

CRC-1

Date :	04 Mar 2007	Well Site Manager :	Kevin Murphy	Rig Manager :	Agus Nugroho
Report Number	18	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:	2033.0m	Casing MD:	512.0m	Last BOP Test:	19 Feb 2007
Rig:	CDL Rig 11	True Vertical Depth:	2032.5m	Casing TVD:	512.0m	FIT/LOT:	/ 13.30ppg
RT - AMSL:	50.00m	24 Hr Progress:	128.8m	TOL MD:		Last LTI:	04 Jan 2006
RT - GL:	5.20m	Days From Spud:	17.54	Liner MD:		LTI Free Days:	284
Datum:	GDA 94	Days On Well:	30.54	Liner TVD:			

Current Ops @ 0600: Work tight hole at 1966m - 1976m. PU kelly and ream hole.

Planned Operations: Cut core #5 in Flaxmans Formation and Upper Waarre C.

Summary of Period 0000 to 2400 Hrs

Drill 6-3/4" hole f/ 1904.2m to 2033m. POH PDC drill bit. RIH 60 ft core barrel.

HSE Summary

Event (# Of)	Date of last	Days Since	Short Description
Alcohol & drug screening (2)	04 Mar 2007	0 Days	Personnel blow into alcoholizer
Hazard Observation (1)	04 Mar 2007	0 Days	Manrider sheave requires checking for wear - to be inspected at daylight.
Hazard Observation (1)	04 Mar 2007	0 Days	Grease points on crown not taking grease - to be checked for blockage in daylight.
Hazard Observation (1)	04 Mar 2007	0 Days	Section of handrill not installed at back of carrier - reinstalled immed.
Inspection (2)	04 Mar 2007	0 Days	Visually inspect d/line, d/man, brakes, koomey, BOP stack and Koomey pressures.
Permit To Work (1)	04 Mar 2007	0 Days	Rig service, slip line, manrider winch
Pre-Tour Meetings (2)	04 Mar 2007	0 Days	SCDL, correct use of pipe spinner, running coring tools
Weekly Safety Meeting (1)	04 Mar 2007	0 Days	Daylight crew

Operations For Period 0000 Hrs to 2400 Hrs on 04 Mar 2007

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH1	P	TI	0000	0030	0.50	1904.2m	RIH F/- 1857m To 1886m.
PH1	P	RW	0030	0100	0.50	1904.2m	Pick up kelly ,Wash F/- 1886m To 1904.2m . 5.5m soft fill on bottom.
PH1	P	DA	0100	1130	10.50	2033.0m	Drill 6 3/4" Hole F/- 1904.2m To 2033m.
PH1	P	CMD	1130	1230	1.00	2033.0m	Circ Hole Clean.
PH1	P	SVY	1230	1300	0.50	2033.0m	Run wireline survey @2022m 3/4 Deg N75E (Uncorrected).
PH1	P	TO	1300	1930	6.50	2033.0m	Pump slug, f/check, rack kelly, POOH to pick up core barrel. F/check at shoe & BHA.
PH1	P	HBHA	1930	2100	1.50	2033.0m	PU and MU core bit and core barrel.
PH1	P	TI	2100	2330	2.50	2033.0m	RIH coring BHA on DP to 508m.
PH1	P	RS	2330	2400	0.50	2033.0m	Rig Service.

Operations For Period 0000 Hrs to 0600 Hrs on 05 Mar 2007

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH1	TP (RE)	RR	0000	0030	0.50	2033.0m	Rig Repair Crown-o-matic
PH1	P	RS	0030	0100	0.50	2033.0m	Rig Service
PH1	P	SC	0100	0130	0.50	2033.0m	Slip 30' Drill Line
PH1	P	TI	0130	0530	4.00	2033.0m	RIH F/- 508m To 1966m. Pick up kelly to break circ @ 1000m, 1500m & 1700m
PH1	P	WTH	0530	0600	0.50	2033.0m	Work tight hole F/- 1966m to 1976m

