DAILY DRILLING REPORT

22/10/2006

REPORT # 45

WELL	**Glenaire 01 ST1**	**24:00 DEPTH**	**3612m**	**24 HR PROG**	**40m**	**CUM. COSTS**	
RIG	Ensign # 32	**FORMATION**	Pretty Hill	**PTD**	3945m	**DAILY COSTS**	

OP's TO 06:00 Drill f/ 3572m to 3620m @ 06:00hrs

REMARKS / FORWARD PLAN: 16000 lit. of fuel was arranged & delivered to rig @ 2200hrs last night, Sunday the 22nd >> Drill ahead, w/ the possibility of POOH for bit

PERSONNEL ON SITE: 39

LAST CASING	7 "	**SET AT**	2998m	**LOT**	13.8ppg	**MAASP**	**1331psi**	**BOP TEST**	11/10/2006	**TEST DUE**	25/10

SAFETY
1. Safety meeting
2. Toolbox meeting

WEATHER AM Fine / cold
PM Fine

BIT INFORMATION			
WOB(kLb)	4-14	**JET V(fps)**	73
RPM	197	**H S I**	0.23
BIT NUMBER		**11**	
Size (in)		6.0	
Make		Hyc	
Type		DSX111	
IADC Code			
Serial Number		112300	
T.F.A.(")			
Depth In (m)		3564	
Depth Out (m)			
Total Meters			
Hours			
ROP			
Condition Out			
FLOW DATA			
CIRC. RATE (gpm)		210	
AV - DP (fpm)		217	
AV - DC (fpm)		383	
SPP (psi)		2990	
SPP (calculated)		2650	
PUMP #1		**PUMP #2**	
8-P-80		**8-P-80**	
RATE	40	**RATE**	60
LINER	5.0"	**LINER**	5.0"
STROKE	8.5"	**STROKE**	8.5"
SCR: 980 @ 720		SCR: 980 @ 680	
SURVEYS			

BHA # 12	
TOOL	**LENGTH**
DSX111GJW	0.20
P100XL Mud Motor	7.25
Float sub	0.52
14 X 4-3/4" DC's	132.38
Dailey Drlg. Jars	8.96
3 X 4-3/4" DC's	28.30
9 X HWDP	85.50
BHA LENGTH (m)	263.11
BHA WEIGHT(kLb)	33.5
STRING WT (kLb)	187.2
HOOK LOAD (kLb)	200.0
WT BELOW JARS (kLb)	
DRAG UP (kLb)	215.0
DRAG DOWN (kLb)	190.0
TORQUE ON (Amps/Rel.)	6200
TORQUE OFF (Amps/Rel.)	4100
BULK PRODUCTS	
FUEL ON SITE	9850 Litres
DAILY USAGE	22350 Litres
CUM. FUEL USED	201038 Litres
BARITES ON SITE	50 kg
BARITES USED	250 kg
MUD MIXED	5202 Bbls
MUD LOSSES	4225 Bbls

MUD PROPERTIES	
Time	2245
Depth (m)	3610
Temp (° C)	55
Mud Type	KCL/PHPA/POL
Density (ppg)	11.20
ECD (ppg)	11.70
Viscosity (sec)	37
PV / YP (cp/lb)	12 / 12
Gells (s/m)	2 / 5
API Filt. (cc)	7
Cake (/32")	1
Solids (% Vol)	8.7
Sand (% Vol)	Tr
MBT	7
pH (strip)	9
Chlorides (mg/l)	170000
KCL (%)	7.75
PHPA (ppb)	0.81
ALC - 50 (K)	
Circ. Vol. (Bbl)	838
CHEMICAL USAGE	
AMC Pac- LV	2
Barite	40
Caustic Soda	1
Sodium Sulphite	2

OPERATION	HRS	CUM
BOP's / Wellhead		36.0
Cementing		8.5
Circ & Condition		40.0
Coring		
D/O Cement		12.5
Drilling	23.5	408.0
FIT / LOT		4.0
Handle BHA		14.0
Repairs		68.0
Rig Service	0.5	7.5
Rig up Csg./ Cmt.		11.0
Run Casing		32.5
Safety		2.0
Slip/Cut Drill Line		8.0
Survey		36.5
Test BOP		24.0
Tight hole / Fishing		
Tripping		216.0
Wait on Cement		24.5
Wash / Ream		9.5
Well Control		3.5
Well Test		
Wiper Trip		14.5
Wireline		8.5
Other		84.0
TOTALS	24.0	1073.0
DAILY MUD COSTS		$763.46
CUM. MUD COSTS		**$158,198.01**
AFE COST - C&S		
AFE COST - P&A		
AFE COST - C&C		

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	Description
0:00	6:00	Drill f/ 3572m to 3578m, rotating 60rpm, 248gpm = 130rpm (total = 190rpm) WOB = 12k to 15k (av. ROP = 1.1mph)
6:00	17:00	Increase Top Drive RPM, Drill f/ 3578m to 3600m, rotating 70rpm, 248gpm =130rpm (total = 200rpm) WOB = 9k to 14k (av. ROP = 2mph)
17:00	17:30	Circ. & Rig service >> (Kaolinitic sandstone f/ 3593m to 3600m, intermittent ROP f/ 4 to 6mph w/ oil)
17:30	0:00	Drill f/ 3600m to 3612m (14k to 15k) rpm 200 (av. ROP = 1.84mph) (max torque on bottom = 6200 >> off bottom = 5600)

MAXIMUM GAS:	101% @ 3582m	**BACKGROUND GAS:**	30 - 60%	**CONNECTION GAS:**	3010%	**TRIP GAS:**	%
SUPERVISOR:	Brian Marriott/Ray Ell	**GEOLOGIST:**	Dave Horner	**MUD CO:**	RMN Drilling Fluids		