



Dual Induction Log

DIGITAL LOG

(785) 625-3858

API No.	15-179-21,219-00-00	
Company	Murfin Drilling Company, Inc.	
Well	Albert Whitmer No. 1-21	
Field	Lombardy	
County	Sheridan	State
		Kansas
Location	330' FNL & 2310' FEL	
Sec: 21	Twp: 9 S	Rge: 27 W
Permanent Datum	Ground Level	Elevation 2731
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
		Other Services CNL/CDL MEL
		Elevation K.B. 2736 D.F. G.L. 2731

Date	1/11/09
Run Number	One
Depth Driller	4490
Depth Logger	4494
Bottom Logged Interval	4493
Top Log Interval	0
Casing Driller	8.625 @ 290
Casing Logger	288
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	
Density / Viscosity	9.2 50
pH / Fluid Loss	11.0 6.8
Source of Sample	Flowline
Rm @ Meas. Temp	1.7 @ 52
Rmf @ Meas. Temp	1.275 @ 52
Rmc @ Meas. Temp	2.295 @ 52
Source of Rmf / Rmc	Charts
Rm @ BHT	.72 @ 123
Operating Rig Time	5 1/2 Hours
Max Rec. Temp. F	123
Equipment Number	10
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

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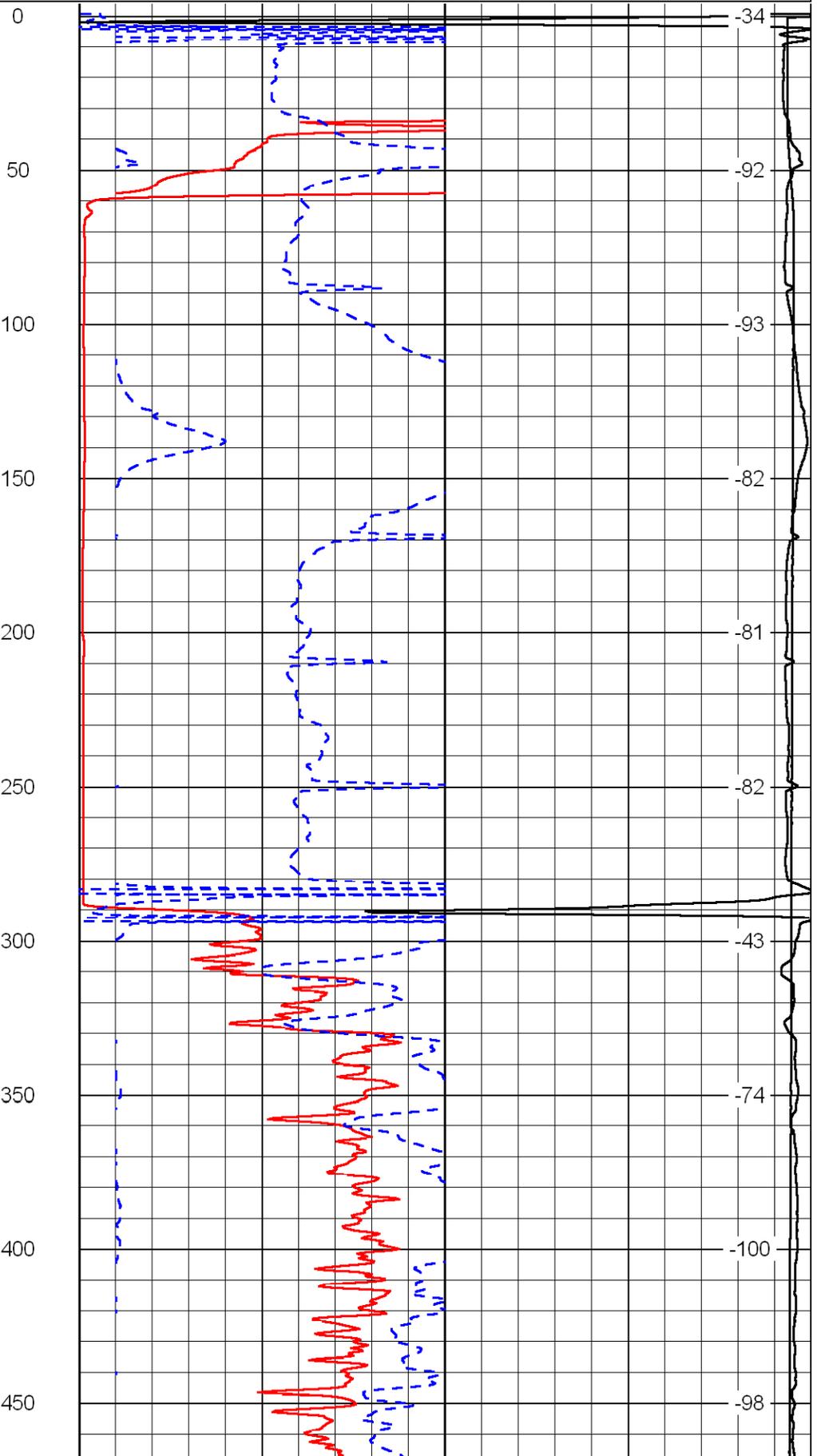
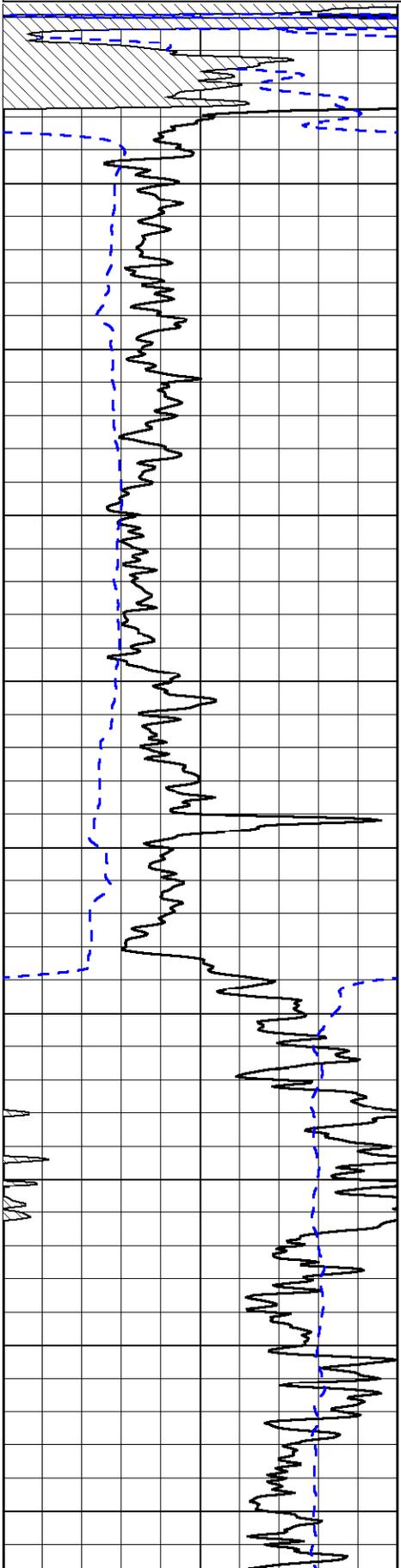
Park, N on county rd (take correction curves to west and back north) to stop sign (rd 70S), E 1 1/2, S into at tank battery

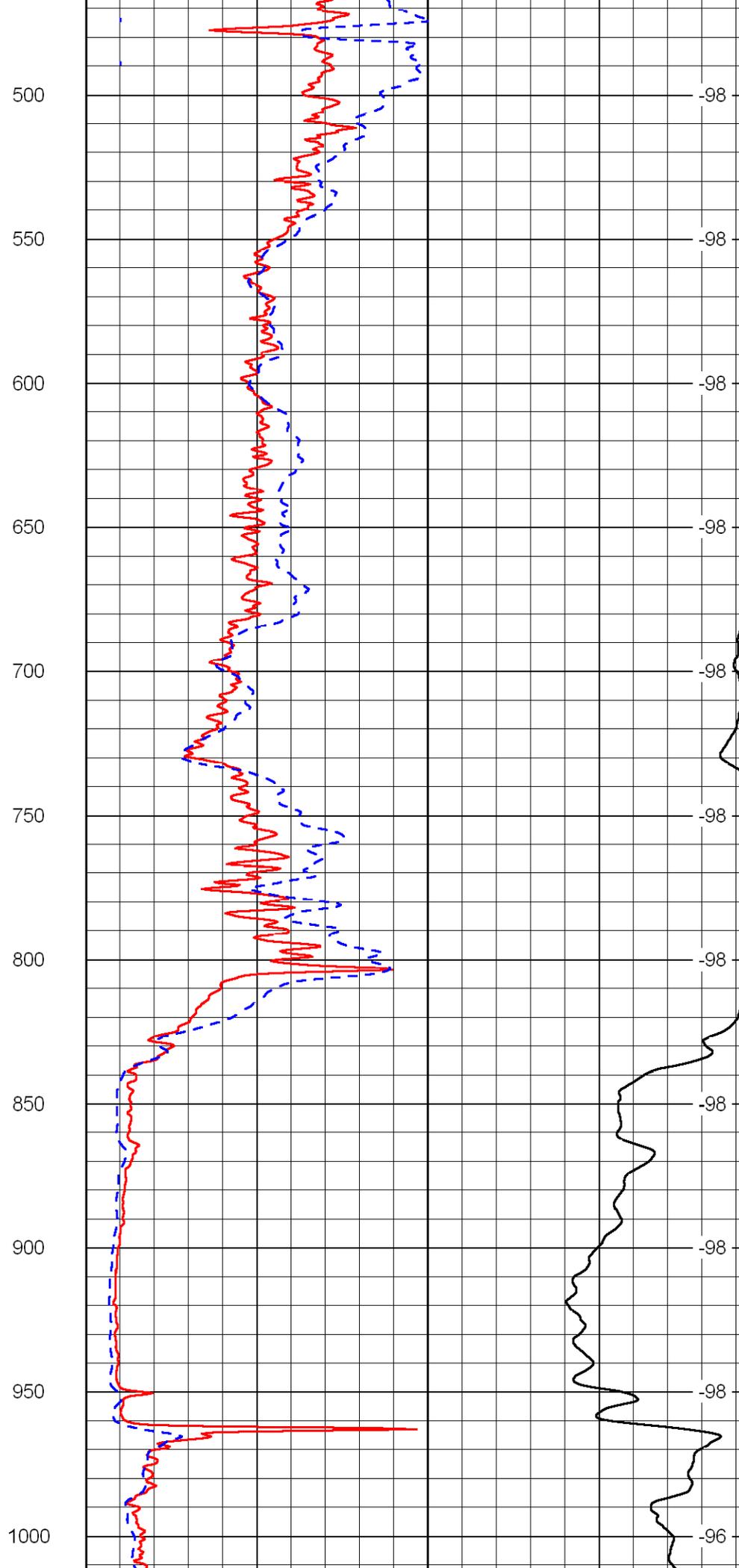
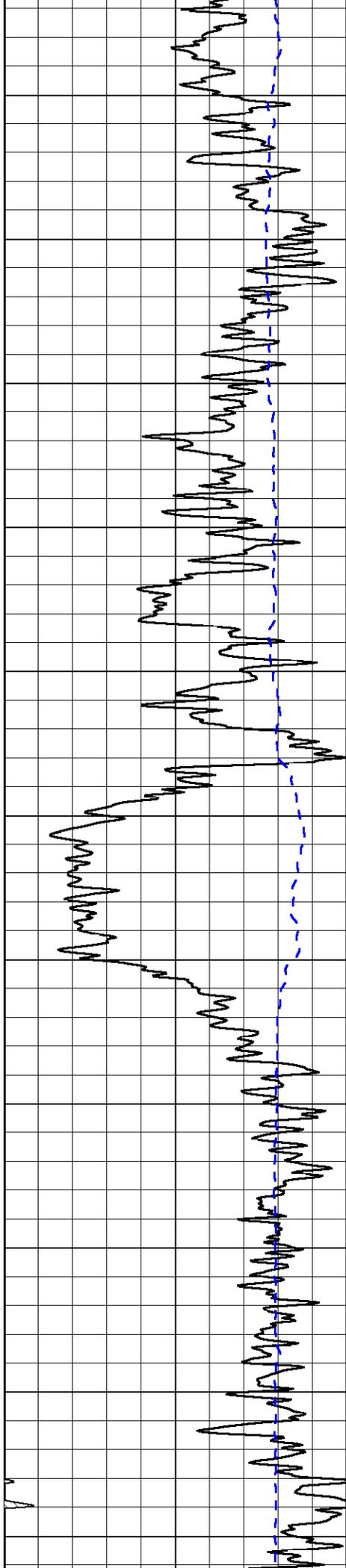
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 Dataset Creation: Sun Jan 11 10:44:41 2009
 Charted by: Depth in Feet scaled 1:600

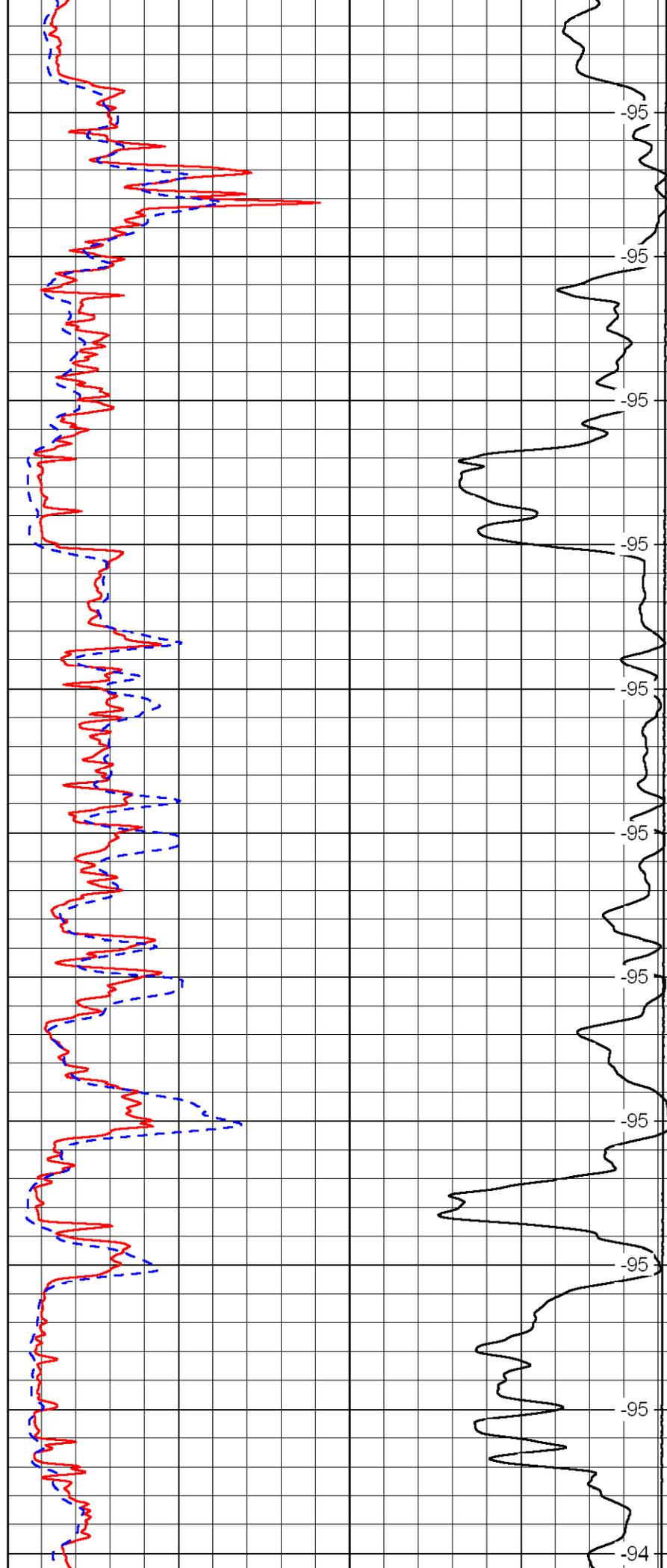
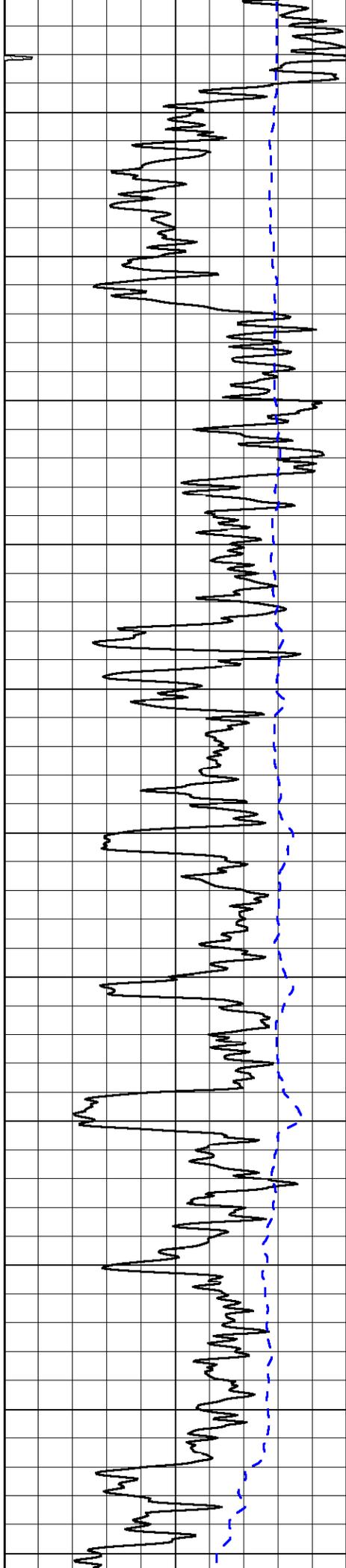
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-200	SP	0

