DAILY DRILLING REPORT

24/10/2006

REPORT # 47

WELL	**Glenaire 01 ST1**	**24:00 DEPTH**	**3688m**	**24 HR PROG**	**40m**	**CUM. COSTS**	
RIG	Ensign # 32	**FORMATION**	Pretty Hill	**PTD**	3945m	**DAILY COSTS**	

OP's TO 06:00 Drill f/ 3648m to 3688m, work tight conn., 2 std. wiper, circ., POOH to shoe, repairs to Top Drive IBOP valve, RIH, drill ahead f/ 3688m @ 06:00hrs

REMARKS / FORWARD PLAN: Drlg. Break f/3671 to 3674m, lost 35bbls, refer to mud report / 4hrs down time for Top Drive / Present Op. = Drill ahead f/ 3688m to 3710m + -

PERSONNEL ON SITE: 37

LAST CASING	7 "	**SET AT**	2998m	**LOT**	13.8ppg	**MAASP**	**1382psi**	**BOP TEST**	11/10/2006	**TEST DUE**	25/10

AFD's: 87 **SAFETY** 1. Toolbox meeting 2. **WEATHER AM** Fine **PM** Fine

BIT INFORMATION			
WOB(kLb)	14-17	**JET V(fps)**	73
RPM	175	**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)		2350	
SPP (calculated)		2660	
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: 990 @ 570		SCR: 1000 @ 580	
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)	33.6
STRING WT (kLb)	191.0
HOOK LOAD (kLb)	200.0
WT BELOW JARS (kLb)	
DRAG UP (kLb)	216.0
DRAG DOWN (kLb)	185.0
TORQUE ON (Amps/Rel.)	6300
TORQUE OFF (Amps/Rel.)	4100
BULK PRODUCTS	
FUEL ON SITE	42000 Litres
DAILY USAGE	-4900 Litres
CUM. FUEL USED	186488 Litres
BARITES ON SITE	50 kg
BARITES USED	250 kg
MUD MIXED	5302 Bbls
MUD LOSSES	4349 Bbls

MUD PROPERTIES	
Time	2230
Depth (m)	3687
Temp (° C)	57
Mud Type	KCL/PHPA/POL
Density (ppg)	11.10
ECD (ppg)	11.61
Viscosity (sec)	38
PV / YP (cp/lb)	12 / 13
Gells (s/m)	2 / 5
API Filt. (cc)	6.4
Cake (/32")	1
Solids (% Vol)	7.7
Sand (% Vol)	Tr
MBT	6.5
pH (strip)	9
Chlorides (mg/l)	166000
KCL (%)	7.5
PHPA (ppb)	0.79
ALC - 50 (K)	
Circ. Vol. (Bbl)	824
CHEMICAL USAGE	
Caustic Soda	1
Sodium Sulphite	2
Kwikseal F	1

OPERATION	**HRS**	**CUM**
BOP's / Wellhead		36.0
Cementing		8.5
Circ & Condition		40.5
Coring		
D/O Cement		12.5
Drilling	23.0	452.5
FIT / LOT		4.0
Handle BHA		14.0
Repairs		68.0
Rig Service	0.5	8.0
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	0.5	0.5
Tripping		216.0
Wait on Cement		24.5
Wash / Ream		9.5
Well Control		3.5
Well Test		
Wiper Trip		16.5
Wireline		8.5
Other		84.0
TOTALS	24.0	1121.0
DAILY MUD COSTS		$171.89
CUM. MUD COSTS		**$165,038.92**
AFE COST - C&S		
AFE COST - P&A		
AFE COST - C&C		

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	Description
0:00	8:30	Drill f/ 3648m to 3659m, Varied RPM for ROP optimisation 50-70RPM + 130RPM from motor, (1.3mph), WOB 14-17klbs
8:30	9:00	Rig service >>> (Max 925 units of gas f/ 3192m)
9:00	23:30	Reduce flow rate to 200gpm > Drill f/ 3659m to 3688m, rot. 65rpm, 200gpm = 104rpm, (total rpm = 169), WOB = 12k (av. 2mph)(1mph f/ 18:30hrs)
23:30	0:00	Attempt connection, tight hole, max 65k o.p., work stand & clean up hole

MAXIMUM GAS:	200% @ 3680m	**BACKGROUND GAS:**	20 - 40%	**CONNECTION GAS:**	%	**TRIP GAS:**	677%
SUPERVISOR:	Brian Marriott	**GEOLOGIST:**	Dave Horner	**MUD CO:**	RMN Drilling Fluids		