DAILY DRILLING REPORT

23/10/2006

REPORT # 46

WELL	**Glenaire 01 ST1**	**24:00 DEPTH**	**3648m**	**24 HR PROG**	**36m**	**CUM. COSTS**	
RIG	Ensign # 32	**FORMATION**	Pretty Hill	**PTD**	3945m	**DAILY COSTS**	

OP's TO 06:00: Drill f/ 3612m to 3641m, circ., 6 stand Wiper trip to 3487, max 65k overpull, f/ 3602 to 3592m, jar free, back ream & clean up hole, RIH to 3630m, wash & ream to 3641m, no fill, drill f/ 3641 to 3656m @ 06:00hrs today

REMARKS / FORWARD PLAN: If DSX111 is pulled, we will RIH tricone, Smith XR30 (537) >>>>>Op. = Drill ahead to 3710m or untill ROP drops below 1mph, then POOH & test BOP

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: 86

SAFETY: 1. Toolbox meeting; 2. Safety meeting

WEATHER AM: Fine
PM: Fine

BIT INFORMATION			
WOB(kLb)	14-17	**JET V(fps)**	73
RPM	200	**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)		3040	
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)	189.2
HOOK LOAD (kLb)	200.0
WT BELOW JARS (kLb)	
DRAG UP (kLb)	205.0
DRAG DOWN (kLb)	185.0
TORQUE ON (Amps/Rel.)	6600
TORQUE OFF (Amps/Rel.)	4100
BULK PRODUCTS	
FUEL ON SITE	19500 Litres
DAILY USAGE	-9650 Litres
CUM. FUEL USED	191388 Litres
BARITES ON SITE	50 kg
BARITES USED	250 kg
MUD MIXED	5302 Bbls
MUD LOSSES	4262 Bbls

MUD PROPERTIES	
Time	2320
Depth (m)	3648
Temp (° C)	57
Mud Type	KCL/PHPA/POL
Density (ppg)	11.10
ECD (ppg)	11.60
Viscosity (sec)	36
PV / YP (cp/lb)	12 / 12
Gells (s/m)	2 / 4
API Filt. (cc)	6.6
Cake (/32")	1
Solids (% Vol)	7.5
Sand (% Vol)	Tr
MBT	6.5
pH (strip)	9
Chlorides (mg/l)	171000
KCL (%)	7.75
PHPA (ppb)	0.79
ALC - 50 (K)	
Circ. Vol. (Bbl)	846
CHEMICAL USAGE	
AMC Pac- LV	11
Barite	360
Biocide G	1
Caustic Soda	1
PHPA	1
Sodium Sulphite	1
Xanthan Gum	2
KCL	42
Kwikseal F	1

OPERATION	**HRS**	**CUM**
BOP's / Wellhead		36.0
Cementing		8.5
Circ & Condition	0.5	40.5
Coring		
D/O Cement		12.5
Drilling	21.5	429.5
FIT / LOT		4.0
Handle BHA		14.0
Repairs		68.0
Rig Service		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	2.0	16.5
Wireline		8.5
Other		84.0
TOTALS	24.0	1097.0
DAILY MUD COSTS		$6,669.02
CUM. MUD COSTS		**$164,867.03**
AFE COST - C&S		
AFE COST - P&A		
AFE COST - C&C		

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	Description
0:00	18:30	Drill f/ 3612m to 3641m (av. ROP = 1.57mph) >>> (reduce mud wt. f/ 11.2ppg to 11.1ppg)
18:30	19:00	Circ. hole clean
19:00	21:00	6 std Wiper back to 3487m, max 65k over pull f/ 3602m to 3592m, jar free & back ream, intermittent 55k o.p f/ 3554 > 3544 & f/ 3515 > 3506m
21:00	0:00	Drill f/ 3641m to 3648m (av. ROP = 2.33mph) >>> (max 2811 units gas on wiper trip f/ 3192m)

MAXIMUM GAS:	101% @ 3642m	**BACKGROUND GAS:**	20 - 60%	**CONNECTION GAS:**	%	**TRIP GAS:**	3200%
SUPERVISOR:	Brian Marriott	**GEOLOGIST:**	Dave Horner	**MUD CO:**	RMN Drilling Fluids		