



<<< Fold Here >>>

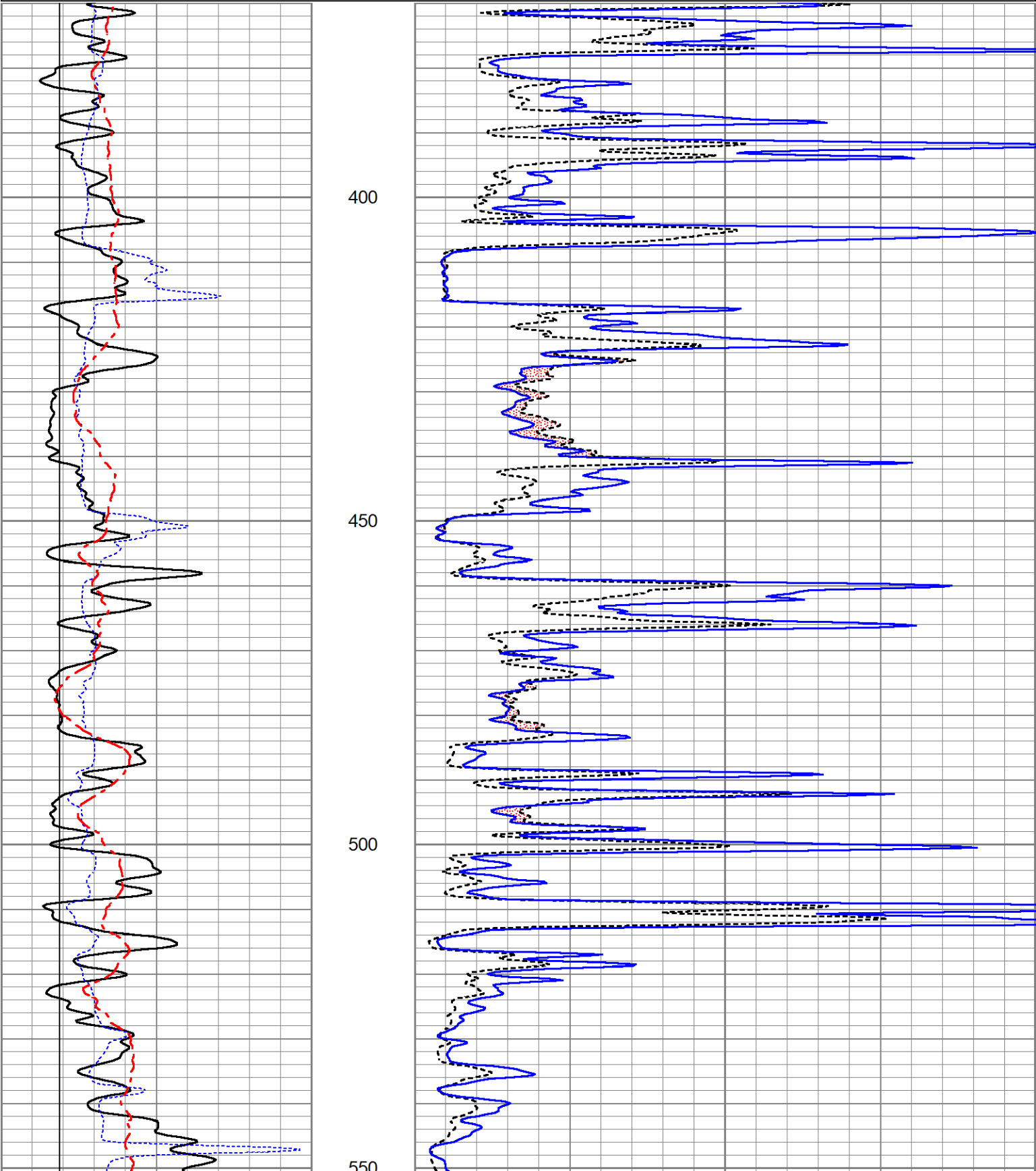
Comments



# 5" MICROLOG

|                     |                            |
|---------------------|----------------------------|
| Database File       | ow2-9336 val energy.db     |
| Dataset Pathname    | pass2.5                    |
| Presentation Format | mmdigitalmicro             |
| Dataset Creation    | Wed Apr 17 12:22:41 2024   |
| Charted by          | Depth in Feet scaled 1:240 |

|    |                            |     |   |                       |    |
|----|----------------------------|-----|---|-----------------------|----|
| 0  | Gamma Ray (GAPI)           | 150 | 0 | Micro Normal (Ohm-m)  | 40 |
| 6  | Micro Caliper (in)         | 16  | 0 | Micro Inverse (Ohm-m) | 40 |
| 6  | Bit Size (in)              | 16  |   |                       |    |
| 75 | Spontaneous Potential (mV) | 225 |   |                       |    |



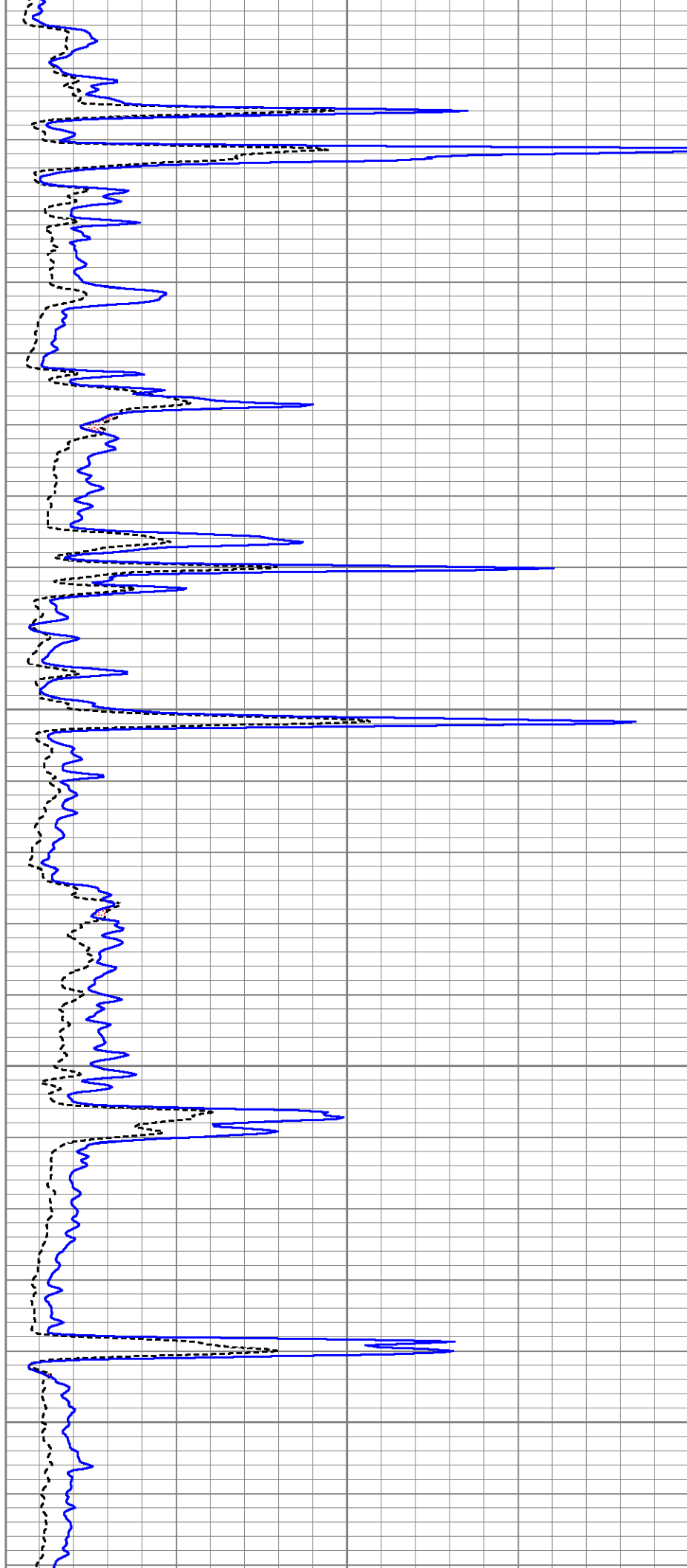
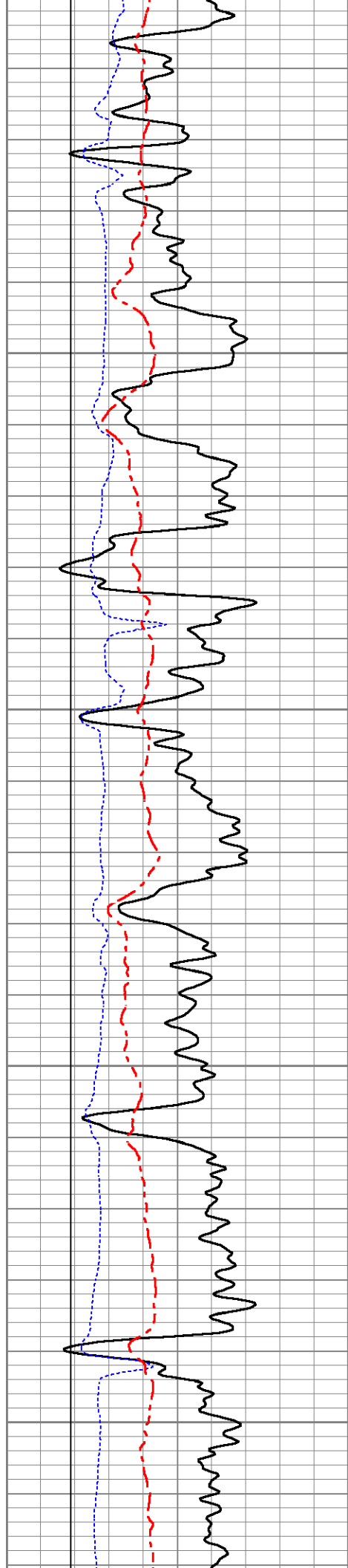
800

