

# LOG-TECH



## Dual Induction Log

DIGITAL LOG

(785) 625-3858

API No.

15-145-21,578-00-00

Company F.G. Holl Company, LLC

Well Ward Feed Yard 'B' No. 2-30

Field JAC

County Pawnee

State

Kansas

Location

SW - SW - NE - NE  
1260' FNL & 1100' FEL

Sec: 30

Twp: 21 S

Rge: 15 W

Elevation

Permanent Datum Ground Level Elevation 1959  
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum  
Drilling Measured From Kelly Bushing

Other Services  
CNL/CDL  
MEL/BHCS  
K.B. 1967  
D.F. 1959  
G.L. 1959

Date 10/21/2008

Run Number One

Depth Driller 4050

Depth Logger 4052

Bottom Logged Interval 4051

Top Log Interval 0

Casing Driller 8.625 @ 948

Casing Logger

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 10,000

Density / Viscosity 9.1 48

pH / Fluid Loss 12.0 10.4

Source of Sample Flowline

Rm @ Meas. Temp 0.40 @ 65

Rmf @ Meas. Temp 0.30 @ 65

Rmc @ Meas. Temp 0.54 @ 65

Source of Rmf / Rmc Charts

Rm @ BHT 0.22 @ 117

Operating Rig Time 6 Hours

Max Rec. Temp. F 117

Equipment Number 15

Location Hays

Recorded By B. Becker

Witnessed By

<<< Fold Here >>>

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

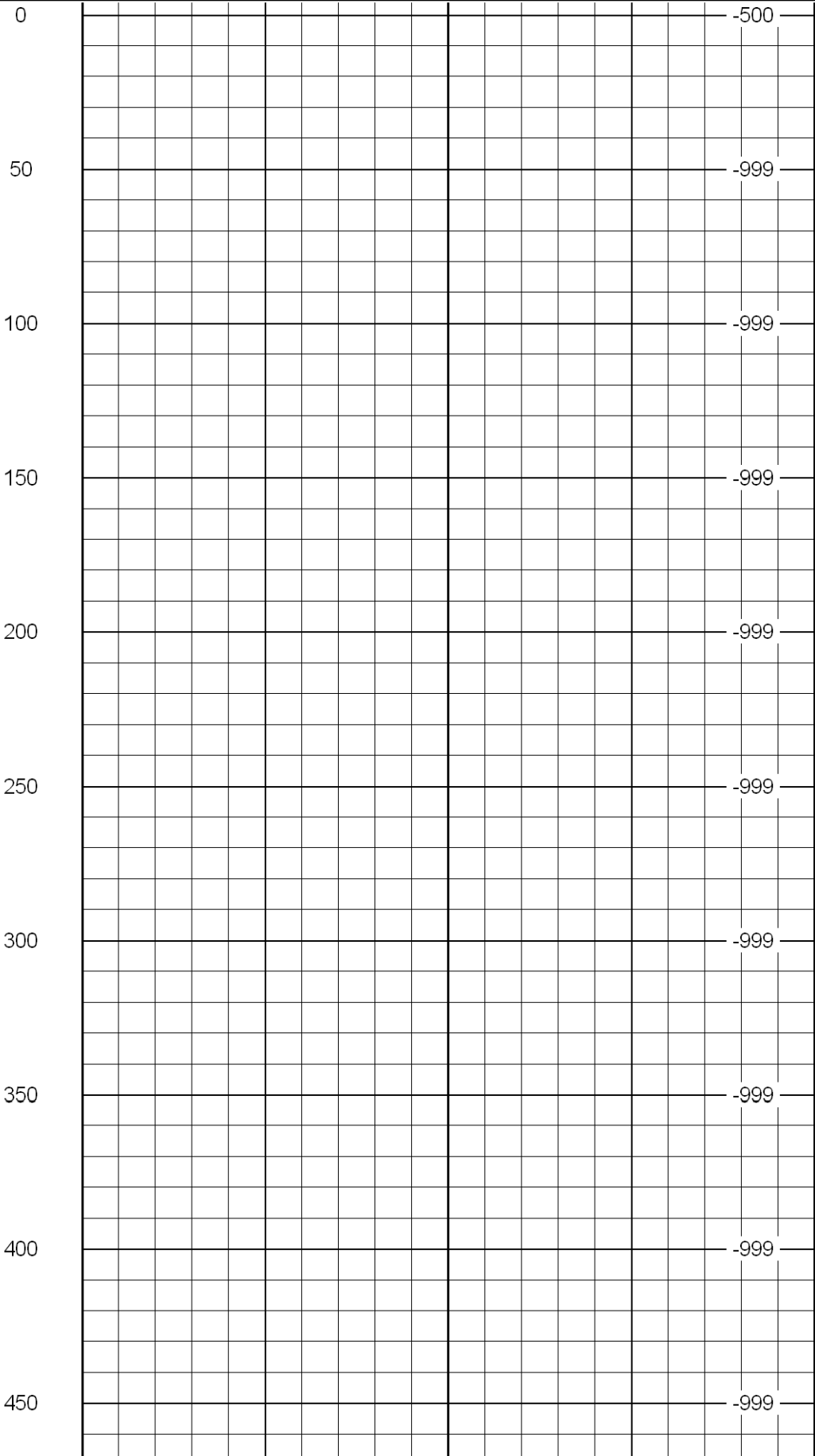
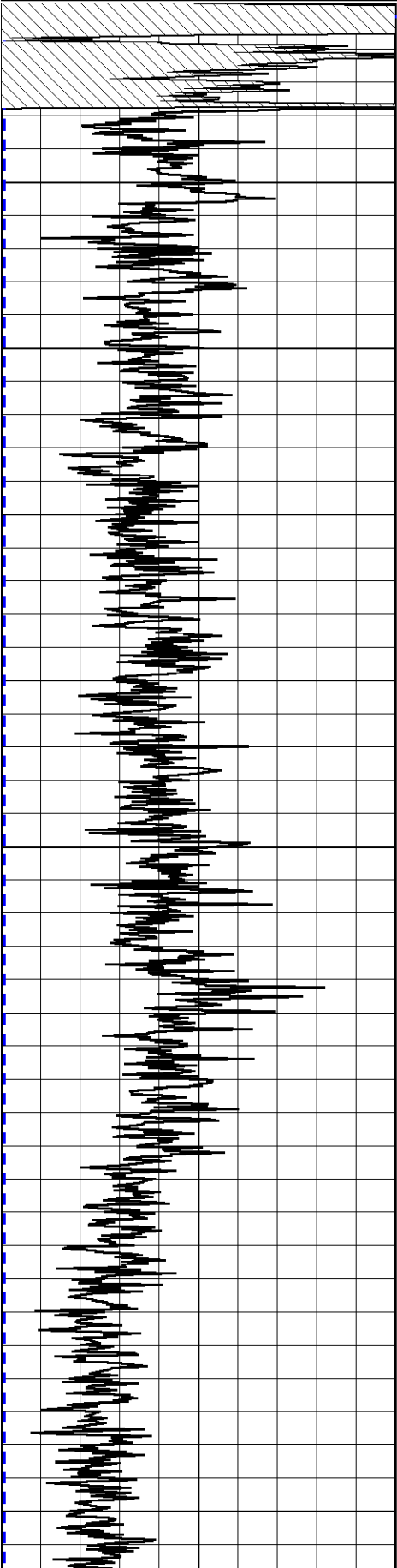
Thank you for using Log-Tech, Inc.  
(785) 625-3858

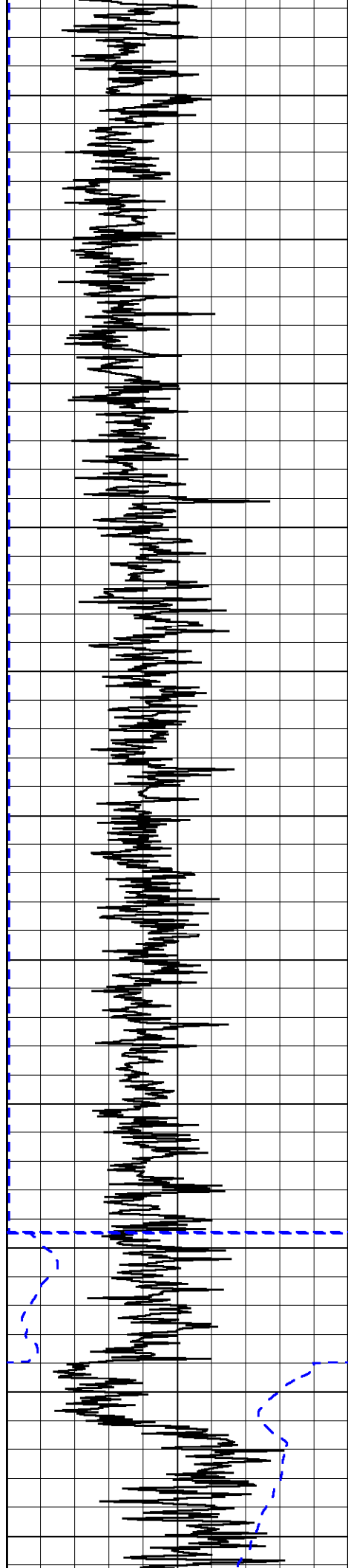
Pawnee Rock, Ks; South West on 56 Hwy to O Rd; 3 East; South into

Database File: c:\warrior\data\fg holl\_ward feed yard 'b' no. 2-30\fg hollhd.db  
Dataset Pathname: DIL/fgholl  
Presentation Format: dil2in  
Dataset Creation: Tue Oct 21 18:59:42 2008  
Charted by: Depth in Feet scaled 1:600

