ROWE

GAMMA RAY NEUTRON DENSITY LOG

Company	ROWE ENTERPRISES LTD. CHEVRON & ROBERTS GROUP
Well	Date: 1987 Time: N/A ROWE COMPUTER
Field	LOCATION: CHEVRON ROBERTS LAKE
Log Interval	0 - 160 Depth Control: DRILLER
Casing Driller	0 Casing Logger: 0
Bit Size	7.875 Type Fluid: WATER
Density	1.0 Viscosity: 0
Fluid Loss	0 Source of Sample: CIRCULATION
Rm @ Meas. Temp.	0 @ 0 Rmf @ Meas. Temp. 0 @ 0
Rmc @ Meas. Temp.	0 @ 0 Source: Rmf 0 Rmc 0
Rm @ BHT	0 @ 0 Time Since Circ. 0
Max. Rec. Temp.	0 Equipment No. 0
Location	Logging Date: 0
Recorded By	Witnessed By: 0

RUN NO. 1 | DATE: 0 | SCALE: 1

FIELD COPY

EQUIPMENT

SURFACE EQUIPMENT

LOGGING UNIT:	51 /	NONE COMPUTER:	01 / 04	PRINTER:	04 /
CABLE MONITOR:	08 /	DATEL COMPUTER:	15 / 16	DATA:	/
CABLE SPOOLED:	310/ 310	DATEL PRINTER:	0.32 /	0.33 FLOPPY:	/
SECONDARY:		HARD DRIVE:		0.34 FLOPPY:	/

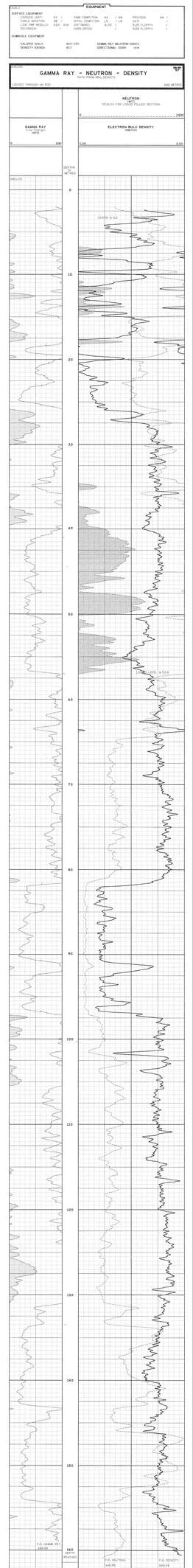
DOWNHOLE EQUIPMENT

CALIPER (CAL):	460/295	GAMMA RAY NEUTRON (GRN):	
DENSITY (DENS):	402	DIRECTIONAL (DIR):	004

GAMMA RAY - NEUTRON - DENSITY

DATA FROM DRILL DENSITY

LOGGED THROUGH HQ ROD 100 METRES



1:50 FORMAT VERS
W.S. TEST

FROM RAW DATA FILE(S): D:\LLLOGS\ 0:\LLLOGS\
1:50 FORMAT FILE(S): 1:\LLLOGS\
1:50 FORMAT FILE CREATED:

REFERENCES:

GR	CAL	CP3	CP4	CP5	CP6
0 API	0 CAL	0	0	0	0

RANGINGS:

GR	CAL	CP3	CP4	CP5	CP6
0	0.365	0	0.012	0	0.3
100	0.37	0	0.42	0	0.3

DEVMEL(FT):

TEST	CP3	CP4	CP5	CP6	CP7	CP8	CP9	CP10
0	0.0	0.0	0	0	0	0	0	0.0

RESONINGS:

TEST	CP3	CP4	CP5	CP6	CP7	CP8	CP9	CP10
0	0	0	0	0	0	0	0	0.2

OMEGAS:

TEST	GRC	GRO	ZCP	LWD	PWD	LT	LTO	LTOO	DA
0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0
1	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0
1F1	120	13	18	20	4	2	18	16	4

GAMMA RAY NEUTRON DENSITY LOG

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA, CANADA

LOGGER HQ ROD 100

Company:	CLINE MINING CORPORATION
Well:	50
Location:	SITE COORDINATE: N6466000 E6651714
Field:	LOGGEPOLE PROPERTY
County:	MOSTRO CO. MANA.
State:	
Country:	

Date: U
Type:
Run No: 1
Depth Driller: 2500
Depth Logger: 2500
Bottom Log Int.: 2500
Top Log Int.: Surface
Casing Driller: 20 @ 0
Casing Logger: 20 @ 0
Bit Size: 6 3/4
Type Fluid in Hole: WATER
Dens.: U
Visc.: U
pH: U
Fluid Loss: U
Source of Sample: U
Rm @ Meas. Temp.: U
Rmf @ Meas. Temp.: U
Rmc @ Meas. Temp.: U
Source: Rmf: U Rmc: U
Rm @ BHT: U
Time Since Circ.: U
Max. Rec. Temp.: U
Equip. No. Location: 20 EDM 05
Recorded By: G.SIGURASON
Witnessed By: R.W. MORRIS

Elev.: K.B.: U
D.F.: U
G.L.: 0

All Depths Measured From: ROTARY TABLE
Permanent Datum: GROUND LEVEL
Log Measured From: GROUND LEVEL
Drilling Measured From: GROUND LEVEL

SCALES
Type: LOGARITHMIC
Linear: 2 in/100 ft
Log: 2 cycles

EQUIPMENT

EQUIPMENT

SURFACE EQUIPMENT

LOGGING UNIT:	51 /	NEWS COMPUTER:	01	/ 04	PRINTER:	04 /	
CABLE MONITOR:	08 /	INTEL COMPUTER:	L5	/ L6	DATA	/	
LINE PWR MODULE:	310 310	SOFTWARE:	GL52	/	5.25 FLOPPY:	/	
RECORDER:	/	HARD DRIVE:		/	3.50 FLOPPY:	L5 / L6	

DOWNHOLE EQUIPMENT

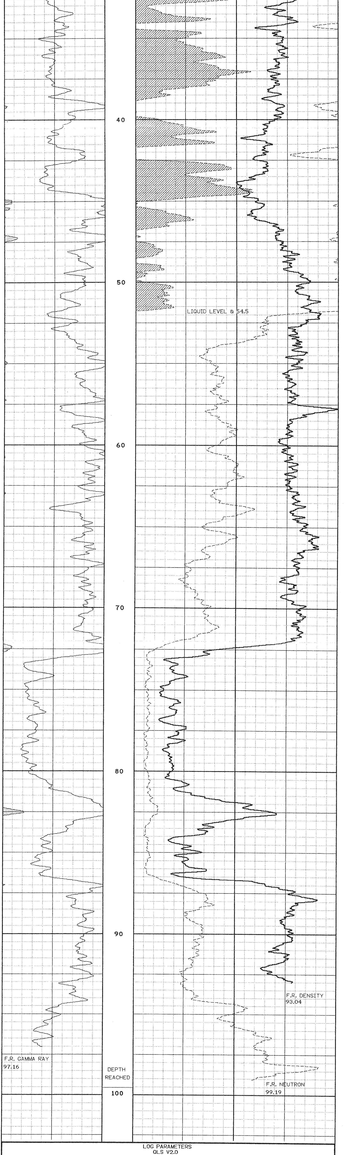
CALIPER (CAL):	460/785	GAMMA RAY NEUTRON (GRN):	
DENSITY (DEN):	457	DIRECTIONAL (DIR):	004
NEUTRON SOURCE:	N347		

CASING

GAMMA RAY - NEUTRON - DENSITY

DATA FROM GRN, DENSITY

LOGGED THROUGH HQ ROD — 100 METRES



LOG PARAMETERS
GLS V2.0

EXOR RAW DATA FILEISH D-1A1.RAW N-1A1.RAW
ASCIILASS FILEO 5000NLLAS
LOG FIGURE FILEO GMDF.IG

DONDENLCAL

CP1	CP2	CP3	CP4	CP5	CP6
0	1.058	2	1	0	0.04

DONGRNLCAL

CP1	CP2	CP3	CP4	CP5	CP6
0	0.576	2	0.871	0	0.1
0	0.34	3	0.42	0	0.1

DONDENSPEC

PRG	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
30	6.9945	0.90796	0	0	0	0	0	0	0	0.1

DONGRNSPEC

PRG	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
4	0	0	0	0	0	0	0	0	0	0.2
12	0	0	0	0	0	0	0	0	0	0.1

ONEFILE

MEM	SNS	ZER	LWB	RWB	LT	LC	LD1	LD2	DB
GRN	0.1	2	13	38	N	S	100	0	0
GR-1	10	0	0	10	N	S	100	0	0
N-1	120	13	13	33	N	O	16	16	6

Picture 28th 12 May '05

GAMMA RAY NEUTRON LOG

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA, CANADA

LOGGED HQ ROD HOLE

LSD	Company:	CLINE MINING CORPORATION	
SEC	Well:	503	
TWP	Location:	SITE COORDINATE N5464433 E665186.1	
RGE	Field:	LODGE POLE PROPERTY	
W 4	Province:	BRITISH COLUMBIA	SCALES
			100

