



DIGITAL LOG (785) 625-3858

Dual Induction Log

API No.

15-153-20,899-00-00

Company Murfin Drilling Company, Inc.

Well Zola Unit #1-1

Field

County Rawlins State Kansas

Location

NW NW SE NE  
1400' FNL & 1200' FEL

Other Services  
CNL/CDL  
MEL/BHCS

Sec: 1 Twp: 5 S Rge: 31 W

Permanent Datum Ground Level Elevation 2866

Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Elevation

K.B. 2871

D.F. 2866

G.L. 2866

Date 5/3/2012

Run Number One

Depth Driller 4490

Depth Logger 4492

Bottom Logged Interval 4491

Top Log Interval 0

Casing Driller 8.625 @ 220

Casing Logger 219

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity,ppm CL 1500

Density / Viscosity 9.3 50

pH / Fluid Loss 11.0 6.0

Source of Sample Flowline

Rm @ Meas. Temp .55 @ 82

Rmf @ Meas. Temp .41 @ 82

Rmc @ Meas. Temp .74 @ 82

Source of Rmf / Rmc Charts

Rm @ BHT .37 @ 121

Operating Rig Time 4 1/2 Hours

Max Rec. Temp. F 121

Equipment Number 15

Location Hays

Recorded By D.Kerr

Witnessed By Mikeal K. Maune

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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

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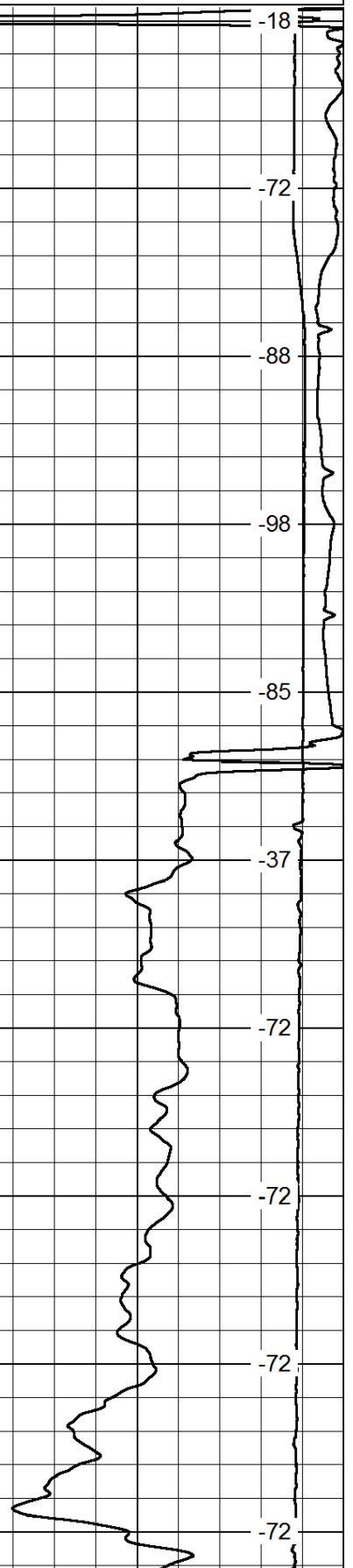
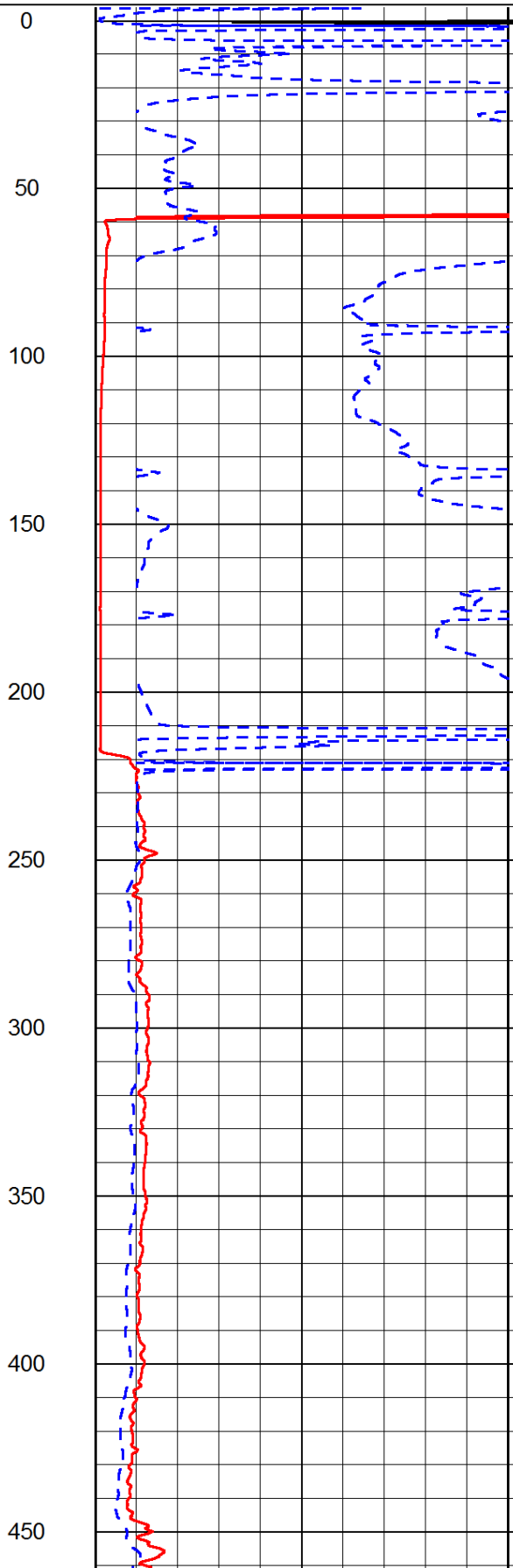
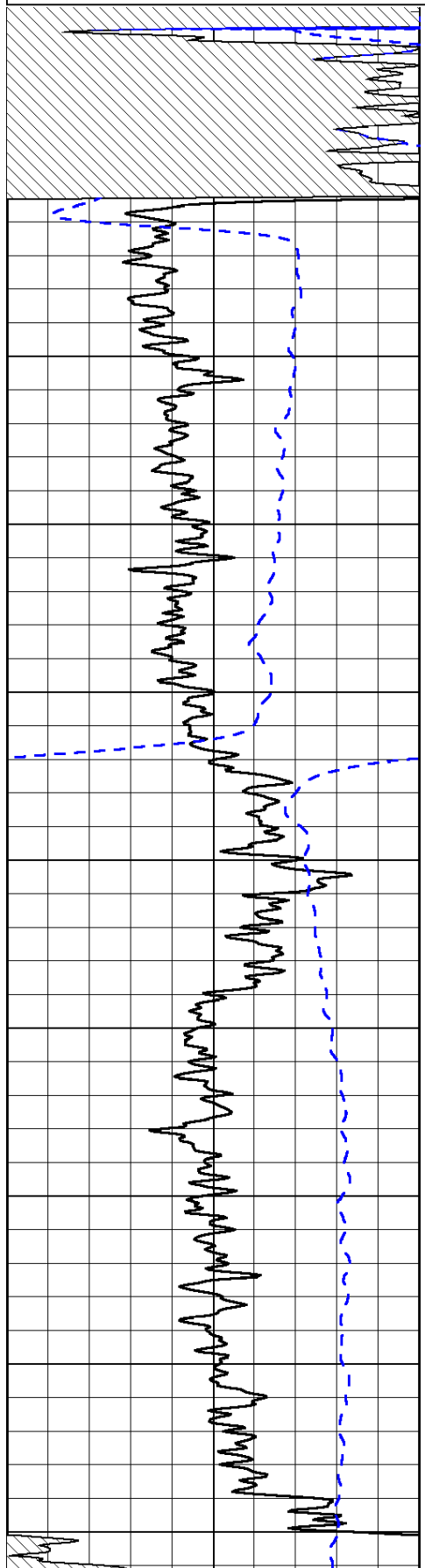
Rexford KS, North to the Y,  
1 West, 6 North ( Around Curves),  
1 East, NorthEast Into.

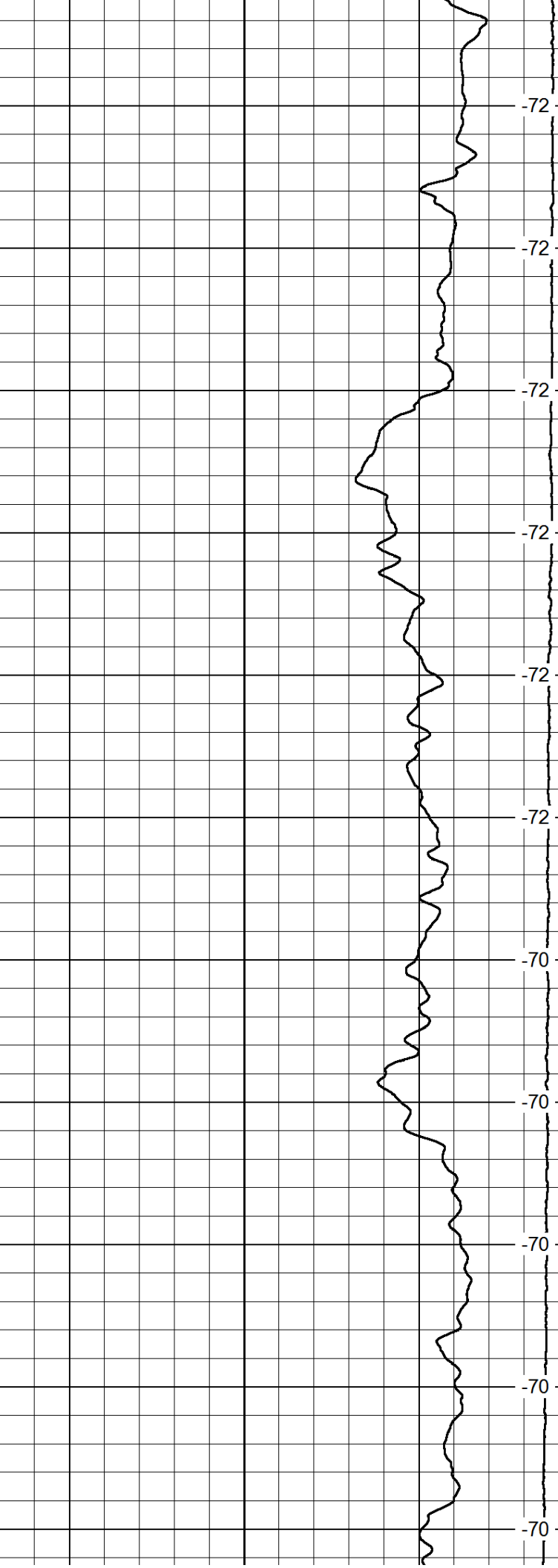
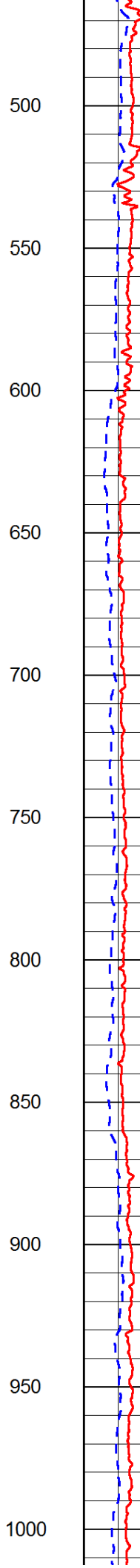
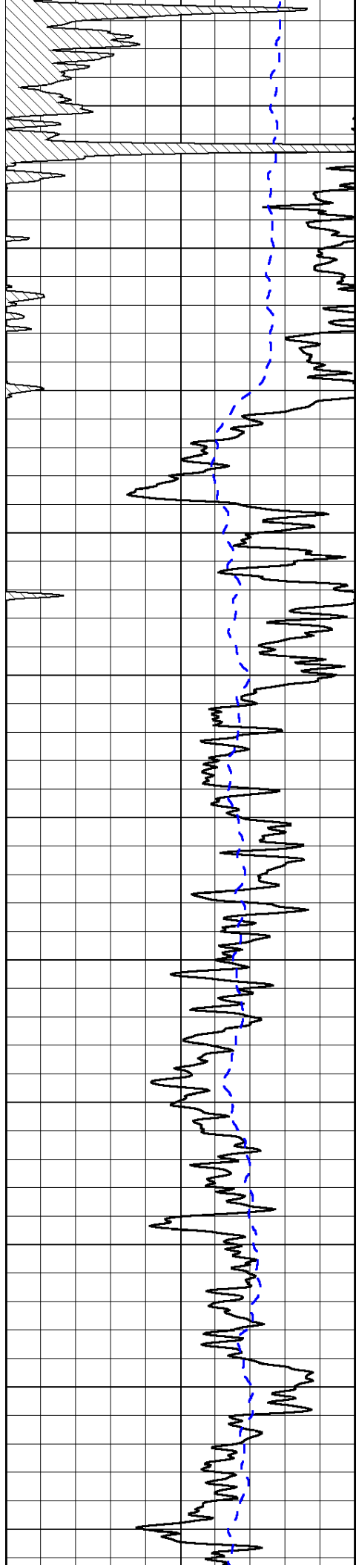
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Presentation Format: dil2in  
Dataset Creation: Thu May 03 13:46:59 2012  
Charted by: Depth in Feet scaled 1:600

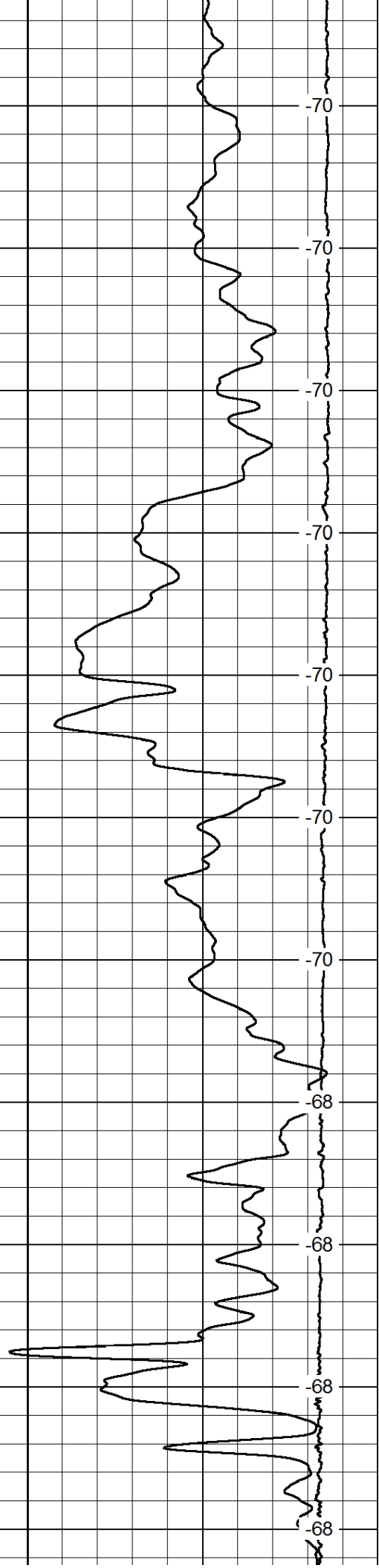
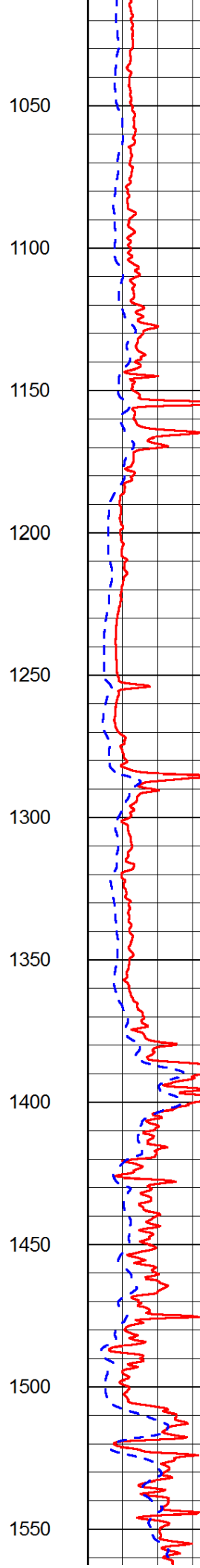
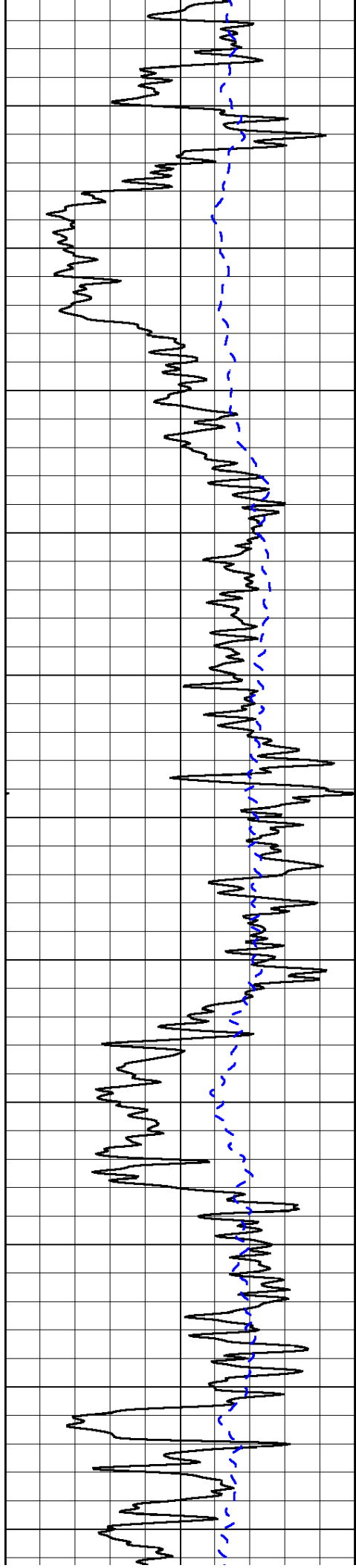
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-200	SP (mV)	0

