

Company: CORE ENERGY LLC.
BATELLE
Well: ST. CHARLTON 4-30
Field: CHARLTON
County: OTSEGO

State: MICHIGAN

PSP-PRESSURE / TEMPERATUR
GAMMA RAY / CCL

County: OTSEGO
Field: CHARLTON
Location: NE / 4, SW / 4, SW / 4,
Well: ST. CHARLTON 4-30
Company: CORE ENERGY LLC.

| LOCATION | | | |
|---|--|---|--------------|
| NE / 4, SW / 4, SW / 4, 866' FSL & 1442' FWL CHARLTON TWP. | Elev.: K.B. 1201 ft G.L. 1188 ft D.F. 1200 ft | | |
| Permanent Datum: _____ Log Measured From: _____ Drilling Measured From: _____ | GROUND LEVEL _____ KELLY BUSHING _____ KELLY BUSHING _____ | Elev.: 1188 ft _____ 13.0 ft above Perm. Datum | |
| API Serial No. 21-137-57916 | Section 30 | Township 31N | Range 01W |

| PVT DATA | | | |
|-------------------------------|----------|-------|-------|
| Oil Density | Run 1 | Run 2 | Run 3 |
| Water Salinity | | | |
| Gas Gravity | | | |
| Bo | | | |
| Bw | | | |
| 1/Bg | | | |
| Bubble Point Pressure | | | |
| Bubble Point Temperature | | | |
| Solution GOR | | | |
| Maximum Deviation | | | |
| CEMENTING DATA | | | |
| Primary/Squeeze | Primary | | |
| Casing String No | | | |
| Lead Cement Type | | | |
| Volume | | | |
| Density | | | |
| Water Loss | | | |
| Additives | | | |
| Tail Cement Type | | | |
| Volume | | | |
| Density | | | |
| Water Loss | | | |
| Additives | | | |
| Expected Cement Top | | | |
| Logging Date | | | |
| Run Number | | | |
| Depth Driller | | | |
| Schlumberger Depth | | | |
| Bottom Log Interval | | | |
| Top Log Interval | | | |
| Casing Fluid Type | | | |
| Salinity | | | |
| Density | | | |
| Fluid Level | | | |
| BIT/CASING/TUBING STRING | | | |
| Bit Size | | | |
| From | | | |
| To | | | |
| Casing/Tubing Size | | | |
| Weight | | | |
| Grade | | | |
| From | | | |
| To | | | |
| Maximum Recorded Temperatures | | | |
| Logger On Bottom | | | |
| Unit Number | Location | | |
| Recorded By | | | |
| Witnessed By | | | |

| | | | |
|-------------------------------|-------------|-------------|--|
| Logging Date | | 12-Feb-2008 | |
| Run Number | 1 | | |
| Depth Driller | 5800 ft | | |
| Schlumberger Depth | 3406 ft | | |
| Bottom Log Interval | 3400 ft | | |
| Top Log Interval | 0 ft | | |
| Casing Fluid Type | | | |
| Salinity | | | |
| Density | | | |
| Fluid Level | | | |
| BIT/CASING/TUBING STRING | | | |
| Bit Size | 8.000 in | | |
| From | | | |
| To | | | |
| Casing/Tubing Size | 2.375 in | | |
| Weight | 0 lbm/ft | | |
| Grade | TUBING | | |
| From | 0 ft | | |
| To | 3438 ft | | |
| Maximum Recorded Temperatures | | | |
| Logger On Bottom | 12-Feb-2008 | 20:00 | |
| Unit Number | Location | | |
| Recorded By | 333 | BECKLEY, WV | |
| Witnessed By | LAMONT LEE | | |
| | JOE HERPST | | |

DISCLAIMER

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES1

OS1: NONE

QS2:

OS3:

OS4:

OS5:

OTHER SERVICES2

OS1:

OS2:

OS3:

OS4:

OS5:

REMARKS: RUN NUMBER 1

REMARKS: RUN NUMBER 2

CORRELATED TO BAKER HUGHES DIFFERENTIAL TEMPERATURE GAMMA

RAY LOG 06-FEB-2008

THANK YOU FOR CHOOSING SCHI LUMBERGER

RUN 1

SERVICE ORDER #:

15C0-309

FLUID LEVEL:

LOGGED INTERVAL

START

STOP

RUN 2

SERVICE ORDER #:

SERVICE ORDER #:
PROGRAM VERSION:

FLUID LEVEL:

LOGGED INTERVAL

START

STOP

EQUIPMENT DESCRIPTION

RUN 1

RUN 2

SURFACE EQUIPMENT

WITM-A
PSC 16MHZ

DOWNHOLE EQUIPMENT

MH-22
MH-22

15.8

EQF-38
EQF-38

14.3

PSPT-A/B
PSC-A
PSPT-A
PSTC
PBMS-A
10k_Sapphire_Mano
RTD_Thermometer
GR
CCL
PBMS

Detail MT
TelStatus
CTEM

8.3

8.3

GR

4.6

Well_Temp
Manometer

1.5

1.4

CCL

0.7

PSTC HV
Tension PBMS

0.0

TOOL ZERO

MAXIMUM STRING DIAMETER 1.69 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET



MAIN LOG

MAXIS Field Log

Company: CORE ENERGY LLC. Well: ST. CHARLTON 4-30

Input DLIS Files

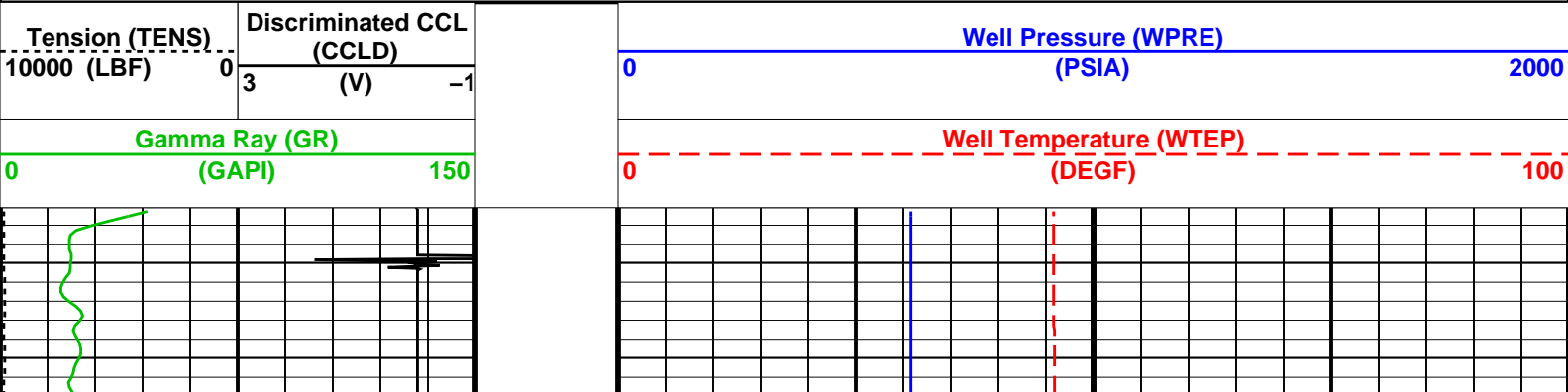
DEFAULT SPLICE_FLIP_PSP_022 FN:1 PRODUCER 19-Dec-2007 10:04 3448.0 FT 72.1 FT

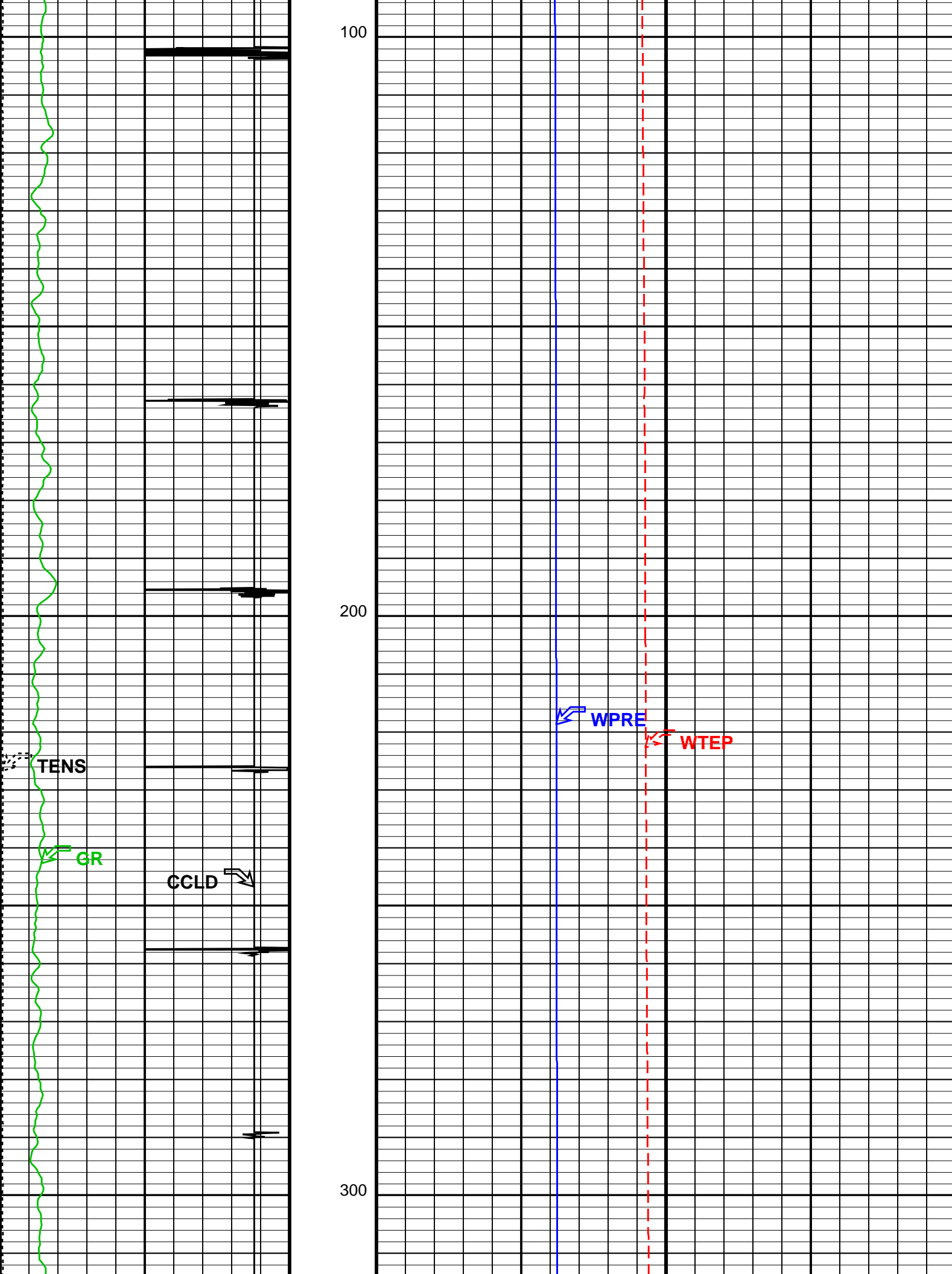
Output DLIS Files

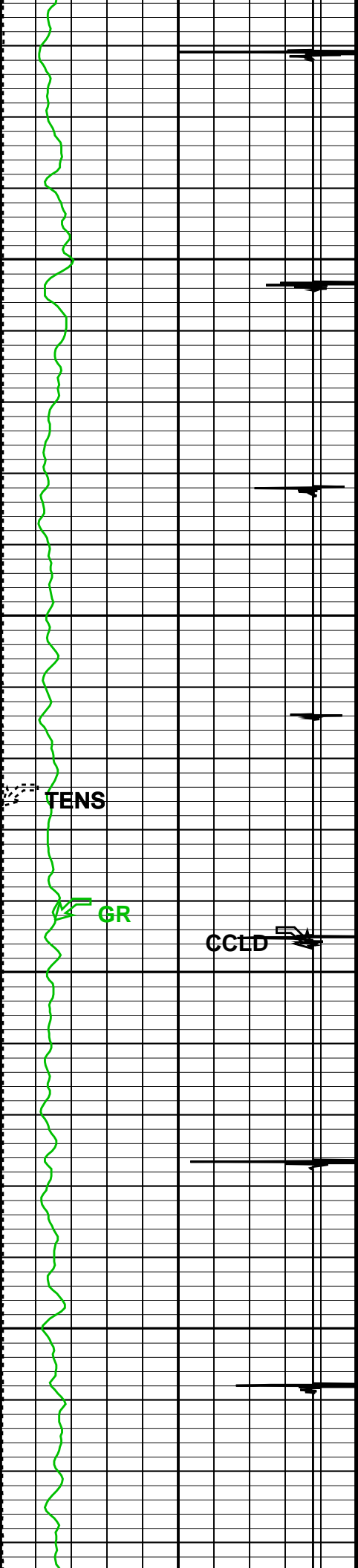
DEFAULT PSP_023PUP FN:17 PRODUCER 19-Dec-2007 10:09 3448.0 FT 74.0 FT

OP System Version: 15C0-309
MCM

PSPT-A/B SPC-3395-IFLEX







400

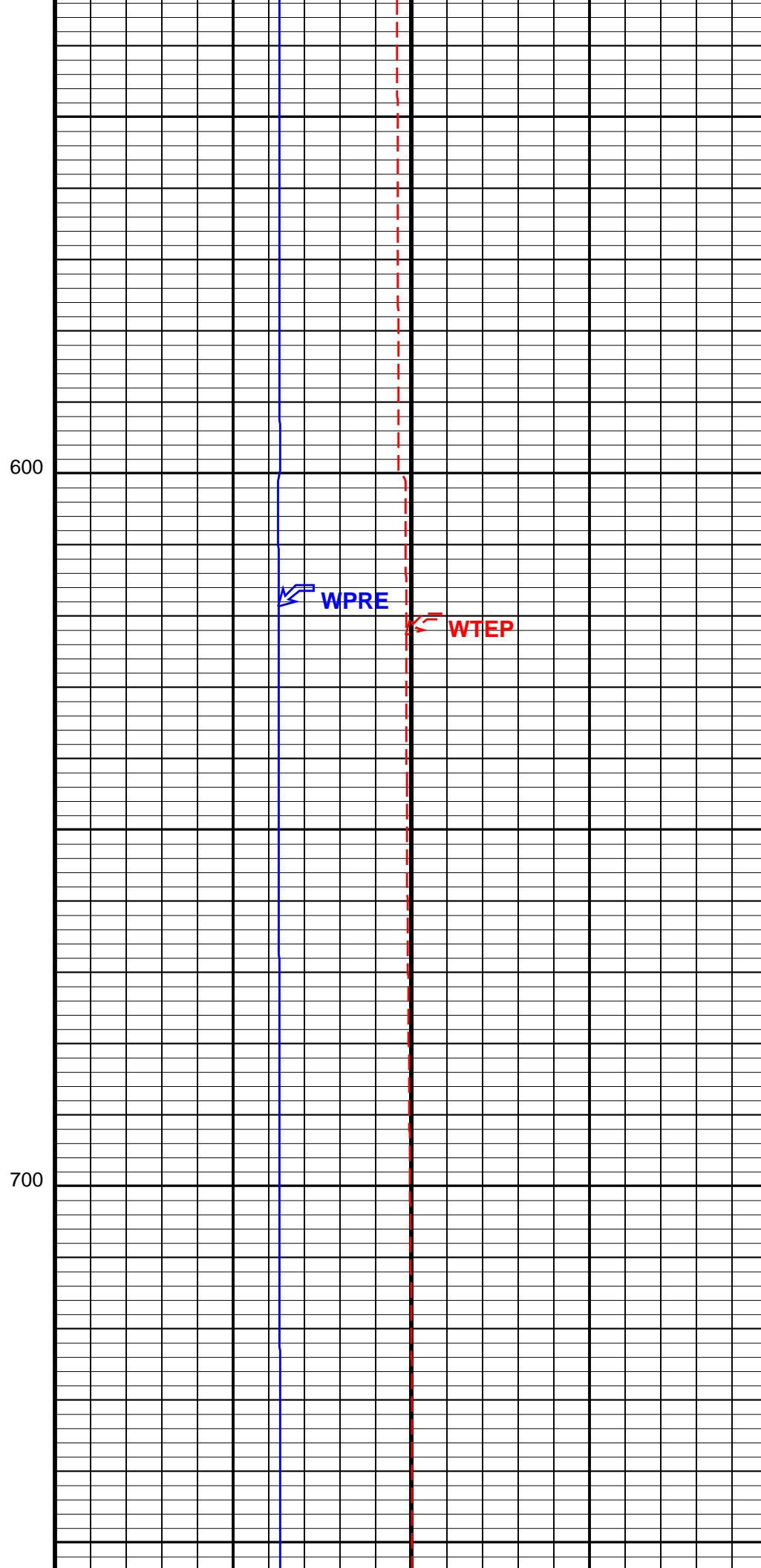
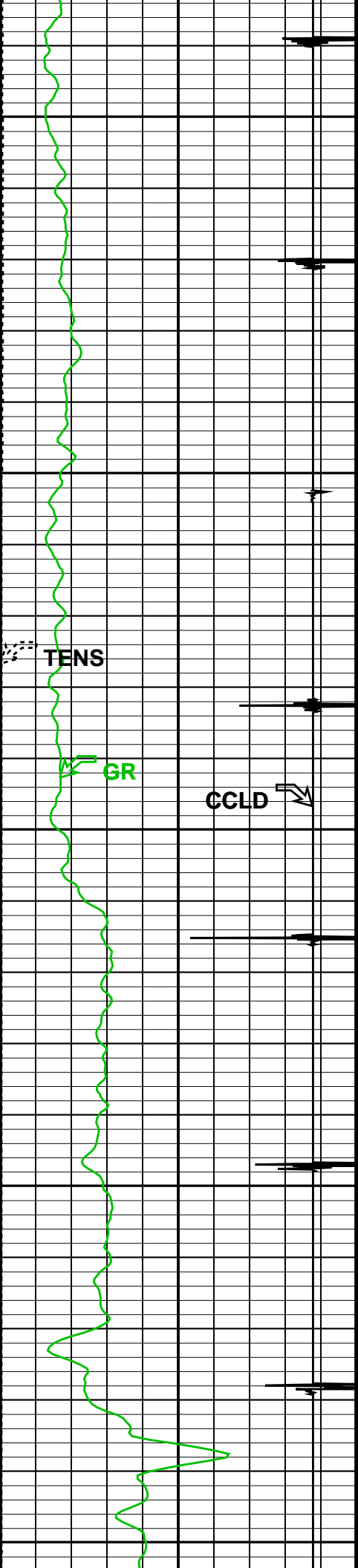
500

