



06 Sep 2009

From: Tim Lee / Kevin Monkhouse
To: Iain Robertson

Spikey Beach-1

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	30.000 in	AFE No.	09/036
Drill Co.	Diamond Offshore	Progress		Shoe TVDBRT	151.4 m	Daily Cost	AUD 721,000
Rig	Ocean Patriot (semi)	Days From Spud	0.00	Shoe MDBRT	151.4 m	Cum Cost	AUD 4,533,000
Wtr Depth (MSL)	74 m	Days On Well	4.48	FIT/LOT	sg / sg		
Datum	21.50 m RT MSL	Planned TD MD	2,062 m	Current Op @ 0600	Make up and rack back 8in Drill Collar.		
RT To Seabed	95.5 m	Planned TD TVDRT	2,062 m	Planned Op	Make up 17.5in BHA. RIH, drill out shoe and drill 17.5in hole		

Summary of Period 0000 to 2400 Hrs
Made up and ran 30in casing to 151.4m. Circulated and cemented 30in casing. Waited on cement. Disengaged 30in RT and POOH. Layed out RT and cement stand subs. Picked up 5in DP and racked back in derrick

HSE Summary					
Events	Num. Events	Days Since	Description	Remarks	
Incident	0	2	Dropped tow bridle.		
Days Since LTI	0	1,004			
STOP Card	59	0	Safe 47 Unsafe 12	DODI 42 Third Party 5 ADA 3 Catering 9	
JSA	43	0		Drill 2 Trip 14 Pump Room 2 Crane Crew 12 Mechanic 5 Electrician 2 Welder 6 Subsea 0	
Permit To Work	21	0	Hot 5 Cold 10		
Safety Meeting	1	0		Weekly Safety Meeting	
Abandon Drill	1	32			
Fire Drill	1	32		Fire in accomodation	
JHA/HSE Audit	1	1	Supervisor Audit		

Operations For Period 0000 Hrs to 2400 Hrs On 06 Sep 2009							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P2	P	G8	00:00	00:30	0.50	155.0 m	RIH. No hole problems. Tagged fill (1.5m). Washed fill to bottom at 155.0m
P2	P	F4	00:30	01:00	0.50	155.0 m	Circulated 2 x hole volumes of PHG mud (480bbl).
P2	P	G6	01:00	03:30	2.50	155.0 m	POOH. Racked BHA. Laid out bit, hole opener, Anderdrift and float sub.
P3	P	G1	03:30	04:15	0.75	155.0 m	Rigged up to run 30in casing.
P3	P	G23	04:15	04:30	0.25	155.0 m	Held pre job JSA on runing casing
P3	P	G9	04:30	07:30	3.00	155.0 m	Picked up shoe, checked flow through float valve. Continued to make 30in intermediate joints, x/o and well head jt to 58m.
P3	P	G9	07:30	08:00	0.50	155.0 m	Ran 5 jts of 5in drill pipe inside 30in casing as cement stinger.
P3	P	G9	08:00	10:00	2.00	155.0 m	Made up 30in RT to 30in housing. Lowered housing and made up to PGB. Installed guide lines to PGB. Checked bullseye 0°



Operations For Period 0000 Hrs to 2400 Hrs On 06 Sep 2009

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P3	P	G9	10:00	11:00	1.00	155.0 m	Ran 30in casing in hole on DP to 151.4m. Checked orientation of PGB (243° - 247°). Checked bullseye 0°. Checked height of 30in housing above seabed ~2m.
P3	P	F4	11:00	12:45	1.75	155.0 m	Rigged up cement hose. Broke circulation with 500gpm, 50psi. Reduced circulation to 350gpm, 50psi. Held cementing JSA while circulating.
P3	P	F3	12:45	13:00	0.25	155.0 m	Pumped 10bbl seawater with cement uit. Closed low torq and pressure tested surface lines to 1000psi for 5mins. Test ok. Opened low torq valve.
P3	P	F3	13:00	14:00	1.00	155.0 m	Cemented 30in casing with Cement Unit. Pumped 20bbl sea water followed by 10bbl of seawater with green dye. Pumped 270bbl 15.8ppg class G cement slurry (56MT) at 6BPM. Displaced cement with 21bbls of sea water. Checked bullseye, 0.5° aft.
P3	P	G1	14:00	17:30	3.50	155.0 m	Checked for back flow. no flow. Rigged down surface lines and flushed same. Waited on cement to harden. Periodically checked bullseye, steady at 0.5° aft, height steady at ~2m.
P3	P	G8	17:30	19:00	1.50	155.0 m	Unlatched 30in RT with 5 turns to right. POOH and racked back 5in DP. Laid out RT and TIW, side entry sub from cement stand. No change in bullseye (0.5° aft) No change in well head height ~2m.
P4	P	G2	19:00	24:00	5.00	155.0 m	Offline: Worked #3 anchor. Brought in 'Swift' to re-set #3 anchor. Picked up 5in DP from deck and racked back 33 stands in derrick. Offline: Worked #3 anchor. 20:20hrs Cross tension of 200mt between # 3 / # 7 Anchor winch successfully completed.

