

LOG-TECH



Dual Induction Log

DIGITAL LOG

(785) 625-3858

API No. API 15-033-21,550-00-00

Company Murfin Drilling Company, Inc.

Well Shrauner "A" No. 1-33

Field Wildcat

County Comanche State Kansas

Location 1,200' FSL & 350' FWL

Sec: 33 Twp: 32S Rge: 20W

Other Services
CNL/CDL
MEL/BHCS

Permanent Datum Ground Level Elevation 1849

Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing K.B. 1860
D.F. 1849
G.L. 1849

Date 3/25/2009

Run Number One

Depth Driller 5300

Depth Logger 5295

Bottom Logged Interval 5294

Top Log Interval 0

Casing Driller 8.625 @ 620

Casing Logger

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 8500

Density / Viscosity 9.2 46

pH / Fluid Loss 9.5 9.2

Source of Sample Flowline

Rm @ Meas. Temp .5 @ 57

Rmf @ Meas. Temp .38 @ 57

Rmc @ Meas. Temp .68 @ 57

Source of Rmf / Rmc Charts

Rm @ BHT .22 @ 131

Operating Rig Time 5 Hours

Max Rec. Temp. F 131

Equipment Number 17

Location Hays

Recorded By J. Long

Witnessed By Jeff Christian

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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

Protection, Walnut St., 1/4 W, 1/4 N, 1/4 W, 1/4 N, 1/2 W, S Into

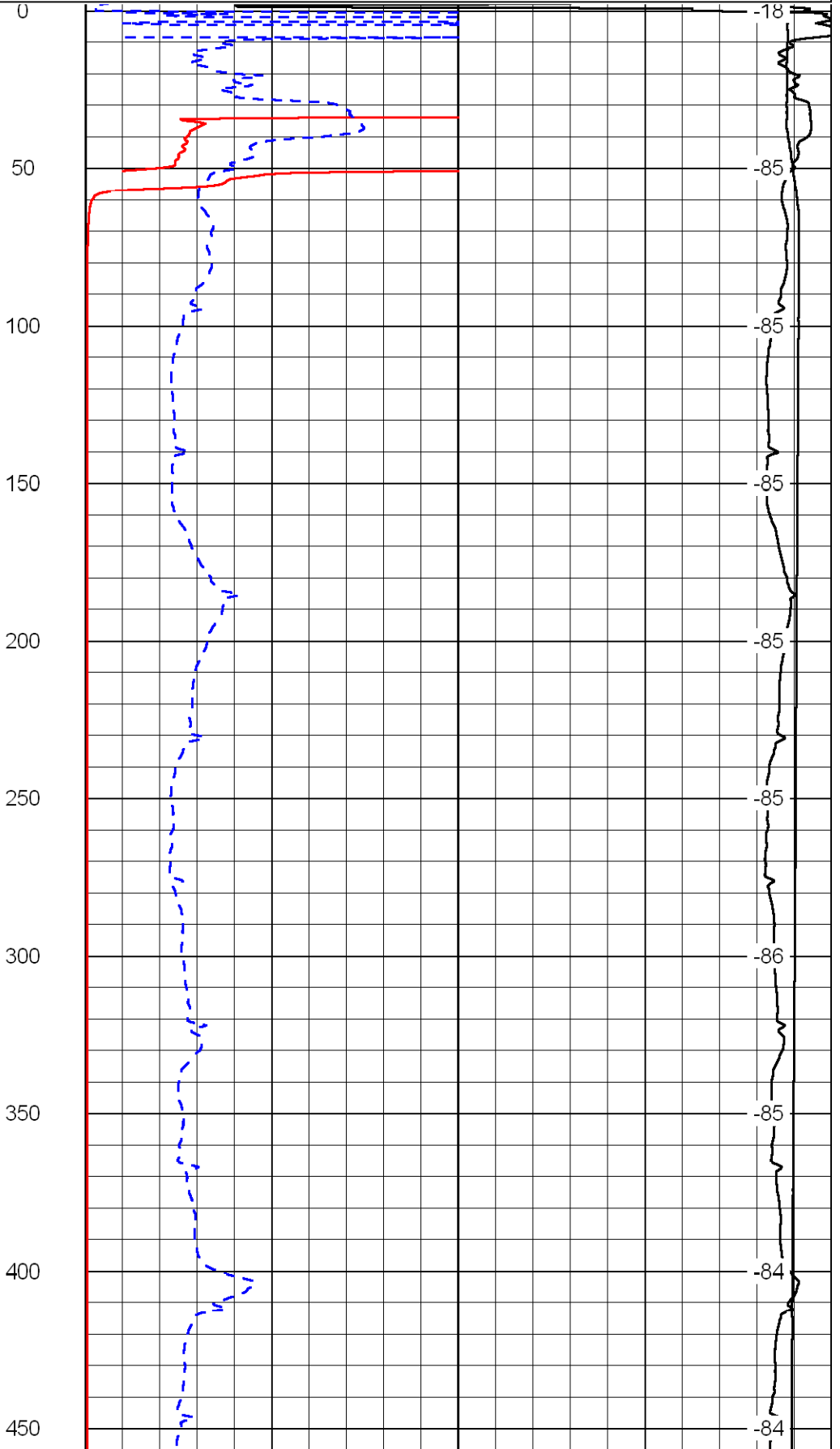
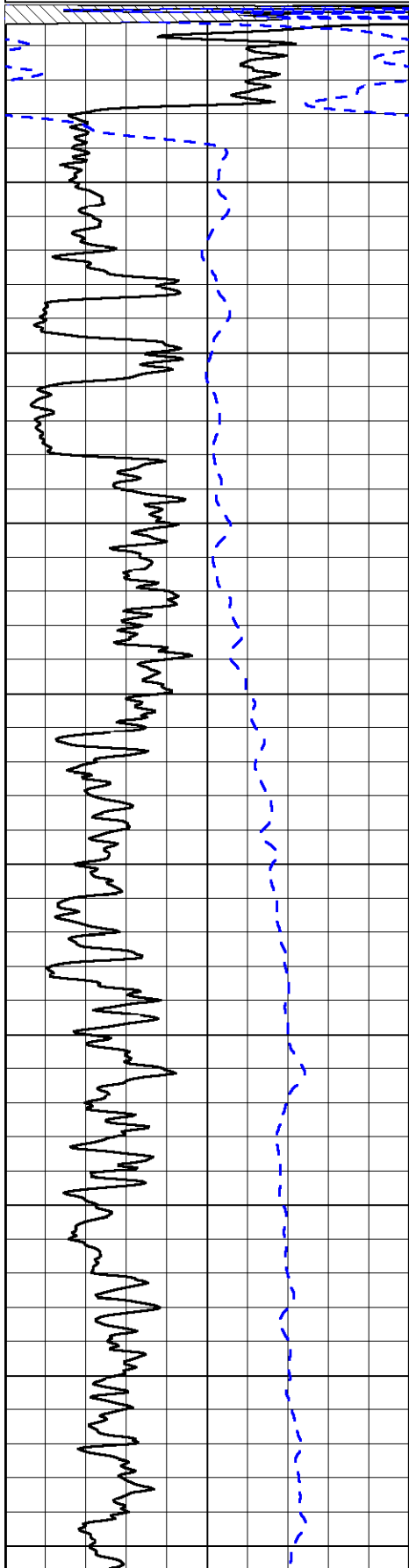
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Presentation Format: dil2in
Dataset Creation: Wed Mar 25 22:04:20 2009
Charted by: Depth in Feet scaled 1:600

