

From : Chris Roots / Nathan Peri							
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	0.0m	Shoe MD	2042.7m	Daily Cost	\$883,181
Rig	Ocean Patriot	Days from spud	54.87	Shoe TVD	1709.9m	Cum Cost	\$59,552,905
Water Depth (LAT)	66.3m	Days on well	15.88	F.I.T. / L.O.T.	2.20sg / 2.20sg	Planned TD	2627.0m
RT-SL(LAT)	21.5m	Current Op @ 0600	Circulated the hole to unfiltered 1.19sg (10ppg) brine. Continued mixing more brine to filter and displace the hole.				
RT-ML	87.8m	Planned Op	Circulate the hole to 1.19sg (10ppg) filtered inhibited brine. POH laying out drill pipe sideways. Jet across the wellhead area. Pull the XT Bore Protector, jet across the wellhead area. Pick up and run the upper completion.				
Rig Heading	217.0deg						

Summary of Period 0000 to 2400 Hrs
POH well patroller/casing scraper assembly. Picked up and ran the 168mm (6-5/8") Sand screen and tubing joint assembly c/w SCR-1 Packer on 127mm (5") drill pipe to bottom. Set and tested the Packer assembly. Lined up to circulate to completion brine. Continued mixing/diluting completions brine.

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 18 Oct 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PH	P	HBHA	0000	0115	1.25	2648.0m	Continued POOH with scraper/cleanout BHA, broke down and laid out same. Functioned BOP's to remove debris from cavities. Circulated through the choke and kill lines to displace the slug out of the riser.
PH	P	RCM	0115	0215	1.00	2648.0m	Cleared rig floor and rigged up handling equipment for running lower completion.
PH	P	SM	0215	0230	0.25	2648.0m	Conducted JSA for running lower completion, sand screens and tubing.
PH	P	RIC	0230	0315	0.75	2648.0m	Lifted screen bull nose sub assembly LC01-03 to rig floor. Picked up assembly and set in PCS 6-5/8" DC slips with PCS dog collar. Tailed in first sand screen joint to rig floor.
PH	P	RIC	0315	0600	2.75	2648.0m	Commenced running lower completion as programmed from surface to 255 m, Joint No #23.
PH	P	RIC	0600	1130	5.50	2648.0m	Continued picking up 168mm (6-5/8") WFT Super Flo 24ppf Sand Screen joints (total 50) followed by 26 x 168mm (6-5/8") 24ppf 13Cr Tubing Jts. Concurrent Ops: Started cleaning out the mud pits for brine from the boat. Swung flare booms out, orientated burner heads and reconnected flare lines.
PH	P	RIC	1130	1230	1.00	2648.0m	Picked up and installed the 245mm (9-5/8") SCR-1 packer assembly, SABs circulating sub and 1 x std of 127mm (5") drill pipe.
PH	P	RIC	1230	1900	6.50	2648.0m	TIH sand screen assembly on 127mm (5") drill pipe from 892m to bottom at 2636.87m. Good hole conditions observed. - Sand screens from 2058m to 2636.87m (578.87m) - 168mm (6-5/8") 24ppf tubing joints from 1757m to 2058m (301m) - SCR-1 Packer depth at 1748m
PH	P	RIC	1900	2100	2.00	2648.0m	Dropped the 37mm (1-7/16") setting ball down the drill pipe. Made up the TDS and pressured up the drill pipe to 17.1 MPa (2488psi), held pressure for 5 minutes. bled off pressure. Picked up on the drill pipe and overpulled 13.6 mt (30klbs) above neutral weight, slacked off 13.6 mt (30klbs) below neutral weight. Held down weight and closed the lower annular, lined pumps up down the annulus and pressured up the annulus to 10.3 MPa (1500psi). Bled off pressure to release the SCR-1 running tool.
PH	P	RIC	2100	2130	0.50	2648.0m	Pulled up 22m to ensure the slick stinger was fully out of the MCFLCV Flapper valve. Lined up the cement unit to the drill pipe and pressured up to 25.5 MPa (3700psi) to shear the hydroset adapter. Established circulation through the drill pipe. Concurrent Ops: Transfer 127 m ³ (800bbls) of 1.29sg (10.8ppg) brine from the boat into pits #5 & #2. Continue cleaning out pit#4.
PH	P	RIC	2130	2230	1.00	2648.0m	Spaced out the drill pipe and closed the lower pipe rams. Lined up to the cement unit and pressure tested down the drill pipe against the SCR-1 Packer and MCFLCV flapper to 27.5 MPa (4000psi) for 15 minutes, good test.

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PH	P	RIC	2230	2300	0.50	2648.0m	Broke out the tool joint on surface and dropped the 54mm (2-1/8") SABS closing ball. Made up connection and circulated until ball seated. Pressured up to 5.0 MPa (750psi) to shear close the SABS sleeve. Circulated DIF mud until returns noted in the trip tank.
PH	TP (WOE)	RIC	2300	2400	1.00	2648.0m	Standby waiting on mud pit space to allow brine to be diluted down. Continue cleaning mud pit #4. Mixed up 11 m ³ (70bbbls) Hi-Vis pill in the slug pit. Mixed up 31.8 m ³ (200bbbls) of Dirt Magnet volume in Pit#1.

