



Radial Cement Bond  
Gamma Ray  
Casing Collar Log

|                        |                |                        |  |
|------------------------|----------------|------------------------|--|
| Company                |                | TEP Rocky Mountain LLC |  |
| Well                   |                | Federal WMC 332-20     |  |
| Field                  |                | Rulison                |  |
| County                 |                | Garfield               |  |
| State                  |                | Colorado               |  |
| Location:              |                | API # : 05-045-24491   |  |
| SEC 17 TWP 7S RGE 93W  |                | Other Services         |  |
| Permanent Datum        |                | Ground Level           | Elevation                                    |
| Log Measured From      |                | Kelly Bushing          | 8868 FT                                      |
| Drilling Measured From |                | Kelly Bushing          | K.B. 8898 FT<br>D.F. 8898 FT<br>G.L. 8868 FT |
| Date                   | 04-JAN-2023    |                        |  |
| Run Number             | One            |                        |  |
| Depth Driller          | 11326 FT       |                        |  |
| Depth Logger           | 11207 FT       |                        |  |
| Bottom Logged Interval | 11199 FT       |                        |  |
| Top Log Interval       | Surface        |                        |  |
| Open Hole Size         | 8.75"          |                        |  |
| Type Fluid             | Water          |                        |  |
| Density / Viscosity    | 8.34 Lb/Gal    |                        |  |
| Max. Recorded Temp.    | 260°F          |                        |  |
| Estimated Cement Top   | See Log        |                        |  |
| Time Well Ready        | ROA            |                        |  |
| Time Logger on Bottom  | 7:30           |                        |  |
| Equipment Number       | 8045           |                        |  |
| Location               | Grand Junction |                        |  |
| Recorded By            | P. Edwards     |                        |  |
| Witnessed By           | D. Welsh       |                        |  |
| Borehole Record        |                | Tubing Record          |  |
| Run Number             | Bit            | From                   | To   |
|                        |                | Size                   | Weight                                       |
|                        |                |                        | From   |
|                        |                |                        | To   |
| Casing Record          | Size           | Wgt/Ft                 | Top  |
| Surface String         | 9-5/8"         | 36                     | Surface                                      |
| Prot. String           |                |                        | 1135 FT                                      |
| Production String      | 4-1/2"         | 11.6                   | Surface                                      |
| Liner                  |                |                        | 11326 FT                                     |

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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

Log is correlated to 30' K.B.  
Marker joint logged @ 7095 FT - 7105 FT  
Log ran with 0 PSI at surface

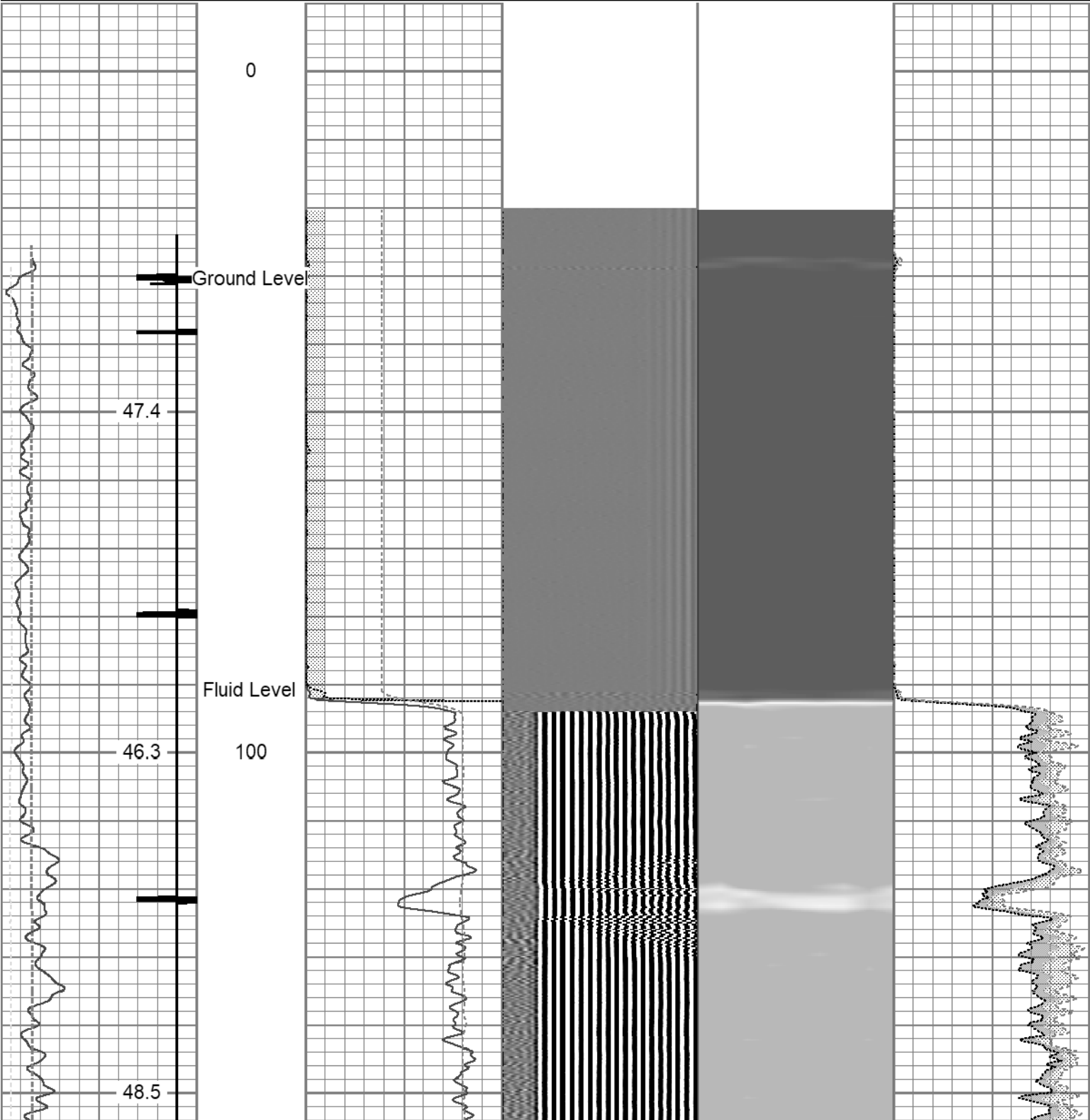
Thank you for choosing The Wireline Group!

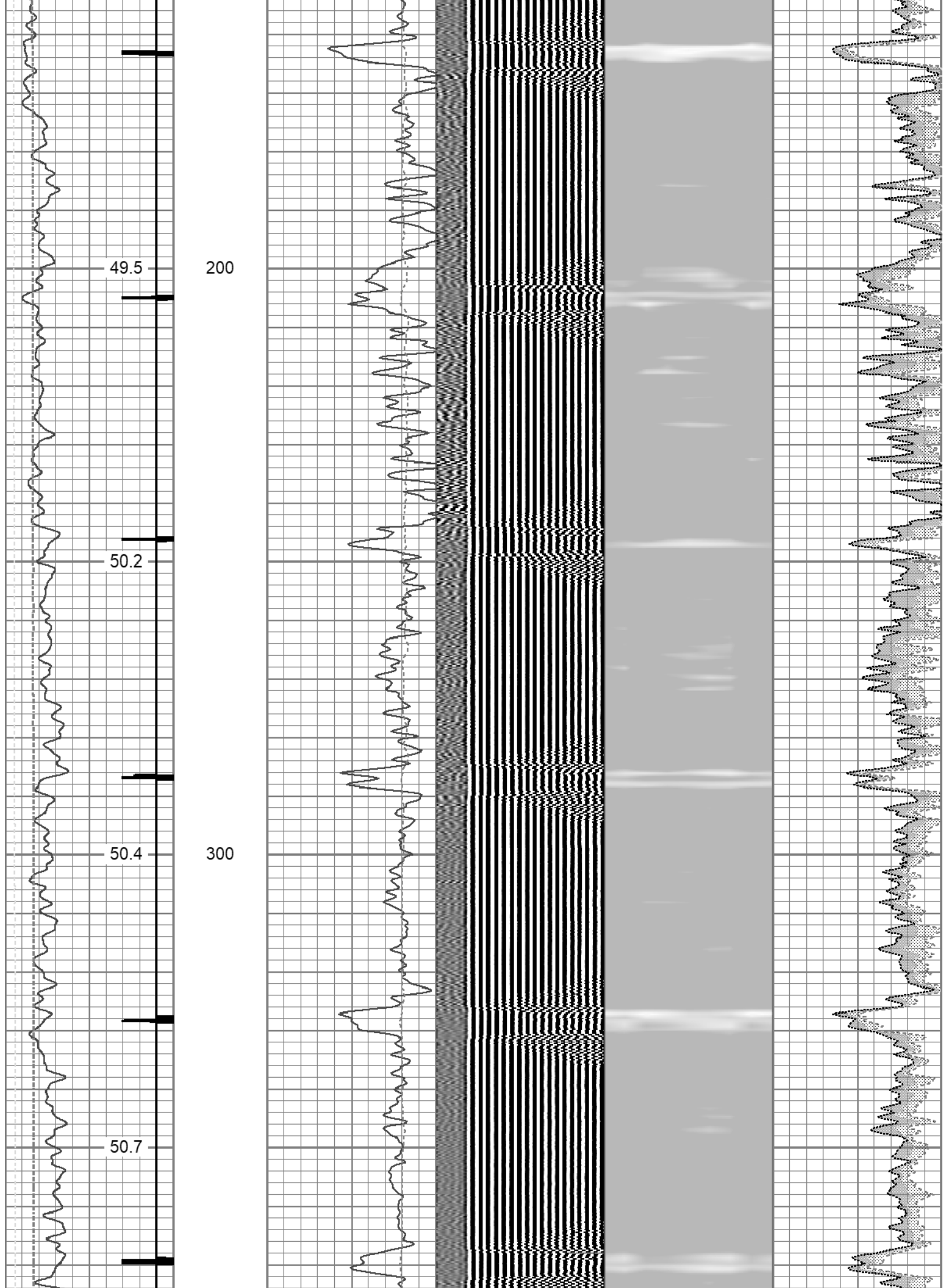


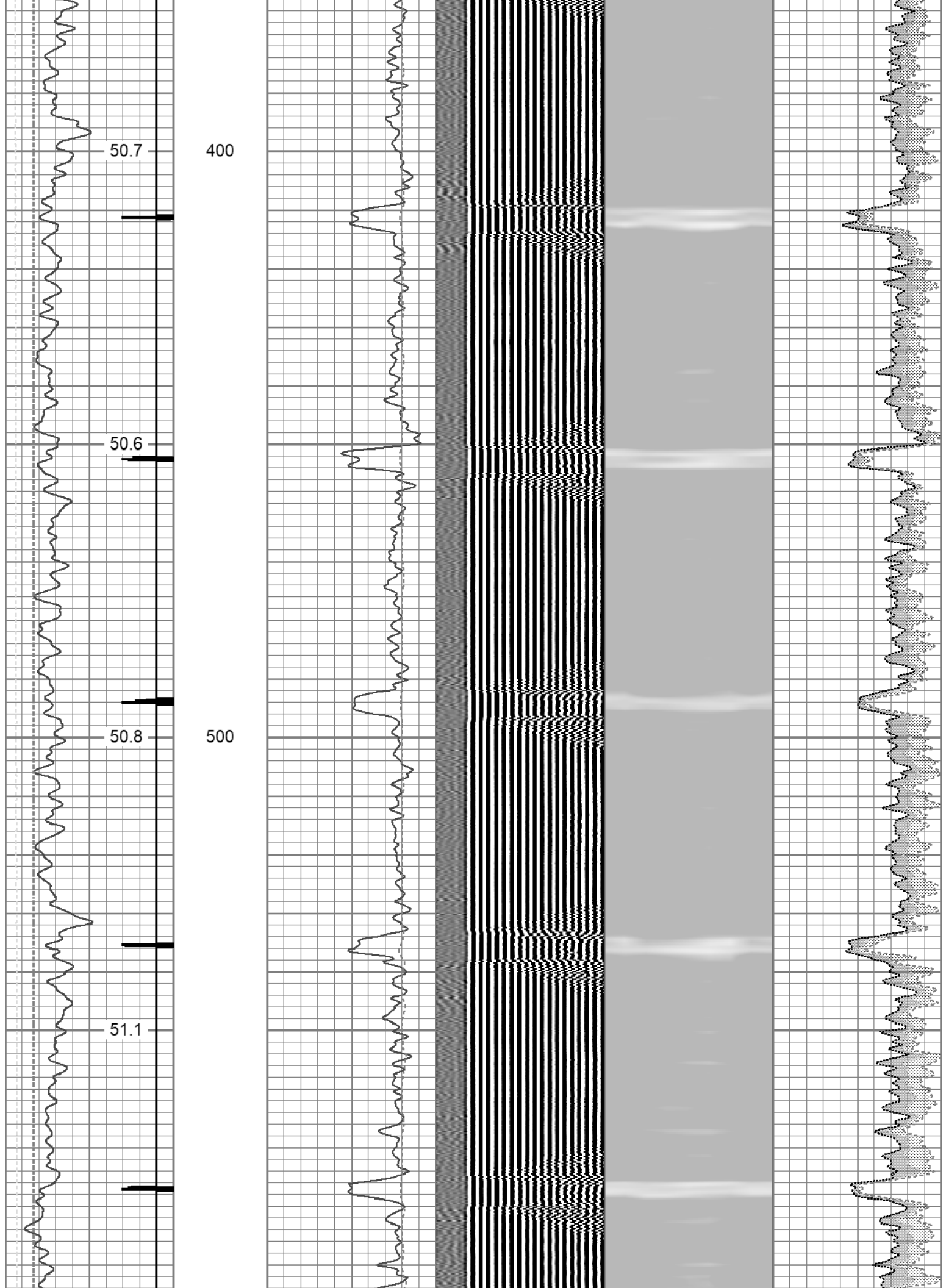
Main Pass 5" = 100'

|                     |                                     |
|---------------------|-------------------------------------|
| Database File       | tep_wmc fed 332-20_rcbl_1-4-2023.db |
| Dataset Pathname    | main                                |
| Presentation Format | twgrcbl                             |
| Dataset Creation    | Wed Jan 04 07:34:23 2023            |
| Charted by          | Depth in Feet scaled 1:240          |

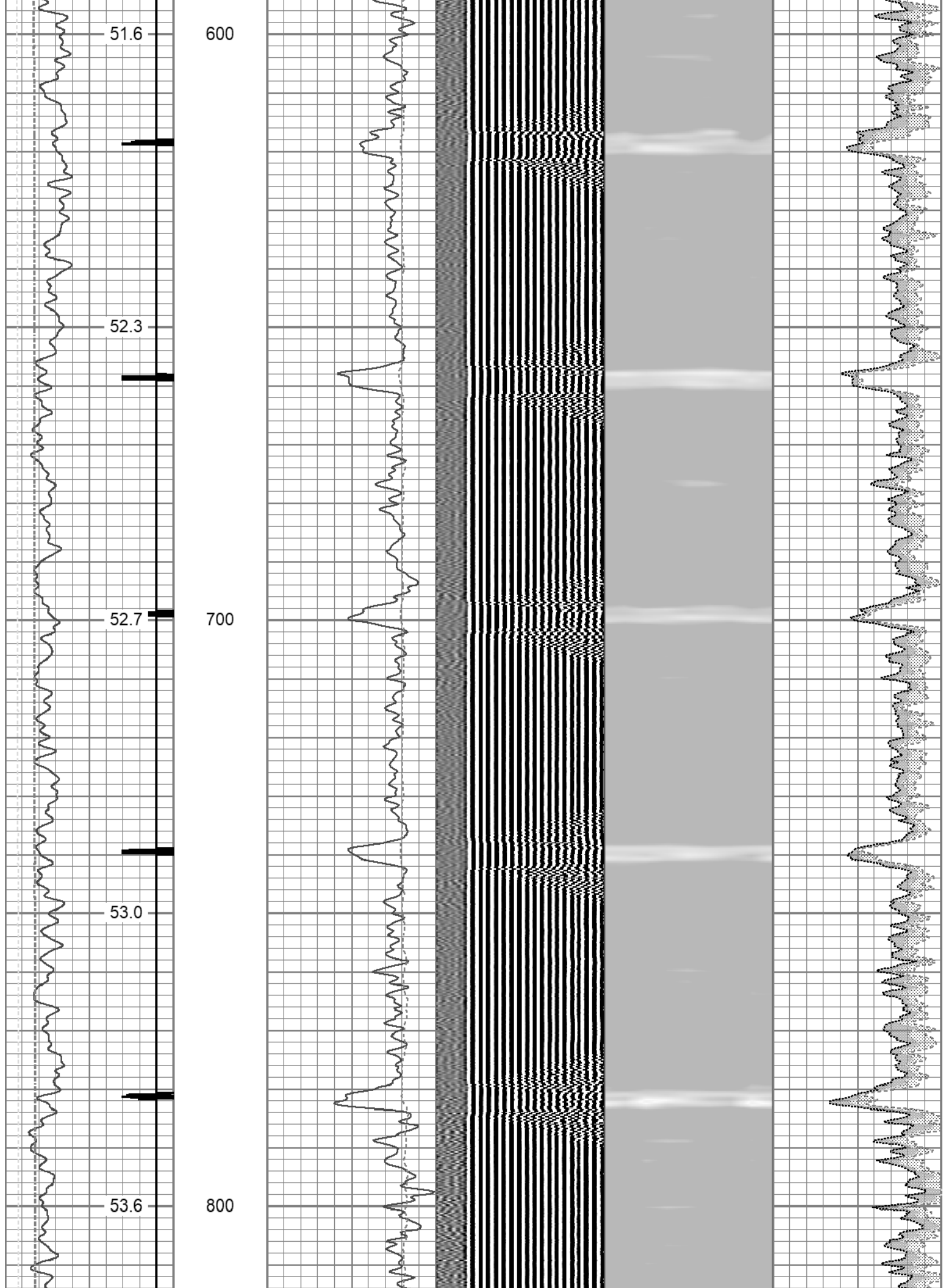
|                   |  |                  |                         |            |                   |
|-------------------|--|------------------|-------------------------|------------|-------------------|
| Gamma Ray         |  | 3' Amplitude     | 5' Variable Density Log | Sector Map | Average Amplitude |
| 0 (GAPI) 200      |  | 0 (mV) 100       | 200 (usec) 1200         |            | 0 120             |
| Line Tension      |  | 3' Amplitude x 5 |                         |            | Minimum Amplitude |
| 0 (lb) 4000       |  | 0 (mV) 20        |                         |            | 0 120             |
| -9 CCL 1          |  | 3' Travel Time   |                         |            | Maximum Amplitude |
| 0 Temp (degF) 300 |  | 650 (usec) 150   |                         |            | 0 120             |