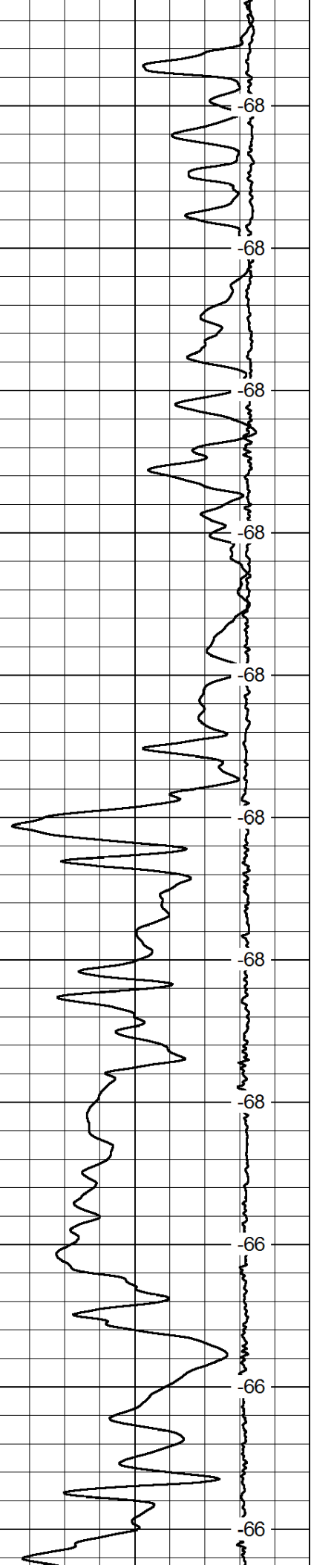
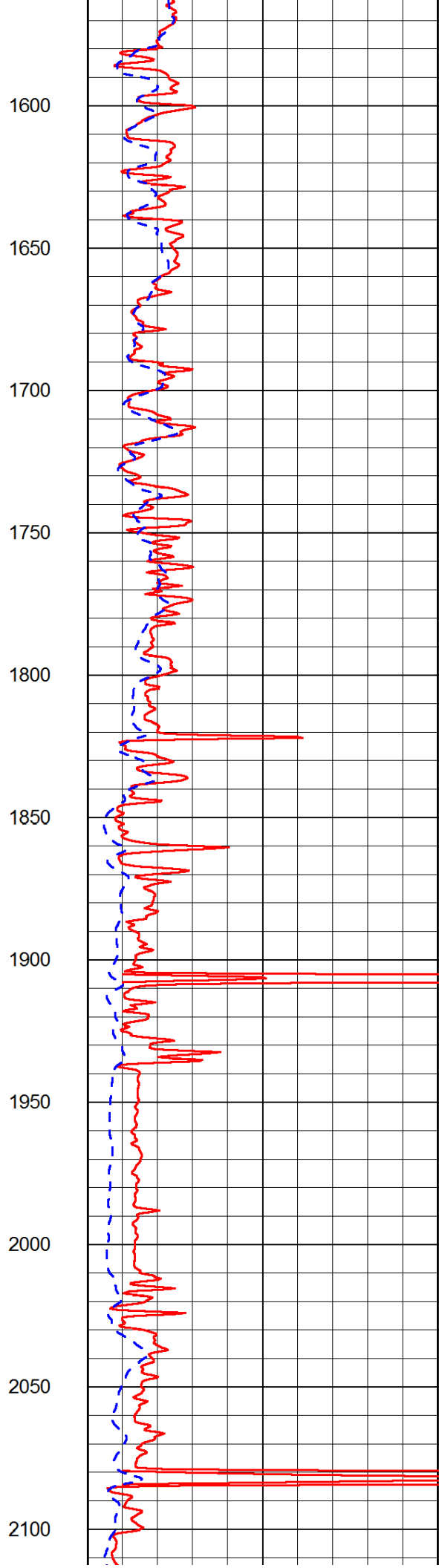
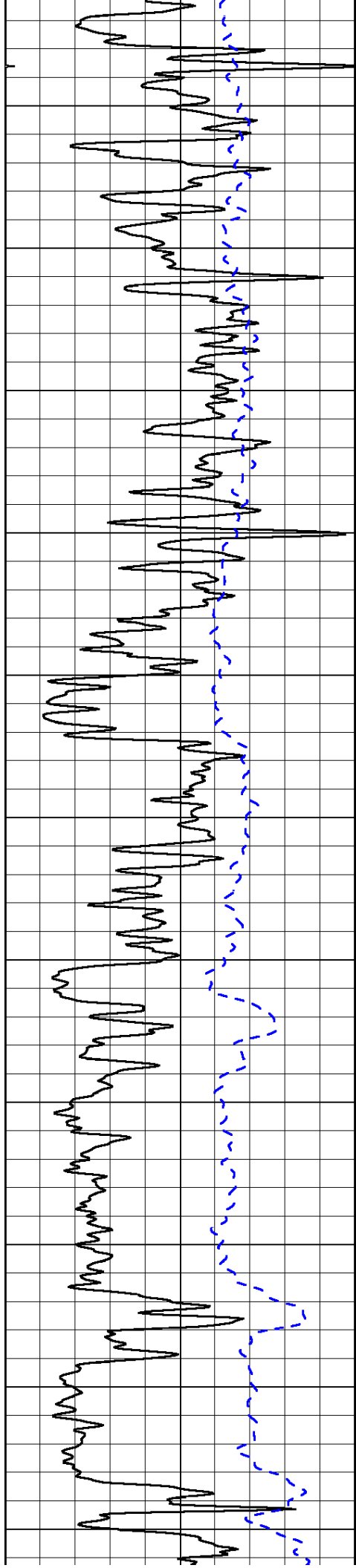
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0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

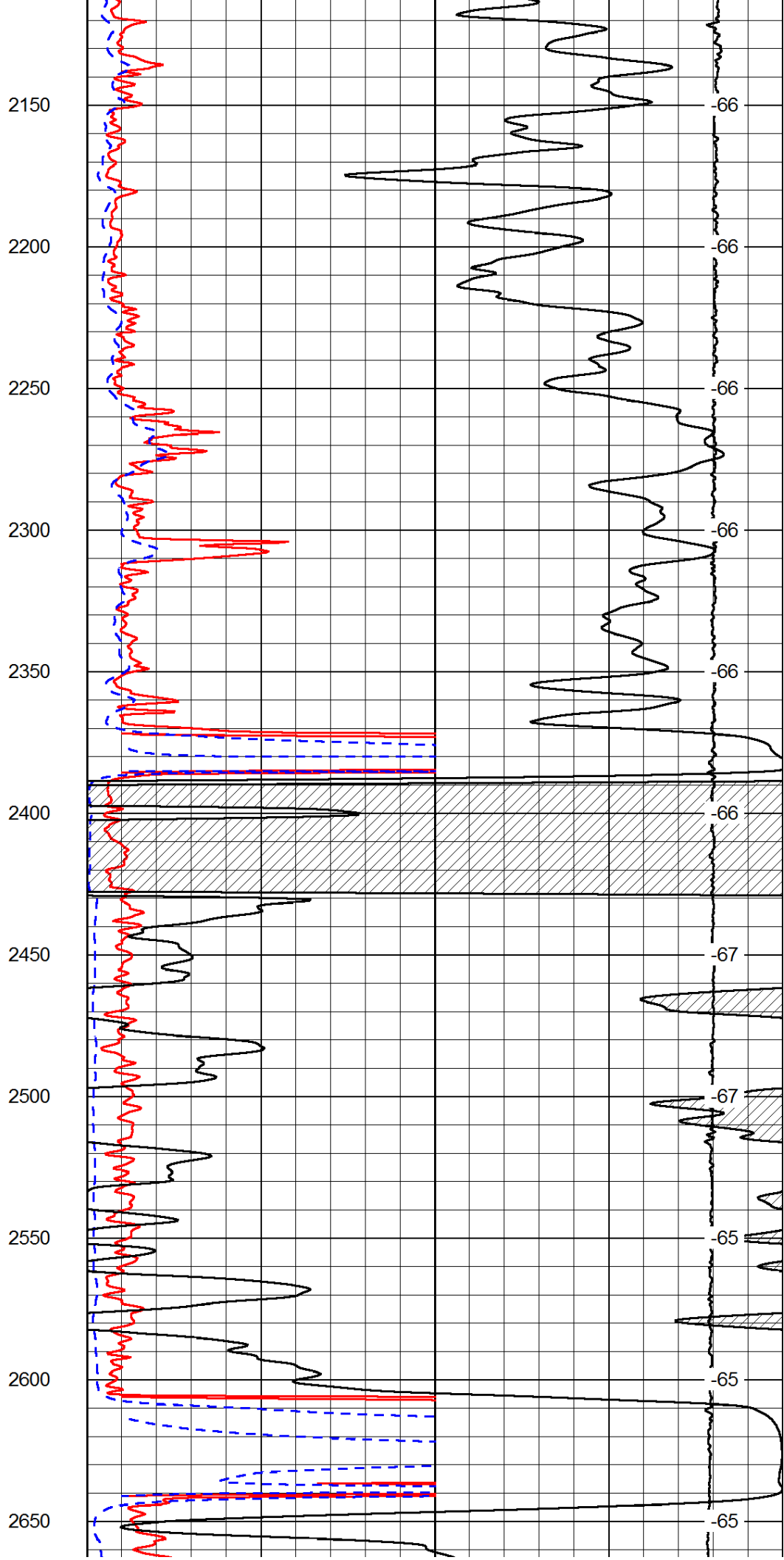
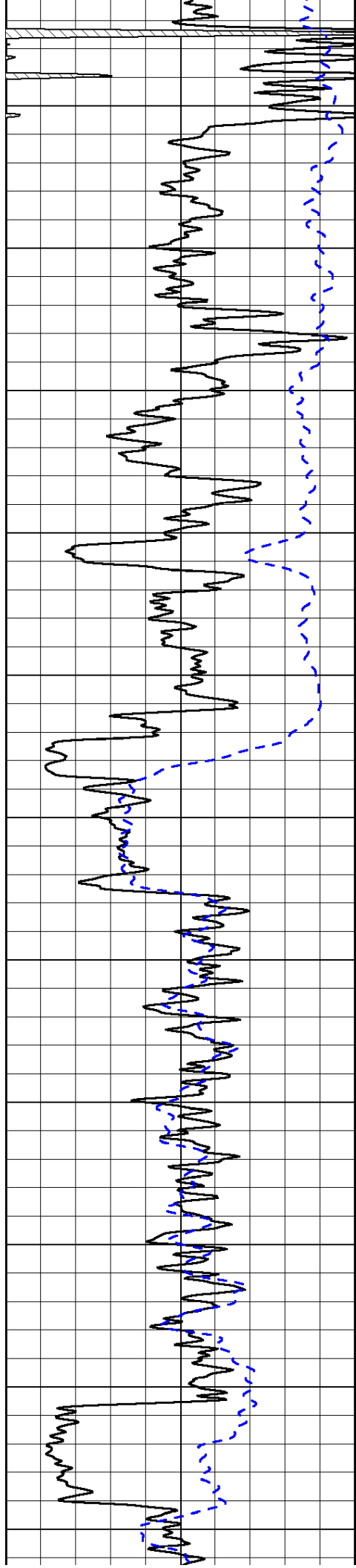
LSPD
0
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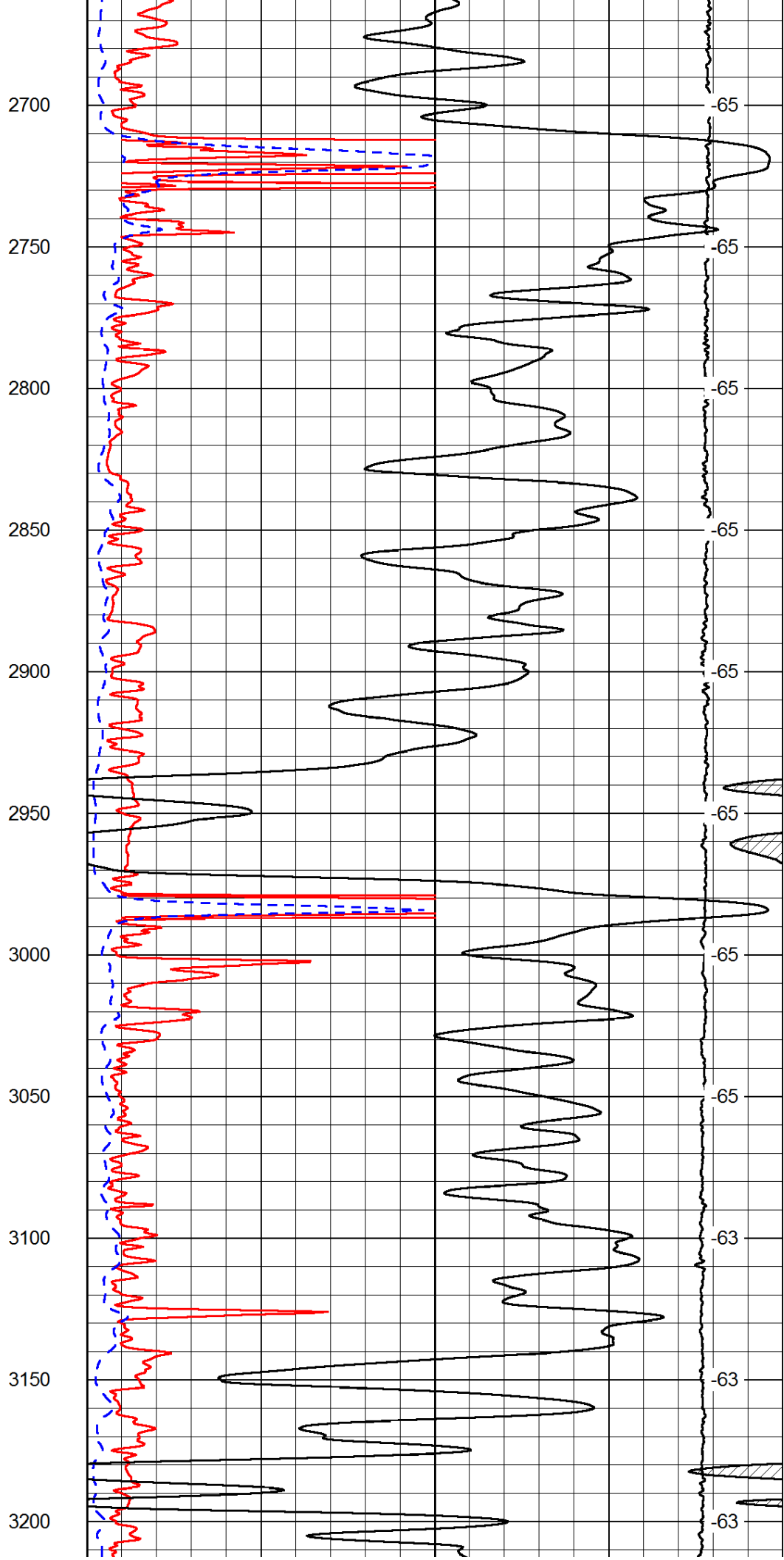
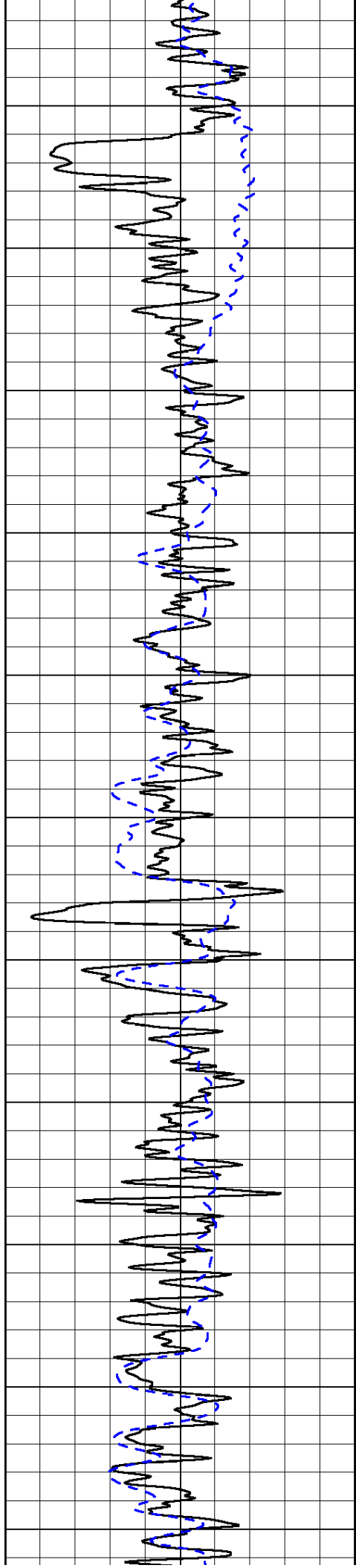


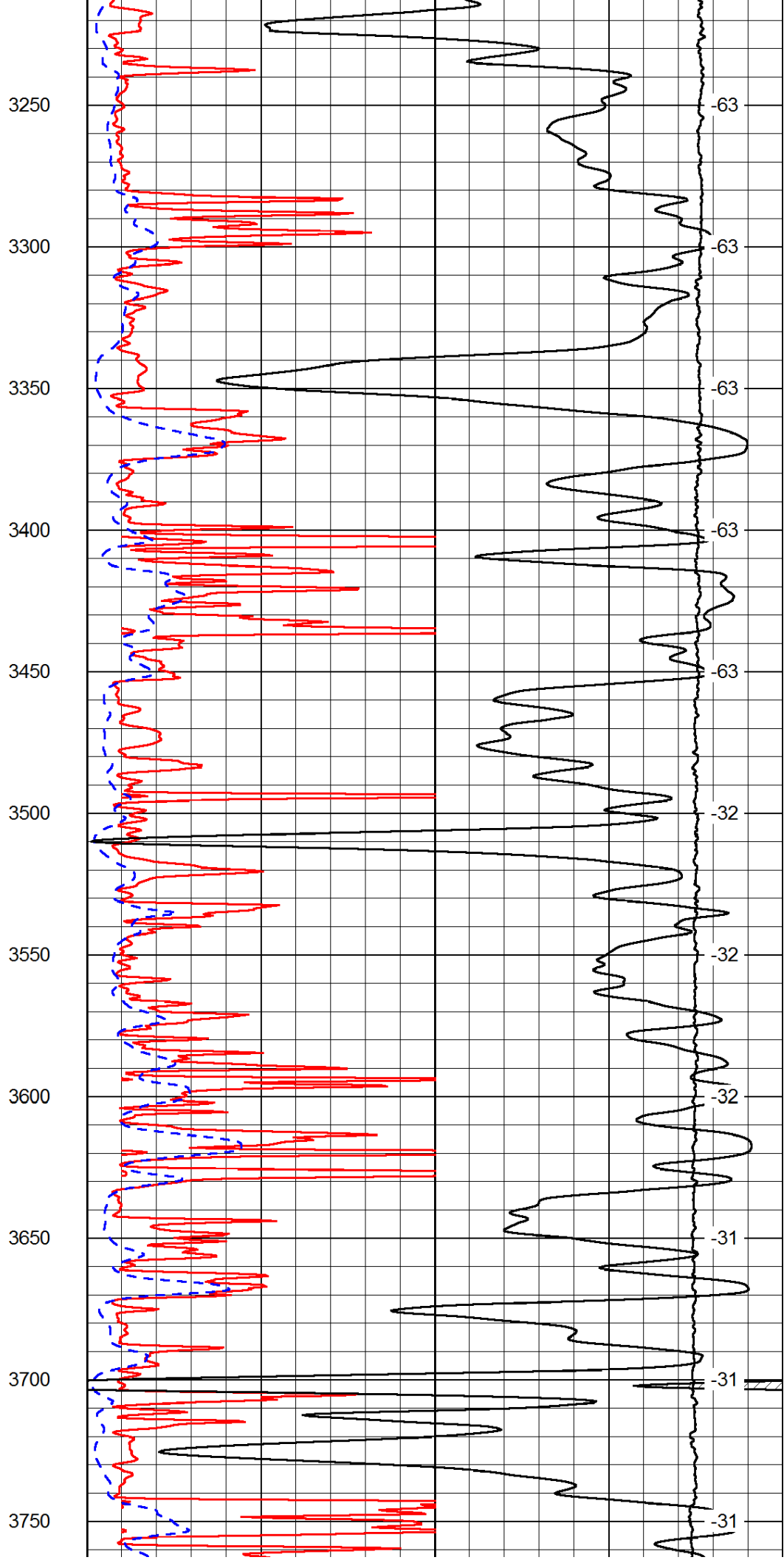
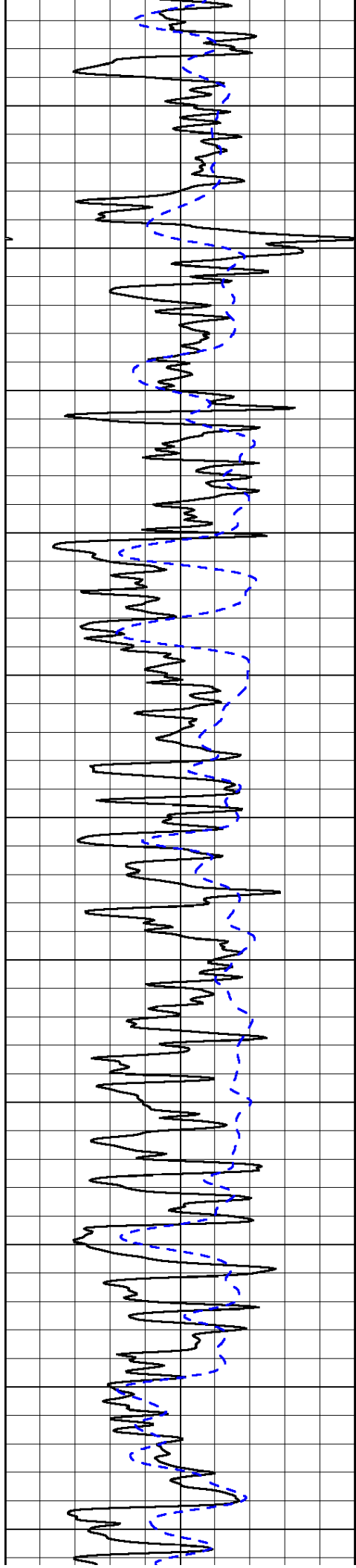