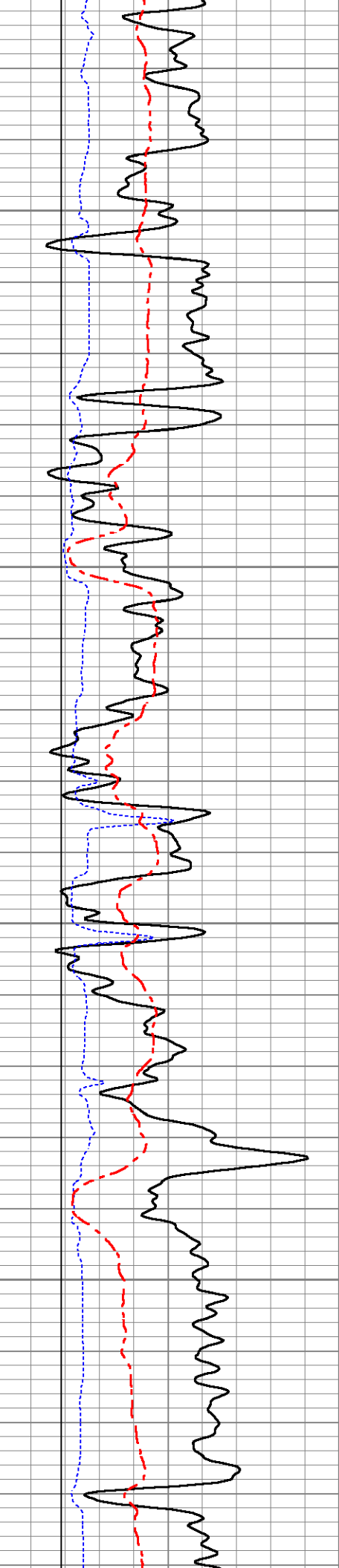
600

650

700

750



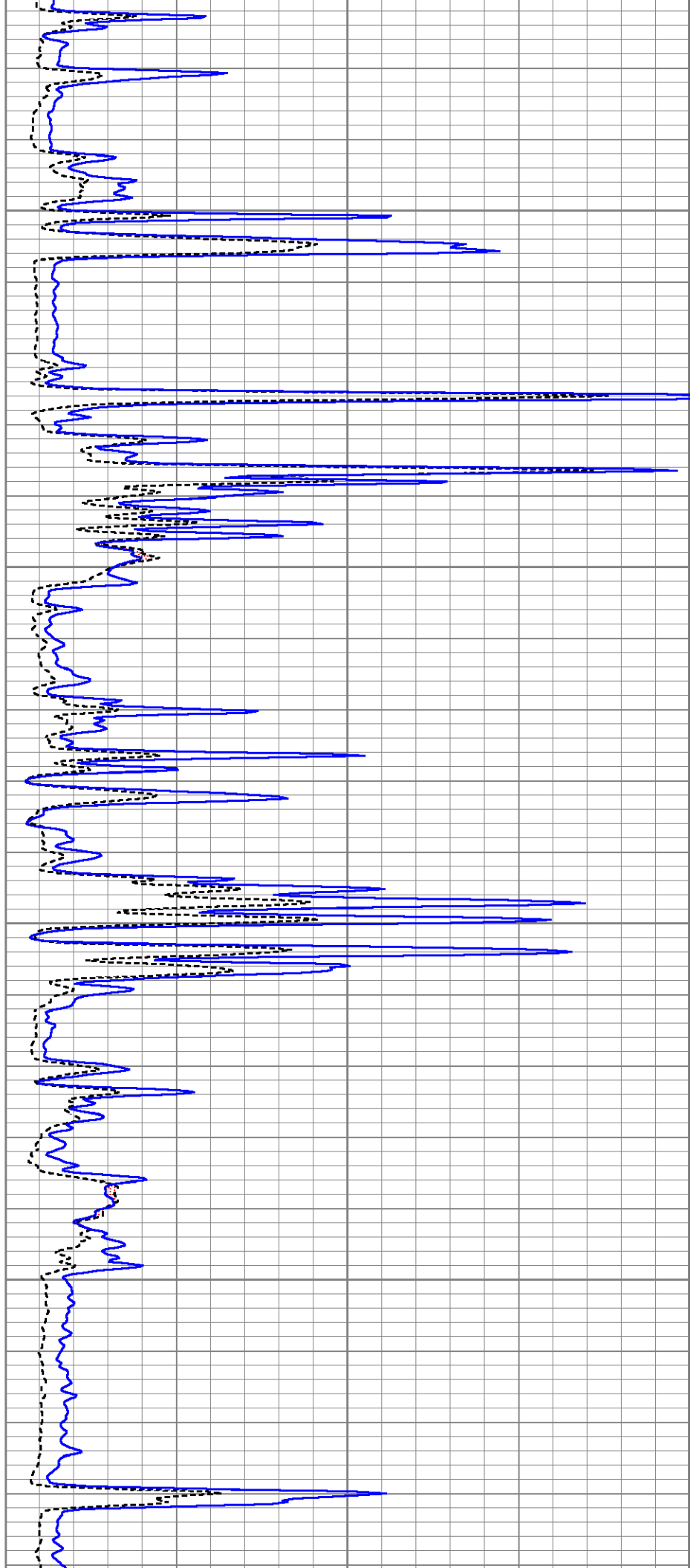


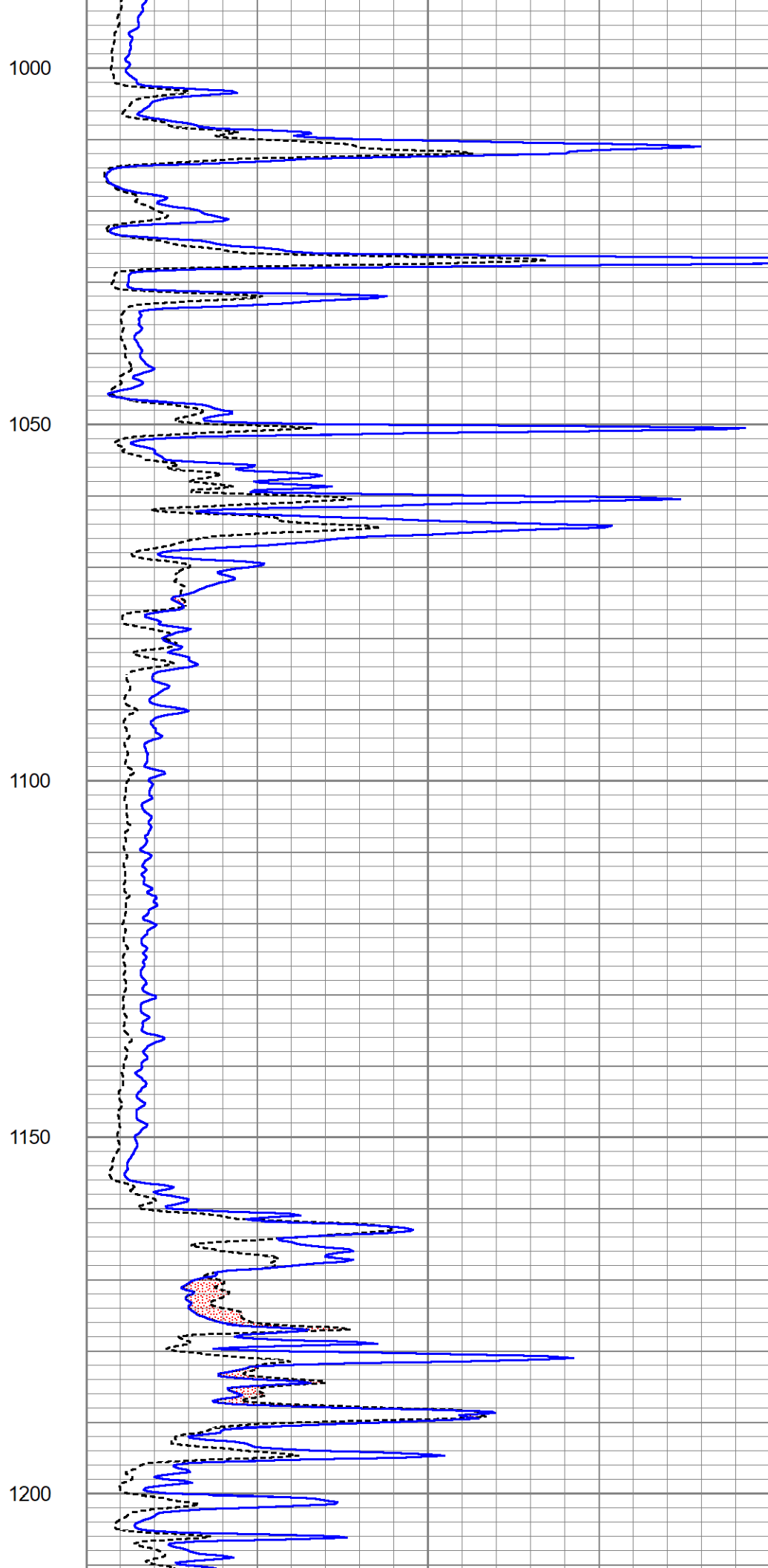
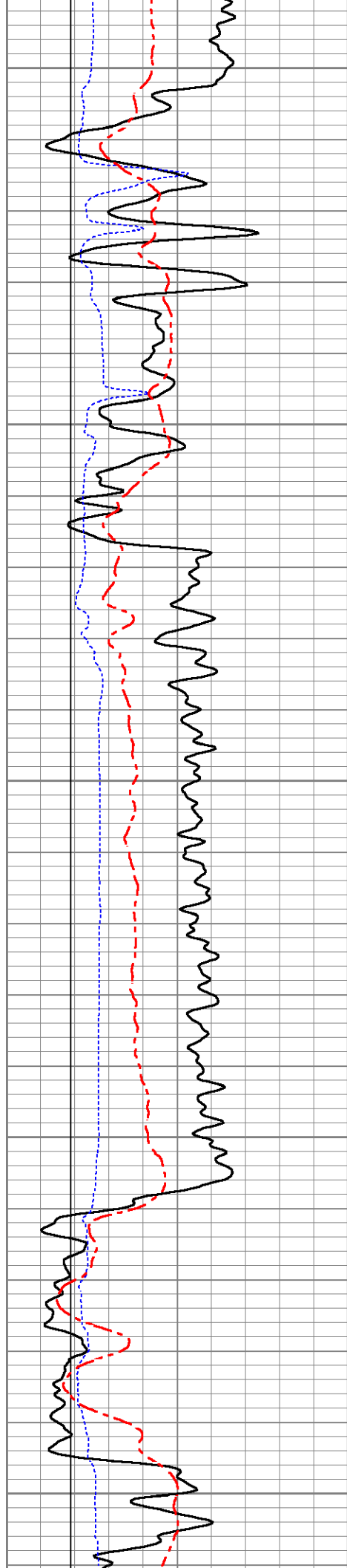
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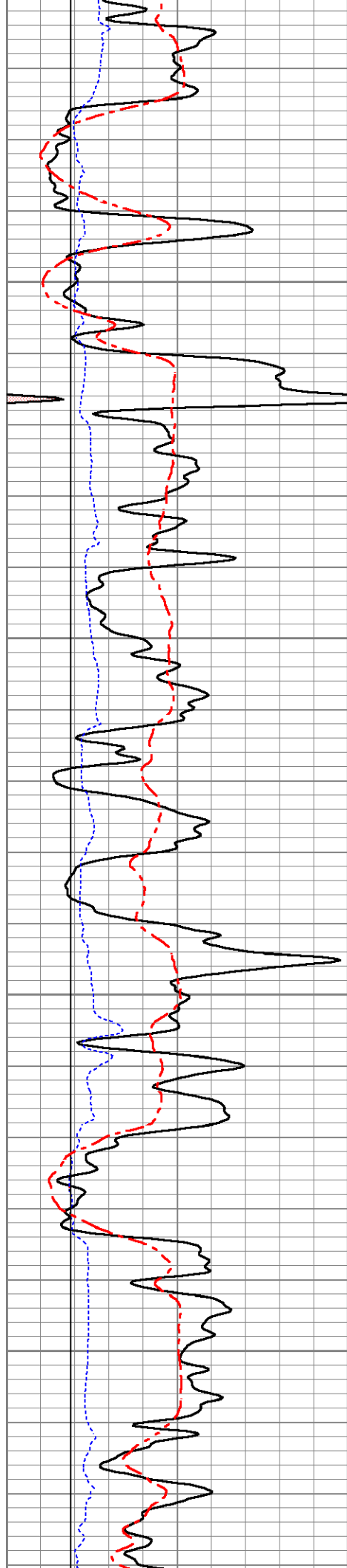
850

