



DIGITAL LOG (785) 625-3858

## Dual Induction Log

Company **Chieftain Oil Company, Inc.**

Well **Sally No.3**

Field **Schupbach Southwest**

County **Barber** State **Kansas**

Location

**SE NW NW SE  
2300' FSL & 2300' FEL**

Sec: **4** Twp: **34 S** Rge: **11 W**

Other Services  
CNL/CDL

Elevation

K.B. 1383  
D.F. 1375  
G.L. 1375

15-007-23,863-00-00

Permanent Datum Ground Level Elevation 1375  
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum  
Drilling Measured From Kelly Bushing

Date 4/19/2012

Run Number One

Depth Driller 5147

Depth Logger 5153

Bottom Logged Interval 5152

Top Log Interval 300

Casing Driller 8.625 @ 338

Casing Logger 339

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 5300

Density / Viscosity 9.4 61

pH / Fluid Loss 9.0 8.0

Source of Sample Flowline

Rm @ Meas. Temp .50 @ 78

Rmf @ Meas. Temp .38 @ 78

Rmc @ Meas. Temp .68 @ 78

Source of Rmf / Rmc Charts

Rm @ BHT .31 @ 127

Operating Rig Time 3 Hours

Max Rec. Temp. F 127

Equipment Number 15

Location Hays

Recorded By D.Kerr

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

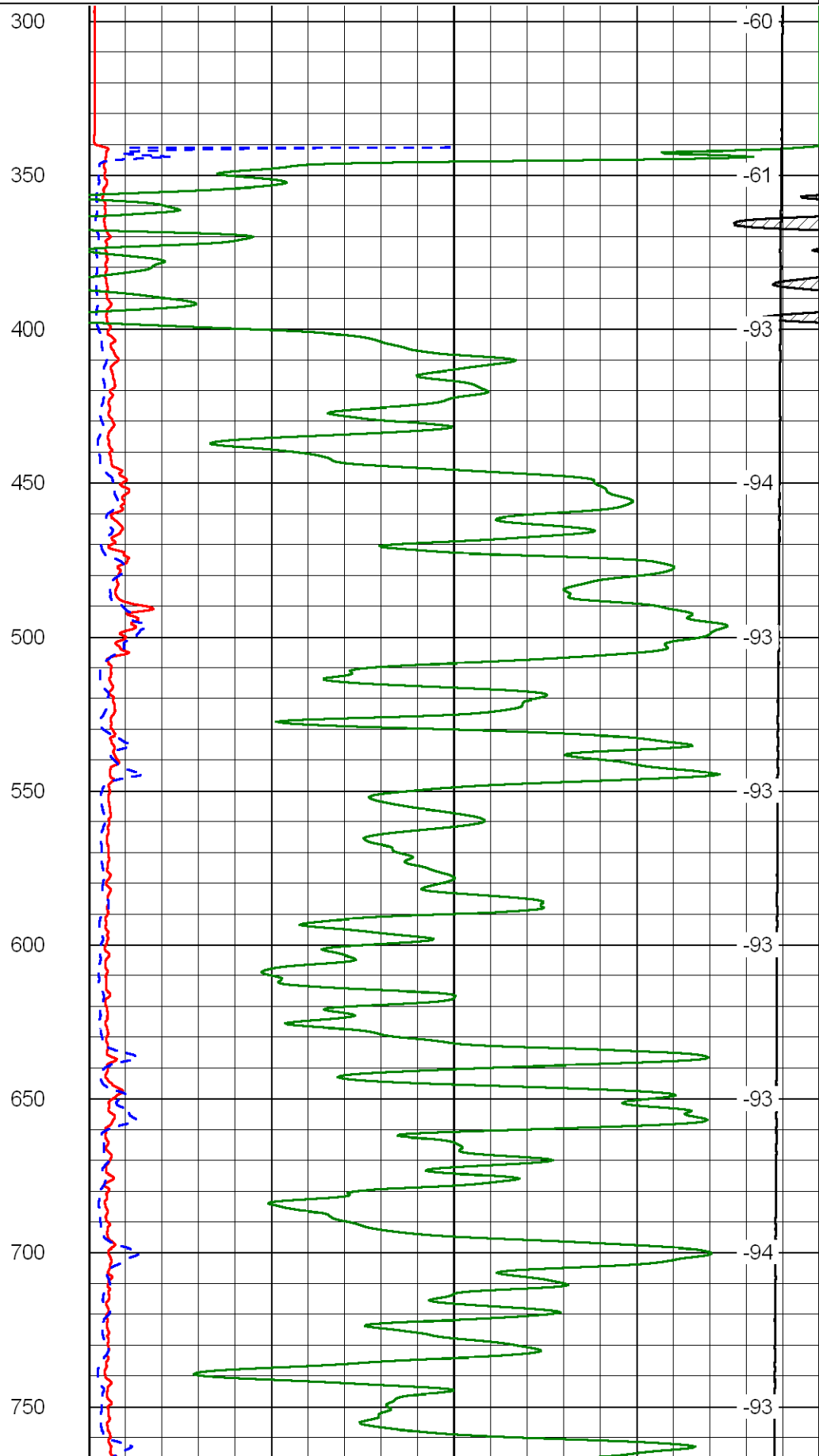
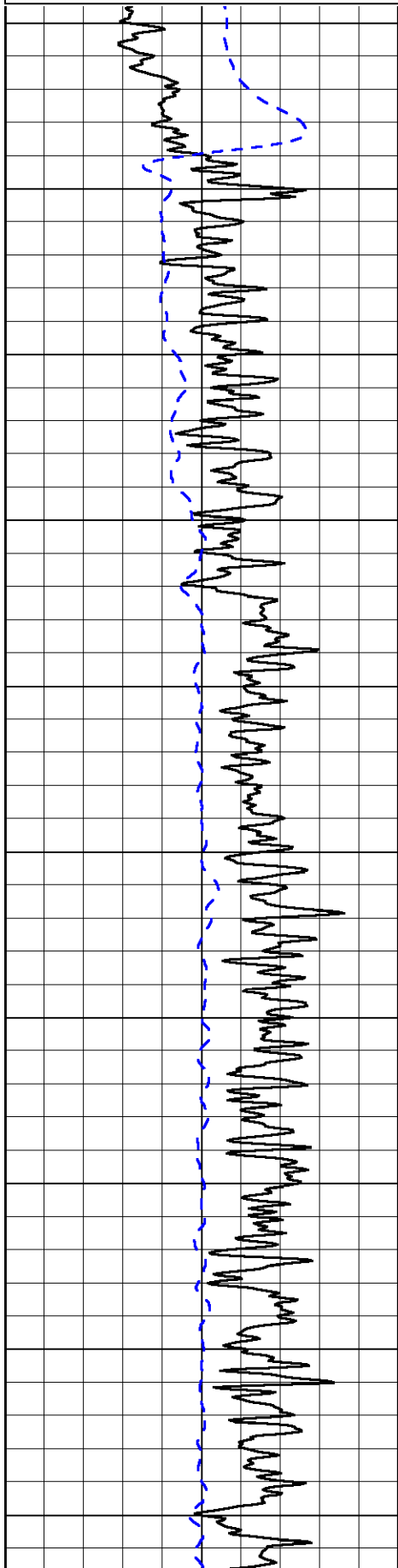
Thank you for using Log-Tech, Inc.  
(785) 625-3858  
Medicine Lodge KS,  
South to Gerlane RD,  
East to Newkrik,  
3 South, 1 1/2 East,  
North Into at Tank Batteries

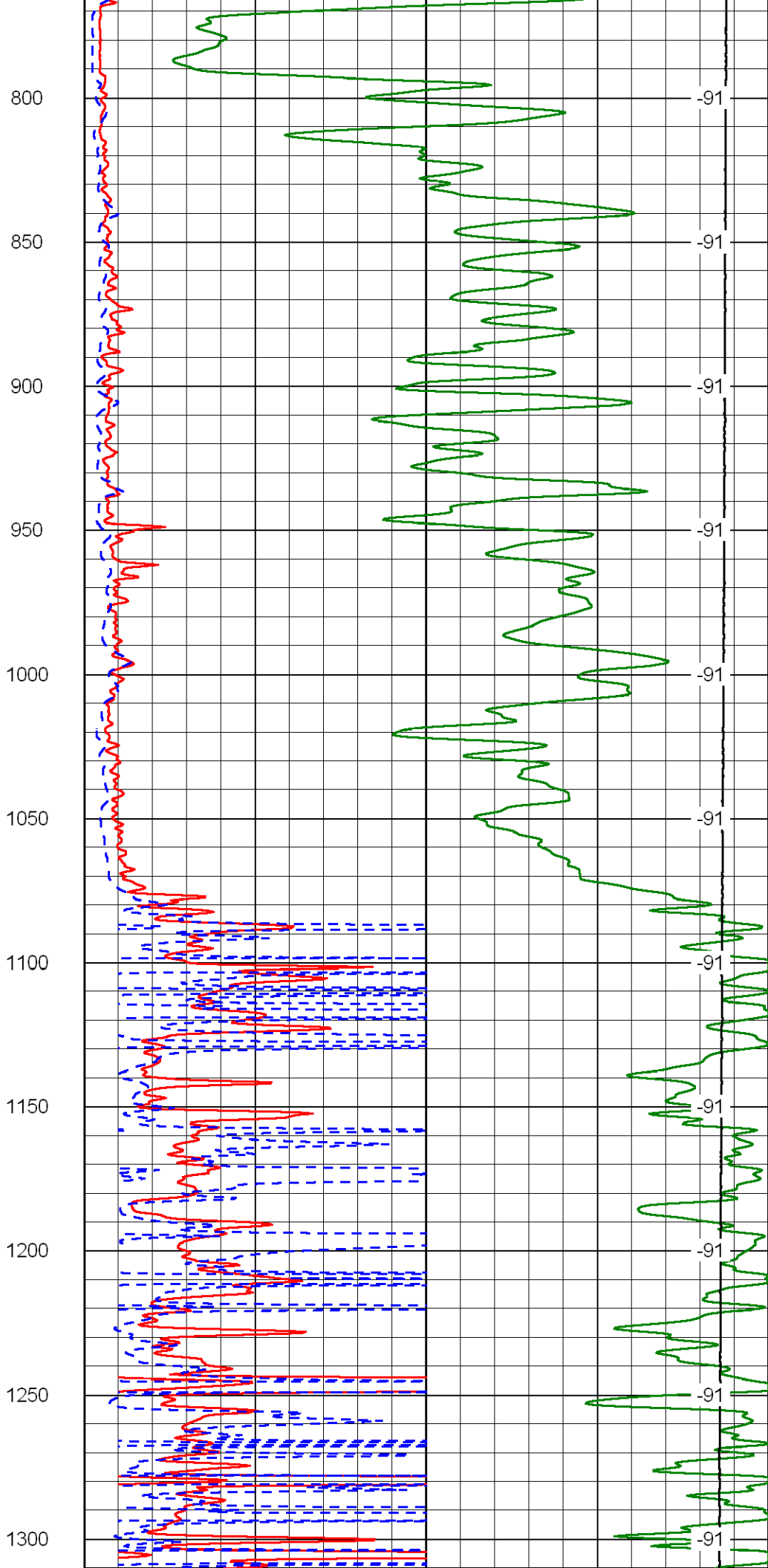
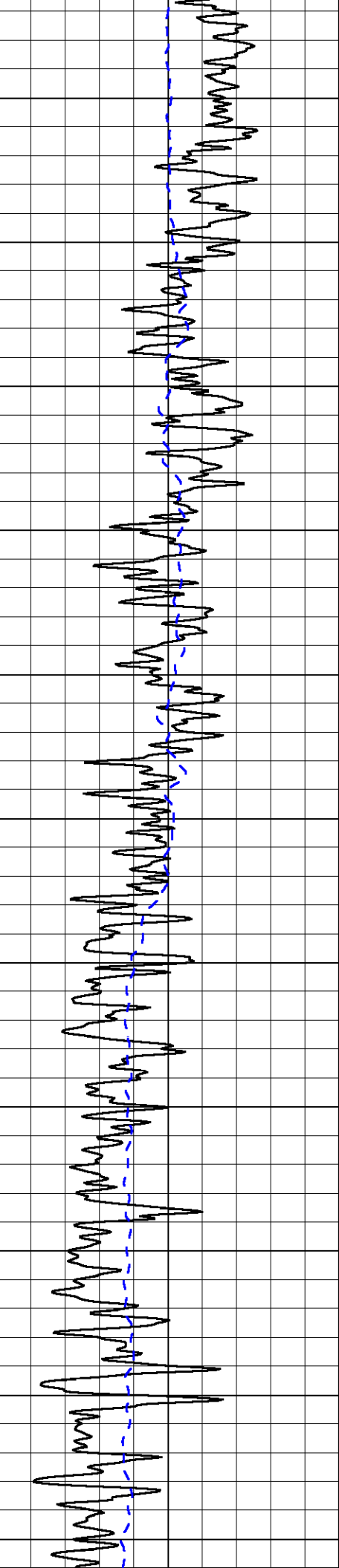
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Presentation Format: dil2in  
Dataset Creation: Fri Apr 20 01:02:43 2012  
Charted by: Depth in Feet scaled 1:600

