

From : Chris Roots / Rohan Richardson
OIM : Rod Dotson

Well Data

Country	Australia	Measured Depth	2517.0m	Current Hole Size	216mm	AFE Cost	\$39,506,831
Field		TVD	1655.0m	Casing OD	244mm	AFE No.	5746046
Drill Contractor	DOGC	Progress	0.0m	Shoe MD	1936.0m	Daily Cost	\$760,000
Rig	Ocean Patriot	Days from spud	16.12	Shoe TVD	1680.0m	Cum Cost	\$40,453,177
Water Depth (LAT)	65.4m	Days on well	16.13	F.I.T. / L.O.T.	/	Planned TD	2503.0m
RT-SL(LAT)	21.5m	Current Op @ 0600	Lock open MC-FLCV flapper ready for flow back test.				
RT-ML	86.9m	Planned Op	Complete well flow back as per programme, run and set crown plug in tubing hanger and p/t same. Commence rig down PCE.				
Rig Heading	215.0deg						

Summary of Period 0000 to 2400 Hrs

Made up and ran LV on landing string, picked up flow head and installed same. Rigged up PCE and tested same.

Formations

Name	Top (MD)	Top (TVD)	Comment
K85 Unconformity	1783.0m	1673.6m	
Waarre A	1792.0m	1683.1m	

Operations For Period 0000 Hrs to 2400 Hrs on 18 Aug 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
CTB	P	HT	0000	0100	1.00	2517.0m	Removed BJ350 slips and master bushings to run LV assembly through RT. Note: Slight damage to outer encapsulation of LLSA umbilical due to rubbing on slotted bowl, starboard side of rotary.
CTB	P	PT	0100	0115	0.25	2517.0m	Function tested LV with HPU: Close - 4.14 L with 21 MPa (3000 psi) for 5 min, 52 strokes. Open - 3.40 L with 21 MPa (3000 psi) for 5 min, 46 strokes.
CTB	P	RIC	0115	0130	0.25	2517.0m	Ran LV through rotary table. Note: Ballast rig port side.
CTB	P	HT	0130	0200	0.50	2517.0m	Re-installed master bushings and BJ350 slips.
CTB	P	RIC	0200	0230	0.50	2517.0m	Made up pup joint B to tubing. Note: Ballast rig to port/aft.
CTB	P	RIC	0230	0245	0.25	2517.0m	Made up pup joint C.
CTB	P	SM	0245	0300	0.25	2517.0m	Held pre job safety meeting prior to positioning Co-Flexip hose onto drill floor.
CTB	P	HT	0300	0500	2.00	2517.0m	Positioned Co-Flexip hose ready for make up and rigged up 13.7 m (45') bails.
CTB	P	SM	0500	0515	0.25	2517.0m	Held pre job safety meeting for making up flow head.
CTB	P	HT	0515	0830	3.25	2517.0m	Picked up and made up flow head.
CTB	P	HT	0830	0930	1.00	2517.0m	Made up surface flowhead connection, Co-flexip hose, kill hose, ESD lines and air lines.
CTB	P	SLK	0930	1015	0.75	2517.0m	Rigged up slickline xover and double blind ram BOP to flowhead.
CTB	P	XT	1015	1245	2.50	2517.0m	Landed and locked tubing hanger. Bled down soft land, 3 L returned at panel. Closed 244 mm (9 5/8") BOP rams and pressured up to 10.5 MPa (1500 psi) to seat hanger. Bled off pressure and opened BOP rams.
CTB	P	XT	1245	1300	0.25	2517.0m	Functioned tubing hanger lock - (3.07 L increase in monitor line). Bled off lock monitor, pumped through tubing hanger lock and take returns to lock monitor, ok.
CTB	P	XT	1300	1315	0.25	2517.0m	With lock monitor vented, took 22.7 t (50 klbs) overpull, reduced to 11.3 t (25 klbs) overpull and held.
CTB	P	PT	1315	1530	2.25	2517.0m	Closed 244 mm (9 5/8") rams, closed swab valve and attempted to pressure test tubing hanger, unsuccessful. Troubleshoot and repaired backed out high pressure grease nipple on manifold valve. Pressure test tubing hanger to 33.7 MPa (5000 psi) for 10 min, ok.
CTB	P	SLK	1530	1830	3.00	2517.0m	Rigged up slick line PCE. Tested between lower and middle TH seals to (5000 psi) 10 mins - OK. Tested TRSSV to (7500 psi) 10mins - OK and reduced to (5000 psi).
							Simultaneous Operations: ROV engaged electrical penetrator. PQ gauge readings: 17.4 MPa (2579 psi), 72 deg C.
CTB	P	SLK	1830	1900	0.50	2517.0m	RIH slick line and retrieved protection sleeve from tubing hanger. Broke PCE and removed same. Made up crown plug and running tool to slick line.
CTB	P	PT	1900	2000	1.00	2517.0m	Pressure test PCE against LV, with crown plug and running tool inside lubricator to 3.37/33.7 MPa (500/5000 psi) for 5/10 min, ok.
CTB	P	HT	2000	2045	0.75	2517.0m	Bled off pressure, opened LV and RIH crown plug and seated same with 13.5 MPa (2000 psi) above. Jarred down with spang jars to ensure plug seat. Released running tool and bled off pressure.
CTB	P	SLK	2045	2115	0.50	2517.0m	POOH crown plug running tool and broke out of lubricator, 3.6 mm (0.142") stick up

