

**CRC-1**

<b>Date :</b>	03 Mar 2007	<b>Well Site Manager :</b>	Kevin Murphy	<b>Rig Manager :</b>	Agus Nugroho
<b>Report Number</b>	17	<b>Drilling Supervisor :</b>	Kevin Murphy / Brian Assels	<b>Drilling Company :</b>	Century Drilling Ltd
<b>Easting</b>	657913	<b>Northing</b>	5733761	<b>Geologist :</b>	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:	1904.2m	Casing MD:	512.0m	Last BOP Test:	19 Feb 2007
Rig:	CDL Rig 11	True Vertical Depth:	1904.2m	Casing TVD:	512.0m	FIT/LOT:	/ 13.30ppg
RT - AMSL:	50.00m	24 Hr Progress:	3.2m	TOL MD:		Last LTI:	04 Jan 2006
RT - GL:	5.20m	Days From Spud:	16.54	Liner MD:		LTI Free Days:	283
Datum:	GDA 94	Days On Well:	29.54	Liner TVD:			

Current Ops @ 0600: Con't drill 6-3/4" hole at 1976m. Average ROP = 13 m/hr.

Planned Operations: Drill 6-3/4" hole to core point in Flaxmans Formation.

**Summary of Period 0000 to 2400 Hrs**

Continue to cut core #4 in Belfast Mudstone f/ 1901m to 1904.2m - total 4.2m cut. POH and recover 2.65m core (63%). RIH bit #4.

**HSE Summary**

Event (# Of)	Date of last	Days Since	Short Description
Alcohol & drug screening ( 2 )	03 Mar 2007	0 Days	Personnel blow into alcoholizer
BOP Drill ( 1 )	03 Mar 2007	0 Days	Hold drill while RIH - secure in 32 sec.
Hazard Observation ( 1 )	03 Mar 2007	0 Days	Eyewash station outside mechanics shack is empty - to be actioned asap.
Hazard Observation ( 1 )	03 Mar 2007	0 Days	Chain tong requires new jaws - none in stock - TBA
Hazard Observation ( 1 )	03 Mar 2007	0 Days	Pump house cabinet doors hitting fluorescent light - tradesmen to alter - to be actioned.
Hazard Observation ( 1 )	03 Mar 2007	0 Days	Gap between rig floor and doghouse to be repaired - TBA.
Hazard Observation ( 1 )	03 Mar 2007	0 Days	Damaged slings with unreadable service tags removed from service, replaced with new.
Hazard Observation ( 1 )	03 Mar 2007	0 Days	Combustible material near grinder - removed, to be discussed with tradesmen.
Hazard Observation ( 1 )	03 Mar 2007	0 Days	Broken glass shield on bench grinder - TBA
Inspection ( 2 )	03 Mar 2007	0 Days	Visually inspect d/line, d/man, brakes, koomey, BOP stack and Koomey pressures.
Permit To Work ( 1 )	03 Mar 2007	0 Days	Digital camera
Pre-Tour Meetings ( 2 )	03 Mar 2007	0 Days	Monkey board operations for POH.
Weekly Safety Meeting ( 1 )	03 Mar 2007	0 Days	Graveyard crew

**Operations For Period 0000 Hrs to 2400 Hrs on 03 Mar 2007**

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH1	P	COR	0000	0730	7.50	1904.2m	Continue to cut core #4 1901 - 1904.2m. (total 4.2m cut from 1900m). In 1.5 hrs intervals, pump 10 bbl 9.0 ppg 12% KCl mud sweeps to attempt to improve ROP.
PH1	P	COR	0730	0800	0.50	1904.2m	Pull core free. Circ and prepare for POH.
PH1	P	TO	0800	1530	7.50	1904.2m	Pump HW slug, POOH.
PH1	P	COR	1530	1700	1.50	1904.2m	Recover core from 1900m - 1902.65m (2.65m recovered = 63%).
PH1	P	RS	1700	1730	0.50	1904.2m	Rig Service
PH1	P	HBHA	1730	1900	1.50	1904.2m	MU new Bit # 4 and RIH on BHA #9.
PH1	P	TI	1900	2300	4.00	1904.2m	RIH Bit #4 to 1000m, PU kelly and break circ. Con't RIH to 1500m, PU kelly and break circ.
PH1	P	TI	2300	2400	1.00	1904.2m	Con't RIH to 1857m. Hole good.