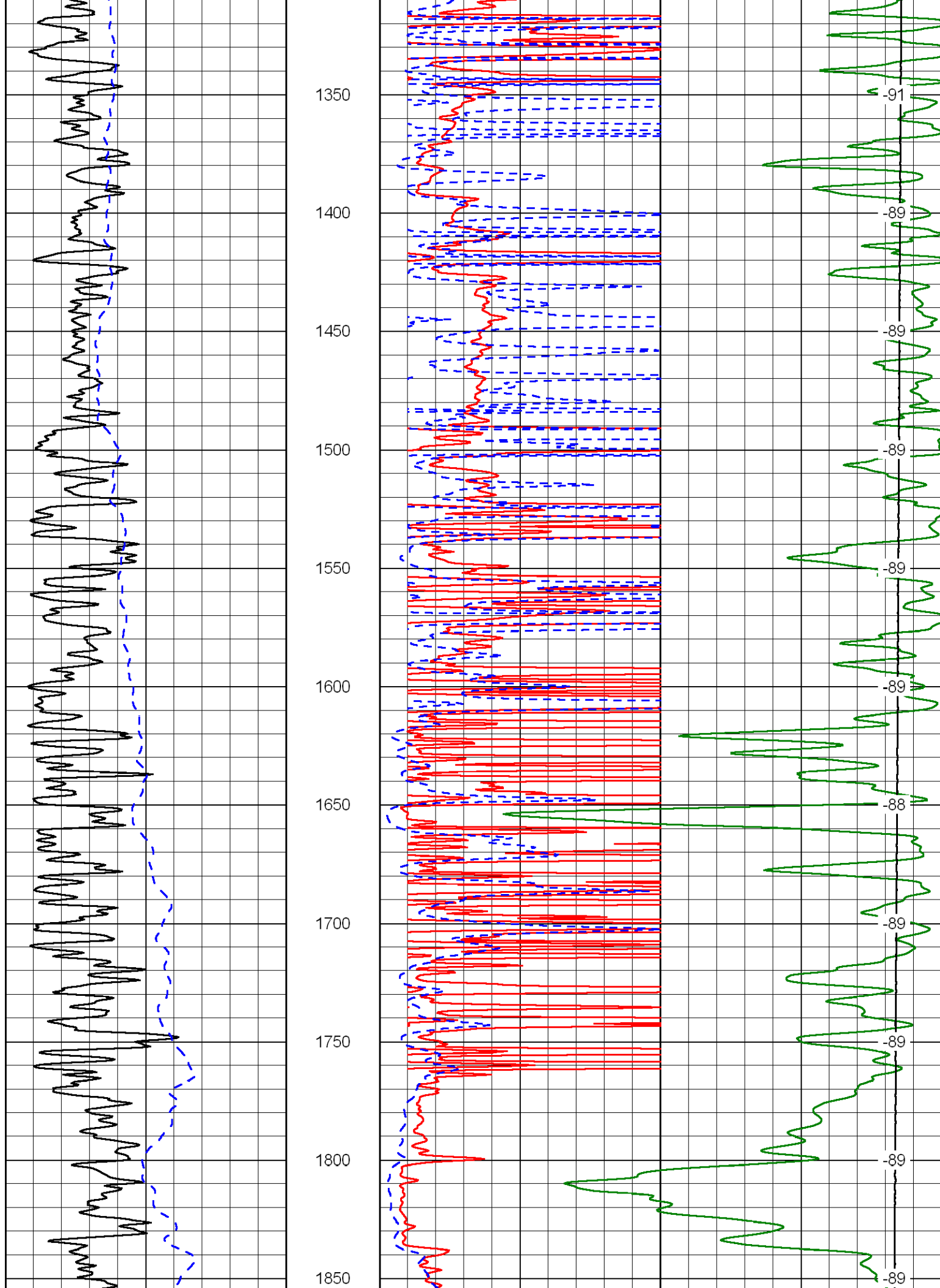
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| 0    | Gamma Ray | 150 |
| -200 | SP        | 0   |

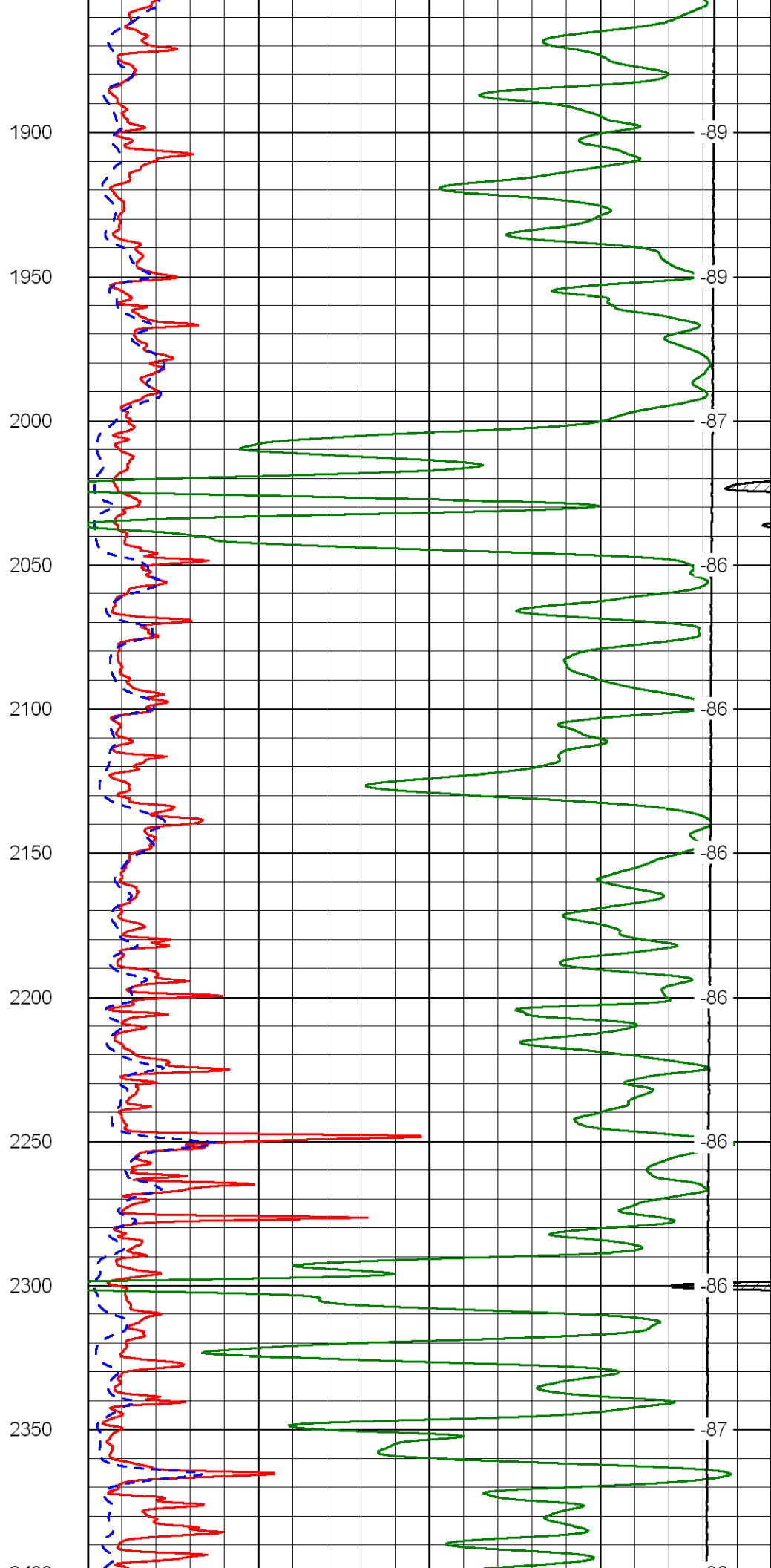
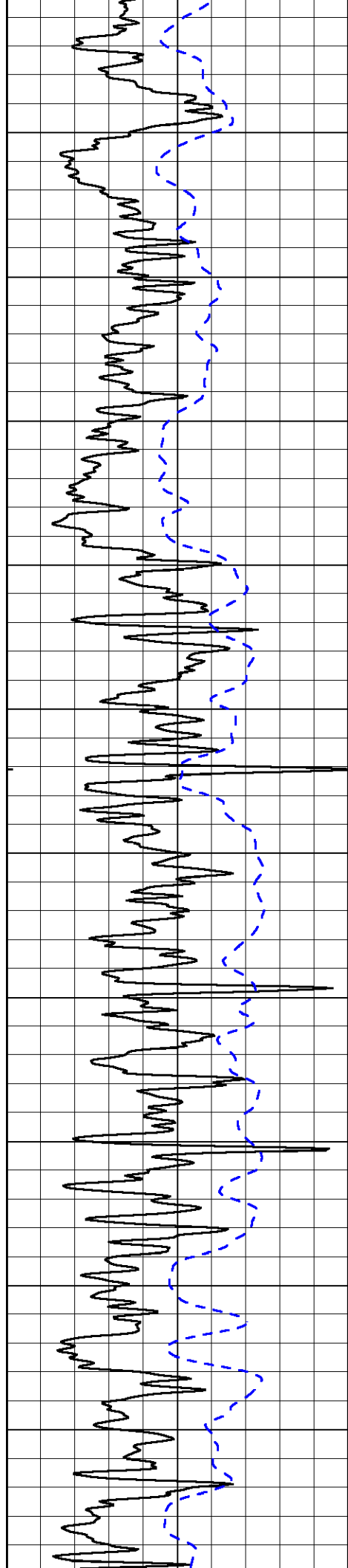
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|-------|---------------------|-----|
| 0     | Shallow Resistivity | 50  |
| 0     | Deep Resistivity    | 50  |
| 1000  | Conductivity        | 0   |
| 15000 | Line Tension        | 0   |
| 50    | Shallow Resistivity | 500 |
| 50    | Deep Resistivity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

