DAILY DRILLING REPORT

23/09/2006

REPORT # 16

WELL	**Glenaire 01**	**24:00 DEPTH**	**3002m**	**24 HR PROG**	**68m**	**CUM. COSTS**	**$71,909**
RIG	Ensign # 32	**FORMATION**	Laira	**PTD**	3945m	**DAILY COSTS**	$688.20

OP's TO 06:00	Logging with Schlumberger,run 1#,Hals/Sonic/GR		
REMARKS / FORWARD PLAN:	Caliper failed. Tool POH and caliper isolated and head checked.Logging ahead. No backup for caliper on site	**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: 56	**SAFETY**	1. Pretour Inspection pretrip	**WEATHER AM**	overcast
		2. Pretour Tripping out	**PM**	showers

BIT INFORMATION			
WOB(kLb)	5-6	**JET V(fps)**	264
RPM	210	**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)		3002	
Total Meters		616	
Hours		58.5	
ROP		10.5	
Condition Out		1 1 NO A X I RR TD	
FLOW DATA			
CIRC. RATE (gpm)		454	
AV - DP (fpm)		214	
AV - DC (fpm)		371	
SPP (psi)		1820	
SPP (calculated)		2130	
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: 370 @ 60	
SURVEYS			
6.25° at 2989m			

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)	194.5
HOOK LOAD (kLb)	222.0
WT BELOW JARS (kLb)	
DRAG UP (kLb)	227.0
DRAG DOWN (kLb)	214.0
TORQUE ON (Amps/Rel.)	5375
TORQUE OFF (Amps/Rel.)	4700
BULK PRODUCTS	
FUEL ON SITE	29600 Litres
DAILY USAGE	6800 Litres
CUM. FUEL USED	71721 Litres
BARITES ON SITE	175 kg
BARITES USED	125 kg
MUD MIXED	3992 Bbls
MUD LOSSES	3029 Bbls

MUD PROPERTIES	
Time	1500
Depth (m)	3002
Temp (° C)	59
Mud Type	KCl/PHPA/POL
Density (ppg)	9.40
ECD (ppg)	9.74
Viscosity (sec)	49
PV / YP (cp/lb)	12 / 19
Gells (s/m)	4 / 16
API Filt. (cc)	8.5
Cake (/32")	1
Solids (% Vol)	5.3
Sand (% Vol)	0.1
MBT	15
pH (strip)	10
Chlorides (mg/l)	29400
KCL (%)	5.8
PHPA (ppb)	0.98
ALC - 50 (K)	
Circ. Vol. (Bbl)	987
CHEMICAL USAGE	
Barite	72
Caustic Soda	2

OPERATION	**HRS**	**CUM**
BOP's / Wellhead		22.5
Cementing		5.5
Circ & Condition	2.0	12.0
Coring		
D/O Cement		9.5
Drilling	9.0	188.0
FIT / LOT		1.0
Handle BHA	0.5	3.0
Repairs		8.0
Rig Service		3.5
Rig up Csg./ Cmt.		7.0
Run Casing		19.0
Safety		1.0
Slip/Cut Drill Line		2.0
Survey	1.0	14.5
Test BOP		8.5
Tight hole / Fishing		
Tripping	6.5	35.0
Wait on Cement		5.0
Wash / Ream		2.0
Well Control		1.0
Well Test		
Wiper Trip	3.0	14.0
Wireline	2.0	2.0
Other		13.0
TOTALS	24.0	377.0
DAILY MUD COSTS		$688.20
CUM. MUD COSTS		**$71,908.83**
AFE COST - C&S		
AFE COST - P&A		
AFE COST - C&C		

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	Description
0:00	9:00	Control drill 8.5" f/2934m to 3002m with 5-6K WOB and 220 RPM
9:00	10:00	Circulate hole clean
10:00	11:00	Directional survey at 2989mtrs- 6.25DegN45W
11:00	12:30	Flow check, pump pill, POH to 2324m. Flow checking at 5 and 10 std out
12:30	14:00	RIH to 2989m., precautionary wash to bottom, 4 mtrs fill
14:00	15:00	Circulate hole clean
15:00	21:30	Flow check, pump pill, POH to Log Flow checking at 5 and 10 std shoe and BHA. Layout stab and monel
21:30	22:00	Service mud motor and layout
22:00	23:00	Clear rig floor, hold PJSM, Rig up Schlumberger
23:00	0:00	Makeup Run 1# HALS/SONIC/GR, tools in hole at 23:10hrs

MAXIMUM GAS:	217% @ 2989m	**BACKGROUND GAS:**	30-40%	**CONNECTION GAS:**	%	**TRIP GAS:**	70%
SUPERVISOR:	Barry Beetson	**GEOLOGIST:**	Dave Horner	**MUD CO:**	RMN Drilling Fluids		