



## Dual Induction Log

DIGITAL LOG (785) 625-3858

|                        |                          |                                      |                          |
|------------------------|--------------------------|--------------------------------------|--------------------------|
| API No.                | Company Molz Oil Company |                                      |                          |
| 15-007-23610-00-00     | Well Achenbach "B" #2    |                                      |                          |
|                        | Field Stranathan         |                                      |                          |
|                        | County Barber            | State                                | Kansas                   |
|                        | Location                 | SW SE NE NW<br>1172' FNL & 3231' FEL |                          |
|                        | Sec: 1                   | Twp: 35S                             | Rge: 12W                 |
|                        | Permanent Datum          | Ground Level                         | Elevation 1410           |
|                        | Log Measured From        | Kelly Bushing                        | 10 Ft. Above Perm. Datum |
|                        | Drilling Measured From   | Kelly Bushing                        |                          |
| Date                   |                          | 11/15/2010                           |                          |
| Run Number             |                          | One                                  |                          |
| Depth Driller          |                          | 5560                                 |                          |
| Depth Logger           |                          | 5564                                 |                          |
| Bottom Logged Interval |                          | 5563                                 |                          |
| Top Log Interval       |                          | 300                                  |                          |
| Casing Driller         |                          | 13.375 @ 315                         |                          |
| Casing Logger          |                          | 318                                  |                          |
| Bit Size               |                          | 7.875                                |                          |
| Type Fluid in Hole     |                          | Chemical                             |                          |
| Salinity, ppm CL       |                          | 9000                                 |                          |
| Density / Viscosity    |                          | 9.3 84                               |                          |
| pH / Fluid Loss        |                          | 9.5 9.0                              |                          |
| Source of Sample       |                          | Flowline                             |                          |
| Rm @ Meas. Temp        |                          | 0.55 @ 62                            |                          |
| Rmf @ Meas. Temp       |                          | 0.41 @ 62                            |                          |
| Rmc @ Meas. Temp       |                          | 0.74 @ 62                            |                          |
| Source of Rmf / Rmc    |                          | Charts                               |                          |
| Rm @ BHT               |                          | 0.26 @ 134                           |                          |
| Operating Rig Time     |                          | 4 Hours                              |                          |
| Max Rec. Temp. F       |                          | 134                                  |                          |
| Equipment Number       |                          | 17                                   |                          |
| Location               |                          | Hays                                 |                          |
| Recorded By            |                          | R. Barnhart                          |                          |
| Witnessed By           |                          | Arden Ratzlaff                       |                          |

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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 Log-Tech, Inc.  
(785) 625-3858

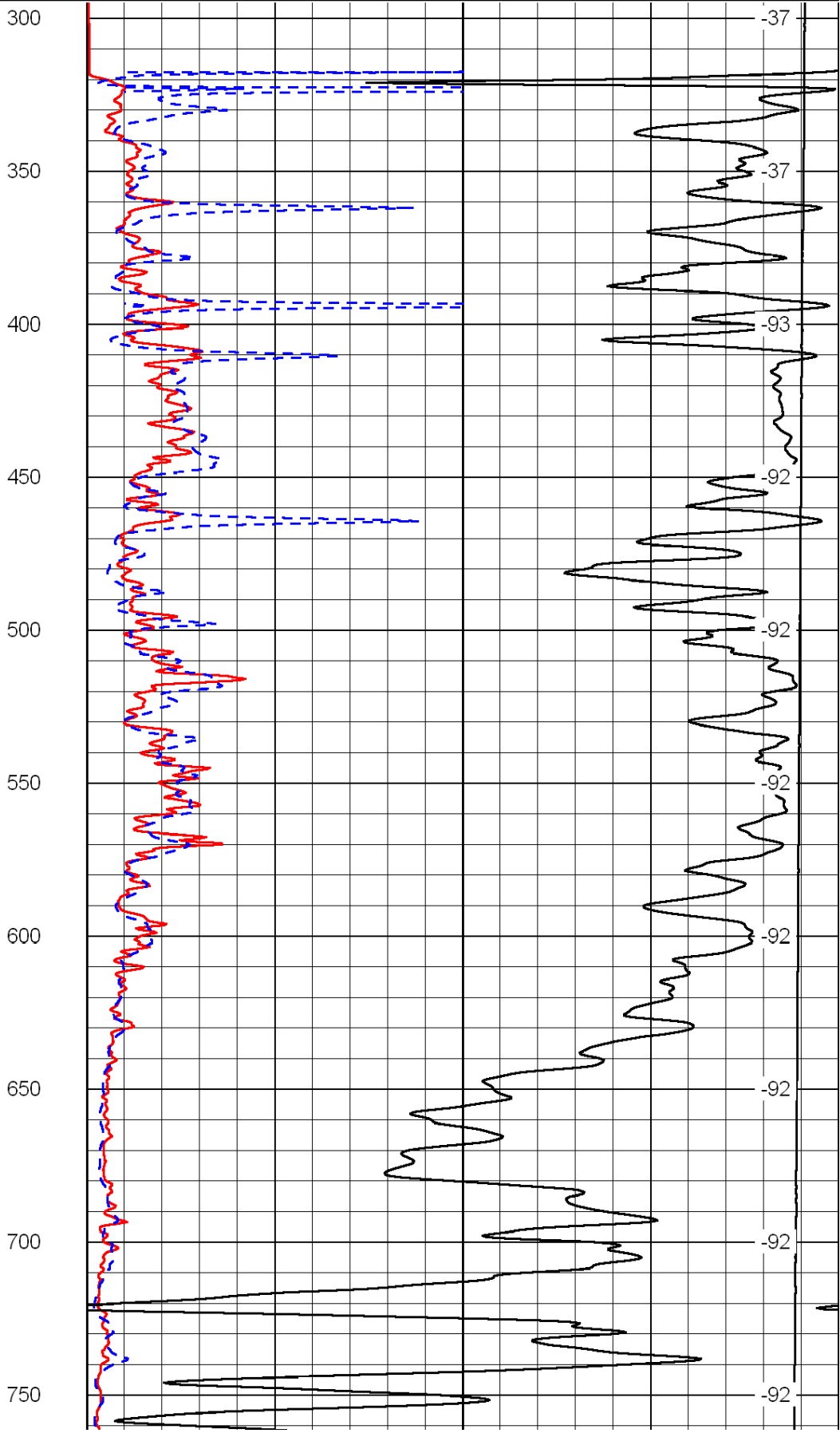
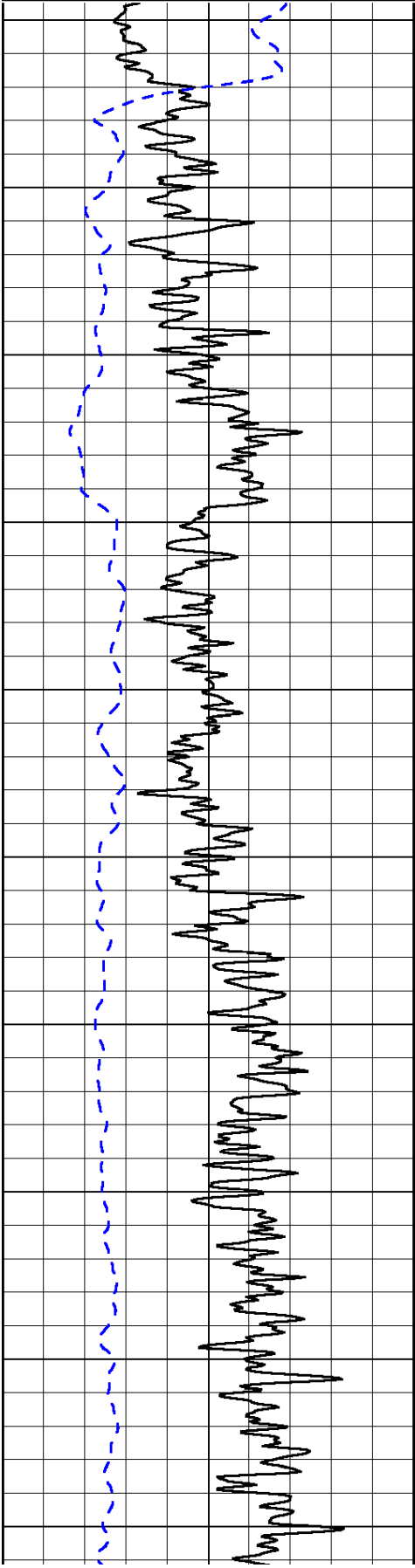
Medicine Lodge, KS:  
18S, 3/4W, S into

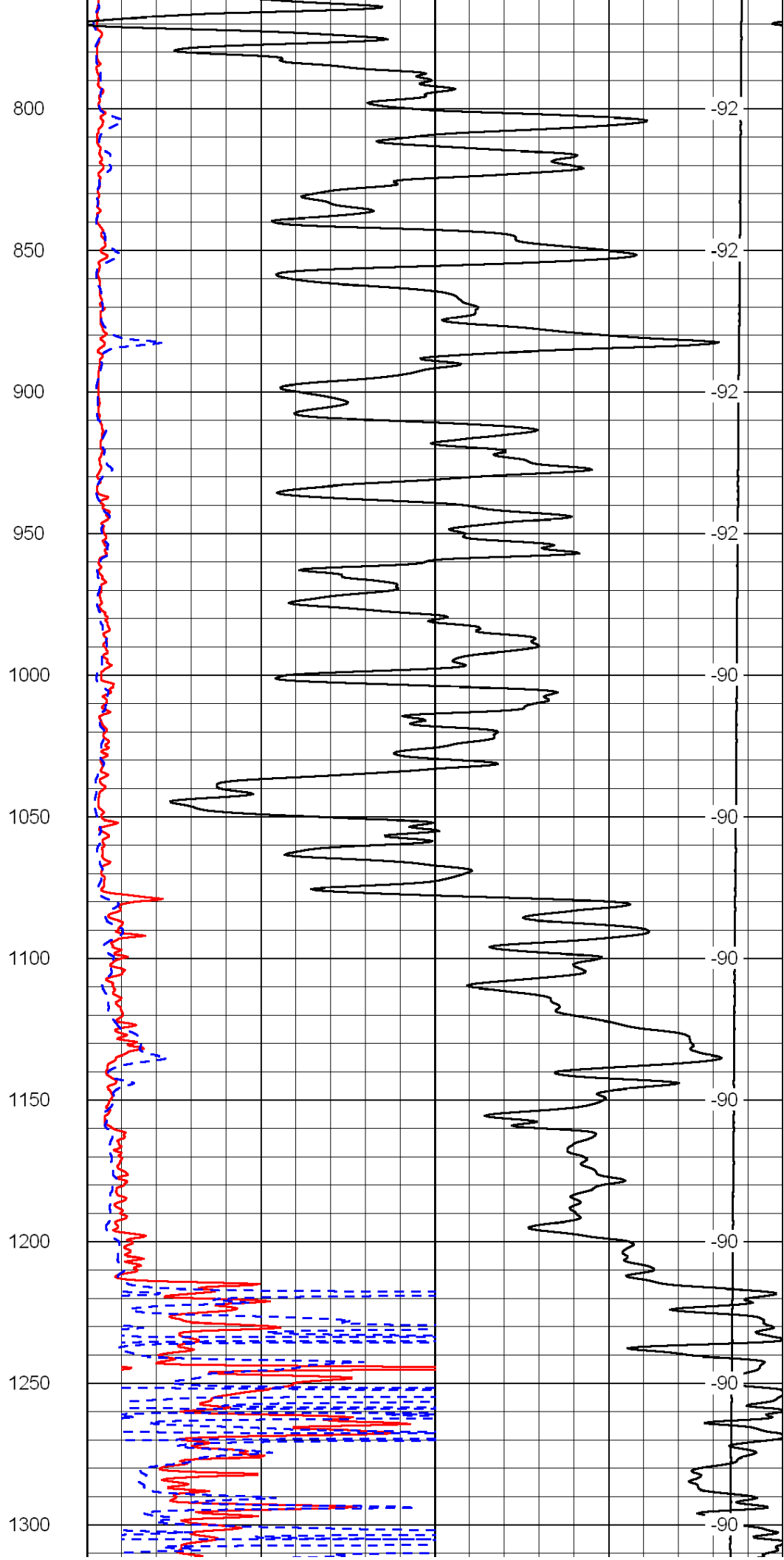
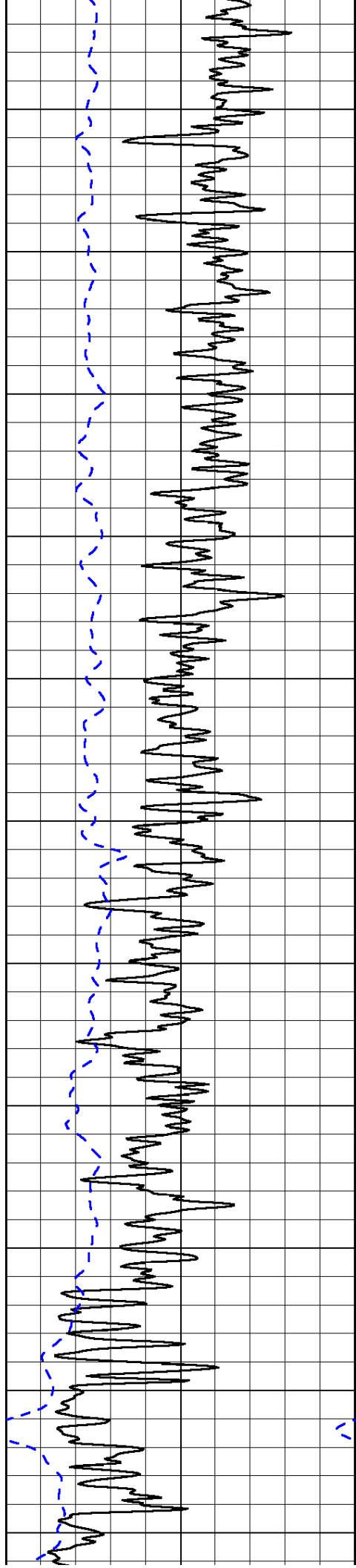
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Dataset Creation: Mon Nov 15 05:08:38 2010  
Charted by: Depth in Feet scaled 1:600

