

From : Chris Roots / Nathan Peri
OIM : Dennis Gore

Well Data

Country	Australia	Measured Depth	1329.0m	Current Hole Size	311mm	AFE Cost	\$41,512,831
Field		TVD	1292.0m	Casing OD	340mm	AFE No.	5746043
Drill Contractor	DOGC	Progress	397.0m	Shoe MD	652.0m	Daily Cost	\$768,845
Rig	Ocean Patriot	Days from spud	13.87	Shoe TVD	652.0m	Cum Cost	\$17,900,431
Water Depth (LAT)	66.3m	Days on well	14.58	F.I.T. / L.O.T.	/ 2.20sg	Planned TD	2552.0m
RT-SL(LAT)	21.5m	Current Op @ 0600 Continued drilling ahead from 1393 mRT, 1341 mTVD.					
RT-ML	87.8m	Planned Op Continue to drill ahead. Circulate 3 by bottoms up, POH.					
Rig Heading	217.0deg	Change out FEWD tools and new 311mm (12.25") PDC bit. RIH and drill ahead to pilot hole TD.					

Summary of Period 0000 to 2400 Hrs

Continued to drill ahead from 932m to 1329m RT.

Formations

Name	Top (MD)	Top (TVD)	Comment
Pember Mudstone	1092.5m	1086.9m	12.1m Low
Pebble Point	1132.5m	1121.9m	22.1m Low
Massacre Shale	1207.0m	1189.1m	33.3m Low
Timboon Fm	1222.0m	1202.2m	36.4m Low

Operations For Period 0000 Hrs to 2400 Hrs on 07 Sep 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PH	P	DA	0000	0600	6.00	1063.0m	Control drilled directional 311mm (12.25") hole from 932m to 1063m RT (1059.3mTVD). Surveyed on connections. Parameters: ROP 22m/hr, WOB 17.8 t (40klbs), 150 RPM, Tq 16.3 kNm (12 kftlbs), SPP 21.4 MPa (3100psi). Last Survey: 1026.48mRT, 1024.13 mTVD, 16.66 Incl, 146.40 Azi.
PH	P	DA	0600	1200	6.00	1194.0m	Drilled ahead 311mm (12.25") hole from 1063m to 1194m RT (1177.6mTVD). Surveyed and reamed a stand on connections. ROP 22m/hr
PH	P	DA	1200	1800	6.00	1260.0m	Drilled ahead 311mm (12.25") hole from 1194m to 1260m RT (1235mTVD). Surveyed and reamed a stand on connections. ROP 11m/hr
PH	P	DA	1800	2400	6.00	1329.0m	Drilled ahead 311mm (12.25") hole from 1260m to 1329m RT (1292mTVD). Surveyed and reamed on connections. Parameters: ROP 12m/hr, WOB 17.8-22.2 t (40-50klbs), 150 RPM, Tq 33.9 kNm (25 kftlbs), SPP 24.3 MPa (3475psi), flow rate 3785 L/min (1000gpm). Last Survey: 1344 mRT, 1304 mTVD, 38.7° Incl, 112° Azi.

Operations For Period 0000 Hrs to 0600 Hrs on 08 Sep 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PH	P	DA	0000	0600	6.00	1393.0m	Drilled ahead 311mm (12.25") hole from 1329m to 1393m RT (1341mTVD). Surveyed and reamed on connections. Parameters: ROP 10.6m/hr, WOB 17.8-22.2 t (40-50klbs), 100-150 RPM, Tq 13-33.9 kNm (10-25 kftlbs), SPP 24.3 MPa (3475psi), flow rate 3785 L/min (1000gpm). Last Survey: 1344 mRT, 1304 mTVD, 38.7° Incl, 112° Azi.

WBM Data

Cost Today \$ 11000

Mud Type:	KCL/GLY	API FL:	4cm³/30m	KCl:	9%	Solids:	6.12	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:		Hard/Ca:	520	H2O:	93%	PV:	0.023Pa/s
Time:	22:30	HTHP-FL:		MBT:	7	Oil:		YP:	0.201MPa
Weight:	1.20sg	HTHP-Cake:	0mm	PM:	0.3	Sand:	0.5	Gels 10s:	0.057
Temp:				PF:	0.1	pH:	8.5	Gels 20m:	0.139
						PHPA:	1ppb	Fann 003:	11
								Fann 006:	15
								Fann 100:	40
								Fann 200:	54
								Fann 300:	65
								Fann 600:	88

Comment Receive 400 bbl recycled mud from Nor Captain, 525 bbl KCL/Glycol Brine from Far Grip. Continue increase PHPA concentration at active system. Add Flowzan to increase 6rpm reading. Screen up all four shakers to 200 mesh, run desander and centrifuges continuously. Dump 25 bbl from sand trap. Mix 440 bbl KCL/Glycol/PHPA mud in Pit4.