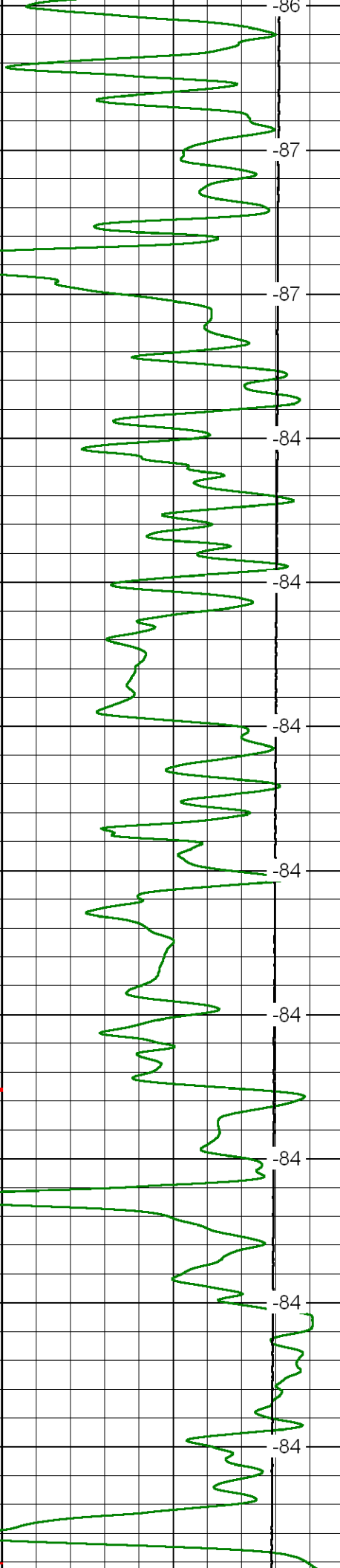
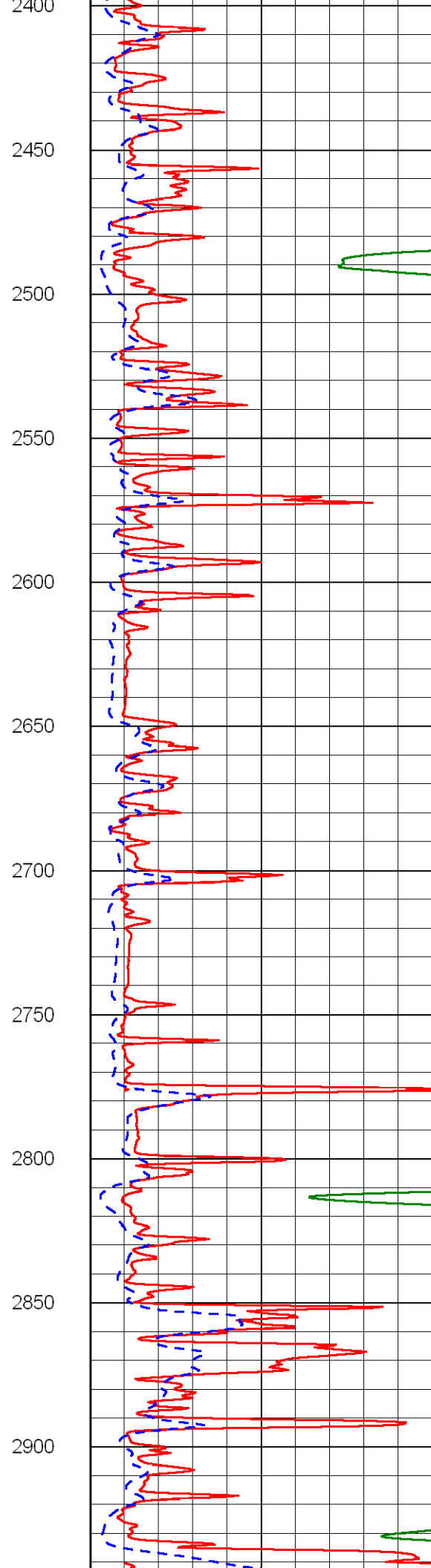
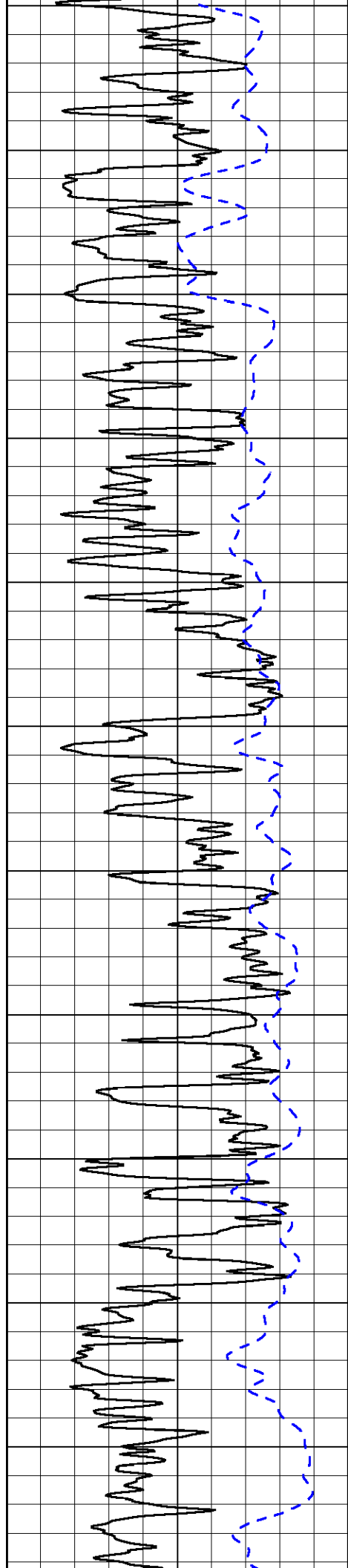
LSPD

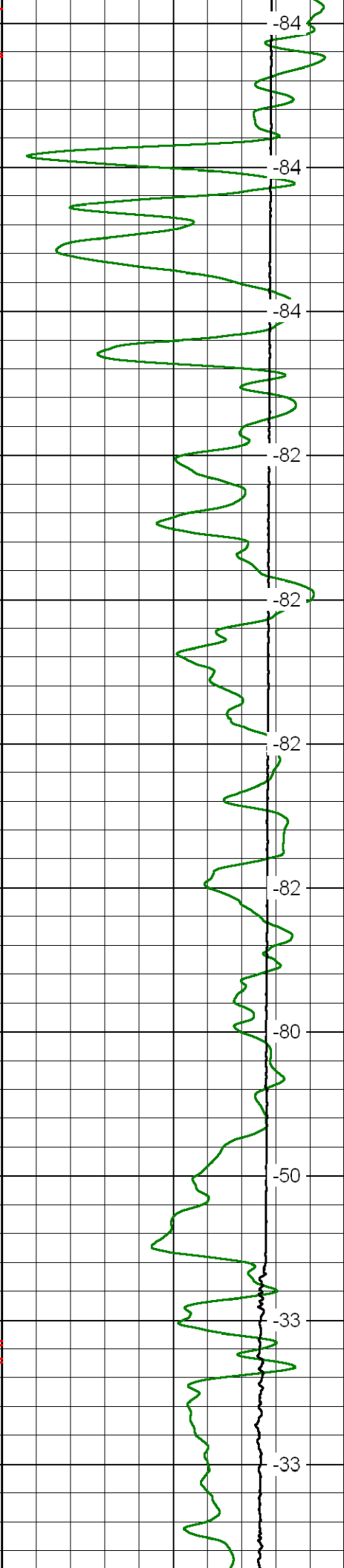
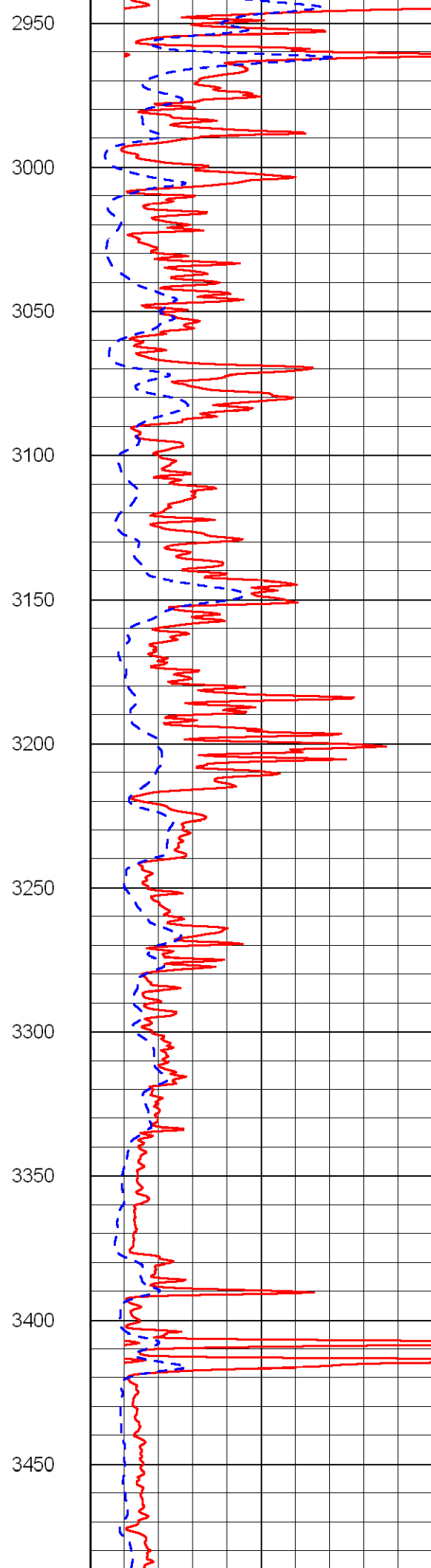
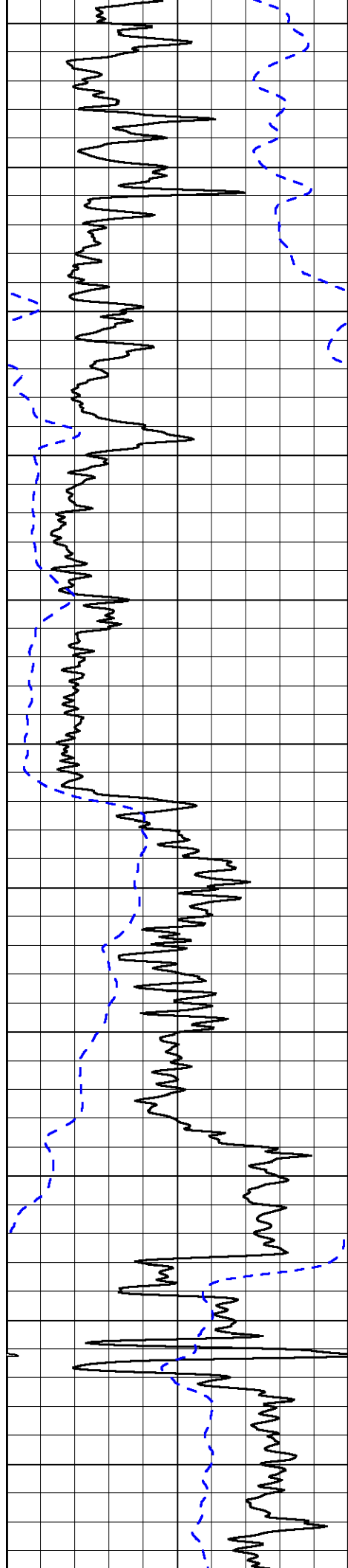


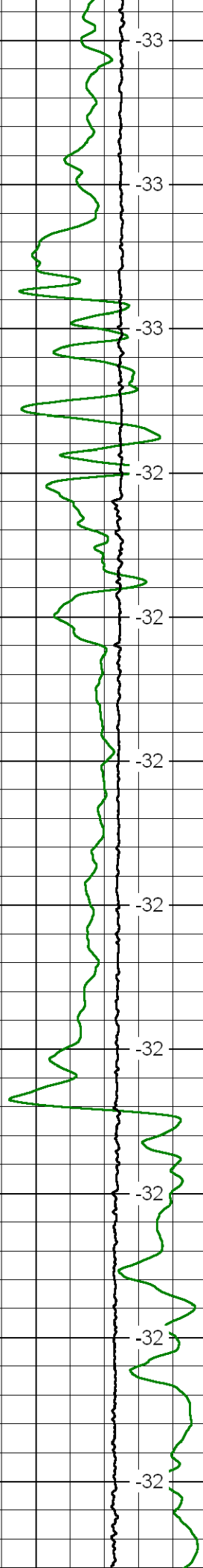
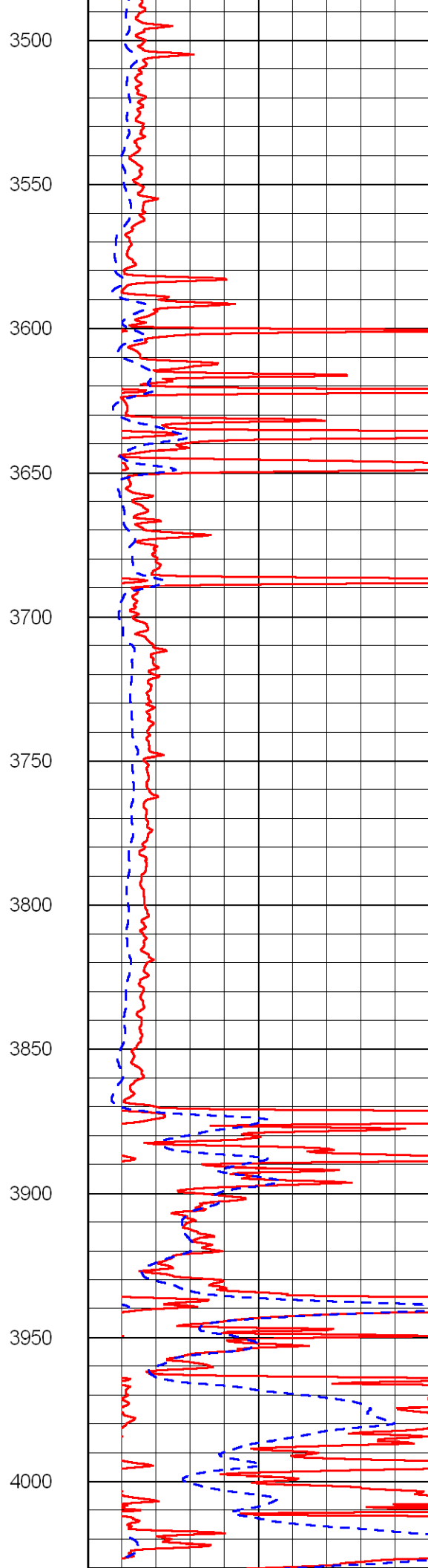
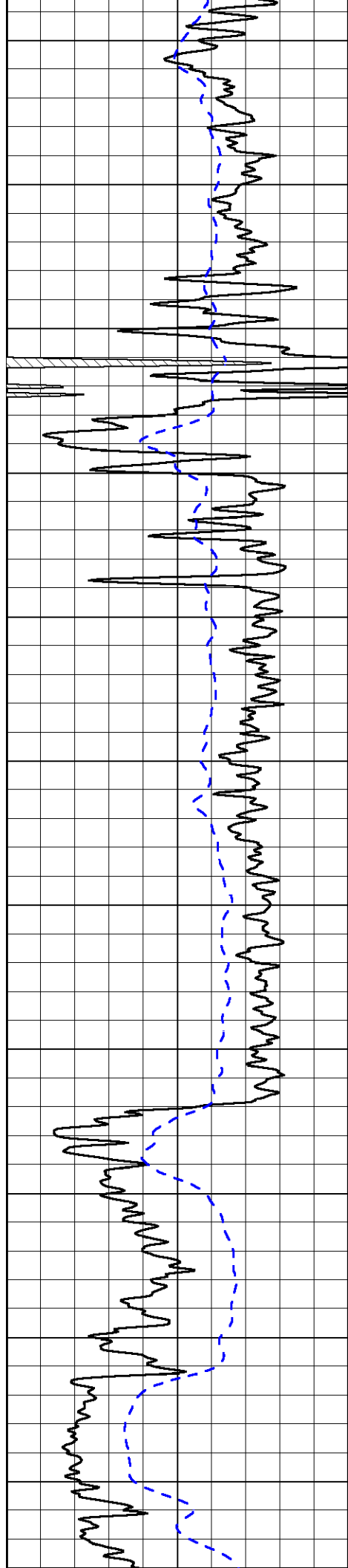