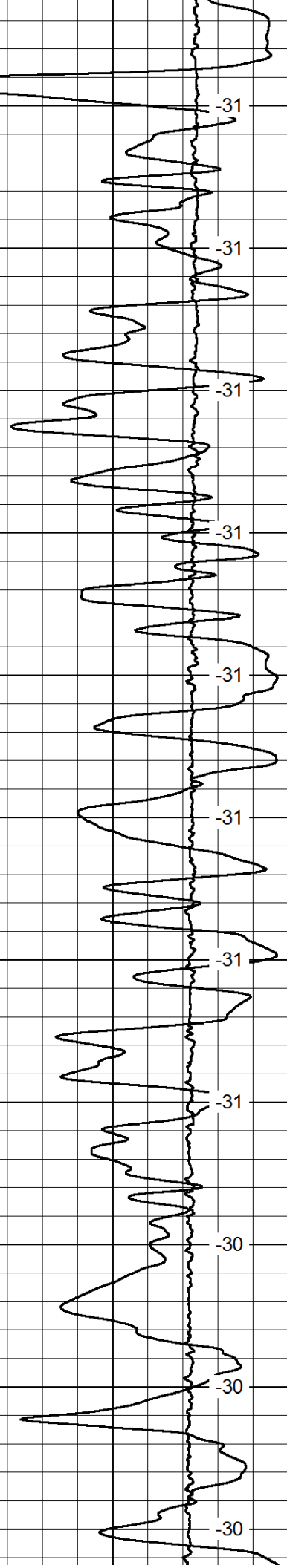
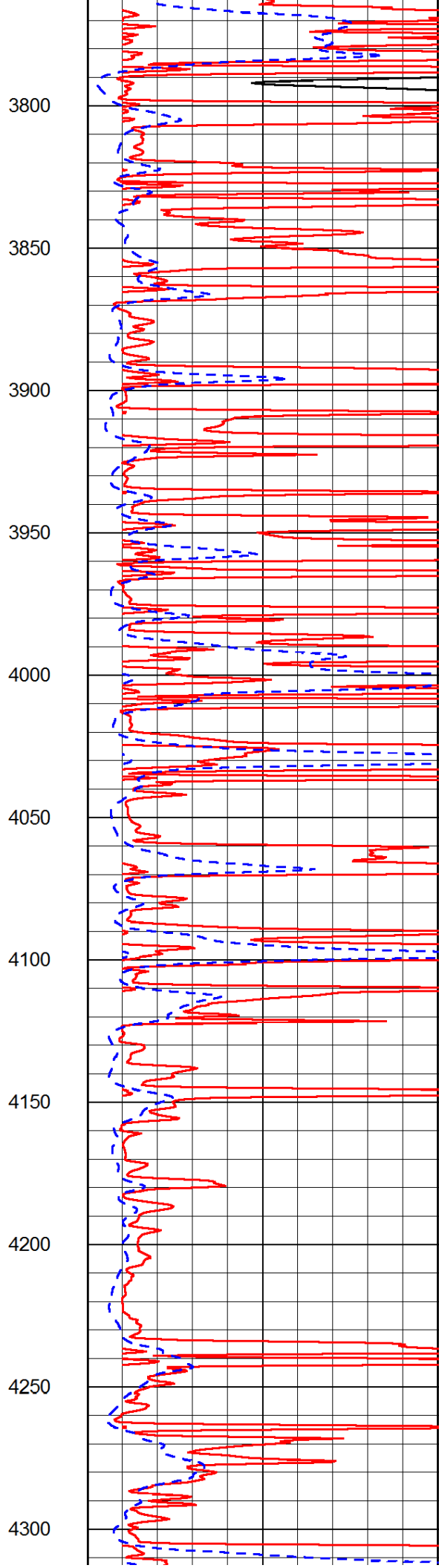
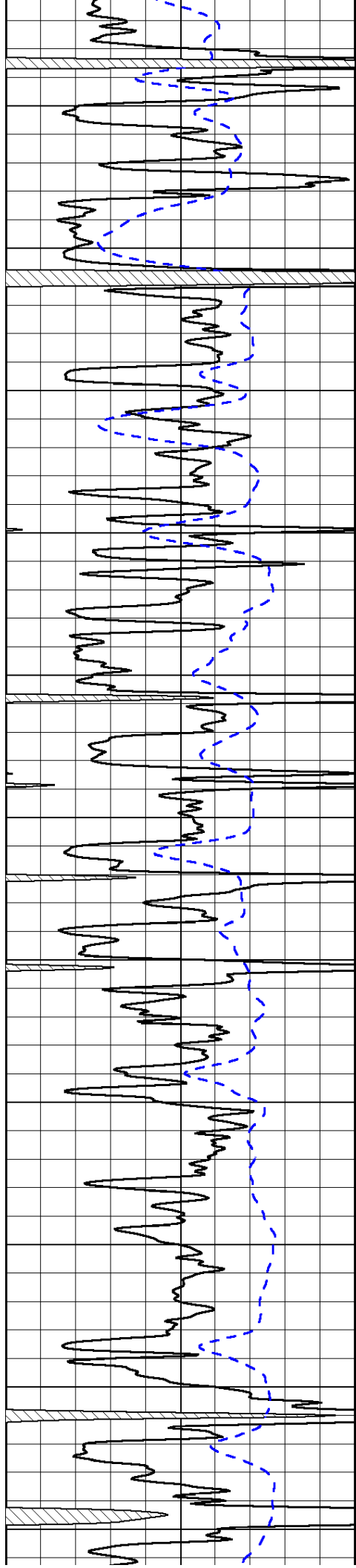












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3900

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4150

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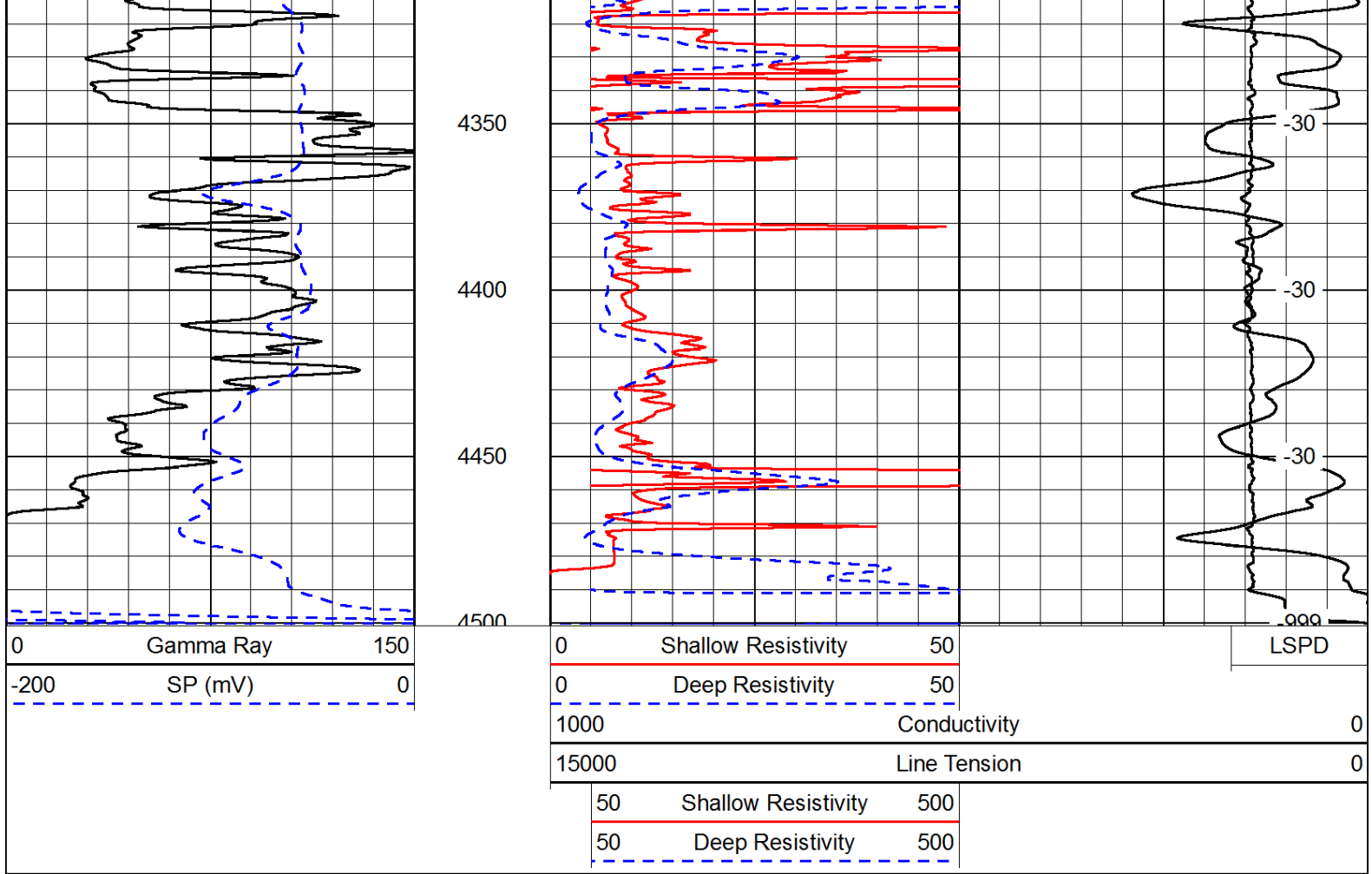
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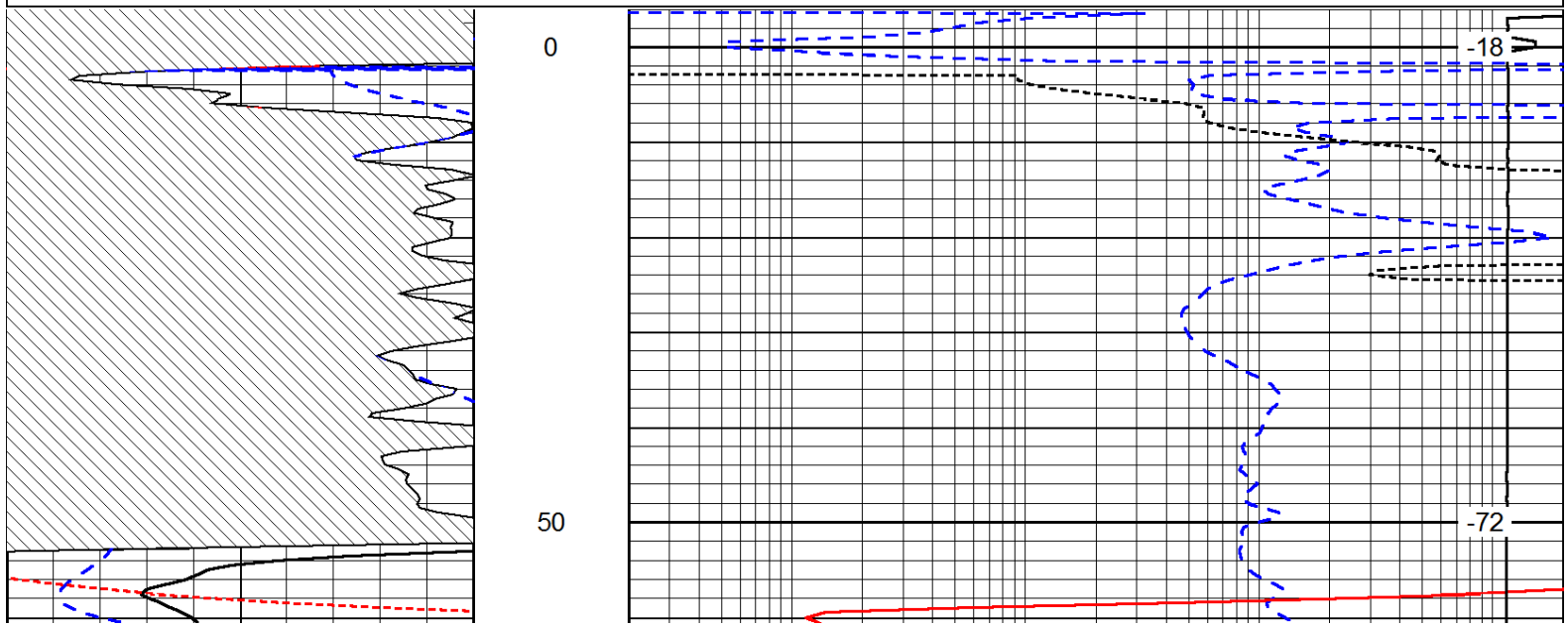
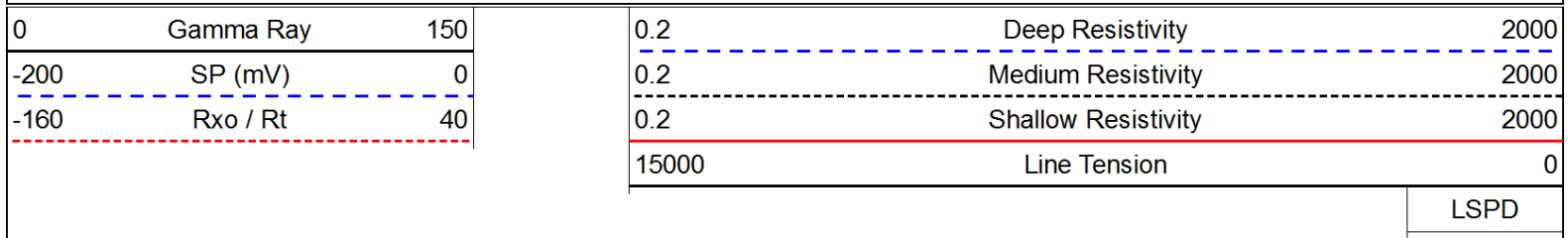
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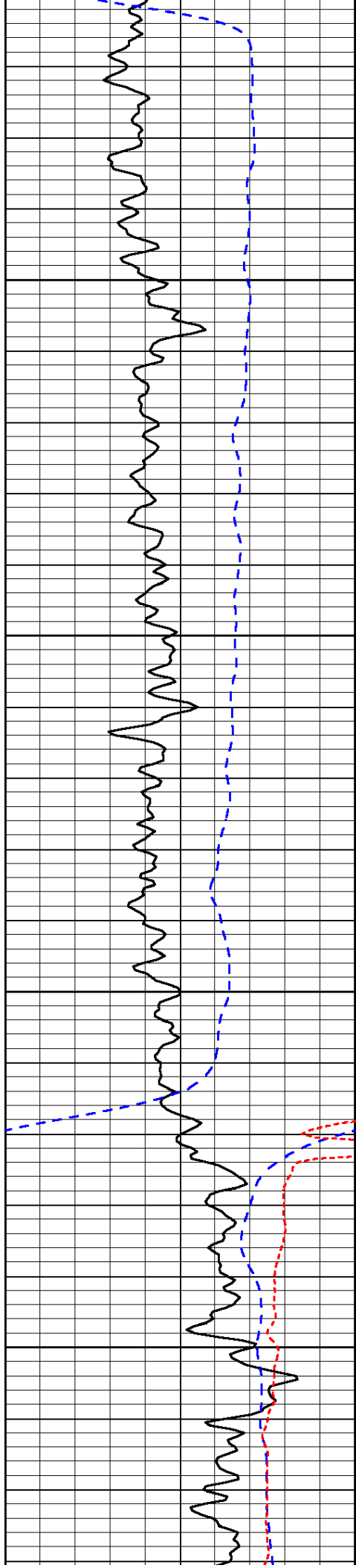
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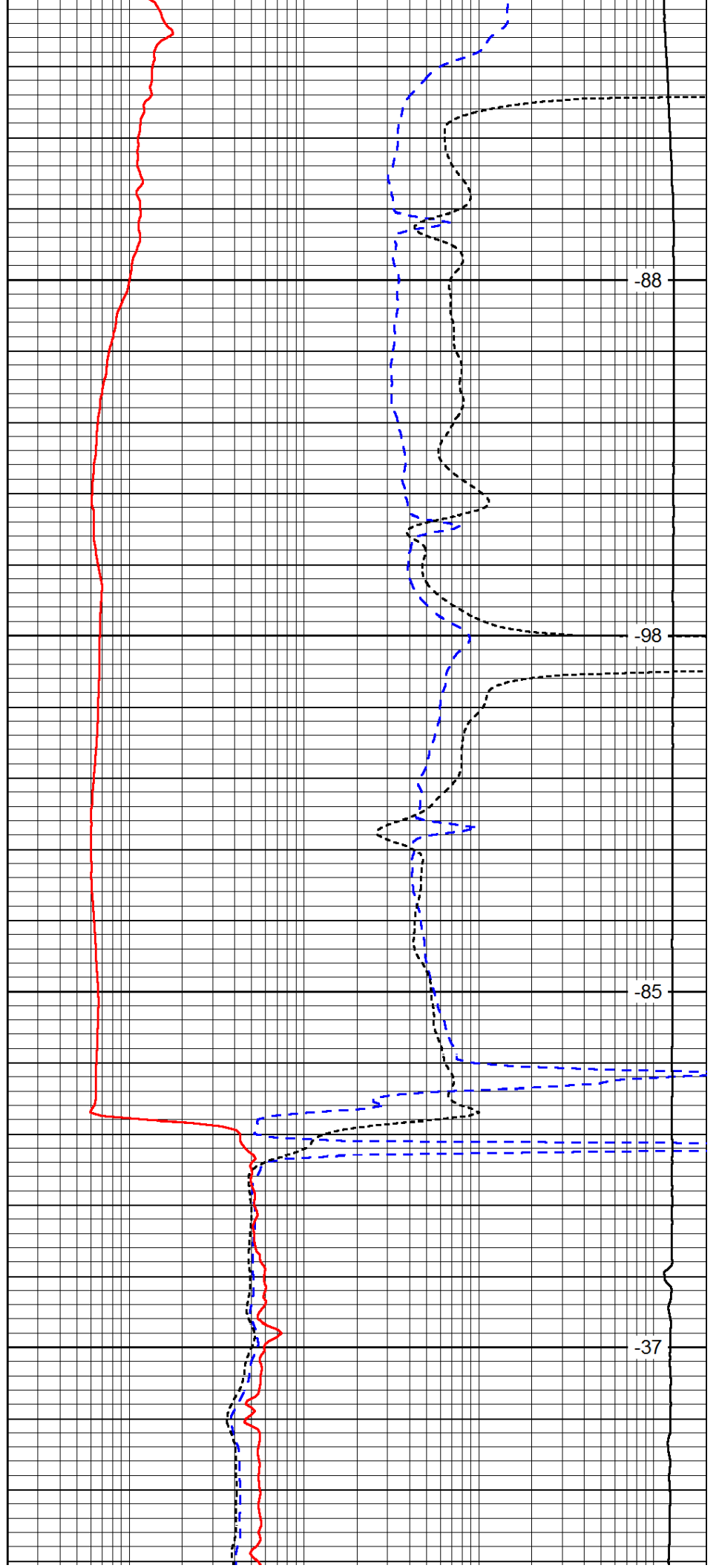


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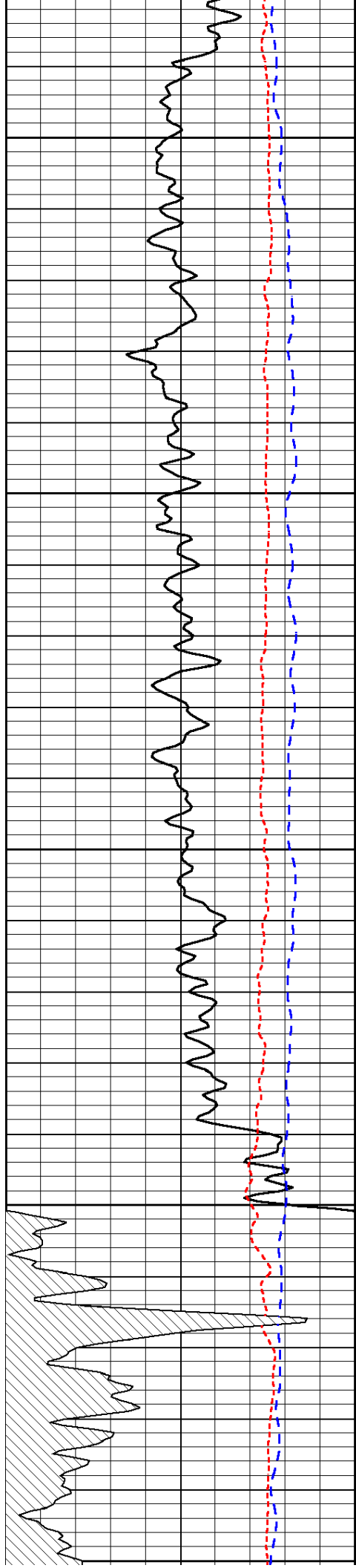


