

**COMPENSATED  
DENSITY  
LOG**

|                              |  |                   |                           |
|------------------------------|--|-------------------|---------------------------|
| Company                      | Pioneer Natural Resources                        | Company           | Pioneer Natural Resources |
| Well                         | Alibi 23-2                                       | Well              | Alibi 23-2                |
| Field                        | Purgatoire River                                 | Field             | Purgatoire River          |
| County                       | Las Animas                                       | County            | Las Animas                |
| State                        | Colorado   | State             | Colorado                  |
| Location:                    | API # : 05 071 09799 00<br>1451' FSL & 2173' FWL | Other Services    | SIL                       |
| Permanent Datum              | SEC 2 TWP 33S RGE 68W                            | Elevation         |                           |
| Log Measured From            | Ground Level                                     | K.B. 7941'        |                           |
| Drilling Measured From       | Kelly Bushing 9' AGL<br>Kelly Bushing            | D.F. -----        |                           |
|                              |  | G.L. 7932'        |                           |
| Date                         | 5-1-10   |                   |                           |
| Run Number                   | One  |                   |                           |
| Depth Driller                | 2565'  |                   |                           |
| Depth Logger                 | 2566'  |                   |                           |
| Bottom Logged Interval       | 2564'  |                   |                           |
| Top Log Interval             | Surface Casing                                   |                   |                           |
| Casing Driller               | 8 5/8" @ 765'                                    |                   |                           |
| Casing Logger                | 764'   |                   |                           |
| Bit Size                     | 7 7/8"   |                   |                           |
| Type Fluid in Hole           | Airiated Water                                   |                   |                           |
| Density / Viscosity          | ///  |                   |                           |
| pH / Fluid Loss              | ///  |                   |                           |
| Source of Sample             | ///  |                   |                           |
| Rm @ Meas. Temp              | ///  |                   |                           |
| Rmf @ Meas. Temp             | ///  |                   |                           |
| Rmc @ Meas. Temp             | ///  |                   |                           |
| Source of Rmf / Rmc          | ///  |                   |                           |
| Rm @ BHT                     | ///  |                   |                           |
| Time Circulation Stopped     | 5:00 A.M.  |                   |                           |
| Time Logger on Bottom        | 10:30 a.m.                                       |                   |                           |
| Maximum Recorded Temperature | 109 DEG F  |                   |                           |
| Equipment Number             | T045   |                   |                           |
| Location                     | Trinidad   |                   |                           |
| Recorded By                  | L. Smith   |                   |                           |
| Witnessed By                 | Mr. Derrick Berry                                | Ms. Jackie Luther |                           |

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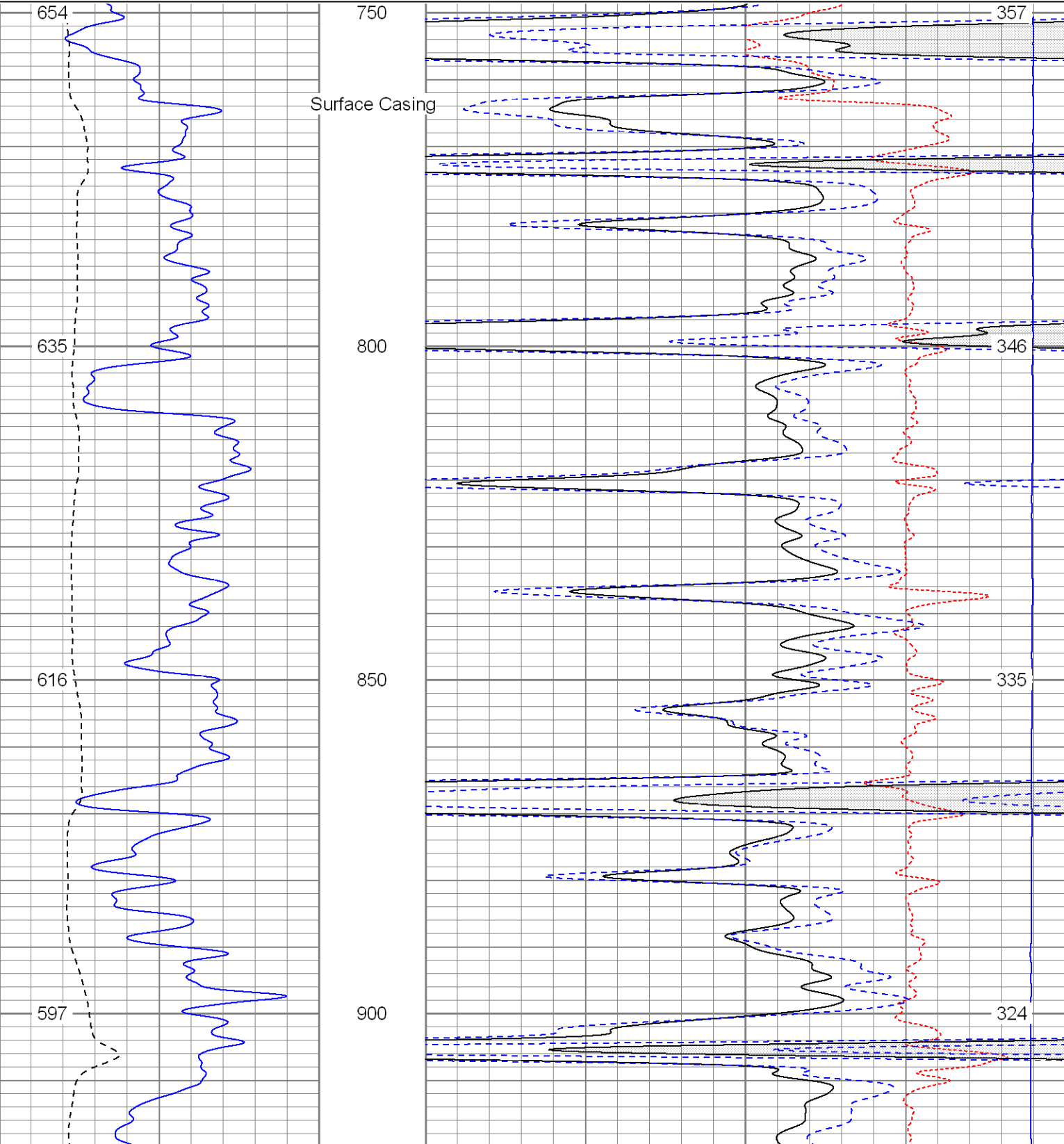
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

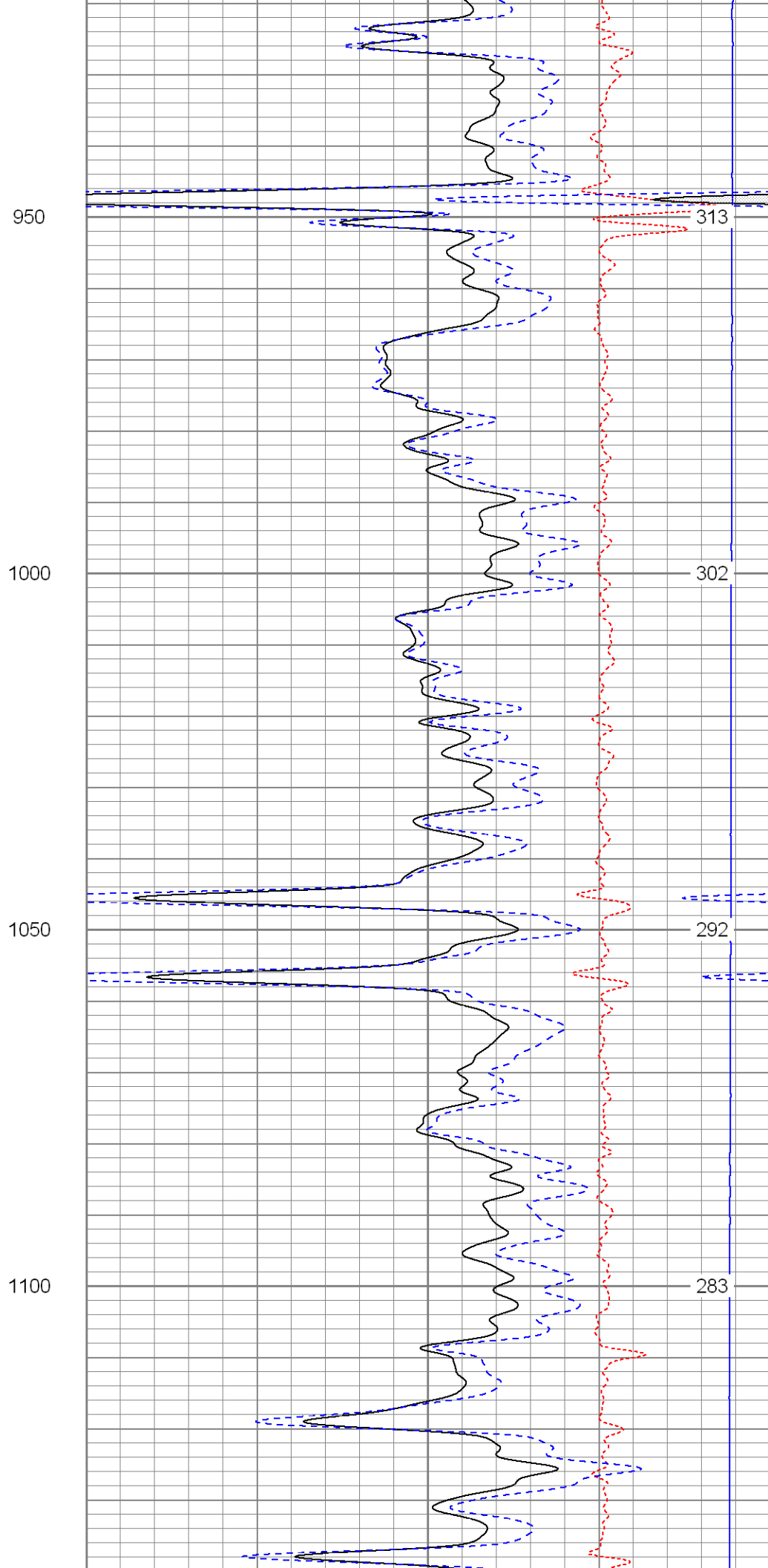
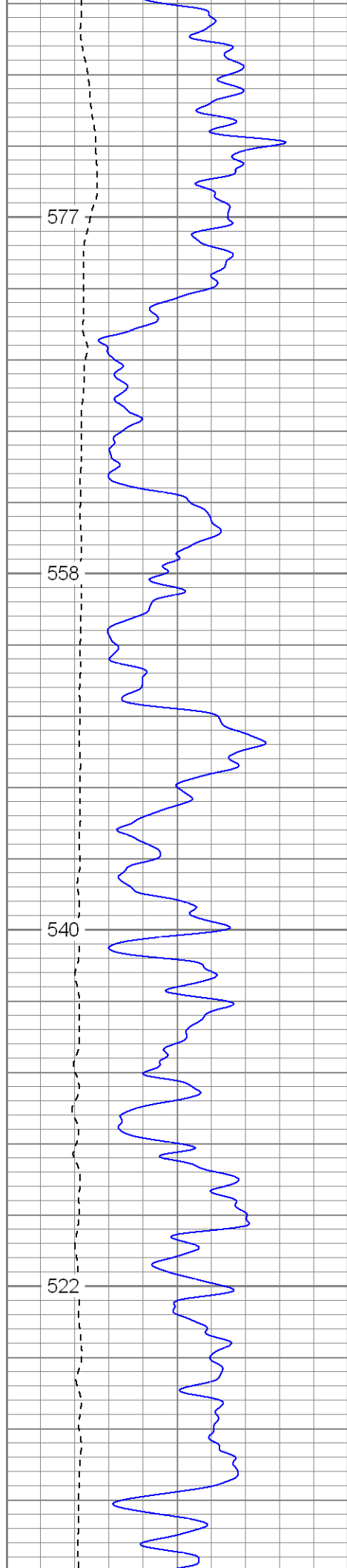
**Comments**

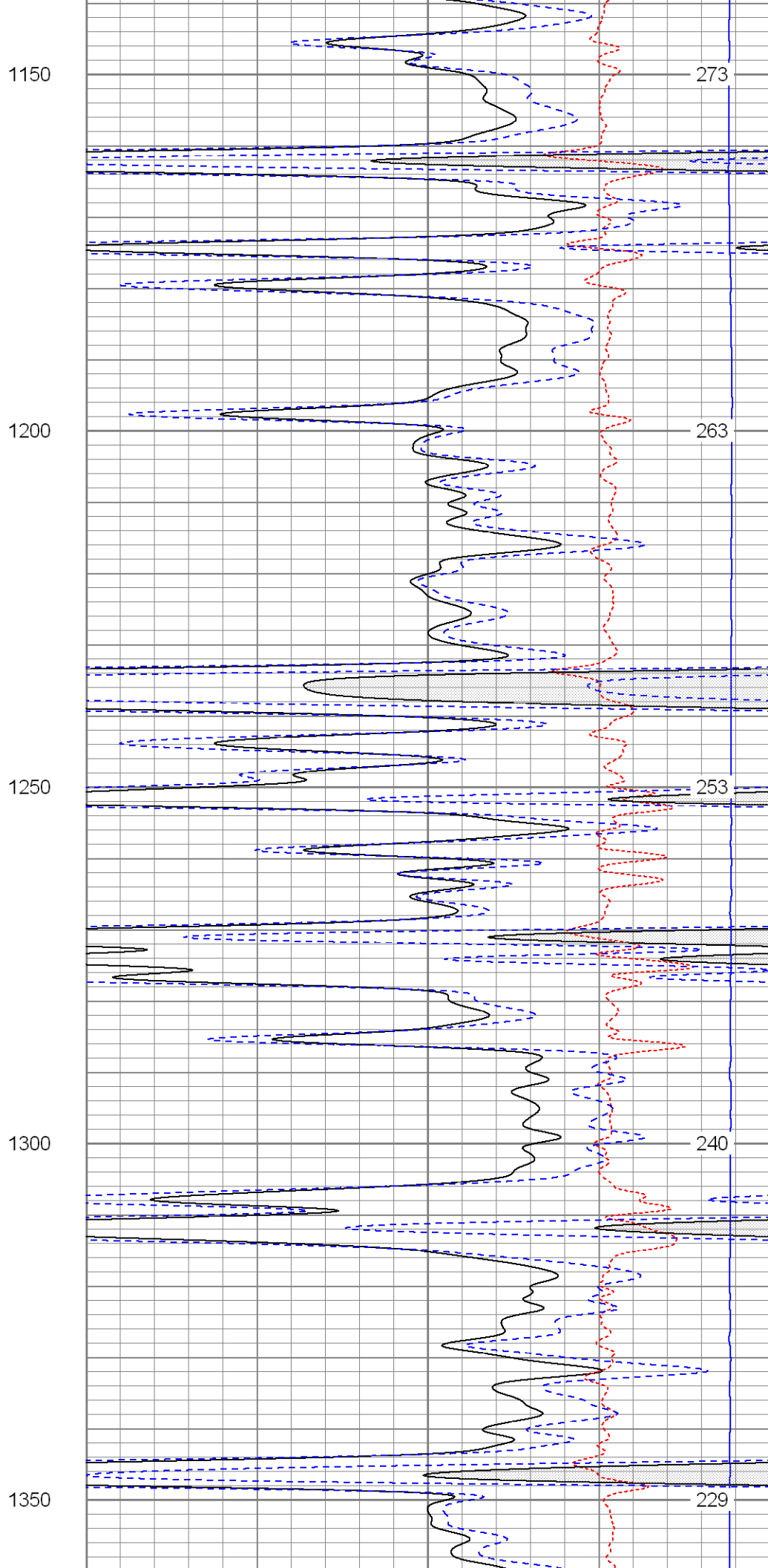
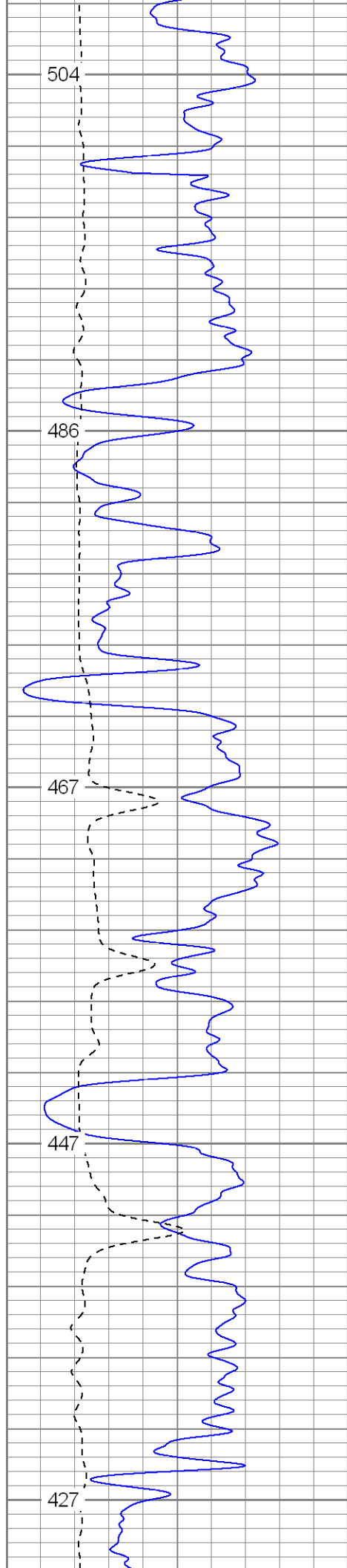
Density Porosity Presented On Sandstone Matrix.  
ABHV Calculated For 5.5" Casing.

