

**From : Peter Devine/ Rohan Richardson**  
**OIM : Dennis Gore**

**Well Data**

Country	Australia	Measured Depth	1652.0m	Current Hole Size	311mm	AFE Cost	\$41,512,831
Field		TVD	0.0m	Casing OD	340mm	AFE No.	5746043
Drill Contractor	DOGC	Progress	0.0m	Shoe MD	652.0m	Daily Cost	\$181,653
Rig	Ocean Patriot	Days from spud	22.08	Shoe TVD	652.0m	Cum Cost	\$24,994,291
Water Depth (LAT)	66.3m	Days on well	22.79	F.I.T. / L.O.T.	/ 2.20sg	Planned TD	2552.0m
RT-SL(LAT)	21.5m	Current Op @ 0600					
RT-ML	87.8m	Planned Op					
Rig Heading	217.0deg						

**Summary of Period 0000 to 2400 Hrs**

Time drilled off cement plug from 1645 m and drilled ahead to 1652 m. Commenced Henry-2DW1 sidetrack.

**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

**Operations For Period 0000 Hrs to 2400 Hrs on 16 Sep 2008**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	P	ST	0000	0500	5.00	1652.0m	Continued to time drill off cement plug from 1645 m to 1652 m at 1 m/hr. 100% formation returns. Commenced Henry-2DW1 sidetrack.

**WBM Data**

**Cost Today \$ 27860**

Mud Type:	KCL/GLY	API FL:	6cm <sup>3</sup> /30m	KCl:	8%	Solids:	10.54	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:		Hard/Ca:	720	H2O:	90%	PV:	0.030Pa/s
Time:	22:00	HTHP-FL:		MBT:	8.5	Oil:		YP:	0.192MPa
Weight:	1.32sg	HTHP-Cake:	1mm	PM:	1.8	Sand:	0.5	Gels 10s:	0.057
Temp:				PF:	0.6	pH:	12	Gels 10m:	0.110
						PHPA:	1ppb	Fann 003:	10
								Fann 006:	13
								Fann 100:	41
								Fann 200:	58
								Fann 300:	70
								Fann 600:	100

Comment Built 625 bbls of KCL/Gly/PHPA fluid for volume. Commenced addition of JK-261 LV direct to active to increase PHPA concentration. Encountered 30 bbls / hr losses at 1695 m. Prepared 70 bbl of 10 ppb Fracseal / sandseal LCM. Spotted 20 bbls of LCM on bottom prior to POOH.

**Bit # 6**

Wear	I	O1	D	L	B	G	O2	R	
	0	1	WT	G	E	1	NO	BHA	
Size:	311mm	IADC#	117	<b>Nozzles</b>		<b>Drilled over last 24 hrs</b>		<b>Calculated over Bit Run</b>	
Mfr:	SMITH	WOB(avg)	13.02mt	No.	Size	Progress		Cum. Progress	
Type:	Rock	RPM(avg)	117	1	16/32nd"	On Bottom Hrs		Cum. On Btm Hrs	
Serial No.:	MZ9473	F.Rate	3248lpm	3	20/32nd"	IADC Drill Hrs		Cum IADC Drill Hrs	
Bit Model	XR+ VCPS	SPP	12169kPa			Total Revs		Cum Total Revs	
Depth In	1611.0m	TFA	1.117			ROP(avg)		ROP(avg)	
Depth Out	1708.0m					N/A		1.58 m/hr	

**BHA # 6**

Weight(Wet)	19.05mt	Length	211.3m	Torque(max)	12.2Nm	D.C. (1) Ann Velocity	74.48mpm
Wt Below Jar(Wet)	15.88mt	String		Torque(Off.Btm)	0.0Nm	D.C. (2) Ann Velocity	0mpm
		Pick-Up		Torque(On.Btm)	10.9Nm	H.W.D.P. Ann Velocity	62.4mpm
		Slack-Off				D.P. Ann Velocity	51.25mpm
BHA Run Description	Directional / FEWD						

Equipment	Length	OD	ID	Serial #	Comment
Bit	0.33m	311mm		MZ9473	
Powerdrive 900	8.62m	308mm	127mm	016	Blank float installed. Xceed survey = 5.10m from the bit.
ARC-8	5.90m	231mm	76mm	1871	
In-Line Stabiliser	0.83m	291mm	111mm	ASQ8062	Resistivity & Gama = 11.36m from the bit.
Telescope HF	8.15m	213mm	76mm	E0005	
NMDC	9.37m	226mm	71mm	SBD4466	
NMDC	8.55m	213mm	71mm	N688	Powerpulse survey = 19.25m from the bit.
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	42	39	0	76.0	
Gel	mT	0	0	0	33.0	
Cement	mT	0	0	0	0.0	
Fuel	m3	0	21.3	0	421.0	
Potable Water	m3	30	26	0	374.0	
Drill Water	m3	0	35	0	535.0	

