



## Dual Induction Log

DIGITAL LOG (785) 625-3858

|                        |              |                       |  |                                     |  |
|------------------------|--------------|-----------------------|--|-------------------------------------|--|
| API No.                |              | Company               |  | Roberts Resources                   |  |
| 15-007-23,743-00-00    |              | Well                  |  | Bible-Hoss No. 1-11                 |  |
|                        |              | Field                 |  | Wildcat                             |  |
|                        |              | County                |  | Barber                              |  |
|                        |              | State                 |  | Kansas                              |  |
| Location               |              | 2580' FDL & 1030' FEL |  | Other Services<br>CNL/CDL<br>MEL    |  |
| Sec: 11                |              | Twp: 30 S             |  | Rge: 15 W                           |  |
| Permanent Datum        |              | Ground Level          |  | Elevation 1902                      |  |
| Log Measured From      |              | Kelly Bushing         |  | 9 Ft. Above Perm. Datum             |  |
| Drilling Measured From |              | Kelly Bushing         |  | K.B. 1911<br>D.F. 1902<br>G.L. 1902 |  |
| Date                   | 8/15/2011    |                       |  |                                     |  |
| Run Number             | One          |                       |  |                                     |  |
| Depth Driller          | 4700         |                       |  |                                     |  |
| Depth Logger           | 4697         |                       |  |                                     |  |
| Bottom Logged Interval | 4696         |                       |  |                                     |  |
| Top Log Interval       | 250          |                       |  |                                     |  |
| Casing Driller         | 10.75 @ 297  |                       |  |                                     |  |
| Casing Logger          | 294          |                       |  |                                     |  |
| Bit Size               | 7.875        |                       |  |                                     |  |
| Type Fluid in Hole     | Chemical     |                       |  |                                     |  |
| Salinity, ppm CL       | 3000         |                       |  |                                     |  |
| Density / Viscosity    | 9.4 50       |                       |  |                                     |  |
| pH / Fluid Loss        | 11 8.8       |                       |  |                                     |  |
| Source of Sample       | Flowline     |                       |  |                                     |  |
| Rm @ Meas. Temp        | .50 @ 79     |                       |  |                                     |  |
| Rmf @ Meas. Temp       | .38 @ 79     |                       |  |                                     |  |
| Rmc @ Meas. Temp       | .68 @ 79     |                       |  |                                     |  |
| Source of Rmf / Rmc    | Charts       |                       |  |                                     |  |
| Rm @ BHT               | .32 @ 123    |                       |  |                                     |  |
| Operating Rig Time     | 5 Hours      |                       |  |                                     |  |
| Max Rec. Temp. F       | 123          |                       |  |                                     |  |
| Equipment Number       | 10           |                       |  |                                     |  |
| Location               | Hays         |                       |  |                                     |  |
| Recorded By            | D. Kerr      |                       |  |                                     |  |
| Witnessed By           | Kent Roberts |                       |  |                                     |  |

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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

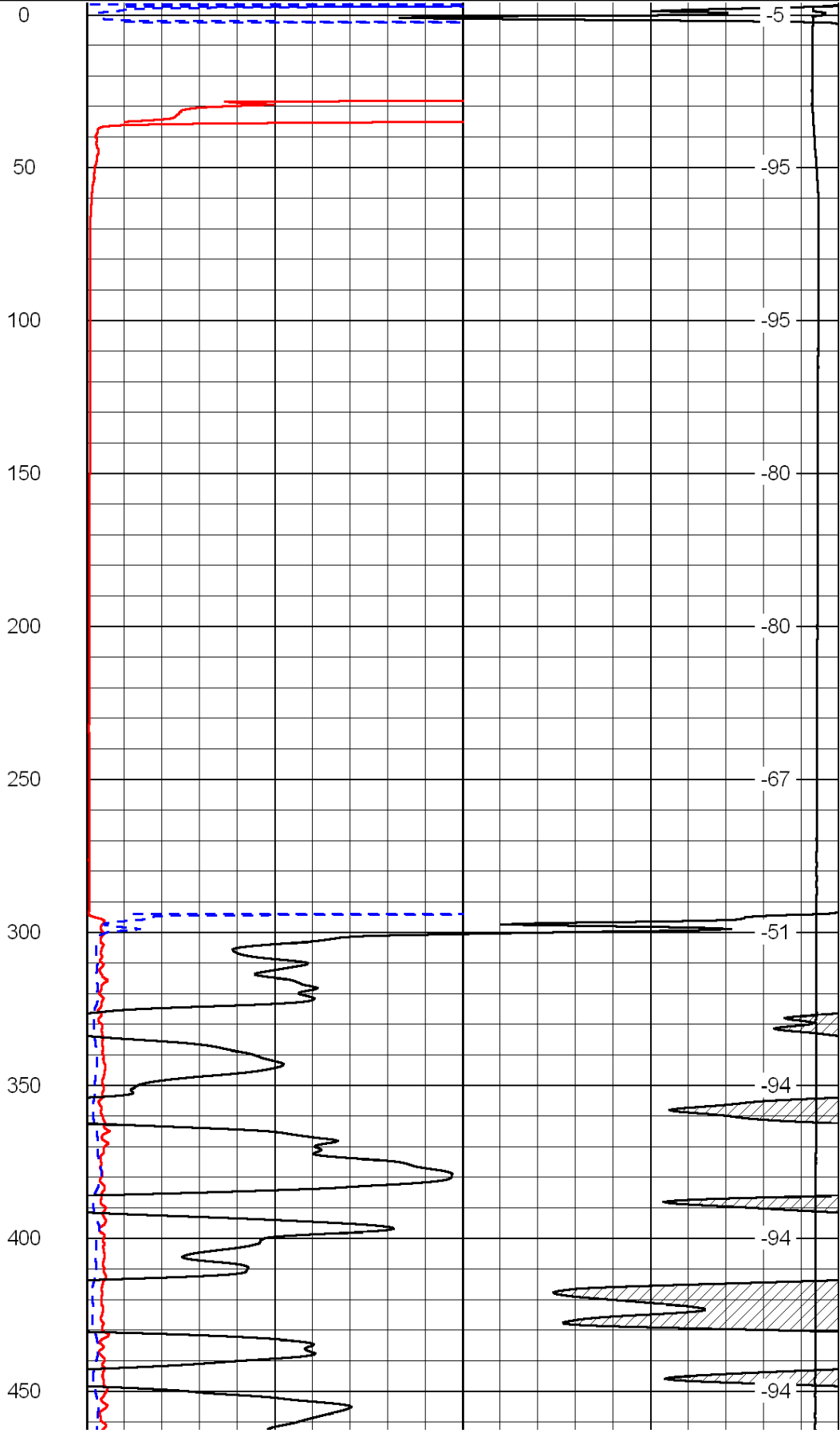
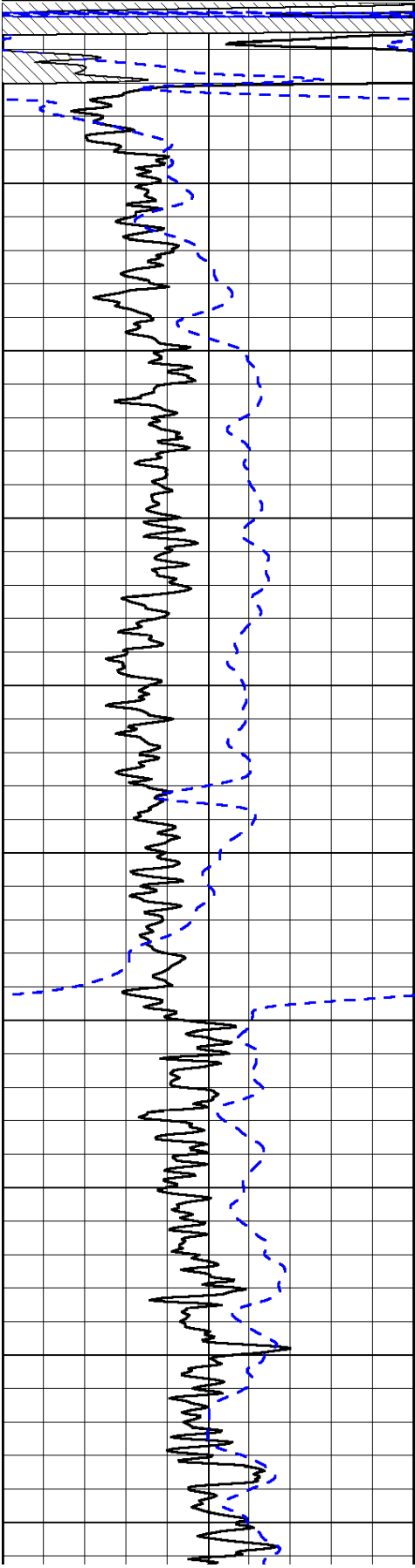
Sun City KS, 4 1/2 North,  
West Into

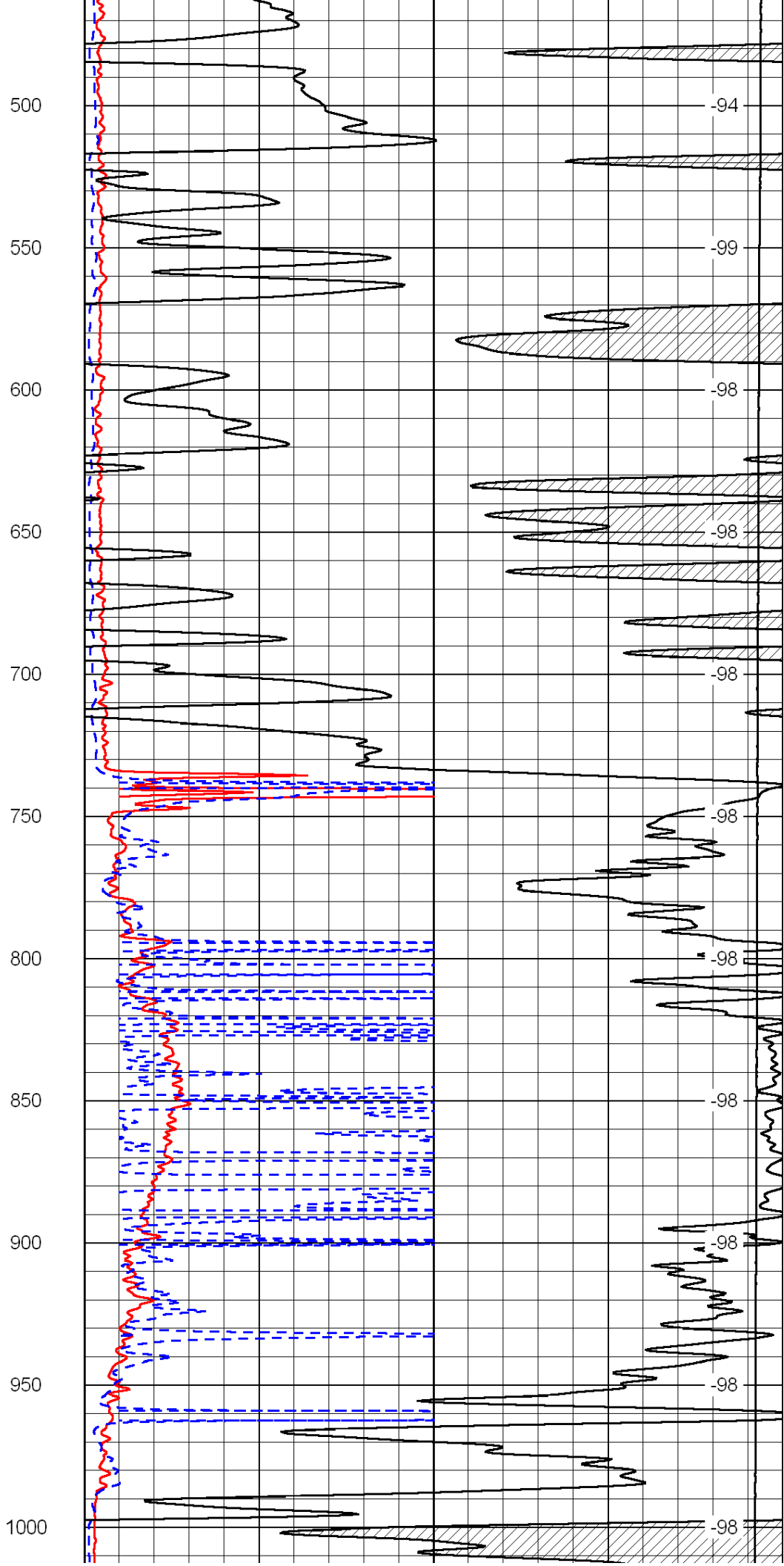
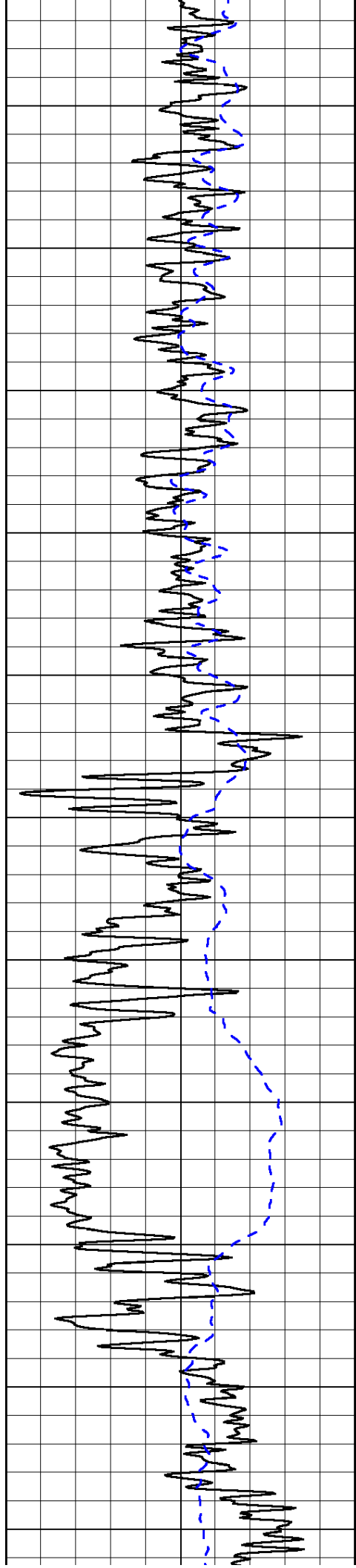
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Presentation Format: dil2in  
Dataset Creation: Mon Aug 15 11:50:20 2011  
Charted by: Depth in Feet scaled 1:600

