334

Schlumberger

# PROXIMITY LOG-MICROLOG

COMPANY SHELL OIL COMPANY

WELL YAKIMA MINERALS #1-33

FIELD WILDCAT

COUNTY KITTITAS STATE WASHINGTON

COUNTY
FIELD or
LOCATION
WELL
COMPANY

API Serial No.
Location: 925.5 FNL & 1445.6 FWL
Sec. 33 Twp. 15N Rge. 19E

Other Services:
DIL-GR
BHC-GR
FDC-CNL-GR
CV BERLOOK

Elev.: K.B. 1325.32
D.F.
G.L. 1305.10

Permanent Datum: GL Elev.: 1305.10
Log Measured From KB, 20.22 Ft. Above Perm. Datum
Drilling Measured From KB

| | | | |
|---|---|---|---|
| Date | 3-13-81 | | |
| Run No. | SIX | | |
| Depth—Driller | 13968 | | |
| Depth—Logger (Schl.) | 13947 | | |
| Btm. Log Interval | 13944 | | |
| Top Log Interval | 11688 | | |
| Casing—Driller | 95/8 @ 11716 | @ | @ |
| Casing—Logger | 11688 | | |
| Bit Size | 8 1/2 | | |
| Type Fluid in Hole | LIGNOSULFATE | | |
| Dens. / Visc. | 15.5 / 51 | | |
| pH / Fluid Loss | 10.3 / 10.2 ml | ml | ml |
| Source of Sample | FLOWLINE | | |
| Rm @ Meas. Temp. | 3.20 @ 50 °F | @ °F | @ °F |
| Rmf @ Meas. Temp. | 1.30 @ 50 °F | @ °F | @ °F |
| Rmc @ Meas. Temp. | 9.00 @ 50 °F | @ °F | @ °F |
| Source: Rmf / Rmc | C / C | | |
| Rm @ BHT | 0.49 @ 326 °F | @ °F | @ °F |
| TIME: Circulation Stopped | 0600 (3/12) | | |
| TIME: Logger on Bottom | 1230 | | |
| Max. Rec. Temp. | 326 °F | °F | °F |
| Equip. / Location | 8060 CASN | | |
| Recorded By | BRADLEY | | |
| Witnessed By | TOWNSLEY | | |

FOLD HERE

The well name, location and borehole reference data were furnished by the customer.

| RUN NO. | SIX | | | |
|---|---|---|---|---|
| Service Order No. | 122532 | | | |
| Fluid Level | FULL | | | |
| Salinity—PPM CL | 700 | | | |
| | | | | |

SCALE CHANGES

| Type Log | Depth | Scale Up Hole | Scale Down Hole |
|---|---|---|---|
| | | | |
| | | | |

| EQUIPMENT DATA | | | | |
|---|---|---|---|---|
| Panel (MPP) | MRM1730 | | | |
| Cartridge (MPC) | 173 | | | |
| Sonde (MPS) | 316 | | | |
| Tape Recorder (TTR) | CSU | | | |
| Depth Encoder (DRE) | CSU | | | |
| Pressure Wheel (CPW) | CSU | | | |

| BOTTOM HOLE TEMPERATURE | | | | |
|---|---|---|---|---|
| Thermometer #1 | 326 °F | °F | °F | °F |
| Thermometer #2 | - °F | °F | °F | °F |
| Thermometer #3 | - °F | °F | °F | °F |

REMARKS:

GR MERGED FROM DIL-GR

TOP REPEATS DUE TO HIGH BOTTOM HOLE TEMPERATURE

TOOL APPEARS TO BE INTERMITTANT

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any inter-

pretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 7 of our General Terms and Conditions as set out in our current Price Schedule.

PARAMETERS

| NAME | UNIT | VALUE | NAME | UNIT | VALUE | NAME | UNIT | VALUE |
|---|---|---|---|---|---|---|---|---|
| DD | | 0.0 | FPHI | | PHIX | BS | INCH | 8.500 |

| | | |
|---|---|---|
| CALI(IN ) | | TENS(LB ) |
| 6.000 16.00 | | 10000. 0.0 |
| GR (GAPI) | | MNOR(OHMM) |
| 0.0 150.0 | | 0.0 20.00 |
| | | MINV(OHMM) |
| | | 0.0 20.00 |

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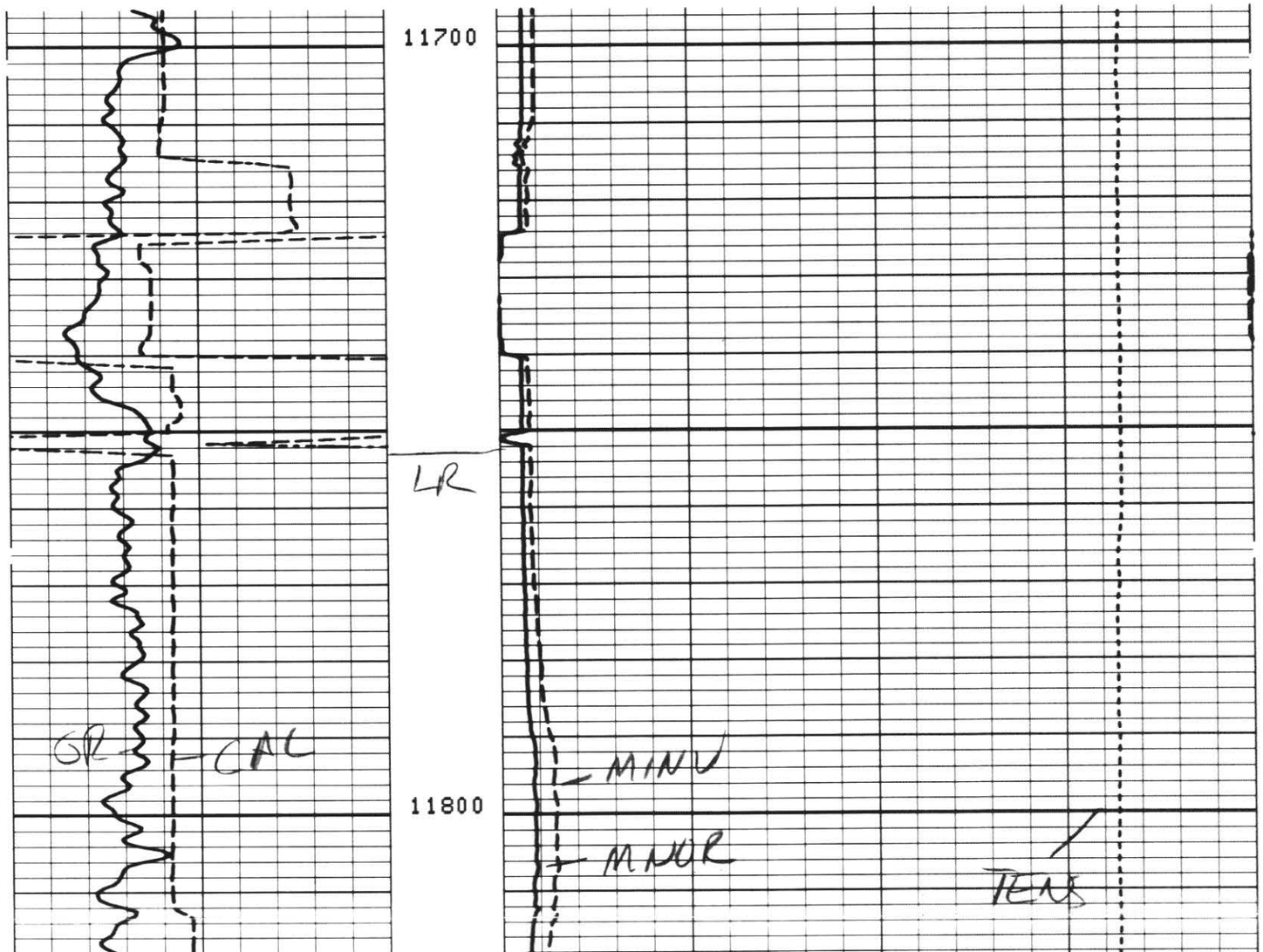
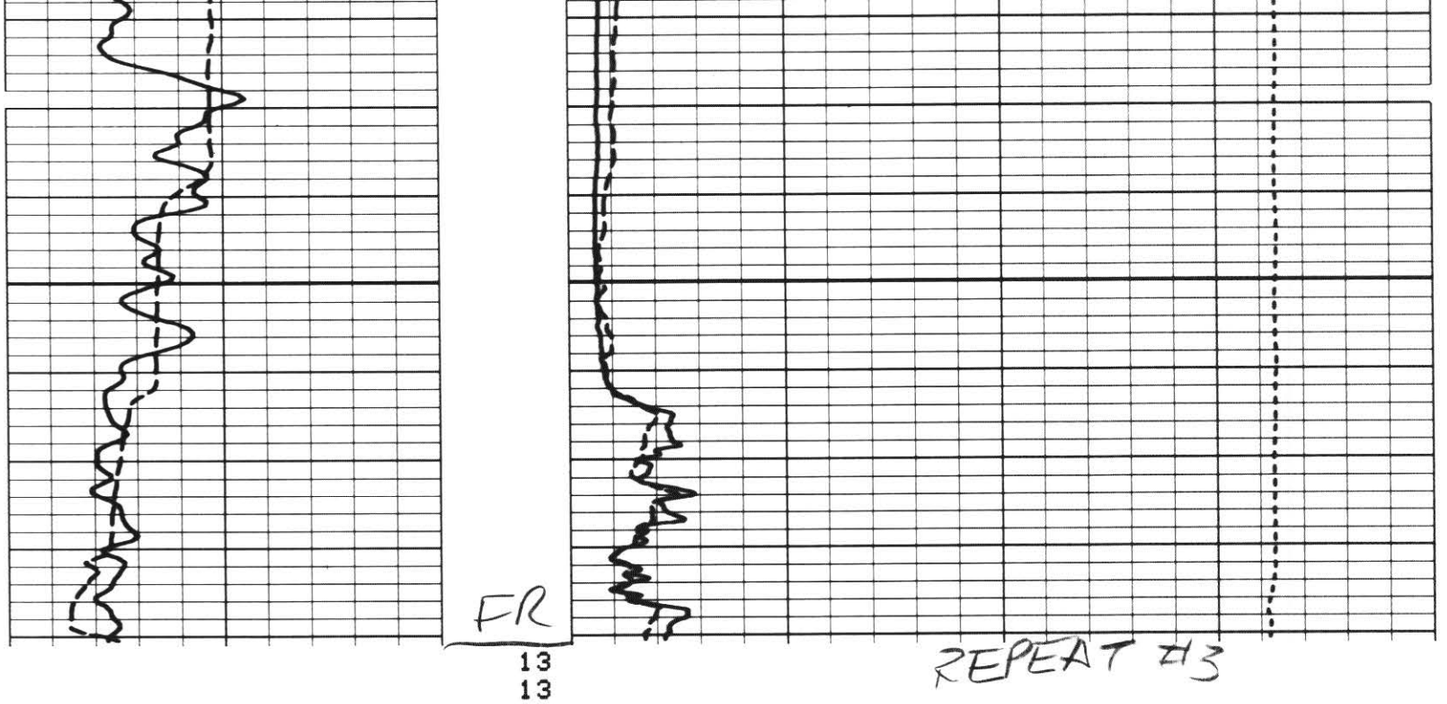
REPEAT #3



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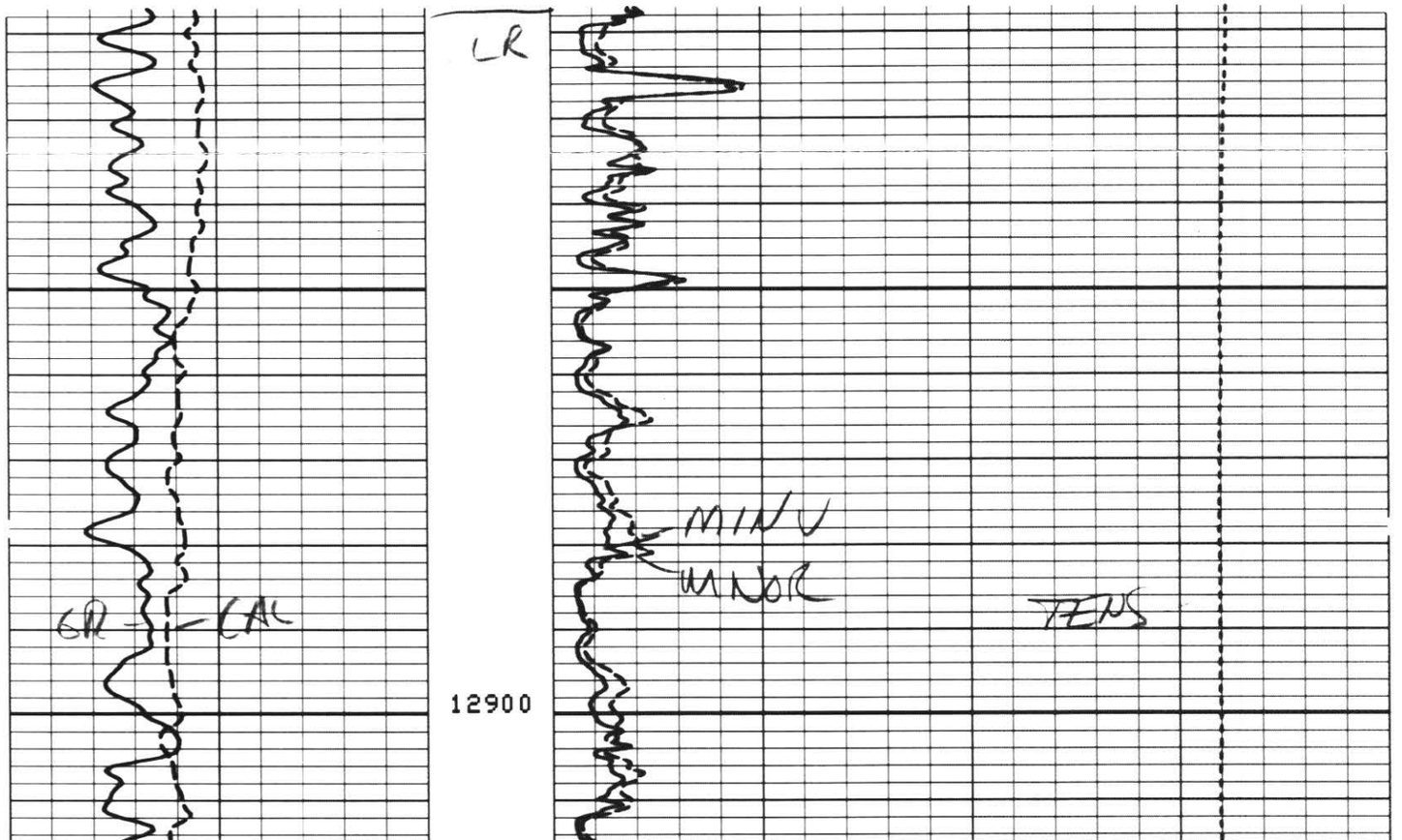
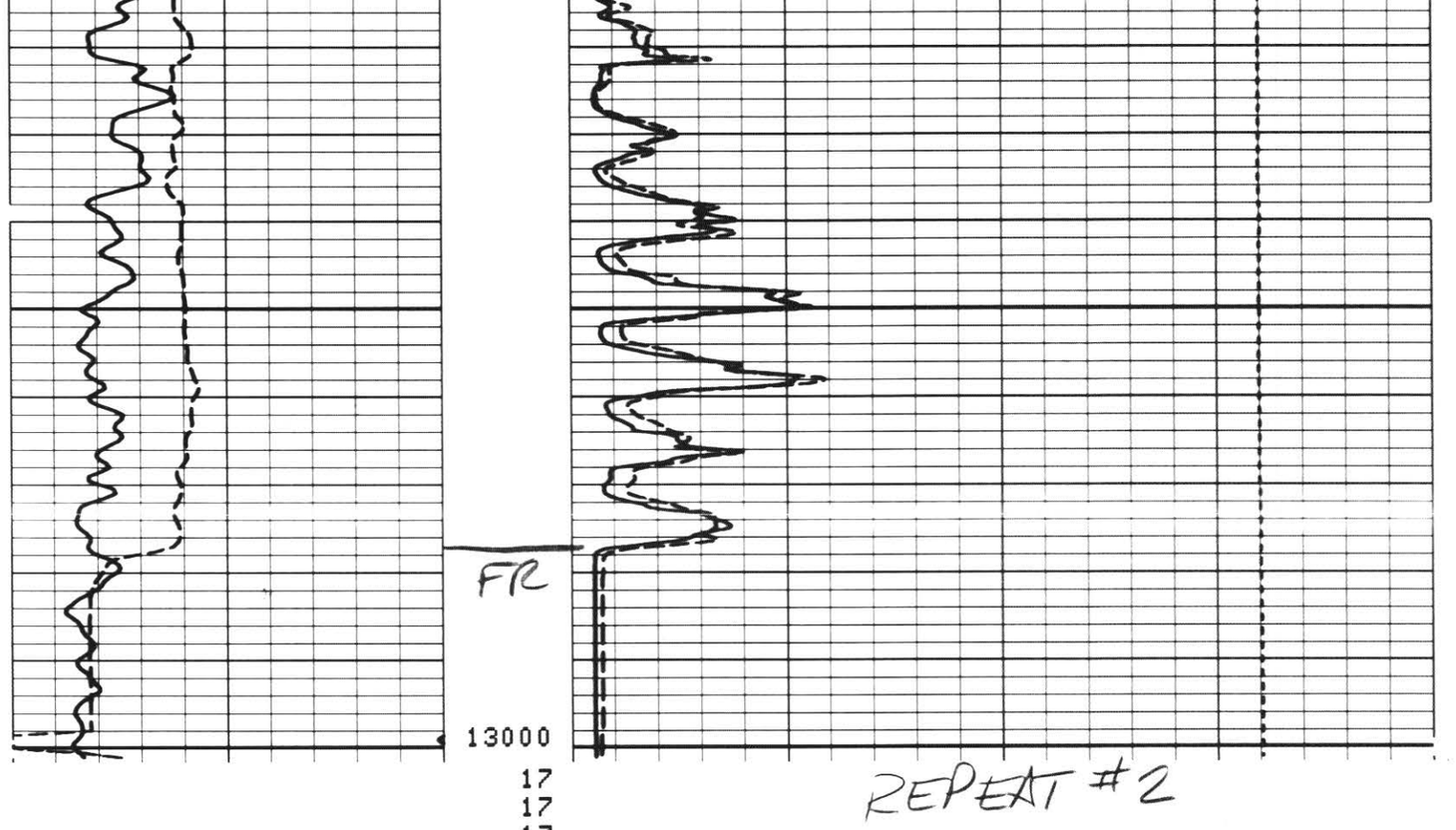
REPEAT #2



