



Dual Induction Log

Pioneer Energy Services

API No.	Company Murfin Drilling Company, Inc.			
	Well	CLS # 1-35		
	Field	Mike's Meteor		
	County	Stafford	State	Kansas
	Location	330' FSL & 330' FWL		
	Sec: 35	Twp: 22 S	Rge: 12 W	Other Services CNL/CDL MEL/BHCS
Permanent Datum	Ground Level		Elevation 1831	Elevation
Log Measured From	Kelly Bushing		11 Ft. Above Perm. Datum	K.B. 1842 D.F. 1831 G.L. 1831
Drilling Measured From	Kelly Bushing			
Date	8/21/2014			
Run Number	One			
Depth Driller	4615			
Depth Logger	4611			
Bottom Logged Interval	4610			
Top Log Interval	0			
Casing Driller	8.625 @ 643			
Casing Logger	641			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity, ppm CL	13,700			
Density / Viscosity	9.5 62			
pH / Fluid Loss	10.0 9.2			
Source of Sample	Flowline			
Rm @ Meas. Temp	0.28 @ 75			
Rmf @ Meas. Temp	0.21 @ 75			
Rmc @ Meas. Temp	0.38 @ 75			
Source of Rmf / Rmc	Charts			
Rm @ BHT	0.18 @ 115			
Operating Rig Time	4 1/2 Hours			
Max Rec. Temp. F	115			
Equipment Number	15			
Location	Hays			
Recorded By	Y. Ruiz			
Witnessed By	Chuck Schmalz			

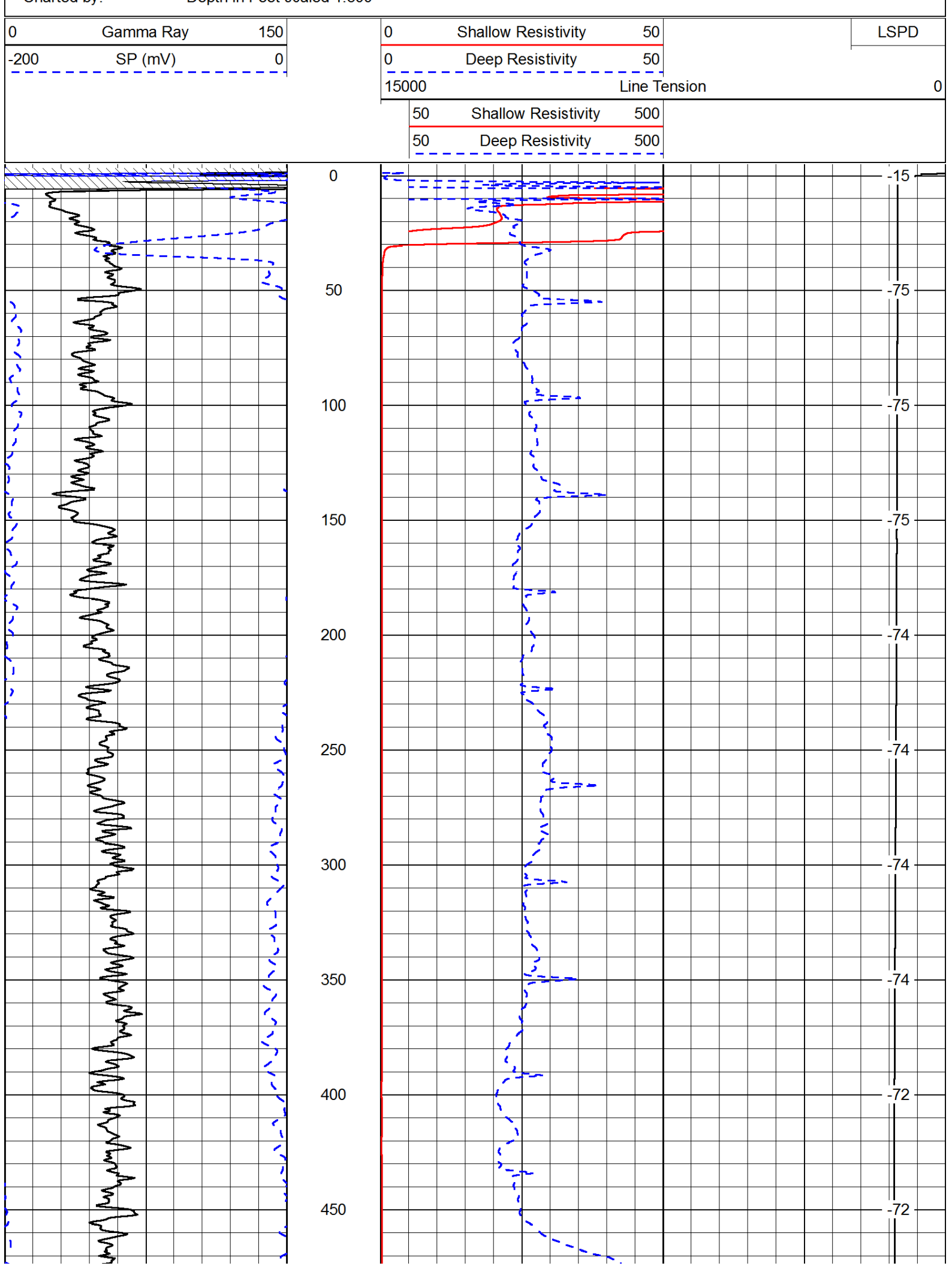
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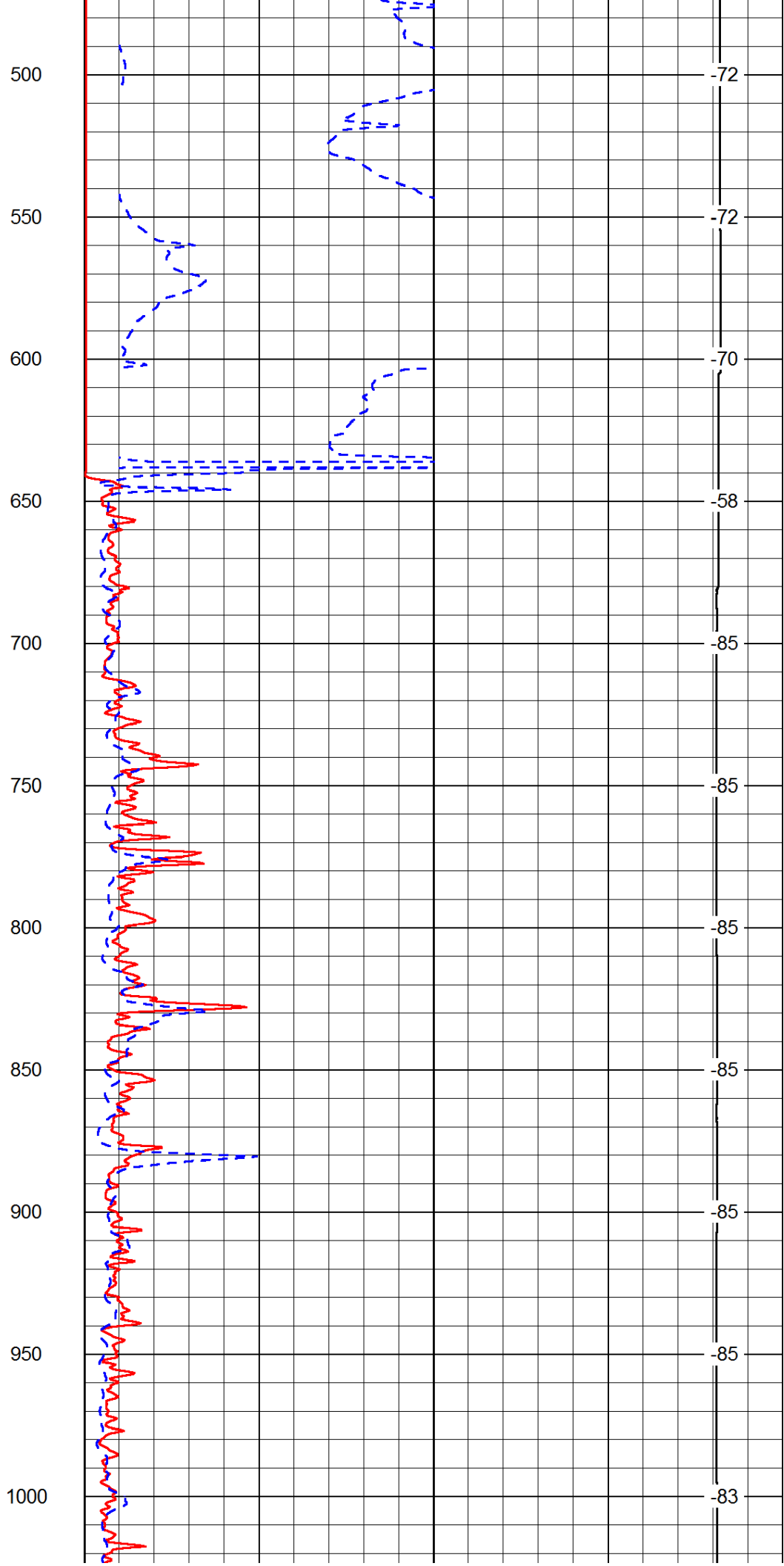
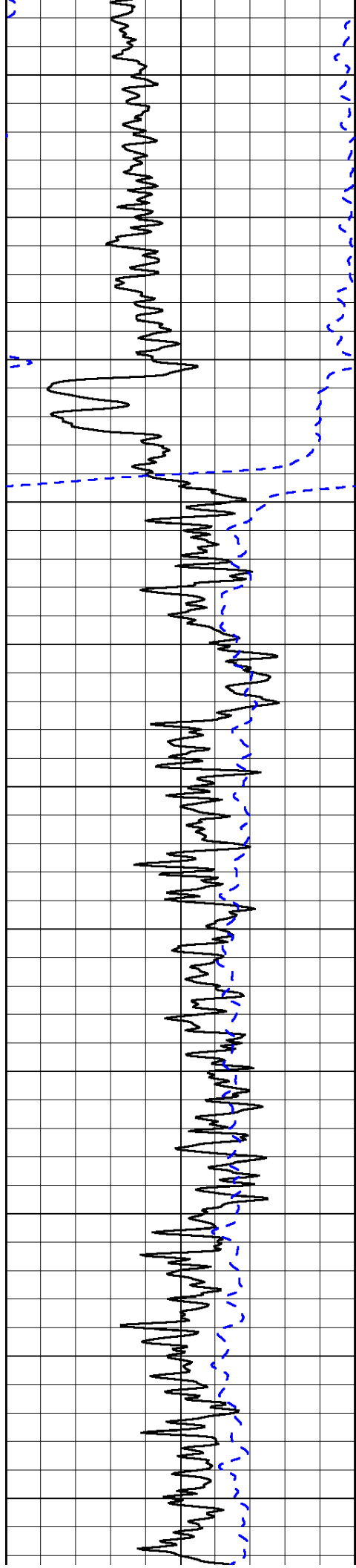
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

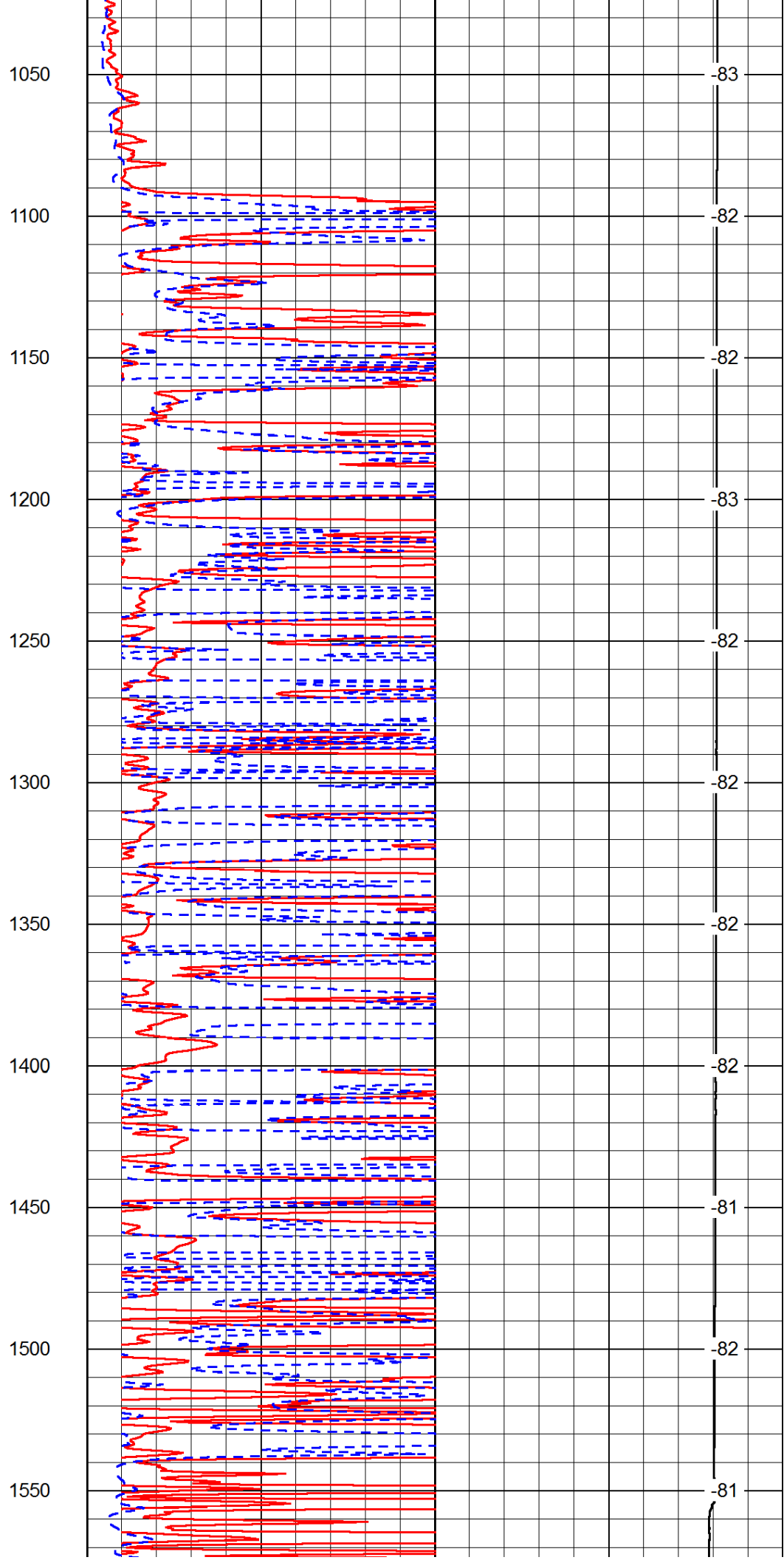
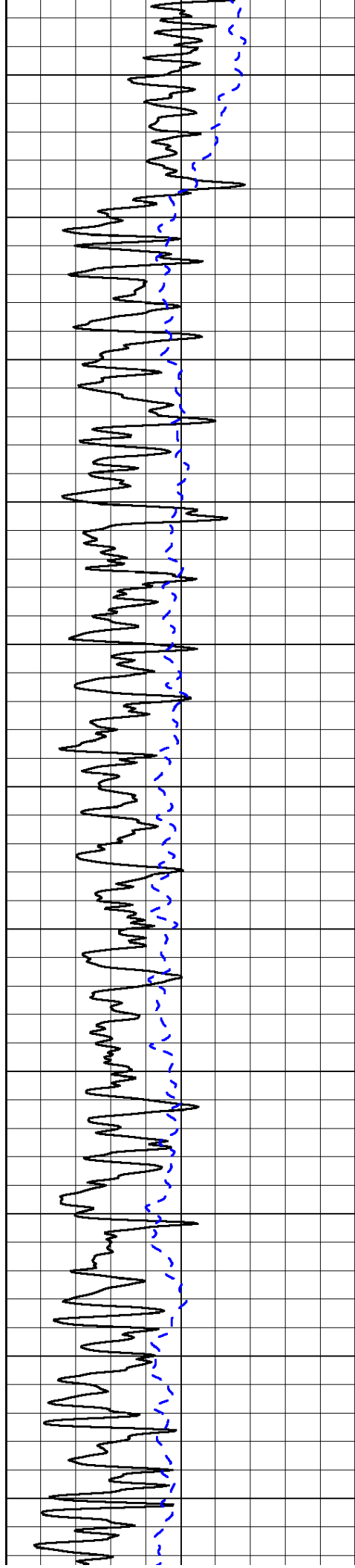
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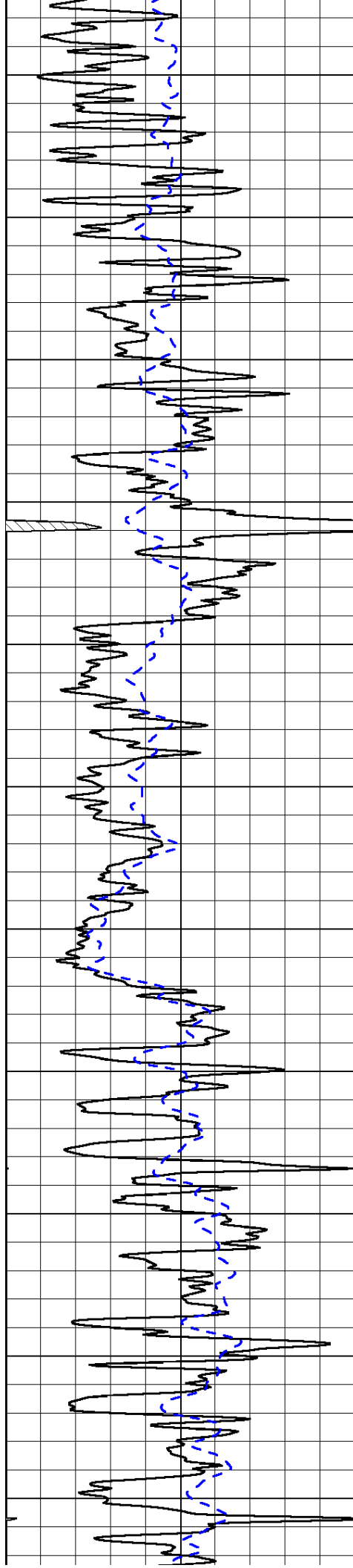
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
St. John,
North to 4 Th Street, East to 70 Th Ave, 2 North,
East into

Database File: c:\warrior\data\murfin_kls # 1-35\murfin_kls_1_35_hd2.db
Dataset Pathname: DIL\murstk2
Presentation Format: dil2in
Dataset Creation: Thu Aug 21 11:57:14 2014
Charted by: Depth in Feet scaled 1:600









1600

1650

1700

1750

1800

1850

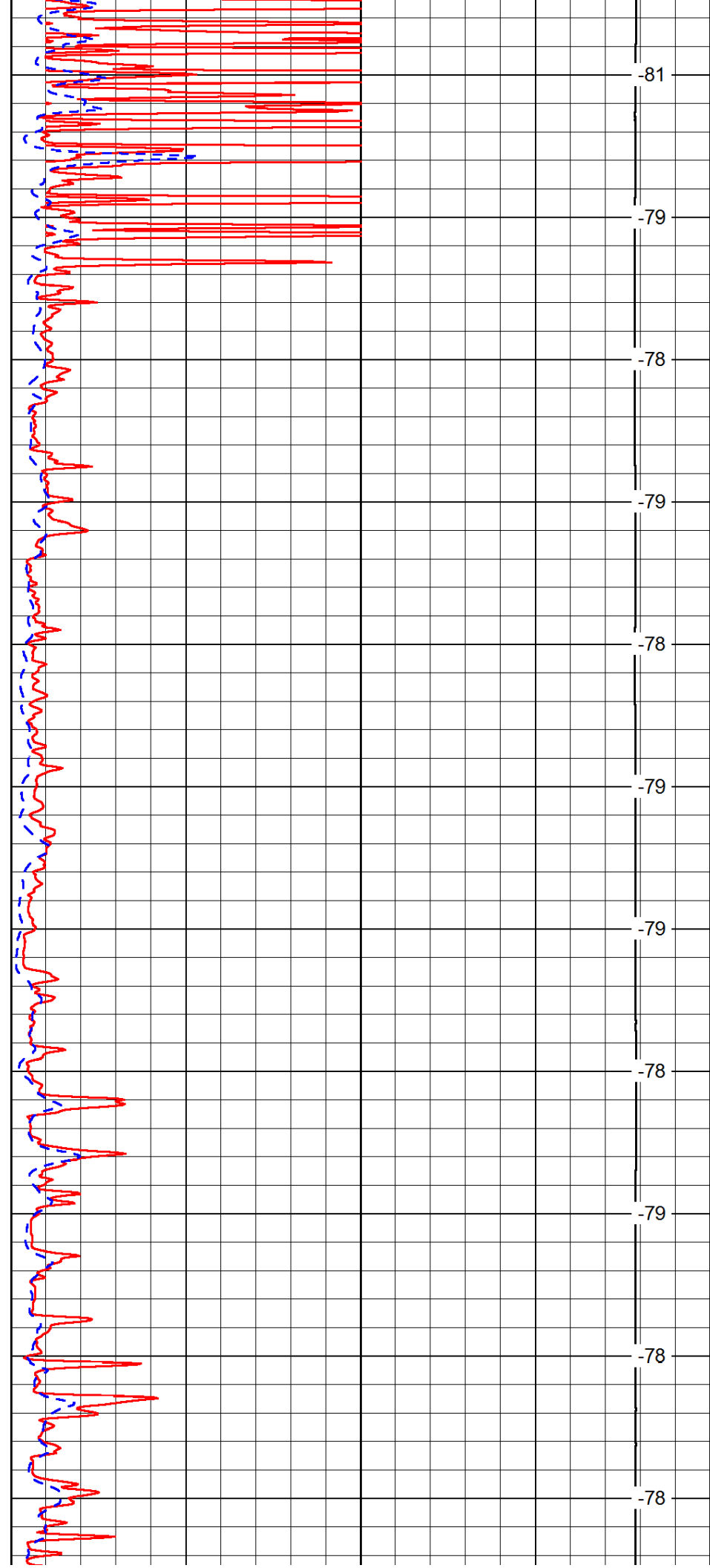
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1950