900

950





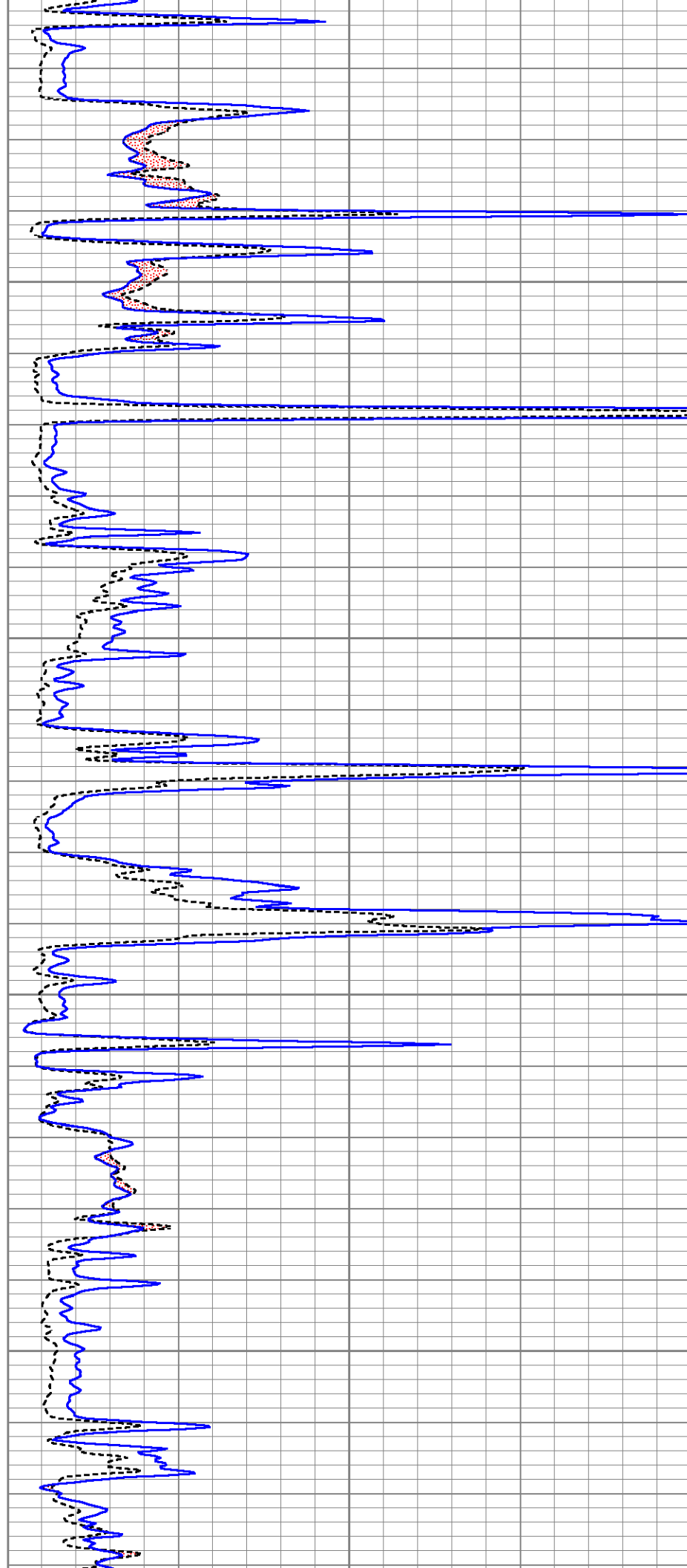


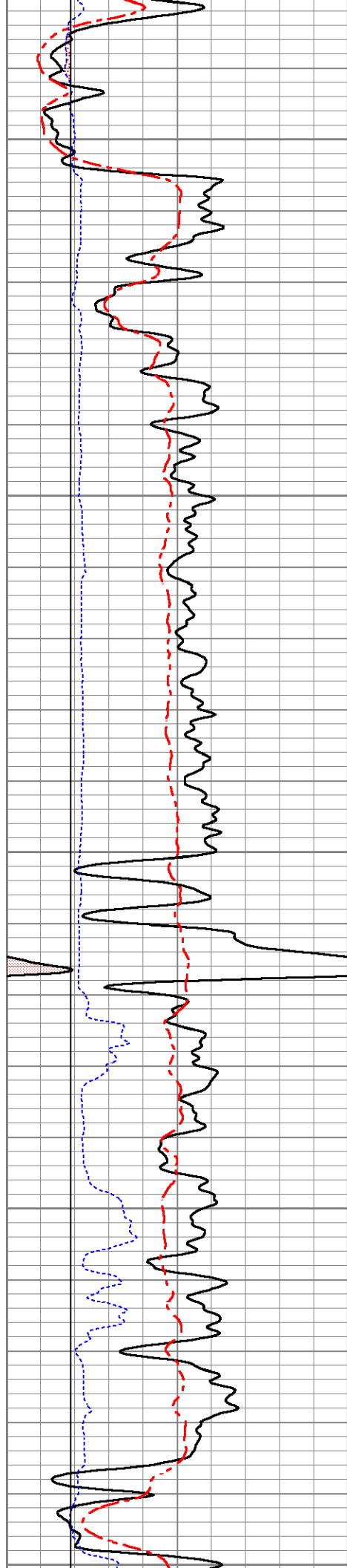
1250

1300

1350

1400





