DAILY DRILLING REPORT

31/10/2006

REPORT # 28

WELL	**Glenaire 01 ST 01**	**24:00 DEPTH**	**3701m**	**24 HR PROG**		**CUM. COSTS**	
RIG	Ensign # 32	**FORMATION**	Pretty Hill	**PTD**	3945m	**DAILY COSTS**	

OP's TO 06:00: Run 4-1/2" liner, attempt to set hanger, no success, sit liner on bottom, cmt. same, sting out, circ. bottoms up, well flowing, spot 50bbls 14.4ppg on bot., slight flow, shut in & monitor well, no press., open annular, POOH

REMARKS / FORWARD PLAN: POOH & run CBL

PERSONNEL ON SITE: 41

LAST CASING	7 "	**SET AT**	2998m	**LOT**	9.1ppg	**MAASP**	**-1815psi**	**BOP TEST**	26/10/2006	**TEST DUE**	09/11

AFD's: 68 | **SAFETY** 1. Toobox meeting; 2. | **WEATHER AM** Fine | **PM** Fine

BIT INFORMATION

WOB(kLb)		**JET V(fps)**	
RPM		**H S I**	
BIT NUMBER			
Size (in)			
Make			
Type			
IADC Code			
Serial Number			
T.F.A.(")			
Depth In (m)			
Depth Out (m)			
Total Meters			
Hours			
ROP			
Condition Out			

FLOW DATA

CIRC. RATE (gpm)	
AV - DP (fpm)	
AV - DC (fpm)	
SPP (psi)	
SPP (calculated)	

PUMP #1		**PUMP #2**	
8-P-80		**8-P-80**	
RATE		**RATE**	
LINER	5.0"	**LINER**	5.0"
STROKE	8.5"	**STROKE**	8.5"

SURVEYS

TOOL	**LENGTH**
BHA LENGTH (m)	
BHA WEIGHT(kLb)	
STRING WT (kLb)	
HOOK LOAD (kLb)	
WT BELOW JARS (kLb)	
DRAG UP (kLb)	
DRAG DOWN (kLb)	
TORQUE ON (Amps/Rel.)	
TORQUE OFF (Amps/Rel.)	

BULK PRODUCTS	
FUEL ON SITE	15650 Litres
DAILY USAGE	3850 Litres
CUM. FUEL USED	83557 Litres
BARITES ON SITE	-230300 kg
BARITES USED	141700 kg
MUD MIXED	1513 Bbls
MUD LOSSES	1398 Bbls

MUD PROPERTIES

Time	1200
Depth (m)	3701
Temp (° C)	35
Mud Type	KCL/PHPA/POL
Density (ppg)	12.60
ECD (ppg)	
Viscosity (sec)	46
PV / YP (cp/lb)	16 / 22
Gells (s/m)	5 / 7
API Filt. (cc)	8.6
Cake (/32")	2
Solids (% Vol)	18.6
Sand (% Vol)	Tr
MBT	9
pH (strip)	8
Chlorides (mg/l)	136000
KCL (%)	10
PHPA (ppb)	0.42
ALC - 50 (K)	
Circ. Vol. (Bbl)	717

CHEMICAL USAGE	
Ausben	2
Barite	424
Soda Ash	2
Xanthan Gum	2

OPERATION	**HRS**	**CUM**
BOP's / Wellhead		
Cementing	1.5	1.5
Circ & Condition	11.0	54.0
Coring		
D/O Cement		
Drilling		234.5
FIT / LOT		
Handle BHA		3.0
Repairs	0.5	66.5
Rig Service		4.5
Rig up Csg./ Cmt.	2.5	4.0
Run Casing	5.0	17.0
Safety		1.0
Slip/Cut Drill Line		5.0
Survey		10.0
Test BOP		11.0
Tight hole / Fishing		0.5
Tripping		127.5
Wait on Cement		
Wash / Ream		9.5
Well Control	3.5	22.0
Well Test		
Wiper Trip		17.0
Wireline		21.5
Other		56.0
TOTALS	24.0	666.0

DAILY MUD COSTS	$4,254.40
CUM. MUD COSTS	**$114,197.59**
AFE COST - C&S	
AFE COST - P&A	
AFE COST - C&C	

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	Description
0:00	0:30	Cont.repairing control panel
0:30	2:30	Circ. bottoms up f/ shoe, recipicate pipe, 480 units gas to surface
2:30	4:00	Cont. RIH stands d.p. to 3550m
4:00	7:30	Circ. bottoms up, recipicate pipe, 970 units gas to surface
7:30	8:00	RIH to 3608m
8:00	8:30	Circ. up weighted pill into 7" shoe
8:30	9:00	RIH, set shoe @ 3694m
9:00	12:30	Circ. bottoms up, 118 units gas to surface
12:30	15:00	Pick up "Baker" cement head, make up Haliburton equip., drop ball, pump down, attempt to shear & set slips on hanger, no success
15:00	16:30	Set liner on bot., shoe @ 3701m, attempt to release setting tool, no succes, re-attempt by increasing press. to 3000psi, ok,
16:30	17:30	Shear out ball seat, @ 3790psi, ok, circ. hole
17:30	18:00	Circ. 80spm @ 1450psi, & hold safety meeting, pump tuned spacer @ 13ppg
18:00	18:30	Mix & pump 42bbls (143sx) lead @ 13.5ppg, followed by 22bbls (105sx)Tail @ 15.6ppg, (pumped 64bbls, only 13bbls returned)
18:30	19:00	Displace w/ 101bbls mud, bump w/ 1400psi, increase to 3000psi, good test, retuned 1.25bbls, float held (displace 101bbls, only 18bbls returned)
19:00	19:30	Equalise press. on RSB, pull RSB f/ Hanger, ok, circ. clean
19:30	20:30	Circ. bottoms up, flush top of Hanger, nil cement, lay out cmt. head
20:30	0:00	Well flowing, spot 50bbls 14.4ppg @ top of hanger, observe, slight flow, shut in on annular @ 21:30hrs & monitor well

MAXIMUM GAS: % @ m	**BACKGROUND GAS:** %	**CONNECTION GAS:** %	**TRIP GAS:** %

SUPERVISOR: Brian Marriott/Ray Ell | **GEOLOGIST:** | **MUD CO:** RMN Drilling Fluids