

**From : Peter Devine / Rohan Richardson**  
**OIM : Rod Dotson**

**Well Data**

Country	Australia	Measured Depth	1960.0m	Current Hole Size	216mm	AFE Cost	\$39,506,831
Field		TVD	1684.1m	Casing OD	244mm	AFE No.	5746046
Drill Contractor	DOGC	Progress	16.0m	Shoe MD	1936.0m	Daily Cost	\$768,539
Rig	Ocean Patriot	Days from spud	7.12	Shoe TVD	1680.0m	Cum Cost	\$25,869,511
Water Depth (LAT)	65.4m	Days on well	7.13	F.I.T. / L.O.T.	/	Planned TD	2503.0m
RT-SL(LAT)	21.5m	Current Op @ 0600 Drilling ahead 216 mm (8 1/2") hole from 2040 m.					
RT-ML	86.9m	Planned Op Continue to drill 216 mm (8 1/2") production hole as per directional plan.					
Rig Heading	215.0deg						

**Summary of Period 0000 to 2400 Hrs**

Made up and RIH 216 mm (8 1/2") BHA to 1910 m and drilled out cement, plugs and float collar. Drilled cement shoe track to 1933 m and displaced KCL mud to DIF. Drilled float shoe and new formation to 1960 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 09 Aug 2008**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PH	P	HBHA	0000	0330	3.50	1944.0m	Continued to pick up and make up 216 mm (8 1/2") BHA from 25 m to 183 m. Conducted shallow hole test on HWDP, pulled back to LWD tools and loaded source. RIH and performed shallow hole test at HWDP, ok.
PH	P	TI	0330	0430	1.00	1944.0m	Continued to RIH from 183 m to 529 m.
PH	P	RS	0430	0500	0.50	1944.0m	Serviced TDS, blocks and dolly.
PH	P	TI	0500	1300	8.00	1944.0m	Continued to RIH from 529 m to 1830 m. Broke each joint and cleaned out cement contamination. Broke circulation every 10 joints to confirm MWD tool signal and serviceability. Cement contamination on tool joints from 847 m to 1482 m.
PH	P	TI	1300	1330	0.50	1944.0m	Made up TDS and washed in from 1830 m to 1900 m. Tagged TOC at 1900 m with 4.4 t (10 klbs) WOB.
PH	P	SM	1330	1400	0.50	1944.0m	Performed well control drill, spaced out and shut in well. Conducted choke manifold drill by circulating through manifold while maintaining back pressure with chokes.
PH	P	DFS	1400	1430	0.50	1944.0m	Drilled out cement from 1900 m to 1911 m, tagged plugs and drilled out same.
PH	TP (JNK)	DFS	1430	1630	2.00	1944.0m	Experienced high torque and circulating pressures due to rubber from plugs and plastic from Shark Bite sleeve packing off around stabilisers. Worked BHA with rotation and circulation to clear debris from stabilisers.
PH	P	DFS	1630	1700	0.50	1944.0m	Continued to drill float collar and cement shoe track to 1933 m.
PH	P	CHC	1700	1730	0.50	1944.0m	Circulated bottoms up while holding pre job meeting with crews on displacing KCL mud to Drill In Fluid mud.
PH	P	DIS	1730	1930	2.00	1944.0m	Pumped 9.5 m3 (60 bbl) Hi-vis spacer, displaced booster, choke and kill lines to 1.15 sg (9.6 ppg) Drill In Fluid mud. Continued displacing hole with same.
PH	P	OA	1930	2100	1.50	1944.0m	Dumped and cleaned sand traps and trip tank, flushed all surface lines, header box and shakers.
PH	P	DFS	2100	2200	1.00	1944.0m	Continued to drill shoe track from 1933 m to 1936 m, back reamed over shoe 3 times and pulled back inside shoe for SCR's and CLF rates. Calibrated geograph line on TDS with mud loggers.
PH	P	DFS	2200	2300	1.00	1945.0m	Cleaned out rat hole from 1936 m to 1944 m. Drilled 1 m of new hole to 1945 m and performed downlink to DD tools.
PH	P	DA	2300	2400	1.00	1960.0m	Drilled ahead 216 mm (8 1/2") hole from 1945 m to 1960 m MD, 1684 m TVD, 81.2 deg, 122.5 Azm.

