

12 Jan 2006

From: Simon Rodda/ Geoff Webster  
To: J Ah-Cann

**DRILLING MORNING REPORT # 32**
**Culverin 1**

Well Data							
Country	Australia	MDBRT	3758.0m	Cur. Hole Size	12.250in	AFE Cost	\$22,699,889
Field	Gippsland Basin	TVDBRT	3753.8m	Last Casing OD	13.375in	AFE No.	3433-1001
Drill Co.	DOGC	Progress	0.0m	Shoe TVDBRT	1511.8m	Daily Cost	\$460,184
Rig	OCEAN PATRIOT	Days from spud	27.44	Shoe MDBRT	1511.8m	Cum Cost	\$20,547,364
Wtr Dpth (LAT)	585.0m	Days on well	30.77	FIT/LOT:	/ 15.80ppg	Days Since Last LTI	968
RT-ASL (LAT)	21.5m	Planned TD MD					
RT-ML	606.5m	Planned TD TVDRT					
Current Op @ 0600 RIH to lay down tubulars remaining in derrick							
Planned Op RIH and lay out tubulars in Derrick. Commence retrieving anchors							

**Summary of Period 0000 to 2400 Hrs**

Pulled and landed BOP's on carrier. Cut and pulled 20" casing. Cut and pulled 30" casing with PGB

**FORMATION**

Name	Top
Base Funa Flounder Channel	2835.00m
Top 67.5 Ma Sand	2836.00m
Near 68.5 Ma Sand	3103.00m
Near 70.3 Ma Sand	3478.00m
TD	

**Operations For Period 0000 Hrs to 2400 Hrs on 12 Jan 2006**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
BOP	P	RR2	0000	0330	3.50	3758.0m	Continued to pull BOP's and lay out marine riser.
BOP	P	RR2	0330	0430	1.00	3758.0m	Pulled riser double and landed out BOP's on carrier
BOP	P	RR2	0430	0930	5.00	3758.0m	Removed guidelines from BOP's. Removed clamps from pod hoses. Broke riser double and 5 ft termination spool from BOP's. Skidded BOP's to starboard side and laid down riser double and termination spool
BOP	P	RR2	0930	1100	1.50	3758.0m	Rigged down riser handling equipment, rigged up 5" DP handling equipment and moved rig back over location
PA	P	TI	1100	1430	3.50	3758.0m	Held JSA, Picked up 20" X 30" casing cutter assembly. RIH with 5" DP
PA	P	TI	1430	1500	0.50	3758.0m	Moved rig starboard forward to stab casing cutter assembly into wellhead
PA	P	CCT	1500	1530	0.50	3758.0m	Engaged cutter assembly and tested with 40 klbs over pull. Commenced cutting casing. Cut 20" casing free
PA	P	TO	1530	1730	2.00	3758.0m	POOH with wellhead and 20" casing stub. Laid out same
BOP	P	HBHA	1730	1930	2.00	3758.0m	Held JSA. Changed out casing cutters blades, grapple, spacer sub and centralizer on casing cutter assembly
PA	P	TI	1930	2130	2.00	3758.0m	RIH with casing cutter to 30" housing
PA	P	CCT	2130	2230	1.00	3758.0m	Engaged casing cutter assembly into housing and test with 40 klbs overpull. Commenced cutting 30" casing. Cut 30" casing
PA	P	TO	2230	2400	1.50	3758.0m	POOH with guide base and 30" housing

**Operations For Period 0000 Hrs to 0600 Hrs on 13 Jan 2006**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PA	P	TO	0000	0100	1.00	3758.0m	Continued POOH with guide base and 30" housing
PA	P	TO	0100	0130	0.50	3758.0m	Landed out and secured guide base on trolley. backed out cap screws on guidebase to 30" housing.
							Conducted 100m radius seabed survey with ROV after pulling PGB. Furgro documentation and DVD to follow
PA	P	TO	0130	0300	1.50	3758.0m	Picked up 30" housing and 30" casing cut off to rig floor. Unlatched spear and laid out 30" housing. Broke down and laid out 30" spear and casing cutting BHA
PA	P	TO	0300	0430	1.50	3758.0m	Removed guidelines from guidebase. Moved guidebase on trolley to starboard side of

