

CRC-1

Date :	28 Feb 2007	Well Site Manager :	Kevin Murphy	Rig Manager :	Agus Nugroho
Report Number	14	Drilling Supervisor :	Kevin Murphy / Brian Assels	Drilling Company :	Century Drilling Ltd
Easting	657913	Northing	5733761	Geologist :	Dave Horner

Well Details

Country:	Australia	Current Hole Size:	6.75in	Casing O.D.:	7.625in	Planned TD:	2250.0m
Field:	Otway (Naylor)	Measured Depth:	1889.0m	Casing MD:	512.0m	Last BOP Test:	19 Feb 2007
Rig:	CDL Rig 11	True Vertical Depth:	1889.0m	Casing TVD:	512.0m	FIT/LOT:	/ 13.30ppg
RT - AMSL:	50.00m	24 Hr Progress:	166.0m	TOL MD:		Last LTI:	04 Jan 2006
RT - GL:	5.20m	Days From Spud:	13.54	Liner MD:		LTI Free Days:	280
Datum:	GDA 94	Days On Well:	26.54	Liner TVD:			

Current Ops @ 0600: POOH/RIH on wiper trip.
 Planned Operations: POOH with PDC drillbit. RIH core assembly and cut core #4 in Belfast Mudstone.

Summary of Period 0000 to 2400 Hrs

Drill 6-3/4" hole with WLS to f/ 1723m to 1889m.

HSE Summary

Event (# Of)	Date of last	Days Since	Short Description
Alcohol & drug screening (2)	28 Feb 2007	0 Days	Personnel blow into alcoholizer
Inspection (2)	28 Feb 2007	0 Days	Visually inspect d/line, d/man, brakes, koomey, BOP stack and Koomey pressures.
Permit To Work (2)	28 Feb 2007	0 Days	Diesel gurney within 45m of wellhead.
Pre-Tour Meetings (2)	28 Feb 2007	0 Days	General housekeeping & Correct use of rig tongs

Operations For Period 0000 Hrs to 2400 Hrs on 28 Feb 2007

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH1	P	DA	0000	0900	9.00	1791.0m	Drill 6 3/4" hole f/- 1723m To 1791m.
PH1	P	RS	0900	0930	0.50	1791.0m	Rig service.
PH1	P	DA	0930	1330	4.00	1820.0m	Con't drill 6-3/4" hole f/ 1791m to 1820 m.
PH1	P	SVY	1330	1400	0.50	1820.0m	Circ, f/check and run WLS. Survey depth 1808m. 2 deg @ S5E (uncorrected).
PH1	P	DA	1400	2400	10.00	1889.0m	Con't drill 6-3/4" hole f/ 1820m to 1889 m.

Operations For Period 0000 Hrs to 0600 Hrs on 01 Mar 2007

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH1	P	DA	0000	0200	2.00	1900.0m	Drill 6-3/4" hole f/ 1899m to 1900m.
PH1	P	CMD	0200	0330	1.50	1900.0m	Circ hole clean.
PH1	P	DA	0330	0400	0.50	1900.0m	Flow check, rack kelly, run WLS at 1896m. - misrun.
PH1	P	TO	0400	0600	2.00	1900.0m	MU kelly, pump slug, rack kelly and POOH.

WBM Data							
Daily Chemical Costs: \$ 4317.00				Cost To Date: \$ 36949.00		Engineer : Peter N ARONETZ	
Mud Type:	Water Based	Flowline Temp:	47.1C°	pH:	10	Low Gravity Solids:	5.10%
Description:	KCl / PHPA / POLYMER	Nitrates:	0mg/l	PM:	0.78	High Gravity Solids:	0.00%
Sample From:	Past Shale Shakers	Sulphites:	200mg/l	PF:	0.85	Solids (corrected):	5.10%
Time:	22:05	API FL:	6.5cm³/30min	MF:	4.75	H2O:	94.9%
Weight:	9.15ppg	API Cake:	1/32nd"	Cl:	12500mg/l	Oil:	0.0%
ECD TD:	9.82ppg	PV	15cp	Hard/Ca:	50mg/l	Sand:	.5 %
ECD Shoe:		YP	26lb/100ft²	MBT:	4.50	Barite:	0.00lb/bbl
Viscosity	55sec/qt	Fluorescene	5.150ppm	KCl Equiv:	2.2%	CaCO3 Added:	15.5ppb
				PHPA Added:	1.33ppb		
				Fluoresceine:			

Comment: Received orders to increase fluid density to ~9.2ppg. Adding 4plts CaCO3 to system. Final WT 9.2-, pills required for trip(s) will add a further 48sx (one pallet).
Because of these additions, de-silter has been shut down.
Fluoresceine content has tapered off to 5.150ppm.

Shakers, Volumes and Losses Data							
Available	873bbl	Losses	121bbl	Equip.	Descr.	Mesh Size	Hours
Active	605bbl	Downhole	35bbl	1	Lin. Motion SHAKER	1 x 84 & 2 x 50	24
Hole	242bbl	Shakers & Equip.	50bbl	2	Lin. Motion SHAKER	1 x 84 & 2 x 50	24
Slug		Dumped	20bbl	3	De-Sander	2 x 8" Cones	12
Reserve	26bbl	Centrifuges		4	De-Silter	12 x 4" Cones	6
		Desander	4bbl				
		De-Silter	12bbl				
Built	160bbl						

Comment: Visual discharge of drilling fluid at surface has decreased, but there were still 160bbbls fluid recycled from the sump to maintain SFC volume.
The conclusion has to be, that downhole losses have increased; although there is the possibility of hole enlargement - or a combination of the two.

