

**From : Peter Devine/ Rohan Richardson**  
**OIM : Dennis Gore**

### Well Data

Country	Australia	Measured Depth	2047.0m	Current Hole Size	311mm	AFE Cost	\$41,512,831
Field		TVD	1716.0m	Casing OD	340mm	AFE No.	5746043
Drill Contractor	DOGC	Progress	0.0m	Shoe MD	652.0m	Daily Cost	\$810,117
Rig	Ocean Patriot	Days from spud	30.87	Shoe TVD	652.0m	Cum Cost	\$32,167,884
Water Depth (LAT)	66.3m	Days on well	8.79	F.I.T. / L.O.T.	/ 2.20sg	Planned TD	2552.0m
RT-SL(LAT)	21.5m	Current Op @ 0600 Continue to run 244 mm (9 5/8") casing from 170 m.					
RT-ML	87.8m	Planned Op Run 244 mm (9 5/8") by 273 mm (10 3/4") intermediate casing string.					
Rig Heading	217.0deg						

### Summary of Period 0000 to 2400 Hrs

Circulated and conditioned mud at TD, flow checked well and back reamed out of hole from 2047 m to 1400 m. Circulated clean and reamed in hole to TD. Circulated clean and POOH conventionally to 201 m. Racked back BHA, RIH and recovered wear bushing.

### Formations

Name	Top (MD)	Top (TVD)	Comment
Massacre Shale	1207.0m	1189.1m	33.3m Low
Timboon Fm	1222.0m	1202.2m	36.4m Low
Paarratte Fm	1443.0m	1382.3m	28.5m Low
Skull Creek Mudstone	1682.0m	1564.0m	19.7m Low

### Operations For Period 0000 Hrs to 2400 Hrs on 24 Sep 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	U (HC)	WT	0000	0245	2.75	2047.0m	Continued to circulate hole clean and condition mud. Laid out stand and worked from 2028 m to 2000 m. RIH to 2043 m and circulated Hi-vis sweep.  Simultaneous Operations: Added KCL to active to increase to 10% by wt. Prepared 11.1 m3 (70 bbl) Hi vis sweep and pumped same.
IC	U (HC)	WT	0245	0300	0.25	2047.0m	Flow checked well, ok.
IC	U (HC)	WT	0300	0330	0.50	2047.0m	POOH conventionally from 2047 m to 1951 m.
IC	U (HC)	WT	0330	0800	4.50	2047.0m	Unable to work past 1951 m with 31 t (71 klbs) overpull. Broke circulation and back reamed out of hole from 1951 m to 1400 m with 2461 L/min (650) GPM and 170 RPM.
IC	U (HC)	WT	0800	0900	1.00	2047.0m	At 1400 m continued to circulate until shakers clean at 3786 L/min (1000 GPM), 170 RPM. Prepared drill floor to RIH for wiper trip.
IC	U (HC)	WT	0900	1000	1.00	2047.0m	Attempted to trip in hole conventionally, unsuccessful. Could not pass 1420 m.
IC	U (HC)	WT	1000	1430	4.50	2047.0m	Made up TDS and reamed in hole from 1420 m to TD at 2047 m.
IC	U (HC)	WT	1430	1600	1.50	2047.0m	Continued to circulate and weighted active to 1.44 sg (12 ppg). Staged up pumps to 3786 L/min (1000 GPM) and circulated Hi-vis sweep.
IC	U (HC)	WT	1600	2100	5.00	2047.0m	Flow checked well, ok. POOH from 2047 m to 201 m with minimal drag observed.
IC	U (HC)	WT	2100	2300	2.00	2047.0m	Flow checked well prior to pulling through BOP. Racked back BHA from 201 m to bit.
IC	U (HC)	WT	2300	2400	1.00	2047.0m	Picked up wear bushing retrieval tool and jet sub and made up same. RIH and jetted BOP's, XT and wellhead with 1033 L/min (6.5 bpm) and 5 RPM 3 times while boosting riser clean. Latched onto wear bushing and pulled free with 6.7 kdaN (15 klbs). Confirmed index line pin, ok.

### Operations For Period 0000 Hrs to 0600 Hrs on 25 Sep 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	U	WT	0000	0130	1.50	2047.0m	POOH wear bushing to slip joint. Made up TDS and rotated wear bushing retrieval tool past slip joint. Continued to pull wear bushing and jet sub, laid out same. Minimal wear on wear bushing. Cleaned up floor and rigged down DP handling gear.
IC	U	SM	0130	0145	0.25	2047.0m	Held pre job safety meeting, reviewed Diamond and Casing Running Crew JSA's. Discussed previous incidents and controls.
IC	U	RRC	0145	0330	1.75	2047.0m	Rigged up to run 244 mm (9 5/8") casing.
IC	U	CRN	0330	0415	0.75	2047.0m	Made up shoe track with Baker-Lok and tested floats, ok.
IC	U	CRN	0415	0600	1.75	2047.0m	Continued to RIH 244 mm (9 5/8") casing to 170 m.

WBM Data		Cost Today \$ 24404							
Mud Type:	KCL/GLY	API FL:	4cm <sup>3</sup> /30m	KCl:	10%	Solids:	14	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:		Hard/Ca:	660	H2O:	85%	PV:	0.036Pa/s
Time:	22:00	HTHP-FL:		MBT:	10	Oil:		YP:	0.177MPa
Weight:	1.44sg	HTHP-Cake:	0mm	PM:	0.1	Sand:	0.5	Gels 10s:	0.053
Temp:				PF:	0.04	pH:	8.5	Gels 10m:	0.163
						PHPA:	1ppb	Fann 003:	10
								Fann 006:	13
								Fann 100:	40
								Fann 200:	58
								Fann 300:	73
								Fann 600:	109
Comment		Built 2 x 60 bbl pre mix in slug pit to maintain mud volume. Built 2 x 70 bbl Hi-vis sweeps with funnel vis > 150 sec/qt. Treated active mud with Idcide and sodium sulphate prior to POOH. Built mud to 10% KCL by wt at TD prior to POOH. Weighted mud to 12 ppg with Barite and built 20 bbl pumpable 13.1 ppg slug for the drill string.							