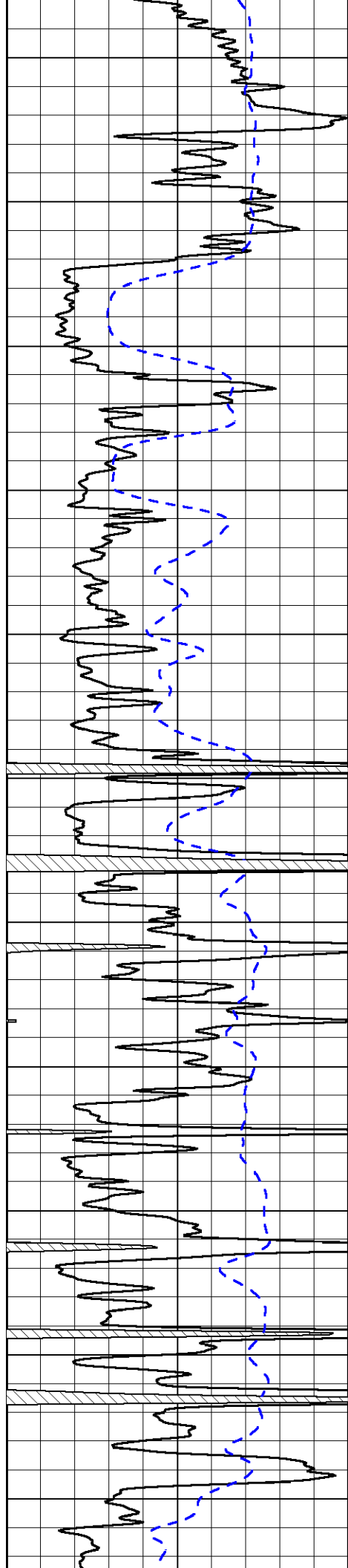












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4100

4150

4200

4250

4300

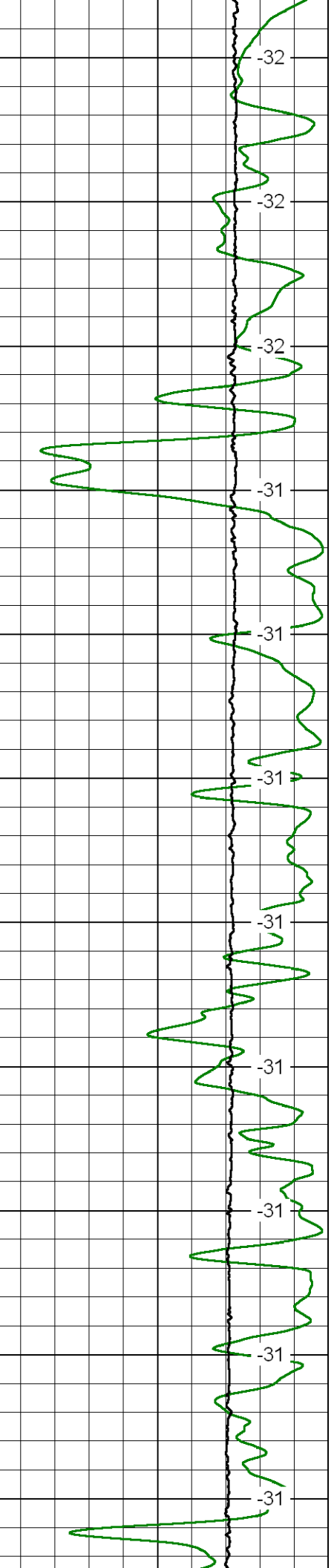
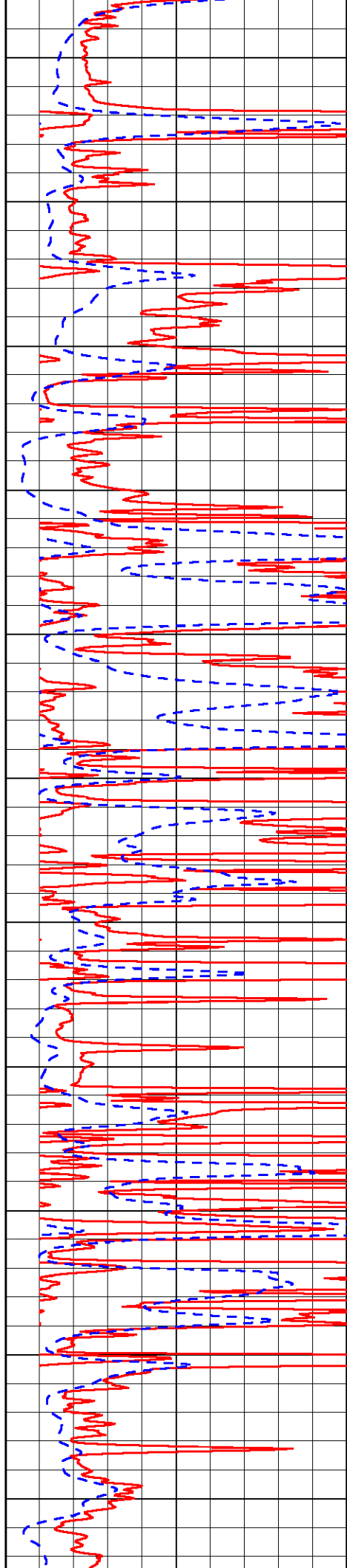
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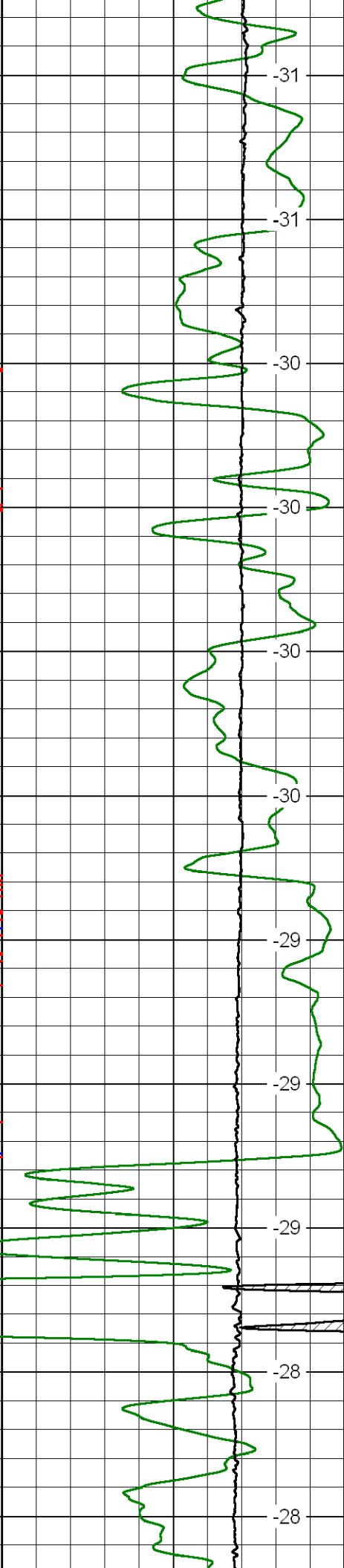
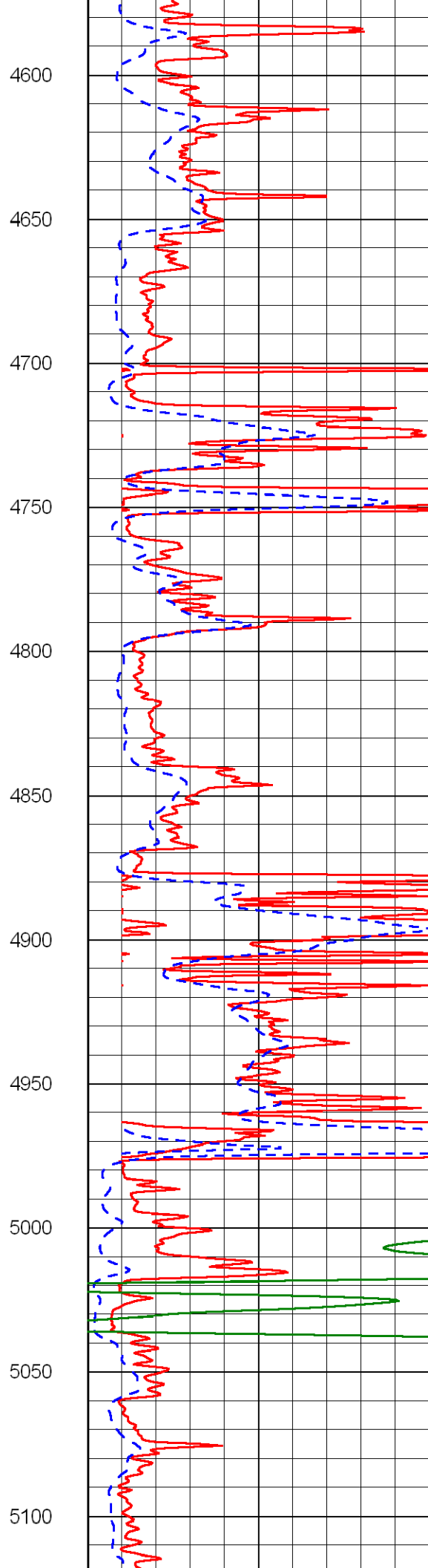
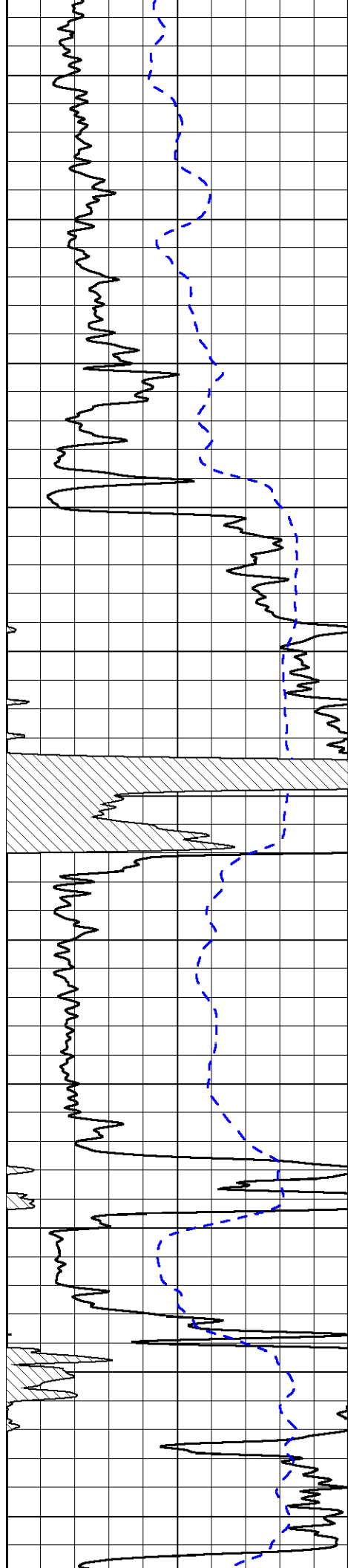
