve. Circulate to diesel and set the packer. Pressure test the tubing and annulus. Flow test the well.				

Summary of Period 0000 to 2400 Hrs

Continued running the Packer assembly on 178mm (7") tubing down to 1246m. Picked up and installed the TRSV. Connected the control line and pressure tested the connection.
 Continued running the completion, installing control line clamps across each tubing joint collar.
 Picked up and installed the Tubing Hanger, terminated both the PDHG and TRSV control lines to the TH. Cleared the rig floor of 178mm (7") running equipment.
 Picked up the LLSA and made up to the TH. Conducted communication checks through the LLSA/TH. Picked up 1st joint of 245mm (9-5/8") landing string.

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 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 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.
PH	P	RIC	0600	0700	1.00	2648.0m	Cycled TRSV valve open and closed three times. Cycle 1: open 2,400 psi; close 1,800 psi; 260 mL returned Cycle 2: open 2,400 psi; close 1,800 psi; 240 mL returned Cycle 3: open 2,400 psi; close 1,800 psi; 240 mL returned Pressure tested TRSV & CL to 8,000 psi for 15 mins
PH	P	RIC	0700	1300	6.00	2648.0m	Picked up and made up Jt # 104 to TRSV Assy and continued to RIH to joint #128. Picked up the 178mm (7") Protection Pup assembly. Continued RIH with joint #129 to #135. SIMOPs: Checked rig positioning: Flex jt 0.5 deg Fwd @ 215 deg. LRMP & BOP both 0 deg.
PH	P	RIC	1300	1330	0.50	2648.0m	P/U & M/U Pup #4, changed out 178mm (7") Elevators to 127mm (5") DP elevators, P/U & M/U Tubing hanger.
PH	P	RIC	1330	1400	0.50	2648.0m	Flushed Port #B on TH and cut TRSV 1/4" encapsulated control line. Line terminated into TH with JAM nut fitting.
PH	P	RIC	1400	1600	2.00	2648.0m	Cut & terminated encapsulated gauge cable into Tronic Dry mate electrical penetrator.
PH	P	RIC	1600	1830	2.50	2648.0m	Electrical tests and pressure tests conducted on TRSV and DHPG terminations to TH. Re-installed TH helix SIMOPs: Check rig positioning: Flex jt 0.5 deg Fwd @ 220 deg. LRMP & BOP both 0 deg.
PH	P	RIC	1830	2130	3.00	2648.0m	Held JSA - Picking up Lower Landing String. Cleared rig floor and rigged up to run landing string. PU landing string to drill floor into vertical position. Connected HPU to

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PH	P	RIC	2130	2200	0.50	2648.0m	reel jumpers. Removed test cap. Locked TH with weight of LLSA and blocks. Functioned TH latch/unlatch. Latched THRT/LLSA to TH. Function tested and picked up total string weight 118mt (260klbs incl blocks). SIMOPs: rigged up PCS tubular handling gear for running landing string on rig floor Held JSA - pressure testing through Expro umbilical and LLSA. Pressure tested as per LLSA procedure. Confirmed LLSA lines pressurised as per Cameron and Expro Procedures. Locked in pressures at reel, bled down line pressure and disconnected jumpers from reel.
PH	P	RIC	2200	2215	0.25	2648.0m	Installed 2 x shear pins in actuator ring. PU and rigged down split handling bowl. Confirmed TH running circuit ring space out. Installed 3 x shear pins in TH circuit ring. Checked seals on TH.
PH	P	RIC	2215	2230	0.25	2648.0m	Conducted electrical tests of Tronic connectors on TH to down hole gauge (2608 psi, 70 deg C, 12.0 V, 15.3 mA).
PH	P	RIC	2230	2300	0.50	2648.0m	Removed master bushings and RIH upper completion and TH on LLSA.
PH	P	RIC	2300	2330	0.50	2648.0m	Rigged up PCS spider and tongs on drill floor. Set slips on LLSA handling sub. SIMOPs: Check rig positioning: Flex jt 0.25 deg Stbd-Fwd @ 220 deg. LRMP & BOP both 0 deg.
PH	P	RIC	2330	2400	0.50	2648.0m	MU first 244mm (9-5/8") landing string pup to LLSA. Secured umbilical to the Landing String and RIH. MU first 244mm (9-5/8") landing string joint to pup, secured umbilical and RIH.

