

From : Chris Roots / Willie McKay
OIM : Rod Dotson

Well Data

Country	Australia	Measured Depth	2648.0m	Current Hole Size	216mm	AFE Cost	\$41,512,831
Field		TVD	1724.7m	Casing OD	244mm	AFE No.	5746043
Drill Contractor	DOGC	Progress	200.0m	Shoe MD	2042.7m	Daily Cost	\$792,050
Rig	Ocean Patriot	Days from spud	52.87	Shoe TVD	1709.9m	Cum Cost	\$51,072,565
Water Depth (LAT)	66.3m	Days on well	13.88	F.I.T. / L.O.T.	/	Planned TD	2627.0m
RT-SL(LAT)	21.5m	Current Op @ 0600 Cleaning out master bushings and diverter housing.					
RT-ML	87.8m	Planned Op					
Rig Heading	217.0deg	SIMOPS: Functioned BOP rams to remove any debris lodged in cavities. Install master bushings. Pick up scraper/clean out assembly from deck and make up . RIH and conduct scraper/clean out run as directed. POOH with clean out assembly. Rig up to run lower completion.					

Summary of Period 0000 to 2400 Hrs

Continued drilling 216 mm (8 1/2") hole from 2,448 m to 2,648 m taking surveys as required.
 Circulated hole clean and POOH from 2,648 m to 1,999 m.
 RIH from 1,999 m to 2,648 m.
 Circulated 2 x bottoms up while Weatherford sampled DIF to ensure that it meets the correct criteria for leaving in the open hole section.
 POOH from 2,648 m to 1,999 m at midnight.

Formations

Name	Top (MD)	Top (TVD)	Comment
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
Waarre A	2040.0m	1709.5m	5.0 H

Operations For Period 0000 Hrs to 2400 Hrs on 16 Oct 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PH	P	DA	0000	0600	6.00	2521.0m	Continued drilling 311 mm (12 1/4") hole from 2,448 m to 2,521 m with the following parameters: Flow Rate: 2,631 l/min, (695 gpm) SPP: 17.9 MPa, (2,600 psi). WOB: 10.2 mt, (23 klbs). Torque: 16.3 kNm, (12 kft-lbs). RPM: 155 Average ROP including connections: 12.16 m/hr.
PH	P	DA	0600	1000	4.00	2633.0m	Continued drilling 311 mm (12 1/4") hole from 2,521 m to 2,633 m with the following parameters: Flow Rate: 2,650 l/min, (700 gpm) SPP: 18.9 MPa, (2,740 psi). WOB: 10.2 mt, (23 klbs). Torque: 16.3 kNm, (10 kft-lbs). RPM: 150 Average ROP including connections: 28 m/hr.
PH	P	CS	1000	1100	1.00	2633.0m	Racked back 1 stand of 127 mm, (5") drill pipe and circulated bottoms up with 2,589 l/min, (684 gpm) and 19.3 MPa, (2,800 psi) for cuttings sample as requested by Geologist.
PH	P	DA	1100	1130	0.50	2648.0m	Continued drilling 216 mm (8 1/2") hole from 2,633 m to 2,648 m backreaming each stand and taking surveys as required with the following parameters: Flow Rate: 2,650 l/min, (700 gpm) SPP: 18.9 MPa, (2,740 psi). WOB: 10.2 mt, (23 klbs). Torque: 16.3 kNm, (10 kft-lbs). RPM: 150 Average ROP including connections: 30 m/hr.
PH	P	CS	1130	1200	0.50	2648.0m	Circulated bottoms up with 2,589 l/min, (684 gpm) and 19.3 MPa, (2,800 psi) for cuttings sample as requested by Geologist.
PH	P	CHC	1200	1430	2.50	2648.0m	Circulated hole clean with the following parameters: Flow Rate: 2,596 l/min, (684 gpm) SPP: 18.3 MPa, (2,650 psi). Torque: 13.6 kNm, (10 kft-lbs). RPM: 148
PH	P	TO	1430	1800	3.50	2648.0m	Conducted flow check, well static. POOH from 2,648 m to 1,999 m. At 2,560 m (15:20 hrs) 40 mt, (30 klbs) increased overpull was observed. Rotated without pumps and broke free with 27.1 kNm,(20 kft-lbs) torque.

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PH	P	FC	1800	1815	0.25	2648.0m	Conducted flow check, well static.
PH	P	TI	1815	2000	1.75	2648.0m	RIH from 1,999 m to 2,648 m with no hole problems encountered.
PH	P	CHC	2000	2115	1.25	2648.0m	Circulated 2 x bottoms up with 325 mesh screens installed on the shale shakers. Circulating parameters were as follows: Flow Rate: 2,596 l/min, (686 gpm) SPP: 18.3 MPa, (2,650 psi). Torque: 13.6 kNm, (10 kft-lbs). RPM: 148
							SIMOPS: Weatherford engineer conducted tests on DIF to ensure that the fluid will pass through sand screens.
PH	P	FC	2115	2130	0.25	2648.0m	Conducted flow check, well static.
PH	P	TO	2130	2400	2.50	2648.0m	POOH wet from 2,648 m to 1,999 m.
							DAILY SIMOPS: Strapped scraper clean out assembly and moved to cat walk. Commenced rigging down Anadrill equipment from rig floor. Commenced de-commissioning Swaco centrifuges for transport back to town. Spotted umbilical reels. Commenced pit cleaning prior to taking of Na Cl brine. Spotted filtration units in sack room. Prepared excess Rheochem chemicals for backload.

