

11 Oct 2009

From: John McGarrity/ Peter Dane
To: Texas Richards

DRILLING MORNING REPORT # 11
Trefoil-2

Well Data							
Country	Australia	MDBRT	935.0m	Cur. Hole Size	17.500in	AFE Cost	US\$33,167,745
Field	Trefoil	TVDBRT	935.0m	Last Casing OD	30.000in	AFE No.	Trefoil-2
Drill Co.	Maersk	Progress	0.0m	Shoe TVDBRT	153.0m	Daily Cost	US\$600,000
Rig	Kan Tan IV	Days from spud	5.67	Shoe MDBRT	153.0m	Cum Cost	US\$10,432,091
Wtr Dpth(MSL)	69.0m	Days on well	10.13	FIT/LOT:	/		
RT-ASL(MSL)	26.0m	Planned TD MD	3221.0m	Current Op @ 0600	Circulating 13 3/8" casing.		
RT-ML	95.0m	Planned TD TVDRT	3221.0m	Planned Op	Cement and displace 13 3/8" casing. Release 18 3/4" running tool. POOH with landing string. Run BOP and riser.		

Summary of Period 0000 to 2400 Hrs

POOH with 17 1/2" BHA.
Rigged up to run 13 3/8" casing.
Ran 13 3/8" casing.
Rigged down 13 3/8" casing handling equipment.
Rigged up 5" drill pipe handling equipment.

HSE Summary

Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill	1	11 Days	Held abandon Drill prior to tow.	
Last BOP stack test	2	37 Days	Test BOP	
Permit To Work	12	0 Days	Permits administerd.	
Pre-tour Meeting	2	1 Day	Shift change meetings	
Safety Meeting	2	7 Days	Held 2 x General Safety Meeting	
STOP Card	48	0 Days	Number of STOP Cards submitted	

FORMATION

Name	Top
Torquay Group	95.00m
Lower Miocene Seismic Marker	918.00m

Operations For Period 0000 Hrs to 2400 Hrs on 11 Oct 2009

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P4	P	G6	0000	0200	2.00	935.0m	Handle BHA. Continue POOH with BHA. Retrieved MWD probe.
P5	P	G1	0200	0300	1.00	935.0m	Picked up cement stand and RIH and laid out side FOSV, side entry sub, FOSV. Picked up Halliburton SSR cement head and made up same. Racked cement stand back in derrick.
P5	P	G1	0300	0530	2.50	935.0m	Held JSA. Rigged up 13 3/8" casing handling equipment.
P5	P	G9	0530	0630	1.00	935.0m	Picked up shoe joint and checked float - ok. Made up float collar joint and checked float - ok. Thread locked the shoe track. Picked up and installed C plates for guideline attachment.
P5	P	G9	0630	1000	3.50	935.0m	Ran 13 3/8" casing from 24m to 146m. Stabbed into well with ROV assistance.
P5	P	G1	1000	1330	3.50	935.0m	Held JSA. Rigged up Premium Casing Services, FMS, 500 ton elevators and control lines. Made up FACL
P5	P	G9	1330	2230	9.00	935.0m	Ran 13 3/8" casing from 146m to 826m. Filled pipe every 5 joints with mud.
P5	P	G9	2230	2330	1.00	935.0m	Rigged down 13 3/8" casing handling equipment and rigged up 5" drill pipe handling equipment.
P5	P	G12	2330	2400	0.50	935.0m	Prepared to pick up 18 3/4" HPWH.

Operations For Period 0000 Hrs to 0600 Hrs on 12 Oct 2009

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P5	P	G12	0000	0100	1.00	935.0m	Picked up and made up 18 3/4" HPWH housing. Lowered housing to rotary table and set in slips.

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P5	P	G12	0100	0200	1.00	935.0m	Ran in hole with 13 3/8" casing with 5" HWDP landing string. Broke circulation and washed down to 13m above the wellhead.
P5	P	G12	0200	0300	1.00	935.0m	Made up cement stand. Landed the 18 3/4" wellhead. Confirmed with 50k overpull. ROV confirmed bullseye 0.25 deg aft/port.
P5	P	G12	0300	0400	1.00	935.0m	Rigged up surface lines. Attached cement hose to Halliburton cement head assembly and connected control head lines.
P5	P	F3	0400	0600	2.00	935.0m	Circulated with seawater 1.5 times casing volume at 12 bpm, 500 gpm, 850 psi.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 11 Oct 2009

Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum 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)	22	11 Oct 2009	11 Oct 2009	243.00	10.125	935.0m

General Comments

00:00 TO 24:00 Hrs ON 11 Oct 2009

WBM Data

Cost Today US\$ 0

Mud Type:	PAD mud	API FL:	Cl:	Solids(%vol):	Viscosity	58sec/qt
Sample-From:	3	Filter-Cake:	K+C*1000:	H2O:	PV	11cp
Time:	1730	HTHP-FL:	Hard/Ca:	Oil(%):	YP	19lb/100ft²
Weight:	9.00ppg	HTHP-cake:	MBT:	Sand:	Gels 10s	7
Temp:	20C°		PM:	pH:	Gels 10m	9
			PF:	PHPA:	Fann 003	7
					Fann 006	9
					Fann 100	14
					Fann 200	24
					Fann 300	30
					Fann 600	41
Comment		Note: Cost is in AUD				