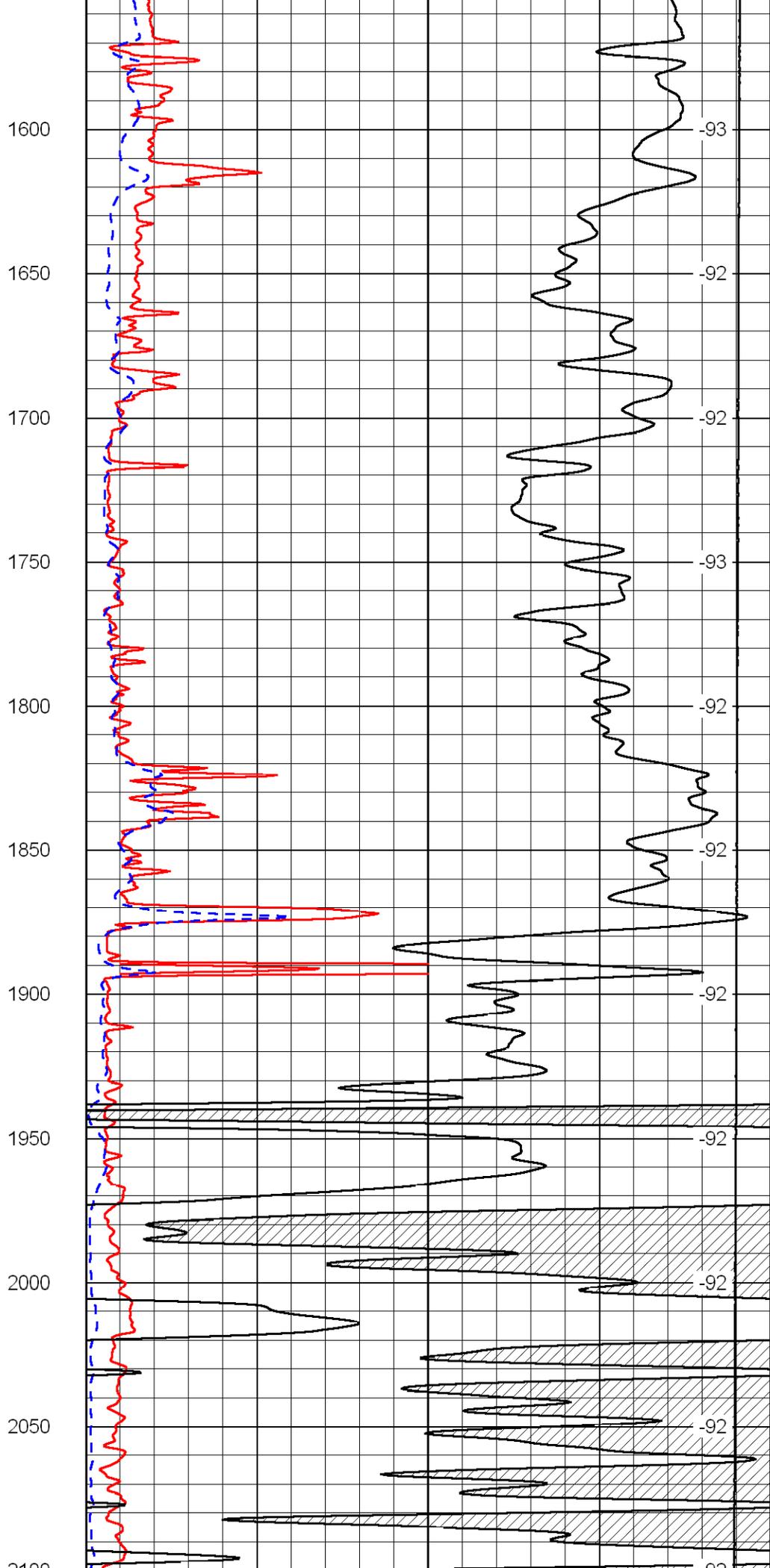
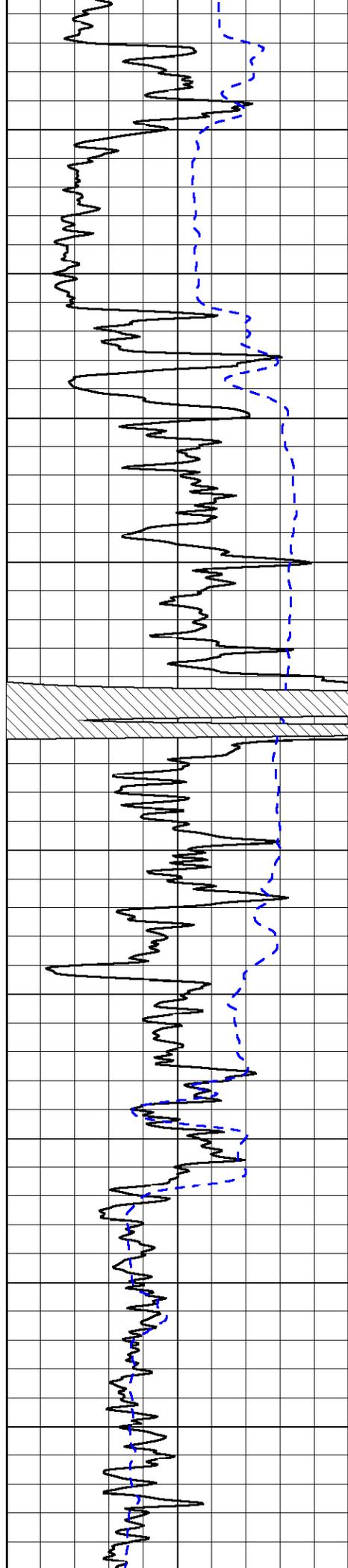
0	Shallow Resistivity	50
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1000	Conductivity	0
15000	Line Tension	0

LSPD	0
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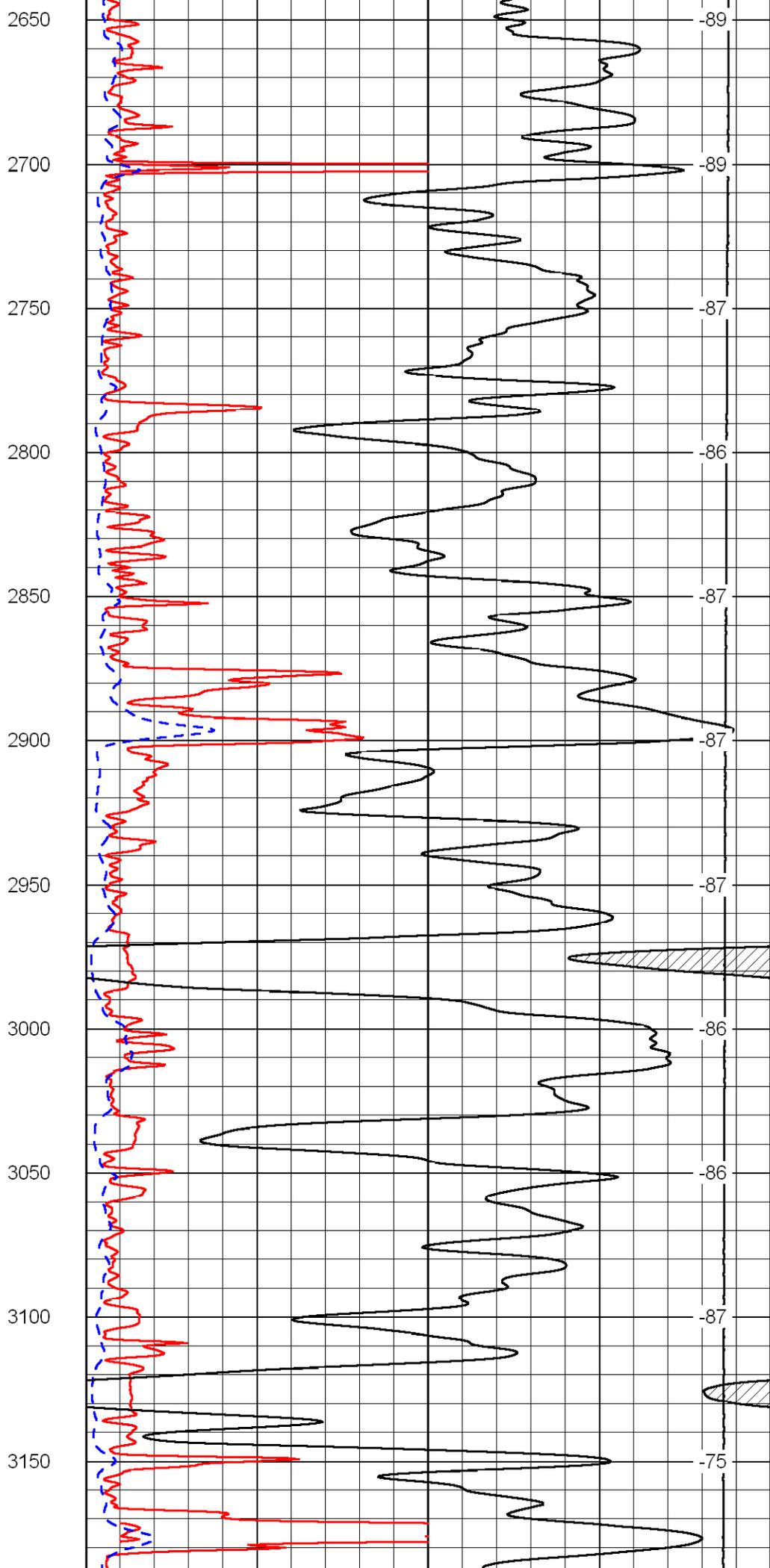
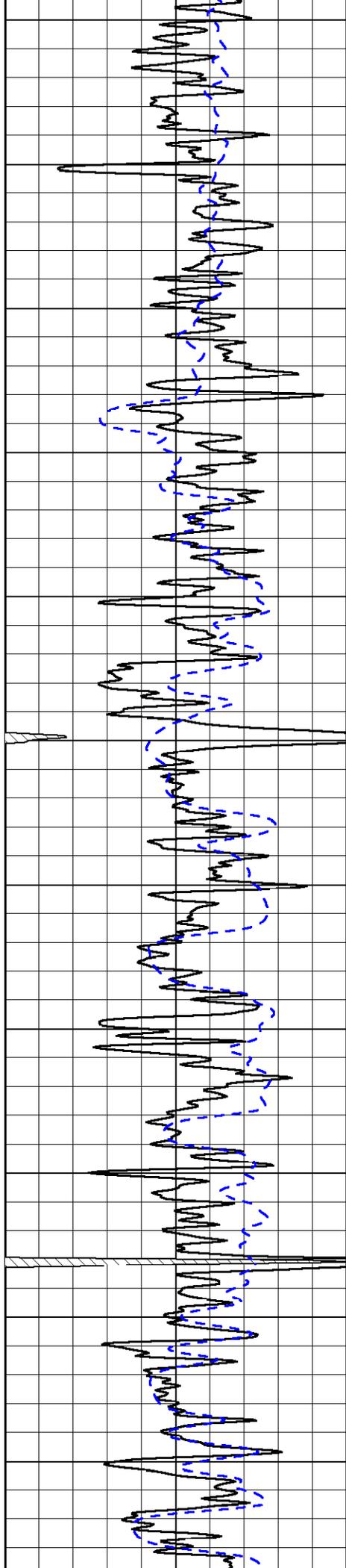


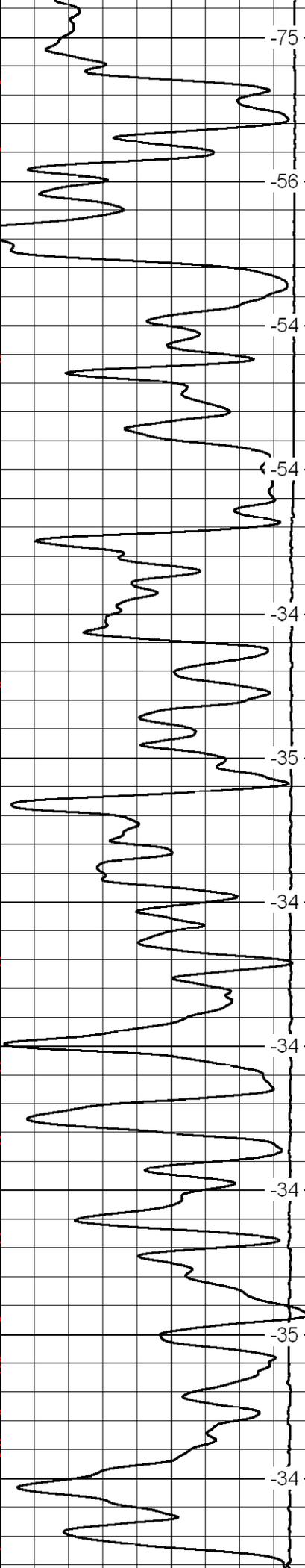
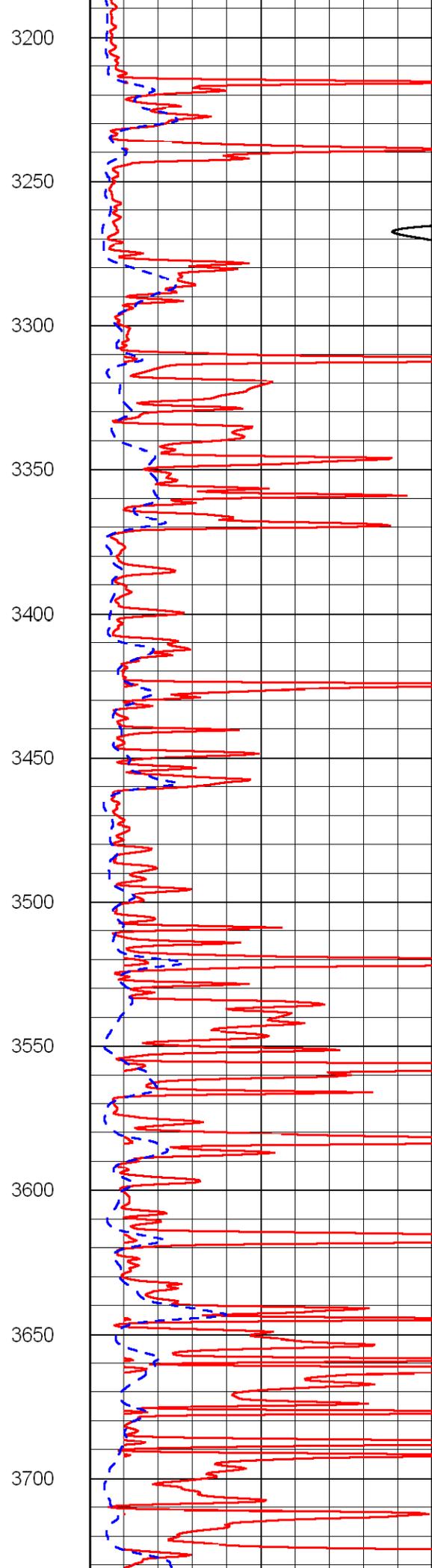
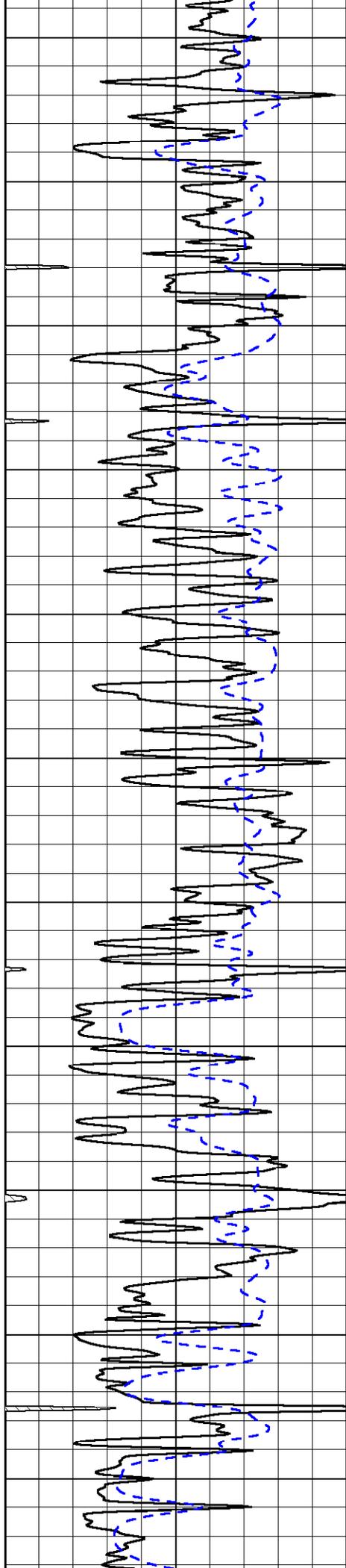


