

DRILLING MORNING REPORT # 26
Trefoil-2

26 Oct 2009

 From: Bryan Houston / Peter Dane
 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\$618,918
Rig	Kan Tan IV	Days from spud	20.67	Shoe MDBRT	930.0m	Cumul. Cost	US\$19,849,431
Wtr Dpth(MSL)	69.0m	Days on well	25.13	FIT/LOT:	/ 15.15ppg		
RT-ASL(MSL)	26.0m	Planned TD MD	3221.0m	Current Op @ 0600	Prepare to make up 11 1/4" overshot assembly.		
RT-ML	95.0m	Planned TD TVDRT	3221.0m	Planned Op	RIH with 11 1/4" overshot assembly to top of fish at 81.5mRT and engage fish. Make a mechanical back off. POOH and lay out fish. Prepare to cut casing.		

Summary of Period 0000 to 2400 Hrs

Completed laying down 12.25" BHA. Laid down landing string that was used for 9.625" casing. Worked on TDS alignment. Made up 11 1/4" overshot assembly. RIH to 81.5mRT. Attempted to confirm injection test. No success. POOH to surface. Re-dressed 11 1/4" overshot. Worked on PH85 pipe handler counter balance. RIH with 11 1/4" overshot. Engaged fish and confirmed with 5k overpull. Attempted mechanical back-off of 9 5/8" casing. No success. POOH with fishing assembly. Pipe backed off below pup joint at 52.3m. RIH with 8 3/8" overshot and attempted to engage fish. No success. POOH to surface. Welder modifying 8 3/8" lip guide.

HSE Summary

Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill	1	2 Days	Held abandon drill	
Fire Drill	1	2 Days	Main deck - Fire in rubbish container	
Permit To Work	15	0 Days	Permits administered	
Pre-tour Meeting	2	0 Days	Shift change meetings	
Safety Meeting	2	1 Day	Held 2 x General Safety Meeting	
STOP Card	25	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 26 Oct 2009

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P13	P	G6	0000	0330	3.50	2520.0m	Laid down 12.25" BHA from derrick, 5 x 8.25" drill collars, 8" drilling jars.
P13	P	G6	0330	0530	2.00	2520.0m	Laid down landing string that was used for 9.625" casing.
P13	U	G11	0530	0600	0.50	2520.0m	Serviced break and checked TDS mud gooseneck top plug in readiness for Schlumberger wireline operations.
P13	TP (RE)	G11	0600	1130	5.50	2520.0m	Worked on TDS alignment. Removed top drive alignment cylinder. Installed spare alignment cylinder and adjusted as per set-up procedures. Investigated fault finding on the alignment hydraulic system - unsuccessful. Removed alignment cylinder and installed bracket.
P13	TP (WB)	G18	1130	1430	3.00	2520.0m	Made up 11 1/4" overshot assembly dressed with 7 7/8" basket grapple and RIH to above fish at 81.5m. Attempted to confirm injection test. Pumped 1.2 bbls to 3500psi. No success. Bled of pressure and POOH to surface.
P13	TP (WB)	G18	1430	1600	1.50	2520.0m	Re-dressed 11 1/4" overshot assembly with a new 7 7/8" basket grapple and RIH to 51mRT. Torqued each connection to 28,000 ft/lbs.
P13	TP (RE)	G11	1600	1900	3.00	2520.0m	Worked on PH85 pipe handler. Investigated problem with pipe handler counter balance. Set up and adjusted as per Varco torque wrench procedure - unsuccessful. Pipe handler still not operational.
P13	TP	G18	1900	2000	1.00	2520.0m	Held JSA. RIH with 11 1/4" overshot assembly from 51mRT to top of fish at 81.5mRT.

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P13	(WB)						Torqued each connection to 28,000 ft/lbs. Engaged fish and confirmed with 5klbs overpull. Applied 10,000 ft.lbs of left hand torque. Worked string between 5-10klbs overpull. Increased left hand torque in 2000 ft/lbs increments until torque reached 20,000 ft/lbs. Torque dropped off continued to rotate 4 1/2 turns to the left and weight dropped off.
P13	TP (WB)	G18	2000	2100	1.00	2520.0m	POOH with fishing assembly. Pipe backed off below pup joint. Top of fish #2 at 52.3mRT.
P13	TP (WB)	G18	2100	2230	1.50	2520.0m	Ran in hole with 8 3/8" overshot assembly, dressed with 6 5/8" spiral grapple to above top of fish #2 at 52.3mRT. Made several attempts to engage fish without success.
P13	TP (WB)	G18	2230	2300	0.50	2520.0m	POOH with 8 3/8" overshot assembly to surface.
P13	TP (WB)	G18	2300	2400	1.00	2520.0m	Modified 8 3/8" lip guide. Welder fabricated and welded 11 3/4" x 15" over size guide onto 8 3/8" lip guide.

Operations For Period 0000 Hrs to 0600 Hrs on 27 Oct 2009

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P13	TP (WB)	G18	0000	0130	1.50	2520.0m	Modified 8 3/8" lip guide. Welder fabricated and welded 11 3/4" x 15" over size guide onto 8 3/8" lip guide.
P13	TP (WB)	G18	0130	0430	3.00	2520.0m	Ran in hole with 8 3/8" overshot assembly, dressed with modified 11 3/4" x 15" lip guide to top of fish #2 at 52.3mRT. Successfully engaged fish. Pulled out of hole to surface and released fish. Laid out 8 3/8" overshot assembly.
P13	TP (WB)	G18	0430	0600	1.50	2520.0m	Pulled out of hole with the 11 1/4" overshot assembly. Laid down the Dril-Quip EDPHT. Serviced break and laid down 11 1/4" overshot assembly.

