

DRILLING MORNING REPORT # 59
Trefoil-2

28 Nov 2009

 From: Bryan Houston / Kevin Monkhouse
 To: Texas Richards

Trefoil-2					
Date:	28 Nov 2009	Well Site Representative:	Bryan Houston	OIM:	Brian Meechan
Report Number:	59	Night Representative:	Kevin Monkhouse	Drilling Company:	Maersk
Latitude (South):	39 ° 53 ' 07.89 "	Longitude (East):	145 ° 22 ' 14.87 "	Geologist:	

Well Data							
Country	Australia	MDBRT	3235.0m	Cur. Hole Size	8.500in	AFE Cost	US\$33,167,745
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\$552,313
Rig	Kan Tan IV	Days from spud	53.67	Shoe MDBRT	2520.0m	Cumul. Cost	US\$40,497,207
Wtr Dpth(MSL)	69.0m	Days on well	58.13	FIT/LOT:	11.00ppg /	Last LTI Date	01 Nov 2009
RT-ASL(MSL)	26.0m	Planned TD MD	3221.0m			Days Since Last LTI	27
RT-ML	95.0m	Planned TD TVDRT	3221.0m	Current Op @ 0600	Running Anchor #2. Fosna on tow Bridle.		
Datum	GDA 94	Last BOP Test	05 Nov 2009	Planned Op	Recover #6 anchor and move rig from Trefoil-2 location to Rockhopper-1 location. Deploy anchors.		

Summary of Period 0000 to 2400 Hrs
Recovered anchors #5 and #8. Cranes out of limit due to weather. Laid out tubulars from mast and sea fastened. Deballasted rig to transit draft. Recovered anchors #1, #4, #3, #7. Far Fosna connected to tow bridle. Far Scimitar recovered anchor #2.

HSE Summary				
Events	Num. Events	Days Since	Descr.	Remarks
Last BOP Test	05 Nov 2009			
Abandon Drill	1	0 Days	Held abandon drill	Held full muster and abandonment drill at aft lifeboat station.
Emergency Drill	0	24 Days	Full Emergency drill performed	
Fire Drill	0	14 Days	Main deck - Fire in Control room	
First Aid Case	1	0 Days	Minor strain to left Trapezius muscle. IP was treated and returned to work.	
Permit To Work	13	0 Days	Permits administered	
Pre-tour Meeting	2	0 Days	Shift change meetings	
Safety Meeting	0	13 Days	General safety meetings	
Safety Meeting	13	0 Days	Prejob safety meetings	
Safety Meeting	7	0 Days	Safety Meetings	
STOP Card	36	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 28 Nov 2009							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P1	P	M4	0000	0130	1.50	3235.0m	00:40 Anchor #8 suspended at cow catcher. 01:10 Anchor #5 suspended at cow catcher.
P1	P	G2	0130	0800	6.50	3235.0m	Waited on weather. Winds gusting 40knts, heave 3m to 4m.

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P1	P	M7	0800	1000	2.00	3235.0m	Pitched max 4.5deg, rolled max 3.5deg. Continued to lay down tubulars from mast.
P1	P	M3	1000	1430	4.50	3235.0m	Sea fastenings completed.
P1	P	M4	1430	2400	9.50	3235.0m	Deballasted rig to transit draft. Recovered Anchors. #5 anchor racked back at 14:35. #8 anchor racked at back 14:55. #1 anchor commenced at 15:52 and racked back at 18:45 (Far Scimitar). #4 anchor commenced at 16:15 and racked back at 18:07 (Far Fosna). #3 anchor commenced at 18:30 and racked back at 19:58 (Far Fosna). 20:50 Far Fosna connected to tow bridle. #7 anchor commenced at 19:12 and completed at 21:51 (Far Scimitar). #2 anchor commenced at 22:15 (Far Scimitar).

