



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	Company Murfin Drilling Company, Inc.		
	Well Hartman No.1-32		
	Field Wildcat		
	County Ford	State	Kansas
15-057-20,684-00-00	Location	SE SW SE 330' FSL & 1650' FEL	Other Services CNL/CDL MEL/BHCS
	Sec: 32	Twp: 27S	Rge: 25W
Permanent Datum	Ground Level	Elevation 2644	
Log Measured From	Kelly Bushing	11 Ft. Above Perm. Datum	K.B. 2655
Drilling Measured From	Kelly Bushing		D.F. 2644
			G.L. 2644
Date	6/4/2010		
Run Number	One		
Depth Driller	5375		
Depth Logger	5377		
Bottom Logged Interval	5376		
Top Log Interval	0		
Casing Driller	8.625 @ 417		
Casing Logger	415		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	4.000		
Density / Viscosity	9.3 45		
pH / Fluid Loss	9.0 7.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	.7 @ 72		
Rmf @ Meas. Temp	.53 @ 72		
Rmc @ Meas. Temp	.95 @ 72		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.39 @ 130		
Operating Rig Time	5 Hours		
Max Rec. Temp. F	130		
Equipment Number	15		
Location	Hays		
Recorded By	C. Desaire		
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.

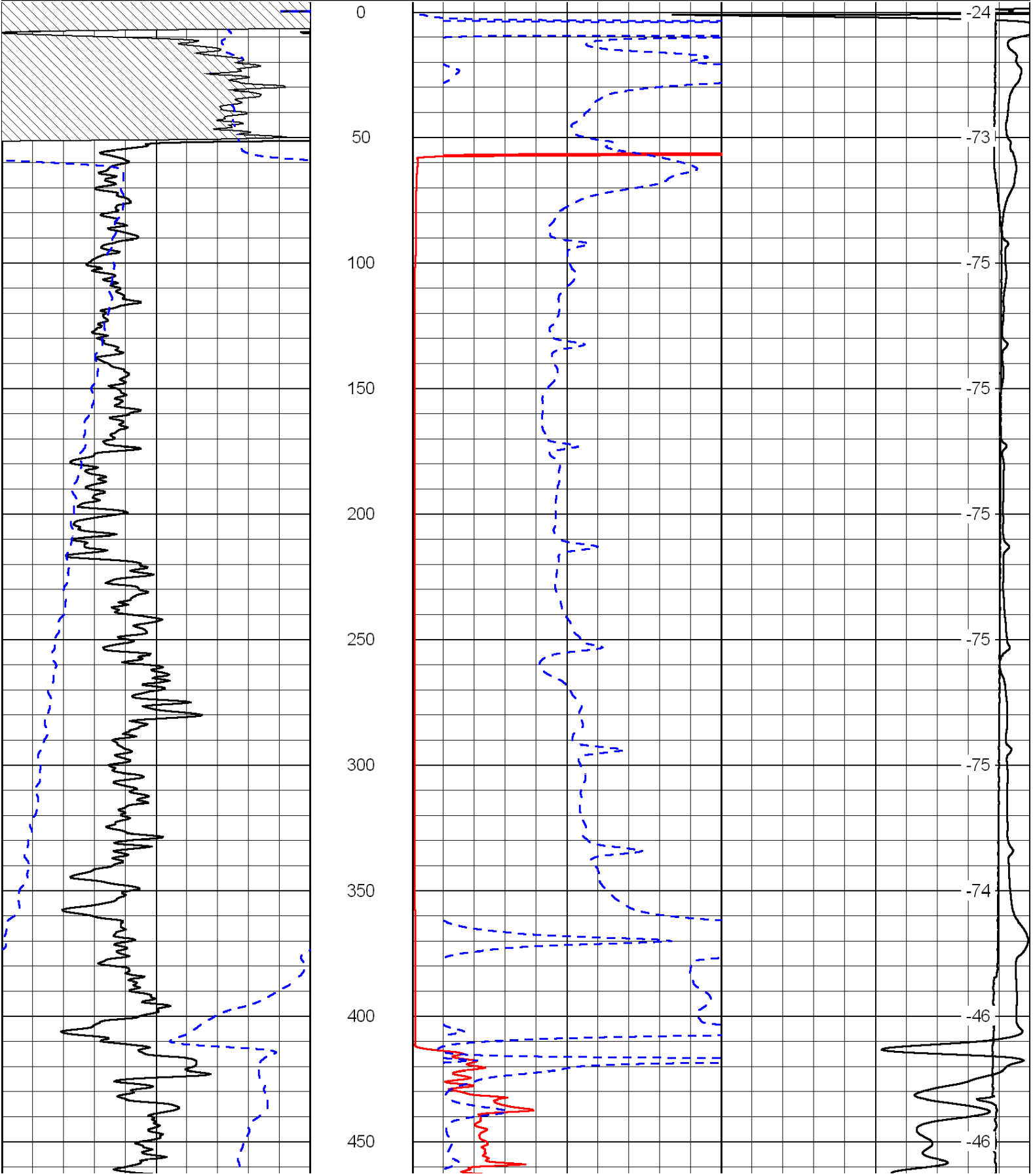
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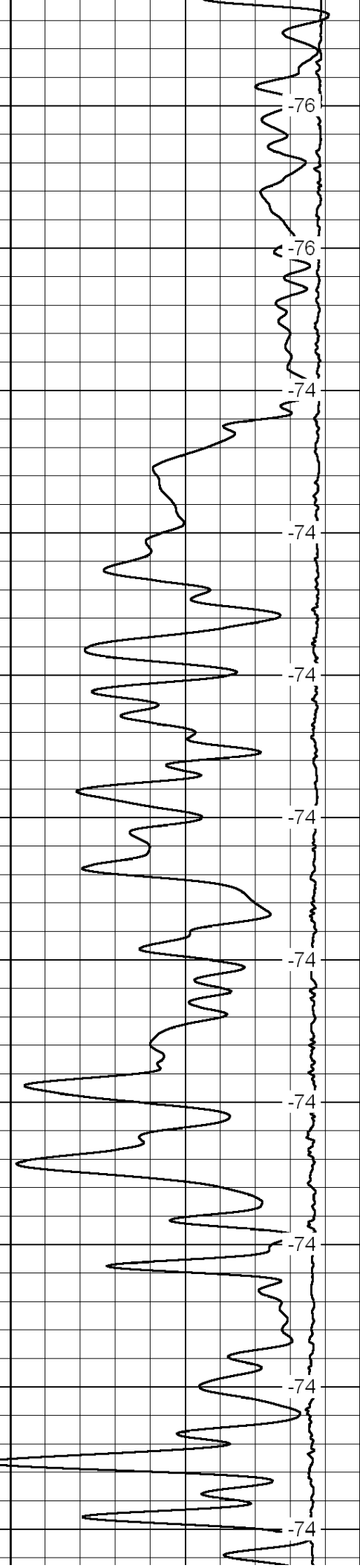
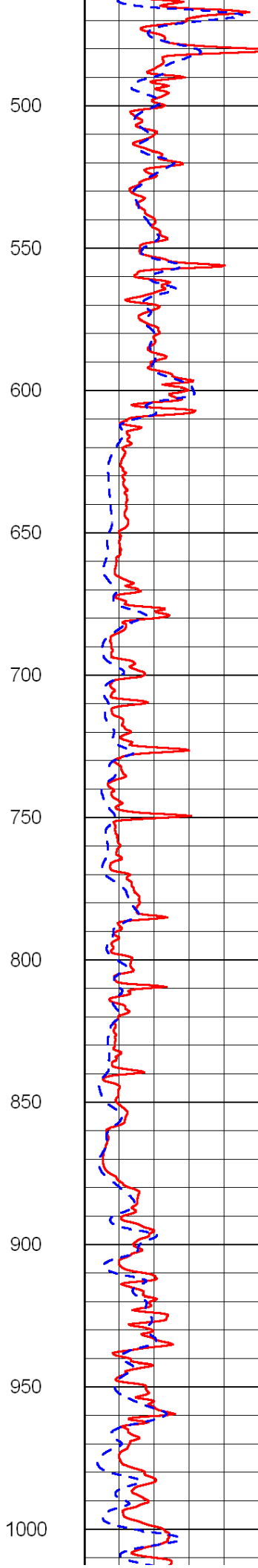
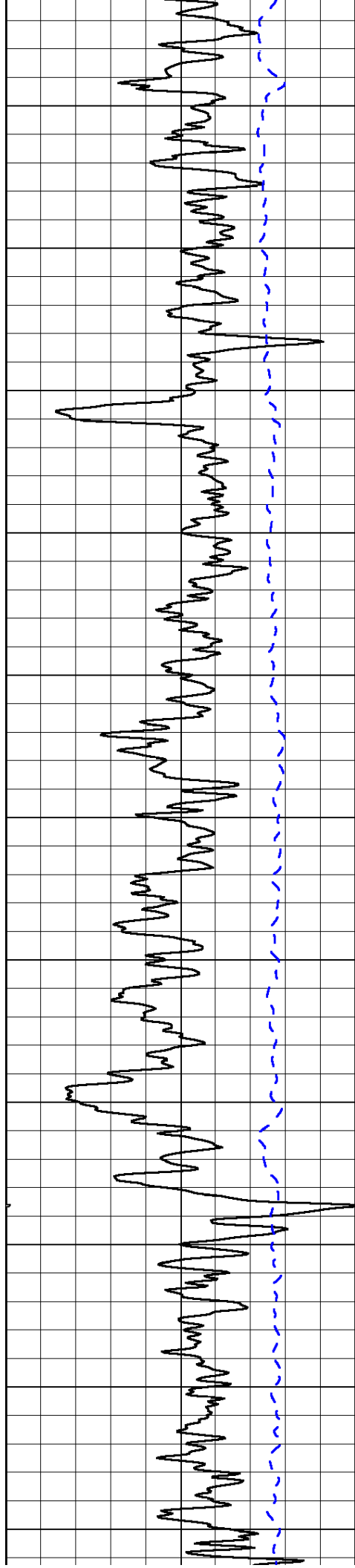
Thank you for using Log-Tech, Inc.
(785) 625-3858

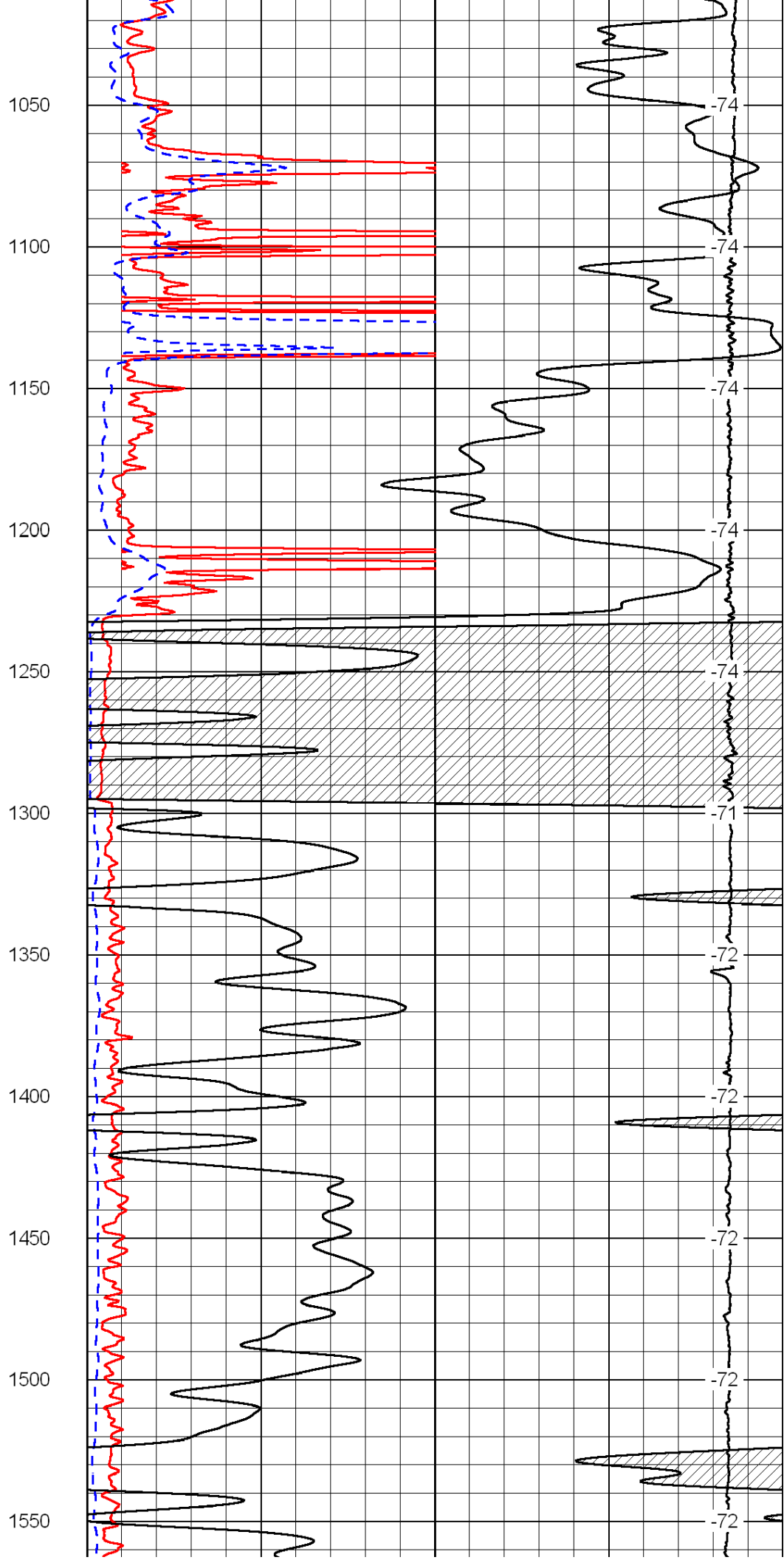
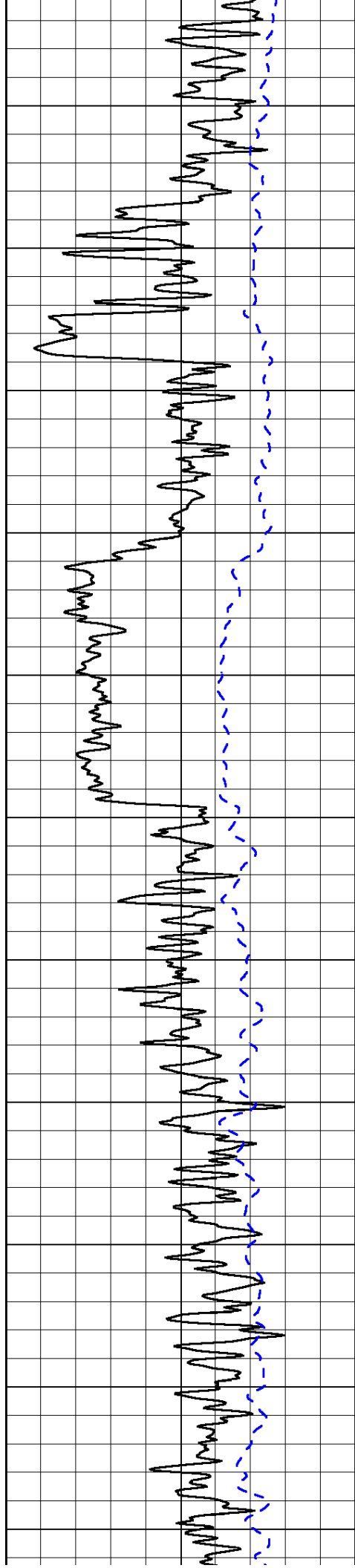
Dodge City, 5 S, 3 W, N Into

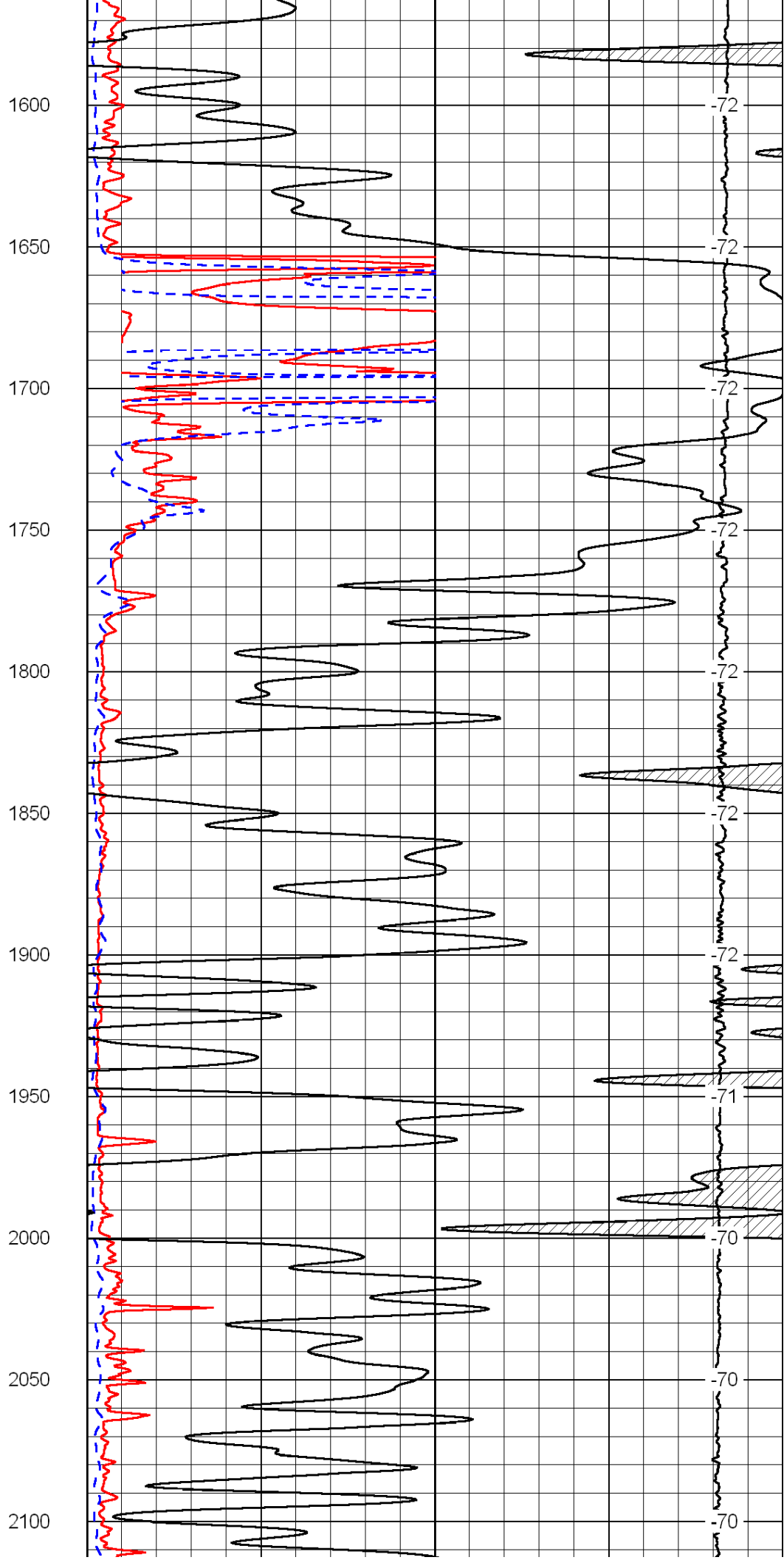
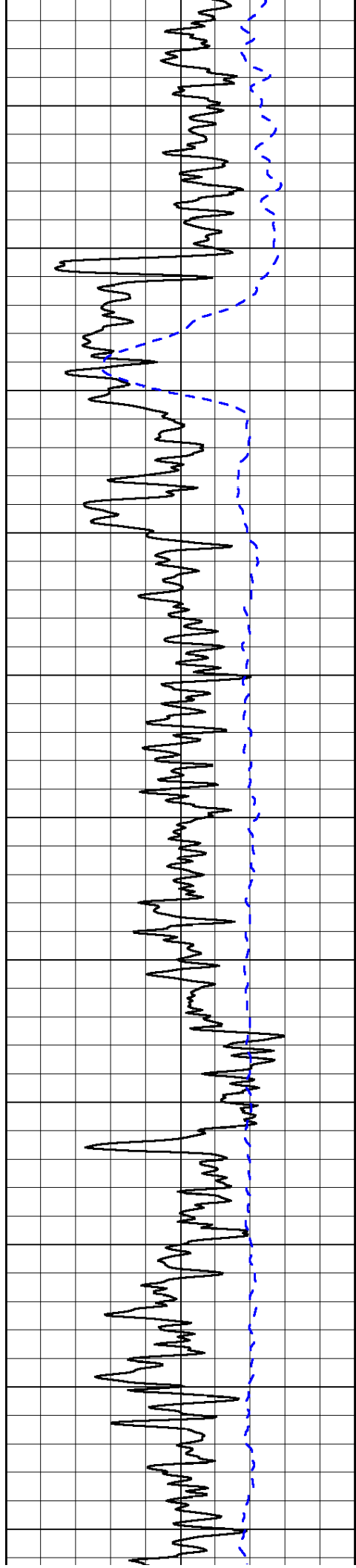
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Dataset Pathname: dil\murfstk
Presentation Format: dil2in
Dataset Creation: Fri Jun 04 08:56:40 2010
Charted by: Depth in Feet scaled 1:600

