

18 Dec 2005

From: Westman/ Webby  
To: J Ah-Cann

**DRILLING MORNING REPORT # 7**

**Culverin 1**

Well Data							
Country	Australia	MDBRT	650.0m	Cur. Hole Size	36.000in	AFE Cost	\$ 22699889
Field	Gippsland Basin	TVDBRT	1,006.0m	Last Casing OD	30.000in	AFE No.	3433-1001
Drill Co.	DOGC	Progress	356.0m	Shoe TVDBRT		Daily Cost	\$ 454106
Rig	OCEAN PATRIOT	Days from spud	2.44	Shoe MDBRT	650.9m	Cum Cost	\$ 7792111
Wtr Dpth(MSL)	585.0m	Days on well	6.35	FIT/LOT:	/	Days Since Last LTI	943
RT-ASL(MSL)	21.5m	Planned TD MD					
RT-ML	606.5m	Planned TD TVDRT					
Current Op @ 0600 Drilling ahead 17 1/2" hole @1144m							
Planned Op Drill ahead to TD of, circulate and condition hole for casing. Displace hole to PHG, trip to 20" shoe. If ok trip out for casing, if problems encountered then wipe back to btm and repeat above. POOH and run 13 3/8" casing.							

Summary of Period 0000 to 2400 Hrs							
make up 17 1/2" BHA, RIH and shallow test MWD, tool failure. POOH to surface and change out tool internals for back up unit. RIH to PGB, unable top stab. Soft line guide ropes parted, attempts to move rig were restricted by high anchor tensions and rough weather. POOH and install new ropes. RIH and stab in ok. Drill cmt and shoe. Drill 17 1/2" hole from 650m to 1006m using SW and hi vis sweeps. Surveys every 3 stands.							

**Operations For Period 0000 Hrs to 2400 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	0830	3.50	650.0m	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.
IH	P	TI	0830	0930	1.00	650.0m	Cont to RIH from 103m to PGB at 604m, guide ropes attached to guide lines
IH	TP (OTH)	TI	0930	1030	1.00	650.0m	Move rig to assist with stabbing drill string in 30" housing. Initially guide ropes ok but due to excess current and movement 2 broke then the remaining 2.
IH	TP (OTH)	TI	1030	1400	3.50	650.0m	Skid rig to assist with stabbing, due to 5-6m seas and 42knot winds the winch tension was excessive before sea bed movement was achieved.
IH	P	DFS	1400	1430	0.50	650.0m	POOH from 604m to surface, install new soft line guide ropes to assist in stabbing. RIH to PGB at 605m, stab and continue RIH to top of cement at 644m.
IH	P	DA	1430	2400	9.50	1,006.0m	Establish parameters and drill cement and shoe equipment from 644m to 650m, work through and clean out shoe. 600 gpm, 900psi, 3-4000ftlbs, 90rpm, Drill 17 1/2" hole from 650m to 1006m. Take surveys every 3rd stand. 600-1100 gpm, 2500psi, 3-4000 ftlbs tq, 120-150rpm, String wt 220klbs, 5-20klbs WOB. Sweep hole 75 to 85bbls per stand.

**Operations For Period 0000 Hrs to 0600 Hrs on 19 Dec 2005**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	P	DA	0000	0600	6.00	1,436.0m	(IN PROGRESS) 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 85bbls per stand-35 Guar-50 PHG. No hole problems to report. 24hr ROP 17.9m/hr Section ROP 23.46m/hr

Phase Data to 2400hrs, 18 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	



Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
Bentonite Bulk	MT		7.86	0	48.4	
Diesel	m3	0	10.8	0	200.3	
Fresh Water	m3	30	29.8	0	157.3	
Drill Water	m3		118	0	486.9	
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	8.60	97	100	2450	12.00											
2	12P160	6.500	8.60	97	100	2450	12.00											

Casing						
OD (in)	Csg Shoe MD (m)	Csg Shoe TVD (m)	Csg Landing Depth MD (m)	Csg Landing Depth TVD (m)	LOT/FIT (ppg)	
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	Sperry Sun
WEATHERFORD AUSTRALIA PTY LTD	4	
Total	80	

HSE Summary				
Events	Date of last	Days Since	Descr.	Remarks
Abandon Drill	18 Dec 2005	0 Days	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	0 Days	Held weekly fire drill	
JSA	18 Dec 2005	0 Days	Deck = 6, Mech = 3, Drill = 6, Sub Sea =2	
Safety Meeting	18 Dec 2005	0 Days	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	18 Dec 2005	0 Days	Safe = 0, Un-safe = 2	

Shakers, Volumes and Losses Data			
Available	1,911bbl	Losses	1,020bbl
Reserve	1,911bbl	Sweeps	1,020bbl

Marine
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Weather on 18 Dec 2005								Rig Support	
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)
8.0nm	45kn	225.0deg	1,011.0mbar	16C°	3.0m	225.0deg	3s	1	291.0
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments			
272.0deg		4,632.00klb	3.0m	225.0deg	8s				
Comments									
								2	265.0
								3	220.0
								4	254.0
								5	287.0
								6	317.0
								7	390.0
								8	331.0
Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks					
Far Grip			on standby	Item	Unit	Used	Quantity		
				Diesel	CuMtr		236		
				Fresh Water	CuMtr		307		
				Drill Water	CuMtr		40		
				Cement G	Mt		80		
				Cement HT (Silica)	Mt		54		
				Barite Bulk	Mt		89		
Pacific Wrangler			In town waiting on weather to improve prior.	Item	Unit	Used	Quantity		
				Diesel	CuMtr				
				Fresh Water	CuMtr				
				Drill Water	CuMtr				
				Cement G	Mt				
				Cement HT (Silica)	Mt				
				Barite Bulk	Mt				
				Bentonite Bulk	Mt				