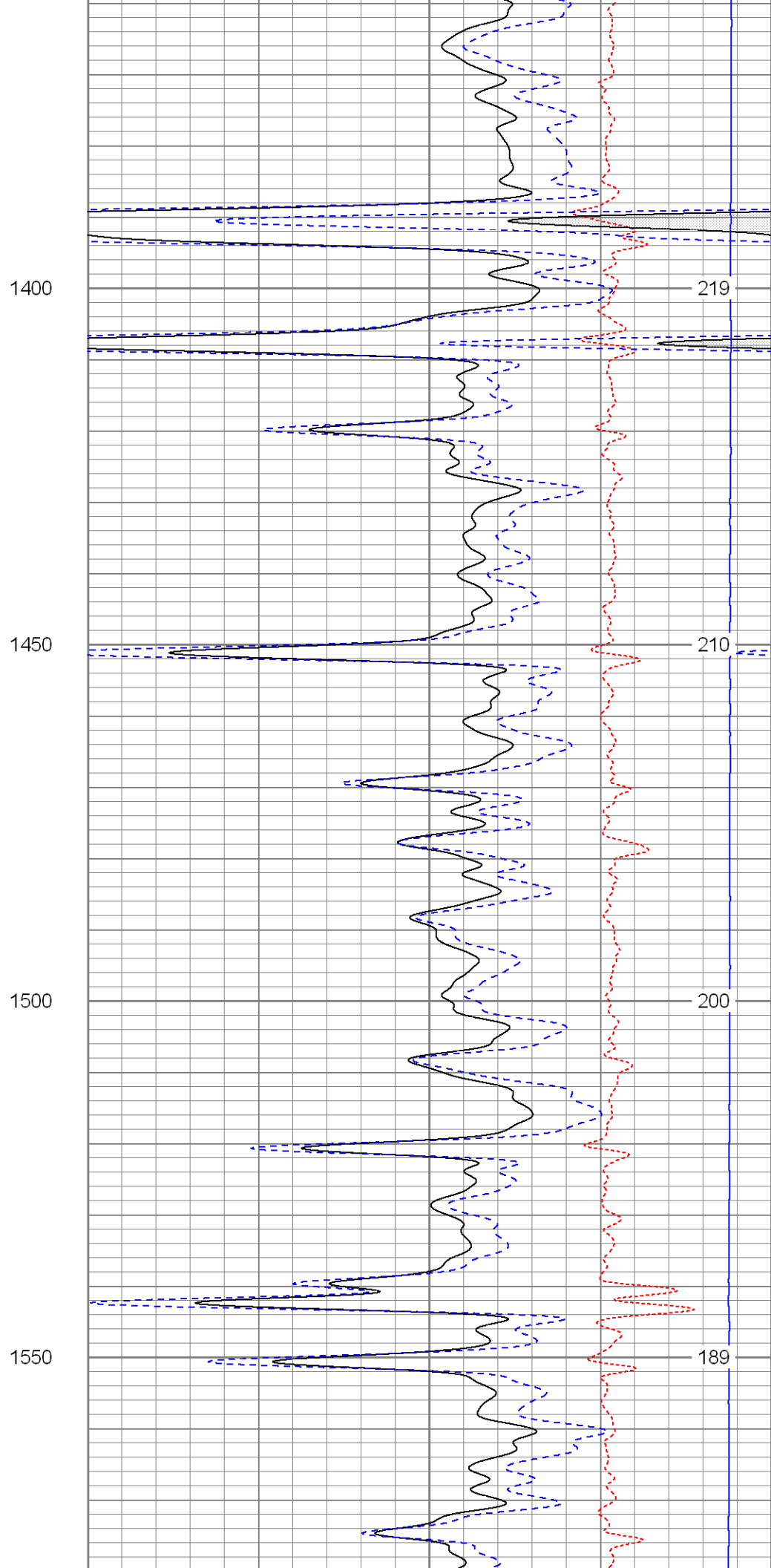
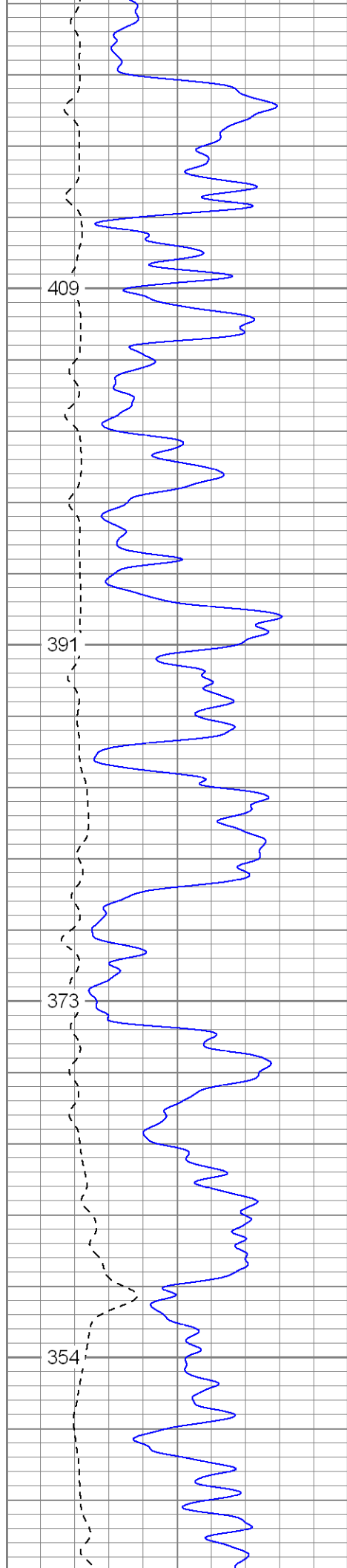
Database File: alibi.db  
Dataset Pathname: pass2.1  
Presentation Format: cdl  
Dataset Creation: Sat May 01 12:12:48 2010 by Calc Open-Cased 071220  
Charted by: Depth in Feet scaled 1:240

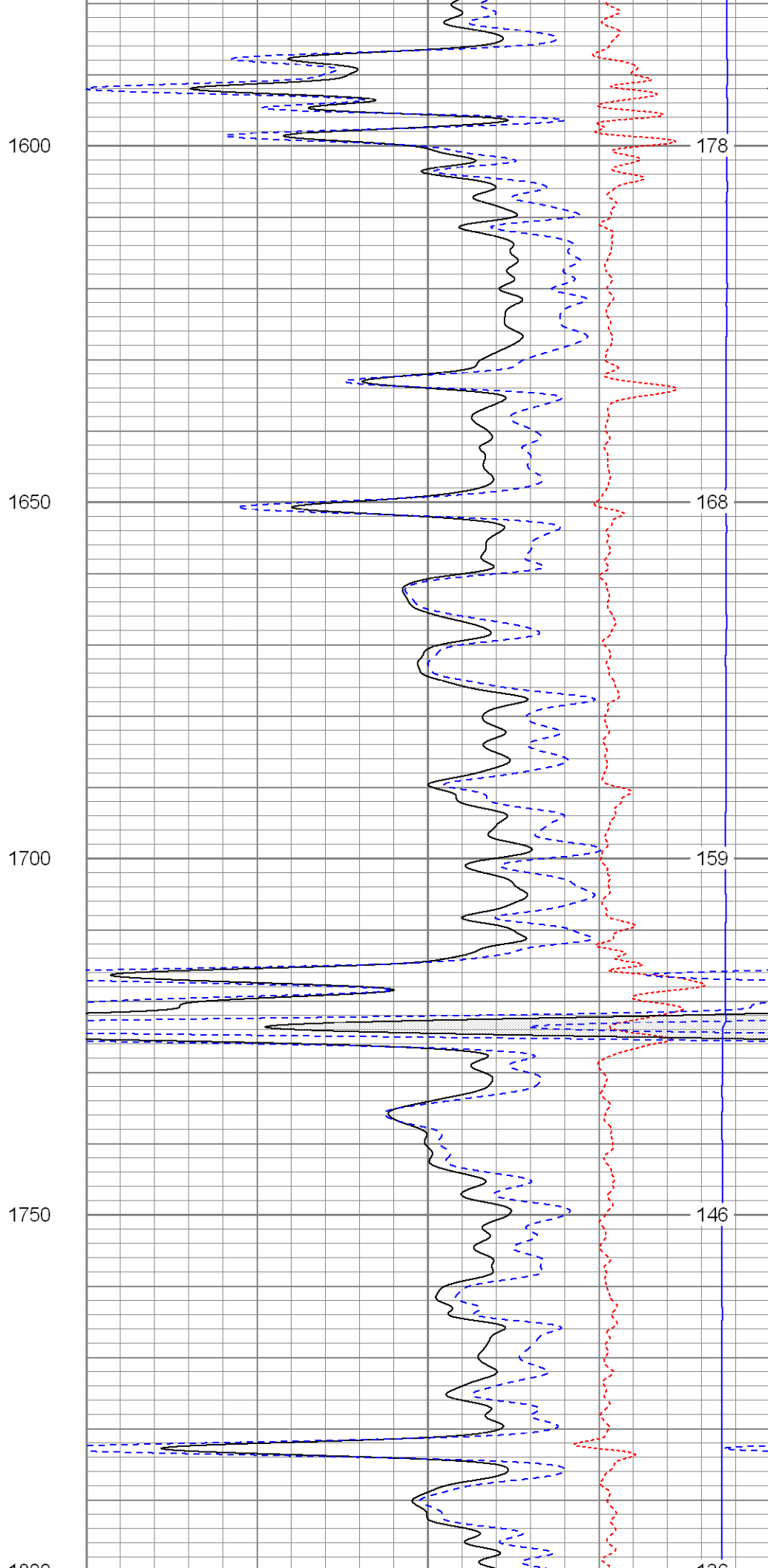
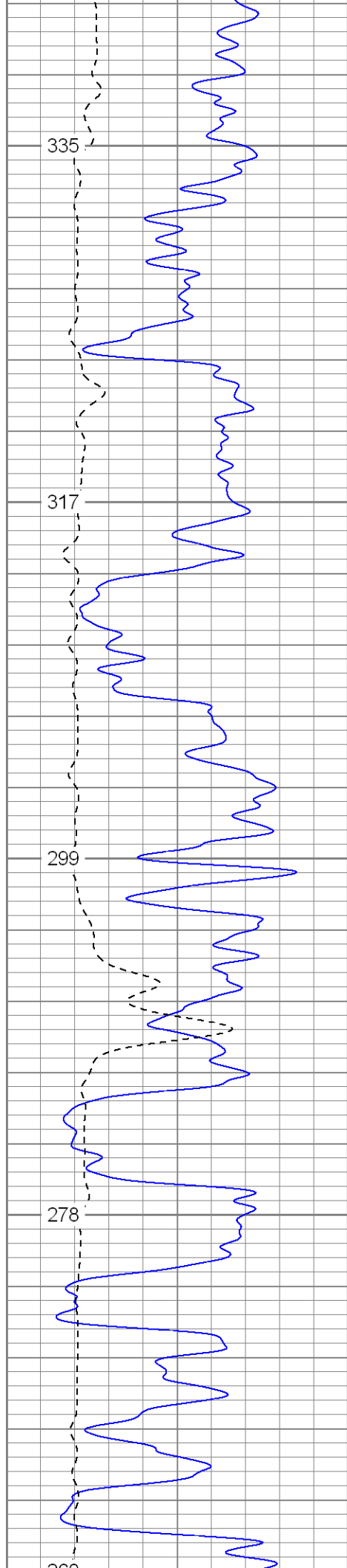
|            |           |     |    |             |             |            |
|------------|-----------|-----|----|-------------|-------------|------------|
| 0          | GR (GAPI) | 200 | 2  | RHOB (g/cc) |             | 3          |
| 6          | DCAL (in) | 16  | 1  | RHOB (g/cc) |             | 2          |
| TBHV (ft3) |           |     | 30 | DPOR (pu)   |             | -10        |
|            |           |     |    | -0.5        | RHOC (g/cc) | 0.5        |
|            |           |     |    | 7000        | LTEN (lb)   | 0          |
|            |           |     |    |             |             | ABHV (ft3) |

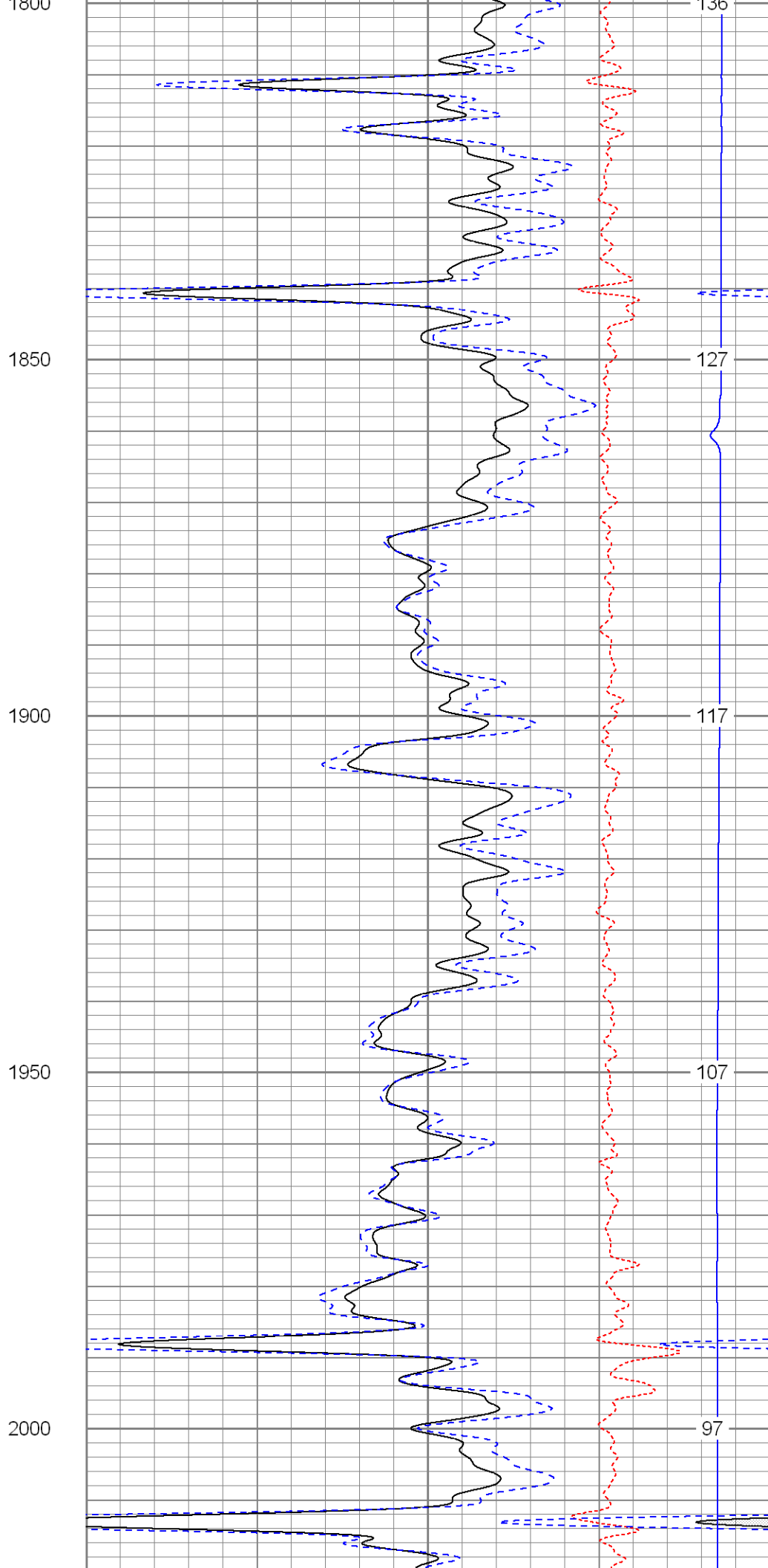
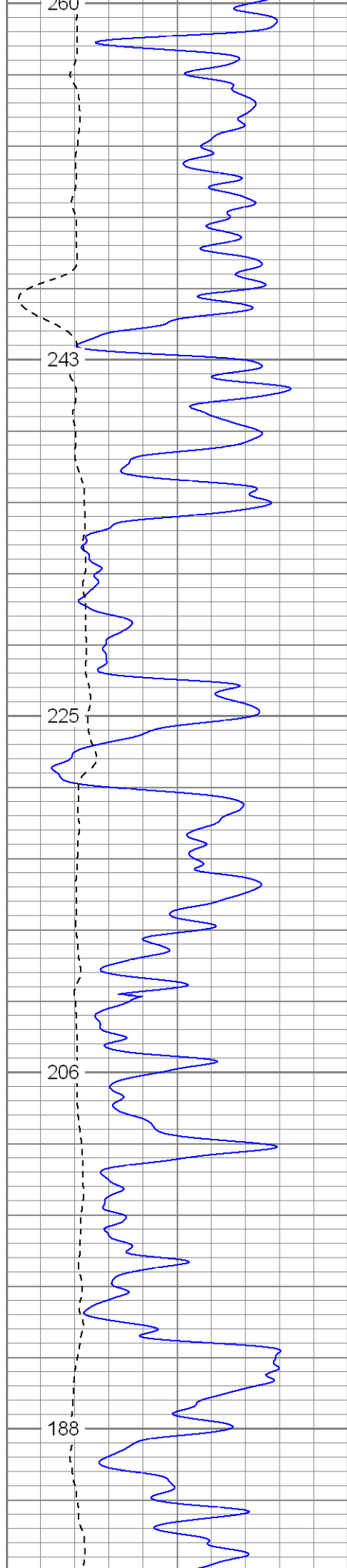