Bit # 3				Wear	I	O1	D	L	B	G	O2	R
Size:	311mm	IADC#	117	Nozzles			Drilled over last 24 hrs			Calculated over Bit Run		
Mfr:	Hughes Christensen	WOB(avg)	14.97mt	No.	Size	Progress	397.0m	Cum. Progress		672.0m		
Type:	Rock	RPM(avg)	110	1	16/32nd"	On Bottom Hrs	15.79h	Cum. On Btm Hrs		19.91h		
Serial No.:	5127797	F.Rate	3483lpm	3	18/32nd"	IADC Drill Hrs	24.00h	Cum IADC Drill Hrs		31.00h		
Bit Model	MXL-1X	SPP	19471kPa				Total Revs	105300	Cum Total Revs		134300	
Depth In	657.0m	TFA	0.942				ROP(avg)	25.14 m/hr	ROP(avg)		33.75 m/hr	
Depth Out												
Daily Comment				Reamed and surveyed on connections.								

BHA # 3							
Weight(Wet)	38.10mt	Length	300.8m	Torque(max)	29104.0Nm	D.C. (1) Ann Velocity	79.86mpm
Wt Below Jar(Wet)	35.38mt	String	113.40mt	Torque(Off.Btm)	13600.0Nm	D.C. (2) Ann Velocity	0mpm
		Pick-Up	113.40mt	Torque(On.Btm)	4080.0Nm	H.W.D.P. Ann Velocity	66.9mpm
		Slack-Off	108.86mt			D.P. Ann Velocity	54.96mpm

BHA Run Description							
Directional / FEWD							
Equipment	Length	OD	ID	Serial #	Comment		
Bit	0.35m	311mm		5127797			
Powerdrive 900	8.65m	308mm	127mm	O31	Ported float installed. Xceed directional survey = 5.14m from the bit.		
ARC-8	5.77m	231mm	76mm	1106	Resistivity & Gama = 11.1m from the bit.		
In-Line Stabiliser	0.83m	308mm	111mm	ASQ8062			
Telescope HF	8.15m	213mm	76mm	E0005	Powerpulse directional survey = 19.21m from the bit.		
In-Line Stabiliser	0.87m	308mm	111mm	242280730			
Sonic	7.20m	231mm	83mm	34888	Sonic = 28.92m		
ADN	6.57m	226mm	213mm	VC73	Density = 35.09m. Neutron is 36.06m from the bit.		
NMDC	8.55m	213mm	71mm	N688			
Drill Collar	84.37m	203mm	73mm				
X/O	1.09m	203mm	67mm	GUD123-1			
HWDP	121.38m	175mm	76mm				
6.375in Jars	9.73m	162mm	70mm	DAH01628			
HWDP	37.30m						

Survey								
MD (m)	Incl Deg (deg)	Corr. Az (deg)	TVD (m)	'V' Sect (m)	Dogleg (deg/30m)	N/S (m)	E/W (m)	Tool Type
1169.55	27.2	130.4	1156.00					MWD
1198.94	28.3	128.2	1182.01					MWD
1228.12	30.0	126.7	1207.50					MWD
1257.97	31.2	125.3	1233.21					MWD
1287.26	34.0	121.5	1257.89					MWD
1315.37	36.9	115.7	1280.80					MWD

Bulk Stocks							
Name	Unit	In	Used	Adjust	Balance	Comment	
Barite	mT	0	0	0	148.0		
Gel	mT	0	0	0	33.0		
Cement	mT	0	0	0	63.0		
Fuel	m3	0	19.5	0	389.6		
Potable Water	m3	31	23	0	329.0		
Drill Water	m3	240	90	0	679.0		

Personnel On Board		
Company	Comment	Pax
Santos		4
DOGC		54
ESS		8
BHI		6
Dowell		3
Rheochem		2
MI Swaco		1
TMT		7
Cameron		1
Schlumberger Drilling & Measurements	MWD / LWD	3
Santos	Geologist	2
Schlumberger Drilling & Measurements	Directional	3
DOGC Service	Scaffolders	3
Total		97

Casing			
OD	L.O.T. / F.I.T.	Casing Shoe (MD/TVD)	Cementing
762mm	/	131.70/131.70	Slurry: 30.8m ³ (194bbl x 916sxs) of 1.9sg (15.8ppg) class G
340mm	2.20 /	652.00/652.00	Lead: 41m ³ (256bbl x 532sx) of 1.5sg (12.5ppg) class G slurry. Tail: 17.8m ³ (112bbl x 644sx) 150m of 1.9sg (15.8ppg) class G slurry.

