

06 Jan 2006

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

DRILLING MORNING REPORT # 26

Culverin 1

Well Data							
Country	Australia	MDBRT	3758.0m	Cur. Hole Size	12.250in	AFE Cost	\$ 22699889
Field	Gippsland Basin	TVDBRT	3753.8m	Last Casing OD	13.375in	AFE No.	3433-1001
Drill Co.	DOGC	Progress	61.0m	Shoe TVDBRT	1511.8m	Daily Cost	\$ 556712
Rig	OCEAN PATRIOT	Days from spud	21.44	Shoe MDBRT	1511.8m	Cum Cost	\$ 17493609
Wtr Dpth (LAT)	585.0m	Days on well	24.77	FIT/LOT:	/ 15.80ppg	Days Since Last LTI	962
RT-ASL (LAT)	21.5m	Planned TD MD					
RT-ML	606.5m	Planned TD TVDRT					
Current Op @ 0600		Recording LWD Wipe from 3575.0 - 3630.0 mMDRT.					
Planned Op		Drill ahead 311 mm (12 1/4") hole to TD, POOH, run wireline logs.					

Summary of Period 0000 to 2400 Hrs

Drilled ahead from 3697.0 mMDRT to 3758.0 mMDRT at midnight. TD well at 3758.0 mMDRT. Commenced POOH to log.

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 06 Jan 2006

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	P	DA	0000	0400	4.00	3697.0m	Drilled ahead 311mm (12 1/4") hole from 3697m MDRT to 3714m MDRT. WOB = 30 - 35 klbs, RPM = 80- 120, SPM = 187 = 800 GPM, 4050 psi, Tq = 5500 - 7500 ftlb. Average ROP = 4.3 m/hr
IH	U	RR	0400	0430	0.50	3714.0m	LWD tools stopped pulsing Backed out IBOP on connection. Re aligned top drive and screwed back into IBOP. Torqued same to 78000 ftlbs. Confirmed alignment of breakout/Make up system
IH	P	DA	0430	2400	19.50	3758.0m	Troubleshooted LWD tools. No sucess. Drilled Ahead 311mm (12 1/4") hole from 3714m MDRT to 3758m MDRT WOB = 30 - 35, RPM = 100 - 130, SPM = 188 = 800 GPM = 4050 psi, Tq = 7000 - 8500 ftlb, Average ROP = 2.3 m/hr

Operations For Period 0000 Hrs to 0600 Hrs on 07 Jan 2006

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	P	CS	0000	0200	2.00	3758.0m	Circulated bottoms up sample at 188 spm (800 GPM) from 3758m MDRT
IH	P	TO	0200	0300	1.00	3758.0m	Flow checked 15 minuted, good. POOH from 3758m MDRT to 3668m MDRT
IH	U	LOG	0300	0600	3.00	3758.0m	(IN PROGRESS) Logged up with LWD for confirmation data from 3668m MDRT to 3582m MDRT at 30m/hr and 20 - 25 RPM

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 06 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)	436.5	17 Dec 2005	06 Jan 2006	594.50	24.771	3758.0m

WBM Data				Cost Today \$ 302					
Mud Type:KCL-NaCl-Polymer		API FL:	3.8cc/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	15cp
Time:	21:30	HTHP-FL:	11.0cc/30min	Hard/Ca:	240mg/l	Oil(%):	0%	YP	30lb/100ft²
Weight:	10.20ppg	HTHP-cake:	1/32nd"	MBT:	5	Sand:	.7	Gels 10s	7
Temp:	49C°			PM:	0.3	pH:	9	Gels 10m	11
				PF:	0.06	PHPA:	1ppb	Fann 003	6
								Fann 006	9
								Fann 100	28
								Fann 200	39
								Fann 300	45
								Fann 600	60
Comment		NaCl 8%. Ditch Magent recovery = 92 grams							

Bit # 5RR				Wear	I	O1	D	L	B	G	O2	R
				Bitwear Comments:								
Size ("):	12.250in	IADC#	5-3-7	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	SMITH BITS	WOB(avg)	37.00klb	No. Size		Progress		61.0m	Cum. Progress		187.0m	
Type:	Rock	RPM(avg)	115	3	20/32nd"	On Bottom Hrs		21.3h	Cum. On Btm Hrs		55.9h	
Serial No.:	MX1628	F.Rate	19.00bpm			IADC Drill Hrs		23.5h	Cum IADC Drill Hrs		61.5h	
Bit Model	GF30BOVCPS	SPP	4045psi			Total Revs		154	Cum Total Revs		293	
Depth In	3571.0m	HSI				ROP(avg)		2.86 m/hr	ROP(avg)		3.35 m/hr	
Depth Out		TFA	0.9204									
Bit Comment												

BHA # 6						
Weight(Wet)	65.00klb	Length	276.3m	Torque(max)	8700ft-lbs	D.C. (1) Ann Velocity 256fpm
Wt Below Jar(Wet)	45.00klb	String	385.00klb	Torque(Off.Btm)	3000ft-lbs	D.C. (2) Ann Velocity 384fpm
		Pick-Up	375.00klb	Torque(On.Btm)	7200ft-lbs	H.W.D.P. Ann Velocity 176fpm
		Slack-Off	385.00klb			D.P. Ann Velocity 176fpm

