



**SUPERIOR  
Hays,  
Kansas**

# SONIC LOG

|                              |                           |                                           |        |
|------------------------------|---------------------------|-------------------------------------------|--------|
| Company                      | VINCENT OIL CORPORATION   |                                           |        |
| Well                         | CUMMINGS #1-12            |                                           |        |
| Field                        | WILDCAT                   |                                           |        |
| County                       | FORD                      | State                                     | KANSAS |
| Location:                    | API # : 15-057-20630-0000 | Other Services<br>DIL/CDL/CNL<br>PE/MICRO |        |
| SEC 12 TWP 29S RGE 23W       |                           | Elevation                                 |        |
| Permanent Datum              | GROUND LEVEL              | Elevation                                 | 2536   |
| Log Measured From            | KELLY BUSHING 12' A.G.L.  |                                           |        |
| Drilling Measured From       | KELLY BUSHING             |                                           |        |
| Date                         | 03/17/2009                |                                           |        |
| Run Number                   | CNE                       |                                           |        |
| Depth Driller                | 5450                      |                                           |        |
| Depth Logger                 | 5449                      |                                           |        |
| Bottom Logged Interval       | 5442                      |                                           |        |
| Top Log Interval             | 647                       |                                           |        |
| Casing Driller               | 8 5/8 @ 650'              |                                           |        |
| Casing Logger                | 647'                      |                                           |        |
| Bit Size                     | 7 7/8                     |                                           |        |
| Type Fluid in Hole           | CHEMICAL MUD              |                                           |        |
| Density / Viscosity          | 9.4 / 78                  | CHLORIDES 12,000                          |        |
| pH / Fluid Loss              | 9.0 / 15.2                |                                           |        |
| Source of Sample             | FLOWLINE                  |                                           |        |
| Rm @ Meas. Temp              | 0.36 @ 69F                |                                           |        |
| Rmf @ Meas. Temp             | 0.27 @ 69F                |                                           |        |
| Rmc @ Meas. Temp             | 0.43 @ 69F                |                                           |        |
| Source of Rmf / Rmc          | CAL/CAL                   |                                           |        |
| Rm @ BHT                     | 0.19 @ 129F               |                                           |        |
| Time Circulation Stopped     | 2 HOURS                   |                                           |        |
| Time Logger on Bottom        | 3:00 PM                   |                                           |        |
| Maximum Recorded Temperature | 129F                      |                                           |        |
| Equipment Number             | 680                       |                                           |        |
| Location                     | HAYS, KS                  |                                           |        |
| Recorded By                  | JEFF GRONEWEG             | JOE CRATHORNE                             |        |
| Witnessed By                 | KEN LEBLANC               |                                           |        |

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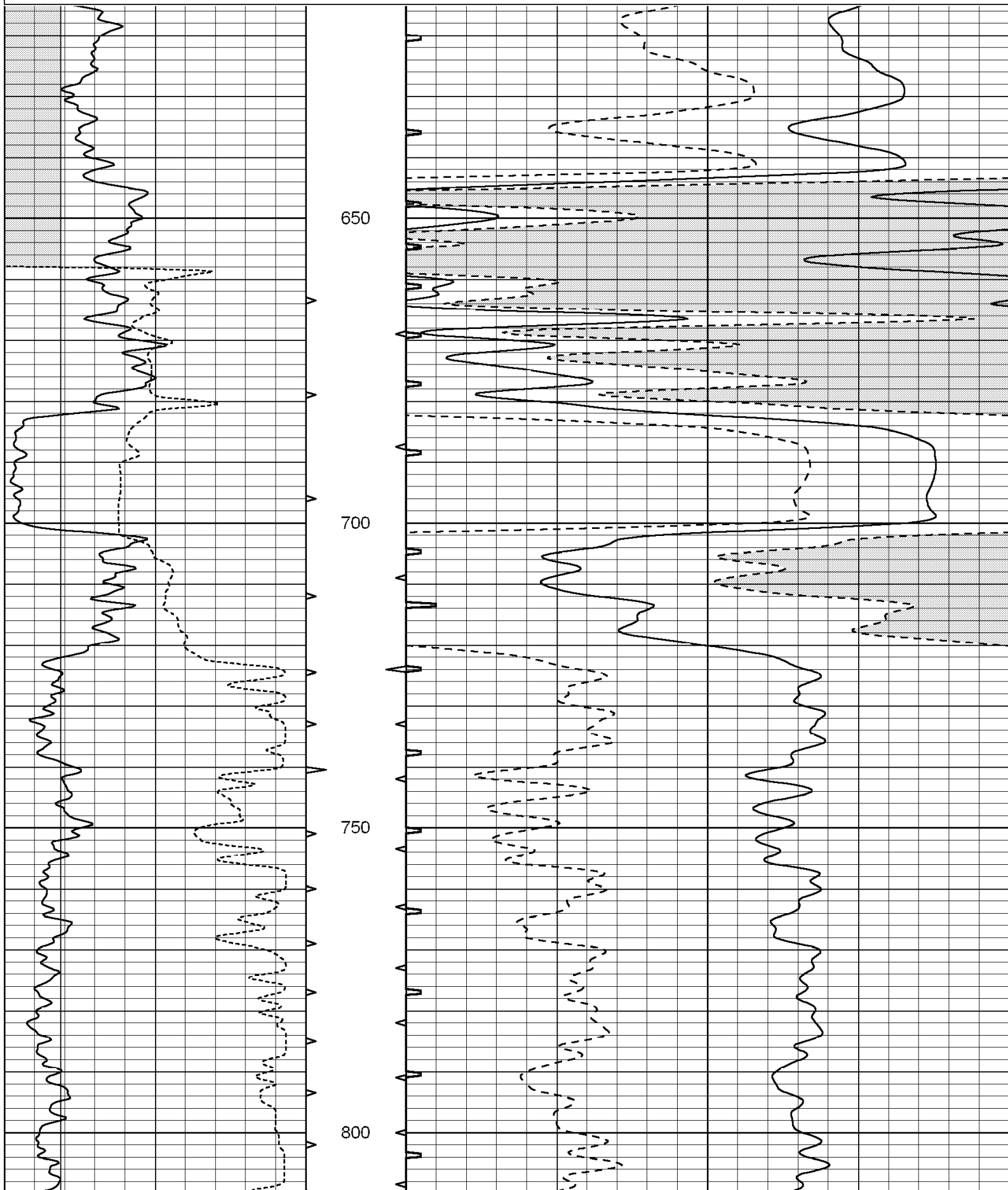
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

