

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	\$749,896
Rig	Ocean Patriot	Days from spud	33.87	Shoe TVD	652.0m	Cum Cost	\$34,994,764
Water Depth (LAT)	66.3m	Days on well	11.79	F.I.T. / L.O.T.	/ 2.20sg	Planned TD	2552.0m
RT-SL(LAT)	21.5m	Current Op @ 0600	Rig up to run wear bushing.				
RT-ML	87.8m	Planned Op	RIH to 1300 m, cut and free casing. Recover casing.				
Rig Heading	217.0deg						

Summary of Period 0000 to 2400 Hrs

Attempted to work stuck casing free by reducing MW, unsuccessful. Set cement plug over shoe to isolate Waarre A sands and backed off casing above 340 mm (13 3/8") casing shoe. POOH 8 joints 273 mm (10 3/4") casing and laid out same.

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 27 Sep 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	TP (SP)	CRN	0000	1330	13.50	2047.0m	Continued attempting to work casing free while reducing mud weight to 1.2 sg, (10 ppg).
IC	TP (SP)	HT	1330	1500	1.50	2047.0m	Set slips with casing in neutral weight. Broke and laid out single of 273 mm (10 3/4") casing joint, water bushing and TIW valve. Made up water bushing to 273 mm (10 3/4") casing, installed cementing sub and made up cement hose. Latched casing with 350 t elevators, picked up string weight and compensated string.
IC	TP (SP)	CMP	1500	1700	2.00	2047.0m	Lined up cement unit and pumped 0.8 m3 (5 bbls) of sea water. Closed low torque vavle on cementing sub and p/t surface lines to 3.4 MPa (500 psi). Pumped 0.8 m3 (5 bbls) of sea water, mixed and pumped 6.4 m3 (40 bbls) of 1.9 sg 15.8 ppg at 636 L/min (4 bpm), pumped 7.9 m3 (50 bbls) of Hi-vis mud and displaced with 68 m3 (428 bbls) of 1.2 sg (10 ppg) mud at 954 L/min (6 bpm). Bled off pressure and confirmed floats holding. ok.
IC	TP (SP)	HT	1700	1800	1.00	2047.0m	Broke off cement circulating sub, changed out elevators for DP and made up 4.5 m pup joint to water bushing. Marked all connections above rotary with a single vertical line.
IC	TP (SP)	OA	1800	2000	2.00	2047.0m	Picked up to 127 t (280 klbs) and applied left hand torque to casing string. Staged up torque in 6.8 kNm (5 kft.lbs) increments and worked into string. Observed back out at 31.2 kNm (23 kft.lbs) at the water bushing to 273 mm (10 3/4") casing connection. Set string in slips and re-torqued to 36.6 kNm (27 kft.lbs) with casing tongs. Picked up to 127 t (280 klbs) and applied left hand torque as previously. Observed backout at water bushing to pup joint. Unable to torque string above 38 kNm (28 kft.lbs) with TDS. Set casing in slips and made up to 43.4 kNm (32 kft.lbs) with rig tongs. Adjusted TDS setting on pipe handler to 44.7 kNm (33 kft.lbs) and made up pup joint to saver sub to same. Picked up to 127 t (280 klbs) and applied left hand torque as previously. Observed back-off downhole and counted 11 rotations. String came free with 88.4 t (195 klbs) on weight indicator.
IC	TP (SP)	SM	2000	2030	0.50	2047.0m	Held pre job safety meeting with rig crew, deck crew and casing crew. Cleaned and prepared rig floor for POOH casing.
IC	TP (SP)	HT	2030	2230	2.00	2047.0m	Broke out first joint of casing with water bushing and pup joint and set in mouse hole on single joint elevators. Used iron roughneck to brake out pup joint and water bushing from casing. Laid out single of casing and made up TIW to water bushing and set aside.
IC	TP (SP)	CPL	2230	2400	1.50	2047.0m	POOH 8 joints of 273 mm (10 3/4") casing and laid out with crane.

Operations For Period 0000 Hrs to 0600 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	HT	0530	0600	0.50	2047.0m	(IN PROGRESS) Rigged down casing handling equipment and rigged up to handle

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
	(SCS)						DP.