Operations For Period 0000 Hrs to 0600 Hrs on 19 Oct 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PH	TP (WOE)	RIC	0000	0300	3.00	2648.0m	Standby waiting on pit space to dilute brine. Continued cleaning pit #4.
PH	P	RIC	0300	0330	0.50	2648.0m	Lined up mud pumps down the drill pipe and circulated 4.8 m ³ (30bbbls) His Vis, 14.3 m ³ (90bbbls) Dirt Magnet and another 4.8 m ³ (30bbbls) Hi Vis pill. Lined up and circulated the surface lines, booster line and choke and kill lines to Dirt Magnet brine (slug and pit#1 empty). Cleaned and flushed out pit #1.
PH	TP (WOE)	RIC	0330	0500	1.50	2648.0m	Standby waiting on brine to be diluted down from 1.29sg (10.8ppg) to 1.19sg (10ppg).
PH	P	RIC	0500	0600	1.00	2648.0m	Flushed out the surface lines / choke and kill / booster line and cement lines back to the cement unit with unfiltered brine. Lined up down the drill pipe and circulated 1.19sg (10ppg) brine around until Hi-Vis and Dirt Magnet pills at surface (dumped returns). Shut down pumps when clean brine at surface. Concurrent Ops: Lined out to mix more brine into pits #1 & #2. Filtered brine from pits #1 & #2 into pit#4.

WBM Data **Cost Today \$ 1000**

Mud Type:	DIF	API FL:	4cm ³ /30m	KCl:		Solids:	7.47	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:	1mm	Hard/Ca:	600	H2O:	93%	PV:	0.012Pa/s
Time:	03:00	HTHP-FL:		MBT:	2.5	Oil:		YP:	0.144MPa
Weight:	1.21sg	HTHP-Cake:		PM:	0.2	Sand:		Gels 10s:	0.053
Temp:				PF:	0.1	pH:	9	Gels 10m:	0.057
						PHPA:		Fann 003:	9
								Fann 006:	11
								Fann 100:	25
								Fann 200:	35
								Fann 300:	42
								Fann 600:	55

Comment: Used 16 SAPP to make cleaning pill for lines, pits, mix pumps etc. Dump and clean surface system, troughs, lines, and pits. Receiving 127.1 m³ (800 bbls) spike brine from boat at report time. Preparing pill train and brine. Costs on tomorrows report.

Bit # 14	Wear	I	O1	D	L	B	G	O2	R
		2	3	CT	A	X	I	RO	TD

Size:	216mm	IADC#	M222	Nozzles		Drilled over last 24 hrs		Calculated over Bit Run	
Mfr:	SMITH	WOB(avg)		No.	Size	Progress		Cum. Progress	
Type:	PDC	RPM(avg)	17	6	32/32nd"	On Bottom Hrs		Cum. On Btm Hrs	
Serial No.:	JX3464	F.Rate	2196lpm			IADC Drill Hrs		Cum IADC Drill Hrs	
Bit Model	MI616	SPP	7791kPa			Total Revs		Cum Total Revs	
Depth In	2648.0m	TFA	4.712			ROP(avg)		N/A	
Depth Out	2648.0m					ROP(avg)		0.00 m/hr	

Run Comment: This bit was used on the bottom of the scraper/clean out assembly.

BHA # 18

Weight(Wet)	Length	1900.7m	Torque(max)	5440.0Nm	D.C. (1) Ann Velocity	162.36mpm
Wt Below Jar(Wet)	String		Torque(Off.Btm)	2312.0Nm	D.C. (2) Ann Velocity	0mpm
	Pick-Up		Torque(On.Btm)	3944.0Nm	H.W.D.P. Ann Velocity	91.7mpm
	Slack-Off				D.P. Ann Velocity	91.7mpm

BHA Run Description: This BHA was used to clean out the casing prior to running the sand screens.

Equipment	Length	OD	ID	Serial #	Comment
Bit	0.24m	216mm		JX3464	Ran without any jets. No float installed.
Bit Sub	1.08m	160mm	70mm		
Drill Pipe	115.28m	127mm	70mm		
9.625in Casing Scraper	4.51m	213mm	71mm		
Drill Pipe	1413.24m	127mm	70mm		
10 3/4" Well Patroller	4.46m	241mm	57mm		
Drill Pipe	173.15m	127mm	70mm		
Ball Catcher	1.78m	171mm	51mm		
Circulating sub	2.83m	197mm	51mm		
Drill Pipe	96.02m	127mm	70mm		
Riser Brush	1.70m	457mm	71mm		
Drill Pipe	86.65m	127mm	70mm		

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	14	0	497.9	
Potable Water	m3	31	20	0	369.0	
Drill Water	m3	0	48	0	758.0	