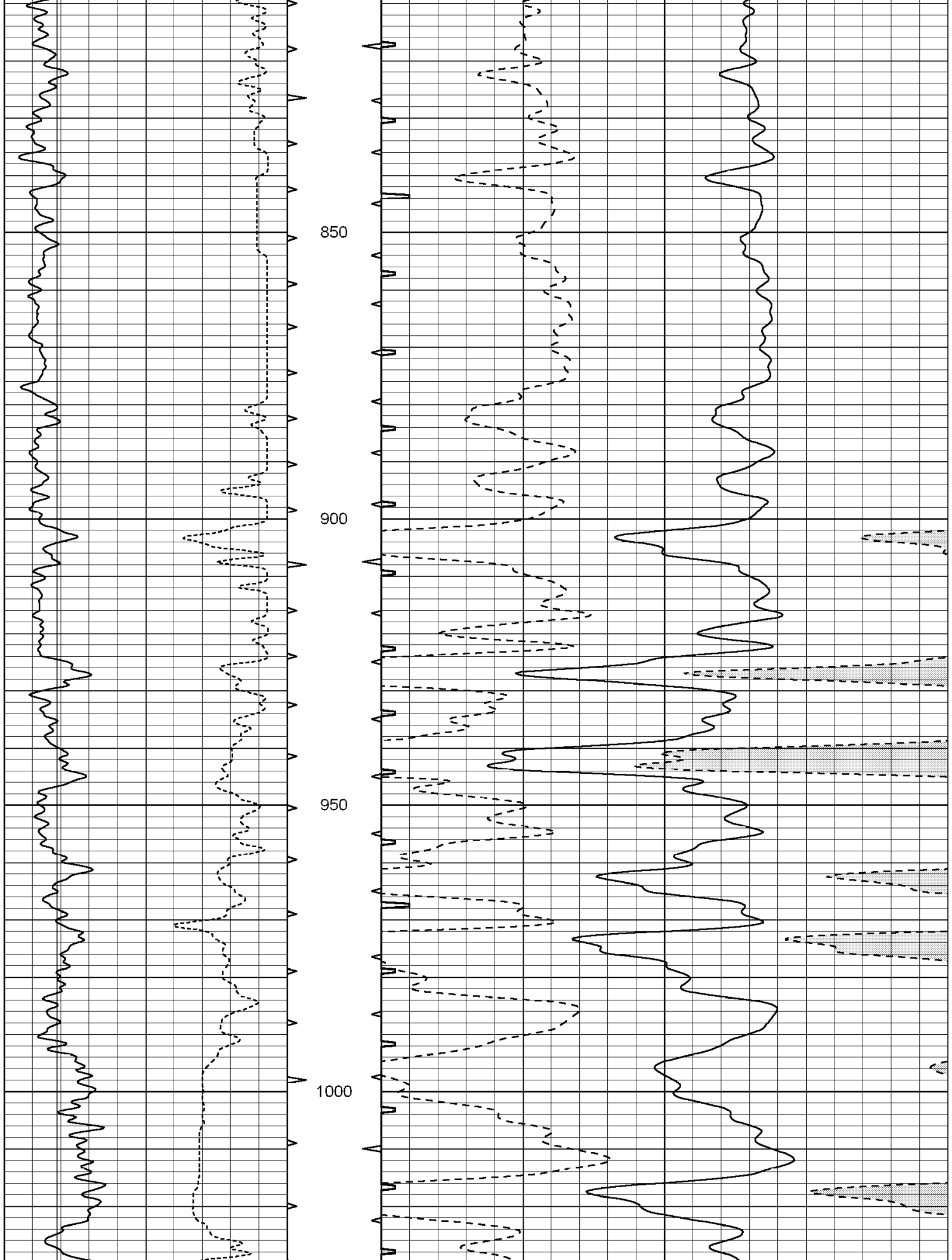
## Comments

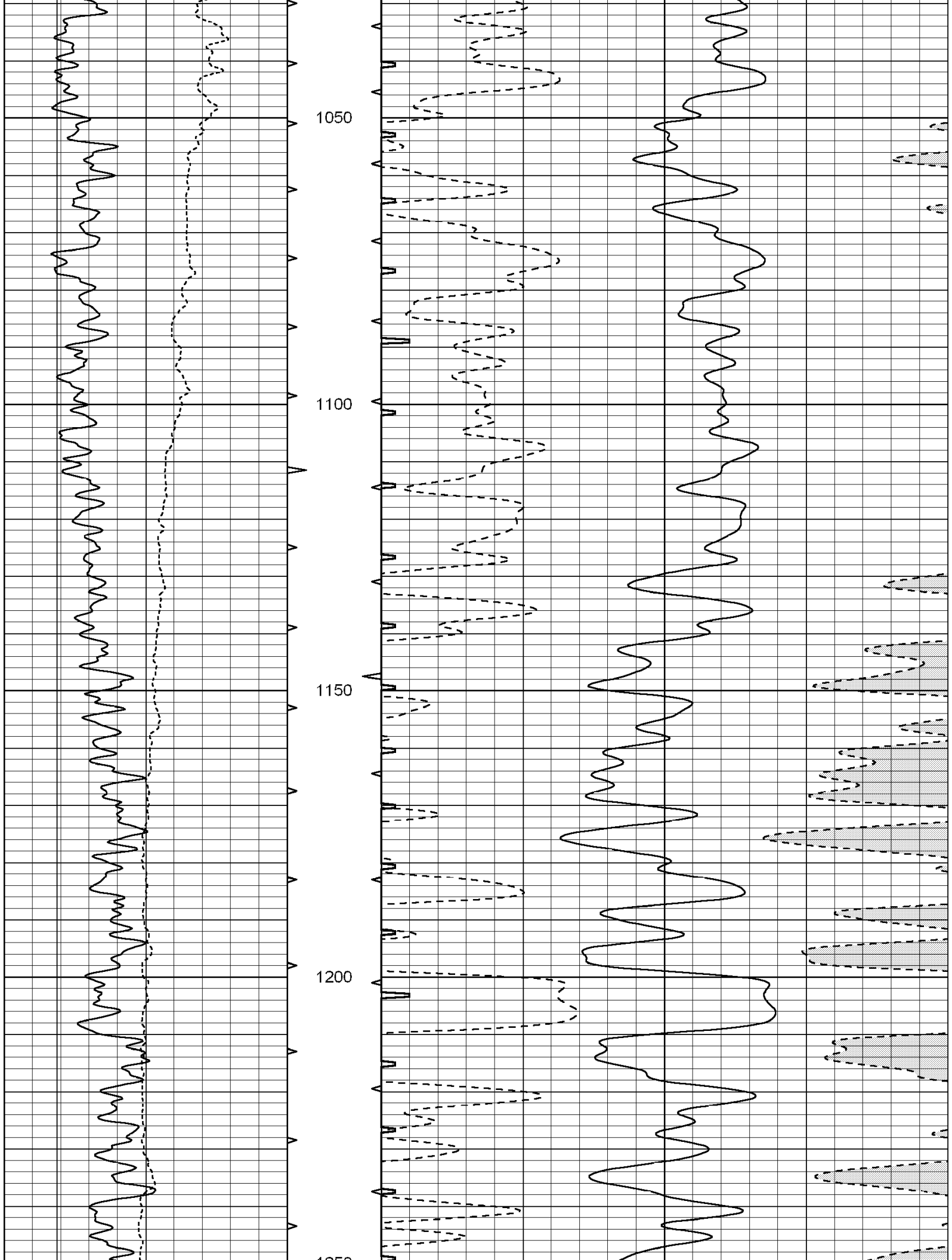
THANK YOU FOR USING SUPERIOR WELL SERVICES  
HAYS, KS. 785-628-6395

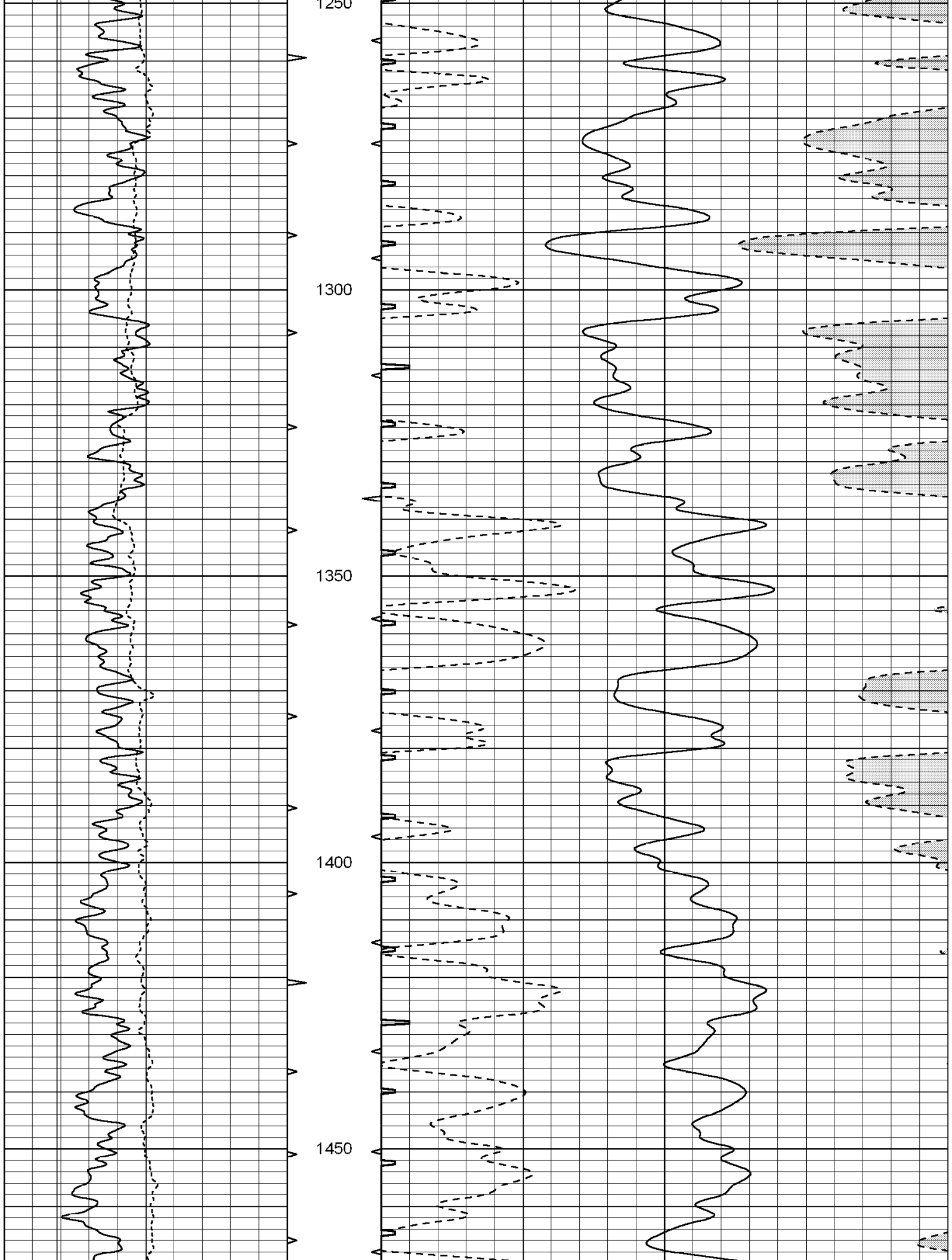
DIRECTIONS: EAST SIDE OF KINGSDOWN; 1 MILE NORTH ON RD 125 TO WILDFIRE RD, 1 MILE WEST ON WILDFIRE TO RD 124, 1/2 SOUTH, WEST INTO

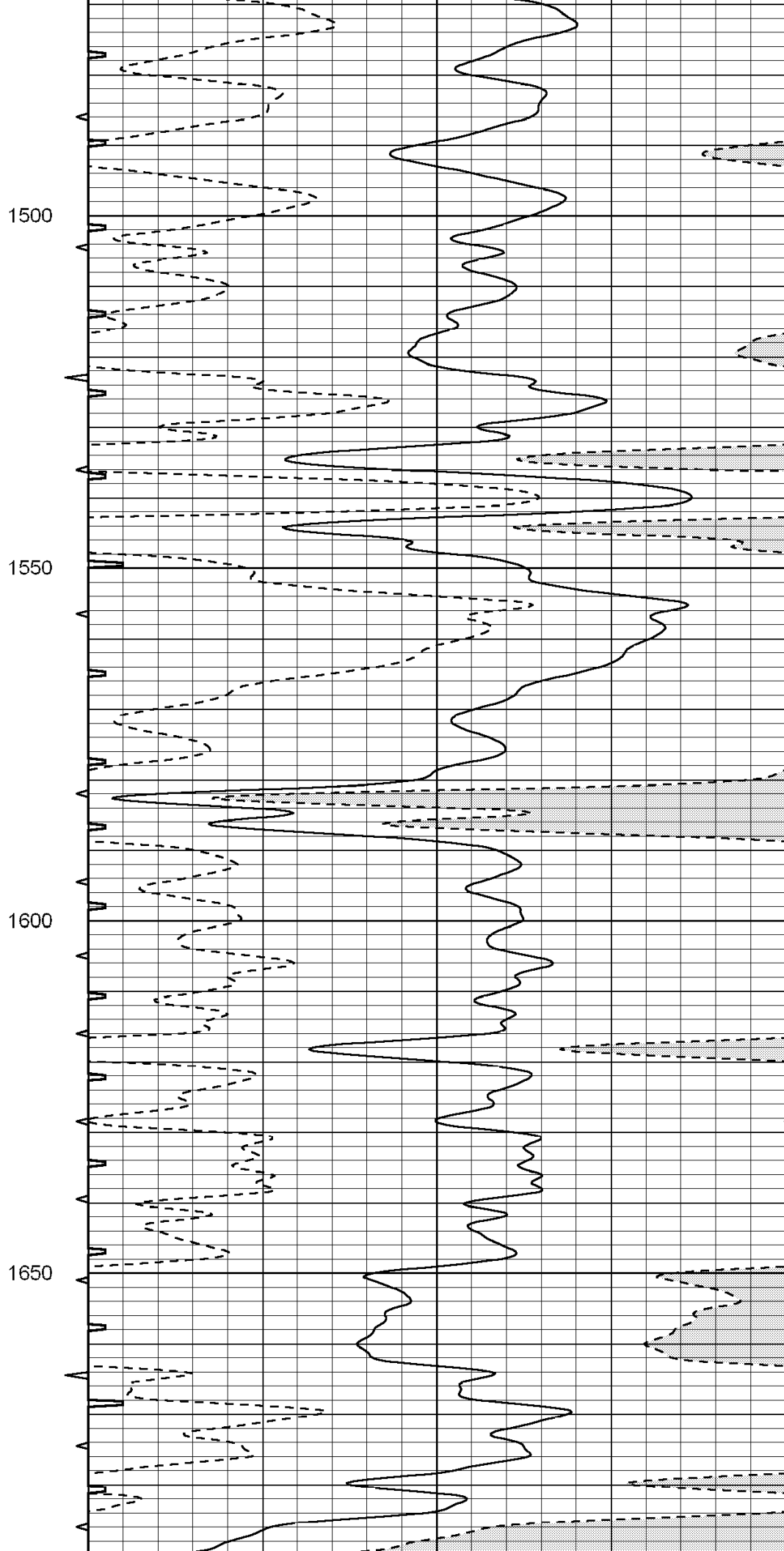
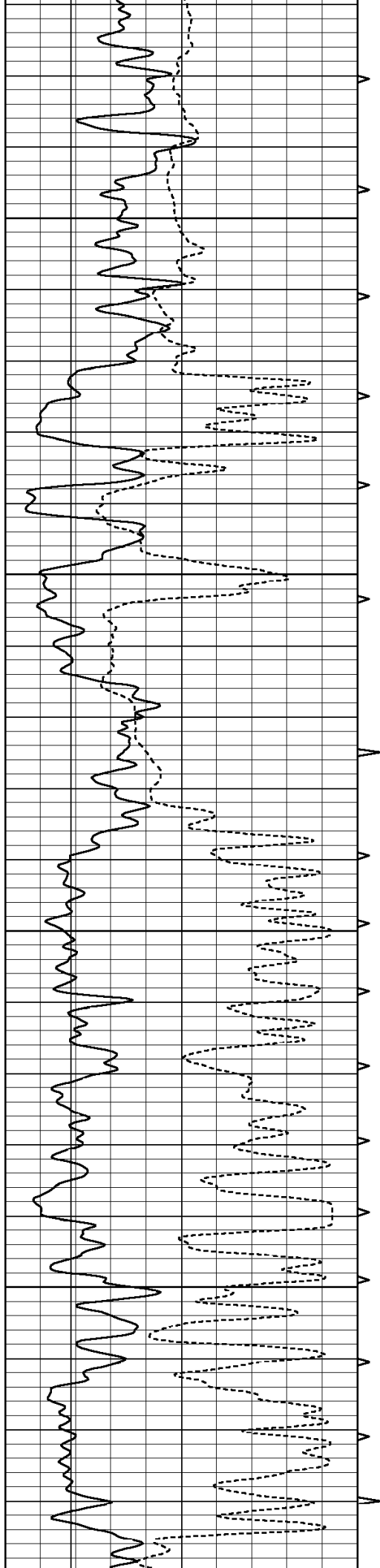
|   |                  |     |            |     |                      |     |
|---|------------------|-----|------------|-----|----------------------|-----|
| 0 | GAMMA RAY (GAPI) | 150 | ABHV       | 140 | DELTA TIME (usec/ft) | 40  |
| 6 | CALIPER (in)     | 16  | 10 (ft3) 0 | 30  | SONIC POROSITY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

