

08 Jan 2006

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

DRILLING MORNING REPORT # 28
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	\$495,998
Rig	OCEAN PATRIOT	Days from spud	23.44	Shoe MDBRT	1511.8m	Cum Cost	\$18,594,178
Wtr Dpth (LAT)	585.0m	Days on well	26.77	FIT/LOT:	/ 15.80ppg	Days Since Last LTI	964
RT-ASL (LAT)	21.5m	Planned TD MD					
RT-ML	606.5m	Planned TD TVDRT					
Current Op @ 0600		Pumping plug #1 to P & A well.					
Planned Op		Complete P & A program.					

Summary of Period 0000 to 2400 Hrs

Completed PEX run. Rigged up seismic tools and completed seismic survey. Rigged down wireline tools and wireline. Commenced P & A program.

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 08 Jan 2006

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	P	LOG	0000	0500	5.00	3758.0m	RIH with log #1, PEX combo GR/PEX/HALS/DSI. Performed repeat pass from 3675m MDRT to 3575m MDRT (23:30 hrs). Perform main Log (from 00:10) GR: TD to Seafloor, PEX Hi Res: TD to 2775m MDRT, HALS: TD to 1511m MDRT, DSI: P&S and Upper Dipole mode from 3758m MDRT to 2775m MDRT, P&S Mode from 2775m MDRT to 1511m MDRT
IH	P	LOG	0500	0800	3.00	3758.0m	Rigged down Run #1 Wireline tools. Made up Run #2; VSP
IH	P	LOG	0800	1400	6.00	3758.0m	RIH and perform VSP. Checkshots at 1559m, 2541m and 3509m MDRT Main pass from 3750m to 3200m MDRT at 15m spacing and 3200m to sea floor at 100m spacing
IH	TP (OTH)	LOG	1400	1430	0.50	3758.0m	Troubleshoot network cabling problem with computer hardware in logging unit
IH	P	LOG	1430	1800	3.50	3758.0m	Continued with VSP main pass from 3750m to 3200m MDRT at 15m spacing and 3200m to sea floor at 100m spacing
IH	P	LOG	1800	1930	1.50	3758.0m	Wireline at surface. Laid down VSP toolstring. Rigged out wireline running equipment
PA	P	TI	1930	2400	4.50	3758.0m	Picked up side entry sub and 2 X TIW valves, made up cementing stand and racked back same. Picked up 5" mule shoe and RIH with 5" DP to 2293m MDRT

Operations For Period 0000 Hrs to 0600 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	CMD	0400	0500	1.00	3758.0m	Continued to circulate bottoms up at 210 SPM = 900 GPM = 3200 psi
PA	P	CMP	0500	0600	1.00	3758.0m	Mixed and pumped abandonment plug # 1; 102 bbl 15.8 ppg, HTB blend + additives.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 08 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)	4.5	08 Jan 2006	08 Jan 2006	642.50	26.771	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/100ft²
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	0	-0.1	35.3	
Bentonite Bulk	MT	0	0	0	22.2	
Diesel	m3	0	9.9	0	221.1	
Fresh Water	m3	25	22	0	176.8	
Drill Water	m3	0	12	0	342.5	
Cement G	MT		0	0	18.0	
Cement HT (Silica)	MT	0	0	0	54.0	

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	5	
FUGRO SURVEY LTD (ROV)	6	
DOWELL SCHLUMBERGER	2	
M-1 AUSTRALIA PTY LTD	3	
GEOSERVICES OVERSEAS S.A.	6	
SCHLUMBERGER OILFIELD AUSTRALIA PTY LTD	7	
CAMERON AUSTRALIA PTY LTD	1	
	88	One swaco hand for new shaker being assessed for Diamond
Total	88	

Events	Date of last	Days Since	Descr.	Remarks
Abandon Drill	08 Jan 2006	0 Days	Held weekly abandon rig drill	Environmental audit by Nexus shorebase personnel.
Environmental Issue	29 Dec 2005	10 Days	Environmental Audit	
Fire Drill	08 Jan 2006	0 Days	Held weekly fire drill	
JSA	08 Jan 2006	0 Days	Deck = 4, Mech = 3, Drill = 2, Welder = 3	
Man Overboard Drill	30 Dec 2005	9 Days	Held Man Over Board Drill	
Safety Meeting	08 Jan 2006	0 Days	Weekly safety meetings with all crew members.	
STOP Card	08 Jan 2006	0 Days	Safe = 7, Un-safe = 3	

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
				Shaker3	VSM 100	4 X 120
Reserve	110bbl			Shaker4	BEM650	2 X 200, 2 X 165

Weather on 08 Jan 2006								Rig Support	
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)
10.0nm	21kn	90.0deg	1019.0mbar	22C°	0.5m	90.0deg	3s	1	298.0
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments		2	287.0
272.0deg	528.00klb	4331.00klb	1.5m	135.0deg	8s			3	223.0
Comments								4	240.0
								5	265.0
								6	198.0
								7	320.0
								8	247.0

Depart Ocean Patriot for Crystal Ocean 08:00 (Fuel on board = 623.85 m3). Return Ocena PAtriot (Fuel on Board = 370.68 m3) @ 13:00

Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	09:27 / 09:55	7 / 7	