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





500

550

600

650

700

750

800

850

900

950

1000

-999

-999

-999

-999

-999

-999

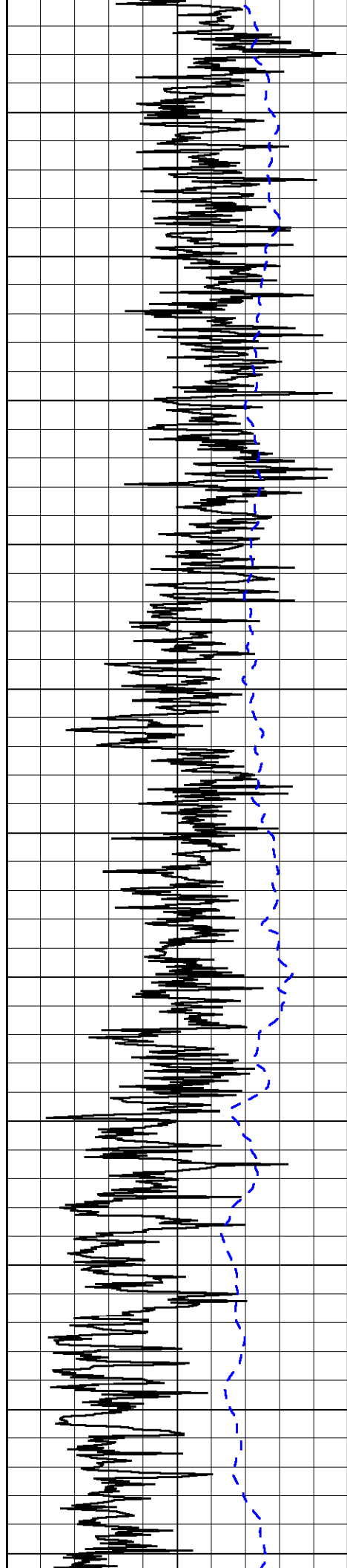
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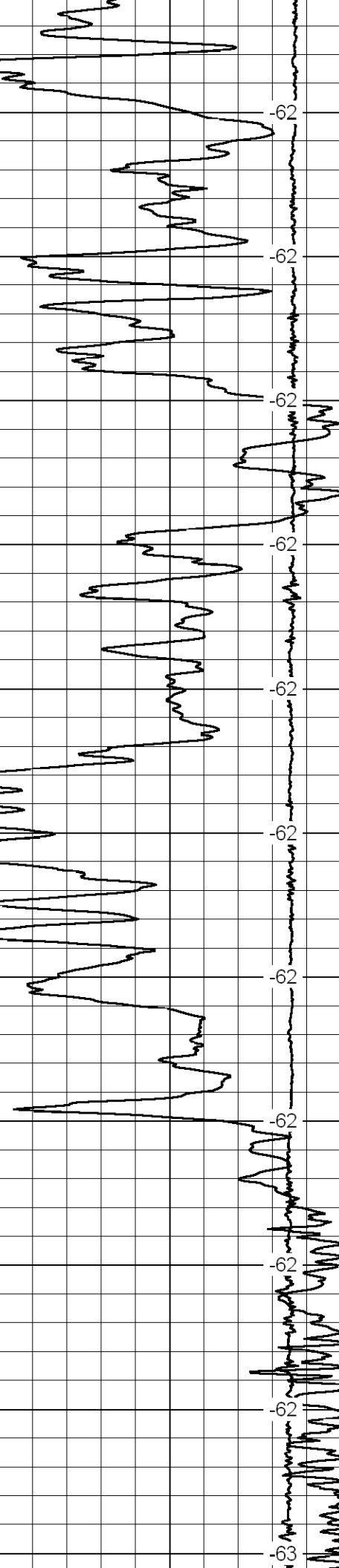
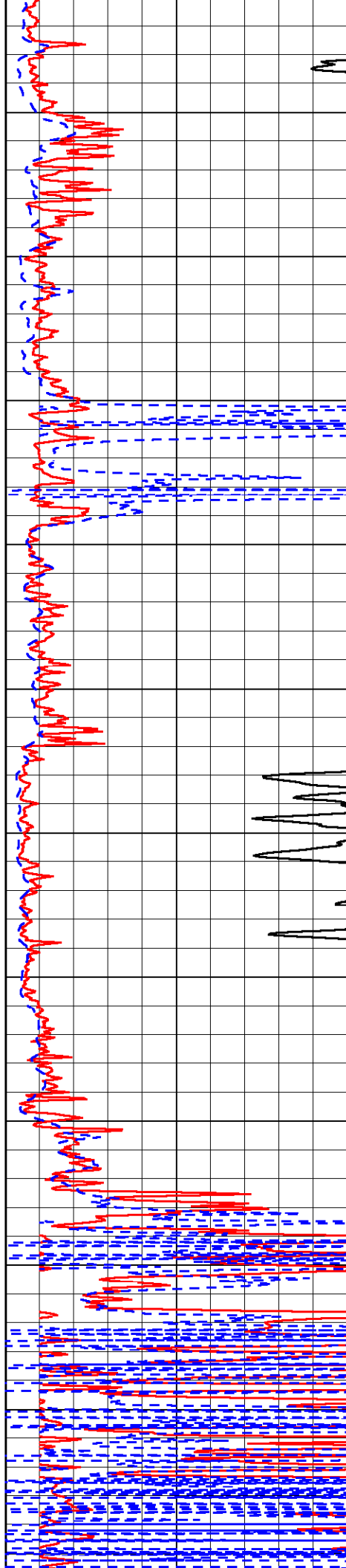
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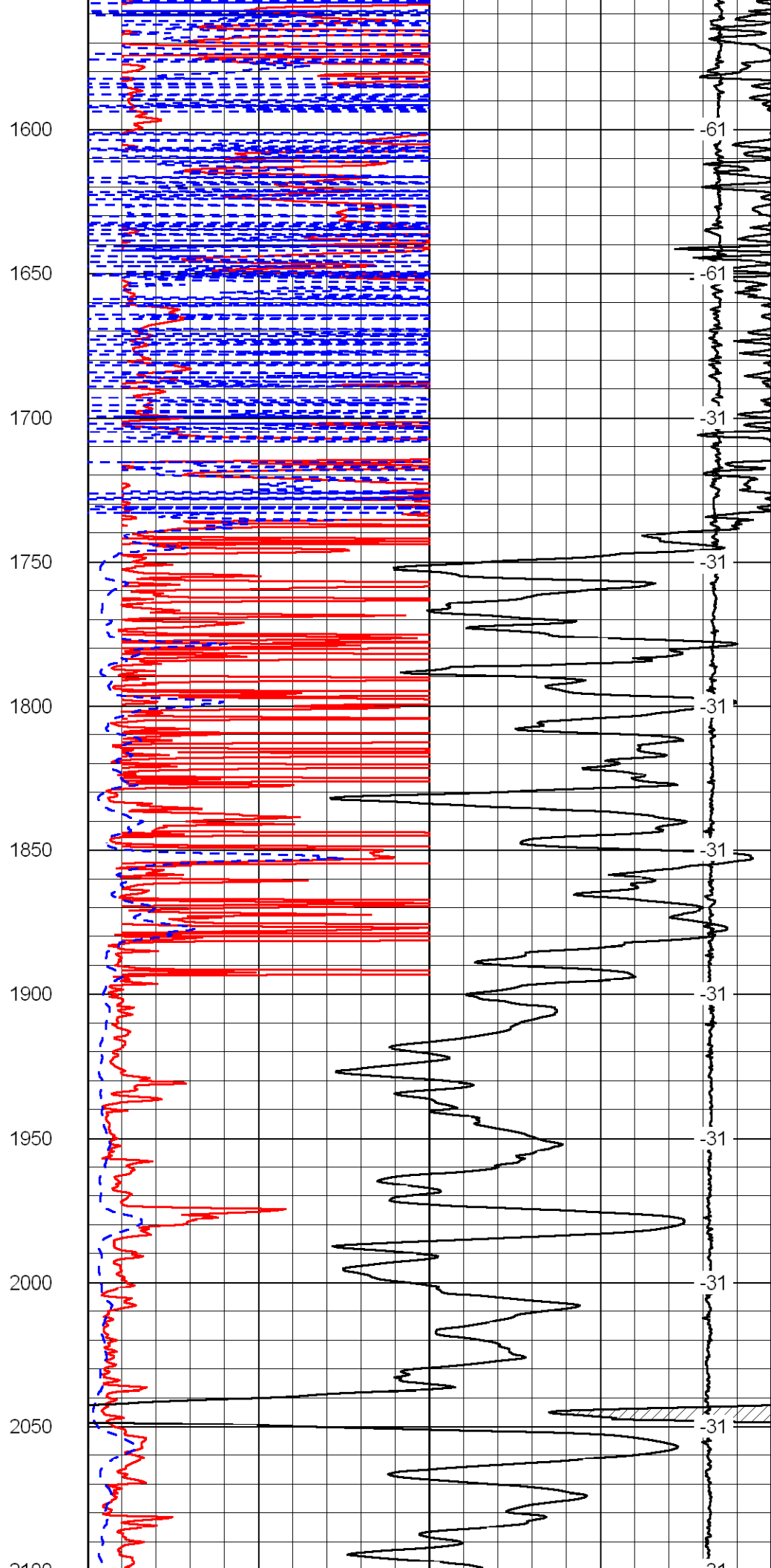
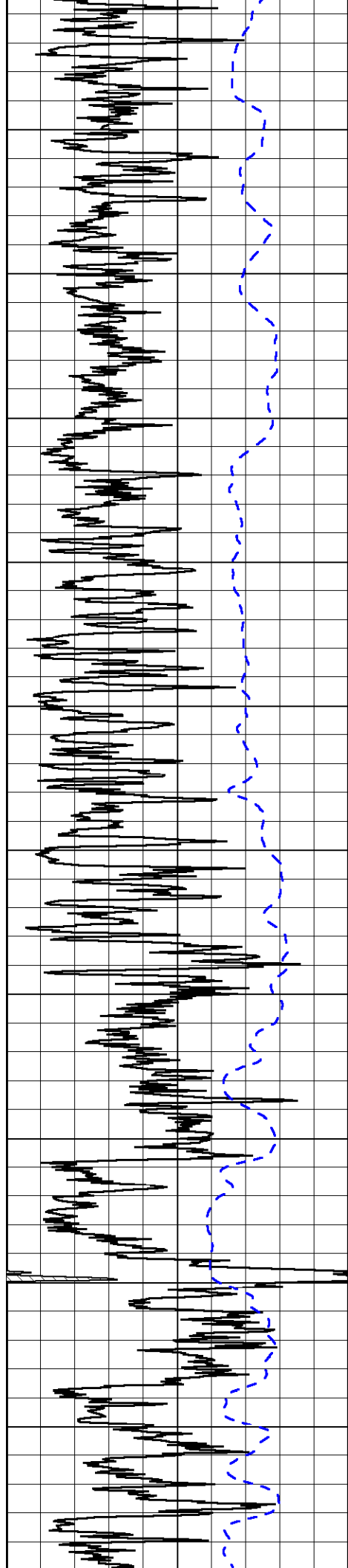
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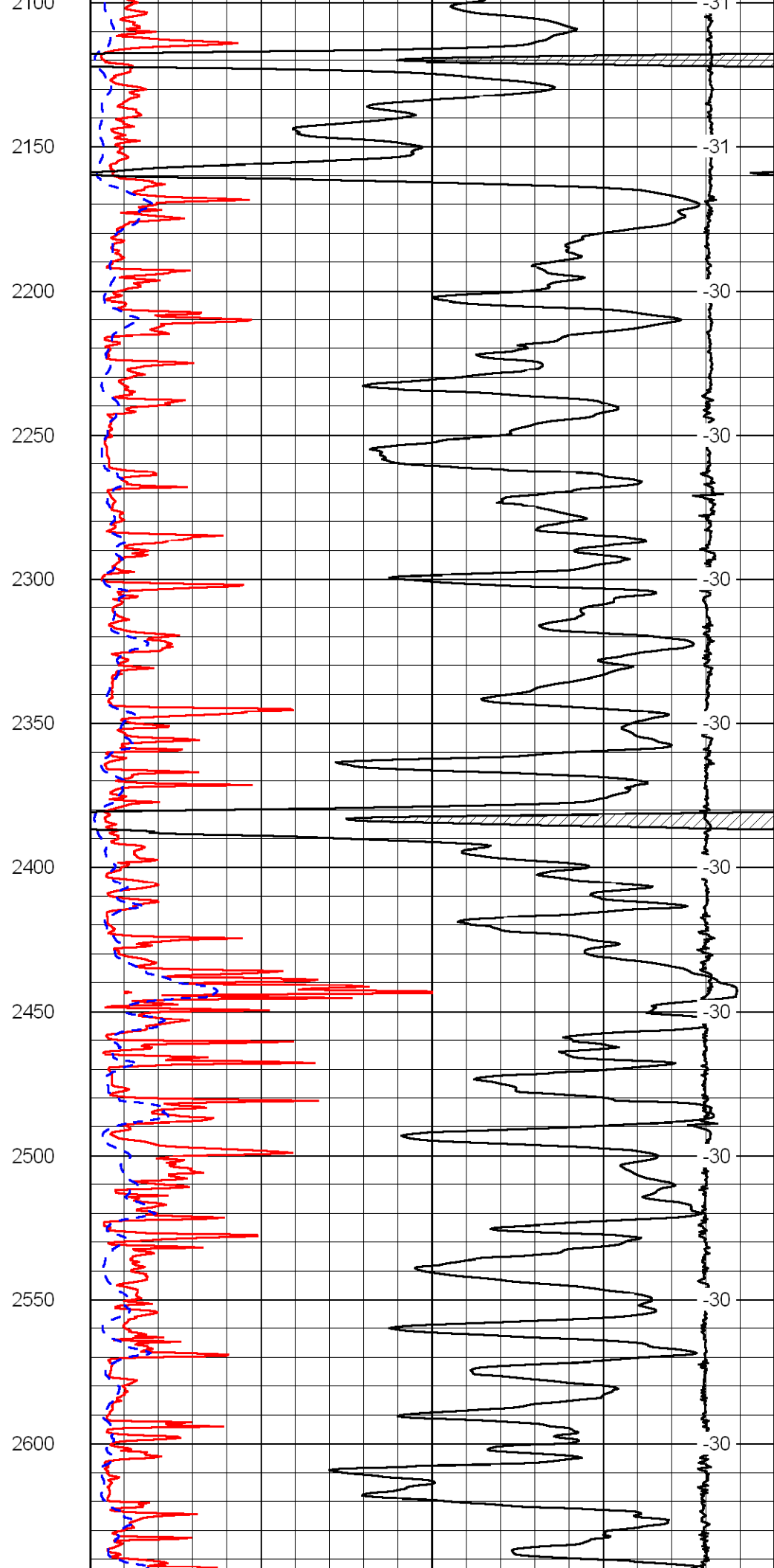
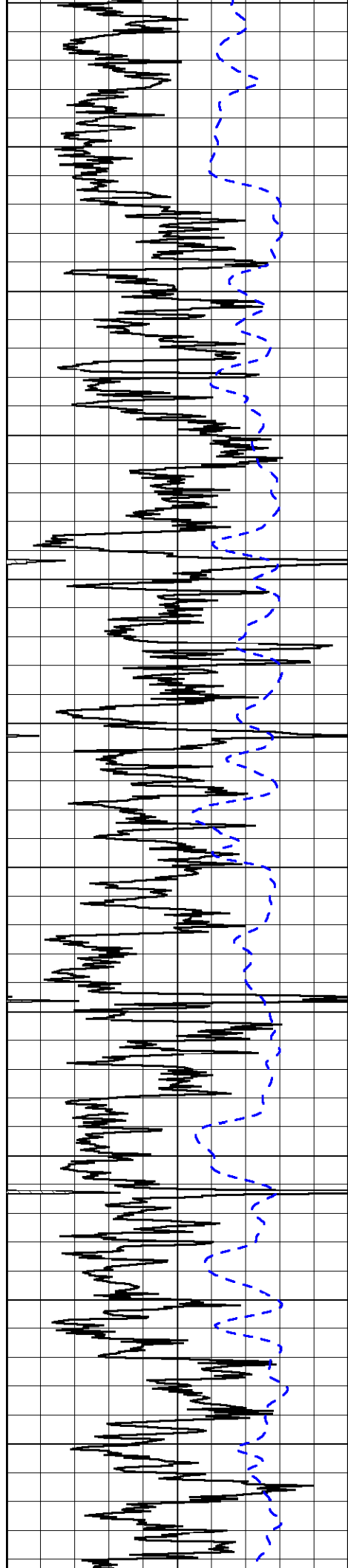


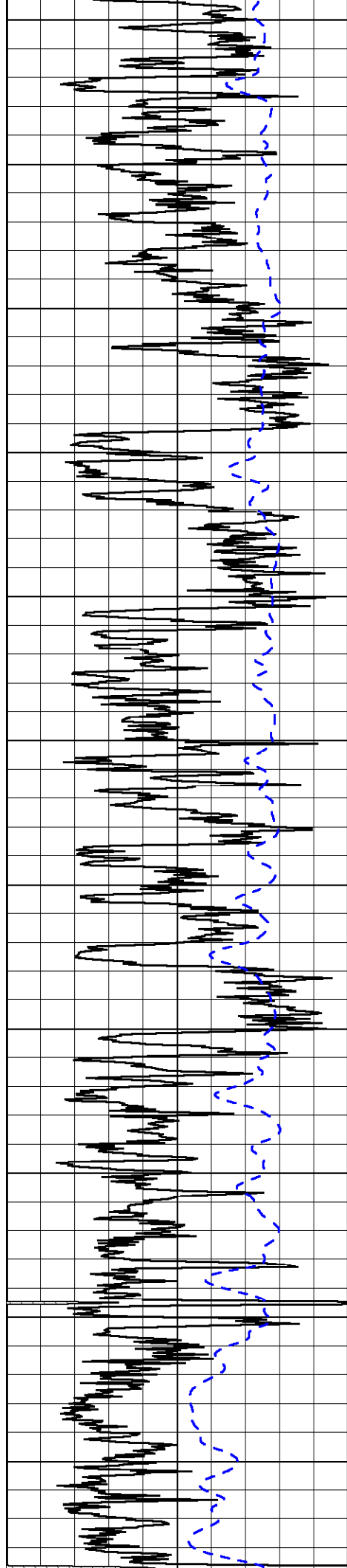
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1200  
1250  
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1400  
1450  
1500  
1550



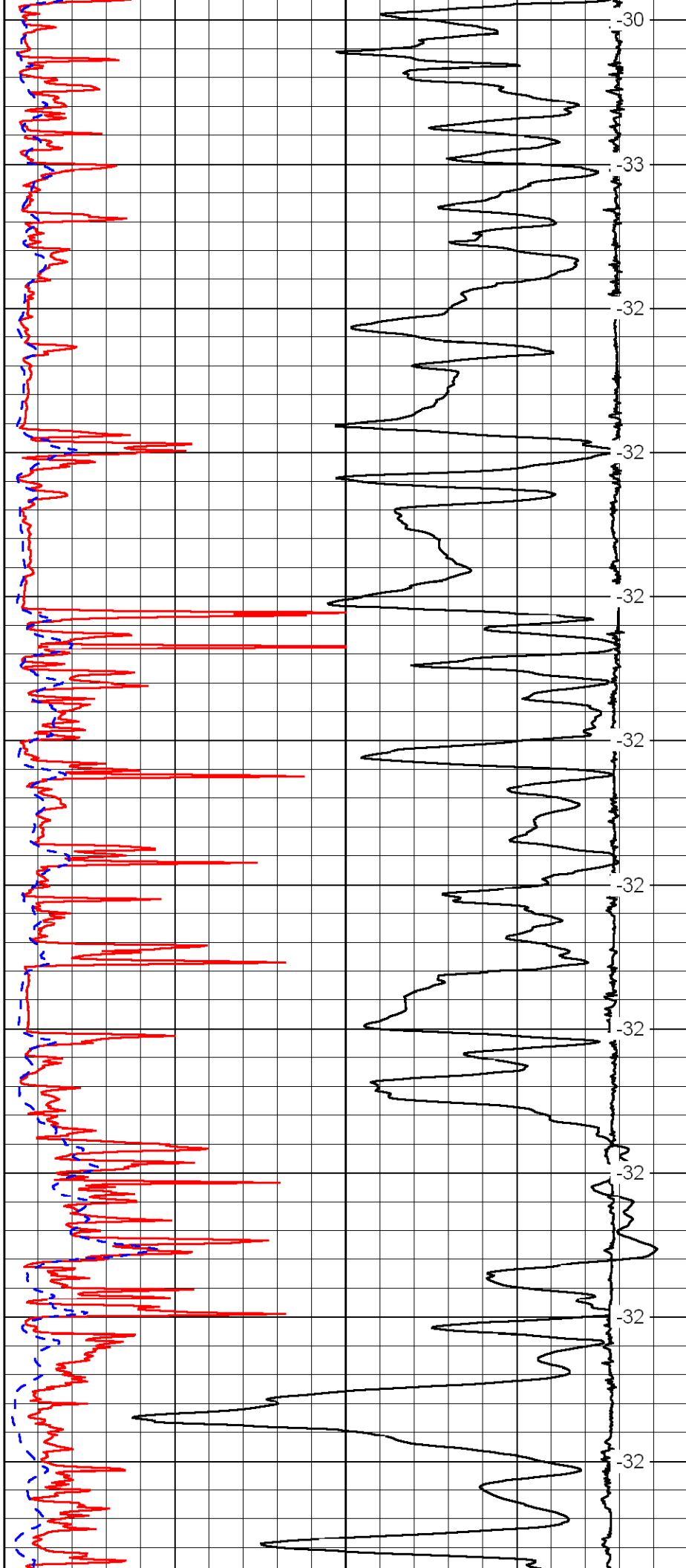
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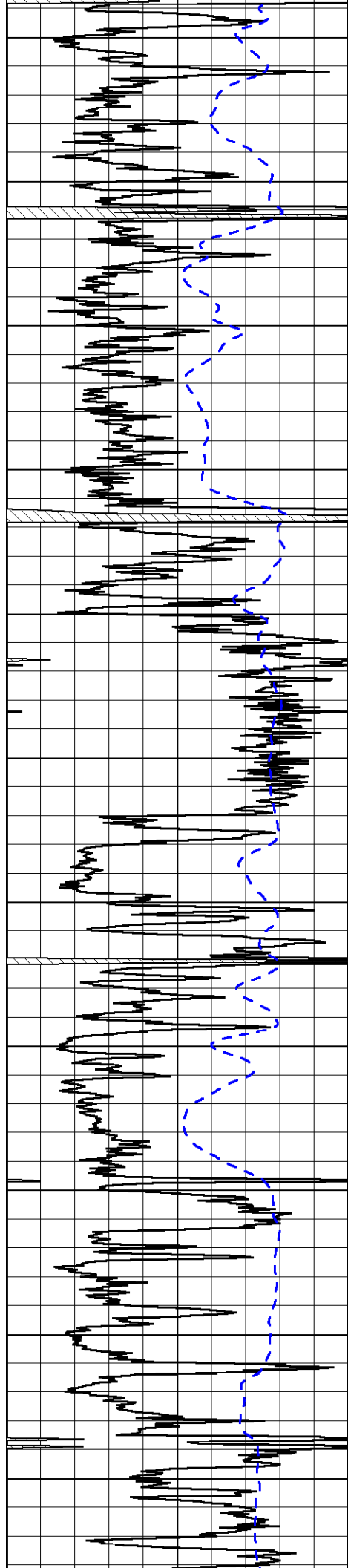






