

**From : Peter Devine / 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	\$1,012,410
Rig	Ocean Patriot	Days from spud	12.12	Shoe TVD	1680.0m	Cum Cost	\$37,310,538
Water Depth (LAT)	65.4m	Days on well	12.13	F.I.T. / L.O.T.	/	Planned TD	2503.0m
RT-SL(LAT)	21.5m	Current Op @ 0600 Continue to circulate and pressure up on packer to set.					
RT-ML	86.9m	Planned Op Set lower completion packer, displace well to brine and POOH. Rig up to run upper completion.					
Rig Heading	215.0deg						

### Summary of Period 0000 to 2400 Hrs

Rigged up and ran lower completion assembly and sand screens on drill pipe to 1382 m.

### 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 14 Aug 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
CTB	P	RCM	0000	0100	1.00	2517.0m	Rigged up to run 168 mm (6 5/8") sand screens.
CTB	P	RCM	0100	0200	1.00	2517.0m	Held pre job safety meeting, picked up and made up bull nose to single joint of 168 mm (6 5/8") sand screen and landed out in rotary.
CTB	TP (OTH)	RIC	0200	0400	2.00	2517.0m	Unable to set slips due to insufficient pipe between screens and collar to fit slip type elevators and hand slips. Troubleshoot, layout single joint and shoe. Rig up to RIH with 168 mm (6 5/8") by 114 mm (4 1/2") IF xover made up to pick up sub on drill pipe elevators.
CTB	P	SM	0400	0415	0.25	2517.0m	Held pre job safety meeting for new running procedure.
CTB	P	RIC	0415	0545	1.50	2517.0m	RIH bull nose shoe joint and 168 mm (6 5/8") sand screens to 70 m.
CTB	TP (OTH)	RIC	0545	0600	0.25	2517.0m	High shoulder torque experienced when making up joint #98. Backed out and attempted to re-torque to manufacture's spec, unsuccessful. Backed out and observed pin and box damaged.
CTB	TP (OTH)	RIC	0600	0630	0.50	2517.0m	Laid out joint #98
CTB	TP (OTH)	RIC	0630	0700	0.50	2517.0m	Attempted to back out collar on joint #99, unsuccessful due to insufficient neck room between collar and screens. Laid out same.
CTB	P	RIC	0700	0845	1.75	2517.0m	Picked up and made up joint #97, continued to RIH from 59 m to 127 m.
CTB	TP (VE)	RIC	0845	0900	0.25	2517.0m	Split ring broke on dog collar slip element. Picked up spares from deck and repaired same.
CTB	P	RIC	0900	1130	2.50	2517.0m	Continued to RIH sand screens from 127 m to 254 m.
CTB	U (OTH)	RIC	1130	1215	0.75	2517.0m	Shut down operations due to helicopter on deck, unable to operate cranes. Held pre job safety meeting with crew change and completed housekeeping on rig floor and choke manifold.
CTB	P	RIC	1215	1730	5.25	2517.0m	Continued to RIH sand screens from 265 m to 542 m.
CTB	P	RIC	1730	2045	3.25	2517.0m	Picked up 194 mm (7 5/8") base pipe and commenced RIH from 542 m to 762 m. Laid out joint #8 due to damaged coupling. P/U weight 77.8 t (175 klbs), set down weight 80 t (180 klbs).
CTB	P	RIC	2045	2100	0.25	2517.0m	Changed out elevators for 127 mm (5") DP. Picked up LC packer / FLCV assembly.
CTB	P	RIC	2100	2130	0.50	2517.0m	Made up LC packer / FLCV assembly.
CTB	P	RIC	2130	2145	0.25	2517.0m	Picked up and made up SABS tool.
CTB	P	RIC	2145	2200	0.25	2517.0m	Held pre job safety meeting for running lower completion on DP.
CTB	P	RIC	2200	2400	2.00	2517.0m	Continued to RIH lower completion on drill pipe from 776 m to 1382 m. One hang up of 4.4 t (10 klbs) running through stack. Pulled back and re-ran, completion through previous hang up point without issue.

### Operations For Period 0000 Hrs to 0600 Hrs on 15 Aug 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
CTB	P	RIC	0000	0345	3.75	2517.0m	Continued to RIH sand screens on drill pipe from 1382 m to setting depth at 2506 m
CTB	P	RIC	0345	0415	0.50	2517.0m	Made up single joint of drill pipe for space out. Weights on final stand: P/U weight of 115 t (260 klbs), slack off weight of 80 t (180 klbs), string weight of 106 t (240 klbs)
CTB	P	RIC	0415	0430	0.25	2517.0m	Held pre job safety meeting for setting packer.
CTB	TP	RIC	0430	0530	1.00	2517.0m	Attempted to break circulation with cement unit via cement line. High and inconsistent

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
	(RE)						pressures observed due to potential cement contamination. Lined up cement unit to test line and broke circulation, ok.
CTB	P	RIC	0530	0545	0.25	2517.0m	Dropped SC-1R setting ball
CTB	P	RIC	0545	0600	0.25	2517.0m	Spaced out to packer setting depth compensating TDS. String weight of 106 t (240 klbs). Commenced circulating with cement unit.

