



13 Sep 2009

From: Tim Lee / Kevin Monkhouse
To: Iain Robertson

Well Data							
Country	Australia	MDBRT	2,100.0 m	Cur. Hole Size	12.250 in	AFE Cost	AUD 24,270,065
Field	Spikey Beach	TVDBRT	2,100.0 m	Last Casing OD	13.375 in	AFE No.	09/036
Drill Co.	Diamond Offshore	Progress	93.00 m	Shoe TVDBRT	805.8 m	Daily Cost	AUD 770,849
Rig	Ocean Patriot (semi)	Days From Spud	8.13	Shoe MDBRT	805.8 m	Cum Cost	AUD 9,997,707
Wtr Depth (MSL)	74 m	Days On Well	11.48	FIT/LOT	sg / 1.47 sg		
Datum	21.50 m RT MSL	Planned TD MD	2,062 m	Current Op @ 0600	Making up 2 7/8in cement stinger to 78m		
RT To Seabed	95.5 m	Planned TD TVDRT	2,062 m	Planned Op	RIH and set P&A cement plugs #1, #2 and #3		

Summary of Period 0000 to 2400 Hrs
 Drilled 12.25in hole from 1907m to 2100m. Circulated well clean. POOH to 1606m. Re-logged interval 1606m to 1540m. POOH layed out DCs. Downloaded Schlumberger and rack back tools.

HSE Summary					
Events	Num. Events	Days Since	Description	Remarks	
Incident	0	6			
Days Since LTI	0	1,011			
STOP Card	67	0	Safe 42 Unsafe 25	DODI 51 Third Party 11 ADA 2 Catering 3	
JSA	47	0		Drill 4 Trip 13 Pump Room 2 Crane Crew 17 Mechanic 4 Electrician 1 Welder 5 Subsea 1	
Permit To Work	21	0	Hot 5 Cold 9		
Safety Meeting	1	0			
Abandon Drill	1	1			
Fire Drill	1	1			
JHA/HSE Audit	1	1	Supervisor Audit		

Operations For Period 0000 Hrs to 2400 Hrs On 13 Sep 2009							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P11	P	D2	00:00	09:00	9.00	2,100.0 m	Drilled 12.25in hole from 1907m to 2100m at controlled ROP of up to 40 mtr/hr to allow accurate sample analysis. Took MWD survey every 90m. WOB: 5-10kibs, 920gpm, 3200psi, 150 rpm, 3-15kft-lb torq (Max 26kft-lbs and string stalling in ratty formation).
P11	P	F4	09:00	11:00	2.00	2,100.0 m	Pumped 200bbl hi vis sweep and circulated well clean.
P11	P	G8	11:00	12:30	1.50	2,100.0 m	Flow checked well 10mins. Well static. POOH from 2100m to 1606m. No hole problems.
P11	P	M7	12:30	14:00	1.50	2,100.0 m	Re logged with Schlumberger LWD from 1606m to 1540m.
P11	P	G8	14:00	17:00	3.00	2,100.0 m	Pumped slug and POOH from 1540m to 213m. No hole problems.
P11	P	G6	17:00	20:00	3.00	2,100.0 m	Racked back 1 std of HWDP and 1 std of 8in DCs. Laid out 3 x 5in HWDP, 8 x 8in DCs and Drilling Jars.
P11	P	G6	20:00	20:30	0.50	2,100.0 m	Removed radioactive source from Schlumberger ADN tool



Operations For Period 0000 Hrs to 2400 Hrs On 13 Sep 2009							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P11	P	G6	20:30	24:00	3.50	2,100.0 m	Cranes shut down due to high winds. Racked back Schlumberger LWD tools in derrick. Downloaded tools.

Operations For Period 0000 Hrs to 0600 Hrs On 14 Sep 2009							
PHSE	CLS (RC)	OP	From	To	Hrs	Depth	Activity Description
P11	P	G6	00:00	00:30	0.50	2,100.0 m	Broke off bit (1-1-CT-N-X-1-ER-TD). Racked back mud motor in derrick on double of DP. (Bearing play in motor 5mm)
P21	P	G6	00:30	01:30	1.00	2,100.0 m	Made up cementing stand and stood back in derrick.
P21	P	G6	01:30	02:00	0.50	2,100.0 m	Prepared to run 2 7/8in tubing cement stinger.
P21	P	G2	02:00	04:30	2.50	2,100.0 m	Wind dropped below 40knts allowing cranes to resume work. Layed out Schlumberger MWD/LWD tools and mud motor.
P21	P	G2	04:30	06:00	1.50	2,100.0 m	Rigged up 2 7/8in stinger handling equipment and made up 8 joints of 2 7/8in cement stinger to 78m

Phase Data to 2400hrs, 13 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	
Conductor Hole(P2)	16.00	05 Sep 2009	06 Sep 2009	87.00	3.625	155.0 m
Conductor Casing(P3)	15.50	06 Sep 2009	06 Sep 2009	102.50	4.271	155.0 m
Surface Hole(P4)	50.50	06 Sep 2009	08 Sep 2009	153.00	6.375	816.0 m
Surface Casing(P5)	20.00	08 Sep 2009	09 Sep 2009	173.00	7.208	816.0 m
BOPs/Risers(P6)	24.50	09 Sep 2009	10 Sep 2009	197.50	8.229	816.0 m
Production Hole (1)(P11)	78.00	10 Sep 2009	13 Sep 2009	275.50	11.479	2,100.0 m

General Comments	
00:00 TO 24:00 Hrs ON 13 Sep 2009	
Operational Comments	Crane operations suspended 22:00hr to 02:00hrs due to high winds. Fire and abandon drill conducted. Weekly safety meetings.