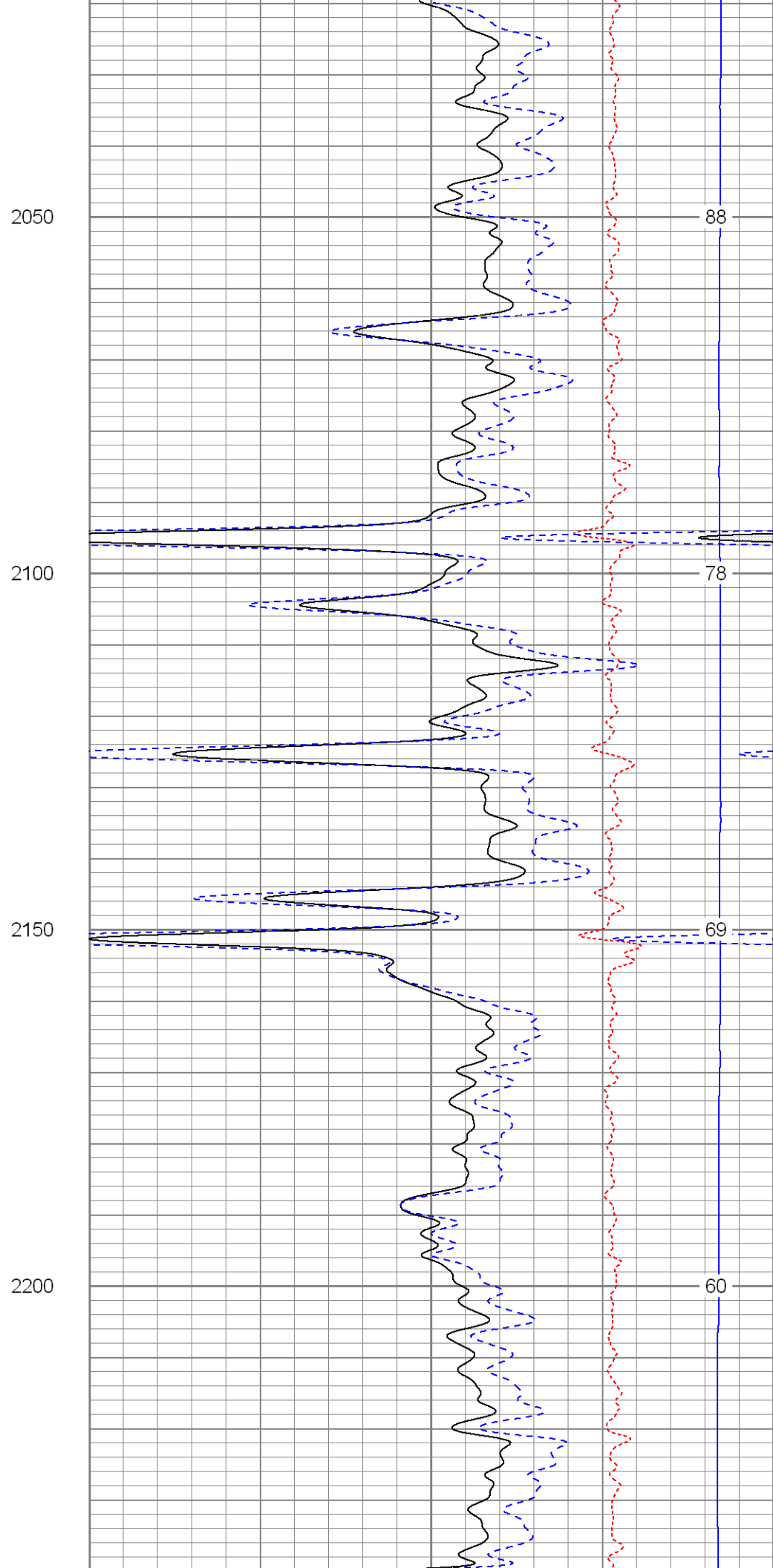
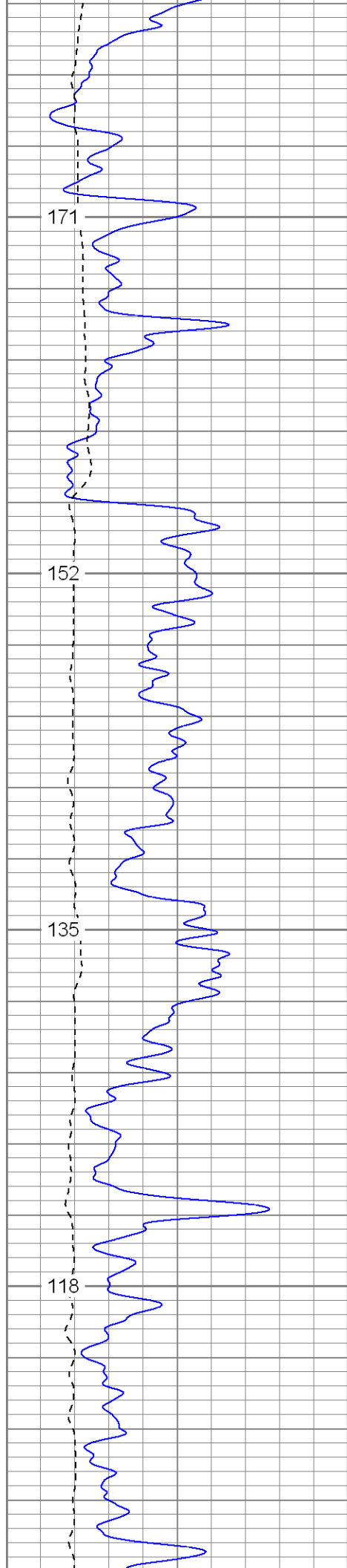




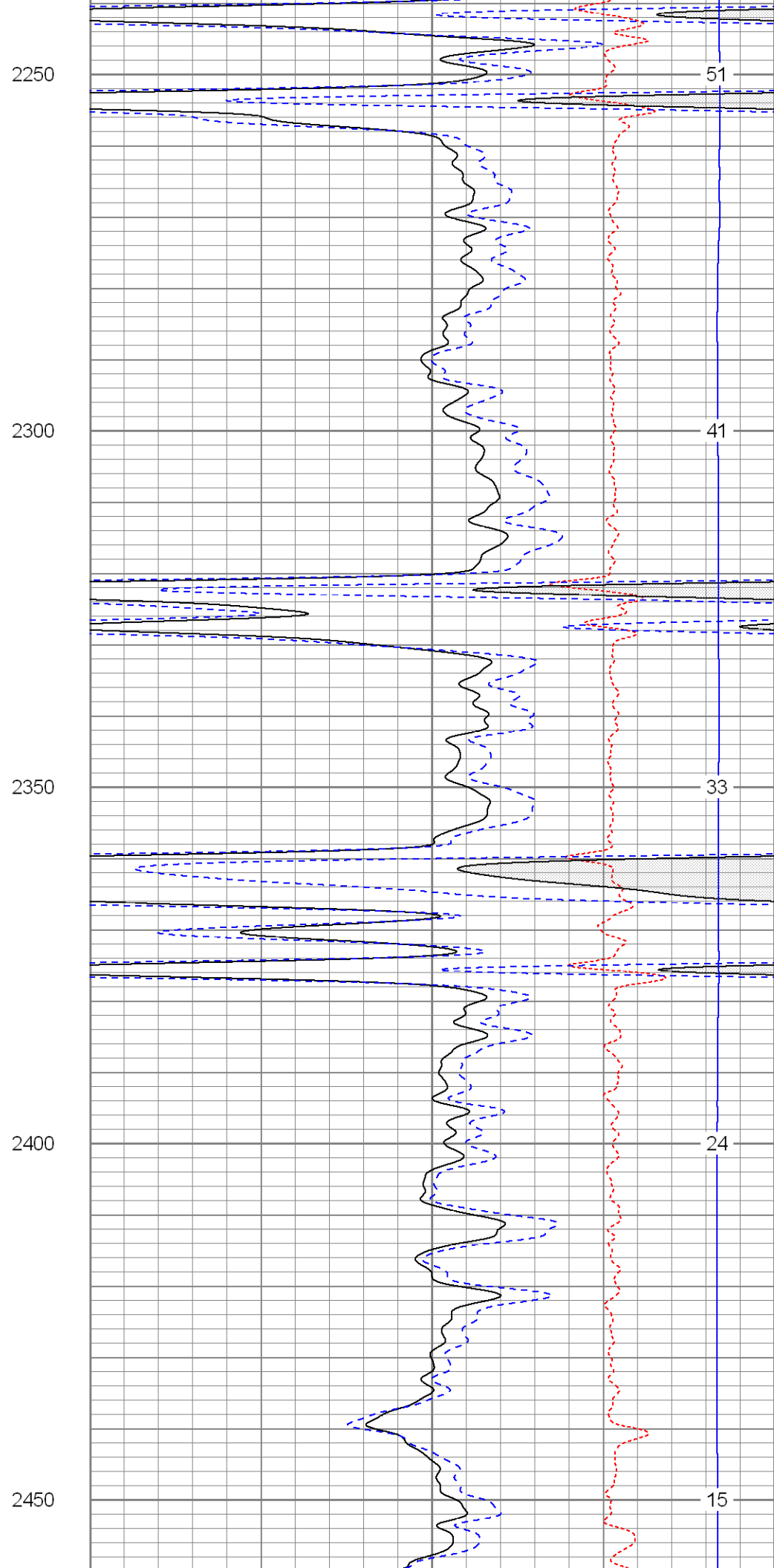
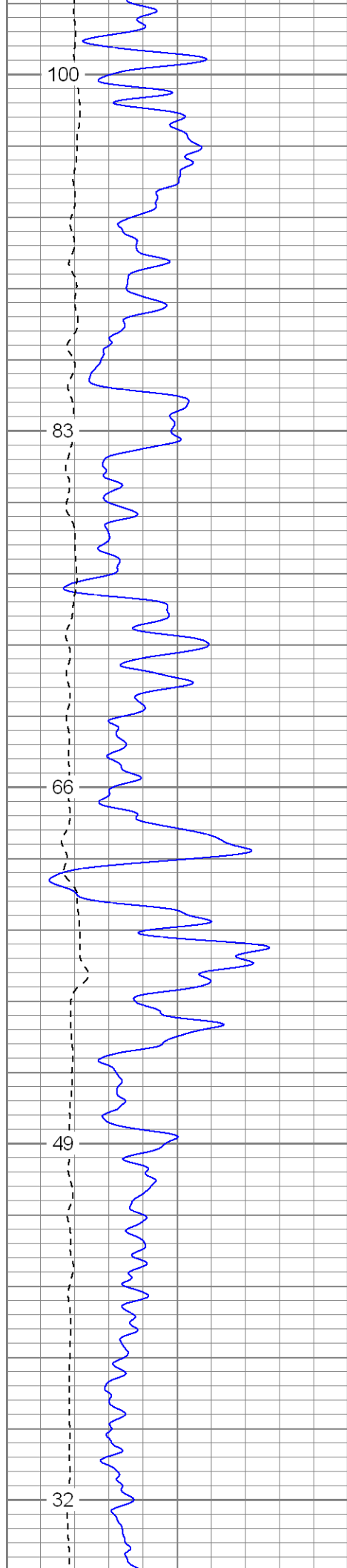


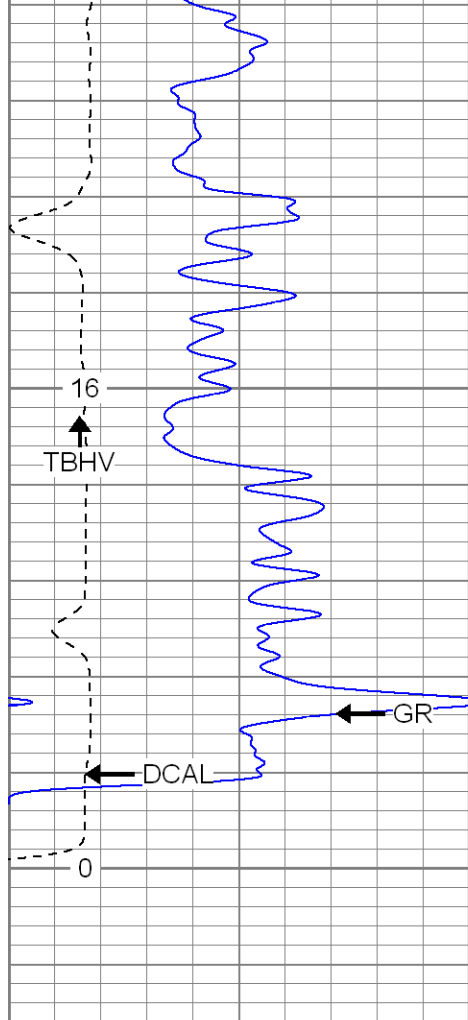








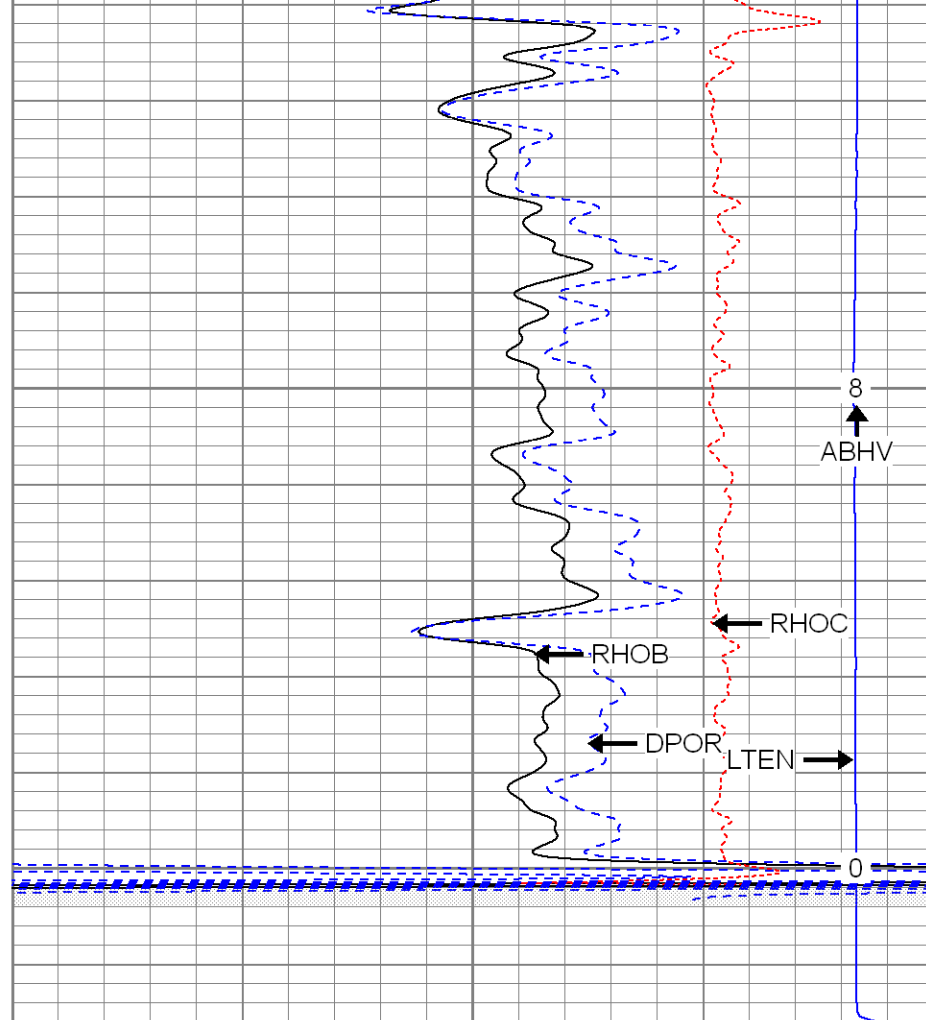




2500

2550

|            |           |     |
|------------|-----------|-----|
| 0          | GR (GAPI) | 200 |
| 6          | DCAL (in) | 16  |
| TBHV (ft3) |           |     |



|            |             |     |
|------------|-------------|-----|
| 2          | RHOB (g/cc) | 3   |
| 1          | RHOB (g/cc) | 2   |
| 30         | DPOR (pu)   | -10 |
| -0.5       | RHOC (g/cc) | 0.5 |
| 7000       | LTEN (lb)   | 0   |
| ABHV (ft3) |             |     |

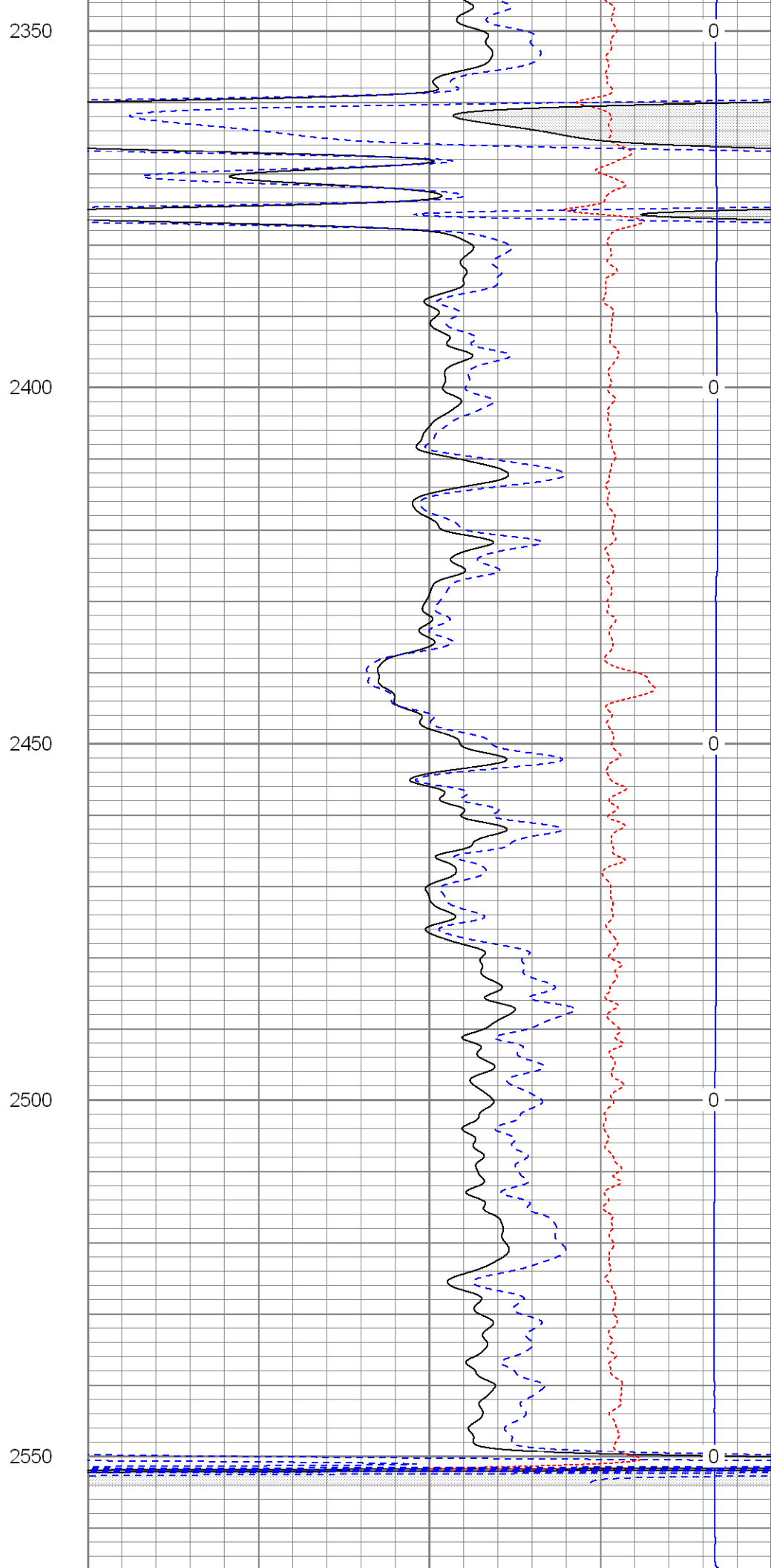
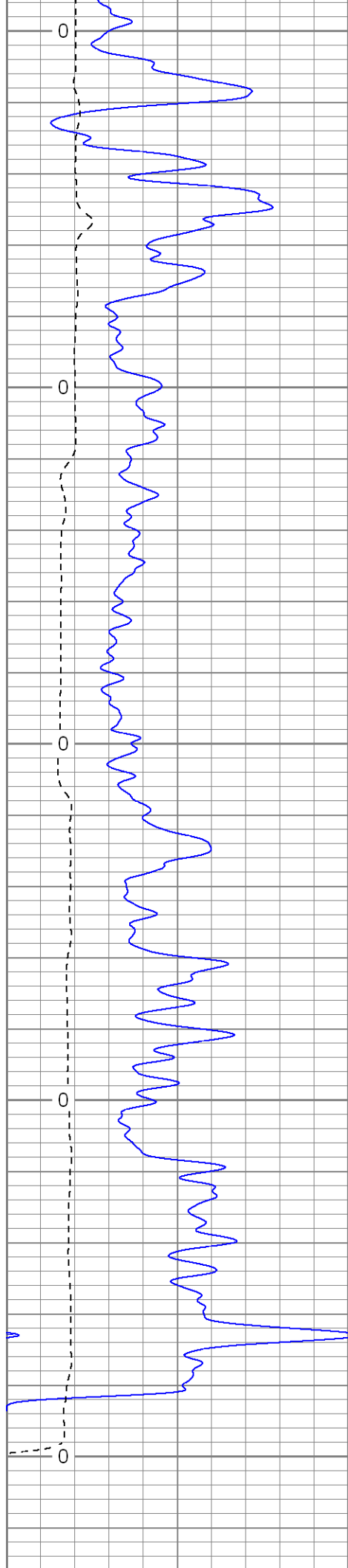