Permanent Datum: GROUND LEVEL Elev: 2000 Metres A.S.L.
Log Measured From: GROUND LEVEL m Above Perm. Datum C.F.: m
Bot Depths Measured From: GROUND LEVEL GL: 2000 m m

Other Services:		GNJSC
Run No.	ONE (GAMMA RAY)	
Date	26 FEB 05	
Last Depth Logged	68.53	
Depth Logged	67.53	
Depth Reached	71.06	
Depth Driller	76.81	
Casing Size	6.3	
Casing Driller	6.	
Fluid Type	AIR/WATER	
Fluid Level	20.3	
Max. Diameter	96 MM BIT SIZE	
Op. Witnessed By	GNJMM & C	
Recording Time	17:00 - 19:00	
Max. Temperature	51	
Recorded By	A. STEFANESCU	
Witnessed By	R.J. MORRIS	

FIELD COPY

EQUIPMENT

EQ.BLC

SURFACE EQUIPMENT

LOGGING UNIT:	51 /	NIMS COMPUTER:	01 / 04	PRINTER:	04 /
CABLE MONITOR:	08 /	INTEL COMPUTER:	L5 / L6	DAT:	/
LINE PWR MODULE:	310 310	SOFTWARE:	QLS2 /	5.25 FLOPPY:	/
RECORDER:	/	HARD DRIVE:	/	3.50 FLOPPY:	/

DOWNHOLE EQUIPMENT

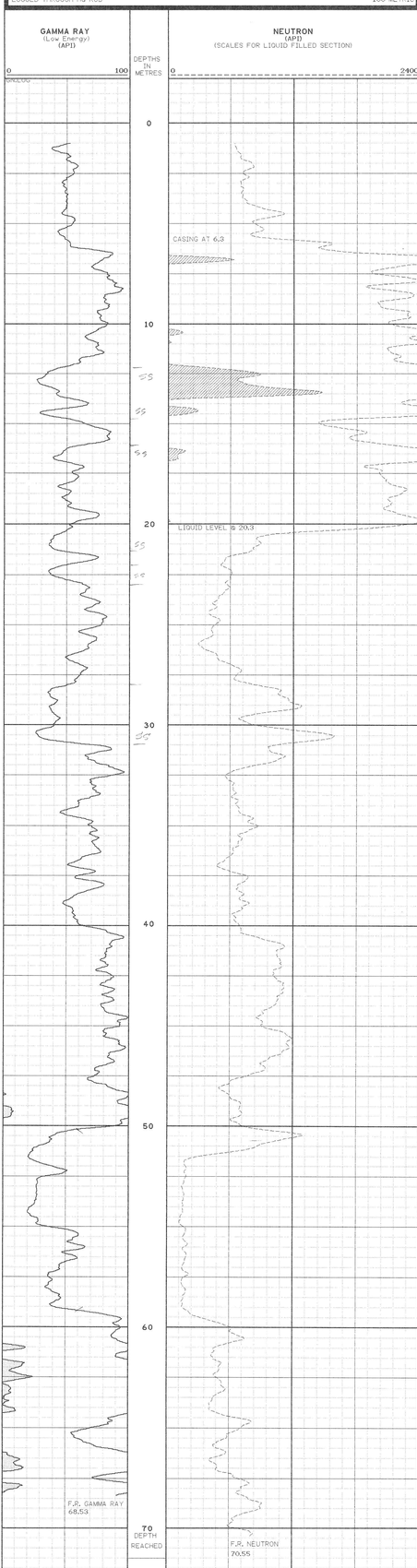
CALIPER (CAL):	460\785	GAMMA RAY NEUTRON (GR001	
DENSITY (DENS):	457	DIRECTIONAL (DIR):	004

GN.INS

GAMMA RAY NEUTRON

DATA FROM GRN SONDE

LOGGED THROUGH HQ ROD 100 METRIC



LOG PARAMETERS
QLS 72.0

EKOR RAW DATA FILE(S): N-1A1.RAW
ASCII(.LAS) FILE: 5-0GGN.LAS
LOG FIGURE FILE: GNF1G

DDHGRN.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	2.265	2	0.871	0	0.
0	0.33	3	0.42	0	0.

DDHGRN.PRG

PRG	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
4	0	0	0	0	0	0	0	0	0	0.3
12	0	0	0	0	0	0	0	0	0	0.2

DDHGRNHQ.PAR

NEM	SNS	ZER	LWB	RWB	LT	LC	LD1	LD2	DB
GR-1	10	0	0	10	T	S	100	0	0
N-1	120	13	13	33	N	D	16	16	6

GAMMA RAY NEUTRON DENSITY LOG

LOGGED HQ ROD HOLE

EKOR

GSD
DTN: ENTERPRISES LTD. CALGARY, ALBERTA, CANADA

Company: CLINE MINING CORPORATION
Well: DDH GN
Location: SITE COORDINATE N5466313 E6447740.0
Field: LODESTAR PROPERTY
Province: BRITISH COLUMBIA

SCALES
100

Service Order:
Kelly Bushing: GROUND LEVEL Elev: 1865 metres A.S.L.
Log Measured From: GROUND LEVEL m Above Perm. Datum C.F.
Drill Depths Measured From: GROUND LEVEL FILE: 1865 m
Driver Services: (GND/LOG)

Date	09MAR95
Run No.	1
First Reading	23.84
Last Reading	73.84
Logging Speed	3.04
Depth Reached	74.93
Depth Zero	25.89
Casing Base	2.5
Casing Diameter	96 MM
Fluid Level	0.00
Mn. Diameter	96 MM BIT SIZE
Ch. & Operator	CHMA & C
Recording Time	14:00 - 16:00
Truck No.	52
Recorded By	JORDANT
Witnessed By	R.J. MORRIS

EQUIPMENT

EQ.SLC

SURFACE EQUIPMENT

LOGGING UNIT:	52 /	NIMS COMPUTER:	03 / 08	PRINTER:	04 /
CABLE MONITOR:	06 /	INTEL COMPUTER:	L3 / L2	DAT:	/
LINE PWR MODULE:	268 587	SOFTWARE:	GL52 /	5.25 FLOPPY:	/
RECORDER:	/	HARD DRIVE:	/	3.50 FLOPPY:	/

DOWNHOLE EQUIPMENT

CALIPER (CAL):	459\587	GAMMA RAY NEUTRON (GR01)	
DENSITY (DEN):	829	DIRECTIONAL (DIR):	001

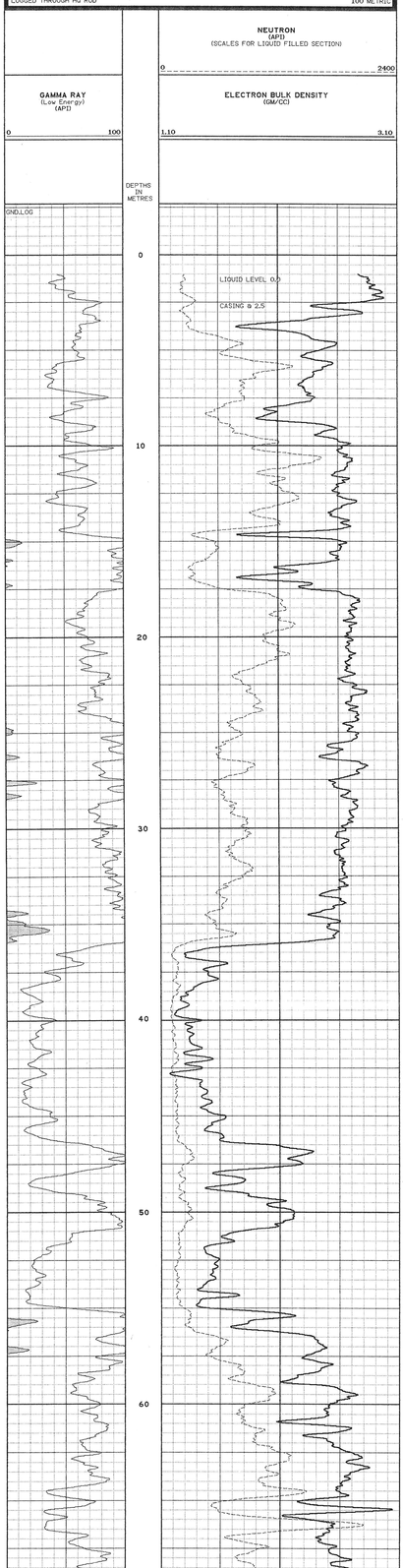
NEUTRON SOURCE N171

GND.INS

GAMMA RAY - NEUTRON - DENSITY

DATA FROM GRN, DENSITY

LOGGED THROUGH HQ ROD — 100 METRIC



LOG PARAMETERS
QLS V2.0

EKOR RAW DATA FILE(S): D-1A1.RAW N-1A1.RAW
ASCIIILAS FILE: 505GNDLAS
LOG FIGURE FILE: GND.FIG

DDHDEN.CAL

CF1	CP2	CP3	CP4	CP5	CP6
0	1.058	2	1	0	0.04

DDHGRN.CAL

CF1	CP2	CP3	CP4	CP5	CP6
0	2.275	2	0.885	0	0.1
0	0.34	3	0.492	0	0.1

DDHDENHQ.PRG

PR6	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
30	7.1335	0.82904	0	0	0	0	0	0	0	0.1