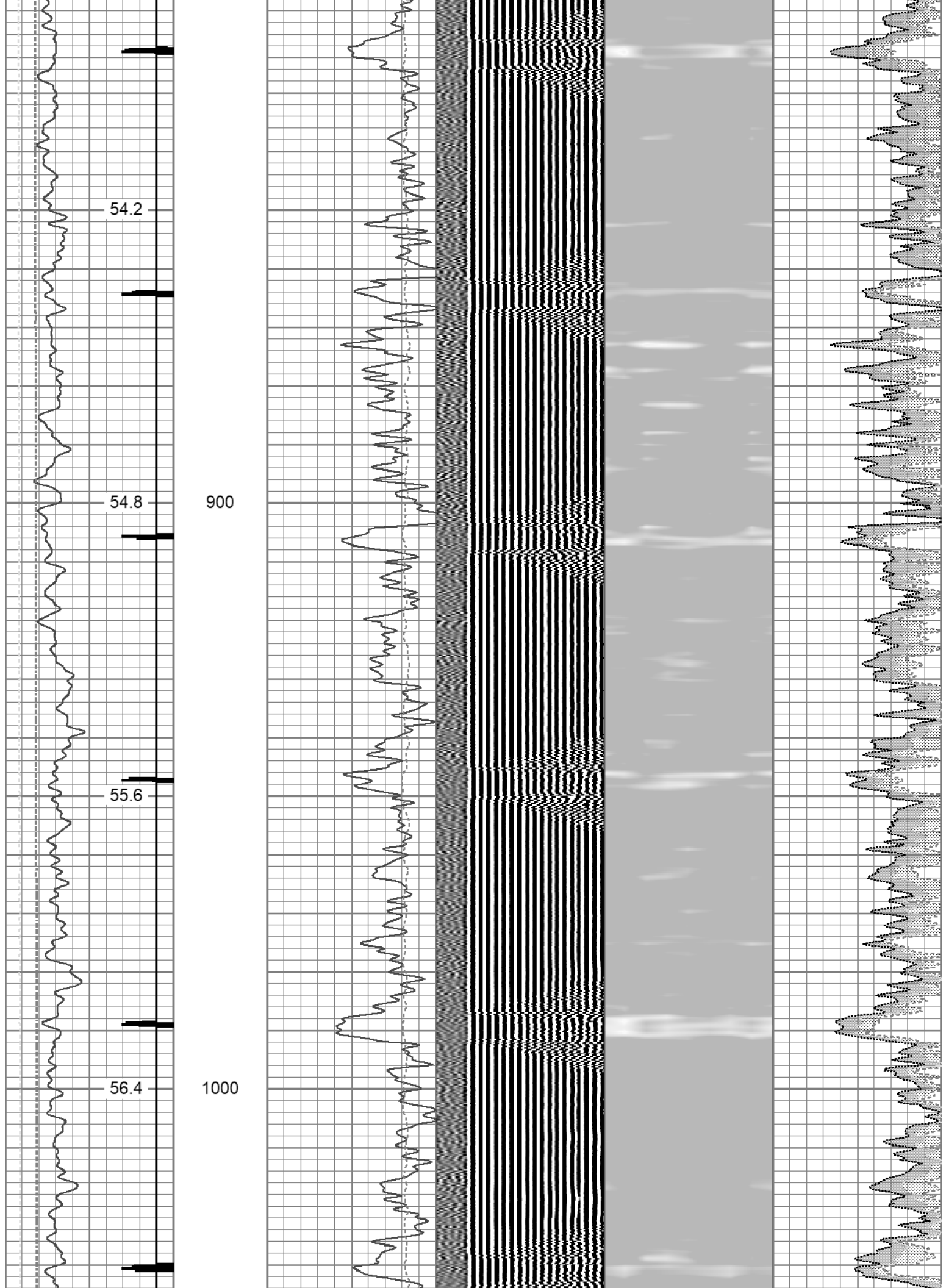


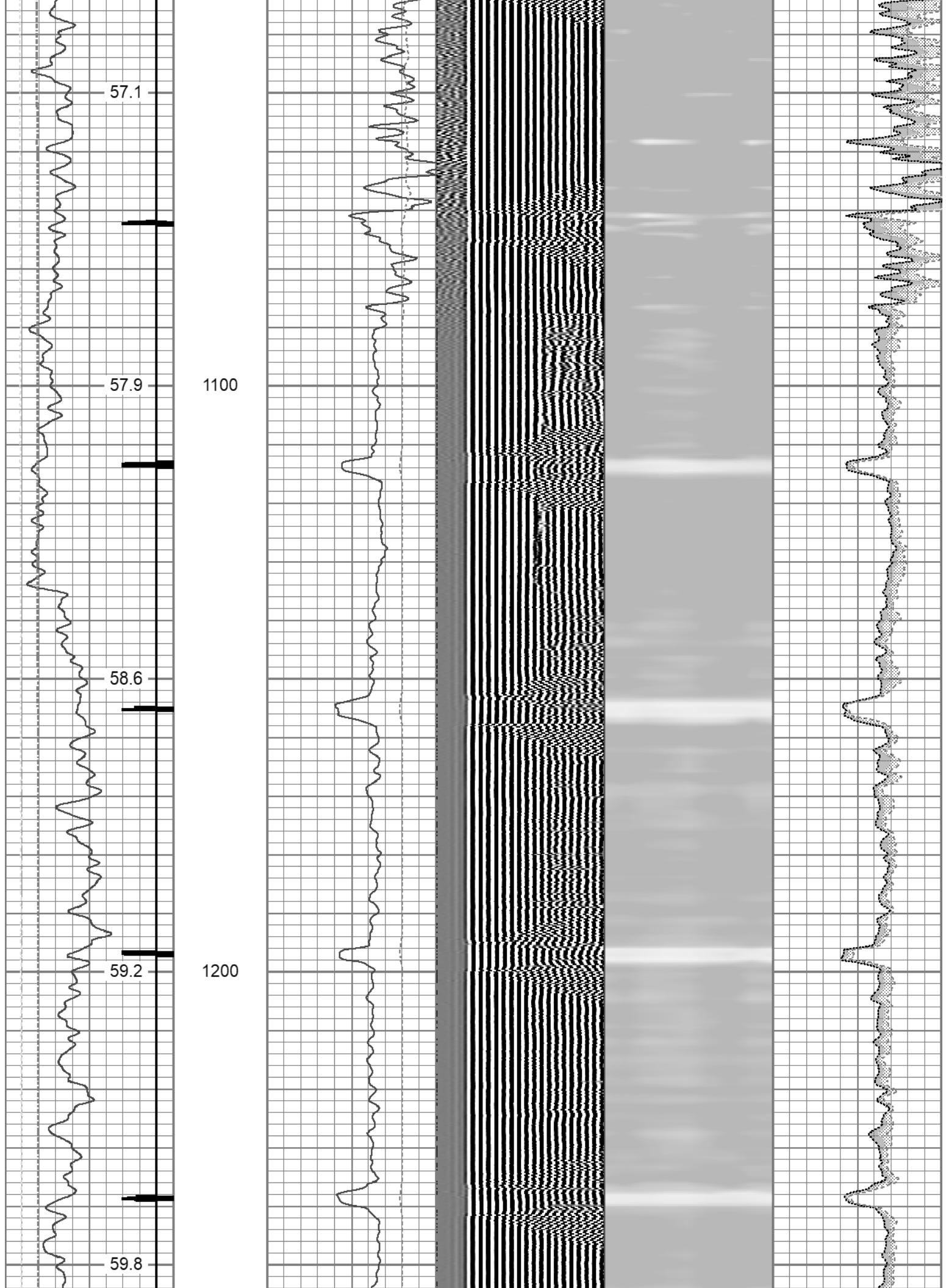


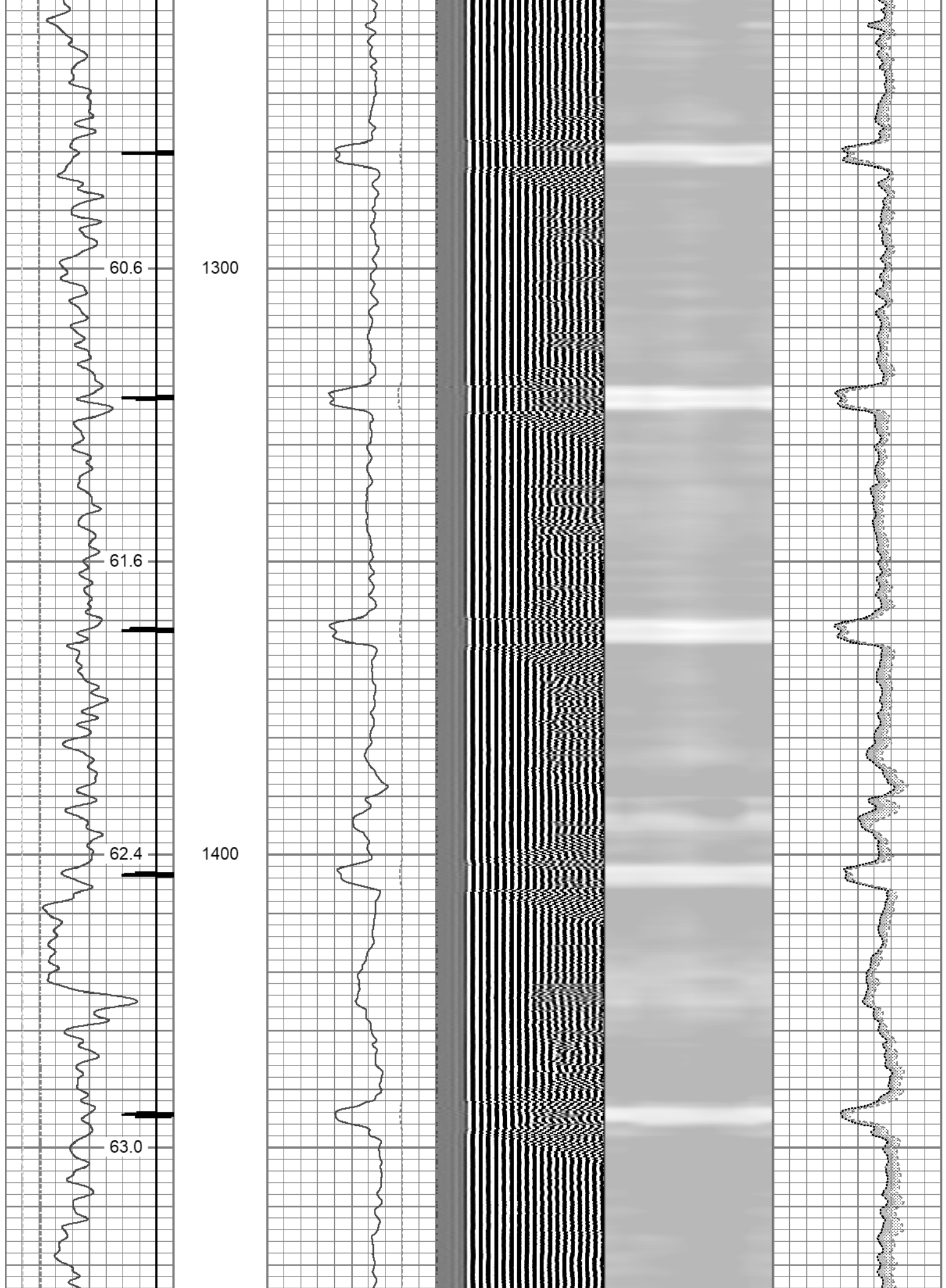


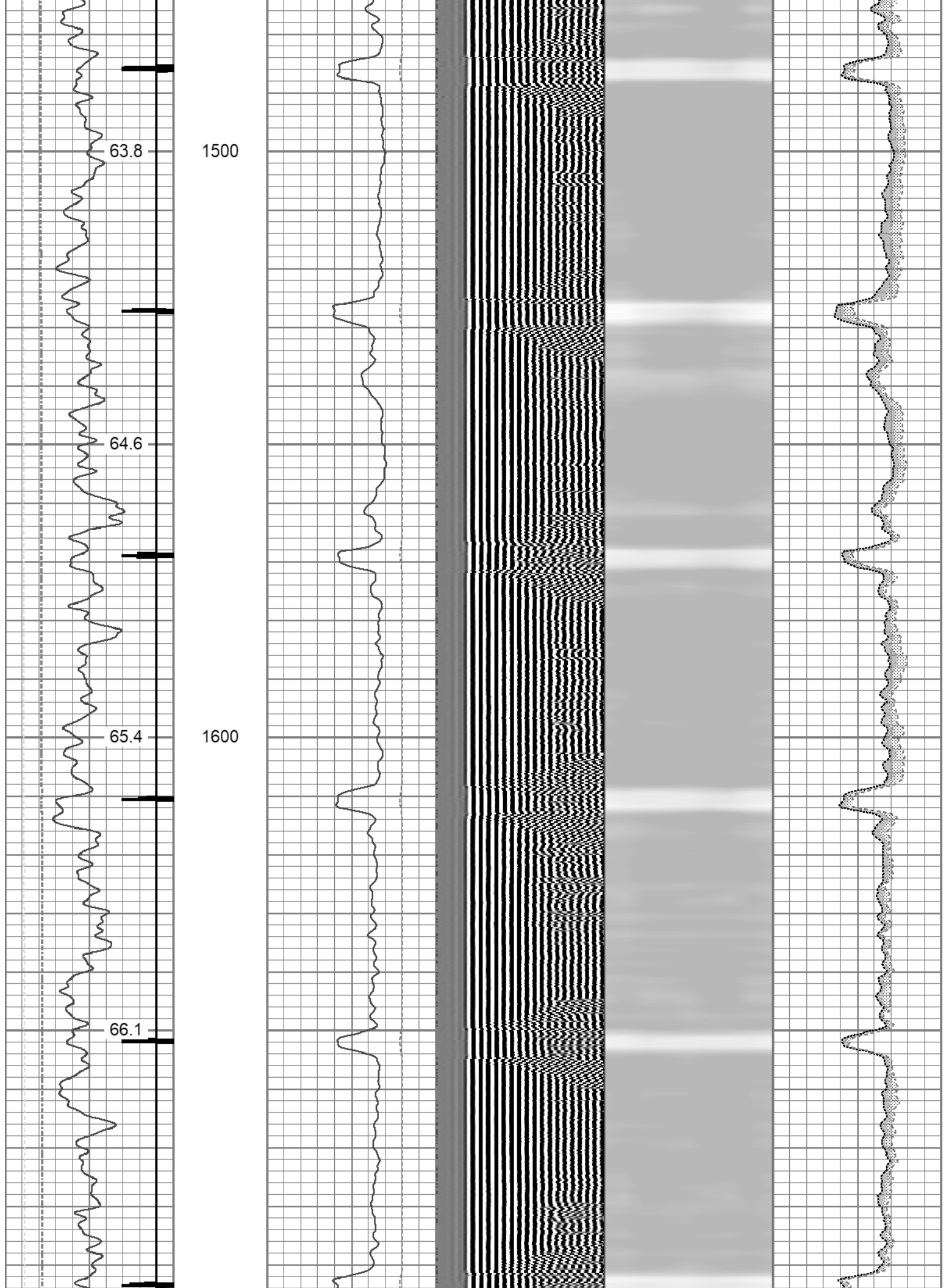


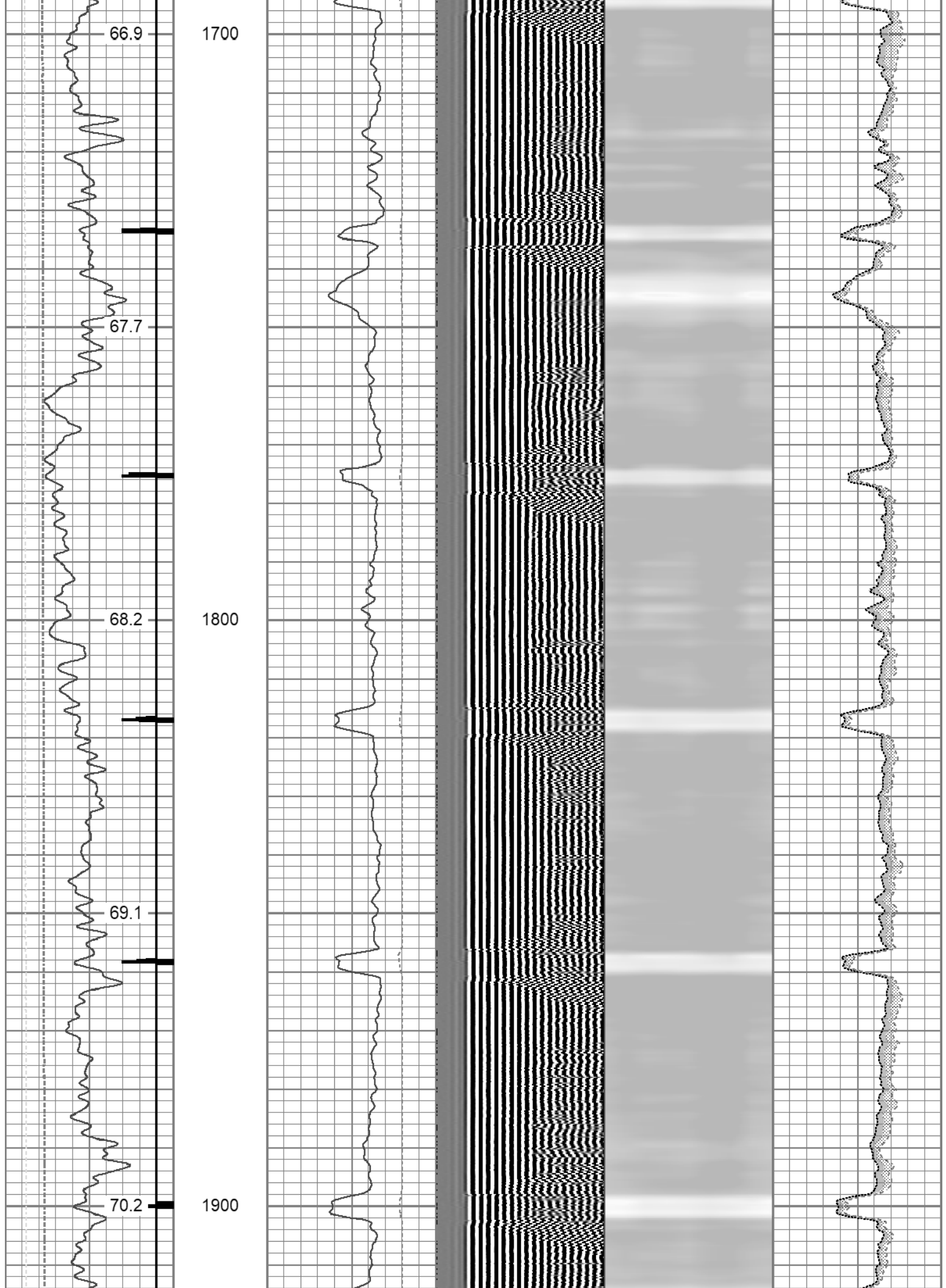


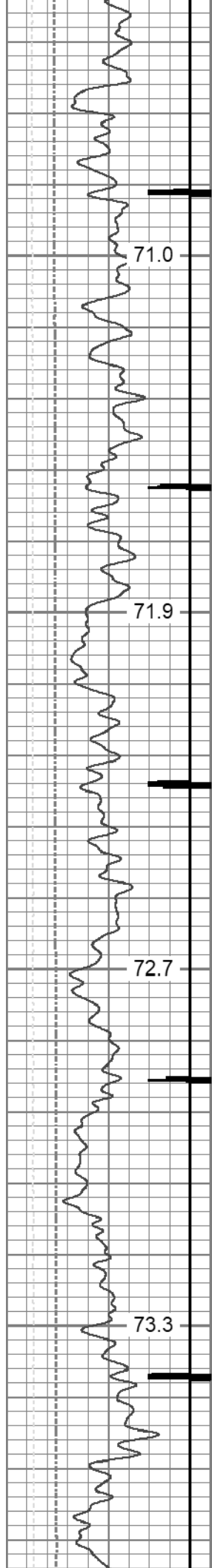






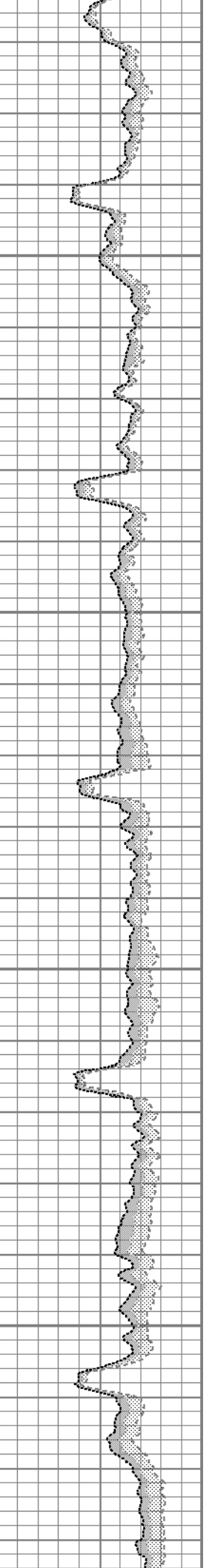
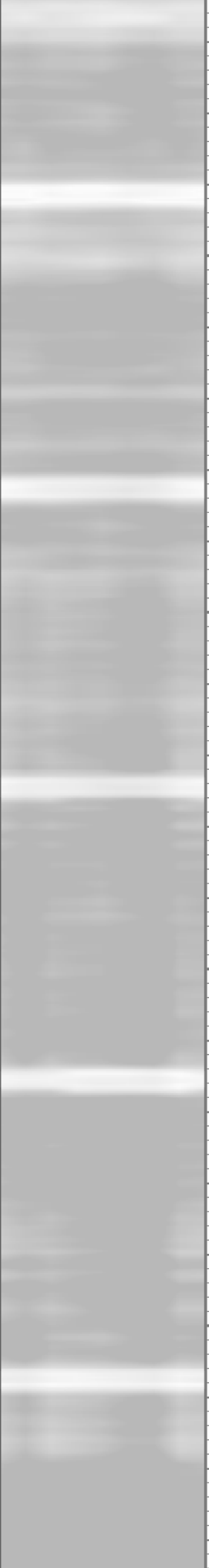
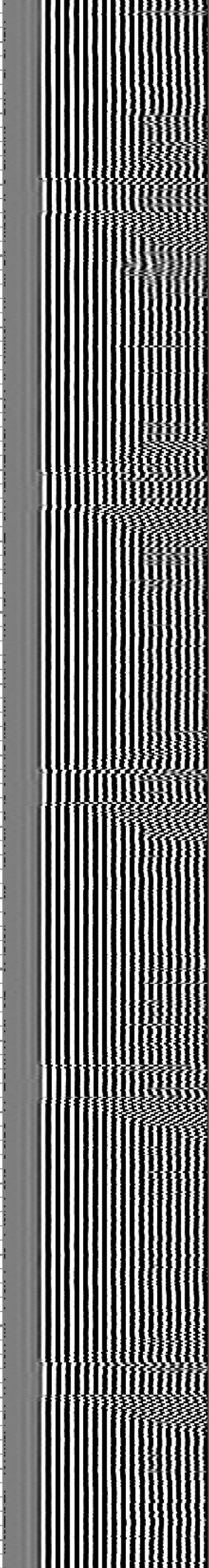
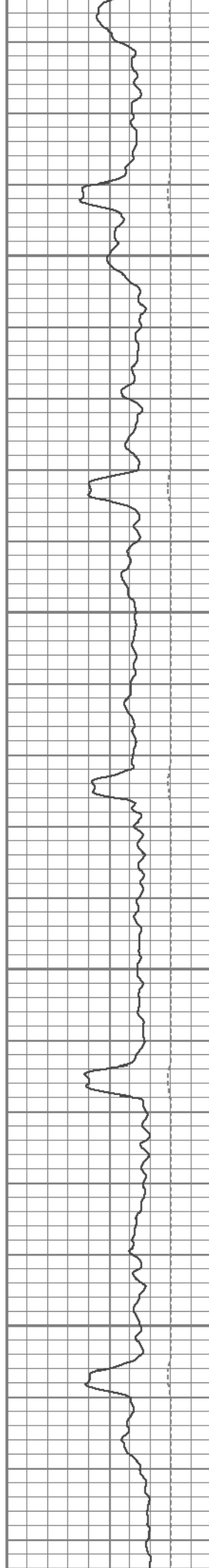