BHA Run Description Annular velocity based on 900gpm

BHA Run Comment

Equipment	Length	OD	ID	Serial #	Comment
Bit	0.33m	12.250in		MX1628	Smith GF30BOVCPS
Bit Sub	1.10m	8.500in		1860001	
8in DC	9.04m	7.875in	2.875in	1860001	
Stab	1.81m	12.125in	2.875in	694776	
MWD	24.41m	8.000in	1.920in		
					Non-mag integral blade string stab
					DIR/HCIM-EWR-DGR-CTN-SLD-ACAL-HOC.
8in DC	9.06m	8.000in	2.875in	18600011	Integral blade string stabilizer
Stab	2.10m	12.125in	2.875in	47607	
8in DC	70.57m	8.000in	2.875in		
Drilling Jars	9.66m	8.188in	3.063in	MHA00206	
8in DC	8.81m	8.000in	2.875in	18600031	
X/O	1.16m	8.500in	2.875in	MSO1930-2	
5in HWDP	138.22m	5.000in	2.875in		

Survey								
MD	Incl	Azim	TVD	Vsec	N/-S	E/-W	DLS	Tool Type
(m)	(deg)	(deg)	(m)	(deg)	(m)	(m)	(deg/30m)	
3758.00	3.0	50.2	3753.86	113.1	89.7	68.9	0.0	MWD

Bulk Stocks					
Name	Unit	In	Used	Adjust	Balance
Barite Bulk	MT	0	0	-78.44	35.4
Bentonite Bulk	MT	0	0	-15.9	22.2
Diesel	m3	0	32.1	0	260.9

Bulk Stocks					
Name	Unit	In	Used	Adjust	Balance
Fresh Water	m3	33	30.2	0	173.5
Drill Water	m3	0	96.3	0	378.6
Cement G	MT		0	0	79.9
Cement HT (Silica)	MT	54	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	94	4000	9.58	3600.0	30	380	3.00	40	475	4.00	50	580	5.00
2	12P160	6.000	10.20	97	94	4000	9.58	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)	3	
DOWELL SCHLUMBERGER	2	
M-1 AUSTRALIA PTY LTD	3	One swaco hand for new shaker being assessed for Diamond
GEOSERVICES OVERSEAS S.A.	6	
HALLIBURTON AUSTRALIA PTY LTD - SPERRY SUN	4	One trainee
SCHLUMBERGER OILFIELD AUSTRALIA PTY LTD	7	
Total	88	

HSE Summary				
Events	Date of last	Days Since	Descr.	Remarks
Abandon Drill	01 Jan 2006	5 Days	Held weekly abandon rig drill	
Environmental Issue	29 Dec 2005	8 Days	Environmental Audit	Environmental audit by Nexus shorebase personnel.
Fire Drill	01 Jan 2006	5 Days	Held weekly fire drill	
JSA	05 Jan 2006	1 Day	Deck = 6, Mech = 2, Drill = 2	
Man Overboard Drill	30 Dec 2005	7 Days	Held Man Over Board Drill	
Safety Meeting	01 Jan 2006	5 Days	Weekly safety meetings with all crew members.	
STOP Card	05 Jan 2006	1 Day	Safe = 4, Un-safe = 4	

Shakers, Volumes and Losses Data					
Available	2,748bbl	Losses	134bbl	Equip.	Descr.
Active	469.6bbl	Equipment	134bbl	Shaker1	VSM 100
Hole	2,168.4bbl	Desilter	63bbl	Shaker2	VSM 100
Reserve	110bbl			Shaker3	VSM 100
				Shaker4	BEM650
					Mesh Size
					230, 2 X 165, 120
					2 X 230, 2 X 200
					4 X 120
					2 X 200, 2 X 165

Marine

Weather on 06 Jan 2006								Rig Support	
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)
10.0nm	16kn	110.0deg	1020.0mbar	20C°	0.5m	110.0deg	-1s	1	243.0
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments			
272.0deg	552.00klb	4279.00klb	1.5m	80.0deg	6s				
Comments									
								2	276.0
								3	231.0
								4	366.0
								5	265.0
								6	201.0
								7	326.0
								8	245.0

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Far Grip	24:00 3 Jan 2006		On Location	Item	Unit	Used	Quantity
				Diesel	CuMtr		308
				Fresh Water	CuMtr		590
				Drill Water	CuMtr		480
				Cement G	Mt		48
				Cement HT (Silica)	Mt		0
				Barite Bulk	Mt		154
					Mt		68

Transferred 54 mt HTB cement to Ocean Patriot. Transferred 16 mt Bentonite and 78 mt Barite from Ocean Patriot to Far Grip. Transferring G blend cement from Ocean Patriot to Far Grip.

Pacific Wrangler		22:15 4 Jan 2006	Enroute Melbourne, ETA 02:00 6 Jan 2006	Item	Unit	Used	Quantity
				Diesel	CuMtr		223.9
				Fresh Water	CuMtr		155
				Drill Water	CuMtr		0
				Cement G	Mt		132
				Cement HT (Silica)	Mt		0
				Barite Bulk	Mt		0
				Bentonite Bulk	Mt		42

Helicopter Movement

Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	10:18 / 10:35	13 / 5	