



**NABORS**

**COMPLETION  
& PRODUCTION  
SERVICES CO.**

**SONIC  
LOG**

|                              |                           |                     |                       |
|------------------------------|---------------------------|---------------------|-----------------------|
| Company                      | MULL DRILLING COMPANY     | Company             | MULL DRILLING COMPANY |
| Well                         | GAYLE #1-2                | Well                | GAYLE #1-2            |
| Field                        |                           | Field               |                       |
| County                       | WICHITA                   | County              | WICHITA               |
| State                        | KANSAS                    | State               | KANSAS                |
| Location:                    | API # : 15-203-20285-0000 | Other Services      |                       |
|                              | 2690' FSL & 2127' FEL     | CDL/CNL/PE          |                       |
|                              | SE SW SW NE               | DIL/MEL             |                       |
| Permanent Datum              | SEC 2 TWP 16S RGE 38W     | Elevation           |                       |
| Log Measured From            | GROUND LEVEL              | K.B. 3438           |                       |
| Drilling Measured From       | KELLY BUSHING 9' A.G.L.   | D.F. 3436           |                       |
|                              | KELLY BUSHING             | G.L. 3429           |                       |
| Date                         | 10/1/14                   |                     |                       |
| Run Number                   | TWO                       |                     |                       |
| Depth Driller                | 5100                      |                     |                       |
| Depth Logger                 | 5098                      |                     |                       |
| Bottom Logged Interval       | 5088                      |                     |                       |
| Top Log Interval             | 200                       |                     |                       |
| Casing Driller               | 8 5/8" @ 216              |                     |                       |
| Casing Logger                | 210                       |                     |                       |
| Bit Size                     | 7.875                     |                     |                       |
| Type Fluid in Hole           | CHEMICAL MUD              | CHLORIDES 9,000 PPM |                       |
| Density / Viscosity          | 9.3/57                    |                     |                       |
| pH / Fluid Loss              | 8.0/10.4                  |                     |                       |