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	Comment
Barite	mT	0	36	0	56.0	
Gel	mT	0	0	0	33.0	
Cement	mT	43	0	0	94.0	
Fuel	m3	0	21.8	0	449.0	
Potable Water	m3	0	18	0	358.0	
Drill Water	m3	470	97	0	704.0	

Personnel On Board		
Company	Comment	Pax
Santos		4
DOGC		47
ESS		8
BHI		6
Dowell		2
Rheochem		2
MI Swaco		1
TMT		6
Cameron		2
Schlumberger Drilling & Measurements	MWD / LWD	3
Santos	Geologist	1
Schlumberger Drilling & Measurements	Directional	3
Premium Casing Services		6
Taylor Brothers		2
DOGC		2
Schlumberger Wireline		2
Total		97

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	21 Sep 2008	3 Days	Abandon drill completed after the simulated fire drill under control. Alarm sounded at 10:29 hrs, initial muster completed at 10:42 hrs, full muster completed at 10:52 hrs. Some personnel who were woken reported to incorrect muster station due to not hearing the PA. Control - personnel responsible for checking rooms to communicate announcements and check understanding.
Environmental Audit	1	03 Sep 2008	21 Days	Rig visit by DPI. Conducted an environmental audit on Santos operation.
Fire Drill	1	21 Sep 2008	3 Days	Simulated a fire on the port box girder oil drums. Alarm sounded at 10:29 hrs, emergency under control at 10:38 hrs. Rescue and fire teams discussed scenario and resolution.
First Aid	1	06 Sep 2008	18 Days	IP was needle gunning when his right hand slipped off the gun and the right index finger went under the needles of the gun causing a 3cm laceration. The finger was treated and the IP resumed full duties.
JHA	22	24 Sep 2008	0 Days	Drill crew - 8 Deck Crew - 13 Mechanic - 1
Lost Time Incident	1	30 May 2008	117 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	42 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	24 Sep 2008	0 Days	Discussed upcoming operations and associated hazards prior to each shift starting.
PTW Issued	13	24 Sep 2008	0 Days	5 x hot work 8 x cold work
Safety Audit	1	29 Jul 2008	57 Days	Santos environment audit conducted.
Safety Audit	1	30 Jul 2008	56 Days	EHSMS audit conducted onboard.
Safety Meeting	3	21 Sep 2008	3 Days	Reviewed stop cards for the week and awarded Santos Stop card winner to Gavin Shaw and Jamie Durnin. Discussed the fire drill and the scenario of a fire on the port side box girder. Reviewed DODI alcohol and drug policy.
Santos Induction	1	24 Sep 2008	0 Days	Inducted new personnel to site after DODI rig wide induction.
Stop Observations	67	24 Sep 2008	0 Days	37 - Safe 30 - Corrective Actions
STOP Tour	1	24 Sep 2008	0 Days	Submitted 3 by Diamond supervisor Stop audit.

Shakers, Volumes and Losses Data				Engineer : Kellie Jericho / Carrisa			
Available	258.8m <sup>3</sup>	Losses	25.9m <sup>3</sup>	Equip.	Descr.	Mesh Size	Hours
Active	61.4m <sup>3</sup>	Downhole	10.2m <sup>3</sup>				
Mixing		Surf+ Equip	15.7m <sup>3</sup>				
Hole	166.9m <sup>3</sup>	Dumped					
Slug	0.0m <sup>3</sup>	De-Sander					
Reserve	30.5m <sup>3</sup>	De-Silter					
Kill	0.0m <sup>3</sup>	Centrifuge	0.0m <sup>3</sup>				
Storage							

Marine								Rig Support		
Weather check on 24 Sep 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	11km/h	330.0deg	1026.00bar	13.0C°	0.1m	330.0deg	3sec	1	1353.0	127.01
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments				
0.5deg	0.4deg	0.50m	1.5m	240.0deg	12sec					
Rig Dir.	Ris. Tension	VDL	Comments							
217.0deg	122.47mt	1034.19mt								
								8	1389.9	127.91

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip	20:45 hrs 23/09/08		Standby Ocean Patriot	<b>Item</b>	<b>Unit</b>	<b>Quantity</b>
				Fuel	m3	216
				Potable Water	m3	120
				Drill Water	m3	340
				Gel	mt	59
				Cement	mt	40.5
				Barite	mt	0
				KCl Brine	m3	9
				NaCl Brine	m3	0
				Mud	m3	43.7
Nor Captain		20:45 hrs 23/09/08	Portland, ETA Ocean Patriot 16:00 hrs 25/09/08	<b>Item</b>	<b>Unit</b>	<b>Quantity</b>
				Fuel	m3	347.5
				Potable Water	m3	243
				Drill Water	m3	414
				Gel	mt	42
				Cement	mt	0
				Barite	mt	0
				KCl Brine	m3	0
				NaCl Brine	m3	0
				Mud	m3	0

Helicopter Movement				
Flight #	Time	Destination	Comment	Pax
BYV	11:04	Ocean Patriot		7
BYV	11:14	Essendon		4