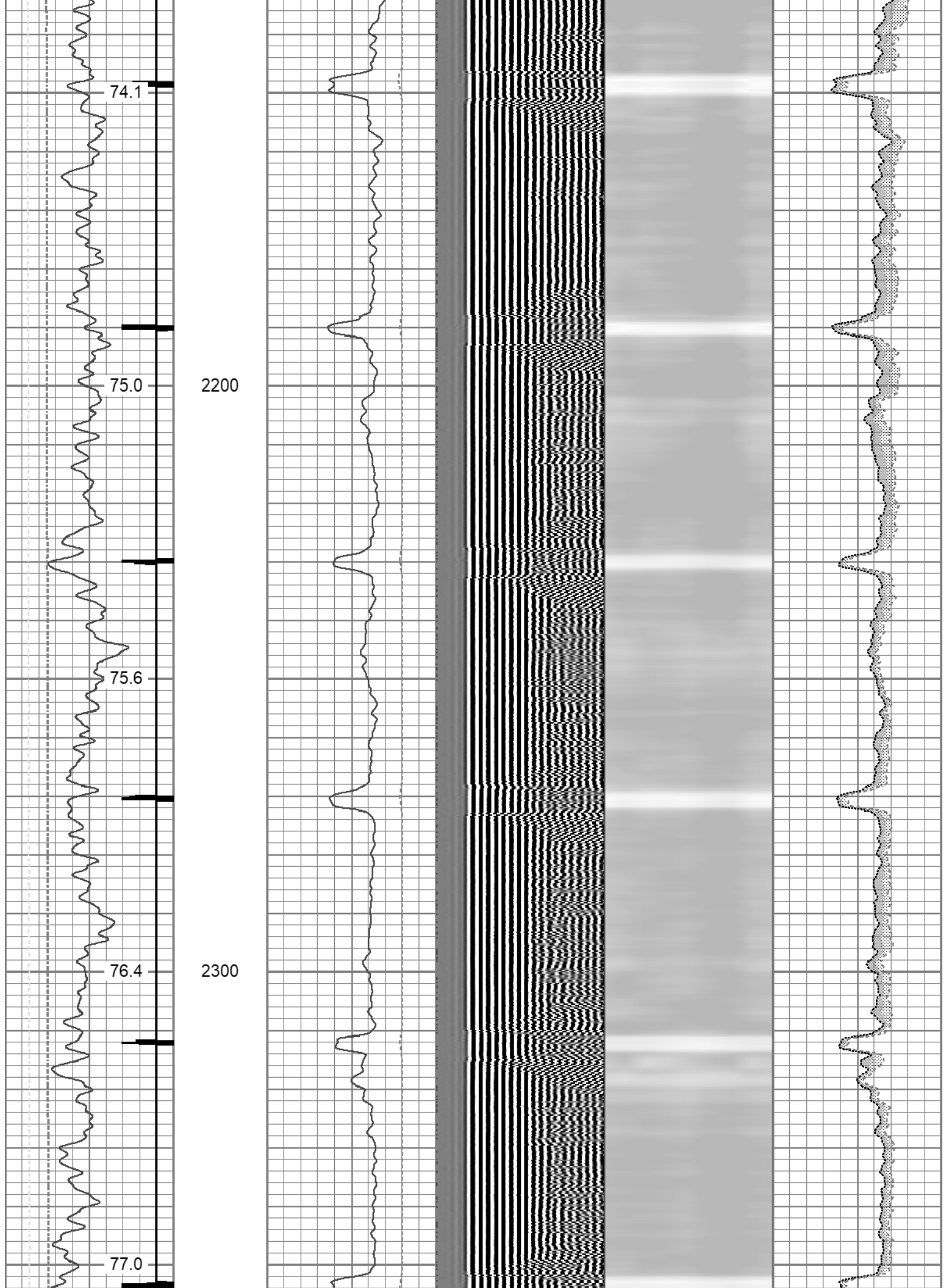




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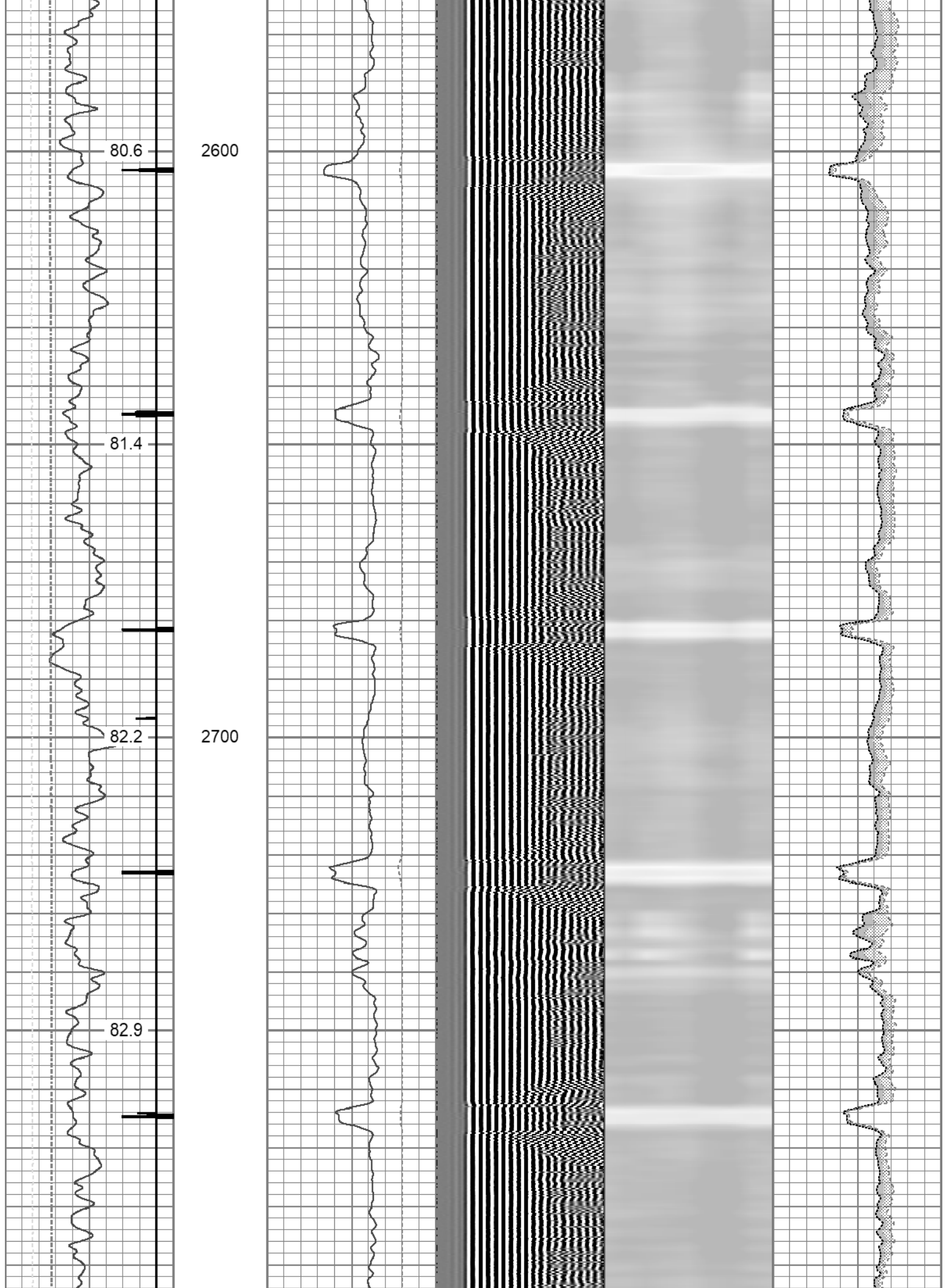
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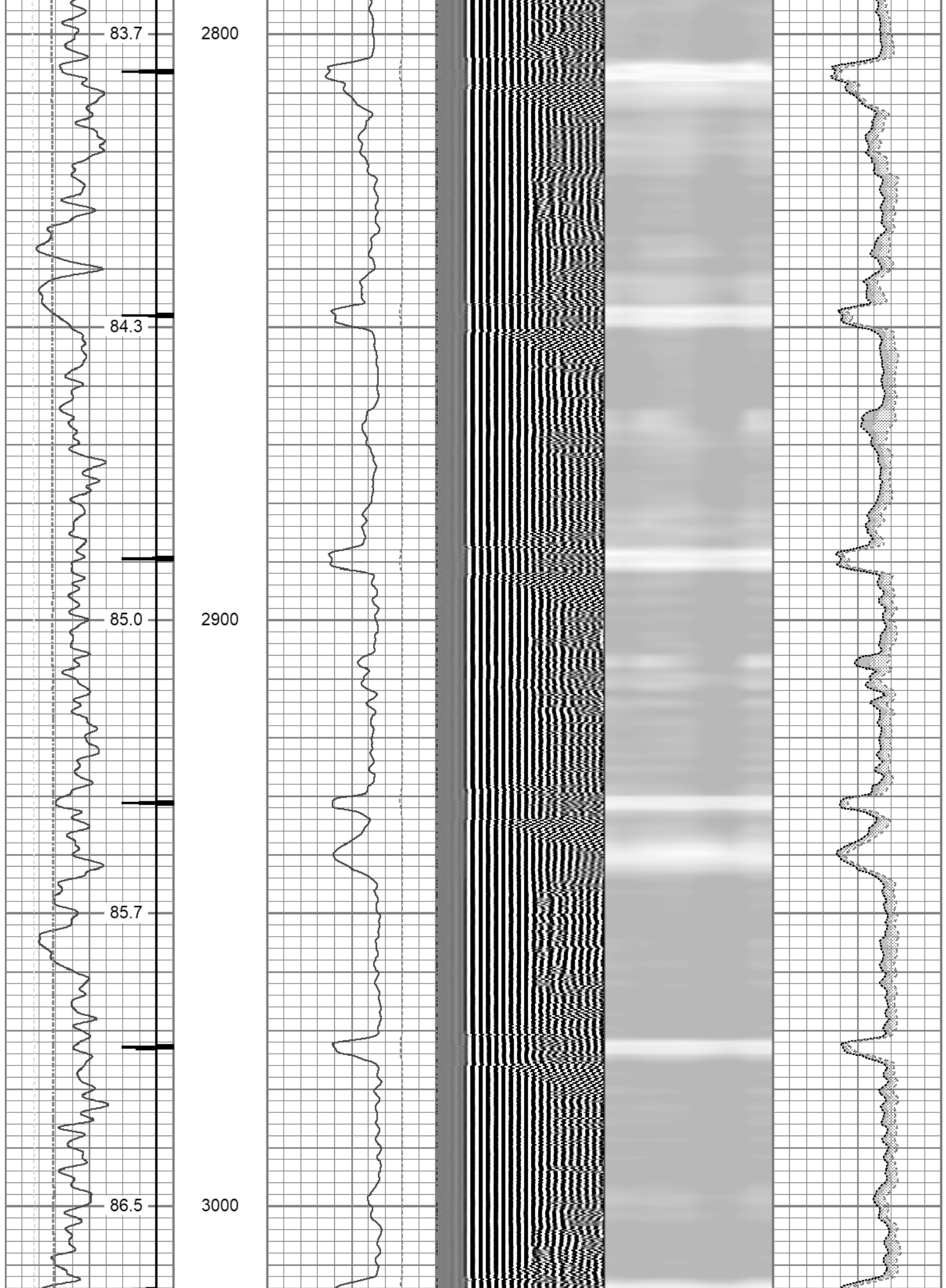


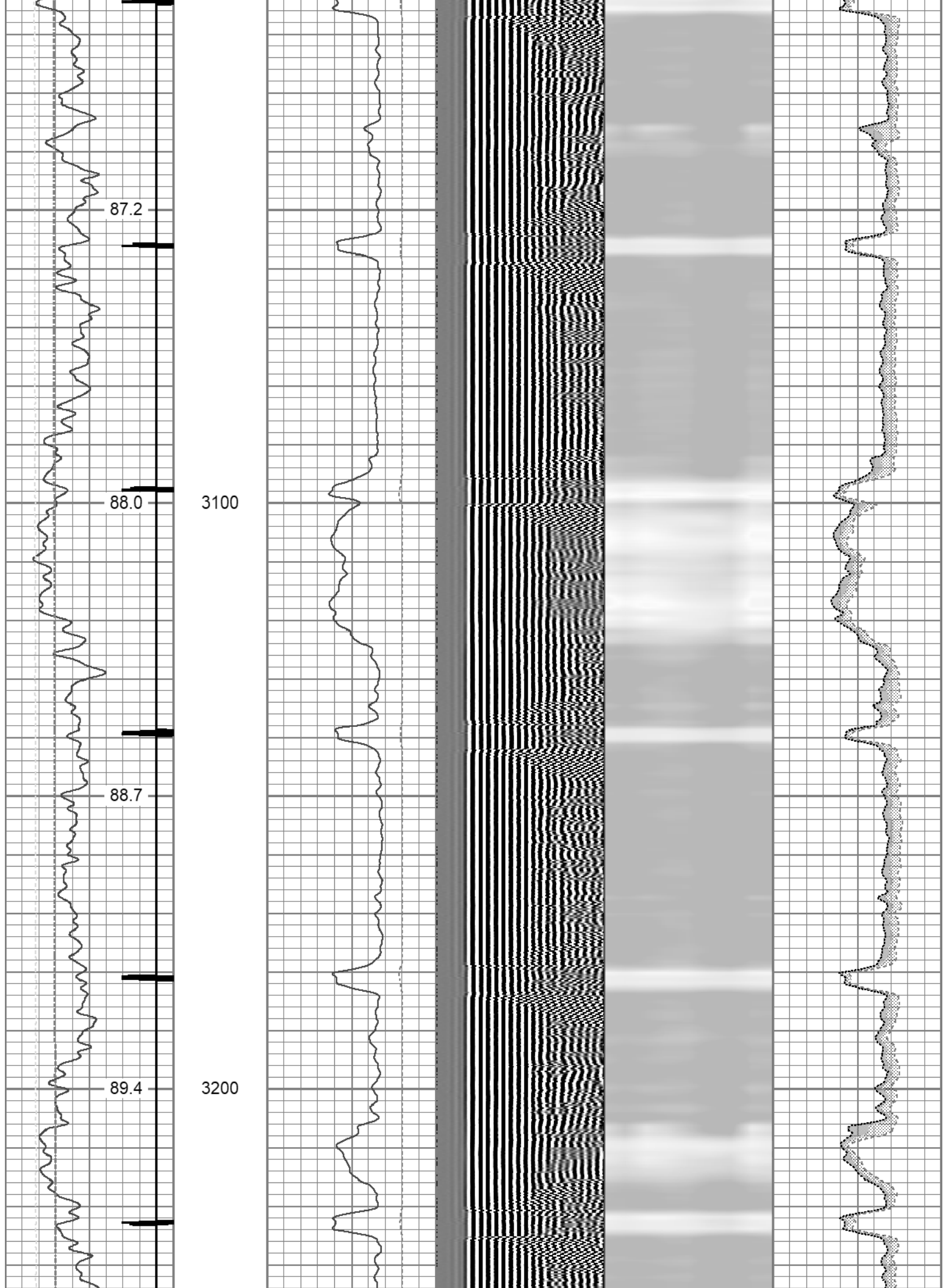


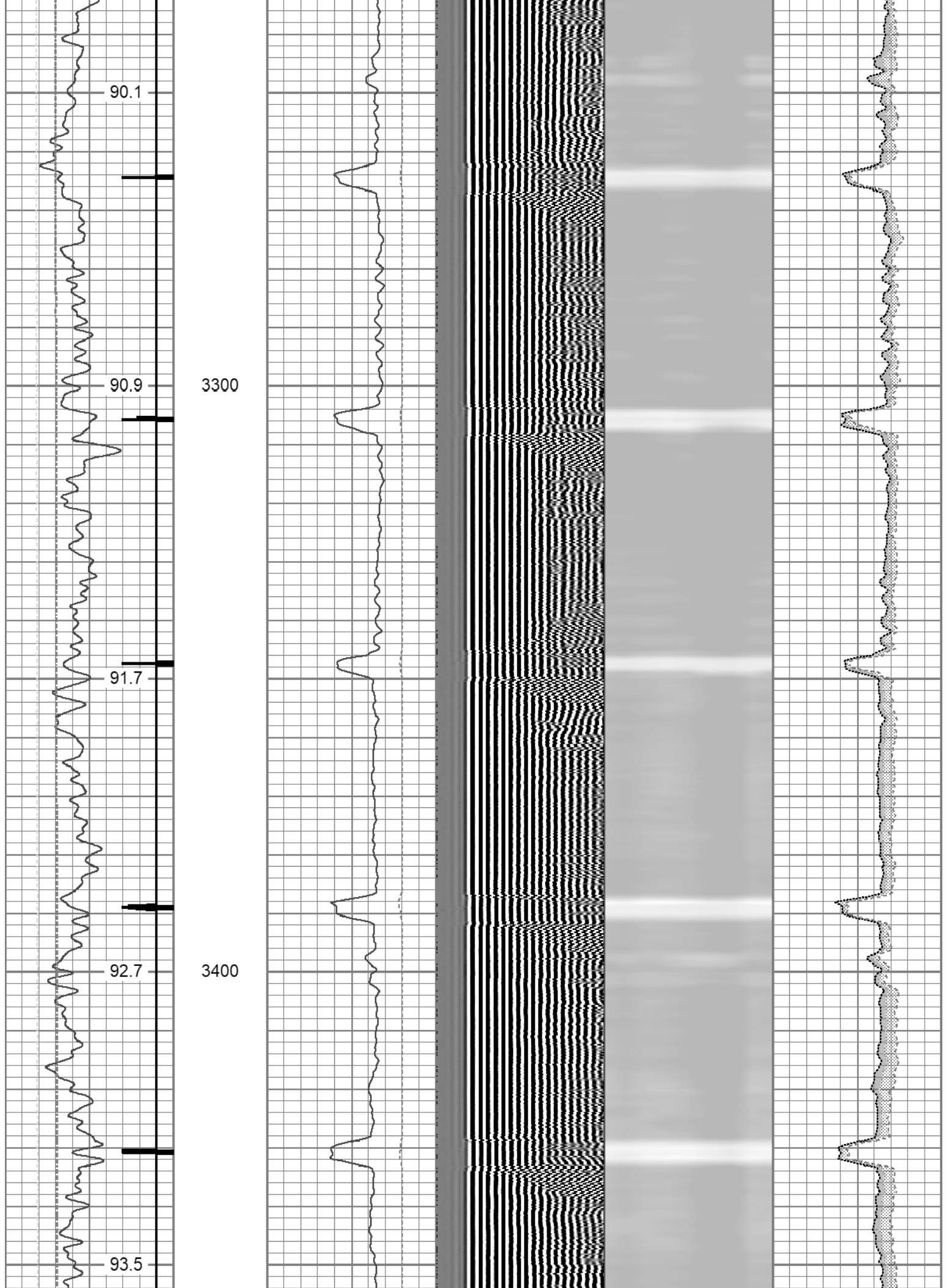










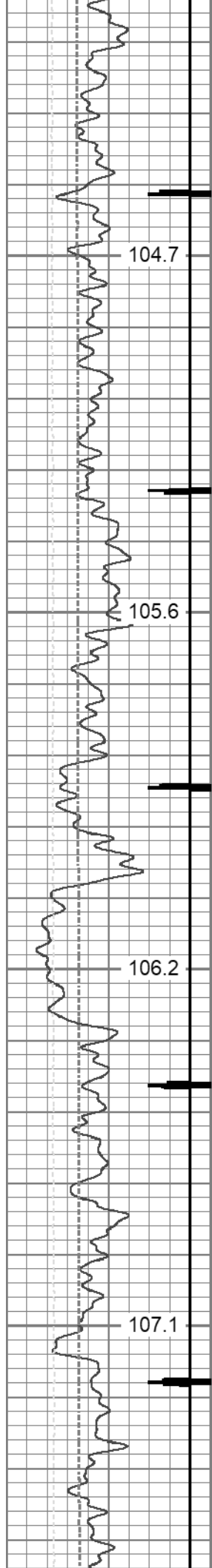






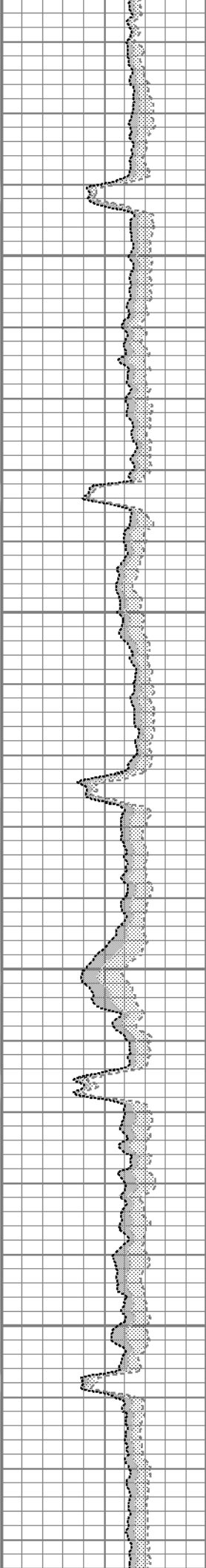
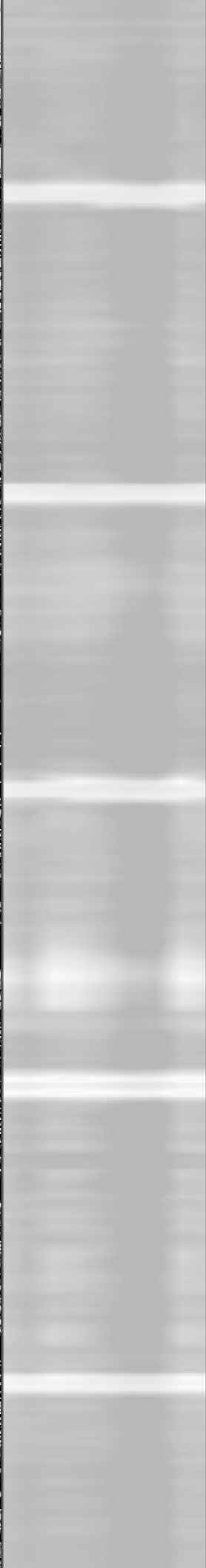
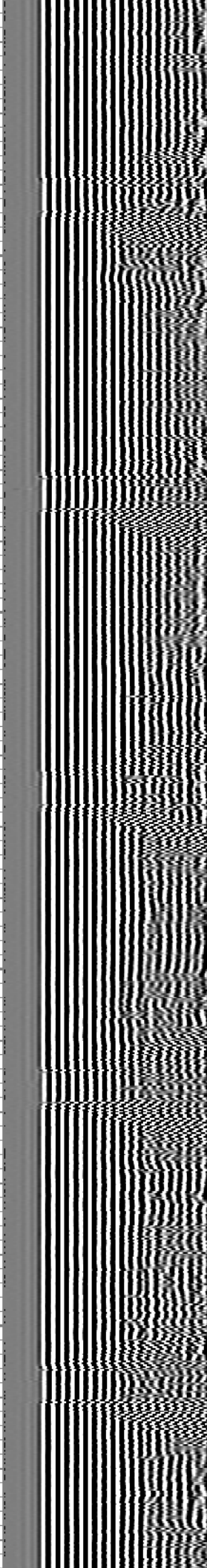
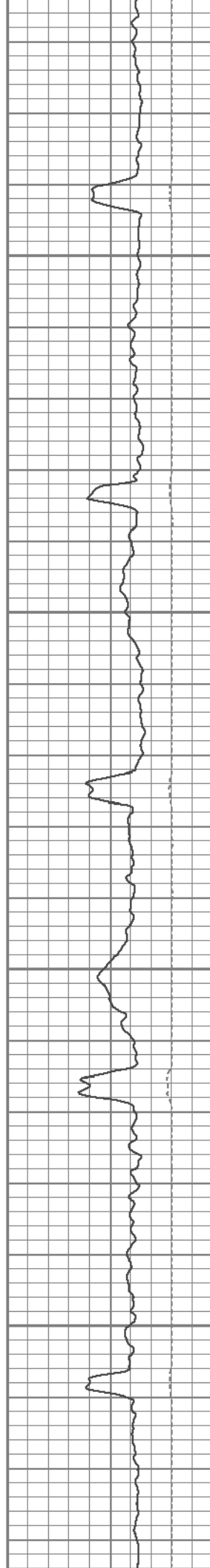


