DAILY DRILLING REPORT

19/09/2006

REPORT # 12

WELL	**Glenaire 01**	**24:00 DEPTH**	**2365m**	**24 HR PROG**	**240m**	**CUM. COSTS**	
RIG	Ensign # 32	**FORMATION**	Laira	**PTD**	3945m	**DAILY COSTS**	

OP's TO 06:00: Complete wiper trip, hole in good shape, light wash & ream last stand to bottom @ 2154m, Drill ahead f/ 2154m to 2386m, taking surveys as required, surv. @ 2374m = 6 deg, circ., POOH to run a Pendalum Ass., hole slick

REMARKS / FORWARD PLAN: Received 51x26lb/ft jnt's 7"csg. >/> POOH to run a Pendalum assembly, RIH, drill ahead to 3000m + -, taking surveys as required

PERSONNEL ON SITE: 33

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

AFD's: 52

SAFETY
1.
2. Toolbox talk daily

WEATHER AM overcast
PM rain

BIT INFORMATION

WOB(kLb)	3-6	**JET V(fps)**	264
RPM	200	**H S I**	2.70
BIT NUMBER		**3**	
Size (in)		8.5	
Make		Hyc	
Type		DSX519M	
IADC Code		PDC	
Serial Number		211741	
T.F.A.(")		0.552	
Depth In (m)		1255	
Depth Out (m)		IN	
Total Meters		1110	
Hours		60.5	
ROP		18.3	
Condition Out			

FLOW DATA

CIRC. RATE (gpm)	454
AV - DP (fpm)	214
AV - DC (fpm)	371
SPP (psi)	1600
SPP (calculated)	1640

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: 240 @ 40		SCR: 320 @ 60	

SURVEYS

5.0° at 2288m	
6.0° at 2374m	

BHA # 3

TOOL	**LENGTH**
8.5 Bit	0.23
NBS	1.26
Mud Motor	9.58
Stab	1.14
NMDC	8.33
Stab	1.14
15x6.5" dc's	112.15
Drilling Jars	9.74
3x6.25 dc's	27.31
12xHWDP	114.65
BHA LENGTH (m)	285.53
BHA WEIGHT(kLb)	51.5
STRING WT (kLb)	64.6
HOOK LOAD (kLb)	191.0
WT BELOW JARS (kLb)	31.9
DRAG UP (kLb)	192.0
DRAG DOWN (kLb)	191.0
TORQUE ON (Amps/Rel.)	5000
TORQUE OFF (Amps/Rel.)	3400

BULK PRODUCTS

FUEL ON SITE	23800 Litres
DAILY USAGE	6050 Litres
CUM. FUEL USED	50468 Litres
BARITES ON SITE	-125 kg
BARITES USED	125 kg
MUD MIXED	3626 Bbls
MUD LOSSES	2699 Bbls

MUD PROPERTIES

Time	2150
Depth (m)	2349
Temp (° C)	54
Mud Type	KCl/PHPA/POL
Density (ppg)	9.30
ECD (ppg)	9.65
Viscosity (sec)	46
PV / YP (cp/lb)	12 / 17
Gells (s/m)	5 / 14
API Filt. (cc)	7.6
Cake (/32")	1
Solids (% Vol)	4.7
Sand (% Vol)	0.25
MBT	16.3
pH (strip)	9.6
Chlorides (mg/l)	27700
KCL (%)	5.9
PHPA (ppb)	1.05
ALC - 50 (K)	
Circ. Vol. (Bbl)	828

CHEMICAL USAGE

AMC Pac- LV	5
Biocide G	1
Caustic Soda	1
PHPA	2
Soda Ash	4
Sodium Sulphite	4
Xanthan Gum	2
KCL	42

OPERATION

	HRS	**CUM**
BOP's / Wellhead		22.5
Cementing		5.5
Circ & Condition	0.5	9.5
Coring		
D/O Cement		9.5
Drilling	17.5	125.5
FIT / LOT		1.0
Handle BHA		1.0
Repairs	1.0	7.5
Rig Service	0.5	2.5
Rig up Csg./ Cmt.		7.0
Run Casing		19.0
Safety		1.0
Slip/Cut Drill Line		1.5
Survey	1.0	9.0
Test BOP		8.5
Tight hole / Fishing		
Tripping		20.0
Wait on Cement		5.0
Wash / Ream	0.5	1.5
Well Control		1.0
Well Test		
Wiper Trip	3.0	11.0
Wireline		
Other		12.0
TOTALS	24.0	281.0

DAILY MUD COSTS	$2,992.75
CUM. MUD COSTS	**$61,494.62**
AFE COST - C&S	
AFE COST - P&A	
AFE COST - C&C	

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	Description
0:00	2:00	Drill f/ 2125m to 2154m
2:00	2:30	Sweep Hi Vis, Circ.
2:30	3:00	Run survey @ 2142m, 3-1/4 deg., N25E, AZI = 32
3:00	6:00	Flow check, wiper trip to 9-5/8" shoe, hole slick, RIH
6:00	6:30	Light wash & ream last stand to bottom, f/ 2127m to 2154m
6:30	9:00	Drill ahead 8-1/2" hole f/ 2154m to 2212m
9:00	9:30	TDS failed, circ. whilst fault find, found load nut ajustment bolt hole elongated, which allows the load to come in contact with the quill.
9:30	10:00	Contact TDS main office to varify problem, instructed to drill ahead
10:00	15:30	Drill f/ 2212m to 2299m
15:30	16:00	Rig service
16:00	16:30	Survey @ 2288m, 5 deg, N10E, AZI = 17
16:30	0:00	Drill f/ 2299m to 2365m

MAXIMUM GAS:	89% @ 2154m	**BACKGROUND GAS:**	%	**CONNECTION GAS:**	0%	**TRIP GAS:**	0%
SUPERVISOR:	Brian Marriott	**GEOLOGIST:**	Dave Horner	**MUD CO:**	RMN Drilling Fluids		