

**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	\$704,980
Rig	Ocean Patriot	Days from spud	34.87	Shoe TVD	652.0m	Cum Cost	\$35,699,744
Water Depth (LAT)	66.3m	Days on well	12.79	F.I.T. / L.O.T.	/ 2.20sg	Planned TD	2552.0m
RT-SL(LAT)	21.5m	Current Op @ 0600	Make up casing cutting assembly.				
RT-ML	87.8m	Planned Op	RIH and cut casing at 1050 m. POOH and change out for fishing assembly. RIH, spear fish and retrieve casing.				
Rig Heading	217.0deg						

**Summary of Period 0000 to 2400 Hrs**

POOH casing, changed out handling gear and RIH casing cutting assembly. Cut casing @ 1300 m POOH casing cutting assembly laid out same. Made up and RIH to 147 m w/fishing assembly.

**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 28 Sep 2008**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	TP (SCS)	CPL	0000	0530	5.50	2047.0m	Continued to POOH 273 mm (10 3/4") casing. Pulled 37 joints of 273 mm (10 3/4") and 244 mm (9 5/8") 273 mm (10 3/4") x/over box down. Casing connections broke on average with 50 kNm (37 kft.lbs) Top of fish at 455 m with pin up on a 244 mm (9 5/8") 2.3 m casing pup joint.
IC	TP (SCS)	HT	0530	0630	1.00	2047.0m	Rigged down casing handling equipment and rigged up to handle DP.
IC	TP (SCS)	WH	0630	0830	2.00	2047.0m	Picked up and made up wear bushing running tool with wear bushing installed. RIH and landed out, released wear bushing and POOH.
IC	TP (SCS)	CCT	0830	0900	0.50	2047.0m	Picked up casing cutter tool and function tested in rotary with 323 L/min (85gpm), 0.7 MPa (100 psi).
IC	TP (SCS)	CCT	0900	1200	3.00	2047.0m	RIH cutting assembly to top of fish (TOF) at 451 m. Entered fish with minimal loss of weight. Continued to RIH to 838 m.
IC	TP (SCS)	SM	1200	1230	0.50	2047.0m	Held pre job safety meeting prior to handling fishing assembly and changed out automatic DP elevators for manual.
IC	TP (SCS)	OA	1230	1400	1.50	2047.0m	Made up marine swivel assembly and attempted to run through rotary, unsuccessful. 244 mm (9 5/8") casing stop on travelling sleeve hung up in #3 rotary bowls. Attempted to pull free, unsuccessful. Used hydraulic jacks to free same.
IC	TP (SCS)	CCT	1400	1430	0.50	2047.0m	Continued to pick up and make up 244 mm (9 5/8") casing cutting assembly: A-E Casing spear with marine swivel, x/over and 508 mm (20") stroke bumper sub.
IC	TP (SCS)	CCT	1430	1600	1.50	2047.0m	Continued to RIH from 838 m to 1300 m.
IC	TP (SCS)	CCT	1600	1630	0.50	2047.0m	Landed out casing stop in TOF at 451 m. Took 9 t (20 klbs) overpull to confirm grapple engaged inside casing. Slacked off same and commenced casing cut at 1300 m with 810 L/min (214 GPM), 7.6 MPa (1100 psi), 60 rpm and 2.7-6.8 kNm (2-5 kft.lbs) torque. Torque started to become erratic.
IC	TP (SCS)	CCT	1630	1700	0.50	2047.0m	Engaged grapple after three attempts and picked up 215 t (475 klbs) to pull casing free, unsuccessful.
IC	TP (SCS)	CCT	1700	1730	0.50	2047.0m	Slacked off weight and continued to cut casing with 810 L/min (214 GPM), 7.6 MPa (1100 psi), 60 rpm and 2.7-6.8 kNm (2-5 kft.lbs) torque. Torque was erratic throughout cut.
IC	TP (SCS)	CCT	1730	1800	0.50	2047.0m	Attempted to engage grapple and pick up on fish, unsuccessful. No overpull or extra string weight observed.
IC	TP (SCS)	CCT	1800	1900	1.00	2047.0m	POOH with 244 mm (9 5/8") cutter assembly from 1300 m to 838 m.
IC	TP (SCS)	CCT	1900	2030	1.50	2047.0m	Laid out 244 mm (9 5/8") casing cutting assembly: bumper sub, x/over, marine swivel and A-Z casing spear. 244 mm (9 5/8") casing stop on marine swivel found to be on an angle and impeding inner sleeve rotation and therefore grapple unable to be engaged onto spear. Set screws removed and tool redressed for next run.
IC	TP (SCS)	CCT	2030	2200	1.50	2047.0m	Continued to POOH from 838 m to cutter package.
IC	TP (SCS)	CCT	2200	2230	0.50	2047.0m	Inspected and laid out 244 mm (9 5/8") cutter assembly. Knife blades showed wear pattern 30 mm on leading edge indicating positive casing

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	TP (SCS)	FSH	2230	2400	1.50	2047.0m	cut. Picked up and made up 244 mm (9 5/8") Itco spear assembly with stop sub, bumper sub and drilling jars. RIH same to 147 m.