DDHGRNH.PRG

PR6	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
4	0	0	0	0	0	0	0	0	0	0.2
12	0	0	0	0	0	0	0	0	0	0.1

GND.PAR

NEM	SNS	ZER	LWB	RWB	LT	LC	LD1	LD2	DB
DEN	0.1	2	13	33	C	S	100	0	0
GR-1	10	0	0	10	N	S	100	0	0
N-1	120	13	13	33	N	D	16	16	6

GAMMA RAY NEUTRON DENSITY CALIPER LOG

OPEN HOLE

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA, CANADA

LSD		Company:	CLINE MINING CORPORATION
SEC		Well:	5O6
TWP		Location:	SITE COORDINATE N5466.133 E6449327.3
RANGE		Field:	LOOSE POLE PROPERTY
M	M	Pool:	BRITISH COLUMBIA

SCALES: 100 METRIC

Unique Well Identifier:

Permanent Datum: GROUND LEVEL Elev: 1900 metres K.B. 0 m

Log Measured From: GROUND LEVEL 1900 m Above Perm. Datum C.F. 0 m

Well Depths Measured From: GROUND LEVEL G.L. 1900 m

Other Services: GNDC-HSC

Run No.	ONE
Date	20 MAR 05
First Reading	2.00
Last Reading	58.29
Footage Logged	56.29
Depth Reached	58.17
Casing Size	2.75
Casing Depth	58.50
Bit Type	3.05
Bit Depth	58.50
Fluid Type	AIR/WATER
Fluid Level	0.00
Min. Diameter	90mm BIT SIZE
Rig Number	C
Operating Time	13900 - 17500
Truck Number	51
Recorded By	E.STEFANESCU
Witnessed By	R.MORRIS

EQUIPMENT

EQ.BLC

SURFACE EQUIPMENT

LOGGING UNIT:	51 /	NIMS COMPUTER:	01 / 04	PRINTER:	04 /
CABLE MONITOR:	08 /	INTEL COMPUTER:	L6 / L5	DAT:	/
LINE PWR MODULE:	310	SOFTWARE:	QLS2 /	5.25 FLOPPY:	/
RECORDER:	/	HARD DRIVE:	/	3.50 FLOPPY:	L6 / L5

DOWNHOLE EQUIPMENT

CALIPER (CAL): 460
DENSITY (DENS): 457

GAMMA RAY NEUTRON (GR GR 001

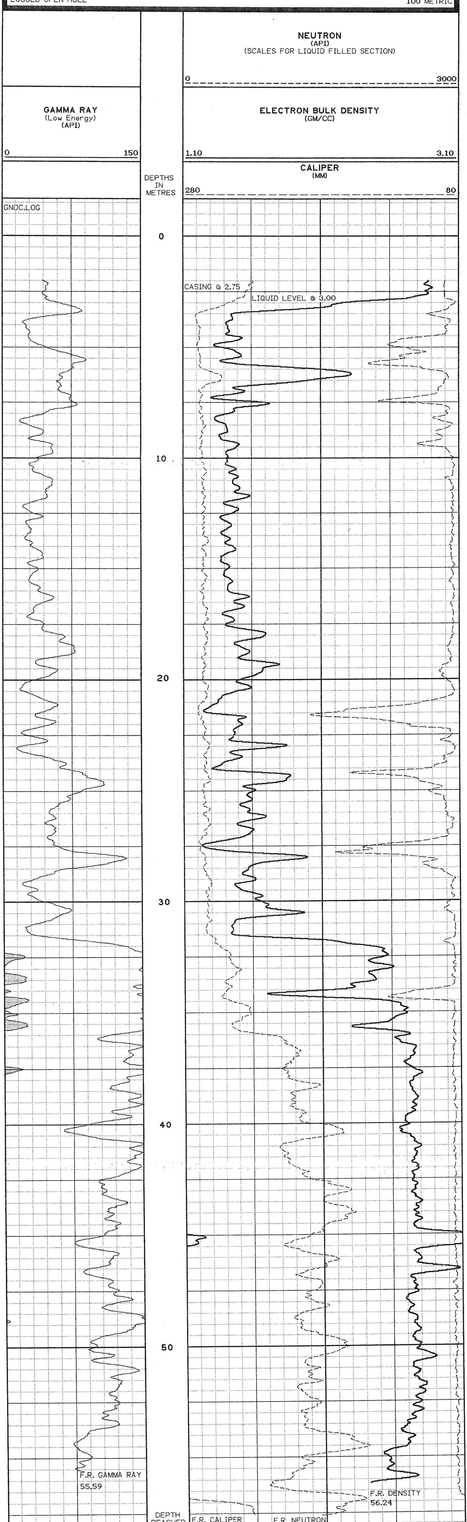
NEUTRON SOURCE N 347
GAMMA RAY NEUTRON 005

GNDC.INS

GAMMA RAY - NEUTRON - DENSITY - CALIPER

DATA FROM GRN, DENSITY, & CALIPER SONDES

LOGGED OPEN HOLE — 100 METRIC



LOG PARAMETERS
QLS V2.0

EXQR RAW DATA FILE(S): C-1A.RAW N-1A.RAW D-1A.RAW
ASCII(LAS) FILE: GNDCC.LAS
LOG FIGURE FILE: GNDCC.FIG

CAL460.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	0.384	2	2.815	-520	0.04

DDHGRN.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	2.275	2	0.871	0	0.1
0	0.34	3	0.42	0	0.1

DDHDEN.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	1.058	2	1	0	0.04

CAL460.PRG

PRG	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
40	0	0	0	0	0	0	0	0	0	0.1

DDHGRN.PRG

PRG	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
4	0	0	0	0	0	0	0	0	0	0.2
12	0	0	0	0	0	0	0	0	0	0.1

DDHDEN.PRG

PRG	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
30	0	0	0	0	0	0	0	0	0	0.15

GNDC.PAR

NEM	SNS	ZER	LWB	RWB	LT	LC	LD1	LD2	DB
CAL	-10	61	13	33	N	D	25	25	7
GR-1	15	0	0	10	N	S	100	0	0
N-1	150	19	13	33	N	D	16	16	6
DEN	0.1	2	13	33	E	S	100	0	0

GAMMA RAY NEUTRON DENSITY LOG

LOGGED HQ ROD UNIT

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA, CANADA

Company:	CLINE MINING CORPORATION
Well:	507
Location:	UTM COORDINATE 4854640.00 E664977.4
Field:	LOGGEPOLE PROPERTY
Province:	BRITISH COLUMBIA

SCALES: 100

Elevation Reference: GROUND LEVEL Elev: 0.00 m a.s.l.
Log Measured From: GROUND LEVEL 0.00 m Above Perm. Datum
Well Depths Measured From: GROUND LEVEL 0.00 m G.L.
Total Depth: 12500 m G.L.

Other Services: GRN/DSC

Date:	22 MAR 95
Unit Number:	77.05
Unit Location:	LKN
Bottom Logged Interval:	78.20
Top Logged Interval:	78.20
Casing Driller:	81.39
Casing Logger:	N/A
Bit Size:	76.20 mm
Type Fluid in Hole:	WATER
Dens:	0.00
Visc:	96 MM BIT SIZE
Max. Recorded Temp:	C
Operating Rig Time:	CHMA B
Recorded By:	C.
Witnessed By:	

Run Number:	54
Depth Driller:	12500 - 1445
Depth Logger:	
Bottom Logged Interval:	
Top Logged Interval:	
Type Fluid in Hole:	
Dens:	
Visc:	
Max. Recorded Temp:	
Equipment:	A STEP/ANFSOU
Location:	R.A. MORRIS

EQUIPMENT

LOGLIC

SURFACE EQUIPMENT

LOGGING UNIT:	51 /	NIMS COMPUTER:	01	/ 04	PRINTER:	04 /	
CABLE MONITOR:	08 /	INTEL COMPUTER:	L5	/ L6			
LINE PWR MODULE:	310	SOFTWARE:	GLS2	/	5.25 FLOPPY:	/	
RECORDER:	/	HARD DRIVE:		/	3.50 FLOPPY:	L5 / L6	

