

From: S. Corless / S Schmidt.
To: Paul Barrett 16 May 2008

## **DRILLING MORNING REPORT #8** Wardie-1

Well Data								
Country	Australia	MDBRT	751.0m	Cur. Hole Size	12.250in	AFE Cost	US\$13,037,504	
Field	West Seahorse	TVDBRT	706.8m	Last Casing OD	13.375in	AFE No.	Wardie-1	
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	703.7m	Daily Cost	US\$650,000	
Rig	West Triton	Days from spud	6.19	Shoe MDBRT	747.2m	Cum Cost	US\$5,462,000	
Wtr Dpth(MSL)	39.5m	Days on well	7.35	FIT/LOT:	/			
RT-ASL(MSL)	38.0m	Planned TD MD	1790.0m	Current Op @ 0600	Drilling 12	g 12 1/4" hole at 820mMD.		
RT-ML	77.5m	Planned TD TVDRT	1638.0m	Planned Op	Drill ahead	ahead 12 1/4" hole.		

## Summary of Period 0000 to 2400 Hrs

Nippled up Bop's and diveter system. Pressure tested IBOP'S and stabing valve. Made up 12 1/4" rotary steerable assembly. RIH, tagged TOC at 732.5m. Drilled out float collar and shoe track.

HSE Summary	HSE Summary										
Events	Num. Events	Days Since	Descr.	Remarks							
First Aid	2	4 Days	Roustabout struck knee on casing. Floorman struck wrist between lifting nubbin and DC.	A roustabout was reaching for a tagline when his front foot slipped off a joint of casing causing him to straddle the joint of casing. As he straddled the casing his right knee contacted the casing and he sustained bruising to the knee. He was sent to shore for precautionary X-ray.							
Near Miss		14 Days	Tugger wire fell onto rig floor during installation	While changing out a damaged tugger wire, a "snake" joining the old and new wires together released just prior to going over the crown sheave. Both cables fell back down to the rig floor.							
PTW issued	9	0 Days		Permit to work issued for the day.							
Safety Meeting		6 Days		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning,							
STOP Card	26	0 Days		Stop cards submitted for the day.							
ToolBox Talk	6	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.							

# Operations For Period 0000 Hrs to 2400 Hrs on 16 May 2008

Phse	Cls (RC)	Ор	From	То	Hrs	Depth	Activity Description
P6	Р	G13	0000	0330	3.50	751.0m	Continued to nipple up Bop's and diverter.
P6	Р	G13	0330	0430	1.00	751.0m	Made up test assembly for testing upper and lower IBOP'S and TDS hose.
P6	TP (RE)	G13	0430	0630	2.00	751.0m	Leaks of approx 60psi/min occuring on IBOP tests. Traced leaks. Functioned and greased manifold valves to rectify leaks.
P6	P (RE)	G13	0630	0830	2.00	751.0m	Pressure tested IBOP's, stabbing valve and TDS hose to 250 / 5000psi for 5 / 10 minutes.
P6	Р	G13	0830	0930	1.00	751.0m	Lined up down choke line. Flushed lines. Pressure tested 13-3/8" casing and wellhead connection against shear rams to 250 / 2000psi for 5 / 10 minutes.
P11	P (RE)	G12	0930	1030	1.00	751.0m	Made up and RIH with nominal bore protector. POOH and laid out running tool.
P11	Р	G6	1030	1700	6.50	751.0m	Made up and RIH bit and rotary steerable BHA to top of LWD tools. Made up crossover and surface tested tools ok. Continued RIH with BHA to 173m.
P11	Р	G8	1700	1930	2.50	751.0m	Continued RIH to 703m. Made up TDS and washed down from 703m. Reamed cement stringer at 719m. Washed down to 732m. Unable to rotate TDS after making connection at 732m.
P11	TP (RE)	G11	1930	2030	1.00	751.0m	Investigate problem with top drive. Reset PLC and reboot system.
P11	Р	G11	2030	2130	1.00	751.0m	Service Top Drive system.
P11	Р	D1	2130	2400	2.50	751.0m	Wash down from 732m. Tagged TOC at 732.5m (approx 2m above float collar). Drilled out float collar and shoe track to 737m.

