

From : Bryan Webb / Willie McKay
OIM : Rod Dotson

Well Data

Country	Australia	Measured Depth	2037.0m	Current Hole Size	311mm	AFE Cost	\$41,512,831
Field		TVD	1708.9m	Casing OD	346mm	AFE No.	5746043
Drill Contractor	DOGC	Progress	0.0m	Shoe MD	652.0m	Daily Cost	\$787,739
Rig	Ocean Patriot	Days from spud	45.87	Shoe TVD	652.0m	Cum Cost	\$44,547,456
Water Depth (LAT)	66.3m	Days on well	6.88	F.I.T. / L.O.T.	2.20sg / 2.20sg	Planned TD	2552.0m
RT-SL(LAT)	21.5m	Current Op @ 0600 Circulating bottoms up at 1,633 m with the following parameters: Flow Rate:3,406 l/min, (900 gpm). Torque: 6.8 kNm, (5 kft-lbs). SPP: 24.1 MPa, (3,500 psi) RPM: 190.					
RT-ML	87.8m	Planned Op Cont POOH and rack back 311 mm (12 1/4") BHA. Make up casing hanger assembly and rack back in derrick. Retrieve wear bushing. Rig up casing running equipment. Make shoe track, check floats and rig up fill up tool. Commence running 245 mm (9.5/8") casing.					
Rig Heading	217.0deg						

Summary of Period 0000 to 2400 Hrs

Washed and reamed 311 mm (12 1/4" BHA from 1,578 m to 2,050 m.
 Circulated the well clean racking 1 stand back every 40 minutes to 1,989 m.
 Back reamed out of the hole from 1,989 m to 1,827 m.
 POOH from 1,827 m to 1,784 m.
 Back reamed out of hole from 1,784 m to 1,626 m.
 RIH from 1,626 m to 2,050 m with no hole problems being observed.
 Pulled back 1 stand to observe hole condition. No associated hole problems.
 Circulated drilling fluid and weighed up from 1.38 SG, (11.5 ppg) to 1.44 SG, (12.0 ppg). Displaced choke, kill and riser boost lines with weighted mud.

Formations

Name	Top (MD)	Top (TVD)	Comment
Massacre Shale	1201.0m	1189.5m	0.4 L
Timboon	1214.5m	1202.4m	0.2 L
Paaratte	1413.0m	1380.0m	2.3 H
Skull Creek	1665.0m	1558.6m	5.4 H

Operations For Period 0000 Hrs to 2400 Hrs on 09 Oct 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	U (SCS)	TI	0000	0030	0.50	2050.0m	Continued running in hole with the 311 mm (12 1/4") BHA from 1,366 m to 1,578 m.
IC	U (SCS)	RW	0030	1000	9.50	2050.0m	BHA hung up at 1,578 m. Made up TDS and wash/reamed from 1,578 m to 2,050 m with the following average parameters: Flow Rate: 3,406 l/min, (900 gpm). SPP:23.4 MPa (3,400 psi). Torque: 6 kNm (4.4 kft-lbs). Down Weight: 7.6 kdaN, (17 klbs). RPM:160. Tight spots encountered at 1,578 m, 1,645 m, 1,825 m, 1,904 m, 1,965 m and 2,025 m. Pumped a 4.8 m3, (30 bbl) 1.6 sg, 13.5 ppg sweep with minimal increase in cuttings observed.
IC	U (SCS)	CHC	1000	1200	2.00	2050.0m	Circulated well with the following parameters racking 1 stand back every 40 minutes: 3,671 l/min, (970 gpm). 195 RPM.
IC	U (SCS)	RW	1200	1700	5.00	2050.0m	Back reamed out of the hole from 1,989 m to 1,827 m with 3,671 l/min, (970 gpm) and 195 RPM.
IC	U (SCS)	TO	1700	1730	0.50	2050.0m	POOH from 1,827 m to 1,784 m.
IC	U (SCS)	RW	1730	2000	2.50	2050.0m	Back reamed out of hole from 1,784 m to 1,626 m with 3,671 l/min, (970 gpm) and 195 RPM.
IC	U (SCS)	TI	2000	2100	1.00	2050.0m	RIH from 1,626 m to 2,050 m. No hole problems observed.
IC	U (SCS)	TO	2100	2130	0.50	2050.0m	Pulled back 1 stand to observe hole condition. No associated hole problems.
IC	U (SCS)	CMD	2130	2400	2.50	2050.0m	Circulated drilling fluid and weighed up from 1.38 SG, (11.5 ppg) to 1.44 SG, (12.0 ppg). SIMOPS: Displaced choke, kill and riser boost line and standpipe manifold with new mud weight.

