

09 Aug 2006

From: Simon Rodda/Chris Roots
To: John Ah-Cann

DRILLING MORNING REPORT # 31
Longtom-3 ST1

Well Data							
Country	Australia	MDBRT	2563.0m	Cur. Hole Size	13.500in	AFE Cost	\$40,292,054
Field	Gippsland Basin	TVDBRT	2010.0m	Last Casing OD	16.000in	AFE No.	LSDED01/0
Drill Co.	DOGC	Progress	0.0m	Shoe TVDBRT	995.3m	Daily Cost	\$0
Rig	OCEAN PATRIOT	Days from spud	29.37	Shoe MDBRT	995.3m	Cum Cost	\$0
Wtr Dpth (LAT)	56.7m	Days on well	9.08	FIT/LOT:	/ 13.50ppg	Days Since Last LTI	1175
RT-ASL (LAT)	21.5m	Planned TD MD	5834.0m				
RT-ML	78.2m	Planned TD TVDRT	2458.0m				
Current Op @ 0600		Racking the BHA.					
Planned Op		Retrieve the wear bushing. Rig up & run 10 3/4" casing.					

Summary of Period 0000 to 2400 Hrs

Displaced cement plug to PBTD : ~2347mrt. Circulated bottoms up & pulled out of the hole. Made up & ran 13 1/2" cleanout assembly, washed & reamed through obstructions @ 1550 & 2165mrt. Dressed off cement plug to 2384mrt.

FORMATION	
Name	Top
300 sand	
200 sand	
100 sand	
Emperor Volcanics	
TD	

Operations For Period 0000 Hrs to 2400 Hrs on 09 Aug 2006

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	P	CMP	0000	0030	0.50	2563.0m	Dowell displaced cement plug to balance f/ 2563 (TD) to 2375mrt. Pumped 128 bbl @ 8 bbl/min, pressure profile began to steadily increase after 70 bbl's displaced, appeared to plateau after 122 bbl's reduced the pump rate to 3 bbl/min with a final pump pressure of 200 psi.
							No losses & no back flow.
IH	P	TO	0000	0000	0.00	2563.0m	Pulled out of the hole.
IH	P	CMP	0030	0130	1.00	2563.0m	Nipped down the cement line & pulled (slowly) out of the cement to 2347mrt.
IH	P	CMP	0130	0300	1.50	2563.0m	Circulated bottoms up. Observed spacer & trace of cement at the shakers.
IH	P	TO	0300	0730	4.50	2563.0m	Flow checked (static) Pumped slug & pulled out of the hole.
IH	P	HBHA	0730	0930	2.00	2347.0m	Made up 13 1/2" cleanout assembly, picking up near bit & string stabilisers.
IH	P	TI	0930	1330	4.00	2347.0m	Ran in the hole encountering resistance @ 1550mrt, obstruction held 40 klb's down weight.
IH	TP (HC)	RW	1330	1530	2.00	2347.0m	Washed & reamed f/ 1550 to 1700mrt.
IH	P	TI	1530	1630	1.00	2347.0m	Ran in the hole f/ 1700mrt encountering resistance @ 2165mrt, obstruction held 40 klb's down weight.
IH	TP (HC)	RW	1630	1900	2.50	2347.0m	Washed & reamed f/ 2165 to 2330mrt. Only light reaming required with minimal resistance.
IH	P	TI	1900	1930	0.50	2347.0m	Washed down f/ 2330 to 2355mrt with zero rotation & reduced pump rate in anticipation of tagging theoretical top of cement plug @ 2347mrt. Observed 10klb's over normal hole drag @ 2355mrt.
IH	P	RW	1930	2000	0.50	2375.0m	Reamed "cement" f/ 2355 to 2375mrt with no resistance to drilling parameters.
IH	P	CS	2000	2100	1.00	2375.0m	Circulated bottoms up sample 30% cement / 70% siltstone & sand, rounded & reground cuttings left in the hole from previous drilling.
IH	P	REA	2100	2130	0.50	2384.0m	Reamed further 9m f/ 2375 to 2384mrt, achieving 10 klb's WOB with normal drilling parameters.
IH	P	CS	2130	2300	1.50	2384.0m	Circulated bottoms up 90% cement. Soft to moderately firm. Cement held 20klb's set down weight.
IH	P	TO	2300	2330	0.50	2384.0m	Flow checked & pumped slug.