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2700  
2750  
2800  
2850  
2900  
2950  
3000  
3050  
3100  
3150





3200

3250

3300

3350

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3450

3500

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3600

3650

3700



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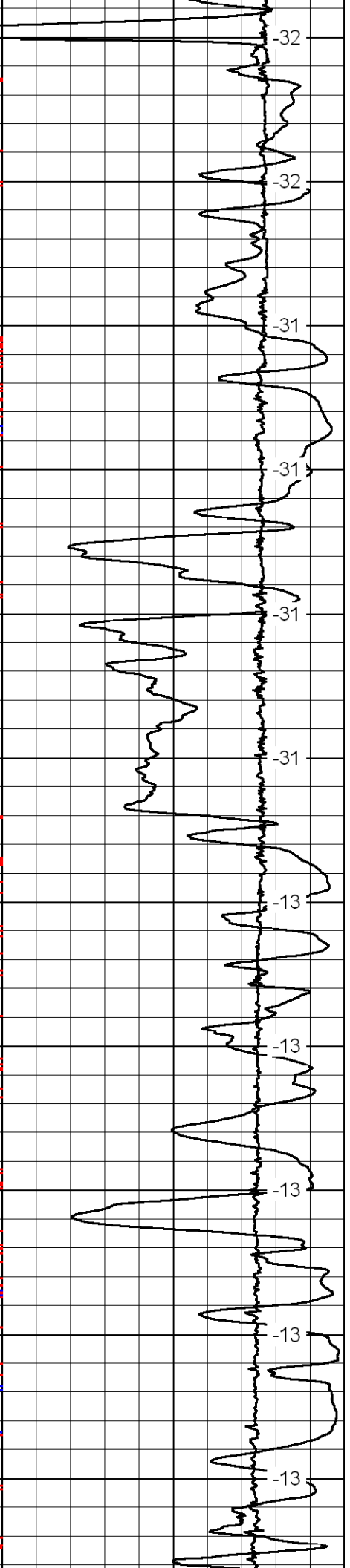
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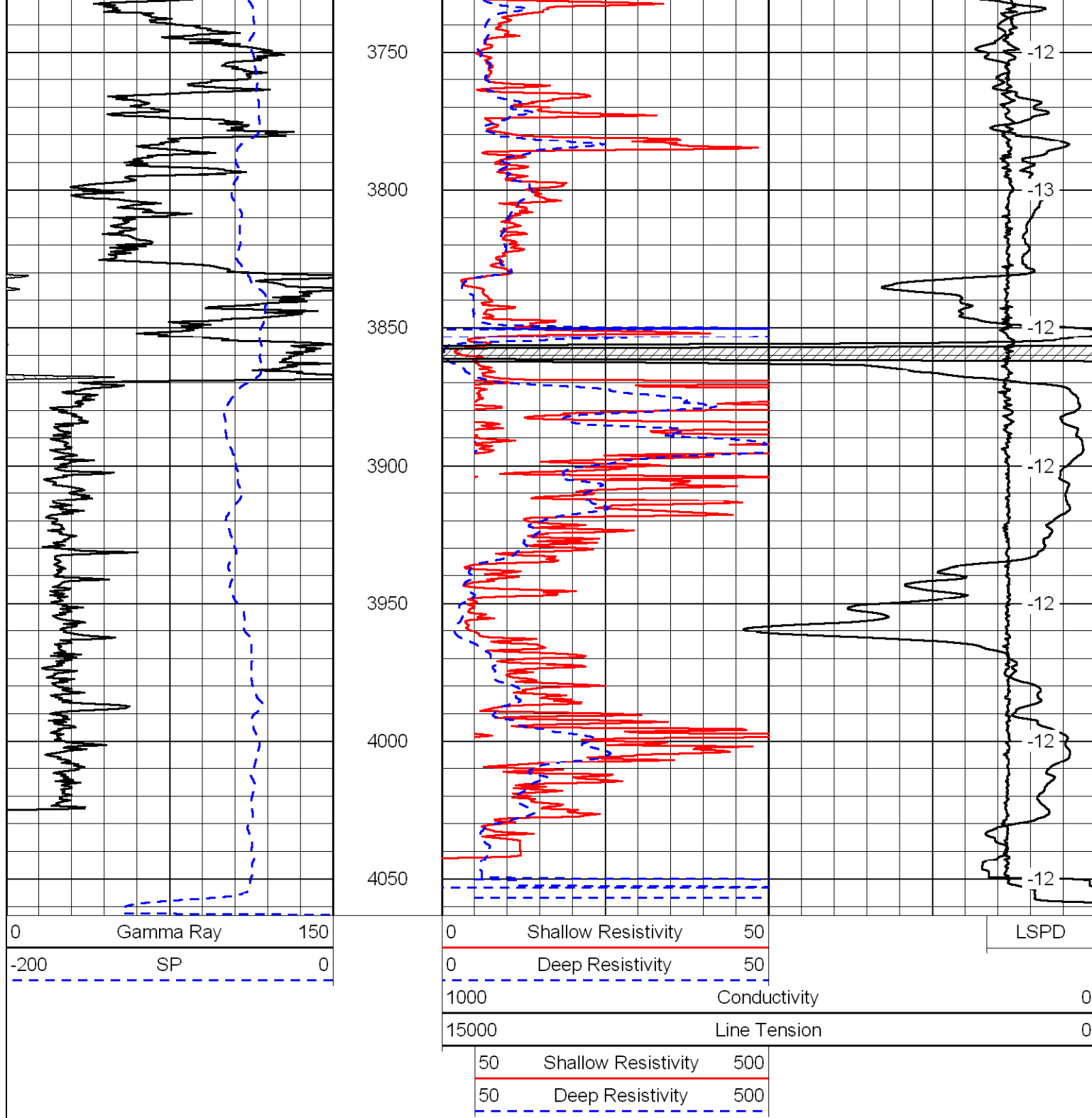
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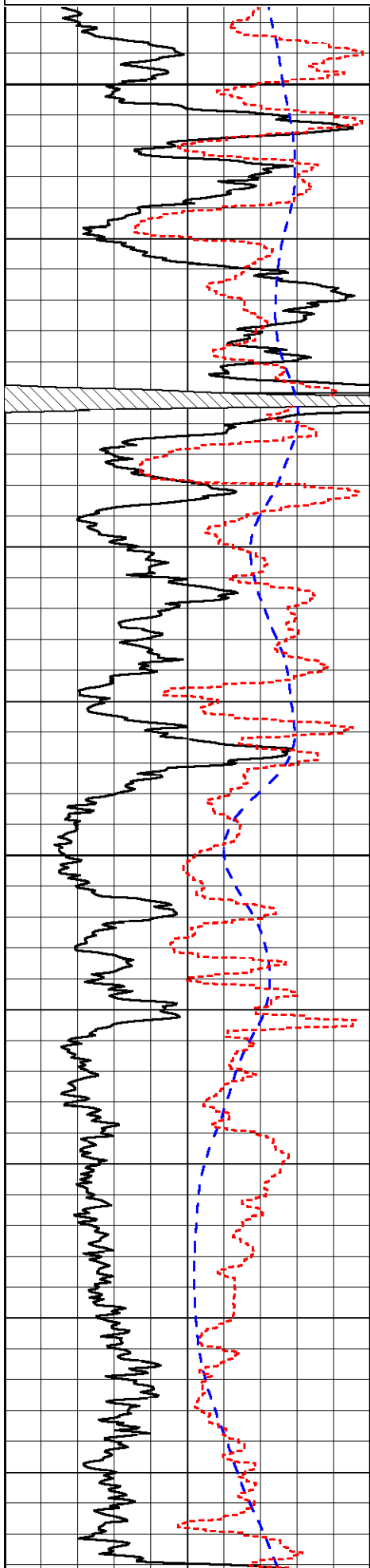
**LOG-TECH**

# High Resolution

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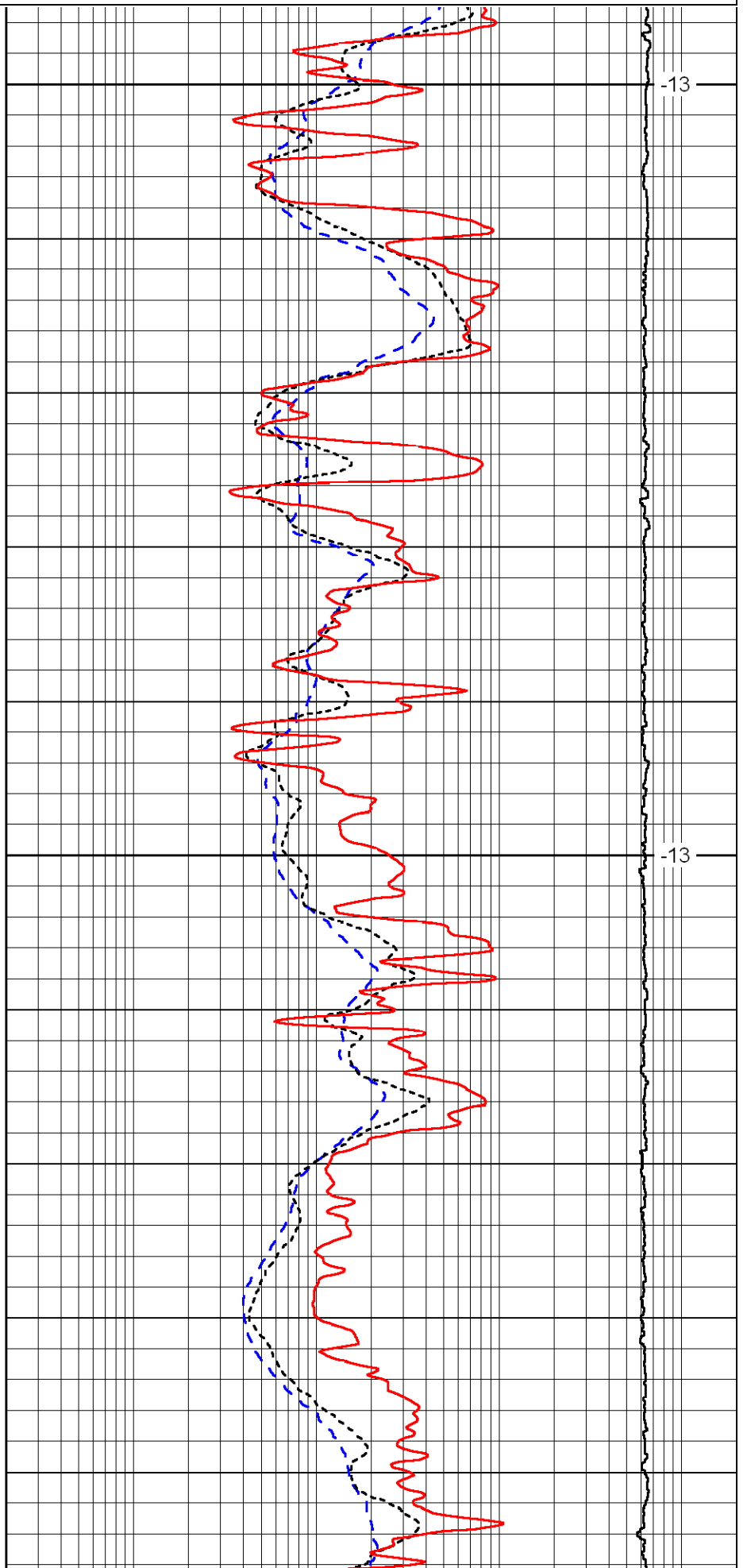
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 -200 SP 0

