

19 Dec 2005

From: Westman/ Webby
To: J Ah-Cann

DRILLING MORNING REPORT # 8

Culverin 1

Well Data							
Country	Australia	MDBRT	1,436.0m	Cur. Hole Size	36.000in	AFE Cost	\$ 22699889
Field	Gippsland Basin	TVDBRT	1,436.0m	Last Casing OD	30.000in	AFE No.	3433-1001
Drill Co.	DOGC	Progress	430.0m	Shoe TVDBRT	650.9m	Daily Cost	\$ 678903
Rig	OCEAN PATRIOT	Days from spud	3.44	Shoe MDBRT	650.9m	Cum Cost	\$ 8471014
Wtr Dpth(MSL)	585.0m	Days on well	7.35	FIT/LOT:	/	Days Since Last LTI	944
RT-ASL(MSL)	21.5m	Planned TD MD					
RT-ML	606.5m	Planned TD TVDRT					
Current Op @ 0600 Drill 17 1/2" hole from 1436m to 1499m ROP 10.5m/hr							
Planned Op TD 17 1/2" section to 1525m. Circulate and condition hole for Casing. Displace and trip out of hole to 20" shoe. Wiper trip if required, Cont to POOH. Rig up and run 13 3/8" casing.							

Summary of Period 0000 to 2400 Hrs

Drilled 17 1/2" hole from 1006m to 1436m.
24hr average ROP 17.9m/hr.

Operations For Period 0000 Hrs to 2400 Hrs on 19 Dec 2005

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	P	DA	0000	2400	24.00	1,436.0m	Drill 17 1/2" hole from 1006m to 1436m Take surveys every 3rd stand. @1428.75m, 0.11deg, 336.43azimuth, 1000-1100 gpm, 3400psi, 4-6000 ftlbs tq, 150-160rpm, String wt 240klbs, 20-35klbs WOB. Sweep hole 85bbbs per stand-35 Guar-50 PHG. No hole problems to report. 24hr ROP 17.9m/hr Section ROP 23.46m/hr

Operations For Period 0000 Hrs to 0600 Hrs on 20 Dec 2005

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	P	DA	0000	0600	6.00	1,525.0m	(IN PROGRESS) Drill 17 1/2" hole from 1436m to 1525m Take surveys every 3rd stand. @1509m 0.09deg, 0.70 azimuth, 1000-1100 gpm, 3400psi, 4-6000 ftlbs tq, 150-160rpm, String wt 240klbs, 30-35klbs WOB. Sweep hole 85bbbs per stand.

Phase Data to 2400hrs, 19 Dec 2005

Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
RIG MOVE/RIG-UP/PRESPUD(RM)	25.75	05 Nov 2005	14 Dec 2005	25.75	1.073	0.0m
ANCHORING(A)	44.75	14 Dec 2005	15 Dec 2005	70.50	2.938	0.0m
SURFACE HOLE(SH)	30	15 Dec 2005	17 Dec 2005	100.50	4.188	650.0m
SURFACE CASING(SC)	16.5	16 Dec 2005	17 Dec 2005	117.00	4.875	650.0m
INTERMEDIATE CASING(IC)	1	17 Dec 2005	17 Dec 2005	118.00	4.917	650.0m
INTERMEDIATE HOLE(IH)	58.5	17 Dec 2005	19 Dec 2005	176.50	7.354	1,436.0m

WBM Data

Cost Today \$ 5570

Mud Type:	PHG Hi-Vis	API FL:	14.0cc/30min	Cl:	2200mg/l	Solids(%vol):	Viscosity	110sec/qt
Sample-From:	Pits	Filter-Cake:	1/32nd"	K+C*1000:		H2O:	PV	14cp
Time:	1945	HTHP-FL:		Hard/Ca:	20mg/l	Oil(%):	YP	26lb/100ft²
Weight:	8.70ppg	HTHP-cake:		MBT:	20	Sand:	Gels 10s	22
Temp:	20C°			PM:		pH:	Gels 10m	28
				PF:	0.18	PHPA:	Fann 003	20
							Fann 006	21
							Fann 100	28
							Fann 200	35
							Fann 300	40
							Fann 600	54
Comment 1318bbbs of Hi vis pumped during 24hr drilling period								

Bit # 2			Wear	I	O1	D	L	B	G	O2	R
			Bitwear Comments:								
Size ("):	17.500in	IADC#	117	Nozzles		Drilled over last 24 hrs		Calculated over Bit Run			
Mfr:	REED HYCALOG	WOB(avg)	23.00klb	No.		Size		Progress	430.0m	Cum. Progress	1,142.0m
Type:	Rock	RPM(avg)	152	1	16/32nd"		On Bottom Hrs	21.9h	Cum. On Btm Hrs	34.1h	
Serial No.:	B73369	F.Rate	1,046.00bpm	3	22/32nd"		IADC Drill Hrs	24.0h	Cum IADC Drill Hrs	33.5h	
Bit Model	Titan T-11	SPP	2743psi				Total Revs	227	Cum Total Revs	333	
Depth In	650.9m	HSI					ROP(avg)	19.63 m/hr	ROP(avg)	33.49 m/hr	
Depth Out		TFA	1.31								
Bit Comment											

BHA # 2					
Weight(Wet)	65.00klb	Length	242.6m	Torque(max)	8000ft-lbs
Wt Below Jar(Wet)	48.00klb	String	240.00klb	Torque(Off.Btm)	1000ft-lbs
		Pick-Up	240.00klb	Torque(On.Btm)	4000ft-lbs
		Slack-Off	240.00klb		

BHA Run Description Stabilized rotary assembly. MWD.

