



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	15-179-21,214-00-00		
Company	Murfin Drilling Company, Inc.		
Well	Kenalwhit Unit No. 1-21		
Field	Lombardy		
County	Sheridan	State	Kansas
Location	1380' FNL & 1870' FWL		
Sec: 21	Twp: 9S	Rge: 27W	Other Services CNL/CDL MEL
Permanent Datum	Ground Level	Elevation 2740	Elevation
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	K.B. 2745
Drilling Measured From	Frotkelly Bushing		D.F. 2743
			G.L. 2740

Date	11/17/2008
Run Number	One
Depth Driller	4500
Depth Logger	4504
Bottom Logged Interval	4503
Top Log Interval	250
Casing Driller	8.625 @ 290
Casing Logger	288
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	2.800
Density / Viscosity	9.1 59
pH / Fluid Loss	11.5 5.6
Source of Sample	Flowline
Rm @ Meas. Temp	1.1 @ 65
Rmf @ Meas. Temp	.825 @ 65
Rmc @ Meas. Temp	1.48 @ 65
Source of Rmf / Rmc	Charts
Rm @ BHT	.58 @ 123
Operating Rig Time	3 Hours
Max Rec. Temp. F	123
Equipment Number	10
Location	Hays
Recorded By	Jason Wellbrock
Witnessed By	Brad Rine

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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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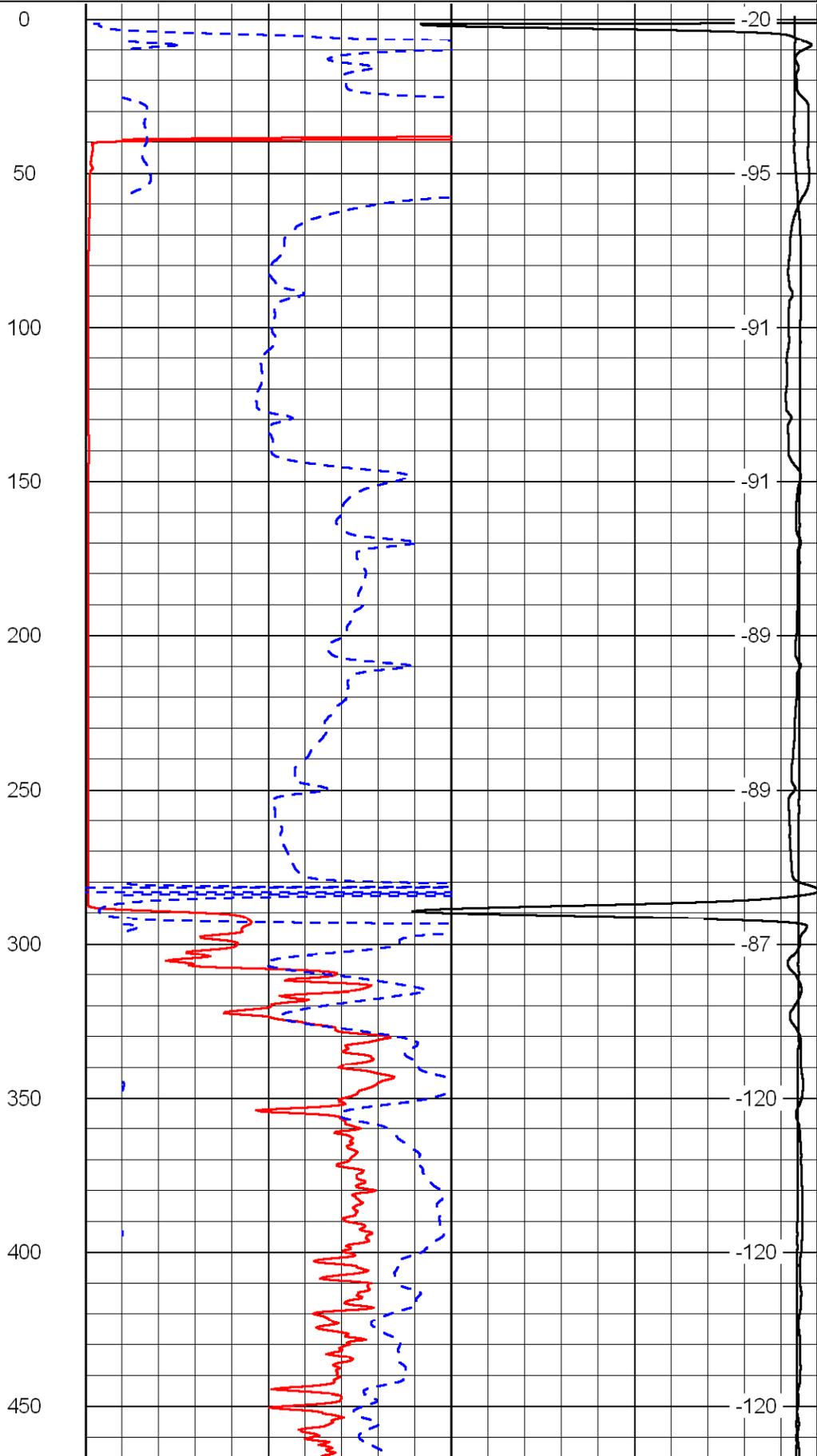
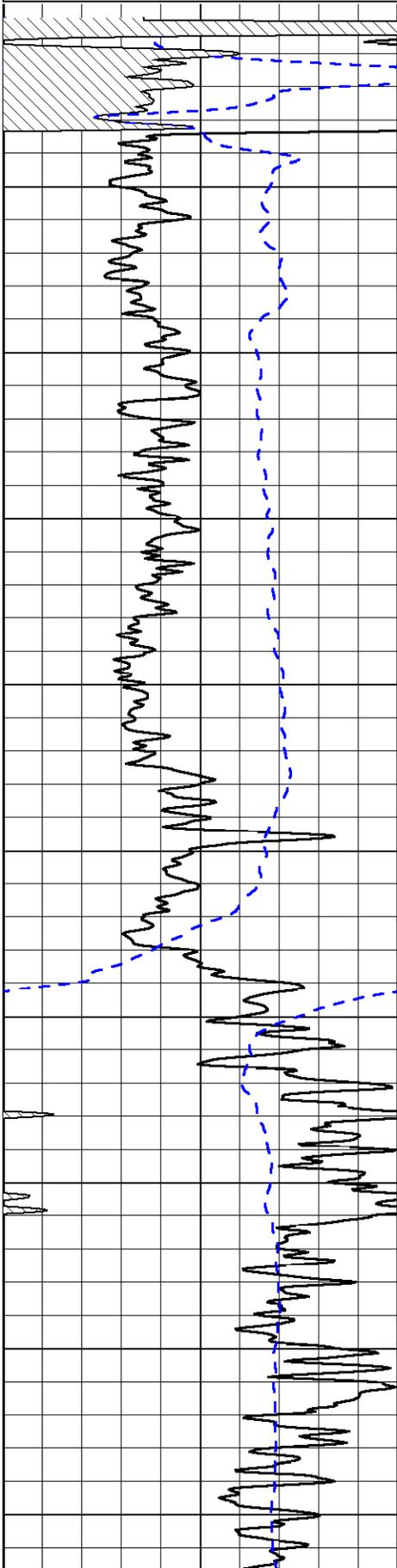
I-70 N towards Hoxie 11 N to rd 70, 5 E, S Into

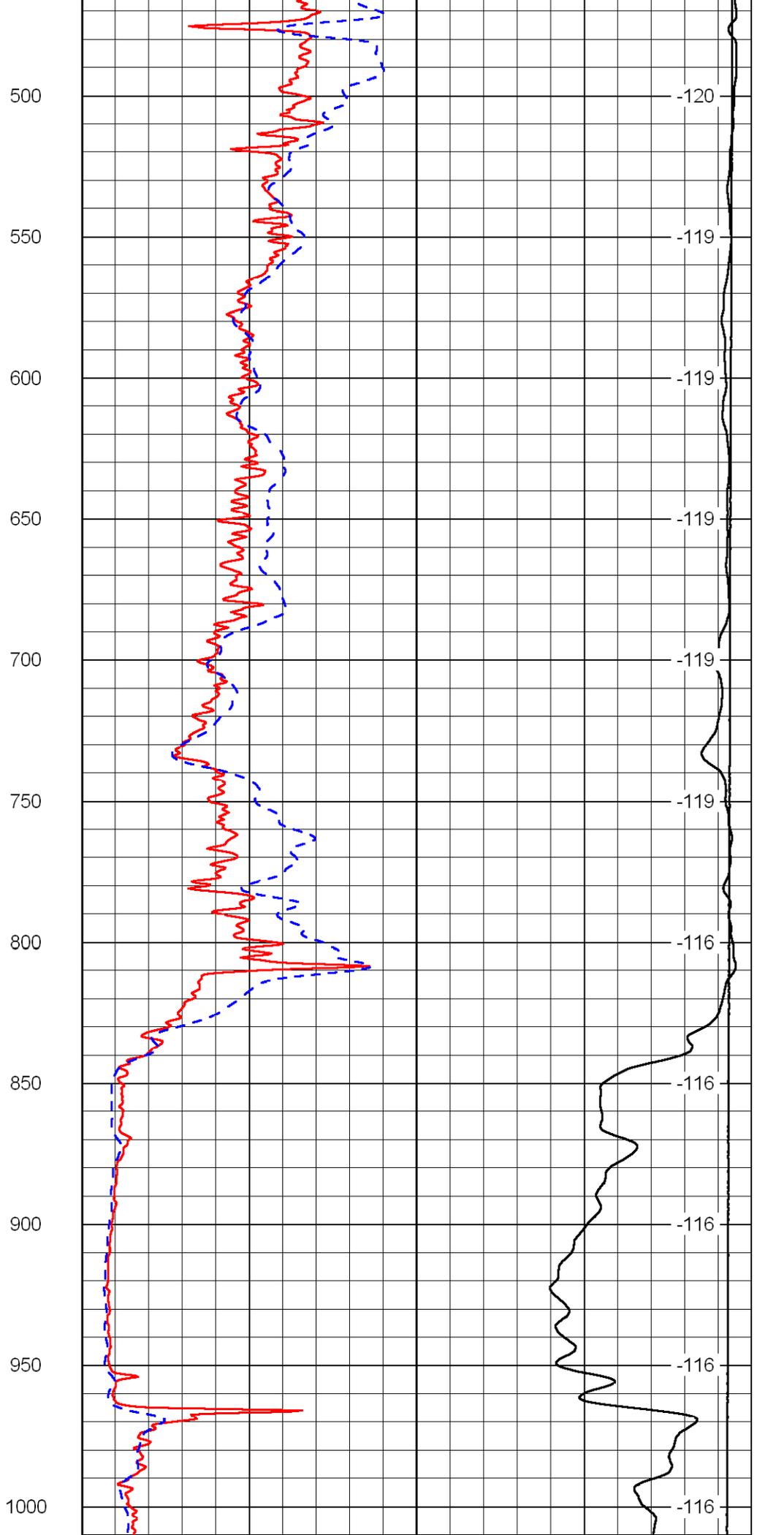
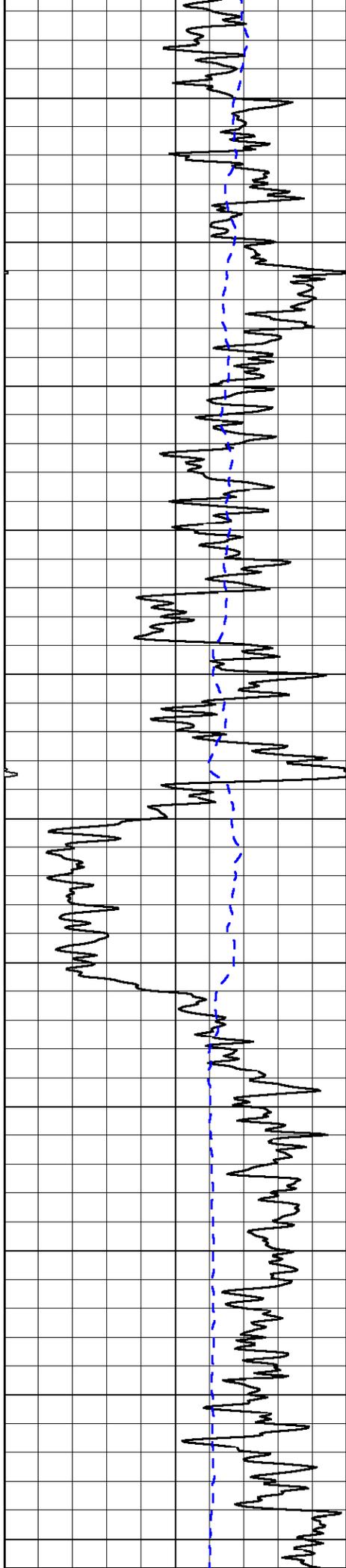
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 Presentation Format: dil2in
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 Charted by: Depth in Feet scaled 1:600

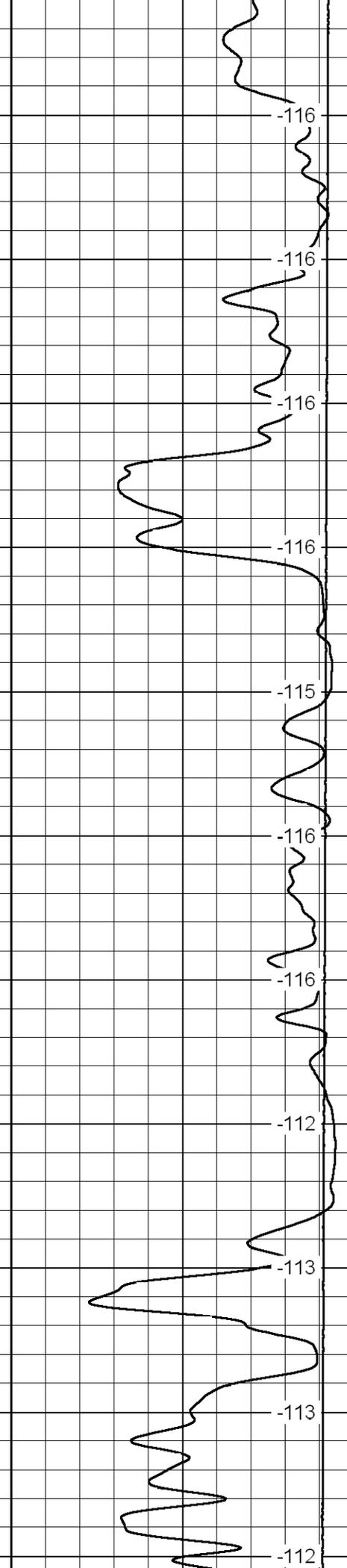
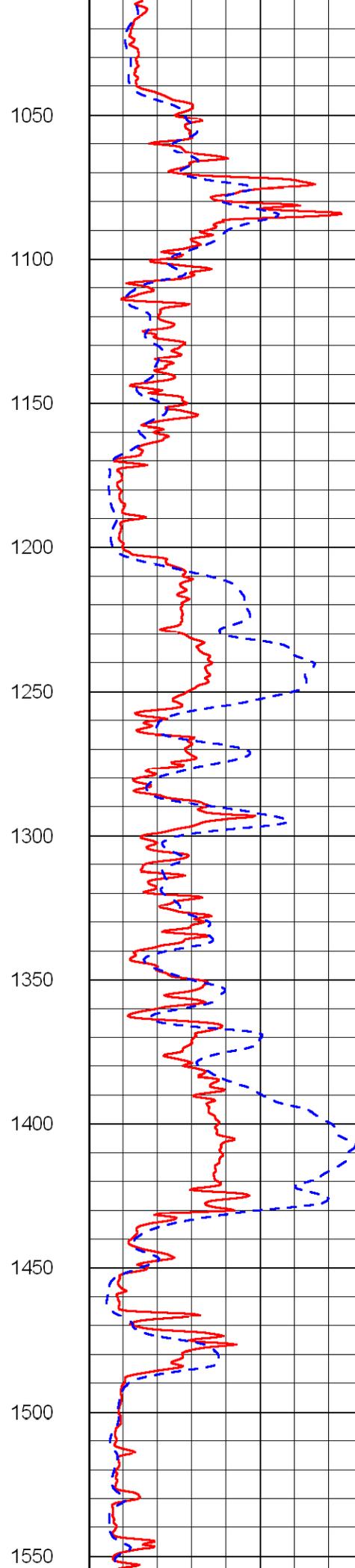
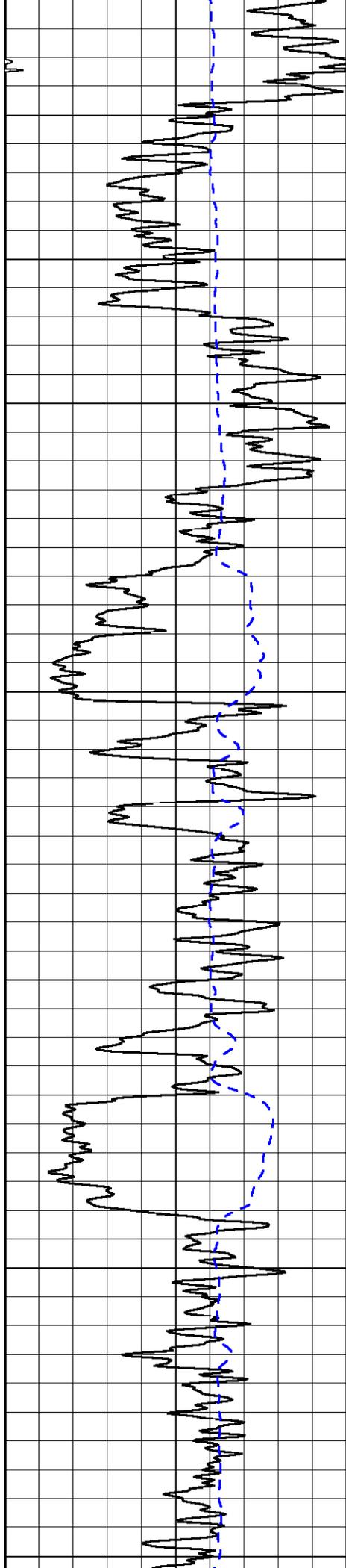
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-200 SP 0

