



Pioneer Energy Services

Dual Induction Log

API No.

15-195-22929-00-00

Company **Murfin Drilling Company, Inc.**

Well **Hobbs #2-2**

Field **Saline Valley**

County **Trego** State

Kansas

Location

2310' FNL & 1648' FWL

Other Services
CNL/CDL
MEL/BHCS

Sec: **2**

Twp: **11S**

Rge: **24W**

Elevation

Permanent Datum
Log Measured From
Drilling Measured From

Ground Level
Kelly Bushing
Kelly Bushing

Elevation 2330
5 Ft. Above Perm. Datum

K.B. 2335
D.F.
G.L. 2330

Date

4/7/2014

Run Number

One

Depth Driller

4029

Depth Logger

4027

Bottom Logged Interval

4026

Top Log Interval

0

Casing Driller

8.625 @ 219

Casing Logger

218

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

3000

Density / Viscosity

9.0 63

pH / Fluid Loss

11.5 6.0

Source of Sample

Flowline

Rm @ Meas. Temp

0.46 @ 64

Rmf @ Meas. Temp

0.35 @ 64

Rmc @ Meas. Temp

0.62 @ 64

Source of Rmf / Rmc

Charts

Rm @ BHT

0.25 @ 118

Operating Rig Time

5 Hours

Max Rec. Temp. F

118

Equipment Number

91

Location

Hays

Recorded By

D. Schmitt

Witnessed By

Charles Schmitz

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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

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

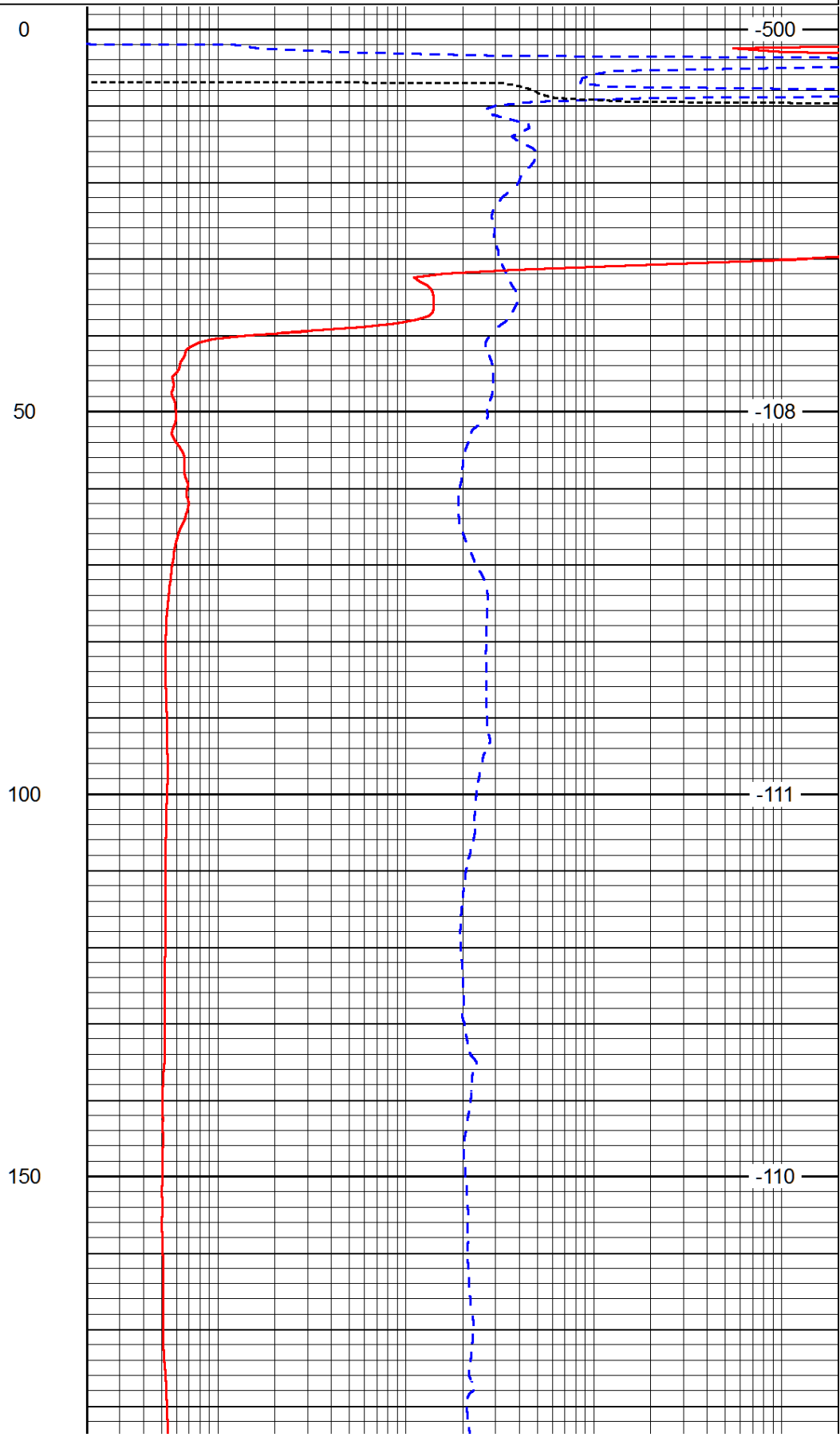
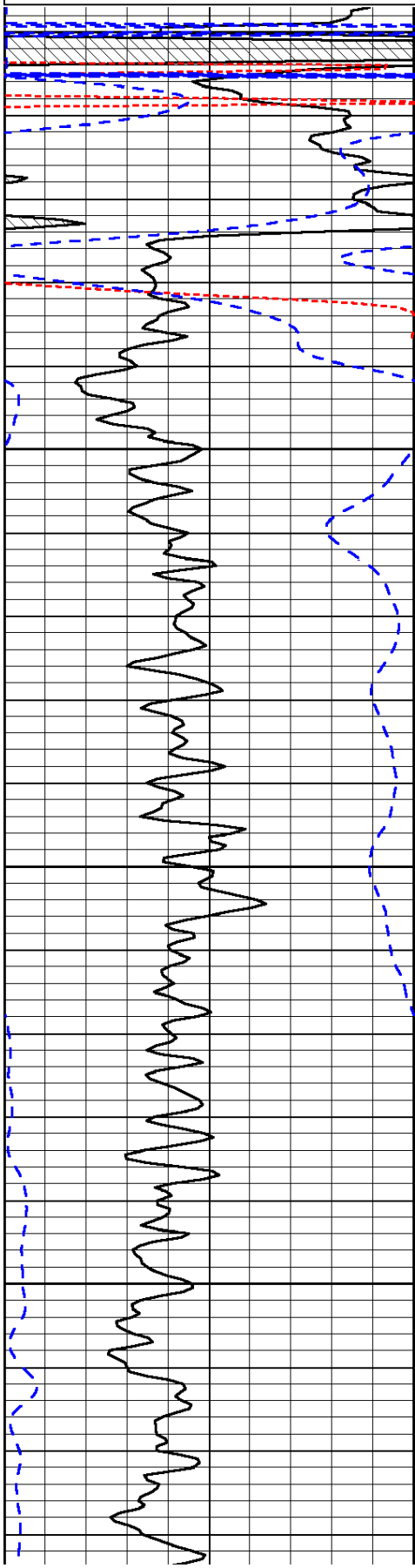
Wakeeney,
North on Hwy 281 to B Rd, 5 West to 210 Rd, 3/4 North,
East & South into

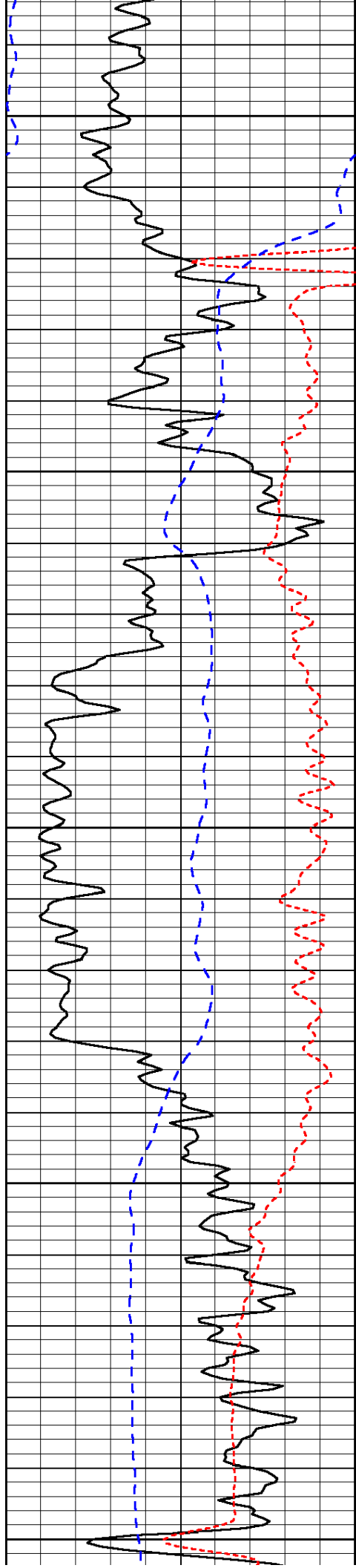
Database File: murfin2_040714hd.db
Dataset Pathname: dil/mrfstkml
Presentation Format: dil
Dataset Creation: Mon Apr 07 14:30:13 2014
Charted by: Depth in Feet scaled 1:240

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)