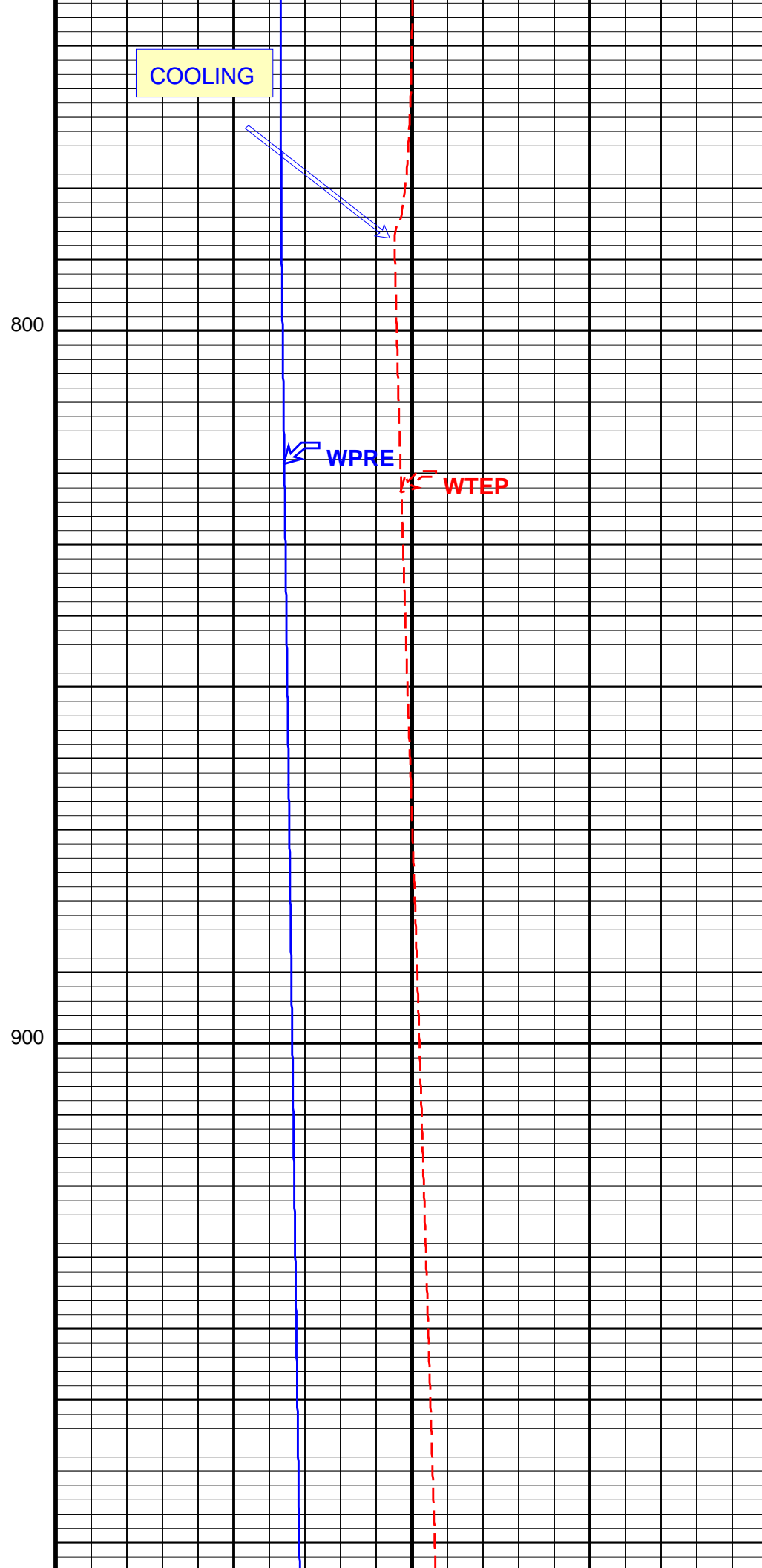
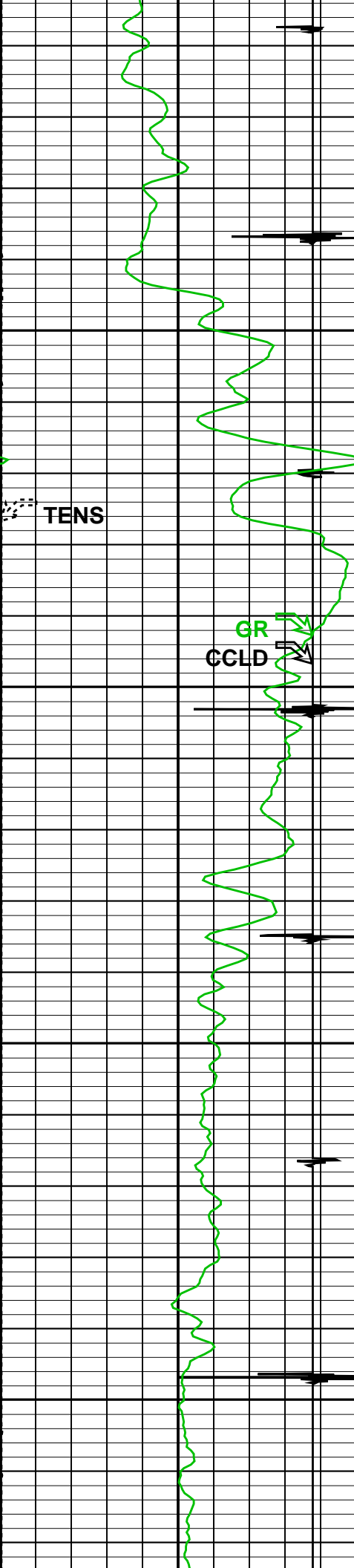


