



Pioneer Energy Services

Dual Induction Log

API No.	15-153-20,916-00-00	
Company	Murfin Drilling Company, Inc.	
Well	Gilbert No. 1-27	
Field	Daisy	
County	Rawlins	State
Location	SWNWNE SE 2,300' FSL & 1,000' FEL	Kansas
Sec: 27	Twp: 4S	Rge: 31W
Other Services	CNL/CDL MEL/BHCS	

Permanent Datum	Ground Level	Elevation 2909
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
Date	1/17/2013	
Run Number	One	
Depth Driller	4565	
Depth Logger	4565	
Bottom Logged Interval	4564	
Top Log Interval	00	
Casing Driller	8.625 @ 217	
Casing Logger	217	
Bit Size	7.875	
Type Fluid in Hole	Chemical	
Salinity, ppm CL	3000	
Density / Viscosity	9.3	69
pH / Fluid Loss	10.0	6.4
Source of Sample	Flowline	
Rm @ Meas. Temp	.40	@ 58
Rmf @ Meas. Temp	.30	@ 58
Rmc @ Meas. Temp	.54	@ 58
Source of Rmf / Rmc	Charts	
Rm @ BHT	.19	@ 122
Operating Rig Time	5 Hours	
Max Rec. Temp. F	122	
Equipment Number	108	
Location	Hays	
Recorded By	J. Long	
Witnessed By	Rocky Milford	

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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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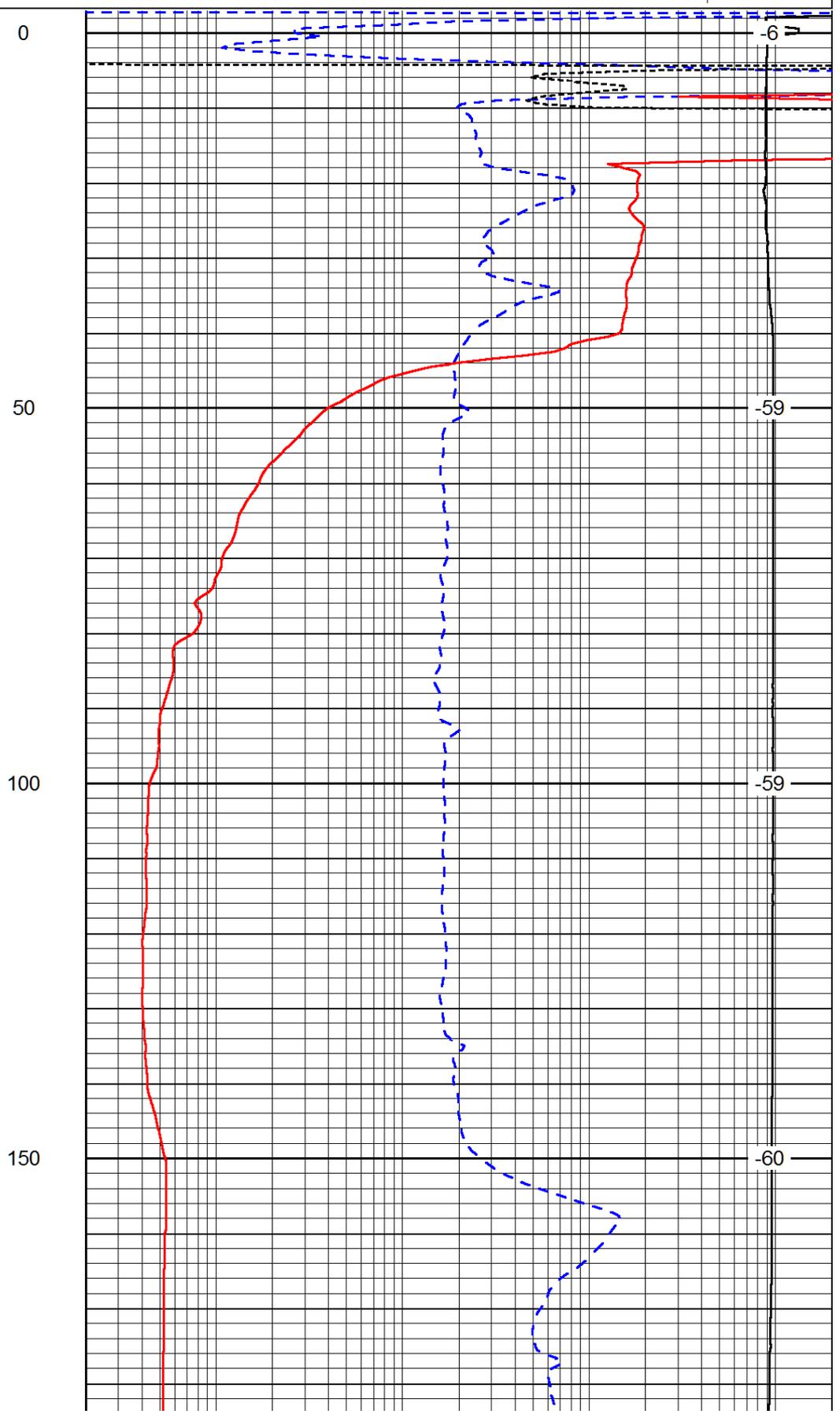
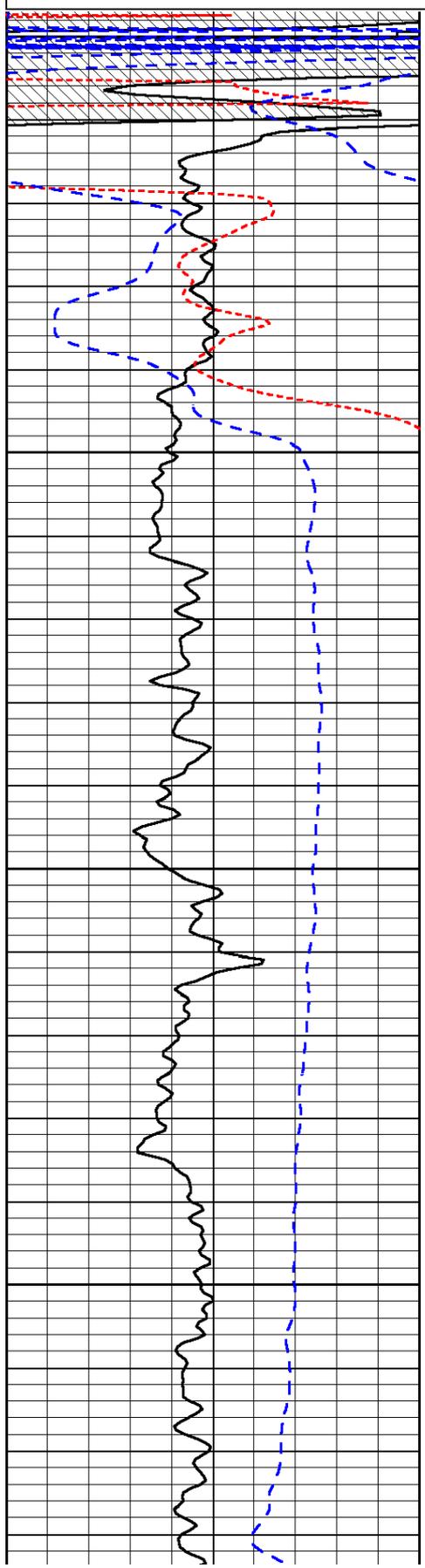
Rexford (Highway 83 and TH 36 Road Intersection), 7 North to Y, 1 East, 8 North to 10S Road,
3 West, 1/2 South, West Into

Database File: murfin_gilbert_1-27hd.db
 Dataset Pathname: dil/murfstck
 Presentation Format: dil
 Dataset Creation: Thu Jan 17 16:43:12 2013
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0

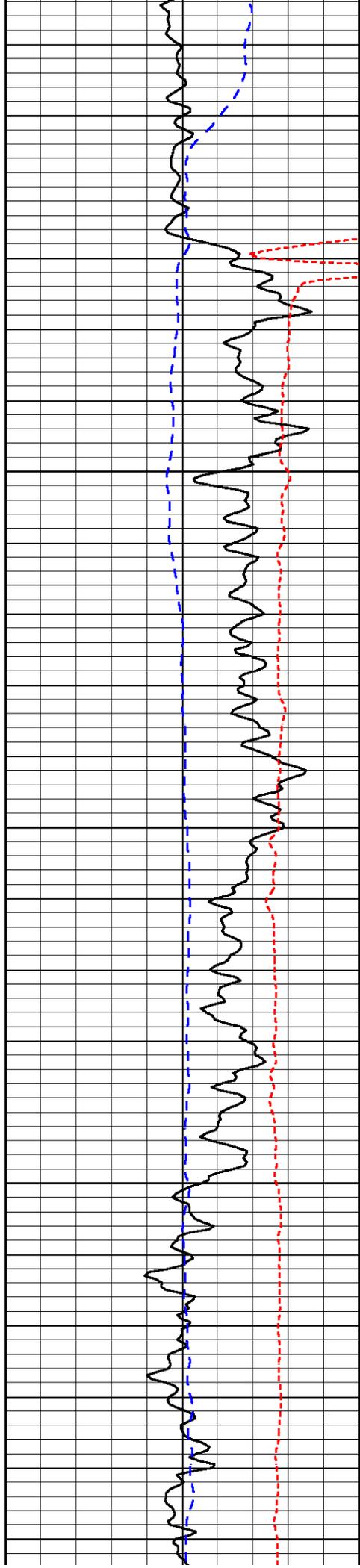
0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

LSPD
(ft/min)