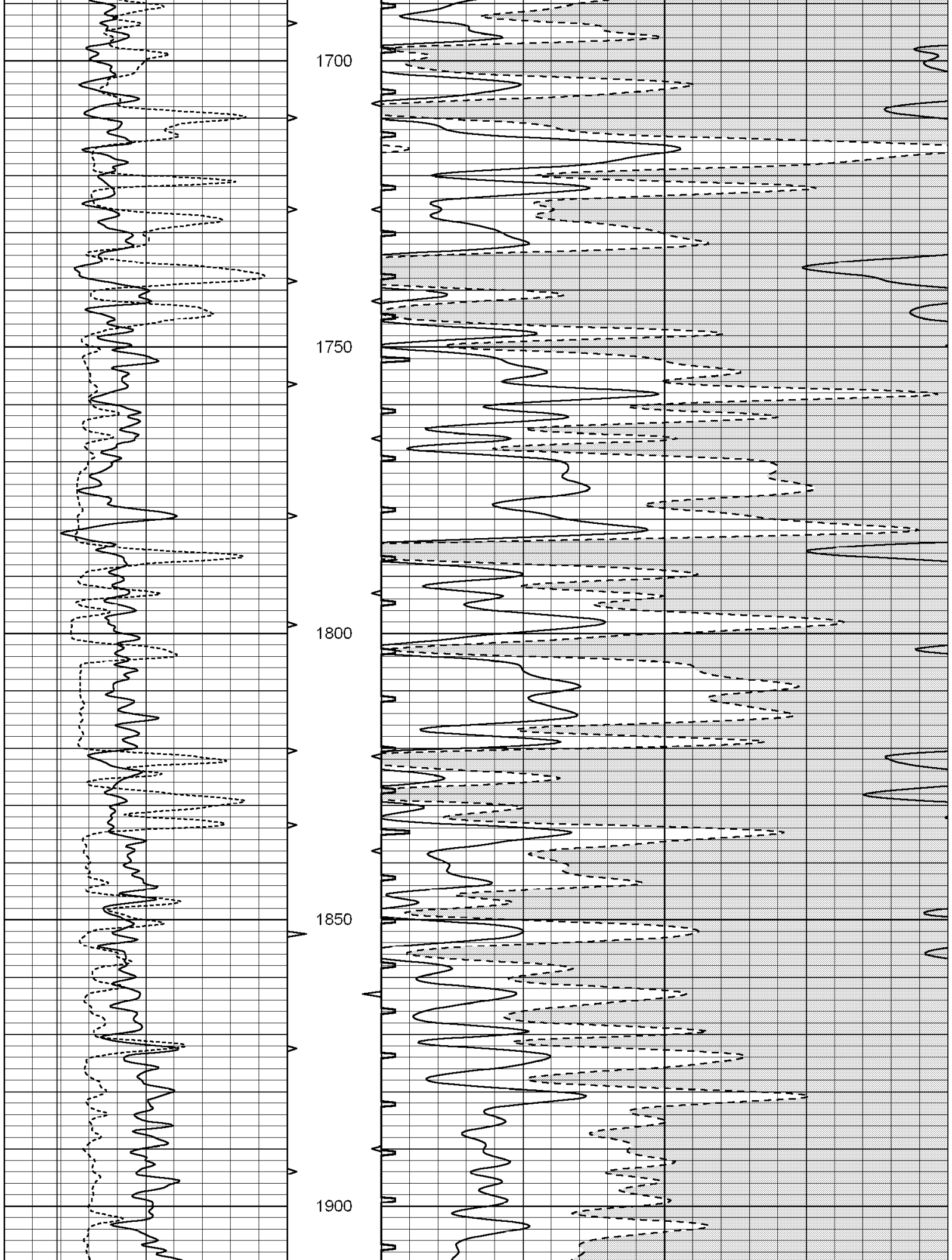


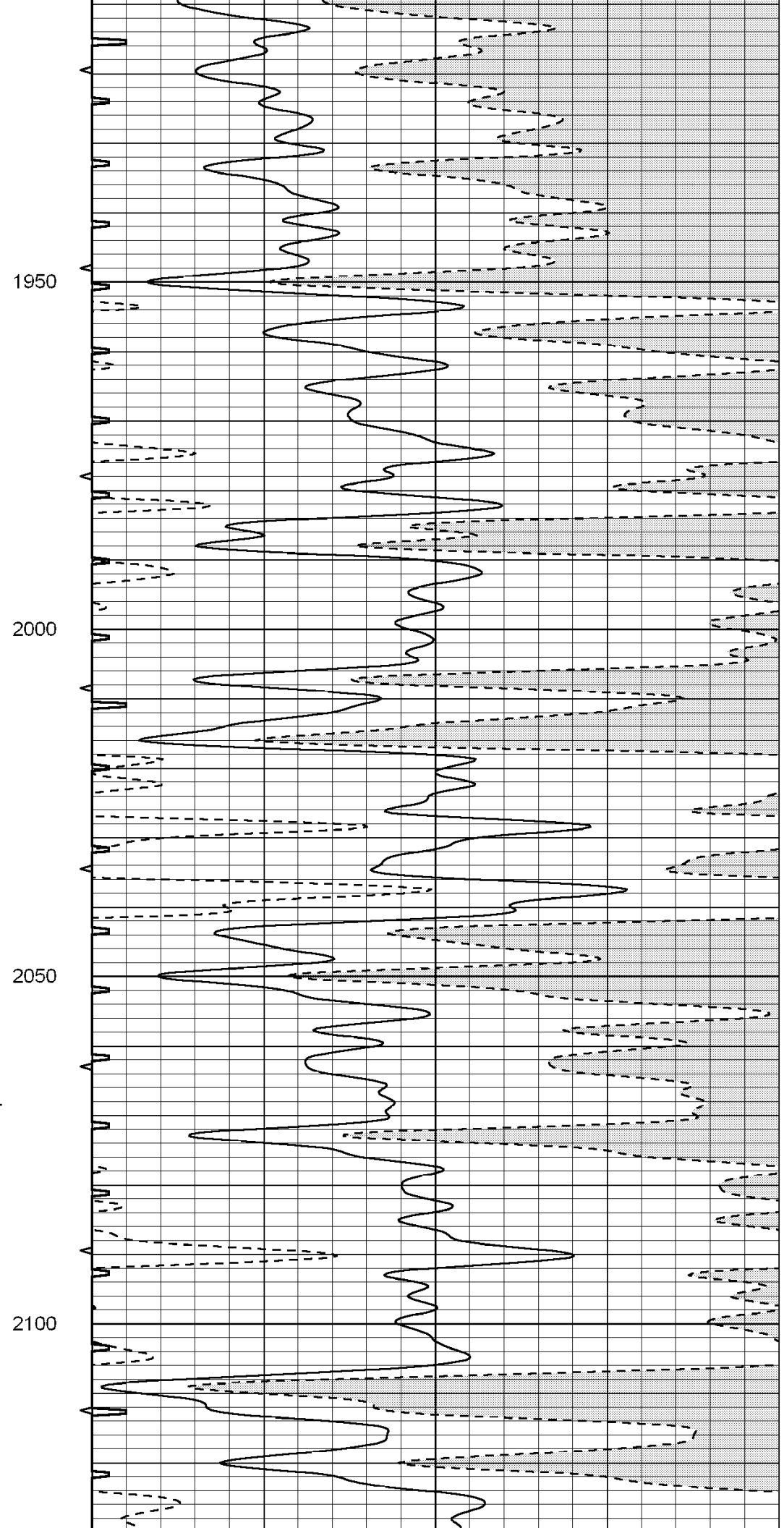
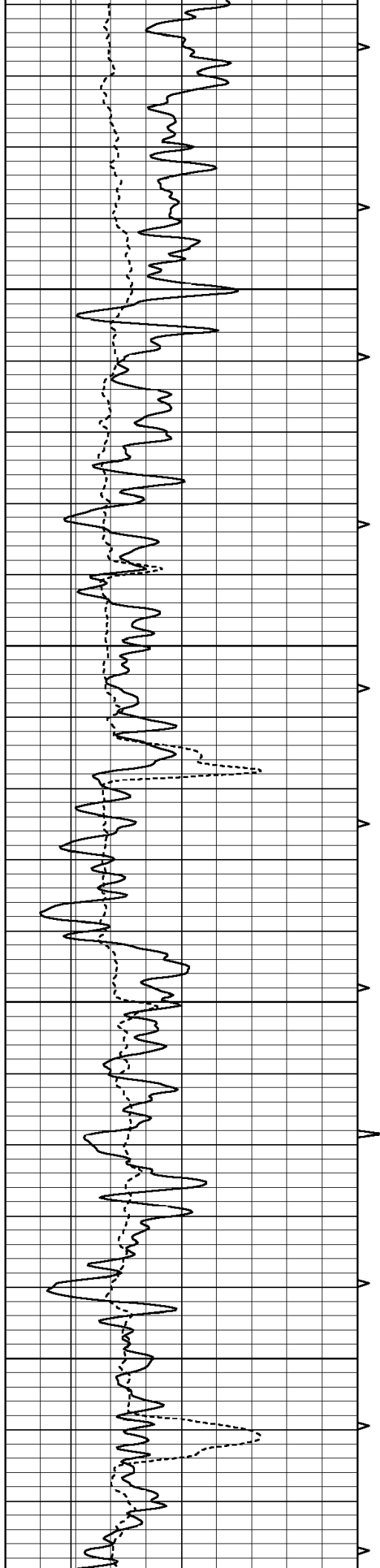




