

From : Peter Devine / Rohan Richardson
OIM : Rod Dotson

Well Data

Country	Australia	Measured Depth	2517.0m	Current Hole Size	216mm	AFE Cost	\$39,506,831
Field		TVD	1655.0m	Casing OD	244mm	AFE No.	5746046
Drill Contractor	DOGC	Progress	29.0m	Shoe MD	1936.0m	Daily Cost	\$7,228,110
Rig	Ocean Patriot	Days from spud	10.12	Shoe TVD	1680.0m	Cum Cost	\$34,844,538
Water Depth (LAT)	65.4m	Days on well	10.13	F.I.T. / L.O.T.	/	Planned TD	2503.0m
RT-SL(LAT)	21.5m	Current Op @ 0600	Continuing to scrape casing from 1830 m				
RT-ML	86.9m	Planned Op	Function BOP rams and annular preventers, flush and clean same with jetting sub. Drop second CCV ball to close jetting sub tool, pump hi-vis sweep and circulate hole clean through bit. POOH and rig up to run lower (sand screen) completion string.				
Rig Heading	215.0deg						

Summary of Period 0000 to 2400 Hrs

Drilled 216 mm (8 1/2") production hole from 2488 m to TD at 2517 m. Circulated and conditioned mud, POOH to 1923 m and RIH for check trip to TD. Circulated and conditioned mud with 325 mesh screens and POOH, laid out BHA. Picked up and made up casing scraper assembly and RIH to 236 m.

Formations

Name	Top (MD)	Top (TVD)	Comment
K85 Unconformity	1783.0m	1673.6m	
Waarre A	1792.0m	1683.1m	

Operations For Period 0000 Hrs to 2400 Hrs on 12 Aug 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PH	P	DA	0000	0130	1.50	2517.0m	Continued to drill 216 mm (8 1/2") production hole from 2488 m to TD at 2517 m MD, 1655 m TVD. Samples at TD showed 5% siltstone.
PH	P	CHC	0130	0430	3.00	2517.0m	Pumped 11.1 m3 (70 bbl) hi-vis sweep at TD and circulated hole clean with 4 by bottoms up. Ran booster pumps for the last circulation to clean riser.
							Simultaneous Operations: Mud Test Carried out 12 sec for 1L Flow with 175mm Screens.
PH	P	FC	0430	0445	0.25	2517.0m	Flow checked well for 15 min, ok
PH	P	TO	0445	0800	3.25	2517.0m	Pulled out of hole from 2517 m to 1923 m. Max overpull 4.4 t (10 klbs). Pick up weight 115 t (260 klbs), slack off weight 84 t (190 klbs), string weight 97.8 t (220 klbs).
PH	P	TI	0800	1000	2.00	2517.0m	RIH from 1923 m to 2517 m on check trip for sand screen run, ok. Max drag 13.6 t (30 kips)
PH	P	CMD	1000	1200	2.00	2517.0m	Circulated and conditioned mud. Screened up to 325 mesh shaker screens and circulated 3 by bottoms up, minimal returns observed at shakers by end of circulation.
PH	P	FC	1200	1215	0.25	2517.0m	Conducted flow check prior to POOH and held pre job safety meeting.
PH	P	TO	1215	1230	0.25	2517.0m	POOH from 2517 m to 2375 m. Pumped a 4.7 m3 (30 bbl) heavy weight slug and displaced into drillpipe.
PH	P	TO	1230	1400	1.50	2517.0m	Continued to POOH from 2375 m to 1914 m with no hole problems.
PH	P	RS	1400	1430	0.50	2517.0m	Serviced TDS, blocks and sheaves. Flow checked well on trip tank at shoe, ok.
PH	P	TO	1430	1830	4.00	2517.0m	Dropped hollow pump-through drift in drillpipe and continued to POOH from 1914 m to 43.59 m.
PH	P	HBHA	1830	2130	3.00	2517.0m	Laid out 216 mm (8 1/2") BHA from 43 m, removed LWD source and broke off bit.
CTB	P	CRF	2130	2200	0.50	2517.0m	Pulled diverter bag and master bushings, cleaned housing in preparation for completions. Functioned shear rams at a reduced hydraulic pressure to remove debris from cavity.
CTB	P	SM	2200	2215	0.25	2517.0m	Held pre job safety meeting with drill crew, deck crew and third party on casing scraper make up and running operations.
CTB	P	HT	2215	2230	0.25	2517.0m	Rigged up to run clean up / scraper run.
CTB	P	TI	2230	2245	0.25	2517.0m	Made up 216 mm (8 1/2") drill bit to bit sub with non ported float.
CTB	P	TI	2245	2300	0.25	2517.0m	RIH to 58 m on drillpipe.
CTB	P	HT	2300	2330	0.50	2517.0m	Made up 244 mm (9 5/8") casing scraper and 244 mm (9 5/8") Magno Back Magnet tool to drillpipe.
CTB	P	TI	2330	2400	0.50	2517.0m	Continued to RIH from 63 m to 236 m on drillpipe.

