



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No. 15-039-21,085-00-00

Company **Murfin Drilling Company, Inc.**
 Well **Heilman No. 1-12**
 Field **Wildcat**
 County **Decatur** State **Kansas**

Location **750' FNL & 370' FWL**
 Sec: **12** Twp: **3 S** Rge: **27 W**

Other Services
 CNL/CDL
 MEL/BHCS

Permanent Datum **Ground Level** Elevation **2653**
 Log Measured From **Kelly Bushing** 5 Ft. Above Perm. Datum
 Drilling Measured From **Frotkelly Bushing**

Date	1/27/2009	Elevation	K.B. 2658 D.F. 2653 G.L. 2653
Run Number	One		
Depth Driller	3890		
Depth Logger	3890		
Bottom Logged Interval	3889		
Top Log Interval	0		
Casing Driller	8.625 @ 260		
Casing Logger	259		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	2,300		
Density / Viscosity	9.1	54	
pH / Fluid Loss	6.8	10.5	
Source of Sample	Flowline		
Rm @ Meas. Temp	1.4 @ 60		
Rmf @ Meas. Temp	1.05 @ 60		
Rmc @ Meas. Temp	1.89 @ 60		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.72 @ 116		
Operating Rig Time	5 1/2 Hours		
Max Rec. Temp. F	116		
Equipment Number	4		
Location	Hays		
Recorded By	K. Bange		
Witnessed By	Paul Gunzelman		

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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

Oberlin, E 12 on Hwy to rd 12E, S 1 1/4, E into

Database File: c:\warrior\data\murfin_heilman no. 1-12\murfinhd.db
 Dataset Pathname: dil/murf2in
 Presentation Format: dil2in
 Dataset Creation: Tue Jan 27 08:29:42 2009
 Charted by: Depth in Feet scaled 1:600

0 Gamma Ray 150
-200 SP 0

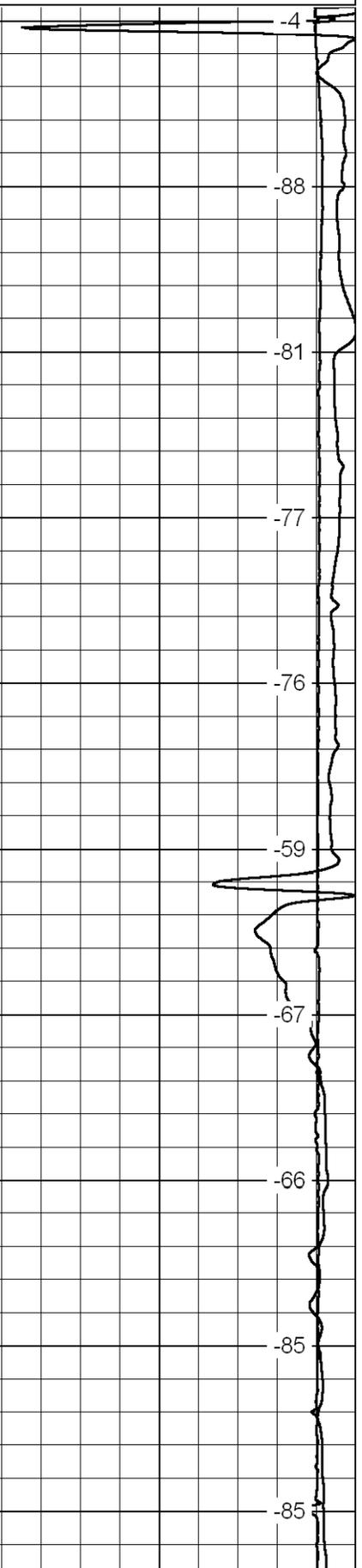
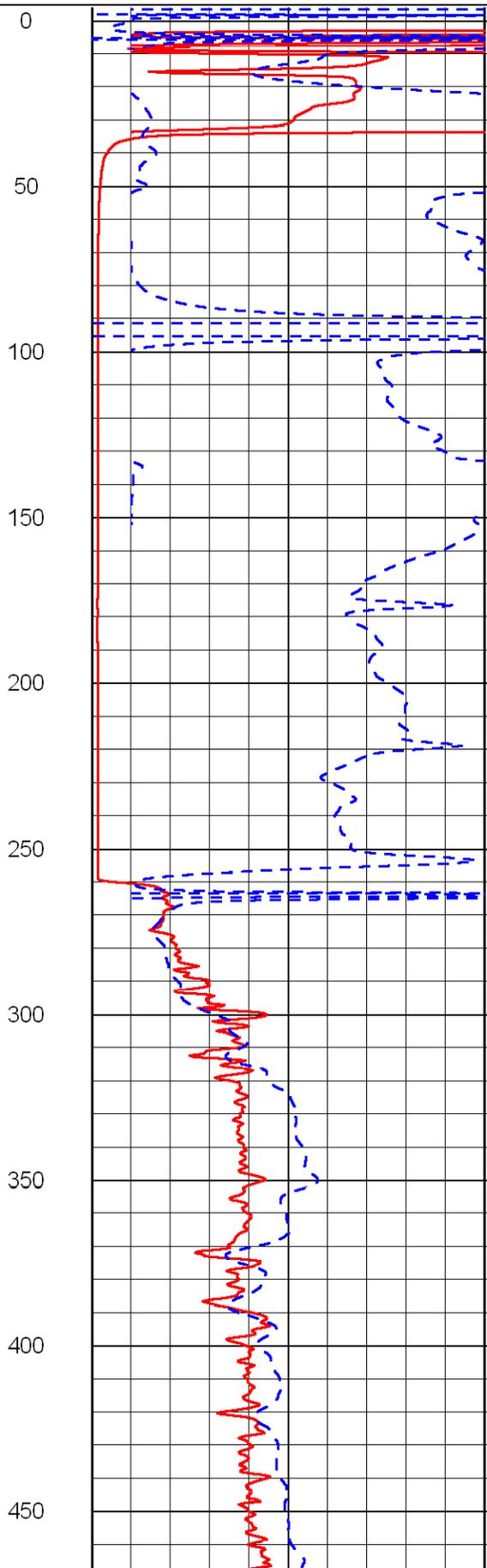
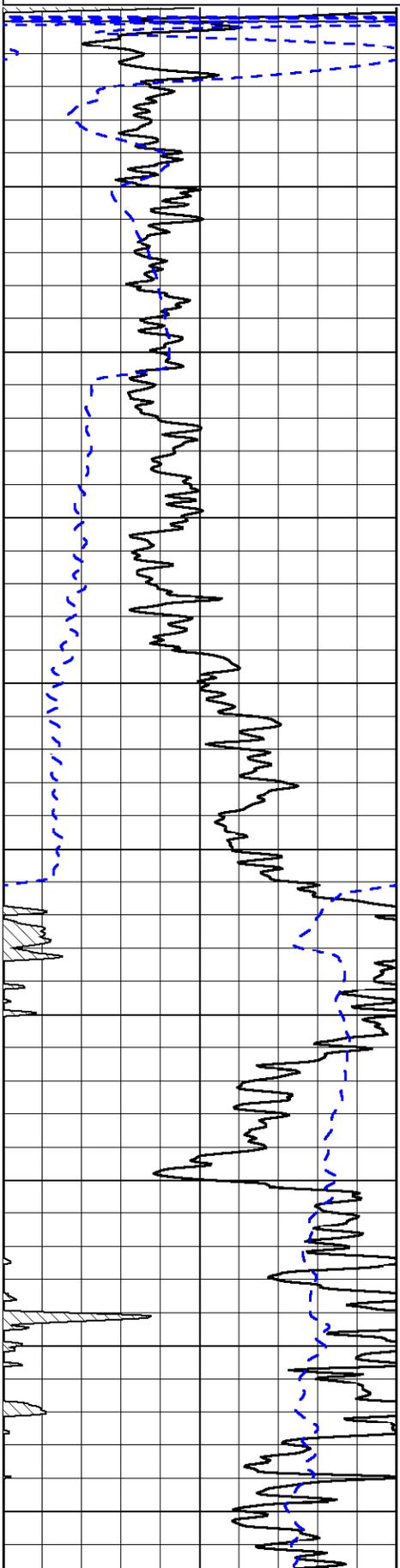
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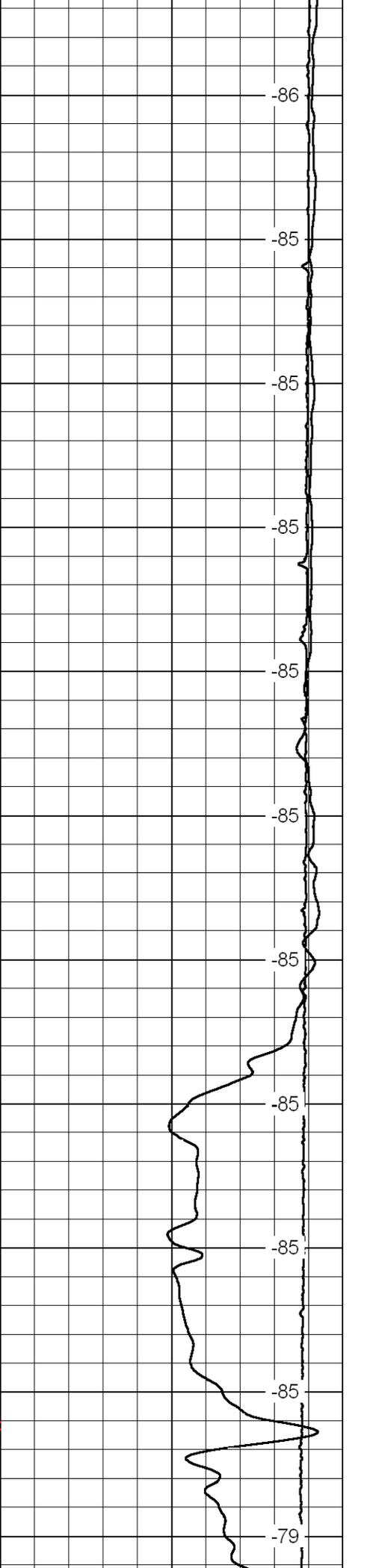
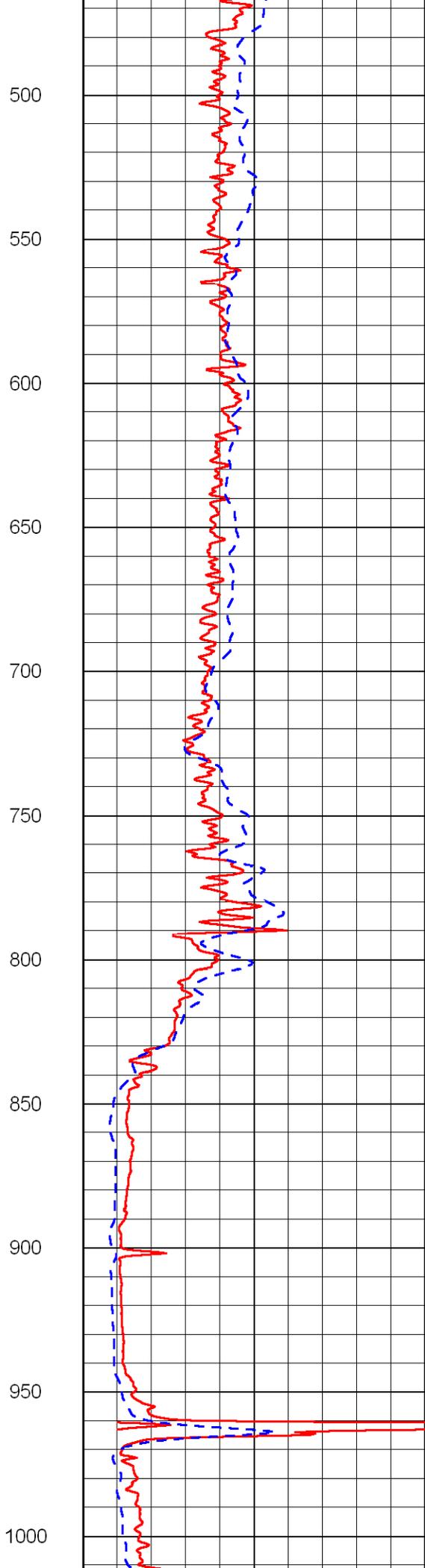
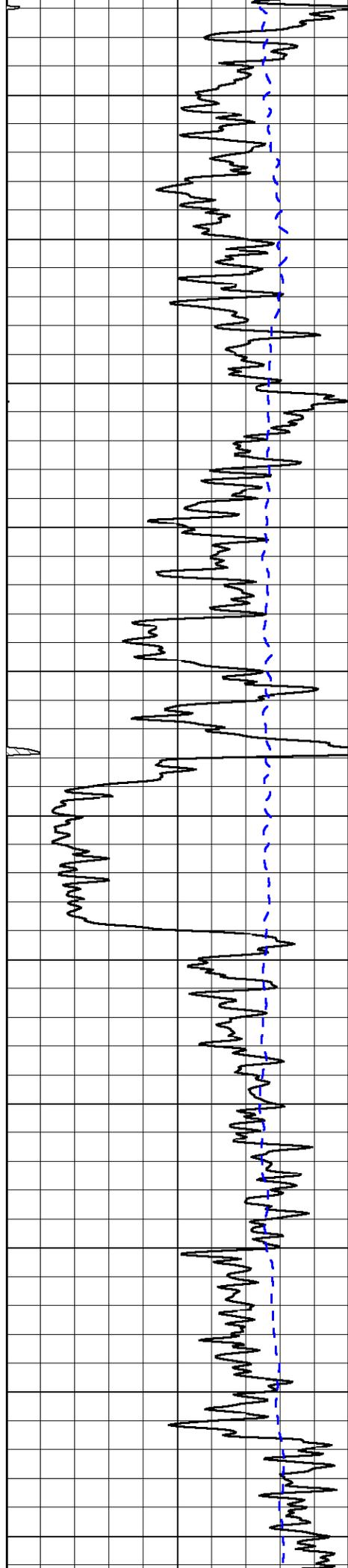
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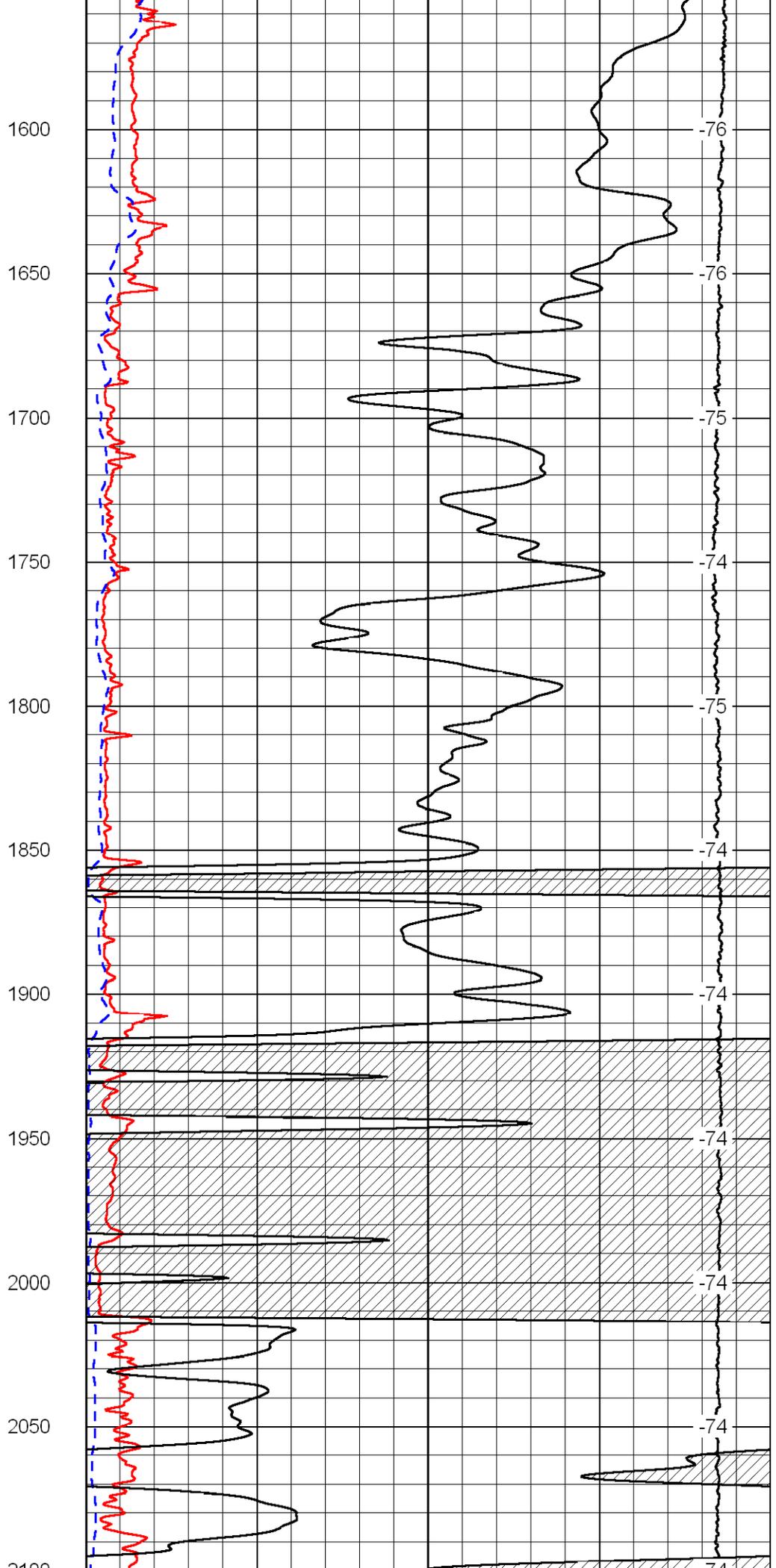
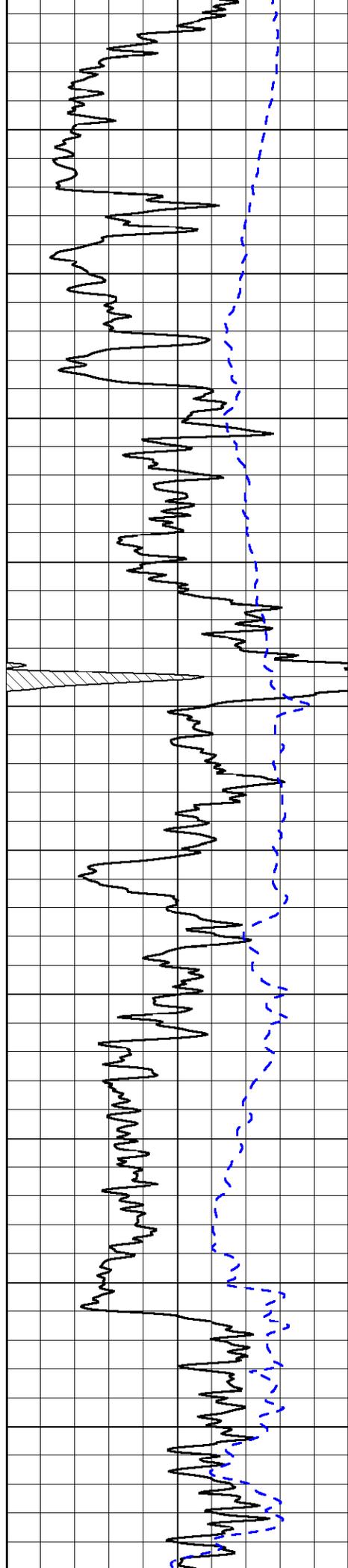
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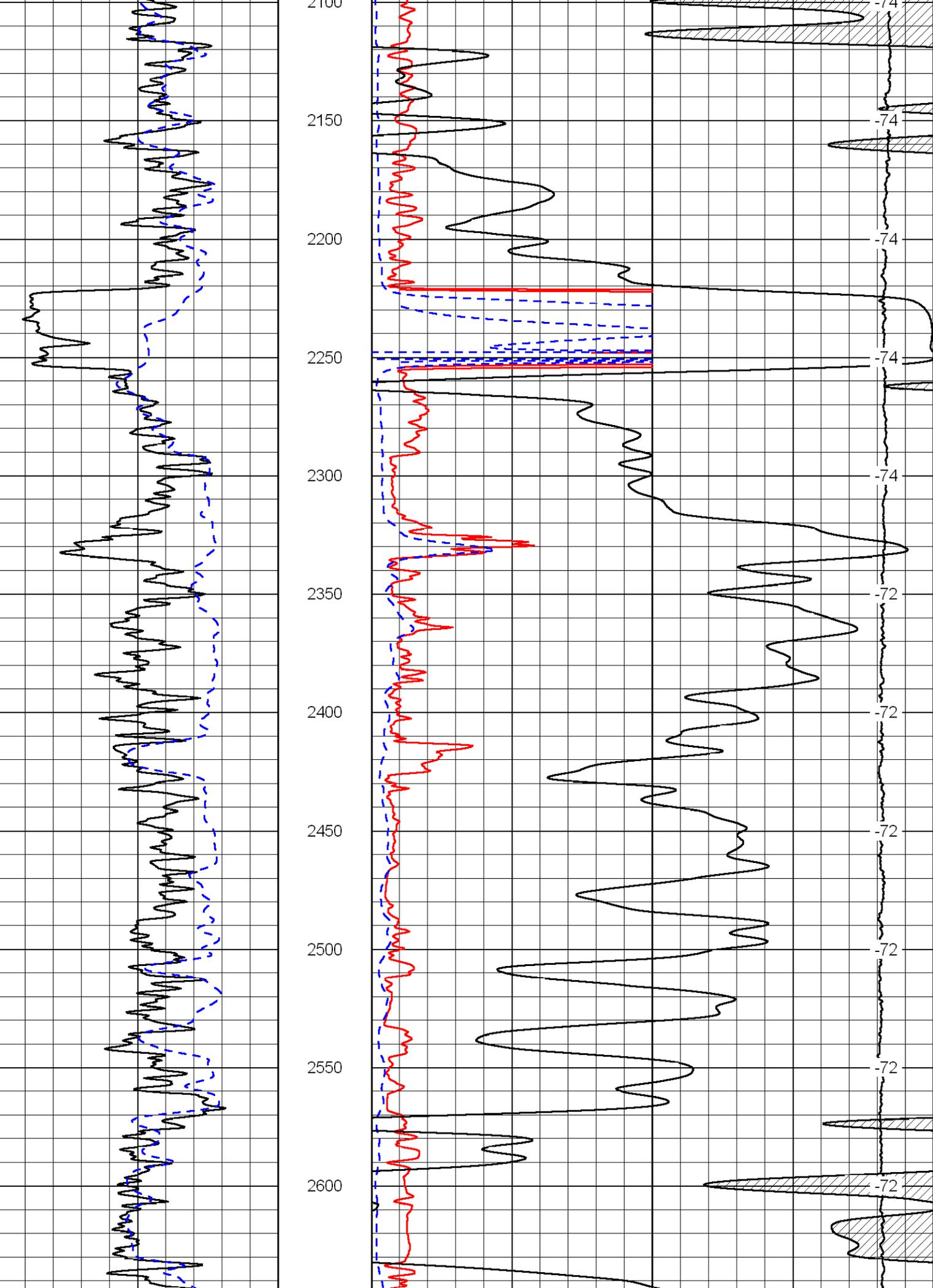
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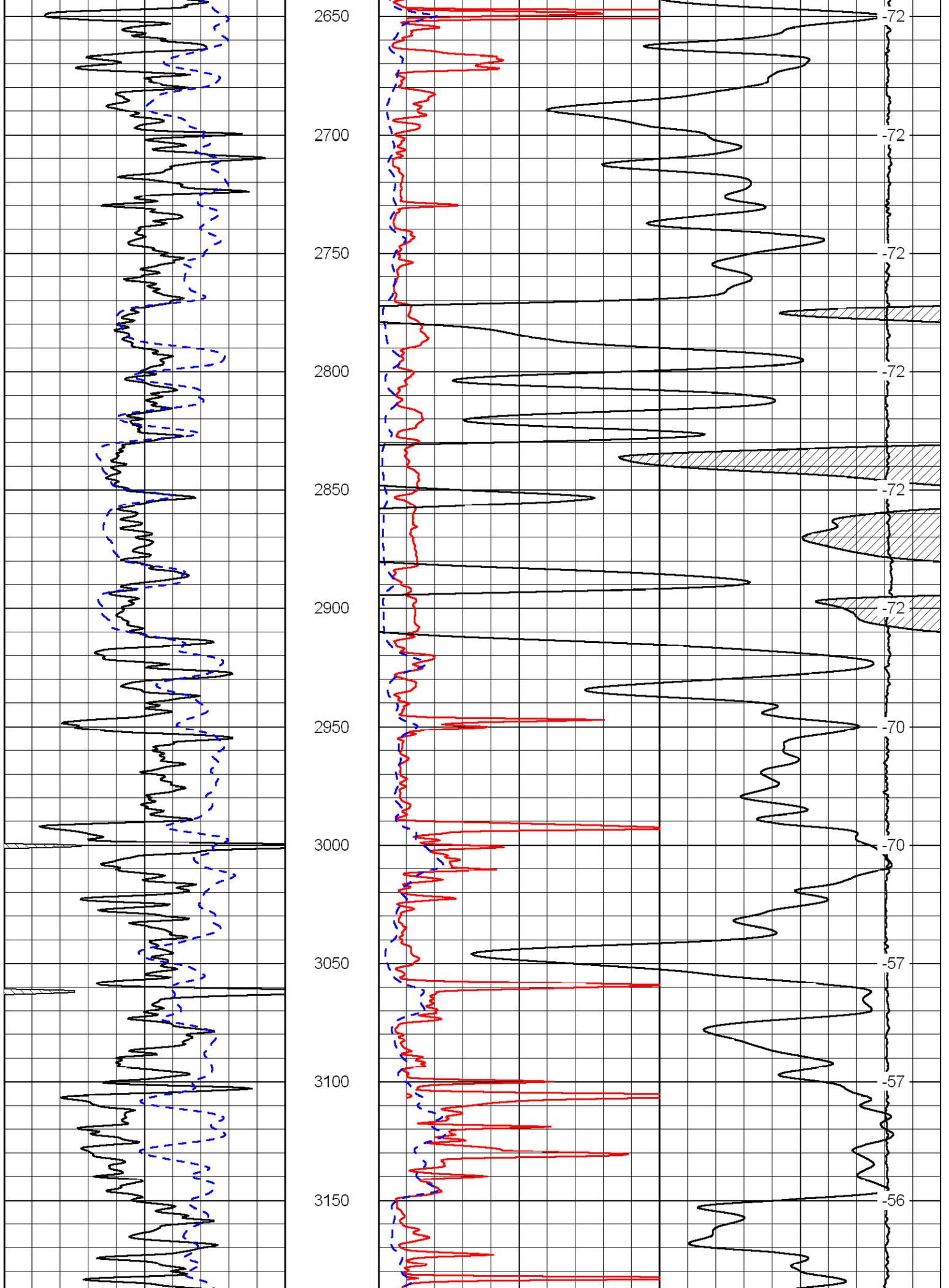
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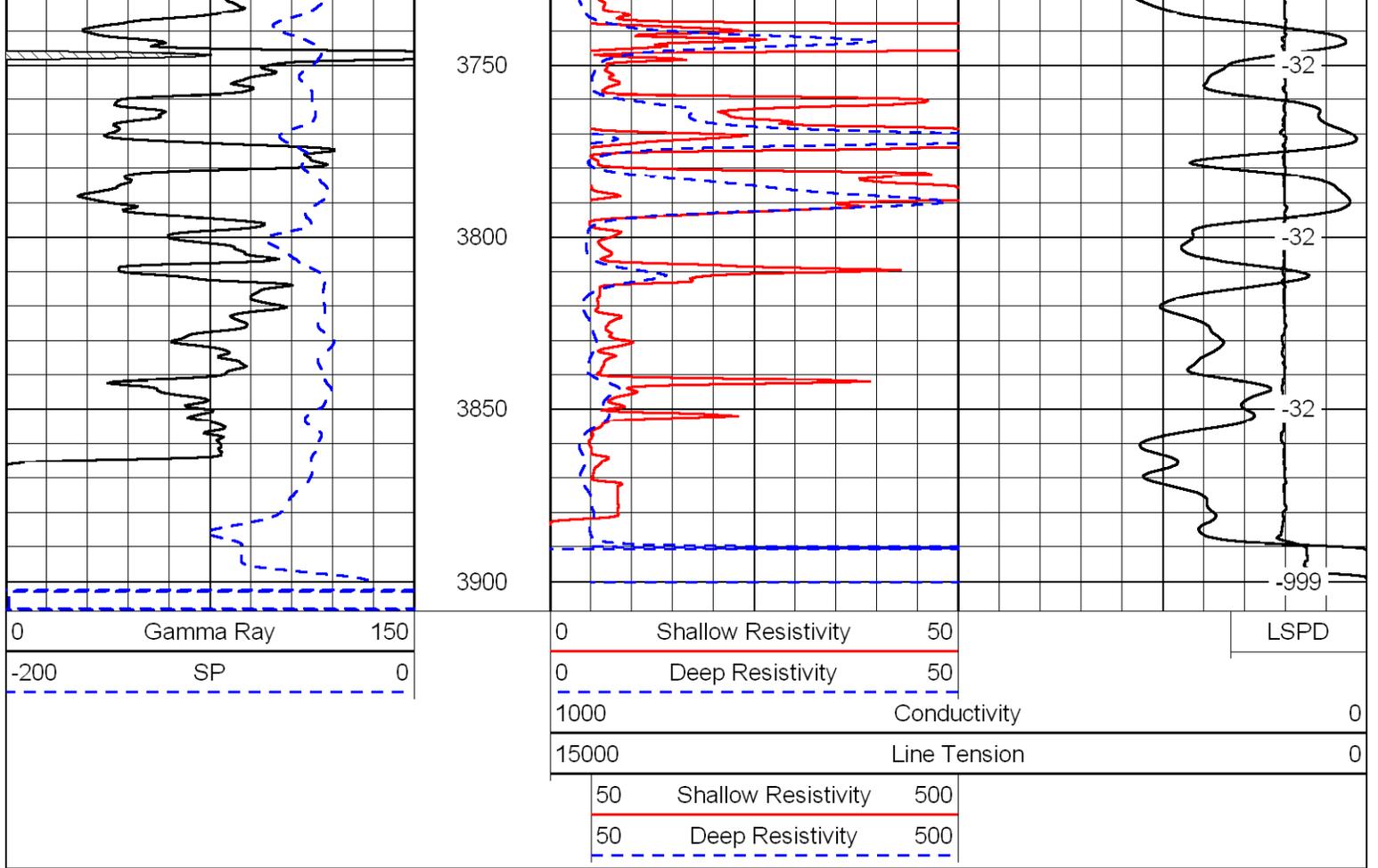