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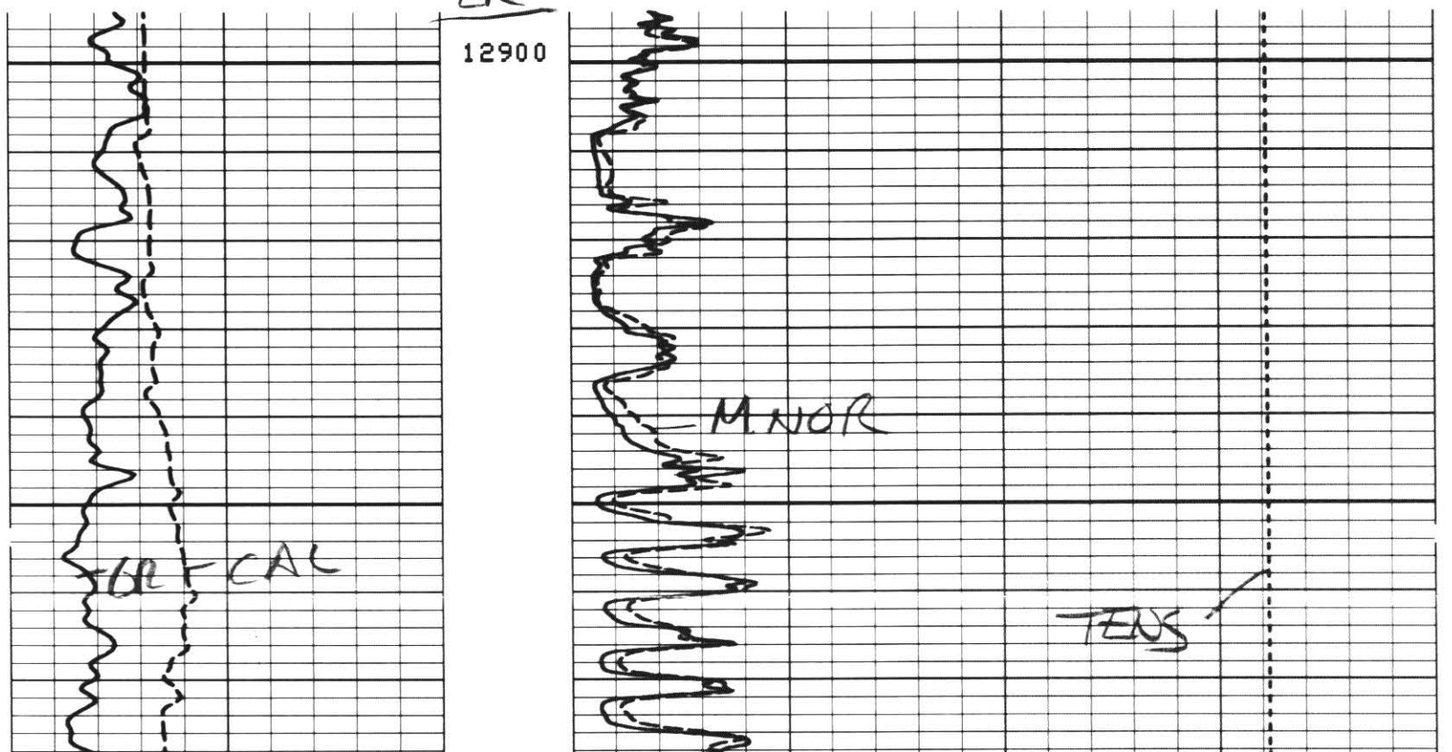

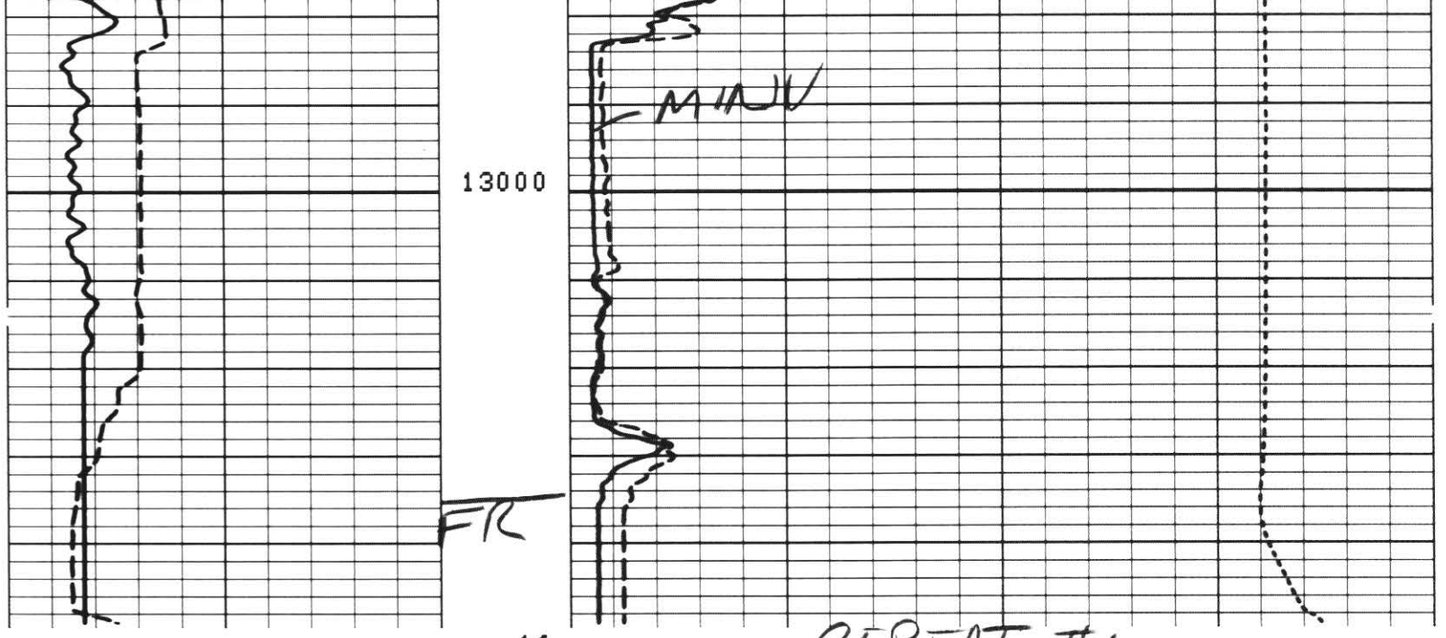


REPEAT #1

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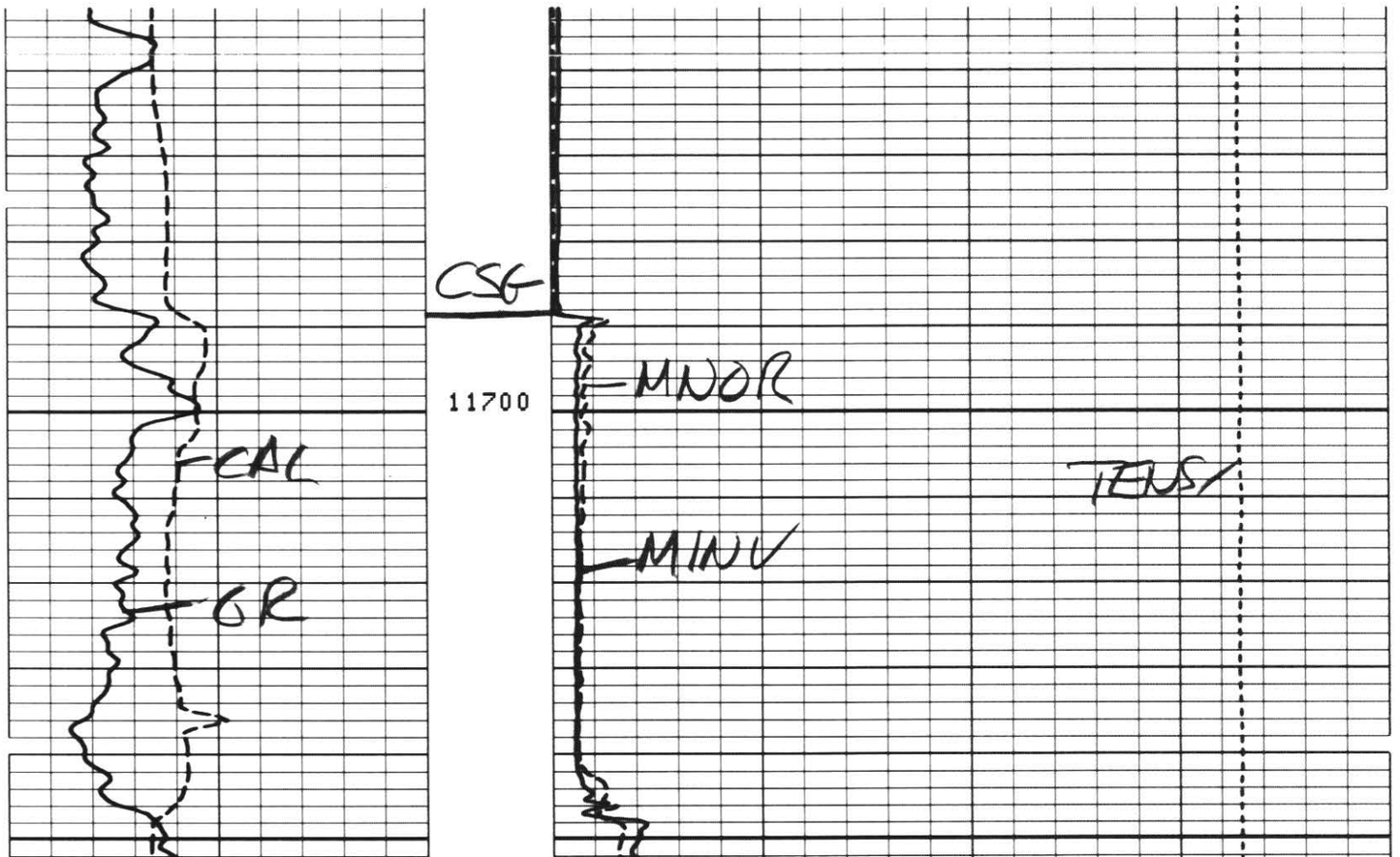

