

**DRILLING MORNING REPORT # 23**  
**Trefoil-2**
**23 Oct 2009**

 From: John Mcgarrity/ 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\$554,953
Rig	Kan Tan IV	Days from spud	17.67	Shoe MDBRT	930.0m	Cumul. Cost	US\$18,123,989
Wtr Dpth(MSL)	69.0m	Days on well	22.13	FIT/LOT:	/ 15.15ppg		
RT-ASL(MSL)	26.0m	Planned TD MD	3221.0m	Current Op @ 0600	Fishing Operations.		
RT-ML	95.0m	Planned TD TVDRT	3221.0m	Planned Op	Retrieve 9.625" running tool and seal assembly.		

**Summary of Period 0000 to 2400 Hrs**

Ran 9.625" casing to 2508m.  
 Casing stuck at 2508m.  
 String parted due to heave.  
 Conducted derrick survey.  
 POOH with landing string.  
 Prepared to slip and cut drill line.

**HSE Summary**

Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill	1	6 Days	Held abandon drill	
Fire Drill	1	11 Days	Main deck - Fire in rubbish container	
Permit To Work	26	0 Days	Permits administered	
Pre-tour Meeting	2	0 Days	Shift change meetings	
Safety Meeting	2	5 Days	Held 2 x General Safety Meeting	
STOP Card	38	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 23 Oct 2009**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P13	P	G9	0000	1230	12.50	2520.0m	Ran 9.625" casing from 830m to 2417m. Filled pipe every 5 joints with mud.
P13	P	G1	1230	1300	0.50	2520.0m	Rigged down and laid out 9.625" 500 ton casing elevators and fill up tool
P13	P	G9	1300	1330	0.50	2520.0m	Picked up 9.625" casing hanger assembly and made up same.
P13	P	G1	1330	1400	0.50	2520.0m	Rigged down 9.625" casing flush mounted slips.
P13	P	G9	1400	1430	0.50	2520.0m	RIH with 9.625" casing hanger and landing string to 2480m. Casing stood up with 20 - 35 kips.
P13	P	G9	1430	1800	3.50	2520.0m	Engaged TDS and washed down from 2480m to 2508m. Pumped 70 bbls hi-vis pill and circulated out of hole.
P13	TP (WB)	G9	1800	1930	1.50	2520.0m	Casing stuck at 2508m. Attempted to work free - no progress. Set slips and closed compensator.
P13	TP (WB)	G23	1930	2230	3.00	2520.0m	String parted due to heave. Conducted derrick survey.
P13	TP (WB)	G8	2230	2330	1.00	2520.0m	Pulled out of hole with landing string. Laid out pup joint, 1 x single HWDP and parted single (9.185m)
P13	P	G23	2330	2400	0.50	2520.0m	Held JSA prior to slip and cut drill line.

**Operations For Period 0000 Hrs to 0600 Hrs on 24 Oct 2009**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P13	P	G1	0000	0130	1.50	2520.0m	Slipped and cut drill line.
P13	P	G4	0130	0230	1.00	2520.0m	Moved used HWDP from running string to port side of derrick.
P13	TP (WB)	G18	0230	0430	2.00	2520.0m	Made up Drill-Quip MPT and RIH and tagged top of fish at 81.5mRT with 5k. POOH and laid out MPT.
P13	TP (WB)	G18	0430	0600	1.50	2520.0m	(IN PROGRESS) Made up 8 3/8" overshot, dressed with 6 5/8" spiral grapple and RIH. Attempted to engage fish. No success. POOH.

**Operations For Period Hrs to Hrs on**
**Phase Data to 2400hrs, 23 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)	36	22 Oct 2009	23 Oct 2009	531.00	22.125	2520.0m

**General Comments**

00:00 TO 24:00 Hrs ON 23 Oct 2009

Operational Comments	
	Ditch Magnets: 24 hour metal recovery - 0 grams. Total for section - 830.0 grams.

**WBM Data**
**Cost Today US\$ 13791**

Mud Type:	KCl POLYMER	API FL:	3.2cc/30min	Cl:	44500mg/l	Solids(%vol):	4%	Viscosity	57sec/qt
Sample-From:	4	Filter-Cake:	1/32nd"	K+C*1000:	9%	H2O:	93%	PV	14cp
Time:	13:00 hrs	HTHP-FL:	9.0cc/30min	Hard/Ca:	380mg/l	Oil(%):		YP	32lb/100ft²
Weight:	9.45ppg	HTHP-cake:	2/32nd"	MBT:	12	Sand:		Gels 10s	11
Temp:				PM:	0.3	pH:	9	Gels 10m	15
				PF:	0.2	PHPA:	2ppb	Fann 003	11
								Fann 006	13
								Fann 100	31
								Fann 200	36
								Fann 300	46
								Fann 600	60
Comment	Note: Cost is in AUD								

**Bulk Stocks**

Name	Unit	In	Used	Adjust	Balance
Rig Fuel	m3	0	20	0	287.0
Drill Water	m3	34	6	0	562.0
Pot Water	m3	0	25	0	173.0
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	0	21.0
Bentonite	MT	0	0	0	48.2
Caustic Soda	pail	0	0	0	35.0
Lime	sx	0	0	0	4.0
Soda Ash	sx	0	0	0	56.0
Sodium Bicarbonate	25kg sx	0	0	0	39.0
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)	SPP1Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)	
1	Continental	6.50	1.09	97	60	3000	300	2515.0	30	220	150	40	270	200	50	350	250



				Item	Unit	Used	Quantity
				Potable Water	M3		515
				Drill Water	M3		196
					t		55
				Barite	t		0
				Bentonite	t		0
				Brine	M3		165

Far Fosna	06:00 hrs 17/10/09		Standby Rig	Item	Unit	Used	Quantity
				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	09:18 hrs / 09:32 hrs	10 / 13	Crew Change