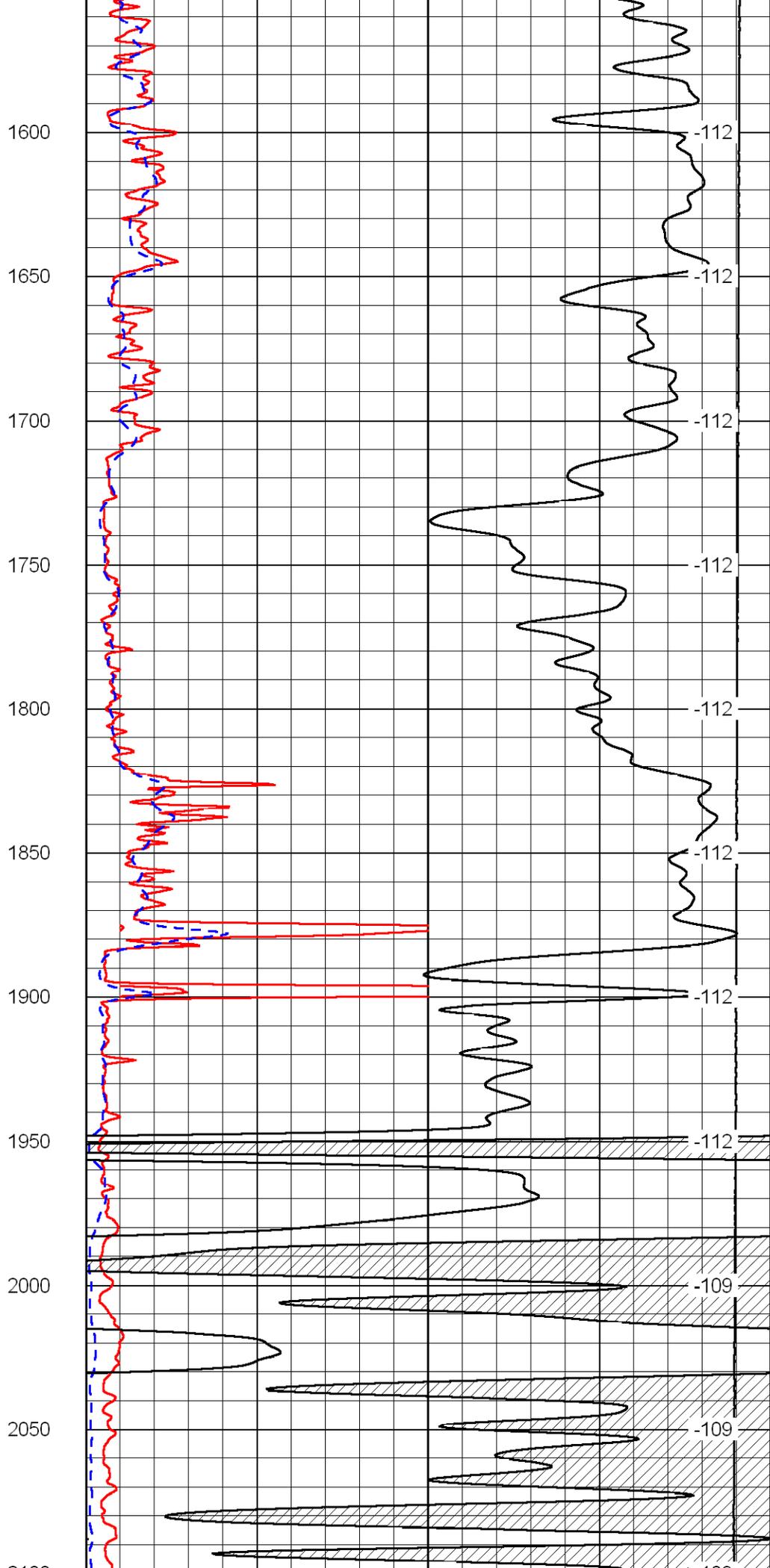
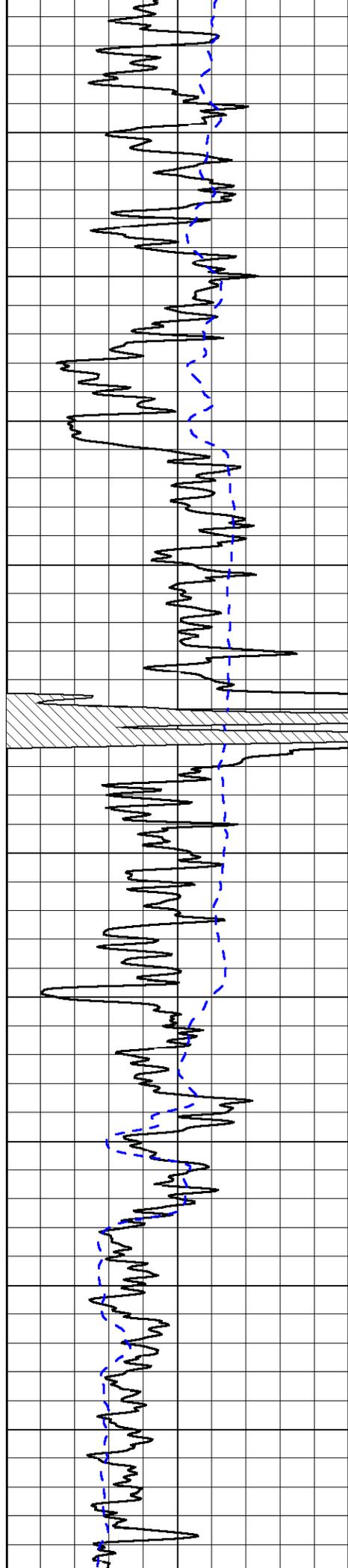
0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
50 Shallow Resistivity 500
50 Deep Resistivity 500

LSPD









1600

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1650

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1800

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1950

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2000

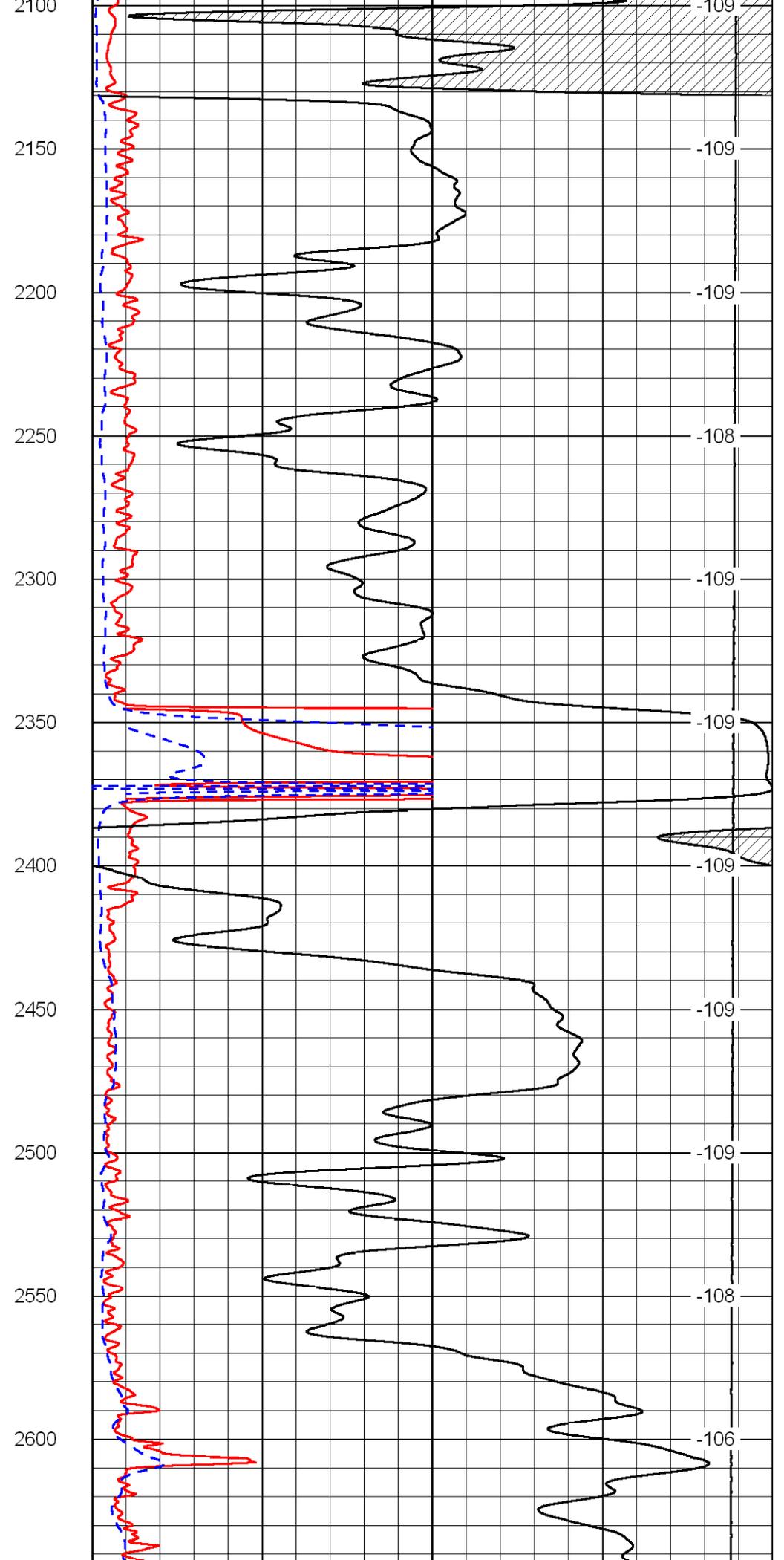
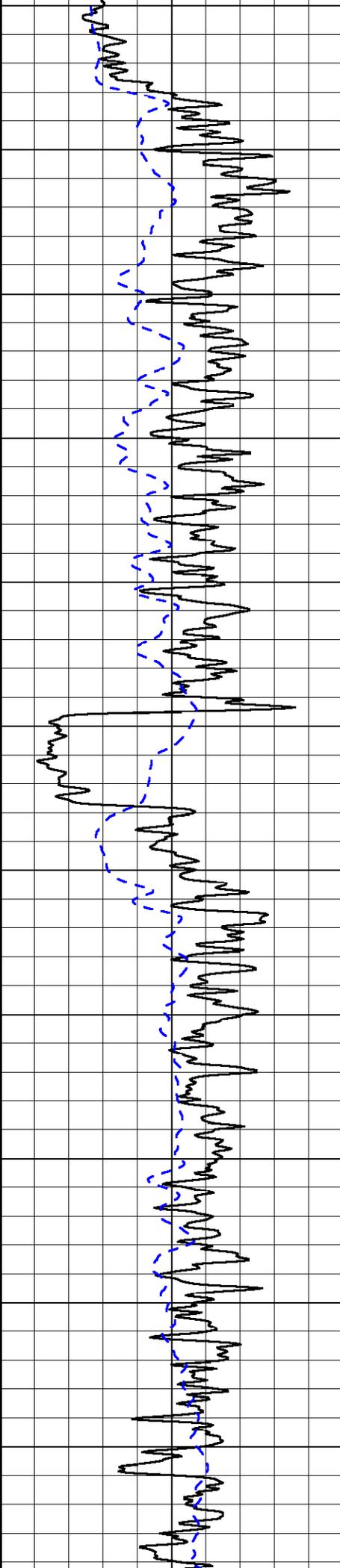
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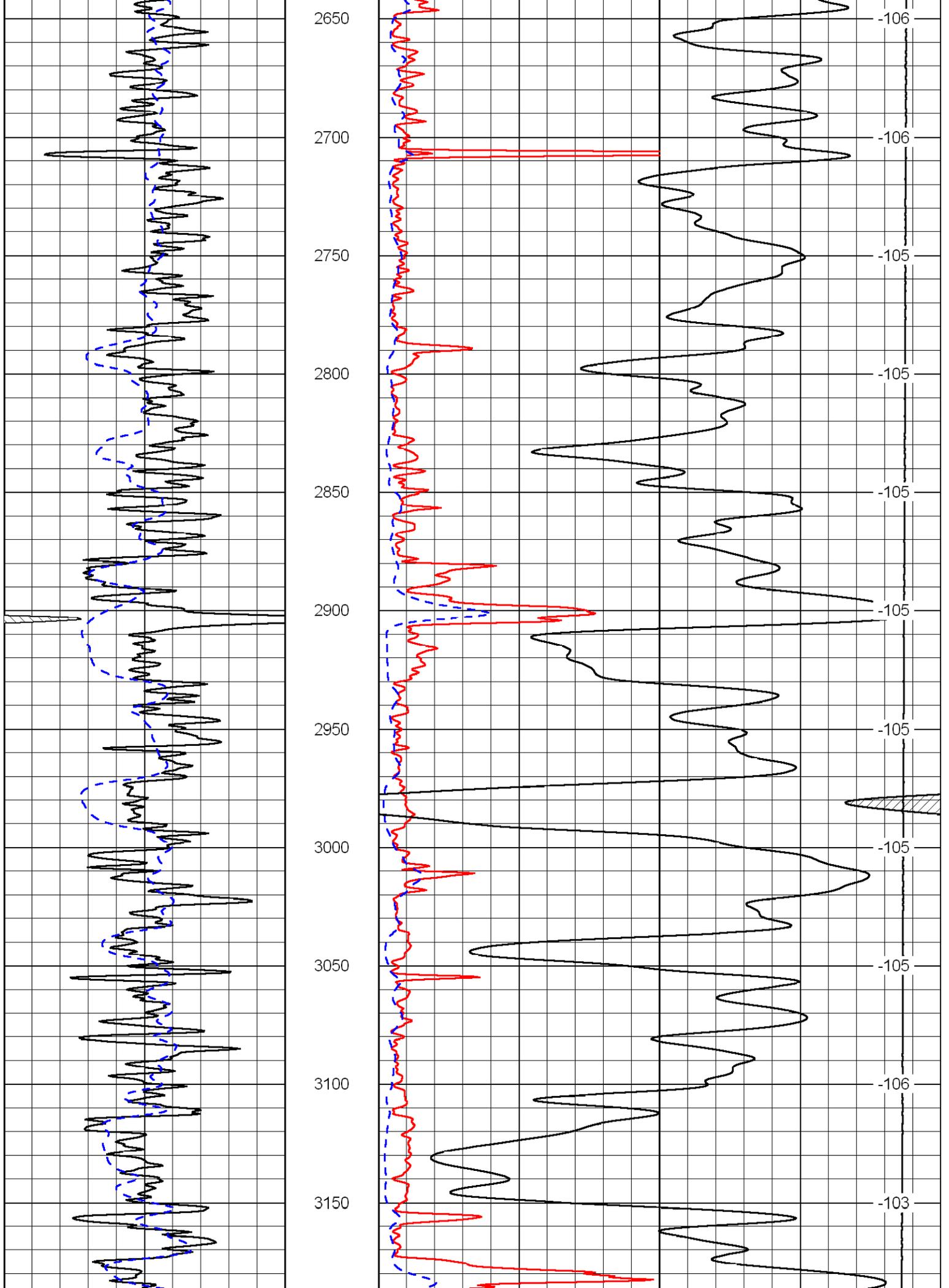
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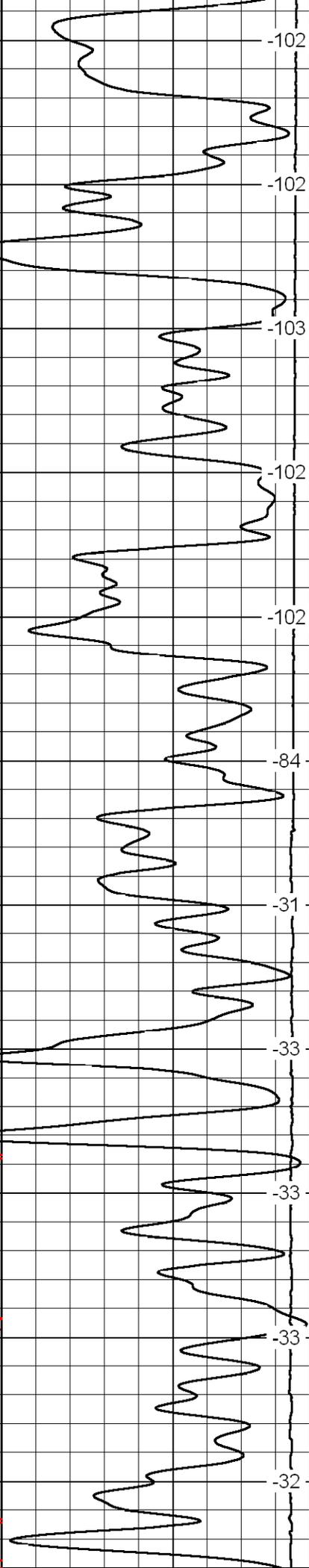
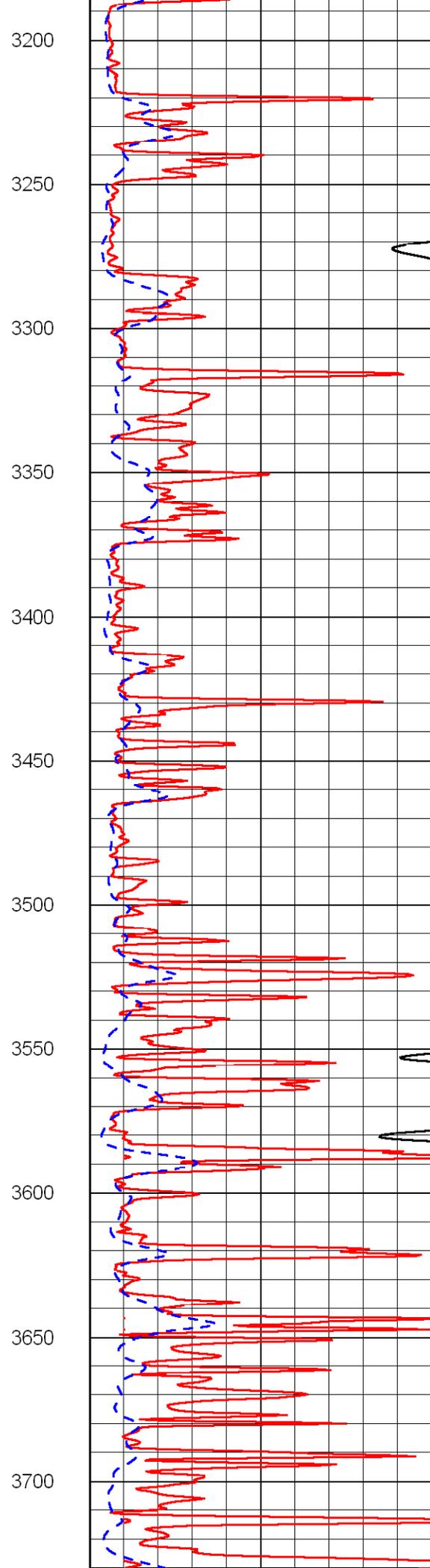
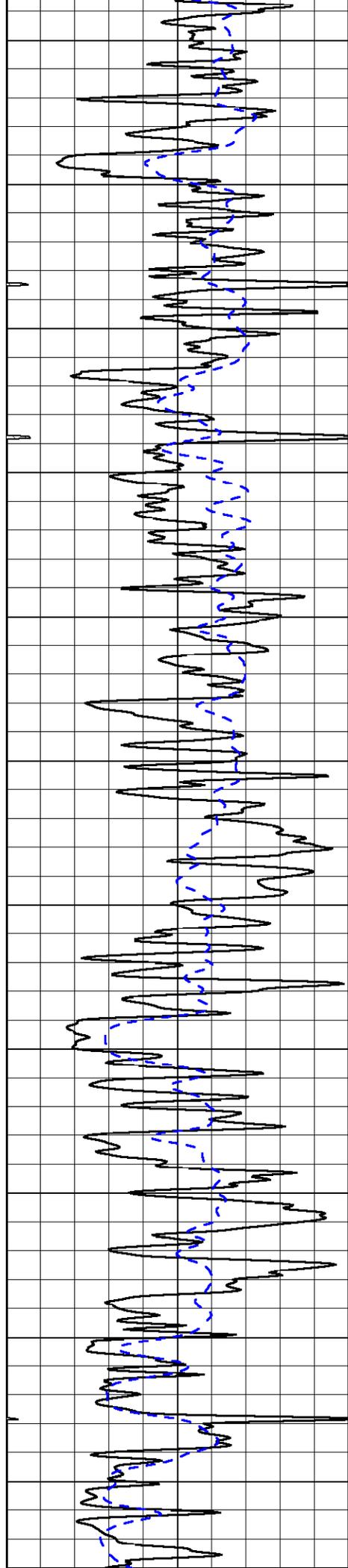
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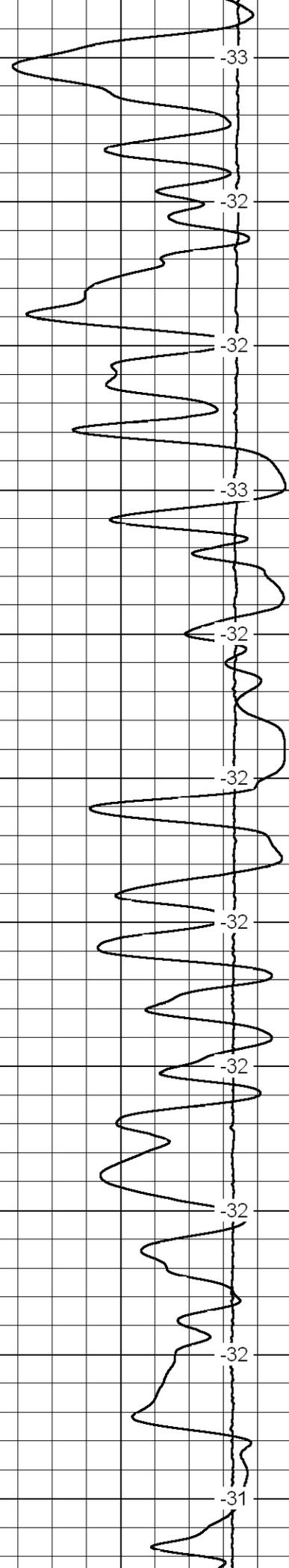
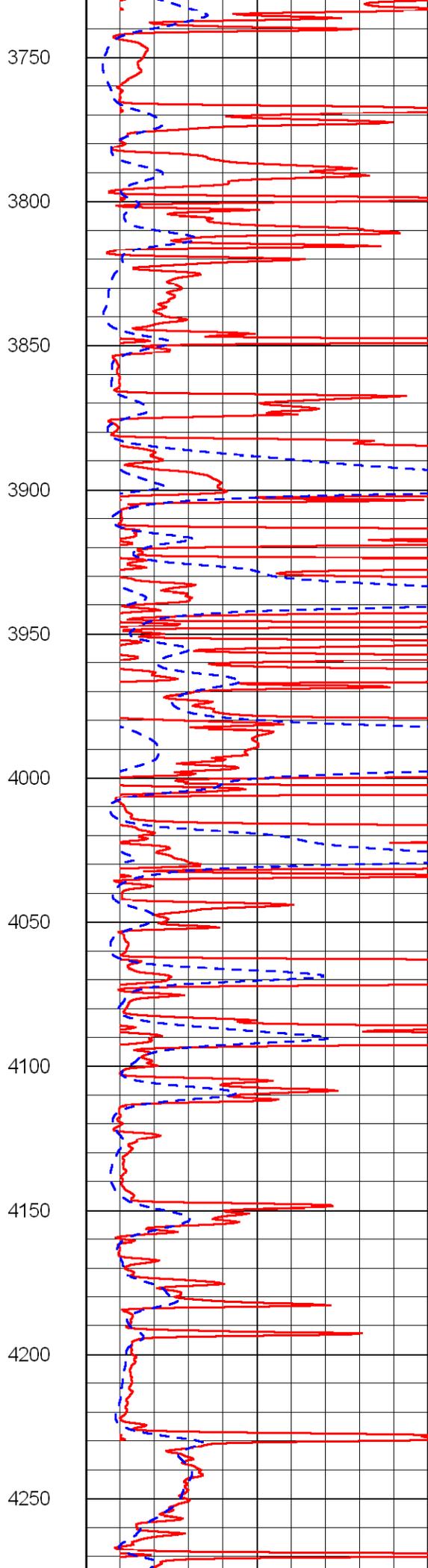
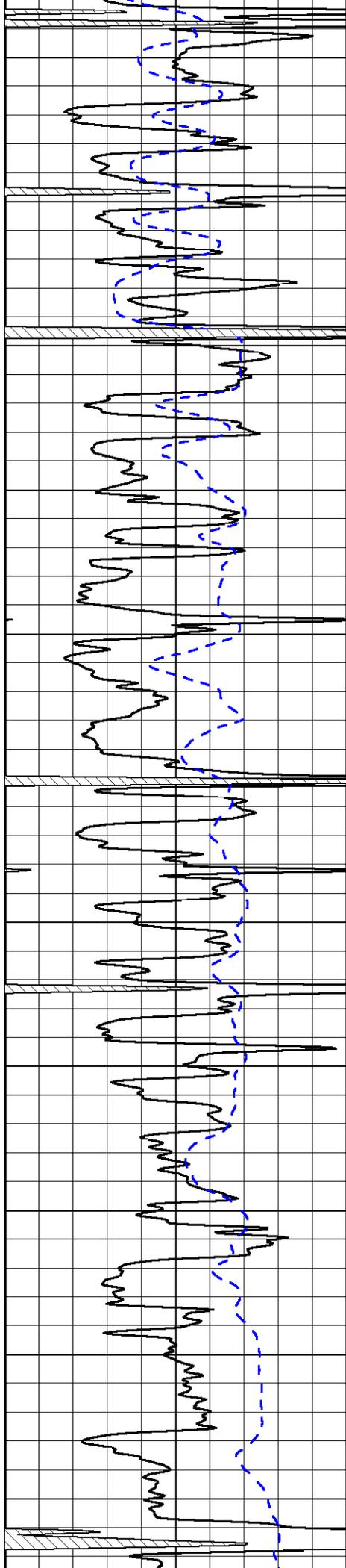
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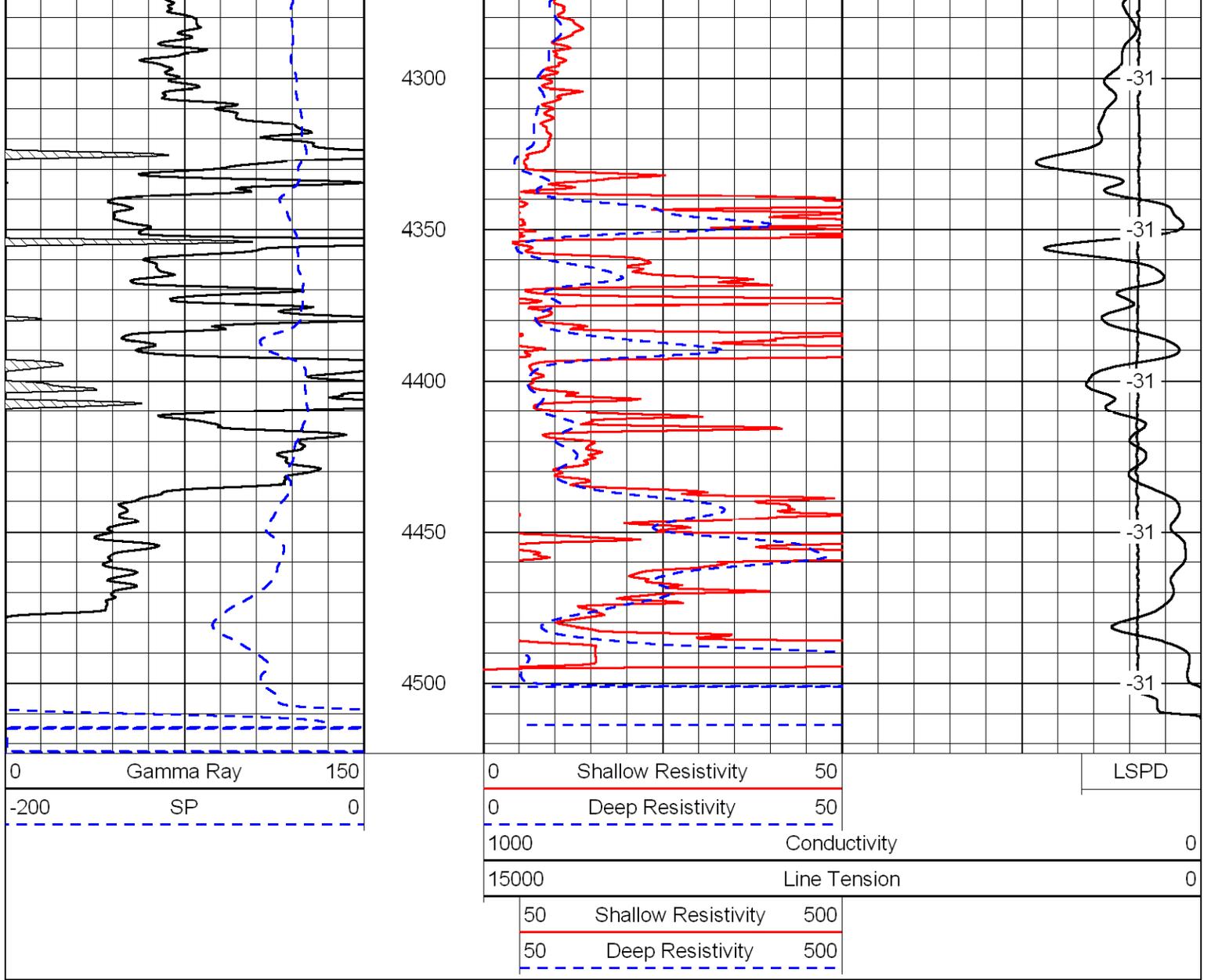
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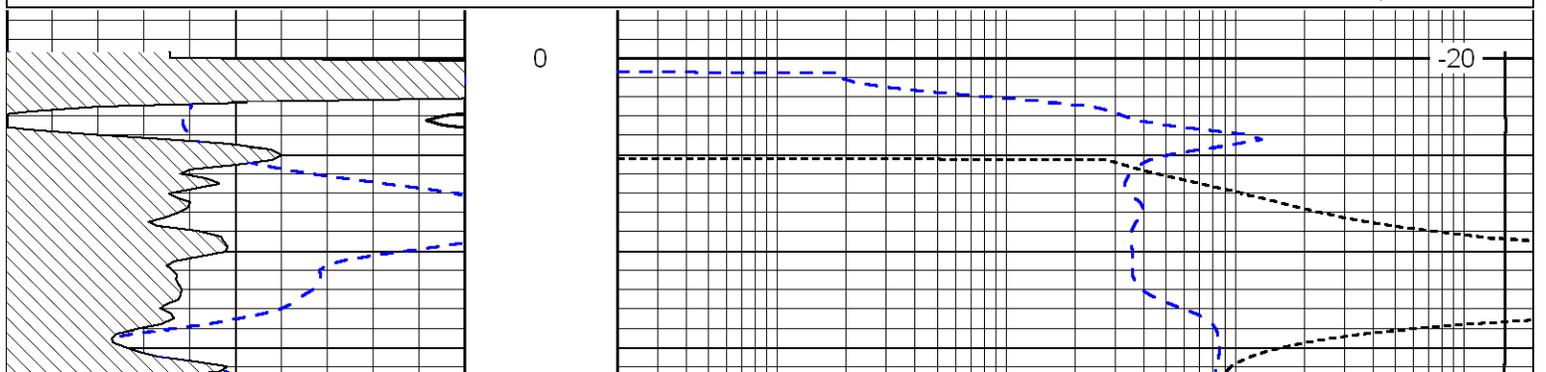
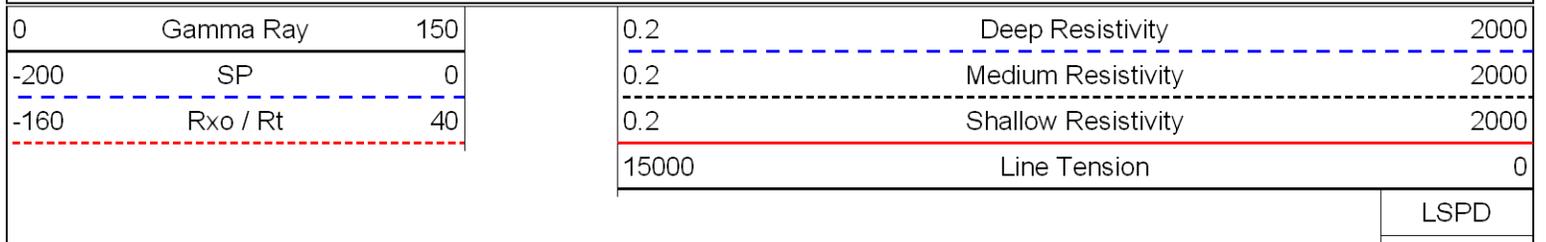