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PA	P	PLD	0430	0600	1.50	3758.0m	moonpool RIH with 8" DC's from derrick. Laid out 8" DC's

**Operations For Period Hrs to Hrs on**

Phase Data to 2400hrs, 12 Jan 2006						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
RIG MOVE/RIG-UP/PRESPUD(RM)	23.5	05 Nov 2005	14 Dec 2005	23.50	0.979	0.0m
ANCHORING(A)	33	14 Dec 2005	15 Dec 2005	56.50	2.354	0.0m
SURFACE HOLE(SH)	30	15 Dec 2005	17 Dec 2005	86.50	3.604	650.0m
SURFACE CASING(SC)	16.5	16 Dec 2005	17 Dec 2005	103.00	4.292	650.0m
INTERMEDIATE CASING(IC)	1	17 Dec 2005	17 Dec 2005	104.00	4.333	650.0m
INTERMEDIATE HOLE(IH)	480	17 Dec 2005	08 Jan 2006	584.00	24.333	3758.0m
RISER AND BOP STACK(BOP)	93.5	21 Dec 2005	12 Jan 2006	677.50	28.229	3758.0m
PLUG AND ABANDON(PA)	61	08 Jan 2006	12 Jan 2006	738.50	30.771	3758.0m

WBM Data Cost Today \$ 0						
Mud Type:	Seawater	API FL:	CI:	Solids(%vol):	Viscosity	
Sample-From:	Active Pit	Filter-Cake:	K+C*1000:	H2O:	PV	
Time:		HTHP-FL:	Hard/Ca:	Oil(%):	YP	
Weight:		HTHP-cake:	1/32nd"	Sand:	Gels 10s	
Temp:			MBT:	pH:	Gels 10m	
			PM:	PHPA:	Fann 003	
			PF:		Fann 006	
					Fann 100	
					Fann 200	
					Fann 300	
					Fann 600	
Comment					Final mud cost from report # 28 =A\$ 294,855	

BHA # 7			
Weight(Wet)	Length	146.2m	Torque(max)
Wt Below Jar(Wet)	String		Torque(Off.Btm)
Drilling Jar Hours	Pick-Up		Torque(On.Btm)
	Slack-Off		
D.C. (1) Ann Velocity			
D.C. (2) Ann Velocity			
H.W.D.P. Ann Velocity			
D.P. Ann Velocity			

BHA Run Description

BHA Run Comment

Equipment	Length	OD	ID	Serial #	Comment
Bullnose	0.39m	7.940in	2.940in	38897D	44" knives positioned 4.44m below wellhead to cut at 609.20m MDRT
Stab	0.79m	17.500in	2.813in	SG15	
Pipe cutter	3.01m	12.250in	3.000in	D36242	
Spacer sub	1.00m	8.000in	2.813in	38886D	
Rotating spear	2.84m	18.375in	3.250in	C76094	
Drill Collar	26.45m	8.000in			
X/O	1.16m	8.000in			
HWDP	110.57m				

BHA # 8			
Weight(Wet)	Length	145.5m	Torque(max)
Wt Below Jar(Wet)	String		Torque(Off.Btm)
Drilling Jar Hours	Pick-Up		Torque(On.Btm)
	Slack-Off		
D.C. (1) Ann Velocity			
D.C. (2) Ann Velocity			
H.W.D.P. Ann Velocity			
D.P. Ann Velocity			

BHA Run Description

BHA Run Comment

Equipment	Length	OD	ID	Serial #	Comment
Bullnose	0.39m	7.940in	2.940in	38897D	
Stab	0.79m	17.500in	2.813in	SG15	

Equipment	Length	OD	ID	Serial #	Comment
Pipe cutter	3.01m	12.250in	3.000in	D36242	52" knives positioned 4.57m below wellhead to cut at 609.20m MDRT
Spacer sub	0.31m	8.000in	2.813in	38886D	
Rotating spear	2.84m	18.375in	3.250in	C76094	
Drill Collar	26.45m	8.000in			
X/O	1.16m	8.000in			
HWDP	110.57m				