Operations For Period 0000 Hrs to 0600 Hrs on 10 Oct 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	U (SCS)	TO	0000	0030	0.50	2050.0m	Pulled 5 stands with no overpull encountered.
IC	U (SCS)	TI	0030	0100	0.50	2050.0m	Ran 5 stands back to bottom without any problems.
IC	U (SCS)	CMD	0100	0345	2.75	2050.0m	Added 40 drums of Starglide to circulating system to achieve a concentration of 2.0 ppb
IC	U (SCS)	TO	0345	0530	1.75	2050.0m	POOH from 2,050 m to 1,633 m. No hole problems observed.
IC	U (SCS)	WTH	0530	0600	0.50	2050.0m	Observed 44.5 kdaN,(100 klbs) drag at 1,633 m over string weight. Made up top drive and established circulation. No signs of pack off. Jarred string down to free, rotated and reciprocated string while circulating. Worked stand fully, no indications of any cuttings at shale shakers on bottoms up. Continued to ream stand and work through to 1,625 m.

WBM Data		Cost Today \$ 15846							
Mud Type:	KCL/GLY	API FL:	3cm³/30m	KCl:	11%	Solids:	14.64	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:	1mm	Hard/Ca:	720	H2O:	85%	PV:	0.032Pa/s
Time:	22:00	HTHP-FL:		MBT:	7.5	Oil:		YP:	0.187MPa
Weight:	1.44sg	HTHP-Cake:		PM:	0.1	Sand:	0.75	Gels 10s:	0.048
Temp:	62.2C°			PF:	0.02	pH:	8.7	Gels 10m:	0.101
						PHPA:	1ppb	Fann 003:	8
								Fann 006:	11
								Fann 100:	40
								Fann 200:	57
								Fann 300:	71
								Fann 600:	103
Comment	Bled low viscosity premix in to active to maintain volume as required an to reduce the rheology profile. Ran bothcentrifuges as required to control the mud weight and reduce the LGS level. Discharged 10 bbl 16.5ppg heavy weight slug to build 13.4 ppg Heavy weight sweep. Received 41 mt of Barite from Nor Captain. Pumped 35 bbl of weighted sweep (13.4ppg). Discharged 35 bbl from slug pit. Added 1 bbl/hr drill water to active to compensate for evaporation losses increase while reaming. Other losses on report equates to evaporation.								

Bit # 12			Wear	I	O1	D	L	B	G	O2	R	
Size:	311mm	IADC#	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run				
Mfr:	SMITH	WOB(avg)	No.	Size	Progress	0.0m	Cum. Progress	1000.0m				
Type:	PDC	RPM(avg)	2	16/32nd"	On Bottom Hrs	0.00h	Cum. On Btm Hrs	65.58h				
Serial No.:	JX7062	F.Rate	3	18/32nd"	IADC Drill Hrs	0.00h	Cum IADC Drill Hrs	76.04h				
Bit Model	MD519BPX	SPP			Total Revs		Cum Total Revs	0				
Depth In	1050.0m	TFA			ROP(avg)	N/A	ROP(avg)	15.25 m/hr				
Depth Out	2050.0m											
Daily Comment	No recordable data from mud loggers today.											

BHA # 16							
Weight(Wet)	19.05mt	Length	212.0m	Torque(max)	16320.0Nm	D.C. (1) Ann Velocity	79.86mpm
Wt Below Jar(Wet)	17.24mt	String	106.59mt	Torque(Off.Btm)	6120.0Nm	D.C. (2) Ann Velocity	0mpm
		Pick-Up	108.86mt	Torque(On.Btm)	11424.0Nm	H.W.D.P. Ann Velocity	66.9mpm
		Slack-Off	95.25mt			D.P. Ann Velocity	54.96mpm
BHA Run Description	Directional / FEWD						

Equipment	Length	OD	ID	Serial #	Comment
Bit	0.30m	311mm		JX7062	Smith MDi519
Powerdrive 900	9.05m	308mm	127mm	090	X5 assy (float, receiver sub and flex sub)
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				

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance	Comment
Barite	mT	41	7	0	94.0	Used and extra +/- 22.0 mt to weigh circulating system up but tanks already dipped. True figures will be shown tomorrow.
Gel	mT	0	0	0	31.0	
Cement	mT	0	0	0	46.0	
Fuel	m3	0	15.2	0	437.3	
Potable Water	m3	0	26	0	343.0	
Drill Water	m3	33	85	0	537.0	

Personnel On Board

Company	Comment	Pax
Santos		4
DOGC		52
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		96