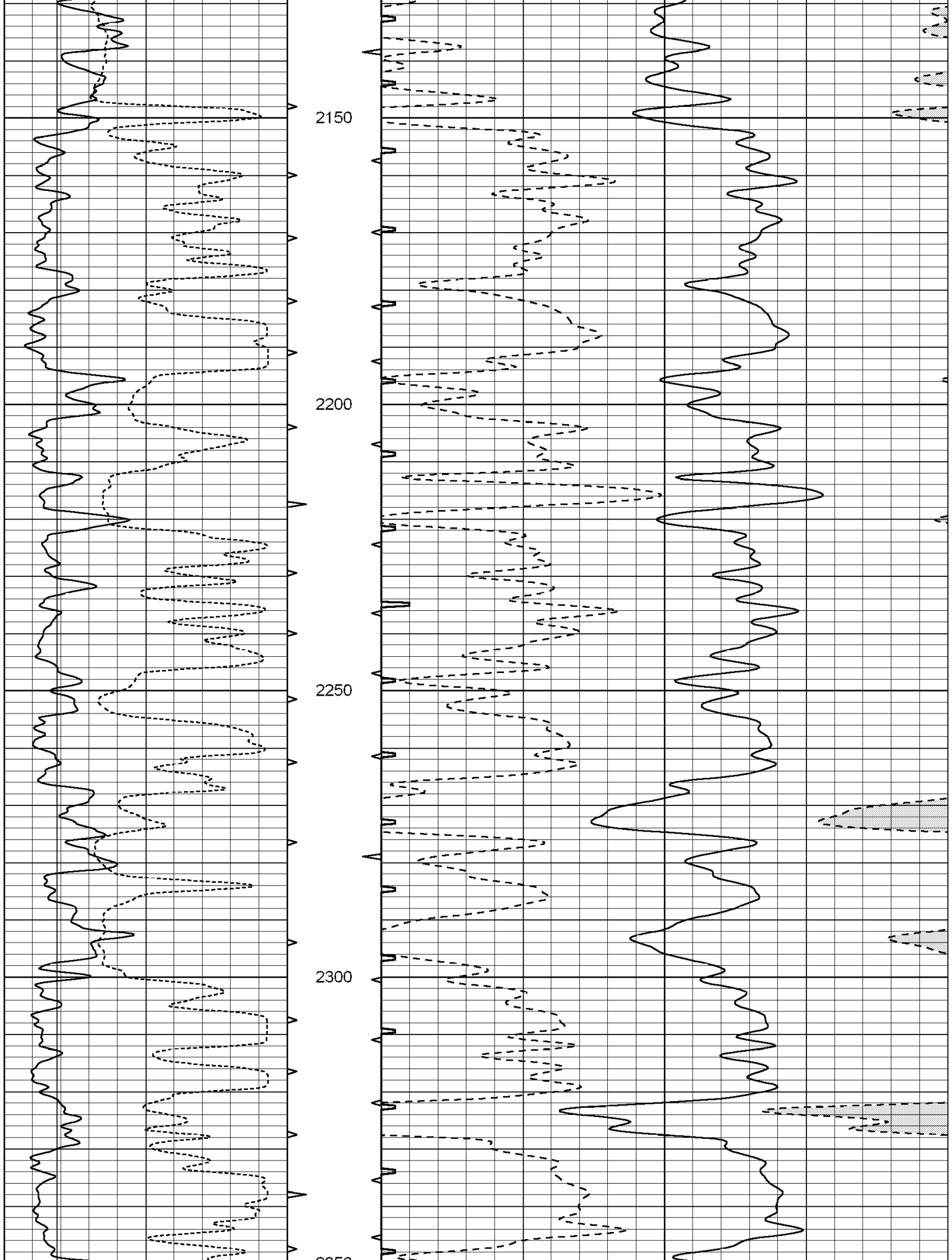


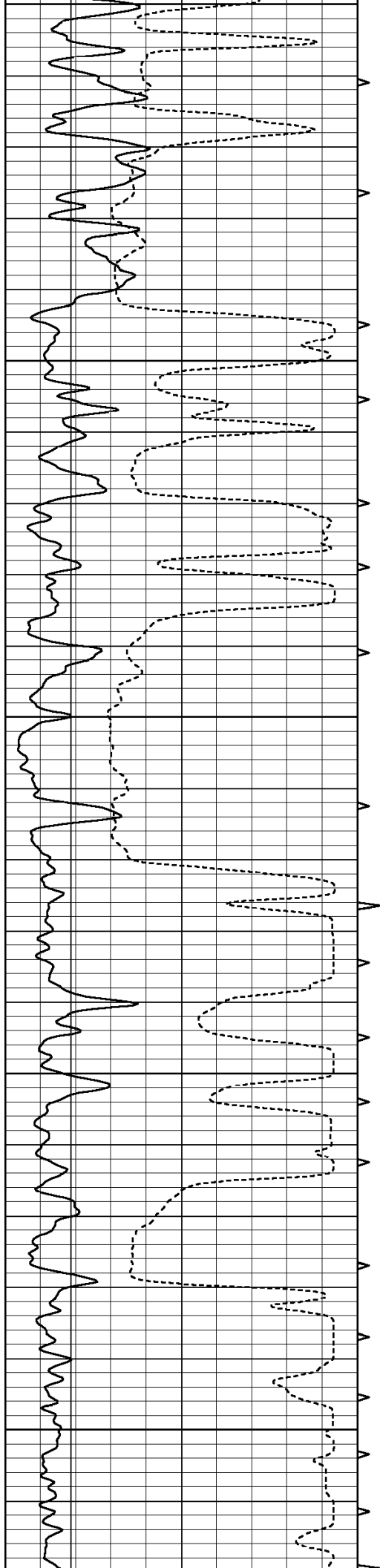












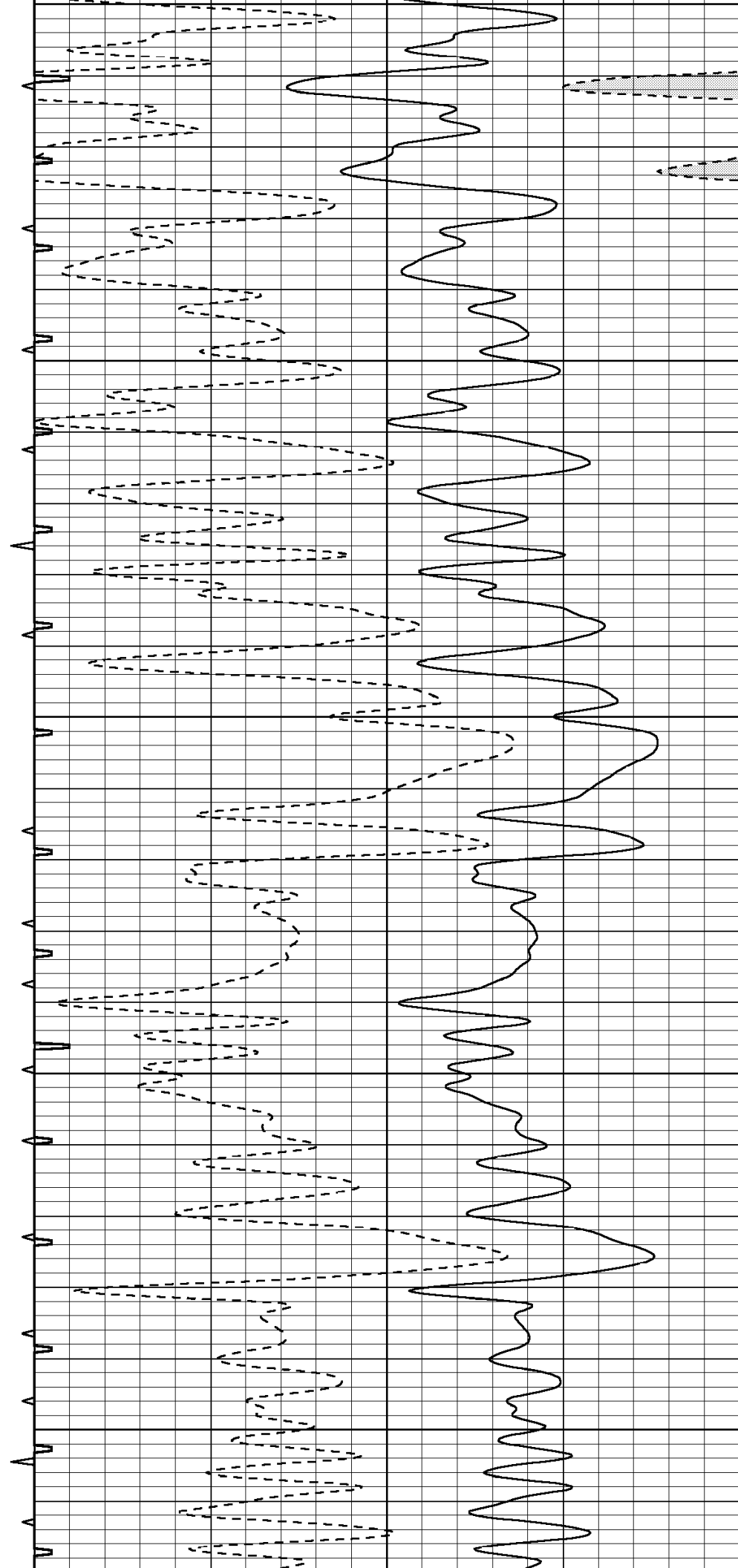
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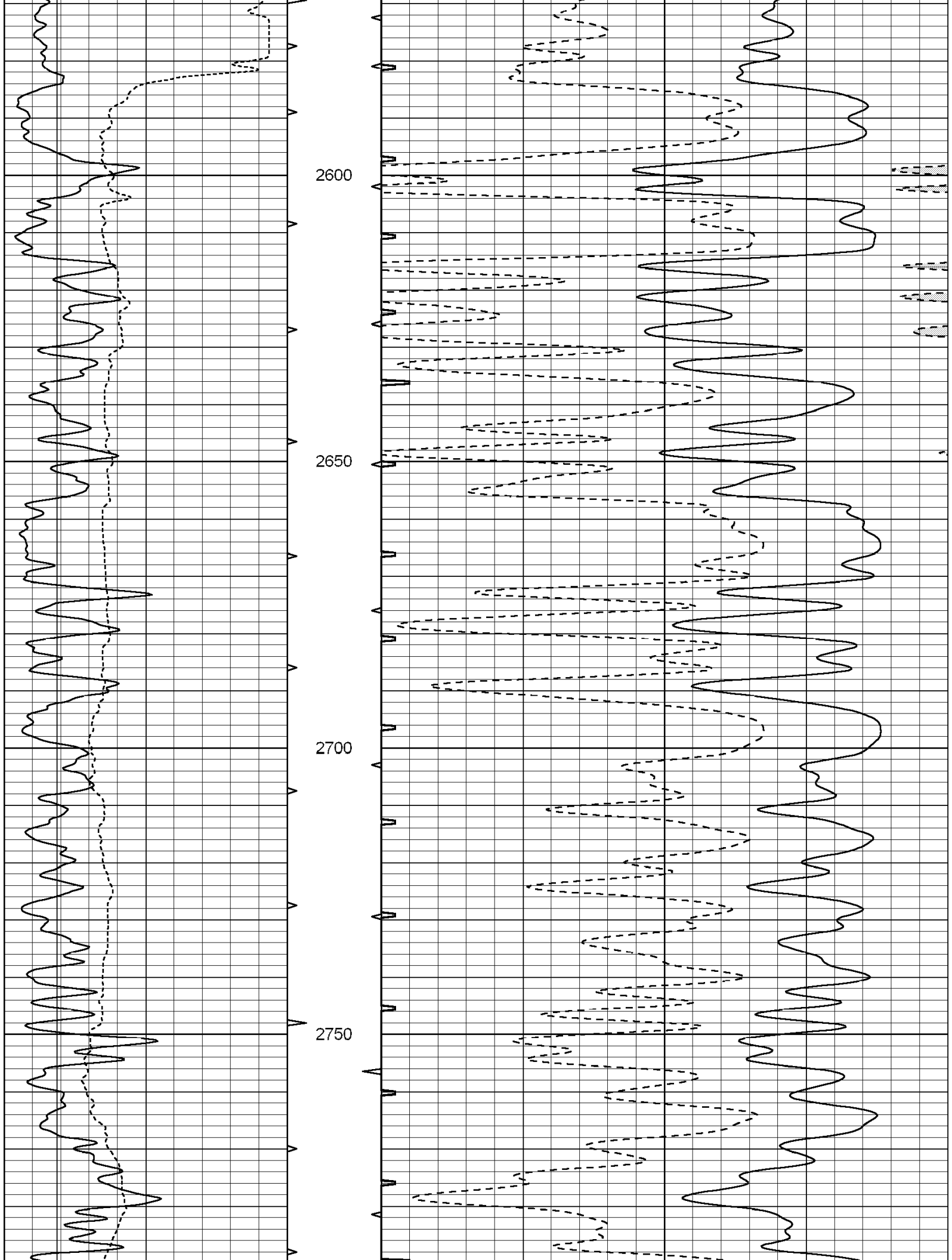
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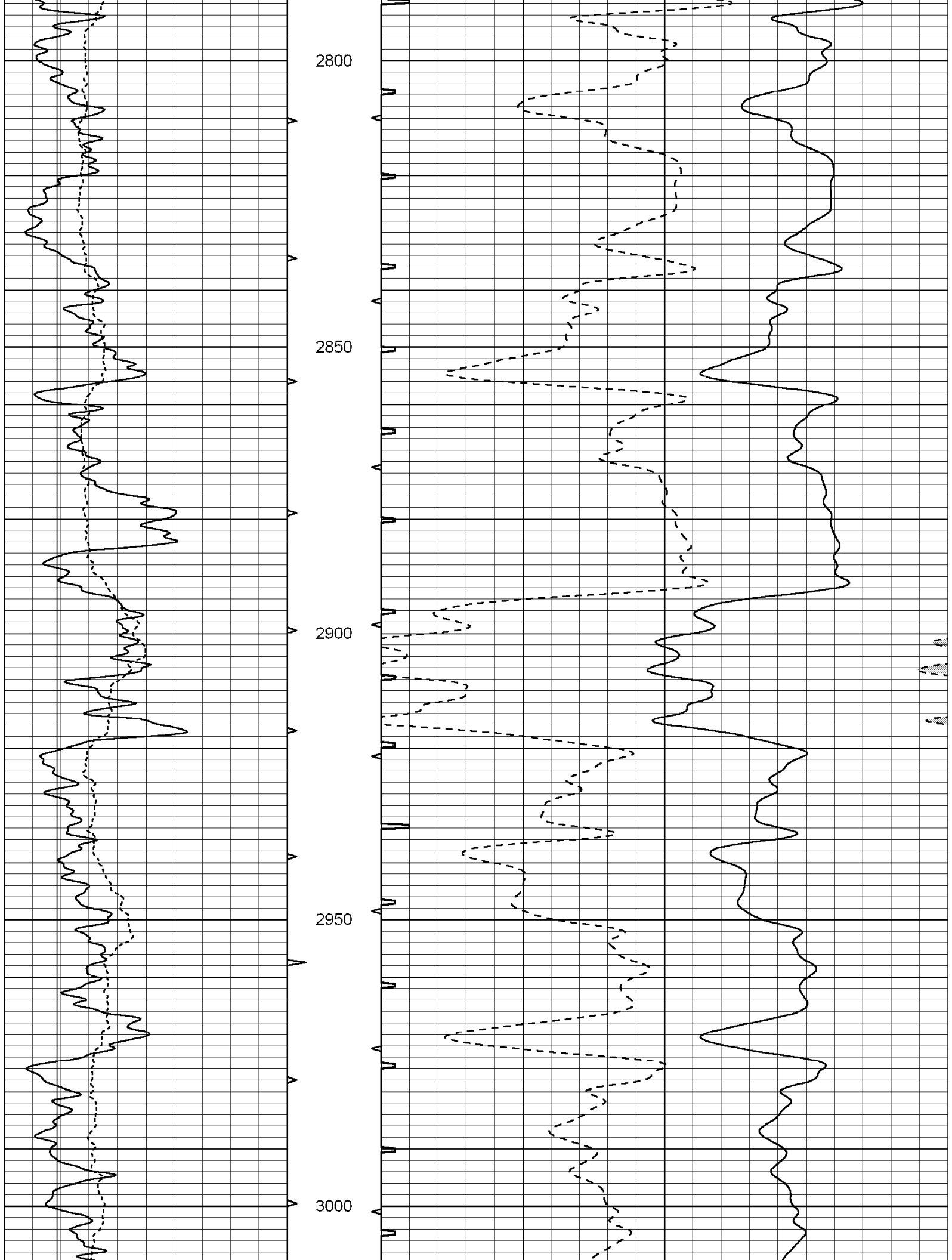