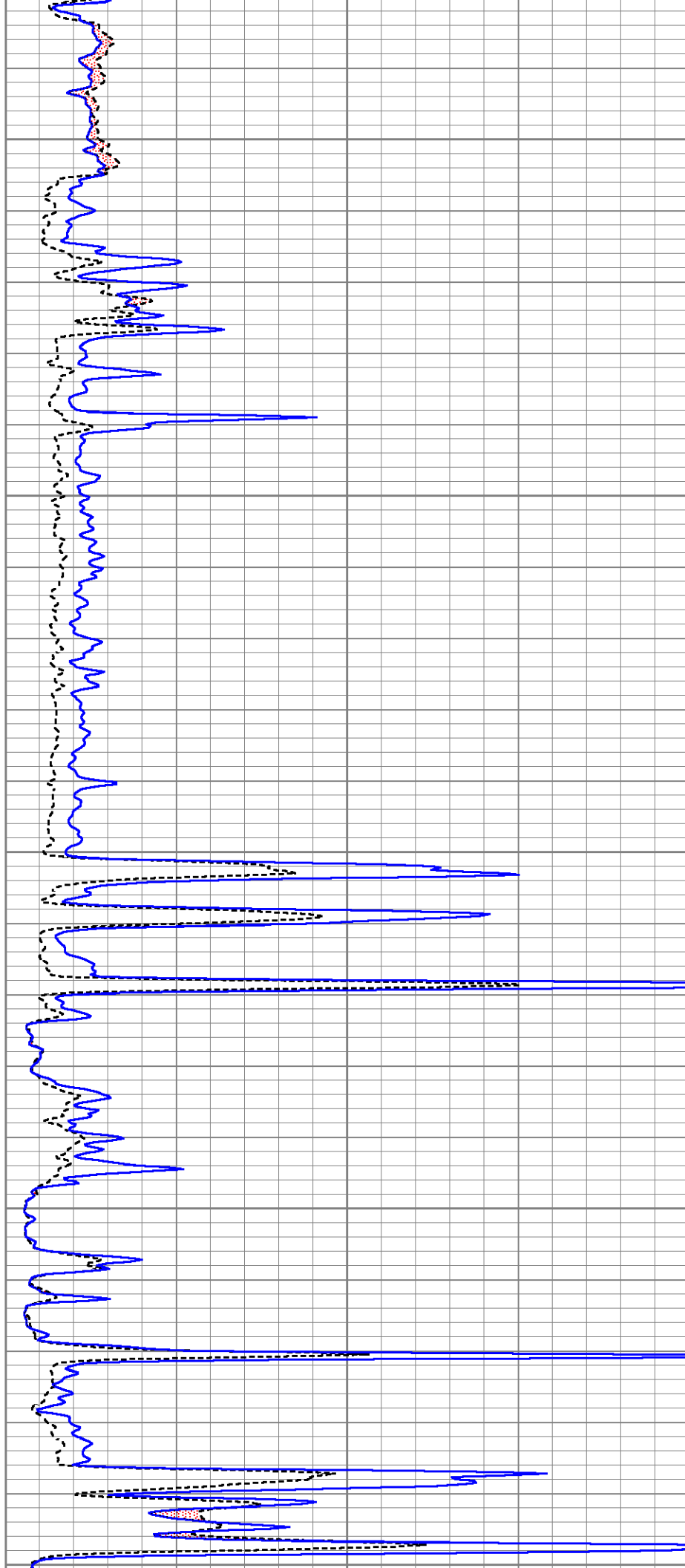
1450

1500

1550

1600

1650



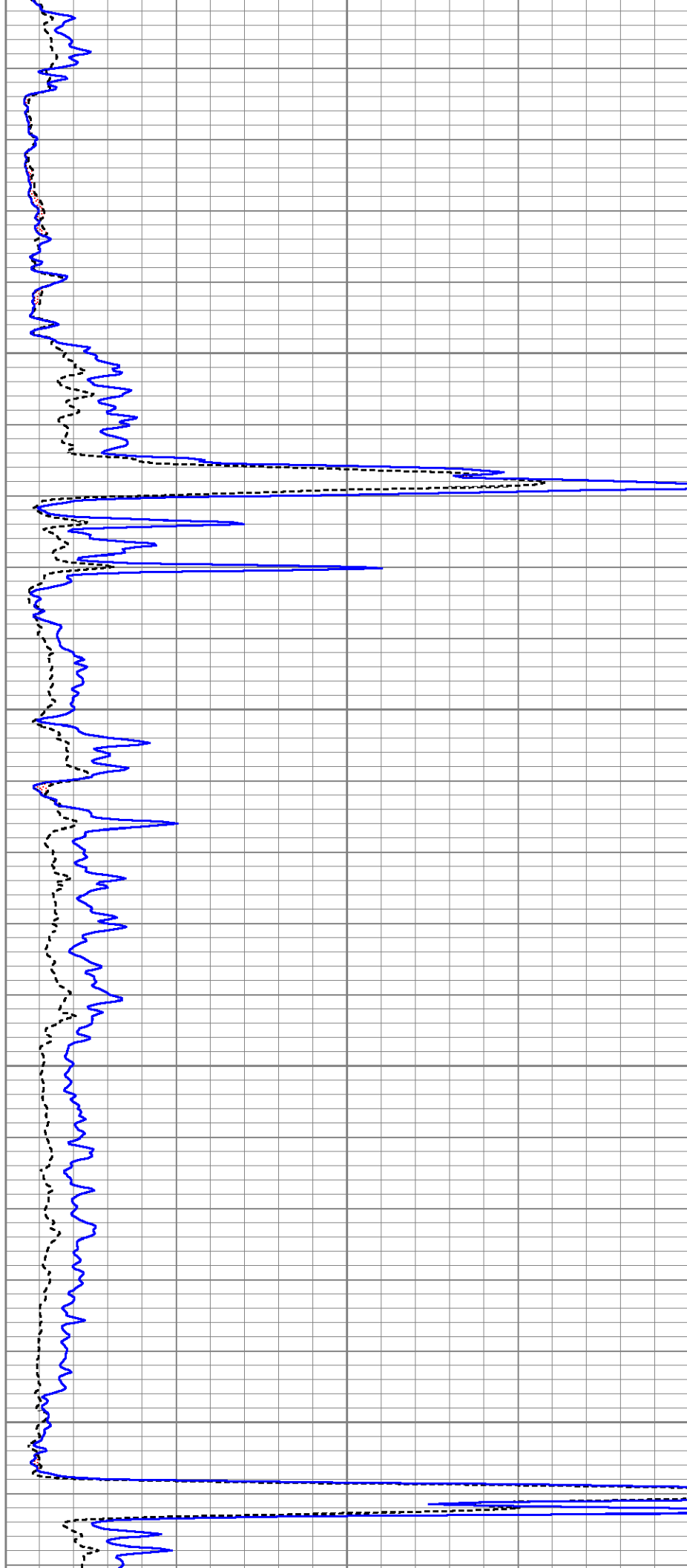
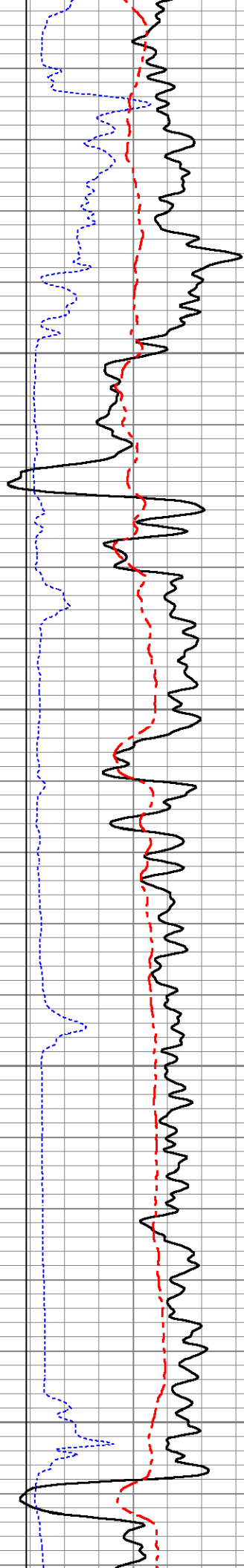
1850

