



Dual Induction Log

Pioneer Energy Services

API No.

15-153-21,107-00-00

Company Murfin Drilling Company, Inc.

Well Cheryl #1-33

Field Wildcat

County Rawlins

State

Kansas

Location

990' FSL & 1,650' FEL

Sec: 33

Twp: 1S

Rge: 36W

Elevation

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation 3269
11 Ft. Above Perm. Datum

Other Services
CNL/CDL
MEL/BHCS
K.B. 3280
D.F.
G.L. 3269

Date

2/18/2015

Run Number

One

Depth Driller

4950

Depth Logger

4952

Bottom Logged Interval

4951

Top Log Interval

00

Casing Driller

8.625 @ 239

Casing Logger

238

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

600

Density / Viscosity

9.1 67

pH / Fluid Loss

11.5 5.6

Source of Sample

Flowline

Rm @ Meas. Temp

.75 @ 66

Rmf @ Meas. Temp

.56 @ 66

Rmc @ Meas. Temp

1.01 @ 66

Source of Rmf / Rmc

Charts

Rm @ BHT

.39 @ 126

Operating Rig Time

4 1/2 Hours

Max Rec. Temp. F

126

Equipment Number

108

Location

Hays

Recorded By

J. Long

Witnessed By

Saman Sharifaie

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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 Pioneer Energy Services
www.pioneerres.com
785 625 3858

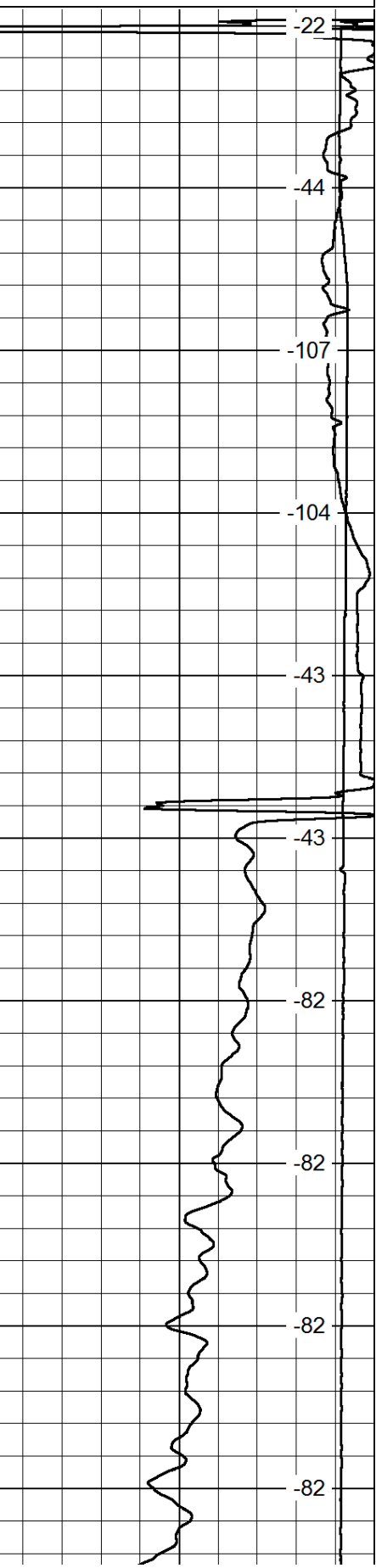
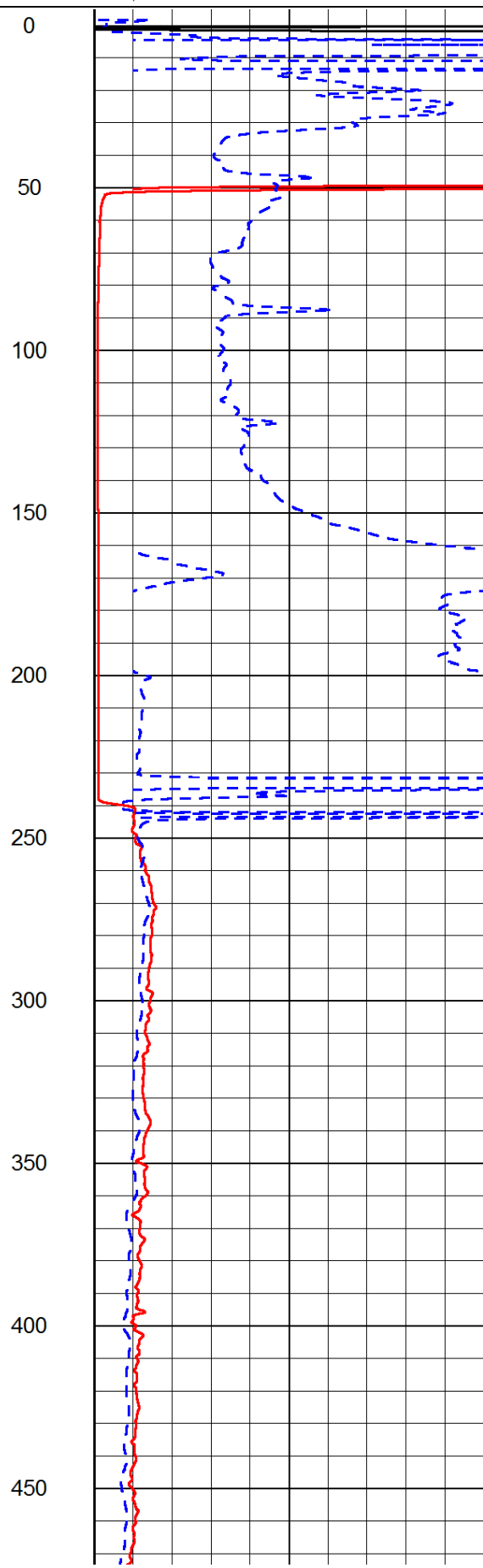
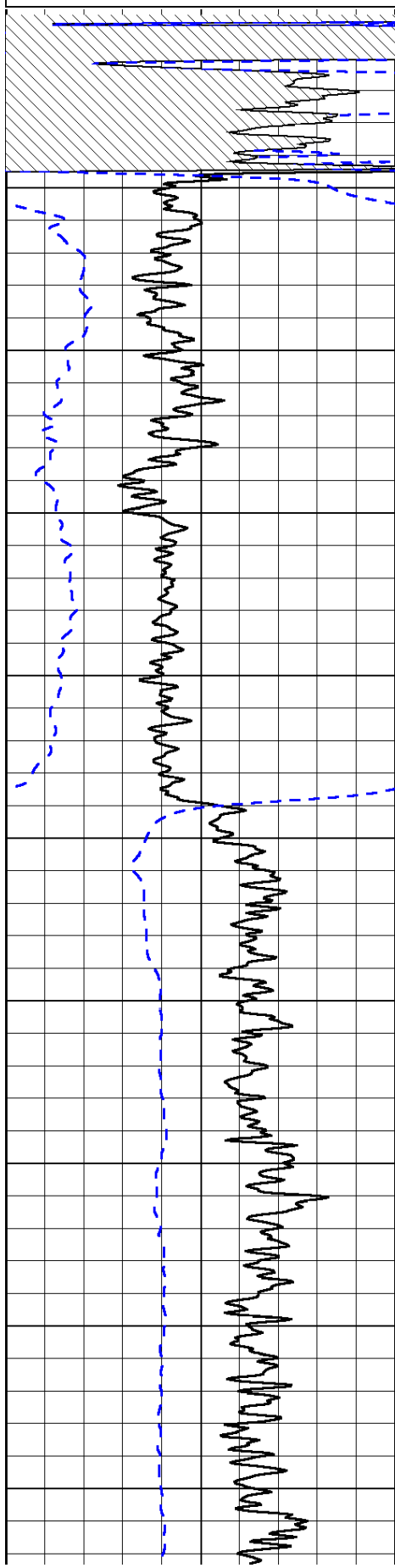
McDonald, 7 1/4 North to W Road, 1 East, 1 North, 1 1/4 North Into

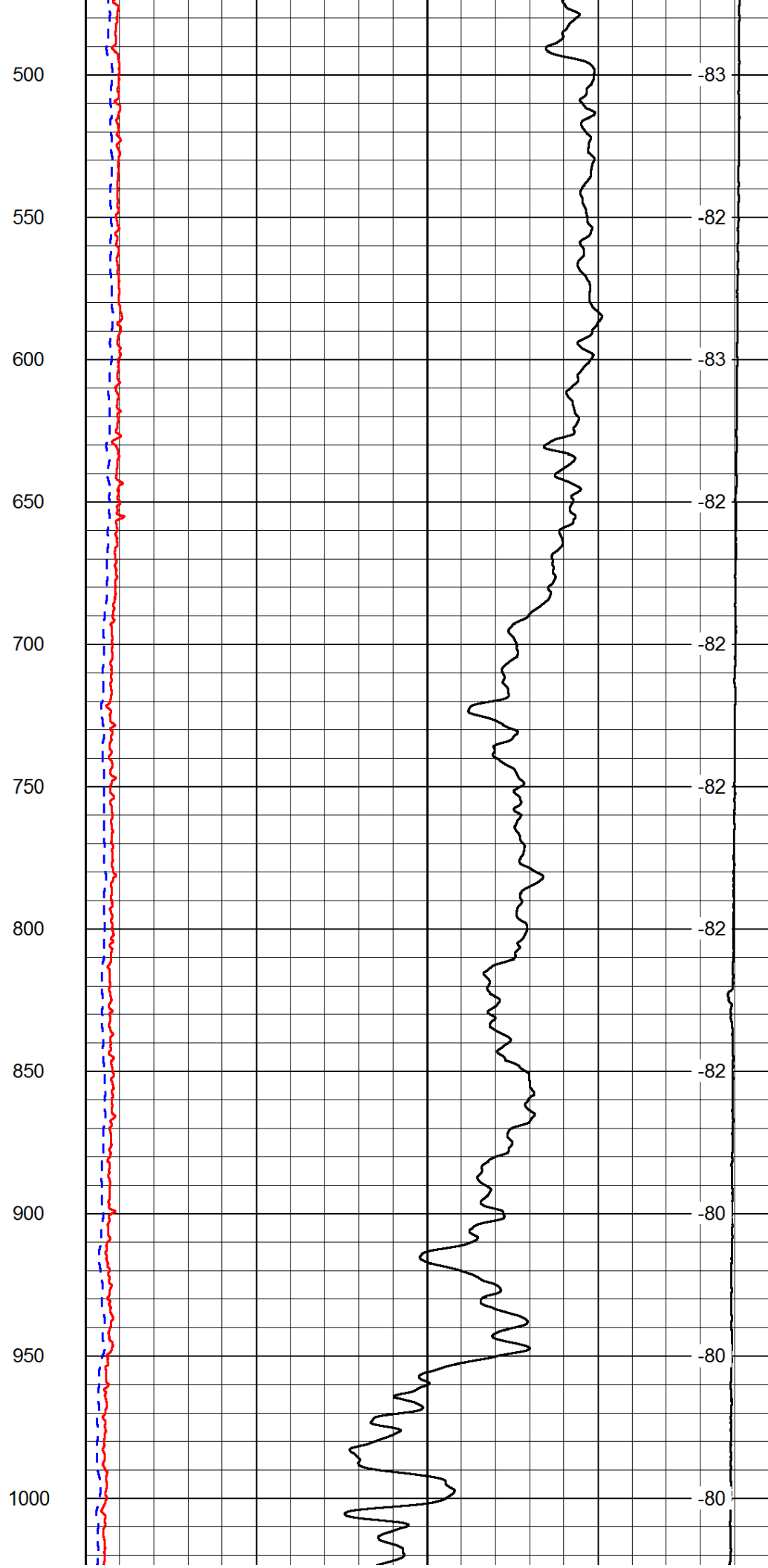
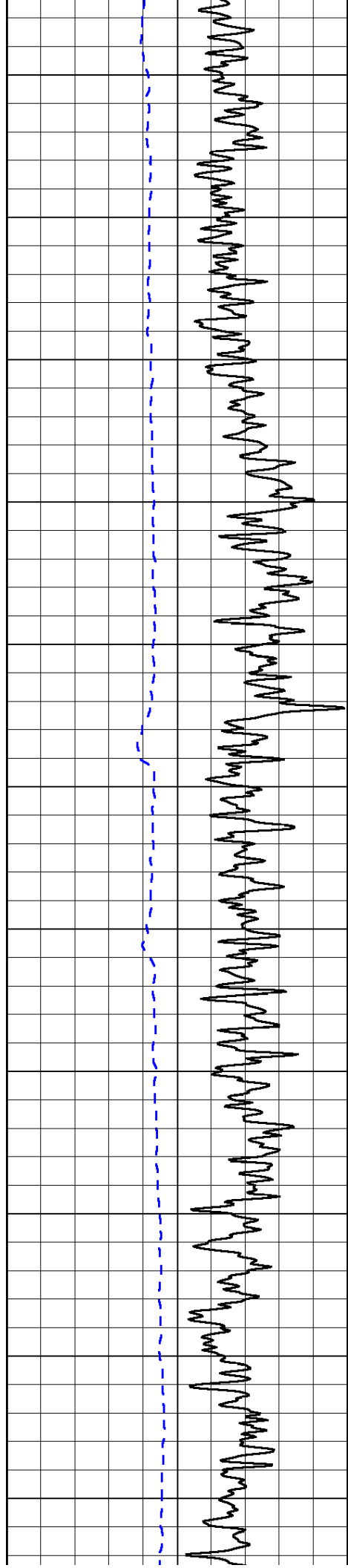
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Presentation Format: dil2in
Dataset Creation: Wed Feb 18 23:31:13 2015
Charted by: Depth in Feet scaled 1:600

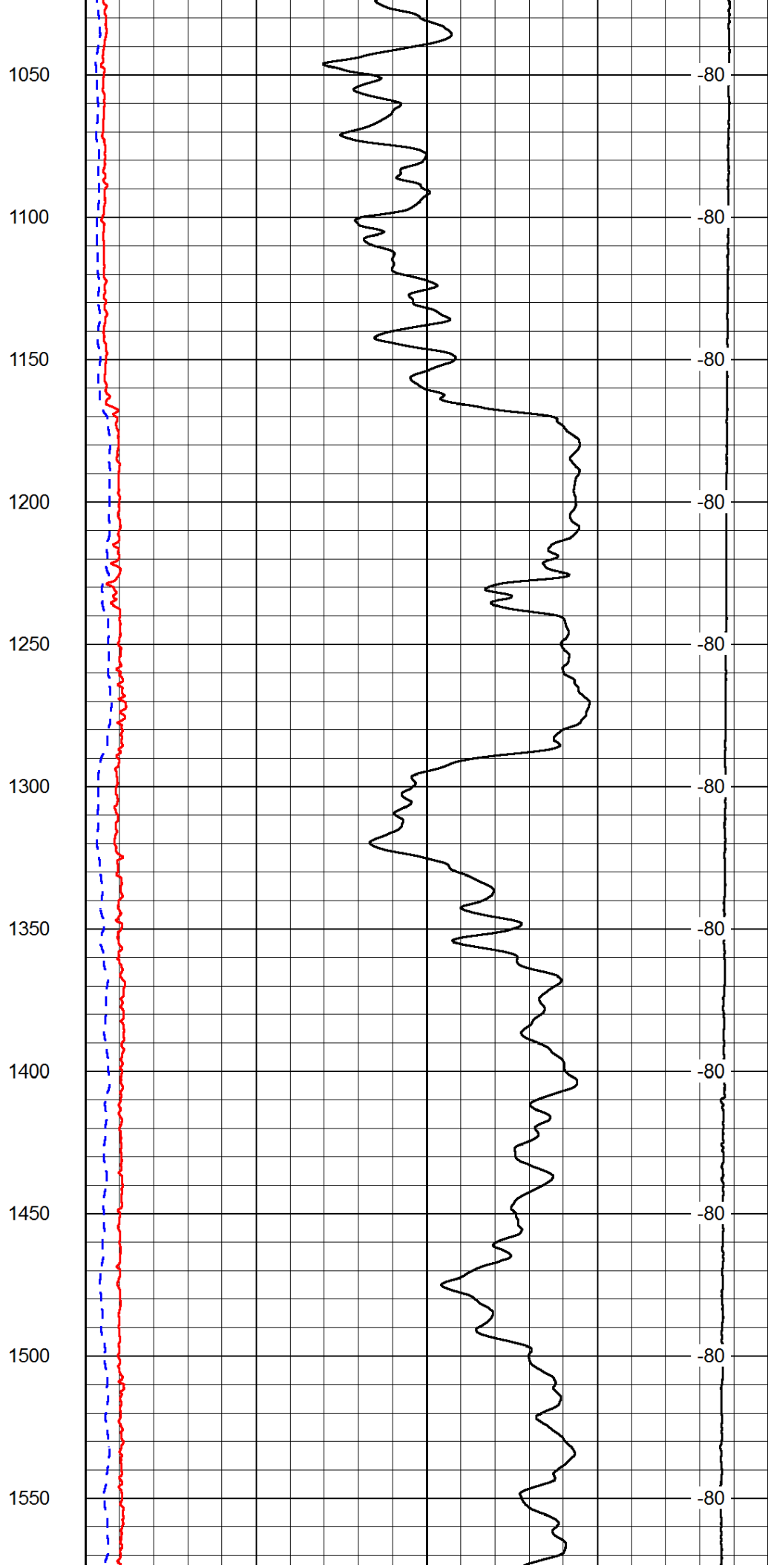
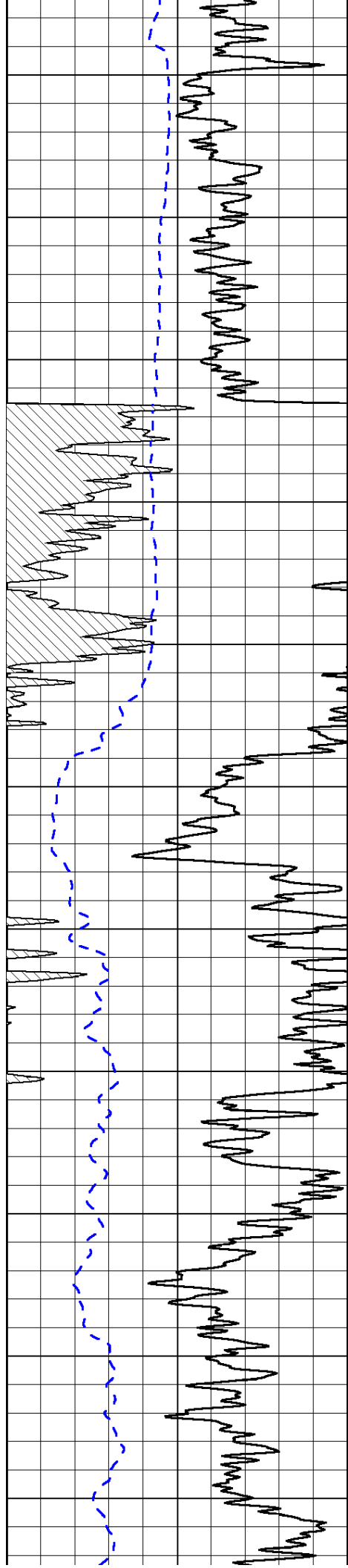
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-200	SP (mV)	0