WBM Data		Cost Today AUD13,893							
Mud Type:	Water Based	API FL:	4.5 cm ³ /30min	Cl:	50,000 mg/L	Solids:	10 %	Viscosity	55 s/qt
Sample-From:	Active	Filter-Cake:	1 /32nd"	K+C*1000:	9 %	Low-Gravity	%vol	PV	16 cP
Time:	08:00	HTHP-FL:	cm ³ /30min	Hard/Ca:	400 mg/L	Solids:		YP	34 lbf/100ft ²
Weight:	10.10 ppg	HTHP-cake:	/32nd"	MBT:	4.0	H2O:	90 %	Gels 10s	9 lbf/100ft ²
Temp:	°C			Pm:	1.0	Oil:	0 %	Gels 10m	15 lbf/100ft ²
				Pf:	0.4	Sand:	.5	Fann 003	8
						pH:	9.5	Fann 006	11
						PHPA(Density):	kg/m ³	Fann 100	31
								Fann 200	41
								Fann 300	50
								Fann 600	66
Comment									

WBM Data		Cost Today AUD							
Mud Type:	Water Based	API FL:	4.5 cm ³ /30min	Cl:	50,000 mg/L	Solids:	10 %	Viscosity	54 s/qt
Sample-From:	Active	Filter-Cake:	1 /32nd"	K+C*1000:	9 %	Low-Gravity	%vol	PV	16 cP
Time:	14:00	HTHP-FL:	cm ³ /30min	Hard/Ca:	400 mg/L	Solids:		YP	36 lbf/100ft ²
Weight:	10.10 ppg	HTHP-cake:	/32nd"	MBT:	4.0	H2O:	90 %	Gels 10s	10 lbf/100ft ²
Temp:	°C			Pm:	1.0	Oil:	0 %	Gels 10m	15 lbf/100ft ²
				Pf:	0.5	Sand:	.5	Fann 003	9
						pH:	9.5	Fann 006	12
						PHPA(Density):	kg/m ³	Fann 100	33
								Fann 200	43
								Fann 300	52
								Fann 600	68
Comment									



Bit #3	Wear	I	O1	D	L	B	G	O2	R
		1	1	CT	N	X	1	ER	TD
Bit wear comment:									
Size ("): 311 mm (12 1/4")	IADC#	M323	Nozzles		Drilled over last 24 hrs		Calculated over Bit Run		
Mfr:Baker Huges Chistensen	WOB(avg)	10.10 klb	No.	Size	Progress	93.0 m	Cum. Progress	1,184.0 m	
Type: PDC	RPM(avg)	155 rpm	6	15/32nd"	On Bottom Hrs	6.2 h	Cum. On Btm Hrs	35.8 h	
Serial No.: 7012700	F.Rate	912 gpm			IADC Drill Hrs	10.0 h	Cum IADC Drill Hrs	48.8 h	
Bit Model HCM506ZX	SPP	3,340 psi			Total Revs	94,400	Cum Total Revs	548,000	
Depth In 816.0 m	HSI	2.70 hp/in ²			ROP(avg)	15.00 m/h	ROP(avg)	33.07 m/h	
Depth Out 2,100.0 m	TFA	0.001 m ²							
Bit Comment									

BHA #3							
Weight(Wet)	80.00 klb	Length	213.9 m	Torque(max)	19,500 ft.lbf	D.C. (1) Ann Velocity	260 ft/min
Wt Below Jar(Wet)	58.00 klb	String Weight	310.00 klb	Torque(Off.Btm)	3,000 ft.lbf	D.C. (2) Ann Velocity	260 ft/min
		Pick-Up Weight	310.00 klb	Torque(On.Btm)	7,700 ft.lbf	H.W.D.P. Ann Velocity	179 ft/min
		Slack-Off Weight	310.00 klb			D.P. Ann Velocity	179 ft/min
BHA Run Description		Mud Motor Logging Assembly					
BHA Run Comment		Well TD					