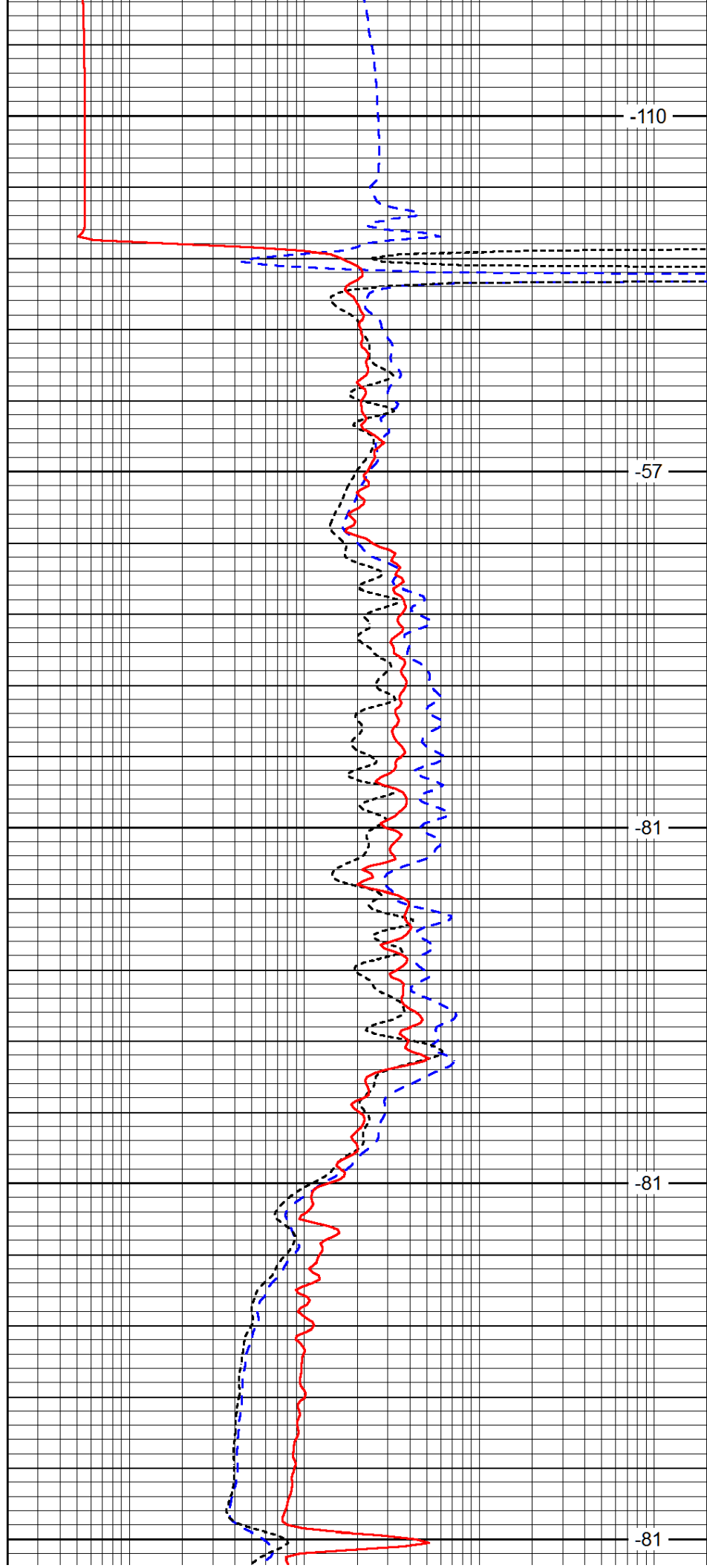
200

250

300

350

400



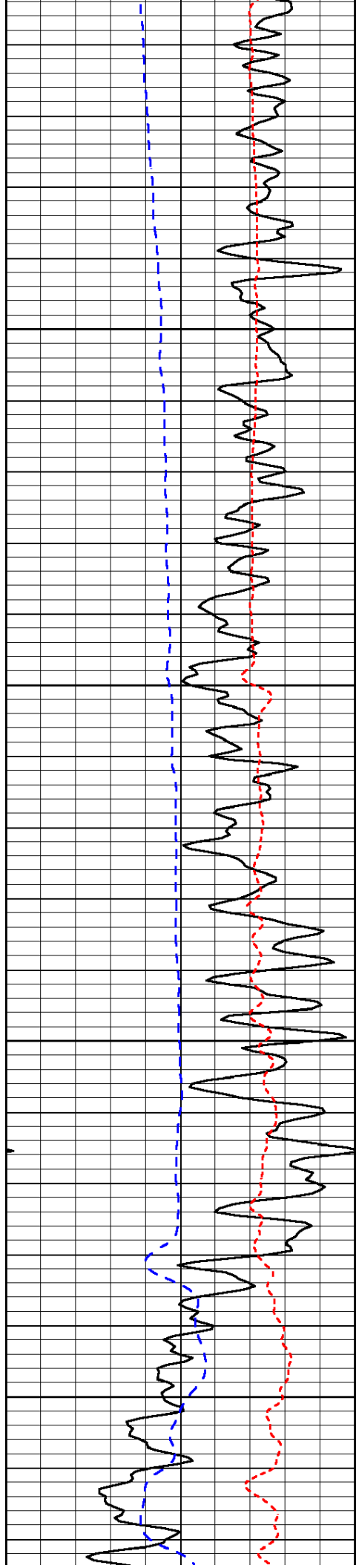
-110

-57

-81

-81

-81

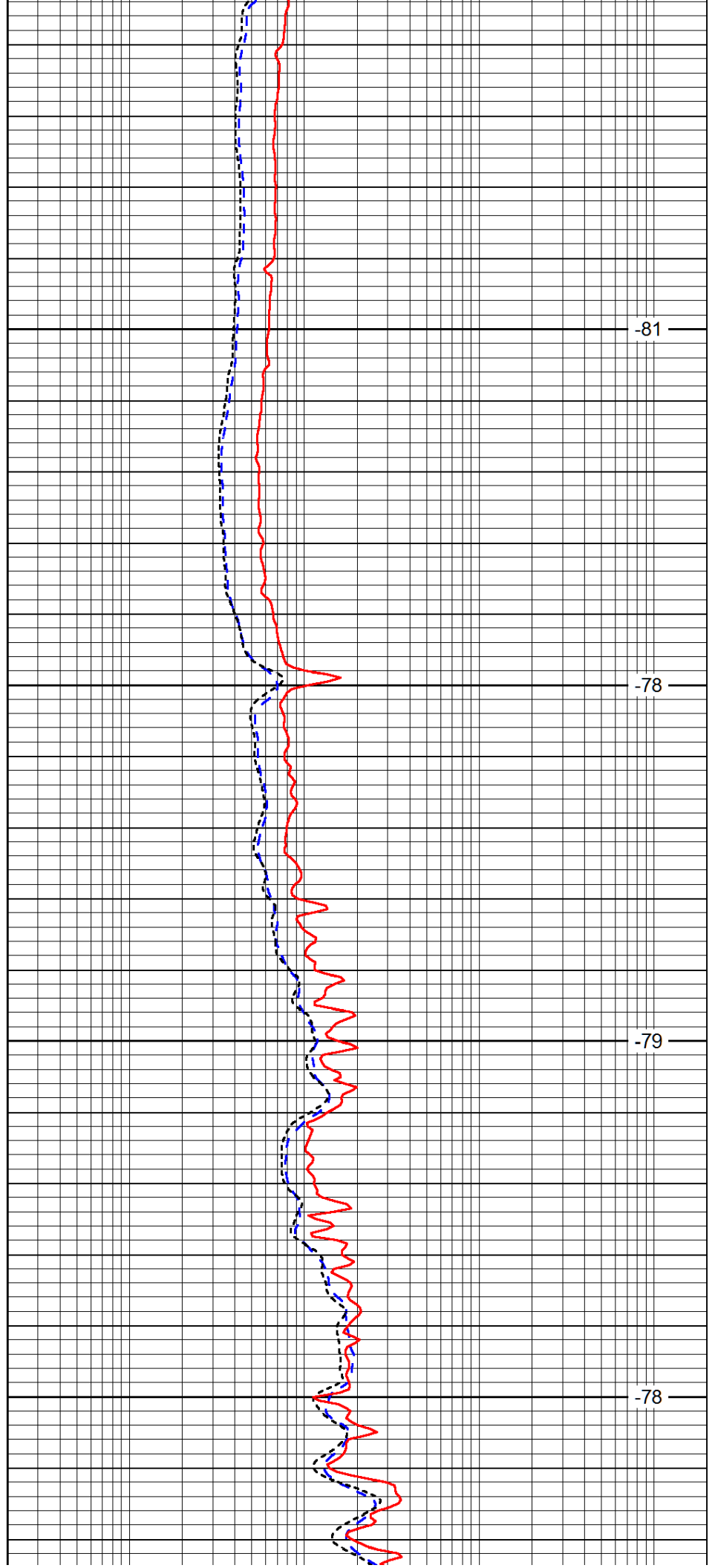


450

500

550

600

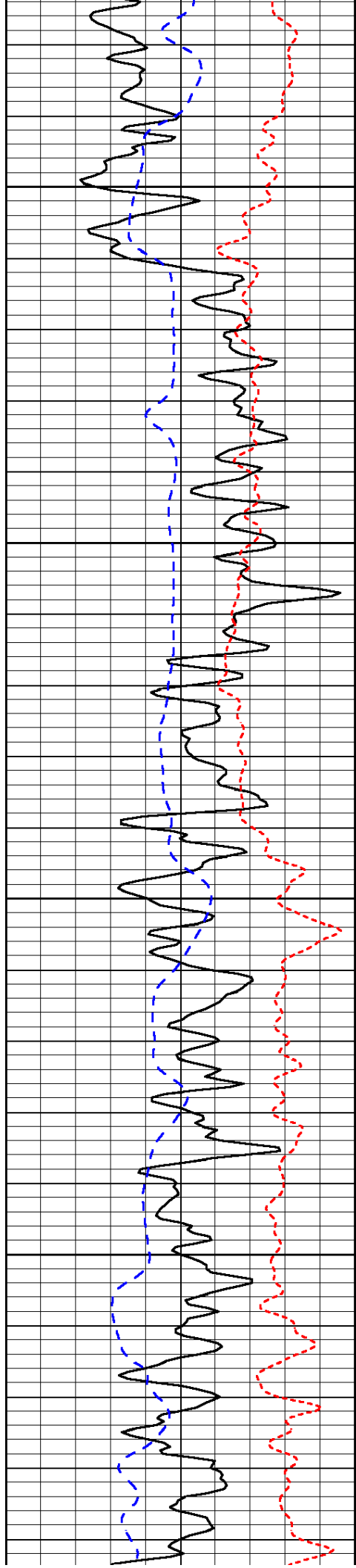


-81

-78

-79

-78

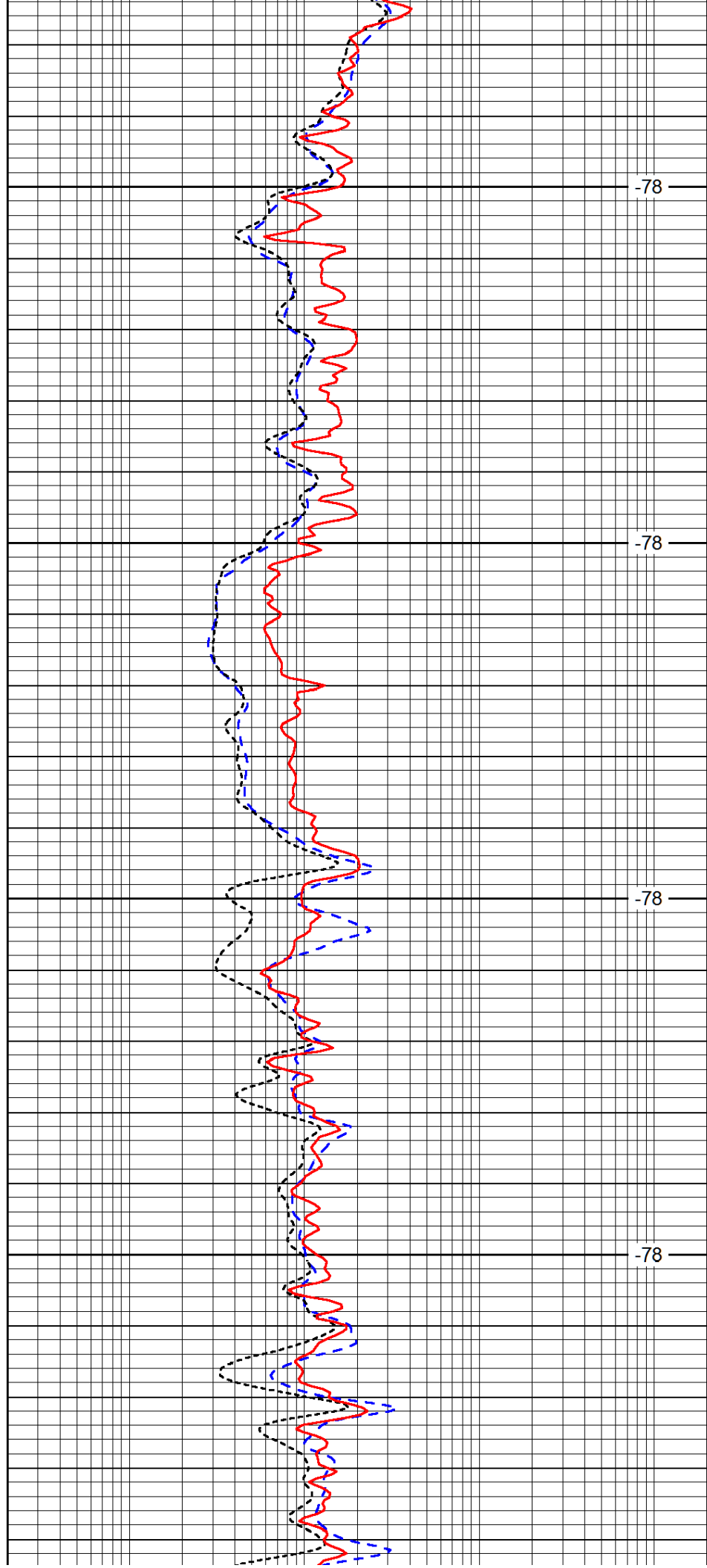