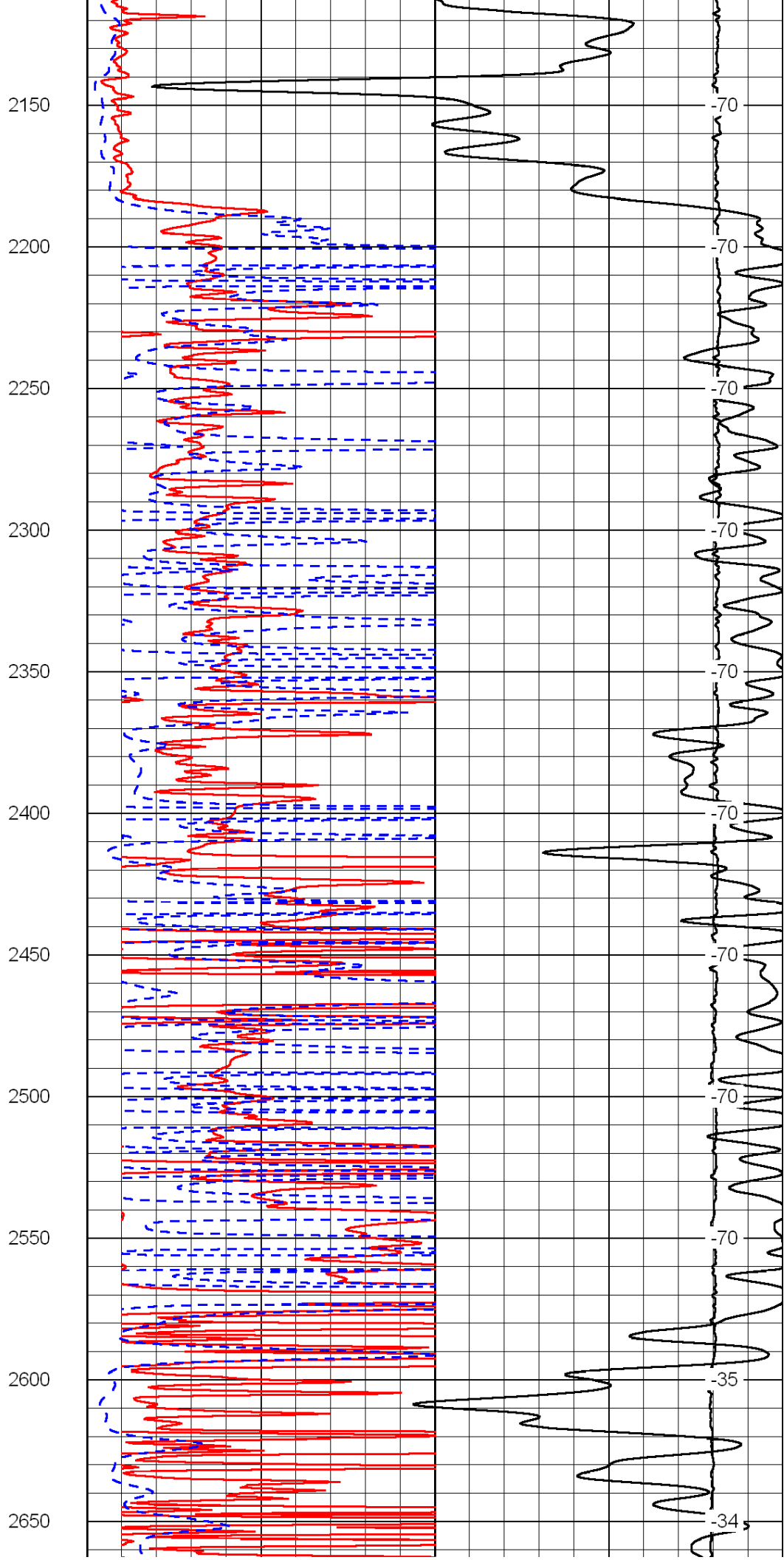
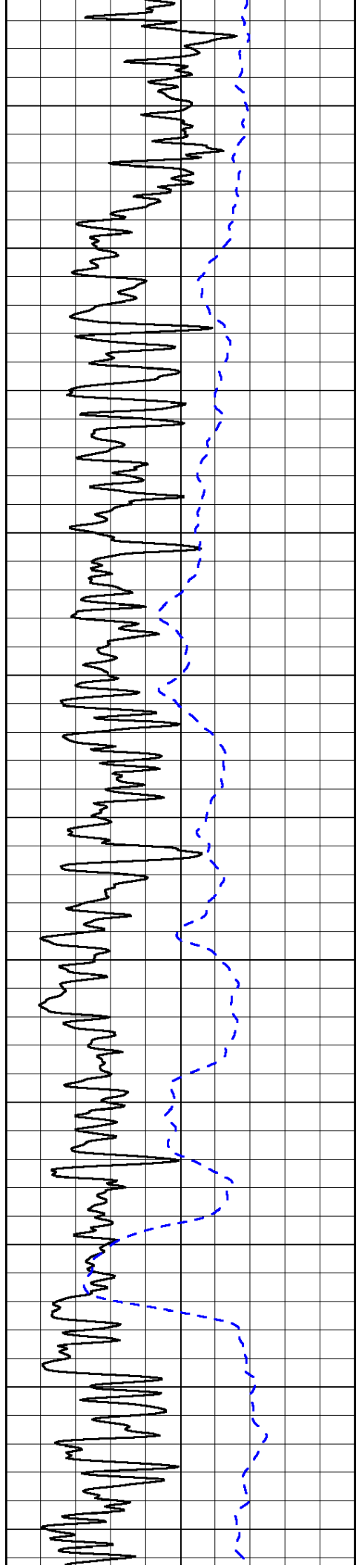
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-200	SP (mV)	0	0	Deep Resistivity	50			
			1000	Conductivity		0		
			15000	Line Tension		0		
			50	Shallow Resistivity	500			
			50	Deep Resistivity	500			

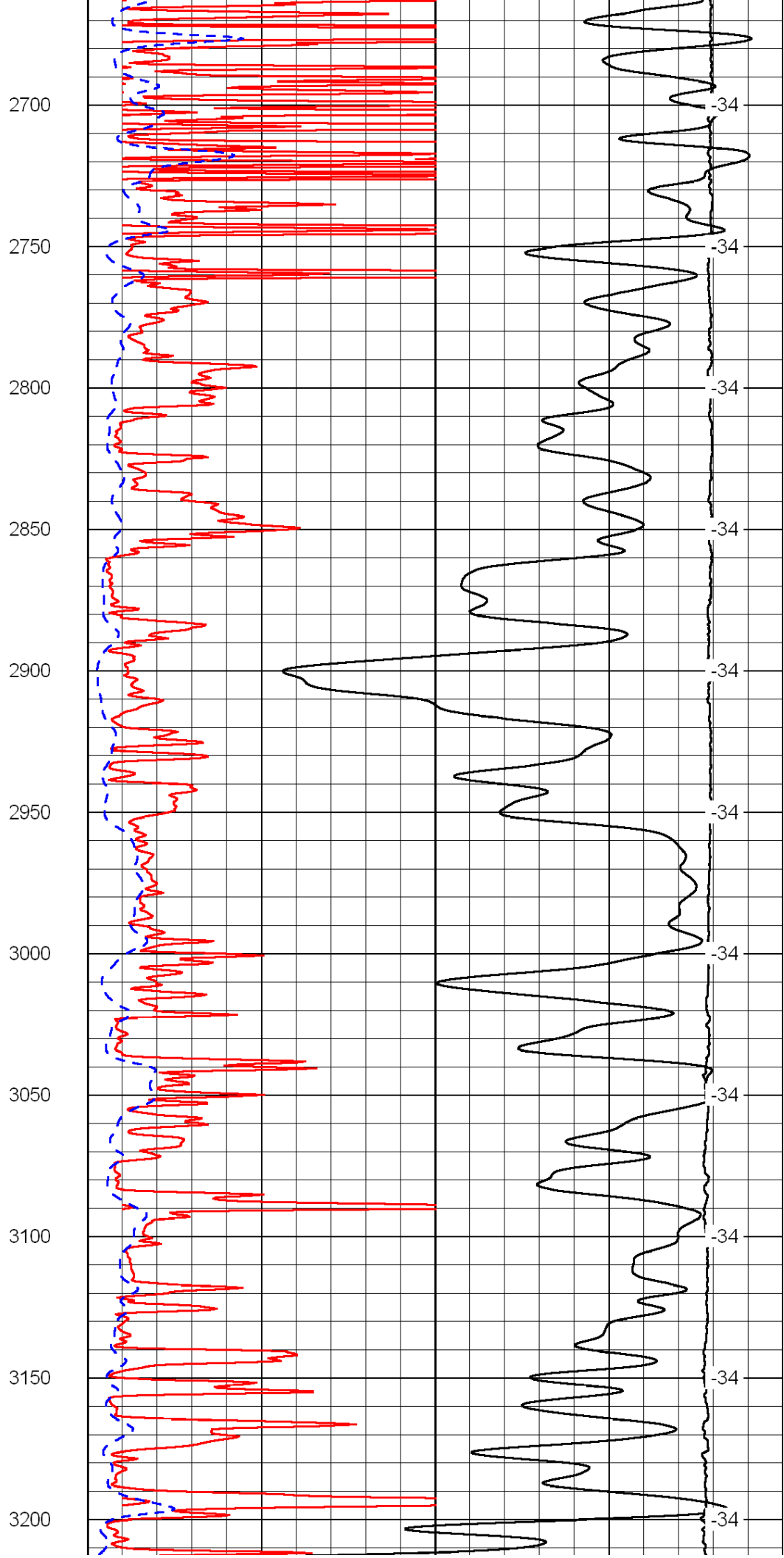
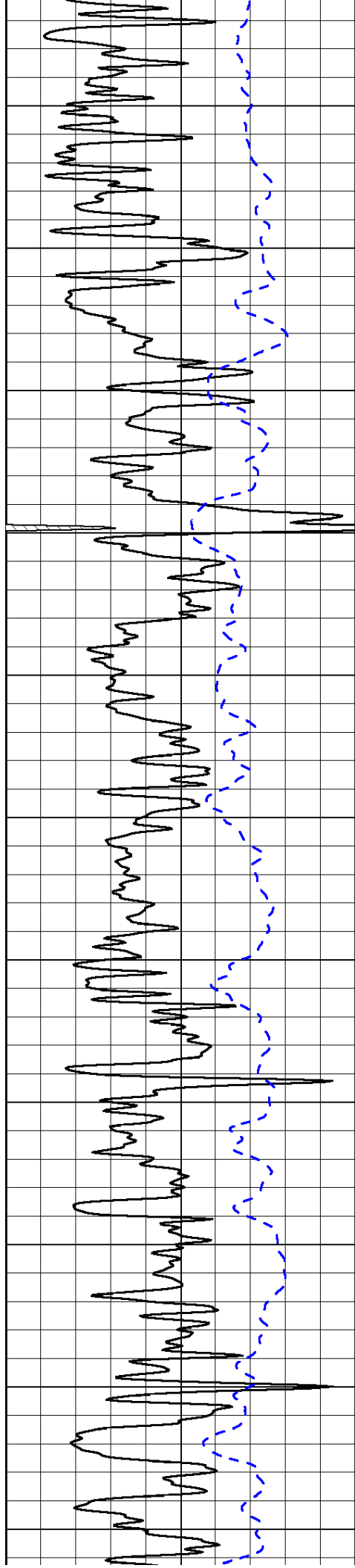


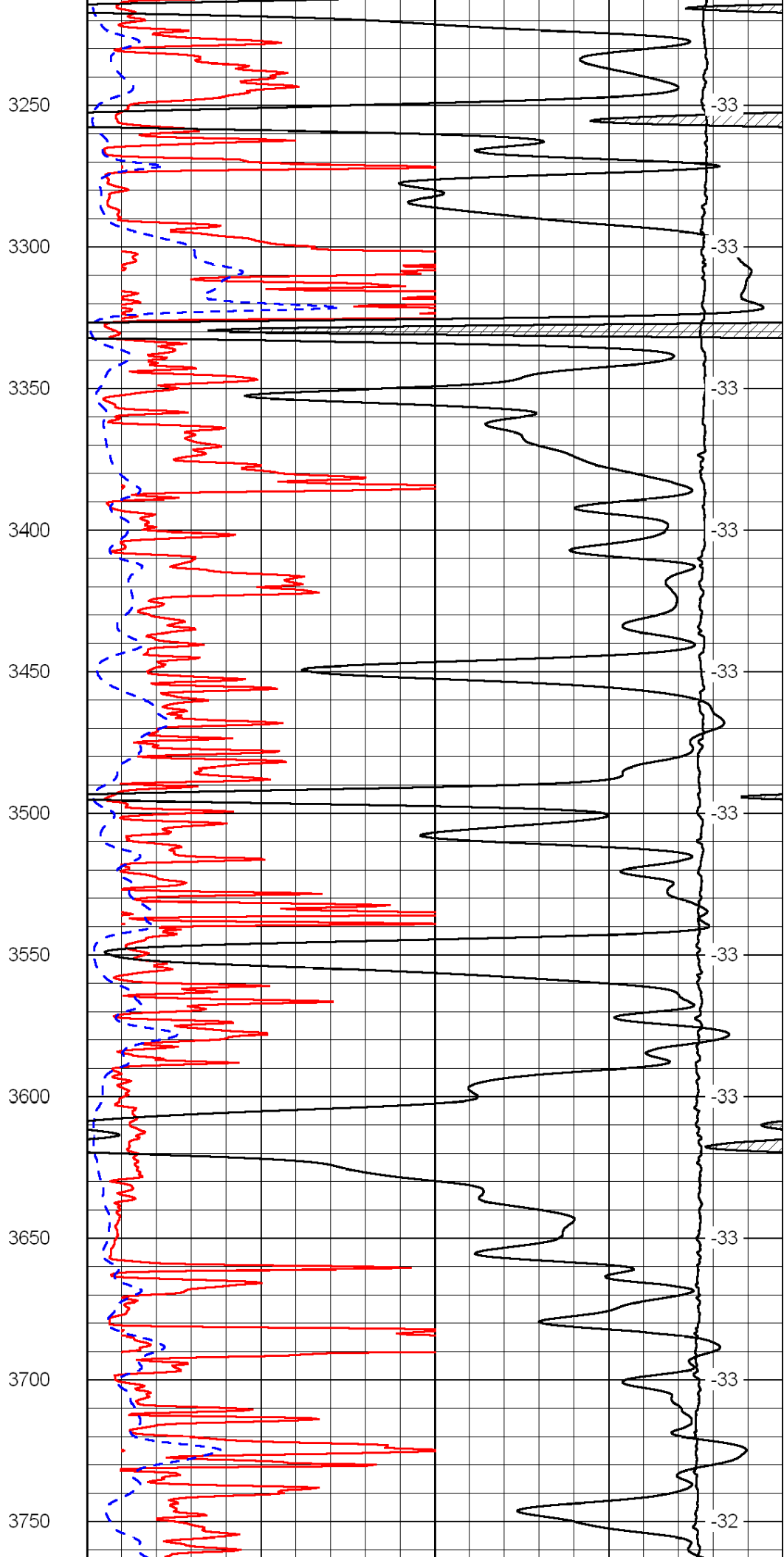
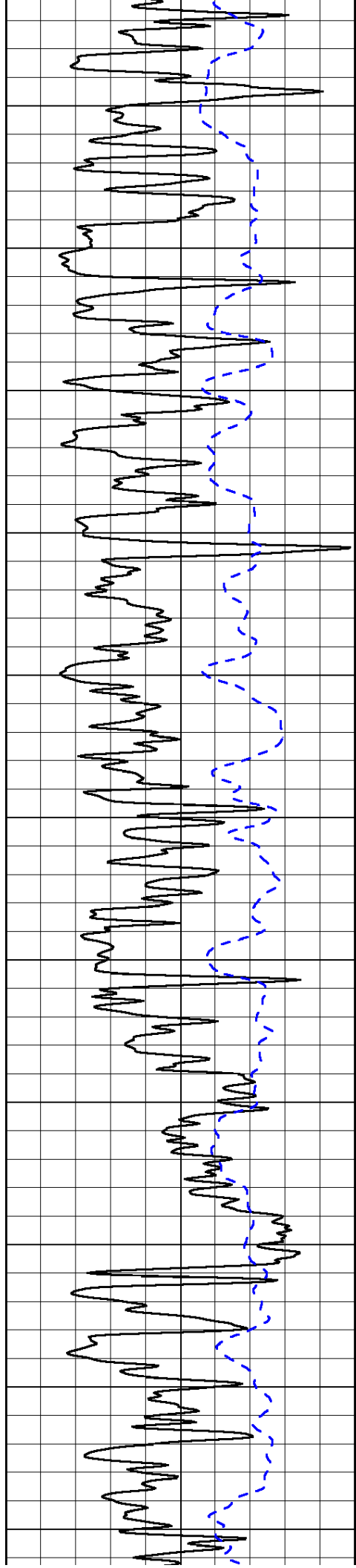


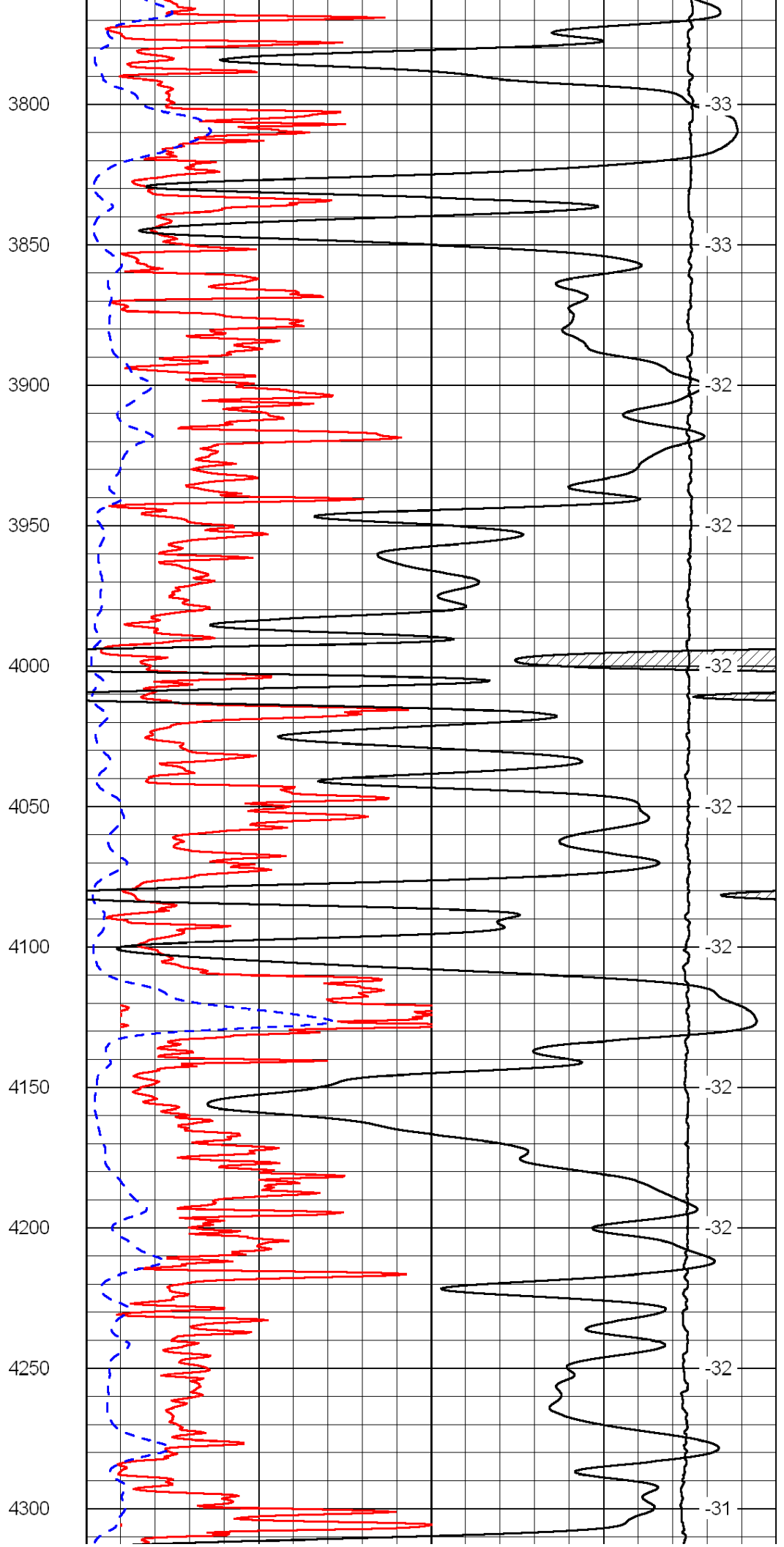
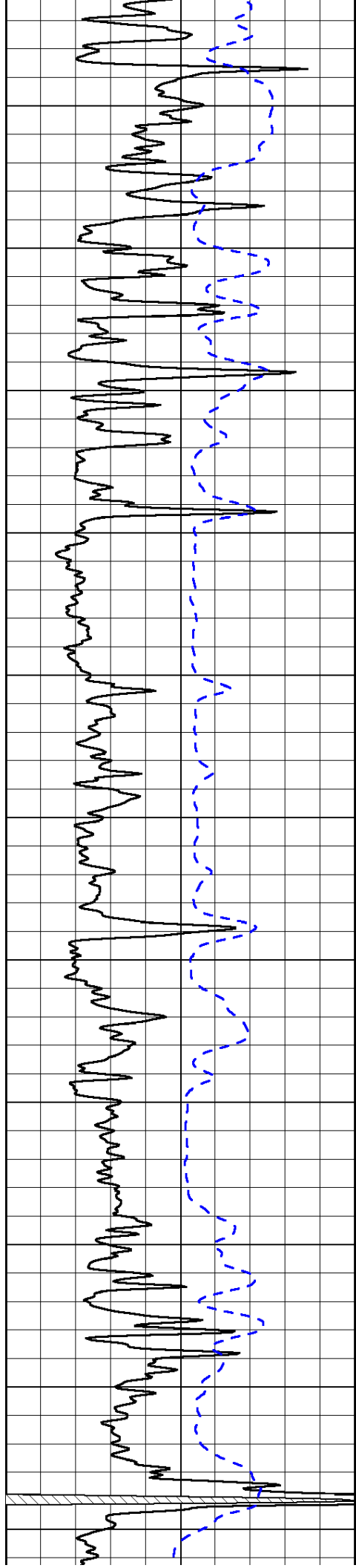


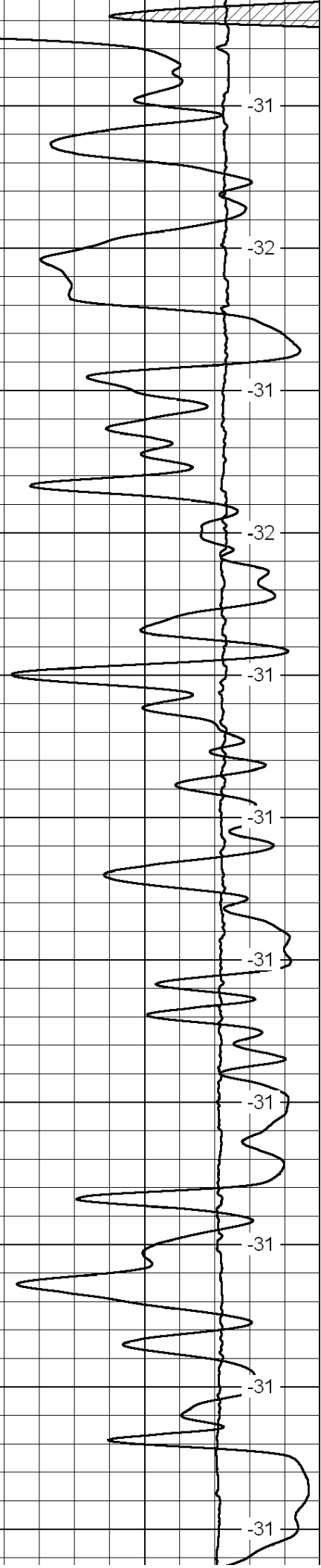
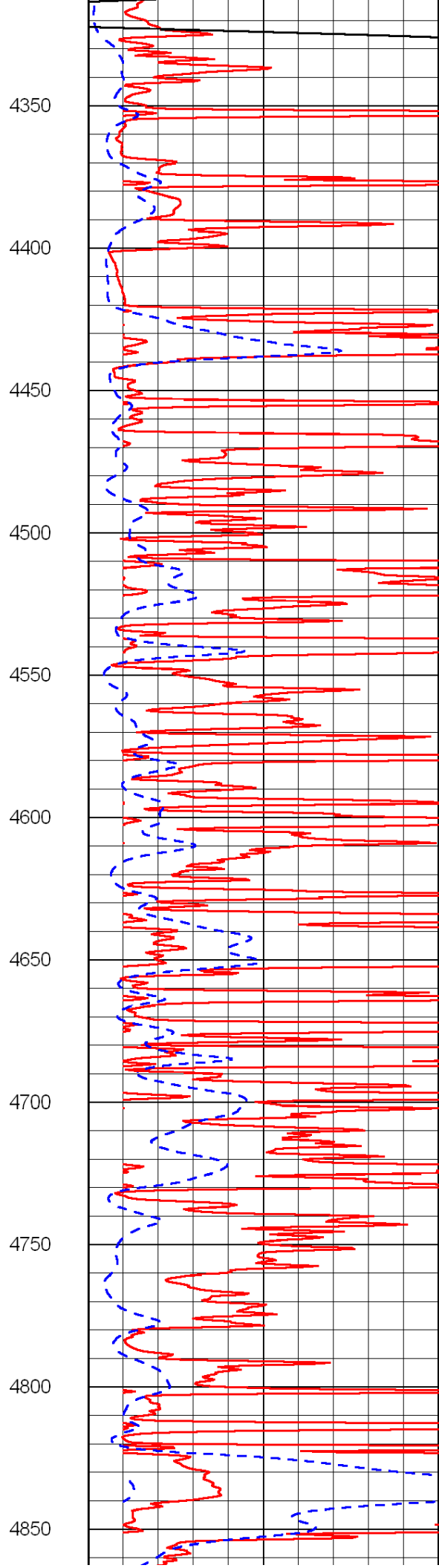
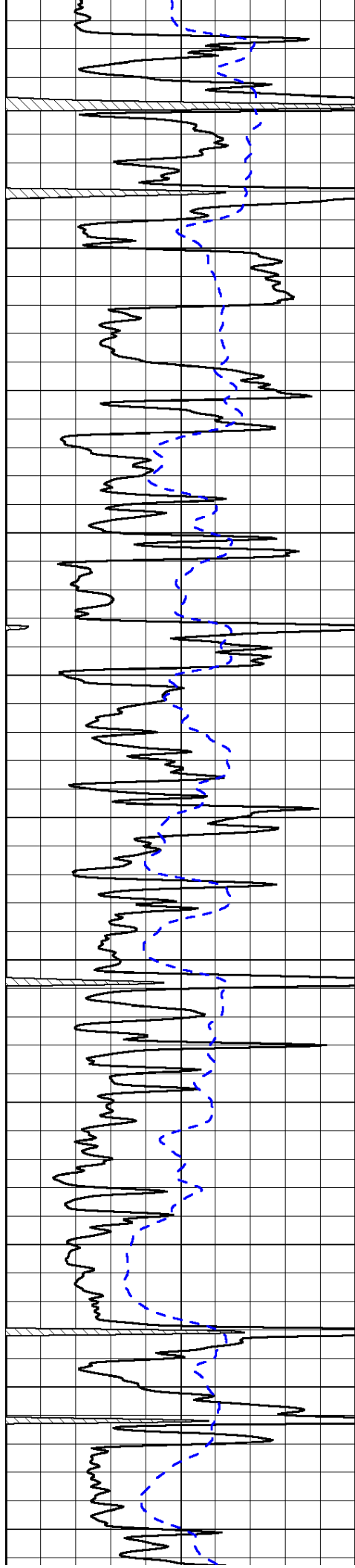