WBM Data									
Daily Chemical Costs: \$ 4270.00				Cost To Date: \$ 47831.00				Engineer : Peter N ARONETZ	
Mud Type:	Water Based	Flowline Temp:	44.0C°	pH:	9	Low Gravity Solids:	6.50%	Gels 10s	1
Description:	KCl / PHPA / POLYMER	Nitrates:	0mg/l	PM:	0.15	High Gravity Solids:	0.00%	Gels 10m	2
Sample From:	Past Shale Shakers	Sulphites:	250mg/l	PF:	0.3	Solids (corrected):	6.50%	Fann 003	1
Time:	13:15	API FL:	6.5cm³/30min	MF:	3.2	H2O:	93.5%	Fann 006	2
Weight:	9.50ppg	API Cake:	1/32nd"	Cl:	30000mg/l	Oil:	0.0%	Fann 100	11
ECD TD:	9.72ppg	PV	12cp	Hard/Ca:	100mg/l	Sand:	0.7 %	Fann 200	17
ECD Shoe:		YP	9lb/100ft²	MBT:	5.50	Barite:	0.00lb/bbl	Fann 300	21
Viscosity	43sec/qt	Fluoroscene	5.150ppm	KCl Equiv:	5.8%	CaCO3 Added:	24.2ppb	Fann 600	33
				PHPA Added:	0.93ppb				
				Fluoresceine:	4.350ppm				

Comment: Trying to regain fluid properties, which degraded after use of KCl sweeps. Reduced F/L to 6.5ml, density at 9.5ppg marginally above specified 9.4ppg. Rheology and viscosity at the lower end of spec range F/C content also lower at 4.35ppm. Adding last 4 remaining 1US pt bottles of Fluoresceine to SFC volume (2ppm equiv).

Shakers, Volumes and Losses Data							
Available	857bbl	Losses	83bbl	Equip.	Descr.	Mesh Size	Hours
Active	541bbl	Downhole	26bbl	1	Lin. Motion SHAKER	1 x 84 & 2 x 50	18
Hole	300bbl	Shakers & Equip.	35bbl	2	Lin. Motion SHAKER	1 x 84 & 2 x 50	18
Slug		Dumped	20bbl	3	De-Sander	2 x 8" Cones	14
Reserve	16bbl	Centrifuges		4	De-Silter	12 x 4" Cones	0
		Desander	2bbl				
		De-Silter	0bbl				
Built	40bbl						

Comment: Tank levels recorded with drill string out of hole.

Bit Data												
Bit # 4				Wear	I	O1	D	L	B	G	O2	R
				1	1		NO	A	X	I	NO	CP
Size ("):	6.750	IADC#		Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	Stealth Tools	WOB(avg)	5000.0klb	4 x 12(/32nd")		Progress	128.8m	Cum. Progress		128.8m		
Type:	PDC	RPM(avg)	110			On Bottom Hrs	6.90	Cum. On Btm Hrs		6.90		
Serial No.:	6904	RPM (DH)(avg)	110			IADC Drill Hrs	10.50	Cum IADC Drill Hrs		10.50		
Bit Model	M46H4	F.Rate	250.0gpm			Total Revs	41800	Cum Total Revs		41800		
Depth In	1904.2m	SPP	1200.0psi			OB-ROP(avg)	18.67m/hr	Cum. OB-ROP(avg)		18.67m/hr		
Depth Out	2033.0m	TFA	0.442	HSI	HSI							
Bit Wear Comment	One plugged jet. One minor chip on one PDC face.											
Bit Run Comment	Pulled due to core point #5.											

Bit Data											
Bit # 3RR4											
Size ("):	6.750	IADC#		Nozzles		Drilled over last 24 hrs			Calculated over Bit Run		
Mfr:	Corpro Systems Ltd	WOB(avg)	klb			Progress	0.0m	Cum. Progress		0.0m	
Type:	Core	RPM(avg)				On Bottom Hrs	0.00	Cum. On Btm Hrs		0.00	
Serial No.:	083719	RPM (DH)(avg)				IADC Drill Hrs	0.00	Cum IADC Drill Hrs		0.00	
Bit Model	MCP662	F.Rate	gpm			Total Revs		Cum Total Revs		0	
Depth In	2033.0m	SPP	psi			OB-ROP(avg)		Cum. OB-ROP(avg)		0.00m/hr	
Depth Out		TFA	0	HSI	HSI						
Bit Run Comment	Cut core #5 in Flaxman's Formation/Upper Waarre C										

BHA Data

BHA # 9

Weight(Wet)	25.0klb	Length	260.5m	Torque(max)	7000.0ft-lbs	D.C. (1) Ann Velocity	266fpm
Wt Below Jar(Wet)	20.0klb	String	117.0klb	Torque(Off.Btm)	2000.0ft-lbs	D.C. (2) Ann Velocity	0fpm
		Pick-Up	118.0klb	Torque(On.Btm)	5000.0ft-lbs	H.W.D.P. Ann Velocity	184fpm
		Slack-Off	116.0klb	Jar Hours	163.5	D.P. Ann Velocity	184fpm