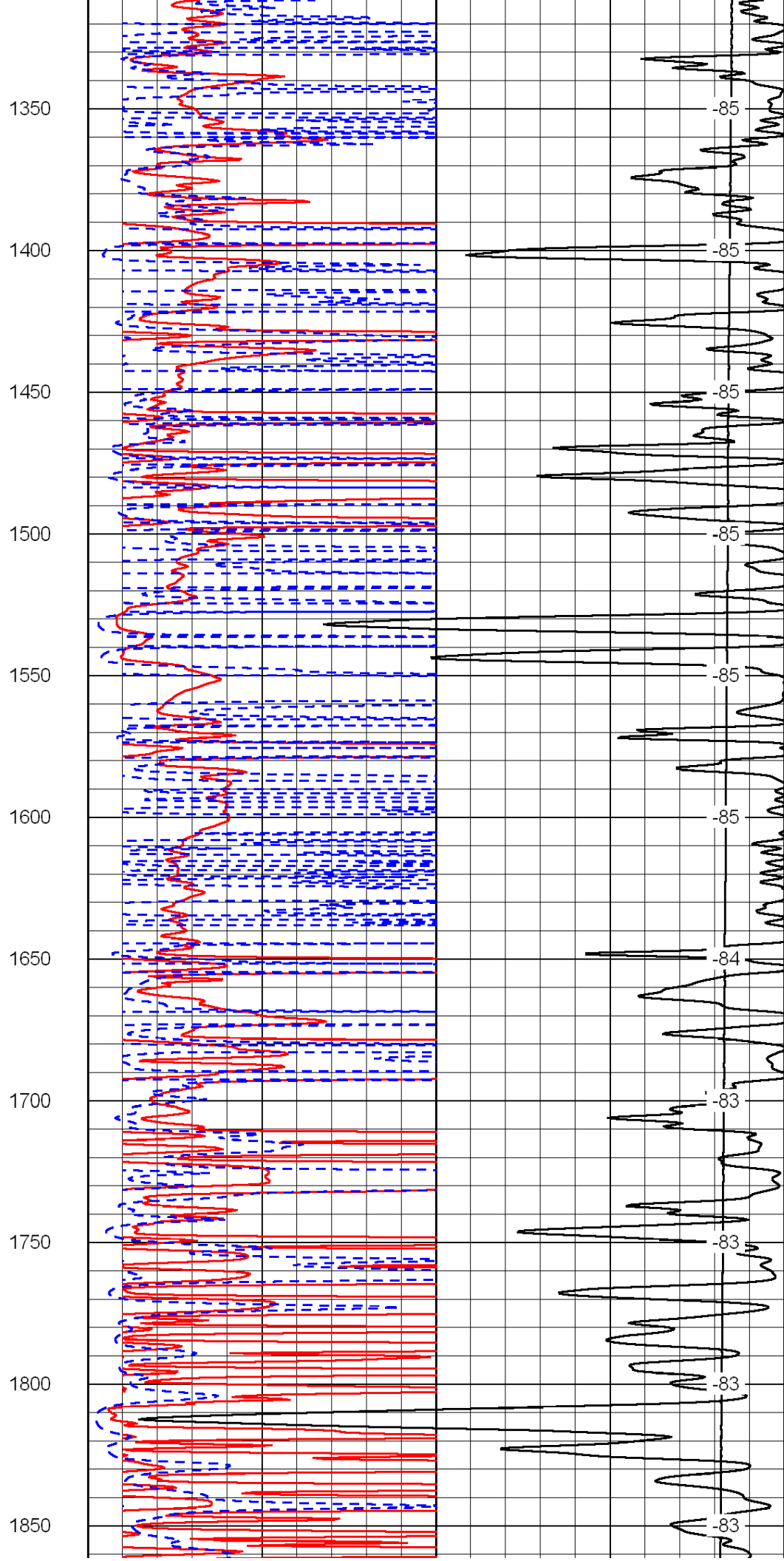
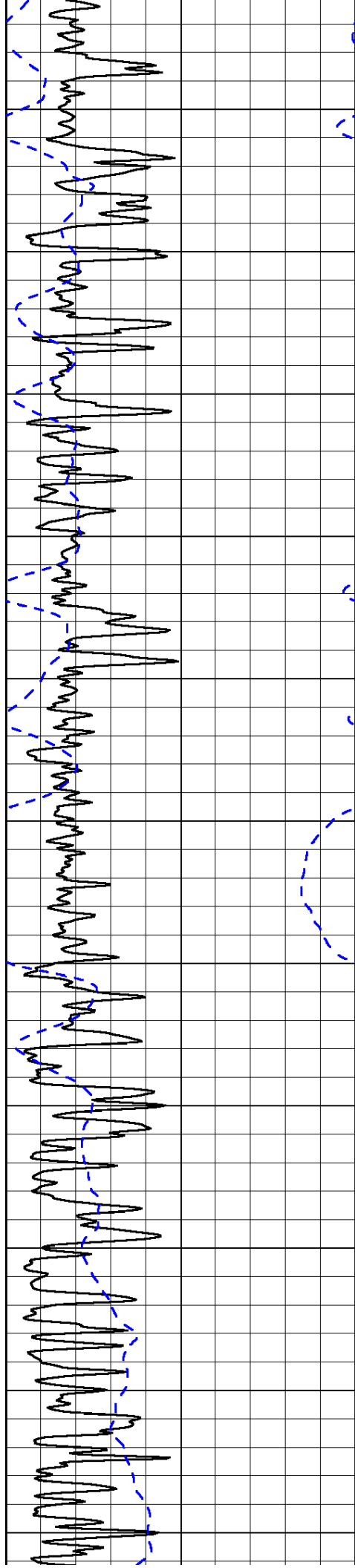
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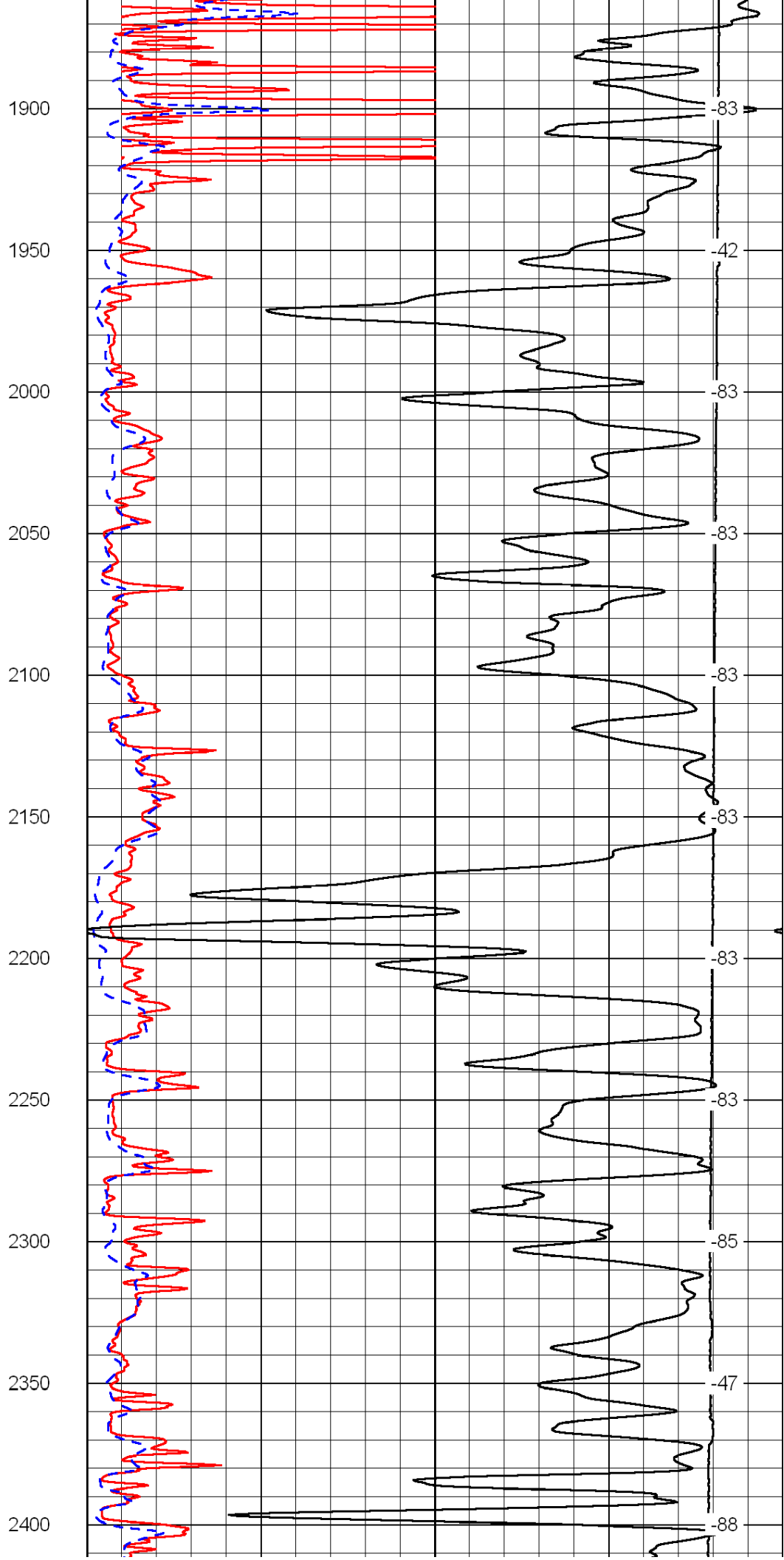
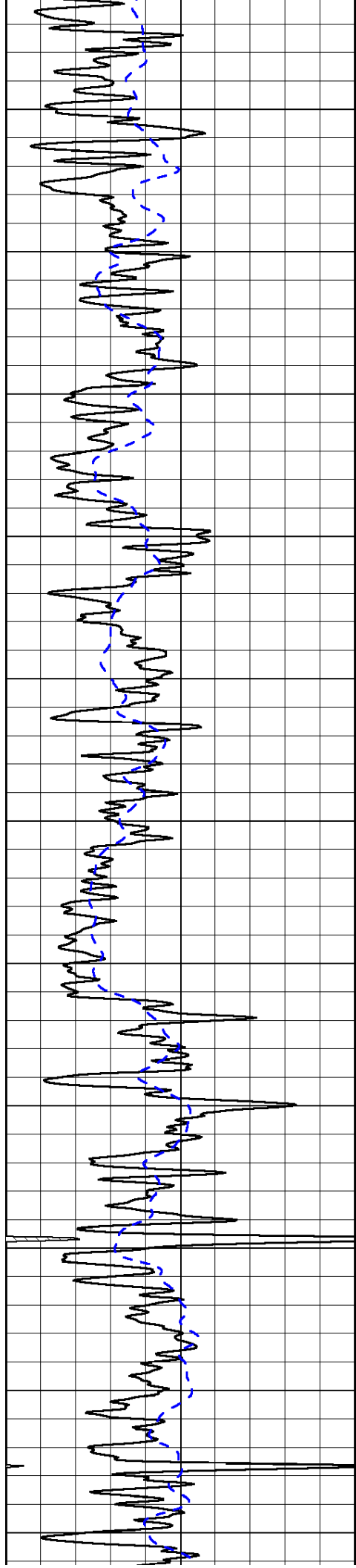
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|------|-----------|-----|
| 0    | Gamma Ray | 150 |
| -200 | SP (mV)   | 0   |