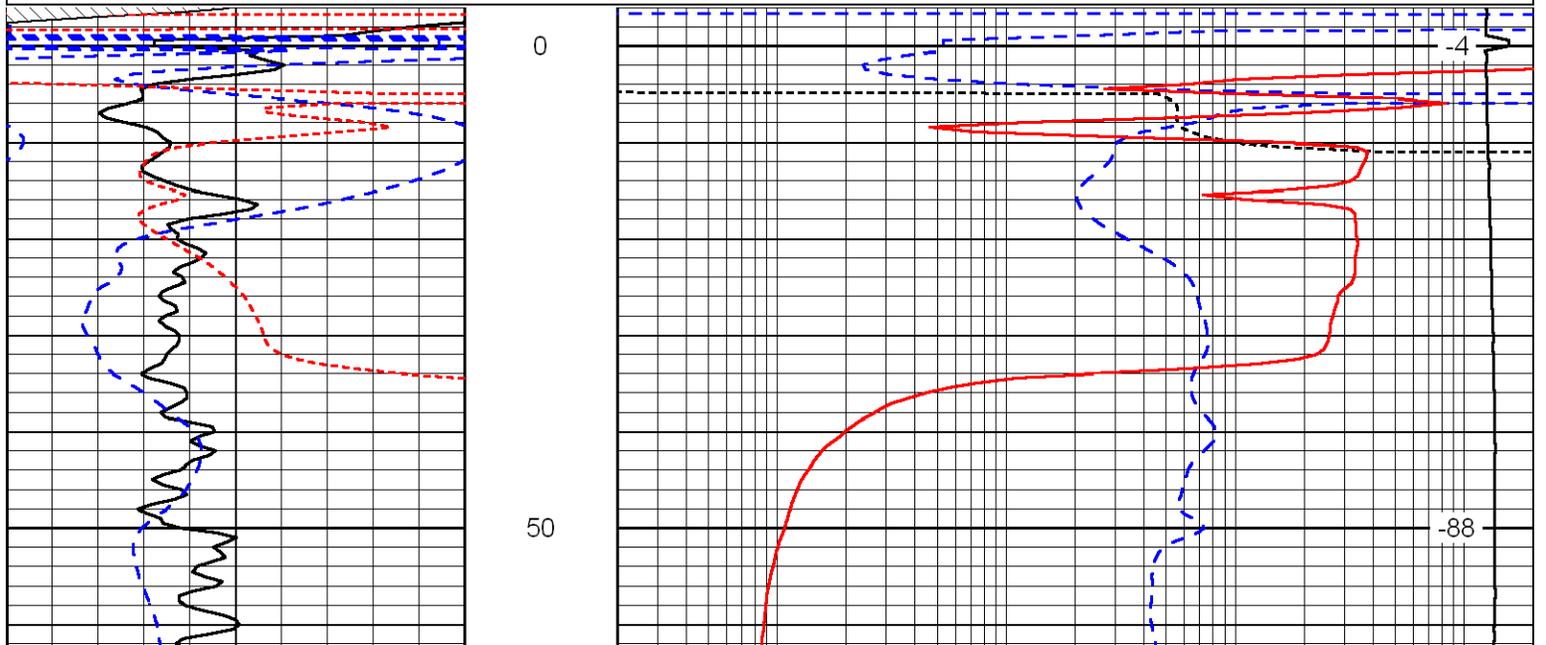
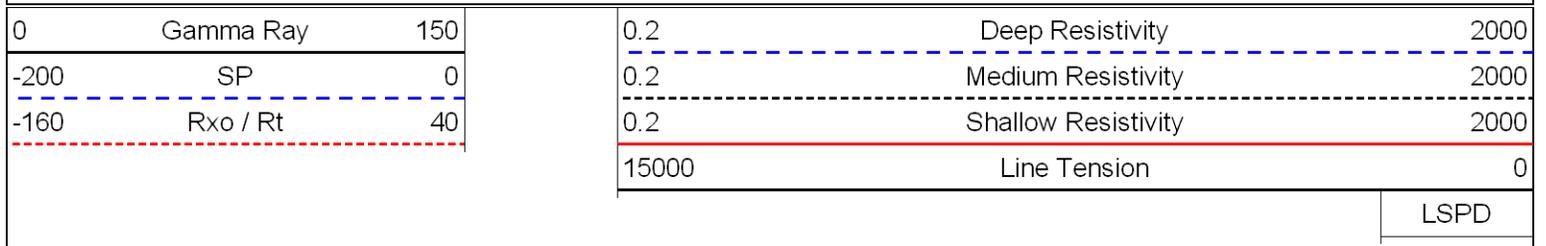


