

DRILLING MORNING REPORT # 29
Culverin 1

09 Jan 2006

From: Ron King/ Geoff Webster
To: J Ah-Cann

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	\$0
Rig	OCEAN PATRIOT	Days from spud	24.44	Shoe MDBRT	1511.8m	Cum Cost	\$18,594,178
Wtr Dpth (LAT)	585.0m	Days on well	27.77	FIT/LOT:	/ 15.80ppg	Days Since Last LTI	965
RT-ASL (LAT)	21.5m	Planned TD MD					
RT-ML	606.5m	Planned TD TVDRT					
Current Op @ 0600		RIH to tag Abandonment plug # 3					
Planned Op		Tag plug #3, POOH and set abandonment plug #4, POOH, recover wear bushing. Recover BOP's and riser					

Summary of Period 0000 to 2400 Hrs
Set abandonment plugs #1, 2 & 3

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 09 Jan 2006

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PA	P	TI	0000	0300	3.00	3758.0m	Continued to RIH with 5" DP from 2293m MDRT to 3750m MDRT
PA	P	CMD	0300	0330	0.50	3758.0m	Circulated bottoms up at 210 SPM = 900 GPM = 3200 psi. Rotate DP at 40 - 50 RPM
PA	TP (RE)	RR	0330	0400	0.50	3758.0m	Worked on mud pump SCRs. Rotated and reciprocated drillstring during repairs
PA	P	CHC	0400	0500	1.00	3758.0m	Continued to circulate bottoms up at 210 SPM = 900 GPM = 3200 psi
PA	P	CMP	0500	0630	1.50	3758.0m	Held pre job safety meeting. Rigged up Dowell cementing line and pressure tested to 1000 psi. Mixed and pumped abandonment plug # 1; 102 bbl 15.8 ppg, HTB blend + additives (see report). Displaced with 195 bbls drilling fluid at 10.1 ppg
PA	P	TO	0630	0730	1.00	3758.0m	Plug #1 set from 3750m MDRT to 3560m MDRT.
PA	P	CHC	0730	0900	1.50	3758.0m	POOH from cement plug # 1 from 3750m MDRT to 3420m MDRT slowly
PA	P	TO	0900	1000	1.00	3758.0m	Circulated bottoms up to clear drillpipe
PA	P	TO	0900	1000	1.00	3758.0m	POOH From 3420m MDRT to 2965m MDRT
PA	P	CMD	1000	1030	0.50	3758.0m	POOH From 3420m MDRT to 2965m MDRT
PA	P	CMD	1000	1030	0.50	3758.0m	Circulated and spotted 60 bbl high visc pill
PA	P	TO	1030	1100	0.50	3758.0m	POOH from 2965m MDRT to 2865m MDRT
PA	P	CMP	1100	1200	1.00	3758.0m	POOH from 2965m MDRT to 2865m MDRT
PA	P	CMP	1100	1200	1.00	3758.0m	Held pre job safety meeting. Pressure tested cementing line to 1000 psi. Mixed and pumped abandonment plug # 2; 64.3 bbl 15.8 ppg, HTB blend + additives (see report). Displaced with 149 bbls drilling fluid at 10.1 ppg
PA	P	TO	1200	1230	0.50	3758.0m	Plug #2 set from 2865m MDRT to 2745m MDRT.
PA	P	TO	1200	1230	0.50	3758.0m	POOH from plug #2 from 2865m MDRT to 2575m MDRT
PA	P	CHC	1230	1400	1.50	3758.0m	POOH from plug #2 from 2865m MDRT to 2575m MDRT
PA	P	CHC	1230	1400	1.50	3758.0m	Circulated bottoms up
PA	P	WOC	1400	1730	3.50	3758.0m	WOC. Laid down 54 jts 5" DP
PA	P	TI	1730	1830	1.00	3758.0m	RIH and tagged TOC plug #2 with 5 klbs at 2735m MDRT
PA	P	TO	1830	2030	2.00	3758.0m	POOH from 2735m MDRT to 1650m MDRT
PA	P	CMD	2030	2100	0.50	3758.0m	Circulated and spotted 60 bbls high visc pill at 1650m MDRT
PA	P	TO	2100	2130	0.50	3758.0m	POOH from 1650m MDRT to 1550m MDRT. Rigged up cementing hose
PA	P	CMP	2130	2230	1.00	3758.0m	POOH from 1650m MDRT to 1550m MDRT. Rigged up cementing hose
PA	P	CMP	2130	2230	1.00	3758.0m	Held pre job safety meeting. Pressure tested cementing line to 1000 psi. Mixed and pumped abandonment plug # 3; 70.4 bbl 15.8 ppg, HTB blend + additives (see report). Displaced with 74 bbls drilling fluid at 10.1 ppg

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PA	P	TO	2230	2300	0.50	3758.0m	Plug #3 set from 1550m MDRT to 1430m MDRT.
PA	P	CMD	2300	2400	1.00	3758.0m	Rigged down cementing hose. POOH from cement plug #3
							Circulated bottoms up. Spotted 260 bbls inhibited mud in casing.