DOWNHOLE EQUIPMENT

GAMMA RAY NEUTRON (GRN): 001 DENSITY (DEN): 457

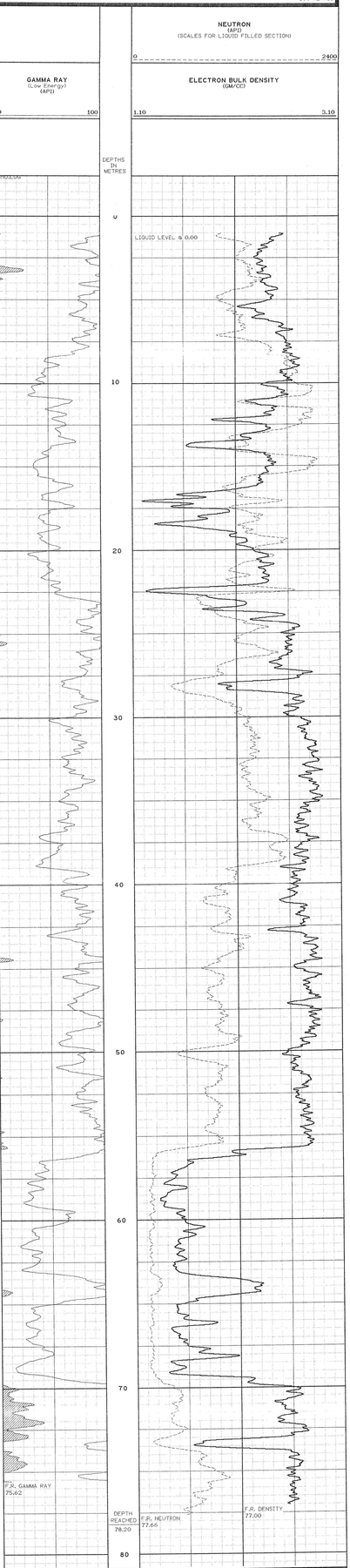
NEUTRON SOURCE N347

GND.INS

GAMMA RAY - NEUTRON - DENSITY

DATA FROM GRN & DENSITY SONDES

LOGGED THROUGH HQ ROD 100 METRIC



LOG PARAMETERS
GL5 V2.0

EKOR RAW DATA FILE(S): N-1A.RAW D-1A.RAW
ASCII(LAS) FILE: 5-07GND.LAS
LOG FIGURE FILE: GNDUFIG

DDHGRN.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	2.275	2	0.871	0	0.1
0	0.34	3	0.42	0	0.1

DDHDEN.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	1.058	2	1	0	0.04

DDHGRN.PRG

PRG	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
4	0	0	0	0	0	0	0	0	0	0.2
12	0	0	0	0	0	0	0	0	0	0.1

DDHDENHQ.PRG

PRG	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
30	6.9945	0.90796	0	0	0	0	0	0	0	0.1

GND.PAR

NEM	SNS	ZER	LWB	RWB	LT	LC	LD1	LD2	DB
GEN	0.1	2	19	33	E	S	100	0	0
GR-1	10	0	0	10	N	S	100	0	0
N-1	120	13	19	33	N	D	16	16	6

GAMMA RAY NEUTRON DENSITY LOG

LOGGED HQ ROD HOLE

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA, CANADA

Company:	CLINE MINING CORPORATION	LSD	
Well:	508	SEC	
Location:	SITE COORDINATE N5466463S E665000.1	TWP	
Field:	LOGSPOLE PROPERTY	RGE	
Province:	BRITISH COLUMBIA	W	4

SCALES: 100

Service Well Elevation:					
Permanent Datum:	GROUND LEVEL	Elev:	1950	metres	K.B.
Log Measured From:	GROUND LEVEL	m Above Perm. Datum			C.F.
Well Depths Measured From:	GROUND LEVEL				G.L. 1950 m
Other Services:					GND.HDR

Run No.	ONE
Date	25 MAR 05
First Reading	51.98
Footage Logged	50.08
Depth Reached	52.42
Casing Shoe	52.47
Casing Diameter	1.05
Casing Driller	1.22
Fluid Type	AIR / WATER
Liquid Level	5.00
Min. Diameter	96 MM BIT SIZE
Dip @ degrees C.	
Dip @ degrees C.	OHMM @
Operating Time	02:50 - 05:00
Truck No.	51
Recorded By:	STEFANESCU
Witnessed By:	R.A. MORRIS

EQUIPMENT

EQ.BLC

SURFACE EQUIPMENT

LOGGING UNIT:	51 /	NIMS COMPUTER:	01	/ 04	PRINTER:	04 /	
CABLE MONITOR:	08 /	INTEL COMPUTER:	L5	/ L6	DAT:	/	
LINE PWR MODULE:	310	SOFTWARE:	QLS2	/	5.25 FLOPPY:	/	
RECORDER:	/	HARD DRIVE:		/	3.50 FLOPPY:	L5 / L6	

DOWNHOLE EQUIPMENT

GAMMA RAY NEUTRON (GRN): 001 DENSITY (DENS): 457

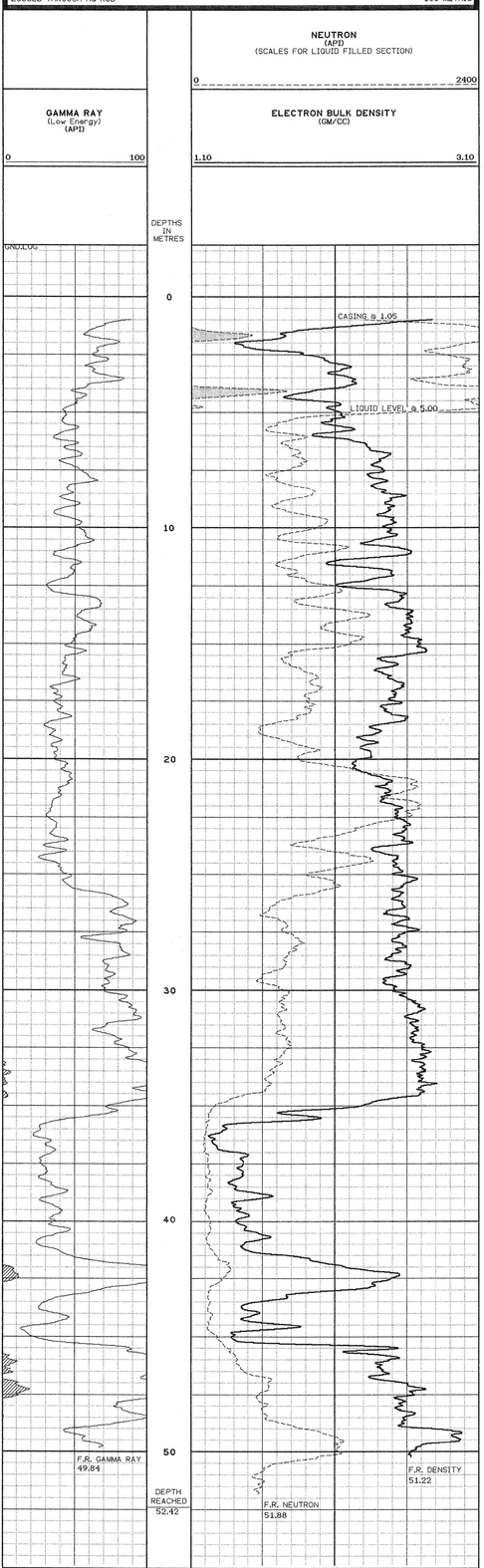
NEUTRON SOURCE N347

GND.INS

GAMMA RAY - NEUTRON - DENSITY

DATA FROM GRN & DENSITY SONDES

LOGGED THROUGH HQ ROD 100 METRIC



LOG PARAMETERS
QLS V2.0

EKOR RAW DATA FILE(S): N-1A.RAW D-1A.RAW
ASCII(LAS) FILE: GND.LAS
LOG FIGURE FILE: GND.FIG

DDHGRN.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	2.275	2	0.871	0	0.1
0	0.34	3	0.42	0	0.1

DDHDEN.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	1.058	2	1	0	0.04

DDHGRN.PRG

PRG	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
4	0	0	0	0	0	0	0	0	0	0.2
12	0	0	0	0	0	0	0	0	0	0.1

DDHDENHQ.PRG

PRG	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
30	6.9945	0.90796	0	0	0	0	0	0	0	0.1

GND.PAR

NEM	SNS	ZER	LWB	RWB	LT	LC	LD1	LD2	DB
DEN	0.1	2	13	33	E	S	100	0	0
GR-1	10	0	0	10	N	S	100	0	0
N-1	120	13	13	33	N	D	16	16	6

GAMMA RAY NEUTRON DENSITY LOG

LOGGED HQ ROD HOLE

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA, CANADA

Company	CLINE MINING CORPORATION
Well	509
Location	SITE COORDINATE N5464531E 646506N5.45
Province	BRITISH COLUMBIA
Log Measured From	GROUND LEVEL Elev: 1950 metres K.B.
Permanent Datum	GROUND LEVEL Elev: 1950 metres K.B.
Log Measured From	GROUND LEVEL 1950 metres Above Perm. Datum
Drilling Measured From	GROUND LEVEL 1950 metres K.B.