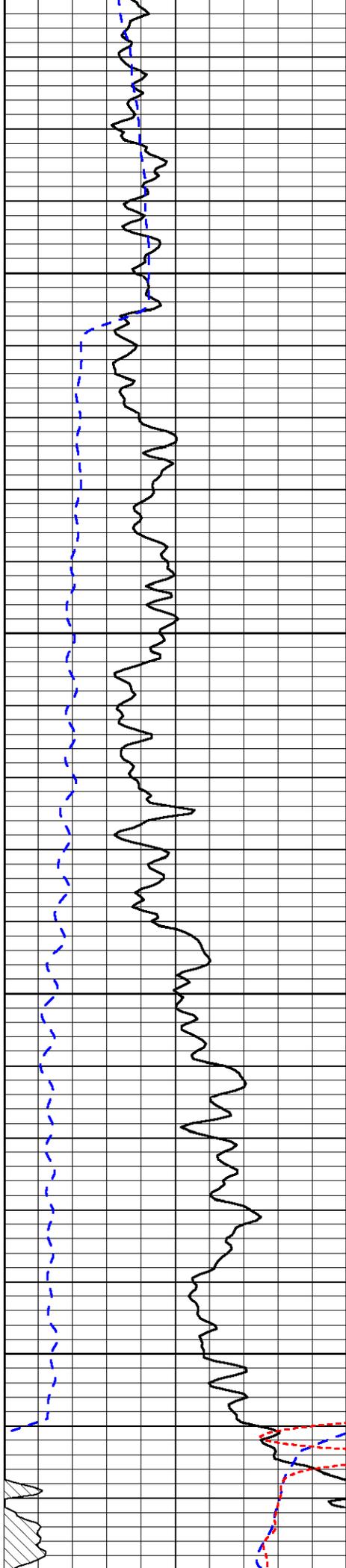






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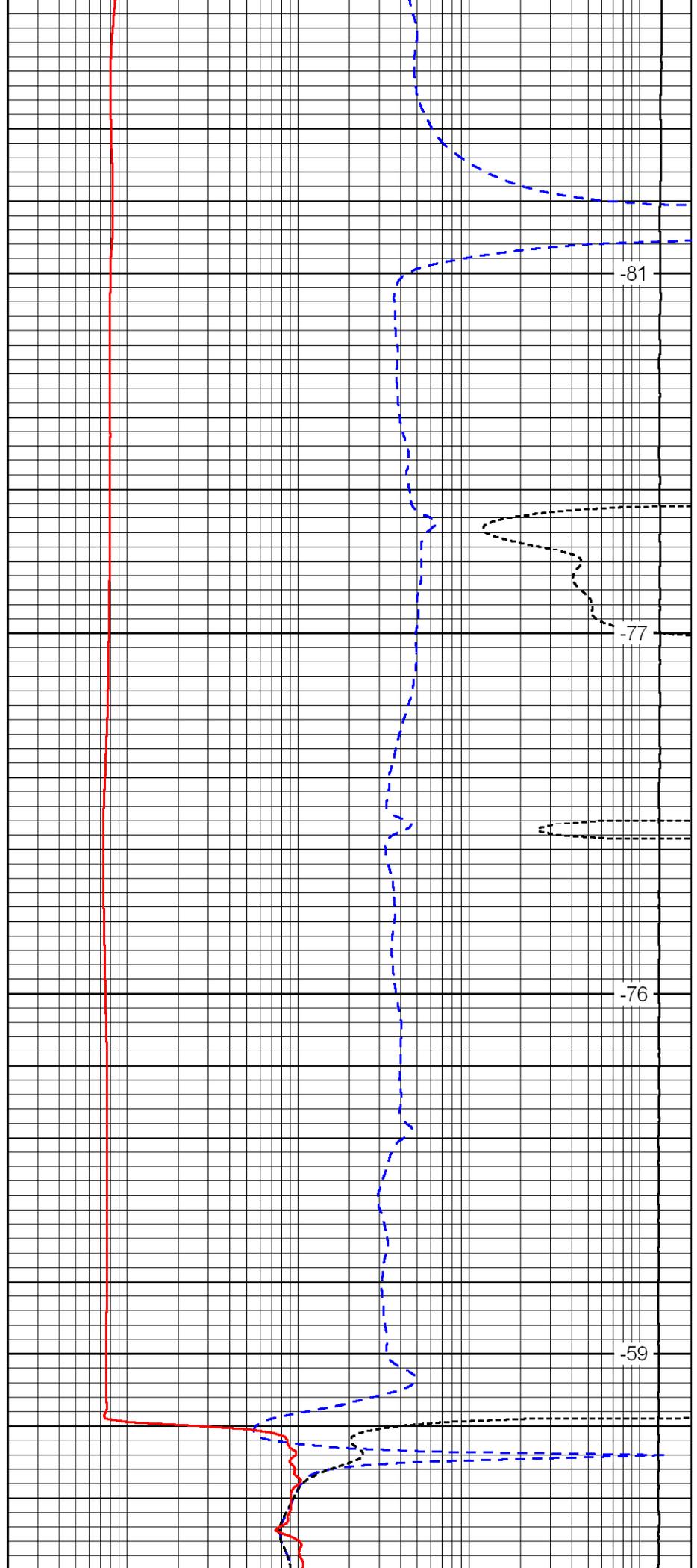


100

150

200

250

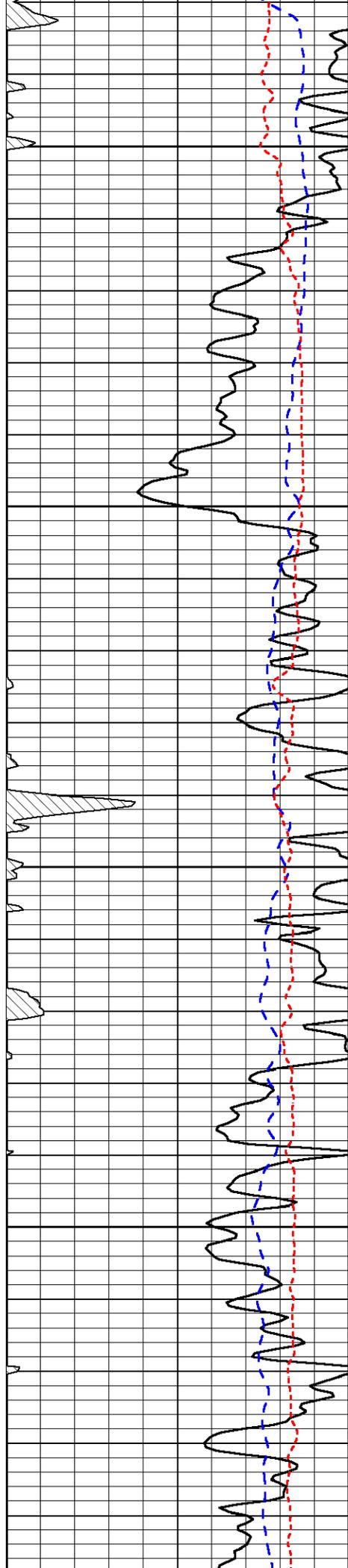


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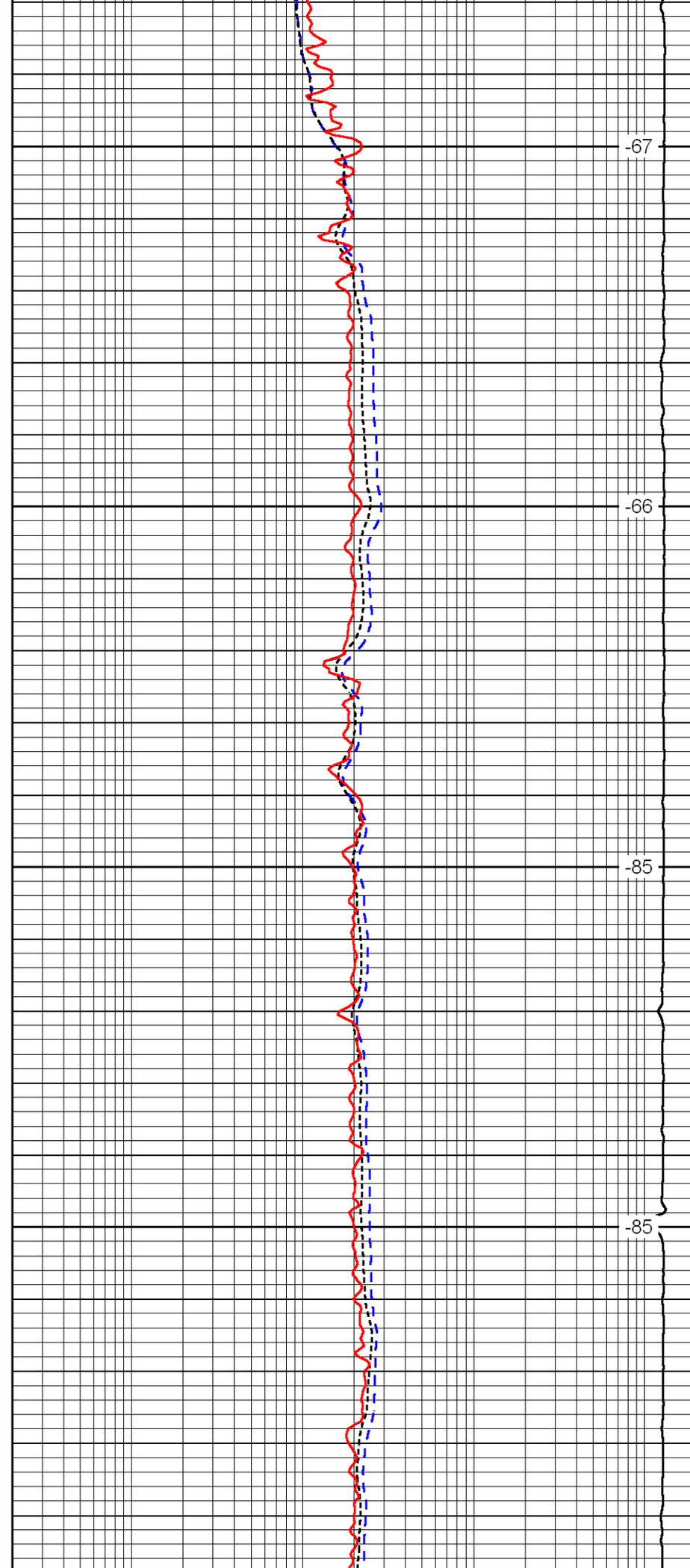


300

350

400

450

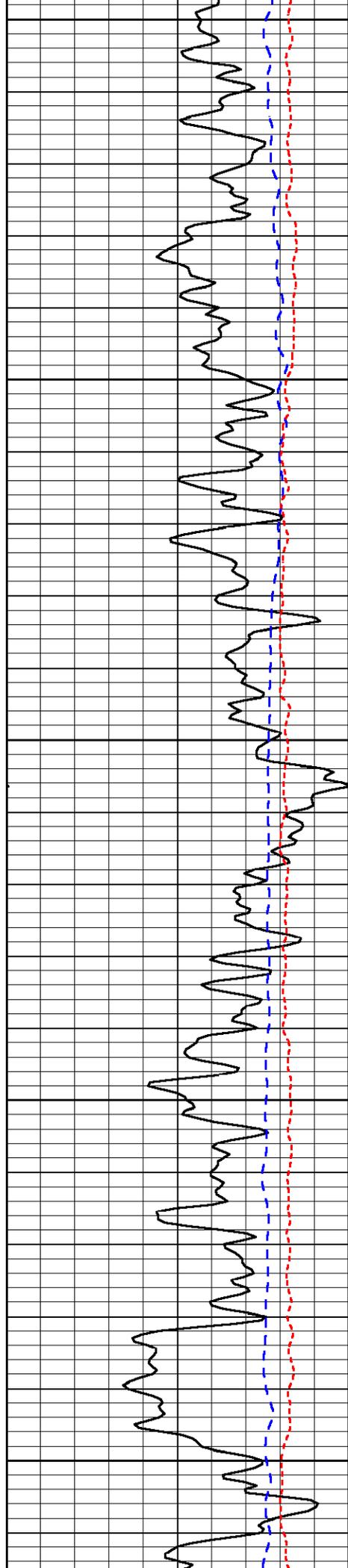


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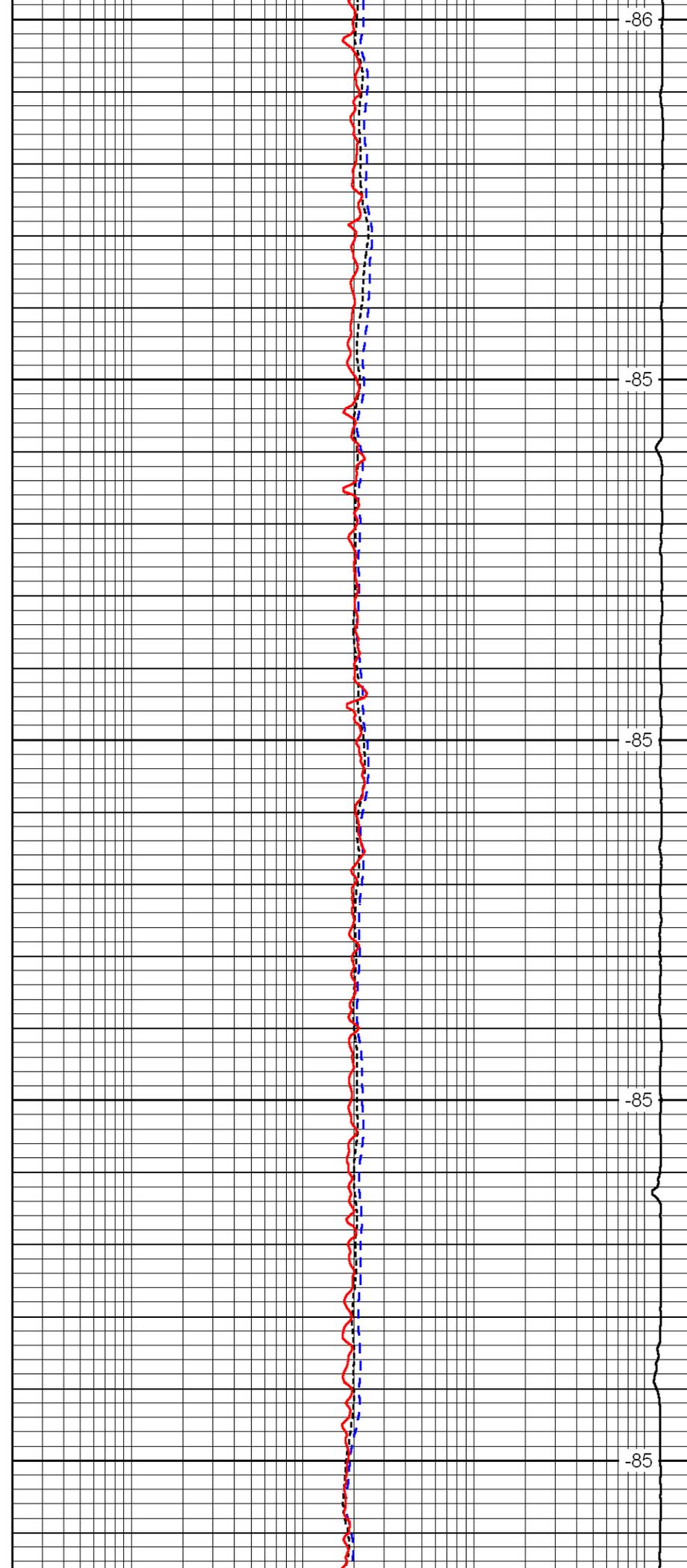
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650

