

CRC-1

Date :	02 Mar 2007	Well Site Manager :	Kevin Murphy	Rig Manager :	Agus Nugroho
Report Number	16	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:	1901.0m	Casing MD:	512.0m	Last BOP Test:	19 Feb 2007
Rig:	CDL Rig 11	True Vertical Depth:	1901.0m	Casing TVD:	512.0m	FIT/LOT:	/ 13.30ppg
RT - AMSL:	50.00m	24 Hr Progress:	1.0m	TOL MD:		Last LTI:	04 Jan 2006
RT - GL:	5.20m	Days From Spud:	15.54	Liner MD:		LTI Free Days:	282
Datum:	GDA 94	Days On Well:	28.54	Liner TVD:			

Current Ops @ 0600: Cut core #4 at 1903.7m.
 Planned Operations: Continue cut core #4 to 1904m. POH, recover core. RIH with new PDC bit and drill 6-3/4" hole.

Summary of Period 0000 to 2400 Hrs

POH with PDC bit #2RR2. MU core barrel and RIH, washing to bottom as necessary. Cut core #4 in Belfast Mudstone 1900 - 1901m.

HSE Summary

Event (# Of)	Date of last	Days Since	Short Description
Alcohol & drug screening (2)	02 Mar 2007	0 Days	Personnel blow into alcoholizer
Inspection (2)	02 Mar 2007	0 Days	Visually inspect d/line, d/man, brakes, koomey, BOP stack and Koomey pressures.
Permit To Work (1)	02 Mar 2007	0 Days	SCDL, manrider winch
Permit To Work (1)	02 Mar 2007	0 Days	Diesel gurni within 45m of well.
Pre-Tour Meetings (2)	02 Mar 2007	0 Days	Running coring tools SOP

Operations For Period 0000 Hrs to 2400 Hrs on 02 Mar 2007

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH1	P	TO	0000	0230	2.50	1900.0m	Continue POOH f/ 873m to surface
PH1	P	HBHA	0230	0330	1.00	1900.0m	Break and lay out Bit,Stabs, Pony DC and Monel DC
PH1	P	HT	0330	0430	1.00	1900.0m	Make up and space out Core Barrel
PH1	P	TI	0430	0630	2.00	1900.0m	RIH w/- Core Barrel To 491m.
PH1	P	RS	0630	0700	0.50	1900.0m	Rig service.
PH1	P	SC	0700	0800	1.00	1900.0m	Slip and cut drilling line.
PH1	TP (RE)	RR	0800	0830	0.50	1900.0m	Rig Repair: extra cut on drilling line, adjust d-line clamp.
PH1	P	TI	0830	1530	7.00	1900.0m	RIH f/ 491m to 1172m. Wash and ream f/ 1172m - 1250m. RIH f/ 1250m to 1749m. Wash and ream f/ 1749m - 1767m. RIH f/ 1767m to 1880m. PU kelly and wash to bottom. Tag bottom at 1900m.
PH1	P	COR	1530	1730	2.00	1900.0m	Space out core barrel. Set coring parameters.
PH1	P	COR	1730	2400	6.50	1901.0m	Drop ball and commence cut core #4 from 1900 to 1901m. Pump 20 bbl 9.0 ppg 12% KCl mud sweep to improve ROP.

Operations For Period 0000 Hrs to 0600 Hrs on 03 Mar 2007

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH1	P	COR	0000	0600	6.00	1903.7m	Cut core #4 1900 - 1903.7m. In 1.5 hrs intervals, pump 10 bbl 9.0 ppg 12% KCl mud sweeps to attempt to improve ROP.

WBM Data									
Daily Chemical Costs: \$ 2273.00				Cost To Date: \$ 39874.00			Engineer : Peter N ARONETZ		
Mud Type:	Water Based	Flowline Temp:	41.7C°	pH:	9.5	Low Gravity Solids:	7.50%	Gels 10s	4
Description:	KCl / PHPA / POLYMER	Nitrates:	0mg/l	PM:	0.55	High Gravity Solids:	0.00%	Gels 10m	5
Sample From:	Past Shale Shakers	Sulphites:	180mg/l	PF:	0.55	Solids (corrected):	7.50%	Fann 003	4
		API FL:	6.8cm³/30min	MF:	3.85	H2O:	92.5%	Fann 006	6
Time:	23:20	API Cake:	2/32nd"	CI:	11000mg/l	Oil:	0.0%	Fann 100	26
Weight:	9.45ppg	PV	17cp	Hard/Ca:	50mg/l	Sand:	0.75 %	Fann 200	36
ECD TD:	9.92ppg	YP	26lb/100ft²	MBT:	4.00	Barite:	0.00lb/bbl	Fann 300	43
ECD Shoe:		Fluoroscene	5.150ppm	KCl Equiv:	1.4%	CaCO3 Added:	19.9ppb	Fann 600	60
Viscosity	56sec/qt			PHPA Added:	0.92ppb				
				Fluoresceine:	5.550ppm				