0
50
100
150

-6
-59
-59
-60



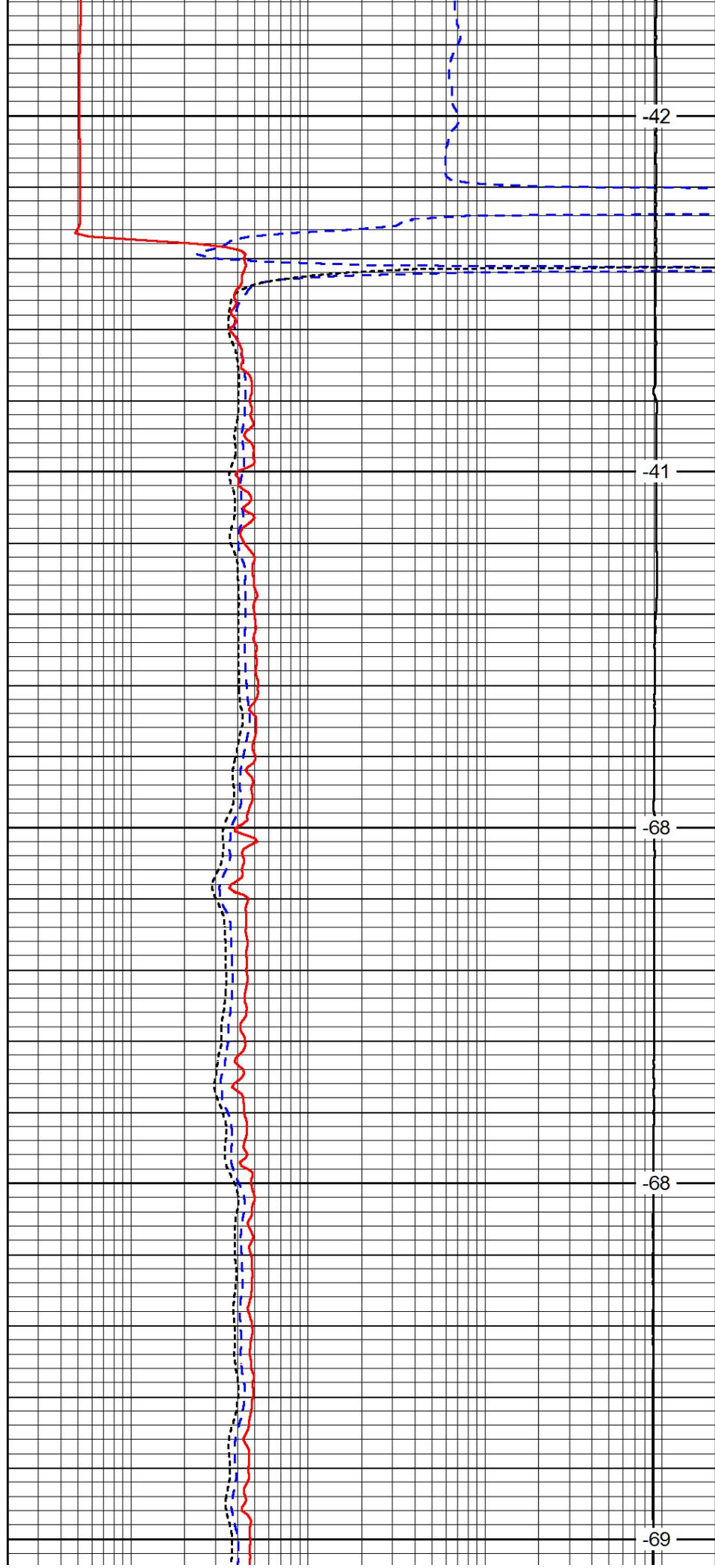
200

250

300

350

400



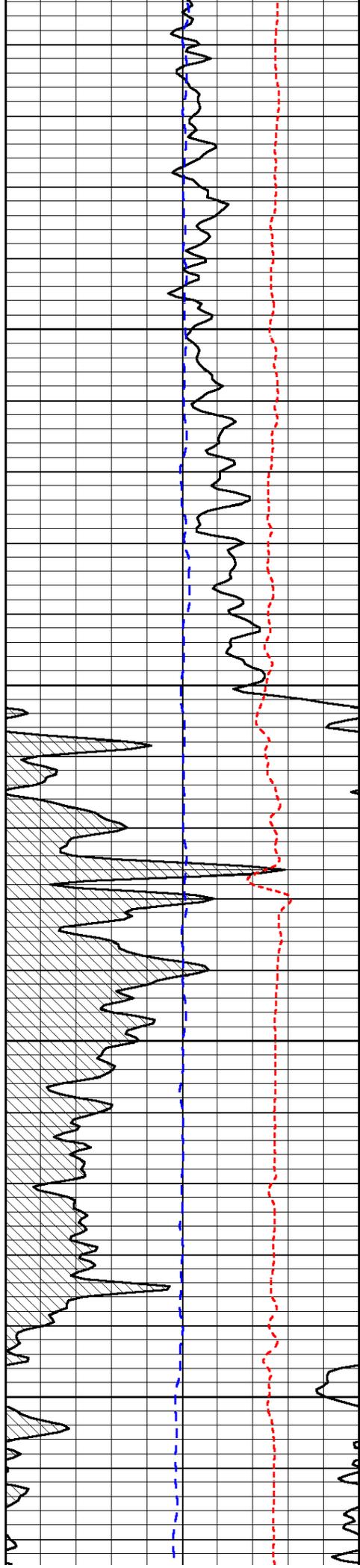
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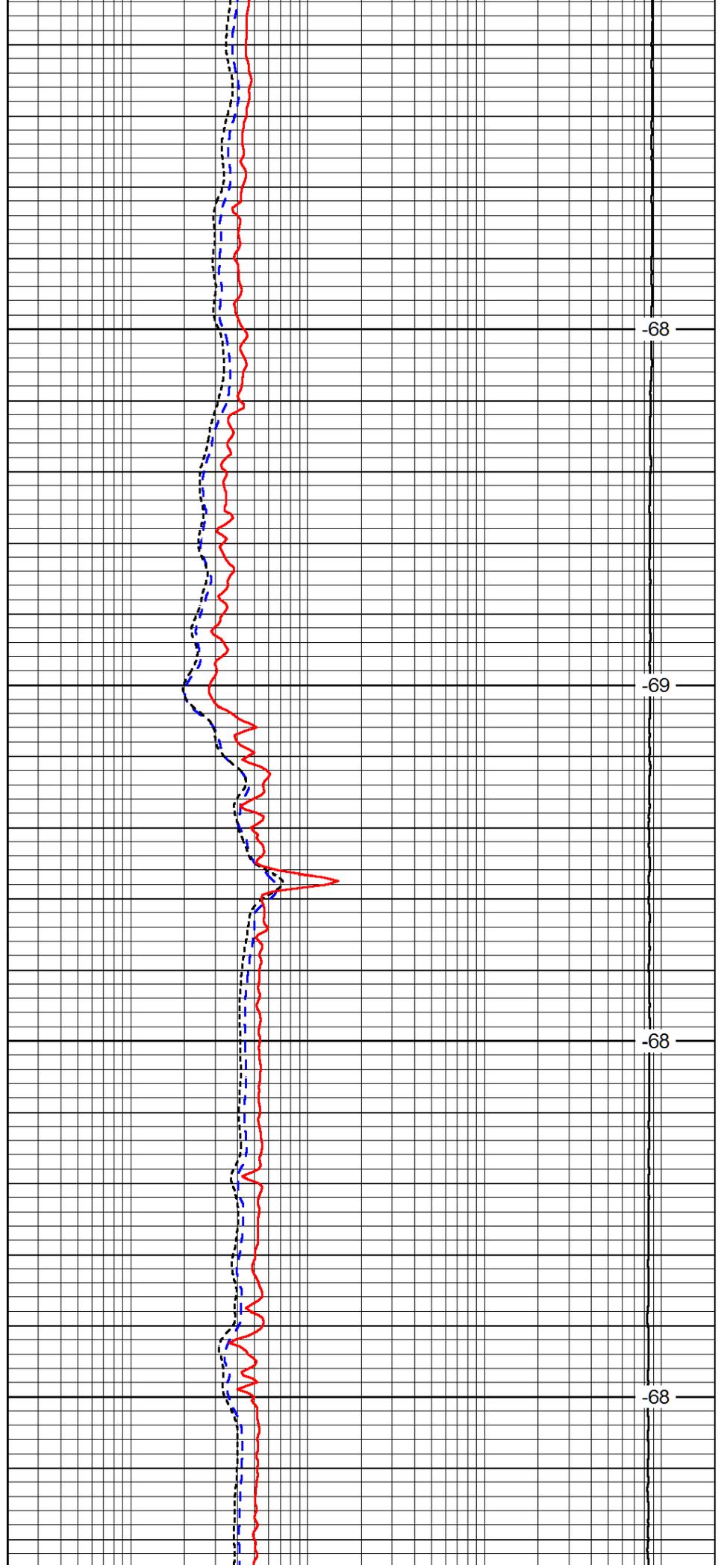


450

500

550

600

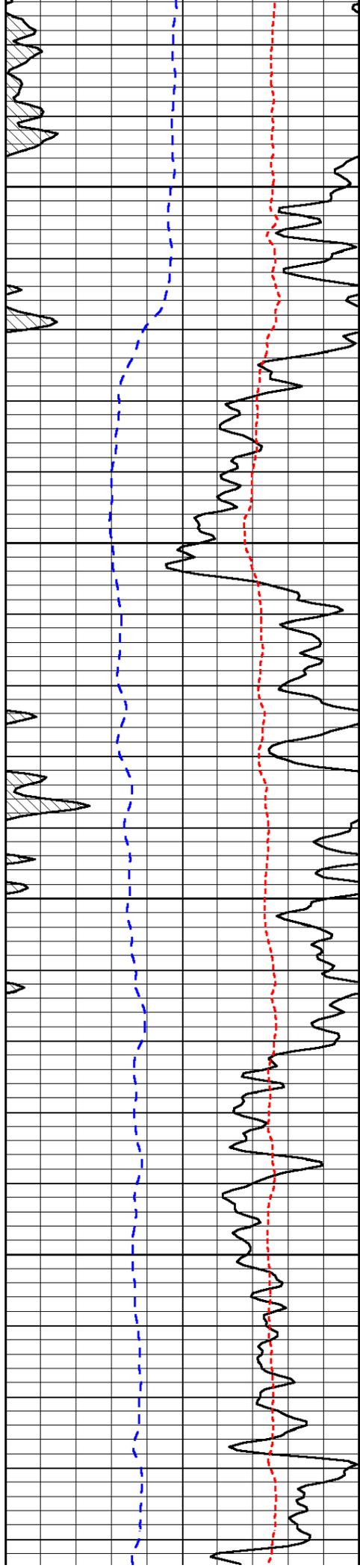


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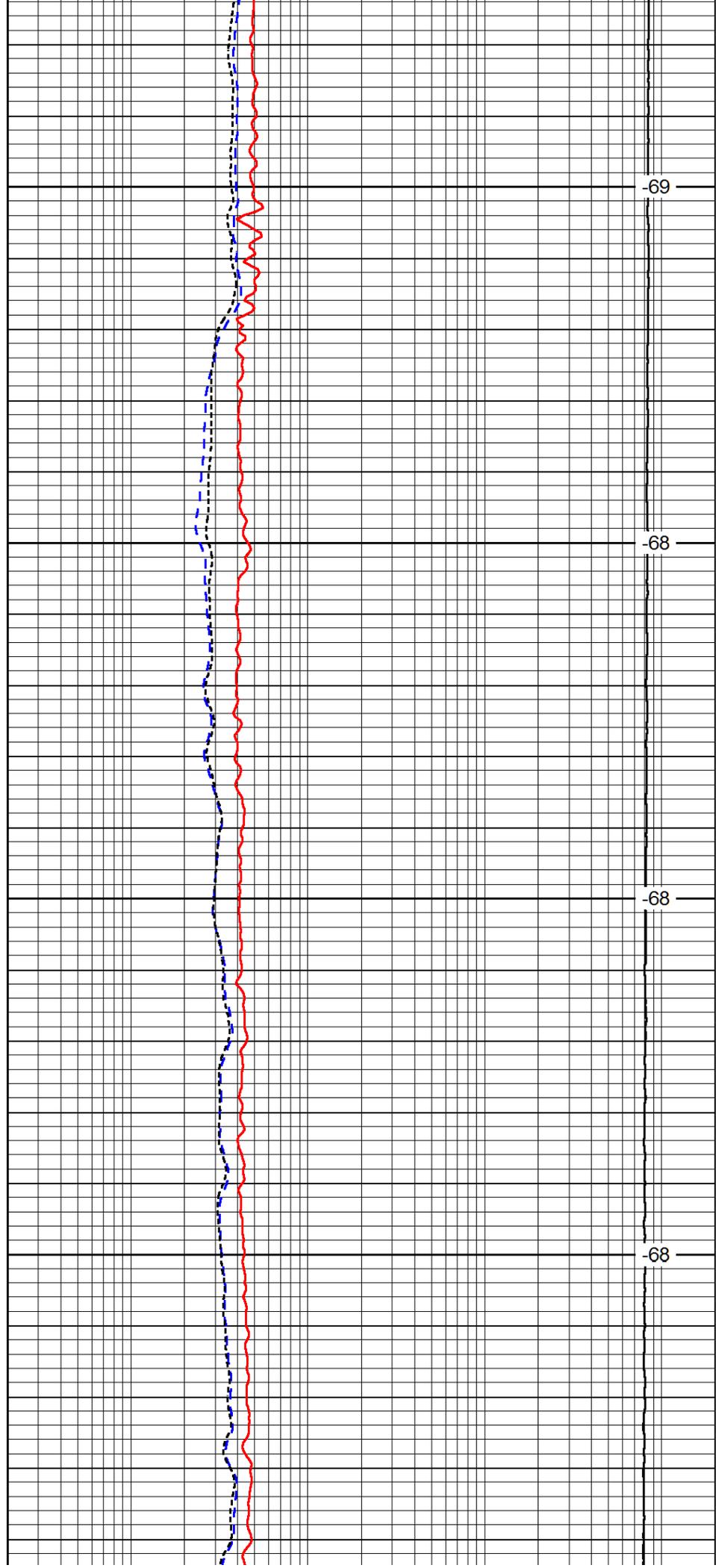


650

700

750

800

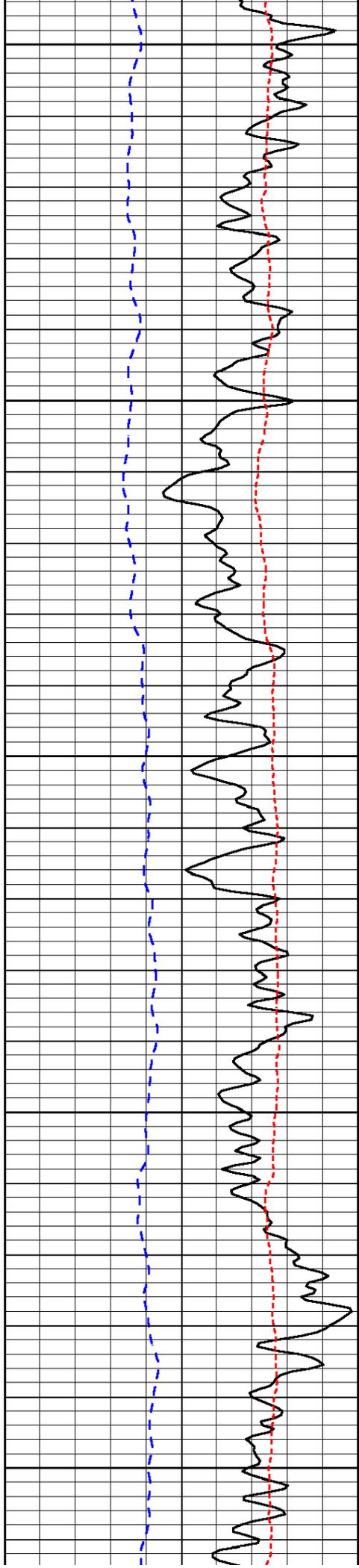


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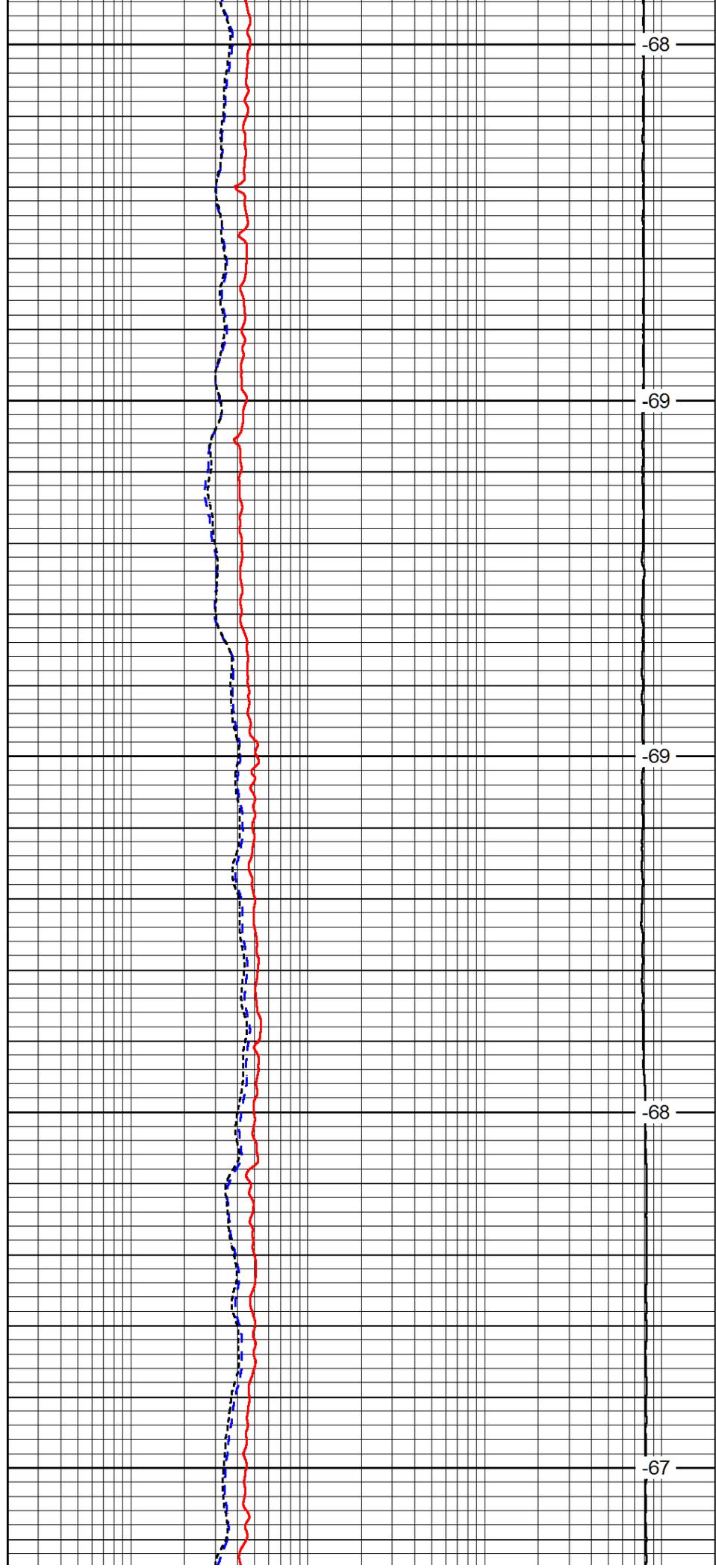
850