Operations For Period 0000 Hrs to 0600 Hrs on 17 Oct 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PH	P	TO	0000	0300	3.00	2648.0m	Continued POOH with 216 mm (8 1/2") BHA from 1,999 m to 182 m.
PH	P	HBHA	0300	0445	1.75	2648.0m	Broke off and racked back 4 stands of 127 mm (5") HWDP and 1 stand with jars.
PH	P	HBHA	0445	0545	1.00	2648.0m	Removed source from MWD. Broke down 216 mm (8 1/2") BHA componenets and laid out same.
PH	P	OA	0545	0600	0.25	2648.0m	Pulled master bushings and diverter. Flushed out housing of any debris.
							SIMOPS: Functioned BOP rams to remove any debris lodged in cavities.

WBM Data		Cost Today \$ 4465							
Mud Type:	DIF	API FL:	3cm ³ /30m	KCI:		Solids:	6.67	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:	1mm	Hard/Ca:	400	H2O:	93%	PV:	0.011Pa/s
Time:	14:00	HTHP-FL:		MBT:	1.5	Oil:		YP:	0.148MPa
Weight:	1.20sg	HTHP-Cake:		PM:	0.5	Sand:		Gels 10s:	0.048
Temp:	74.0C°			PF:	0.3	pH:	9.5	Gels 10m:	0.057
						PHPA:		Fann 003:	9
								Fann 006:	11
								Fann 100:	27
								Fann 200:	34
								Fann 300:	42
								Fann 600:	53
Comment	Maintained mud weight with additions of Omnycarb while centrifuging. Discharged 90 bbls of mud from sand traps while drilling ahead.								

Bit # 13				Wear	I	O1	D	L	B	G	O2	R
Size:	216mm	IADC#	M222	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	SMITH	WOB(avg)	8.57mt	No.	Size	Progress	200.0m	Cum. Progress	598.0m			
Type:	PDC	RPM(avg)	148	6	14/32nd"	On Bottom Hrs	7.92h	Cum. On Btm Hrs	22.09h			
Serial No.:	JX3464	F.Rate	2616lpm			IADC Drill Hrs	11.50h	Cum IADC Drill Hrs	33.70h			
Bit Model	MD6616	SPP	18106kPa			Total Revs	70500	Cum Total Revs	189000			
Depth In	2050.0m	TFA	0.902			ROP(avg)	25.25 m/hr	ROP(avg)	27.07 m/hr			
Depth Out												

BHA # 17							
Weight(Wet)	11.79mt	Length	182.5m	Torque(max)	27.2Nm	D.C. (1) Ann Velocity	193.43mpm
Wt Below Jar(Wet)	10.43mt	String	106.59mt	Torque(Off.Btm)	19.0Nm	D.C. (2) Ann Velocity	0mpm
		Pick-Up	108.86mt	Torque(On.Btm)	13.6Nm	H.W.D.P. Ann Velocity	207.19mpm
		Slack-Off	99.79mt			D.P. Ann Velocity	109.25mpm

BHA Run Description
 216 mm (8 1/2") Smith PDC.
 172 mm (6 3/4") XCEED.
 172 mm (6 3/4") Ecoscope.
 175 mm (6 7/8") Telescope.
 172 mm (6 3/4") NMDC x 2.
 127 mm (5") HWDP x 10.
 165 mm (6 1/2") Jars.
 127 mm (5") HWDP x 4.

Equipment	Length	OD	ID	Serial #	Comment
Bit	0.24m	216mm		JX3464	SMITH MD1616
Powerdrive 675	7.65m	171mm	51mm	266	Arc-8 With 8 1/2" Sabilizer
ARC-8	8.03m	171mm	99mm	987	
Telescope	8.36m	175mm	130mm	FA27	
NMDC	18.21m	171mm	97mm	SBD1437 & M36	
HWDP	37.43m	175mm	78mm		
HWDP	93.30m	175mm	78mm		
6.5in Jar	9.30m	164mm	70mm	WO314599	

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
2522.75	94.2	120.7	1734.34	1173.61	1.20	-604.91	1006.53	MWD
2552.16	95.2	121.3	1731.94	1202.90	1.14	-619.99	1031.67	MWD
2580.38	94.9	121.4	1729.46	1230.99	0.32	-634.61	1055.68	MWD
2609.36	93.6	120.7	1727.29	1259.87	1.81	-649.43	1080.49	MWD
2627.28	93.8	119.4	1726.12	1277.75	1.46	-658.32	1096.00	MWD
2648.46	94.1	118.8	1724.66	1298.88	0.93	-668.60	1114.46	PROJECTION

