

17 Dec 2005

From: Westman/ Webby  
To: J Ah-Cann

**DRILLING MORNING REPORT # 6**

**Culverin 1**

Well Data							
Country	Australia	MDBRT	650.9m	Cur. Hole Size	36.000in	AFE Cost	\$ 22699889
Field	Gippsland Basin	TVDBRT	650.9m	Last Casing OD	30.000in	AFE No.	3433-1001
Drill Co.	DOGC	Progress	356.0m	Shoe TVDBRT		Daily Cost	\$ 487963
Rig	OCEAN PATRIOT	Days from spud	1.44	Shoe MDBRT	650.9m	Cum Cost	\$ 7338005
Wtr Dpth(MSL)	585.0m	Days on well	5.35	FIT/LOT:	/	Days Since Last LTI	942
RT-ASL(MSL)	21.5m	Planned TD MD					
RT-ML	606.5m	Planned TD TVDRT					
Current Op @ 0600		Trouble shoot Sperry Sun down hole tools. Swapping out internals of MWD with back up equipment.					
Planned Op		Drill out 20" casing shoe, commence drilling 17 1/2" hole to proposed TD of 1500m with sea water and hi-vis sweeps. Survey hole with Sperry Sun.					

**Summary of Period 0000 to 2400 Hrs**

Ran and cemented 30" casing. Waited on cement samples to harden 4.5hrs. POOH, picked up 1172m of dp( extra pipe picked up while waiting on MWD equipment preparation), made up and racked 18 3/4" CART, Dowell cement express head. Layed out 36" BHA and picked up 17 1/2" BHA and Sperry Sun equipment.  
Prepare rig deck areas for riser.

**Operations For Period 0000 Hrs to 2400 Hrs on 17 Dec 2005**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
SC	P	CRN	0000	0200	2.00	650.0m	Ran 30" casing & PGB on drill pipe.
SC	TP (OTH)	SKR	0200	0330	1.50	650.0m	Stabbed casing in open hole with ROV assistance and by moving the rig 4m stbd aft.
SC	P	CRN	0330	0400	0.50	650.0m	Landed out casing with 5klbs of wt down. Circulate to ensure no fill. 2.1m stcik up, 2 x zero bullseye readings. Heading 273 deg. Circulate casing volume while holding JSA for cement job.
SC	P	CMC	0400	0530	1.50	650.0m	Pumped 20bbbls of S/W-Dye, mix and pump 200bbbls of 15.8ppg cement slurry, displace with 64bbbls of S/W. Check floats holding-ok.
SC	P	WOC	0530	1000	4.50	650.0m	Waiting on surface cement samples to harden.
SC	P	CRN	1000	1100	1.00	650.0m	Release 30" CART tool. Check bullseye indicators<¼°. POOH & L/d 30" CART.
IC	P	CRN	1100	1200	1.00	650.0m	P/u 18¾" CART and stand in derrick. Make up 2nd 18 3/4" CART for handling well head on deck.
IH	P	PUP	1200	1800	6.00	650.0m	P/u 722m of dp and rack in derrick.(Prepare Sperry Sun BHA on deck while picking up dp)
SH	P	HT	1800	1930	1.50	650.0m	Break down TIW valves and side entry sub from 30" cement stand racked in derrick. Lay out 36" BHA.
IH	P	PUP	1930	2100	1.50	650.0m	Pick up 143m of dp and rack in derrick while [preparing Sperry Sun BHA components.
IH	P	HT	2100	2130	0.50	650.0m	Make up Dowell cement express head and rack in derrick on drifted HWDP.
IH	P	PUP	2130	2330	2.00	650.0m	Pick up 257m of dp and rack in derrick while preparing Sperry Sun BHA components. Total 5" dp picked up 2723m
IH	P	HBHA	2330	2400	0.50	650.0m	Make up 17 1/2" BHA.

**Operations For Period 0000 Hrs to 0600 Hrs on 18 Dec 2005**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	P	HBHA	0000	0330	3.50	650.0m	Made up 17 1/2" Sperry Sun BHA, drill collars etc. Made up Top Drive for shallow test of down hole equipment on 1st stand of hwdp.
IH	TP (DTF)	HBHA	0330	0500	1.50	650.0m	Attempt to test MWD tools. Failure to produce survey information. Gamma ok. Change out stand pipe sensor after discussing with Sperry Sun in Perth. Re-test down hole tools, still not transmitting survey data
IH	TP (DTF)	HBHA	0500	0600	1.00	650.0m	(IN PROGRESS) POOH and Rack back BHA from 103m to access MWD internals at rotary table. Remove faulty unit and install back up unit. Run in hole to 103m. Shallow test OK. Battery module is the suspected faulty item.