900

950

1000

1050



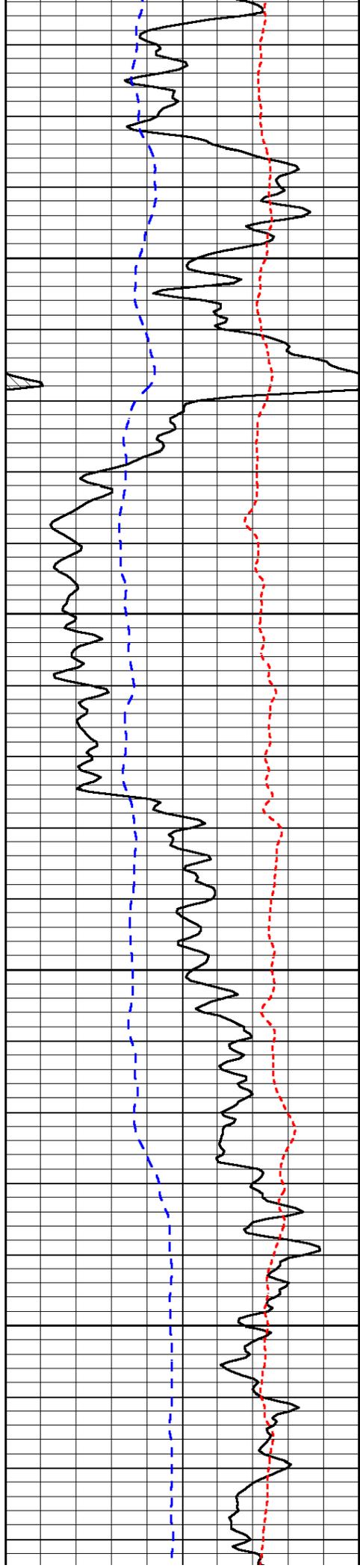
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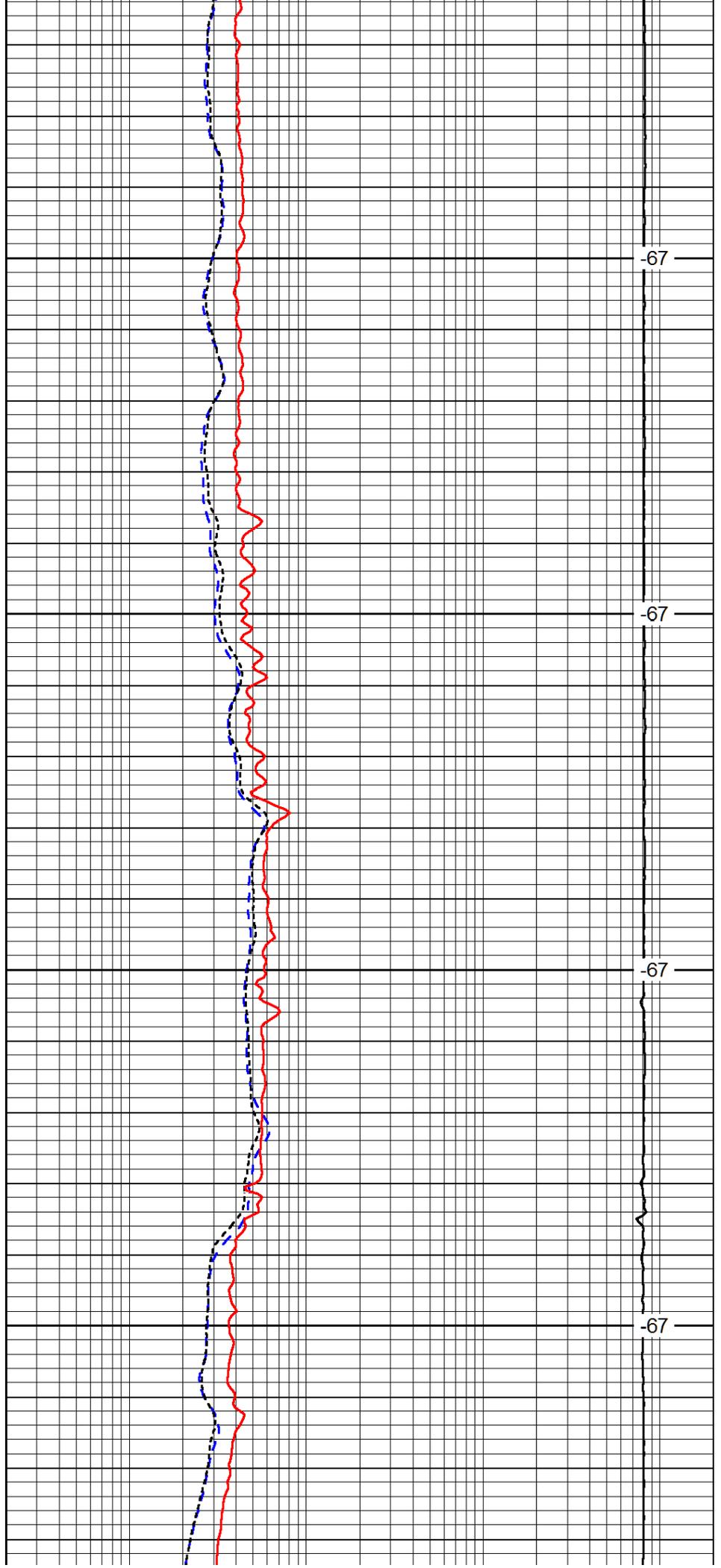


1100

1150

1200

1250

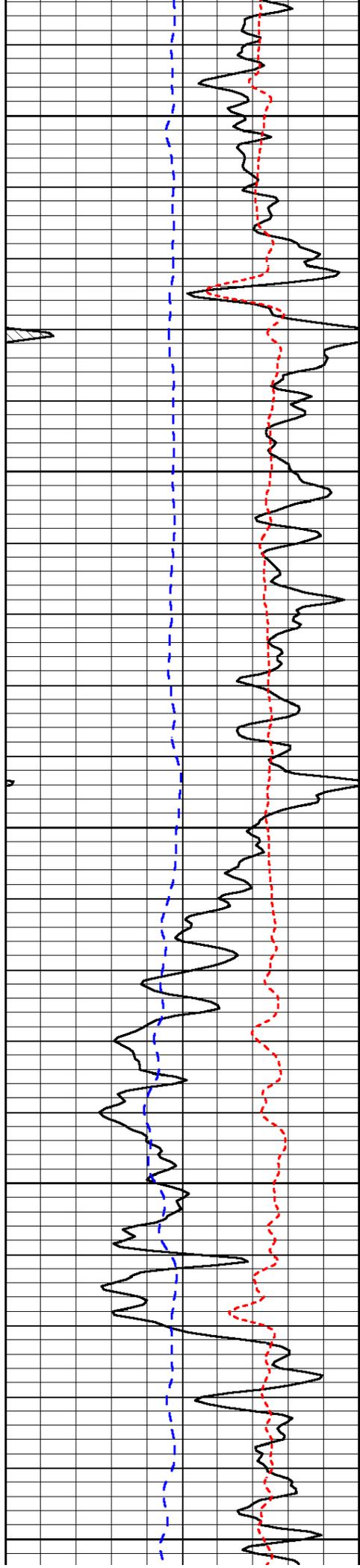


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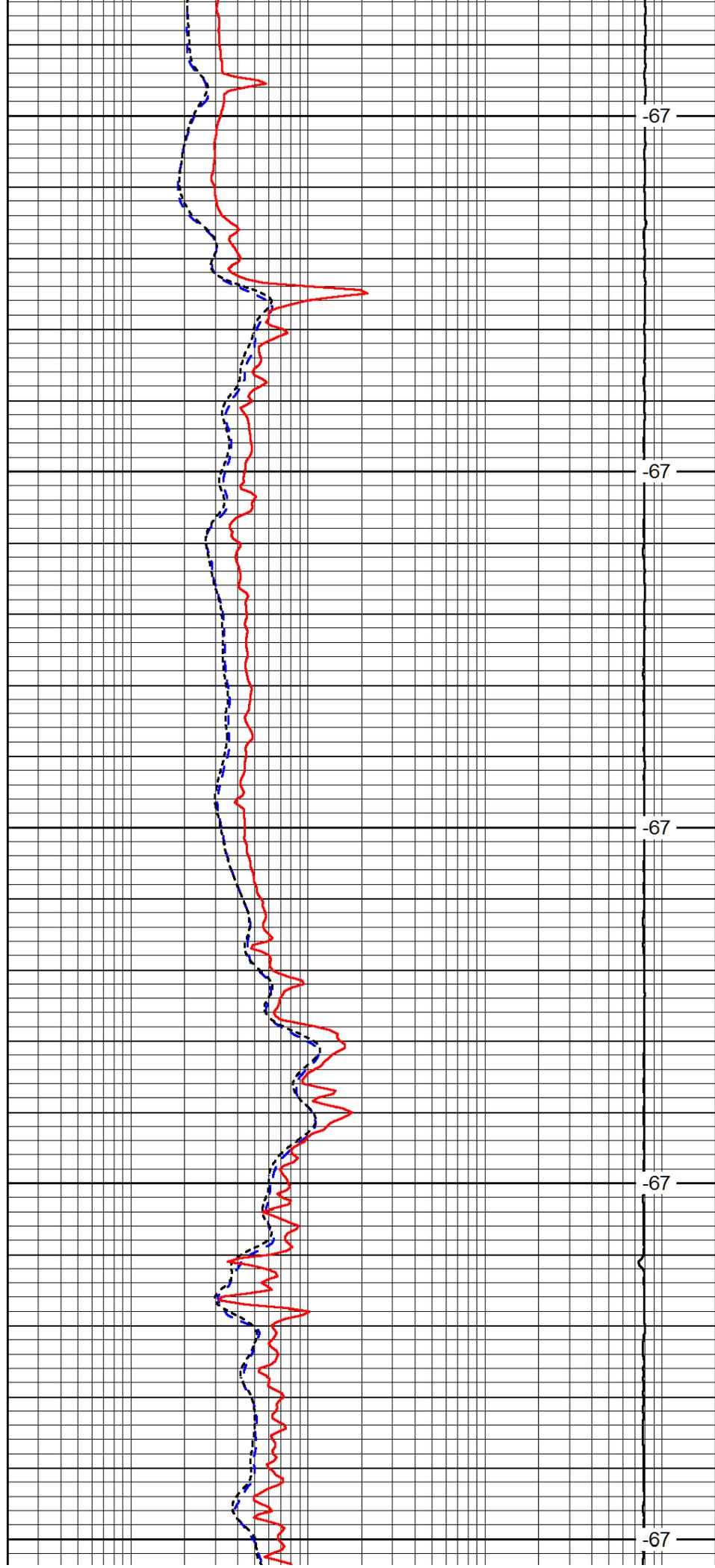
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1350

1400

1450

1500



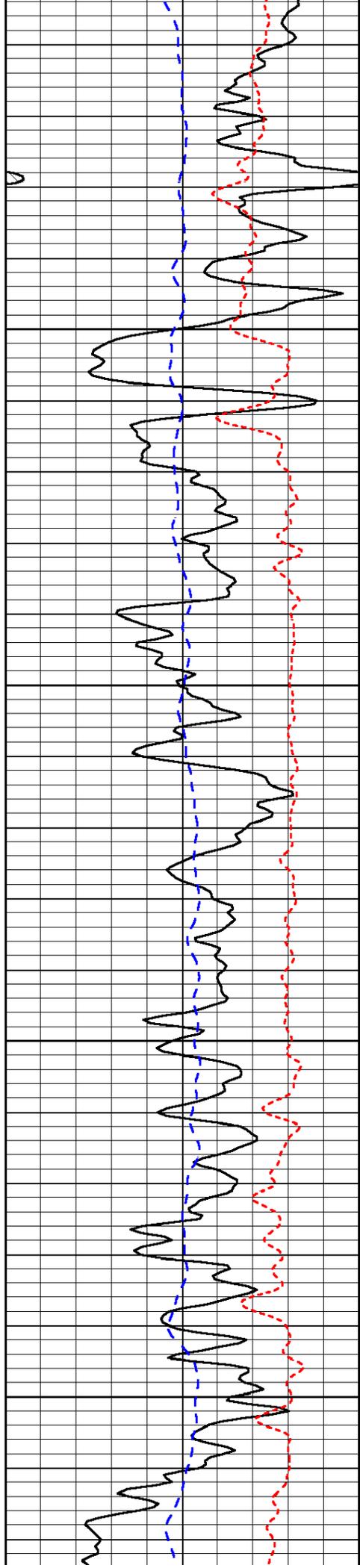
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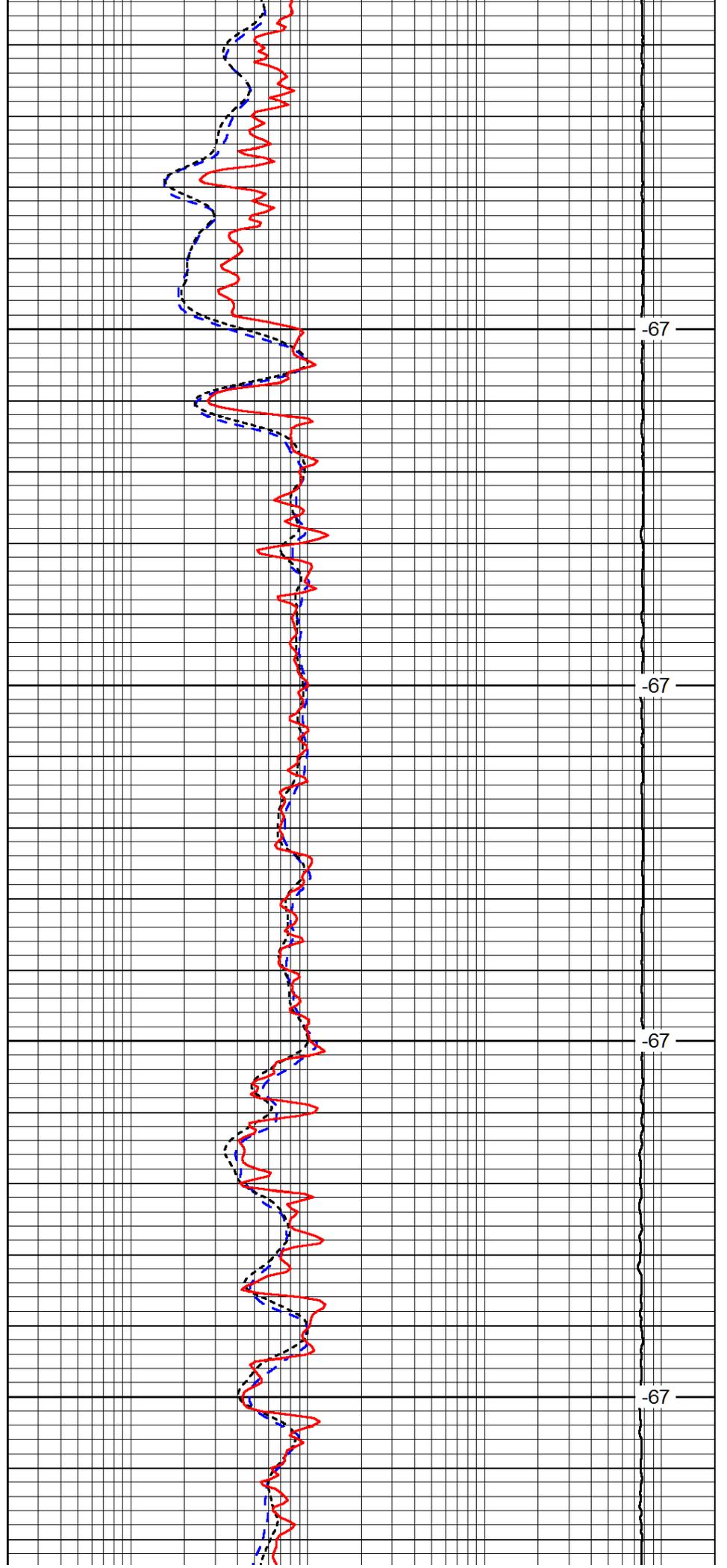