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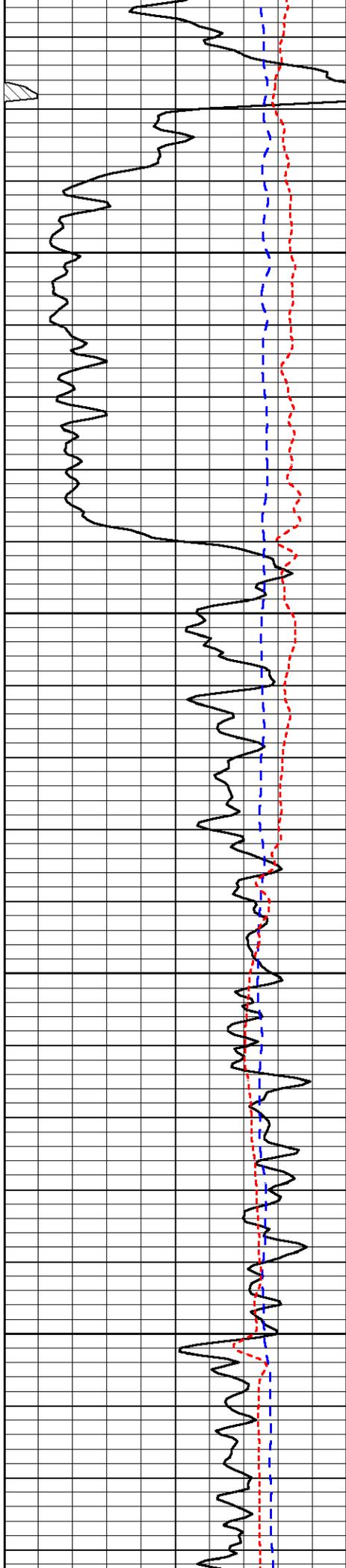
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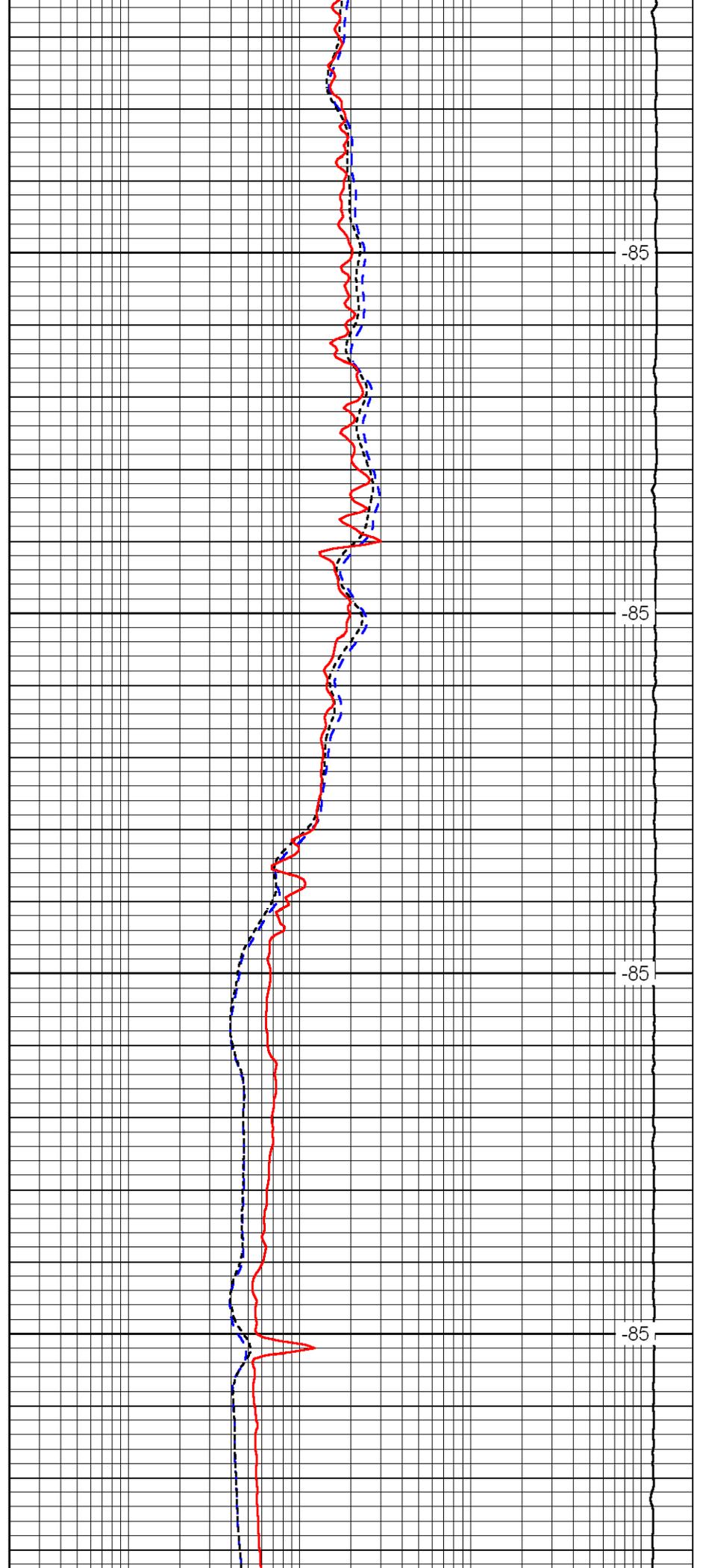


750

800

850

900

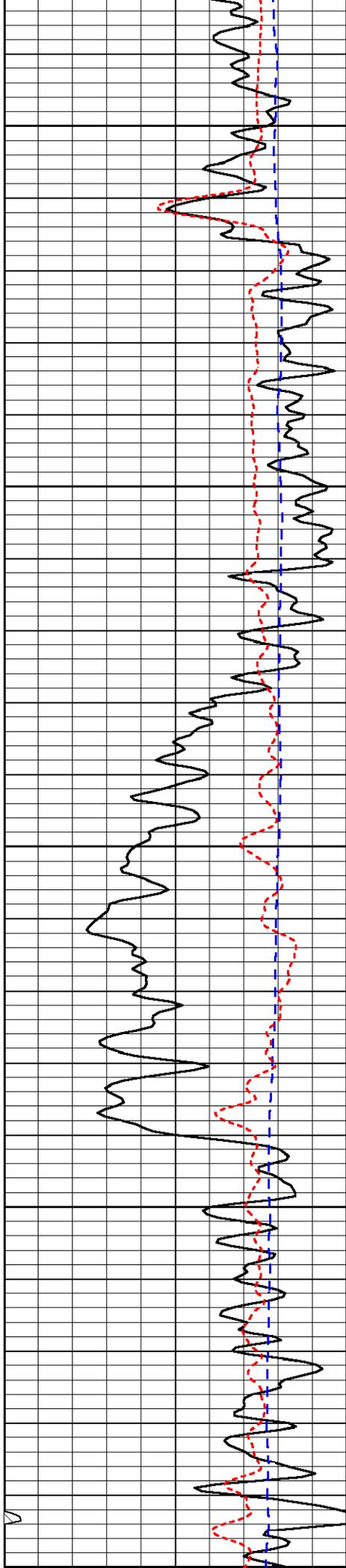


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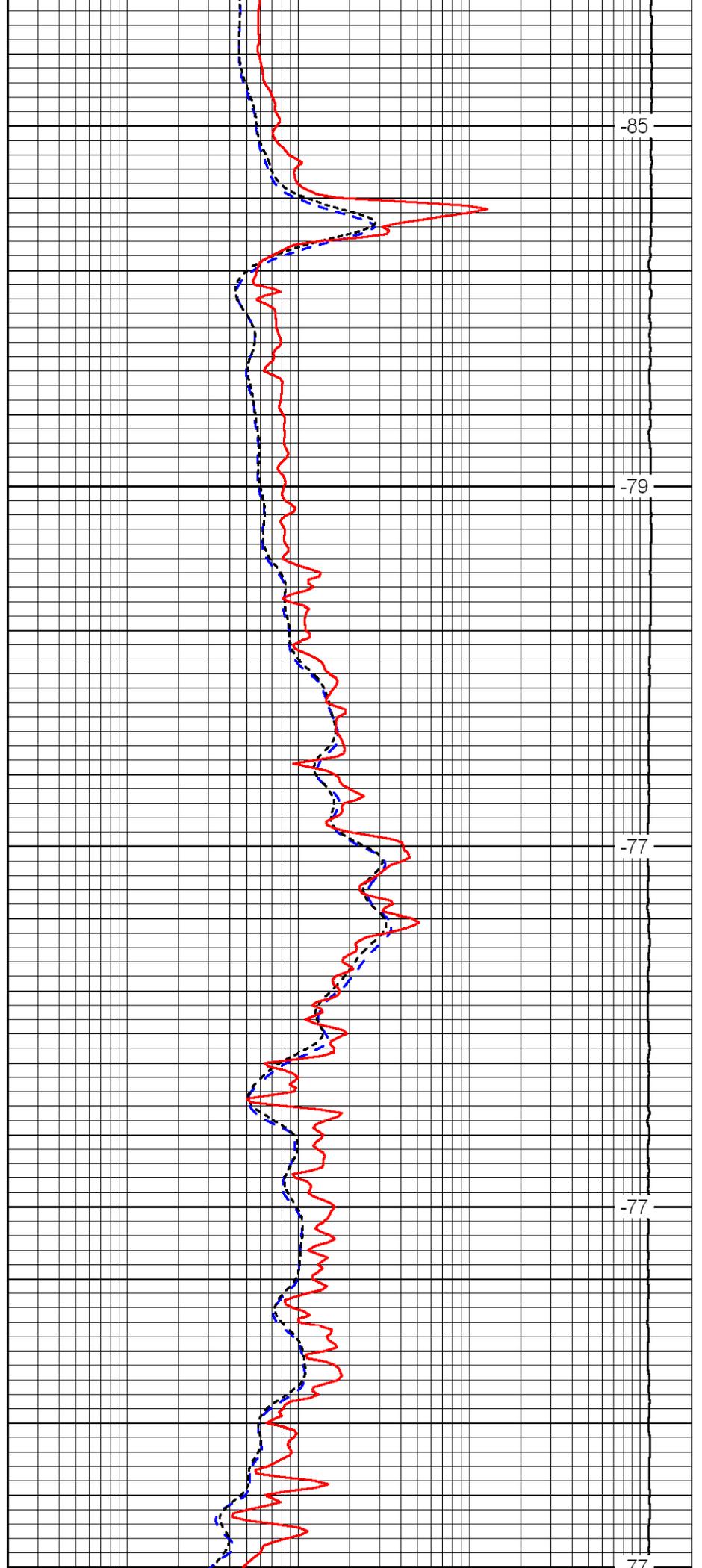
950