650

700

750

800

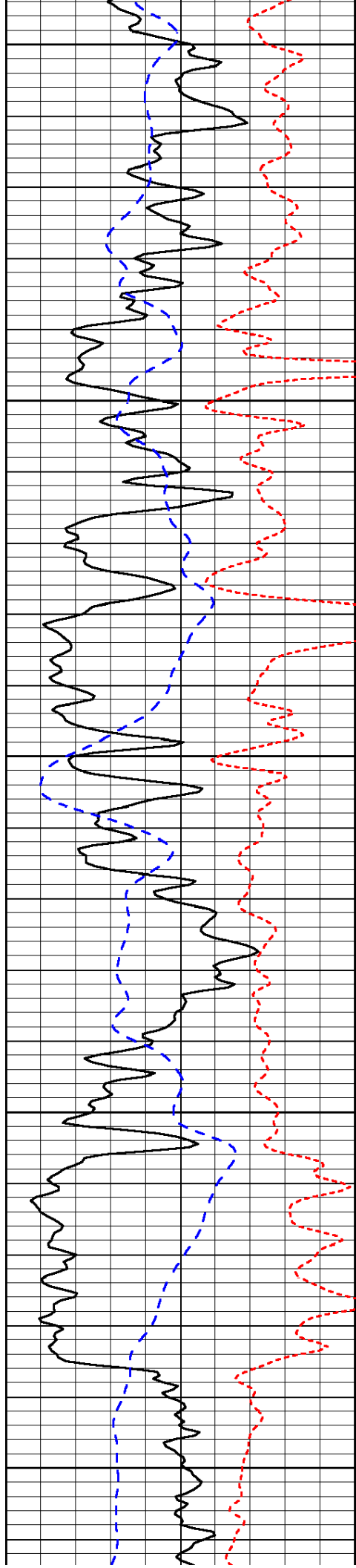


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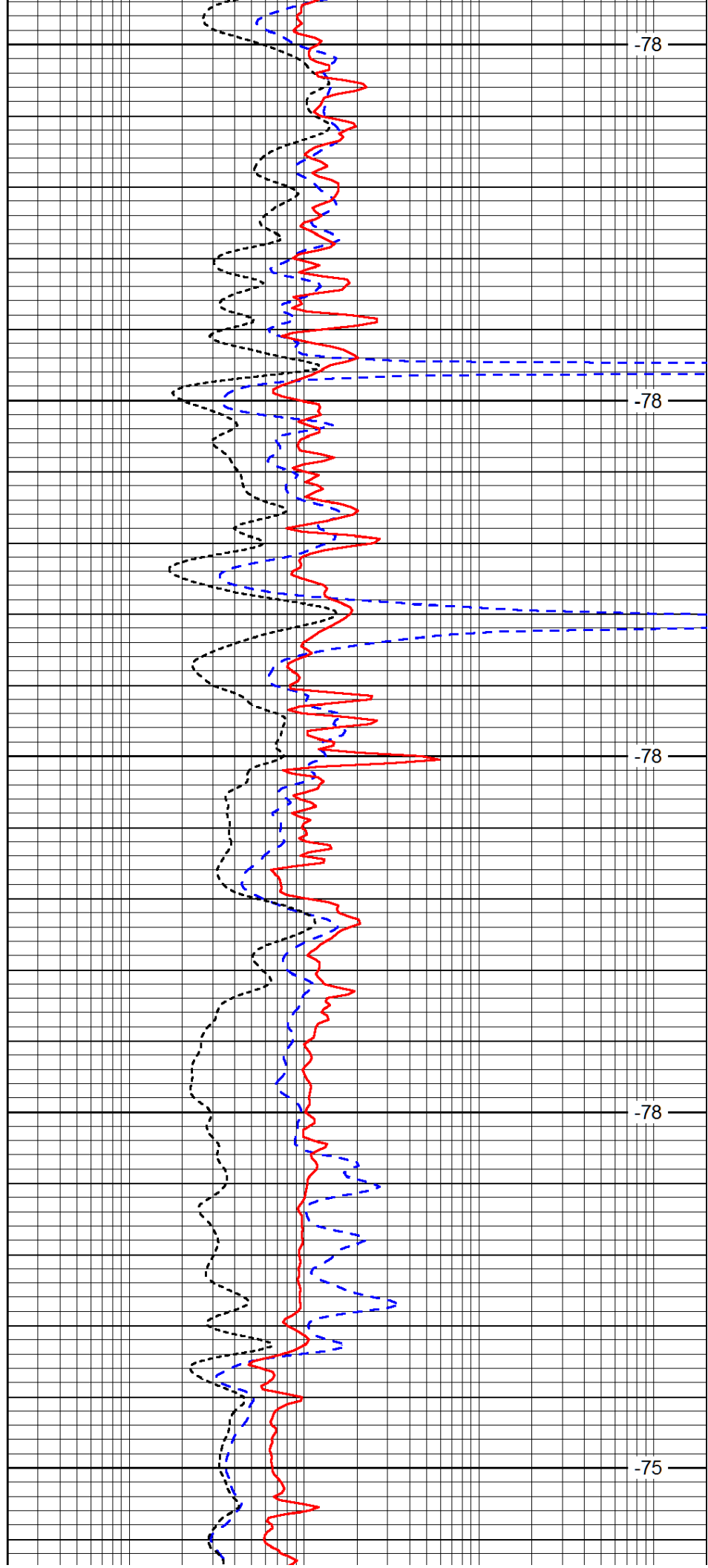
850

900

950

1000

1050



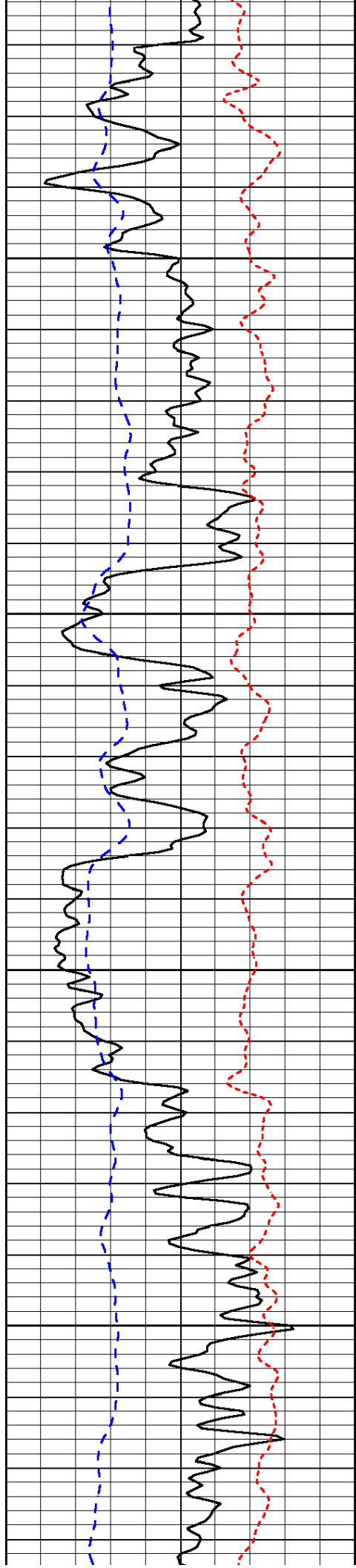
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-78