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400

450

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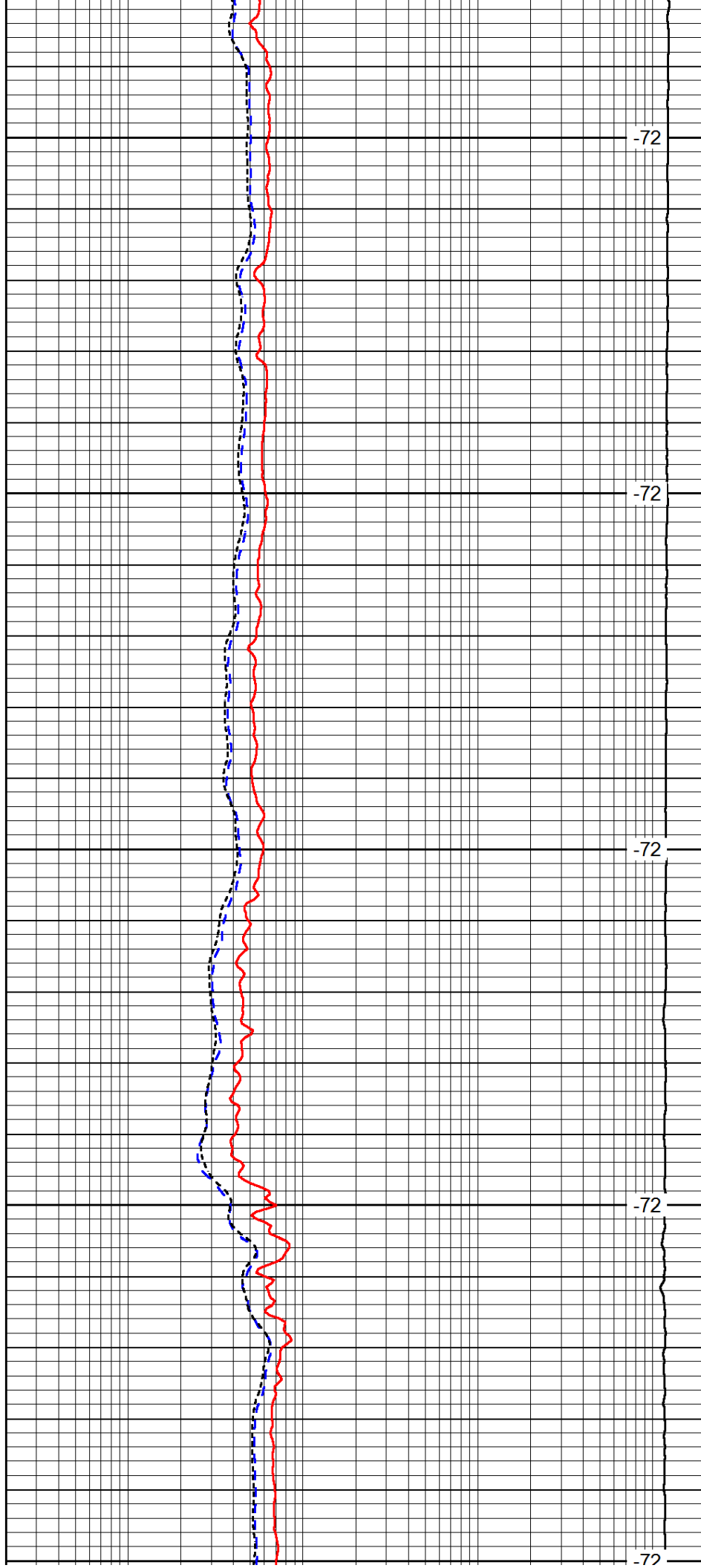
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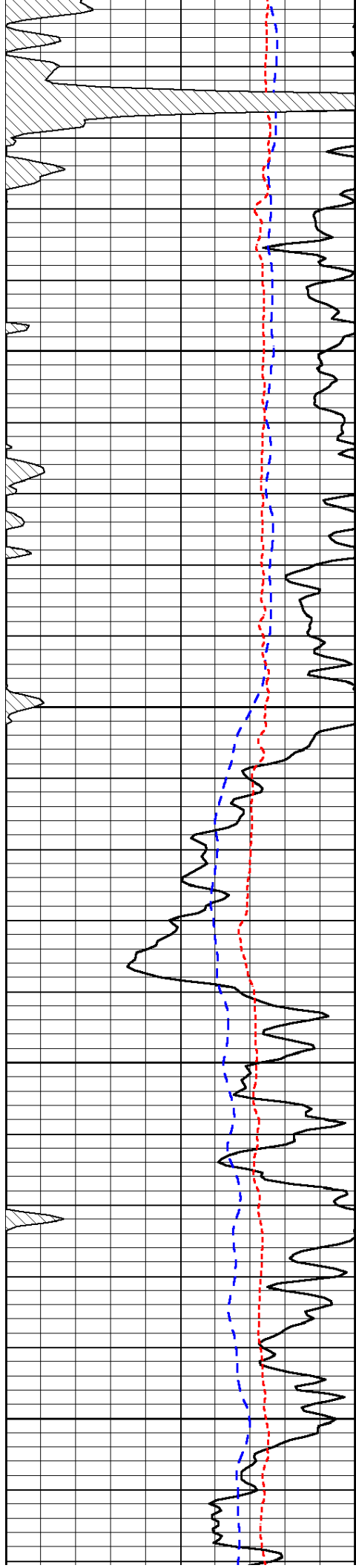
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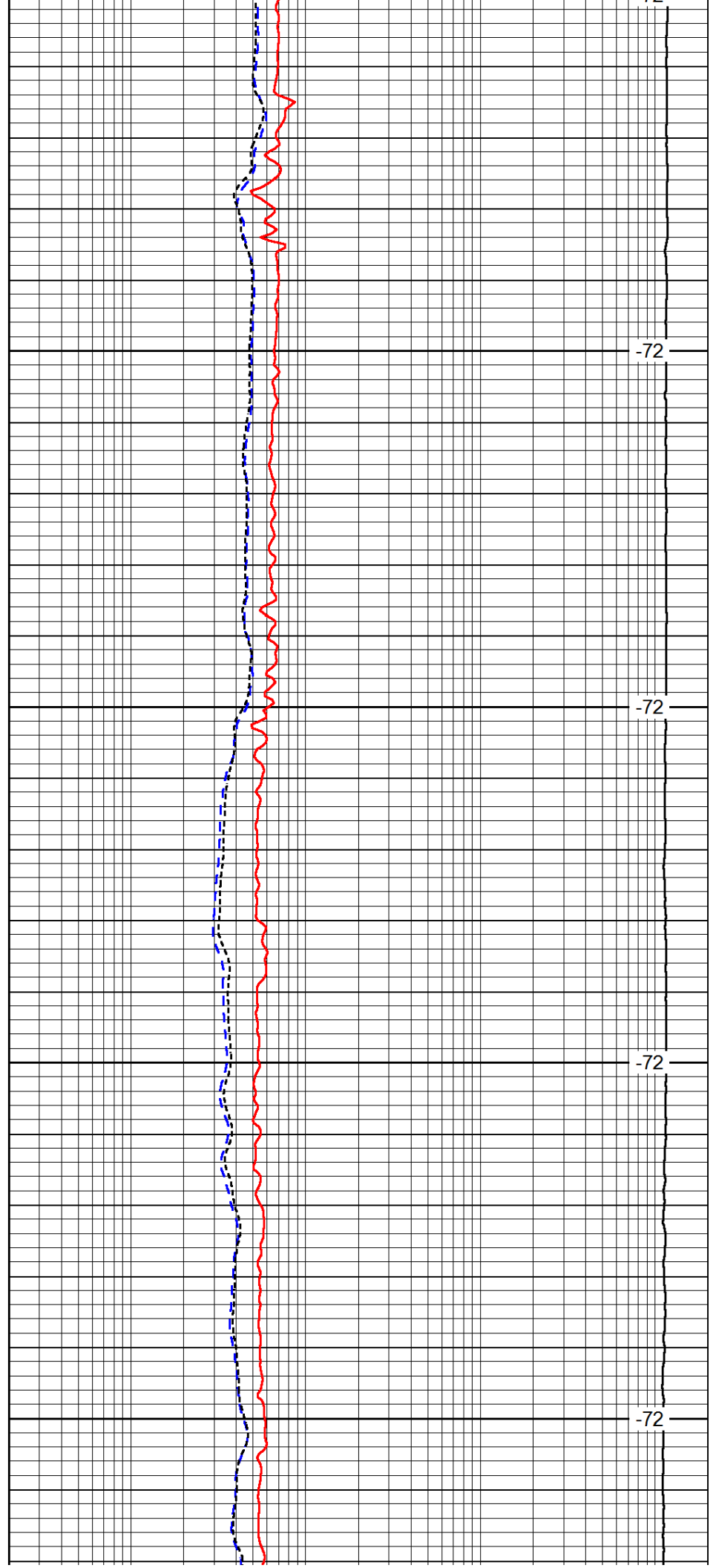


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600

650

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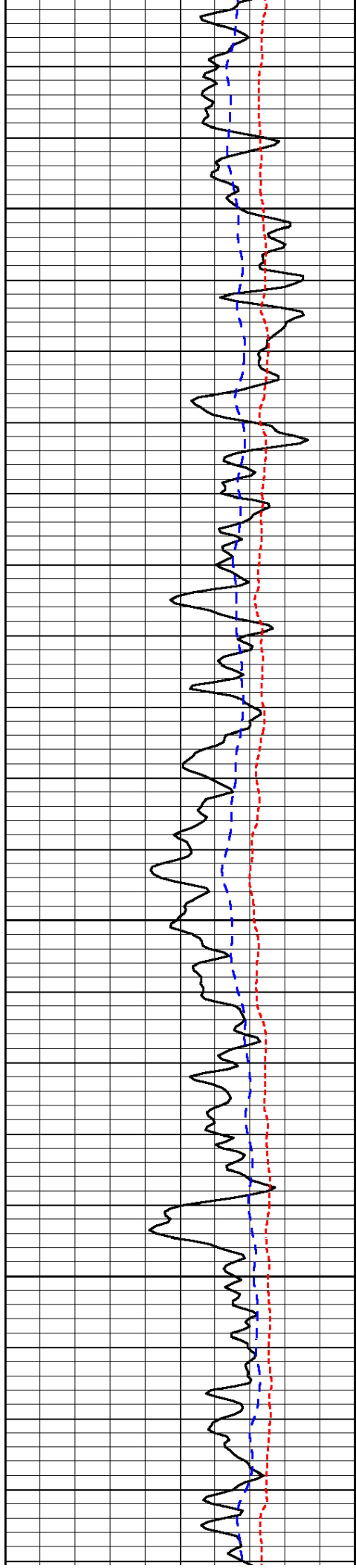


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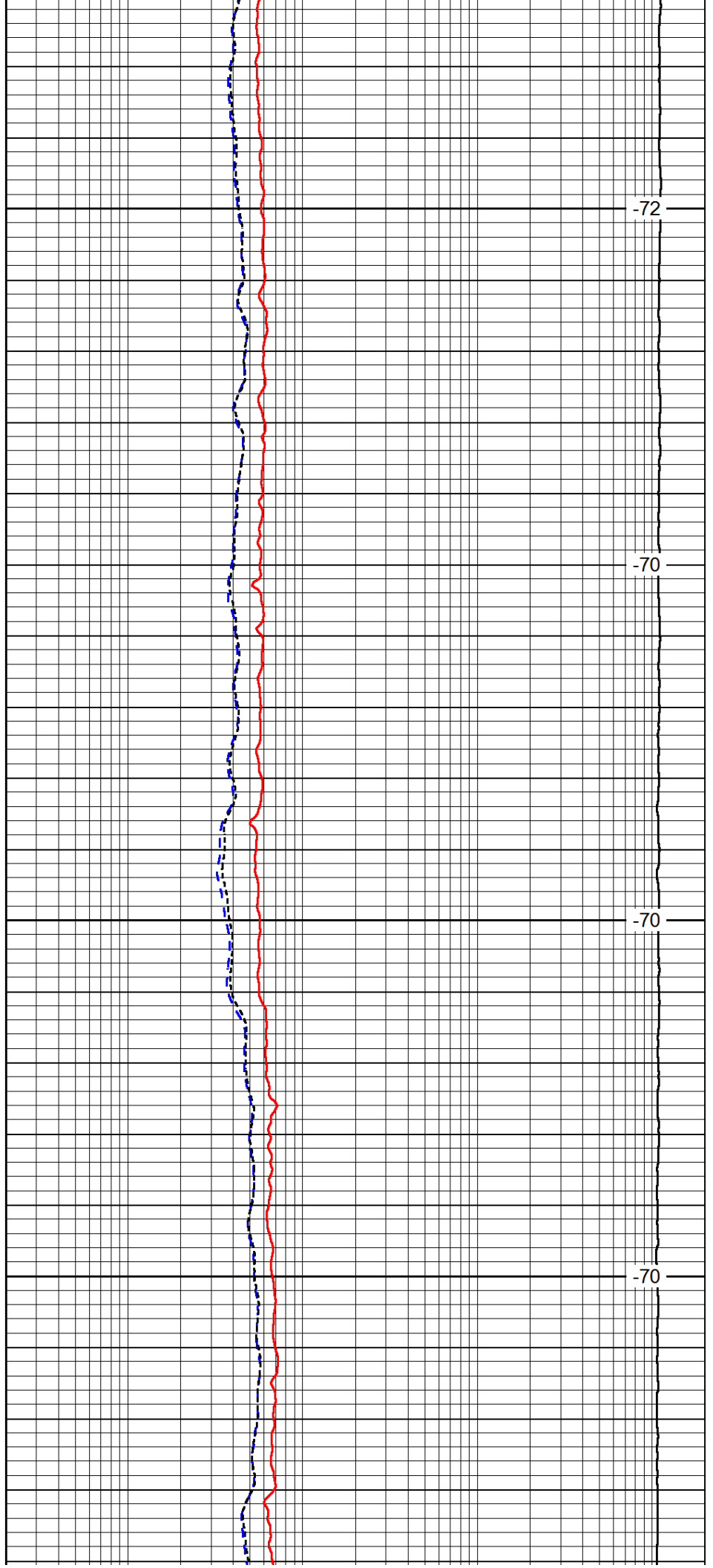


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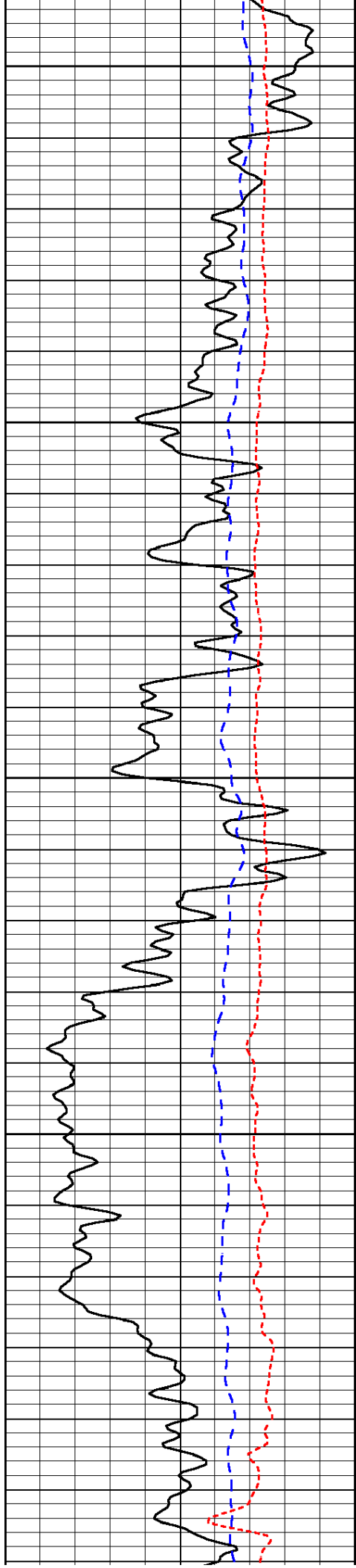


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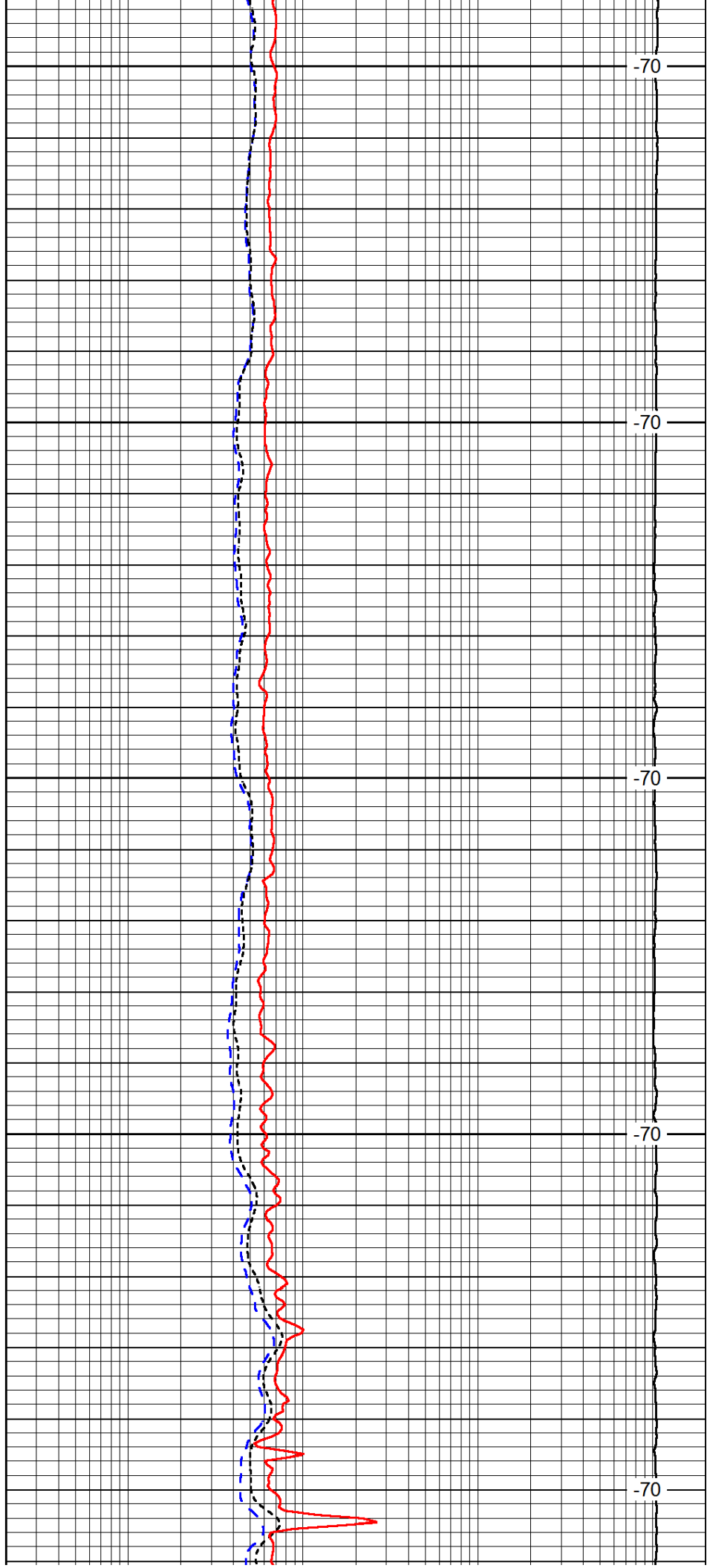
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1000