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	P	TO	2330	2400	0.50	2384.0m	Commenced pulling out of the hole.

Operations For Period 0000 Hrs to 0600 Hrs on 10 Aug 2006

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	P	TO	0000	0500	5.00	2384.0m	Pulled out of the hole f/ 2384mrt to the BHA.
IH	P	HBHA	0500	0600	1.00	2384.0m	Racked the BHA.

Phase Data to 2400hrs, 09 Aug 2006

Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
INTERMEDIATE HOLE(IH)	218	31 Jul 2006	09 Aug 2006	218.00	9.083	3485.0m

WBM Data

Cost Today \$ 2938

Mud Type:	Petrofree	API FL:	Cl:	Solids(%vol):	19%	Viscosity	100sec/qt	
Sample-From:	Active pit	Filter-Cake:	K+C*1000:	H2O:	16%	PV	46cp	
Time:	20:30	HTHP-FL:	3.2cc/30min	Oil(%):	63%	YP	15lb/100ft²	
Weight:	12.30ppg	HTHP-cake:	2/32nd"	Sand:	0.25	Gels 10s	49	
Temp:	63C°					Gels 10m	56	
						Fann 003	11	
						Fann 006	12	
						Fann 100	28	
						Fann 200		
Comment	Total product costs to date \$ 1,175,207.76						Fann 300	61
	Cumulative total \$ 1,233,007.76 (including engineer)						Fann 600	107

Bit # 9RR1

Wear	I	O1	D	L	B	G	O2	R
Bitwear Comments:								
Size ("):	13.500in	IADC#	Nozzles		Drilled over last 24 hrs		Calculated over Bit Run	
Mfr:	REED HYCALOG	WOB(avg)	0.00klb	No.	Size	Progress	Cum. Progress	0.0m
Type:	PDC	RPM(avg)	130			On Bottom Hrs	Cum. On Btm Hrs	0.0h
Serial No.:	211900	F.Rate	19.00bpm			IADC Drill Hrs	Cum IADC Drill Hrs	0.0h
Bit Model	DSX616M-A1	SPP	4000psi			Total Revs	Cum Total Revs	0
Depth In	2347.0m	HSI				ROP(avg)	ROP(avg)	0.00 m/hr
Depth Out		TFA						
Bit Comment								

BHA # 12

Weight(Wet)	30.00klb	Length	190.8m	Torque(max)	4800ft-lbs	D.C. (1) Ann Velocity
Wt Below Jar(Wet)	10.00klb	String	230.00klb	Torque(Off.Btm)	4800ft-lbs	D.C. (2) Ann Velocity
Drilling Jar Hours		Pick-Up	250.00klb	Torque(On.Btm)	4800ft-lbs	H.W.D.P. Ann Velocity
		Slack-Off	230.00klb			D.P. Ann Velocity

BHA Run Description

BHA Run Comment

Equipment	Length	OD	ID	Top Conn	Serial #	Comment
8in DC	8.73m	8.000in		6 5/8 Reg		Ported float
Stab	2.15m	13.375in		6 5/8 Reg	207A305	
8in DC	9.04m	8.000in		6 5/8 Reg		
Drilling Jars	10.21m	8.000in		6 5/8 Reg	35205E	
Near Bit Stab	1.90m	13.375in		6 5/8 Reg	207A25	
5in HWDP		5.000in		NC50		
	139.77m					
8in DC	17.53m	8.000in		6 5/8 Reg		
X/O	1.17m	8.000in		NC50		
Bit	0.26m	13.500in		6 5/8 Reg	211900	

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
Barite Bulk	MT	0	2.8	0	229.1	
Bentonite Bulk	MT	0	0	0	21.8	
Diesel	m3	0	18.3	0	456.9	
Fresh Water	m3	16	32.3	0	264.0	
Drill Water	m3	200	68.8	0	561.6	
Cement G	MT	36.2	32	0	130.9	
Cement HT (Silica)	MT	0	0	0	0.0	
Brine	m3	0	0	0	0.0	

