DAILY DRILLING REPORT

22/09/2006

REPORT # 15

WELL	**Glenaire 01**	**24:00 DEPTH**	**2934m**	**24 HR PROG**	**181m**	**CUM. COSTS**	**$71,221**
RIG	Ensign # 32	**FORMATION**	Laira	**PTD**	3945m	**DAILY COSTS**	$2,830.08

OP's TO 06:00 Drill ahead f/2753m to 2934m, surveys @2806m 5.25 deg N53W, @2893m 4.75deg N50W, lubricate rig, fix RPM sensor

REMARKS / FORWARD PLAN: Hole straightening up, ROP down to 5m/hr at times due to formation

PERSONNEL ON SITE: **38**

LAST CASING	9 5/8"	**SET AT**	1252m	**LOT**	13.5ppg	**MAASP**	**883psi**	**BOP TEST**	16/09/2006	**TEST DUE**	30/09

AFD's: 55

SAFETY
1. Pretour: review verbal shift handover
2. Pretour: review crown saver and emergency brake

WEATHER AM rain
PM showers clearing

BIT INFORMATION

WOB(kLb)	5-6	**JET V(fps)**	264
RPM	210	**H S I**	2.72
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		548	
Hours		49.5	
ROP		11.1	
Condition Out			

FLOW DATA

CIRC. RATE (gpm)	454
AV - DP (fpm)	214
AV - DC (fpm)	371
SPP (psi)	1800
SPP (calculated)	2150

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: 260 @ 40		SCR: 360 @ 60	

SURVEYS

5.25° at 2806m	
4.75° at 2893m	

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)	50.6
STRING WT (kLb)	191.1
HOOK LOAD (kLb)	220.0
WT BELOW JARS (kLb)	
DRAG UP (kLb)	225.0
DRAG DOWN (kLb)	212.0
TORQUE ON (Amps/Rel.)	7000
TORQUE OFF (Amps/Rel.)	5500

BULK PRODUCTS

FUEL ON SITE	36400 Litres
DAILY USAGE	4500 Litres
CUM. FUEL USED	64921 Litres
BARITES ON SITE	175 kg
BARITES USED	125 kg
MUD MIXED	3992 Bbls
MUD LOSSES	2973 Bbls

MUD PROPERTIES

Time	2200
Depth (m)	2917
Temp (° C)	60
Mud Type	KCl/PHPA/POL
Density (ppg)	9.35
ECD (ppg)	9.73
Viscosity (sec)	49
PV / YP (cp/lb)	13 / 19
Gells (s/m)	5 / 16
API Filt. (cc)	8.8
Cake (/32")	1
Solids (% Vol)	5.2
Sand (% Vol)	0.15
MBT	15
pH (strip)	10
Chlorides (mg/l)	29500
KCL (%)	5.8
PHPA (ppb)	1.07
ALC - 50 (K)	
Circ. Vol. (Bbl)	971

CHEMICAL USAGE

AMC Pac- LV	11
PHPA	2
Soda Ash	2
KCL	42

OPERATION

	HRS	**CUM**
BOP's / Wellhead		22.5
Cementing		5.5
Circ & Condition		10.0
Coring		
D/O Cement		9.5
Drilling	21.0	179.0
FIT / LOT		1.0
Handle BHA		2.5
Repairs	0.5	8.0
Rig Service	0.5	3.5
Rig up Csg./ Cmt.		7.0
Run Casing		19.0
Safety		1.0
Slip/Cut Drill Line		2.0
Survey	2.0	13.5
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		13.0
TOTALS	24.0	353.0

DAILY MUD COSTS	$2,830.08
CUM. MUD COSTS	**$71,220.63**
AFE COST - C&S	
AFE COST - P&A	
AFE COST - C&C	

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	Description
0:00	7:30	Control drill 8.5" f/2753m to 2815m
7:30	8:30	Circ & survey @ 2806m Dev 5.25Deg N53W
8:30	12:00	Control drill 8.5" f/2815m to 2844m
12:00	12:30	Lubricate rig
12:30	20:00	Control drill 8.5" f/2844m to 2902m
20:00	21:00	Circ & survey @ 2893m Dev 4.75Deg N50W
21:00	23:00	Control drill 8.5" f/2902m to 2931m
23:00	23:30	Tesco Attempt to fix RPM sensor
23:30	0:00	Control drill 8.5" f/2931m to 2934m

MAXIMUM GAS: 86% @ 2893m	**BACKGROUND GAS:** 20-35%	**CONNECTION GAS:** %	**TRIP GAS:** %
SUPERVISOR: Barry Beetson	**GEOLOGIST:** Dave Horner	**MUD CO:** RMN Drilling Fluids	