

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	\$789,414
Rig	Ocean Patriot	Days from spud	14.12	Shoe TVD	1680.0m	Cum Cost	\$38,908,242
Water Depth (LAT)	65.4m	Days on well	14.13	F.I.T. / L.O.T.	/	Planned TD	2503.0m
RT-SL(LAT)	21.5m	Current Op @ 0600 Continued to run upper completion from 1577 m.					
RT-ML	86.9m	Planned Op Run and set tubing hanger in wellhead, lock and test same.					
Rig Heading	215.0deg						

Summary of Period 0000 to 2400 Hrs

Jetted XT bore protector recess and BOP's, recovered bore protector and laid out same. Rigged up and ran upper completion to TRSV and p/t 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 16 Aug 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
CTB	P	WCU	0000	0015	0.25	2517.0m	Dropped 63.5 mm (2.5") DABS open activation ball,
CTB	P	WCU	0015	0045	0.50	2517.0m	Made up TDS and pumped ball to seat, sheared at 16.5 MPa (2400 psi).
CTB	P	WCU	0045	0100	0.25	2517.0m	Commenced jetting bore protector with 1590 l/min (10 bpm).
CTB	P	HT	0100	0115	0.25	2517.0m	Land out bore protector. Set down with 4.5 t (10 klbs) and marked index line on pipe.
CTB	P	HT	0115	0130	0.25	2517.0m	Picked up 4.5 t (10 klbs) increments to 71 t (160 klbs). Bore protector released with 11 t (25 klbs) overpull.
CTB	P	WCU	0130	0145	0.25	2517.0m	Commenced jetting XT hanger seating profile and stack at 1271 l/min (8 bpm).
CTB	P	RRC	0145	0230	0.75	2517.0m	POOH XT bore protector retrieval string
CTB	P	RCM	0230	0245	0.25	2517.0m	Broke and laid out XT bore protector, running tool and DABS tool.
CTB	P	RCM	0245	0315	0.50	2517.0m	Pull Expro umbilical down to deck and connect to LLSA.
CTB	P	RS	0315	0345	0.50	2517.0m	Serviced TDS and blocks.
CTB	P	RCM	0345	0415	0.50	2517.0m	Rigged up to run upper completion assembly.
CTB	P	SM	0415	0515	1.00	2517.0m	Held pre job safety meeting prior running completions.
CTB	P	RIC	0515	0530	0.25	2517.0m	Picked up and made up mule shoe in rotary.
CTB	TP (VE)	TI	0530	0730	2.00	2517.0m	Picked up and made up 178 mm (7") JFE to mule shoe. Tongs slipped, minimum torque on shoulder not achieved. Attempted to back out and re-make, unable to back out. Troubleshoot power tong, insufficient pressure supplied by power unit, max torque available 28.5 kNm (21, 000 ft.lbs). Changed out power pack for back up, unable to start same. Reconnected primary, substituted Easy Glide type thread lubricant for Jet Lube Seal Guard ECF and lowered friction factor for make up torque.
CTB	P	RIC	0730	0930	2.00	2517.0m	Made up packer assembly and gauge mandrel. Installed gauge and pressure tested same.
CTB	P	RIC	0930	1800	8.50	2517.0m	Continued to RIH from 54 m to 825 m. Pressure gauge continuity checked every hour.
CTB	P	RIC	1800	1900	1.00	2517.0m	Joint #67 in the slips, 825 m. PQ Gauge readings: Pressure 8.9 MPa (1280 psi), Temp 51.21 deg C, 18.4 VDC, 15.7 mA
CTB	P	RIC	1900	2000	1.00	2517.0m	Joint #73 in the slips, 898 m. PQ Gauge readings: Pressure 10 MPa (1434 psi), Temp 57.78 deg C, 18.4 VDC, 15.65 mA
CTB	P	RIC	2000	2100	1.00	2517.0m	Joint #83 in the slips, 1019 m. PQ Gauge readings: Pressure 11.3 MPa (1610 psi), Temp 57.78 deg C, 18.4 VDC, 15.65 mA
CTB	P	RIC	2100	2215	1.25	2517.0m	Joint #93 in the slips, 1140 m. PQ Gauge readings: Pressure 12.4 MPa (1777 psi), Temp 57.78 deg C, 18.4 VDC, 15.65 mA
CTB	P	HT	2215	2245	0.50	2517.0m	Picked up and made up TRSV along with joint #102. S/w - 98 t (220 klbs).
CTB	P	HT	2245	2330	0.75	2517.0m	Rigged up TRSV spooler and sheave.
CTB	P	HT	2330	2345	0.25	2517.0m	Connected TRSV line
CTB	P	PT	2345	2400	0.25	2517.0m	Commenced pressure test control line to 8000 psi (15 min test). Chart behaved erratically. Troubleshoot and changed out chart paper, good test obtained. Carried out 3 cycle tests on TRSV: #1: Opening pressure 15.9 MPa (2300 psi), closing pressure 11.7 MPa (1700 psi),