Operations For Period 0000 Hrs to 0600 Hrs on 13 Aug 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
CTB	P	TI	0000	0245	2.75	2517.0m	Continued to RIH from 236 m to 1476 m. Filled pipe and broke circulation.
CTB	P	SM	0245	0300	0.25	2517.0m	Held pre job safety meeting with rig crew, deck crew and third party on handling, making up and running 273 mm (10 3/4") Well Patroller.
CTB	P	HT	0300	0315	0.25	2517.0m	Picked up and made up 273 mm (10 3/4") Well Patroller tool.
CTB	P	TI	0315	0330	0.25	2517.0m	Continued to RIH on drillpipe from 1480 m to 1625 m.

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
CTB	P	HT	0330	0345	0.25	2517.0m	Picked up and made up CCV tool and Ball Catcher
CTB	P	TI	0345	0415	0.50	2517.0m	Continued to RIH from 1629 m to 1745 m on drillpipe.
CTB	P	HT	0415	0430	0.25	2517.0m	Picked up and made up 476 mm (18 3/4") Riser Brush to drillpipe.
CTB	P	WCU	0430	0600	1.50	2517.0m	Commenced casing scraper run from 1746 m to 1804 m with 3218 l/min (850 gpm) flow rate, 15.2 MPa (2 200 psi). Total volume pumped 237 m3 (1495 bbls). Simultaneous Operations: Changed out shaker screens for 230 mesh. Loaded completion equipment from NOR Captain to port side pipe deck.

WBM Data		Cost Today \$ 4346							
Mud Type:	WFW	API FL:	4cm ³ /30m	KCl:	0%	Solids:	2.52	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:	0mm	Hard/Ca:	480	H2O:	97%	PV:	0.012Pa/s
Time:	22:00	HTHP-FL:		MBT:	0.2	Oil:		YP:	0.168MPa
Weight:	1.15sg	HTHP-Cake:		PM:	0.2	Sand:	0.25	Gels 10s:	0.048
Temp:				PF:	0.02	pH:	9	Gels 10m:	0.067
						PHPA:	Oppb	Fann 003:	10
								Fann 006:	13
								Fann 100:	33
								Fann 200:	40
								Fann 300:	47
								Fann 600:	59

Comment Build hi-vis pill in slug pit to sweep post casing scraper run. Added starch to maintain fluid loss while continually adding drill water at 3 bbls/hr.