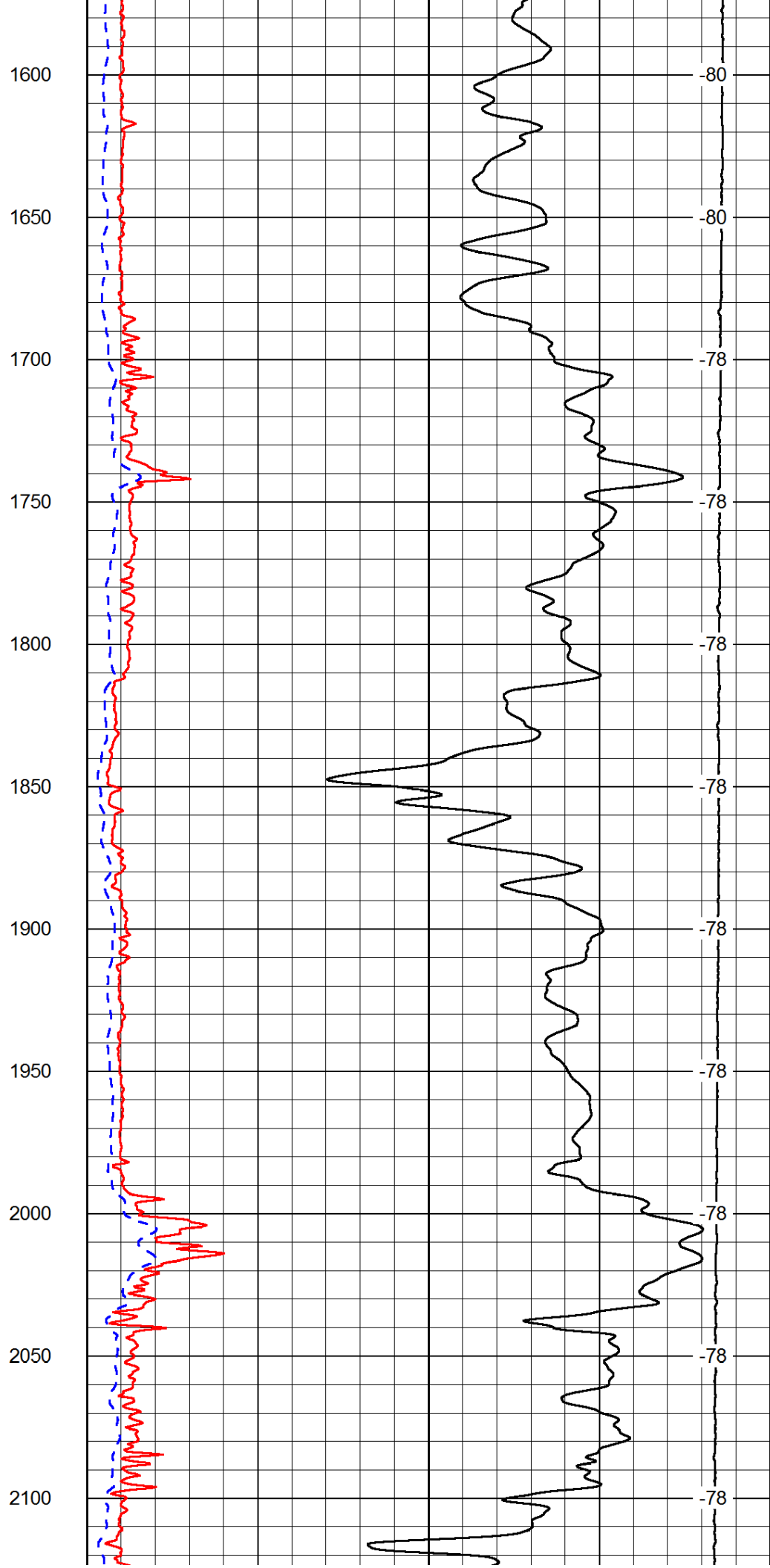
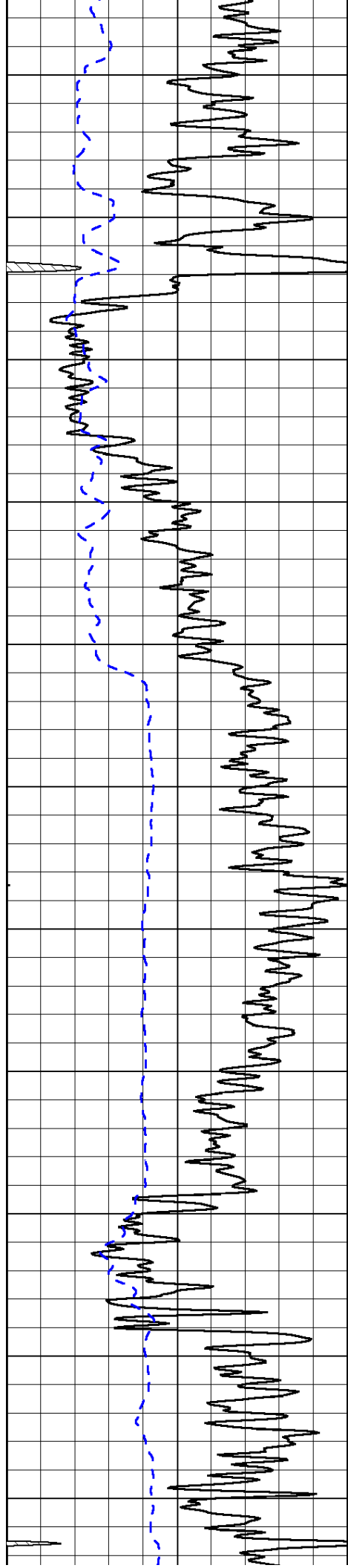
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0	Deep Resistivity	50
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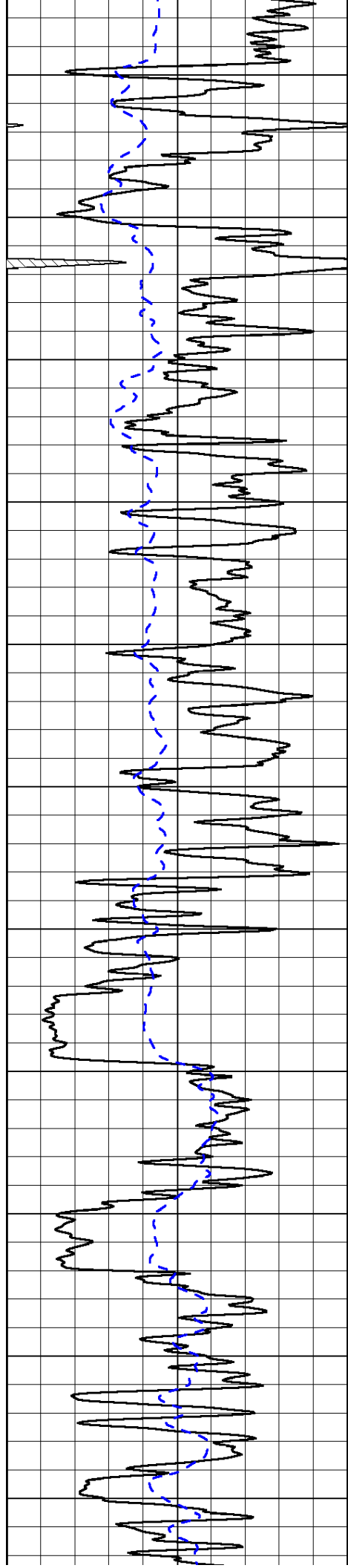
LSPD



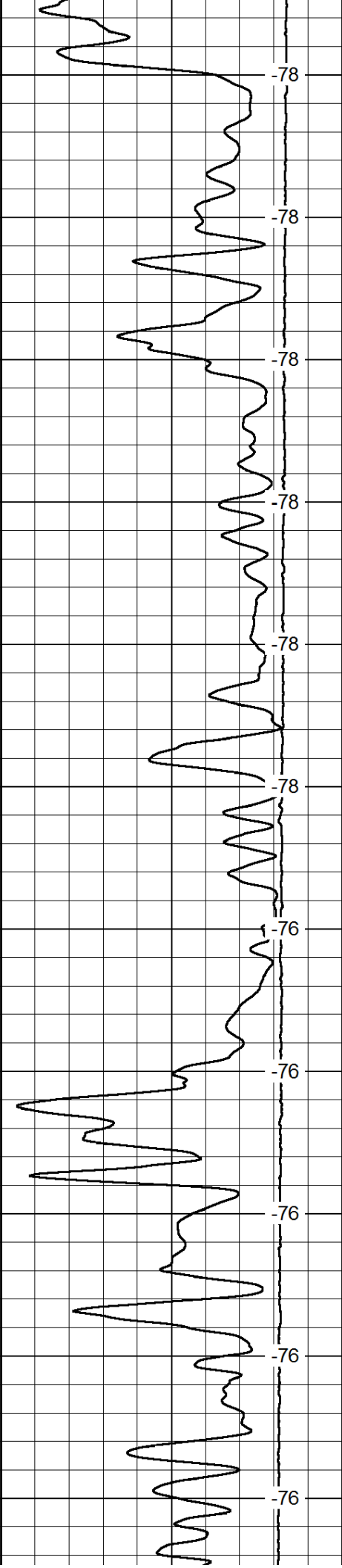
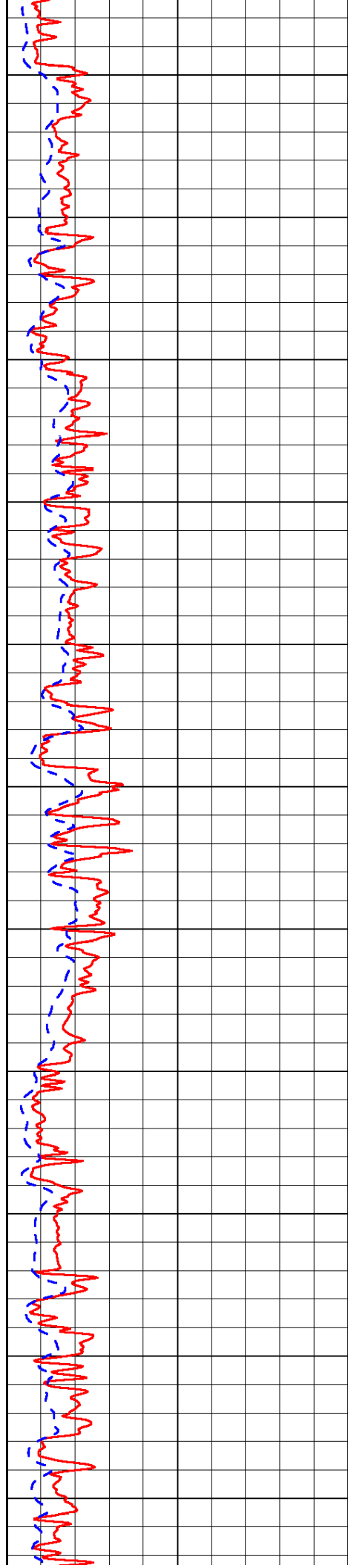




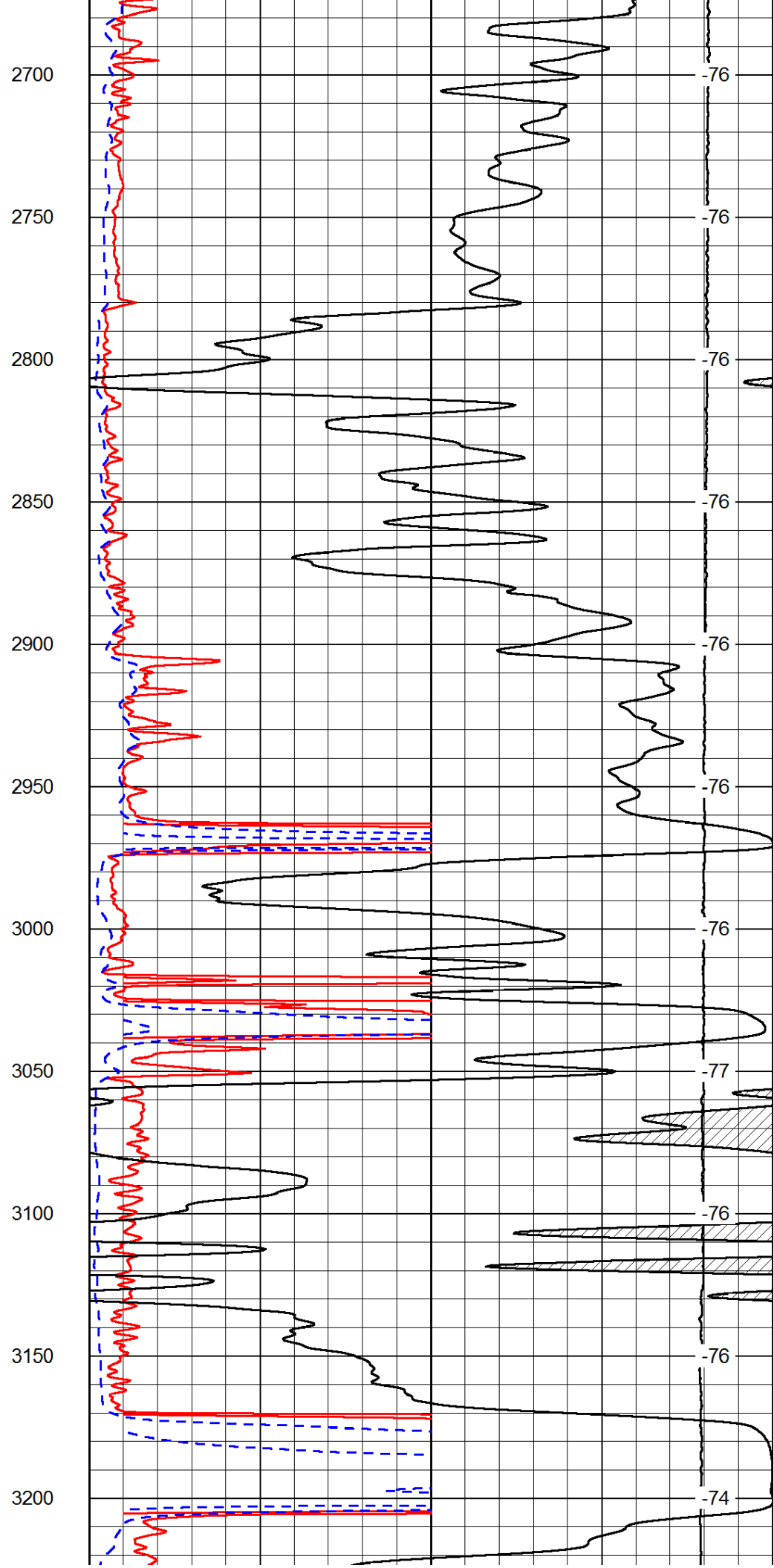
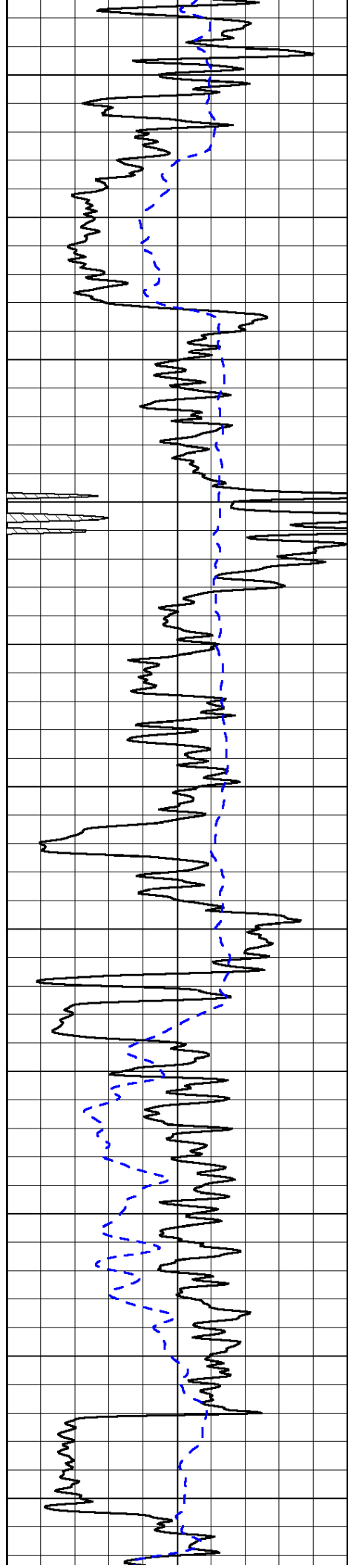


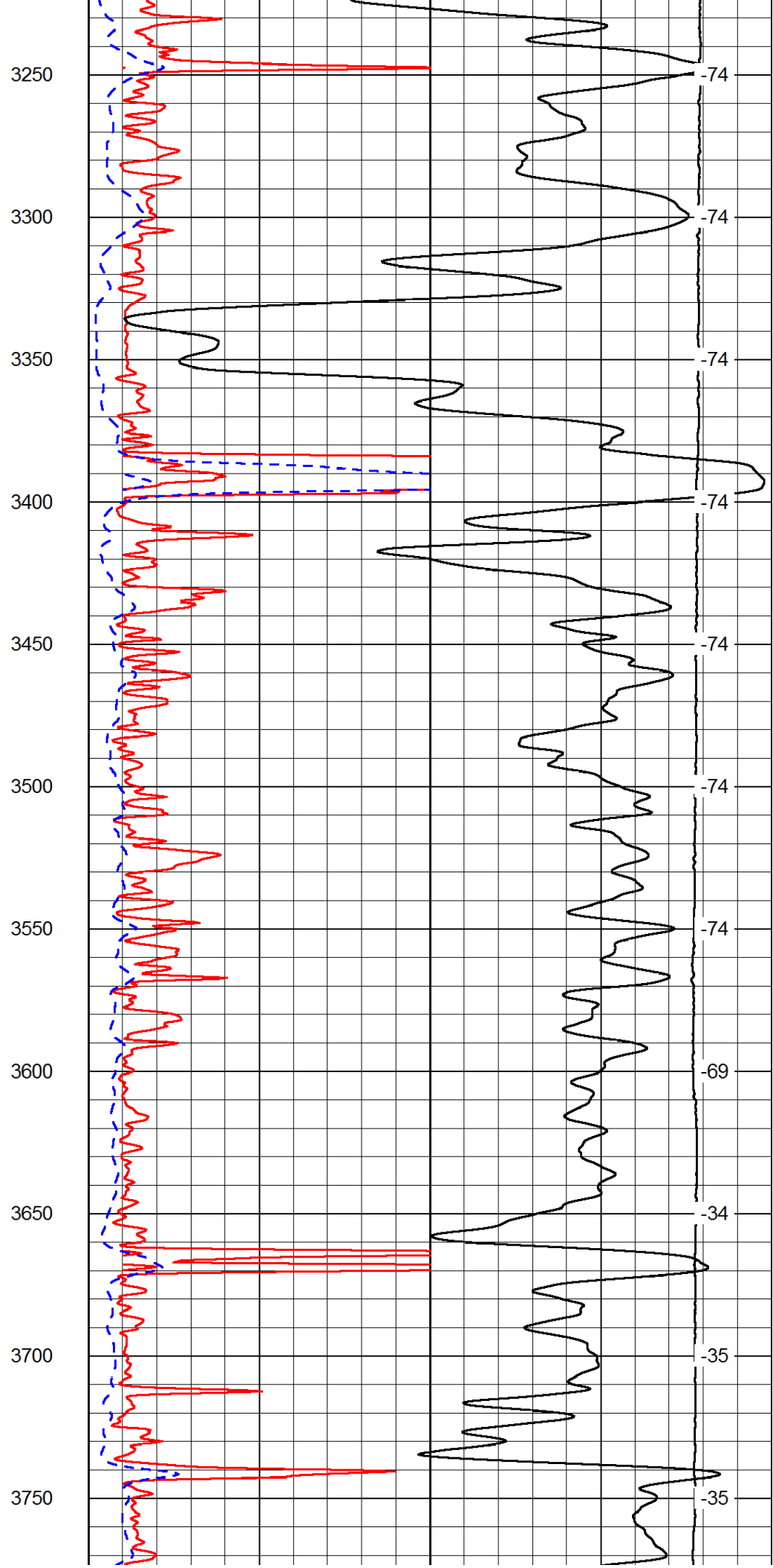
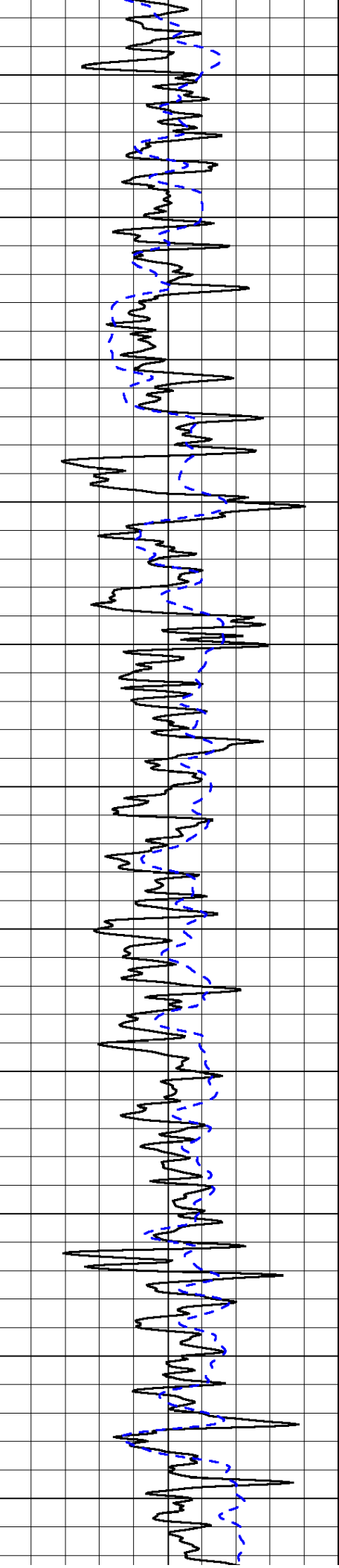