## Repeat Pass

Database File: alibi.db  
 Dataset Pathname: pass1.2  
 Presentation Format: cdl  
 Dataset Creation: Sat May 01 11:03:36 2010 by Calc Open-Cased 071220  
 Charted by: Depth in Feet scaled 1:240

|            |           |     |
|------------|-----------|-----|
| 0          | GR (GAPI) | 200 |
| 6          | DCAL (in) | 16  |
| TBHV (ft3) |           |     |

|            |             |     |
|------------|-------------|-----|
| 2          | RHOB (g/cc) | 3   |
| 1          | RHOB (g/cc) | 2   |
| 30         | DPOR (pu)   | -10 |
| -0.5       | RHOC (g/cc) | 0.5 |
| 7000       | LTEN (lb)   | 0   |
| ABHV (ft3) |             |     |



|            |           |     |
|------------|-----------|-----|
| 0          | GR (GAPI) | 200 |
| 6          | DCAL (in) | 16  |
| TBHV (ft3) |           |     |

|      |             |            |
|------|-------------|------------|
| 2    | RHOB (g/cc) | 3          |
| 1    | RHOB (g/cc) | 2          |
| 30   | DPOR (pu)   | -10        |
| -0.5 | RHOC (g/cc) | 0.5        |
| 7000 | LTEN (lb)   | 0          |
|      |             | ABHV (ft3) |

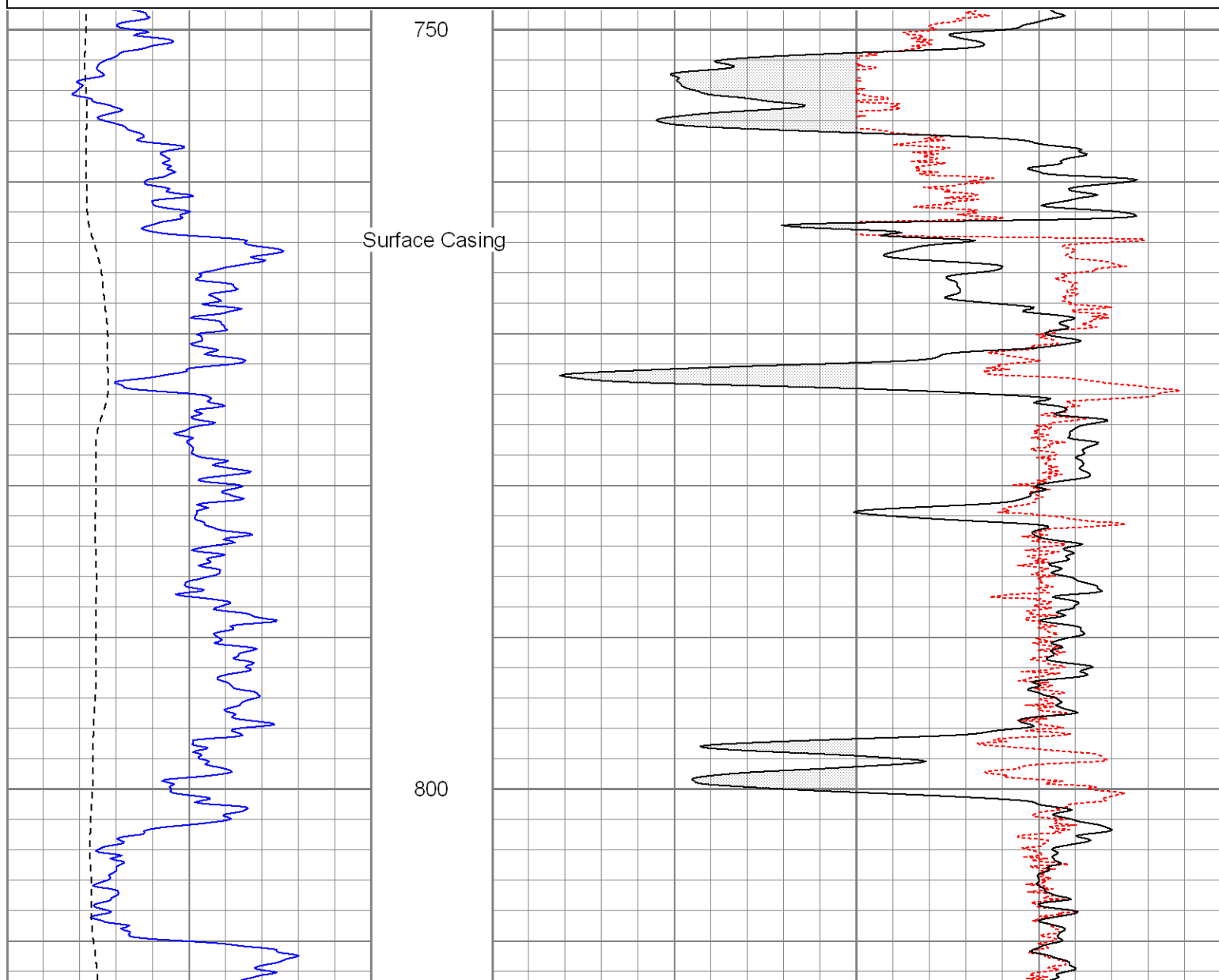


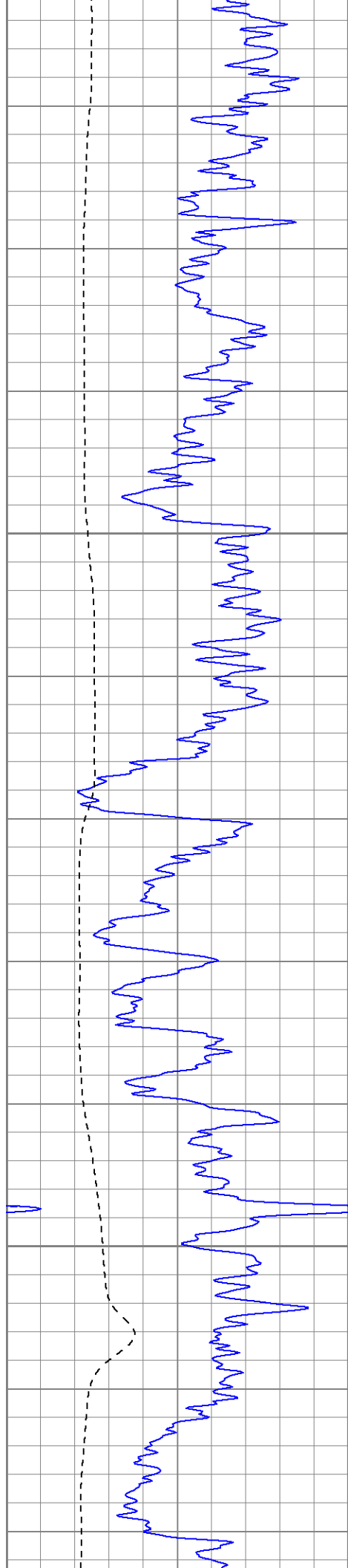
# High Resolution Pass

Database File: alibi.db  
 Dataset Pathname: pass2.2  
 Presentation Format: cdlhr  
 Dataset Creation: Sat May 01 15:00:17 2010 by Calc Open-Cased 071220  
 Charted by: Depth in Feet scaled 1:120

|   |           |     |
|---|-----------|-----|
| 0 | GR (GAPI) | 200 |
| 6 | DCAL (in) | 16  |

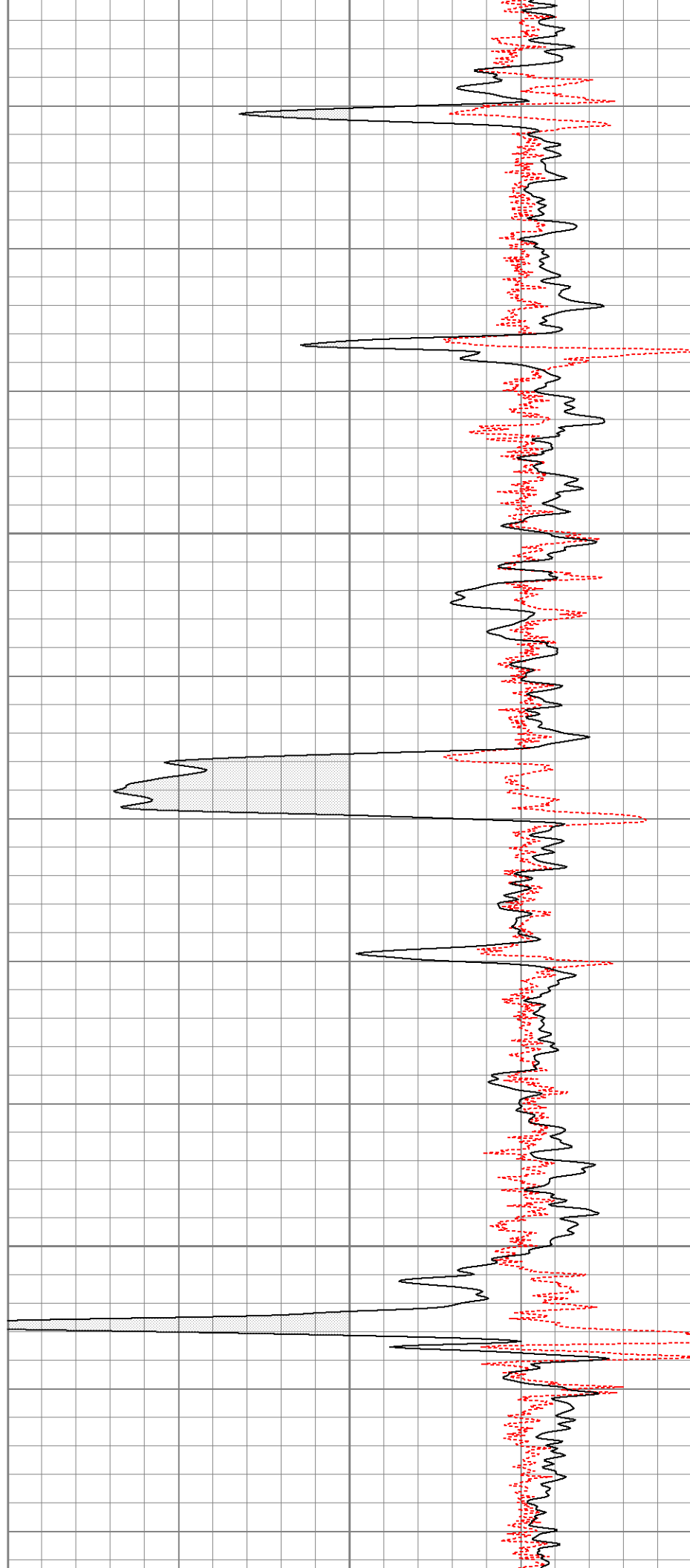
|      |             |     |
|------|-------------|-----|
| 1    | RHOB (g/cc) | 3   |
| -0.5 | RHOC (g/cc) | 0.5 |

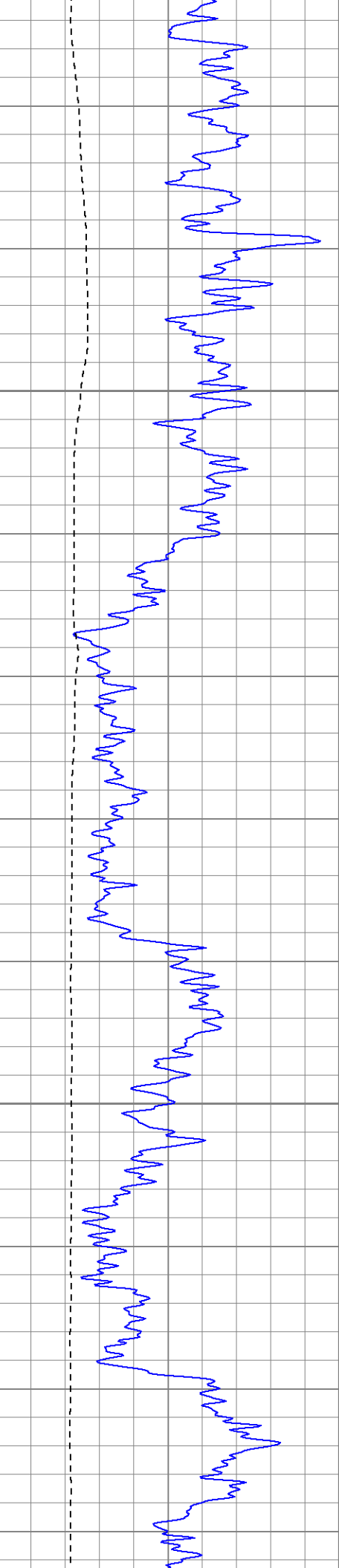




850

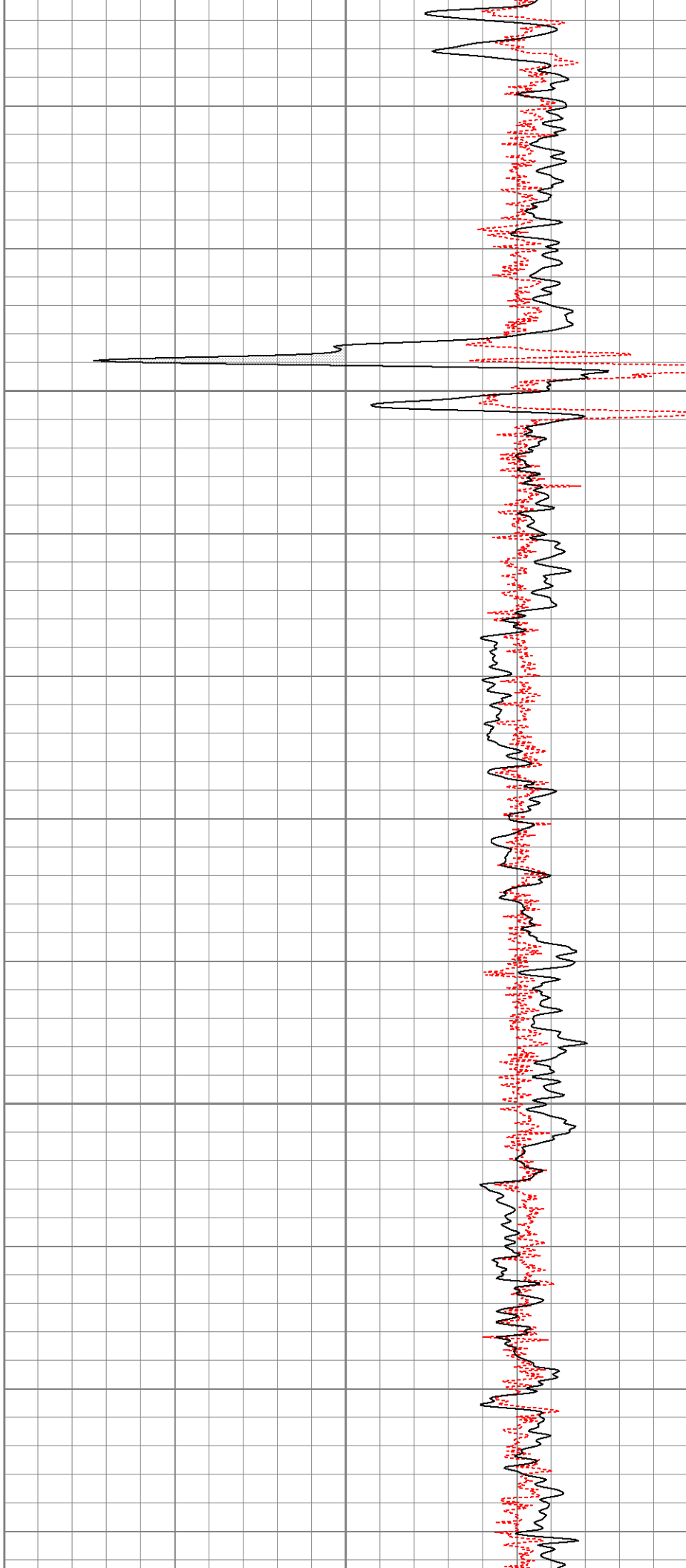
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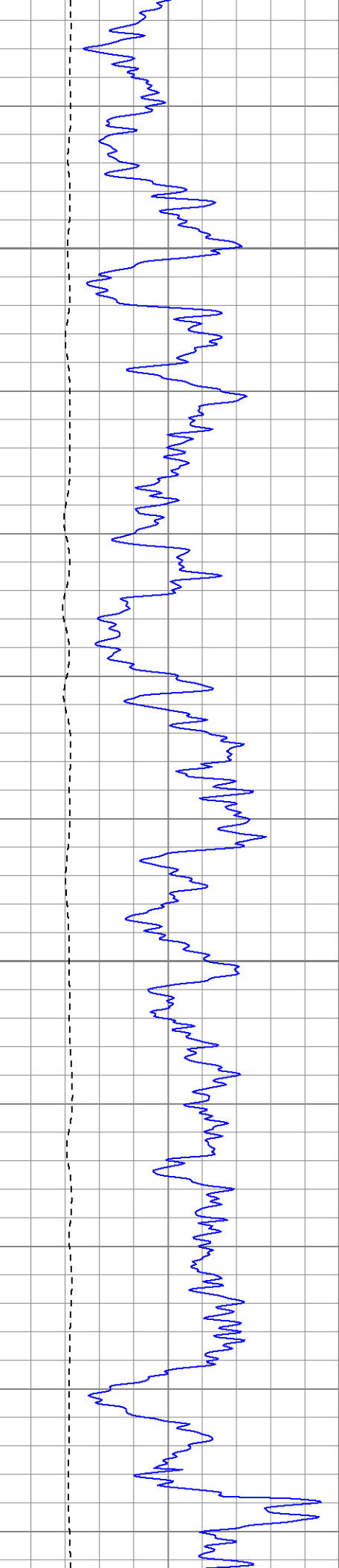