1050

1100

1150



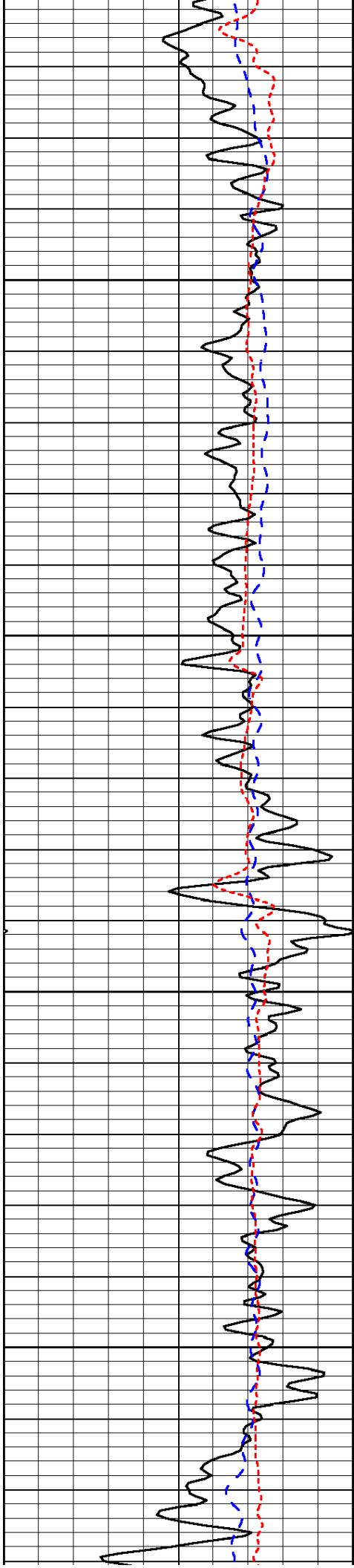
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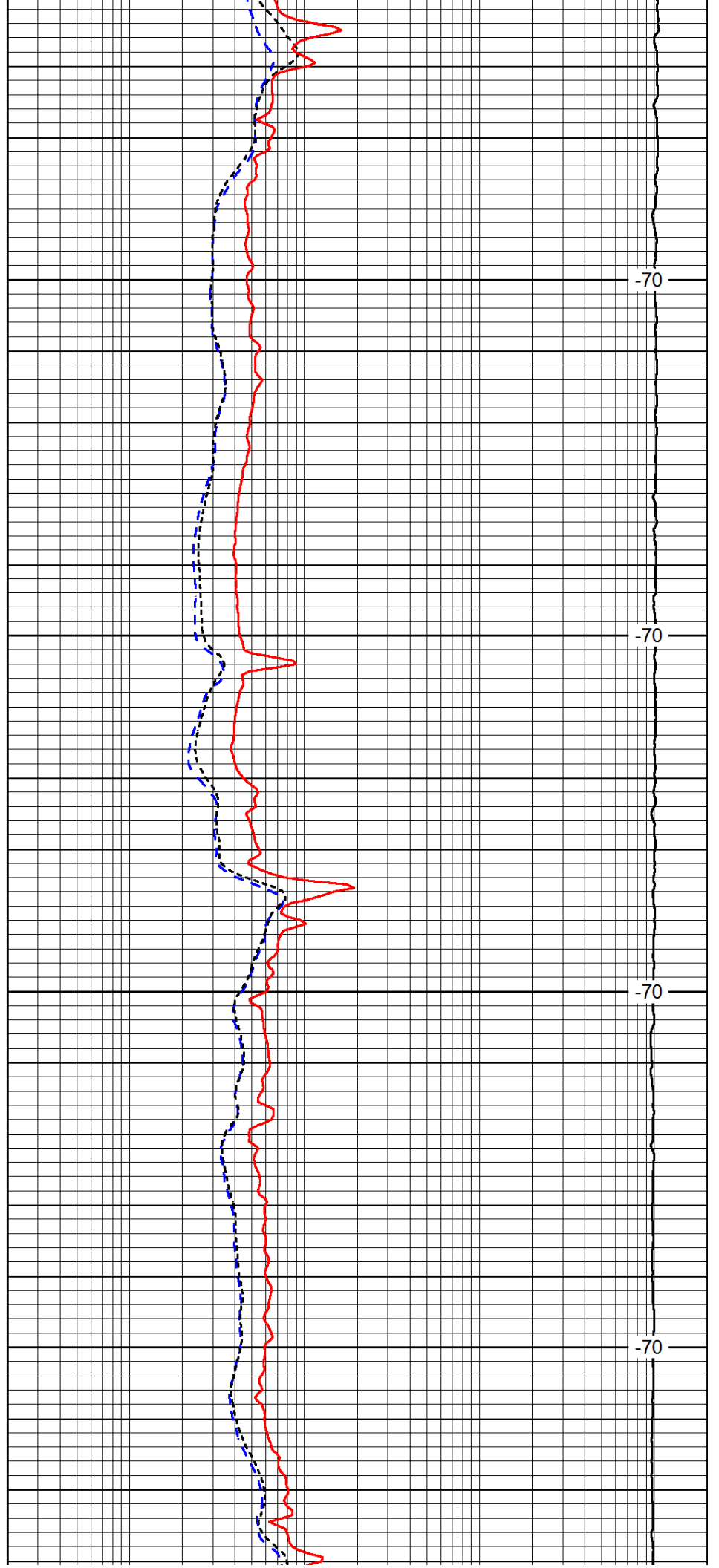


1200

1250

1300

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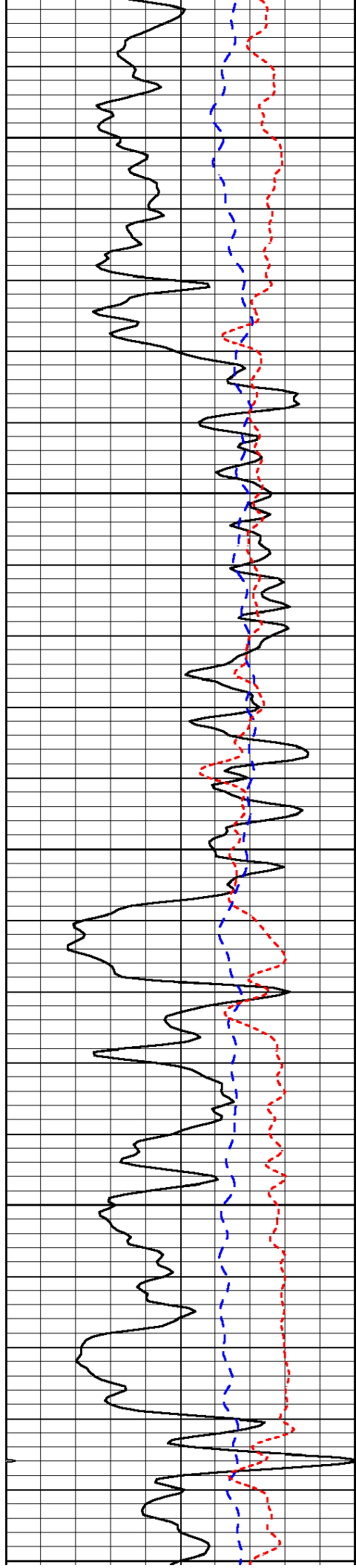
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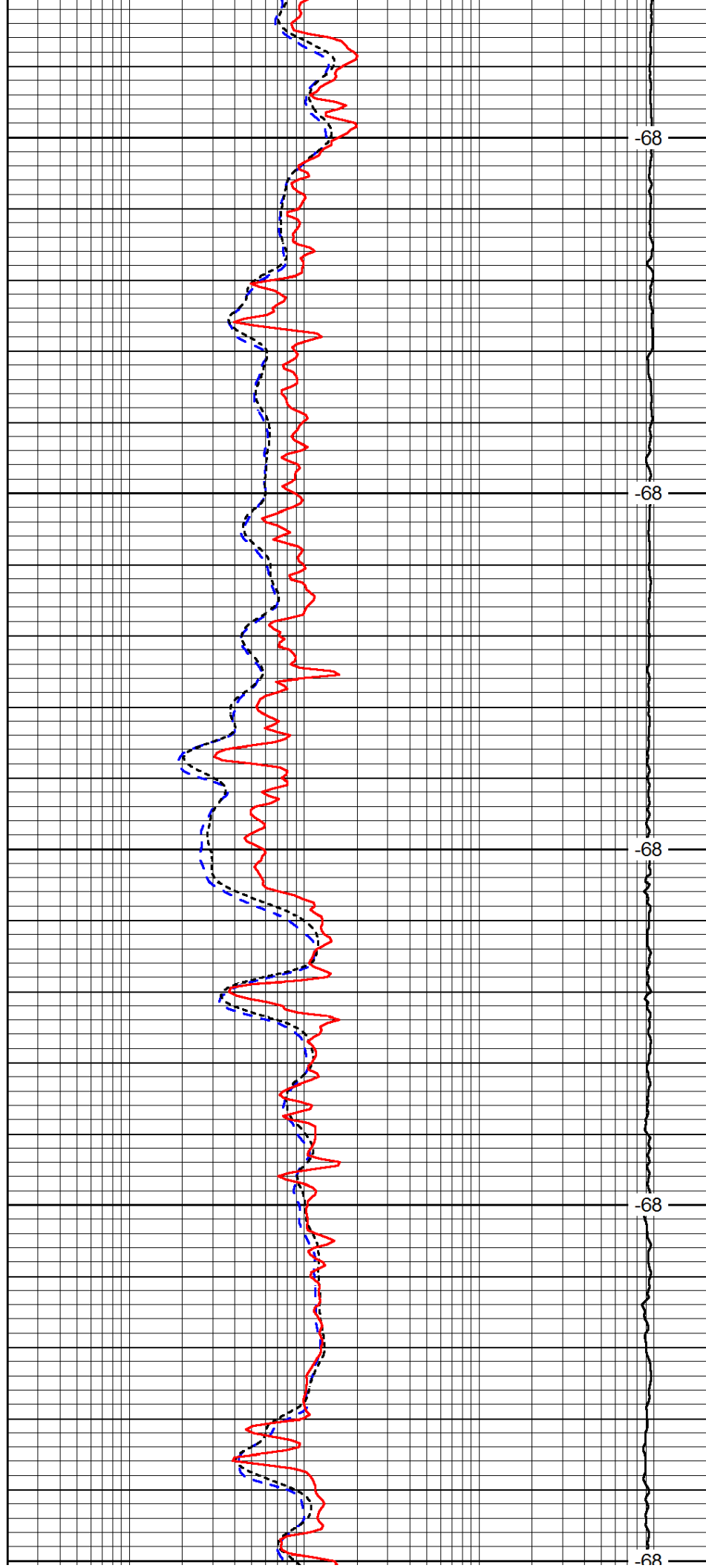
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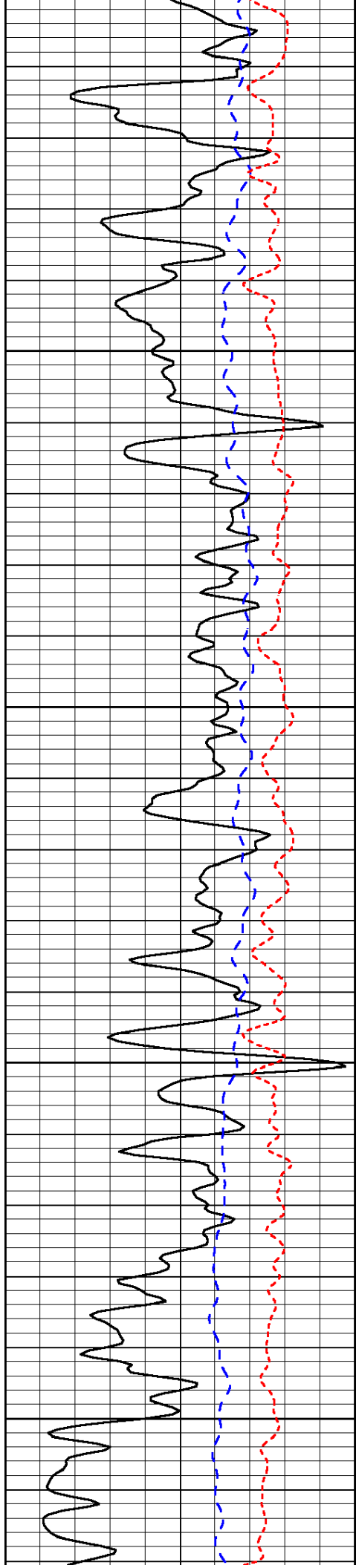
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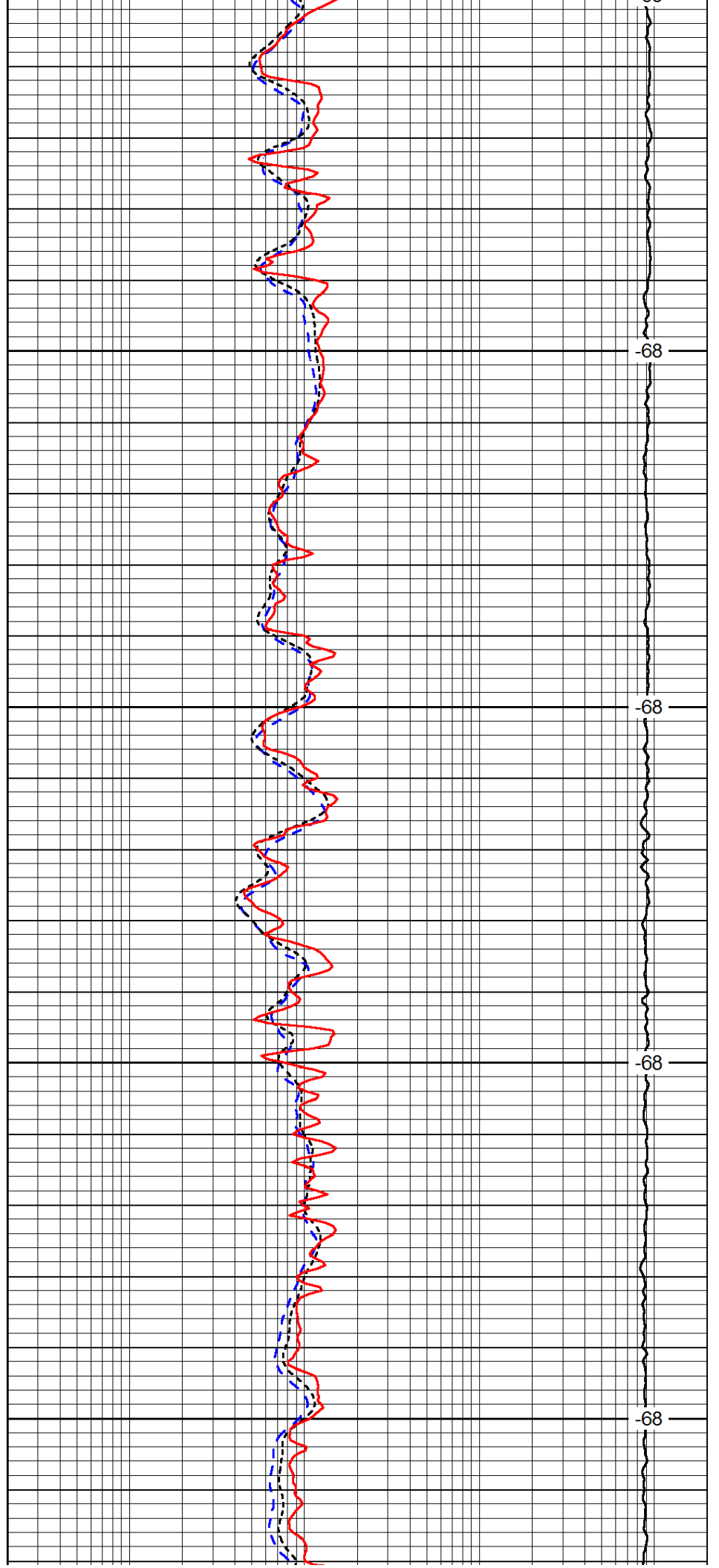
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1850  
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1650

1700

1750

1800

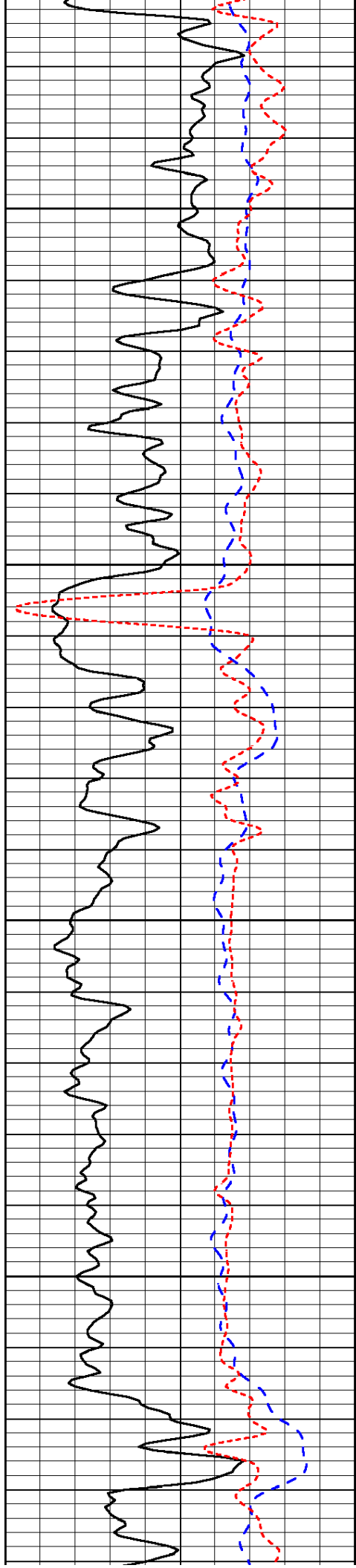


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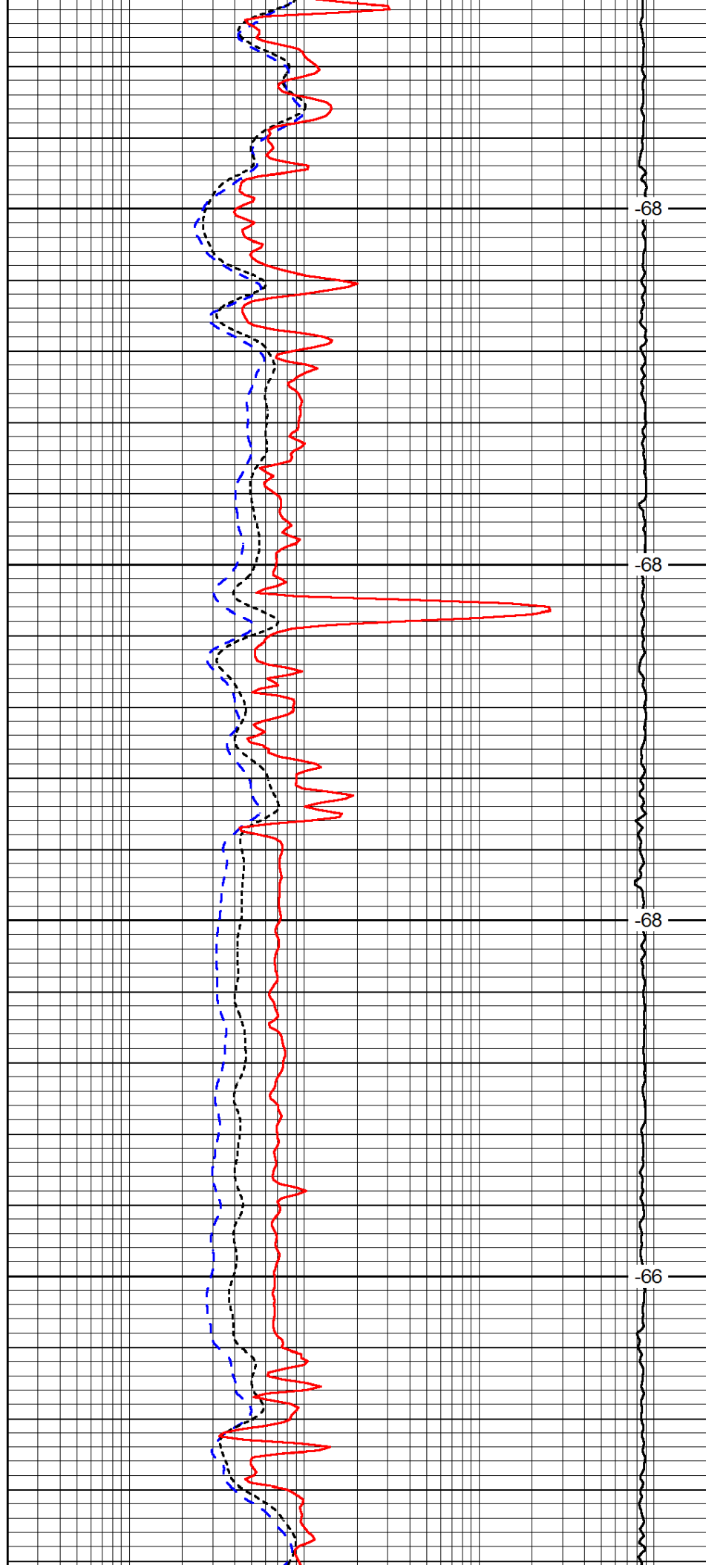