**Bulk Stocks**

Name	Unit	In	Used	Adjust	Balance
Barite Bulk	MT	0	0	0	-0.0
Bentonite Bulk	MT	0	0	0	0.0
Diesel	m3	50	7.7	0	221.3
Fresh Water	m3	27	31.2	0	172.1
Drill Water	m3	0	12	0	342.5
Cement G	MT		0	0	-13.4
Cement HT (Silica)	MT	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	A1700	6.000	10.20	97				3600.0	30	380	3.00	40	475	4.00	50	580	5.00
2	12P160	6.000	10.20	97				3600.0	30	390	3.00	40	480	4.00	50	580	5.00
3	12P160	6.000	10.20	97	0	0	0.00	3275.0	30	320	3.00	40	360	4.00	50	450	5.00

**Casing**

OD (in)	Csg Shoe MD (m)	Csg Shoe TVD (m)	Csg Landing Depth MD (m)	Csg Landing Depth TVD (m)	LOT/FIT (ppg)
	650.30	650.30	604.40	604.40	
	1511.77	1511.77	603.50	603.50	

**Personnel On Board**

Company	Pax	Comment
DOGC	54	6 X ROV, 2 X Surveyors
ESS	8	
NEXUS	3	
FUGRO SURVEY LTD (ROV)	8	
DOWELL SCHLUMBERGER	2	One swaco hand for new shaker being assessed for Diamond
M-1 AUSTRALIA PTY LTD	3	
GEOSERVICES OVERSEAS S.A.	3	
CAMERON AUSTRALIA PTY LTD	1	
MO47 CREW	3	
SMITH BITS	1	
Total	86	

**HSE Summary**

Events	Date of last	Days Since	Descr.	Remarks
Abandon Drill	08 Jan 2006	4 Days	Held weekly abandon rig drill	Environmental audit by Nexus shorebase personnel.
Environmental Issue	29 Dec 2005	14 Days	Environmental Audit	
Fire Drill	08 Jan 2006	4 Days	Held weekly fire drill	
JSA	12 Jan 2006	0 Days	Deck = 7, Subsea = 2, Drill = 9, Welder = 2	
Man Overboard Drill	30 Dec 2005	13 Days	Held Man Over Board Drill	
Safety Meeting	08 Jan 2006	4 Days	Weekly safety meetings with all crew members.	
STOP Card	12 Jan 2006	0 Days	Safe = 6, Un-safe = 2	

Marine											
Weather on 12 Jan 2006								Rig Support			
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)		
10.0nm	20kn	225.0deg	1020.0mbar	20C°	1.0m	225.0deg	4s	1	284.0		
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments					
272.0deg		4387.00klb	1.5m	225.0deg	8s						
Comments											
								2	276.0		
								3	181.0		
								4	231.0		
								5	265.0		
								6	198.0		
								7	328.0		
								8	289.0		
Vessel Name		Arrived (Date/Time)		Departed (Date/Time)		Status		Bulks			
Far Grip		23:00 10 Jan 2006				On Location		Item	Unit	Used	Quantity
								Diesel	CuMtr		19
								Fresh Water	CuMtr		56
								Drill Water	CuMtr		48
								Cement G	mt		10
								Cement HT (Silica)	mt		
								Barite Bulk	mt		15
								Bentonite Bulk	mt		6
Pacific Wrangler				00:22 12 Jan 2006		On Location		Item	Unit	Used	Quantity
								Diesel	CuMtr		332.
								Fresh Water	CuMtr		18
								Drill Water	CuMtr		50
								Cement G	Mt		13
								Cement HT (Silica)	Mt		0
								Barite Bulk	Mt		8.
								Bentonite Bulk	Mt		4
Enroute Ocean Patriot from Eden ETA 04:00 -06:00 13 Jan 2006											
Helicopter Movement											
Flight #		Company		Arr/Dep. Time		Pax In/Out		Comment			
1		BRISTOW HELICOPTERS AUSTRALIA PTY LTD		15:45 / 16:55		7 / 5					