NL INDUSTRIES BAROID

WELL COVE FORT-SULPHURDALE 42-7
COMPANY UNION OIL
LOCATION BEAVER CO., UTAH

LEGEND

TCL	TRIP CHLORIDES	NR	NO RETURNS
NB	NEW BIT	EL	ELECTRIC LOG
NCB	NEW CORE BIT	CO	CIRCULATE OUT RETURNS
DST	DRILL STEM TEST	CKF	CHECK FOR FLOW
TG	TRIP GAS		

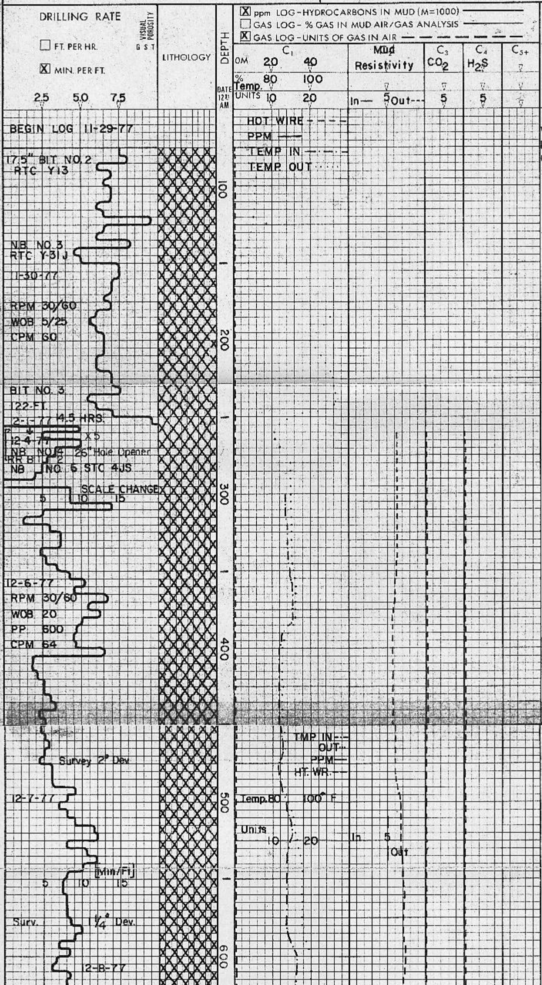
SAND	SHALE	LIMESTONE	DOLOMITE
▨	▨	▨	▨

WISE
WELL INFORMATION SYSTEMS AND ENGINEERING
MUD LOG

GL04476_8

DRILLING RATE
☐ FT. PER HR.
☒ MIN. PER FT.

☒ ppm LOG-HYDROCARBONS IN MUD (M=1000)
☐ GAS LOG - % GAS IN MUD AIR/GAS ANALYSIS
☒ GAS LOG-UNITS OF GAS IN AIR



REMARKS

WT 8.8 VIS 53
PH 9.0 FIL 12
CHL 450
VOLC-R, MED GY, HD, VITR I.P., MICRO-MACRO XLN, QTZ, BIOT, ANDS.