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
CTB	P	PT	2115	2145	0.50	2517.0m	on stand-off pin - OK. Pressure test landing string from crown plug to PCE with 33.7 MPa (5000 psi) for 10 min, 0.3 m3 (1.9 bbls) pumped.
CTB	P	SLK	2145	2230	0.75	2517.0m	RIH slick line and recovered crown plug. POOH and broke out of PCE same. Made up crown plug running tool to slick line and left in PCE.
CTB	P	PT	2230	2300	0.50	2517.0m	Closed 244 mm (9 5/8") rams, AAV and AMV.
CTB	P	PT	2300	2400	1.00	2517.0m	Pressure test 244 mm (9 5/8") BOP rams to 1.7/33.7 MPa (250/5000 psi) for 5/10 min, ok

Operations For Period 0000 Hrs to 0600 Hrs on 19 Aug 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
CTB	P	PT	0000	0100	1.00	2517.0m	Continued to pressure test 244 mm (9 5/8") BOP rams to 1.7/33.7 MPa (250/5000 psi) for 5/10 min, ok
CTB	P	SM	0100	0115	0.25	2517.0m	Held pre job safety meeting for diesel displacement.
CTB	P	DIS	0115	0145	0.50	2517.0m	Lined up cement unit to flow head. Broke circulation and pumped 3.2 m3 (20 bbls) of brine to fill poor boy degasser and surface lines.
CTB	P	DIS	0145	0215	0.50	2517.0m	Closed LV and opened well test choke. Commenced pumping 2.4 m3 (15 bbls) diesel to well test surge tank.
CTB	P	DIS	0215	0230	0.25	2517.0m	Closed well test choke and opened LV. Commenced displacing tubing to diesel at 318 L/min (2 bpm), 0.8 MPa (120 psi).
CTB	P	DIS	0230	0415	1.75	2517.0m	Continued to displace tubing to diesel. Final circulating pressure, 5.3 MPa (755 psi), total diesel pumped, 34 m3 (216 bbls).
CTB	P	DIS	0415	0430	0.25	2517.0m	Pumped 0.8 m3 (5 bbls) water spacer.
CTB	P	PT	0430	0445	0.25	2517.0m	Increased TRSV line pressure to 50 MPa (7100 psi), closed AAV.
CTB	P	PT	0445	0515	0.50	2517.0m	Pressured down tubing to 8.8 MPa (1300 psi). APT - 5 MPa (732 psi) DPG - 21.3 MPa (3155 psi) Increased pressure to 28 MPa (4150) psi to set packer, 0.7 m3 (4.4 bbls) pumped. APT - 16.2 MPa (2414 psi) DPG - 41.2 (6106 psi) Held for 10 mins and bled down to 4.7 MPa (700 psi) on well test choke.
CTB	P	PT	0515	0530	0.25	2517.0m	Reduced TRSV line pressure to 43.8 MPa (6500 psi), pressured down tubing to 20.7 MPa (3000 psi) and bled off TRSV line. Bled back tubing pressure at well test choke to 3.4 MPa (500 psi) and conducted TRSV inflow test for 10 min, ok.
CTB	P	PT	0530	0600	0.50	2517.0m	Equalised pressure above TRSV and opened TRSV with 40.4 MPa (6000 psi). Bled back pressure on well test choke to 4.7 MPa (700 psi) and reduced the TRSV line pressure to 33.7 MPa (5000 psi). Equalised pressure on the AAV and opened same.

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance	Comment
Barite	mT	0	0	0	84.0	
Gel	mT	0	0	0	53.0	
Cement	mT	0	0	0	70.0	
Fuel	m3	0	10.8	0	432.9	
Potable Water	m3	30	24	0	320.0	
Drill Water	m3	0	2	0	467.0	

Personnel On Board		
Company	Comment	Pax
Santos		9
DOGC		40
ESS		8
BHI		2
Dowell		2
Rheochem		1
TMT		6
Premium Casing Services		2
Expro		5
Baker Oil Tools		2
Rig Cool		2
Halliburton		1
Other		1
Other		1
Cameron		4
Other		2
Schlumberger Testing		10
Other		1
ABS		1
Total		100

Casing			
OD	L.O.T. / F.I.T.	Casing Shoe (MD/TVD)	Cementing
762mm	/	130.90/130.90	As per cement data.
340mm	2.12 /	642.20/642.20	Class G lead slurry to surface. Class G tail TOC at ± 492m (150m).
244mm	/	1936.00/	