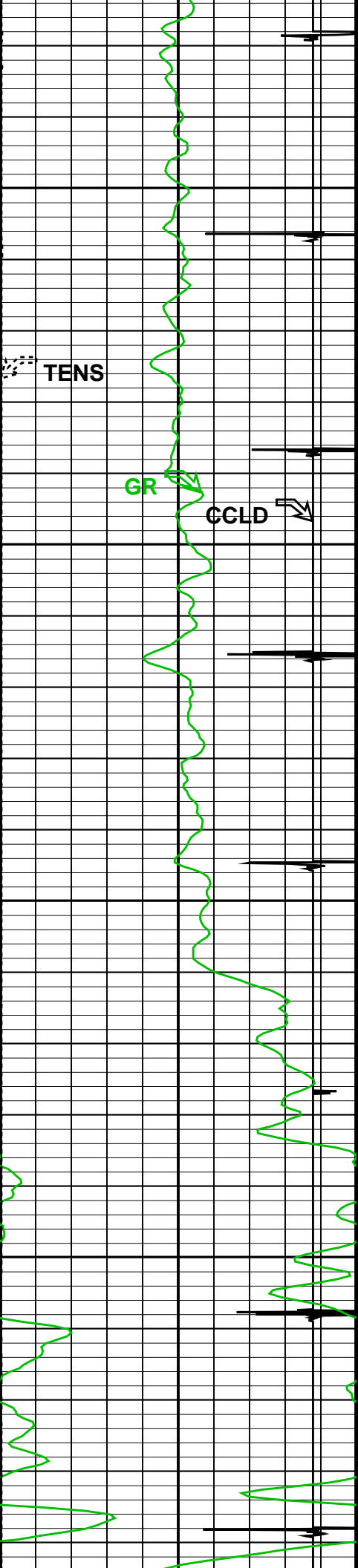
WPRE



WTEP



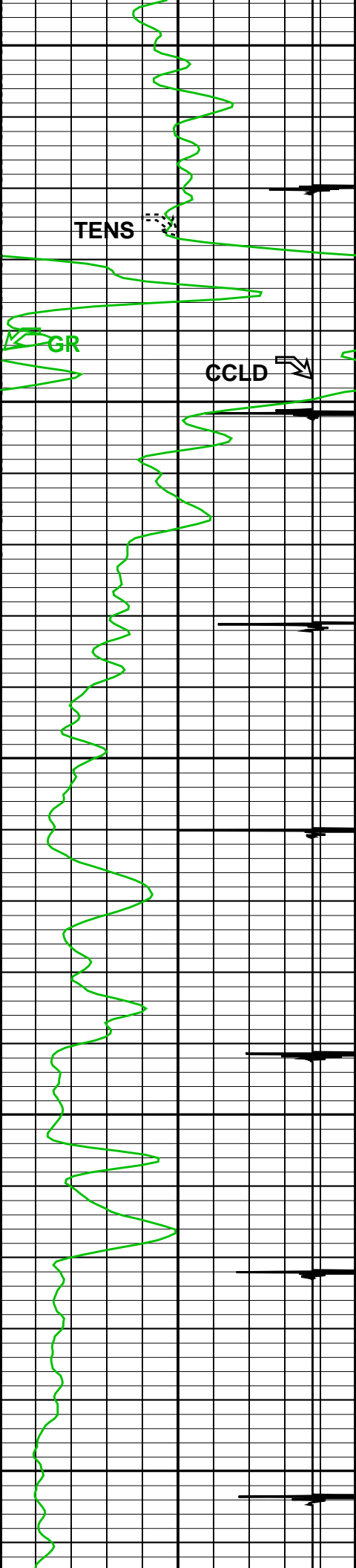




1000

1100

WPRE
WTEP



1200

1300

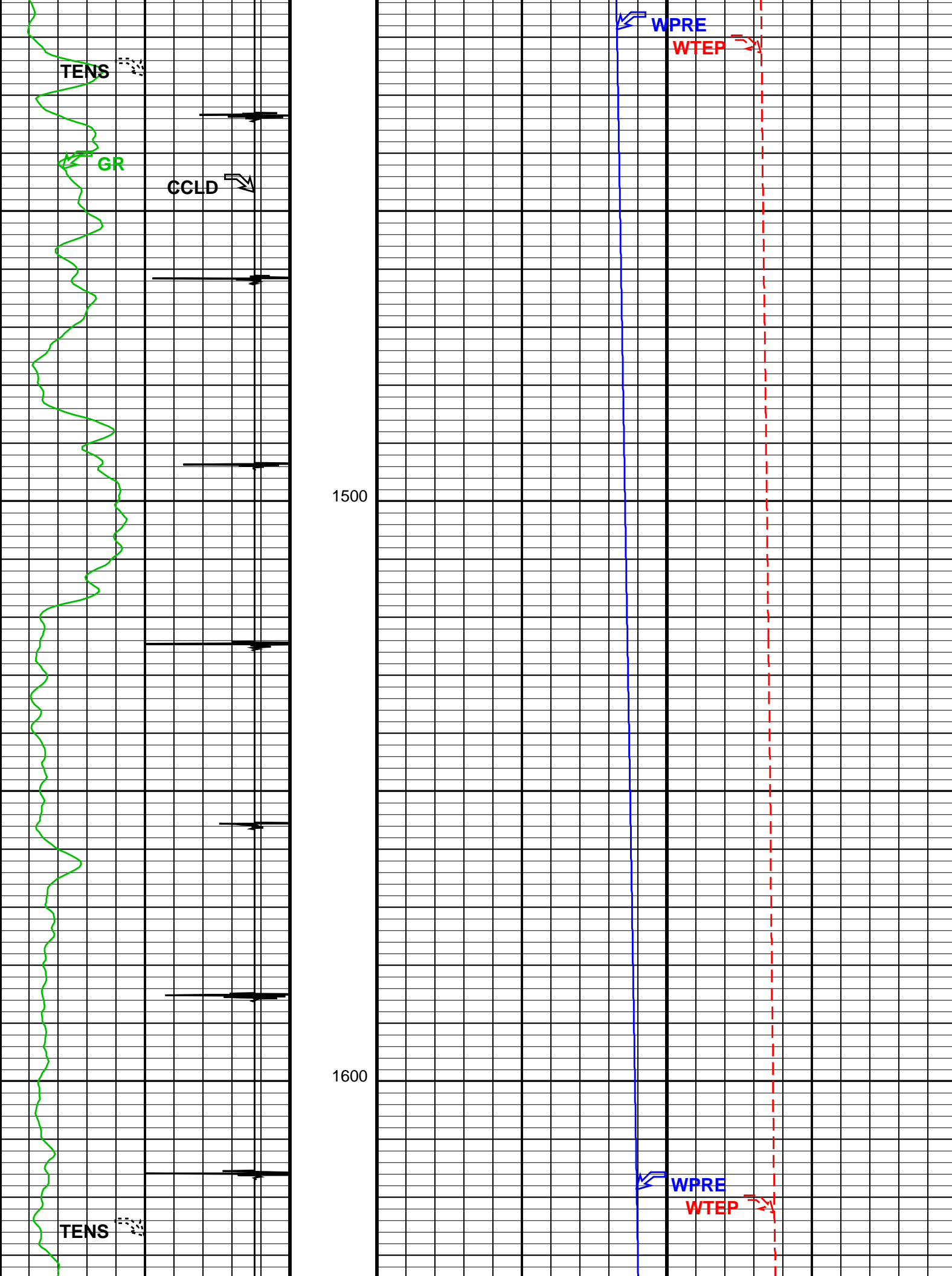
1400

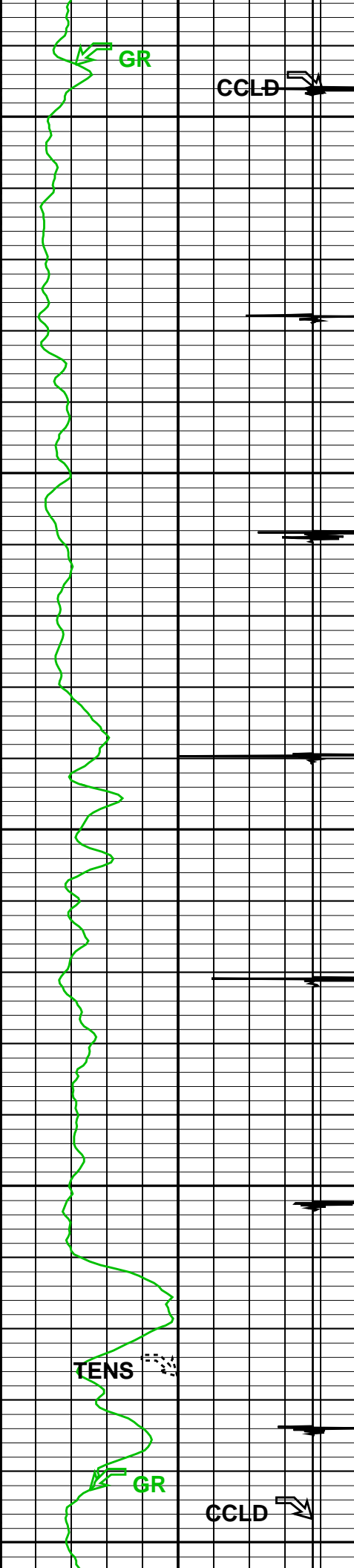


WPRE

WTEP

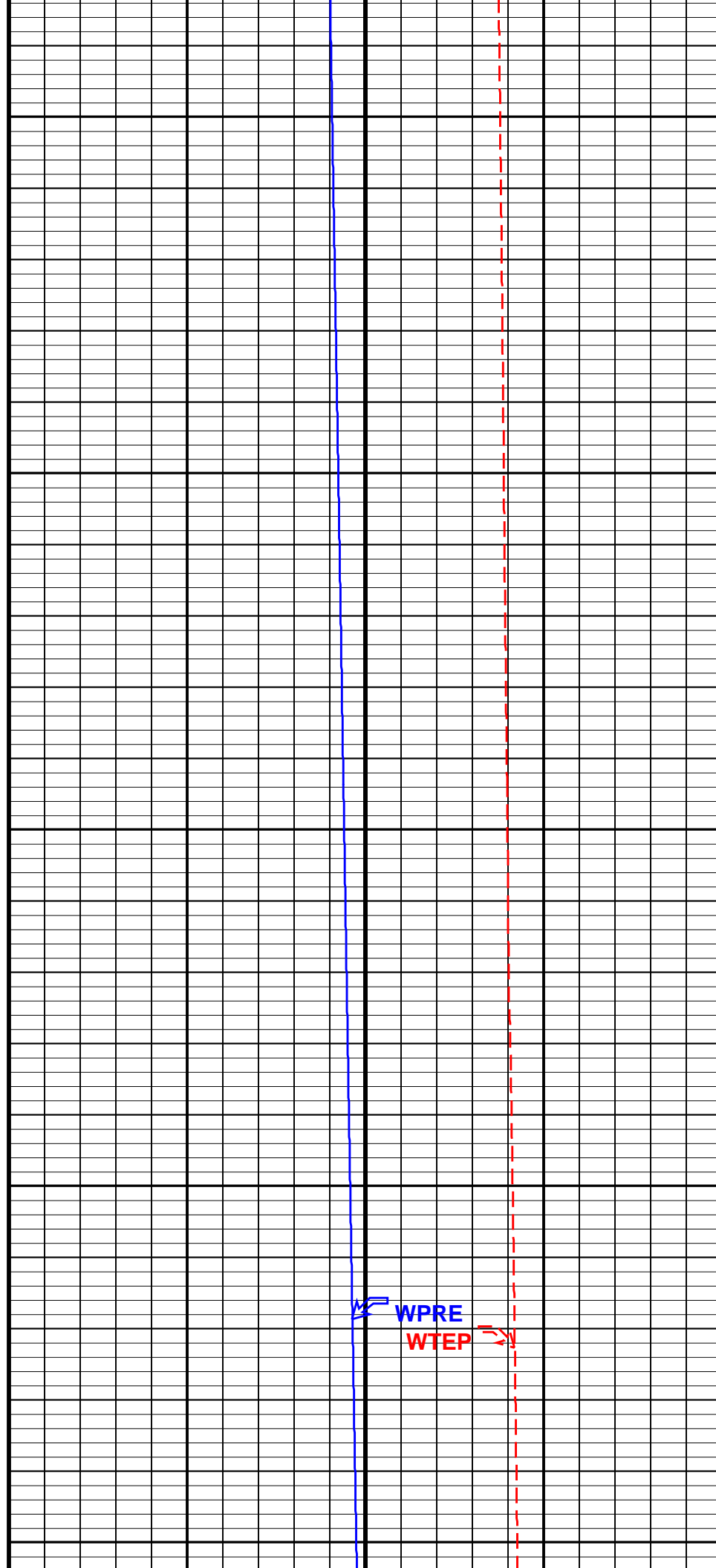






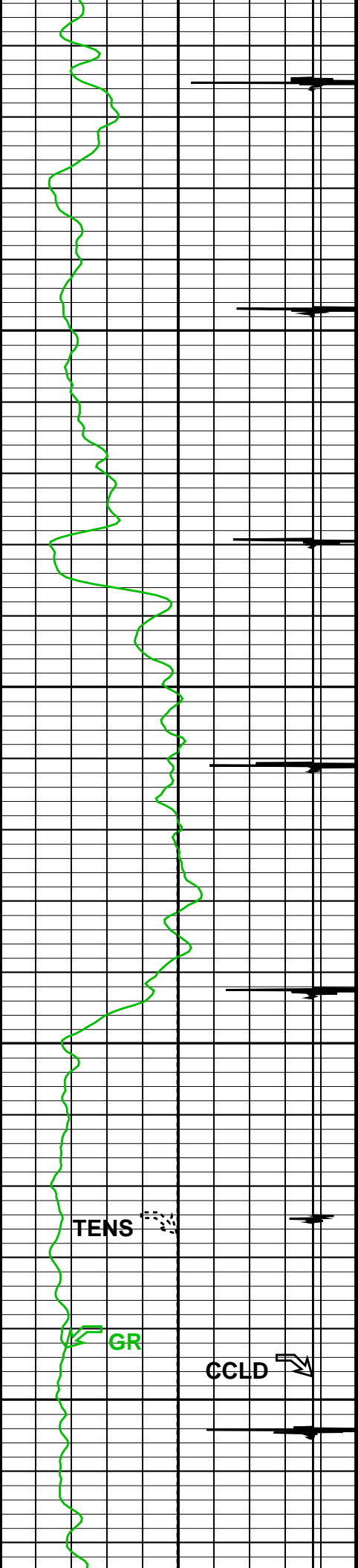
1700

1800



WPRE

WTEP

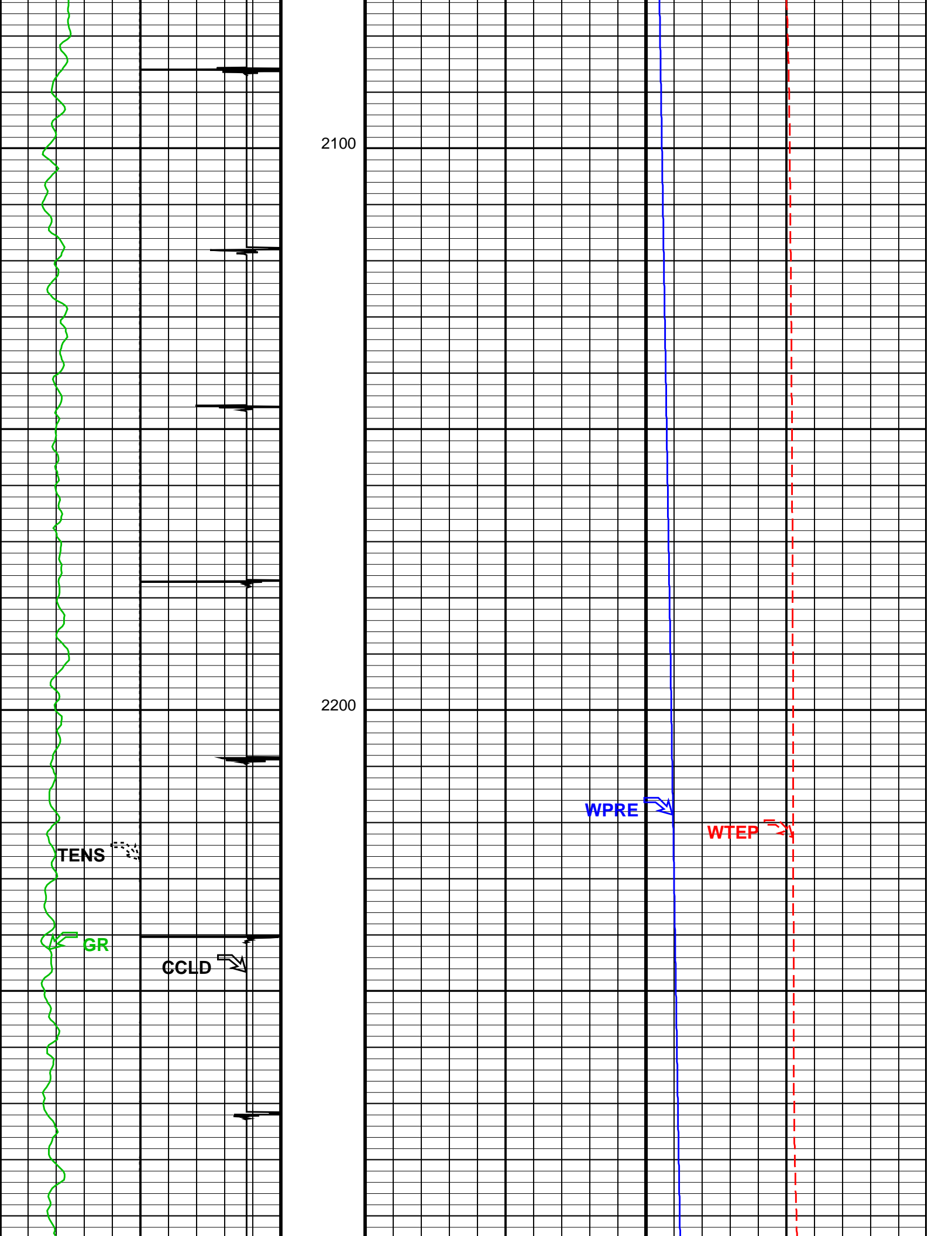


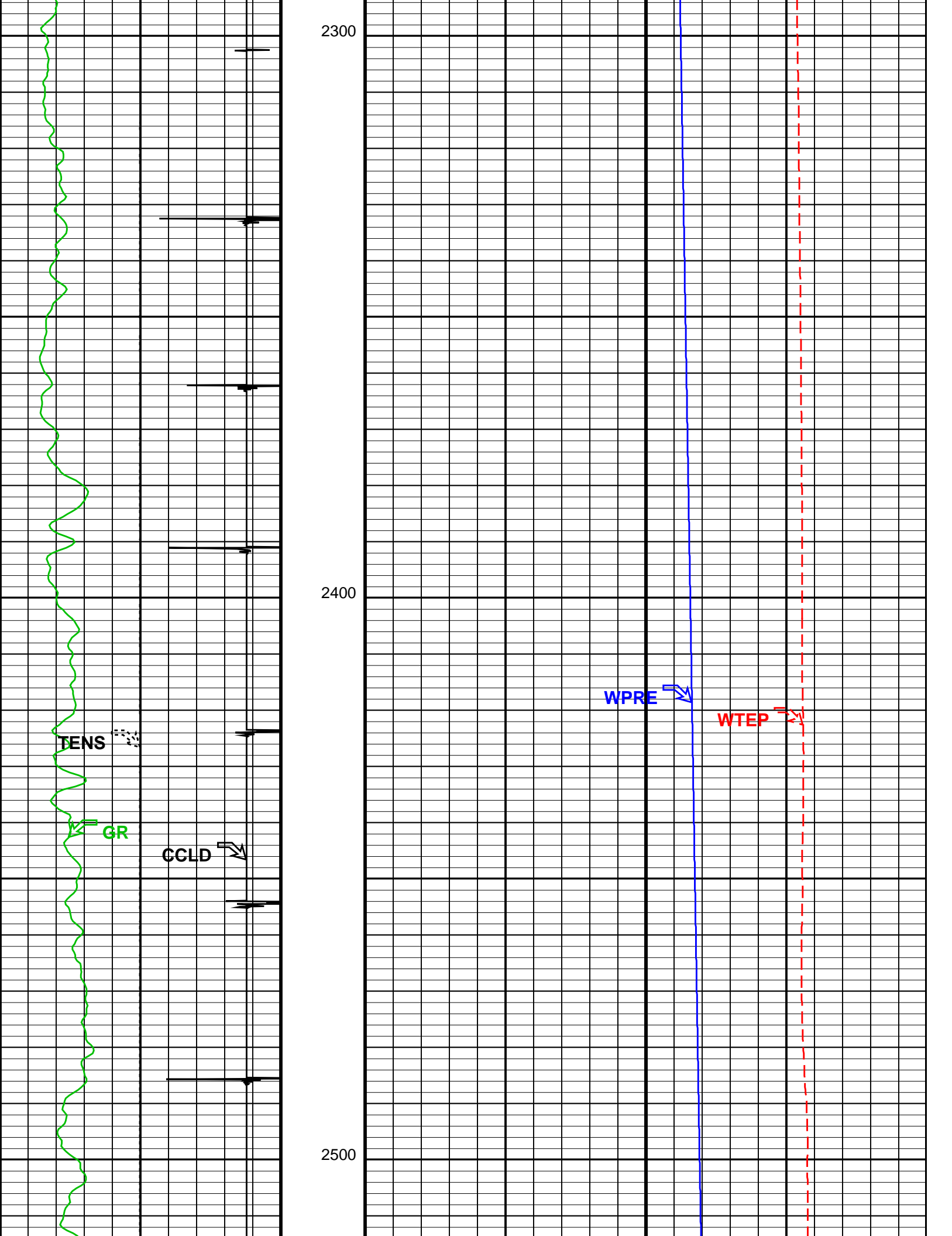
1900

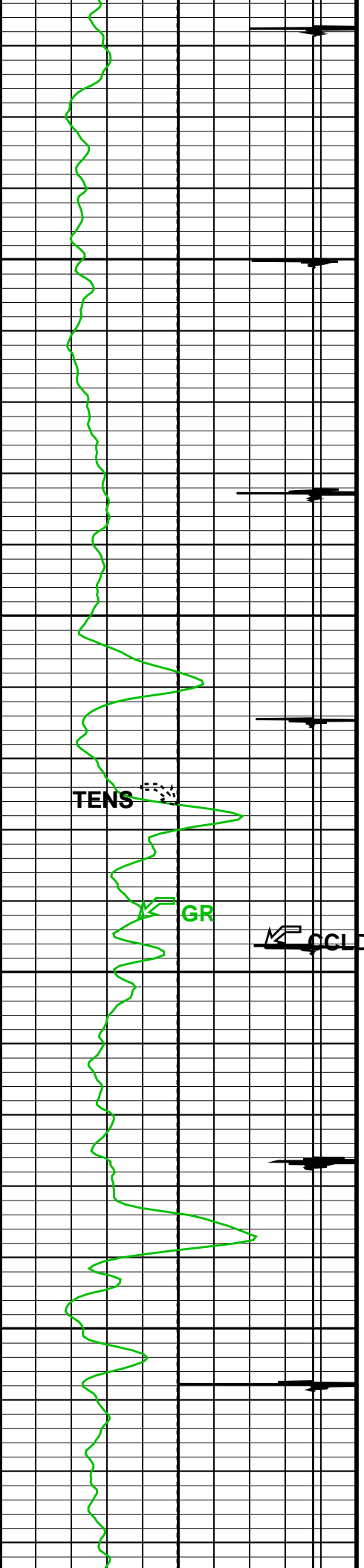
2000

WPRE

WTEP





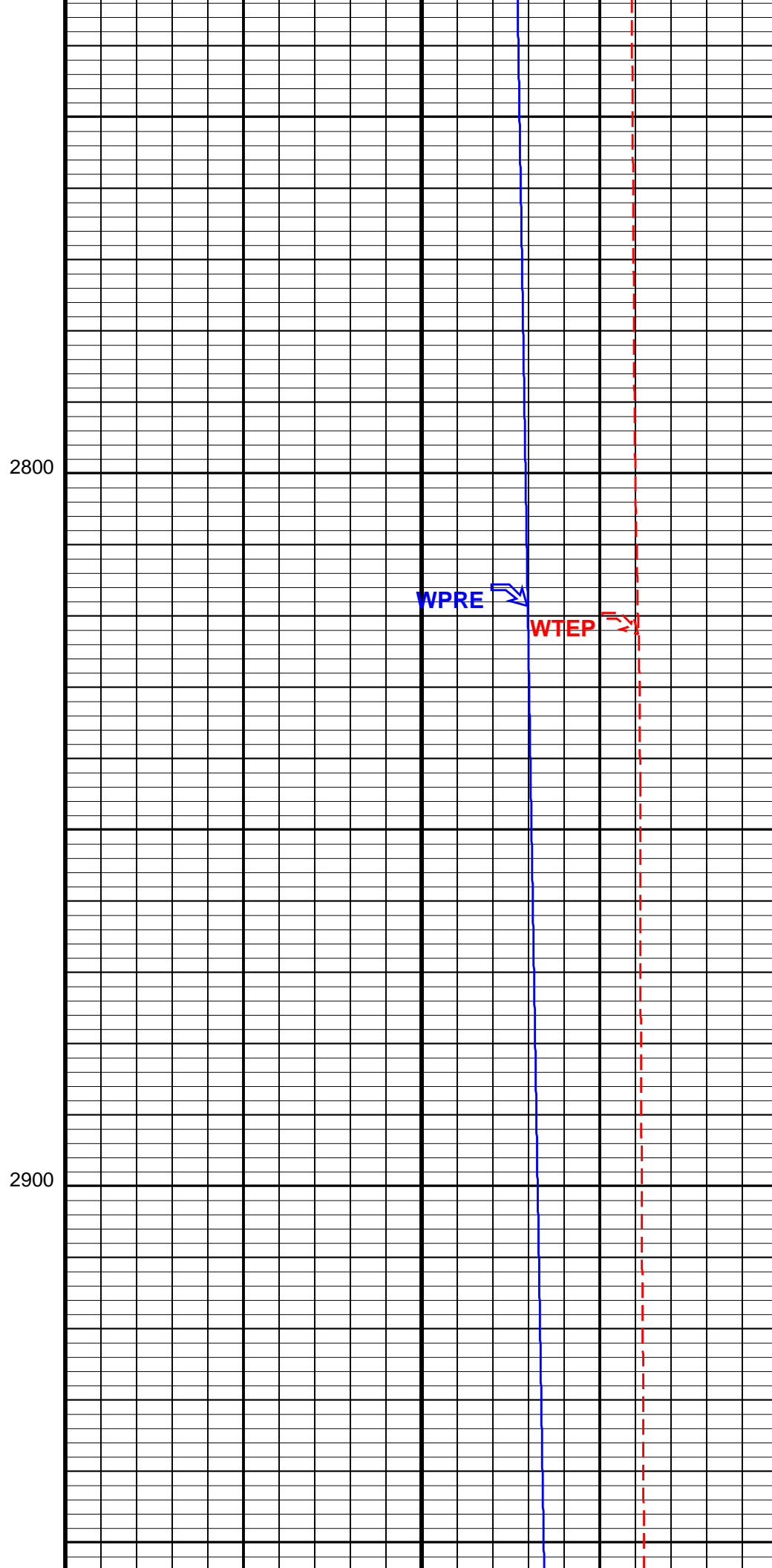
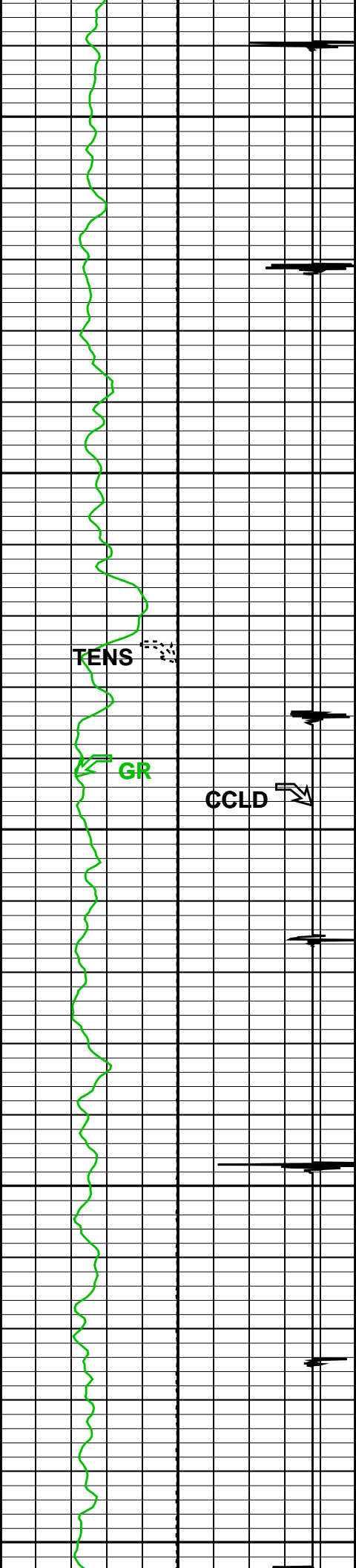