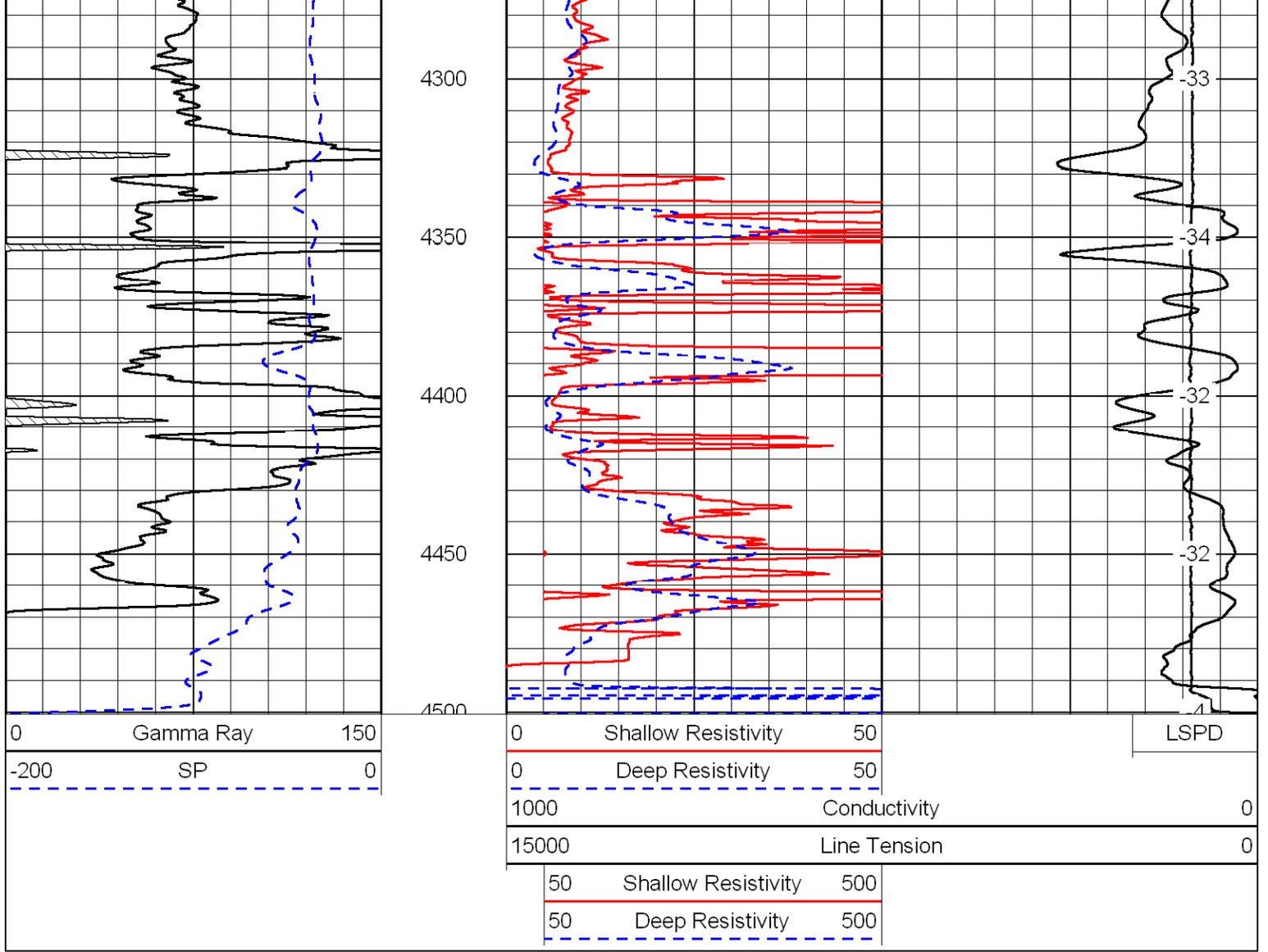




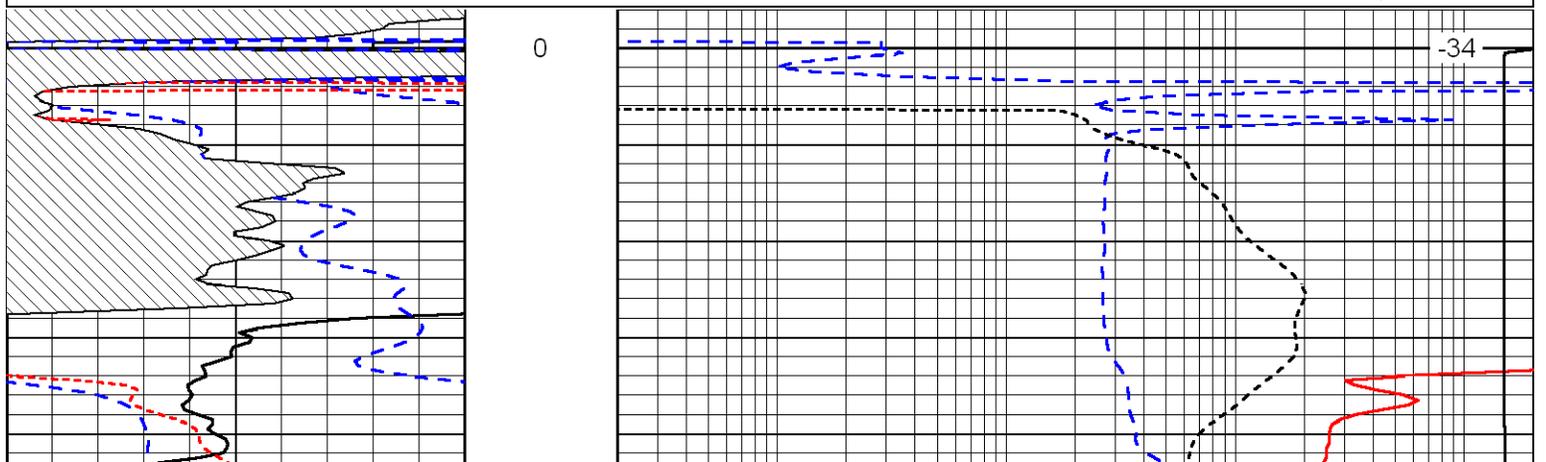
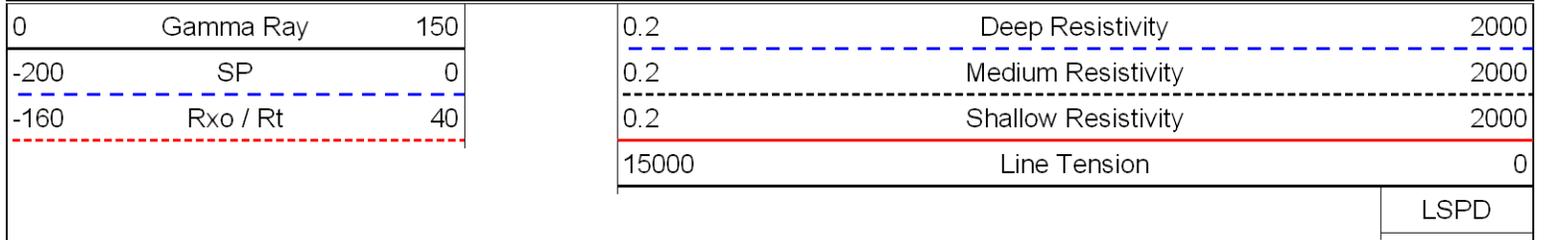
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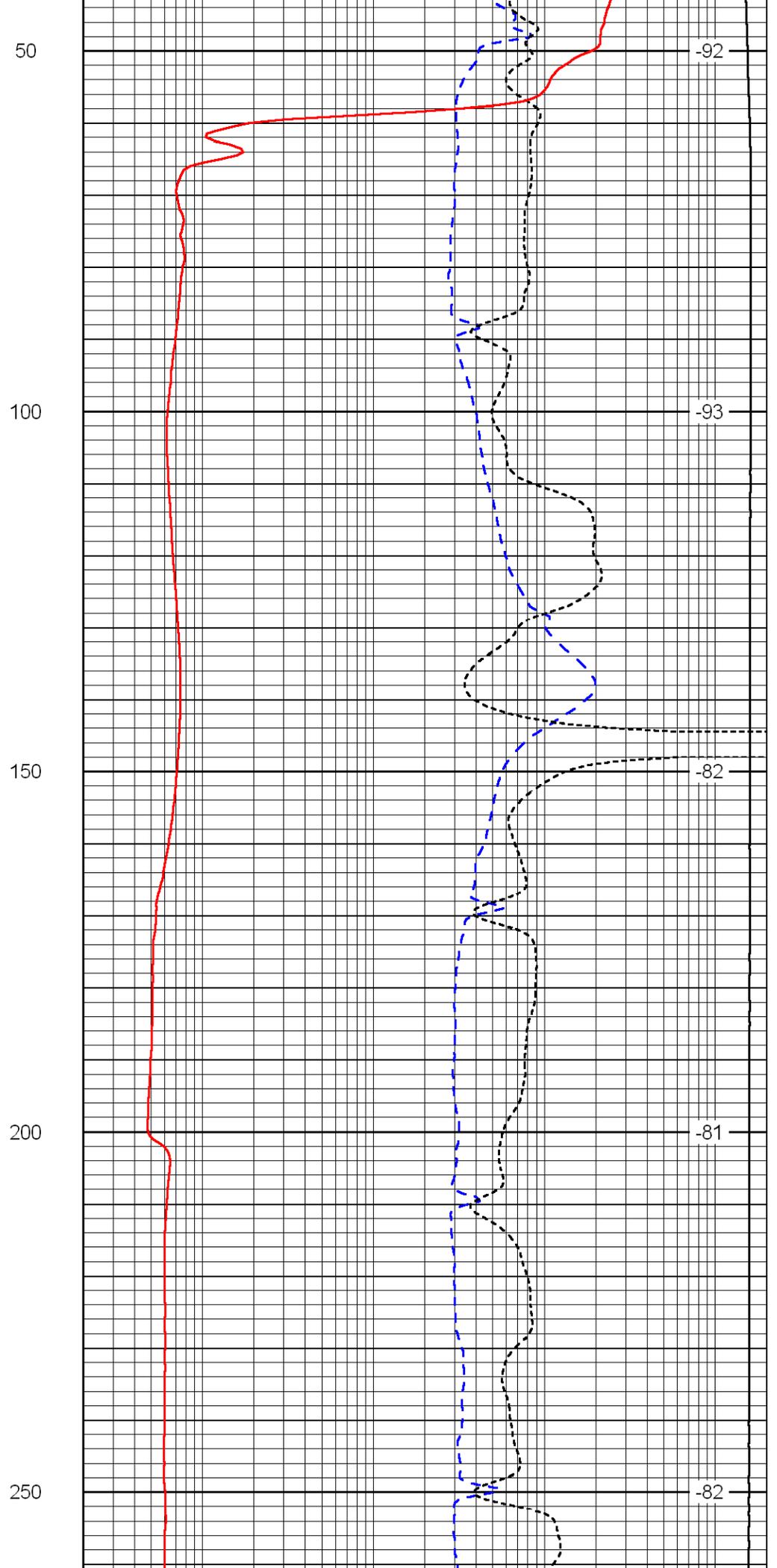
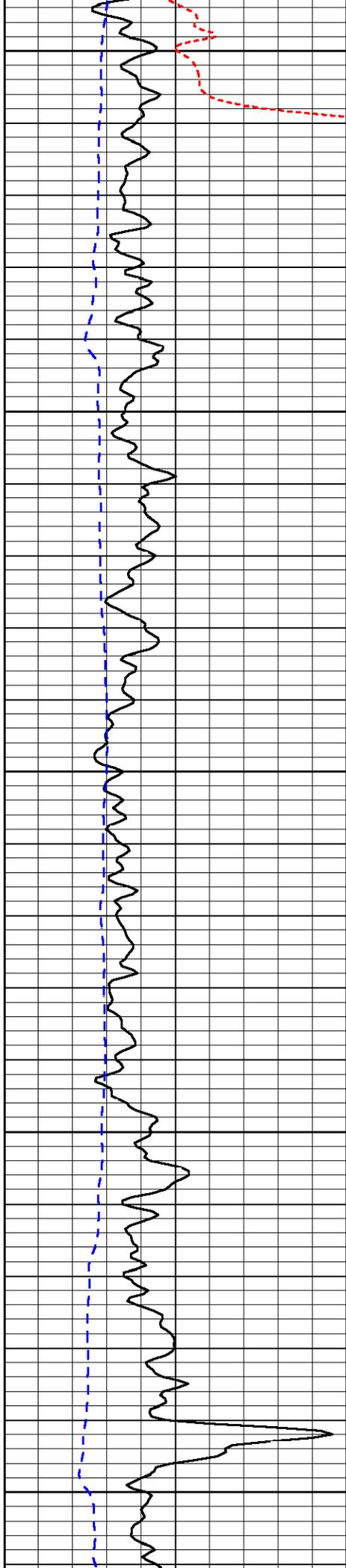


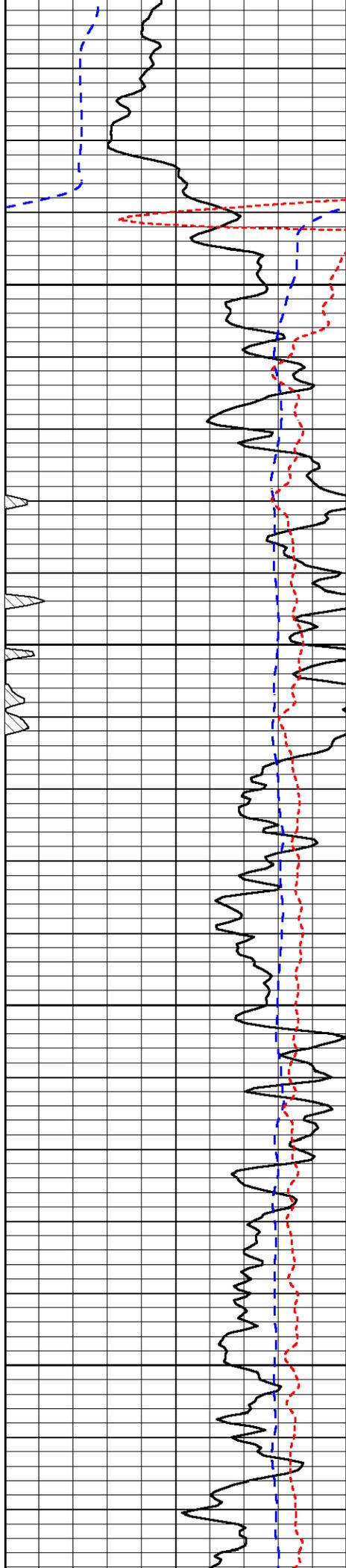




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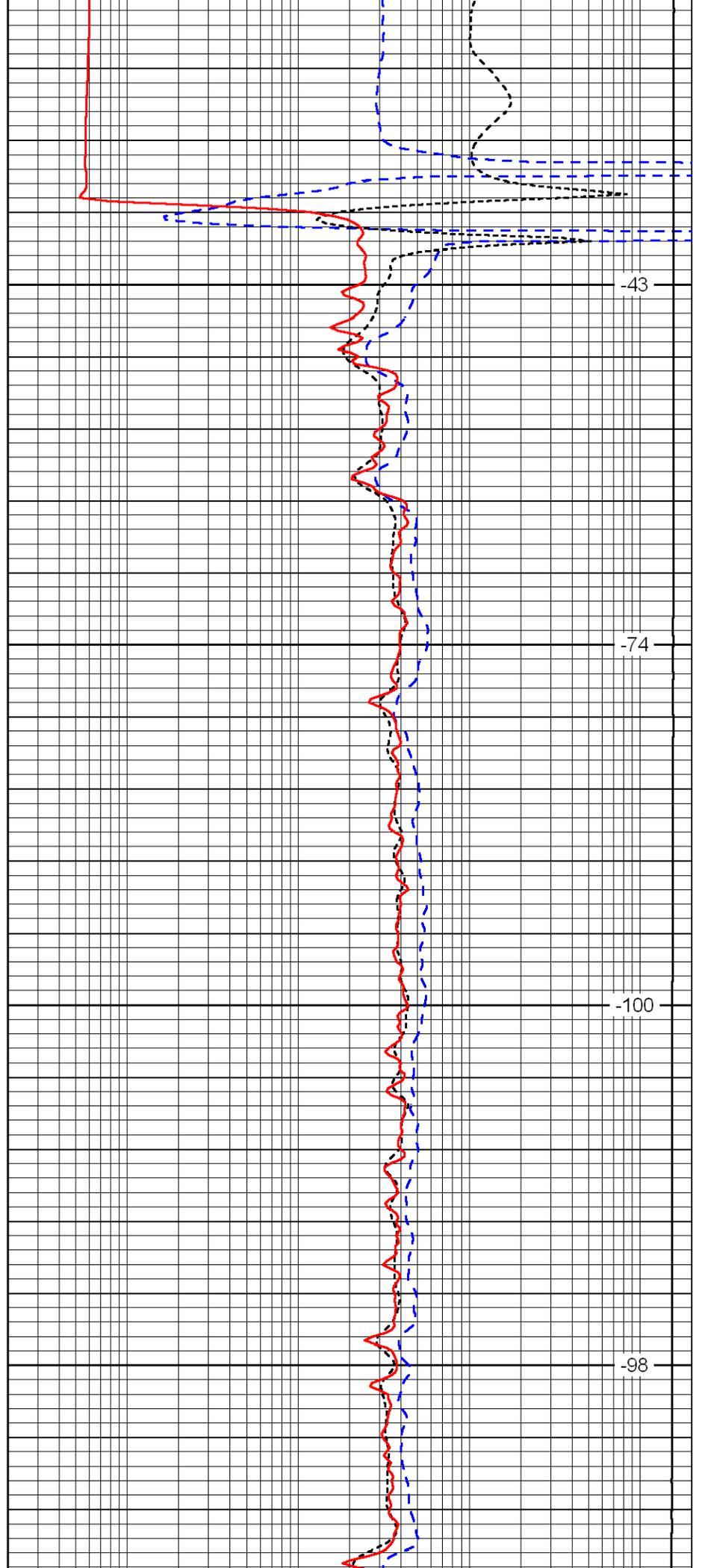


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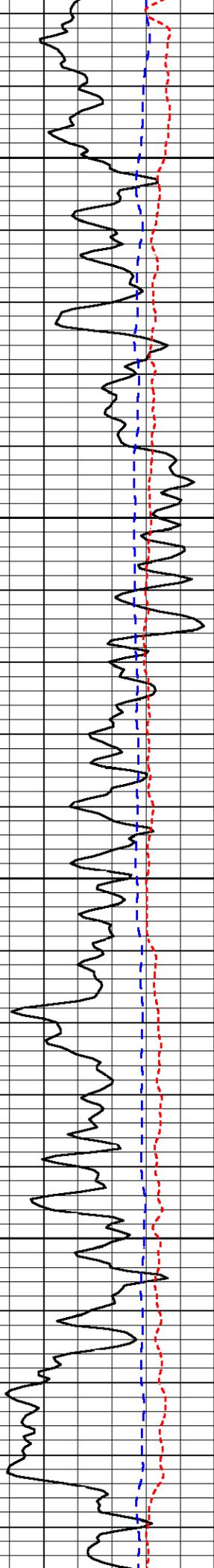


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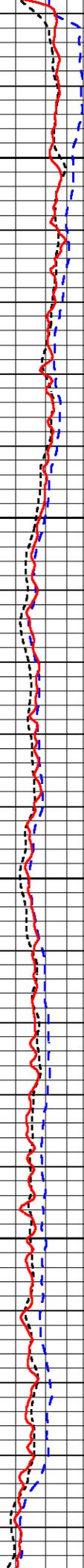


