



05 Sep 2009

From: Tim Lee / Kevin Monkhouse
To: Iain Robertson

Well Data							
Country	Australia	MDBRT	155.0 m	Cur. Hole Size	36.000 in	AFE Cost	AUD 24,270,065
Field	Spikey Beach	TVDBRT	155.0 m	Last Casing OD	in	AFE No.	09/036
Drill Co.	Diamond Offshore	Progress	58.00 m	Shoe TVDBRT	m	Daily Cost	AUD 650,000
Rig	Ocean Patriot (semi)	Days From Spud	0.00	Shoe MDBRT	m	Cum Cost	AUD 3,556,000
Wtr Depth (MSL)	74 m	Days On Well	3.48	FIT/LOT	sg / sg		
Datum	21.50 m RT MSL	Planned TD MD	2,062 m	Current Op @ 0600	Run 30in casing to 33m		
RT To Seabed	95.5 m	Planned TD TVDRT	2,062 m	Planned Op	Continue to run 30in casing. Circulate & cement casing. POOH with RT. P/U drill pipe. M/U 17½in BHA.		

Summary of Period 0000 to 2400 Hrs
Ran anchors #3. Repaired starboard crane. Ran anchor #6. Began to ballast rig down. Ran anchor #2. Completed rig ballast down to drilling draft. Prepared for spud. Ran in and drilled top hole . Sweeped 150bbl PHG pill. Wiper trip

HSE Summary					
Events	Num. Events	Days Since	Description	Remarks	
Incident	1	2	Dropped tow bridle.	Deployment/recovery wire for tow bridle parted, dropping tow bridle/fishplate into water. Bridle remains suspended between pontoons. No injuries.	
Days Since LTI	0	1,003			
STOP Card	67	0	Safe 44 Unsafe 23	DODI 45 Third Party 12 ADA 3 Catering 7	
JSA	38	0		Drill 10 Trip 7 Pump Room 5 Crane Crew 18 Mechanic 5 Electrician 3 Welder 6 Subsea 0	
Permit To Work	21	1	Hot 9 Cold 11		
Safety Meeting	0	2			
Abandon Drill	0	7			
Fire Drill	0	7			

Operations For Period 0000 Hrs to 2400 Hrs On 05 Sep 2009							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P1	P	M4	00:00	00:30	0.50	m	Swift returned to rig with #3 Pennant
P1	TP (RE)	M4	00:30	02:30	2.00	m	Starboard crane thermostat failed. Unable to recover #3 Pennant from Swift.
P1	P	M4	02:30	04:45	2.25	m	Deployed Anchors 02:54... #3 Pennant back on rig 03:18... #6 Pennant passed to Swift 03:54... #6 Anchor on bottom 04:36... #6 Pennant back at rig
P1	P	M4	04:45	06:15	1.50	m	04:45... Adjust anchor winches to position rig over well centre 06:15... Complete cross tension on anchors #1 and #5
P1	P	M3	06:15	08:45	2.50	m	Ballasted rig down to drilling draft



Operations For Period 0000 Hrs to 2400 Hrs On 05 Sep 2009

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P1	P	M4	08:45	10:30	1.75	m	Deployed Anchors 08:55... #2 Pennant passed to Swift 09:17... #2 Anchor at Swift stern roller 09:36... #2 Anchor on bottom 10:19... #2 Pennant back on rig
P1	P	M3	10:30	11:30	1.00	m	Continued to ballast down rig
P4	P	G6	11:30	17:30	6.00	m	Picked up and racked back 5 stands of 5in DP. 2 Stands of 5in HWDP. 2 Stands of 8in DCs. Made up cement stand and racked back. Made up 30in RT to stand of 5in DP and racked back.
P4	P	G6	17:30	20:30	3.00	m	Picked up and made up 26in bit, 36in hole opener, float sub and Anderdrift tool. Made up to DCs and RIH
P4	P	G23	20:30	20:45	0.25	m	Held shallow gas JSA on Drill floor prior to spud in
P4	P	E5	20:45	21:00	0.25	m	Filled pipe. Tagged sea bed at 95.5mRT MSL (Tide Corrected). Calibrated loggers instrumentation. Tested survey with Anderdrift tool above sea bed. 0deg
P4	P	D2	21:00	23:00	2.00	155.0 m	Spudded well from 95.5m to 155mRT MSL. Spudded first 4m with 300gpm 0-2k wob. Continued drilling ahead slowly buiding flow from 300gpm to 1000gpm. WOB from 2k to 5k. RPM from 40 to 70. Pumped 2 x 100bbl PHG pills per stad. Took Anderdrift survey on connections
P4	P	F4	23:00	23:30	0.50	155.0 m	Pumped 150bbl PHG sweep. Took Anderdrift survey on bottom (0deg).
P4	P	G8	23:30	24:00	0.50	155.0 m	Performed wiper trip to 109m