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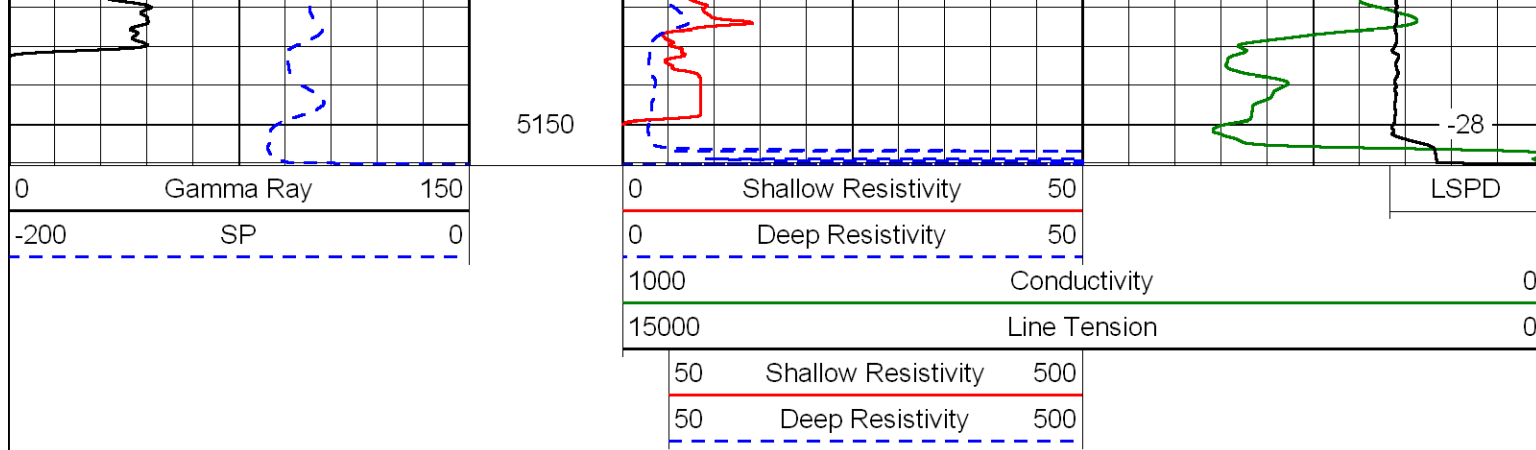
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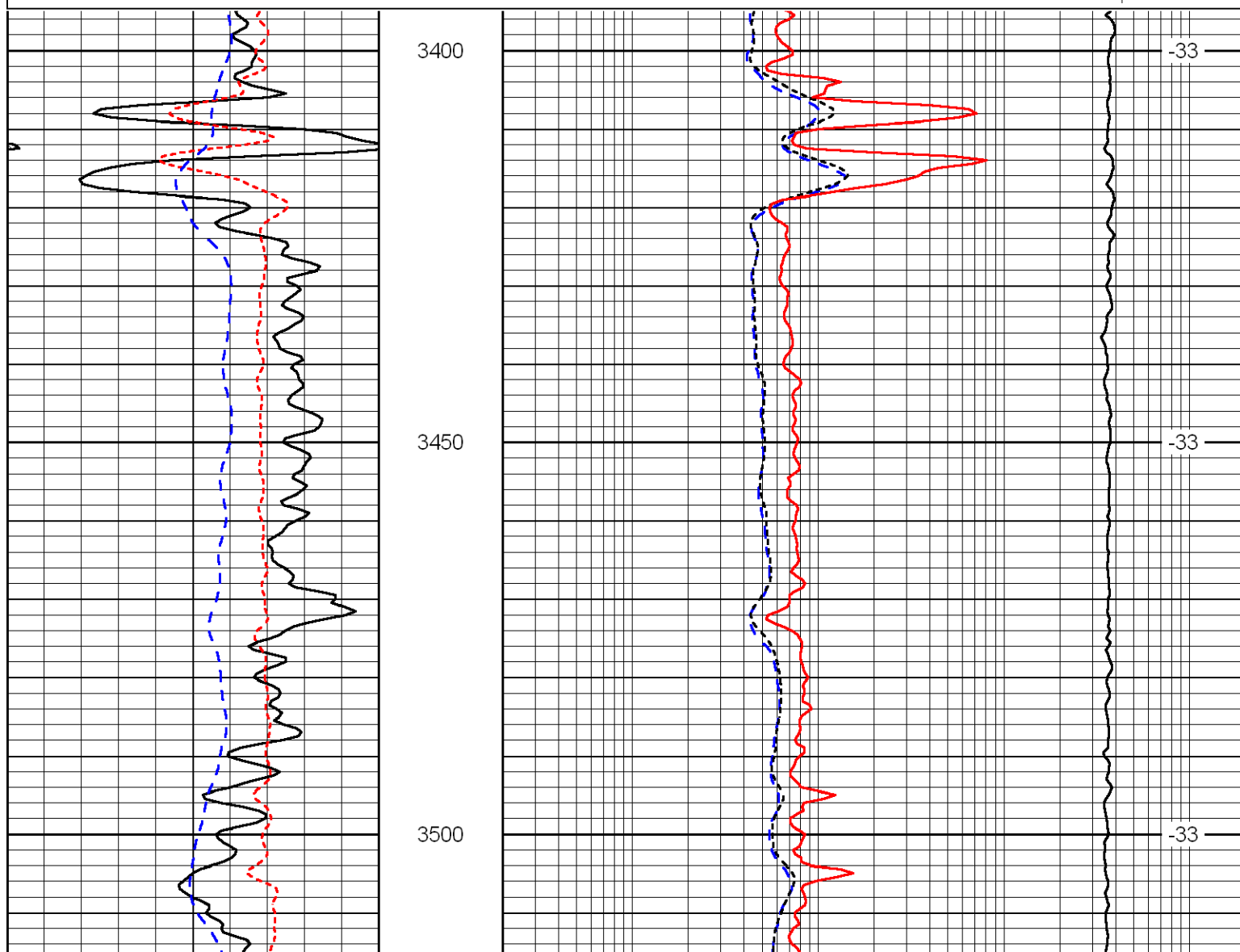
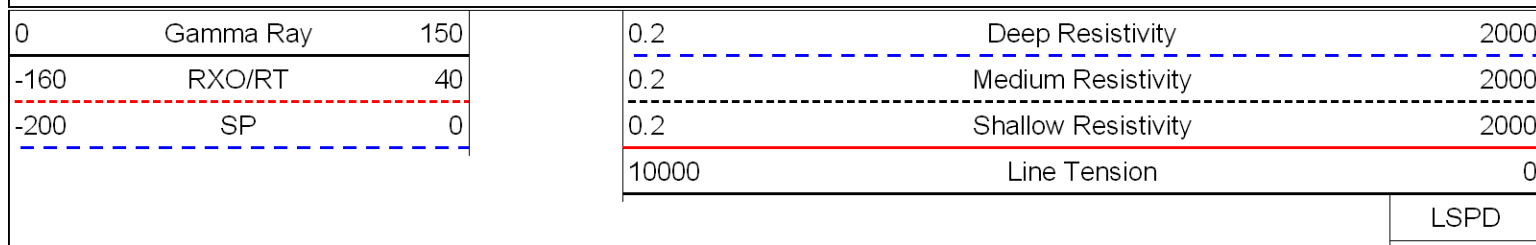
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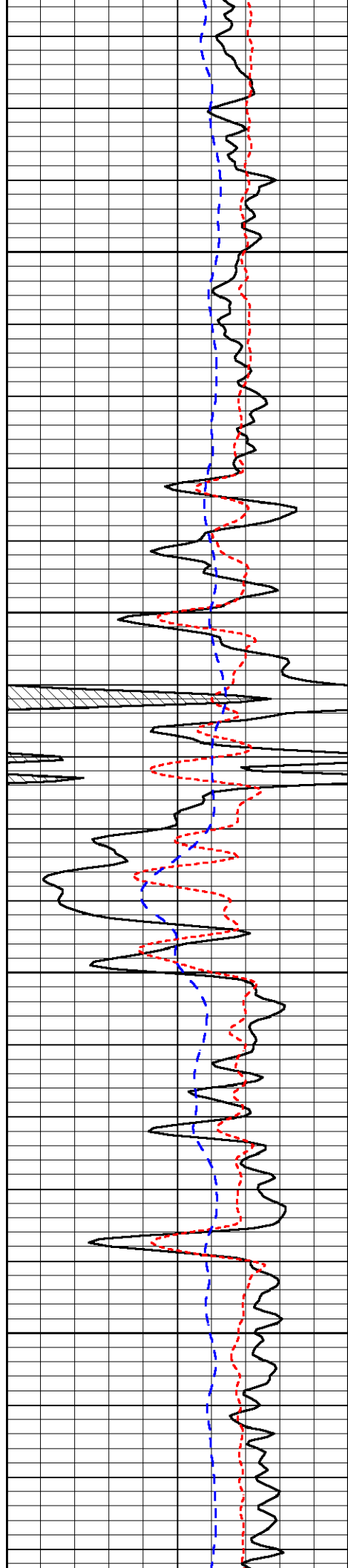
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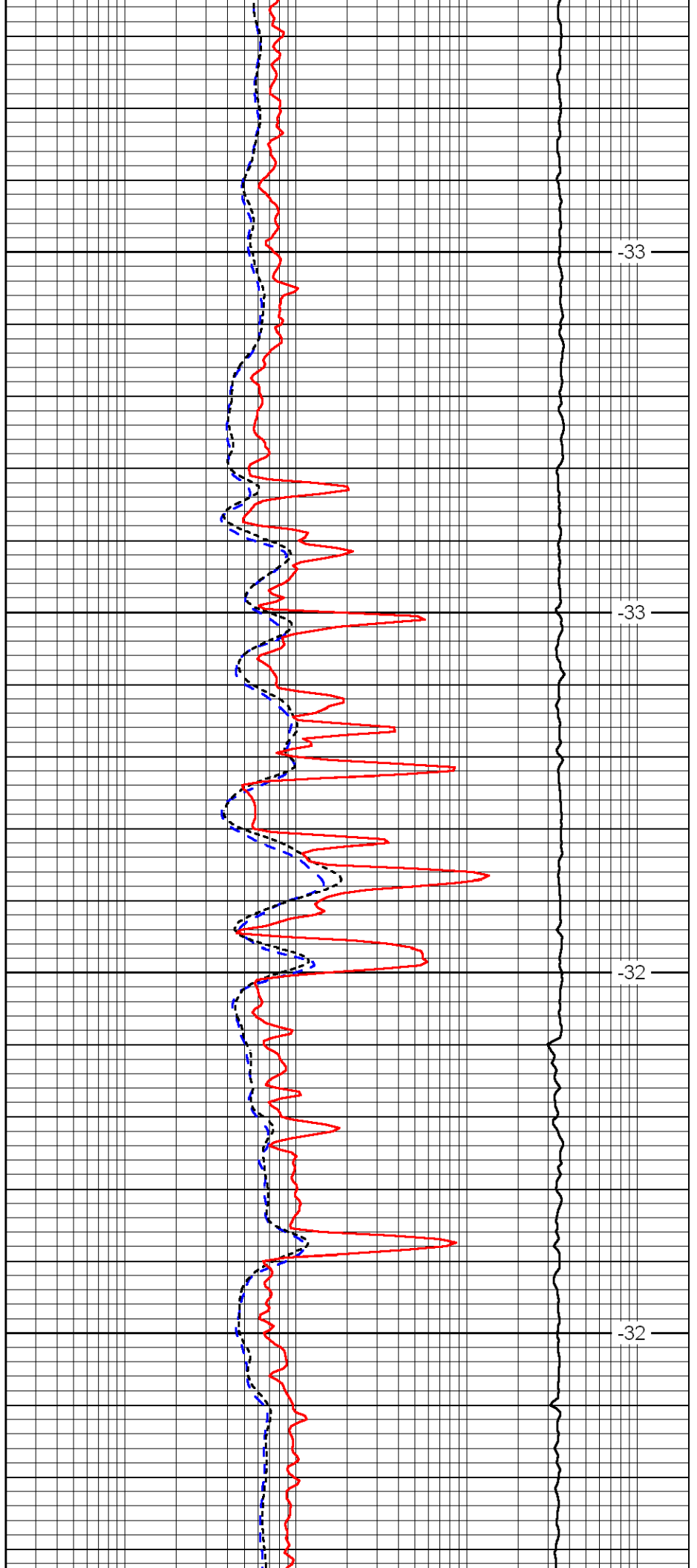


