

CRC-1

Date :	21 Feb 2007	Well Site Manager :	Kevin Murphy	Rig Manager :	Agus Nugroho
Report Number	7	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.:	7.630in	Planned TD:	2250.0m
Field:	Otway (Naylor)	Measured Depth:	915.0m	Casing MD:	512.0m	Last BOP Test:	-
Rig:	CDL Rig 11	True Vertical Depth:	915.0m	Casing TVD:	512.0m	FIT/LOT:	/ 13.30ppg
RT - AMSL:	50.00m	24 Hr Progress:	170.0m	TOL MD:		Last LTI:	04 Jan 2006
RT - GL:	5.20m	Days From Spud:	6.54	Liner MD:		LTI Free Days:	273
Datum:	GDA 94	Days On Well:	19.54	Liner TVD:			

Current Ops @ 0600: POOH with core barrel.
 Planned Operations: RIH w/ 6-3/4" bit RR #2. Drill 6-3/4" hole to core point #2.

Summary of Period 0000 to 2400 Hrs

Drill 6-3/4" hole f/ 745m to 915m. Circ BH sample, drop survey, POOH. RIH core barrel assembly.

HSE Summary

Event (# Of)	Date of last	Days Since	Short Description
Alcohol & drug screening (2)	21 Feb 2007	0 Days	Personnel blow into alcoholizer
Pre-Job Meetings (1)	21 Feb 2007	0 Days	Hold PJSM prior to coring.
Pre-Tour Meetings (2)	21 Feb 2007	0 Days	General Housekeeping & Prepare rig floor for tripping

Operations For Period 0000 Hrs to 2400 Hrs on 21 Feb 2007

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH1	P	DA	0000	1100	11.00	915.0m	Drill 6-3/4" hole 745m to 915m.
PH1	P	CS	1100	1200	1.00	915.0m	Geologist call core point. Circ BH sample.
PH1	P	SVY	1200	1300	1.00	915.0m	Flow check. Rack kelly and run WLS.
PH1	P	TO	1300	1630	3.50	915.0m	Pump slug, rack kelly and POOH.
PH1	P	HBHA	1630	1700	0.50	915.0m	LO 6-3/4" stabilizers, pony DC, NBS & 6-3/4" bit.
PH1	P	DA	1700	1900	2.00	915.0m	Hold pre-job safety meeting. PU core barrel.
PH1	P	TI	1900	2200	3.00	915.0m	MU and RIH coring BHA.
PH1	P	RW	2200	2400	2.00	915.0m	Tag obstruction. Wash/light ream f/ 825m to 854m.

Operations For Period 0000 Hrs to 0600 Hrs on 22 Feb 2007

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH1	P	RW	0000	0130	1.50	915.0m	Con't wash/light ream f/ 854m to 915m.
PH1	P	COR	0130	0200	0.50	915.0m	Space out to core. Drop ball. Observe 250 psi pressure incr when ball landed.
PH1	P	COR	0200	0330	1.50	918.5m	Cit core #1 in Pember Mudstone f/ 915m to 918.5m. Cut total of 3.5m core, with circ pressures incr by 200 psi after 2 m cut. Initial ROP 6 m/hr for first 2 m, then dropping to 1 m/hr with corresponding incr in pressure. PU off bottom - no overpull.
PH1	P	PS	0330	0400	0.50	918.5m	Mix slug, f/check, pump slug an rack kelly.
PH1	P	TO	0400	0600	2.00	918.5m	POOH.

WBM Data							
Daily Chemical Costs: \$ 4188				Cost To Date: \$ 18825		Engineer : Peter N ARONETZ	
Mud Type:	Water Based	Flowline Temp:	32.6C°	Cl:	10000mg/l	Low Gravity Solids:	1.1
Description:	KCl / PHPA / POLYMER	Nitrates:	0mg/l	Hard/Ca:	120mg/l	High Gravity Solids:	0
Sample From:	Past Shale Shakers	Sulphites:	200mg/l	MBT:	1.5	Solids (corrected):	1.1
Time:	12:00	API FL:	12.8cm³/30min	PM:	0.44	H2O:	98.9%
Weight:	8.60ppg	API Cake:	1/32nd"	PF:	0.35	Oil:	0.0%
ECD TD:	8.89ppg	PV	9cp	MF:	1.55	Sand:	0.8 %
ECD Shoe:		YP	13lb/100ft²	pH:	10.2	Barite:	0
Viscosity	52sec/qt	Fluoroscene	4ppm	PHPA Added:	0.5ppb	CaCO3 Added:	1.1ppb
KCl Equiv:	2.2%						

Comment: Experience difficulties with blinding of shaker screens with sand grains.
 Change back to 84-mesh acreens, same problem, change to 50-mesh screens.
 Prepare 500bbls new volume, partially to make up for run-off @ shakers.
 Prepare heavy pill, using CaCO3.