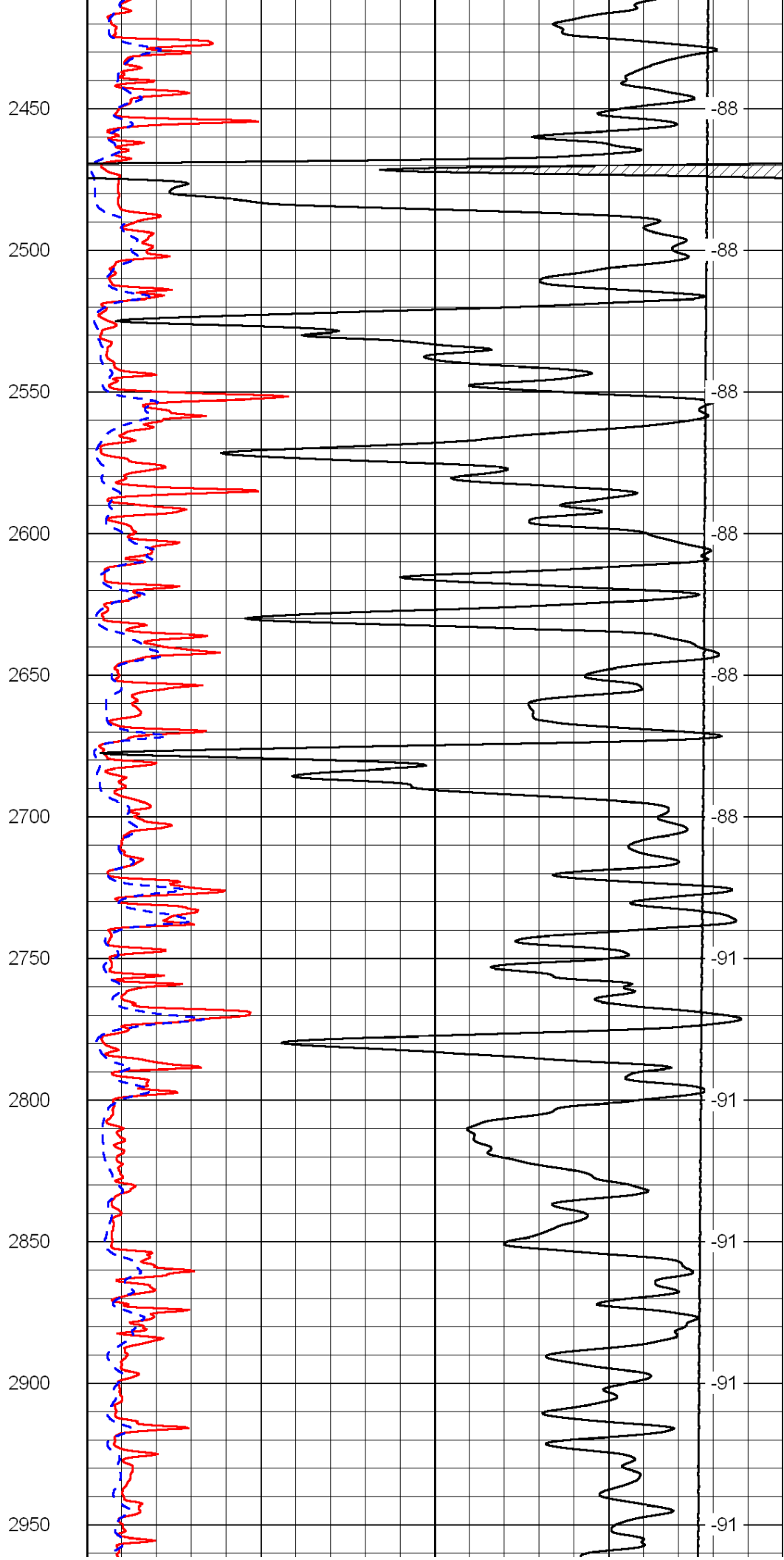
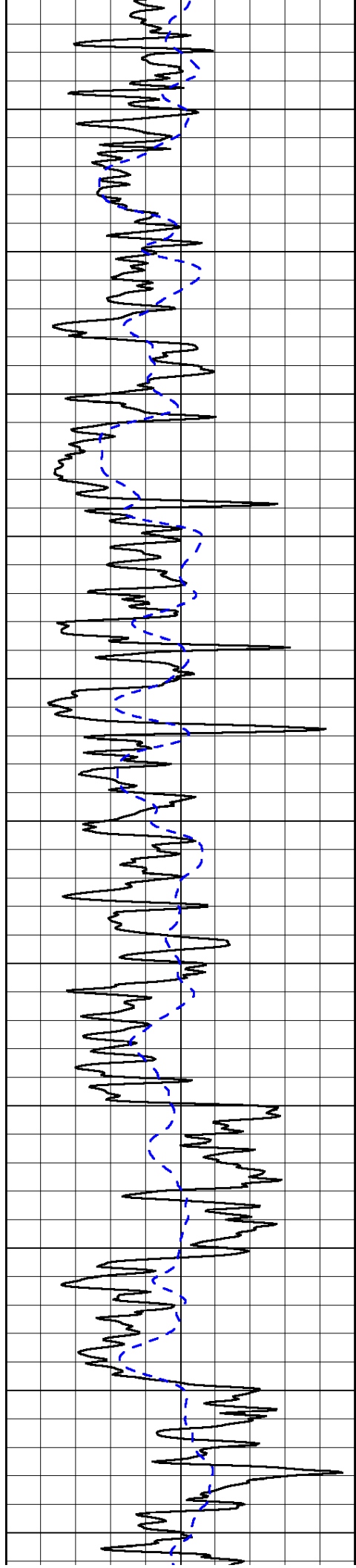
|       |                     |     |      |
|-------|---------------------|-----|------|
| 0     | Shallow Resistivity | 50  | LSPD |
| 0     | Deep Resistivity    | 50  |      |
| 1000  | Conductivity        |     | 0    |
| 15000 | Line Tension        |     | 0    |
| 50    | Shallow Resistivity | 500 |      |
| 50    | Deep Resistivity    | 500 |      |

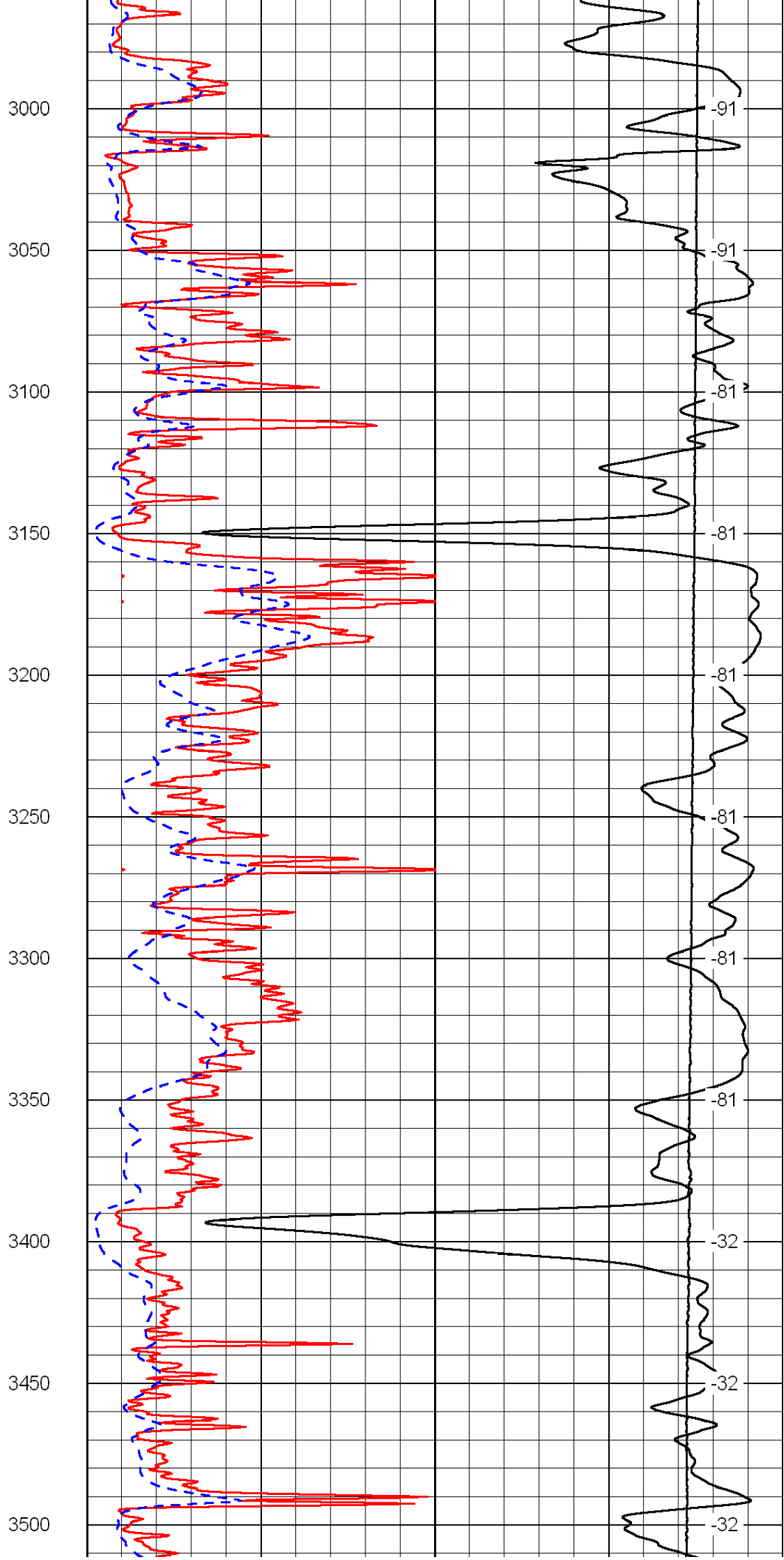
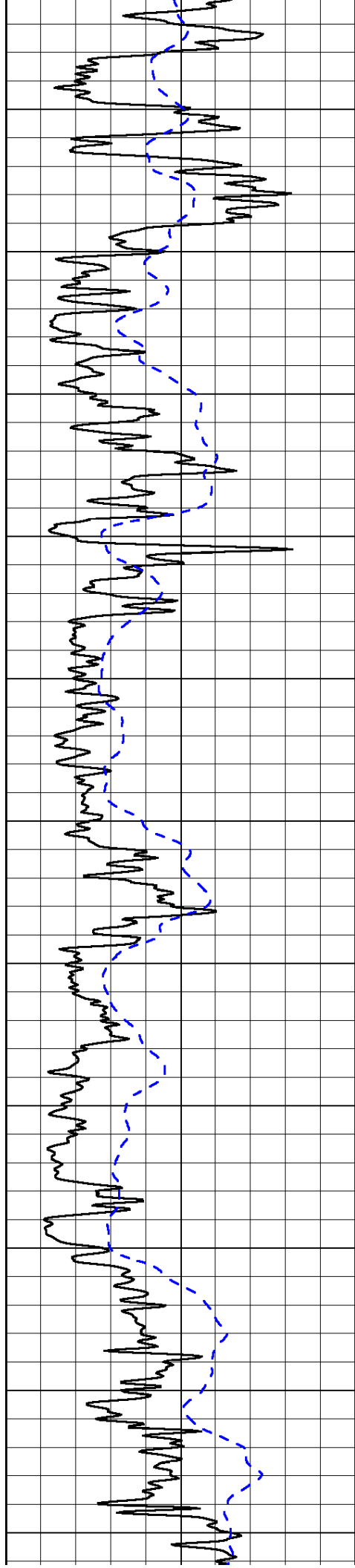


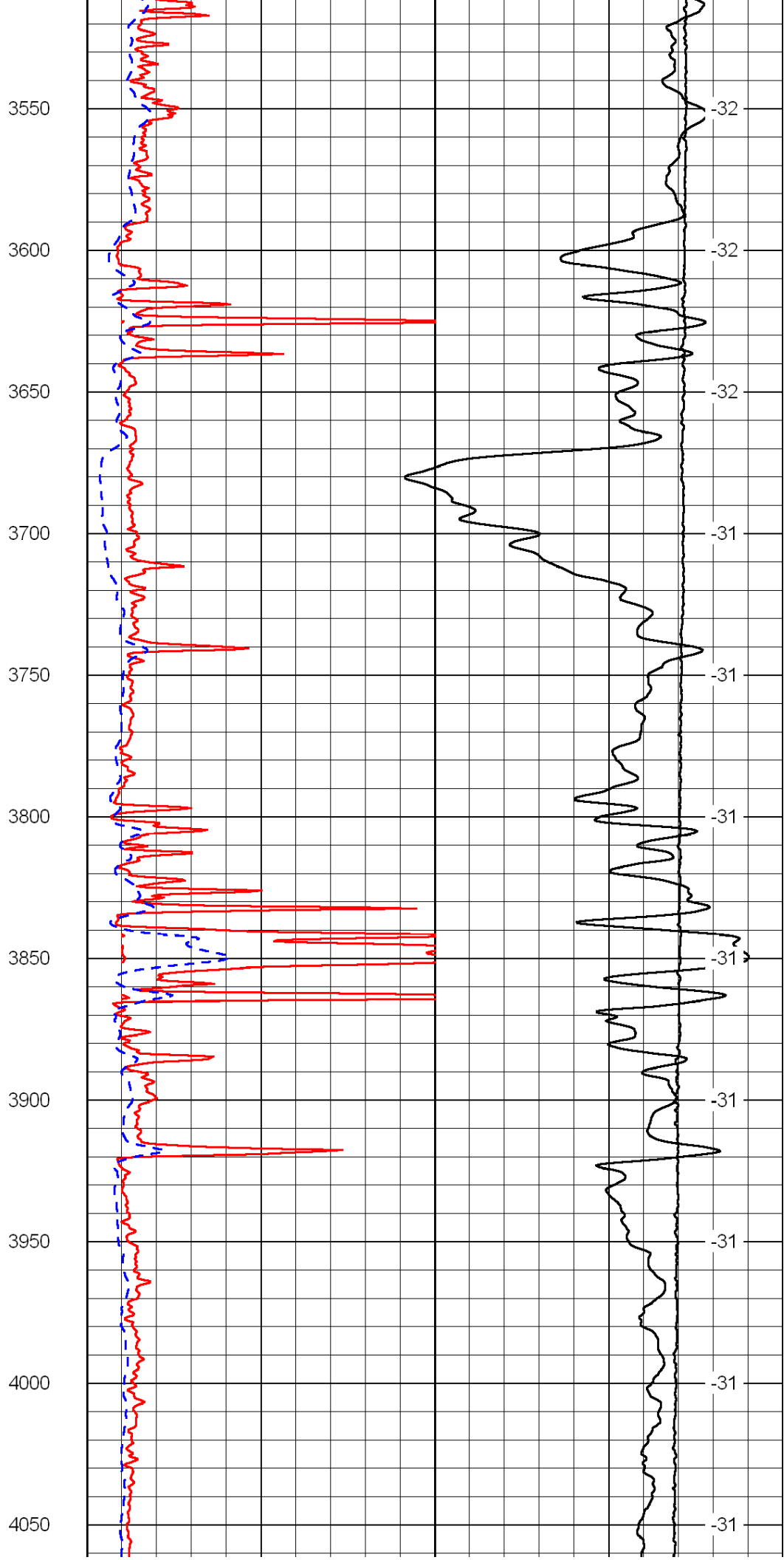
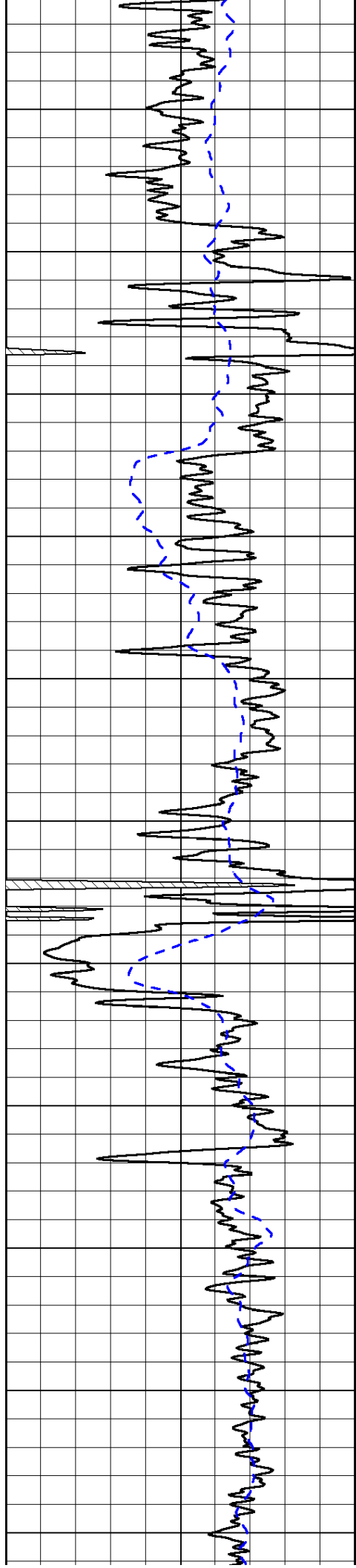




