

CRC-1

Date :	22 Feb 2007	Well Site Manager :	Kevin Murphy	Rig Manager :	Agus Nugroho
Report Number	8	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:	1109.0m	Casing MD:	512.0m	Last BOP Test:	19 Feb 2007
Rig:	CDL Rig 11	True Vertical Depth:	1109.0m	Casing TVD:	512.0m	FIT/LOT:	/ 13.30ppg
RT - AMSL:	50.00m	24 Hr Progress:	193.5m	TOL MD:		Last LTI:	04 Jan 2006
RT - GL:	5.20m	Days From Spud:	7.54	Liner MD:		LTI Free Days:	274
Datum:	GDA 94	Days On Well:	20.54	Liner TVD:			

Current Ops @ 0600: Drill 6-3/4" hole to 1170m.
 Planned Operations: Cut core #2 in Paaratte Fm. Recover core, drill ahead.

Summary of Period 0000 to 2400 Hrs

Wash/ream to bottom. Cut core #1 in Pember Mudstone 915 - 918.5m. Core barrel jammed after 3.5m cut. POH and recover 2.1m core. RIH with RR #2 PDC drill bit and drill 6-3/4" hole 918.5 - 1109m.

HSE Summary

Event (# Of)	Date of last	Days Since	Short Description
Alcohol & drug screening (2)	22 Feb 2007	0 Days	Personnel blow into alcoholizer
Hazard Observation (2)	22 Feb 2007	0 Days	Metal stake in path of geronimo line & tie wraps around handrails could cut hands - both resolved.
Permit To Work (3)	22 Feb 2007	0 Days	Various.
Pre-Tour Meetings (2)	22 Feb 2007	0 Days	Running coring tools

Operations For Period 0000 Hrs to 2400 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	Cut 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 and rack kelly.
PH1	P	TO	0400	0800	4.00	918.5m	POOH.
PH1	P	COR	0800	0900	1.00	918.5m	Break down core barrel and recover 2.1m of core. Rack core barrel. Inspect core head - ok (4 of 6 jets plugged).
PH1	P	TI	0900	1130	2.50	918.5m	PU & MU Bit #2RR and RIH on BHA #2.
PH1	P	SVY	1130	1200	0.50	918.5m	With bit at 603m, conduct WLS - 1/4 deg S79E uncorr
PH1	P	TI	1200	1230	0.50	918.5m	Con't RIH f/ 610m to 893m.
PH1	P	RW	1230	1300	0.50	918.5m	Wash/ream f/ 893m to 918.5m.
PH1	P	TO	1300	2330	10.50	1109.0m	Drill 6-3/4" hole f/ 918.5m to 1109m.
PH1	P	SVY	2330	2400	0.50	1109.0m	Circulate, SCR, f/check and conduct WLS - misrun

Operations For Period 0000 Hrs to 0600 Hrs on 23 Feb 2007

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
PH1	P	DA	0000	0100	1.00	1119.0m	Drill 6-3/4" hole f/ 1109m - 1119m.
PH1	P	SVY	0100	0130	0.50	1119.0m	Circ and WLS @ 1107m - misrun.
PH1	P	DA	0130	0300	1.50	1138.0m	Drill 6-3/4" hole f/ 1119m - 1138m.
PH1	P	SVY	0300	0330	0.50	1138.0m	Circ and WLS @ 1126m - misrun.
PH1	P	DA	0330	0600	2.50	1170.0m	Drill 6-3/4" hole f/ 1138m - 1170m.

