

23 Dec 2005

From: Ron King/ Webby
To: J Ah-Cann

DRILLING MORNING REPORT # 12

Culverin 1

Well Data							
Country	Australia	MDBRT	1,525.0m	Cur. Hole Size	17.500in	AFE Cost	\$ 22699889
Field	Gippsland Basin	TVDBRT	1,525.0m	Last Casing OD	13.375in	AFE No.	3433-1001
Drill Co.	DOGC	Progress	0.0m	Shoe TVDBRT	1,511.8m	Daily Cost	\$ 0
Rig	OCEAN PATRIOT	Days from spud	7.44	Shoe MDBRT	1,511.8m	Cum Cost	\$ 10210307
Wtr Dpth(MSL)	585.0m	Days on well	11.35	FIT/LOT:	/	Days Since Last LTI	948
RT-ASL(MSL)	21.5m	Planned TD MD					
RT-ML	606.5m	Planned TD TVDRT					
Current Op @ 0600 Making up drill pipe while RIH to drill out shoetrack. 0600hrs depth 565m.							
Planned Op RIH and drill out shoetrack. Function test BOP's Displace well to mud. Drill ahead 3m of new formation. Conduct LOT. Drill ahead.							

Summary of Period 0000 to 2400 Hrs							
Landed out BOPs and tested wellhead connector. Pull-tested connections. Stroked out the slip-joint and nipped up the surface equipment. Rigged up the diverter. Completed pressure tests. Rigged down riser handling equipment. Slipped and cut drilling line. Laid down 445 mm (17 1/2") BHA. Commenced making up new 311 mm (12 1/4") BHA.							

Operations For Period 0000 Hrs to 2400 Hrs on 23 Dec 2005

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
BOP	P	RR1	0000	0100	1.00	1,525.0m	Completed making up landing joint to slip joint.
BOP	TP (OTH)	RR1	0100	0200	1.00	1,525.0m	ROV camera system problems while on bottom monitoring BOP/PGB. Camera's were cutting out and all visibility was lost. Topside black and white camera still working. Recover ROV and move top side black and white camera to front pan tilt for landing bops'. Water had ingressed into camera electrics cannister. Gain use of 2 cameras and dive ROV
BOP	P	BOP	0200	0400	2.00	1,525.0m	Lowered slip joint while monitoring with ROV Installed Choke and kill and boost lines to slip joint.
BOP	P	BOP	0400	0500	1.00	1,525.0m	Pressure tested choke and kill gooseneck seals 250/7500psi 5/10mins. ok. This test required by GEMS.
BOP	P	BOP	0500	0530	0.50	1,525.0m	Latched SDL ring to slip joint. Skidded rig and over well head with ROV assistance
BOP	P	BOP	0530	0700	1.50	1,525.0m	Re-establish #2 guide line, Monitor MRT's as lowering BOP to PGB post tops. Installed storm saddles and service hoses to slip joint. BOP landing weight prior to MRT's 685klbs.
BOP	P	BOP	0700	0800	1.00	1,525.0m	Landed and latch BOP, visual confirmation by ROV. Complete 50klbs overpull test on yellow pod. Bulls eye readings: PGB Fwd B/E 3/4deg stbd Aft B/E 3/4deg stbd fwd LMRP #1 B/E 1/2deg Port fwd, LMRP #2 B/E 1/2deg Port fwd BOP B/E 1deg stbd fwd.
BOP	P	BOP	0800	0900	1.00	1,525.0m	Secure pod hoses. Make up RBQ plates and put BOP on line.
BOP	P	BOP	0900	1000	1.00	1,525.0m	Break circulation with Dowell down choke and kill lines. Close shear rams and test well head VX gasket to 250/2500psi 5/10mins on yellow pod. OK. Complete 500psi pressure test on blue pod, 2nd pod test is a GEMS requirement.
BOP	P	BOP	1000	1100	1.00	1,525.0m	Unlock slip joint and stroke open. Layed down landing joint.
BOP	P	BOP	1100	1200	1.00	1,525.0m	Made up diverter to slip joint inner barrel. Land and latch in diverter housing. Connect hydraulics and lock support and lock down dogs.
BOP	P	BOP	1200	1330	1.50	1,525.0m	Rigged down riser spider, diverter running tool, install master bushings.
BOP	P	BOP	1330	1600	2.50	1,525.0m	Clear rig floor of all riser and bop handling equipment. Install iron roughneck tracks. Change elevators and bails
IH	P	SC	1600	1800	2.00	1,525.0m	Hung off blocks and slipped and cut 27.43m (90') of drilling line. Removed hang off lines and set crown-o-matic.
IH	P	HBHA	1800	2130	3.50	1,525.0m	Ran 445mm (17 1/2") BHA in hole and laid out same.
IH	P	HBHA	2130	2400	2.50	1,525.0m	Commenced making up 311mm (12 1/4") BHA.