WT 9.2 VIS 43
PH 9.0 FIL 22
CHL 450

VOLC-GY, A/A, GN, VITR, TR PYR

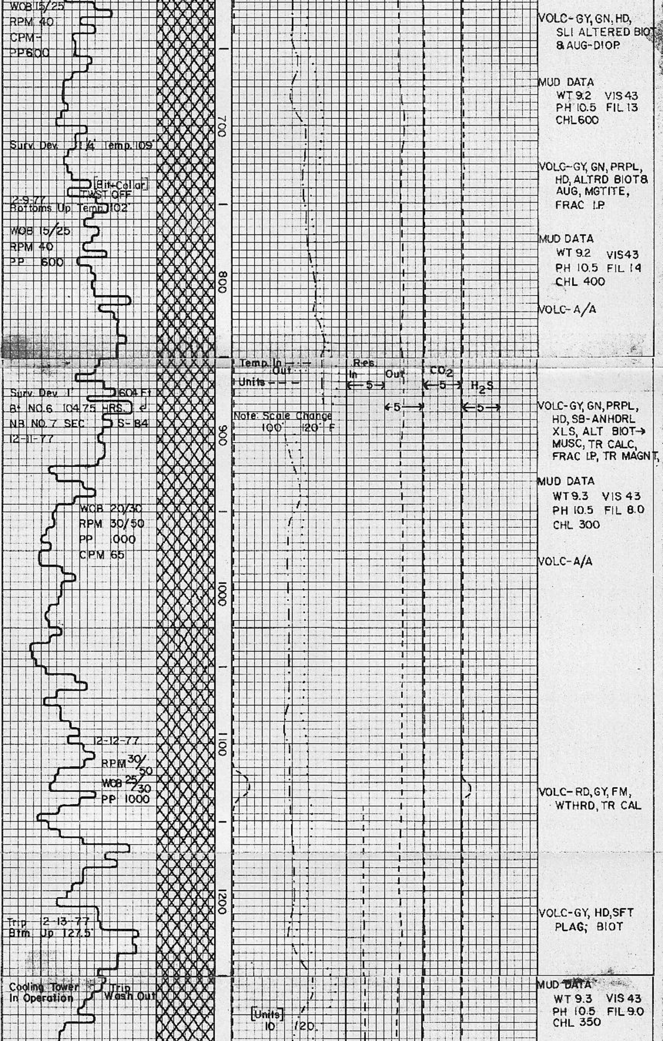
VOLC-GY, GY GN, HD, QTZ, BIOT, PLAG, PHENOCRYSTS

VOLC-GY, GN, A/A TR CALC

WT. 8.8 VIS 46
PH 11.5 CHL 500
FIL 14

VOLC-GY, GY-GN, HD, XLN, QTZ, BIOT, PLAG, PHENOCRYST.

MUD DATA
WT 9.0 VIS 39
PH 11.0 FIL 14
CHL 1500



WOB 15/25
RPM 40
CPM -
PP 600

Surv Dev. 1¼° Temp. 109°

[Bit+Collar]
TWST OFF
12-9-77
Bottoms Up Temp. 102°

WOB 15/25
RPM 40
PP 600

Surv Dev 1° 604 Ft
Bt NO.6 104.75 HRS.
NB NO.7 SEC S-84
12-11-77

WOB 20/30
RPM 30/50
PP 1000
CPM 65

12-12-77
RPM 30/50
WOB 25/30
PP 1000

Trip 12-13-77
Btm Up 127.5°

Cooling Tower
In Operation

Trip
Wash Out

VOLC-GY, GN, HD,
SLI ALTERED BIOT
& AUG-DIOP.

MUD DATA
WT 9.2 VIS 43
PH 10.5 FIL 13
CHL 600

VOLC-GY, GN, PRPL,
HD, ALTRD BIOT &
AUG, MGTITE,
FRAC I.P.

MUD DATA
WT 9.2 VIS 43
PH 10.5 FIL 14
CHL 400

VOLC-A/A

VOLC-GY, GN, PRPL,
HD, SB-ANHDRL
XLS, ALT BIOT→
MUSC, TR CALC,
FRAC I.P., TR MAGNT,

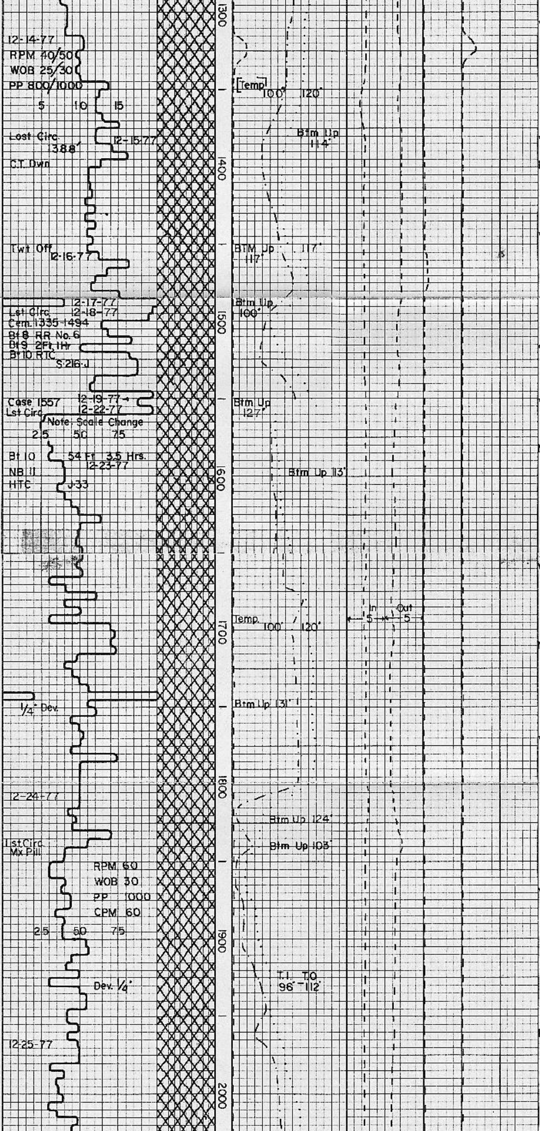
MUD DATA
WT 9.3 VIS 43
PH 10.5 FIL 8.0
CHL 300