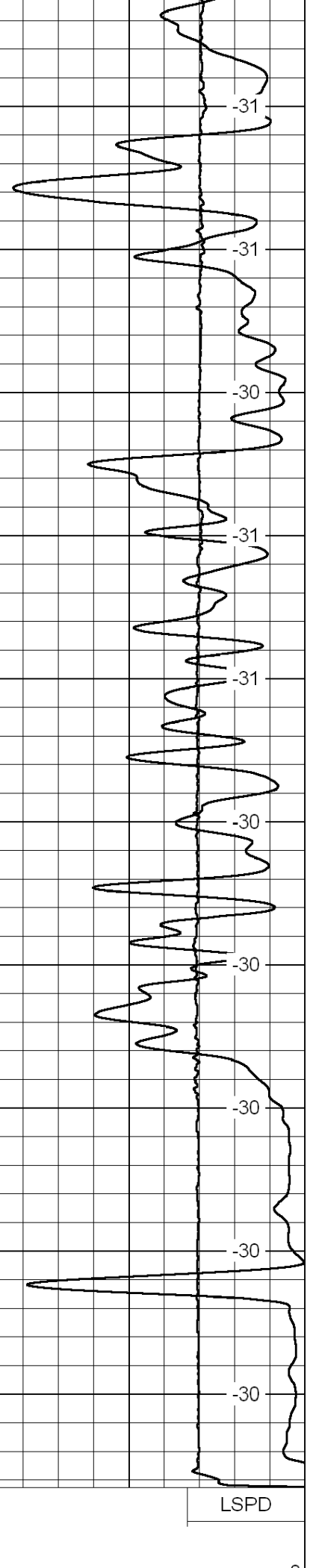
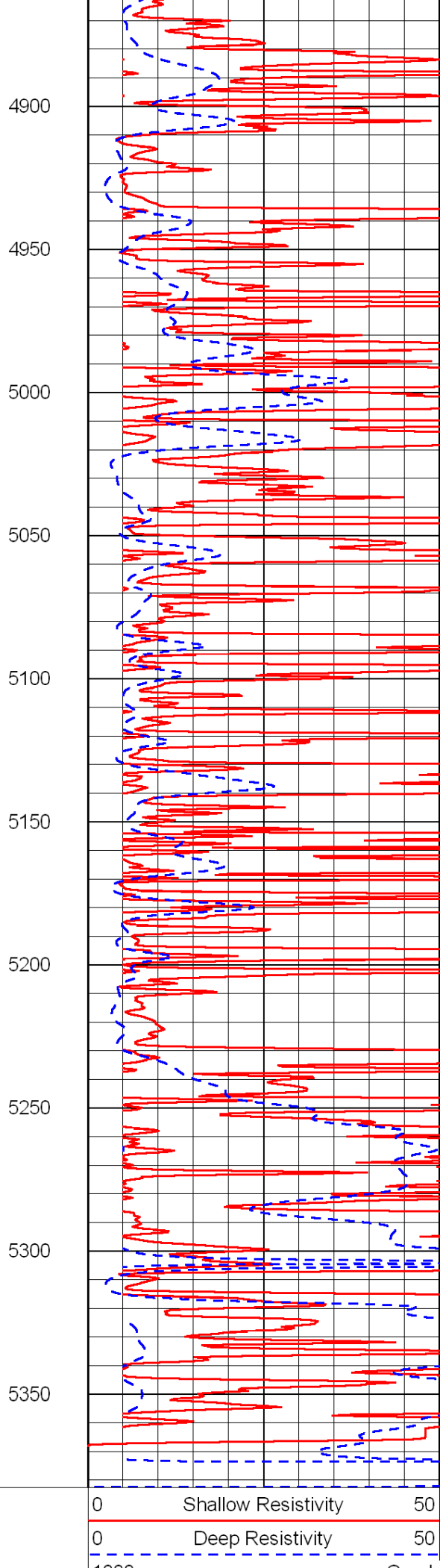
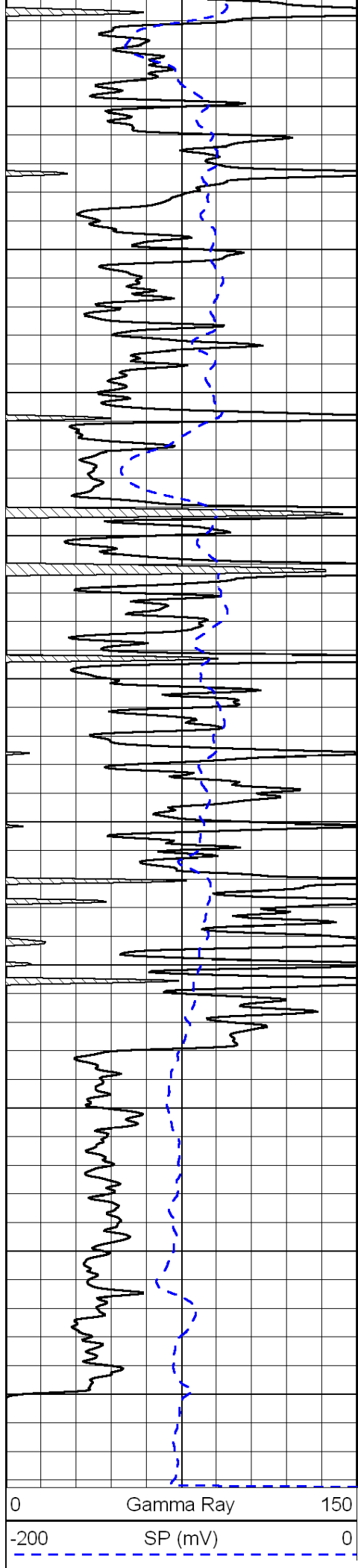








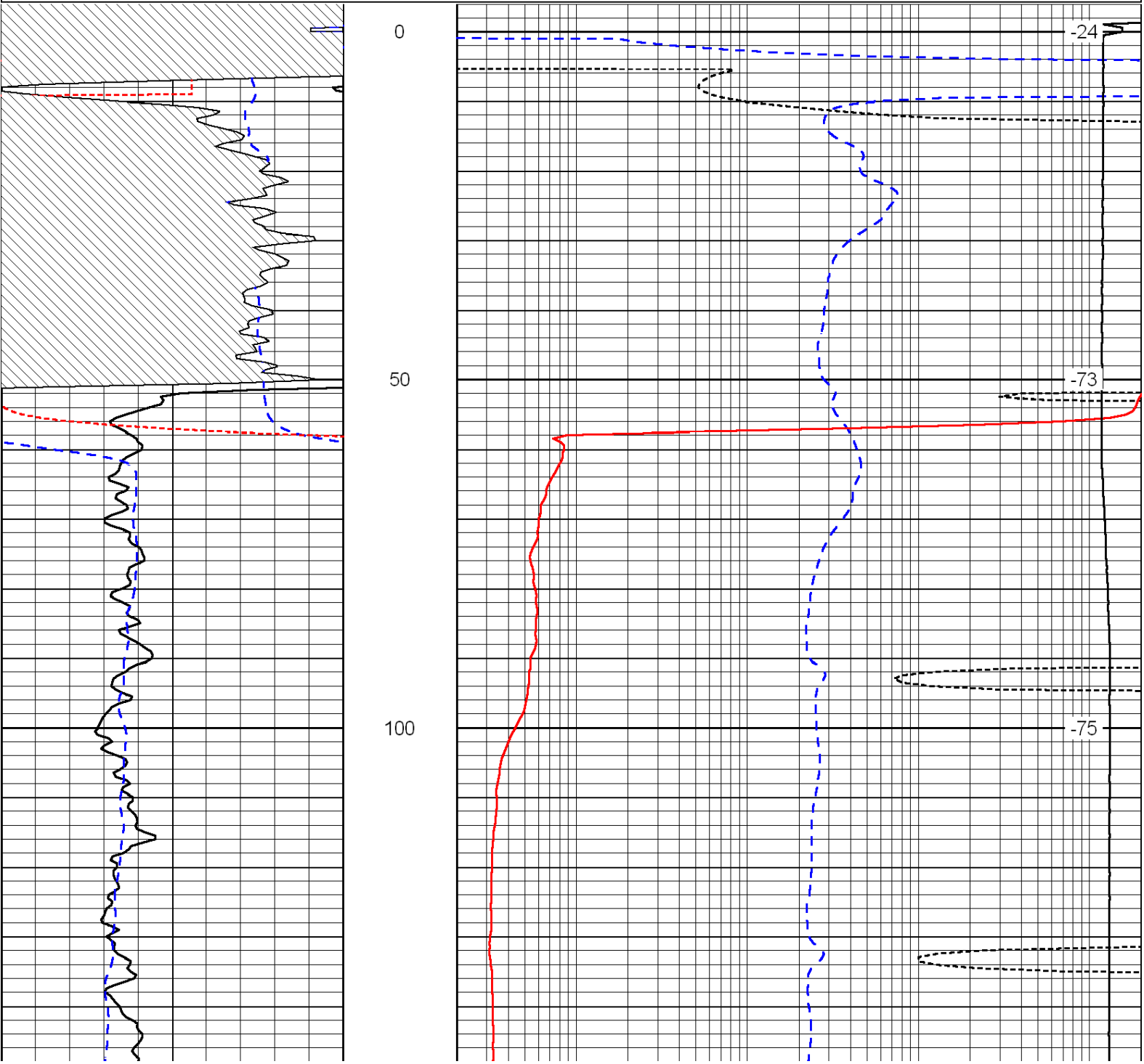


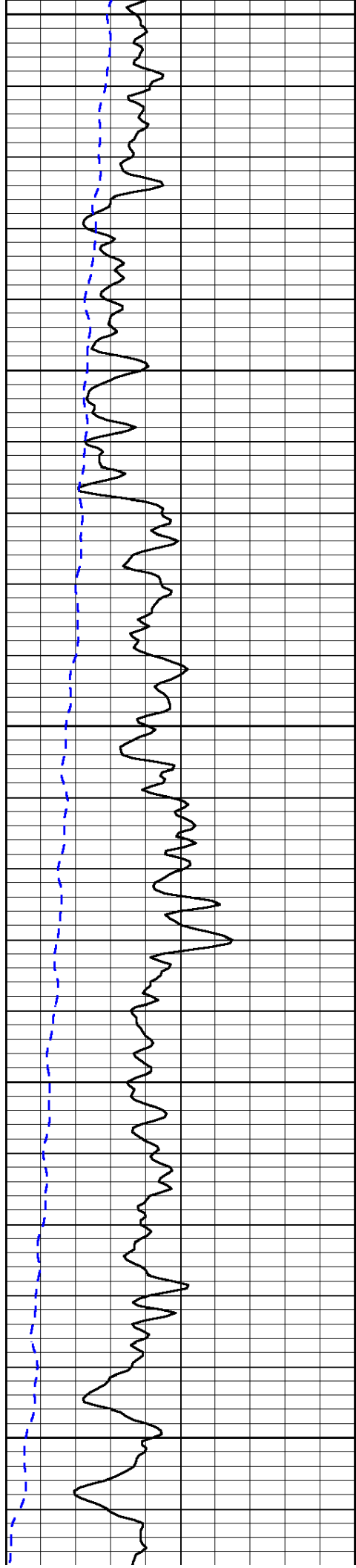


1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

Database File:	c:\warrior\data\murfin_hartman no.1-32\murfhd.db
Dataset Pathname:	dil/murfstk
Presentation Format:	dil
Dataset Creation:	Fri Jun 04 08:56:40 2010
Charted by:	Depth in Feet scaled 1:240

0	Gamma Ray	150	0.2	Deep Resistivity	2000
-200	SP (mV)	0	0.2	Medium Resistivity	2000
-160	Rxo / Rt	40	0.2	Shallow Resistivity	2000
			15000	Line Tension	0
				LSPD	





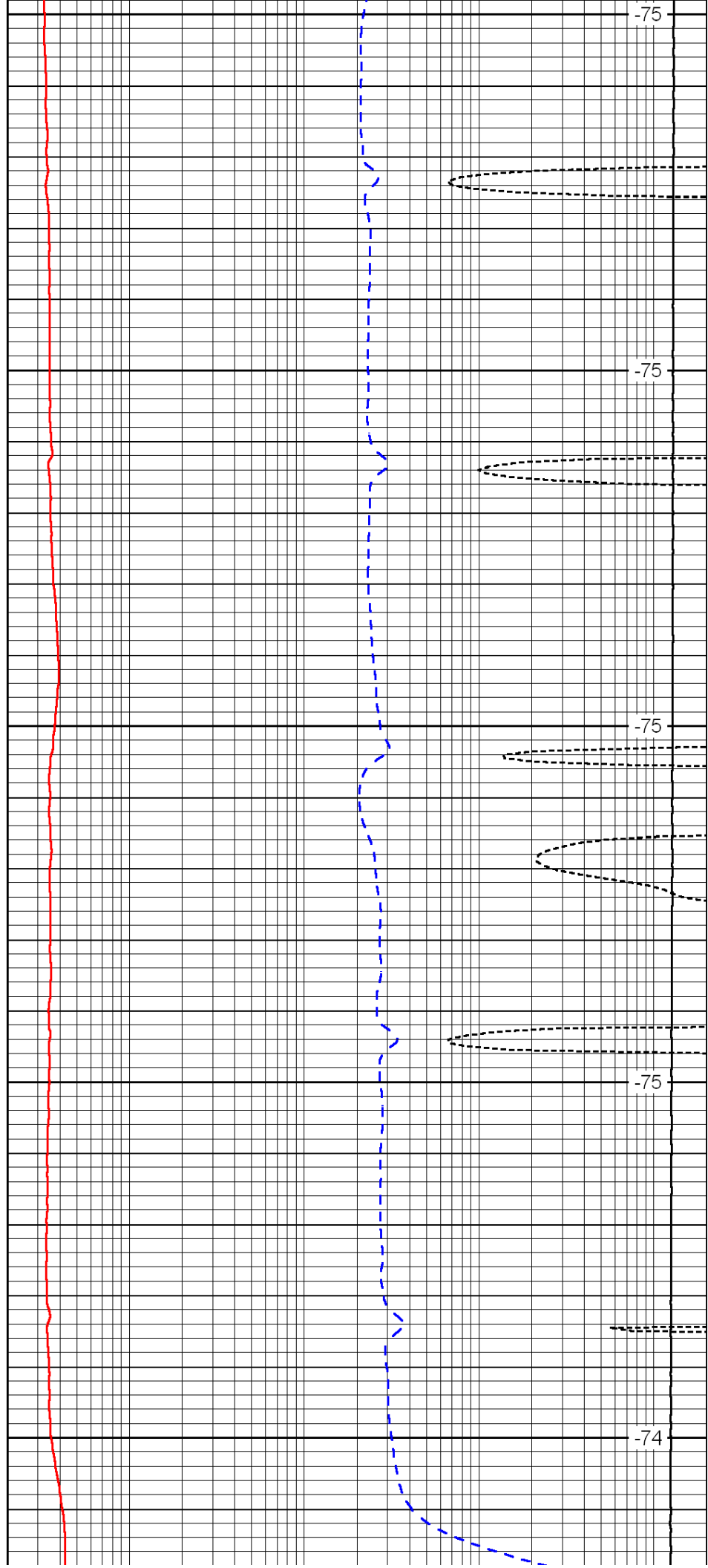
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200

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300

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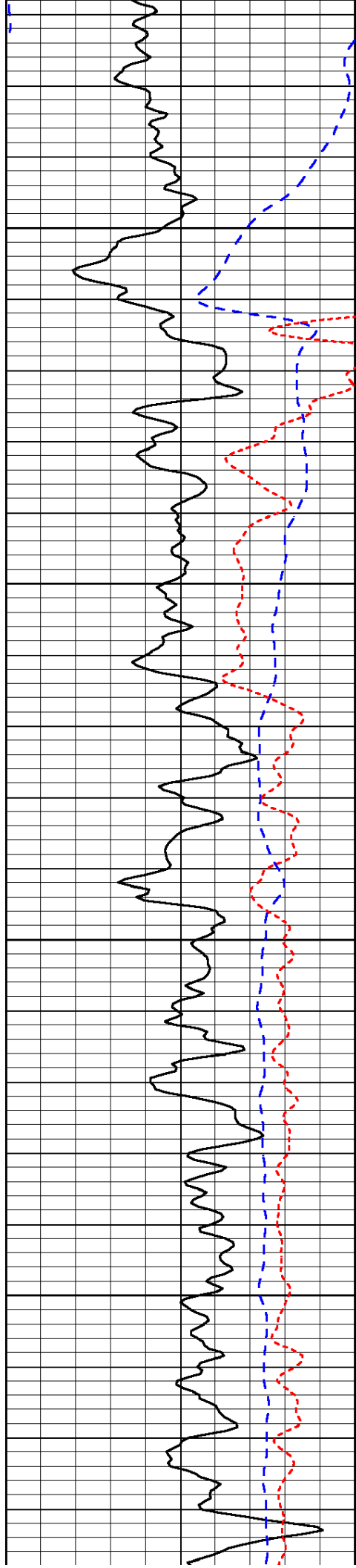
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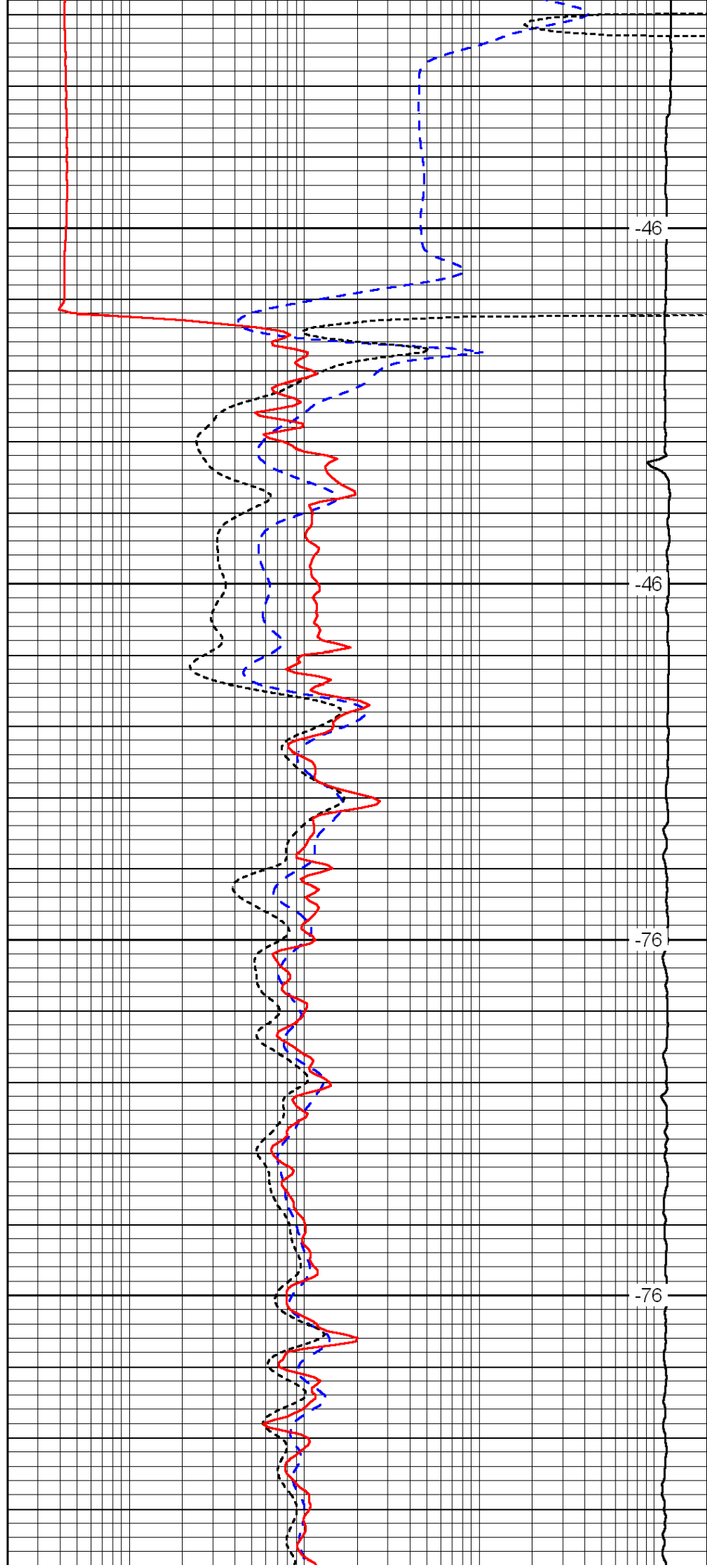