950

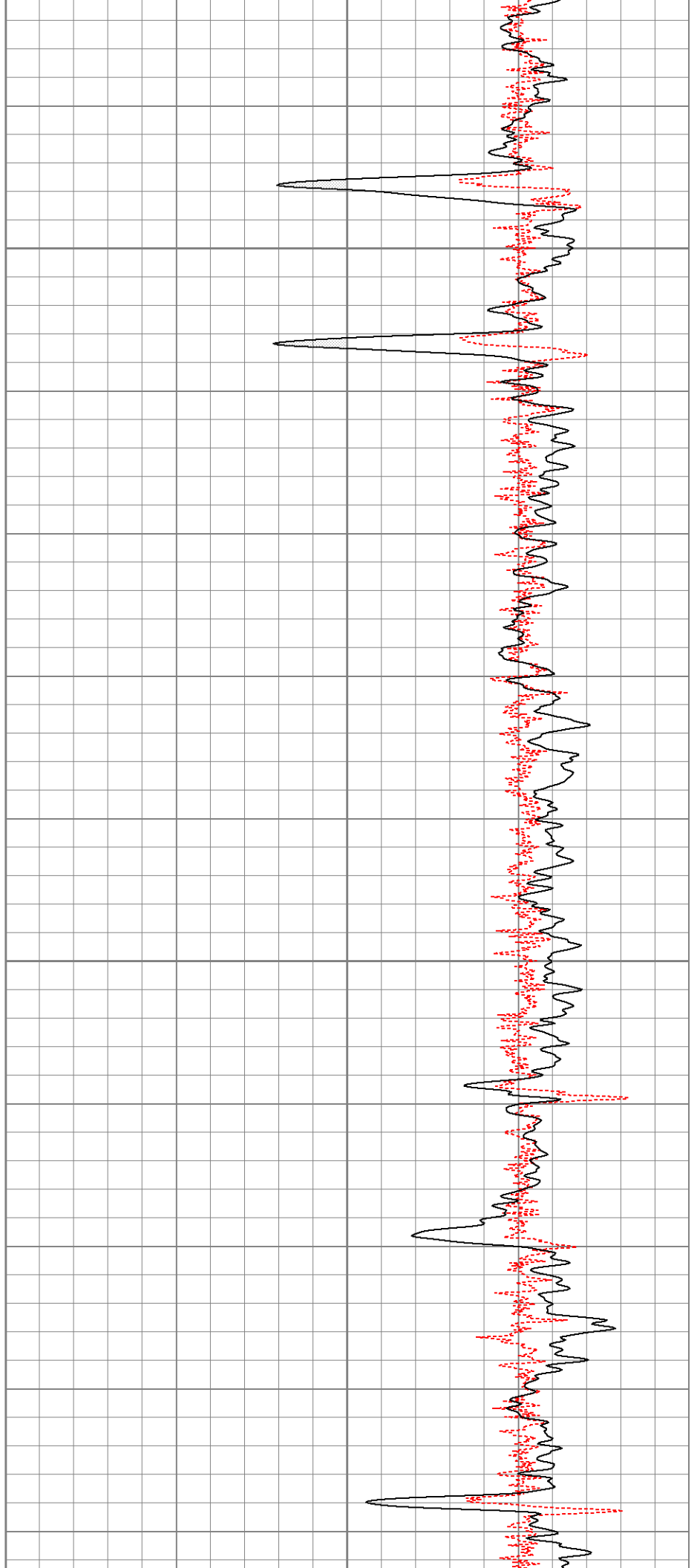
1000

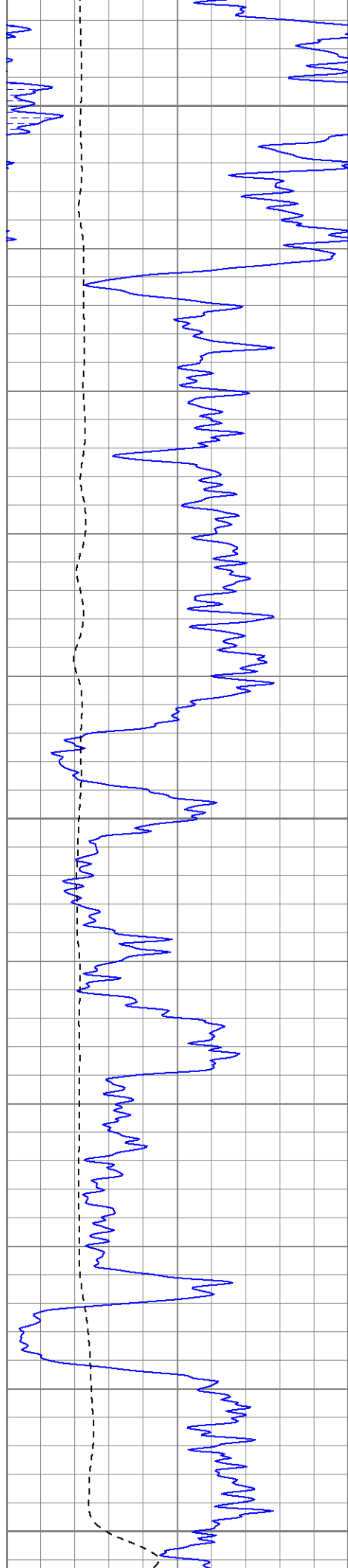




1050

1100

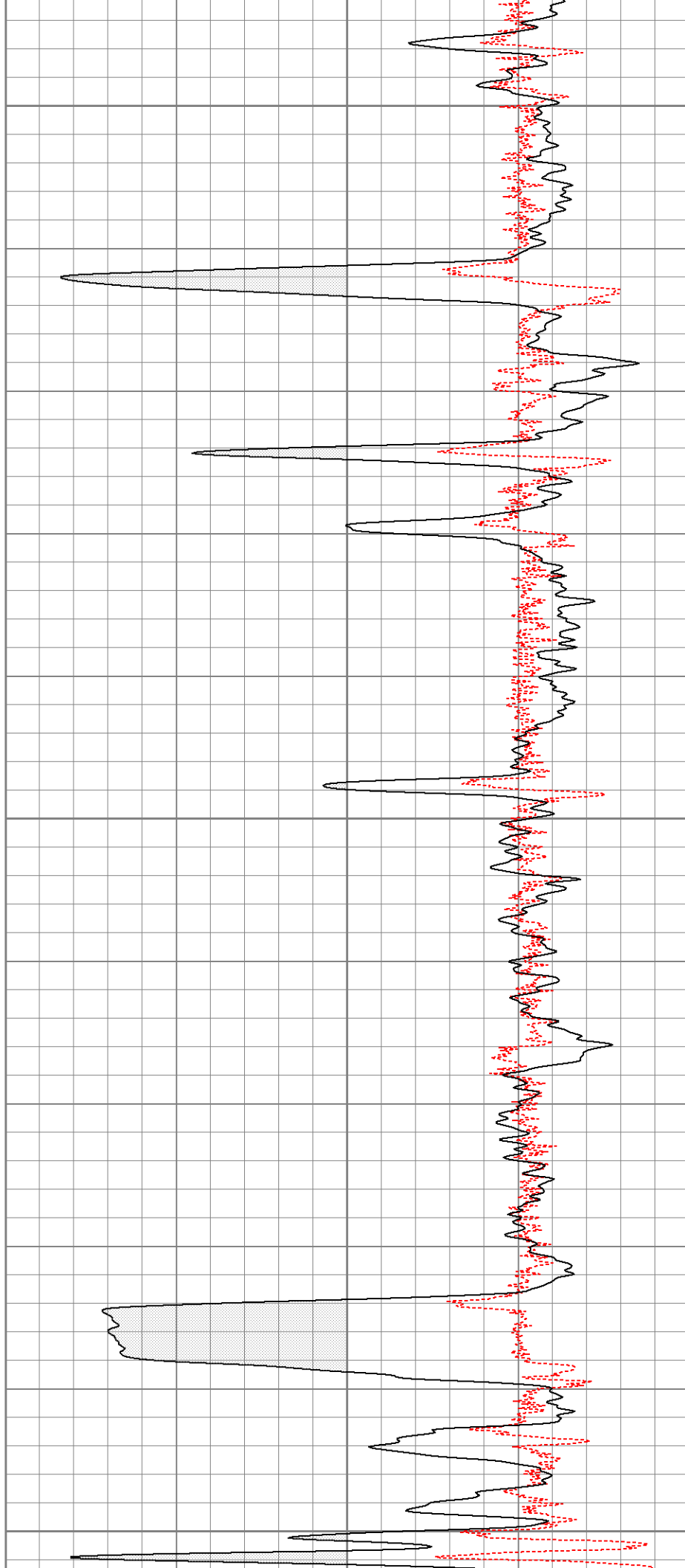




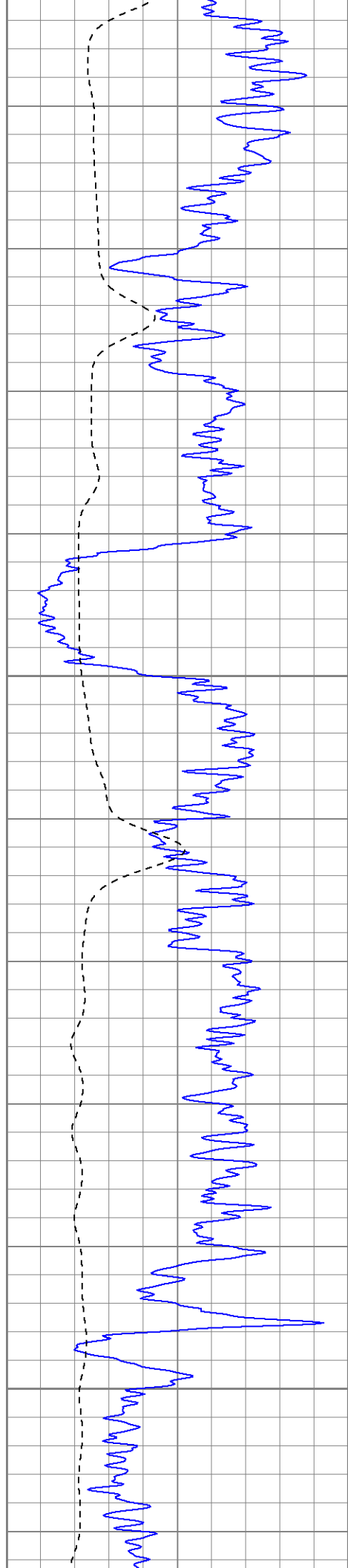
1150

1200

1250

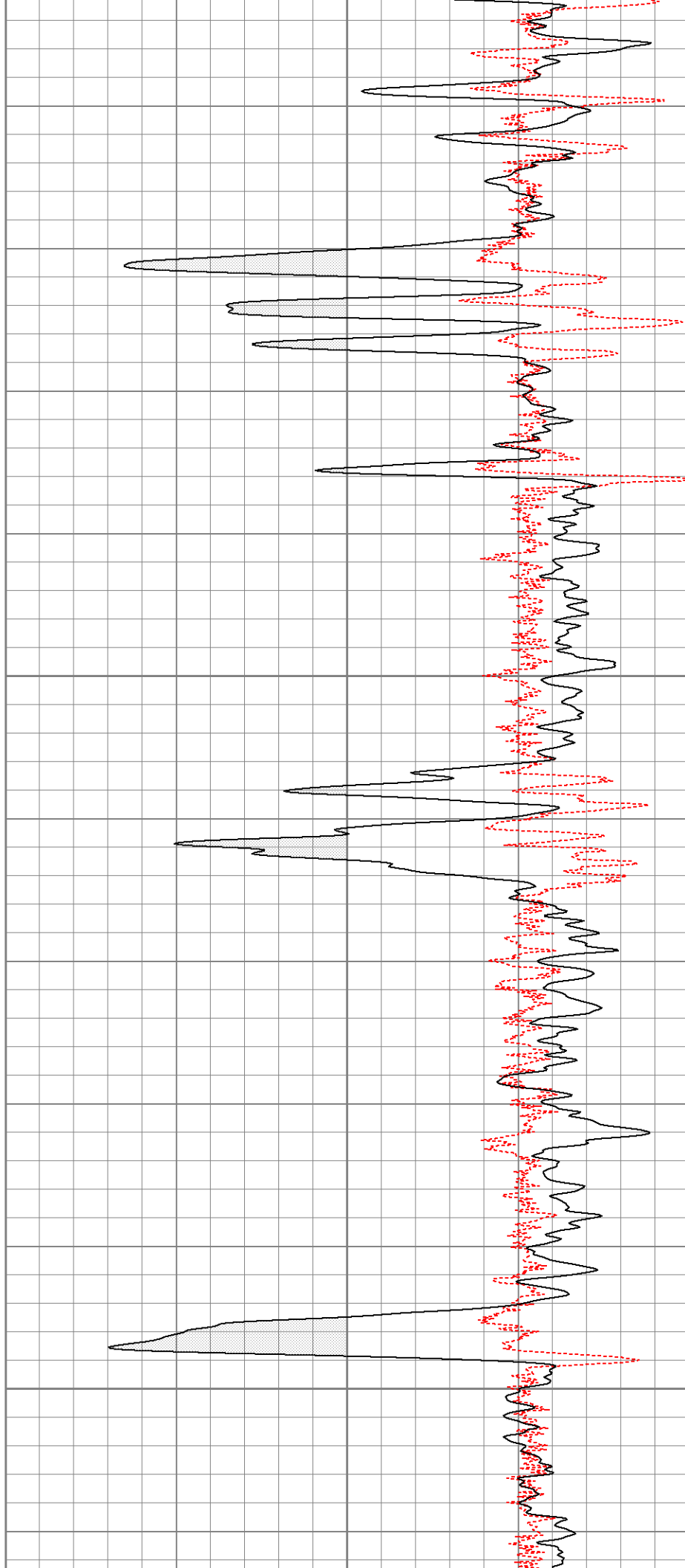


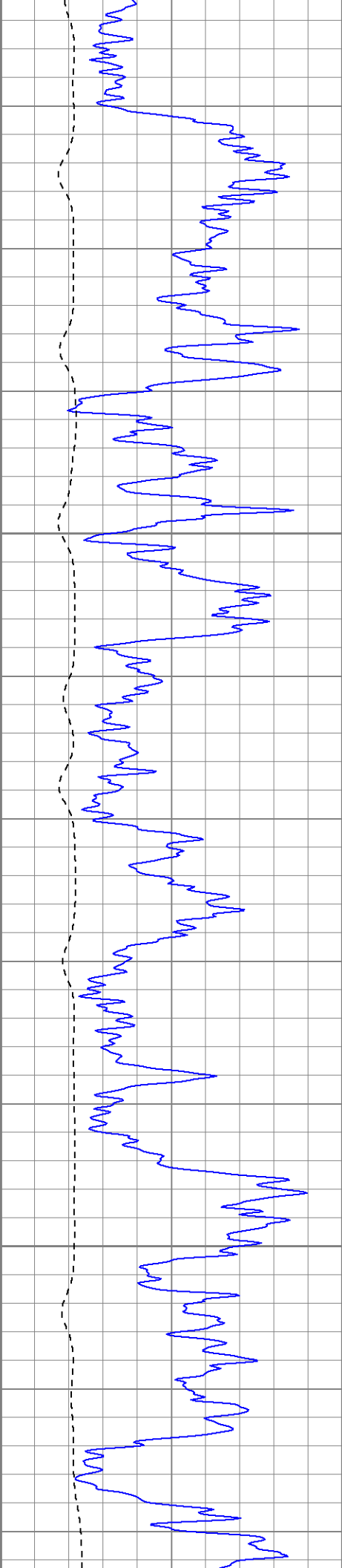




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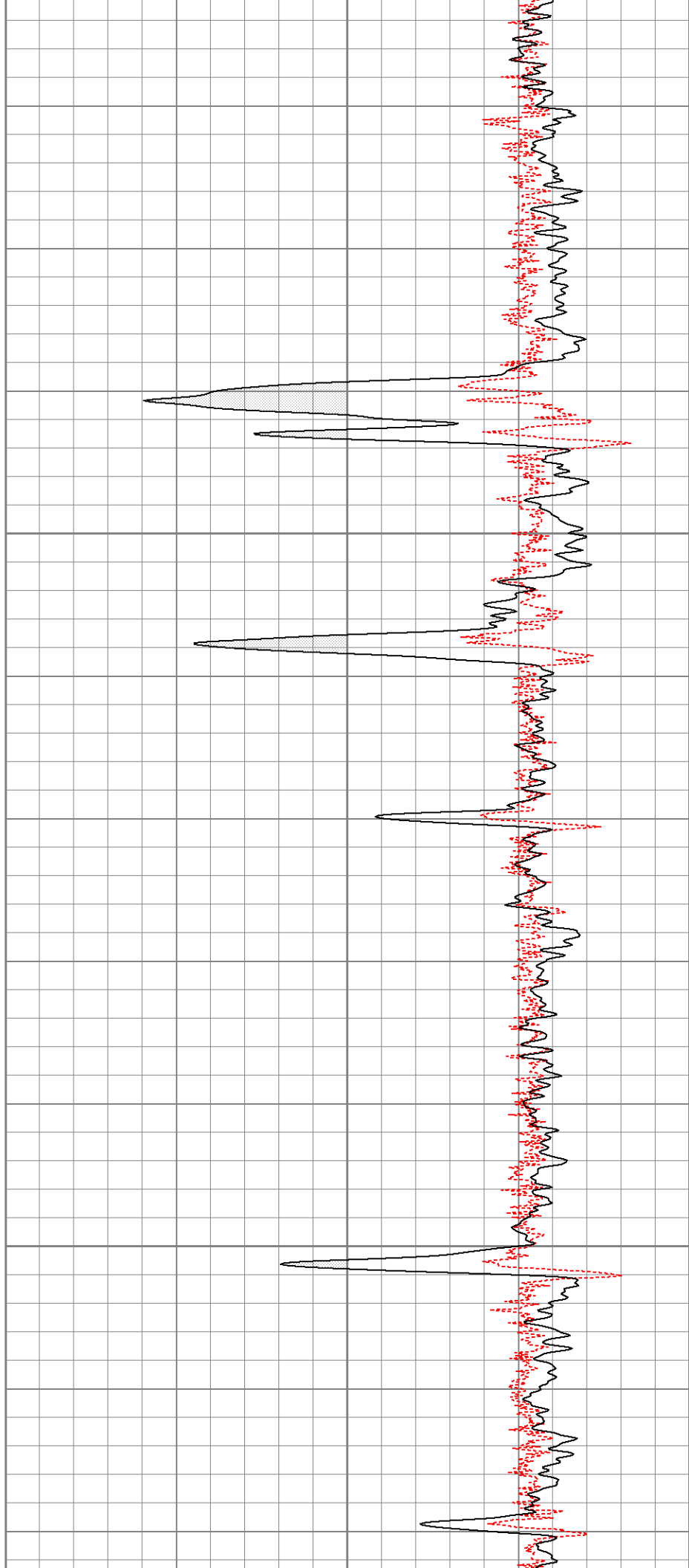