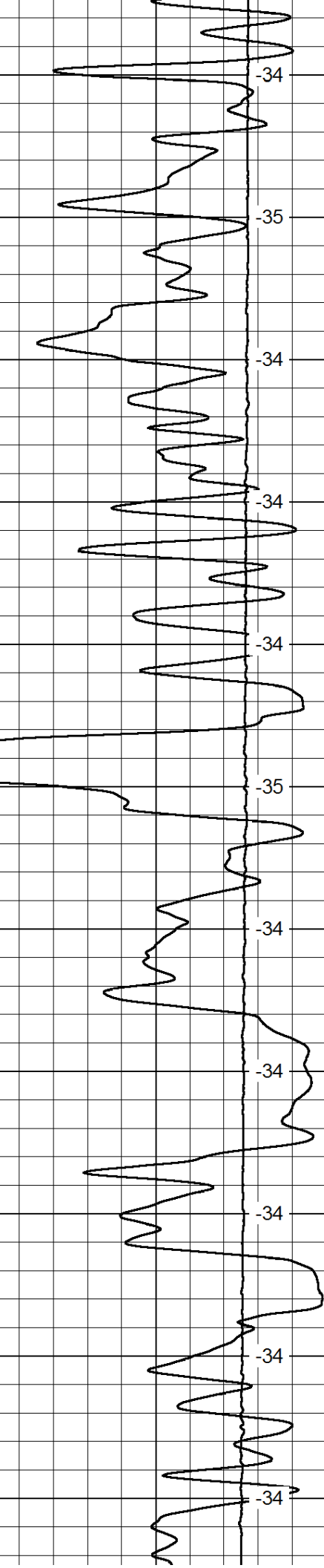
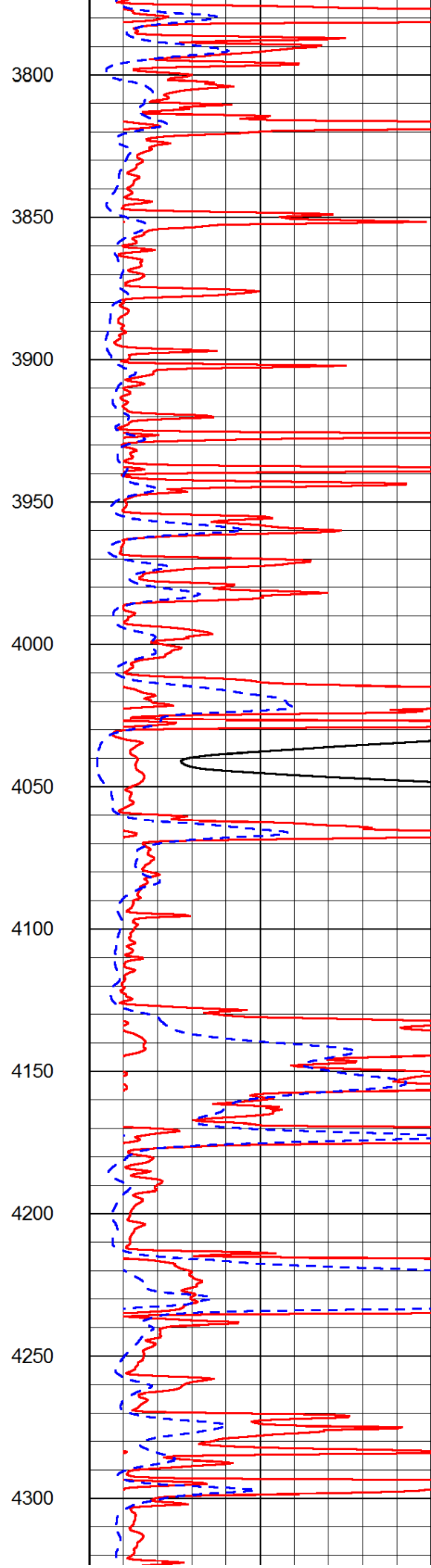
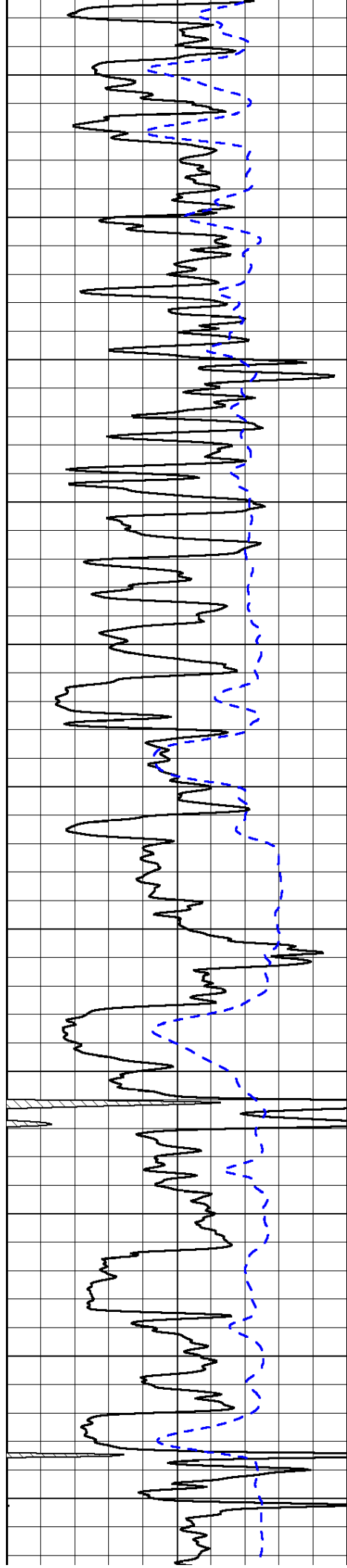
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2200
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2300
2350
2400
2450
2500
2550
2600
2650

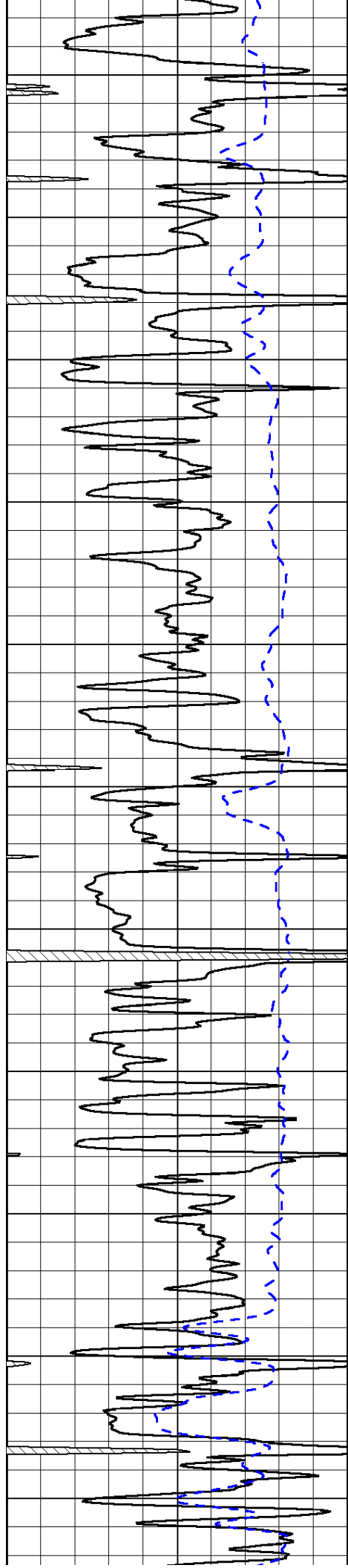


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4350

4400

4450

4500

4550

4600

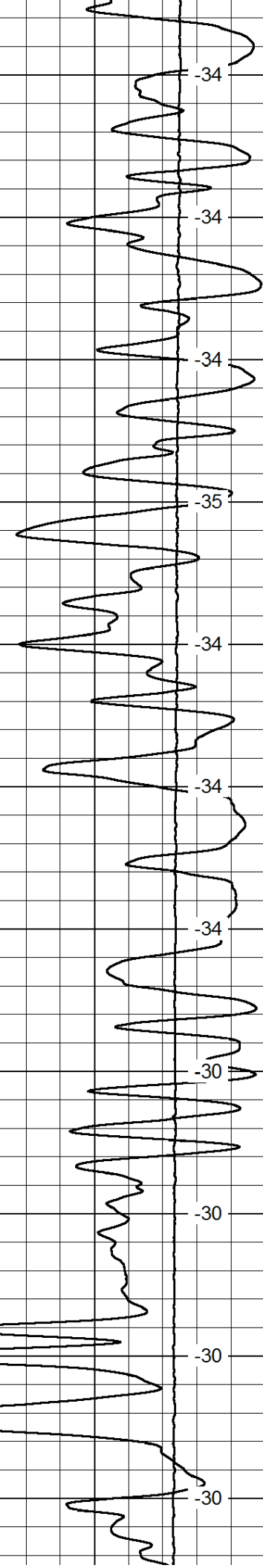
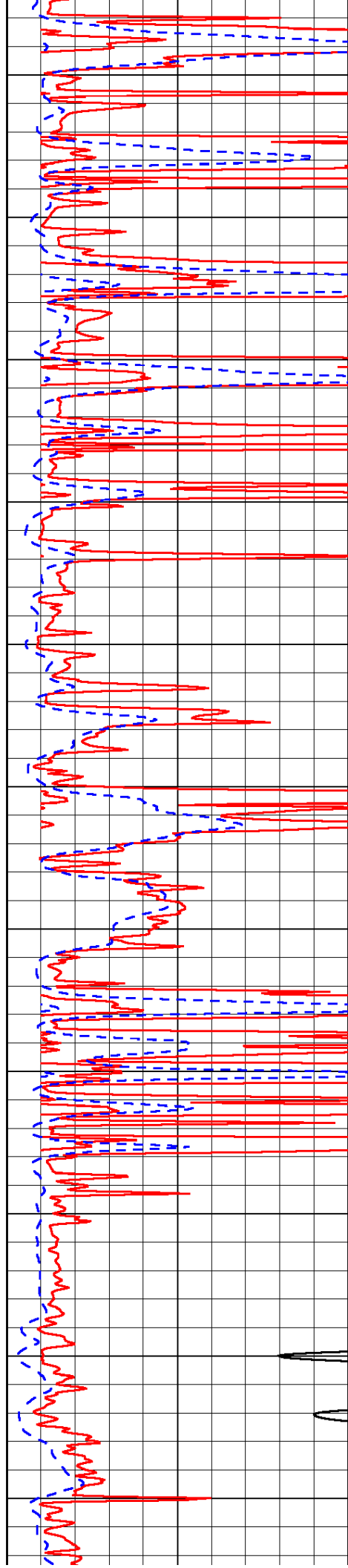
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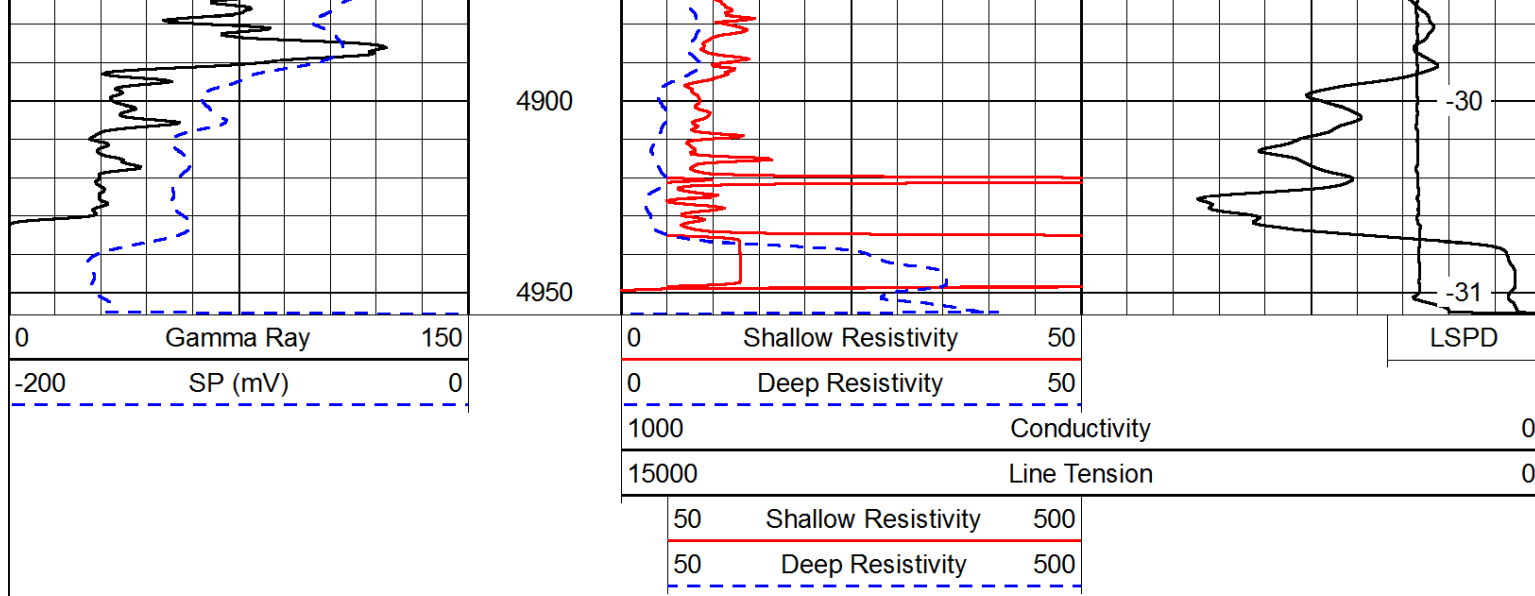
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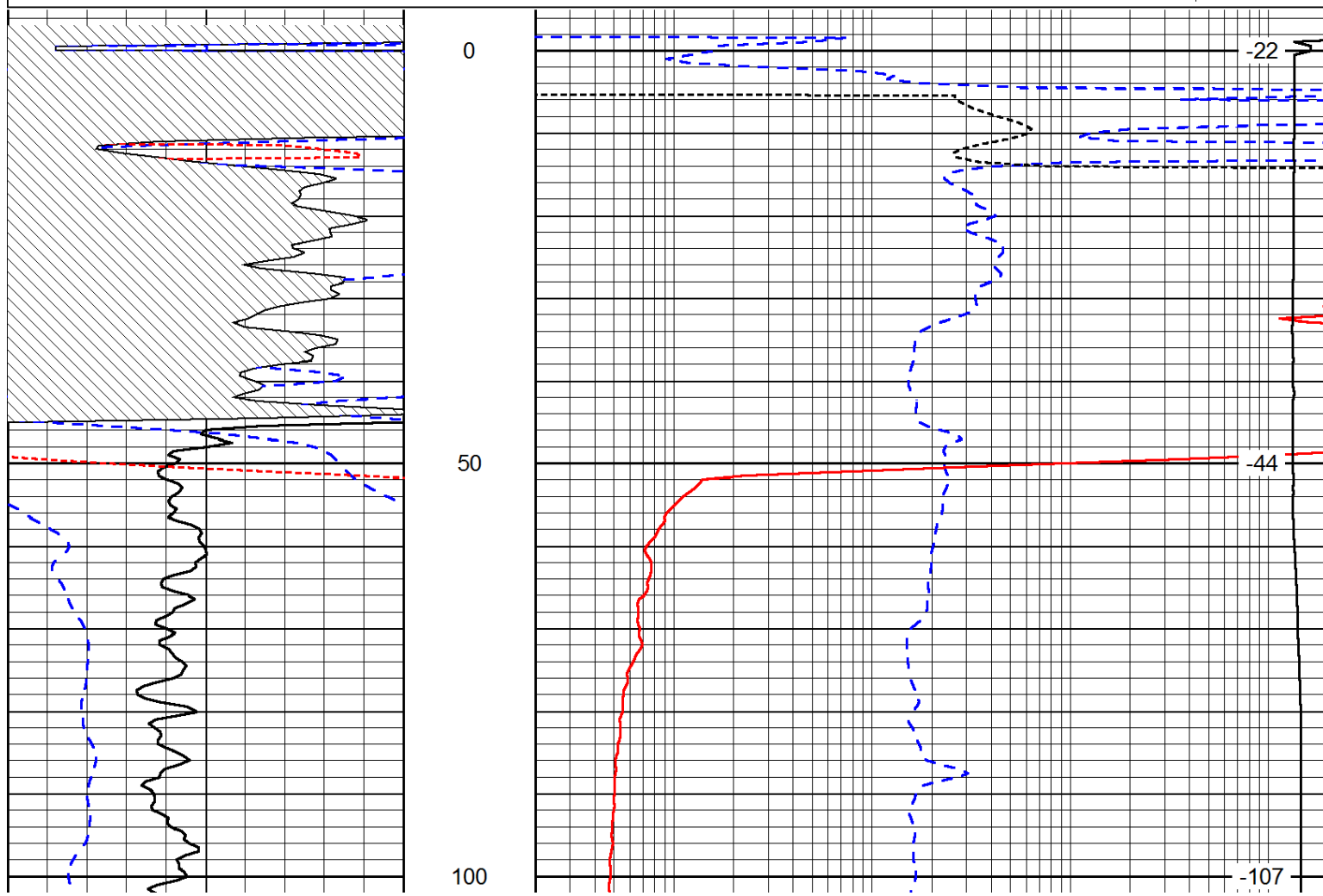
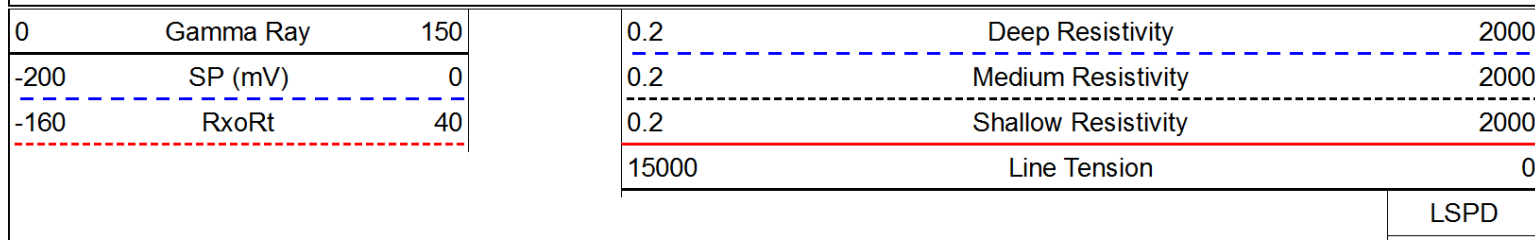
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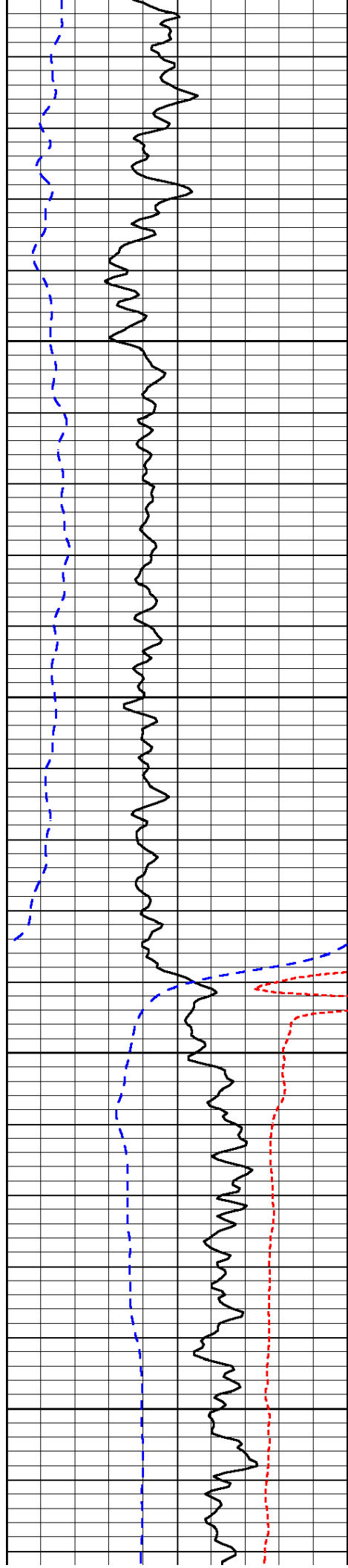
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Database File: c:\warrior\data\murfin_cheryl #1-33\murfin_cheryl_1-33hd.db
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 Presentation Format: dil
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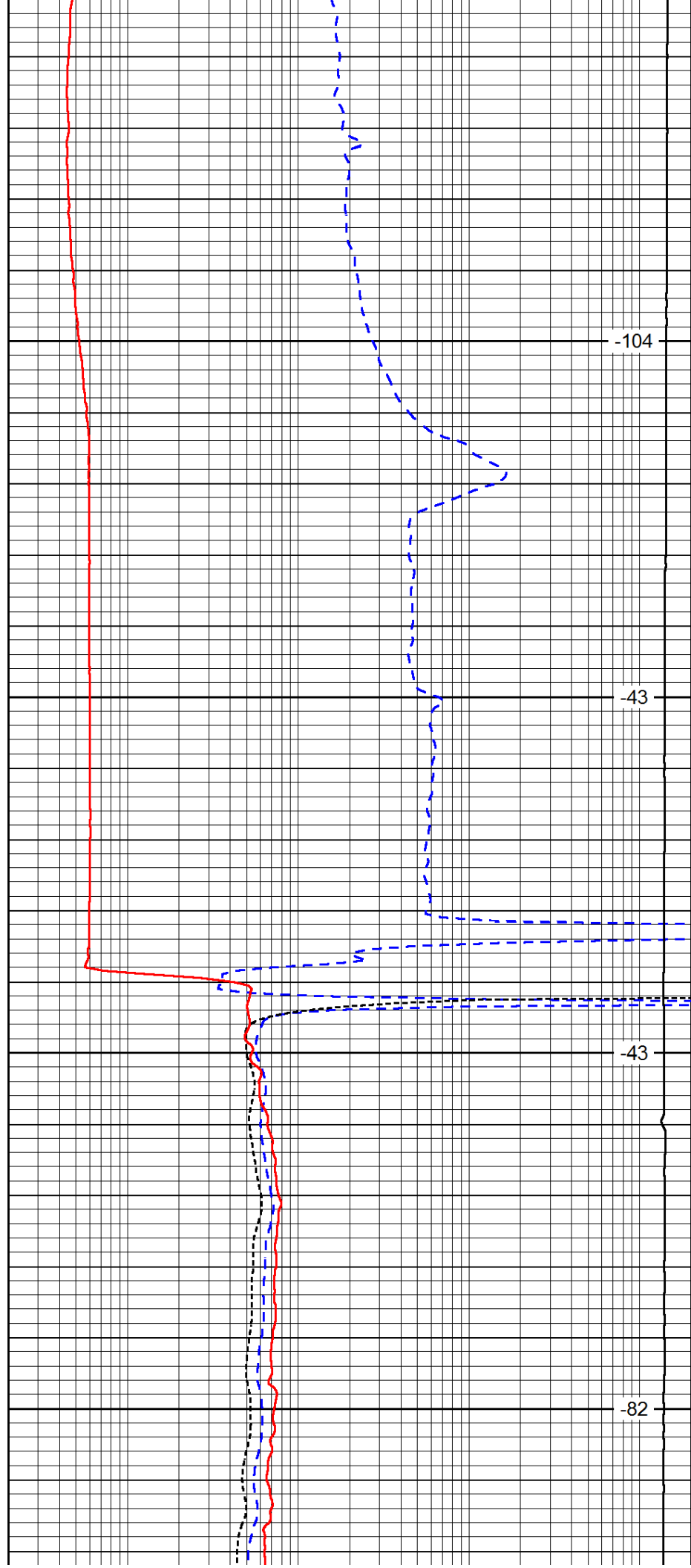