**WBM Data** **Cost Today \$ 108**

Mud Type:	WFW	API FL:	4cm <sup>3</sup> /30m	KCl:	0%	Solids:	2.68	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:	0mm	Hard/Ca:	320	H2O:	97%	PV:	0.010Pa/s
Time:	18:00	HTHP-FL:		MBT:	0.3	Oil:		YP:	0.158MPa
Weight:	1.15sg	HTHP-Cake:		PM:	0.2	Sand:	0.1	Gels 10s:	0.048
Temp:				PF:	0.5	pH:	8.5	Gels 10m:	0.062
						PHPA:	Oppb	Fann 003:	10
								Fann 006:	12
								Fann 100:	31
								Fann 200:	39
								Fann 300:	43
								Fann 600:	54

**Comment** Treated surface DIF fluid with Idcide. Dumped and flushed solids control pits. Cleaned header box, possum bellies and under the shakers. Dumped slug pit. Transferred DIF mud from pit #5 to the solids control pit to allow pit #5 to be cleaned and used to build more brine for the Hi-vis and detergent pill.

**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	470.8	
Potable Water	m3	33	30	0	307.0	
Drill Water	m3	0	13	0	595.0	

**Personnel On Board**

Company	Comment	Pax
Santos		9
DOGC		42
ESS		8
BHI		2
Dowell		1
Rheochem		1
TMT		6
Premium Casing Services		4
Expro		4
Baker Oil Tools		2
Other		1
Halliburton		1
Weatherford		1
Other		3
Cameron		3
DOGC Service		5
Schlumberger Testing		6
Other		1
<b>Total</b>		<b>100</b>

**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	4 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	14 Aug 2008	0 Days	Night SOC confirmed to arrive on site Friday 15.08.08
Fire Drill	1	03 Aug 2008	11 Days	Simulated a fire in the main store room at 10:32. Fire under control at 10:42.
First Aid	1	13 Aug 2008	1 Day	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	18	14 Aug 2008	0 Days	Drill crew - 8 Deck Crew - 6 Electrician - 1 Mechanic - 1 Welder - 2
Lost Time Incident	1	30 May 2008	76 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	1 Day	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	14 Aug 2008	0 Days	Discussed upcoming operations and associated hazards prior to each shift starting.
PTW Issued	10	14 Aug 2008	0 Days	5 x hot work permits 5 x cold work permits
Rig Inspection	1	10 Aug 2008	4 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	15 Days	EHSMS audit conducted onboard.
Safety Meeting	3	10 Aug 2008	4 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	1 Day	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	1	14 Aug 2008	0 Days	Inducted new personnel to site after Diamond rig wide induction and walk around.
Stop Observations	47	14 Aug 2008	0 Days	22 - Safe 25 - Corrective Actions
STOP Tour	1	09 Aug 2008	5 Days	Submitted Diamond supervisor audits.
Trip/Pit Drill	1	09 Aug 2008	5 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	358.2m <sup>3</sup>	Losses	23.5m <sup>3</sup>	Equip.	Descr.	Mesh Size	Hours
Active	61.2m <sup>3</sup>	Downhole		Centrifuge 1	MI SW FVS 518		0
Mixing	0.0m <sup>3</sup>	Surf+ Equip	0.0m <sup>3</sup>	Centrifuge 1	MI SW FVS 518		0
Hole	106.5m <sup>3</sup>	Dumped	23.5m <sup>3</sup>	Centrifuge 2	MI SW FVS 518		0
Slug		De-Sander		Centrifuge 2	MI SW FVS 518		0
Reserve	30.2m <sup>3</sup>	De-Silter		Shaker 3	Bem 650 - MI SW	40 / 20 230 HC x 4	5
Kill		Centrifuge		Shaker 3	Bem 650 - MI SW		0
Storage	160.3m <sup>3</sup>			Shaker 4	Bem 650 - MI SW	40 / 20 230 HC x 4	5
				Shaker 4	Bem 650 - MI SW		0
				Shaker 5	Bem 650 - MI SW	40 / 20 230 HC x 4	5
				Shaker 5	Bem 650 - MI SW		0
				Shaker 6	Bem 650 - MI SW	40 / 20 230 HC x 4	5
				Shaker 6	Bem 650 - MI SW		0

Marine										
Weather check on 14 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	56km/h	240.0deg	1017.00bar	12.0C°	2.5m	240.0deg	5sec	1	1382.9	130.18
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments		2	1382.9	132.00
0.8deg	0.4deg	1.50m	4.0m	220.0deg	14sec			3	1399.9	140.16
Rig Dir.	Ris. Tension	VDL	Comments					4	1376.8	133.81
215.0deg	124.74mt	994.28mt						5	1410.9	132.90
								6	1421.0	127.91
								7	1410.9	117.93
								8	1414.0	122.02

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip	15:30 hrs 14.08.08		Portside Ocean Patriot offloading cargo.	Item	Unit	Quantity
				Fuel	m3	460
				Potable Water	m3	250
				Drill Water	m3	410
				KCl Brine	m3	140
				NaCl Brine	m3	19
				Mud	m3	14
				Cement	mT	43.5
Barite	mT	84				
Gel	mT	59				
Nor Captain		21:00 hrs 14.08.08	On sail to Portland, ETA 06:00 hrs. Pilot booked for 07:00 hrs.	Item	Unit	Quantity
				Fuel	m3	353
				Potable Water	m3	375
				Drill Water		193
				Cement	mT	38
				Gel	mT	42
				Mud	m3	224
				Barite	mT	28

Helicopter Movement				
Flight #	Time	Destination	Comment	Pax
GYJ	11:28	Essendon		14
GYJ	11:43	Ocean Patriot		13