#### Operations For Period 0000 Hrs to 0600 Hrs on 17 May 2008

Phse	Cls (RC)	Ор	From	То	Hrs	Depth	Activity Description
P11	Р	D1	0000	0130	1.50	751.0m	Drilled out shoe track to 747m. Cleaned out rathole from 747m - 751m. Displaced hole to 8.8 ppg mud while drilling out float shoe.
P11	Р	D2	0130	0200	0.50	754.0m	Drilled new 12 1/4" hole from 751m - 754m.



Phse	Cls (RC)	Ор	From	То	Hrs	Depth	Activity Description
P11	Р	F4	0200	0300	1.00	754.0m	Circulated mud weight even in and out. Pulled back inside shoe.
P11	Р	E1	0300	0400	1.00	754.0m	Preformed FIT: 520psi surface pressure with 8.8ppg mud and casing shoe at 704mTVD => 13.1ppg EMW without leak-off.
P11	Р	D4	0400	0600	2.00	1397.0m	(IN PROGRESS) Directionally drilled 12 1/4" hole from 754m - 1397mMD.

## Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 16 May 2008						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Other work scope(P28)	4	09 May 2008	09 May 2008	4.00	0.167	0.0m
Suspend and Abandon(P21)	2.5	10 May 2008	10 May 2008	6.50	0.271	0.0m
Mob/Demob(P1)	6.5	10 May 2008	10 May 2008	13.00	0.542	0.0m
Conductor(P2)	9.5	10 May 2008	10 May 2008	22.50	0.938	132.0m
Maintenance / Service(P27)	10.5	09 May 2008	12 May 2008	33.00	1.375	136.0m
Conductor Casing(P3)	32.5	11 May 2008	12 May 2008	65.50	2.729	136.0m
Surface Hole(P4)	34.5	11 May 2008	13 May 2008	100.00	4.167	751.0m
Surface Casing(P5)	48.5	12 May 2008	15 May 2008	148.50	6.188	751.0m
BOPs/Risers(P6)	13.5	15 May 2008	16 May 2008	162.00	6.750	751.0m
Production Hole (1)(P11)	14.5	16 May 2008	16 May 2008	176.50	7.354	751.0m

#### **General Comments**

Bit # 3

Bit Comment

00:00 TO 24:00 Hrs ON 16 May 2008

Pressure test choke manifold, cement manifold and stand pipe manifold of the critial path to 250/5000 psi 5/10 minutes.

WBM Data				Cost Toda	y US\$ 4997:	3			
Mud Type:	KCL/Polymer	API FL:	7.2cc/30min	CI:	31000mg/l	Solids(%vol):	1%	Viscosity	52sec/qt
Comple From:	Pit #8	Filter-Cake:	1/32nd"	K+C*1000:	8%	H2O:	069/	PV	12cp
Sample-From:	PII #0	Filler-Cake.	1/32110	K+C 1000.	070	п2О.	96%	YP	22lb/100ft <sup>2</sup>
Time:	1600	HTHP-FL:	14.6cc/30min	Hard/Ca:	320mg/l	Oil(%):		Gels 10s	8
Weight:	1.06sq	HTHP-cake:	2/32nd"	MBT:	5	Sand:		Gels 10m	11
vveignt.	1.0059	HIHF-Cake.	2/32110	IVID I .	3	Saliu.		Fann 003	8
Temp:				PM:	8.0	pH:	9.5	Fann 006	10
				PF:	0.45	PHPA:	0ppb	Fann 100	22
					0.10	111174	оррь	Fann 200	29
Comment								Fann 300	34
								Fann 600	46

				Bitwea	ar Comments:			I I				
Size ("):	12.25in	IADC#	M422		Nozzles	Drille	d over las	t 24 hrs	Ca	Iculated o	ver Bit F	Run
Mfr:	Reed Hycalog	WOB(avg)	15.00klb	No.	Size	Progres	3		Cum. Pr	rogress		0.0m
Type:	PDC	RPM(avg)	80	3	15/32nd"	On Botto	om Hrs		Cum. O	n Btm Hrs		0.0h
Serial No.:	218629	F.Rate	1000gpm	3	16/32nd"	IADC D	ill Hrs		Cum IAI	DC Drill H	rs	0.0h
Bit Model	RSX616MA16	SPP	1350psi			Total Re	evs		Cum To	tal Revs		0
Depth In	751.0m	HSI				ROP(av	g)	N/A	ROP(av	g)	C	0.00 m/hr
Depth Out		TFA	1.107									