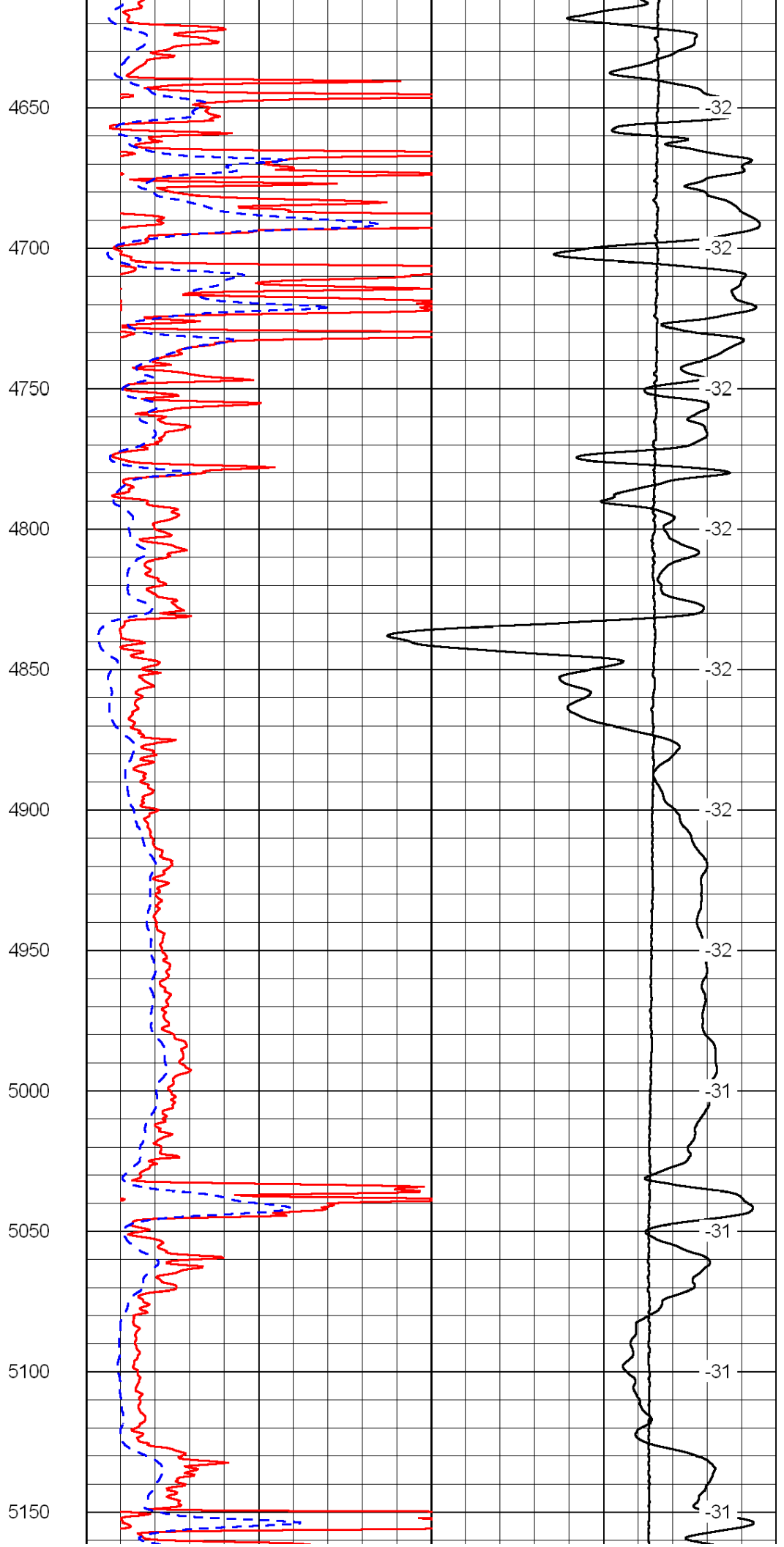
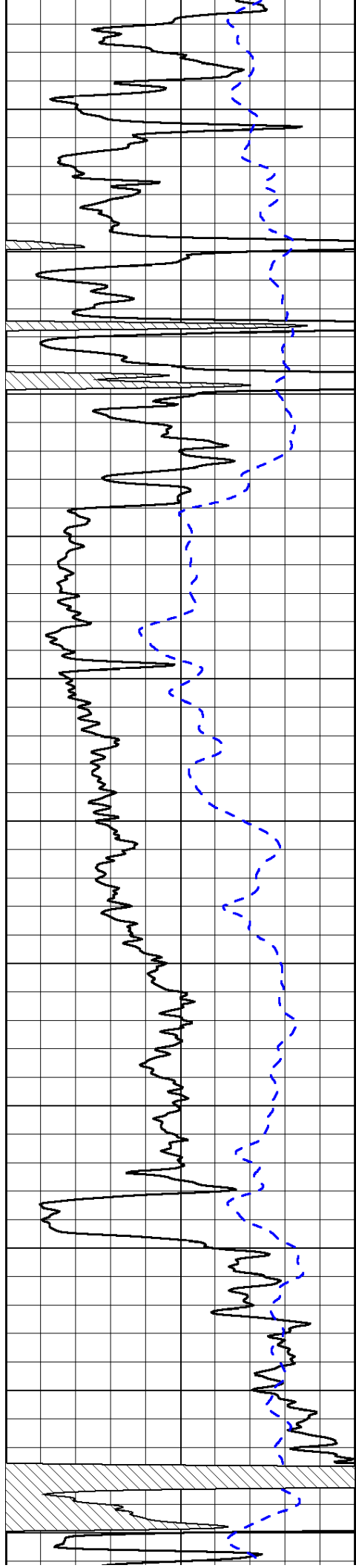


