DAILY DRILLING REPORT

28/09/2006

REPORT # 21

WELL	**Glenaire 01**	**24:00 DEPTH**	**3103m**	**24 HR PROG**	**101m**	**CUM. COSTS**	
RIG	Ensign # 32	**FORMATION**	Laira	**PTD**	3945m	**DAILY COSTS**	

OP's TO 06:00 Continue to Drill 6" hole F/-3103 T/3156 mm. Survey @ 3108m 8.5deg N25W (uncorrected);Hi gas reading associated with pit gain. Flow check.Not flowing. Circulate increase Mud wt to 9.8ppg. Drill ahead to 3165m

REMARKS / FORWARD PLAN: BOP drill (29secs for Well control) Hydraulic choke tested by pumping fluid through. Tesco downtime yesterday only 1/2 hr, not 1hr.

PERSONNEL ON SITE: 35

LAST CASING	7 "	**SET AT**	2998m	**LOT**	13.8ppg	**MAASP**	**2226psi**	**BOP TEST**	27/09/2006	**TEST DUE**	11/10

AFD's: 61 **SAFETY** 1. Pretour: Pressure Testing; 2. Pretour: mudlosses, rotation equipment.

WEATHER AM Fine
PM Fine

BIT INFORMATION

WOB(kLb)	4-5	**JET V(fps)**	111
RPM	130	**H S I**	0.56
BIT NUMBER		**6**	
Size (in)		6.0	
Make		Hyc	
Type		DSX516M	
IADC Code		PDC	
Serial Number		114752	
T.F.A.(")		0.752	
Depth In (m)			
Depth Out (m)		IN	
Total Meters		3103	
Hours		9.5	
ROP		326.6	
Condition Out			

FLOW DATA

CIRC. RATE (gpm)	261
AV - DP (fpm)	269
AV - DC (fpm)	476
SPP (psi)	2900
SPP (calculated)	

PUMP #1		**PUMP #2**	
8-P-80		**8-P-80**	
RATE	62	**RATE**	62
LINER	5.0"	**LINER**	5.0"
STROKE	8.5"	**STROKE**	8.5"
SCR: 640 @ 40		SCR: 1040 @ 60	

SURVEYS

6.75° at 3020m	

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)	146.2
HOOK LOAD (kLb)	180.0
WT BELOW JARS (kLb)	20.1
DRAG UP (kLb)	185.0
DRAG DOWN (kLb)	175.0
TORQUE ON (Amps/Rel.)	2800
TORQUE OFF (Amps/Rel.)	1800

BULK PRODUCTS

FUEL ON SITE	42800 Litres
DAILY USAGE	3850 Litres
CUM. FUEL USED	86481 Litres
BARITES ON SITE	125 kg
BARITES USED	175 kg
MUD MIXED	4052 Bbls
MUD LOSSES	3270 Bbls

MUD PROPERTIES

Time	2215
Depth (m)	3082
Temp (° C)	54
Mud Type	KCl/PHPA/POL
Density (ppg)	9.45
ECD (ppg)	
Viscosity (sec)	52
PV / YP (cp/lb)	12 / 19
Gells (s/m)	4 / 16
API Filt. (cc)	8.7
Cake (/32")	1
Solids (% Vol)	6
Sand (% Vol)	TRC
MBT	15
pH (strip)	11
Chlorides (mg/l)	28000
KCL (%)	5.8
PHPA (ppb)	0.9
ALC - 50 (K)	
Circ. Vol. (Bbl)	770

CHEMICAL USAGE

AMC Pac- LV	12
Defoamer	1
Soda Ash	12
Citric Acid	4

OPERATION

	HRS	**CUM**
BOP's / Wellhead		36.0
Cementing		7.5
Circ & Condition	1.5	18.5
Coring		
D/O Cement	2.5	12.0
Drilling	9.5	197.5
FIT / LOT	3.0	4.0
Handle BHA		8.5
Repairs		10.0
Rig Service		3.5
Rig up Csg./ Cmt.		11.0
Run Casing		32.5
Safety		1.0
Slip/Cut Drill Line	0.5	3.5
Survey	0.5	17.5
Test BOP	1.0	18.0
Tight hole / Fishing		
Tripping	5.5	72.0
Wait on Cement		5.0
Wash / Ream		2.0
Well Control		1.0
Well Test		
Wiper Trip		14.0
Wireline		8.5
Other		13.5
TOTALS	24.0	497.0

DAILY MUD COSTS	$2,578.76
CUM. MUD COSTS	**$77,069.82**
AFE COST - C&S	
AFE COST - P&A	
AFE COST - C&C	

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	Description
0:00	5:30	RIH F/-1775m T/-2953
5:30	6:00	Slip 66ft drill line
6:00	7:00	Wash down F/- 2953m to TOC@ 2963m. Drill cement to 2981m
7:00	7:30	Circ and clean hole
7:30	9:30	Pressure test casing to 3500psi for 10mins
9:30	10:00	Perform Koomey Function test
10:00	10:30	BOP drill and circ through choke. Well controlled in 29secs.
10:30	12:00	Drill cement F/- 2981m T/- 3002m. Tag float @ 2985m, Tag shoe at 2998m
12:00	12:30	Drill new 6" hole F/-3002m T/-3005m
12:30	13:30	Circ bottoms up
13:30	14:30	LOT with 9.5ppg mud L/off @ 2275psi EMW 13.8ppg. (Program was for FIT to 3300psi but leak off prior)
14:30	17:00	Drill 6" hole F/- 3005m T/- 3038m
17:00	17:30	Circulate then run directional survey @ 3020m 6.75deg N35W uncorrected
17:30	0:00	Drill F/- 3038m T/-3103m

MAXIMUM GAS:	245% @ 3006m	**BACKGROUND GAS:**	60-80%	**CONNECTION GAS:**	%	**TRIP GAS:**	%
SUPERVISOR:	Barry Beetson	**GEOLOGIST:**	Dave Horner	**MUD CO:**	RMN Drilling Fluids		