BHA Run Comment Units for torque not ft-lbs

Equipment	Length	OD	ID	Serial #	Hours	Comment
Bit	1 x 0.18m	6.75in		6904	10.5	Tasman
Near Bit Stab	1 x 1.51m	6.75in	2.43in	5475-1	135.5	
Pony DC	1 x 2.90m	4.75in	2.25in	502-A32	135.5	
String Stabiliser	1 x 1.54m	6.75in	2.06in	5415-2	135.5	
NMDC	1 x 9.19m	4.75in	2.31in		135.5	
4.75" DC	1 x 9.49m	4.75in	2.31in		163.5	
String Stabiliser	1 x 1.54m	6.75in	2.00in	475-3	135.5	
4.75" DC	15 x 9.43m	4.75in	2.31in		163.5	
Drilling Jars	1 x 9.37m	4.75in	2.31in	380-47763-03	163.5	
4 3/4 DC	3 x 9.50m	4.75in	2.31in		163.5	
3 1/2" HWDP	6 x 9.14m	3.50in	2.12in		183.5	
Total Length:	260.51m					

BHA Data

BHA # 10

Weight(Wet)	20.0klb	Length	272.7m	Torque(max)		D.C. (1) Ann Velocity	0fpm
Wt Below Jar(Wet)	25.0klb	String		Torque(Off.Btm)		D.C. (2) Ann Velocity	0fpm
		Pick-Up		Torque(On.Btm)		H.W.D.P. Ann Velocity	0fpm
		Slack-Off		Jar Hours		D.P. Ann Velocity	0fpm

BHA Run Comment Core #5 in Flaxman's Formation/Upper Waarre C

Equipment	Length	OD	ID	Serial #	Hours	Comment
Core Bit	1 x 0.26m	6.75in	2.56in	083719	12.5	4 x 6.75" fixed stabilizers
Core Barrel	1 x 19.63m	6.75in			12.5	
NMDC	1 x 9.19m	4.75in	2.31in		163.5	
4.75" DC	16 x 9.43m	4.75in	2.88in		163.5	
Drilling Jars	1 x 9.37m	4.75in	2.88in	380-47763-03	163.5	
4.75" DC	3 x 9.50m	4.75in	2.88in		163.5	
3 1/2" HWDP	6 x 9.14m	3.50in	2.31in		195.5	
Total Length:	272.67m					

Survey

MD (m)	Incl. (deg)	Corr. Az (deg)	TVD (m)	'V' Sect (m)	Dogleg (deg/30m)	N/S (m)	E/W (m)	Tool Type
1691.00	2.00	135.00	1690.7	23.00	0.18	-23.00	14.60	Hofco single shot
1808.00	2.00	139.00	1807.6	25.98	0.04	-25.98	17.38	Hofco single shot
1896.00	2.00	137.00	1895.5	28.27	0.02	-28.27	19.44	Hofco single shot
2022.00	0.75	86.00	2021.5	29.82	0.39	-29.82	21.76	Hofco single shot

Summary

Company	Pax On
Upstream Petroleum	4
Century Drilling Ltd	28
BHI	2
Corpro Systems Ltd	2
RMN Drilling Fluids	1
Total on Rig	37

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
AMC Biocide G	25L can	0	0	0	8.0	
AMC Defoamer	25L can	0	0	0	13.0	
AMC PAC-R	25kg sack	0	9	0	71.0	
AMC PHPA	25kg sack	0	2	0	56.0	
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	48	0	495.0	
Caustic Soda	25kg pail	0	0	0	36.0	
Citric Acid	25kg sack	0	0	0	34.0	
Cement - Class A	40kg sack	0	0	0	0.0	
Fluoresceine (5 kg)	5 kg	0	0	0	2.0	
Fluoresceine (1 pint)	1 pint	0	4	0	0.0	
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	78	0	126.0	
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	0	0	0	48.0	
Sodium Sulfite	25kg sack	0	2	0	37.0	
Xanthan Gum	25kg sack	0	1	0	31.0	
Xtra-sweep	12lb box	0	0	0	5.0	
Diesel fuel		0	2300	0	23,200.0	

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	9.50	97	120	1200.00	250.00	1918.0		1.	70	460.00	
										2.	100	820.00	
2	GD PZ-7	5.50	9.50	97						1.			
										2.			
3	GD PZ-7	5.51	9.50	97				1918.0		1.	70	460.00	
										2.	100	820.00	