

From : Peter Devine / Rohan Richardson
OIM : Rod Dotson

Well Data

Country	Australia	Measured Depth	1050.0m	Current Hole Size	311mm	AFE Cost	\$41,512,831
Field		TVD	1050.0m	Casing OD	346mm	AFE No.	5746043
Drill Contractor	DOGC	Progress	0.0m	Shoe MD	652.0m	Daily Cost	\$39,739,975
Rig	Ocean Patriot	Days from spud	39.87	Shoe TVD	652.0m	Cum Cost	\$39,739,975
Water Depth (LAT)	66.3m	Days on well	0.88	F.I.T. / L.O.T.	2.20sg / 2.20sg	Planned TD	2552.0m
RT-SL(LAT)	21.5m	Current Op @ 0600 Continue to make up new BHA and RIH.					
RT-ML	87.8m	Planned Op RIH to 1050 m and drill ahead 311 mm (12 1/4") intermediate hole.					
Rig Heading	217.0deg						

Summary of Period 0000 to 2400 Hrs

Kicked off pilot hole and drilled ahead 244 mm (12 1/4") sidetrack to 1050 m. POOH due to poor ROP and changed out BHA.

Operations For Period 0000 Hrs to 2400 Hrs on 03 Oct 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	TP (SCS)	DA	0300	1730	14.50	1050.0m	Commenced Henry-2DW1ST1 at 03:00 hrs. Drilled ahead with BHA#9 311 mm (12 1/4") Powerdrive Xceed assembly and Bit#9 Reed T11C (115) bit from 847 m to 1050 m, back reamed each stand at connection and took MWD surveys. ROP decreased to 6-10 m/hr from 1000 m to 1050 m. POOH based on low ROP.
IC	TP (SCS)	TO	1730	1930	2.00	1050.0m	Flow checked well and POOH from 1049 m to 817 m. Pumped 3.8 m3 (20 bbl) of 1.4 sg (12 ppg) slug and displaced into drill pipe.
IC	TP (SCS)	TO	1930	2030	1.00	1050.0m	Continued to POOH from 817 m to 212 m, flow checking at shoe and top of BHA.
IC	TP (SCS)	HBHA	2030	2300	2.50	1050.0m	POOH BHA from 212 m, racked back HWDP, NMDC and LWD tools, laid out DD tool. Note: Downloaded LWD tools at rotary and reprogrammed same for new assembly.
IC	TP (SCS)	HBHA	2300	2400	1.00	1050.0m	Commenced picking up new BHA from catwalk.

Operations For Period 0000 Hrs to 0600 Hrs on 04 Oct 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	TP (SCS)	HBHA	0000	0330	3.50	1050.0m	Continued to pick up and make BHA#10 311 mm (12 1/4") Powerdrive X5 assembly with Bit#10 ReedHycalog RSX616M-A16 PDC bit, RIH to 93 m. Powerdrive X5 directional tool was hot shot to rig and required special make up on drill floor due to being delivered in separate segments. Reprogrammed LWD/MWD assembly for new DD tools.
IC	TU (MIS)	OA	0330	0430	1.00	1050.0m	Attempted to pass swage at 93 m, unsuccessful. Continued to vary parameters, attempted to work past with left hand rotation and engaged DD tool pads, unable to pass obstruction. POOH to change assembly, hung up on wellhead. Passed wellhead after 5 min with slight rotation and low flow rate.
IC	TU (MIS)	HBHA	0430	0530	1.00	1050.0m	POOH to change bit.
IC	TU (MIS)	HBHA	0530	0600	0.50	1050.0m	(IN PROGRESS) Made up BHA#11 with Bit#11 Reed T11C (115) rock bit and RIH to 93 m.

