

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	\$820,760
Rig	Ocean Patriot	Days from spud	25.87	Shoe TVD	652.0m	Cum Cost	\$28,263,901
Water Depth (LAT)	66.3m	Days on well	3.79	F.I.T. / L.O.T.	/ 2.20sg	Planned TD	2552.0m
RT-SL(LAT)	21.5m	Current Op @ 0600	Continue to RIH casing from 450 m.				
RT-ML	87.8m	Planned Op	Run casing and landout casing hanger on drill pipe, cement same. Set seal assembly and p/t casing and BOP's.				
Rig Heading	217.0deg						

Summary of Period 0000 to 2400 Hrs

Reamed in hole on wiper trip from 1940 m to 2047 m. Circulated hole clean and POOH. Laid out LWD/MWD/DD BHA. Picked up and racked back cement head and CHSART stand in aft finger board. Recovered wear bushing and jetted BOP's and wellhead. Rigged up to and ran 9 5/8" csg to 60 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 19 Sep 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	P	RW	0000	0100	1.00	2047.0m	Continued to ream in hole from 1940 m to 2047 m.
IH	P	CHC	0100	0200	1.00	2047.0m	Circulated 1.5 times bottoms up, shakers clean.
IH	P	TO	0200	1030	8.50	2047.0m	Flow checked well and POOH conventionally from 2047 m to BHA at 42 m. Worked tight hole at: 1950 m, 1890 m, 1850 m, 1770 m, 1700 m, 1680 m, 1650 m, 1630 m, 1590 m.
IH	P	HBHA	1030	1400	3.50	2047.0m	Laid out 311 mm (12 1/4") BHA.
IH	P	WH	1400	1800	4.00	2047.0m	RIH with jet sub and wear bushing retrieval tool. Jetted well head, XT and BOP's with 1033 L/min (273 GPM), 10 RPM. Latched wear bushing and pulled free with 0.9 t (2 klbs). Jetted wellhead on trip out with same parameters. POOH and laid out retrieval tool. Wear bushing showed no signs of wear.
IC	P	HT	1800	1830	0.50	2047.0m	Picked up and made up cement head and racked back with a double of HWDP in aft finger board.
IC	P	HT	1830	1930	1.00	2047.0m	Picked up and made up CHSART and racked back on stand of DP in aft finger board.
IC	P	SM	1930	1945	0.25	2047.0m	Held pre job safety meeting with third party, deck crew and drill crew prior to rig up to run casing.
IC	P	RRC	1945	2200	2.25	2047.0m	Made up catwalk, drill floor and TDS for running 244 mm (9 5/8") chrome casing.
IC	P	TI	2200	2400	2.00	2047.0m	Picked up and made up shoe track, tested floats, ok. RIH to 60 m.

Operations For Period 0000 Hrs to 0600 Hrs on 20 Sep 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	P	TI	0000	0330	3.50	2047.0m	Continued to run 244 mm (9 5/8") casing from 60 m to 421 m. Filled each joint and broke circulation every 10.
IC	TP (OTH)	TI	0330	0500	1.50	2047.0m	Cross threaded jt#19, torque levelled out prematurely. When laying out, TDS came into contact with stabbing arm due to stabbing arm not being racked back completely. Damage was caused to a hydraulic hose on the stabbing arm. Hydraulic system was disabled with minimal loss of fluid, no dropped objects. Hose not required for operations and was blanked off at both ends. Continued to layout casing joint #19 and #18.
IC	P	TI	0500	0600	1.00	2047.0m	(IN PROGRESS) Continued to run 244 mm (9 5/8") casing from 409 m to 1521 m. Filled each joint and broke circulation every 10. Laid out jt # 20 and # 21 due to galling.

WBM Data		Cost Today \$ 7078							
Mud Type:	KCL/GLY	API FL:	5cm ³ /30m	KCl:	8%	Solids:	10	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:		Hard/Ca:	520	H2O:	90%	PV:	0.028Pa/s
Time:	21:30	HTHP-FL:		MBT:	7.2	Oil:		YP:	0.211MPa
Weight:	1.32sg	HTHP-Cake:	0mm	PM:	0.1	Sand:	0.75	Gels 10s:	0.048
Temp:				PF:	0.05	pH:	8.5	Gels 10m:	0.081
						PHPA:	1ppb	Fann 003:	9
								Fann 006:	12
								Fann 100:	40
								Fann 200:	58
								Fann 300:	72
								Fann 600:	105
Comment: Finished cleaning pits 4 and 5. Received 828 bbls of DIF from the Nor Captain. Dumped 103 bbls of 11 ppg KCL/Gly mud to accommodate room for the DIF.									