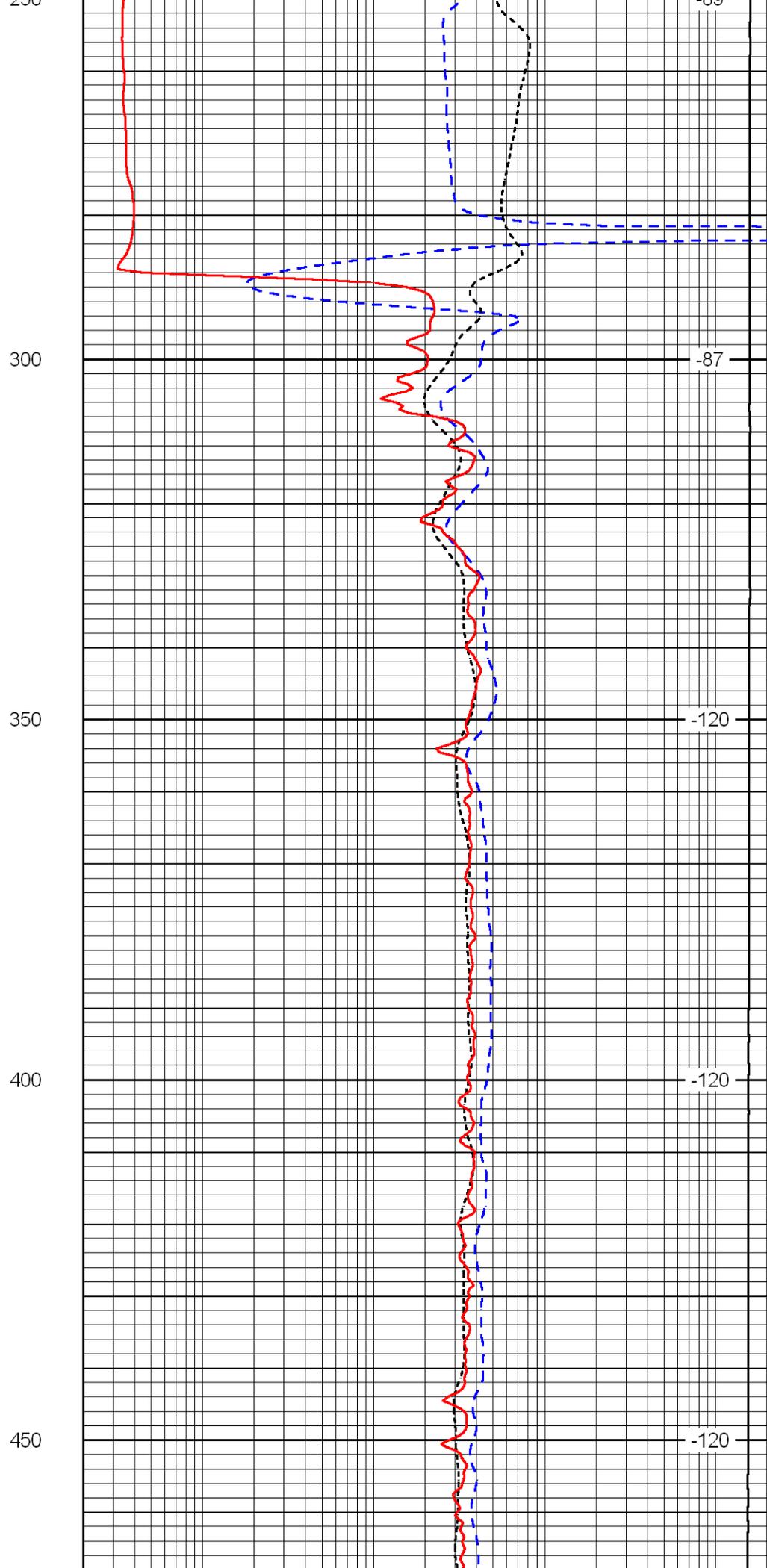
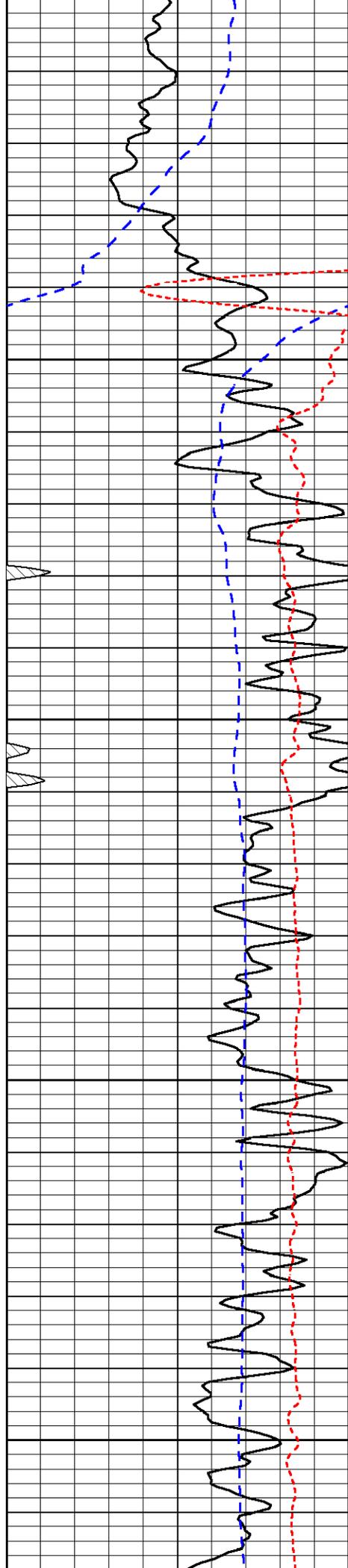