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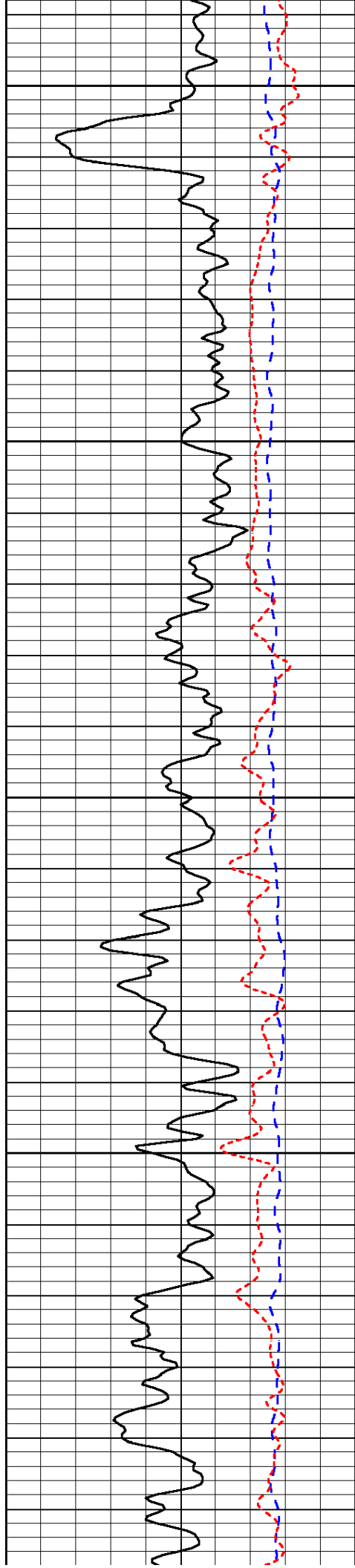


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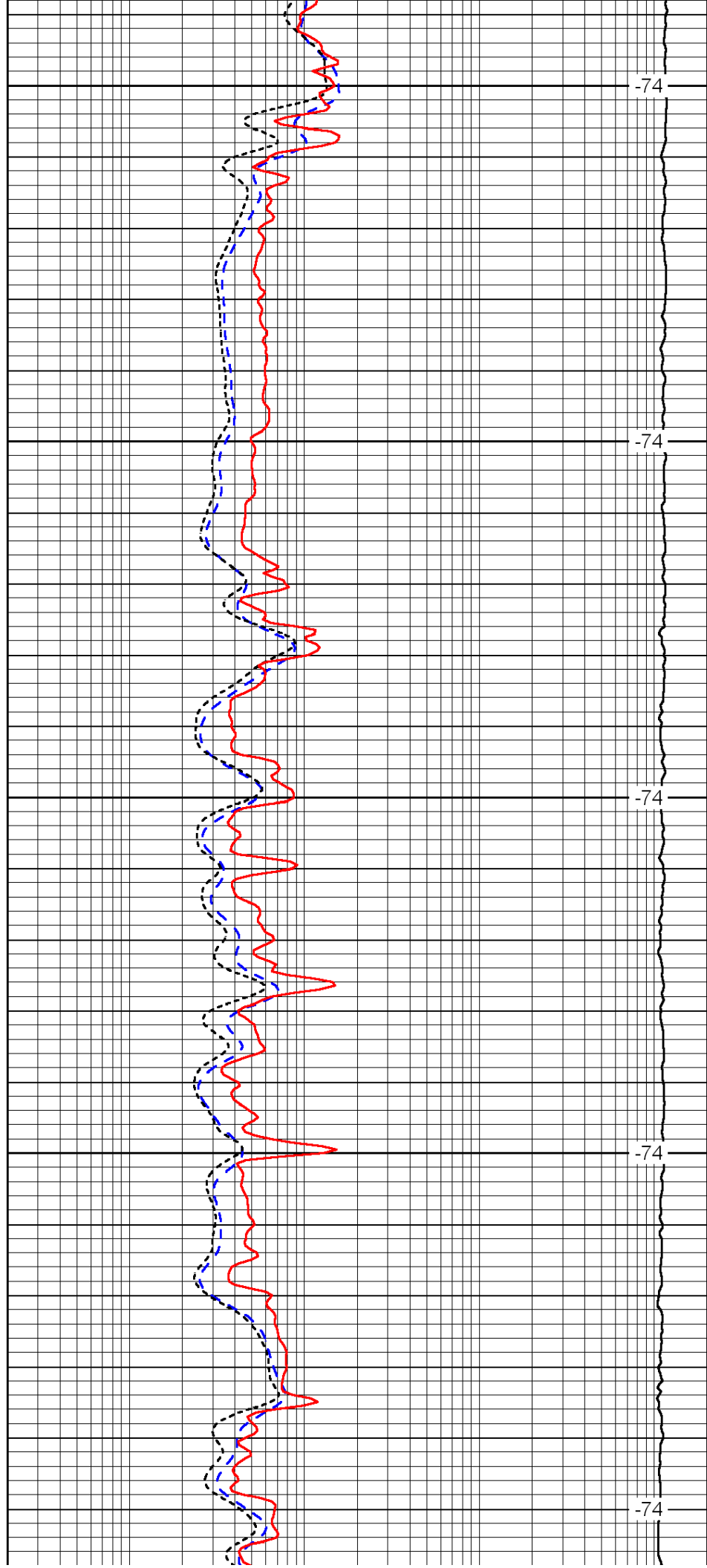
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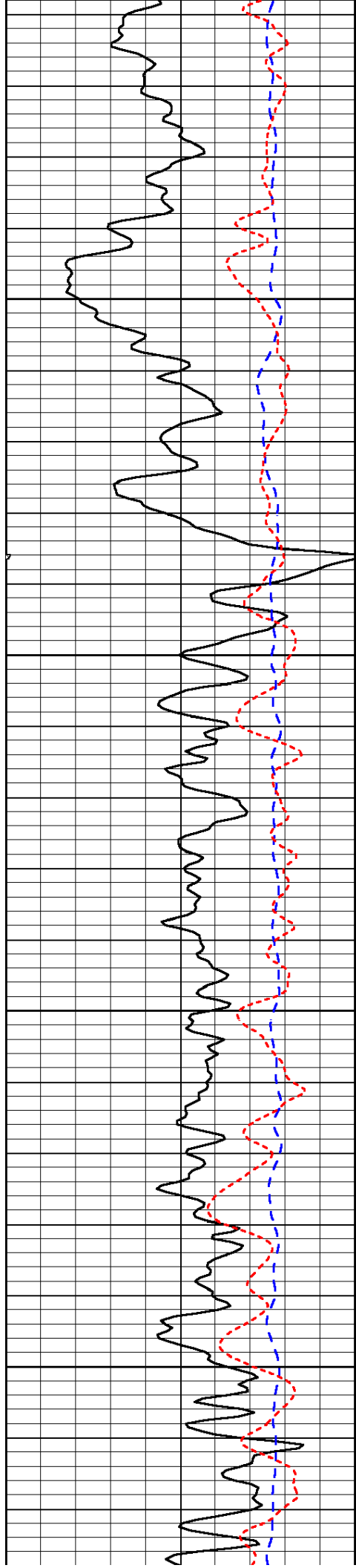
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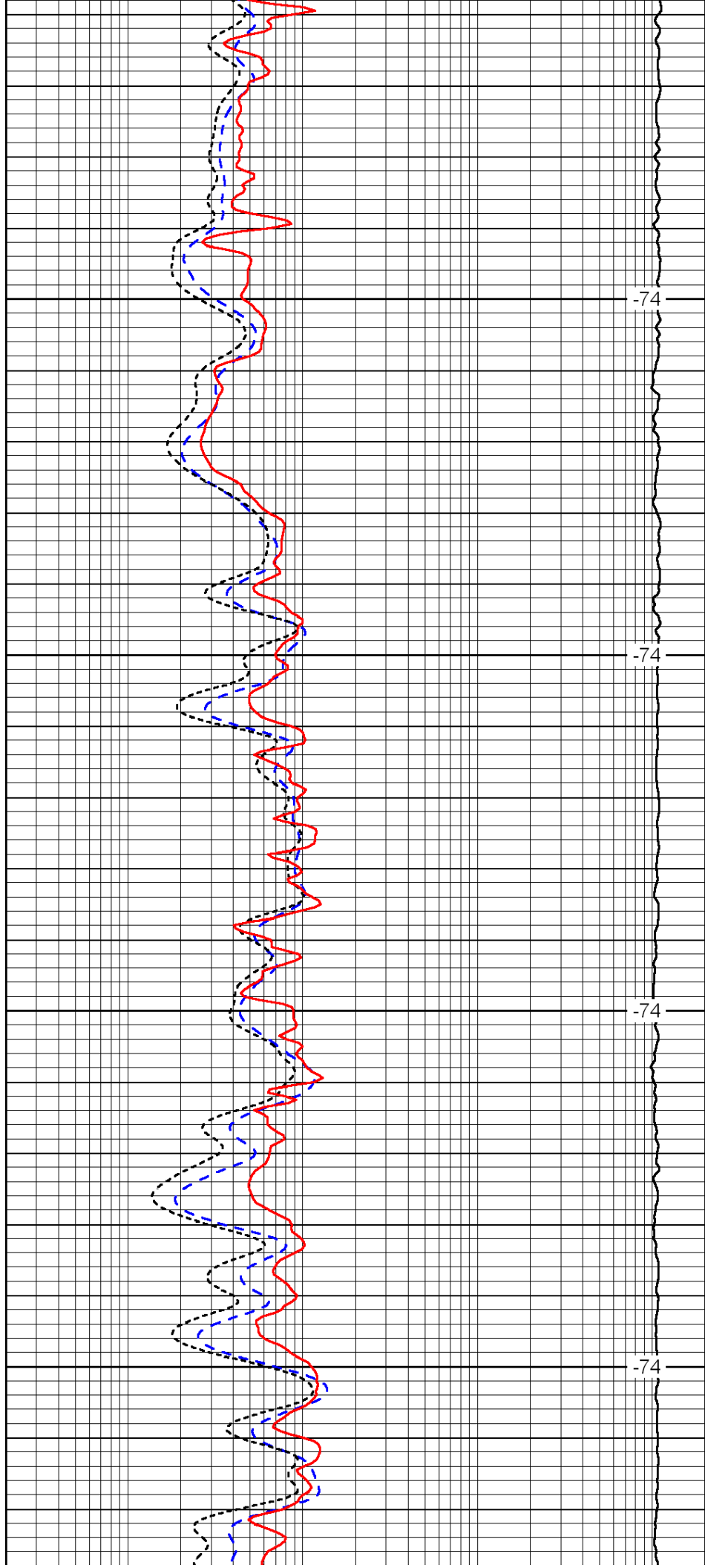


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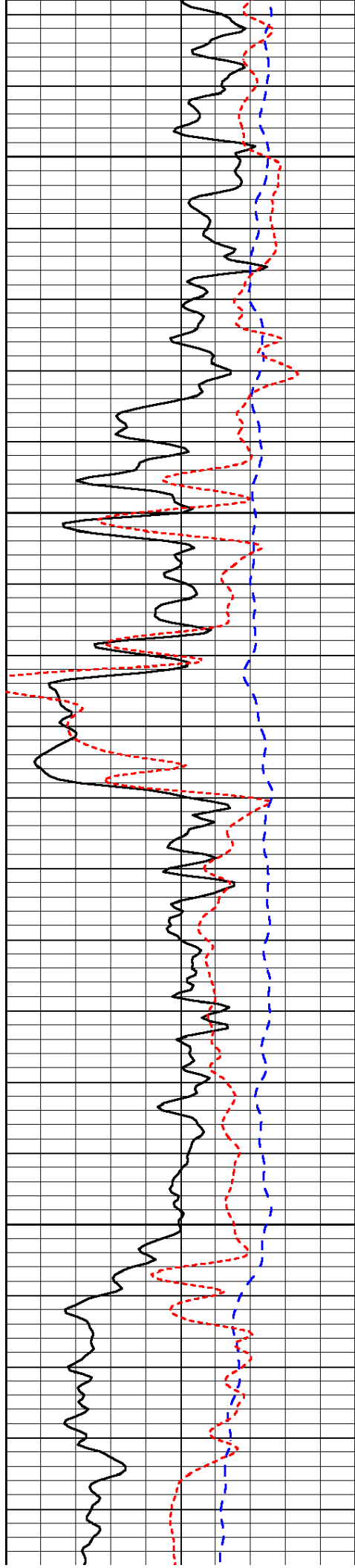


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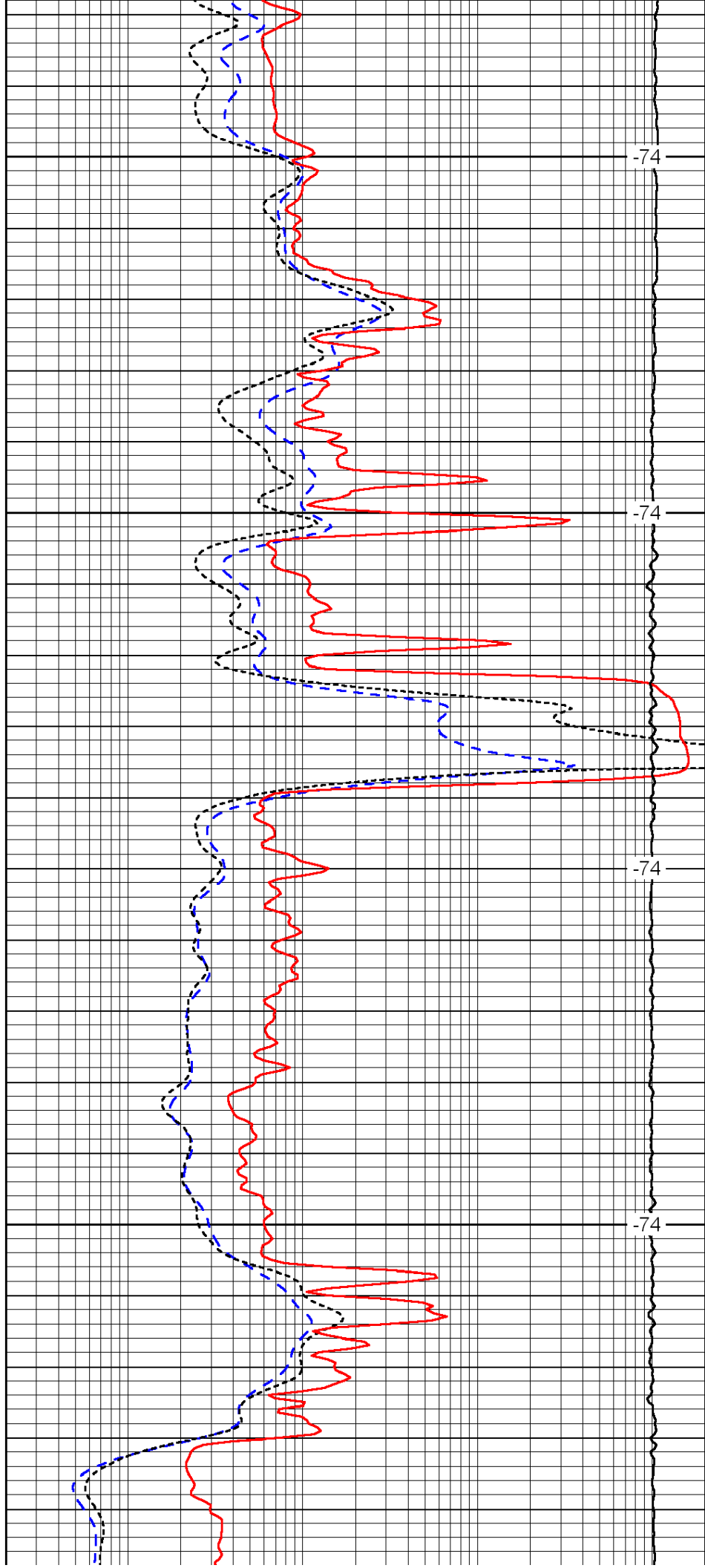


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1150

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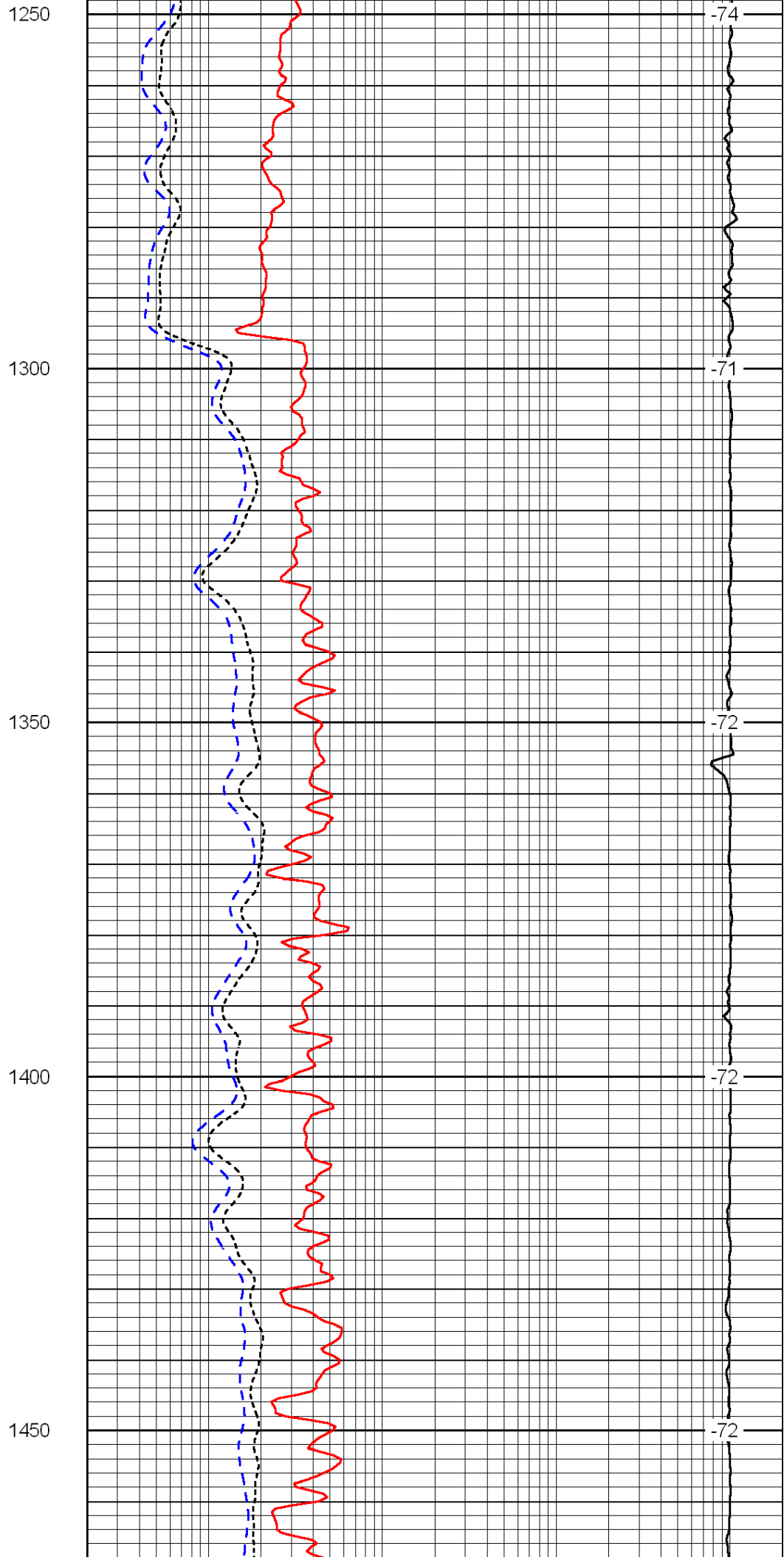
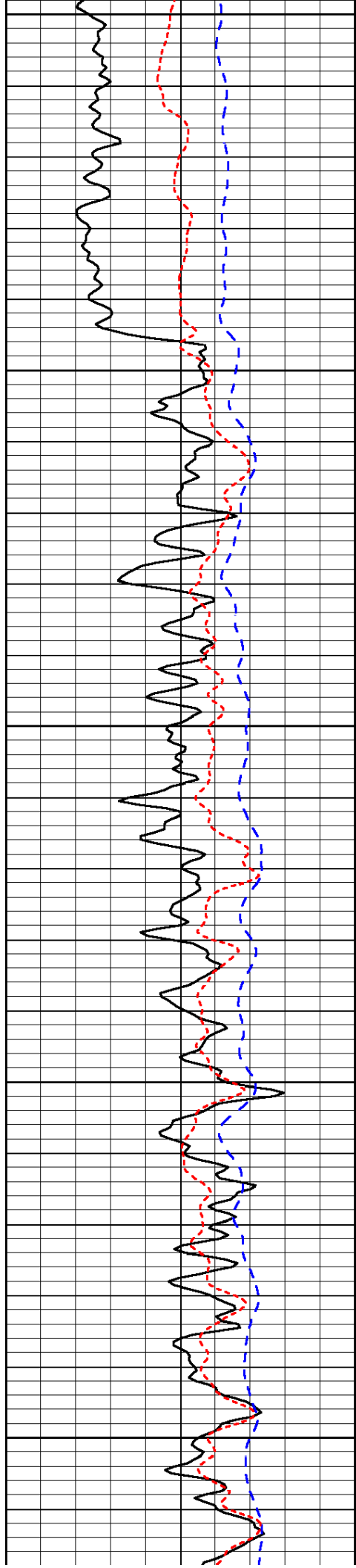