Shakers, Volumes and Losses Data							
Available	603bbl	Losses	435bbl	Equip.	Descr.	Mesh Size	Hours
Active	488bbl	Downhole	0bbl	1	Lin. Motion SHAKER	3 x 84	18
Hole	115bbl	Shakers & Equip.	284bbl	2	Lin. Motion SHAKER	3 x 84	18
Slug		Dumped	15bbl	3	De-Sander	2 x 8" Cones	12
Reserve	0bbl	Centrifuges		4	De-Silter	12 x 4" Cones	12
		Desander	68bbl				
		De-Silter	68bbl				
Built	500bbl						

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Bit Data											
Bit # 2			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)	4.0klb	5 x 12(/32nd")			Progress	170.0m	Cum. Progress		399.0m
Type:	PDC	RPM(avg)	110				On Bottom Hrs	6.30	Cum. On Btm Hrs		14.90
Serial No.:	6972	RPM (DH)(avg)	110				IADC Drill Hrs	11.00	Cum IADC Drill Hrs		25.00
Bit Model	M56S	F.Rate	250.0gpm				Total Revs	33142	Cum Total Revs		72132
Depth In	516.0m	SPP	450.0psi				OB-ROP(avg)	26.98m/hr	Cum. OB-ROP(avg)		26.78m/hr
Depth Out	915.0m	TFA	0.552	HSI	HSI						

Bit Data											
Bit # 3			Wear	I	O1	D	L	B	G	O2	R
Size ("):	6.750	IADC#	Nozzles			Drilled over last 24 hrs			Calculated over Bit Run		
Mfr:		WOB(avg)	klb				Progress	0.0m	Cum. Progress		0.0m
Type:		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	0	Cum Total Revs		0
Depth In	915.0m	SPP	psi				OB-ROP(avg)		Cum. OB-ROP(avg)		0.00m/hr
Depth Out		TFA	0	HSI	HSI						

BHA Data

BHA # 3

Weight(Wet)	25.0klb	Length	269.5m	Torque(max)	D.C. (1) Ann Velocity
Wt Below Jar(Wet)	20.0klb	String		Torque(Off.Btm)	D.C. (2) Ann Velocity
		Pick-Up		Torque(On.Btm)	H.W.D.P. Ann Velocity
		Slack-Off		Jar Hours	D.P. Ann Velocity

BHA Run Comment Core #1 in Pember Mudstone

Equipment	Length	OD	ID	Serial #	Hours	Comment
Core Bit	1 x 0.26m	6.75in	2.75in	083719		
Core Barrel	1 x 13.53m	4.75in	2.75in			
Pony DC	1 x 2.90m	4.75in	2.25in	502-A32		
NMDC	1 x 9.19m	4.75in	2.31in	471-1		
4.75" DC	16 x 9.43m	4.75in	2.31in			
Drilling Jars	1 x 9.37m	4.75in	2.31in	380-4773-03		
4.75" DC	3 x 9.50m	4.75in	2.31in			
3 1/2" HWDP	6 x 9.14m	3.50in	2.12in			
Total Length:	269.47m					

Survey

MD (m)	Incl. (deg)	Corr. Az (deg)	TVD (m)	'V' Sect (m)	Dogleg (deg/30m)	N/S (m)	E/W (m)	Tool Type
131.00	0.25							Single shot
312.00	0.50							Single shot
506.00	1.00							Single shot
908.00	1.00	31.00	907.9	10.52	0.04	10.52	1.81	Hofco single shot

Summary

Company	Pax On
Upstream Petroleum	4
Century Drilling Ltd	26
BHI	2
Corpro Systems Ltd	1
RMN Drilling Fluids	1
Total on Rig	34

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
AMC Biocide G	25L can	0	0	0	12.0	
AMC Defoamer	25L can	0	0	0	12.0	
AMC PAC-R	25kg sack	0	8	0	64.0	
AMC PHPA	25kg sack	0	8	0	30.0	
AUS-BEN	25kg sack	0	0	0	32.0	
AUS-DEX	25kg sack	0	0	0	0.0	
AUS-GEL	25kg sack	0	0	0	171.0	
Baryte	25kg sack	0	0	0	686.0	
CaCl	25kg sack	0	0	0	2.0	
Caustic Soda	25kg pail	0	1	0	36.0	
Citric Acid	25kg sack	0	0	0	37.0	
Cement - Class A	40kg sack	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	10.0	
KCl	25kg sack	0	50	0	250.0	
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	4	0	34.0	
Sodium Sulfite	25kg sack	0	4	0	50.0	
Xanthan Gum	25kg sack	0	1	0	45.0	
Xtra-sweep	12lb box	0	0	0	5.0	
Diesel fuel		0	2000	0	11,200.0	
Calcium Carbonate 40µ	25 kg sacks	0	24	0	330.0	

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	8.80	97	120	450.00	250.00	915.0		1.	80	280.00	
										2.	100	390.00	
2	GD PZ-7	5.50	8.80	97	0			915.0		1.	80	270.00	
										2.	100	390.00	
3	GD PZ-7	5.51		97	0					1.			
										2.			