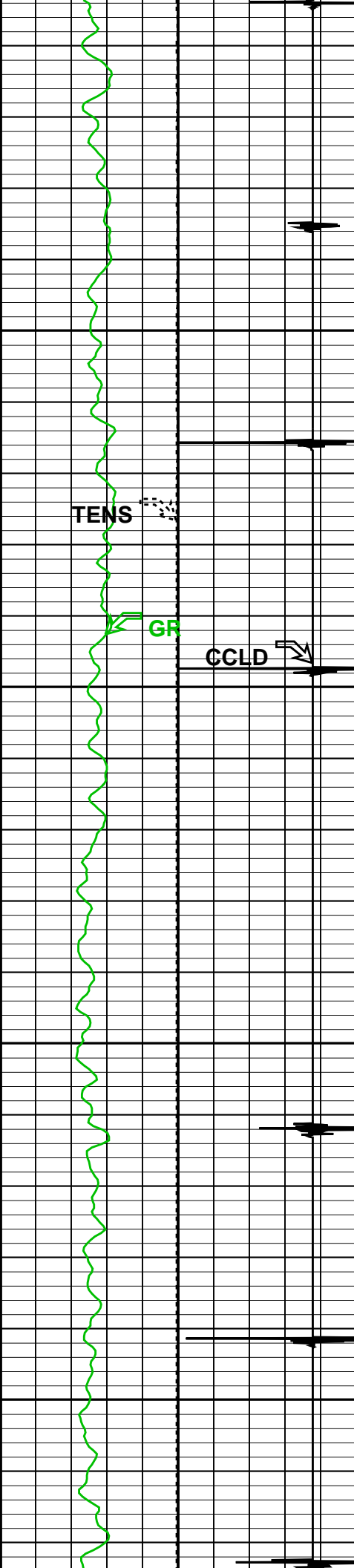
2600

2700

WPRE

WTEP



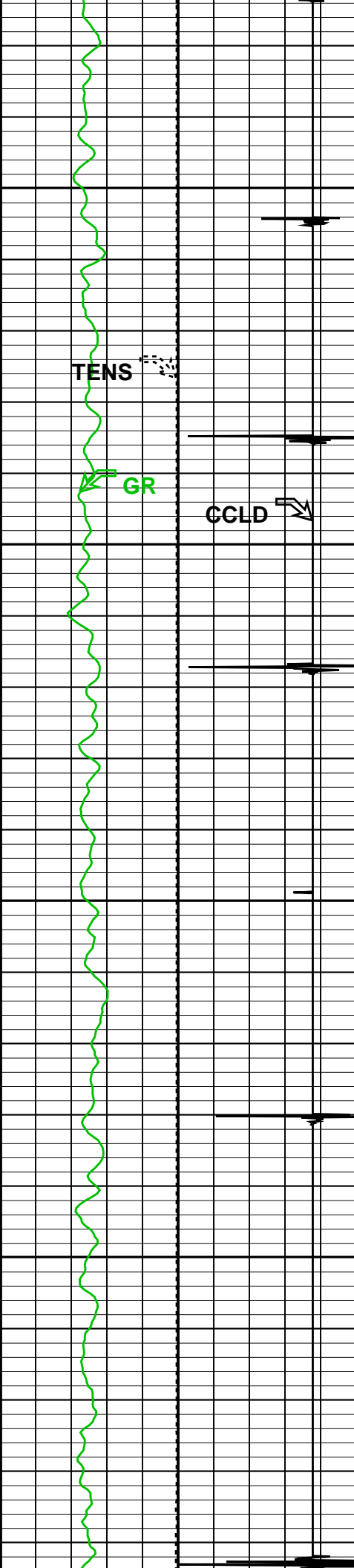


3000

3100

WPRE

WTER

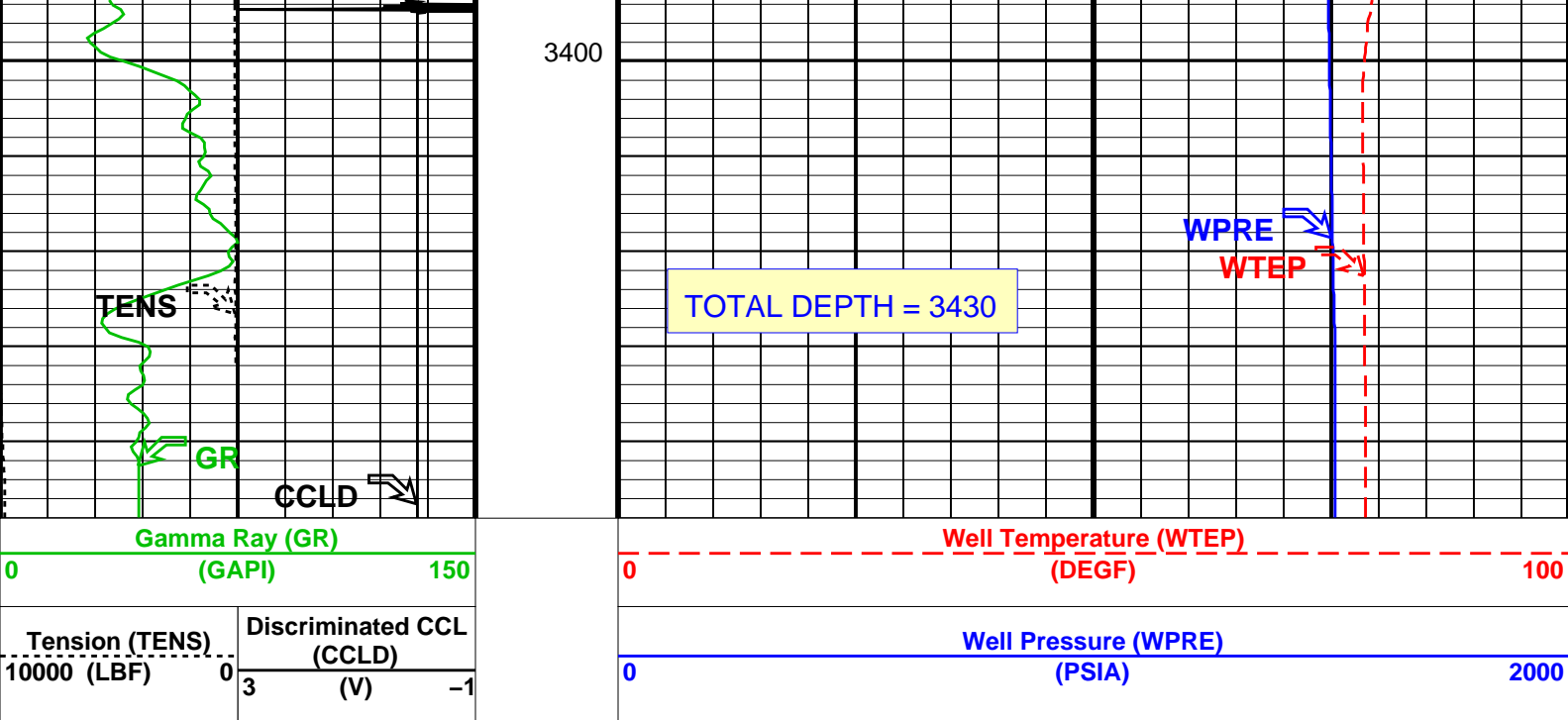


3200

3300

WPRE

WTEP



Parameters

| DLIS Name | Description | Value |
|-----------|--|------------------|
| DO PP | System and Miscellaneous Depth Offset for Playback Playback Processing | 0.0 FT NORMAL |

Format: CORRELATION Vertical Scale: 5" per 100' Graphics File Created: 19-Dec-2007 10:09

OP System Version: 15C0-309 MCM

PSPT-A/B SPC-3395-IFLEX

Input DLIS Files

| | | | | | | |
|---------|---------------------|------|----------|-------------------|-----------|---------|
| DEFAULT | SPLICE_FLIP_PSP_022 | FN:1 | PRODUCER | 19-Dec-2007 10:04 | 3448.0 FT | 72.1 FT |
|---------|---------------------|------|----------|-------------------|-----------|---------|

Output DLIS Files

| | | | | | | |
|---------|------------|-------|----------|-------------------|--|--|
| DEFAULT | PSP_023PUP | FN:17 | PRODUCER | 19-Dec-2007 10:09 | | |
|---------|------------|-------|----------|-------------------|--|--|

Schlumberger

CALIBRATION PASS SIMULATED DEPTH LOG

MAXIS Field Log

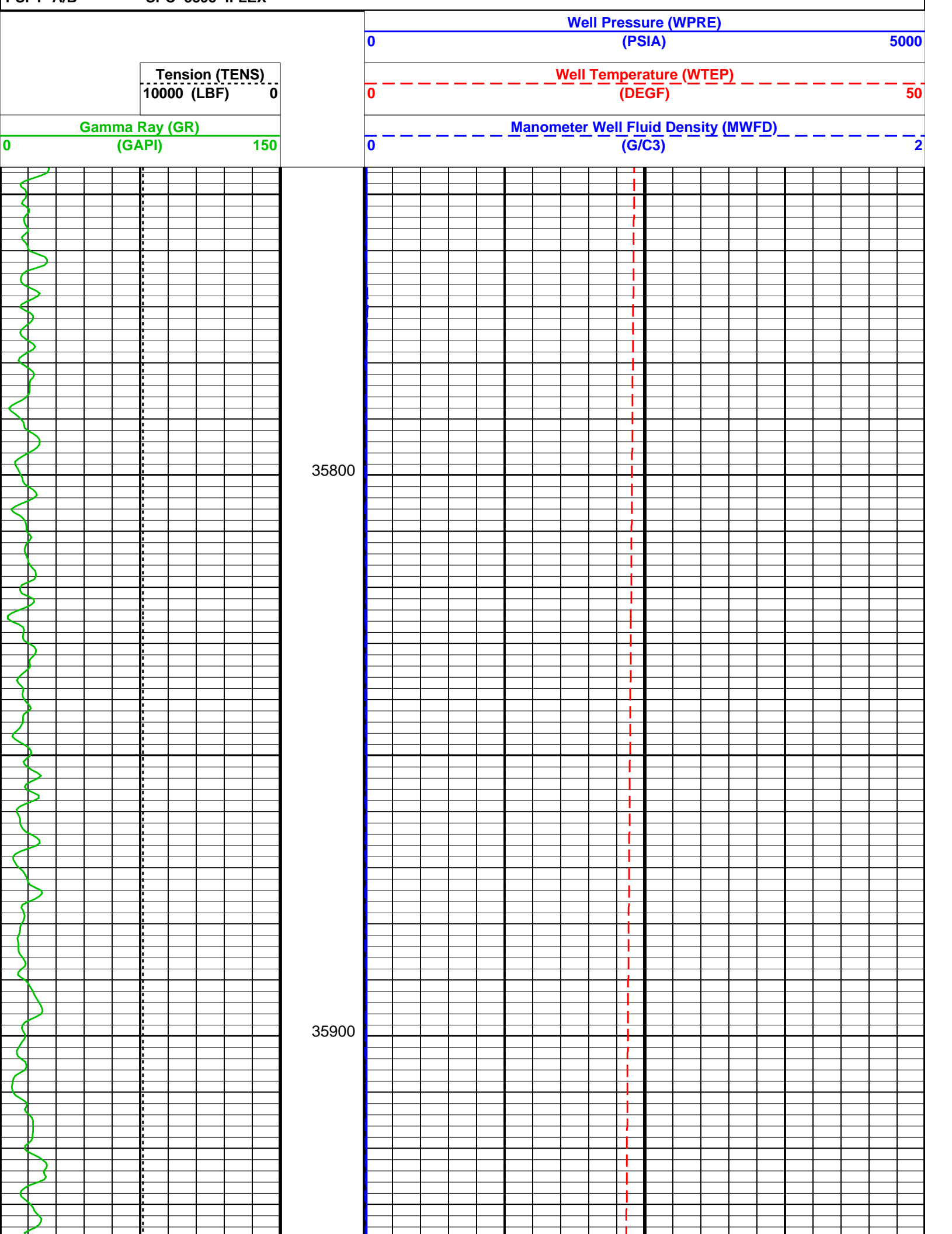
Company: Well:

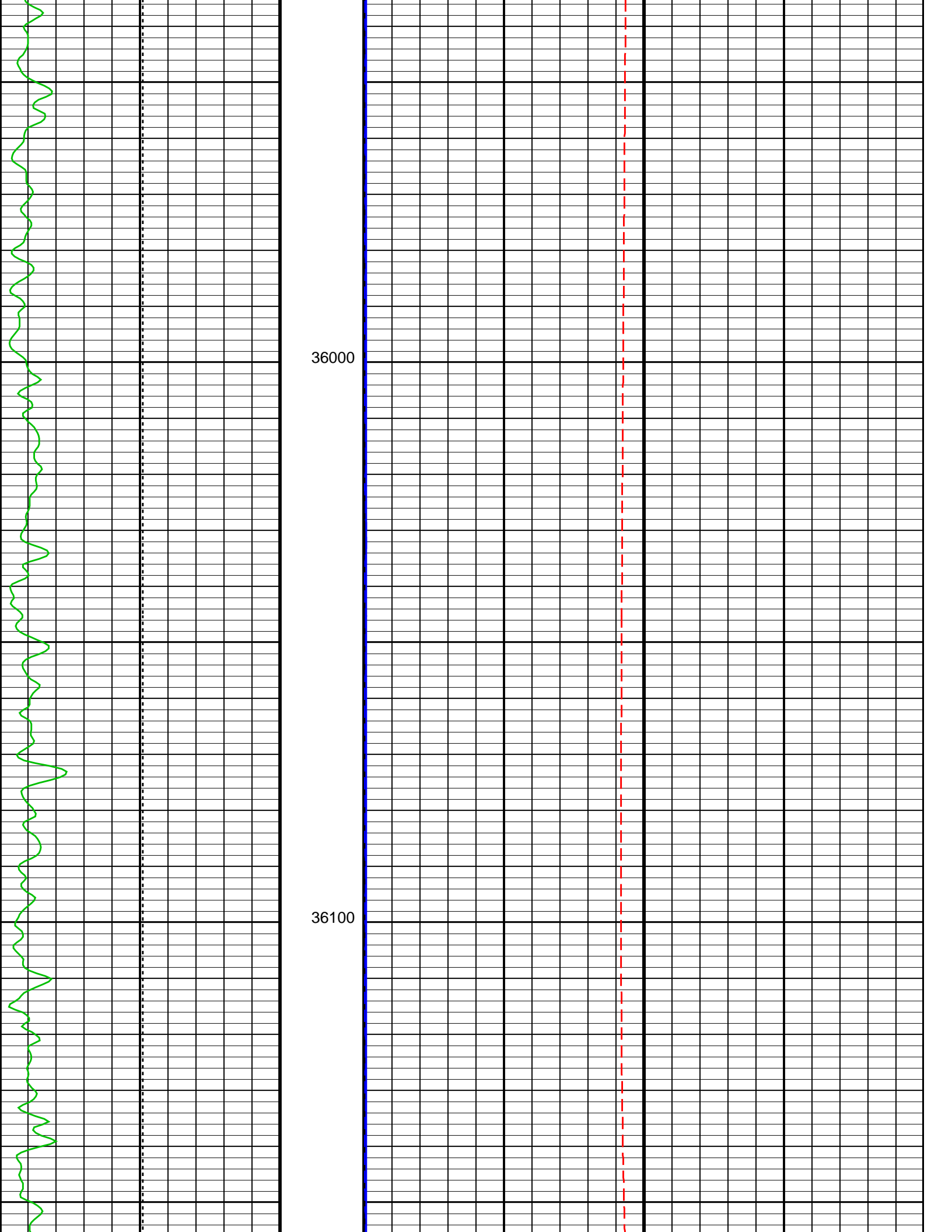
Output DLIS Files

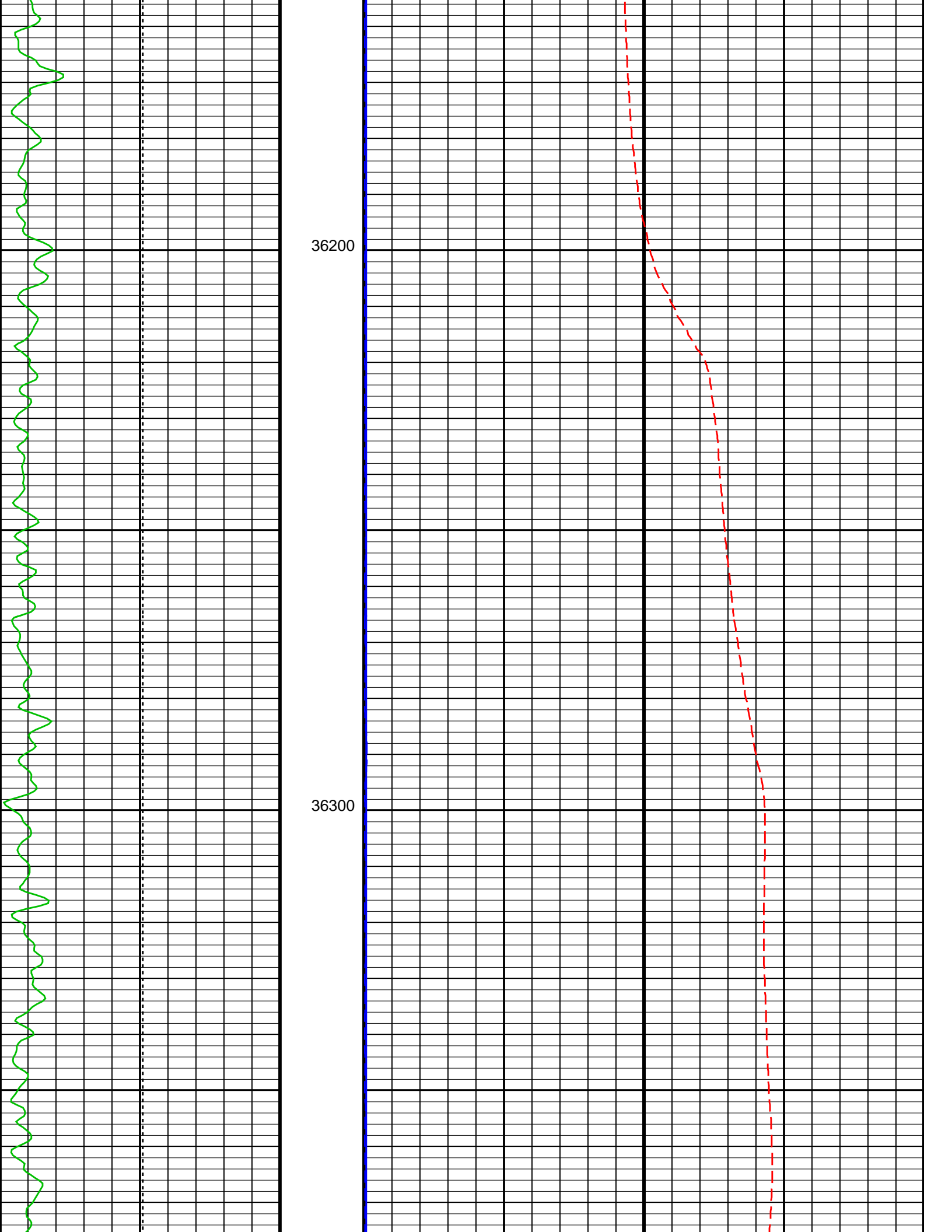
| | | | | | | |
|---------|------------|------|----------|-------------------|------------|------------|
| DEFAULT | PSP_008LUP | FN:7 | PRODUCER | 19-Dec-2007 09:55 | 40000.0 FT | 35745.0 FT |
|---------|------------|------|----------|-------------------|------------|------------|