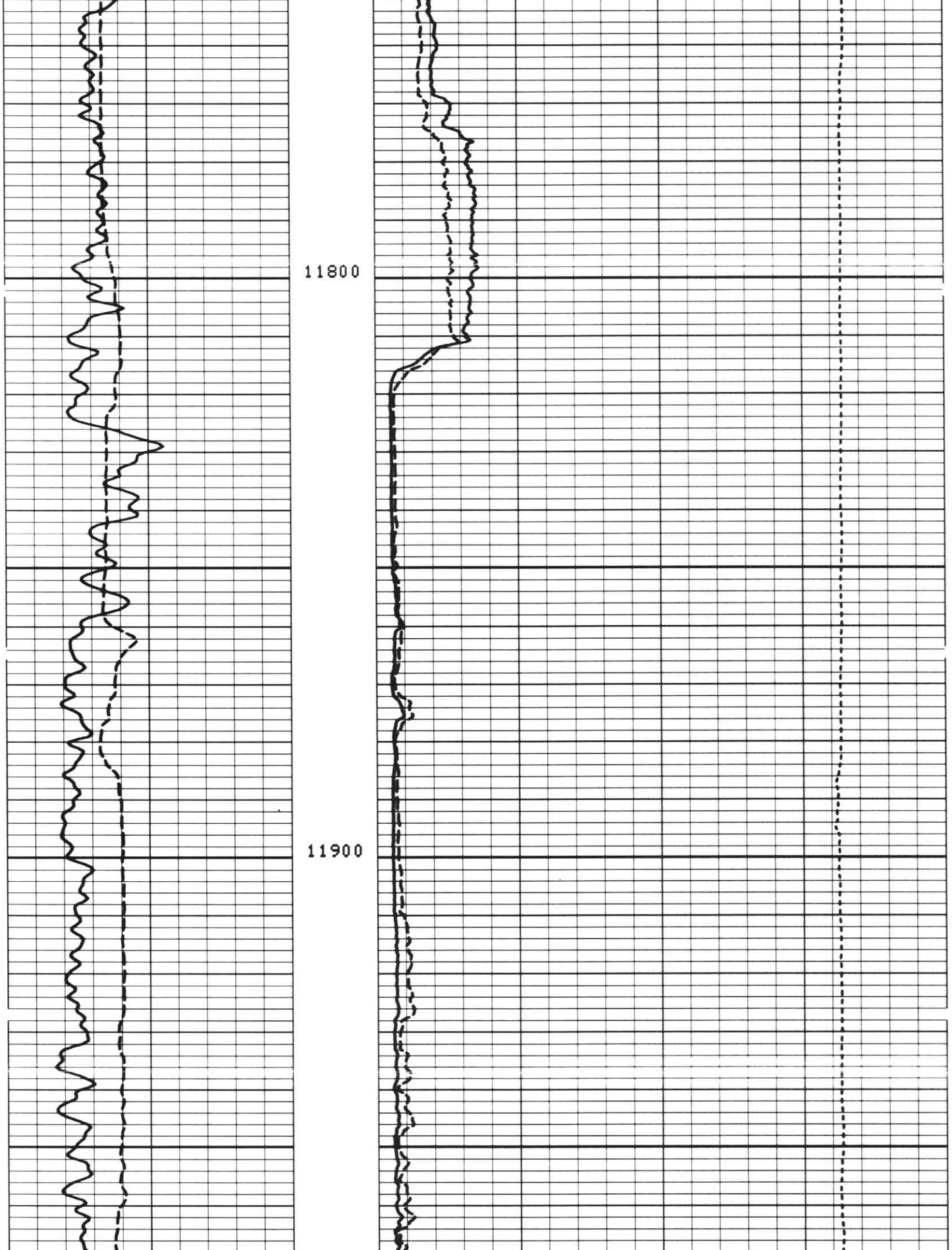
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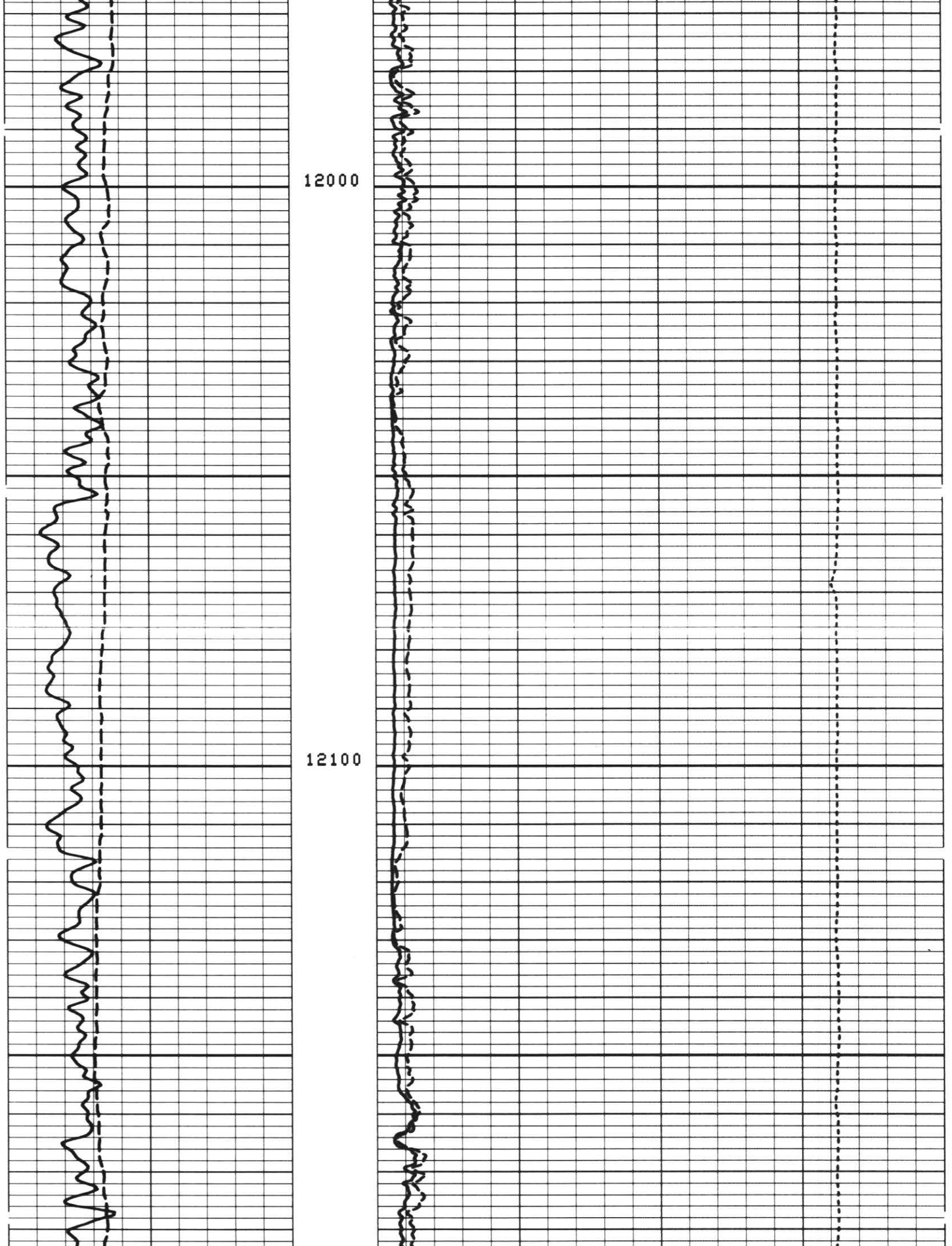
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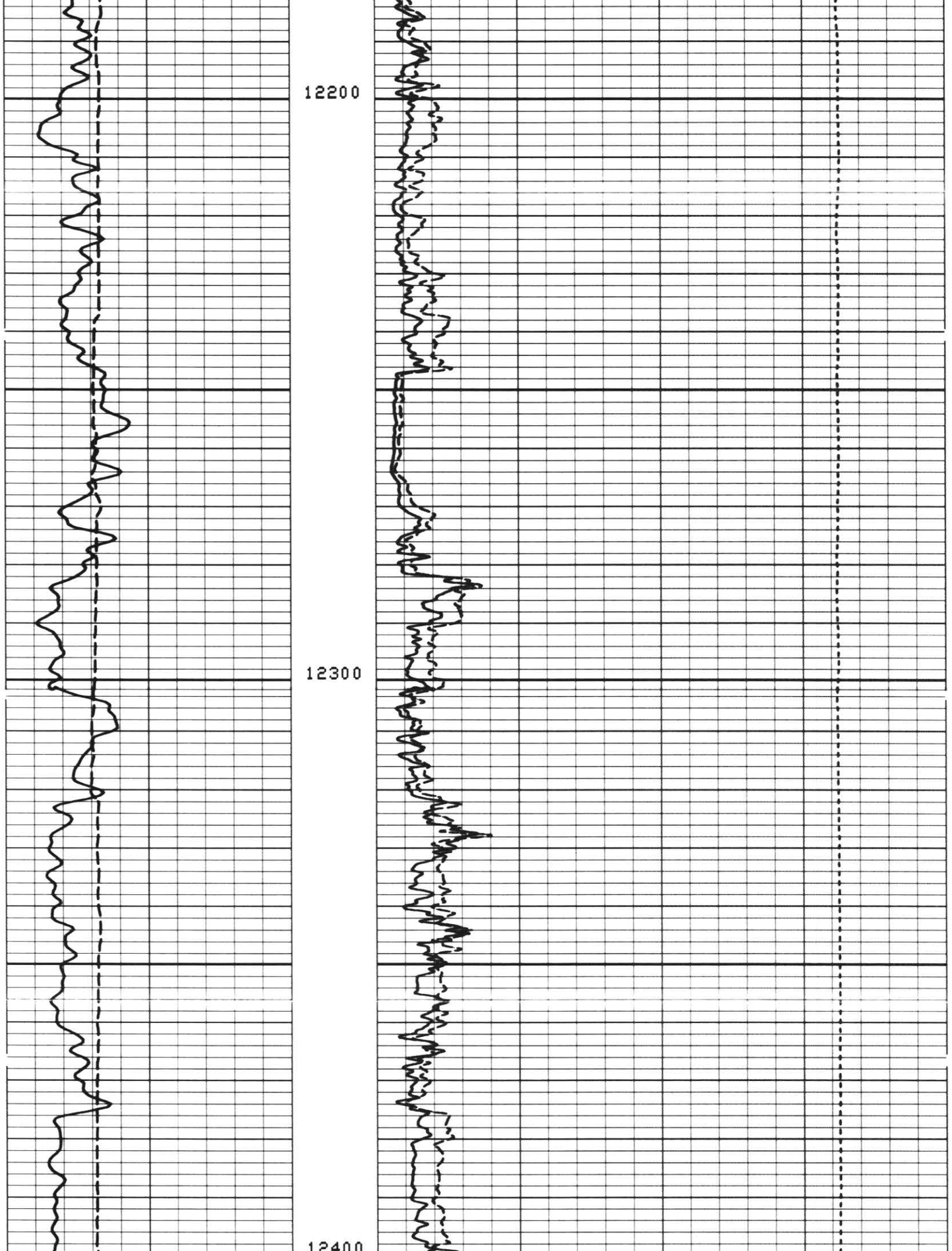
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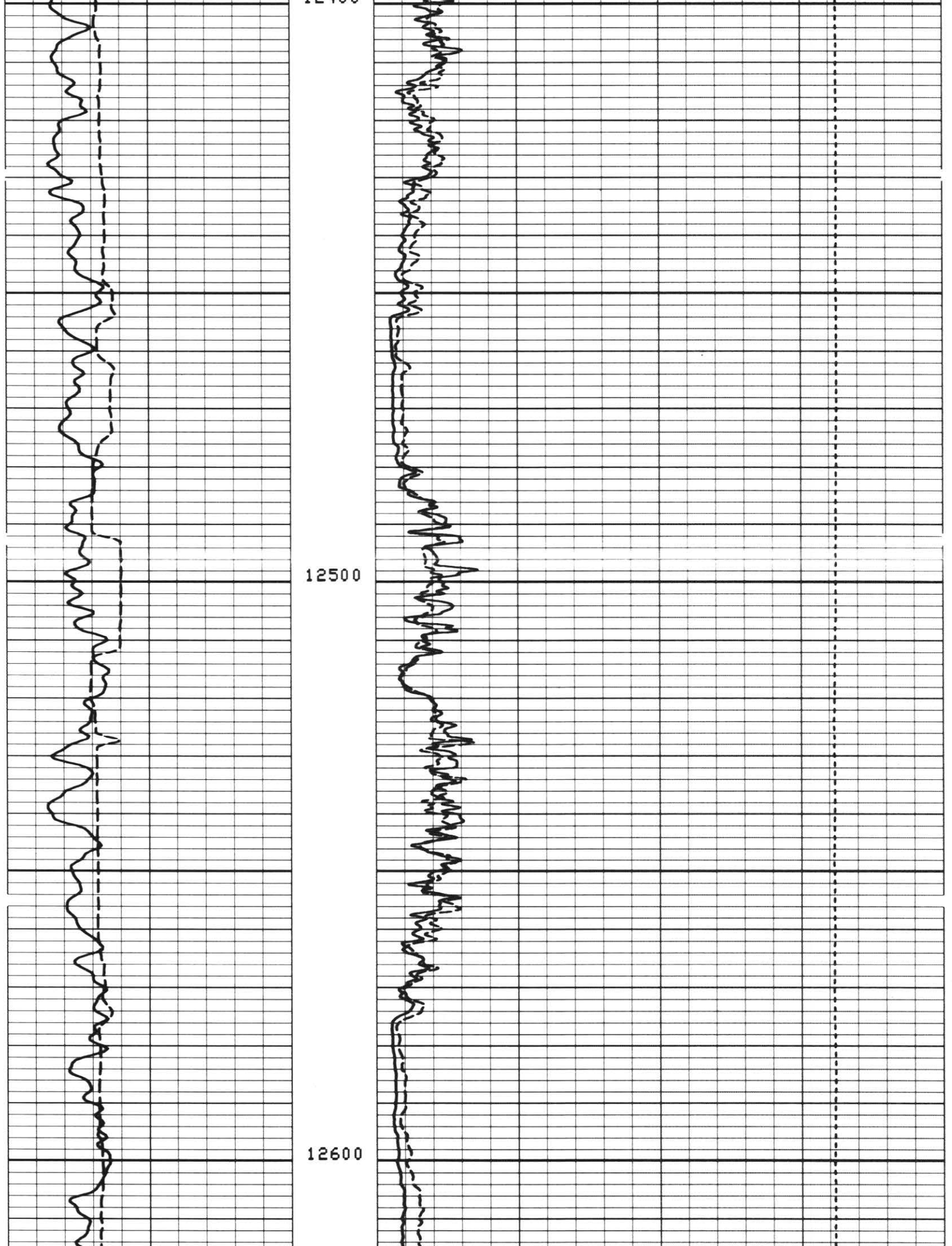
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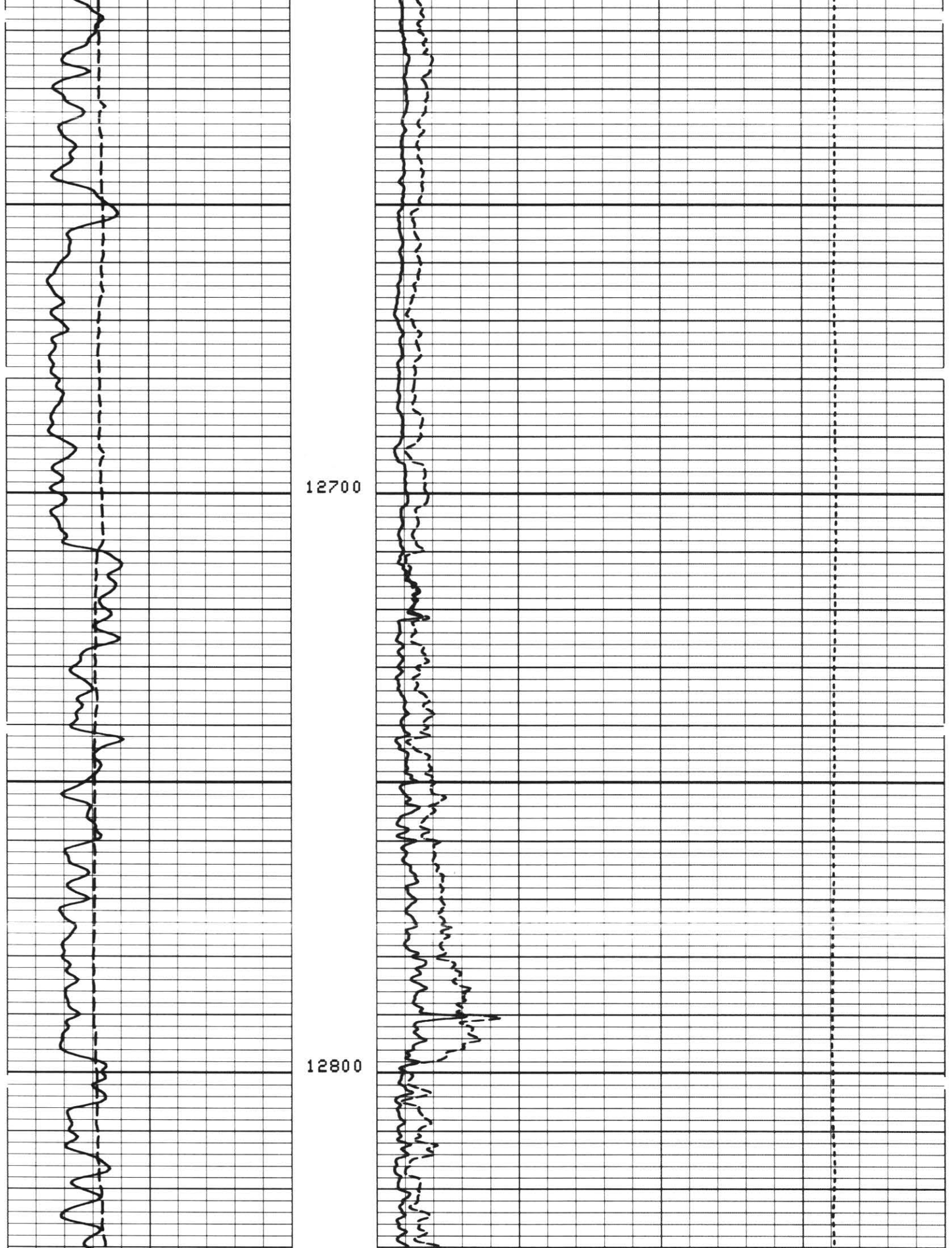
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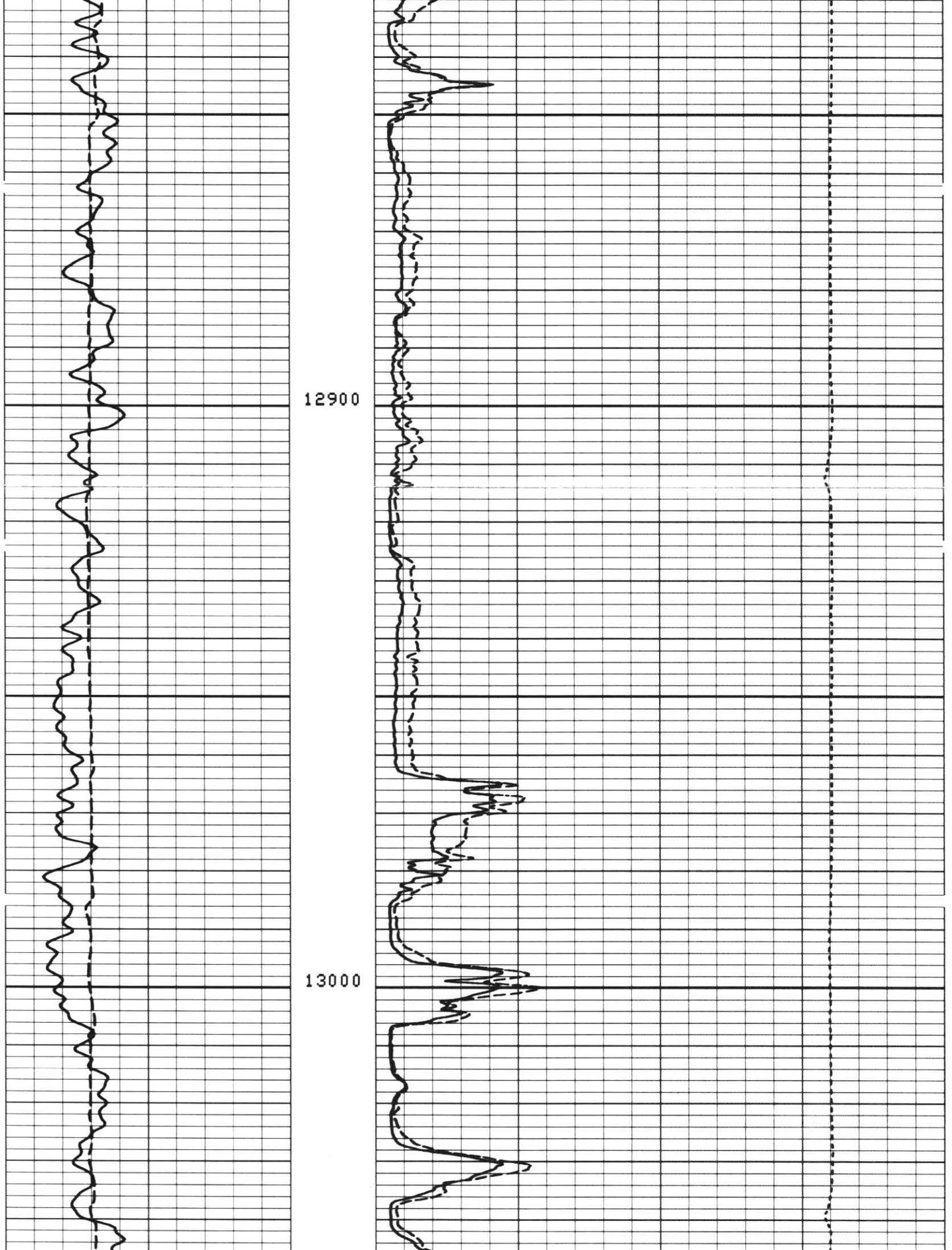
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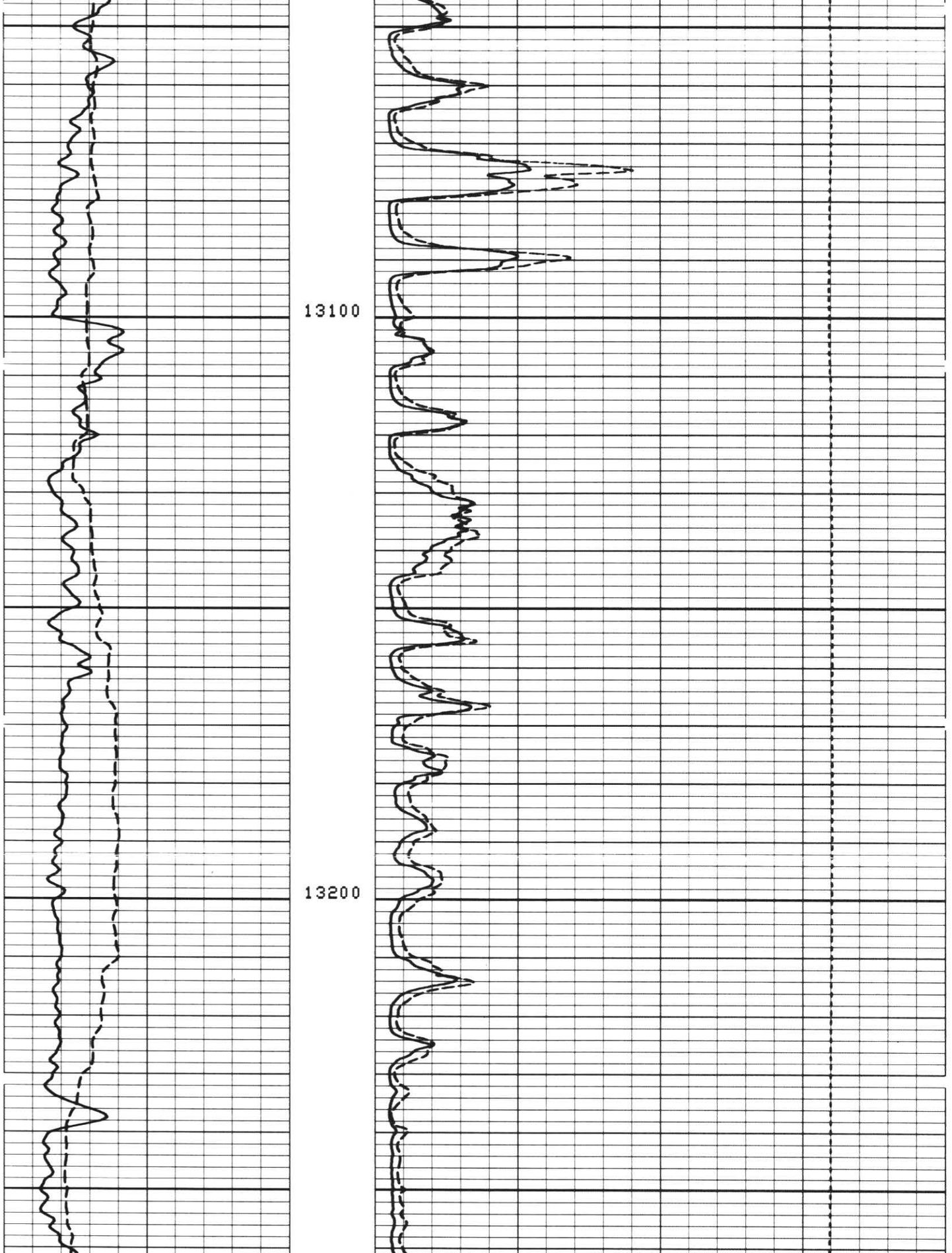
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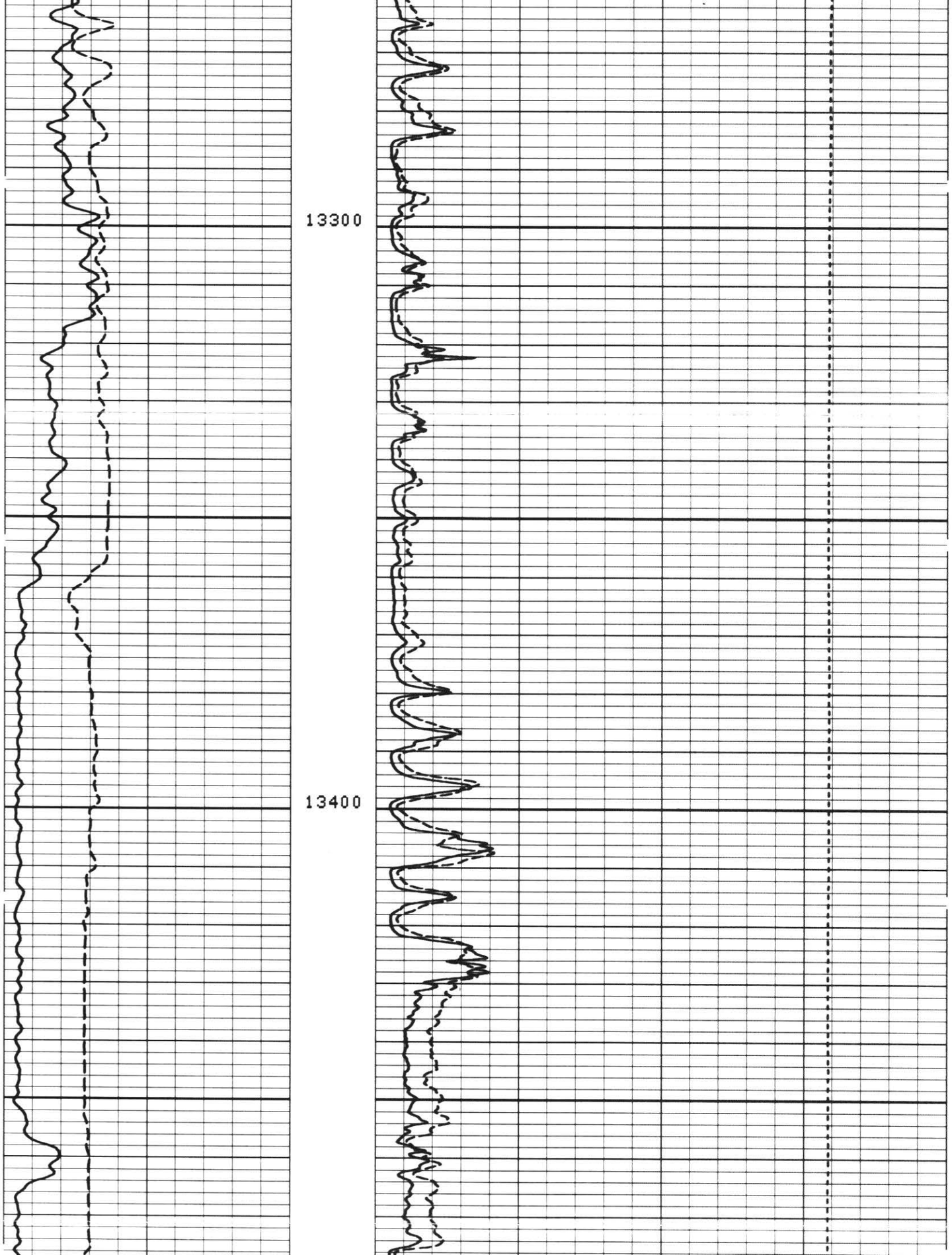
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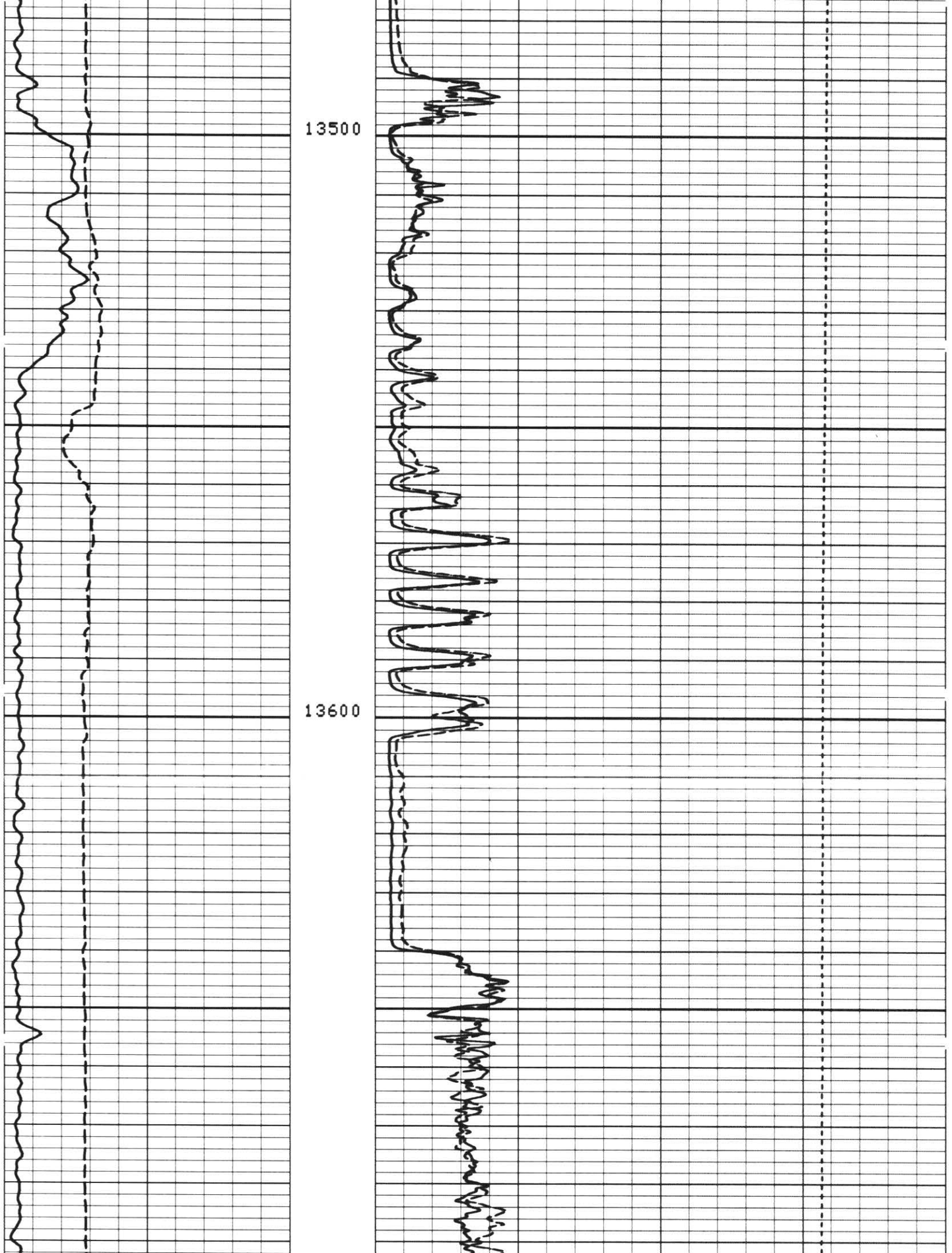
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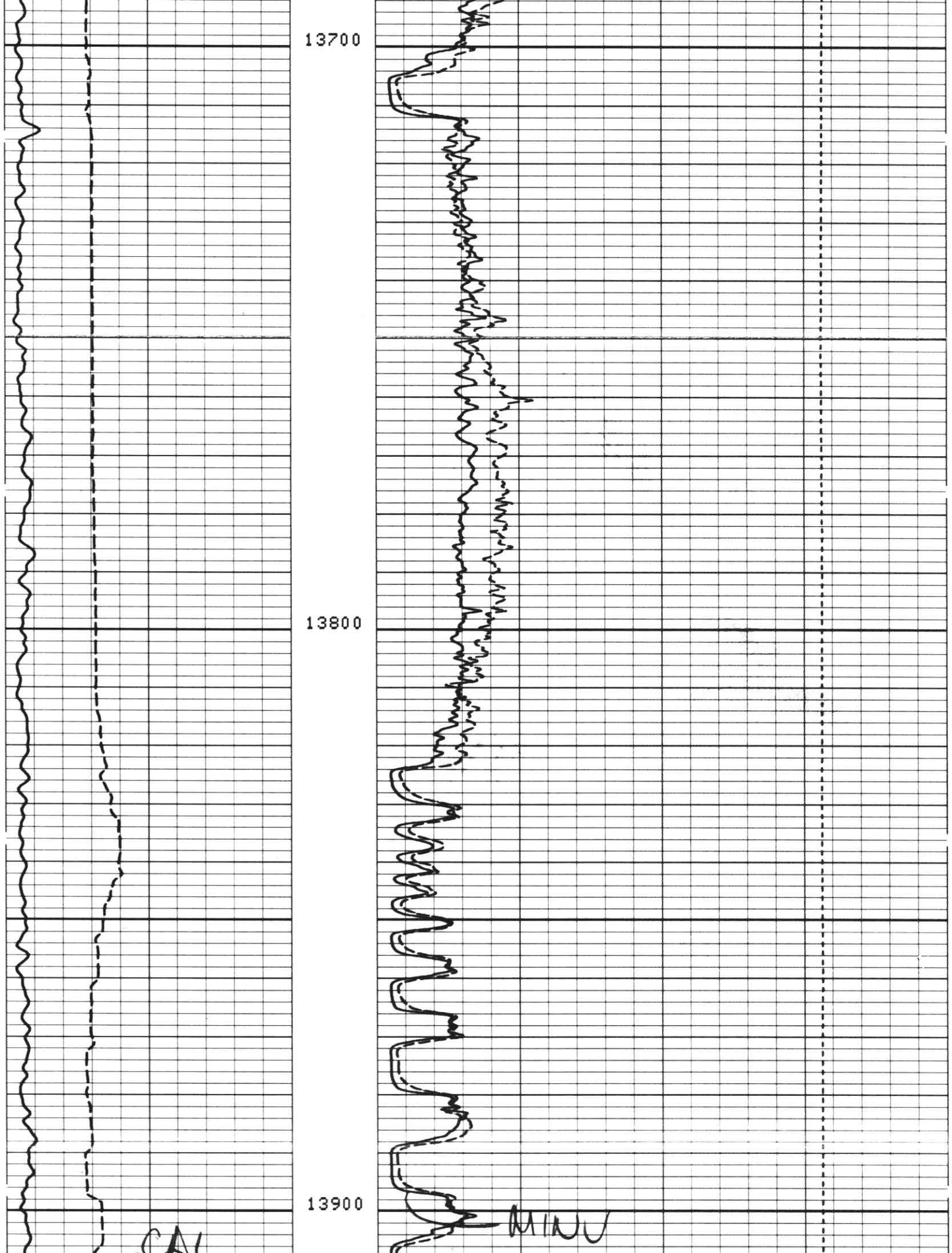
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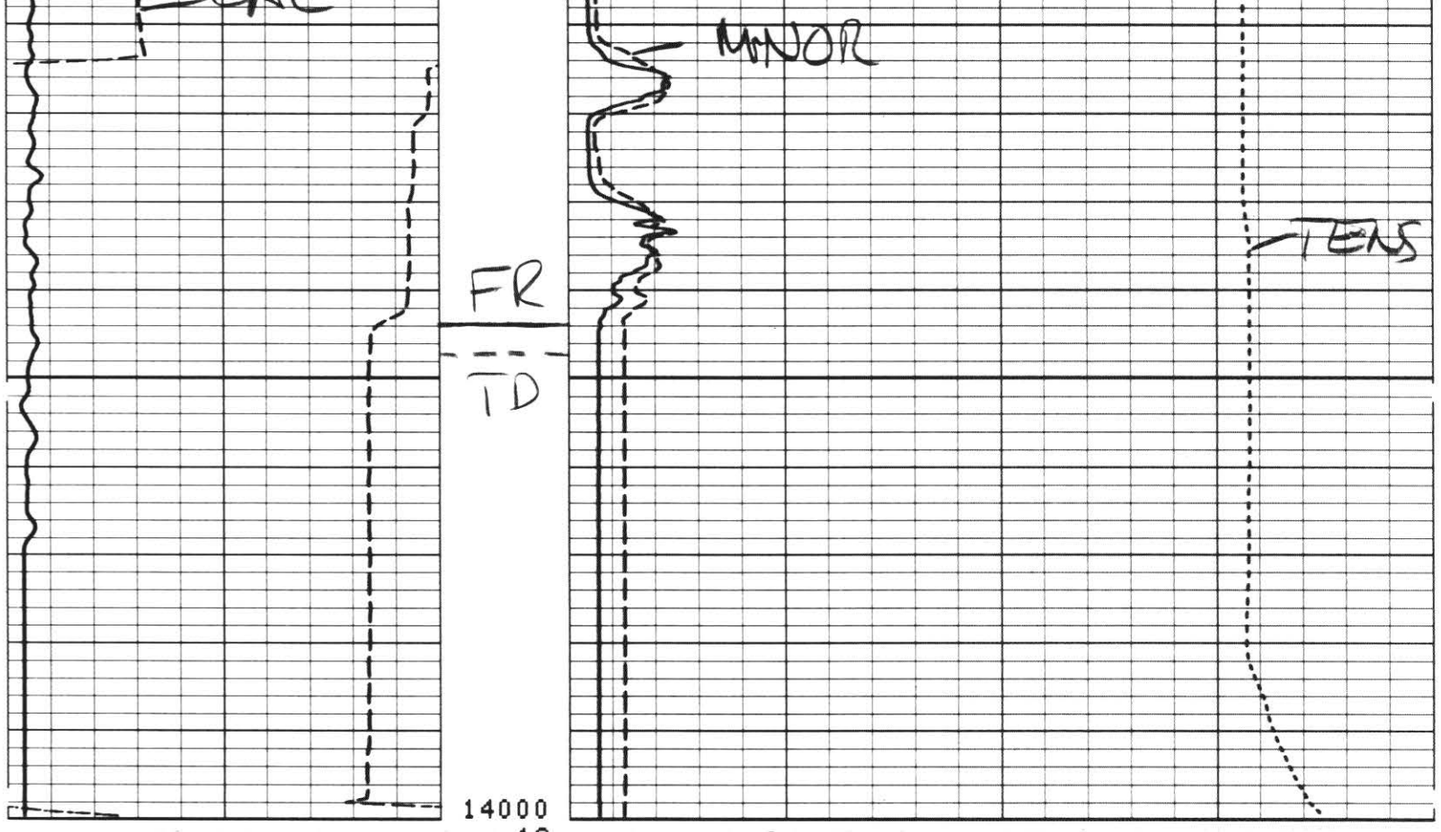


