

From : Bryan Webb / Willie McKay
OIM : Rod Dotson

Well Data

Country	Australia	Measured Depth	2050.0m	Current Hole Size		AFE Cost	\$41,512,831
Field		TVD	1711.0m	Casing OD	244mm	AFE No.	5746043
Drill Contractor	DOGC	Progress	0.0m	Shoe MD	2042.7m	Daily Cost	\$861,515
Rig	Ocean Patriot	Days from spud	49.87	Shoe TVD	1711.0m	Cum Cost	\$48,282,597
Water Depth (LAT)	66.3m	Days on well	10.88	F.I.T. / L.O.T.	/	Planned TD	2627.0m
RT-SL(LAT)	21.5m	Current Op @ 0600	Making up 216 mm (8 1/2") BHA.				
RT-ML	87.8m	Planned Op	Cont M/U 216 mm (8 1/2") BHA. RIH with 216 mm (8 1/2") BHA and tag cement. Drill out cement, plugs, float, shoe and shoe track. Displace mud system to DIF and drill ahead as directed by directional driller taking surveys as required.				
Rig Heading	217.0deg						

Summary of Period 0000 to 2400 Hrs

Set 274 mm (10 3/4") seal assembly. Final setting verification spike not observed.
 Released CHSART from seal assembly and POOH.
 Broke down deep sea express cement plug launcher, 311 mm (12 1/4") BHA and laid out same.
 Conducted drop survey in derrick and inspected blocks and TDS for damage.
 Serviced TDS and repaired oil leak.
 Re-dressed CHSART and RIH to confirm 274 mm (10 3/4") seal assembly had set. Unable to confirm lock ring engagement pressure spike as previously observed. Cameron in Aberdeen confirmed that with current indications that the seal had been set and the lock ring engaged.
 Unlatched CHSART and POOH with same.
 Rigged up to pressure test mud hose, upper and lower IBOP.

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 13 Oct 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	P	WH	0000	0300	3.00	2050.0m	Applied 34.5 MPa, (5,000 psi) with cement unit down through the 127 mm (5") drill pipe to observe indication that the retaining pins had sheared. No indication of shearing observed. Bled pressure off. Closed rams and pressured up annulus through choke line to 34.5 MPa, (5,000 psi) to confirm seal on casing assembly. Good test. Bled pressure off and rigged down high pressure hose. Remove and refit cement hose twice during this operation.
IC	P	PT	0300	0700	4.00	2050.0m	Commenced pressure testing BOP's as follows: Lower Pipe Rams: 1.4 MPa, (200 psi) for 5 min and 27.6 MPa, (4,000 psi) for 10 min. Lower Annular/Outer Choke: 1.4 MPa, (200 psi) for 5 min and 20.7 MPa, (3,000 psi) for 10 min. Lower Annular/Inner Choke: 1.4 MPa, (200 psi) for 5 min and 20.7 MPa, (3,000 psi) for 10 min. Lower Annular/CMV #1 Bottom Side: 1.4 MPa, (200 psi) for 5 min and 20.7 MPa, (3,000 psi) for 10 min. Lower Annular/CMV #2 Bottom Side: 1.4 MPa, (200 psi) for 5 min and 20.7 MPa, (3,000 psi) for 10 min. Changed cement line over to choke side of manifold and lined up same. Lower Annular, Upper Outer Kill, Lower Outer Kill: 1.4 MPa, (200 psi) for 5 min and 34.5 MPa, (5,000 psi) for 10 min. Upper Annular, Lower Inside Kill, Upper Inside Kill. 1.4 MPa, (200 psi) for 5 min and 34.5 MPa, (5,000 psi) for 10 min.
IC	P	HT	0700	0730	0.50	2050.0m	Rigged down chain hoists from deep sea express tool.
IC	P	HT	0730	0800	0.50	2050.0m	Released from seal assembly and POOH. Racked back deep sea express tool, 127 mm, (5") HWDP and racked back in derrick. Laid out 127 mm, (5") HWDP and DP singles.
IC	P	HT	0800	0830	0.50	2050.0m	Broke out and laid down deep sea express tool.
IC	P	HT	0830	0900	0.50	2050.0m	Changed out elevators and bails.
IC	P	HBHA	0900	1500	6.00	2050.0m	Broke down and laid out 311 mm (12 1/4") BHA.
IC	TP	RR	1500	1800	3.00	2050.0m	Conducted inspection of TDS, blocks and travelling system. Carried out drop survey. SIMOPS: Repaired hydraulic leak on TDS, changed out motor alignment cylinder and removed umbilical for PCS hydraulic elevators.
IC	TP (VE)	WH	1800	2230	4.50	2050.0m	Made up CSHART and RIH to 85.05 m to verify that the seal assembly had set as follows:

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
							20:05: Landed out CHSART with 4.45 kdaN(10 klbs). Verified index line. Rotated tool to the right with 2 kNm, (1.5 kft-lbs). Rotated 6 turns to left with 3.4 kNm, (2.5 kft-lbs) torque.
							20:15: Took 4.45 kdaN (10 Klbs) to confirm latch to casing hanger. Sat 4.45 kdaN, (10 klbs) down on tool and held.
							20:20: Lined up cement unit to pump down through TDS. Broke circulation with cement unit to displace air and shut in.
							20:45: Pumped through TDS and staged pressure up to 3.4 MPa, (500 psi) with 0.3 m3, (1.6 bbl). Bled pressure off at rig floor.
							20:55: Sat 13.3 kdaN (30 klbs) down on CHSART and pressured up in stages to 33.1 MPa, (4,800 psi). No tool setting verification pressure spike observed on chart.
							21:20: Bled pressure off and closed LPR on BOP's.
							21:40: Pressured up through Lower Kill line to 27.6 MPa, (4,000 psi) with cement unit and re-set CHSART.
							21:55: Opened LPR and pressured down through TDS to 33.1 MPa, (4,800 psi). Bled off pressure.
							22:05: Opened LFS and broke circulation. Closed LPR and pressured up to 27.6 MPa (4,000 psi) with cement unit to re-set CHSART. Bled pressure off and opened LPR.
							22:20: Rotated CHSART 6 turns at neutral weight to retract CHSART slips.
IC	TP (VE)	WH	2230	2330	1.00	2050.0m	POOH with CHSART and laid down. Broke off 1 127 mm (5") HWDP single and laid out.
IC	P	PT	2330	2400	0.50	2050.0m	Commenced rigging up to pressure test mud hose, upper and lower IBOP.
							SIMOPS: Pressure tested 2 x TIW valves and 1 x IBOP: 1.7 MPa, (250 psi) for 5 min and 34.5 MPa, (5,000 PSI) for 10 min. Upper Pipe Ram and Choke Manifold Valve No #2: No test. Upper Pipe Ram and Choke Manifold Valve No #4: .4 MPa, (200 psi) for 5 min and 27.6 MPa, (4,000 psi) for 10 min.

Operations For Period 0000 Hrs to 0600 Hrs on 14 Oct 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IC	P	PT	0000	0030	0.50	2050.0m	Continued rigging up to pressure test surface equipment.
IC	P	PT	0030	0200	1.50	2050.0m	Conducted pressure tests on mud hose, lower IBOP to 1.7 MPa, (250 psi) for 5 min and 34.5 MPa, (5,000 psi) for 10 min.
PH	TP (RE)	PT	0200	0330	1.50	2050.0m	Unable to obtain test on upper IBOP. Filled with grease. Tested again with mud (250 psi) for 5 min and 34.5 MPa, (5,000 psi) for 10 min.
IC	TP (OTH)	CRN	0330	0400	0.50	2050.0m	Align motor trunion on TDS with enerpac as remedial work following TDS/ Stabber incident.
IC	P	PT	0400	0430	0.50	2050.0m	Rigged down pressure testing equipment.
IC	P	HBHA	0430	0600	1.50	2050.0m	Commenced picking up 216 mm (8 1/2") BHA from deck and made up as directed by directional driller.

WBM Data				Cost Today \$ 65274					
Mud Type:	DIF	API FL:	3cm ³ /30m	KCl:		Solids:	3.47	Viscosity:	0sec/L
Sample-From:	Pit	Filter-Cake:	1mm	Hard/Ca:	280	H2O:	97%	PV:	0.014Pa/s
Time:	20:00	HTHP-FL:		MBT:	1.2	Oil:		YP:	0.115MPa
Weight:	1.20sg	HTHP-Cake:		PM:	0.1	Sand:		Gels 10s:	0.048
Temp:	49.0C°			PF:		pH:	8.5	Gels 10m:	0.067
						PHPA:	1ppb	Fann 003:	8
								Fann 006:	10
								Fann 100:	25
								Fann 200:	33
								Fann 300:	38
								Fann 600:	52

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	10.8	0	384.3	
Potable Water	m3	31	24	0	334.0	
Drill Water	m3	0	78	0	421.0	