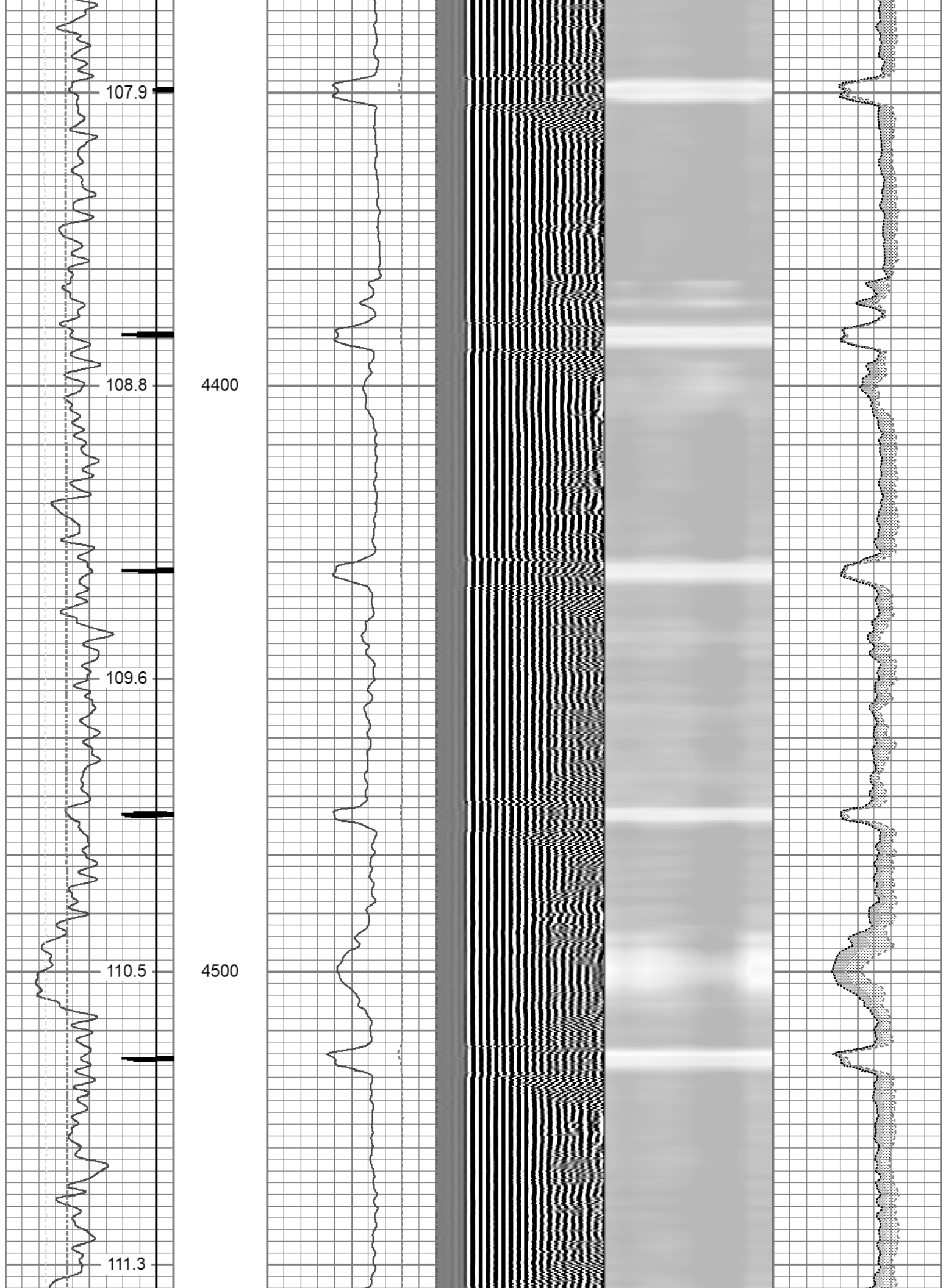


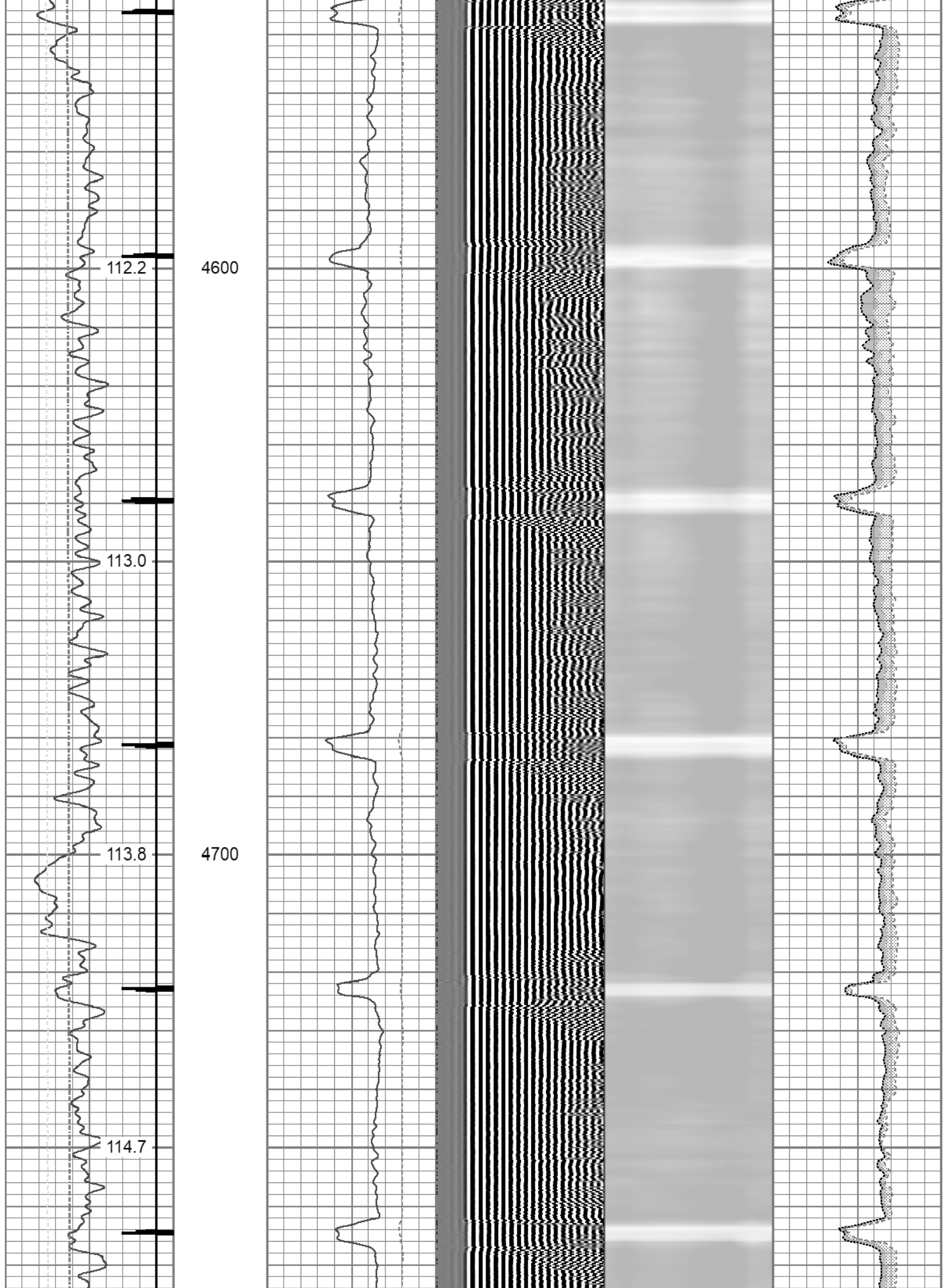


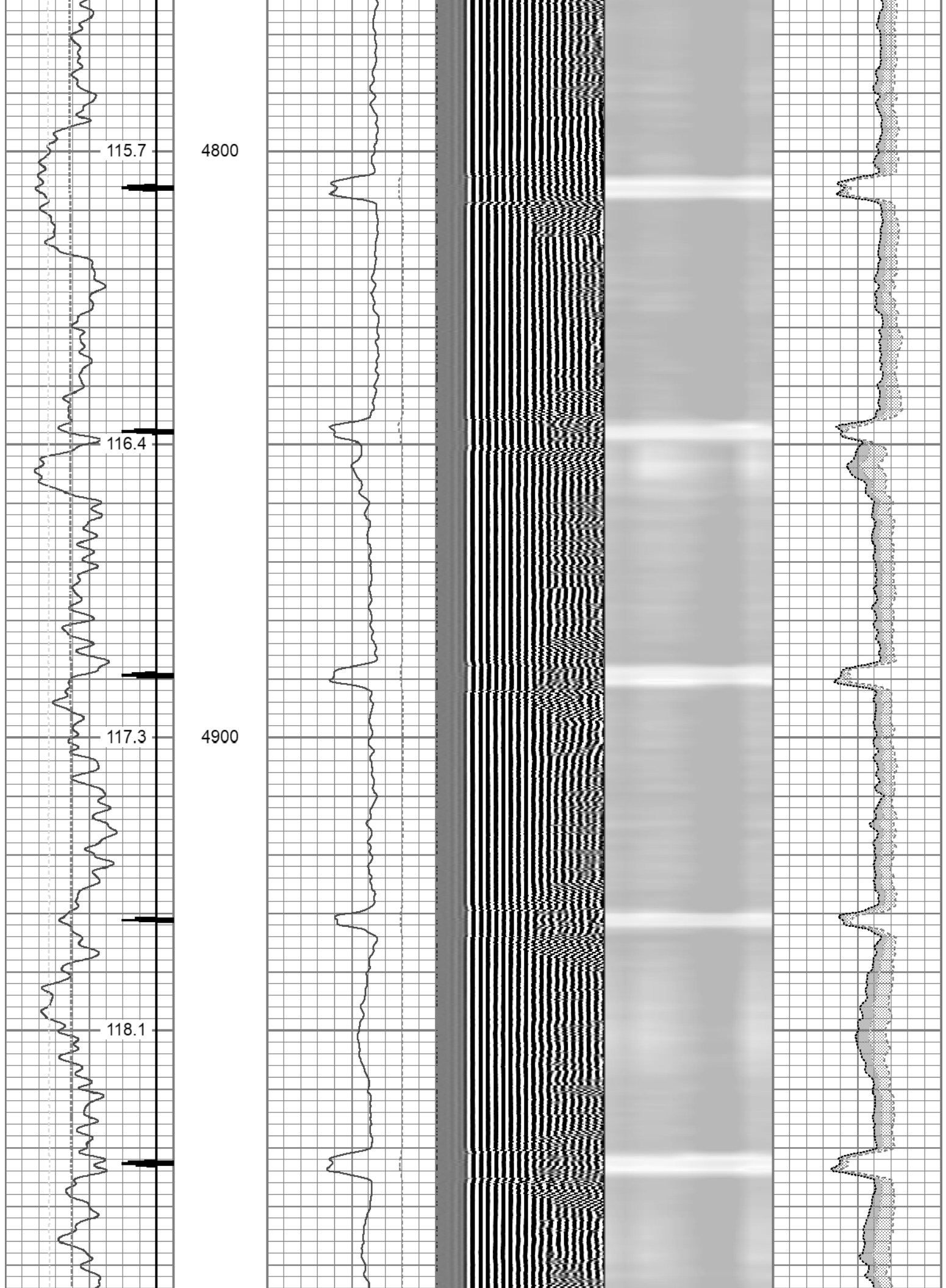
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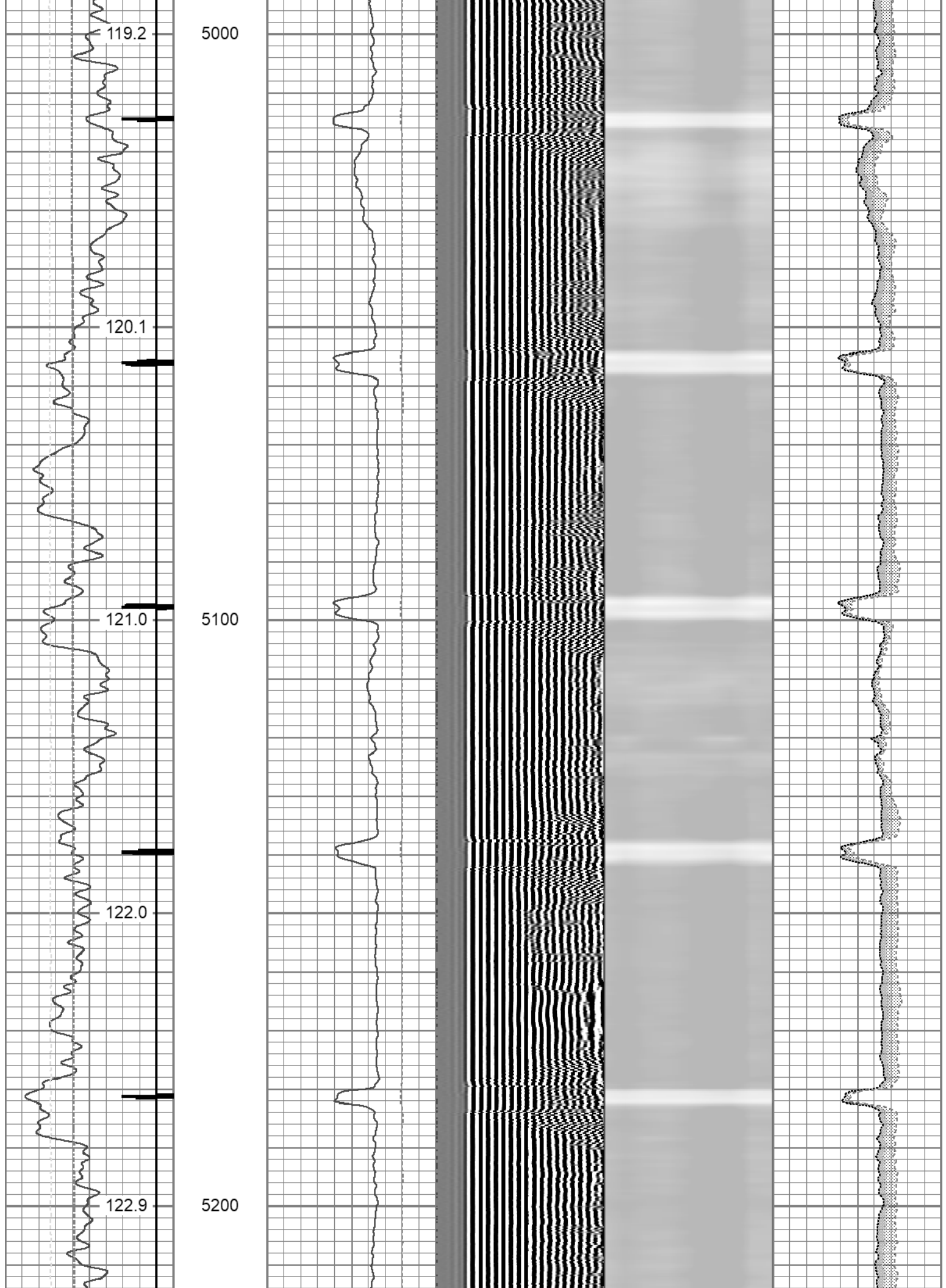
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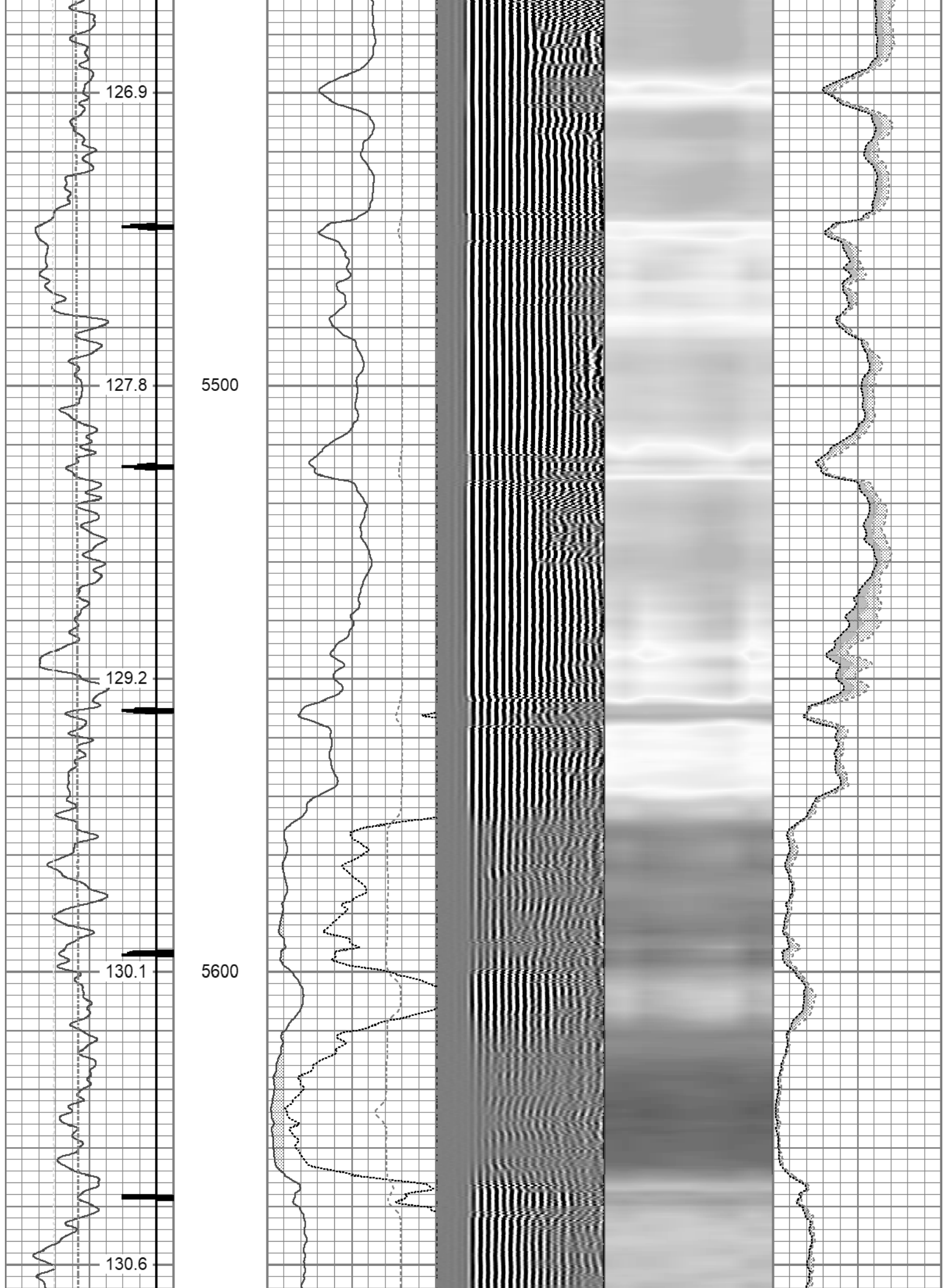