Operations For Period Hrs to Hrs on
Phase Data to 2400hrs, 26 Oct 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)	108	22 Oct 2009	26 Oct 2009	603.00	25.125	2520.0m

General Comments

00:00 TO 24:00 Hrs ON 26 Oct 2009

WBM Data
Cost Today US\$ 702

Mud Type:	KCl POLYMER	API FL:	4.5cc/30min	Cl:	43000mg/l	Solids(%vol):	4%	Viscosity	56sec/qt
Sample-From:	4	Filter-Cake:	1/32nd"	K+C*1000:	9%	H2O:	93%	PV	13cp
Time:	11:00 hrs	HThP-FL:	11.5cc/30min	Hard/Ca:	360mg/l	Oil(%):		YP	21lb/100ft²
Weight:	9.45ppg	HThP-cake:	2/32nd"	MBT:	11	Sand:	.3	Gels 10s	10
Temp:				PM:	0.4	pH:	9	Gels 10m	15
Comment	Note: Cost is in AUD							Fann 003	9
				PF:	0.25	PHPA:	2ppb	Fann 006	11
								Fann 100	23
								Fann 200	30
								Fann 300	34
								Fann 600	47

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
Rig Fuel	m3	0	15	0	376.0
Drill Water	m3	0	27	0	580.0
Pot Water	m3	46	25	20	181.0
Brine	m3	0	0	0	71.0
Barite	MT	0	0	0	149.7
Baradefoam-W300	can	0	0	0	9.0
Barolift	boxes	0	0	-3	18.0
Bentonite	MT	0	0	33	81.2
Caustic Soda	pail	0	0	-3	32.0

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
Lime	sx	0	0	0	4.0	
Soda Ash	sx	0	0	-41	15.0	
Sodium Bicarbonate	25kg sx	0	0	-1	38.0	
Rig Fuel	m3	0	0	0	561.0	
Drill Water	m3	0	0	0	266.0	
Potable Water	m3	0	0	0	208.0	
Shaker Screen 50	Screens	0	0	0	8.0	

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)	SPP1 (psi)	Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	Continental Emsco	6.50	1.09	97	60	3000	300	2515.0	30	220	150	40	270	200	50	350	250
2	Continental Emsco	6.50	1.09	97	60	3000	300	2515.0	30	240	190	40	290	260	50	350	250
3	Continental Emsco	6.50	1.09	97	60	3000	300	2515.0	30	200	150	40	270	200	50	350	260

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	4
Maersk	47
GRN	3
OMS	11
Nopsa	2
Geoservices	4
Halliburton Cementers	2
Halliburton	3
Halliburton (Baroid)	2
Dril-Quip	1
Fugro ROV	3
Swaco	1
PCS	3
Smith Services	1
Schlumberger	4
Others	1
Total	92

Mud Volumes, Mud Losses and Shale Shaker Data

Engineer : Mike Lawrance / James Munford

Available	2874.0bbl	Losses	6.4bbl	Equipment	Description	Mesh Size	Comments
Active	663.0bbl	Downhole		Shaker 1	Brandt VSM 300	20 top/100bottom	
Mixing	0.0bbl	Surf+ Equip	0.0bbl	Shaker 2	Brandt VSM 300	20 top/100bottom	
Hole	1151.0bbl	Dumped		Shaker 3	Brandt VSM 300	20 top/100bottom	
Slug	25.0bbl	De-Gasser		Shaker 4	Brandt VSM 300	20 top/100bottom	
Reserve	975.0bbl	De-Sander					
Kill	60.0bbl	De-Silter Centrifuge trip	0.0bbl 6.4bbl				

Marine

Weather on 26 Oct 2009								Rig Support	
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)
10.0nm	8kn	215.0deg	1028.0mbar	11C°	0.6m	200.0deg	3s	1	203.0
Heave	Pitch	Roll	Rig Dir.	Ris. Tension	VDL	Weather Comments			
1.0m	0.5deg	1.2deg	317.0deg	240000.00klb	181872.00klb				
Swell Height	Swell Dir.	Swell Period	Comments						
1.8m	221.0deg	5s							
								2	210.0
								3	202.0
								4	213.0
								5	230.0
								6	215.0
								7	200.0
								8	214.0

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Item	Unit	Used	Quantity				
Far Scimitar			On location KT4	Rig Fuel	M3		385
				Potable Water	M3		500
				Drill Water	M3		196
					t		0
				Barite	t		0
				Bentonite	t		0
				Brine	M3		165
Far Fosna	22:00 hrs 25/10/09	23:15 hrs 25/10/09	Enroute to Melbourne	Rig Fuel	M3		324
				Pot Water	M3		463
				Drill Water	M3		362
				Bentonite	t		42
				Barite	t		20
					t		130
				Brine	M3		65

Helicopter Movement

Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	Bristow Helicopters	09:12 hrs / 09:22 hrs	10 / 8	Crew change
2	Bristow Helicopters	13:02 hrs / 13:11 hrs	4 / 3	Crew change