

19 Nov 2009

 From: Bryan Houston / Paul Leatham  
 To: Texas Richards

**DRILLING MORNING REPORT # 50**  
**Trefoil-2**

<b>Trefoil-2</b>					
<b>Date:</b>	19 Nov 2009	<b>Well Site Representative:</b>	Bryan Houston	<b>OIM:</b>	Brian Meechan
<b>Report Number:</b>	50	<b>Night Representative:</b>	Paul Leatham	<b>Drilling Company:</b>	Maersk
<b>Latitude (South):</b>	39 ° 53 ' 07.89 "	<b>Longitude (East):</b>	145 ° 22 ' 14.87 "	<b>Geologist:</b>	Dennis Archer

Well Data						
Country	Australia	MDBRT	3235.0m	Cur. Hole Size	8.500in	AFE Cost US\$1
Field	Trefoil	TVDBRT	3235.0m	Last Casing OD	9.625in	AFE No. Trefoil-2
Drill Co.	Maersk	Progress	0.0m	Shoe TVDBRT	2520.0m	Daily Cost US\$1,226,410
Rig	Kan Tan IV	Days from spud	44.67	Shoe MDBRT	2520.0m	Cumul. Cost US\$35,354,902
Wtr Dpth(MSL)	69.0m	Days on well	49.13	FIT/LOT:	11.00ppg /	Last LTI Date 01 Nov 2009
RT-ASL(MSL)	26.0m	Planned TD MD	3221.0m			Days Since Last LTI 18
RT-ML	95.0m	Planned TD TVDRT	3221.0m	Current Op @ 0600	Continued with Schlumberger wire line run #2 (MDT/ XPT).	
Datum	GDA 94	Last BOP Test	05 Nov 2009	Planned Op	Continue with Schlumberger wire line run #2 (MDT/ XPT).	

**Summary of Period 0000 to 2400 Hrs**

Completed wireline run #1. RIH and logged with wireline run #2 (MDT/XPT). Rig crews installed new camera bracket in the mast. Serviced the fluid ends on all 3 mud pumps. Installed covers to draw works. General rig maintenance and housekeeping.

**HSE Summary**

Events	Num. Events	Days Since	Descr.	Remarks
Last BOP Test	05 Nov 2009			
Abandon Drill	0	5 Days	Held abandon drill	
Emergency Drill	0	15 Days	Full Emergency drill performed	
Fire Drill	0	5 Days	Main deck - Fire in Control room	
Permit To Work	19	0 Days	Permits administered	
Pre-tour Meeting	2	0 Days	Shift change meetings	
Safety Meeting	0	4 Days	General safety meetings	Dropped object awareness presentation.
Safety Meeting	19	0 Days	Prejob safety meetings	
STOP Card	44	0 Days	Number of STOP Cards submitted	

**FORMATION**

Name	Top
Cretaceous	3068.00m
TF50 Sand	3130.50m
TF80 Sand	3149.80m
Base TF110 Sand	3180.00m
Total Depth (TD)	3235.00m

**Operations For Period 0000 Hrs to 2400 Hrs on 19 Nov 2009**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P17	P	E3	0000	1100	11.00	3235.0m	Continued with wireline run #1 (CMR+/ Pex/ HRLA/ HNGS). Monitored well on trip tank.
P17	P	E3	1100	1200	1.00	3235.0m	POOH with run #1 and removed sources. Laid down run #1 tools. Filled trip tank (35.8bbbls).
P17	P	E3	1200	1300	1.00	3235.0m	Picked up and made up tools for run #2.
P17	P	E3	1300	2400	11.00	3235.0m	RIH and logged with run #2 (MDT/XPT). Monitoring well on Trip Tank. Completed 35 pretests between 2560.1m and 3055m.  Rig crews installed new camera bracket in the mast. Serviced the fluid ends on all 3 mud pumps. Installed covers to draw works. General rig maintenance and

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
							housekeeping.

**Operations For Period 0000 Hrs to 0600 Hrs on 20 Nov 2009**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P17	P	E3	0000	0600	6.00	3235.0m	Continued with wire line run #2 (MDT/XPT). Completed 4 correlation runs and 65 pretests from 2560.1m to 3208.3m (50 valid, 14 tight, 1 super charged). Monitored well on trip tank. Continued to PMS drilling equipment.