**Operations For Period 0000 Hrs to 0600 Hrs on 10 Aug 2008**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PH	P	DA	0000	0230	2.50	1998.0m	Continued to drill ahead from 1960 m to 1998 m.
PH	P	FC	0230	0300	0.50	1998.0m	Flow checked well, ok. Calibrated mud loggers gas instrumentation.
PH	P	DA	0300	0600	3.00	2144.0m	(IN PROGRESS) Continued to drill ahead from 1998 m to 2144 m MD, average gas 69 units (1.38%). Changed gears on TDS from high to low to reduce drilling torque from 33.9 kNm (25 kft.lbs) to 23 kNm (17 kft.lbs).

General Comments		
Comments	Rig Requirements	Lessons Learnt
Commenced rigging up completions equipment. Spotted 4 by compressors, port side. Well test 85% complete. Completions 35% complete.		

WBM Data		Cost Today \$ 10465							
Mud Type:	WFW	API FL:	4cm³/30m	KCl:	0%	Solids:	1.62	Viscosity:	0sec/L
Sample-From:	FL	Filter-Cake:	1mm	Hard/Ca:	280	H2O:	98%	PV:	0.010Pa/s
Time:	23:00	HTHP-FL:		MBT:	0	Oil:		YP:	0.115MPa
Weight:	1.14sg	HTHP-Cake:		PM:	0.4	Sand:	0	Gels 10s:	0.043
Temp:	110.0C°			PF:	0.08	pH:	9.5	Gels 10m:	0.057
						PHPA:	Oppb	Fann 003:	9
								Fann 006:	11
								Fann 100:	23
								Fann 200:	29
								Fann 300:	34
								Fann 600:	44
Comment Run two centrifuges when drilling out shoe track and displacing KCL mud to DIF. Treated KCL mud with Idcide when backloading to Nor Captain.									

Bit # 2				Wear	I	O1	D	L	B	G	O2	R
Size:	216mm	IADC#		Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	REED	WOB(avg)	4.54mt	No.	Size	Progress	16.0m	Cum. Progress	16.0m			
Type:		RPM(avg)	135	5	13/32nd"	On Bottom Hrs	1.10h	Cum. On Btm Hrs	1.10h			
Serial No.:	119583	F.Rate	2461lpm			IADC Drill Hrs	2.50h	Cum IADC Drill Hrs	2.50h			
Bit Model	RSX519M-A4	SPP	12617kPa			Total Revs		Cum Total Revs	0			
Depth In	1944.0m	TFA	0.648			ROP(avg)	14.55 m/hr	ROP(avg)	14.55 m/hr			
Depth Out												

BHA # 1							
Weight(Wet)	13458.10mt	Length	183.7m	Torque(max)	34.0Nm	D.C. (1) Ann Velocity	NaNmpm
Wt Below Jar(Wet)	10807.30mt	String	106.59mt	Torque(Off.Btm)	20.4Nm	D.C. (2) Ann Velocity	NaNmpm
		Pick-Up	108.86mt	Torque(On.Btm)	27.2Nm	H.W.D.P. Ann Velocity	NaNmpm
		Slack-Off	95.25mt			D.P. Ann Velocity	NaNmpm

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	13	0	400.5		
Potable Water	m3	37	34	0	364.0		
Drill Water	m3	0	0	0	764.0		

Personnel On Board		
Company	Comment	Pax
Santos		7
Santos		2
DOGC		44
ESS		8
BHI		9
Dowell		1
Rheochem		2
TMT		6
Anadrill		3
Anadrill		3
Weatherford		2
MI Swaco		2
Cameron		2
DOGC Service		7
Schlumberger Testing		2
<b>Total</b>		<b>100</b>