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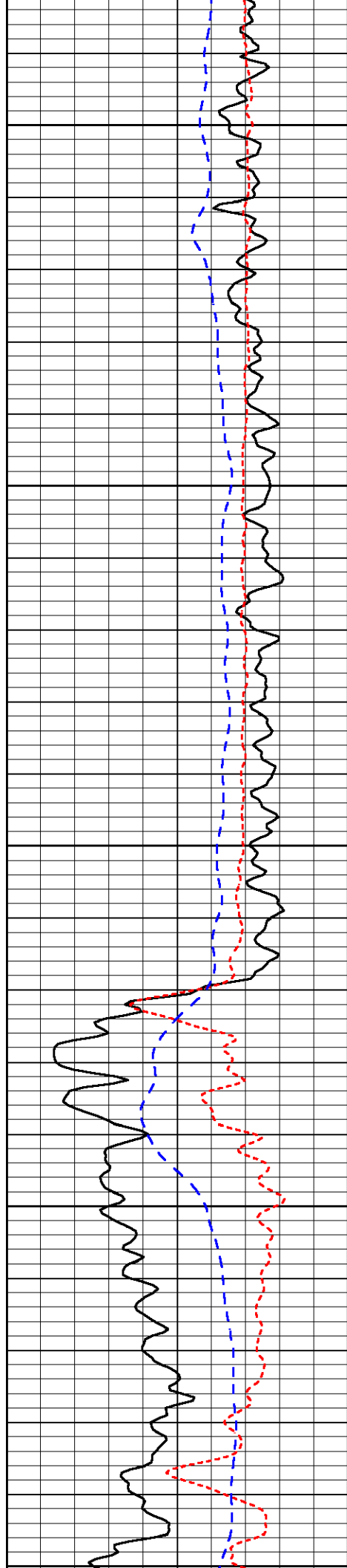


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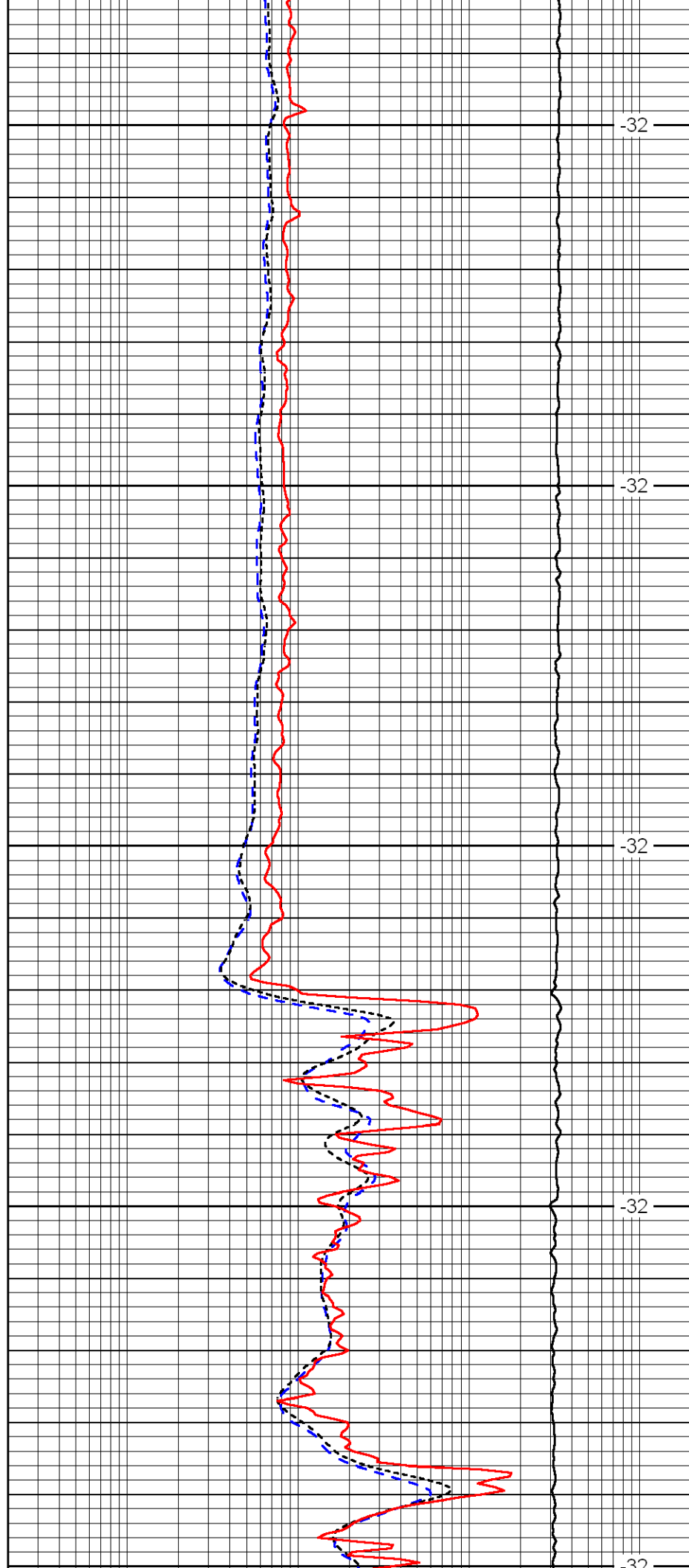
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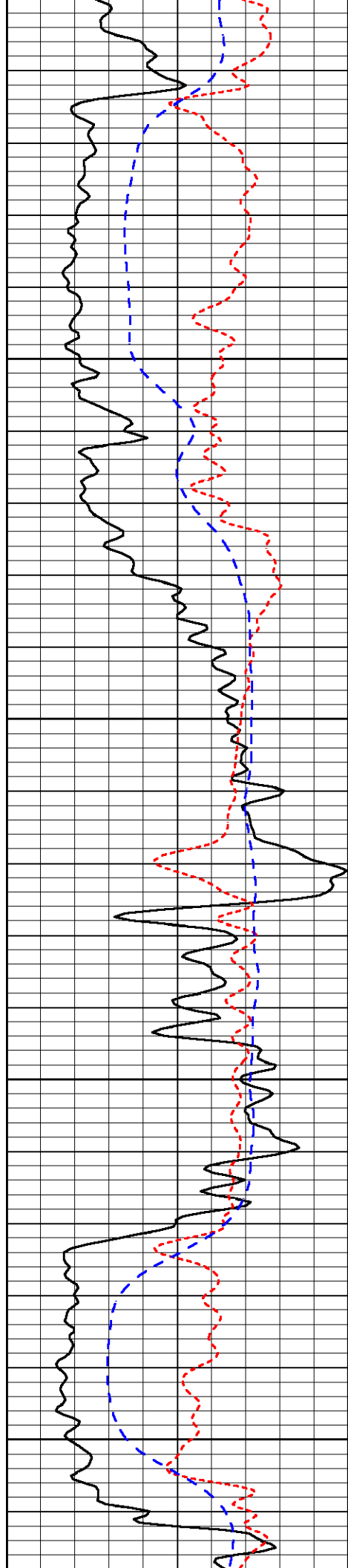
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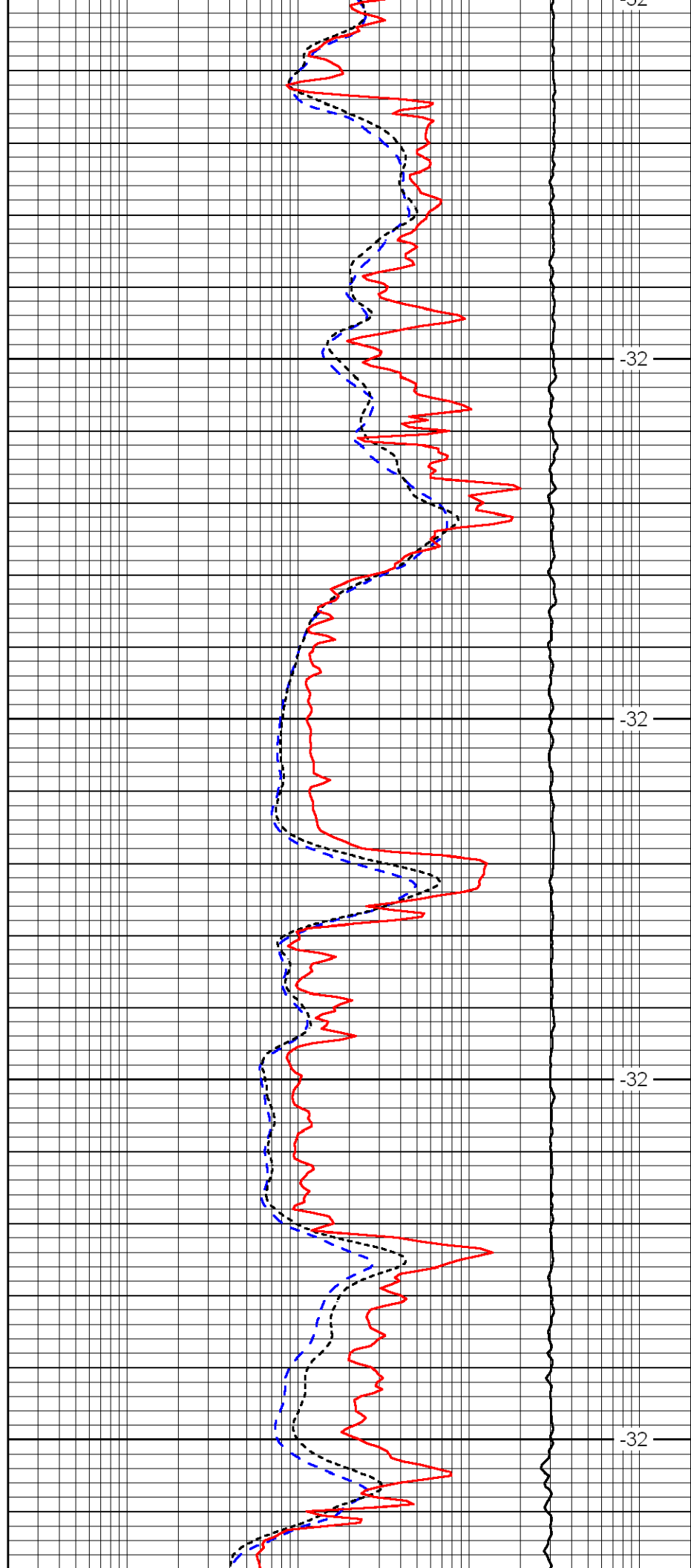


