



## MICRO LOG

|                              |                             |                     |            |
|------------------------------|-----------------------------|---------------------|------------|
| Company                      | MULL DRILLING COMPANY, INC. |                     |            |
| Well                         | PETERSON TRUST #6-31        |                     |            |
| Field                        | RAINBOW RIDGE NORTHWEST     |                     |            |
| County                       | LYON                        |                     |            |
| State                        | KANSAS                      |                     |            |
| Location:                    | API # : 15-111-20565-0000   |                     |            |
| Permanent Datum              | GROUND LEVEL                | Elevation           | 1294       |
| Log Measured From            | KELLY BUSHING 12' A.G.L.    | Other Services      | CDL/CNL/PE |
| Drilling Measured From       | KELLY BUSHING               | DIL/SONIC           |            |
|                              | SEC 31 TWP 16S RGE 10E      | Elevation           |            |
|                              |                             | K.B. 1306           |            |
|                              |                             | D.F. 1304           |            |
|                              |                             | G.L. 1294           |            |
| Date                         | 8/1/23                      |                     |            |
| Run Number                   | TWO                         |                     |            |
| Depth Driller                | 3200                        |                     |            |
| Depth Logger                 | 3200                        |                     |            |
| Bottom Logged Interval       | 3184                        |                     |            |
| Top Log Interval             | 200                         |                     |            |
| Casing Driller               | 13 3/8"@202'                |                     |            |
| Casing Logger                | 216                         |                     |            |
| Bit Size                     | 7 7/8"                      |                     |            |
| Type Fluid in Hole           | CHEMICAL MUD                | CHLORIDES 1,200 PPM |            |
| Density / Viscosity          | 9.3/45                      |                     |            |
| pH / Fluid Loss              | 9.5/8.8                     |                     |            |
| Source of Sample             | FLOWLINE                    |                     |            |
| Rm @ Meas. Temp              | 1.60@100F                   |                     |            |
| Rmf @ Meas. Temp             | 1.20@100F                   |                     |            |
| Rmc @ Meas. Temp             | 1.92@100F                   |                     |            |
| Source of Rmf / Rmc          | MEASUREMENT                 |                     |            |
| Rm @ BHT                     | 1.47@109F                   |                     |            |
| Time Circulation Stopped     | 4 HOURS                     |                     |            |
| Time Logger on Bottom        | 300 P.M.                    |                     |            |
| Maximum Recorded Temperature | 109F                        |                     |            |
| Equipment Number             | 922339                      |                     |            |
| Location                     | HAYS, KANSAS                |                     |            |
| Recorded By                  | JEFF LUEBBERS               |                     |            |
| Witnessed By                 | ROGER MARTIN                |                     |            |

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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.

15-111-20565-0000

Comments

THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395  
DIRECTIONS

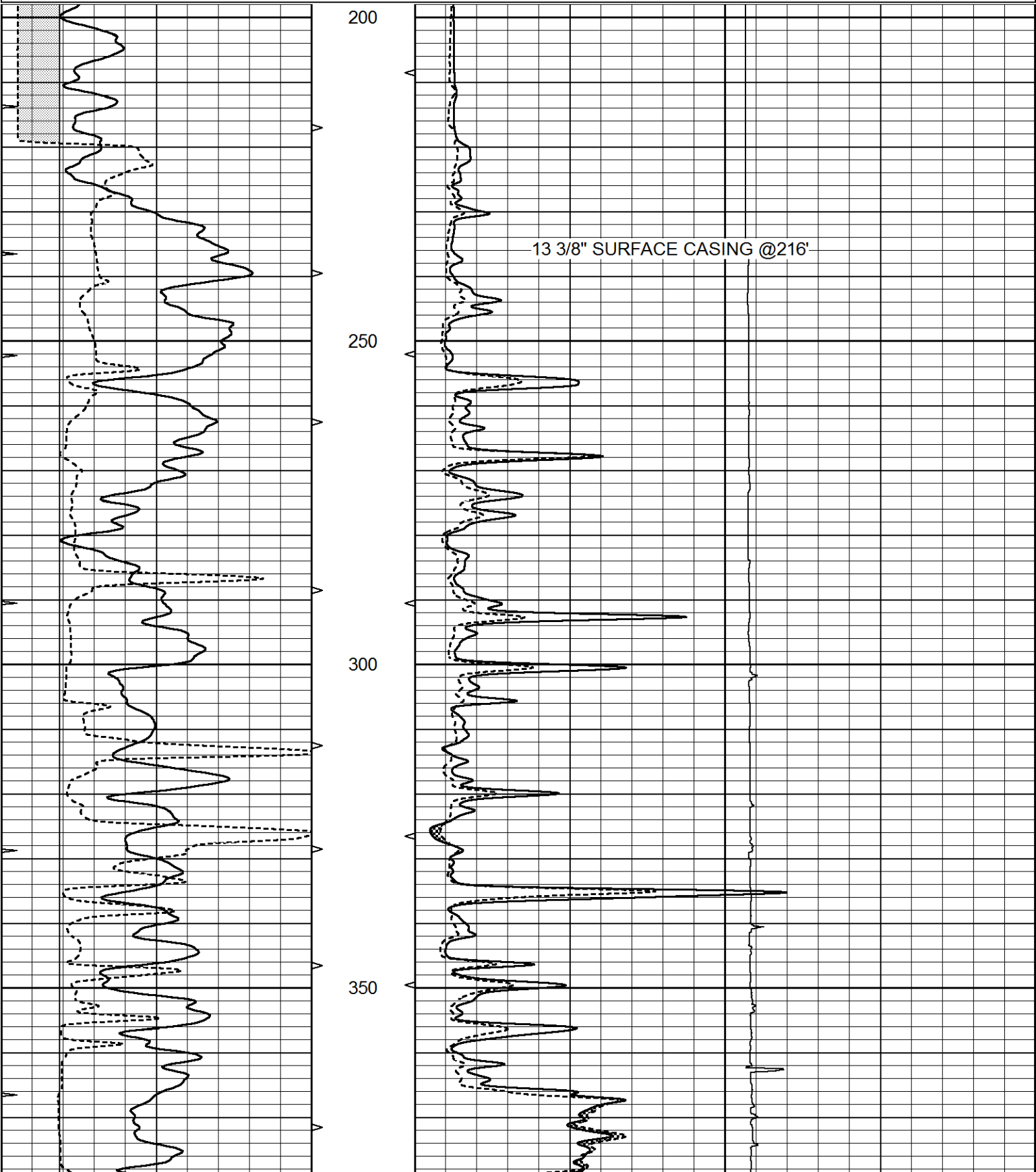
BUSHONG, KS., (RD. F & 3RD. ST.) 2.4 S. TO "RD. 310", 4 1/2W., N. INTO, THEN BACK WEST IN PAS