| Source of Sample             | FLOWLINE                  |                     |                       |
| Rm @ Meas. Temp              | .30 @ 85F                 |                     |                       |
| Rmt @ Meas. Temp             | .23 @ 85F                 |                     |                       |
| Rmc @ Meas. Temp             | .36 @ 85F                 |                     |                       |
| Source of Rmt / Rmc          | MEASURED                  |                     |                       |
| Rm @ BHT                     | .20 @ 126F                |                     |                       |
| Time Circulation Stopped     | 2 HOURS                   |                     |                       |
| Time Logger on Bottom        |                           |                     |                       |
| Maximum Recorded Temperature | 126F                      |                     |                       |
| Equipment Number             | 4010                      |                     |                       |
| Location                     | HAYS, KS.                 |                     |                       |
| Recorded By                  | JASON CAPPELLUCCI         |                     |                       |
| Witnessed By                 | STEVE REED                |                     |                       |

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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 interpretation, 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 our general terms and conditions set out in our current Price Schedule.

Comments

NABORS COMPLETION & PRODUCTION SERVICES  
785-628-6395  
THANK YOU FOR YOUR BUSINESS  
LEOTI, KS. - NORTH TO COUNTY LINE RD. A - 6 1/2 WEST - SOUTH INTO

Database File:

26201pe.db

Dataset Pathname:

pass7.3

Presentation Format:

\_slt

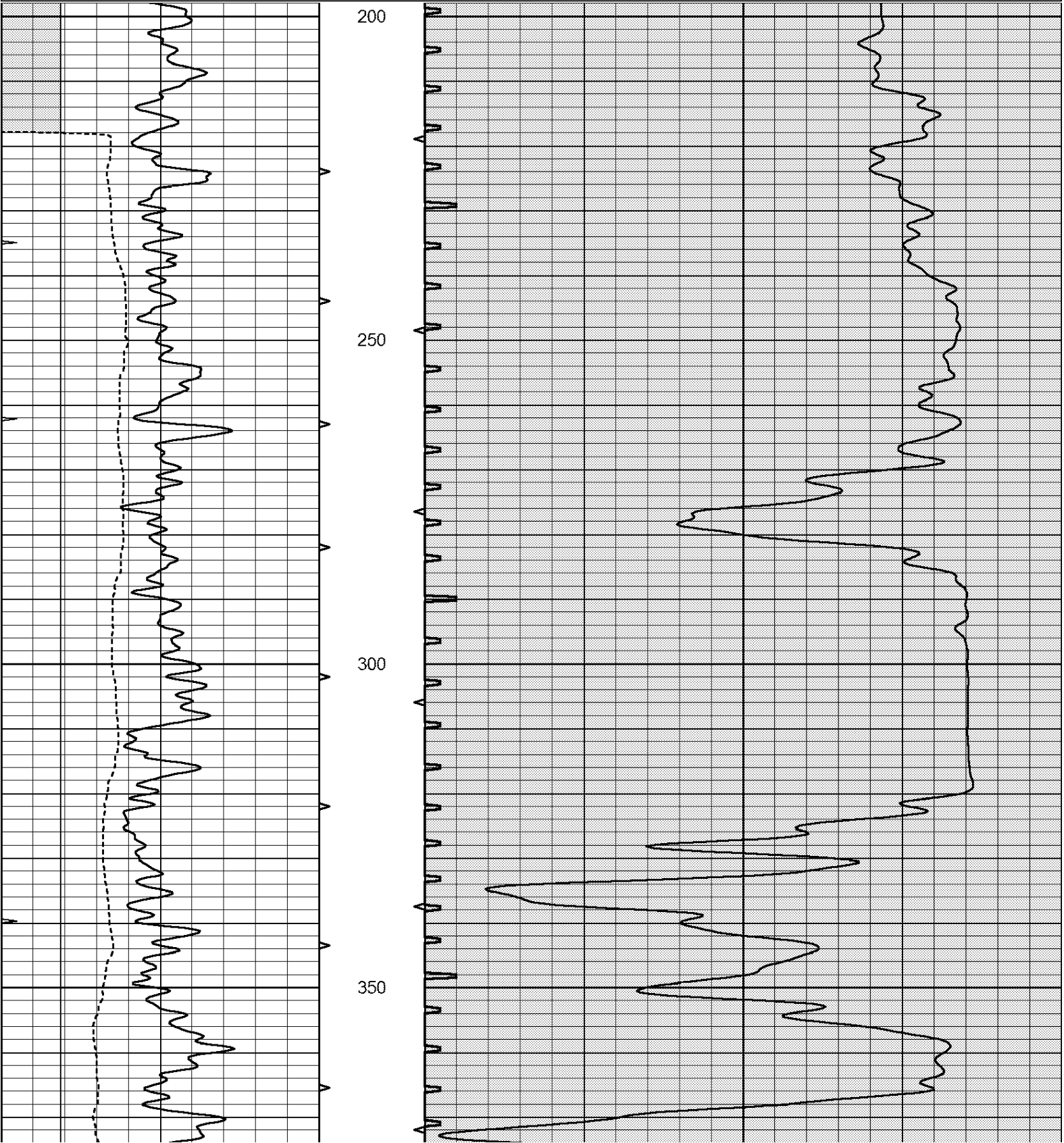
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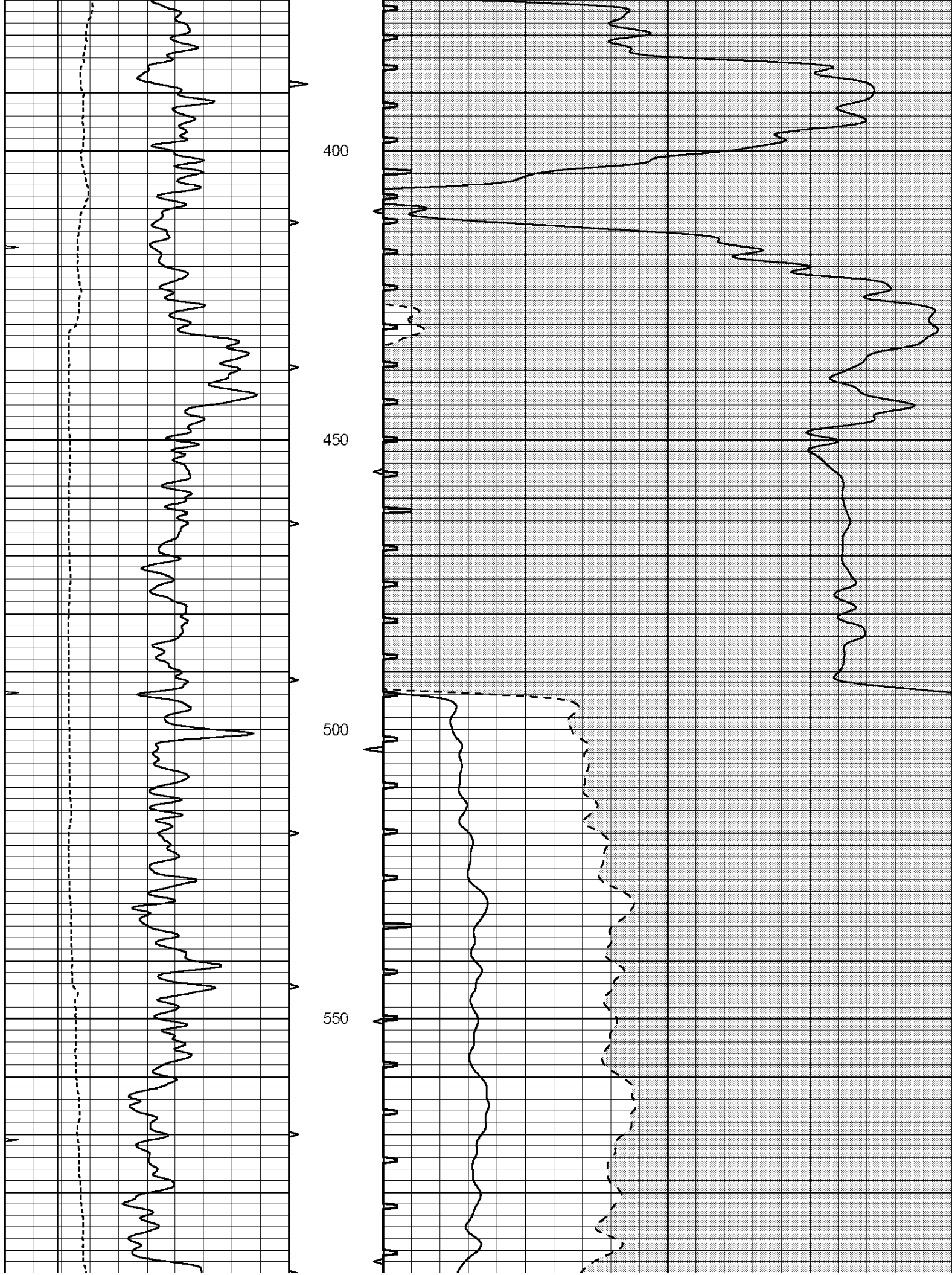
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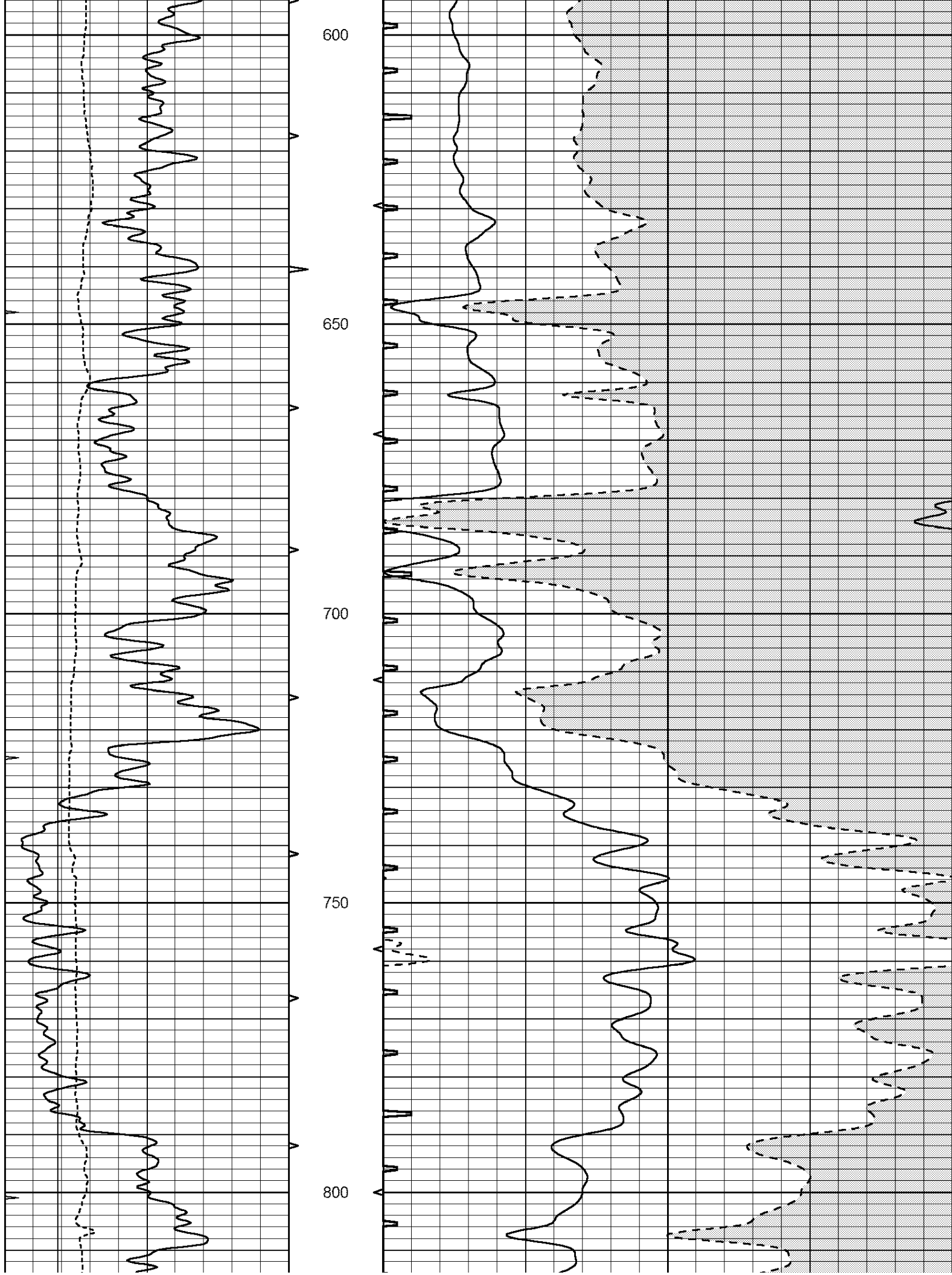
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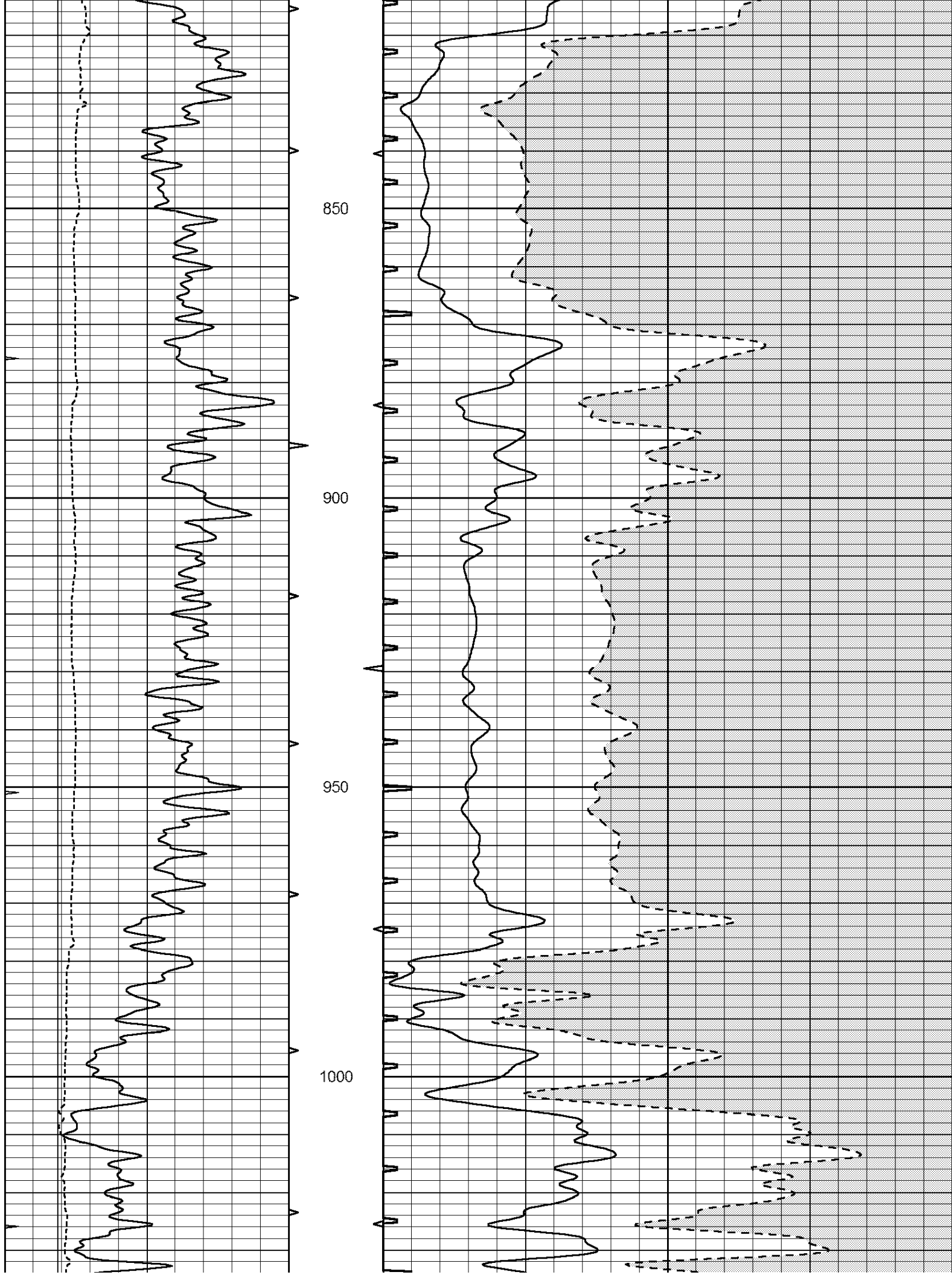
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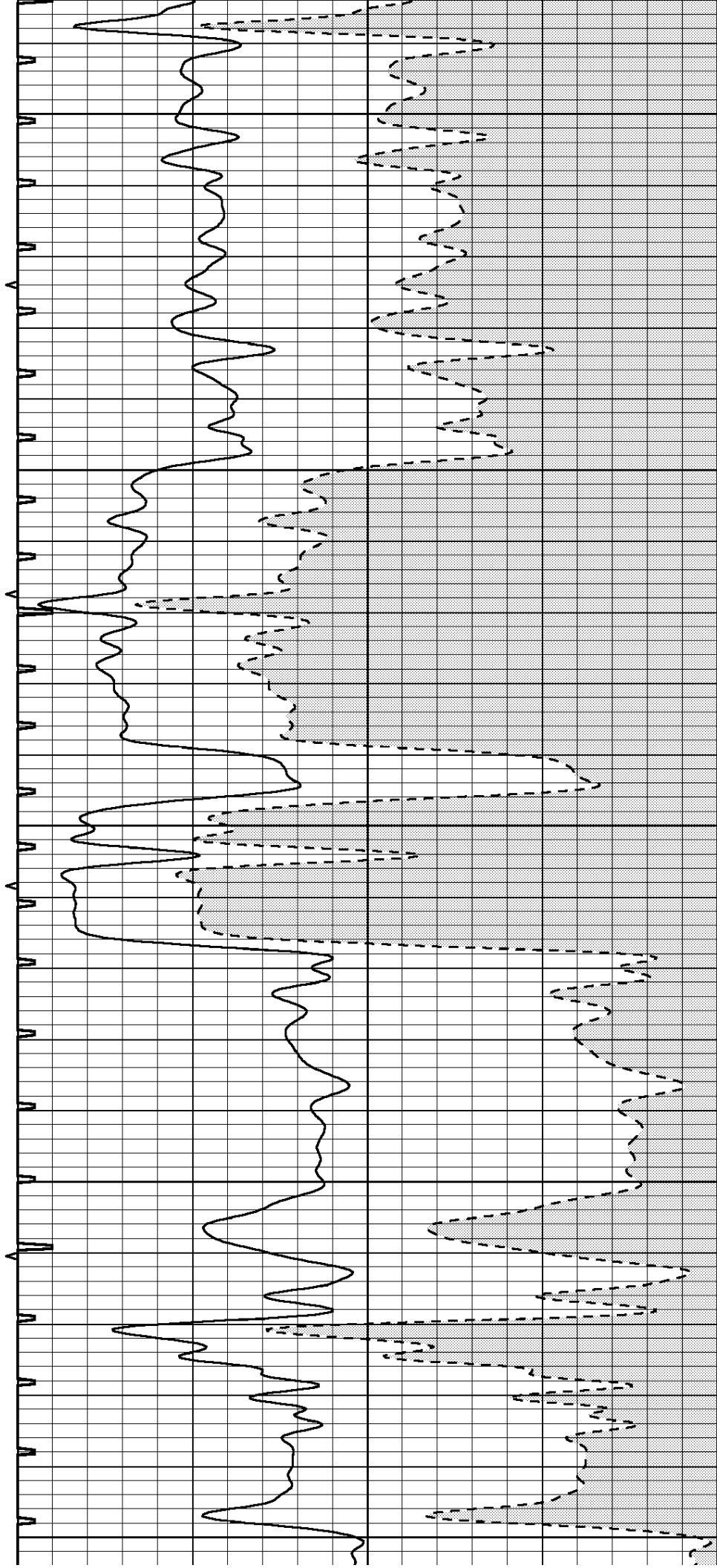
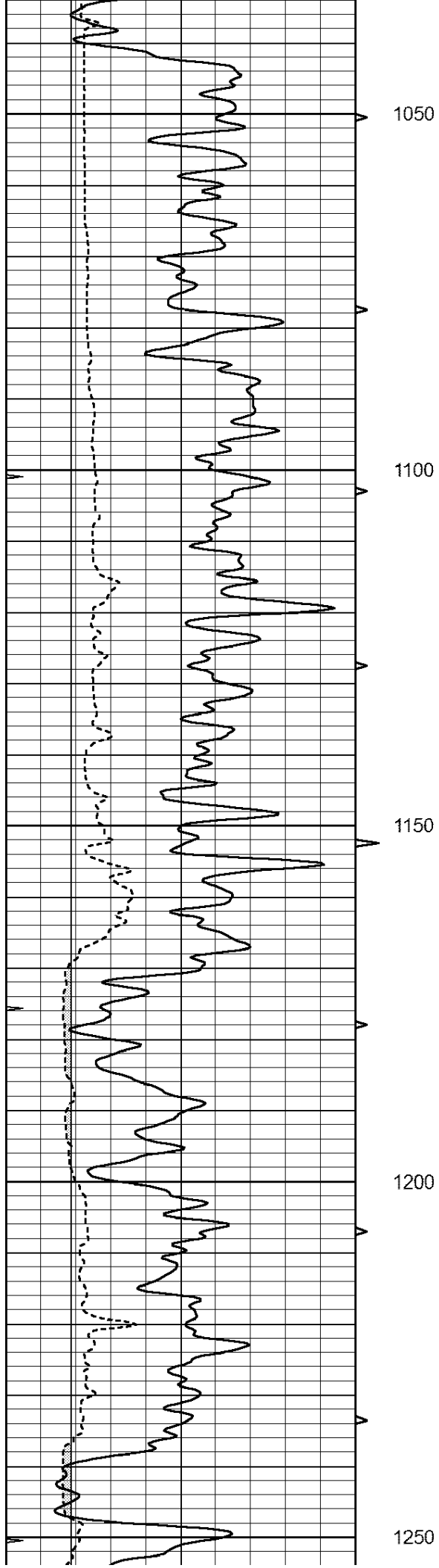
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|---|------------------|-----|------------|-----|----------------------|-----|
| 0 | GAMMA RAY (GAPI) | 150 | ABHV       | 140 | DELTA TIME (usec/ft) | 40  |
| 6 | CALIPER (in)     | 16  | 10 (ft3) 0 | 30  | SONIC POROSITY (pu)  | -10 |
| 0 | MINMK            | 20  | TBHV       | 0   | ITT (msec)           | 20  |
|   |                  |     | 0 (ft3) 10 |     |                      |     |