0.2 Deep Resistivity 2000  
 0.2 Medium Resistivity 2000



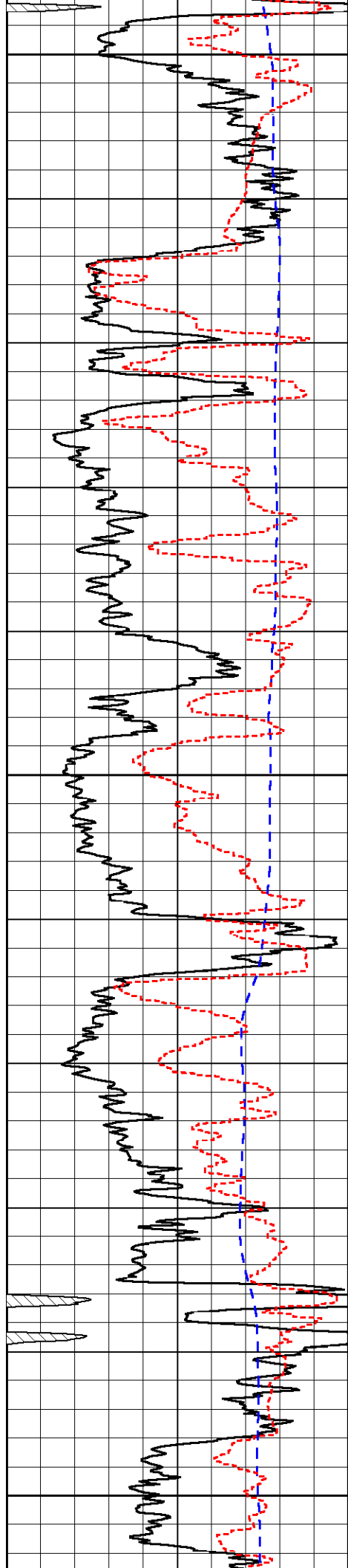
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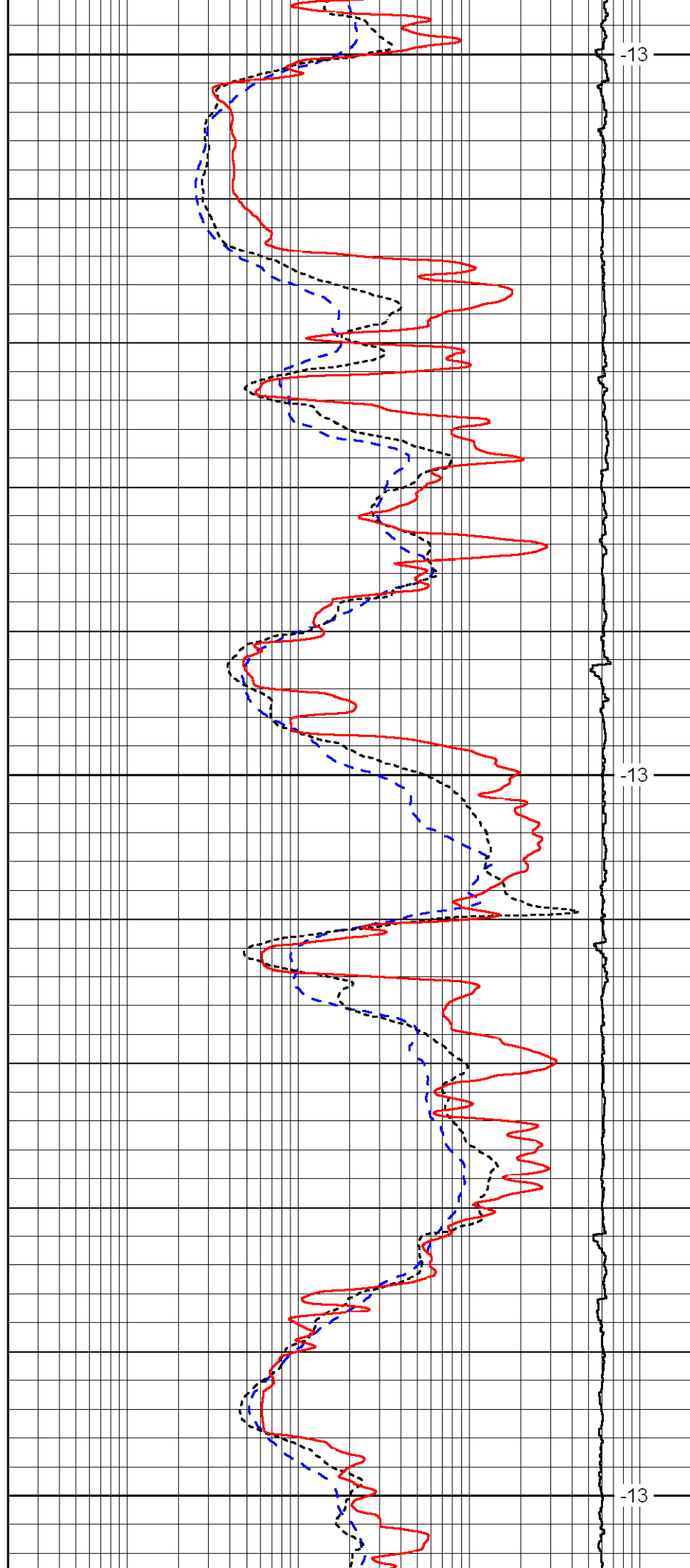
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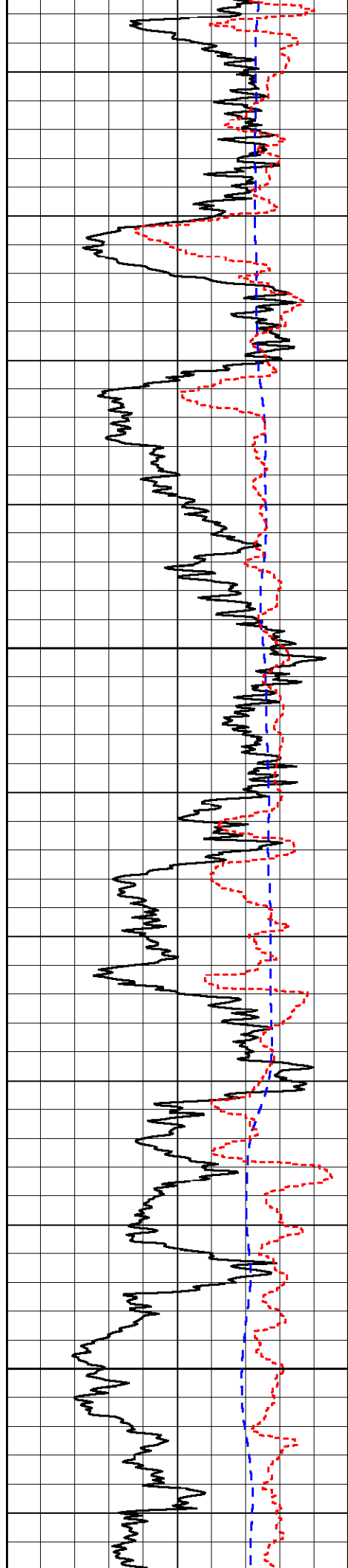
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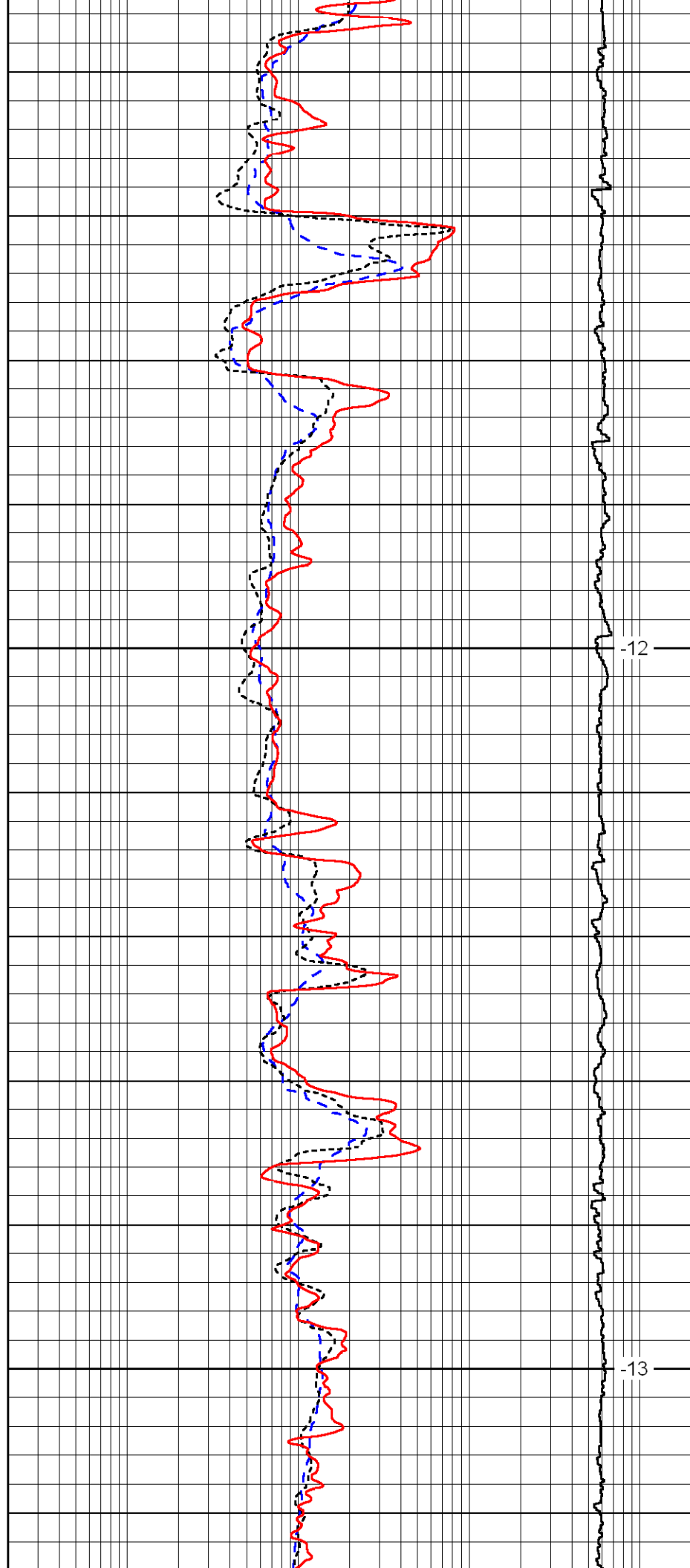
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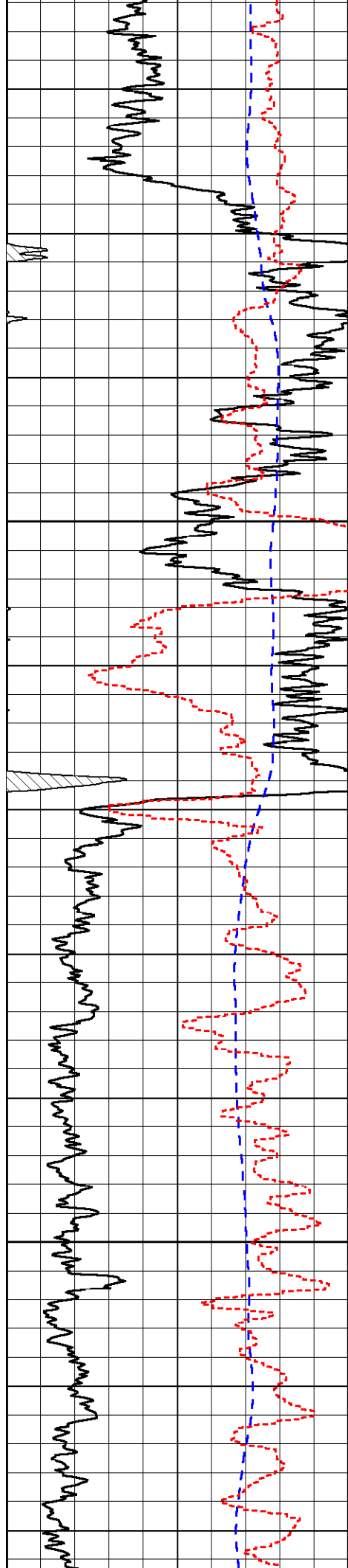
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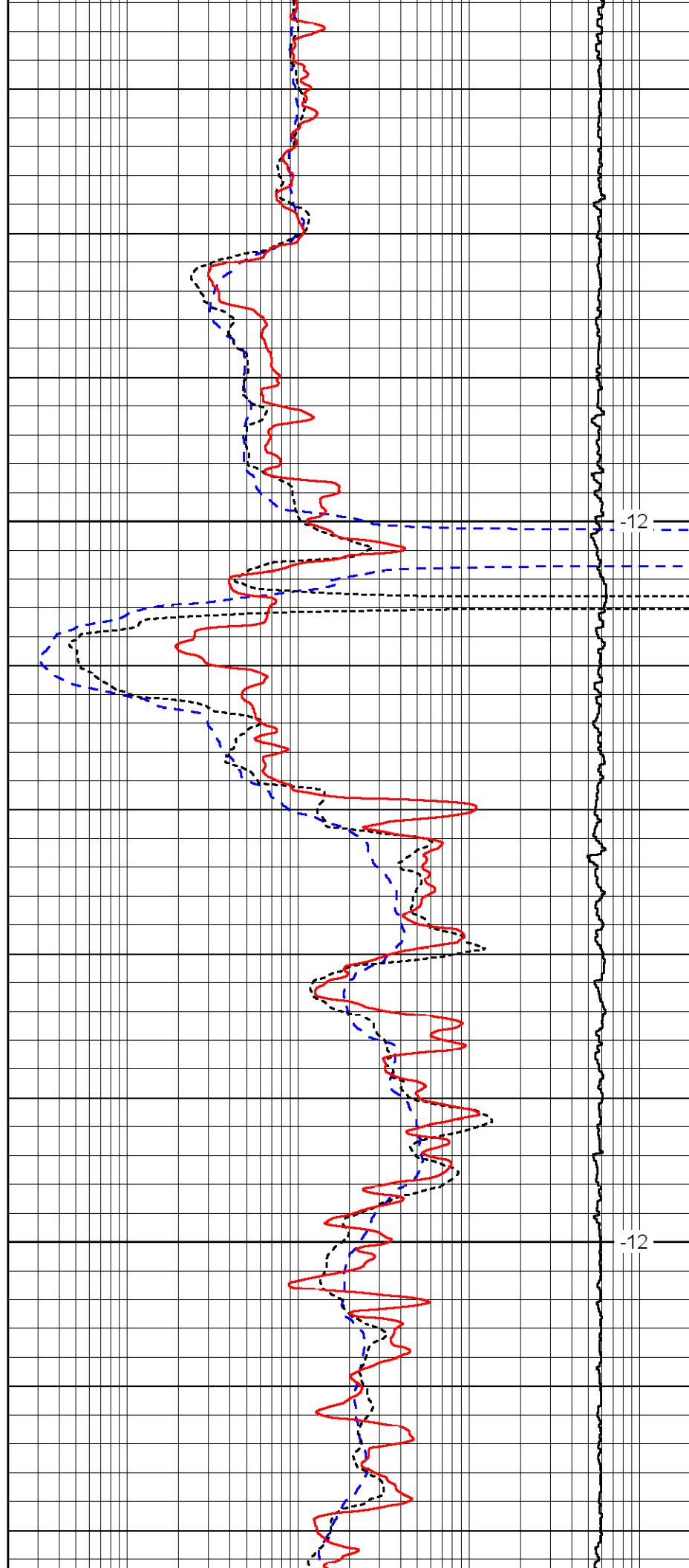
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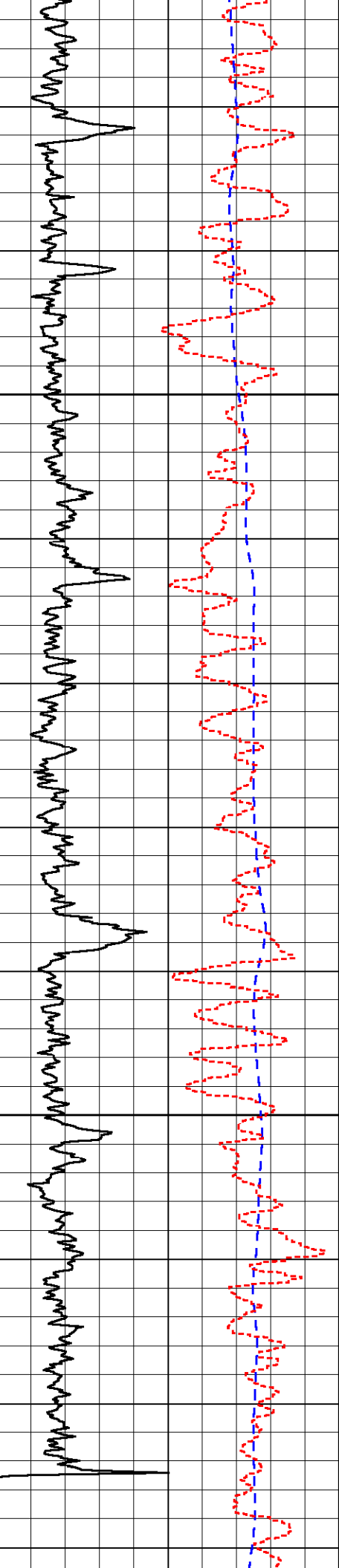
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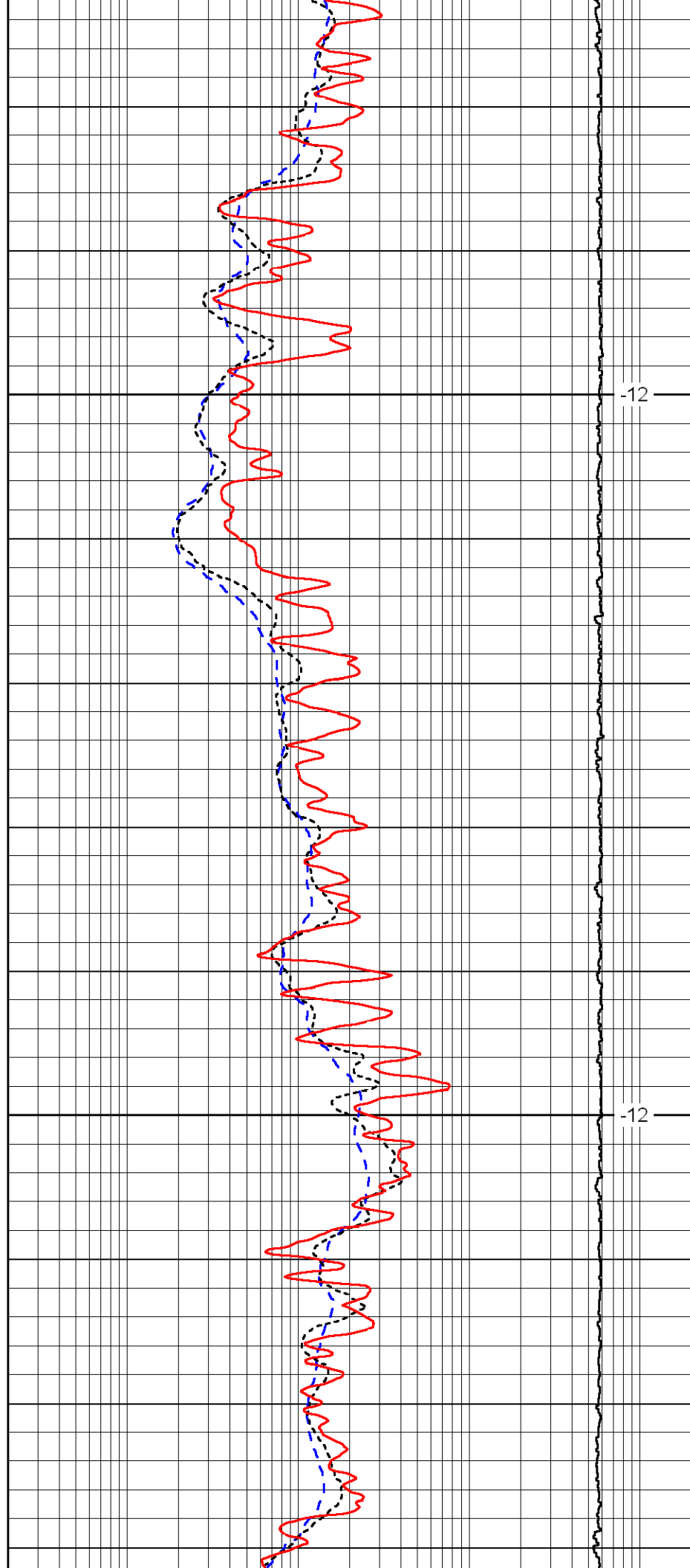
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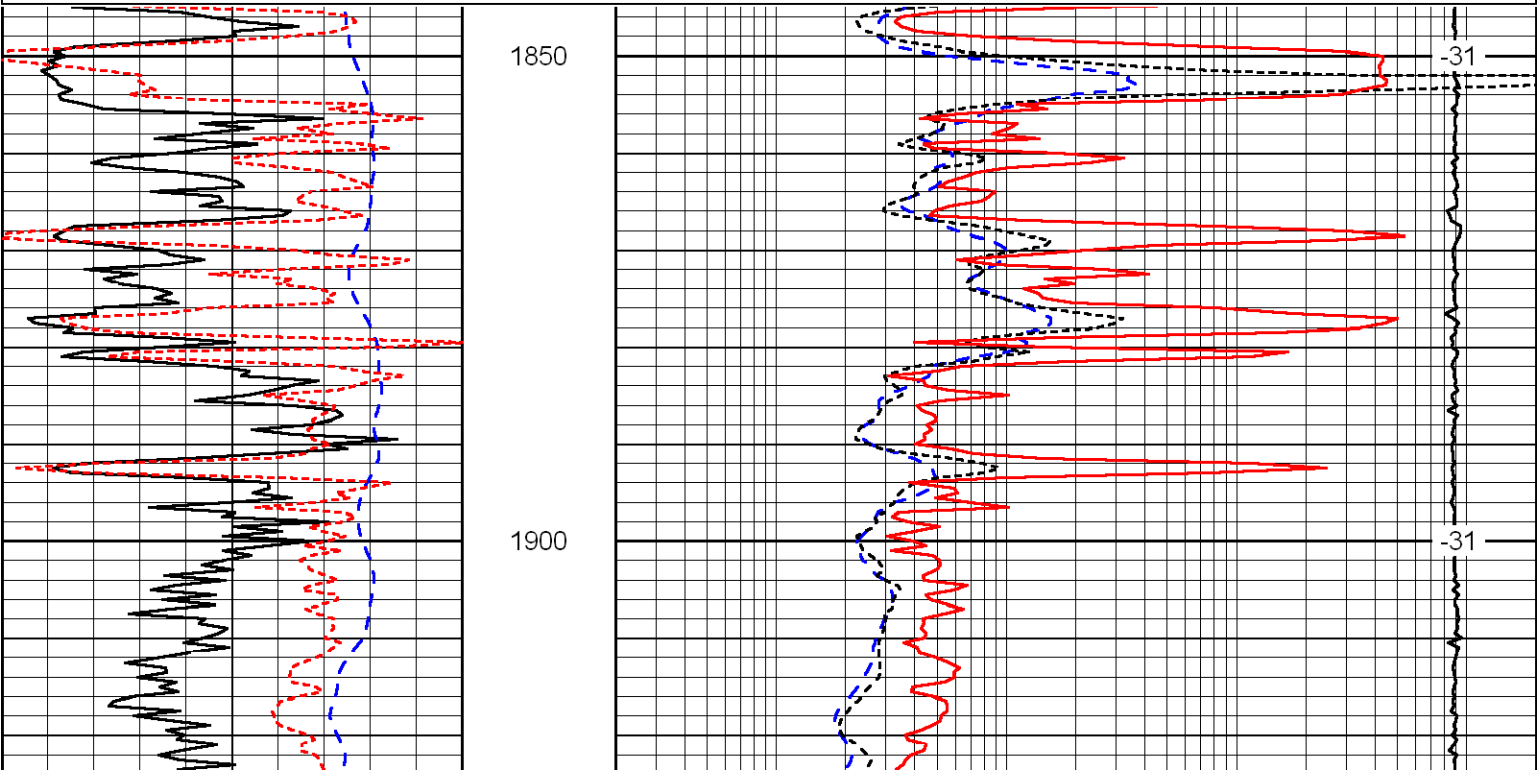
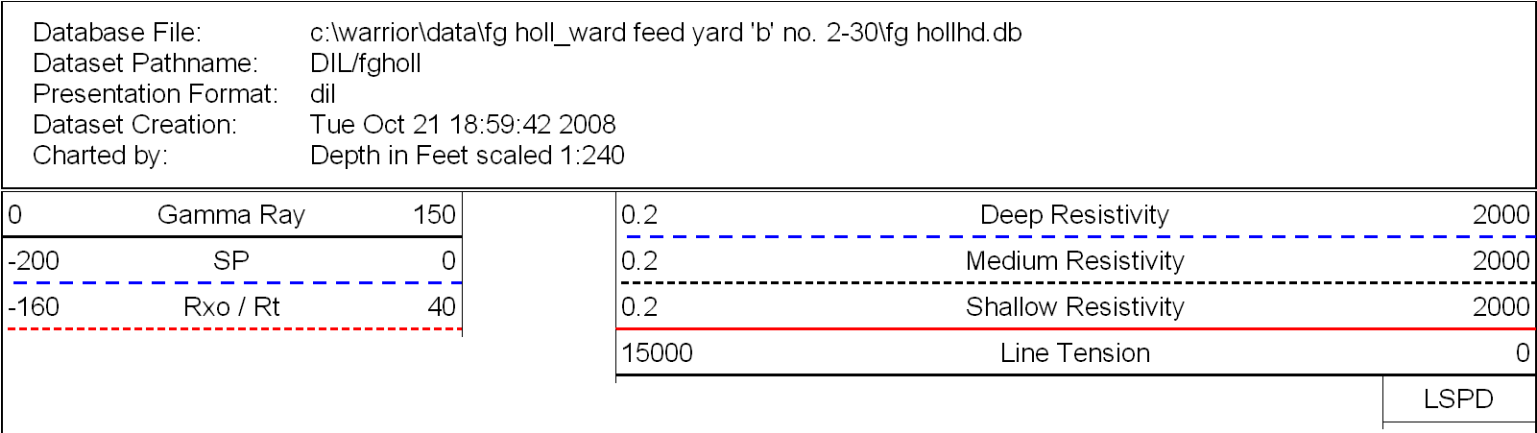
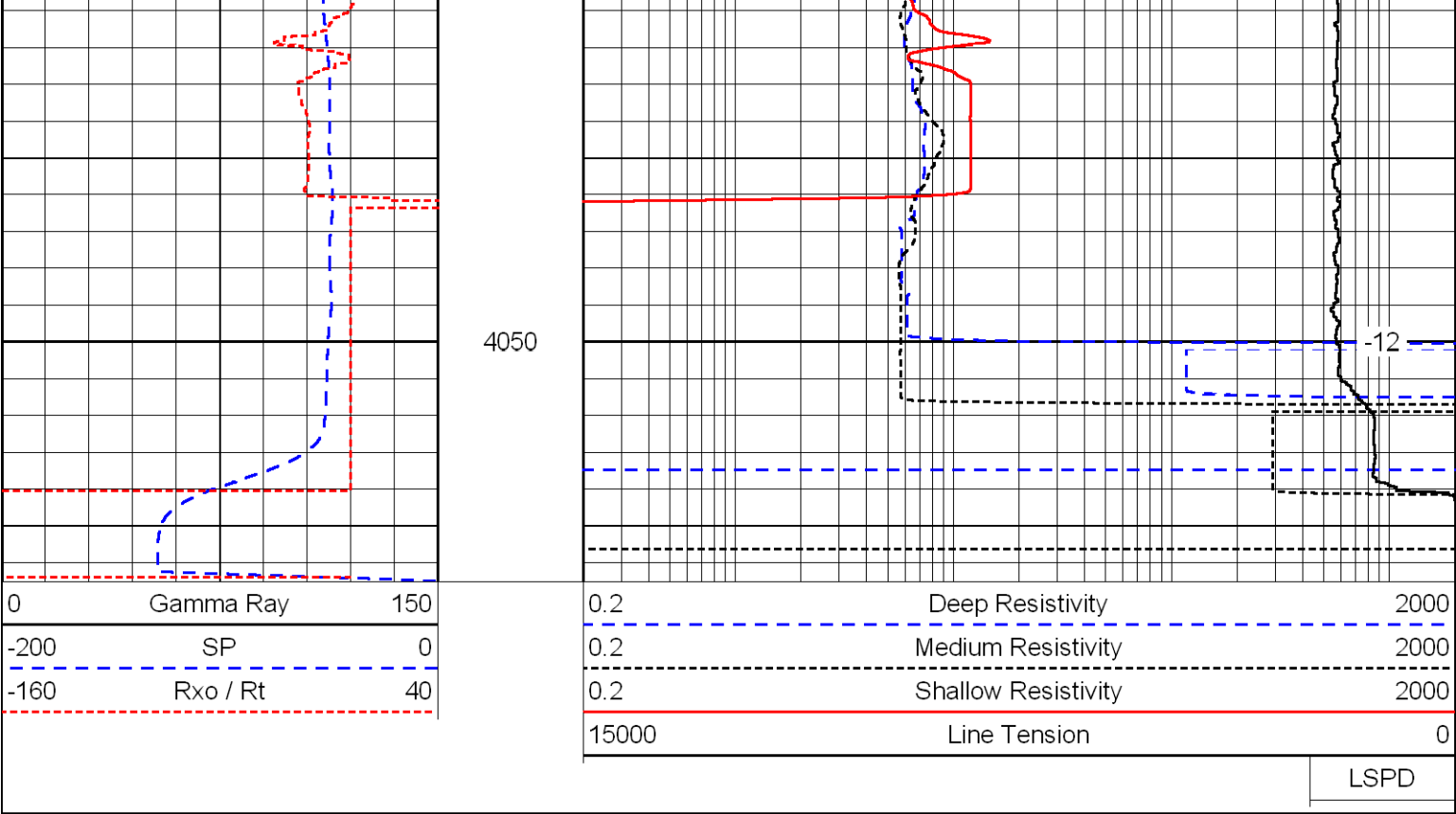
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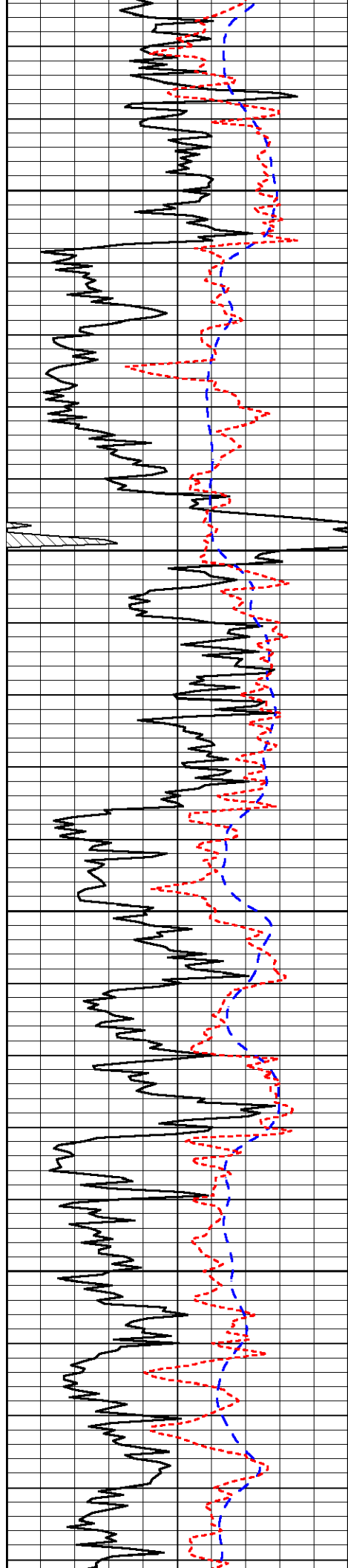
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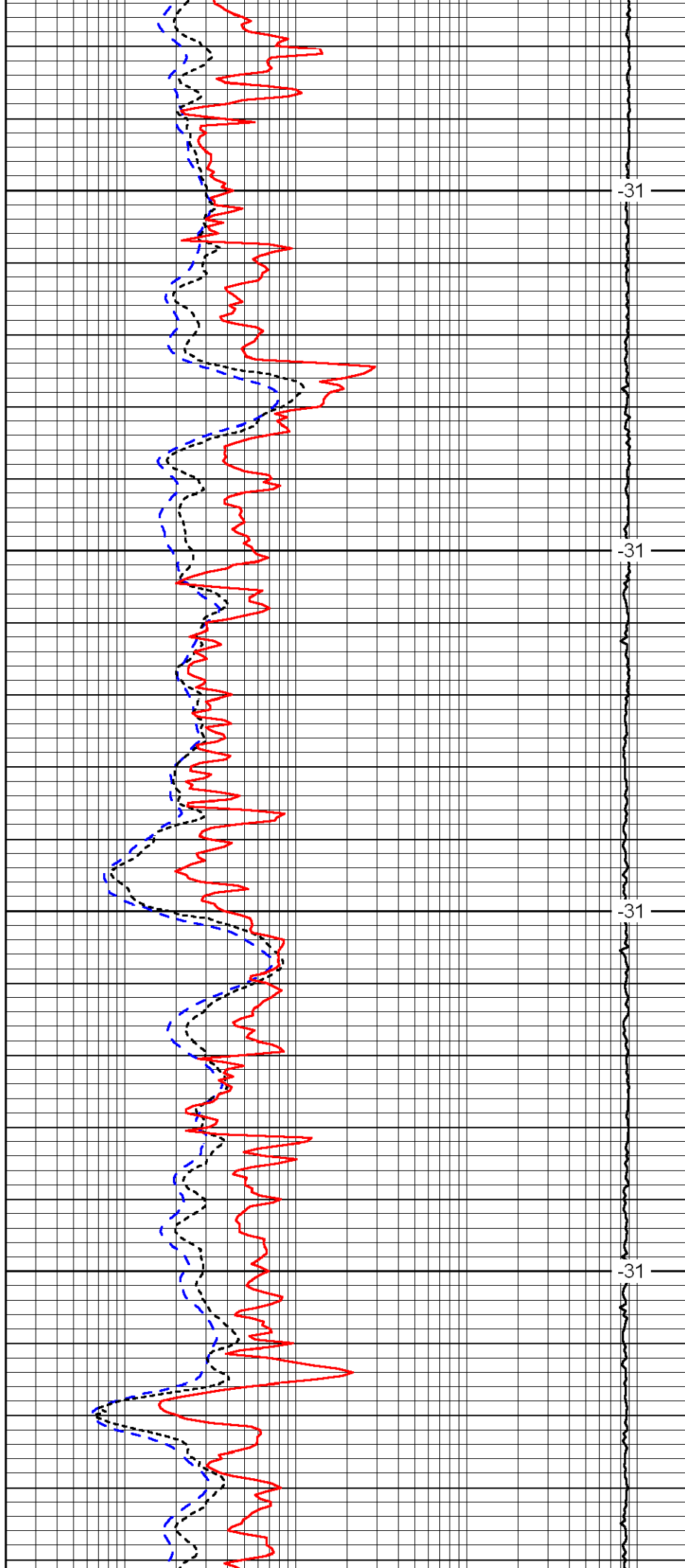