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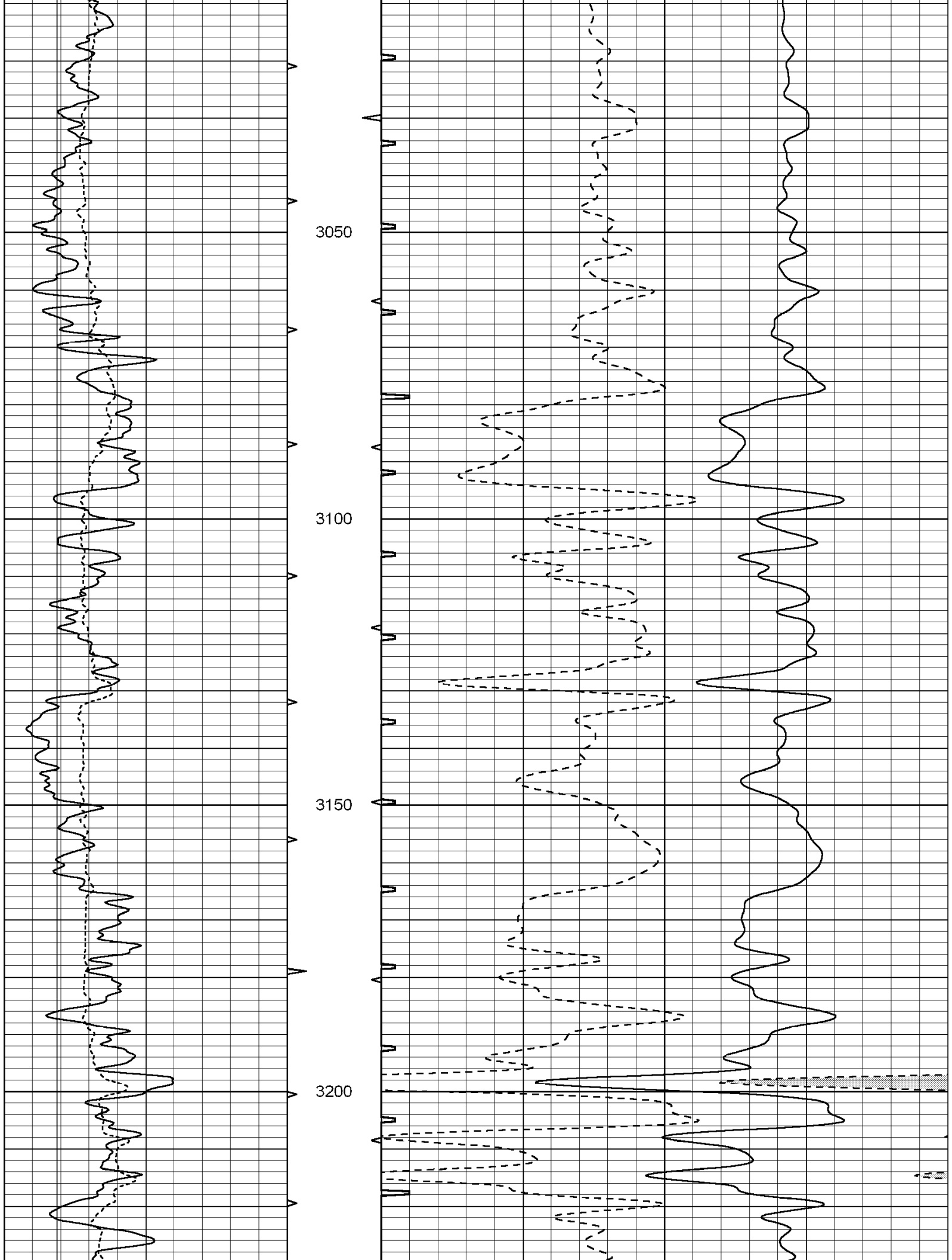
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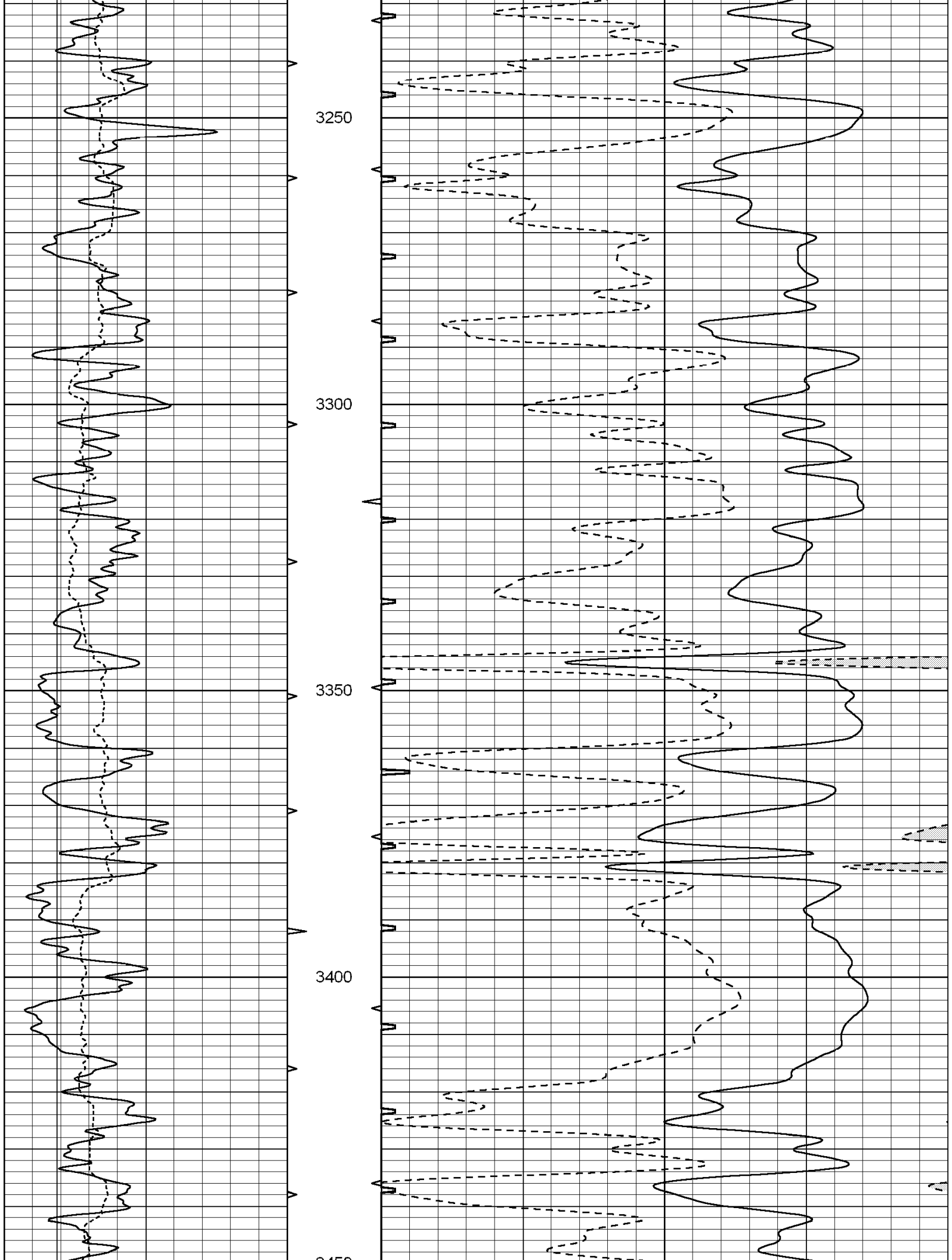
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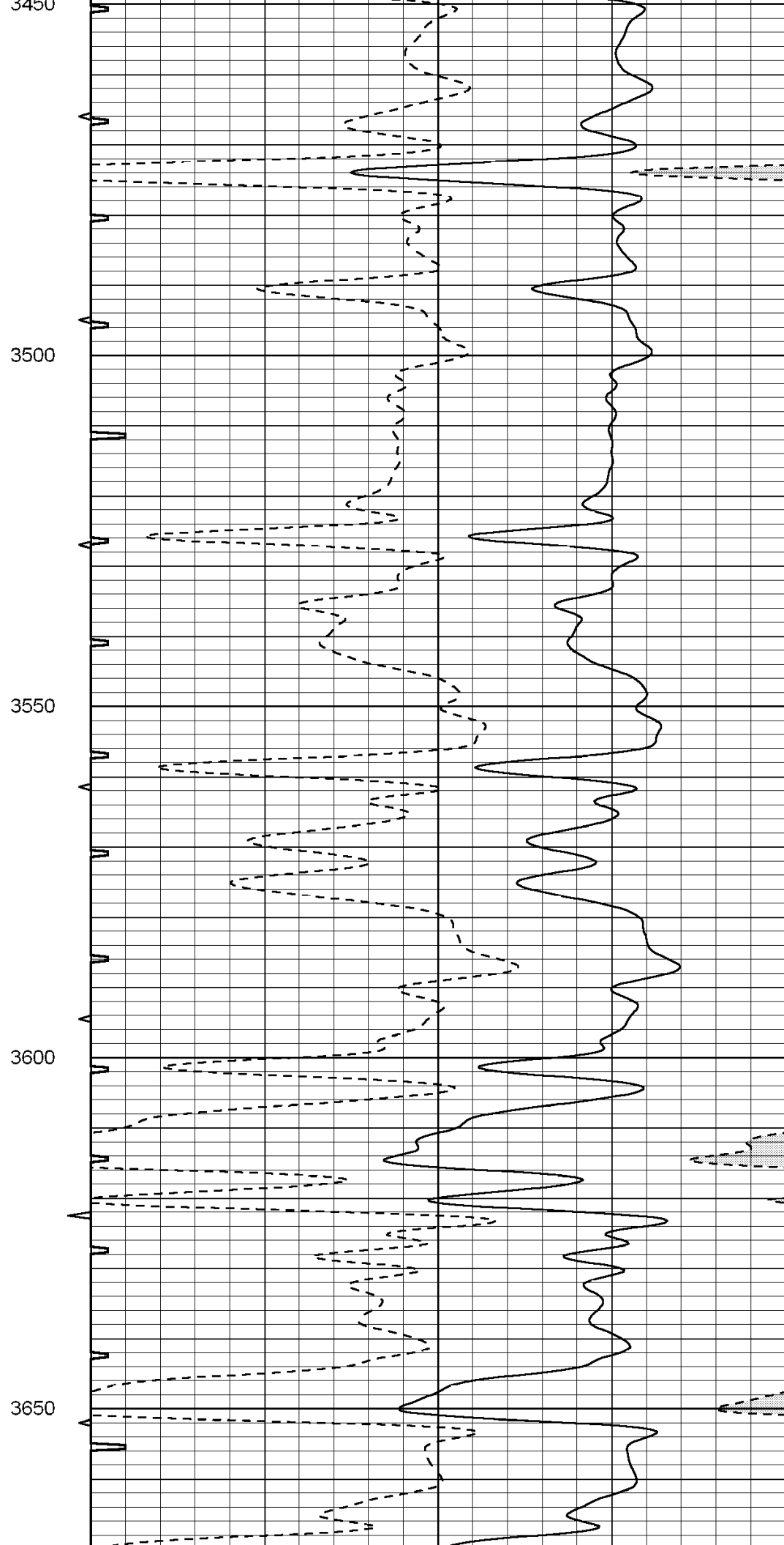
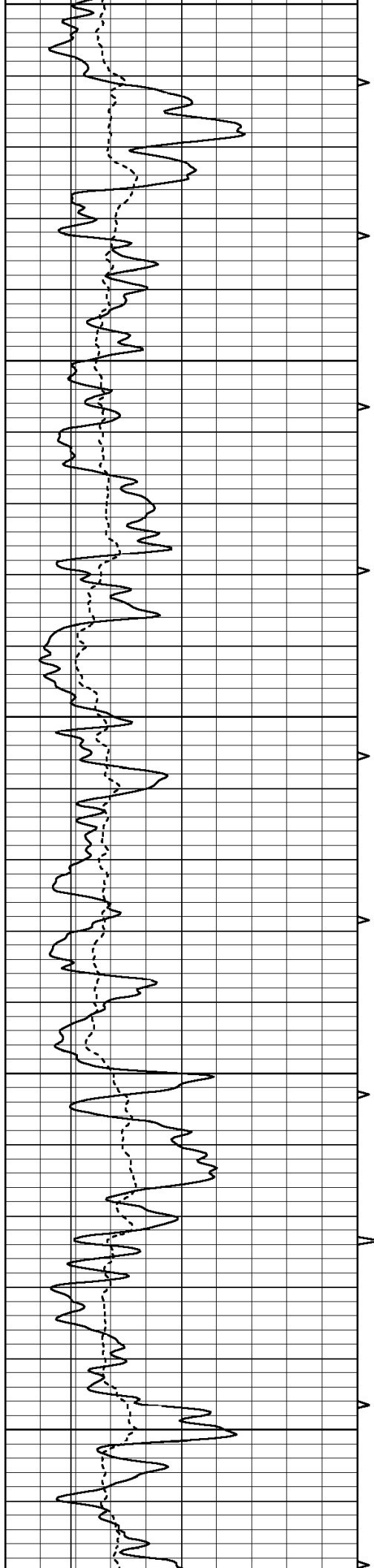