| CALI(IN ) | | TENS(LB ) |
|---|---|---|
| 6.000 16.00 | | 10000. 0.0 |
| GR (GAPI) | | MNOR(OHMM) |
| 0.0 150.0 | | 0.0 20.00 |
| | | MINV(OHMM) |
| | | 0.0 20.00 |

PARAMETERS

| NAME | UNIT | VALUE | NAME | UNIT | VALUE | NAME | UNIT | VALUE |
|---|---|---|---|---|---|---|---|---|
| DD | | 0.0 | FPHI | | PHIX | BS | INCH | 8.500 |

PARAMETERS

| NAME | UNIT | VALUE | NAME | UNIT | VALUE | NAME | UNIT | VALUE |
|---|---|---|---|---|---|---|---|---|
| DD | | 0.0 | FPHI | | PHIX | BS | INCH | 8.500 |

| CALI(IN ) | | TENS(LB ) |
|---|---|---|
| 6.000 16.00 | | 10000. 0.0 |
| | | PROX(OHMM) |

0.2000 2000.

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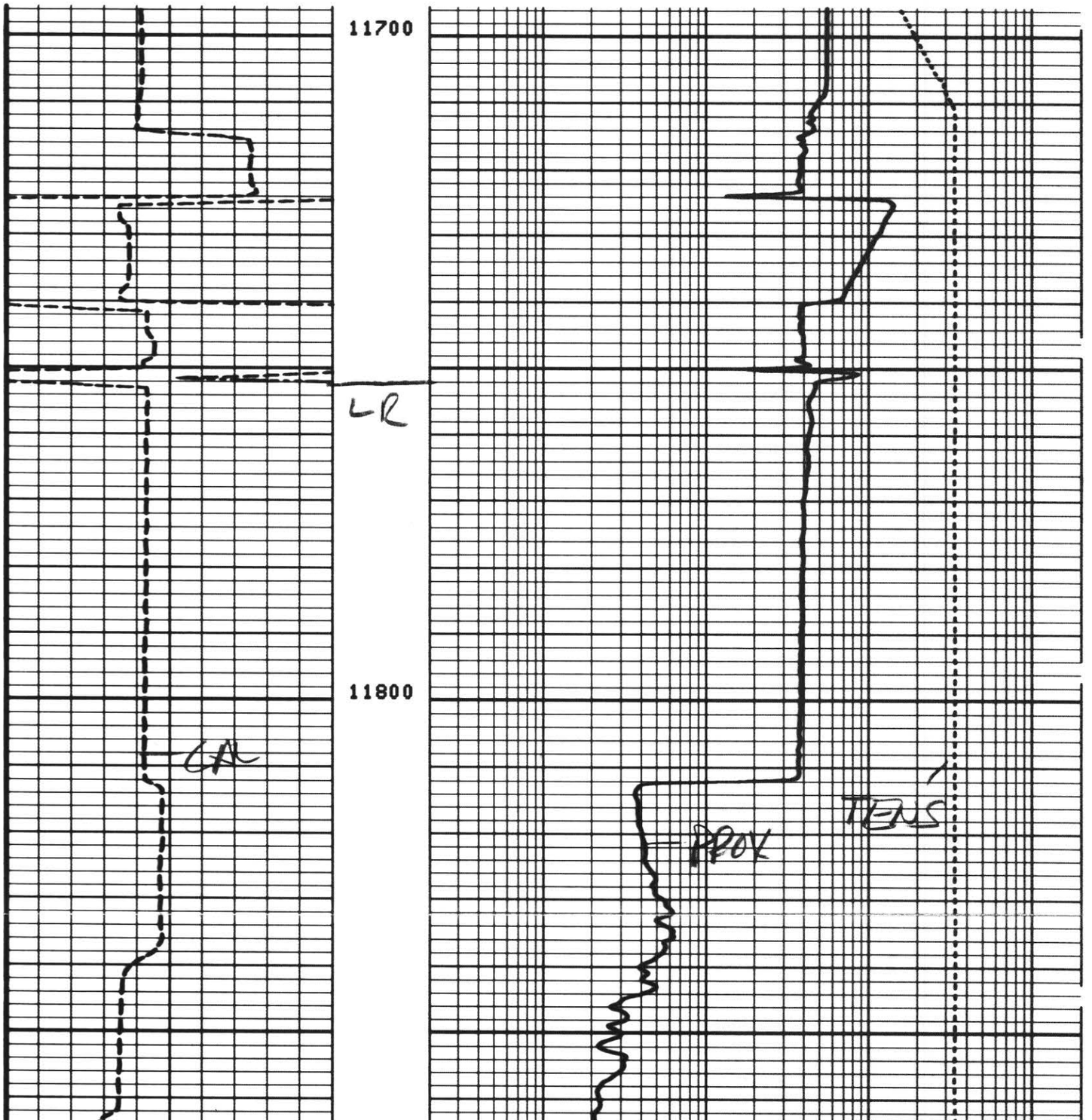

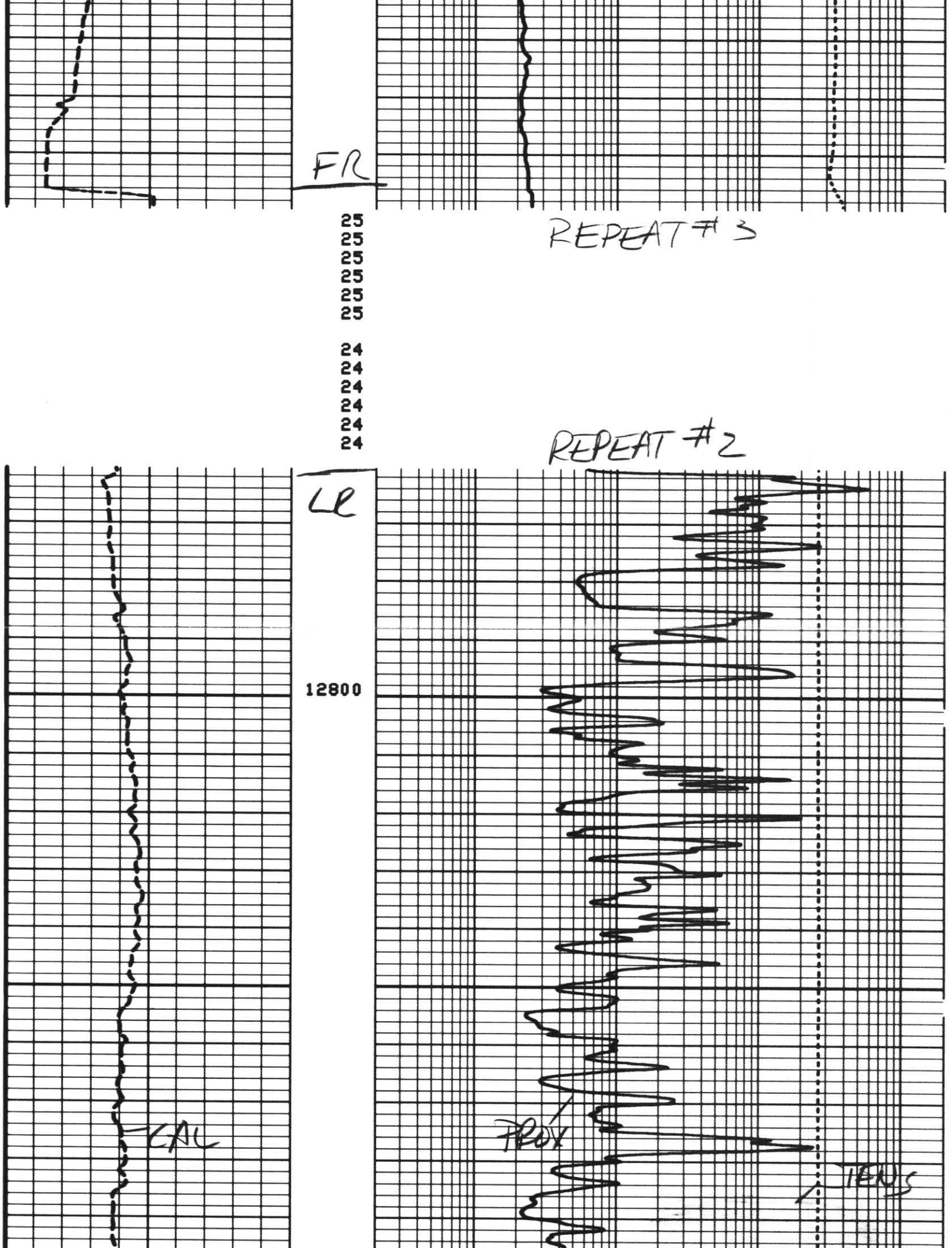
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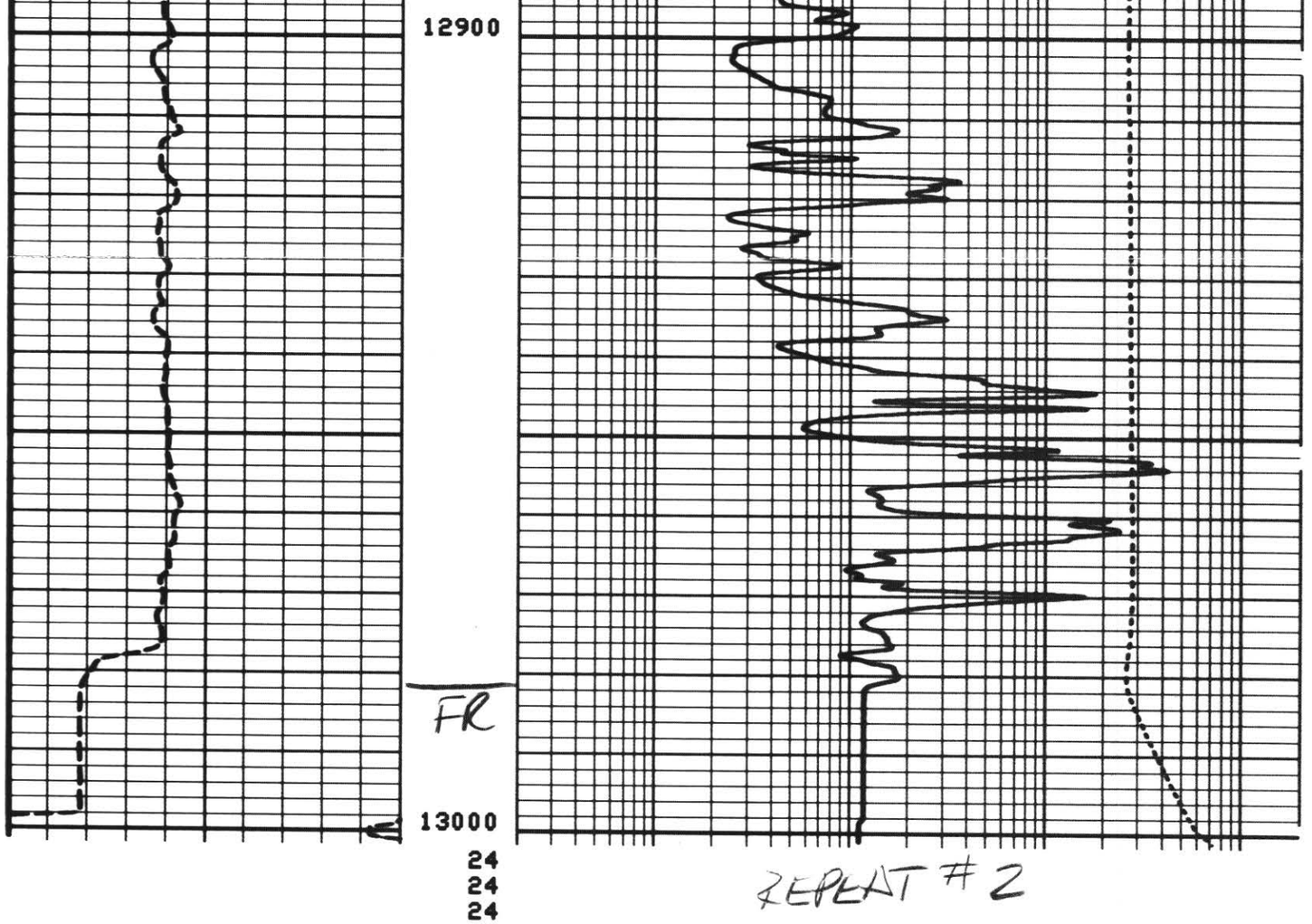
REPEAT #3
REPEAT #2
LL
12800
CAL
PROX
TENS