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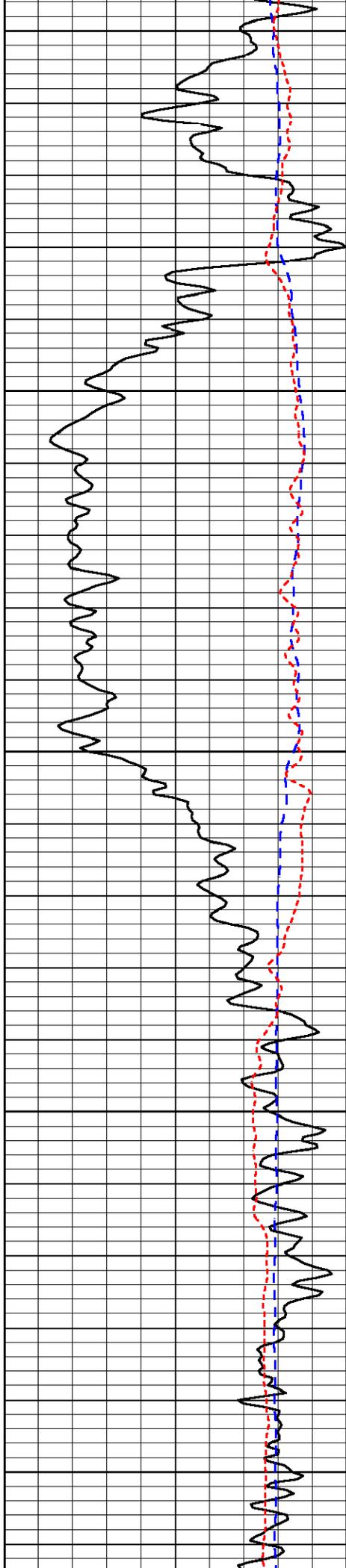


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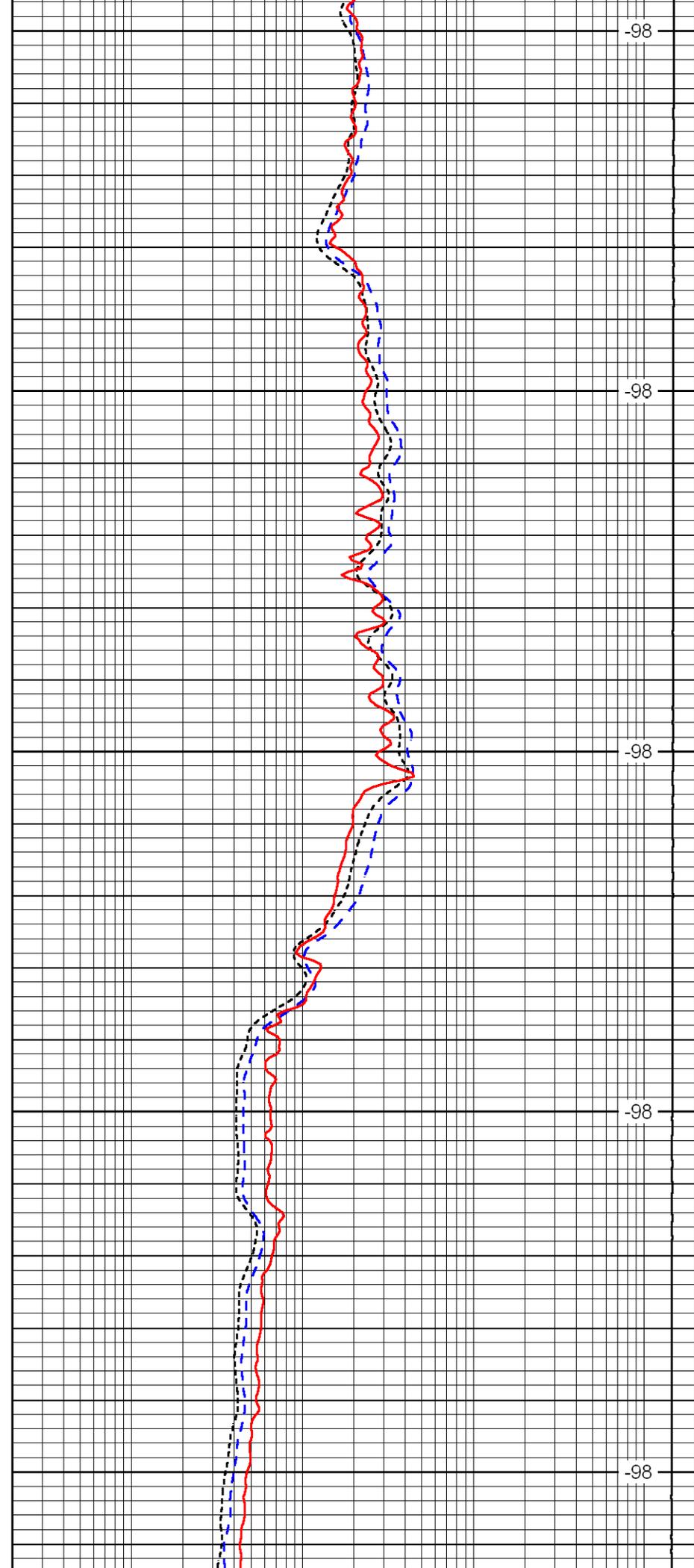
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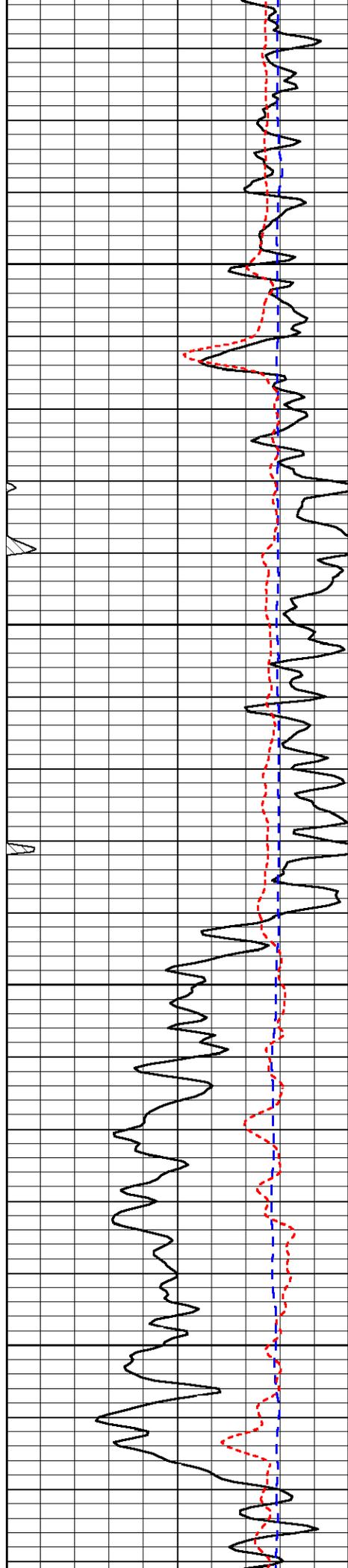
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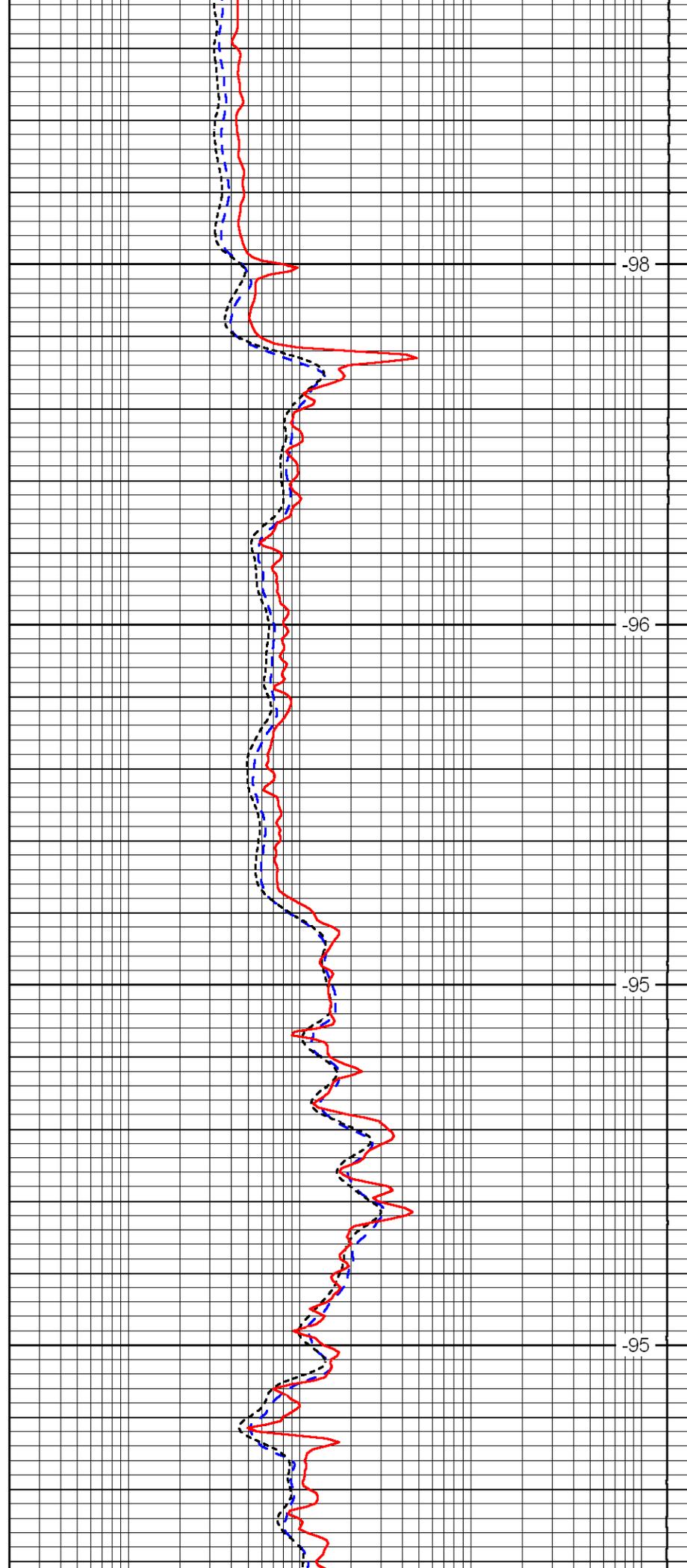


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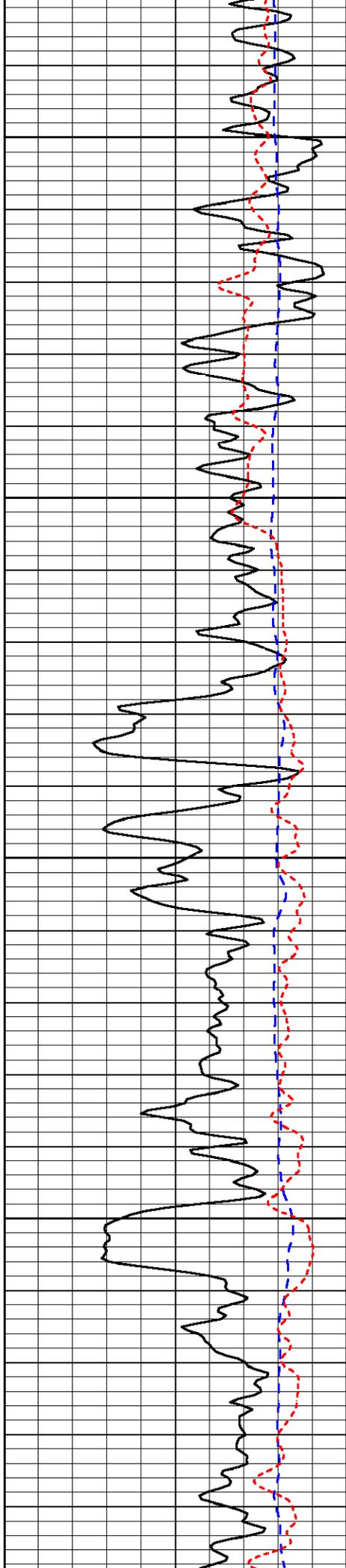


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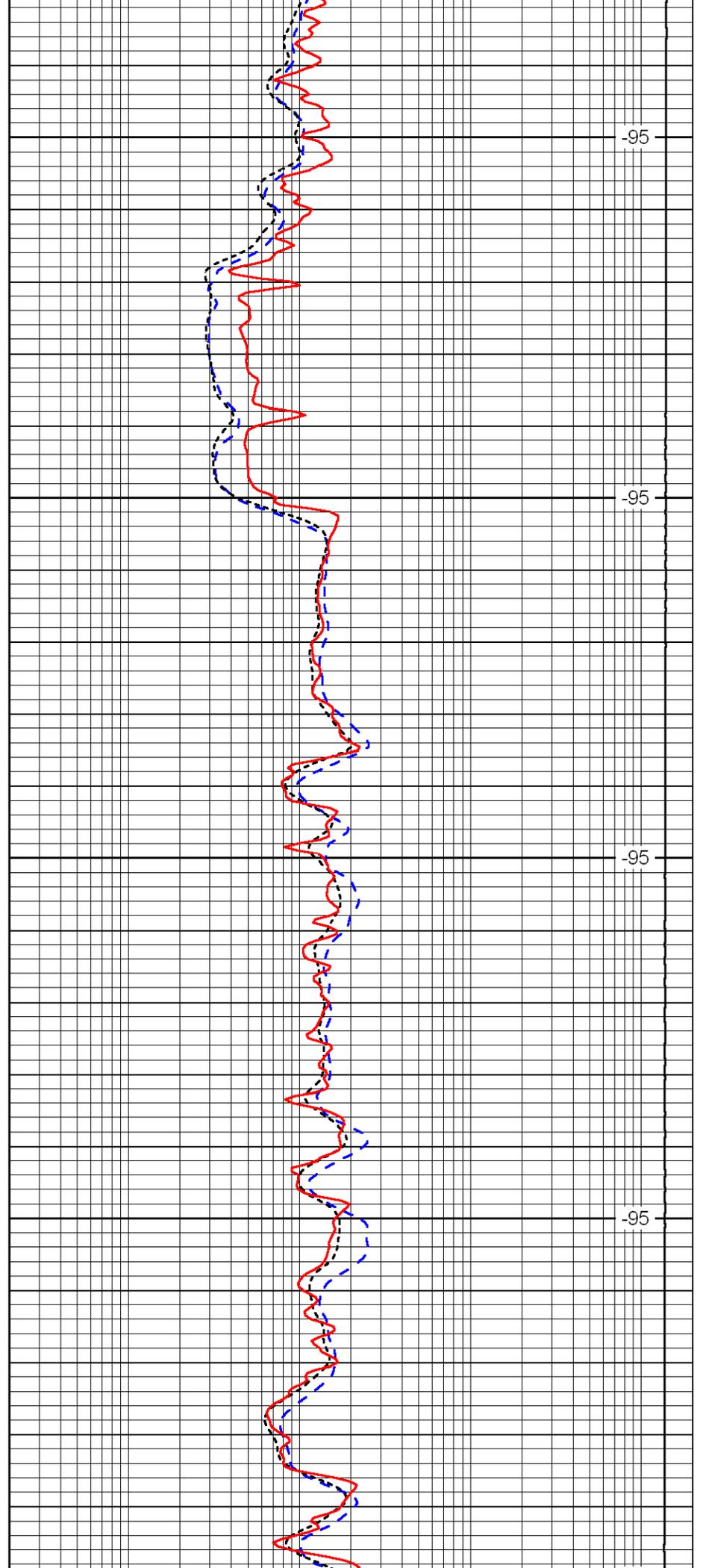


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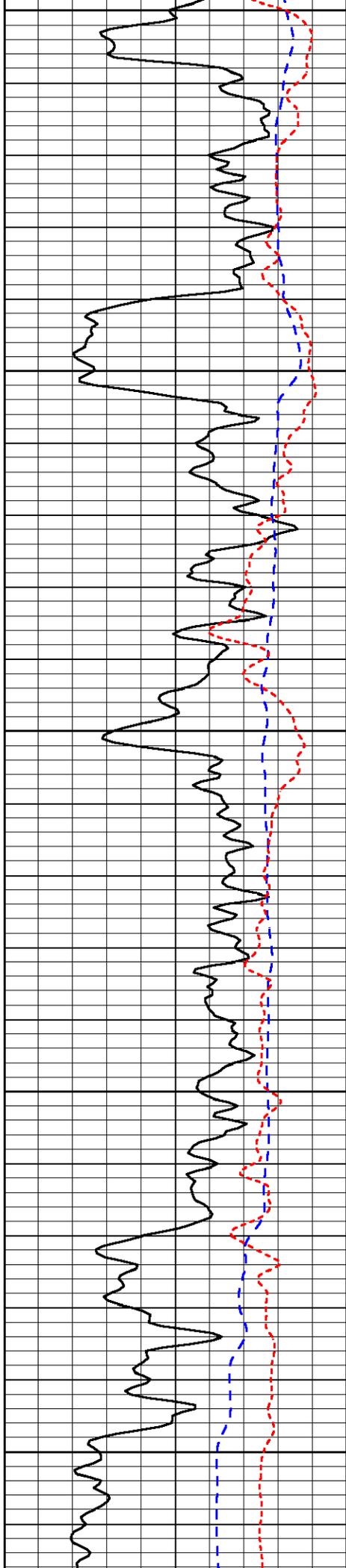