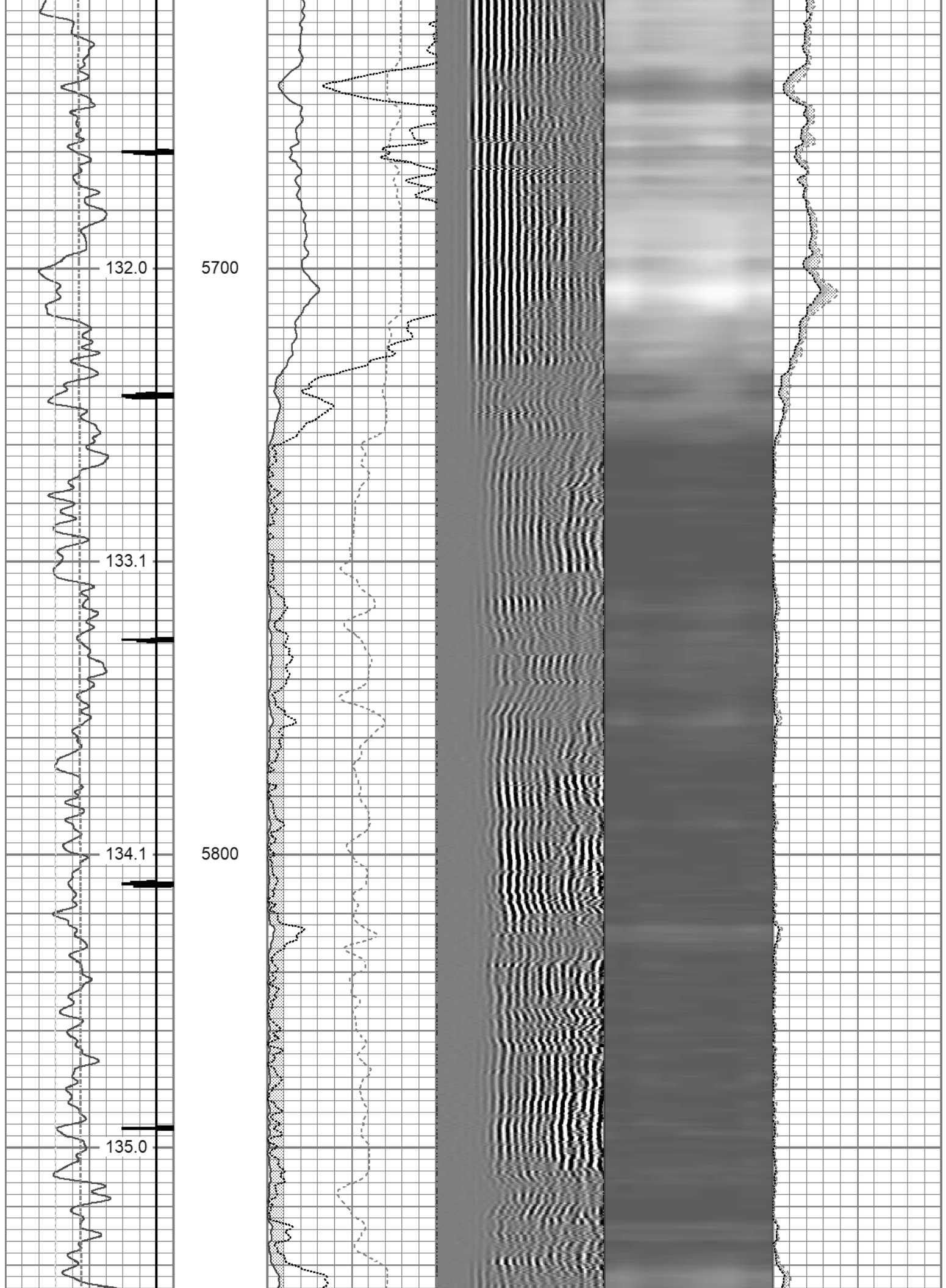




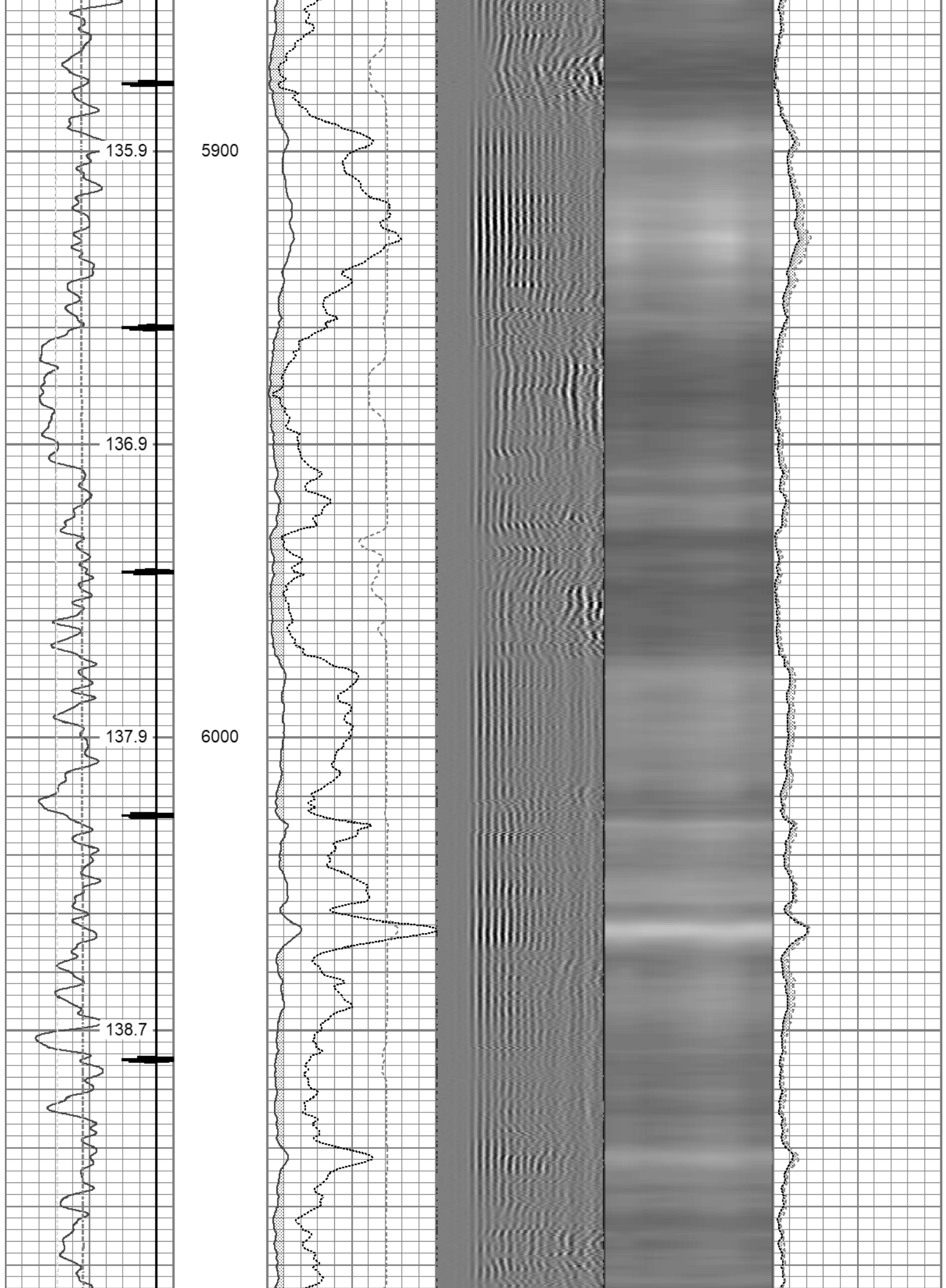


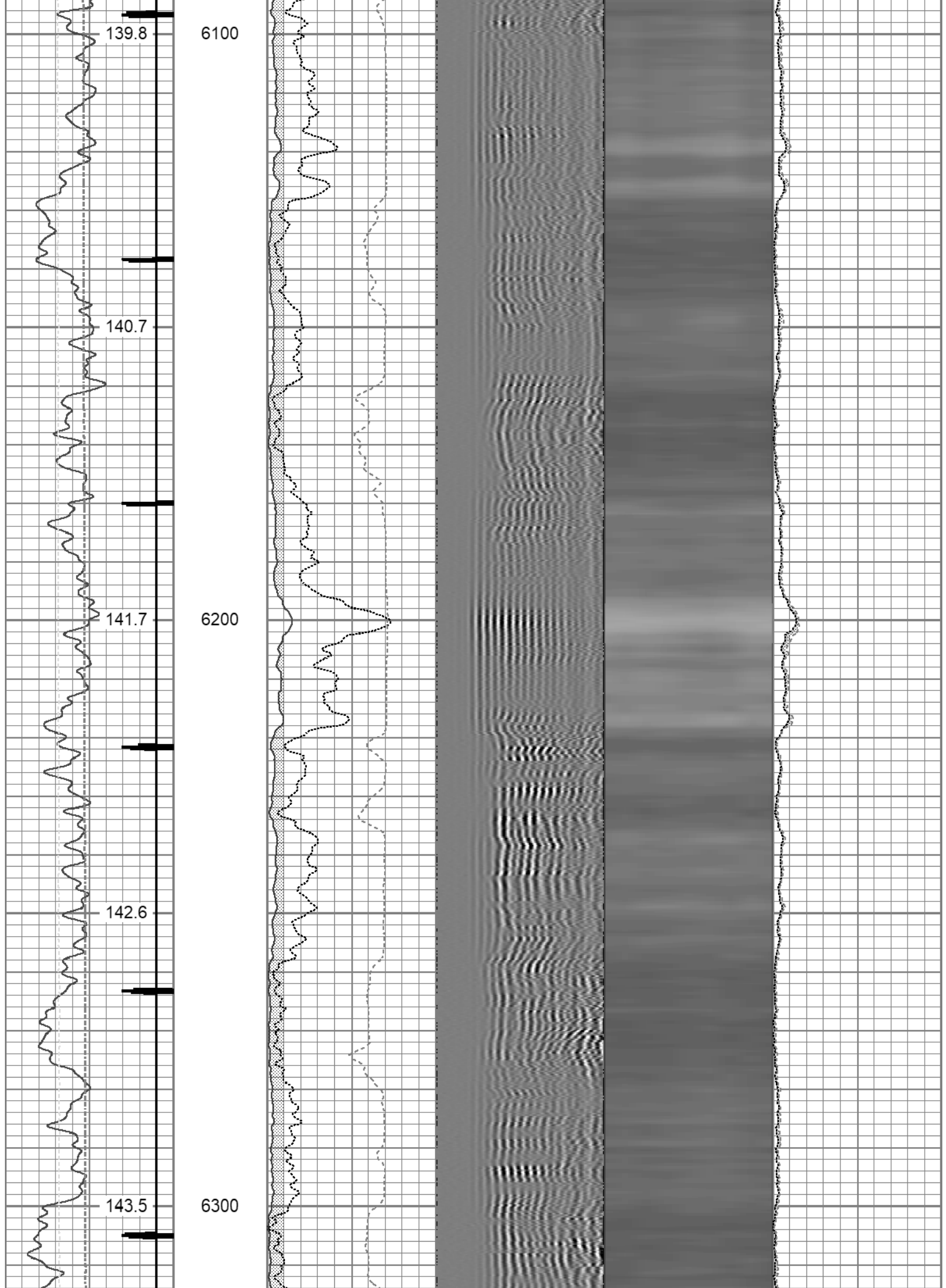




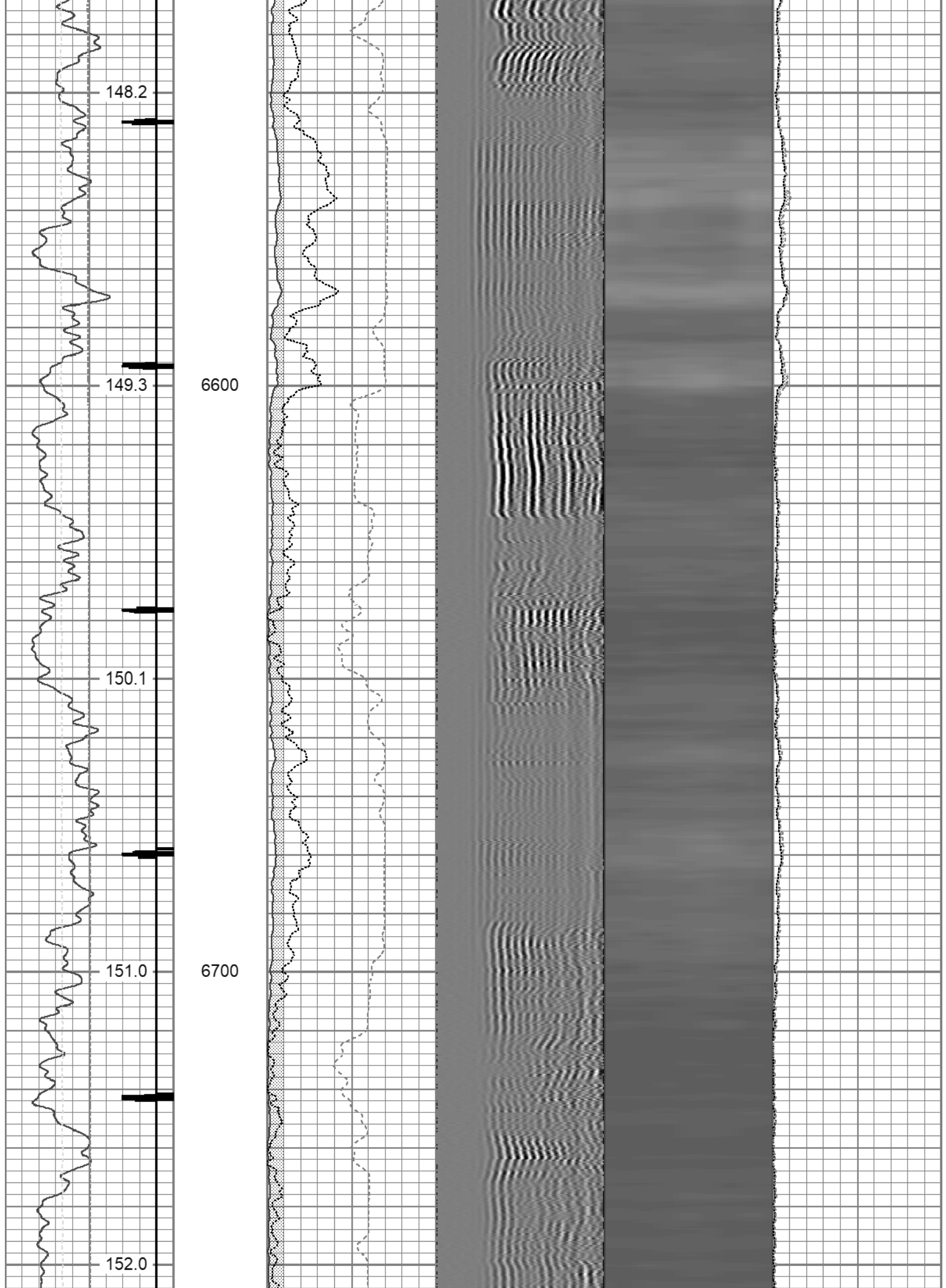


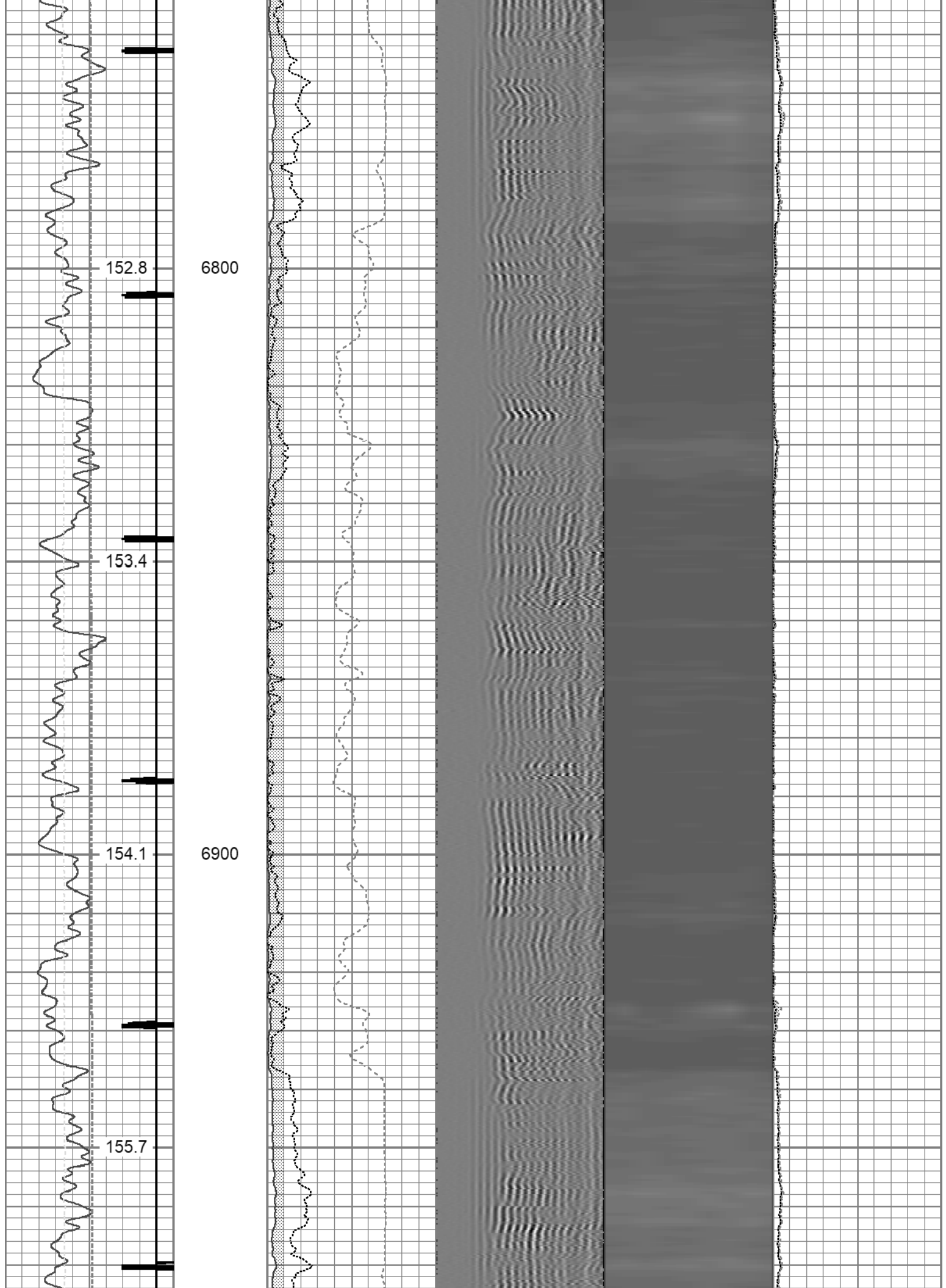


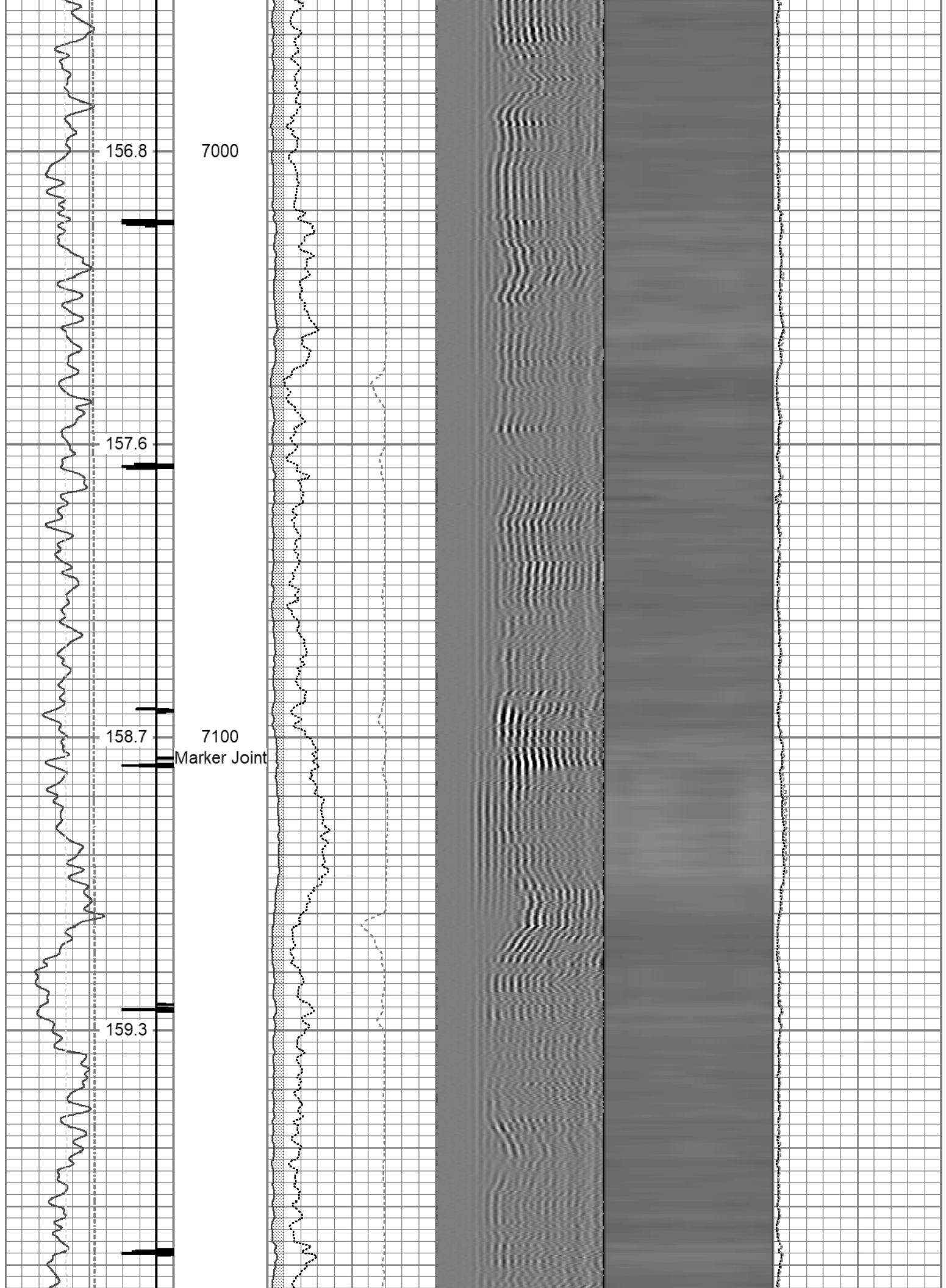


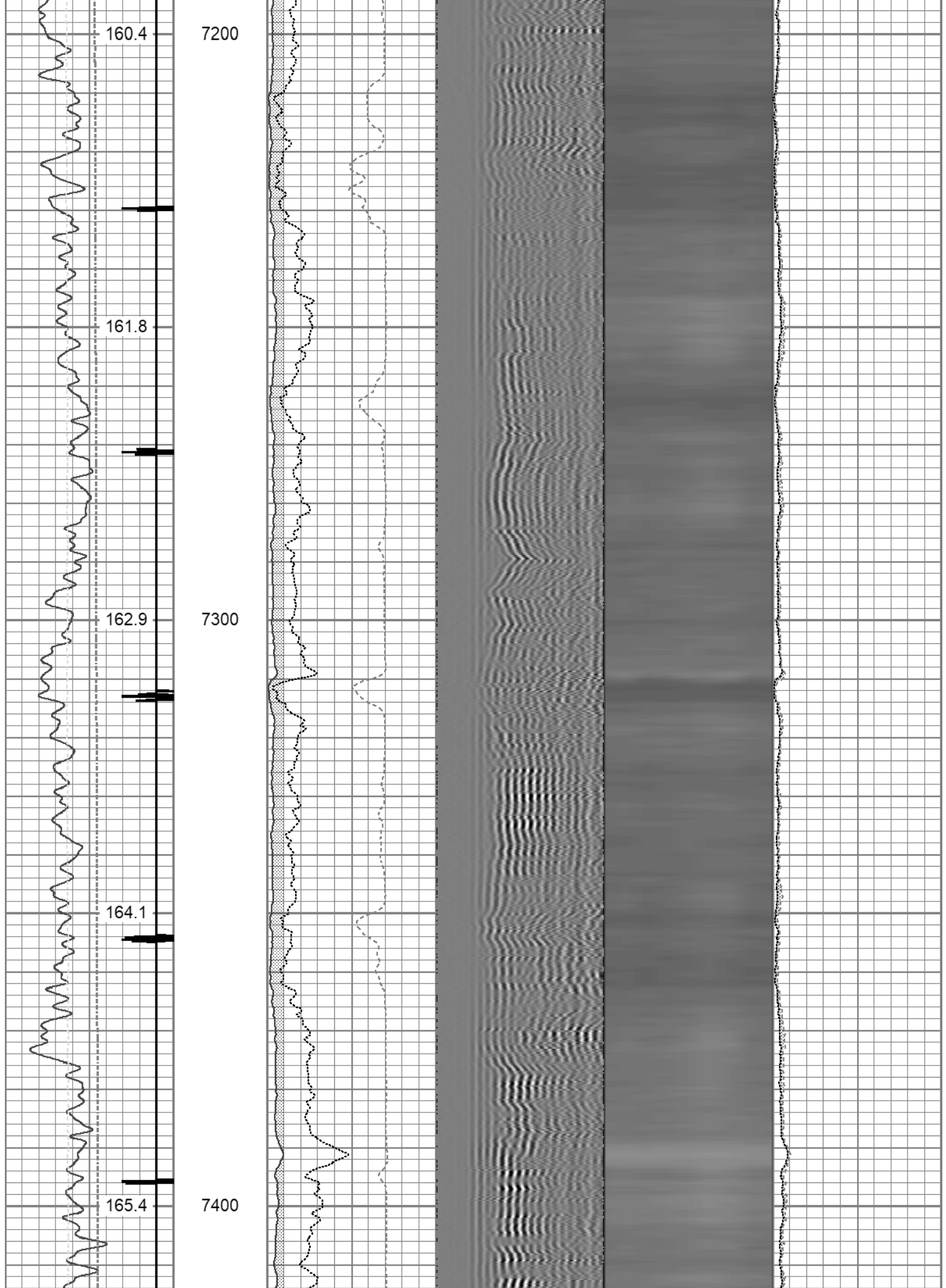


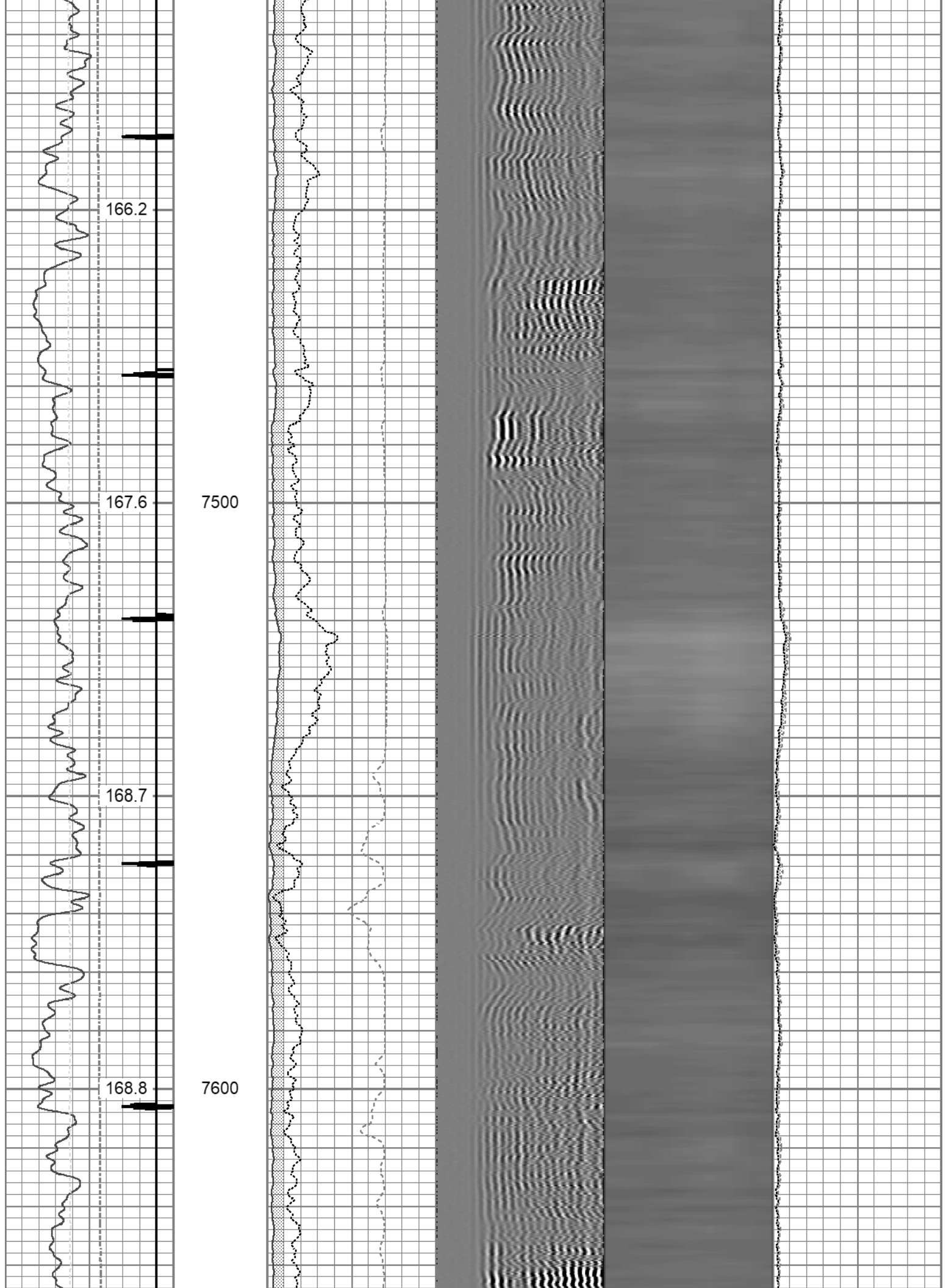




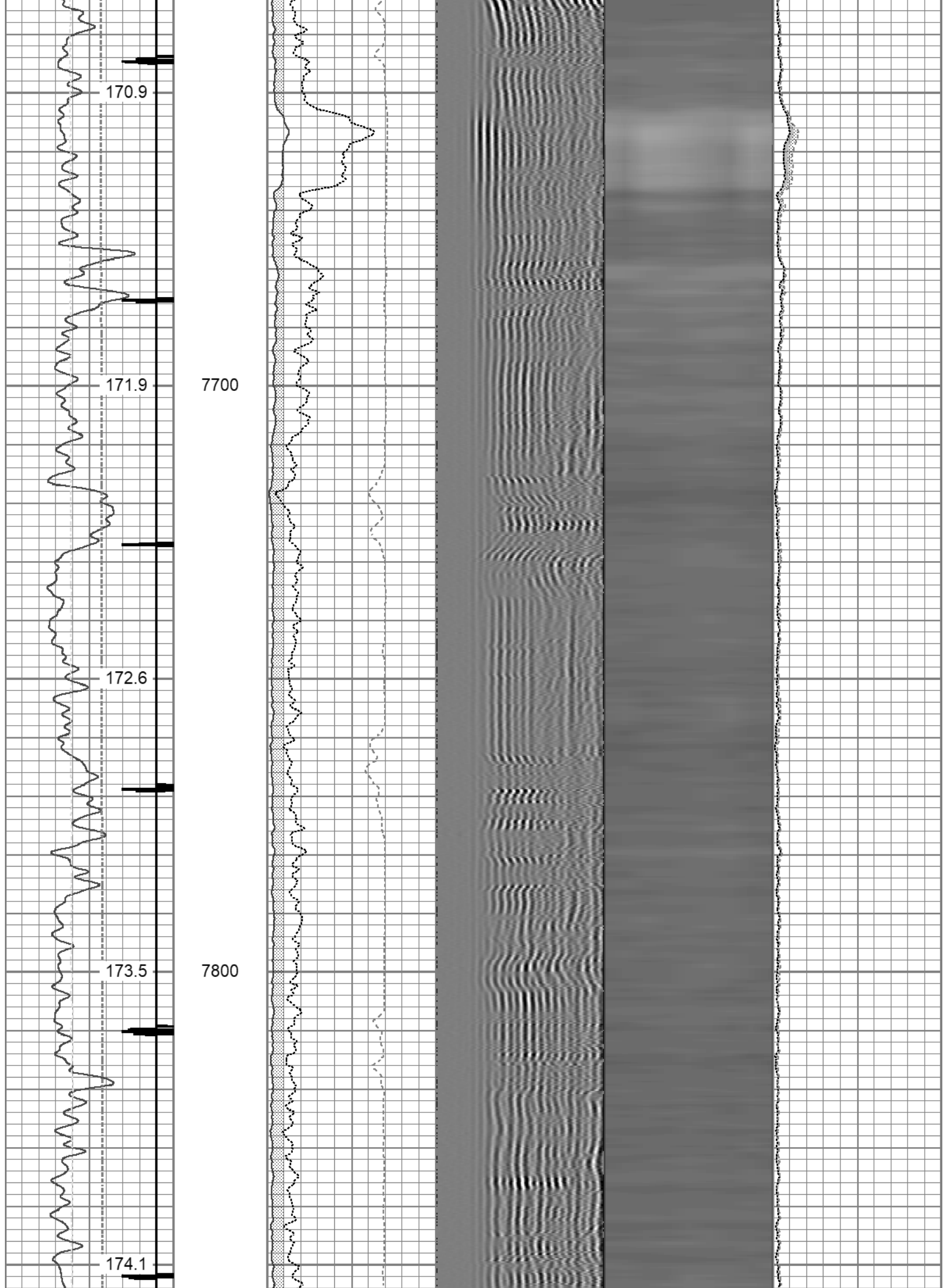


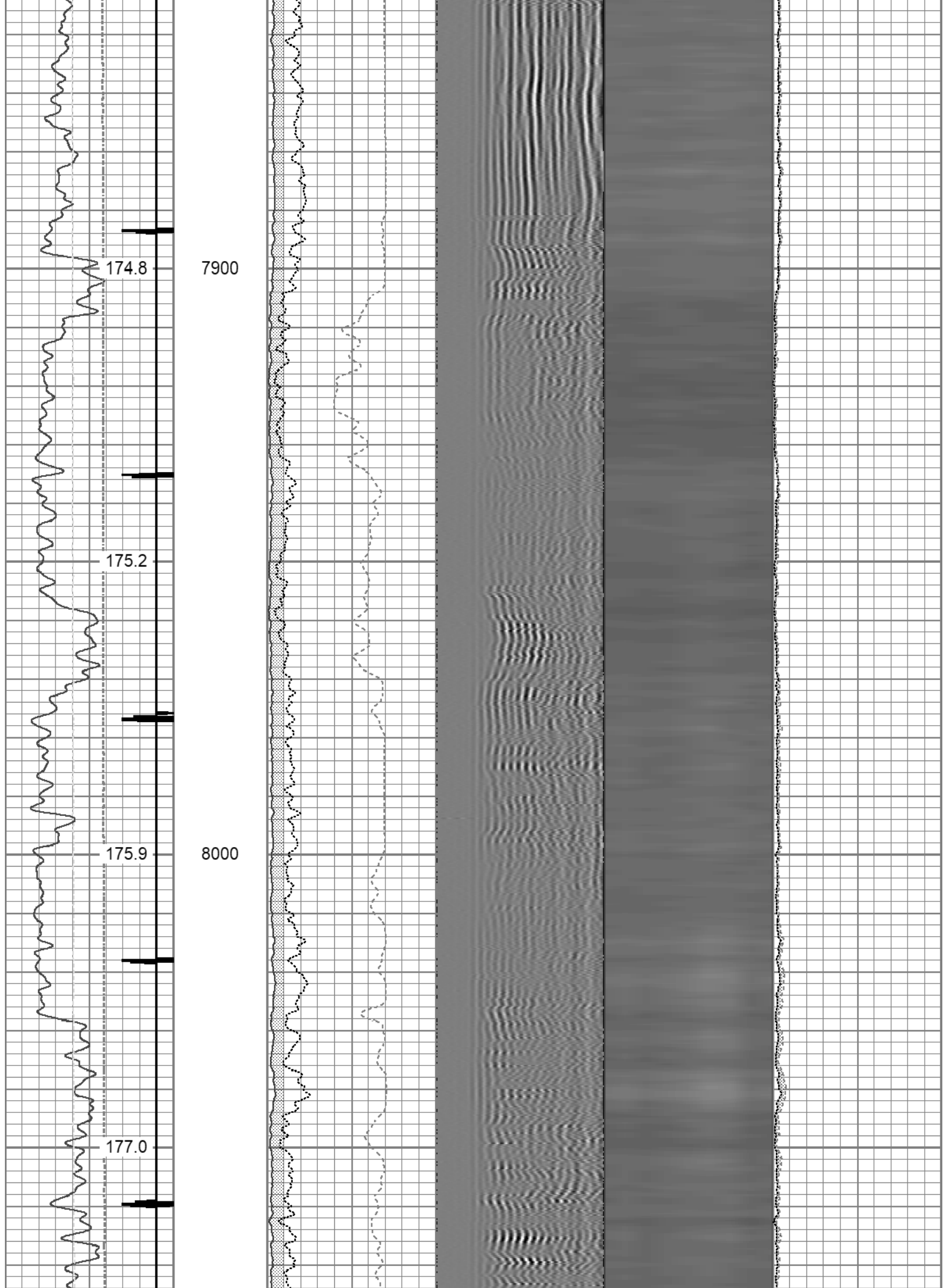


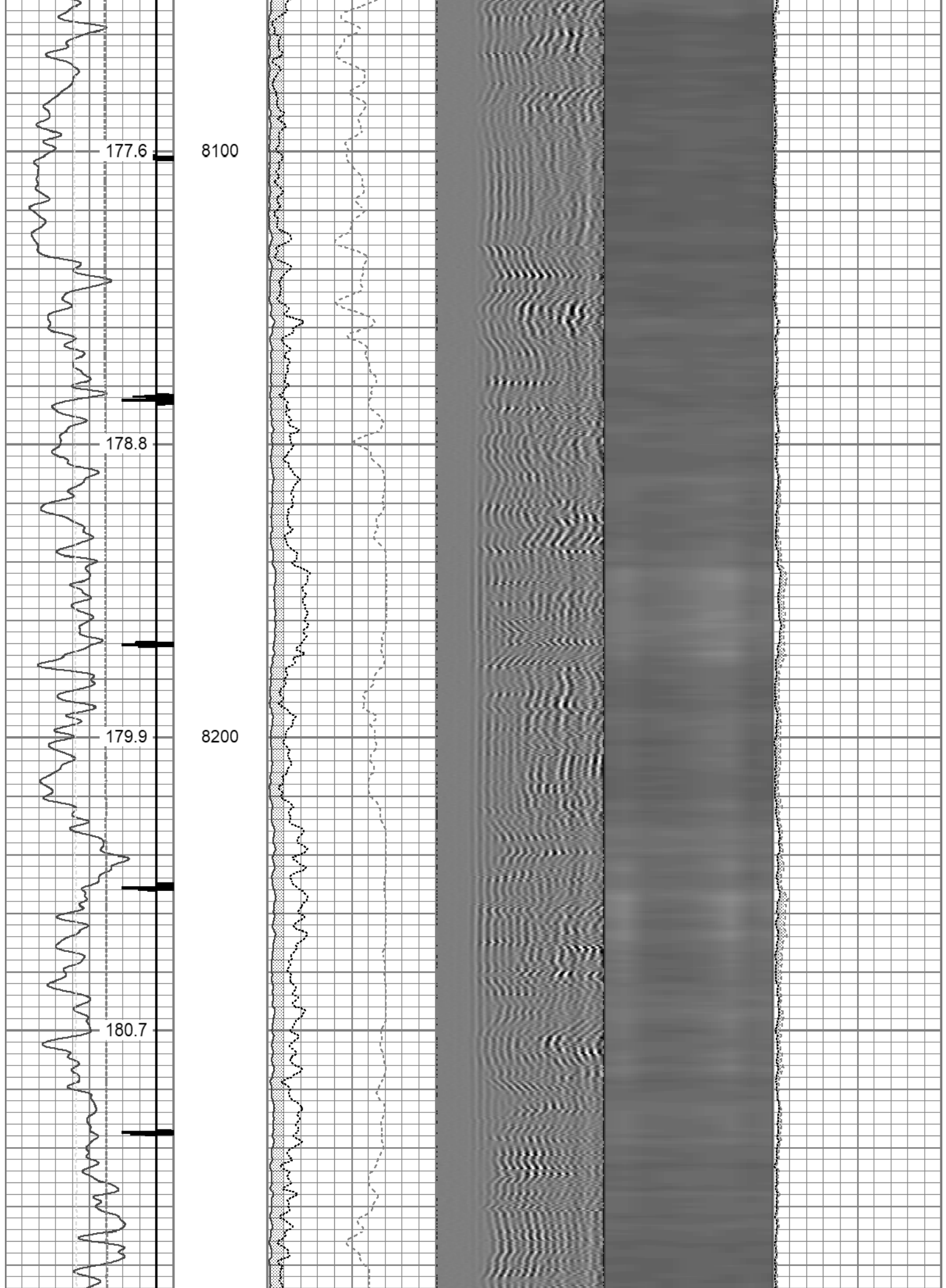


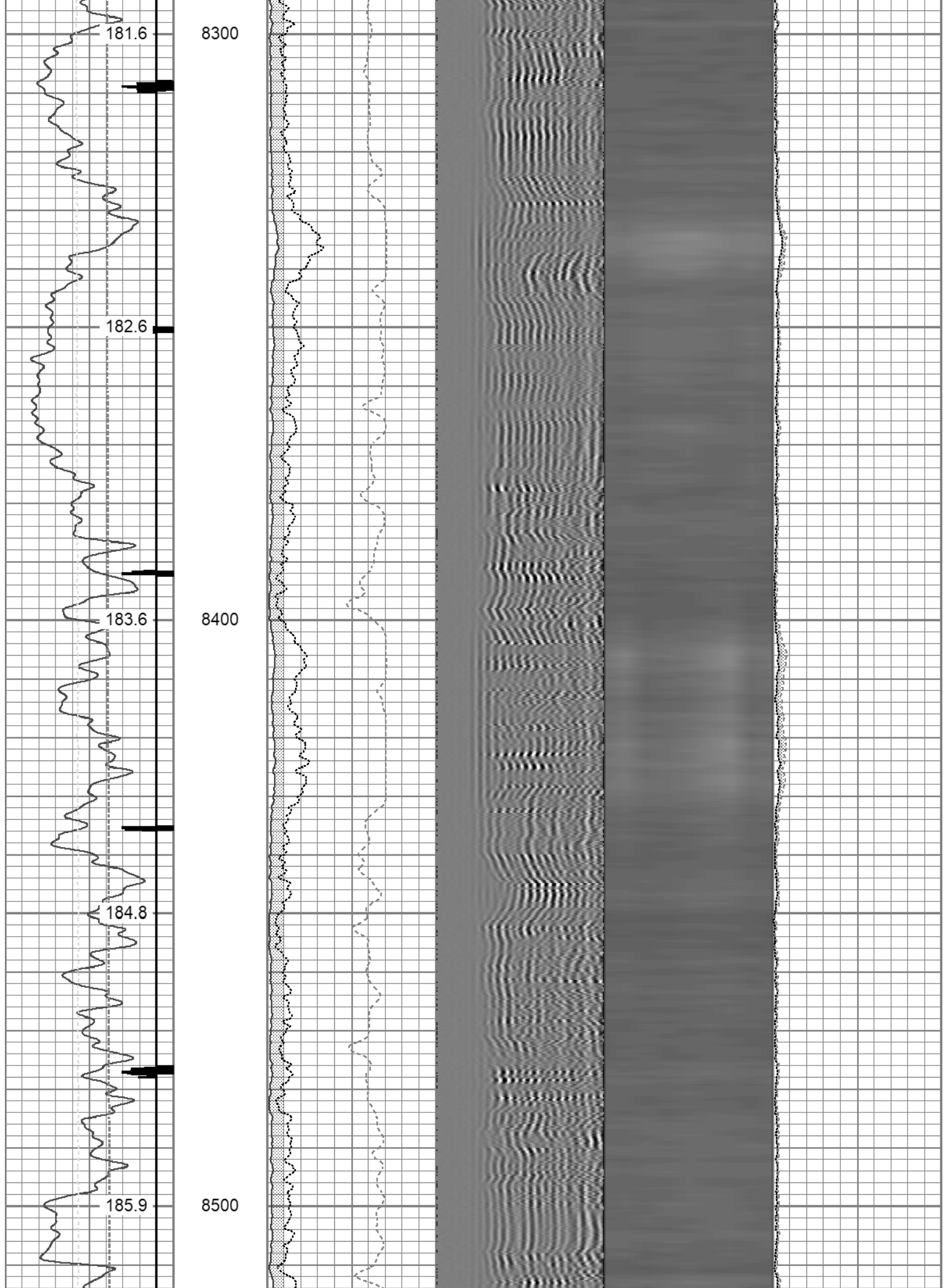


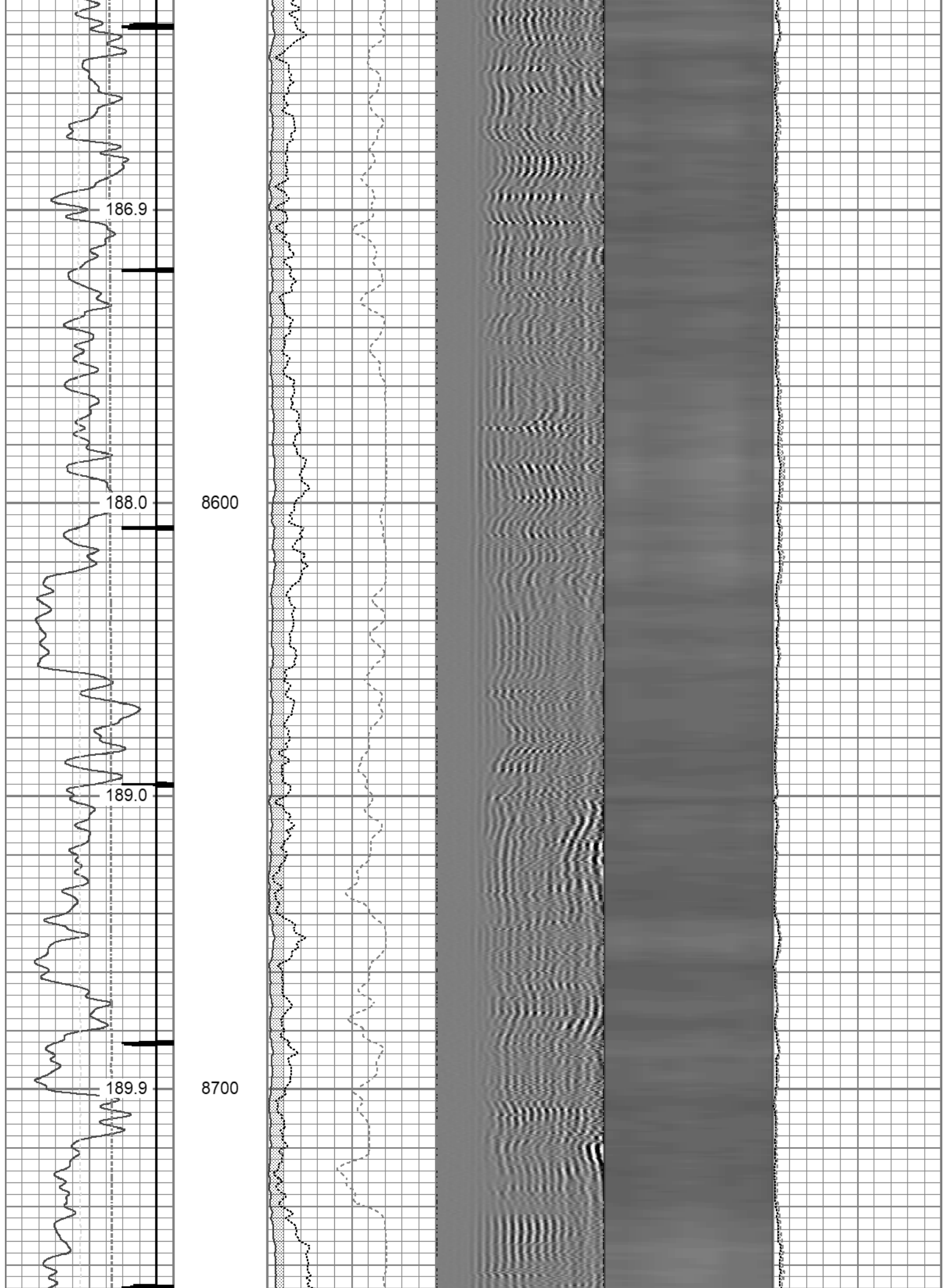


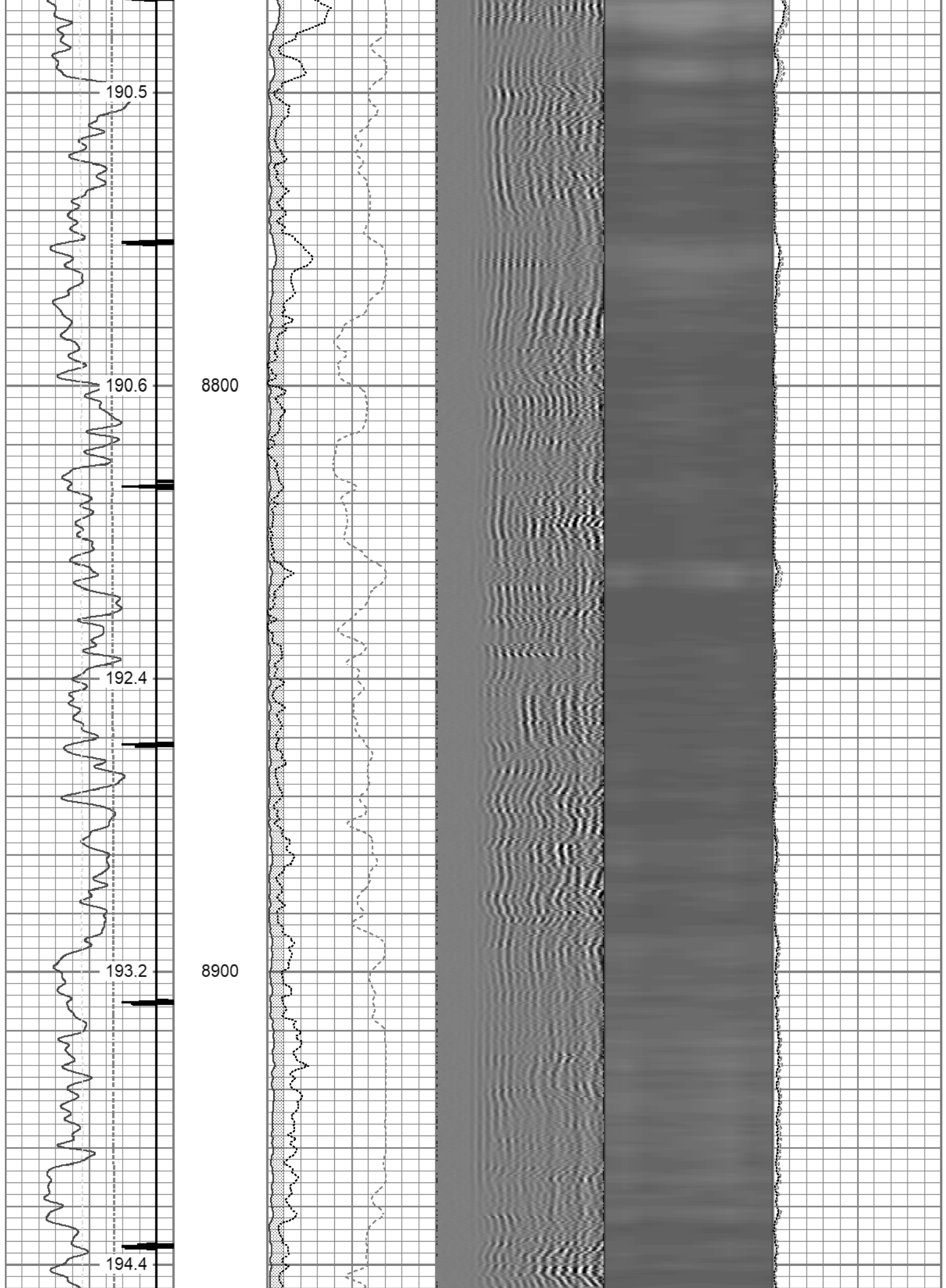


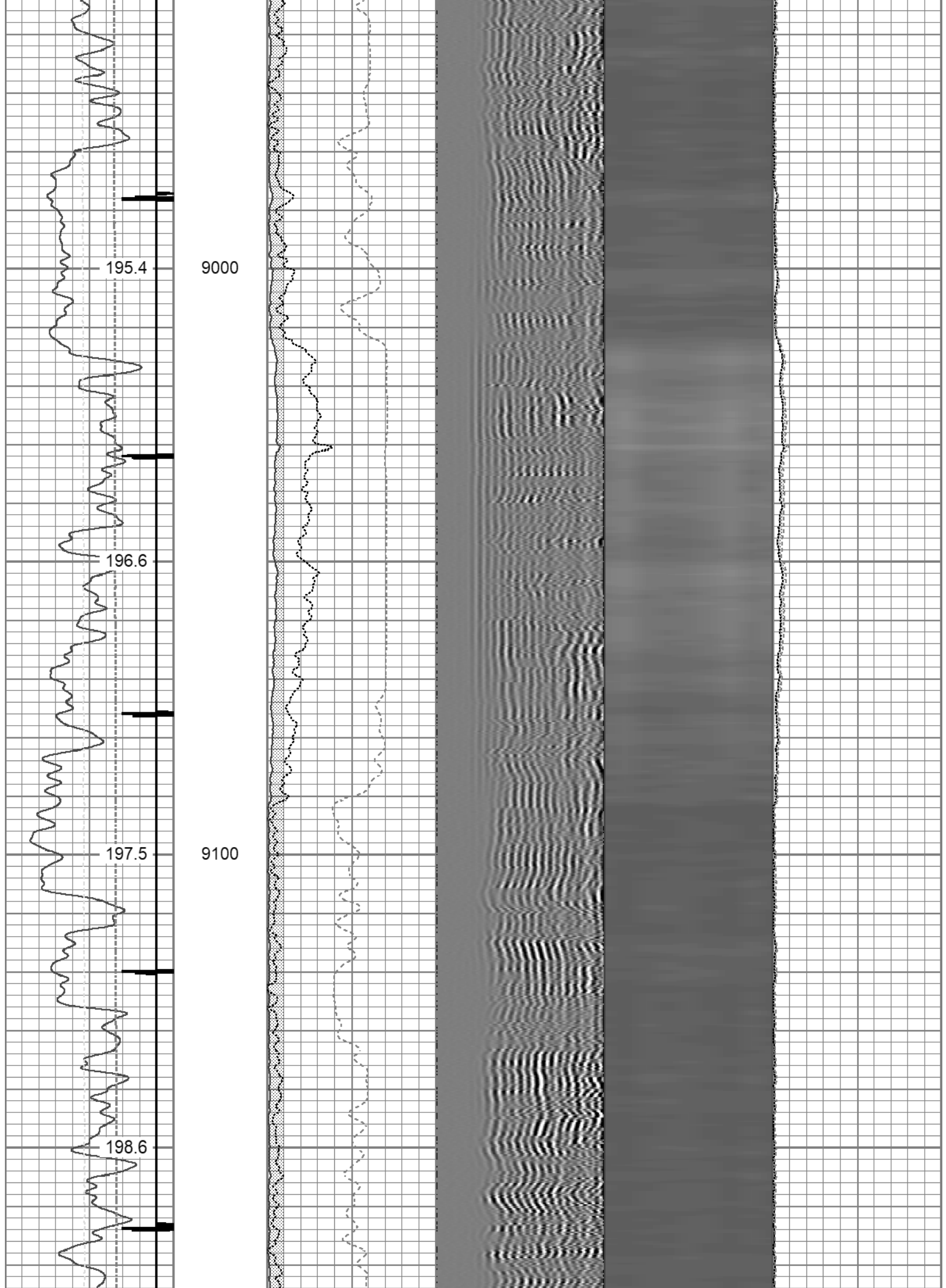


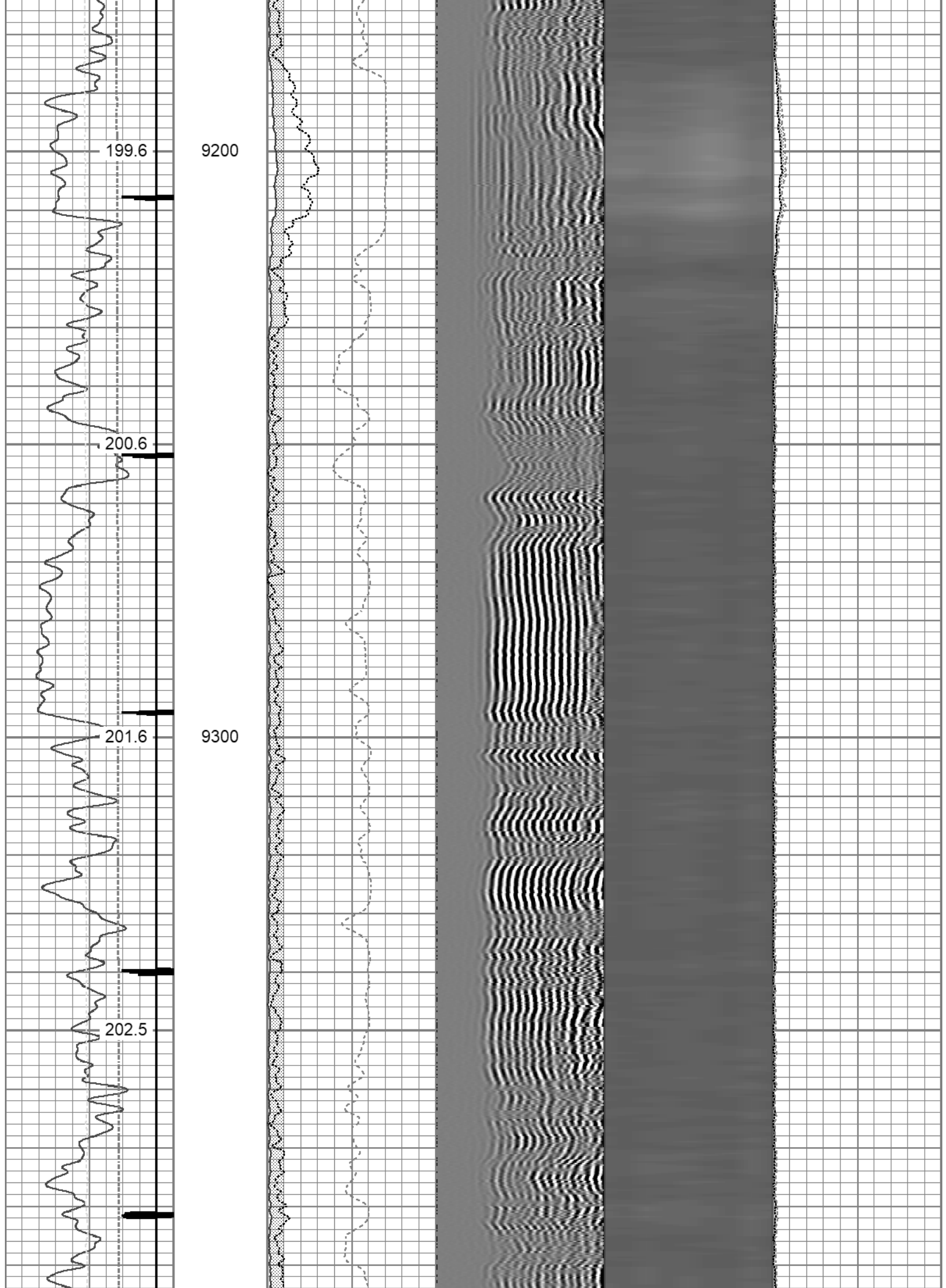




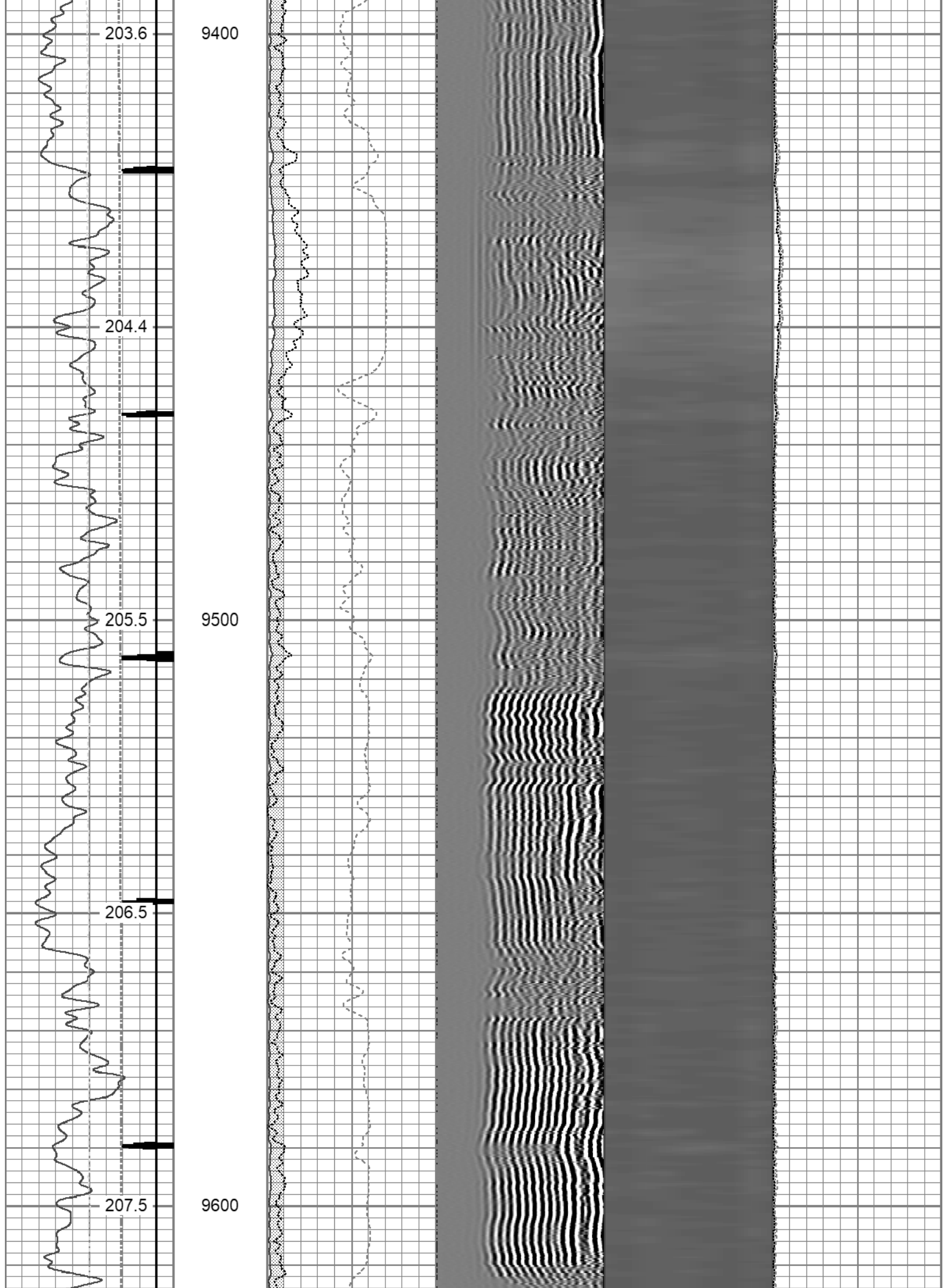


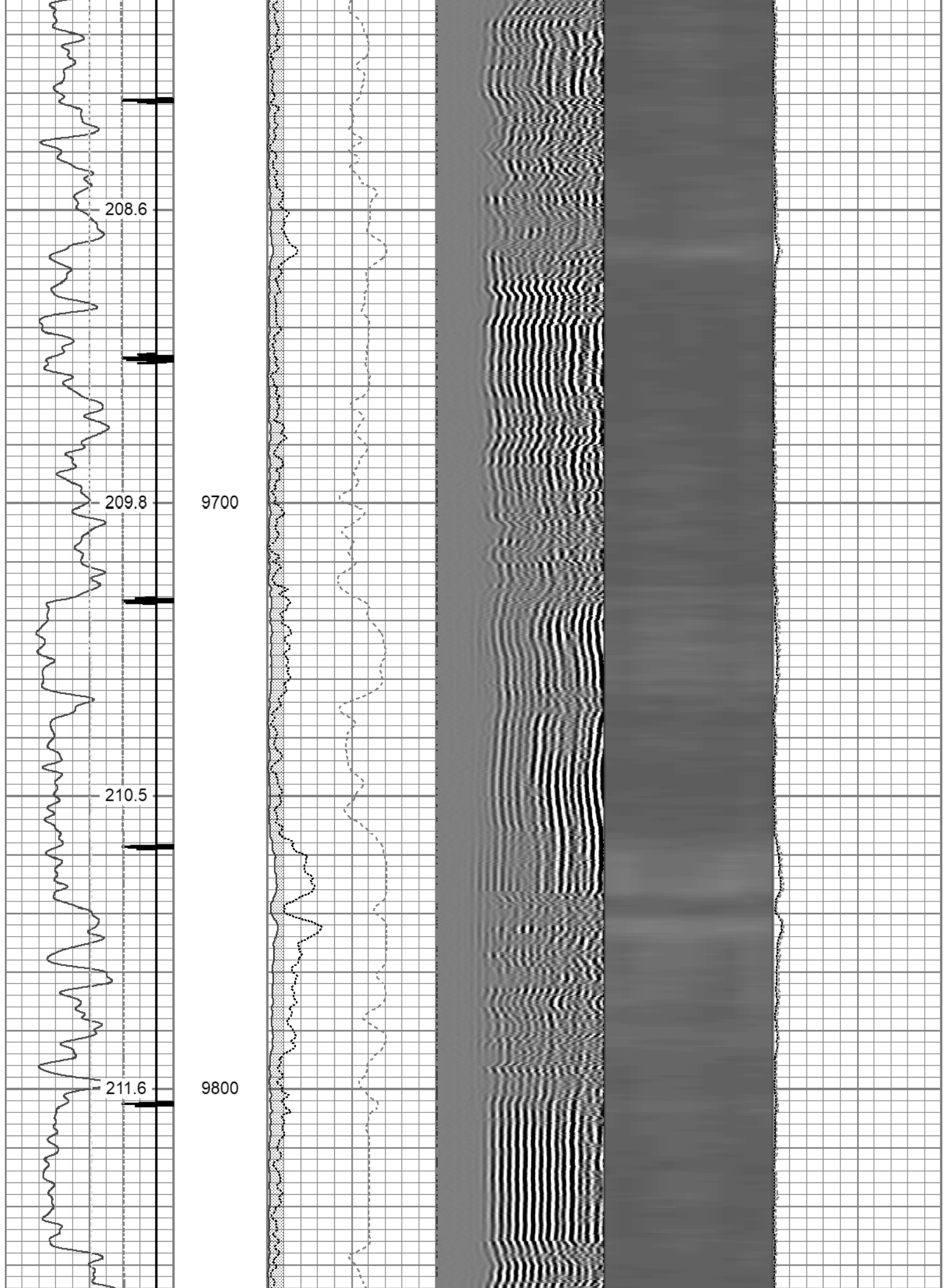


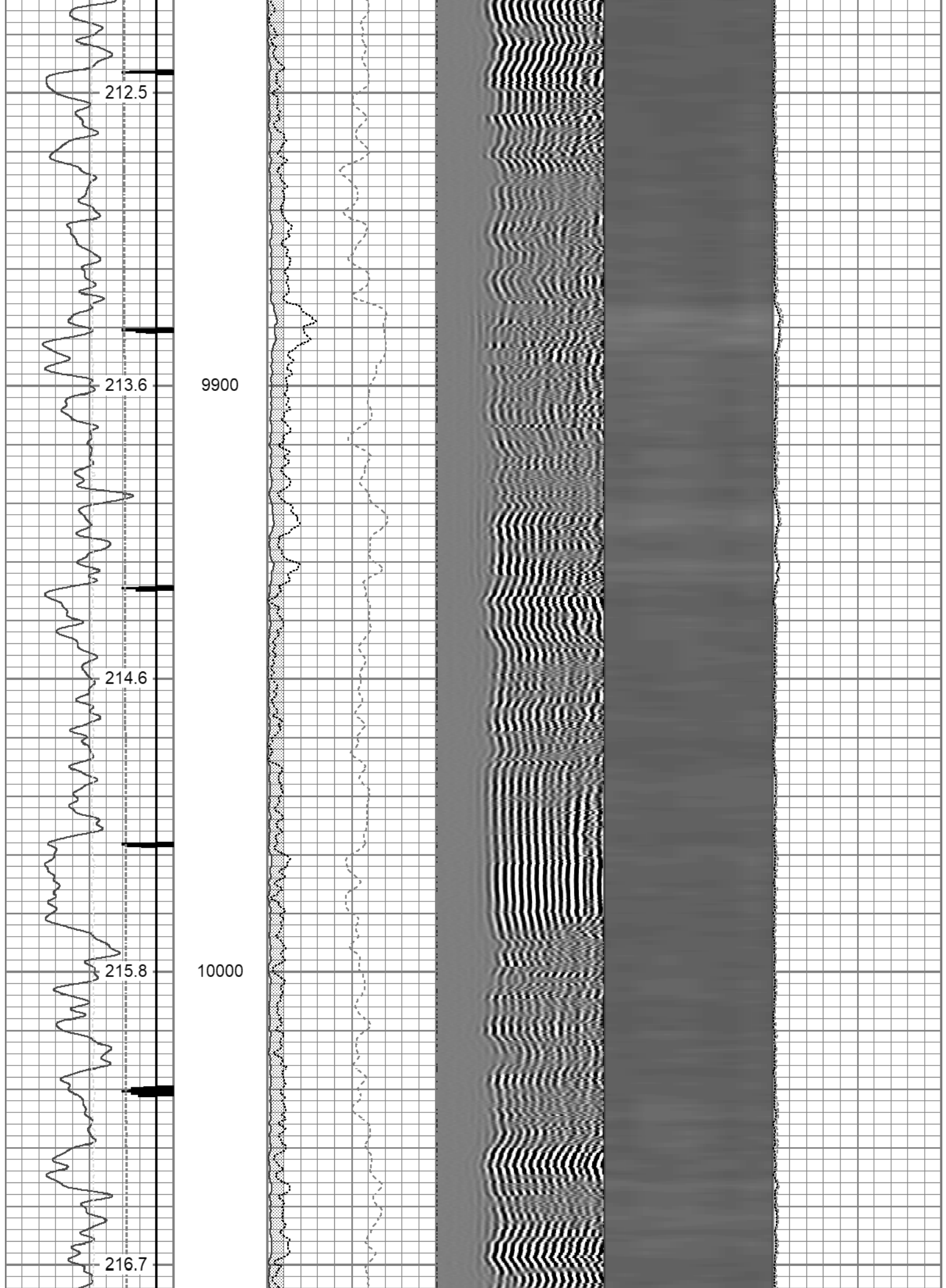


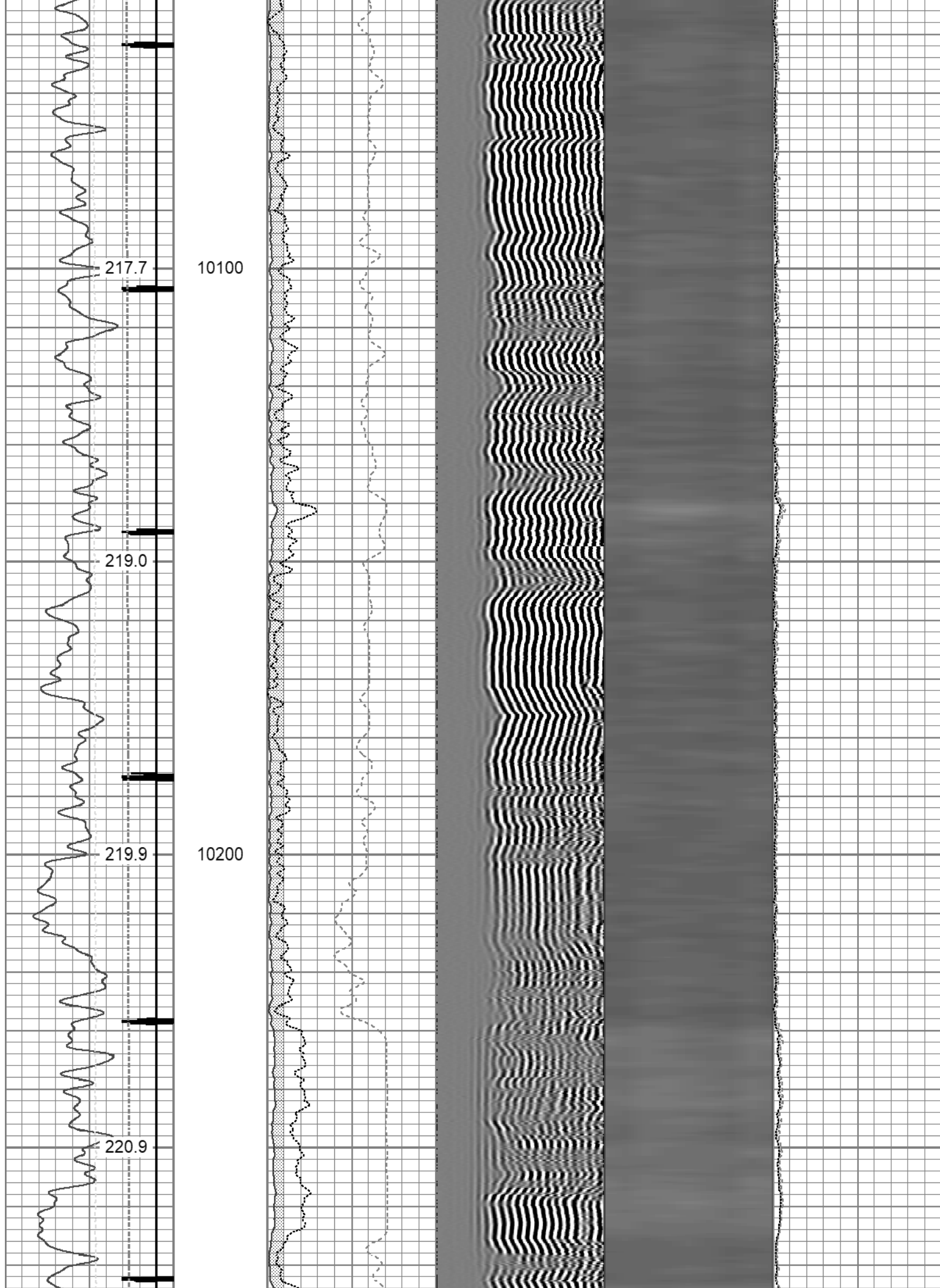


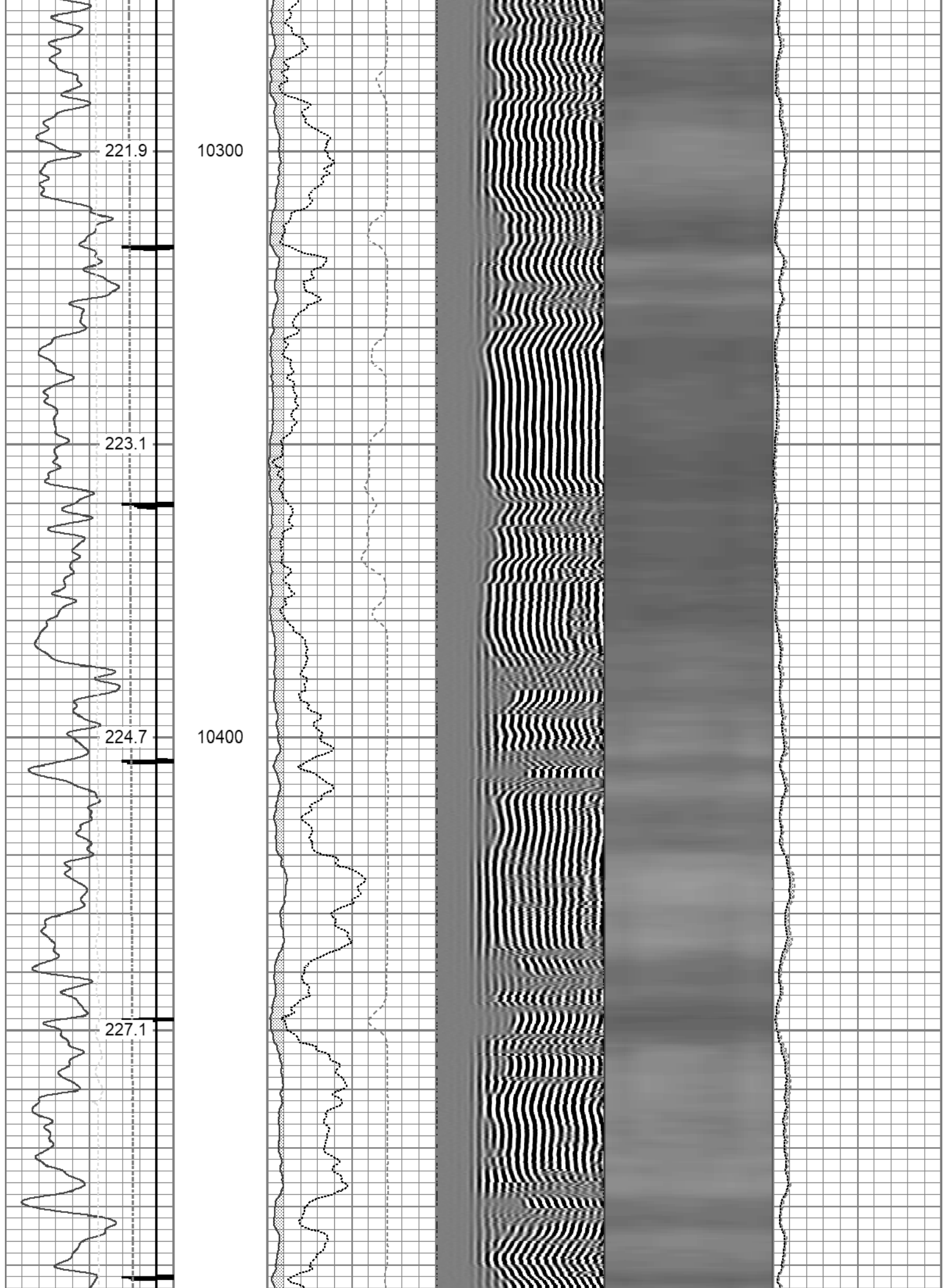


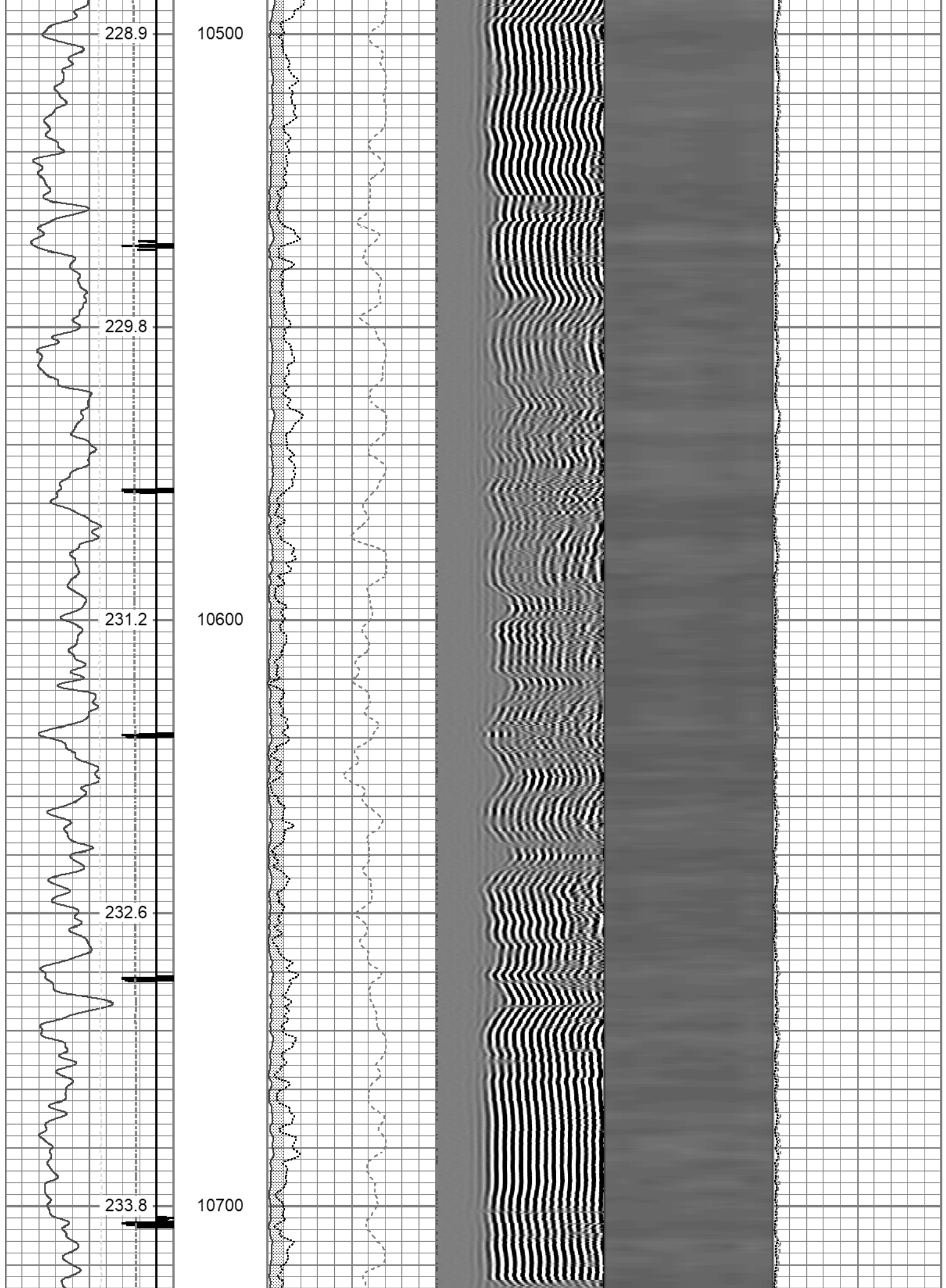


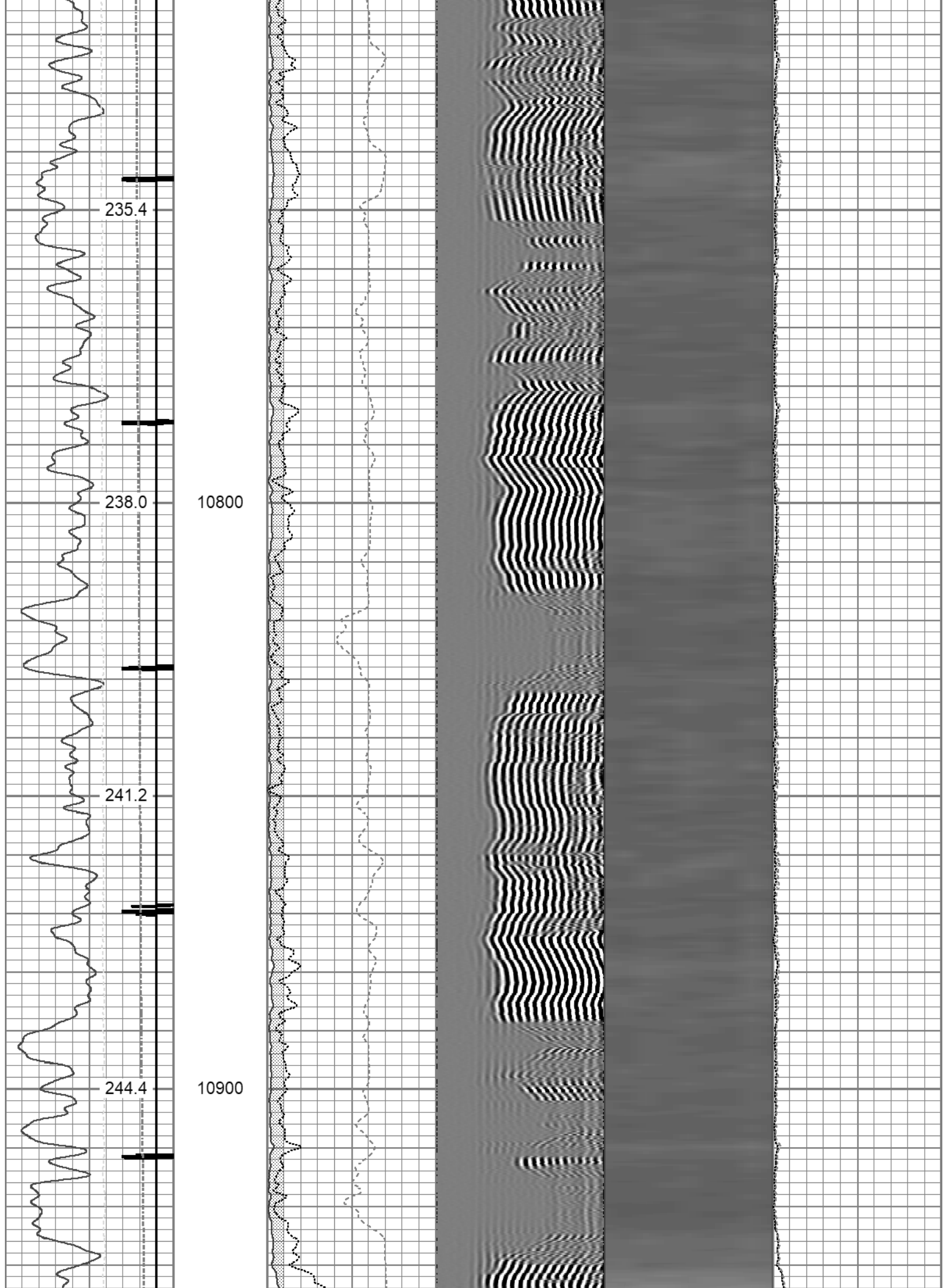




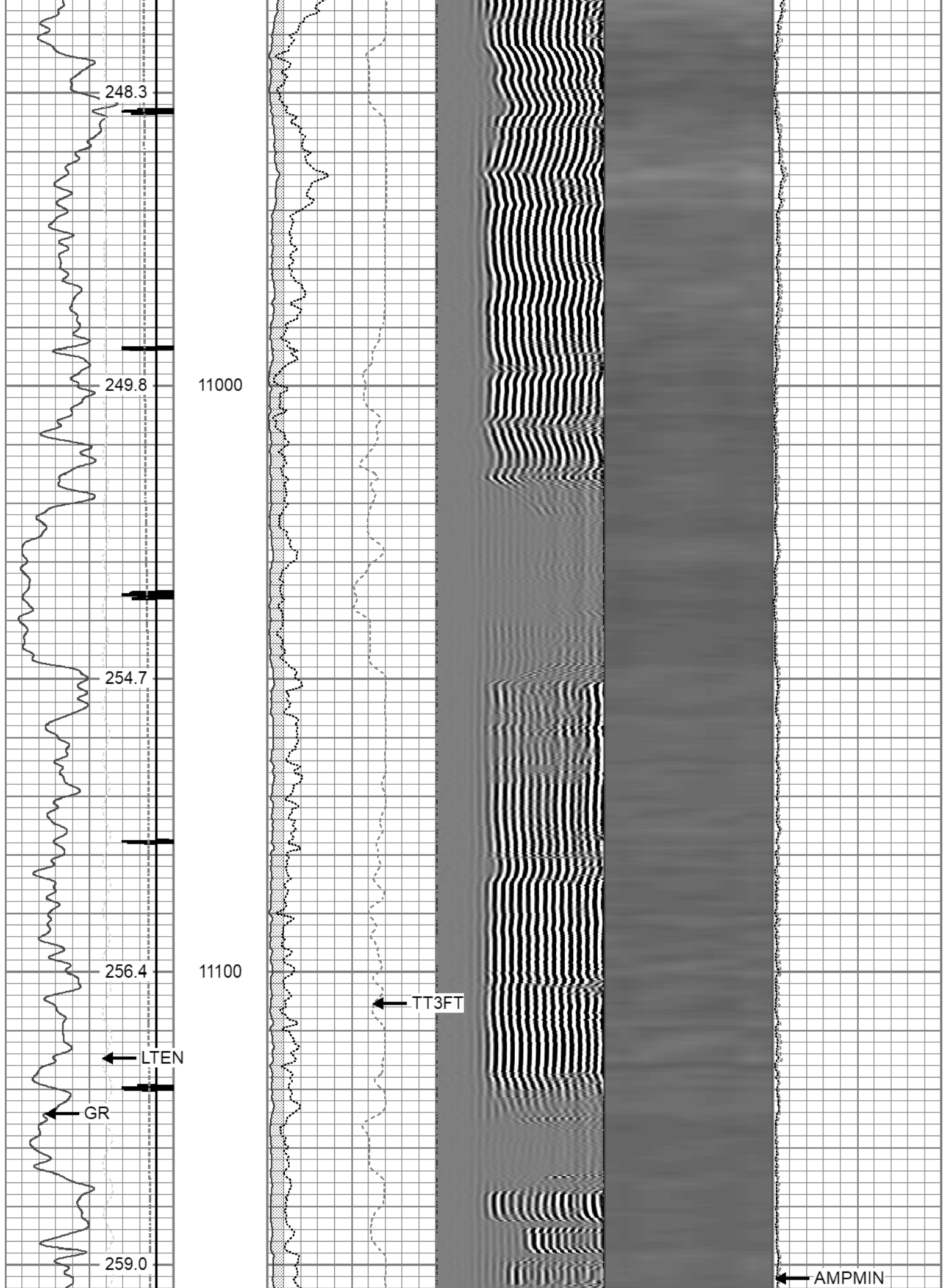




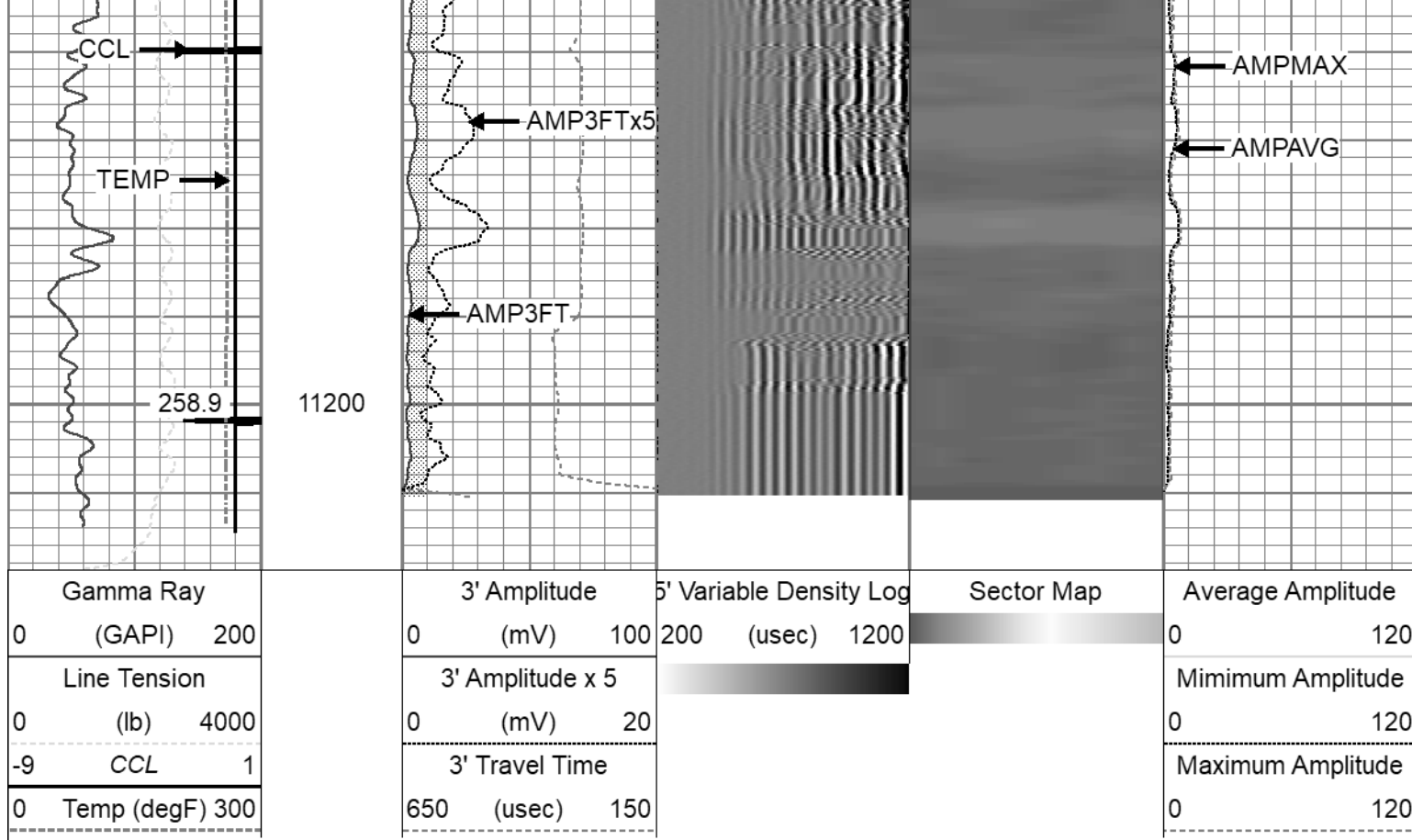








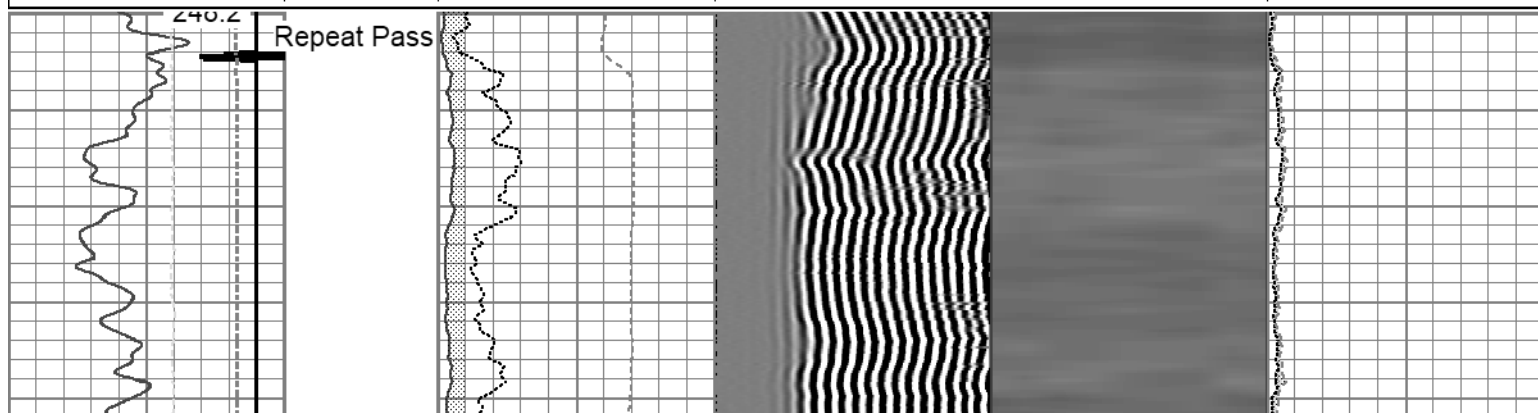
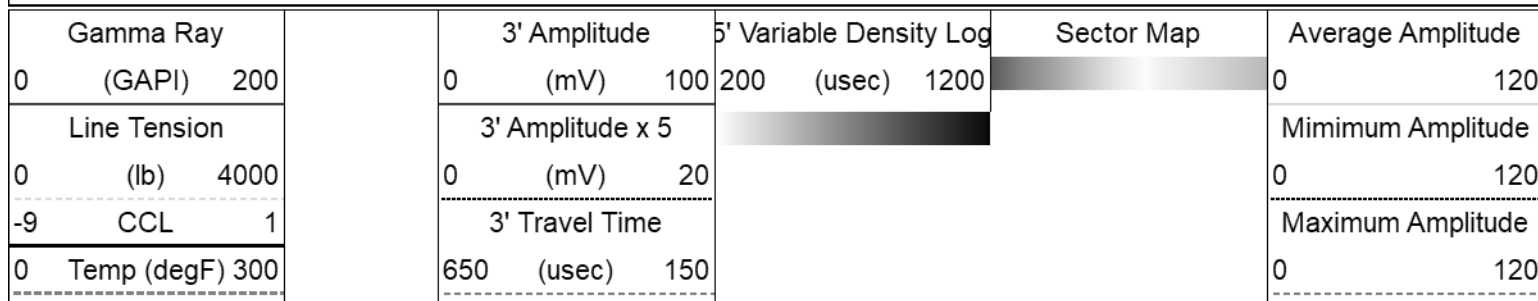


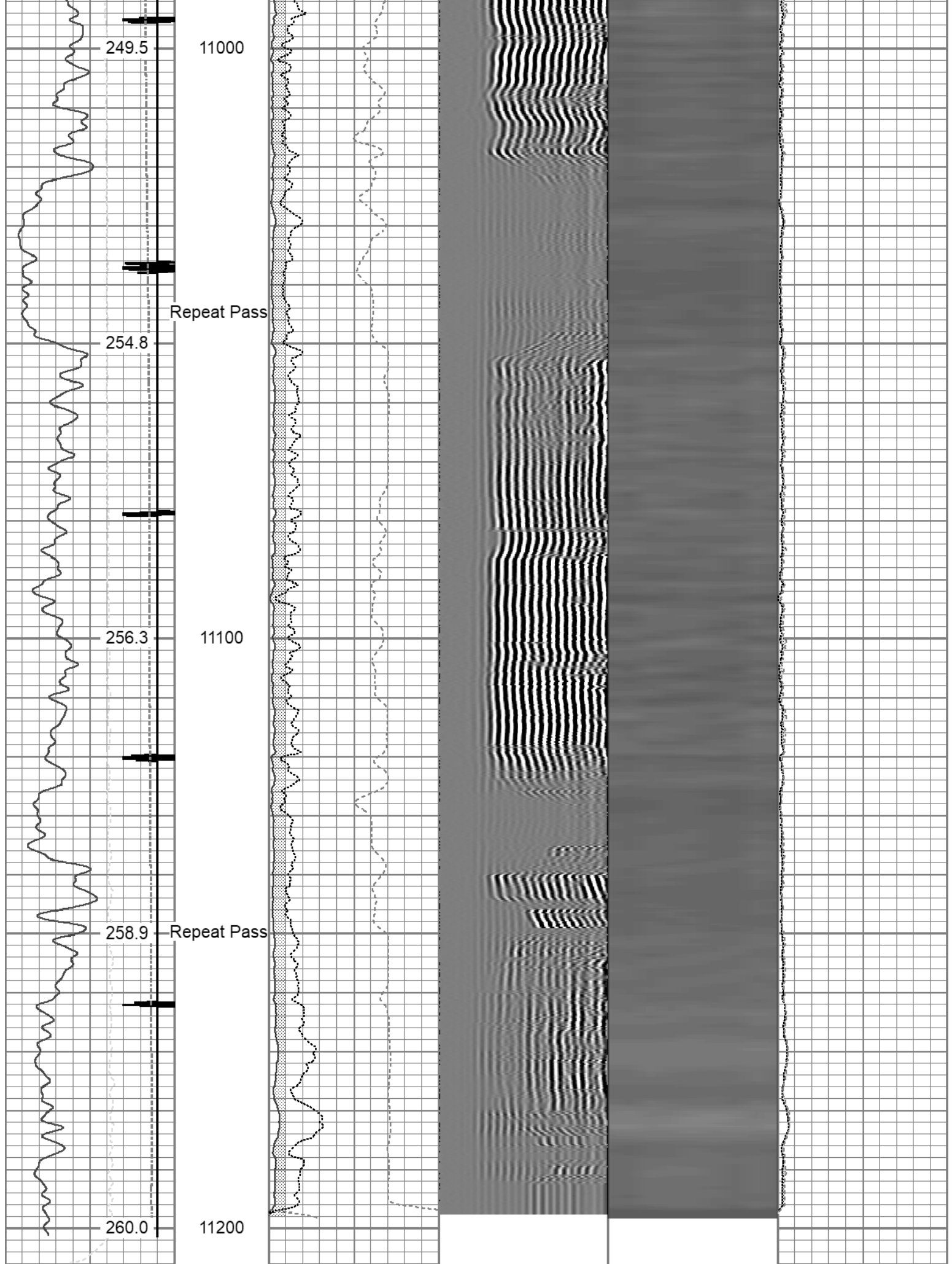




Repeat Pass 5" = 100'

|                     |                                     |
|---------------------|-------------------------------------|
| Database File       | tep_wmc fed 332-20_rcbl_1-4-2023.db |
| Dataset Pathname    | repeat                              |
| Presentation Format | twgrcbl                             |
| Dataset Creation    | Wed Jan 04 07:24:21 2023            |
| Charted by          | Depth in Feet scaled 1:240          |





Gamma Ray

3' Amplitude

5' Variable Density Log

Sector Map

Average Amplitude

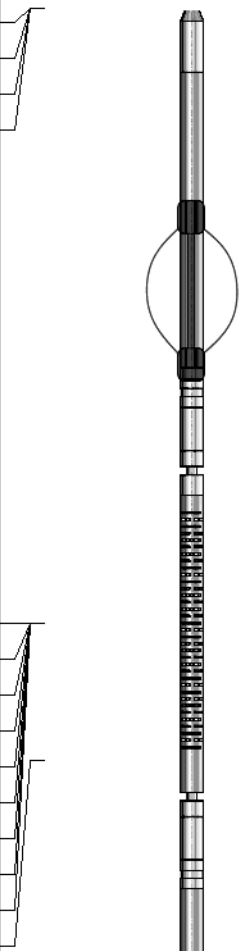
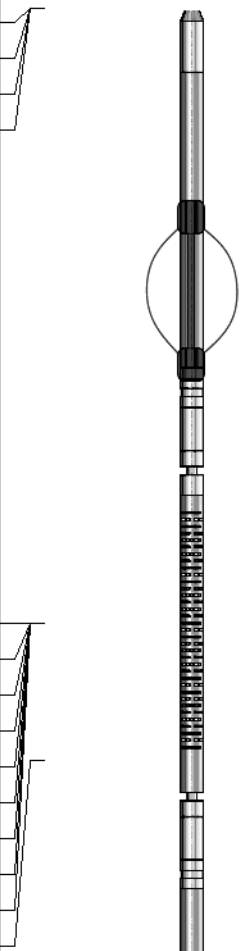
|              |             |      |                  |        |     |     |        |      |   |                   |
|--------------|-------------|------|------------------|--------|-----|-----|--------|------|---|-------------------|
| 0            | (GAPI)      | 200  | 0                | (mV)   | 100 | 200 | (usec) | 1200 | 0 | 120               |
| Line Tension |             |      | 3' Amplitude x 5 |        |     |     |        |      |   | Minimum Amplitude |
| 0            | (lb)        | 4000 | 0                | (mV)   | 20  |     |        |      |   | 0 120             |