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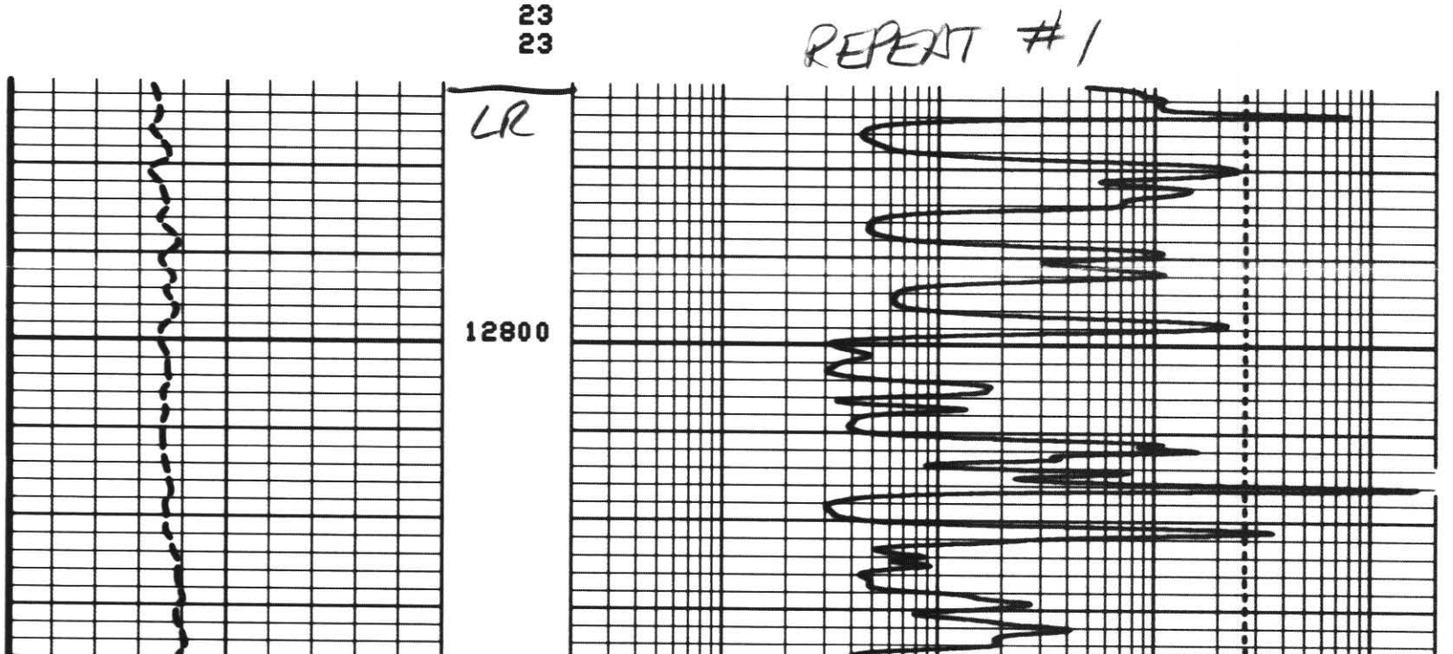