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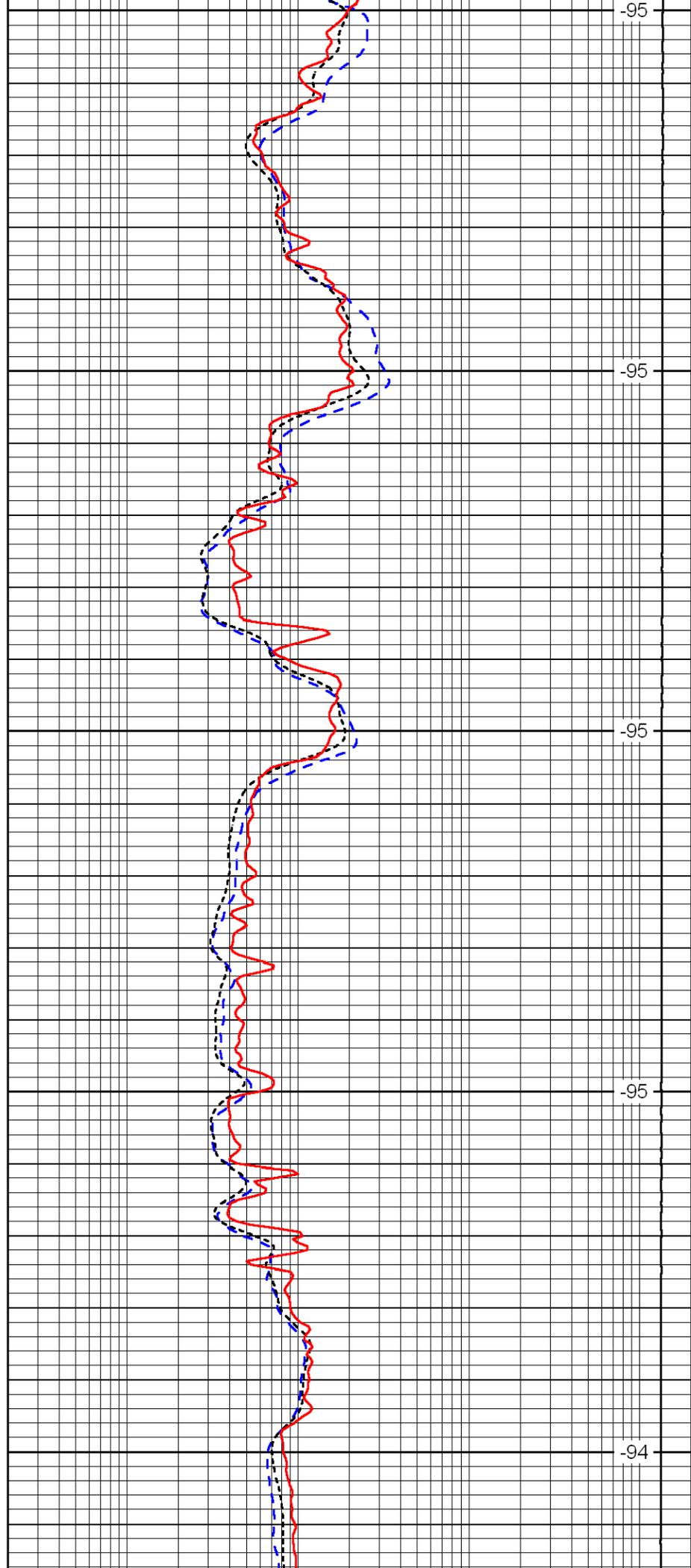
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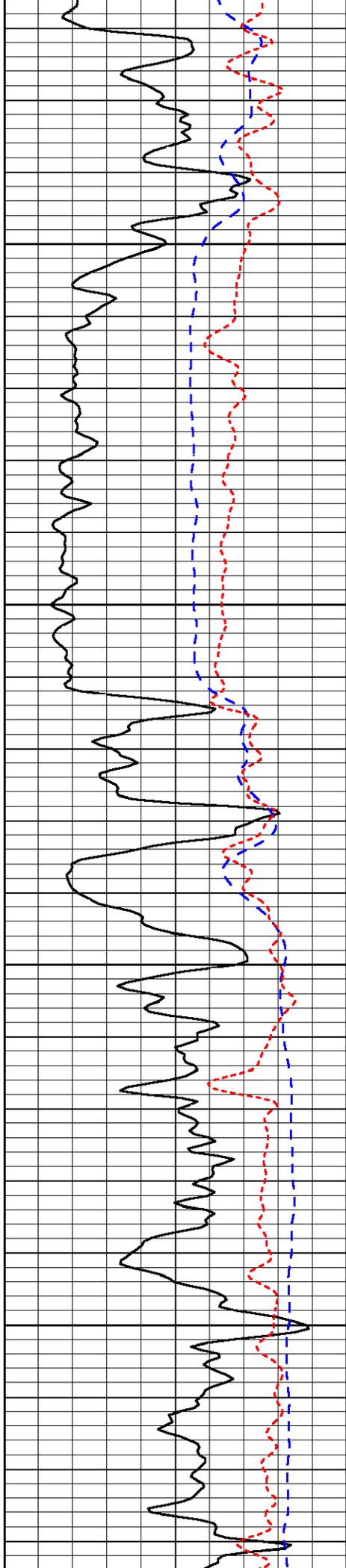
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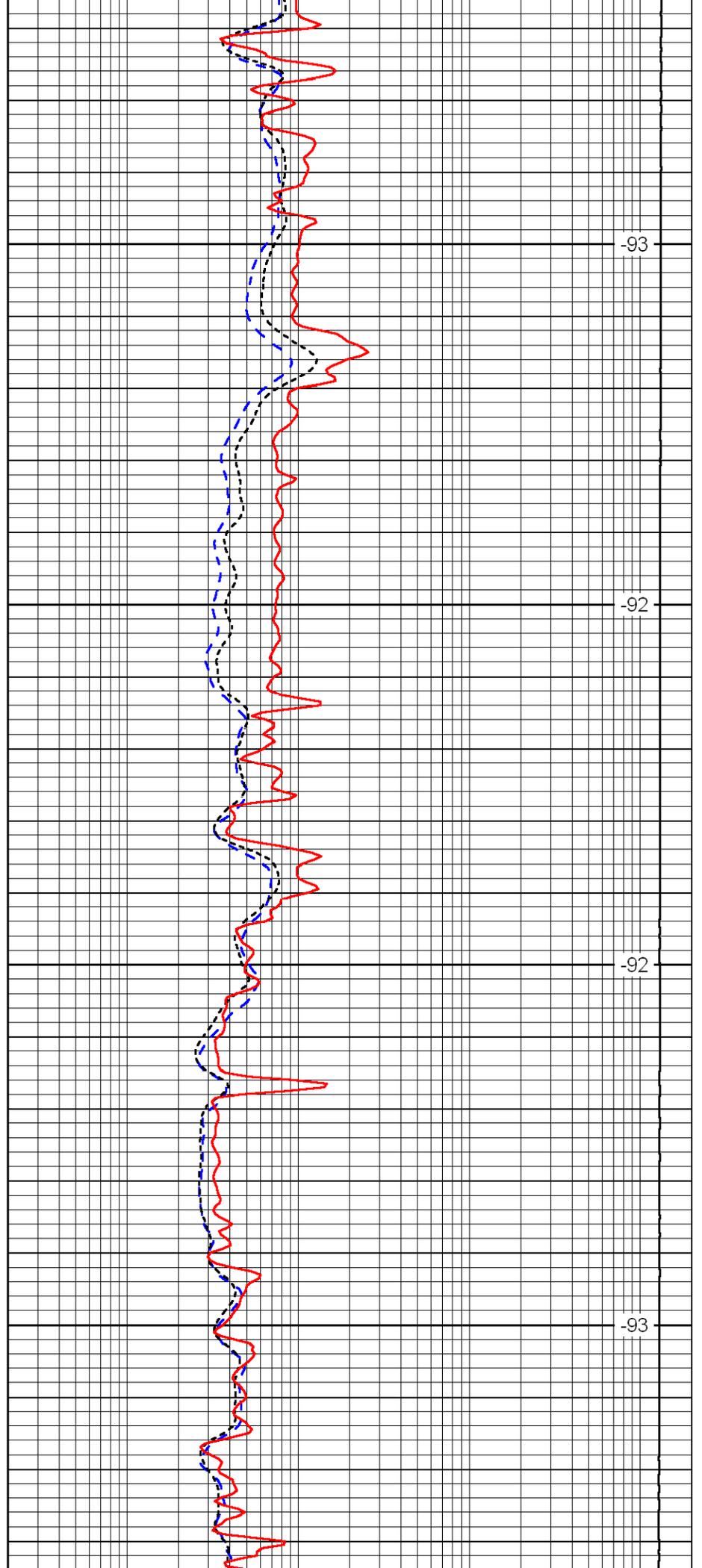


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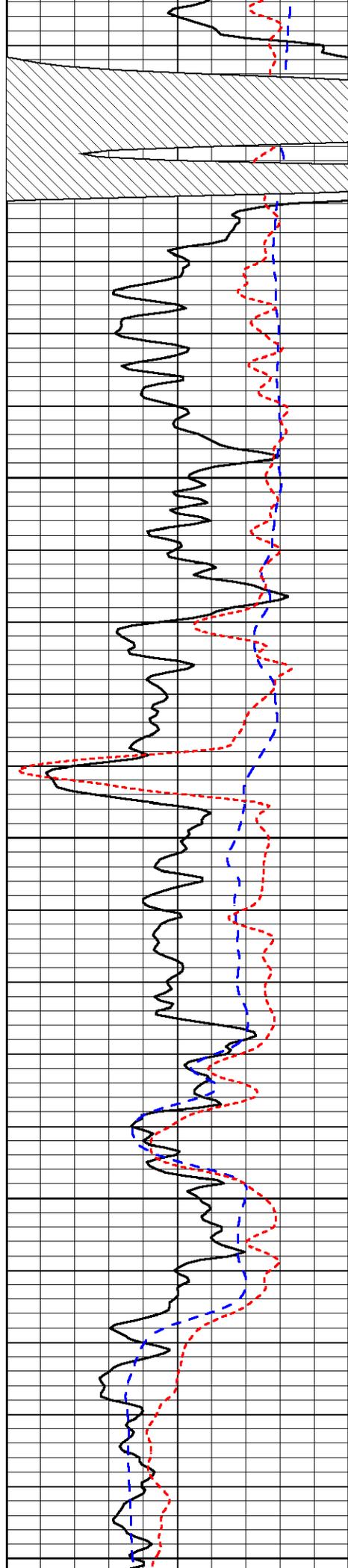


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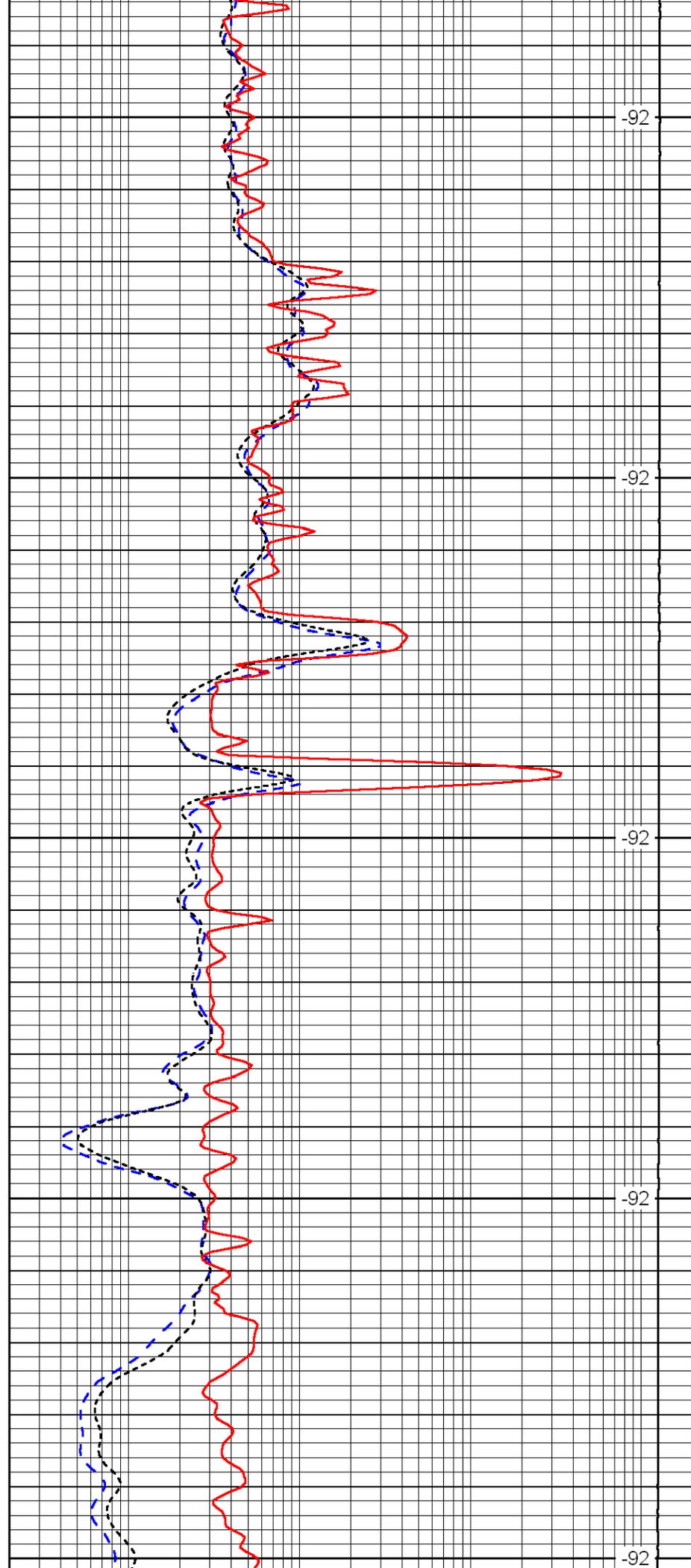
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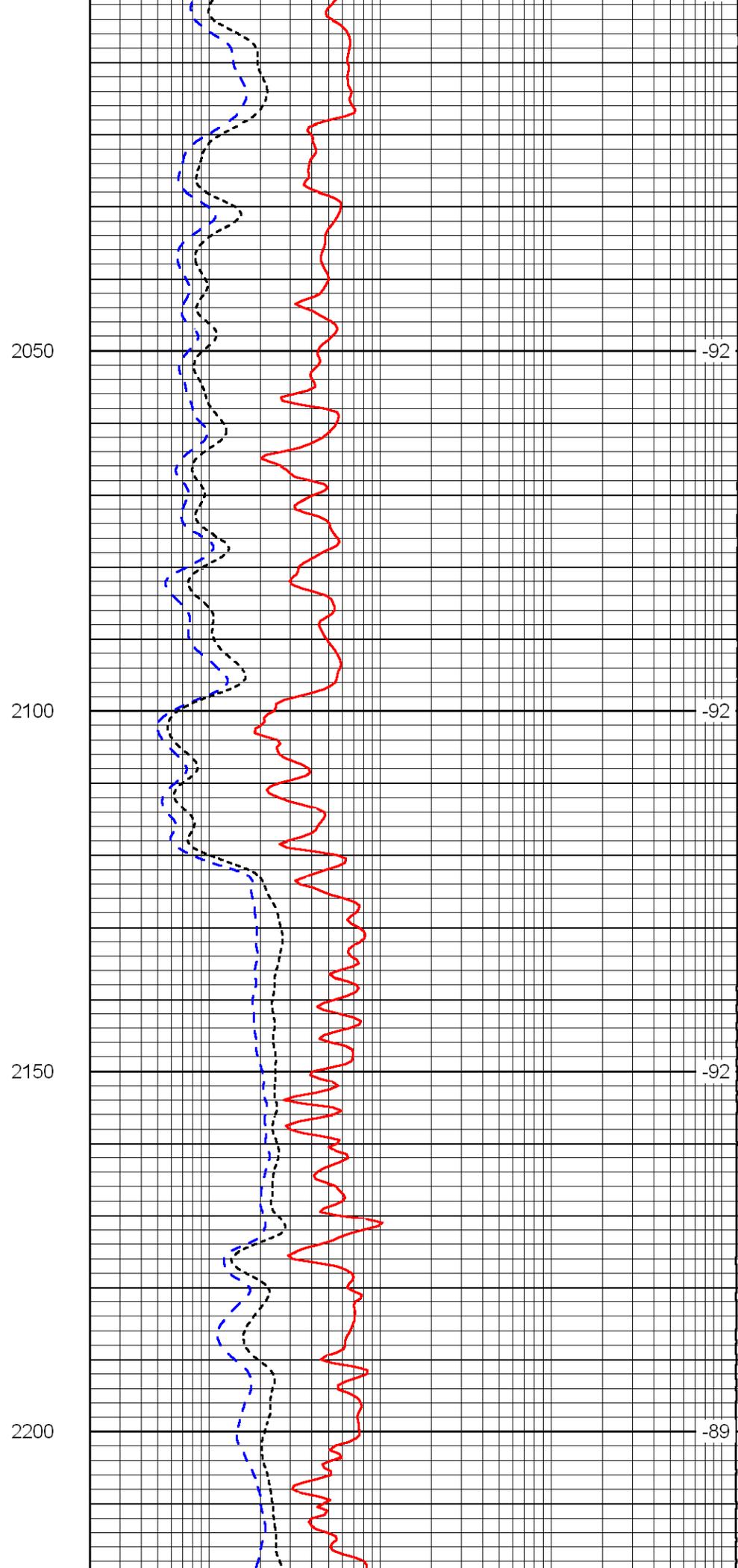
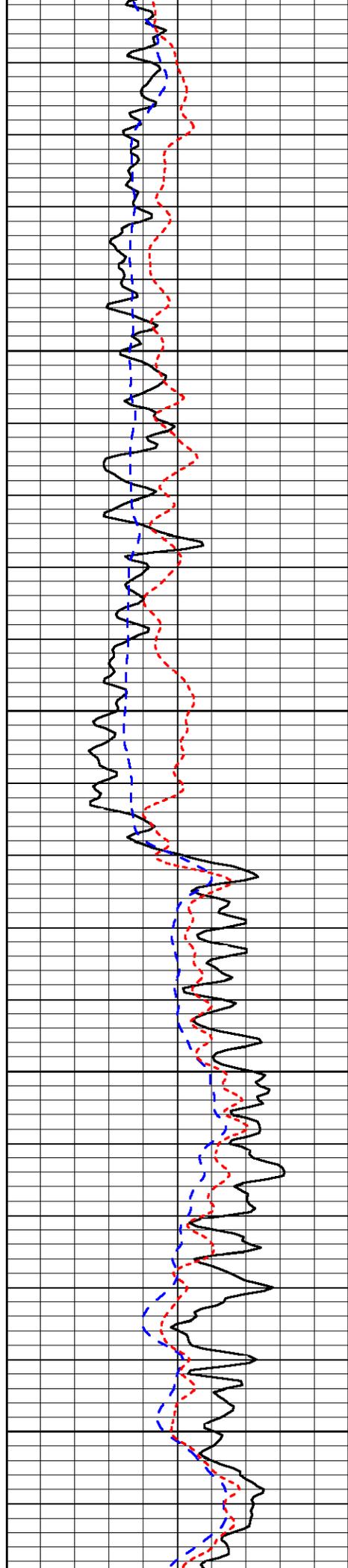
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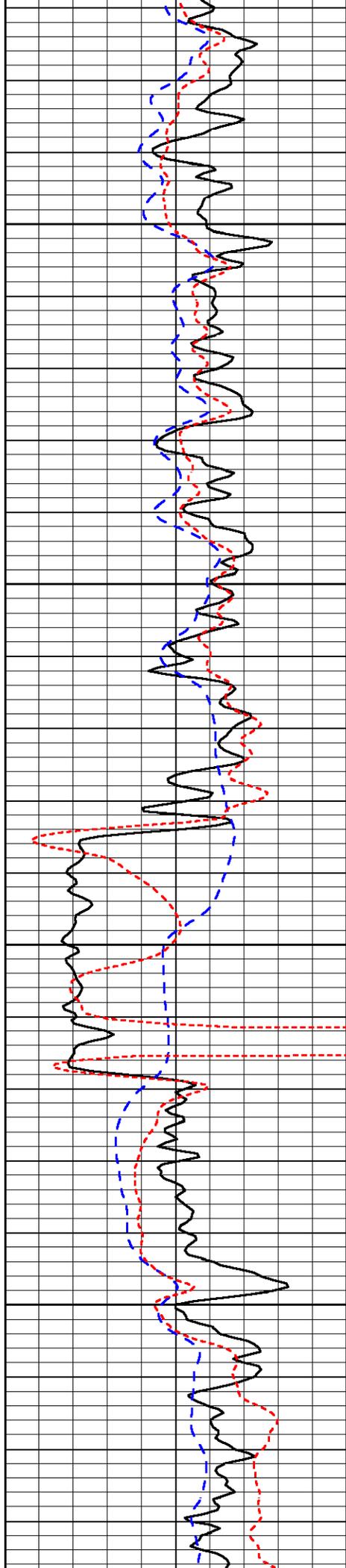
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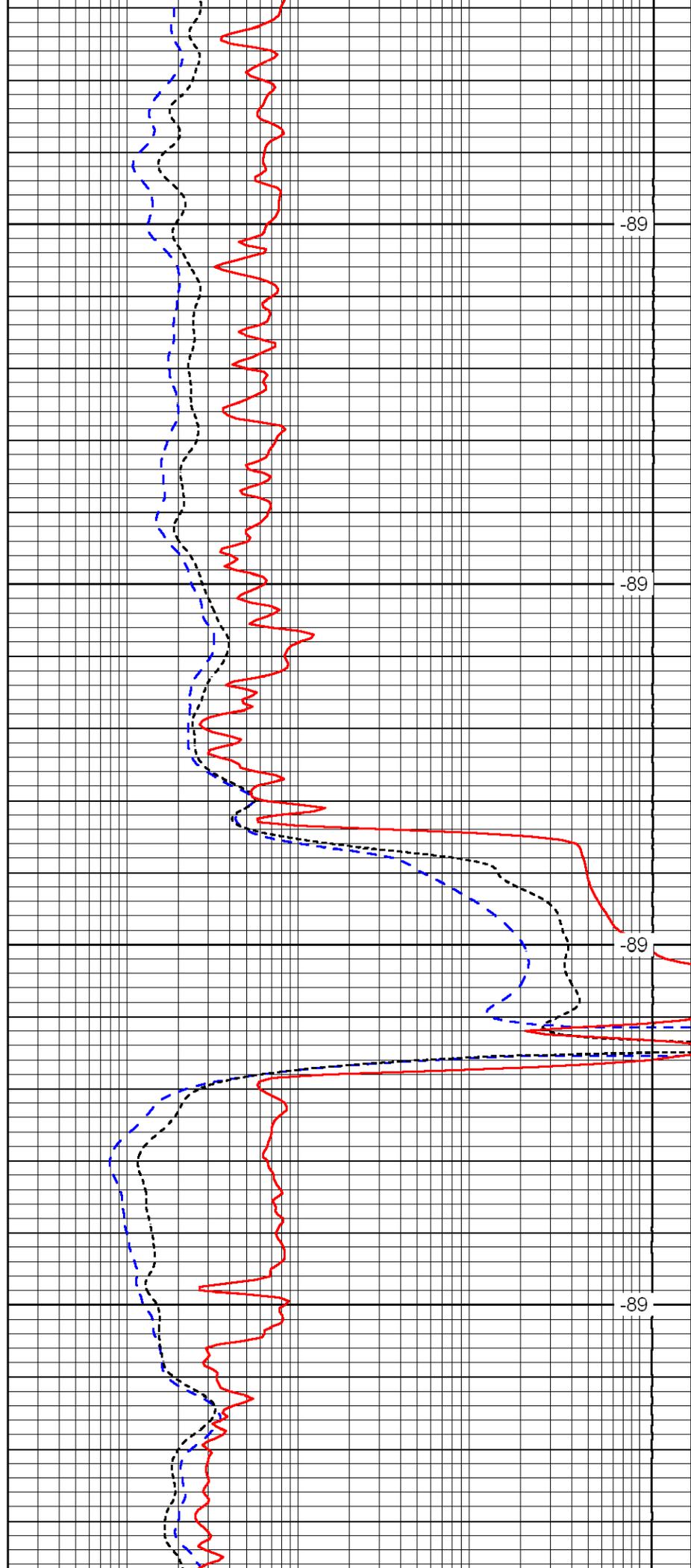