2000

2050

2100



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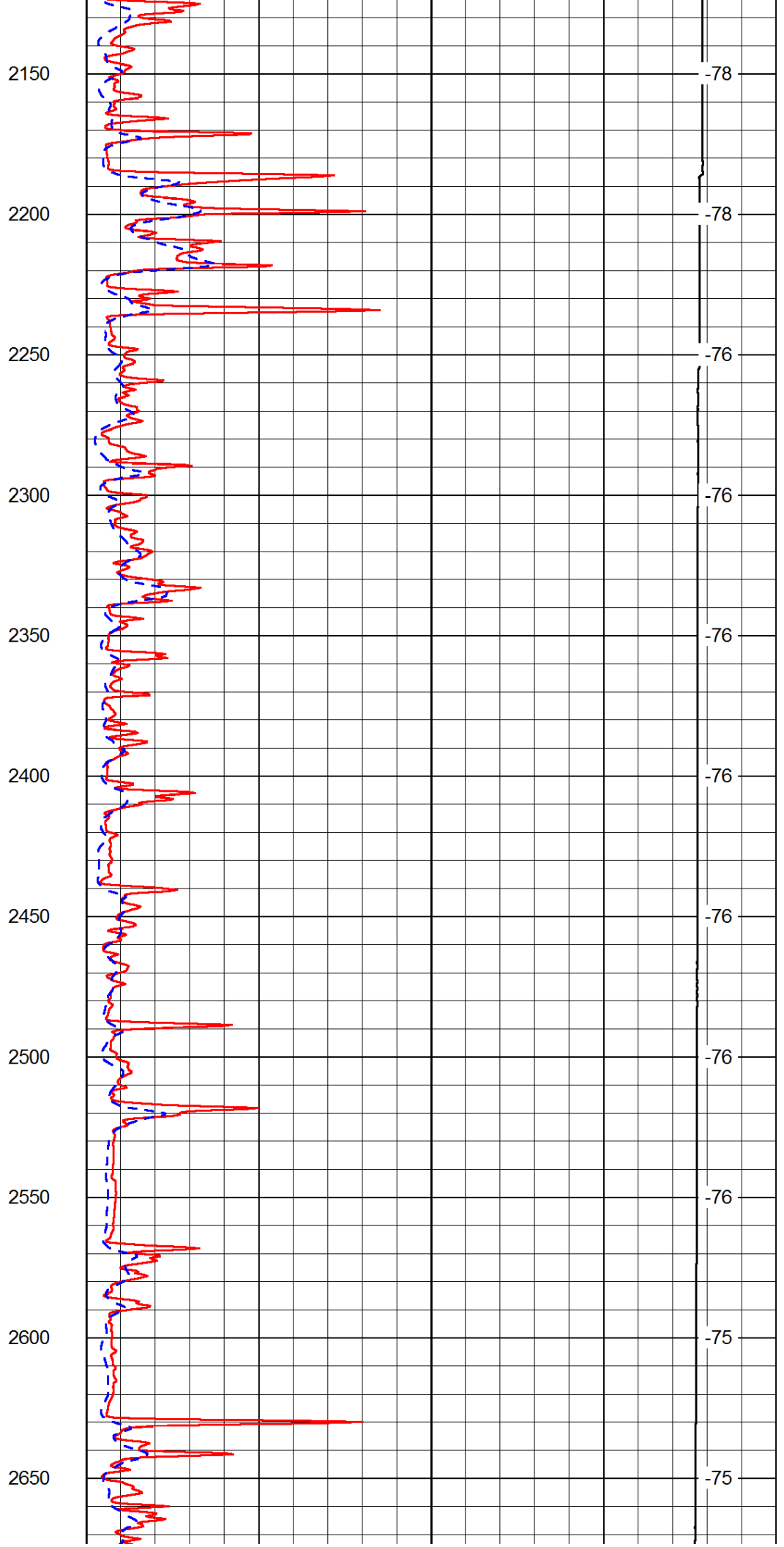
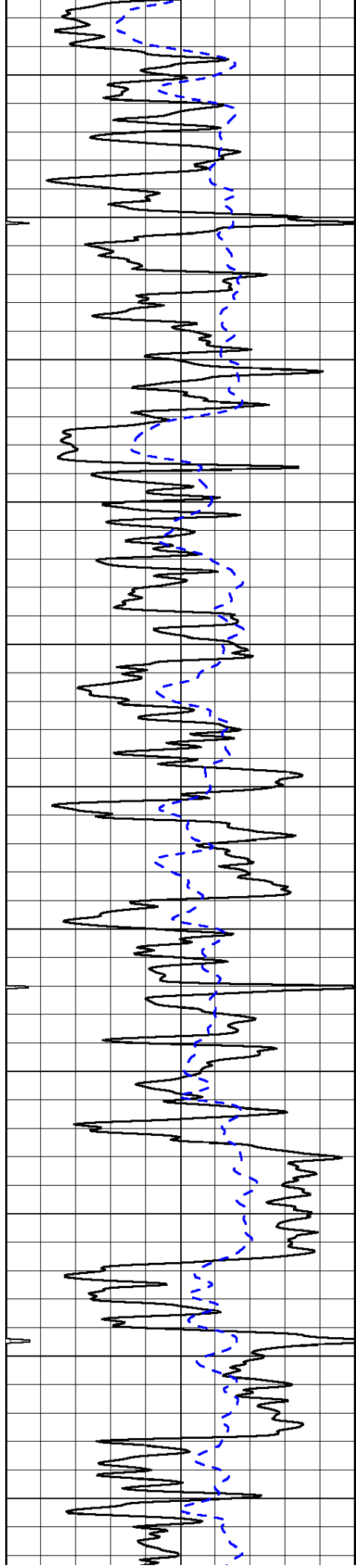
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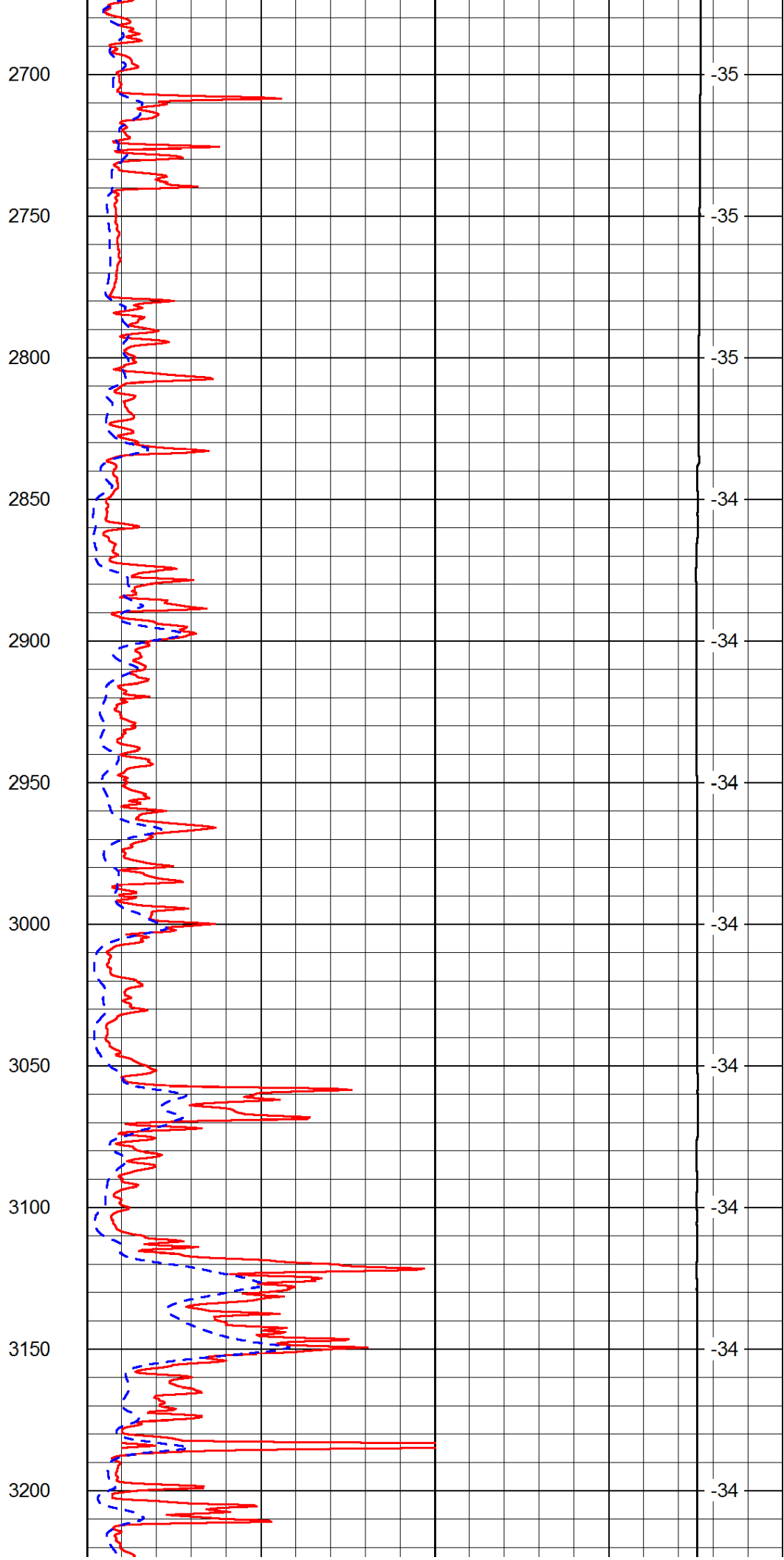
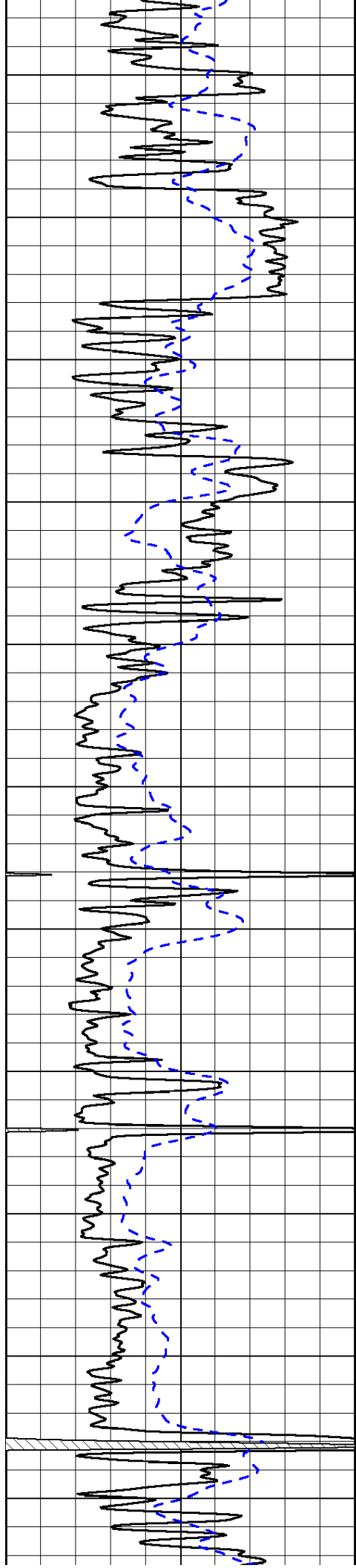
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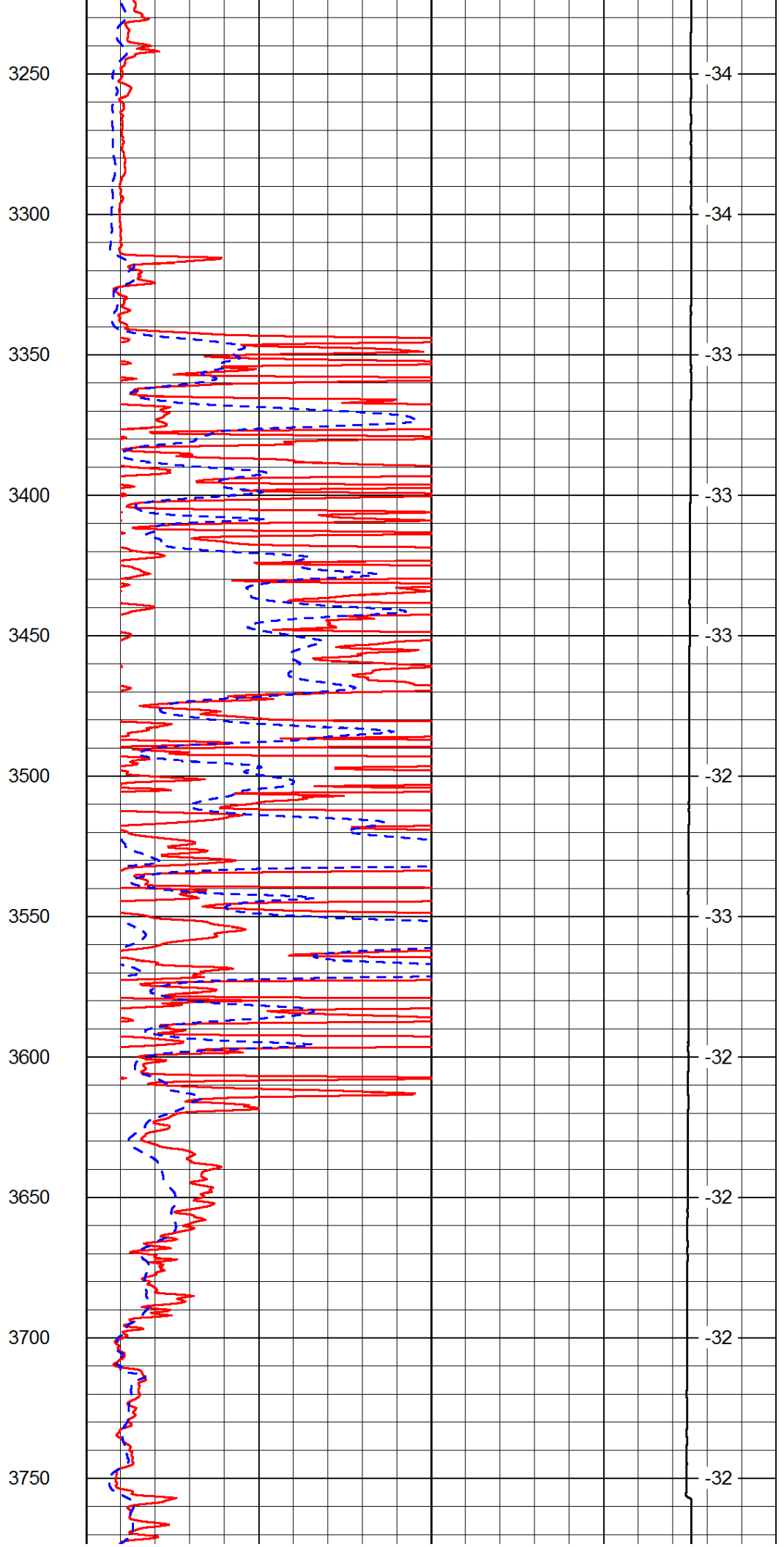
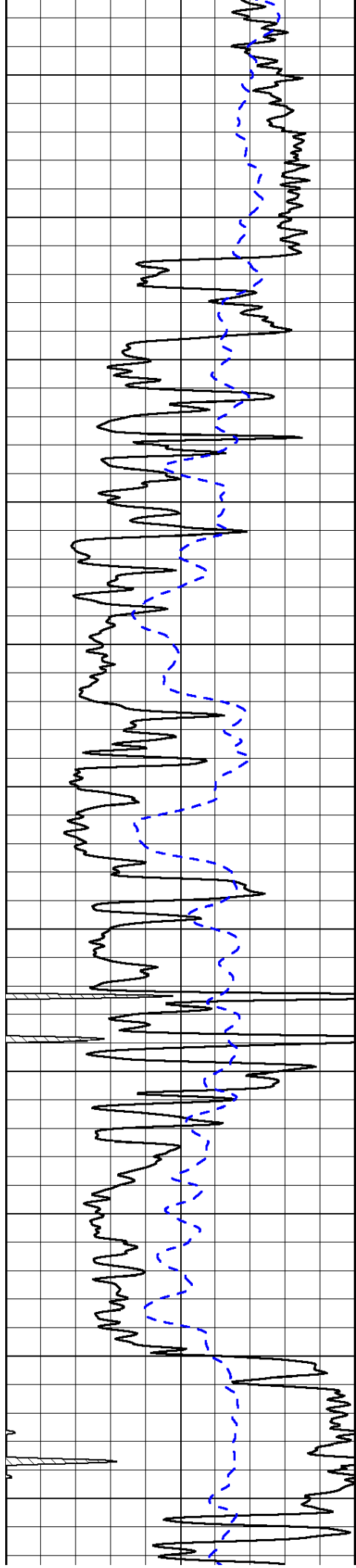
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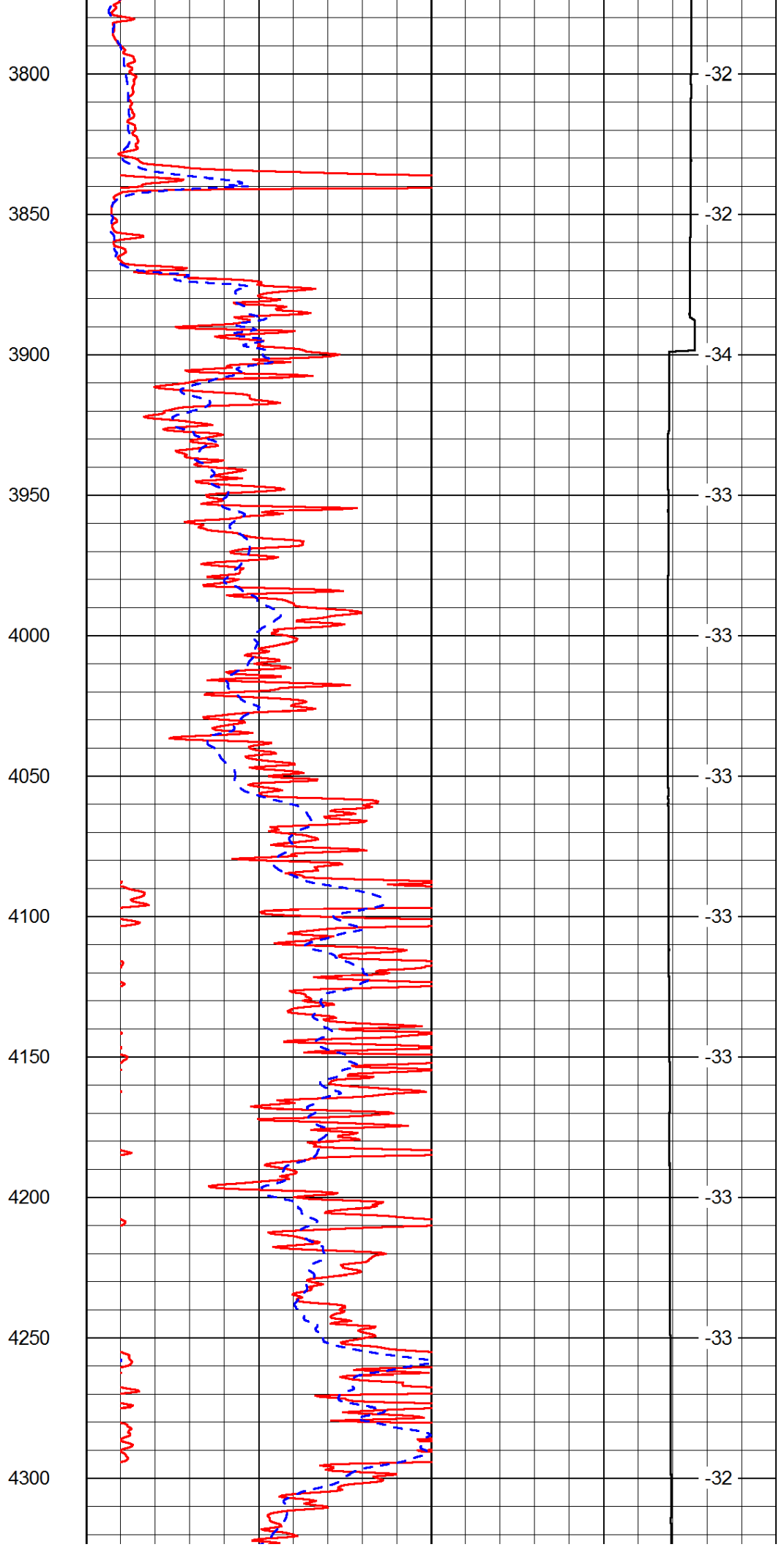
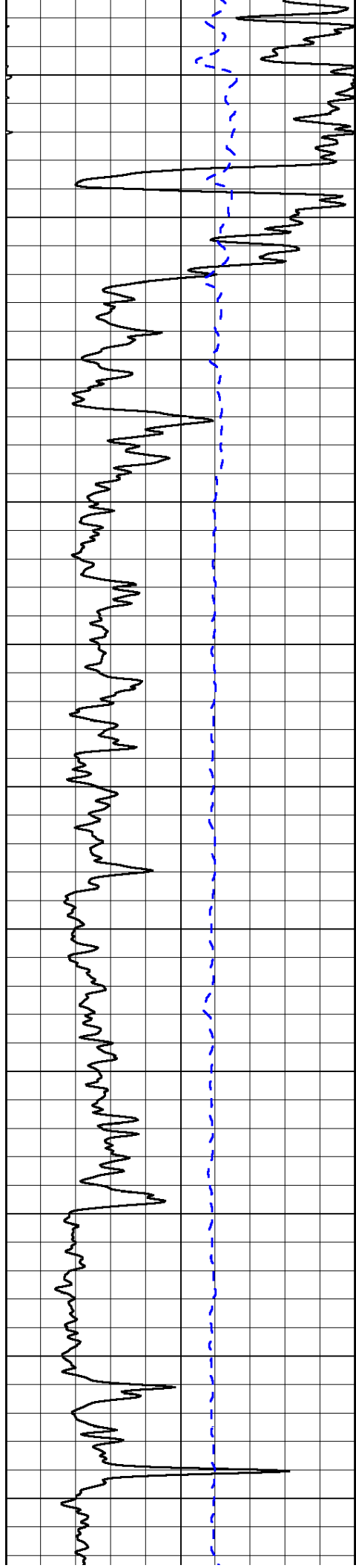
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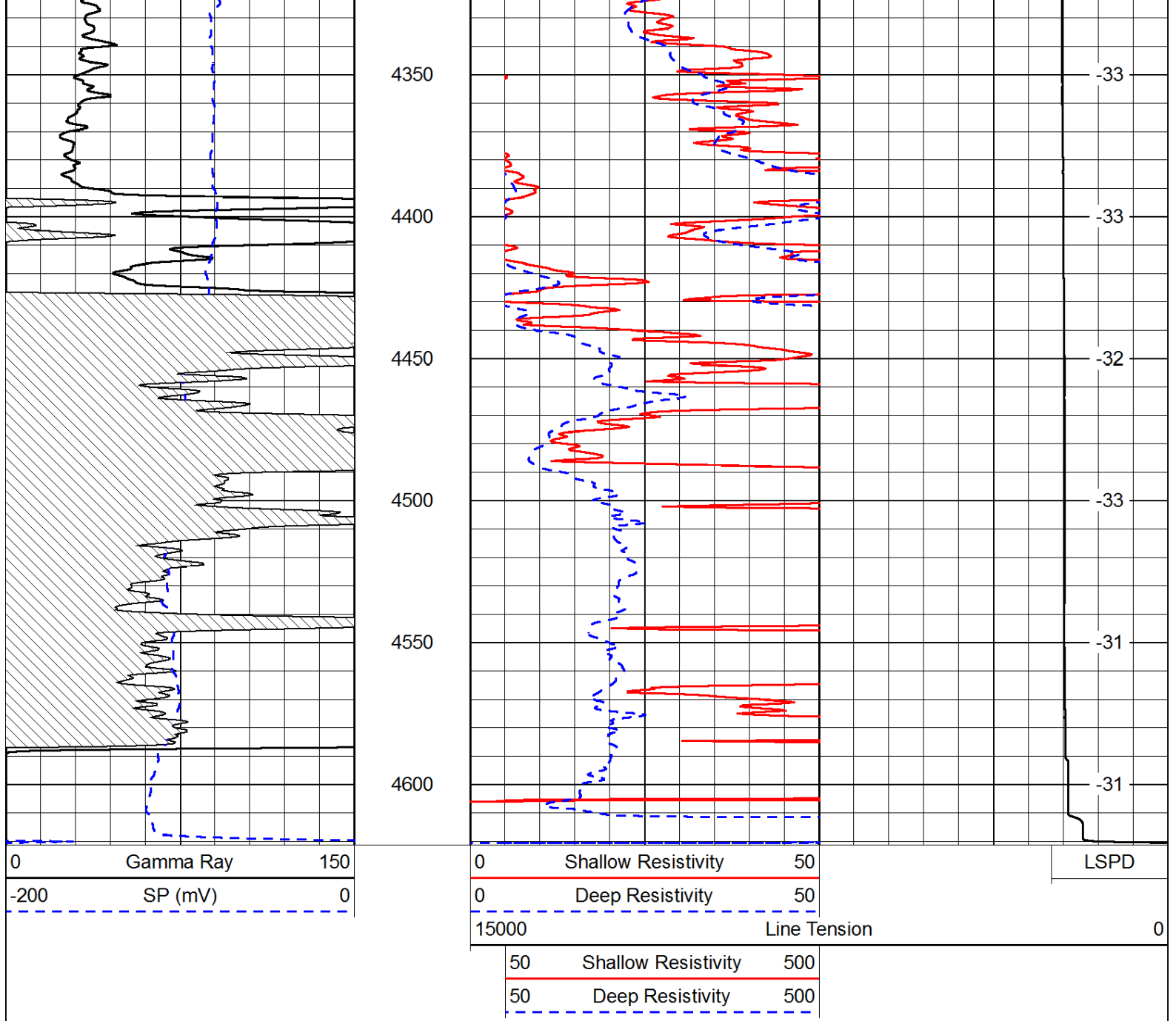
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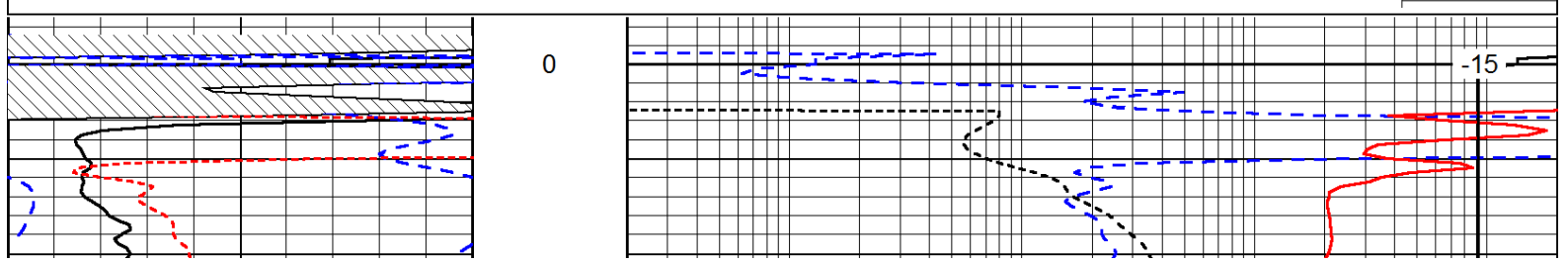
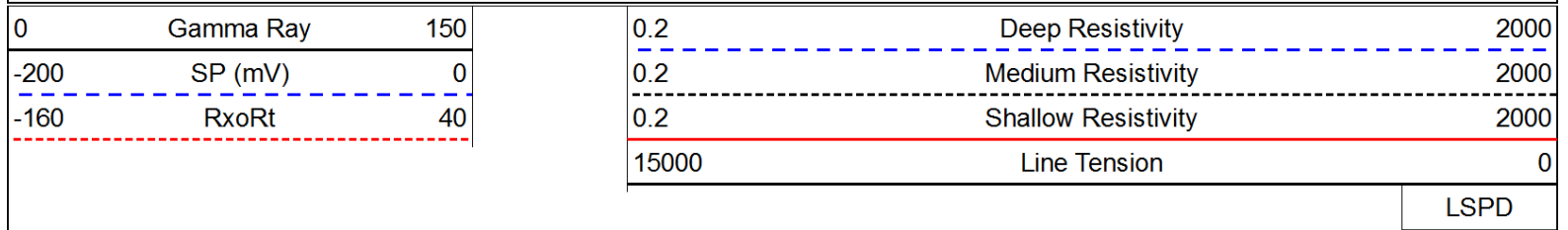