**Operations For Period Hrs to Hrs on**
**Phase Data to 2400hrs, 19 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)	53.5	04 Oct 2009	06 Oct 2009	123.00	5.125	155.0m
Conductor Casing(P3)	30	07 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)	359	22 Oct 2009	06 Nov 2009	854.00	35.583	2520.0m
Liner Hole (1)(P17)	325	06 Nov 2009	19 Nov 2009	1,179.00	49.125	3235.0m

**General Comments**

00:00 TO 24:00 Hrs ON 19 Nov 2009

**WBM Data**
**Cost Today US\$ 0**

Mud Type:	KCl	API FL:	5.0cc/30min	Cl:	37000mg/l	Solids(%vol):	4%	Viscosity	58sec/qt
	POLYMER	Filter-Cake:	1/32nd"	K+C*1000:	7%	H2O:	93%	PV	12cp
Sample-From:	2	HTHP-FL:	10.0cc/30min	Hard/Ca:	320mg/l	Oil(%):		YP	29lb/100ft <sup>2</sup>
Time:	22:00 hrs	HTHP-cake:	1/32nd"	MBT:	10	Sand:	.3	Gels 10s	8
Weight:	9.50ppg			PM:	0.2	pH:	9	Gels 10m	11
Temp:				PF:	0.1	PHPA:	2ppb	Fann 003	7
Comment	Note: Cost is in AUD							Fann 006	8
								Fann 100	26
								Fann 200	34
								Fann 300	41
								Fann 600	53

**Bulk Stocks**

Name	Unit	In	Used	Adjust	Balance
Rig Fuel	m3	0	34	0	362.0
Drill Water	m3	0	102	0	752.0
Pot Water	m3	0	40	0	180.0
Brine	m3	0	0	0	180.0
Barite	MT	0	0	0	81.6
Baradefoam-W300	can	0	0	0	9.0
Barolift	boxes	0	0	0	16.0
Bentonite	MT	0	0	0	46.0
Caustic Soda	pail	0	0	0	0.0
Lime	sx	0	0	0	0.0
Soda Ash	sx	0	0	0	33.0
Sodium Bicarbonate	25kg sx	0	0	0	38.0
Shaker Screen 50	Screens	0	0	0	8.0
Citric Acid	Sacks	0	0	0	78.0

**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

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
9.63	/ 11.00ppg	2520.00m / 2520.00m	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. No Cmt

Personnel On Board	
Company	Pax
ADA	4
Maersk	44
GRN	4
OMS	15
Reach	1
Geoservices	4
Halliburton Cementers	2
Halliburton (Baroid)	2
Fugro ROV	3
Swaco	1
Sperry Sun	2
Other Contractor	1
Origin Energy	2
Schlumberger (Wireline)	7
Total	92

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Jay Wan / James Munford			
Available	1570.7bbl	Losses	15.0bbl	Equipment	Description	Mesh Size	Comments
Active	583.0bbl	Downhole	15.0bbl	Shaker 1	Brandt VSM 300	20 top/50 bottom	
Mixing	0.0bbl	Surf+ Equip		Shaker 1	Brandt VSM 300	20 top/50 bottom	
Hole	860.0bbl	Dumped		Shaker 2	Brandt VSM 300	20 top/50 bottom	
Slug		De-Gasser		Shaker 2	Brandt VSM 300	20 top/50 bottom	
Reserve	127.7bbl	De-Sander		Shaker 3	Brandt VSM 300	20 top/50 bottom	
Kill		De-Silter		Shaker 3	Brandt VSM 300	20 top/50 bottom	
		Centrifuge evaporation		Shaker 4	Brandt VSM 300	20 top/50 bottom	
				Shaker 4	Brandt VSM 300	20 top/50 bottom	

Marine									
Weather on 19 Nov 2009							Rig Support		
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)
10.0nm	5kn	214.0deg	1005.0mbar	15C°	0.0m	210.0deg	2s	1	198.0
Heave	Pitch	Roll	Rig Dir.	Ris. Tension	VDL	Weather Comments		2	192.0
0.0m	0.6deg	2.0deg	317.0deg	240000.00klb	116684.00klb	Fine		3	162.0
Swell Height	Swell Dir.	Swell Period	Comments					4	191.0
3.0m	200.0deg	5s						5	200.0
								6	198.0
								7	190.0
								8	207.0

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Item	Unit	Used	Quantity				
Far Scimitar	12.45 19th Nov 09		Rig stby.				
Rig Fuel	M3		550				
Potable Water	M3		154				
Drill Water	M3		817				
	t		0				
Barite	t		0				
Bentonite	t		0				
Brine	M3		112				

0000 - 0040 Alongside Melbourne  
 0040 - 1245 On route Melb to KT4  
 1245 - 1545 Discharge deck cargo  
 1545 - 2105 Running stby

2105 - 2255 Cargo transfer from Fosna to Scimitar 2255 - 2400 Running stby							
Far Fosna	06.20 13/11/09		Stand-By at KT4	<b>Item</b>	<b>Unit</b>	<b>Used</b>	<b>Quantity</b>
				Rig Fuel	M3		658
				Pot Water	M3		420
				Drill Water	M3		600
				Bentonite	t		42
				Barite	t		40
					t		130
Brine	M3		0				
0001 - 0210 r/stby 0210 - 0510 s/s rig 0510 - 2040 r/stby 2040 - 2250 Transfer cargo F/ Fosna - Scimitar 2250 - 2400 r/stby							