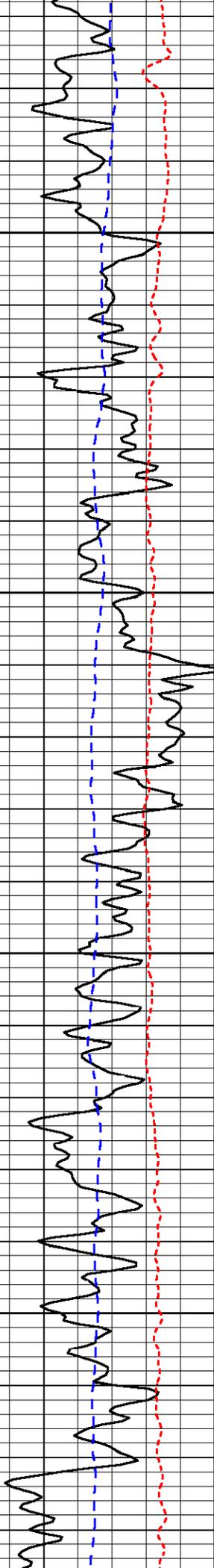




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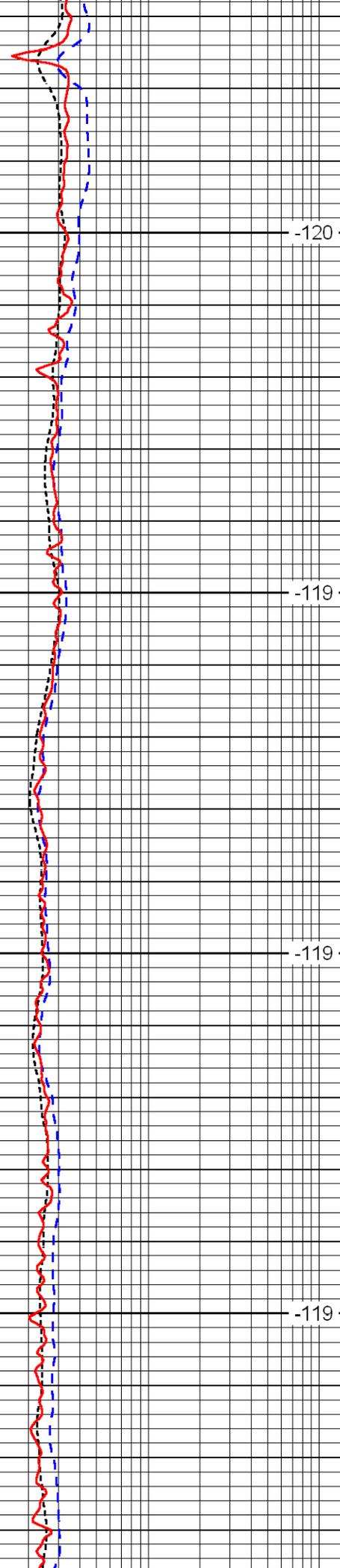


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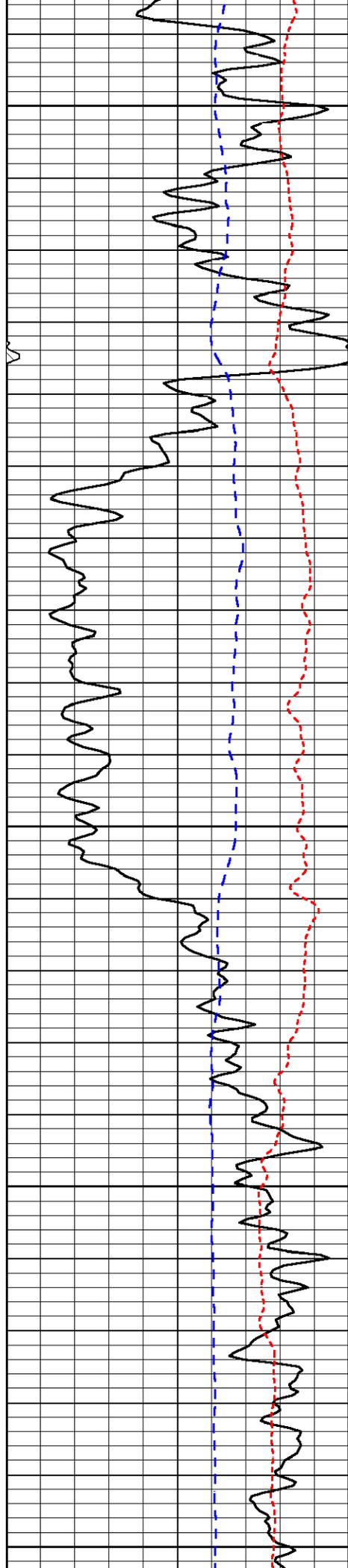


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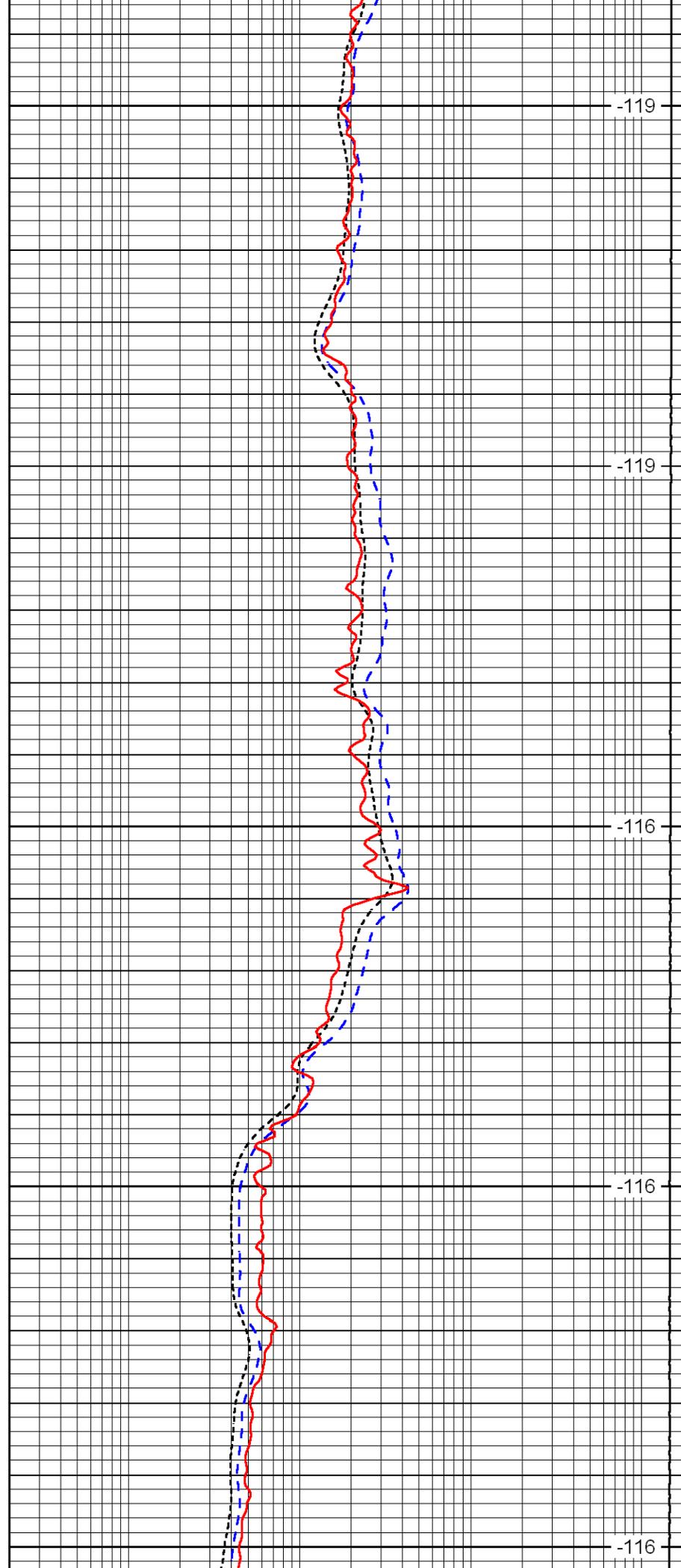
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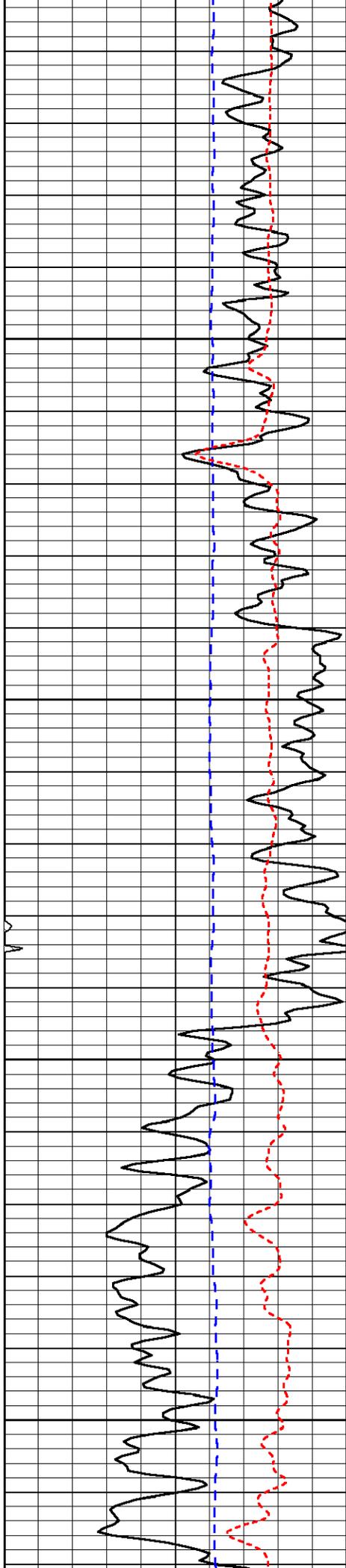
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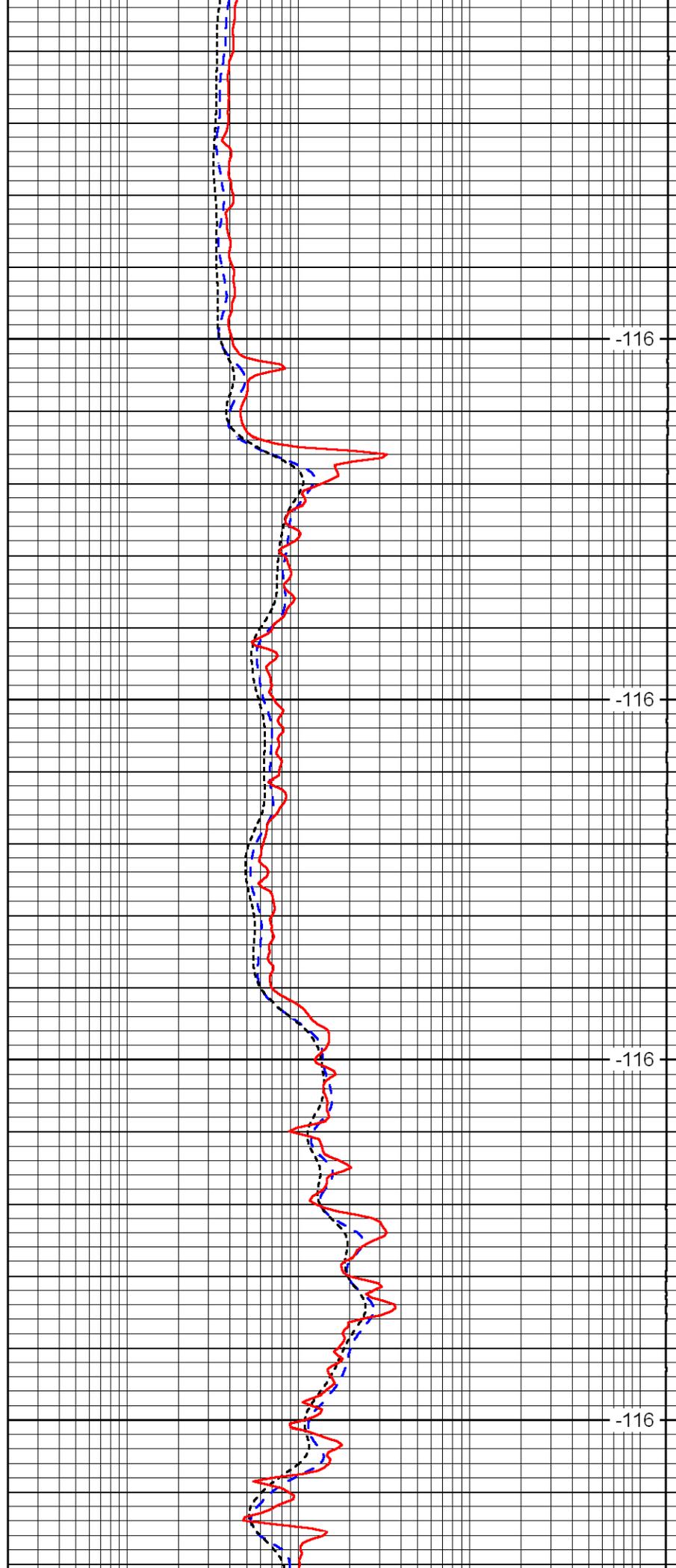


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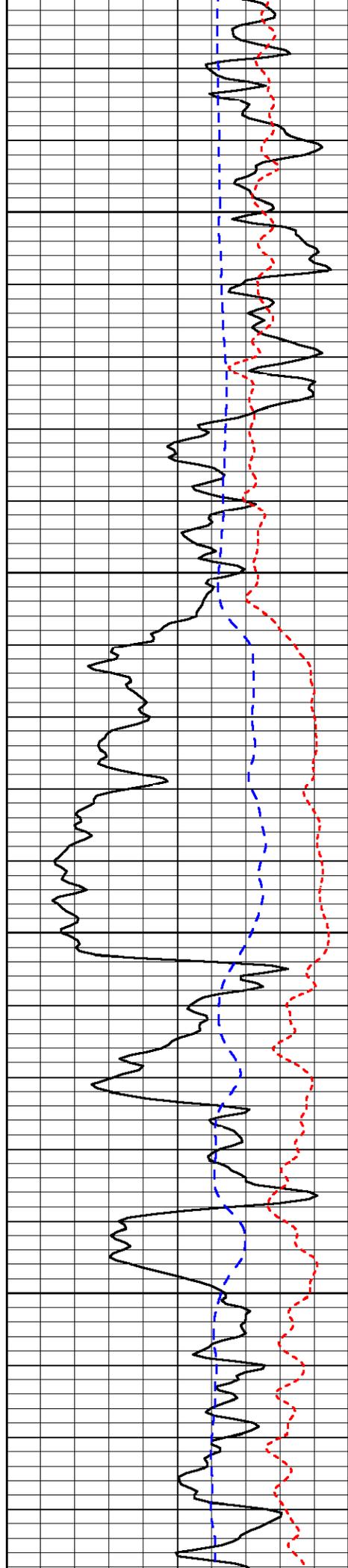


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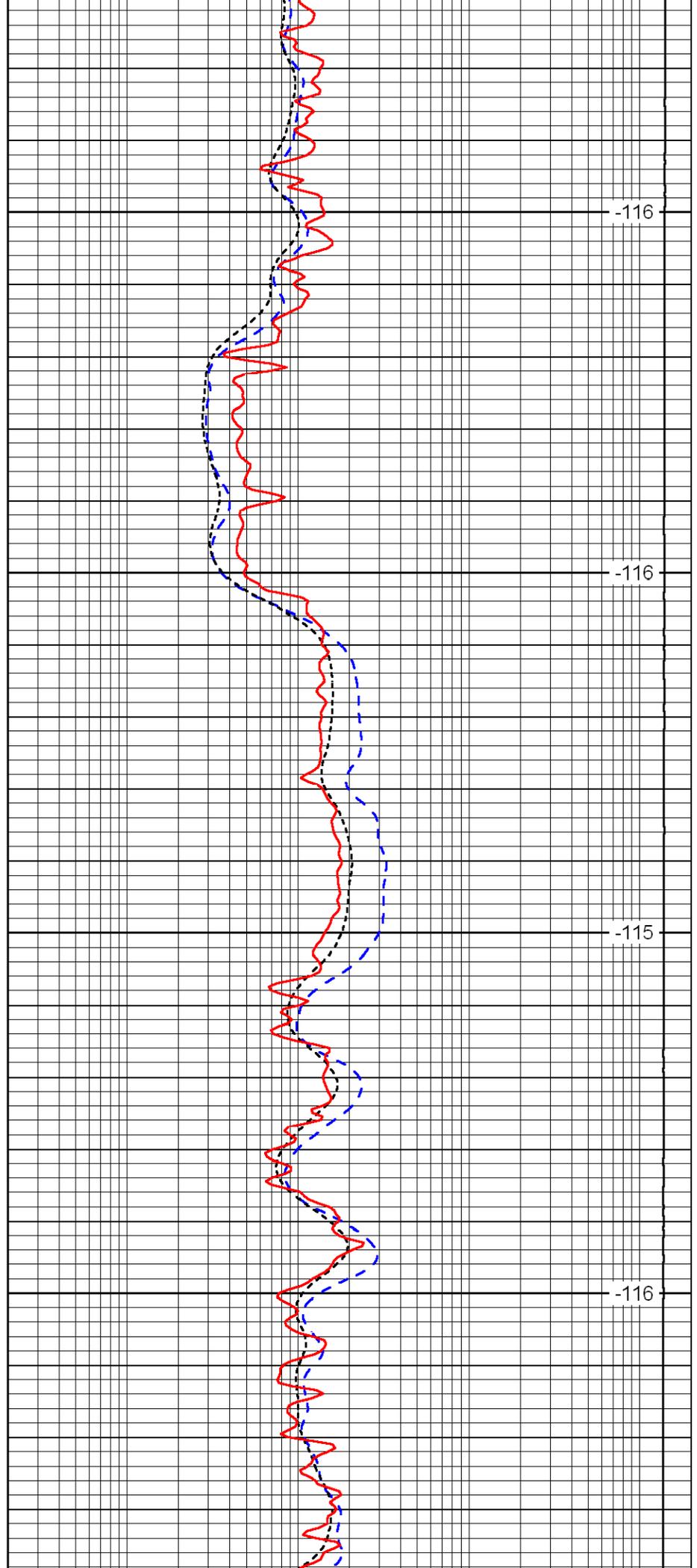


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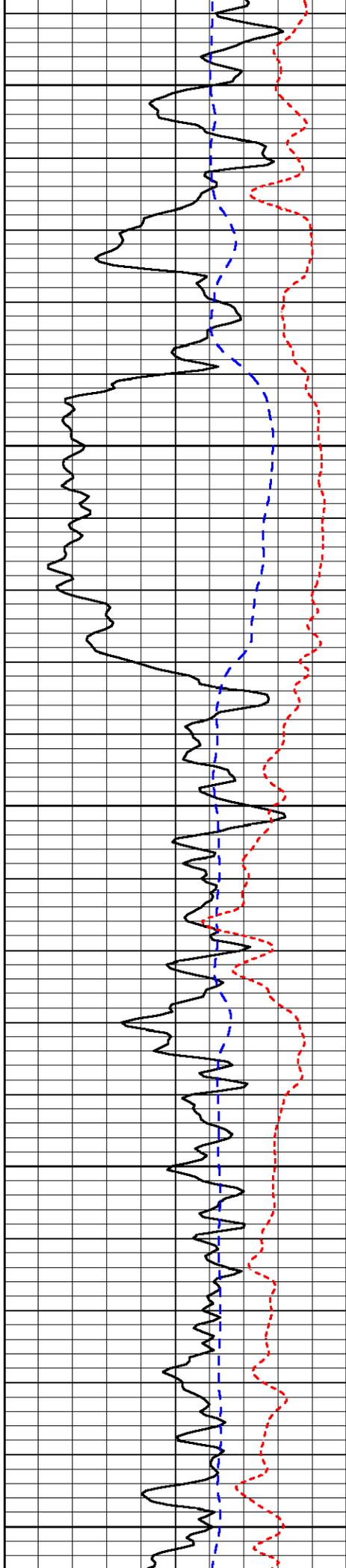