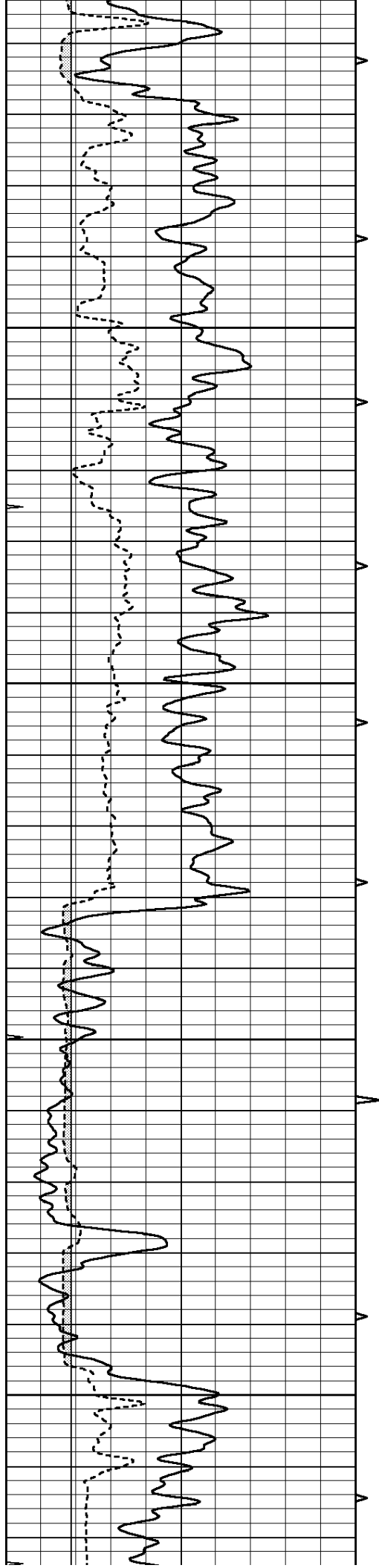










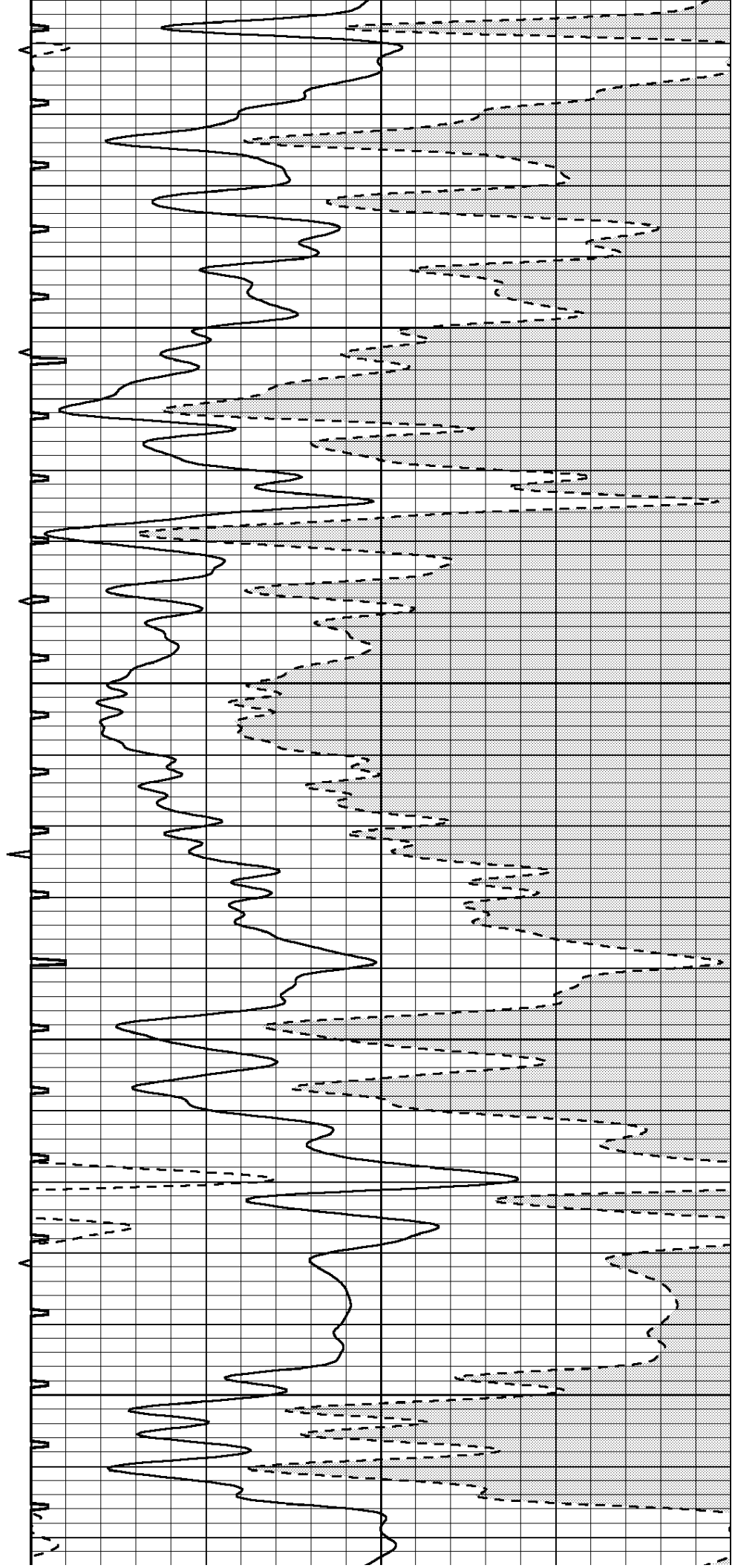


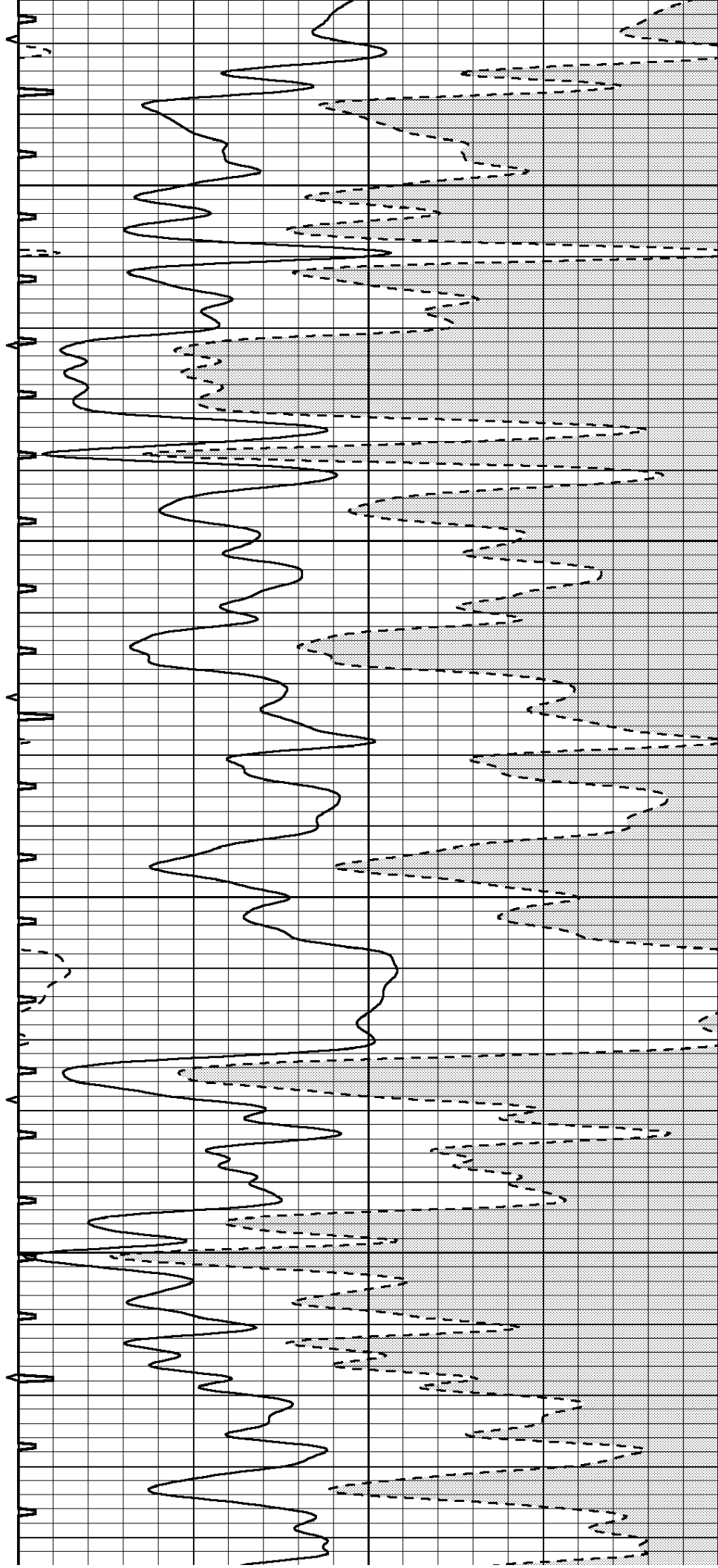
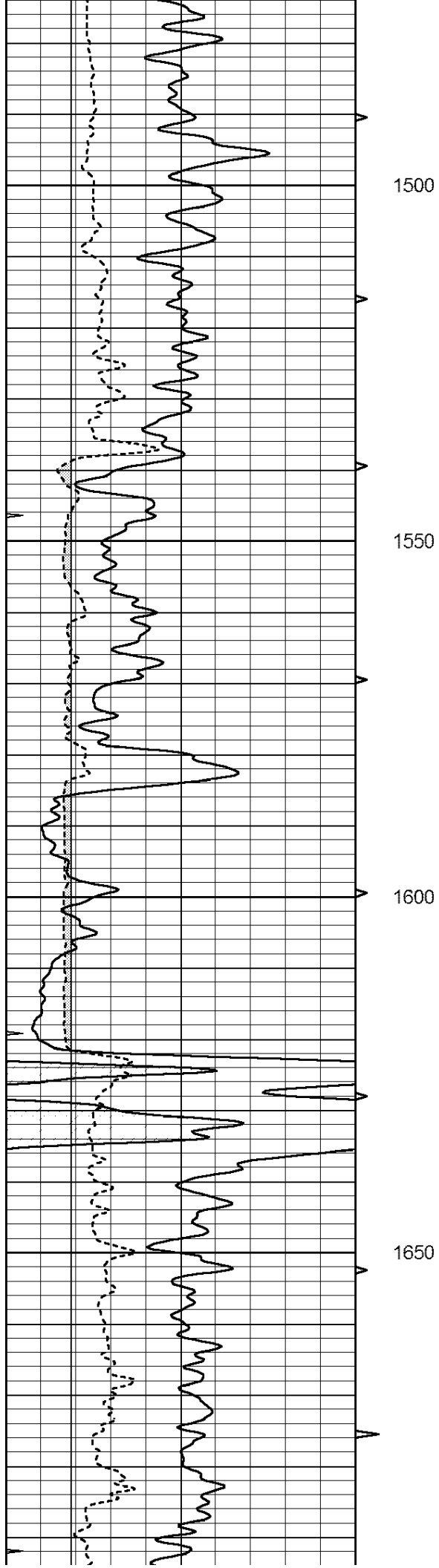
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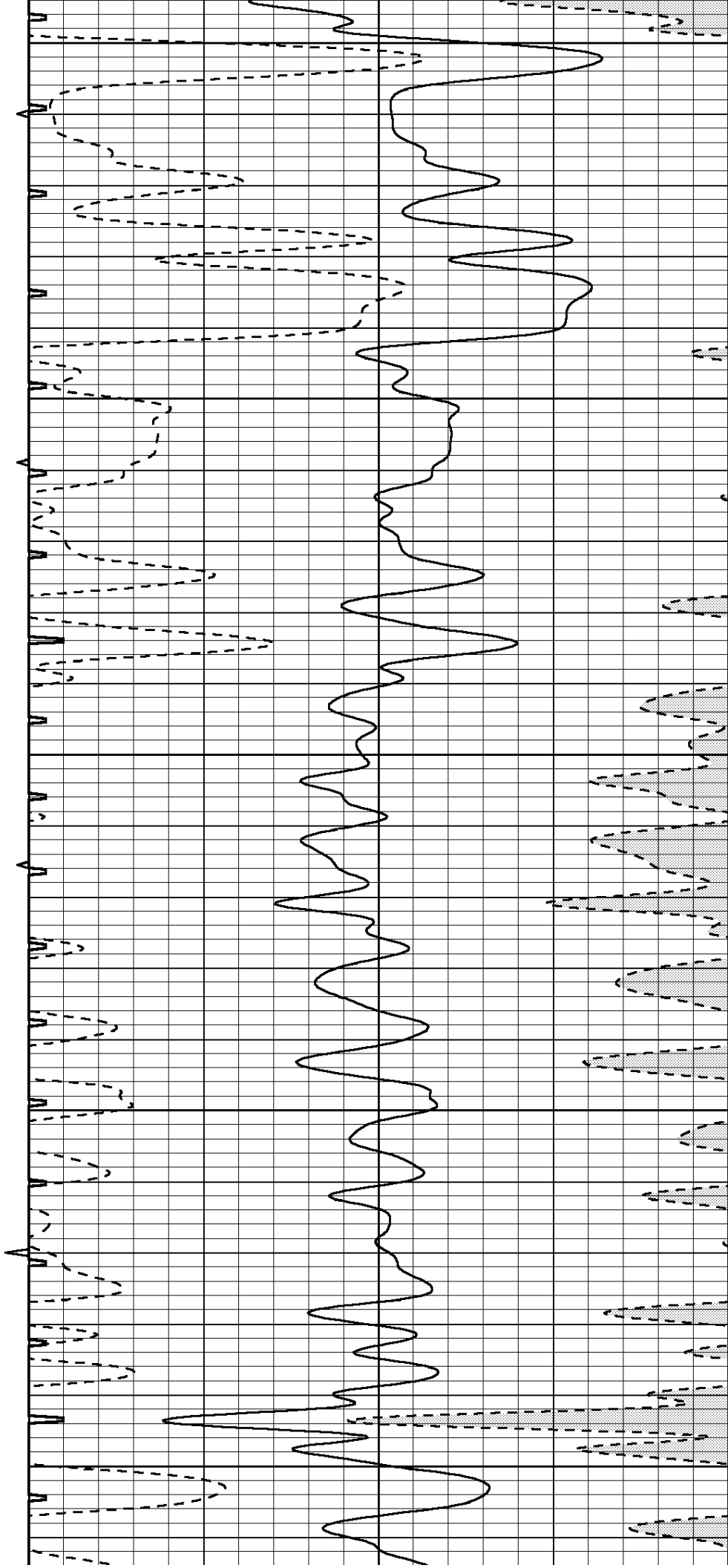
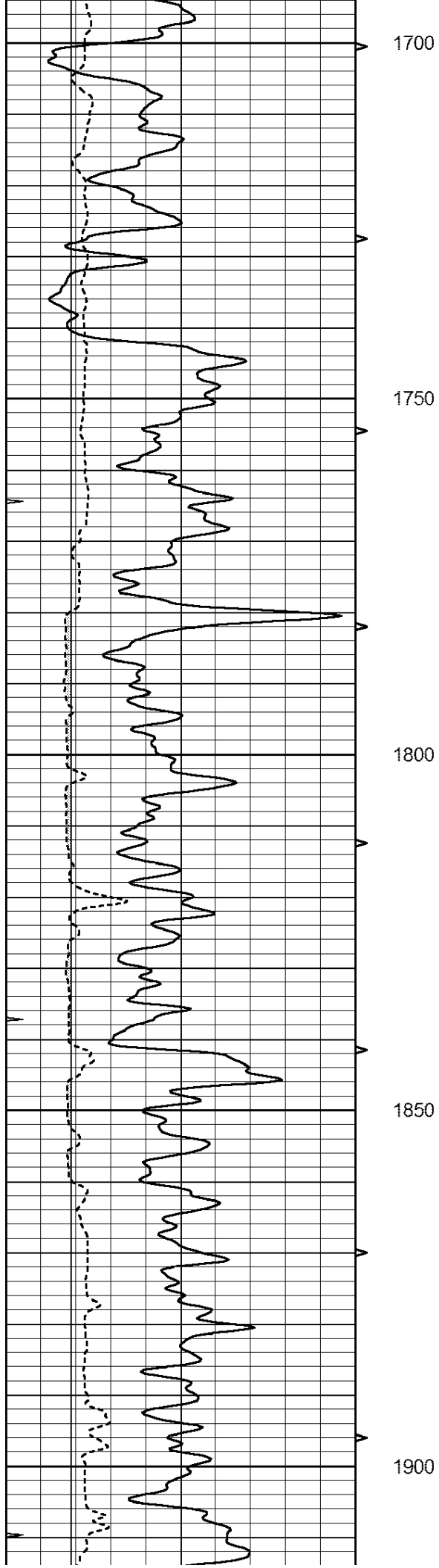
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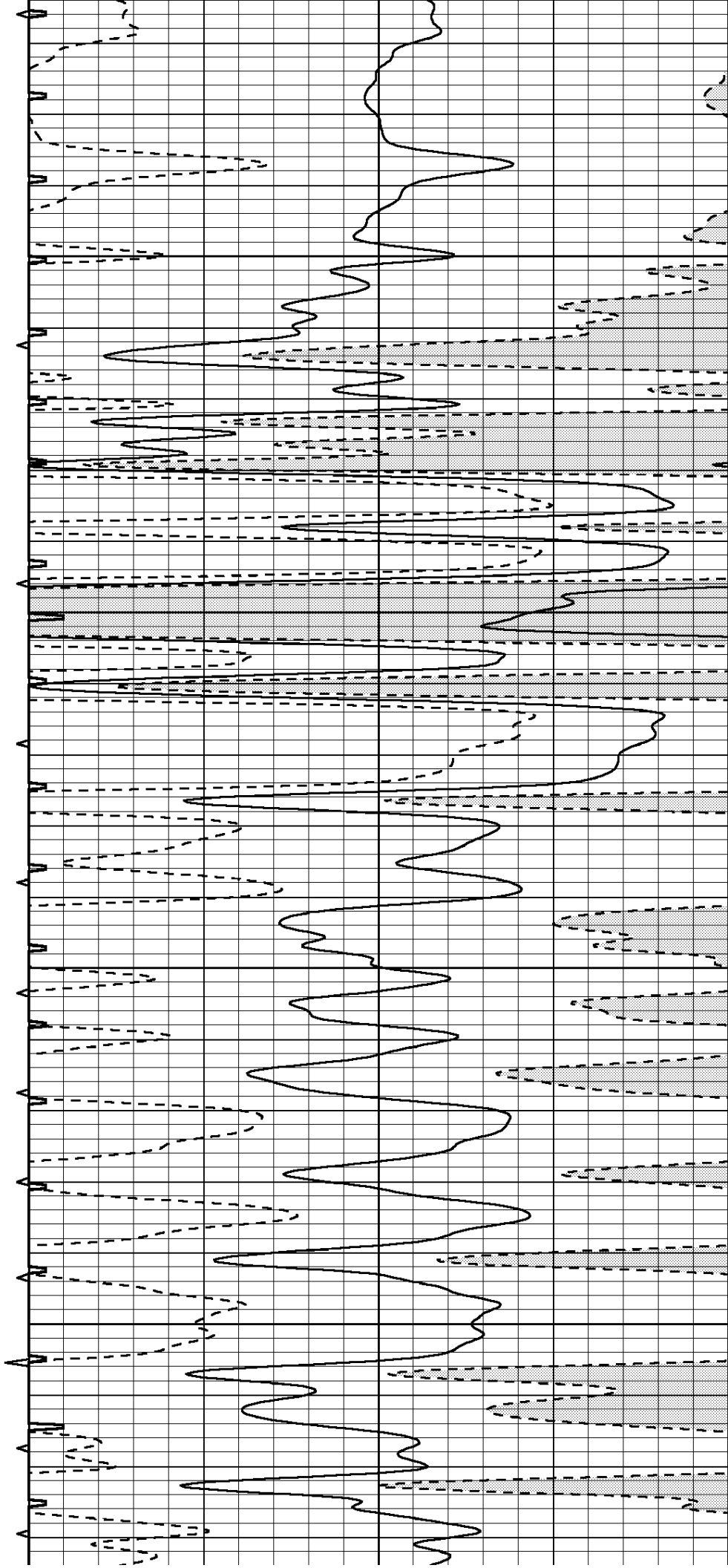
