

13 Jan 2009 From: Sean De Freitas / Peter Dane

To: Paul Barrett

## DRILLING MORNING REPORT # 35 Fermat-1

Well Data							
Country	Australia	MDBRT	3585.0m	Cur. Hole Size	8.500in	AFE Cost	AUD\$48,230,000
Field	Otway	TVDBRT	3580.4m	Last Casing OD	9.625in	AFE No.	07/002
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	2797.7m	Daily Cost	AUD\$793,414
Rig	West Triton	Days from spud	31.00	Shoe MDBRT	2800.3m	Cum Cost	AUD\$38,529,394
Wtr Dpth (MSL)	39m	Days on well	35.06	FIT/LOT:	1.92sg /		
RT-MSL	38.00m	Planned TD MD	3640m	Current Op @ 0600		0" casing cutte	er assembly on 5.5" drill
RT-ML	77m	Planned TD TVDRT	3640m		pipe.		
				Planned Op	lay down ( Lay down	30" casing cutto excess tubular	or at 78m. POOH and er and 30" conductor. es from derrick. Conduct pare to skid cantilever.

#### Summary of Period 0000 to 2400 Hrs

Released and laid down spear assembly. Recovered the seal assembly with the 9.625" casing hanger. Pulled and laid down the 9.625" casing. RIH and attempted to retrieve the dummy hanger. no success. Jetted BOPs. Nippled down diverter, riser mandrel, choke line and BOP. Removed BOP adapter from 18.75" HPWH. Made up 13.375" casing cutter assembly. RIH and cut casing at 105m. POOH and racked back 13.375" casing cutter. RIH and retrieved HPWH. POOH with 13.375" casing and laid down same.

HSE Summary				
Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill	1	2 Days	Abandon rig drill.	All personnel mustered at life boats.
JSA	9	0 Days	JSA's conducted for the day.	
Pre-tour Meeting	4	0 Days	Safety Meeting.	Held Pretour and pre job safety meetings with crews.
PTW issued	8	0 Days	PTW issued for the day.	
Safety Meeting	2	3 Days	Weekly safety meeting.	
STOP Card	10	0 Days	Stop cards submitted for the day.	7 positive 3 negative

## Operations For Period 0000 Hrs to 2400 Hrs on 13 Jan 2009

Phse	Cls (RC)	Op	From	То	Hrs	Depth	Activity Description
P21	Р	G7	0000	0030	0.50	3585.0m	Set casing in slips and released spear assembly. Laid down 6.5" drill collar with the spear assembly complete.  Note:  Recovered the seal assembly with the 9.625" casing hanger.
P21	Р	G1	0030	0100	0.50	3585.0m	Held JSA. Rigged up 9.625" casing handling equipment.
P21	Р	G9	0100	0230	1.50	3585.0m	Pulled and laid down the 9.625" casing. Laid out 9.625" hanger, seal assembly, 7 x joints and cut off joint.
P21	Р	G7	0230	0300	0.50	0.0m	Picked up the 6.5" drill collar and broke off the spear assembly. Laid down same.
P21	Р	G12	0300	0400	1.00	3585.0m	Changed out handling equipment and made up seal assembly running tool to retrieve dummy hanger.
P21	TP (TP)	G12	0400	0600	2.00	0.0m	RIH and attempted to retrieve dummy hanger. Made several attempts to engage without success. POOH, checked tool and re-ran. No success. POOH and racked back tool.
P21	Р	G13	0600	0730	1.50	3585.0m	RIH and jetted BOPs. Flushed choke, kill and diverter lines with seawater.
P21	Р	G13	0730	0900	1.50	3585.0m	Rigged up to nipple down diverter system. Pulled diverter housing and laid down same.
P21	Р	G13	0900	1600	7.00	3585.0m	Nipple down diverter riser mandrel, choke line and BOP. Setback same on test stump. Reduced CTU to 110 bar = 152 MT While racking back BOP made up dummy hanger running tool and attempted to retrieve dummy hanger. No success.
P21	Р	G12	1600	1730	1.50	3585.0m	Removed annulus wing valves and blanks from HPWH. Replace same with plugs
P21	Р	G12	1730	1900	1.50	3585.0m	Removed BOP adapter from the 18.75" wellhead and setback on main deck.
P21	Р	G17	1900	2030	1.50	3585.0m	Made up 13.375" casing cutter assembly. RIH to 105m. Cut casing at 105m. RPM 110, GPM 112, SPP 950 psi, Torque 1-2 K ft-lbs. POOH with 13.375" cutter assembly. Knives heavily scoured.
P21	Р	G9	2030	2230	2.00	3585.0m	Made up Dril-Quip clutch type running tool. RIH and engaged 18.75" wellhead and 13.375" casing. POOH and laid out same.
P21	Р	G1	2230	2300	0.50	3585.0m	Changed out bails and rigged up 13.375" handling equipment.
P21	Р	G9	2300	2400	1.00	3585.0m	POOH with 13.375" casing. Laid down 4 x joints.