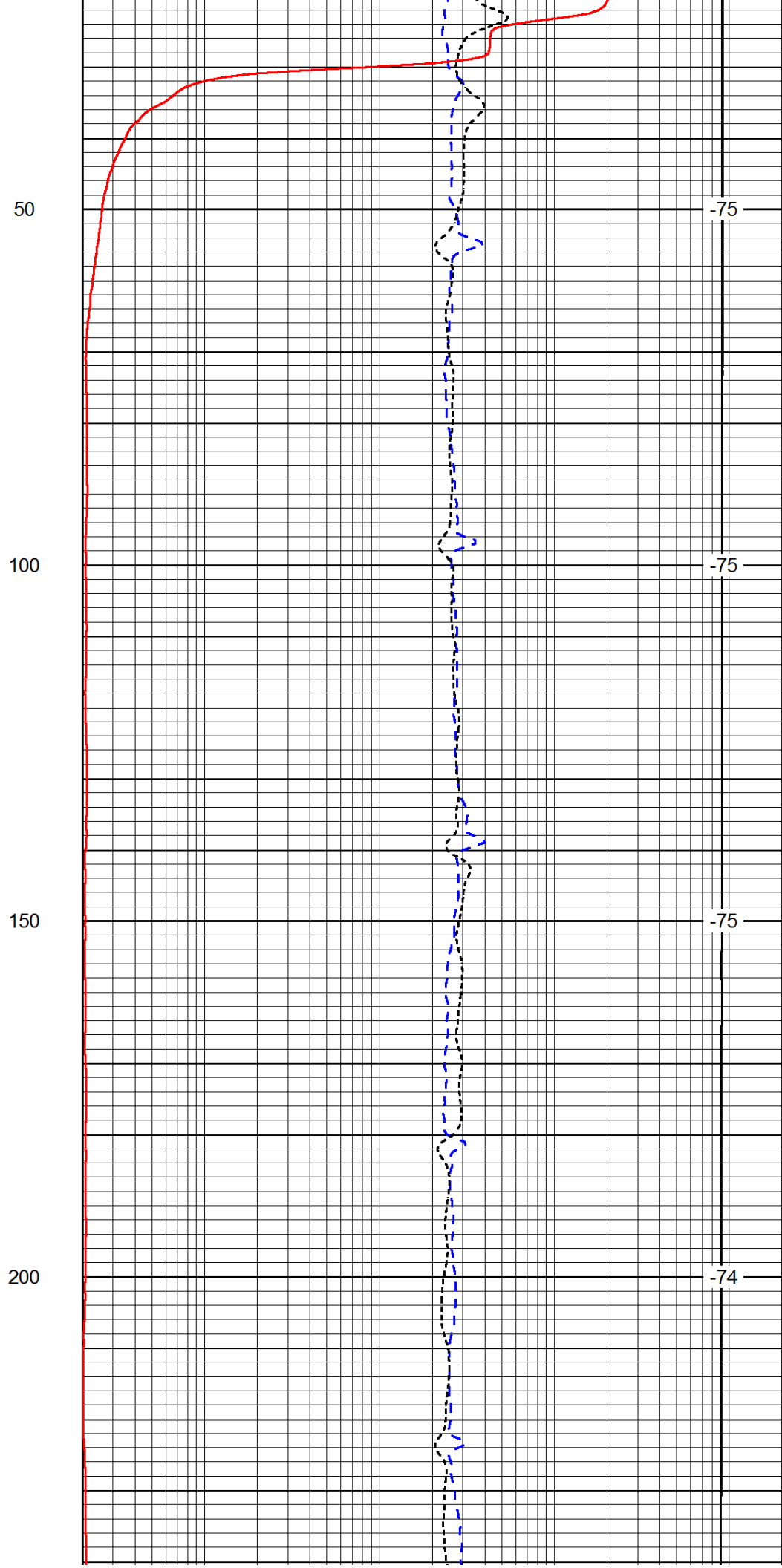
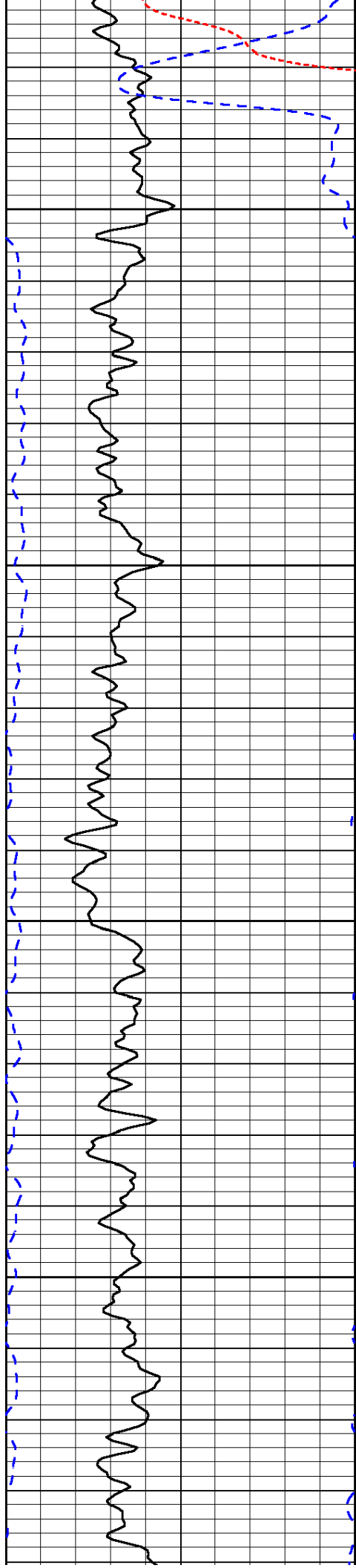


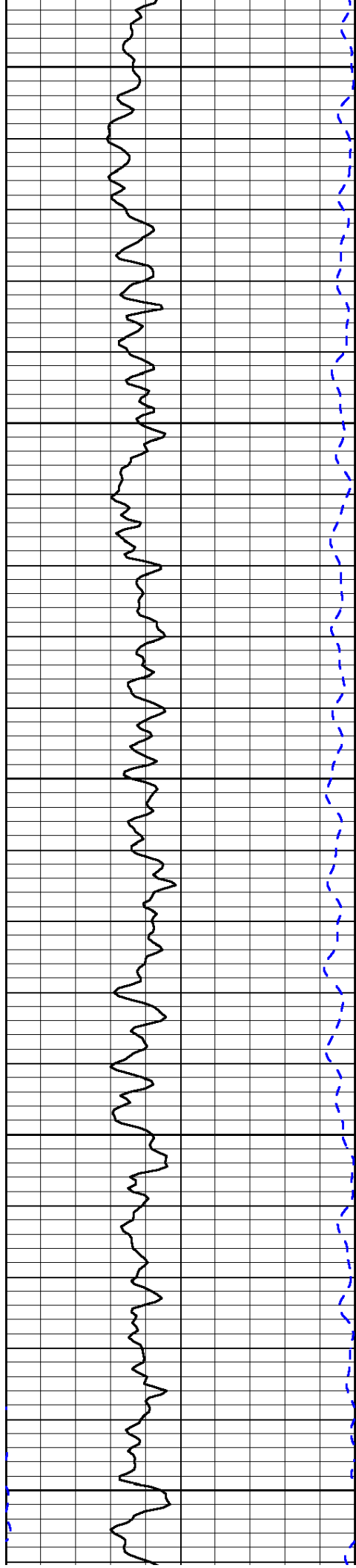




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 Dataset Pathname: DIL/murstk2
 Presentation Format: dil
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 Charted by: Depth in Feet scaled 1:240







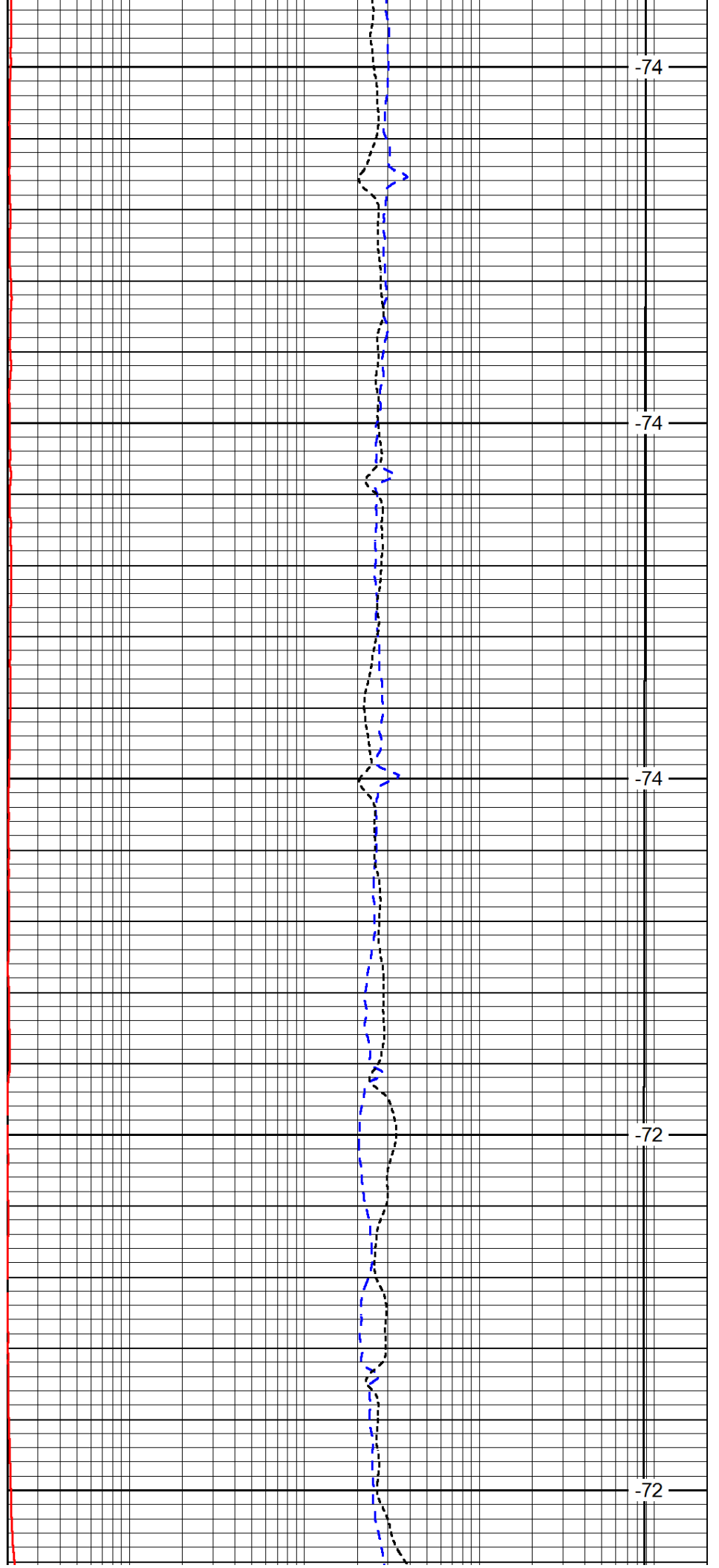
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300