1000

1050

1100

1150



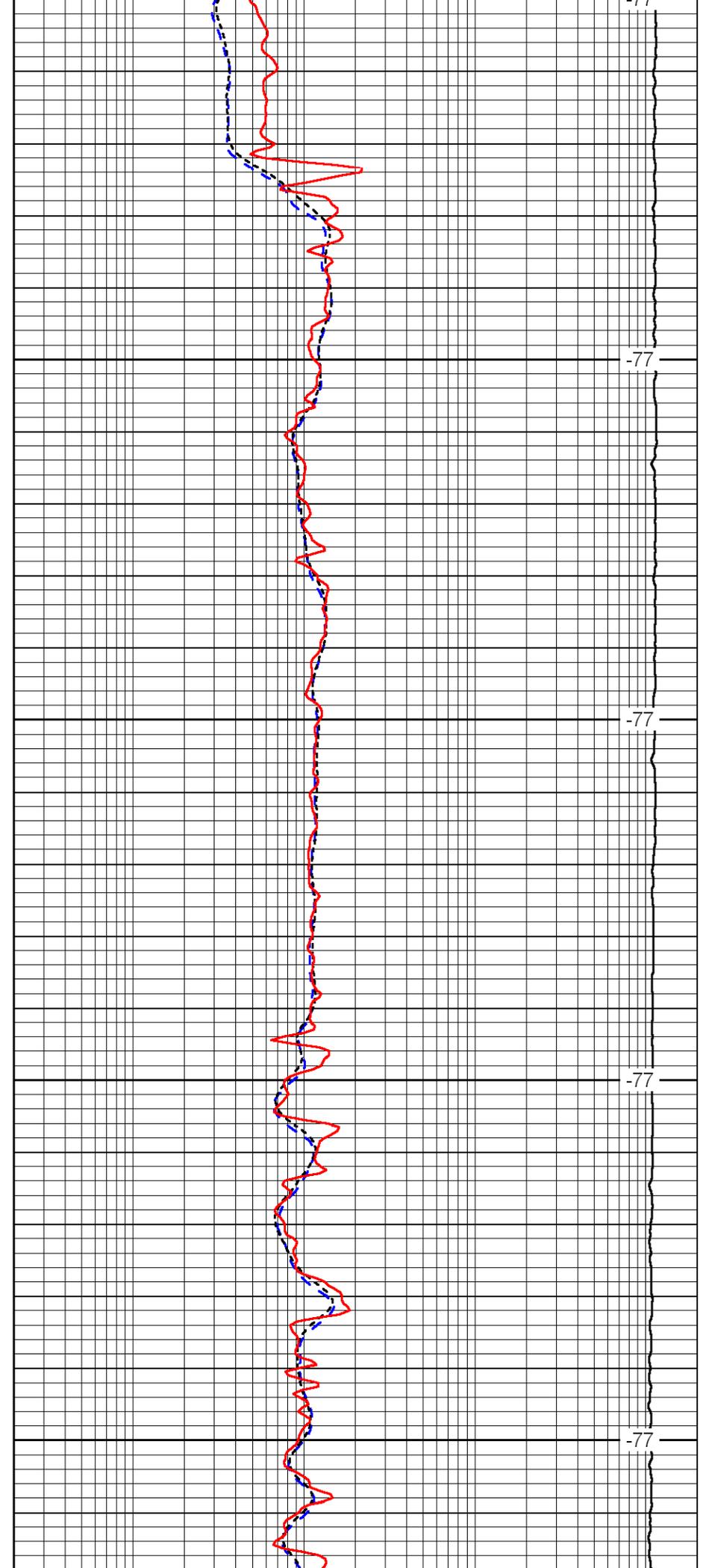
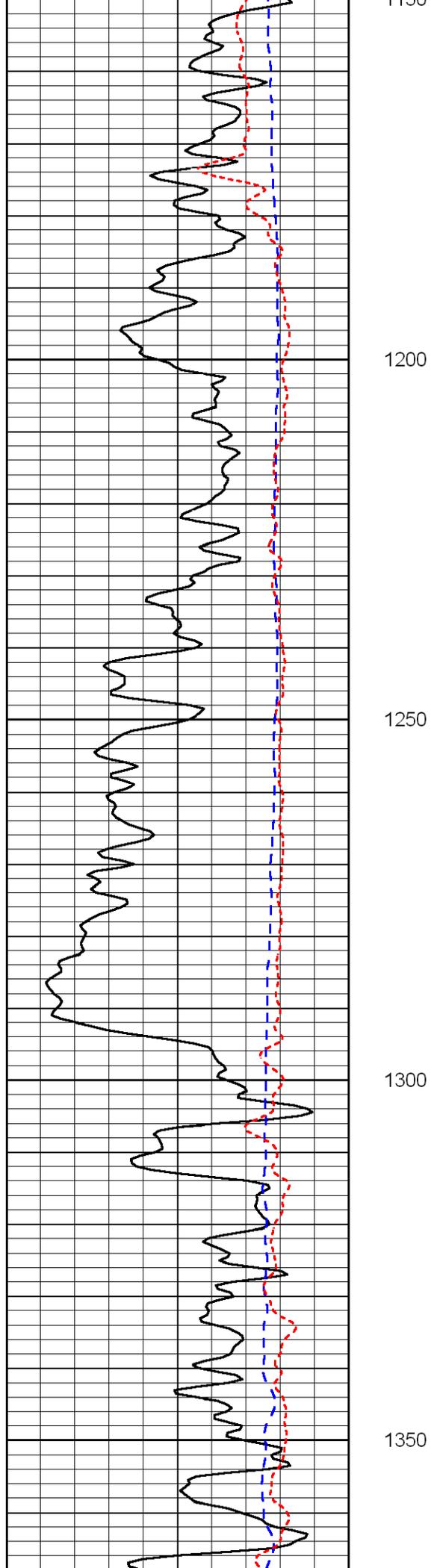
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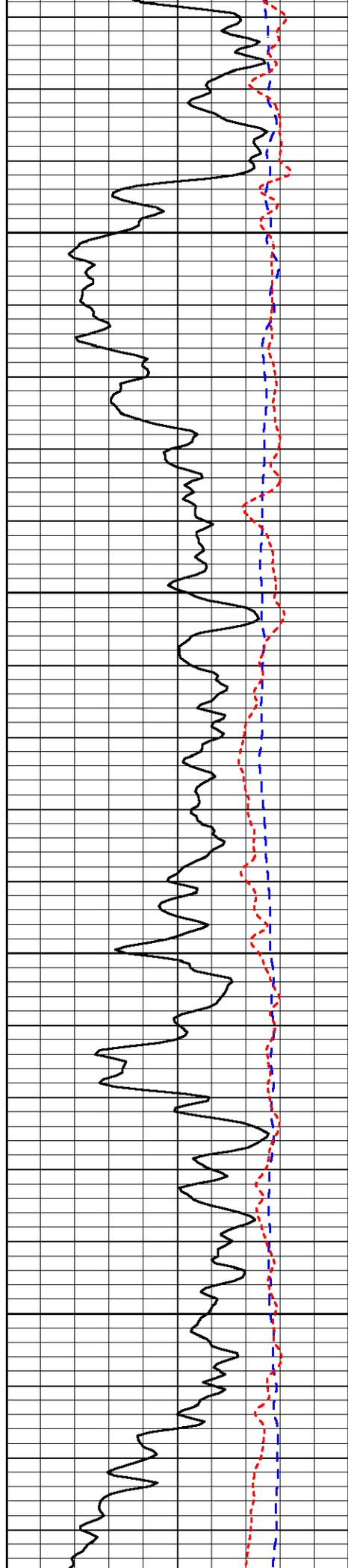
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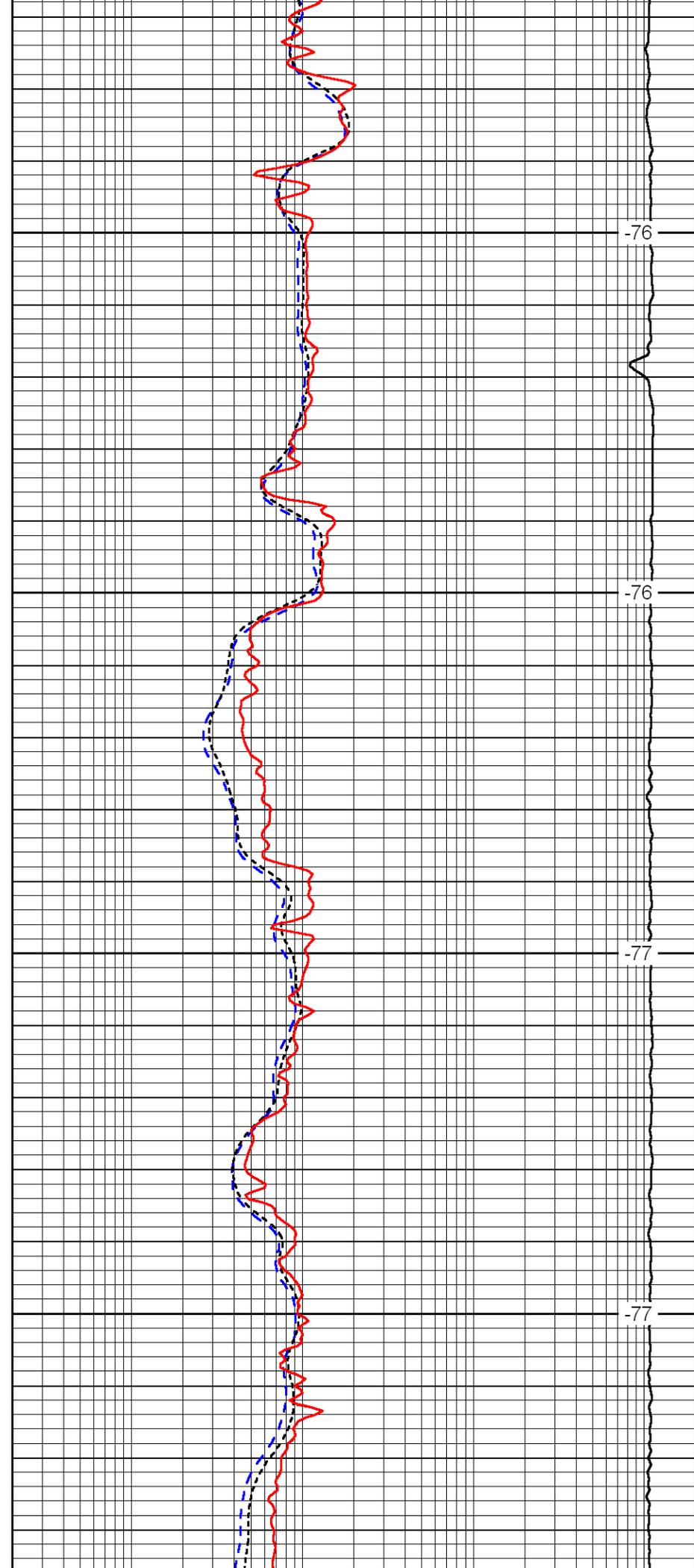


1400

1450

1500

1550

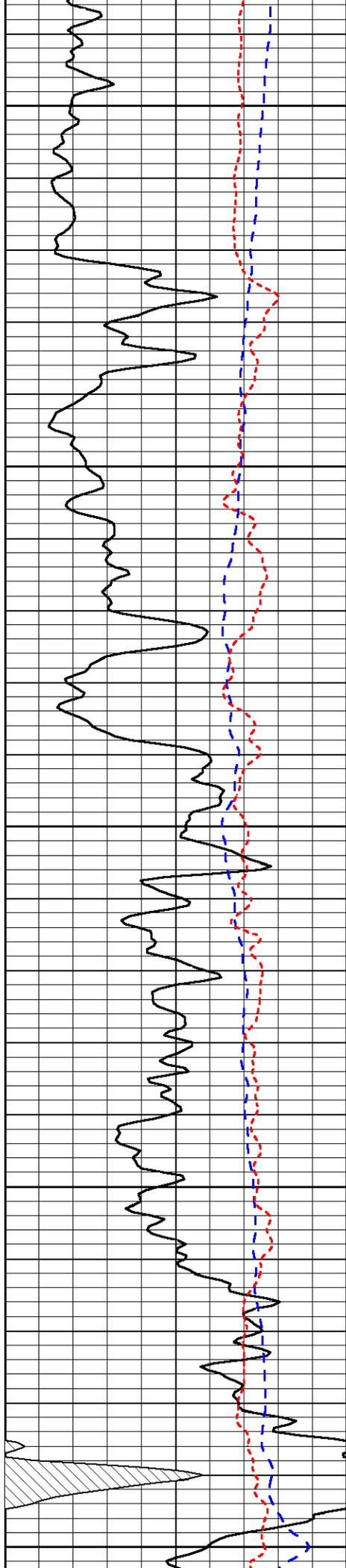


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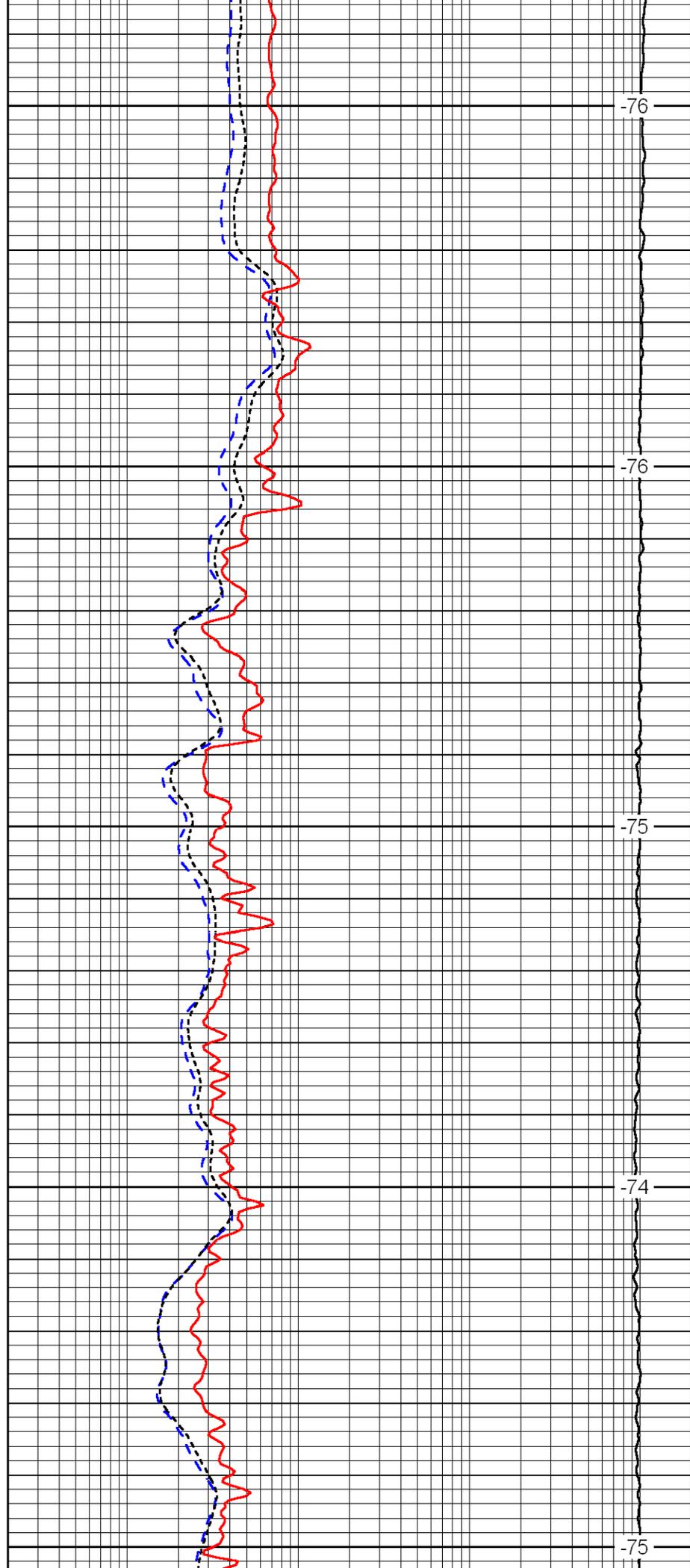
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1700

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1800



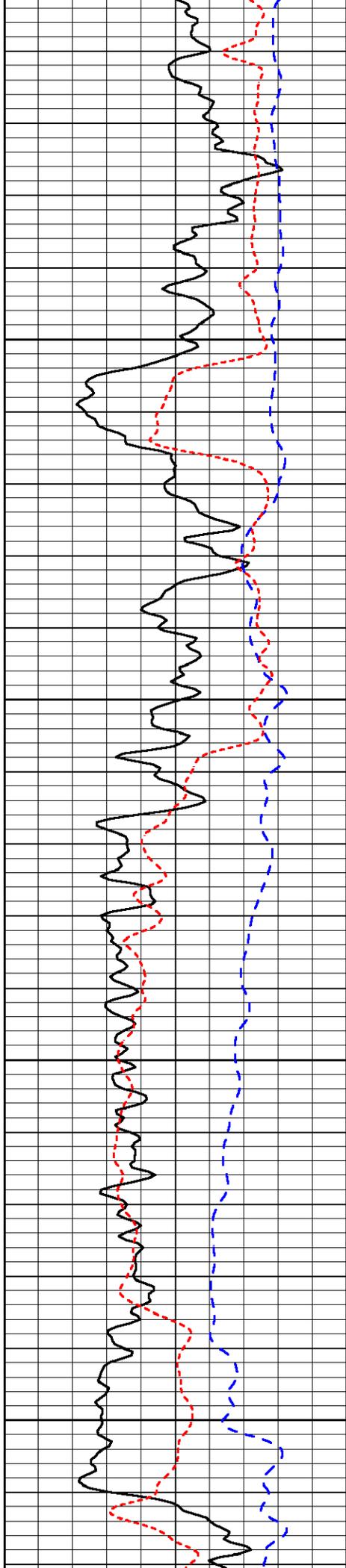
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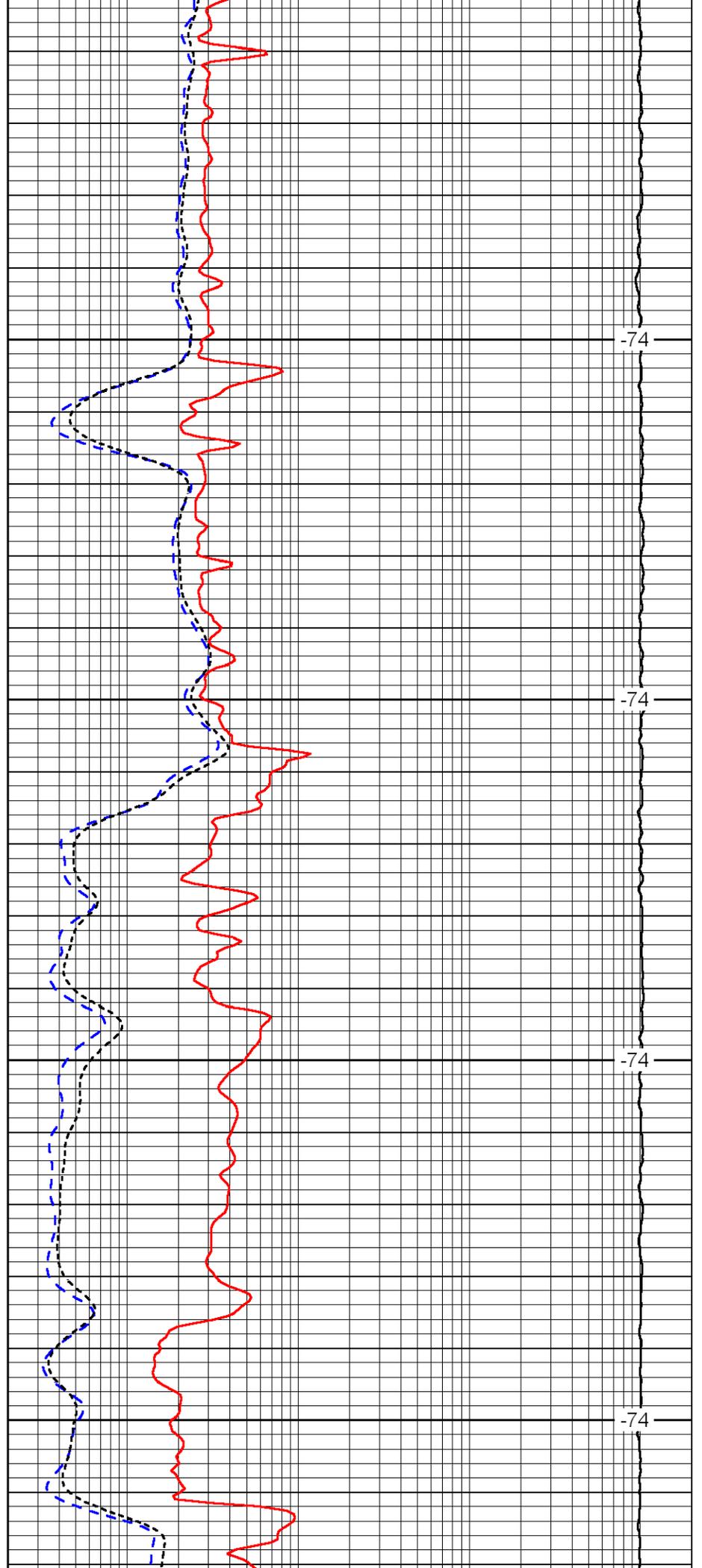