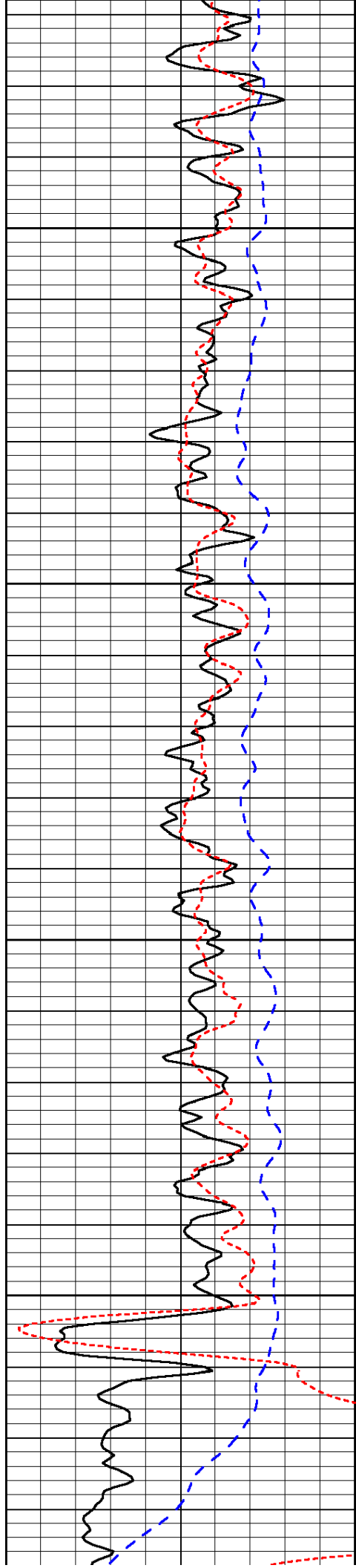
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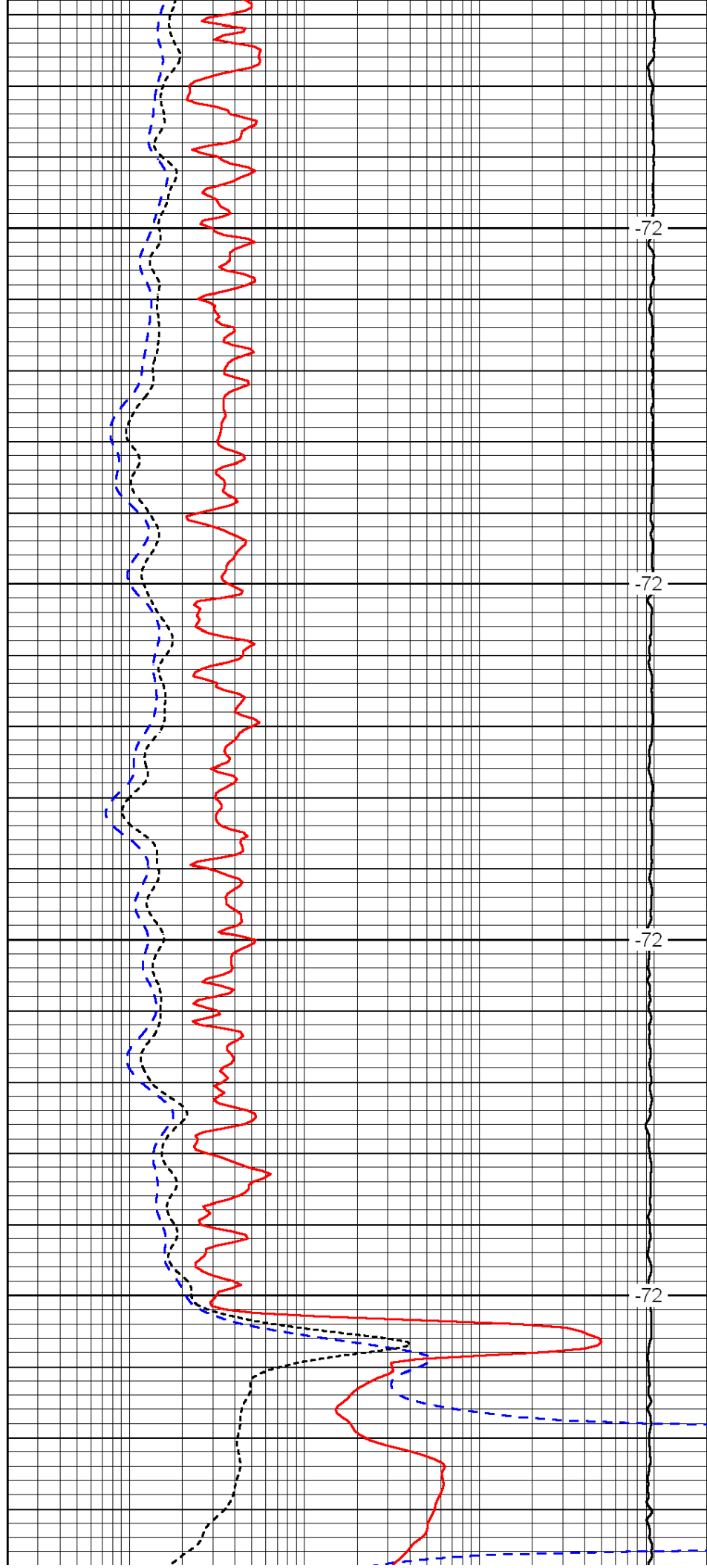


1500

1550

1600

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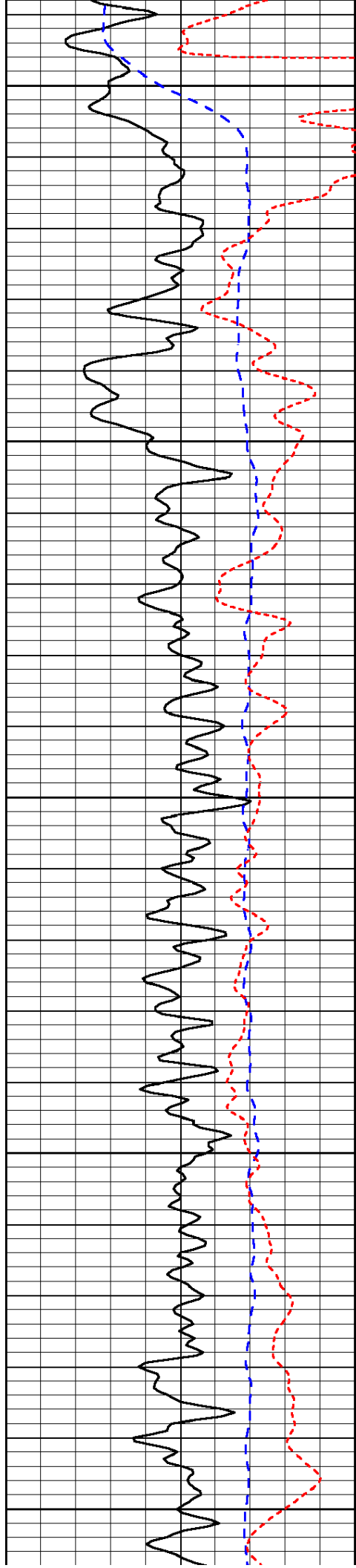


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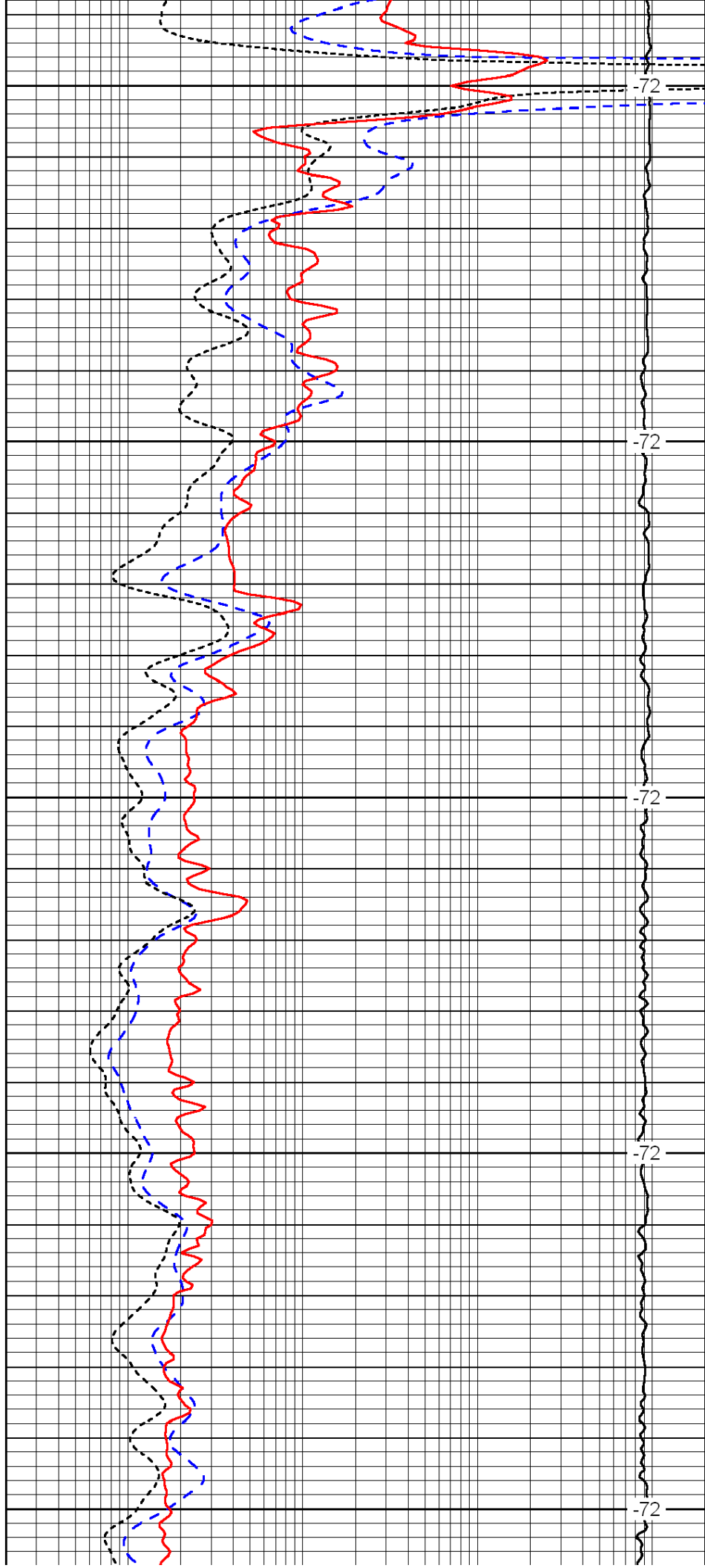
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1750

1800

1850

1900



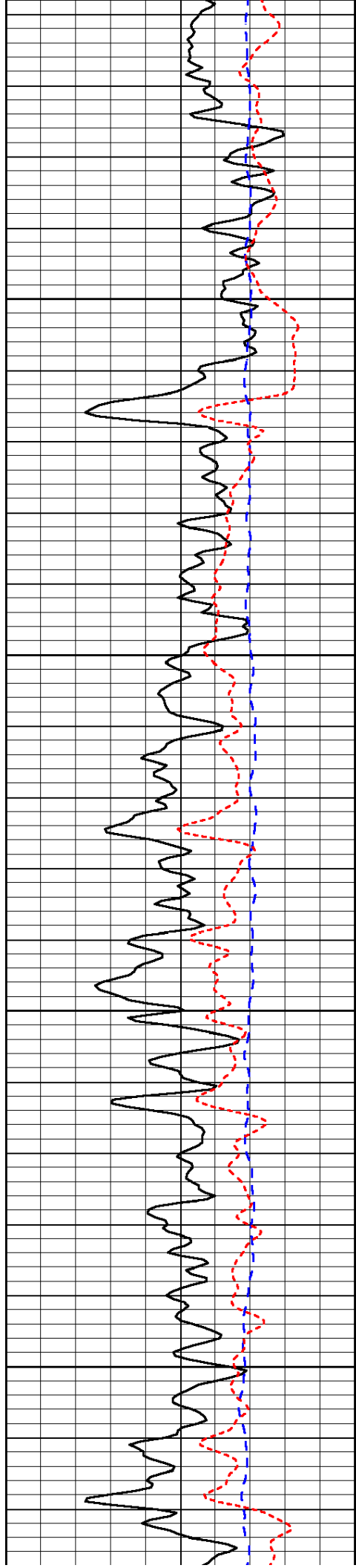
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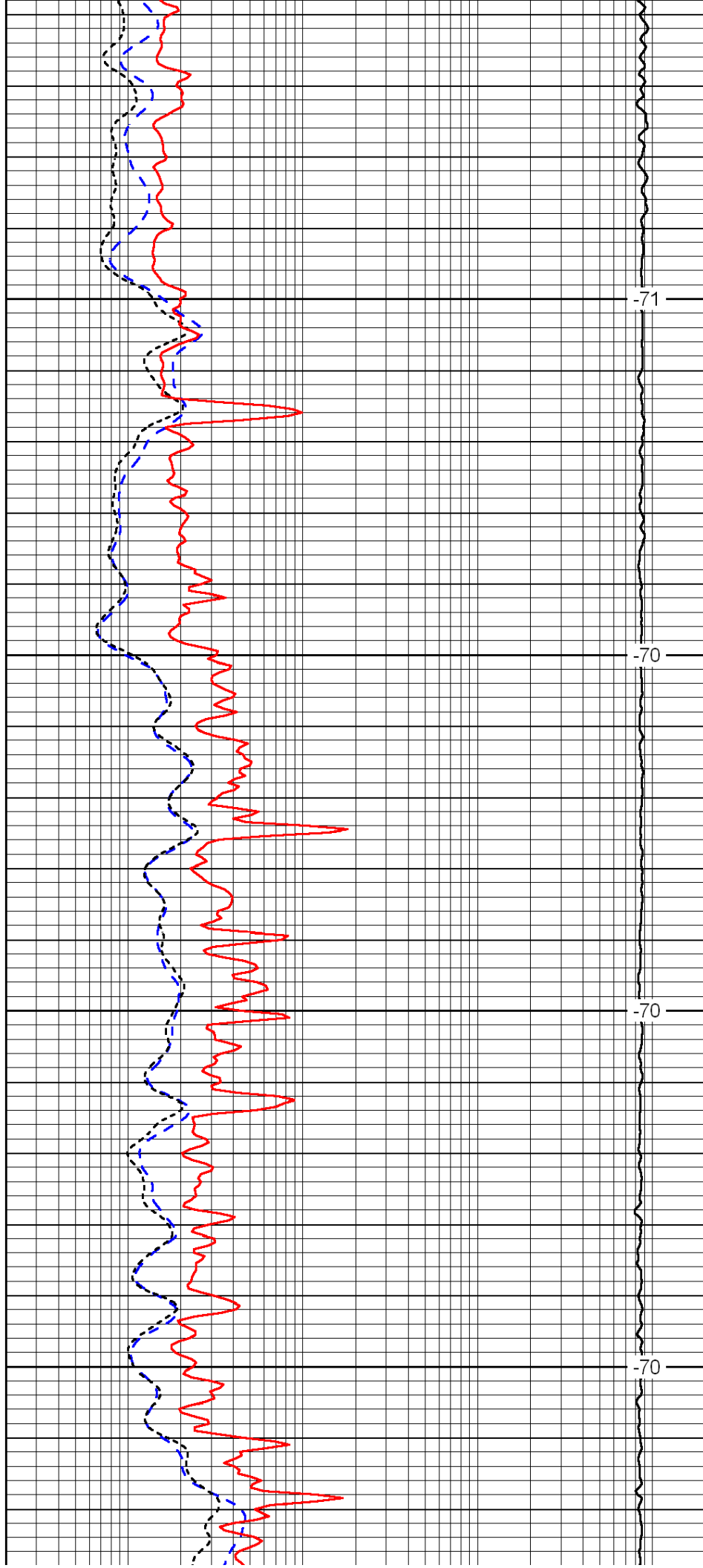


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2000

2050

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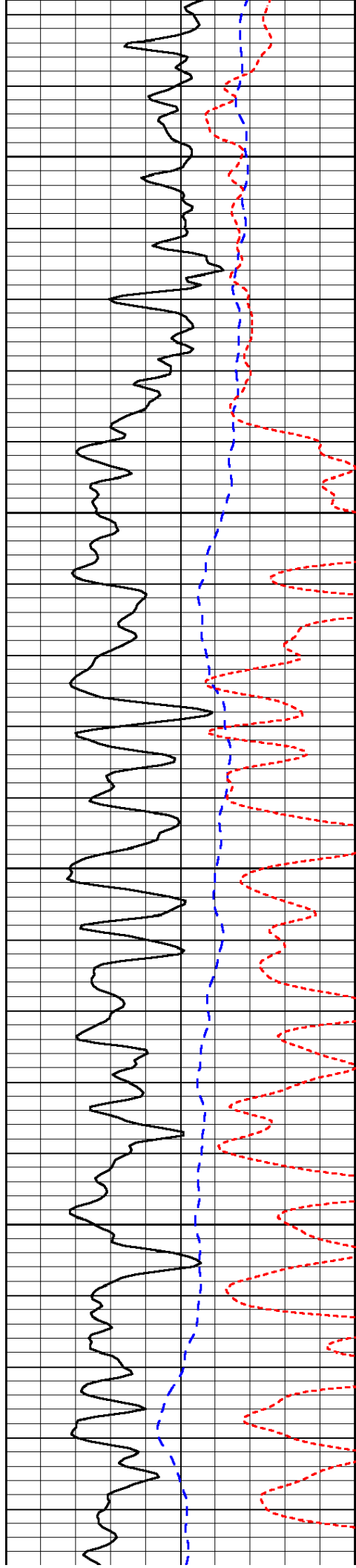


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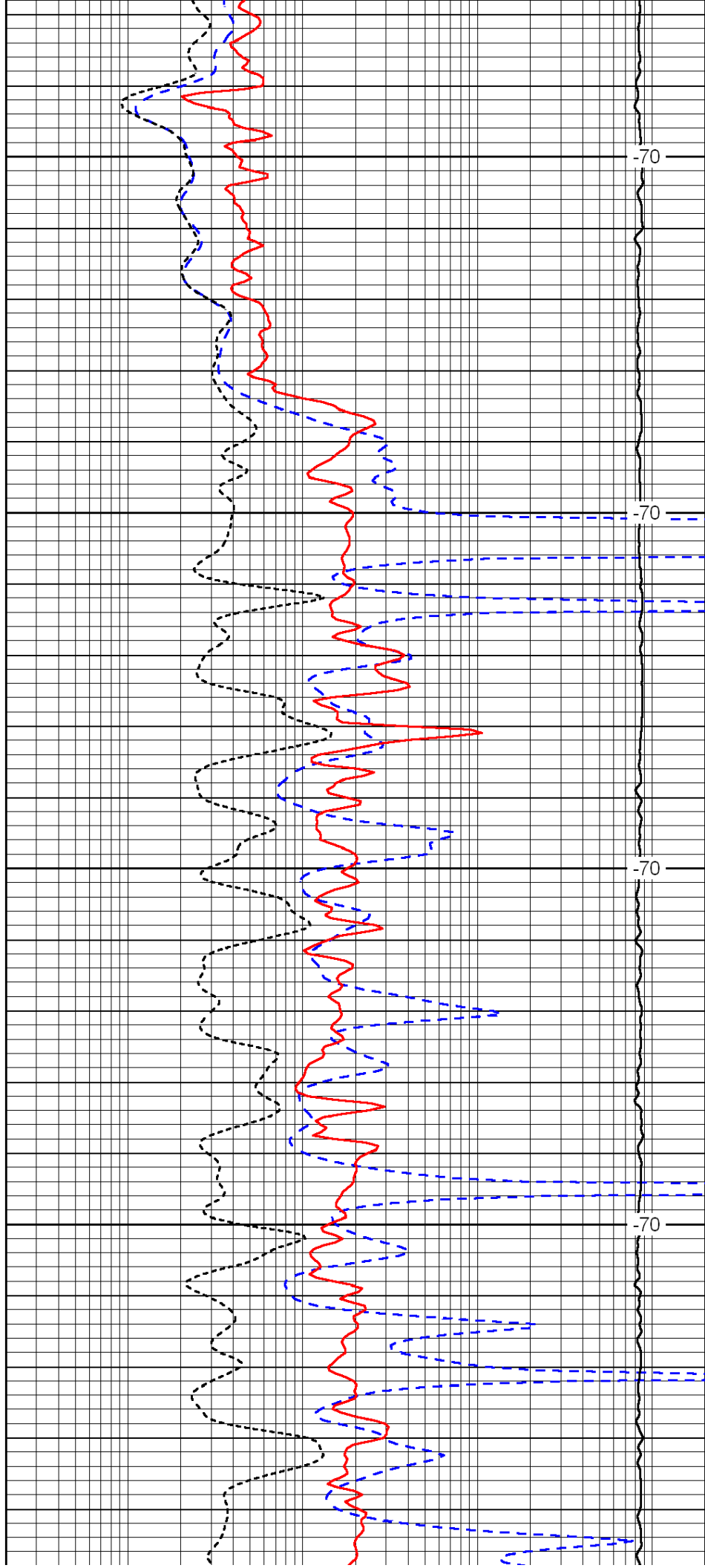