-75

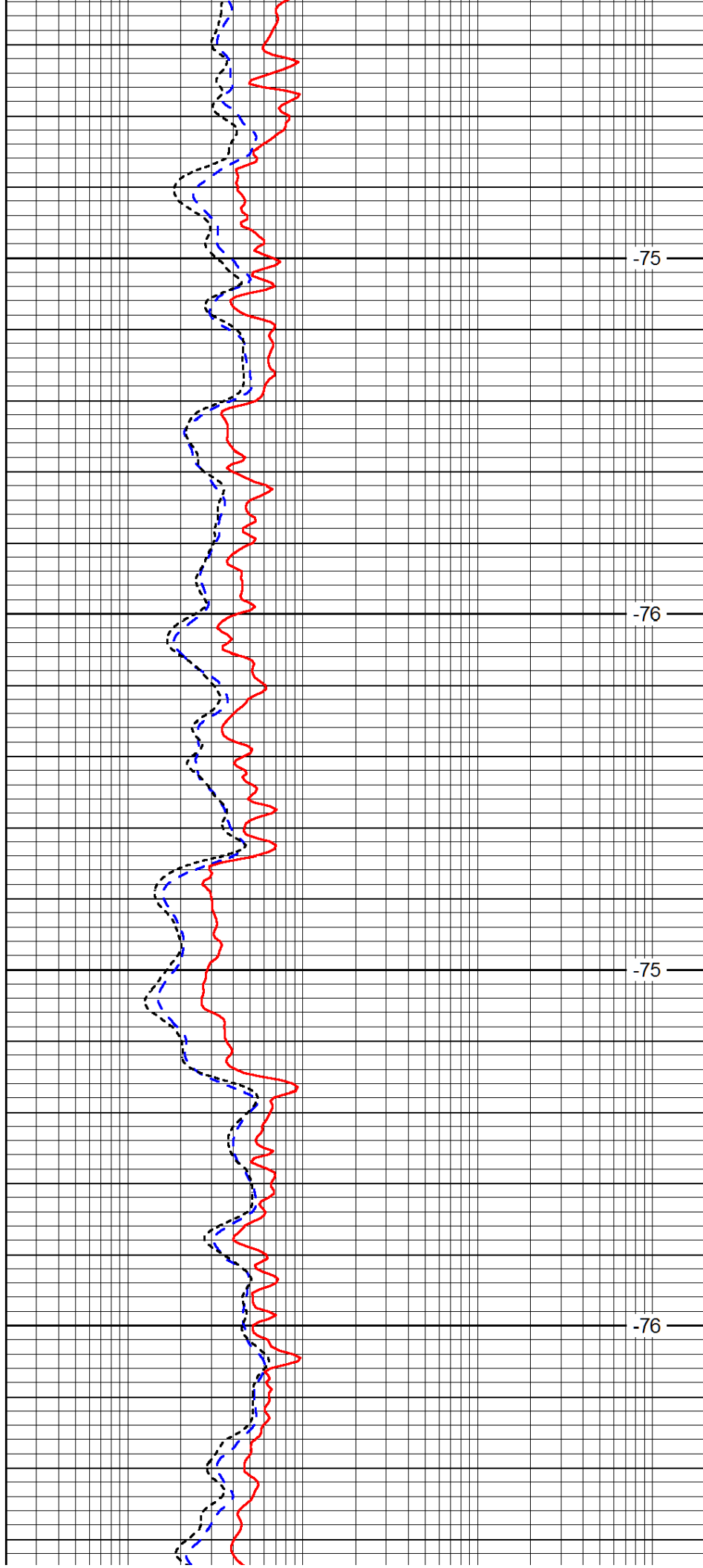


1100

1150

1200

1250

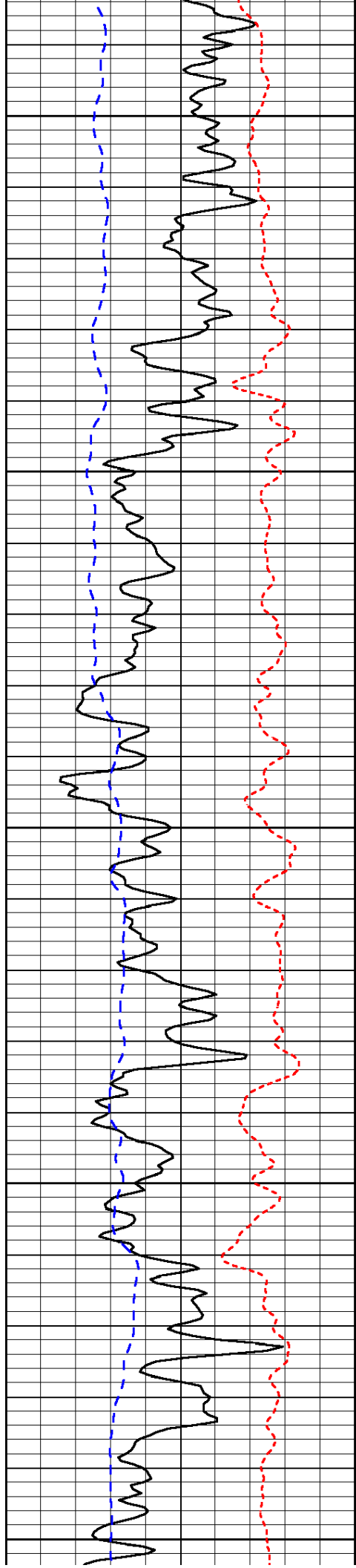


-75

-76

-75

-76



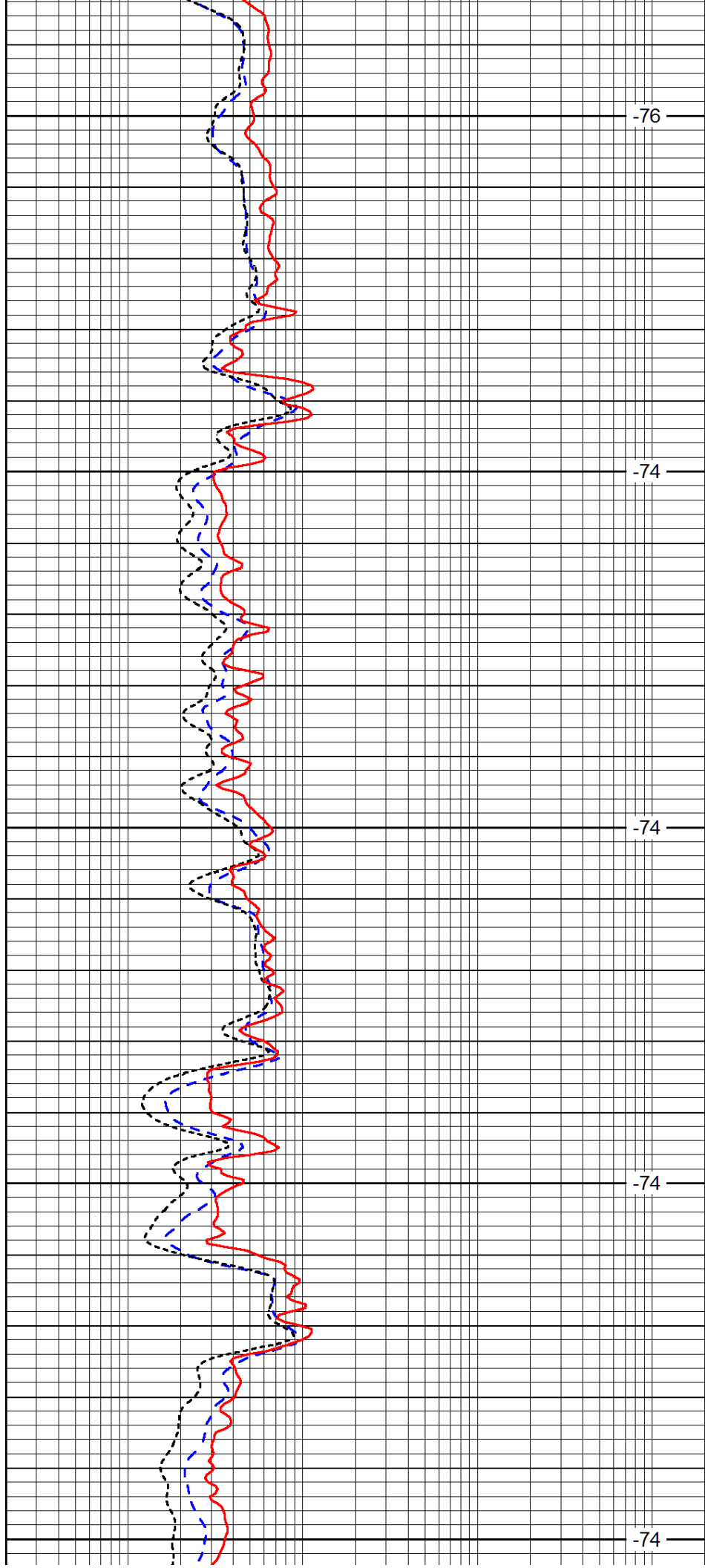
1300

1350

1400

1450

1500



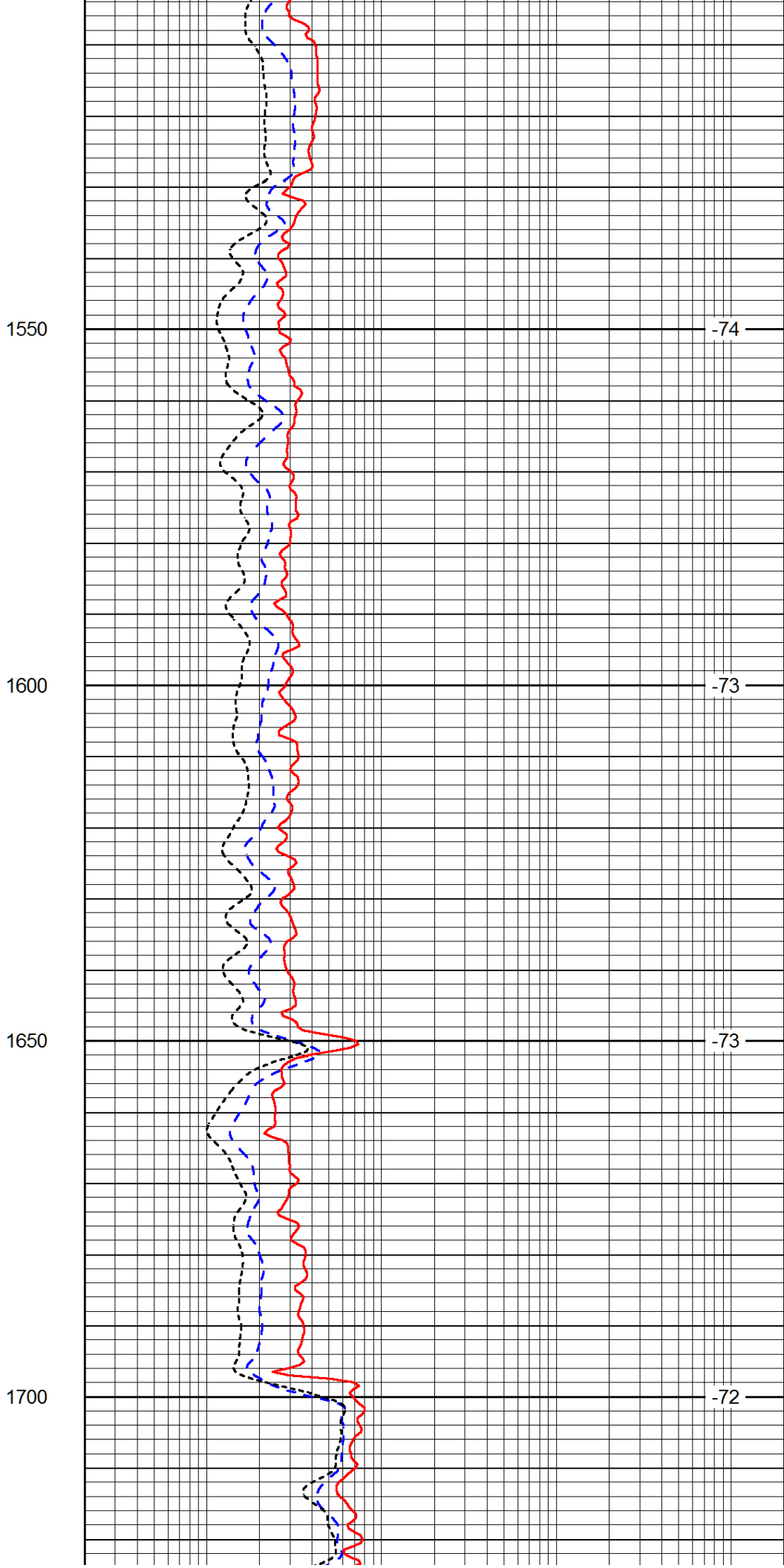
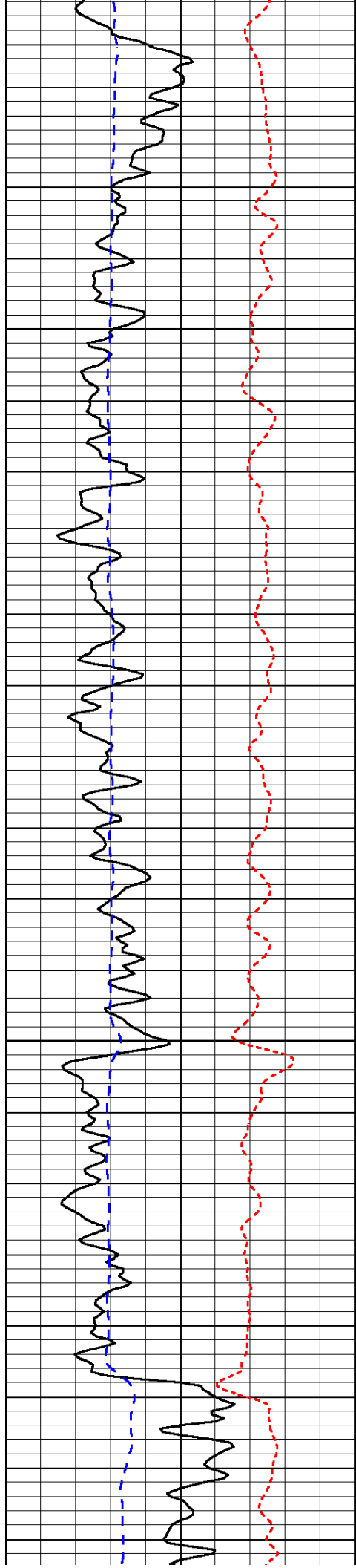
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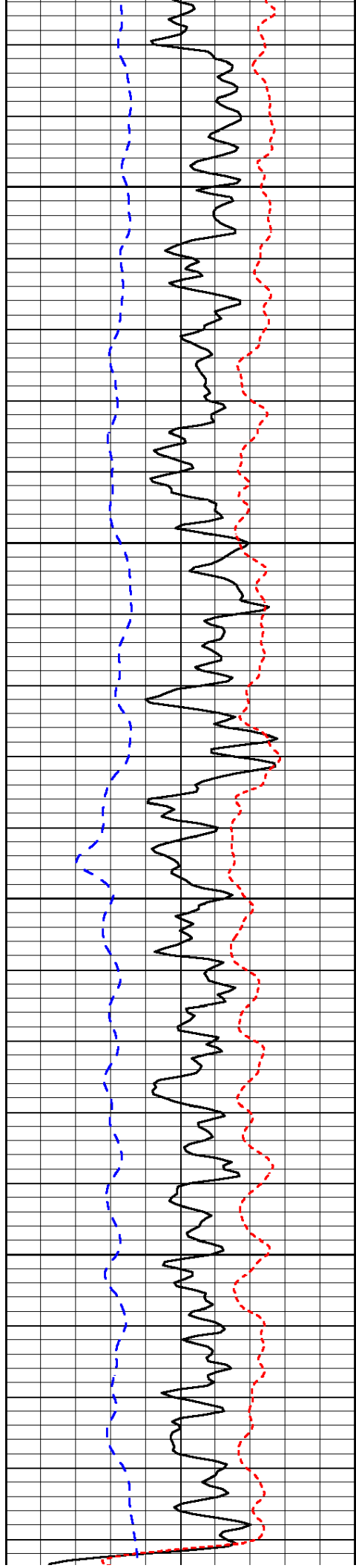
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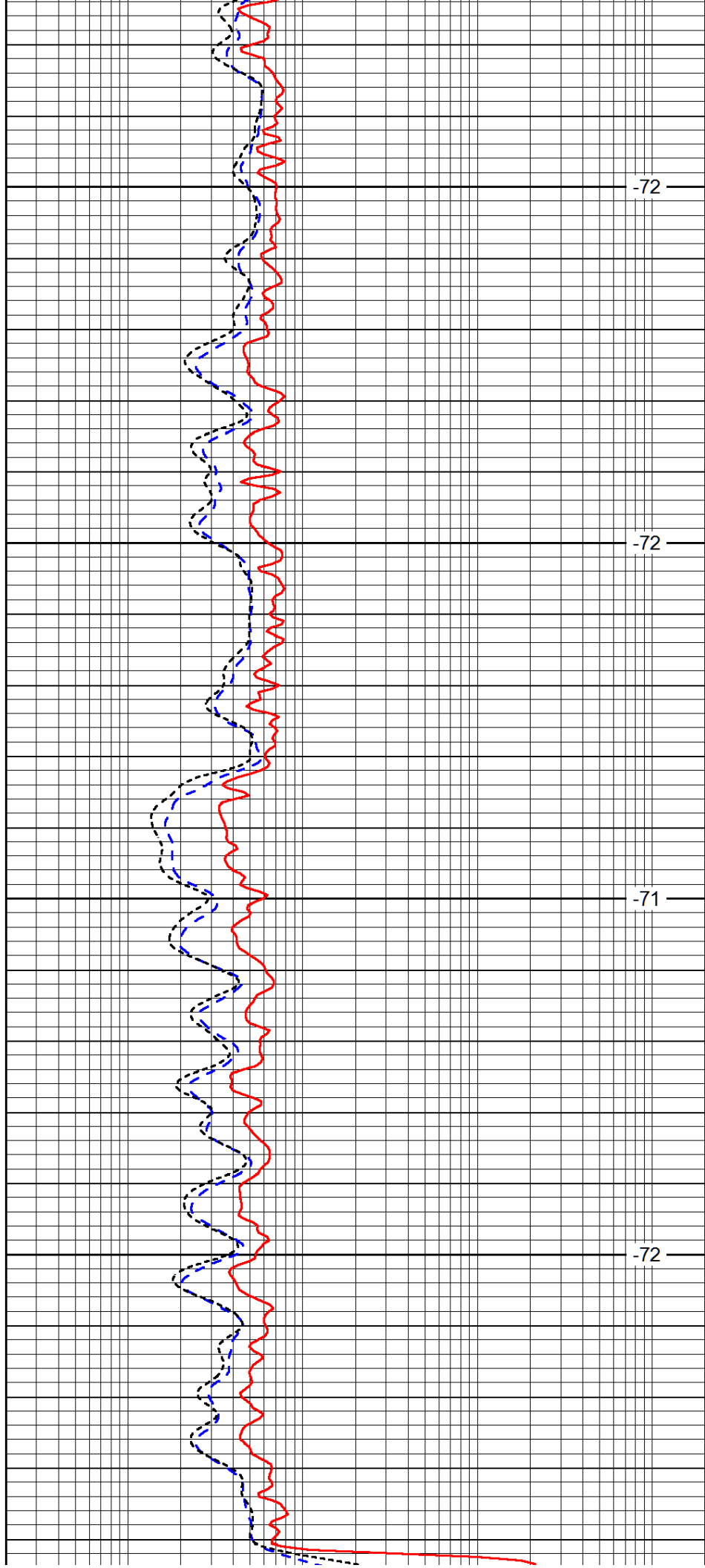