Operations For Period 0000 Hrs to 0600 Hrs on 22 Oct 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PH	P	RIC	0000	0115	1.25	2648.0m	Held JSA with rig crew for RIH landing string. Chain on drive for Expro umbilical reel broke - pin sheared. Shutdown to replace sheared pin. Drive functioned briefly before a second pin sheared. Spooling out by hand.
PH	P	RIC	0115	0215	1.00	2648.0m	Continued running the 244mm (9-5/8") landing string. Taped the umbilical to the LS. SIMOPs: Check rig positioning prior to running through flex joint: Flex jt 0.25 deg Fwd-Stbd @ 230 deg. LRMP & BOP both 0 deg.
PH	P	RIC	0215	0300	0.75	2648.0m	MU lubricator valve (LV) to landing string. Secured umbilical and MU hydraulic lines to the LV.
PH	P	RIC	0300	0400	1.00	2648.0m	Pressure tested LV hydraulic line. Pulled master bushings and RIH LV. MU pup joint #3 as per tally. Set in slips.
PH	P	RIC	0400	0530	1.50	2648.0m	Held JSA for rigging up bails and lifting Flowhead. Removed 15 ft bails to install TD pad eye sub and air hoist. Reinstalled (5m)15ft bails and connected the 15m (45ft) bails with 85t shackles.
PH	P	RIC	0530	0600	0.50	2648.0m	Picked up the Flowhead and positioned on the drill floor. Connected 15m (45ft) bails to same. Rigged up tuggers to the Flowhead to stabilize while lifting.

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	12	0	464.0	
Potable Water	m3	30	24	0	386.0	
Drill Water	m3	0	18	0	620.0	

Personnel On Board		
Company	Comment	Pax
Santos		7
DOGC		43
ESS		8
BHI		1
Dowell		2
TMT		6
Cameron		3
Premium Casing Services		4
Baker Oil Tools		2
Expro		2
WFT		1
Schlumberger Testing		13
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	2 Days	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	48 Days	Rig visit by DPI. Conducted an environmental audit on Santos operation.
Fire Drill	1	19 Oct 2008	2 Days	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	5 Days	IP reported that his left eye was irritable and itchy. The eye was red presumably with rubbing with hand.
JHA	22	21 Oct 2008	0 Days	Drill crew - 5 Deck Crew - 14 Welder - 0 Mechanic - 1 Electrician - 1 3rd Party - 1 Subsea- 0
Lost Time Incident	1	30 May 2008	144 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	69 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	5 Days	Adjustable wrench fell from open top container while backloading to supply vessel and landed on deck.
Near Miss	1	18 Oct 2008	3 Days	While lifting the annular off the hercules frame, it caught the side and fell off landing on the deck (1m fall). No injuries to personnel or equipment.
Pre-Tour Meeting	4	21 Oct 2008	0 Days	Discussed the next 24 hr operation. Running the completion.
PTW Issued	17	21 Oct 2008	0 Days	7 x hot work 10 x cold work
Safety Audit	1	29 Jul 2008	84 Days	Santos environment audit conducted.
Safety Audit	1	30 Jul 2008	83 Days	EHSMS audit conducted onboard.
Safety Meeting	3	19 Oct 2008	2 Days	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	0	21 Oct 2008	0 Days	Inducted new personnel to site after DODI rig wide induction.
Stop Observations	43	21 Oct 2008	0 Days	25 - Safe 18- Corrective Actions
STOP Tour	1	21 Oct 2008	0 Days	Submitted by Diamond supervisor Stop audit.

Shakers, Volumes and Losses Data				Engineer : Mike Morris			
Available	63.6m ³	Losses	0.0m ³	Equip.	Descr.	Mesh Size	Hours
Active	63.6m ³	Downhole					
Mixing		Surf+ Equip	0.0m ³				
Hole		Dumped					
Slug		De-Sander					
Reserve		De-Silter					
Kill		Centrifuge					
Comment	Active volume is CaCl brine returns from running the completion. Pit#3 has been flushed out after the DIF mud was dumped.						

Marine								Rig Support		
Weather check on 21 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	48km/h	190.0deg	1032.00bar	11.0C°	1.5m	190.0deg	3sec	1	1353.0	132.00
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments				
0.3deg	0.3deg	0.80m	3.0m	240.0deg	13sec					
Rig Dir.	Ris. Tension	VDL		Comments				2	1372.8	130.18
217.0deg	108.86mt	753.87mt						3	1386.8	125.19
								4	1414.0	126.10
								5	1365.8	116.12
								6	1389.9	118.84
								7	1393.9	135.17
								8	1389.9	110.22

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip	23:30 21st Oct 08		On location, running standby.	Item	Unit	Quantity
				Fuel	m3	691
				Potable Water	m3	452
				Drill Water	m3	397
				Gel	mt	59
				Cement	mt	84
				Barite	mt	41
				KCl Brine	bbbl	52
				NaCl Brine	bbbl	0
					bbbl	0
Nor Captain		23:30 21 Oct 08	Transit to Portland	Item	Unit	Quantity
				Fuel	m3	462
				Potable Water	m3	362
				Drill Water	m3	319
				Gel	mt	42
				Cement	mt	0
				Barite	mt	0
				KCl Brine	bbbl	0
				NaCl Brine	bbbl	0
					bbbl	0

Helicopter Movement					
Flight #	Time	Destination	Comment	Pax	
BYV	11:37	Ocean Patriot		3	
BYV	11:48	Essendon		3	