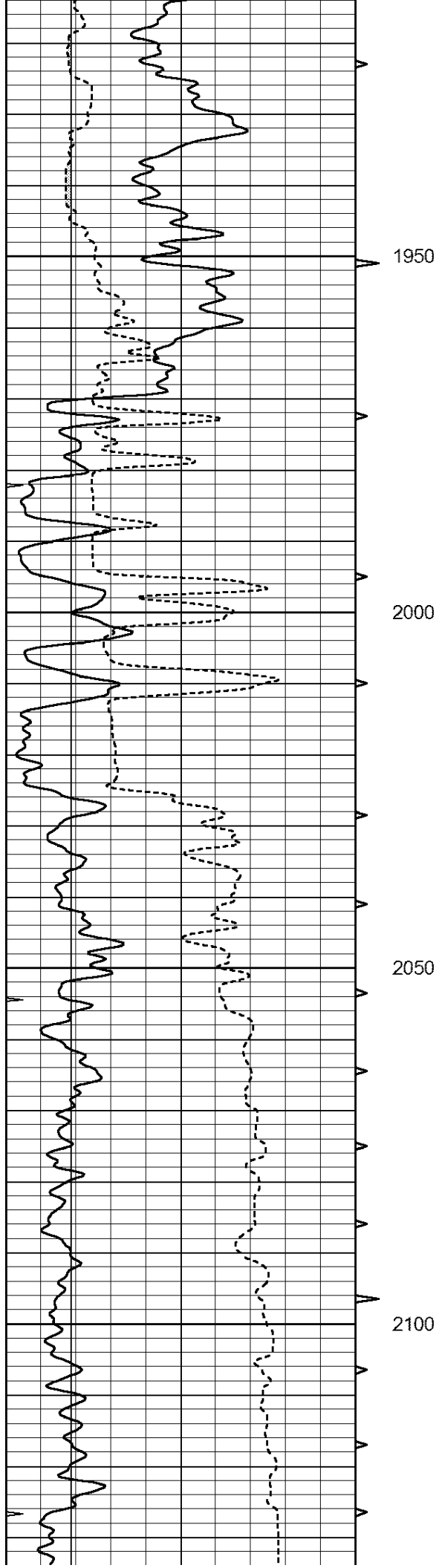
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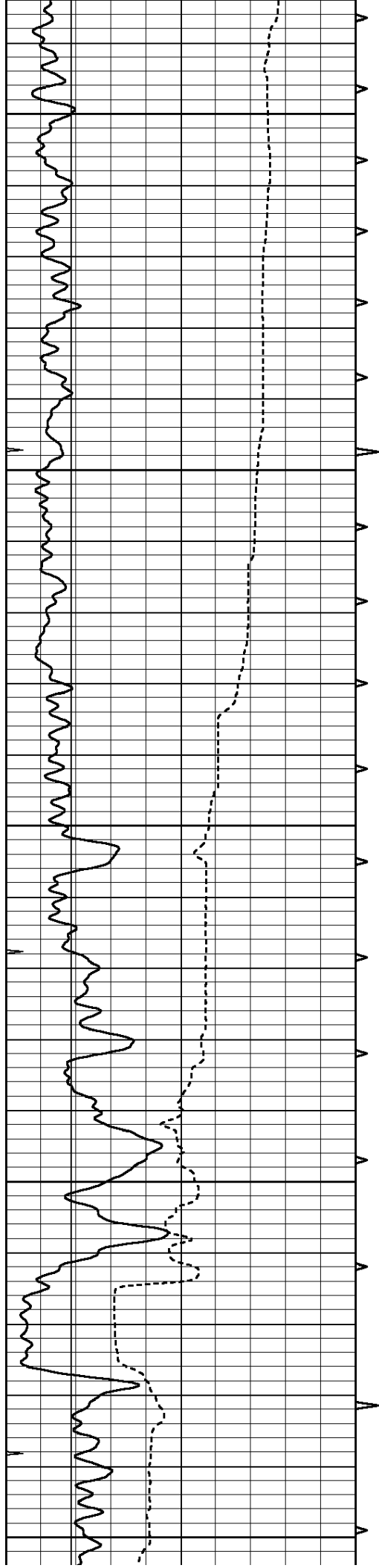
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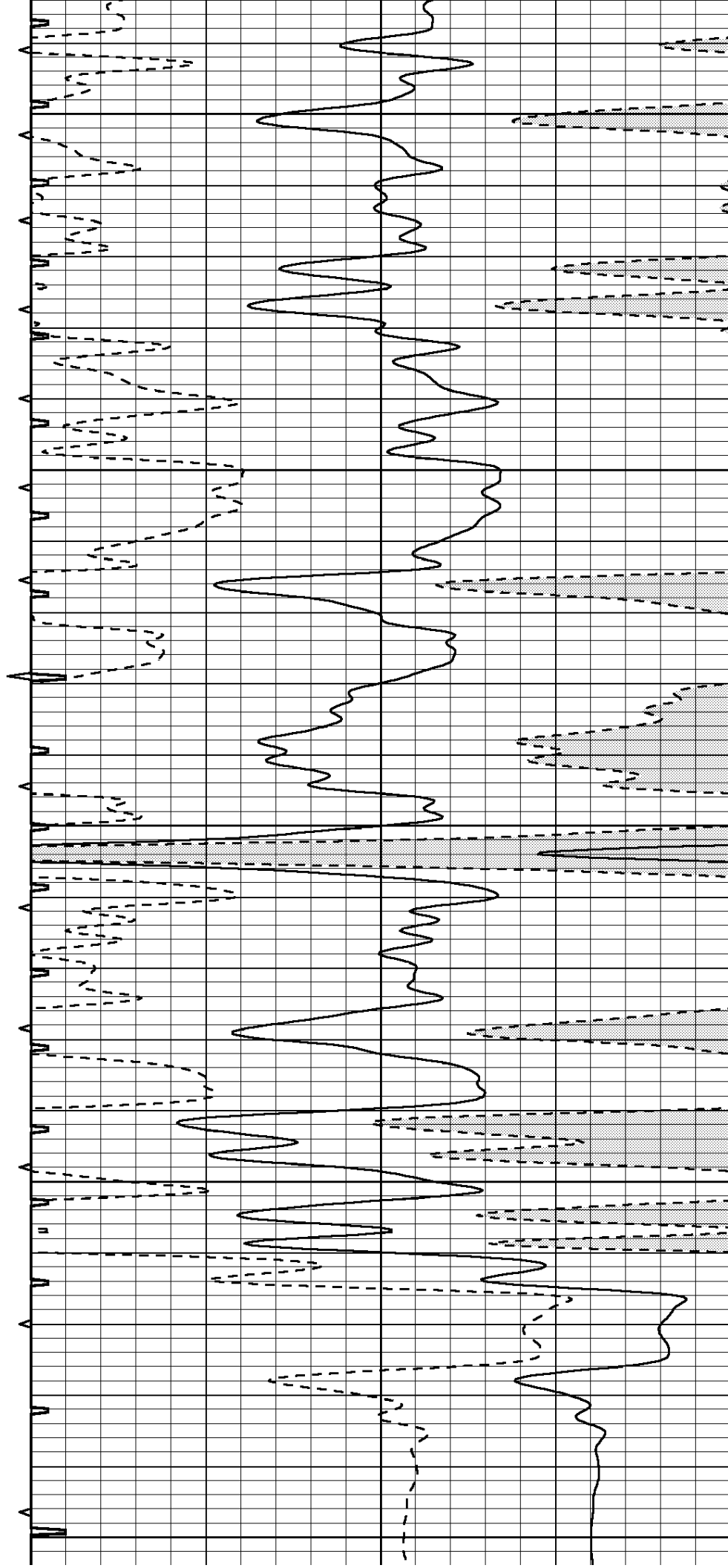
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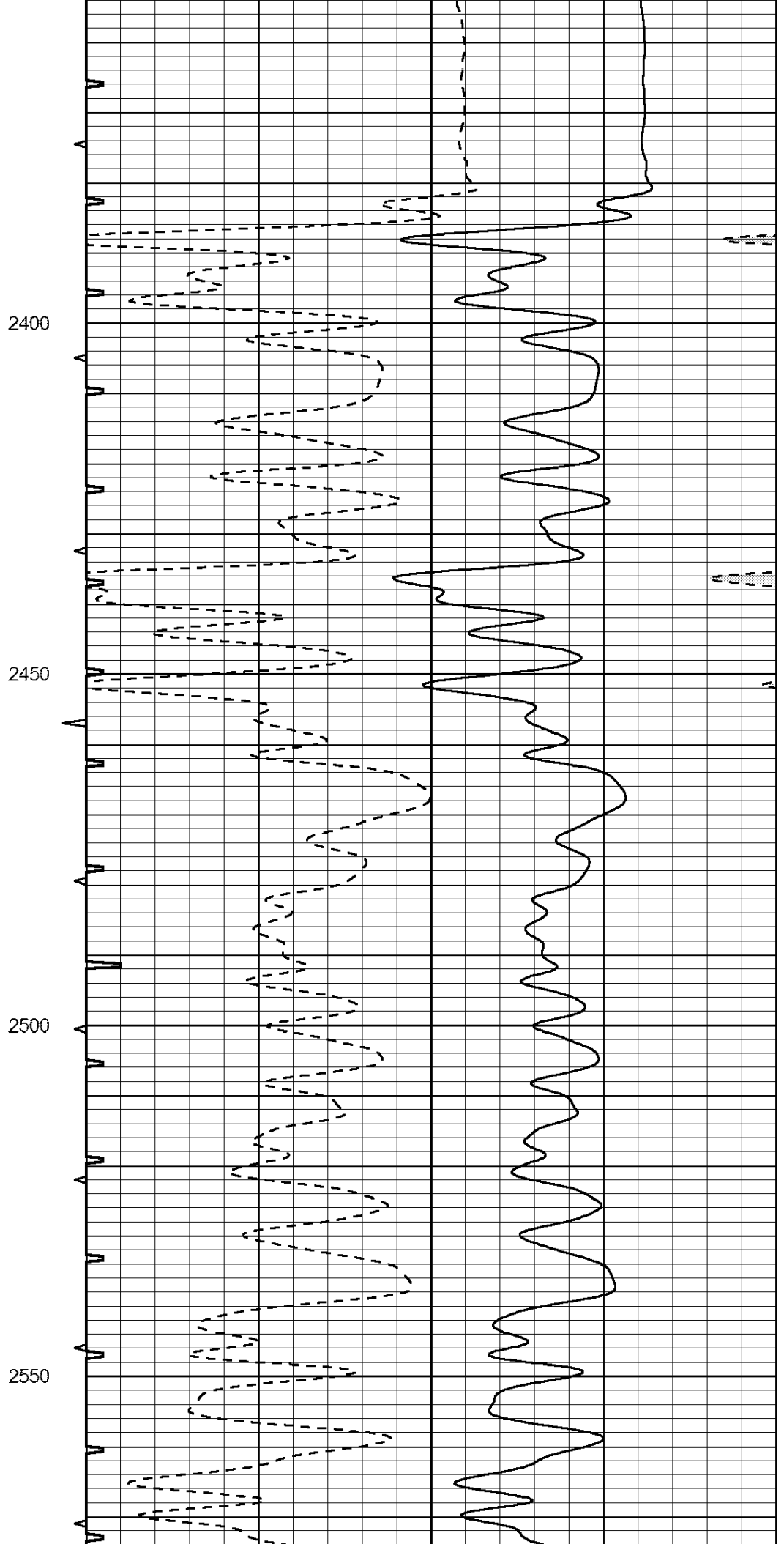
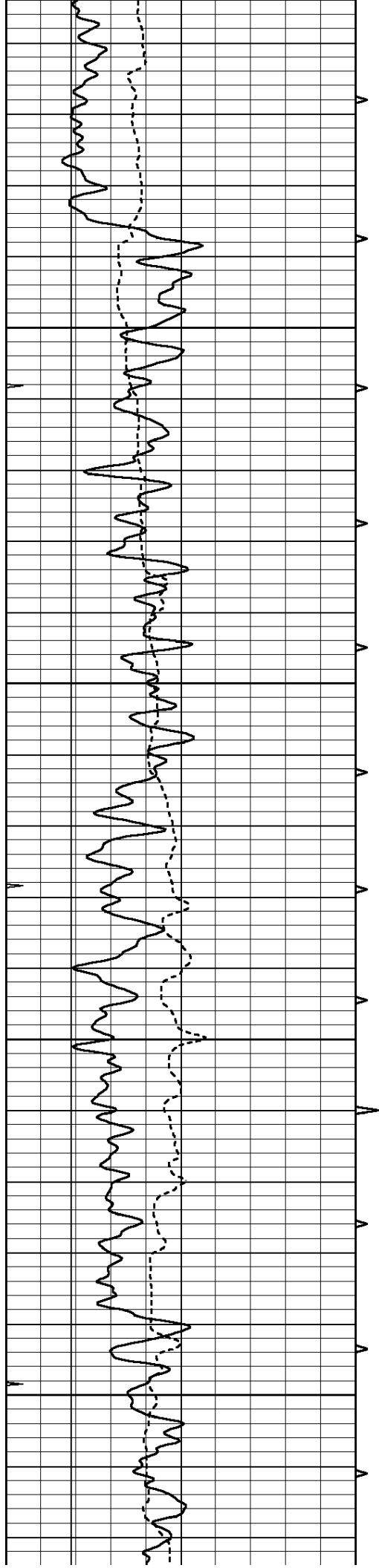
