

**From : Peter Devine/ Rohan Richardson**  
**OIM : Rod Dotson**

**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	\$734,563
Rig	Ocean Patriot	Days from spud	36.87	Shoe TVD	652.0m	Cum Cost	\$37,149,544
Water Depth (LAT)	66.3m	Days on well	14.79	F.I.T. / L.O.T.	/ 2.20sg	Planned TD	2552.0m
RT-SL(LAT)	21.5m	Current Op @ 0600	Lay down weight set test tool.				
RT-ML	87.8m	Planned Op	Make up BHA and RIH to TOC. Kick off and drill ahead 311 mm (12 1/4") hole section.				
Rig Heading	217.0deg						

**Summary of Period 0000 to 2400 Hrs**

POOH casing, RIH and set cement plugs from 1050 m to 800 m. POOH, laid out fishing assembly from derrick and RIH weight set test tool. Tested choke manifold and commenced p/t BOP's.

**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 30 Sep 2008**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	TP (SP)	FSH	0000	0430	4.50	2047.0m	Continued to POOH casing. 35 joints laid out with final joint showing clean casing cut 1.2 m down from box.
IC	TP (SCS)	HT	0430	0530	1.00	2047.0m	Rigged down casing handling equipment and rigged up to run 89 mm (3 1/2") DP.
IC	TP (SCS)	CMP	0530	0600	0.50	2047.0m	Made up mule shoe and RIH 89 mm (3 1/2") cement stinger to 50 m.
IC	TP (RE)	RR	0600	0630	0.50	2047.0m	On routine derrick inspection, noticed wire wrap secondary retention on bolts for compensator top hat covers broken. Removed covers from compensator.
IC	TP (SCS)	CMP	0630	0800	1.50	2047.0m	Continued to pick up 89 mm (3 1/2") cement stinger from 50 m and RIH to 206 m.
IC	TP (SCS)	CMP	0800	0930	1.50	2047.0m	Change over to DP handling gear and RIH cement stinger on DP to 1050 m.
IC	TP (SCS)	CMP	0930	1000	0.50	2047.0m	Circulated bottoms up and held pre job safety meeting prior to cementing operations.
IC	TP (SCS)	CMP	1000	1100	1.00	2047.0m	Made up cementing sub onto DP with low torque valve and lined up cement unit. Pumped 0.8 m3 (5 bbls) of drill water, p/t surface hose to 10.3 MPa (1500 psi) for 5 min ok. Pumped 5.7 m3 (35 bbls) of drill water spacer, mixed and pumped 13.6 m3 (86 bbls) of 2.0 sg (16.5 ppg) class G cement slurry, pumped 0.8 m3 (4.8 bbl) water spacer and displaced cement plug with 6.4 m3 (40 bbls) of 1.2 sg (10 ppg) mud.
IC	TP (SCS)	CMP	1100	1130	0.50	2047.0m	Broke and laid out cement sub from DP. POOH from 1050 m to 900 m at 10 m/min.
IC	TP (SCS)	CMP	1130	1230	1.00	2047.0m	Installed wiper balls into DP and circulated clean, dumped 6.4 m3 (40 bbls) of cement contaminated mud.
IC	TP (SCS)	CMP	1230	1330	1.00	2047.0m	Made up cementing sub onto DP with low torque valve and lined up cement unit. Pumped 0.8 m3 (5 bbls) of drill water, p/t surface hose to 10.3 MPa (1500 psi) for 5 min ok. Pumped 7.1 m3 (45 bbls) of drill water spacer, mixed and pumped 9 m3 (57 bbls) of 2 sg (16.5 ppg) class G cement slurry, pumped 0.8 m3 (5 bbl) water spacer and displaced cement plug with 5 m3 (32 bbls) of 1.2 sg (10 ppg) mud.
IC	TP (SCS)	CMP	1330	1400	0.50	2047.0m	Broke and laid out cement sub from DP. POOH from 900 m to 800 m at 10 m/min.
IC	TP (SCS)	CMP	1400	1430	0.50	2047.0m	Installed wiper balls into DP and circulated clean, no cement contamination.
IC	TP (SCS)	CMP	1430	1530	1.00	2047.0m	POOH from 800 m to 206 m.
IC	TP (SCS)	CMP	1530	1700	1.50	2047.0m	Changed out handling gear for 89 mm (3 1/2") DP and continued to POOH cement stinger, laid out mule shoe.
IC	TP (SCS)	FSH	1700	1800	1.00	2047.0m	Changed out handling gear for DP, broke and laid out fishing assembly from derrick.
IC	P	BOP	1800	1900	1.00	2047.0m	Picked up and made up jet sub and 4 stands of HWDP.
IC	TP (VE)	OA	1900	1930	0.50	2047.0m	Attempted to make up weight set test tool, unsuccessful. Lock dogs not releasing, unable to hold the tool in the unset position on trip in hole. Troubleshoot and clean with pressure washer while p/t choke manifold.