**Operations For Period 0000 Hrs to 0600 Hrs on 29 Sep 2008**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	TP (SCS)	FSH	0000	0030	0.50	2047.0m	Continued to RIH fishing assembly to top of fish (TOF) at 451 m.
IC	TP (SCS)	FSH	0030	0100	0.50	2047.0m	Serviced TDS and blocks. Completed pre-jar inspection of TDS.
IC	TP (SCS)	FSH	0100	0130	0.50	2047.0m	Held pre job safety meeting prior to engaging fish and jarring free. Set casing spear grapple and picked up to confirm same.
IC	TP (SCS)	FSH	0130	0400	2.50	2047.0m	Attempted to jar casing free with 45-54 t (100-120 klbs) overpull, unsuccessful. Pulled casing to 113 t (250 klbs) overpull and allowed rig heave to work same unsuccessful. Continued to jar and work pipe as above, unsuccessful.
IC	TP (SCS)	FSH	0400	0600	2.00	2047.0m	Slacked off weight and released grapple. POOH, racked back HWDP and laid out Itco spear fishing assembly.

WBM Data				Cost Today					
Mud Type:	KCL/GLY	API FL:	4cm <sup>3</sup> /30m	KCl:	10%	Solids:	5.98	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:		Hard/Ca:	540	H <sub>2</sub> O:	94%	PV:	0.019Pa/s
Time:	21:00	HTHP-FL:		MBT:	6.2	Oil:		YP:	0.163MPa
Weight:	1.20sg	HTHP-Cake:	0mm	PM:	0.1	Sand:	0.2	Gels 10s:	0.048
Temp:				PF:	0.02	pH:	8.5	Gels 10m:	0.105
						PHPA:	1ppb	Fann 003:	9
								Fann 006:	11
								Fann 100:	32
								Fann 200:	44
								Fann 300:	53
								Fann 600:	72
Comment: No treatment required to active system.									

Bulk Stocks							
Name	Unit	In	Used	Adjust	Balance	Comment	
Barite	mT	0	0	0	136.0		
Gel	mT	0	0	0	33.0		
Cement	mT	0	0	0	84.0		
Fuel	m3	0	13	0	409.0		
Potable Water	m3	30	26	0	368.0		
Drill Water	m3	0	12	0	463.0		

Personnel On Board		
Company	Comment	Pax
Santos		3
DOGC		47
ESS		8
BHI		6
Dowell		2
Rheochem		2
MI Swaco		1
TMT		6
Cameron		1
Santos	Geologist	2
Schlumberger Drilling & Measurements	Directional	1
Premium Casing Services		6
Taylor Brothers		2
DOGC		1
SMITH		1
<b>Total</b>		<b>89</b>

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	28 Sep 2008	0 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	25 Days	Rig visit by DPI. Conducted an environmental audit on Santos operation.
Fire Drill	1	28 Sep 2008	0 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	22 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	21	28 Sep 2008	0 Days	Drill crew - 5 Deck Crew - 9 Welder - 3 Mechanic - 2 3rd Party - 4
Lost Time Incident	1	30 May 2008	121 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	46 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	28 Sep 2008	0 Days	Discussed upcoming operations and associated hazards prior to each shift starting.
PTW Issued	11	28 Sep 2008	0 Days	7 x hot work 4 x cold work
Safety Audit	1	29 Jul 2008	61 Days	Santos environment audit conducted.
Safety Audit	1	30 Jul 2008	60 Days	EHSMS audit conducted onboard.
Safety Meeting	3	28 Sep 2008	0 Days	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	27 Sep 2008	1 Day	Inducted new personnel to site after DODI rig wide induction.
Stop Observations	35	28 Sep 2008	0 Days	17 - Safe 18 - Corrective Actions
STOP Tour	2	28 Sep 2008	0 Days	Submitted 2 by Diamond supervisor Stop audit.

Shakers, Volumes and Losses Data				Engineer : Kellie Jericho / Carrisa			
Available	311.8m <sup>3</sup>	Losses	2.4m <sup>3</sup>	Equip.	Descr.	Mesh Size	Hours
Active	74.9m <sup>3</sup>	Downhole	0.0m <sup>3</sup>				
Mixing		Surf+ Equip	0.0m <sup>3</sup>				
Hole	154.9m <sup>3</sup>	Dumped					
Slug	0.0m <sup>3</sup>	De-Sander	2.4m <sup>3</sup>				
Reserve	39.7m <sup>3</sup>	De-Silter					
Kill	0.0m <sup>3</sup>	Centrifuge					
Storage	42.3m <sup>3</sup>						

Marine								Rig Support		
Weather check on 28 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)
22.2km	50km/h	248.0deg	1018.00bar	12.0C°	2.0m	248.0deg	3sec	1	1353.0	94.80
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments				
1.0deg	0.5deg	1.50m	3.0m	225.0deg	12sec					
Rig Dir.	Ris. Tension	VDL		Comments						
217.0deg	122.47mt	973.41mt						8		
								1389.9		
								1389.9		
								89.81		

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip		20:00 hrs 27.09.08	Portland	<b>Item</b>	<b>Unit</b>	<b>Quantity</b>
				Fuel	m3	182
				Potable Water	m3	268
				Drill Water	m3	340
				Gel	mt	59
				Cement	mt	0
				Barite	mt	0
				KCl Brine	m3	9
				NaCl Brine	m3	0
				Mud	m3	43.7
Nor Captain	18:00 hrs 27/09/08		Standby Ocean Patriot	<b>Item</b>	<b>Unit</b>	<b>Quantity</b>
				Fuel	m3	526.6
				Potable Water	m3	252
				Drill Water	m3	414
				Gel	mt	42
				Cement	mt	0
				Barite	mt	0
				KCl Brine	m3	0
				NaCl Brine	m3	0
				Mud	m3	60

Helicopter Movement					
Flight #	Time	Destination	Comment	Pax	
BYV		Essendon	No helicopters on weekends.	0	
BYV		Ocean Patriot	No helicopters on weekends.	0	