Bulk Stocks							
Name	Unit	In	Used	Adjust	Balance	Comment	
Barite	mT	0	0	0	54.0		
Gel	mT	0	0	0	31.0		
Cement	mT	0	0	0	30.0		
Fuel	m3	0	19.1	0	529.7		
Potable Water	m3	31	20	0	355.0		
Drill Water	m3	0	36	0	830.0		

Personnel On Board		
Company	Comment	Pax
Santos		8
DOGC		46
ESS		8
BHI		6
Dowell		2
Rheochem		2
MI Swaco		2
TMT		6
Cameron		2
Schlumberger Drilling & Measurements		4
Premium Casing Services		4
Weatherford		2
Baker Oil Tools		2
Scotech		2
Expro		1
WFT		1
Total		98

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	12 Oct 2008	4 Days	Abandon drill completed after the simulated fire drill under control. A full muster was achieved in 6 minutes.
Environmental Audit	1	03 Sep 2008	43 Days	Rig visit by DPI. Conducted an environmental audit on Santos operation.
Fire Drill	1	05 Oct 2008	11 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	16 Oct 2008	0 Days	IP reported that his left eye was irritable and itchy. The eye was red presumably with rubbing with hand.
JHA	20	16 Oct 2008	0 Days	Drill crew - 9 Deck Crew - 5 Welder - 3 Mechanic - 2 Electrician - 0 3rd Party - 0 Subsea - 1
Lost Time Incident	1	30 May 2008	139 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	64 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.
Near Miss	1	16 Oct 2008	0 Days	Adjustable wrench fell from open top container while backloading to supply vessel and landed on deck.
Pre-Tour Meeting	6	16 Oct 2008	0 Days	Discussed the next 24 hr operation. Laying out 8 1/2" BHA. Picking up scraper/clean out assembly. Pulling master bushings, diverter and cleaning out cavities.
PTW Issued	12	16 Oct 2008	0 Days	7 x hot work 5 x cold work
Safety Audit	1	29 Jul 2008	79 Days	Santos environment audit conducted.
Safety Audit	1	30 Jul 2008	78 Days	EHSMS audit conducted onboard.
Safety Meeting	3	12 Oct 2008	4 Days	Reviewed stop cards for the week. Discussed the fire drill. The crews were praised for their participation in the STOP card programme.
Santos Induction	3	16 Oct 2008	0 Days	Inducted new personnel to site after DODI rig wide induction.
Stop Observations	65	16 Oct 2008	0 Days	43 - Safe 22 - Corrective Actions
STOP Tour	2	16 Oct 2008	0 Days	Submitted by Diamond supervisor Stop audit.

Shakers, Volumes and Losses Data				Engineer : Julian Chapman / Carissa Thompson			
Available	281.7m ³	Losses	50.2m ³	Equip.	Descr.	Mesh Size	Hours
Active	39.0m ³	Downhole		Centrifuge 1	MI SW FVS 518		
Mixing		Surf+ Equip	14.3m ³	Centrifuge 1	MI SW FVS 518		5
Hole	105.6m ³	Dumped	18.9m ³	Centrifuge 2	MI SW FVS 518		
Slug	0.0m ³	De-Sander		Centrifuge 2	MI SW FVS 518		3
Reserve	3.2m ³	De-Silter		Shaker 3	MI SW - BEM 650	40/20 200 HC x 1	24
Kill	0.0m ³	Centrifuge	15.4m ³	Shaker 3	MI SW - BEM 650	40/20 325 HC x 1	18
Storage	133.9m ³	Tripping	1.6m ³	Shaker 4	MI SW - BEM 650	30/20 200 HC x 1	24
				Shaker 4	MI SW - BEM 650	30/20 325 HC x 1	18
				Shaker 5	MI SW - BEM 650	30/20 200 HC x 1	24
				Shaker 5	MI SW - BEM 650	30/20 325 HC x 1	18
				Shaker 6	MI SW - BEM 650	40/20 165 HC x 1	
				Shaker 6	MI SW - BEM 650	40/20 325 HC x 1	18

Marine								Rig Support		
Weather check on 16 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)
18.5km	13km/h	170.0deg	1026.00bar	14.0C°	0.2m	170.0deg	2sec	1	1353.0	130.18
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments				
0.4deg	0.3deg	0.80m	3.0m	240.0deg	13sec					
Rig Dir.	Ris. Tension	VDL	Comments							
217.0deg	110.22mt	940.75mt								
								8	1389.9	110.22

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip			Standing By.	Item	Unit	Quantity
				Fuel	m3	259
				Potable Water	m3	187
				Drill Water	m3	370
				Gel	mt	59
				Cement	mt	84
				Barite	mt	41
				KCl Brine	bbbl	52
				NaCl Brine	bbbl	0
Nor Captain			Standing By.	Item	Unit	Quantity
				Fuel	m3	515.4
				Potable Water	m3	338
				Drill Water	m3	319
				Gel	mt	42
				Cement	mt	0
				Barite	mt	0
				KCl Brine	bbbl	0
				NaCl Brine	bbbl	800

Helicopter Movement					
Flight #	Time	Destination	Comment	Pax	
BYV	11:09	Essendon		5	
BYV	11:18	Ocean Patriot		5	