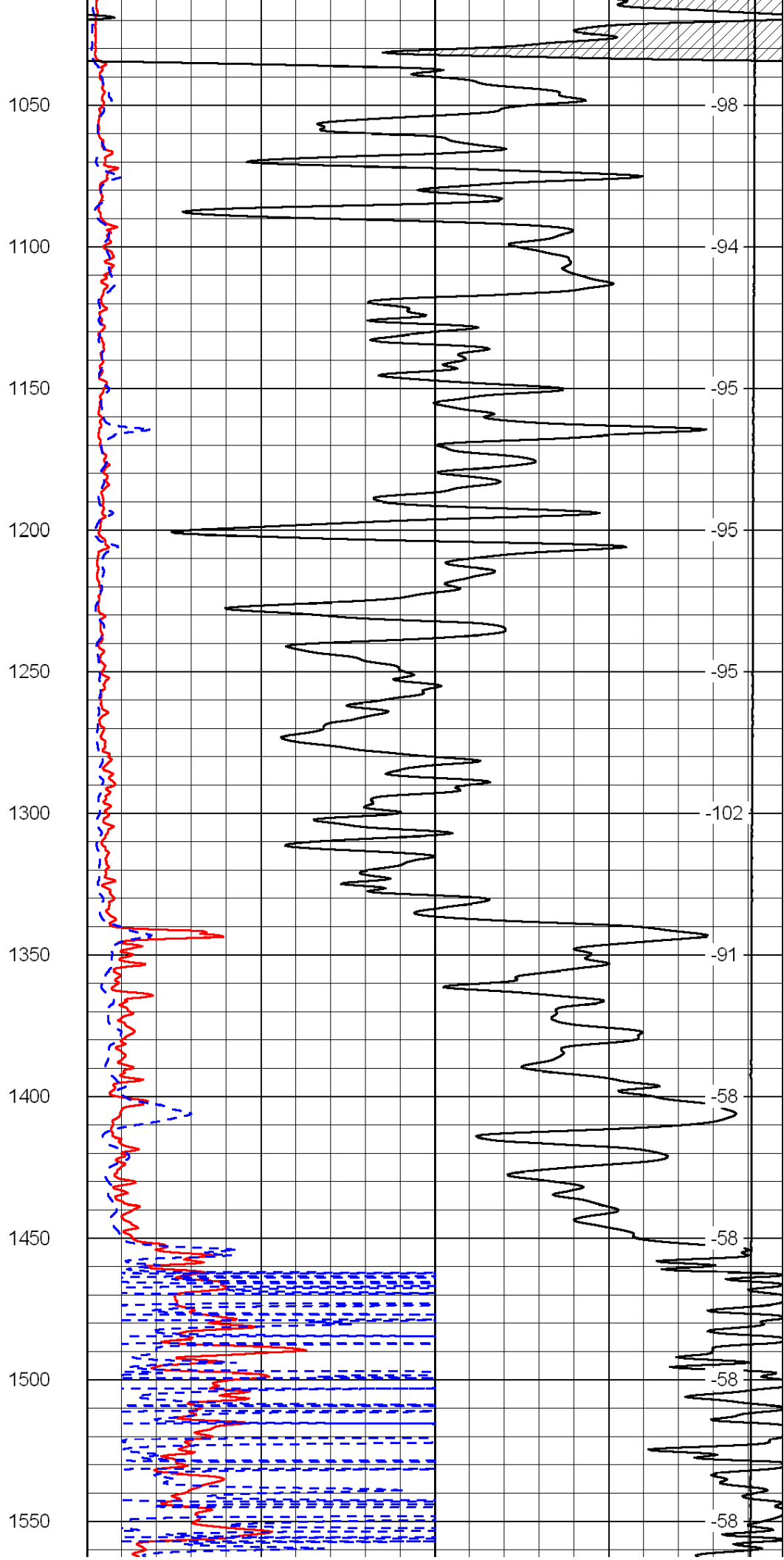
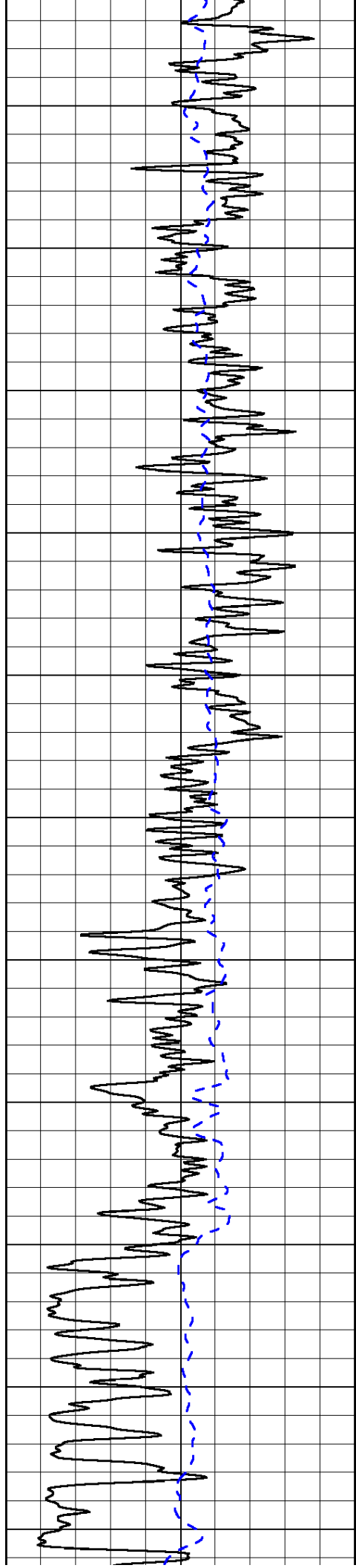
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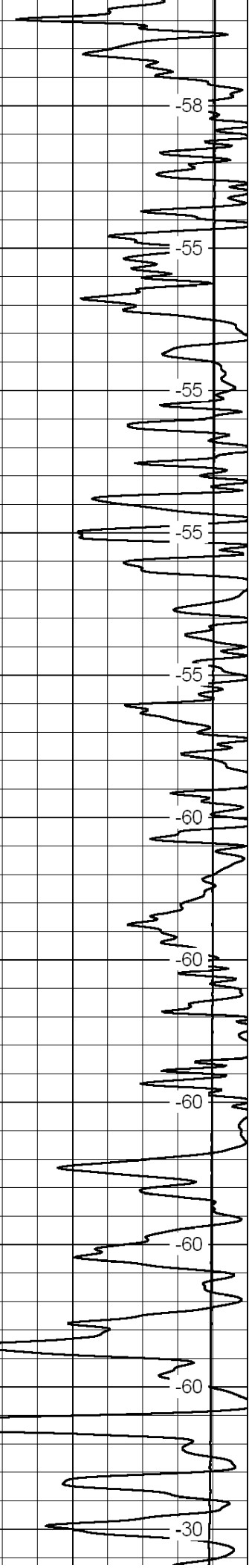
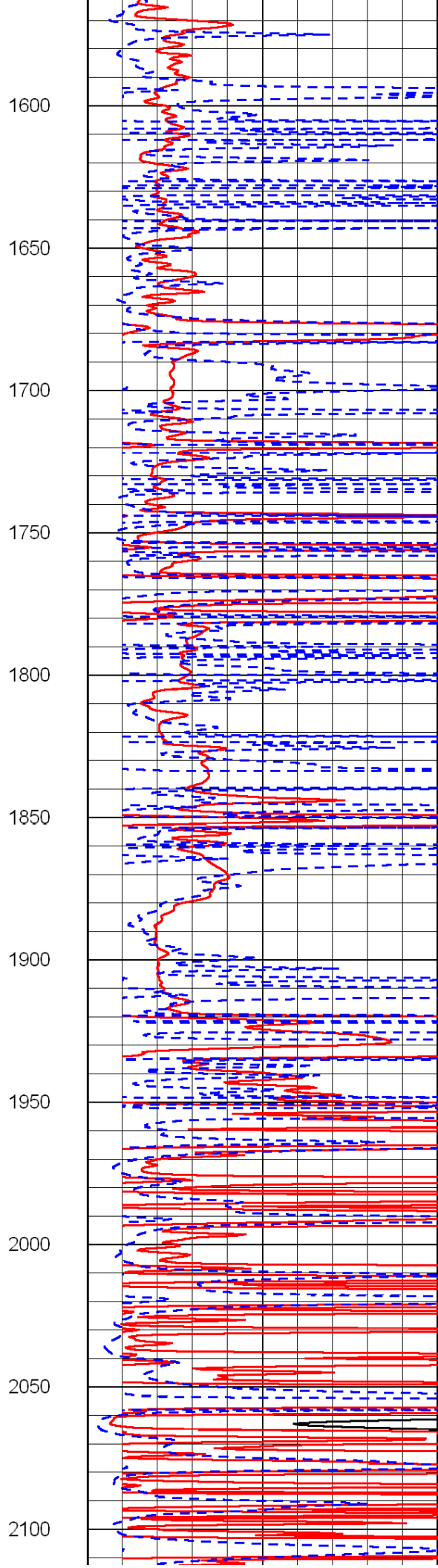
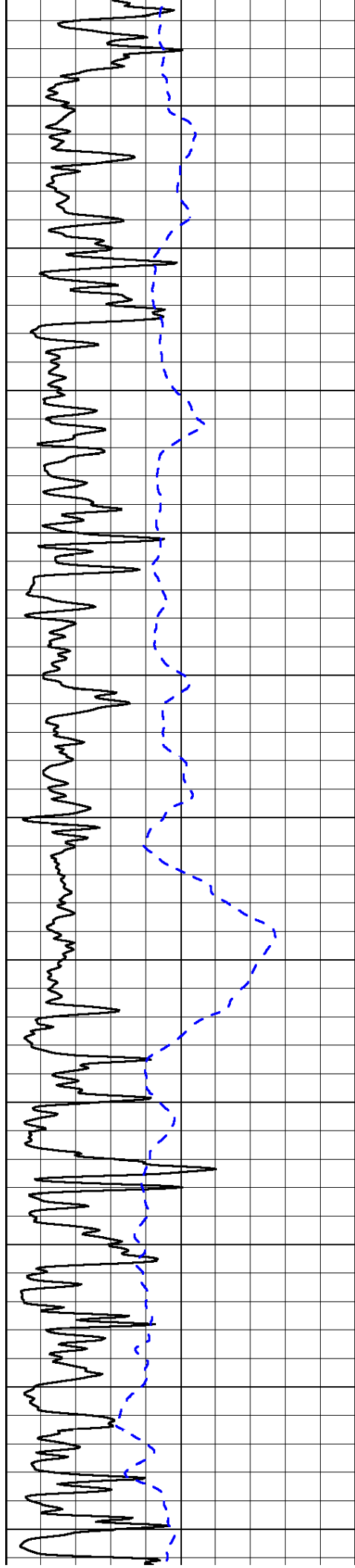
|      |           |     |
|------|-----------|-----|
| 0    | Gamma Ray | 150 |
| -200 | SP (mV)   | 0   |

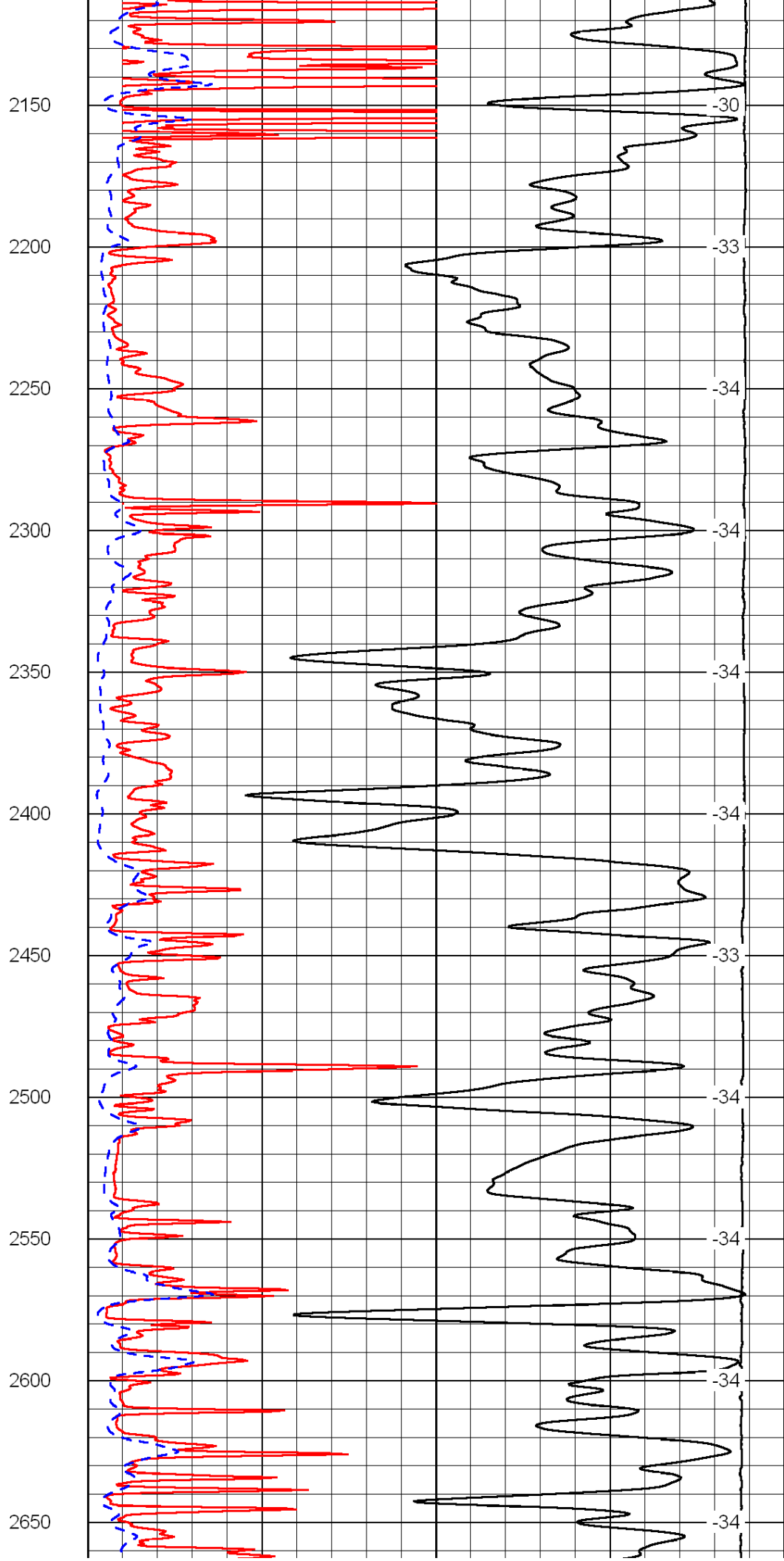
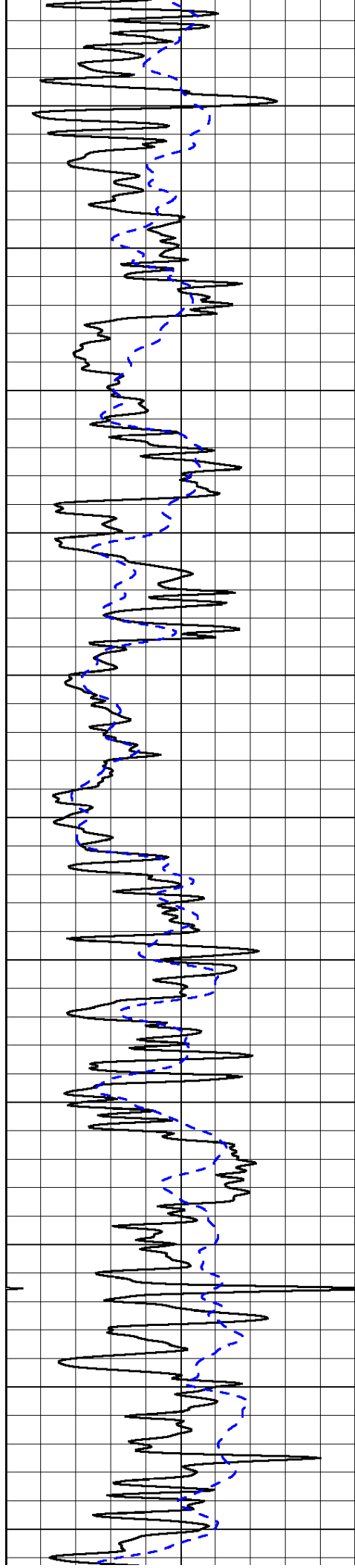
|       |                     |     |      |
|-------|---------------------|-----|------|
| 0     | Shallow Resistivity | 50  | LSPD |
| 0     | Deep Resistivity    | 50  |      |
| 1000  | Conductivity        |     | 0    |
| 15000 | Line Tension        |     | 0    |
| 50    | Shallow Resistivity |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