1350

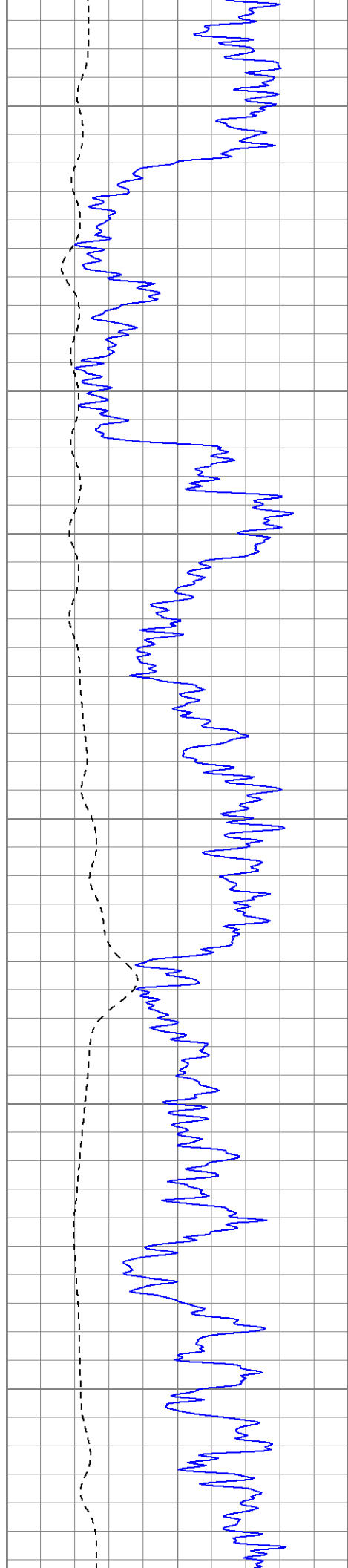




1400

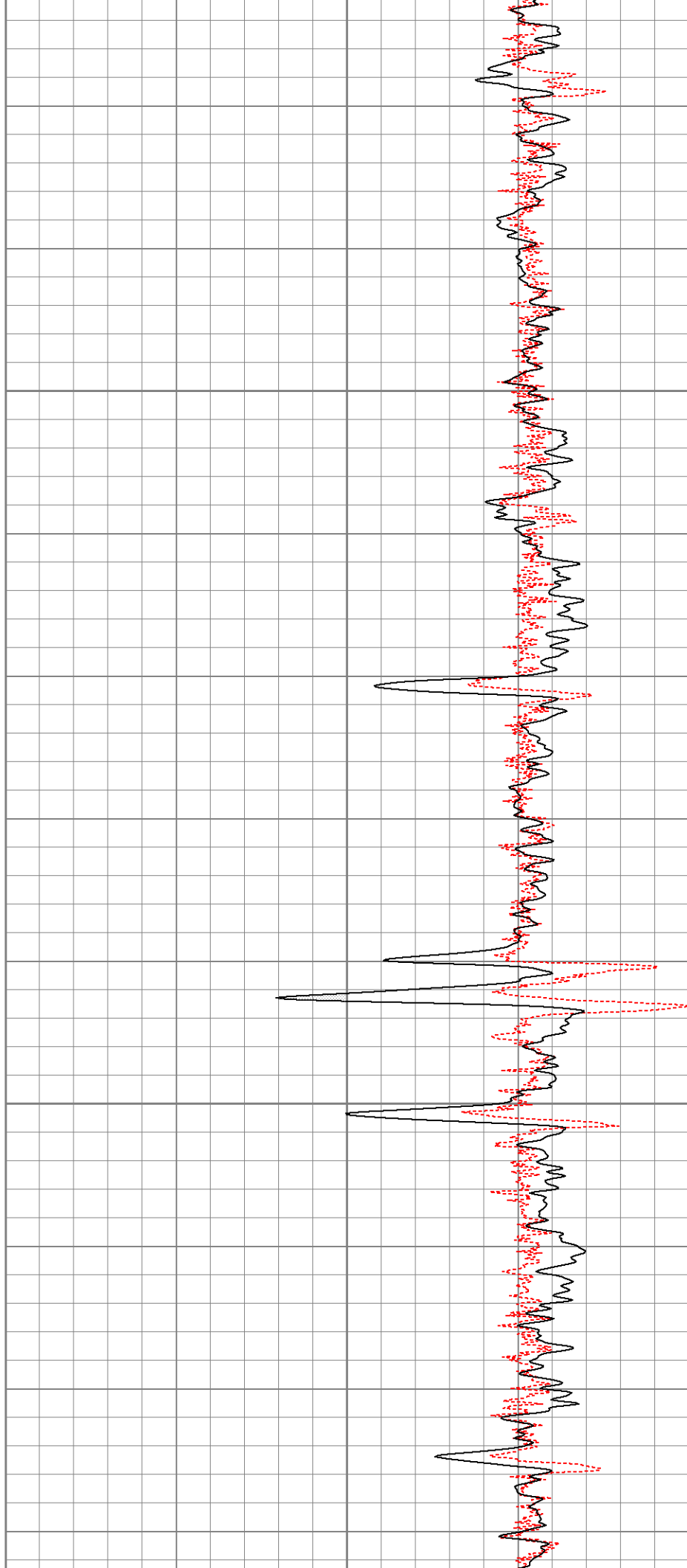
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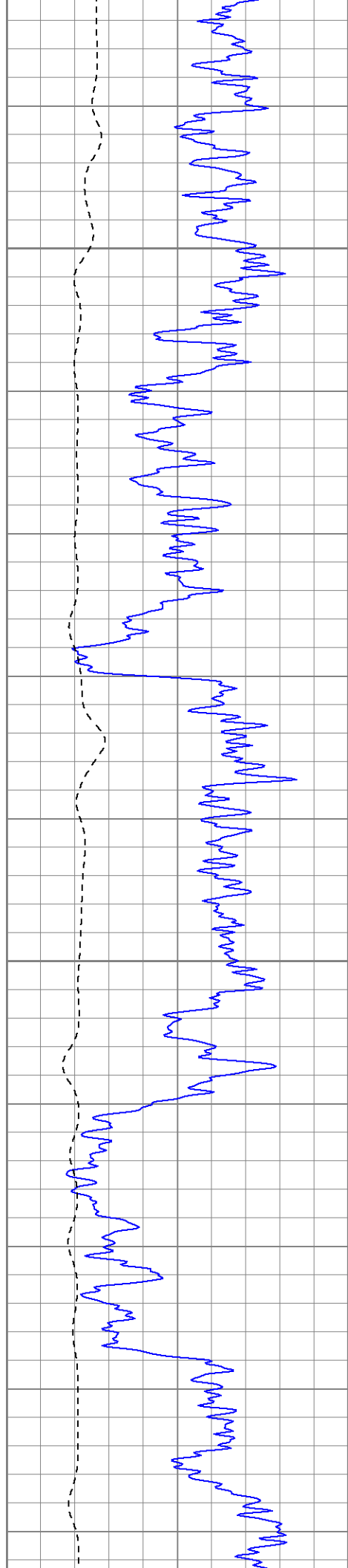




1500

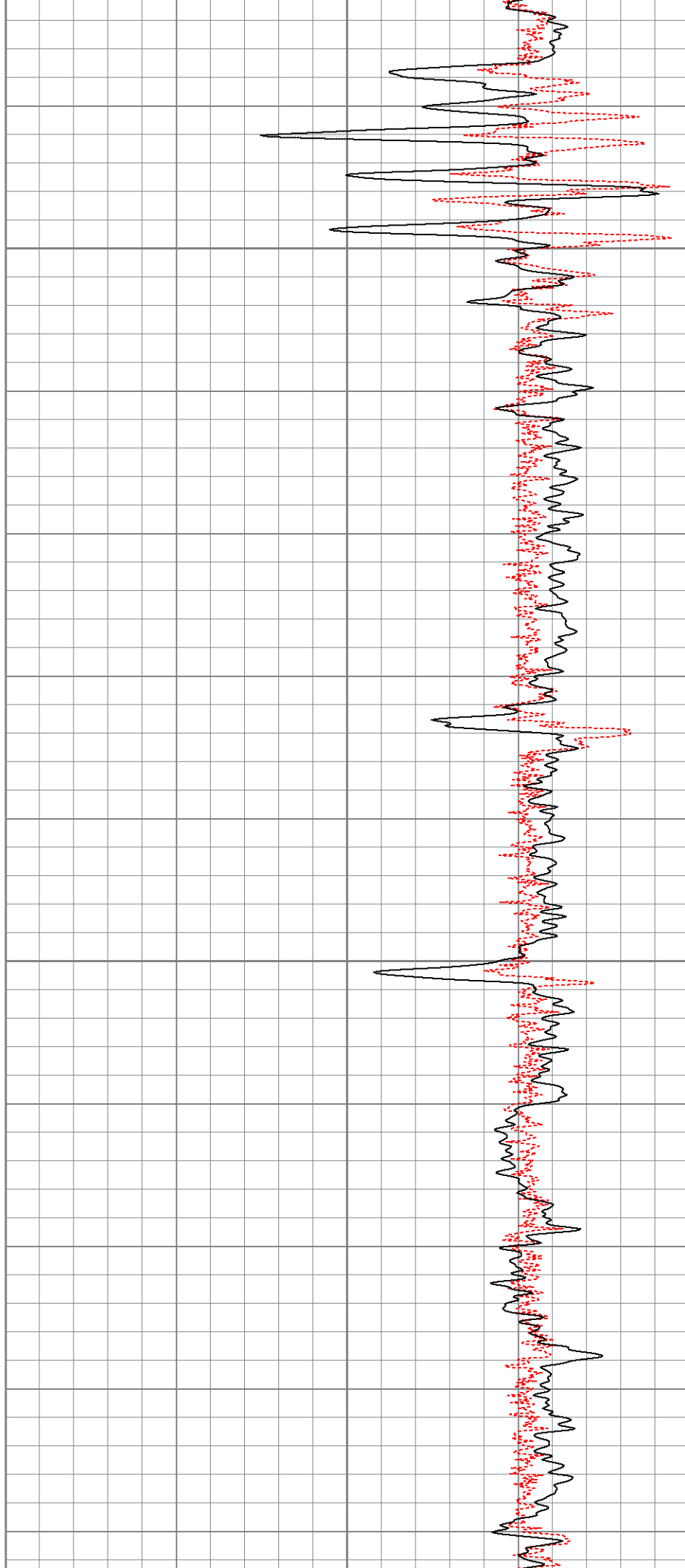
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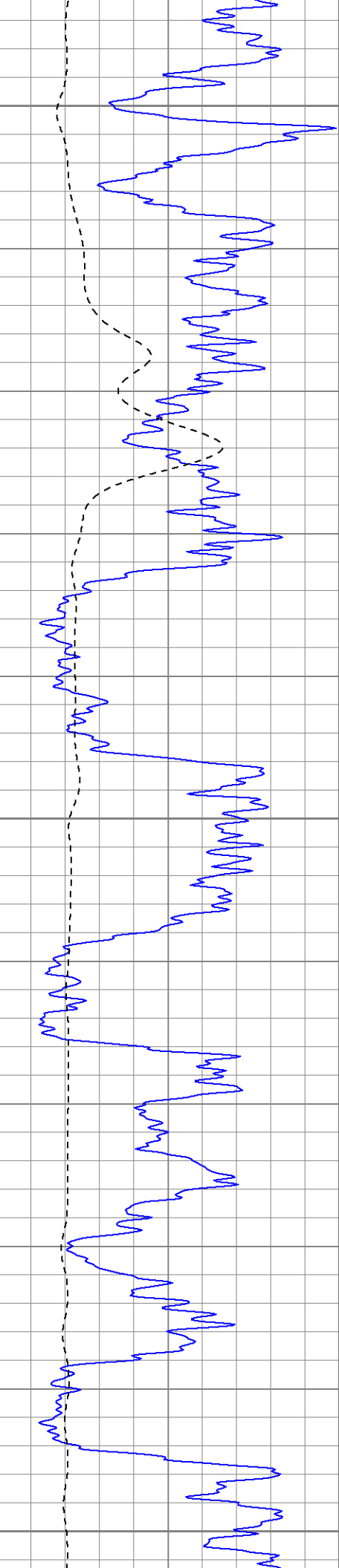