Operations For Period 0000 Hrs to 0600 Hrs On 06 Sep 2009

PHSE	CLS (RC)	OP	From	To	Hrs	Depth	Activity Description
P4	P	G8	00:00	00:30	0.50	155.0 m	RIH. No hole problems. Tagged fill (1.5m). Washed fill to bottom at 157.3m
P4	P	F4	00:30	01:00	0.50	155.0 m	Circulated 2 x hole volumes of PHG mud (480bbl)
P4	P	G8	01:00	03:30	2.50	155.0 m	POOH. Racked BHA. Laid out bit, hole opener, Anderdrift and float sub.
P5	P	G1	03:30	04:15	0.75	155.0 m	Rigged up to run 30in casing
P5	P	G23	04:15	04:30	0.25	155.0 m	Held pre job JSA on runing casing
P5	P	G9	04:30	06:00	1.50	155.0 m	Picked up shoe, checked flow through float valve. Continued to make 30in intermediate joints to 33m

Phase Data to 2400hrs, 05 Sep 2009

Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Mob(P1)	71.00	02 Sep 2009	05 Sep 2009	71.00	2.958	
Surface Hole(P4)	12.50	05 Sep 2009	05 Sep 2009	83.50	3.479	155.0 m

General Comments

00:00 TO 24:00 Hrs ON 05 Sep 2009

Operational Comments	Rig location at Spud in:... Latitude - 40deg 28' 53.875"S ... Longitude - 145deg 52' 24.704" E
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WBM Data Cost Today AUD

Mud Type:	Water Based	API FL:	cm³/30min	Cl:	mg/L	Solids:	%	Viscosity	100 s/qt
Sample-From:	Pit 4	Filter-Cake:	/32nd"	K+C*1000:	%	Low-Gravity	%vol	PV	cP
Time:	21:00	HTHP-FL:	cm³/30min	Hard/Ca:	mg/L	Solids:		YP	lbf/100ft²
Weight:	8.80 ppg	HTHP-cake:	/32nd"	MBT:	30.0	H2O:	%	Gels 10s	lbf/100ft²
Temp:	°C			Pm:		Oil:	%	Gels 10m	lbf/100ft²
				Pf:		Sand:		Fann 003	
						pH:	9.5	Fann 006	
						PHPA:	ppb	Fann 100	
						PHPA(Density):	kg/m³	Fann 200	
								Fann 300	
								Fann 600	

Comment



Bit #1				Wear	I	O1	D	L	B	G	O2	R
					0	0	NO	A	0	I		TD
Bit wear comment:												
Size ("):	660 mm (26")	IADC#	111	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	Hughes	WOB(avg)	2.40 klb	No.	Size	Progress	58.0 m	Cum. Progress		58.0 m		
Type:	Milled Tooth	RPM(avg)	55 rpm	1	16/32nd"	On Bottom Hrs	1.7 h	Cum. On Btm Hrs		1.7 h		
Serial No.:	6076124	F.Rate	587 gpm	3	20/32nd"	IADC Drill Hrs	2.0 h	Cum IADC Drill Hrs		2.0 h		
Bit Model	CR1	SPP	660 psi				Total Revs	Cum Total Revs		0		
Depth In	99.0 m	HSI	hp/in ²				ROP(avg)	34.12 m/h	ROP(avg)		34.12 m/h	
Depth Out	157.3 m	TFA	0.001 m ²									
Bit Comment												

BHA #1												
Weight(Wet)	50.00 klb	Length	149.1 m	Torque(max)	3,500 ft.lbf	D.C. (1) Ann Velocity	25 ft/min					
Wt Below Jar(Wet)	klb	String Weight	50.00 klb	Torque(Off.Btm)	200 ft.lbf	D.C. (2) Ann Velocity	23 ft/min					
		Pick-Up Weight	50.00 klb	Torque(On.Btm)	1,800 ft.lbf	H.W.D.P. Ann Velocity	22 ft/min					
		Slack-Off Weight	50.00 klb			D.P. Ann Velocity	22 ft/min					
BHA Run Description		Top Hole Rotary Assembly with Anderdrift tool										
BHA Run Comment		26in Bit with 36in Hole Opener										

