

**CRC-1**

<b>Date :</b>	14 Mar 2007	<b>Well Site Manager :</b>	Kevin Murphy	<b>Rig Manager :</b>	Cesar Miaco
<b>Report Number</b>	28	<b>Drilling Supervisor :</b>	Kevin Murphy / Roy Dunne	<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:	2249.0m	Casing MD:	512.0m	Last BOP Test:	19 Feb 2007
Rig:	CDL Rig 11	True Vertical Depth:	2249.0m	Casing TVD:	512.0m	FIT/LOT:	/ 13.30ppg
RT - AMSL:	50.00m	24 Hr Progress:	0.0m	TOL MD:		Last LTI:	04 Jan 2006
RT - GL:	5.20m	Days From Spud:	27.54	Liner MD:		LTI Free Days:	294
Datum:	GDA 94	Days On Well:	40.54	Liner TVD:			

Current Ops @ 0600: Wait on cement.  
 Planned Operations: WOC for 6 hrs, pull tension and set slips, land casing in 50K tension. R/D cement head. N/D BOP and cut casing. N/U Xmas tree & pressure test. Release rig.

**Summary of Period 0000 to 2400 Hrs**

Continue to RIH with the 4-1/2" Production string. R/U cement head and pump lines. Circulate to lower temp and clean hole. Pre-job TBM and ops briefing. P/T lines, mix cement.

**HSE Summary**

Event (# Of)	Date of last	Days Since	Short Description
Alcohol & drug screening ( 2 )	14 Mar 2007	0 Days	Personnel blow into alcoholizer
Hazard Observation ( 0 )	13 Mar 2007	1 Day	
Inspection ( 2 )	14 Mar 2007	0 Days	Visually inspect d/line, d/man, brakes, koomey, BOP stack and Koomey pressures.
Pre-Tour Meetings ( 2 )	14 Mar 2007	0 Days	Review HSE doc on recent fork lift accident. Reiterate to report all accidents & incidents. Talk on recent number of hand injuries in the industry. Use PPE and plan operations to prevent injuries.

**Operations For Period 0000 Hrs to 2400 Hrs on 14 Mar 2007**

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PC	P	CRN	0000	0600	6.00	2249.0m	M/U 4-1/2" casing string with marker joints and X nipples at depth required, install stabilizers and RIH.
PC	P	CRN	0600	1800	12.00	2249.0m	Continue running 4-1/2" 13Cr80, 12.6 #/ft R3, JFE Casing. Install Marker joints and 4-1/2" X nipples as per down hole diagram. Tag at 2245 FT.
PC	P	CIC	1800	1830	0.50	2249.0m	R/U Schlumberger cement head on 4-1/2" Csg. Rig in Schlumberger pump line.
PC	P	CIC	1830	2100	2.50	2249.0m	Start circulation with rig pump, retune back over shakers. Schlumberger continue R/U.
PC	P	SAF	2100	2130	0.50	2249.0m	Hold pre cementing TBM opps briefing with rig crews and Schlumberger cementers.
PC	P	CIC	2130	2400	2.50	2249.0m	Schlumberger pressure test pump line to 3500 psi and hold for 10 min OK. Start mixing cement.

**Operations For Period 0000 Hrs to 0600 Hrs on 15 Mar 2007**

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PC	P	CMC	0000	0300	3.00	2245.0m	Start cement job. Flush lines, pump 20 bbl of drill water, pump 60 bbl of 11.0 ppg MUDPUSH 11. Drop bottom plug from wellhead. Pump lead cement slurry 12.5 ppg then ( taking samples ). Pump 40 bbls of 15.84 ppg CO2 resistant tail slurry. Release trap plug from cement head. Displace with 111.2 bbl of brine, reduce pump rate for final 10.1 bbls to minimize ECD. Bump plug and pressure to 3000 psi and hold for 10 min. Biked pressure and gain 1 bbl.
PC	P	WOC	0300	0600	3.00	2245.0m	(IN PROGRESS) Wait On Cement. Break pump lines at rig floor. Wash down BOP and empty cellar. R/D PCS tong, L/O remaining 4-1/2" csg, move pipe racks. N/D flow nipple.

WBM Data							
Daily Chemical Costs: \$ 2641.15				Cost To Date: \$ 63289.18		Engineer : Peter N ARONETZ	
Mud Type:	Water Based	Flowline Temp:	33.9C°	pH:	9	Low Gravity Solids:	7.60%
Description:	KCl / PHPA / POLYMER	Nitrates:	0mg/l	PM:	0.08	High Gravity Solids:	0.00%
Sample From:	Past Shale Shakers	Sulphites:	50mg/l	PF:	0.15	Solids (corrected):	7.60%
Time:	19:30	API FL:	5.7cm³/30min	MF:	3.18	H2O:	92.4%
Weight:	9.60ppg	API Cake:	1/32nd"	Cl:	30500mg/l	Oil:	0.0%
ECD TD:	9.69ppg	PV	19cp	Hard/Ca:	80mg/l	Sand:	0.5 %
ECD Shoe:		YP	18lb/100ft²	MBT:	6.50	Barite:	0.00lb/bbl
Viscosity	60sec/qt			KCl Equiv:	5.0%	CaCO3 Added:	25.2ppb
				PHPA Added:	1.36ppb		
				Fluoresceine:			

**Comment:** Supply Calcium Carbonate to SCHLUMBERGER for 11.0ppg spacer. Charge out 10 damaged sx of CaCO3 and 2 damaged sx of Barite.