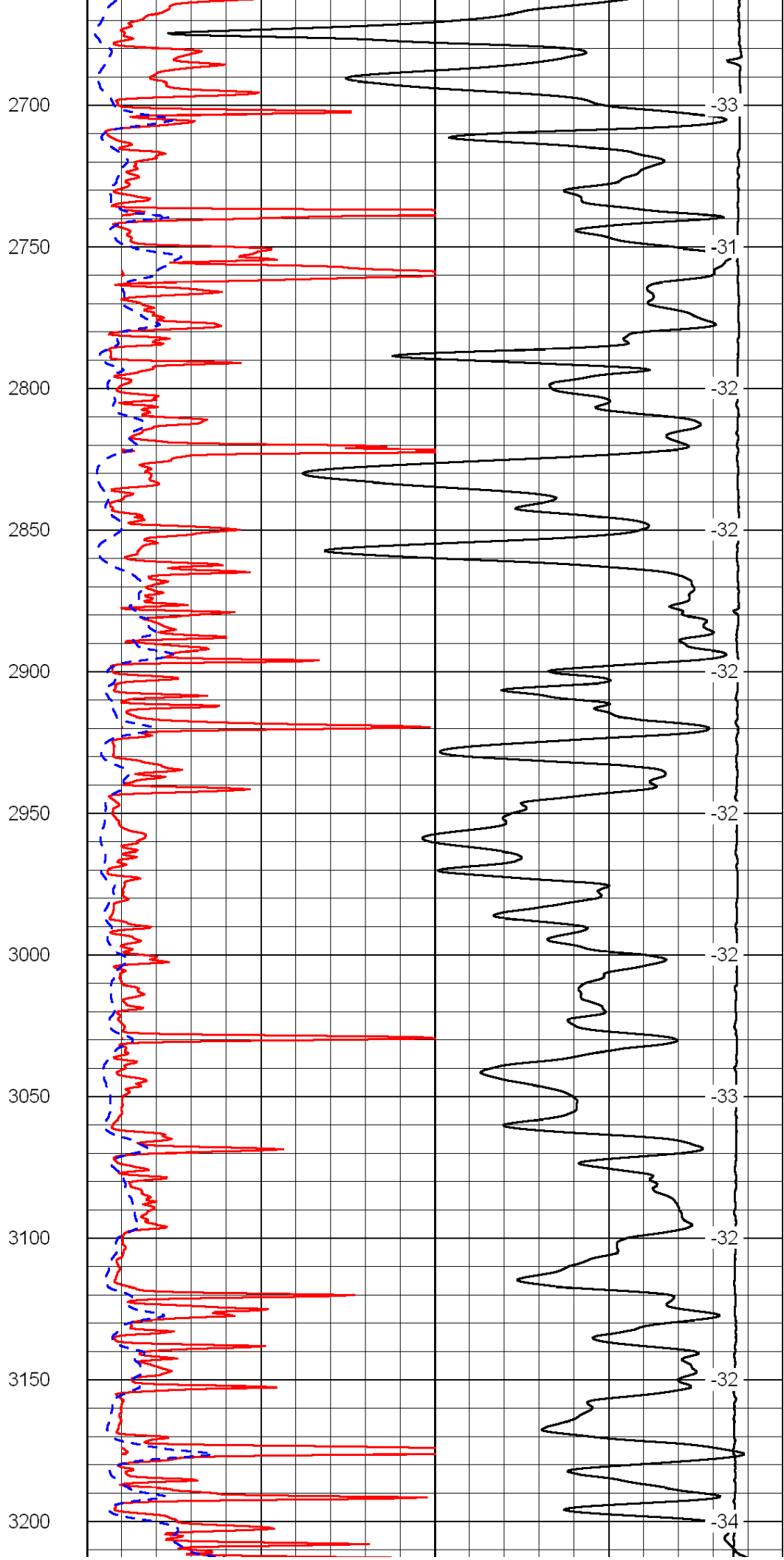
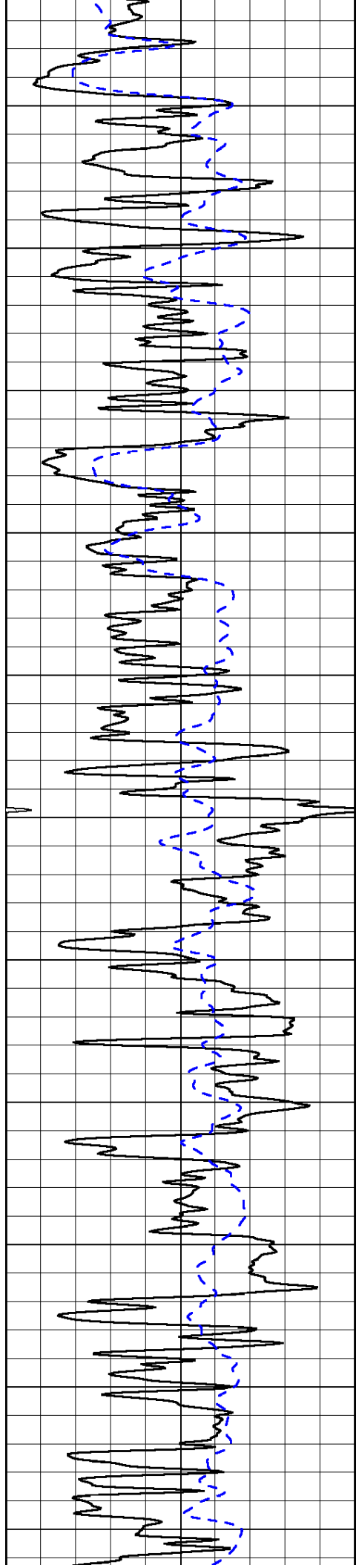


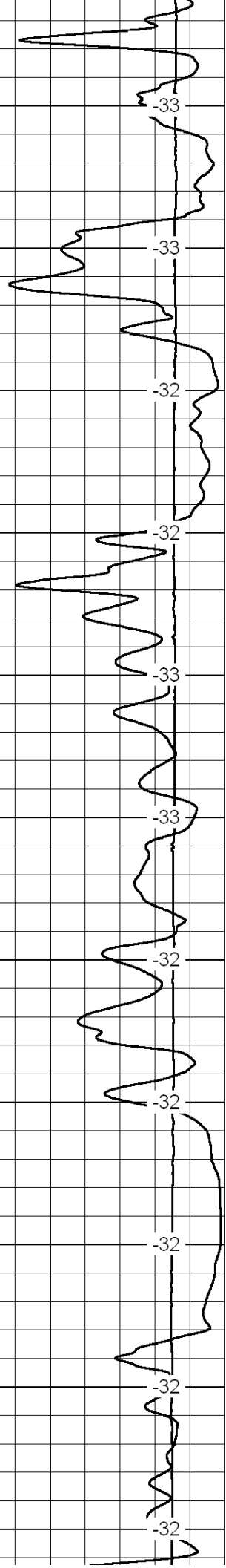
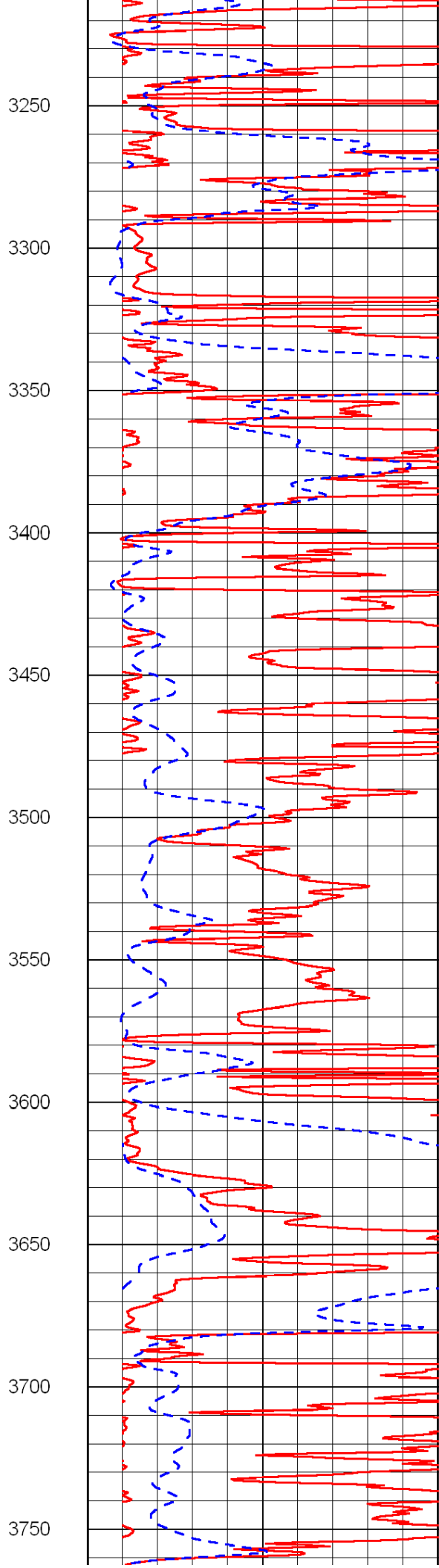
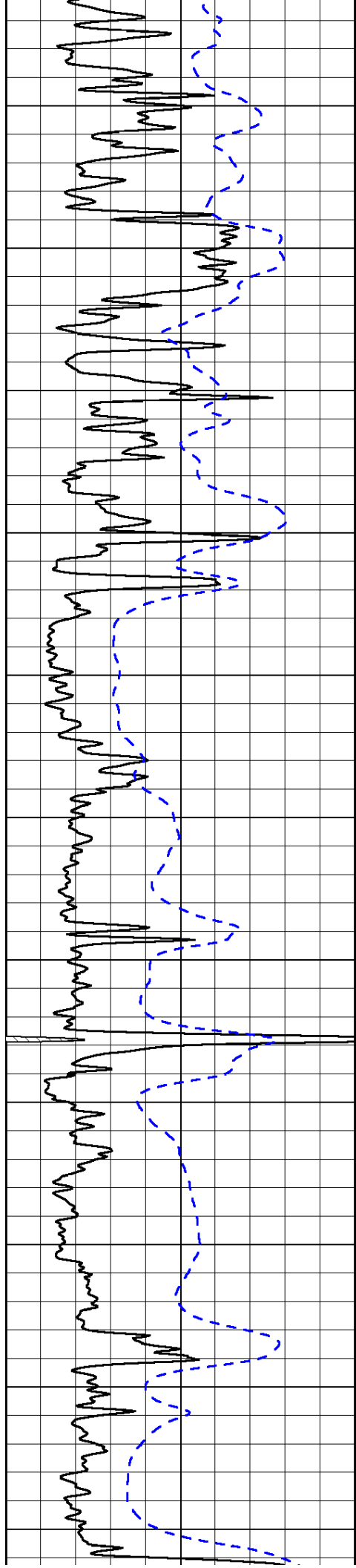