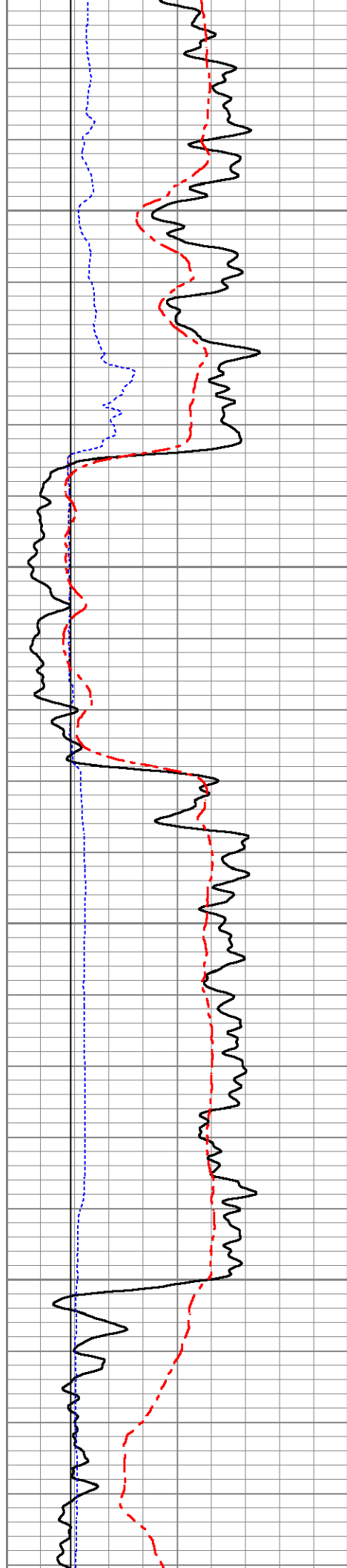
1700

1750

1800

1850



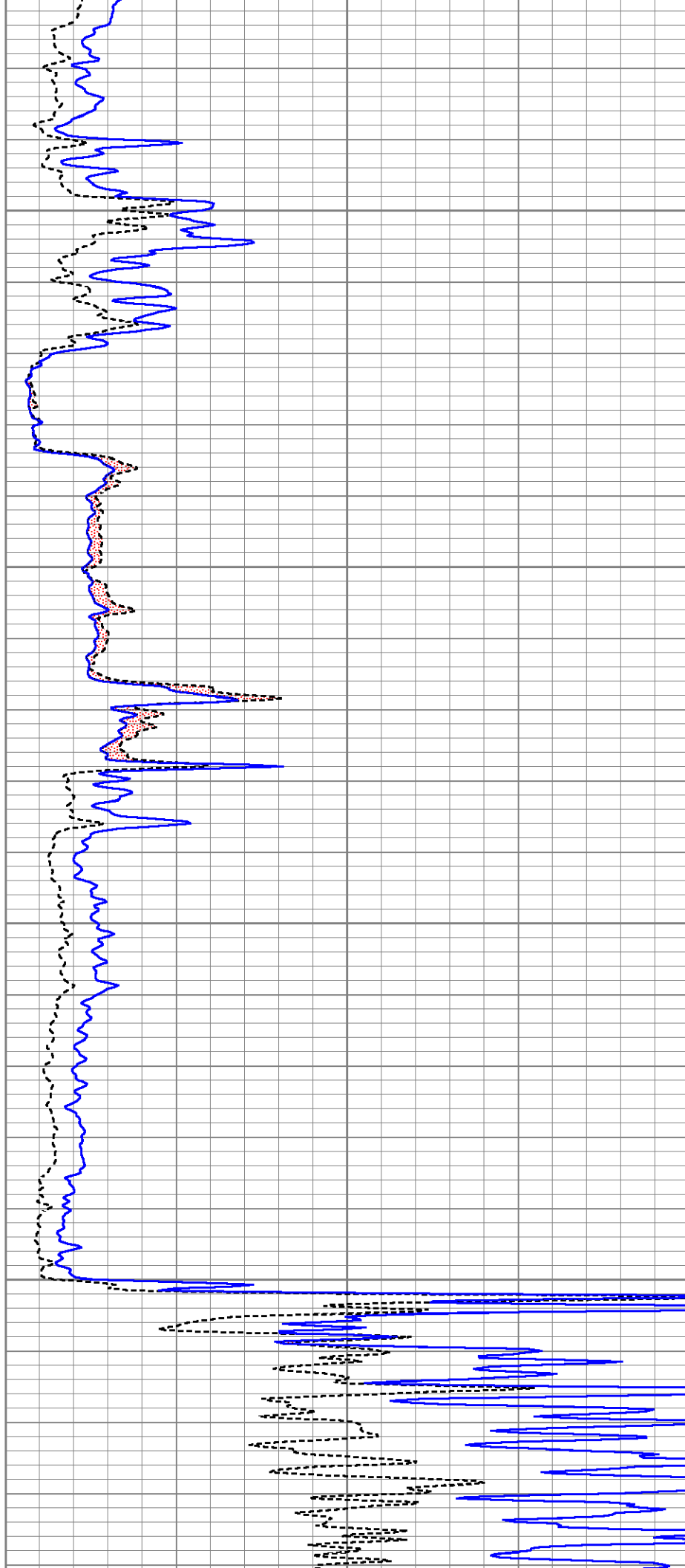


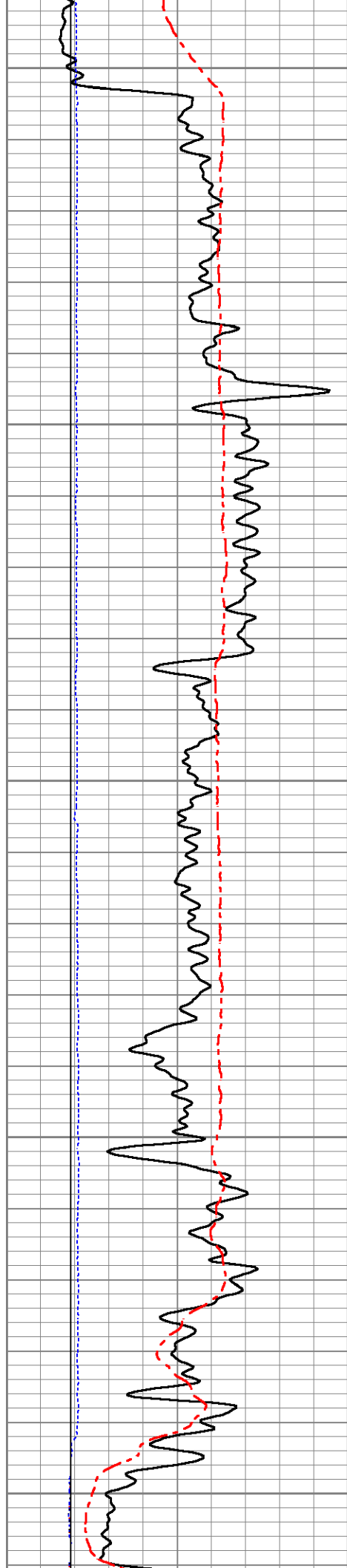
1900

1950

2000

2050





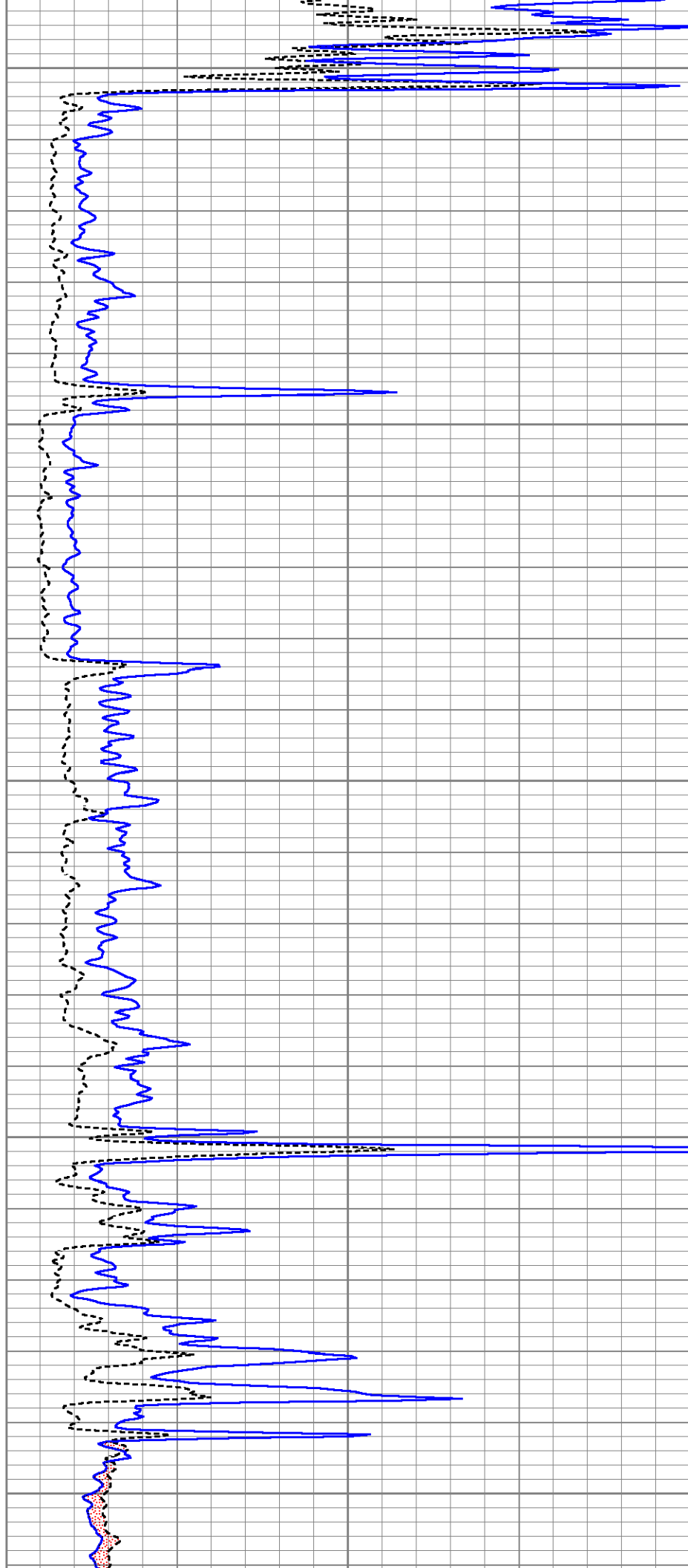
2100

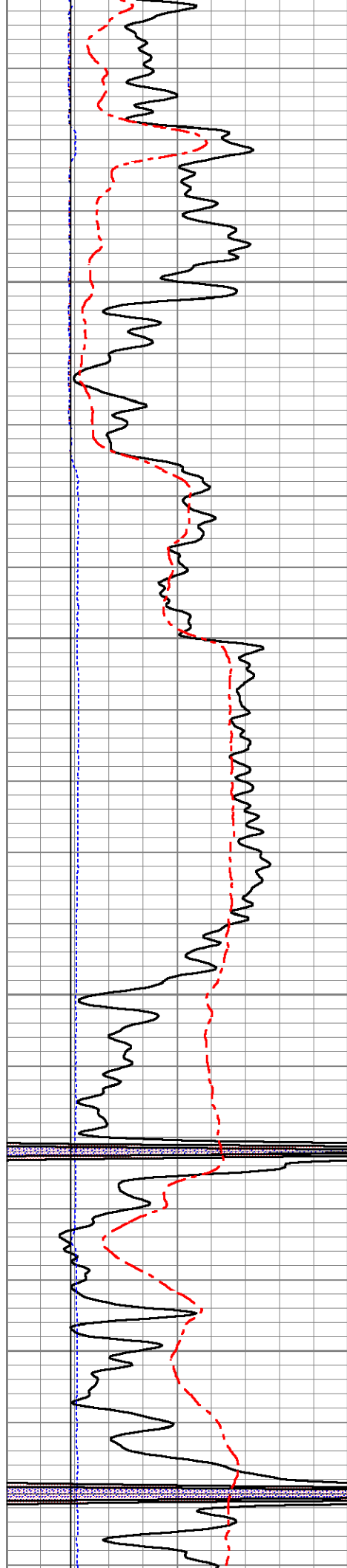
2150

2200

2250

2300



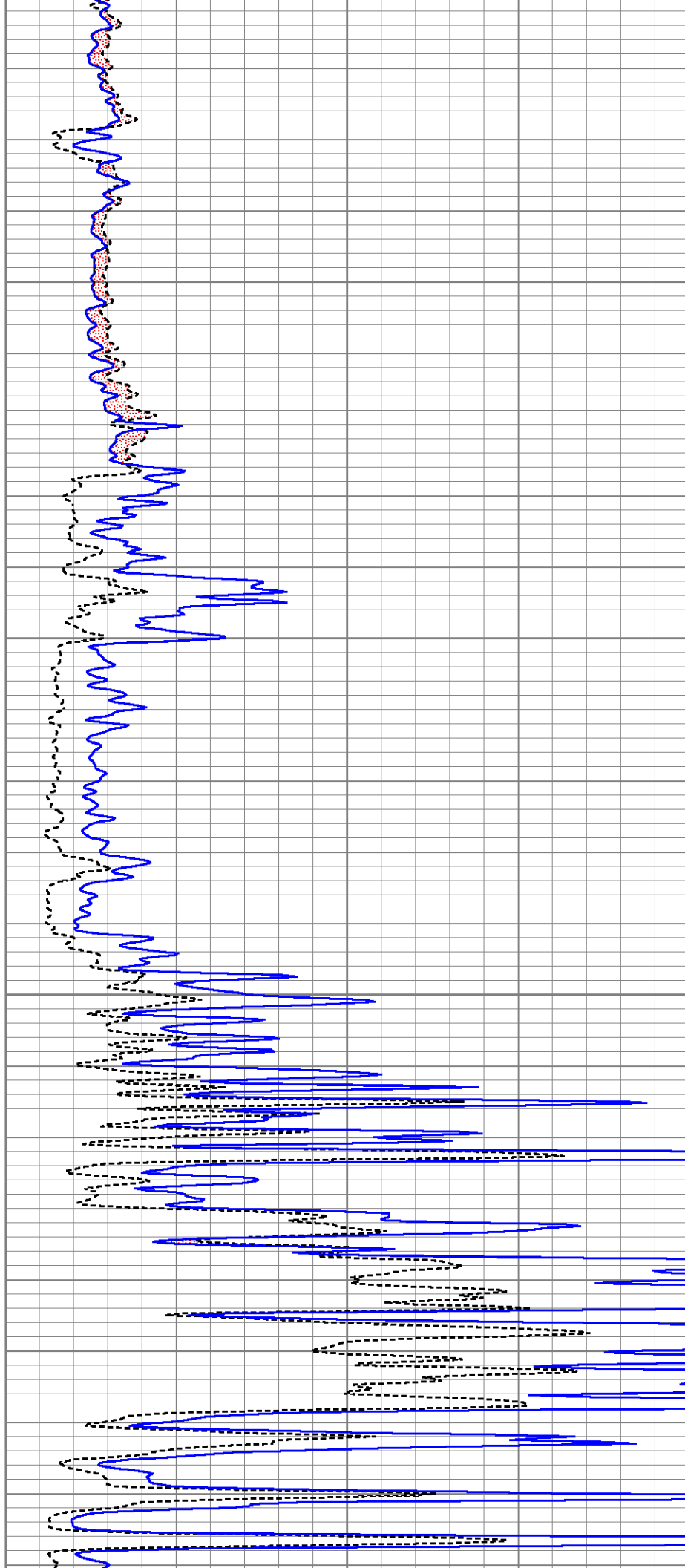


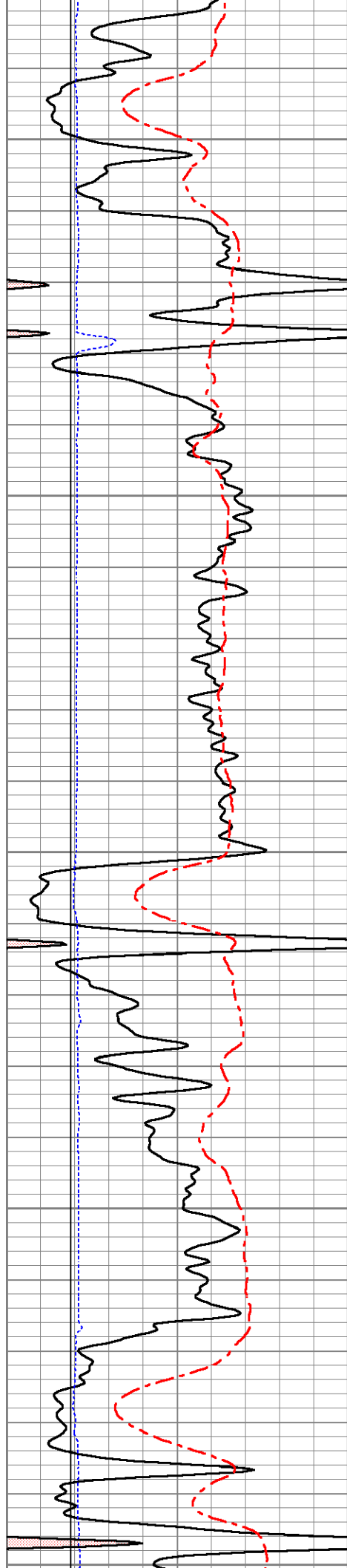
2350

2400

2450

2500





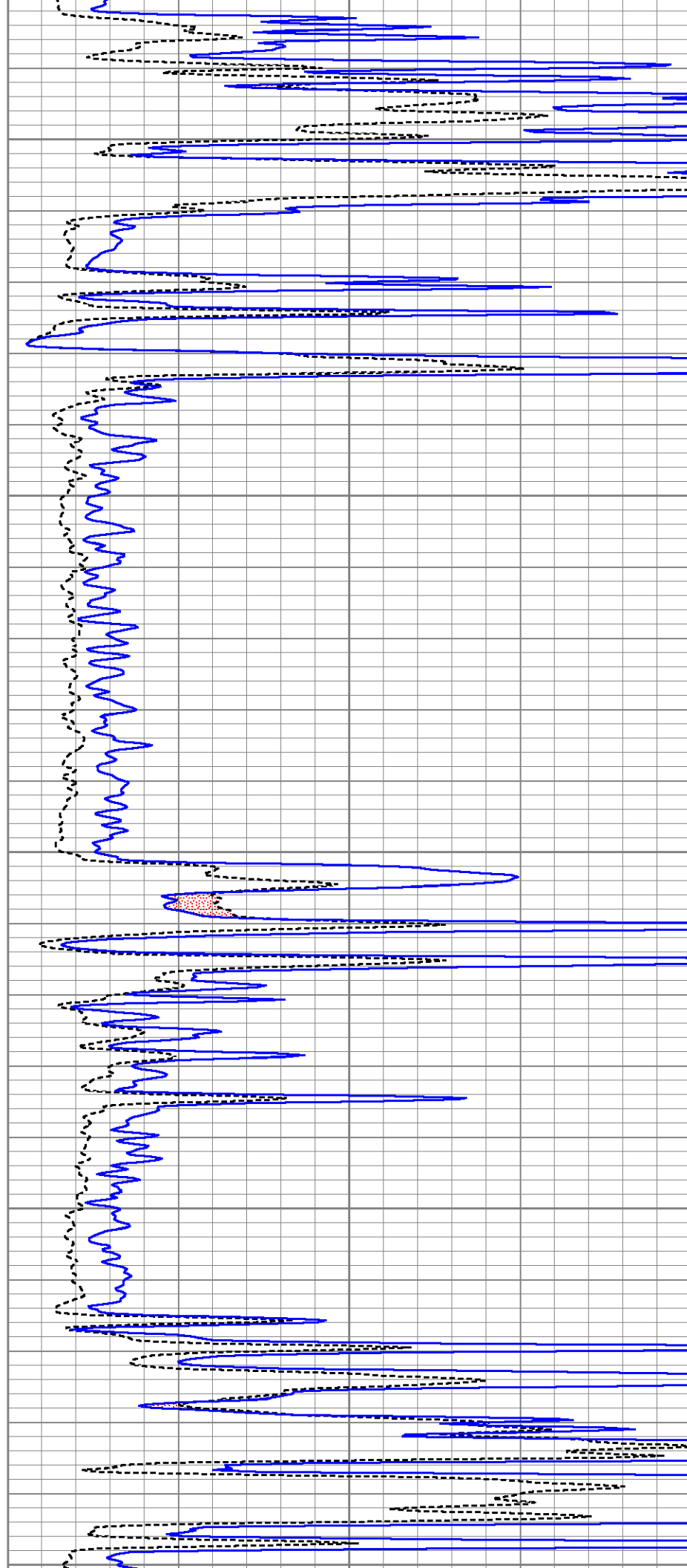
2550

2600

2650

2700

2750





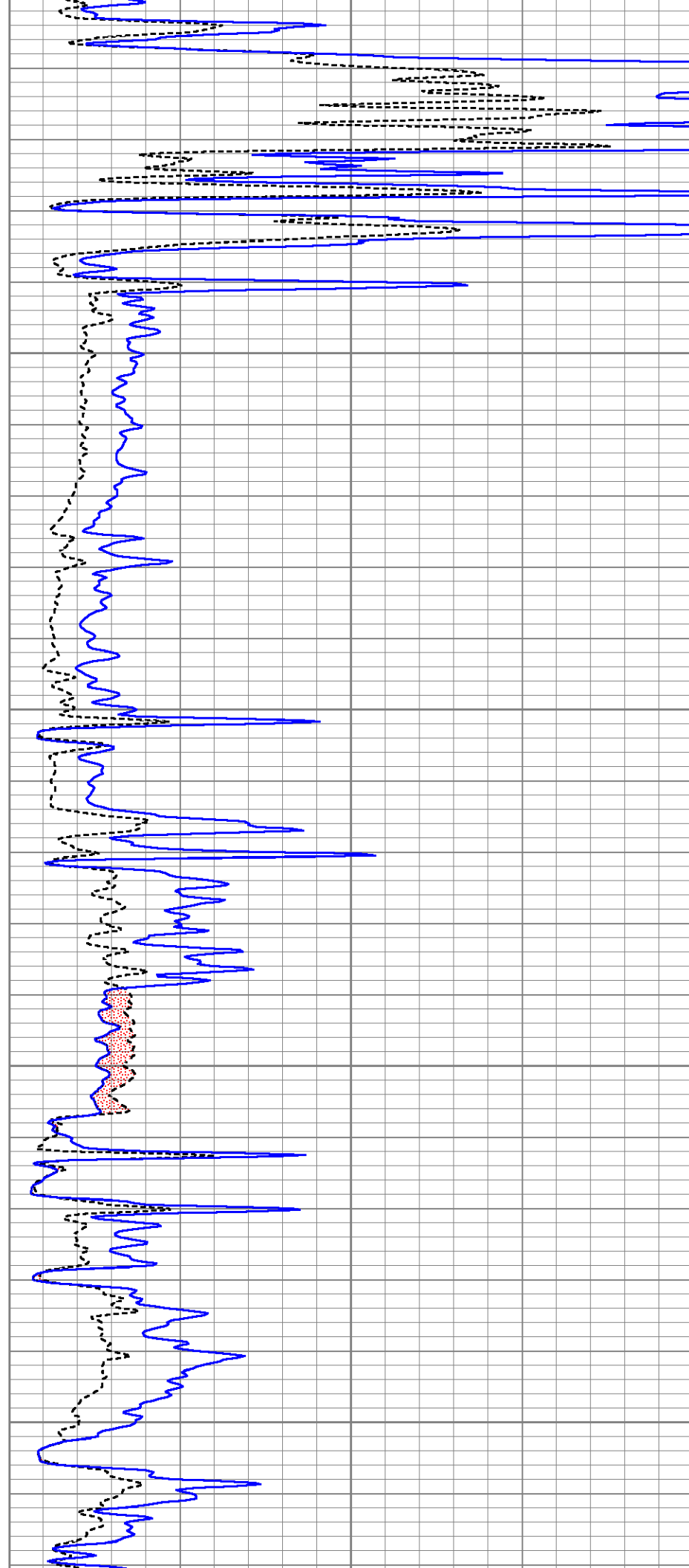
2700

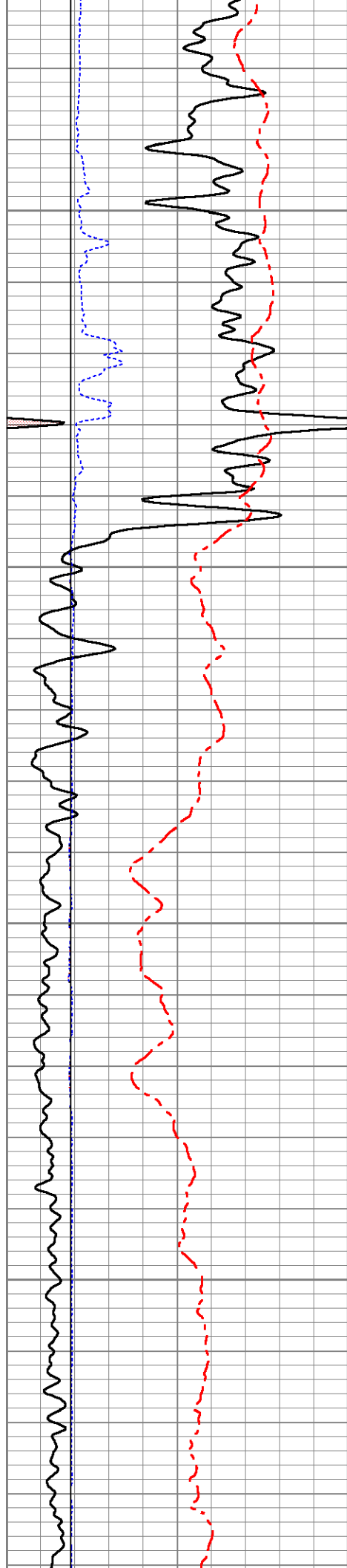
2800

2850

2900

2950



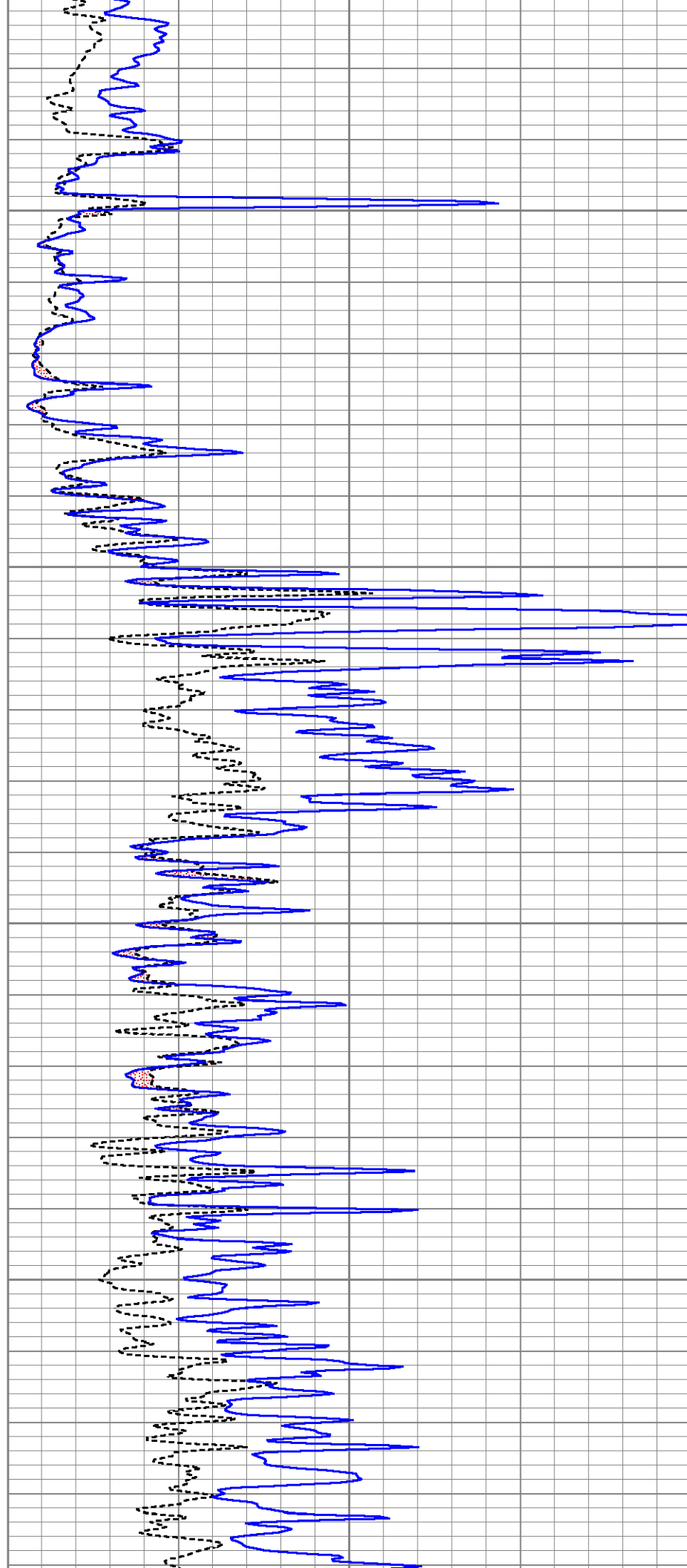


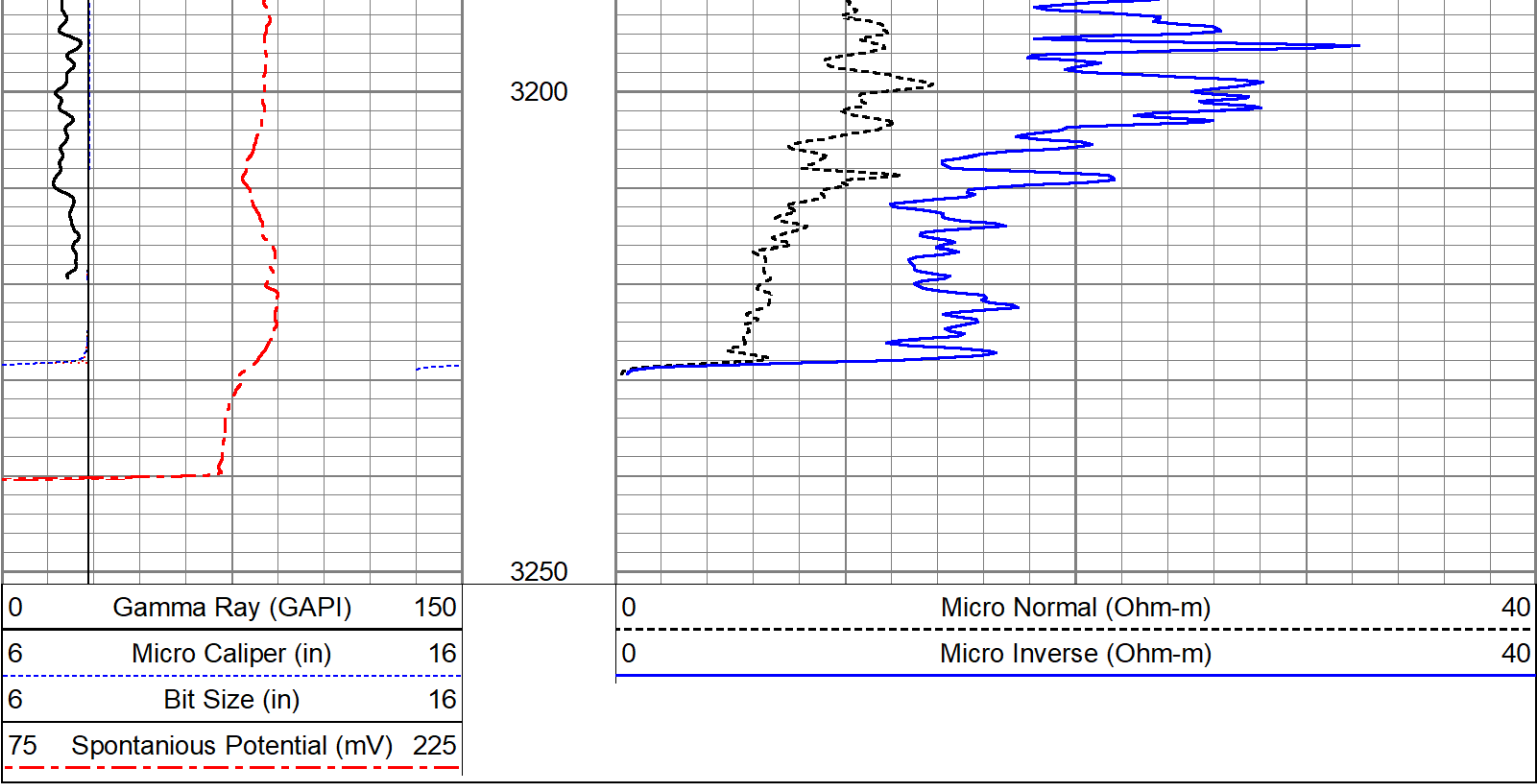
3000

3050

3100

3150





| Calibration Report                   |                          |         |        |            |                          |        |         |         |  |
|--------------------------------------|--------------------------|---------|--------|------------|--------------------------|--------|---------|---------|--|
| Database File                        | ow2-9336 val energy.db   |         |        |            |                          |        |         |         |  |
| Dataset Pathname                     | pass2                    |         |        |            |                          |        |         |         |  |
| Dataset Creation                     | Wed Apr 17 11:33:47 2024 |         |        |            |                          |        |         |         |  |
| Dual Induction Calibration Report    |                          |         |        |            |                          |        |         |         |  |
| Serial-Model:                        |                          |         |        |            | BlackTool-G              |        |         |         |  |
| Surface Cal Performed:               |                          |         |        |            | Mon Mar 4 21:31:44 2024  |        |         |         |  |
| Downhole Cal Performed:              |                          |         |        |            | Tue Nov 17 10:50:14 2020 |        |         |         |  |
| After Survey Verification Performed: |                          |         |        |            | Tue Nov 17 10:50:14 2020 |        |         |         |  |
| Surface Calibration                  |                          |         |        |            |                          |        |         |         |  |
| Readings                             |                          |         |        | References |                          |        | Results |         |  |
| Loop:                                | Air                      | Loop    |        | Air        | Loop                     |        | m       | b       |  |
| Deep                                 | 0.007                    | 0.642   | V      | 16.000     | 360.000                  | mmho/m | 541.844 | 12.250  |  |
| Medium                               | 0.010                    | 0.728   | V      | -10.500    | 410.000                  | mmho/m | 585.053 | -16.167 |  |