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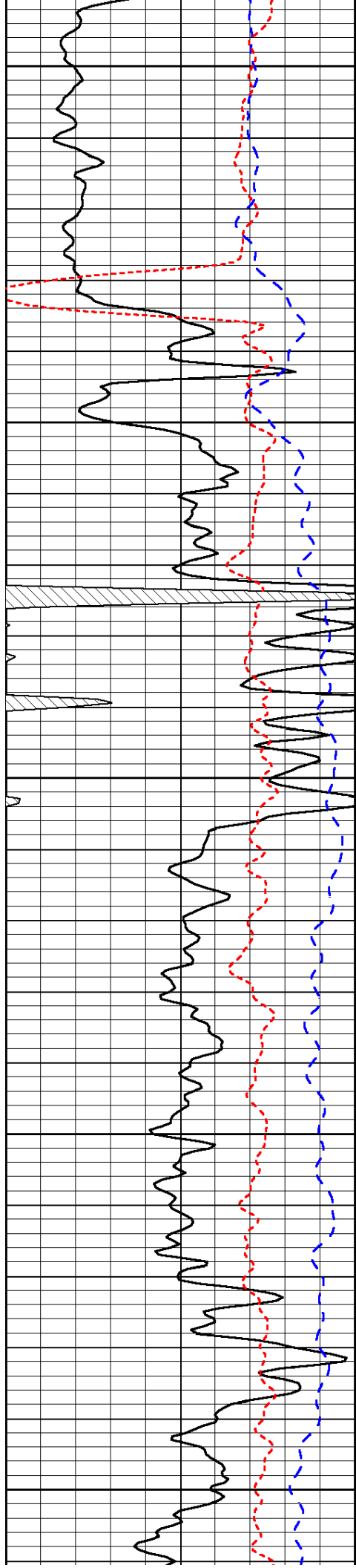


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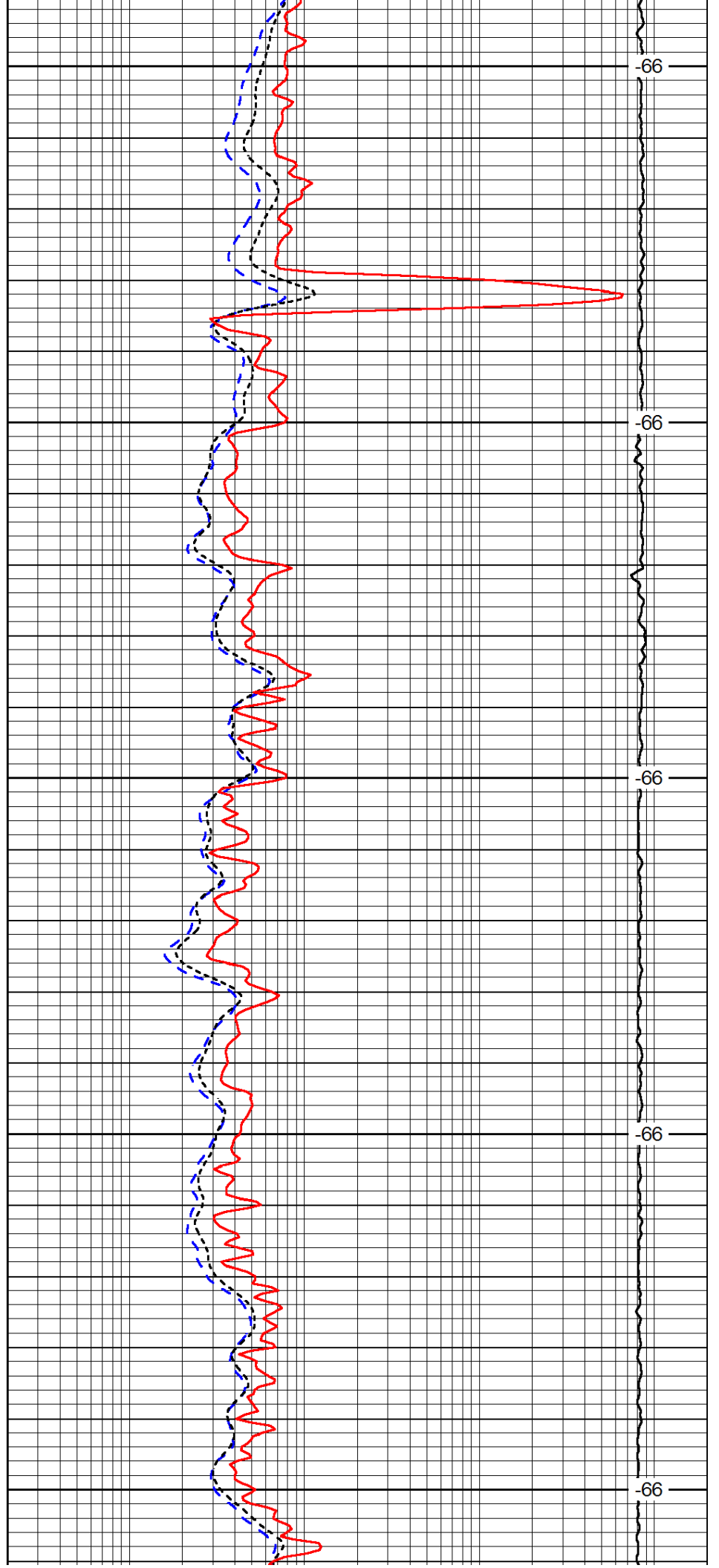
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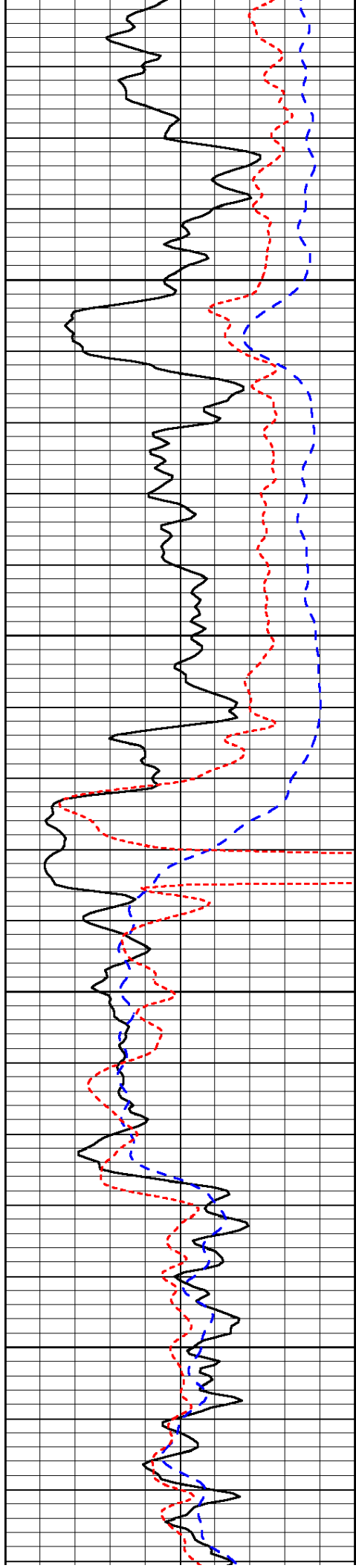
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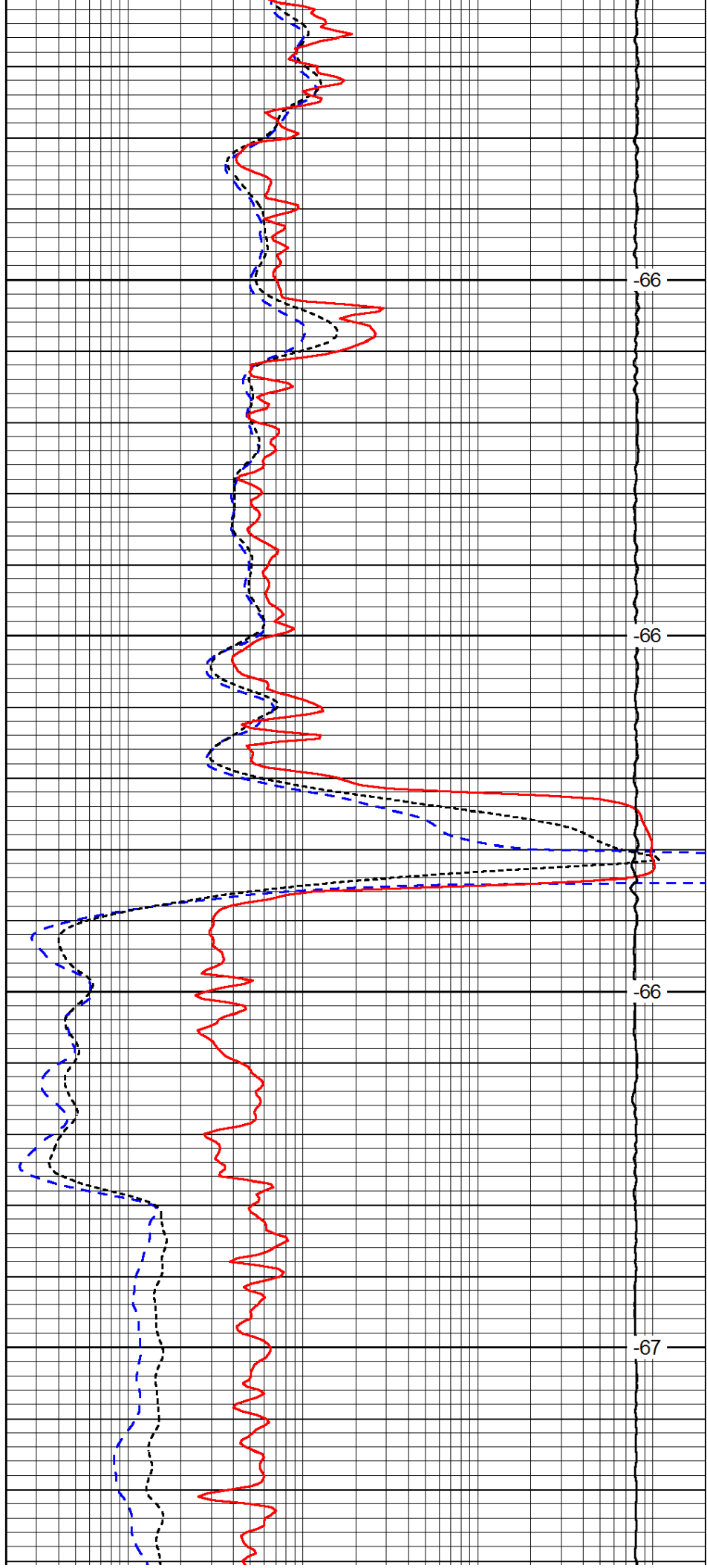


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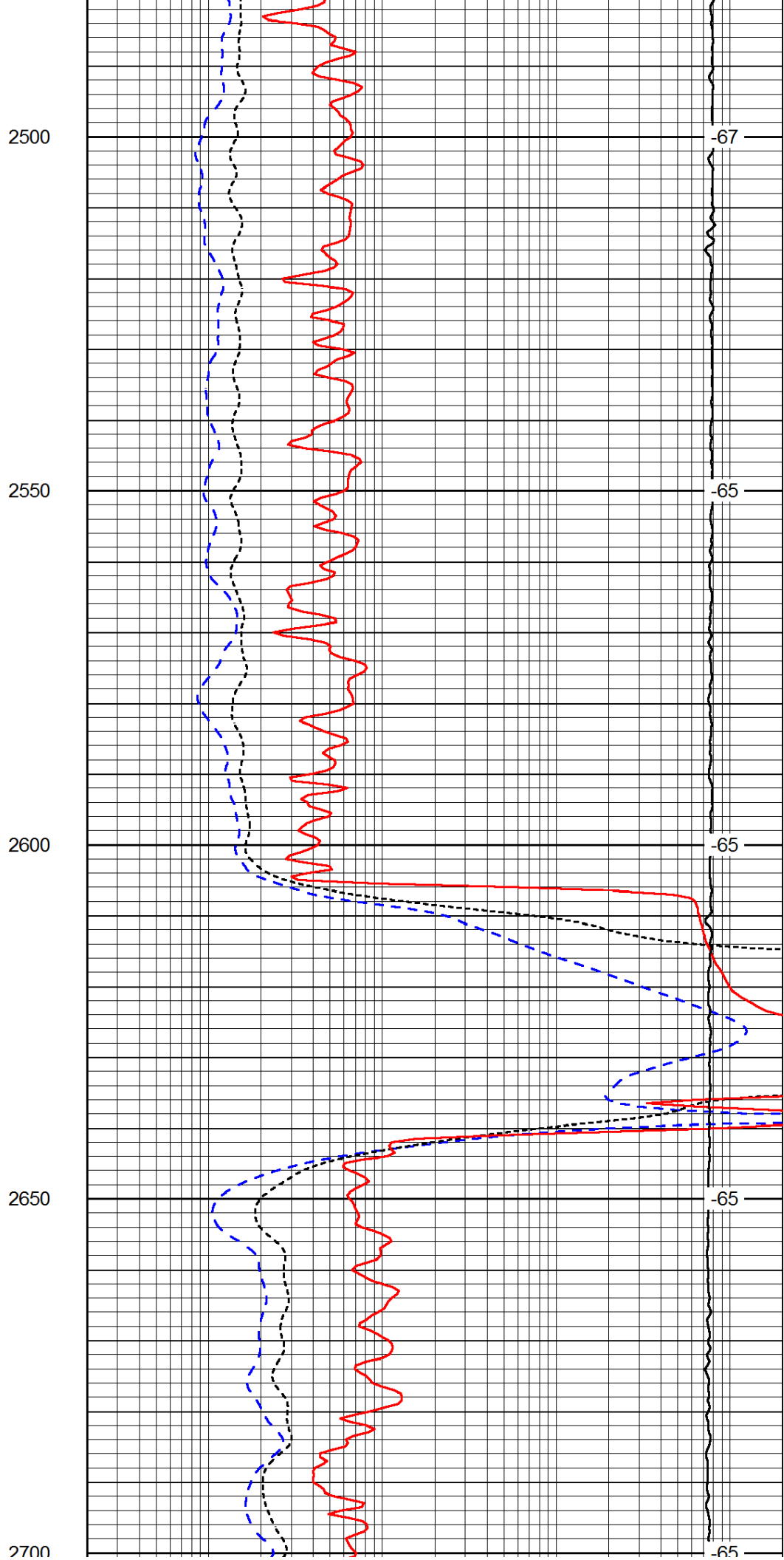
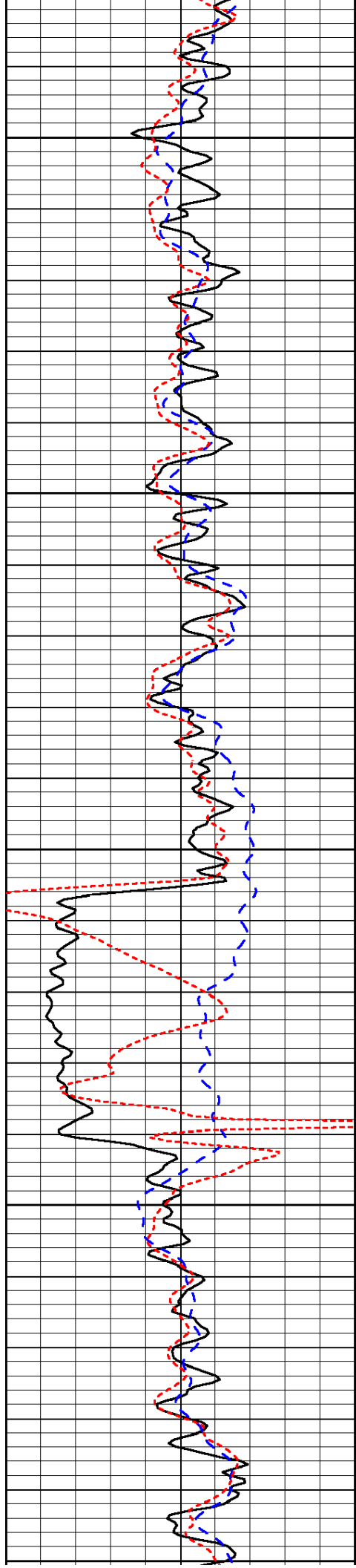