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2200

2250

2300

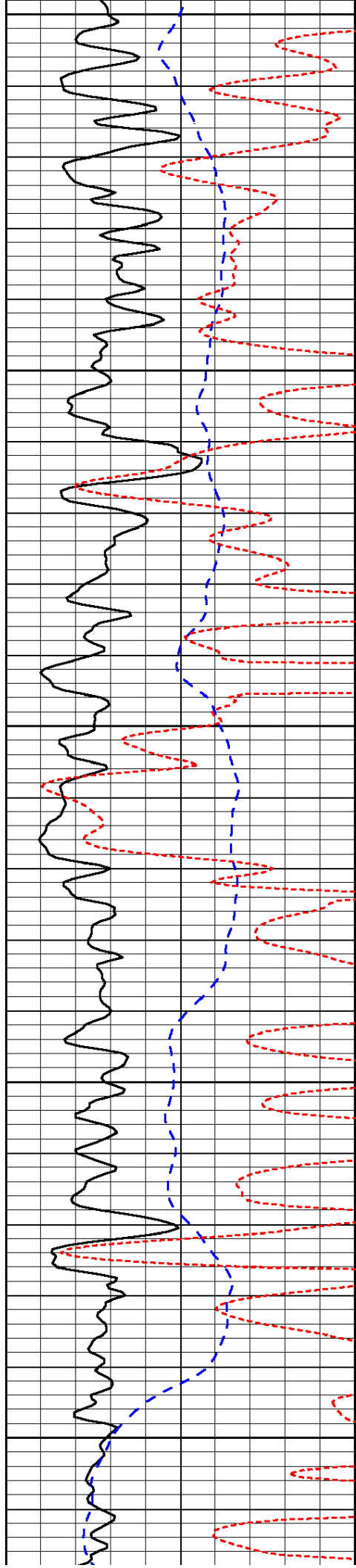


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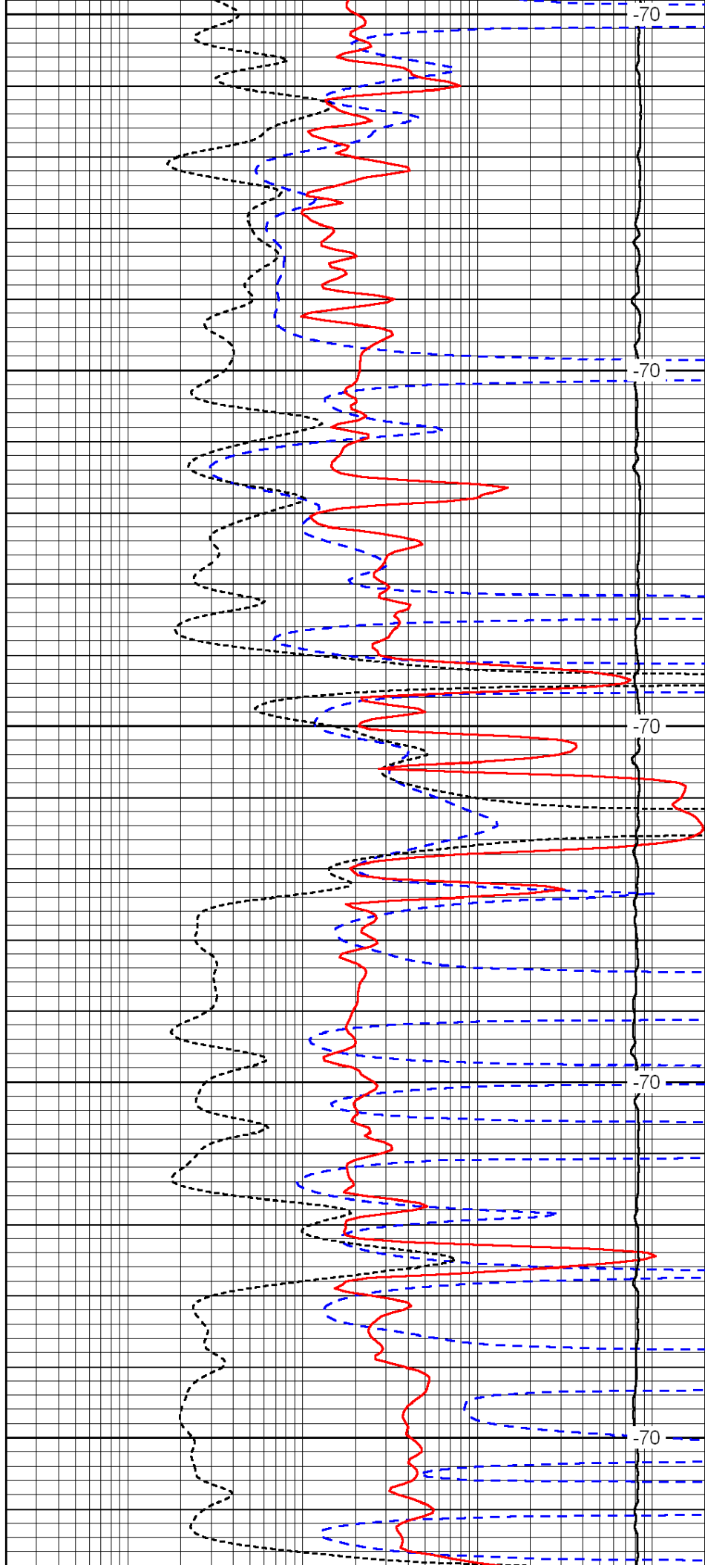
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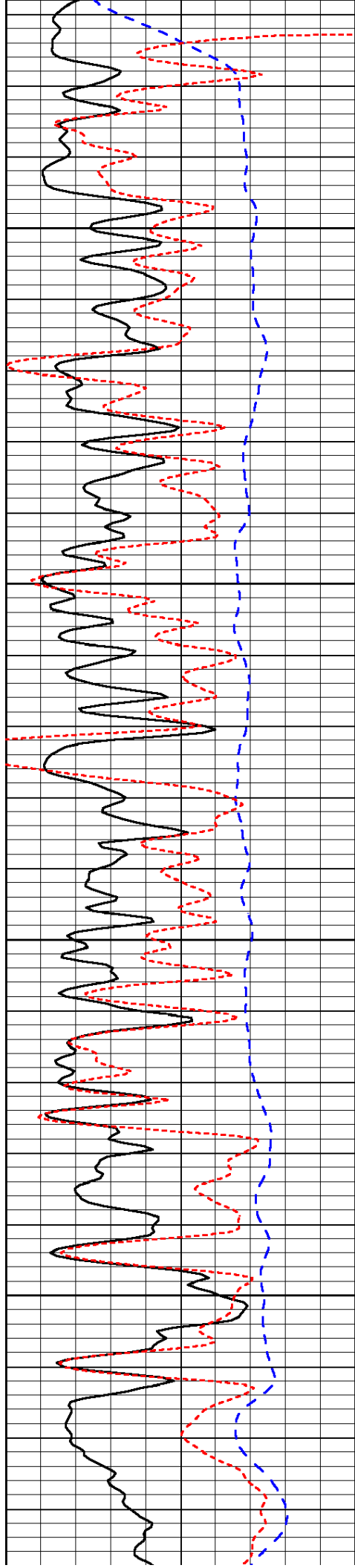
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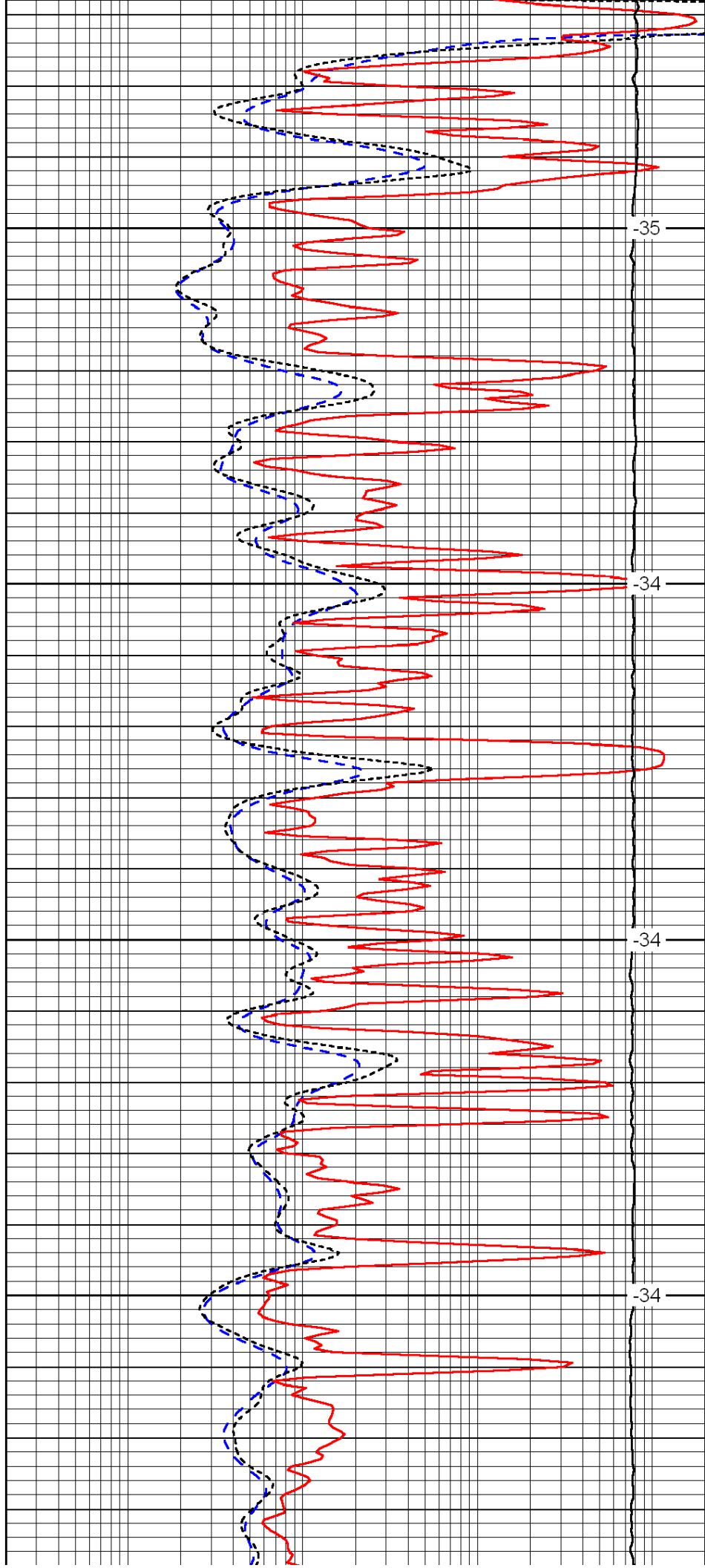


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2700

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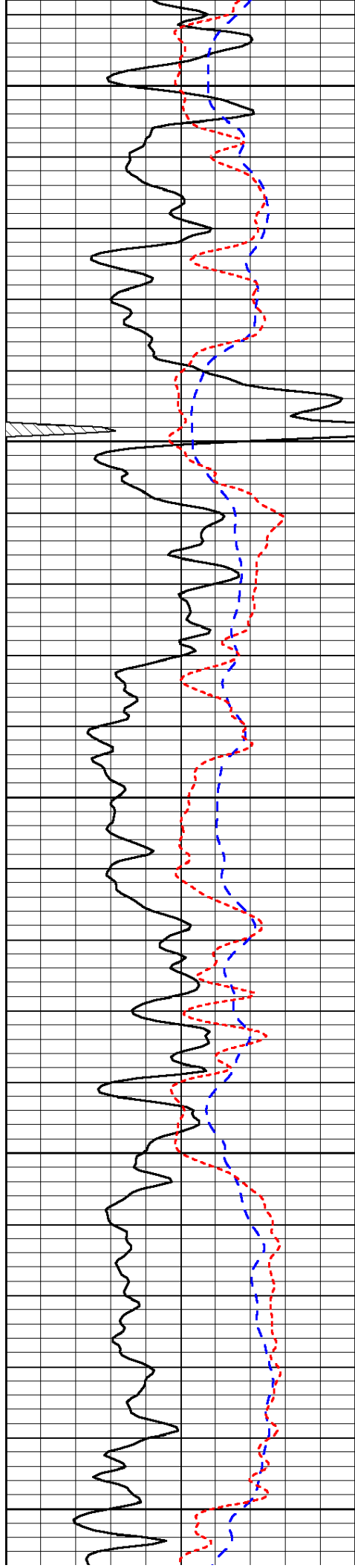


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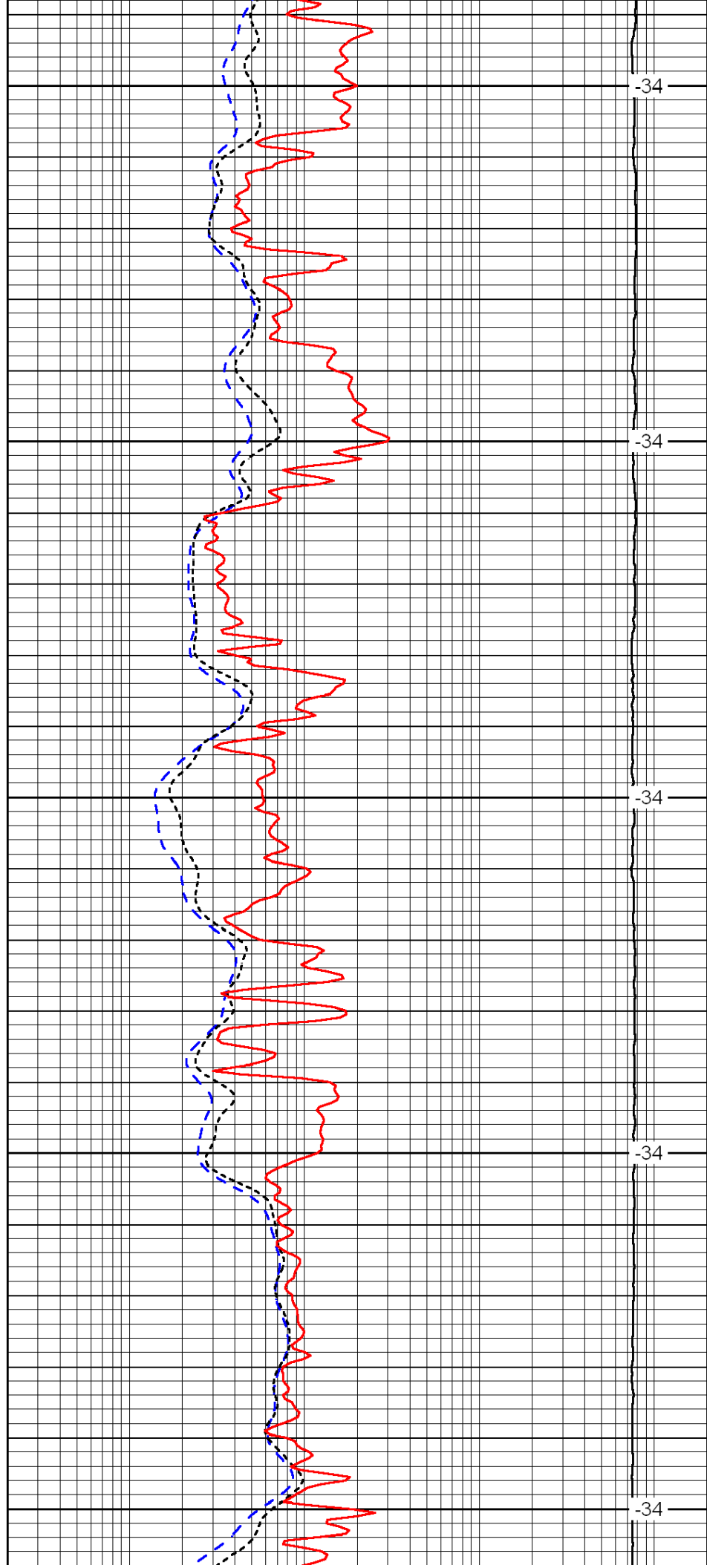
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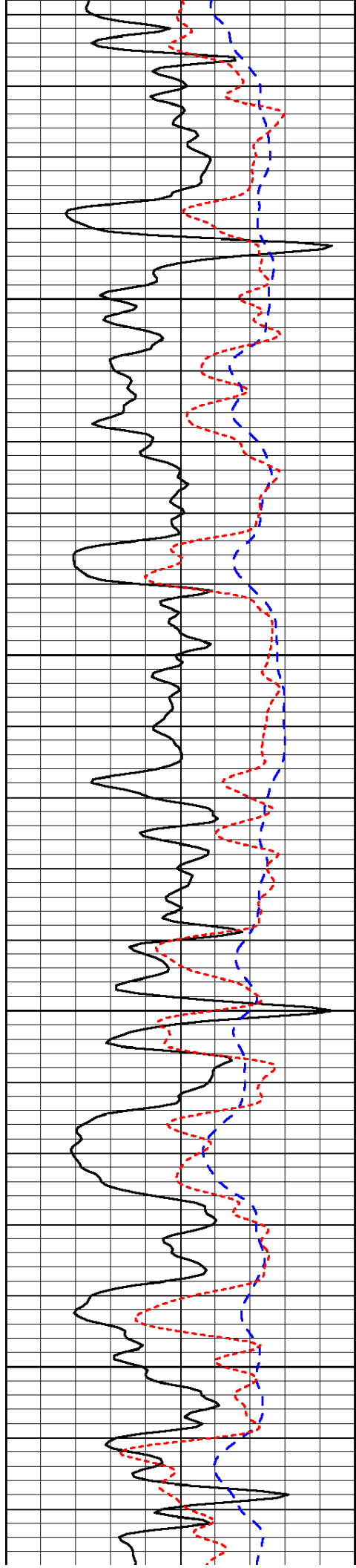
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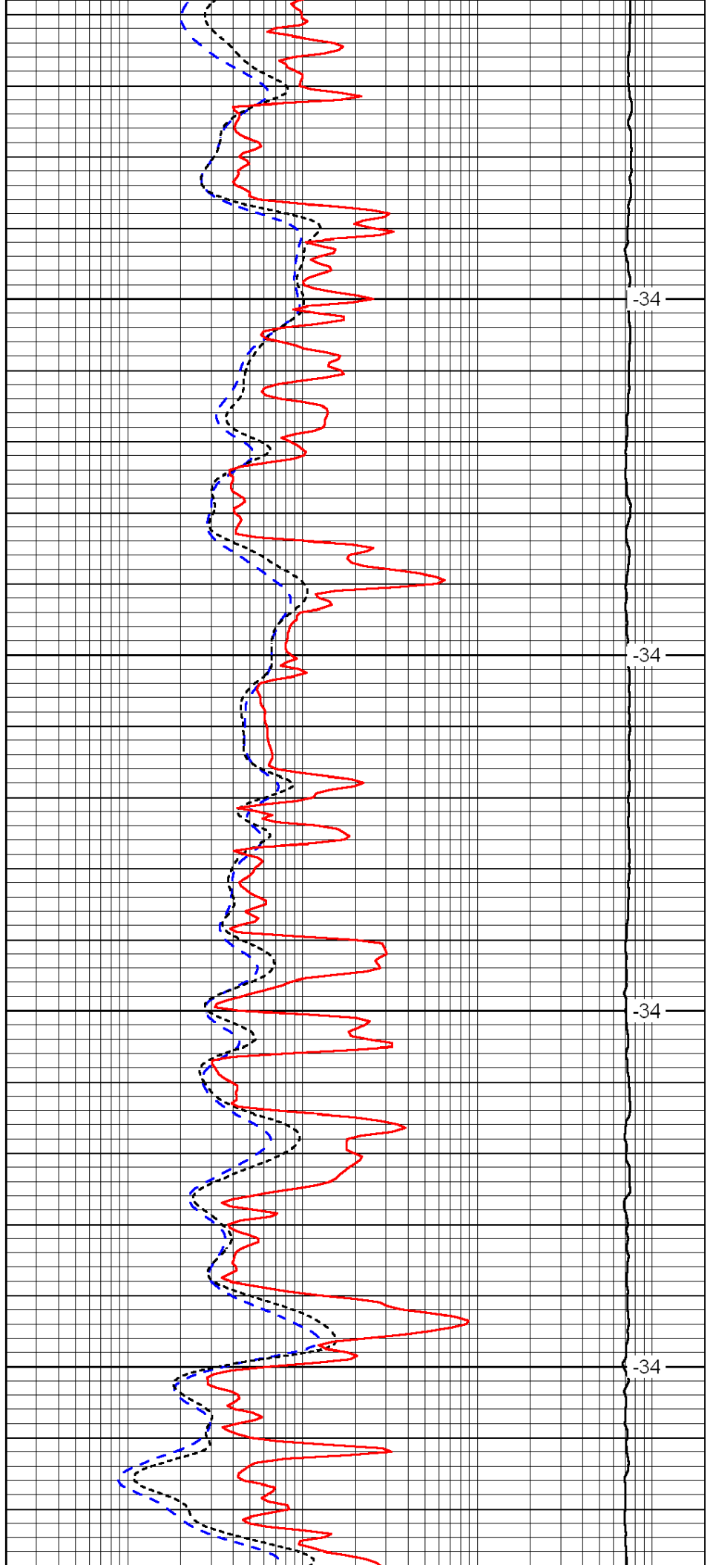


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3150

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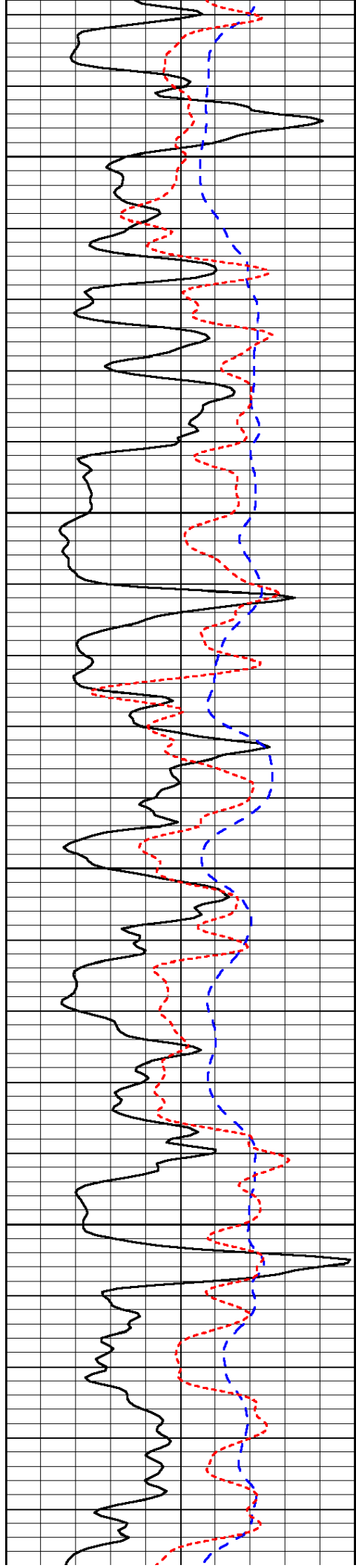


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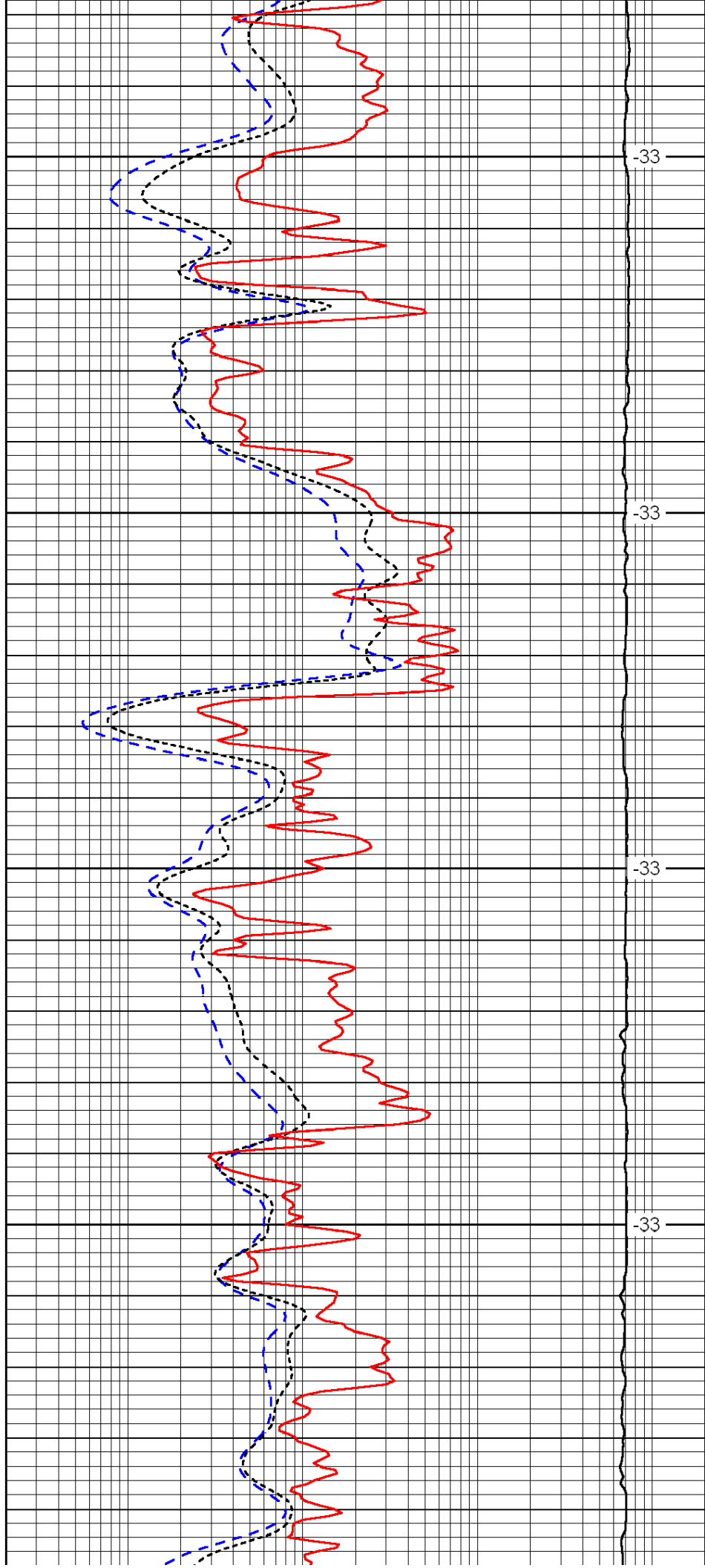


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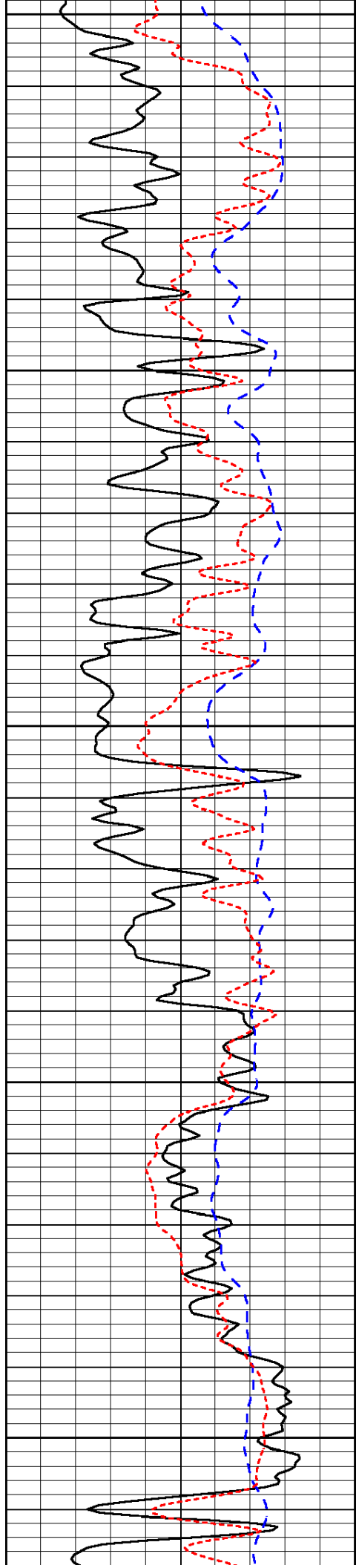