VOLC-A/A

VOLC-RD, GY, FM,
WTHRD, TR CAL

VOLC-GY, HD, SFT
PLAG; BIOT

MUD DATA
WT 9.3 VIS 43
PH 10.5 FIL 9.0
CHL 350



VOLC-GY, DK GN, M HD-HD, BIOT→MUSC, PLAG SFT-HD TR CALC

VOLC-A/A, FRAC

MUD DATA
WT 9.2 VIS 44
PH 10.0 FIL 9.0
CHL 300

VOLC-M GN-GY, HD, FRAG OF BASLT, SB HDRL XLS

VOLC-GY, RD, FRM-HD, BREC., WTHRD

VOLC-GN, GY, A/A, TR MAGNT

MUD DATA
WT 8.7 VIS 38
PH 12.0 FIL 12.8
CHL 140 FLOR 1.15

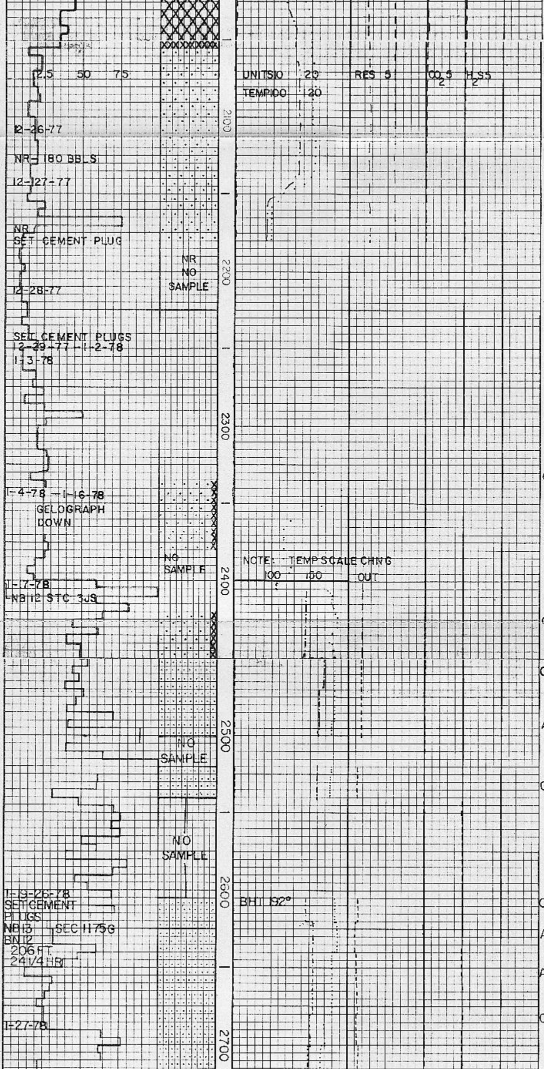
VOLC-GN, GY, M HD-HD, BREC, PYR-CH PYR, PLAG, QTZ, BIOT-MUSC., FRAC I.P., CALC

MUD DATA
WT 8.8 VIS 33
PH 10.5 CHL 170
FLOR 1.35

VOLC-A/A, TR RD

VOLC-GN, GY, M HD-HD FRAC I.P., QTZ, PYR-CH PYR

MUD DATA
WT 8.9 VIS 41
PH 11.0 FIL 9.6
CHL 150 FLOR 1.5