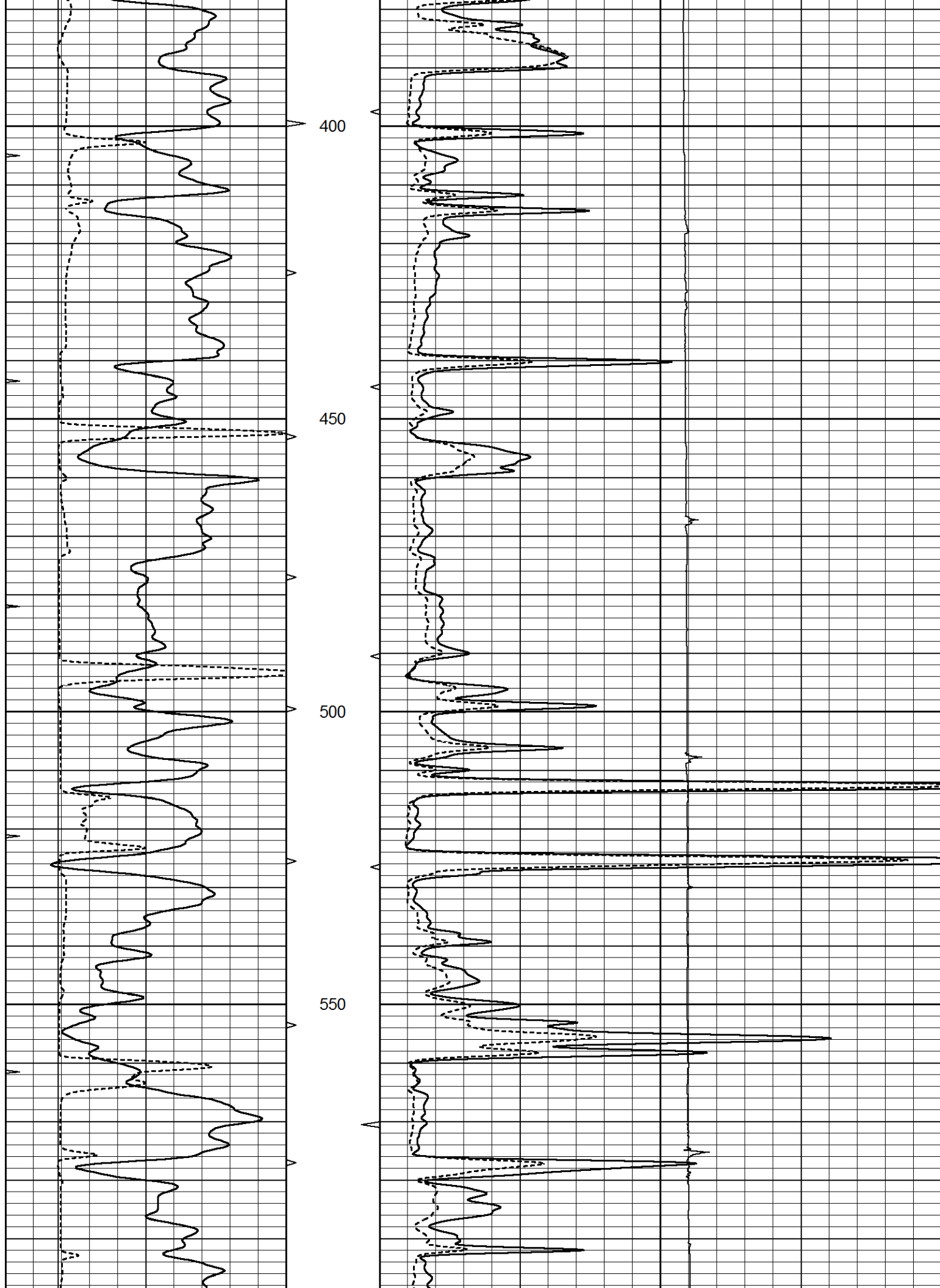


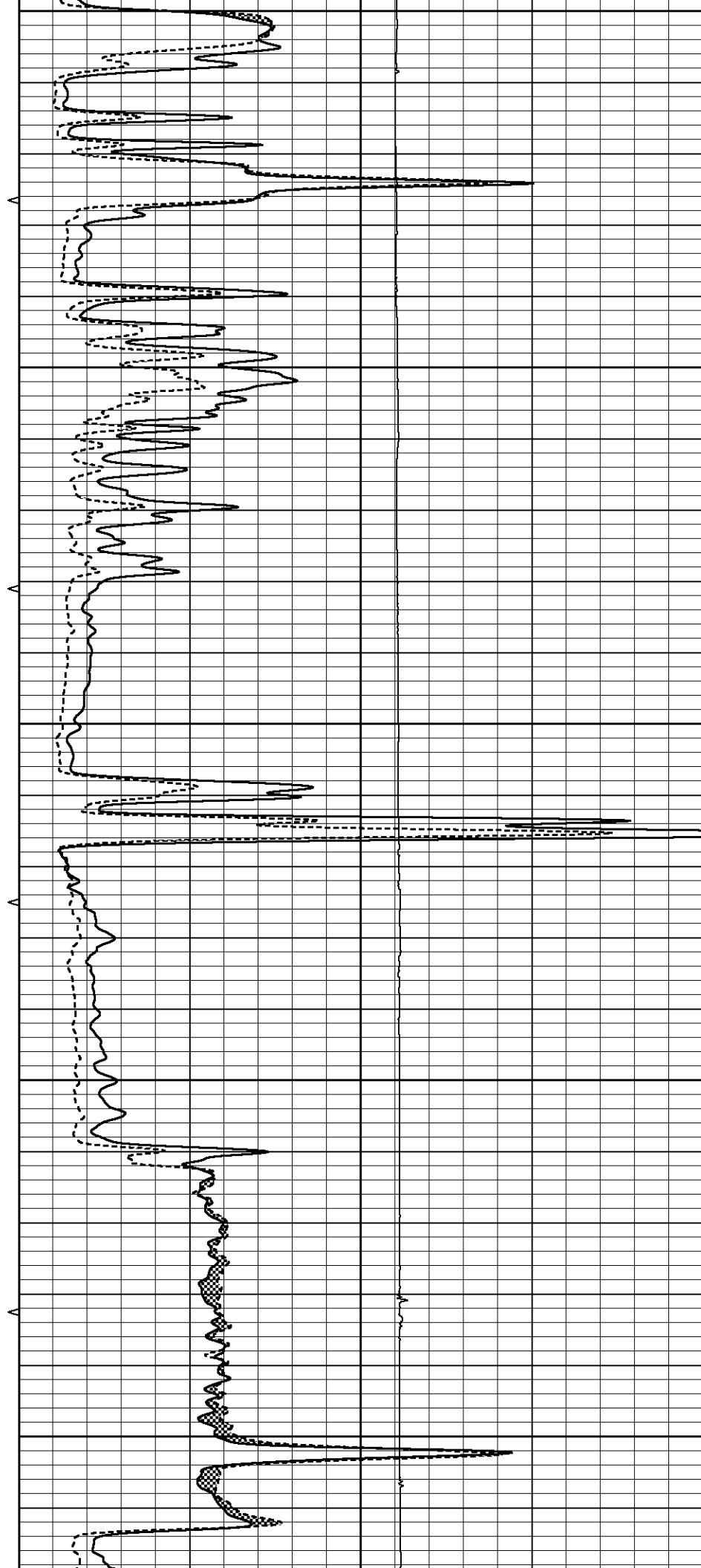
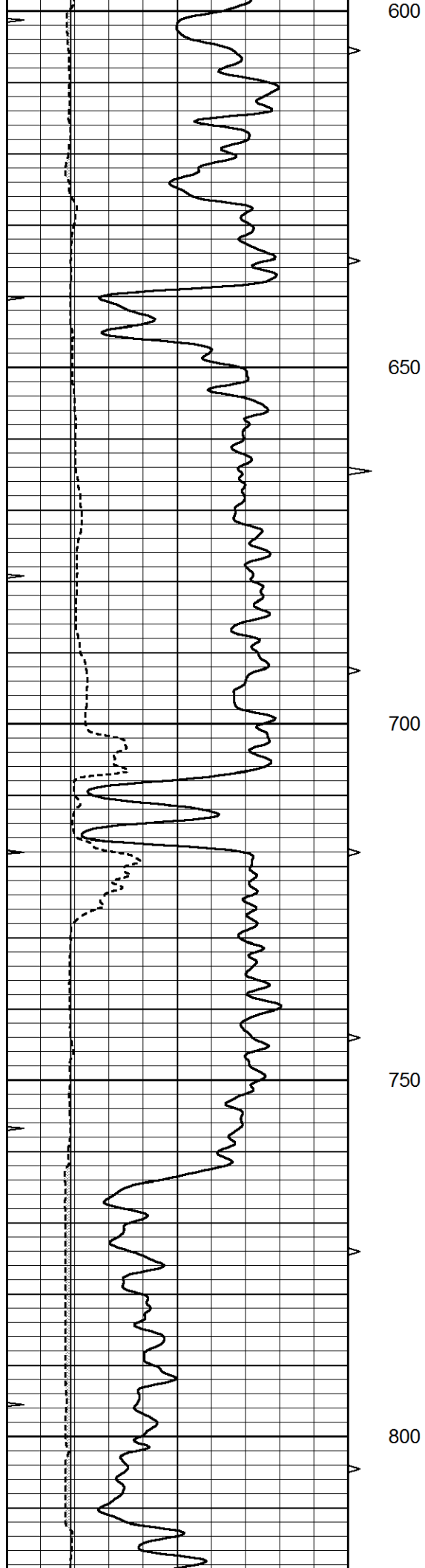
# MAIN SECTION

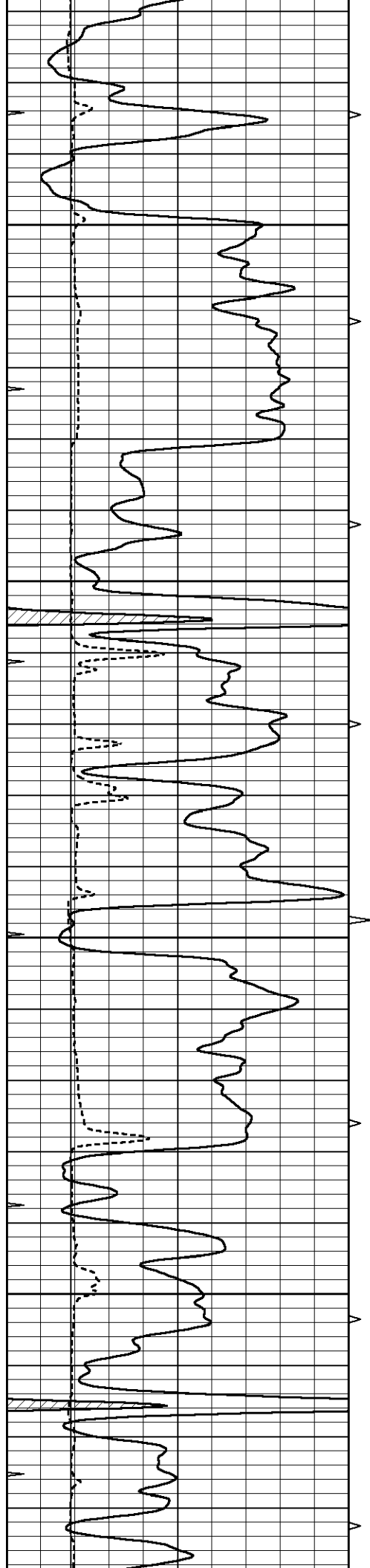
|                     |                            |
|---------------------|----------------------------|
| Database File       | 7311pe.db                  |
| Dataset Pathname    | pass7.1                    |
| Presentation Format | _micro                     |
| Dataset Creation    | Tue Aug 01 16:42:55 2023   |
| Charted by          | Depth in Feet scaled 1:240 |

|   |                  |     |          |    |                |                |    |           |      |
|---|------------------|-----|----------|----|----------------|----------------|----|-----------|------|
| 0 | GAMMA RAY (GAPI) | 150 | ABHV     | 0  | MEL1.5 (Ohm-m) |                | 40 |           |      |
| 6 | CALIPER (in)     | 16  | 10 (ft3) | 0  | 0              | MEL2.0 (Ohm-m) |    | 40        |      |
| 0 | MINMK            | 20  | TBHV     |    |                |                | 0  | LTEN (lb) | 5000 |
|   |                  |     | 0 (ft3)  | 10 |                |                |    |           |      |