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1600

1650

1700

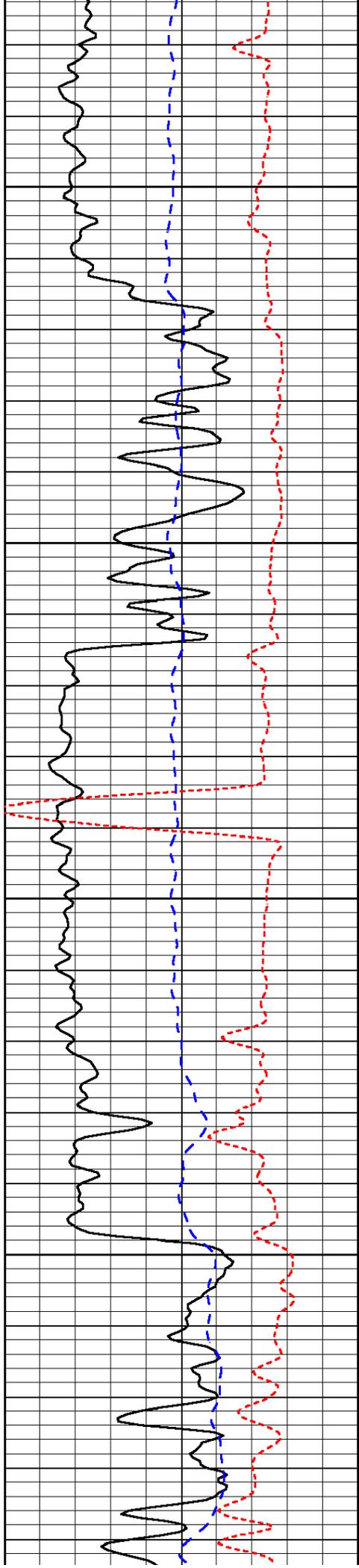


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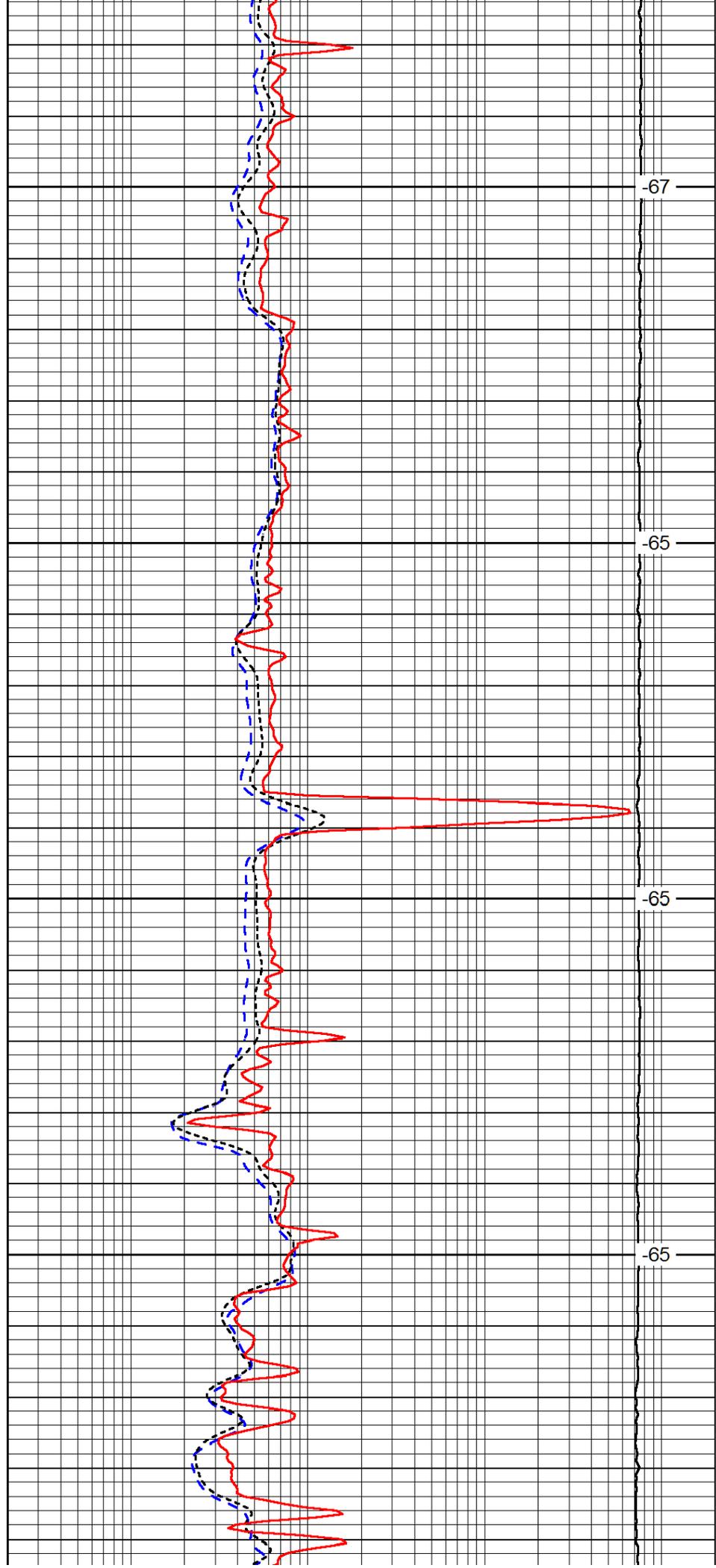


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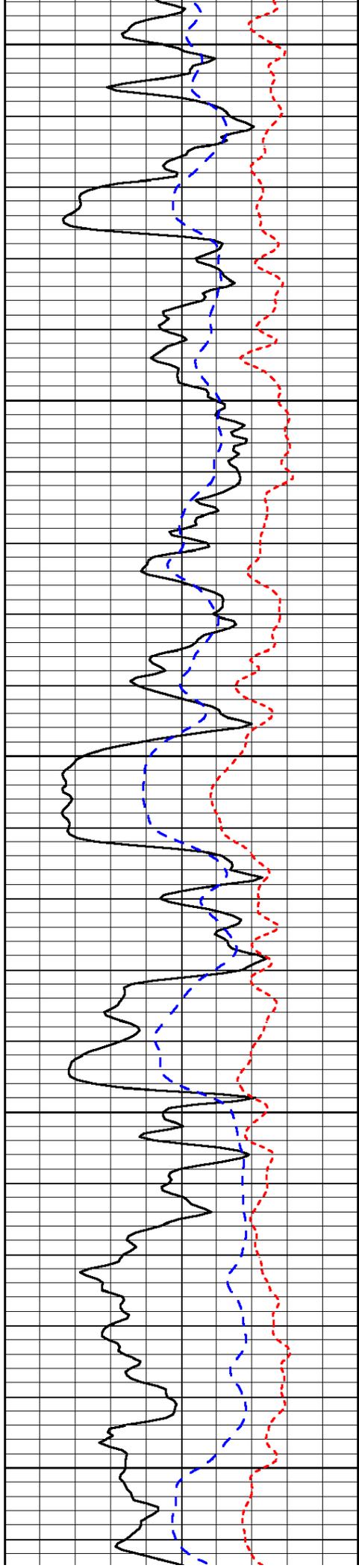


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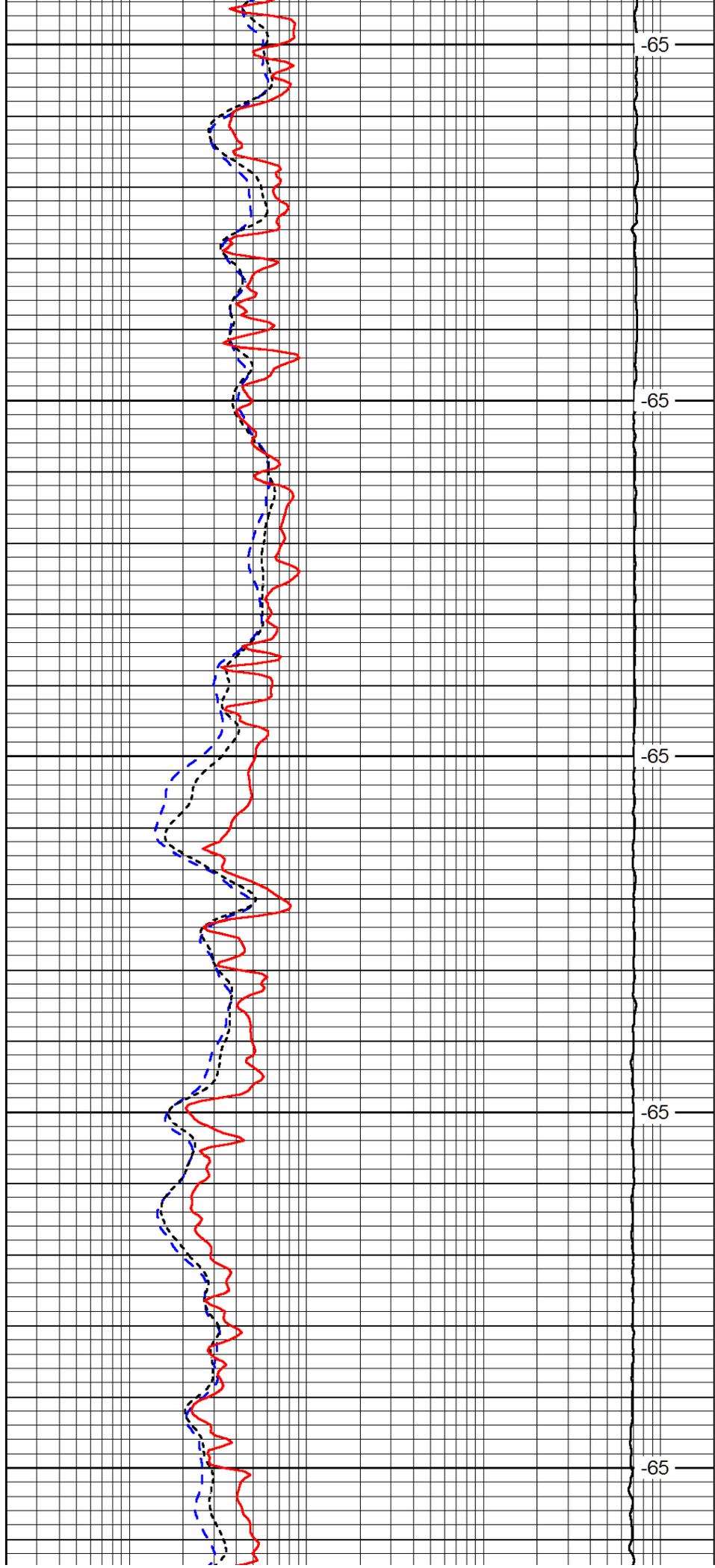
1950

