

DRILLING MORNING REPORT # 36
Trefoil-2
05 Nov 2009

 From: Bryan Houston / Paul Leathem
 To: Texas Richards

Well Data							
Country	Australia	MDBRT	2520.0m	Cur. Hole Size	12.250in	AFE Cost	US\$33,167,745
Field	Trefoil	TVDBRT	2520.0m	Last Casing OD	13.375in	AFE No.	Trefoil-2
Drill Co.	Maersk	Progress	0.0m	Shoe TVDBRT	930.0m	Daily Cost	US\$981,063
Rig	Kan Tan IV	Days from spud	30.67	Shoe MDBRT	930.0m	Cumul. Cost	US\$25,885,500
Wtr Dpth(MSL)	69.0m	Days on well	35.13	FIT/LOT:	/ 15.15ppg		
RT-ASL(MSL)	26.0m	Planned TD MD	3221.0m	Current Op @ 0600	Continue to troubleshoot top drive hydraulic system, pipe handler and alignment problems. Preparing 8 1/2" BHA.		
RT-ML	95.0m	Planned TD TVDRT	3221.0m	Planned Op	Continue to troubleshoot top drive hydraulic system, pipe handler and alignment problems. Prepare 8 1/2" BHA. Run wear bushing. Pick up 8 1/2" BHA. Run RTTS packer and test casing patch.		

Summary of Period 0000 to 2400 Hrs

Continued to test BOPs and C&K manifold (250 psi low/ 5000psi high). Laid out excess BHA from mast. Troubleshoot top drive problems.

HSE Summary

Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill	1	2 Days	Held abandon drill	
Emergency Drill	1	1 Day	Full Emergency drill performed.	
Fire Drill	1	2 Days	Main deck - Fire in rubbish container	
Flash Reports	1	0 Days	Container door swings open during transfer.	While backloading a double door mini container from the rig to the offshore supply vessel (OSV), at approximately 1 metre above the ship's deck, the container was seen to impact other containers that were on the OSV's deck causing the doors to swing open. The internal security net was in place to prevent anything falling from the container. Synergi No. 397311 Flash Report # 47.
Permit To Work	16	0 Days	Permits administered	
Pre-tour Meeting	2	0 Days	Shift change meetings	
Safety Meeting	6	0 Days	Prejob safety meetings	
STOP Card	75	0 Days	Number of STOP Cards submitted	

FORMATION

Name	Top
Upper Angahook	1162.00m
Angahook Volcanics Equiv	1331.00m
Lower Angahook	1569.00m
Demons Bluff	1850.00m
Eastern View Coal Measures	2105.00m

Operations For Period 0000 Hrs to 2400 Hrs on 05 Nov 2009

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P13	P	P1	0000	0130	1.50	2520.0m	Continued to test BOPs and C&K manifold (250psi low/ 5000psi high).
P13	P	G8	0130	0300	1.50	2520.0m	Released running tool with 60klbs overpull and POOH.
P13	P	G2	0300	0600	3.00	2520.0m	Broke out and laid down casing spear, cement head and one stand of DC from mast.
P27	TP (RE)	G11	0600	2400	18.00	2520.0m	Troubleshoot top drive hydraulic system, pipe handler and alignment problems. Repaired oil leak on manipulator arm. Replaced lindal brake on elmago and tested same - OK. Installed new Martin Decker weight indicator gauge and pumped up deadman sensor. Tested SPP gauges and calibrated same. Replaced lube oil cooler fan and motor assy. TDS pipehandler clamp piston bolts renewed. Shim plates removed from stbd lower dolly roller carriage. Shim plates added to port lower dolly roller carriage.

Operations For Period 0000 Hrs to 0600 Hrs on 06 Nov 2009

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P27	TP (RE)	G11	0000	0600	6.00	2520.0m	Cont to troubleshoot top drive hydraulic system, pipe handler and alignment problems. Prepared 8 1/2" BHA.

Operations For Period Hrs to Hrs on
Phase Data to 2400hrs, 05 Nov 2009

Phase	Phase Hrs	Start On	Finish On	Cumul. Hrs	Cumul. Days	Max Depth
Mob/Demob(P1)	69.5	21 Sep 2009	04 Oct 2009	69.50	2.896	0.0m
Conductor Hole(P2)	46.5	04 Oct 2009	06 Oct 2009	116.00	4.833	155.0m
Conductor Casing(P3)	37	06 Oct 2009	08 Oct 2009	153.00	6.375	155.0m
Surface Hole(P4)	68	08 Oct 2009	11 Oct 2009	221.00	9.208	935.0m
Surface Casing(P5)	36	11 Oct 2009	12 Oct 2009	257.00	10.708	935.0m
BOPs/Risers(P6)	61.5	12 Oct 2009	15 Oct 2009	318.50	13.271	935.0m
Production Hole (1)(P11)	176.5	15 Oct 2009	22 Oct 2009	495.00	20.625	2520.0m
Production Casing(1)(P13)	330	22 Oct 2009	05 Nov 2009	825.00	34.375	2520.0m
Maintenance / Service(P27)	18	05 Nov 2009	05 Nov 2009	843.00	35.125	2520.0m