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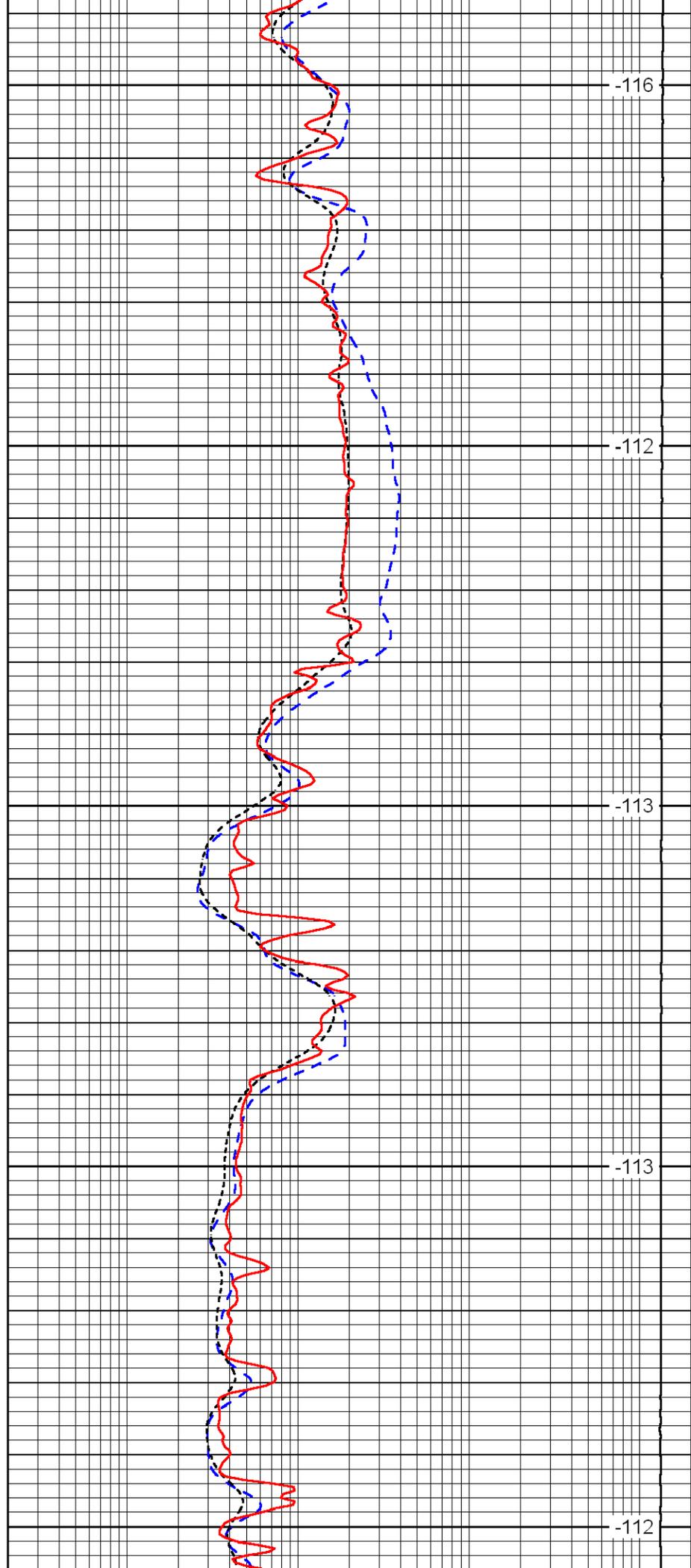
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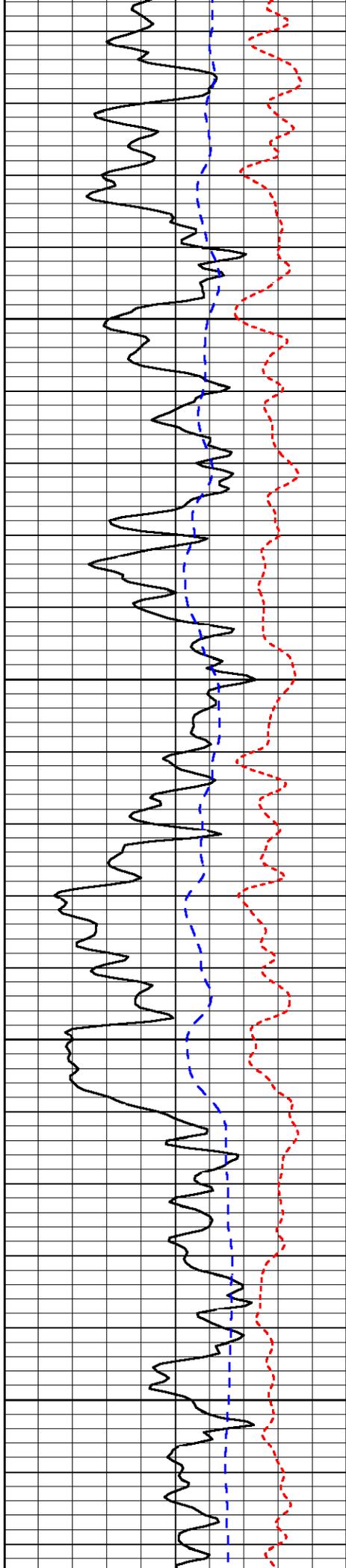
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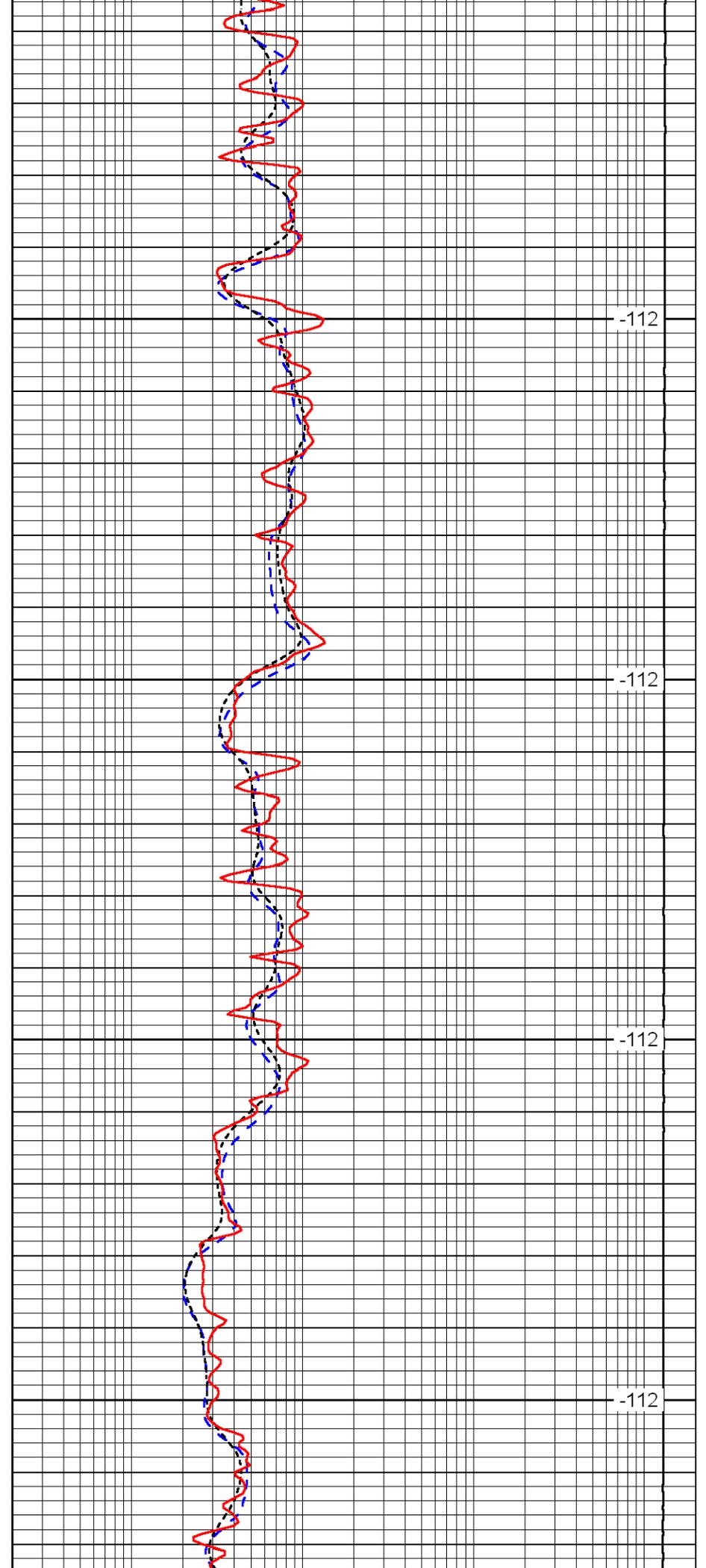


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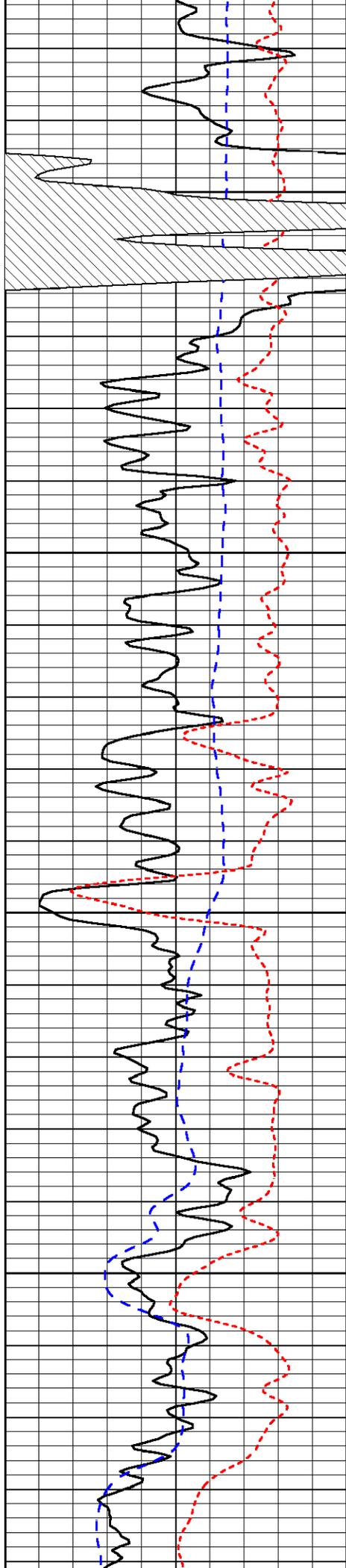


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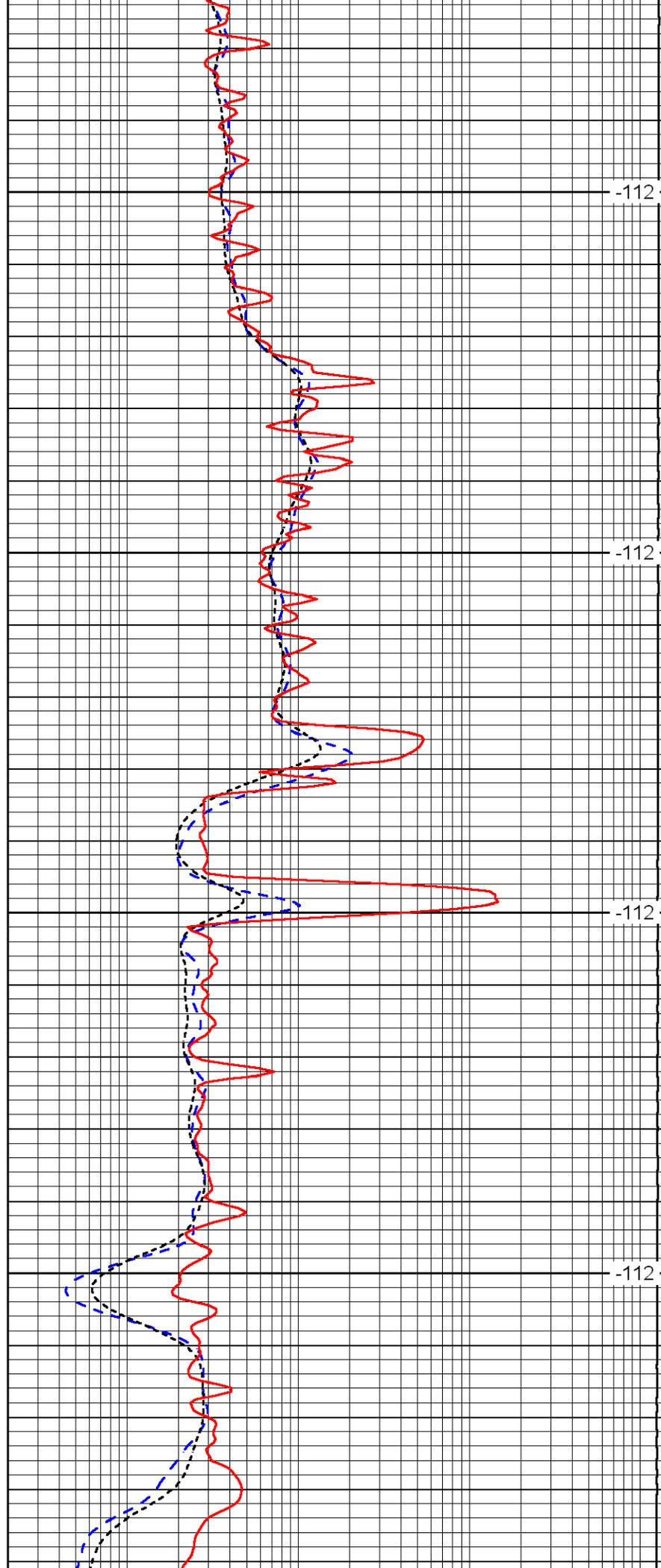


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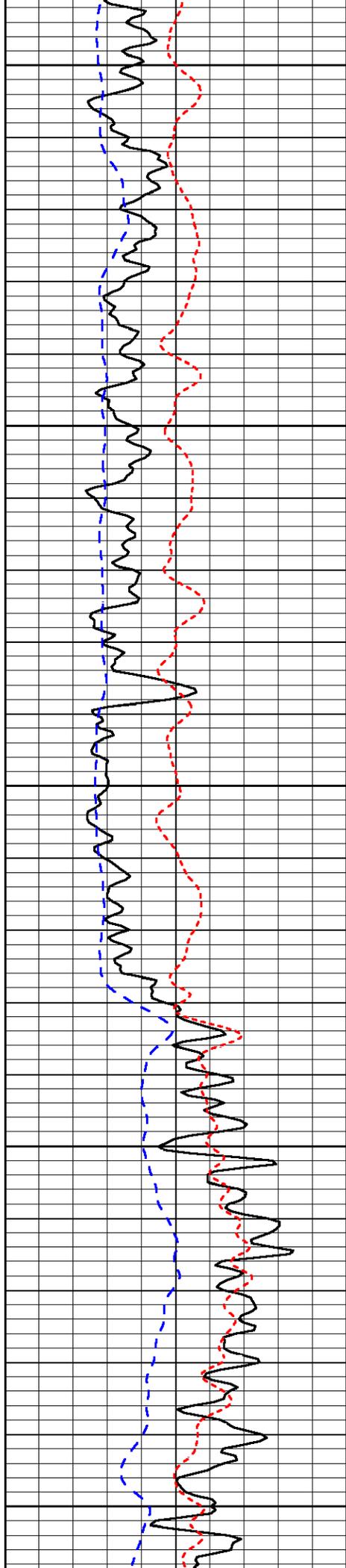