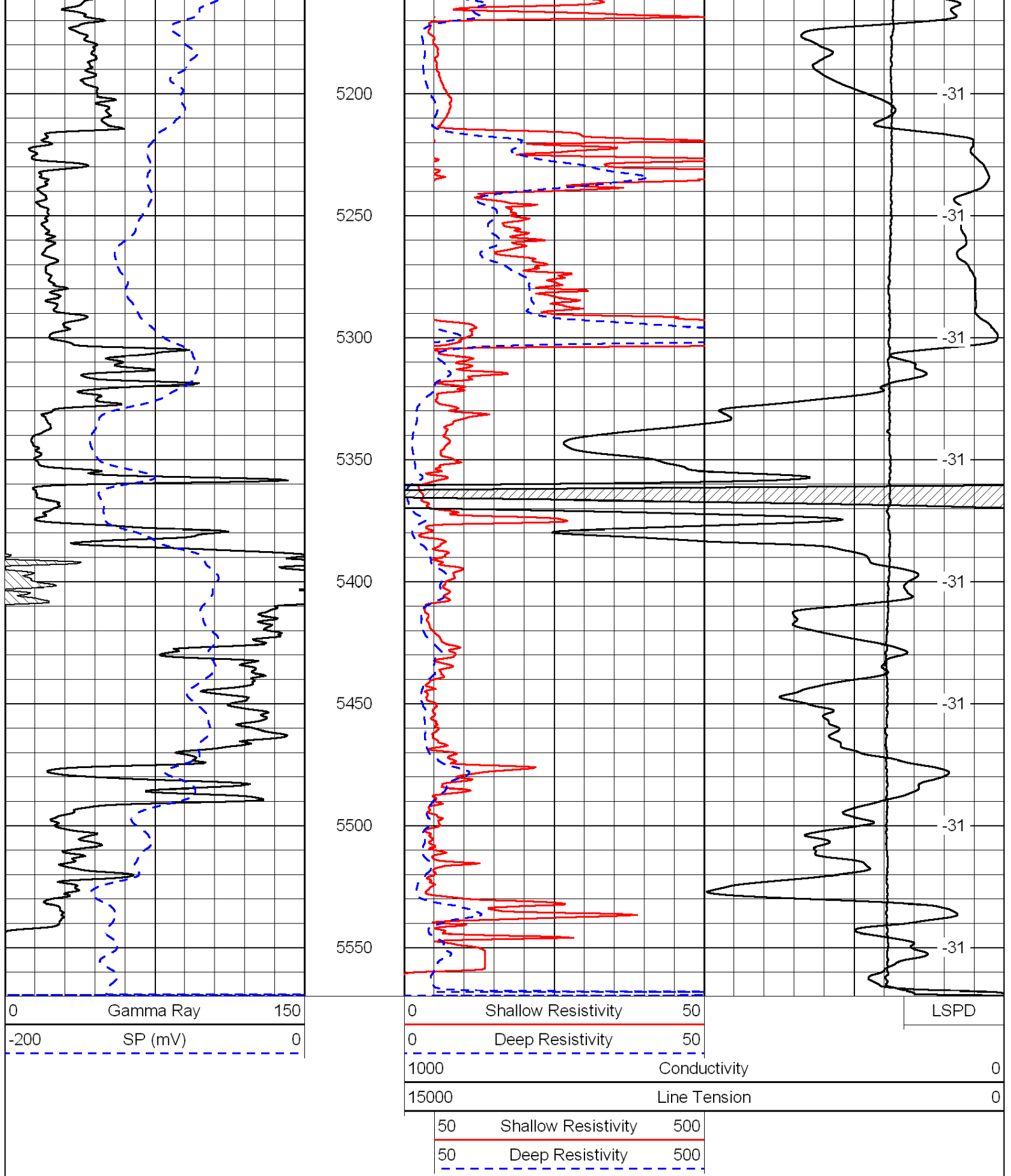










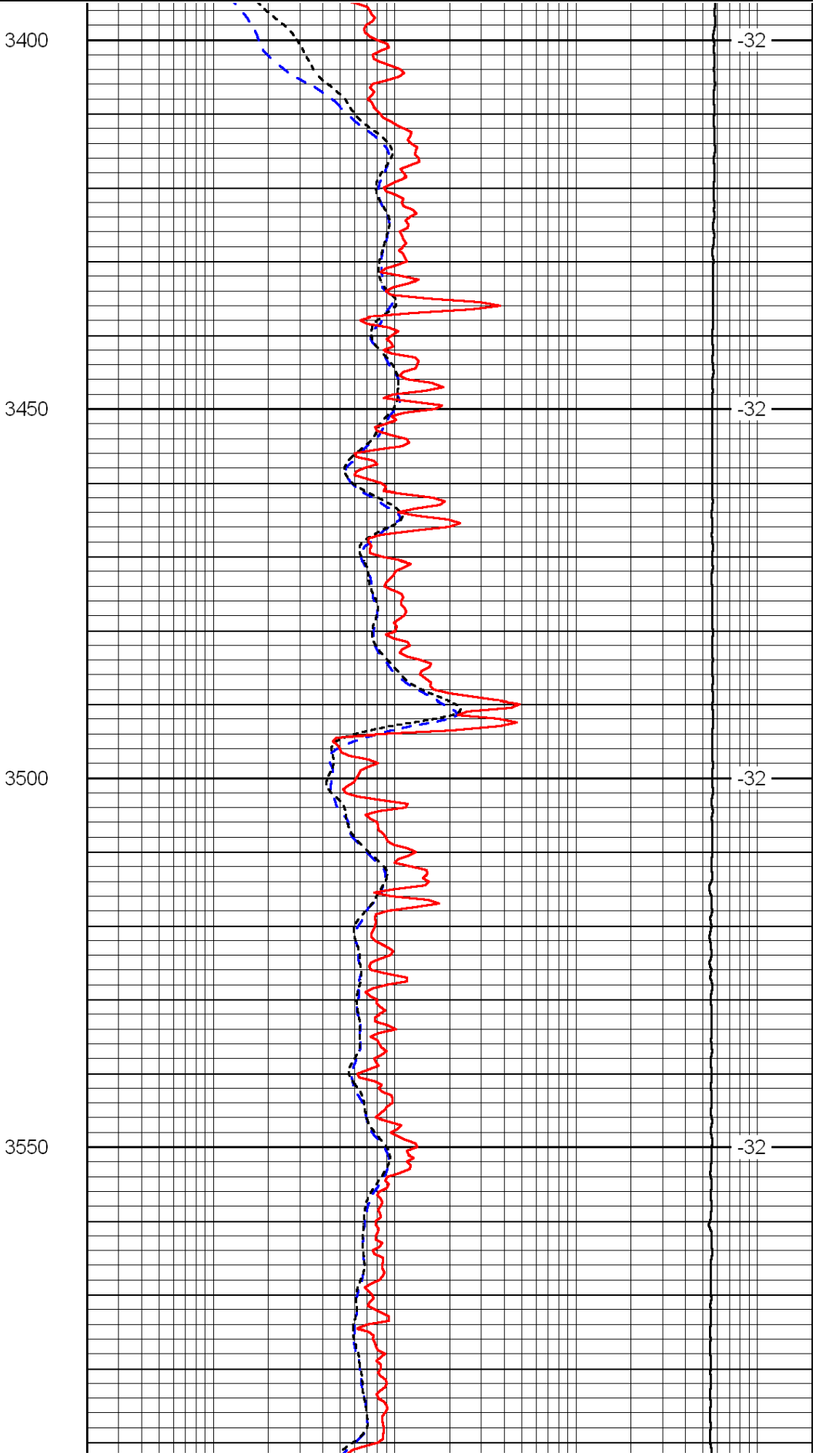
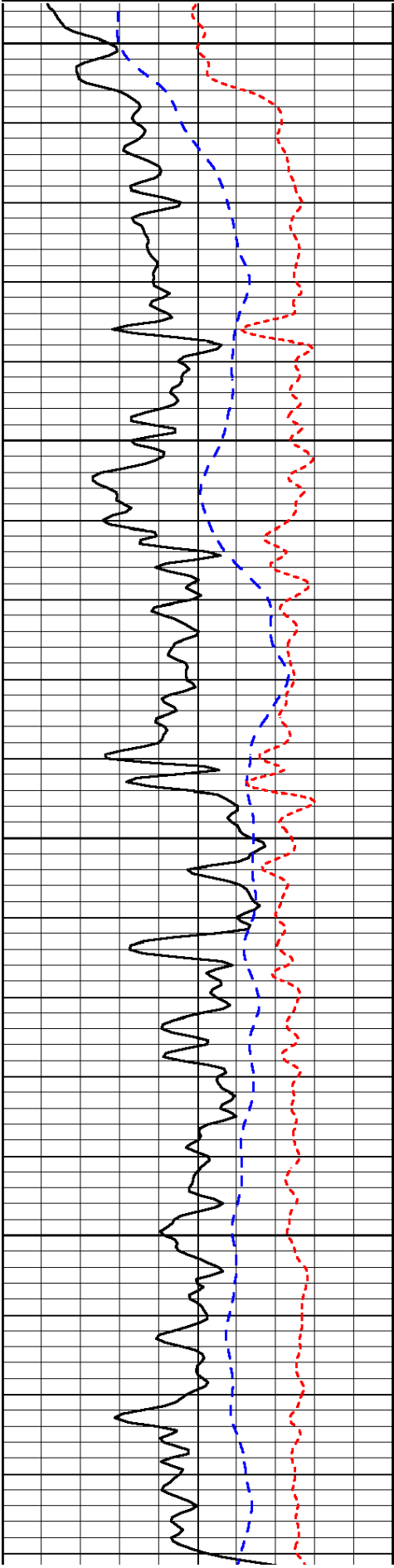


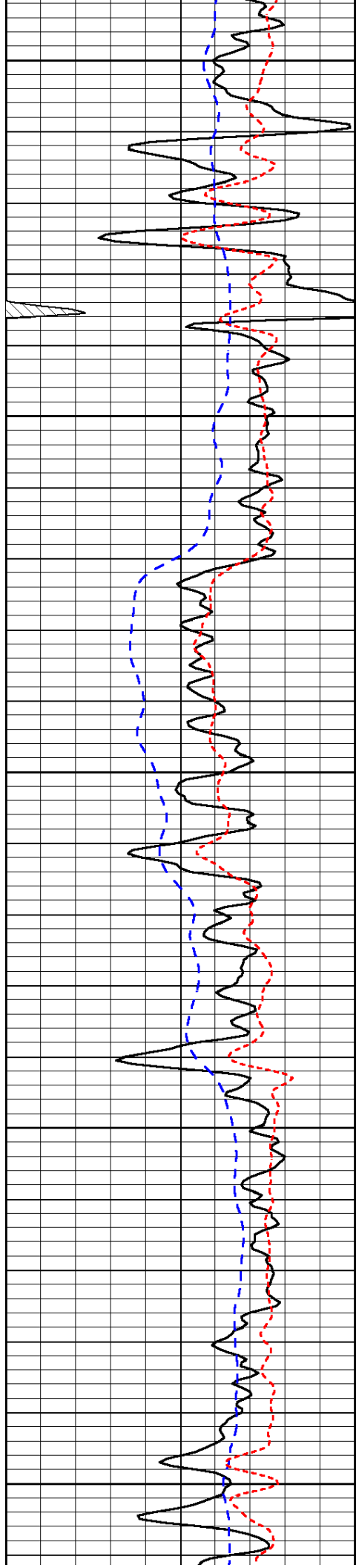
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Dataset Creation: Mon Nov 15 05:08:38 2010  
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|      |           |     |
|------|-----------|-----|
| 0    | Gamma Ray | 150 |
| -200 | SP (mV)   | 0   |
| -160 | Rxo / Rt  | 40  |

|       |                     |      |
|-------|---------------------|------|
| 0.2   | Deep Resistivity    | 2000 |
| 0.2   | Medium Resistivity  | 2000 |
| 0.2   | Shallow Resistivity | 2000 |
| 15000 | Line Tension        | 0    |