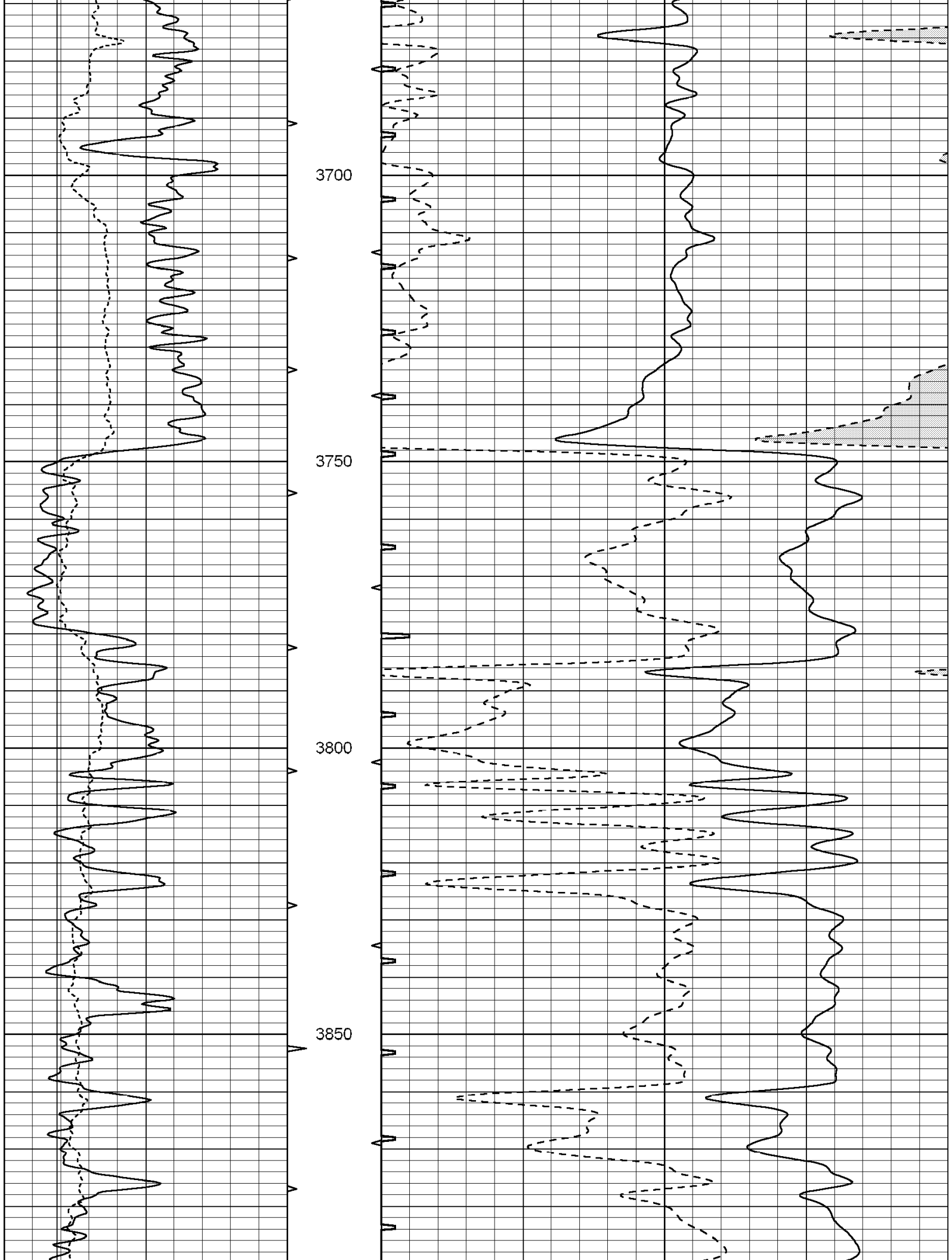




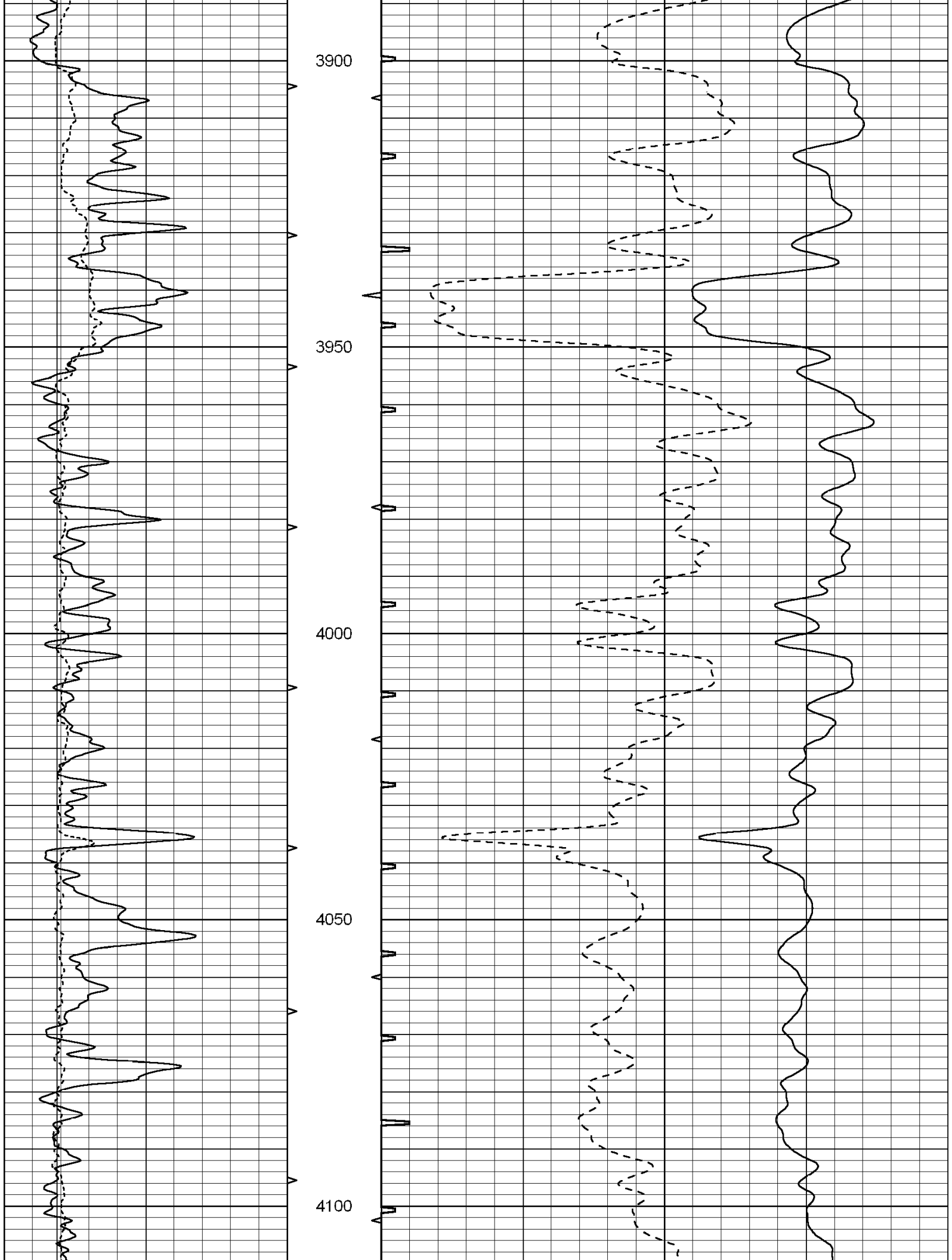


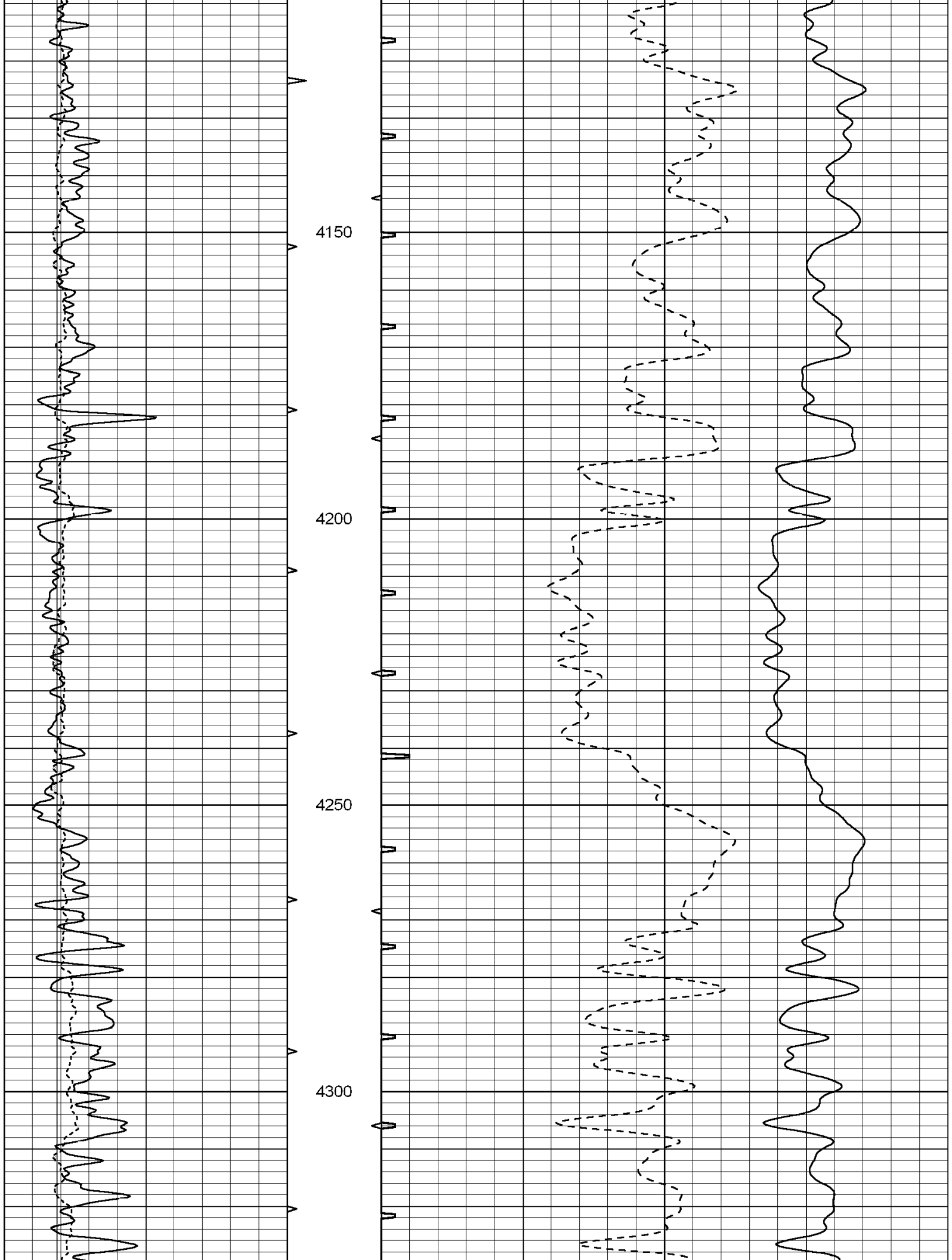


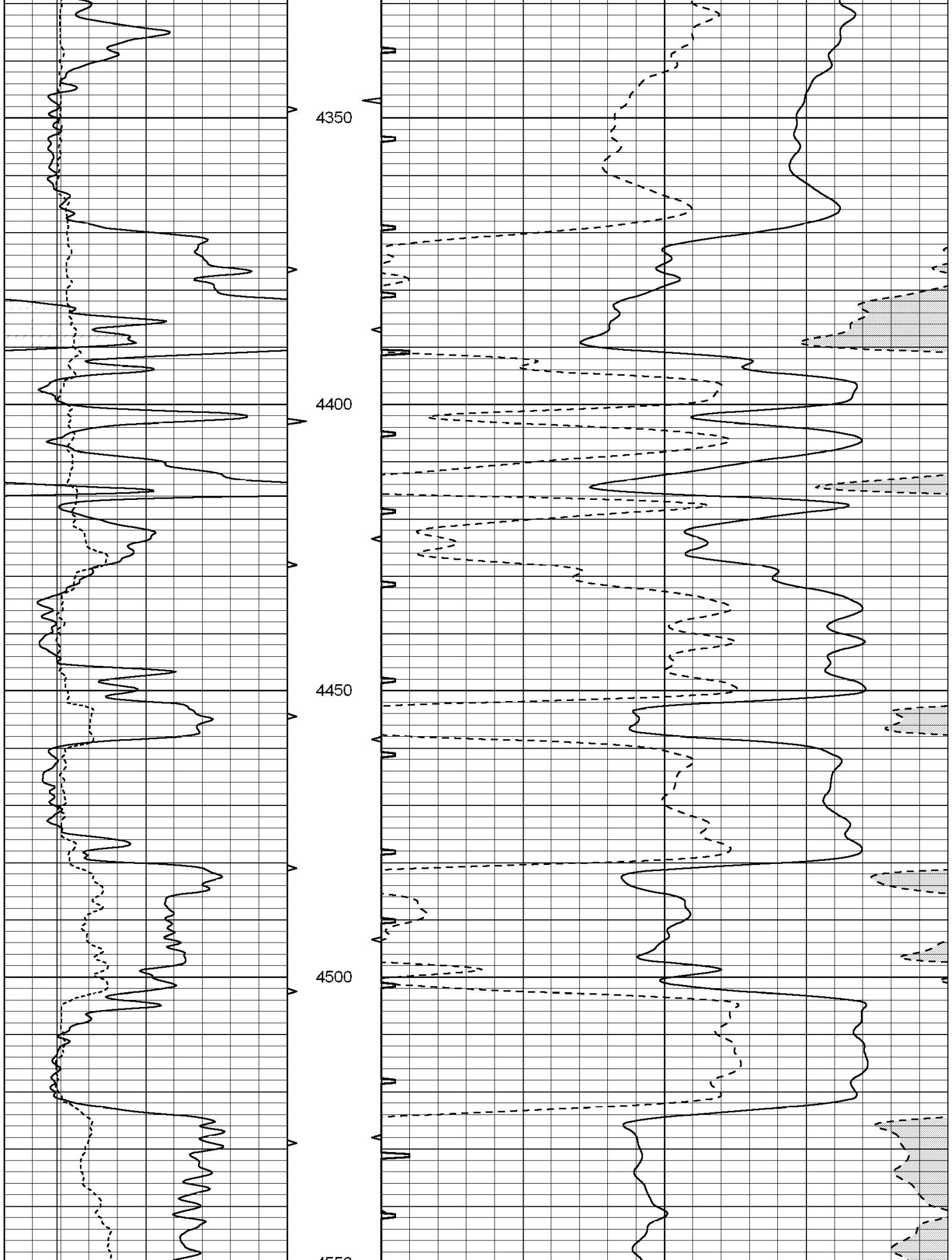


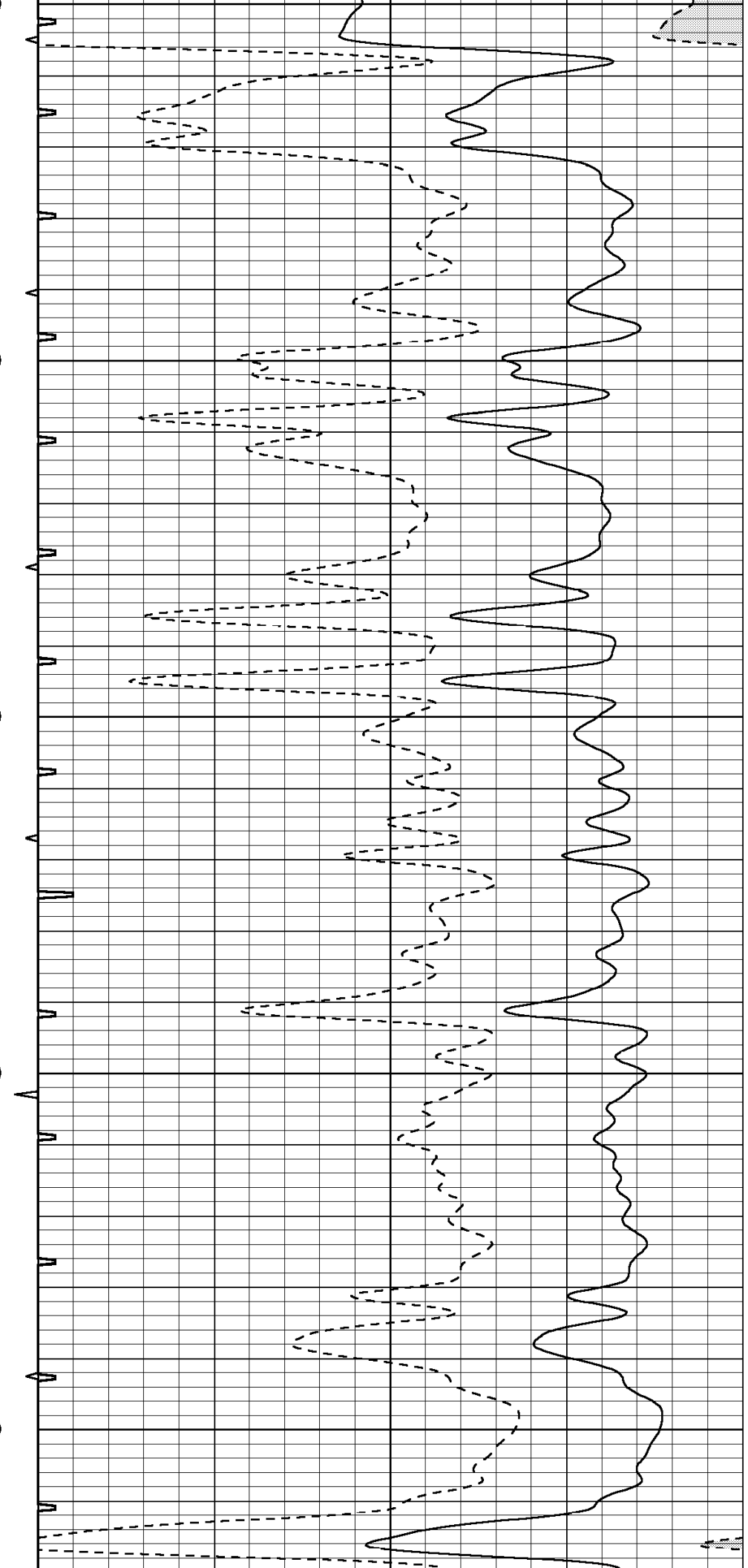
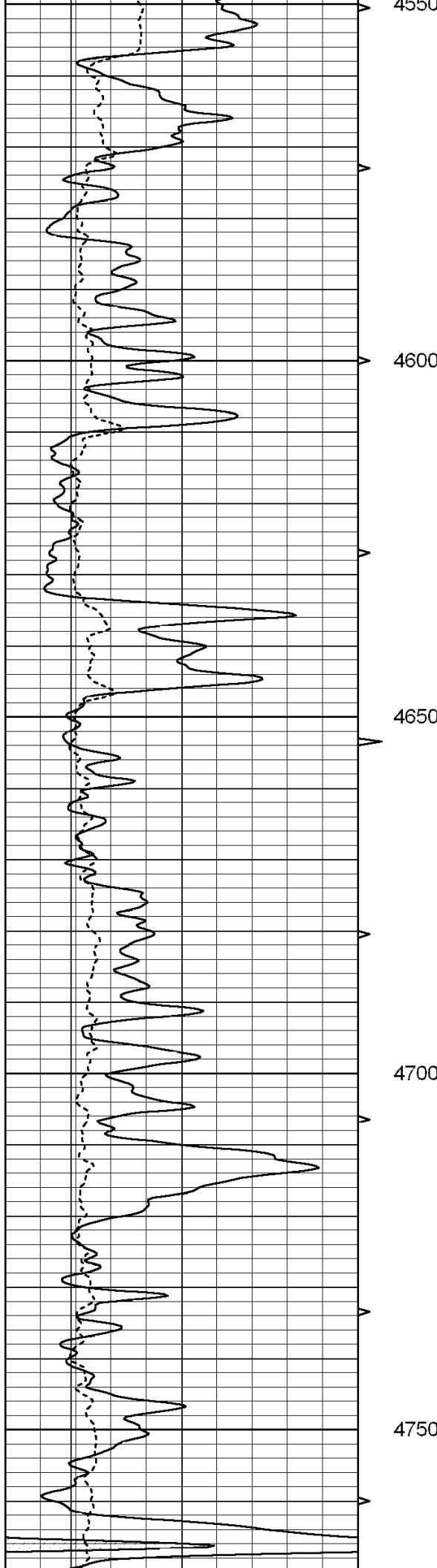