2000

2050

2100

2150



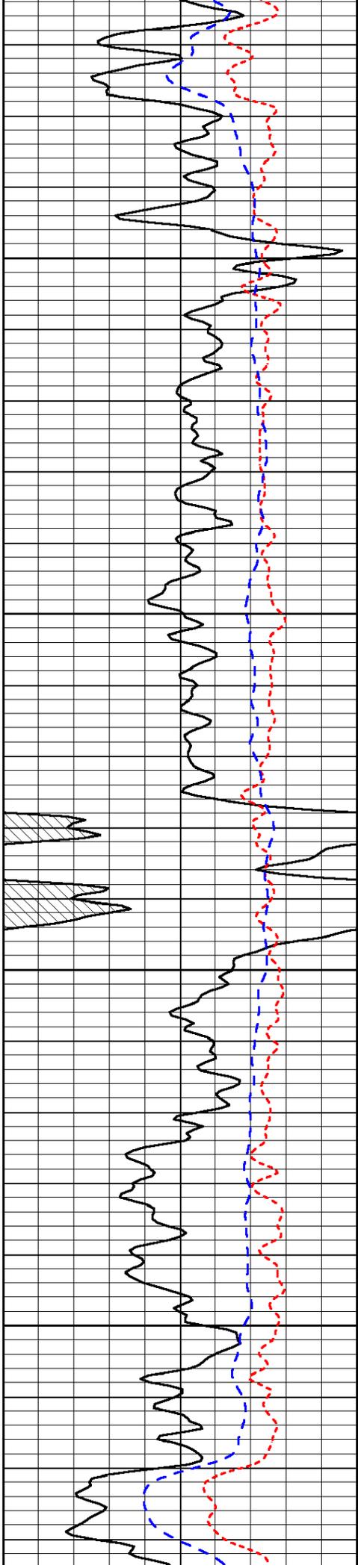
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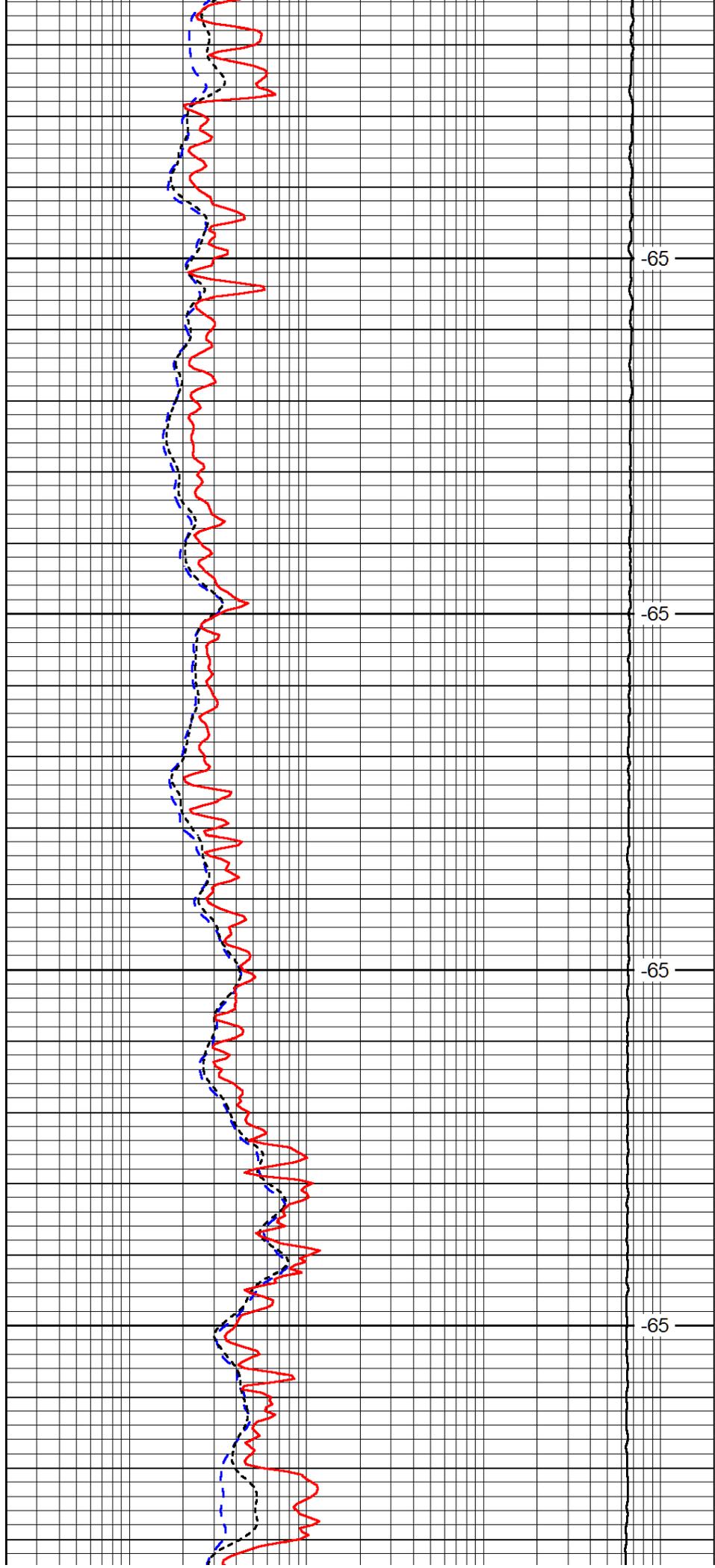


2200

2250

2300

2350

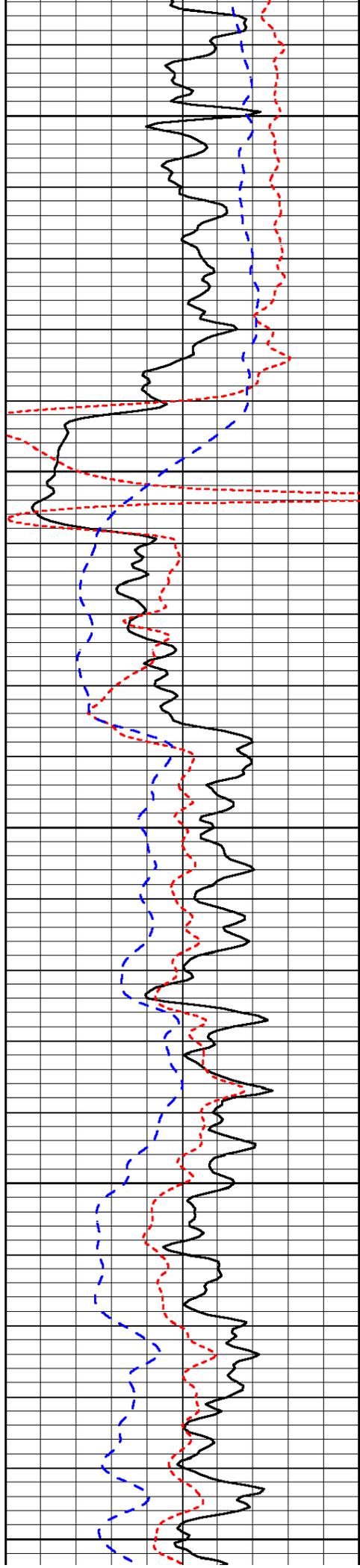


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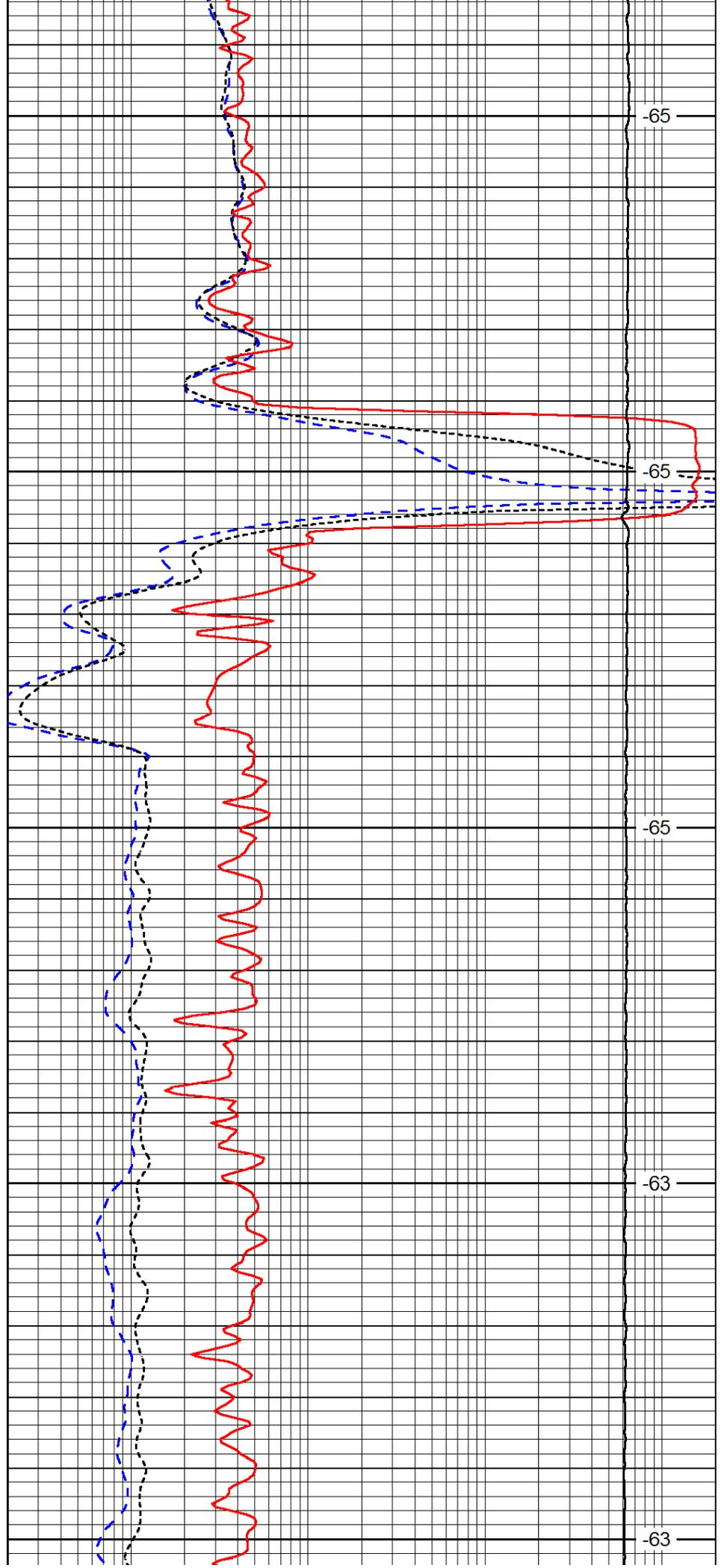
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2500

2550

2600



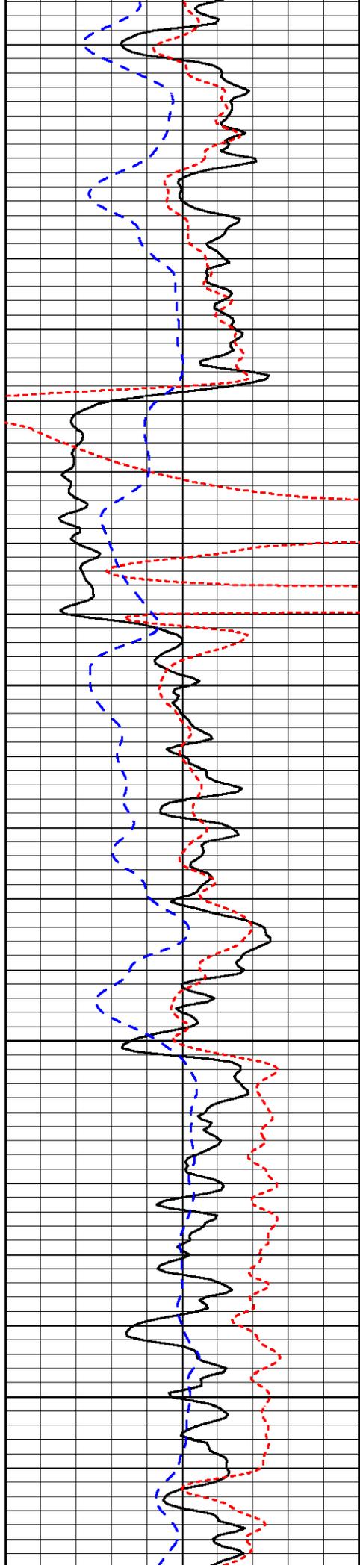
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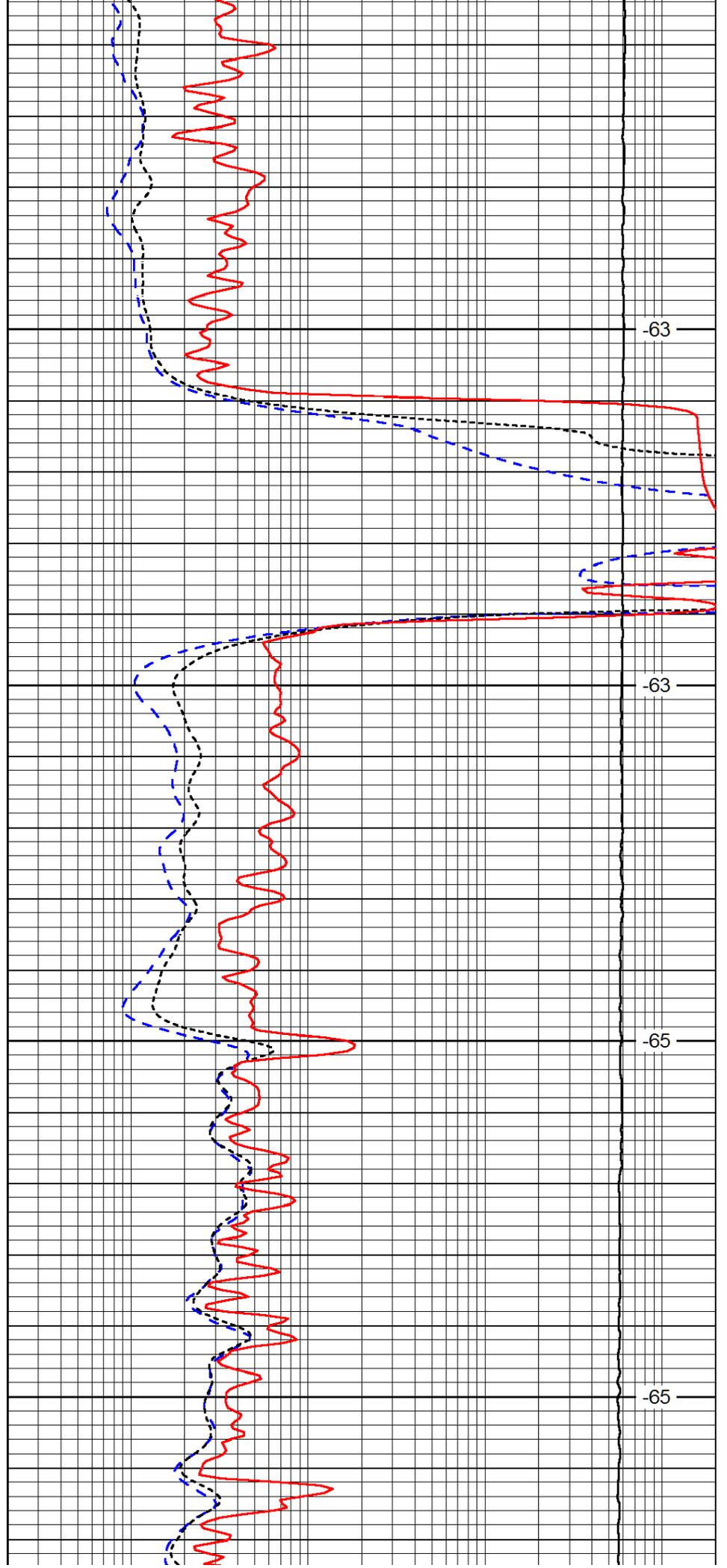