| -9           | CCL         | 1    | 3' Travel Time   |        |     |     |        |      |   | Maximum Amplitude |
| 0            | Temp (degF) | 300  | 650              | (usec) | 150 |     |        |      |   | 0 120             |

| Calibration Report   |                                     |          |                 |         |         |        |
|--|-------------------------------------|----------|-----------------|---------|---------|--------|
| Database File  | tep_wmc fed 332-20_rcbl_1-4-2023.db |          |                 |         |         |        |
| Dataset Pathname   | main                                |          |                 |         |         |        |
| Dataset Creation   | Wed Jan 04 07:34:23 2023            |          |                 |         |         |        |
| Gamma Ray Calibration Report                               |                                     |          |                 |         |         |        |
| Serial Number:   | FW1311-93                           |          |                 |         |         |        |
| Tool Model:  | GCT275-0000                         |          |                 |         |         |        |
| Performed:   | Thu Dec 29 18:15:38 2022            |          |                 |         |         |        |
| Calibrator Value:  | 168.0                               | GAPI     |                 |         |         |        |
| Background Reading:  | 69.0                                | cps      |                 |         |         |        |
| Calibrator Reading:  | 299.3                               | cps      |                 |         |         |        |
| Sensitivity:   | 0.7294                              | GAPI/cps |                 |         |         |        |
| Segmented Cement Bond Log Calibration Report               |                                     |          |                 |         |         |        |
| Serial Number:   | FW1312-30                           |          |                 |         |         |        |
| Tool Model:  | Probe275acc                         |          |                 |         |         |        |
| Calibration Casing Diameter:                               | 4.500                               | in       |                 |         |         |        |
| Calibration Depth:   | 278.924                             | ft       |                 |         |         |        |