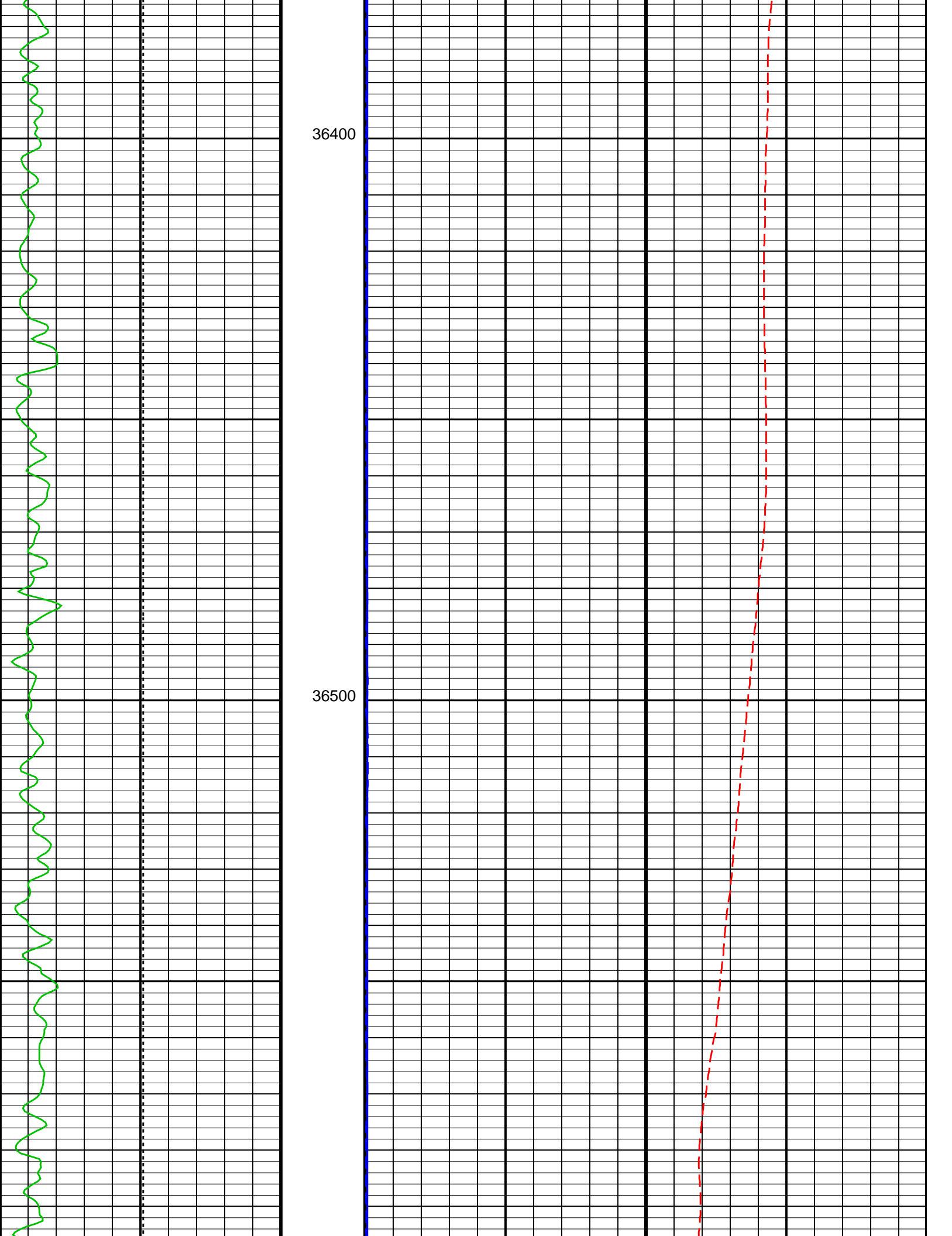
OP System Version: 15C0-309 MCM

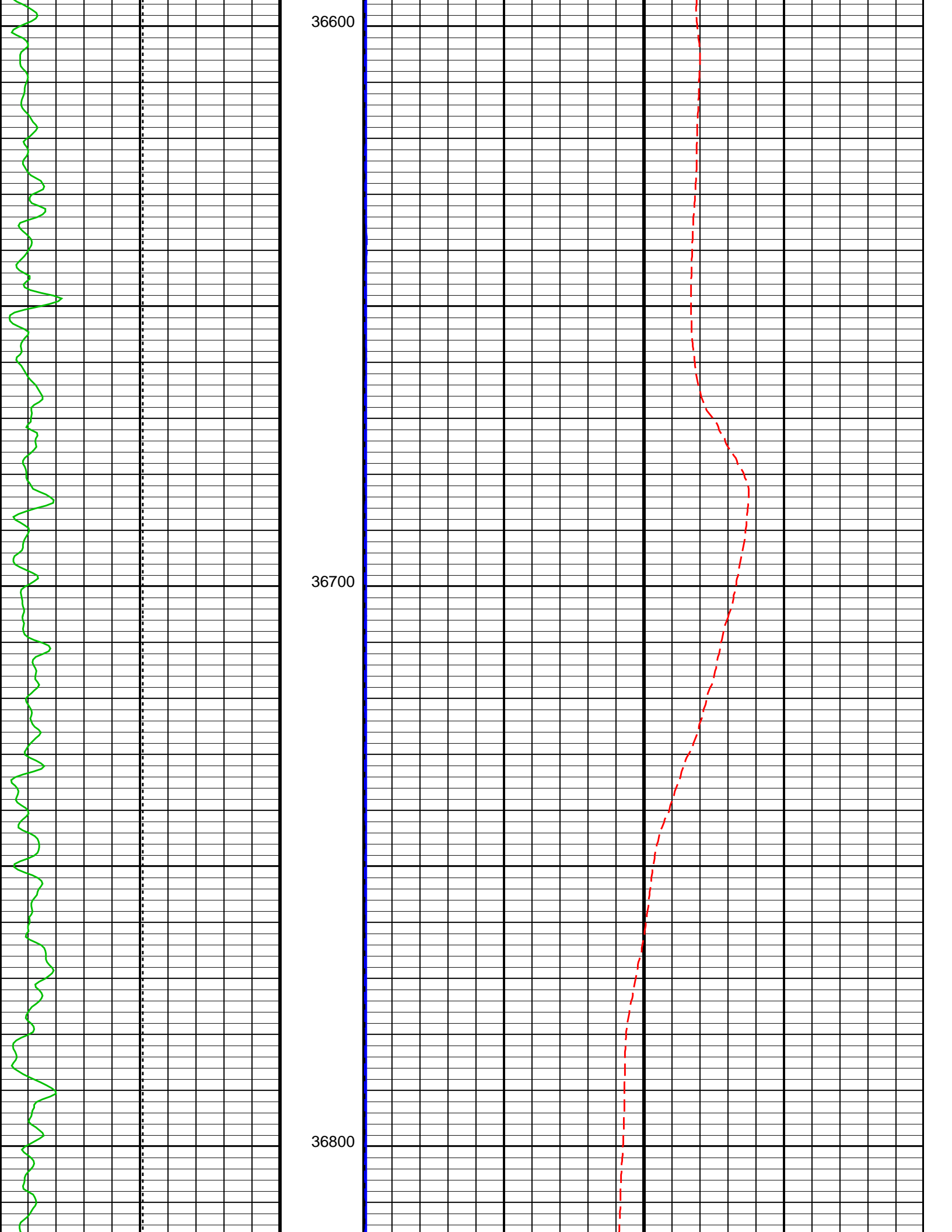
PSPT-A/B SPC-3395-IFLEX

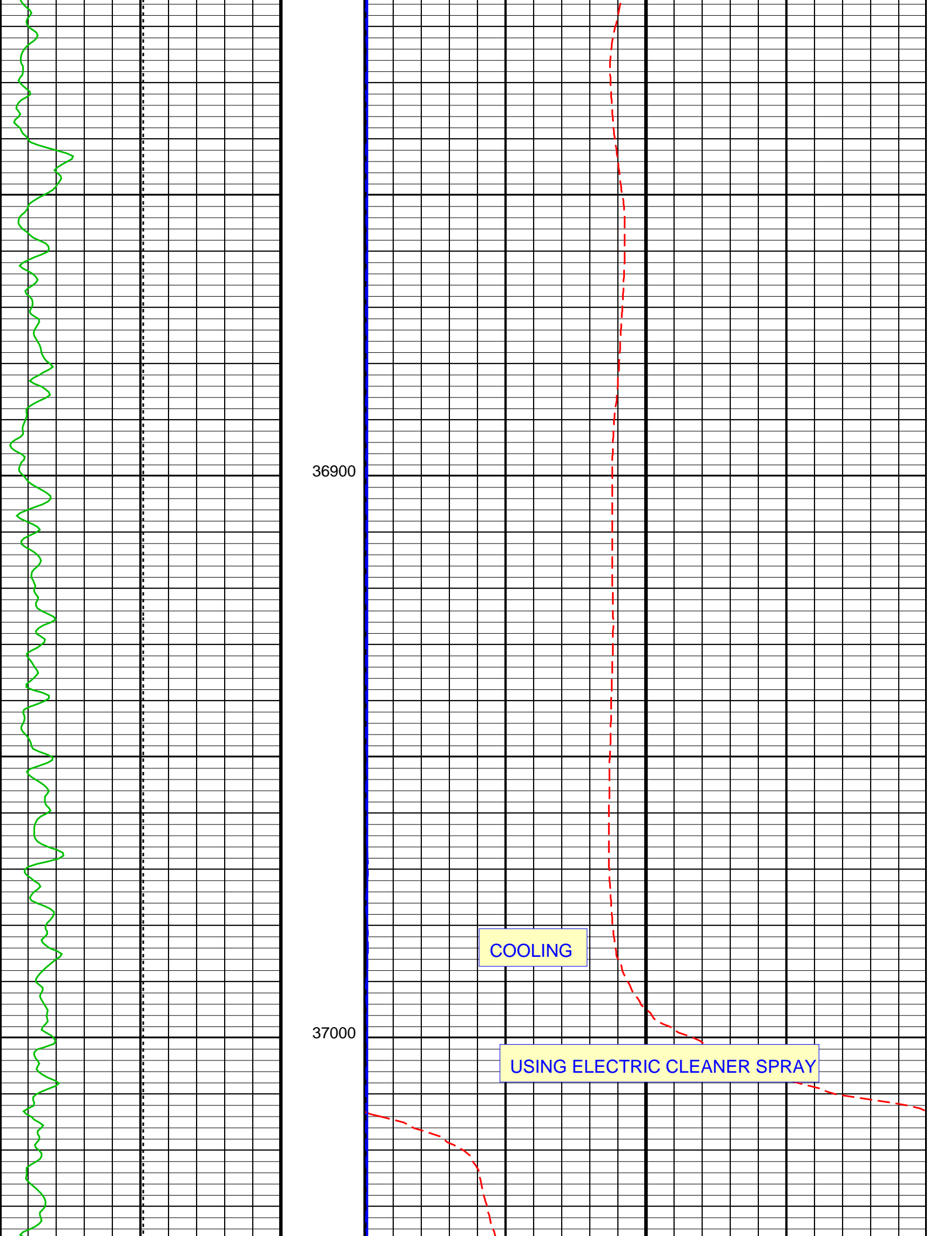


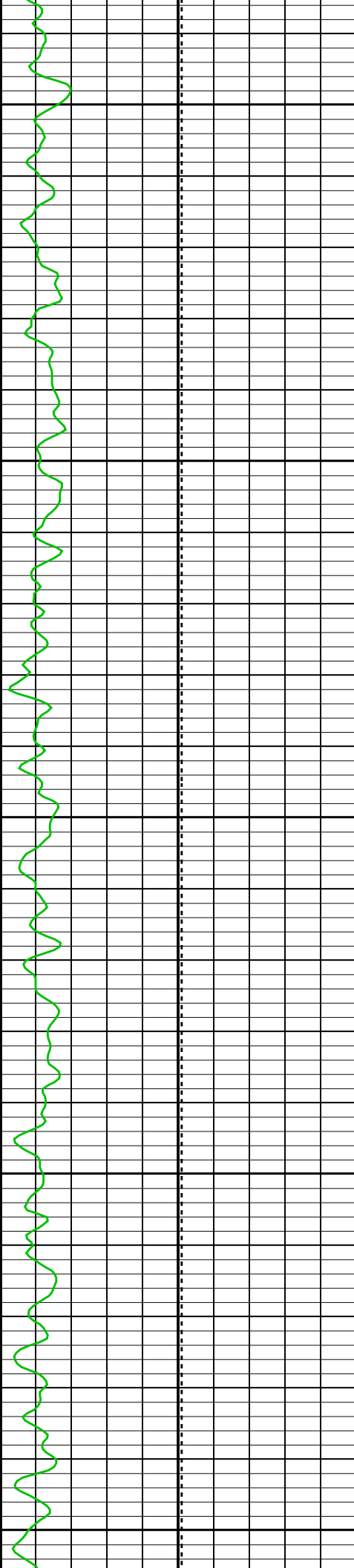






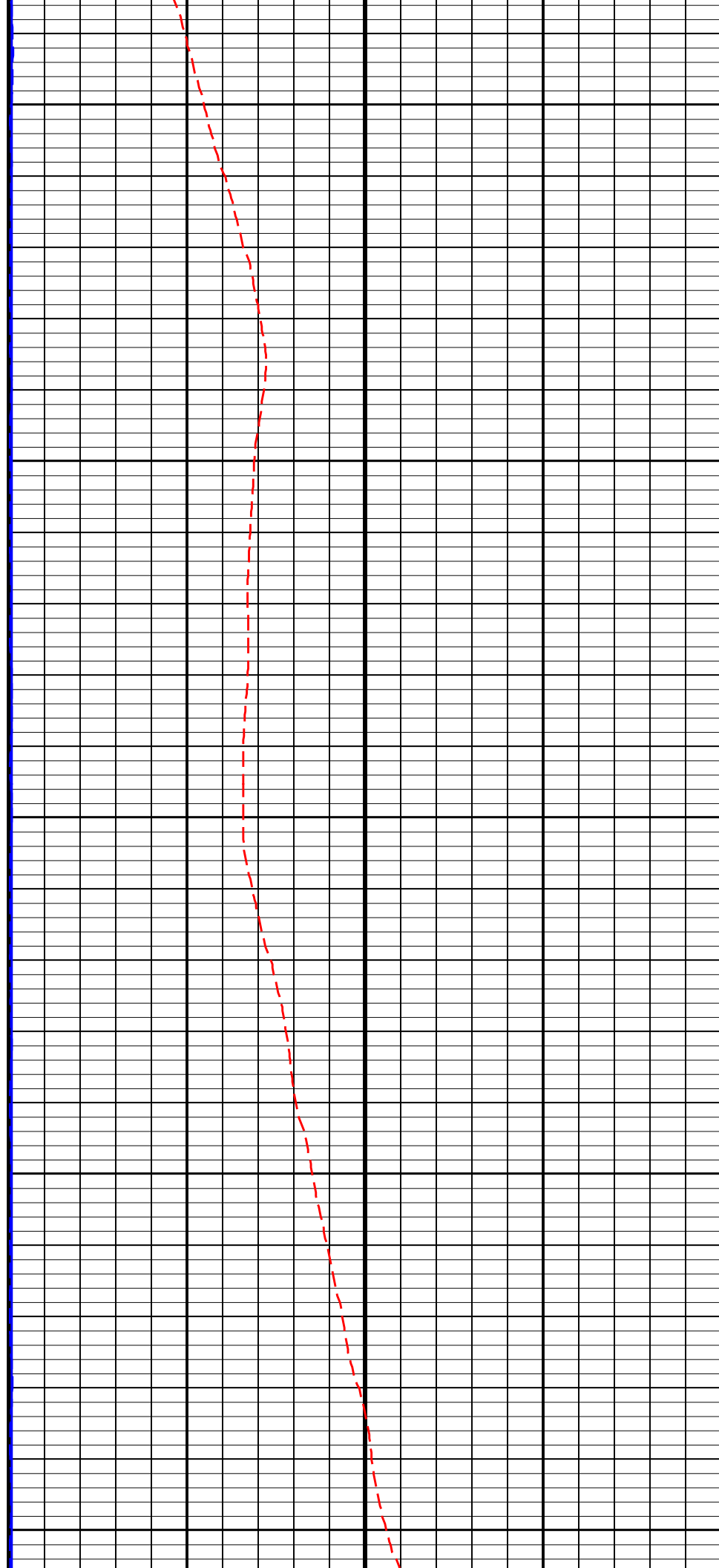


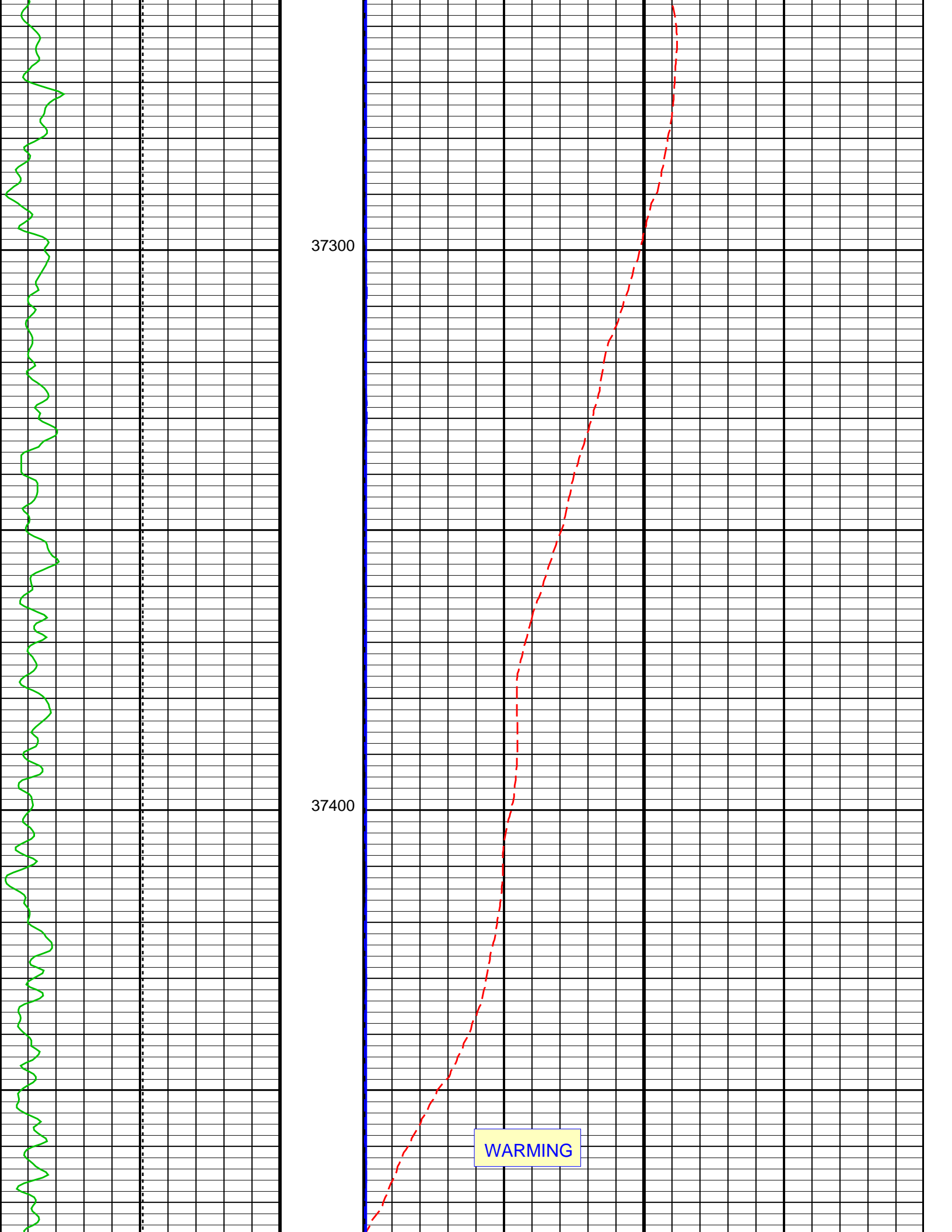