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4150

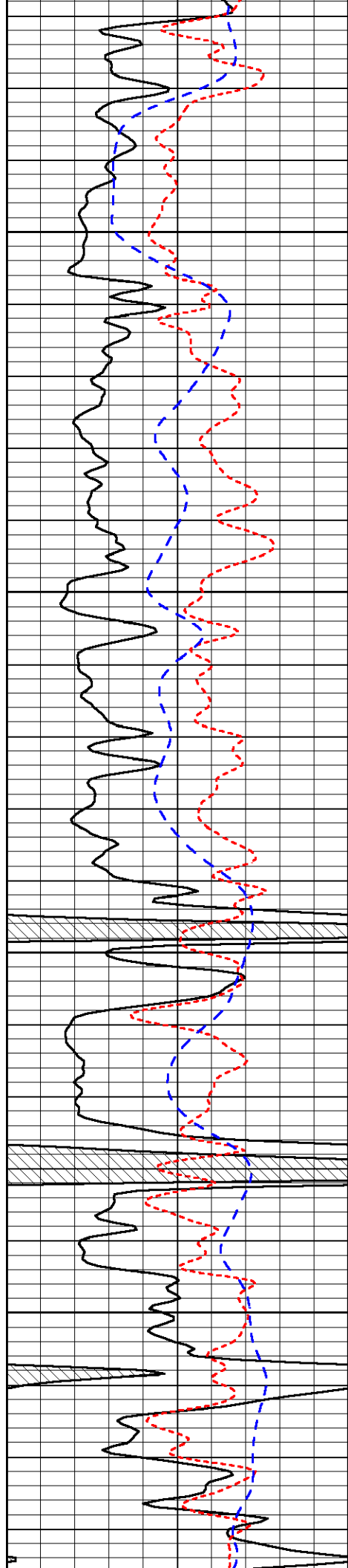


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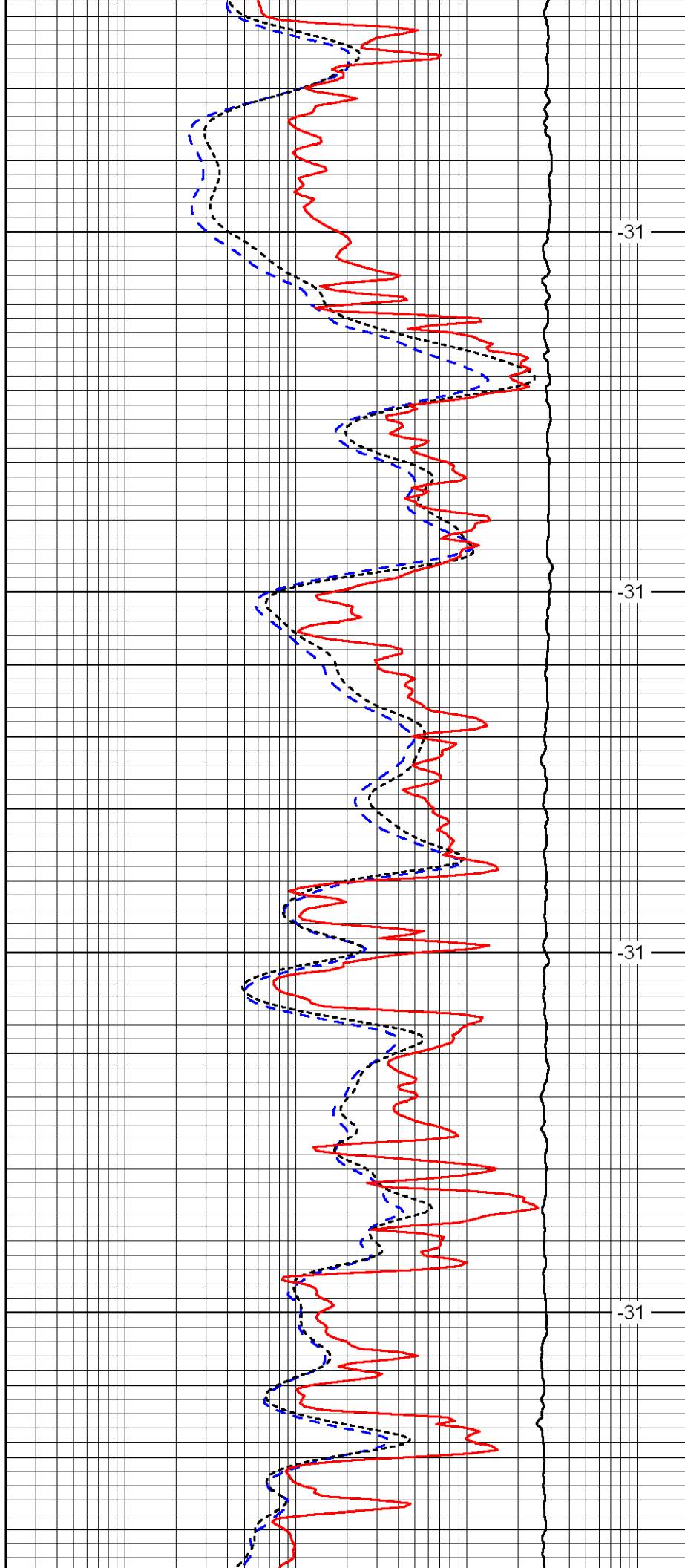


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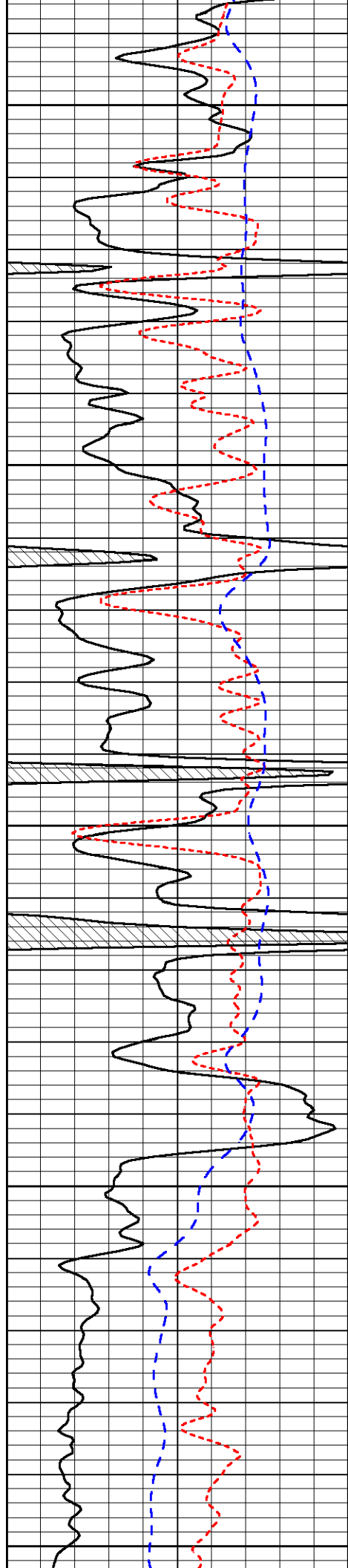


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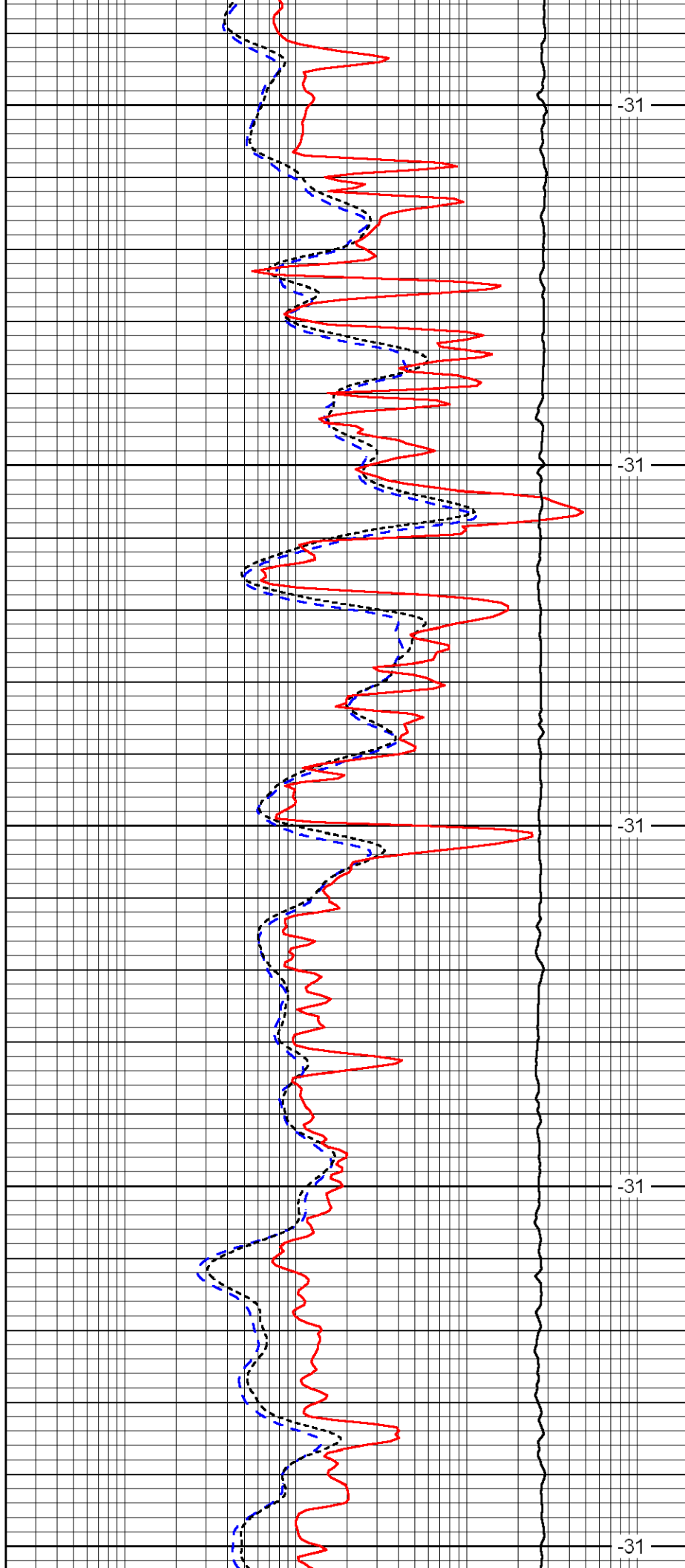
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4600



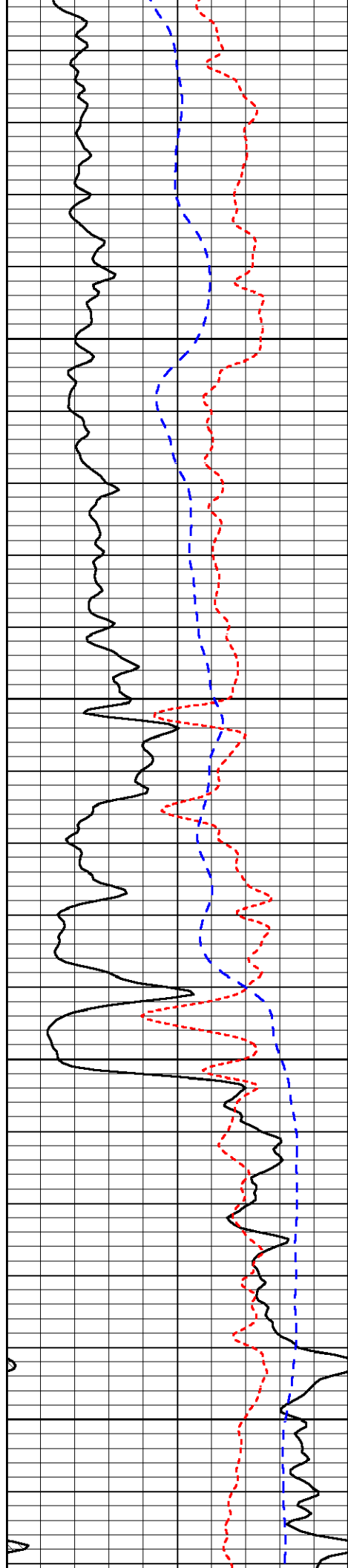
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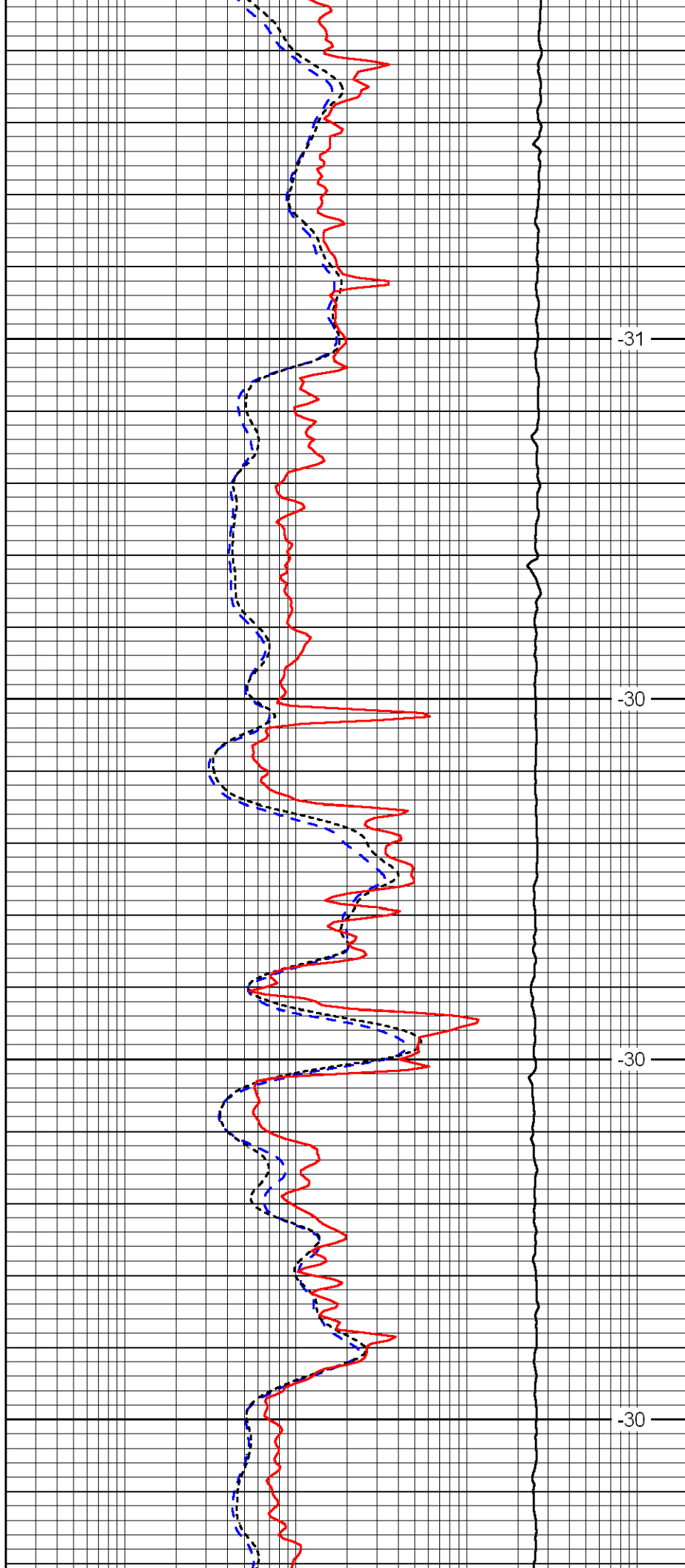


