DAILY DRILLING REPORT

27/08/05

REPORT # 12

WELL	**Peterborough 01**	**24:00 DEPTH**	**1136m**	**24 HR PROG**	**178m**	**CUM. COSTS**	**$2,185,125**
RIG	Century Resources Ltd # 7	**FORMATION**	Pember Mudstone	**PTD**	2075m	**DAILY COSTS**	$68,392.89

OP's TO 06:00 Continue to Slide/Rotate from 1136m to 1211m

REMARKS: Weekly safety meetings, Fire drill (26th). **PERSONNEL ON SITE:** 37

LAST CASING	9 5/8"	**SET AT**	495.6m	**LOT**	16.8ppg	**MAASP**	**634psi**	**BOP TEST**	19/08/05	**TEST DUE**	09/09/05

AFD's: 30 **SAFETY** 1. Working as a team , helping new hands. Follow S.O.P's 2. General guide lines for body placement. **WEATHER AM** Clear/cold **PM** Clear/cold

BIT INFORMATION

WOB(kLb)	0-10	**JET V(fps)**	232
RPM	0-90	**H S I**	2.48
BIT NUMBER		**4**	
Size (in)		8.5	
Make		Smith	
Type		MF05TCPS	
IADC Code		427X	
Serial Number		MR5354	
T.F.A.(")		0.746	
Depth In (m)		945	
Depth Out (m)		IN	
Total Meters		191	
Hours		66.5	
ROP		2.9	
Condition Out			

FLOW DATA

CIRC. RATE (gpm)	539
AV - DP (fpm)	254
AV - DC (fpm)	398
SPP (psi)	1575
SPP (calculated)	1600

PUMP #1		PUMP #2	
8-P-80		8-P-80	
RATE	89	**RATE**	89
LINER	6.0"	**LINER**	6.0"
STROKE	8.5"	**STROKE**	8.5"
SCR: 420 @ 70		SCR: 700 @ 100	

SURVEYS

3.65° at 989.01m	2.14° at 1073.27m
9.37° at 1026.13m	2.15° at 1110.79m
3.72° at 1054.52m	2.29° at 1138.91m

BHA # 4

TOOL	LENGTH
Rock Bit	0.25
A675M7850XP, 1.5°	7.65
Float Sub	0.48
8-1/4" String Stab	1.81
SlimPulse	9.81
6-3/4" NMDC	9.48
x/o	0.51
14 x 6-1/2" DC's	129.00
Drilling Jars	9.77
2 x 6-1/2" DC's	18.26
4 x 4-1/2" HWDP	37.36
BHA LENGTH (m)	224.38
BHA WEIGHT(kLb)	47.1
STRING WT (kLb)	95.4
HOOK LOAD (kLb)	115.0
WT BELOW JARS (kLb)	36.8
DRAG UP (kLb)	5.0
DRAG DOWN (kLb)	5.0
TORQUE ON (Amps/Rel.)	0-7
TORQUE OFF (Amps/Rel.)	0-5

ENVIRONMENTAL DATA

FUEL ON SITE	23600 Litres
DAILY USAGE	3100 Litres
CUM. FUEL USED	34100 Litres
CUM. MUD MIXED	2088 Bbls
CUM. MUD LOSSES	1911 Bbls
CUM. GEL	5775 kg
CUM. BARITES	9625 kg

MUD PROPERTIES

Time	23:30
Depth (m)	1136
Temp (° C)	39
Mud Type	KCL/Poly/Phpa
Density (ppg)	9.30
ECD (ppg)	9.91
Viscosity (sec)	55
PV / YP (cp/lb)	19 / 26
Gells (s/m)	5 / 8
API Filt. (cc)	6.2
Cake (/32")	1
Solids (% Vol)	4.5
Sand (% Vol)	1
MBT	7.5
pH (strip)	9
Chlorides (mg/l)	19000
KCL (%)	3.5
PHPA (ppb)	1.3
ALC - 50 (K)	
Circ. Vol. (Bbl)	555

CHEMICAL USAGE

Barite	80
Citric Acid	6
Defoam	3
Duo-Tec	5
Polypac UL	8
Sod Bicarb	8
Pot chloride	30
Polyplus	6
OS-1	2

OPERATION / HRS / CUM

OPERATION	HRS	CUM
Casing		9.0
Cementing		5.5
Circ & Condition		10.5
Coring		
D/O Cement		1.5
Drilling	24.0	101.5
Handle BHA		18.0
LOT / FIT		1.0
N/U & Test BOP's		19.0
P & A		
Repairs		4.5
Rig Move		20.5
Rig Service		2.5
Safety		
Survey		13.0
Tight hole / Fishing		3.0
Tripping		49.0
Wait on Cement		11.5
Wash / Ream		6.5
Well Control		
Well Test		
Wellhead		4.5
Wiper Trip		
Wireline		
Other		7.0
TOTALS	24.0	288.0

DAILY MUD COSTS	$4,921.89
CUM. MUD COSTS	**$42,470.63**
AFE COST - C&S	$2,687,024
AFE COST - P&A	$2,475,824
AFE COST - C&C	

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	Description
0:00	0:00	Directional drill 8 1/2" hole from 958m to 1136m.Rotate/slide as required. 100% formation.

SUPERVISOR:	C.Dann / B.Webb	**GEOLOGIST:**	J. Hobday	**MUD CO:**	M-I