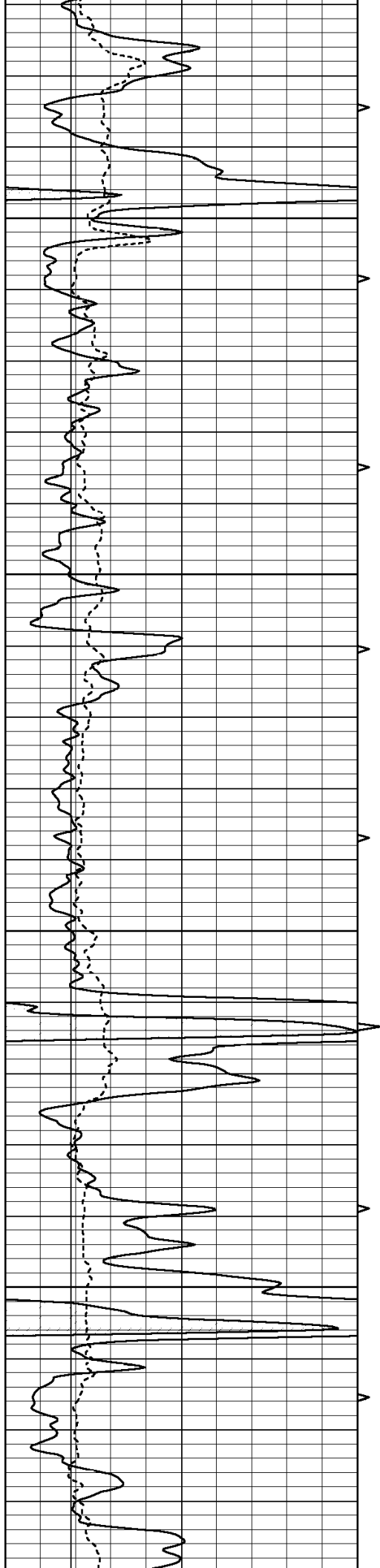










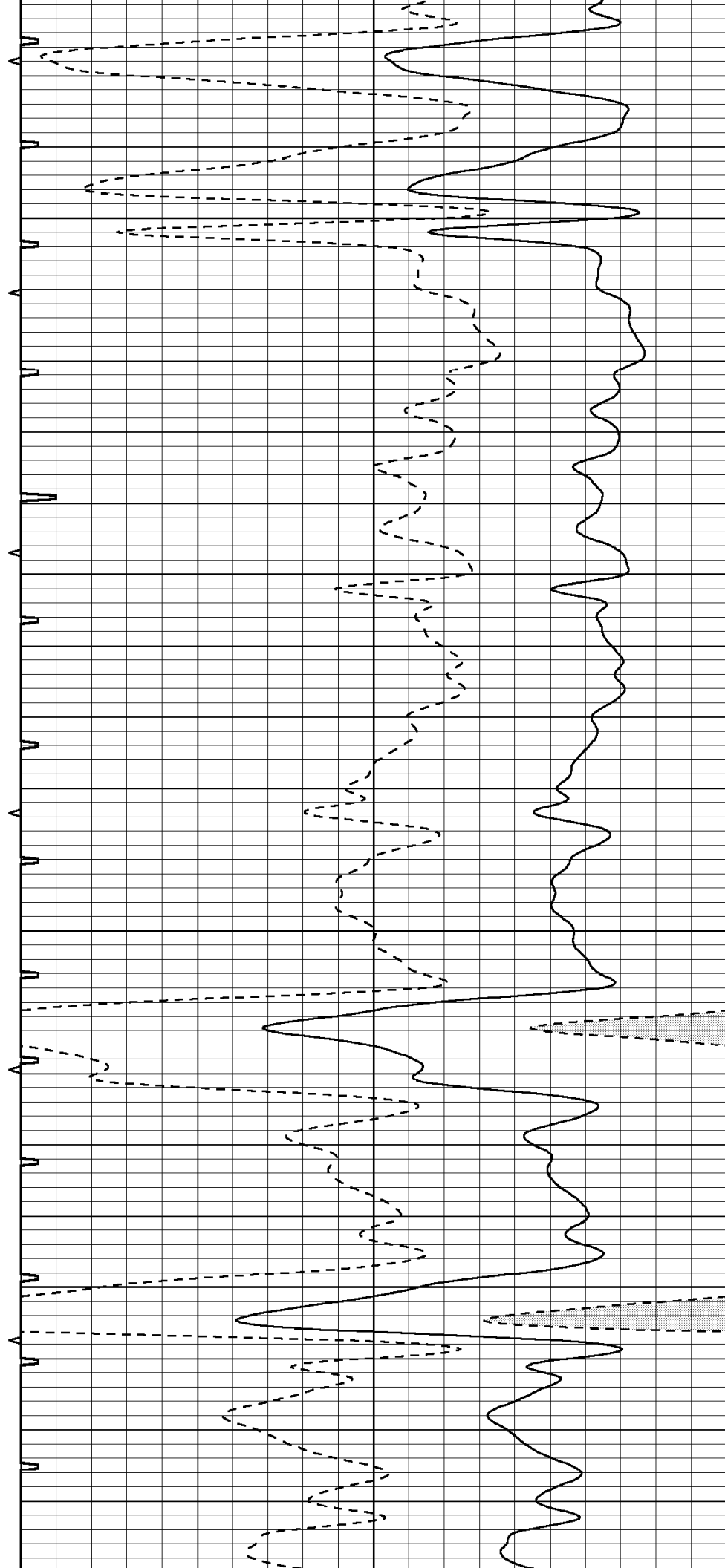


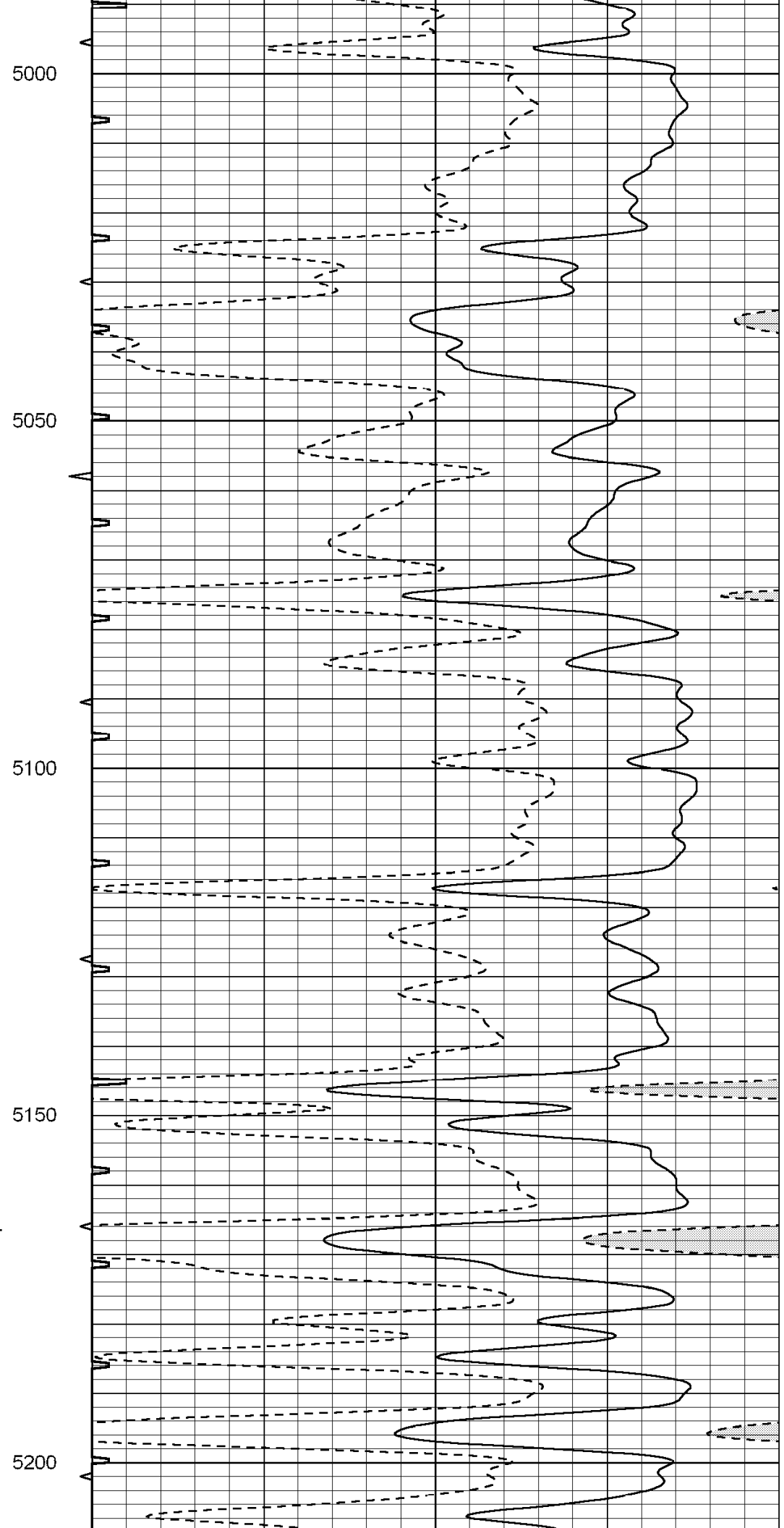
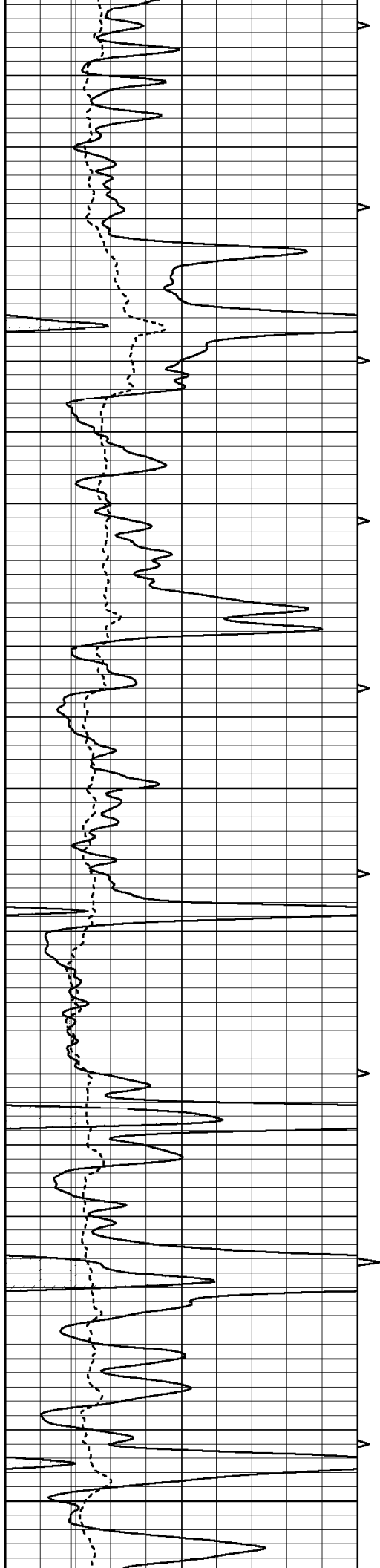
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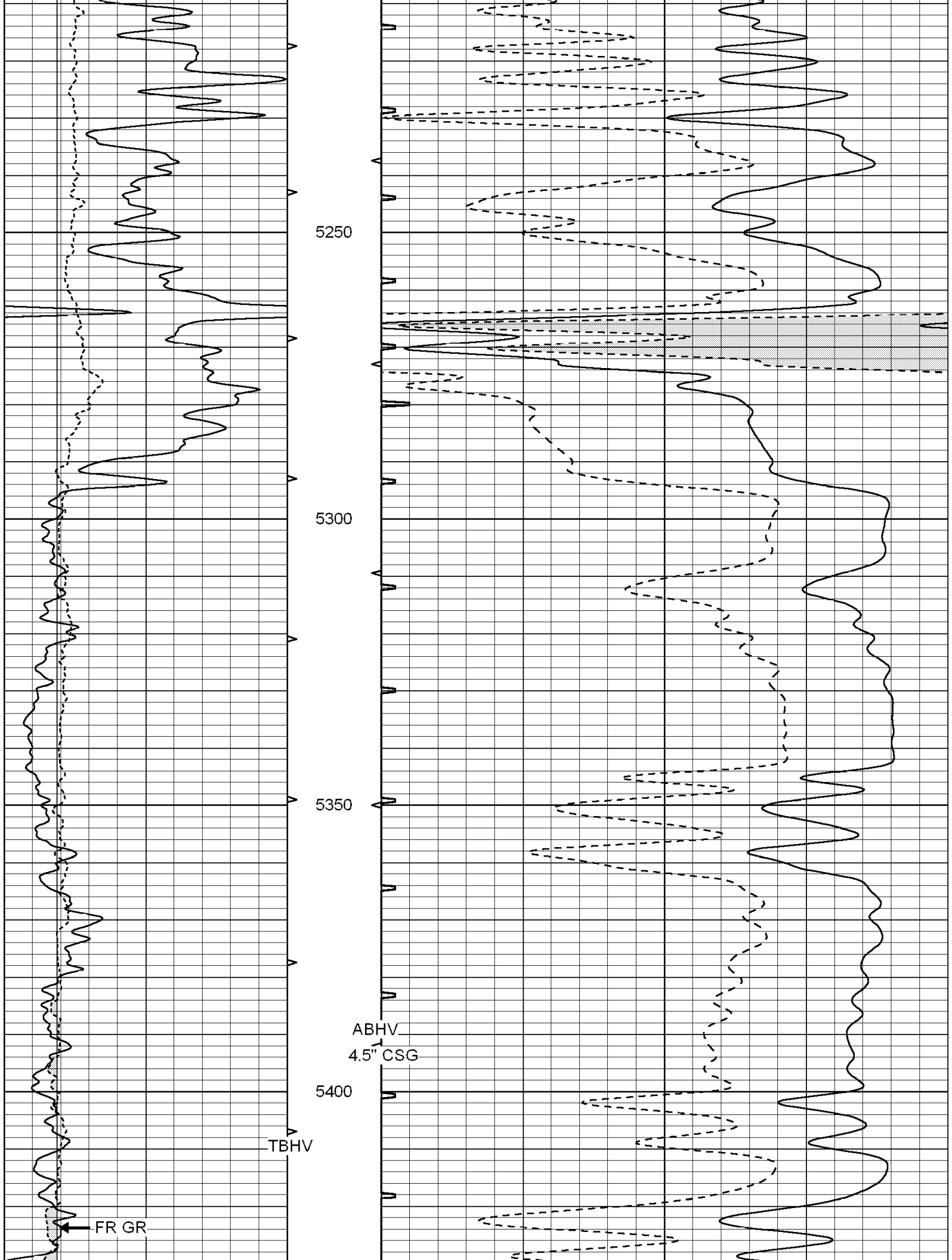
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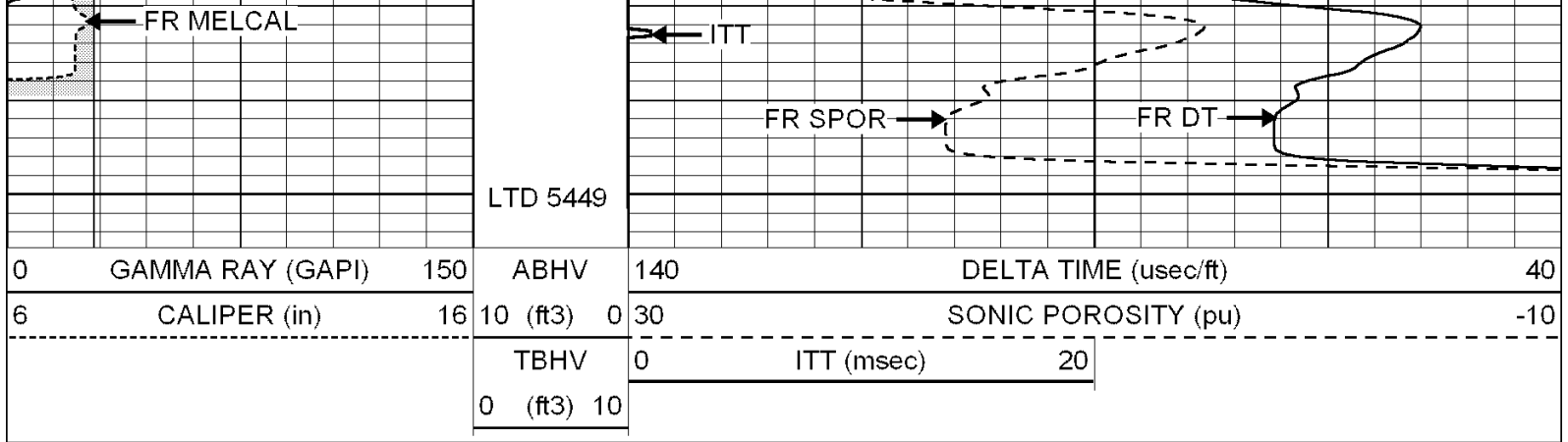
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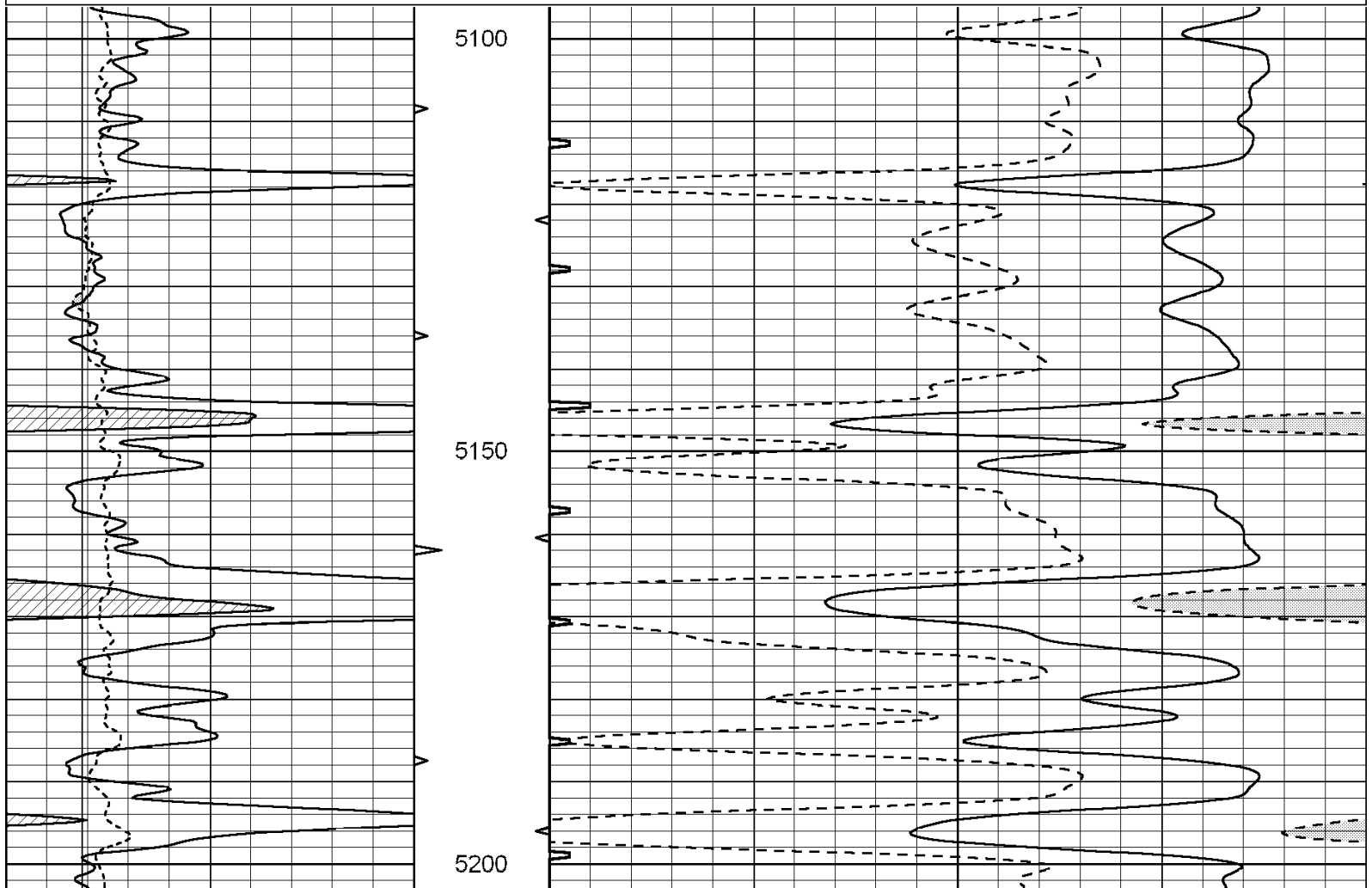
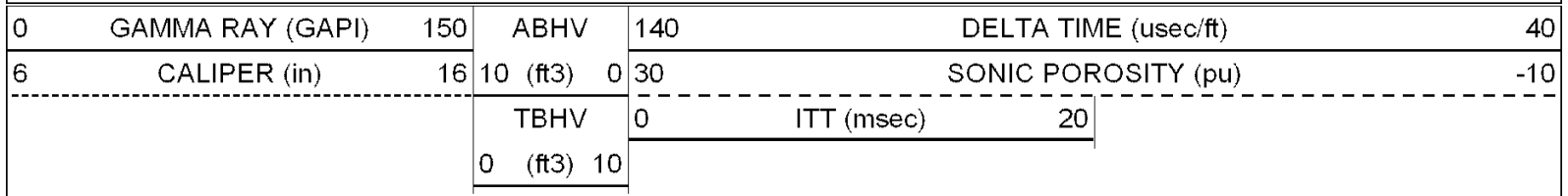




