DAILY DRILLING REPORT

13/10/2006

REPORT # 36

WELL	**Glenaire 01 ST1**	**24:00 DEPTH**	**3169m**	**24 HR PROG**	**50m**	**CUM. COSTS**	
RIG	Ensign # 32	**FORMATION**	Laira	**PTD**	3945m	**DAILY COSTS**	$5,441.10

OP's TO 06:00 RIH to 3054m, light wash to bottom, drill w/ down hole mtr. & MWD f/ 3119m > 3181m

REMARKS / FORWARD PLAN: Expect to have enough deviation by 09:00hrs today, then POOH to run PDC >>>>Drill & steer ahead, taking surveys as required

PERSONNEL ON SITE: 39

LAST CASING	7 "	**SET AT**	2998m	**LOT**	13.8ppg	**MAASP**	**1791psi**	**BOP TEST**	11/10/2006	**TEST DUE**	25/10

AFD's: 76 **SAFETY** 1. Toolbox meeting; 2.

WEATHER AM Fine

PM Fine

BIT INFORMATION

WOB(kLb)	10-14	**JET V(fps)**	106
RPM	192	**H S I**	0.53
BIT NUMBER		**7**	
Size (in)		6.0	
Make		Smith	
Type		XR+	
IADC Code		117	
Serial Number		PB9349	
T.F.A.(")			
Depth In (m)		3119	
Depth Out (m)			
Total Meters			
Hours			
ROP			
Condition Out			

FLOW DATA

CIRC. RATE (gpm)	248
AV - DP (fpm)	256
AV - DC (fpm)	453
SPP (psi)	3050
SPP (calculated)	

PUMP #1		**PUMP #2**	
8-P-80		**8-P-80**	
RATE	59	**RATE**	59
LINER	5.0"	**LINER**	5.0"
STROKE	8.5"	**STROKE**	8.5"
SCR: 540 @ 40		SCR: 950 @ 60	

SURVEYS

2.04° at 3120m	
2.72° at 3148m	

BHA # 10

TOOL	LENGTH
Smith XR+	0.19
Mud Motor	6.79
Float sub	0.52
MWD NM pony collar	1.94
MWD collar	10.30
NMDC	9.30
11xDC's	104.08
Jars	9.34
3xDCs	28.30
9xHWDP	85.50
BHA LENGTH (m)	256.26
BHA WEIGHT(kLb)	33.1
STRING WT (kLb)	169.0
HOOK LOAD (kLb)	180.0
WT BELOW JARS (kLb)	
DRAG UP (kLb)	195.0
DRAG DOWN (kLb)	175.0
TORQUE ON (Amps/Rel.)	5100
TORQUE OFF (Amps/Rel.)	3057

BULK PRODUCTS

FUEL ON SITE	37850 Litres
DAILY USAGE	3850 Litres
CUM. FUEL USED	139003 Litres
BARITES ON SITE	125 kg
BARITES USED	175 kg
MUD MIXED	4422 Bbls
MUD LOSSES	3582 Bbls

MUD PROPERTIES

Time	2300
Depth (m)	3165
Temp (° C)	52
Mud Type	KCL/PHPA/POL
Density (ppg)	10.30
ECD (ppg)	
Viscosity (sec)	36
PV / YP (cp/lb)	9 / 6
Gells (s/m)	1 / 1
API Filt. (cc)	6.6
Cake (/32")	1
Solids (% Vol)	7.9
Sand (% Vol)	Tr
MBT	12
pH (strip)	10
Chlorides (mg/l)	131000
KCL (%)	11.5
PHPA (ppb)	0.84
ALC - 50 (K)	
Circ. Vol. (Bbl)	731

CHEMICAL USAGE

AMC Pac- LV	5
Biocide G	1
NaCl	456
PHPA	1
Sodium Sulphite	1
Xanthan Gum	1

OPERATION

OPERATION	HRS	CUM
BOP's / Wellhead		36.0
Cementing		8.5
Circ & Condition		30.5
Coring		
D/O Cement		12.5
Drilling	20.0	291.5
FIT / LOT		4.0
Handle BHA		13.0
Repairs		67.5
Rig Service		5.0
Rig up Csg./ Cmt.		11.0
Run Casing		32.5
Safety		1.5
Slip/Cut Drill Line		5.5
Survey	1.5	28.0
Test BOP		24.0
Tight hole / Fishing		
Tripping	2.0	157.5
Wait on Cement		24.5
Wash / Ream	0.5	2.5
Well Control		1.0
Well Test		
Wiper Trip		14.0
Wireline		8.5
Other		78.0
TOTALS	24.0	857.0

DAILY MUD COSTS	$5,441.10
CUM. MUD COSTS	**$107,738.56**
AFE COST - C&S	
AFE COST - P&A	
AFE COST - C&C	

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	Description
0:00	2:00	Cont. RIH f/ 1918m to 3054m, break circ.
2:00	2:30	Light wash f/ 3054m to bottom @ 3119m (2m fill)
2:30	3:00	Drill ahead f/ 3119m to 3127m, rotating 60rpm (880 units gas, slight flow @ flow line, wt. up f/ 10.1ppg to 10.2ppg +)
3:00	8:30	Drill f/ 3127m to 3135m, rotating 60 rpm
8:30	9:00	Survey @ 3120m = 2.04 deg., AZI =111.74
9:00	10:30	Set tool face, slide f/ 3135m to 3140.5m
10:30	12:00	Drill f/ 3140.5m to 3143m, rotating 60 rpm
12:00	21:00	Drill f/ 3143m to 3164m, rotating 60 rpm, Flow 250gpm (132rpm), 12-14WOB
21:00	22:00	Take SCR's @ 3164m make connection, take survey @3148m, orientate string to slide.
22:00	0:00	Slide f/ 3164m to 3169m. 12-14WOB, 250gpm

MAXIMUM GAS:	2900% @ 3152m	**BACKGROUND GAS:**	%	**CONNECTION GAS:**	938%	**TRIP GAS:**	89%

SUPERVISOR:	Brian Marriott	**GEOLOGIST:**	Dave Horner	**MUD CO:**	RMN Drilling Fluids