SS- LT GY WH CLR
HD QTZ

SS-LT GY WH VF
GR HD QTZ

QTZ LT GY VHD
TR PYR

WT 8.3 VIS 46
PH 12.0 CL 80
FIL N/A

VOL BRWN V FG
HD SERICITE
IP

QTZ LT GY VHD
TR PYR GALENA
MAG

QTZT-ORTHO,LT GRY,
TR PYR,MAG,GALENA

A/A

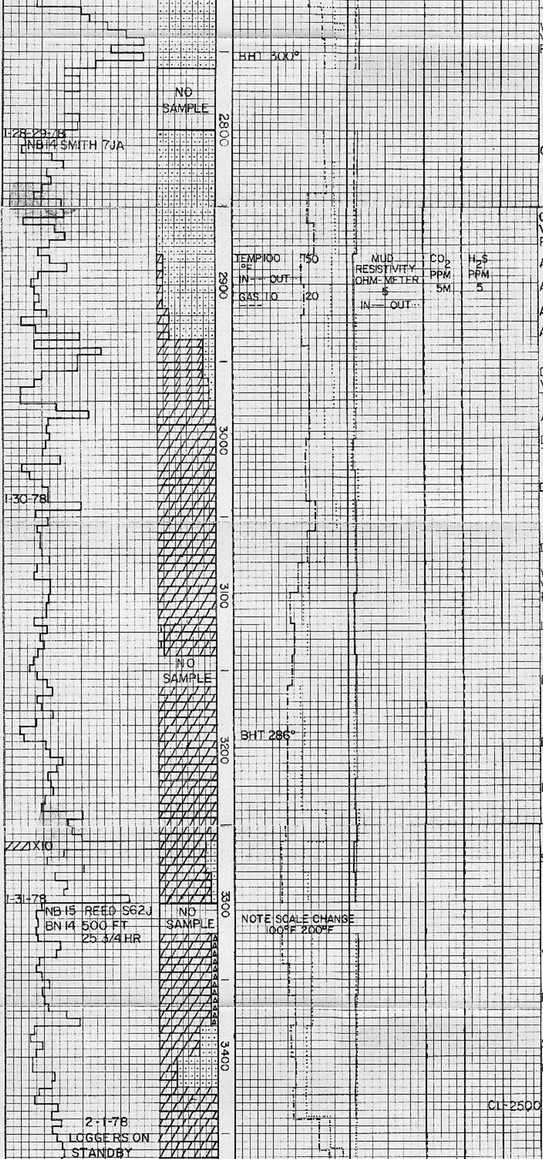
QTZT-LT GRY, TR PYR,
CHALCOPYR

QTZT-ORTHO,LT GRY-
WHT, TR PYR,MAG

A/A-W/DOL VEINS

A/A-W/LT GRN ANHY

QTZT-WHT-LT GRY, YEL-
WHT, TR PYR,MAG,
GALENA



TR DOL,W/PYR,CALC

WT 84 FIL N/C
VIS 28 CL 250
PH 9.5

QTZT-WHT-LTGRY,
VHD,TR PYR,CALC

QTZT-WHT-LTGRY
VHD,CALC,TR LS,
PYR

A/A

A/A

A/A-W/TR S

A/A-W/CAL SS,GYP

DOL-DKGY W/CALC
VEINS, QTZT-LTGRY
TO WH, TR PYR

A/A

DOL-DK TO LTGRY,
TR PYR

DOL-WHT-DK GRY,
MICROXLN,TR PYR

DOL-A/A