WBM Data

Cost Today \$ 23144

Mud Type:	KCL/GLY	API FL:	4cm ³ /30m	KCl:	11%	Solids:	7.65	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:		Hard/Ca:	520	H2O:	92%	PV:	0.029Pa/s
Time:	21:30	HTHP-FL:		MBT:	5.6	Oil:		YP:	0.230MPa
Weight:	1.25sg	HTHP-Cake:	1mm	PM:	0.2	Sand:	0.9	Gels 10s:	0.053
Temp:				PF:	0.15	pH:	1	Gels 10m:	0.110
						PHPA:	2ppb	Fann 003:	10
								Fann 006:	14
								Fann 100:	45
								Fann 200:	63
								Fann 300:	77
								Fann 600:	106

Comment Bled in premix as required to maintain active volume. Commenced 5 ppb treatment of omnicarb20 at 850 m and maintained additions to active of 6 scks per stand while drilling ahead. Added drispac, KCL and PHPA to active.

Bit # 9				Wear	I	O1	D	L	B	G	O2	R
					0	1	WT	G	E	1	NO	PR
Size:	311mm	IADC#	115	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	REED	WOB(avg)	8.62mt	No.	Size	Progress	0.0m	Cum. Progress		0.0m		
Type:	Rock	RPM(avg)	129	3	20/32nd"	On Bottom Hrs	0.00h	Cum. On Btm Hrs		0.00h		
Serial No.:	CL4832	F.Rate	3441lpm			IADC Drill Hrs	0.00h	Cum IADC Drill Hrs		0.00h		
Bit Model	T11C	SPP	16678kPa			Total Revs		Cum Total Revs		0		
Depth In	802.0m	TFA	0.920			ROP(avg)	N/A	ROP(avg)		0.00 m/hr		
Depth Out	1050.0m											

BHA # 9								
Weight(Wet)	19.05mt	Length	212.0m	Torque(max)	D.C. (1) Ann Velocity			78.9mpm
Wt Below Jar(Wet)	17.24mt	String	95.25mt	Torque(Off.Btm)	D.C. (2) Ann Velocity			0mpm
		Pick-Up		Torque(On.Btm)	H.W.D.P. Ann Velocity			66.1mpm
		Slack-Off			D.P. Ann Velocity			54.3mpm

BHA Run Description		Directional / FEWD					
Equipment	Length	OD	ID	Serial #	Comment		
Bit	0.33m	311mm		CL4832	T11C rock bit		
Powerdrive 900	8.66m	308mm	127mm	090	Exceed		
ARC-8	5.87m	231mm	76mm	1854			
In-Line Stabiliser	0.88m	291mm	111mm	242230733			
Telescope HF	8.13m	213mm	76mm	E1158			
NMDC	9.37m	226mm	71mm	SBD4466			
NMDC	8.55m	213mm	71mm	N688			
X/O	0.70m	203mm	67mm	ASQ8065			
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
878.21	6.3	127.7	877.92	5.07	1.58	-4.39	3.36	MWD
909.59	7.8	131.9	909.06	8.87	1.52	-6.88	6.33	MWD
937.25	10.0	134.3	936.38	13.03	2.42	-9.82	9.46	MWD
965.21	13.0	131.4	963.78	18.46	3.23	-13.61	13.56	MWD
996.53	15.3	121.5	994.15	26.03	3.19	-18.09	19.73	MWD
1050.00	15.4	123.2	1045.71	40.15	0.26	-25.66	31.68	MWD

Bulk Stocks							
Name	Unit	In	Used	Adjust	Balance	Comment	
Barite	mT	0	7	188	181.0		
Gel	mT	0	0	33	33.0		
Cement	mT	0	0	46	46.0		
Fuel	m3	0	21.6	555.3	533.7		
Potable Water	m3	32	25	336	343.0		
Drill Water	m3	0	34	674	640.0		

Personnel On Board		
Company	Comment	Pax
Santos		4
DOGC		50
ESS		8
BHI		6
Dowell		2
Rheochem		2
MI Swaco		1
TMT		6
Cameron		1
Santos	Geologist	2
Schlumberger Drilling & Measurements	Directional	6
Premium Casing Services		6
Total		94