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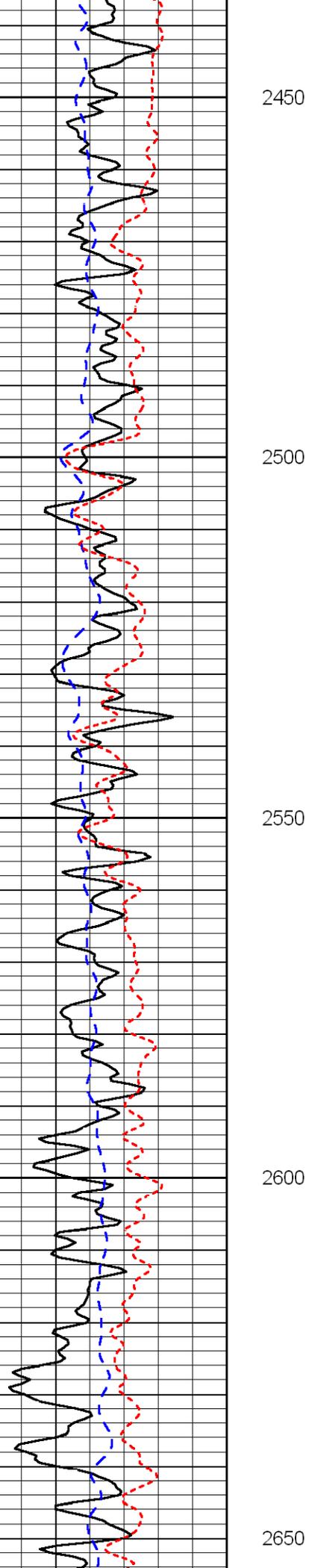


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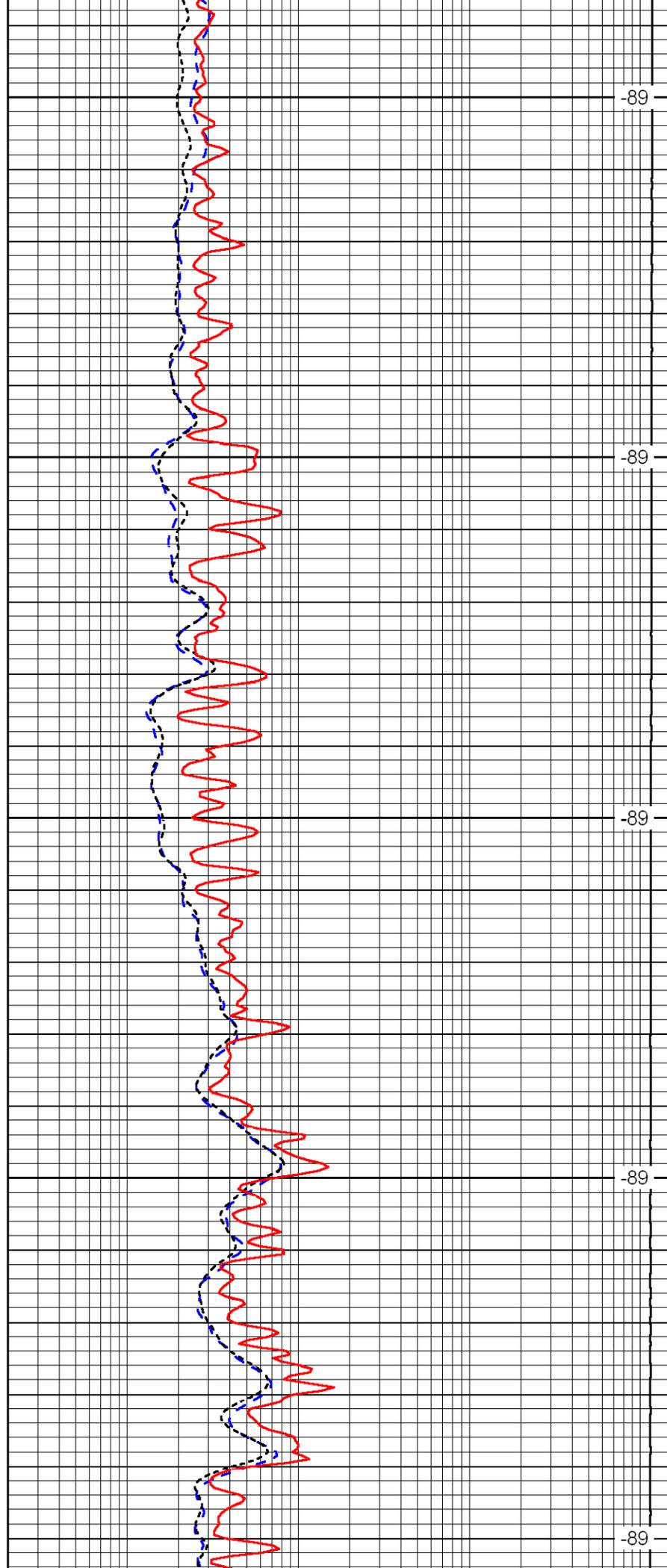
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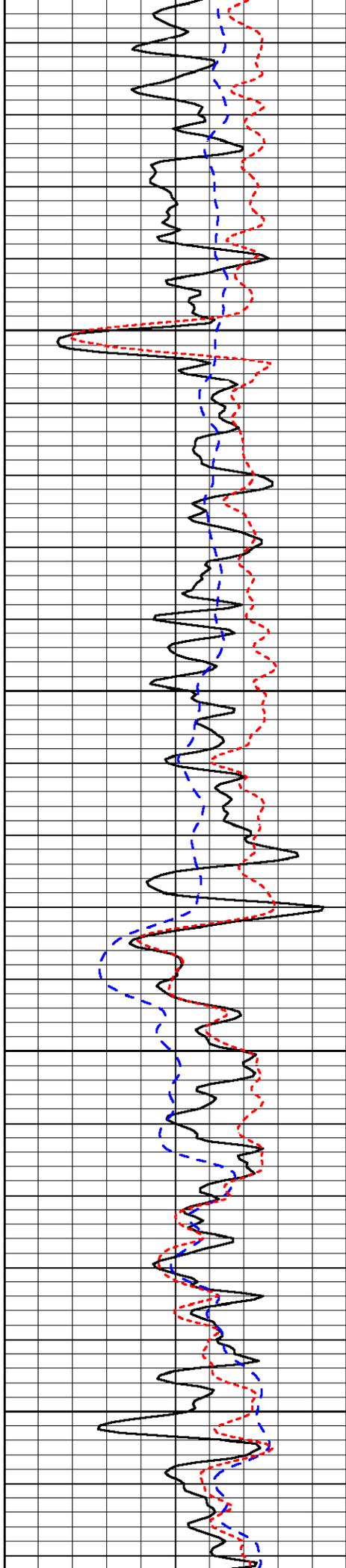
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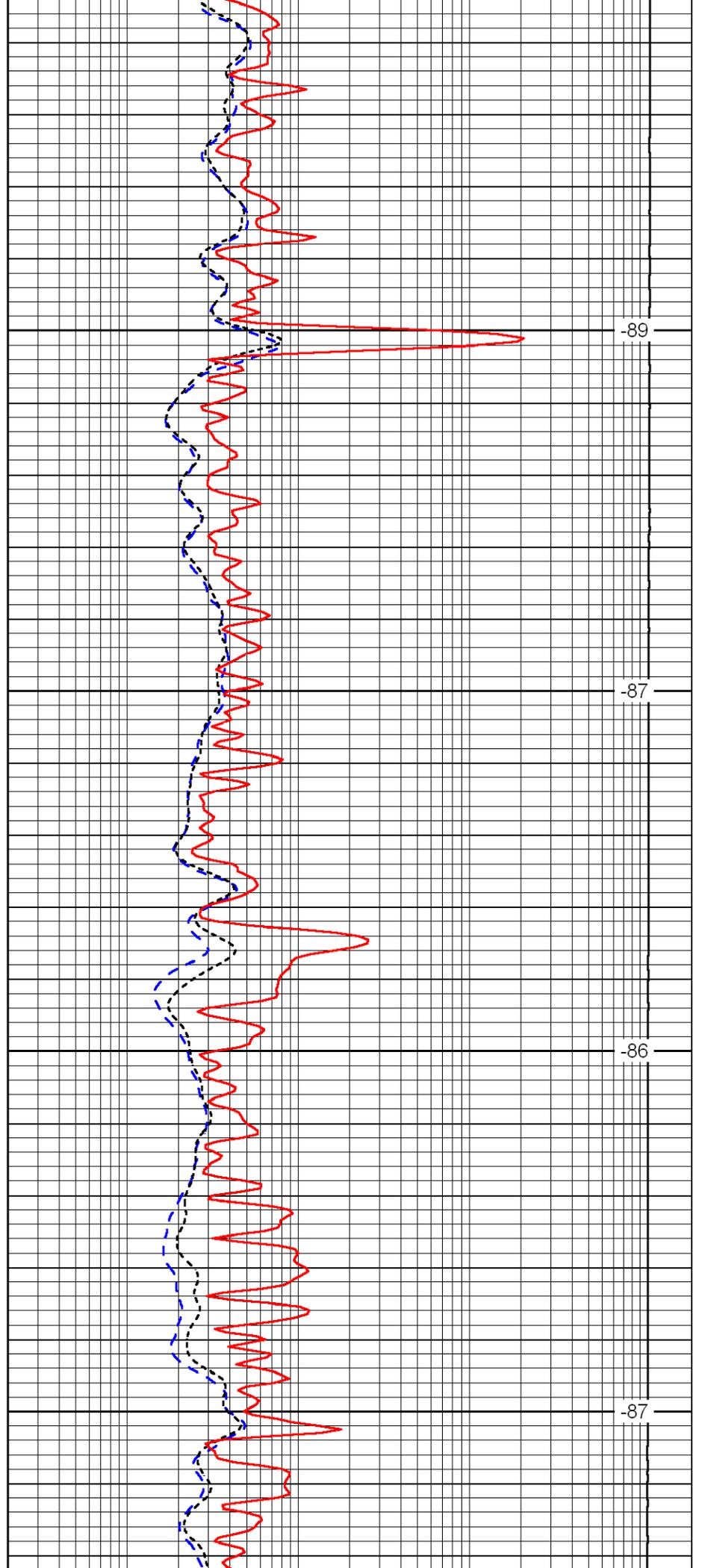


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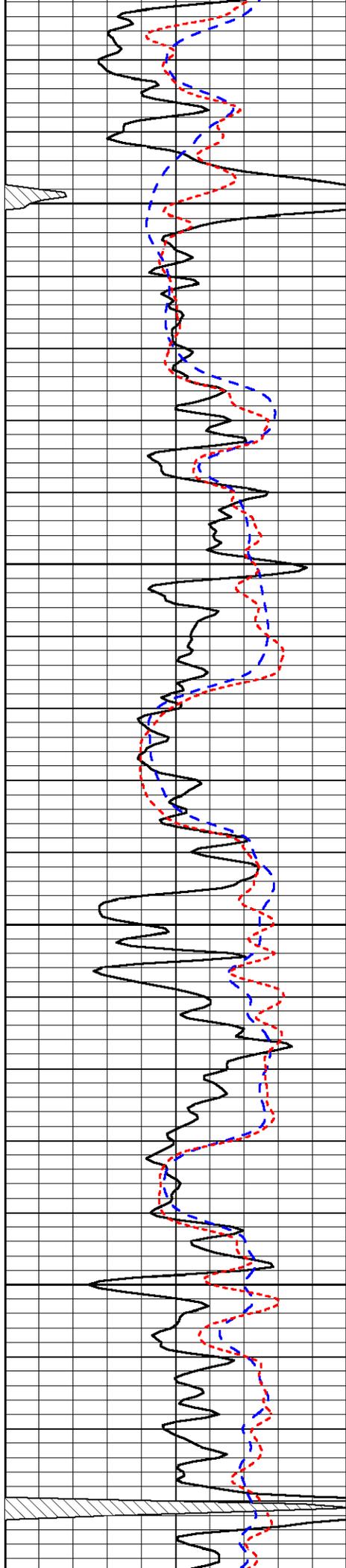