WT 84 FIL N/C
VIS 28 CL 215
PH 9.2

LS-WHT,FRM,VFXLN

DOL-WHT-DK GRY,HD,
APHAN-VFXLN,TR
PYR,CALC,CHRT

DOL-A/A,FLOR-1.2

DOL-A/A

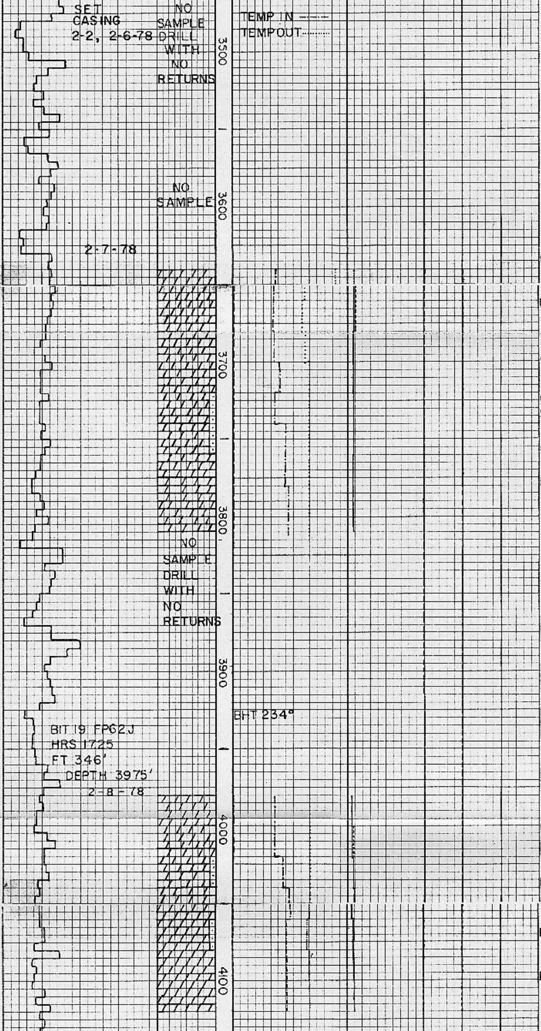
SS-BUFF,LT BRN-GRY,
TR CHALCOPYR,
PYR

CHRT-CLR-WHT,BLU-GRY,ANG

DOL-WHT-DK GRY,VF-FXLN,CALC VEINS

SS-LT GRY-BRN,F GR

DOL-A/A,TR CHALCOPYR



DOL A/A

DOL-WHT-DK GRY VF-FXLN, CALC VEINS, TR PYR, GYP

DOL-DK GRY, CALC VEINS

DOL-A/A, SS-BF-LT BRN, VF

DOL-A/A

DOL-A/A, FOS FRAG CRINOIDS, TR LS

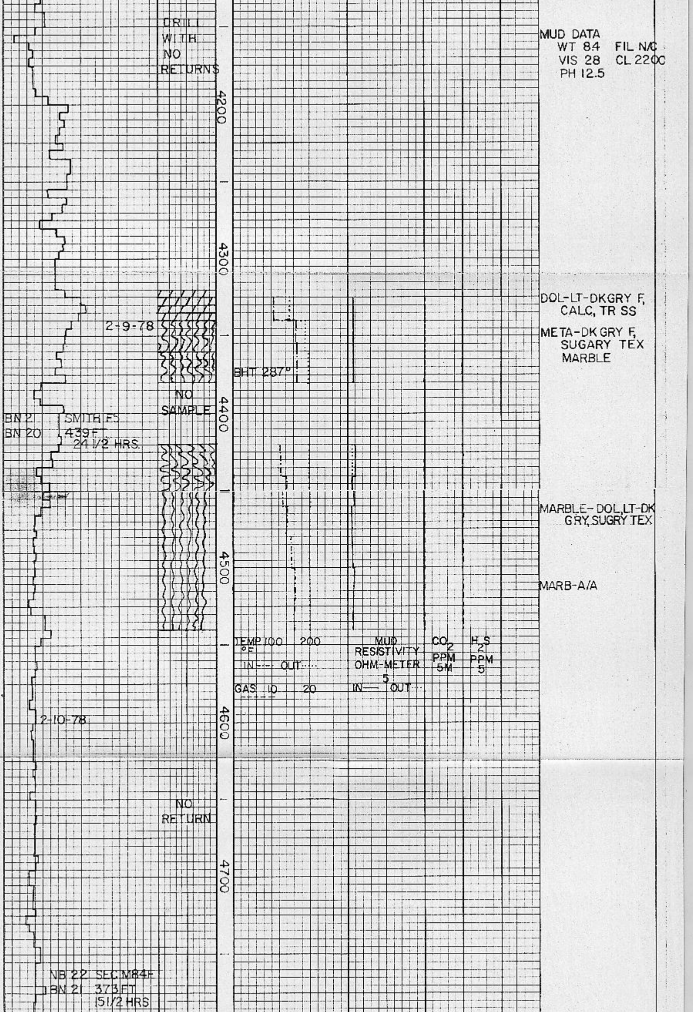
DOL-LT GRY-MILKY WHT

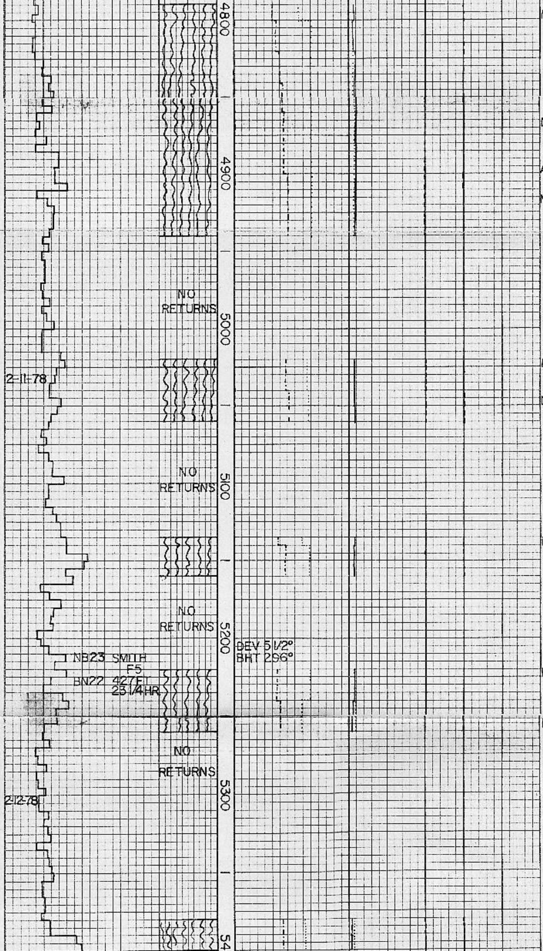
DOL-DK GRY, CALC

DOL-A/A, SS-BF-LT BRN

DOL-LT GRY, CALC VEINS, SS-VF-WH

DOL-LT GRY VF, CALC VEINS





MARBLE-CALC,WHT-