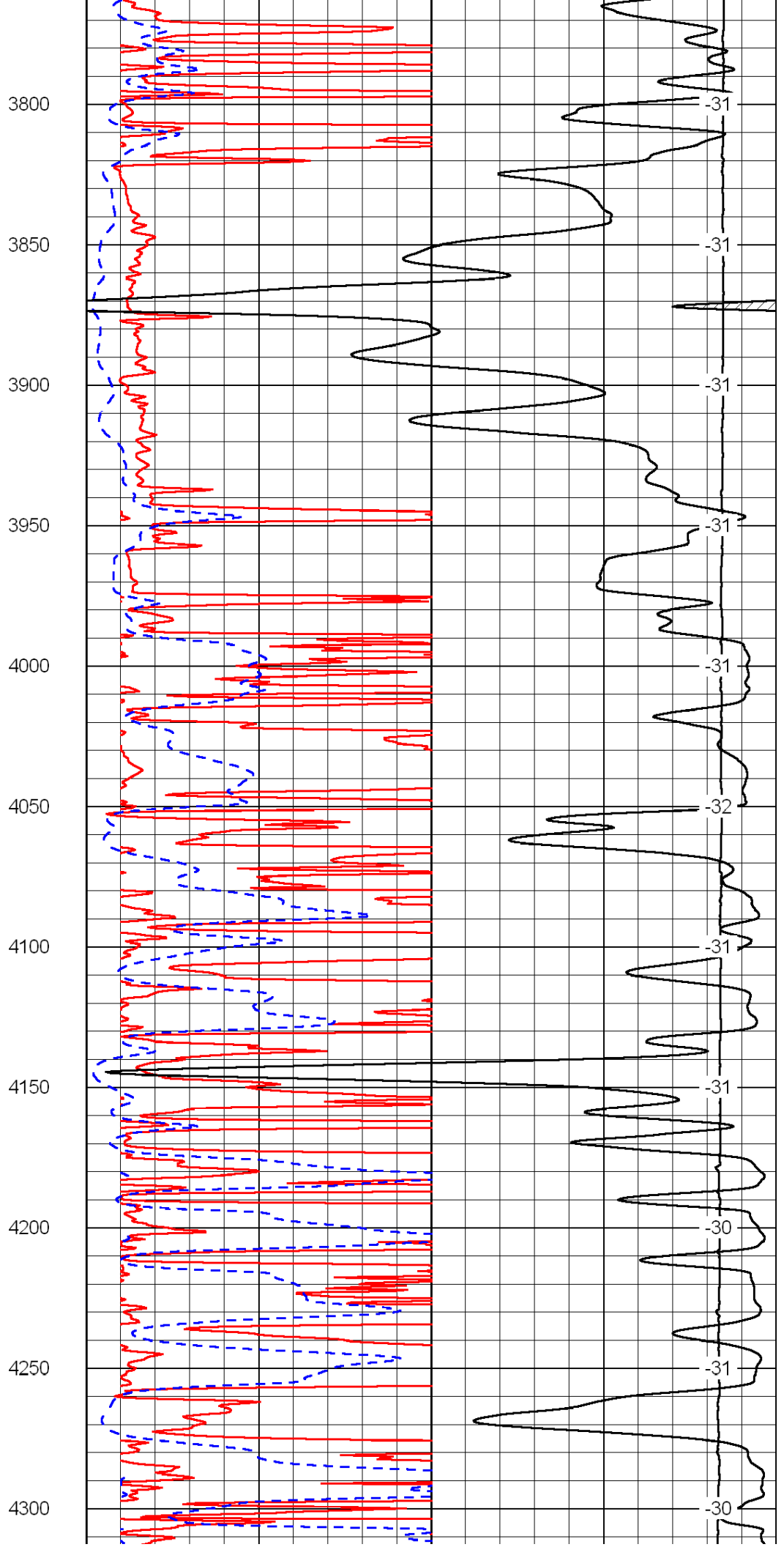
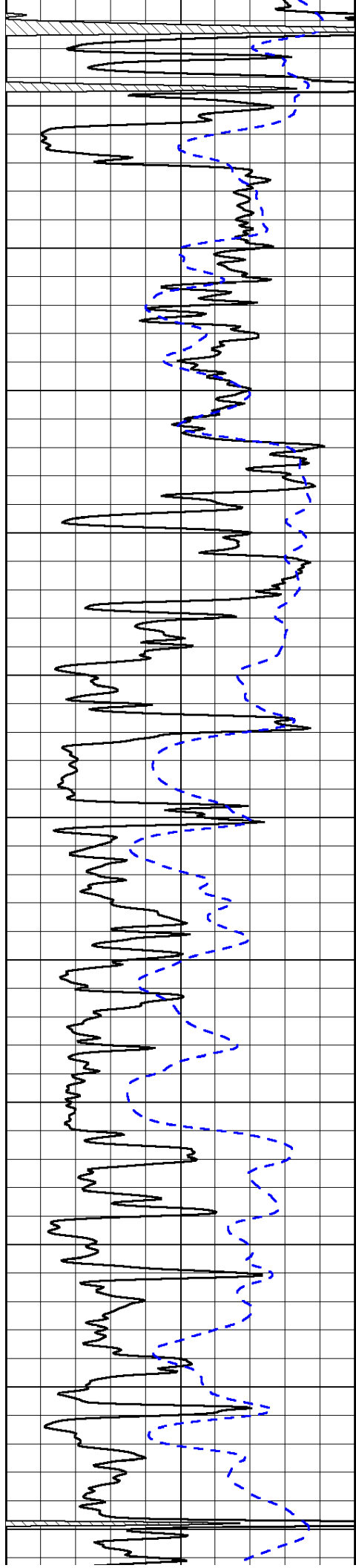


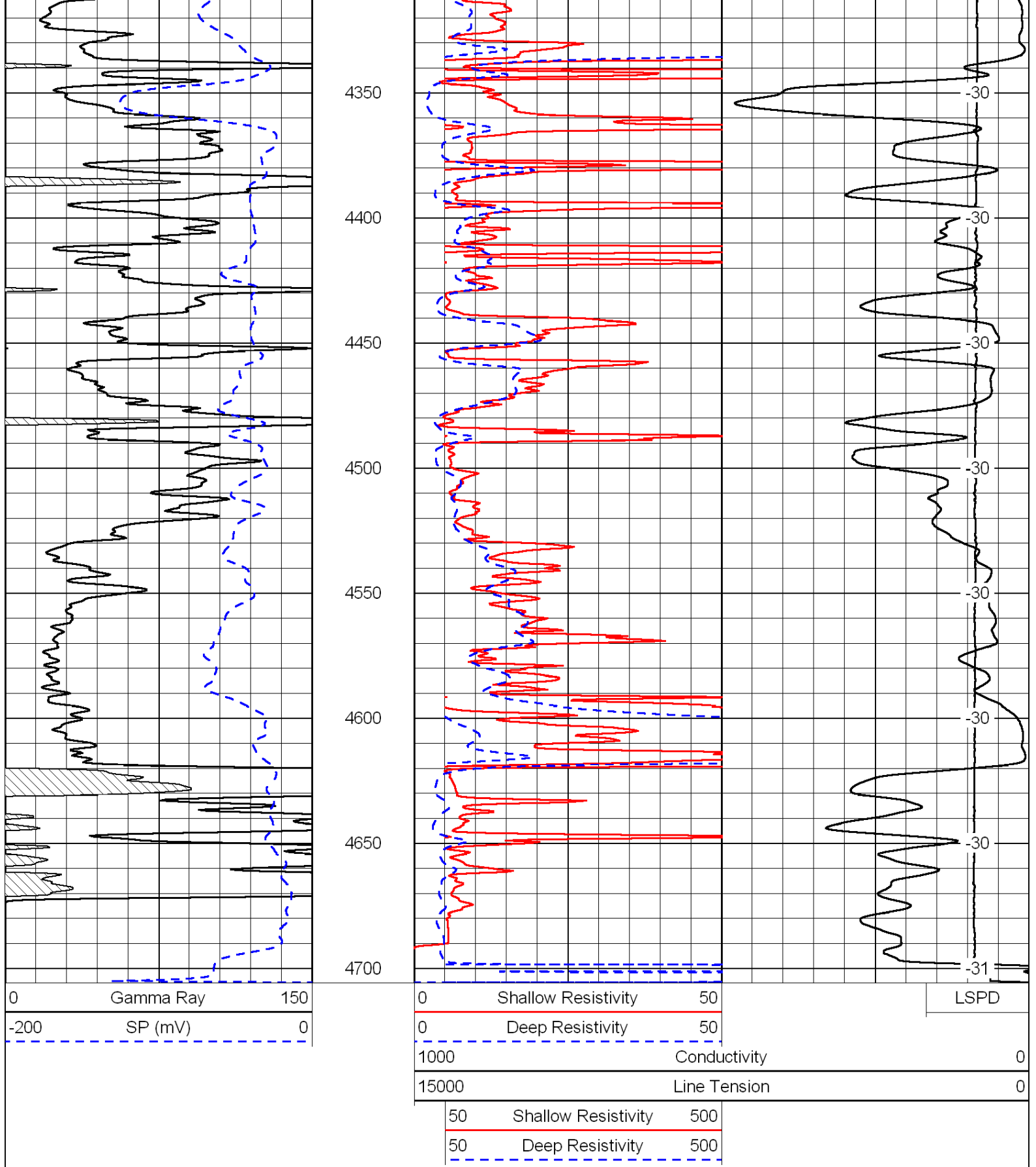




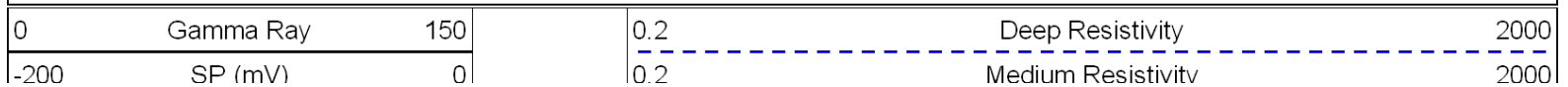








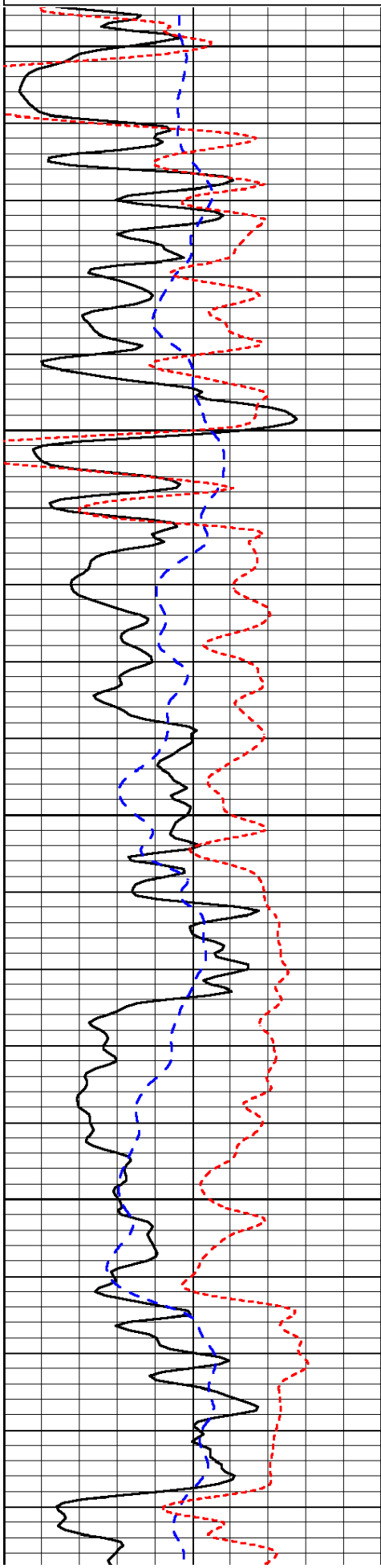
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 Dataset Pathname: dil/robstk  
 Presentation Format: dil  
 Dataset Creation: Mon Aug 15 11:50:20 2011  
 Charted by: Depth in Feet scaled 1:240