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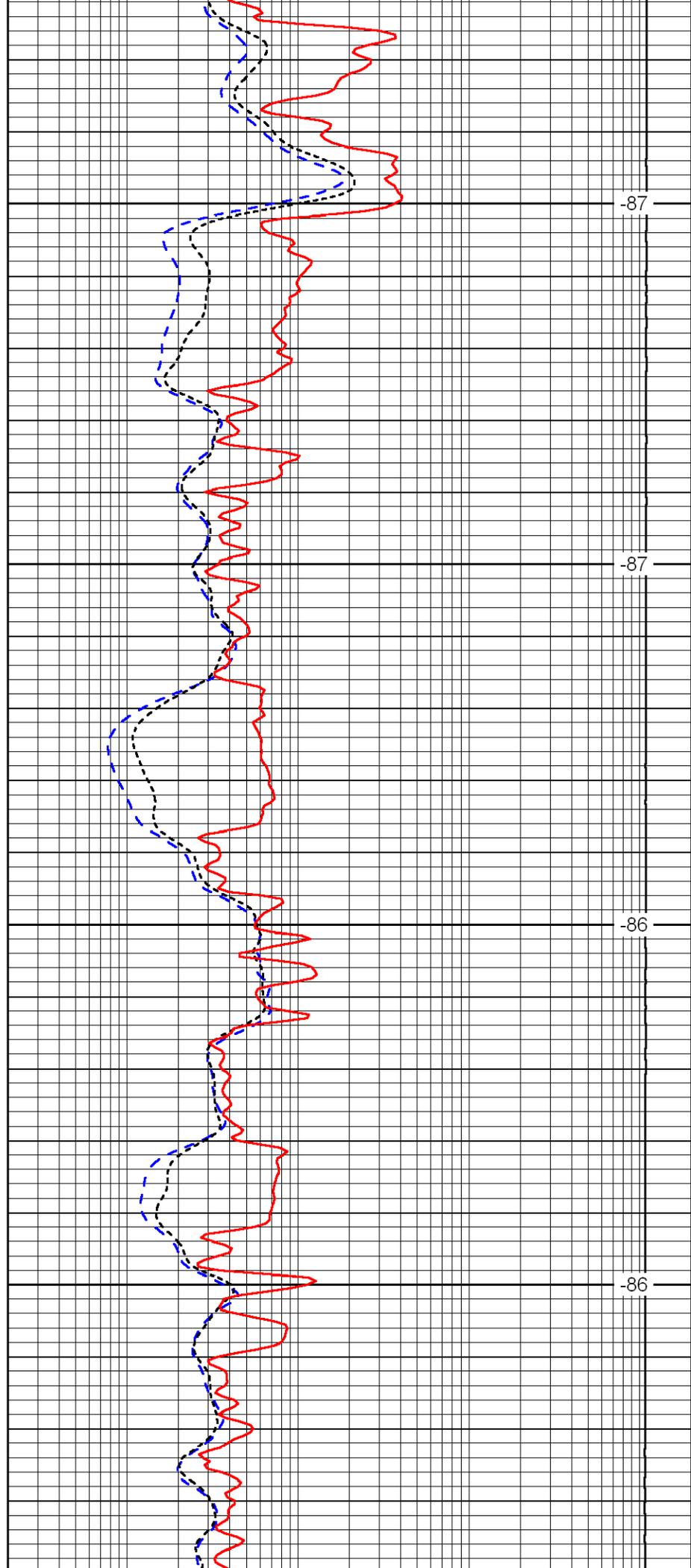


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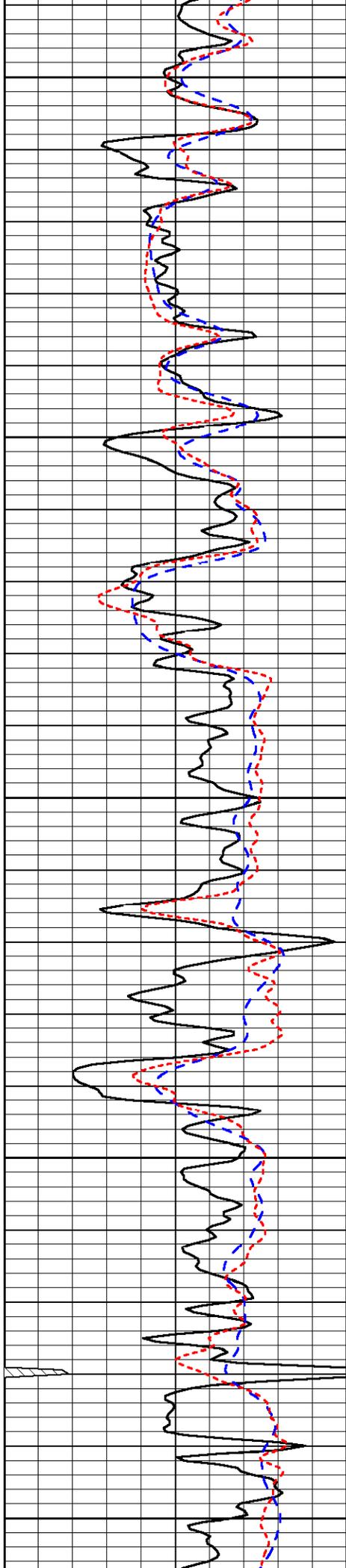


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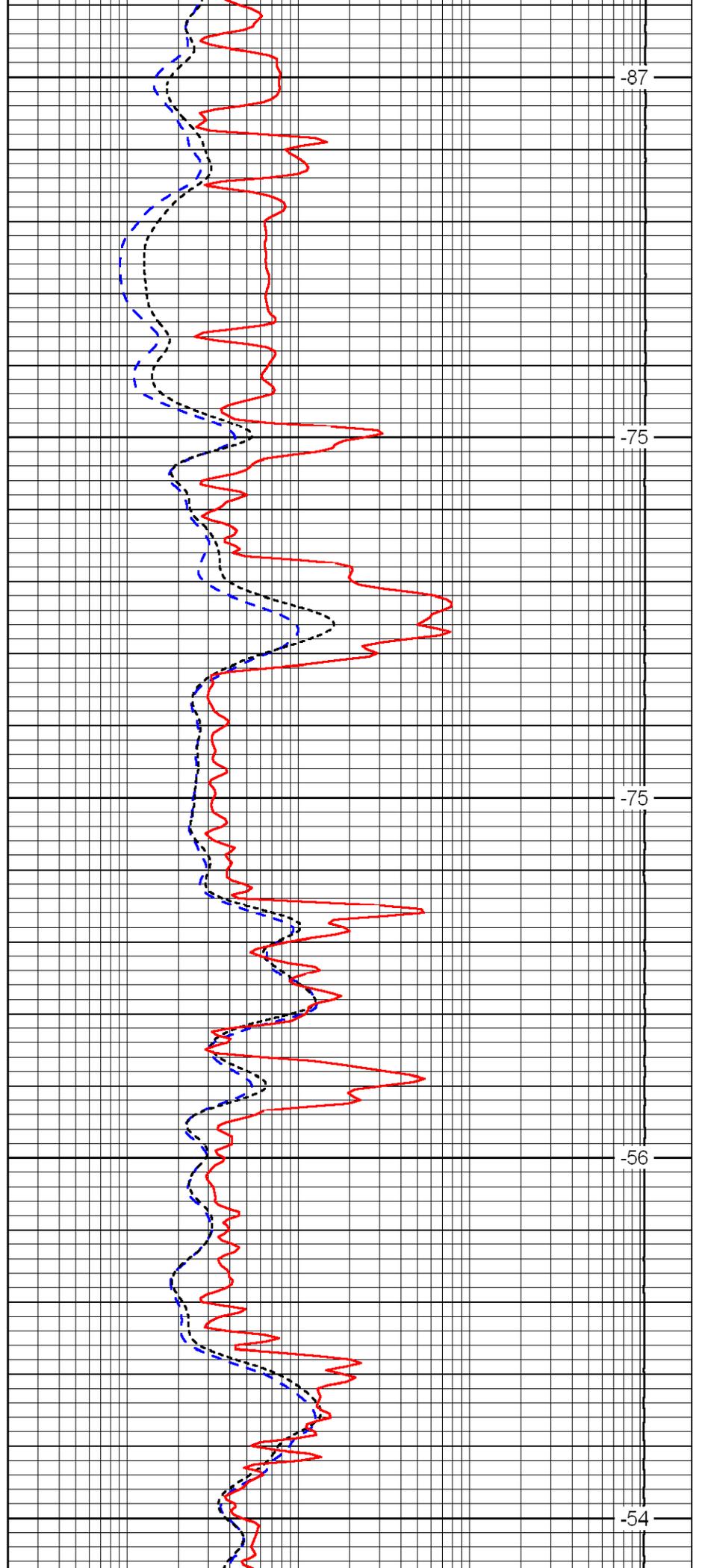
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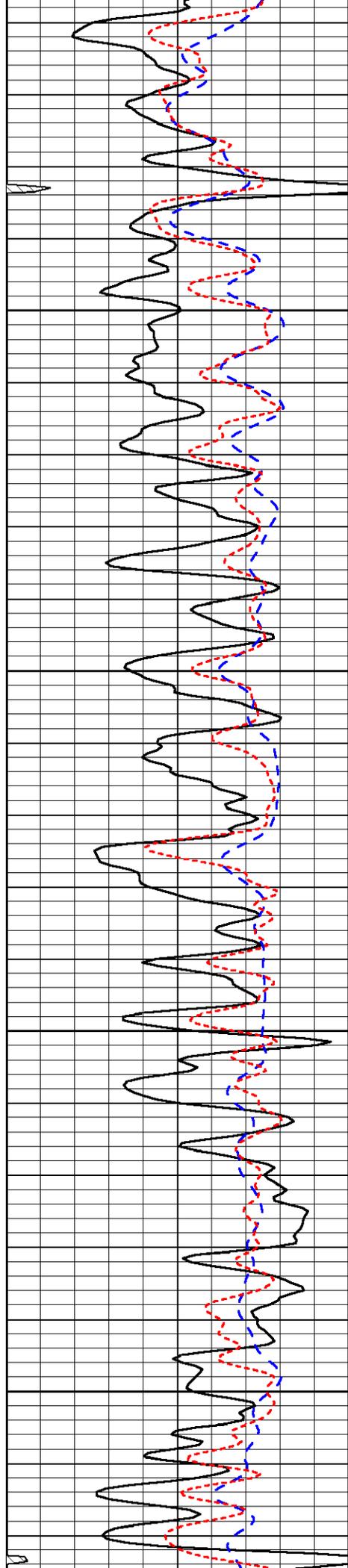
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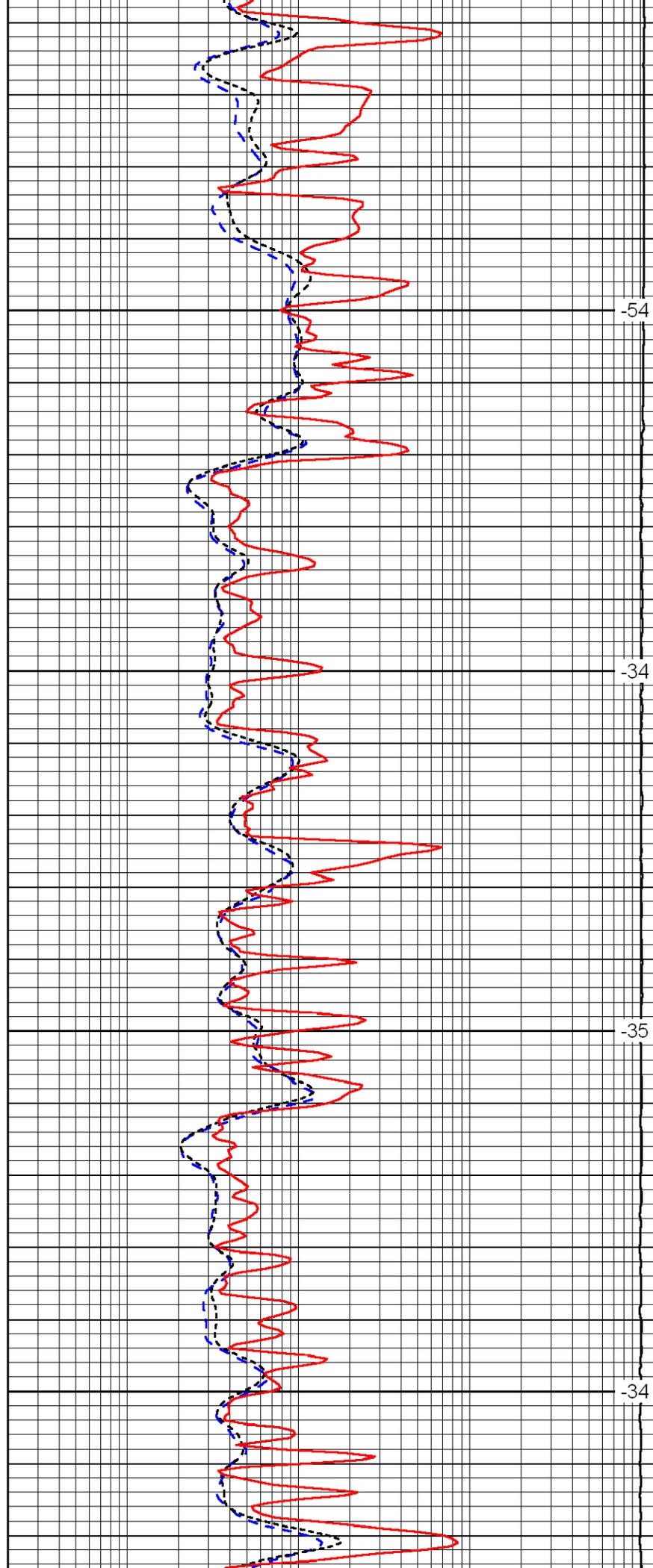


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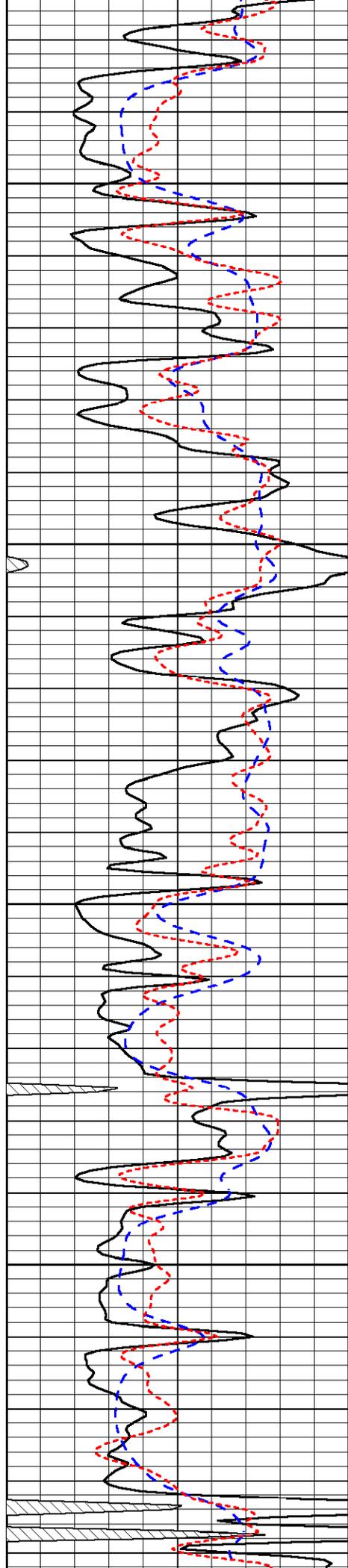


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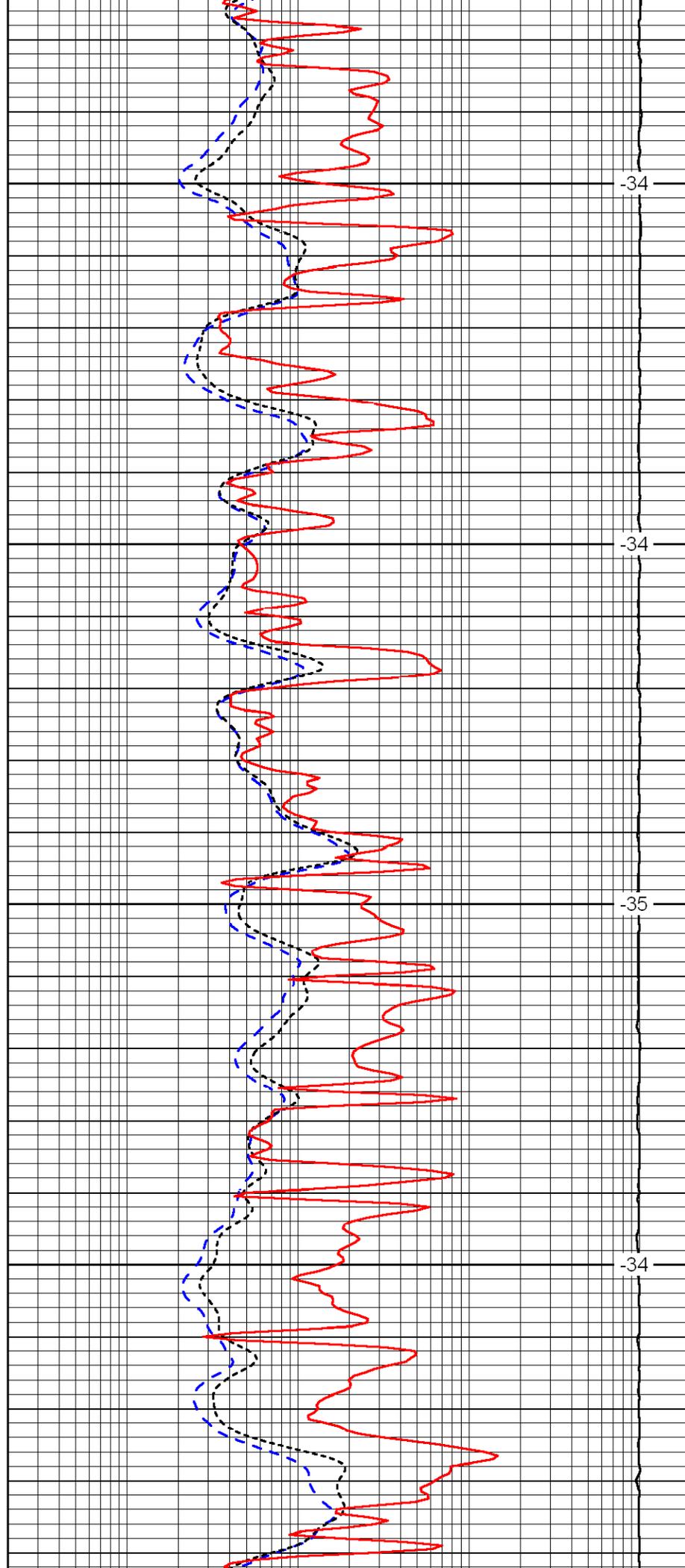