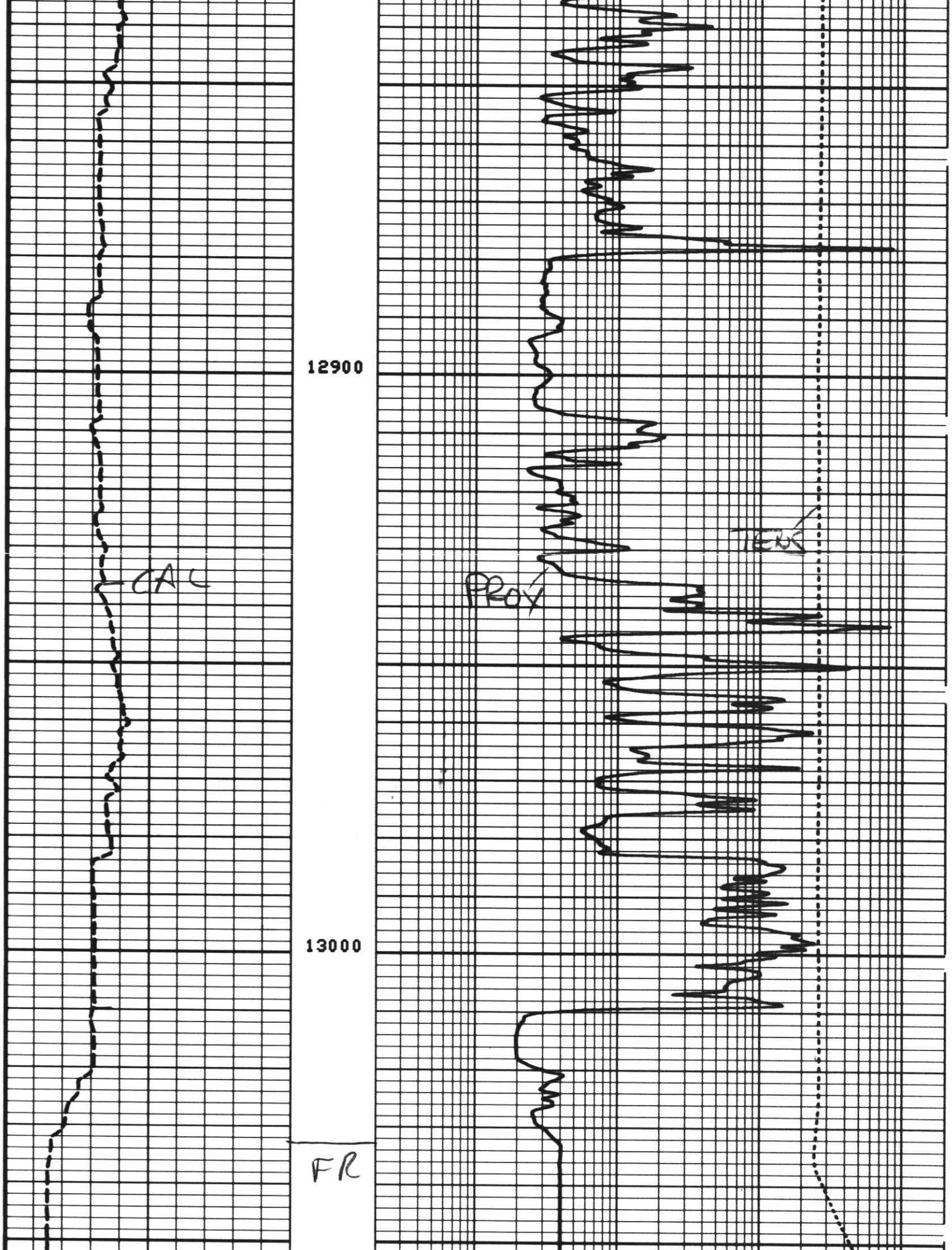
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CAL
PROX
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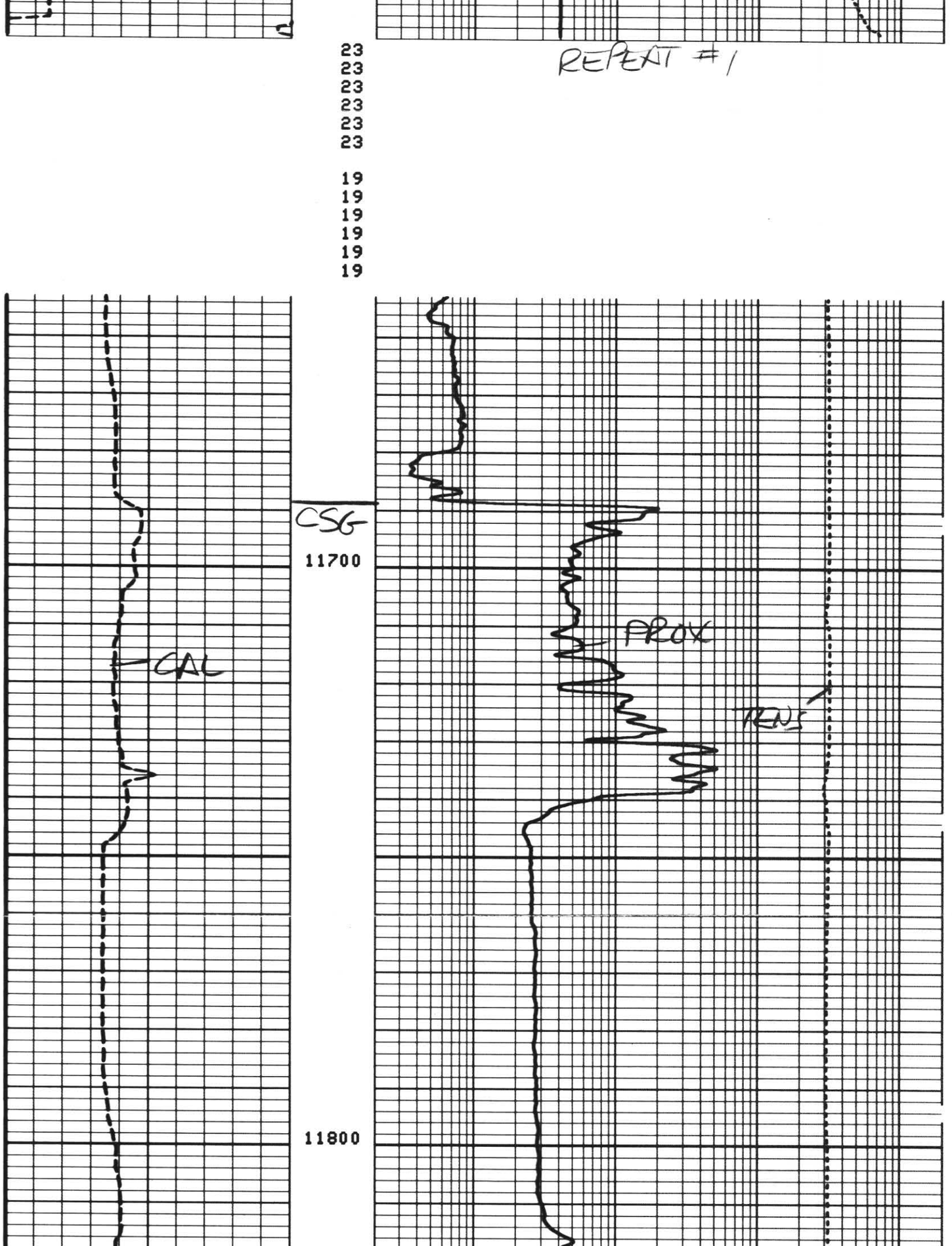
REPEAT #1
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CSG
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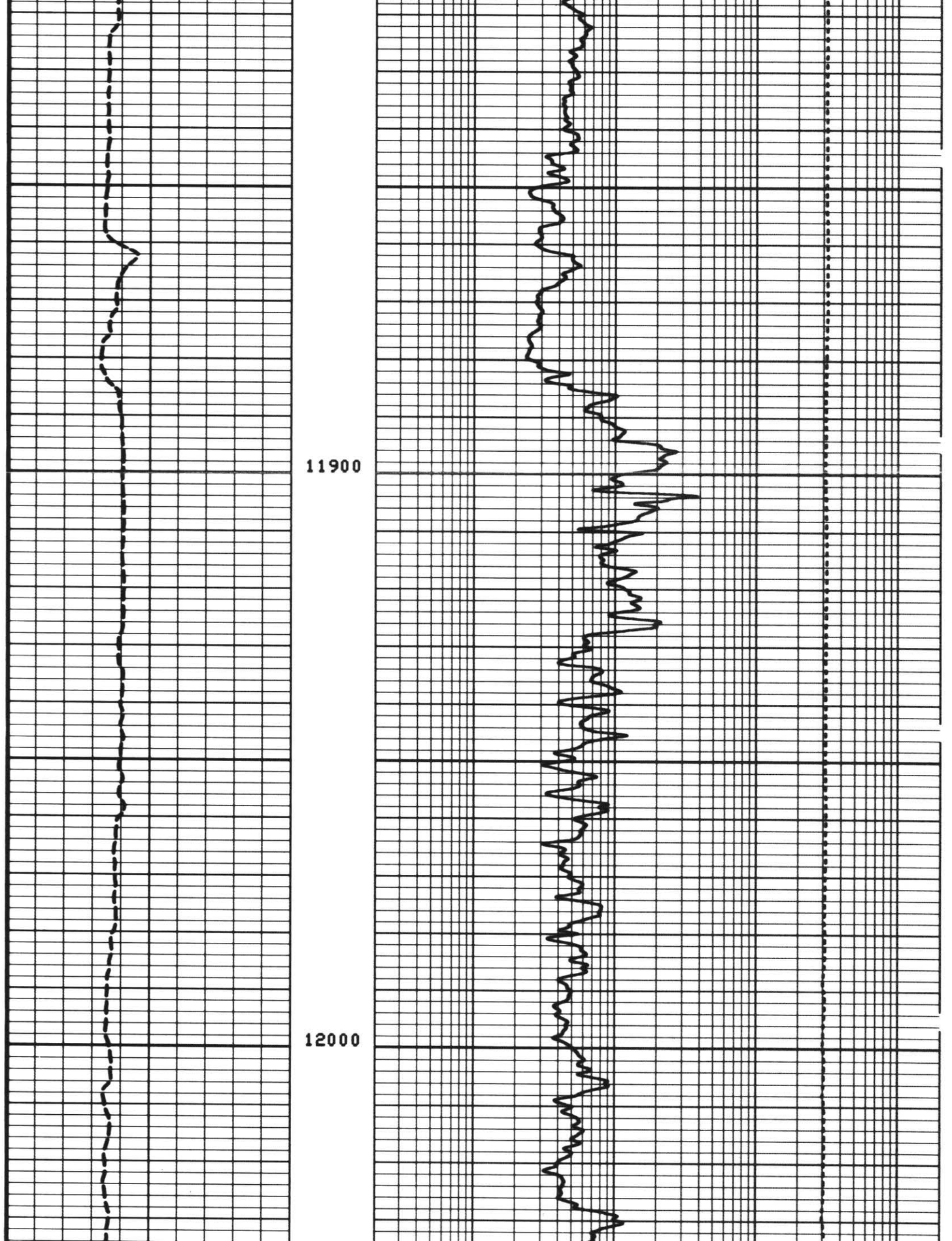
CAL
PROX
REN
11800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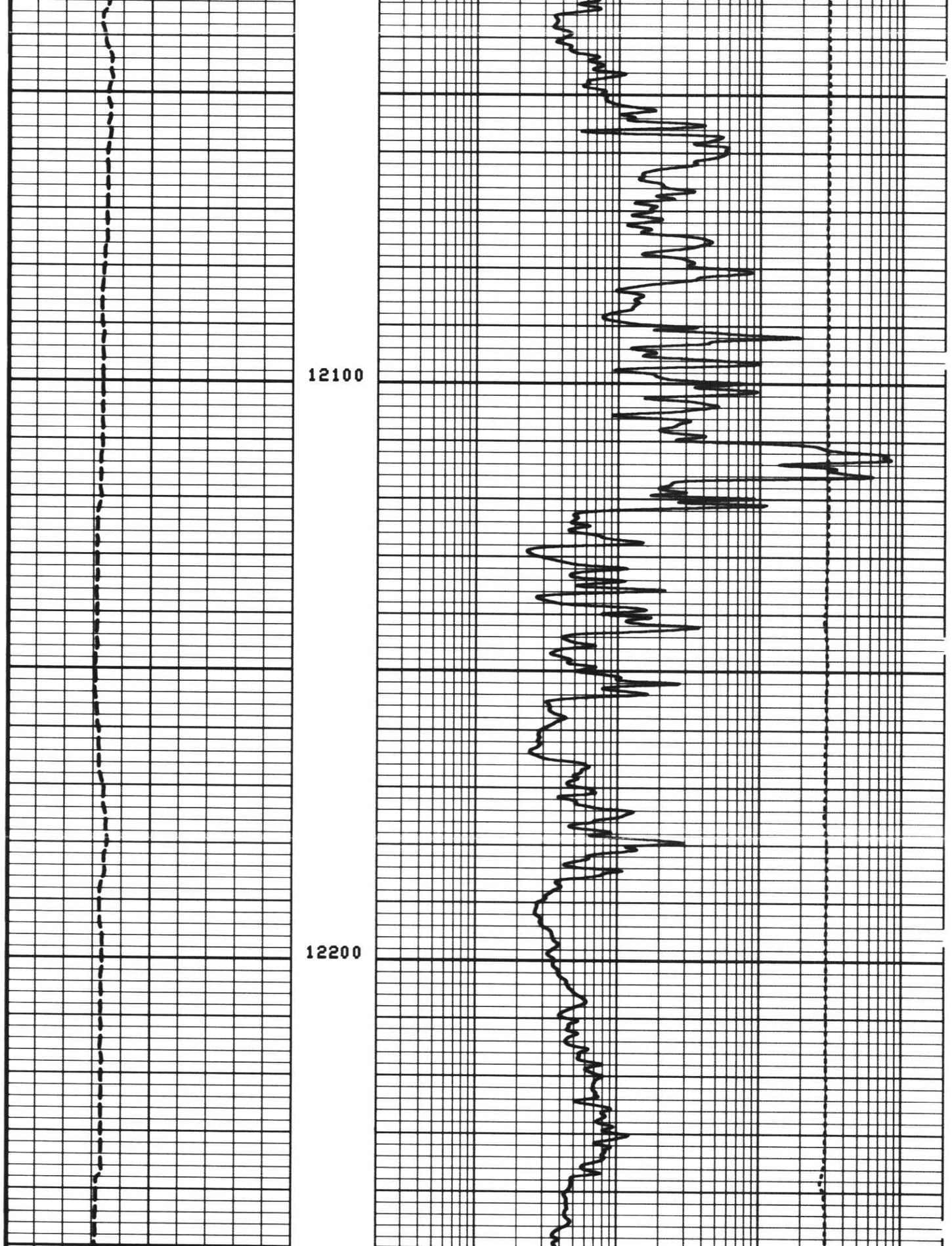
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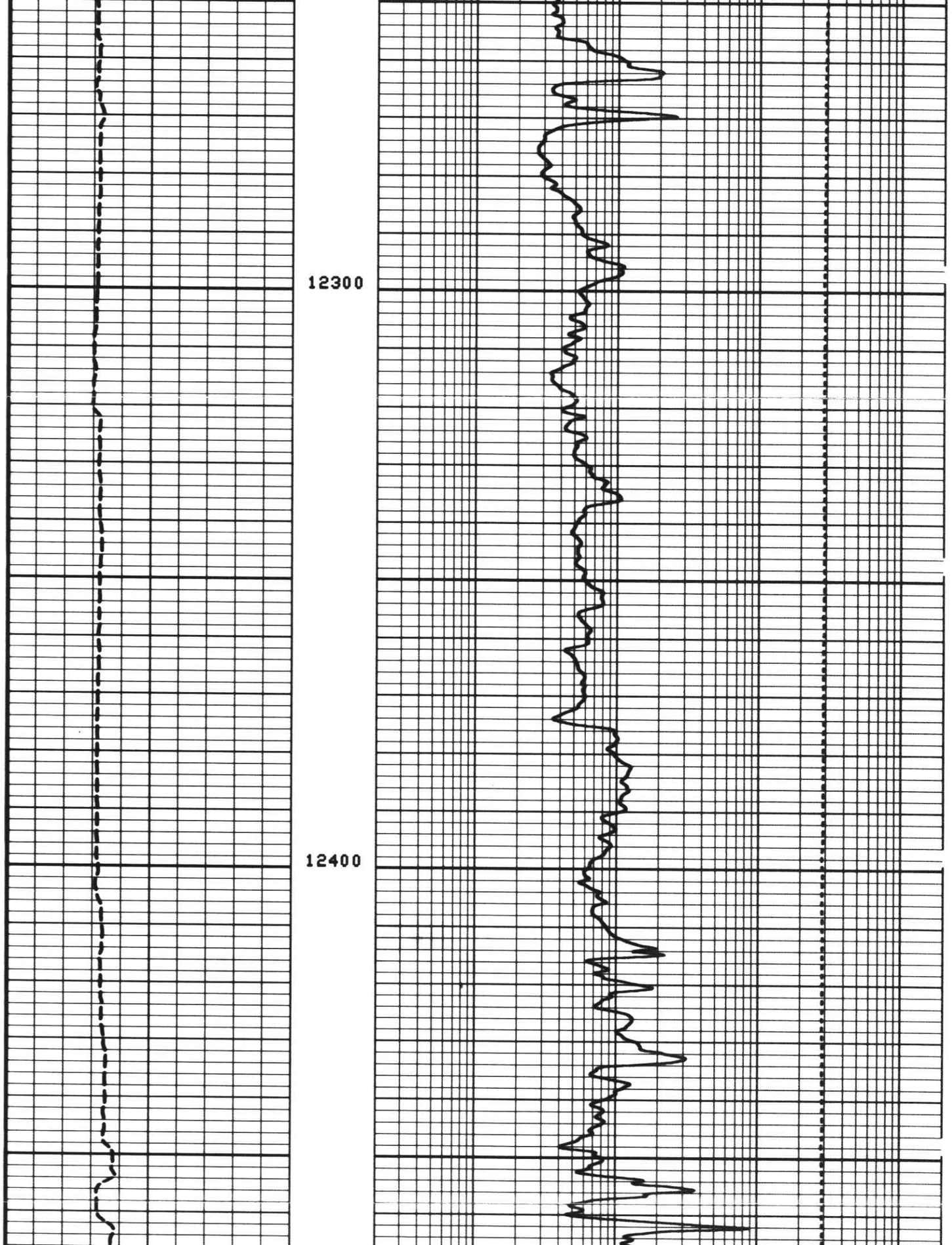
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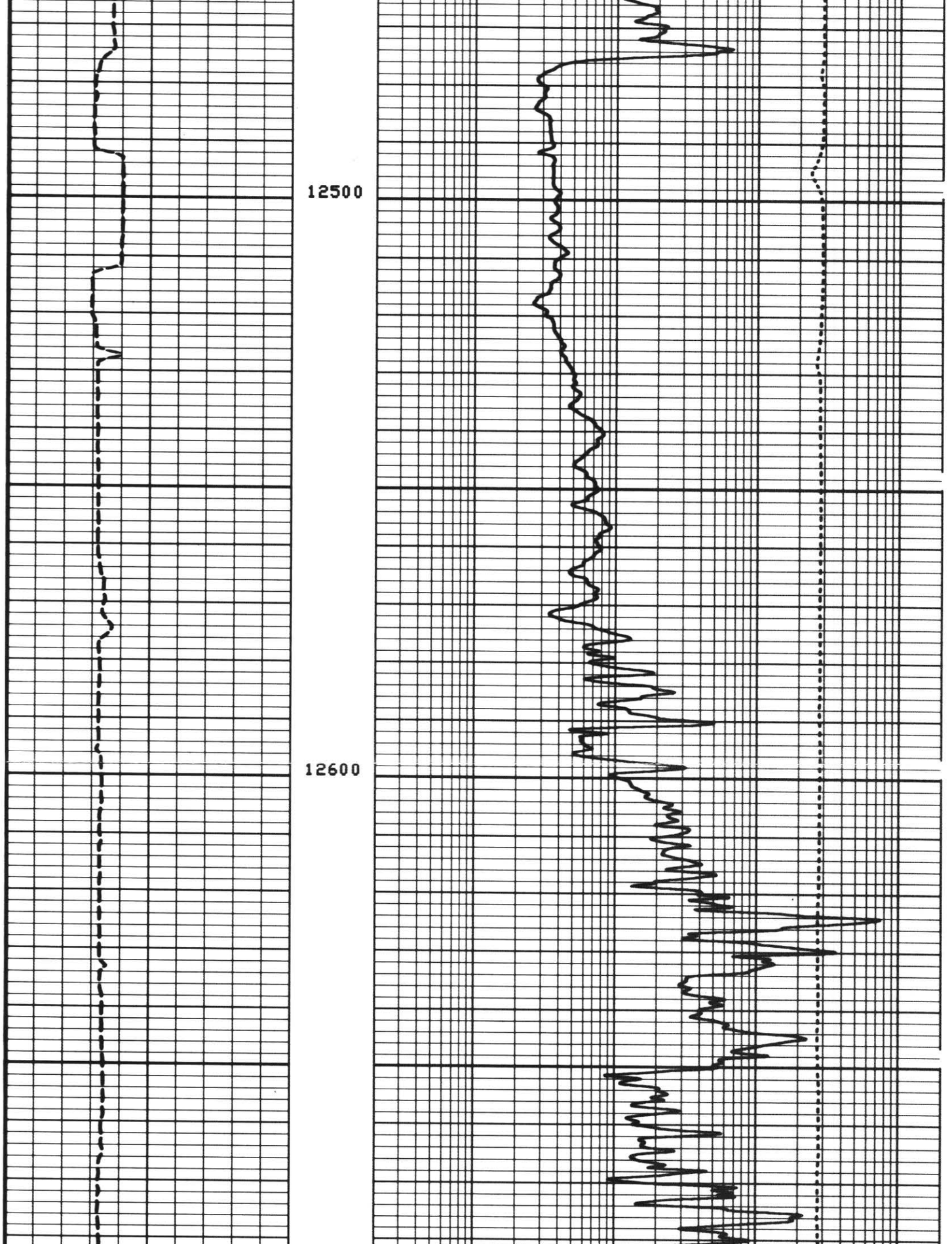