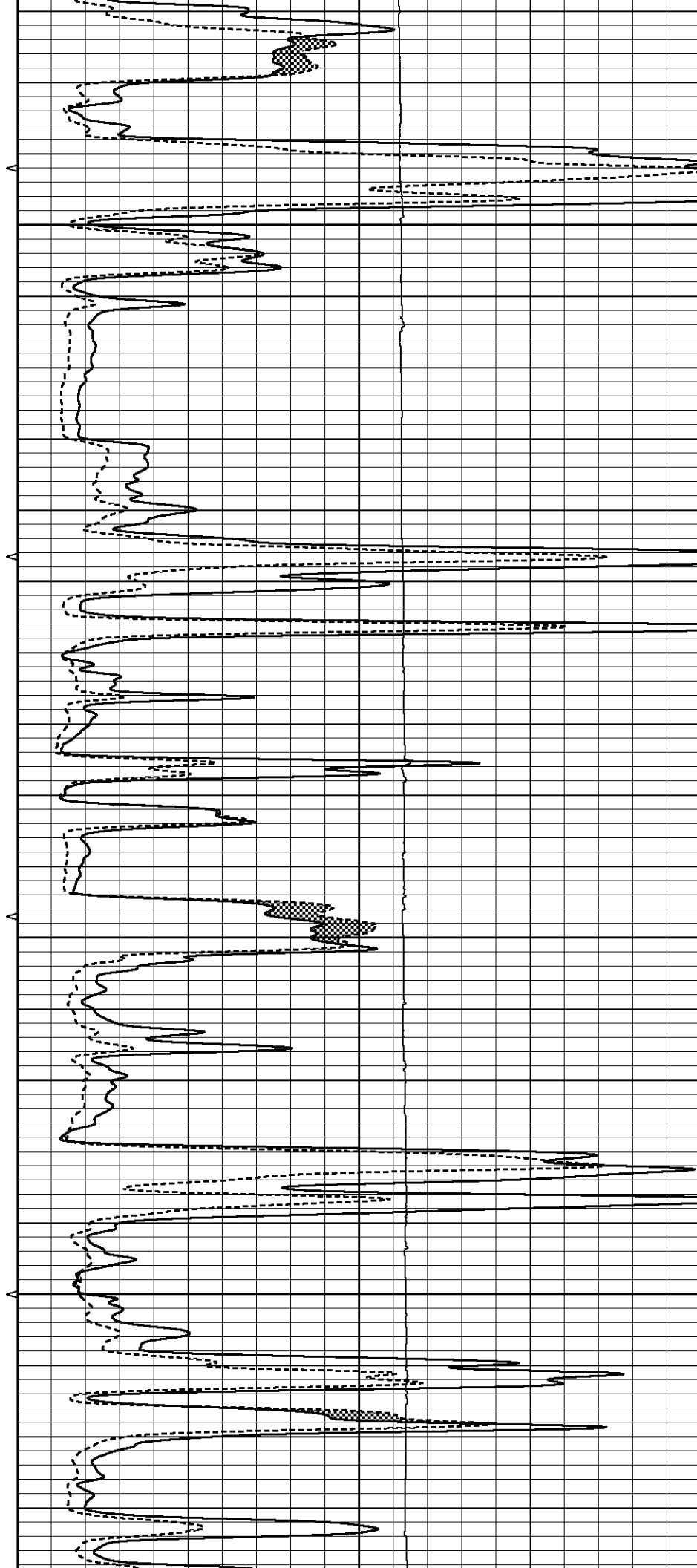


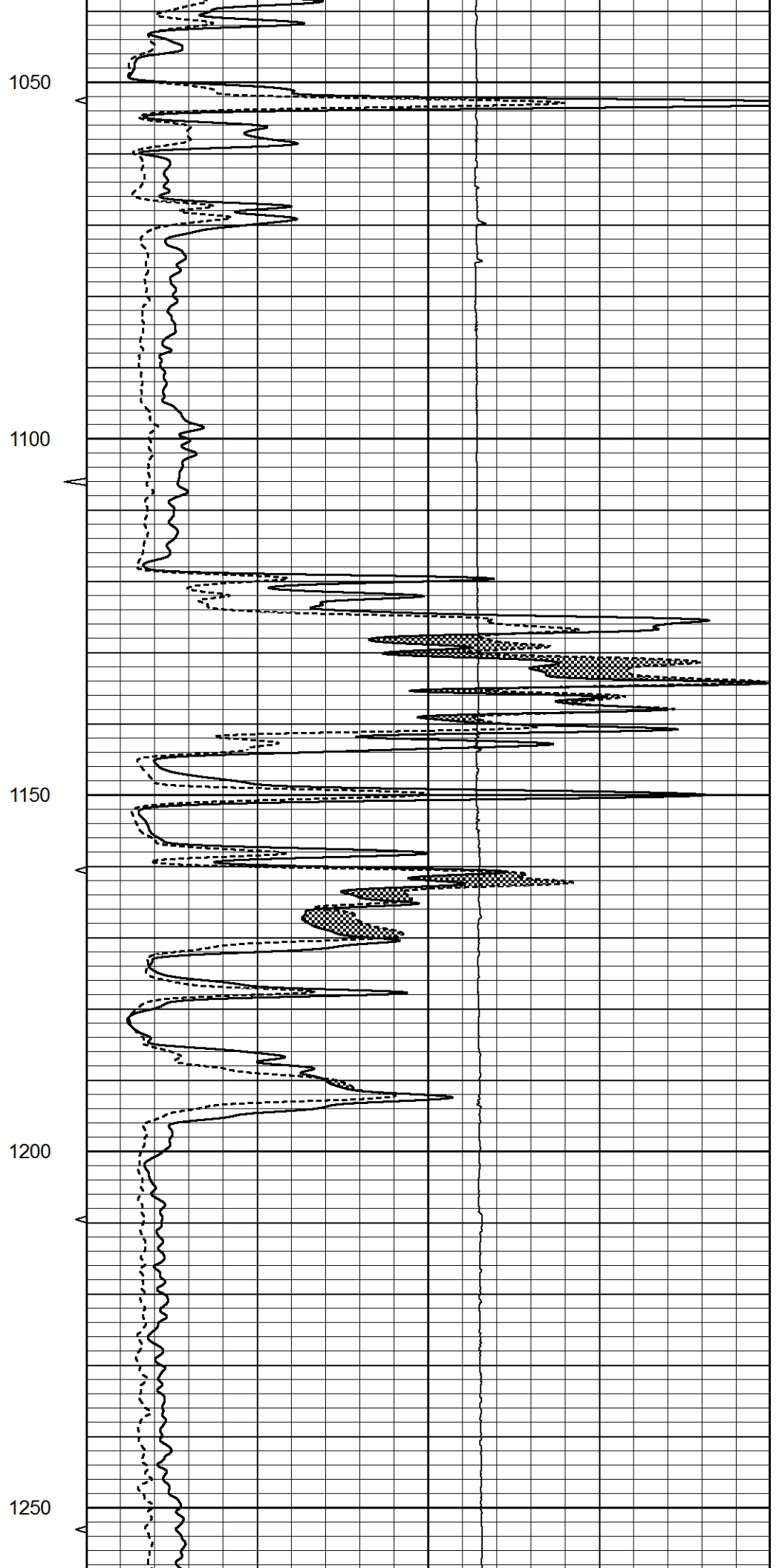
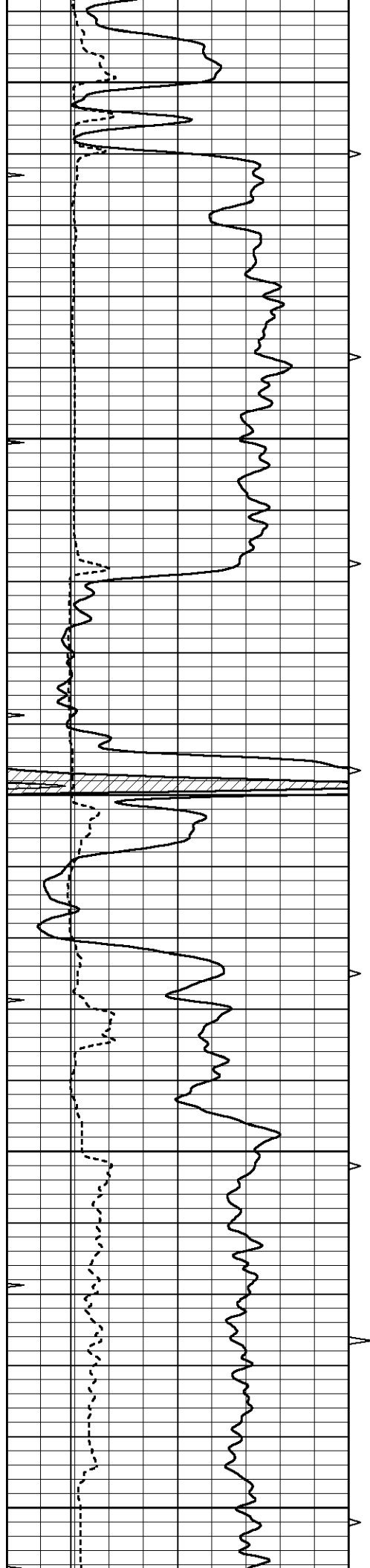
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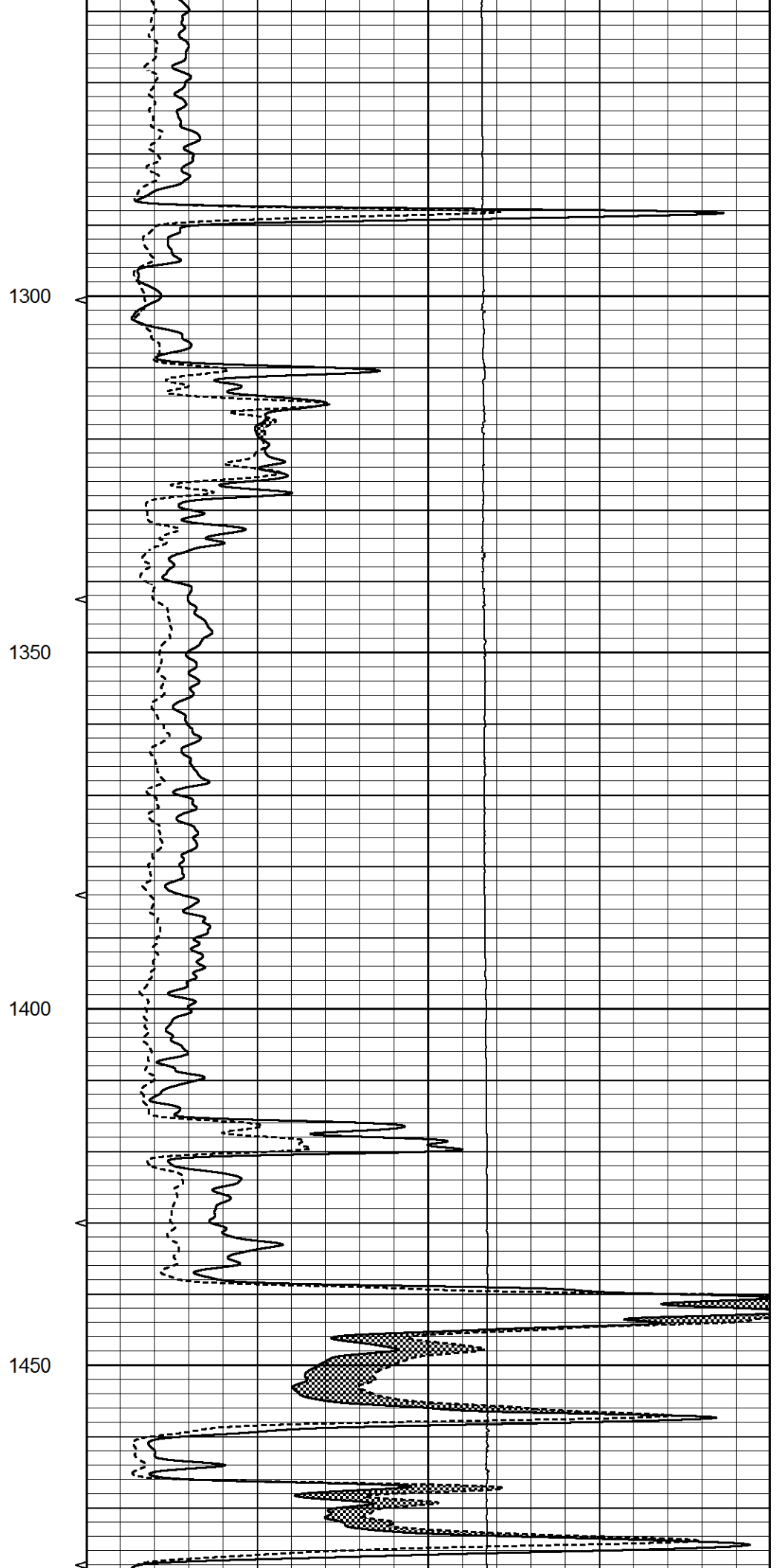
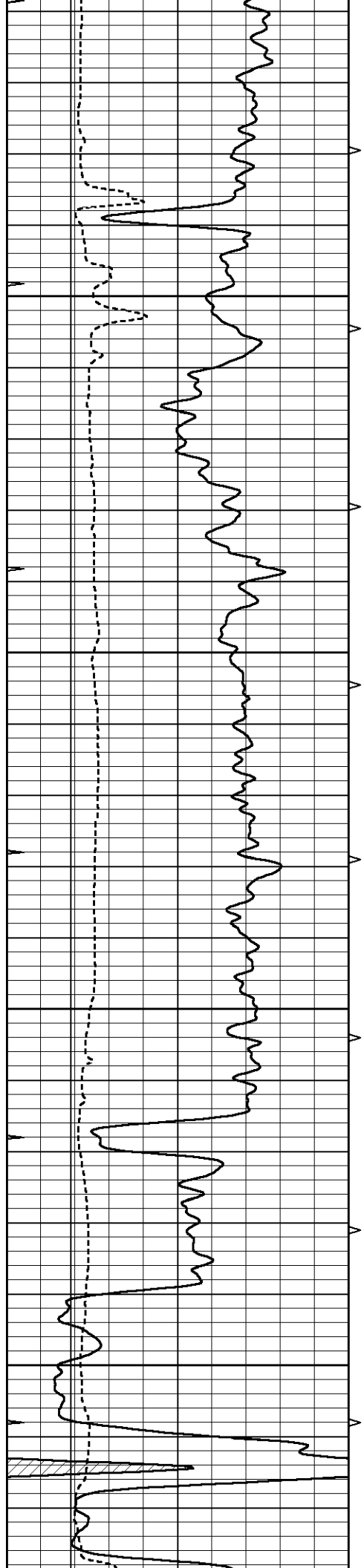
900