Bit # 7				Wear	I	O1	D	L	B	G	O2	R
				0	1	CT	S	X	I	BU	TD	
Size:	311mm	IADC#	M323	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	REED	WOB(avg)		No.	Size	Progress	0.0m	Cum. Progress	338.0m			
Type:		RPM(avg)		1	15/32nd"	On Bottom Hrs	0.00h	Cum. On Btm Hrs	1.70h			
Serial No.:	121513	F.Rate		6	16/32nd"	IADC Drill Hrs	0.00h	Cum IADC Drill Hrs	2.50h			
Bit Model	RSX519 M-B30	SPP				Total Revs		Cum Total Revs	0			
Depth In	1709.0m	TFA	1.351			ROP(avg)	N/A	ROP(avg)	198.82 m/hr			
Depth Out	2047.0m											

BHA # 7						
Weight(Wet)	19.05mt	Length	212.4m	Torque(max)	D.C. (1) Ann Velocity	0mpm
Wt Below Jar(Wet)	17.24mt	String		Torque(Off.Btm)	D.C. (2) Ann Velocity	0mpm
		Pick-Up		Torque(On.Btm)	H.W.D.P. Ann Velocity	0mpm
		Slack-Off			D.P. Ann Velocity	0mpm

BHA Run Description		Directional / FEWD				
Equipment	Length	OD	ID	Serial #	Comment	
Bit	0.32m	311mm		121513		
Powerdrive 900	9.05m	308mm	127mm	50347	Blank float installed. Xceed survey = 5.10m from the bit.	
ARC-8	5.90m	231mm	76mm	1871	Resistivity & Gama = 11.36m from the bit.	
In-Line Stabiliser	0.83m	291mm	111mm	ASQ8062		
Telescope HF	8.15m	213mm	76mm	E0005	Powerpulse survey = 19.25m from the bit.	
NMDC	9.37m	226mm	71mm	SBD4466		
NMDC	8.55m	213mm	71mm	N688		
X/O	1.09m	203mm	67mm	GUD123-1		
HWDP	121.38m	175mm	76mm			
6.375in Jars	9.73m	162mm	70mm	DAH01628		
HWDP	37.30m					

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	Comment
Barite	mT	0	10	0	75.0	
Gel	mT	0	0	0	33.0	
Cement	mT	0	0	0	51.0	
Fuel	m3	0	18.4	0	370.2	
Potable Water	m3	30	27	0	387.0	
Drill Water	m3	0	12	0	424.0	

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	14 Sep 2008	5 Days	Abandon drill completed after the simulated fire was under control. Completed full muster at the forward lifeboats at 10:49 hrs.
Environmental Audit	1	03 Sep 2008	16 Days	Rig visit by DPI. Conducted an environmental audit on Santos operation.
Fire Drill	1	14 Sep 2008	5 Days	Simulated a fire in the purifier flat. Emergency alarm sounded at 10:30 hrs, emergency under control at 10:44 hrs. Full muster complete at 10:49 hrs
First Aid	1	06 Sep 2008	13 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	24	19 Sep 2008	0 Days	Drill crew - 10 Deck Crew - 14
Lost Time Incident	1	30 May 2008	112 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	37 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	19 Sep 2008	0 Days	Discussed upcoming operations and associated hazards prior to each shift starting.
PTW Issued	9	19 Sep 2008	0 Days	5 x hot work permits 4 x cold work permits
Safety Audit	1	29 Jul 2008	52 Days	Santos environment audit conducted.
Safety Audit	1	30 Jul 2008	51 Days	EHSMS audit conducted onboard.
Safety Meeting	3	14 Sep 2008	5 Days	Reviewed stop cards for the week. Discussed the fire drill and the scenario of a fire in the purifier flat. Reviewed fire extinguisher location, housekeeping and availability.
Santos Induction	1	19 Sep 2008	0 Days	Inducted new personnell to site after DODI rig wide induction.
Stop Observations	55	19 Sep 2008	0 Days	36 - Safe 19 - Corrective Actions
STOP Tour	11	14 Sep 2008	5 Days	Submitted Diamond supervisor audits.

Shakers, Volumes and Losses Data				Engineer : Kellie Jericho / Fius Siregar			
Available	289.6m ³	Losses	32.6m ³	Equip.	Descr.	Mesh Size	Hours
Active	38.2m ³	Downhole	0.0m ³				
Mixing		Surf+ Equip	0.0m ³				
Hole	167.1m ³	Dumped	31.2m ³				
Slug	0.0m ³	De-Sander					
Reserve	84.3m ³	De-Silter					
Kill	0.0m ³	Centrifuge	1.4m ³				
Storage							

Marine										
Weather check on 19 Sep 2008 at 24:00								Rig Support		
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Chain out (m)	Tension (mt)
18.5km	56km/h	330.0deg	1008.00bar	13.0C°	1.0m	330.0deg	3sec	1	1353.0	122.02
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments		2	1372.8	118.84
0.6deg	0.5deg	1.00m	3.0m	250.0deg	12sec			3	1386.8	125.19
Rig Dir.	Ris. Tension	VDL	Comments					4	1414.0	123.83
217.0deg	122.47mt	973.86mt						5	1365.8	130.18
								6	1389.9	132.90
								7	1393.9	122.02
								8	1389.9	127.91

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip	19:45 hrs 19/09/08		Running Standby	Item	Unit	Quantity
				Fuel	m3	433
				Potable Water	m3	408
				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
Nor Captain		20:50 hrs 19/09/08	On steam to Portland. Pilot booked for 09:00 hrs 20/09/08.	Item	Unit	Quantity
				Fuel	m3	382
				Potable Water	m3	256
				Drill Water	m3	393
				Gel	mt	42
				Cement	mt	0
				Barite	mt	0
				KCl Brine	m3	0
				NaCl Brine	m3	0
				Mud	m3	139

Helicopter Movement				
Flight #	Time	Destination	Comment	Pax
BYV	11:20	Ocean Patriot		6
BYV	11:31	Essendon		10