BHA Run Comment

Equipment	Length	OD	ID	Serial #	Comment
Bit	0.60m	17.500in		B73369	Bit#1, re-run 1
Near Bit Stab	2.65m	17.500in	3.000in	SBD2376	
Pony DC	3.06m	9.625in	3.000in	177-472	
Stab	2.51m	17.250in	3.000in	SBD2380	
MWD Tools	9.87m	9.500in	2.375in	209351	
Stab	2.51m	17.250in	3.000in	SBD2379	
9.5in DC	27.18m	9.500in	3.000in		
X/O	1.16m	9.500in	3.000in	MSO1930-0	
8in DC	26.63m	8.000in	3.000in		
Drilling Jars	9.31m	8.000in	3.062in	11150D	
8in DC	17.71m	8.000in	3.000in		
X/O	1.16m	8.500in	2.875in	MSO1930-2	
5in HWDP	138.22m	5.000in	3.000in		

Survey								
MD (m)	Incl (deg)	Azim (deg)	TVD (m)	Vsec (deg)	N-S (m)	E-W (m)	DLS (deg/30m)	Tool Type
1056.00	0.8	254.0						
1085.00	0.8	257.0						
1113.00	0.6	252.0						
1142.00	0.5	254.0						
1171.00	0.4	260.0						
1228.00	0.2	255.0						
1257.00	0.2	257.0						
1342.00	0.1	250.0						
1371.00	0.0	247.0						
1428.00	0.1	336.0						

Bulk Stocks					
Name	Unit	In	Used	Adjust	Balance
Barite Bulk	MT	0		0	167.4
Bentonite Bulk	MT		9.07	0	39.3
Diesel	m3	0	21.7	0	178.6
Fresh Water	m3	33	34.3	0	156.0
Drill Water	m3		144.4	0	342.5

Bulk Stocks																			
Name								Unit	In	Used	Adjust	Balance							
Cement G								MT	0		0	0	88.2						
Cement HT (Silica)								MT			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	12P160	6.500	8.70	97	112	3400	13.30												
2	12P160	6.500	8.70	97	112	3400	13.30												
Casing																			
OD (in)		Csg Shoe MD (m)			Csg Shoe TVD (m)			Csg Landing Depth MD (m)			Csg Landing Depth TVD (m)			LOT/FIT (ppg)					
30 "		650.90			650.90						650.90								
Personnel On Board																			
Company								Pax	Comment										
DOGC								46	extra										
DOGC								3											
ESS								8											
NEXUS								3											
FUGRO SURVEY LTD (ROV)								6											
DOWELL SCHLUMBERGER								3											
CAMERON AUSTRALIA PTY LTD								1											
M-1 AUSTRALIA PTY LTD								2											
GEOSERVICES OVERSEAS S.A.								2											
HALLIBURTON AUSTRALIA PTY LTD - SPERRY SUN								2											
WEATHERFORD AUSTRALIA PTY LTD								4	Sperry Sun										
Total								80											
HSE Summary																			
Events		Date of last		Days Since		Descr.					Remarks								
Abandon Drill		18 Dec 2005		1 Day		Held weekly abandon rig drill					Load life boats 1 and 2 with 10 people and discuss life boat equipment and launching procedures.								
Fire Drill		18 Dec 2005		1 Day		Held weekly fire drill													
JSA		19 Dec 2005		0 Days		Deck = 4, Mech = 0, Drill = 1, Sub Sea =5													
Safety Meeting		18 Dec 2005		1 Day		Weekly safety meetings with all crew members.					Discussion on man riding operations. Recent 3rd party finger amputation and basic amputation first aid discussed. GEMS work basket policies. Fire and abandonment drills								
STOP Card		19 Dec 2005		0 Days		Safe = 4, Un-safe = 1													
Shakers, Volumes and Losses Data																			
Available		1,881bbl		Losses		1,318bbl													
Reserve		1,881bbl		Sweeps		1,318bbl													
Marine																			
Weather on 19 Dec 2005												Rig Support							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period					Anchors		Tension (klb)					
10.0nm	35kn	225.0deg	1,015.0mbar	15C°	2.0m	225.0deg	3s					1		287.0					
Rig Dir.		Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments						2		243.0				
272.0deg			4,612.00klb	3.0m	225.0deg	8s					3		220.0						
Comments												4		289.0					
												5		322.0					
												6		317.0					
												7		370.0					
												8		317.0					
Vessel Name		Arrived (Date/Time)			Departed		Status			Bulks									

(Date/Time)							
Far Grip			En-route to Town	Item	Unit	Used	Quantity
				Diesel	CuMtr		230
				Fresh Water	CuMtr		307
				Drill Water	CuMtr		40
				Cement G	Mt		80
				Cement HT (Silica)	Mt		54
				Barite Bulk	Mt		89
Pacific Wrangler			On location with Riser and fuel.	Item	Unit	Used	Quantity
				Diesel	CuMtr		675.3
				Fresh Water	CuMtr		165
				Drill Water	CuMtr		
				Cement G	Mt		
				Cement HT (Silica)	Mt		
				Barite Bulk	Mt		
				Bentonite Bulk	Mt		5