Operations For Period 0000 Hrs to 0600 Hrs on 29 Nov 2009

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P1	P	M4	0000	0100	1.00	3235.0m	Recovered anchors 00:04 #2 anchoring completed. 00:30 rig hauled in on #6 anchor to bring rig over anchor for pick up. Rig 500m from Trefoil-2 location to mark end of well at 01:00hrs. Rig transfer to Rockhopper-1 AFE

Phase Data to 2400hrs, 28 Nov 2009

Phase	Phase Hrs	Start On	Finish On	Cumul. Hrs	Cumul. Days	Max Depth
Conductor Hole(P2)	53.5	04 Oct 2009	06 Oct 2009	53.50	2.229	155.0m
Conductor Casing(P3)	30	07 Oct 2009	08 Oct 2009	83.50	3.479	155.0m
Surface Hole(P4)	68	08 Oct 2009	11 Oct 2009	151.50	6.313	935.0m
Surface Casing(P5)	36	11 Oct 2009	12 Oct 2009	187.50	7.813	935.0m
BOPs/Risers(P6)	61.5	12 Oct 2009	15 Oct 2009	249.00	10.375	935.0m
Production Hole (1)(P11)	176.5	15 Oct 2009	22 Oct 2009	425.50	17.729	2520.0m
Production Casing(1)(P13)	359	22 Oct 2009	06 Nov 2009	784.50	32.688	2520.0m
Liner Hole (1)(P17)	359.5	06 Nov 2009	21 Nov 2009	1,144.00	47.667	3235.0m
Suspend and Abandon(P21)	153.5	21 Nov 2009	27 Nov 2009	1,297.50	54.063	3235.0m
Mob/Demob(P1)	97.5	21 Sep 2009	28 Nov 2009	1,395.00	58.125	3235.0m

General Comments

00:00 TO 24:00 Hrs ON 28 Nov 2009

Operational Comments	Text
	End of well with rig 500m from Trefoil-2 location was at 01:00hrs on the 29th Nov 2009. SOFs taken from Kan Tan IV, Far Fosna and Far Scimitar

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
Rig Fuel	m3	0	10.633	-53.14	244.6
Drill Water	m3	71.123	10.16	-20.4	193.0
Pot Water	m3	37.594	40.642	19.4	215.4
Brine	m3	0	0	0	180.0
Barite	MT	0	0	0	81.6
Baradefoam-W300	can	0	0	0	8.0
Barolift	boxes	0	0	0	16.0
Bentonite	MT	0	0	0	46.0
Caustic Soda	pail	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 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.
9.63	/ 11.00ppg	2520.00m / 2520.00m	No Cmt

Personnel On Board	
Company	Pax
ADA	5
Maersk	43
GRN	5
OMS	24
Dril-Quip	1
Geoservices	2
Halliburton Cementers	2
Halliburton (Baroid)	2
Fugro Survey	2
Fugro ROV	6
Other Contractor	1
Reach	1
Total	94

Marine								Rig Support	
Weather on 28 Nov 2009								Anchors	Tension (klb)
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period		
10.0nm	8kn	84.0deg	997.0mbar	13C°	1.0m	25.0deg	4s	1	
Heave	Pitch	Roll	Rig Dir.	Ris. Tension	VDL	Weather Comments			
1.0m	1.8deg	2.0deg	317.0deg	0.00klb	745.00klb				
Swell Height	Swell Dir.	Swell Period	Comments						
1.3m	25.0deg	5s							
								2	0.0
								3	0.0
								4	0.0
								5	0.0
								6	0.0
								7	0.0
								8	0.0

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks							
				Item	Unit	Used	Quantity				
Far Scimitar	23:15 - 21/11/09		Anchor handling	Rig Fuel	M3		424				
				Potable Water	M3		127				
				Drill Water	M3		523				
					t		0				
				Barite	t		0				
				Bentonite	t		0				
				Brine	M3		112				
				Mud	bbl		145				
				00:00 - 00:48 Anchor handling 00:48 - 15:00 Stand by 15:00 - 24:00 Anchor handling							
				Far Fosna	23:30 - 24/11/2009		On tow bridle	Rig Fuel	M3		570
Pot Water	M3		348								
Drill Water	M3		600								
Bentonite	t		42								
Barite	t		40								
	t		130								
Brine	M3		0								
Mud	bbl		880								
00:00-01:20 Anchor handling 01:20-14:55 Standby 14:55-20:55 Anchor handling 20:55-24:00 On static tow											

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
KT01	-	0924 / 0941	10 / 13	Crew Change