Australian Drilling Associates Pty Ltd ADA

DRILLING MORNING REPORT # 35

Trefoil-2

04 Nov 2009

From: Bryan Houston / Paul Leathem
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$561,915
Rig	Kan Tan IV	Days from spud	29.67	Shoe MDBRT	930.0m	Cumul. Cost	US$24,904,437
Wtr Dpth(MSL)	69.0m	Days on well	34.13	FIT/LOT:	/ 15.15ppg		
RT-ASL(MSL)	26.0m	Planned TD MD	3221.0m	Current Op @ 0600	Troubleshooting top drive problems.		
RT-ML	95.0m	Planned TD TVDRT	3221.0m	Planned Op	Troubleshooting top drive problems.		

Summary of Period 0000 to 2400 Hrs

RIH 9 5/8" casing patch on landing string.
Worked string and rotated string to the left in an attempt to engage casing patch grapple.
Released casing running tool and POOH. Picked up and made up spear assy and RIH. Engaged grapple and performed overpull to pull casing into casing patch. Picked up to verify casing patch engaged. Not engaged. Repeat same procedures.
Continued to work casing string to get casing patch to engage and to energize the seals. Confirmed casing patch seals energized. POOH casing spear.
RIH with seal assy & set with 3000psi.
Pressure tested BOPs and C&K manifold.

HSE Summary

Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill	1	1 Day	Held abandon drill	
Emergency Drill	1	0 Days	Full Emergency drill performed.	
Fire Drill	1	1 Day	Main deck - Fire in rubbish container	
Permit To Work	12	0 Days	Permits administered	
Pre-tour Meeting	2	0 Days	Shift change meetings	
Safety Meeting	7	0 Days	Prejob safety meetings	
STOP Card	75	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 04 Nov 2009

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P13	TP (WB)	G9	0000	0200	2.00	2520.0m	RIH 9 5/8" casing patch on landing string and landed out in well head. No indication of patch latching into casing string. Worked string and rotated string to the left in an attempt to engage casing patch grapple. Discussed with Smith Services representive and ADA Drilling Supervisor in town the way ahead. Checked all calculations and discussed possible scenarios. Decision made to continue as planned.
P13	TP (WB)	G9	0200	0430	2.50	2520.0m	Released casing running tool and POOH. Racked back running tool in the mast.
P13	TP (WB)	G2	0430	0630	2.00	2520.0m	Picked up and made up spear assy and RIH.
P13	TP (WB)	G9	0630	0830	2.00	2520.0m	Tagged at 158m. Engaged grapple at 160m. Performed overpull to 280klbs to pull casing into casing patch. Slacked off 180klbs and picked up 172klbs. Released spear and picked up to 150m (above patch). Picked up to verify casing patch engaged - not engaged. Repeated same procedures as above in an attempt to engage casing patch.
P13	TP (WO)	P4	0830	0900	0.50	2520.0m	Stopped operation to build up air in compensator bottles.
P13	TP	G9	0900	1200	3.00	2520.0m	Held string in tension @ 450klbs and pressured up to 50psi to confirm casing stump

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
	(WB)						inside casing patch. Continued to work casing string to get casing patch to engage to energize the seals. Confirmed casing patch seals energized by pick up to 115m. Engaged spear with overpull of 40klbs.
P13	TP (WB)	G8	1200	1500	3.00	2520.0m	POOH casing spear. Had problems with top drive and elevators.
P13	P (WB)	G2	1500	1600	1.00	2520.0m	Broke down casing hanger and laid down same.
P13	P (WB)	G12	1600	1900	3.00	2520.0m	Made up hanger seal assy and RIH to top of well head @ 92.5m.
P13	P (WB)	P1	1900	1930	0.50	2520.0m	Set seal assy and pressure tested to 3000/5000psi for 5/10 mins - good test.
P13	P (WB)	P1	1930	2400	4.50	2520.0m	Tested BOPs and C&K manifold (250psi Low / 5000psi high).

Operations For Period 0000 Hrs to 0600 Hrs on 05 Nov 2009

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P13	P	P1	0000	0130	1.50	2520.0m	Continued to test BOPs and C&K manifold (250 psi low/ 5000psi high).
P13	TP (WB)	G8	0130	0300	1.50	2520.0m	Released running tool with 60klbs overpull & POOH.
P13	P	G2	0300	0600	3.00	2520.0m	Broke out and laid down casing spear, cement head and one stand of DC from mast.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 04 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)	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)	324	22 Oct 2009	04 Nov 2009	819.00	34.125	2520.0m

General Comments

00:00 TO 24:00 Hrs ON 04 Nov 2009

WBM Data

Cost Today US$ 490

Mud Type:	KCl POLYMER	API FL:	4.8cc/30min	Cl:	42500mg/l	Solids(%vol):	3%	Viscosity	62sec/qt
Sample-From:	2	Filter-Cake:	1/32nd"	K+C*1000:	9%	H2O:	93%	PV	12cp
Time:	11:00 hrs	HTHP-FL:	10.5cc/30min	Hard/Ca:	400mg/l	Oil(%):		YP	21lb/100ft²
Weight:	9.40ppg	HTHP-cake:	2/32nd"	MBT:	10	Sand:	.3	Gels 10s	11
Temp:				PM:	0.3	pH:	9	Gels 10m	14
				PF:	0.25	PHPA:	2ppb	Fann 003	10
								Fann 006	11
								Fann 100	22
								Fann 200	28
								Fann 300	33
								Fann 600	45
Comment		Note: Cost is in AUD							