Equipment	Length	OD	ID	Serial #	Comment
Bit	0.59 m	26.00 in	in	6076124	Mill tooth Tricone bit. 3x20, 1x16 nozzles 4x20 Nzzles
Hole Opener	2.77 m	36.00 in	in	203A3	
Bit Sub	0.93 m	9.56 in	3.06 in	186-0063	
Anderdrift	2.86 m	9.44 in	3.06 in	ADB954	
9 1/2 drill collars	28.43 m	9.56 in	3.19 in		
X/Over	1.09 m	9.50 in	3.00 in	508A360	
8in DC	55.89 m	8.00 in	2.88 in		
X/Over	1.16 m	8.00 in	2.81 in	508A33	
HWDP	56.51 m	5.00 in	3.00 in		

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
Barite	MT	0.0	6.0	0.0	57.00	
Bentonite	MT	0.0	24.0	0.0	27.00	
Cement - G Neat	MT	0.0	0.0	0.0	103.00	
Fuel	M3	0.0	9.7	0.0	433.00	
Potable Water	m3	9.0	20.0	0.0	321.00	
Drill Water	m3	21.0	232.0	0.0	282.00	

Pumps												
Pump Data - Last 24 Hrs									Slow Pump Data			
No.	Type	Liner (in)	MW (ppg)	Eff (%)	SPM	SPP (psi)	Flow (gpm)	Depth (m)	Check	SPM	Pressure ()	Flow ()
1	National	6.00	8.80	97	77	1,150	329					
2	National	6.00	8.80	97	77	1,150	329					
3	National	6.00	8.80	97	76	1,150	325					



Personnel On Board	
Company	Pax
Diamond Offshore	43
Diamond Offshore	12
Catering	8
ADA Services	5
Cameron	1
Dowell Schlumberger	3
Schlumberger (Wireline)	0
MI Drilling Fluids	2
BJ Tubulars	3
Subsea 7	6
Other Contractor	2
Go Offshore	1
Baker Hughes Inteq	2
Total	88

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer :			
Available	462.0	Losses	238.0	Equipment	Description	Mesh Size	Comments
Active	462.0 bbl	Downhole	238.0 bbl				
Mixing		Surf+ Equip					
Hole		Dumped					
Slug		De-Gasser					
Reserve		De-Sander					
Kill		De-Silter					
		Centrifuge					

Marine								Rig Support	
Weather on 05 Sep 2009									
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Frequency	Anchor	Tension
10.0 NM	20 kn	293.0 °	1,014.0 mbar	13 °C	1.5 m	293.0 °	2 s	#1 Anchor	265.00 klb
								#2 Anchor	225.00 klb
								#3 Anchor	116.00 klb
								#4 Anchor	98.00 klb
								#5 Anchor	220.00 klb
								#6 Anchor	214.00 klb
								#7 Anchor	223.00 klb
								#8 Anchor	243.00 klb



Support Vessels										
Boats	Arrived Time	Departed Time	Status	Bulks						
Lewek Emerald	02 Sep 2009 12:30	04 Sep 2009 20:20	In transit to Geelong	Item	Unit	In	Used	Transfer to Rig	Adjust	Quantity
				Cement - G Neat (MT)	MT	0.0	0.0	0.00	0.0	87
Barite (MT)	MT	0.0	0.0	0.00	0.0	75				
Bentonite Bulk (MT)	MT	0.0	0.0	0.00	0.0	43				
Brine (bbl)	bbl	0.0	0.0	0.00	0.0	462				
Fuel (M3)	M3	0.0	0.0	0.00	0.0	200.5				
Potable Water (m3)	m3	0.0	0.0	0.00	0.0	185				
Drill Water (m3)	m3	0.0	0.0	0.00	0.0	198				
Lewek Swift	02 Sep 2009 12:30		Stand by on Rig	Item	Unit	In	Used	Transfer to Rig	Adjust	Quantity
Bentonite Bulk (MT)	MT	0.0	0.0	0.00	0.0	25				
Fuel (M3)	M3	0.0	18.0	0.00	0.0	263.8				
Potable Water (m3)	m3	0.0	4.0	0.00	0.0	454				
Drill Water (m3)	m3	0.0	0.0	0.00	0.0	335				
Brine (bbl)	bbl	0.0	0.0	0.00	0.0	1564				

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	Bristow Helicopters	09:35 / 09:45	8/ 4	