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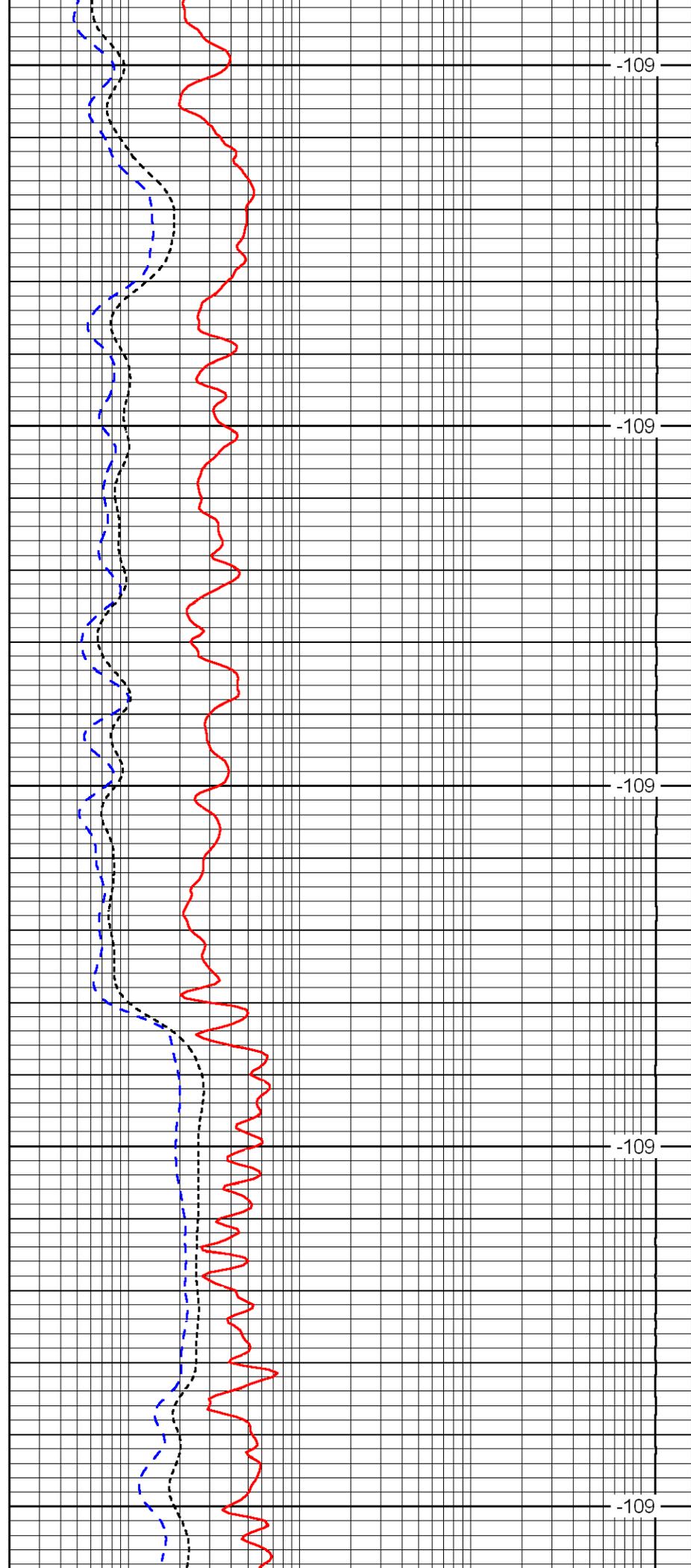
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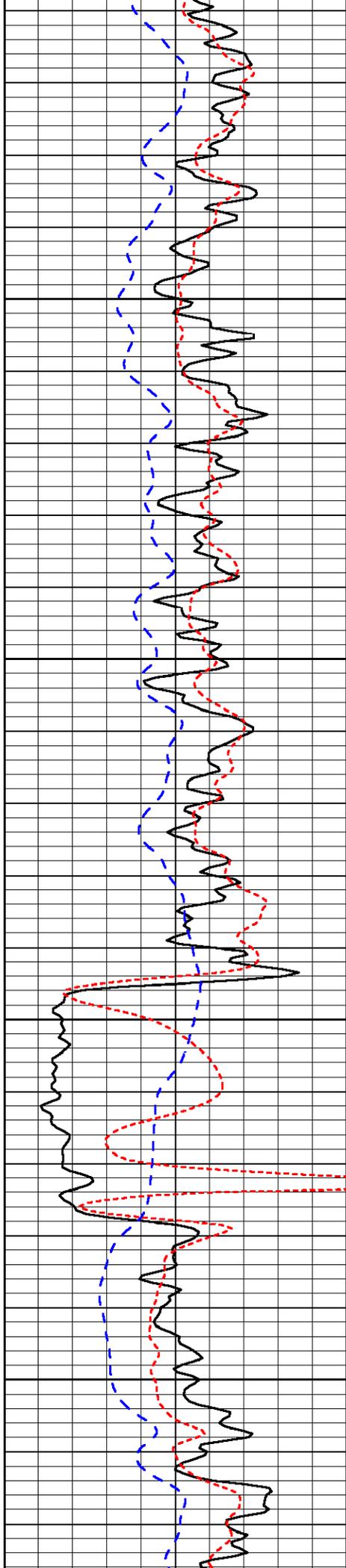
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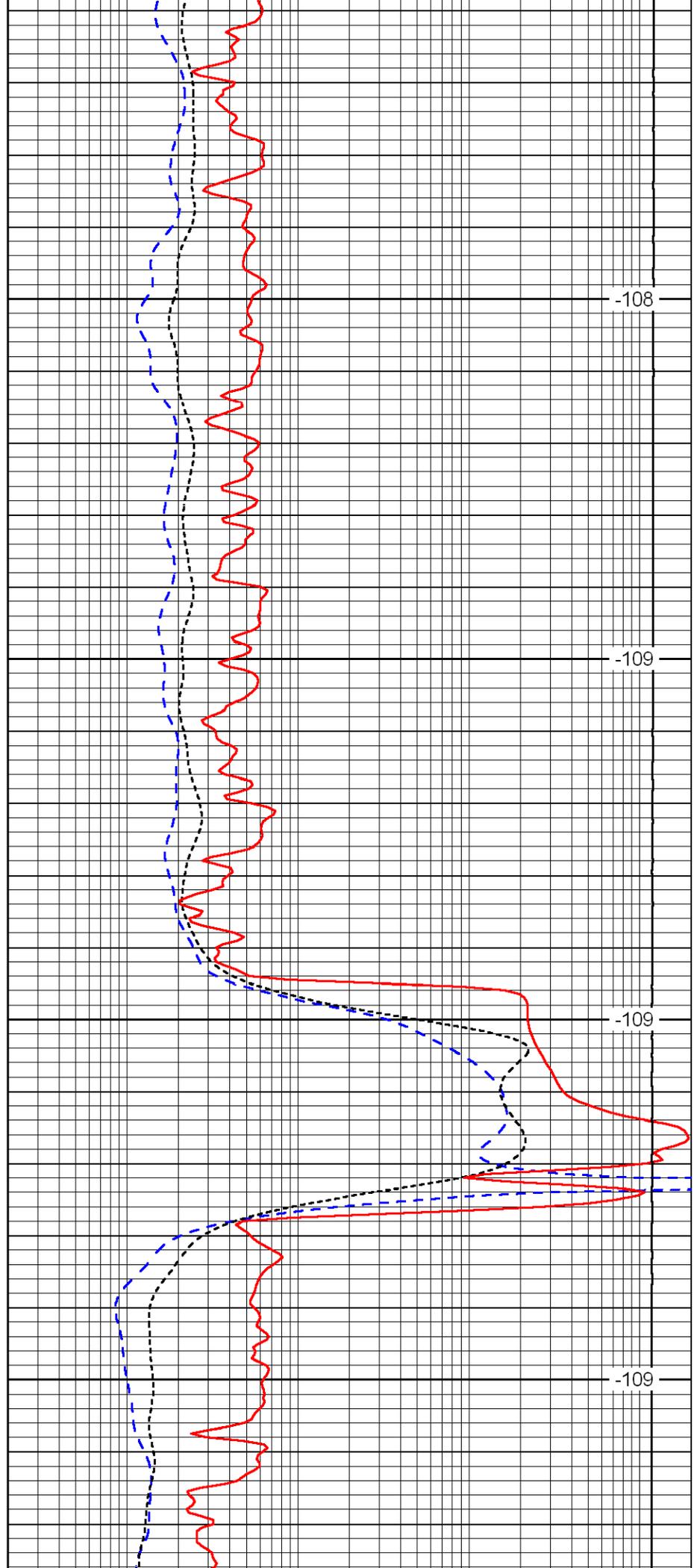


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2300

2350

2400

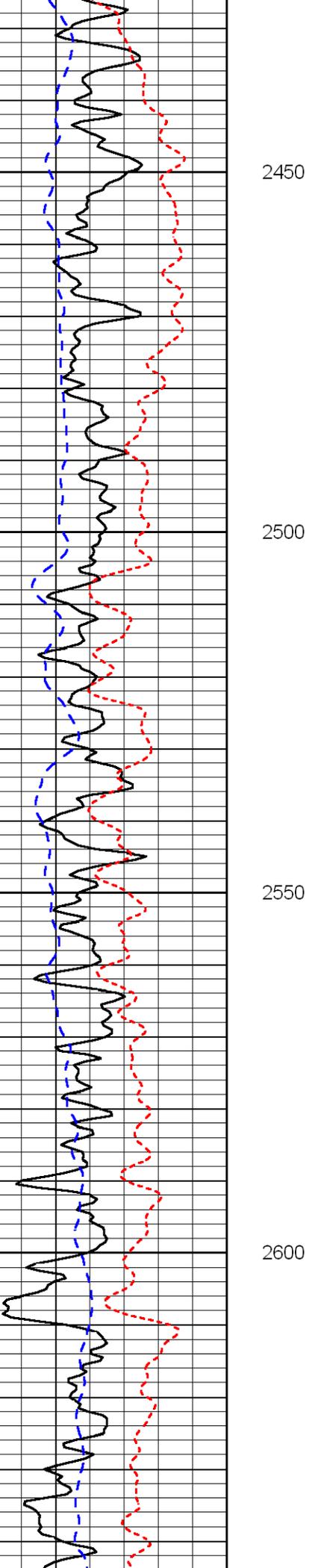


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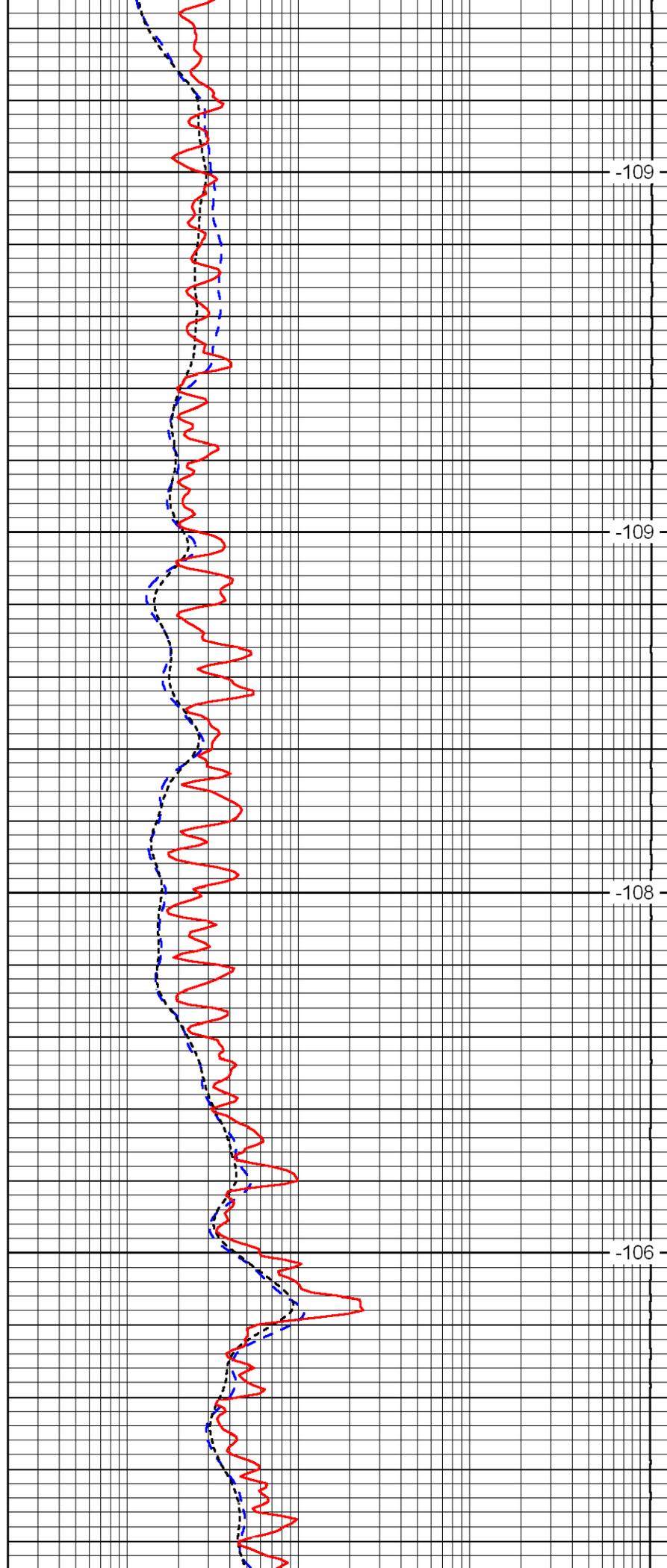


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2600

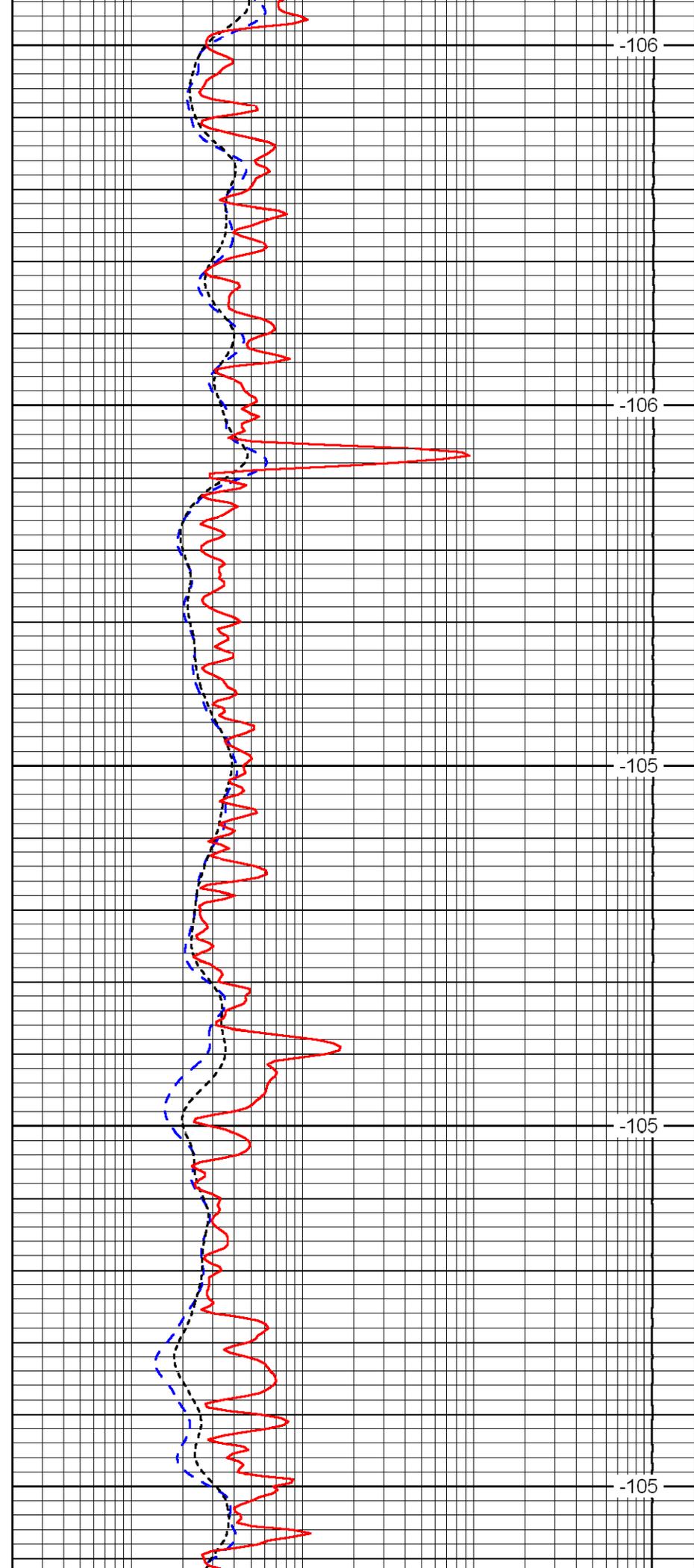
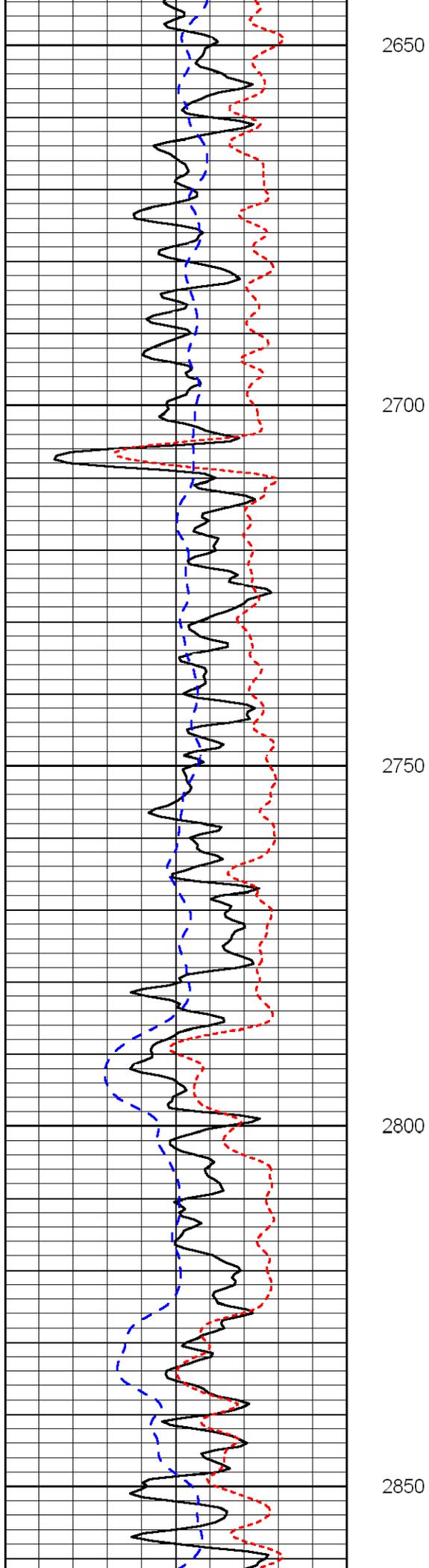


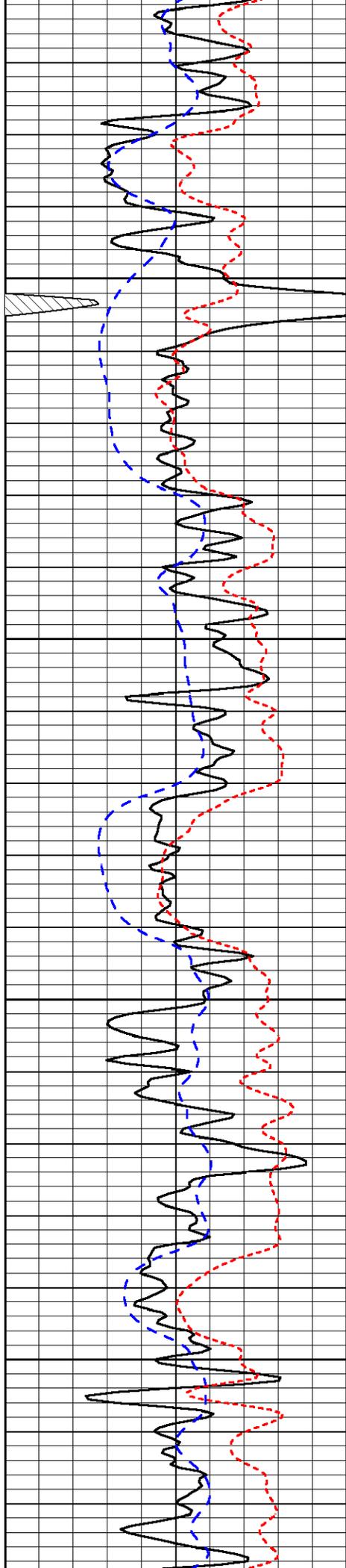
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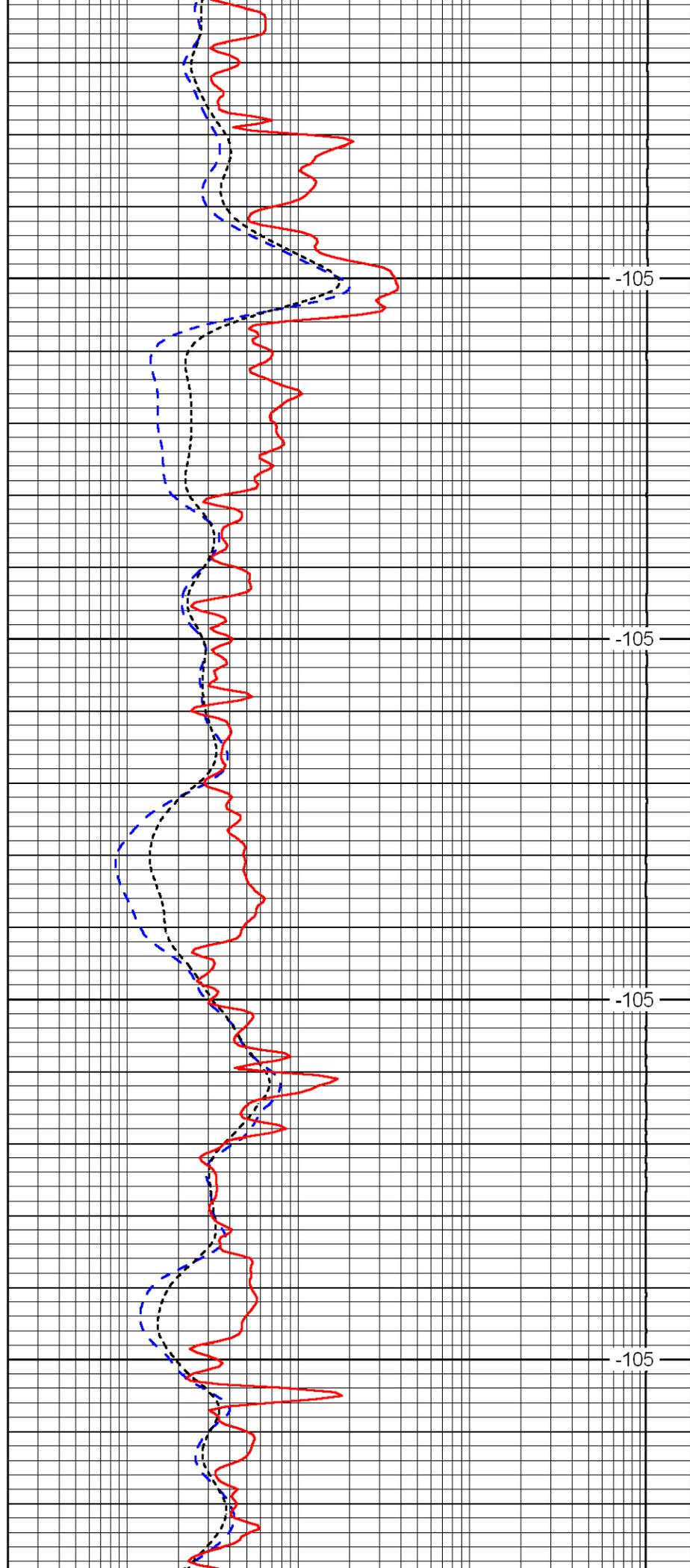


