

DRILLING MORNING REPORT # 56
Trefoil-2

25 Nov 2009

 From: Bryan Houston / Kevin Monkhouse
 To: Texas Richards

Trefoil-2					
Date:	25 Nov 2009	Well Site Representative:	Bryan Houston	OIM:	Brian Meechan
Report Number:	56	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\$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\$569,244
Rig	Kan Tan IV	Days from spud	50.67	Shoe MDBRT	2520.0m	Cumul. Cost US\$38,854,861
Wtr Dpth(MSL)	69.0m	Days on well	55.13	FIT/LOT:	11.00ppg /	Last LTI Date 01 Nov 2009
RT-ASL(MSL)	26.0m	Planned TD MD	3221.0m			Days Since Last LTI 24
RT-ML	95.0m	Planned TD TVDRT	3221.0m	Current Op @ 0600	RIH with 18 3/4" collet spear and jarring BHA.	
Datum	GDA 94	Last BOP Test	05 Nov 2009	Planned Op	Recover 18 3/4" wellhead and PGB. Lay out remaining tubulars from mast. Deballast rig and recover anchors.	

Summary of Period 0000 to 2400 Hrs
Laid out slip joint, riser pup joints, one joint of bouyancy riser. Pulled BOP into moonpool and landed same on Nomar carrier. Removed guide lines and double of riser and set BOP back at aft station. Laid out double and rigged down riser handling equipment and rigged up to handle pipe. Serviced rig. Made up 20"x30" casing cutter and shallow tested same. RIH and landed out in wellhead. Took 30klbs overpull and commenced to cut 20"/30" casing. Attempted to pull casing free with 200klbs and 300klbs overpulls.

HSE Summary				
Events	Num. Events	Days Since	Descr.	Remarks
Last BOP Test	05 Nov 2009			
Abandon Drill	0	3 Days	Held abandon drill	
Emergency Drill	0	21 Days	Full Emergency drill performed.	
Fire Drill	0	11 Days	Main deck - Fire in Control room	
Permit To Work	12	0 Days	Permits administered	
Pre-tour Meeting	2	0 Days	Shift change meetings	
Safety Meeting	0	10 Days	General safety meetings	Dropped object awareness presentation.
Safety Meeting	7	1 Day	Safety Meetings	
Safety Meeting	12	0 Days	Prejob safety meetings	
STOP Card	31	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 25 Nov 2009							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P21	P	G13	0000	0100	1.00	3235.0m	Pulled slip joint. Disconnected and laid out same.
P21	P	G13	0100	0230	1.50	3235.0m	Continued to pull riser and BOPs
P21	P	G13	0230	0700	4.50	3235.0m	BOP at surface. Secured BOP on Nomar carrier. Disconnected riser from BOP and laid out same while moving BOP to aft of moon pool area.
P21	P	G1	0700	0930	2.50	3235.0m	Rigged down riser handling equipment and rigged up to handle DP
P21	P	G11	0930	1000	0.50	3235.0m	Serviced rig.

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P21	P	G7	1000	1230	2.50	3235.0m	Made up Smith casing cutting assembly. Shallow tested cutter assembly with 196gpm, 500psi - ok.
P21	P	G7	1230	1300	0.50	3235.0m	Made up centralising ropes from cutting assembly to guide lines in moonpool.
P21	P	G8	1300	1400	1.00	3235.0m	RIH with casing cutting assembly. Stabbed into wellhead and landed out rotating spear with 15klbs down weight. Picked up to 220klbs to test latch. Reduced to 200klbs (30klbs overpull).
P21	P	G17	1400	1630	2.50	3235.0m	Commenced cutting 20"/30" casing at 99.4m, 4.5m below mud line (80rpm, 2/3k ft-lbs, 160gpm, 780psi).
P21	P	G17	1630	1700	0.50	3235.0m	Stopped cutting casing. Attempted to pull casing free with 200klbs overpull - unsuccessful.
P21	P	G17	1700	2400	7.00	3235.0m	Continued to cut 20"/30" casing (100rpm, 185gpm, 1200psi, 3/5k ft-lbs.). Observed 18 3/4" wellhead turning at intermittent intervals.

Operations For Period 0000 Hrs to 0600 Hrs on 26 Nov 2009

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P21	P	G17	0000	0030	0.50	3235.0m	Stopped cutting casing. Attempted to pull casing free with 300klbs overpull - unsuccessful.
P21	P	G7	0030	0100	0.50	3235.0m	Released Smith collet spear from 18 3/4" wellhead.
P21	P	G8	0100	0130	0.50	3235.0m	POOH with 20"x 30" cutting BHA.
P21	P	G7	0130	0330	2.00	3235.0m	Checked condition of casing cutter assembly. Knives confirmed that 20" and 30" casing had been cut. Laid out cutting BHA.
P21	P	G7	0330	0600	2.50	3235.0m	Made up grapple, fishing jar and accelerator BHA and RIH to seabed.