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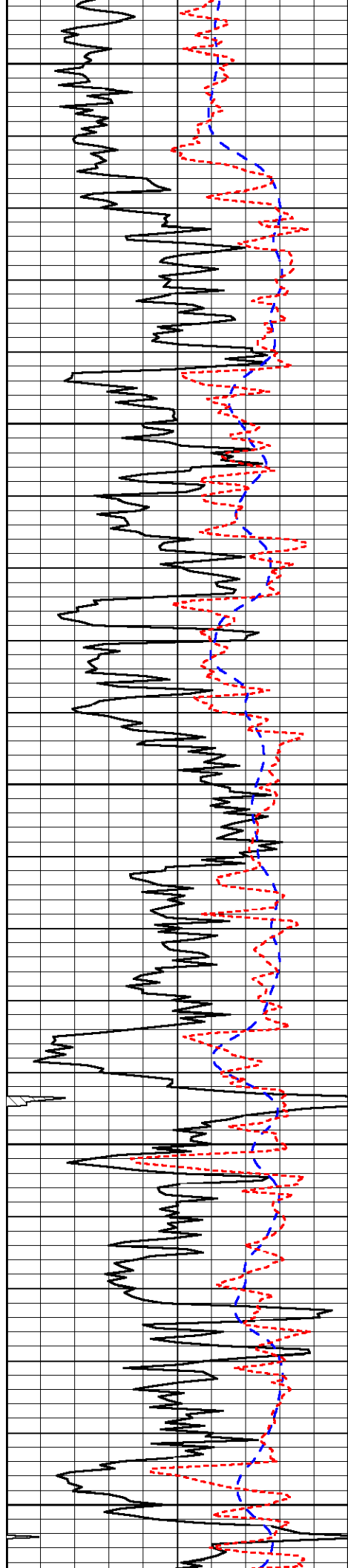