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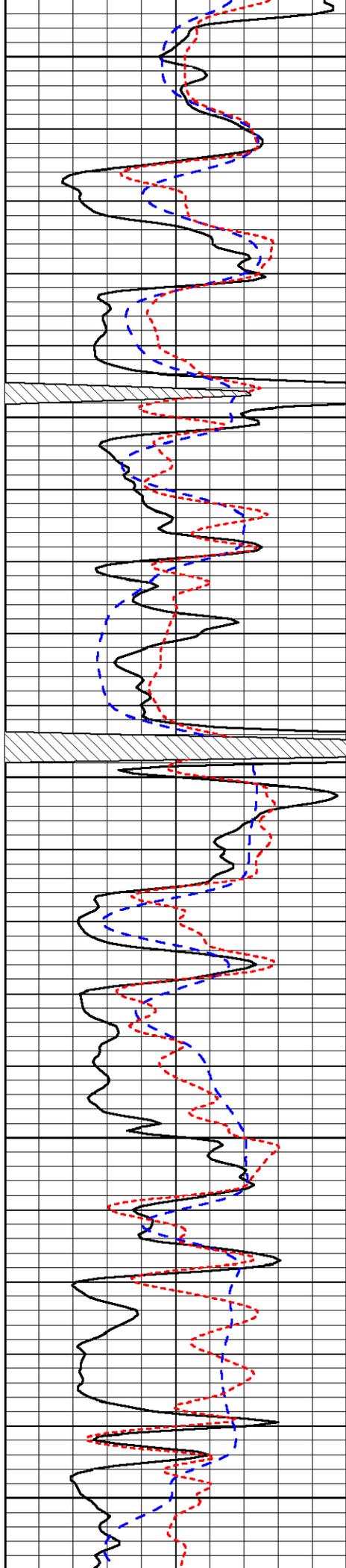


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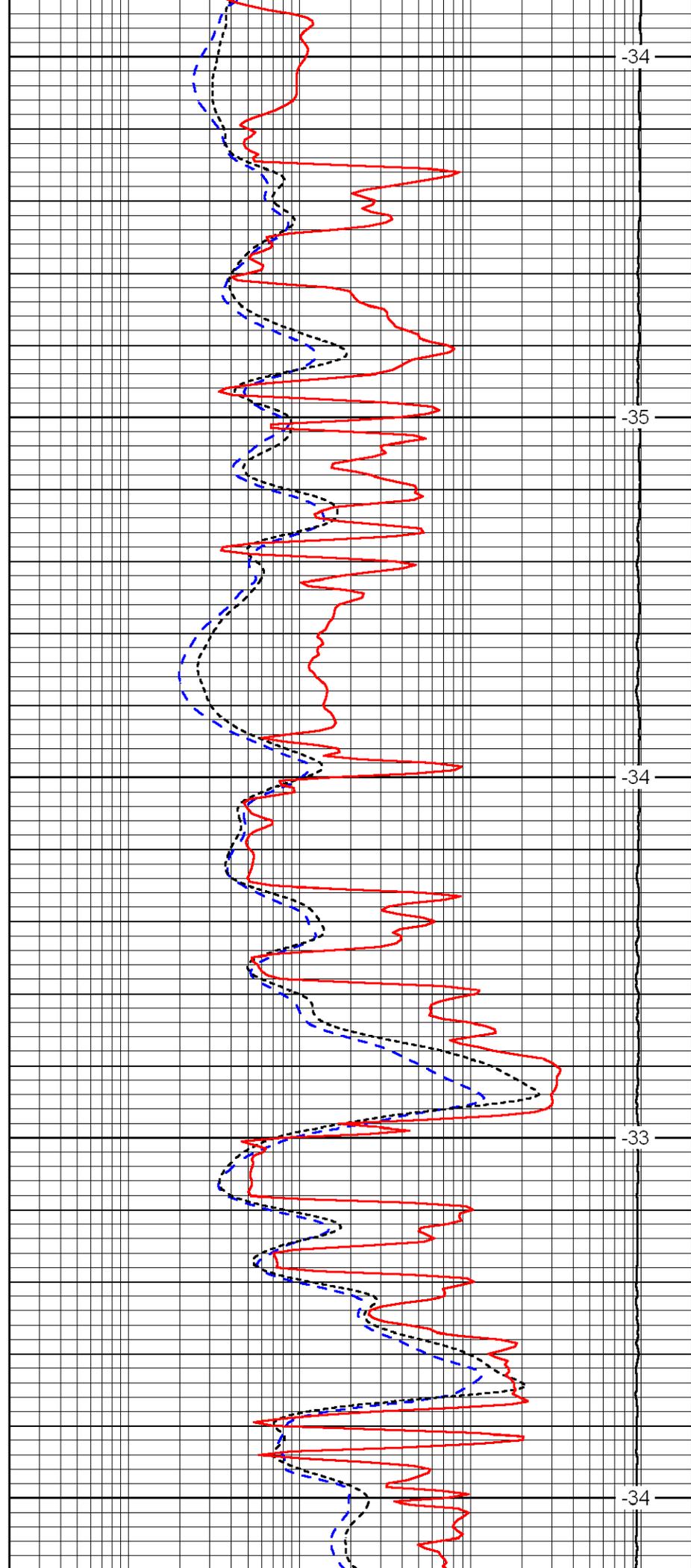
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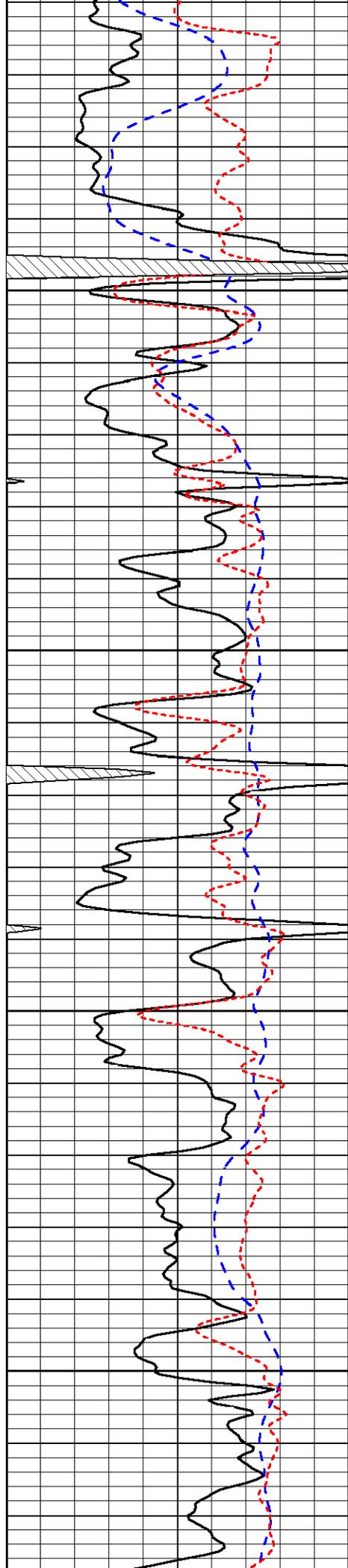
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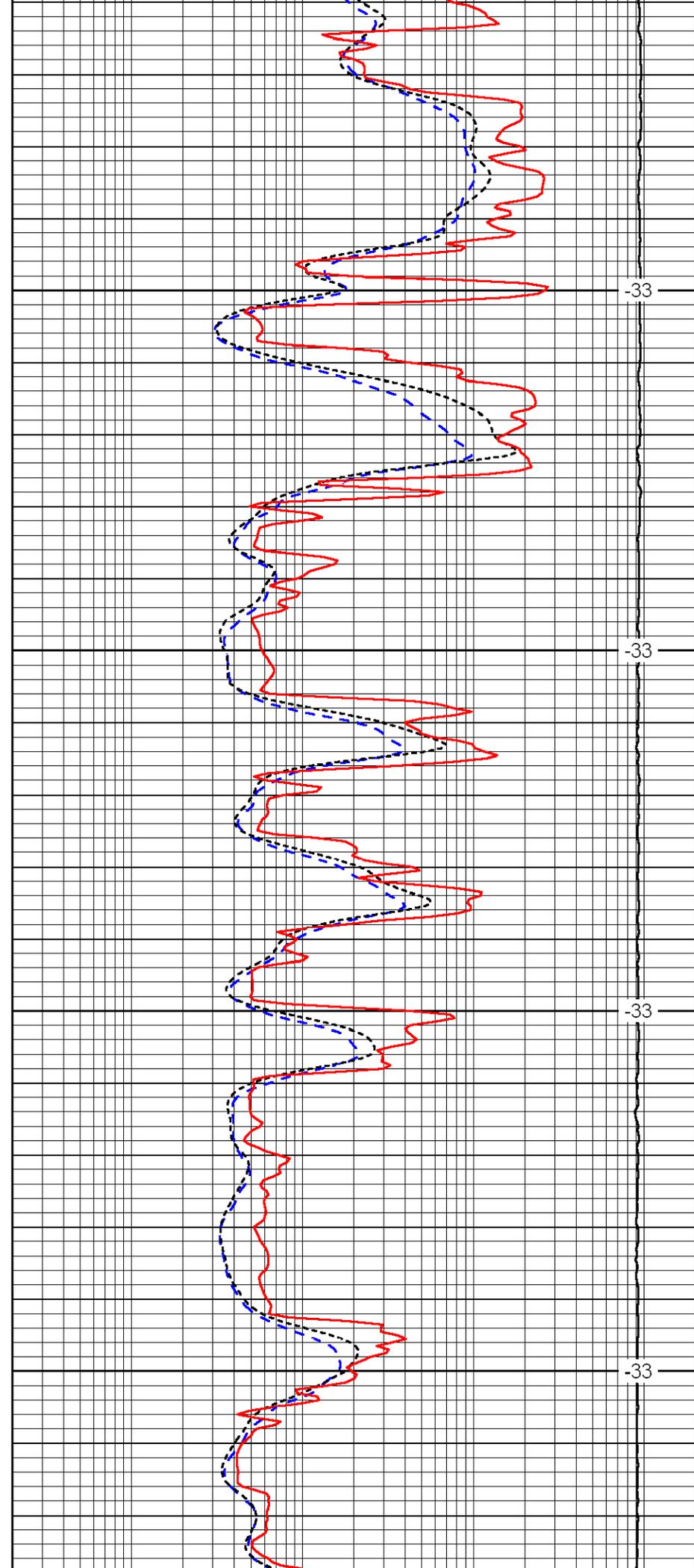


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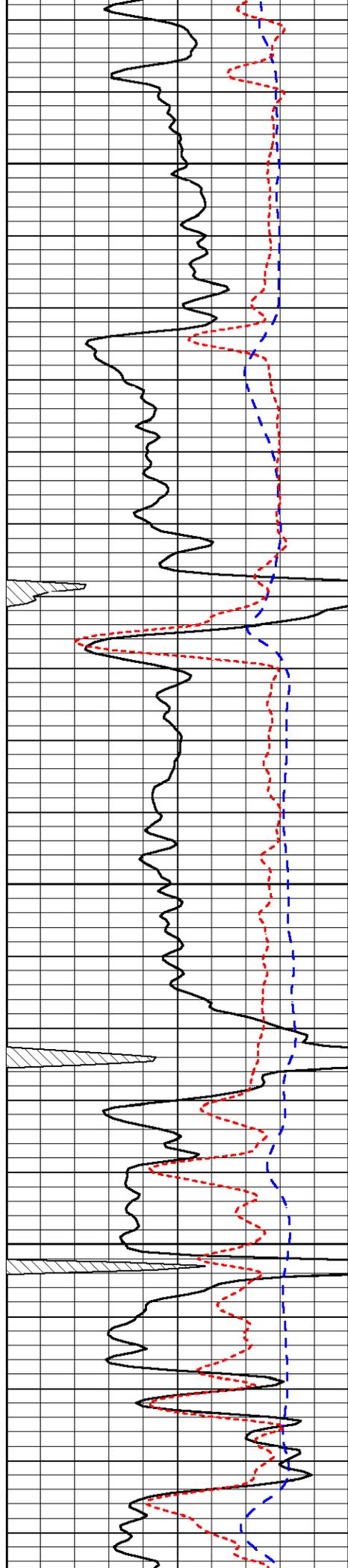


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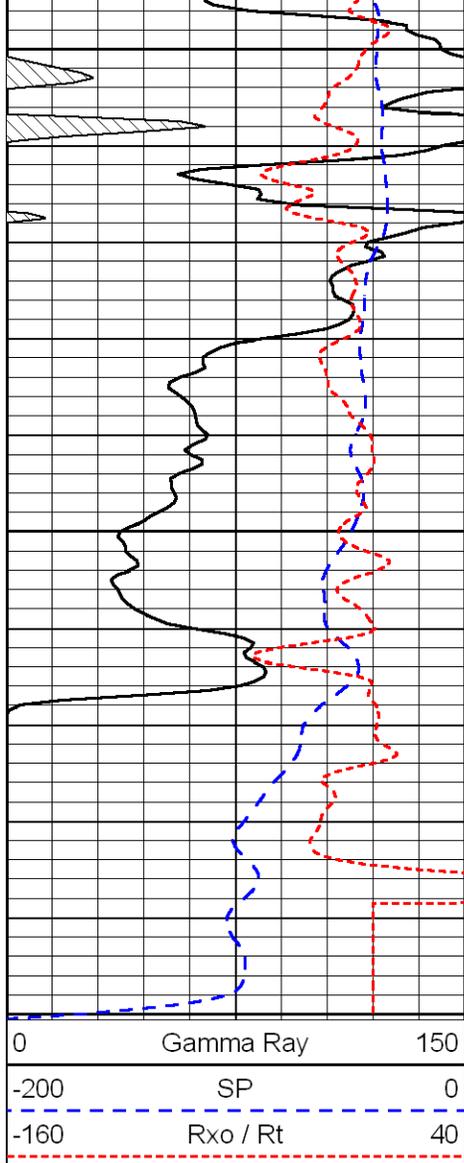
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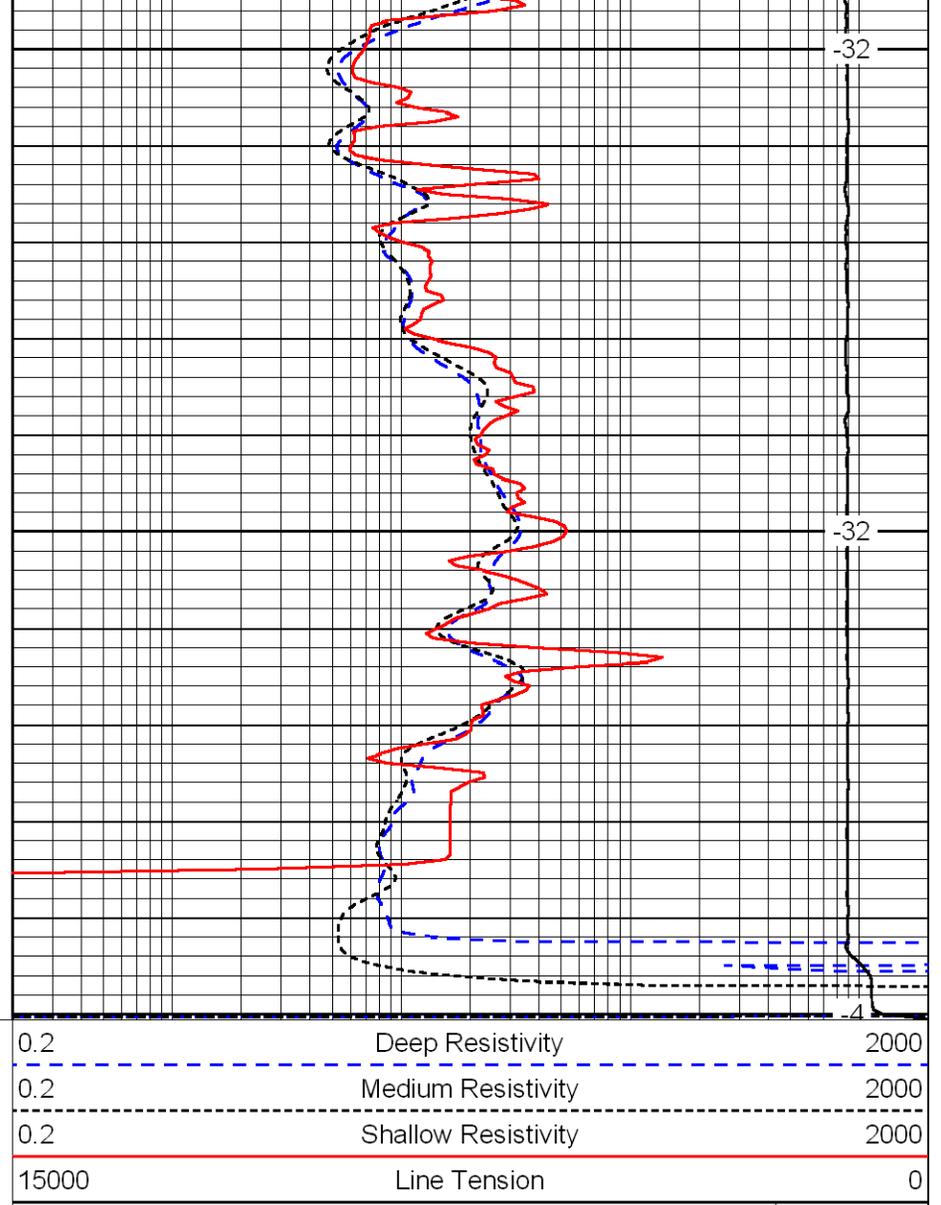
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LSPD