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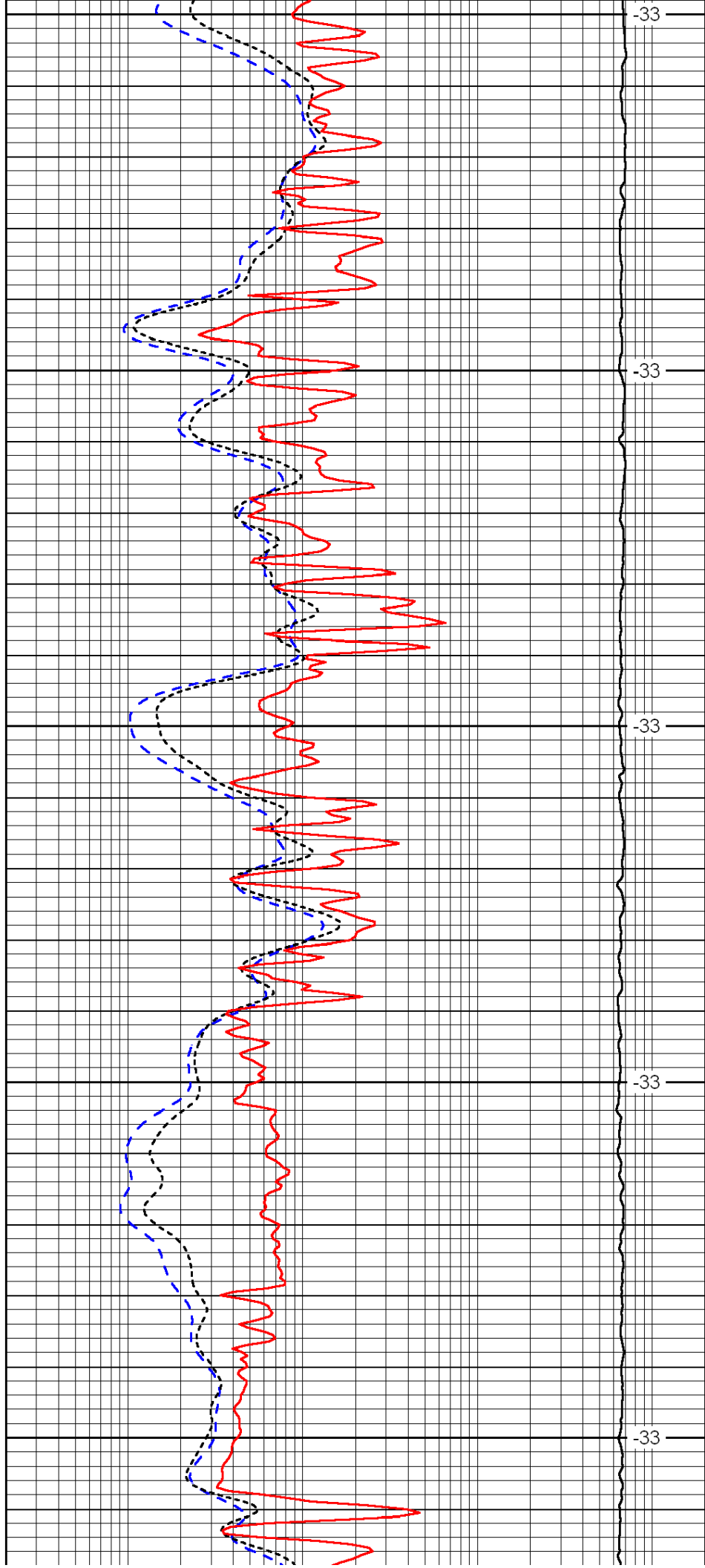
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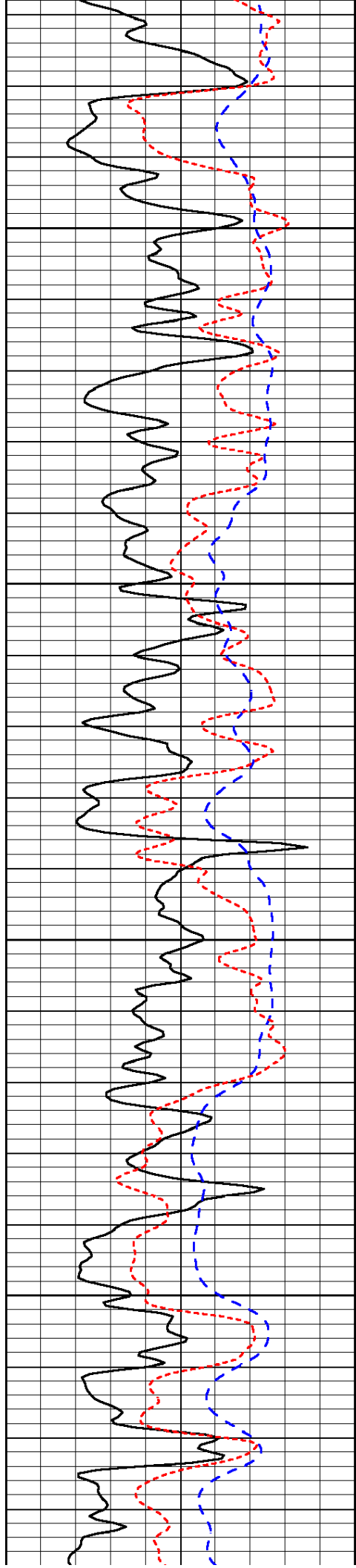
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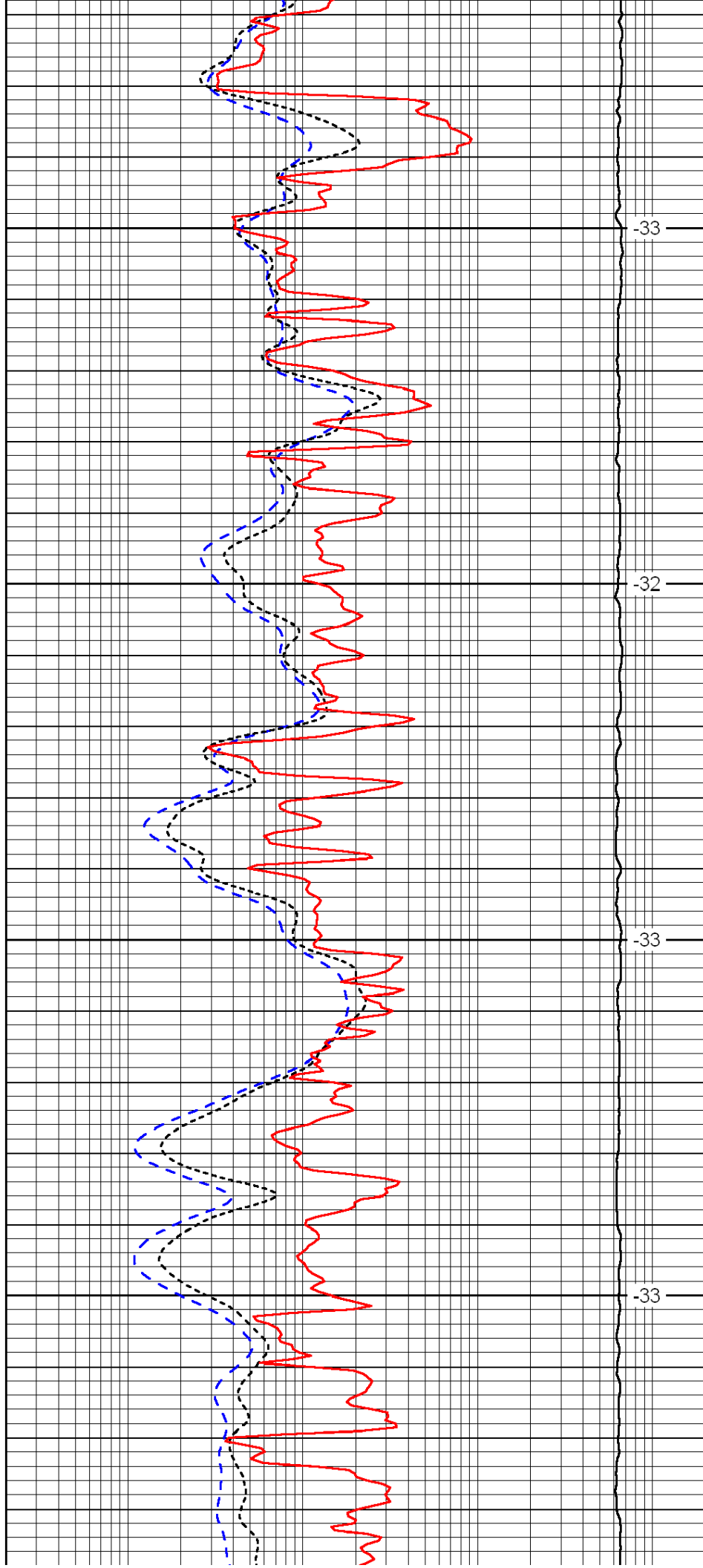


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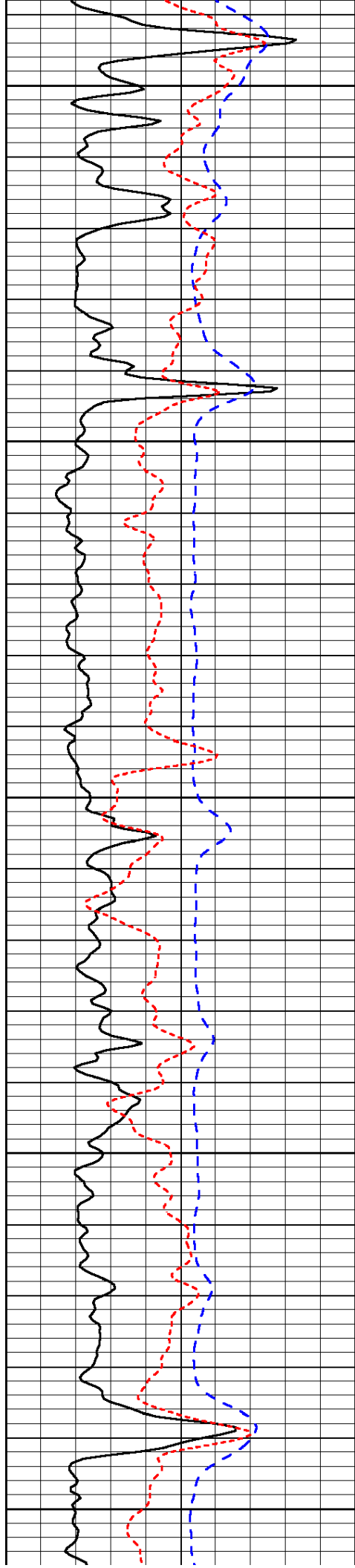


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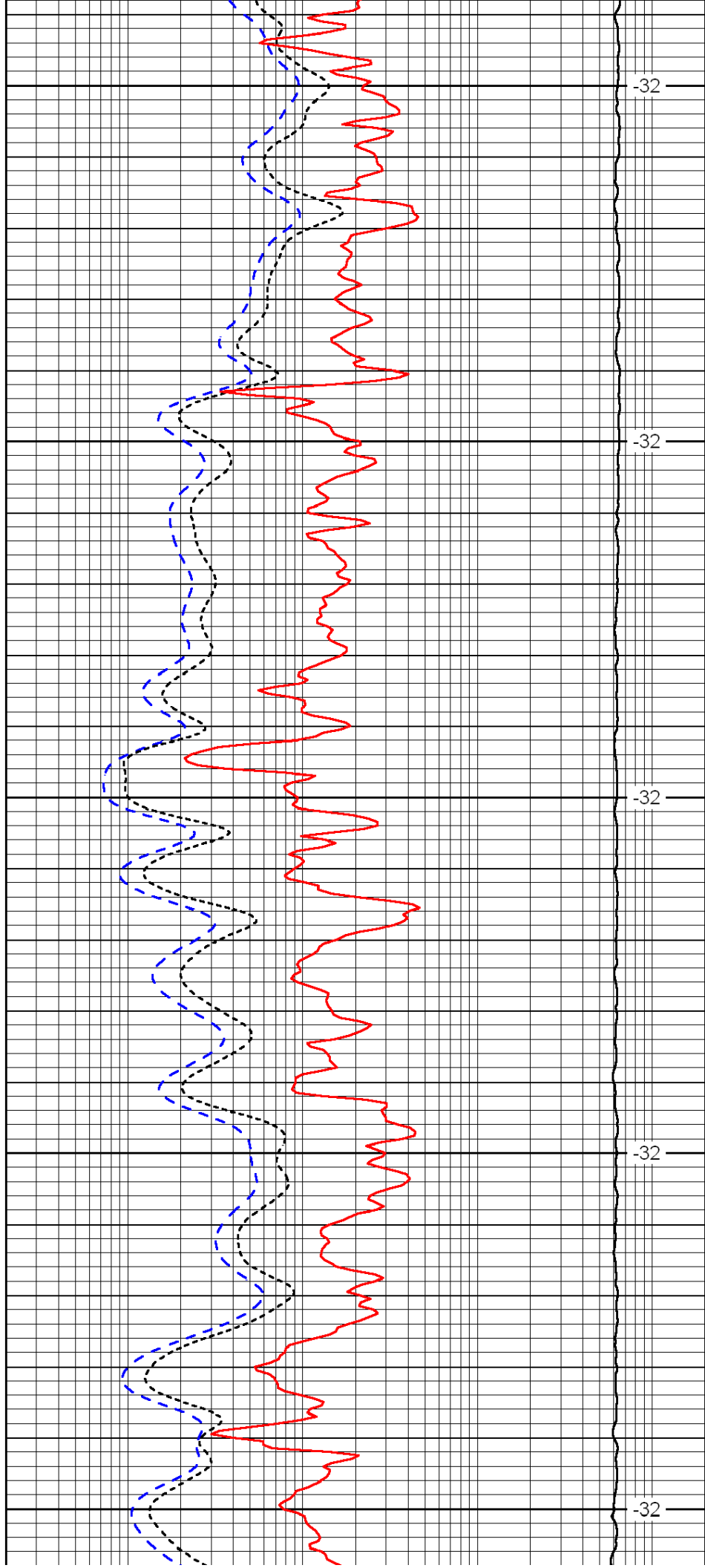
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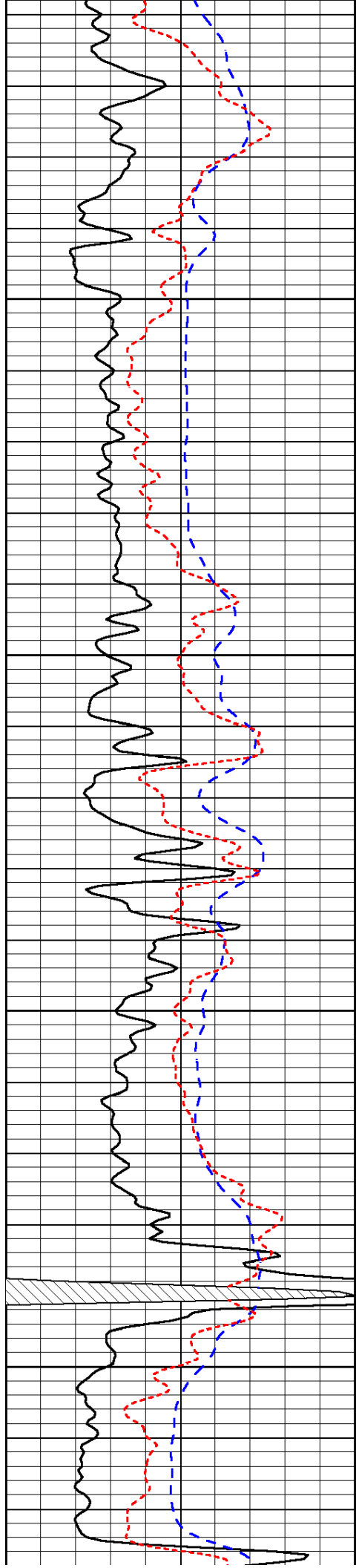
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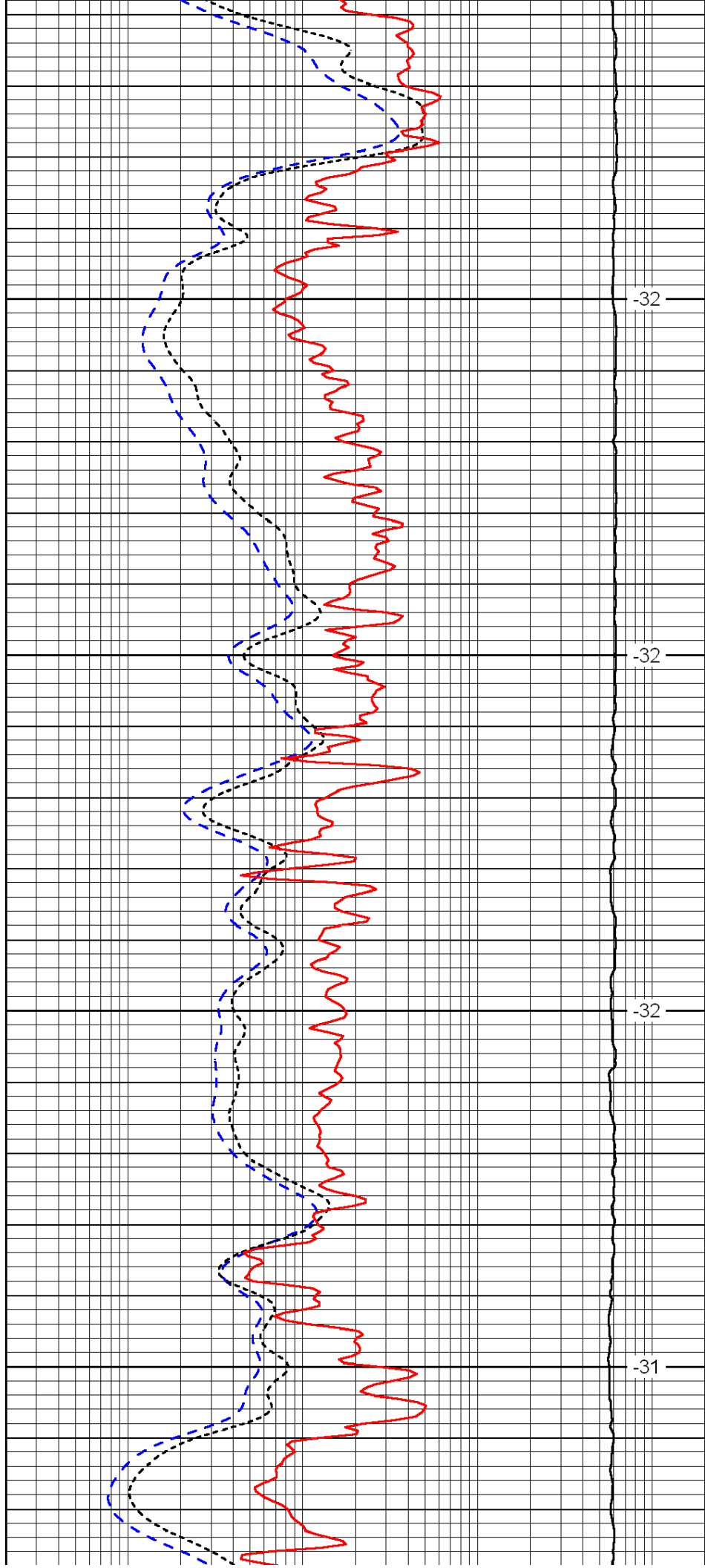


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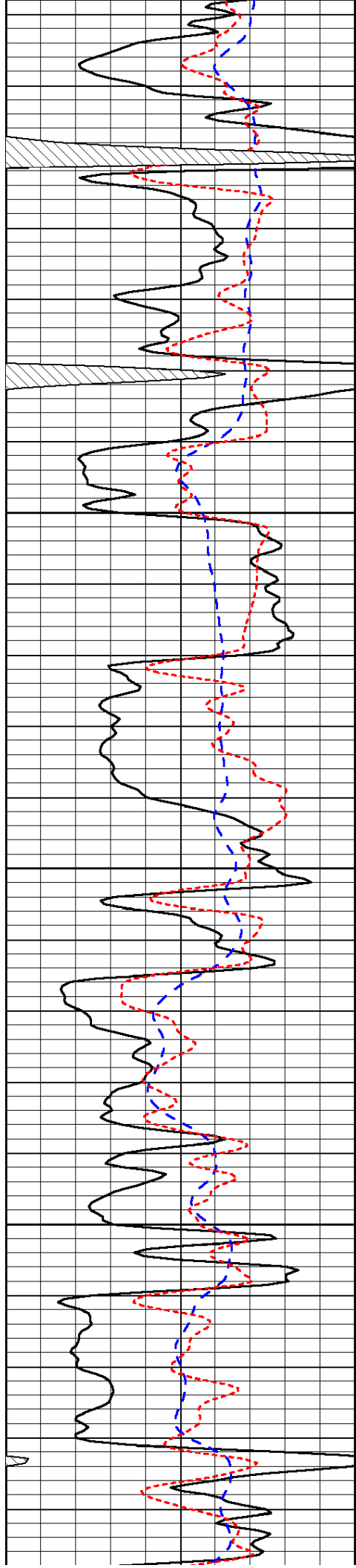


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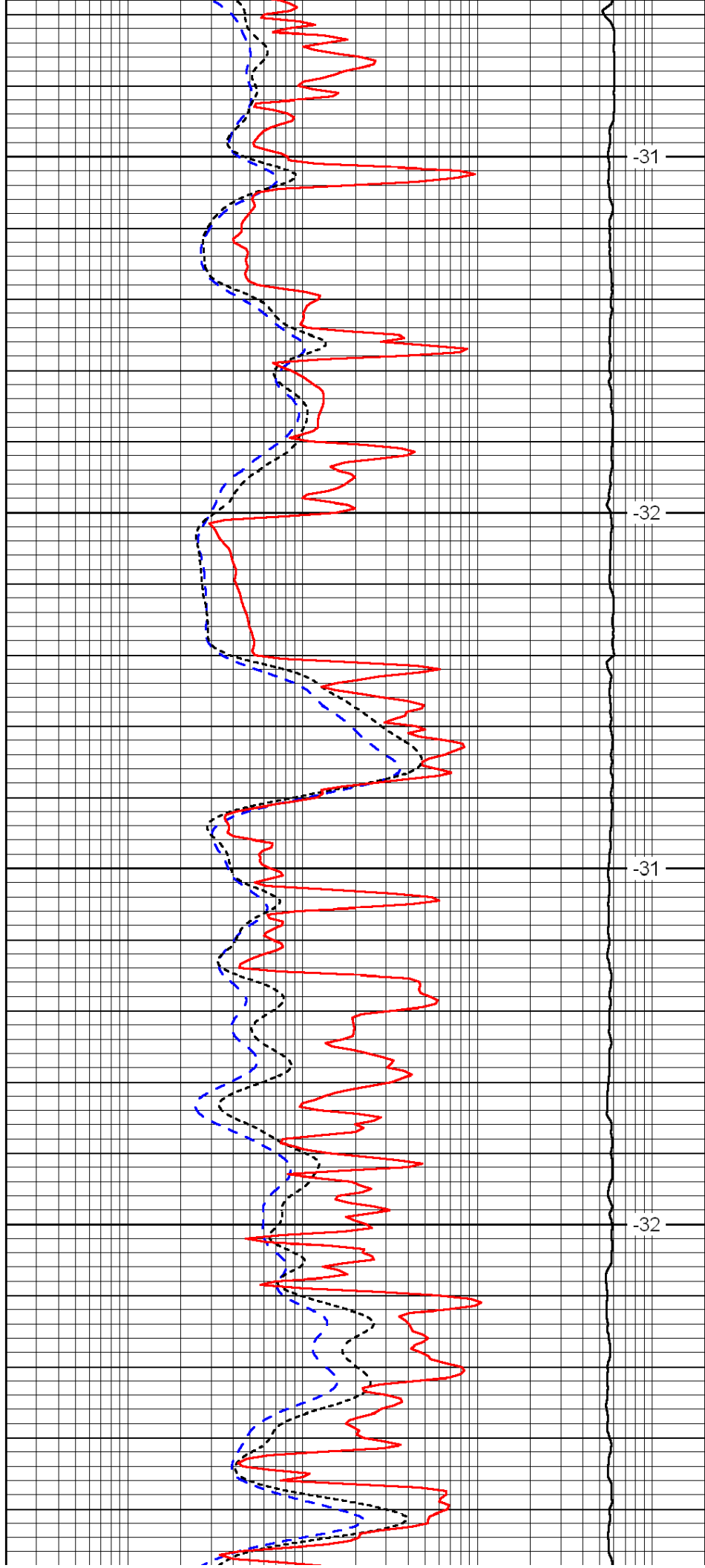


