

CRC-1

Date :	17 Feb 2007	Well Site Manager :	Kevin Murphy	Rig Manager :	Agus Nugroho
Report Number	3	Drilling Supervisor :	Kevin Murphy / Brian Assels	Drilling Company :	N/A3 - CDL Rig 11
Easting	657913	Northing	5733761	Geologist :	Dave Horner

Well Details

Country:	Australia	Current Hole Size:	9.88in	Casing O.D.:	7.63in	Planned TD:	2250.0m
Field:	Otway (Naylor)	Measured Depth:	516.0m	Casing MD:	512.0m	Last BOP Test:	
Rig:	CDL Rig 11	True Vertical Depth:	516.0m	Casing TVD:	512.0m	FIT/LOT:	/
RT - AMSL:	50.00m	24 Hr Progress:	0.0m	TOL MD:		Last LTI:	04 Jan 2006
RT - GL:	5.20m	Days From Spud:	2.54	Liner MD:		LTI Free Days:	
Datum:	GDA 94	Days On Well:	15.54	Liner TVD:			

Current Ops @ 0600: WOC.
 Planned Operations: WOC, Cut conductor, MU A-section, NU BOP's & p/test. RIH 6-3/4" PDC Bit #2.

Summary of Period 0000 to 2400 Hrs

Conduct wiper trip to bit. RIH - 13 m soft fill. Circ well while WO cement head. POOH, LD 6-1/4" DC's. RIH 7-5/8" casing.

HSE Summary

Event (# Of)	Date of last	Days Since	Short Description
Alcohol & drug screening (2)	17 Feb 2007	0 Days	Personnel blow into alcoholizer
First Aid Case (1)	17 Feb 2007	0 Days	Cook cut finger while cutting food. Not LTI.
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Pre-Tour Meetings (2)	17 Feb 2007	0 Days	Housekeeping & Racking back DC's
Safety Meeting (1)	17 Feb 2007	0 Days	Pre-job cementing meeting.
Weekly Safety Meeting (2)	17 Feb 2007	0 Days	Meetings held for both crews.

Operations For Period 0000 Hrs to 2400 Hrs on 17 Feb 2007

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
SH	P	WT	0000	0630	6.50	516.0m	Con't POH Bit #1 on wiper trip. Inspect bit - OK. Clean work floor. RIH with Bit #1. Break circ on trip in at 200 m & 400 m.
SH	P	WO	0630	1100	4.50	516.0m	Tag fill at 503m. Pick up kelly and wash to bottom. Circ and WO cement / cement head.
SH	P	TO	1100	1600	5.00	516.0m	POH f/ 516m. LO 6-1/4" DC's & Jars.
SH	P	HT	1600	1630	0.50	516.0m	Clean & clear drill floor.
SH	P	RRD	1630	1800	1.50	516.0m	RU casing running equipment and stabbing board.
SH	P	SAF	1800	1830	0.50	516.0m	PU shoe joint. Hold pre-job safety meeting.
SH	P	CRN	1830	2300	4.50	516.0m	RIH with Float Shoe (7-5/8" buttress), 1 jt 7-5/8" 26.4 #/ft L80 Buttress casing, Float Collar (7-5/8" buttress), 42 jts 7-5/8" 26.4 #/ft L80 Buttress casing, & 7-5/8" 26.4 #/ft L80 Buttress landing joint. Install centralizers middle of shoe joint, then top of every joint for next 6 joints. Install centralizers on 3 top joints.
SH	P	RRD	2300	2400	1.00	516.0m	Install cement head and lines to floor. Rig to circ casing.

Operations For Period 0000 Hrs to 0600 Hrs on 18 Feb 2007

Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
SH	P	CIC	0000	0130	1.50	516.0m	Circ casing and condition hole. Mix cement chemicals. Hold pre-job safety meeting.
SH	P	CMC	0130	0230	1.00	516.0m	Pump 10 bbls water ahead. P/test treating lines - fix leaks. P/test to 3500 psi. Pump 50 bbls water. Drop bottom plug.
SH	P	CMC	0230	0430	2.00	516.0m	Mix cement. Pump 67 bbls Class G lead cement at 12.5 ppg with 2.5% Bentonite BWOC, 1% CaCl2 BWOC. Mix and pump 33.5 bbls Class G lead cement at 15.8 ppg with 0.5 % CaCl2 BWOC. Release top plug. Displace cement with 79.1 bbls drilling mud at 6.6 bpm. Slow pump rate to 1.0 bpm for last 5 bbls. Bump plug & test casing to 3000 psi for 5 min. Held OK. Bleed off - 1 bbl back. Record 20 bbls of good cement returns at shakers. Bump plug at 04:05 hrs.
SH	P	RRD	0430	0600	1.50	516.0m	(IN PROGRESS) W.O.C. Clean cement unit. Flush flow line. Clean up work floor. Flush flowline ,Lift Conductor, Press test choke manifold. Prepare for BOP nipple up