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	18 Aug 2008	0 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	18 Aug 2008	0 Days	Simulated fire in the well test area (pre well test drill). Emergency alarm sounded at 12:52 hrs, emergency under control at 13:03 hrs.
First Aid	1	13 Aug 2008	5 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	24	18 Aug 2008	0 Days	Drill crew - 8 Deck Crew - 10 Welder - 3 Mechanic - 3
Lost Time Incident	1	30 May 2008	80 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	5 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	18 Aug 2008	0 Days	Discussed upcoming operations and associated hazards prior to each shift starting.
PTW Issued	14	18 Aug 2008	0 Days	9 x hot work permits 5 x cold work permits
Rig Inspection	1	10 Aug 2008	8 Days	Conducted Santos STOP audit on portside and starboard side pipe racks. Multiple lifts have been conducted and the deck crew manage to maintain good housekeeping with only a few pieces of dunnage lying loose. This was put aside. Some containers were out of place however, crane was waiting on boat to offload immediately. Good job to deck crew and crane operator.
Safety Audit	1	30 Jul 2008	19 Days	EHSMS audit conducted onboard.
Safety Meeting	1	13 Aug 2008	5 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	17 Aug 2008	1 Day	Reviewed stop cards for the week and awarded Santos best stop card th Carl Hoseason. Reviewed safety alerts from other DODI facilities. Reviewed medivac incident from previous week and first aid.
Santos Induction	1	18 Aug 2008	0 Days	Gave Santos induction to new personnel to site after DODI induction.
Stop Observations	40	18 Aug 2008	0 Days	22 - Safe 18 - Corrective Actions
STOP Tour	1	17 Aug 2008	1 Day	Submitted Diamond supervisor audits.
Trip/Pit Drill	1	09 Aug 2008	9 Days	Sounded the alarm on the drill floor for a kick drill. Shut in DP, spaced out and closed BOP's. Conducted choke drill by circulating fluid through choke manifold

Shakers, Volumes and Losses Data				Engineer : Kelly Jericho			
Available	160.6m ³	Losses	6.8m ³	Equip.	Descr.	Mesh Size	Hours
Active	48.5m ³	Downhole	6.8m ³	Centrifuge 1	MI SW FVS 518		0
Mixing	0.0m ³	Surf+ Equip		Centrifuge 1	MI SW FVS 518		0
Hole	94.9m ³	Dumped		Centrifuge 2	MI SW FVS 518		0
Slug		De-Sander		Centrifuge 2	MI SW FVS 518		0
Reserve	17.2m ³	De-Silter		Shaker 3	Bem 650 - MI SW	40 / 20 230 HC x 4	0
Kill Storage		Centrifuge		Shaker 3	Bem 650 - MI SW	40 / 20 230 HC x 4	0
				Shaker 4	Bem 650 - MI SW	40 / 20 230 HC x 4	0
				Shaker 4	Bem 650 - MI SW	40 / 20 230 HC x 4	0
				Shaker 4	Bem 650 - MI SW	40 / 20 230 HC x 4	0
				Shaker 5	Bem 650 - MI SW	40 / 20 230 HC x 4	0
			Shaker 5	Bem 650 - MI SW	40 / 20 230 HC x 4	0	
			Shaker 6	Bem 650 - MI SW	40 / 20 230 HC x 4	0	
			Shaker 6	Bem 650 - MI SW	40 / 20 230 HC x 4	0	

Marine										
Weather check on 18 Aug 2008 at 24:00								Rig Support		
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Chain out (m)	Tension (mt)
18.5km	41km/h	270.0deg	1022.00bar	12.0C°	2.0m	270.0deg	5sec	1	1382.9	127.91
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments		2	1382.9	130.18
0.3deg	0.3deg	0.30m	2.0m	220.0deg	13sec			3	1399.9	133.81
Rig Dir.	Ris. Tension	VDL	Comments				4	1376.8	127.91	
215.0deg	124.74mt	865.00mt					5	1410.9	128.82	
								6	1421.0	131.09
								7	1410.9	122.02
								8	1414.0	125.19

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip	23:45 hrs 17.08.08		Standby Ocean Patriot.	Item	Unit	Quantity
				Fuel	m3	414
				Potable Water	m3	493
				Drill Water	m3	410
				KCl Brine	m3	137
				NaCl Brine	m3	7
				Mud	m3	157
				Cement	mt	43.5
Barite	mt	84				
Gel	mt	59				
Nor Captain		23:45 hrs 17.08.08	Portland, ETA Ocean Patriot: 18:00 hrs 19.08.08. No report, bulks to be updated in tomorrows report.	Item	Unit	Quantity
				Fuel	m3	326.6
				Potable Water	m3	360
				Gel	mt	42
				Cement	mt	38
				Drill Water	m3	193
				Barite	mt	70
				Mud	m3	36

Helicopter Movement					
Flight #	Time	Destination	Comment	Pax	
GYJ	11:12	Ocean Patriot		6	
GYJ	11:20	Essendon		5	