



**08 Sep 2009**

**From:** Tim Lee / Kevin Monkhouse  
**To:** Iain Robertson

Well Data							
Country	Australia	MDBRT	816.0 m	Cur. Hole Size	17.500 in	AFE Cost	AUD 24,270,065
Field	Spikey Beach	TVDBRT	816.0 m	Last Casing OD	30.000 in	AFE No.	09/036
Drill Co.	Diamond Offshore	Progress	616.00 m	Shoe TVDBRT	151.4 m	Daily Cost	AUD 710,000
Rig	Ocean Patriot (semi)	Days From Spud	0.00	Shoe MDBRT	151.4 m	Cum Cost	AUD 5,944,000
Wtr Depth (MSL)	74 m	Days On Well	6.48	FIT/LOT	sg / sg		
Datum	21.50 m RT MSL	Planned TD MD	2,062 m	Current Op @ 0600	Rigging down and laying out 500t bails, elevators, fill tool.		
RT To Seabed	95.5 m	Planned TD TVDRT	2,062 m	Planned Op	Run & land 13.375in casing. Cement casing. POOH and run BOP.		

Summary of Period 0000 to 2400 Hrs
Drilled 17.5in hole from 200m to 816m. Circulated clean and displaced well to mud. POOH and rigged up to run 13.375in casing. Made up shoe track

HSE Summary					
Events	Num. Events	Days Since	Description	Remarks	
Incident	0	1			
Days Since LTI	0	1,006			
STOP Card	45	0	Safe 33 Unsafe 12	DODI 33 Third Party 8 ADA 1 Catering 3	
JSA	47	0		Drill 5 Trip 11 Pump Room 5 Crane Crew 18 Mechanic 2 Electrician 0 Welder 6 Subsea 0	
Permit To Work	21	0	Hot 6 Cold 8		
Safety Meeting	0	2			
Abandon Drill	0	3			
Fire Drill	0	3			
JHA/HSE Audit	1	1	Supervisor Audit		

Operations For Period 0000 Hrs to 2400 Hrs On 08 Sep 2009							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P4	P	D2	00:00	13:00	13.00	816.0 m	Drilled 17.5in hole from 200m to 816m. Pump 50bbl PHG sweeps every 15m. Spotted PHG pill around BHA on connections. Took MWD Survey every 90m. 8-20k WOB, 1100gpm 2950psi, 140rpm, 7kft-lbs torq.
P4	P	F4	13:00	15:00	2.00	816.0 m	Took final survey 0.18deg at 803.60mRT MSL. Circulated 2 x bottoms up. Flow checked with ROV, well was static. Displaced well with 800bbl PHG mud
P4	P	G8	15:00	19:30	4.50	816.0 m	POOH from 816m. Worked through and cleaned tight spots from 725m - 629m, max overpulls 30klbs - 40klbs. Required no pumping or back reaming. From 629m continued to POOH with no issues.
P4	P	G6	19:30	21:30	2.00	816.0 m	Racked back BHA. Laid out Schlumberger MWD/LWD tools. Broke off Hughes GX-C1V (graded 1,1,WT,A,E,In,N,TD). Cleared rig floor of excess equipment
P5	P	G9	21:30	23:00	1.50	816.0 m	Rigged up to run 13.375in casing. Held JSA on drill floor with all involved parties
P5	P	G9	23:00	24:00	1.00	816.0 m	Made up shoe jt to float jt. Tested flow through valves. Bakerlocked joints.



Operations For Period 0000 Hrs to 0600 Hrs On 09 Sep 2009							
PHSE	CLS (RC)	OP	From	To	Hrs	Depth	Activity Description
P5	P	G9	00:00	06:00	6.00	816.0 m	Made up and bakerlocked third joint of casing. Installed centralising ropes to guide lines. Ran 13.375in casing from 32m to 701m (entered well head at 01:15). Broke circulation at 20in conductor shoe. Completed deck check of remaining joints.