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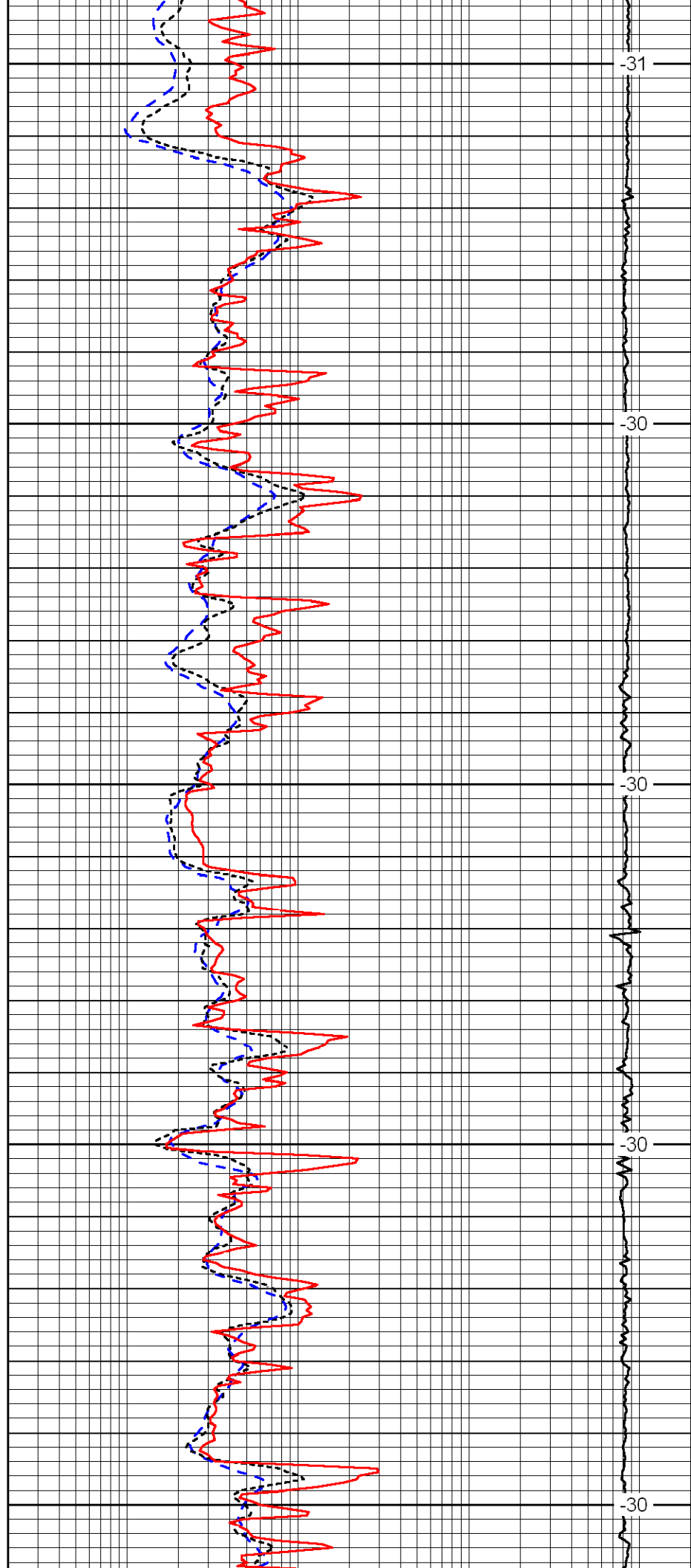
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2300

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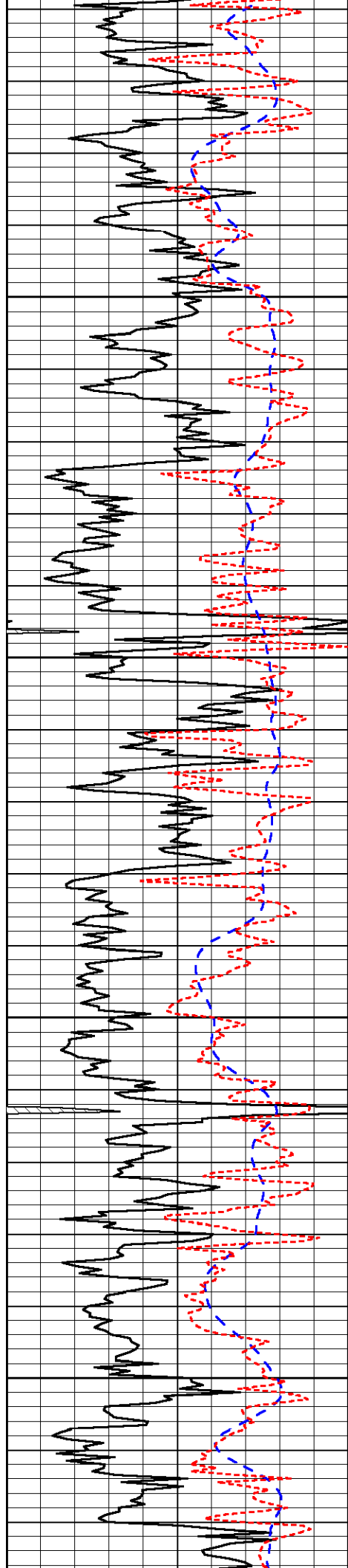
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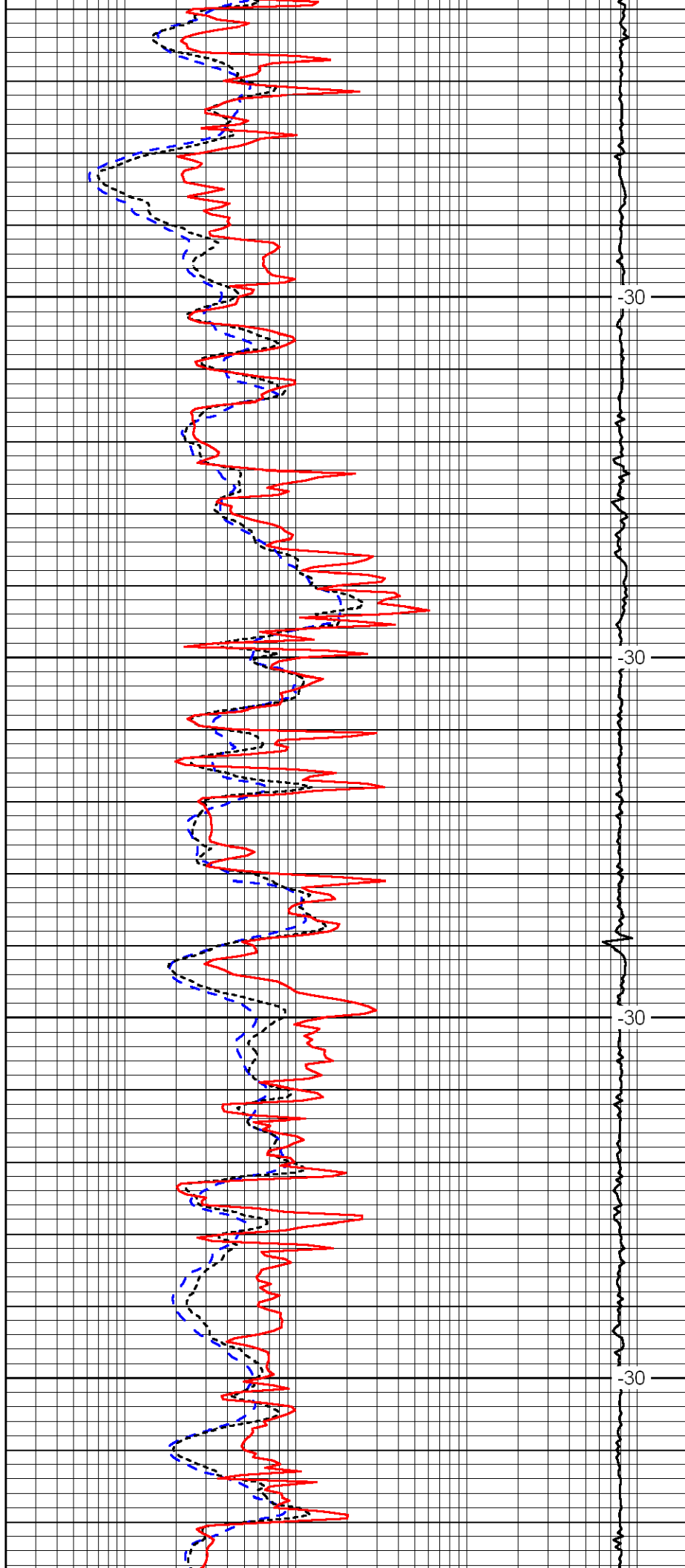


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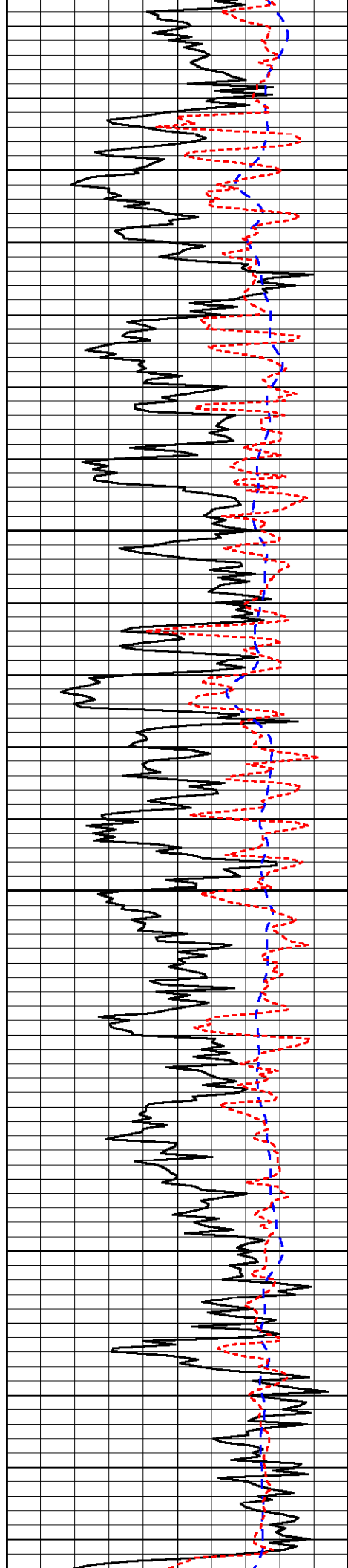


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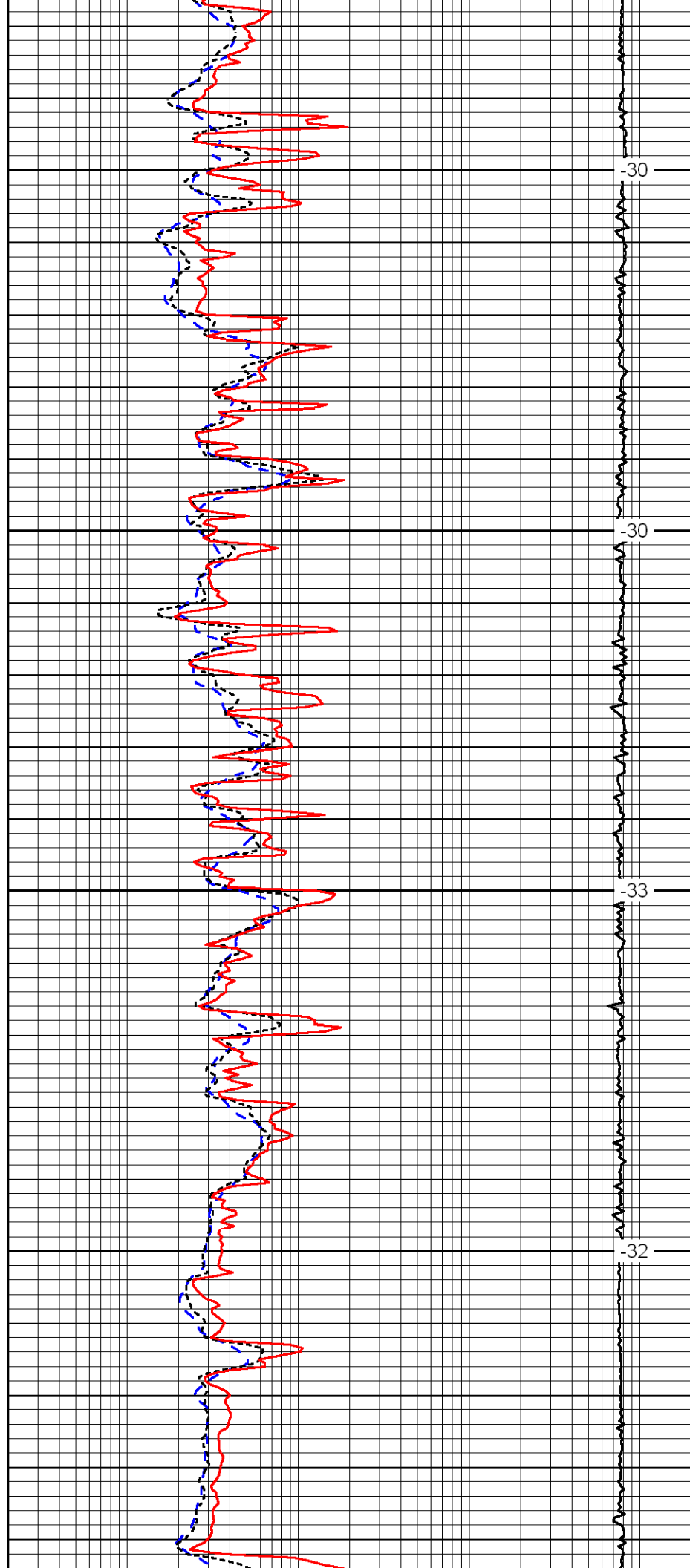