Bit # 2				Wear	I	O1	D	L	B	G	O2	R
					1	3	BT	G	X	I	WT	TD
Size:	216mm	IADC#		Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	REED	WOB(avg)	6.80mt	No.	Size	Progress	29.0m	Cum. Progress	572.0m			
Type:		RPM(avg)	121	5	13/32nd"	On Bottom Hrs	1.30h	Cum. On Btm Hrs	31.80h			
Serial No.:	119583	F.Rate	2328lpm			IADC Drill Hrs	1.50h	Cum IADC Drill Hrs	46.00h			
Bit Model	RSX519M-A4	SPP	14824kPa			Total Revs		Cum Total Revs	0			
Depth In	1944.0m	TFA	0.648			ROP(avg)	22.31 m/hr	ROP(avg)	17.99 m/hr			
Depth Out	2517.0m											

BHA # 1							
Weight(Wet)	13.15mt	Length	183.7m	Torque(max)		D.C. (1) Ann Velocity	0mpm
Wt Below Jar(Wet)	10.43mt	String	102.06mt	Torque(Off.Btm)		D.C. (2) Ann Velocity	0mpm
		Pick-Up	115.67mt	Torque(On.Btm)		H.W.D.P. Ann Velocity	126.74mpm
		Slack-Off	88.45mt			D.P. Ann Velocity	97.24mpm

Equipment	Length	OD	ID	Serial #	Comment
Bit	0.24m	216mm	51mm	119583	
Powerdrive 645	7.66m	213mm	51mm	266	
LWD Tools	8.04m	210mm	51mm	987	
Telescope HF	9.10m	171mm	127mm	FA27	
NMDC	18.55m	171mm	74mm		
HWDP	93.42m	168mm	78mm		
Jar	9.32m	165mm	70mm	24670G	
HWDP	34.47m	168mm	70mm		

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	Comment
Barite	mT	0	0	0	84.0	
Gel	mT	0	0	0	53.0	
Cement	mT	0	0	0	70.0	
Fuel	m3	0	25	0	487.0	
Potable Water	m3	31	34	0	312.0	
Drill Water	m3	0	66	0	620.0	

Personnel On Board		
Company	Comment	Pax
Santos		7
Santos		2
DOGC		44
ESS		8
SPS		1
BHI		3
Dowell		1
Rheochem		2
TMT		6
Premium Casing Services		4
Expro		2
Baker Oil Tools		2
Anadrill		2
Anadrill		1
Weatherford		2
MI Swaco		1
Cameron		3
DOGC Service		5
Schlumberger Testing		4
Total		100

Casing			
OD	L.O.T. / F.I.T.	Casing Shoe (MD/TVD)	Cementing
762mm	/	130.90/130.90	As per cement data.
340mm	2.12 /	642.20/642.20	Class G lead slurry to surface. Class G tail TOC at ± 492m (150m).
244mm	/	1936.00/	

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	10 Aug 2008	2 Days	Abandonment drill completed after the fire drill. Completed full muster at lifeboat stations 1 and 3 in 6 minutes post fire drill completed.
Additional Supervision	1	02 Aug 2008	10 Days	No night SOC on rig, unable to get a firm commitment from DODI to fill position.
Fire Drill	1	03 Aug 2008	9 Days	Simulated a fire in the main store room at 10:32. Fire under control at 10:42.
First Aid	1	04 Aug 2008	8 Days	IP presented with slightly swollen finger tip and black finger nail. He was assisting the electrician fit new batteries for the crane when it moved suddenly causing his finger to become caught between the framework and battery. The pressure was released from behind the fingernail, pain relief given and he returned to work.
First Aid	1	04 Aug 2008	8 Days	IP was walking on non skid walkway when he stepped on a small amount of mud. This caused his foot to slip which resulted in a 5 cm by 0.5 cm loss of skin from his shin when it came in contact with some framework.
JHA	33	12 Aug 2008	0 Days	Drill crew - 11 Deck Crew - 20 Electrician - 2
Lost Time Incident	1	30 May 2008	74 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	24 Jul 2008	19 Days	IP sustained a deep cut to his left leg. This was caused by his foot slipping off a timber support and hitting his shin. The IP will be flown out on crew chopper. Note: IP received 7 stitches and has been given clearance to return to work. Resumed duties 25th Jul 08.
Pre-Tour Meeting	4	12 Aug 2008	0 Days	Discussed upcoming operations and associated hazards prior to each shift starting.
PTW Issued	13	12 Aug 2008	0 Days	4 x hot work permits 9 x cold work permits
Safety Audit	1	30 Jul 2008	13 Days	EHSMS audit conducted onboard.
Safety Meeting	3	10 Aug 2008	2 Days	Reviewed stop cards for the week and awarded Santos best stop card. Discussed fire and abandonment drill and muster times. Reviewed safety alerts from other DODI facilities. Reviewed procedure for fire abandonment.
Santos Induction	1	12 Aug 2008	0 Days	Inducted new personnel to site after Diamond rig wide induction and walk around.
Stop Observations	34	12 Aug 2008	0 Days	19 - Safe 15 - Corrective Actions
STOP Tour	1	10 Aug 2008	2 Days	Conducted Santos STOP audit on portside and starboard side pipe racks. Multiple lifts have been conducted and the deck crew manage to maintain good housekeeping with only a few pieces of dunnage lying loose. This was put aside. Some containers were out of place however, crane was waiting on boat to offload immediately. Good job to deck crew and crane operator.
Trip/Pit Drill	1	09 Aug 2008	3 Days	Sounded the alarm on the drill floor for a kick drill. Shut in DP, spaced out and closed BOP's. Conducted choke drill by circulating fluid through choke manifold