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	TP (VE)	OA	1930	2200	2.50	2047.0m	Commenced p/t choke manifold valves.  Simultaneous Operations: Pressure cleaned weight set test tool and prepared to RIH. Attempted to lock in unset position, unsuccessful.
IC	P	BOP	2200	2300	1.00	2047.0m	Picked up weight set test tool and made up to stump. RIH slowly to avoid setting tool prematurely. Landed out and checked with index line, ok. Tested to 6.9 MPa (1000 psi) to ensure seal ok.
IC	P	BOP	2300	2400	1.00	2047.0m	Commenced p/t BOP stack to 1.75/21 MPa (250/3000 psi) for 5/10 min.

**Operations For Period 0000 Hrs to 0600 Hrs on 01 Oct 2008**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	P	BOP	0000	0500	5.00	2047.0m	Continued to p/t BOP's and function tested both pods.
IC	P	BOP	0500	0600	1.00	2047.0m	POOH and laid out weight set test tool.

WBM Data		Cost Today \$ 22466							
Mud Type:	KCL/GLY	API FL:	6cm <sup>3</sup> /30m	KCl:	10%	Solids:	6.24	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:		Hard/Ca:	720	H2O:	94%	PV:	0.017Pa/s
Time:	20:30	HTHP-FL:		MBT:	5.6	Oil:		YP:	0.129MPa
Weight:	1.20sg	HTHP-Cake:	0mm	PM:	0.4	Sand:	0.3	Gels 10s:	0.038
Temp:				PF:	0.1	pH:	9	Gels 10m:	0.077
						PHPA:	1ppb	Fann 003:	8
								Fann 006:	10
								Fann 100:	27
								Fann 200:	37
								Fann 300:	44
								Fann 600:	61
Comment		Pretreated mud with 0.6 ppb citric acid and sodium bicarbonate.							

Bulk Stocks							
Name	Unit	In	Used	Adjust	Balance	Comment	
Barite	mT	0	0	0	129.0		
Gel	mT	0	0	0	33.0		
Cement	mT	0	38	0	46.0		
Fuel	m3	0	14	0	389.6		
Potable Water	m3	16	22	0	369.0		
Drill Water	m3	99	57	0	728.0		

Personnel On Board		
Company	Comment	Pax
Santos		3
DOGC		49
ESS		8
BHI		6
Dowell		2
Rheochem		2
MI Swaco		1
TMT		6
Cameron		1
Santos	Geologist	2
Schlumberger Drilling & Measurements	Directional	4
Premium Casing Services		1
<b>Total</b>		<b>85</b>

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	28 Sep 2008	2 Days	Abandon drill completed after the simulated fire drill under control. Alarm sounded at 10:31 hrs, initial muster completed at 10:41 hrs, full muster completed at 10:49 hrs.
Environmental Audit	1	03 Sep 2008	27 Days	Rig visit by DPI. Conducted an environmental audit on Santos operation.
Fire Drill	1	28 Sep 2008	2 Days	Simulated a fire in the emergency generator room. Alarm sounded at 10:31 hrs, emergency under control at 10:42 hrs. Rescue and fire teams discussed scenario and resolution.
First Aid	1	06 Sep 2008	24 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	15	30 Sep 2008	0 Days	Drill crew - 1 Deck Crew - 12 Welder - 2
Lost Time Incident	1	30 May 2008	123 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	48 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	30 Sep 2008	0 Days	Discussed upcoming operations and associated hazards prior to each shift starting.
PTW Issued	8	30 Sep 2008	0 Days	2 x hot work 6 x cold work
Safety Audit	1	29 Jul 2008	63 Days	Santos environment audit conducted.
Safety Audit	1	30 Jul 2008	62 Days	EHSMS audit conducted onboard.
Safety Meeting	3	29 Sep 2008	1 Day	Reviewed stop cards for the week and awarded Santos Stop card winner to B Parker. Discussed the fire drill and the scenario of a fire in the emergency engine room. Reviewed abandon rig scenario.
Santos Induction	1	30 Sep 2008	0 Days	Inducted new personnel to site after DODI rig wide induction.
Stop Observations	42	30 Sep 2008	0 Days	32 - Safe 10 - Corrective Actions
STOP Tour	3	29 Sep 2008	1 Day	Submitted 3 by Diamond supervisor Stop audit.

Shakers, Volumes and Losses Data				Engineer : Kellie Jericho / Carrisa			
Available	316.4m <sup>3</sup>	Losses	72.1m <sup>3</sup>	Equip.	Descr.	Mesh Size	Hours
Active	88.2m <sup>3</sup>	Downhole	7.2m <sup>3</sup>				
Mixing		Surf+ Equip	3.8m <sup>3</sup>				
Hole	71.4m <sup>3</sup>	Dumped					
Slug	0.0m <sup>3</sup>	De-Sander					
Reserve	83.3m <sup>3</sup>	De-Silter					
Kill	0.0m <sup>3</sup>	Centrifuge					
Storage	73.5m <sup>3</sup>	P and A left in hole	61.1m <sup>3</sup>				