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
							returns 0.158 L. #2: Opening pressure 15.9 MPa (2300 psi), closing pressure 11.7 MPa (1700 psi), returns 0.154 L. #3: Opening pressure 15.9 MPa (2300 psi), closing pressure 11.7 MPa (1700 psi), returns 0.155 L.

Operations For Period 0000 Hrs to 0600 Hrs on 17 Aug 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
CTB	P	PT	0000	0130	1.50	2517.0m	Continued to pressure test TRSV to 8000 psi (15 min test). Chart behaved erratically. Troubleshoot and changed out chart paper, good test obtained. TRSV cycle pressure for 3 by tests: Opening pressure: 16.1 MPa (2300 psi). Closing pressure: 11.9 MPa (1700 psi).
CTB	P	RTB	0130	0415	2.75	2517.0m	Continued to RIH upper completion on 178mm (7") 13Cr80 JFE Bear.
CTB	TP (OTH)	RTB	0415	0515	1.00	2517.0m	Laid out joint #117 - high shoulder.
CTB	P	RTB	0515	0600	0.75	2517.0m	(IN PROGRESS) Continued to RIH to tubing hanger. PQ Gauge Readings: Pressure 16.2 MPa (2316 psi), Temp 65.13 deg C, 17.98 VDC, 15.8 mA

WBM Data		Cost Today \$ 325							
Mud Type:	WFW	API FL:	4cm ³ /30m	KCl:	0%	Solids:	2.68	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:	0mm	Hard/Ca:	440	H2O:	97%	PV:	0.011Pa/s
Time:	15:30	HTHP-FL:		MBT:	0.3	Oil:		YP:	0.144MPa
Weight:	1.15sg	HTHP-Cake:		PM:	0.2	Sand:	0.2	Gels 10s:	0.043
Temp:				PF:	0.1	pH:	8.5	Gels 10m:	0.057
						PHPA:	Oppb	Fann 003:	9
								Fann 006:	11
								Fann 100:	28
								Fann 200:	35
								Fann 300:	41
								Fann 600:	52
Comment	Treated DIF with 3 gal/100 bbls Idcide then transferred 405 bbls back to the boat. Total DIF fluid transferred to boat 900 bbls. Dumped 50 bbls of DIF fluid from sandtraps. Dumped dead volume from pit #3, 32 bbls. Flushed the BOP's with 105 bbls of NaCL brine. All brine returns discharged over shakers.								

