DAILY DRILLING REPORT

17/10/2006

REPORT # 40

WELL	**Glenaire 01 ST1**	**24:00 DEPTH**	**3361m**	**24 HR PROG**	**94m**	**CUM. COSTS**	
RIG	Ensign # 32	**FORMATION**	Laria	**PTD**	3945m	**DAILY COSTS**	

OP's TO 06:00: Slide / drill f/ 3265m to 3386m, taking surveys as required, 40k o.p. @ 3386m after survey, circ. bottoms up & work pipe, wiper trip, intermittent 10 to 15k o.p., 50k o.p. @ 3259m, jar free, cont. POOH to shoe, hole ok

REMARKS / FORWARD PLAN: Present Op. = Wiper to shoe, then RIH, wash & ream tight hole f/ 3200m to bottom, drill ahead to 3500m + -

PERSONNEL ON SITE: 40

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

AFD's: 80 **SAFETY** 1. Toolbox meeting 2. **WEATHER AM** Fine **PM** Showers

BIT INFORMATION

WOB(kLb)	2-4	**JET V(fps)**	91
RPM	200	**H S I**	0.41
BIT NUMBER		**RR4**	
Size (in)		6.0	
Make		Hyc	
Type		DSX516M	
IADC Code		PDC	
Serial Number		114752	
T.F.A.(")		0.863	
Depth In (m)		3207	
Depth Out (m)			
Total Meters			
Hours			
ROP			
Condition Out			

FLOW DATA

CIRC. RATE (gpm)	244
AV - DP (fpm)	252
AV - DC (fpm)	445
SPP (psi)	3150
SPP (calculated)	

PUMP #1		**PUMP #2**	
8-P-80		**8-P-80**	
RATE	58	**RATE**	58
LINER	5.0"	**LINER**	5.0"
STROKE	8.5"	**STROKE**	8.5"
SCR: 580 @ 40		SCR: 980 @ 60	

SURVEYS

1.48° at 3263m	2.89° at 3311m
2.6° at 3282m	1.86° at 3349m
1.86° at 3292m	3.0° at 3370m

BHA # 10

TOOL	**LENGTH**
DSX516M-B1, RR4	0.19
P100XL 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)	32.6
STRING WT (kLb)	175.1
HOOK LOAD (kLb)	180.0
WT BELOW JARS (kLb)	
DRAG UP (kLb)	200.0
DRAG DOWN (kLb)	185.0
TORQUE ON (Amps/Rel.)	5900
TORQUE OFF (Amps/Rel.)	3500

BULK PRODUCTS

FUEL ON SITE	36935 Litres
DAILY USAGE	8100 Litres
CUM. FUEL USED	157953 Litres
BARITES ON SITE	50 kg
BARITES USED	250 kg
MUD MIXED	4902 Bbls
MUD LOSSES	3906 Bbls

MUD PROPERTIES

Time	2300
Depth (m)	3357
Temp (° C)	54
Mud Type	KCL/PHPA/POL
Density (ppg)	11.20
ECD (ppg)	
Viscosity (sec)	36
PV / YP (cp/lb)	10 / 8
Gells (s/m)	1 / 2
API Filt. (cc)	4.4
Cake (/32")	1
Solids (% Vol)	9.2
Sand (% Vol)	Tr
MBT	11
pH (strip)	9
Chlorides (mg/l)	175000
KCL (%)	6.5
PHPA (ppb)	0.7
ALC - 50 (K)	
Circ. Vol. (Bbl)	810

CHEMICAL USAGE

Barite	132
Caustic Soda	1
Defoamer	2

OPERATION

	HRS	**CUM**
BOP's / Wellhead		36.0
Cementing		8.5
Circ & Condition		35.5
Coring		
D/O Cement		12.5
Drilling	21.0	334.0
FIT / LOT		4.0
Handle BHA		13.0
Repairs		67.5
Rig Service	0.5	6.5
Rig up Csg./ Cmt.		11.0
Run Casing		32.5
Safety		1.5
Slip/Cut Drill Line		7.0
Survey	2.5	32.5
Test BOP		24.0
Tight hole / Fishing		
Tripping		189.5
Wait on Cement		24.5
Wash / Ream		5.0
Well Control		3.5
Well Test		
Wiper Trip		14.0
Wireline		8.5
Other		82.0
TOTALS	24.0	953.0

DAILY MUD COSTS	$1,424.10
CUM. MUD COSTS	**$138,887.09**
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	Slide f/ 3267m to 3279m, w/ controlled WOB & ROP, due to motor stalling & aggresive drilling
6:00	6:30	Survey @ 3263m, 1.48 deg., AZI = 232.23
6:30	7:00	Drill f/ 3279 to 3300m, rotating 60rpm, 250gpm = 130rpm, WOB = 3k > 4k (each conn. gas peaks to 4500 units, w/ traces of oil in mud)
7:00	7:30	Survey @ 3282.64, 2.6 deg., AZI = 228.60
7:30	11:30	Slide f/ 3300m to 3306m, 250gpm = 132rpm
11:30	12:00	Drill f/ 3306m to 3308m, rotate 70rpm, 250gpm = 130rpm, (total 200rpm) WOB = 3k
12:00	12:30	Rig Service & Survey @ 3292.43m, = 1.86, AZI = 259.15
12:30	14:30	Drill f/ 3308m to 3327m, rotating 70rpm, 250gpm = 130rpm, (total 200rpm), WOB = 2 > 3k
14:30	15:00	Circ. & survey @ 3311.56m, = 2.89 deg., AZI = 223.6
15:00	18:30	Drill f/ 3327m to 3356m, rotating 70rpm, 250gpm = 130rpm, (total 200rpm) WOB, = 3k
18:30	19:00	Circ. & survey @ 3341m, 1.99 deg., AZI = 256.98, orienate string / MWD for slide
19:00	0:00	Slide / 3356m to 3361m

MAXIMUM GAS:	4583% @ 3357m	**BACKGROUND GAS:**	%	**CONNECTION GAS:**	4570%	**TRIP GAS:**	%
SUPERVISOR:	Brian Marriott/Ray Ell	**GEOLOGIST:**	Dave Horner	**MUD CO:**	RMN Drilling Fluids		