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400

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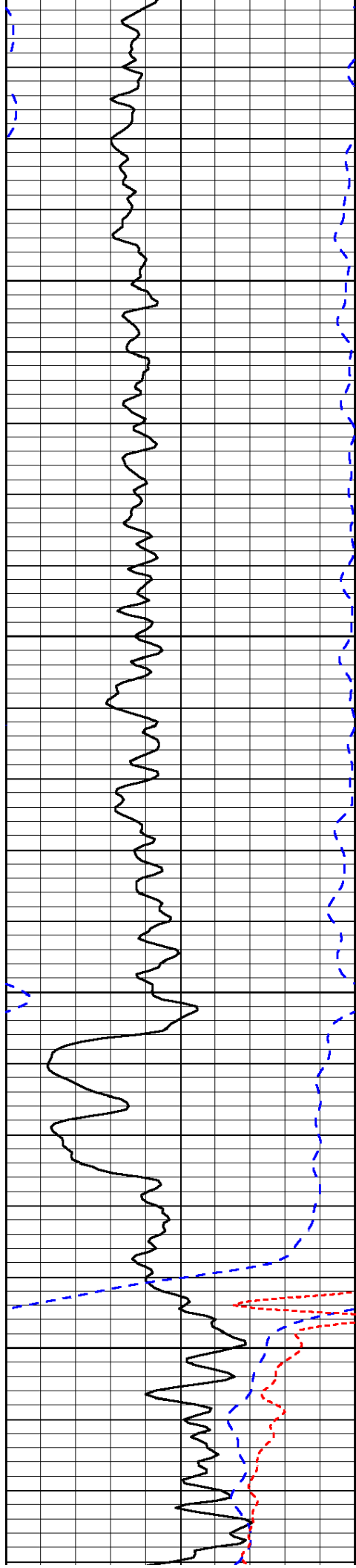
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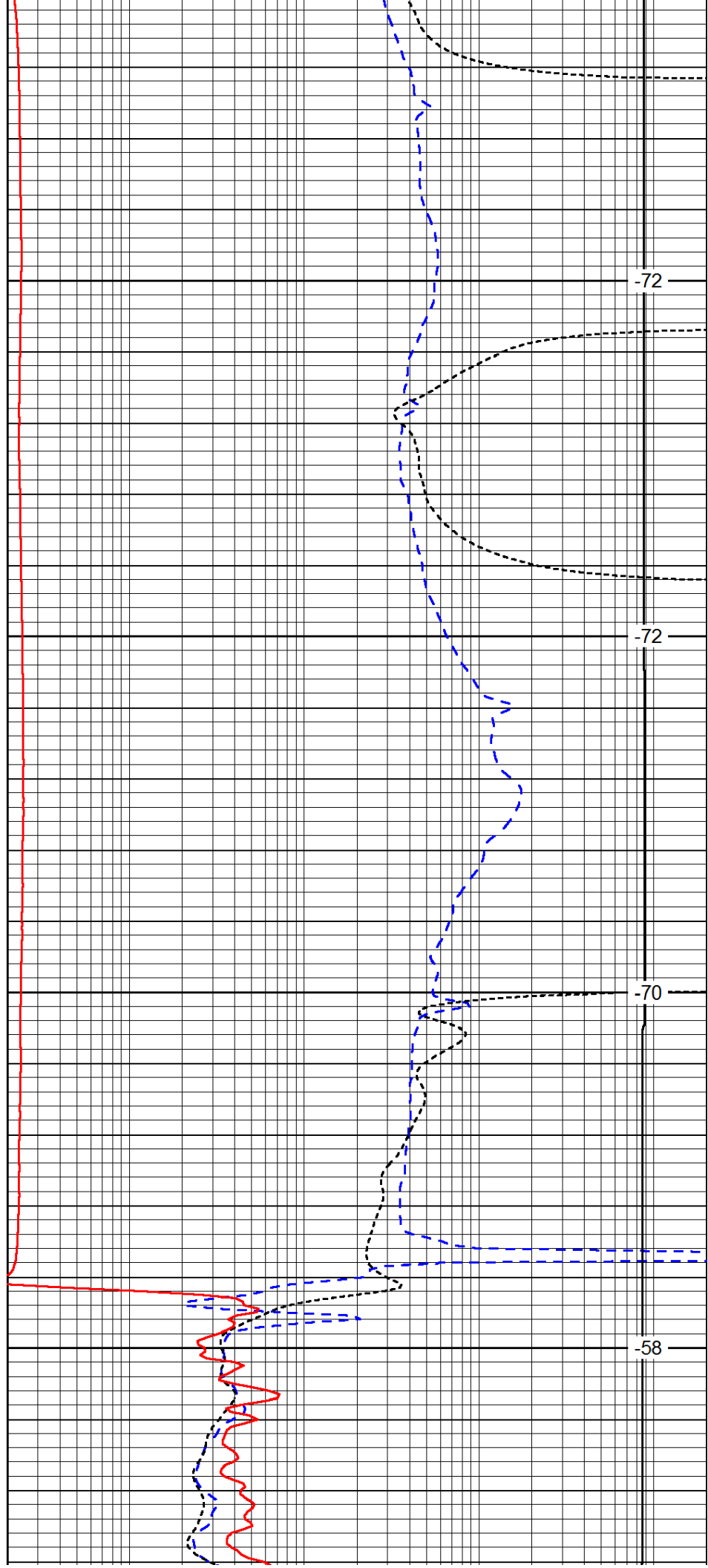


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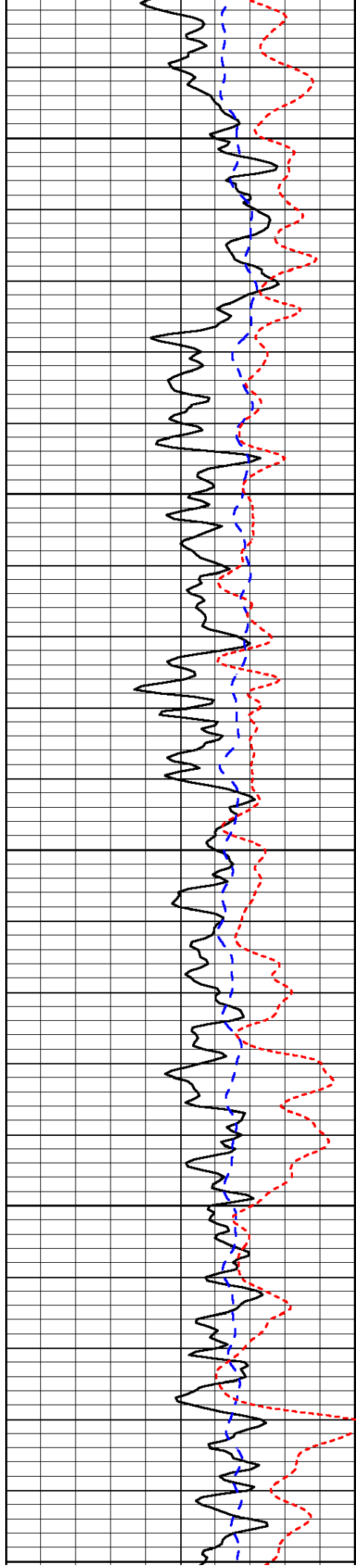


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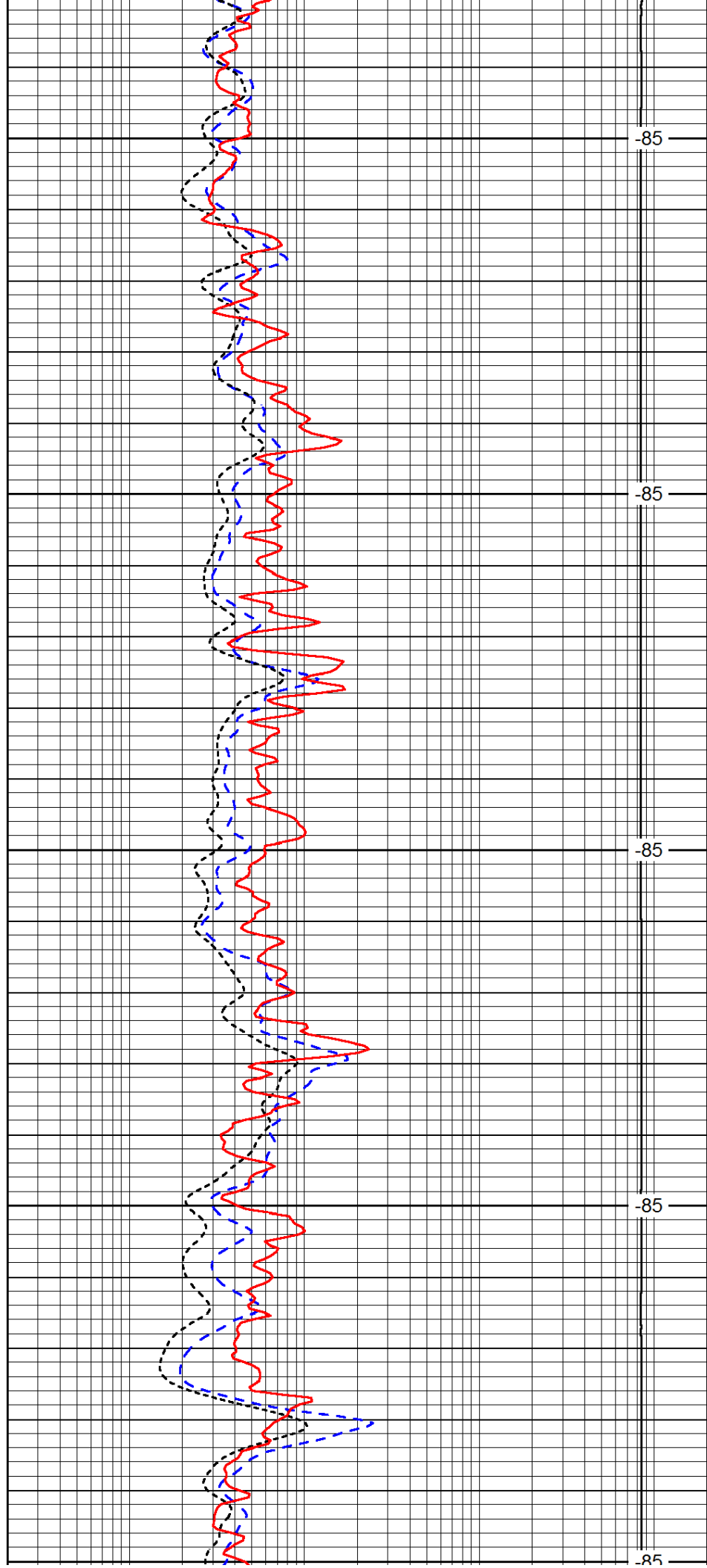
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750

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850

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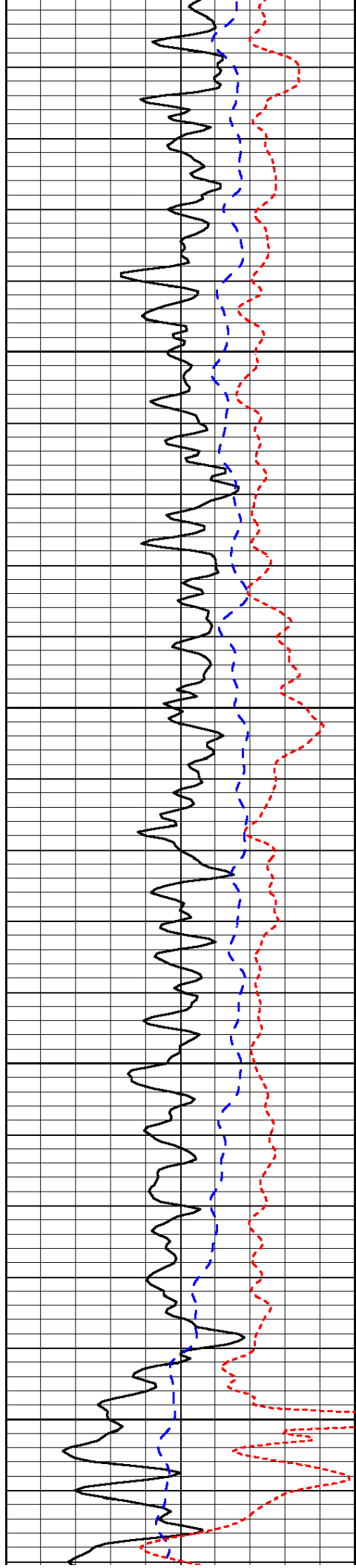
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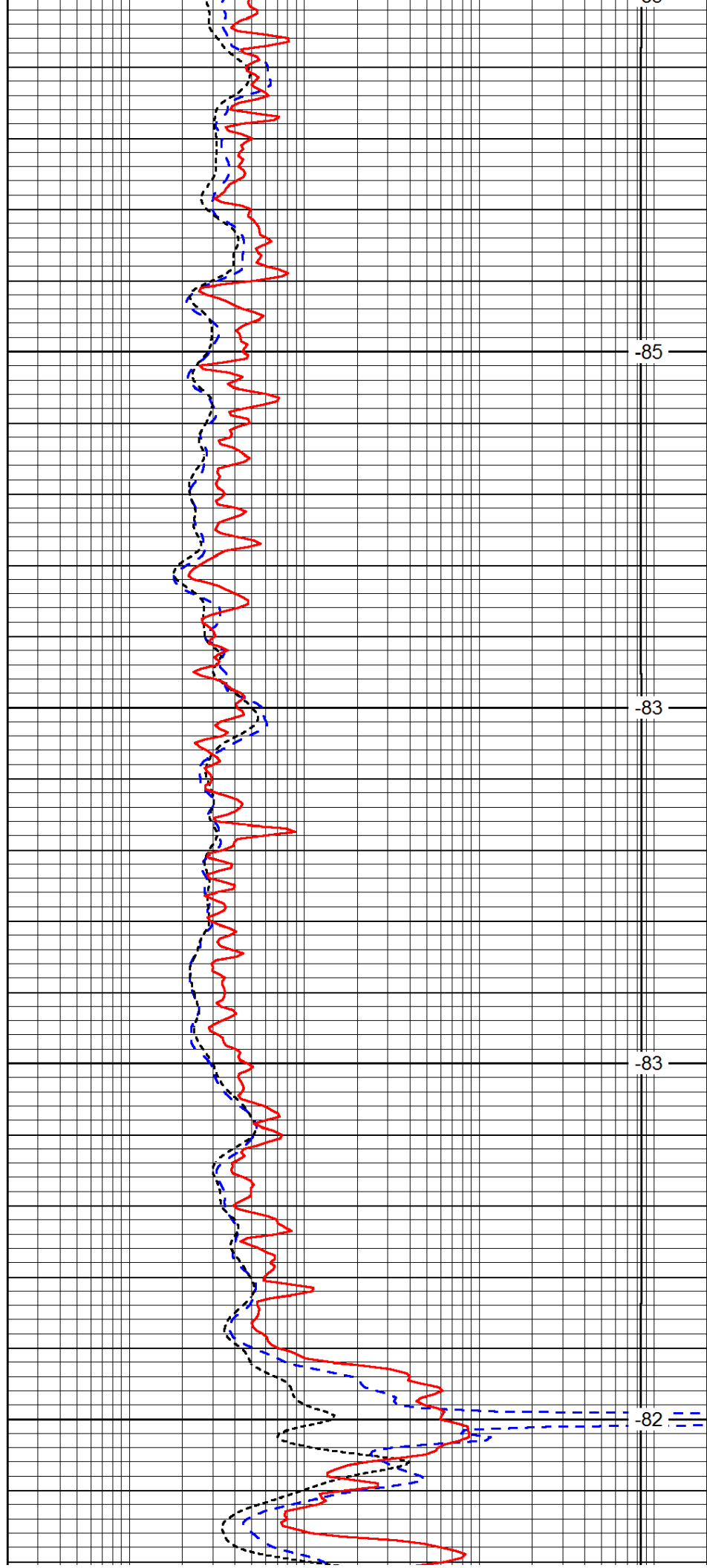
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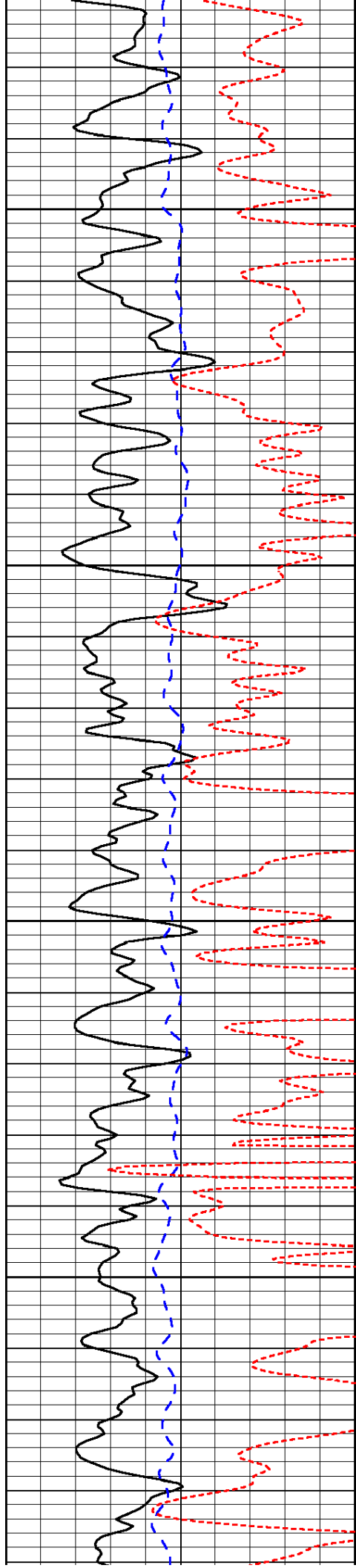


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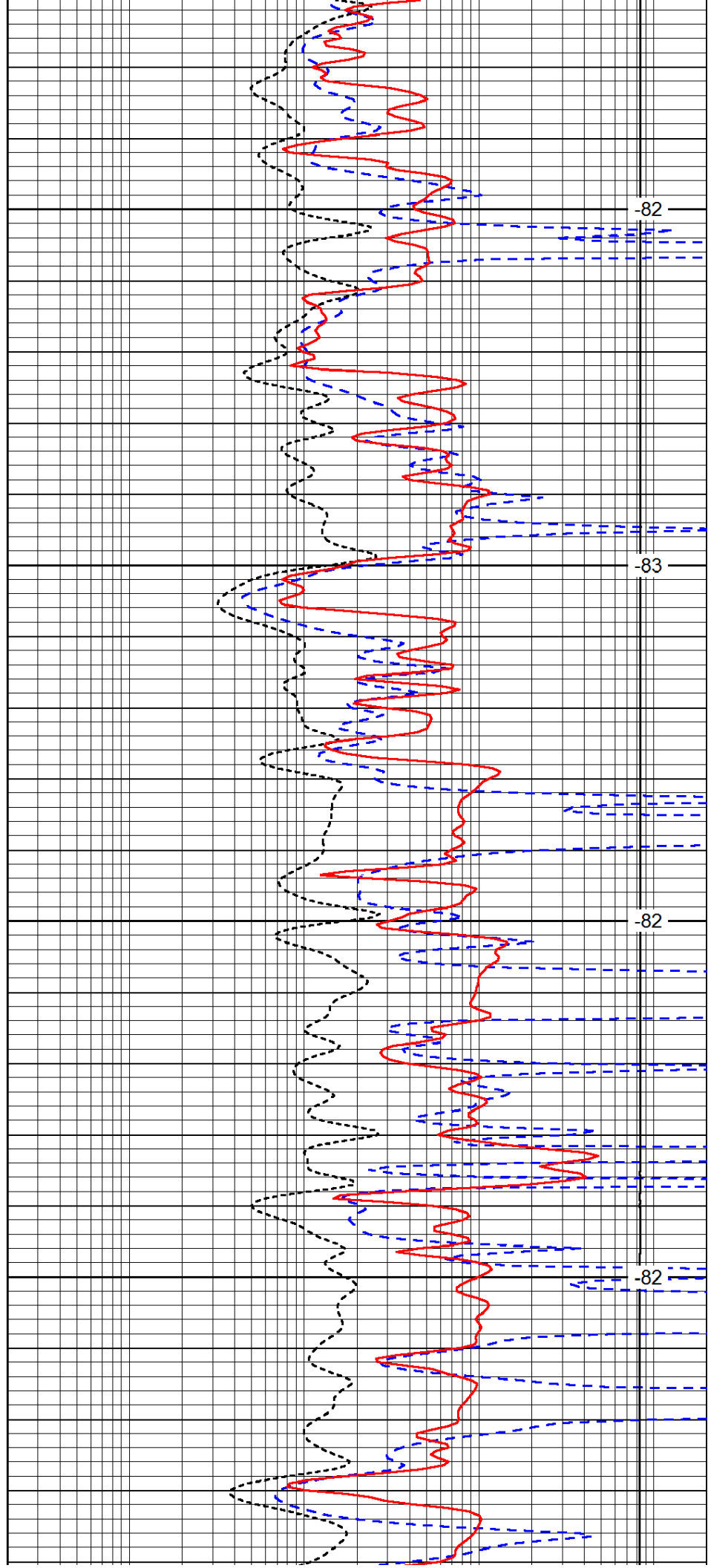