1850

1900

1950

2000

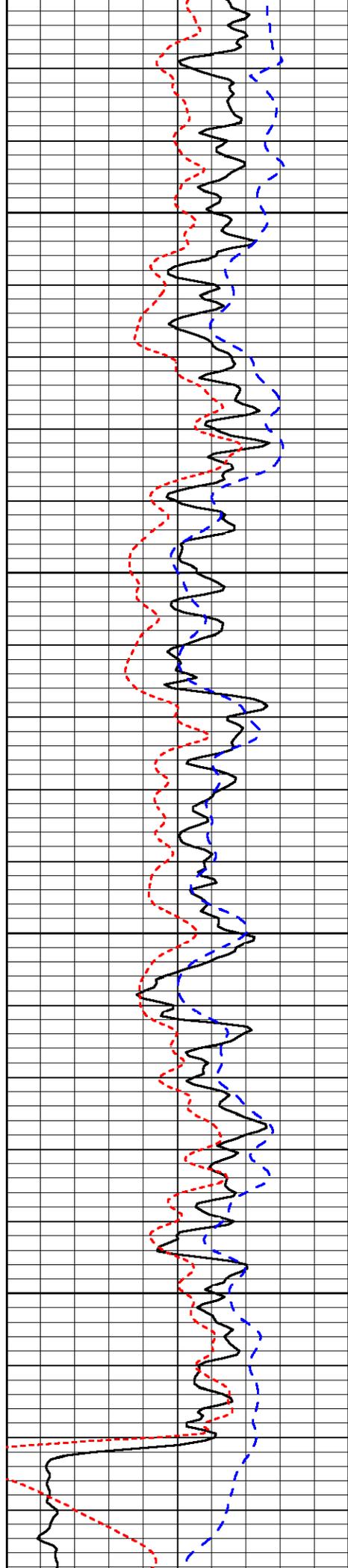


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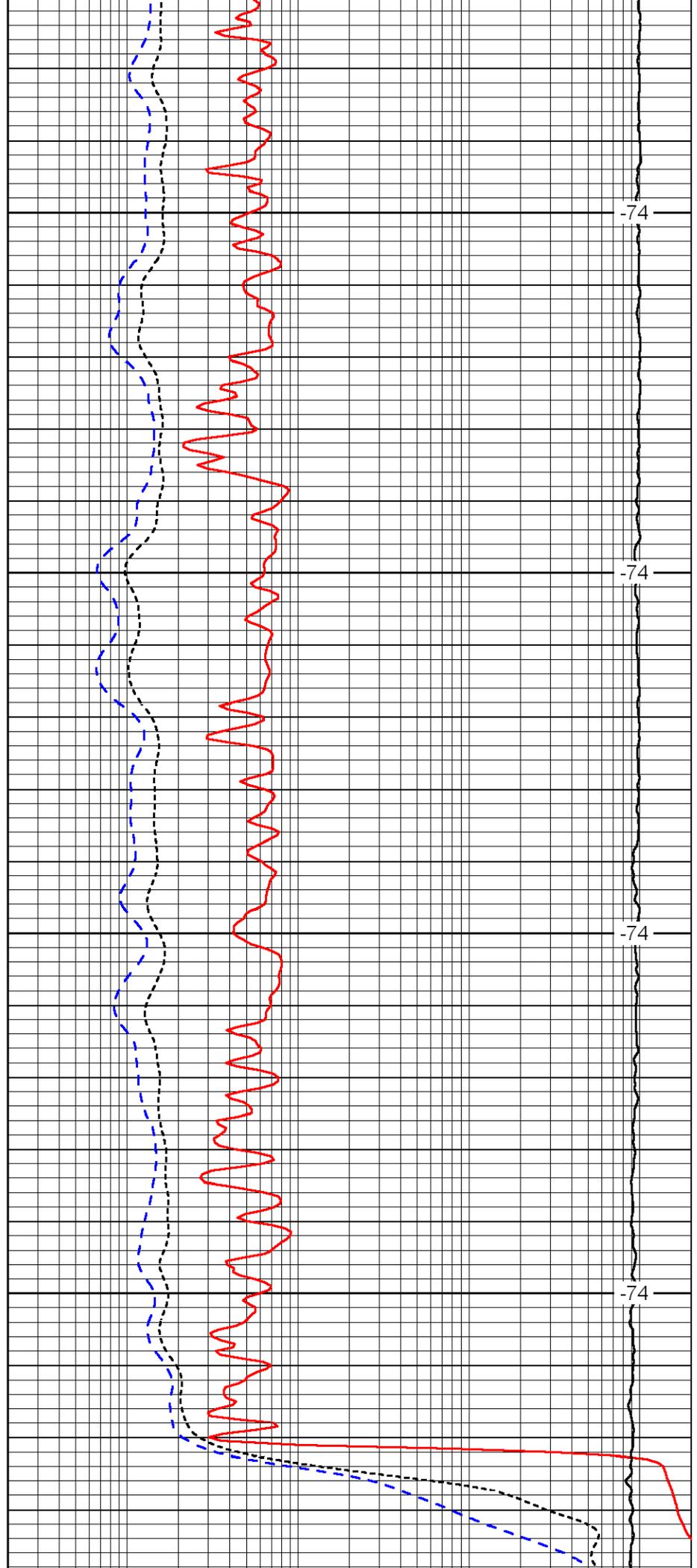


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2150

2200

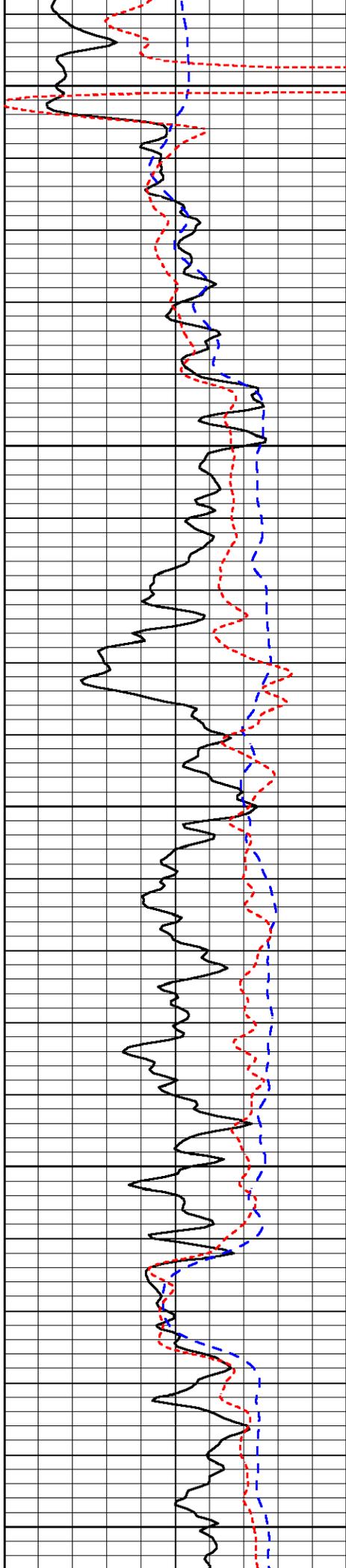


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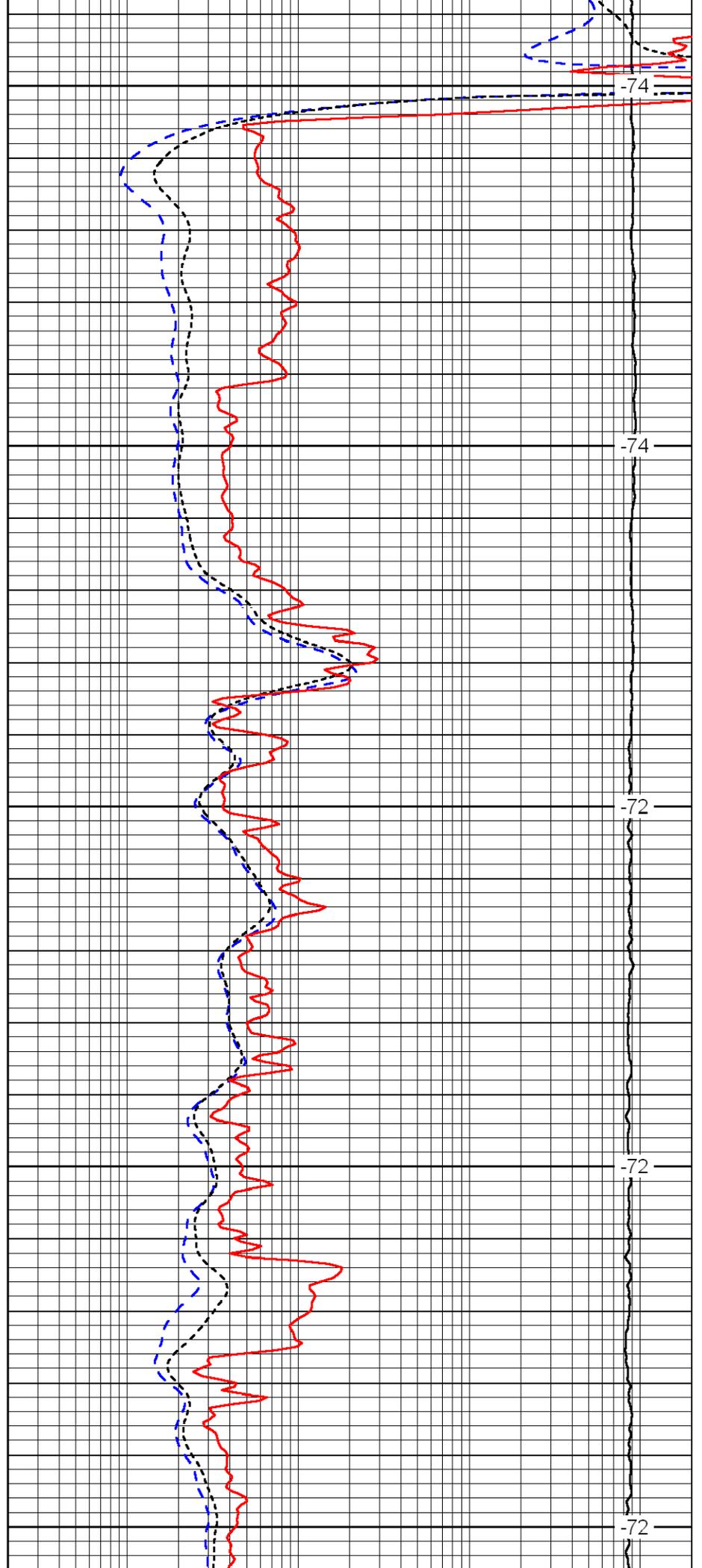
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2350

2400

2450



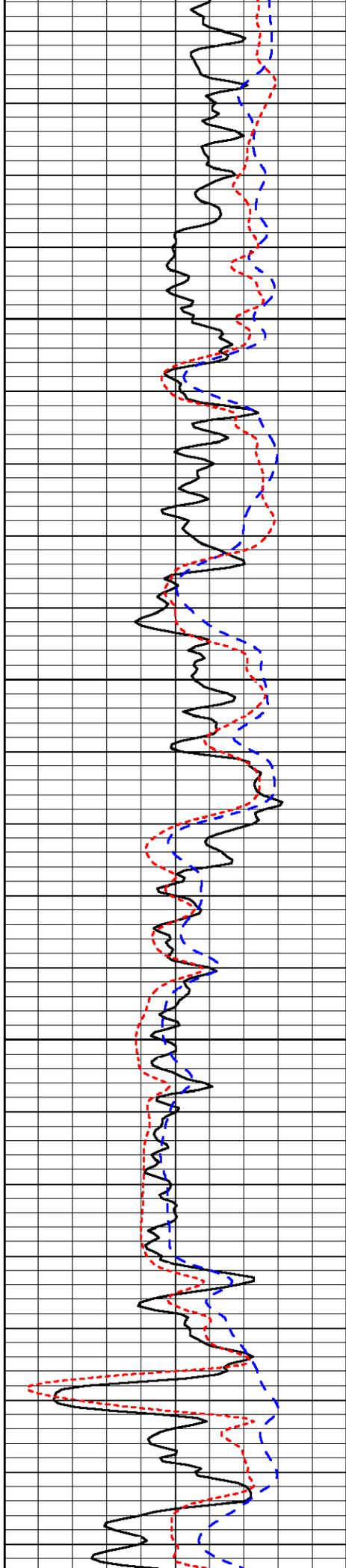
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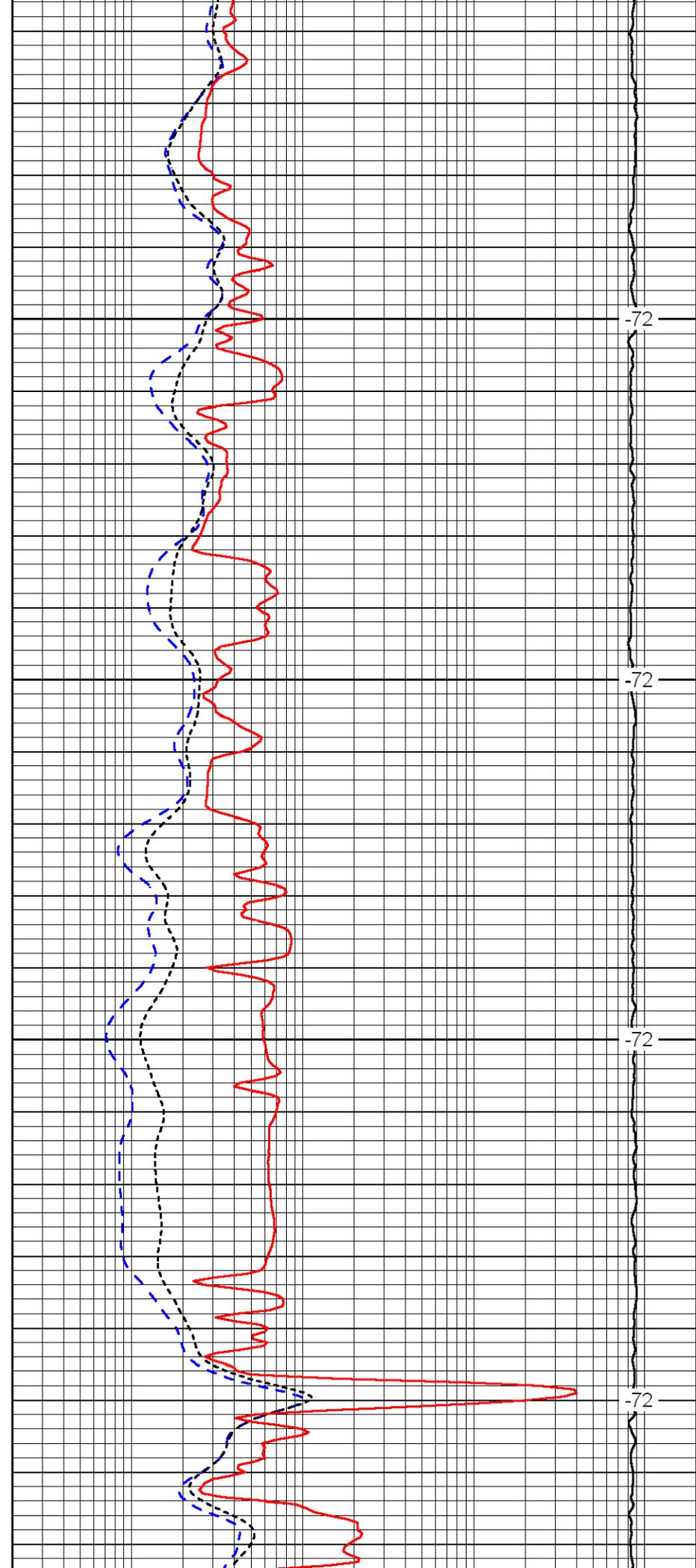


