DAILY DRILLING REPORT

27/09/2006

REPORT # 20

WELL	Glenaire 01	**24:00 DEPTH**	3002m	**24 HR PROG**		**CUM. COSTS**	
RIG	Ensign # 32	**FORMATION**	Laira	**PTD**	3945m	**DAILY COSTS**	

OP's TO 06:00 Continue RIH DP from 1775m to 2952m. Break circulation and work pipe..Slip drill line..

REMARKS / FORWARD PLAN: Had Trouble testing pipe rams, had to change out. Fire and ESD drill conducted. 1 Hr downtime due to Tesco.

PERSONNEL ON SITE: 35

LAST CASING	7 "	**SET AT**	2998m	**LOT**		**MAASP**		**BOP TEST**	27/09/2006	**TEST DUE**	11/10

AFD's: 60

SAFETY
1. Pretour: collars and drill pipe picking up
2. Pretour: DP picking up, chaintongs, lifting

WEATHER AM fine
PM fine-cold

BIT INFORMATION

WOB(kLb)		**JET V(fps)**	
RPM		**H S I**	
BIT NUMBER		**6**	
Size (in)		6.0	
Make		Hyc	
Type		DSX516M	
IADC Code			
Serial Number		114752	
T.F.A.(")			
Depth In (m)		3002	
Depth Out (m)			
Total Meters			
Hours			
ROP			
Condition Out			

FLOW DATA

CIRC. RATE (gpm)	
AV - DP (fpm)	
AV - DC (fpm)	
SPP (psi)	
SPP (calculated)	

PUMP #1		**PUMP #2**	
8-P-80		**8-P-80**	
RATE		**RATE**	
LINER	5.0"	**LINER**	5.0"
STROKE	8.5"	**STROKE**	8.5"

SURVEYS

BHA # 6

TOOL	**LENGTH**
6	0.20
Mud Motor	7.25
Float sub	0.40
NMDC	9.29
String stab	1.42
14 x 4.75" DC's	132.53
Drilling jars	9.34
3 x DC's	28.30
9 x 3.5" HWDP	85.47
BHA LENGTH (m)	274.20
BHA WEIGHT(kLb)	29.7
STRING WT (kLb)	142.1
HOOK LOAD (kLb)	100.0
WT BELOW JARS (kLb)	20.1
DRAG UP (kLb)	
DRAG DOWN (kLb)	
TORQUE ON (Amps/Rel.)	
TORQUE OFF (Amps/Rel.)	

BULK PRODUCTS

FUEL ON SITE	46650 Litres
DAILY USAGE	2550 Litres
CUM. FUEL USED	82631 Litres
BARITES ON SITE	150 kg
BARITES USED	150 kg
MUD MIXED	4022 Bbls
MUD LOSSES	3249 Bbls

MUD PROPERTIES

Time	1700
Depth (m)	3002
Temp (° C)	--
Mud Type	KCl/PHPA/POL
Density (ppg)	9.45
ECD (ppg)	
Viscosity (sec)	46
PV / YP (cp/lb)	11 / 13
Gells (s/m)	3 / 16
API Filt. (cc)	7.4
Cake (/32")	1
Solids (% Vol)	5.6
Sand (% Vol)	TRC
MBT	15
pH (strip)	10.5
Chlorides (mg/l)	29500
KCL (%)	5.9
PHPA (ppb)	0.94
ALC - 50 (K)	
Circ. Vol. (Bbl)	732

CHEMICAL USAGE

OPERATION

	HRS	**CUM**
BOP's / Wellhead	0.5	36.0
Cementing		7.5
Circ & Condition		17.0
Coring		
D/O Cement		9.5
Drilling		188.0
FIT / LOT		1.0
Handle BHA	5.5	8.5
Repairs	1.0	10.0
Rig Service		3.5
Rig up Csg./ Cmt.		11.0
Run Casing		32.5
Safety		1.0
Slip/Cut Drill Line		3.0
Survey	0.5	17.0
Test BOP	6.0	17.0
Tight hole / Fishing		
Tripping	10.0	66.5
Wait on Cement		5.0
Wash / Ream		2.0
Well Control		1.0
Well Test		
Wiper Trip		14.0
Wireline		8.5
Other	0.5	13.5
TOTALS	24.0	473.0

DAILY MUD COSTS	
CUM. MUD COSTS	**$74,491.06**
AFE COST - C&S	
AFE COST - P&A	
AFE COST - C&C	

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	Description
0:00	1:00	Continue to RIH DP F/- 812m T/- 1032m
1:00	2:00	POOH and rack back stands (35 stands)
2:00	3:00	Install HCR line. Load racks with BHA and strap and caliper.
3:00	9:00	Pressure test BOP 200/4800psi (annular 200/2000psi)
9:00	9:30	Install Wear Bushing
9:30	12:00	M/U BHA and RIH t/-196m
12:00	12:30	Test Survey Equipment (fail, won't drift DCs)
12:30	13:30	POOH F/- 196m T/- 17m to relocate stab
13:30	14:30	RIH F/-17m T/- 188m. Test survey Equipment
14:30	16:30	PJSM, Pick up from catwalk and RIH F/- 188m T/- 532m
16:30	17:00	Tesco downtime: Centre top drive torque track
17:00	17:30	Fire Drill and test ESDs
17:30	18:00	Tesco downtime: change dies
18:00	0:00	RIH F/- 532m T/- 1775m

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