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/	

<b>HSE Summary</b>				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	03 Aug 2008	6 Days	Abandonment drill completed after the fire drill. Completed full muster at lifeboat stations 1 and 3 in 13 minutes.
Additional Supervision	1	02 Aug 2008	7 Days	No night SOC on rig, unable to get a firm commitment from DODI to fill position.
Fire Drill	1	03 Aug 2008	6 Days	Simulated a fire in the cement room at 10:32. Fire under control at 10:42.
First Aid	1	04 Aug 2008	5 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	5 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	26	09 Aug 2008	0 Days	Drill crew - 9 Deck Crew - 12 Mechanic - 5
Lost Time Incident	1	30 May 2008	71 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	16 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	09 Aug 2008	0 Days	Discussed upcoming operations and associated hazards prior to each shift starting.
PTW Issued	9	09 Aug 2008	0 Days	7 x hot work permits 2 x cold work permits
Safety Audit	1	30 Jul 2008	10 Days	EHSMS audit conducted onboard.
Safety Meeting	3	03 Aug 2008	6 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.
Santos Induction	1	09 Aug 2008	0 Days	Inducted new personnel to site
Stop Observations	53	09 Aug 2008	0 Days	35 - Safe 18 - Corrective Actions
STOP Tour	1	09 Aug 2008	0 Days	Submitted Diamond supervisor audits.
Trip/Pit Drill	1	09 Aug 2008	0 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

<b>Shakers, Volumes and Losses Data</b>				Engineer : Carissa Thompson / Fius Siregar			
Available	208.6m <sup>3</sup>	Losses	37.7m <sup>3</sup>	Equip.	Descr.	Mesh Size	Hours
Active	77.9m <sup>3</sup>	Downhole		Centrifuge 1	MI SW FVS 518		10
Mixing	0.0m <sup>3</sup>	Surf+ Equip	1.1m <sup>3</sup>	Centrifuge 1	MI SW FVS 518		4
Hole	79.7m <sup>3</sup>	Dumped	32.3m <sup>3</sup>	Centrifuge 2	MI SW FVS 518		10
Slug		De-Sander		Centrifuge 2	MI SW FVS 518		4
Reserve		De-Silter		Shaker 3	Bem 650 - MI SW	20 / 20 200 HC x 4	2
Kill		Centrifuge	4.3m <sup>3</sup>	Shaker 3	Bem 650 - MI SW	20 / 20 200 HC x 4	24
Storage	51.0m <sup>3</sup>			Shaker 4	Bem 650 - MI SW	20 / 20 200 HC x 4	2
				Shaker 4	Bem 650 - MI SW	20 / 20 200 HC x 4	24
				Shaker 5	Bem 650 - MI SW	20 / 20 200 HC x 4	2
				Shaker 5	Bem 650 - MI SW	20 / 20 200 HC x 4	16
				Shaker 6	Bem 650 - MI SW	20 / 20 200 HC x 4	2
				Shaker 6	Bem 650 - MI SW	20 / 20 200 HC x 4	16

Marine								Rig Support		
Weather check on 09 Aug 2008 at 24:00										
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Chain out (m)	Tension (mt)
9.3km	28km/h	220.0deg	1012.00bar	8.0C°	1.0m	220.0deg	3sec	1	1382.9	120.20
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments				
0.5deg	0.3deg	1.00m	2.0m	230.0deg	12sec					
Rig Dir.	Ris. Tension	VDL		Comments						
215.0deg	124.74mt	868.18mt								
								2	1382.9	123.83
								3	1399.9	145.15
								4	1376.8	145.15
								5	1410.9	150.14
								6	1421.0	130.18
								7	1410.9	120.20
								8	1414.0	132.00

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip		24:00 hrs 09.08.08	On steam to Portland ETA 06:00 hrs. Pilot booked for 07:00 hrs.	Item	Unit	Quantity
				Fuel	m3	431
				Potable Water	m3	284
				Drill Water	m3	220
				KCl Brine	m3	140
				NaCl Brine	m3	185
				Mud	m3	14
				Cement	mT	43.5
				Barite	mT	84
Gel	mT	59				
Nor Captain	16:30 hrs 08.08.08		Standby Ocean Patriot	Item	Unit	Quantity
				Fuel	m3	413
				Potable Water	m3	315
				Drill Water		193
				Cement	mT	38
				Gel	mT	42
				Barite	mT	28

Helicopter Movement					
Flight #	Time	Destination	Comment	Pax	
GYJ	10:00	Ocean Patriot		4	
GYJ	10:05	Essendon		1	