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2550

2600

2650

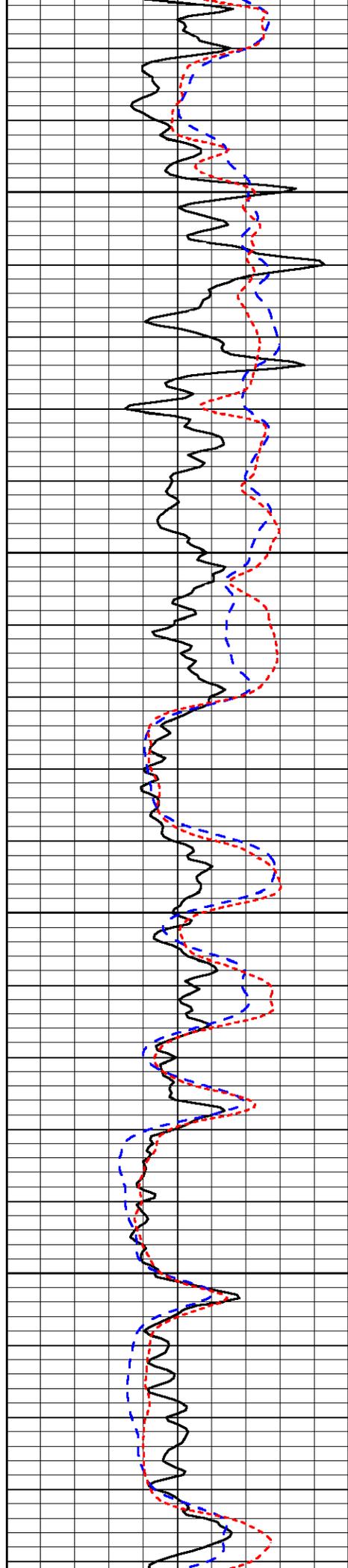


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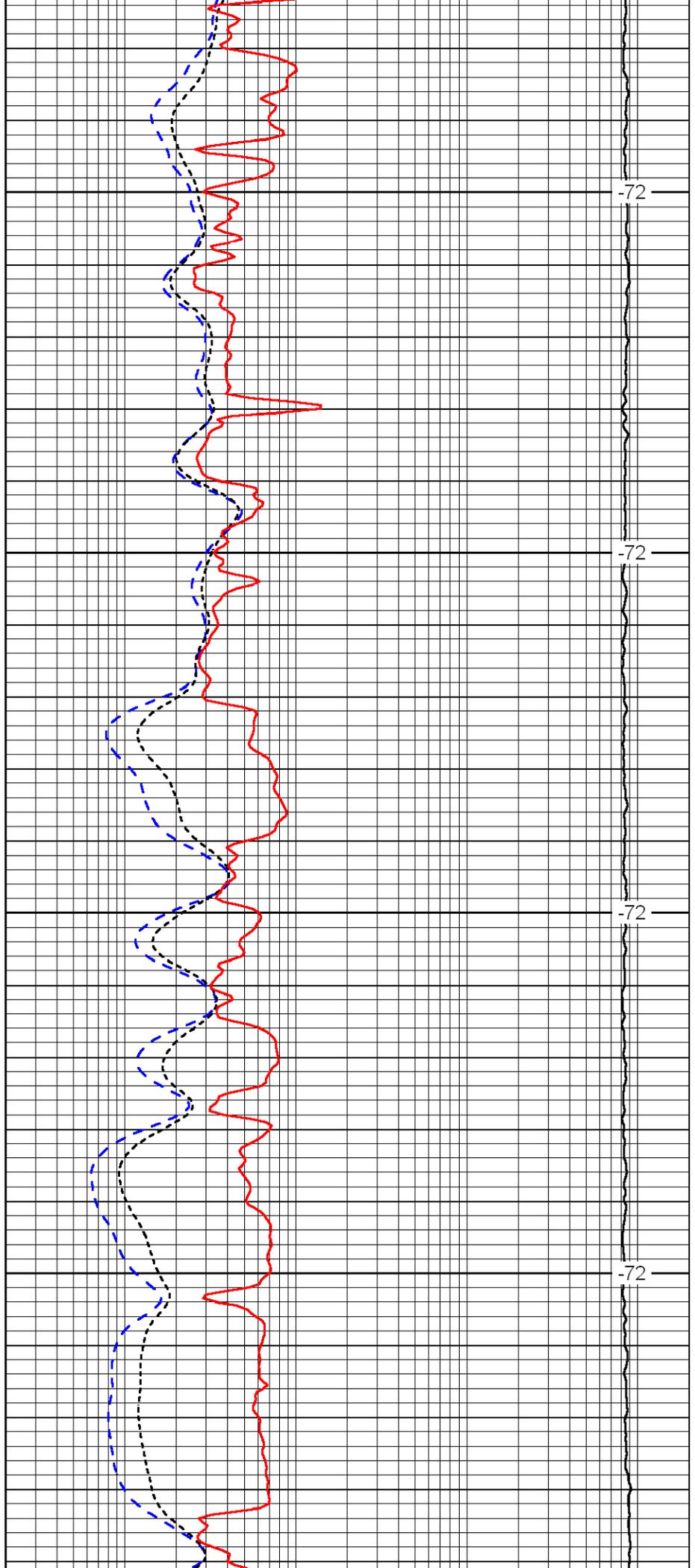


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2750

2800

2850

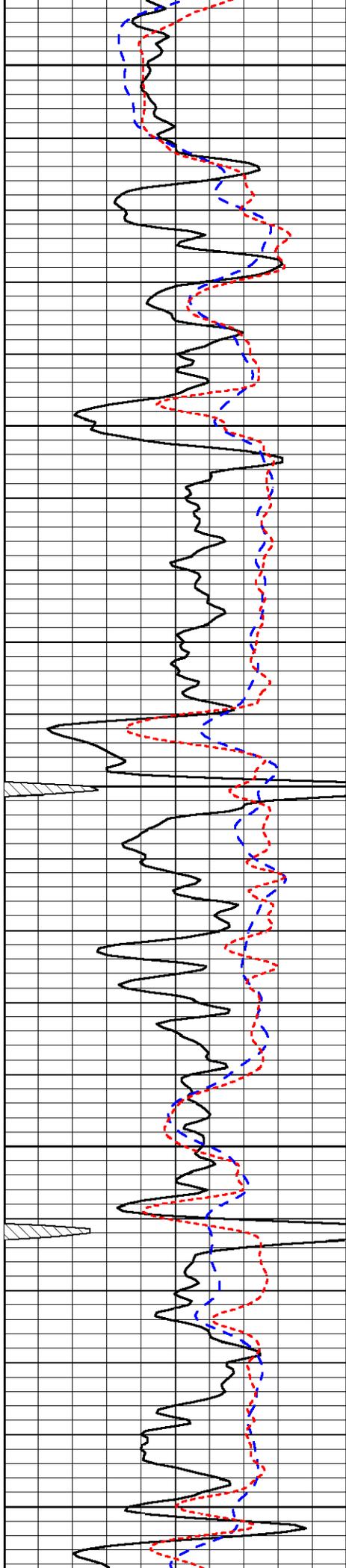


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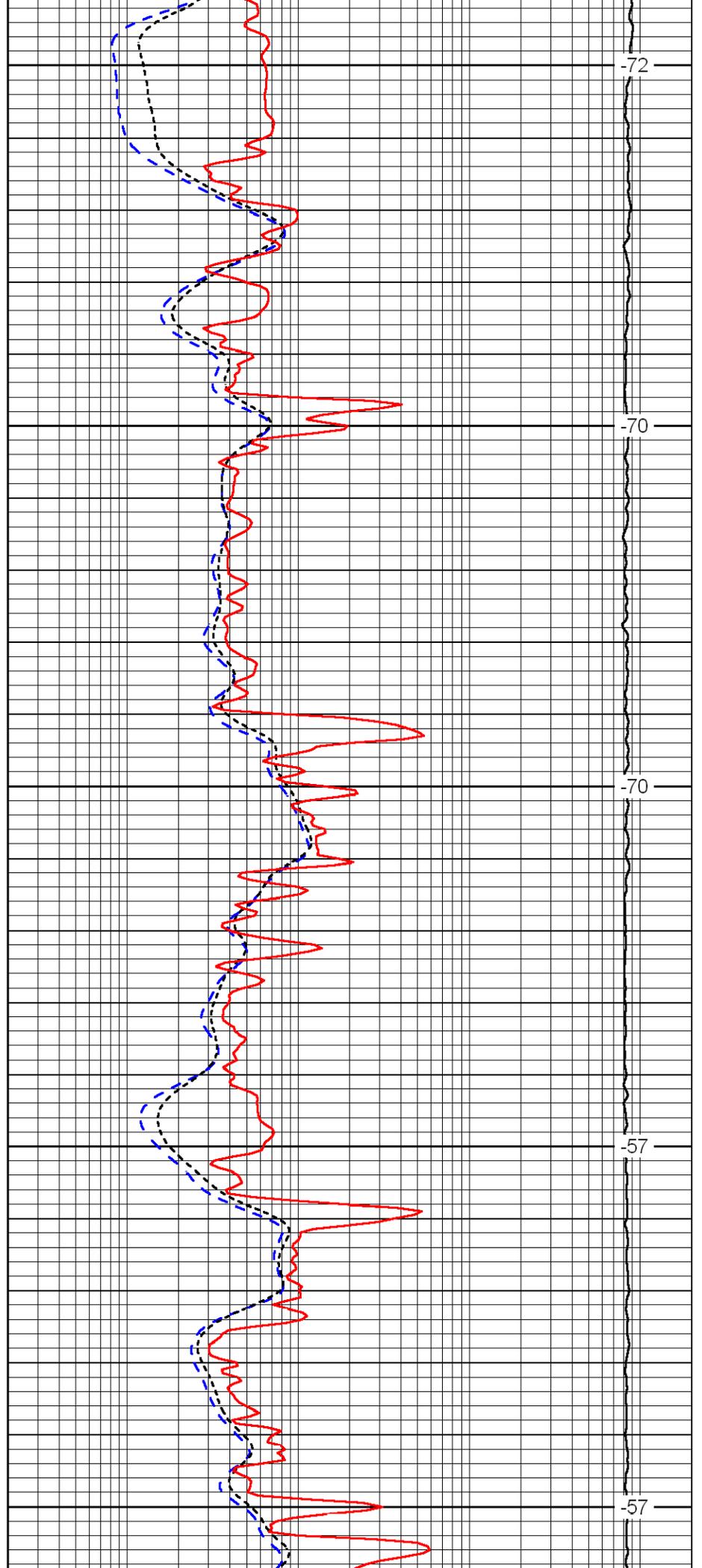
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2950

3000

3050

3100



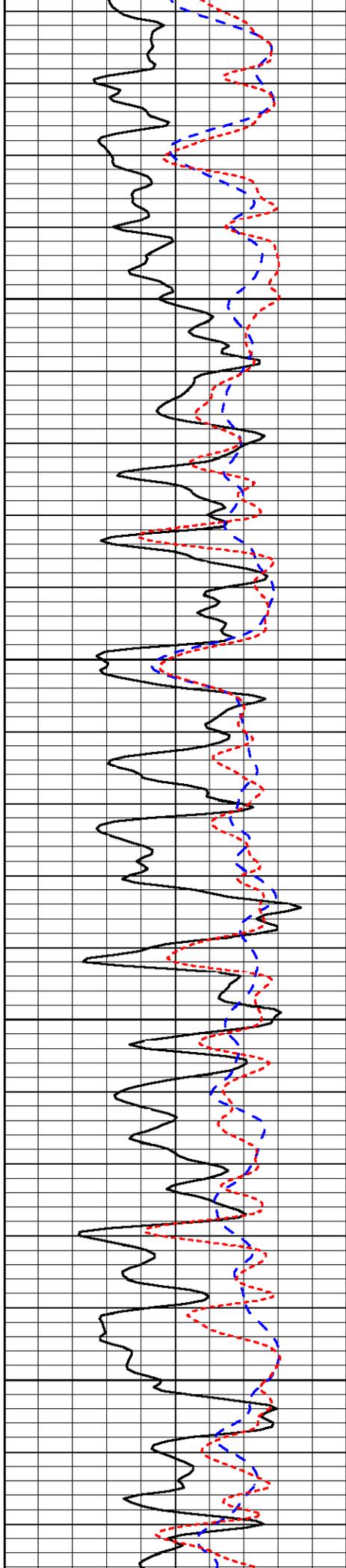
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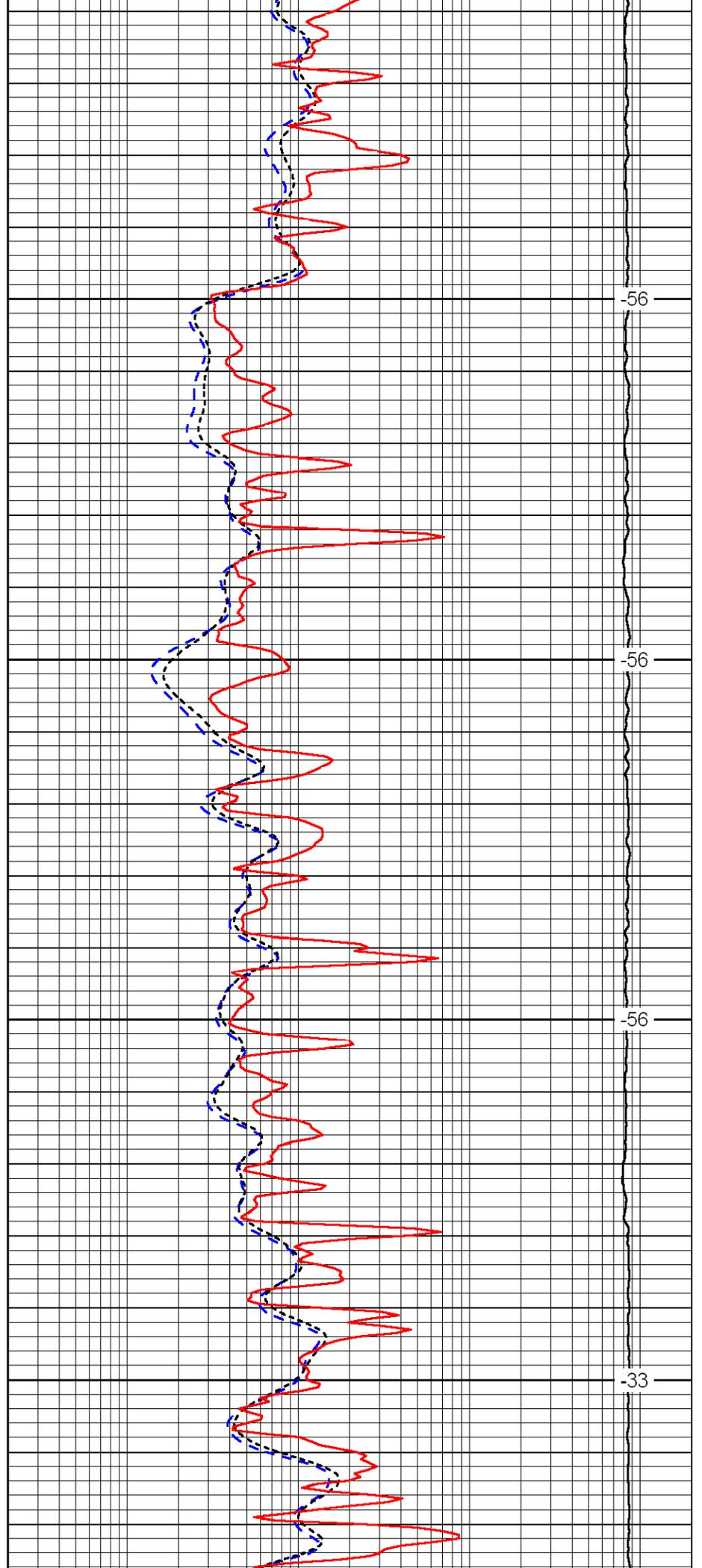