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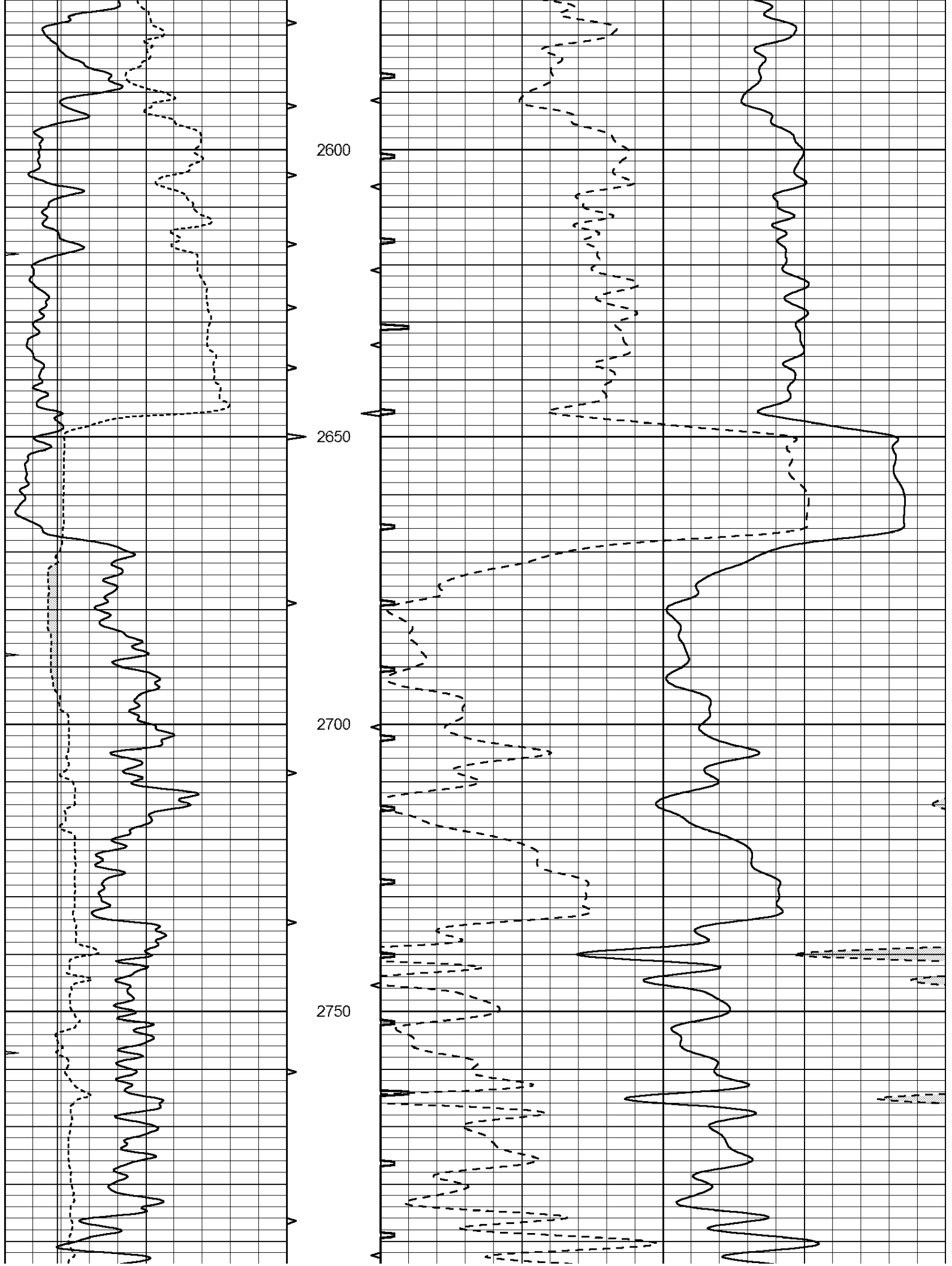
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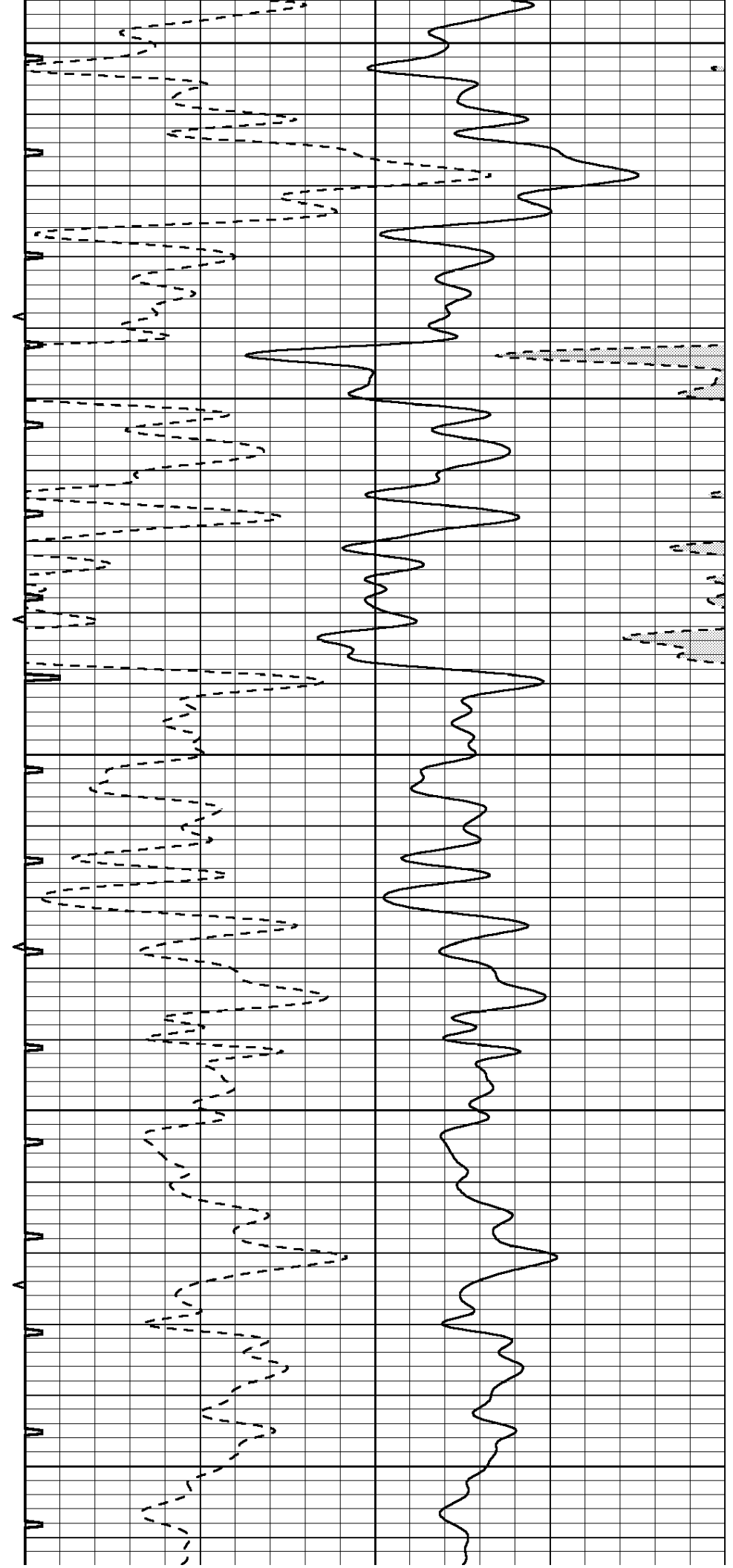
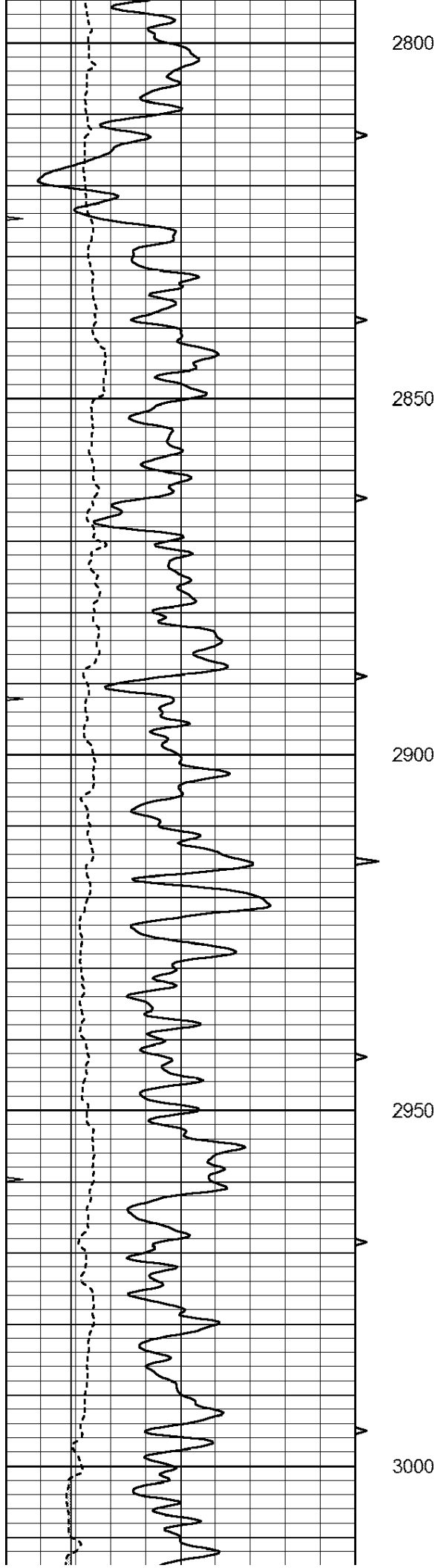
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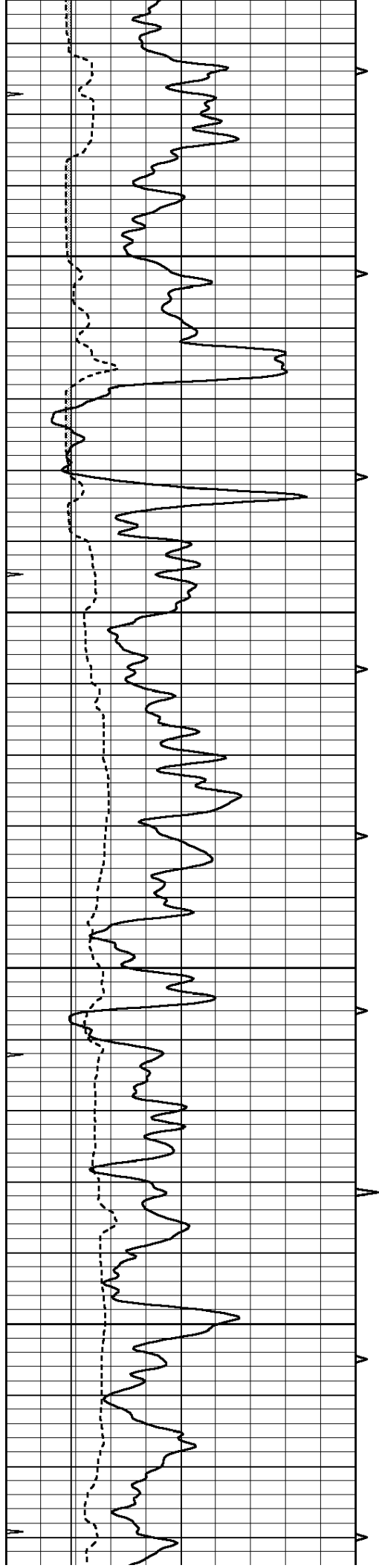
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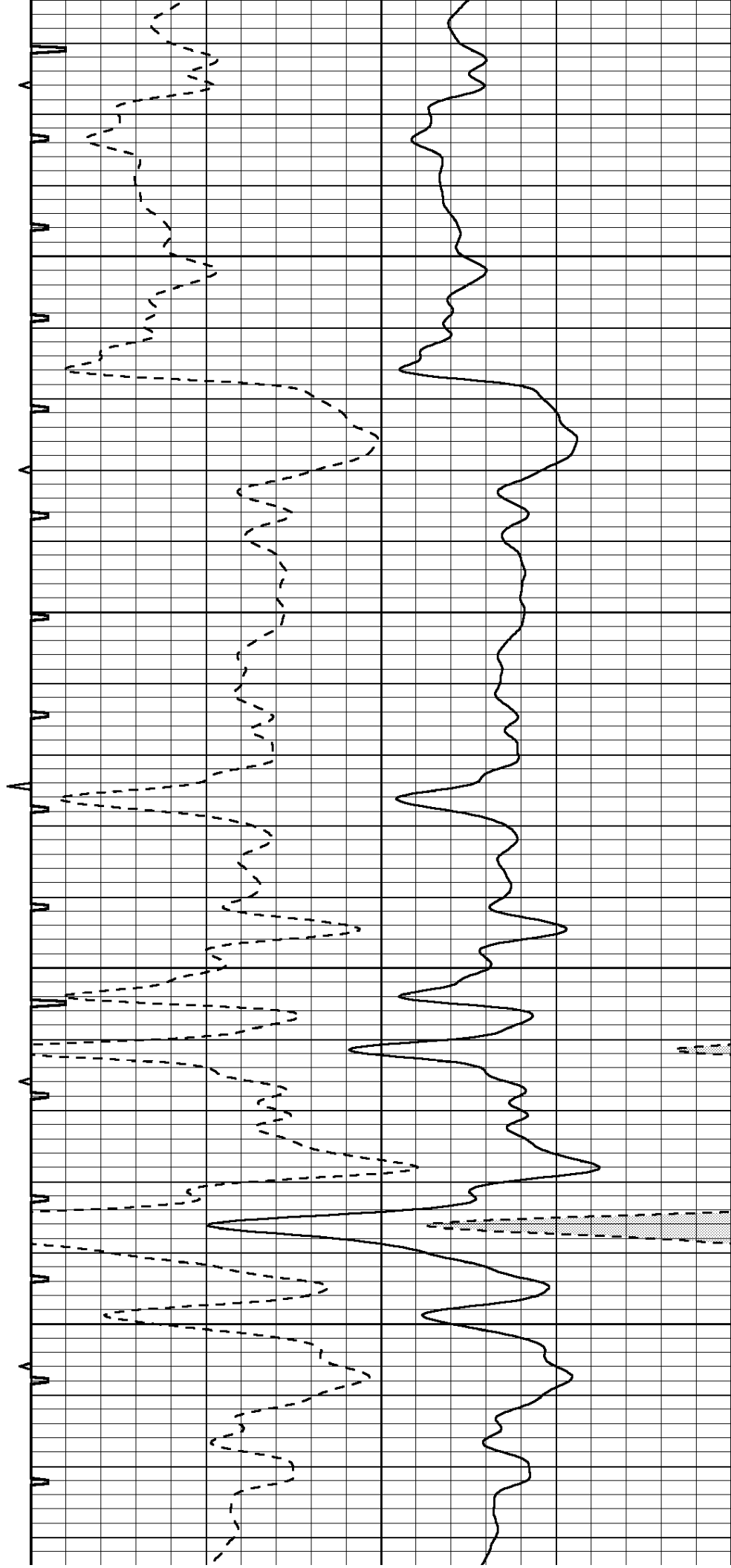