WBM Data									
Daily Chemical Costs: \$ 2525				Cost To Date: \$ 21350			Engineer : Peter N ARONETZ		
Mud Type:	Water Based	Flowline Temp:	37.1C°	Cl:	11800mg/l	Low Gravity Solids:	3.8	Gels 10s	3
Description:	KCl / PHPA / POLYMER	Nitrates:	0mg/l	Hard/Ca:	140mg/l	High Gravity Solids:	0	Gels 10m	3
Sample From:	Past Shale Shakers	Sulphites:	250mg/l	MBT:	2.5	Solids (corrected):	3.8	Fann 003	3
		API FL:	8.5cm³/30min	PM:	1.05	H2O:	96.2%	Fann 006	4
Time:	22:30	API Cake:	1/32nd"	PF:	0.58	Oil:	0.0%	Fann 100	16
Weight:	8.95ppg	PV	12cp	MF:	2.8	Sand:	1.5 %	Fann 200	23
ECD TD:	9.36ppg	YP	16lb/100ft²	pH:	11	Barite:	0	Fann 300	28
ECD Shoe:		Fluoroscene	4.000ppm	PHPA Added:	0.70ppb	CaCO3 Added:	2.4ppb	Fann 600	40
Viscosity	53sec/qt								
KCl Equiv:	2.0%								

Comment: Continue operating with 50-mesh screens on both shakers. Instructions to maintain KCl concentration at its present level, i.e.~2%
 Building PHPA concentration, Fluid-loss now at specified level.
 pH higher than required, of account of recycled fluid having a high pH.
 Soda Ash treatment to reduce high calcium intake from same source.

Instructions received to increase Fluoresceine concentration to 10ppm - as tested. Although 300g dye had been added, impact on concentration not immediately apparent.

Shakers, Volumes and Losses Data							
Available	657bbl	Losses	197bbl	Equip.	Descr.	Mesh Size	Hours
Active	516bbl	Downhole	0bbl	1	Lin. Motion SHAKER	3 x 50	20
Hole	141bbl	Shakers & Equip.	105bbl	2	Lin. Motion SHAKER	3 x 50	20
				3	De-Sander	2 x 8" Cones	18
Slug		Dumped	0bbl	4	De-Silter	12 x 4" Cones	18
Reserve	0bbl	Centrifuges					
		Desander	51bbl				
		De-Silter	41bbl				
Built	250bbl						

Comment: None

Bit Data										
Bit # 3NB		Wear	I	O1	D	L	B	G	O2	R
		0	0	0	NO	A	X	I	NO	HP
Size ("):	6.750	IADC#	Core	Nozzles		Drilled over last 24 hrs		Calculated over Bit Run		
Mfr:		WOB(avg)	5.0klb	5 x 12(/32nd")		Progress	3.5m	Cum. Progress	3.5m	
Type:	PDC	RPM(avg)	80			On Bottom Hrs	1.20	Cum. On Btm Hrs	1.20	
Serial No.:	083719	RPM (DH)(avg)	80			IADC Drill Hrs	1.50	Cum IADC Drill Hrs	1.50	
Bit Model	MCP662	F.Rate	250.0gpm			Total Revs	6384	Cum Total Revs	6384	
Depth In	915.0m	SPP	550.0psi			OB-ROP(avg)	2.92m/hr	Cum. OB-ROP(avg)	2.92m/hr	
Depth Out	918.5m	TFA	0	HSI	HSI					
Bit Run Comment		Core bit - jammed after cutting 3.5m. Recover 2.1m core. 4 of 6 jets plugged. Corehead - as new.								

Bit Data										
Bit # 2RR1		Wear	I	O1	D	L	B	G	O2	R
		0	0	0	NO	A	X	I	NO	HP
Size ("):	6.750	IADC#	Core	Nozzles		Drilled over last 24 hrs		Calculated over Bit Run		
Mfr:	Stealth Tools	WOB(avg)	5.0klb	5 x 12(/32nd")		Progress	190.0m	Cum. Progress	190.0m	
Type:	PDC	RPM(avg)	120			On Bottom Hrs	6.20	Cum. On Btm Hrs	6.20	
Serial No.:	6972	RPM (DH)(avg)	120			IADC Drill Hrs	10.50	Cum IADC Drill Hrs	10.50	
Bit Model	M565	F.Rate	250.0gpm			Total Revs	41938	Cum Total Revs	41938	
Depth In	918.5m	SPP	550.0psi			OB-ROP(avg)	30.65m/hr	Cum. OB-ROP(avg)	30.65m/hr	
Depth Out		TFA	0.552	HSI	HSI					
Bit Run Comment		RR RIH after Core #1.								