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	05 Oct 2008	4 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	36 Days	Rig visit by DPI. Conducted an environmental audit on Santos operation.
Fire Drill	1	05 Oct 2008	4 Days	Simulated a fire in the cement unit room. Alarm sounded at 10:31 hrs, emergency under control at 10:41 hrs. Rescue and fire teams discussed scenario and resolution.
First Aid	1	09 Oct 2008	0 Days	IP turned his left foot while entering the shaker house.
JHA	31	09 Oct 2008	0 Days	Drill crew - 6 Deck Crew - 14 Welder - 6 Mechanic - 4 Electrician - 7
Lost Time Incident	1	30 May 2008	132 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	57 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	09 Oct 2008	0 Days	Discussed the next 24 hr operation. Rigging up to run casing. Good hand overs to be conducted. Good STOP card participation. Conditioning mud. Crew on last tour to remain focussed so they can go home in the same state as when they arrived on the rig.
PTW Issued	8	08 Oct 2008	1 Day	5 x hot work 3 x cold work
Safety Audit	1	29 Jul 2008	72 Days	Santos environment audit conducted.
Safety Audit	1	30 Jul 2008	71 Days	EHSMS audit conducted onboard.
Safety Meeting	3	05 Oct 2008	4 Days	Reviewed stop cards for the week and awarded Santos Stop card winner to Hayden S, PCS. Discussed the fire drill and the scenario of a fire in the cement unit room. Reviewed abandon rig scenario. Discussed fire systems on rig.
Santos Induction	3	08 Oct 2008	1 Day	Inducted new personnel to site after DODI rig wide induction.
Stop Observations	43	09 Oct 2008	0 Days	26 - Safe 17 - Corrective Actions
STOP Tour	5	04 Oct 2008	5 Days	Submitted 5 by Diamond supervisor Stop audit.

Shakers, Volumes and Losses Data				Engineer : Julian Chapman / Carissa Thompson			
Available	371.7m ³	Losses	46.9m ³	Equip.	Descr.	Mesh Size	Hours
Active	94.6m ³	Downhole		Centrifuge 1	MI SW FVS 518		5
Mixing		Surf+ Equip	27.1m ³	Centrifuge 1	MI SW FVS 518		3
Hole	157.6m ³	Dumped	7.2m ³	Centrifuge 2	MI SW FVS 518		2
Slug	0.0m ³	De-Sander		Centrifuge 2	MI SW FVS 518		7
Reserve	90.9m ³	De-Silter		Shaker 3	MI SW - BEM 650	40/20 230 HC x 4	22
Kill	0.0m ³	Centrifuge	12.6m ³	Shaker 3	MI SW - BEM 650	40/20 230 HC x 4	24
Storage	28.6m ³	Tripping		Shaker 4	MI SW - BEM 650	30/20 200 HC x 4	22
				Shaker 4	MI SW - BEM 650	30/20 200 HC x 4	24
				Shaker 5	MI SW - BEM 650	30/20 200 HC x 4	22
				Shaker 5	MI SW - BEM 650	30/20 200 HC x 4	24
				Shaker 6	MI SW - BEM 650	40/20 165 HC x 4	22
				Shaker 6	MI SW - BEM 650	40/20 165 HC x 4	24

Marine								Rig Support		
Weather check on 09 Oct 2008 at 24:00										
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Chain out (m)	Tension (mt)
22.2km	17km/h	248.0deg	1029.00bar	13.0C°	2.0m	290.0deg	3sec	1	1353.0	127.91
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments				
0.3deg	0.3deg	0.50m	3.0m	225.0deg	12sec					
Rig Dir.	Ris. Tension	VDL		Comments				2	1372.8	132.90
217.0deg	110.22mt	1006.98mt						3	1386.8	128.82
								4	1414.0	127.91
								5	1365.8	122.92
								6	1389.9	131.09
								7	1393.9	141.07
								8	1389.9	106.14

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip		21:05 hrs 07/10/03	In Portland.	Item	Unit	Quantity
				Fuel	m3	521
				Potable Water	m3	228
				Drill Water	m3	615
				Gel	mt	59
				Cement	mt	84
				Barite	mt	41
				KCl Brine	m3	9
				NaCl Brine	m3	0
				Mud	m3	131
Nor Captain	18:45 hrs 07/10/08		Running Standby. Transferred 42.0 mt of Barite to rig.	Item	Unit	Quantity
				Fuel	m3	429.4
				Potable Water	m3	363
				Drill Water	m3	319
				Gel	mt	42
				Cement	mt	0
				Barite	mt	0
				KCl Brine	m3	0
				NaCl Brine	m3	0
				Mud	m3	104

Helicopter Movement				
Flight #	Time	Destination	Comment	Pax
BYV	11:12	Essendon		14
BYV	11:26	Ocean Patriot		15