LSPD





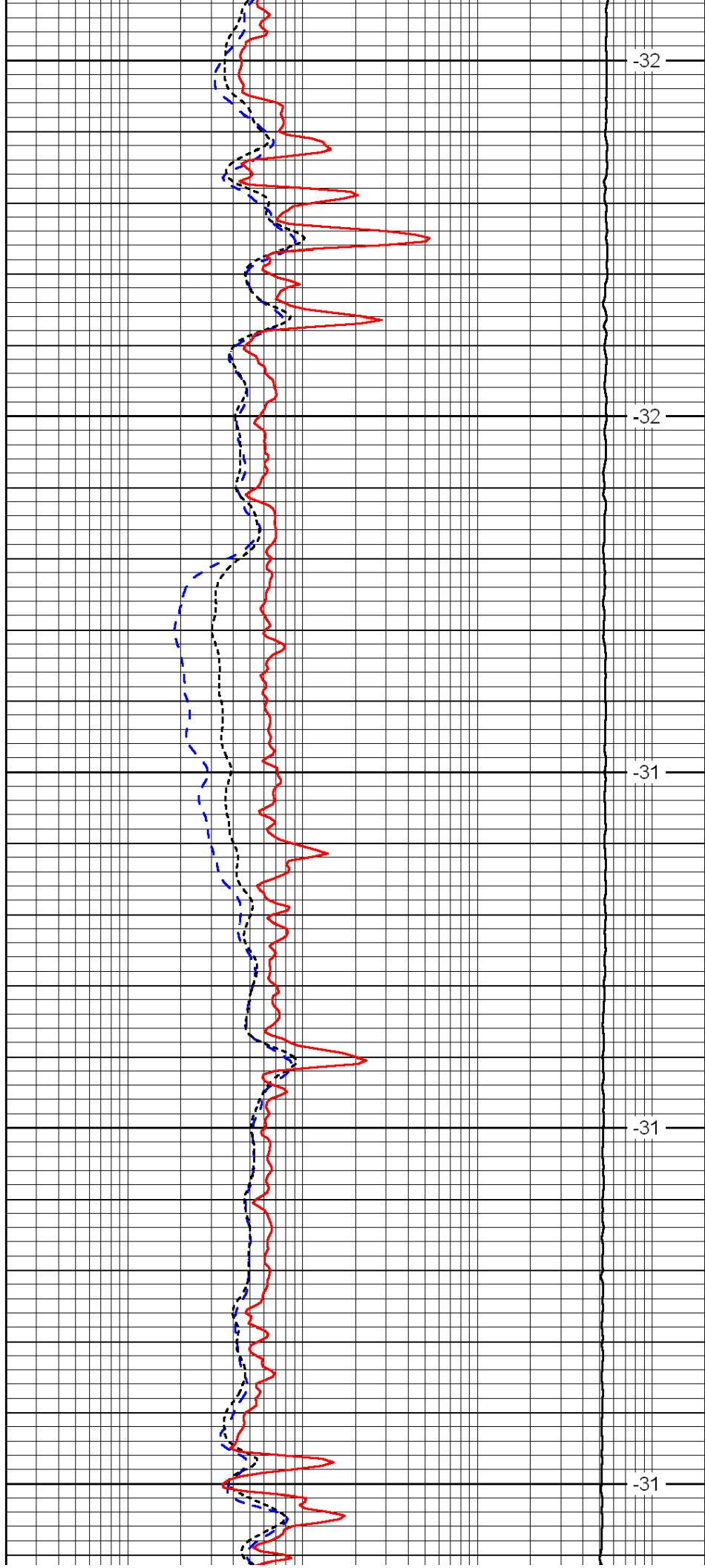
3600

3650

3700

3750

3800



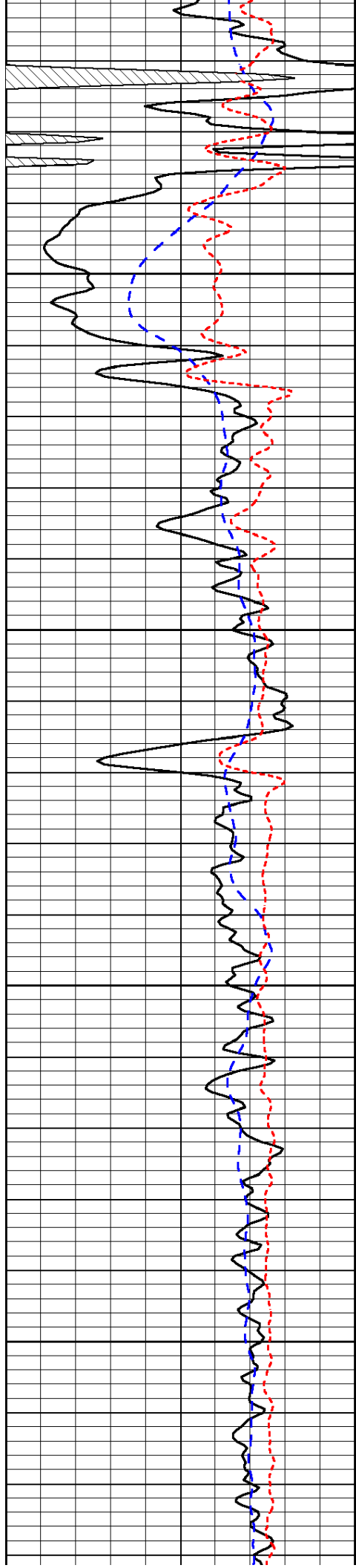
-32

-32

-31

-31

-31

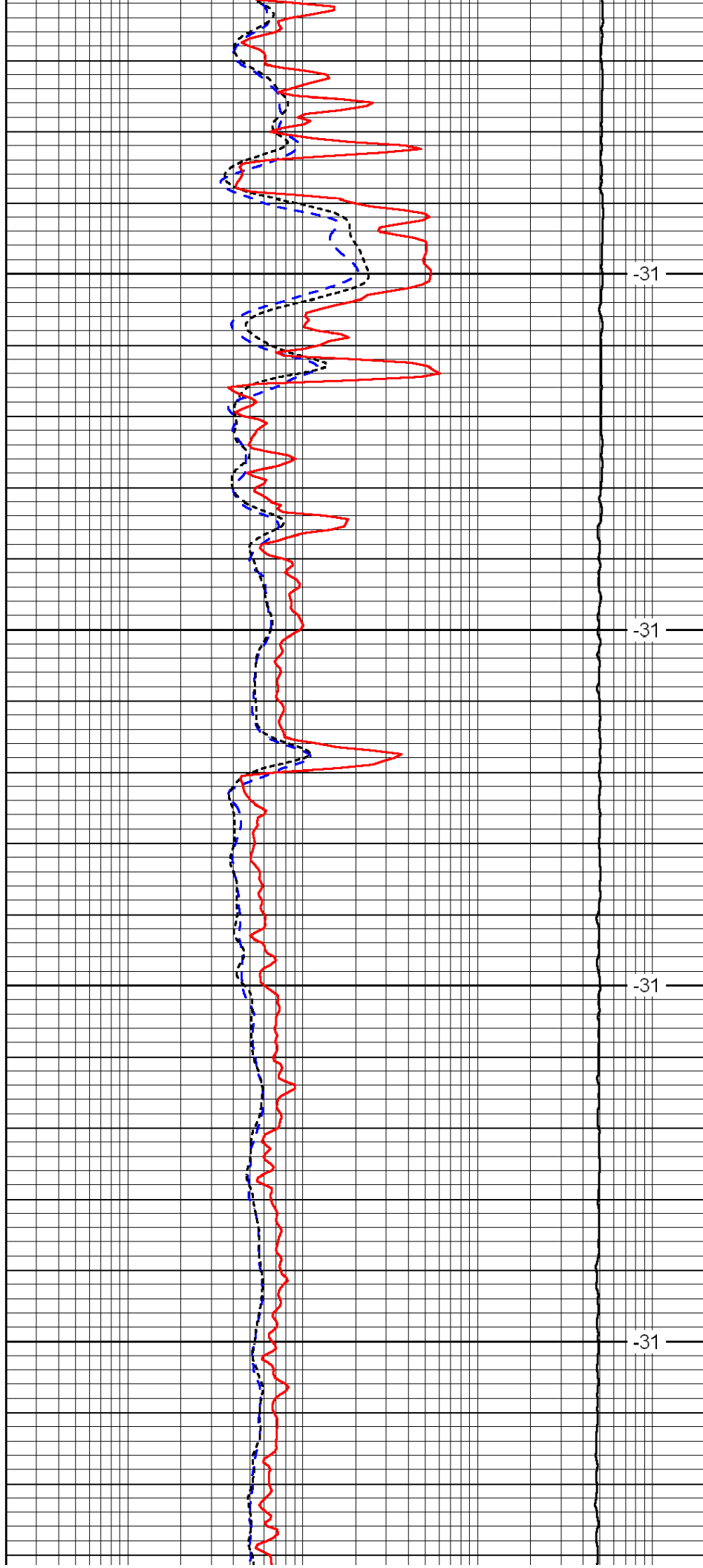


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3900

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4000

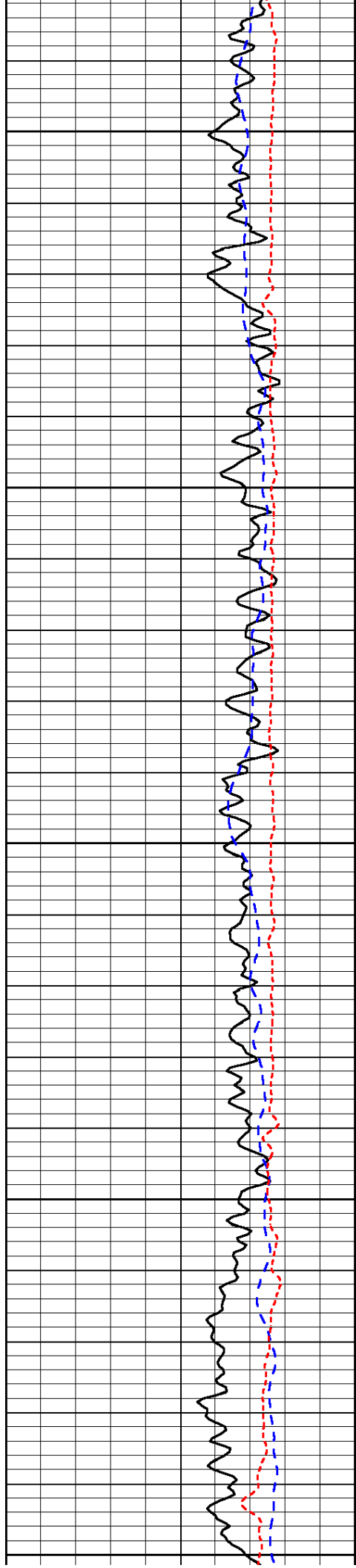


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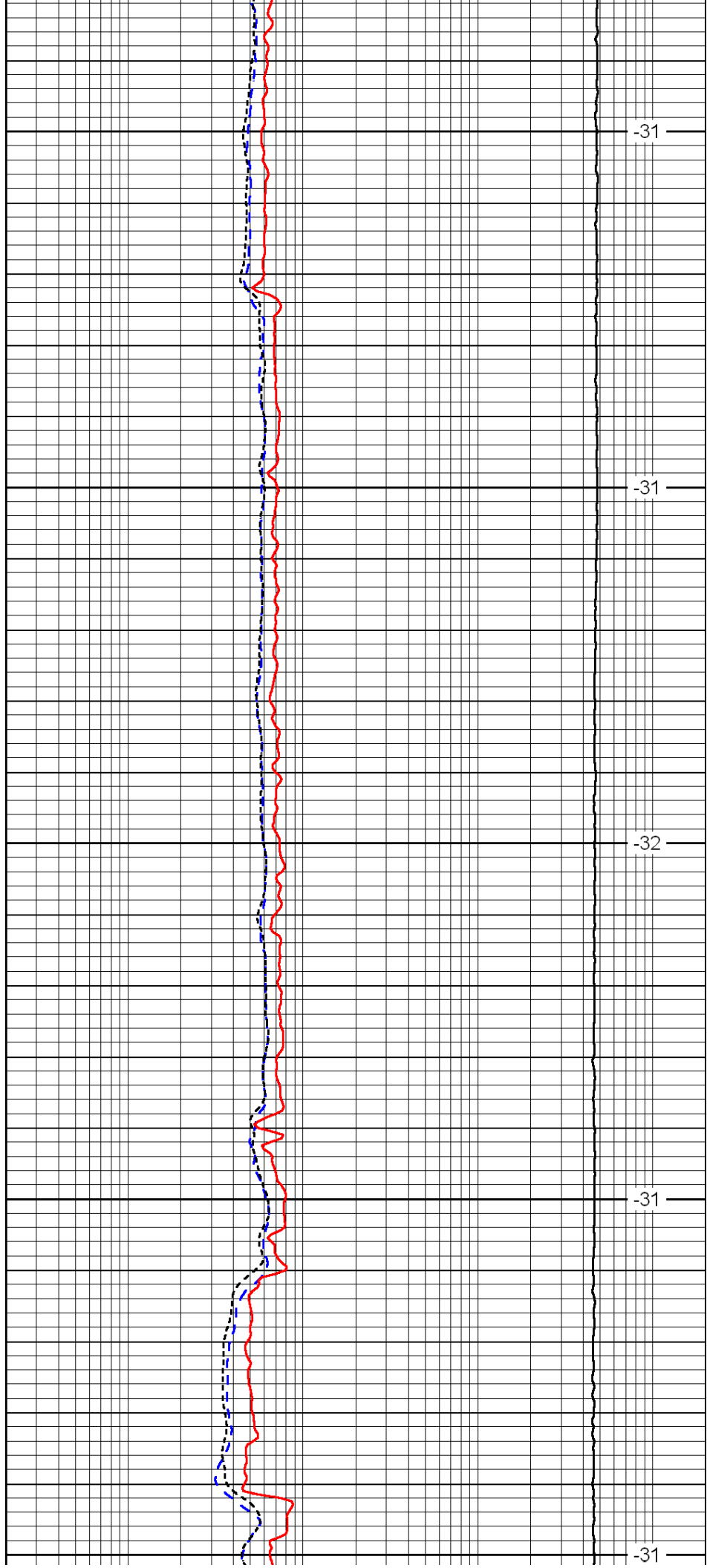
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4100

4150

4200

4250



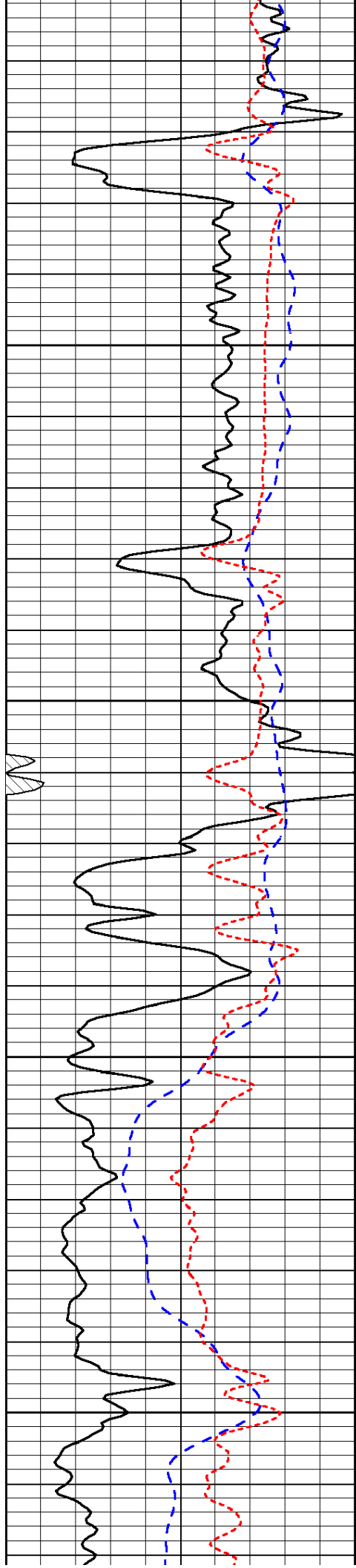
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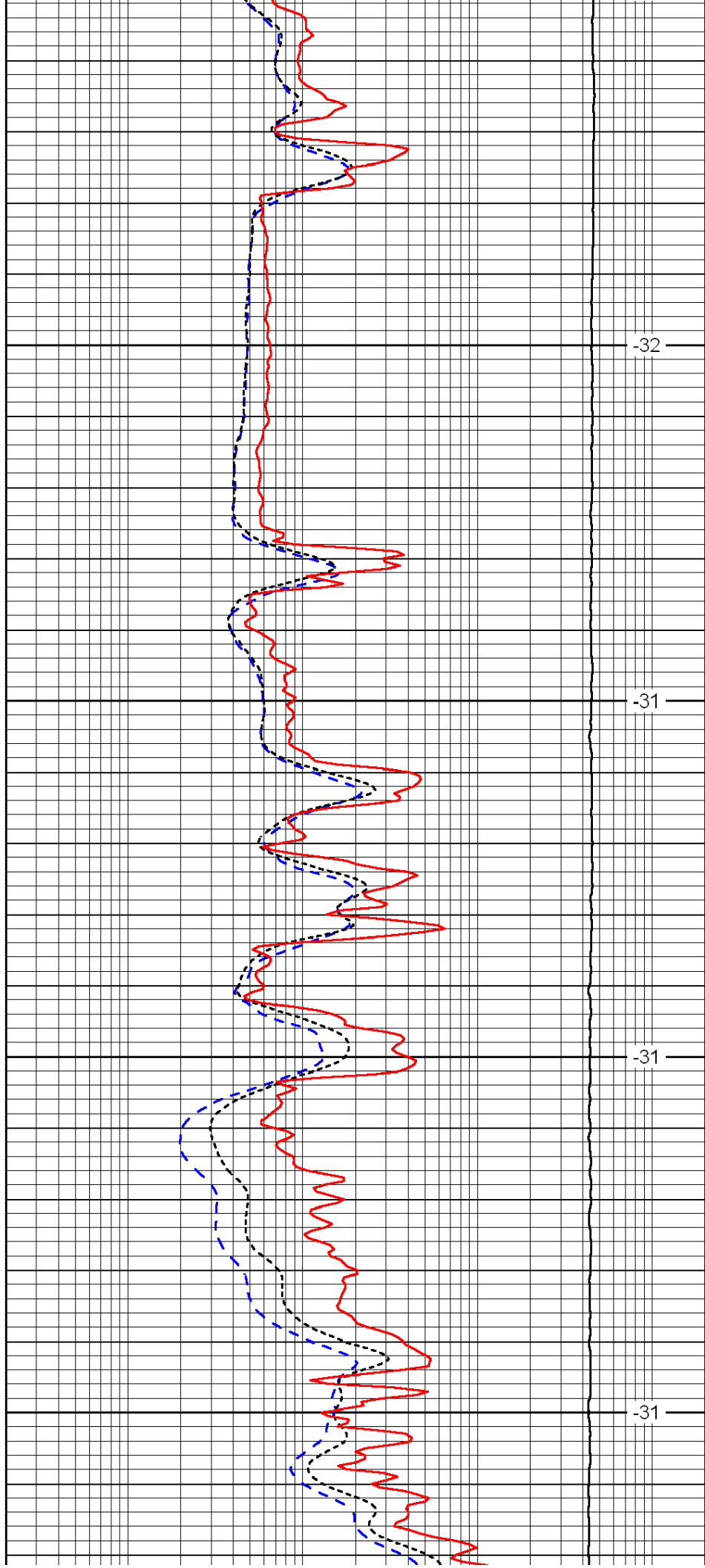