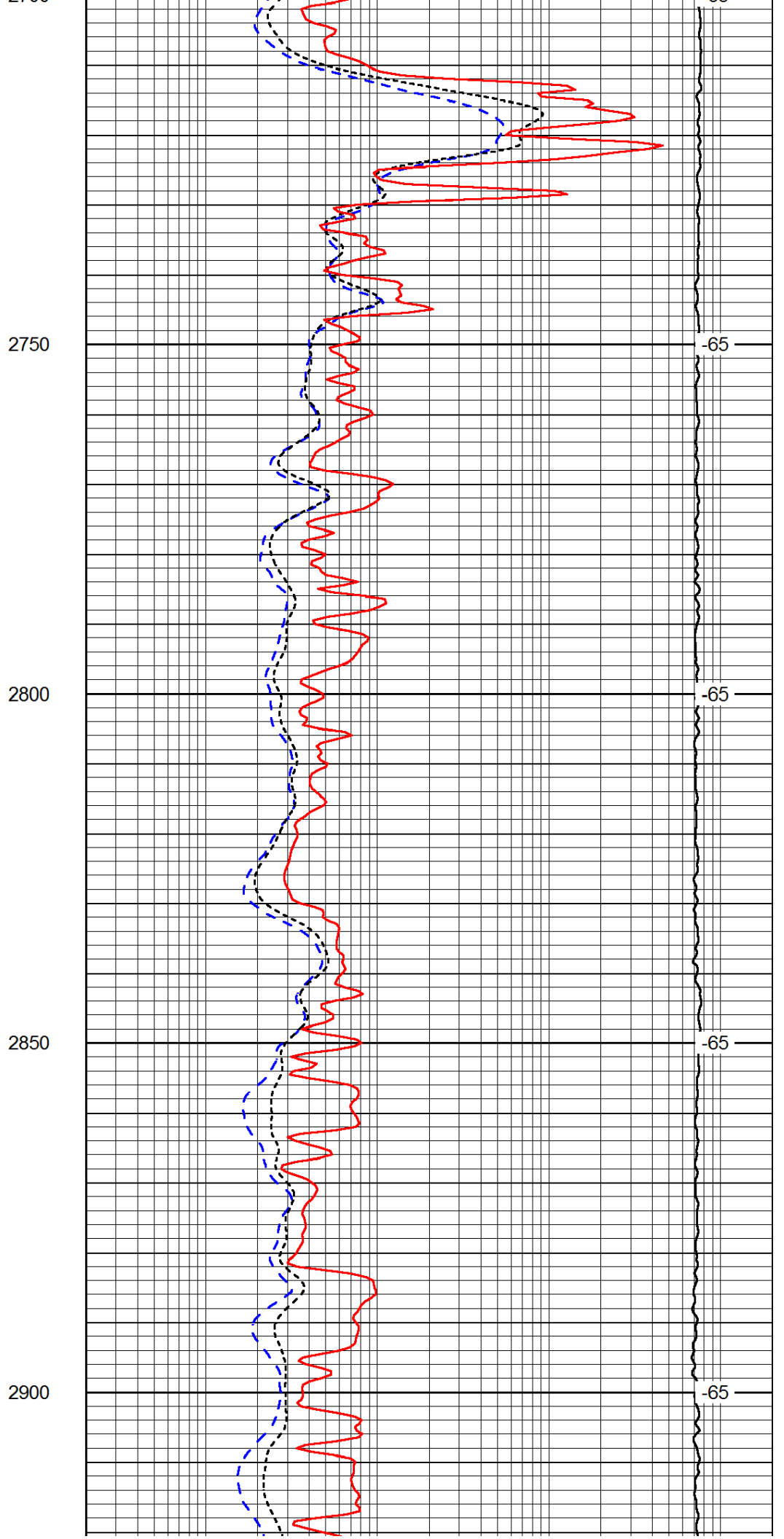
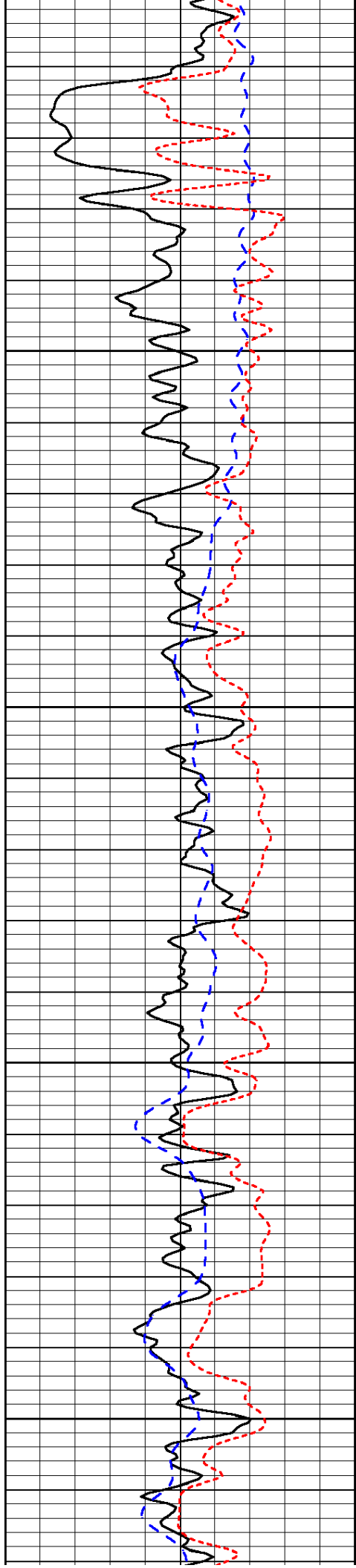
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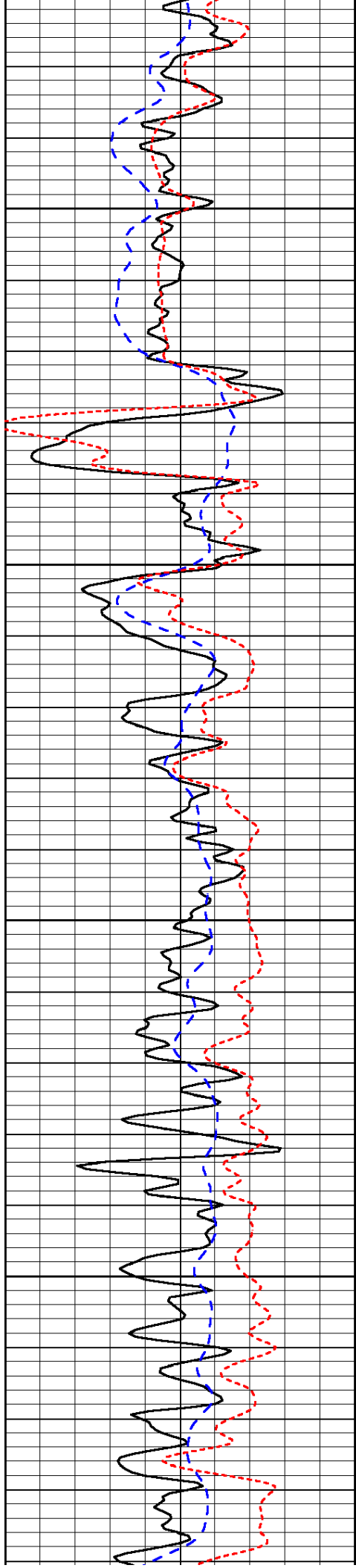
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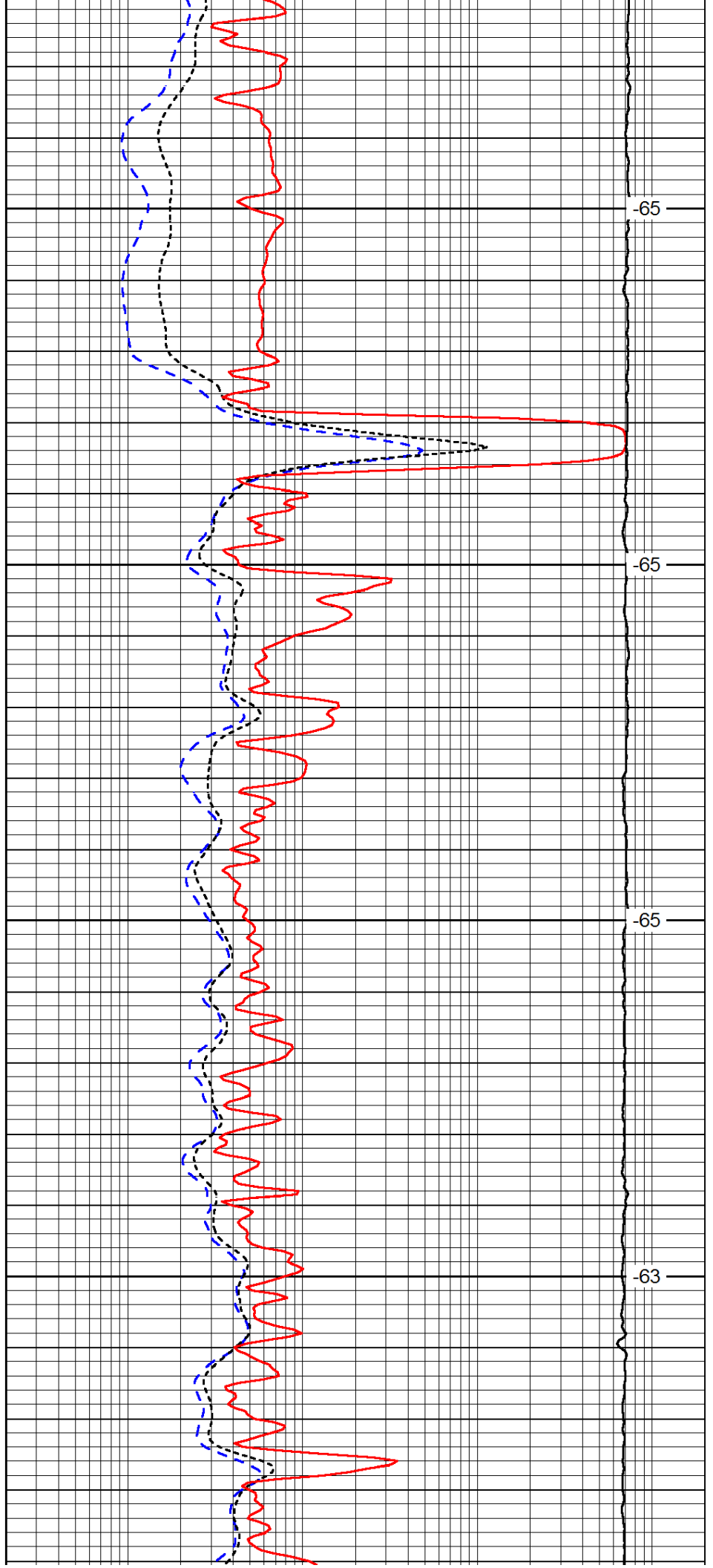


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3050

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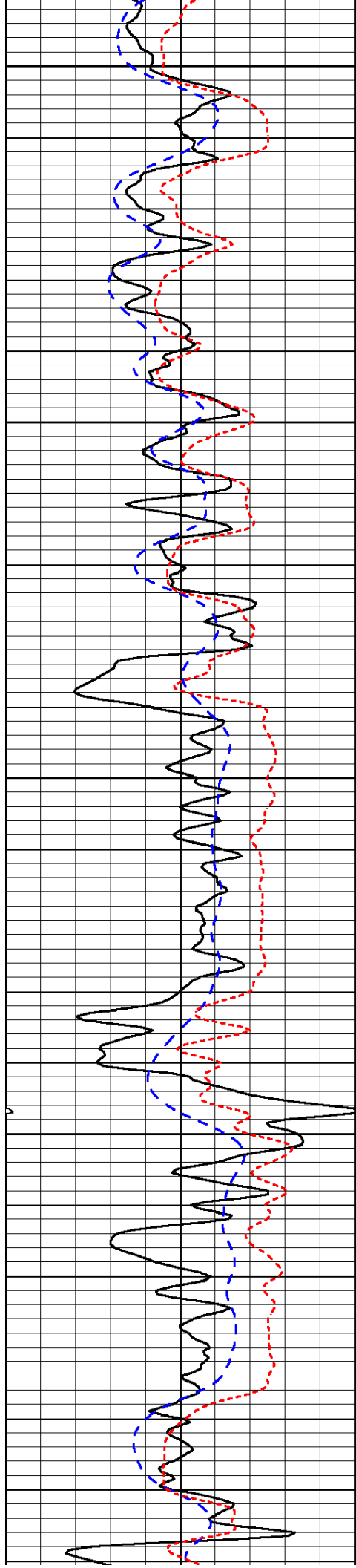
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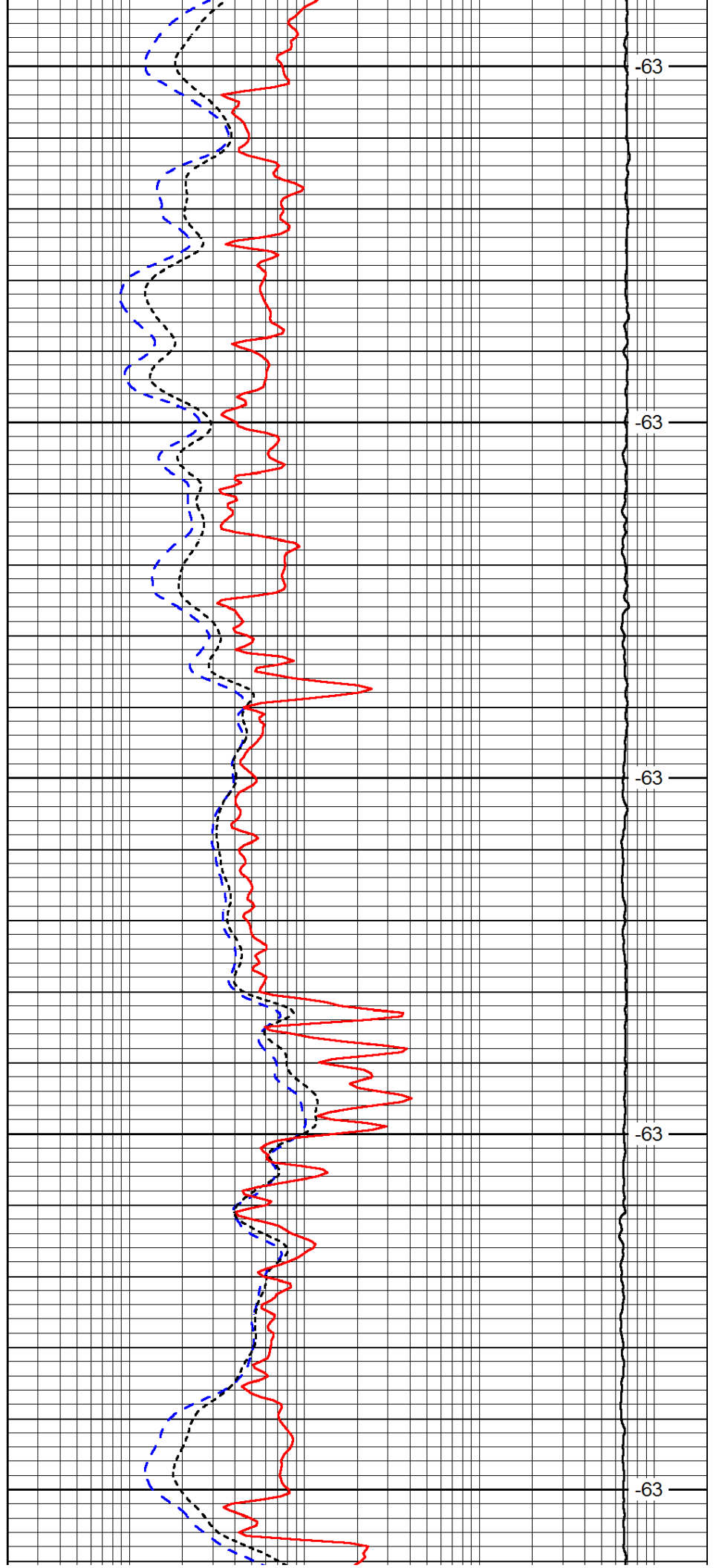
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3200

3250

3300

3350



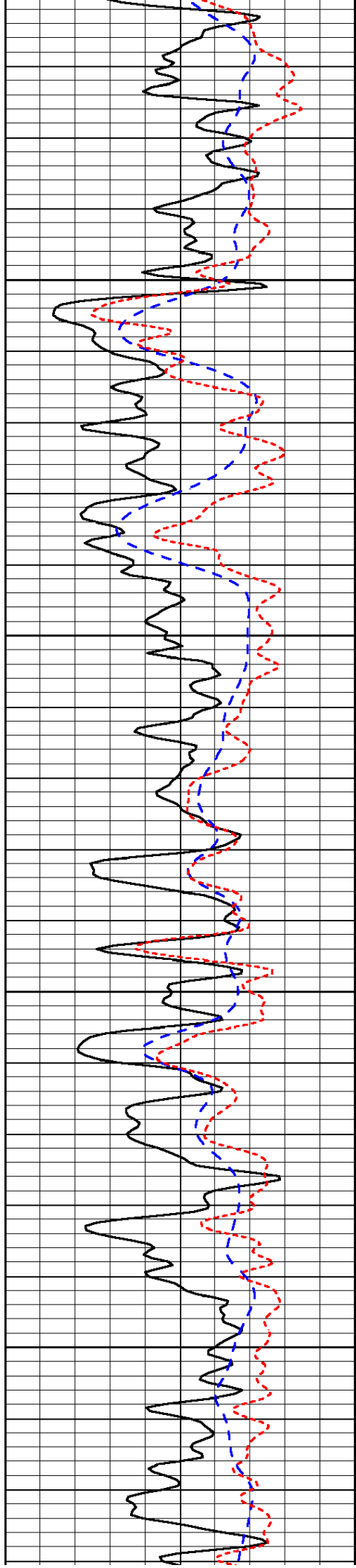
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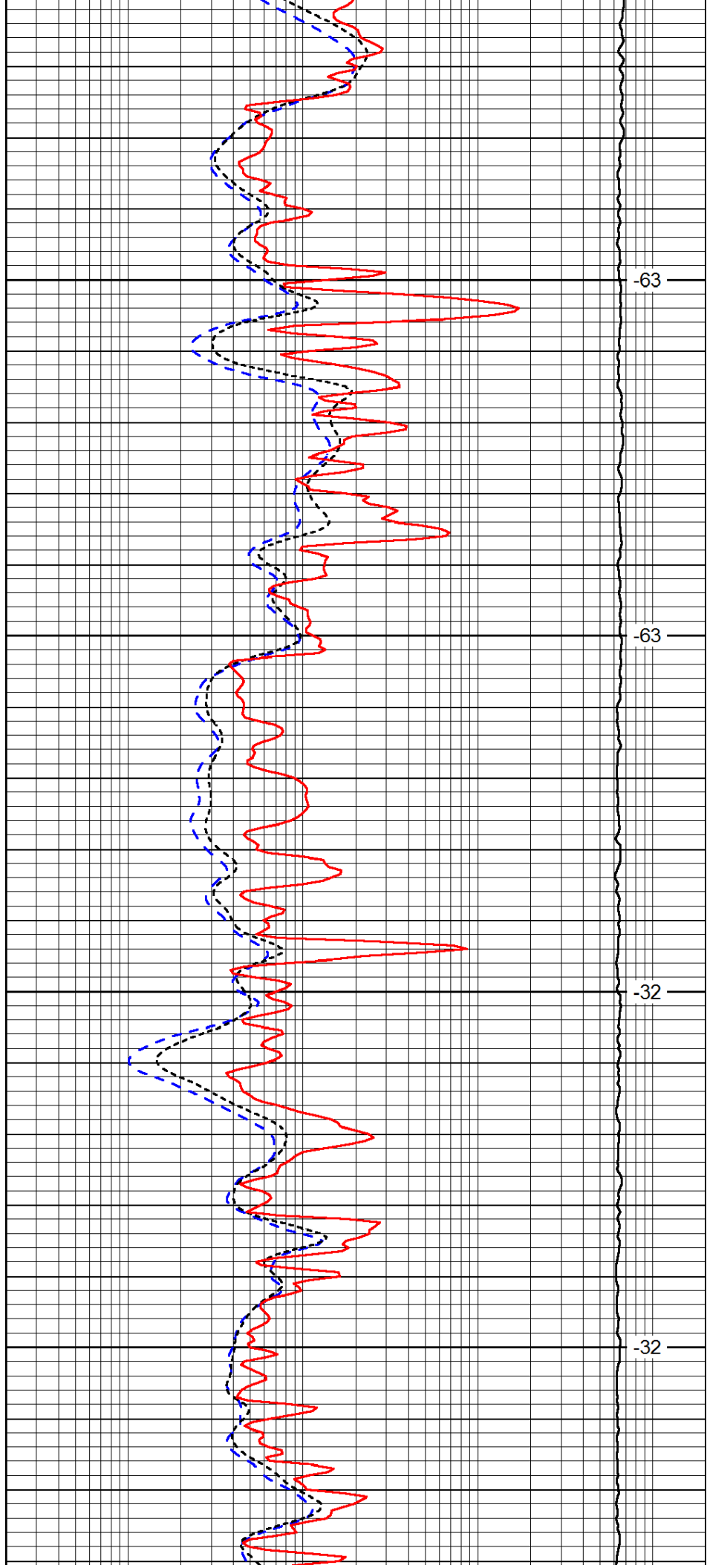


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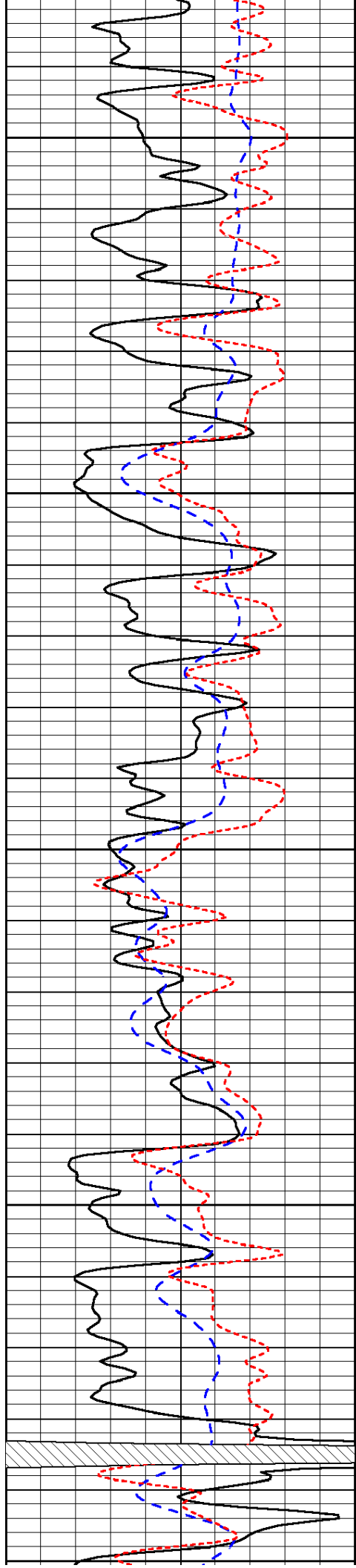