| Master Calibration, performed Tue Jan 3 07:14:00 2023:     |                                     |          |                 |         |         |        |
|  | Raw (v)                             |          | Calibrated (mv) |         | Results |        |
|  | Zero                                | Cal      | Zero            | Cal     | Gain    | Offset |
| 3'   | 0.004                               | 0.511    | 0.000           | 81.196  | 147.744 | -0.671 |
| CAL  | 0.003                               | 0.764    |                 |         |         |        |
| 5'   | 0.013                               | 0.470    | 0.000           | 81.196  | 189.928 | -2.321 |
| SUM  |                                     |          |                 |         |         |        |
| S1   | 0.005                               | 0.516    | 0.000           | 100.000 | 185.992 | -1.072 |
| S2   | 0.007                               | 0.547    | 0.000           | 100.000 | 179.809 | -1.220 |
| S3   | 0.004                               | 0.492    | 0.000           | 100.000 | 179.337 | -0.921 |
| S4   | 0.005                               | 0.532    | 0.000           | 100.000 | 175.506 | -0.867 |
| S5   | 0.004                               | 0.528    | 0.000           | 100.000 | 172.552 | -0.669 |
| S6   | 0.005                               | 0.528    | 0.000           | 100.000 | 172.189 | -0.946 |
| S7   | 0.006                               | 0.551    | 0.000           | 100.000 | 176.780 | -1.127 |
| S8   | 0.004                               | 0.486    | 0.000           | 100.000 | 186.883 | -0.747 |
| Internal Reference Calibration, performed (Not Performed): |                                     |          |                 |         |         |        |
|  | Raw (v)                             |          | Calibrated (v)  |         | Results |        |
|  | Zero                                | Cal      | Zero            | Cal     | Gain    | Offset |
| CAL  | 0.000                               | 0.000    | 0.003           | 0.764   | 1.000   | 0.000  |

|     | Raw (v) | Calibrated (v) | Results |
|-----|---------|----------------|---------|
|     | Zero    | Zero           | Offset  |
| 3'  | 0.000   | 0.000          | 0.000   |
| 5'  | 0.000   | 0.000          | 0.000   |
| SUM |         |                |         |
| S1  | 0.000   | 0.000          | 0.000   |
| S2  | 0.000   | 0.000          | 0.000   |
| S3  | 0.000   | 0.000          | 0.000   |