Personnel On Board

Company	Comment	Pax
Santos		7
DOGC		46
ESS		8
BHI		2
Dowell		2
Rheochem		1
MI Swaco		1
TMT		6
Cameron		3
Premium Casing Services		4
Weatherford		2
Baker Oil Tools		2
Scotech		2
Expro		1
WFT		1
Schlumberger Testing		5
Halliburton		1
Expro		2
Production Quest		2
Total		98

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	12 Oct 2008	6 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	45 Days	Rig visit by DPI. Conducted an environmental audit on Santos operation.
Fire Drill	1	05 Oct 2008	13 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	2 Days	IP reported that his left eye was irritable and itchy. The eye was red presumably with rubbing with hand.
JHA	45	18 Oct 2008	0 Days	Drill crew - 18 Deck Crew - 16 Welder - 3 Mechanic - 4 Electrician - 1 3rd Party - 1 Subsea- 2
Lost Time Incident	1	30 May 2008	141 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	66 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	2 Days	Adjustable wrench fell from open top container while backloading to supply vessel and landed on deck.
Near Miss	1	18 Oct 2008	0 Days	While lifting the annular off the hurricane frame, it caught the side and fell off landing on the deck (1m fall). No injuries to personnel or equipment.
Pre-Tour Meeting	4	18 Oct 2008	0 Days	Discussed the next 24 hr operation. Laying out scraper/clean out assembly. Rig up and commence running lower completion. Went over STOP cards.
PTW Issued	19	18 Oct 2008	0 Days	6 x hot work 13 x cold work
Safety Audit	1	29 Jul 2008	81 Days	Santos environment audit conducted.
Safety Audit	1	30 Jul 2008	80 Days	EHSMS audit conducted onboard.
Safety Meeting	3	12 Oct 2008	6 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	6	18 Oct 2008	0 Days	Inducted new personnel to site after DODI rig wide induction.
Stop Observations	66	18 Oct 2008	0 Days	40 - Safe 26 - Corrective Actions
STOP Tour	5	18 Oct 2008	0 Days	Submitted by Diamond supervisor Stop audit.

Shakers, Volumes and Losses Data				Engineer : Mike Morris			
Available	310.6m ³	Losses	6.8m ³	Equip.	Descr.	Mesh Size	Hours
Active	66.6m ³	Downhole		Centrifuge 1	MI SW FVS 518		
Mixing		Surf+ Equip	0.0m ³	Centrifuge 1	MI SW FVS 518		
Hole	105.7m ³	Dumped	6.8m ³	Centrifuge 2	MI SW FVS 518		
Slug	11.1m ³	De-Sander		Centrifuge 2	MI SW FVS 518		
Reserve		De-Silter		Shaker 3	MI SW - BEM 650	40/20 200 HC x 1	5
Kill	0.0m ³	Centrifuge		Shaker 3	MI SW - BEM 650	40/20 200 HC x 1	
10.5ppg Brine	127.2m ³			Shaker 4	MI SW - BEM 650	30/20 200 HC x 1	5
				Shaker 4	MI SW - BEM 650	30/20 200 HC x 1	
				Shaker 5	MI SW - BEM 650	30/20 200 HC x 1	5
				Shaker 5	MI SW - BEM 650	30/20 200 HC x 1	
				Shaker 6	MI SW - BEM 650	40/20 165 HC x 1	
				Shaker 6	MI SW - BEM 650	40/20 165 HC x 1	

Comment Mixed 70bbls Hi-Vis in the slug pit.
 200bbls of Dirt Magnet brine in pit #1.
 Pit #5 & #2 holding 800bbls of 10.5ppg brine from the boat.
 Continue cleaning pit #4 at report time.

Marine										
Weather check on 18 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)
18.5km	20km/h	190.0deg	1011.00bar	14.0C°	0.3m	190.0deg	2sec	1	1353.0	130.18
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments		2	1372.8	130.18
0.3deg	0.3deg	0.50m	2.0m	230.0deg	13sec			3	1386.8	127.01
Rig Dir.	Ris. Tension	VDL	Comments					4	1414.0	128.82
217.0deg	108.86mt	799.23mt						5	1365.8	121.11
								6	1389.9	122.02
								7	1393.9	138.80
								8	1389.9	107.96

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip	23:35 17th Oct 08		Standing By.	Item	Unit	Quantity
				Fuel	m3	507
				Potable Water	m3	467
				Drill Water	m3	397
				Gel	mt	59
				Cement	mt	84
				Barite	mt	41
				KCl Brine	bbl	52
				NaCl Brine	bbl	0
					bbl	0
Nor Captain			Standing By.	Item	Unit	Quantity
				Fuel	m3	498
				Potable Water	m3	328
				Drill Water	m3	319
				Gel	mt	42
				Cement	mt	0
				Barite	mt	0
				KCl Brine	bbl	0
				NaCl Brine	bbl	0
					bbl	0

Helicopter Movement					
Flight #	Time	Destination	Comment	Pax	
BYV	10:20	Essendon		8	
BYV	10:30	Ocean Patriot		5	