Operations For Period 0000 Hrs to 0600 Hrs on 24 Dec 2005

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
IH	P	HBHA	0000	0300	3.00	1,525.0m	Complete making up 311mm (12 1/4") BHA. Up-link MWD, install Radio-active source. Run BHA from derrick to 1st joint of HWDP. Shallow test Down hole motor and tools ok. 800gpm 650psi.
IH	P	HBHA	0300	0330	0.50	1,525.0m	Picked up 55m(180') of HWDP.
IH	P	PUP	0330	0600	2.50	1,525.0m	Picked up 297.6m (976.3') of 127mm (5")dp. Bit depth @0600hrs 565m

Phase Data to 2400hrs, 23 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
SURFACE HOLE(SH)	30	15 Dec 2005	17 Dec 2005	100.50	4.188	650.0m
SURFACE CASING(SC)	16.5	16 Dec 2005	17 Dec 2005	117.00	4.875	650.0m
INTERMEDIATE CASING(IC)	1	17 Dec 2005	17 Dec 2005	118.00	4.917	650.0m
INTERMEDIATE HOLE(IH)	100.5	17 Dec 2005	23 Dec 2005	218.50	9.104	1,525.0m
RISER AND BOP STACK(BOP)	54	21 Dec 2005	23 Dec 2005	272.50	11.354	1,525.0m

WBM Data

Cost Today \$ 20167

Mud Type:KCL-NaCl-Polymer	API FL: 6.8cc/30min	Cl: 35500mg/l	Solids(%vol): 6%	Viscosity 50sec/qt
Sample-From: Active Pit	Filter-Cake: 1/32nd"	K+C*1000: 3%	H2O: 94%	PV 9cp
Time: 2310	HTHP-FL:	Hard/Ca: 80mg/l	Oil(%): 0%	YP 12lb/100ft²
Weight: 9.50ppg	HTHP-cake: 1/32nd"	MBT:	Sand: 0	Gels 10s 3
Temp:		PM:	pH: 9.5	Gels 10m 3
		PF: 0.15	PHPA: 0ppb	Fann 003 3
				Fann 006 4
				Fann 100 13
				Fann 200 18
Comment	Started mixing mud after Bops landed. Mixed 1000bbls of 3% KCL/NaCl/Polymer mud weighted to 9.5ppg and filled sandtraps, further mixing is in progress			Fann 300 21
				Fann 600 30

Bit # 3

Bit # 3				Wear	I	O1	D	L	B	G	O2	R	
				Bitwear Comments:									
Size ("):	12.250in	IADC#	M422	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run				
Mfr:	REED HYCALOG	WOB(avg)		No.	Size	Progress			Cum. Progress		0.0m		
Type:	PDC	RPM(avg)		2	28/32nd"	On Bottom Hrs			Cum. On Btm Hrs		0.0h		
Serial No.:	211010	F.Rate		4	18/32nd"	IADC Drill Hrs			Cum IADC Drill Hrs		0.0h		
Bit Model	RSX 616	SPP				Total Revs			Cum Total Revs		0		
Depth In	1,525.0m	HSI				ROP(avg)			N/A	ROP(avg)		0.00 m/hr	
Depth Out		TFA	2.197										
Bit Comment													

BHA # 3

Weight(Wet)	40.00klb	Length	268.4m	Torque(max)	D.C. (1) Ann Velocity	256fpm
Wt Below Jar(Wet)	30.00klb	String		Torque(Off.Btm)	D.C. (2) Ann Velocity	384fpm
		Pick-Up		Torque(On.Btm)	H.W.D.P. Ann Velocity	176fpm
		Slack-Off			D.P. Ann Velocity	176fpm
BHA Run Description						
Annular velocity based on 900gpm						
BHA Run Comment						

