

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	\$753,991
Rig	Ocean Patriot	Days from spud	27.87	Shoe TVD	652.0m	Cum Cost	\$29,772,603
Water Depth (LAT)	66.3m	Days on well	5.79	F.I.T. / L.O.T.	/ 2.20sg	Planned TD	2552.0m
RT-SL(LAT)	21.5m	Current Op @ 0600 Continue to POOH 244 mm (9 5/8") casing from 433 m.					
RT-ML	87.8m	Planned Op POOH 244 mm (9 5/8") casing, break and layout shoe track. Make up and RIH 311 mm (12 1/4") BHA for wiper trip.					
Rig Heading	217.0deg						

Summary of Period 0000 to 2400 Hrs

Attempted to work casing past 1927 m, unsuccessful. Changed out handling gear and POOH casing from 1927 m to 1006 m.

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 21 Sep 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	TP (OTH)	WTH	0000	0200	2.00	2047.0m	Worked casing free from 1927 m to 1940 m with 890 L/min (235 GPM). Unable to wash casing down to connection due to FAC tool packer space out. Attempted to work down without pumps unsuccessful.
IC	TP (OTH)	WTH	0200	0300	1.00	2047.0m	Held pre job safety meeting, laid out single joint of casing and made up 273 mm (10 3/4") by NC50 water bushing. Changed out handling gear for DP and made up a stand of DP to water bushing.
IC	TP (OTH)	WTH	0300	0800	5.00	2047.0m	Worked casing on DP from 1920 m to 1927 m with 850 - 1053 L/min (235 - 278 GPM). No drag observed. Minimal debris returned at shakers, mostly fine sand with some filter cake. Unable to work past 1927 m, taking weight and starting to pack off. Rotated pipe with torque limit set to 20.3 kNm (15 kft.lbs) at 15 RPM. Casing rotated free from 1920 to 1927 m with 13.6-20.3 kNm (10-15 kft.lbs) torque. Unable to work past 1927 m, TDS stalling out on torque limit cut off.
IC	U (HC)	HT	0800	0900	1.00	2047.0m	Removed water bushing and racked back stand of drill pipe. Changed out handling gear for 273 mm (10 3/4") casing.
IC	U (HC)	TO	0900	1500	6.00	2047.0m	POOH and laid out 273 mm (10 3/4") casing from 1927 m to 1535 m. Collar backed off joint #20, attempted to work casing while rigged up back-up tongs, unsuccessful. Unable to go down past 1778 m. Made up collar and continued POOH.
IC	U (HC)	TO	1500	1600	1.00	2047.0m	Changed out casing handling gear from 273 mm (10 3/4") to 244 mm (9 5/8").
IC	U (HC)	TO	1600	2400	8.00	2047.0m	Continued to POOH 244 mm (9 5/8") casing from 1535 m to 1006 m. Casing threads in good condition, no hole problems observed.

Operations For Period 0000 Hrs to 0600 Hrs on 22 Sep 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	U (HC)	TO	0000	0600	6.00	2047.0m	Continued to POOH 244 mm (9 5/8") casing from 1006 m to 433 m.

WBM Data

Cost Today \$ 4964

Mud Type:	KCL/GLY	API FL:	4cm ³ /30m	KCl:	8%	Solids:	10	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:		Hard/Ca:	520	H2O:	90%	PV:	0.028Pa/s
Time:	22:00	HTHP-FL:		MBT:	8	Oil:		YP:	0.163MPa
Weight:	1.32sg	HTHP-Cake:	0mm	PM:	0.1	Sand:	0.5	Gels 10s:	0.043
Temp:				PF:	0.04	pH:	8.5	Gels 10m:	0.067
						PHPA:	1ppb	Fann 003:	9
								Fann 006:	11
								Fann 100:	35
								Fann 200:	50
								Fann 300:	62
								Fann 600:	90

Comment Centrifuged surface fluid back to 11 ppg. Built 145 bbls of new KCL/Gly in pit 1 to accommodate wiper trip.

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	Comment
Barite	mT	0	0	0	75.0	
Gel	mT	0	0	0	33.0	
Cement	mT	0	0	0	51.0	
Fuel	m3	162	20	0	498.0	
Potable Water	m3	29	29	0	393.0	
Drill Water	m3	0	12	0	384.0	

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	2
Schlumberger Drilling & Measurements	Directional	3
Premium Casing Services		6
Taylor Brothers		2
Apache		1
Total		95

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	21 Sep 2008	0 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	18 Days	Rig visit by DPI. Conducted an environmental audit on Santos operation.
Fire Drill	1	21 Sep 2008	0 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	15 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	20	21 Sep 2008	0 Days	Drill crew - 7 Deck Crew - 13
Lost Time Incident	1	30 May 2008	114 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	39 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	21 Sep 2008	0 Days	Discussed upcoming operations and associated hazards prior to each shift starting.
PTW Issued	9	21 Sep 2008	0 Days	7 x hot work 2 x cold work
Safety Audit	1	29 Jul 2008	54 Days	Santos environment audit conducted.
Safety Audit	1	30 Jul 2008	53 Days	EHSMS audit conducted onboard.
Safety Meeting	3	21 Sep 2008	0 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	19 Sep 2008	2 Days	Inducted new personnel to site after DODI rig wide induction.
Stop Observations	68	21 Sep 2008	0 Days	41 - Safe 27 - Corrective Actions
STOP Tour	1	21 Sep 2008	0 Days	Submitted 1 by Diamond supervisor Stop audit.

Shakers, Volumes and Losses Data				Engineer : Kellie Jericho / Fius Siregar			
Available	283.0m ³	Losses	7.6m ³	Equip.	Descr.	Mesh Size	Hours
Active	80.6m ³	Downhole					
Mixing		Surf+ Equip	5.4m ³				
Hole	158.8m ³	Dumped					
Slug	0.0m ³	De-Sander					
Reserve	43.6m ³	De-Silter					
Kill	0.0m ³	Centrifuge	2.2m ³				
Storage							

Marine								Rig Support		
Weather check on 21 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	41km/h	340.0deg	1006.00bar	13.0C°	1.0m	340.0deg	3sec	1	1353.0	130.18
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments				
0.6deg	0.4deg	1.00m	3.0m	270.0deg	12sec					
Rig Dir.	Ris. Tension	VDL		Comments				2	1372.8	128.82
217.0deg	122.47mt	1001.08mt					3	1386.8	126.10	
								4	1414.0	127.91
								5	1365.8	125.19
								6	1389.9	123.83
								7	1393.9	122.02
								8	1389.9	127.01

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip	19:45 hrs 19/09/08		Running Standby	Item	Unit	Quantity
				Fuel	m3	250
				Potable Water	m3	392
				Drill Water	m3	530
				Gel	mt	59
				Cement	mt	40.5
				Barite	mt	52
				KCl Brine	m3	9
				NaCl Brine	m3	0
				Mud	m3	43.7
						0
Nor Captain		20:50 hrs 19/09/08	Portland waiting on casing.	Item	Unit	Quantity
				Fuel	m3	373
				Potable Water	m3	258
				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		Ocean Patriot	No Helicopters over the weekends	
BYV		Essendon	No Helicopters over the weekends	