### Personnel On Board

Company	Comment	Pax
Santos		4
DOGC		46
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
Other		4
<b>Total</b>		<b>97</b>

### Casing

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

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	14 Sep 2008	2 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	13 Days	Rig visit by DPI. Conducted an environmental audit on Santos operation.
Fire Drill	1	14 Sep 2008	2 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	10 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	16 Sep 2008	0 Days	Drill crew - 11 Deck Crew - 12 Mech - 4
Lost Time Incident	1	30 May 2008	109 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	34 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	16 Sep 2008	0 Days	Discussed upcoming operations and associated hazards prior to each shift starting.
PTW Issued	10	16 Sep 2008	0 Days	7 x hot work permits 3 x cold work permits
Safety Audit	1	30 Jul 2008	48 Days	EHSMS audit conducted onboard.
Safety Meeting	3	14 Sep 2008	2 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	16 Sep 2008	0 Days	Inducted new personnell to site after DODI rig wide induction.
Stop Observations	93	16 Sep 2008	0 Days	61 - Safe 32- Corrective Actions
STOP Tour	11	14 Sep 2008	2 Days	Submitted Diamond supervisor audits.

Shakers, Volumes and Losses Data				Engineer : Kellie Jericho / Fius Siregar			
Available	339.3m <sup>3</sup>	Losses	17.8m <sup>3</sup>	Equip.	Descr.	Mesh Size	Hours
Active	85.1m <sup>3</sup>	Downhole	8.4m <sup>3</sup>	Centrifuge 1	MI SW FVS 518		6
Mixing		Surf+ Equip	8.6m <sup>3</sup>	Centrifuge 1	MI SW FVS 518		1
Hole	134.2m <sup>3</sup>	Dumped		Centrifuge 2	MI SW FVS 518		
Slug	0.0m <sup>3</sup>	De-Sander		Shaker 3	MI SW - BEM 650	10/20 230/200 x 4	24
Reserve	59.6m <sup>3</sup>	De-Silter		Shaker 3	MI SW - BEM 650	10/20 230/200 x 4	16
Kill	0.0m <sup>3</sup>	Centrifuge	0.8m <sup>3</sup>	Shaker 4	MI SW - BEM 650	40/30 270/230 x4	24
Storage	60.4m <sup>3</sup>			Shaker 4	MI SW - BEM 650	40/30 270/230 x4	16
				Shaker 5	MI SW - BEM 650	40/30 270/230 x 4	24
				Shaker 5	MI SW - BEM 650	40/30 270/230 x 4	16
				Shaker 6	MI SW - BEM 650	10/20 230/200 x 4	24
				Shaker 6	MI SW - BEM 650	10/20 230/200 x 4	16

Marine										
Weather check on 16 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	19km/h	270.0deg	1026.00bar	10.0C°	0.2m	270.0deg	3sec	1	1353.0	120.20
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments		2	1372.8	121.11
0.5deg	0.3deg	0.80m	3.0m	225.0deg	12sec			3	1386.8	123.83
Rig Dir.	Ris. Tension	VDL	Comments					4	1414.0	125.19
217.0deg	122.47mt	945.29mt						5	1365.8	132.00
								6	1389.9	130.18
								7	1393.9	126.10
								8	1389.9	128.82

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip		20:00 hrs 14/09/08	ETA Ocean Patriot 04:45 hrs on the 17th Sep.	Item	Unit	Quantity
				Fuel	m3	468
				Potable Water	m3	430
				Drill Water	m3	530
				Gel	mt	59
				Cement	mt	45.5
				Barite	mt	42
				KCl Brine	m3	9
				NaCl Brine	m3	0
					m3	117
Nor Captain	20:00 hrs 14/09/08		Ocean Patriot Standby. To be released to Portland, 05:00 hrs, 17/09/08	Item	Unit	Quantity
				Fuel	m3	416
				Potable Water	m3	234
				Drill Water	m3	393
				Gel	mt	42
				Cement	mt	0
				Barite	mt	42
				KCl Brine	m3	0
				NaCl Brine	m3	0
				Mud	m3	139

Helicopter Movement					
Flight #	Time	Destination	Comment	Pax	
BYV	11:45	Ocean Patriot		13	
BYV	11:57	Essendon		15	