| Internal:                            | Zero                     | Cal     |        | Zero       | Cal                      |        | m       | b       |  |
| Deep                                 | 0.007                    | 0.642   | V      | 0.000      | 350.000                  | mmho/m | 550.717 | -3.768  |  |
| Medium                               | 0.010                    | 0.729   | V      | 0.000      | 550.000                  | mmho/m | 764.510 | -7.354  |  |
| Downhole Calibration                 |                          |         |        |            |                          |        |         |         |  |
| Readings                             |                          |         |        | References |                          |        | Results |         |  |
|                                      | Zero                     | Cal     |        | Zero       | Cal                      |        | m'      | b'      |  |
| Deep                                 | -2.869                   | 354.028 | mmho/m | -0.044     | 350.323                  | mmho/m | 0.982   | 2.773   |  |
| Medium                               | -3.741                   | 414.629 | mmho/m | -0.037     | 400.340                  | mmho/m | 0.957   | 3.543   |  |
| LL3                                  |                          | 9.500   | V      |            | 2000.000                 | Ohm-m  |         |         |  |
|                                      |                          | 0.000   | V      |            | 20.000                   | Ohm-m  |         |         |  |
|                                      |                          | -11.000 | V      |            | 5000.000                 | mmho-m |         |         |  |
| After Survey Verification            |                          |         |        |            |                          |        |         |         |  |
| Readings                             |                          |         |        | Targets    |                          |        | Results |         |  |
|                                      | Zero                     | Cal     |        | Zero       | Cal                      |        | m'      | b'      |  |

|        |       |       |        |        |         |        |       |       |
|--------|-------|-------|--------|--------|---------|--------|-------|-------|
| Deep   | 0.000 | 0.000 | mmho/m | -2.869 | 354.028 | mmho/m | 1.000 | 0.000 |
| Medium | 0.000 | 0.000 | mmho/m | -3.741 | 414.629 | mmho/m | 1.000 | 0.000 |
| LL3    |       | 0.000 | Ohm-m  |        | 2.000   | Ohm-m  |       |       |
|        |       | 0.000 | Ohm-m  |        | 500.000 | Ohm-m  |       |       |
|        |       | 0.000 | mmho-m |        | 1.000   | mmho-m |       |       |

| Microlog Calibration Report |          |        |                         |            |         |       |          |        |
|-----------------------------|----------|--------|-------------------------|------------|---------|-------|----------|--------|