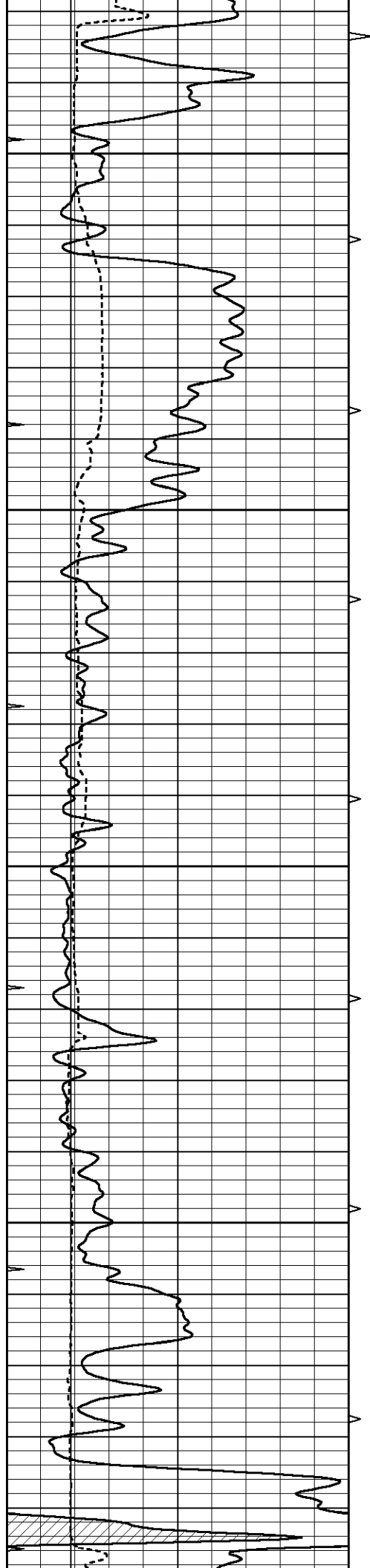
950

1000







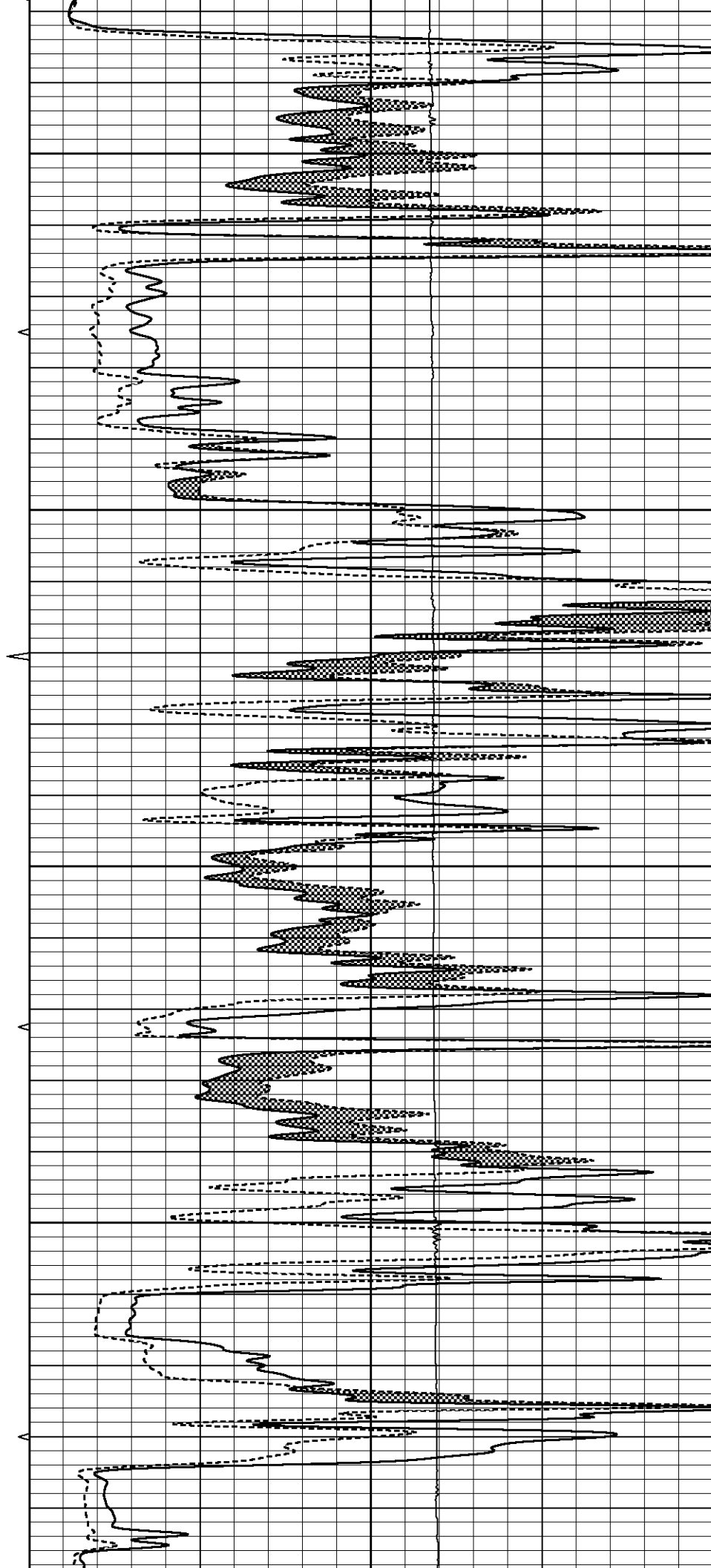


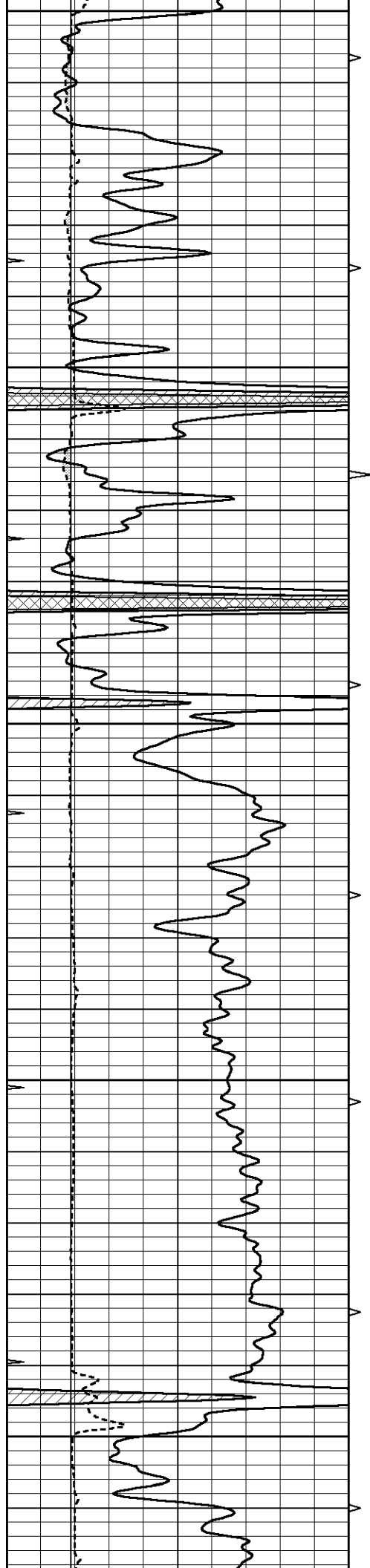
1500

1550

1600

1650





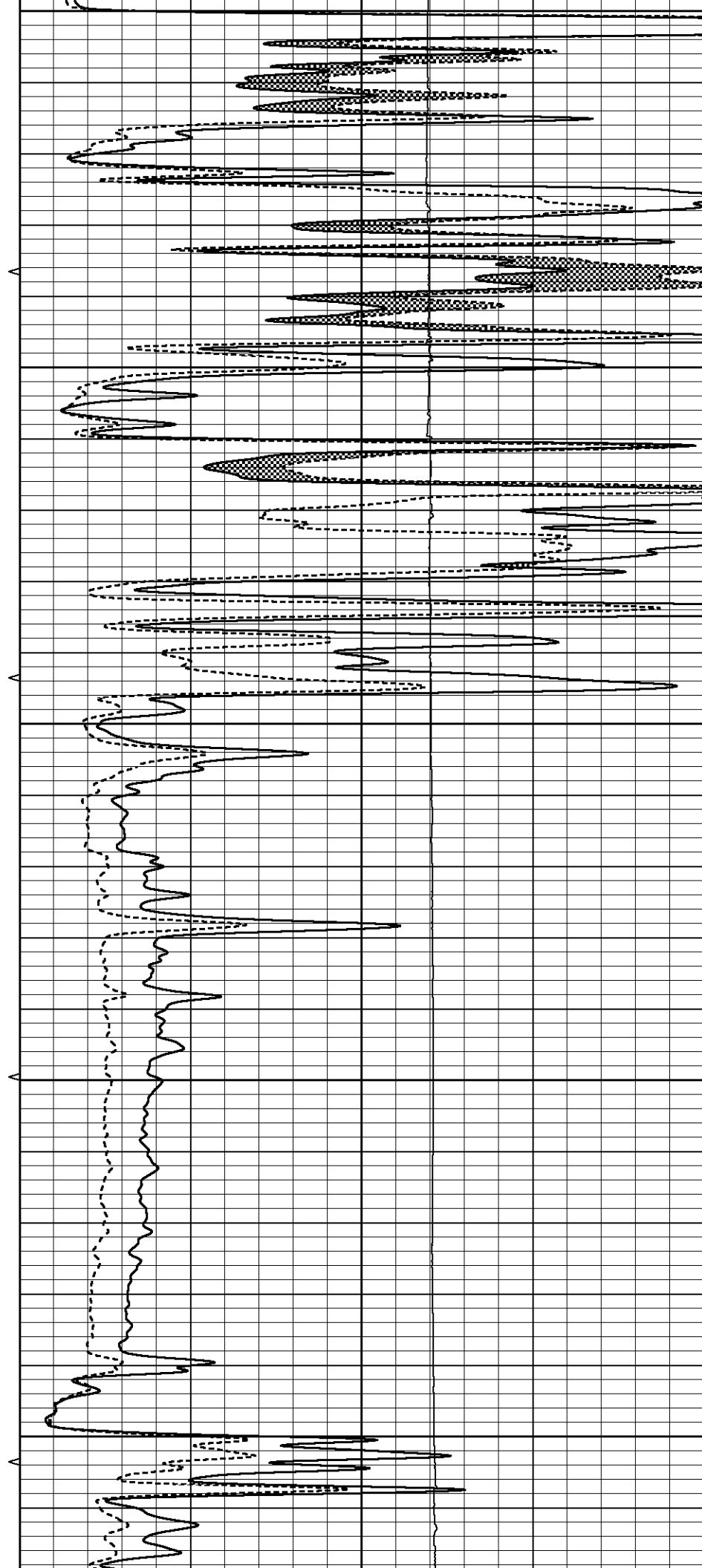
1700

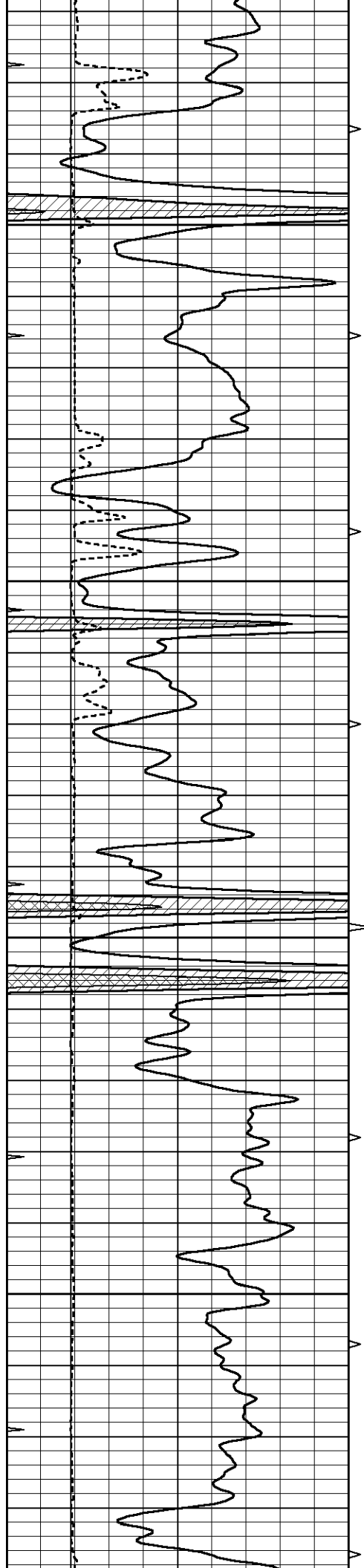
1750

1800

1850

1900