SCALES: 100

Logging Date: 27 MAR 05

Run No.: ONE

Depth Driller: 72.22

Depth Logged: 72.22

Bottom Logged Interval: 71.68

Top Logged Interval: 0.34

Casing Driller: 1.22

Casing Logged: N/A

Bit Size: 1.22

Type Fluid in Hole: AIR/WATER

Dens. Visc.: N/A

Max. Rec. Temp.: 25.0 deg C

Estimated Cement Top: N/A

Equipment Location: CHAMBER 9

Recorded By: A. STRYAMENSKI

Witnessed By: CLL MORRIS

EQUIPMENT

EQ.SLC

SURFACE EQUIPMENT

LOGGING UNIT:	S1 /	NIMS COMPUTER:	01 / 04	PRINTER:	04 /		
CABLE MONITOR:	08 /	INTEL COMPUTER:	L5 / L6	DATI:	/		
LINE PWR MODULE:	310	SOFTWARE:	GLS2 /	5.25 FLOPPY:	/		
RECORDER:	/	HARD DRIVE:	/	3.50 FLOPPY:	L5 / L6		

DOWNHOLE EQUIPMENT

GAMMA RAY NEUTRON (GRN):	001	DENSITY (DENS):	457

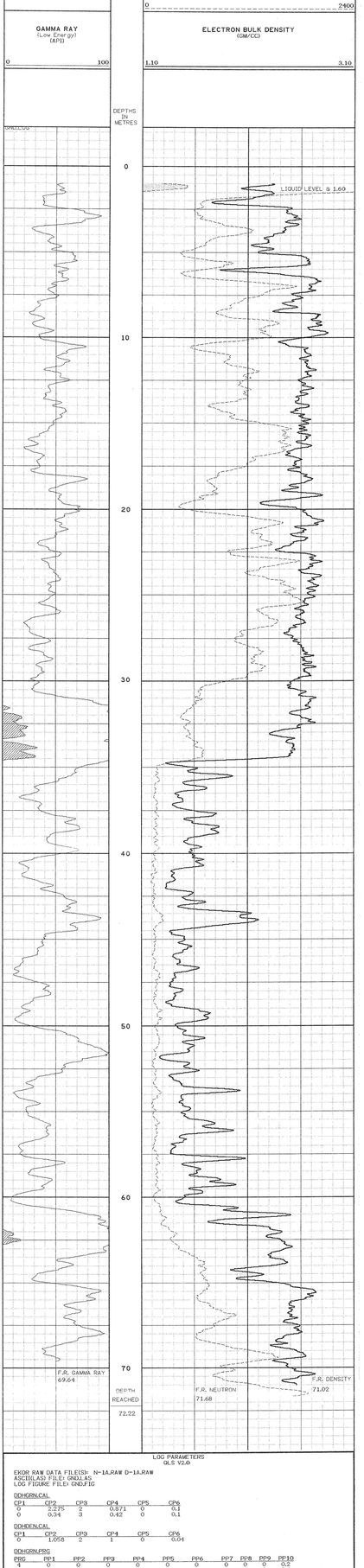
NEUTRON SOURCE N347

GNDLJNS

GAMMA RAY - NEUTRON - DENSITY

DATA FROM GRN & DENSITY SONDES

LOGGED THROUGH HQ ROD 100 METRIC



LOG PARAMETERS
GLS V2.0

EXOR RAW DATA FILE(S): N-1A.RAW D-1A.RAW
ASCII.LAS FILE: GNDL.LAS
LOG FIGURE FILE: GND.FIG

DDHGRN.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	0.275	2	0.371	0	0.1
0	0.34	3	0.42	0	0.1

DDHDEN.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	1.058	2	1	0	0.04

DDHGRN.PRG

PRG	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
4	0	0	0	0	0	0	0	0	0	0.2
12	0	0	0	0	0	0	0	0	0	0.1

DDHDEN.PRG

PRG	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
30	6.9945	0.90796	0	0	0	0	0	0	0	0.1

GND.PAR

NEM	SNS	ZER	LWB	RWB	LT	LC	LD1	LD2	DB
DEN	0.1	2	13	33	E	S	100	0	0
GR-1	10	0	0	10	N	S	100	0	0
N-1	120	13	13	33	N	D	16	16	6

GAMMA RAY NEUTRON DENSITY LOG

LOGGED HQ ROD HOLE

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA, CANADA

LSD	
SEC	
TWP	
RGE	
M	
W	
Company:	CLINE MINING CORPORATION
Well:	510
Location:	SITE COORDINATE N5466133 E665041.3
Field:	LODGEPOLE PROPERTY
Province:	BRITISH COLUMBIA
SCALES	100
Unique Well Identifier:	
Permanent Datum:	GROUND LEVEL Elev: 1960 metres K.B. m
Log Measured From:	GROUND LEVEL m Above Perm. Datum C.F. m
Well Depths Measured From:	GROUND LEVEL G.L. 1960 m
Other Services:	GND.HGS
Run No.	ONE
Date	29 MAR 05
First Reading	38.57
Last Reading	2.00
Footage Logged	36.57
Depth Reached	39.11
Depth Driller	41.76
Casing Rake	3.60
Casing Driller	3.66
Fluid Type	AIR/WATER
Liquid Level	10.20
Mn. Diameter	96 MM BIT SIZE
Rm @ degrees C	OHMM @ C
Operating Time	22:00 - 24:00
Truck No.	51
Recorded By	A STEFANESCU
Witnessed By	R.J. MORRIS

EQUIPMENT

EQ.BLC

SURFACE EQUIPMENT

LOGGING UNIT:	51 /	NIMS COMPUTER:	01 / 04	PRINTER:	04 /
CABLE MONITOR:	08 /	INTEL COMPUTER:	LS / L6	DAT:	/
LINE PWR MODULE:	310	SOFTWARE:	QLS2 /	5.25 FLOPPY:	/
RECORDER:	/	HARD DRIVE:	/	3.50 FLOPPY:	LS / L6

DOWNHOLE EQUIPMENT

GAMMA RAY NEUTRON (GRN): 001 DENSITY (DENS): 457

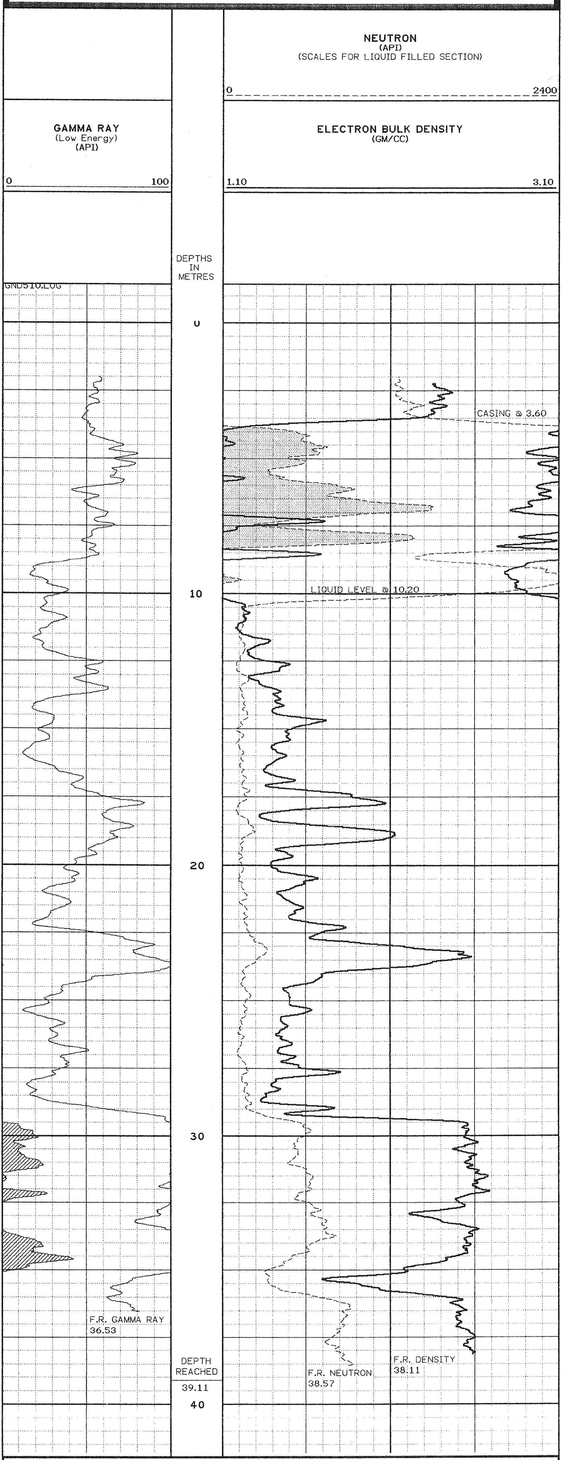
NEUTRON SOURCE N347

GND.INS

GAMMA RAY - NEUTRON - DENSITY

DATA FROM GRN & DENSITY SONDES

LOGGED THROUGH HQ ROD 100 METRIC



LOG PARAMETERS
QLS V2.0

EKOR RAW DATA FILE(S): N-1A.RAW D-1A.RAW
ASCII(LAS) FILE: 5-1GND.LAS
LOG FIGURE FILE: GND.FIG

DDHGRN.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	2.275	2	0.871	0	0.1
0	0.34	3	0.42	0	0.1