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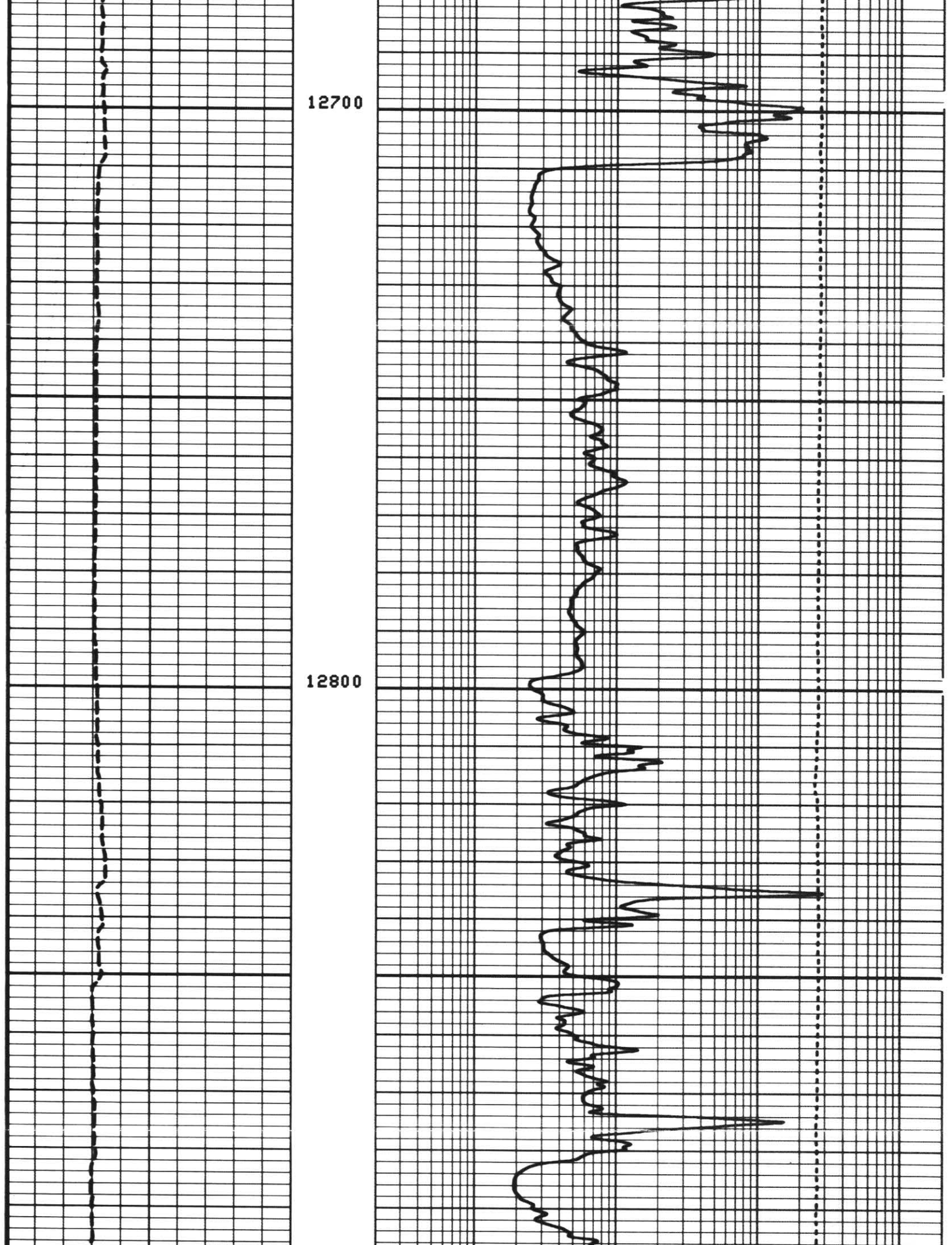
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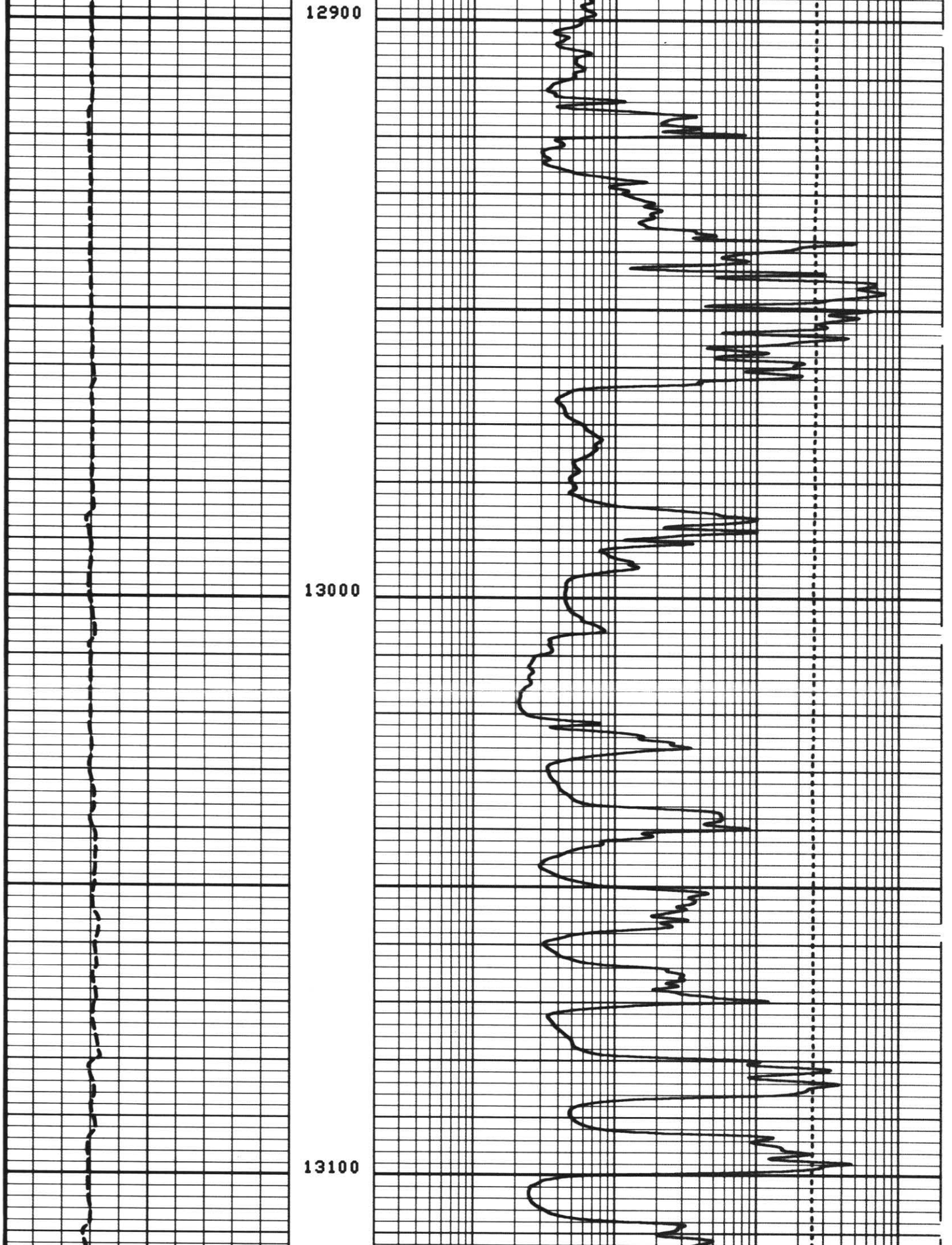
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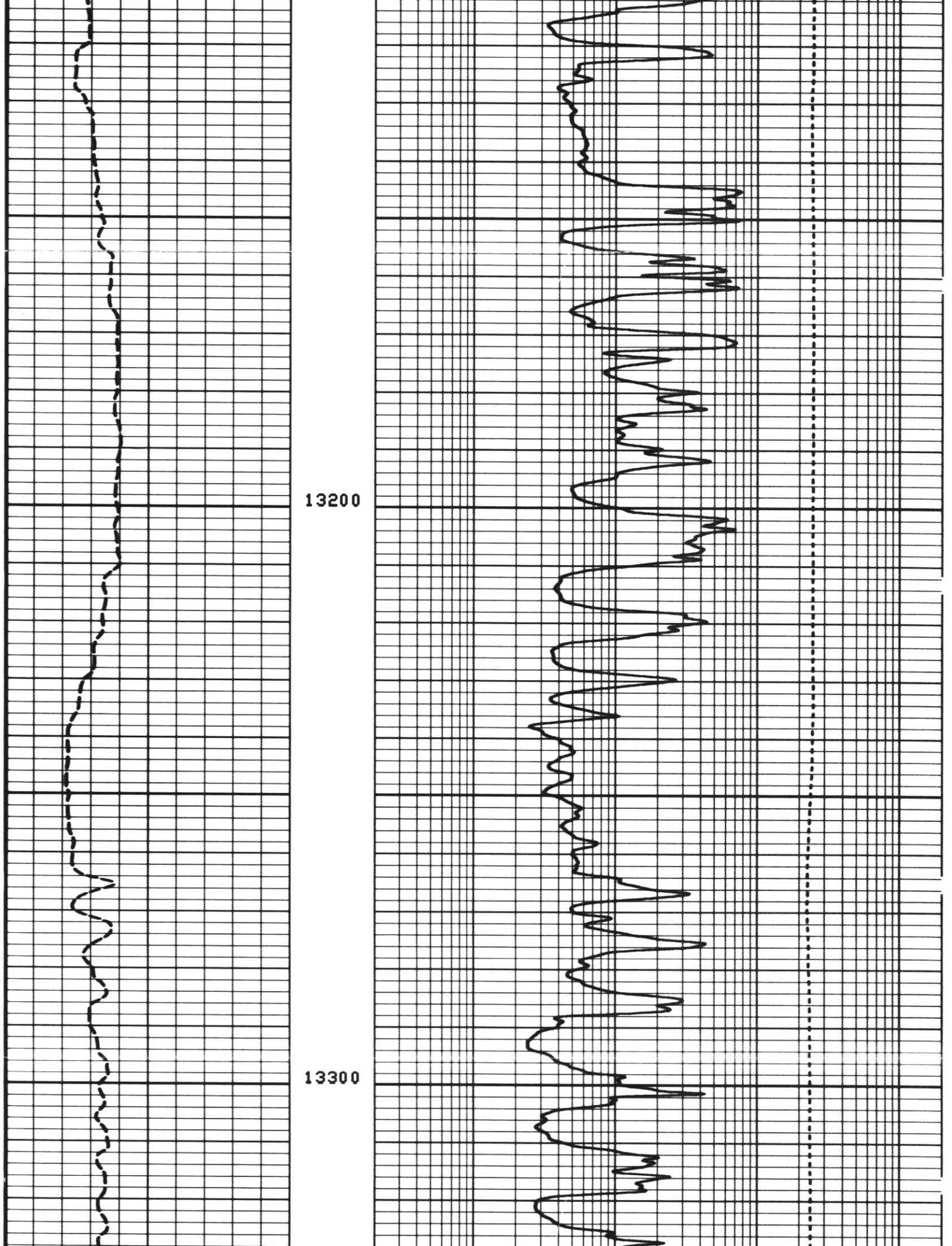
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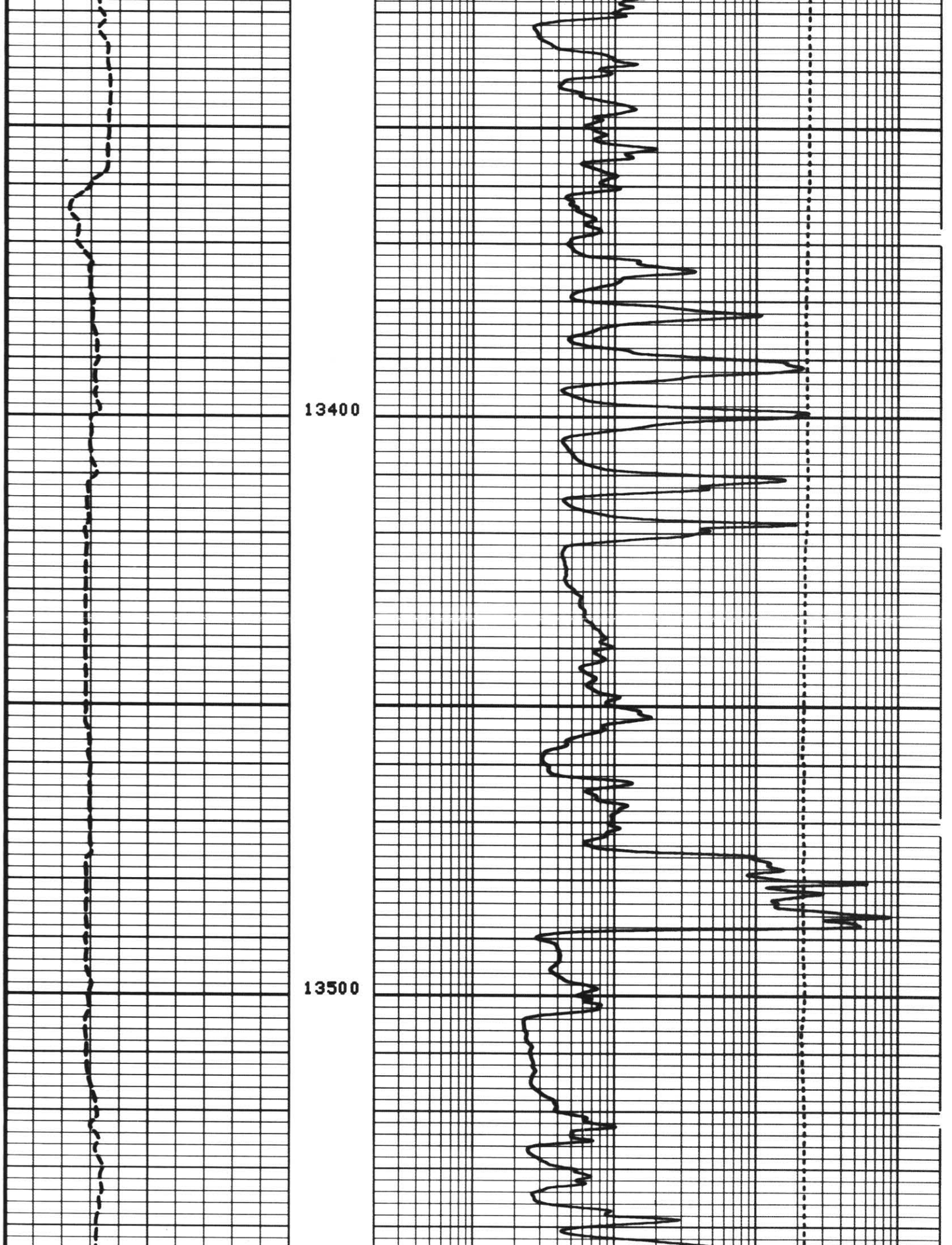
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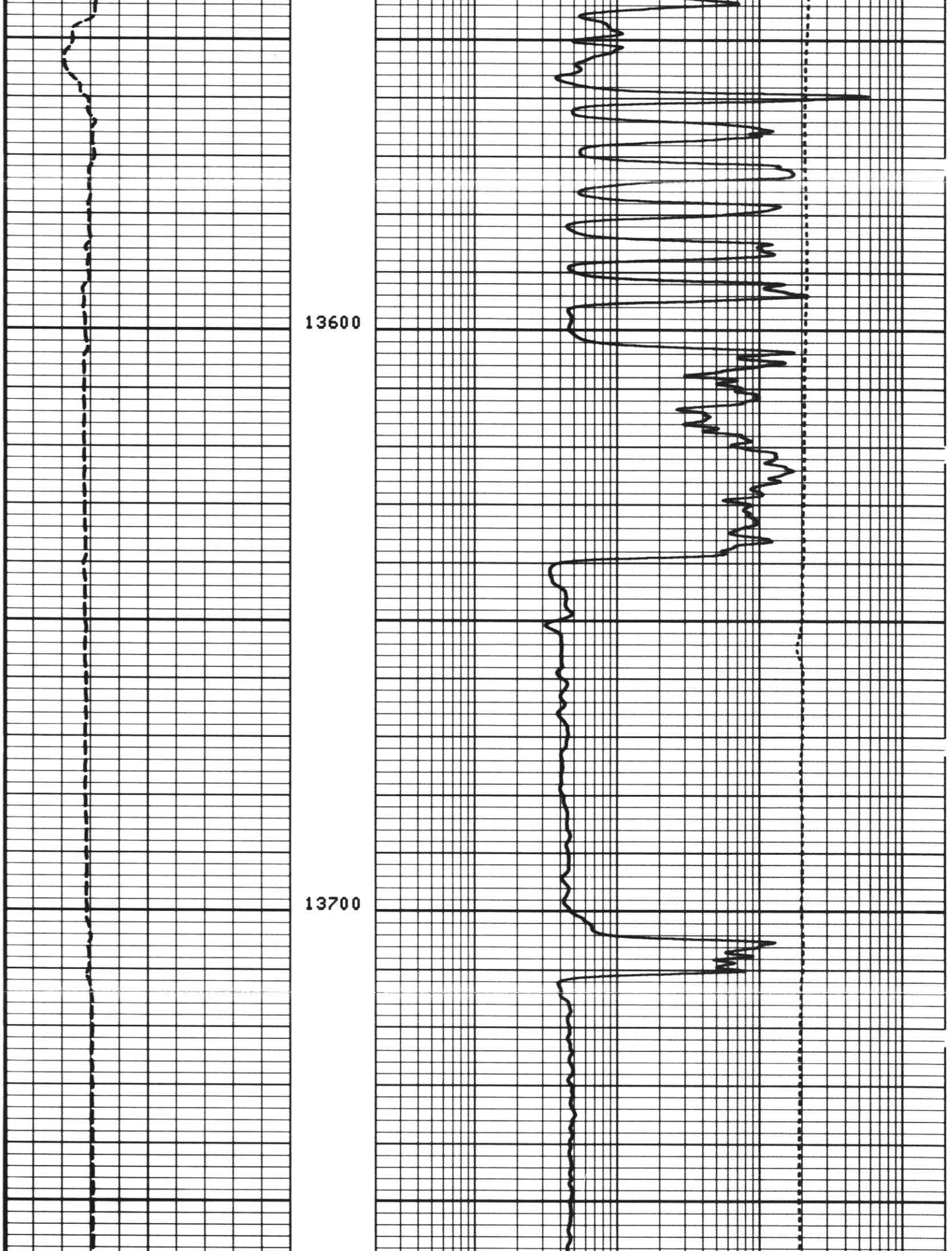
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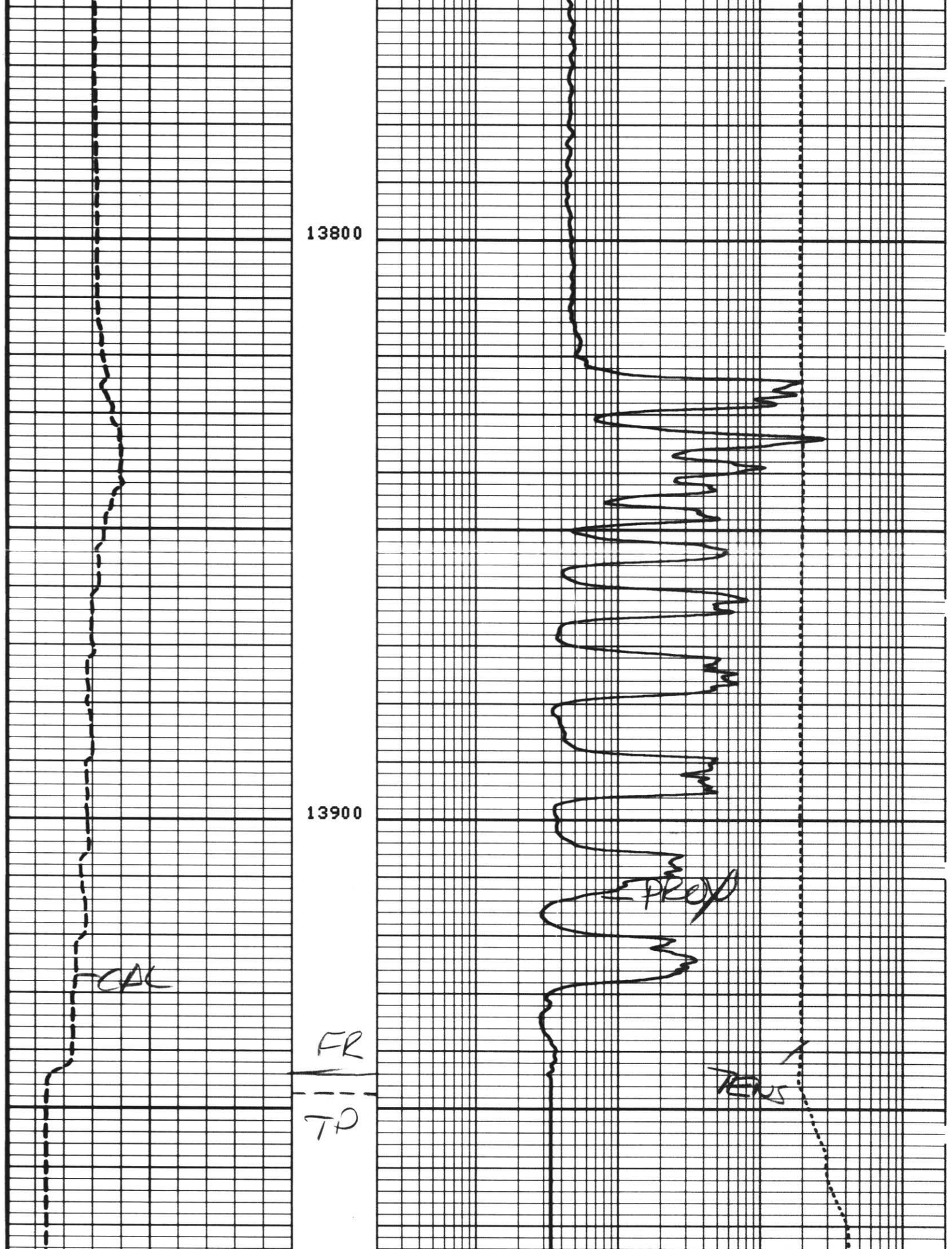
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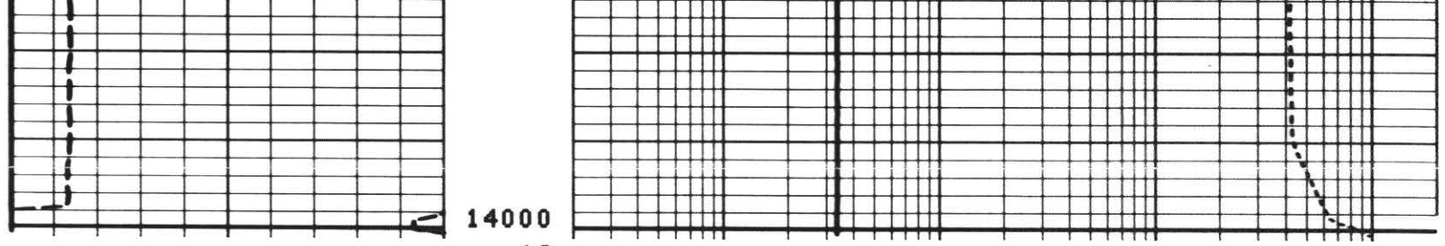
FR
TP