150

200

250

300

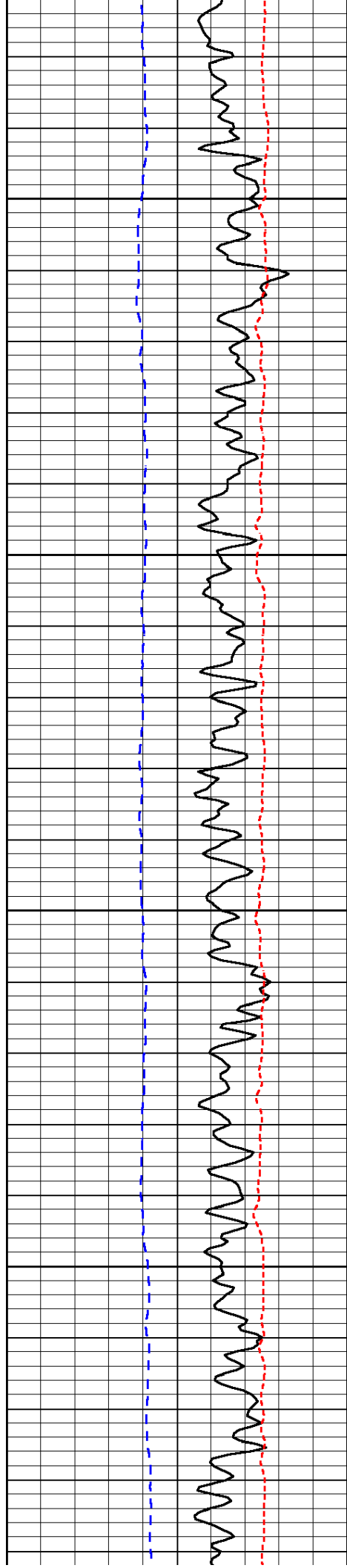


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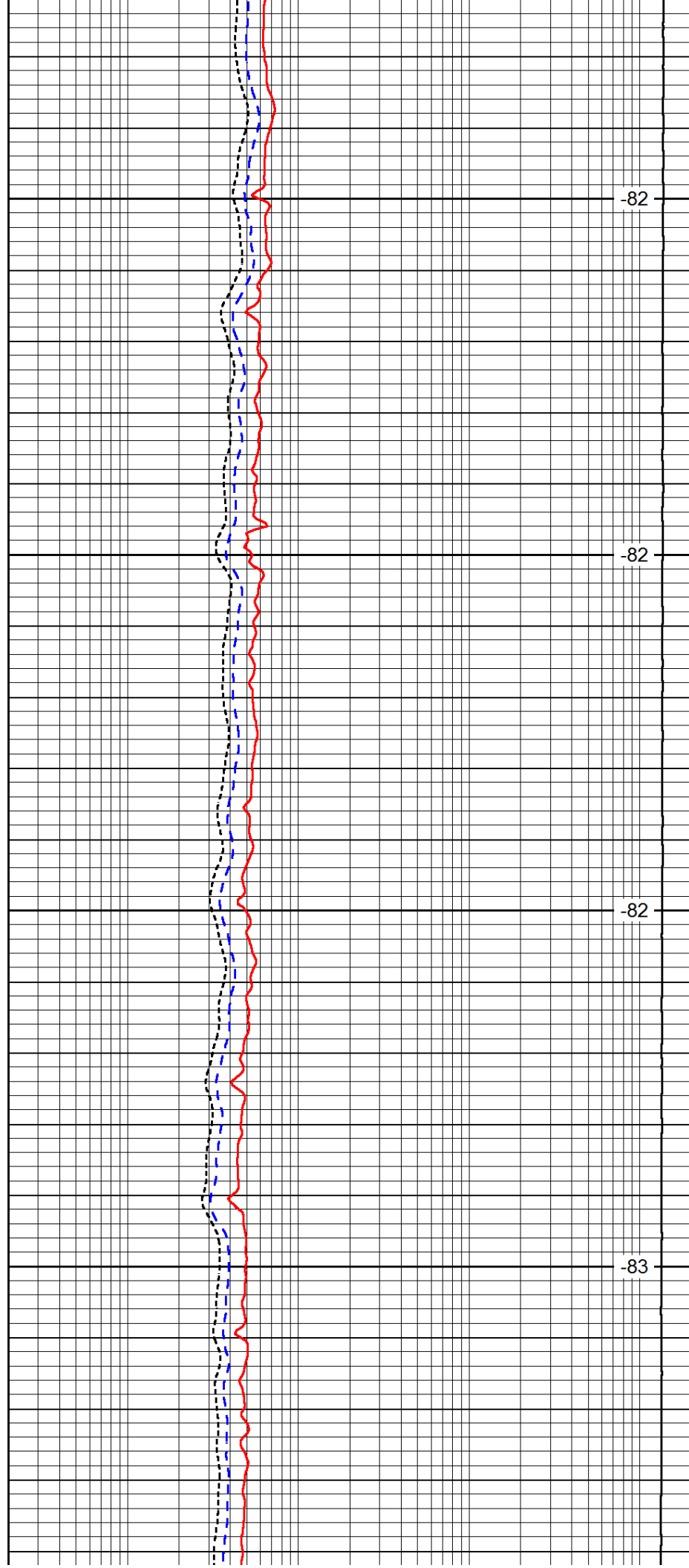


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400

450

500

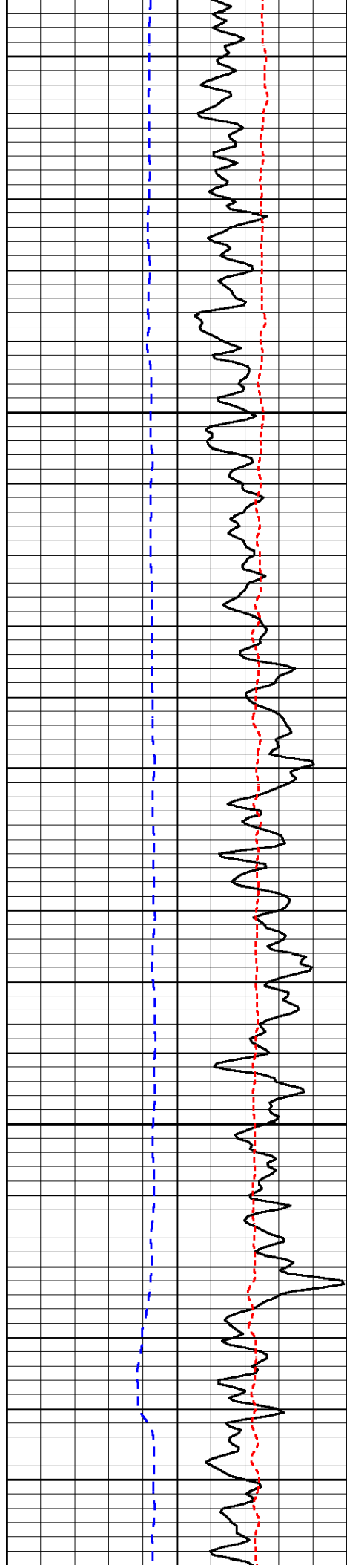


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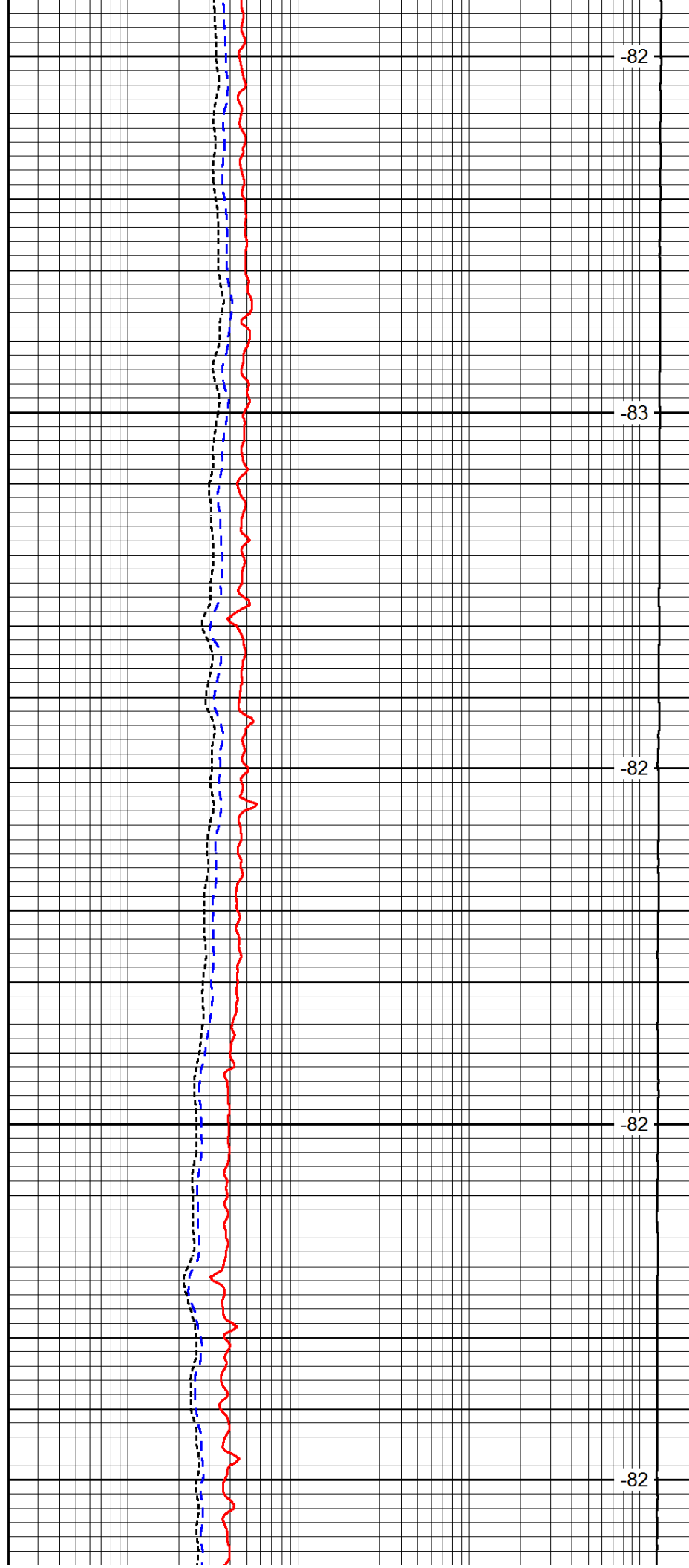
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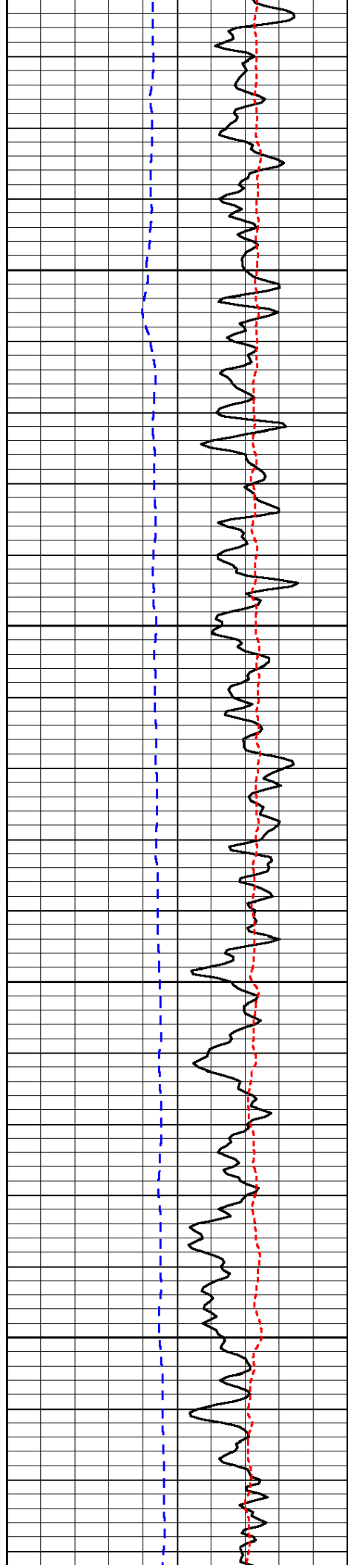
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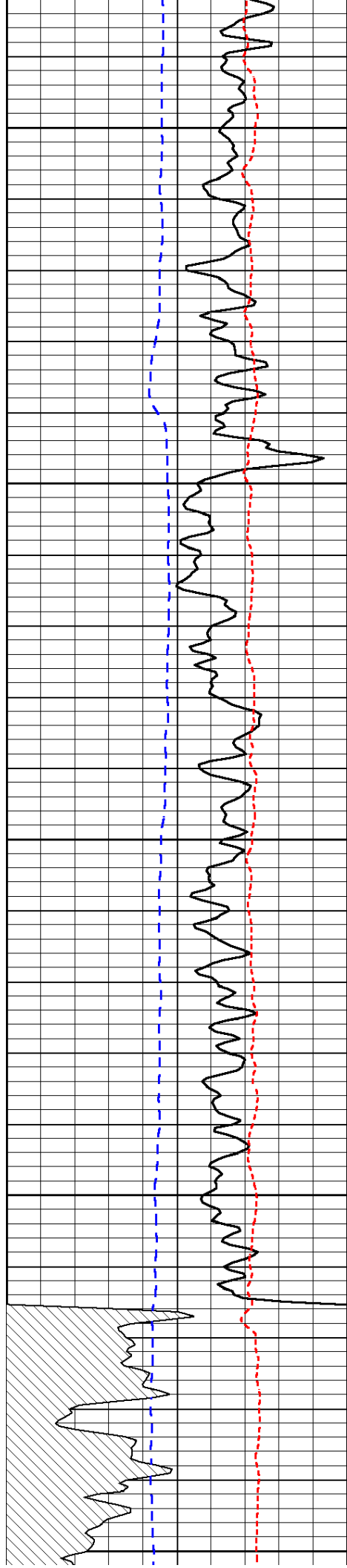
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-80



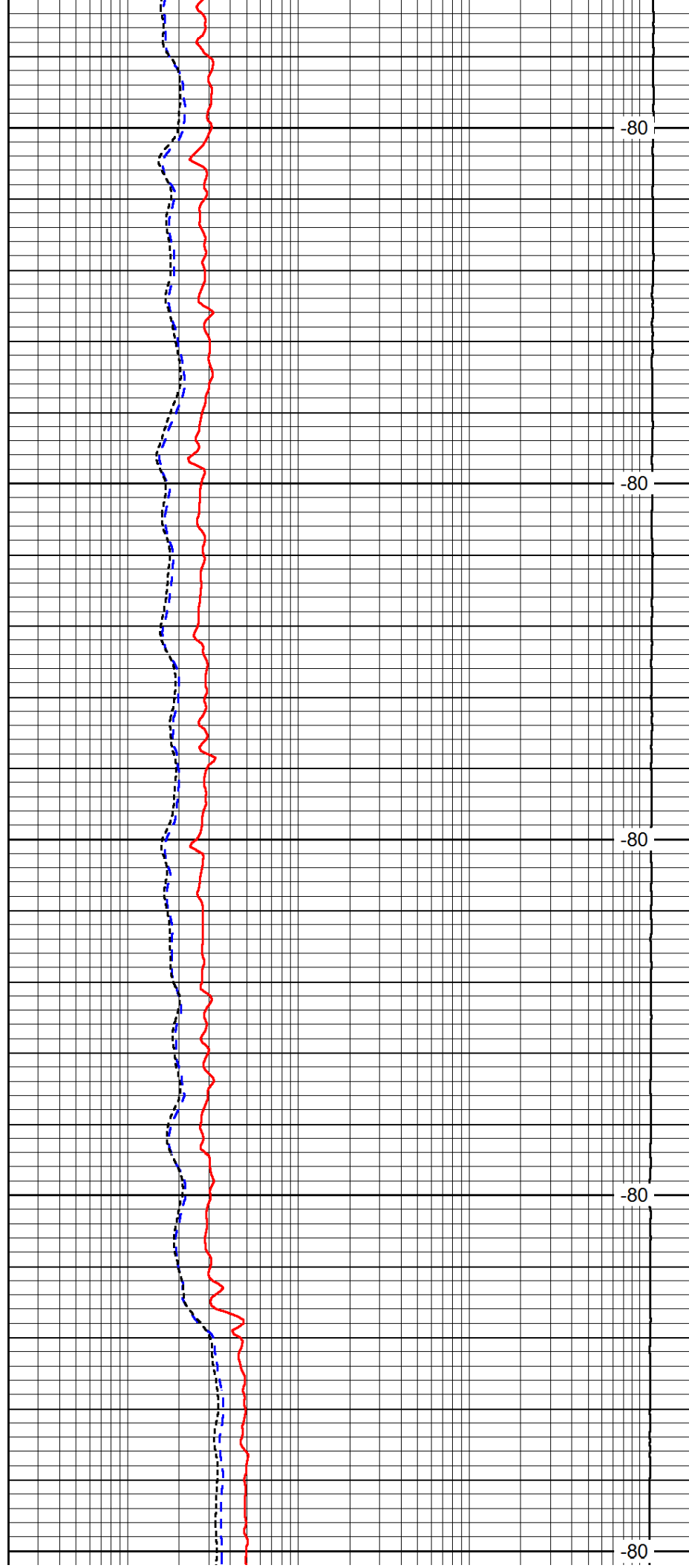
1000

1050

1100

1150

1200



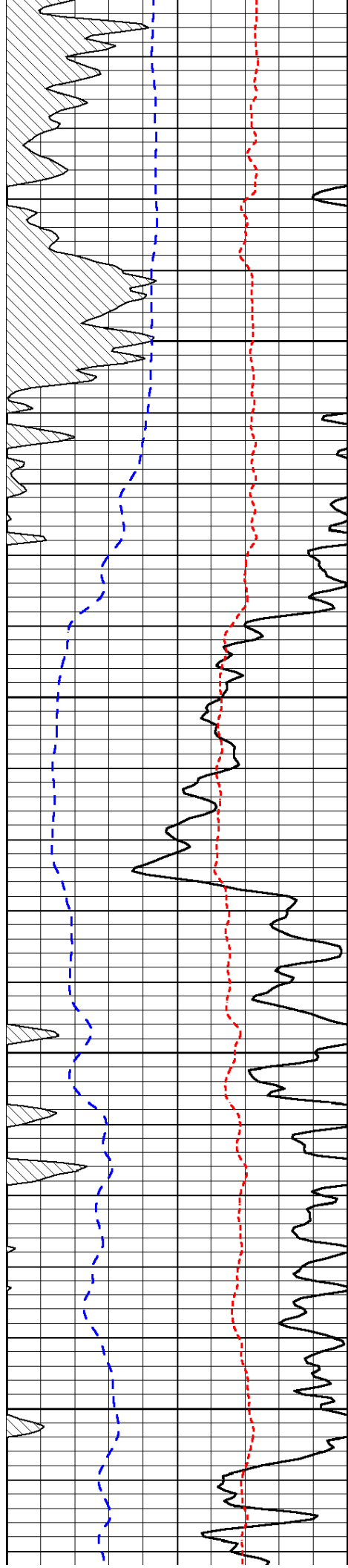
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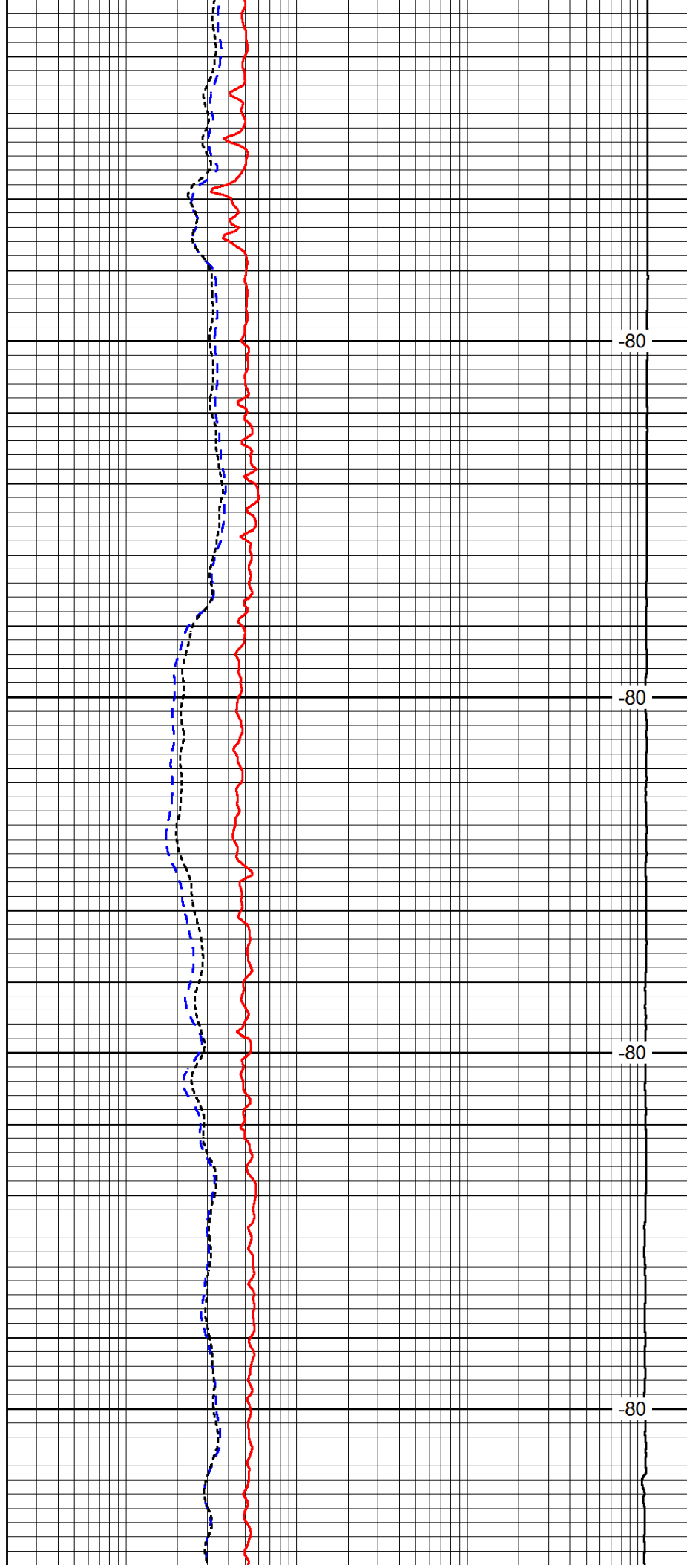