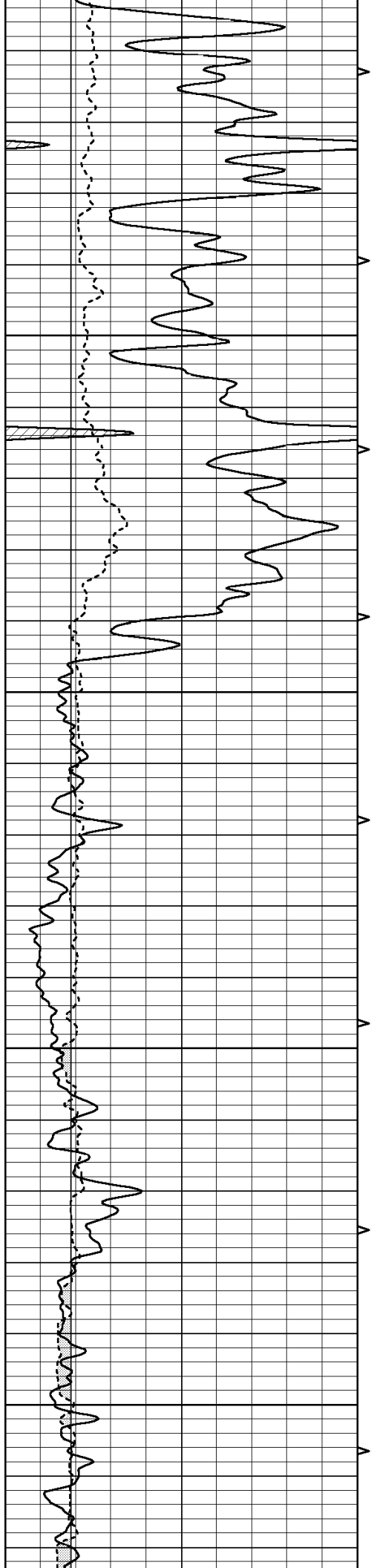
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# REPEAT SECTION

Database File: 003701pe.db  
 Dataset Pathname: pass5.5  
 Presentation Format: \_slt  
 Dataset Creation: Tue Mar 17 18:05:34 2009 by Calc Open-Cased 070814  
 Charted by: Depth in Feet scaled 1:240





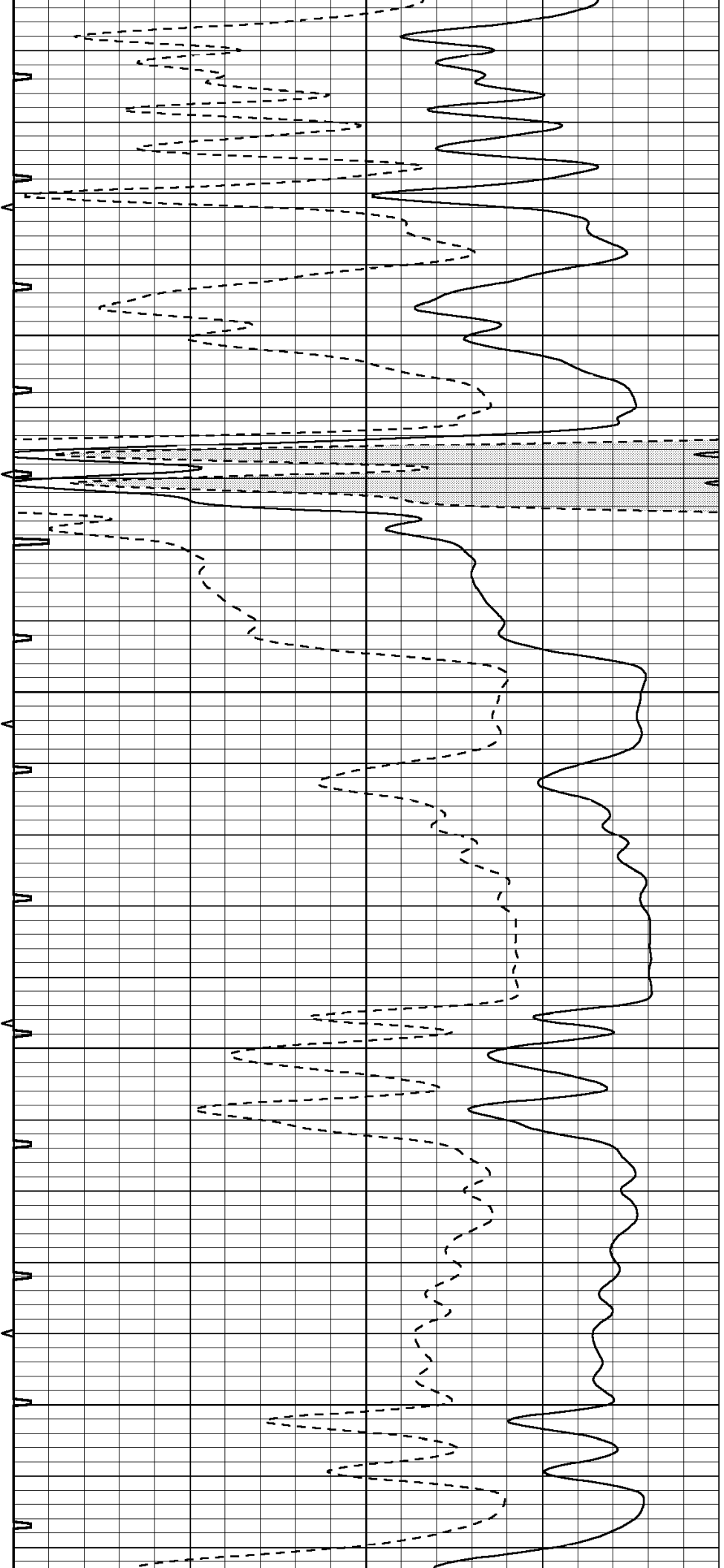


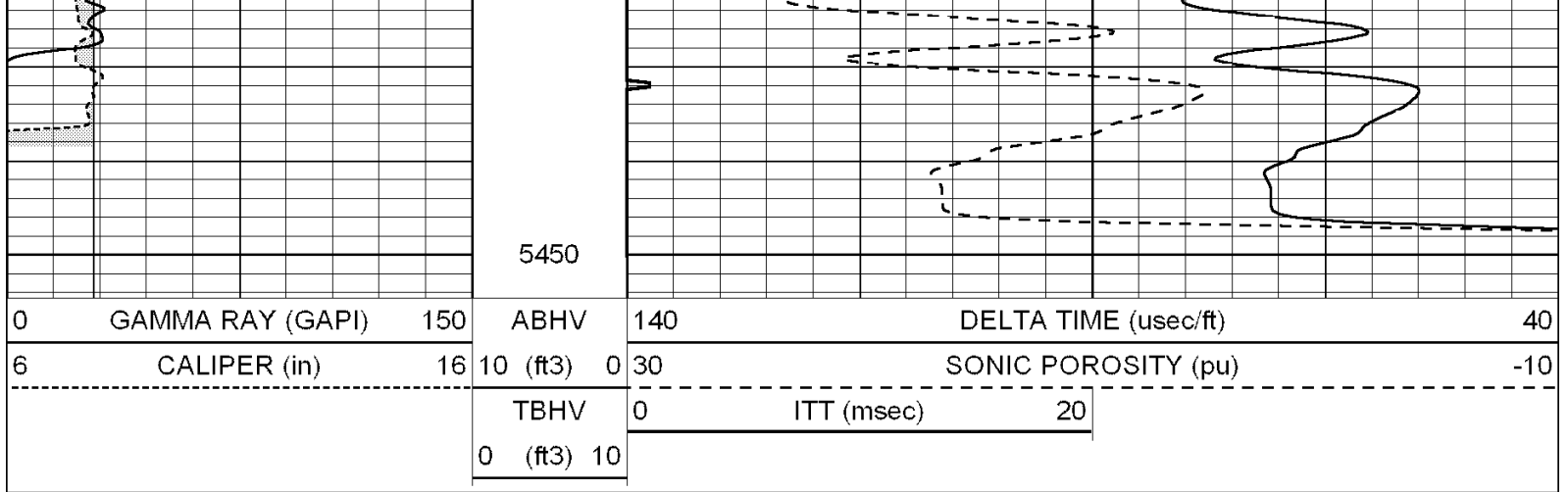
5250

5300

5350

5400





### Calibration Report

Database File: 003701pe.db  
Dataset Pathname: pass6.2  
Dataset Creation: Tue Mar 17 19:06:36 2009 by Calc Open-Cased 070814

### MICRO Calibration Report

|                      |                          |               |
|----------------------|--------------------------|---------------|
| Serial Number:       | MICRO3                   |               |
| Tool Model:          | PROBE                    |               |
| Performed:           | Thu Feb 12 08:25:58 2009 |               |
| Caliper Calibration: | Gain=2.969               | Offset=-2.905 |
| References           | Low Cal                  | High Cal      |
| Readings             | 8.375                    | 13.250        |
|                      | 3.395                    | 5.037         |
| 1.5" Calibration:    | Gain=291.257             | Offset=-1.345 |
| References           | Low Cal                  | High Cal      |
| Readings             | 0.000                    | 20.000        |
|                      | 0.006                    | 0.223         |
| 2" Calibration:      | Gain=290.017             | Offset=-3.200 |
| References           | Low Cal                  | High Cal      |
| Readings             | 0.000                    | 20.000        |
|                      | 0.009                    | 0.177         |

### Gamma Ray Calibration Report

|                     |                          |          |
|---------------------|--------------------------|----------|
| Serial Number:      | GR6                      |          |
| Tool Model:         | OPEN                     |          |
| Performed:          | Tue Mar 17 14:17:32 2009 |          |
| Calibrator Value:   | 150.0                    | GAPI     |
| Background Reading: | 0.0                      | cps      |
| Calibrator Reading: | 276.0                    | cps      |
| Sensitivity:        | 0.5835                   | GAPI/cps |