



DAILY DRILLING REPORT

16/10/2006

REPORT # 39

WELL	Glenaire 01 ST1	24:00 DEPTH	3267m	24 HR PROG	60m	CUM. COSTS	
RIG	Ensign # 32	FORMATION	Laira	PTD	3945m	DAILY COSTS	
OP's TO 06:00	RIH to shoe, slip & cut, wash f/ 3007m to bottom @ 3207m, drill f/ 3207m to 3217m, 4956 units of gas, stop drilling & circ. out, drill f/ 3217 to 3267m taking surveys as required						
REMARKS / FORWARD PLAN:	Slide f/ 3267m to 3279m @ 06:00hrs, (controlled WOB & ROP, due to motor stalling & aggressive drilling)					PERSONNEL ON SITE:	40
LAST CASING	7 "	SET AT	2998m	LOT	13.8ppg	MAASP	1382psi
		BOP TEST	11/10/2006	TEST DUE	25/10		
AFD's: 79	SAFETY	1. Toolbox meeting 2.				WEATHER AM	Fine
					PM	Fine	

BIT INFORMATION				BHA # 10		MUD PROPERTIES		OPERATION	HRS	CUM
WOB(kLb)	2-5	JET V(fps)	92	TOOL	LENGTH	Time	2400	BOP's / Wellhead		36.0
RPM	192	H S I	0.43	DSX516M-B1, RR4	0.19	Depth (m)	3267	Cementing		8.5
BIT NUMBER	RR4			P100XL Mud Motor	6.79	Temp (° C)	51	Circ & Condition	0.5	35.5
Size (in)	6.0			Float sub	0.52	Mud Type	KCL/PHPA/POI	Coring		
Make	Hyc			MWD NM pony collar	1.94	Density (ppg)	11.10	D/O Cement		12.5
Type	DSX516M			MWD collar	10.30	ECD (ppg)		Drilling	14.0	313.0
IADC Code	PDC			NMDC	9.30	Viscosity (sec)	34	FIT / LOT		4.0
Serial Number	114752			11xDC's	104.08	PV / YP (cp/lb)	8 / 6	Handle BHA		13.0
T.F.A.(°)	0.863			Jars	9.34	Gells (s/m)	1 / 1	Repairs		67.5
Depth In (m)	3207			3xDCs	28.30	API Filt. (cc)	4.6	Rig Service	1.0	6.0
Depth Out (m)	3207			9xHWDP	85.50	Cake (/32")	2	Rig up Csg./ Cmt.		11.0
Total Meters						Solids (% Vol)	8.6	Run Casing		32.5
Hours						Sand (% Vol)	0.1	Safety		1.5
ROP						MBT	12	Slip/Cut Drill Line	1.0	7.0
Condition Out				BHA LENGTH (m)	256.26	pH (strip)	9	Survey	2.0	30.0
FLOW DATA				BHA WEIGHT(kLb)	32.6	Chlorides (mg/l)	177000	Test BOP		24.0
CIRC. RATE (gpm)	248			STRING WT (kLb)	171.1	KCL (%)	7.5	Tight hole / Fishing		
AV - DP (fpm)	256			HOOK LOAD (kLb)	180.0	PHPA (ppb)	0.7	Tripping	3.5	189.5
AV - DC (fpm)	453			WT BELOW JARS (kLb)		ALC - 50 (K)		Wait on Cement		24.5
SPP (psi)	3080			DRAG UP (kLb)	185.0	Circ. Vol. (Bbl)	778	Wash / Ream	2.0	5.0
SPP (calculated)				DRAG DOWN (kLb)	175.0	CHEMICAL USAGE		Well Control		3.5
PUMP #1	PUMP #2			TORQUE ON (Amps/Rel.)	4100	AMC Pac- LV	6	Well Test		
8-P-80	8-P-80			TORQUE OFF (Amps/Rel.)	3050	Barite	981	Wiper Trip		14.0
RATE	59	RATE	59	BULK PRODUCTS		Biocide G	3	Wireline		8.5
LINER	5.0"	LINER	5.0"	FUEL ON SITE	27000 Litres	Caustic Soda	2	Other		82.0
STROKE	8.5"	STROKE	8.5"	DAILY USAGE	4000 Litres	Defoamer	1	TOTALS	24.0	929.0
SCR: 540 @ 40	SCR: 920 @ 60			CUM. FUEL USED	149853 Litres	NaCl	174	DAILY MUD COSTS		\$17,180.13
SURVEYS				BARITES ON SITE	100 kg	PHPA	3	CUM. MUD COSTS		\$137,462.99
		0.92° at 3249m		BARITES USED	200 kg	Sodium Sulphite	3	AFE COST - C&S		
1.0° at 3206m				MUD MIXED	4902 Bbbls	Xanthan Gum	7	AFE COST - P&A		
0.69° at 3234m				MUD LOSSES	3828 Bbbls	KCL	153	AFE COST - C&C		

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	Description
0:00	3:30	Cont. RIH , break circ. every 25 std's, run to shoe @ 2998 m
3:30	4:30	Slip & cut drilling line
4:30	5:30	Rig service, circ. bottoms up while service rig, 2491 units gas on bottoms up
5:30	7:30	Cont. RIH, light wash & ream f/ 3007m to 3207m, max gas on bottoms up = 300 units
7:30	8:00	Drill ahead f/ 3207m to 3217m, rotating 60rpm, 250gpm = 130rpm, WOB = 3k > 5k, gas peaked @ 4956 units
8:00	8:30	Stop drilling, Circ. out gas, circ. w/ continuous 4500 units for 10 minutes, commence to wt. up f/ 10.8ppg + to 11.00ppg w/ barite
8:30	9:00	Drill ahead f/ 3217m to 3221m (intermittent gas peaks f/ 2000 to 4500 units)
9:00	9:30	Circ. & survey @ 3206.34, > 1 deg., > AZI = 172.45 (note; angle dropped due to additional circulating over last #2 days)
9:30	11:00	Slide f/ 3221m to 3225m, motor stalling out, pressure increase, tool hanging up, suspend sliding operation
11:00	13:00	Drill f/ 3225m to 3243m, rotating 60rpm, WOB = 2 to 3k
13:00	13:30	Recycle tool & orientate tool face
13:30	20:30	Slide f/ 3243m to 3250m, 250gpm = 132rpm, (controlled ROP & WOB)
20:30	21:00	Take SCR's, flow check, make connection, conduct Survey @ 3234m, 0.60 deg., AZI = 350.93
21:00	22:30	Drill f/ 3250m to 3265m, rotating 60rpm, 250gpm = 132rpm, WOB = 2k > 5k
22:30	23:00	Survey @ 3249m, 0.92 deg., AZI = 242.06
23:00	0:00	Slide f/ 3265m to 3267m, w/ controlled WOB & ROP, due to motor stalling & aggressive drilling

MAXIMUM GAS:	4956% @ 3215m	BACKGROUND GAS:	%	CONNECTION GAS:	4465%	TRIP GAS:	4709%
SUPERVISOR:	Brian Marriott/Ray Ell		GEOLOGIST:	Dave Horner		MUD CO:	RMN Drilling Fluids