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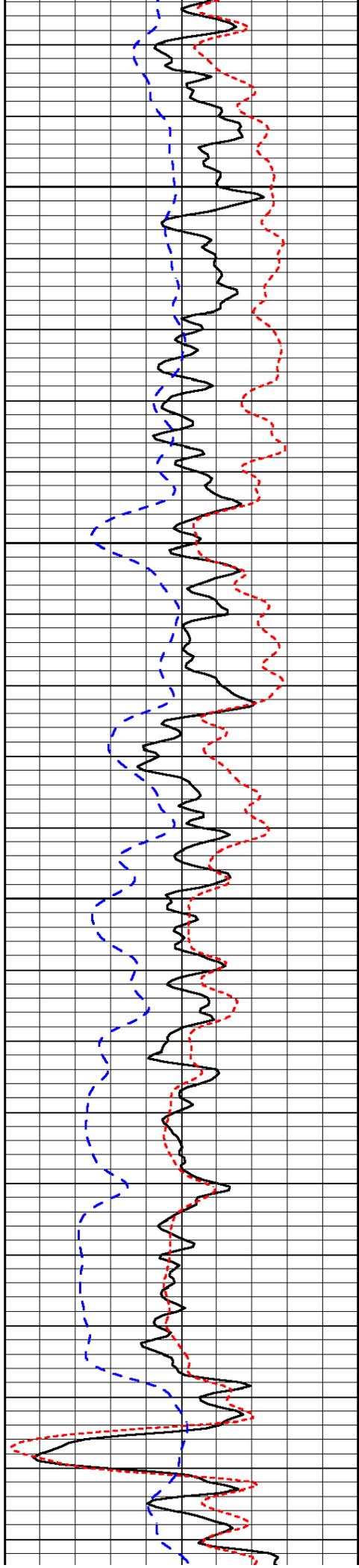


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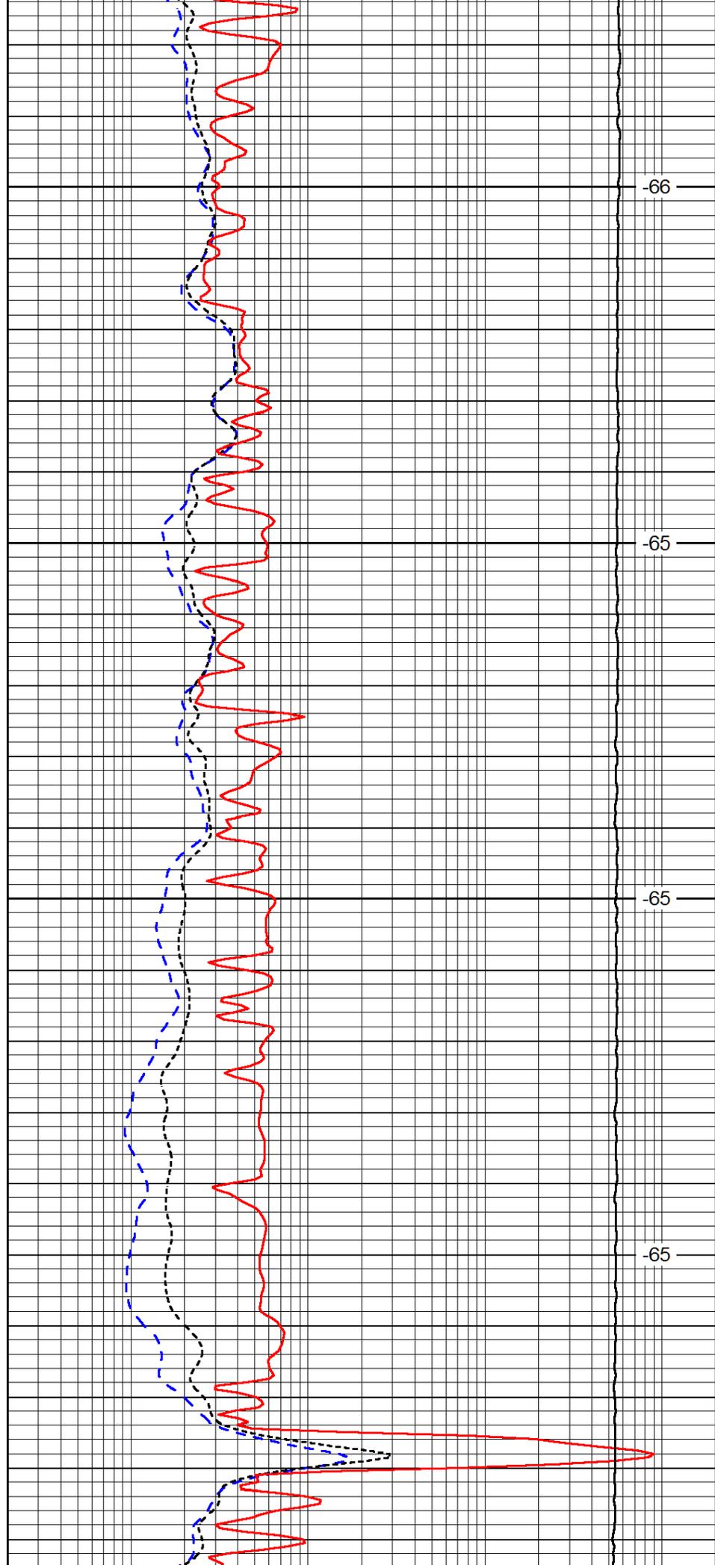


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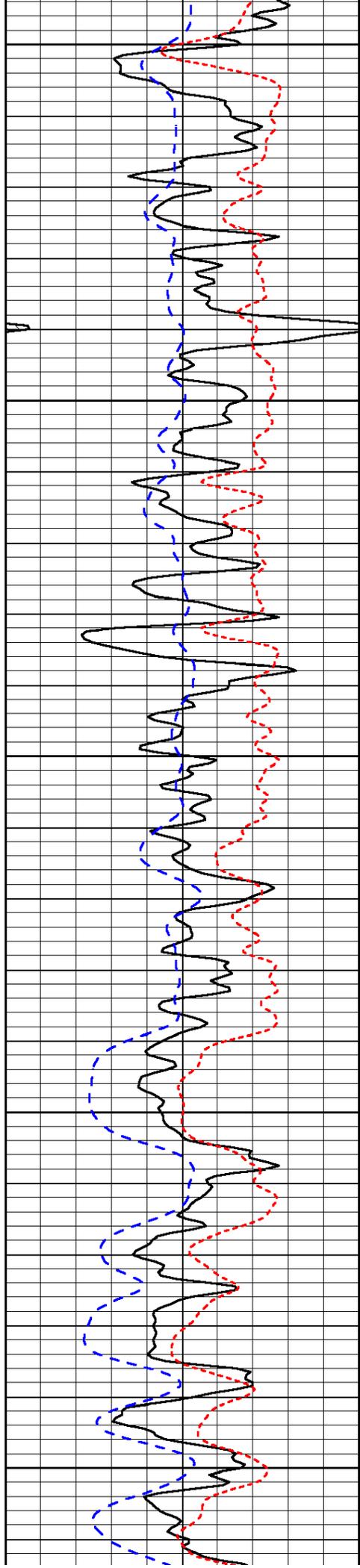


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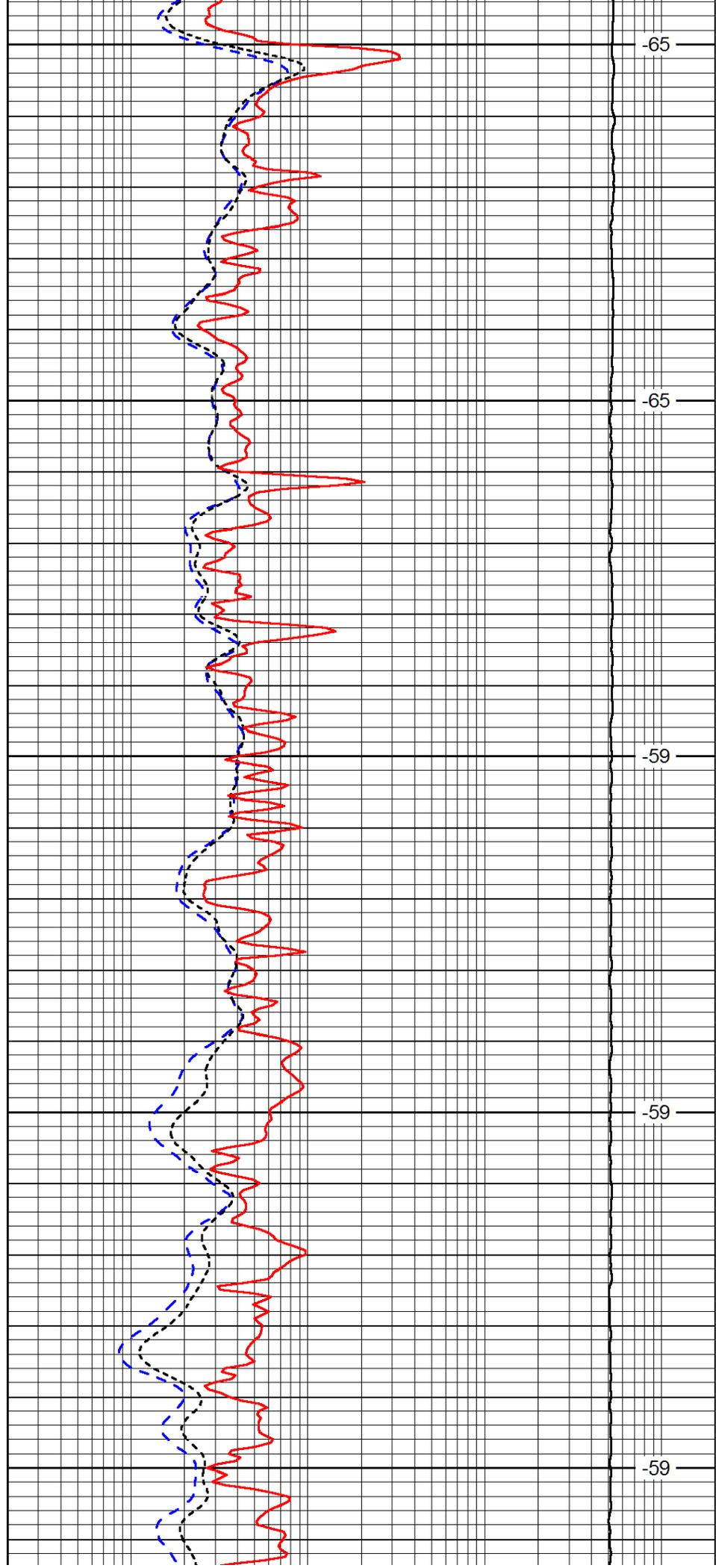
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3100

3150

3200

3250



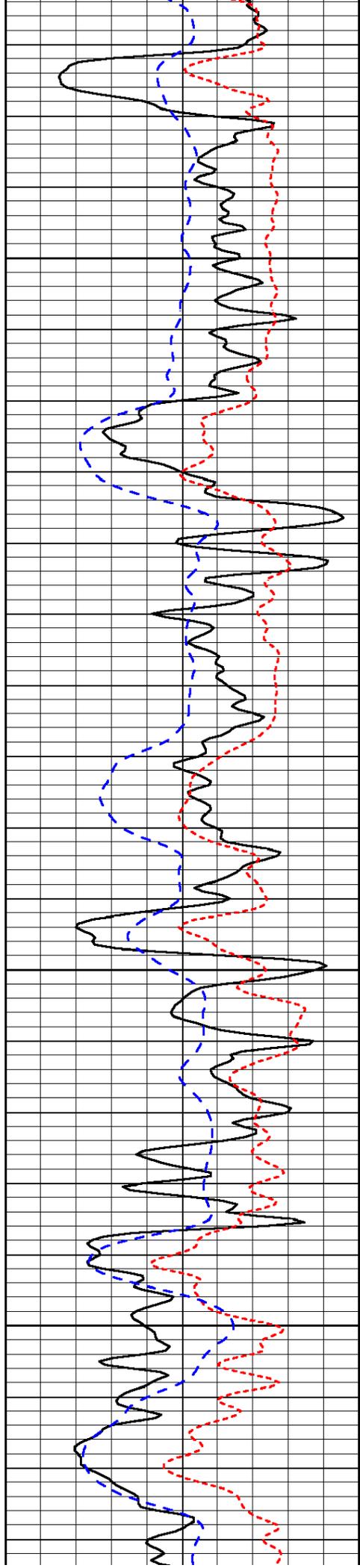
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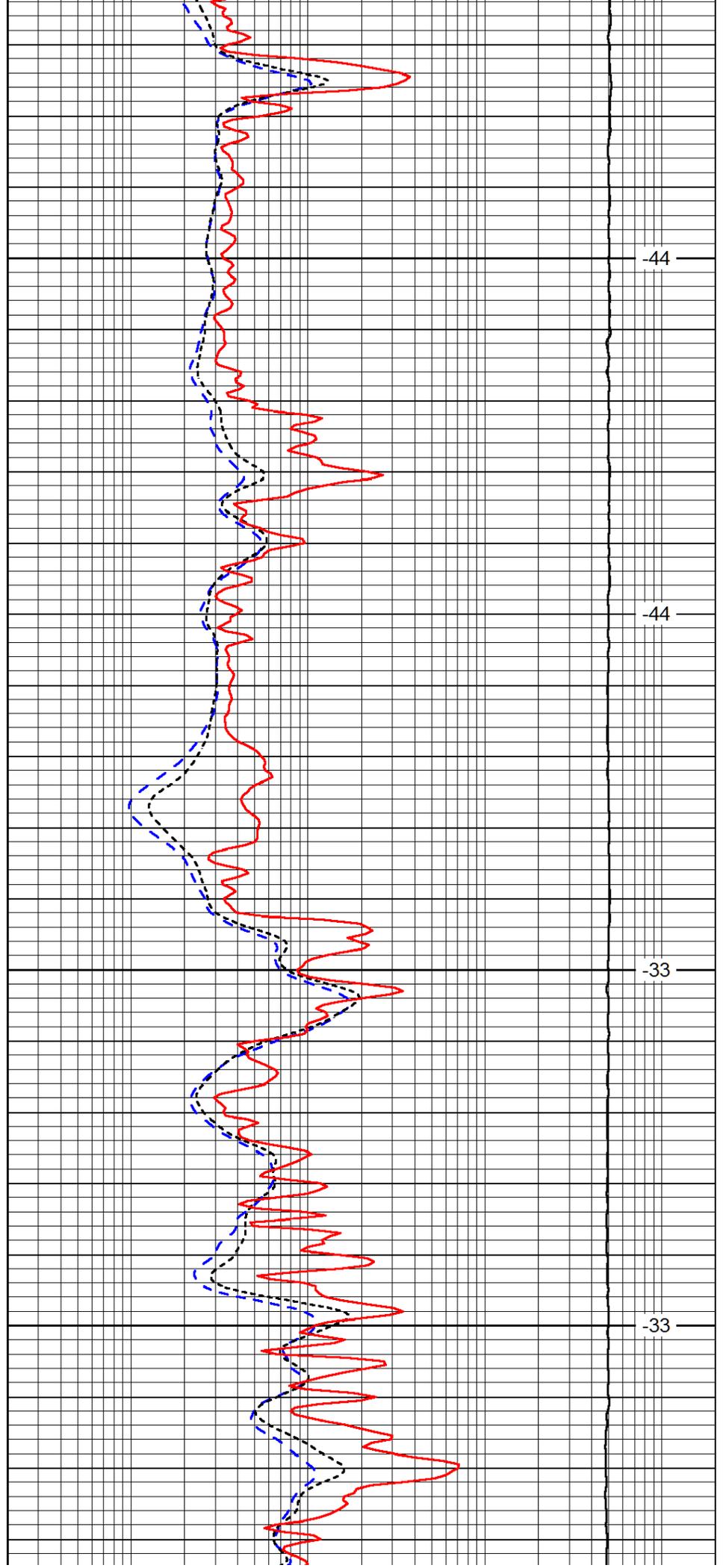