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1300

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1400

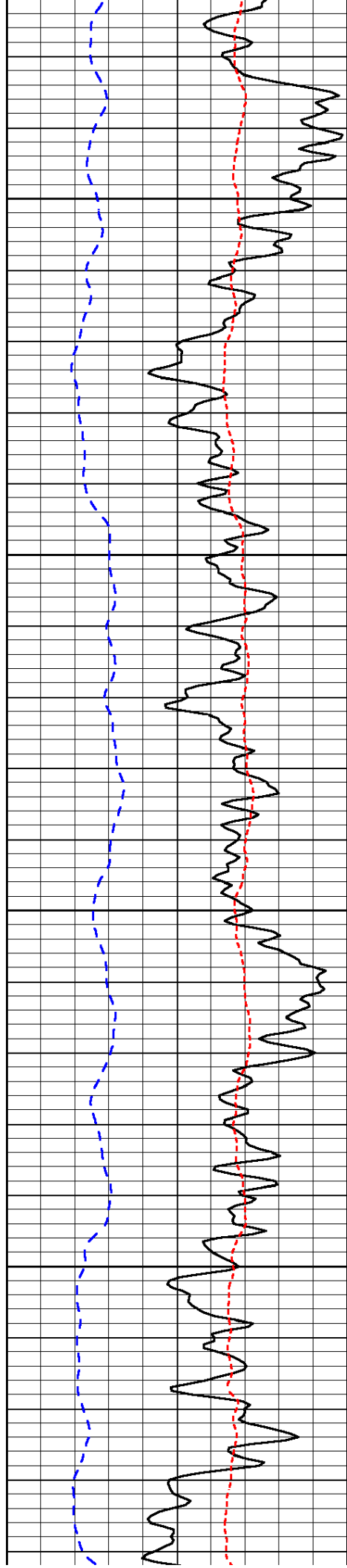


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1450

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1550

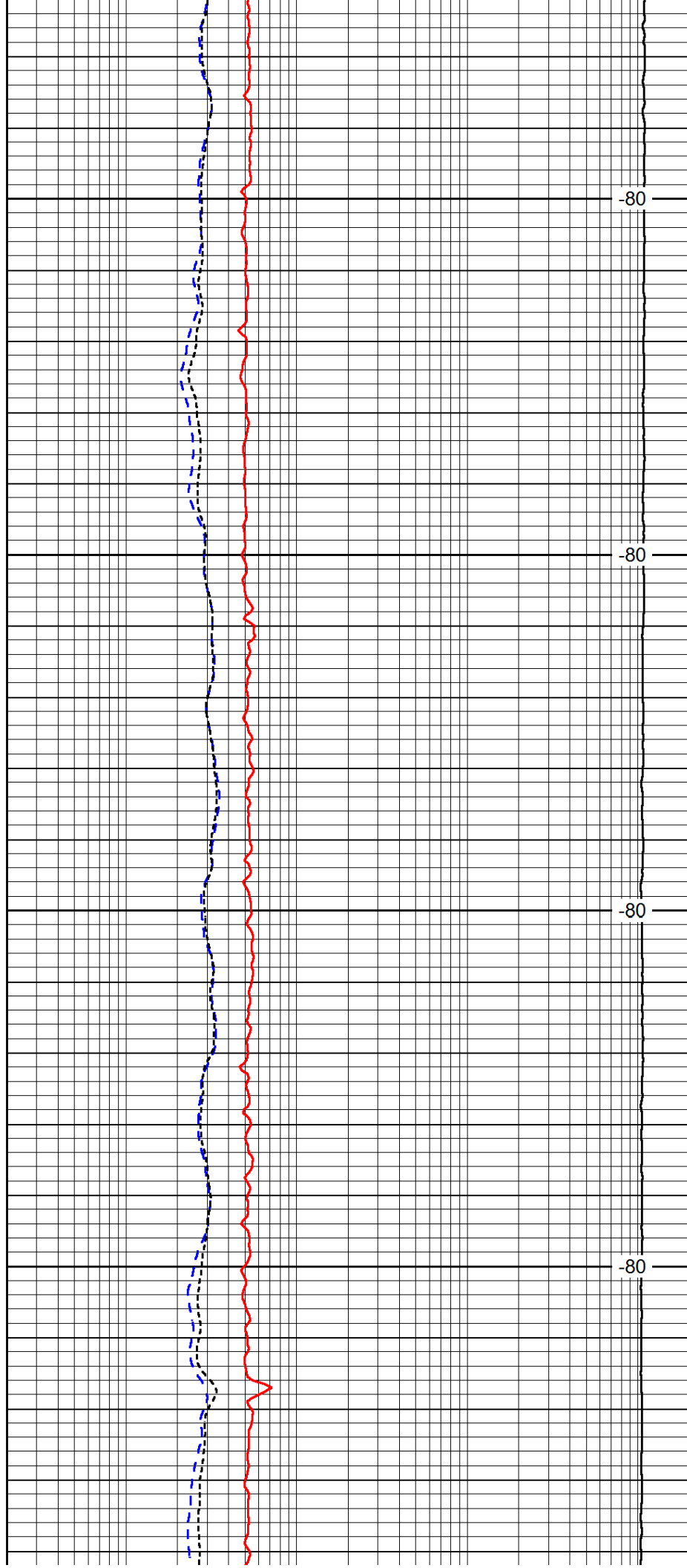
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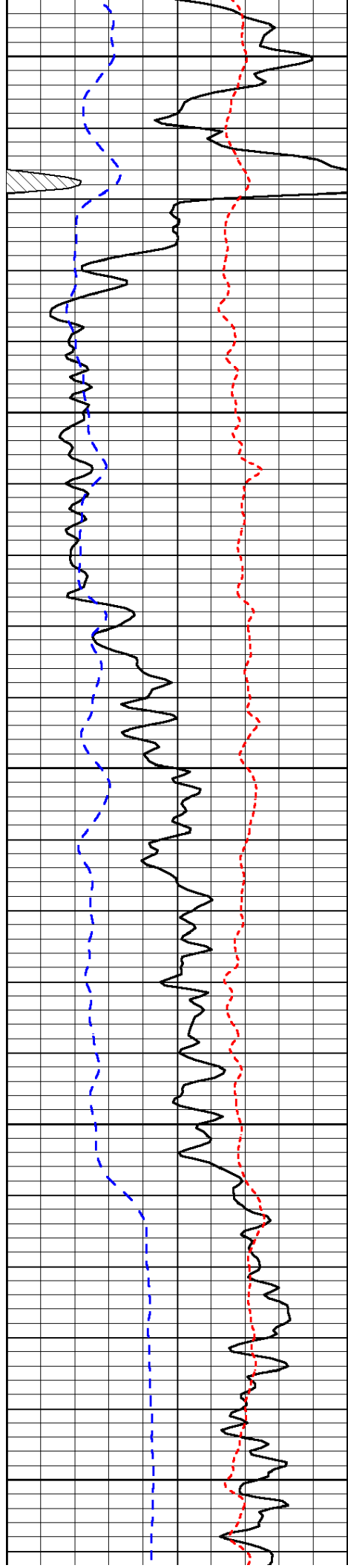
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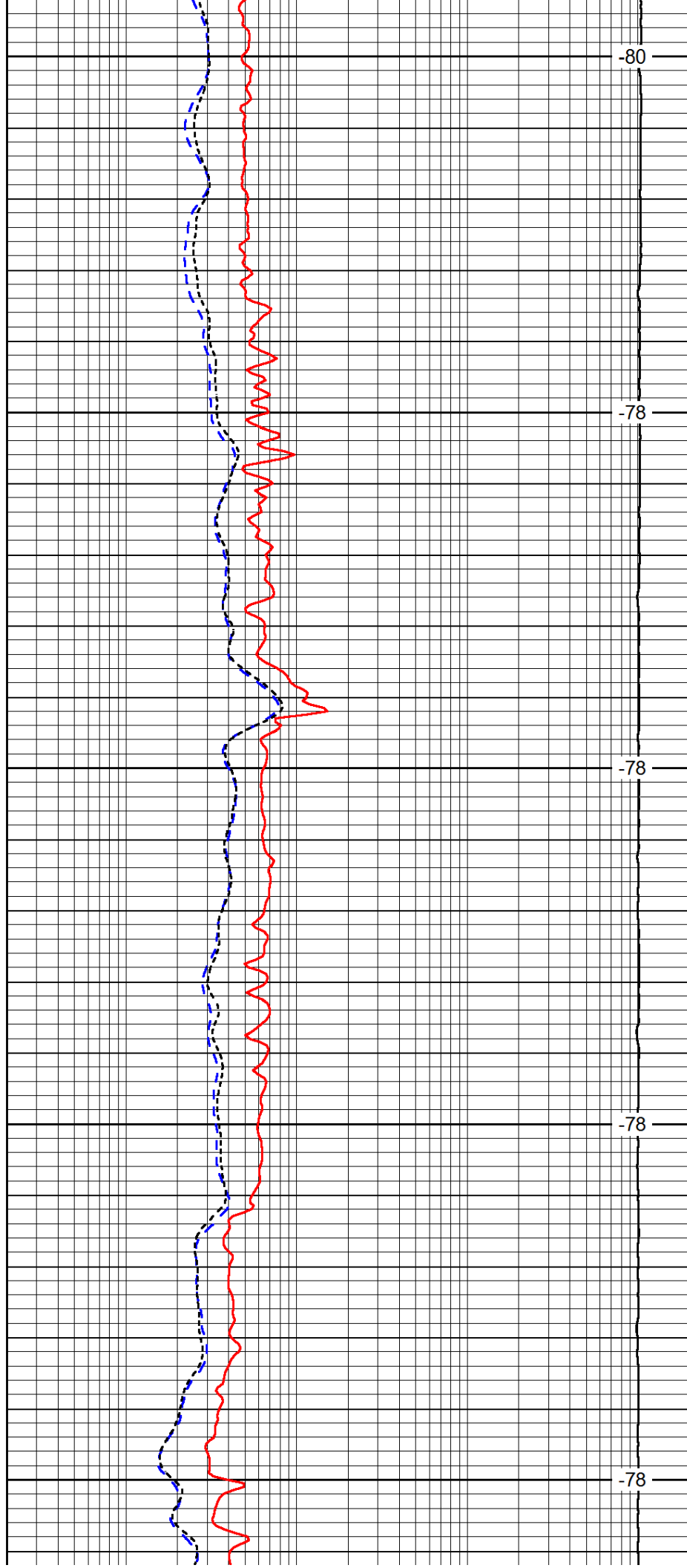
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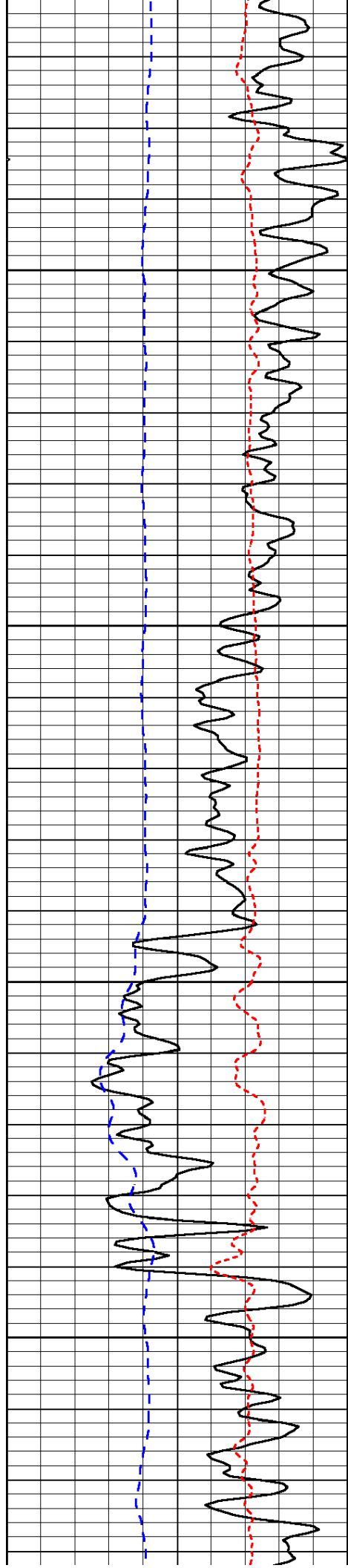
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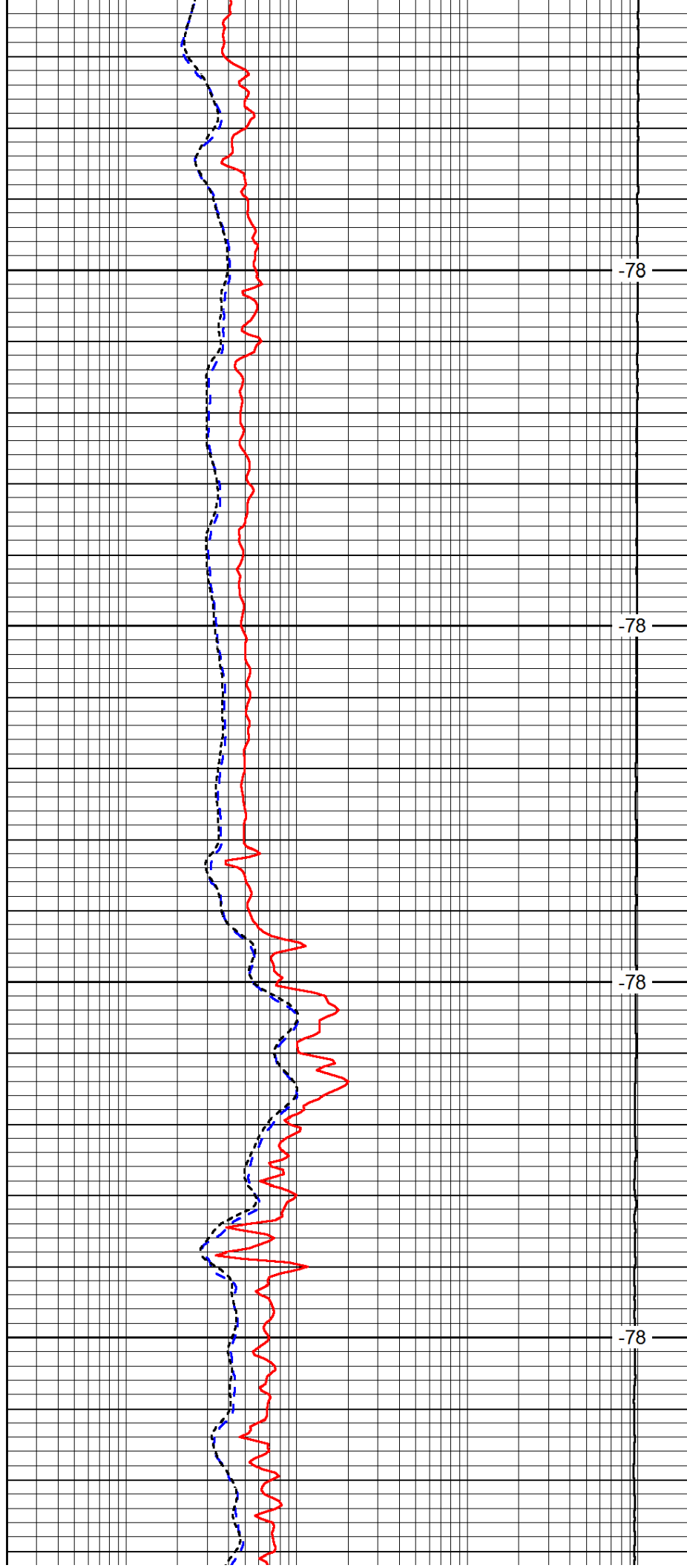


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1950

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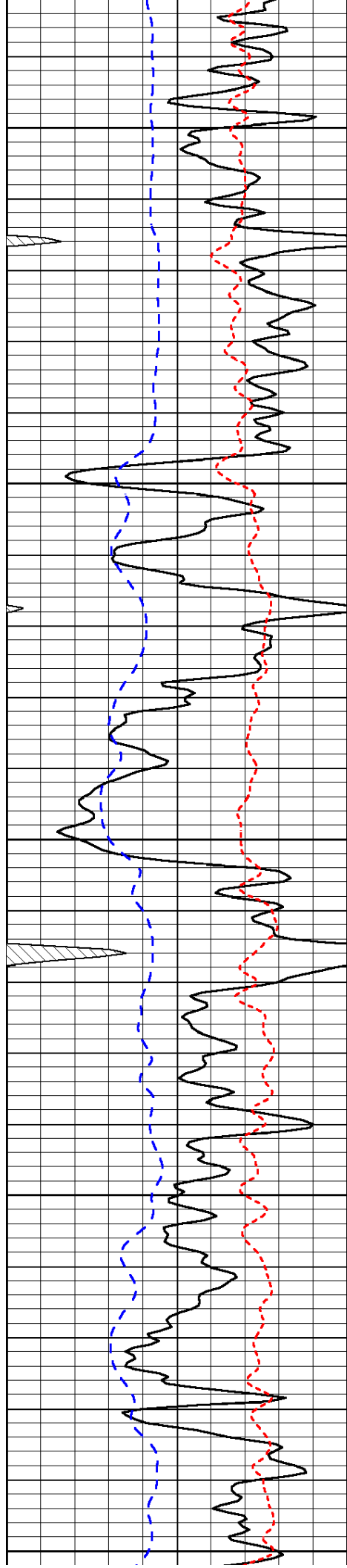


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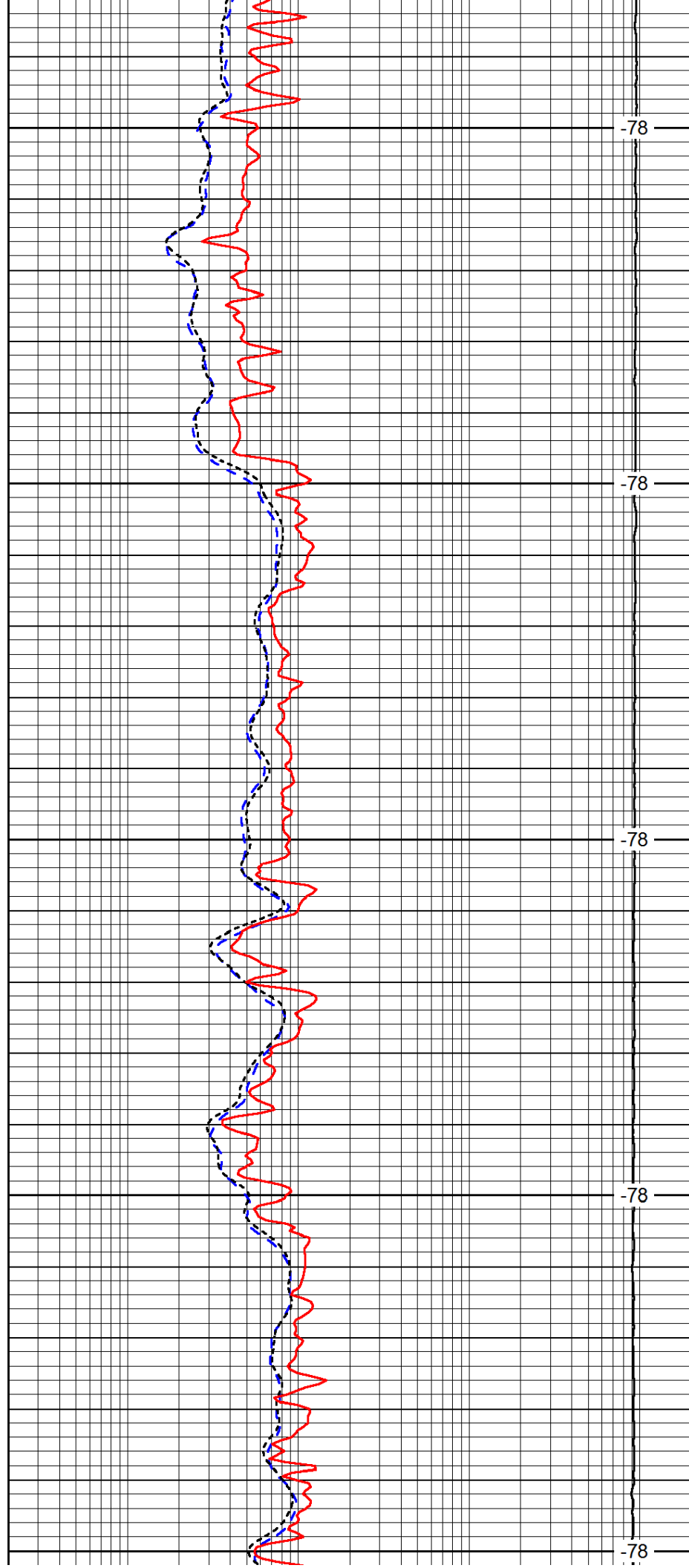
2100