Bit # 2				Wear	I	O1	D	L	B	G	O2	R
					2	2	NO	A	2	I	NO	
Bitwear Comments:												
Size ("):	17.50in	IADC#	115	Nozzles		Drilled over last 24 hrs		Calculated over Bit Run				
Mfr:	Smith	WOB(avg)	9000.00klb	No.	Size	Progress	0.0m	Cum. Progress	787.0m			
Type:	mt	RPM(avg)	120	1	13/32nd"	On Bottom Hrs	0.0h	Cum. On Btm Hrs	33.3h			
Serial No.:	PM2605	F.Rate	1150gpm	3	22/32nd"	IADC Drill Hrs	0.0h	Cum IADC Drill Hrs	40.0h			
Bit Model	XR+VCPS	SPP	2350psi			Total Revs		Cum Total Revs	0			
Depth In	153.0m	HSI				ROP(avg)	N/A	ROP(avg)	23.63 m/hr			
Depth Out	935.0m	TFA	1.243									
Bit Comment												

BHA # 2

Weight(Wet)	75000.00klb	Length	244.3m	Torque(max)	18000ft-lbs	D.C. (1) Ann Velocity	130fpm
Wt Below Jar(Wet)	25000.00klb	String	260000.00klb	Torque(Off.Btm)	2500ft-lbs	D.C. (2) Ann Velocity	116fpm
		Pick-Up	260000.00klb	Torque(On.Btm)	6000ft-lbs	H.W.D.P. Ann Velocity	100fpm
		Slack-Off	270000.00klb			D.P. Ann Velocity	100fpm

BHA Run Description

BHA Run Comment

Equipment	Length	OD	ID	Serial #	Comment
Bit	0.44m	17.50in		PM2605	
Bit Sub	1.22m	9.50in	3.00in		
MWD	9.74m	9.50in	3.25in	46809	
Stabiliser	2.51m	17.50in		T19048	

Equipment	Length	OD	ID	Serial #	Comment
Drill Collar	9.45m	9.50in		1141	
Stabiliser	2.05m	17.50in		207A34	
X/Over Sub	1.13m	8.00in		94	
Drill Collar	18.63m	8.25in		1160	
Drilling Jars	9.68m	8.00in		1158	
Drill Collar	75.33m	8.25in			
X/Over Sub	1.09m	5.00in	3.00in		
HWDP	113.04m				

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
Rig Fuel	m3	0	2	0	509.0
Drill Water	m3	0	16	0	290.0
Pot Water	m3	11	10	0	221.0
Brine	m3	0	0	0	88.0
Barazan D+	25kg/sx	0	0	0	48.0
Barite	MT	0	0	0	47.0
Baradefoam-W300	can	0	0	0	16.0
Barolift	boxes	0	0	0	18.0
Bentonite	MT	0	0	0	0.0
Caustic Soda	pail	0	0	0	26.0
Con-Det	5 gal/pail	0	0	0	32.0
Dextrid Lte	25kg/sx	0	0	0	216.0
Guar Gum	25kg/sx	0	0	0	20.0
Lime	sx	0	0	0	50.0
Mica	25kg/sx	0	0	0	40.0
Omyacarb 5	25kg/sx	0	0	0	240.0
Pac-LE	25kg/sx	0	0	0	110.0
Soda Ash	sx	0	0	0	63.0
Shaker Screen 110	box	0	0	0	24.0
Shaker Screen 140	box	0	0	0	40.0
Shaker Screen 175	box	0	0	0	24.0
Shaker Screen 50	box	0	0	0	24.0
Shaker Screen 210	box	0	0	0	24.0
Sodium Bicarbonate	25kg sx	0	0	0	48.0
Rig Fuel	m3	0	0	0	561.0
Drill Water	m3	0	0	0	416.0
Potable Water	m3	0	0	0	208.0
Aldacide	25kg/pail	0	0	0	26.0

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		97	80	1200	400										
2	Continental Emsco	6.50		97	80	1200	400										
3	Continental Emsco	6.50		97	80	1200	400										

Personnel On Board

Company	Pax
ADA	8
Maersk	44
OMS	15
GRN	3
Halliburton	2
Dril-Quip	2

Personnel On Board

Halliburton (Baroid)	2
Reach	1
PCS	3
Fugro ROV	6
Halliburton	2
Geoservices	3
Other	4
Total	95

Mud Volumes, Mud Losses and Shale Shaker Data

Engineer : Jay Wan / Kosta Georgiou

Available	1741.3bbl	Losses	374.5bbl	Equipment	Description	Mesh Size	Comments
Active	220.0bbl	Downhole					
Mixing		Surf+ Equip	0.0bbl				
Hole	895.8bbl	Dumped	374.5bbl				
Slug Reserve	515.5bbl	De-Gasser De-Sander					
Kill	110.0bbl	De-Silter Centrifuge					

Marine

Weather on 11 Oct 2009

Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	15kn	100.0deg	1008.0mbar	10C°	1.3m	100.0deg	3s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
317.0deg		16.00klb	1.2m	100.0deg	5s		
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Far Scimitar	19:20 hrs 10/10/09	22:15 hrs 10/10/09	Alongside 27 South Wharf	Item	Unit	Used	Quantity
				Rig Fuel	M3		643
				Potable Water	M3		520
				Drill Water	M3		196
					t		55
				Barite	t		0
				Bentonite	t		42
Far Fosna	08:30 9/10/09		Standby Rig	Brine	M3		190
				Item	Unit	Used	Quantity
				Rig Fuel	M3		413
				Pot Water	M3		490
				Drill Water	M3		590
				Bentonite	t		0
				Barite	t		42
					t		0
				Brine	M3		184