WBM Data		Cost Today \$ 25342							
Mud Type:	KCL/GLY	API FL:	4cm ³ /30m	KCl:	10%	Solids:	5.98	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:		Hard/Ca:	500	H2O:	94%	PV:	0.020Pa/s
Time:	23:30	HTHP-FL:		MBT:	6.2	Oil:		YP:	0.158MPa
Weight:	1.20sg	HTHP-Cake:	0mm	PM:	0.1	Sand:	0.2	Gels 10s:	0.048
Temp:				PF:	0.02	pH:	8.2	Gels 10m:	0.110
						PHPA:	1ppb	Fann 003:	9
								Fann 006:	11
								Fann 100:	33
								Fann 200:	44
								Fann 300:	53
								Fann 600:	73
Comment	Reduced active to 10 ppg with light density premix additions. Dumped 31 bbls of active to allow light weight mud addition.								

Bulk Stocks							
Name	Unit	In	Used	Adjust	Balance	Comment	
Barite	mT	0	2	0	136.0		
Gel	mT	0	0	0	33.0		
Cement	mT	0	10	0	84.0		
Fuel	m3	0	8.7	0	422.0		
Potable Water	m3	30	28	0	364.0		
Drill Water	m3	0	147	0	475.0		

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	
Total		89	

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	21 Sep 2008	6 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	24 Days	Rig visit by DPI. Conducted an environmental audit on Santos operation.
Fire Drill	1	21 Sep 2008	6 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	21 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	27	27 Sep 2008	0 Days	Drill crew - 7 Deck Crew - 13 Welder - 3 Mechanic - 4
Lost Time Incident	1	30 May 2008	120 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	45 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	27 Sep 2008	0 Days	Discussed upcoming operations and associated hazards prior to each shift starting.
PTW Issued	18	27 Sep 2008	0 Days	10 x hot work 8 x cold work
Safety Audit	1	29 Jul 2008	60 Days	Santos environment audit conducted.
Safety Audit	1	30 Jul 2008	59 Days	EHSMS audit conducted onboard.
Safety Meeting	3	21 Sep 2008	6 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	27 Sep 2008	0 Days	Inducted new personnel to site after DODI rig wide induction.
Stop Observations	50	27 Sep 2008	0 Days	24 - Safe 26 - Corrective Actions
STOP Tour	2	27 Sep 2008	0 Days	Submitted 2 by Diamond supervisor Stop audit.

Shakers, Volumes and Losses Data				Engineer : Kellie Jericho / Carrisa			
Available	314.1m ³	Losses	39.4m ³	Equip.	Descr.	Mesh Size	Hours
Active	65.8m ³	Downhole	0.0m ³				
Mixing		Surf+ Equip	1.1m ³				
Hole	144.2m ³	Dumped	20.8m ³				
Slug	0.0m ³	De-Sander					
Reserve	104.1m ³	De-Silter					
Kill	0.0m ³	Centrifuge	17.5m ³				
Storage							

Marine								Rig Support		
Weather check on 27 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	22km/h	200.0deg	1008.00bar	15.0C°	0.1m	200.0deg	3sec	1	1353.0	94.80
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments				
0.3deg	0.3deg	0.50m	1.6m	240.0deg	12sec					
Rig Dir.	Ris. Tension	VDL	Comments							
217.0deg	122.47mt	975.68mt								
								2	1372.8	107.96
								3	1386.8	117.03
								4	1414.0	94.80
								5	1365.8	102.06
								6	1389.9	99.79
								7	1393.9	94.80
								8	1389.9	89.81

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip		20:00 hrs 27.09.08	On steam to Portland	Item	Unit	Quantity
				Fuel	m3	188
				Potable Water	m3	274
				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	Item	Unit	Quantity
				Fuel	m3	537.7
				Potable Water	m3	257
				Drill Water	m3	414
				Gel	mt	42
				Cement	mt	0
				Barite	mt	
				KCl Brine	m3	0
				NaCl Brine	m3	0
				Mud	m3	60

Helicopter Movement					
Flight #	Time	Destination	Comment	Pax	
BYV	09:04	Ocean Patriot		0	
BYV	09:12	Essendon		5	