Shakers, Volumes and Losses Data				Engineer : Carissa Thompson / Fius Siregar			
Available	383.5m ³	Losses	8.2m ³	Equip.	Descr.	Mesh Size	Hours
Active	74.7m ³	Downhole		Centrifuge 1	MI SW FVS 518		24
Mixing	0.0m ³	Surf+ Equip	2.2m ³	Centrifuge 1	MI SW FVS 518		6
Hole	109.1m ³	Dumped	2.7m ³	Centrifuge 2	MI SW FVS 518		24
Slug		De-Sander		Centrifuge 2	MI SW FVS 518		6
Reserve	39.4m ³	De-Silter		Shaker 3	Bem 650 - MI SW	20 / 20 200 HC x 4	24
Kill		Centrifuge	3.3m ³	Shaker 3	Bem 650 - MI SW	20 / 20 200 HC x 4	12
Storage	160.3m ³			Shaker 4	Bem 650 - MI SW	20 / 20 200 HC x 4	24
				Shaker 4	Bem 650 - MI SW	20 / 20 200 HC x 4	12
				Shaker 5	Bem 650 - MI SW	20 / 20 200 HC x 4	24
				Shaker 5	Bem 650 - MI SW	20 / 20 200 HC x 4	12
				Shaker 6	Bem 650 - MI SW	20 / 20 200 HC x 4	24
				Shaker 6	Bem 650 - MI SW	20 / 20 200 HC x 4	12

Marine										
Weather check on 12 Aug 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	69km/h	245.0deg	1024.00bar	9.0C°	2.0m	245.0deg	3sec	1	1382.9	125.19
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments		2	1382.9	130.18
1.5deg	0.5deg	1.50m	3.0m	225.0deg	12sec			3	1399.9	137.89
Rig Dir.	Ris. Tension	VDL	Comments					4	1376.8	137.89
215.0deg	124.74mt	972.96mt						5	1410.9	136.08
								6	1421.0	130.18
								7	1410.9	117.93
								8	1414.0	125.19

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip		19:50 hrs 12.08.08	On sail to Portland. Pilot booked for 07:00 hrs.	Item	Unit	Quantity
				Fuel	m3	251
				Potable Water	m3	260
				Drill Water	m3	410
				KCl Brine	m3	140
				NaCl Brine	m3	19
				Mud	m3	14
				Cement	mT	43.5
				Barite	mT	84
Gel	mT	59				
Nor Captain	19:30 hrs 12.08.08		Standby Ocean Patriot	Item	Unit	Quantity
				Fuel	m3	382
				Potable Water	m3	388
				Drill Water		193
				Cement	mT	38
				Gel	mT	42
				Mud	m3	224
				Barite	mT	28

Helicopter Movement					
Flight #	Time	Destination	Comment	Pax	
GYJ	12:01	Essendon		11	
GYJ	12:12	Ocean Patriot		11	