2150

2200

2250

2300



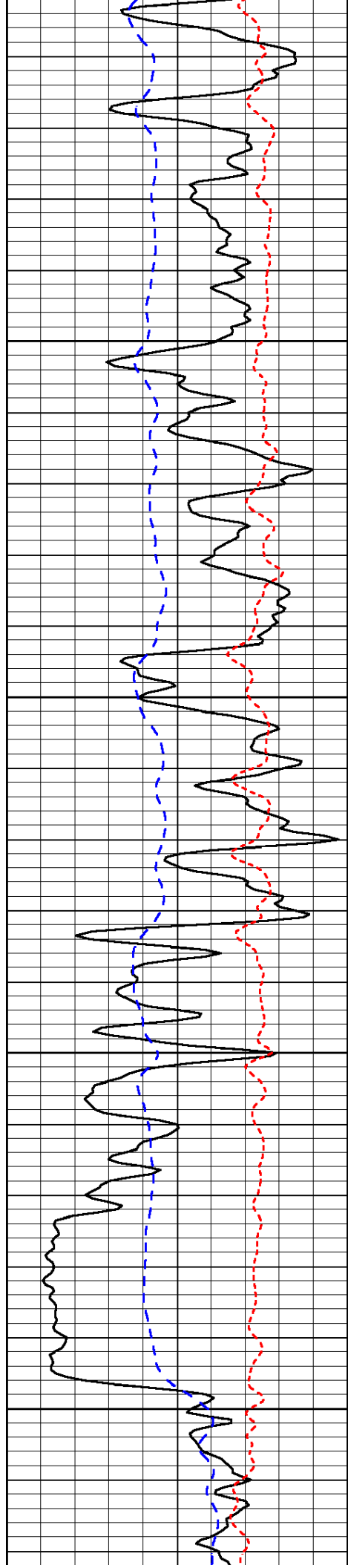
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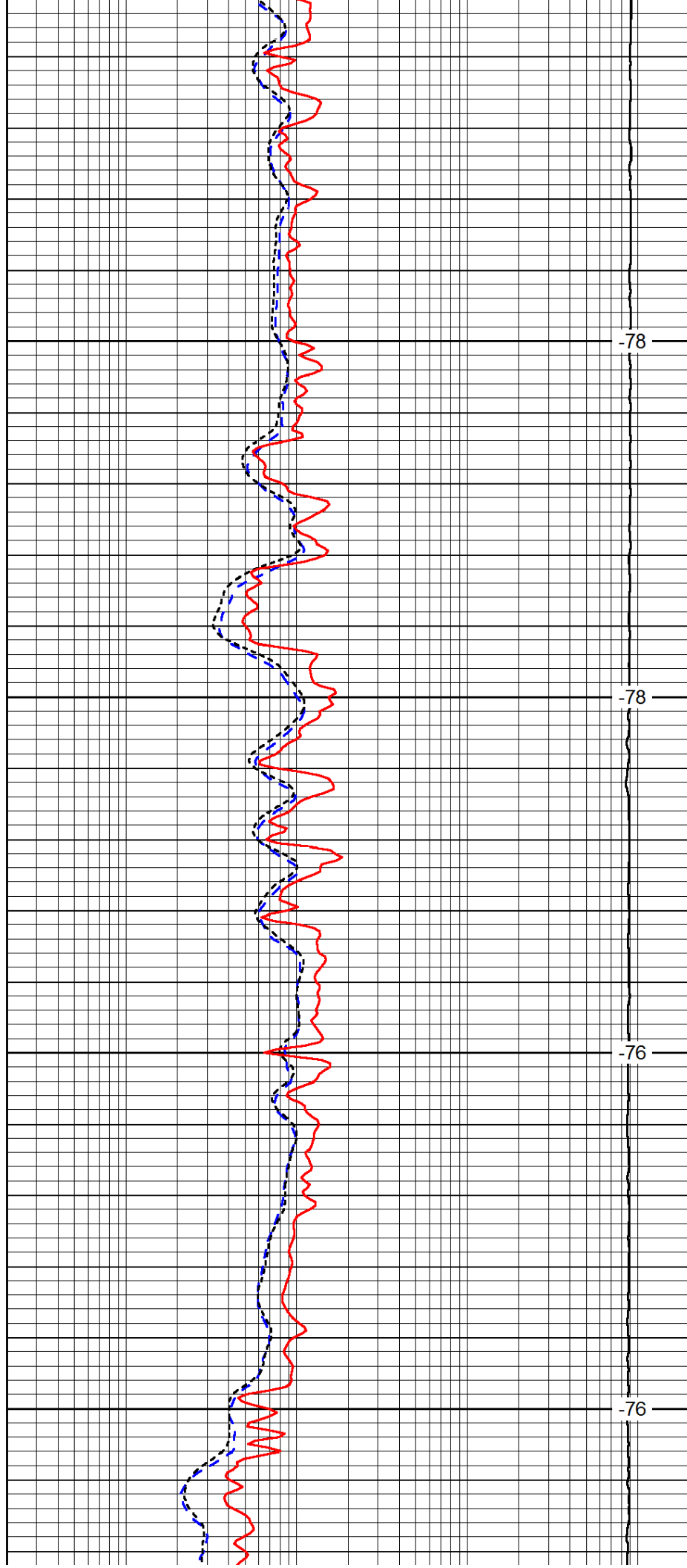


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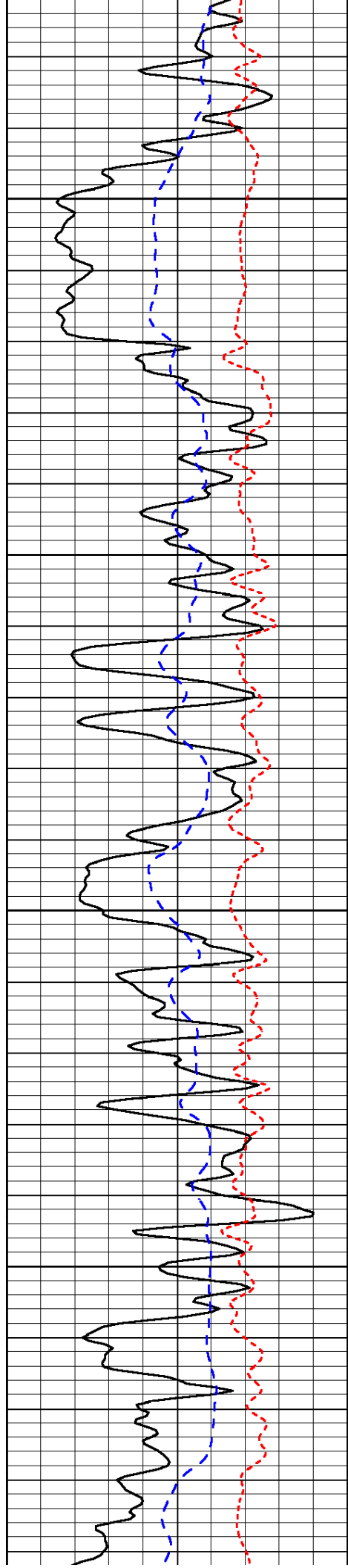


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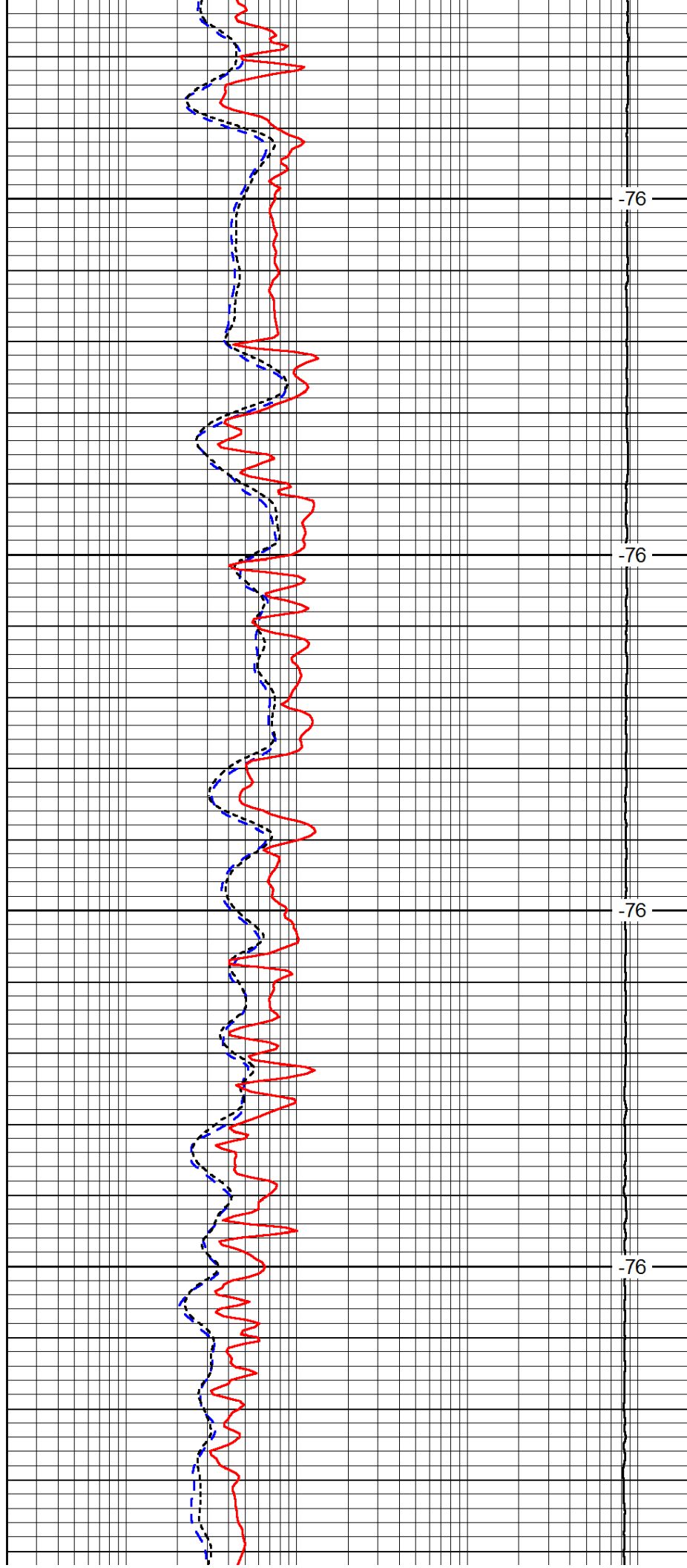


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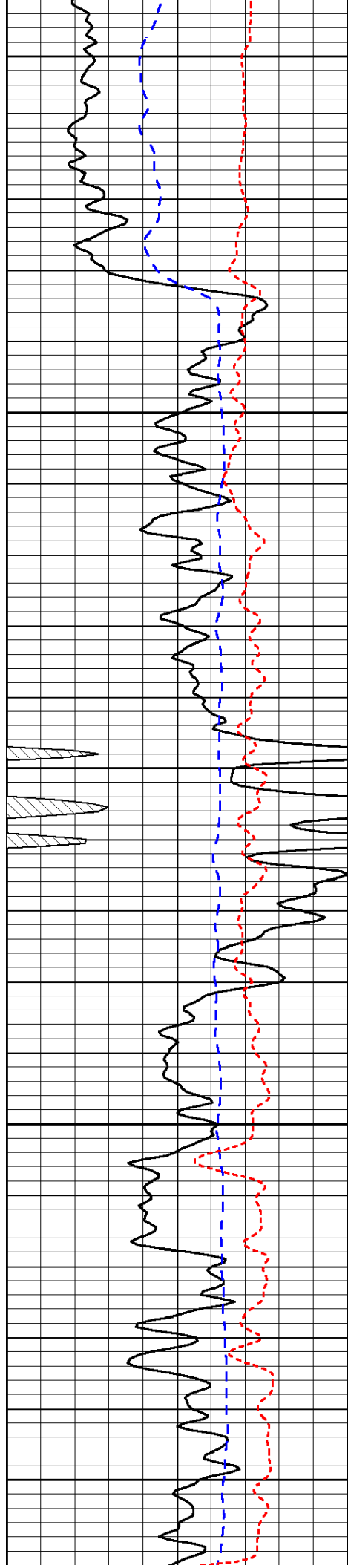


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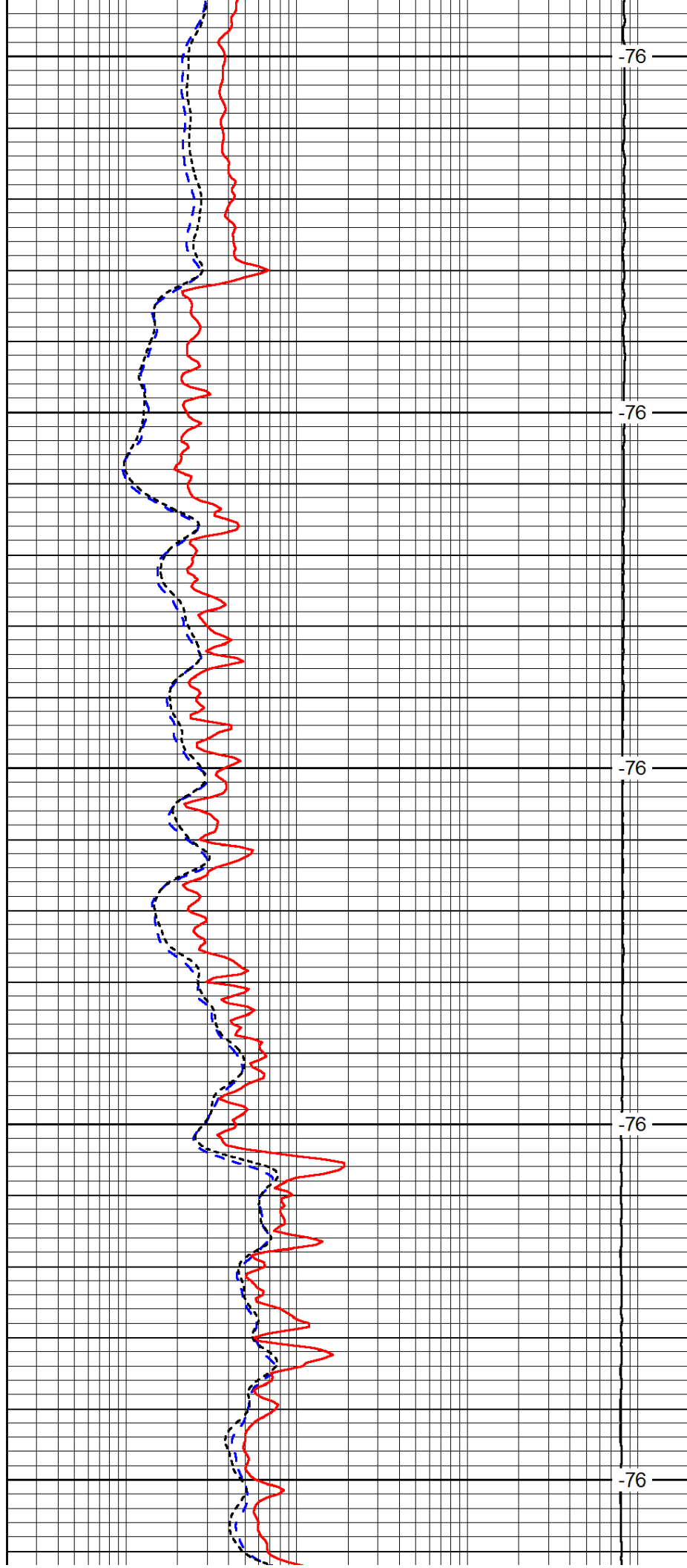
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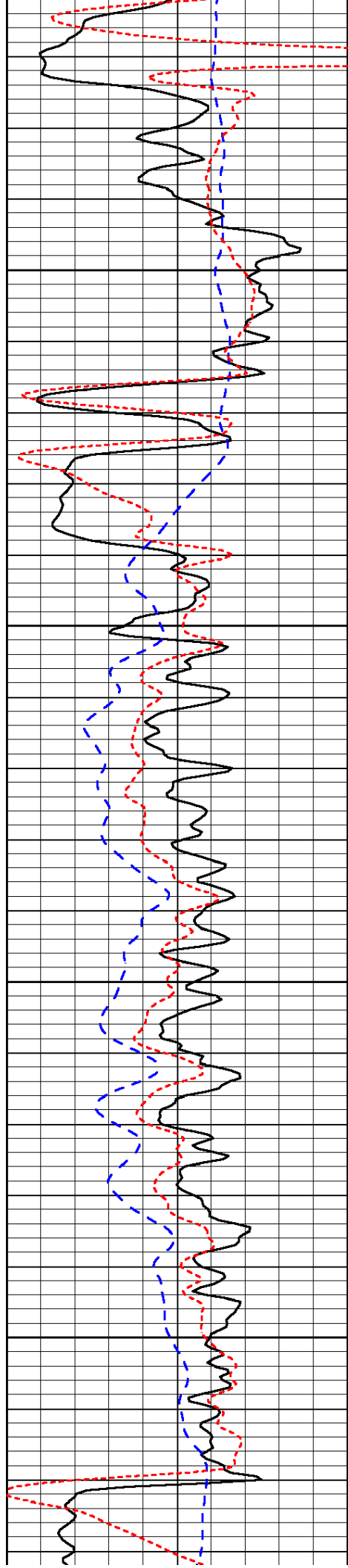
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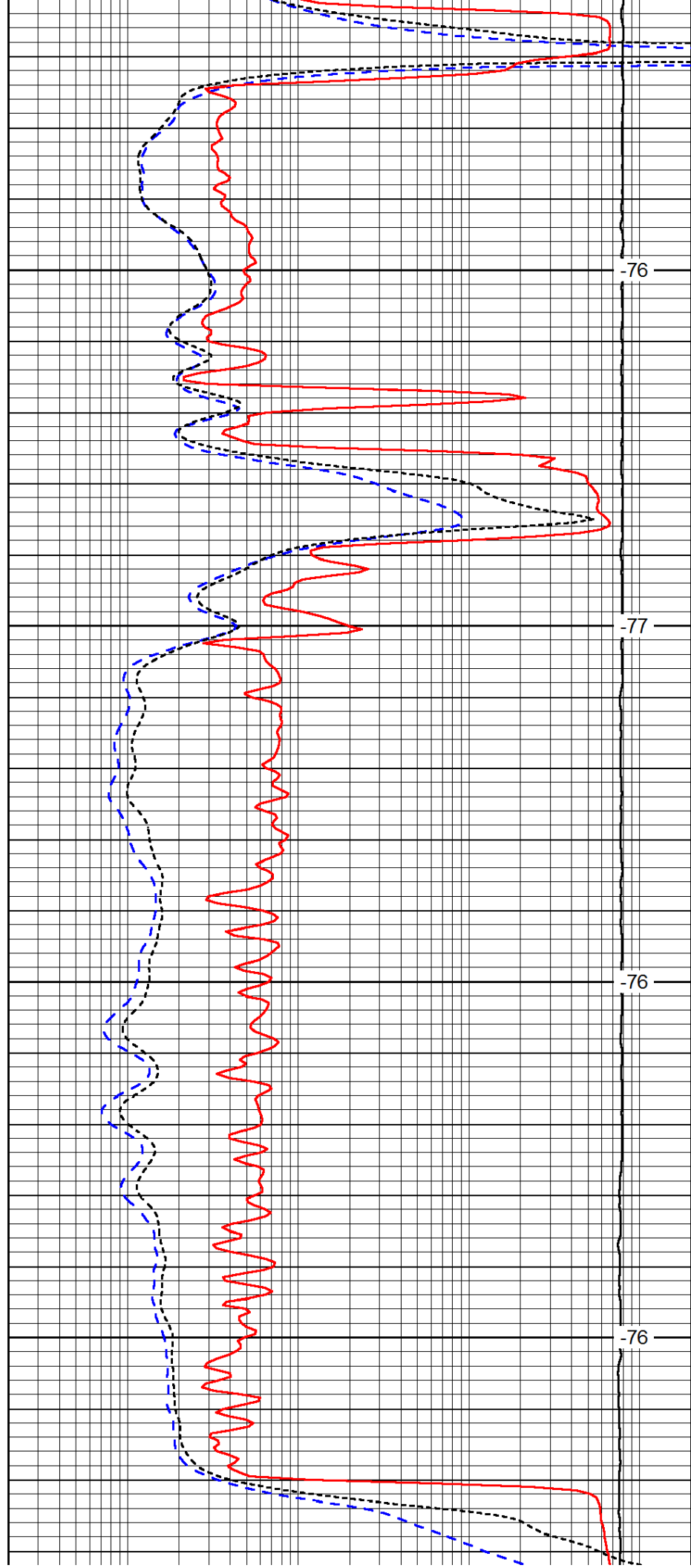