DDHDEN.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	1.058	2	1	0	0.04

DDHGRN.PRG

PRG	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
4	0	0	0	0	0	0	0	0	0	0.2
12	0	0	0	0	0	0	0	0	0	0.1

DDHDENHQ.PRG

PRG	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
30	6.9945	0.90796	0	0	0	0	0	0	0	0.1

GND.PAR

NEM	SNS	ZER	LWB	RWB	LT	LC	LD1	LD2	DB
DEN	0.1	2	13	33	E	S	100	0	0
GR-1	10	0	0	10	N	S	100	0	0
N-1	120	13	13	33	N	D	16	16	6

GAMMA RAY NEUTRON DENSITY LOG

LOGGED HQ ROD HOLE

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA, CANADA

LSD	Company	CLINE MINING CORPORATION	
SEC	Well	511	
TWP	Location	SITE COORDINATE N5466600 E665077.4	SCALES
RGE	Field	LODGEPOLE PROPERTY	
W M	Province	BRITISH COLUMBIA	100

Unique Well Identifier

Permanent Datum	GROUND LEVEL	Elevt 2000 metres	K.B.	m
Log Measured From	GROUND LEVEL	m Above Perm. Datum	C.F.	m
Well Depths Measured From	GROUND LEVEL		G.L. 2000	m

Other Services: GND511HDG

Run No.	ONE	
Date	17 APR 05	
First Reading	78.84	
Last Reading	2.00	
Footage Logged	76.84	
Depth Reached	79.38	
Depth Driller	81.38	
Casing Rake	N/A	
Casing Driller	2.44	
Fluid Type	AIR/WATER	
Liquid Level	0.50	
Min. Diameter	96 MM BIT SIZE	
Rm & degrees C	OHMM @ C	
Operating Time	10:30 - 12:30	
Truck No.	51	
Recorded By	A.STEFANESCU	
Witnessed By	R.J. MORRIS	

FIELD COPY

Kind pit 4.5 x 3.5

GND511LOG

EQUIPMENT

SURFACE EQUIPMENT
LOGGING UNIT: 01 /
DATA PROCESSOR: 08 /
LINE PWR MODULE: 310 /
RECORDER: /

DOWNHOLE EQUIPMENT
GAMMA RAY NEUTRON (GRN): 001
NEUTRON SOURCE: N347

NONE COMPUTER: 04 /
PRINTER: 05 /
SOFTWARE: 0.02 /
HARD DRIVER: /

PICKED: 04 /
5.25 FLOPPY: 05 /
3.50 FLOPPY: 0.02 /

DENSITY (GEN3): 457

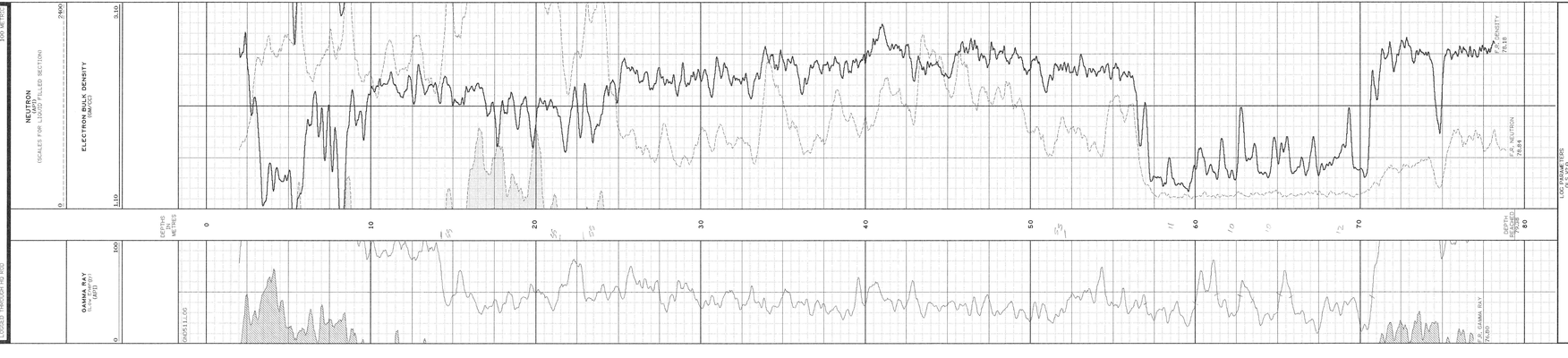
GND511HDG

GAMMA RAY - NEUTRON - DENSITY

DATA FROM GRN & DENSITY SONDES

LOGGED THROUGH HQ ROD

100 METRIC



LOG FIGURE DPS
GLS V.00

FROM RAW DATA FILENDS: 001N347.RAW 4C70S.RAW
LOG FIGURE FILENDS: 001N347.LFD
LOG FIGURE FILE: GND511F.IG

001N347.DSI
CH1 CH2 CH3 CH4 CH5 CH6
0 0.34 2 0.421 0 0.1

#CDSLGAL
CH1 CH2 CH3 CH4 CH5 CH6
0 0.56 0 0 0 0.05

001N347.DSI
DP1 DP2 DP3 DP4 DP5 DP6 DP7 DP8 DP9 DP10
0 0 0 0 0 0 0 0 0 0.1

#CDSGSPEC
DP11 DP12 DP13 DP14 DP15 DP16 DP17 DP18 DP19 DP20
0 0 0 0 0 0 0 0 0 0

GND511.RAW
DEPM DEPS PRE LMB DMB LT LCL LCD DB
0.25 0.25 0 1 1 1.5 100 0 0
10 10 13 13 33 1 100 16 0
N N N N N N N N N N

GAMMA RAY NEUTRON DENSITY LOG

LOGGED HQ ROD CYCLE

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA, CANADA

Company	CLINE MINING CORPORATION
Well	10-10-05-05
Location	SITE COORDINATE R5464191 E6652935
Field	LODGEPOLE PROPERTY
Province	BRITISH COLUMBIA

SCALES: 100

Service Well Identifier	GROUND LEVEL	Elev.	2060 metres K.B.
Log Measured From	GROUND LEVEL	m Above Perm. Datum	2060 m G.L.
All Depths Measured From	GROUND LEVEL		m K.B.

Other Services: GND512.LOG

Run No.	ONE
Date	10-Nov-05
First Reading	72.66
Last Reading	2.00
Casing Logged	70.66
Depth Reached	73.20
Bit Size	200 mm
Casing Size	2.40
Casing Bottom	72.66
Fluid Type	AIR
Fluid Level	1.27
Min. Diameter	96 MM BIT SIZE
Rig Engineer	CHAM Q. C.
Operating Time	11:00 - 13:15
Truck No.	51
Recorded By	A. STEFANESCU
Witnessed By	R.J. MORRIS

EQUIPMENT

EQ.BLC

SURFACE EQUIPMENT

LOGGING UNIT:	51 /	NDMS COMPUTER:	05 / 04	PRINTER:	04 /		
CABLE MONITOR:	08 /	INTEL COMPUTER:	L6 / L5	DAT:	/		
LINE PWR MODULE:	310	SOFTWARE:	QLS2 /	5.25 FLOPPY:	/		
RECORDER:	/	HARD DRIVE:	/	3.50 FLOPPY:	L5 / L6		

DOWNHOLE EQUIPMENT

GAMMA RAY NEUTRON (GRN): 001 DENSITY (DENS): 457

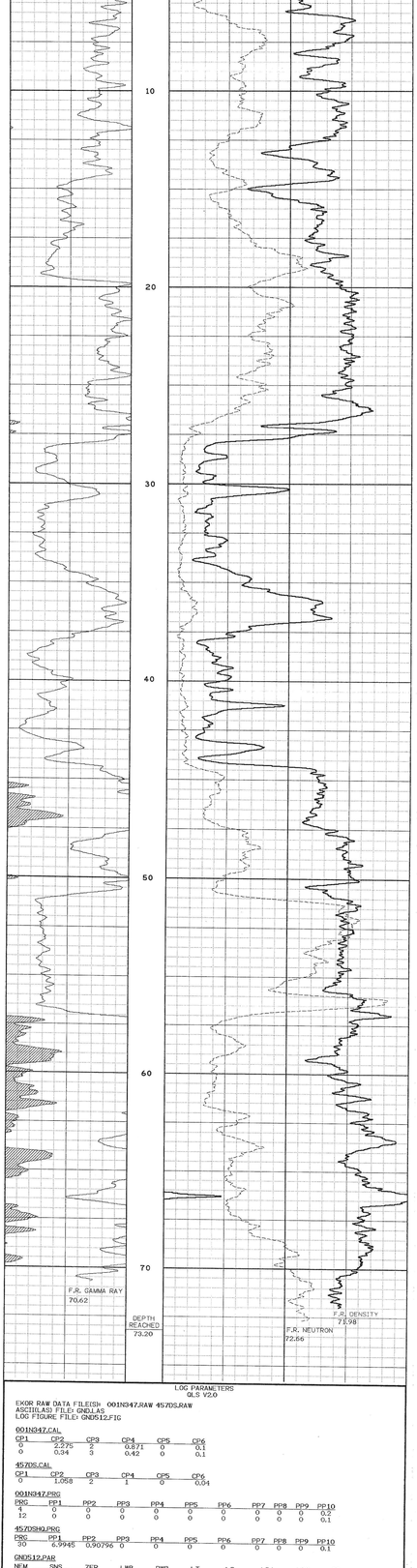
NEUTRON SOURCE N347

GND.INS

GAMMA RAY - NEUTRON - DENSITY

DATA FROM GRN & DENSITY SONDES

LOGGED THROUGH HQ ROD 100 METRIC



LOG PARAMETERS
QLS V2.0

EKOR RAW DATA FILE(S): 001N347.RAW 457DS.RAW
ASCII(LAS) FILE: GND.LAS
LOG FIGURE FILE: GND512.FIG

001N347.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	2.275	2	0.871	0	0.1
0	0.34	3	0.42	0	0.1