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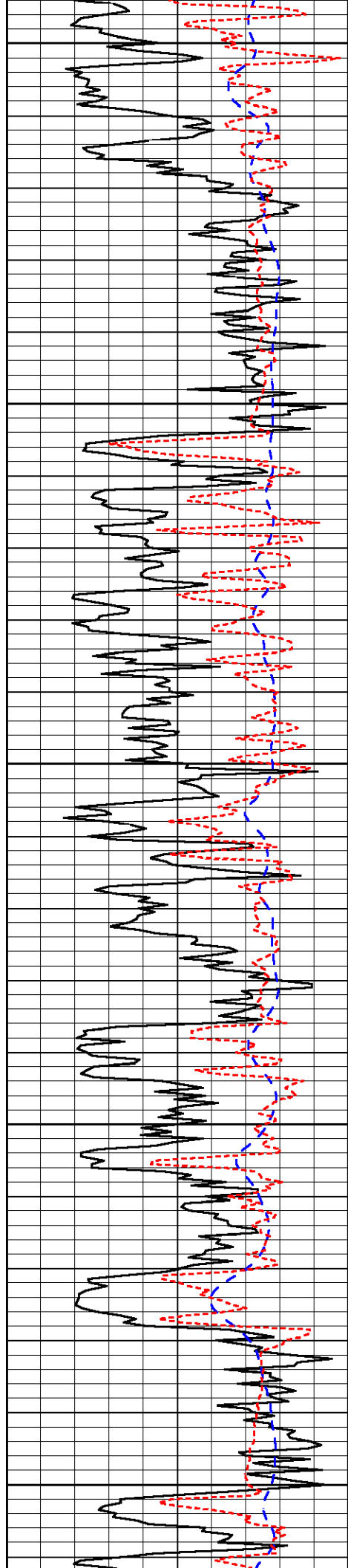


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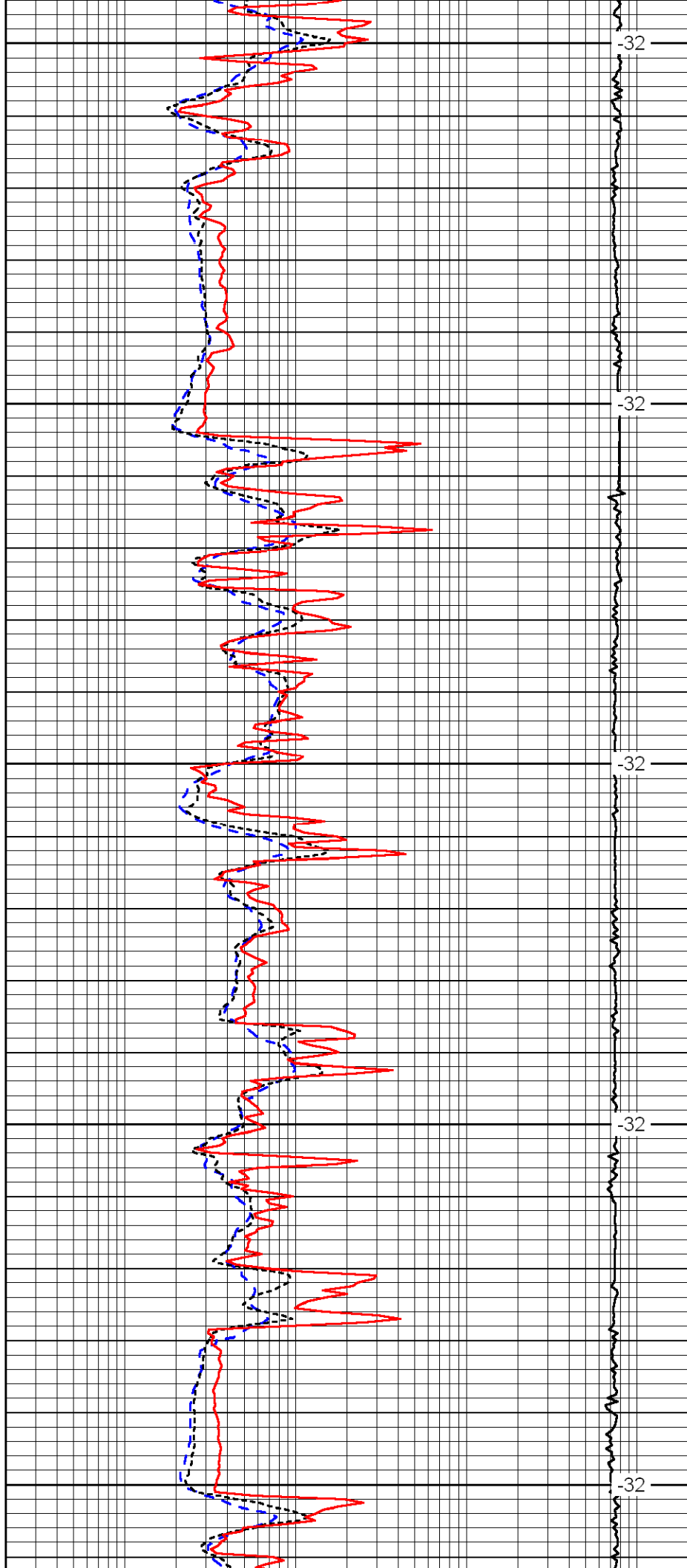
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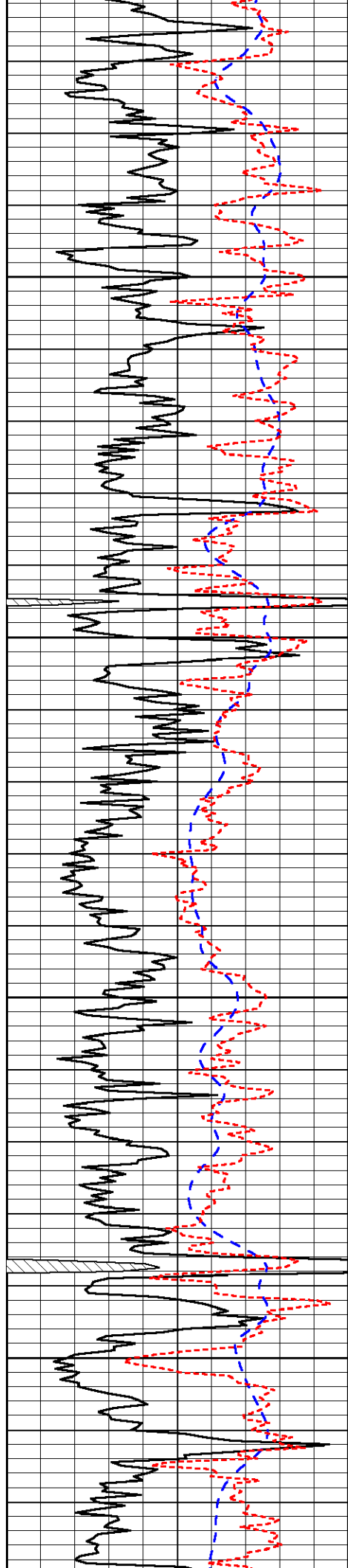
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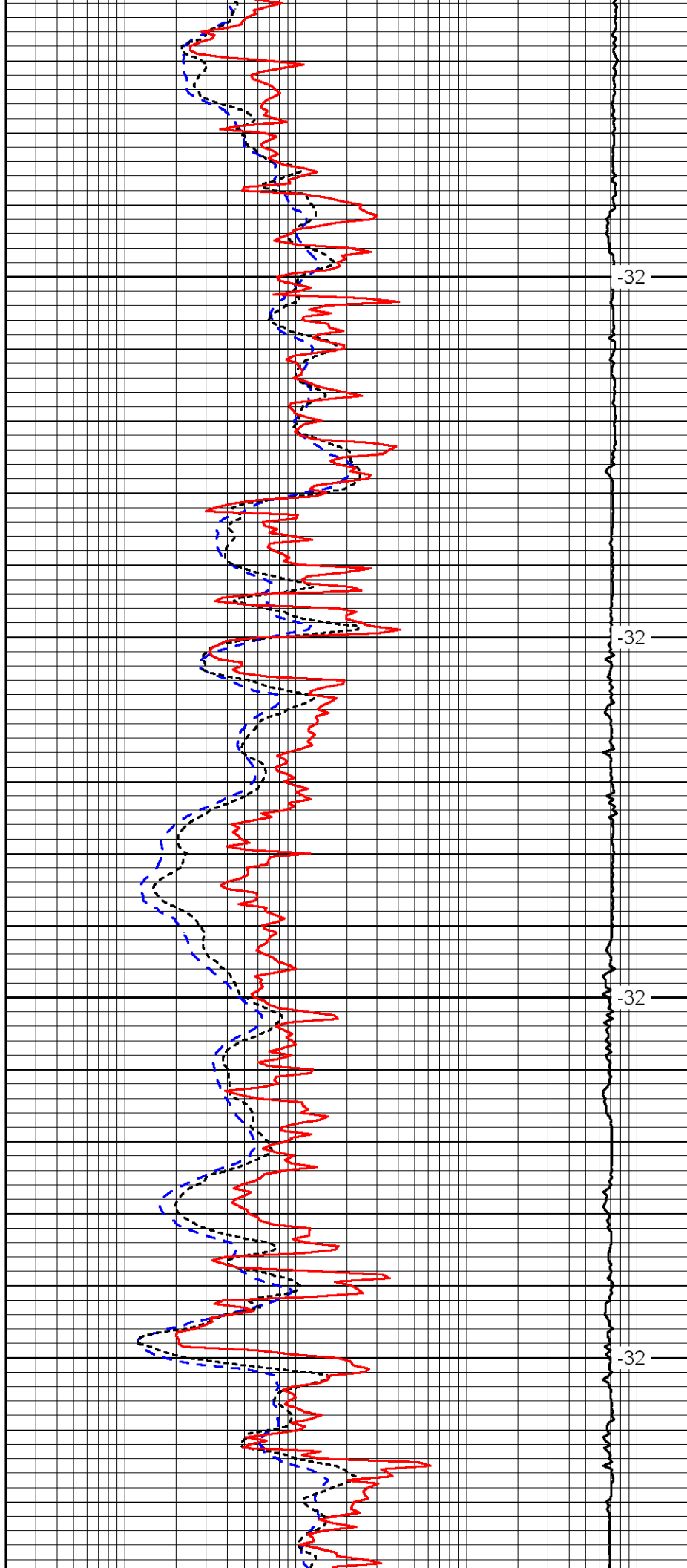


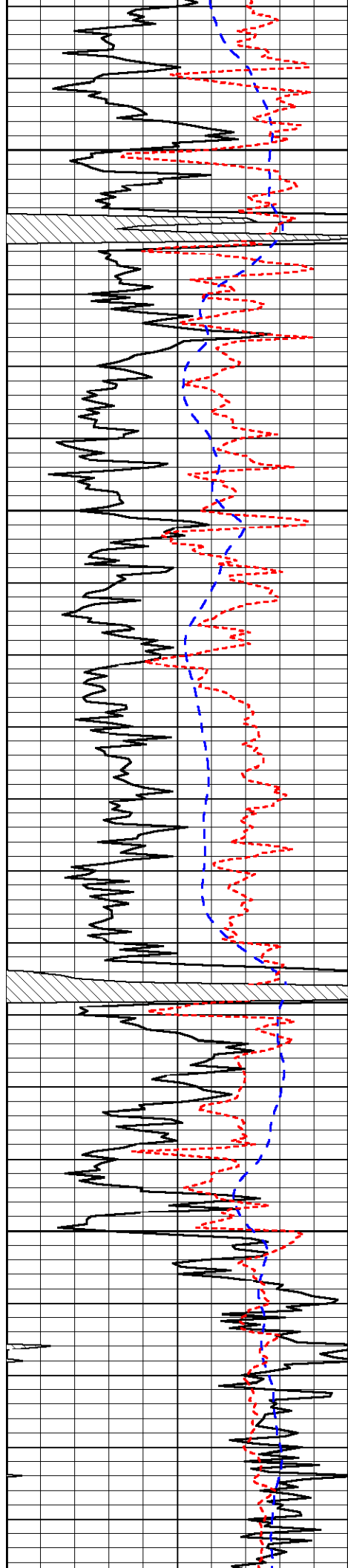
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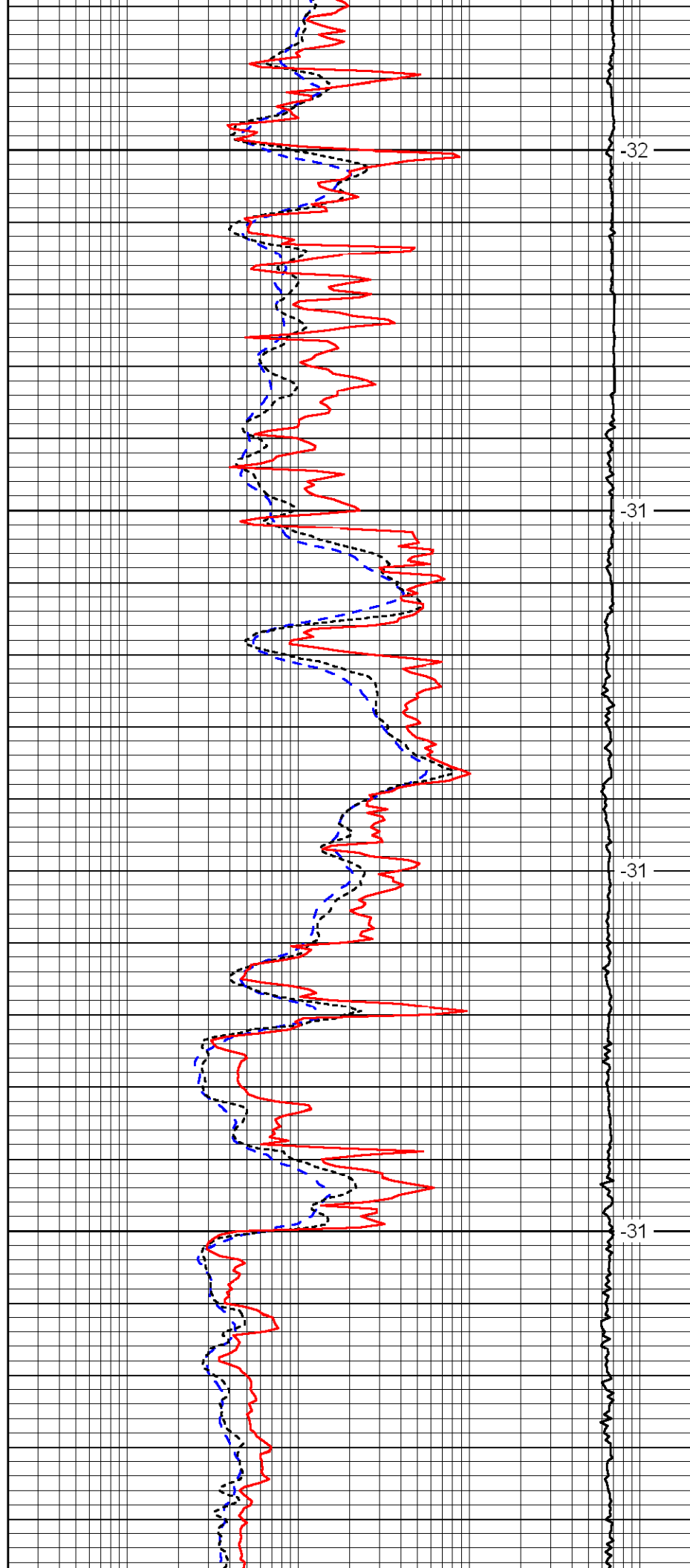