1600

1650

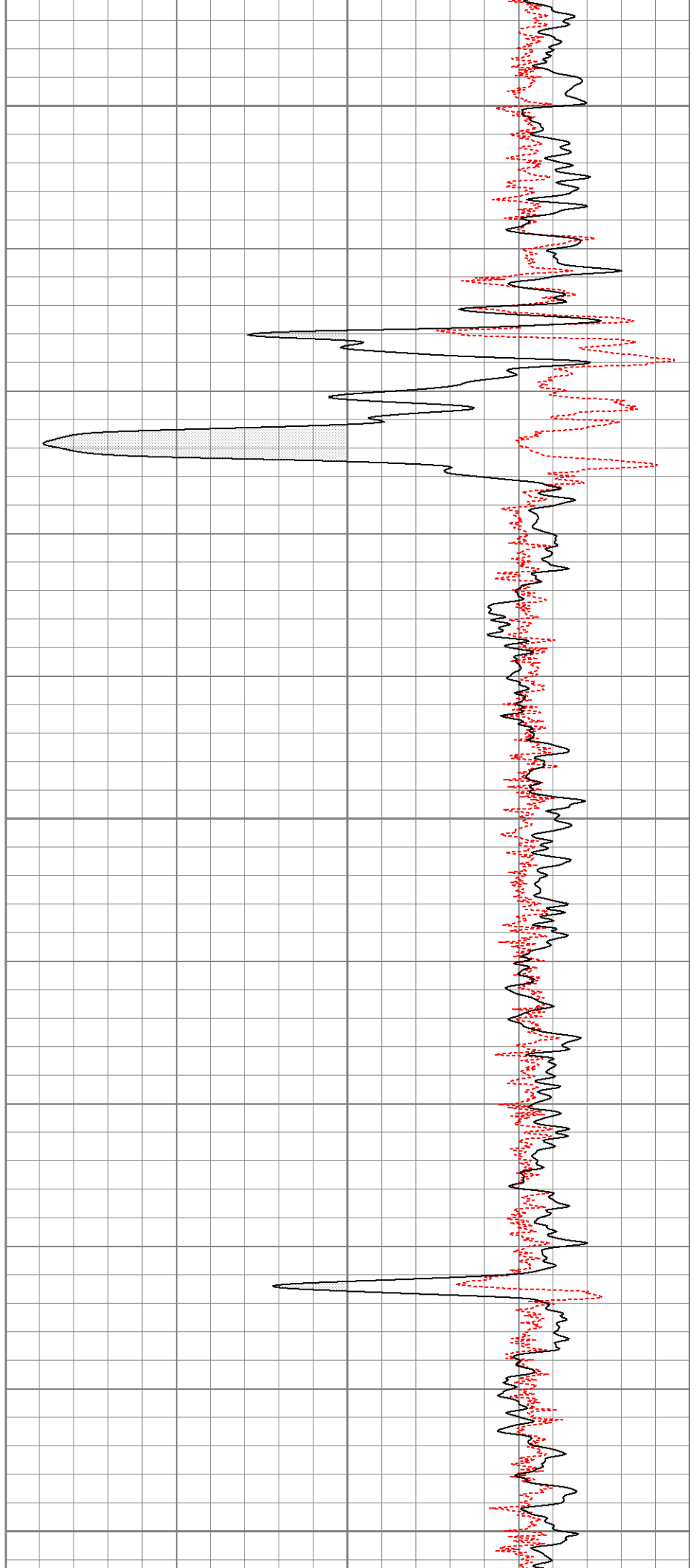


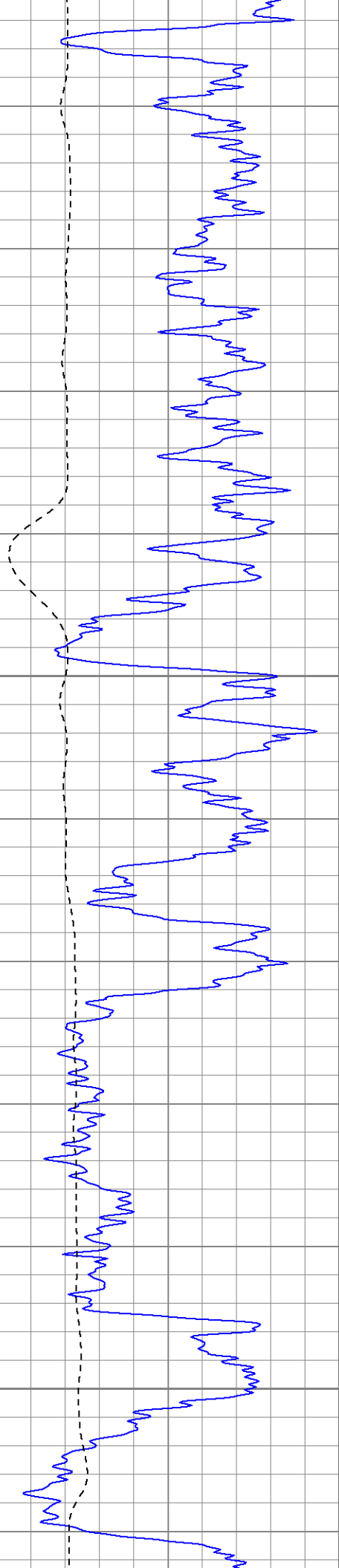


1700

1750

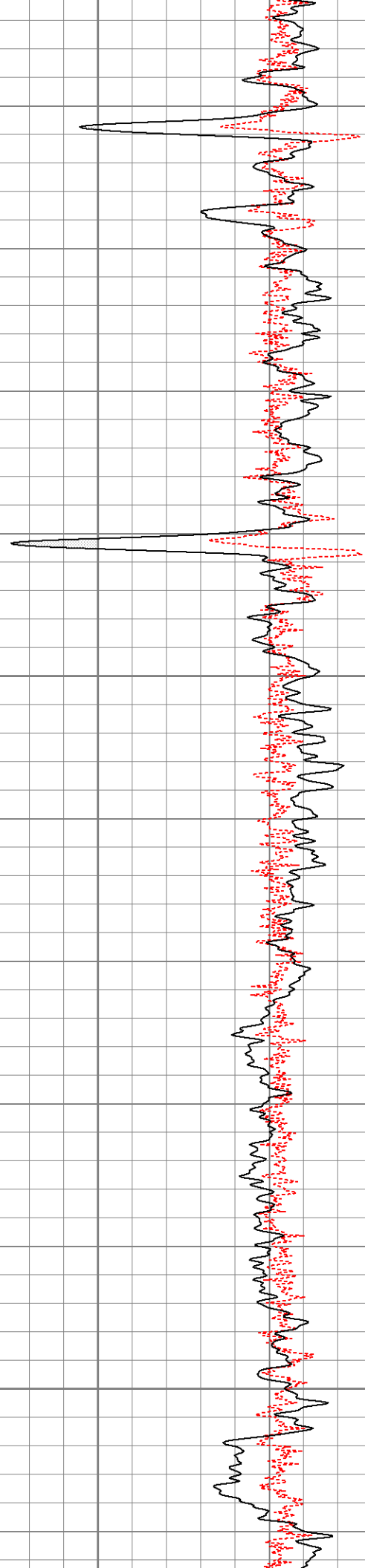
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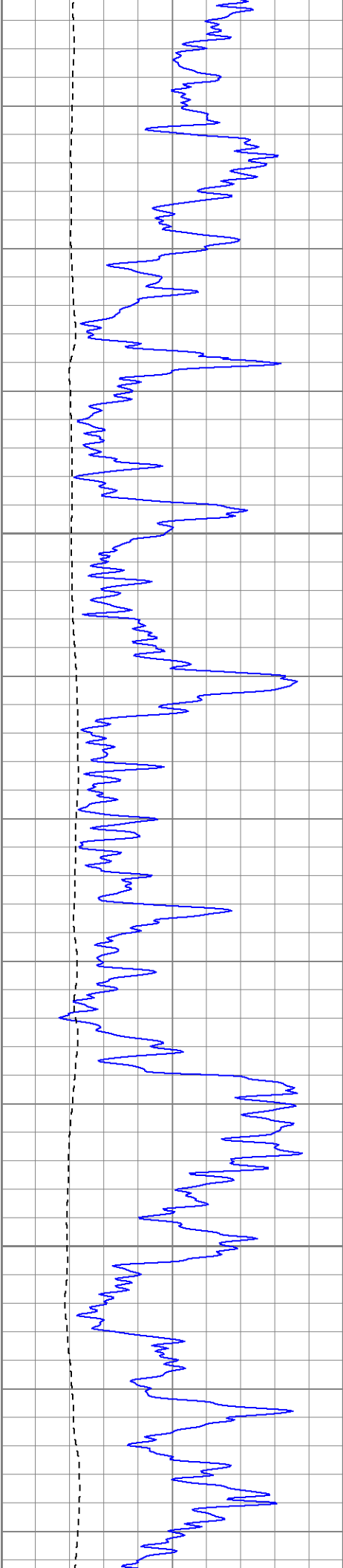




1850

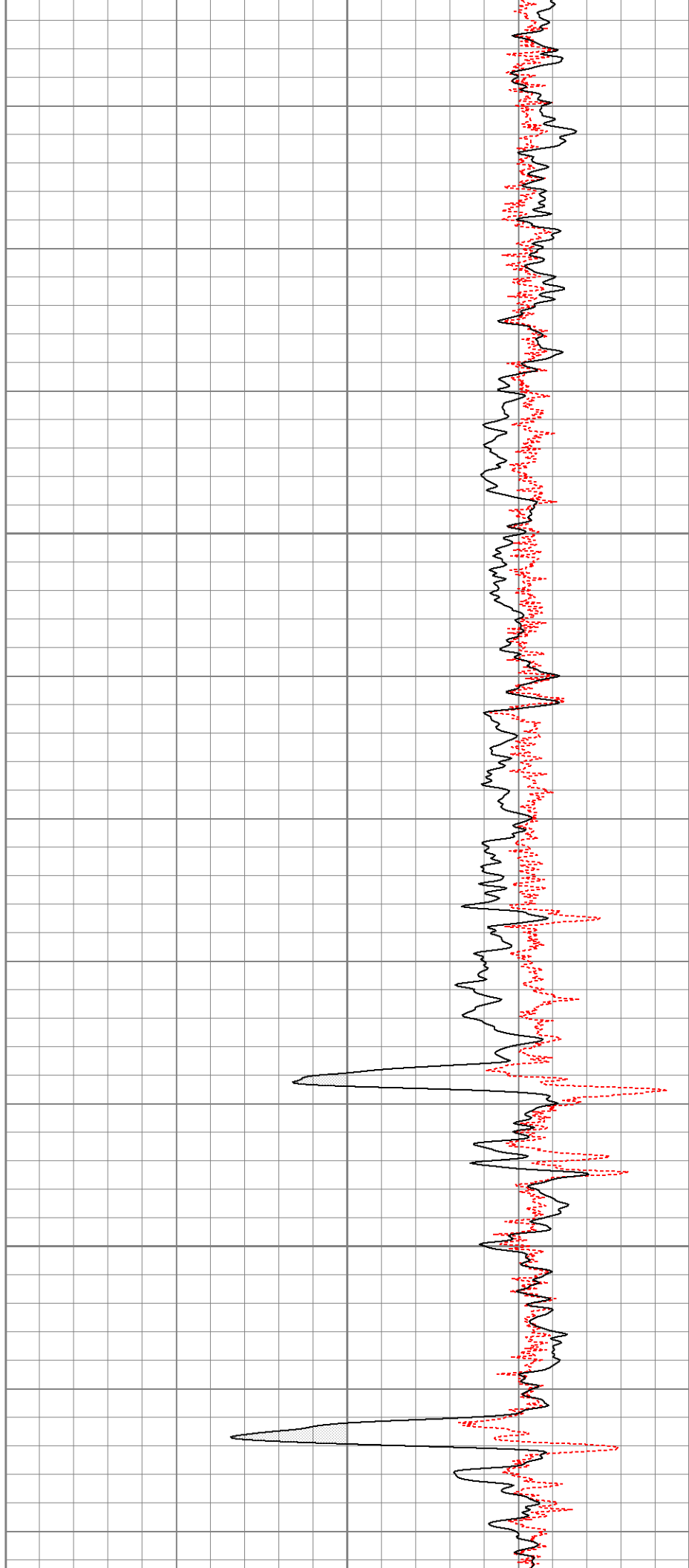
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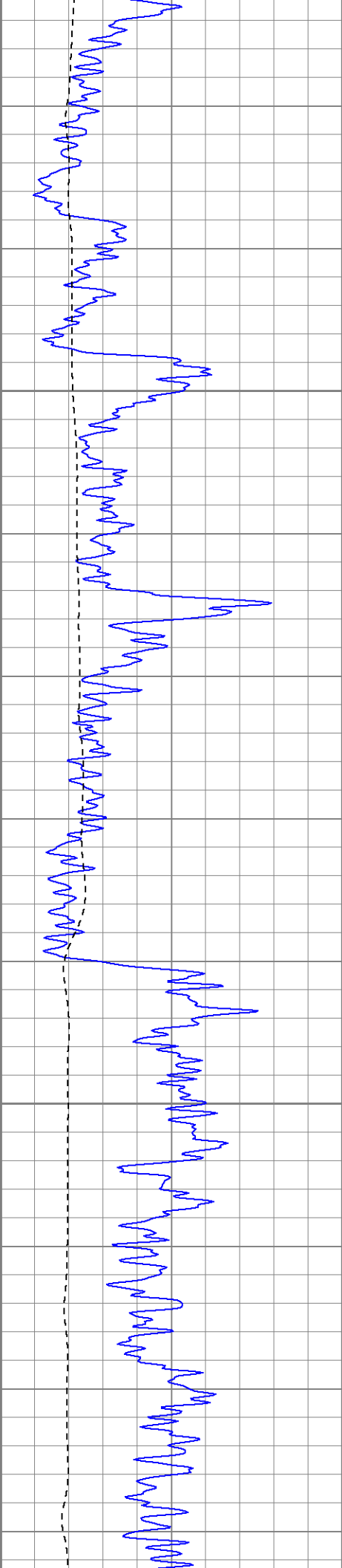