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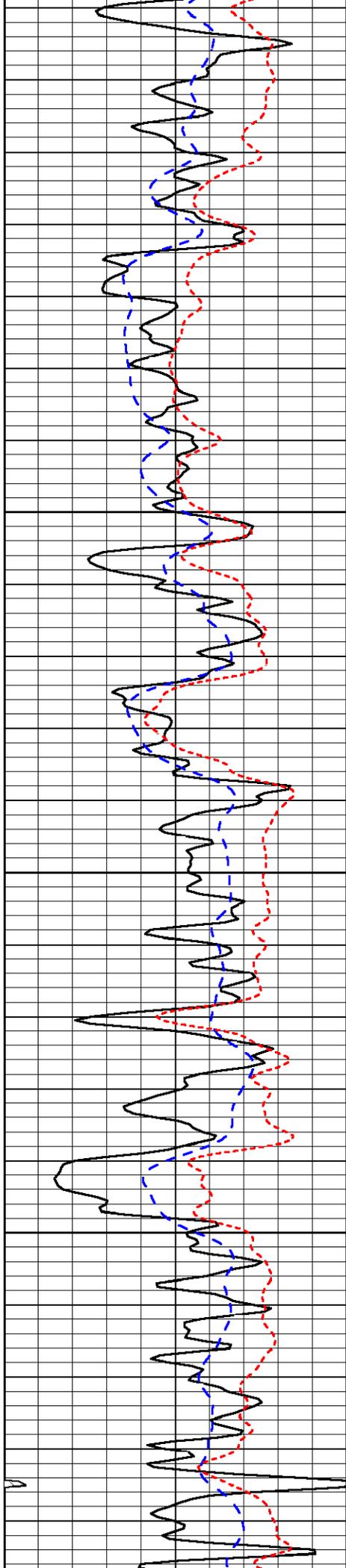


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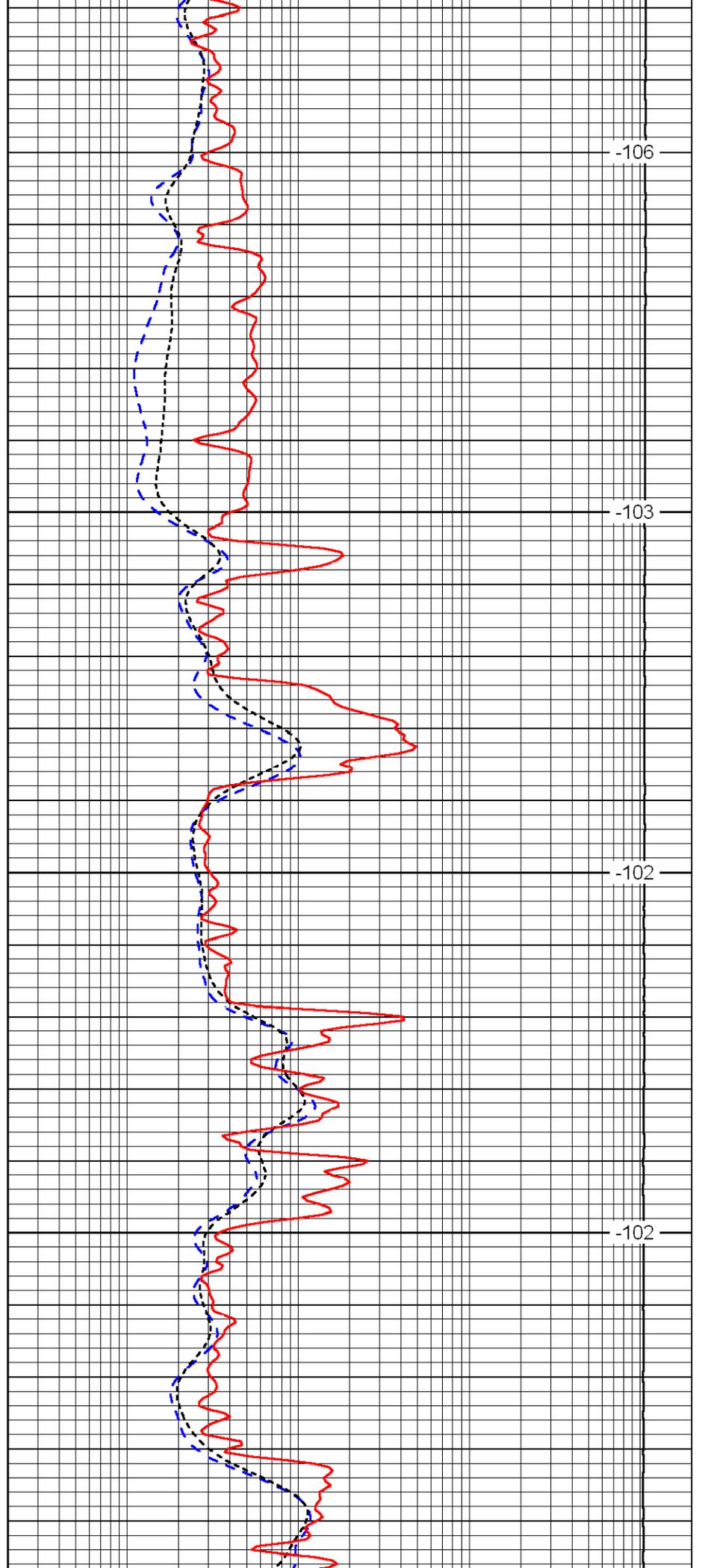


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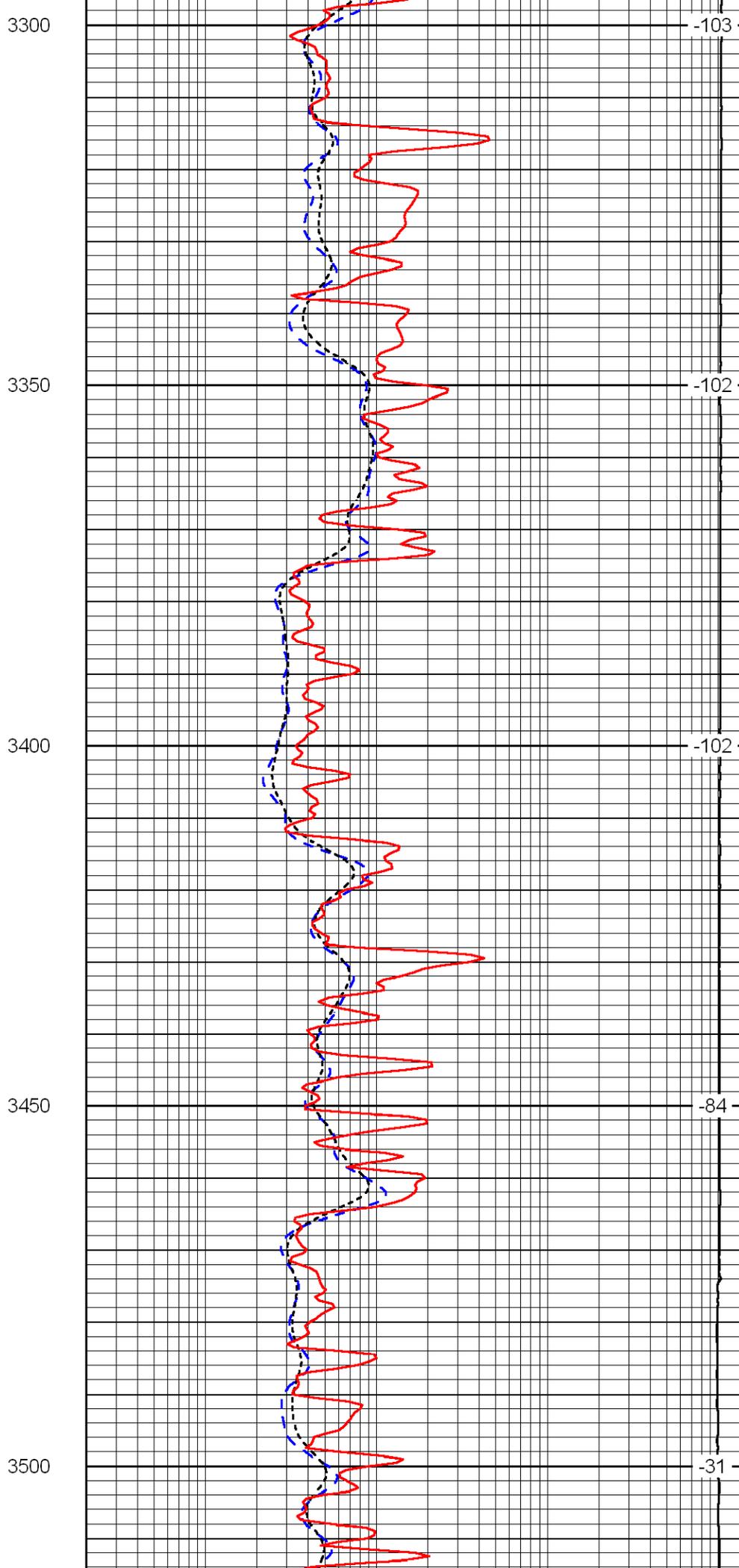
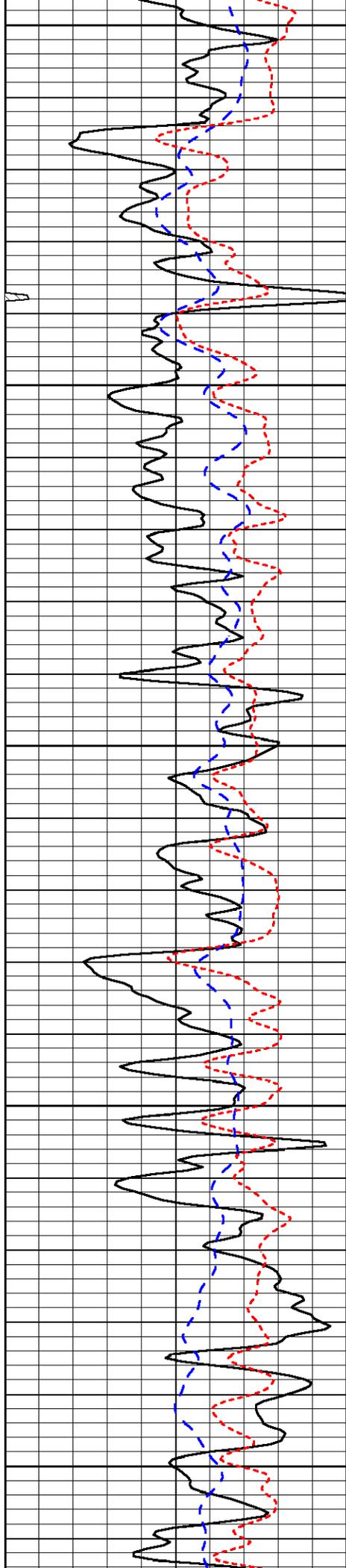


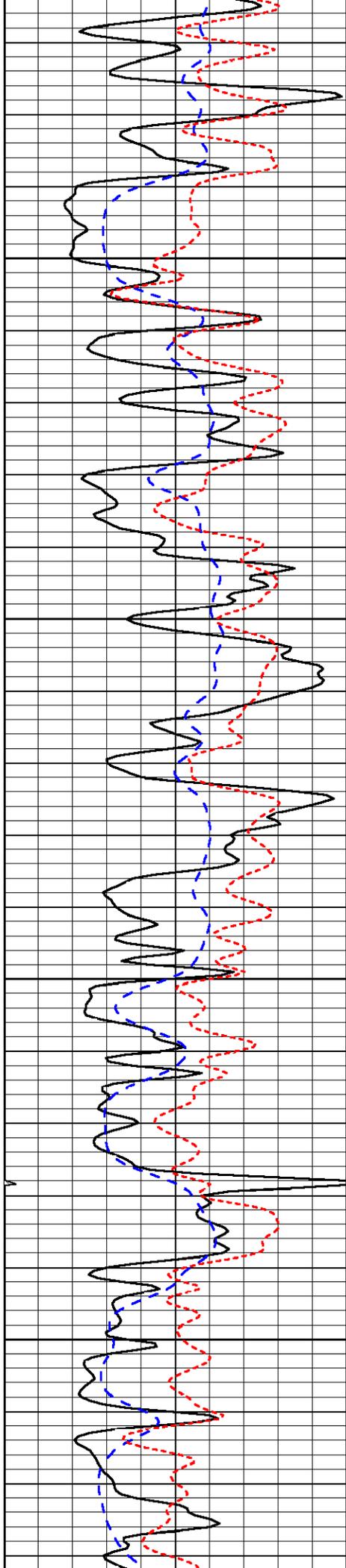
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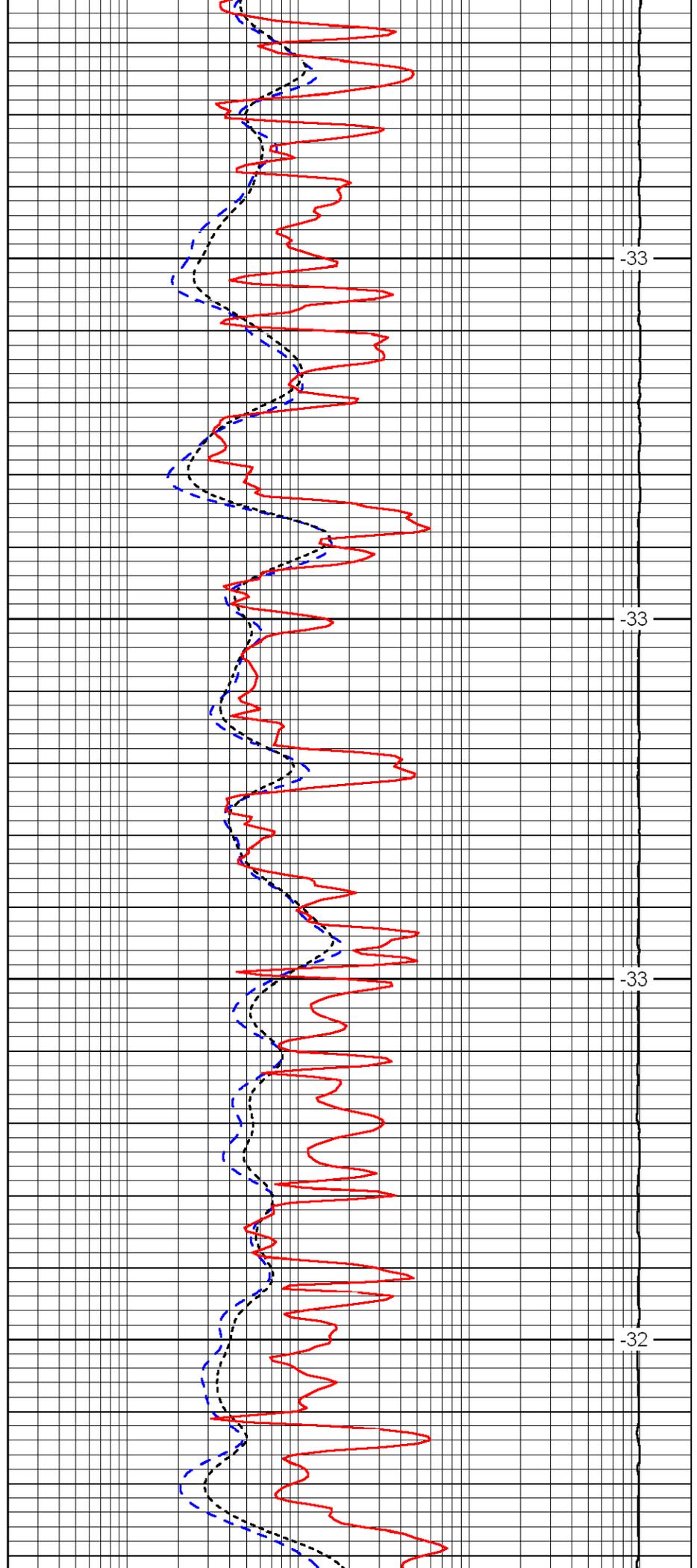


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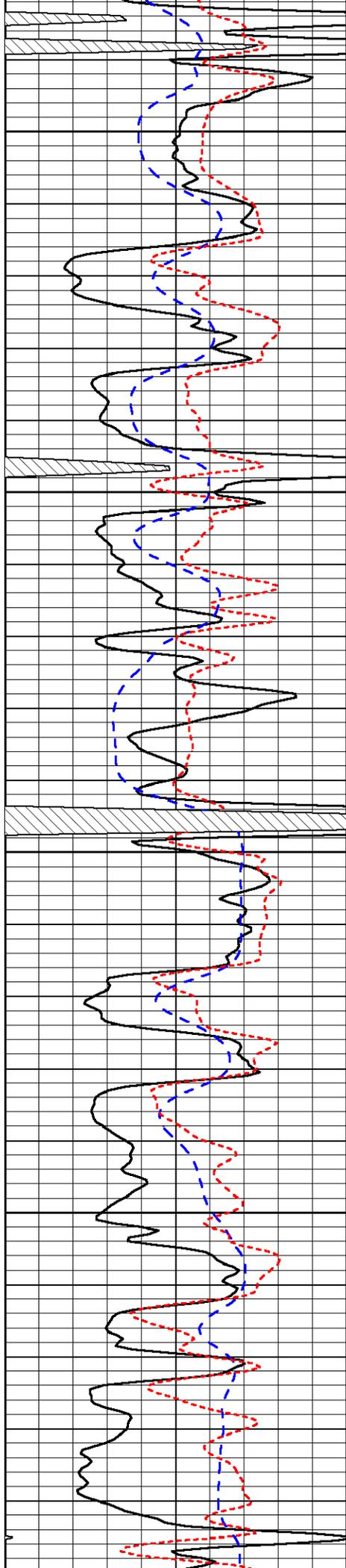