## Phase Data to 2400hrs, 17 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)	10.5	17 Dec 2005	17 Dec 2005	128.50	5.354	650.0m

## WBM Data Cost Today \$ 3057

Mud Type: PHG Hi-Vis	API FL:	Cl:	Solids(%vol):	Viscosity	120sec/qt
Sample-From: Pits	Filter-Cake:	K+C*1000:	H2O:	PV	
Time: 2300	HTHP-FL:	Hard/Ca:	Oil(%):	YP	
Weight: 8.70ppg	HTHP-cake:	MBT:	Sand:	Gels 10s	
Temp:		PM:	pH:	Gels 10m	
		PF:	PHPA:	Fann 003	
				Fann 006	
				Fann 100	
				Fann 200	
				Fann 300	
				Fann 600	
Comment					

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)	10.20klb	No.	Size	Progress	356.0m	Cum. Progress		356.0m		
Type:	Rock	RPM(avg)	145	1	16/32nd"	On Bottom Hrs	6.1h	Cum. On Btm Hrs		6.1h		
Serial No.:	B73369	F.Rate	981.00bpm	3	22/32nd"	IADC Drill Hrs		Cum IADC Drill Hrs		0.0h		
Bit Model	Titan T-11	SPP	830psi			Total Revs	53	Cum Total Revs		53		
Depth In	650.9m	HSI				ROP(avg)	58.36 m/hr	ROP(avg)		58.36 m/hr		
Depth Out		TFA	1.31									
Bit Comment												

## Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
Barite Bulk	MT	0		0	167.4
Bentonite Bulk	MT		3.29	0	56.2
Diesel	m3	0	10.8	0	211.1
Fresh Water	m3	30	26.4	0	157.1
Drill Water	m3	461	192.6	0	604.9
Cement G	MT	0	37.4	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 "	650.90	650.90		650.90	

## Personnel On Board

Company	Pax	Comment
DOGC	46	
DOGC	3	extra
ESS	8	
NEXUS	3	
FUGRO SURVEY LTD (ROV)	6	
DOWELL SCHLUMBERGER	3	
CAMERON AUSTRALIA PTY LTD	1	
M-1 AUSTRALIA PTY LTD	2	

### Personnel On Board

GEOSERVICES OVERSEAS S.A.	2	Sperry Sun
HALLIBURTON AUSTRALIA PTY LTD - SPERRY SUN	2	
WEATHERFORD AUSTRALIA PTY LTD	4	
<b>Total</b>	<b>80</b>	

### HSE Summary

Events	Date of last	Days Since	Descr.	Remarks
JSA	17 Dec 2005	0 Days	Deck = 10, Mech = 3, Drill = 7, Sub Sea = 3	
STOP Card	17 Dec 2005	0 Days	Safe = 4, Un-safe = 3	

### Marine

Weather on 17 Dec 2005								Rig Support	
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)
10.0nm	30kn	225.0deg	1,009.0mbar	19C°	2.0m	225.0deg	3s	1	254.0
								2	278.0
								3	220.0
								4	291.0
								5	328.0
								6	335.0
								7	340.0
								8	313.0
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments			
272.0deg		4,598.00klb	1.0m	225.0deg	6s				
Comments									

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Far Grip			on standby	Item	Unit	Used	Quantity
				Diesel	CuMtr		244
				Fresh Water	CuMtr		310
				Drill Water	CuMtr		40
				Cement G	Mt		80
				Cement HT (Silica)	Mt		54
				Barite Bulk	Mt		89
Pacific Wrangler			In town loading riser	Item	Unit	Used	Quantity
				Diesel	CuMtr		178.7
				Fresh Water	CuMtr		116
				Drill Water	CuMtr		
				Cement G	Mt		
				Cement HT (Silica)	Mt		
				Barite Bulk	Mt		
				Bentonite Bulk	Mt		

### Helicopter Movement

Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1400 / 1410	7 / 3	