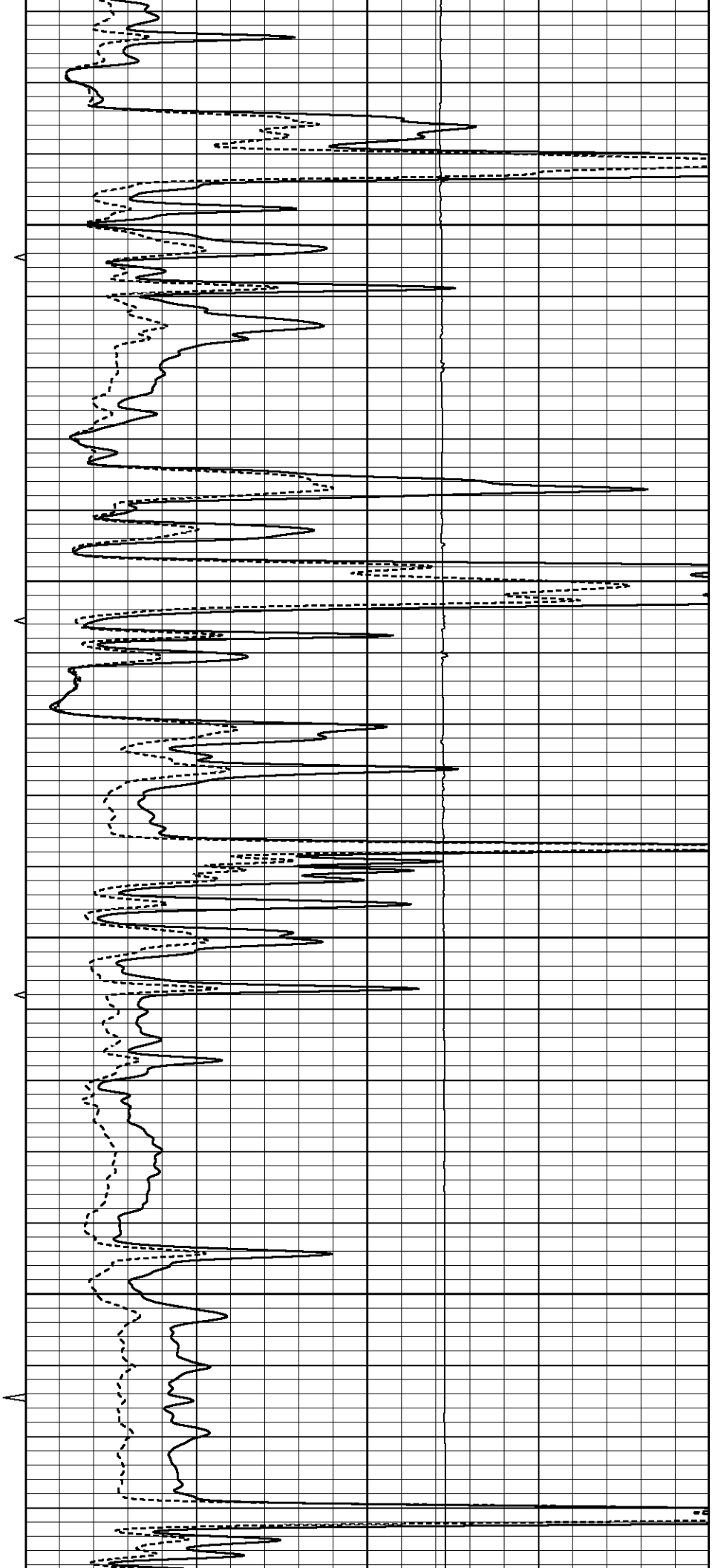


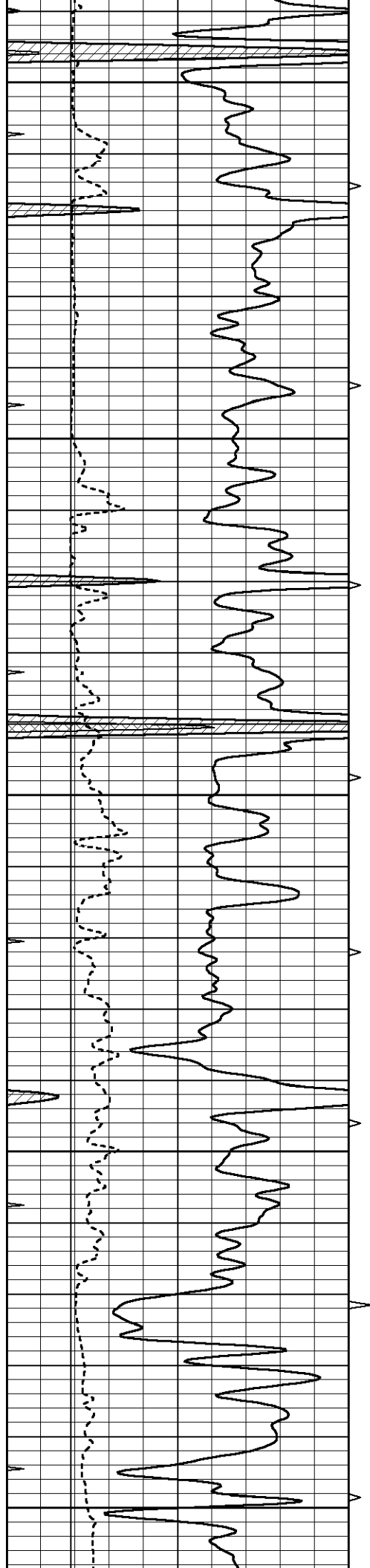
1950

2000

2050

2100





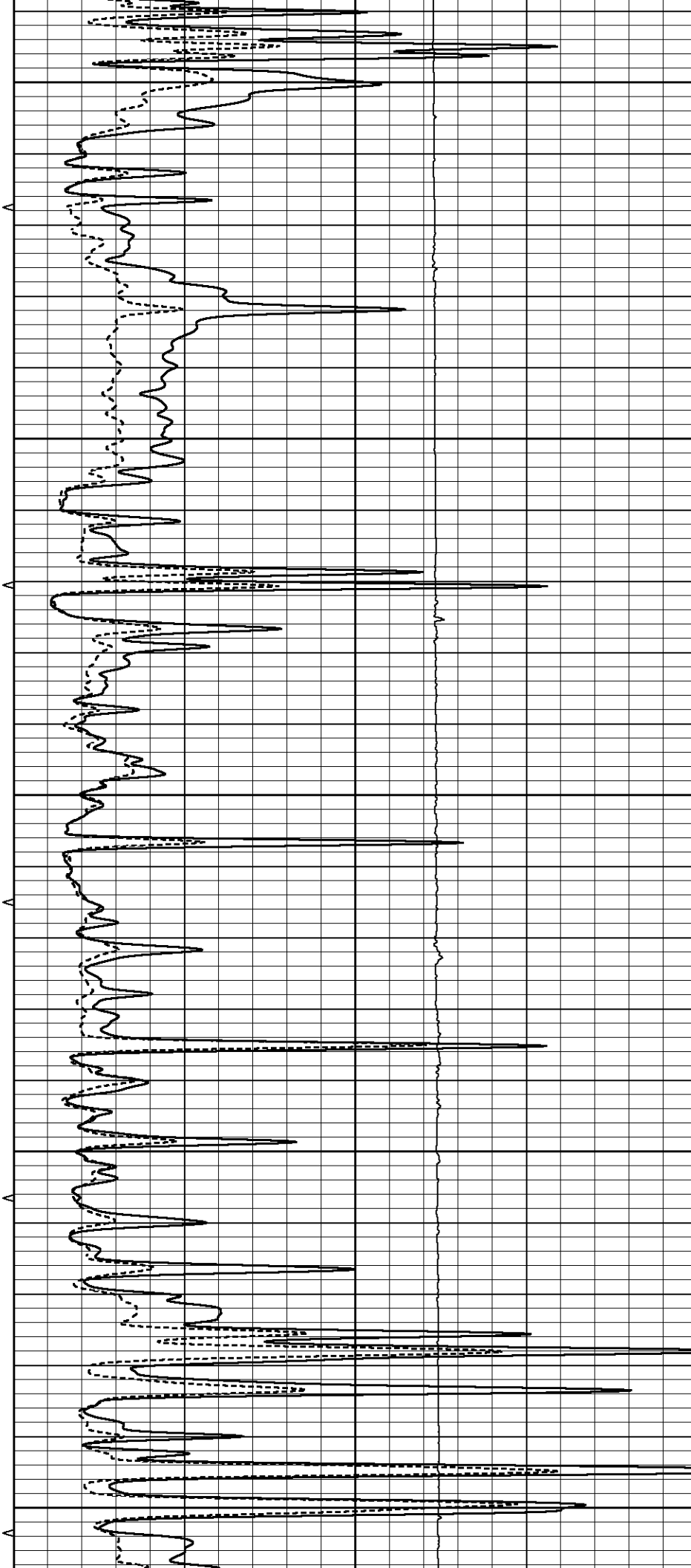
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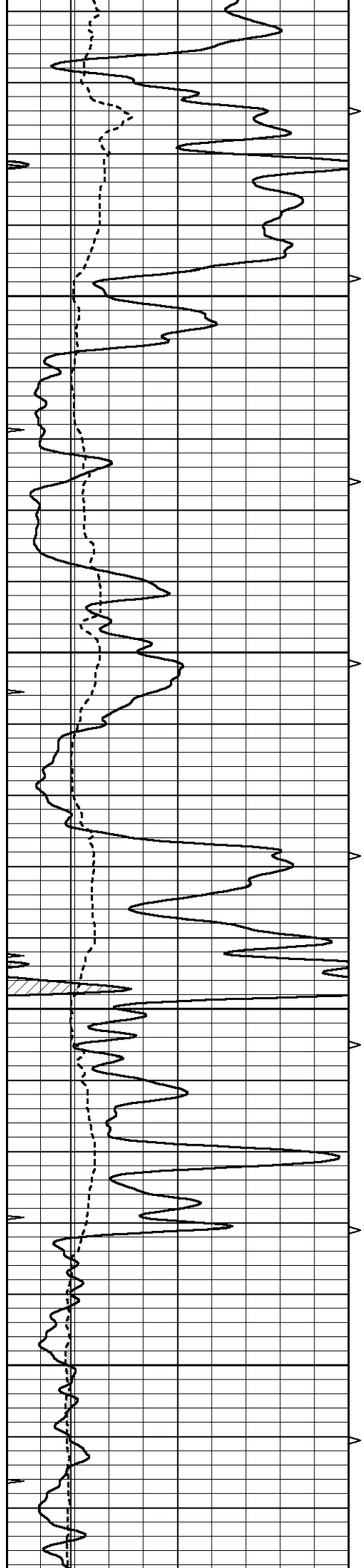
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2250