457DS.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	1.058	2	1	0	0.04

001N347.PRC

PRC	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
12	0	0	0	0	0	0	0	0	0	0.2
12	0	0	0	0	0	0	0	0	0	0.1

457DSH0.PRC

PRC	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
30	6.9945	0.90795	0	0	0	0	0	0	0	0.1

GND512.PAR

NEM	SNS	ZER	LWB	RWB	LT	LC	LD1	LD2	DB
DEN	0.1	2	13	33	E	S	100	0	0
GR	10	0	0	10	N	S	100	0	0
N	120	13	13	33	N	D	16	16	6

Richard RSM 13 May '05

GAMMA RAY NEUTRON DENSITY LOG

GEOSTRATA PROPRIETARY

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA, CANADA

Well	ROKE	Company	CLINE MINING CORPORATION
Section	10	Township	47
Range	5	Meridian	W5
Field	LODGEPOLE PROPERTY	Surface Coordinates	SHL COORDINATES 6646133 664639A5
Province	BRITISH COLUMBIA	Elevation	100

SCALES

Measured From	GROUND LEVEL	Elev.	2000 metres A.S.L.
Log Measured From	GROUND LEVEL	is Above Perm. Datum	G.L. 2000
Drill Depths Measured From	GROUND LEVEL		K.B. 2000

Job No.	ROKE		
Date Drilled	23 APR 05		
Total Depth	82.34		
Last Reading	2.00		
Casing Logged	79.80		
Casing Size	85.34		
Casing Weight	N/A		
Casing Grade	N/A		
Fluid Level	FULL		
Fluid Type	AIR		
Max. Diameter	96 MM (BIT SIZE)		
Rig & Bit Type	DAHA 5		
Date	13 May '05		
Time	1600 - 1700		
Recorded By	A.STEJMENSKI		
Witnessed By	R.A. MORRIS		

FIELD COPY

EQUIPMENT

CGULC

SURFACE EQUIPMENT

LOGGING UNIT:	51 /	NMS COMPUTER:	05 / 04	PRINTER:	04 /
CABLE MONITOR:	08 /	INTEL COMPUTER:	L6 / L5	DAT:	/
LINE PWR MODULE:	310	SOFTWARE:	OLS2 /	5.25 FLOPPY:	/
RECORDER:	/	HARD DRIVE:	/	3.50 FLOPPY:	L5 / L6

DOWNHOLE EQUIPMENT

GAMMA RAY NEUTRON (GRN): 001 DENSITY (DENS): 457

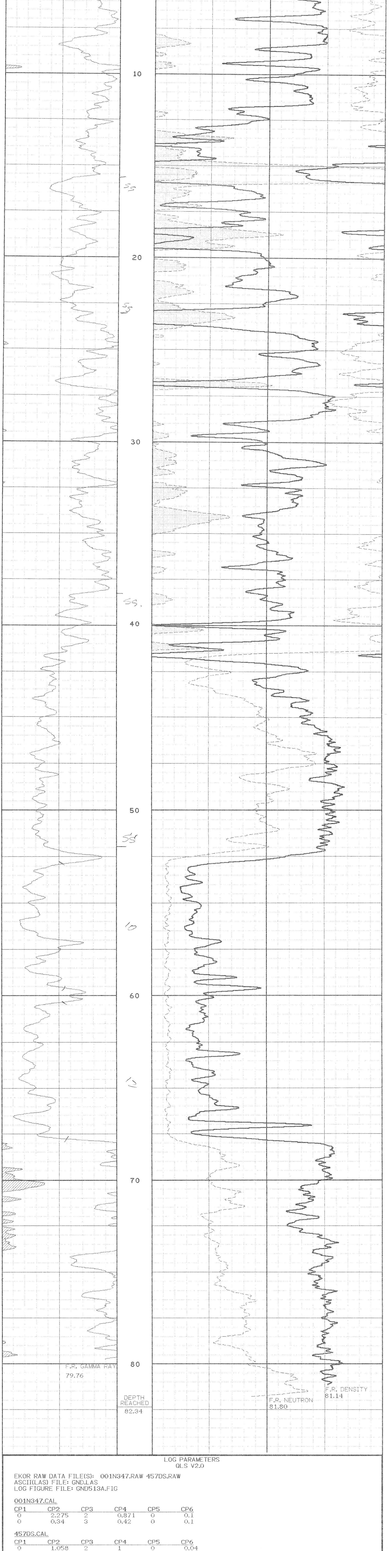
NEUTRON SOURCE N347

GNDLAS

GAMMA RAY - NEUTRON - DENSITY

DATA FROM GRN & DENSITY SONDES

LOGGED THROUGH HQ ROD 100 METRIC



LOG PARAMETERS
OLS V2.0

EKOR RAW DATA FILE(S): 001N347.RAW 457DS.RAW
ASCII(LAS) FILE: GNDLAS
LOG FIGURE FILE: GND513A.FIG

001N347.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	2.275	2	0.871	0	0.1
0	0.94	3	0.42	0	0.1

457DS.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	1.058	2	1	0	0.04

001N347.PRG

PRG	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
4	0	0	0	0	0	0	0	0	0	0.1
12	0	0	0	0	0	0	0	0	0	0.1

457DS2HS.PRG

PRG	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
80	6.9945	0.90796	0	0	0	0	0	0	0	0.1

GNDS13A.PAR

NEM	SNC	ZER	LW3	SW3	LT	LC	LD1	LD2	DB
DEN	0.1	2	13	33	E	2	100	0	0
GR	10	0	0	10	N	2	100	0	0
N	120	13	13	33	N	0	16	16	6

GAMMA RAY NEUTRON DENSITY LOG

LOGGED HQ ROD HOLE

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA, CANADA

SEC	Company:	CLINE MINING CORPORATION	
TWP	Well:	514	
RGE	Location:	54°46'18.6N 65°48'59.9E	
M	Field:	LOKEPOLE PROPERTY	SCALES
M	Province:	BRITISH COLUMBIA	100

Unique Well Identifier			
Permanent Datum:	GROUND LEVEL	Elev:	1893 metres K.B.
Log Measured From:	GROUND LEVEL	m Above Perm. Datum	C.F. 1893. m
Well Depths Measured From:	GROUND LEVEL		G.L. 1893. m
Other Services:			GND1DG

Run No.	ONE
Date	19 OCT 05
Last Reading	41.96
Bottom Logged	41.96
Depth Reached	42.50
Casing Driller	12.67
Casing Logger	12.0
Fluid Type	AIR/WATER
Liquid Level	5.80
Min. Diameter	96 MM
Rh @ degrees C	GNMM @ C
Operating Time	20:00 - 22:20
Truck No.	51
Recorded By	J. GRANT
Witnessed By	R.J. MORRIS

Field Copy

EQ.BLC

EQUIPMENT

SURFACE EQUIPMENT

LOGGING UNIT:	51 /	NIMS COMPUTER:	04 / 05	PRINTER:	04 /
CABLE MONITOR:	08 /	INTEL COMPUTER:	L6 / L3	DAT:	/
LINE PWR MODULE:	310 587	SOFTWARE:	QLS2 /	5.25 FLOPPY:	/
RECORDER:	/	HARD DRIVE:	/	3.50 FLOPPY:	L5 / L6