1750

1800

1850

1900

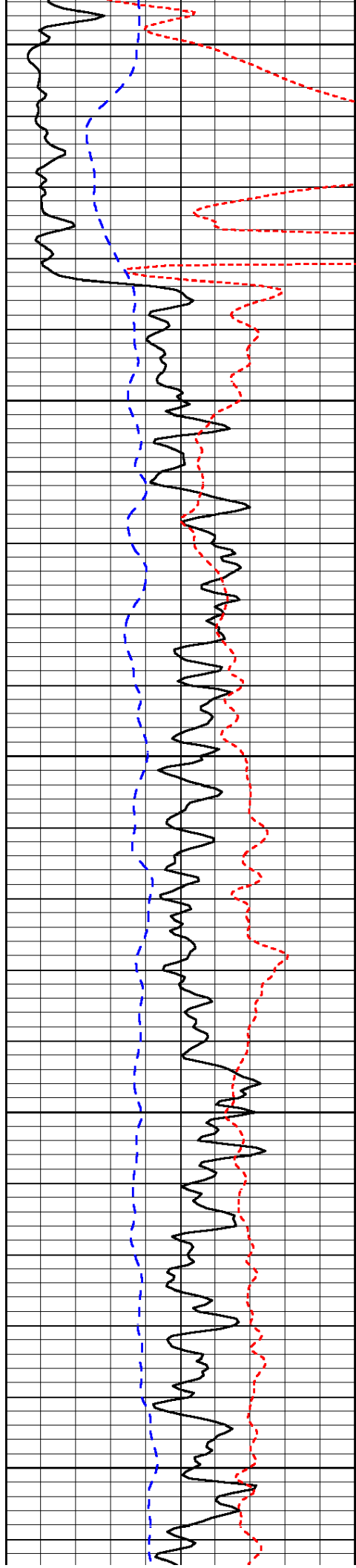


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-72

-71

-72



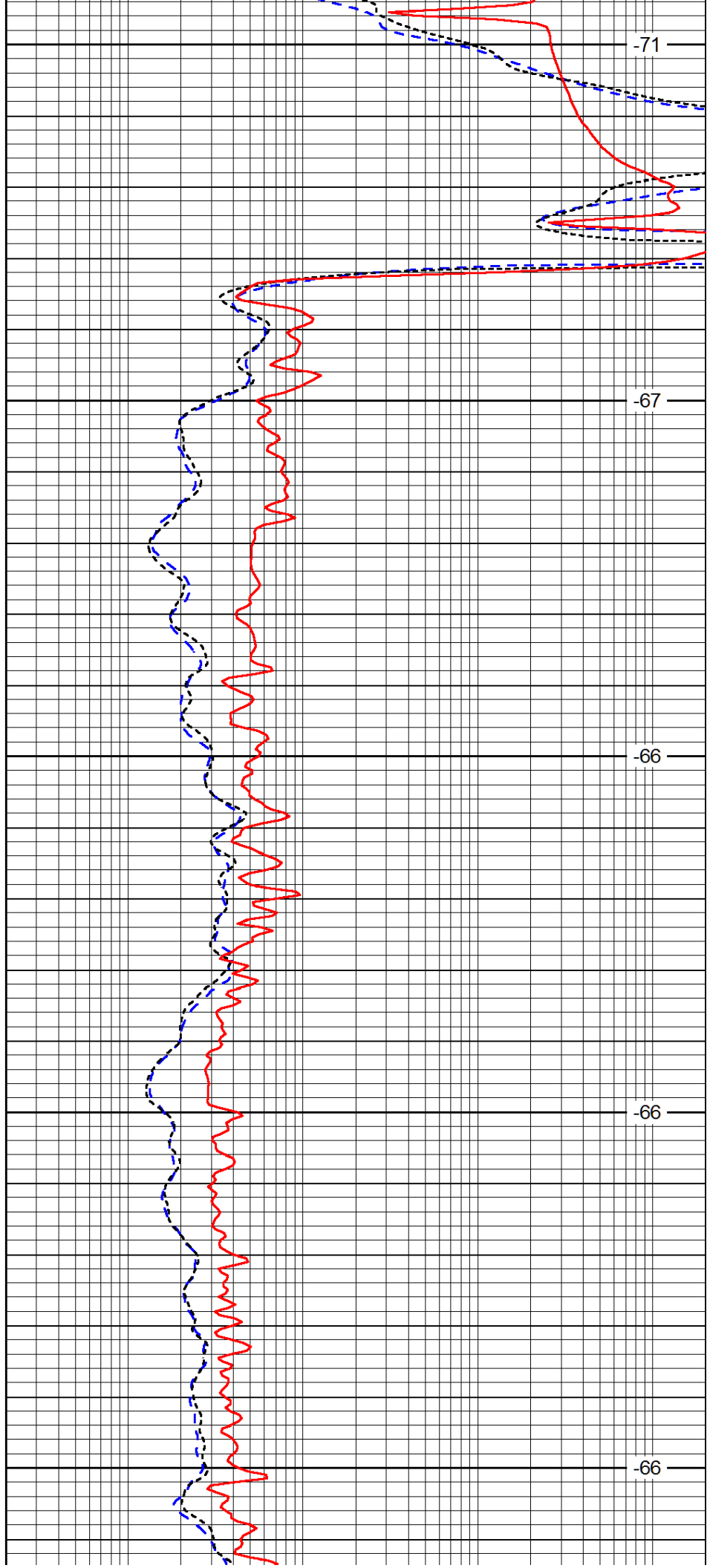
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2000

2050

2100

2150



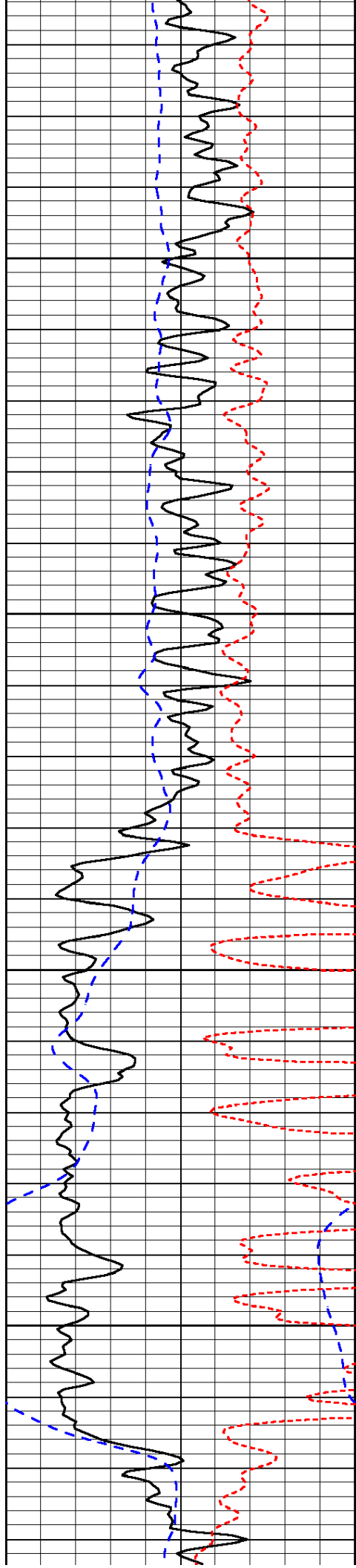
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-66

-66

-66

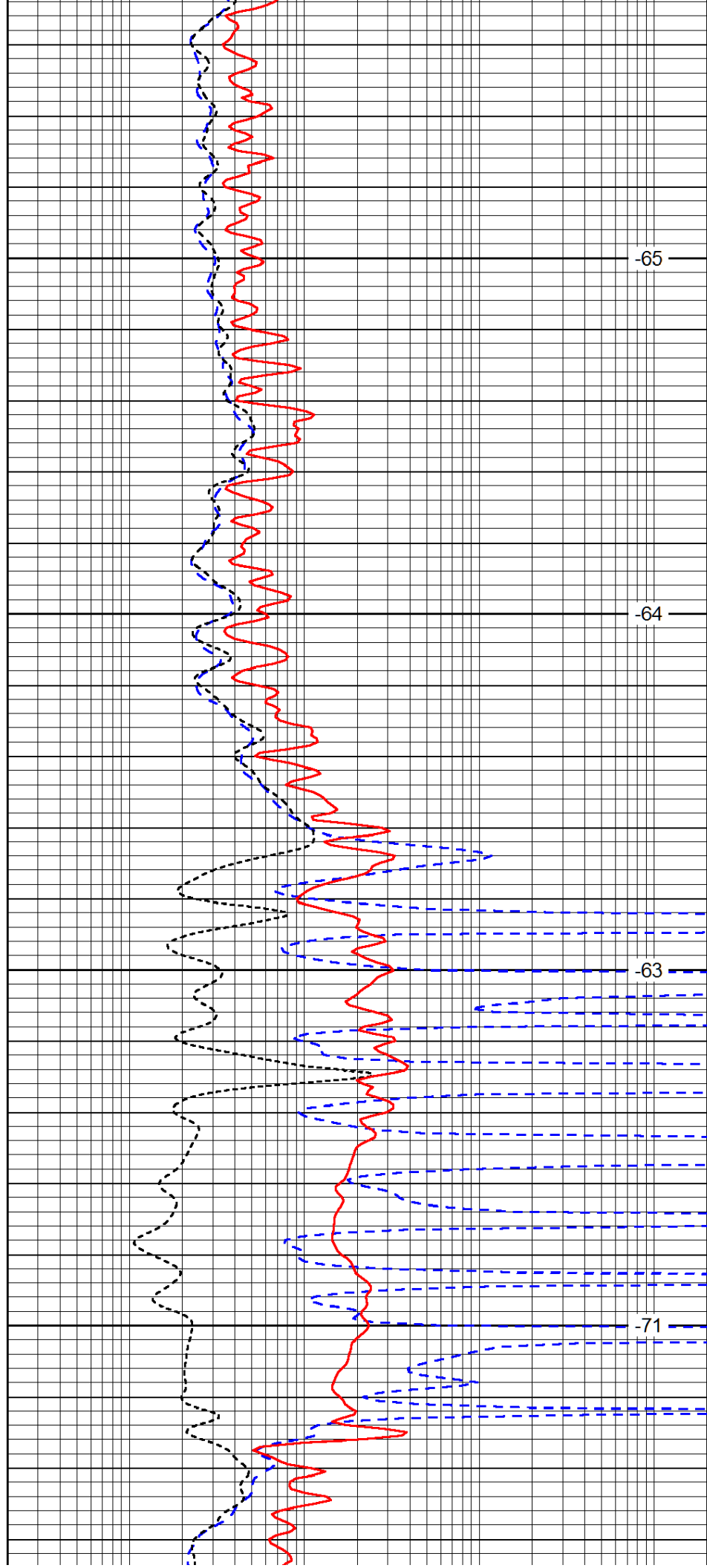


2200

2250

2300

2350

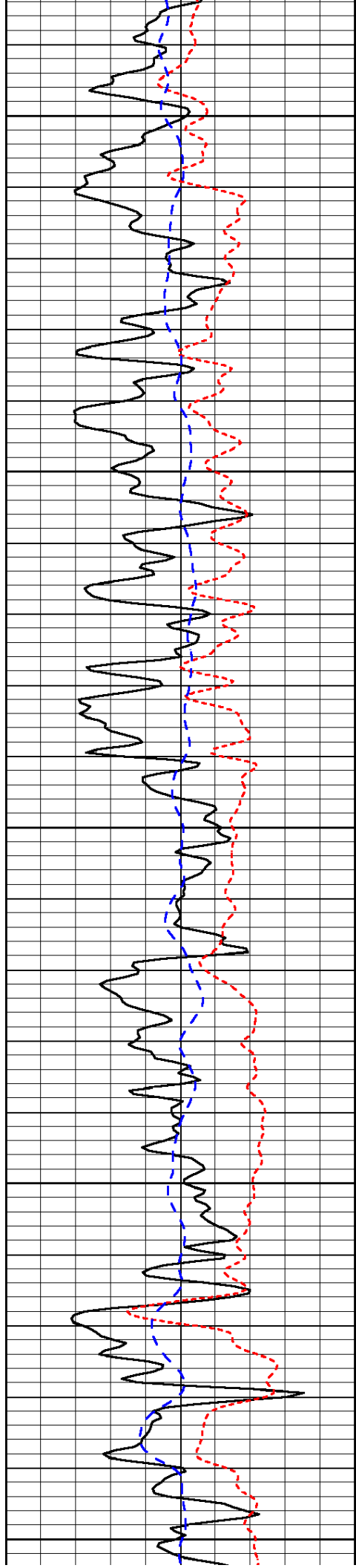


-65

-64

-63

-71



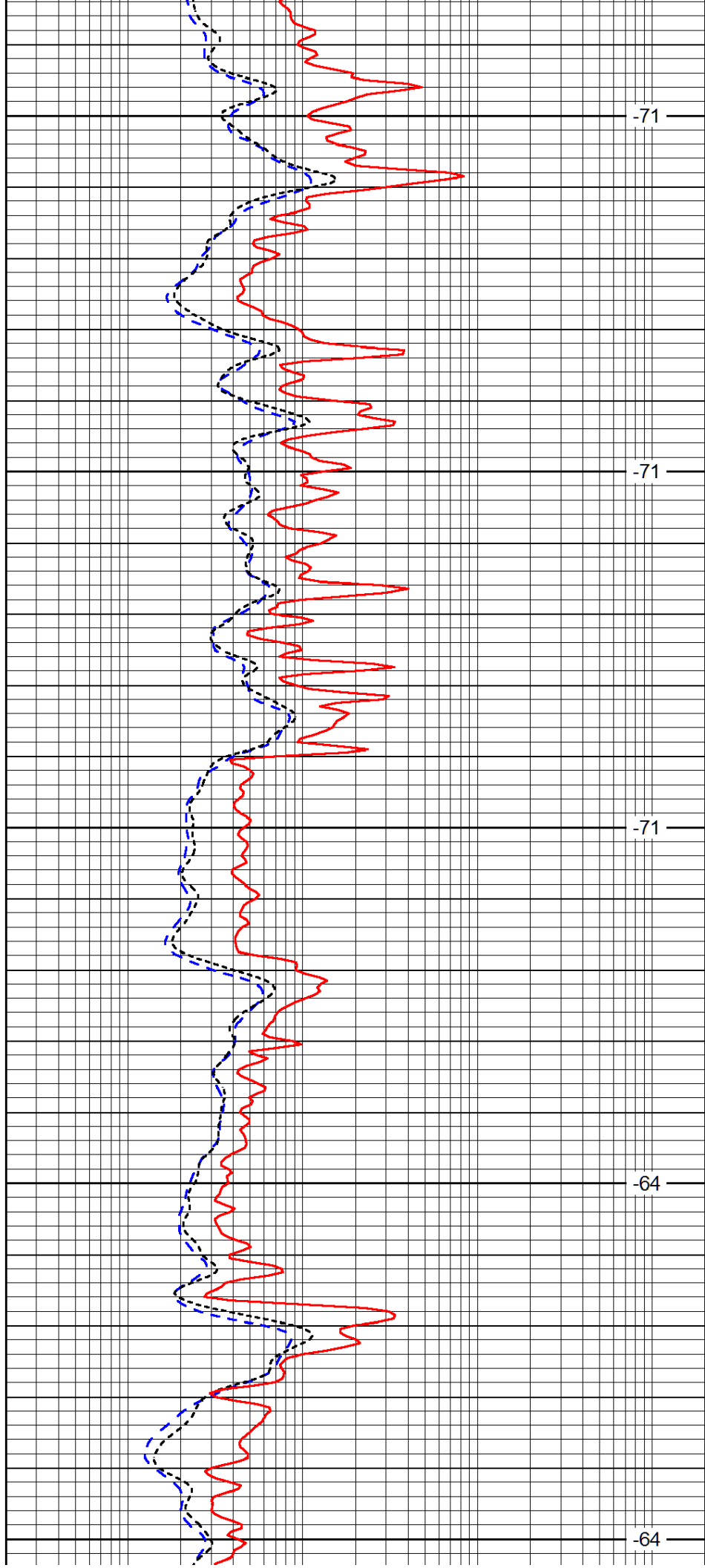
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2450