2300

2350



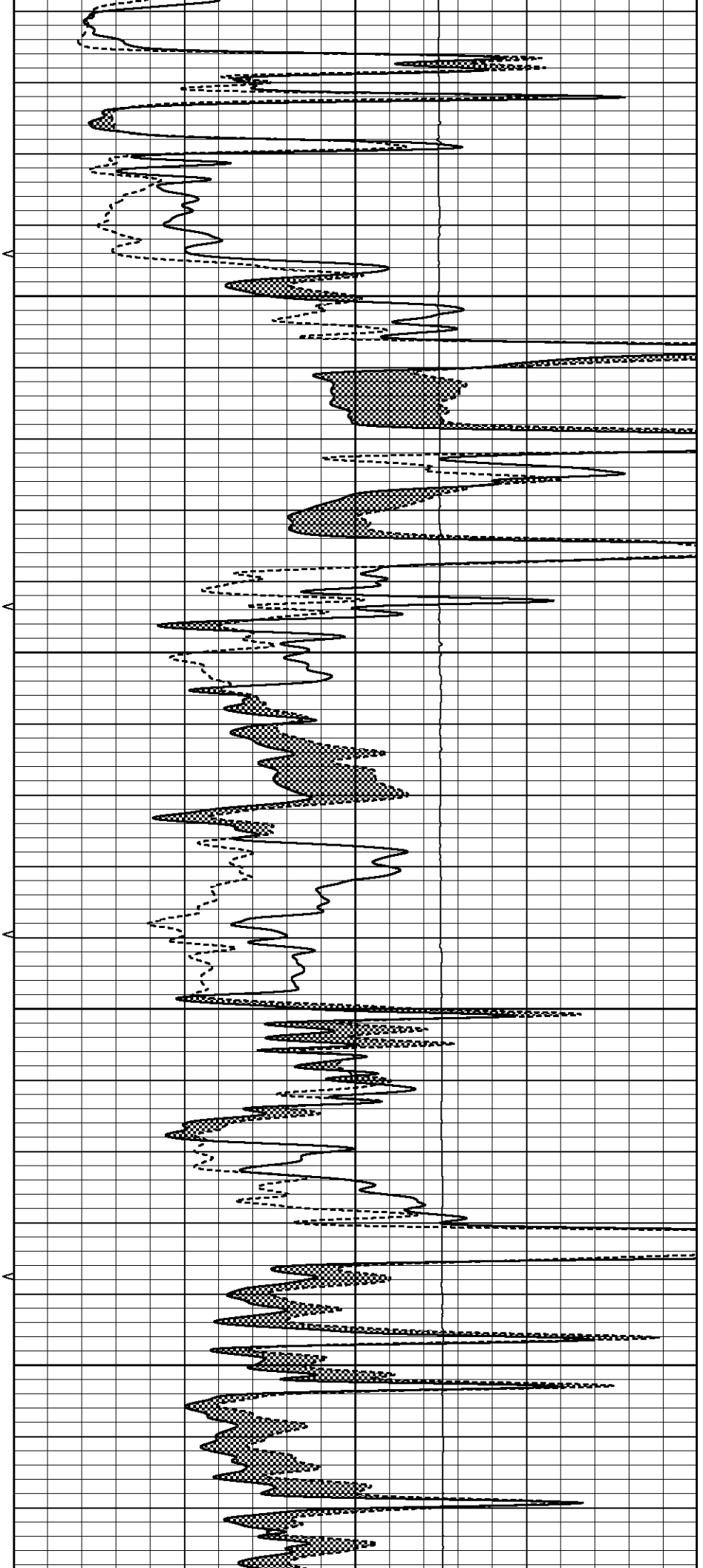


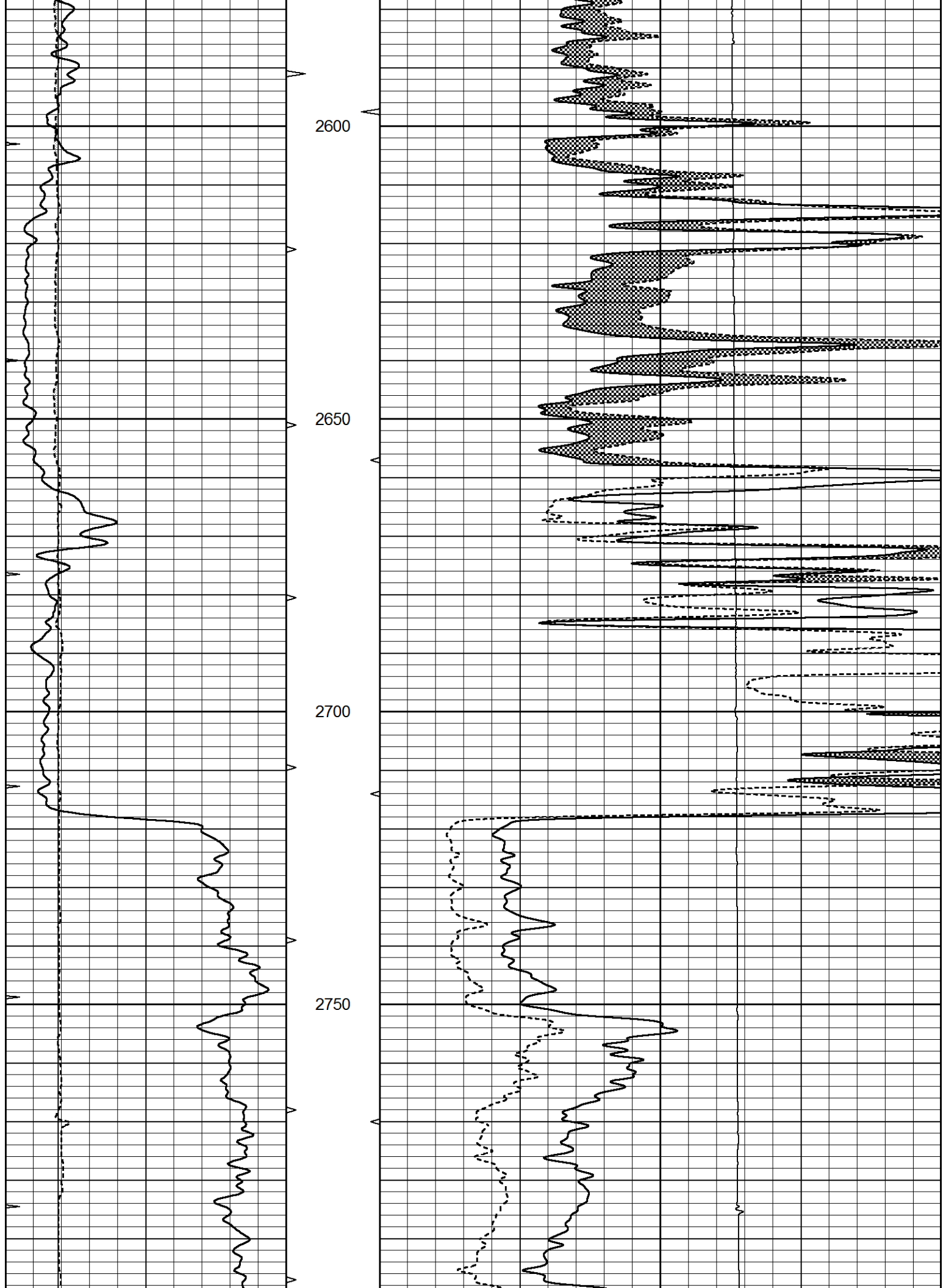
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