Comment: While RIH w/- C/bbl, received orders to raise MW to 9.4ppg. Adding CaCO3 to system. When low coring rates prevail, decision to pump KCl sweeps to flush possible balled bit & increase clay stability while coring. During mixing an extra 40bbls water found their way into the active system. Filled pre-mix tank with fluid reclaimed from sump. Pill tank contains remaining 9ppg(12%) sweep. Jet sizes+nos reported are assumed figures, to give a TFA of 0.796in²

Shakers, Volumes and Losses Data							
Available	929bbl	Losses	47bbl	Equip.	Descr.	Mesh Size	Hours
Active	525bbl	Downhole	12bbl	1	Lin. Motion SHAKER	1 x 84 & 2 x 50	18
Hole	244bbl	Shakers & Equip.	20bbl	2	Lin. Motion SHAKER	1 x 84 & 2 x 50	18
				3	De-Sander	2 x 8" Cones	0
Slug		Dumped	15bbl	4	De-Silter	12 x 4" Cones	0
Reserve	141bbl	Centrifuges					
12% KCl Sweep	19bbl	Desander					
		De-Silter	0bbl				
Built	200bbl						

Comment: While RIH w/- C/bbl, received orders to raise MW to 9.4ppg. Adding CaCO3 to system. When low coring rates prevail, decision to pump KCl sweeps to flush possible balled bit & increase clay stability while coring. During mixing an extra 40bbls water found their way into the active system. Filled pre-mix tank with fluid reclaimed from sump. Pill tank contains remaining 9ppg(12%) sweep.

Bit Data										
Bit # 2RR2		Wear	I	O1	D	L	B	G	O2	R
			2	2	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)	8.0klb	5 x 12(/32nd")		Progress	0.0m	Cum. Progress		630.0m
Type:	PDC	RPM(avg)	110			On Bottom Hrs	0.00	Cum. On Btm Hrs		55.10
Serial No.:	6972	RPM (DH)(avg)	110			IADC Drill Hrs	0.00	Cum IADC Drill Hrs		75.00
Bit Model	M565	F.Rate	315.0gpm			Total Revs		Cum Total Revs		361570
Depth In	1270.0m	SPP	1250.0psi			OB-ROP(avg)		Cum. OB-ROP(avg)		11.43m/hr
Depth Out	1900.0m	TFA	0.552	HSI	HSI					
Bit Wear Comment		Bit in good condition. Gauge OK. One cutter chipped.								

Bit Data											
Bit # 3RR3				Nozzles		Drilled over last 24 hrs			Calculated over Bit Run		
Size ("):	6.750	IADC#					Progress	1.0m	Cum. Progress		1.0m
Mfr:	Corpro Systems Ltd	WOB(avg)	10.0klb			On Bottom Hrs	NaN	Cum. On Btm Hrs		0.00	
Type:	Core	RPM(avg)	80			IADC Drill Hrs	7.50	Cum IADC Drill Hrs		7.50	
Serial No.:	083719	RPM (DH)(avg)	80			Total Revs		Cum Total Revs		0	
Bit Model	MCP662	F.Rate	150.0gpm			OB-ROP(avg)		Cum. OB-ROP(avg)		0.00m/hr	
Depth In	1900.0m	SPP	1050.0psi								
Depth Out		TFA	0	HSI	HSI						
Bit Run Comment		Cut core #4 in Belfast Mudstone									

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	107.0klb	Torque(Off.Btm)	2000.0ft-lbs	D.C. (2) Ann Velocity	0fpm
		Pick-Up	112.0klb	Torque(On.Btm)	9000.0ft-lbs	H.W.D.P. Ann Velocity	232fpm
		Slack-Off	105.0klb	Jar Hours	134.5	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	120		
Near Bit Stab	1 x 1.51m	6.75in	2.43in	5475-1	134.5		
Pony DC	1 x 2.90m	4.75in	2.25in	502-A32	134.5	Tasman	
String Stabiliser	1 x 1.54m	6.75in	2.06in	5415-2	134.5		
NMDC	1 x 9.19m	4.75in	2.31in		134.5		
4.75" DC	1 x 9.49m	4.75in	2.31in		134.5		
String Stabiliser	1 x 1.54m	6.75in	2.00in	475-3	134.5		
4.75" DC	15 x 9.43m	4.75in	2.31in		134.5		
Drilling Jars	1 x 9.37m	4.75in	2.31in	380-47763-03	134.5		
4 3/4 DC	3 x 9.50m	4.75in	2.31in		134.5		
3 1/2" HWDP	6 x 9.14m	3.50in	2.12in		166		
Total Length:	260.59m						

BHA Data							
BHA # 7							
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	0	0	9.0
AMC Defoamer	25L can	0	1	0	14.0
AMC PAC-R	25kg sack	0	0	0	81.0
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	110	0	613.0
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	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	42	0	304.0
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	0	0	33.0
Xtra-sweep	12lb box	0	0	0	5.0
Diesel fuel		0	1300	0	9,100.0

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	120	1050.00	140.00			1.		
3	GD PZ-7	5.51	9.40	97	0					1.		
										2.		