Phase Data to 2400hrs, 08 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)	2.50	08 Sep 2009	08 Sep 2009	155.50	6.479	816.0 m

WBM Data										Cost Today AUD13,719		
Mud Type:	Water Based	API FL:	cm <sup>3</sup> /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:	04:00	HTHP-FL:	cm <sup>3</sup> /30min	Hard/Ca:	mg/L	Solids:		YP		lb/100ft <sup>2</sup>		
Weight:	8.80 ppg	HTHP-cake:	/32nd"	MBT:	30.0	H2O:	%	Gels 10s		lb/100ft <sup>2</sup>		
Temp:	°C			Pm:		Oil:	%	Gels 10m		lb/100ft <sup>2</sup>		
				Pf:		Sand:		Fann 003				
						pH:	9.5	Fann 006				
						PHPA(Density):	kg/m <sup>3</sup>	Fann 100				
								Fann 200				
								Fann 300				
								Fann 600				
Comment												

WBM Data										Cost Today AUD		
Mud Type:	Water Based	API FL:	cm <sup>3</sup> /30min	Cl:	mg/L	Solids:	%	Viscosity		100 s/qt		
Sample-From:	Pit 5	Filter-Cake:	/32nd"	K+C*1000:	%	Low-Gravity	%vol	PV		cP		
Time:	08:00	HTHP-FL:	cm <sup>3</sup> /30min	Hard/Ca:	mg/L	Solids:		YP		lb/100ft <sup>2</sup>		
Weight:	8.70 ppg	HTHP-cake:	/32nd"	MBT:	30.0	H2O:	%	Gels 10s		lb/100ft <sup>2</sup>		
Temp:	°C			Pm:		Oil:	%	Gels 10m		lb/100ft <sup>2</sup>		
				Pf:		Sand:		Fann 003				
						pH:	9.0	Fann 006				
						PHPA(Density):	kg/m <sup>3</sup>	Fann 100				
								Fann 200				
								Fann 300				
								Fann 600				
Comment												

WBM Data										Cost Today AUD		
Mud Type:	Water Based	API FL:	cm <sup>3</sup> /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:	12:00	HTHP-FL:	cm <sup>3</sup> /30min	Hard/Ca:	mg/L	Solids:		YP		lb/100ft <sup>2</sup>		
Weight:	8.80 ppg	HTHP-cake:	/32nd"	MBT:	30.0	H2O:	%	Gels 10s		lb/100ft <sup>2</sup>		
Temp:	°C			Pm:		Oil:	%	Gels 10m		lb/100ft <sup>2</sup>		
				Pf:		Sand:		Fann 003				
						pH:	9.5	Fann 006				
						PHPA(Density):	kg/m <sup>3</sup>	Fann 100				
								Fann 200				
								Fann 300				
								Fann 600				
Comment												



<b>Bit #2</b>		Wear	I	O1	D	L	B	G	O2	R
			1	1	WT	A	1	I	NO	TD
<b>Bit wear comment:</b>										
Size ("): 444 mm (17 1/2")	IADC#	115		<b>Nozzles</b>		<b>Drilled over last 24 hrs</b>		<b>Calculated over Bit Run</b>		
MfBHI (Hughes Christensen)	WOB(avg)			No.	Size	Progress	616.0 m	Cum. Progress	661.0 m	
Type: Milled Tooth	RPM(avg)			1	16/32nd"	On Bottom Hrs	8.2 h	Cum. On Btm Hrs	9.2 h	
Serial No.: 6079221	F.Rate			3	18/32nd"	IADC Drill Hrs	13.0 h	Cum IADC Drill Hrs	14.5 h	
Bit Model GX-CIV	SPP					Total Revs	55,600	Cum Total Revs	59,900	
Depth In 155.0 m	HSI	3.37 hp/in <sup>2</sup>				ROP(avg)	75.12 m/h	ROP(avg)	71.85 m/h	
Depth Out 816.0 m	TFA	0.001 m <sup>2</sup>								
Bit Comment										

<b>BHA #2</b>										
Weight(Wet)	75.00 klb	Length	226.6 m	Torque(max)	10,400 ft.lbf	D.C. (1) Ann Velocity	0 ft/min			
Wt Below Jar(Wet)	65.00 klb	String Weight	240.00 klb	Torque(Off.Btm)	1,000 ft.lbf	D.C. (2) Ann Velocity	0 ft/min			
		Pick-Up Weight	240.00 klb	Torque(On.Btm)	4,600 ft.lbf	H.W.D.P. Ann Velocity	0 ft/min			
		Slack-Off Weight	240.00 klb			D.P. Ann Velocity	0 ft/min			
BHA Run Description Rotary drilling assembly with ARC-9 and MWD toolstring										
BHA Run Comment										

