

07 Jan 2006

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

DRILLING MORNING REPORT # 27

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	0.0m	Shoe TVDBRT	1511.8m	Daily Cost	\$ 604571
Rig	OCEAN PATRIOT	Days from spud	22.44	Shoe MDBRT	1511.8m	Cum Cost	\$ 18098180
Wtr Dpth (LAT)	585.0m	Days on well	25.77	FIT/LOT:	/ 15.80ppg	Days Since Last LTI	963
RT-ASL (LAT)	21.5m	Planned TD MD					
RT-ML	606.5m	Planned TD TVDRT					
Current Op @ 0600		Wireline Logging.					
Planned Op		Run wireline logs.					

Summary of Period 0000 to 2400 Hrs
POOH, laid down LWD tools. Rigged up to run wireline.

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 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 minutes, good. POOH from 3758m MDRT to 3668m MDRT
IH	U	LOG	0300	0730	4.50	3758.0m	Logged up with LWD for confirmation data from 3668m MDRT to 3582m MDRT at 30m/hr and 20 - 25 RPM
IH	P	TO	0730	0800	0.50	3758.0m	Pumped 25 bbl slug and POOH from 3582m MDRT to 3506m MDRT
IH	TU (RE)	RR	0800	0900	1.00	3758.0m	Repaired hose on racking arm
IH	P	TO	0900	1700	8.00	3758.0m	Continued POOH from 3506m MDRT to 36m MDRT. Flow checked at casing shoe and prior to BHA entering BOP
IH	TU (RE)	RR	1700	1730	0.50	3758.0m	Removed sources from LWD tools. Plugged in and attempted to power down tools with no success
IH	P	TO	1730	1900	1.50	3758.0m	Laid out LWD tools and BHA
IH	P	LOG	1900	2000	1.00	3758.0m	Held JSA and rigged up to run Schlumberger wireline tools
IH	P	LOG	2000	2130	1.50	3758.0m	Made up wireline tools for run #1, installed radioactive sources
IH	P	LOG	2130	2400	2.50	3758.0m	RIH with log #1, GR/PEX/HALS/DSI. Performed repeat pass from 3675m MDRT to 3575m MDRT (23:30 hrs)

Operations For Period 0000 Hrs to 0600 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	0600	1.00	3758.0m	Rigged down Run #1 Wireline tools

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 07 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)	460.5	17 Dec 2005	07 Jan 2006	618.50	25.771	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			

Bit # 5RR	Wear	I	O1	D	L	B	G	O2	R
		3	3	WT	A	E	I	CT	TD
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	0.0m	Cum. Progress	187.0m
Type:	Rock	RPM(avg)	115	3	20/32nd"	On Bottom Hrs	0.0h	Cum. On Btm Hrs	55.9h
Serial No.:	MX1628	F.Rate	19.00bpm			IADC Drill Hrs	0.0h	Cum IADC Drill Hrs	61.5h
Bit Model	GF30BOVCPS	SPP	4045psi			Total Revs		Cum Total Revs	293
Depth In	3571.0m	HSI				ROP(avg)	N/A	ROP(avg)	3.35 m/hr
Depth Out	3758.0m	TFA	0.9204						

Bit Comment

BHA # 6

Weight(Wet)	65.00klb	Length	276.3m	Torque(max)	D.C. (1) Ann Velocity	256fpm
Wt Below Jar(Wet)	45.00klb	String	385.00klb	Torque(Off.Btm)	D.C. (2) Ann Velocity	384fpm
		Pick-Up	375.00klb	Torque(On.Btm)	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	Non-mag integral blade string stab
MWD	24.41m	8.000in	1.920in		DIR/HCIM-EWR-DGR-CTN-SLD-ACAL-HOC.
8in DC	9.06m	8.000in	2.875in	18600011	
Stab	2.10m	12.125in	2.875in	47607	Integral blade string stabilizer
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 (m)	Incl (deg)	Azim (deg)	TVD (m)	Vsec (deg)	N-S (m)	E-W (m)	DLS (deg/30m)	Tool Type
3758.00	3.0	50.2	3753.86	113.1	89.7	68.9	0.0	Extrapolation to FTD

Bulk Stocks					
Name	Unit	In	Used	Adjust	Balance
Barite Bulk	MT	0	0	0	35.4
Bentonite Bulk	MT	0	0	0	22.2
Diesel	m3	0	29.9	0	231.0
Fresh Water	m3	23	22.7	0	173.8
Drill Water	m3	0	24.1	0	354.5
Cement G	MT		0	-61.9	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	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	6 Days	Held weekly abandon rig drill	Environmental audit by Nexus shorebase personnel.
Environmental Issue	29 Dec 2005	9 Days	Environmental Audit	
Fire Drill	01 Jan 2006	6 Days	Held weekly fire drill	
JSA	07 Jan 2006	0 Days	Deck = 5, Mech = 2, Drill = 7, Welder = 1, Sub Sea = 1	
Man Overboard Drill	30 Dec 2005	8 Days	Held Man Over Board Drill	
Safety Meeting	01 Jan 2006	6 Days	Weekly safety meetings with all crew members.	
STOP Card	07 Jan 2006	0 Days	Safe = 7, Un-safe = 6	

Shakers, Volumes and Losses Data				
Available	2,748bbl	Losses	0bbl	
Equip.	Descr.	Mesh Size		
Shaker1	VSM 100	230, 2 X 165, 120		
Shaker2	VSM 100	2 X 230, 2 X 200		
Shaker3	VSM 100	4 X 120		

Shakers, Volumes and Losses Data

Reserve	110bbl		Equip.	Descr.	Mesh Size
			Shaker4	BEM650	2 X 200, 2 X 165

Marine

Weather on 07 Jan 2006								Rig Support	
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)
10.0nm	0kn	0.0deg	1020.0mbar	22C°	0.3m	0.0deg	0s	1	306.0
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments		2	287.0
272.0deg	528.00klb	4147.00klb	1.0m	90.0deg	6s			3	223.0
Comments								4	359.0
								5	256.0
								6	205.0
								7	322.0
								8	254.0

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		299
				Fresh Water	CuMtr		585
				Drill Water	CuMtr		480
				Cement G	mt		105
				Cement HT (Silica)	mt		
				Barite Bulk	mt		154
				Bentonite Bulk	mt		68

Transferred 61 mt G cement from Ocean Patriot

Pacific Wrangler		22:15 4 Jan 2006	Enroute Ocean Patriot, ETA 06:00 8 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	/	/	No flight today