2500

2550

2600



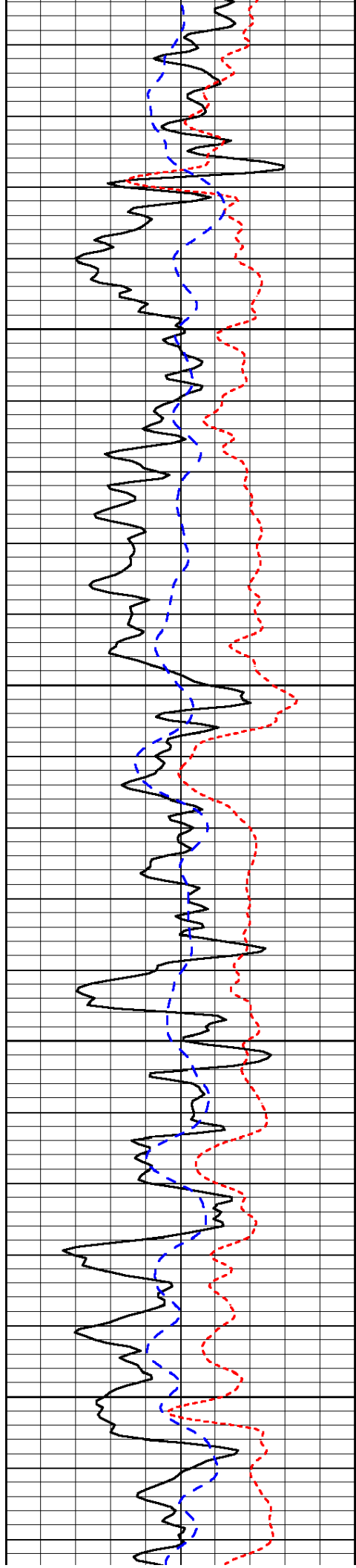
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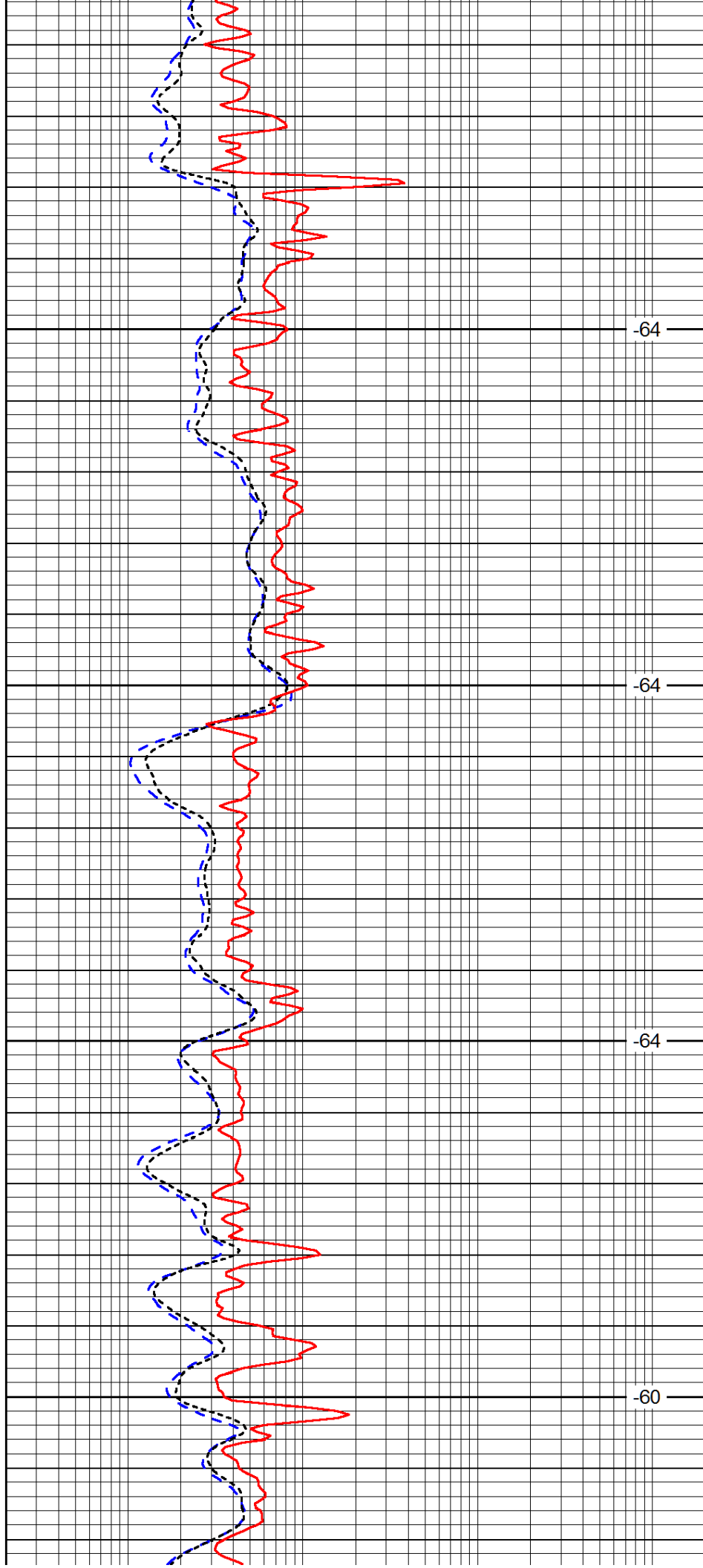


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2700

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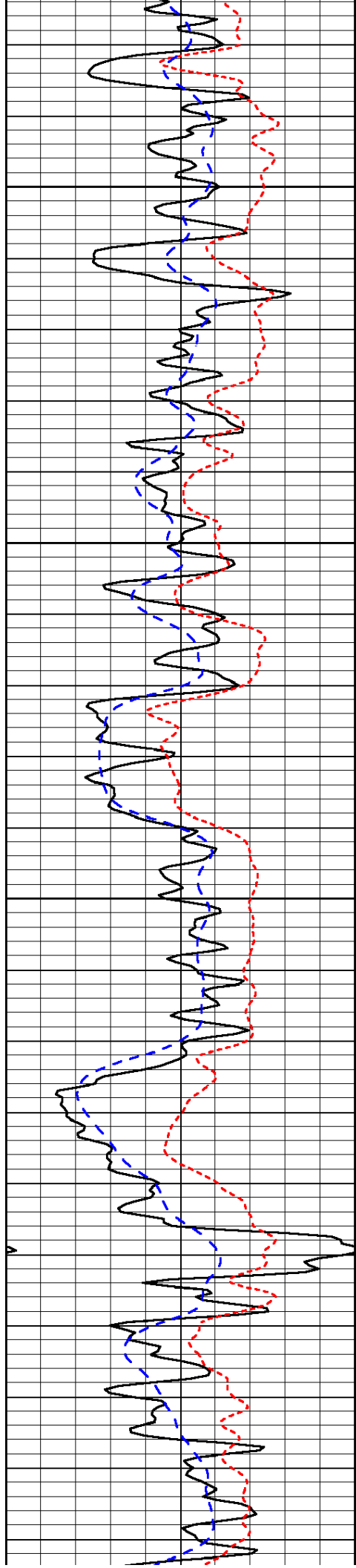


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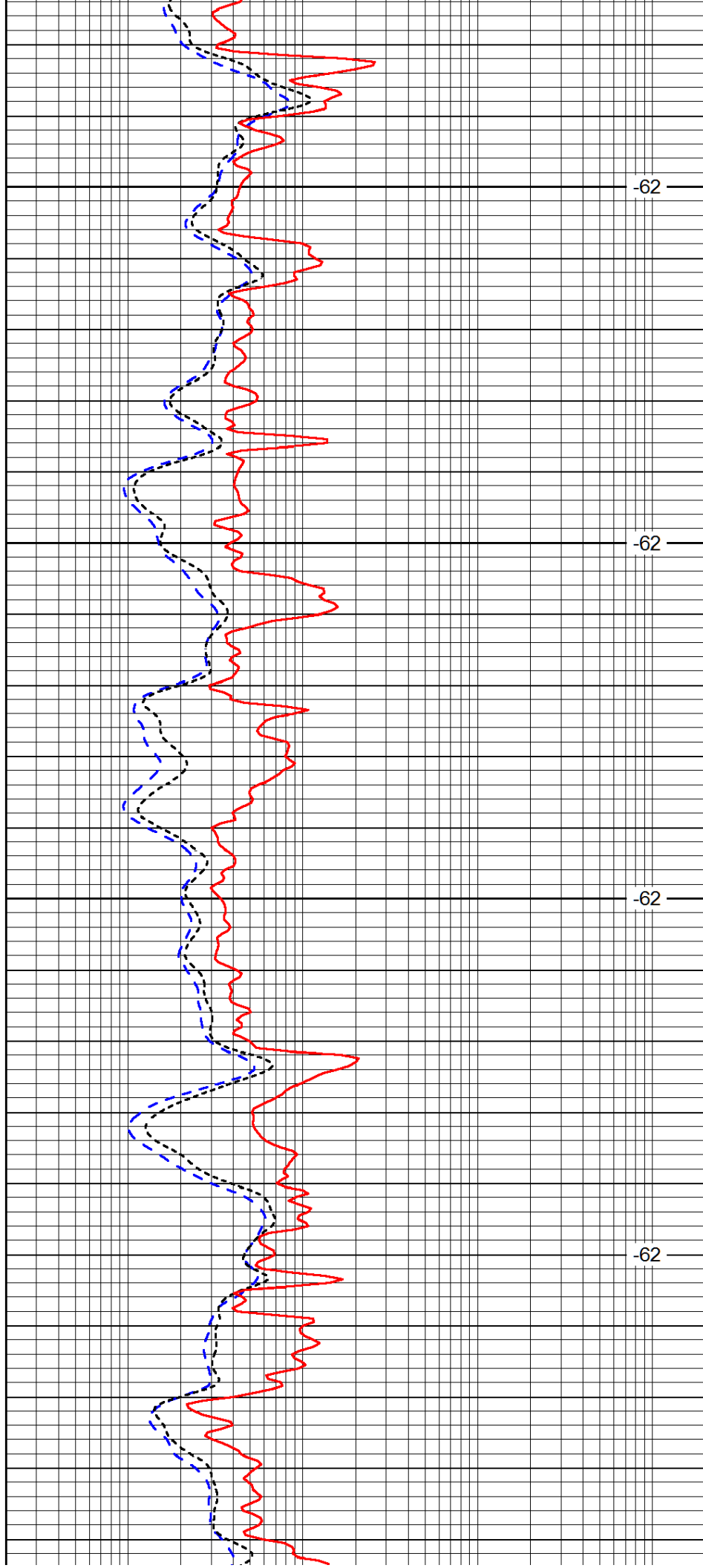