Pumps																	
Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (ppg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (bpm)	Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1 (bpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (bpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (bpm)
1	A1700PT	5.500	12.15	97		4400		2295.0	30	225		40	275		50	350	
2	12P 160	6.000	12.00	97		4400		2295.0	20			30			40		
3	12P 160	6.000	12.00	97		4400			20			30			40		

Personnel On Board		
Company	Pax	Comment
NEXUS	6	
DOGC	49	45 x DOGC 3x DOGC extra(, 1 x crane op, 1 x dogman, 1 x welder) 5 x DOGC other (2 x painter, 3 x union hydraulic,)
DOWELL SCHLUMBERGER	2	
FUGRO SURVEY LTD (ROV)	3	
SCHLUMBERGER ANADRIL	6	3 x MWD, 3 x DD.
BAROID	2	
ESS	8	
GEOSERVICES OVERSEAS S.A.	6	
Q-Tech	1	
K & M	2	
Brandt	1	
WEATHERFORD AUSTRALIA PTY LTD	5	
CAMERON AUSTRALIA PTY LTD	1	
West Engineering	1	
M-1 AUSTRALIA PTY LTD	1	
Total	94	

HSE Summary				
Events	Date of last	Days Since	Descr.	Remarks
Last BOP Test	04 Aug 2006			
Abandon Drill	06 Aug 2006	3 Days	Weekly abandon rig drill	
Fire Drill	06 Aug 2006	3 Days	Weekly fire drill	
JSA	09 Aug 2006	0 Days	Drillcrew 7 , deckcrew 6, Mechanic 1, Marine 0	
Man Overboard Drill	21 Jul 2006	19 Days	Monthly man overboard drill	
Safety Meeting	06 Aug 2006	3 Days	Weekly crew safety meetings	0100/1300/1900hrs
STOP Card	09 Aug 2006	0 Days	Safe 5, Unsafe 2	
Trip / Kick Drill	09 Aug 2006	0 Days	Trip drill	Held trip drill at shoe on trip in hole

Shakers, Volumes and Losses Data						
Available	2,977bbl	Losses	90bbl	Equip.	Descr.	Mesh Size
Active	523bbl	Down-hole	48bbl	Shaker1	VSM100	10/230/230/200/200
Hole	1,493bbl	Equipment	26bbl	Shaker2	VSM100	10/260/260/200/200
Reserve	564bbl	Centrifuge	16bbl	Shaker3	VSM100	10/230/230/200/200
				Shaker4	VSM100	10/260/230/200/200

Shakers, Volumes and Losses Data		
Petrofree ester	397bbl	

Marine									
Weather on 09 Aug 2006							Rig Support		
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)
10.0nm	40kn	240.0deg	1026.0mbar	14C°	2.0m	240.0deg		1	276.0
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments		2	181.0
270.0deg	300.00klb	5258.00klb	5.0m	240.0deg				3	258.0
Comments								4	254.0
								5	375.0
								6	342.0
								7	205.0
								8	205.0

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks				
Far Grip	18:20hrs 9th August		Standby Rig	Item	Unit	Used	Trf. to Rig	Qty. Remaining
				Diesel	m3			694
Fresh Water	m3			372				
Drill Water	m3			744				
Cement G	mt			0				
Cement HT (Silica)	mt			0				
Barite Bulk	mt			0				
Bentonite Bulk	mt			0				
Liquid SBM	bbls			54				
Base oil	bbls			0				
Brine	bbls			0				
Pacific Wrangler		19:00	Enroute to port ETA pilot station : 13:00hrs 10th August	Item	Unit	Used	Trf. to Rig	Qty. Remaining
				Diesel	m3			529
				Fresh Water	m3			274
				Drill Water	m3			88
				Cement G	mt			37
				Cement HT (Silica)	mt			0
				Barite Bulk	mt			136
				Bentonite Bulk	mt			0
				Liquid SBM	bbls			2012
				Base oil	bbls			0
				Brine	bbls			0

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	10:08 / 10:26	0 / 6	Fuel remaining on board 4742 liters