WBM Data							
Daily Chemical Costs: \$ 1123				Cost To Date: \$ 4120		Engineer : Peter N ARONETZ	
Mud Type:	BENTONITE Spud Mud	Flowline Temp:	44.9C°	Cl:	7x1000 mg/l	Low Gravity Solids:	2.6
Sample From:	Past Shaker	Nitrates:	0mg/l	Hard/Ca:	320mg/l	High Gravity Solids:	0.6
Time:	11:30	Sulphites:	0mg/l	MBT:	15	Solids (corrected):	3.2
Weight:	8.90ppg	API FL:	50.0cm³/30m	PM:	0	H2O:	97%
ECD TD:	9.06ppg	API Cake:	4.0/32nd"	PF:	0	Oil:	0%
ECD Shoe:		PV	4cp	MF:	0.16	Sand:	.25 %
Viscosity	44sec/qt	YP	30lb/100ft²	pH:	8	Barite:	9.5
KCl Equiv:	1%			PHPA Excess:	0.0ppb		
						Gels 10s	21
						Gels 10m	30
						Fann 003	22
						Fann 006	26
						Fann 100	30
						Fann 200	32
						Fann 300	34
						Fann 600	38

Comment: Add remaining KCl brine to system, as tank had to be MT for repairs.
 Prepare 30bbls XTRA SWEEP.
 Treat SFC volume with SAPP to reduce rheology prior to cement job.
 Cont treatment w/- SAPP while circulating CSG.

AUS-BEN and CaCl2 supplied to DOWELL-SLB for CMT job.

Shakers, Volumes and Losses Data							
Available	409.00bbl	Losses	136.00bbl	Equip.	Descr.	Mesh Size	Hours
Active	230.00bbl	Downhole	11.00bbl	1	Lin. Motion SHAKER	3 x 84	11
Hole	151.00bbl	Shakers & Equip.	0.00bbl	2	Lin. Motion SHAKER	3 x 84	11
Slug		Dumped	40.00bbl	3	De-Sander	2 x 8" Cones	18
Reserve	28.00bbl	Centrifuges		4	De-Silter	12 x 4" Cones	18
Built	40.00bbl	Desander/silter	85.00bbl				

Comment: Add remaining KCl brine to system, as tank had to be MT for repairs.
 Prepare 30bbls XTRA SWEEP.
 Treat SFC volume with SAPP to reduce rheology prior to cement job.
 Cont treatment w/- SAPP while circulating CSG.

Bit Data												
Bit # 1				Wear	I	O1	D	L	B	G	O2	R
				2	2	NO	A	1	I	RR	TD	
Size ("):	9.875	IADC#	1-1-7	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	Stealth Tools	WOB(avg)	5.0klb	4 x 14(/32nd")		Progress	0.0m	Cum. Progress		516.0m		
Type:	Rock	RPM(avg)	120			On Bottom Hrs	0.00	Cum. On Btm Hrs		23.80		
Serial No.:	402437	RPM (DH)(avg)	120			IADC Drill Hrs	0.00	Cum IADC Drill Hrs		44.50		
Bit Model	JST11XC	F.Rate	504.00gpm			Total Revs	0	Cum Total Revs		106430		
Depth In	15.0m	SPP	1600.00psi			OB-ROP(avg)		Cum. OB-ROP(avg)		21.68m/hr		
Depth Out	516.0m	TFA	0.601	HSI131826732676.05								

BHA Data							
BHA # 1							
Weight(Wet)	25.0klb	Length	204.8m	Torque(max)	5000.0ft-lbs	D.C. (1) Ann Velocity	211fpm
Wt Below Jar(Wet)	20.0klb	String	63.0klb	Torque(Off.Btm)	1000.0ft-lbs	D.C. (2) Ann Velocity	0fpm
		Pick-Up	65.0klb	Torque(On.Btm)	5000.0ft-lbs	H.W.D.P. Ann Velocity	145fpm
		Slack-Off	63.0klb	Jar Hours	32.5	D.P. Ann Velocity	145fpm

Equipment	Length	OD	ID	Serial #	Hours	Comment
Bit	1 x 0.26m	9.88in		402437	32.5	
Bit Sub	1 x 0.74m	7.99in				
X/O	1 x 0.69m	6.22in	2.87in			
6.5" DC	2 x 9.07m	6.22in	2.87in		470.25	
Stabiliser	1 x 1.42m	9.88in	2.87in			
6.5" DC	10 x 9.11m	6.22in	2.87in		470.25	
6 1/2in Jars	1 x 9.84m	6.50in	2.87in	DJ012	32.5	
6.5" DC	3 x 9.17m	6.22in	2.87in		470.25	
X/O	1 x 0.27m	6.22in				
3 1/2" HWDP	6 x 9.14m	3.50in	2.17in		32.5	
Total Length:	204.81m					

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

Summary	
Company	Pax On
Upstream Petroleum	3
Century Drilling Ltd	25
Schlumberger Oilfield Australia Pty Ltd	2
BHI	2
RMN Drilling Fluids	1
Total on Rig	33

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	9.00	97	120	1600.00	250.00			1.		
2	GD PZ-7	5.50	9.00	97	120	1600.00	250.00			1.		
3	GD PZ-7	5.51		97						1.		
										2.		

Casing Run			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
7 5/8"	/	512.42m /	