| Serial-Model:               |          |        | 110861-Osage            |            |         |       |          |        |
| Performed:                  |          |        | Tue Aug 8 10:35:08 2023 |            |         |       |          |        |
|                             | Readings |        |                         | References |         |       | Results  |        |
|                             | Zero     | Cal    |                         | Zero       | Cal     |       | m        | b      |
| Normal                      | -0.0026  | 0.0887 | V                       | 0.0000     | 10.0000 | Ohm-m | 109.5330 | 0.2856 |
| Inverse                     | -0.0062  | 0.1125 | V                       | 0.0000     | 10.0000 | Ohm-m | 84.1931  | 0.5259 |
| Caliper                     | 0.4507   | 3.4359 | V                       | 5.7500     | 11.2500 | in    | 1.8424   | 4.9196 |

| Gamma Ray Calibration Report |  |  |                          |          |  |  |  |  |
|------------------------------|--|--|--------------------------|----------|--|--|--|--|
| Serial Number:               |  |  | Refurb01                 |          |  |  |  |  |
| Tool Model:                  |  |  | OSAGE_01                 |          |  |  |  |  |
| Performed:                   |  |  | Thu Nov 30 13:51:24 2023 |          |  |  |  |  |
| Calibrator Value:            |  |  | 150.0                    | GAPI     |  |  |  |  |
| Background Reading:          |  |  | 125.0                    | cps      |  |  |  |  |
| Calibrator Reading:          |  |  | 875.0                    | cps      |  |  |  |  |
| Sensitivity:                 |  |  | 0.2000                   | GAPI/cps |  |  |  |  |

| Inclinometer Calibration Report |  |                          |            |  |          |           |     |  |
|---------------------------------|--|--------------------------|------------|--|----------|-----------|-----|--|
| Performed:                      |  | Thu Nov 30 13:51:34 2023 |            |  |          |           |     |  |
|                                 |  | Low Read.                | High Read. |  | Low Ref. | High Ref. |     |  |
| X Accelerometer                 |  | 205.00                   | 1843.00    |  | -1.00    | 1.00      | gee |  |
| Y Accelerometer                 |  | 205.00                   | 1843.00    |  | -1.00    | 1.00      | gee |  |
| Z Accelerometer                 |  |                          |            |  |          |           | gee |  |

| Sensor | Offset (ft) | Schematic | Description                                                                                                  | Length (ft) | O.D. (in) | Weight (lb) |
|--------|-------------|-----------|--------------------------------------------------------------------------------------------------------------|-------------|-----------|-------------|
| ACCY   | 31.04       |           | ADMYR_TELEMETRY-OSAGE_01 (Refurb01)<br>Admyr Telemetry With Gr, Deviation, ADC board and Pulses Board in it. | 3.69        | 3.25      | 53.00       |