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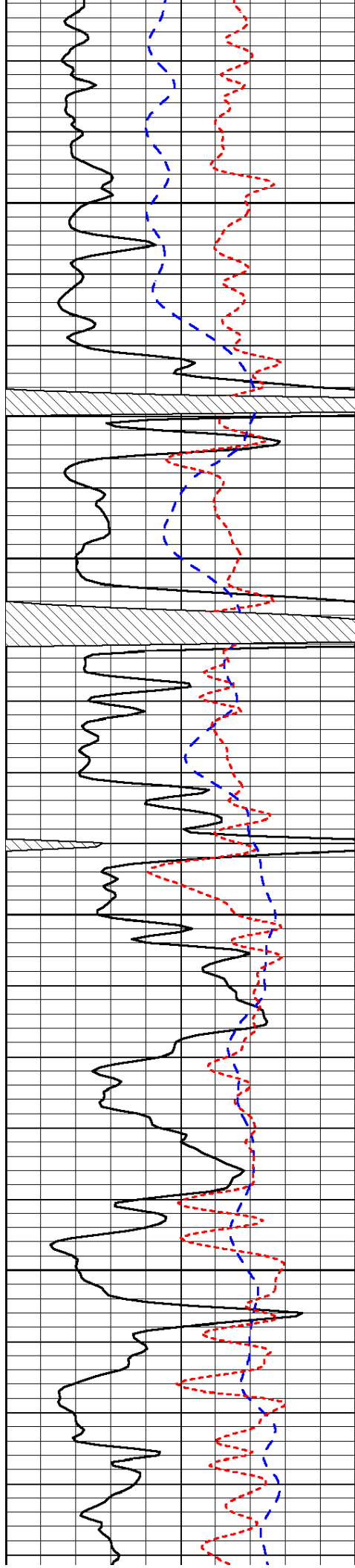


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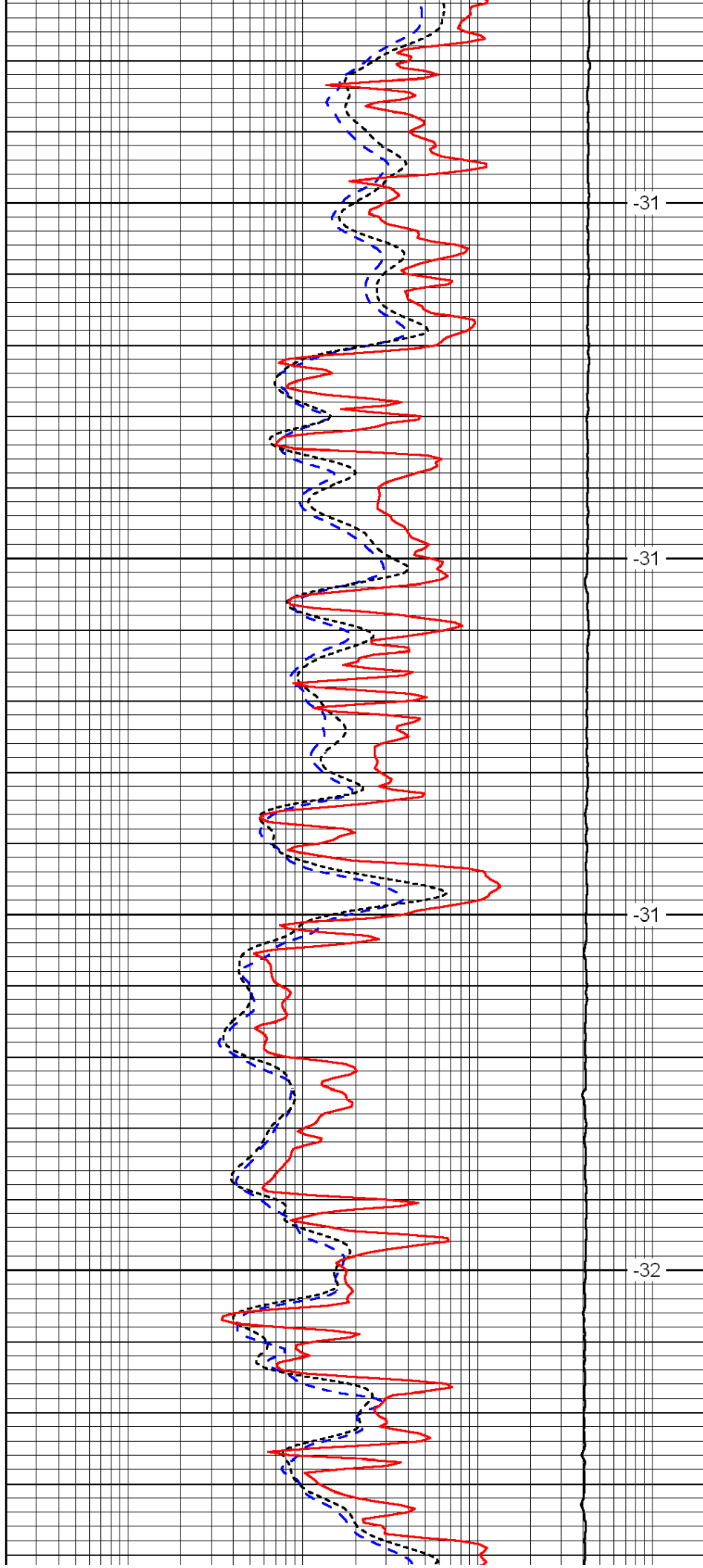


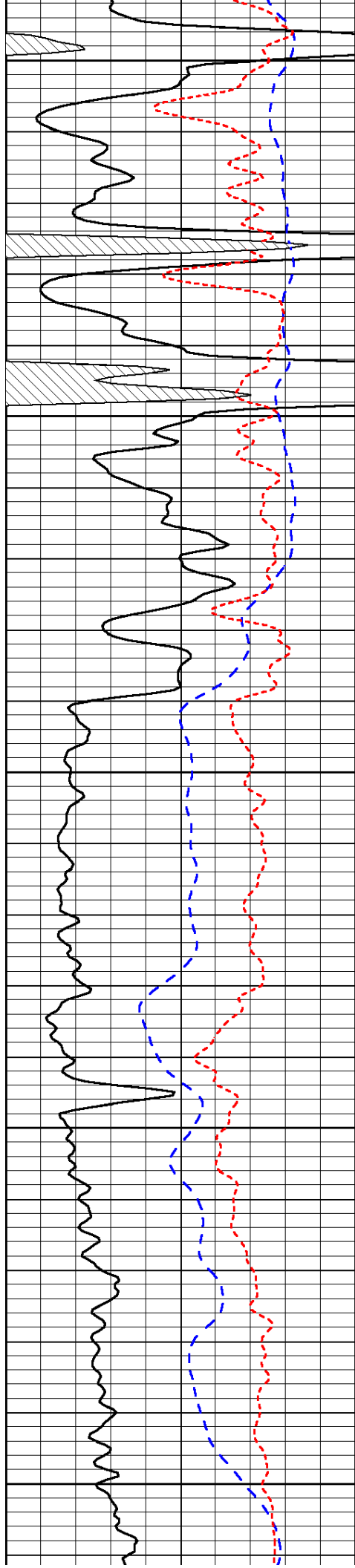
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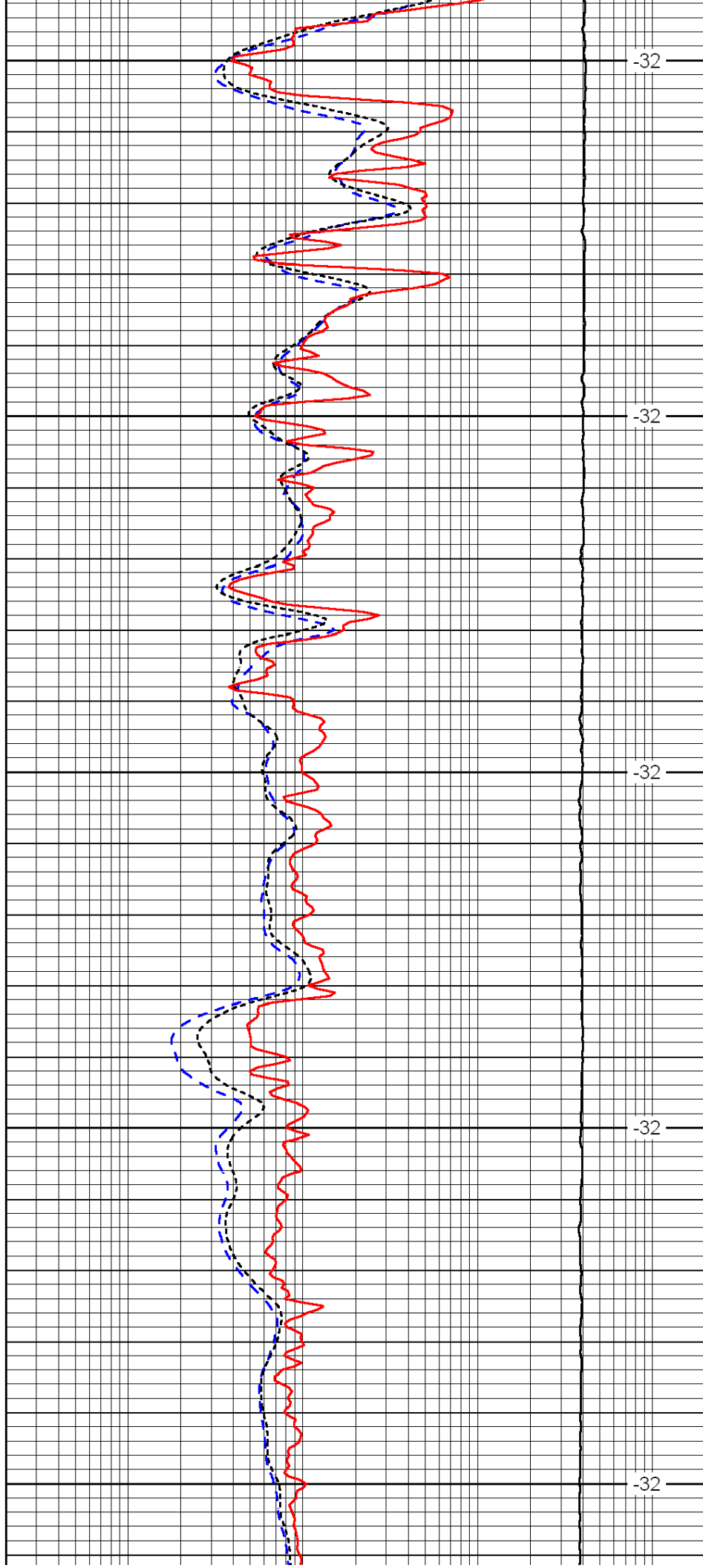
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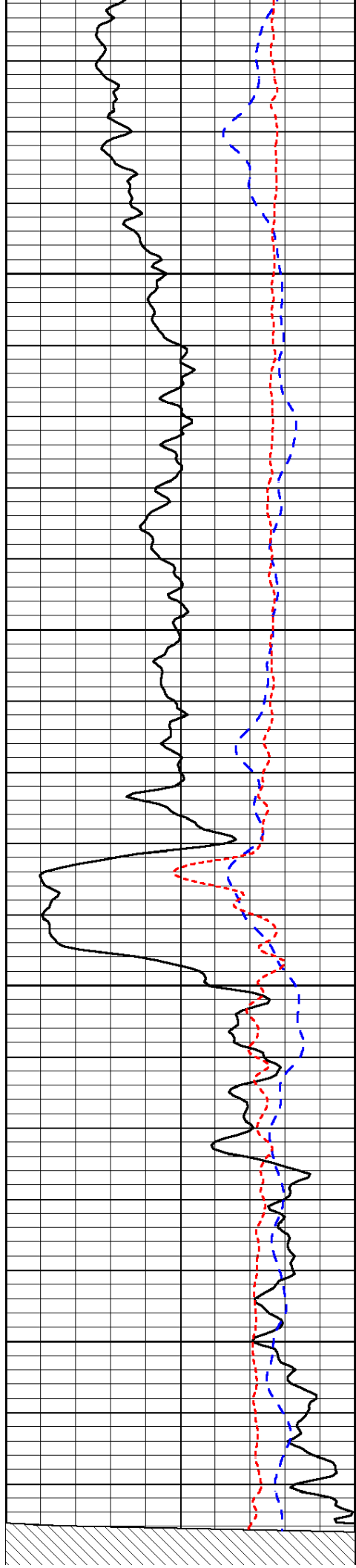
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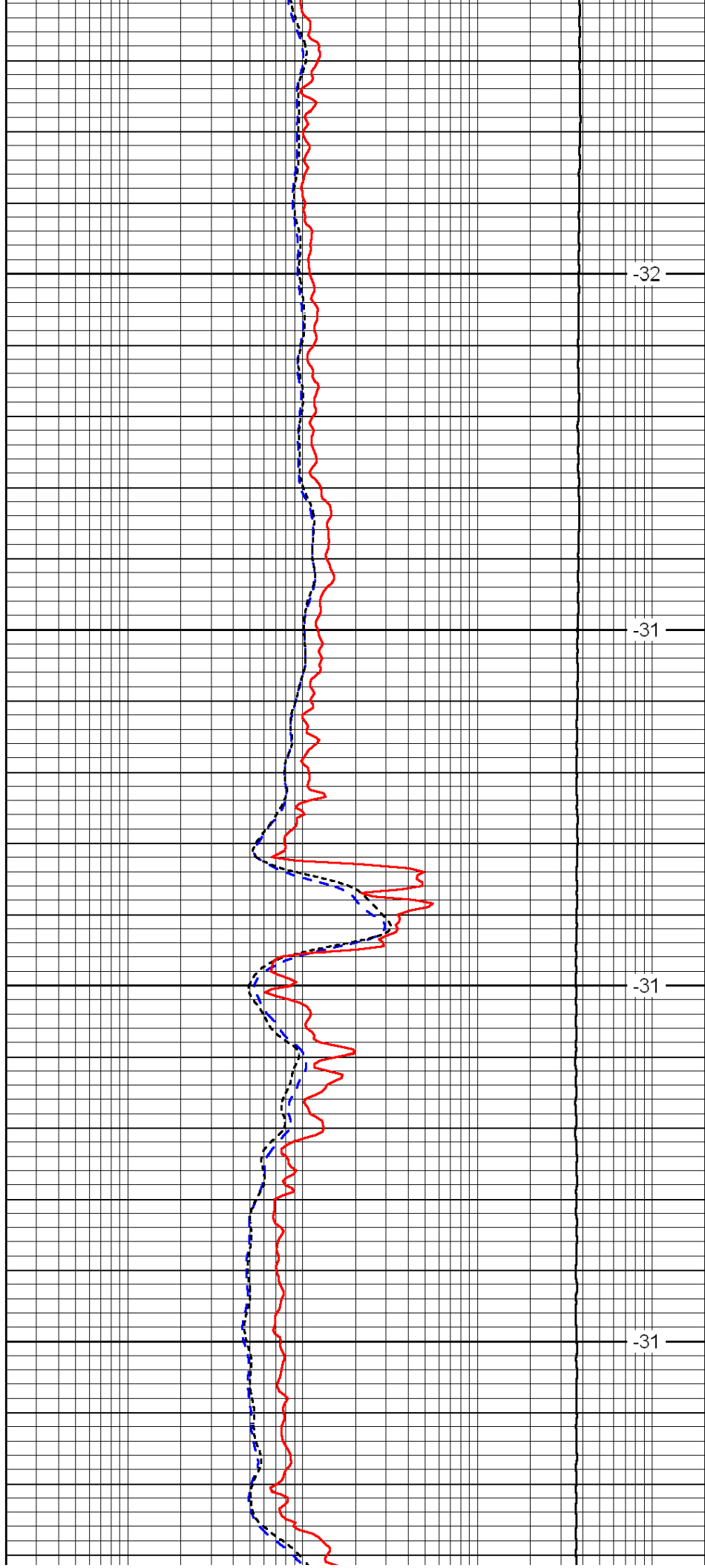