-160 Rxo / Rt 40

0.2 Shallow Resistivity 2000  
15000 Line Tension 0

LSPD

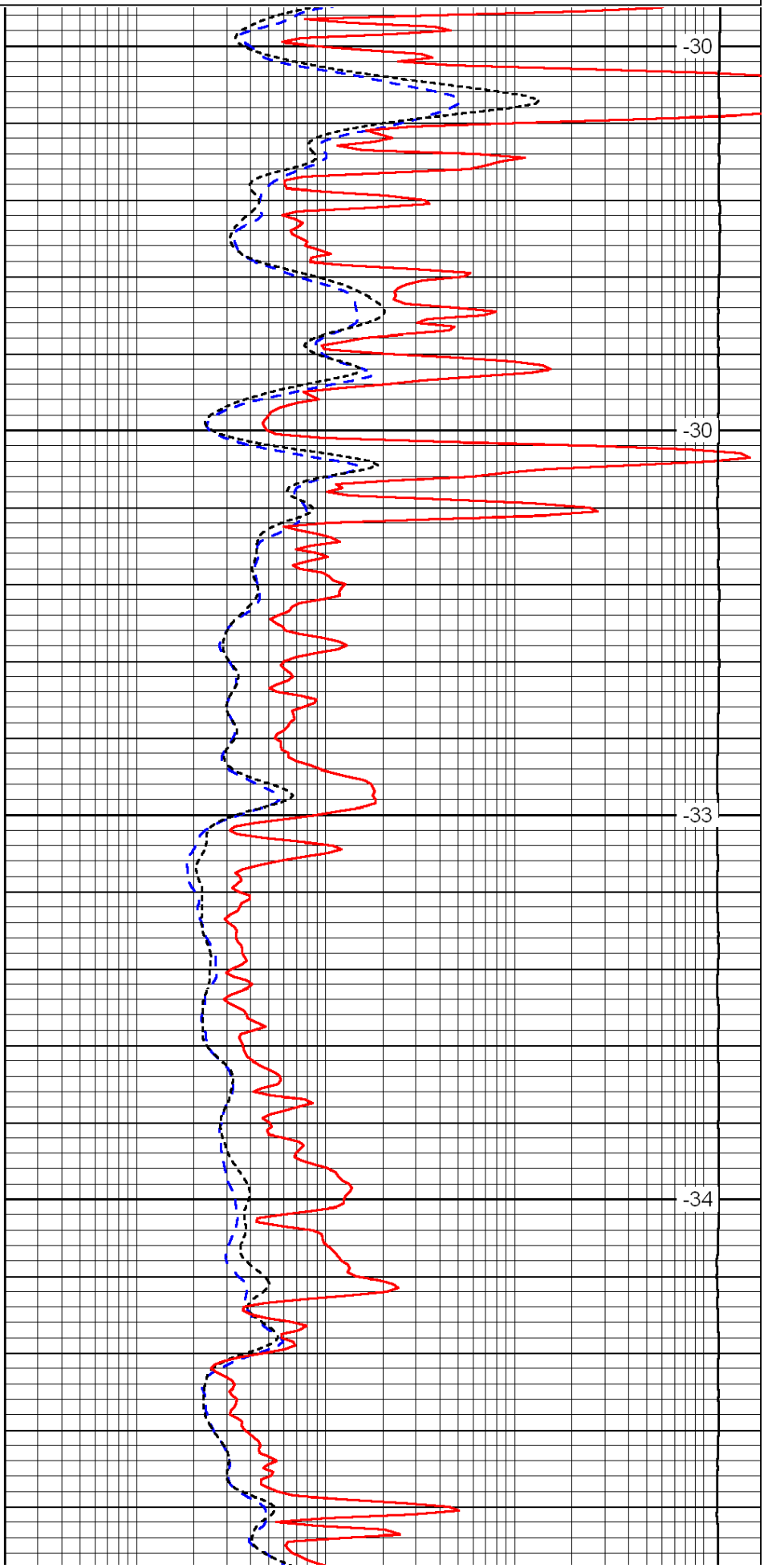


2100

2150

2200

2250

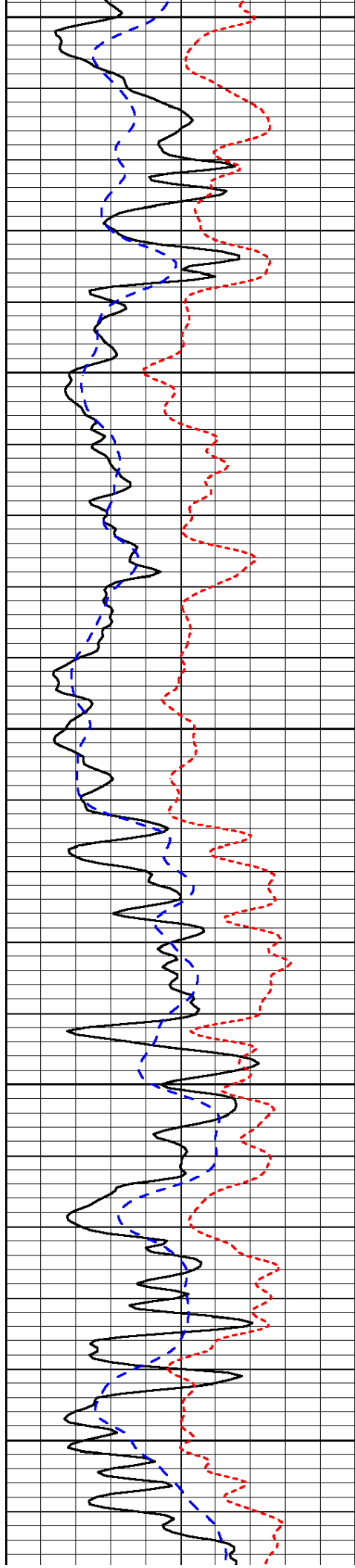


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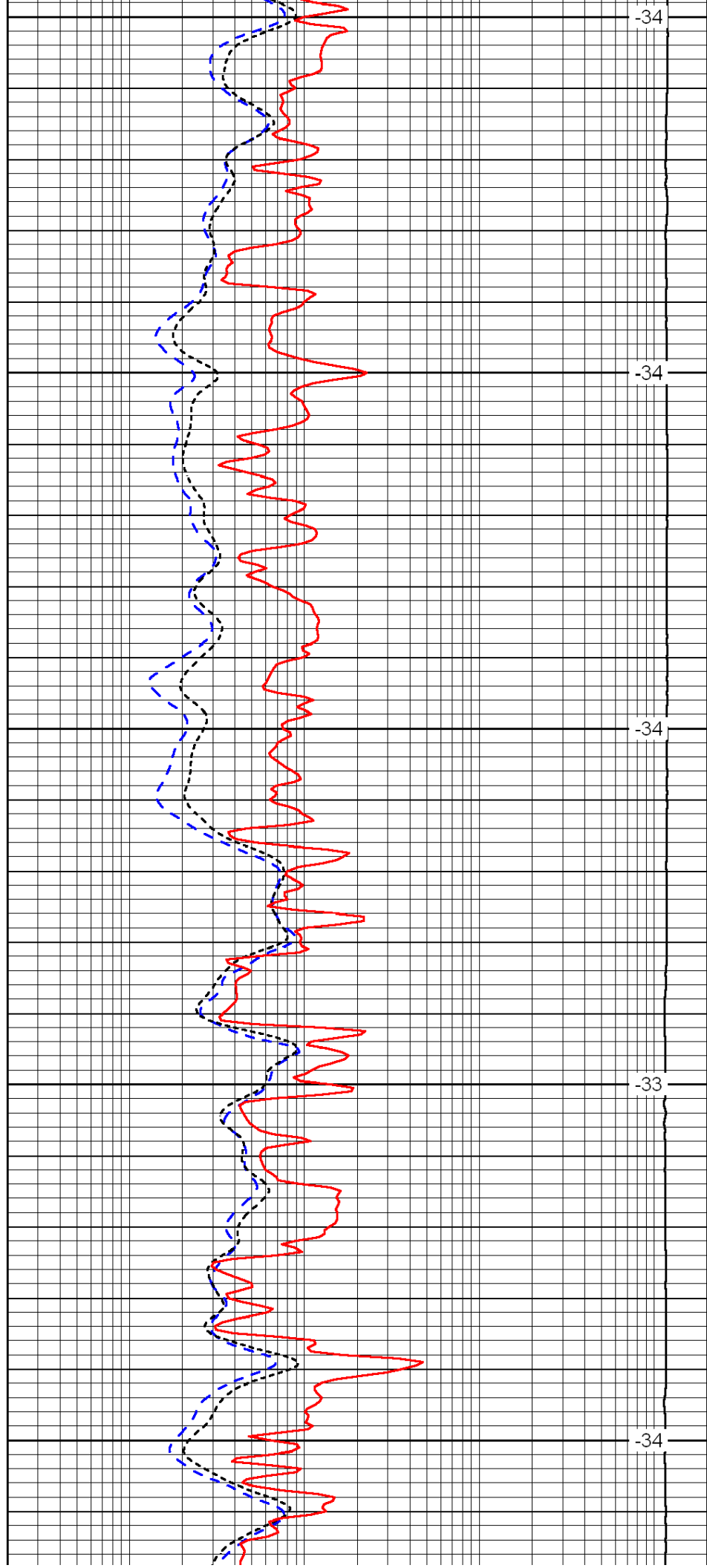
2300

2350

2400

2450

2500



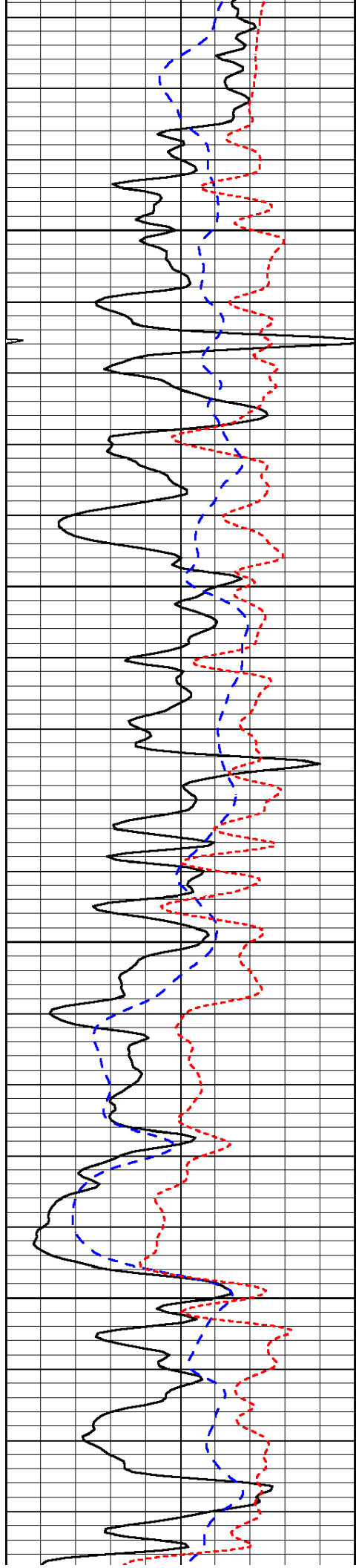
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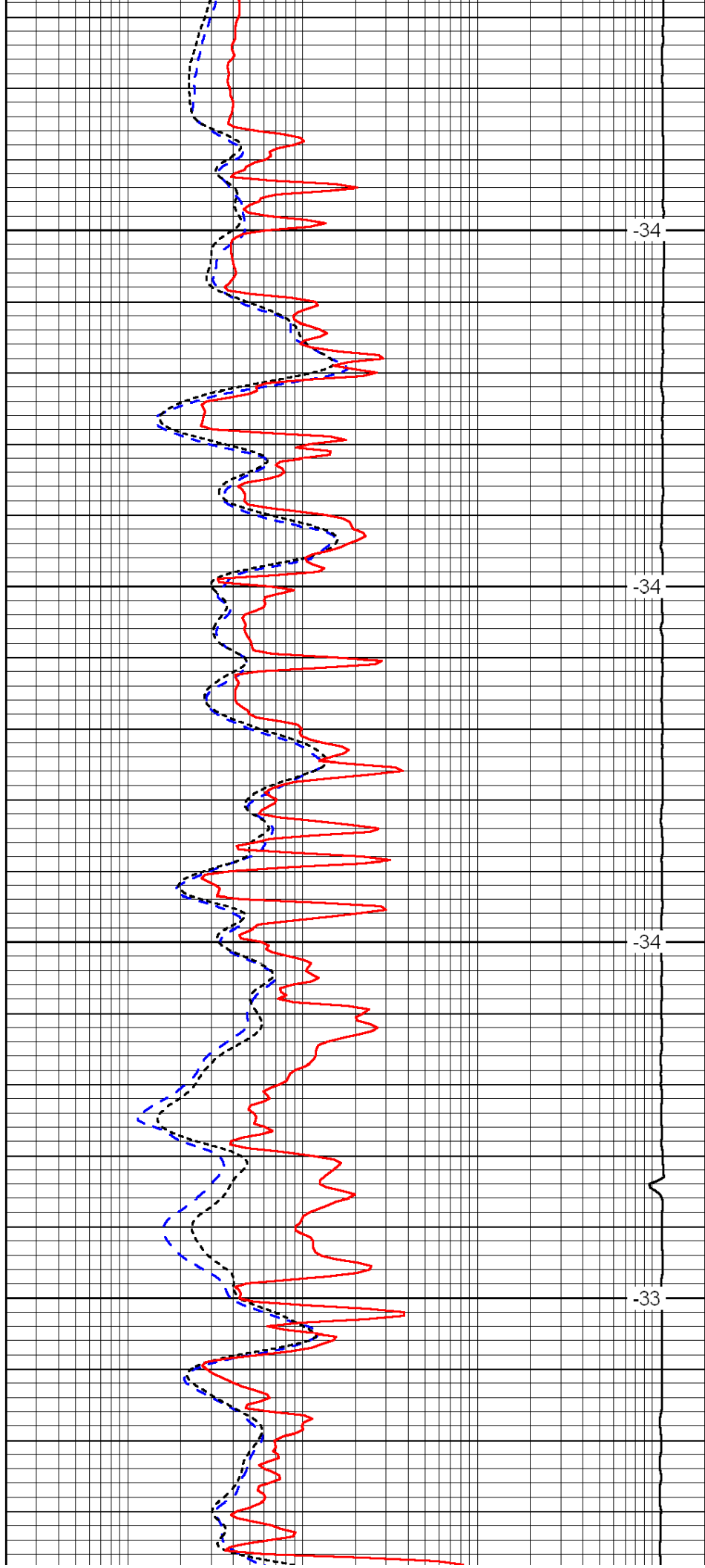


2550

2600

2650

2700

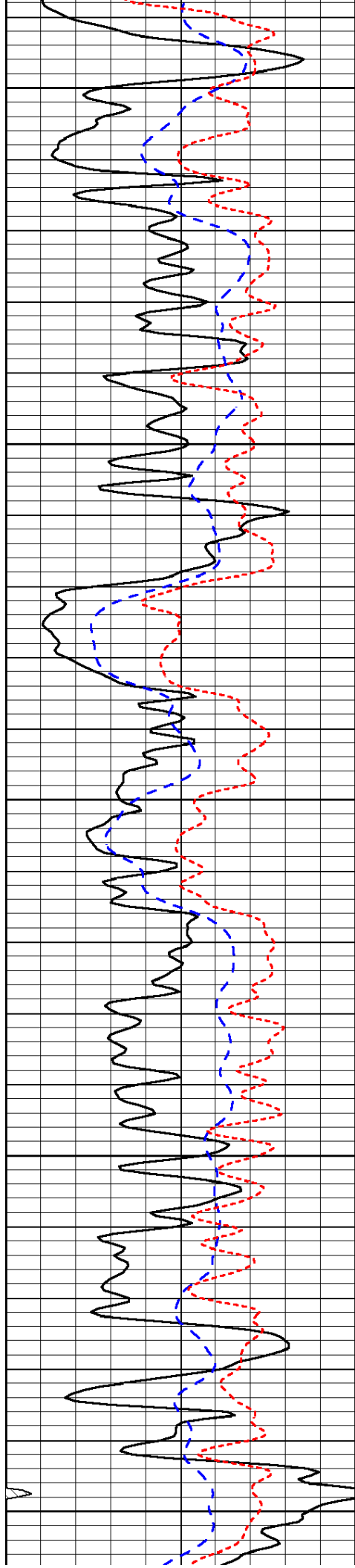


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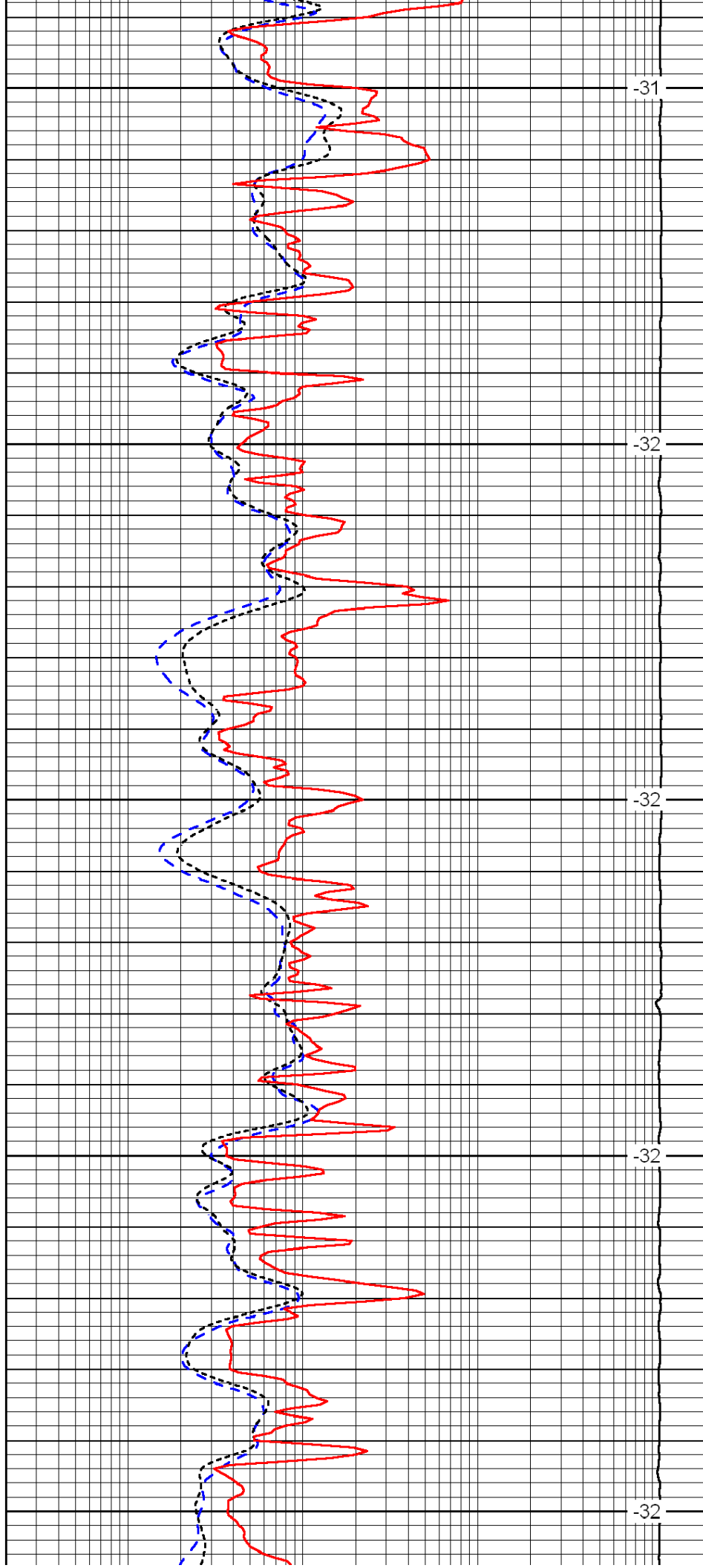
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2800