CLR,HD

MARBLE-CLR-WHT,
LT GRY, M-CRS
GN,GRANULOSE,
TR PYR,DOL
A/A TR GRAPHITE

MARB-A/A,GRY-WHT,
DOLOMITIC

MARB-WHT,FXLN,TR
PYR,HD

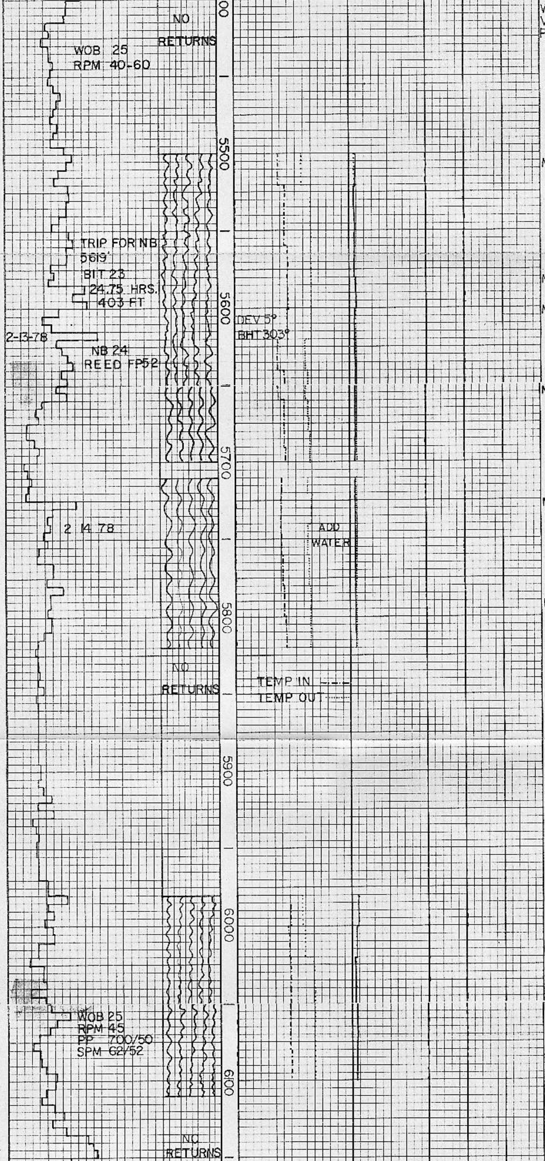
MARB-DK GRY,MXLN
TR PYR,FE STN,
DOLOMITIC,HD

MARB-WHT-LT GRY,
F-MXLN,TR PYR,
CHALCOPYR,HD

MARB-WHT,LT GRY,DK
SPOTTED I.P.F-
M XLN,TR PYR

MARBLE-WH,CLR
DOLO TR PYR
IN FRAC HD

MARBLE A/A
CAL



WT 8.5 FIL N/C
VIS 28 CL 2500
PH 11.0

MARB-WHT,CLR,LT GRY,F-MXLN,FRM,GRANULOSE,TR PRY

MARB-A/A,GRY

MARB-A/A,LT-DK GY

MARBLE-WH-CLR, PYR, POSS CHALCO, POSS GALENA, FXLN,HD

MARBLE WH CLR FXLN TR PYR H

MARBLE A/A

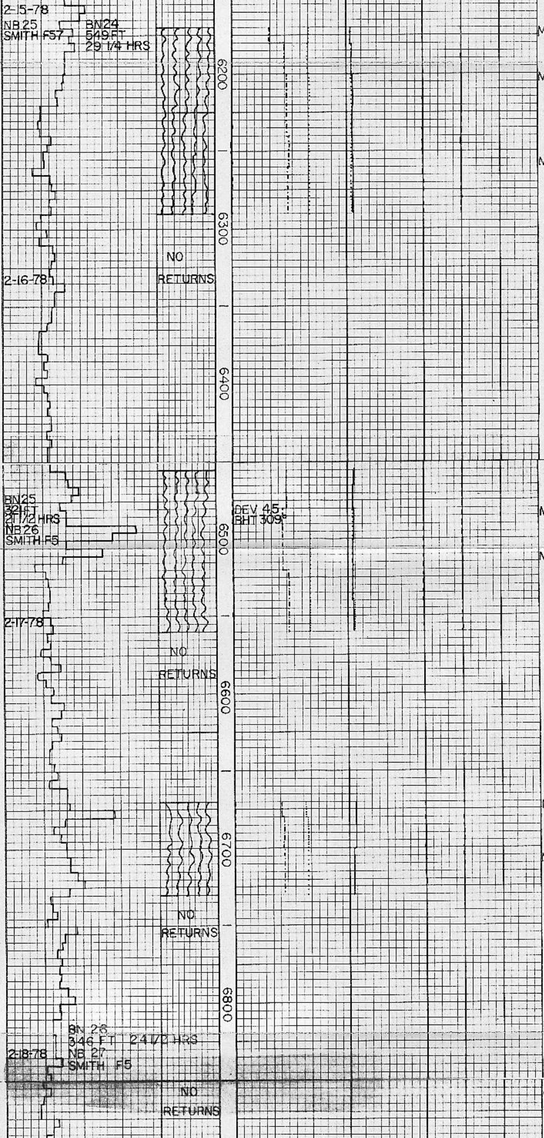
MARB-WHT,LT GRY,VF-F XLN,HD,TR PYR, CHALCO,GRAPH

MARB-A/A