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1200

1250

1300

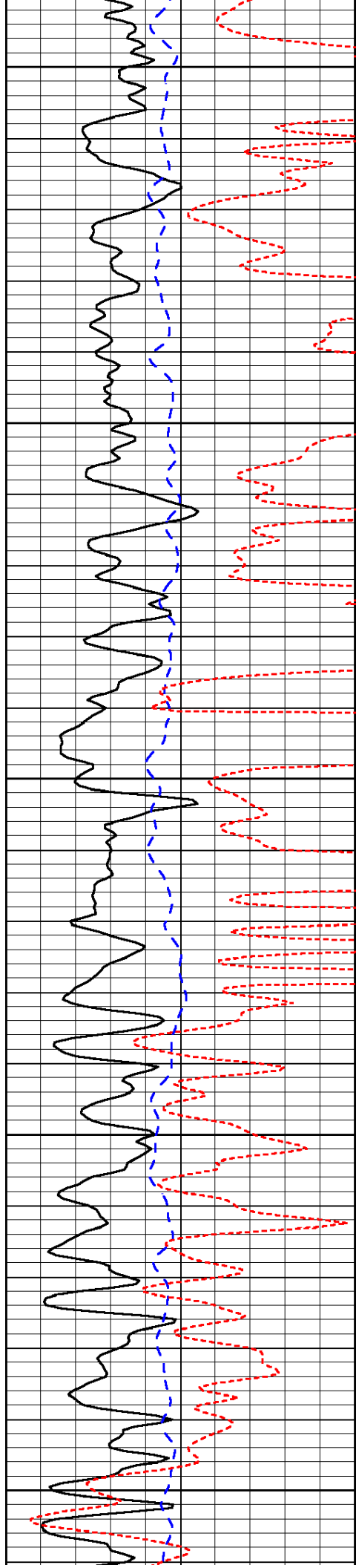


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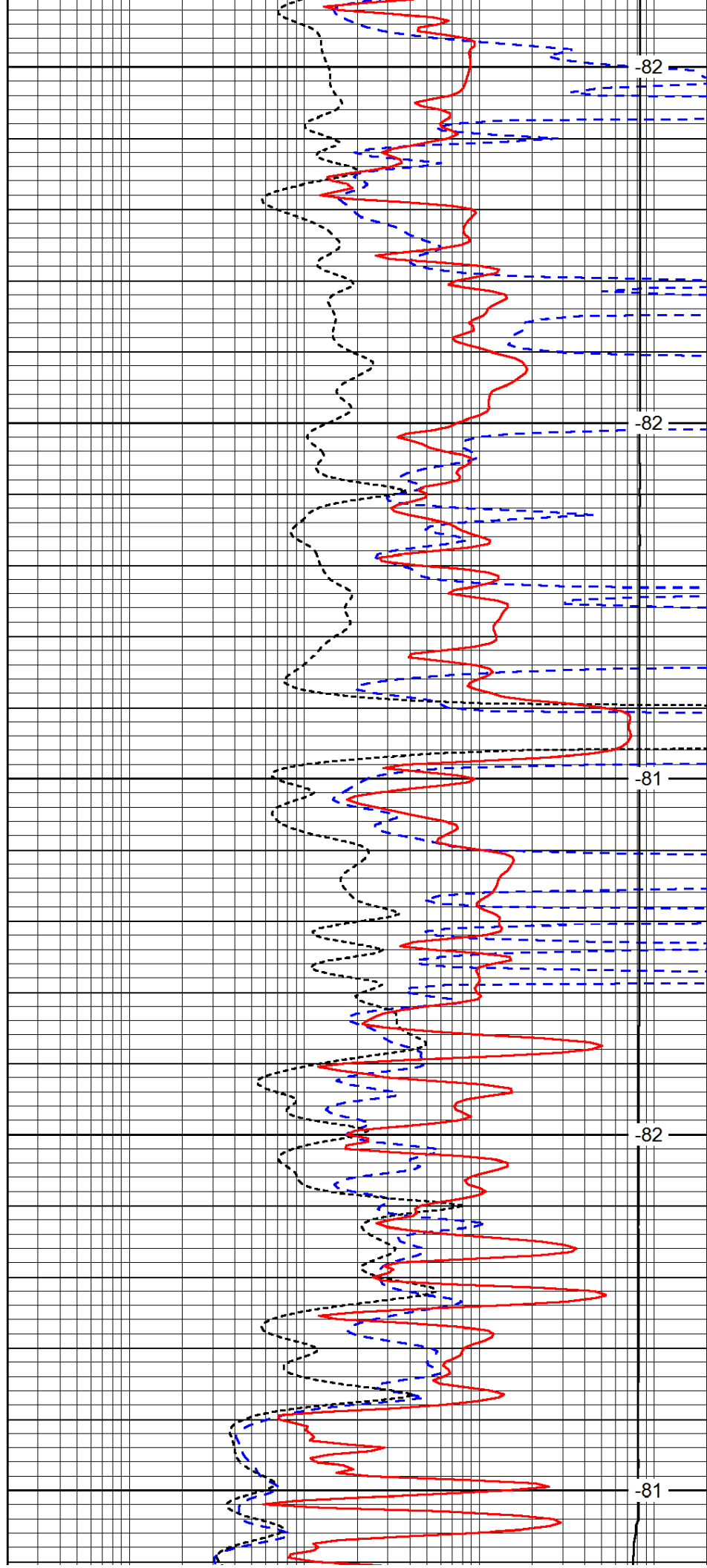
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1400

1450

1500

1550



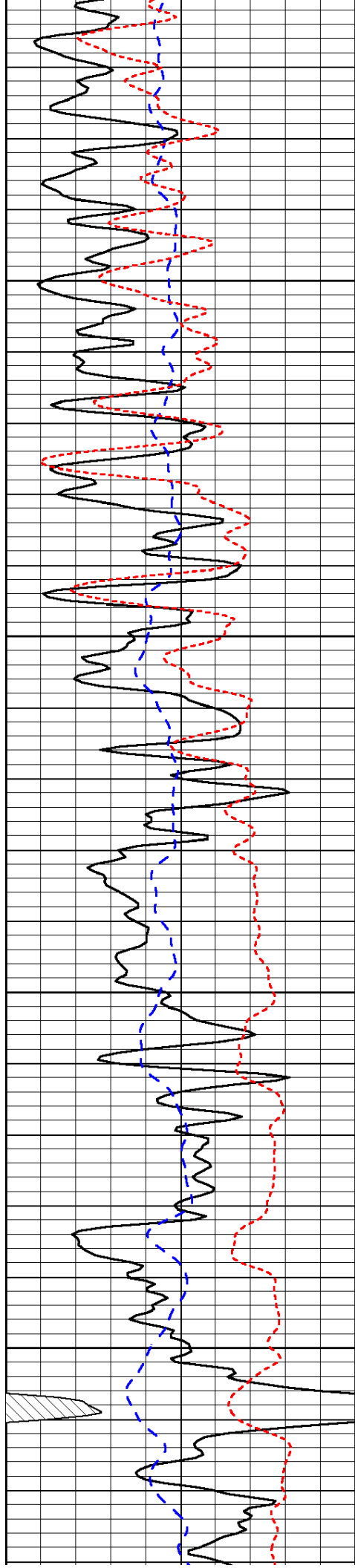
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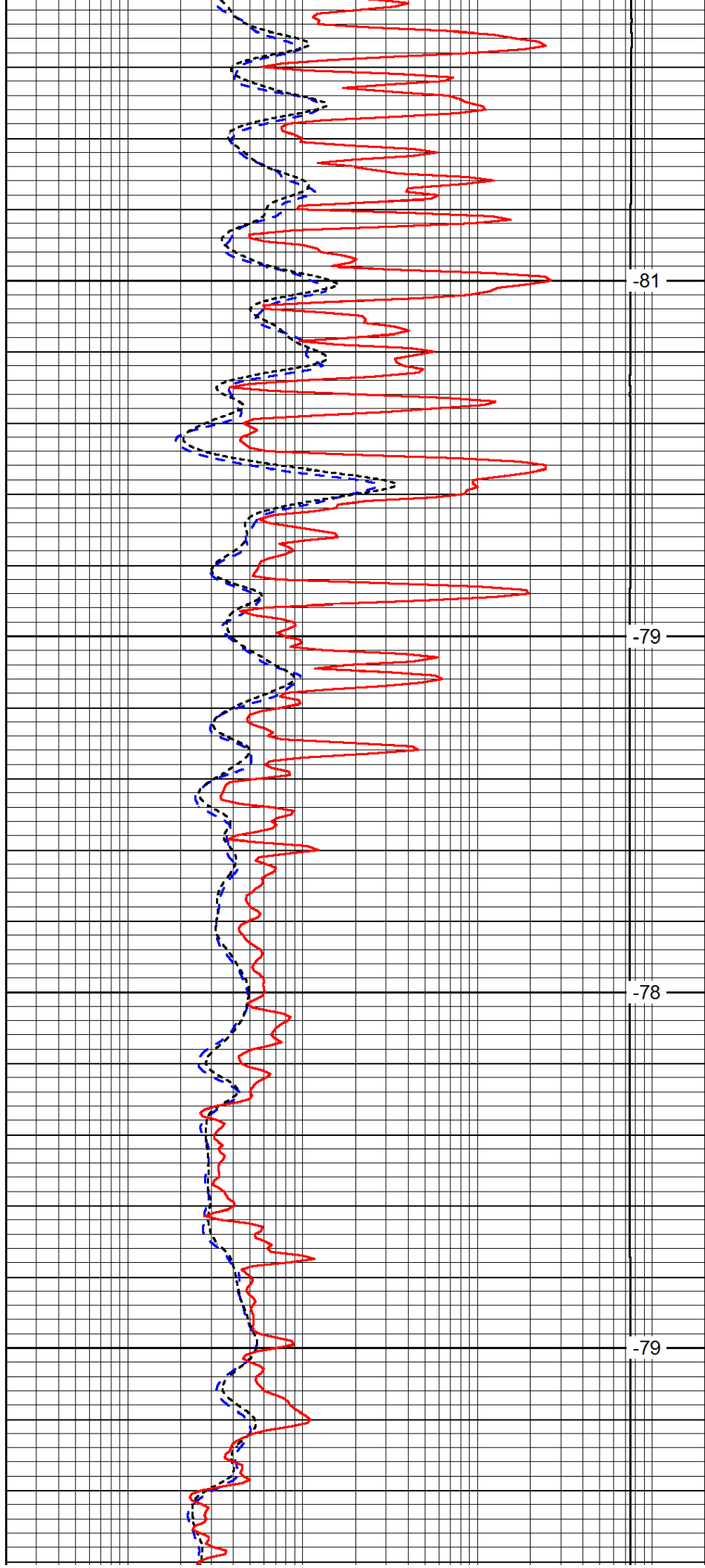


1600

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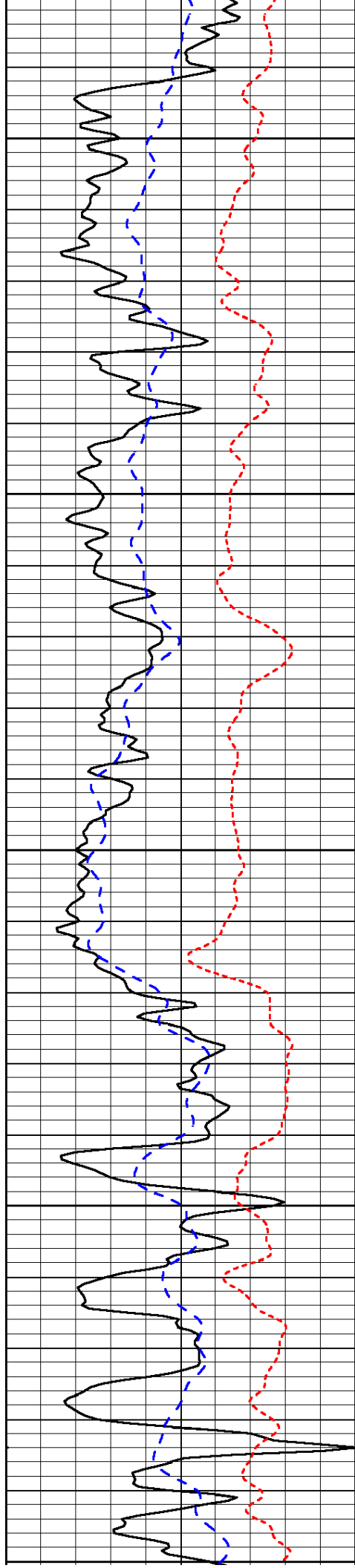


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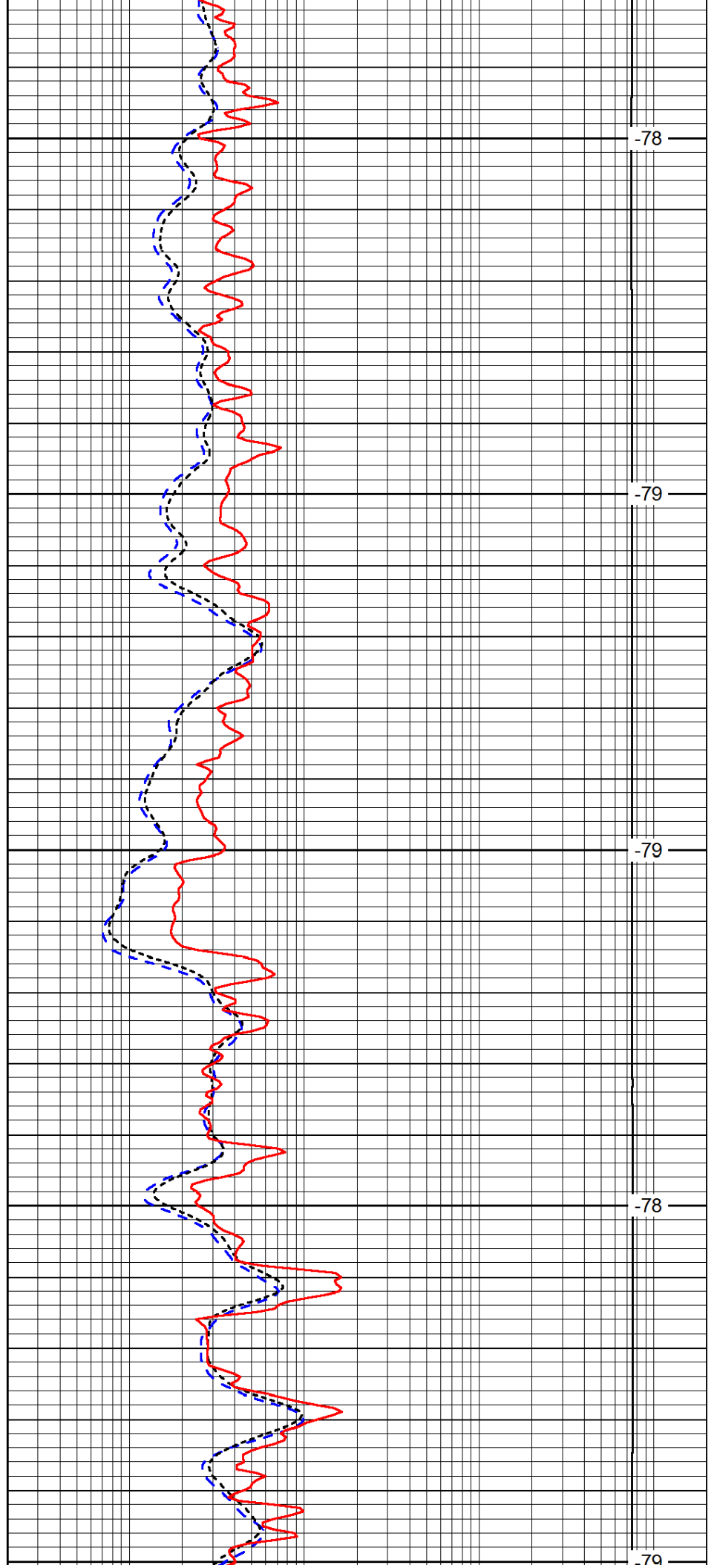
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1900