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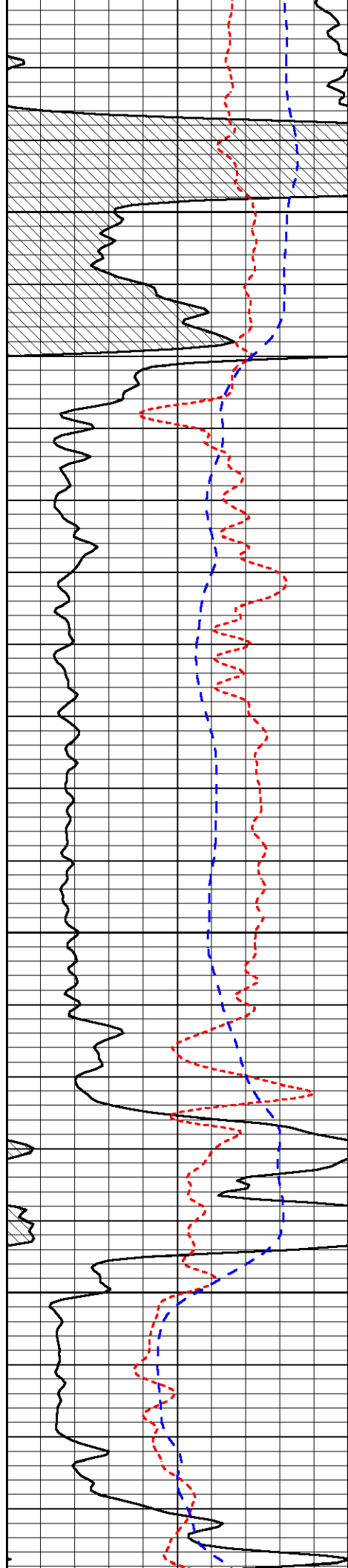


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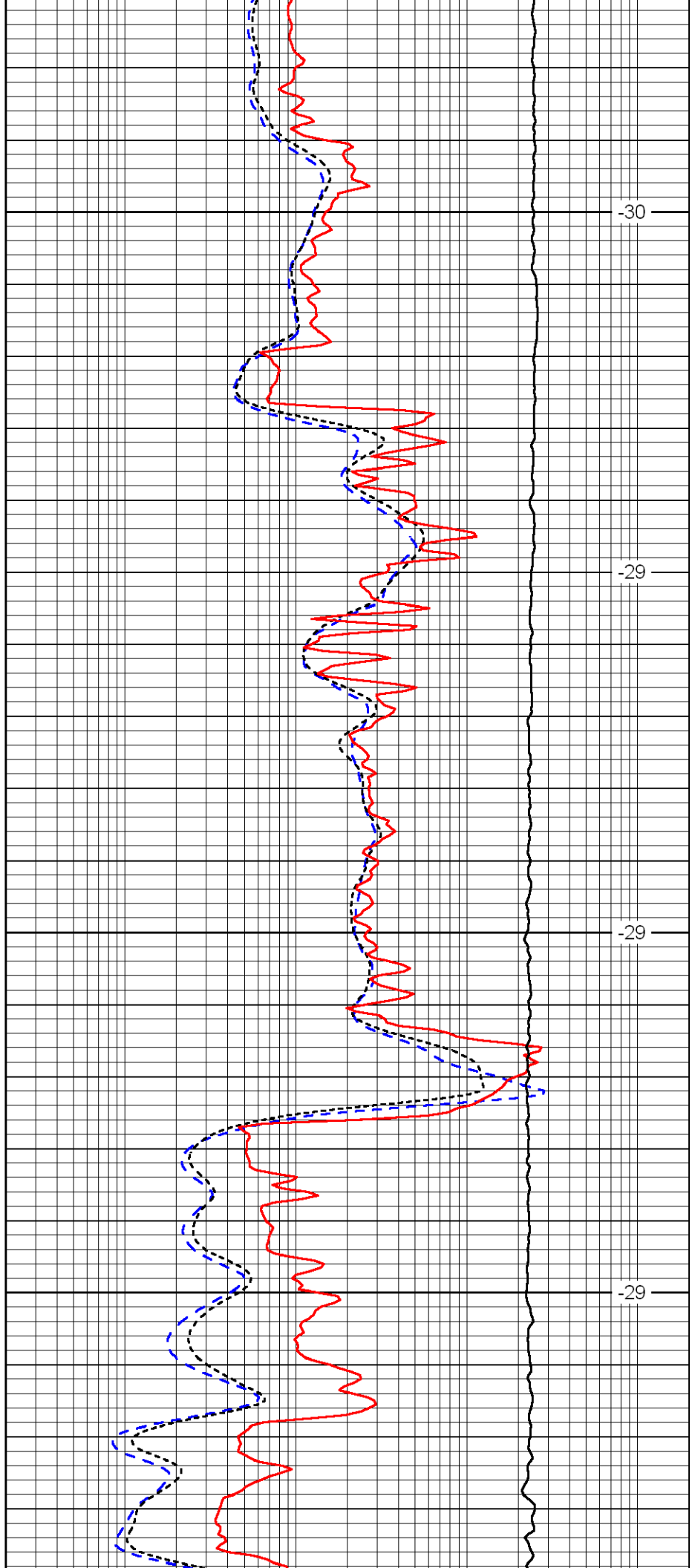


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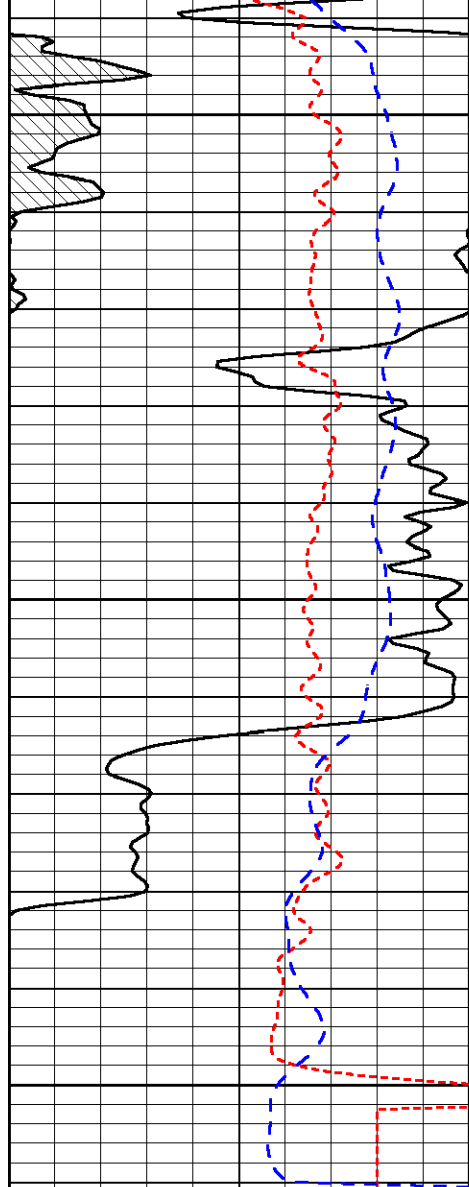


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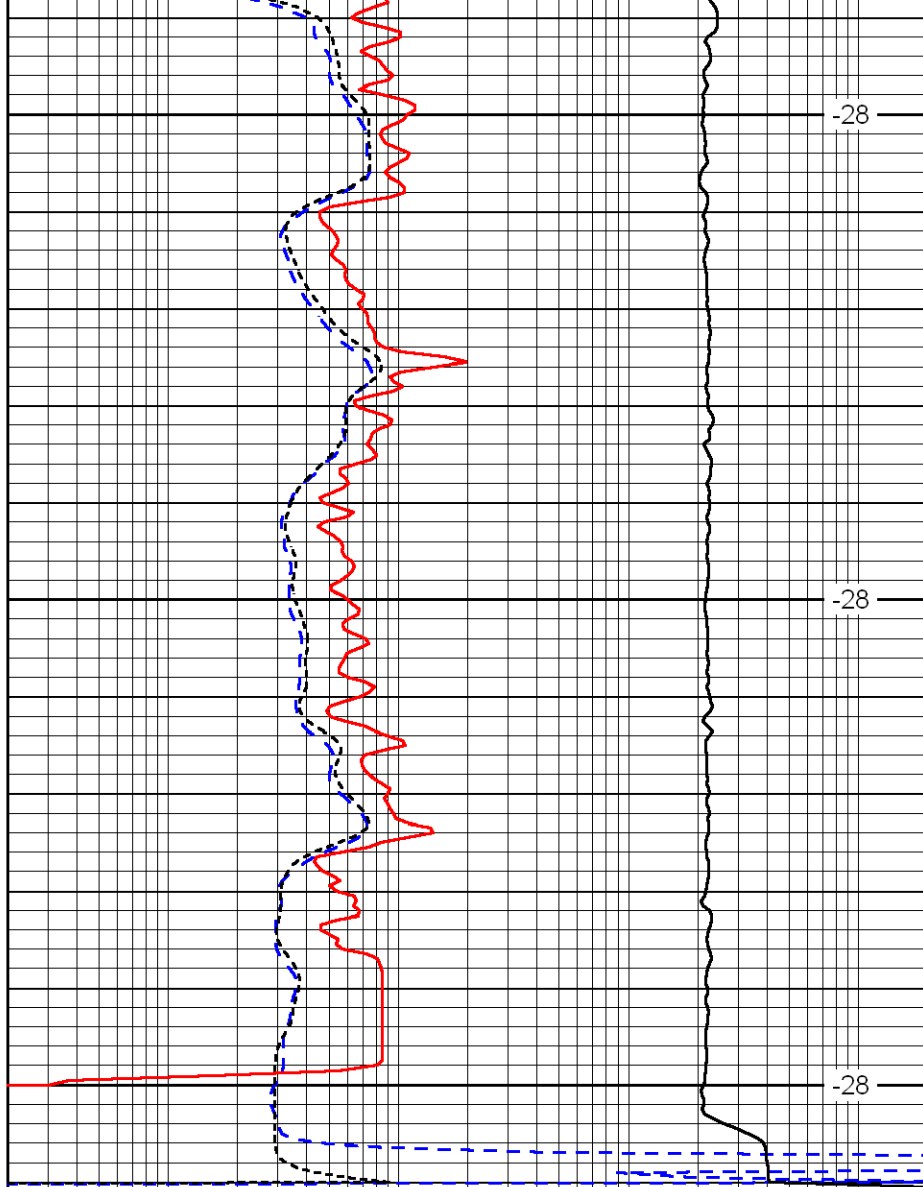


5050

5100

5150

|      |           |     |
|------|-----------|-----|
| 0    | Gamma Ray | 150 |
| -160 | RXO/RT    | 40  |
| -200 | SP        | 0   |



-28

-28

-28

|       |                     |      |
|-------|---------------------|------|
| 0.2   | Deep Resistivity    | 2000 |
| 0.2   | Medium Resistivity  | 2000 |
| 0.2   | Shallow Resistivity | 2000 |
| 10000 | Line Tension        | 0    |

LSPD