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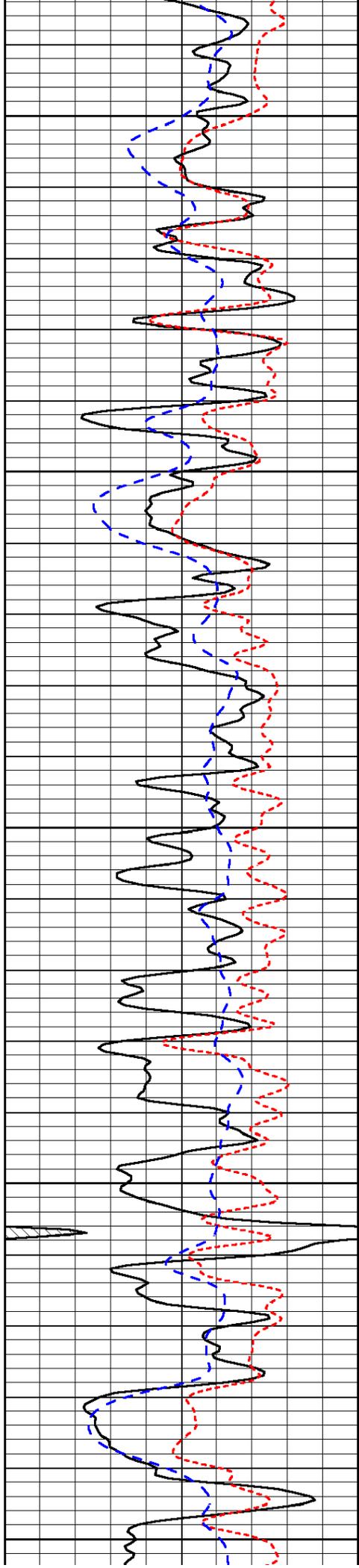


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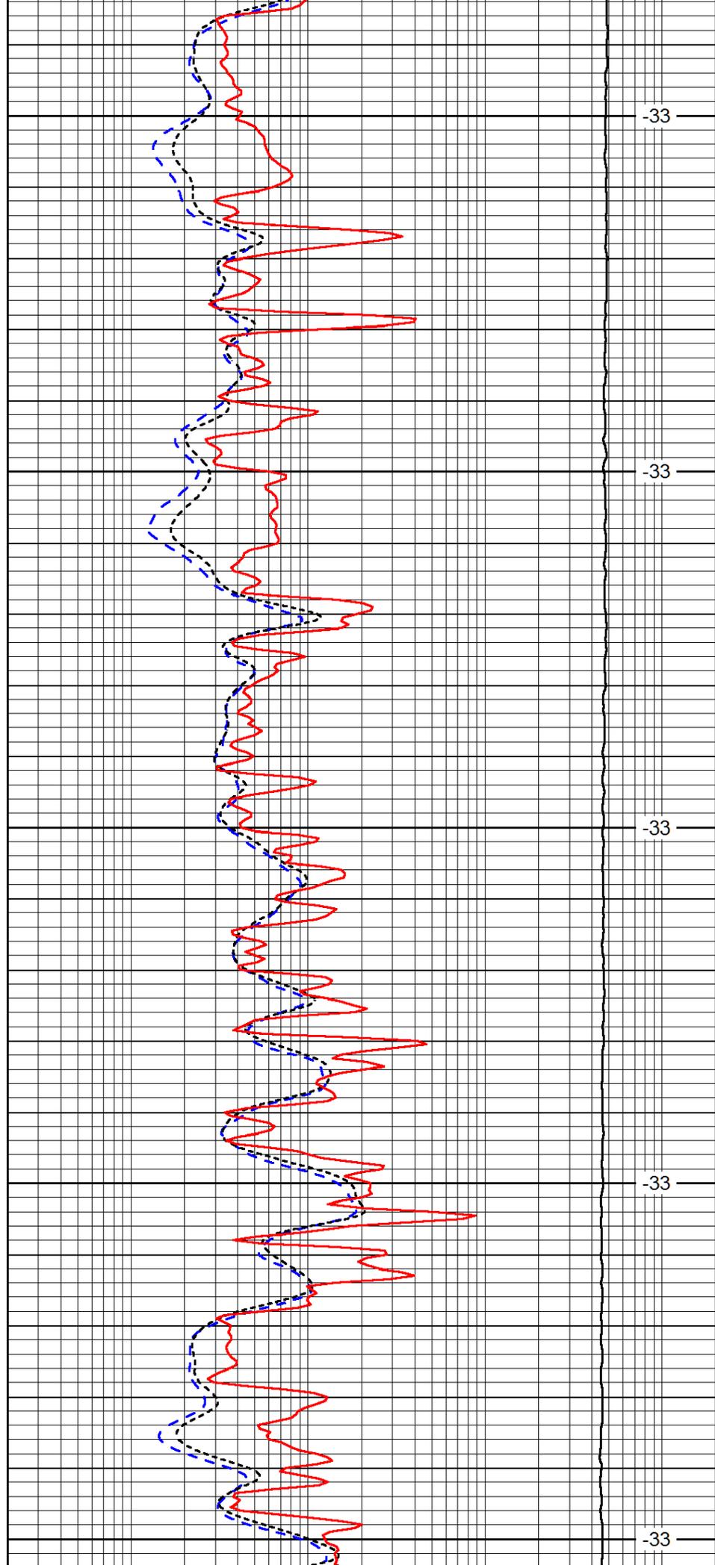
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3700



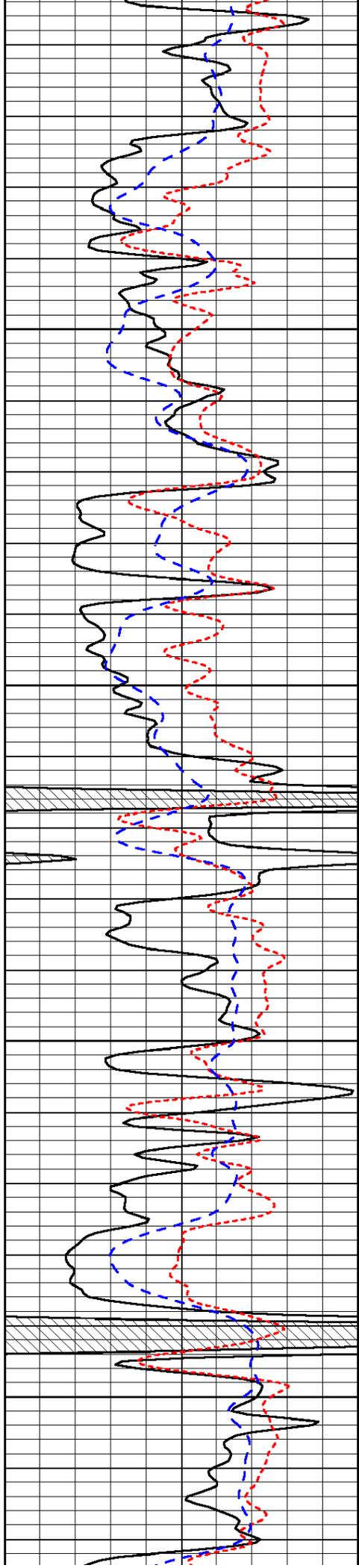
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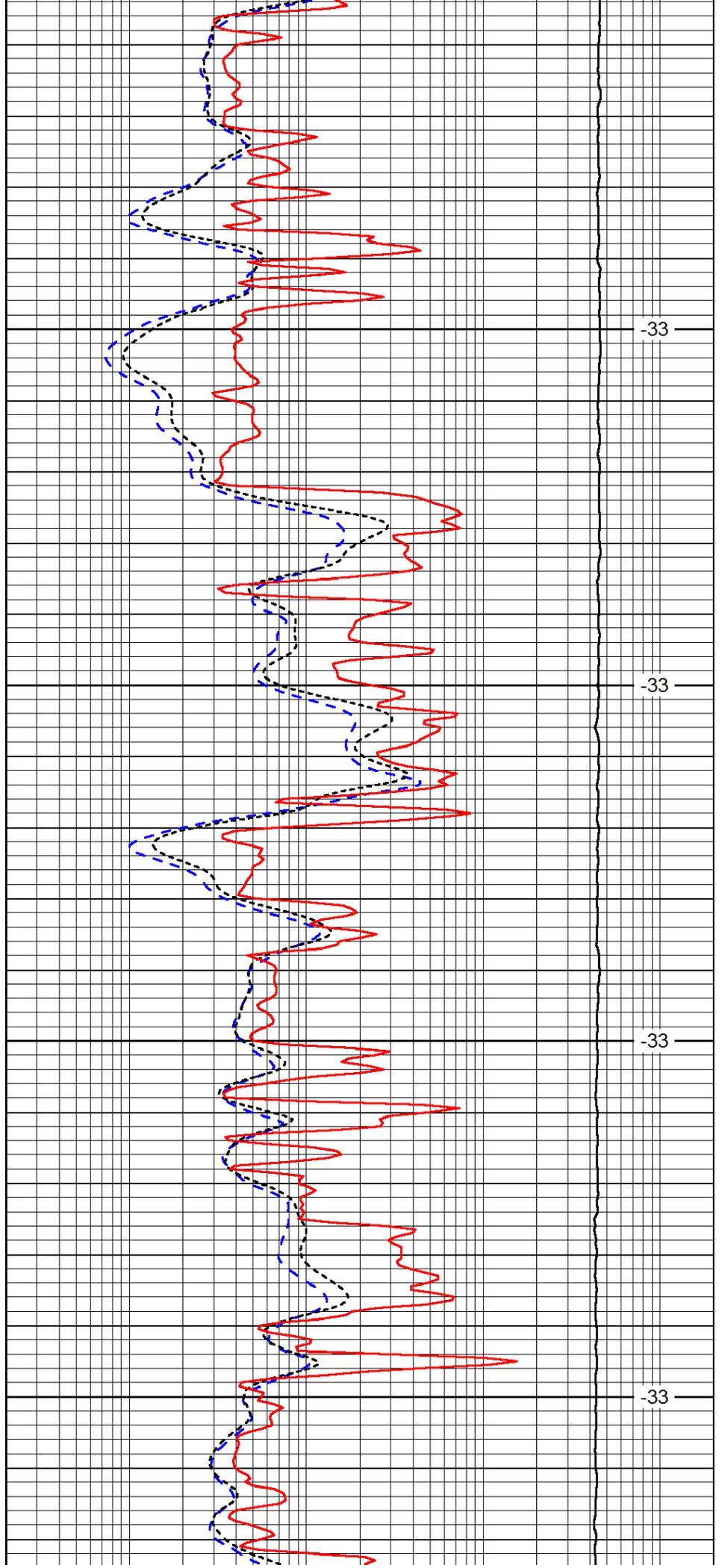


