

From : Chris Roots / Willie McKay
OIM : Rod Dotson

Well Data

Country	Australia	Measured Depth	2648.0m	Current Hole Size	311mm	AFE Cost	\$41,512,831
Field		TVD	1739.5m	Casing OD	244mm	AFE No.	5746043
Drill Contractor	DOGC	Progress	0.0m	Shoe MD	2042.7m	Daily Cost	\$7,597,159
Rig	Ocean Patriot	Days from spud	53.87	Shoe TVD	1709.9m	Cum Cost	\$58,669,724
Water Depth (LAT)	66.3m	Days on well	14.88	F.I.T. / L.O.T.	2.20sg / 2.20sg	Planned TD	2627.0m
RT-SL(LAT)	21.5m	Current Op @ 0600	RIH with lower completion at 255 m.				
RT-ML	87.8m	Planned Op	Continue running lower completion as directed by Santos Completions.				
Rig Heading	217.0deg						

Summary of Period 0000 to 2400 Hrs

POOH with 216 mm (8 1/2") BHA and laid out same.
 Picked up scraper clean out assembly, RIH and commenced scraper run from 1,762 m to 1,693 m while cleaning riser with brush assembly.
 Functioned BOP's to remove debris from cavities.
 POOH from 1,793 m to 351 m.

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 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 components 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.
PH	P	HBHA	0600	0630	0.50	2648.0m	Picked up and made up casing scraper assembly.
PH	P	TI	0630	0930	3.00	2648.0m	Held JSA and RIH with scraper assembly on 127 mm (5") drill pipe from surface to 1,073 m drifting stands from monkey board level.
PH	P	HT	0930	1130	2.00	2648.0m	Removed Schlumberger DD/LWD spool piece and cables from standpipe in derrick
PH	P	TI	1130	1500	3.50	2648.0m	Continued RIH from 1,073 m to 1,881 m picking up 274 mm (10 3/4") well patroller, ball catcher and CCU.
PH	P	CIC	1500	1630	1.50	2648.0m	Commenced scraping 245 mm (9 5/8") casing from 1,762 m to 1,697 m with: Flow Rate: 2,422 l/min, (640 gpm). SPP: 8.6 MPa, (1,250 psi) RPM: 20.
PH	P	TO	1630	1700	0.50	2648.0m	POOH from 1,762 m to 1,693 m.
PH	P	OA	1700	1815	1.25	2648.0m	Spaced out and functioned BOP rams to clear any debris from cavities.
PH	P	CHC	1815	1900	0.75	2648.0m	Dropped (2 3/8") SABS opening ball, pumped down string and sheared with 11 MPa, (1,600 psi). Jetted BOP's with 1,559 l/min, (412 gpm) and 8.1 MPa, (1,173 psi). Dropped 2nd ball to close circulating sub.
PH	P	CHC	1900	2000	1.00	2648.0m	Pumped hi-vis pill and circulated 1.5 bottoms up with: Flow Rate: 2,422 l/min, (640 gpm). SPP: 8.3 MPa, (1,200 psi) RPM: 10.
							SIMOPS: Conducted mud flow through test over screen coupon once circulation had been completed.
PH	P	TO	2000	2400	4.00	2648.0m	Pumped slug and POOH from 1,783 m to 351 m laying out scraper/clean out tools. +/- 350 g of cement debris was collected by well patroller. Recovered 800 g of swarf collected on magnet in header box.
							SIMOPS: Strapped sub assemblies using laser measurer to verify lengths in sub assembly sheets. Drifted SABS tool with 37 mm (1-7/16") and, 45 mm (1-3/4") balls for SC-1R packer setting tool, OK.

Operations For Period 0000 Hrs to 0600 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.

WBM Data		Cost Today \$ 2581							
Mud Type:	DIF	API FL:	4cm ³ /30m	KCl:		Solids:	7.47	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:	1mm	Hard/Ca:	400	H2O:	93%	PV:	0.012Pa/s
Time:	18:00	HTHP-FL:		MBT:	2.5	Oil:		YP:	0.148MPa
Weight:	1.21sg	HTHP-Cake:		PM:	0.3	Sand:		Gels 10s:	0.053
Temp:				PF:	0.2	pH:	9	Gels 10m:	0.057
						PHPA:		Fann 003:	13
								Fann 006:	16
								Fann 100:	30
								Fann 200:	38
								Fann 300:	44
								Fann 600:	57
Comment Discharged excess mud to enable pit cleaning for brine.									