Equipment	Length	OD	ID	Serial #	Comment
Bit	0.25m	12.250in		211010	Reed Hycalog RSX 616M
Mud Motor	8.58m	9.625in	6.135in	963006	244mm(9 5/8") Sperrydrill Lobe 6/7 - 5.0 stg Motor
X/O	1.22m	9.438in	2.875in	A639	Non-mag integral blade string stab
Stab	1.81m	12.125in	2.875in	694776	
MWD	24.39m	8.000in	1.920in		

Equipment	Length	OD	ID	Serial #	Comment
8in DC	9.06m	8.000in	2.875in	18600035	DIR/HCIM-EWR-DGR-CTN-SLD-ACAL-HOC. Integral blade string stabilizer Drilling jars used in surface hole section.
Stab	2.10m	12.125in	2.875in	47607	
8in DC	8.68m	8.000in	2.875in	1860026	
Drilling Jars	9.31m	8.188in	3.063in	11150D	
8in DC	8.81m	8.000in	2.875in	18600031	
X/O	1.16m	8.500in	2.875in	MSO1930-2	
5in HWDP	192.98m	5.000in	2.875in		

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
Barite Bulk	MT	0		0	167.4
Bentonite Bulk	MT	5	2.23	0	38.1
Diesel	m3	0	4.7	-17.3	428.4
Fresh Water	m3	25	12.3	0	172.4
Drill Water	m3	100	170.8	0	145.9
Cement G	MT	0	0	0	7.7
Cement HT (Silica)	MT		0	0	0.0

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 "	650.30	650.30	604.40	604.40	
13 3/8"	1511.77	1511.77	603.50	603.50	

Personnel On Board

Company	Pax	Comment
DOGC	44	
DOGC	3	extra
ESS	8	
NEXUS	5	
FUGRO SURVEY LTD (ROV)	3	
DOWELL SCHLUMBERGER	3	
M-1 AUSTRALIA PTY LTD	3	
GEOSERVICES OVERSEAS S.A.	6	
HALLIBURTON AUSTRALIA PTY LTD - SPERRY SUN	4	Sperry Sun
Total	79	

HSE Summary

Events	Date of last	Days Since	Descr.	Remarks
Abandon Drill	18 Dec 2005	5 Days	Held weekly abandon rig drill	L
Fire Drill	18 Dec 2005	5 Days	Held weekly fire drill	
JSA	23 Dec 2005	0 Days	Deck = 2, Mech = 1, Drill = 3, Sub Sea =5	
Safety Meeting	18 Dec 2005	5 Days	Weekly safety meetings with all crew members.	
STOP Card	23 Dec 2005	0 Days	Safe = 5, Un-safe =	

Shakers, Volumes and Losses Data

Available	1,000bbl	Losses	0bbl
Reserve	1,000bbl		

Marine

Weather on 23 Dec 2005								Rig Support	
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)
10.0nm	25kn	225.0deg	1,010.0mbar	15C°	0.5m	225.0deg	3s	1	269.0
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments		2	236.0
272.0deg	408.00klb	4,428.00klb	1.5m	225.0deg	8s			3	220.0
Comments								4	280.0
								5	324.0
								6	328.0
								7	357.0
								8	306.0
Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks					
Far Grip			On Location off loading cargo.	Item	Unit	Used	Quantity		
				Diesel	CuMtr		556		
				Fresh Water	CuMtr		426		
				Drill Water	CuMtr		660		
				Cement G	Mt		80		
				Cement HT (Silica)	Mt		54		
				Barite Bulk	Mt		89		
Pacific Wrangler			On location wating for back load	Item	Unit	Used	Quantity		
				Diesel	CuMtr		190.8		
				Fresh Water	CuMtr		50		
				Drill Water	CuMtr				
				Cement G	Mt				
				Cement HT (Silica)	Mt				
				Barite Bulk	Mt				
Bentonite Bulk	Mt								
Recieved 100m3 of Potable water/ 5mt Bentonite									
Helicopter Movement									
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment					
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	0945 / 0958	8 / 14						