**Operations For Period 0000 Hrs to 0600 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	0600	5.00	1976.0m	Drill 6 3/4" Hole F/- 1904.2m To 1976m

WBM Data									
Daily Chemical Costs: \$ 3687.00				Cost To Date: \$ 43561.00				Engineer : Peter N ARONETZ	
Mud Type:	Water Based	Flowline Temp:	40.6C°	pH:	9.5	Low Gravity Solids:	5.10%	Gels 10s	1
Description:	KCl / PHPA / POLYMER	Nitrates:	0mg/l	PM:	0.5	High Gravity Solids:	0.00%	Gels 10m	3
Sample From:	Past Shale Shakers	Sulphites:	100mg/l	PF:	0.42	Solids (corrected):	5.10%	Fann 003	2
Time:	07:30	API FL:	9.2cm³/30min	MF:	3.42	H2O:	94.9%	Fann 006	2
Weight:	9.25ppg	API Cake:	2/32nd"	Cl:	18000mg/l	Oil:	0.0%	Fann 100	14
ECD TD:		PV	13cp	Hard/Ca:	80mg/l	Sand:	0.75 %	Fann 200	20
ECD Shoe:		YP	12lb/100ft²	MBT:	5.00	Barite:	0.00lb/bbl	Fann 300	25
Viscosity	46sec/qt	Fluoroscene	5.150ppm	KCl Equiv:	3.9%	CaCO3 Added:	22.6ppb	Fann 600	38
				PHPA Added:	0.86ppb				
				Fluoresceine:	5.775ppm				

**Comment:** Mix+ump further KCl sweeps, the effect of cumulative KCl pills begins to reflect on fluid properties: Lower rheology and density, higher filtrate. Higher KCl content not a problem, as 6% have now been specified.

Conditioned reclaimed fluid in P/Mix tank to spec, add 10ppm F/C, bleed into remaining SFC system for full SFC volume.

Shakers, Volumes and Losses Data							
Available	900bbl	Losses	68bbl	Equip.	Descr.	Mesh Size	Hours
Active	620bbl	Downhole	16bbl	1	Lin. Motion SHAKER	1 x 84 & 2 x 50	12
Hole	244bbl	Shakers & Equip.	25bbl	2	Lin. Motion SHAKER	1 x 84 & 2 x 50	12
Slug		Dumped	25bbl	3	De-Sander	2 x 8" Cones	6
Reserve	36bbl	Centrifuges		4	De-Silter	12 x 4" Cones	0
		Desander	2bbl				
		De-Silter	0bbl				
Built	40bbl						

**Comment:** Mix+ump further KCl sweeps, the effect of cumulative KCl pills begins to reflect on fluid properties: Lower rheology and density, higher filtrate. Higher KCl content not a problem, as 6% have now been specified.

Conditioned reclaimed fluid in P/Mix tank to spec, add 10ppm F/C, bleed into remaining SFC system for full SFC volume.

Bit Data									
<b>Bit # 4</b>									
Size ("):	6.750	IADC#		<b>Nozzles</b>	<b>Drilled over last 24 hrs</b>	<b>Calculated over Bit Run</b>			
Mfr:	Stealth Tools	WOB(avg)	klb	4 x 12/(32nd")	Progress	0.0m	Cum. Progress	0.0m	
Type:	PDC	RPM(avg)			On Bottom Hrs	0.00	Cum. On Btm Hrs	0.00	
Serial No.:	6904	RPM (DH)(avg)			IADC Drill Hrs	0.00	Cum IADC Drill Hrs	0.00	
Bit Model	M46H4	F.Rate	gpm		Total Revs	0	Cum Total Revs	0	
Depth In	1904.2m	SPP	psi		OB-ROP(avg)		Cum. OB-ROP(avg)	0.00m/hr	
Depth Out		TFA	0.442	HSI	HSI				