2850

2900

2950

3000

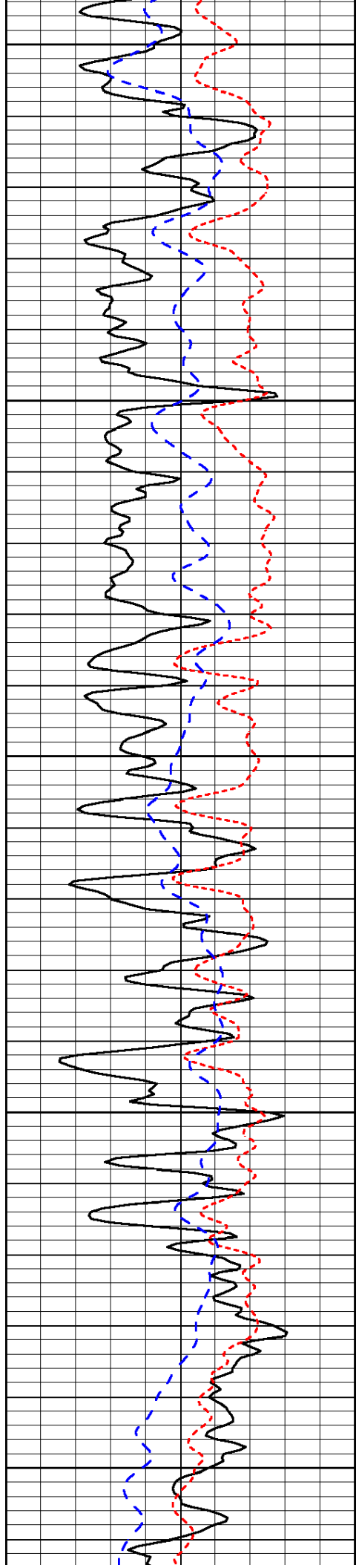


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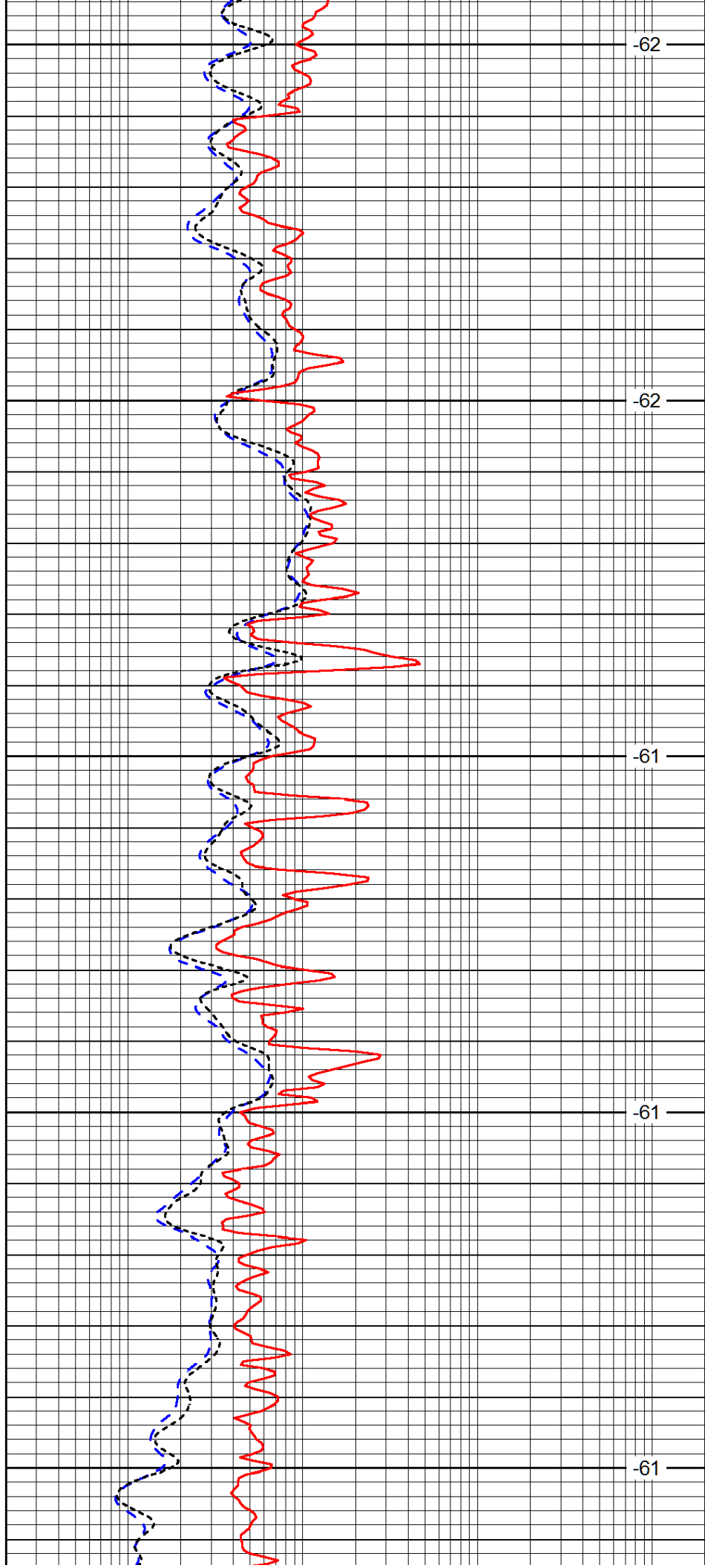
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3100

3150

3200

3250



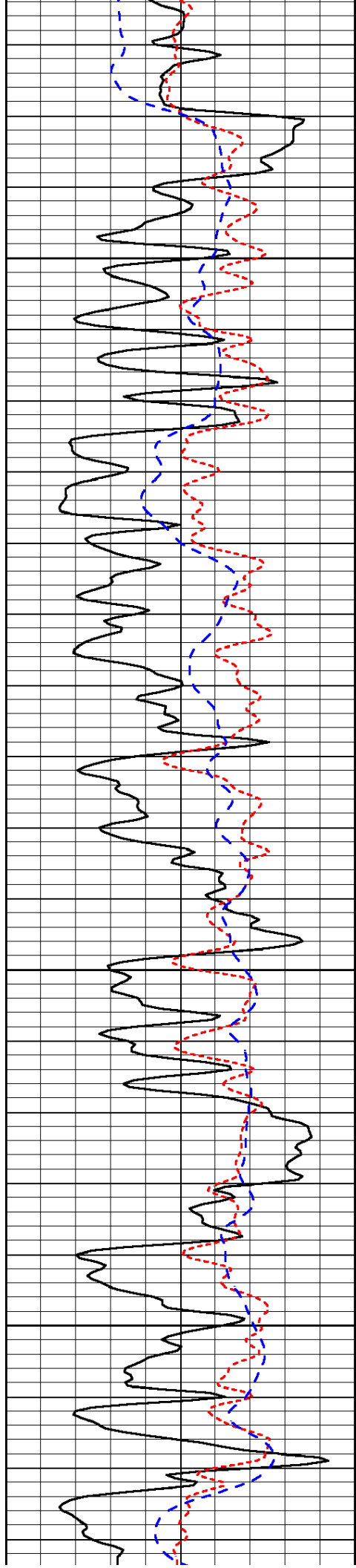
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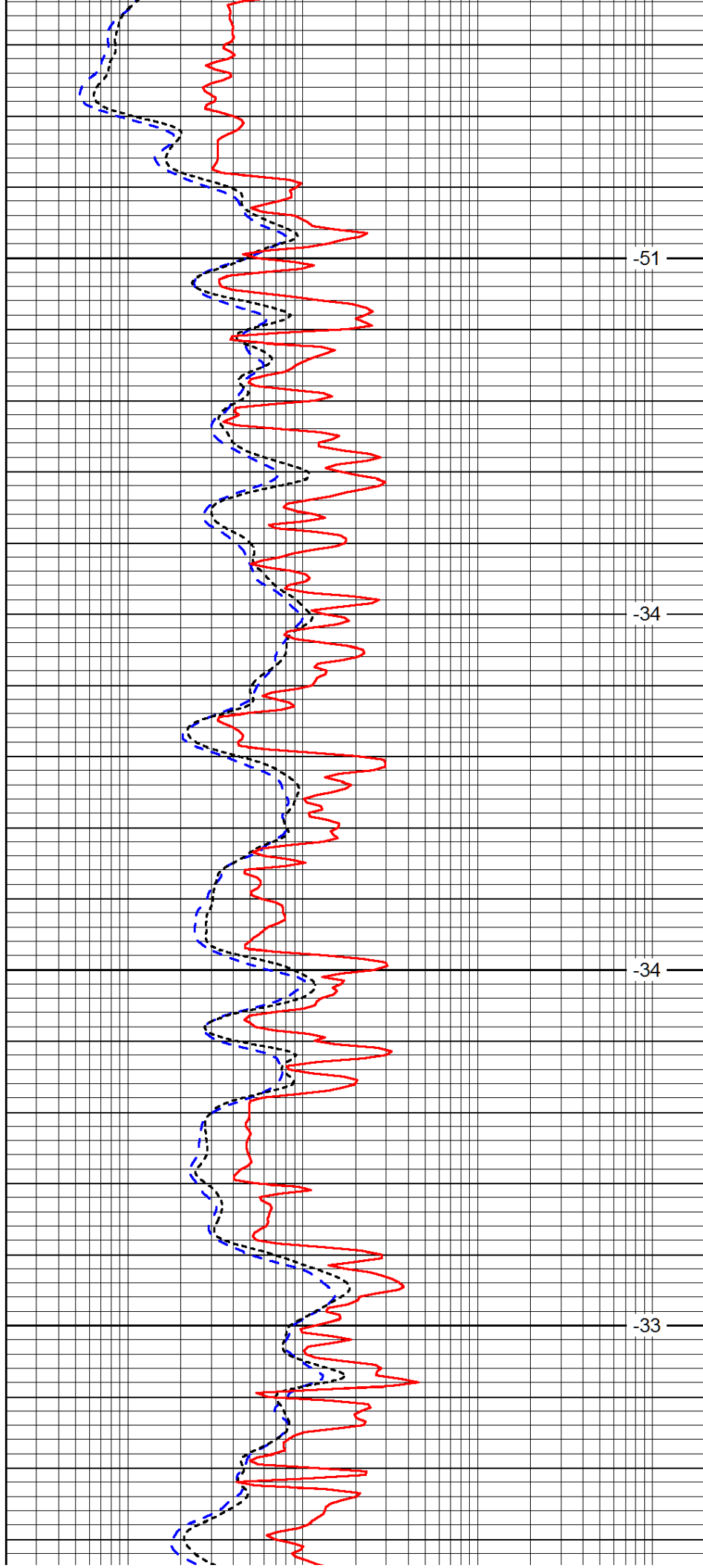