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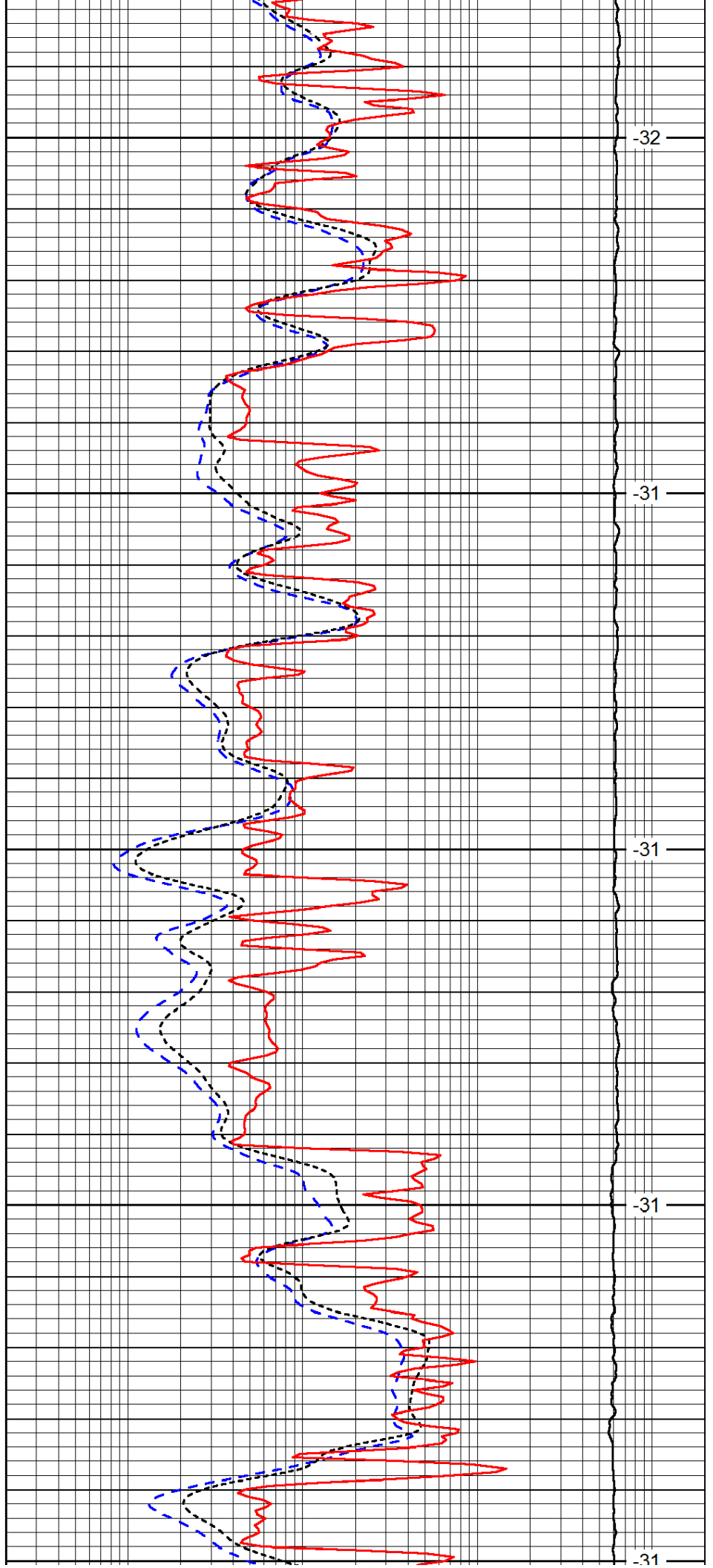
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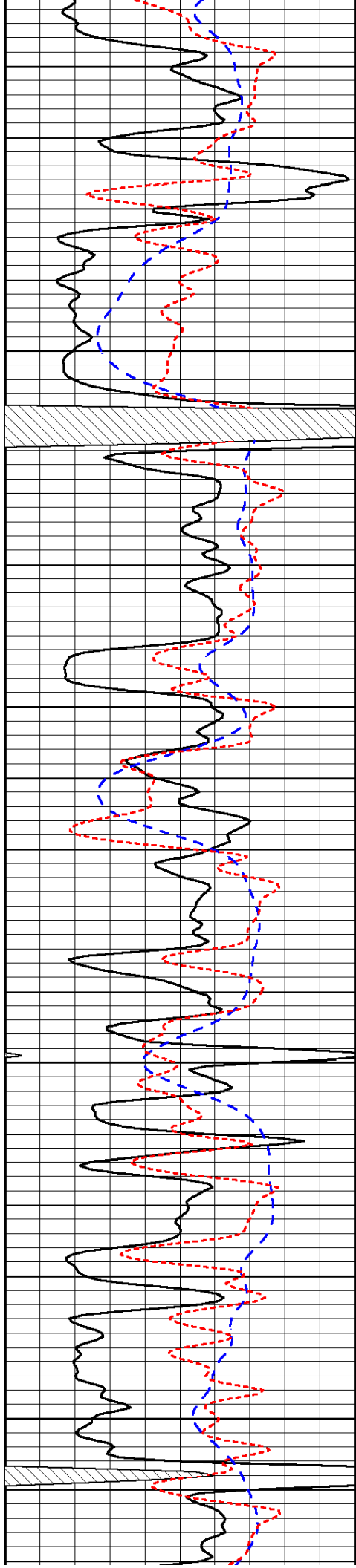
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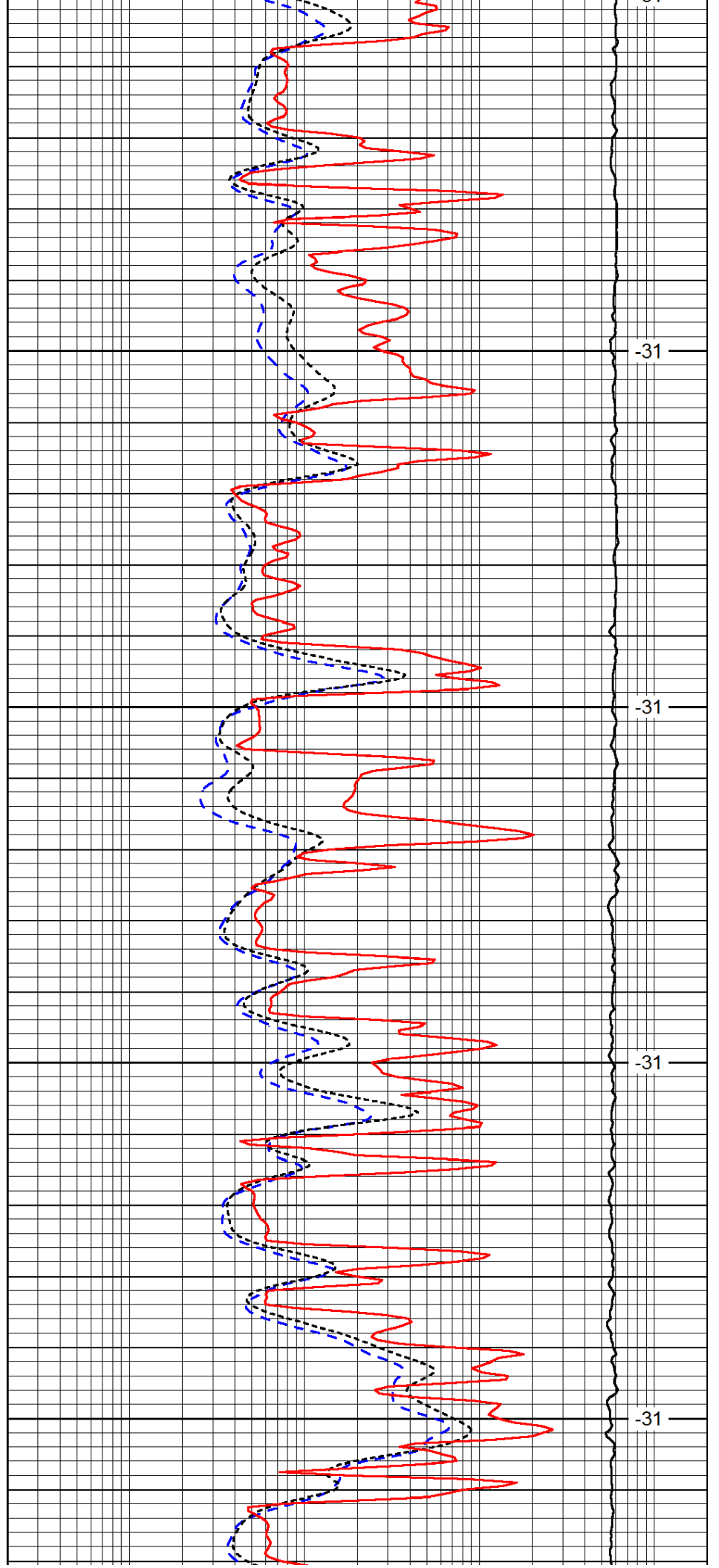


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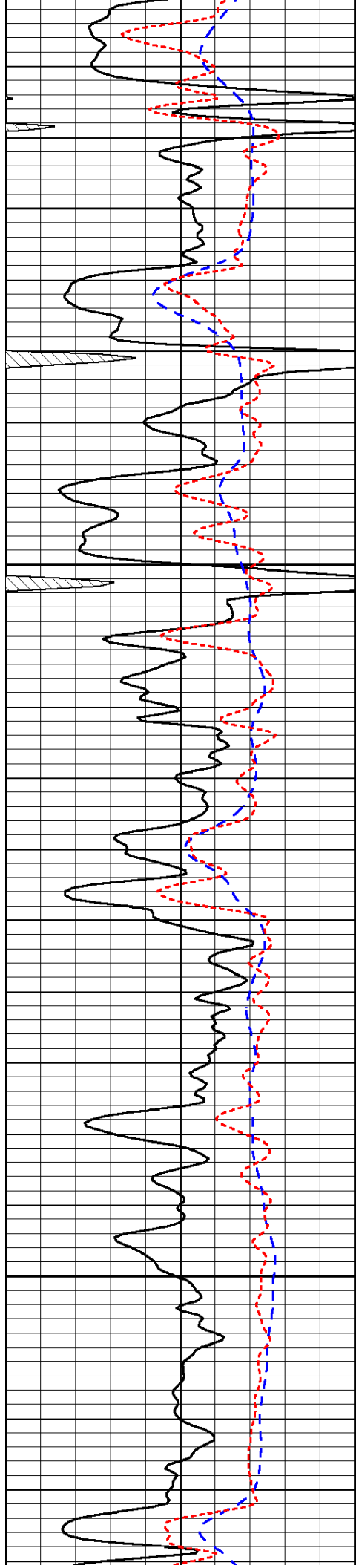


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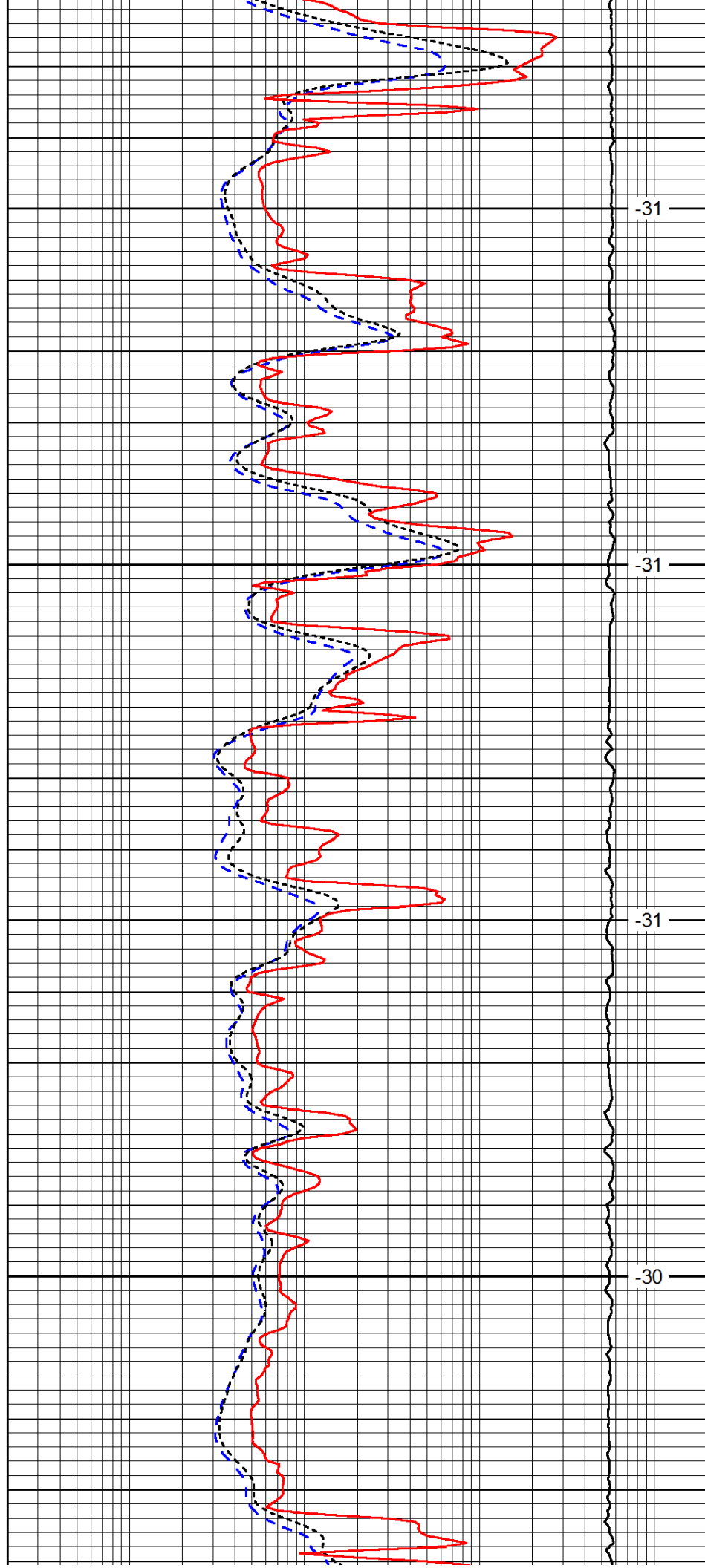


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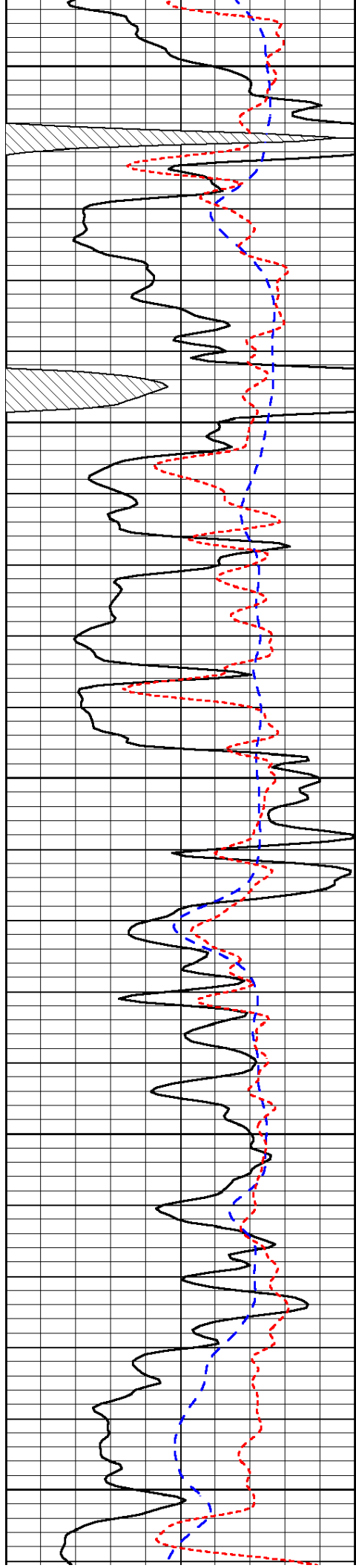


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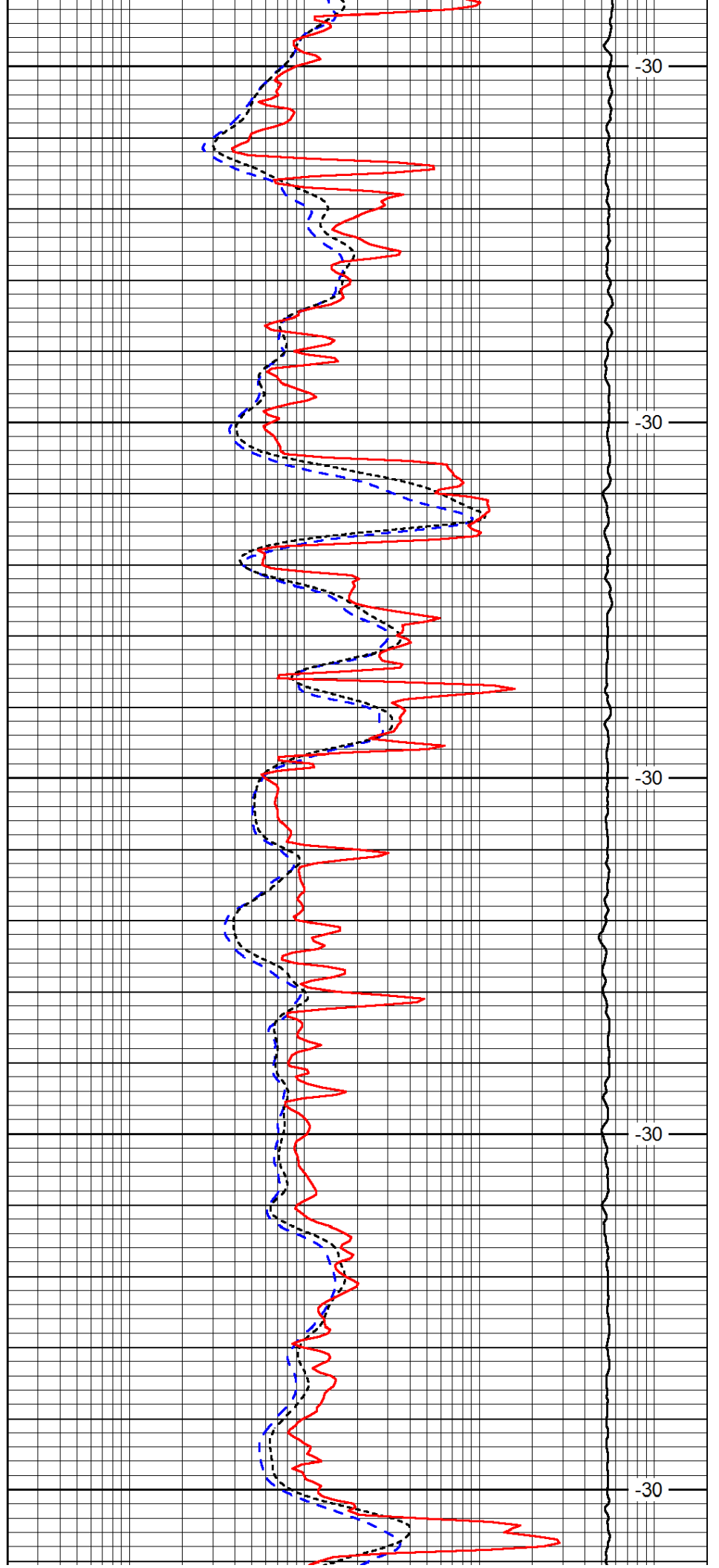
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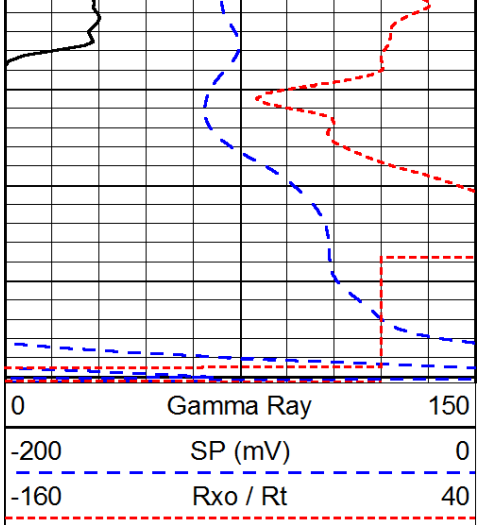
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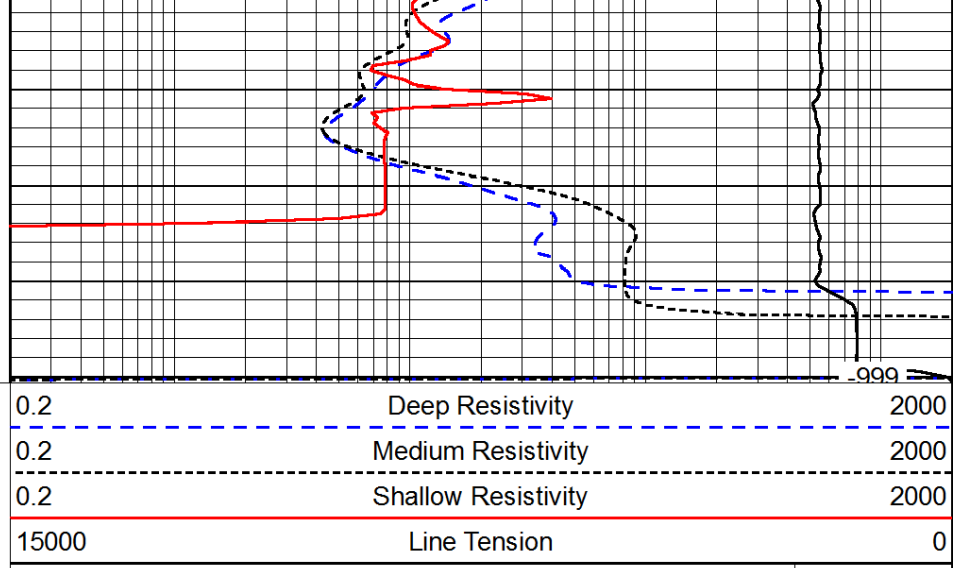
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4500



999

LSPD