Bit Data												
<b>Bit # 3RR3</b>												
				Wear	I	O1	D	L	B	G	O2	R
					1	1	PN	A	X	I	NO	PR
Size ("):	6.750	IADC#		<b>Nozzles</b>	<b>Drilled over last 24 hrs</b>		<b>Calculated over Bit Run</b>					
Mfr:	Corpro Systems Ltd	WOB(avg)	10.0klb		Progress	3.2m	Cum. Progress	4.2m				
Type:	Core	RPM(avg)	80		On Bottom Hrs	5.70	Cum. On Btm Hrs	12.20				
Serial No.:	083719	RPM (DH)(avg)	80		IADC Drill Hrs	7.50	Cum IADC Drill Hrs	15.00				
Bit Model	MCP662	F.Rate	150.0gpm		Total Revs	33000	Cum Total Revs	33000				
Depth In	1900.0m	SPP	1050.0psi		OB-ROP(avg)	0.56m/hr	Cum. OB-ROP(avg)	0.34m/hr				
Depth Out	1904.2m	TFA	0	HSI	HSI							
Bit Run Comment	Cut core #4 in Belfast Mudstone. Cut 4.2m, recover 2.65m.											

**BHA Data**

**BHA # 9**

Weight(Wet)	25.0klb	Length	260.5m	Torque(max)		D.C. (1) Ann Velocity	0fpm
Wt Below Jar(Wet)	20.0klb	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	153	D.P. Ann Velocity	0fpm

BHA Run Comment Units for torque not ft-lbs

Equipment	Length	OD	ID	Serial #	Hours	Comment
Bit	1 x 0.18m	6.75in		6904	0	Tasman
Near Bit Stab	1 x 1.51m	6.75in	2.43in	5475-1	125	
Pony DC	1 x 2.90m	4.75in	2.25in	502-A32	125	
String Stabiliser	1 x 1.54m	6.75in	2.06in	5415-2	125	
NMDC	1 x 9.19m	4.75in	2.31in		125	
4.75" DC	1 x 9.49m	4.75in	2.31in		153	
String Stabiliser	1 x 1.54m	6.75in	2.00in	475-3	125	
4.75" DC	15 x 9.43m	4.75in	2.31in		153	
Drilling Jars	1 x 9.37m	4.75in	2.31in	380-47763-03	153	
4 3/4 DC	3 x 9.50m	4.75in	2.31in		153	
3 1/2" HWDP	6 x 9.14m	3.50in	2.12in		166	
Total Length:	260.51m					

**BHA Data**

**BHA # 8**

Weight(Wet)	20.0klb	Length	257.4m	Torque(max)	5000.0ft-lbs	D.C. (1) Ann Velocity	160fpm
Wt Below Jar(Wet)	25.0klb	String	105.0klb	Torque(Off.Btm)	1000.0ft-lbs	D.C. (2) Ann Velocity	0fpm
		Pick-Up	115.0klb	Torque(On.Btm)	5000.0ft-lbs	H.W.D.P. Ann Velocity	94fpm
		Slack-Off	105.0klb	Jar Hours	145.5	D.P. Ann Velocity	110fpm

BHA Run Comment Core #4 in Belfast Mudstone

Equipment	Length	OD	ID	Serial #	Hours	Comment
Core Bit	1 x 0.26m	6.75in	2.56in	083719	12.5	3 x 6.75" fixed stabilizers
Core Barrel	1 x 13.53m	6.75in			12.5	
4.75" DC	16 x 9.43m	4.75in	2.88in		145.5	
Drilling Jars	1 x 9.37m	4.75in	2.88in		145.5	
4.75" DC	3 x 9.50m	4.75in	2.88in		145.5	
3 1/2" HWDP	6 x 9.14m	3.50in	2.31in		177.5	
Total Length:	257.38m					

**Survey**

MD (m)	Incl. (deg)	Corr. Az (deg)	TVD (m)	'V' Sect (m)	Dogleg (deg/30m)	N/S (m)	E/W (m)	Tool Type
1574.00	1.50	151.00	1573.7	20.22	0.15	-20.22	12.41	Hofco single shot
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

**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	1	0	8.0	
AMC Defoamer	25L can	0	1	0	13.0	
AMC PAC-R	25kg sack	0	1	0	80.0	
AMC PHPA	25kg sack	0	0	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	70	0	543.0	
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	4.0	
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	100	0	204.0	
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	0	0	39.0	
Xanthan Gum	25kg sack	0	1	0	32.0	
Xtra-sweep	12lb box	0	0	0	5.0	
Diesel fuel		17810	1410	0	25,500.0	

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	9.40	97						1.			
2	GD PZ-7	5.50	9.40	97						1.			
3	GD PZ-7	5.51	9.40	97	0					1.			
										2.			