Equipment	Length	OD	ID	Serial #	Comment
12 1/4" bit	0.38 m	12.25 in	in	7012700	PDC bit
A625 Mud Motor	11.32 m	9.63 in	in	5954	
12 1/4in stab	1.82 m	8.25 in	2.81 in	207A189	
ARC8	6.24 m	8.25 in	in	1216	
Telescope 825NF	8.96 m	8.19 in	in	ZH22	
sonicVISION 825	7.71 m	8.11 in	in	42784	
ADN-8 w/12" stabiliser	9.18 m	8.38 in	in	43225	
8in DC	72.79 m	8.25 in	2.81 in		
Drilling Jars	9.78 m	8.25 in	2.81 in	101663H	
8in DC	28.01 m	8.25 in	2.81 in		
X/Over	1.16 m	8.00 in	3.00 in	508A33	
HWDP	56.51 m	in	in		

Survey								
MD (m)	Incl (°)	Azim (°)	TVD (m)	Vsect (m)	N/S (m)	E/W (m)	DLS (deg/30m)	Tool Type
1,858.33	0.3	65.2	1,858.29	1.2	1.2	7.6	0.1	Telescope 825NF
1,913.35	0.5	64.2	1,913.31	1.0	1.0	8.1	0.1	Telescope 825NF
1,941.91	0.5	69.2	1,941.87	1.1	1.1	8.3	0.0	Telescope 825NF
2,028.47	0.6	92.2	2,028.43	1.2	1.2	9.1	0.1	Telescope 825NF
2,076.18	0.7	87.1	2,076.13	1.2	1.2	9.6	0.1	Telescope 825NF

Bulk Stocks					
Name	Unit	In	Used	Adjust	Balance
Barite	MT	0.0	28.0	0.0	42.00
Bentonite	MT	0.0	0.0	0.0	54.00
Cement - G Neat	MT	27.0	0.0	0.0	102.00
Fuel	M3	0.0	19.5	0.0	523.90
Potable Water	m3	32.0	22.0	0.0	357.00
Drill Water	m3	0.0	36.0	0.0	306.00



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 (psi)	Flow (gpm)
1	National	6.00	10.00	97	107	3,340	458	2,100.0		30	260	128
										40	340	170
										20	230	85
2	National	6.00	10.00	97	0	0	0					
3	National	6.00	10.00	97	106	3,340	453	2,100.0		40	320	170
										30	260	128
										20	220	85

Personnel On Board	
Company	Pax
Diamond Offshore	55
Catering	8
ADA Services	4
Cameron	0
Dowell Schlumberger	2
Schlumberger MWD/LWD	2
MI Drilling Fluids	2
BJ Tubulars	0
Subsea 7	3
Go Offshore	0
Baker Hughes Inteq	6
Beach Petroleum Ltd	2
Schlumberger DD	0
Schlumberger - Wireline	0
Total	84

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Manfred Olejniczak			
Available	Losses	Equipment	Description	Mesh Size	Comments		
1,233.0	324.0						
Active 398.0 bbl	Downhole 21.0 bbl						
Mixing	Surf+ Equip 303.0 bbl						
Hole	Dumped						
Slug	De-Gasser						
Reserve 835.0 bbl	De-Sander						
Kill	De-Silter						
	Centrifuge						

Marine									
Weather on 13 Sep 2009							Rig Support		
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Frequency	Anchors	Tension
8.0 NM	37 kn	250.0 °	1,013.0 mbar	13 °C	3.0 m	250.0 °	5 s	#1 Anchor	278.00 klb
								#2 Anchor	275.00 klb
								#3 Anchor	254.00 klb
								#4 Anchor	231.00 klb
								#5 Anchor	231.00 klb
								#6 Anchor	223.00 klb
								#7 Anchor	276.00 klb
								#8 Anchor	271.00 klb



Support Vessels										
Boats	Arrived Time	Departed Time	Status	Bulks						
Lewek Emerald	10 Sep 2009 03:20	13 Sep 2009 12:30	Stand by on rig	Item	Unit	In	Used	Transfer to Rig	Adjust	Quantity
				Cement - G Neat (MT)	MT	0.0	0.0	0.00	0.0	0
Barite (MT)	MT	0.0	0.0	0.00	0.0	0				
Bentonite Bulk (MT)	MT	0.0	0.0	0.00	0.0	0				
Brine (bbl)	bbl	0.0	0.0	0.00	0.0	0				
Fuel (M3)	M3	0.0	0.0	0.00	0.0	430				
Potable Water (m3)	m3	0.0	0.0	0.00	0.0	95				
Drill Water (m3)	m3	0.0	0.0	0.00	0.0	0				
Lewek Swift	13 Sep 2009 06:30		Standby on rig location	Item	Unit	In	Used	Transfer to Rig	Adjust	Quantity
Bentonite Bulk (MT)	MT	0.0	0.0	0.00	0.0	0				
Fuel (M3)	M3	0.0	17.4	0.00	0.0	585.2				
Potable Water (m3)	m3	0.0	7.0	0.00	0.0	470				
Drill Water (m3)	m3	0.0	0.0	0.00	0.0	215				
Brine (bbl)	bbl	0.0	0.0	0.00	0.0	491				

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	Bristow Helicopters	11:55 / 12:05	0/ 10	