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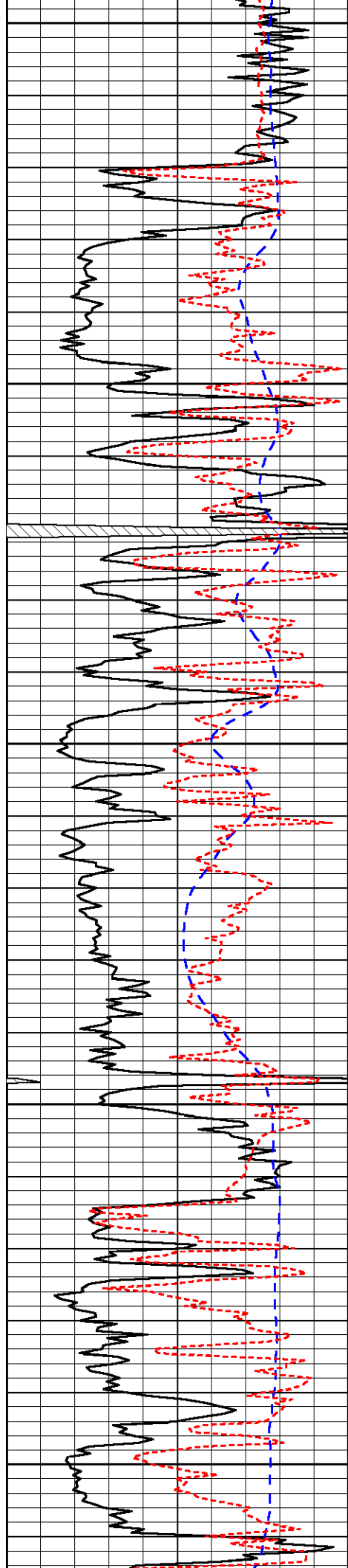


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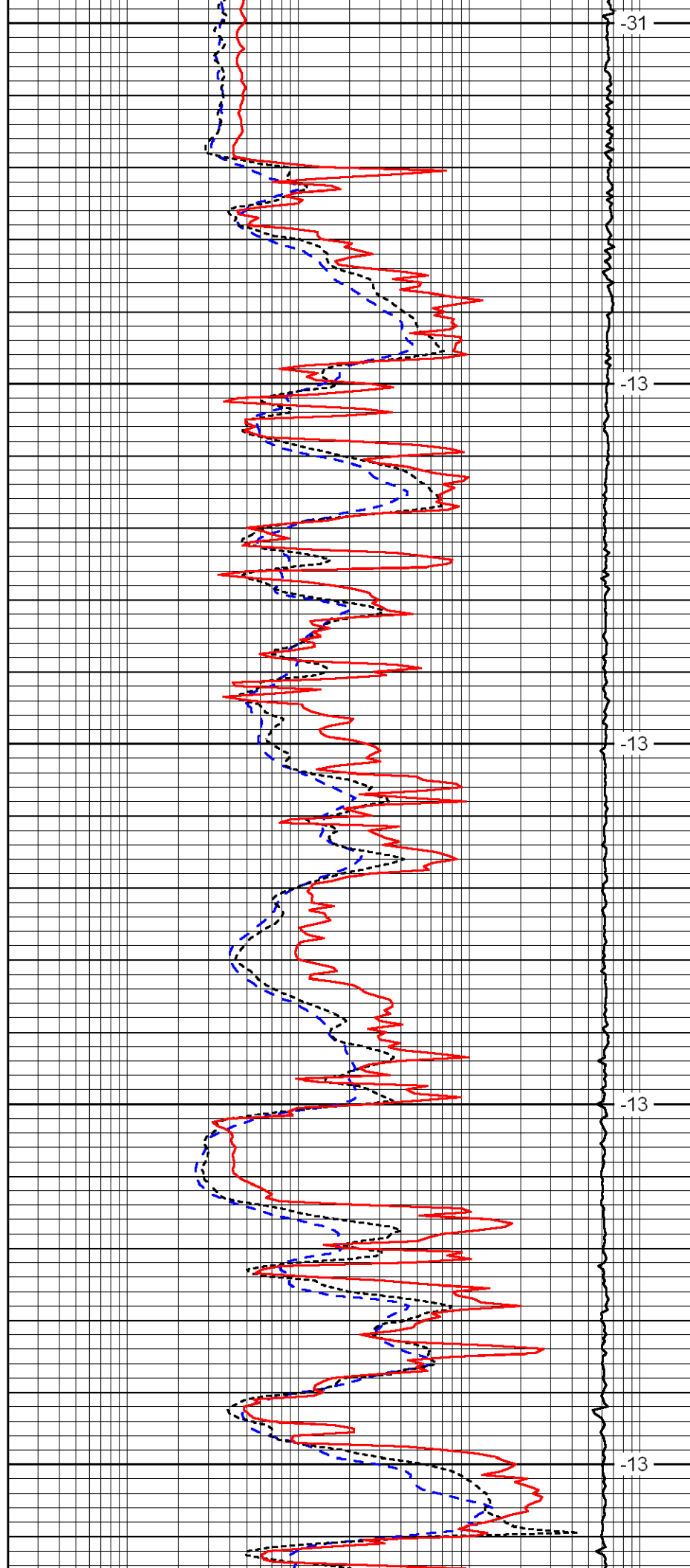
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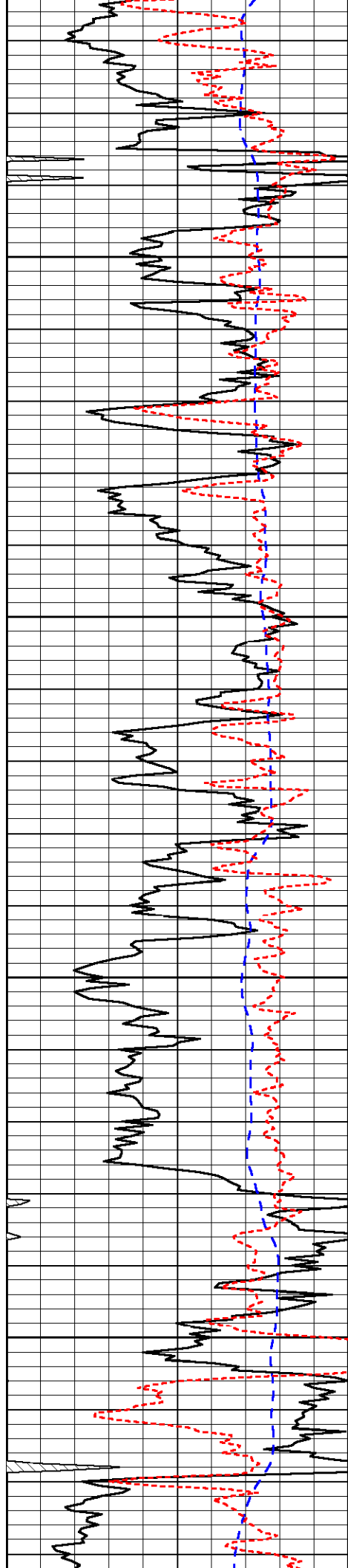
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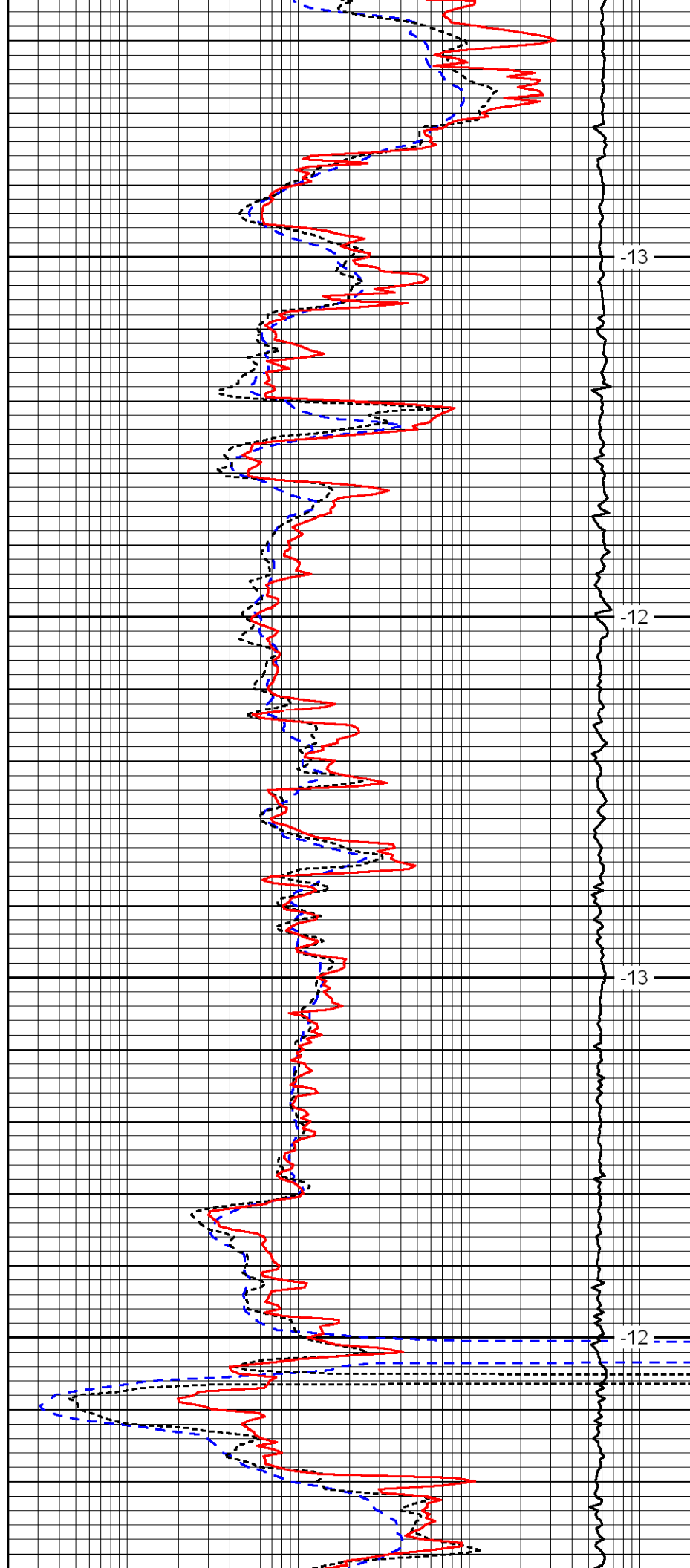


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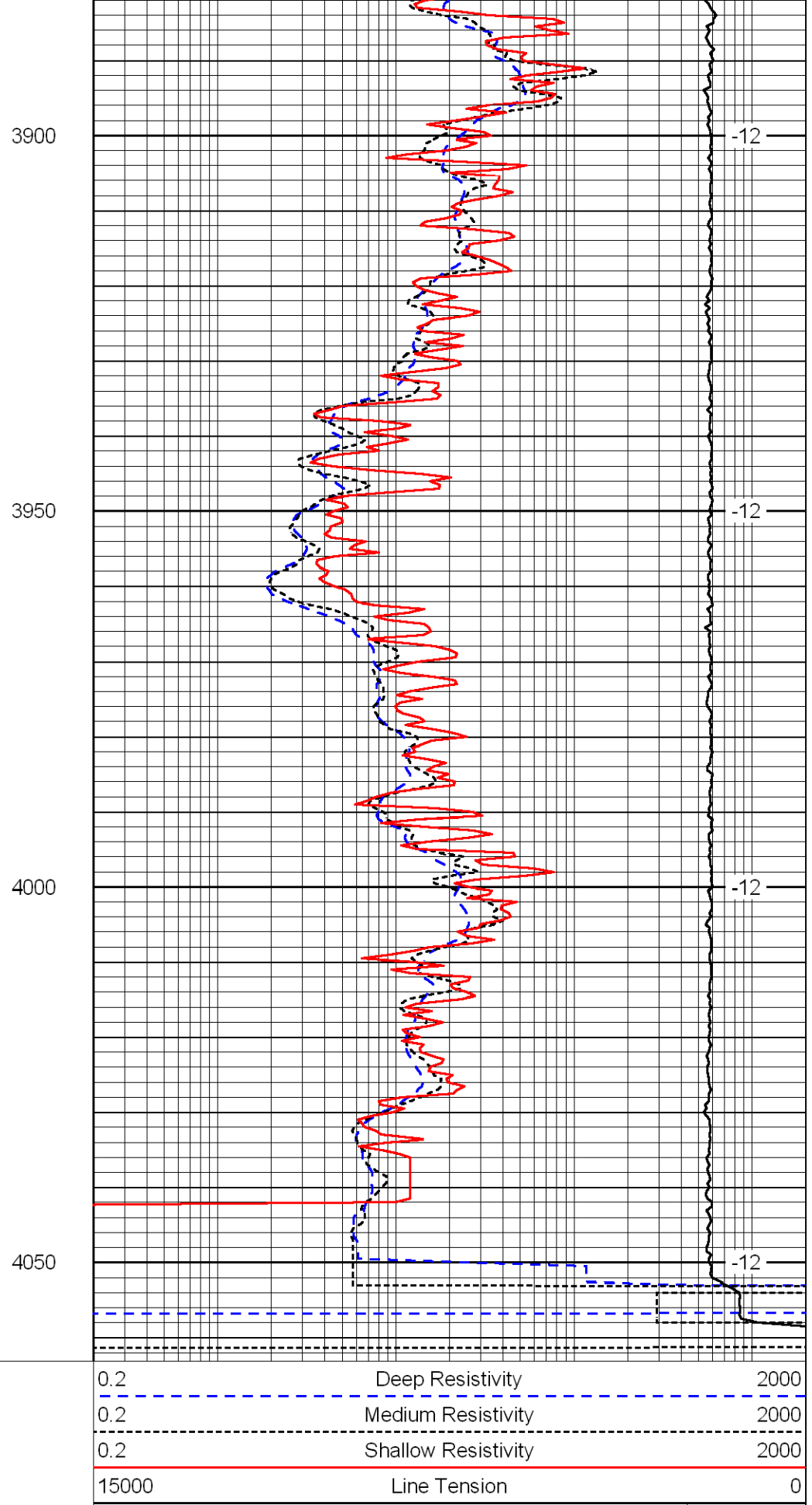
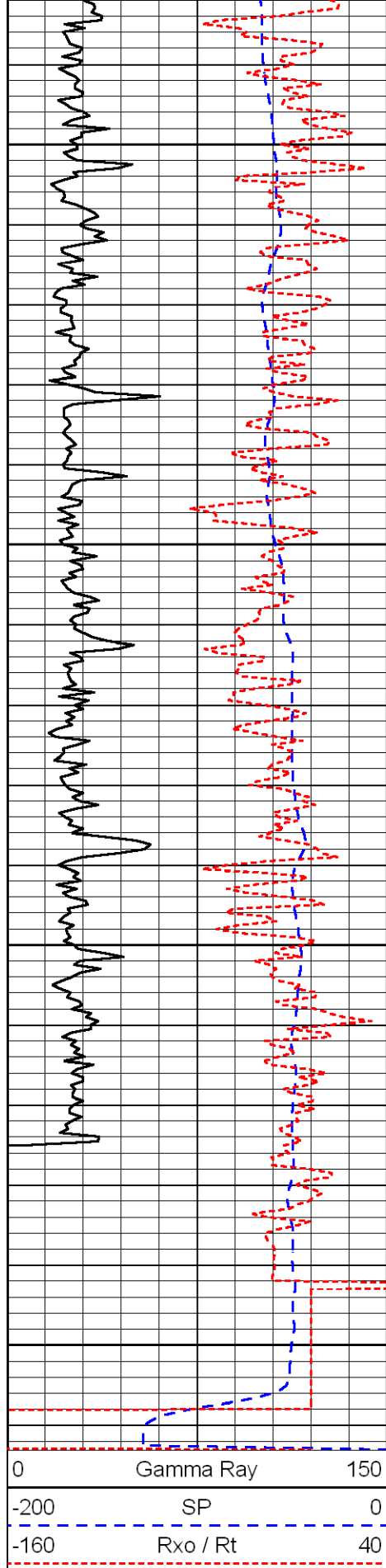


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LSPD