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3900

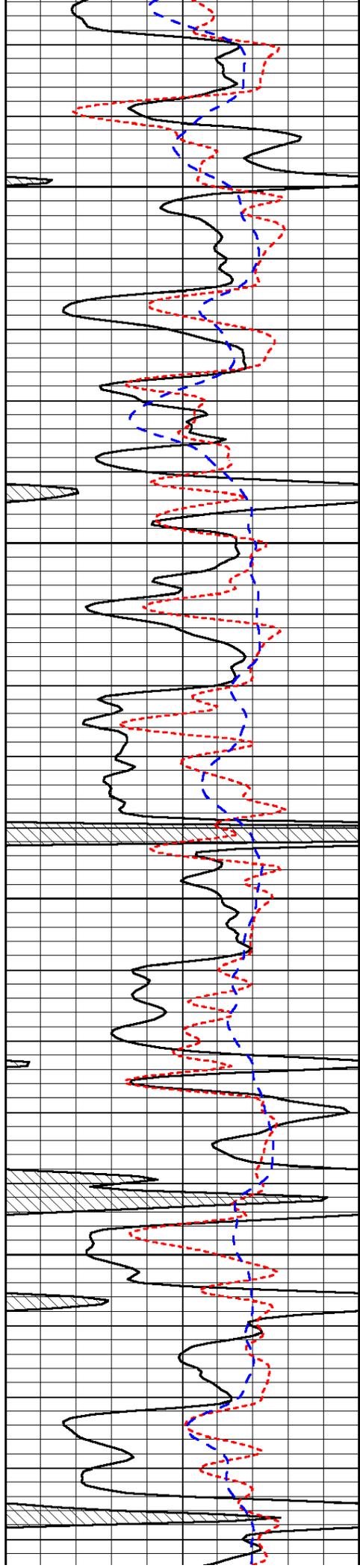


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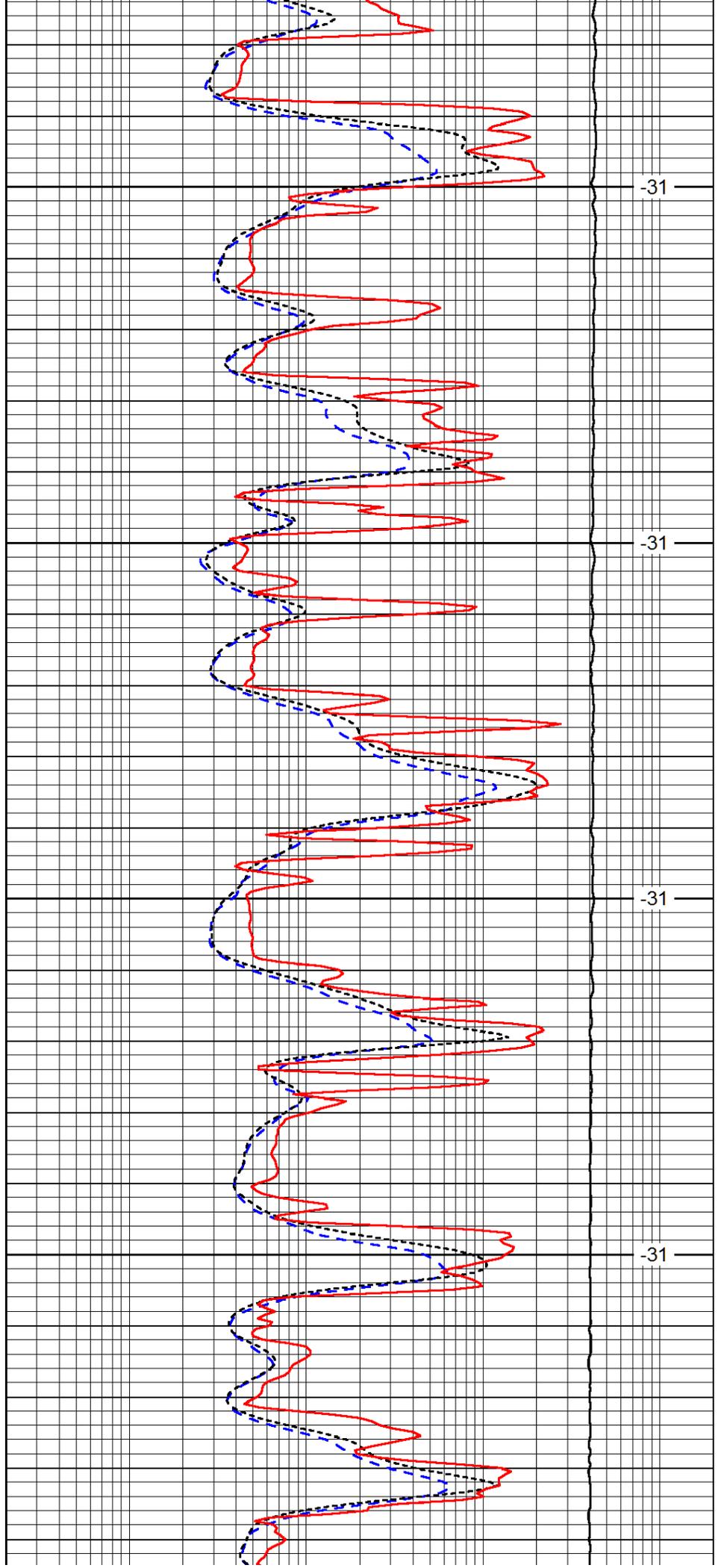


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4050

4100

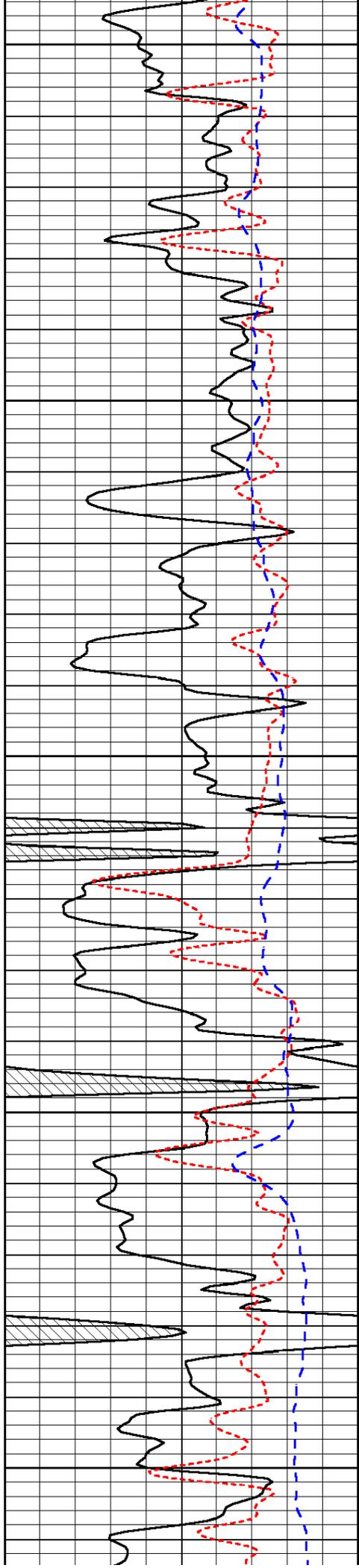


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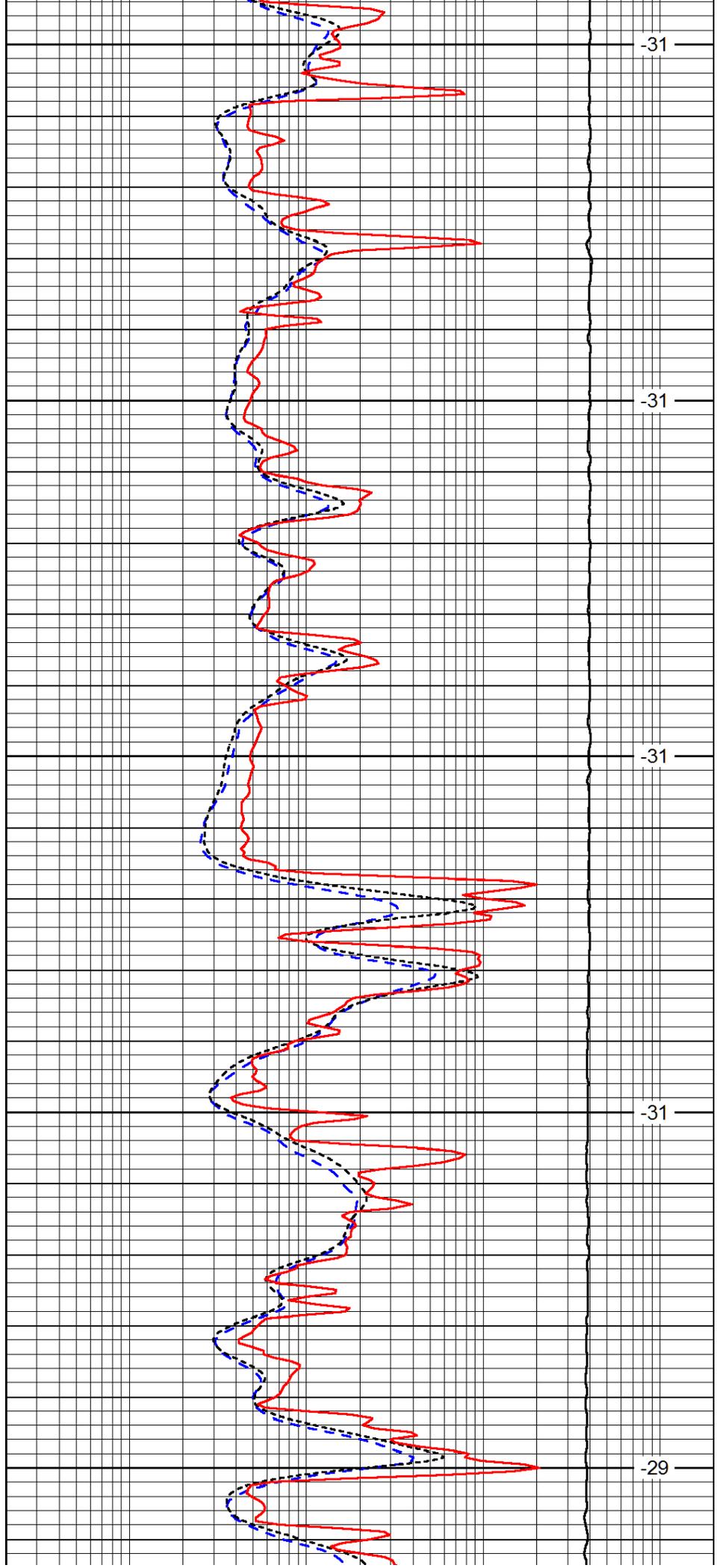
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4200

4250

4300

4350



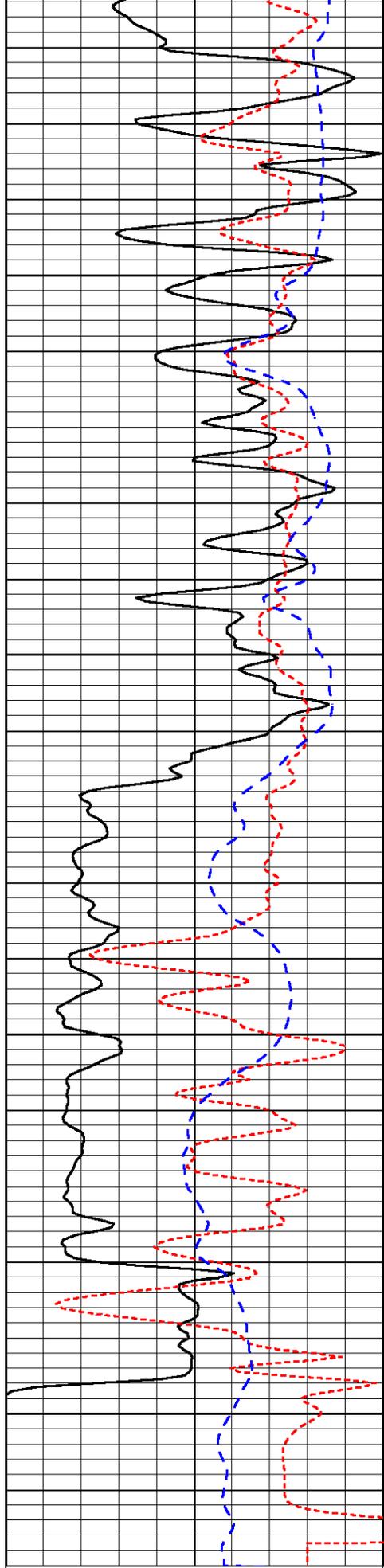
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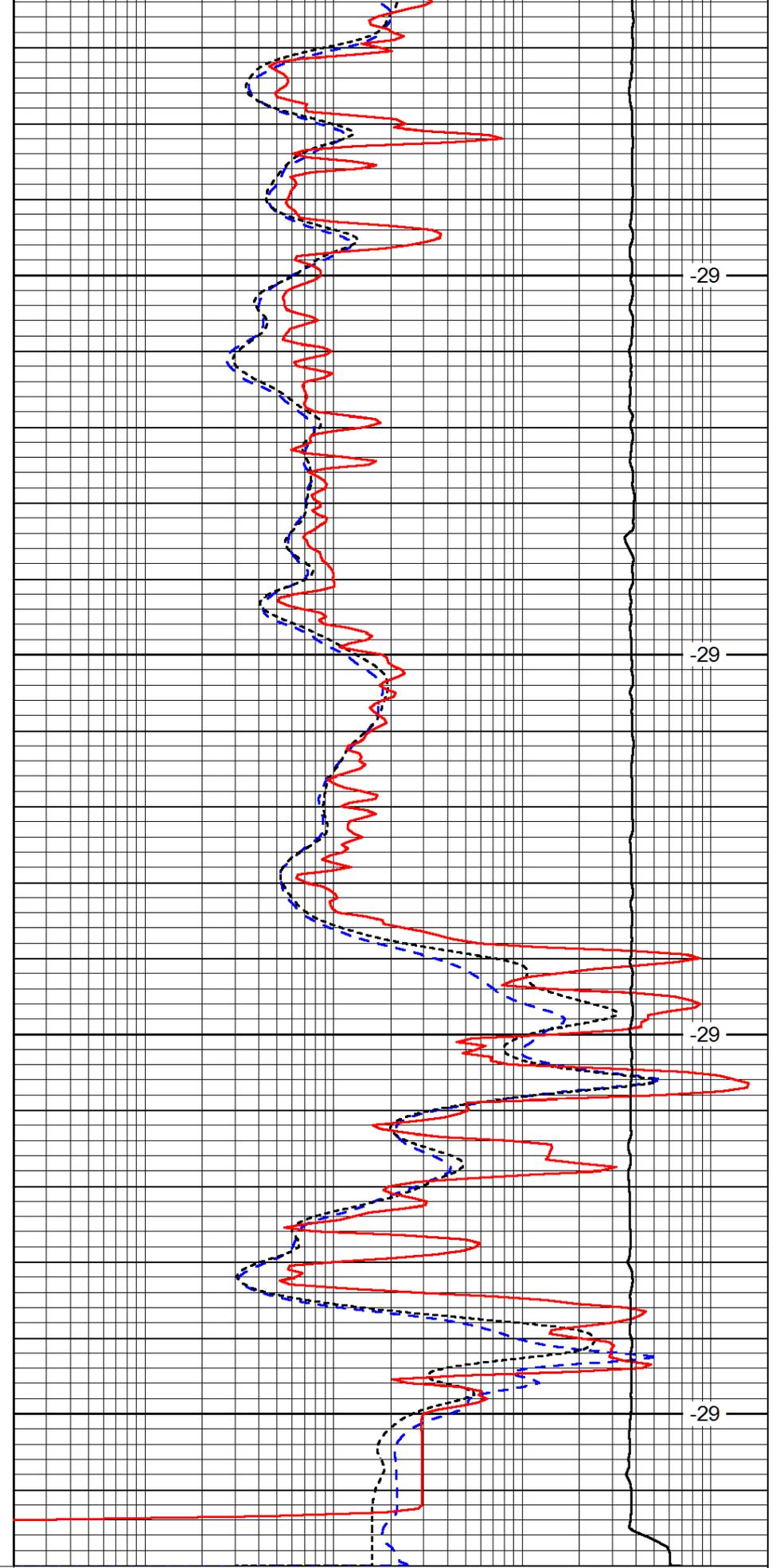
4400

4450

4500

4550

0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0



-29

-29

-29

-29

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000

10000	Line Tension (lb)	0
		LSPD (ft/min)