Equipment	Length	OD	ID	Serial #	Comment
17 1/2" Bit	0.42 m	17.50 in	in	6079221	Tri-cone mill tooth
NB Stabiliser	2.84 m	in	3.00 in	207A85	17 3/8" Stab with non ported float installed
ARC Tool	6.00 m	10.00 in	3.50 in	4126	
string stabilizer	0.98 m	in	4.25 in	550902164	17 3/8" Stab
PowerPulse MWD	8.22 m	9.06 in	4.25 in	KA-ZA90	
Sonic	8.24 m	in	4.25 in	41250	With 17 3/8 in line stab
String Stabiliser	2.17 m	in	3.00 in	207A211	17 3/8 Stab
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	72.83 m	8.00 in	2.81 in		
Drilling Jars	8.77 m	7.82 in	2.81 in	101663H	
8in DC	28.01 m	8.00 in	2.81 in		
X/O	1.16 m	8.00 in	2.81 in	508A336	
HWDP	56.51 m	in	in		

<b>Survey</b>										
MD	Incl	Azim	TVD	Vsect	N/-S	E/-W	DLS	Tool Type		
(m)	(°)	(°)	(m)	(m)	(m)	(m)	(deg/30m )			
556.06	0.2	278.4								
642.56	0.3	259.6								
727.80	0.3	253.6								
786.24	0.2	243.8								
803.80	0.2	265.1								



Bulk Stocks					
Name	Unit	In	Used	Adjust	Balance
Barite	MT	0.0	15.0	0.0	32.00
Bentonite	MT	0.0	32.0	0.0	37.00
Cement - G Neat	MT	0.0	0.0	0.0	129.00
Fuel	M3	0.0	10.9	0.0	395.10
Potable Water	m3	35.0	30.0	0.0	334.00
Drill Water	m3	160.0	373.0	0.0	300.00

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	82	2,644	350						
2	National	6.00	8.80	97	82	2,644	350						
3	National	6.00	8.80	97	82	2,644	350						

Personnel On Board	
Company	Pax
Diamond Offshore	55
Catering	8
ADA Services	5
Cameron	1
Dowell Schlumberger	3
Schlumberger MWD/LWD	3
MI Drilling Fluids	2
BJ Tubulars	4
Subsea 7	6
Go Offshore	0
Baker Hughes Inteq	4
Beach Petroleum Ltd	1
<b>Total</b>	<b>92</b>

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Manfred Olejniczak			
Available	Losses	Equipment	Description	Mesh Size	Comments		
1,008.0	3,356.0						
Active 295.0 bbl	Downhole 3356.0 bbl						
Mixing	Surf+ Equip						
Hole	Dumped						
Slug	De-Gasser						
Reserve 379.0 bbl	De-Sander						
Kill 270.0 bbl	De-Silter						
KCL Brine 64.0 bbl	Centrifuge						

Marine									
Weather on 08 Sep 2009							Rig Support		
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Frequency	Anchors	Tension
10.0 NM	24 kn	210.0 °	1,011.0 mbar	12 °C	2.0 m	210.0 °	4 s	#1 Anchor	265.00 klb
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Frequency	Weather Comments		#2 Anchor	267.00 klb
240.0 °	klb	4,299.00 klb	1.0 m	290.0 °	12 s	Mainly Cloudy		#3 Anchor	258.00 klb
Comments								#4 Anchor	262.00 klb
								#5 Anchor	256.00 klb
								#6 Anchor	273.00 klb
								#7 Anchor	287.00 klb
								#8 Anchor	258.00 klb



Support Vessels										
Boats	Arrived Time	Departed Time	Status	Bulks						
Lewek Emerald	02 Sep 2009 12:30	07 Sep 2009 19:35	Load Bunkers at Geelong	<b>Item</b>	<b>Unit</b>	<b>In</b>	<b>Used</b>	<b>Transfer to Rig</b>	<b>Adjust</b>	<b>Quantity</b>
				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	75
				Bentonite Bulk (MT)	MT	24.5	0.0	0.00	0.0	24.5
				Brine (bbl)	bbl	0.0	0.0	0.00	0.0	1220
				Fuel (M3)	M3	224.4	12.0	0.00	0.0	692.8
				Potable Water (m3)	m3	0.0	5.0	0.00	0.0	215
Drill Water (m3)	m3	149.0	0.0	100.00	0.0	271				
Lewek Swift	02 Sep 2009 12:30		Stand by on Rig	<b>Item</b>	<b>Unit</b>	<b>In</b>	<b>Used</b>	<b>Transfer to Rig</b>	<b>Adjust</b>	<b>Quantity</b>
				Bentonite Bulk (MT)	MT	0.0	0.0	0.00	0.0	0
				Fuel (M3)	M3	0.0	15.8	0.00	0.0	210.6
				Potable Water (m3)	m3	0.0	4.0	0.00	0.0	176
				Drill Water (m3)	m3	0.0	0.0	160.00	0.0	11
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	10:10 / 10:20	10/ 8	