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2000



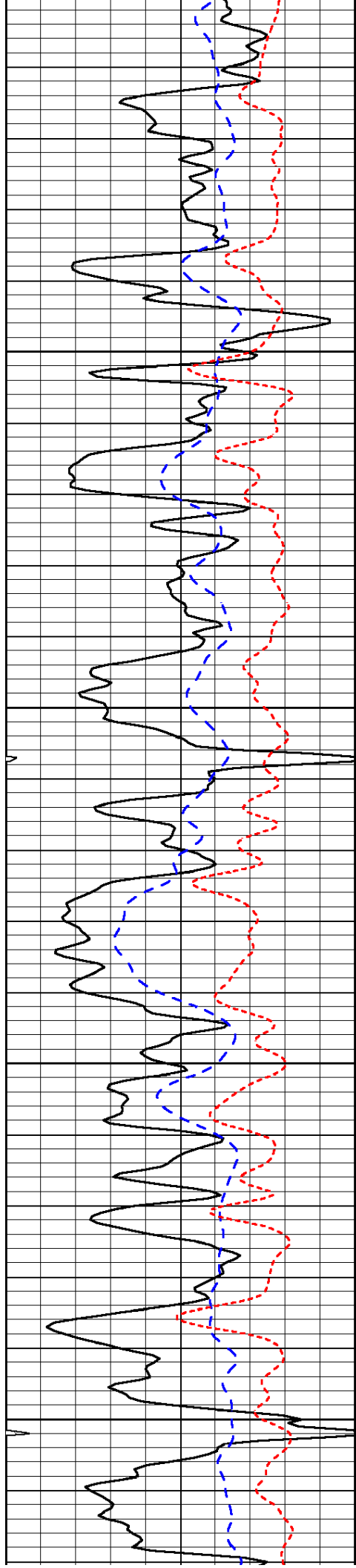
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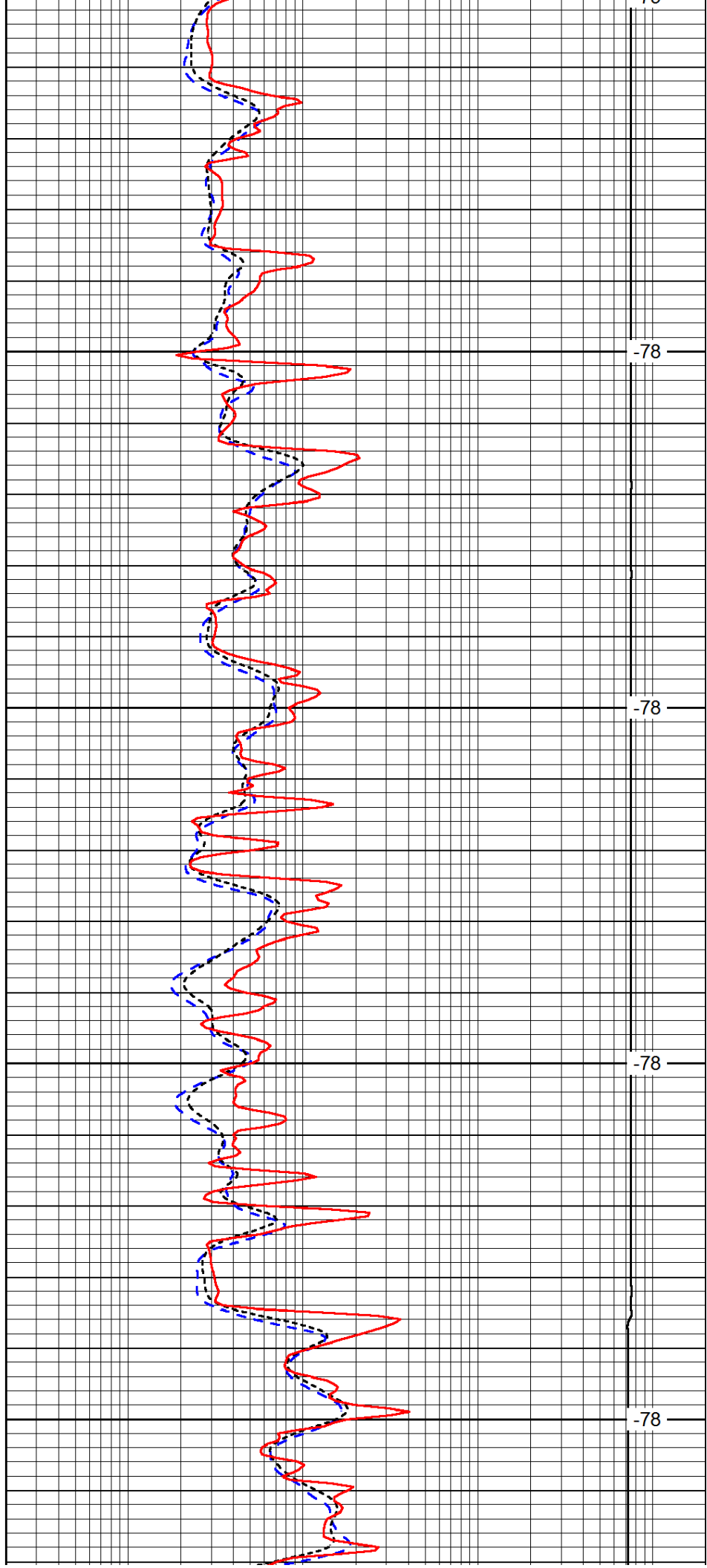
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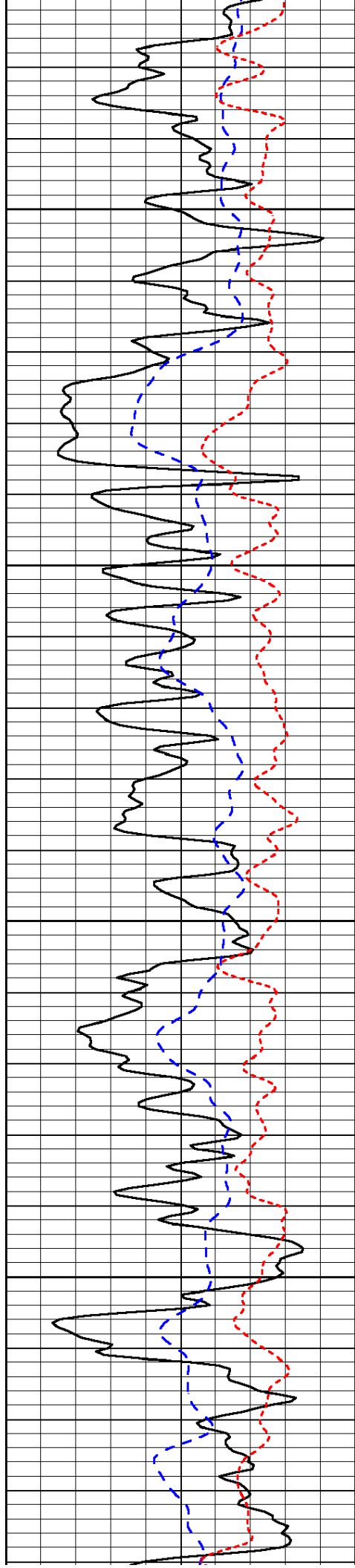
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2100
2150
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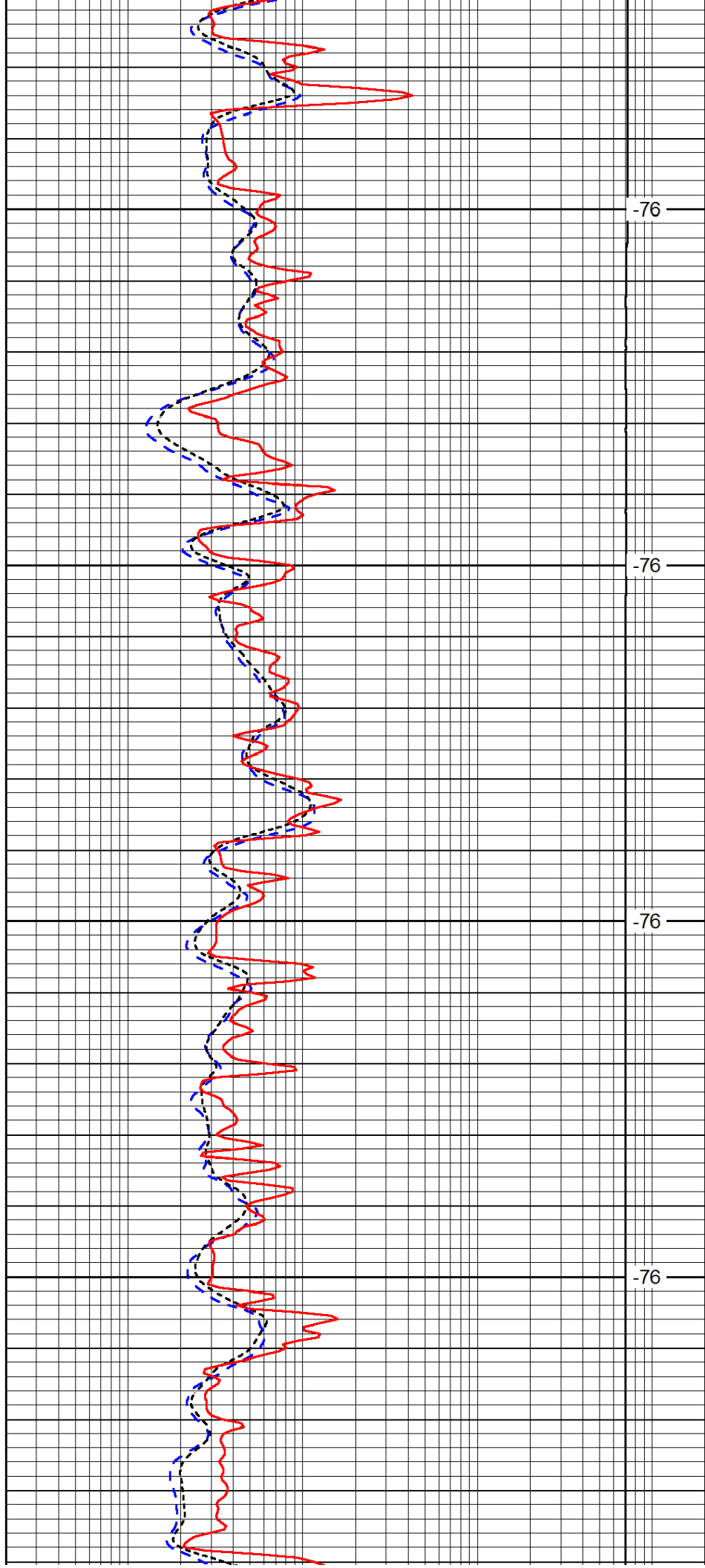


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2300

2350

2400

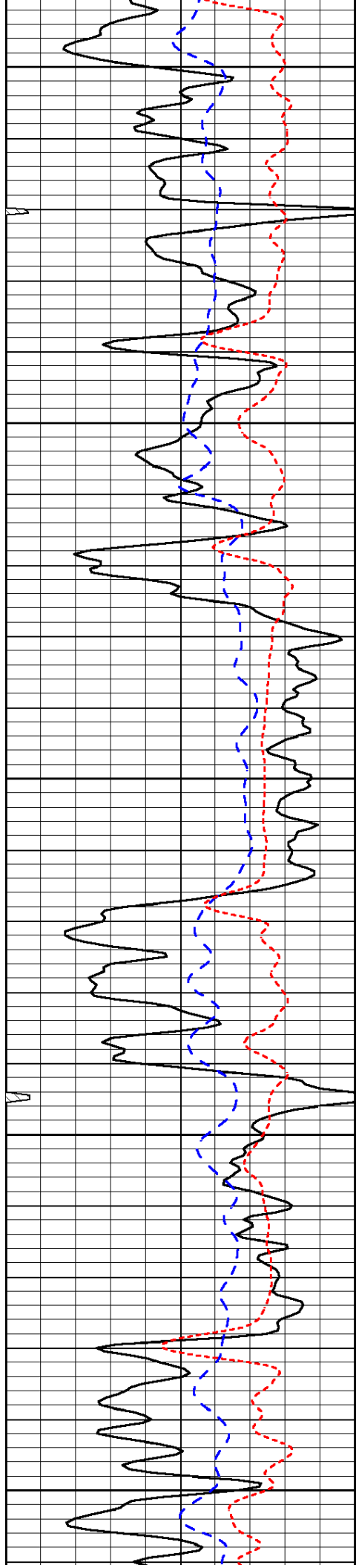


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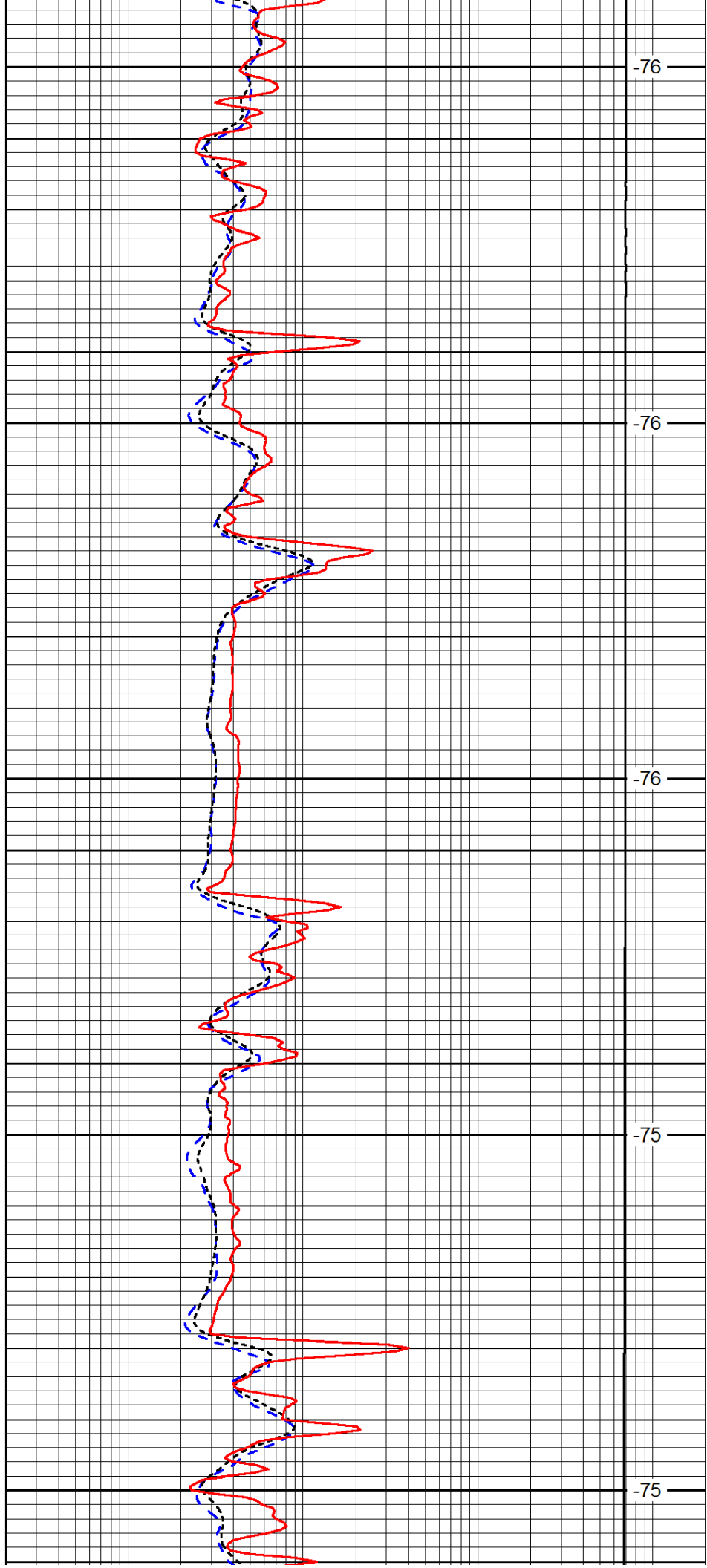
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2550

2600

2650



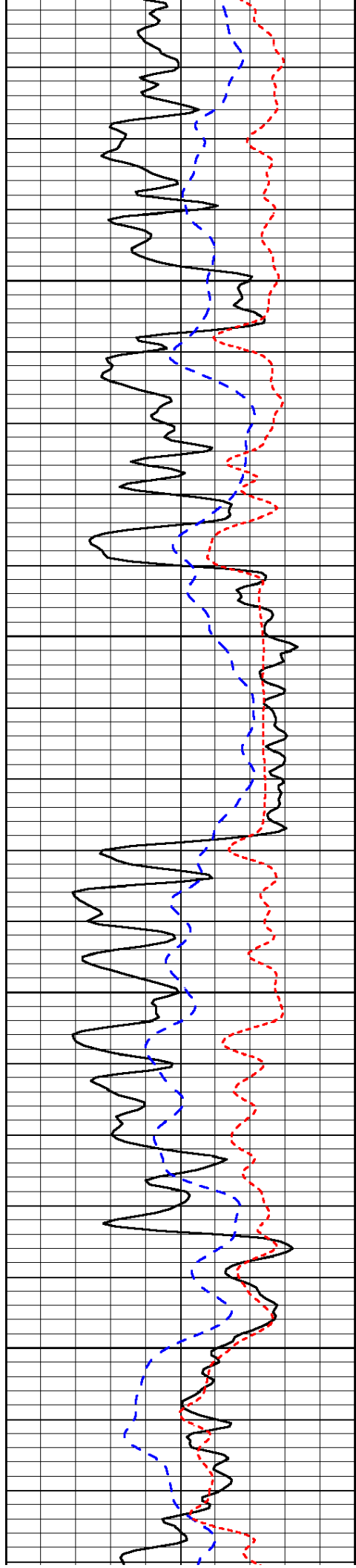
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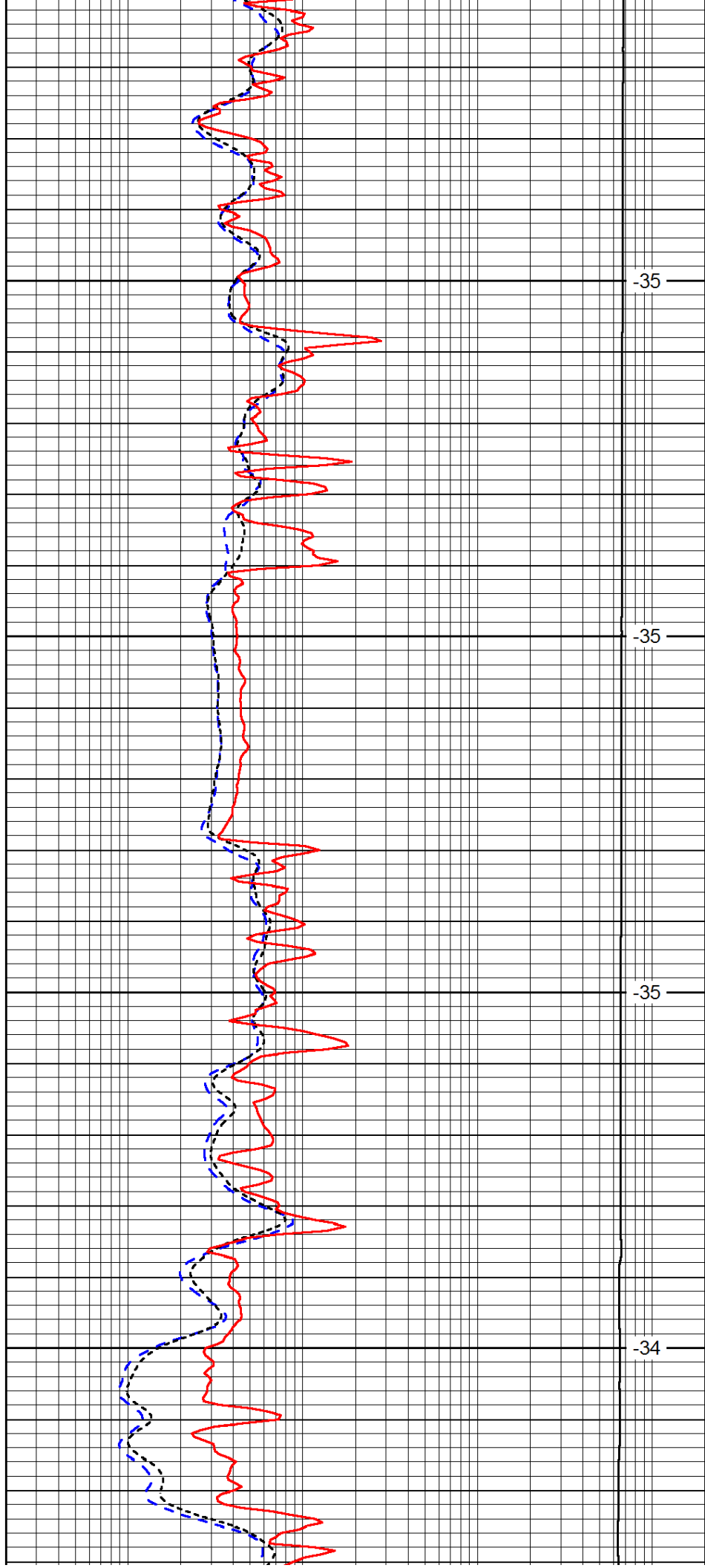


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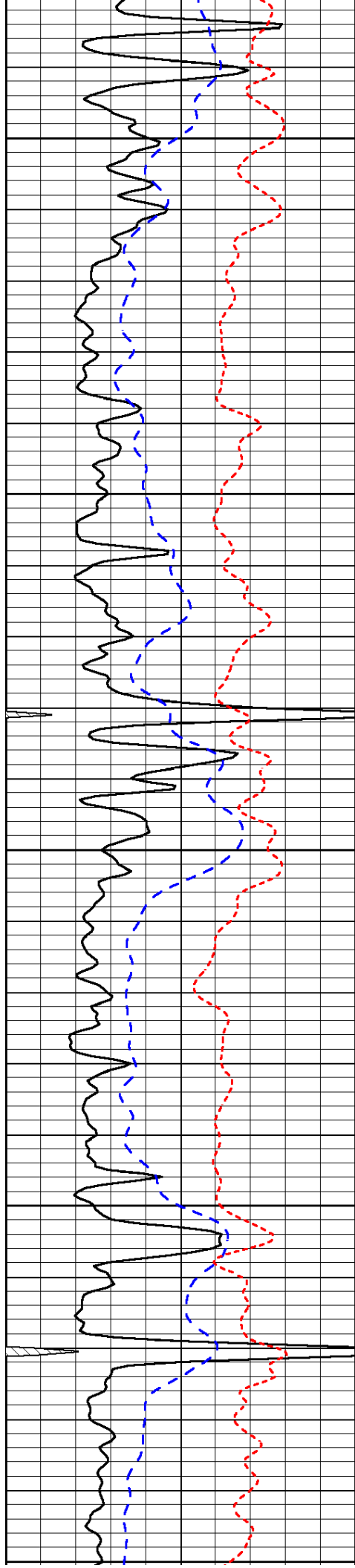