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3200

3250

3300

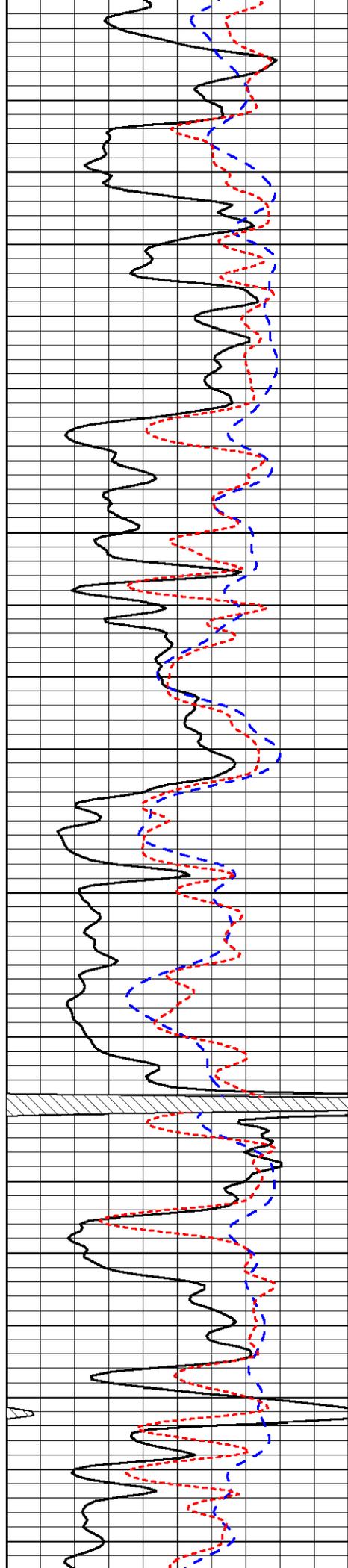


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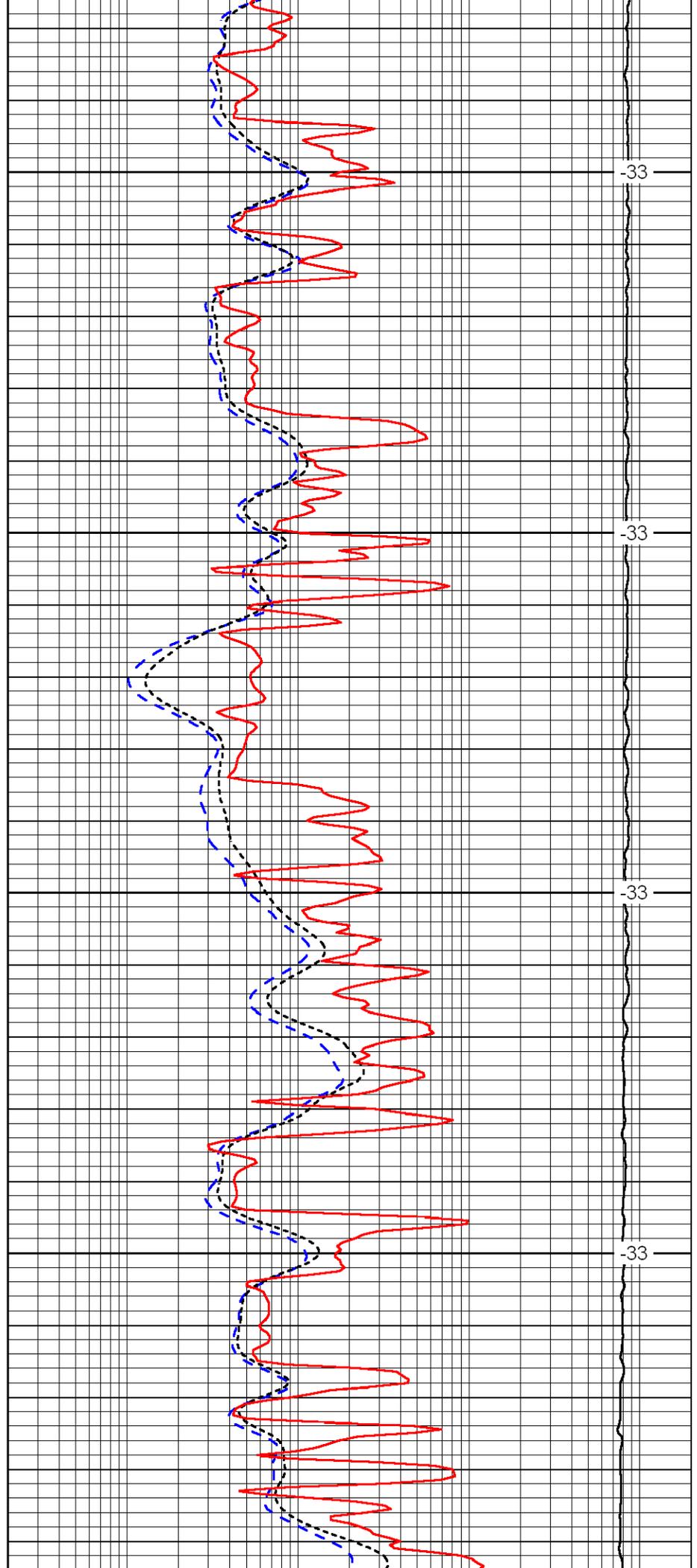


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3400

3450

3500

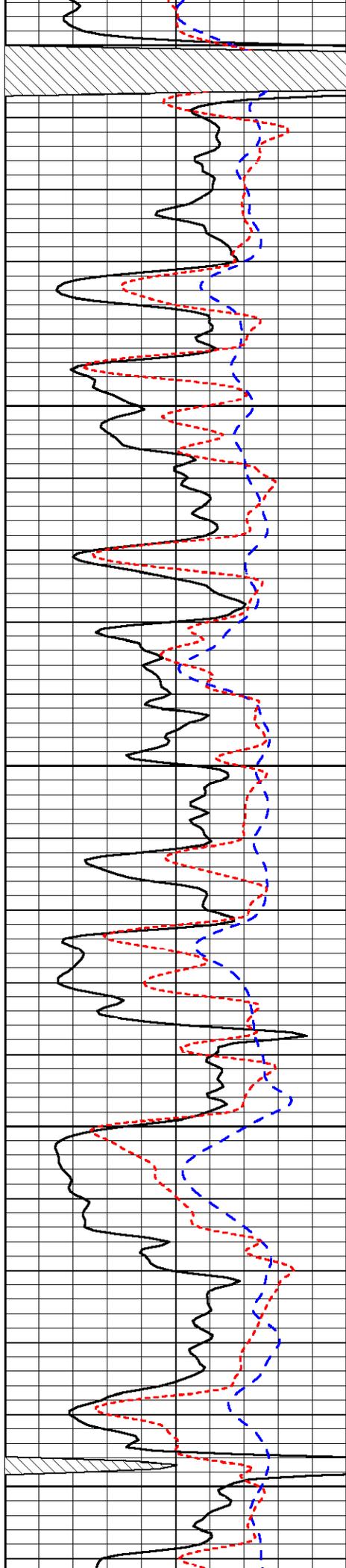


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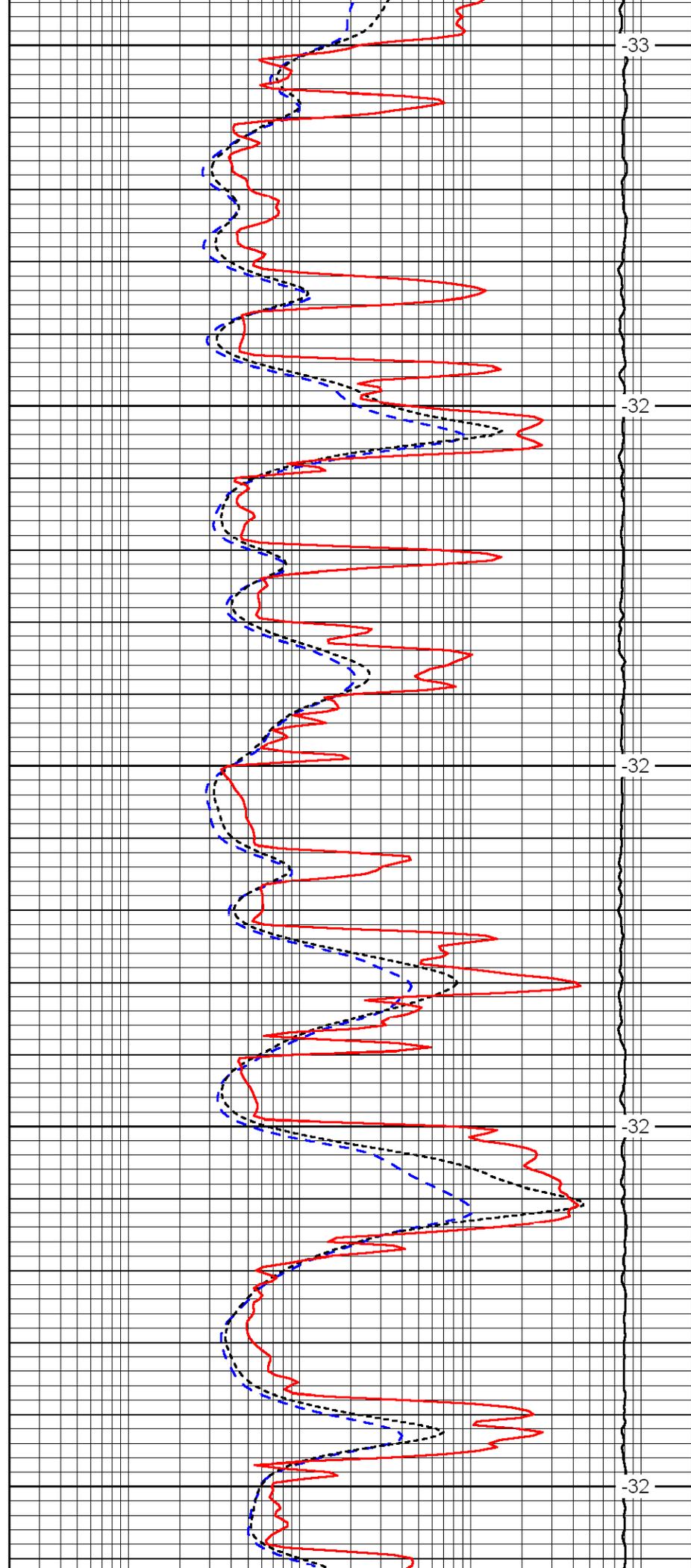
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3600

3650

3700

3750



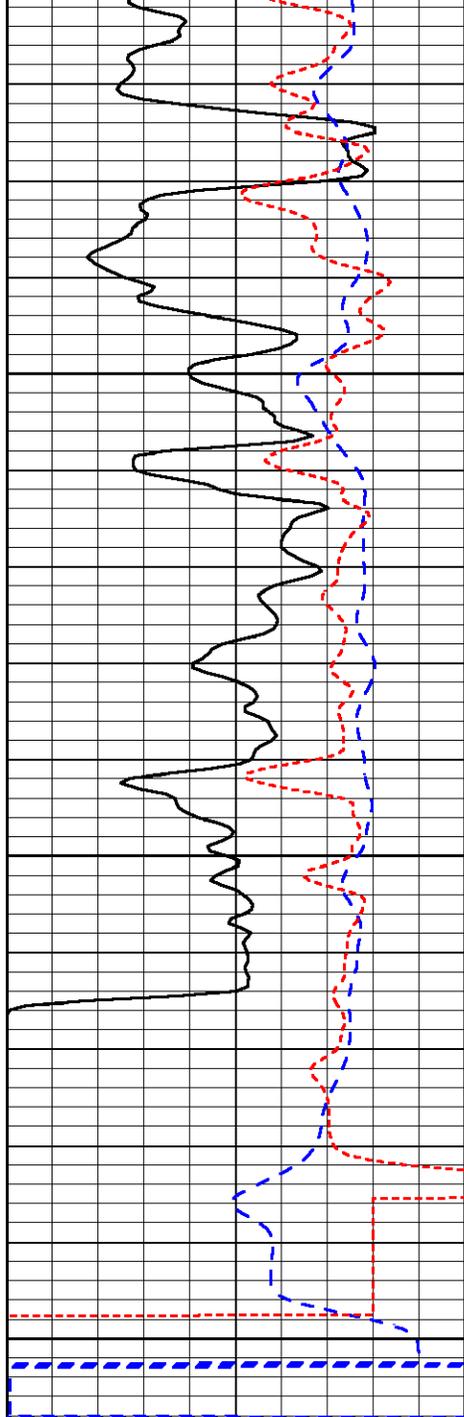
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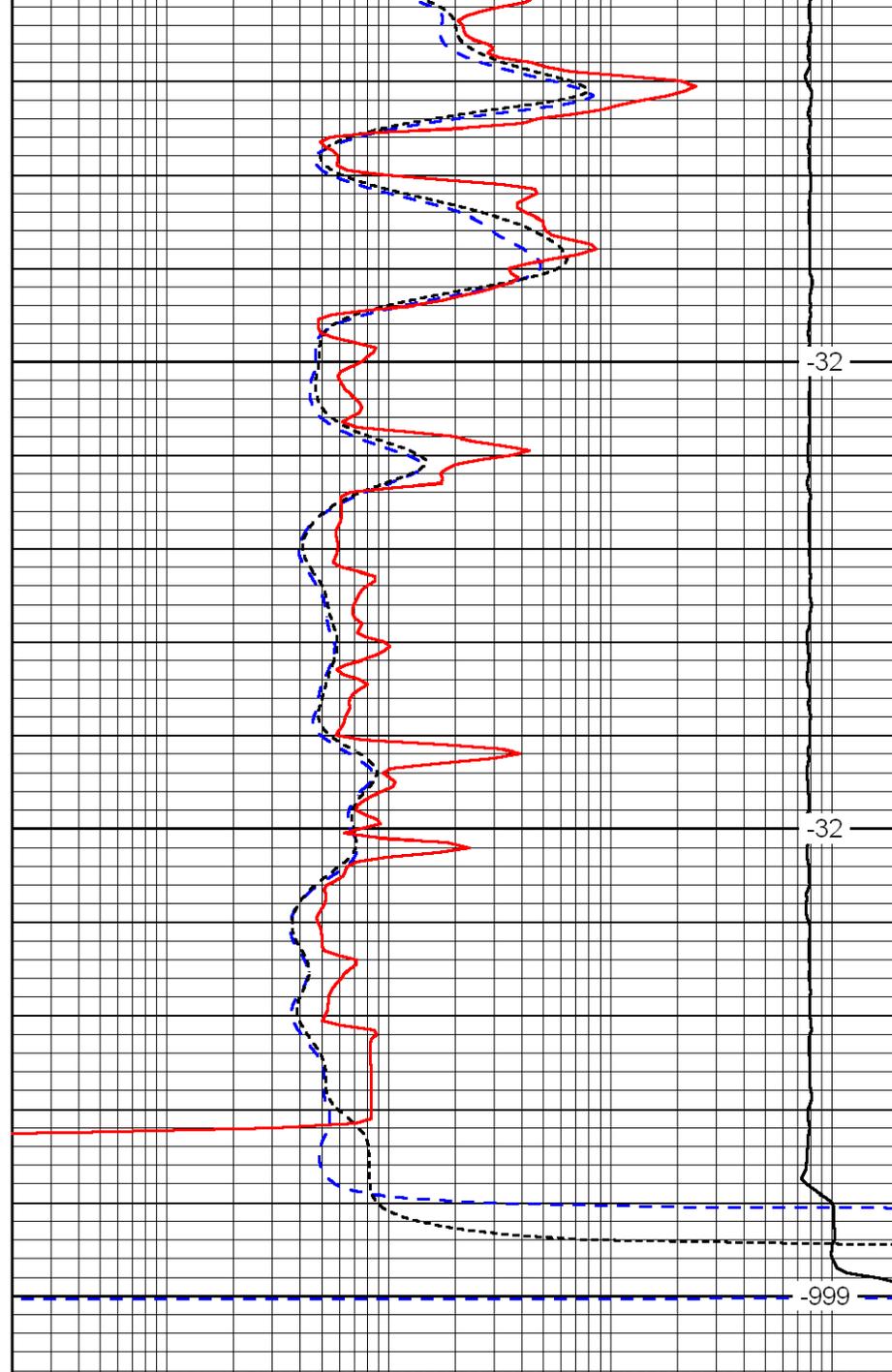


3800

3850

3900

0	Gamma Ray	150
-200	SP	0
-160	Rxo / Rt	40



-32

-32

-999

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

LSPD