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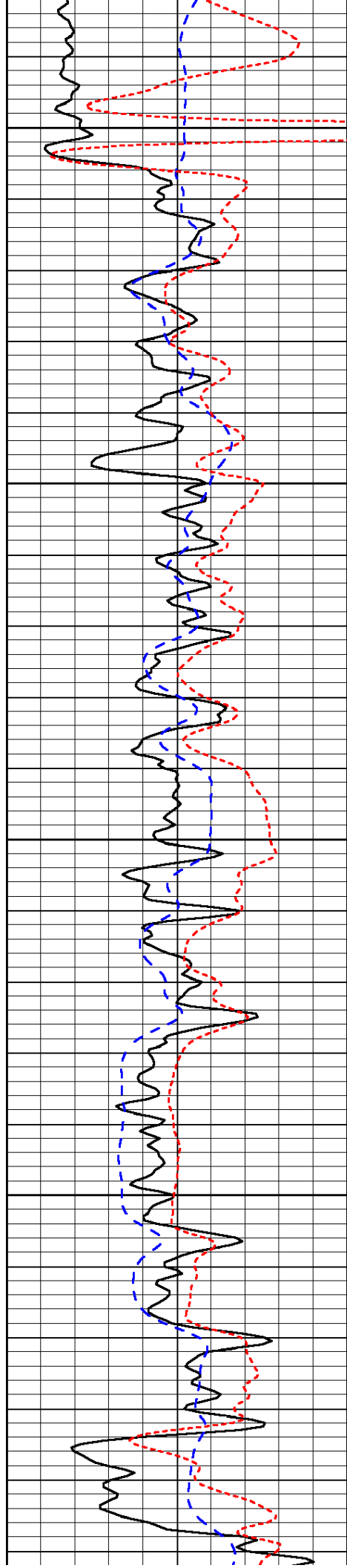


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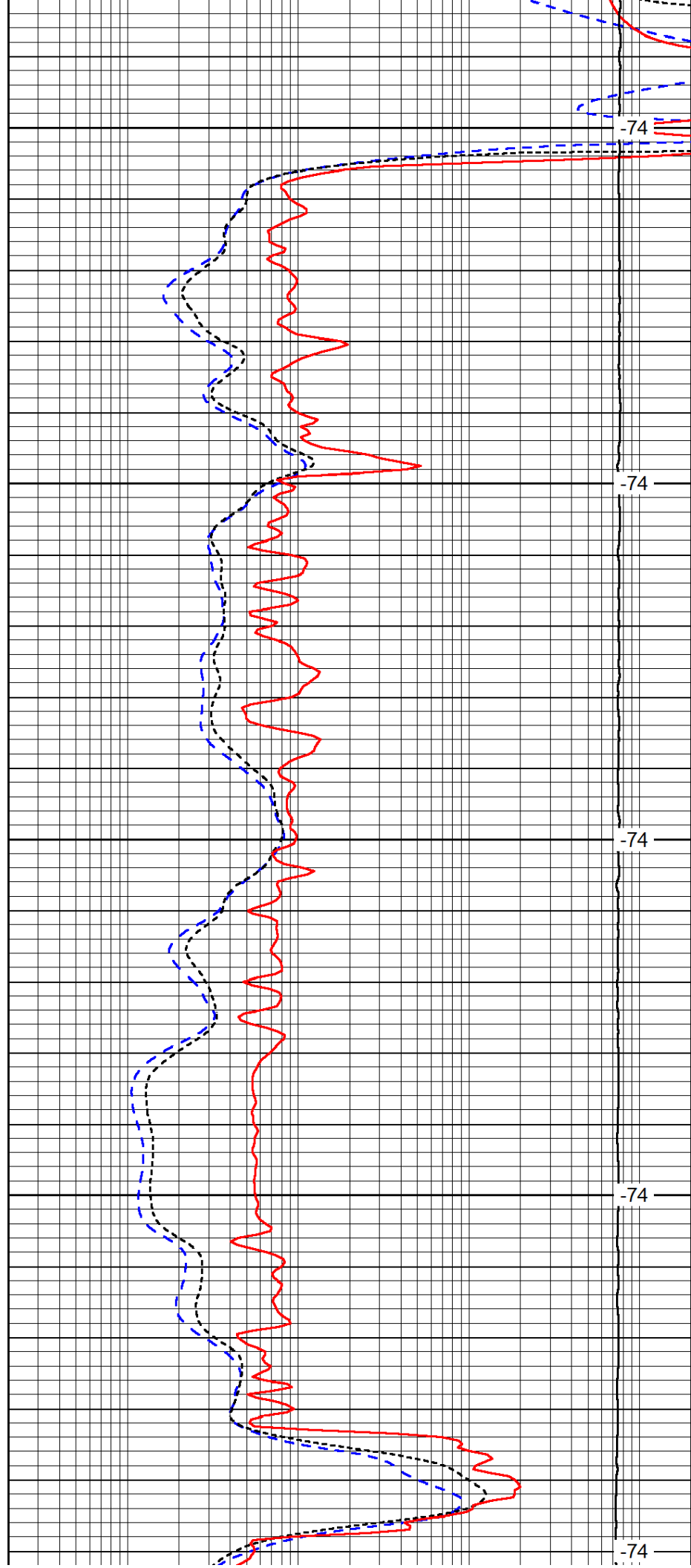
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3300

3350

3400



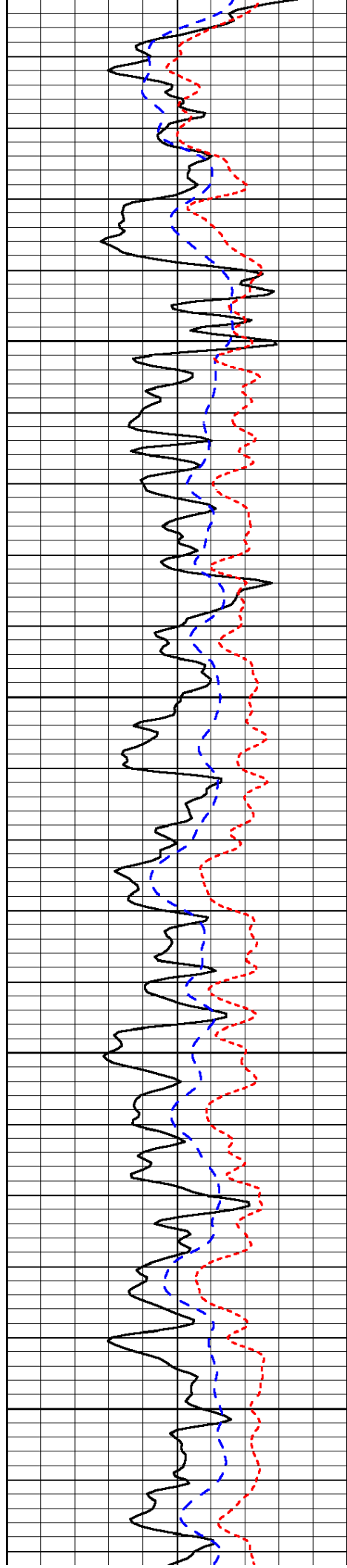
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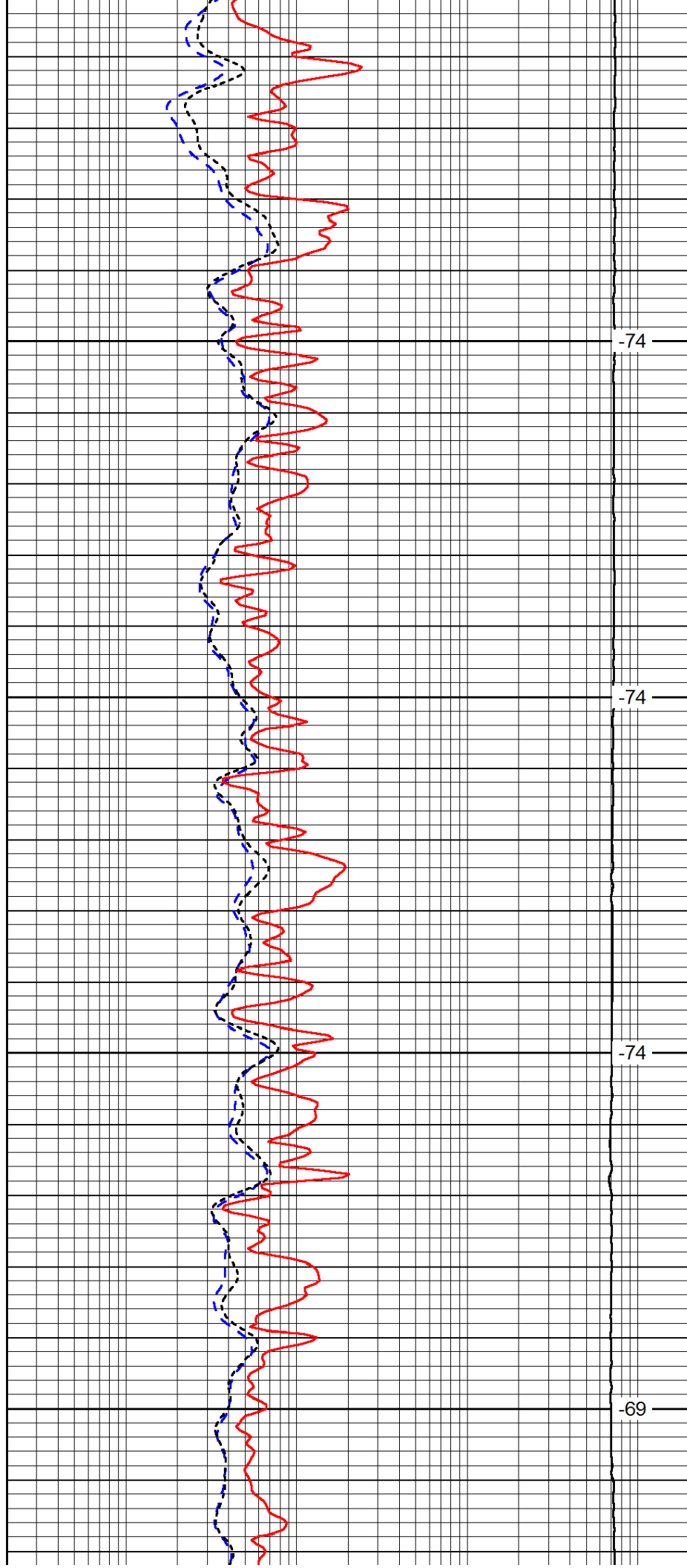


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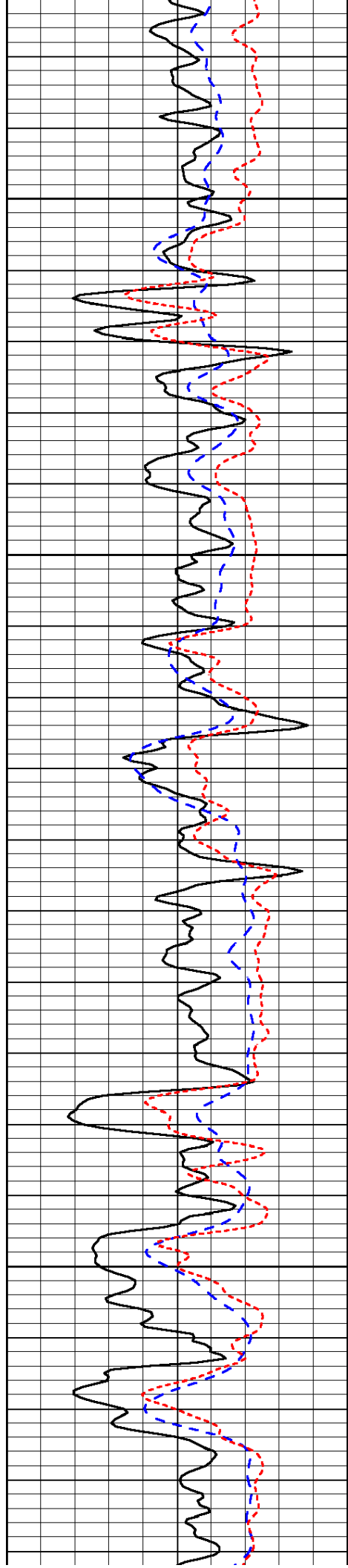


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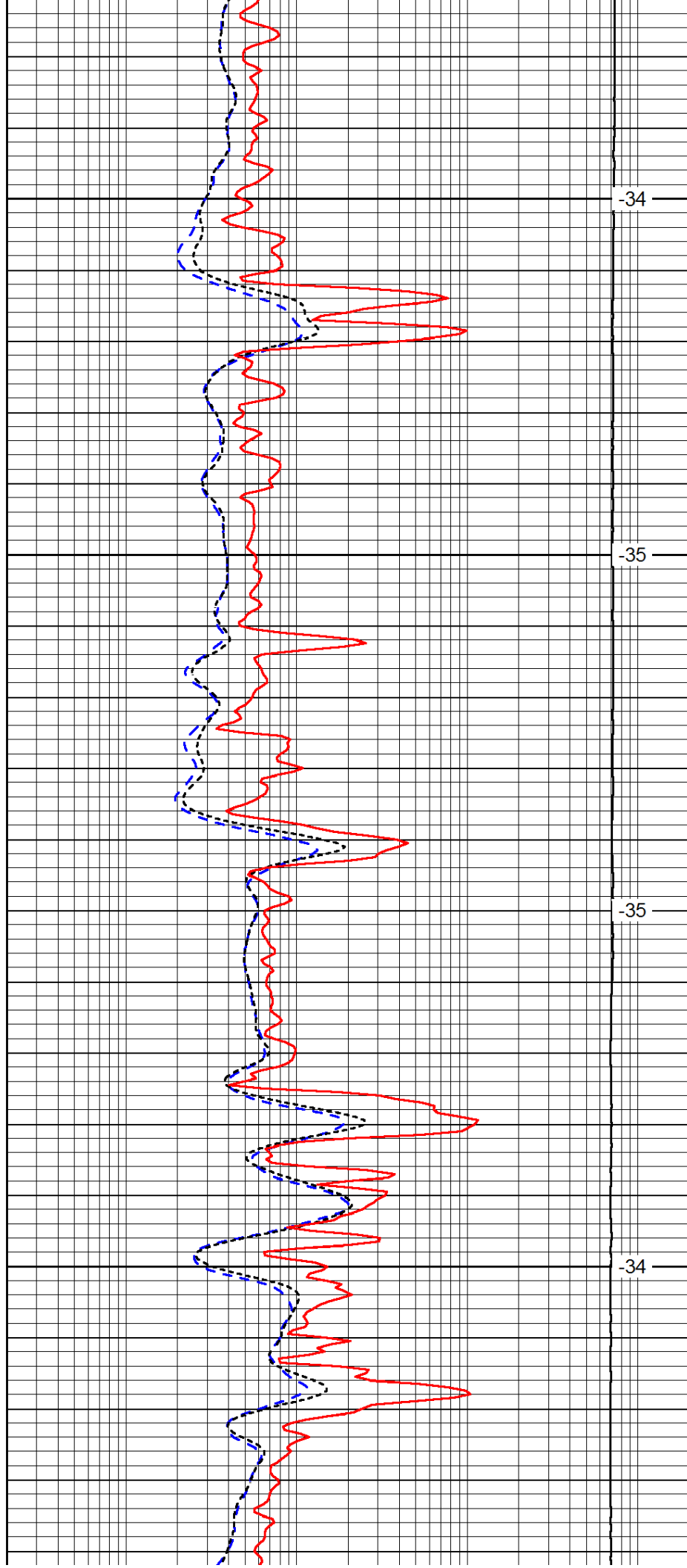


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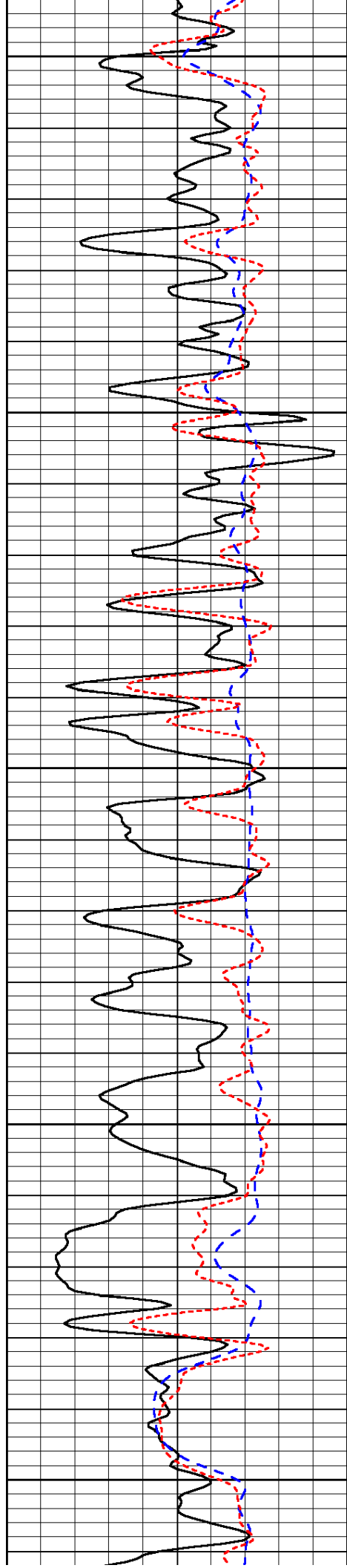