Wear

BHA # 3							
Weight(Wet)	41.00klb	Length	173.2m	Torque(max)	12000ft-lbs	D.C. (1) Ann Velocity	299fpm
Wt Below Jar(Wet)	15.00klb	String	122.00klb	Torque(Off.Btm)	4000ft-lbs	D.C. (2) Ann Velocity	0fpm
		Pick-Up	125.00klb	Torque(On.Btm)	8000ft-lbs	H.W.D.P. Ann Velocity	205fpm
		Slack-Off	122.00klb			D.P. Ann Velocity	205fpm
BHA Run Description							
BHA Run Comment							



Equipment	Length	OD	ID	Serial #	Comment
12 1/4in Bit	0.30m	12.25in		21662	
Power Drive Unit	4.22m	8.50in	3.00in	51330	
Power drive	1.87m	9.50in	3.00in	49245	
Flex Monel	2.95m	8.25in	3.00in	51767	
Resistivity	4.22m	12.13in	3.00in	034	
PowerPulse HF (MWD)	8.49m	8.50in	3.00in	VA77	
NMDC	8.65m	8.00in	2.88in	N688	
Drill Collar	9.45m	8.25in	2.88in	15590	
Jar	9.68m	8.25in	3.00in	17621330	
Drill Collar	9.44m	8.25in	2.88in	14370	
X/O	1.22m	8.25in	2.88in	SSD7131	
HWDP	112.71m	5.50in	4.00in		Refer to tally.

Bulk Stocks										
Name	Unit	In	Used	Adjust	Balance					
DRILL WATER	MT	530	108	0	515.0					
Rig Fuel	m3	100	11	0	214.0					
POTABLE WATER	MT	0	26	0	206.0					
Cement Class G	MT	0	0	0	109.0					
Bentonite	MT	0	0	0	41.0					
Barite	MT	0	0	0	127.0					

Pυ	ımps																
Pump Data - Last 24 Hrs						Slow Pump Data											
No.	Туре	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1F (psi)	low1(gpr	n)SPM2 (SPM)	SPP2 (psi)		SPM3 (SPM)		Flow3 (gpm)
1	National 14 P-220	6.50	1.02	97	80	1350	500		30		176	40		234	50		293
2	National 14 P-220	6.50	1.02	97	80	1350	500		30		176	40		234	50		293
3	National 14 P-220	6.50	1.02	97					20		117	30		176	40		234

Personnel On Board							
Company	Pax						
ADA		5					
Seadrill		10					
Seadrill Services.		41					
Catering		9					
Halliburton		2					
Baker Hughes Inteq		4					
Halliburton		2					
Dril-Quip		1					
Weatherford		2					
Expro		2					
Tamboritha		2					
Schlumberger MWD/LWD	2						
Schlumberger DD	2						
Baker Hughes Inteq		1					
	Total	85					



Mud Volum Shaker Data	•	sses and Sh	ale	Engineer : G.Lange /J.Munford					
Available	2096.0bbl	Losses	136.3bbl	Equipment	Description	Mesh Size	Comments		
Active	309.0bbl	Downhole		Shaker 1	VSM-300	89			
Mixing		Surf+ Equip	136.3bbl	Shaker 2	VSM-300	89			
ŭ			100.0001	Shaker 3	VSM-300	89			
Hole	96.0bbl	Dumped		Shaker 4	VSM-300	89			
Slug Reserve KCL/Polymer	1691.0bbl	De-Gasser De-Sander De-Silter Centrifuge							
		Sweeps							
Marine									
Weather on 16	May 2008								

Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	25kn	45.0deg	1013.0mbar	15C°	1.0m	190.0deg	4s
Rig Dir. Ris. Tension		VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
137.2deg	137.2deg 44.00klb 2787.00klb 1.5m 190.0deg 8s					Wave and swell heights are estimates.	
		are est	imates.				

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status		Bulks		
Pacific Battler		10.10	At Geelong.	Item	Unit	Used	Quantity
				Rig Fuel	m3		381.219
				Potable Water	Mt		63
				Drill Water	Mt		76
				CEMENT G	Mt		0
				Barite	Mt		65.5
				Bentonite	Mt		34
				MUD	m3		0
					m3		41
Pacific Valkyrie	05.00		On location.	Item	Unit	Used	Quantity
				Rig Fuel	m3		530.23
				Potable Water	Mt		406
				Drill Water	m3		364
				CEMENT G	Mt		42.5
				Barite	Mt		42.5
				Bentonite	Mt		28.8

Helicopter Movement							
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment			
BWJ	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1311 / 1319	1/3	Crew Change.			