| S4  | 0.000   | 0.000          | 0.000   |
| S5  | 0.000   | 0.000          | 0.000   |
| S6  | 0.000   | 0.000          | 0.000   |
| S7  | 0.000   | 0.000          | 0.000   |
| S8  | 0.000   | 0.000          | 0.000   |

## Inclinometer Calibration Report

|                 |                          |            |          |           |     |
|-----------------|--------------------------|------------|----------|-----------|-----|
| Performed:      | Thu Jul 28 15:46:49 2022 |            |          |           |     |
|                 | Low Read.                | High Read. | Low Ref. | High Ref. |     |
| X Accelerometer | -931.00                  | 904.00     | -1.00    | 1.00      | gee |
| Y Accelerometer | -899.00                  | 884.00     | -1.00    | 1.00      | gee |
| Z Accelerometer | 1.47                     | 886.18     | 0.00     | 1.00      | gee |

| Sensor     | Offset (ft) | Schematic   | Description  | Length (ft) | O.D. (in) | Weight (lb) |
|------------|-------------|---|--|-------------|-----------|-------------|
| GCT_FMWR   | 13.85       |  |  |             |           |             |
| mSec_Count | 13.85       |   |  |             |           |             |
| RBT_Status | 13.85       |   |  |             |           |             |
| Error_Ct   | 13.85       |   |  |             |           |             |
|            |             |   | SO BS CENT-2750-4500<br>Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow<br>Spring Centralizer | 1.33        | 3.25      | 10.00       |
|            |             |   | RBT8acc-Probe275acc (FW1312-30)<br>2.75" Radial Corrosion with accelerometer                   | 8.75        | 2.75      | 110.00      |
| WVFS8      | 9.35        |  |  |             |           |             |
| WVFS7      | 9.35        |   |  |             |           |             |
| WVFS6      | 9.35        |   |  |             |           |             |
| WVFS5      | 9.35        |   |  |             |           |             |
| WVFS4      | 9.35        |   |  |             |           |             |
| WVFS3      | 9.35        |   |  |             |           |             |
| WVFS2      | 9.35        |   |  |             |           |             |
| WVFS1      | 9.35        |   |  |             |           |             |
| WVF3FT     | 9.35        |   |  |             |           |             |
| WVF5ET     | 8.35        |   |  |             |           |             |