General Comments

00:00 TO 24:00 Hrs ON 05 Nov 2009

WBM Data
Cost Today US\$ 604

Mud Type:	KCl POLYMER	API FL:	4.2cc/30min	Cl:	42500mg/l	Solids(%vol):	3%	Viscosity	62sec/qt
Sample-From:	2	Filter-Cake:	1/32nd"	K+C*1000:	9%	H2O:	93%	PV	11cp
Time:	11:00 hrs	HTHP-FL:	10.5cc/30min	Hard/Ca:	380mg/l	Oil(%):		YP	21lb/100ft²
Weight:	9.40ppg	HTHP-cake:	2/32nd"	MBT:	11	Sand:	.3	Gels 10s	11
Temp:				PM:	0.5	pH:	9	Gels 10m	15
Comment	Note: Cost is in AUD							Fann 003	10
				PF:	0.35	PHPA:	2ppb	Fann 006	11
								Fann 100	23
								Fann 200	28
								Fann 300	32
								Fann 600	43

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
Rig Fuel	m3	0	17	0	555.0
Drill Water	m3	0	0	0	604.0
Pot Water	m3	49	26	0	247.0
Brine	m3	0	0	0	71.0
Barite	MT	0	0	0	167.0
Baradefoam-W300	can	0	0	0	9.0
Barolift	boxes	0	0	0	17.0
Bentonite	MT	0	0	0	81.2
Caustic Soda	pail	0	0	0	25.0
Lime	sx	0	0	0	4.0
Soda Ash	sx	0	0	0	37.0
Sodium Bicarbonate	25kg sx	0	0	0	38.0
Shaker Screen 50	Screens	0	0	0	8.0
Citric Acid	Sacks	0	0	0	80.0

Pumps

Pump Data - Last 24 Hrs								Slow Pump Data								
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	Continental Emsco	6.50	1.09	97					30		40			50		
2	Continental Emsco	6.50	1.09	97					30		40			50		
3	Continental Emsco	6.50	1.09	97					30		40			50		

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	153.00m / 153.00m	30" Cement Job: Pumped 50 bbls spacer ahead. Mixed 260 bbls of 15.8ppg (53 MT) class G cement with 155 bbls of seawater. Displaced with 72.4 bbls of seawater.
13.38	15.15ppg /	930.00m / 930.00m	13 3/8" Cement Job: Pumped 50 bbls of spacer ahead. Mixed 436 bbls (35 MT) of 11.5 ppg lead cement with 368 bbls of mix water. Mixed 67 bbls (14 MT) of 15.8 ppg tail cement with 40 bbls of mix water. Displaced with 412 bbls of seawater.

Personnel On Board	
Company	Pax
ADA	6
Maersk	50
GRN	4
OMS	12
Reach	1
Geoservices	4
Halliburton Cementers	2
Halliburton	3
Halliburton (Baroid)	2
Dril-Quip	1
Fugro ROV	3
Swaco	1
Others	3
Origin Energy	2
Total	94

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Mike Lawrance / James Munford			
Available	2776.1bbl	Losses	0.0bbl	Equipment	Description	Mesh Size	Comments
Active	734.5bbl	Downhole		Shaker 1	Brandt VSM 300	20 top/50 bottom	
Mixing	0.0bbl	Surf+ Equip	0.0bbl	Shaker 1	Brandt VSM 300	20 top/50 bottom	
Hole	1150.6bbl	Dumped		Shaker 2	Brandt VSM 300	20 top/50 bottom	
Slug		De-Gasser		Shaker 3	Brandt VSM 300	20 top/50 bottom	
Reserve	891.0bbl	De-Sander		Shaker 3	Brandt VSM 300	20 top/50 bottom	
Kill		De-Silter		Shaker 4	Brandt VSM 300	20 top/50 bottom	
		Centrifuge		Shaker 4	Brandt VSM 300	20 top/50 bottom	

Marine								Rig Support	
Weather on 05 Nov 2009								Anchors	Tension (klb)
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period		
10.0nm	13kn	230.0deg	1024.0mbar	10C°	1.0m	240.0deg	3s	1	200.0
Heave	Pitch	Roll	Rig Dir.	Ris. Tension	VDL	Weather Comments			
1.0m	1.3deg	2.6deg	317.0deg	240000.00klb	116684.00klb				
Swell Height	Swell Dir.	Swell Period	Comments						
4.0m	260.0deg	5s							
								7	186.0
								8	199.0

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Far Scimitar			Alongside Melbourne	Item	Unit	Used	Quantity
				Rig Fuel	M3		630
				Potable Water	M3		495
				Drill Water	M3		530
					t		0
				Barite	t		0
				Bentonite	t		0
				Brine	M3		165

Far Fosna	0630 hrs 3/10/09		Rig Standby.	Item	Unit	Used	Quantity
				Rig Fuel	M3		479
				Pot Water	M3		540
				Drill Water	M3		600
				Bentonite	t		42
				Barite	t		0
					t		130
Brine	M3		0				

0740 - 0815 Cargo operations.

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	Bristow Helicopters	0923 / 0934	5 / 8	Crew Change