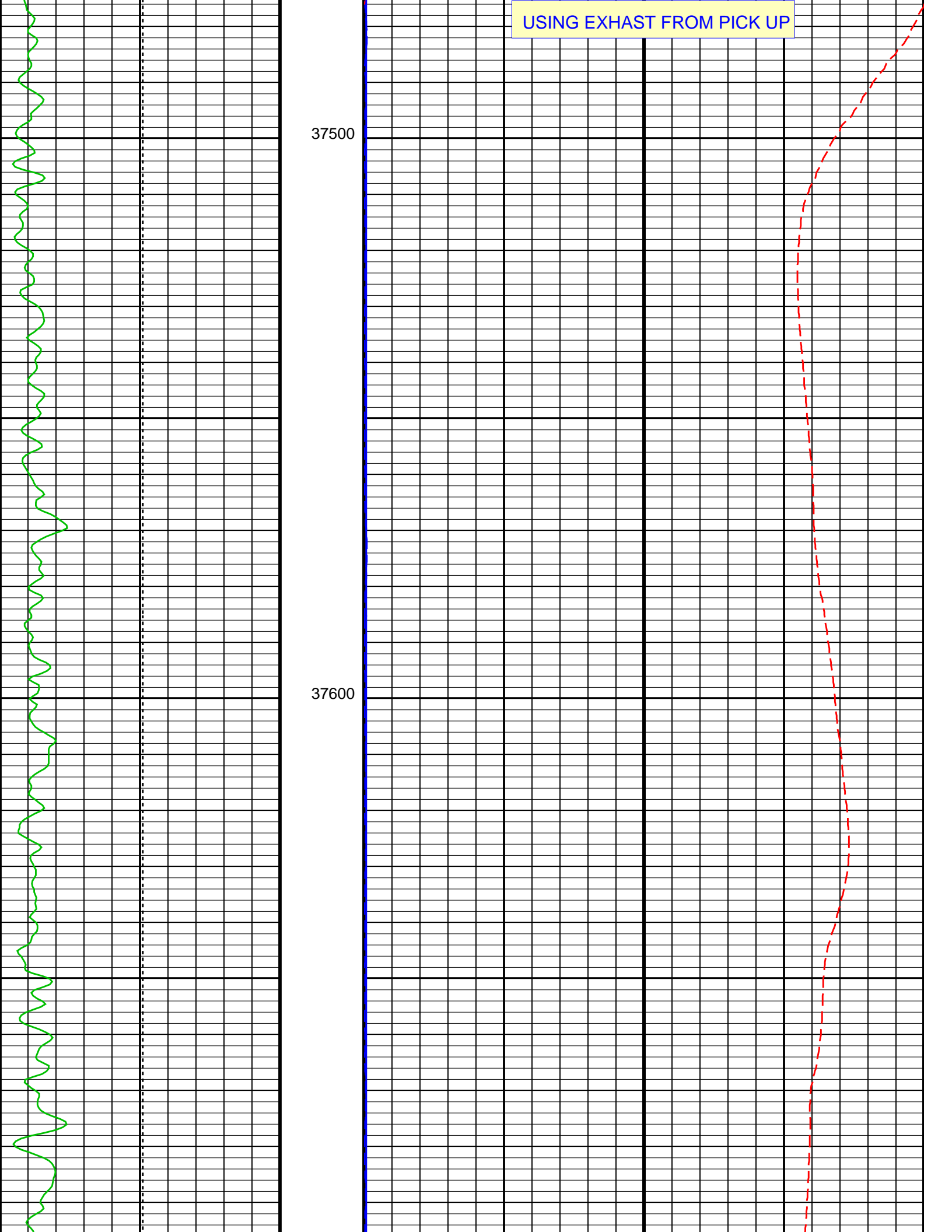


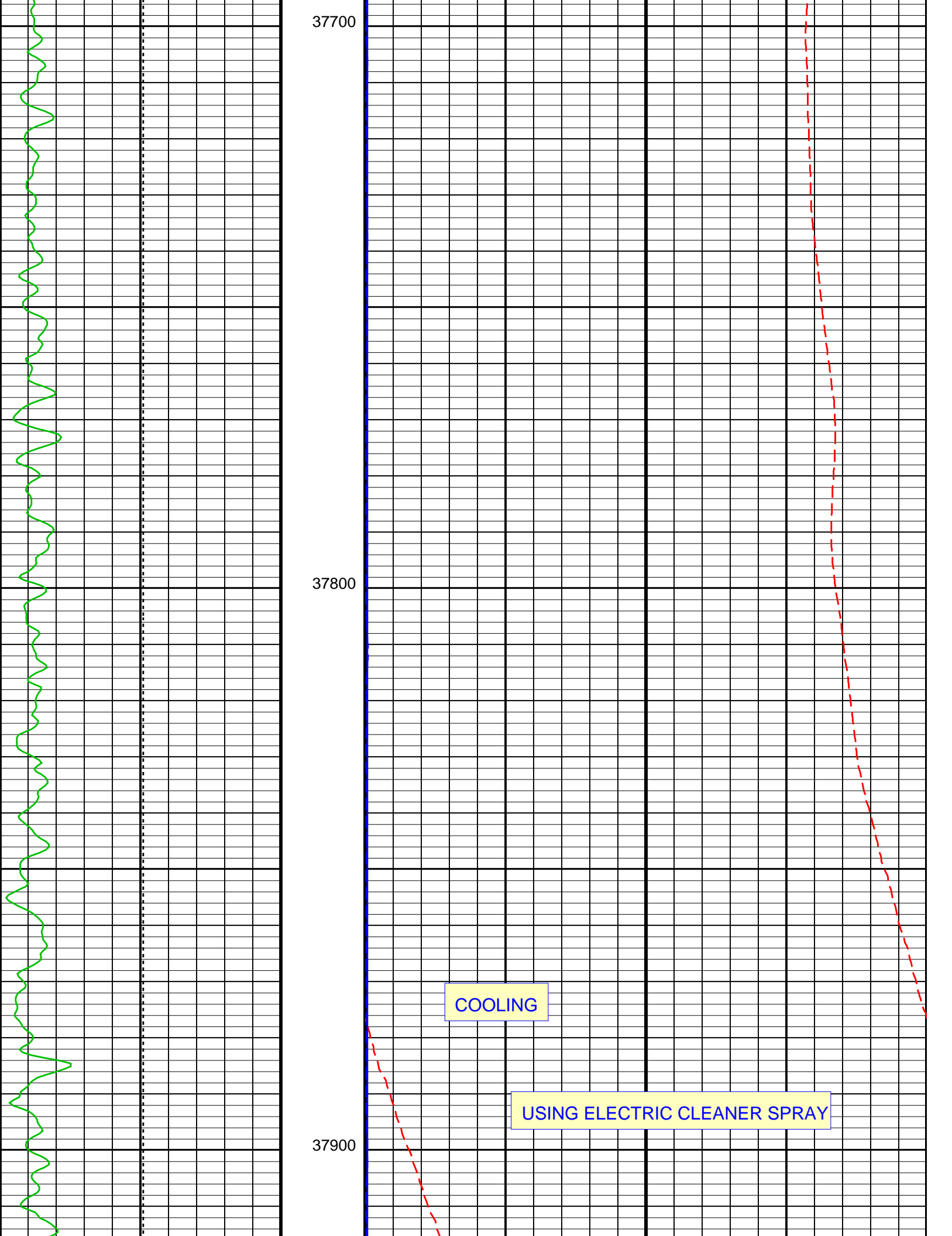
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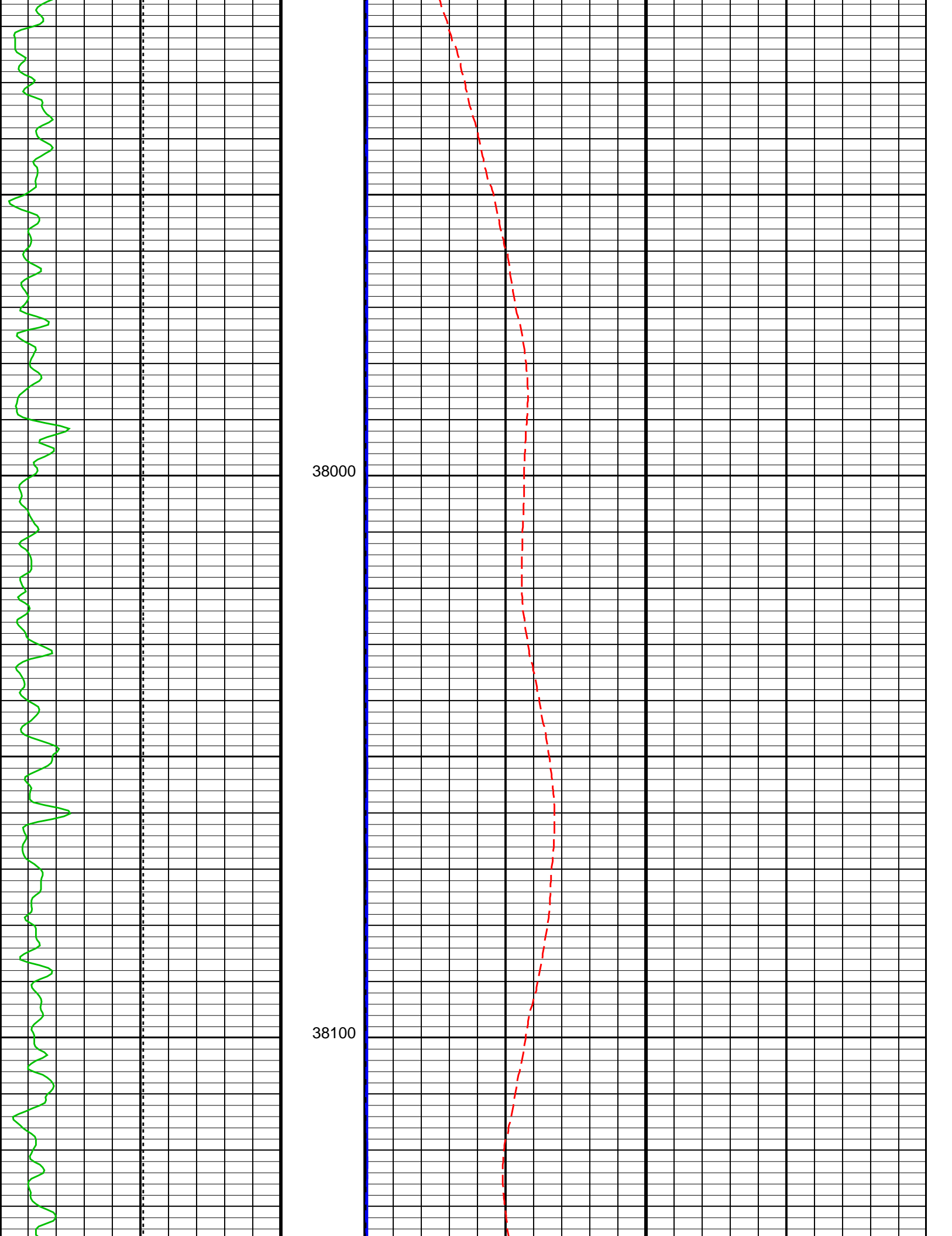
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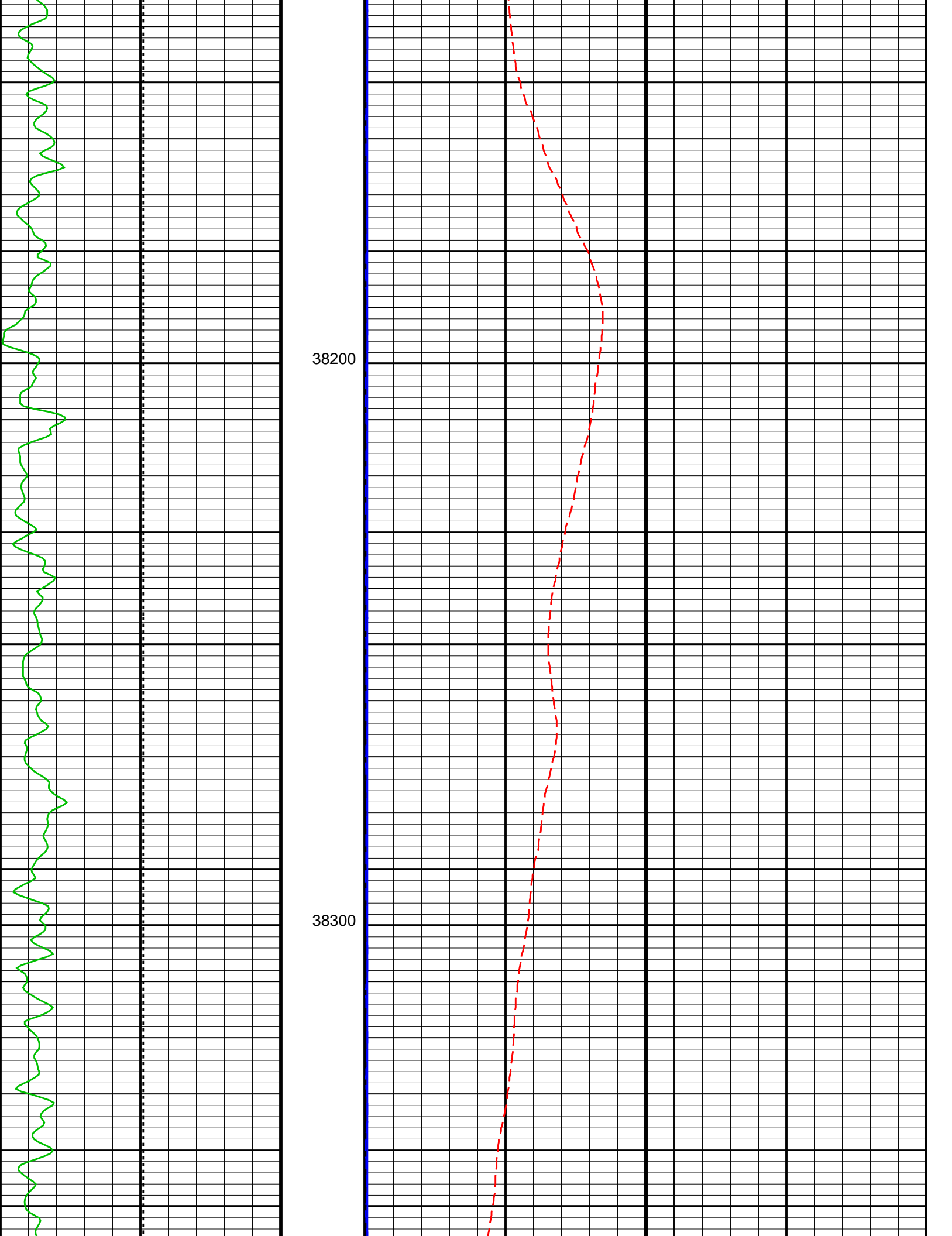