Phse	Cls (RC)	Ор	From	То	Hrs	Depth	Activity Description
P21	Р	G9	0000	0100	1.00	3585.0m	Continued to POOH with 13.375" casing. Laid down 2 x joints plus 5.2m cut off joint.
P21	Р	G1	0100	0130	0.50	3585.0m	Changed out handling equipment from 13.375" to 5.5"
P21	Р	G8	0130	0230	1.00	3585.0m	Made up mule shoe and RIH with 5.5" drill pipe to 260m.
P21	Р	F3	0230	0330	1.00	3585.0m	Engaged TDS and circulated out 11.0 ppg PHPA mud with seawater. Pumped 25 bbls of hi-vis mud and displaced with 10 bbls of seawater. POOH from 260m to 160m.
P21	P	F3	0330	0400	0.50	3585.0m	Set balanced cement plug #3 from 160m to 100m (60m) Spaced out to place mule shoe at 160m. Rigged up cement lines. Cement unit broke circulation and pumped 5 bbls of seawater. Pressure tested lines to 1500 psi. Mixed and pumped 37 bbls (183 sx) of 15.9 ppg slurry at 4 bpm with 20 bbls of mix water. (7.8 MT of class G cement). Displaced with 3.5 bbls of seawater. (Under displaced by 3 bbls)
P21	Р	G8	0400	0430	0.50	3585.0m	Rigged down cement lines. Broke off and racked back cement stand. POOH (dry) slowly from 160m to 100m.
P21	Р	F4	0430	0500	0.50	3585.0m	Engaged TDS and circulated bottoms up at maximum rate. POOH from 100m to surface.
P21	Р	G1	0500	0600	1.00	3585.0m	Change bails and handling equipment while cuting holes in 30" casing and prepared to pick up 30" casing cutting assembly.

Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Mob/Demob(P1)	78.5	10 Dec 2008	13 Dec 2008	78.50	3.271	0.0m
Conductor Hole(P2)	28	13 Dec 2008	14 Dec 2008	106.50	4.438	119.0m
Conductor Casing(P3)	26.5	14 Dec 2008	15 Dec 2008	133.00	5.542	119.0m
Surface Hole(P4)	51	15 Dec 2008	17 Dec 2008	184.00	7.667	999.0m
Surface Casing(P5)	20	17 Dec 2008	18 Dec 2008	204.00	8.500	999.0m
BOPs/Risers(P6)	13	18 Dec 2008	19 Dec 2008	217.00	9.042	999.0m
Intermediate Hole (1)(P7)	243	19 Dec 2008	29 Dec 2008	460.00	19.167	2807.0m
Intermediate Casing (1)(P9)	112	29 Dec 2008	02 Jan 2009	572.00	23.833	2807.0m
Production Hole (1)(P11)	172	02 Jan 2009	09 Jan 2009	744.00	31.000	3585.0m
Suspend and Abandon(P21)	97.5	10 Jan 2009	13 Jan 2009	841.50	35.063	3585.0m

#### **General Comments**

00:00 TO 24:00 Hrs ON 13 Jan 2009

# **Operational Comments**

West Triton Rig Equipment Concerns

1) Need new BOP test tool mandrel. Ordered on the 24/10/08.

2) TDS IBOP is required to be opened before being able to operate rotating head and link tilt functions. Ongoing intermittent issue.

De-Mob Activities:

Completed rigging down of centrifuge units and backload. Completed cutting free flare boom bases.

**Operational Comments** 

Installed scaffold in pre-load tanks #18 and completed paint repair. Removed scaffolding.

Started installing scaffolding in pre-load tank #19.
Completed service on Halliburton Cement Unit.

Cleaning mud pits.

#### **Bulk Stocks**

Name	Unit	In	Used	Adjust	Balance
Drill Water	MT	0	0	0	223.0
Rig Fuel	m3	0	6	0	182.0
POTABLE WATER	MT	10	22	0	221.0
Cement class G	MT	0	0	0	89.0
BLENDED CEMENT	MT	0	0	0	0.0
Bentonite	MT	0	17	0	0.0
Barite	MT	0	80	0	-38.0
Brine	m3	0	0	0	0.0
Helifuel	ltr	0	200	0	387.0

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Justing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	151.00m / 151.00m	



Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
13.38	15.00ppg /	987.00m / 987.00m	
9.63	/ 16.00ppg	2800.27m / 2797.72m	

Personnel On Board	
Company	Pax
ADA	6
Seadrill	12
Seadrill Services	33
Catering	9
Halliburton - Cementing	2
Dril-Quip	1
Tamboritha	2
Weatherford	4
Weatherford	1
OPC	3
Core IRM	2
Fugro Survey	2
Total	77

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Marine							
Weather on	Weather on 13 Jan 2009						
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
1.0nm	8kn	40.0deg	998.0mbar	26C°	0.8m	240.0deg	3s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather (	Comments
128.5deg		1671.00klb	1.5m	240.0deg	11s	mainl	y fine
	Comments						

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status				Bulks			
Pacific Battler			On location Femat - 1	Item	Unit	ln	Used	Transfer to Rig	Adjust	Quantity
				Rig Fuel	m3		1			334.6
				Potable Water	m3		5			445
				Drill Water	m3	40				360
				Barite	Mt					0
				CEMENT G	Mt					0
				Bentonite	Mt					0
				Brine	m3					0
Pacific Valkyrie			Portland	Item	Unit	In	Used	Transfer to Rig	Adjust	Quantity
				Rig Fuel	m3					300.6
				Rig Fuel Potable Water	m3 Mt		5			300.6 427
							5			
				Potable Water	Mt		5			427
				Potable Water Drill Water	Mt m3		5			427 472
				Potable Water Drill Water Barite	Mt m3 Mt		5			427 472 0

# Helicopter Movement Flight # Company Arr/Dep. Time Pax In/Out Comment 1 Bristow Helicopters 0955 / 1015 9 / 11 TMS Crew Change BHI