1950

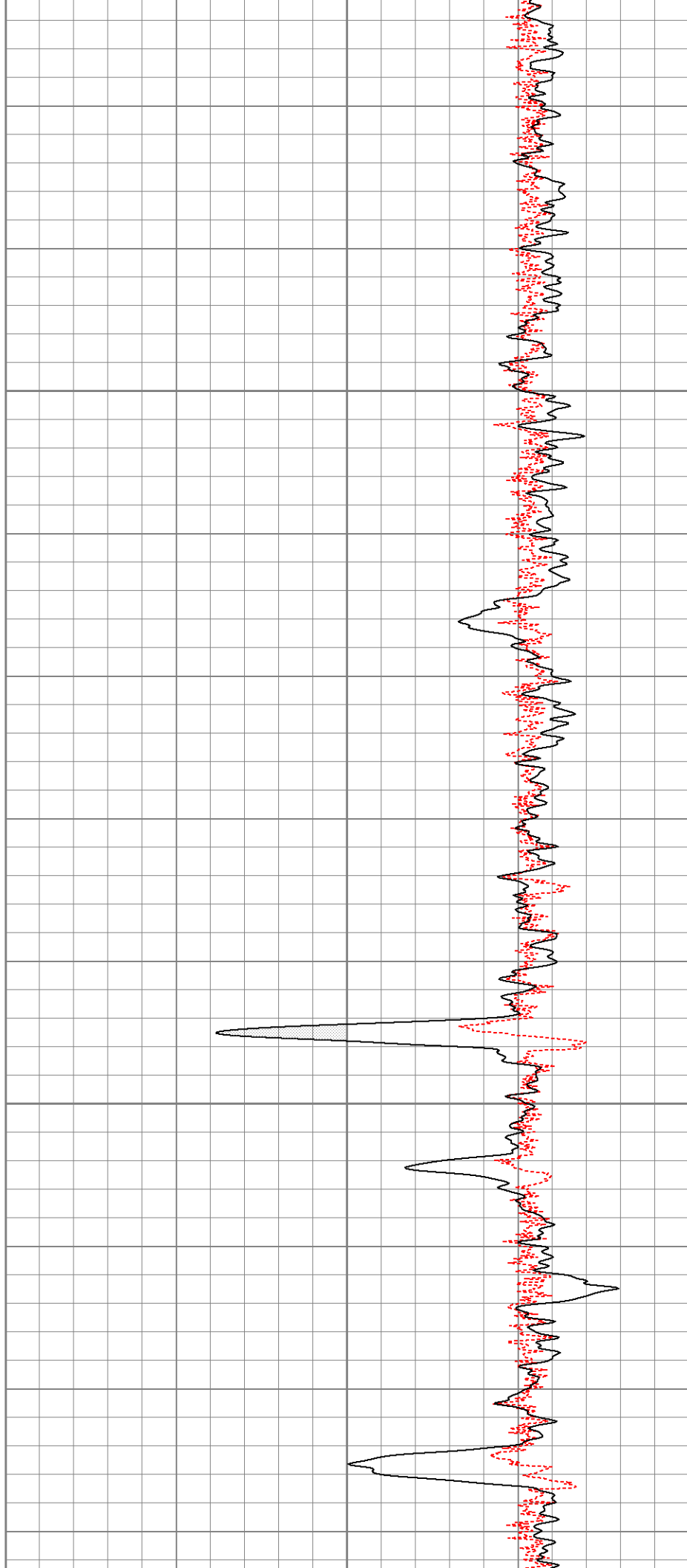
2000



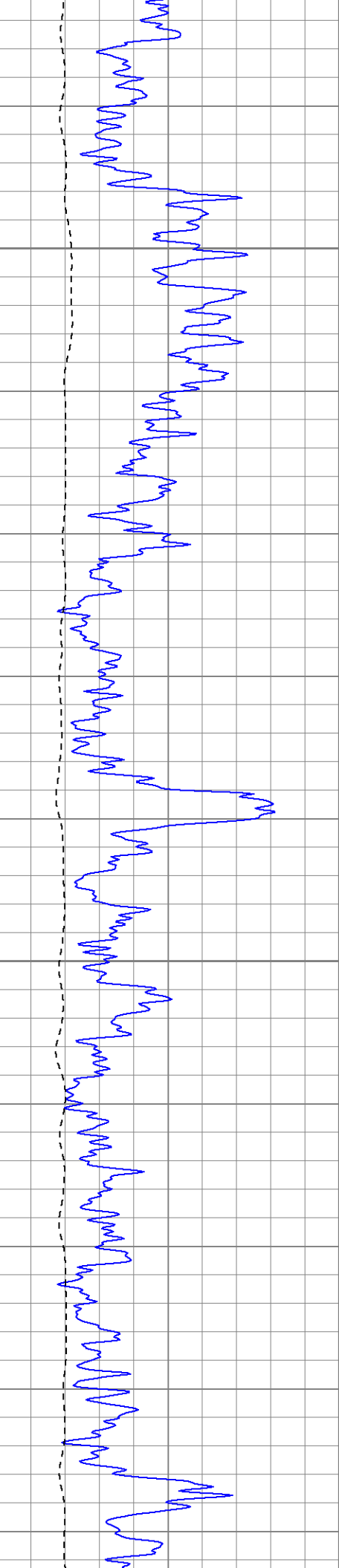


2050

2100

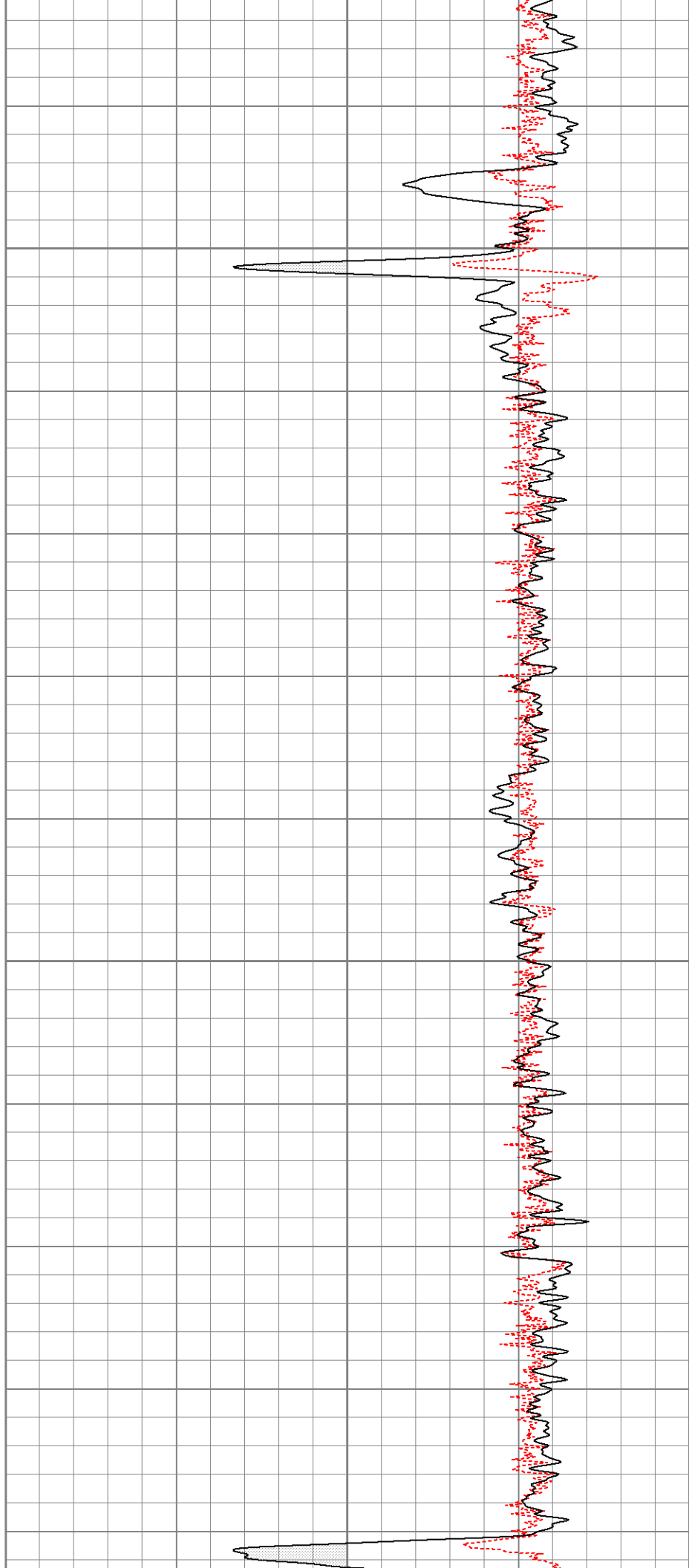






2150

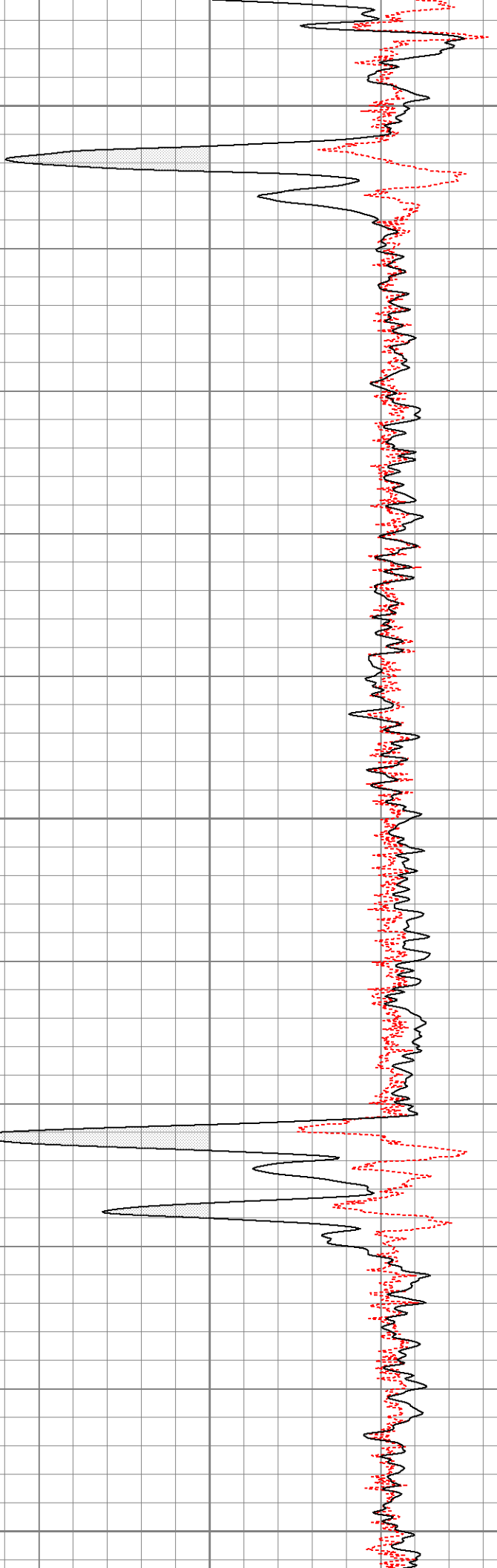
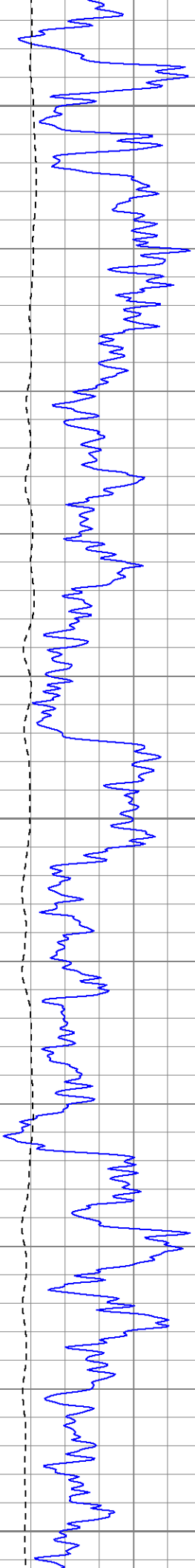
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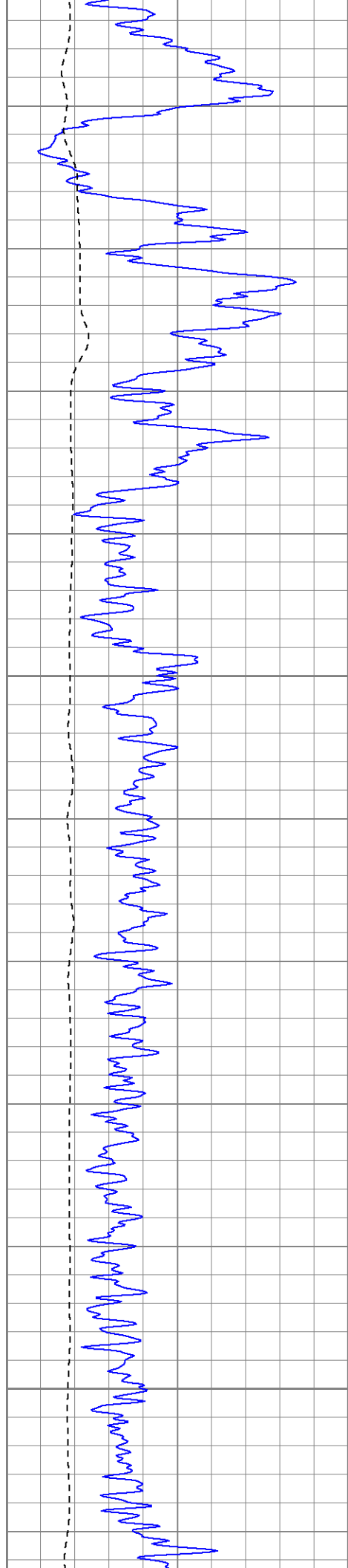


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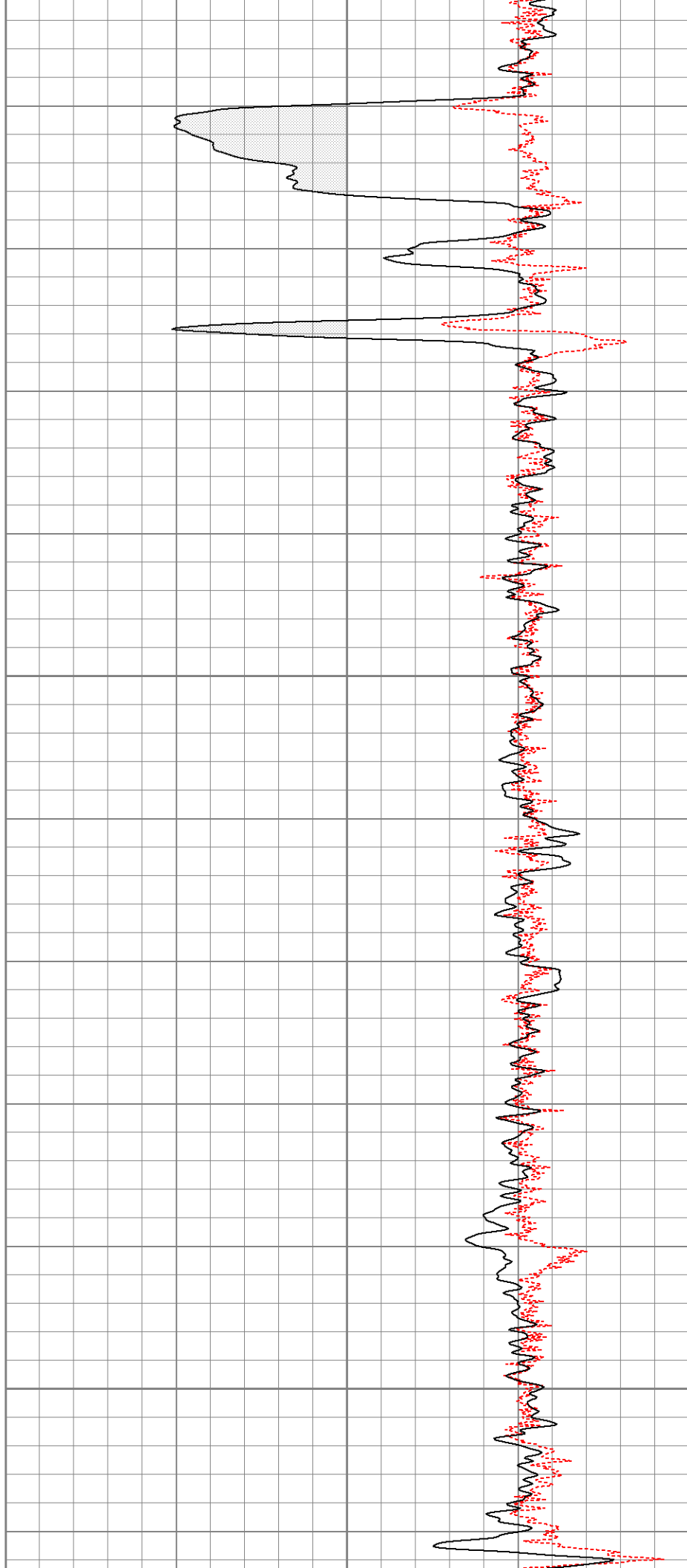
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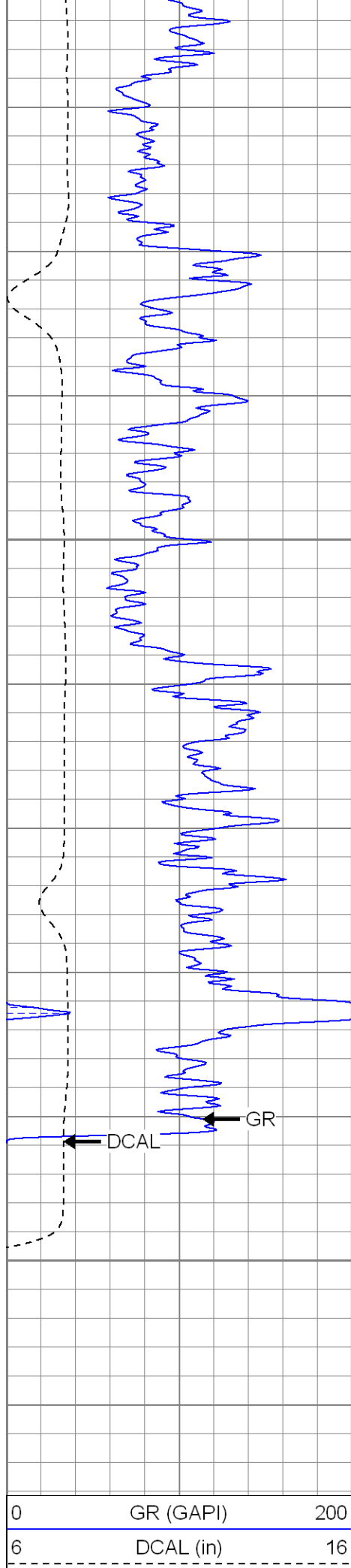




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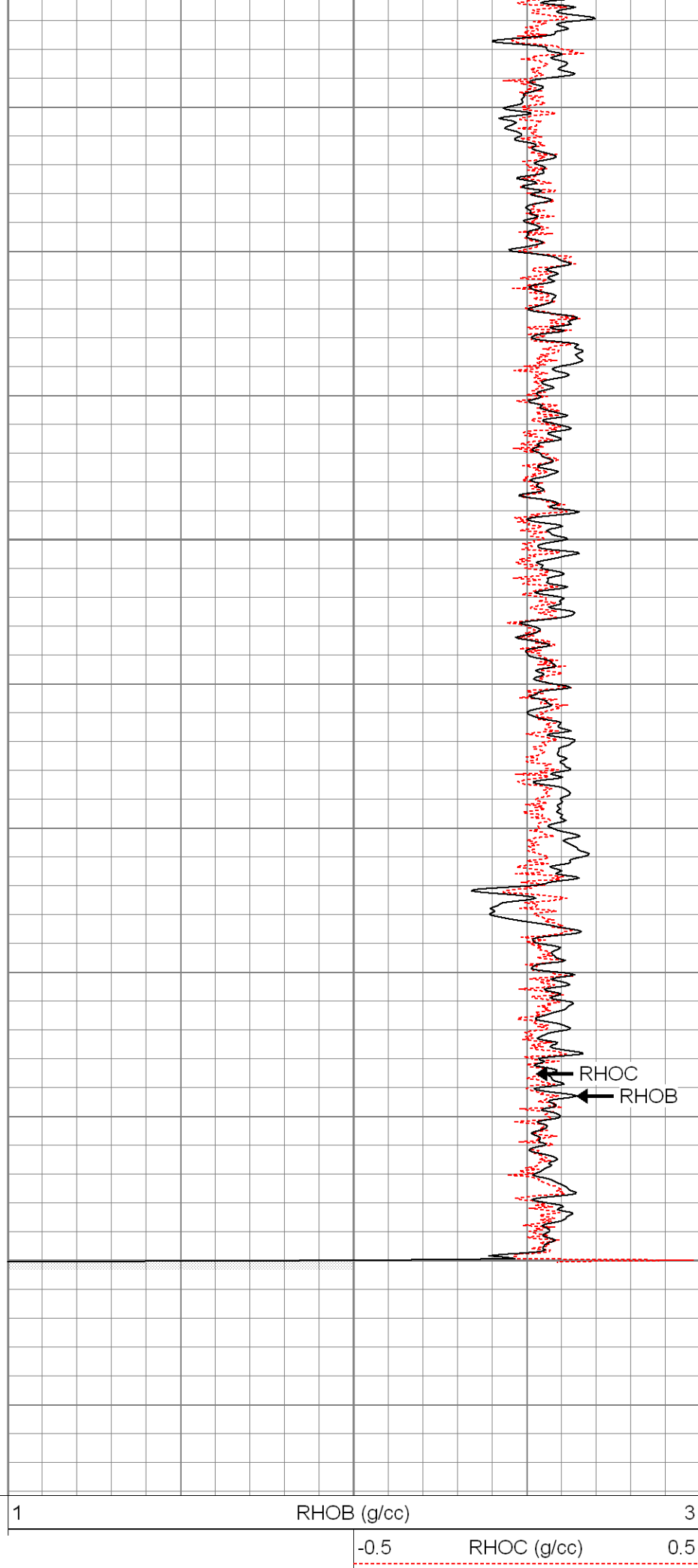
2450





2500

2550



## Calibration Report

Database File: alibi.db  
 Dataset Pathname: pass2  
 Dataset Creation: Sat May 01 10:36:47 2010 by Log Open-Cased 071220

### Induction Tool Calibration Report

Serial Number: 040903  
 Tool Model: Probe  
 Downhole Cal Performed: Wed Apr 28 15:32:23 2010  
 Surface Cal Performed: Wed Apr 28 15:32:23 2010  
 After Survey Verification Performed:

|                         |        |         |      |
|-------------------------|--------|---------|------|
| Surface Calibration:    | Air    | Loop    |      |
| Conductivity Reference: | 0.000  | 500.000 | mmho |
| Conductivity Reading:   | -0.030 | 0.642   | V    |
| Internal Reference:     | Zero   | Cal     |      |
| Conductivity Reference: | 0.000  | 500.000 | mmho |
| Conductivity Reading:   | 0.006  | 0.641   | V    |

|                         |               |              |       |
|-------------------------|---------------|--------------|-------|
| Downhole Calibration:   | Internal Zero | Internal Cal |       |
| Conductivity Reference: | -0.702        | 499.904      | mmho  |
| Conductivity Reading:   | 0.000         | 0.000        | V     |
| Short Normal Reference: | 0.000         | 20.000       | Ohm-m |
| Short Normal Reading:   | 0.006         | 0.234        | V     |

|                           |         |        |
|---------------------------|---------|--------|
| Results:                  | Gain    | Offset |
| Loop Conductivity:        | 744.475 | 22.334 |
| Downhole Correction:      | 1.000   | 0.000  |
| Short Normal Resistivity: | 80.000  | -2.000 |

### Compensated Density Calibration Report

Serial-Model: 901-2.75POH  
 Source / Verifier: /  
 Master Calibration Performed: Wed Apr 28 14:58:17 2010

#### Master Calibration

|                     | Density |      | Far Detector                | Near Detector |     |
|---------------------|---------|------|-----------------------------|---------------|-----|
| Magnesium           | 1.710   | g/cc | 976.87                      | 587.14        | cps |
| Aluminum            | 2.590   | g/cc | 174.01                      | 286.32        | cps |
| Spine Angle = 67.40 |         |      | Density/Spine Ratio = 0.471 |               |     |
|                     | Size    |      | Reading                     |               |     |
| Small Ring          | 7.85    | in   | 2.50                        | V             |     |
| Large Ring          | 17.00   | in   | 4.51                        | V             |     |

### Gamma Ray Calibration Report

Serial Number: 801  
 Tool Model: 2.75POH  
 Performed: Wed Apr 28 14:53:57 2010

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps  
 Calibrator Reading: 1.0 cps

Sensitivity: 0.6000 GAPI/cps