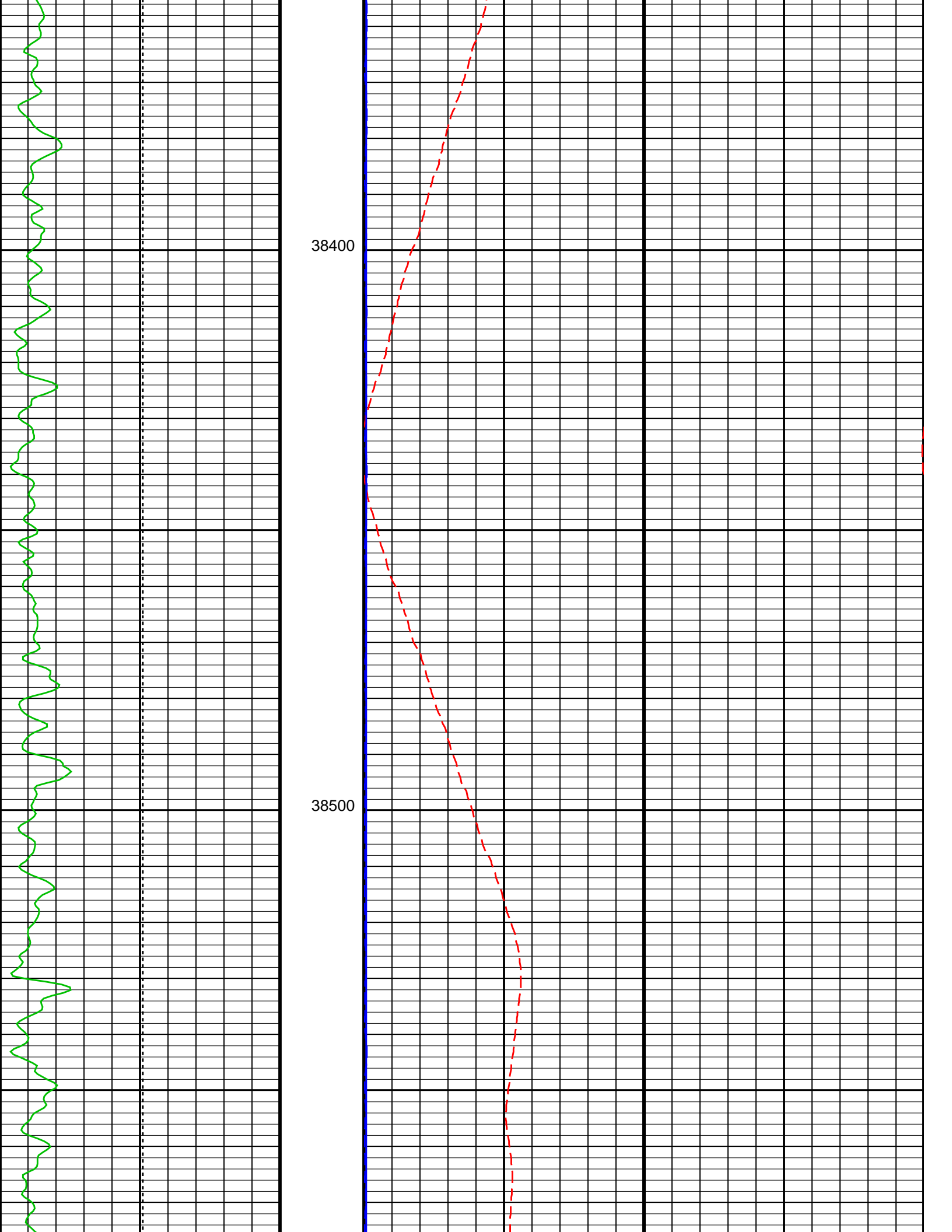


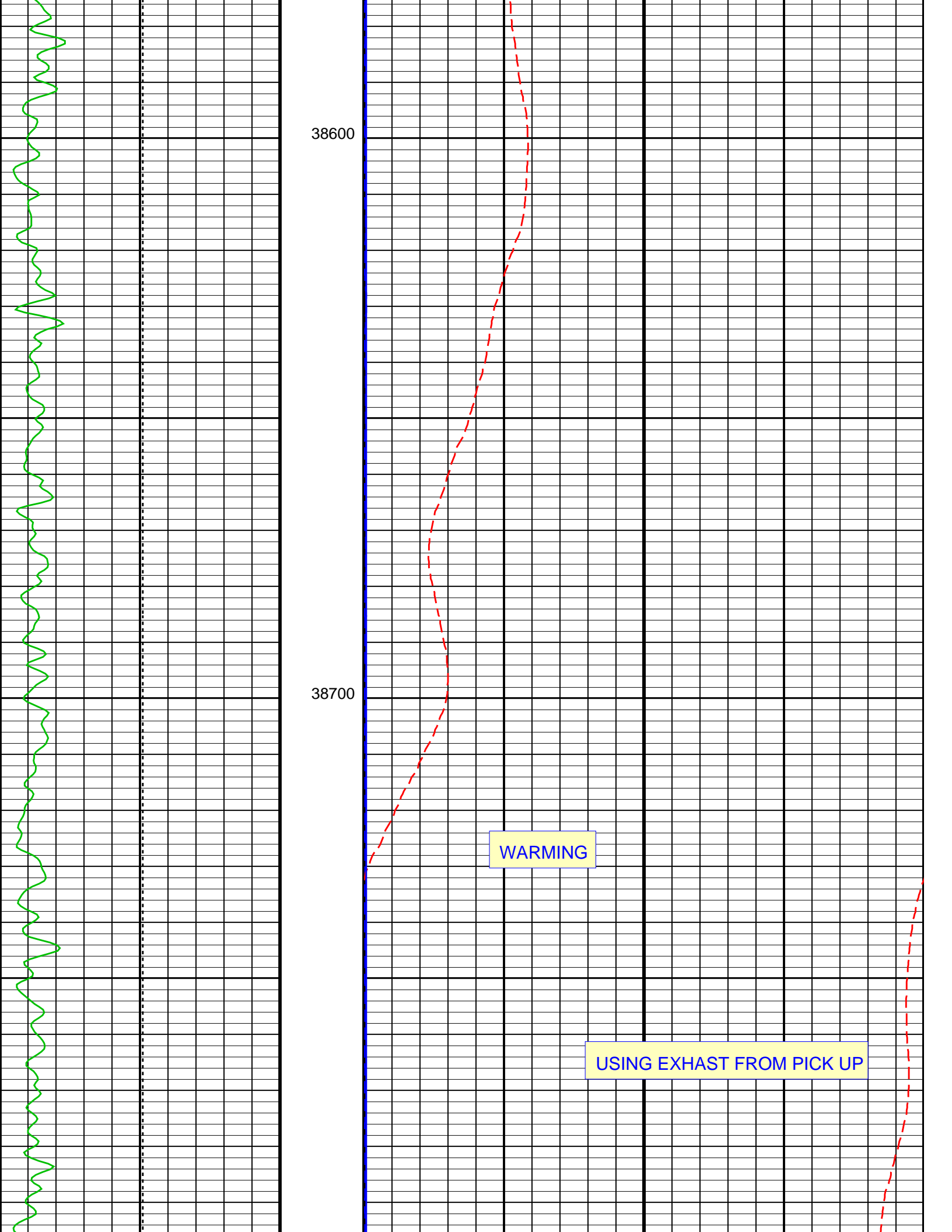










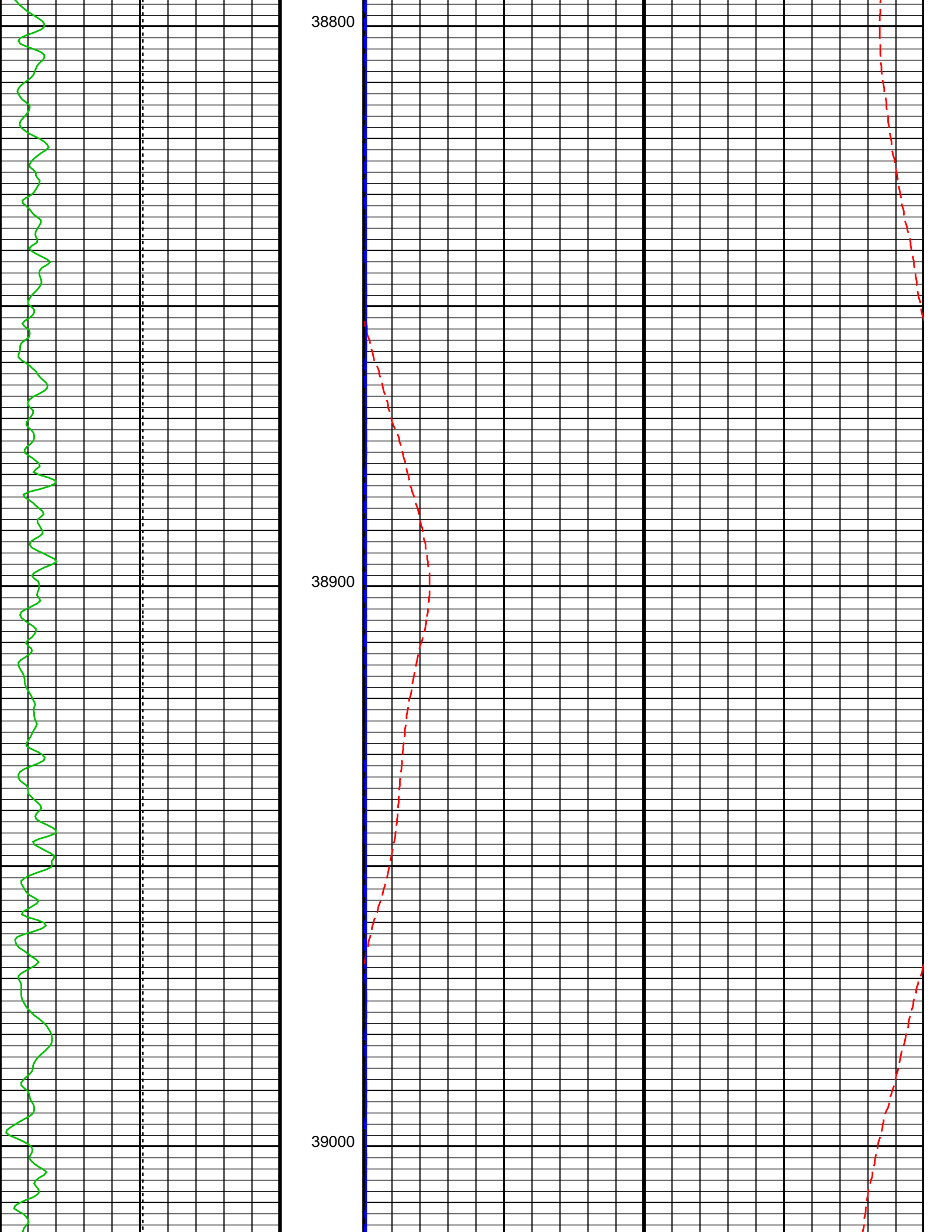


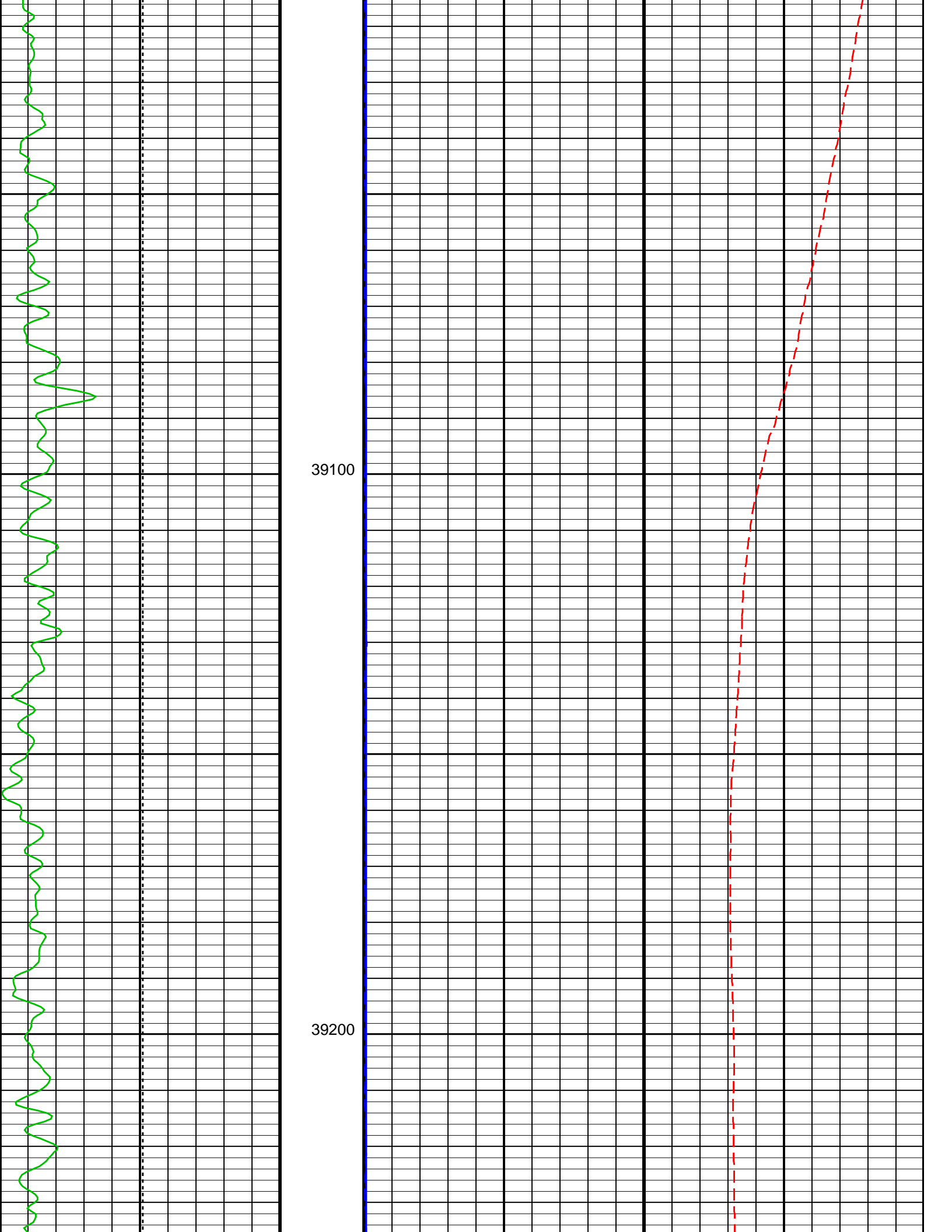
38600

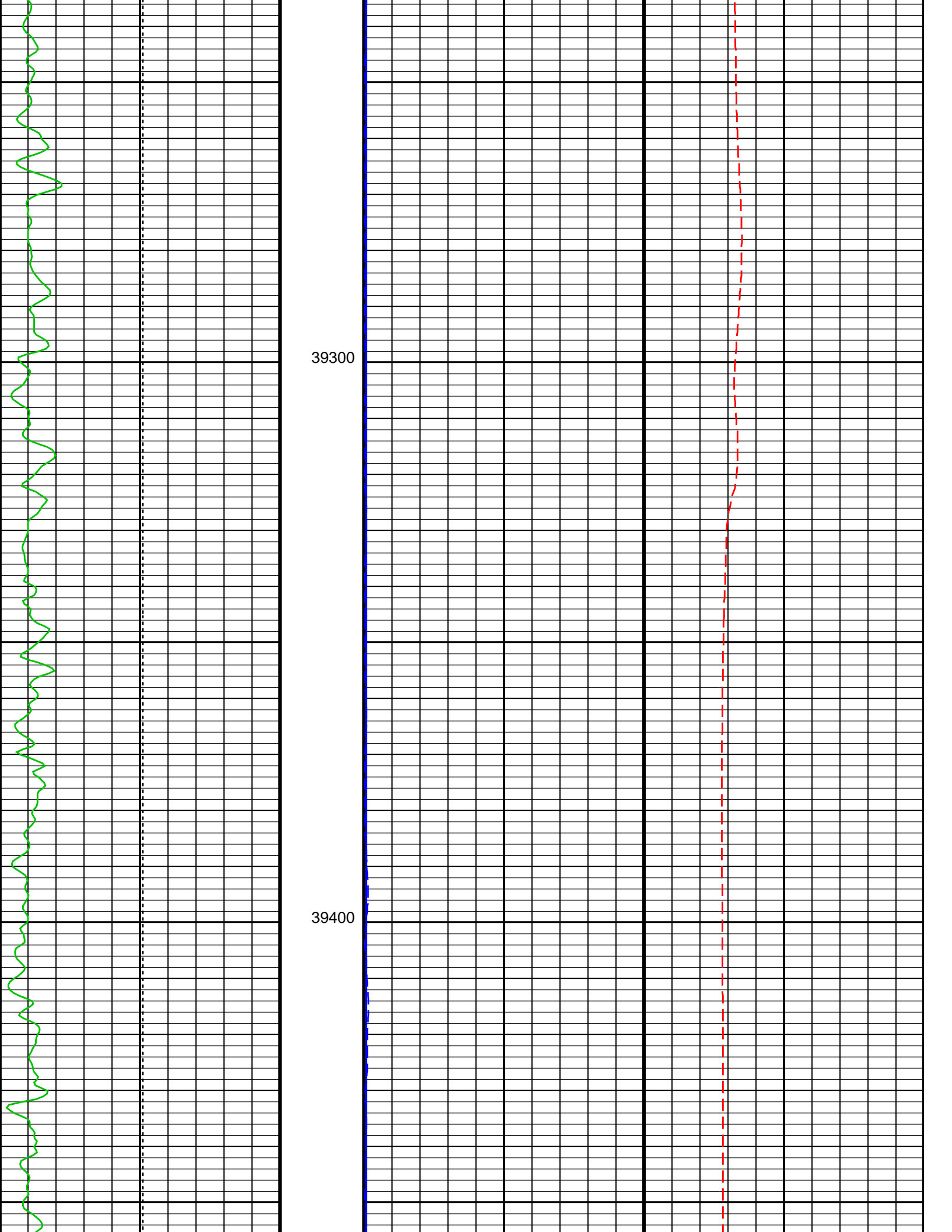
38700

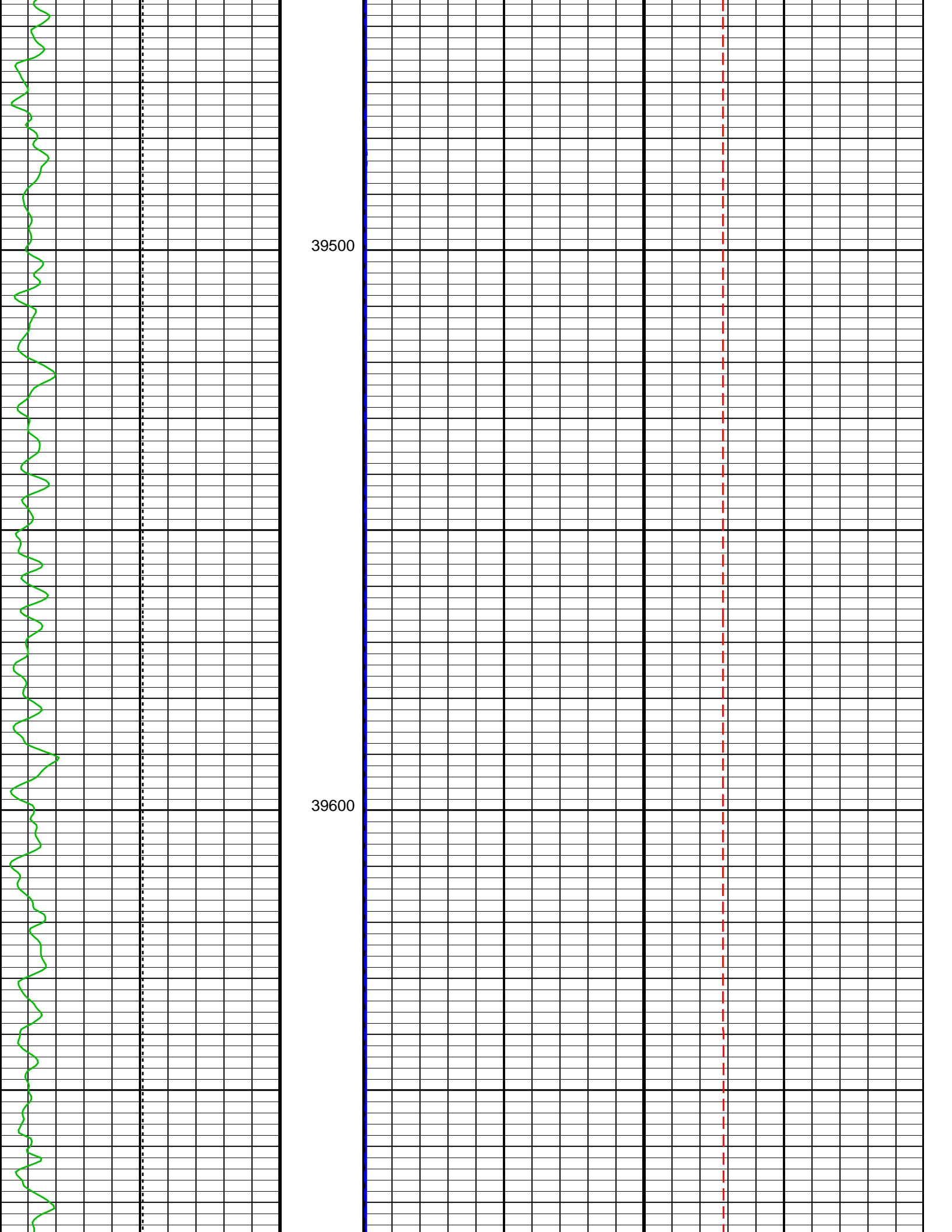
WARMING

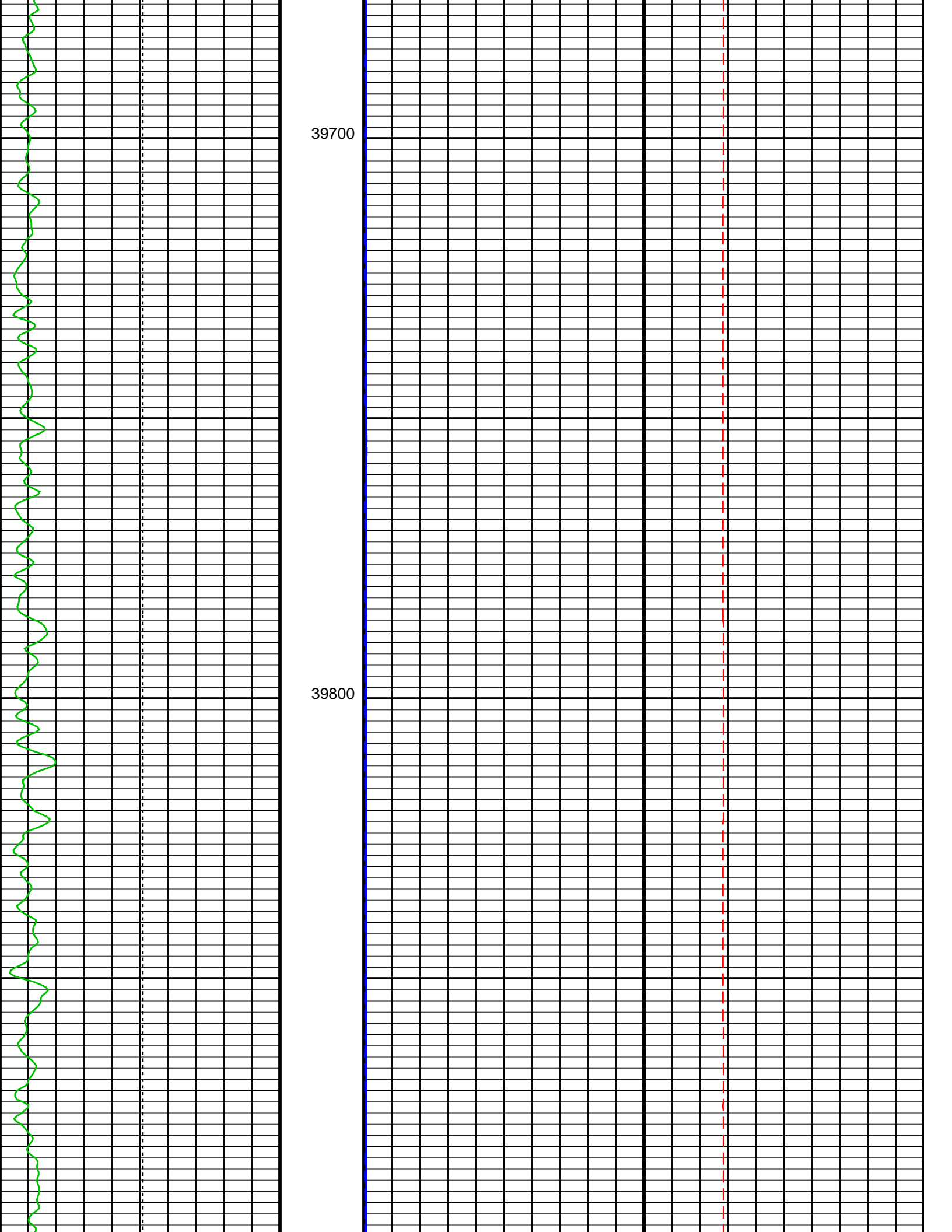
USING EXHAUST FROM PICK UP

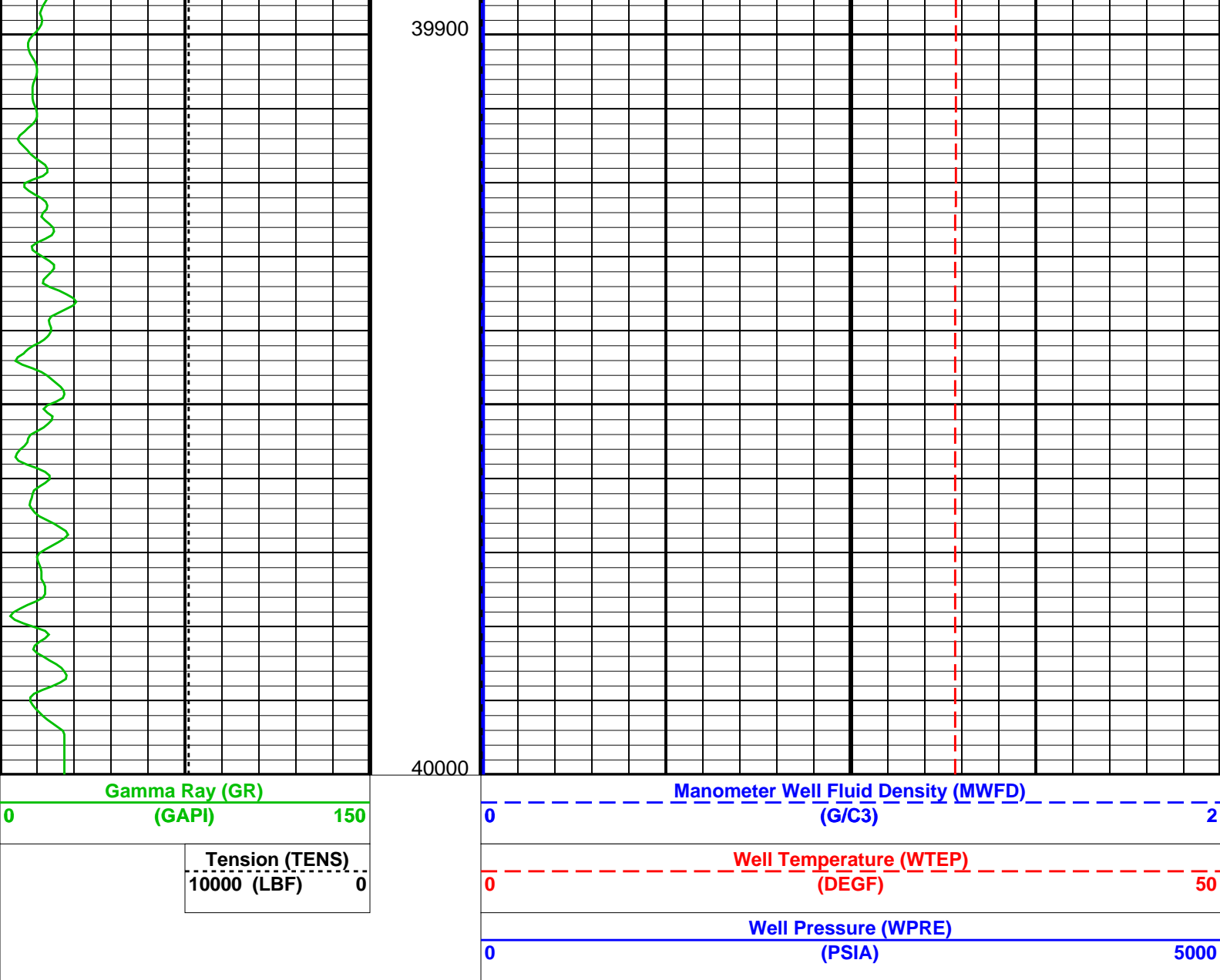












| Parameters | | |
|--|---|---------------------------------|
| DLIS Name | Description | Value |
| PSPT-A/B: Production Services Logging Platform | | |
| GDEV | Average Angular Deviation of Borehole from Normal | 0 DEG |
| Format: CORRELATION Vertical Scale: 5" per 100' Graphics File Created: 19-Dec-2007 09:55 | | |
| OP System Version: 15C0-309 | | |
| MCM | | |
| PSPT-A/B | SPC-3395-IFLEX | |
| Output DLIS Files | | |
| DEFAULT | PSP_008LUP | FN:7 PRODUCER 19-Dec-2007 09:55 |

Company:

Well:

Field:

County:

State:

CORE ENERGY LLC.

BATTELLE

ST. CHARLTON 4-30

CHARLTON

OTSEGO

MICHIGAN

Schlumberger

PSP-PRESSURE / TEMPERATUR
GAMMA RAY / CCL