Personnel On Board		
Company	Comment	Pax
Santos		6
DOGC		54
ESS		8
BHI		6
Dowell		2
Rheochem		2
MI Swaco		1
TMT		6
Cameron		2
Schlumberger Drilling & Measurements	Directional	5
Premium Casing Services		4
Total		96

HSE Summary				
Events	Num Events	Date of Last	Days Since	Remarks
Abandon Drill	1	12 Oct 2008	1 Day	Abandon drill completed after the simulated fire drill under control. A full muster was achieved in 6 minutes.
Environmental Audit	1	03 Sep 2008	40 Days	Rig visit by DPI. Conducted an environmental audit on Santos operation.
Fire Drill	1	05 Oct 2008	8 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	09 Oct 2008	4 Days	IP turned his left foot while entering the shaker house.
JHA	35	13 Oct 2008	0 Days	Drill crew - 17 Deck Crew - 8 Welder - 6 Mechanic - 3 Electrician - 0 3rd Party - 1 Subsea-0
Lost Time Incident	1	30 May 2008	136 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	61 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.
Pre-Tour Meeting	4	13 Oct 2008	0 Days	Discussed the next 24 hr operation. Backloading boats. Cleaning sand traps. Making up 8 1/2" BHA. Deck crew reminded to maintain focus as they are on their last shift before going home.
PTW Issued	15	13 Oct 2008	0 Days	9 x hot work 6 x cold work
Safety Audit	1	29 Jul 2008	76 Days	Santos environment audit conducted.
Safety Audit	1	30 Jul 2008	75 Days	EHSMS audit conducted onboard.
Safety Meeting	3	12 Oct 2008	1 Day	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	08 Oct 2008	5 Days	Inducted new personnel to site after DODI rig wide induction.
Stop Observations	56	13 Oct 2008	0 Days	29 - Safe 27 - Corrective Actions
STOP Tour	1	13 Oct 2008	0 Days	Submitted by Diamond supervisor Stop audit.

Shakers, Volumes and Losses Data				Engineer : Julian Chapman / Carissa Thompson			
Available	376.5m ³	Losses	77.4m ³	Equip.	Descr.	Mesh Size	Hours
Active	45.0m ³	Downhole		Centrifuge 1	MI SW FVS 518		
Mixing		Surf+ Equip	0.0m ³	Centrifuge 1	MI SW FVS 518		
Hole	91.9m ³	Dumped	77.4m ³	Centrifuge 2	MI SW FVS 518		
Slug	0.0m ³	De-Sander		Centrifuge 2	MI SW FVS 518		
Reserve	17.2m ³	De-Silter		Shaker 3	MI SW - BEM 650	40/20 230 HC x 4	4
Kill	0.0m ³	Centrifuge		Shaker 3	MI SW - BEM 650	40/20 230 HC x 4	
Storage	222.4m ³			Shaker 4	MI SW - BEM 650	30/20 200 HC x 4	4
				Shaker 4	MI SW - BEM 650	30/20 200 HC x 4	
				Shaker 5	MI SW - BEM 650	30/20 200 HC x 4	4
				Shaker 5	MI SW - BEM 650	30/20 200 HC x 4	
				Shaker 6	MI SW - BEM 650	40/20 165 HC x 4	4
				Shaker 6	MI SW - BEM 650	40/20 165 HC x 4	

Marine								Rig Support		
Weather check on 13 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	19km/h	220.0deg	1016.00bar	14.0C°	0.5m	220.0deg	3sec	1	1353.0	130.18
Roll	Pitch	Heave	Swell Height	Swell Dir.	Swell Period	Weather Comments				
0.6deg	0.4deg	0.80m	3.5m	225.0deg	12sec					
Rig Dir.	Ris. Tension	VDL	Comments							
217.0deg	110.22mt	916.71mt								
								8	1389.9	107.96

Boats	Arrived (date/time)	Departed (date/time)	Status	Bulks		
Far Grip			Running Standby.	Item	Unit	Quantity
				Fuel	m3	489
				Potable Water	m3	202
				Drill Water	m3	615
				Gel	mt	59
				Cement	mt	84
				Barite	mt	41
				KCl Brine	bbl	52
				NaCl Brine	bbl	0
Nor Captain			Enroute To Portland. ETA: 07:00, 14/10/2008.	Item	Unit	Quantity
				Fuel	m3	542
				Potable Water	m3	363
				Drill Water	m3	319
				Gel	mt	42
				Cement	mt	0
				Barite	mt	0
				KCl Brine	bbl	0
				NaCl Brine	bbl	0

Helicopter Movement					
Flight #	Time	Destination	Comment	Pax	
BYV	13:26	Essendon		4	
BYV	13:36	Ocean Patriot		5	