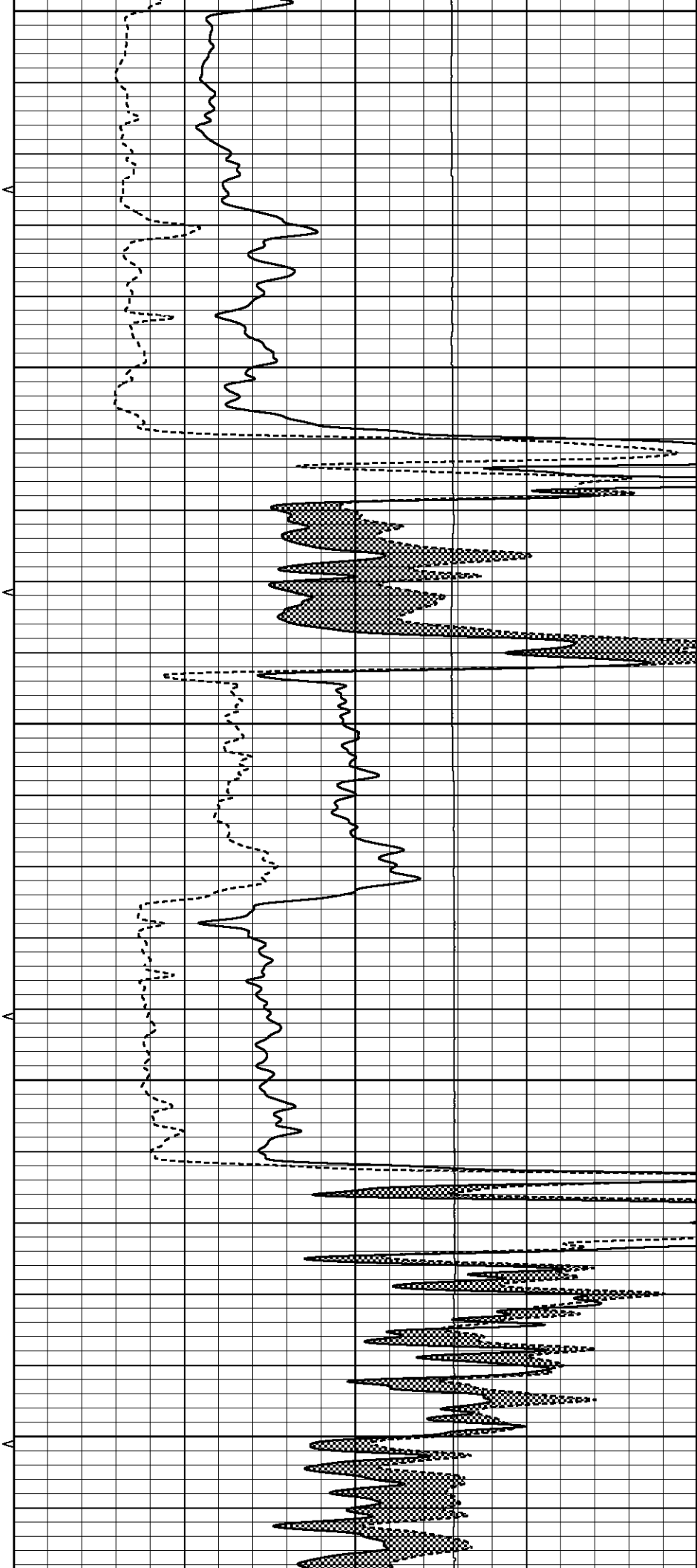
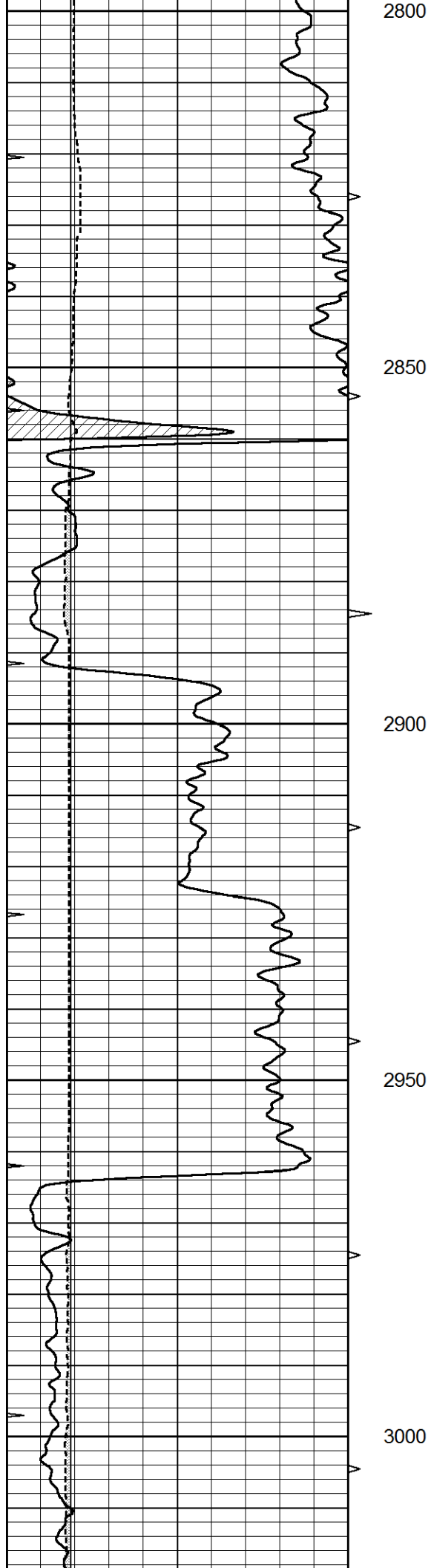
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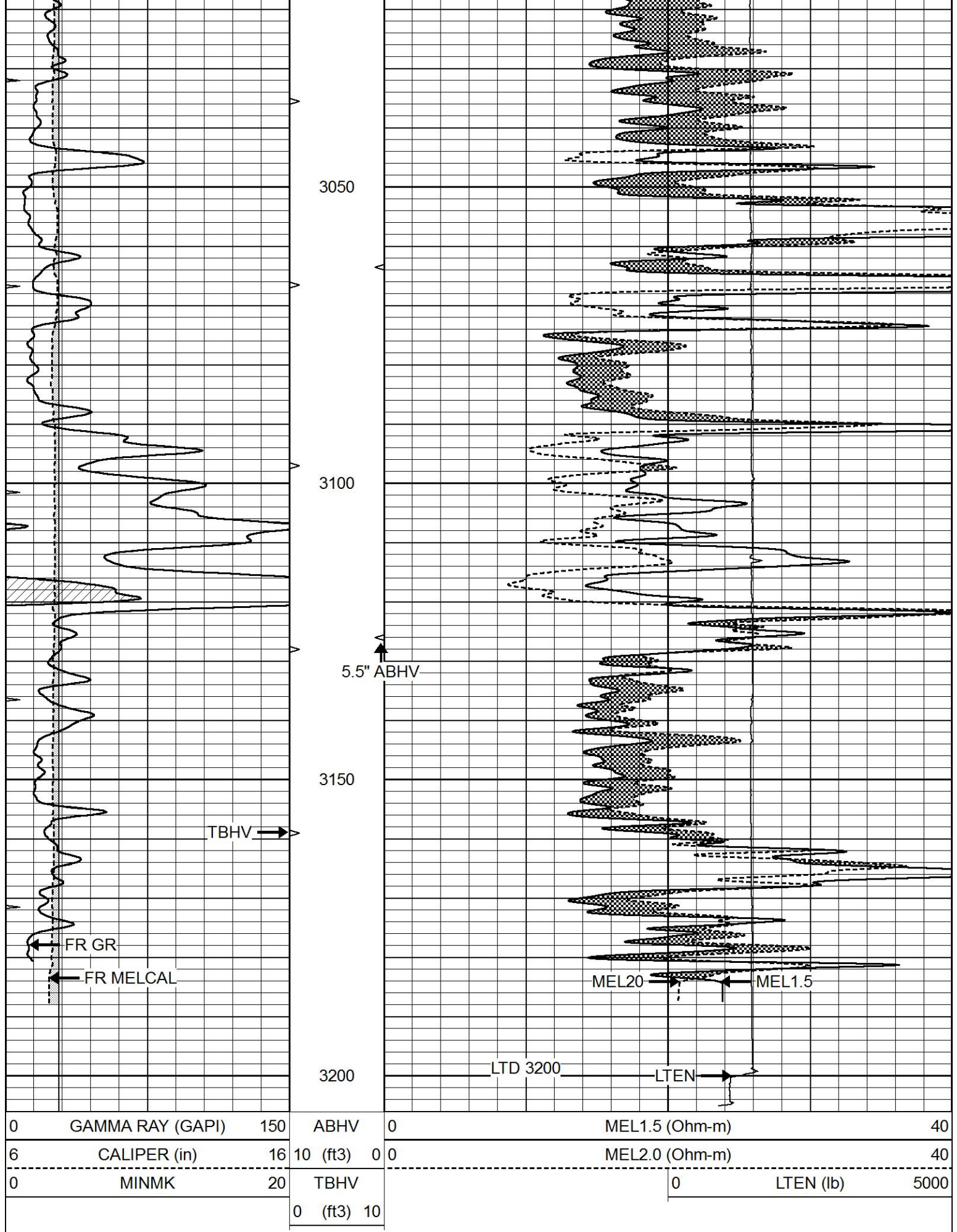
2500

