DAILY DRILLING REPORT

21/09/2006

REPORT # 14

WELL	**Glenaire 01**	**24:00 DEPTH**	**2753m**	**24 HR PROG**	**268m**	**CUM. COSTS**	
RIG	Ensign # 32	**FORMATION**	Laira	**PTD**	3945m	**DAILY COSTS**	

OP's TO 06:00 Drill f/2548m to 2802m.. Surveys @2633m 6-1/2Deg N35W(uncorrected), @2719m 6-1/4Deg N45W(uncorrected)

REMARKS / FORWARD PLAN: Drilling ahead to 3002m TD…last survey show deviation holding at current parameters, next survey due at 2806m+ -

PERSONNEL ON SITE: 38

LAST CASING	9 5/8"	**SET AT**	1252m	**LOT**	13.5ppg	**MAASP**	**872psi**	**BOP TEST**	16/09/2006	**TEST DUE**	30/09

AFD's: 54

SAFETY
1. Pretour Lifting and carrying
2. Pretour Revised procedures for tongs

WEATHER AM fine
PM fine

BIT INFORMATION

WOB(kLb)	5-7	**JET V(fps)**	264
RPM	227	**H S I**	2.73
BIT NUMBER		**4**	
Size (in)		8.5	
Make		Hyc	
Type		DSX519M	
IADC Code		PDC	
Serial Number		211741	
T.F.A.(")		0.552	
Depth In (m)		2386	
Depth Out (m)		IN	
Total Meters		367	
Hours		28.5	
ROP		12.9	
Condition Out			

FLOW DATA

CIRC. RATE (gpm)	454
AV - DP (fpm)	214
AV - DC (fpm)	371
SPP (psi)	1750
SPP (calculated)	2090

PUMP #1		**PUMP #2**	
8-P-80		**8-P-80**	
RATE	108	**RATE**	108
LINER	5.0"	**LINER**	5.0"
STROKE	8.5"	**STROKE**	8.5"
SCR: 220 @ 40		SCR: 320 @ 60	

SURVEYS

6.5° at 2633m	
6.25° at 2719m	

BHA # 4

TOOL	**LENGTH**
8.5	0.23
Mud Motor	8.58
NMDC	9.33
1x6-1/4" dc	9.42
Stab.	1.14
11x6-1/4" dc's	102.73
Jars	9.74
3x6-1/4" dc's	27.31
12xHWDP	114.65
BHA LENGTH (m)	283.13
BHA WEIGHT(kLb)	50.5
STRING WT (kLb)	181.4
HOOK LOAD (kLb)	212.0
WT BELOW JARS (kLb)	
DRAG UP (kLb)	213.0
DRAG DOWN (kLb)	203.0
TORQUE ON (Amps/Rel.)	6929
TORQUE OFF (Amps/Rel.)	6400

BULK PRODUCTS

FUEL ON SITE	40900 Litres
DAILY USAGE	5750 Litres
CUM. FUEL USED	60421 Litres
BARITES ON SITE	-125 kg
BARITES USED	125 kg
MUD MIXED	3892 Bbls
MUD LOSSES	2855 Bbls

MUD PROPERTIES

Time	2215
Depth (m)	2734
Temp (° C)	56
Mud Type	KCl/PHPA/POL
Density (ppg)	9.40
ECD (ppg)	9.70
Viscosity (sec)	48
PV / YP (cp/lb)	13 / 16
Gells (s/m)	4 / 16
API Filt. (cc)	7.8
Cake (/32")	1
Solids (% Vol)	5.4
Sand (% Vol)	0.25
MBT	20
pH (strip)	9.5
Chlorides (mg/l)	28600
KCL (%)	5.9
PHPA (ppb)	1.07
ALC - 50 (K)	
Circ. Vol. (Bbl)	975

CHEMICAL USAGE

AMC Pac- LV	5
Biocide G	1
Caustic Soda	1
PHPA	4
Soda Ash	4
Sodium Sulphite	2
KCL	84
Citric Acid	6

OPERATION

	HRS	**CUM**
BOP's / Wellhead		22.5
Cementing		5.5
Circ & Condition		10.0
Coring		
D/O Cement		9.5
Drilling	20.5	158.0
FIT / LOT		1.0
Handle BHA		2.5
Repairs		7.5
Rig Service	0.5	3.0
Rig up Csg./ Cmt.		7.0
Run Casing		19.0
Safety		1.0
Slip/Cut Drill Line		2.0
Survey	2.0	11.5
Test BOP		8.5
Tight hole / Fishing		
Tripping		28.5
Wait on Cement		5.0
Wash / Ream		2.0
Well Control		1.0
Well Test		
Wiper Trip		11.0
Wireline		
Other	1.0	13.0
TOTALS	24.0	329.0

DAILY MUD COSTS	$3,680.85
CUM. MUD COSTS	**$68,390.55**
AFE COST - C&S	
AFE COST - P&A	
AFE COST - C&C	

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	Description
0:00	0:30	Drill 8-1/2" hole f/ 2485m to 2497m
0:30	1:30	Circ. & survey @ 2488m, miss run
1:30	3:00	Drill f/ 2497m to 2526m
3:00	4:00	Circ. & survey @ 2517m, 5-1/2 deg., N10W, AZI = 357
4:00	10:30	Control Drill 8.5" f/2526m to 2613m.
10:30	11:00	Service rig
11:00	13:00	Control drill 8.5" f/2613m to 2642m
13:00	13:30	Circulate and run directional survey at 2633m Dev 6.5Deg N35W uncorrected
13:30	21:00	Control drill f/2642m to 2728m with 5k WOB and 227RPM
21:00	21:30	Circ & survey @ 2719m Dev 6.25Deg N45W
21:30	0:00	Control drill f/2728m to 2753m with 5 k WOB and 227RPM

MAXIMUM GAS:	109% @ 2737m	**BACKGROUND GAS:**	20-35%	**CONNECTION GAS:**	0%	**TRIP GAS:**	0%
SUPERVISOR:	Barry Beetson	**GEOLOGIST:**	Dave Horner	**MUD CO:**	RMN Drilling Fluids		