2850

2900

2950



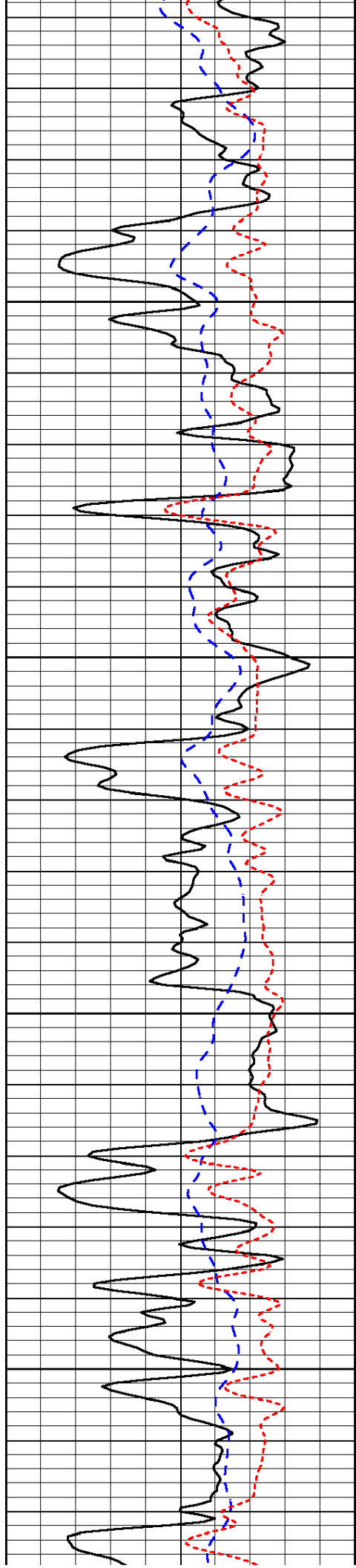
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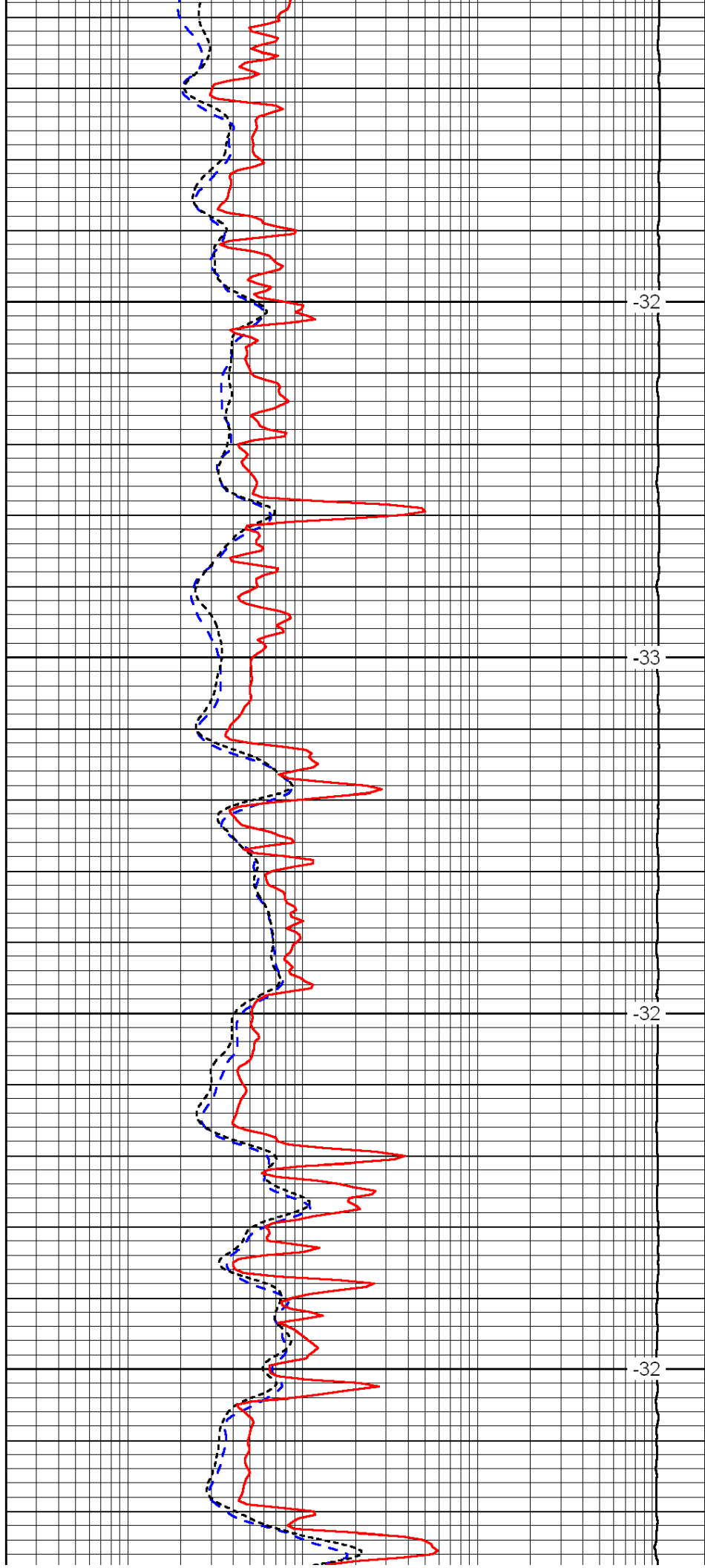


3000

3050

3100

3150

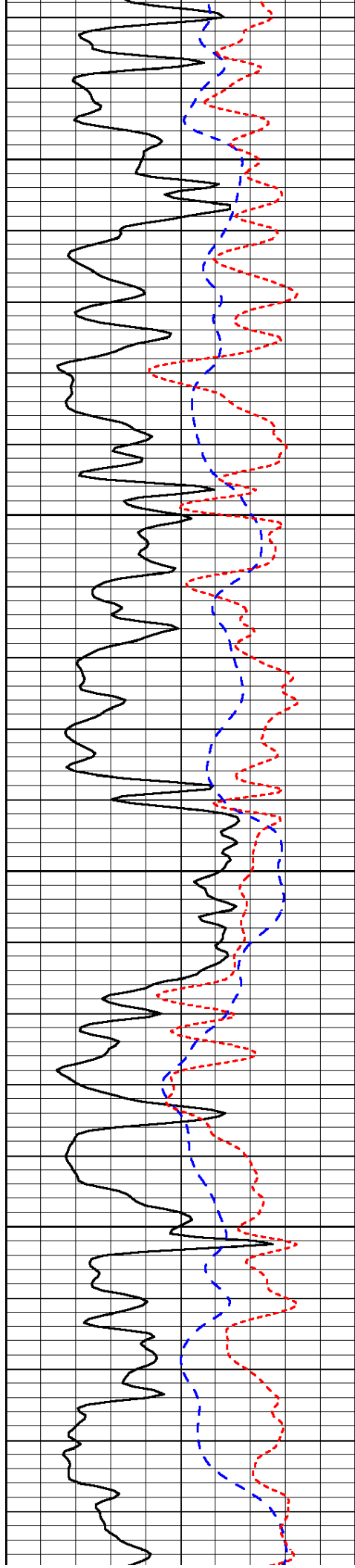


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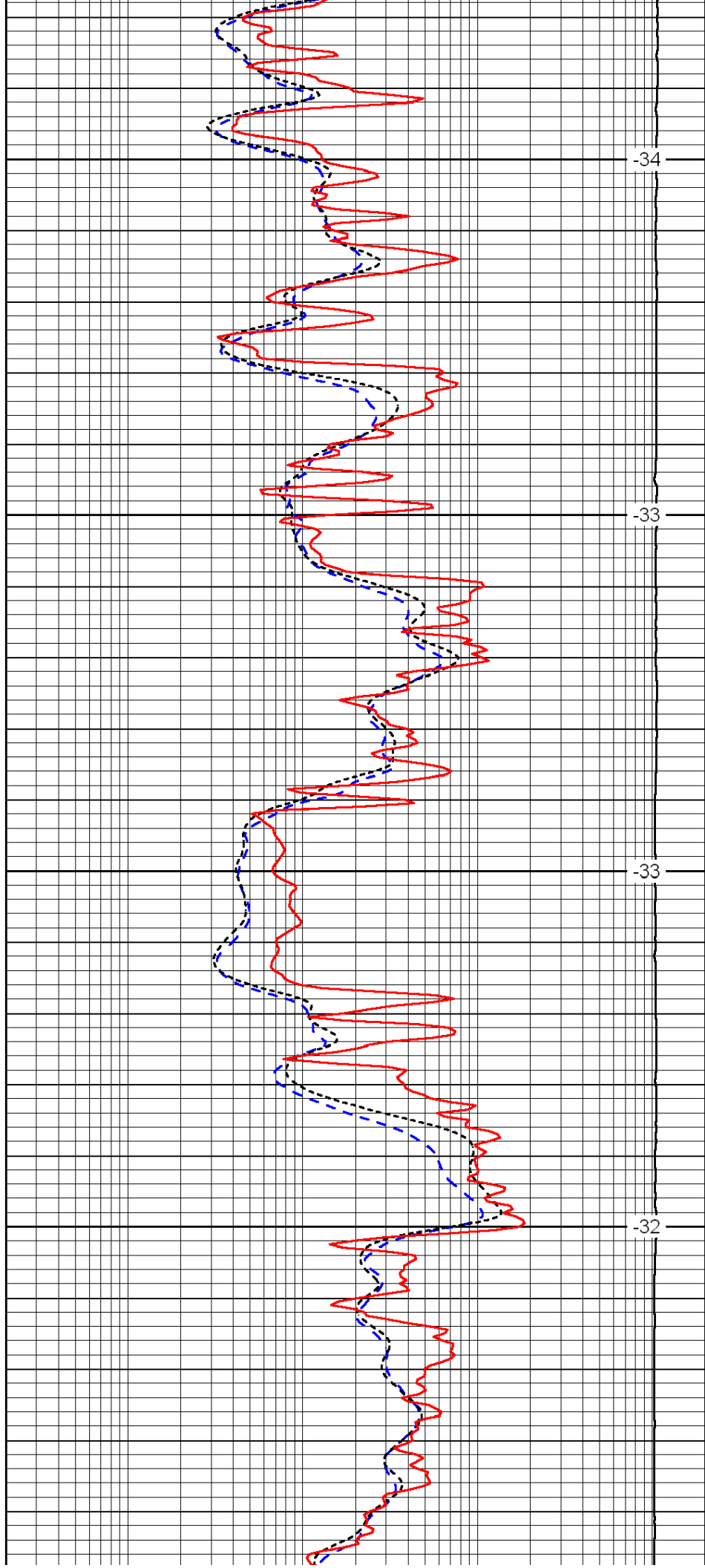


3200

3250

3300

3350

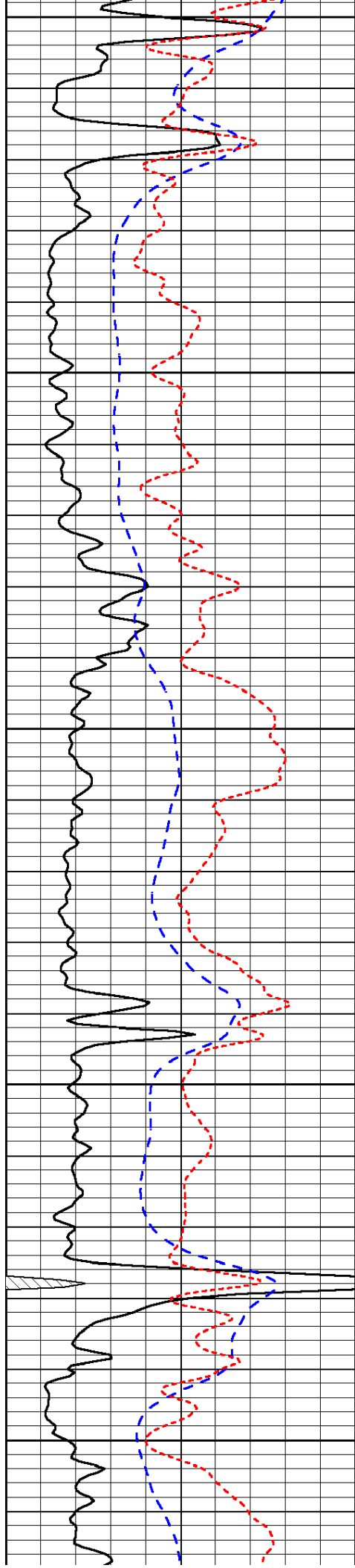


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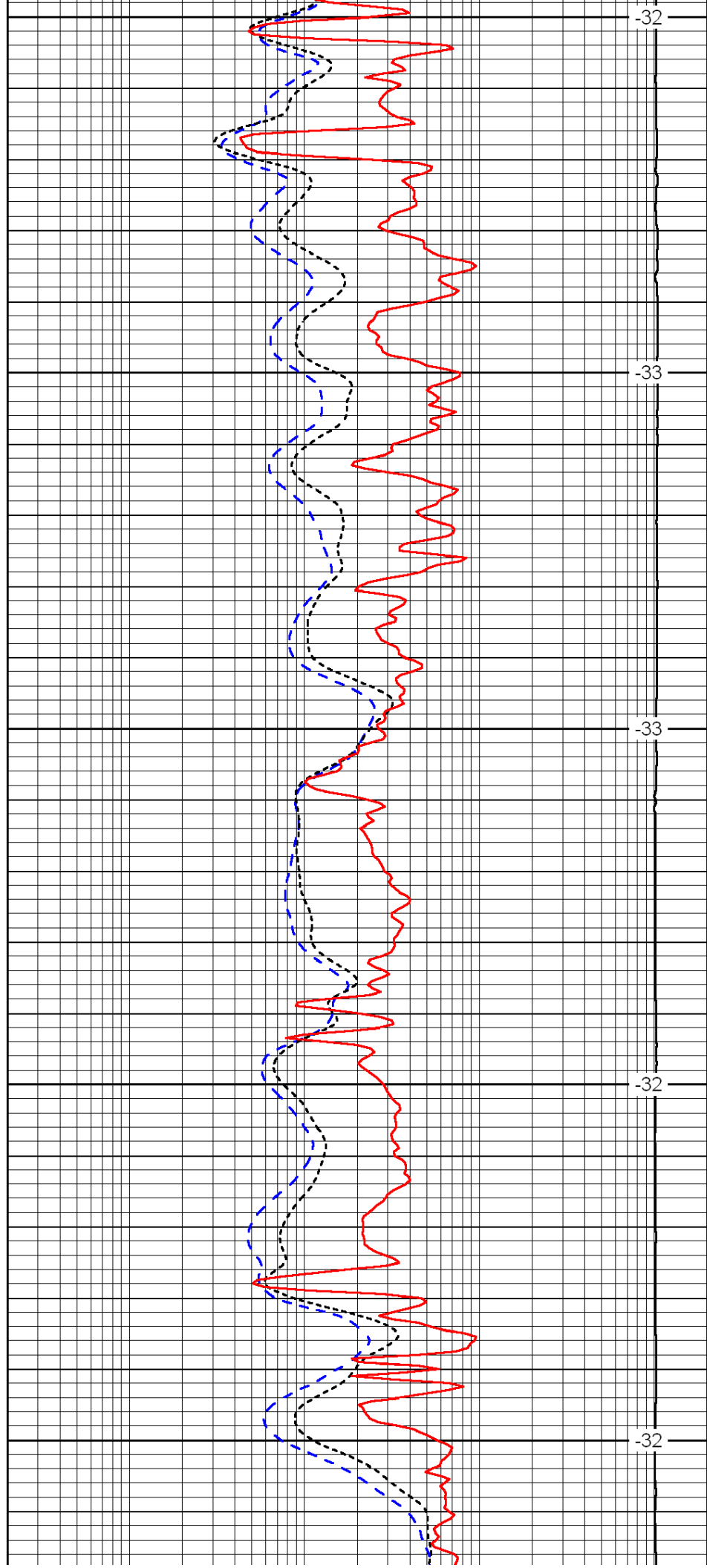
3400