| ACCX   | 31.04       |           |                                                                                                              |             |           |             |
| GR     | 29.86       |           |                                                                                                              |             |           |             |
| FRAMES | 28.54       |           | MICRO_DIG-Osage (110861)<br>Digital Microlog                                                                 | 7.21        | 5.13      | 137.00      |
| SSTAT  | 28.54       |           |                                                                                                              |             |           |             |
| PSTAT  | 28.54       |           |                                                                                                              |             |           |             |
| ASTAT  | 28.54       |           |                                                                                                              |             |           |             |
| MI     | 23.00       |           |                                                                                                              |             |           |             |
| MN     | 23.00       |           |                                                                                                              |             |           |             |
| MCAL   | 22.00       |           |                                                                                                              |             |           |             |
| ASTAT2 | 21.33       |           |                                                                                                              |             |           |             |

|                                                                                                                              |       |  |       |      |        |
|------------------------------------------------------------------------------------------------------------------------------|-------|--|-------|------|--------|
| SP                                                                                                                           | 10.92 |  | 21.33 | 4.00 | 290.00 |
| CILD                                                                                                                         | 10.92 |  |       |      |        |
| CILM                                                                                                                         | 7.50  |  |       |      |        |
| RLL3                                                                                                                         | 1.65  |  |       |      |        |
| TR_Mon                                                                                                                       | 0.00  |  |       |      |        |
| Dataset: ow2-9336 val energy.db: field/well/run1/pass2<br>Total length: 32.23 ft<br>Total weight: 480.00 lb<br>O.D.: 5.13 in |       |  |       |      |        |