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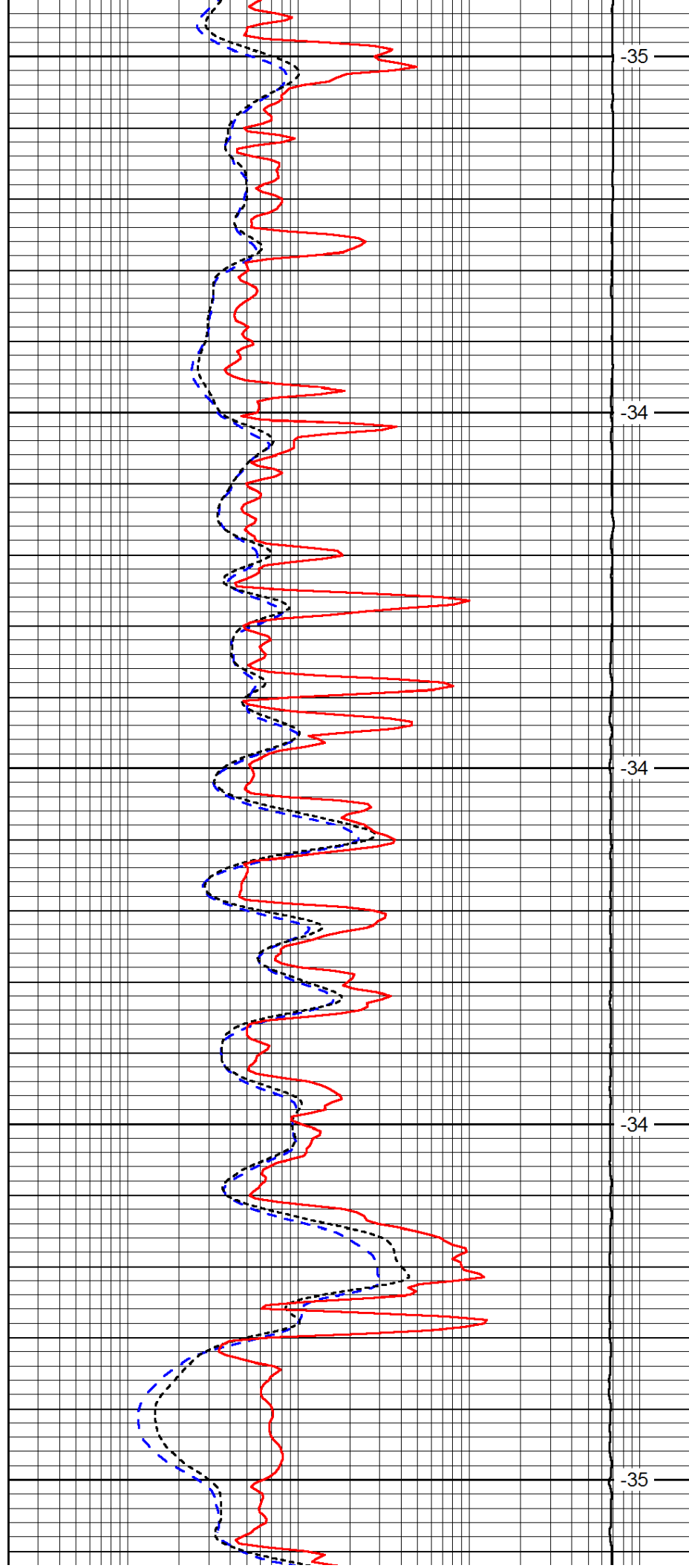
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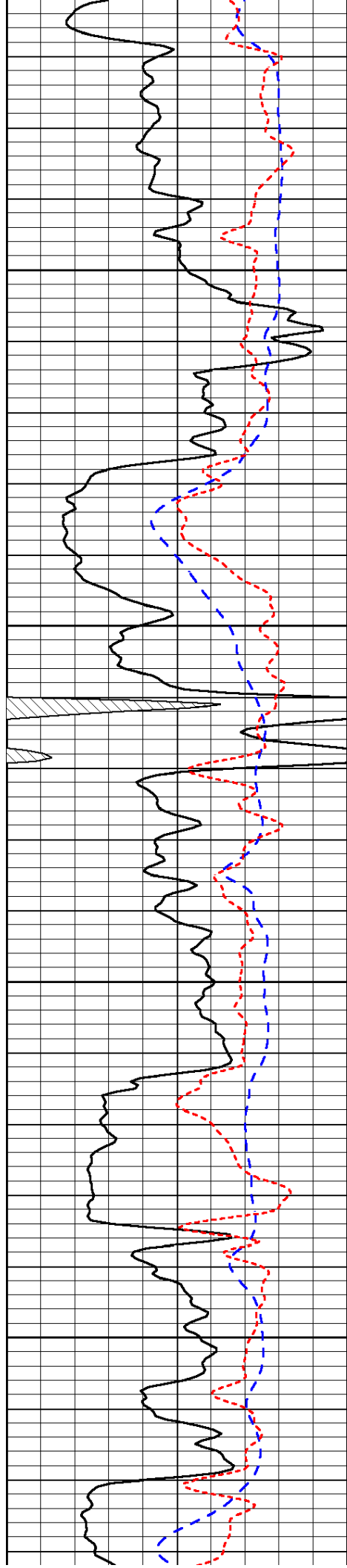
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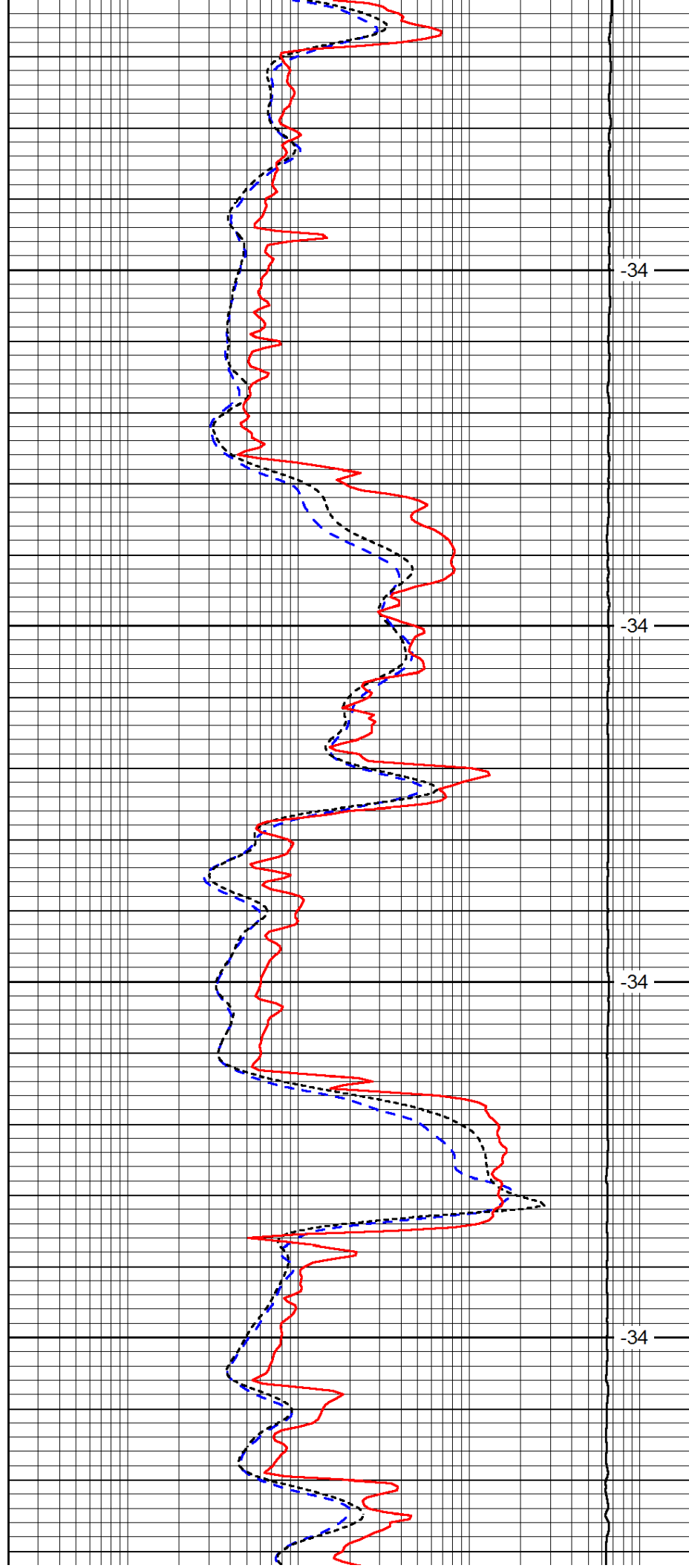


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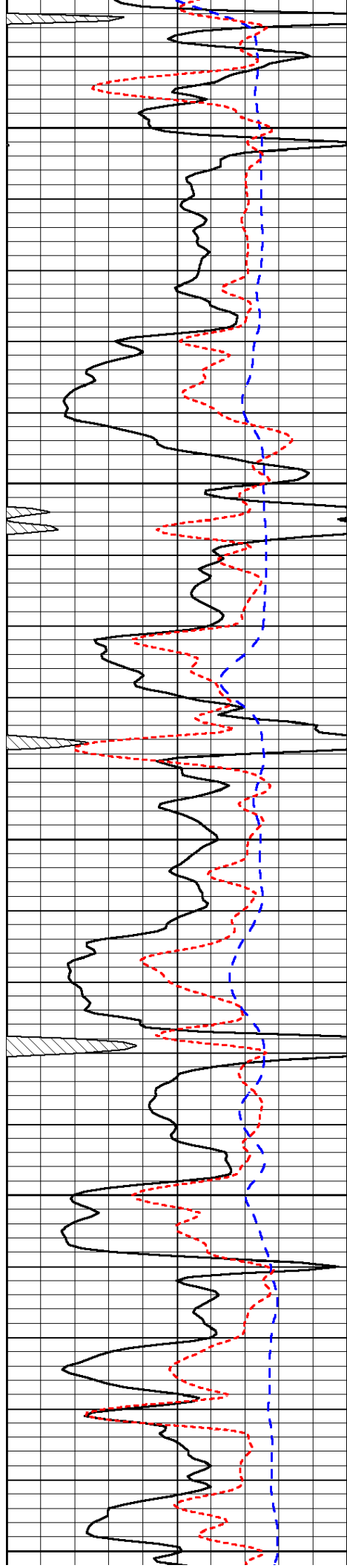


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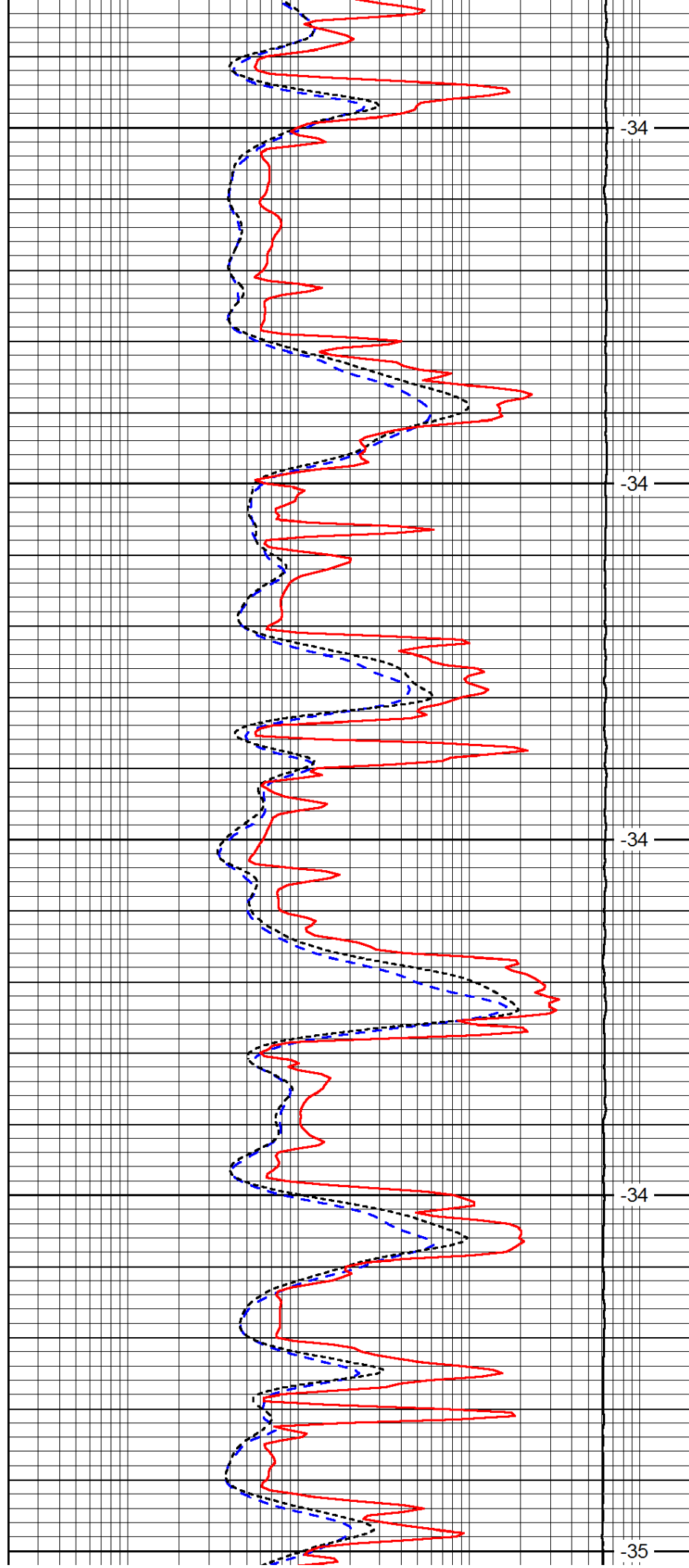
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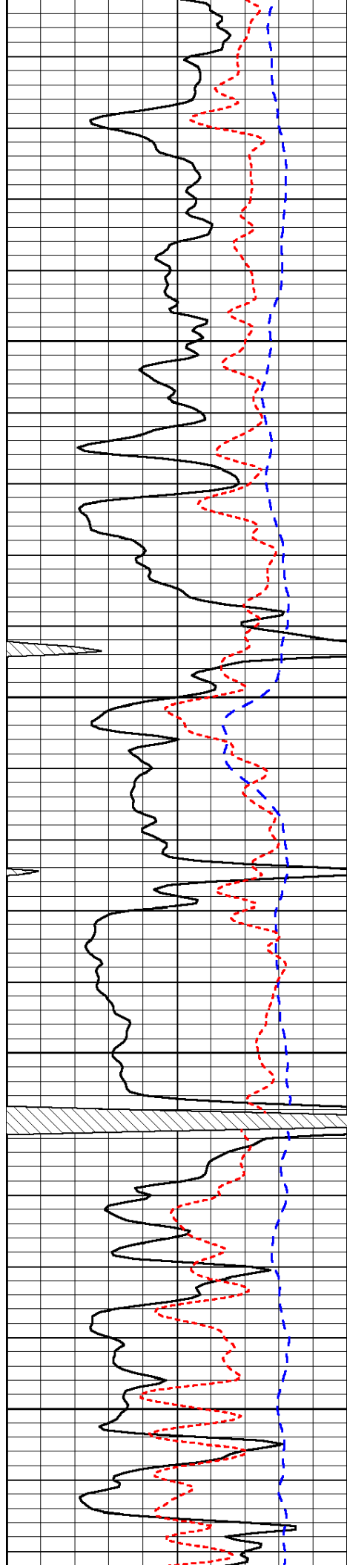
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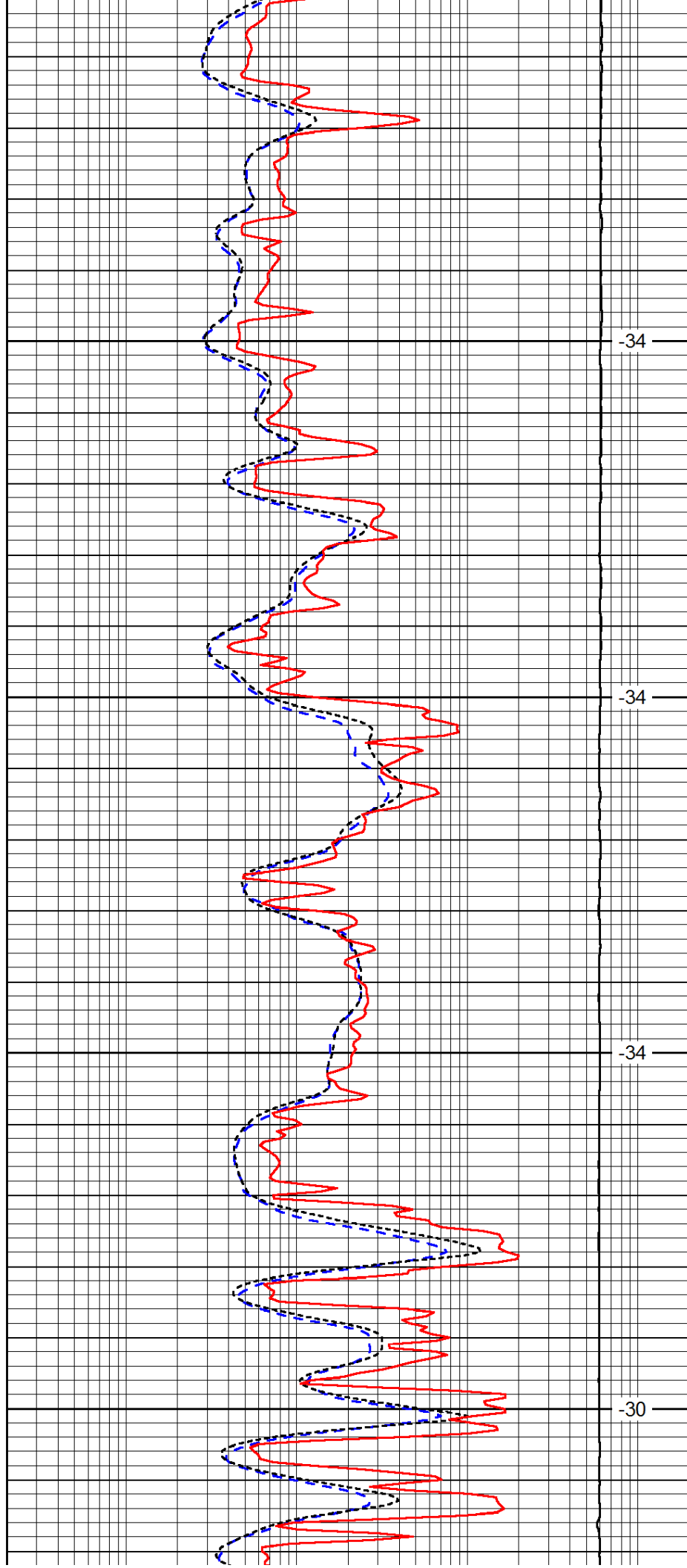


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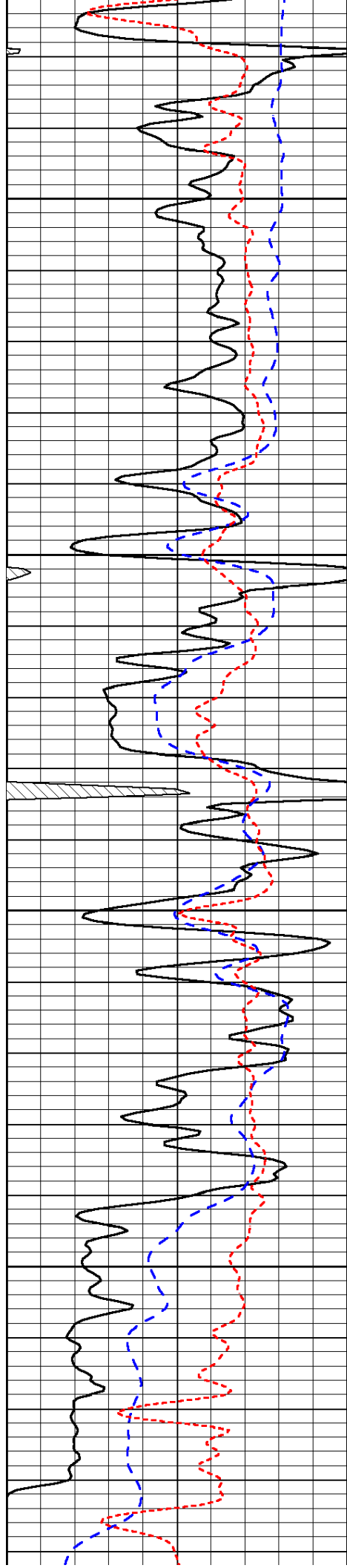


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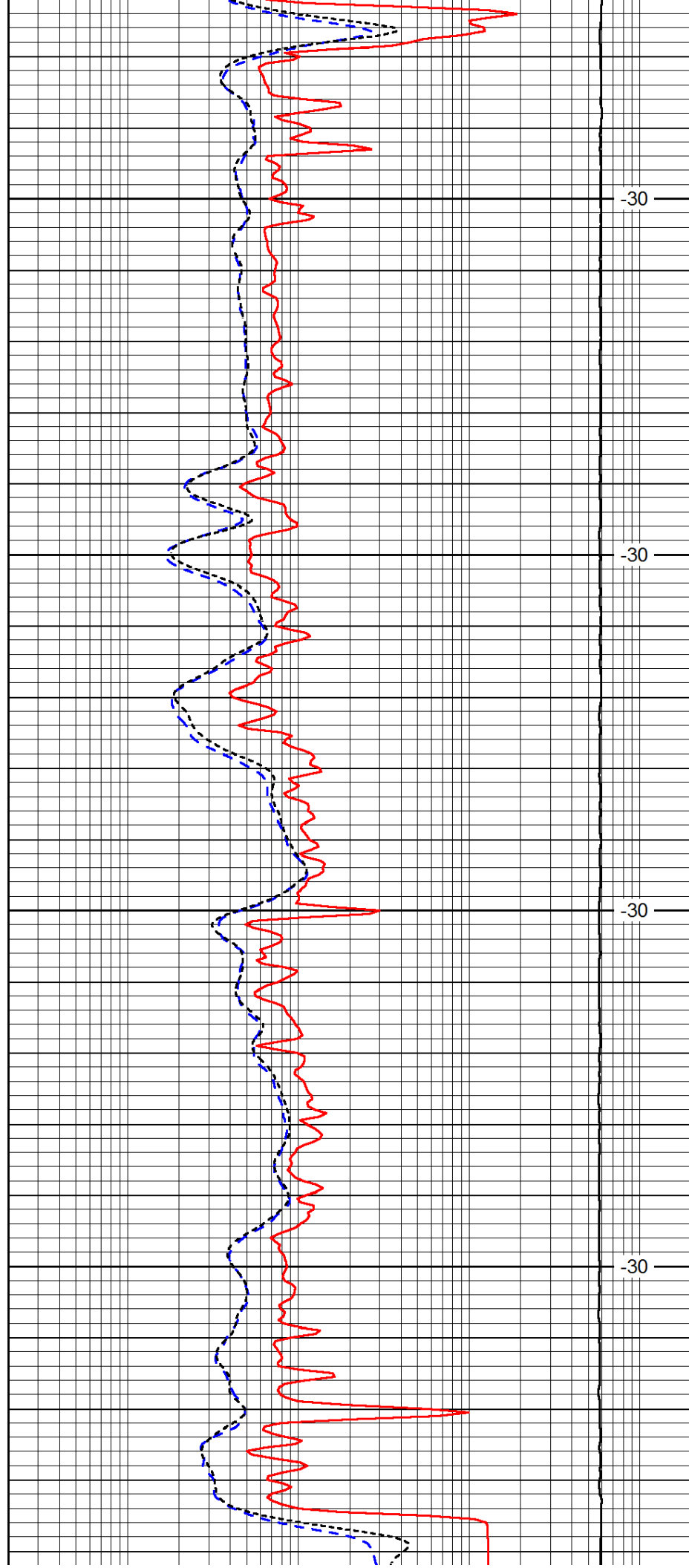


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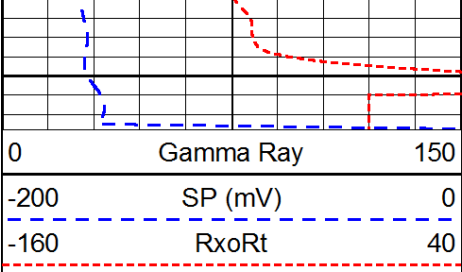


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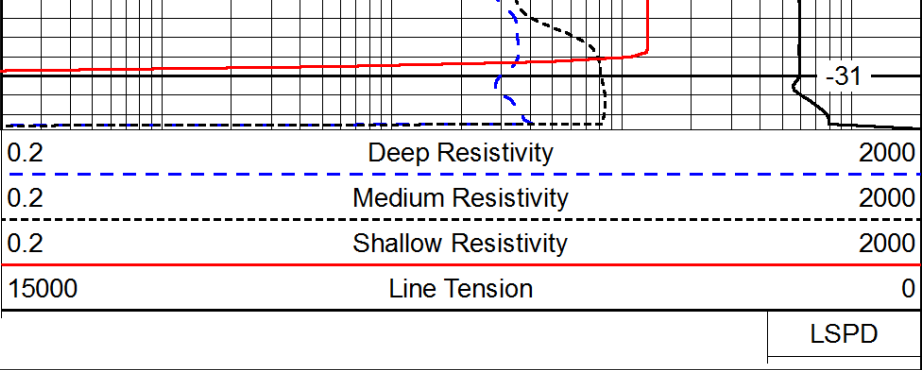
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4950



LSPD