

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\$600,000
Rig	Kan Tan IV	Days from spud	17.67	Shoe MDBRT	930.0m	Cumul Cost	US\$17,639,601
Wtr Dpth(MSL)	69.0m	Days on well	22.38	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 5/8" running tool and seal assembly.		

Summary of Period 0000 to 2400 Hrs
Ran 9 5/8" casing to 2508m. Casing stuck at 2508m. String parted, secured broken motor on TDS. 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 administerd.	
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 5/8" 500 ton casing elevators and fill up tool
P13	P	G9	1300	1330	0.50	2520.0m	Picked up 9 5/8" casing hanger assembly and made up same.
P13	P	G1	1330	1400	0.50	2520.0m	Rigged down 9 5/8" casing flush mounted slips.
P13	P	G9	1400	1430	0.50	2520.0m	Ran in hole with 9 5/8" 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)	G9	1930	2230	3.00	2520.0m	String parted due to heave. Conducted derrick survey.
P13	TP (WB)	G9	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	G24	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	G24	0000	0130	1.50	2520.0m	Slipped and cut drill line.
P13	P	G24	0130	0230	1.00	2520.0m	Derrick management, moved used HWDP from running string to port side of derrick.
P13	TP (WB)	G18	0230	0430	2.00	2520.0m	Made up Dril-Quip MPT and RIH and tagged top of fish at 81.5mRT, with 5k. Pulled out of hole and laid out MPT.
P13	TP (WB)	G18	0430	0600	1.50	2520.0m	Made up 18 3/8" overshot, dressed with 6 5/8" spiral grapple and RIH.

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)	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)	182.5	15 Oct 2009	22 Oct 2009	501.00	20.875	2520.0m
Production Casing(1)(P13)	36	22 Oct 2009	23 Oct 2009	537.00	22.375	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
Barazan D+	25kg/sx	0	0	0	121.0
Barite	MT	0	0	0	105.7
Baradefoam-W300	can	0	0	0	9.0
Barolift	boxes	0	0	0	21.0
Bentonite	MT	0	0	0	0.0
Caustic Soda	pail	0	0	0	35.0
Con-Det	5 gal/pail	0	0	0	32.0
Dextrid Lte	25kg/sx	0	0	0	193.0
Guar Gum	25kg/sx	0	0	0	100.0
Lime	sx	0	0	0	0.0
Mica	25kg/sx	0	0	0	38.0
Omyacarb 5	25kg/sx	0	0	0	89.0
Pac-LE	25kg/sx	0	0	0	163.0
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

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
Aldacide	25kg/pail	0	0	0	22.0	
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)	SPP1 (psi)	Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	Continental Emsco	6.50	1.09	97	60	3000	300	2515.0	30	220	150	40	270	200	50	350	250
2	Continental Emsco	6.50	1.09	97	60	3000	300	2515.0	30	240	190	40	290	260	50	350	250
3	Continental Emsco	6.50	1.09	97	60	3000	300	2515.0	30	200	150	40	270	200	50	350	260

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
9.63	/	/	
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.

Personnel On Board	
Company	Pax
ADA	7
Maersk	46
GRN	4
OMS	11
Geoservices	4
Halliburton Cementers	2
Halliburton	3
Halliburton (Baroid)	2
Fugro ROV	3
Dril-Quip	2
Swaco	1
PCS	6
Others	1
Total	92

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Mike Lawrance / Kosta Georgiou			
Available	Losses	Equipment	Description	Mesh Size	Comments		
2939.0bbl	0.0bbl	Shaker 1	Brandt VSM 300	20 top/50bottom			
Active 293.0bbl	Downhole	Shaker 2	Brandt VSM 300	20 top/50bottom			
Mixing 0.0bbl	Surf+ Equip	Shaker 3	Brandt VSM 300	20 top/50bottom			
Hole 1290.0bbl	Dumped	Shaker 4	Brandt VSM 300	20 top/50bottom			
Slug 25.0bbl	De-Gasser						
Reserve 1271.0bbl	De-Sander						
Kill 60.0bbl	De-Silting Centrifuge						

Marine

Weather on 23 Oct 2009								Rig Support	
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period	Anchors	Tension (klb)
10.0nm	17kn	234.0deg	1020.0mbar	12C°	1.2m	234.0deg	3s	1	212.0
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments			
317.0deg	240000.00klb	252000.00klb	1.5m	234.0deg	5s				
Comments								2	206.0
								3	204.0
								4	195.0
								5	216.0
								6	201.0
								7	199.0
								8	213.0

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Far Scimitar			On location KT4	Item	Unit	Used	Quantity
				Rig Fuel	M3		504
				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