BHA Data							
BHA # 3							
Weight(Wet)	25.0klb	Length	269.5m	Torque(max)	5000.0ft-lbs	D.C. (1) Ann Velocity	266fpm
Wt Below Jar(Wet)	20.0klb	String	76.0klb	Torque(Off.Btm)	2000.0ft-lbs	D.C. (2) Ann Velocity	0fpm
		Pick-Up	78.0klb	Torque(On.Btm)	3000.0ft-lbs	H.W.D.P. Ann Velocity	184fpm
		Slack-Off	78.0klb	Jar Hours	1.5	D.P. Ann Velocity	184fpm
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	1.5	6-3/4 stabs at btm, mid , top	
Core Barrel	1 x 13.53m	4.75in	2.75in		1.5		
Pony DC	1 x 2.90m	4.75in	2.25in	502-A32	27.5		
NMDC	1 x 9.19m	4.75in	2.31in	471-1	27.5		
4.75" DC	16 x 9.43m	4.75in	2.31in		27.5		
Drilling Jars	1 x 9.37m	4.75in	2.31in	380-4773-03	27.5		
4.75" DC	3 x 9.50m	4.75in	2.31in		27.5		
3 1/2" HWDP	6 x 9.14m	3.50in	2.12in		60		
Total Length:	269.47m						

BHA Data							
BHA # 4							
Weight(Wet)	25.0klb	Length	260.6m	Torque(max)	5000.0ft-lbs	D.C. (1) Ann Velocity	266fpm
Wt Below Jar(Wet)	20.0klb	String	78.0klb	Torque(Off.Btm)	2000.0ft-lbs	D.C. (2) Ann Velocity	0fpm
		Pick-Up	78.0klb	Torque(On.Btm)	3000.0ft-lbs	H.W.D.P. Ann Velocity	184fpm
		Slack-Off	76.0klb	Jar Hours	38	D.P. Ann Velocity	184fpm

Equipment	Length	OD	ID	Serial #	Hours	Comment
Bit	1 x 0.26m	6.75in		6972	35.5	
Near Bit Stab	1 x 1.51m	6.75in	2.43in	5475-1		
Pony DC	1 x 2.90m	4.75in	2.25in	502-A32	38	
String Stabiliser	1 x 1.54m	6.75in	2.06in	5415-2		
NMDC	1 x 9.19m	4.75in	2.31in		38	
4.75" DC	1 x 9.49m	4.75in	2.31in		38	
String Stabiliser	1 x 1.54m	6.75in	2.00in	475-3		
4.75" DC	15 x 9.43m	4.75in	2.31in		38	
Drilling Jars	1 x 9.37m	4.75in	2.31in	380-47763-03	38	
4 3/4 DC	3 x 9.50m	4.75in	2.31in		38	
3 1/2" HWDP	6 x 9.14m	3.50in	2.12in		70.5	
Total Length:	260.59m					

Survey								
MD (m)	Incl. (deg)	Corr. Az (deg)	TVD (m)	'V' Sect (m)	Dogleg (deg/30m)	N/S (m)	E/W (m)	Tool Type
506.00	1.00	112.00	506.0	1.50	0.08	-1.50	3.72	Single shot
603.00	0.25	112.00	603.0	1.90	0.23	-1.90	4.70	Hofco single shot
908.00	1.00	42.00	908.0	0.17	0.09	-0.17	7.10	Hofco single shot
1165.00	1.00	127.00	1164.9	-0.15	0.16	0.15	10.39	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	3	0	61.0	
AMC PHPA	25kg sack	0	4	0	26.0	
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	0	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	20	0	230.0	
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	30.0	
Sodium Sulfite	25kg sack	0	2	0	48.0	
Xanthan Gum	25kg sack	0	2	0	43.0	
Xtra-sweep	12lb box	0	0	0	5.0	
Diesel fuel		15700	1100	0	25,800.0	
Calcium Carbonate 40µ	25 kg sacks	0	24	0	306.0	

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	8.90	97	120	450.00	250.00	1109.0		1.	70	220.00	
										2.	100	380.00	
2	GD PZ-7	5.50	8.90	97	0			1109.0		1.	70	250.00	
										2.	100	380.00	
3	GD PZ-7	5.51		97	0					1.			
										2.			