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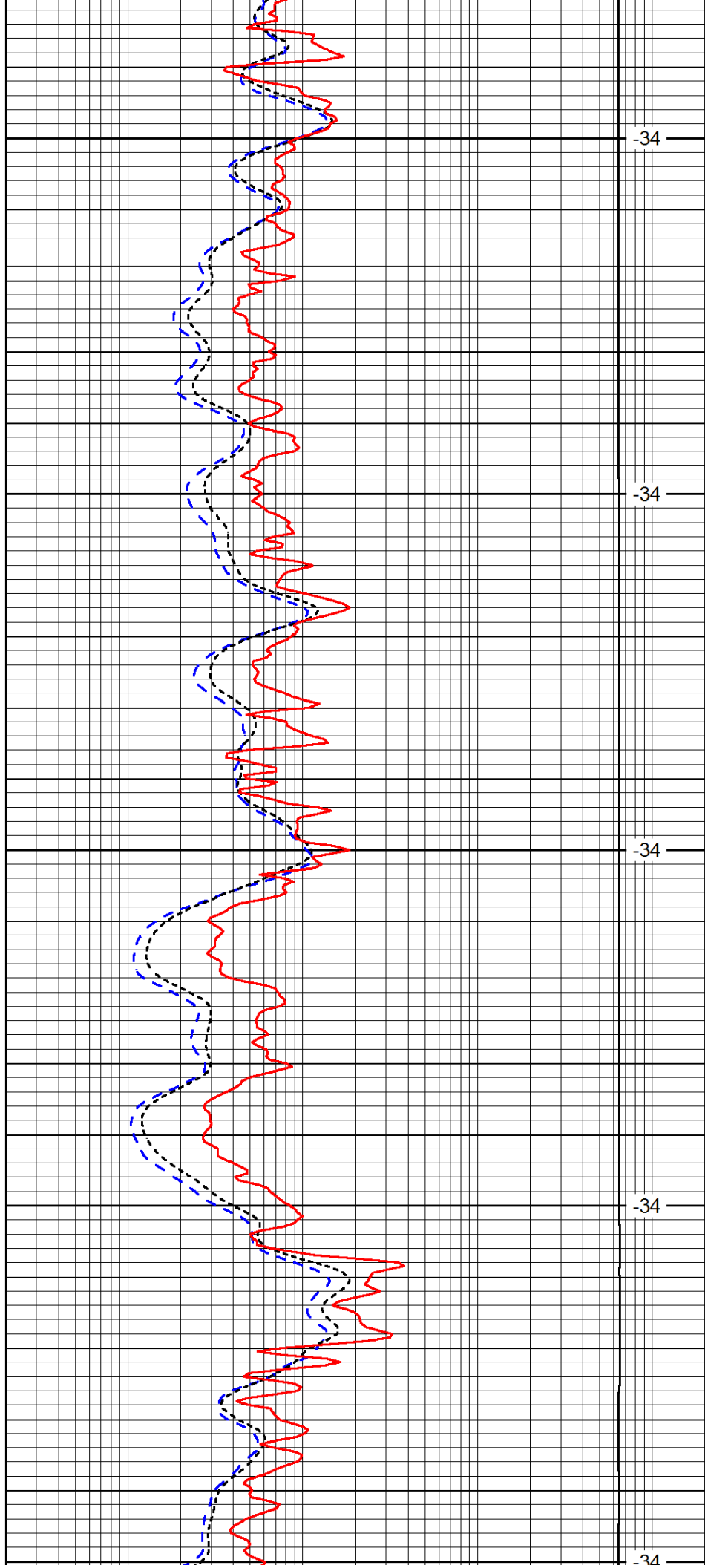
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2950

3000

3050

3100



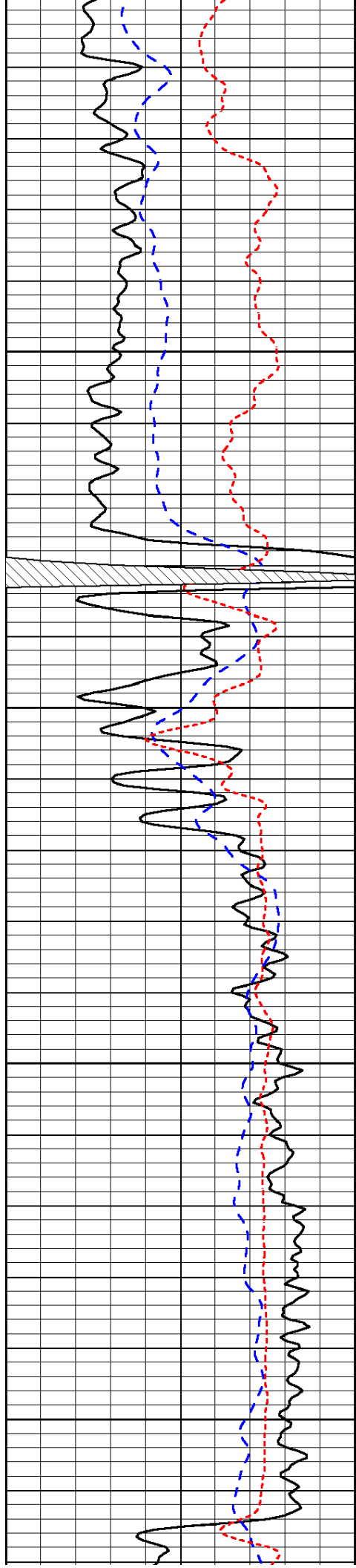
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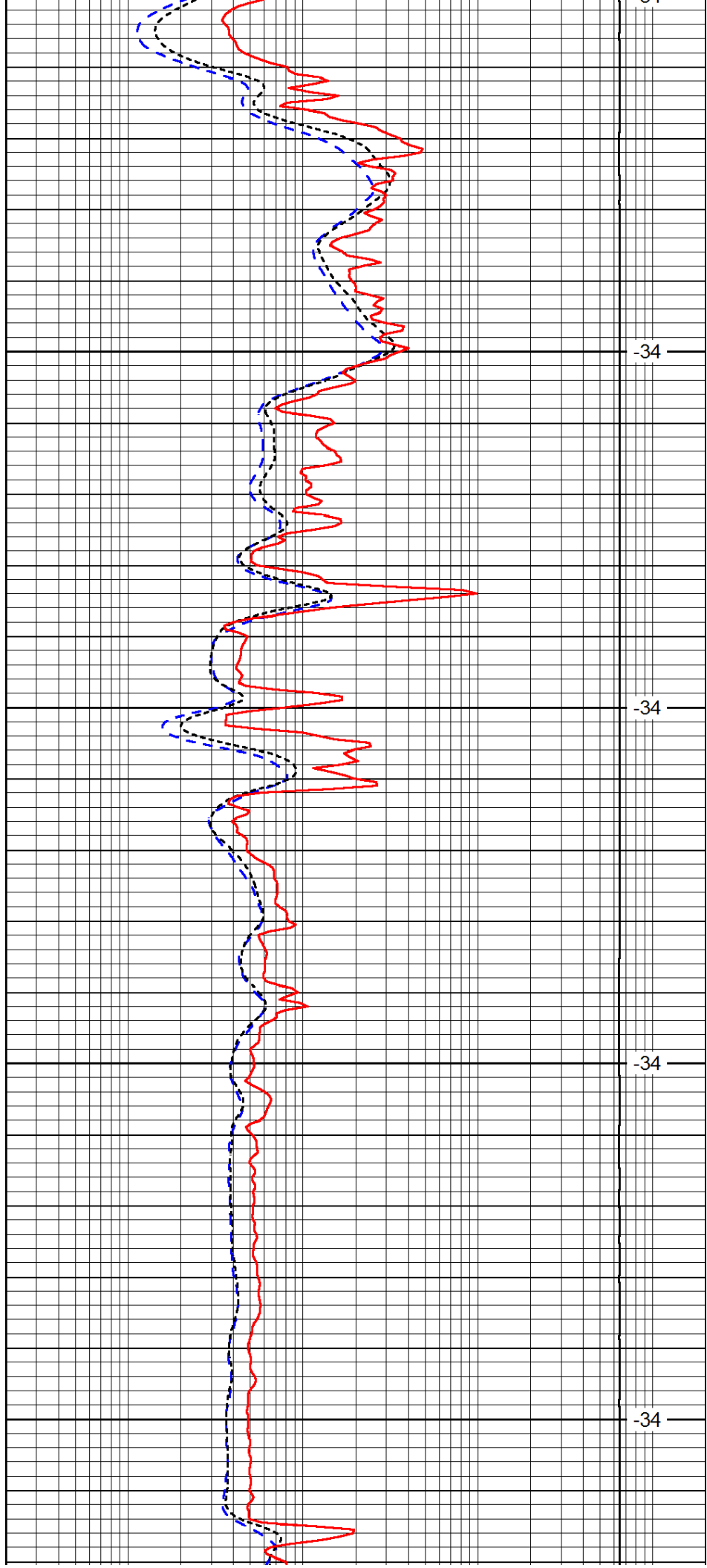
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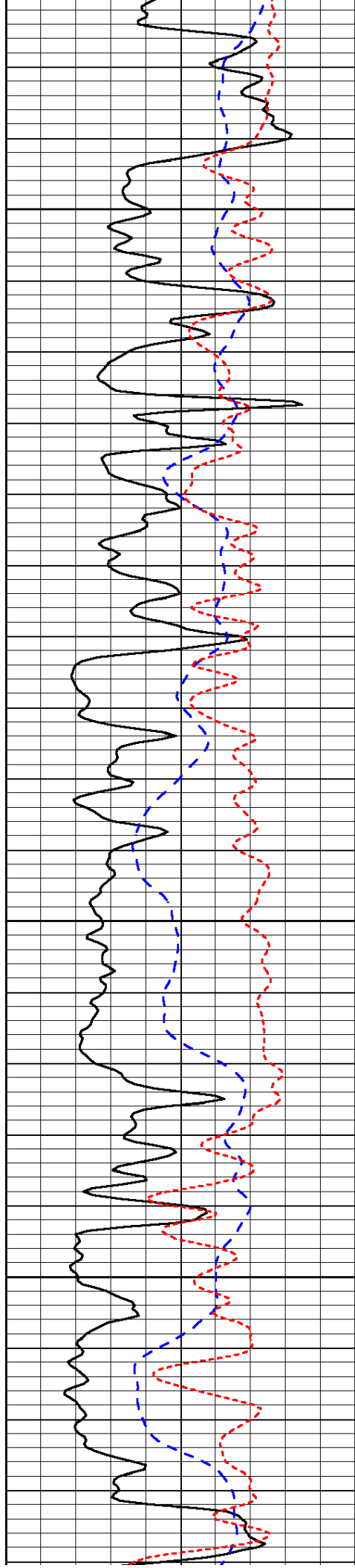
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3100
3150
3200
3250
3300



3100
3150
3200
3250
3300

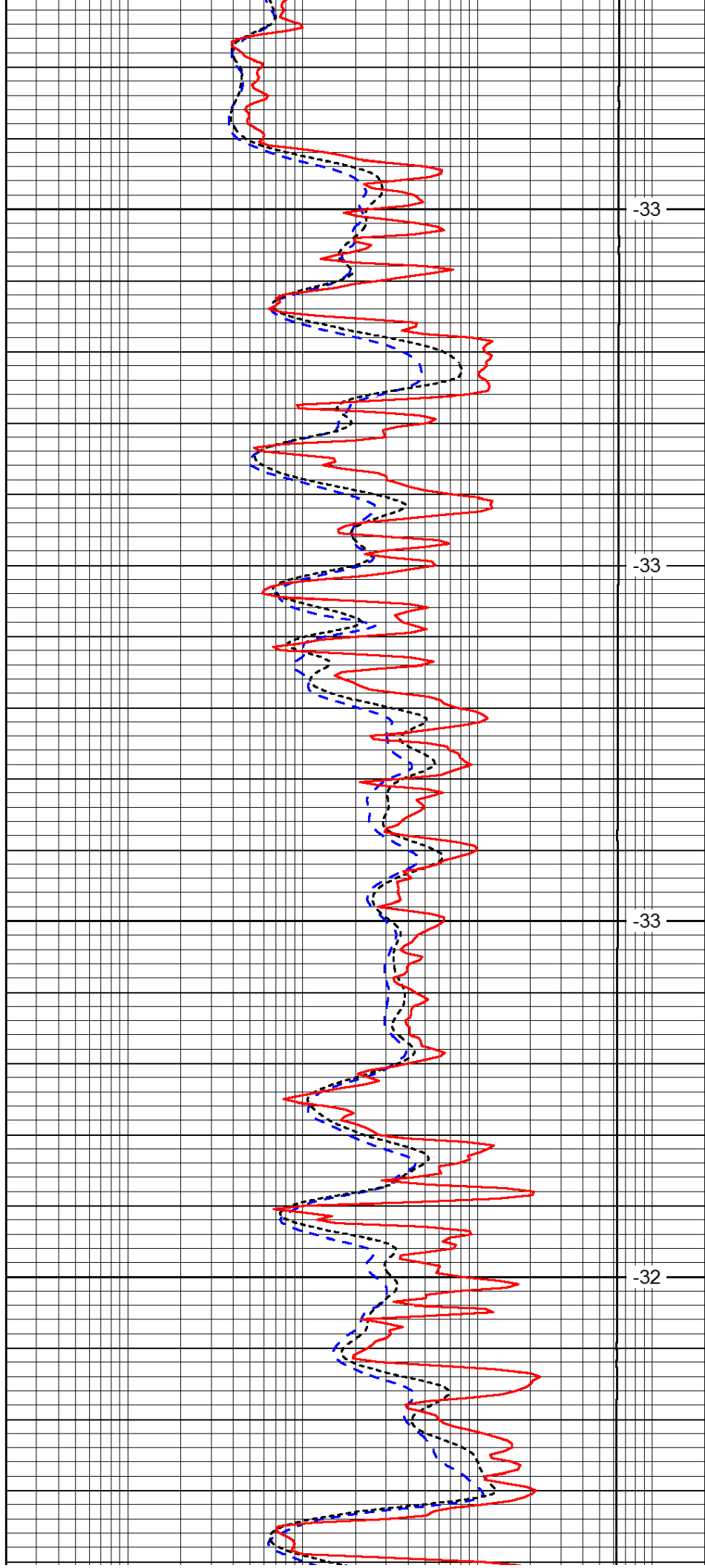


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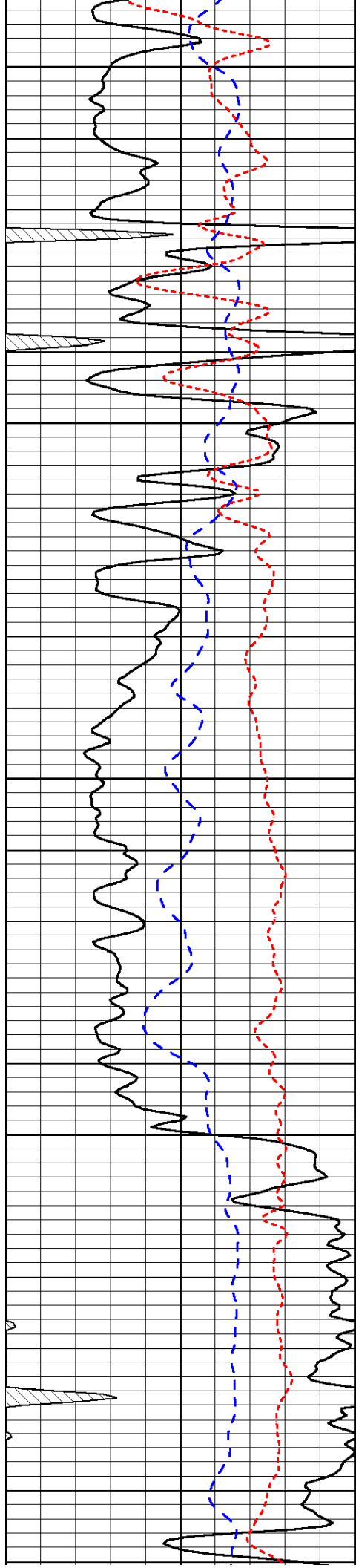


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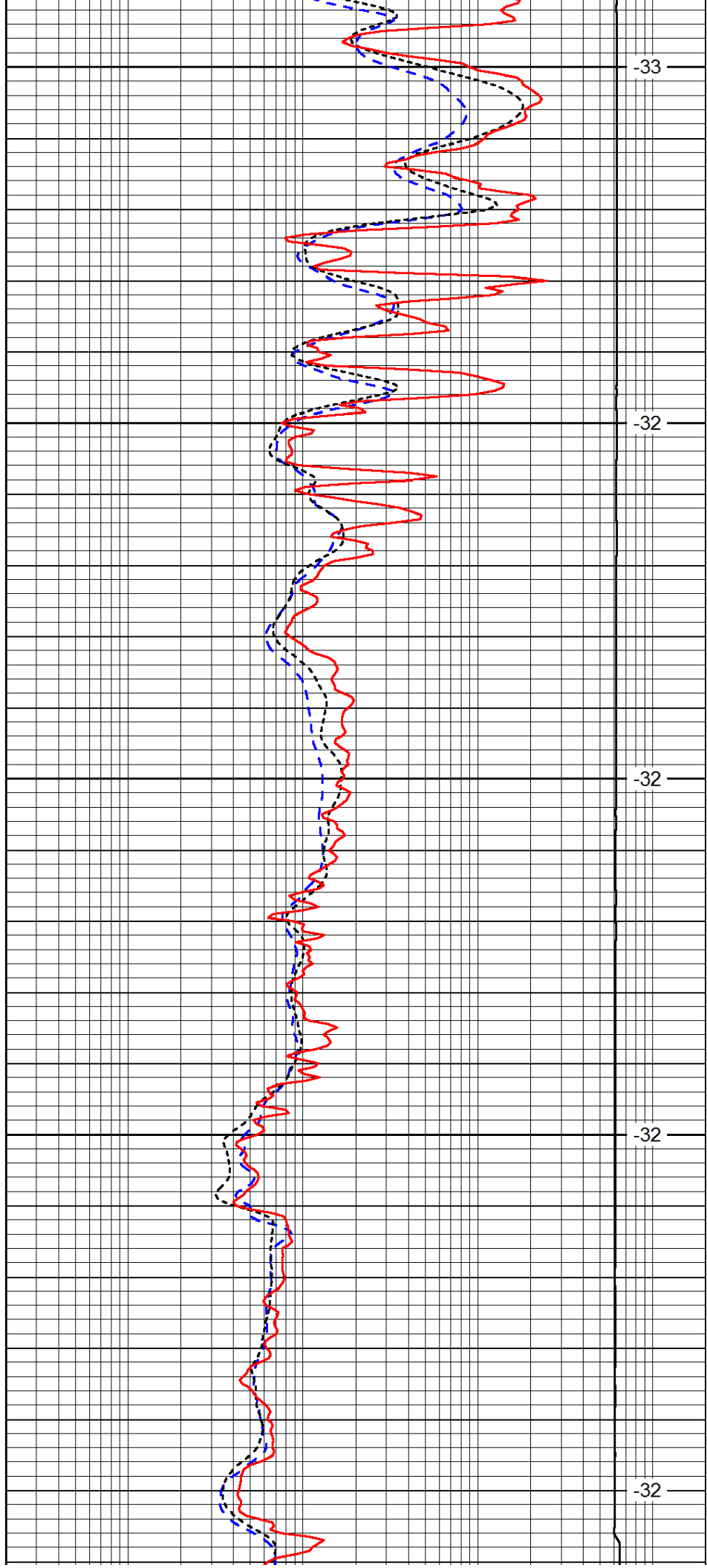
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3700