Bit Data								
Bit # 2RR2								
Size ("):	6.750	IADC#		Nozzles	Drilled over last 24 hrs	Calculated over Bit Run		
Mfr:	Stealth Tools	WOB(avg)	8.0klb	5 x 12(/32nd")	Progress	166.0m	Cum. Progress	619.0m
Type:	PDC	RPM(avg)	110		On Bottom Hrs	18.00	Cum. On Btm Hrs	53.90
Serial No.:	6972	RPM (DH)(avg)	110		IADC Drill Hrs	24.00	Cum IADC Drill Hrs	73.00
Bit Model	M565	F.Rate	315.0gpm		Total Revs	115400	Cum Total Revs	352400
Depth In	1270.0m	SPP	1250.0psi		OB-ROP(avg)	9.22m/hr	Cum. OB-ROP(avg)	11.48m/hr
Depth Out		TFA	0.552	HSI	HSI			

BHA Data							
BHA # 6							
Weight(Wet)	25.0klb	Length	260.6m	Torque(max)	13000.0ft-lbs	D.C. (1) Ann Velocity	336fpm
Wt Below Jar(Wet)	20.0klb	String	105.0klb	Torque(Off.Btm)	2000.0ft-lbs	D.C. (2) Ann Velocity	0fpm
		Pick-Up	107.0klb	Torque(On.Btm)	9000.0ft-lbs	H.W.D.P. Ann Velocity	232fpm
		Slack-Off	103.0klb	Jar Hours	132.5	D.P. Ann Velocity	232fpm
BHA Run Comment	Units for torque not ft-lbs						

Equipment	Length	OD	ID	Serial #	Hours	Comment
Bit	1 x 0.26m	6.75in		6972	118	Tasman
Near Bit Stab	1 x 1.51m	6.75in	2.43in	5475-1	132.5	
Pony DC	1 x 2.90m	4.75in	2.25in	502-A32	132.5	
String Stabiliser	1 x 1.54m	6.75in	2.06in	5415-2	132.5	
NMDC	1 x 9.19m	4.75in	2.31in		132.5	
4.75" DC	1 x 9.49m	4.75in	2.31in		132.5	
String Stabiliser	1 x 1.54m	6.75in	2.00in	475-3	132.5	
4.75" DC	15 x 9.43m	4.75in	2.31in		132.5	
Drilling Jars	1 x 9.37m	4.75in	2.31in	380-47763-03	132.5	
4 3/4 DC	3 x 9.50m	4.75in	2.31in		132.5	
3 1/2" HWDP	6 x 9.14m	3.50in	2.12in		164	
Total Length:	260.59m					

Survey								
MD (m)	Incl. (deg)	Corr. Az (deg)	TVD (m)	'V' Sect (m)	Dogleg (deg/30m)	N/S (m)	E/W (m)	Tool Type
1467.00	2.00	48.00	1466.8	-6.67	0.21	6.67	15.56	Hofco single shot
1574.00	1.50	156.00	1573.8	-6.64	0.80	6.64	17.52	Hofco single shot
1691.00	2.00	252.00	1690.7	-4.61	0.67	4.61	16.20	Hofco single shot
1808.00	2.00	186.00	1807.7	-1.95	0.56	1.95	14.04	Hofco single shot

Summary	
Company	Pax On
Upstream Petroleum	4
Century Drilling Ltd	26
BHI	2
Corpro Systems Ltd	2
RMN Drilling Fluids	1
Total on Rig	35

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
AMC Biocide G	25L can	0	1	0	9.0	
AMC Defoamer	25L can	0	1	0	15.0	
AMC PAC-R	25kg sack	32	2	0	81.0	
AMC PHPA	25kg sack	60	5	0	58.0	
AUS-BEN	25kg sack	0	0	0	38.0	
AUS-DEX	25kg sack	0	0	0	0.0	
AUS-GEL	25kg sack	0	0	0	168.0	
Baryte	25kg sack	0	0	0	686.0	
CaCl	25kg sack	0	0	0	2.0	
Calcium Carbonate 40µ	25 kg sacks	0	192	0	779.0	
Caustic Soda	25kg pail	0	0	0	36.0	
Citric Acid	25kg sack	0	2	0	34.0	
Cement - Class A	40kg sack	0	0	0	0.0	
Fluoresceine (5 kg)	1 kg	0	0	0	0.0	
Fluoresceine (1 pint)	1 pint	0	0	0	8.0	
Kwik-seal C	40lb sack	0	0	0	30.0	
Kwik-seal F	40lb sack	0	0	0	32.0	
Kwik-seal M	40lb sack	0	0	0	32.0	
Lime	20kg sack	0	0	0	8.0	
KCl	25kg sack	0	8	0	346.0	
Rod-free 205L	205L drum	0	0	0	1.0	
Rod-free 25L	25L can	0	0	0	0.0	
NaCl	25kg sack	0	0	0	0.0	
SAPP	25kg sack	0	0	0	30.0	
Soda Ash	25kg sack	48	4	0	48.0	
Sodium Sulfite	25kg sack	0	2	0	39.0	
Xanthan Gum	25kg sack	0	1	0	33.0	
Xtra-sweep	12lb box	0	0	0	5.0	
Diesel fuel		0	3200	0	12,400.0	

Pumps													
Pump Data - Last 24 Hrs								Slow Pump Data					
No.	Type	Liner (in)	MW (ppg)	Eff (%)	SPM	SPP (psi)	Flow (gpm)	Depth (m)	Ck. Line (psi)	SPM		SPP (psi)	Flow (gpm)
1	GD PZ-7	5.50	9.00	97	75	1250.00	157.00	1888.0		1.	70	460.00	
										2.	100	780.00	
2	GD PZ-7	5.50		97	75					1.			
										2.			
3	GD PZ-7	5.51	9.00	97	0	1250.00	157.00	1888.0		1.	70	460.00	
										2.	100	780.00	