3450

3500

3550

3600



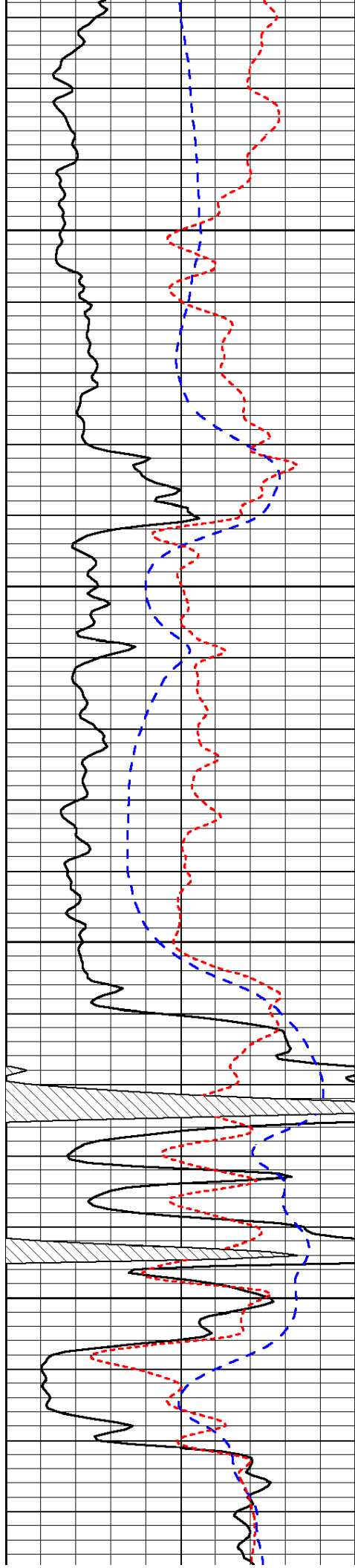
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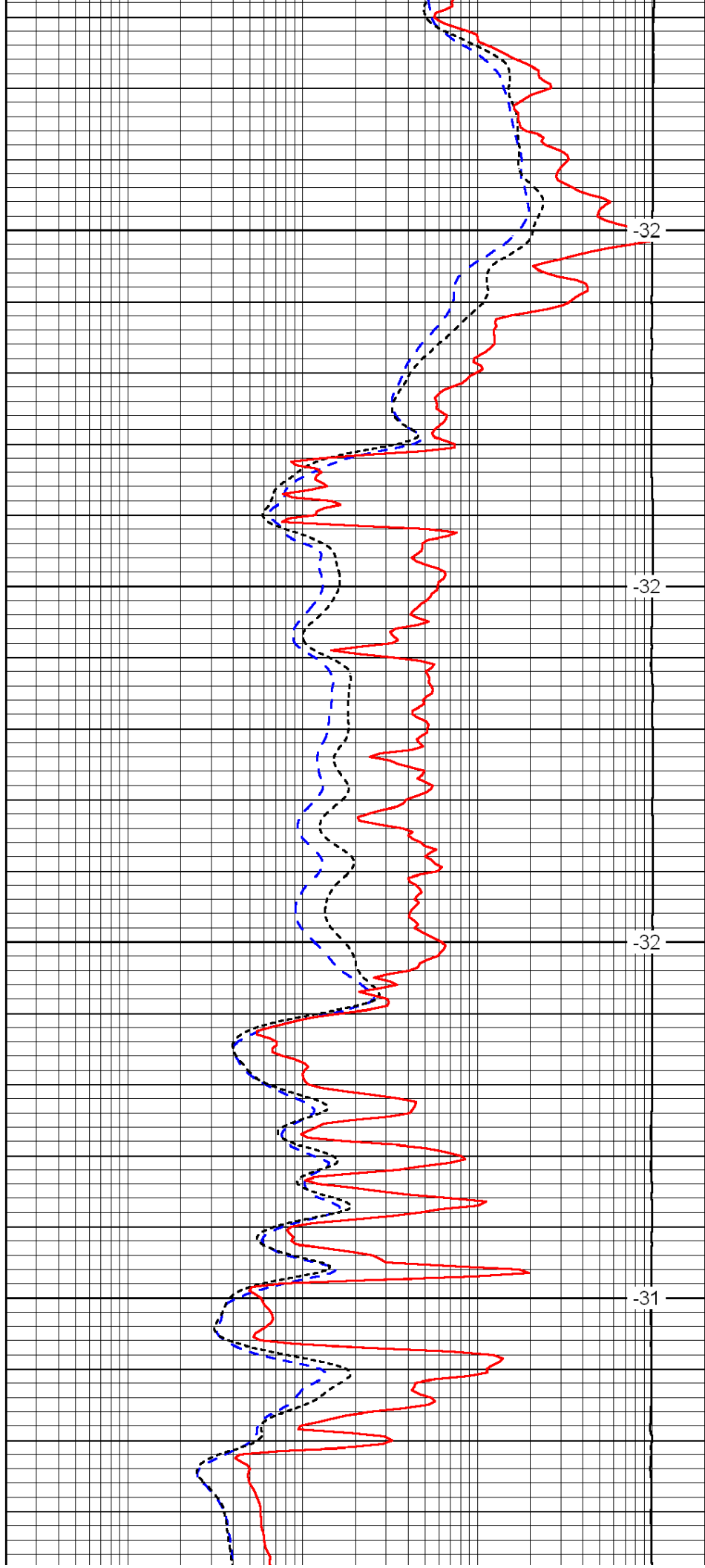


3650

3700

3750

3800

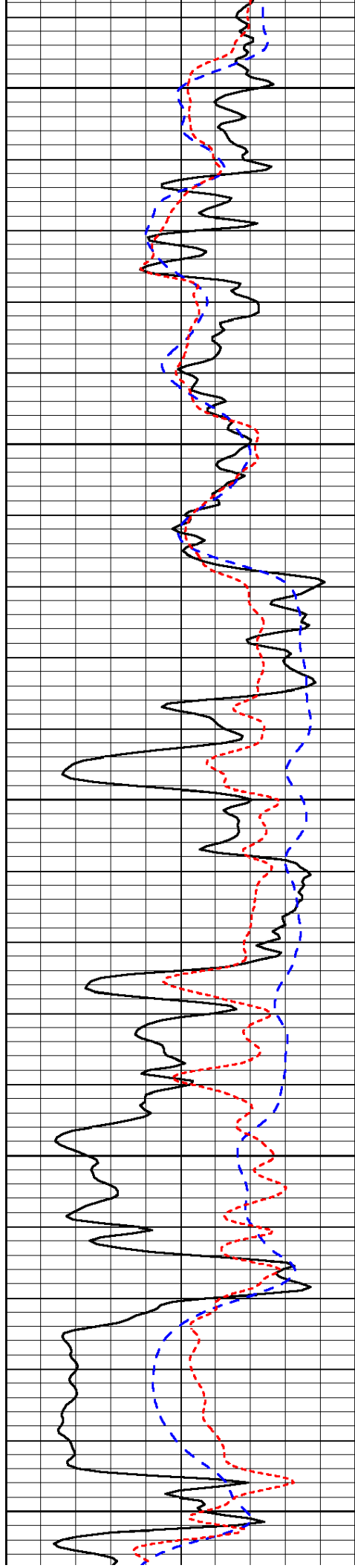


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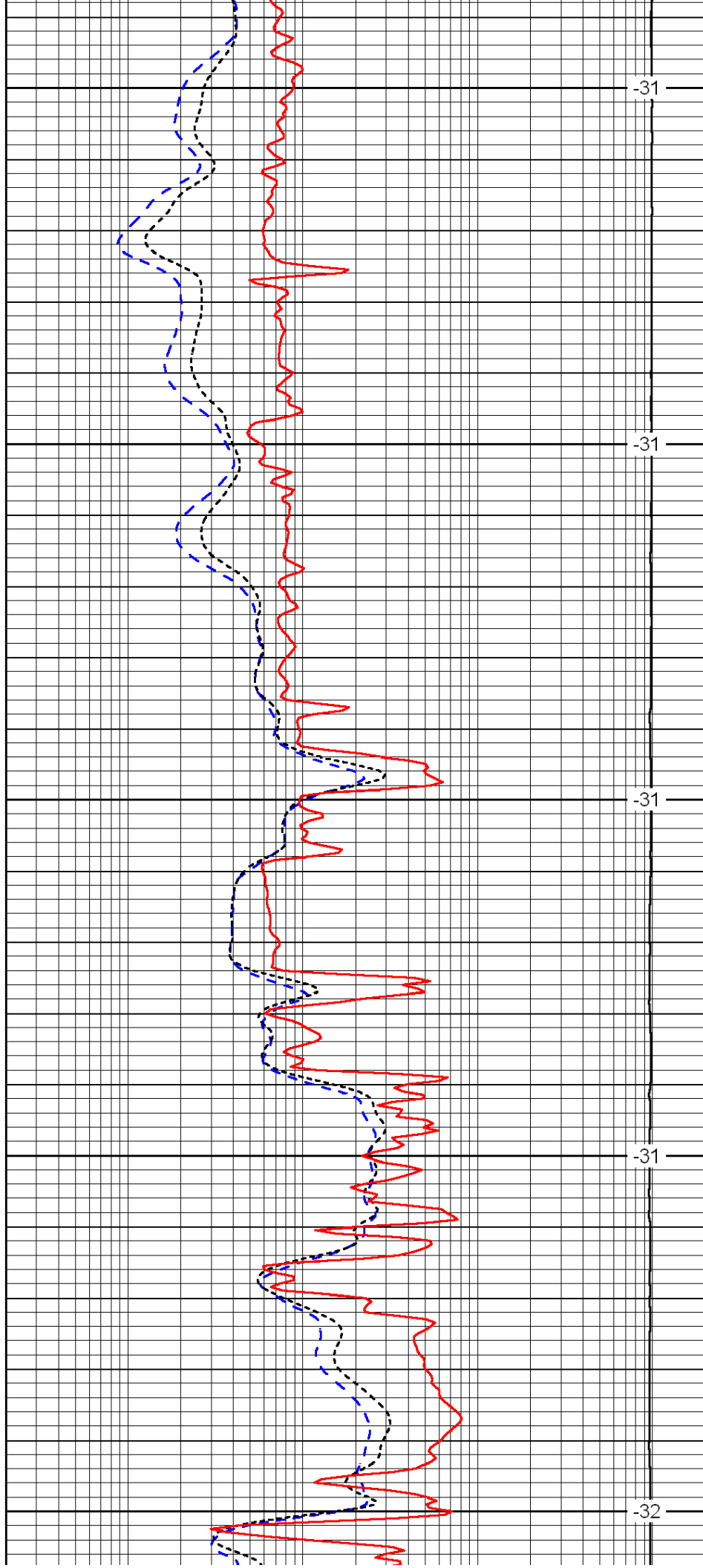
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3900