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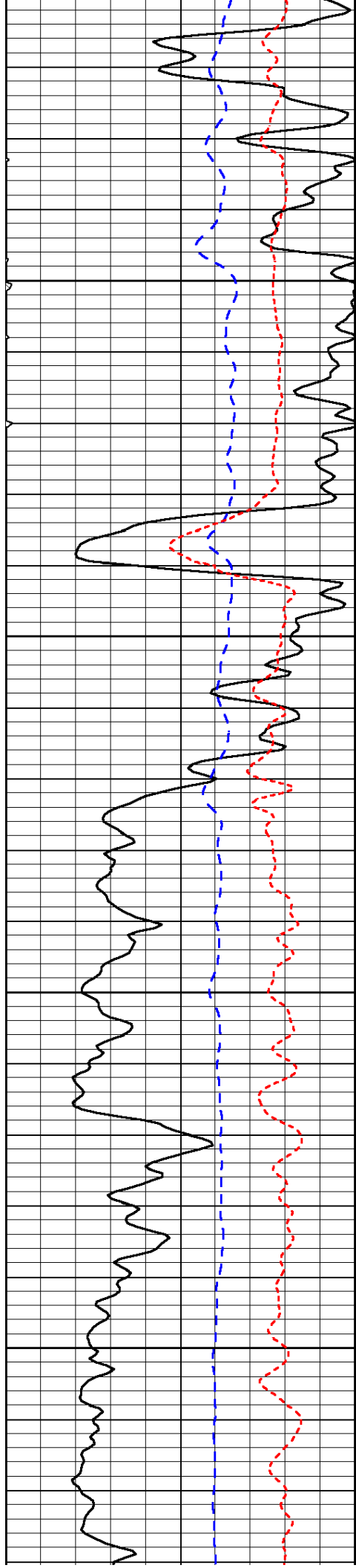
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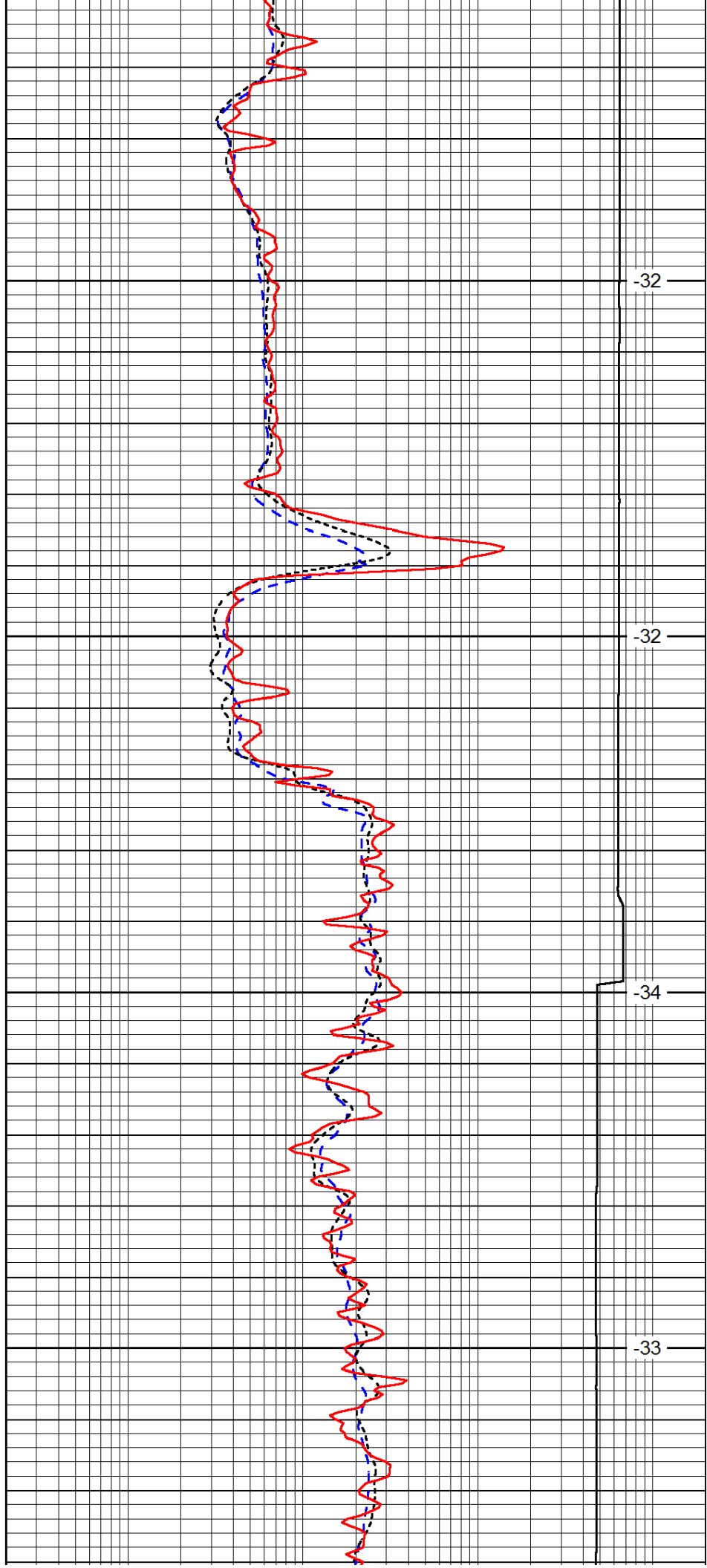


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3850

3900

3950

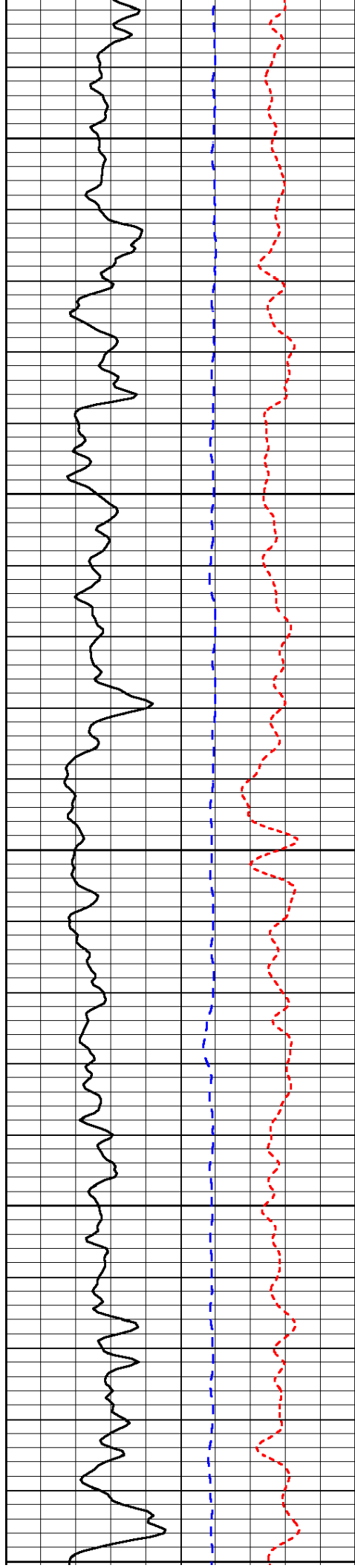


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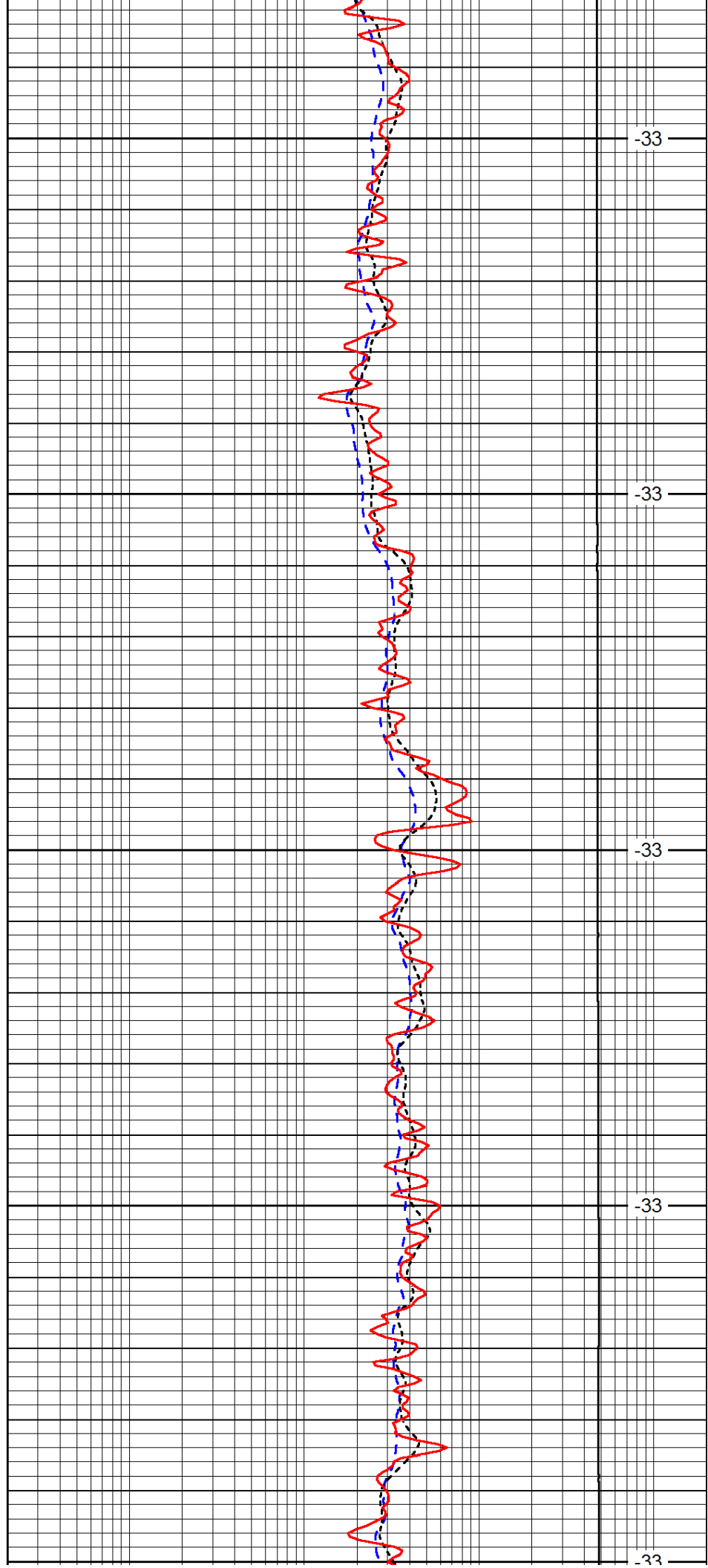
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4050

4100

4150

4200



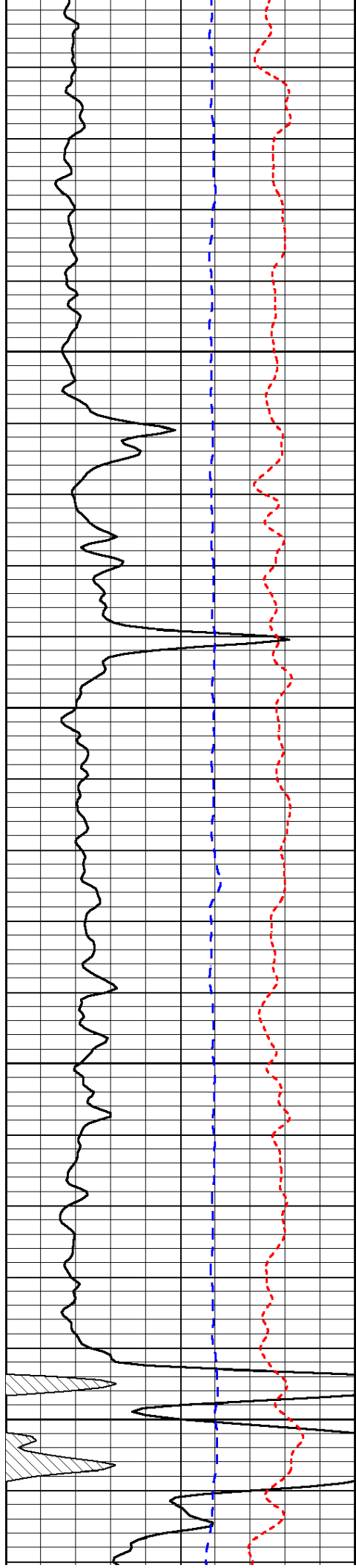
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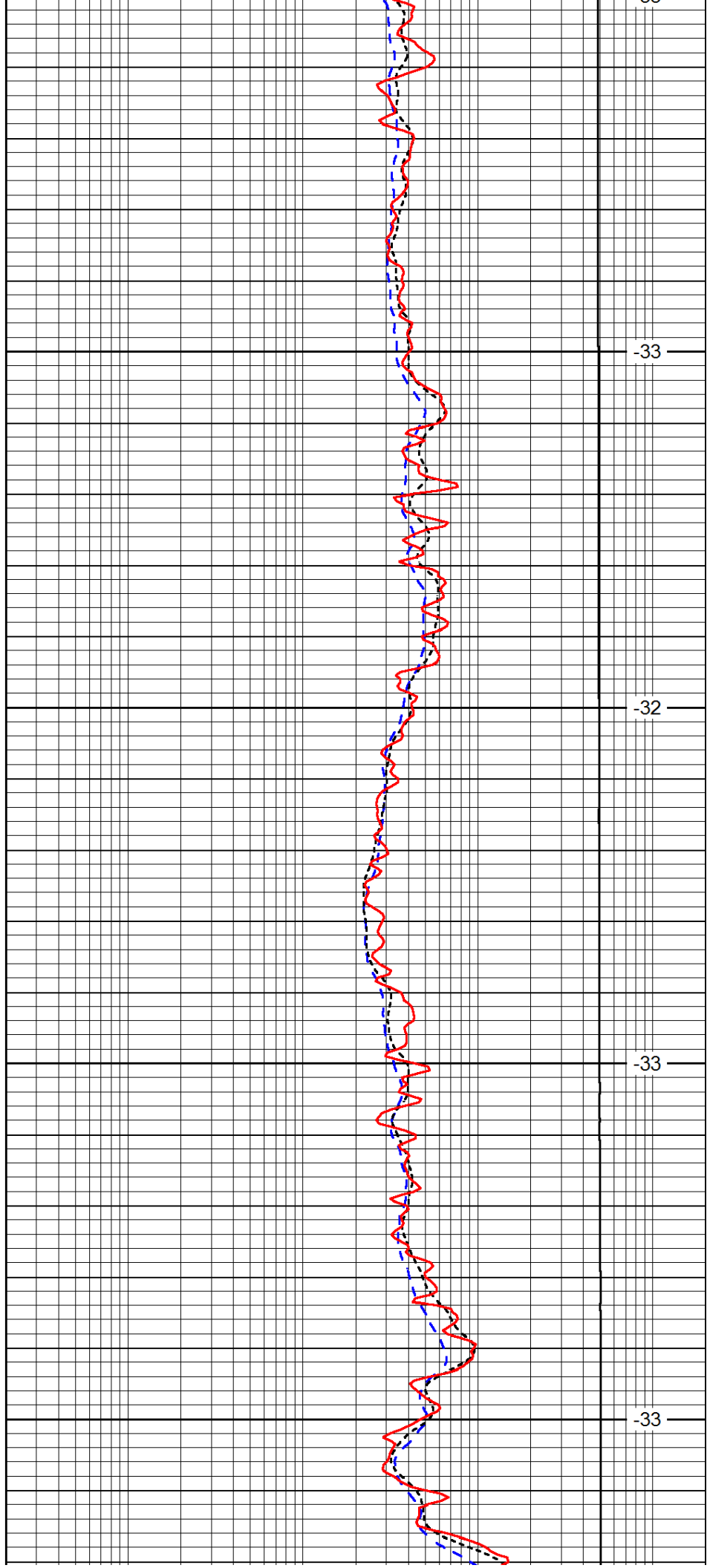
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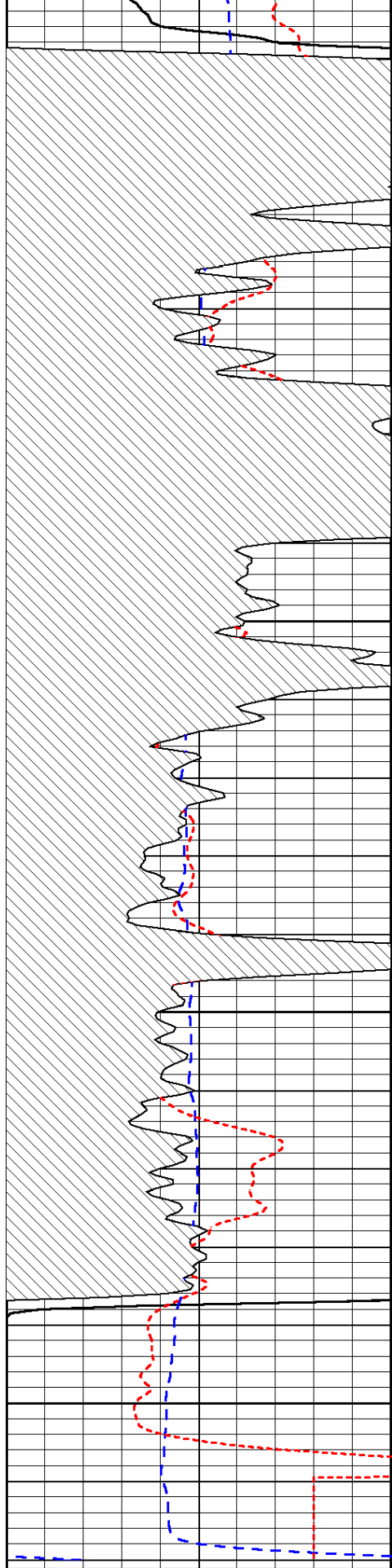
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4250
4300
4350
4400



-32
-33
-33
-33



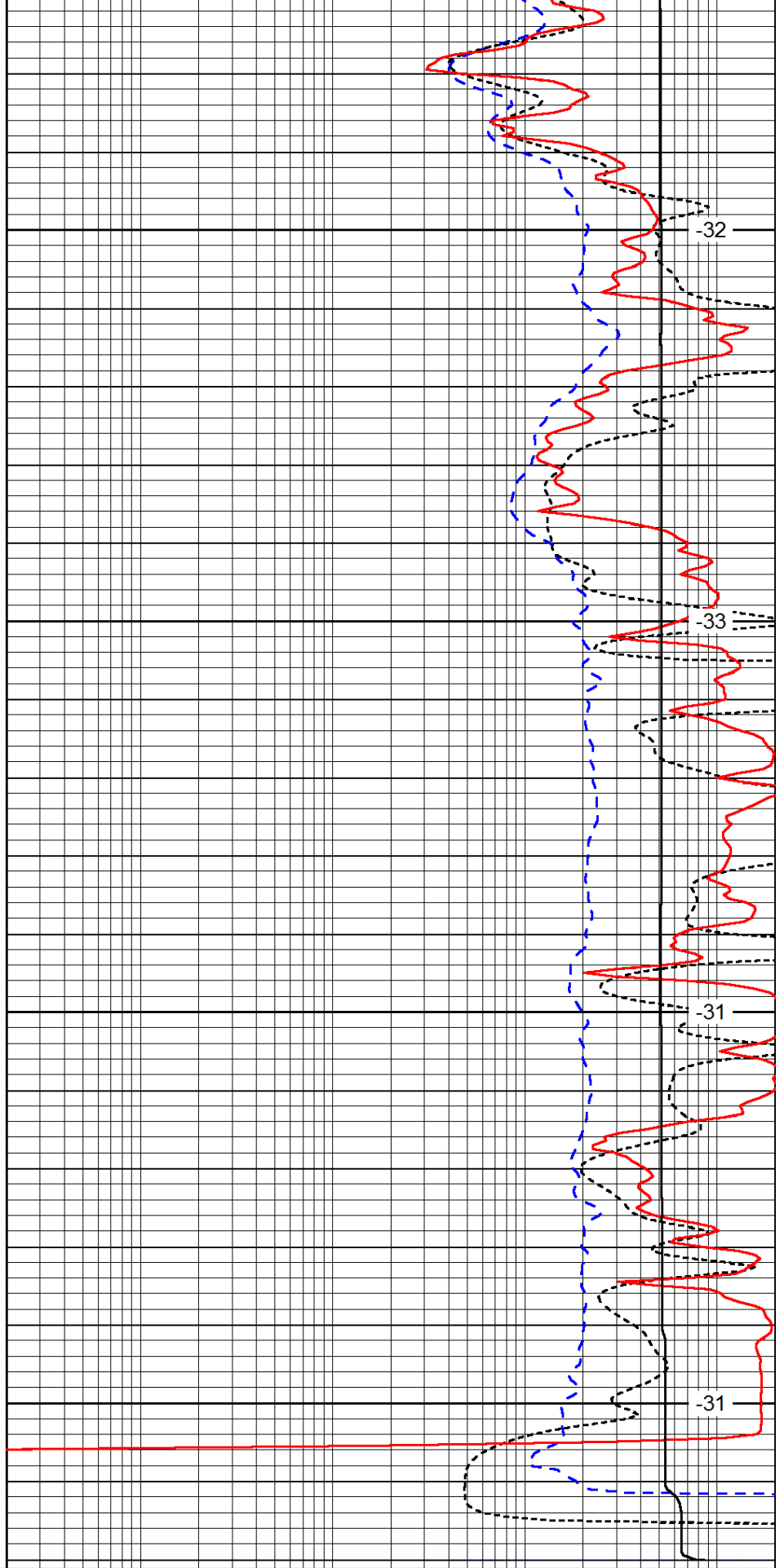
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-200	SP (mV)	0
-160	RxoRt	40

4450

4500

4550

4600



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