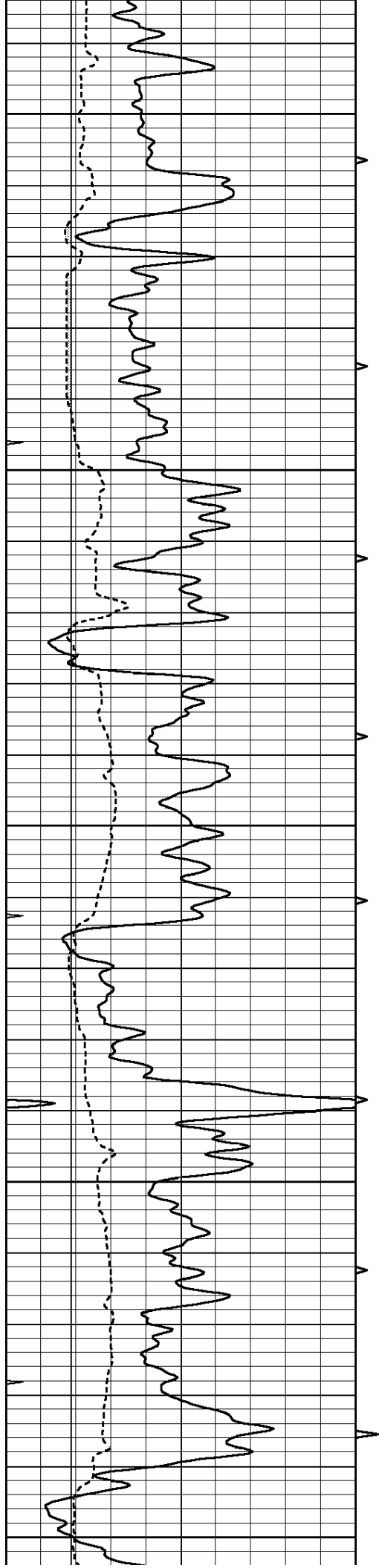
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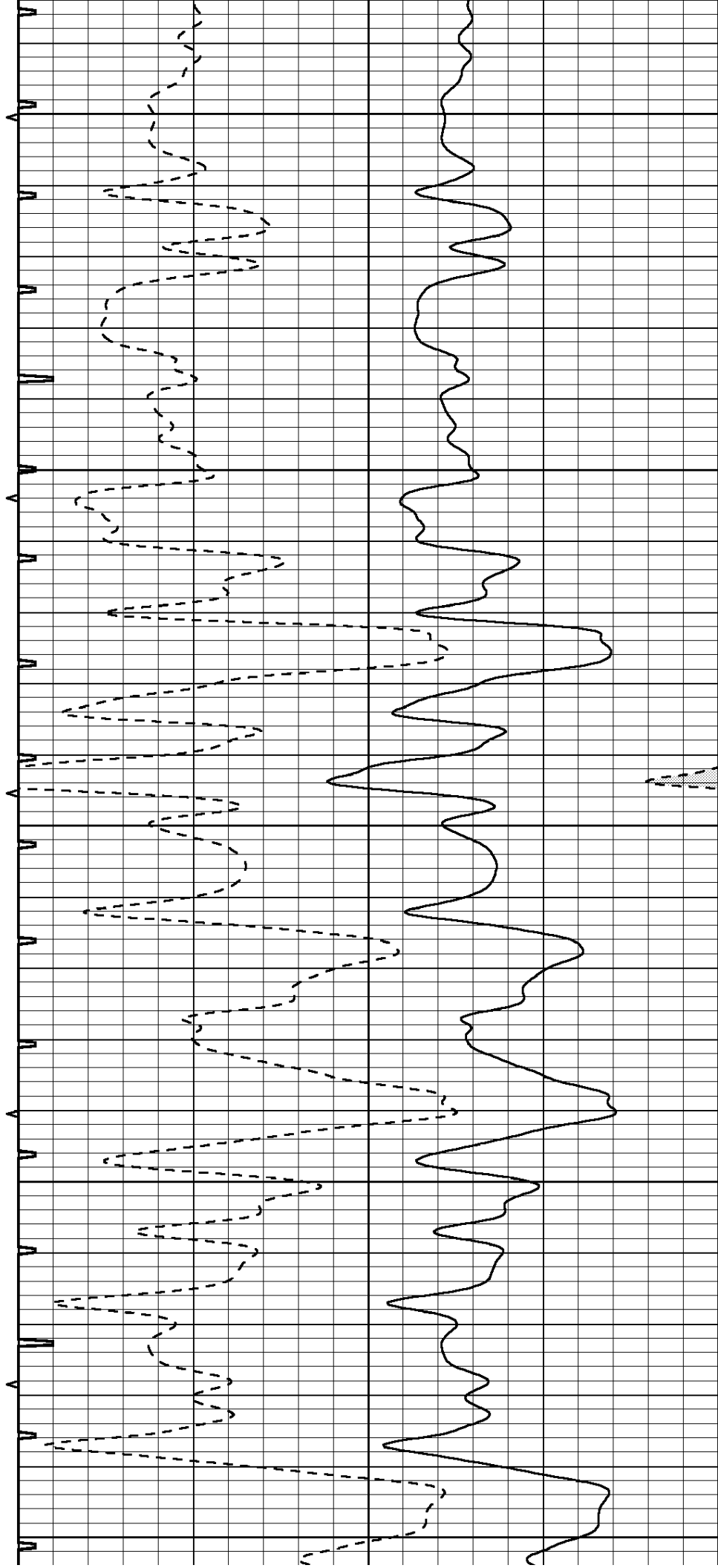
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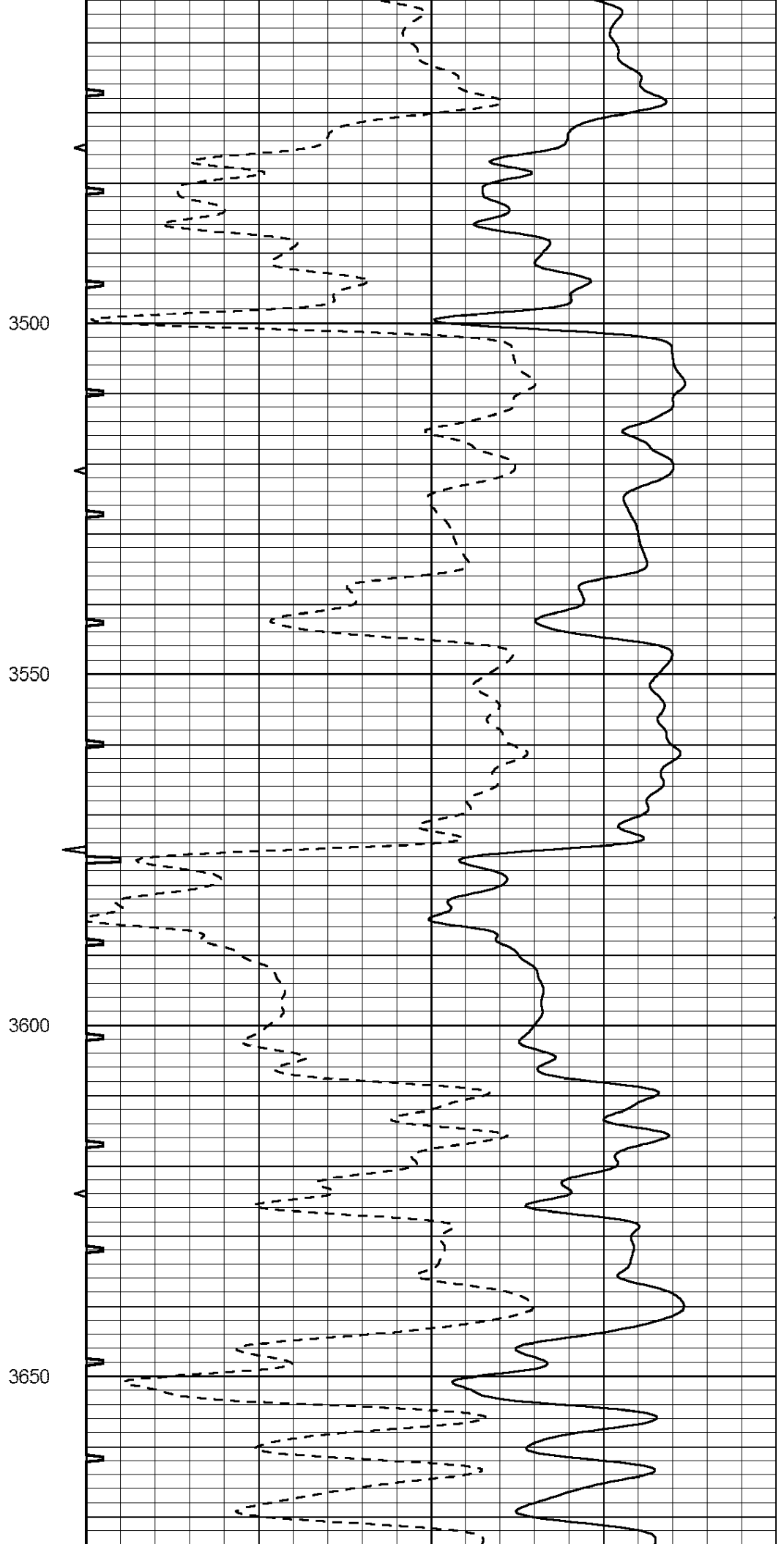
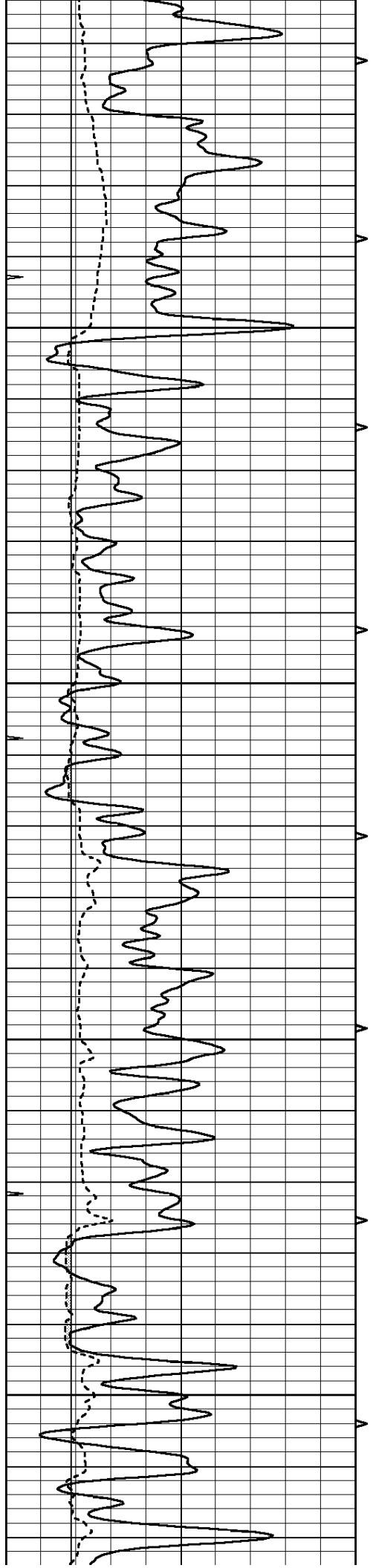
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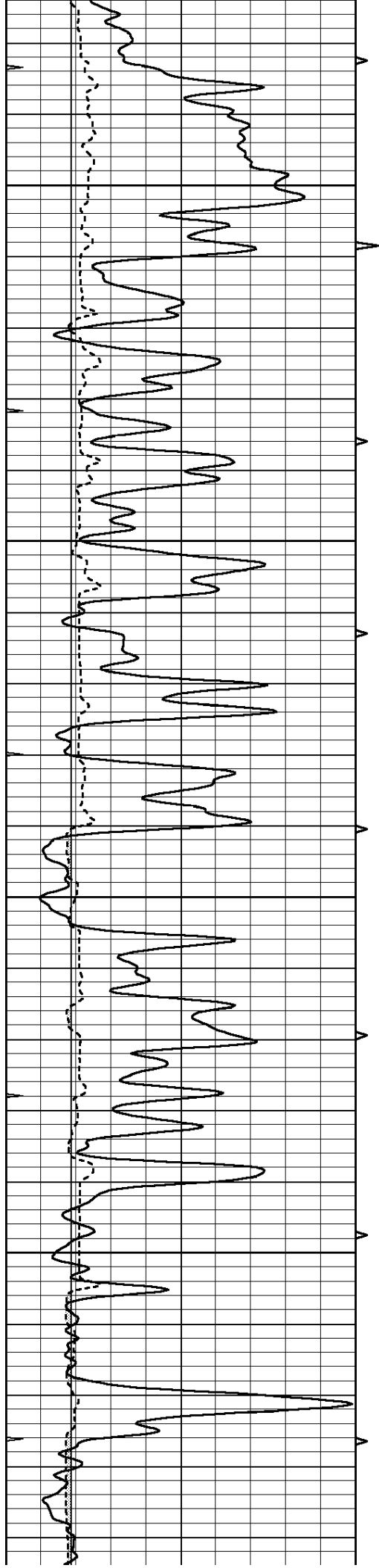
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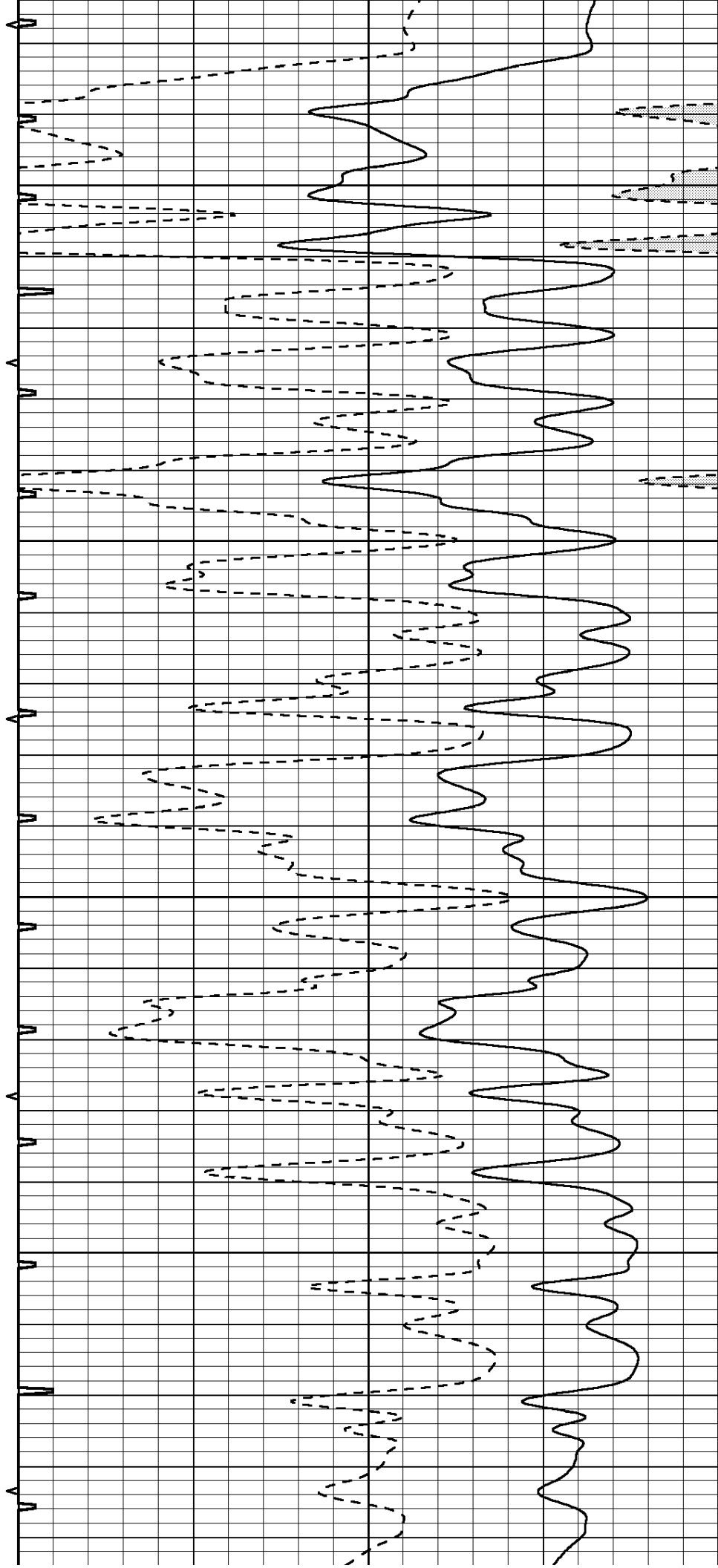