Operations For Period Hrs to Hrs on
Phase Data to 2400hrs, 25 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)	359.5	06 Nov 2009	21 Nov 2009	1,213.50	50.563	3235.0m
Suspend and Abandon(P21)	109.5	21 Nov 2009	25 Nov 2009	1,323.00	55.125	3235.0m

General Comments

00:00 TO 24:00 Hrs ON 25 Nov 2009

Operational Comments	Port Ballast Pump electric motor burned out. Pump out of service
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WBM Data
Cost Today US\$ 126

Mud Type:	KCI POLYMER	API FL:	5.2cc/30min	Cl:	39000mg/l	Solids(%vol):	4%	Viscosity	55sec/qt
Sample-From:	2	Filter-Cake:	1/32nd"	K+C*1000:	7%	H2O:	93%	PV	14cp
Time:	19:00 hrs	HTHP-FL:	11.2cc/30min	Hard/Ca:	800mg/l	Oil(%):		YP	29lb/100ft ²
Weight:	9.50ppg	HTHP-cake:	1/32nd"	MBT:	9	Sand:	.3	Gels 10s	9
Temp:				PM:	0.2	pH:	8.5	Gels 10m	11
				PF:	0.1	PHPA:	2ppb	Fann 003	8
								Fann 006	10
								Fann 100	26
								Fann 200	37
								Fann 300	43
								Fann 600	57
Comment	Note: Cost is in AUD								

BHA # 32

Weight(Wet)	Length	37.0m	Torque(max)	D.C. (1) Ann Velocity
Wt Below Jar(Wet)	String	175.00klb	Torque(Off.Btm)	D.C. (2) Ann Velocity
	Pick-Up	170.00klb	Torque(On.Btm)	5000ft-lbs
	Slack-Off	180.00klb		H.W.D.P. Ann Velocity
				D.P. Ann Velocity

BHA Run Description		20" x 30" casing cut and 18 3/8" well head retrieval assembly				
BHA Run Comment						
Equipment	Length	OD	ID	Serial #	Comment	
Casing Cutter	7.95m	8.00in				
8in DC	28.19m					
X/O	0.90m					

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
Rig Fuel	m3	0	8.27	-4.5	314.2	
Drill Water	m3	0	183.9	-245.1	193.0	
Pot Water	m3	44.7	42.674	-42.1	187.9	
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	
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	

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	1.12	97					30			40			50		
2	Continental Emsco	6.50	1.12	97					30			40		336	50	560	420
3	Continental Emsco	6.50	1.12	97					30			40			50	600	420

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	46
GRN	5
OMS	20
Dril-Quip	1
Geoservices	2
Halliburton Cementers	2
Halliburton (Baroid)	2
PCS	3
Fugro ROV	3
Smith Services	2
Other Contractor	1
Reach	1
Total	93

Mud Volumes, Mud Losses and Shale Shaker Data

Engineer : Jay Wan / James Munford

Available	1458.2bbl	Losses	100.6bbl	Equipment	Description	Mesh Size	Comments
Active	764.8bbl	Downhole					
Mixing	0.0bbl	Surf+ Equip	0.0bbl				
Hole	548.4bbl	Dumped	35.0bbl				
Slug		De-Gasser					
Reserve	145.0bbl	De-Sander					
Kill		De-Silter					
		Centrifuge Left Behind	65.6bbl				

Marine

Weather on 25 Nov 2009								Rig Support	
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)
10.0nm	7kn	277.0deg	1020.0mbar	14C°	2.0m	290.0deg	2s	1	150.0
Heave	Pitch	Roll	Rig Dir.	Ris. Tension	VDL	Weather Comments			
4.0m	0.5deg	1.3deg	317.0deg	240.00klb	947.00klb				
Swell Height	Swell Dir.	Swell Period	Comments						
3.0m	290.0deg	5s							
								2	162.0
								3	289.0
								4	150.0
								5	204.0
								6	210.0
								7	172.0
								8	196.0

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Item	Unit	Used	Quantity				
Far Scimitar			KT4 Standby.	Rig Fuel	M3		467
				Potable Water	M3		136
				Drill Water	M3		637
					t		0
				Barite	t		0
				Bentonite	t		0
				Brine	M3		112
Far Fosna	23.30 24/11/09	22/11/09	Rig Stby	Rig Fuel	M3		624
				Pot Water	M3		388
				Drill Water	M3		600
				Bentonite	t		42
				Barite	t		40
					t		130
				Brine	M3		0

Helicopter Movement

Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	Bristow Helicopters	0909 / 0926	12 / 9	Crew Change. 1 x PAX out was a medical case from the Far Fosna