DFE to be released 15th of March, 0500 hrs.

As this will be the final DF report for this well, RMN DRILLING Fluids and AMC wish to thank you for your business and are looking forward to be called upon, to provide their services for future projects!

Shakers, Volumes and Losses Data							
Available	649bbl	Losses	41bbl	Equip.	Descr.	Mesh Size	Hours
Active	330bbl	Downhole	41bbl	1	Lin. Motion SHAKER	1 x 84 & 2 x 50	6
Hole	299bbl	Shakers & Equip.	0bbl	2	Lin. Motion SHAKER	1 x 84 & 2 x 50	6
Slug		Dumped	0bbl	3	De-Sander	2 x 8" Cones	0
Reserve	20bbl	Centrifuges		4	De-Silter	12 x 4" Cones	0
		Desander					
		De-Silter	0bbl				
Built	0bbl						

**Comment:** Supply Calcium Carbonate to SCHLUMBERGER for 11.0ppg spacer. Charge out 10 damaged sx of CaCO3 and 2 damaged sx of Barite.

Bit Data												
<b>Bit # 4RR1</b>				Wear	I	O1	D	L	B	G	O2	R
				1	1	NO	A	X	I	NO	TD	
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)	10.0klb	4 x 12(/32nd")		Progress	0.0m	Cum. Progress		173.5m		
Type:	PDC	RPM(avg)	110			On Bottom Hrs	0.00	Cum. On Btm Hrs		10.00		
Serial No.:	6904	RPM (DH)(avg)	110			IADC Drill Hrs	0.00	Cum IADC Drill Hrs		14.00		
Bit Model	M46H4	F.Rate	250.0gpm			Total Revs	63500	Cum Total Revs		444500		
Depth In	2075.5m	SPP	1300.0psi			OB-ROP(avg)		Cum. OB-ROP(avg)		17.35m/hr		
Depth Out		TFA	0.442	HSI	HSI							
Bit Run Comment	TD POOH TO Log											

BHA Data							
<b>BHA # 12</b>							
Weight(Wet)	25.0klb	Length	260.5m	Torque(max)	15000.0ft-lbs	D.C. (1) Ann Velocity	266fpm
Wt Below Jar(Wet)	20.0klb	String	120.0klb	Torque(Off.Btm)	4000.0ft-lbs	D.C. (2) Ann Velocity	0fpm
		Pick-Up	121.0klb	Torque(On.Btm)	10000.0ft-lbs	H.W.D.P. Ann Velocity	184fpm
		Slack-Off	116.0klb	Jar Hours	209.5	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	24.5	Tasman
Near Bit Stab	1 x 1.51m	6.75in	2.43in	5475-1	161.5	
Pony DC	1 x 2.90m	4.75in	2.25in	502-A32	161.5	
String Stabiliser	1 x 1.54m	6.75in	2.06in	5415-2	161.5	
NMDC	1 x 9.19m	4.75in	2.31in		161.5	
4.75" DC	1 x 9.49m	4.75in	2.31in		209.5	
String Stabiliser	1 x 1.54m	6.75in	2.00in	475-3	161.5	
4.75" DC	15 x 9.43m	4.75in	2.31in		209.5	
Drilling Jars	1 x 9.37m	4.75in	2.31in	380-47763-03	209.5	
4 3/4 DC	3 x 9.50m	4.75in	2.31in		209.5	
3 1/2" HWDP	6 x 9.14m	3.50in	2.12in		241.5	
<b>Total Length:</b>	<b>260.51m</b>					

Survey								
MD (m)	Incl. (deg)	Corr. Az (deg)	TVD (m)	'V' Sect (m)	Dogleg (deg/30m)	N/S (m)	E/W (m)	Tool Type
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
2236.00	1.00	266.00	2235.5	29.85	0.24	-29.85	21.29	Hofco single shot

Summary	
Company	Pax On
Upstream Petroleum	3
Century Drilling Ltd	22
BHI	2
Schlumberger Oilfield Australia	5
RMN Drilling Fluids	1
Wood Group	1
Premium Casing Services Pty Ltd	2
<b>Total on Rig</b>	<b>36</b>

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
AMC Biocide G	25L can	0	0	0	2.0	
AMC Defoamer	25L can	0	0	0	14.0	
AMC PAC-R	25kg sack	0	0	0	66.0	
AMC PHPA	25kg sack	0	0	0	42.0	
AUS-BEN	25kg sack	0	0	0	34.0	
AUS-DEX	25kg sack	0	0	0	0.0	
AUS-GEL	25kg sack	0	0	0	168.0	
Baryte	25kg sack	0	2	0	684.0	
CaCl	25kg sack	0	0	0	2.0	
Calcium Carbonate 40µ	25 kg sacks	0	225	0	596.0	
Caustic Soda	25kg pail	0	0	0	32.0	
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	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	0	0	336.0	
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	44.0	
Sodium Sulfite	25kg sack	0	0	0	34.0	
Xanthan Gum	25kg sack	0	0	0	20.0	
Xtra-sweep	12lb box	0	0	0	3.0	
Liqui-Sperse	25L can	0	0	0	32.0	
Diesel fuel		0	1300	0	8,200.0	

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	9.40	97	120	1300.00	250.00	2083.0		1.	70	500.00	
										2.	100	740.00	
2	GD PZ-7	5.50	9.50	97						1.			
										2.			
3	GD PZ-7	5.51	9.50	97				2083.0		1.	70	500.00	
										2.	100	700.00	