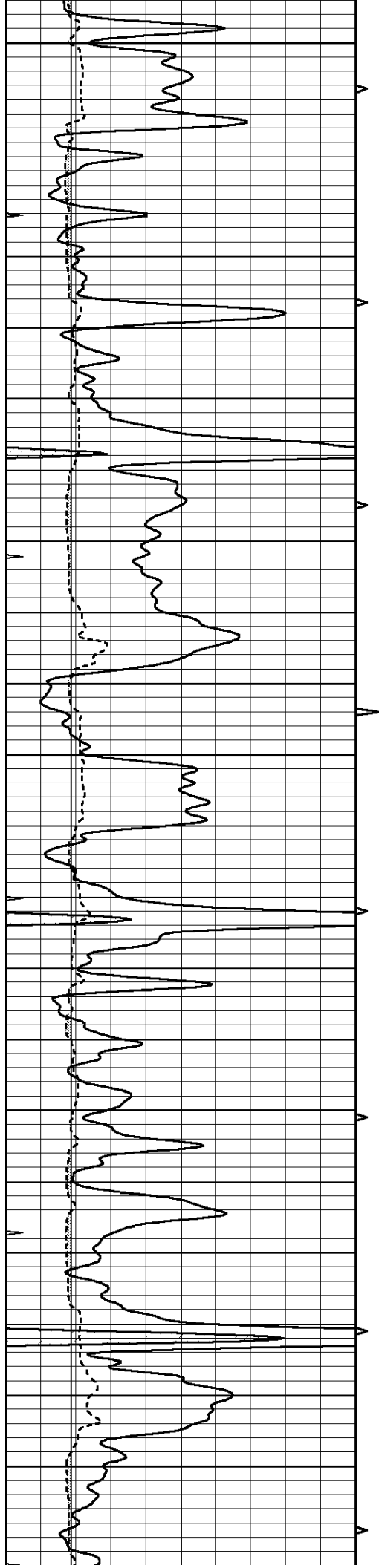
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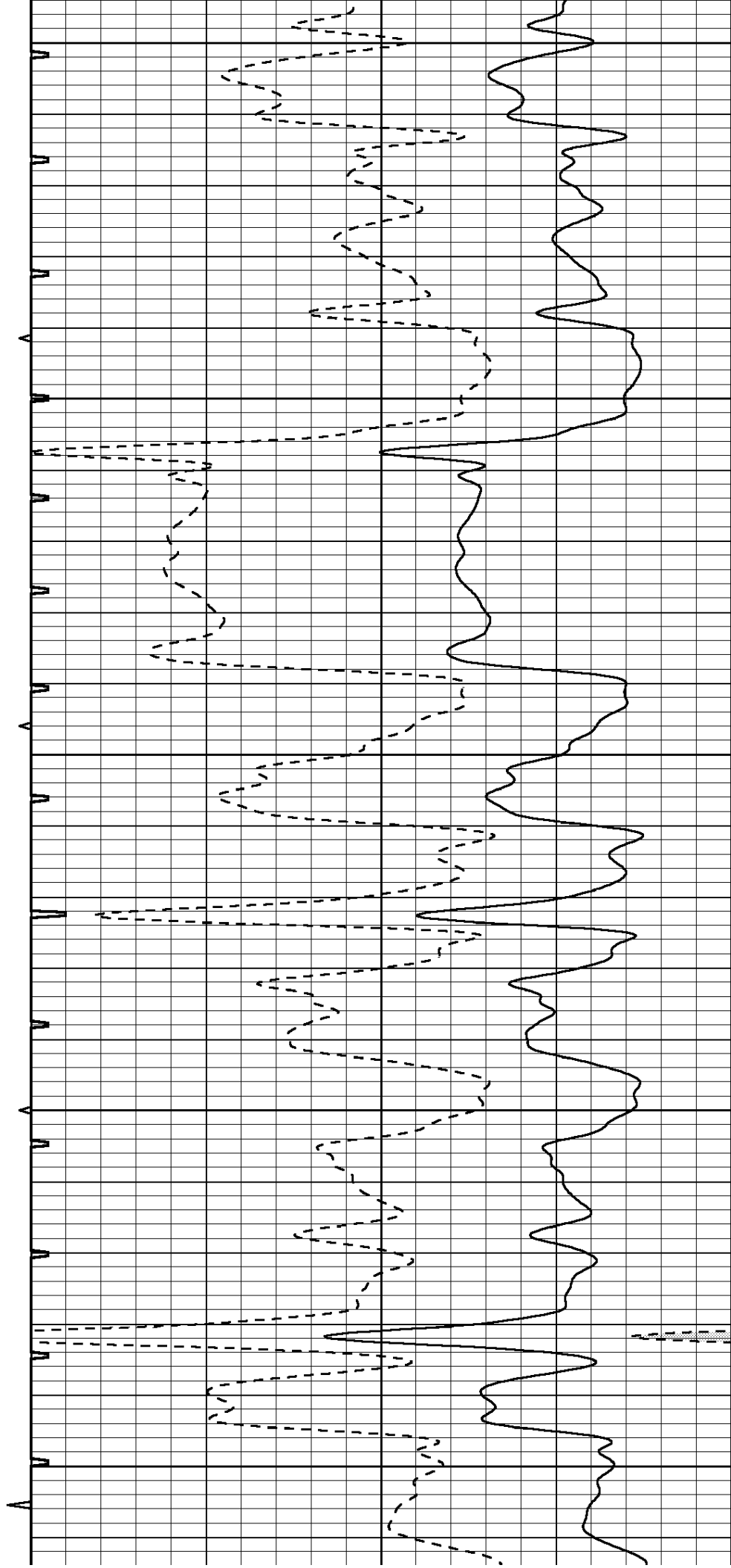
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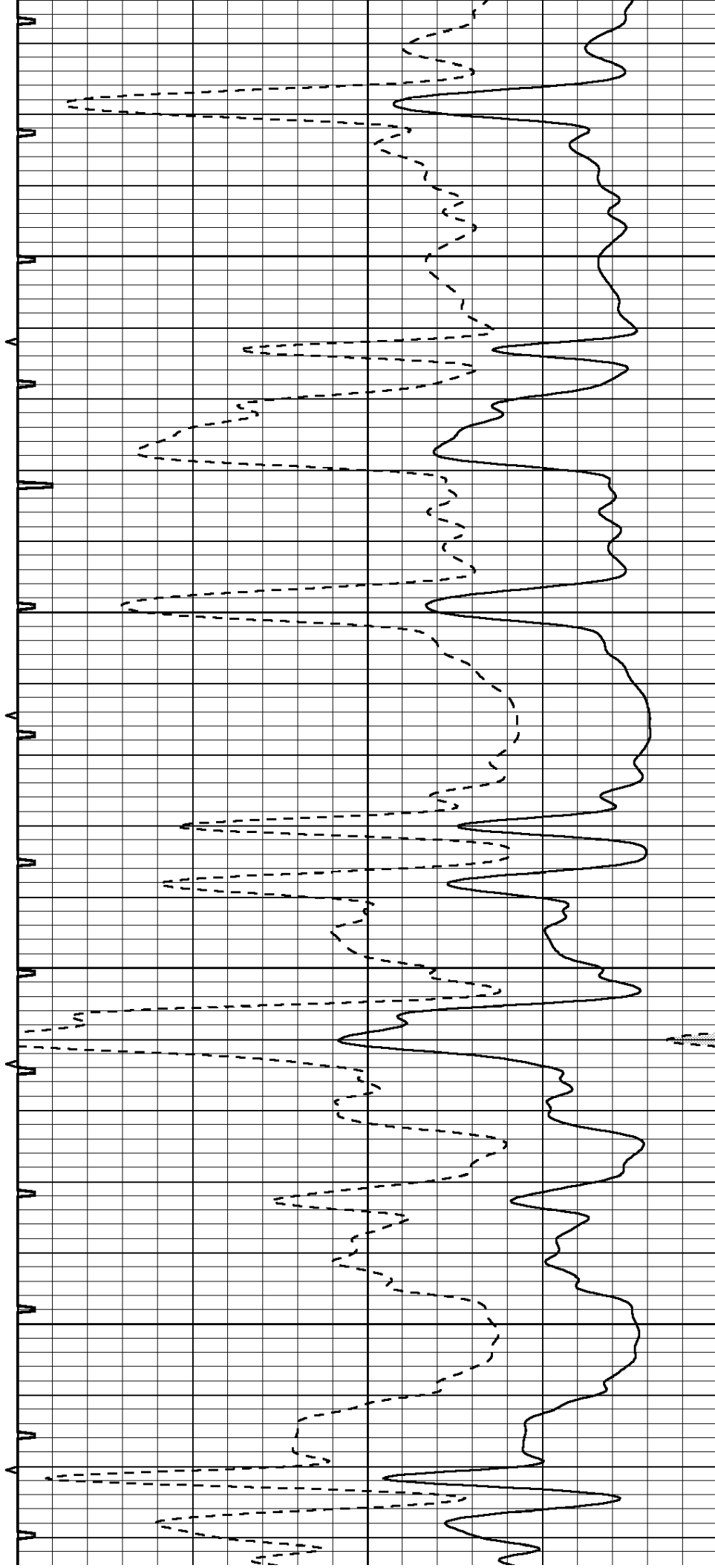
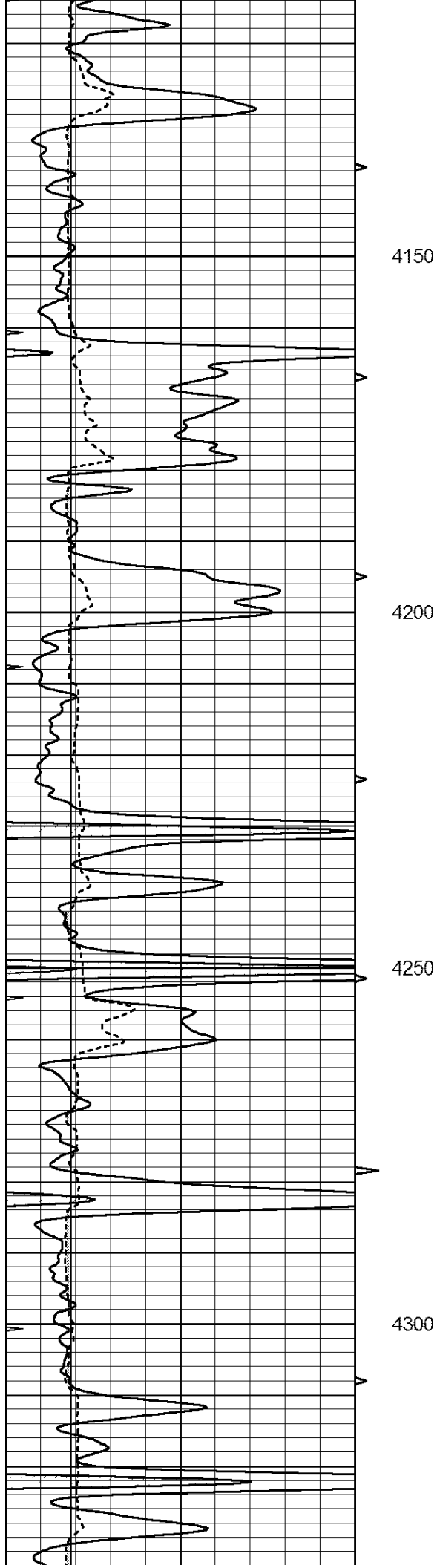
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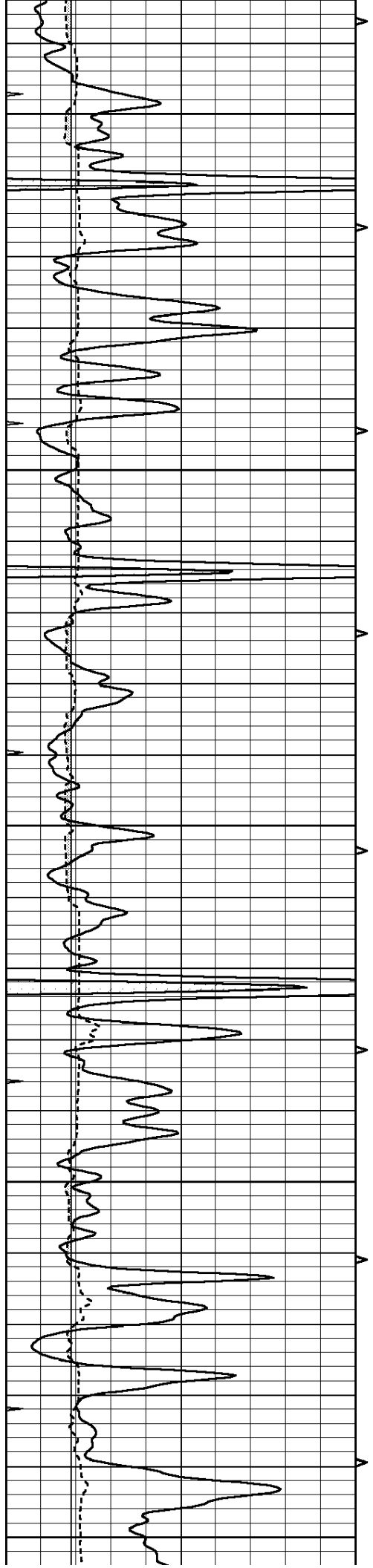
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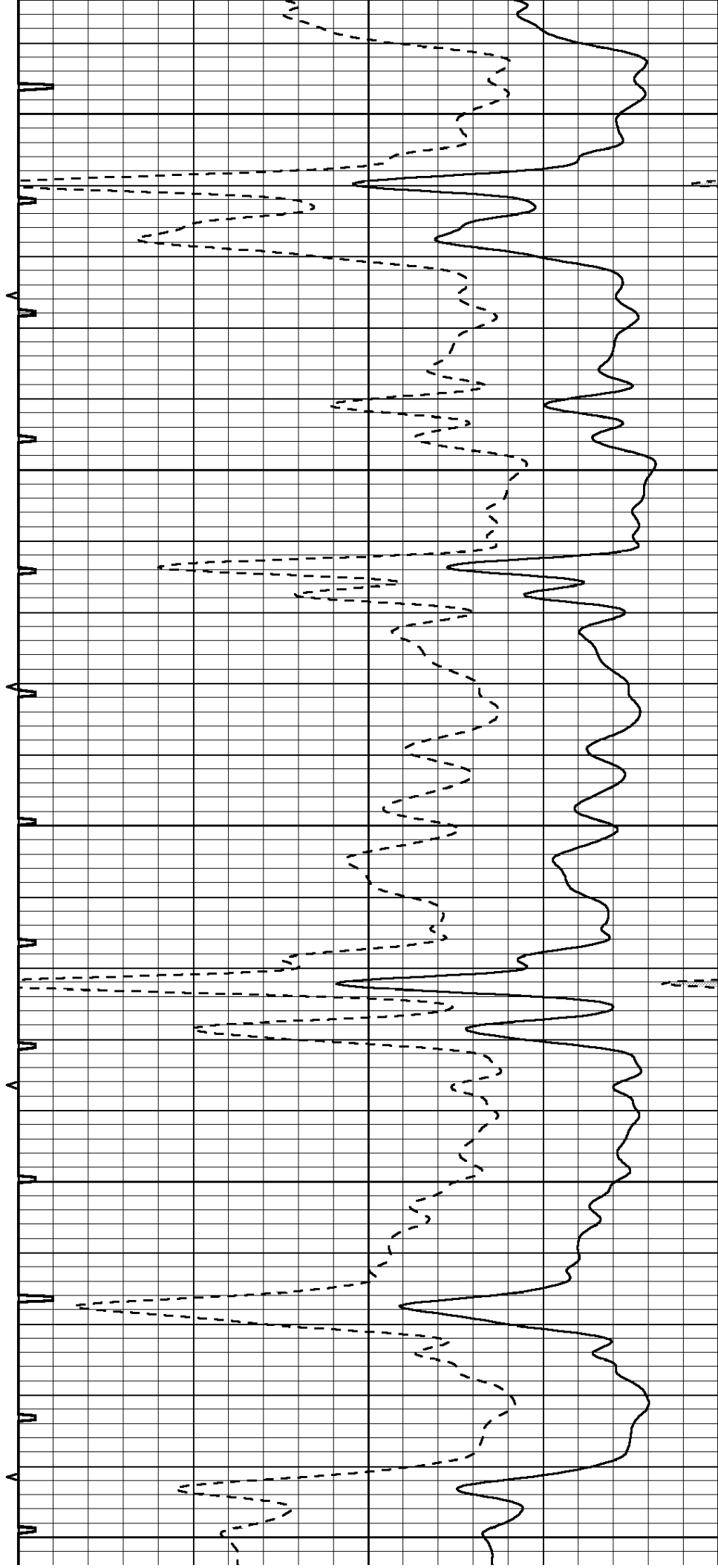
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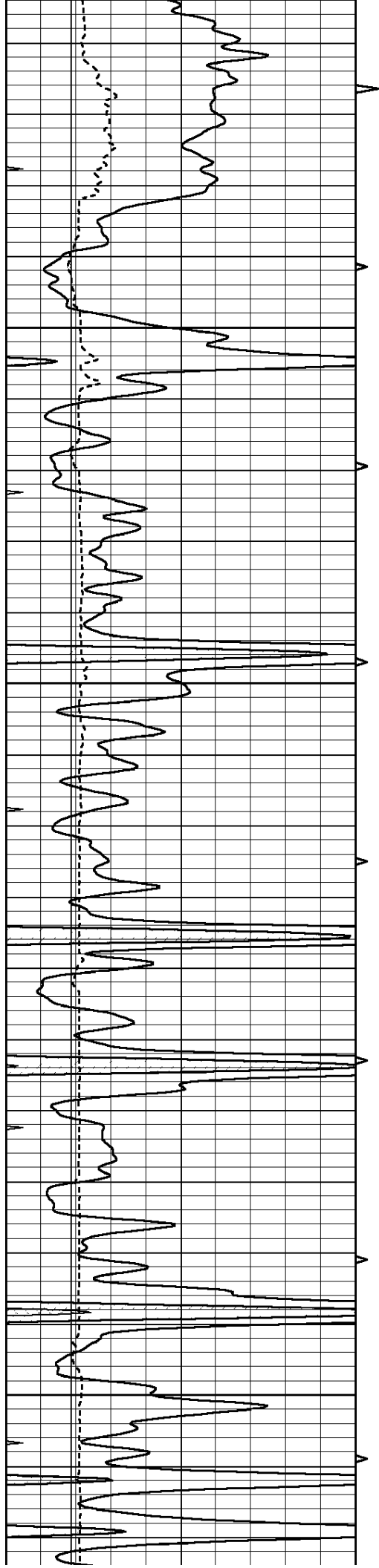
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4500

