

21 Dec 2005

From: Westman/ Webby  
To: J Ah-Cann

**DRILLING MORNING REPORT # 10**  
**Culverin 1**

Well Data							
Country	Australia	MDBRT	1,525.0m	Cur. Hole Size	17.500in	AFE Cost	\$ 22699889
Field	Gippsland Basin	TVDBRT	1,525.0m	Last Casing OD	13.375in	AFE No.	3433-1001
Drill Co.	DOGC	Progress	0.0m	Shoe TVDBRT	1,511.1m	Daily Cost	\$ 636457
Rig	OCEAN PATRIOT	Days from spud	5.44	Shoe MDBRT	1,511.1m	Cum Cost	\$ 9677694
Wtr Dpth(MSL)	585.0m	Days on well	9.35	FIT/LOT:	/	Days Since Last LTI	946
RT-ASL(MSL)	21.5m	Planned TD MD	3,612.0m				
RT-ML	606.5m	Planned TD TVDRT	3,612.0m				
Current Op @ 0600				Running riser @257m (845').			
Planned Op				Continue running BOPs and riser.			

**Summary of Period 0000 to 2400 Hrs**

Landed 340 mm (13 3/8") casing and cemented in place at 1511.14 mMDRT. Laid down cement head and rigged up riser handling equipment. Commenced running BOPs and riser.

**Operations For Period 0000 Hrs to 2400 Hrs on 21 Dec 2005**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	P	CRN	0000	0100	1.00	1,525.0m	Complete making up 18 3/4 well head and Dowell Deep Sea express plug baskets.
IH	P	CRN	0100	0230	1.50	1,525.0m	Ran 13 3/8" casing string on 5" dp to 30" housing. ROV observe landing and latching of Well Head in housing. String weight 350klbs, verify latch with 50k over pull, 400klbs ok. Slack off to landing string weight.
IH	P	CIC	0230	0400	1.50	1,525.0m	Circulate 1.5 x casing volume with sea water. Complete cement job JSA and equipment prep while circulating.
IH	P	CMC	0400	0630	2.50	1,525.0m	Cement casing:25bbls S/W-dye, Lead 300bbls 12.5ppg, Tail 209bbls 15.8ppg.
IH	P	CMC	0630	0730	1.00	1,525.0m	Displace cement with 416bbls of sea water. Bump plugs 3.3bbls early, pressure up and test casing to 1500psi, ok. Bleed off and check floats holding ok.
IH	P	CRN	0730	0800	0.50	1,525.0m	Rig down surface cement lines and back out Cameron 18 3/4" C.A.R.T. PGB Bullseye readings: Fwd 1deg Stbd, Aft 1deg Stbd Aft.
IH	P	CRN	0800	0900	1.00	1,525.0m	Pull out of hole landing string.
IH	P	CRN	0900	1000	1.00	1,525.0m	Lay out 18 3/4" C.A.R.T from string, pick up and break out #2 18 3/4" handling tool. Break down Dowell express cement head and double of HWDP.
BOP	P	RR1	1000	1200	2.00	1,525.0m	Hold JSA and rig up to run BOP's and marine riser. Skid rig 15m to Port
BOP	P	RR1	1200	1430	2.50	1,525.0m	Make up double of Riser and Termination spool.
BOP	P	RR1	1430	1800	3.50	1,525.0m	Skid BOP to well center on Normar transporter. make up double and spool. Install guide lines.
BOP	P	RR1	1800	2130	3.50	1,525.0m	Pick up BOPs from carrier(550klbs) and skid clear, Run BOP to above splash zone and install Pod line clamps. Land riser in spider, BOP's wet 530klbs. Test Choke and Kill lines 250/7500psi 5/10mins.
BOP	P	RR1	2130	2400	2.50	1,525.0m	Run Bop's on Marine riser

**Operations For Period 0000 Hrs to 0600 Hrs on 22 Dec 2005**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
BOP	P	RR1	0000	0600	6.00	1,525.0m	Continue to run BOP's on marine riser @271m (890')