4950

5000

5050

5100

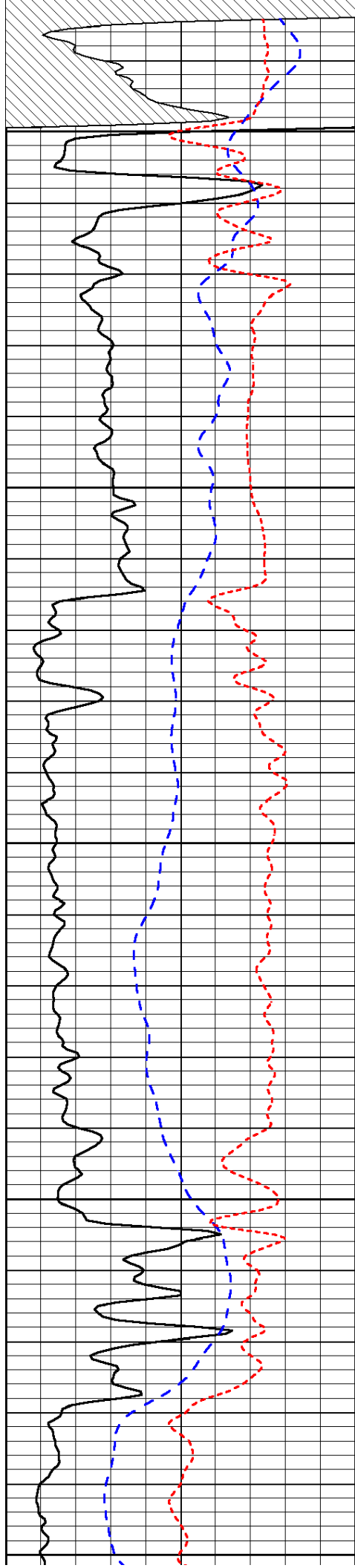


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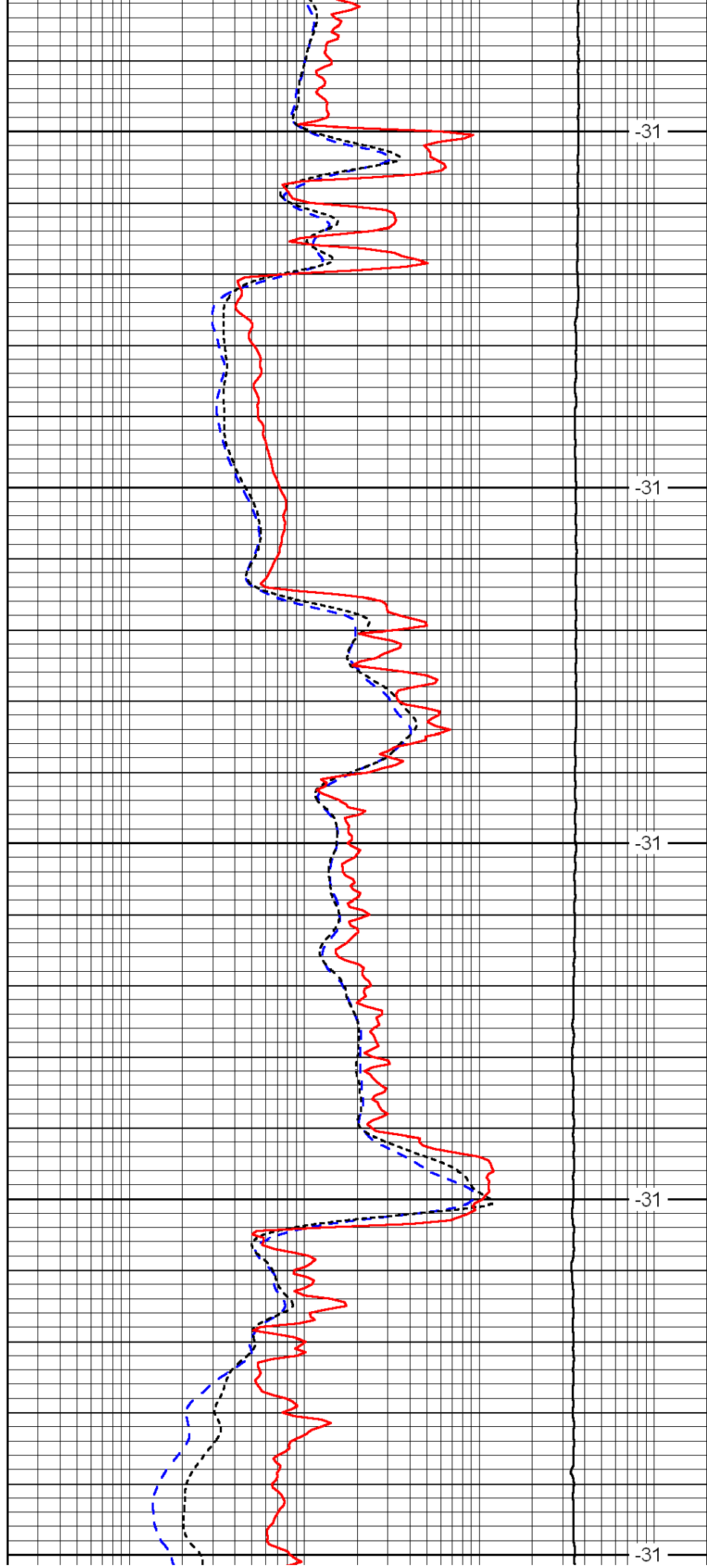
5150

5200

5250

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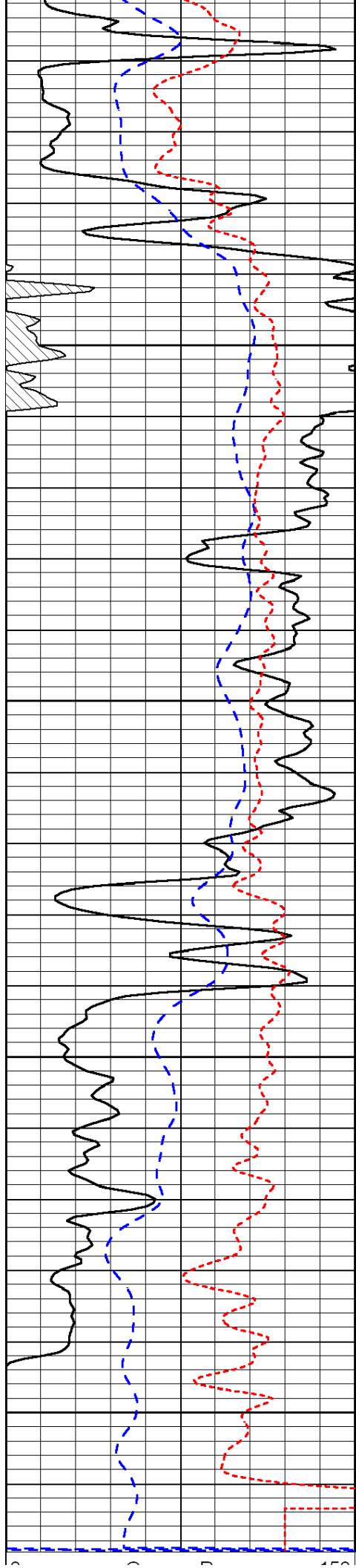
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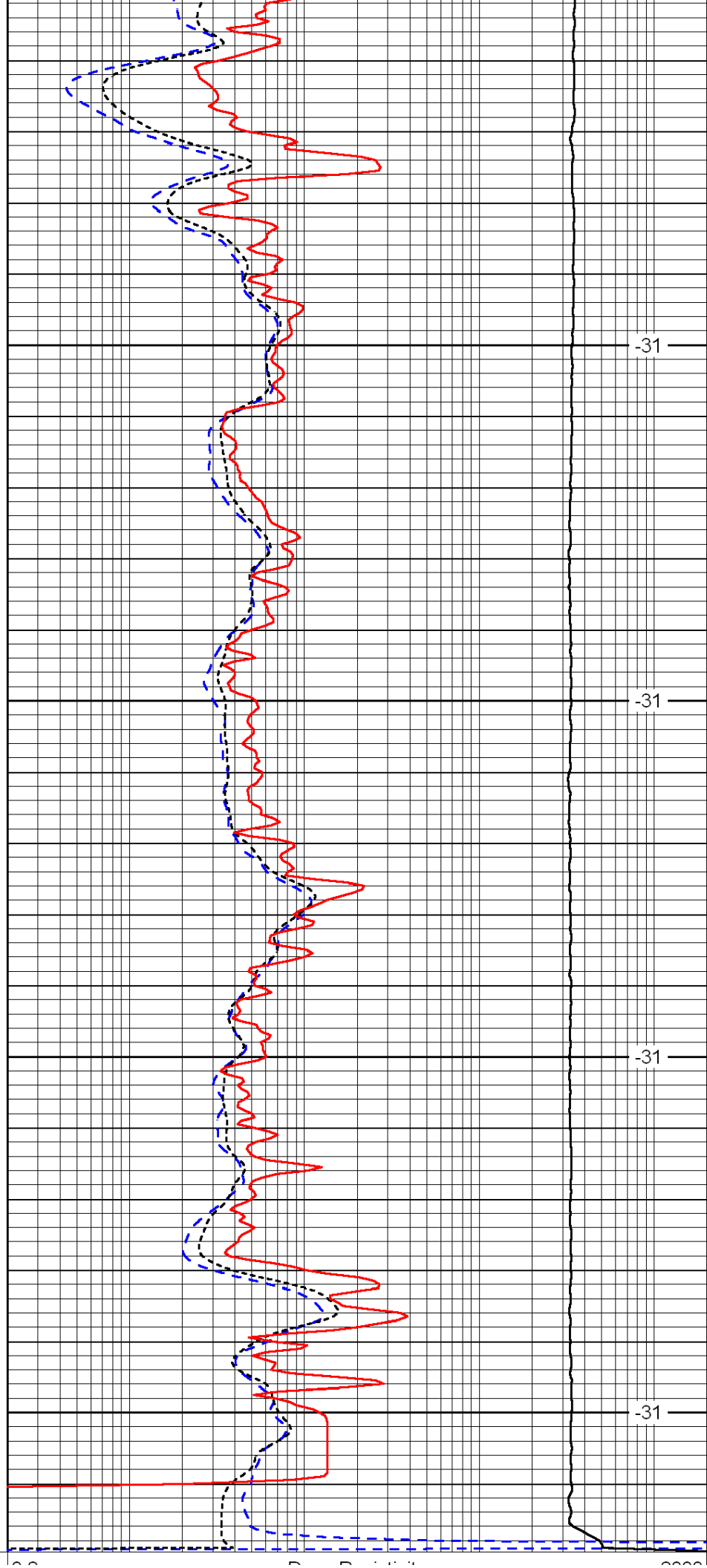


5400

5450

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5550



-31

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-31

-31

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|       |                     | LSPD |