3950

4000

4050



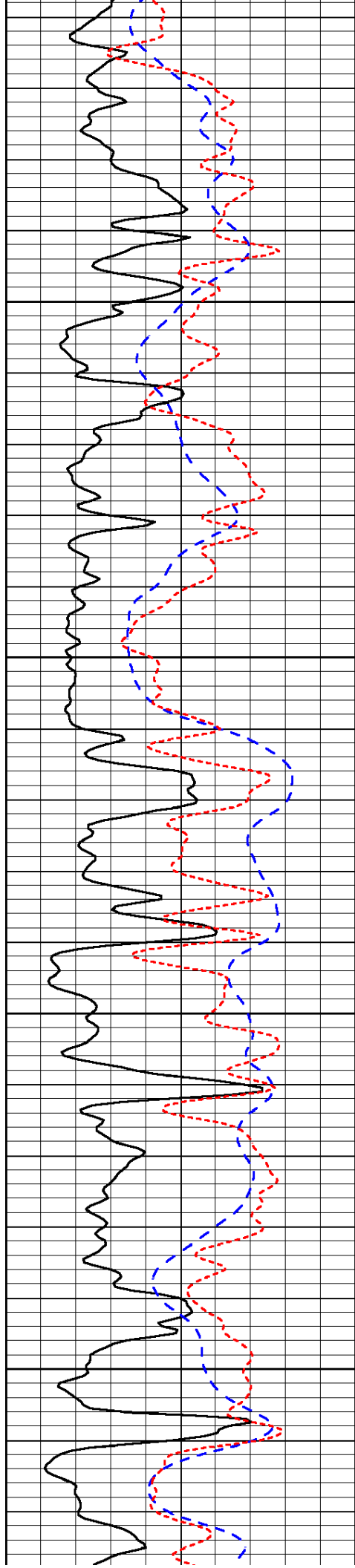
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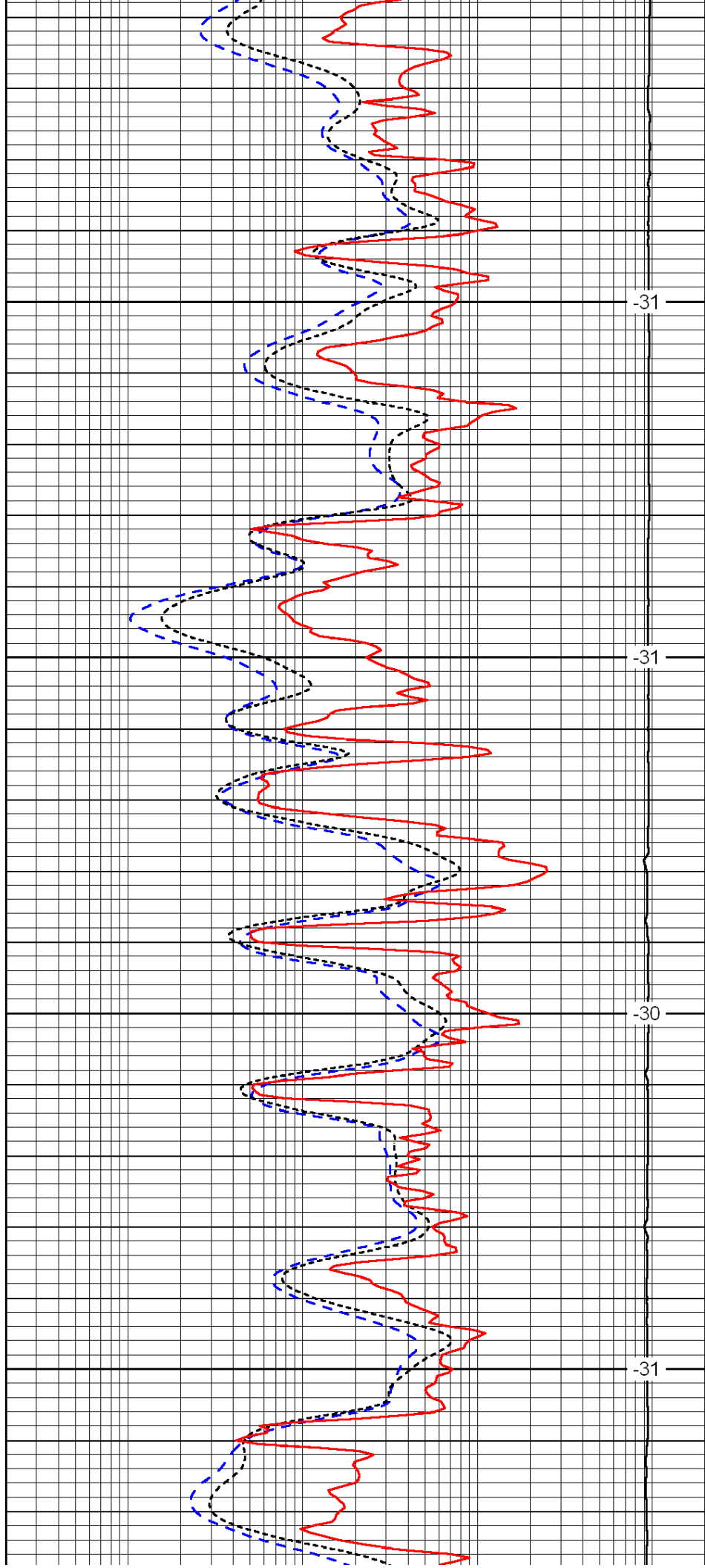


4100

4150

4200

4250

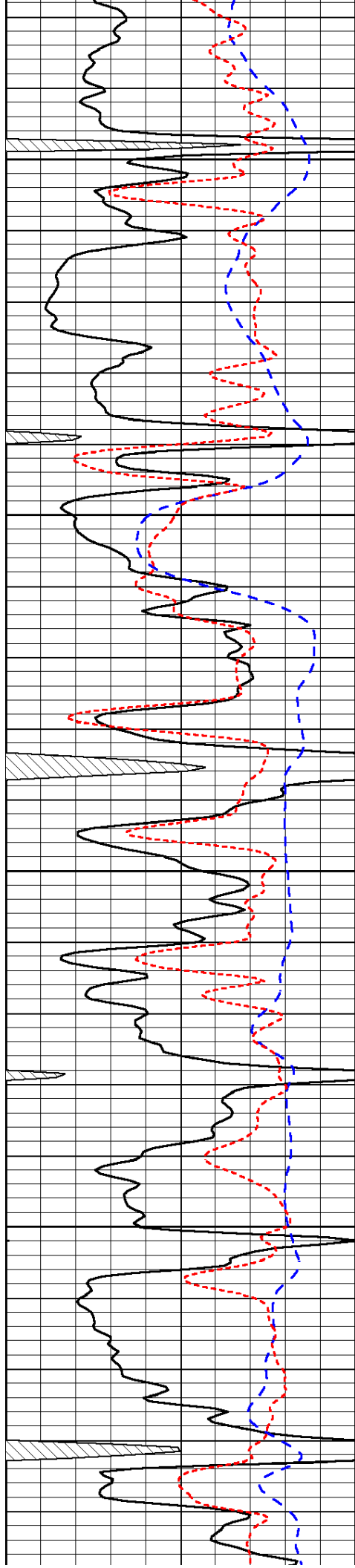


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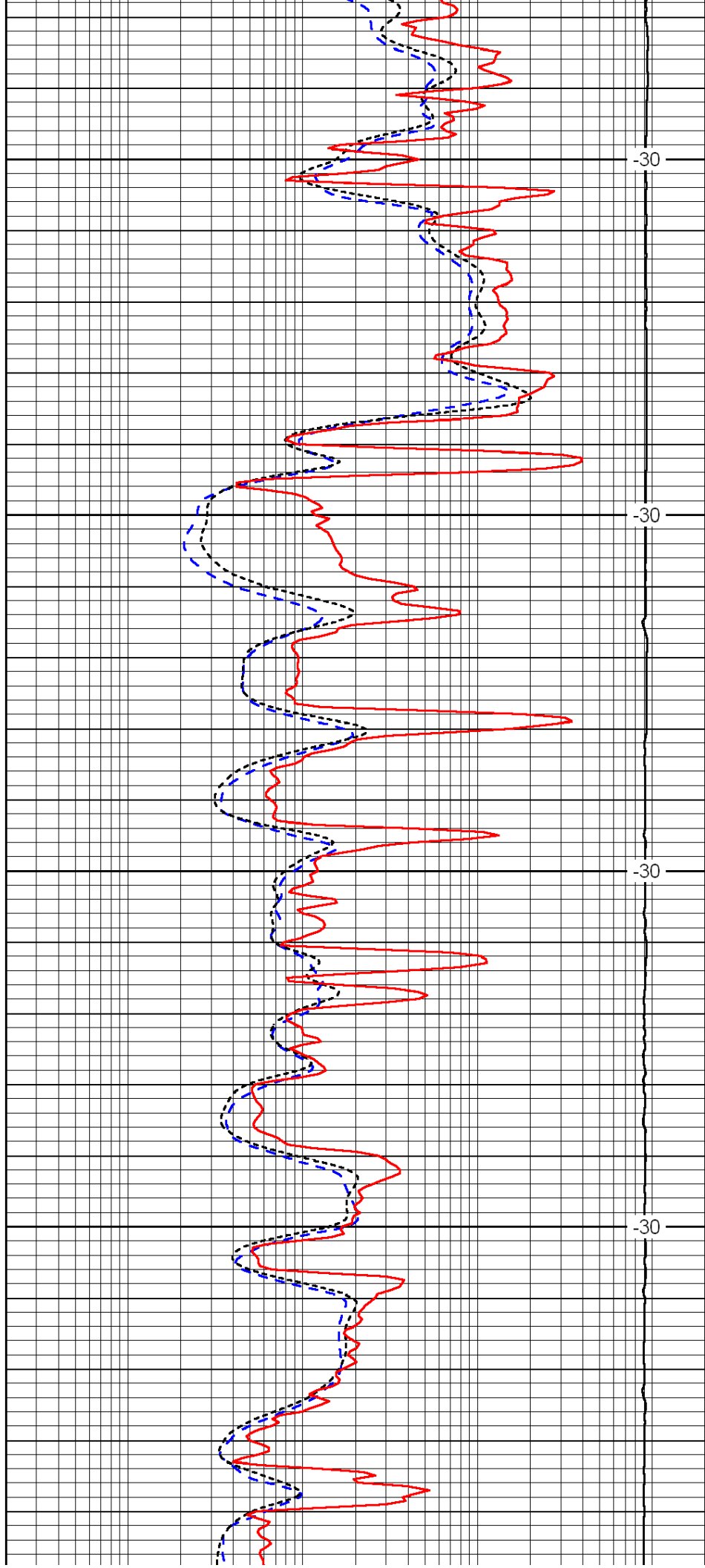


4300

4350

4400

4450

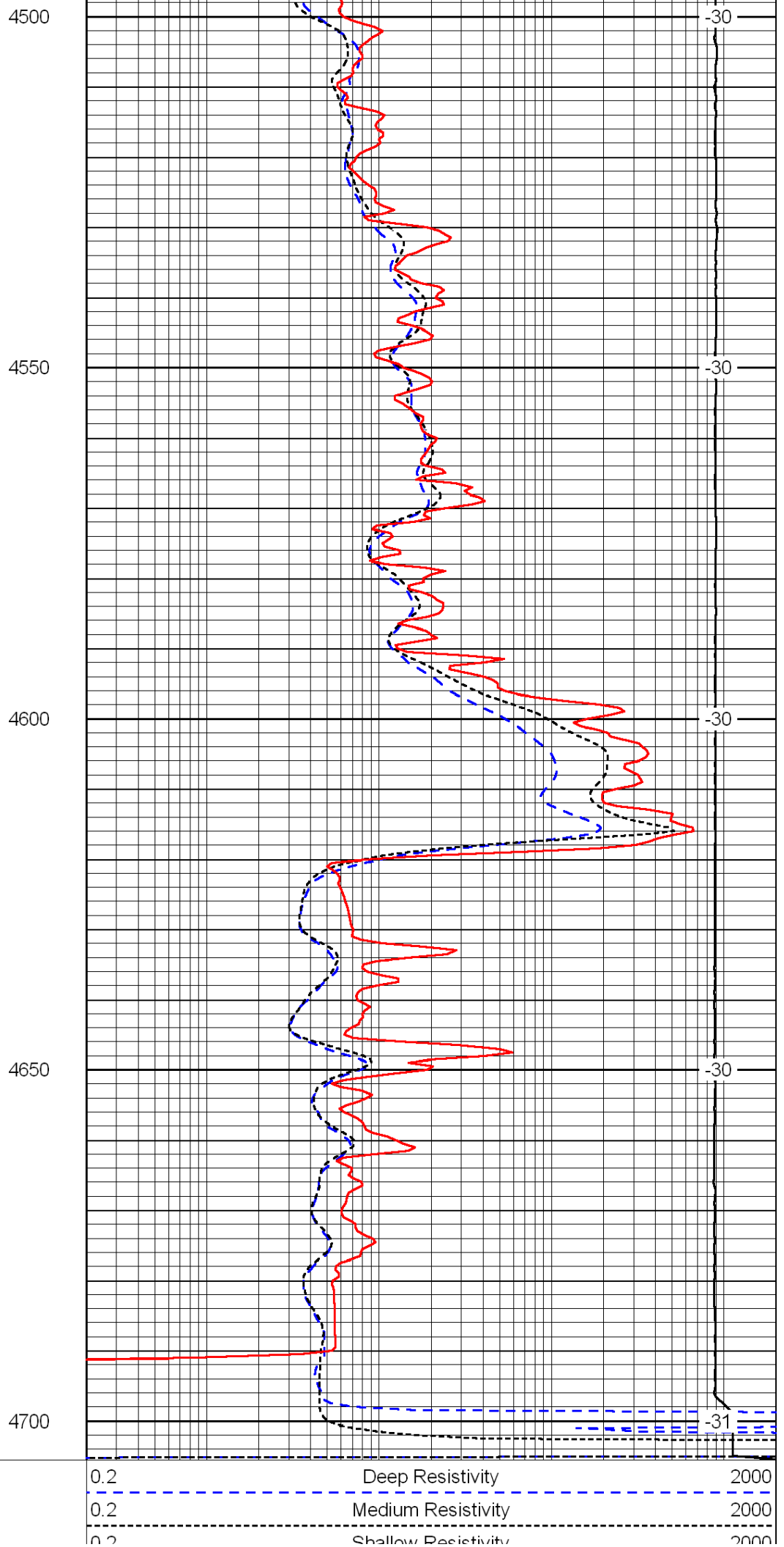
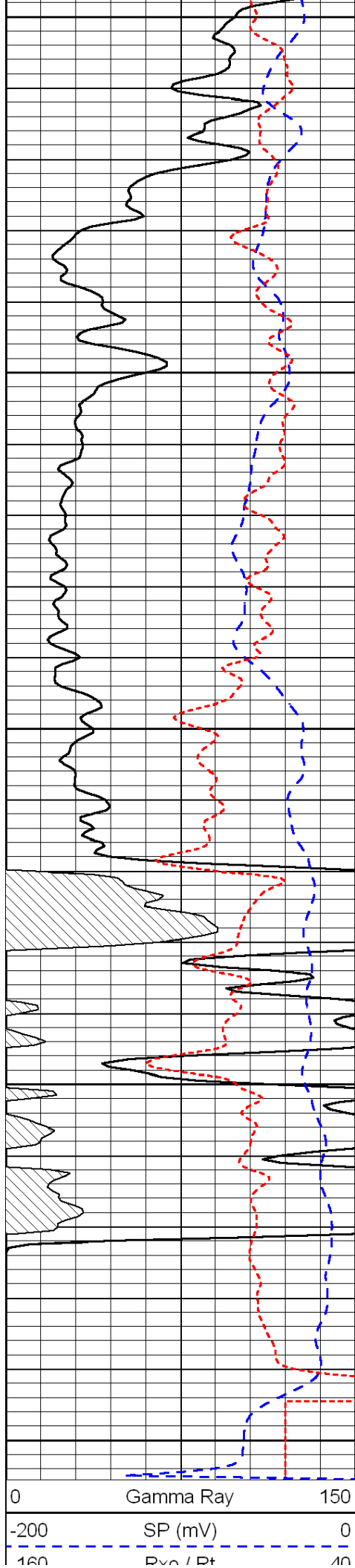


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-30



100 Rx0.1Kt 40

|       |                     |      |
|-------|---------------------|------|
| 0.2   | Shallow Resistivity | 2000 |
| 15000 | Line Tension        | 0    |
|       |                     | LSPD |