**Phase Data to 2400hrs, 21 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)	92.5	17 Dec 2005	21 Dec 2005	210.50	8.771	1,525.0m

## Phase Data to 2400hrs, 21 Dec 2005

Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
RISER AND BOP STACK(BOP)	14	21 Dec 2005	21 Dec 2005	224.50	9.354	1,525.0m

## WBM Data

**Cost Today \$ 5570**

Mud Type:	PHG Hi-Vis	API FL:	13.0cc/30min	Cl:	600mg/l	Solids(%vol):	Viscosity	100sec/qt
Sample-From:	Pits	Filter-Cake:	1/32nd"	K+C*1000:		H2O:	PV	10cp
Time:	0900	HTHP-FL:		Hard/Ca:	40mg/l	Oil(%):	YP	35lb/100ft²
Weight:	8.70ppg	HTHP-cake:		MBT:	18	Sand:	Gels 10s	24
Temp:	20C°			PM:		pH:	Gels 10m	26
				PF:	0.1		Fann 003	21
							Fann 006	24
							Fann 100	32
							Fann 200	35
							Fann 300	45
							Fann 600	55
Comment: Cleaned pits in prep for mixing new mud.								

## Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
Barite Bulk	MT	0		0	167.4
Bentonite Bulk	MT		0	0	35.3
Diesel	m3	0	0	0	461.1
Fresh Water	m3	0	0	0	163.7
Drill Water	m3		0	0	228.2
Cement G	MT	0	0	0	88.2
Cement HT (Silica)	MT		0	0	0.0

## 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 "	650.00	650.00		650.00	
13 3/8"	1511.14	1511.14	604.00		

## Personnel On Board

Company	Pax	Comment
DOGC	45	
DOGC	3	extra
ESS	8	
NEXUS	5	
FUGRO SURVEY LTD (ROV)	6	
DOWELL SCHLUMBERGER	3	
CAMERON AUSTRALIA PTY LTD	1	
M-1 AUSTRALIA PTY LTD	3	
GEOSERVICES OVERSEAS S.A.	5	
HALLIBURTON AUSTRALIA PTY LTD - SPERRY SUN	2	Sperry Sun
WEATHERFORD AUSTRALIA PTY LTD	4	
Total	85	

## HSE Summary

Events	Date of last	Days Since	Descr.	Remarks
Abandon Drill	18 Dec 2005	3 Days	Held weekly abandon rig drill	
Fire Drill	18 Dec 2005	3 Days	Held weekly fire drill	
JSA	21 Dec 2005	0 Days	Deck = 7, Mech = 2, Drill = 5, Welder = 2, Marine = 2,	
Safety Meeting	18 Dec 2005	3 Days	Weekly safety meetings with all crew members.	
STOP Card	21 Dec 2005	0 Days	Safe = 1, Un-safe = 4	

### Shakers, Volumes and Losses Data

<b>Available</b>	<b>210bbl</b>	<b>Losses</b>	<b>0bbl</b>	
Reserve	210bbl			
Comment 210bbbls of hi-vis sweep kept for drilling out 13 3/8 shoe track etc.				

### Marine

Weather on 21 Dec 2005								Rig Support	
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)
8.0nm	35kn	225.0deg	1,014.0mbar	23C°	2.0m	225.0deg	3s	1	265.0
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments		2	238.0
272.0deg		4,240.00klb	2.5m	225.0deg	8s			3	216.0
Comments								4	278.0
								5	324.0
								6	331.0
								7	357.0
								8	304.0

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Far Grip			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		352.9
				Fresh Water	CuMtr		155
				Drill Water	CuMtr		
				Cement G	Mt		
				Cement HT (Silica)	Mt		
				Barite Bulk	Mt		
				Bentonite Bulk	Mt		5

### Helicopter Movement

Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1231 / 1240	0 / 0	Freight chopper en-route to Crystal ocean