3300

3350

3400

3450

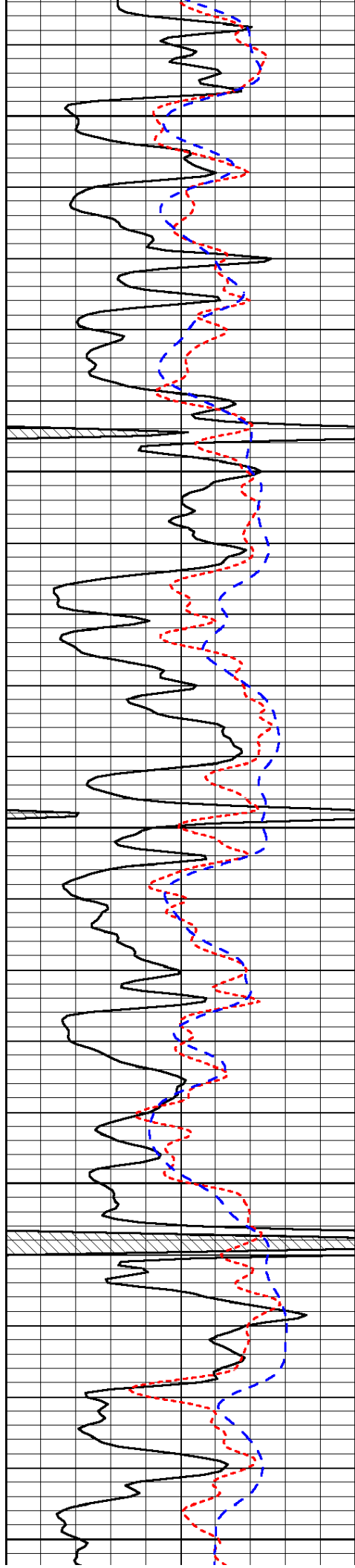


-51

-34

-34

-33



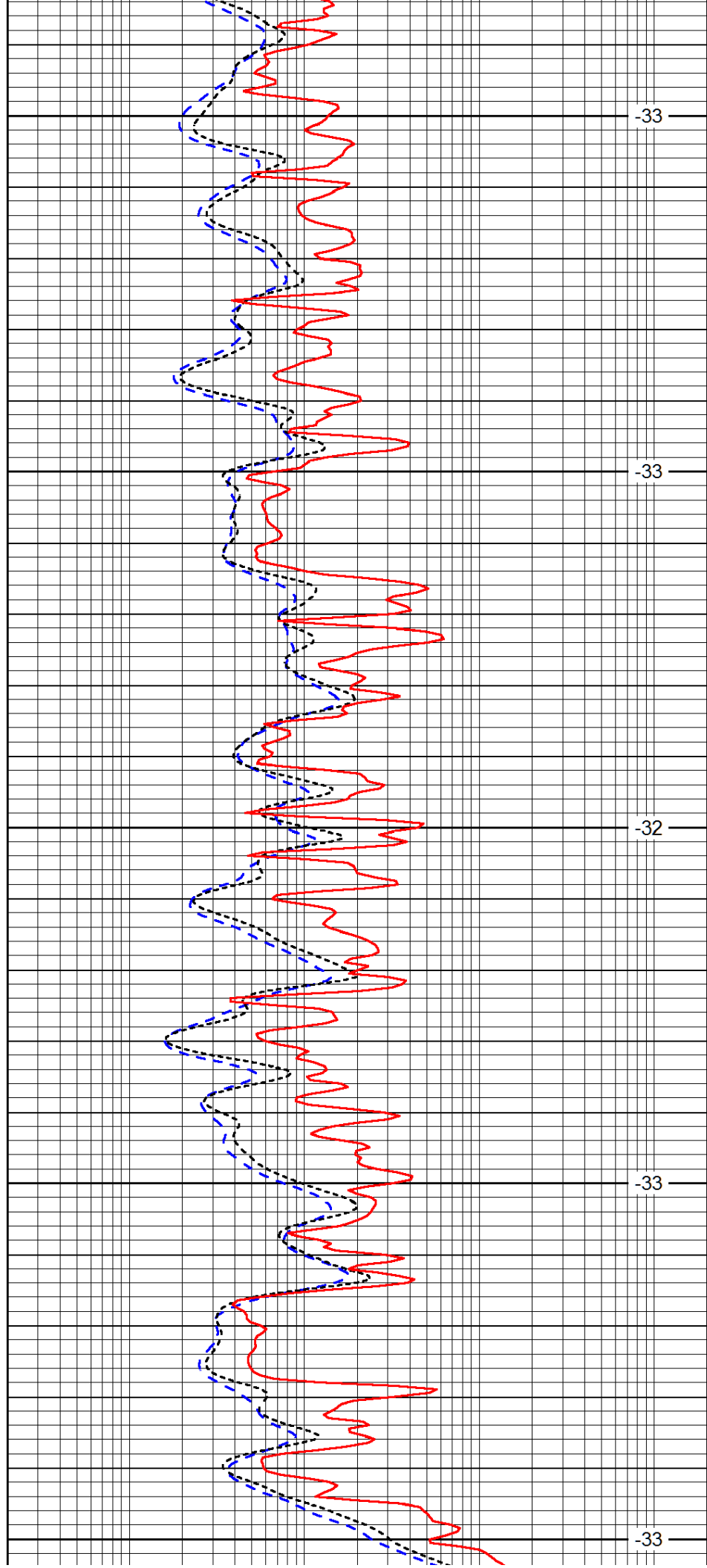
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3600

3650

3700



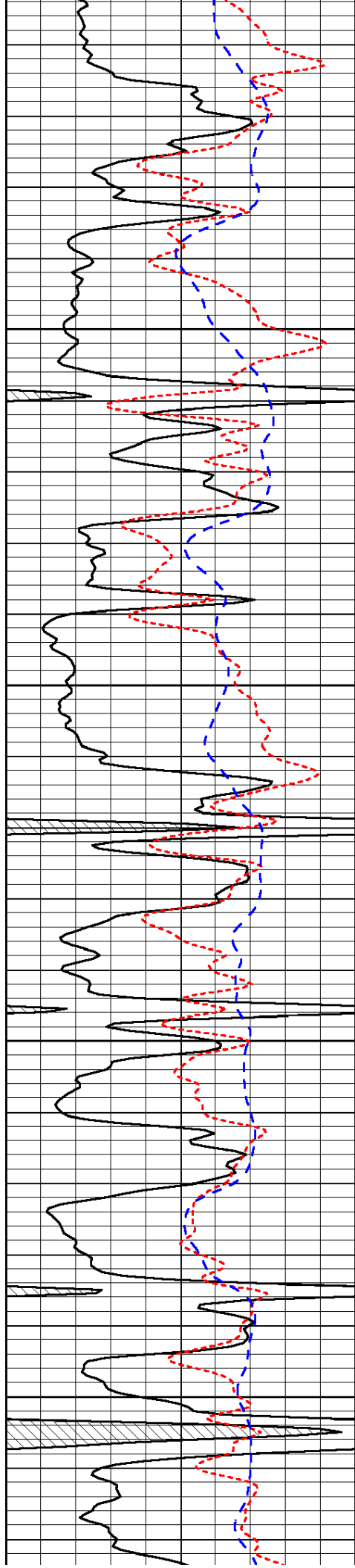
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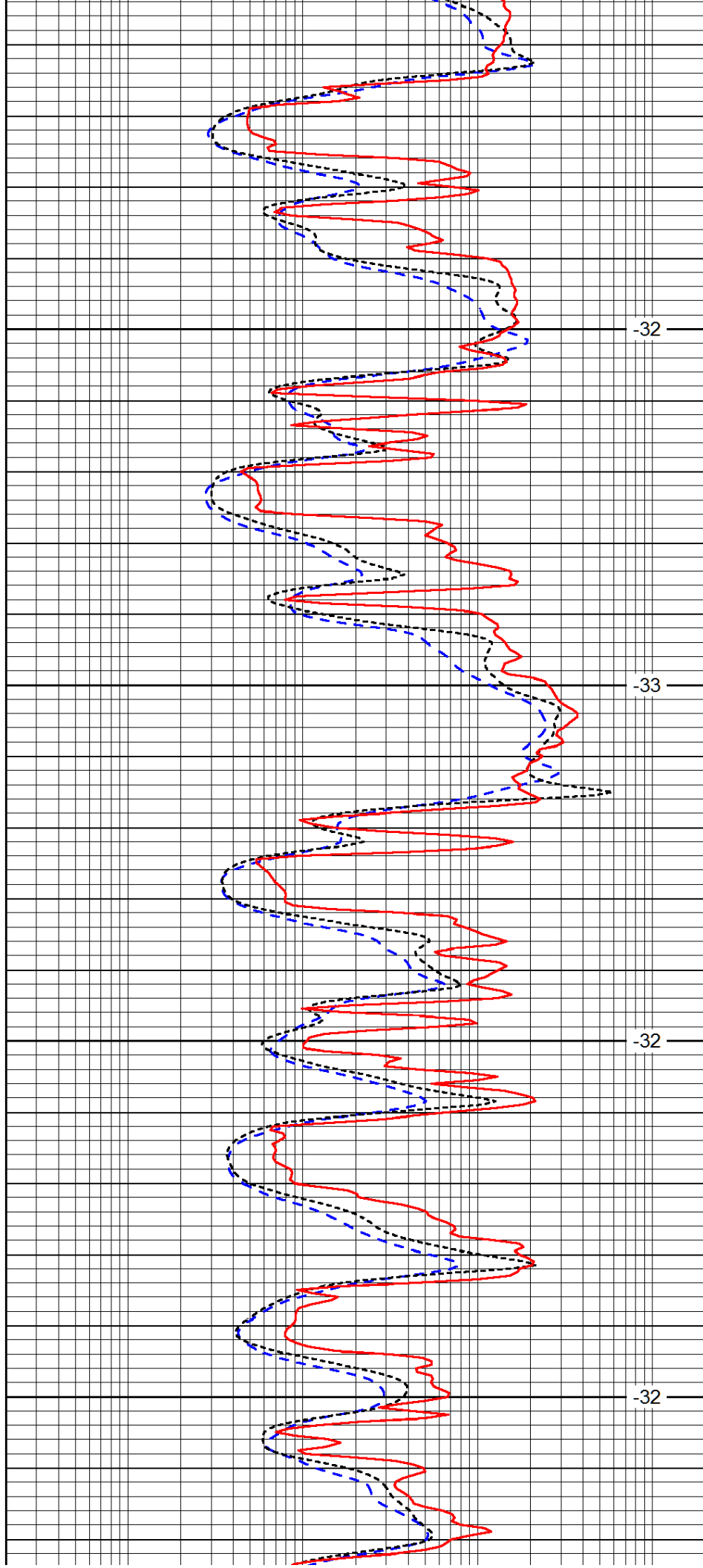


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3800

3850

3900

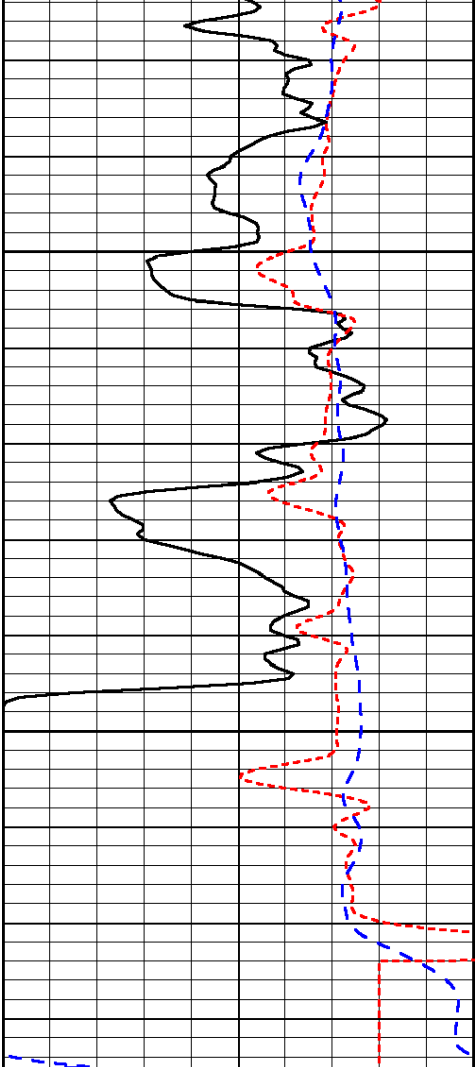


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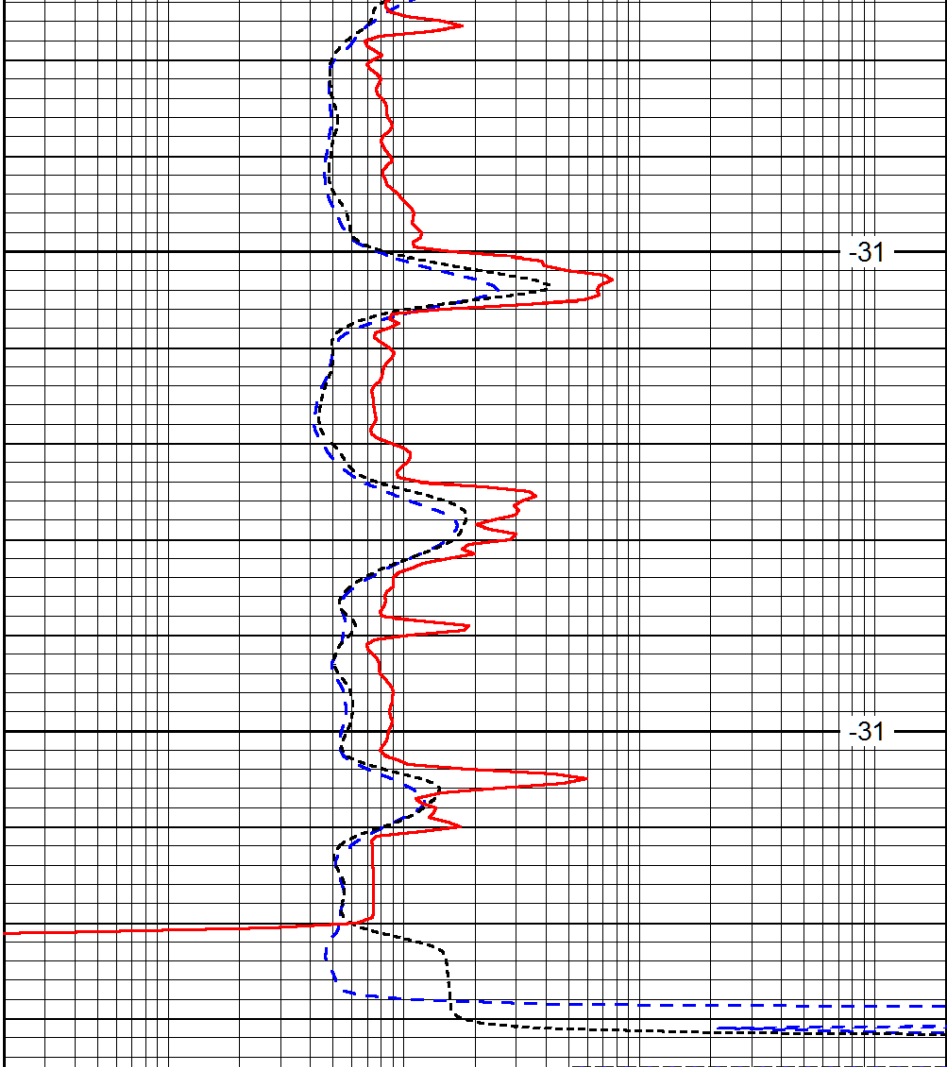
-32



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3950

4000



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