4550



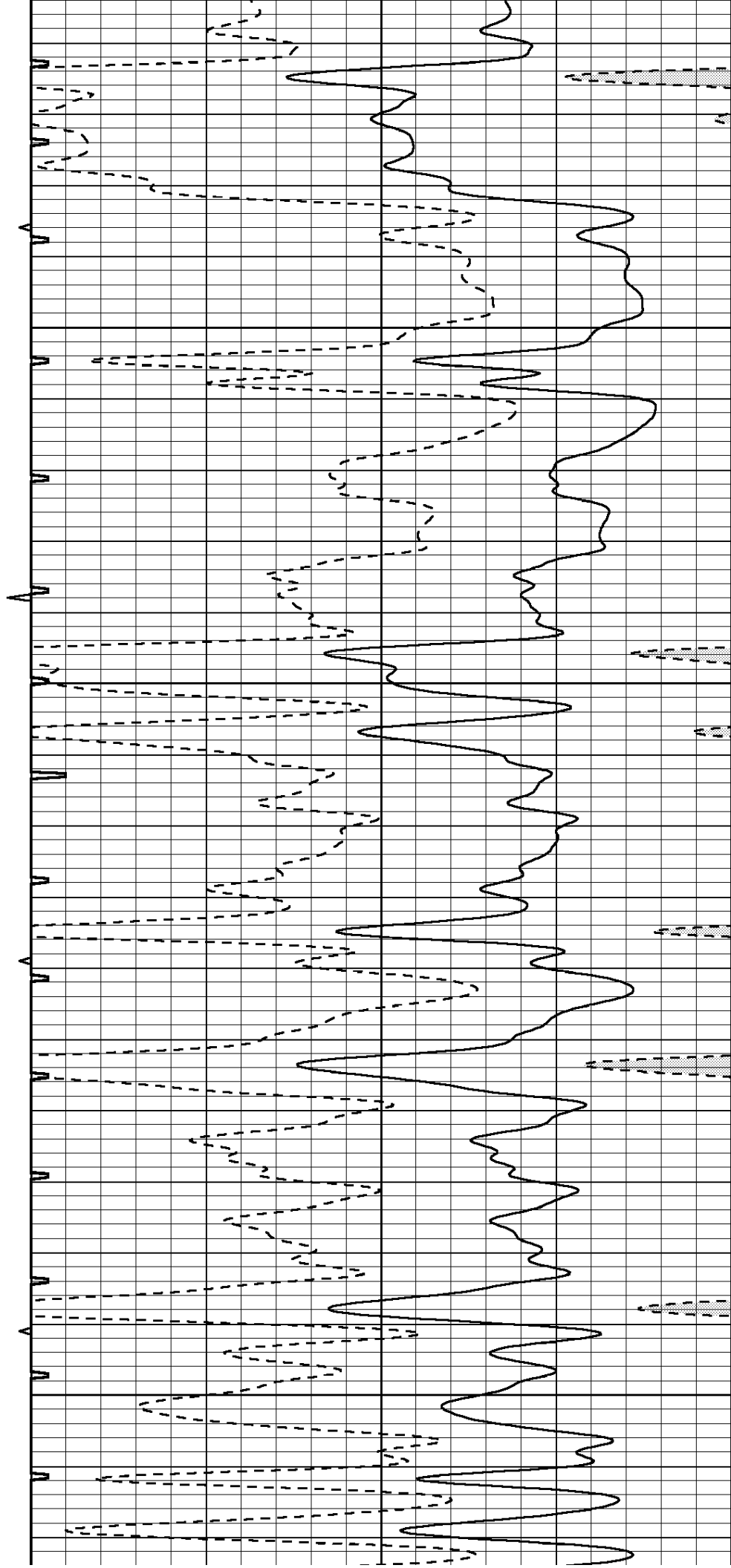


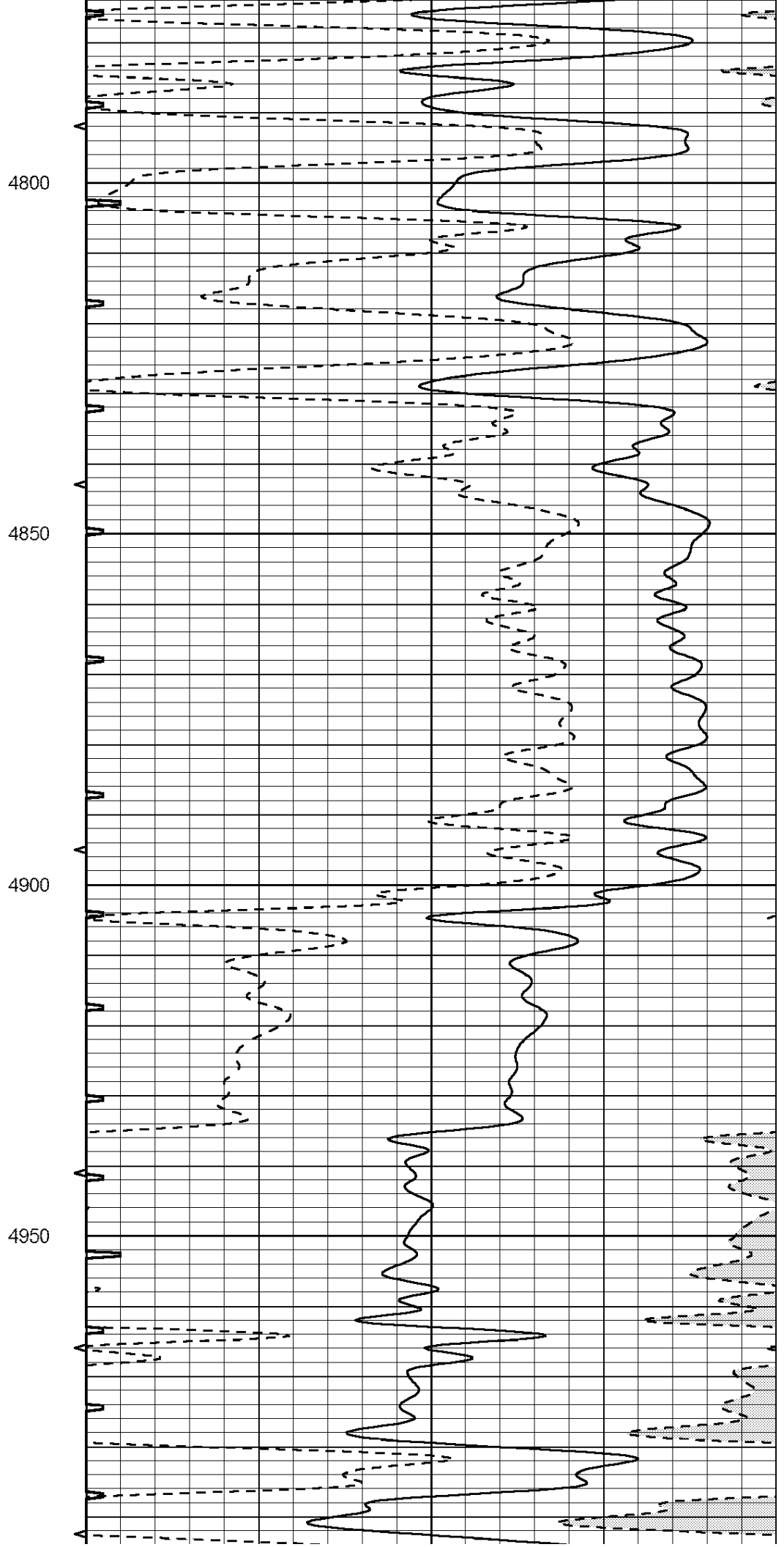
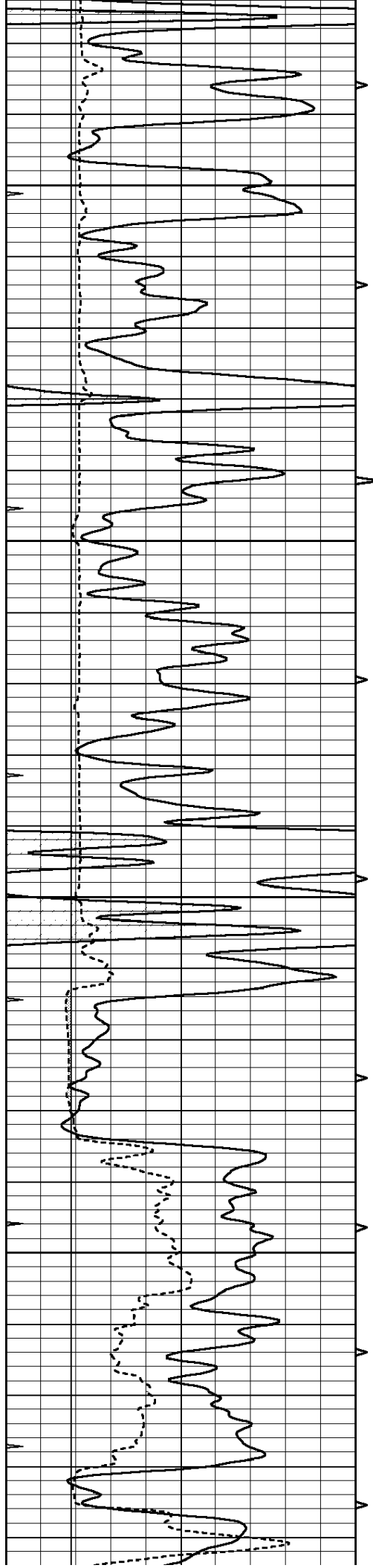
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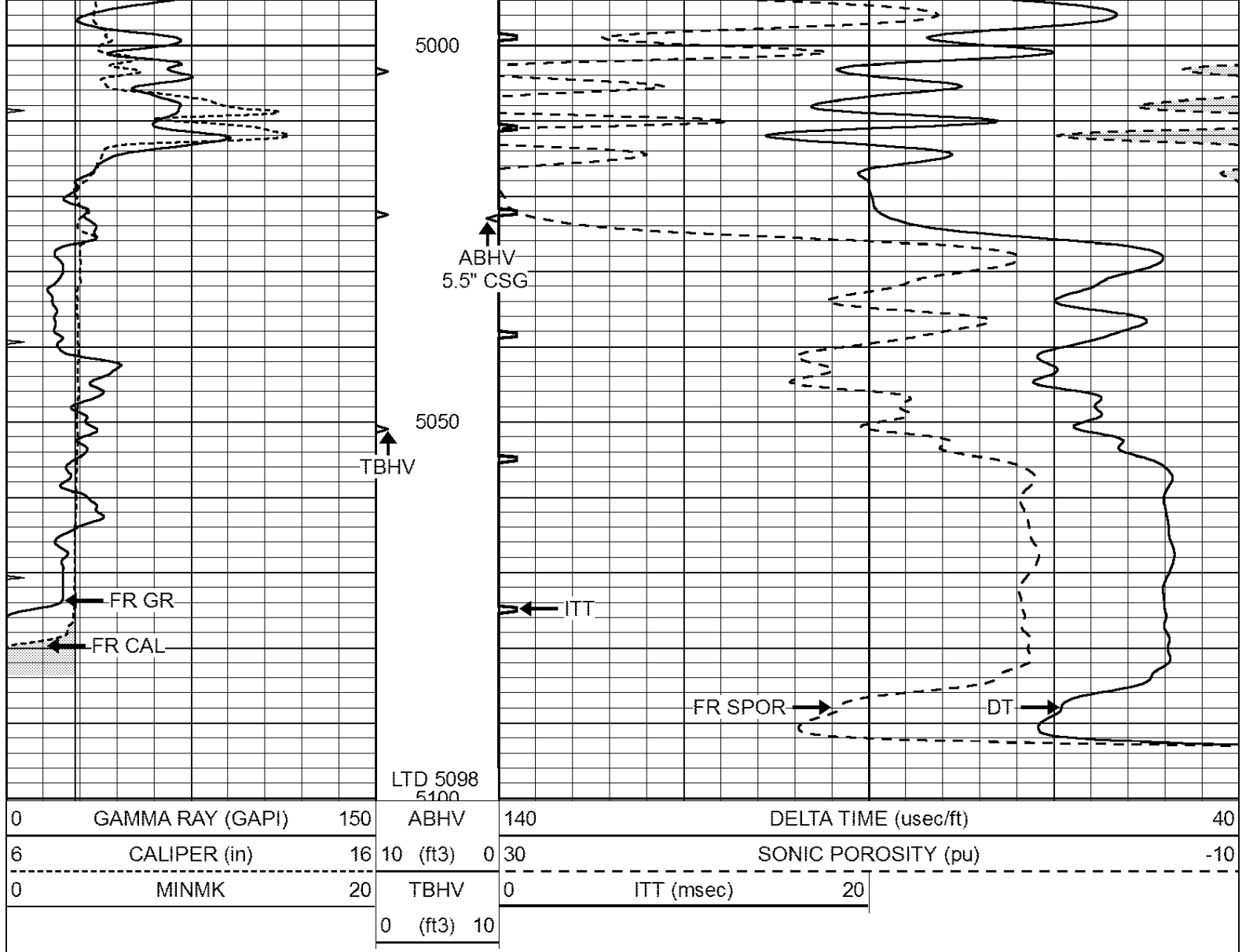
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4750









**NABORS**  
COMPLETION  
& PRODUCTION  
SERVICES CO.

# REPEAT SECTION

Database File: 26201pe.db  
 Dataset Pathname: pass6.2  
 Presentation Format: \_slt  
 Dataset Creation: Wed Oct 01 23:17:45 2014 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

|   |                  |     |            |     |                      |     |
|---|------------------|-----|------------|-----|----------------------|-----|
| 0 | GAMMA RAY (GAPI) | 150 | ABHV       | 140 | DELTA TIME (usec/ft) | 40  |
| 6 | CALIPER (in)     | 16  | 10 (ft3) 0 | 30  | SONIC POROSITY (pu)  | -10 |
| 0 | MINMK            | 20  | TBHV       | 0   | ITT (msec)           | 20  |
|   |                  |     | 0 (ft3) 10 |     |                      |     |