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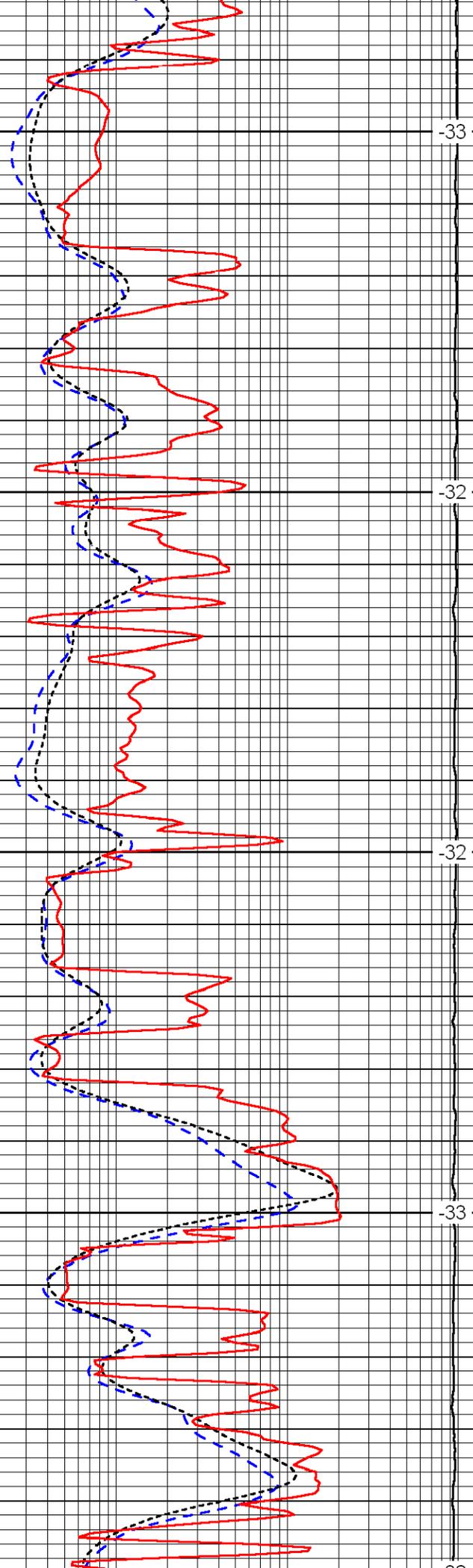
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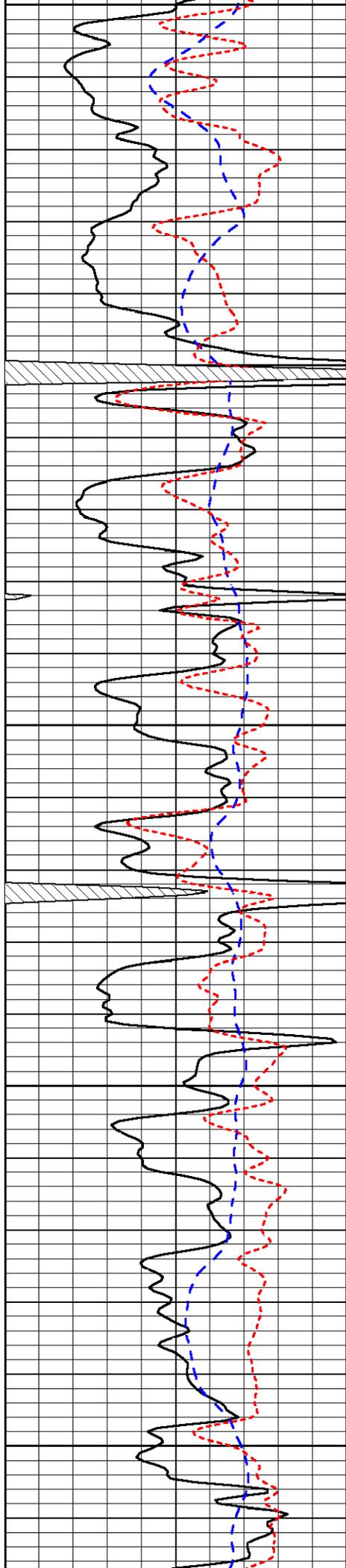
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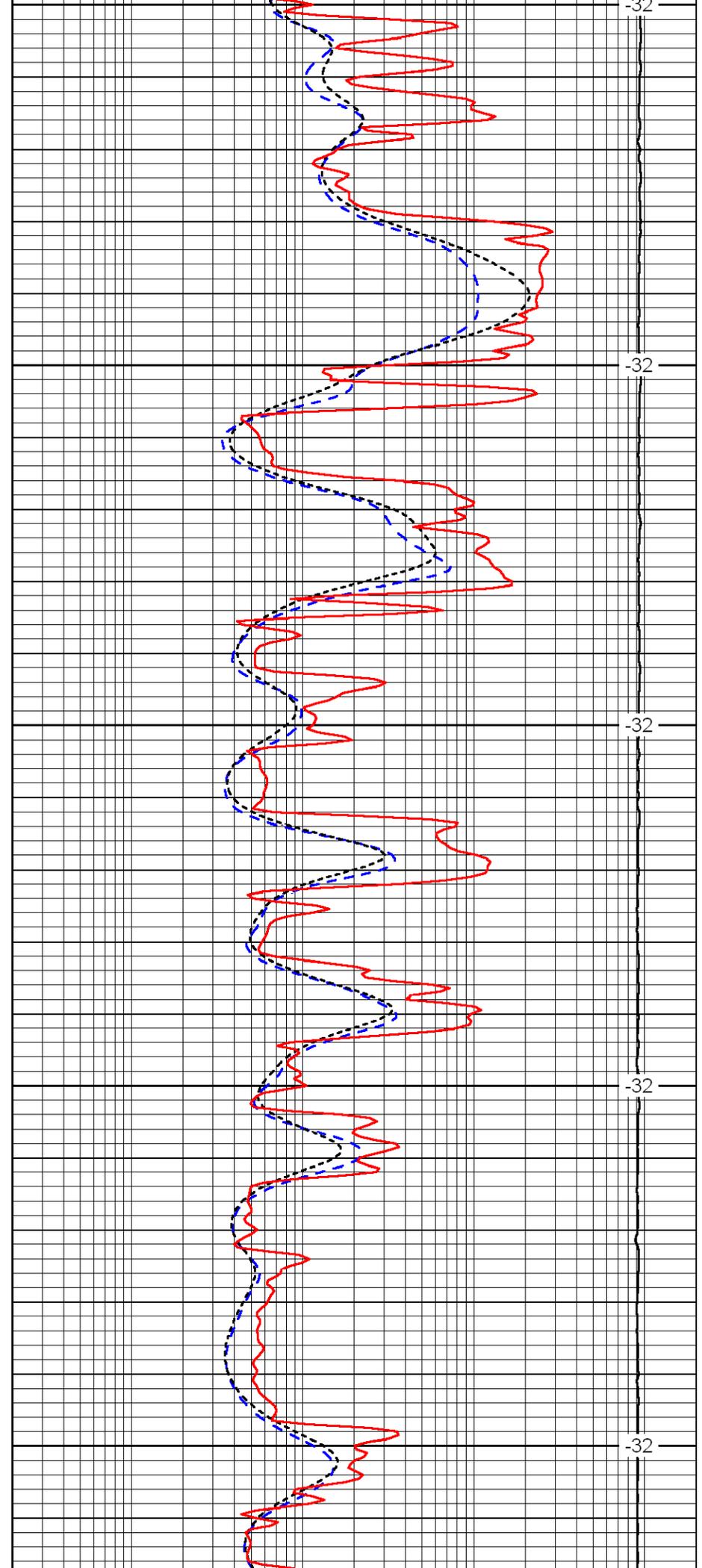
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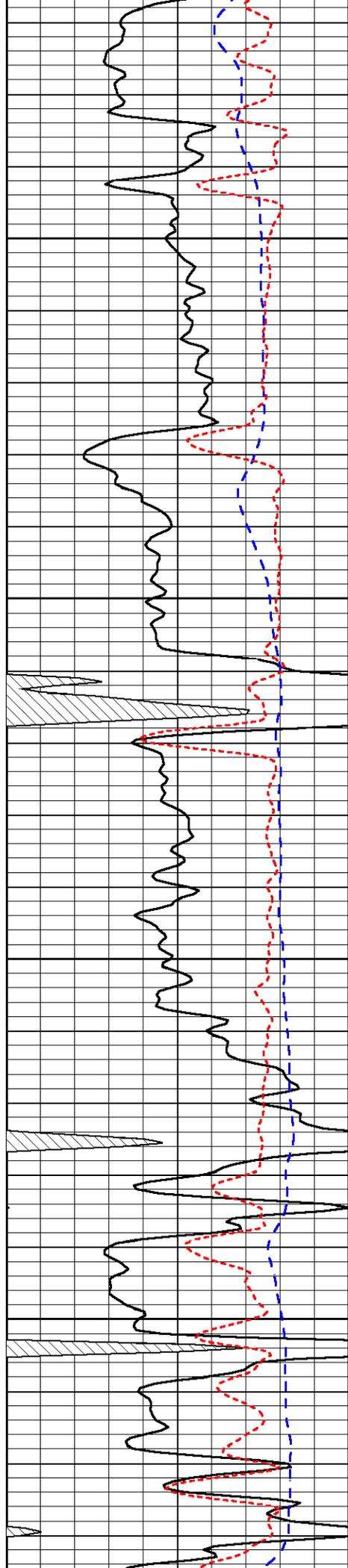
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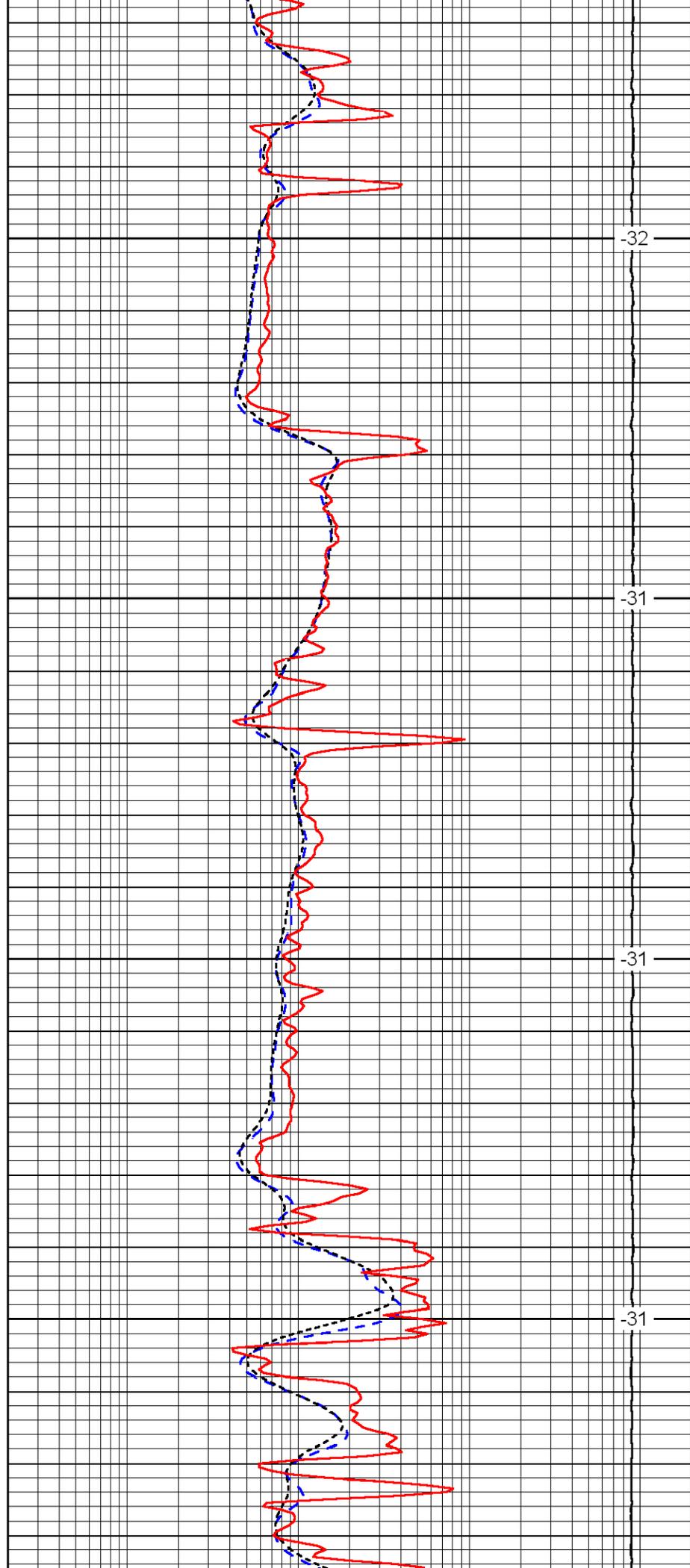


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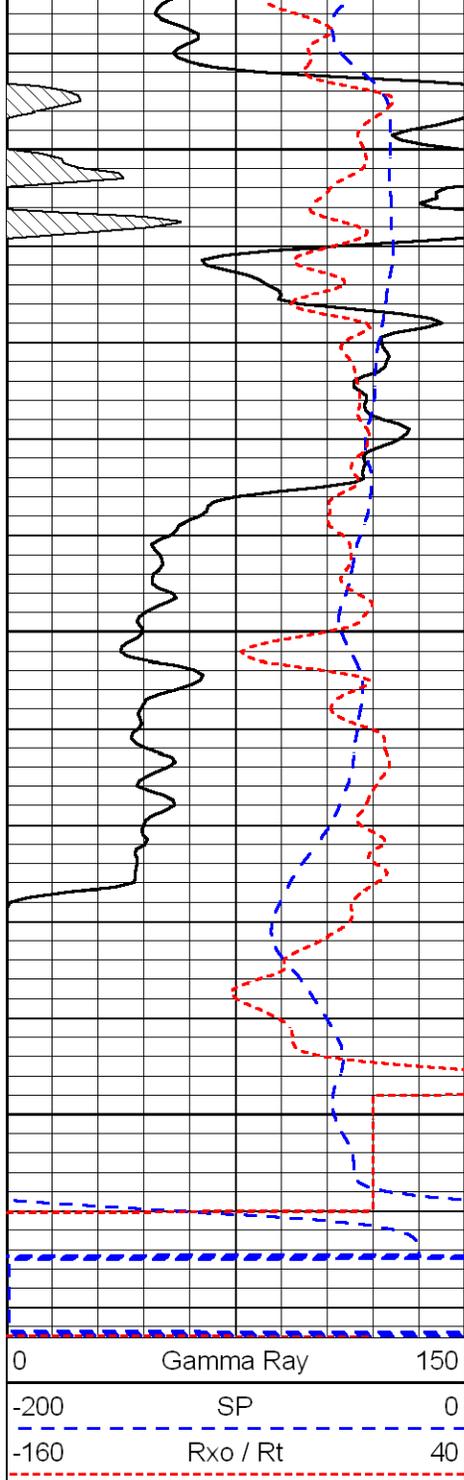


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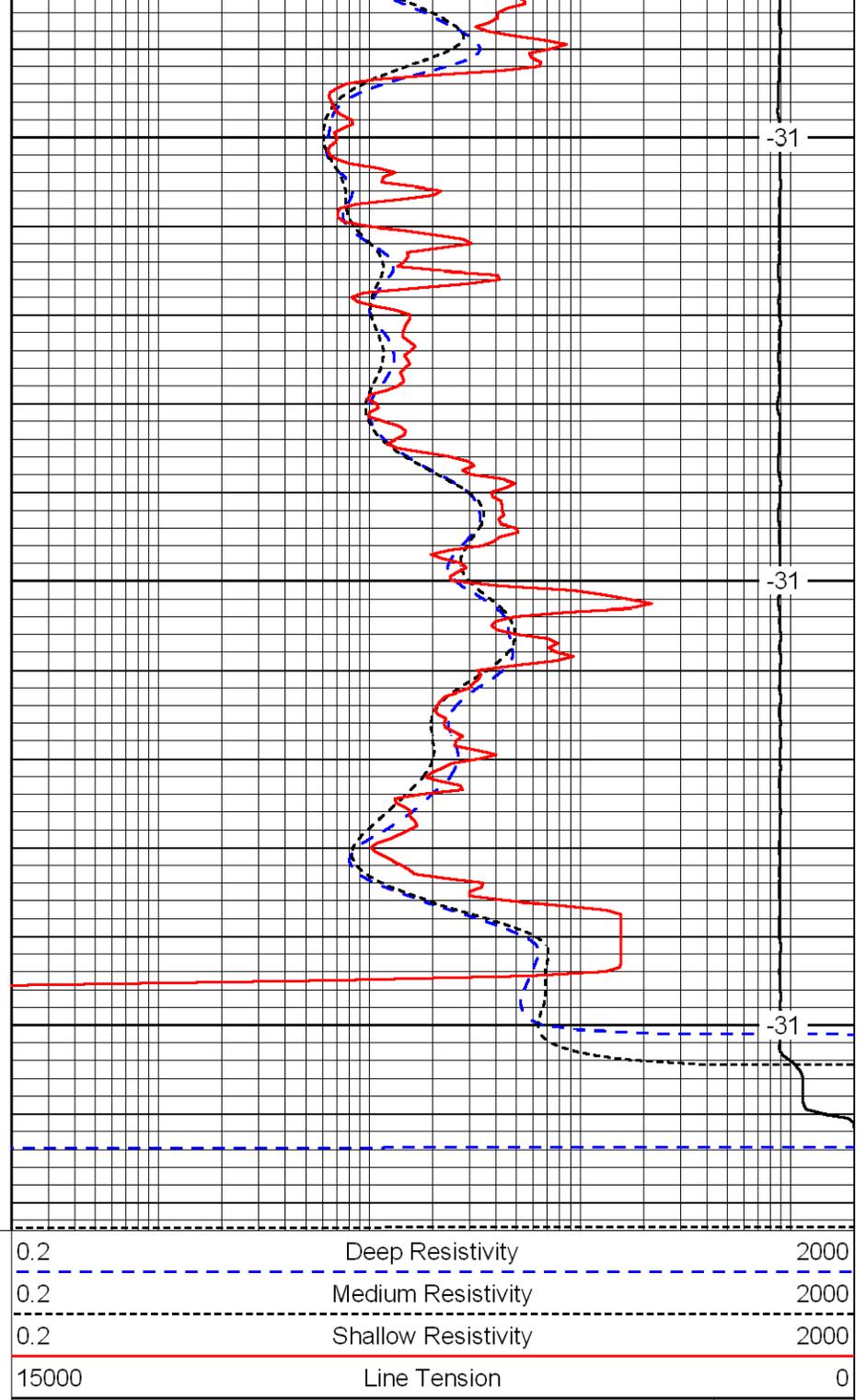
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4400

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