DAILY DRILLING REPORT

27/10/2006

REPORT # 50

WELL	**Glenaire 01 ST1**	**24:00 DEPTH**	**3701m**	**24 HR PROG**	**1m**	**CUM. COSTS**	**$198,404**
RIG	Ensign # 32	**FORMATION**	Pretty Hill	**PTD**	3945m	**DAILY COSTS**	$30,041.05

OP's TO 06:00: Shoe, bots.up = 1670 units, RIH to 3643m, W/R to bot., drill f/ 3700m > 3701m, circ. bot's up, flow check, well flowing, wt. up f/ 11.1ppg to 12.1ppg, flow check, slight flow, circ. bottoms up, 954 units to surface, cont. circ.

REMARKS / FORWARD PLAN: 1300hrs = bottoms up, noticed small pieces of shale type cuttings over the shakers >> Operation =circ. with 12.1ppg in & out of hole

PERSONNEL ON SITE: 37

LAST CASING	7 "	**SET AT**	2998m	**LOT**	13.8ppg	**MAASP**	**870psi**	**BOP TEST**	26/10/2006	**TEST DUE**	09/11

AFD's: 88 **SAFETY** 1. Toolbox meeting 2. **WEATHER AM** Showers **PM** Rain

BIT INFORMATION			
WOB(kLb)	8-10	**JET V(fps)**	73
RPM	75	**H S I**	0.25
BIT NUMBER		**RR 11**	
Size (in)		6.0	
Make		Hyc	
Type		DSX111	
IADC Code			
Serial Number		112300	
T.F.A.(")			
Depth In (m)		3700	
Depth Out (m)			
Total Meters			
Hours			
ROP			
Condition Out		2-3-WT-A-X-i-PN-TD	
FLOW DATA			
CIRC. RATE (gpm)		210	
AV - DP (fpm)		217	
AV - DC (fpm)		383	
SPP (psi)		2700	
SPP (calculated)		2930	
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"
SURVEYS			

BHA # 13	
TOOL	**LENGTH**
DSX111GJW	0.20
Float sub	0.91
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)	256.25
BHA WEIGHT(kLb)	32.1
STRING WT (kLb)	187.5
HOOK LOAD (kLb)	202.0
WT BELOW JARS (kLb)	
DRAG UP (kLb)	220.0
DRAG DOWN (kLb)	190.0
TORQUE ON (Amps/Rel.)	7993
TORQUE OFF (Amps/Rel.)	7560
BULK PRODUCTS	
FUEL ON SITE	31550 Litres
DAILY USAGE	2350 Litres
CUM. FUEL USED	179338 Litres
BARITES ON SITE	50 kg
BARITES USED	250 kg
MUD MIXED	5522 Bbls
MUD LOSSES	4602 Bbls

MUD PROPERTIES	
Time	0130
Depth (m)	3701
Temp (° C)	45
Mud Type	KCL/PHPA/POL
Density (ppg)	12.10
ECD (ppg)	12.77
Viscosity (sec)	41
PV / YP (cp/lb)	14 / 18
Gells (s/m)	3 / 6
API Filt. (cc)	6.8
Cake (/32")	1
Solids (% Vol)	16
Sand (% Vol)	Tr
MBT	7
pH (strip)	8.5
Chlorides (mg/l)	140000
KCL (%)	10
PHPA (ppb)	0.61
ALC - 50 (K)	
Circ. Vol. (Bbl)	689
CHEMICAL USAGE	
Barite	1184
Biocide G	1
Caustic Soda	1
NaCl	48
Xanthan Gum	8
KCL	252
Kwikseal F	20
CaCO3 UF	192
CaCO3 F	192
CaCO3 M	384

OPERATION	**HRS**	**CUM**
BOP's / Wellhead		36.0
Cementing		8.5
Circ & Condition	1.5	46.5
Coring		
D/O Cement		12.5
Drilling	1.0	462.0
FIT / LOT		4.0
Handle BHA		14.5
Repairs	1.0	74.0
Rig Service		8.0
Rig up Csg./ Cmt.		11.0
Run Casing		32.5
Safety		2.0
Slip/Cut Drill Line	1.0	9.0
Survey		36.5
Test BOP	1.0	29.0
Tight hole / Fishing		0.5
Tripping		223.5
Wait on Cement		24.5
Wash / Ream	1.0	10.5
Well Control	12.5	16.0
Well Test		
Wiper Trip	5.0	24.5
Wireline		23.5
Other		84.0
TOTALS	24.0	1193.0
DAILY MUD COSTS		$30,041.05
CUM. MUD COSTS		**$198,403.90**
AFE COST - C&S		
AFE COST - P&A		
AFE COST - C&C		

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	Description
0:00	1:30	Cont. RIH to 1200m
1:30	2:30	Slip & cut drilling line
2:30	3:00	Circ. out the 60bbl x 14.5ppg pill, return to slug tank
3:00	5:30	Cont. RIH to shoe
5:30	6:30	Repairs to Top Drive, fault find electrical wireing for "extend" operation, found & repaired damaged earth wire
6:30	7:30	Pressure test rig floor surface equipment, 200psi low x 5 min. & 5000psi high x 10 minutes
7:30	8:30	Circ. out gas f/ shoe, >>> (max 1670 units on bottoms up)
8:30	9:30	Cont. RIH to 3652m
9:30	10:30	Wash & ream f/ 3652m to 3700m, while taking torque values with Top Drive off bottom (off bottom RPM = 75, torque =7560 ft/lbs, w/ 2300psi)
10:30	11:30	Drill f/ 3700m to 3701m, WOB = 10k, RPM = 75, torque = 7993 ft/lbs w/ 2400psi, (low gear) >>> (max 3354 units f/ 3192)
11:30	21:00	Circ. bot's up 2750 units f/ bottom, slight flow, wt. up f/ 11.1ppg to 11.4ppg, > 15:30hrs, flow increased, wt. up f/ 11.4ppg to11.8ppg @ 19:30hrs
21:00	0:00	Low vol. in active tank, trans. 60bbls 11.8ppg LCM to active, reduce pump rate, build volume in pre-mix tank, transfer to active, wt. up to 12.1ppg

MAXIMUM GAS:	3354% @ 3700m	**BACKGROUND GAS:**	12%	**CONNECTION GAS:**	2700%	**TRIP GAS:**	1617%
SUPERVISOR:	Brian Marriott	**GEOLOGIST:**	Dave Horner	**MUD CO:**	RMN Drilling Fluids		