DOWNHOLE EQUIPMENT

GAMMA RAY NEUTRON (GRN): 001 DENSITY (DENS): 457

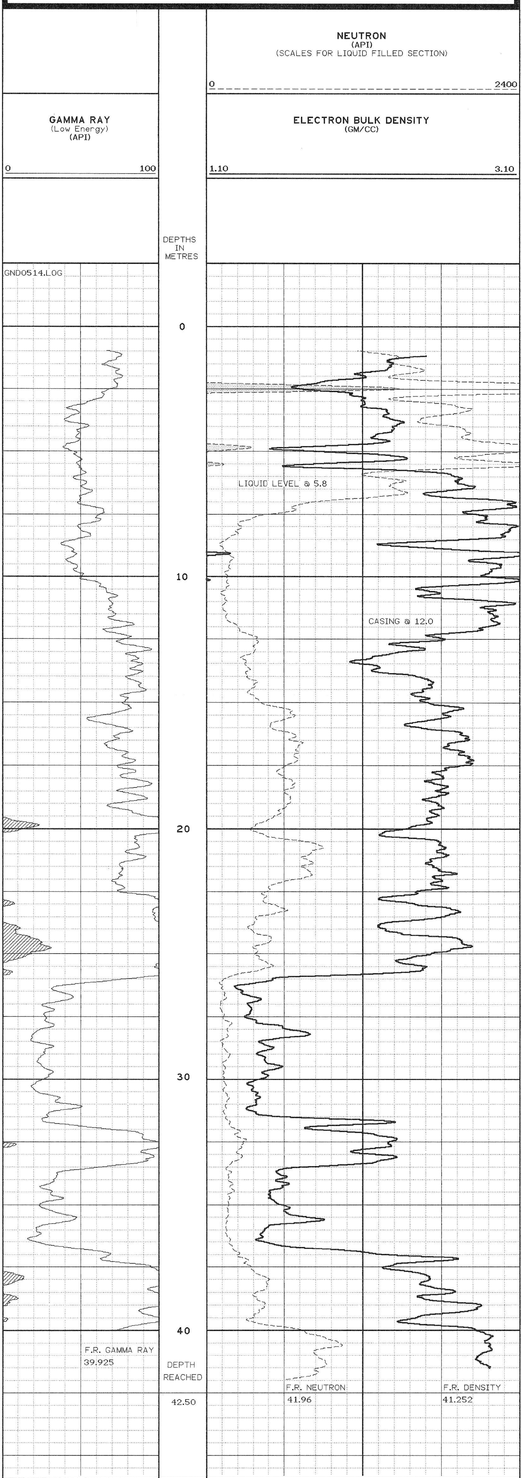
NEUTRON SOURCE N347
1-001N347, 457DAS
2-005N347, 457DAS

GND.INS

GAMMA RAY - NEUTRON - DENSITY

DATA FROM GRN & DENSITY SONDES

LOGGED THROUGH HQ ROD 100 METRIC



LOG PARAMETERS
QLS V2.0

EKOR RAW DATA FILE(S): D-1A11.RAW N-1A11.RAW
ASCII(LAS) FILE: GND0514.LAS
LOG FIGURE FILE: GND0514.FIG

457DAS.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	1.058	2	1	0	0.04

001N347.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	2.275	2	0.871	0	0.1
0	0.34	3	0.42	0	0.1

457DASHQ.PRG

PRG	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
30	6.9710	0.90713	0	0	0	0	0	0	0	0.1

001N347.PRG

PRG	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
4	0	0	0	0	0	0	0	0	0	0.2
12	0	0	0	0	0	0	0	0	0	0.1

GND514.PAR

NEM	SNS	ZER	LWB	RWB	LT	LC	LD1	LD2	DB
DEN	0.1	2	13	33	F	S	100	0	0
GR	10	0	0	10	N	S	100	0	0
N	120	13	13	33	N	D	16	16	6

GAMMA RAY NEUTRON DENSITY LOG

LOGGED HQ ROD HOLE

ROKE OIL ENTERPRISES LTD. CALGARY, ALBERTA, CANADA

LSD	Company:	CLINE MINING CORPORATION	
SEC	Well:	515	
TWP	Location:	5466372N 664914E	SCALES
RGE	Field:	LODGEPOLE PROPERTY	
W M	Province:	BRITISH COLUMBIA	100

Unique Well Identifier:

Permanent Datum:	GROUND LEVEL	Elev: 1910 metres	K.B. m
Log Measured From:	GROUND LEVEL	m Above Perm. Datum	C.F. m
Well Depths Measured From:	GROUND LEVEL		G.L. 1910 m

Other Services: GND,HDG

Run No.	ONE	FIELD COPY
Date	21 OCT 05	
First Reading	54.13	
Last Reading	1.0	
Footage Logged	53.13	
Depth Reached	54.67	
Depth Driller	54.86	
Casing Roke	1.50	
Casing Driller	1.50	
Fluid Type	WATER	
Liquid Level	GROUND LEVEL	
Min. Diameter	96 MM	
Rm & degrees C	OHMM @ C	
Operating Time	18:00 - 19:30	
Truck No.	51	
Recorded By	J. GRANT	
Witnessed By	R.J. MORRIS	

EQUIPMENT

EQBLC

SURFACE EQUIPMENT

LOGGING UNIT:	51 /	NIMS COMPUTER:	04 / 05	PRINTER:	04 /
CABLE MONITOR:	08 /	INTEL COMPUTER:	L6 / L3	DAT:	/ /
LIGHT BOX & MODULE:	910 / 587	SPECTRUM:	GL52 /	5.25" FLOPPY:	/ /
RECORDER:		HARD DRIVE:		3.5" FLOPPY:	/ /

DOWNHOLE EQUIPMENT

GAMMA RAY NEUTRON (GRN):	001	DENSITY (DENSH):	457

NEUTRON SOURCE 1947
1-0401947, 457DHS
2-0409947, 457DHS

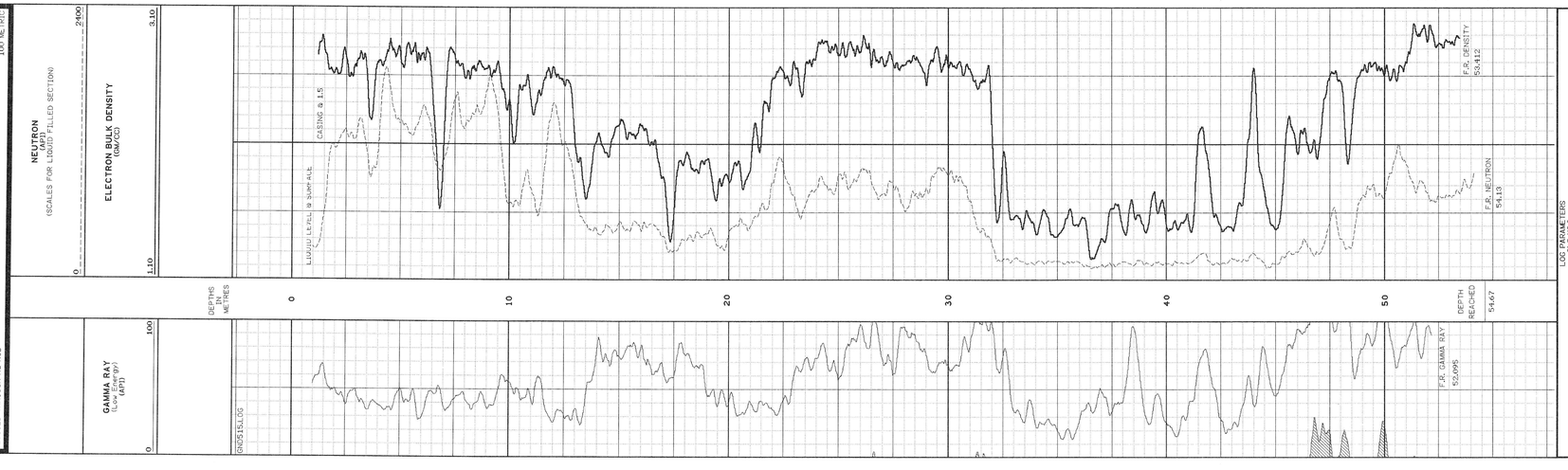
GAMMA RAY - NEUTRON - DENSITY

DATA FROM DRY & DENSITY SONDES

GNDLHS

LOGGED THROUGH HQ ROD

100 METRIC



LOG PARAMETERS
GLS V2.0

EXCEL RAW DATA FILEGS: N-1411.RAW D-1411.RAW
LAS FILE: GNDS15.LAS
LOG FIGURE FILE: GNDS15.FIG

001N947.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	0.0276	3	0.27	0	0.1
0	0.34	3	0.42	0	0.1

457DAS.CAL

CP1	CP2	CP3	CP4	CP5	CP6
0	1.056	2	1	0	0.04

001N947.PRS

PRS	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
1	0	0	0	0	0	0	0	0	0	0.2
2	0	0	0	0	0	0	0	0	0	0.1

457DAS.PRS

PRS	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10
30	6.9710	0.307/13	0	0	0	0	0	0	0	0.1

GNDS15.PAR

NEM	SRS	ZER	LWB	RWB	NT	LC	LTU	UZ	DB
N	0	0	0	0	N	N	0	0	0
N	120	13	13	33	N	D	16	16	0
DEN	0.11	2	13	33	E	S	100	0	0