BHA # 23F

Weight(Wet)	Length 38.4m	Torque(max)	D.C. (1) Ann Velocity
Wt Below Jar(Wet)	String	Torque(Off.Btm)	D.C. (2) Ann Velocity
	Pick-Up	Torque(On.Btm)	H.W.D.P. Ann Velocity
	Slack-Off		D.P. Ann Velocity
BHA Run Description	Casing spear run to pull casing inside casing patch.		
BHA Run Comment			

Equipment	Length	OD	ID	Serial #	Comment
6 3/4" DC	9.20m	6.75in	2.88in	1188	
Taper Mill	1.21m	8.50in	2.25in	GL0325	
Bit Sub	1.19m	6.88in	2.75in	87	
Spear	1.20m	8.25in	2.75in	311335-02	
X/O	1.11m	8.25in	2.75in	1103	

Equipment	Length	OD	ID	Serial #	Comment
Bumper sub	1.89m	6.50in	2.25in	GK0267	
Jar	3.84m	6.75in	2.75in	15256462034	
6 3/4" DC	9.26m	6.75in	2.88in	1191	
6 3/4" DC	9.47m	6.75in	2.88in	1761	

BHA # 22F

Weight(Wet)	Length 28.7m	Torque(max)	D.C. (1) Ann Velocity
Wt Below Jar(Wet)	String Pick-Up Slack-Off	Torque(Off.Btm) Torque(On.Btm)	D.C. (2) Ann Velocity H.W.D.P. Ann Velocity D.P. Ann Velocity
BHA Run Description	Casing spear run		
BHA Run Comment			

Equipment	Length	OD	ID	Serial #	Comment
Spear	1.20m	8.25in	2.75in	31135-02	
Stab	1.88m	8.00in	2.25in	55215G	
Bumper sub	1.89m	6.25in	2.25in	GK0267	
X/O	1.11m	8.25in	2.75in	1103	
Fishing Jar	3.84m	6.25in	2.75in	15256462034	
6 3/4" DC	18.73m	6.75in	2.88in	1185/1764	

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
Rig Fuel	m3	0	14	0	572.0
Drill Water	m3	0	16	0	604.0
Pot Water	m3	51	24	0	224.0
Brine	m3	0	0	0	71.0
Barite	MT	0	0	0	167.0
Baradefoam-W300	can	0	0	0	9.0
Barolift	boxes	0	0	0	17.0
Bentonite	MT	0	0	0	81.2
Caustic Soda	pail	0	2	0	25.0
Lime	sx	0	0	0	4.0
Soda Ash	sx	0	0	0	37.0
Sodium Bicarbonate	25kg sx	0	0	0	38.0
Shaker Screen 50	Screens	0	0	0	8.0
Citric Acid	Sacks	0	0	0	80.0

Pumps

Pump Data - Last 24 Hrs

No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)
1	Continental Emsco	6.50	1.09	97			
2	Continental Emsco	6.50	1.09	97			
3	Continental Emsco	6.50	1.09	97			

Slow Pump Data

Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1(gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
	30			40			50		
	30			40			50		
	30			40			50		

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.

Personnel On Board

Company	Pax
ADA	5
Maersk	50
GRN	4

Printed on 04 Nov 2009

Personnel On Board

OMS	12
Reach	1
Geoservices	4
Halliburton Cementers	2
Halliburton	3
Halliburton (Baroid)	2
Dril-Quip	1
Fugro ROV	3
Swaco	1
PCS	3
Smith Services	1
Others	3
Origin Energy	2
Total	97

Mud Volumes, Mud Losses and Shale Shaker Data

Engineer : Mike Lawrance / James Munford

Available	**2775.8bbl**	**Losses**	**0.0bbl**
Active	734.2bbl	Downhole	
Mixing	0.0bbl	Surf+ Equip	0.0bbl
Hole	1150.6bbl	Dumped	
Slug		De-Gasser	
Reserve	891.0bbl	De-Sander	
Kill		De-Silter	
		Centrifuge	

Equipment	Description	Mesh Size
Shaker 1	Brandt VSM 300	20 top/50 bottom
Shaker 1	Brandt VSM 300	20 top/50 bottom
Shaker 2	Brandt VSM 300	20 top/50 bottom
Shaker 2	Brandt VSM 300	20 top/50 bottom
Shaker 3	Brandt VSM 300	20 top/50 bottom
Shaker 3	Brandt VSM 300	20 top/50 bottom
Shaker 4	Brandt VSM 300	20 top/50 bottom
Shaker 4	Brandt VSM 300	20 top/50 bottom

Comments

Marine

Weather on 04 Nov 2009

Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	18kn	230.0deg	1019.0mbar	10C°	2.0m	240.0deg	3s

Heave	Pitch	Roll	Rig Dir.	Ris. Tension	VDL	Weather Comments
1.0m	1.3deg	2.6deg	317.0deg	240000.00klb	116684.00klb	

Swell Height	Swell Dir.	Swell Period	Comments
6.0m	250.0deg	5s	

Rig Support

Anchors	Tension (klb)
1	214.0
2	202.0
3	145.0
4	190.0
5	202.0
6	193.0
7	184.0
8	210.0

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status
Far Scimitar		0930 03/10/09	In Melbourne

Bulks

Item	Unit	Used	Quantity
Rig Fuel	M3		658
Potable Water	M3		510
Drill Water	M3		530
	t		0
Barite	t		0
Bentonite	t		0
Brine	M3		165

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status
Far Fosna	0630 hrs 3/10/09		Rig Standby.

Bulks

Item	Unit	Used	Quantity
Rig Fuel	M3		479
Pot Water	M3		540
Drill Water	M3		600
Bentonite	t		42
Barite	t		0
	t		130
Brine	M3		0

0740 - 0815 Cargo operations.

Helicopter Movement

Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	Bristow Helicopters	10.45 / 10.54	10 / 6	Crew Change