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	31 Aug 2008	7 Days	Abandon drill completed after the simulated fire was under control. Completed full muster at the forward lifeboats at 10:48hrs.
Environmental Audit	1	03 Sep 2008	4 Days	Rig visit by DPI. Conducted an environmental audit on Santos operation.
Fire Drill	1	31 Aug 2008	7 Days	Simulated a fire in the subsea shop. Emergency alarm sounded at 10:28hrs, emergency under control at 10:39hrs. Full muster complete at 10:38hrs
First Aid	1	13 Aug 2008	25 Days	During the relocation of a container on the port pipe deck, IP located hand on corner of a container to assist another roustabout to steady for placement. IP looked at the base of the container when it swung and caught his hand between the container and wall resulting in a bruised hand.
First Aid	1	06 Sep 2008	1 Day	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	30	07 Sep 2008	0 Days	Drill crew - 5 Deck Crew - 12 Welder - 3 Marine - 3 Subsea - 1 Mech - 6
Lost Time Incident	1	30 May 2008	100 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	25 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	07 Sep 2008	0 Days	Discussed upcoming operations and associated hazards prior to each shift starting.
PTW Issued	13	07 Sep 2008	0 Days	9 x hot work permits 4 x cold work permits
Rig Inspection	1	30 Aug 2008	8 Days	Conducted 1 by Santos STOP audit. Welding Shop: Stopped welder from working and inspected his permit for validity, OK. We then inspected the workshop for any hazards, found a steel plate leaning against a fire extinguisher. Removed plate away, no other changes required.
Safety Audit	1	30 Jul 2008	39 Days	EHSMS audit conducted onboard.
Safety Meeting	3	07 Sep 2008	0 Days	Reviewed stop cards for the week and awarded Santos best stop card to Brendan Haywood. Discussed the fire drill in the subsea shop. Reviewed fire fighting equipment and where to find them on the rig.
Santos Induction	0	07 Sep 2008	0 Days	Conducted Santos induction to new personnel to site after DODI induction.
Stop Observations	54	07 Sep 2008	0 Days	32 - Safe 22 - Corrective Actions
STOP Tour	1	07 Sep 2008	0 Days	Submitted Diamond supervisor audits.

Shakers, Volumes and Losses Data				Engineer : Paul Marshall / Fius Siregar			
Available	272.2m ³	Losses	58.1m ³	Equip.	Descr.	Mesh Size	Hours
Active	51.8m ³	Downhole		Centrifuge 1	MI SW FVS 518		
Mixing		Surf+ Equip	35.6m ³	Centrifuge 1	MI SW FVS 518		16
Hole	104.5m ³	Dumped	4.0m ³	Centrifuge 2	MI SW FVS 518		
Slug		De-Sander	8.6m ³	Centrifuge 2	MI SW FVS 518		11
Reserve	115.9m ³	De-Silter		Shaker 3	MI SW - BEM 650	10/20/84/84/84/84	
Kill	0.0m ³	Centrifuge	9.9m ³	Shaker 3	MI SW - BEM 650	10/20/200/200/200/200	24
				Shaker 4	MI SW - BEM 650	10/20/84/84/84/84	
				Shaker 4	MI SW - BEM 650	10/20/200/200/200/200	24
				Shaker 5	MI SW - BEM 650	10/20/84/84/84/84	
				Shaker 5	MI SW - BEM 650	10/20/200/200/200/200	24
				Shaker 6	MI SW - BEM 650	10/20/84/84/84/84	
				Shaker 6	MI SW - BEM 650	10/20/200/200/200/200	24

Comment Daily ditch magnet = 20gms.
Total = 50gms.

Marine										
Weather check on 07 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	33km/h	200.0deg	1015.00bar	12.0C°	1.0m	200.0deg	4sec	1	1353.0	122.02
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments		2	1372.8	127.91
0.3deg	0.3deg	0.80m	2.0m	230.0deg	13sec			3	1386.8	127.01
Rig Dir.	Ris. Tension	VDL	Comments					4	1414.0	128.82
217.0deg	122.47mt	945.74mt						5	1365.8	130.18
								6	1389.9	128.82
								7	1393.9	125.19
								8	1389.9	127.91

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip	21:45 hrs 3/09/08		On location Ocean Patriot	Item	Unit	Quantity
				Fuel	m3	530
				Potable Water	m3	390
				Drill Water	m3	340
				Gel	mt	59
				Cement	mt	45.5
				Barite	mt	84
				KCl Brine	m3	29
				NaCl Brine	m3	0
					m3	117
	m3	138				
Nor Captain		16:40 hrs 8/09/08	Transit to Portland. Pilot booked for 08:00hrs.	Item	Unit	Quantity
				Fuel	m3	372
				Potable Water	m3	260
				Drill Water	m3	245
				Gel	mt	0
				Cement	mt	0
				Barite	mt	82
				KCl Brine	m3	0
				NaCl Brine	m3	0
				Mud	m3	12

Helicopter Movement				
Flight #	Time	Destination	Comment	Pax
1			No flights today	