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	8.7	0	451.3		
Potable Water	m3	30	26	0	311.0		
Drill Water	m3	0	36	0	505.0		

Personnel On Board		
Company	Comment	Pax
Santos		8
DOGC		41
ESS		8
BHI		2
Dowell		1
Rheochem		1
TMT		6
Premium Casing Services		4
Expro		4
Baker Oil Tools		2
Other		1
Halliburton		1
Other		1
Other		3
Cameron		4
DOGC Service		5
Schlumberger Testing		6
Other		1
Total		99

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	10 Aug 2008	6 Days	Abandonment drill completed after the fire drill. Completed full muster at lifeboat stations 1 and 3 in 6 minutes post fire drill completed.
Additional Supervision	1	15 Aug 2008	1 Day	Night SOC positioned filled by Phil Dennis on the 15.08.08.
Fire Drill	1	10 Aug 2008	6 Days	Simulated a fire in the main store room at 10:32. Fire under control at 10:42.
First Aid	1	13 Aug 2008	3 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	27	16 Aug 2008	0 Days	Drill crew - 10 Deck Crew - 11 Welder - 2 Electrician - 4
Lost Time Incident	1	30 May 2008	78 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	3 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	16 Aug 2008	0 Days	Discussed upcoming operations and associated hazards prior to each shift starting.
PTW Issued	18	16 Aug 2008	0 Days	5 x hot work permits 13 x cold work permits
Rig Inspection	1	10 Aug 2008	6 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	17 Days	EHSMS audit conducted onboard.
Safety Meeting	3	10 Aug 2008	6 Days	Reviewed stop cards for the week and awarded Santos best stop card. Discussed fire and abandonment drill and muster times. Reviewed safety alerts from other DODI facilities. Reviewed procedure for fire abandonment.
Safety Meeting	1	13 Aug 2008	3 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.
Santos Induction	0	16 Aug 2008	0 Days	No new people to site, no helicopters.
Stop Observations	48	16 Aug 2008	0 Days	35 - Safe 13 - Corrective Actions
STOP Tour	1	09 Aug 2008	7 Days	Submitted Diamond supervisor audits.
Trip/Pit Drill	1	09 Aug 2008	7 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	135.9m ³	Losses	39.3m ³	Equip.	Descr.	Mesh Size	Hours
Active	22.6m ³	Downhole		Centrifuge 1	MI SW FVS 518		0
Mixing	0.0m ³	Surf+ Equip	0.0m ³	Centrifuge 2	MI SW FVS 518		0
Hole	99.8m ³	Dumped	39.3m ³	Shaker 3	Bem 650 - MI SW	40 / 20 230 HC x 4	1
Slug		De-Sander		Shaker 4	Bem 650 - MI SW	40 / 20 230 HC x 4	1
Reserve	13.5m ³	De-Silter		Shaker 5	Bem 650 - MI SW	40 / 20 230 HC x 4	1
Kill		Centrifuge		Shaker 6	Bem 650 - MI SW	40 / 20 230 HC x 4	1
Storage							

Marine								Rig Support		
Weather check on 16 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	180.0deg	1019.00bar	10.0C°	1.5m	180.0deg	5sec	1	1382.9	130.18
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments				
0.5deg	0.4deg	1.00m	3.0m	220.0deg	13sec					
Rig Dir.	Ris. Tension	VDL		Comments				2	1382.9	127.91
215.0deg	124.74mt	865.00mt					3	1399.9	133.81	
								4	1376.8	130.18
								5	1410.9	132.90
								6	1421.0	131.09
								7	1410.9	122.02
								8	1414.0	123.83

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip		23:00 hrs 16.08.08	On steam to Portland, ETA 05:00 hrs to meet pilot.	Item	Unit	Quantity
				Fuel	m3	439
				Potable Water	m3	240
				Drill Water	m3	410
				KCl Brine	m3	140
				NaCl Brine	m3	19
				Mud	m3	157
				Cement	mT	43.5
				Barite	mT	84
Gel	mT	59				
Nor Captain	21:00 hrs 16.08.08		Standby Ocean Patriot	Item	Unit	Quantity
				Fuel	m3	338.5
				Potable Water	m3	365
				Drill Water		193
				Cement	mT	38
				Gel	mT	42
				Mud	m3	224
				Barite	mT	70

Helicopter Movement				
Flight #	Time	Destination	Comment	Pax
GYJ		Ocean Patriot	No helicopter	0
GYJ		Essendon	No helicopter	0