Operations For Period 0000 Hrs to 0600 Hrs On 07 Sep 2009

PHSE	CLS (RC)	OP	From	To	Hrs	Depth	Activity Description
P4	P	G2	00:00	04:00	4.00	155.0 m	Picked up 5in DP from deck. Total of 67stds 5in DP racked back in derrick
P4	P	G2	04:00	06:00	2.00	155.0 m	Made up 5 jts of 8in DCs and 8in jar. Racked stands back in derrick

Phase Data to 2400hrs, 06 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)	5.00	06 Sep 2009	06 Sep 2009	107.50	4.479	155.0 m

General Comments

00:00 TO 24:00 Hrs ON 06 Sep 2009

Operational Comments	Rig location at Spud in:... Latitude - 40deg 28' 53.875"S ... Longitude - 145deg 52' 24.704" E
Operational Comments	Anchor #3 reset. Anchors #3 and #7 cross tensioned 200t 10mins.
Operational Comments	Bullseye on PGB checked before cementation 0°. After cementation check bullseye was 0.5° aft

WBM Data

Cost Today AUD2,495

Mud Type:	Water Based	API FL:	cm ³ /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:	16:00	HTHP-FL:	cm ³ /30min	Hard/Ca:	mg/L	Solids:	%	YP	lbf/100ft ²
Weight:	8.80 ppg	HTHP-cake:	/32nd"	MBT:		H2O:	%	Gels 10s	lbf/100ft ²
Temp:	°C			Pm:		Oil:	%	Gels 10m	lbf/100ft ²
				Pf:		Sand:		Fann 003	
						pH:	9.0	Fann 006	
						PHPA(Density):	kg/m ³	Fann 100	
								Fann 200	
								Fann 300	
								Fann 600	
Comment									

WBM Data				Cost Today AUD					
Mud Type:	Water Based	API FL:	cm ³ /30min	Cl:	mg/L	Solids:	%	Viscosity	100 s/qt
Sample-From:	Pit #5	Filter-Cake:	/32nd"	K+C*1000:	%	Low-Gravity Solids:	%vol	PV	cP
Time:	19:00	HTHP-FL:	cm ³ /30min	Hard/Ca:	mg/L	H2O:	%	YP	lbf/100ft ²
Weight:	8.80 ppg	HTHP-cake:	/32nd"	MBT:		Oil:	%	Gels 10s	lbf/100ft ²
Temp:	°C			Pm:		Sand:		Gels 10m	lbf/100ft ²
				Pf:		pH:	9.5	Fann 003	
						PHPA(Density):	kg/m ³	Fann 006	
								Fann 100	
								Fann 200	
								Fann 300	
								Fann 600	
Comment									

WBM Data				Cost Today AUD					
Mud Type:	Water Based	API FL:	cm ³ /30min	Cl:	mg/L	Solids:	%	Viscosity	90 s/qt
Sample-From:	Pit #3	Filter-Cake:	/32nd"	K+C*1000:	%	Low-Gravity Solids:	%vol	PV	cP
Time:	22:00	HTHP-FL:	cm ³ /30min	Hard/Ca:	mg/L	H2O:	%	YP	lbf/100ft ²
Weight:	11.50 ppg	HTHP-cake:	/32nd"	MBT:		Oil:	%	Gels 10s	lbf/100ft ²
Temp:	°C			Pm:		Sand:		Gels 10m	lbf/100ft ²
				Pf:		pH:	8.5	Fann 003	
						PHPA(Density):	kg/m ³	Fann 006	
								Fann 100	
								Fann 200	
								Fann 300	
								Fann 600	
Comment									

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
Barite	MT	0.0	10.0	0.0	47.00	
Bentonite	MT	0.0	11.0	0.0	16.00	
Cement - G Neat	MT	0.0	56.0	0.0	47.00	
Fuel	M3	0.0	11.9	0.0	421.10	
Potable Water	m3	30.0	23.0	0.0	328.00	
Drill Water	m3	434.0	278.0	0.0	438.00	

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	54
Catering	8
ADA Services	4
Cameron	1
Dowell Schlumberger	4
Schlumberger (Wireline)	0
MI Drilling Fluids	2
BJ Tubulars	3
Subsea 7	6
Other Contractor	2
Go Offshore	1
Baker Hughes Inteq	2
Beach Petroleum Ltd	1
Total	88



Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Manfred Olejniczak			
Available	813.0	Losses	161.0	Equipment	Description	Mesh Size	Comments
Active	160.0 bbl	Downhole	161.0 bbl				
Mixing		Surf+ Equip					
Hole		Dumped					
Slug		De-Gasser					
Reserve	303.0 bbl	De-Sander					
Kill	350.0 bbl	De-Silter					
		Centrifuge					

Marine									
Weather on 06 Sep 2009							Rig Support		
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Frequency	Anchors	Tension
10.0 NM	18 kn	293.0 °	1,014.0 mbar	12 °C	0.5 m	293.0 °	2 s	#1 Anchor	262.00 klb
								#2 Anchor	260.00 klb
								#3 Anchor	265.00 klb
								#4 Anchor	265.00 klb
								#5 Anchor	262.00 klb
								#6 Anchor	280.00 klb
								#7 Anchor	287.00 klb
								#8 Anchor	249.00 klb

Support Vessels										
Boats	Arrived Time	Departed Time	Status	Bulks						
				Item	Unit	In	Used	Transfer to Rig	Adjust	Quantity
Lewek Emerald	02 Sep 2009 12:30		In transit to Rig location	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	758.0	0.0	0.00	0.0	1220
				Fuel (M3)	M3	338.1	40.2	0.00	0.0	498.4
				Potable Water (m3)	m3	0.0	0.0	0.00	0.0	185
				Drill Water (m3)	m3	70.0	0.0	0.00	0.0	268
Lewek Swift	02 Sep 2009 12:30		Stand by on Rig	Bentonite Bulk (MT)	MT	0.0	0.0	0.00	0.0	25
				Fuel (M3)	M3	0.0	18.7	0.00	-0.8	244.3
				Potable Water (m3)	m3	0.0	4.0	0.00	-270.0	180
				Drill Water (m3)	m3	0.0	0.0	0.00	-164.0	171
				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	10:00 / 10:10	1 / 1	Unscheduled flight to transport cementer to rig