14000

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| CALI(IN ) | | TENS(LB ) |
|---|---|---|
| 6.000 16.00 | | 10000. 0.0 |
| | PROX(OHMM) | |
| | 0.2000 2000. | |

PARAMETERS

| NAME | UNIT | VALUE | NAME | UNIT | VALUE | NAME | UNIT | VALUE |
|---|---|---|---|---|---|---|---|---|
| DO | | 0.0 | FPHI | | PHIX | BS | INCH | 8.500 |

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## BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 81/03/13
PROGRAM FILE: MPT (VERSION 14.4 79/ 6/ 1)

MPT ELECTRONICS CALIBRATION SUMMARY

| | MEASURED ZERO | MEASURED PLUS | CALIBRATED ZERO | CALIBRATED PLUS | UNITS |
|---|---|---|---|---|---|
| MINV | -0.0 | 4.6 | 0.0 | 5.0 | OHMM |
| MNOR | -0.0 | 4.8 | 0.0 | 5.0 | OHMM |
| PROX | 1.5 | 526.5 | 0.0 | 499.9 | MM/M |

SGTE DETECTOR CALIBRATION SUMMARY

| | MEASURED BKGD | MEASURED JIG | CALIBRATED | UNITS |
|---|---|---|---|---|
| GR | 0 | 0 | 0 | GAPI |

MPT CALIPER CALIBRATION SUMMARY

| | MEASURED SMALL | MEASURED LARGE | CALIBRATED SMALL | CALIBRATED LARGE | UNITS |
|---|---|---|---|---|---|
| CALI | 6.6 | 8.9 | 8.0 | 12.0 | IN |

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AFTER SURVEY TOOL CHECK SUMMARY

PERFORMED: 81/03/13
PROGRAM FILE: MPT (VERSION 14.4 79/ 6/ 1)

MPT TOOL CHECK

| | ZERO BEFORE | ZERO AFTER | PLUS BEFORE | PLUS AFTER | UNITS |
|---|---|---|---|---|---|
| MINV | 0.0 | 0.0 | 5.0 | 4.8 | OHMM |
| MNOR | 0.0 | -0.0 | 5.0 | 4.8 | OHMM |
| PROX | 0.0 | 0.1 | 499.9 | 489.5 | MM/M |

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