2550







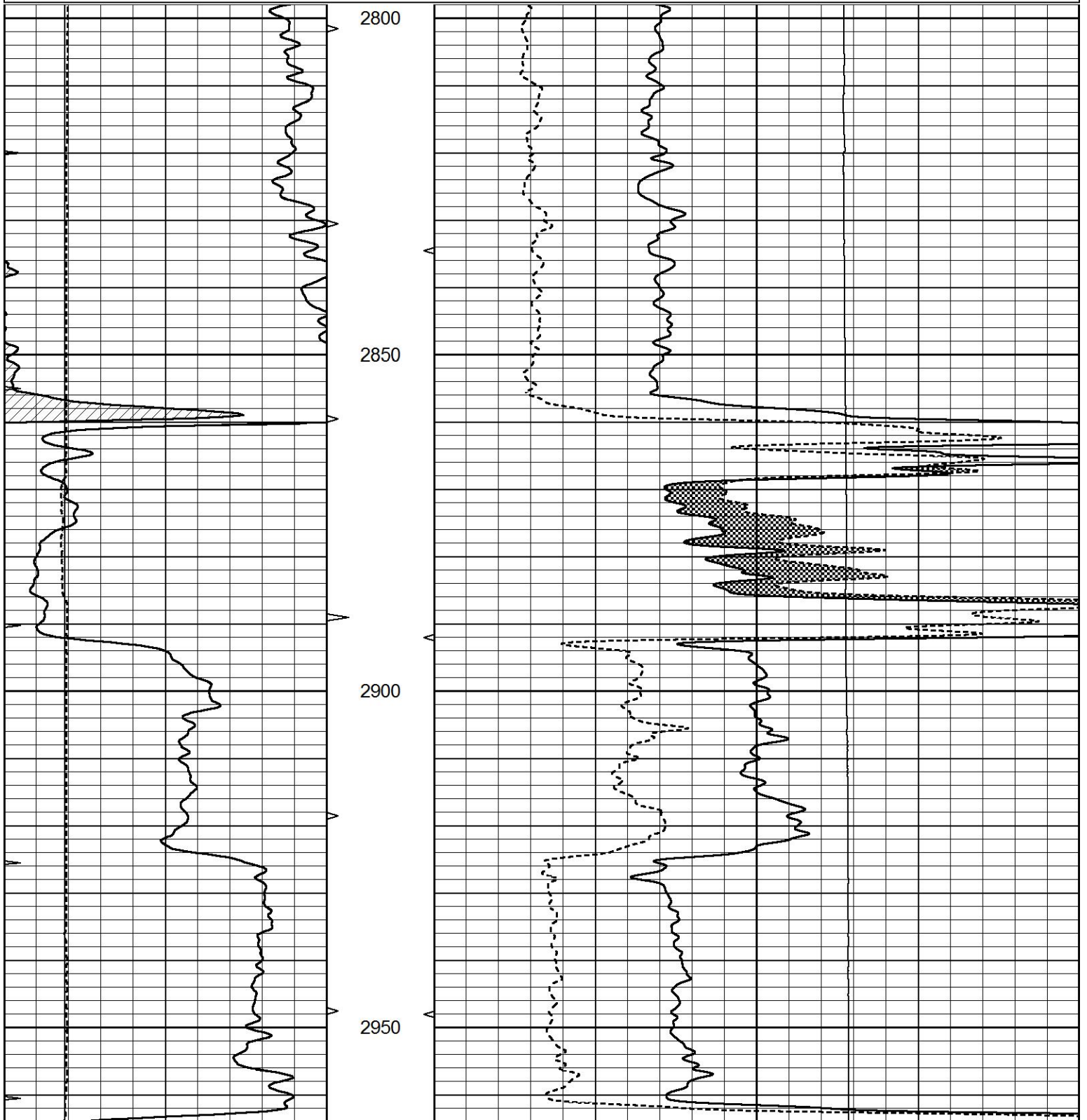


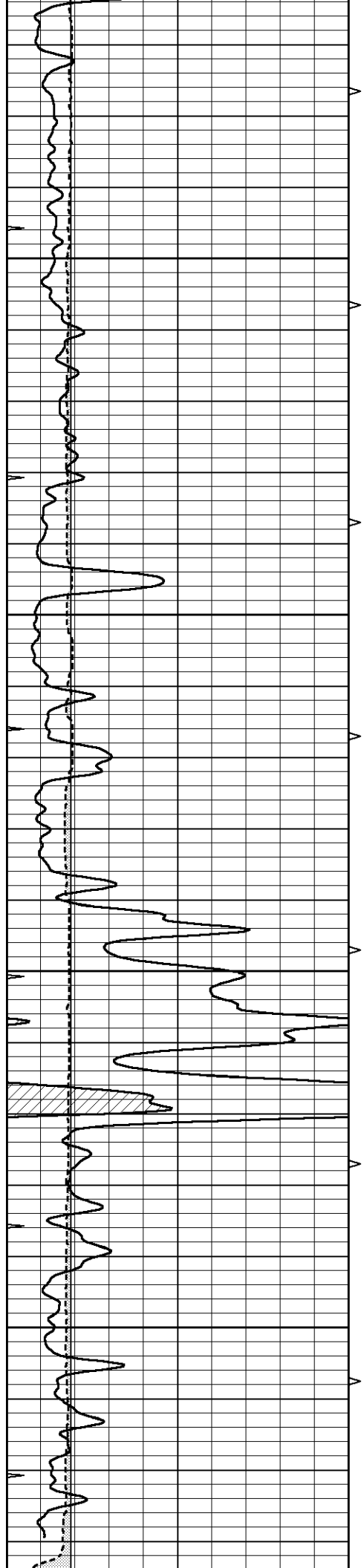


# REPEAT SECTION

Database File 7311pe.db  
Dataset Pathname pass6.3  
Presentation Format \_micro  
Dataset Creation Tue Aug 01 15:21:17 2023  
Charted by Depth in Feet scaled 1:240

|   |                  |     |            |   |                |                |
|---|------------------|-----|------------|---|----------------|----------------|
| 0 | GAMMA RAY (GAPI) | 150 | ABHV       | 0 | MEL1.5 (Ohm-m) | 40             |
| 6 | CALIPER (in)     | 16  | 10 (ft3) 0 | 0 | MEL2.0 (Ohm-m) | 40             |
| 0 | MINMK            | 20  | TBHV       |   | 0              | LTEN (lb) 5000 |
|   |                  |     | 0 (ft3) 10 |   |                |                |



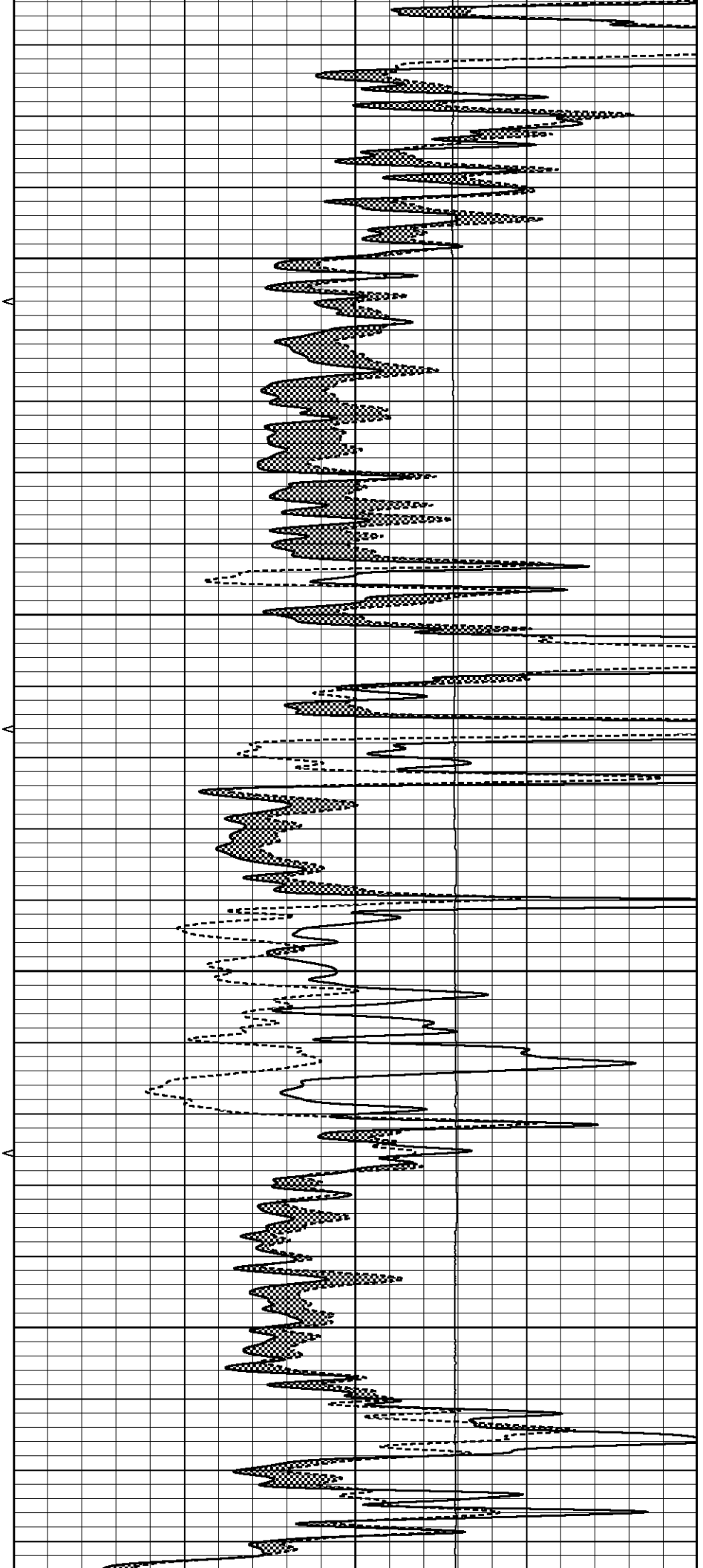


3000

3050

3100

3150



|   |                  |     |          |    |                |           |      |  |
|---|------------------|-----|----------|----|----------------|-----------|------|--|
|   |                  |     | 3200     |    |                |           |      |  |
| 0 | GAMMA RAY (GAPI) | 150 | ABHV     | 0  | MEL1.5 (Ohm-m) | 40        |      |  |
| 6 | CALIPER (in)     | 16  | 10 (ft3) | 0  | MEL2.0 (Ohm-m) | 40        |      |  |
| 0 | MINMK            | 20  | TBHV     |    | 0              | LTEN (lb) | 5000 |  |
|   |                  |     | 0 (ft3)  | 10 |                |           |      |  |

|                              |  |                          |              |
|------------------------------|--|--------------------------|--------------|
| Database File                |  | 7311pe.db                |              |
| Dataset Pathname             |  | pass7.1                  |              |
| Dataset Creation             |  | Tue Aug 01 16:42:55 2023 |              |
| MICRO Calibration Report     |  |                          |              |
| Serial Number:               |  | 070911                   |              |
| Tool Model:                  |  | ProbeN                   |              |
| Performed:                   |  | Tue Aug 01 15:45:31 2023 |              |
| Caliper Calibration:         |  | Gain=4.706               | Offset=2.353 |
| References                   |  | Low Cal                  | High Cal     |
| Readings                     |  | 8.000                    | 16.000       |
|                              |  | 1.200                    | 2.900        |
| 1.5" Calibration:            |  | Gain=30.000              | Offset=0.000 |
| References                   |  | Low Cal                  | High Cal     |
| Readings                     |  | 0.000                    | 20.000       |
|                              |  | 0.001                    | 1.291        |
| 2" Calibration:              |  | Gain=36.000              | Offset=0.500 |
| References                   |  | Low Cal                  | High Cal     |
| Readings                     |  | 0.000                    | 20.000       |
|                              |  | 0.003                    | 1.103        |
| Gamma Ray Calibration Report |  |                          |              |
| Serial Number:               |  | 070558                   |              |
| Tool Model:                  |  | OPEN_GR                  |              |
| Performed:                   |  | Tue Aug 01 12:36:48 2023 |              |
| Calibrator Value:            |  | 1.0                      | GAPI         |
| Background Reading:          |  | 0.0                      | cps          |
| Calibrator Reading:          |  | 1.0                      | cps          |
| Sensitivity:                 |  | 0.3000                   | GAPI/cps     |