MARB-WHT,DK GRY, BLK,HD,VF-FXLN, TR PYR, WOLLASTONITE

MARB-A/A,TR GAL

MARB-A/A,ABNDT WOLL,GRAPH



MARB-15% WOLL, SCALENOHEDRL CALC XTLS, TR GRAPH

MARB-WHT-GRY, GRY-GRN, ABNDT WOLL, PYR, CHALCOPYR, TR QTZ XLS, CHLORITE, POSS DIOPSIDE, ARSENOPYR, CUPRITE, HG MINERAL

MARB-WHT-LT GRY, VF-MXLN, HD, SHISTOSE I.P. TR GRAPH, PYR

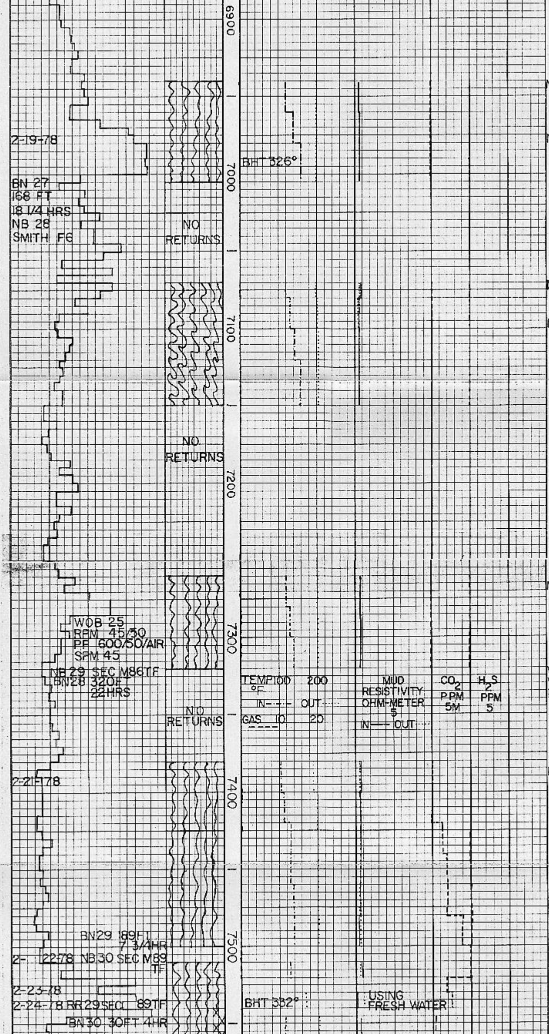
MARB-LT-DK GRY, WHT, DIOP ABNDT PHLOGOPITE, TR BIOT, CALC, WOLL

MARB-A/A, TR TALC

MARB WH LTGY WOLL DIOP PYR CHALCO POSS

MARB-WHT, VF-FXLN, TR WOLL, GRAPH PYR

WT 8.4 FIL N/C
VIS 28 CL 1920
PH 12.0



MARB-LT GRY-WHT, VF-FXLN, TR CHALCOPYR, BIOT, WOLL, GRAPH

MARB-A/A, TR PHLOG, DIOP, LT-DK GRN

MARB-A/A, TR CHLORITE