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			0.0m	
Type:	PDC	RPM(avg)	17	6	32/32nd"	On Bottom Hrs			Cum. On Btm Hrs			0.00h	
Serial No.:	JX3464	F.Rate	2196lpm	IADC Drill Hrs			Total Revs			Cum IADC Drill Hrs			0.00h
Bit Model	MI616	SPP	7791kPa	ROP(avg)			N/A			Cum Total Revs			0
Depth In	2648.0m	TFA	4.712	ROP(avg)			N/A			ROP(avg)			0.00 m/hr
Depth Out	2648.0m												
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.	
Bit Sub	1.08m	160mm	70mm		No float installed.	
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	17.8	0	511.9	
Potable Water	m3	30	27	0	358.0	
Drill Water	m3	0	24	0	806.0	

Personnel On Board		
Company	Comment	Pax
Santos		7
DOGC		46
ESS		8
BHI		2
Dowell		2
Rheochem		2
MI Swaco		2
TMT		6
Cameron		2
Schlumberger Drilling & Measurements		2
Premium Casing Services		4
Weatherford		2
Baker Oil Tools		2
Scotech		2
Expro		1
WFT		1
Schlumberger Testing		3
Halliburton		1
	Total	95

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	12 Oct 2008	5 Days	Abandon rig drill completed after the simulated fire drill under control. A full muster was achieved in 6 minutes.
Environmental Audit	1	03 Sep 2008	44 Days	Rig visit by DPI. Conducted an environmental audit on Santos operation.
Fire Drill	1	05 Oct 2008	12 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	1 Day	IP reported that his left eye was irritable and itchy. The eye was red presumably with rubbing with hand.
JHA	41	17 Oct 2008	0 Days	Drill crew - 16 Deck Crew - 15 Welder - 6 Mechanic - 1 Electrician - 0 3rd Party - 2 Subsea- 1
Lost Time Incident	1	30 May 2008	140 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	65 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	1 Day	Adjustable wrench fell from open top container while backloading to supply vessel and landed on deck.
Pre-Tour Meeting	3	17 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	13	17 Oct 2008	0 Days	7 x hot work 6 x cold work
Safety Audit	1	29 Jul 2008	80 Days	Santos environment audit conducted.
Safety Audit	1	30 Jul 2008	79 Days	EHSMS audit conducted onboard.
Safety Meeting	3	12 Oct 2008	5 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	1 Day	Inducted new personnel to site after DODI rig wide induction.
Stop Observations	55	17 Oct 2008	0 Days	28 - Safe 27 - Corrective Actions
STOP Tour	1	17 Oct 2008	0 Days	Submitted by Diamond supervisor Stop audit.

Shakers, Volumes and Losses Data				Engineer : Julian Chapman / Mike Morris			
Available	183.8m ³	Losses	99.5m ³	Equip.	Descr.	Mesh Size	Hours
Active	3.2m ³	Downhole		Centrifuge 1	MI SW FVS 518		
Mixing		Surf+ Equip	1.6m ³	Centrifuge 2	MI SW FVS 518		
Hole	110.8m ³	Dumped	97.9m ³	Shaker 3	MI SW - BEM 650	40/20 200 HC x 1	5
Slug	0.0m ³	De-Sander		Shaker 4	MI SW - BEM 650	30/20 200 HC x 1	5
Reserve		De-Silter		Shaker 5	MI SW - BEM 650	30/20 200 HC x 1	5
Kill	0.0m ³	Centrifuge		Shaker 6	MI SW - BEM 650	40/20 165 HC x 1	
Storage	69.8m ³						

Marine								Rig Support		
Weather check on 17 Oct 2008 at 24:00								Anchors	Chain out (m)	Tension (mt)
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	1	1353.0	132.00
18.5km	22km/h	50.0deg	1026.00bar	13.0C°	0.3m	50.0deg	2sec	2	1372.8	130.18
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments				
0.4deg	0.3deg	0.70m	3.0m	230.0deg	13sec					
Rig Dir.	Ris. Tension	VDL	Comments							
217.0deg	110.22mt	829.62mt								
								3	1386.8	128.82
								4	1414.0	127.91
								5	1365.8	118.84
								6	1389.9	120.20
								7	1393.9	141.07
								8	1389.9	112.04

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip			Standing By.	Item	Unit	Quantity
				Fuel	m3	615
				Potable Water	m3	472
				Drill Water	m3	397
				Gel	mt	59
				Cement	mt	84
				Barite	mt	41
				KCl Brine	bbbl	52
				NaCl Brine	bbbl	0
					bbbl	0
Nor Captain			Standing By.	Item	Unit	Quantity
				Fuel	m3	507.4
				Potable Water	m3	333
				Drill Water	m3	319
				Gel	mt	42
				Cement	mt	0
				Barite	mt	0
				KCl Brine	bbbl	0
				NaCl Brine	bbbl	800
					bbbl	

Helicopter Movement					
Flight #	Time	Destination	Comment	Pax	
BYV	11:00	Essendon		9	
BYV	11:15	Ocean Patriot		12	