Operations For Period 0000 Hrs to 0600 Hrs on 10 Jan 2006

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
PA	P	TO	0000	0300	3.00	3758.0m	Pumped slug. POOH and laid down 60 jts of 5" drillpipe from 1262m MDRT to 688m MDRT
PA	P	TI	0300	0400	1.00	3758.0m	RIH from 688m MDRT to 1204m MDRT to tag cement plug #3. Cement samples not firm.
PA	P	TO	0400	0530	1.50	3758.0m	Laid down drill pipe from 1204m MDRT to 917m MDRT.
PA	P	TI	0530	0600	0.50	3758.0m	RIH from 917m MDRT to 975m MDRT to tag cement plug #3

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 09 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
RISER AND BOP STACK(BOP)	54	21 Dec 2005	23 Dec 2005	158.00	6.583	1525.0m
INTERMEDIATE HOLE(IH)	480	17 Dec 2005	08 Jan 2006	638.00	26.583	3758.0m
PLUG AND ABANDON(PA)	28.5	08 Jan 2006	09 Jan 2006	666.50	27.771	3758.0m

WBM Data Cost Today \$ 0

Mud Type:KCL-NaCl-Polymer	API FL: 3.6cc/30min	Cl: 79000mg/l	Solids(%vol): 10%	Viscosity 59sec/qt
Sample-From: Active Pit	Filter-Cake: 1/32nd"	K+C*1000: 7%	H2O: 90%	PV 16cp
Time: 20:00	HTHP-FL: 11.0cc/30min	Hard/Ca: 240mg/l	Oil(%): 0%	YP 28lb/100ft ²
Weight: 10.20ppg	HTHP-cake: 1/32nd"	MBT: 5	Sand: .7	Gels 10s 7
Temp: 49C°		PM: 0.35	pH: 9	Gels 10m 10
		PF: 0.04	PHPA: 1ppb	Fann 003 6
				Fann 006 8
				Fann 100 28
				Fann 200 38
				Fann 300 44
				Fann 600 60
Comment	NaCl 8%. Ditch Magent recovery = N/A			

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
Barite Bulk	MT	0	8.2	0	27.1
Bentonite Bulk	MT	0	0	0	22.2
Diesel	m3	0	12.7	0	208.4
Fresh Water	m3	26	21.8	0.1	181.1
Drill Water	m3	0	36.1	0	306.4
Cement G	MT		0	0	18.0
Cement HT (Silica)	MT	0	54	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	50	
ESS	8	
NEXUS	3	
FUGRO SURVEY LTD (ROV)	8	6 X ROV, 2 X Surveyors
DOWELL SCHLUMBERGER	2	
M-1 AUSTRALIA PTY LTD	3	One swaco hand for new shaker being assessed for Diamond
GEOSERVICES OVERSEAS S.A.	3	
SCHLUMBERGER OILFIELD AUSTRALIA PTY LTD	2	
CAMERON AUSTRALIA PTY LTD	1	
MO47 CREW	2	
SMITH BITS	1	
Total	83	

HSE Summary				
Events	Date of last	Days Since	Descr.	Remarks
Abandon Drill	08 Jan 2006	1 Day	Held weekly abandon rig drill	
Environmental Issue	29 Dec 2005	11 Days	Environmental Audit	Environmental audit by Nexus shorebase personnel.
Fire Drill	08 Jan 2006	1 Day	Held weekly fire drill	
JSA	09 Jan 2006	0 Days	Deck = 6, Mech = 3, Drill = 10, Welder = 2	
Man Overboard Drill	30 Dec 2005	10 Days	Held Man Over Board Drill	
Safety Meeting	08 Jan 2006	1 Day	Weekly safety meetings with all crew members.	
STOP Card	09 Jan 2006	0 Days	Safe = 3, Un-safe = 1	

Shakers, Volumes and Losses Data						
Available	2,748bbl	Losses	0bbl	Equip.	Descr.	Mesh Size
Active	363.9bbl			Shaker1	VSM 100	230, 2 X 165, 120
Hole	2,274.1bbl			Shaker2	VSM 100	2 X 230, 2 X 200
Reserve	110bbl			Shaker3	VSM 100	4 X 120
				Shaker4	BEM650	2 X 200, 2 X 165

Marine									
Weather on 09 Jan 2006							Rig Support		
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)
10.0nm	12kn	0.0deg	1015.0mbar	24C°	0.5m	0.0deg	-1s	1	302.0
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments		2	287.0
272.0deg	528.00klb	4331.00klb	1.5m	70.0deg	8s			3	223.0
Comments								4	251.0
								5	267.0
								6	198.0
								7	289.0
								8	251.0

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Far Grip		23:10 8 Jan 2006	Eden	Item	Unit	Used	Quantity
				Diesel	CuMtr		287
				Fresh Water	CuMtr		580
				Drill Water	CuMtr		480
				Cement G	mt		105
				Cement HT (Silica)	mt		
				Barite Bulk	mt		154
				Bentonite Bulk	mt		68

Pacific Wrangler	04:40 08 Jan, 2006		On Location	Item	Unit	Used	Quantity
				Diesel	CuMtr		355.3
				Fresh Water	CuMtr		196
				Drill Water	CuMtr		650
				Cement G	Mt		137
				Cement HT (Silica)	Mt		0
				Barite Bulk	Mt		8.26
				Bentonite Bulk	Mt		42

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	09:45 / 10:00	5 / 10	