MARB-A/A, CHLORITE, DIOPSIDE, BIOT, TR PYR

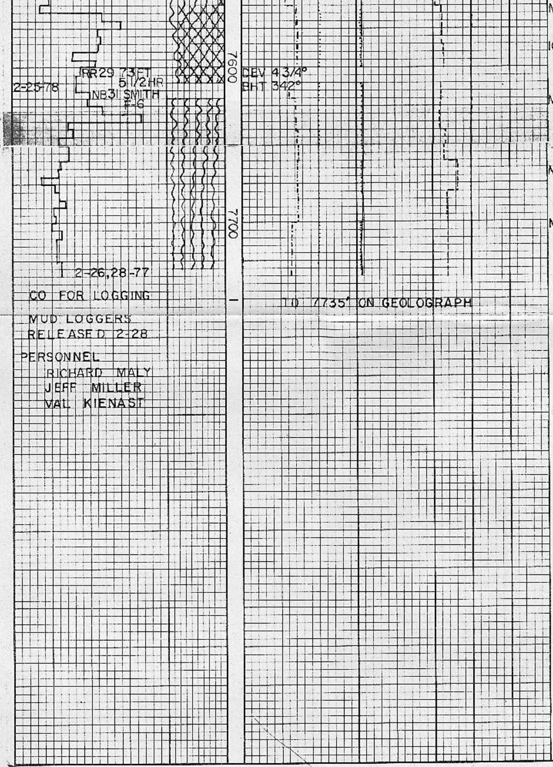
MARB-LT GRY-GRN, CHLORITE, BIOT, TR QTZ, ACTINOLITE, GRAPH, GARNET

WT 8.4 FIL N/C
VIS 28 CL 1850
PH 10

MARB-LT GRY-GRN, YEL-GRN, TR CHLOR, BIOT, QTZ, PYR, PHLOG

MARB-A/A, TR MUSCOVITE

META-LT-DK GRN SERPENTINE, POSS REPLACE OF MARB, TR SCAPOLITE, PYR



TD 7735' ON GEOLOGRAPH

CO FOR LOGGING

MUD LOGGERS
RELEASED 2-28

PERSONNEL
RICHARD MALY
JEFF MILLER
VAL KIENAST

META-CLR-WHT,GRN-LT GRN,SERP,TR BIOT,MUSC,CALC

IGN-CLR,WHT,LT PNK WHT,QTZ,FELD, TR MAG

META-VARI COL,MARB SERP,EPIDOTE, DIOP,TR BIOT,PYR MAG,PHLOG

META-VARI COL,MARB, SERP,EPID,DIOP,TR BIOT,PYR,MAG,PHLOG,MUSC

META-A/A,TR GRAPH, HORNBLENDE,TREMOLITE,CALC