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	28 Sep 2008	5 Days	Abandon drill completed after the simulated fire drill under control. Alarm sounded at 10:31 hrs, initial muster completed at 10:41 hrs, full muster completed at 10:49 hrs.
Environmental Audit	1	03 Sep 2008	30 Days	Rig visit by DPI. Conducted an environmental audit on Santos operation.
Fire Drill	1	28 Sep 2008	5 Days	Simulated a fire in the emergency generator room. Alarm sounded at 10:31 hrs, emergency under control at 10:42 hrs. Rescue and fire teams discussed scenario and resolution.
First Aid	1	01 Oct 2008	2 Days	IP struck on upper lip when removing float valve from float sub.
JHA	40	03 Oct 2008	0 Days	Drill crew - 13 Deck Crew - 14 Welder - 5 Mechanic - 8
Lost Time Incident	1	30 May 2008	126 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	51 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	03 Oct 2008	0 Days	Discussed upcoming operations and associated hazards prior to each shift starting.
PTW Issued	15	03 Oct 2008	0 Days	8 x hot work 7 x cold work
Safety Audit	1	29 Jul 2008	66 Days	Santos environment audit conducted.
Safety Audit	1	30 Jul 2008	65 Days	EHSMS audit conducted onboard.
Safety Meeting	3	29 Sep 2008	4 Days	Reviewed stop cards for the week and awarded Santos Stop card winner to B Parker. Discussed the fire drill and the scenario of a fire in the emergency engine room. Reviewed abandon rig scenario.
Santos Induction	1	03 Oct 2008	0 Days	Inducted new personnel to site after DODI rig wide induction.
Stop Observations	50	03 Oct 2008	0 Days	29 - Safe 21 - Corrective Actions
STOP Tour	8	03 Oct 2008	0 Days	Submitted 8 by Diamond supervisor Stop audit.

Shakers, Volumes and Losses Data				Engineer : Kellie Jericho / Carissa Thompson			
Available	372.0m ³	Losses	46.4m ³	Equip.	Descr.	Mesh Size	Hours
Active	81.6m ³	Downhole	8.3m ³	Centrifuge 1	MI SW FVS 518		3
Mixing		Surf+ Equip	30.8m ³	Centrifuge 2	MI SW FVS 518		
Hole	92.1m ³	Dumped	4.8m ³	Shaker 3	MI SW - BEM 650	30/10 270/200	20
Slug	0.0m ³	De-Sander		Shaker 4	MI SW - BEM 650	30/10 200HC x 4	20
Reserve	155.2m ³	De-Silter		Shaker 5	MI SW - BEM 650	30/10 200HC x 4	20
Kill	0.0m ³	Centrifuge	2.5m ³	Shaker 6	MI SW - BEM 650	30/10 270/200	20
Storage	43.1m ³						

Marine										
Weather check on 03 Oct 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)
22.2km	22km/h	225.0deg	1017.00bar	12.0C°	0.5m	225.0deg	3sec	1	1353.0	99.79
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments		2	1372.8	96.16
0.4deg	0.4deg	0.50m	2.0m	248.0deg	12sec			3	1386.8	97.98
Rig Dir.	Ris. Tension	VDL	Comments					4	1414.0	125.19
217.0deg	122.47mt	1064.58mt						5	1365.8	110.22
								6	1389.9	104.78
								7	1393.9	135.17
								8	1389.9	99.79

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip		23:00 hrs 02/10/08	Portland	Item	Unit	Quantity
				Fuel	m3	369
				Potable Water	m3	282
				Drill Water	m3	740
				Gel	mt	59
				Cement	mt	84
				Barite	mt	42
				KCl Brine	m3	9
				NaCl Brine	m3	0
				Mud	m3	131
Nor Captain	23:00 hrs 01/10/08		Standby Ocean Patriot	Item	Unit	Quantity
				Fuel	m3	482.1
				Potable Water	m3	345
				Drill Water	m3	319
				Gel	mt	42
				Cement	mt	0
				Barite	mt	42
				KCl Brine	m3	41.8
				NaCl Brine	m3	0
				Mud	m3	104

Helicopter Movement					
Flight #	Time	Destination	Comment	Pax	
BYV	11:17	Essendon		7	
BYV	11:25	Ocean Patriot		1	