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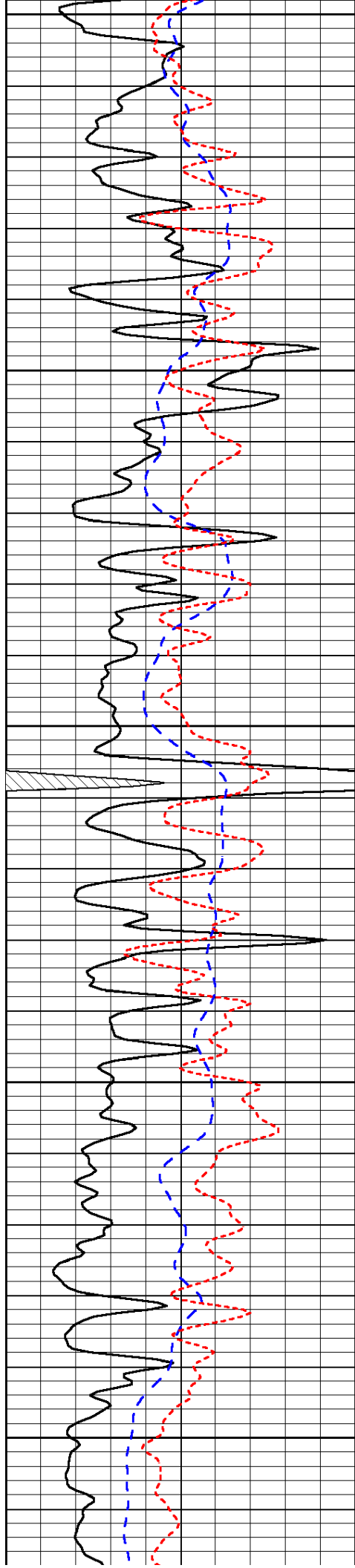


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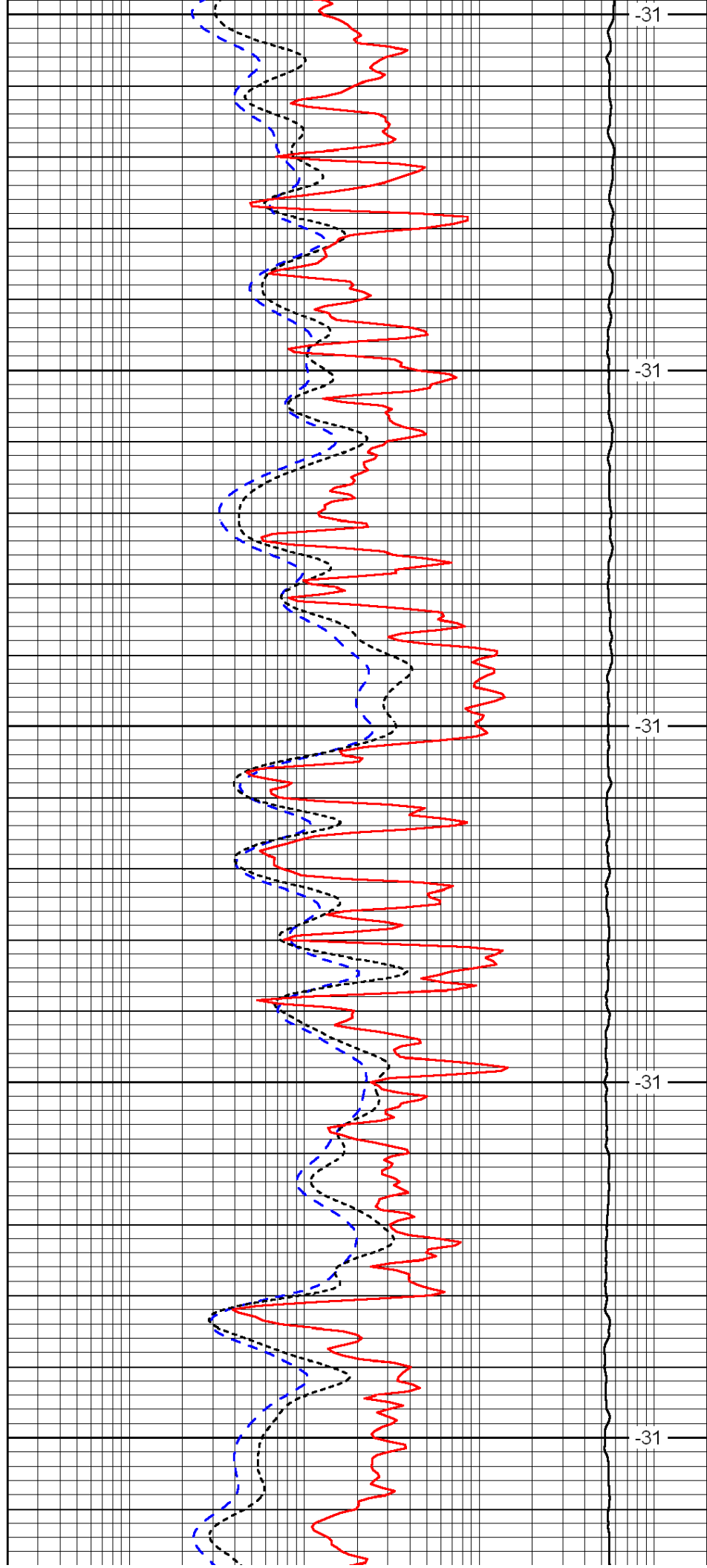
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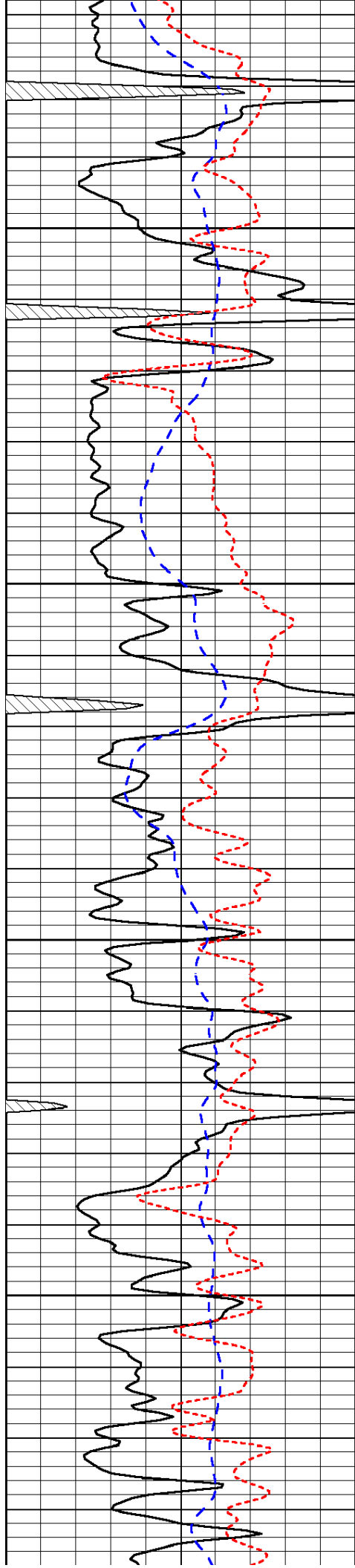
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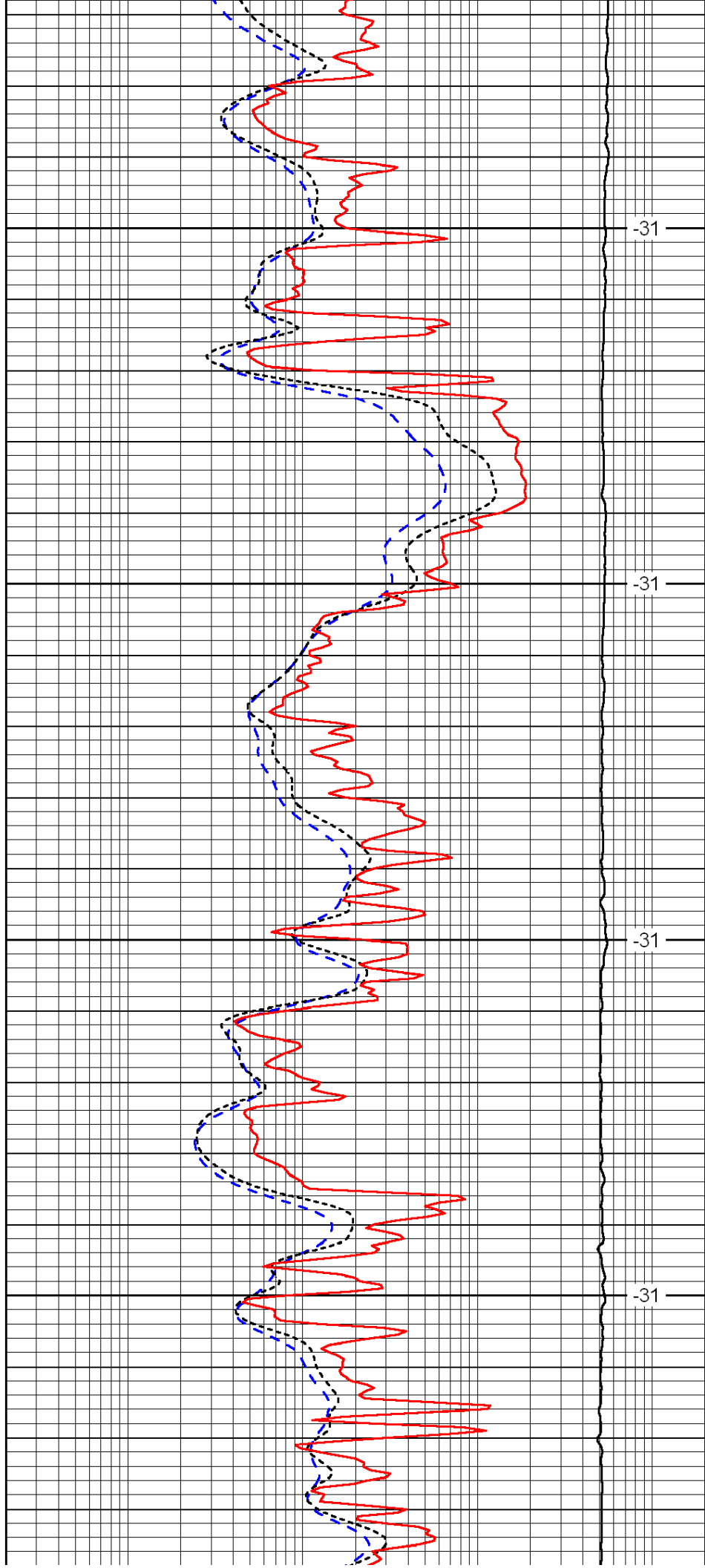


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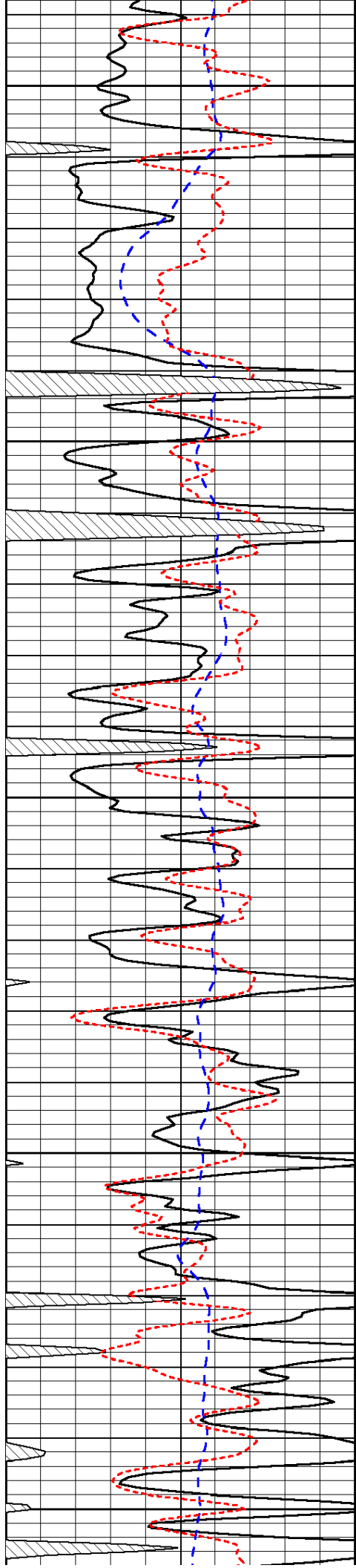


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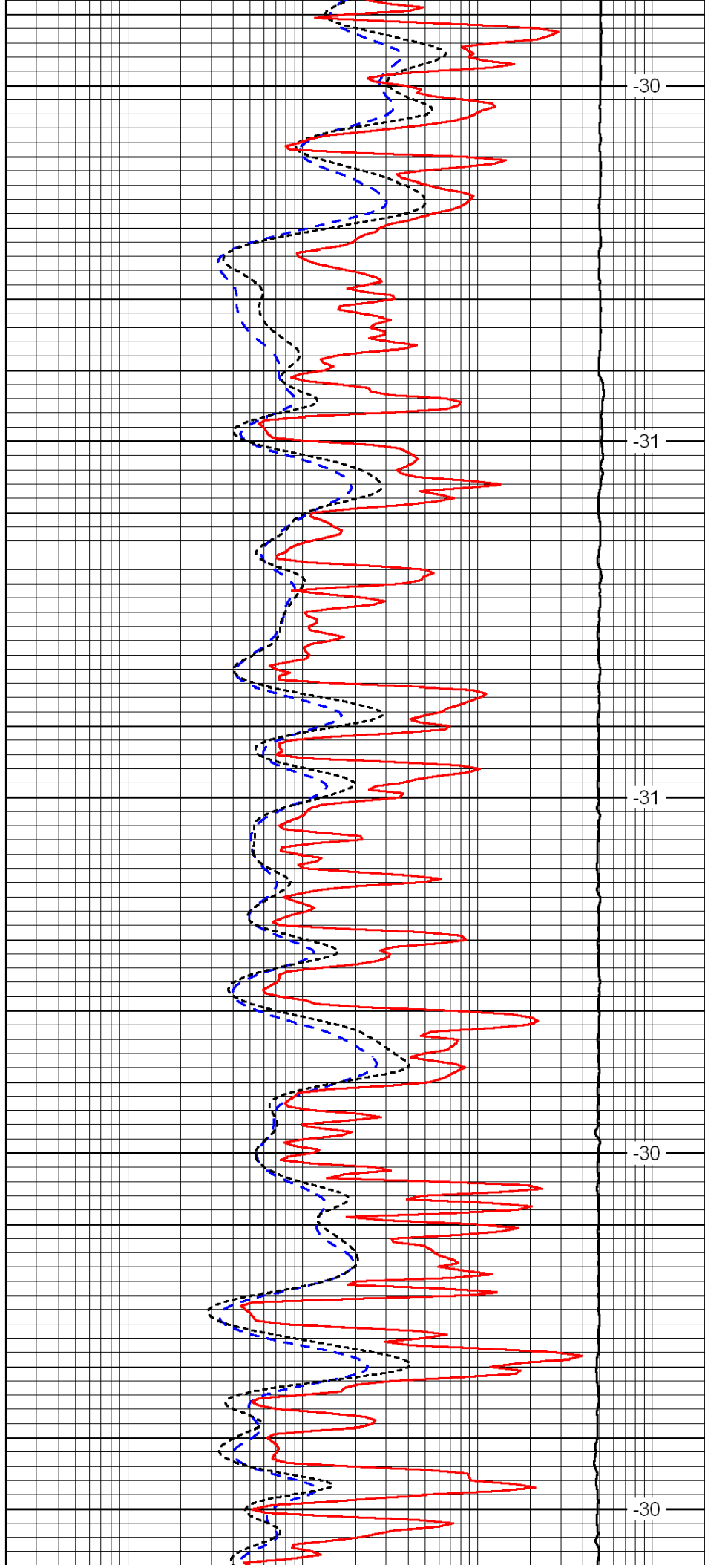
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5150

5200



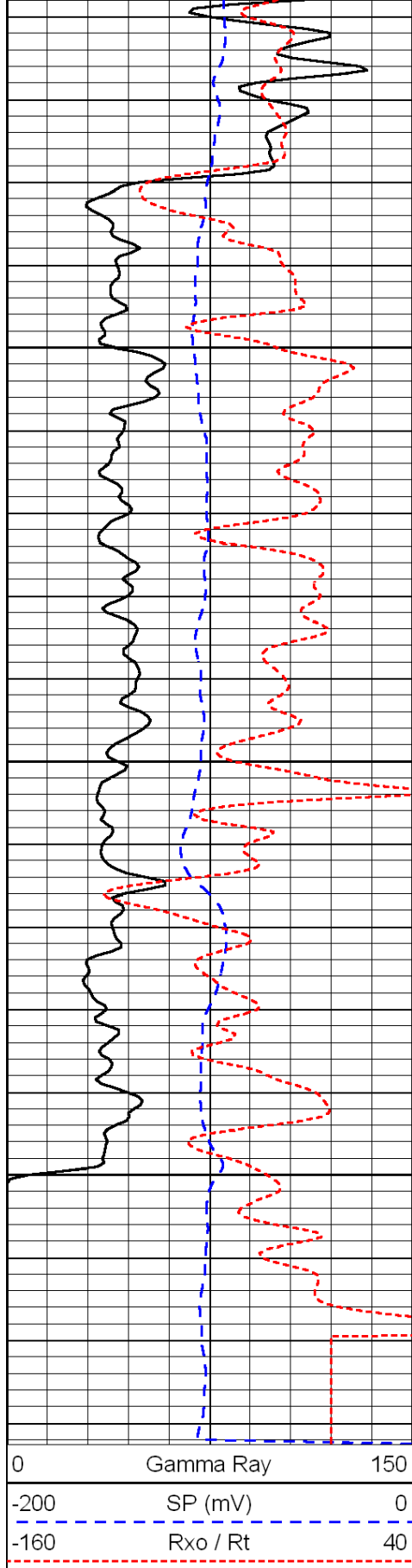
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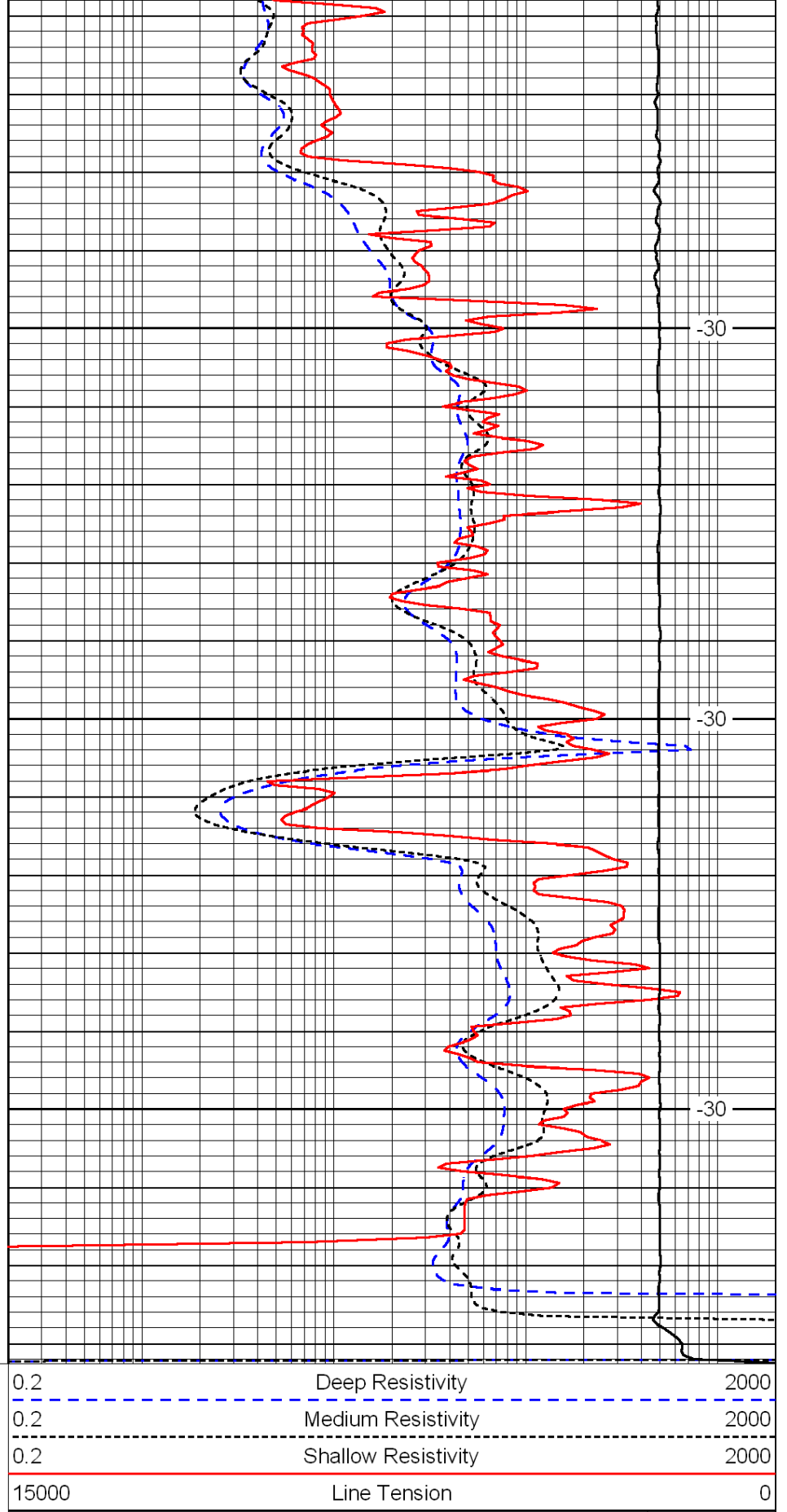
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5250

5300

5350



-30

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LSPD