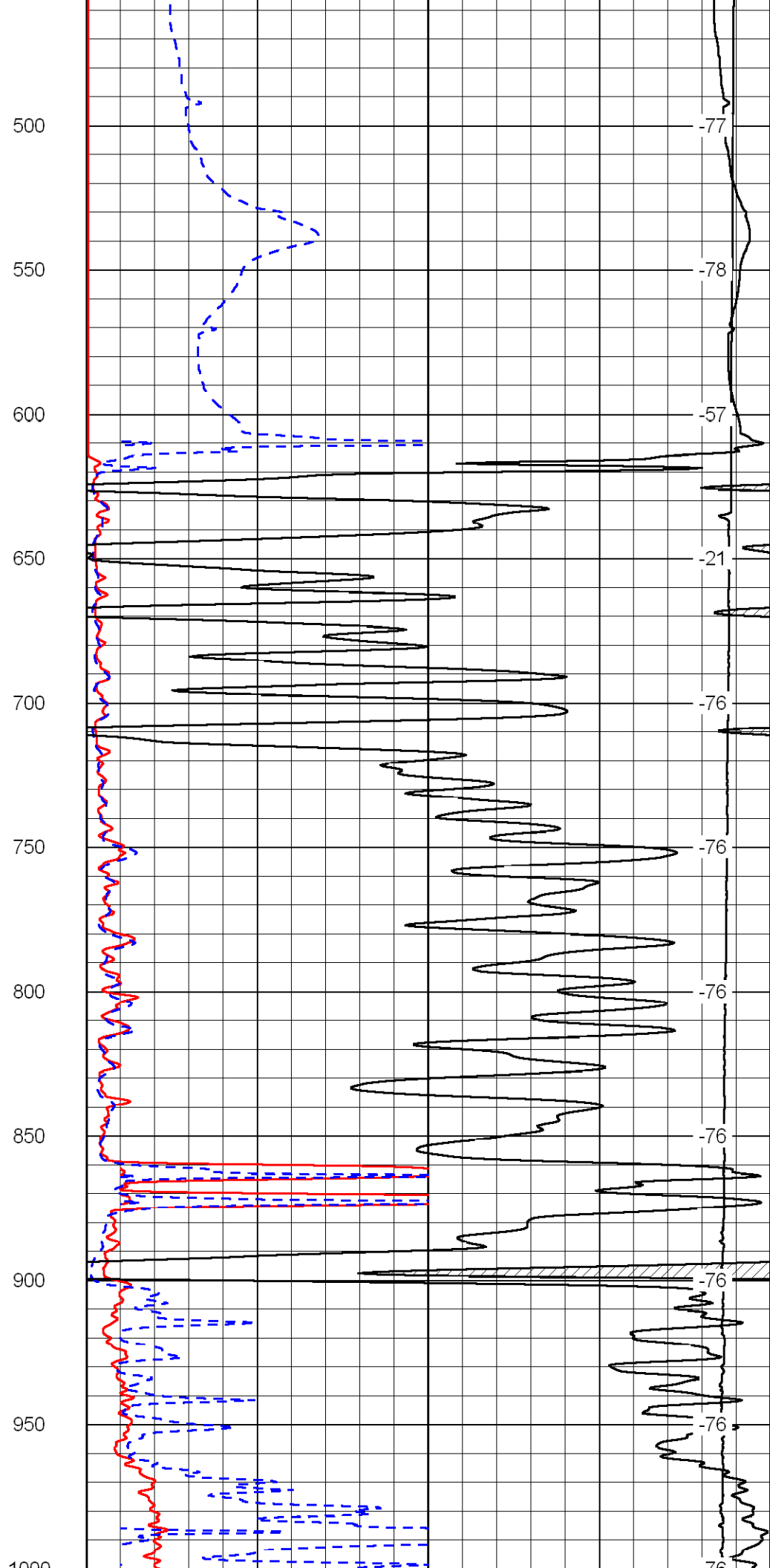
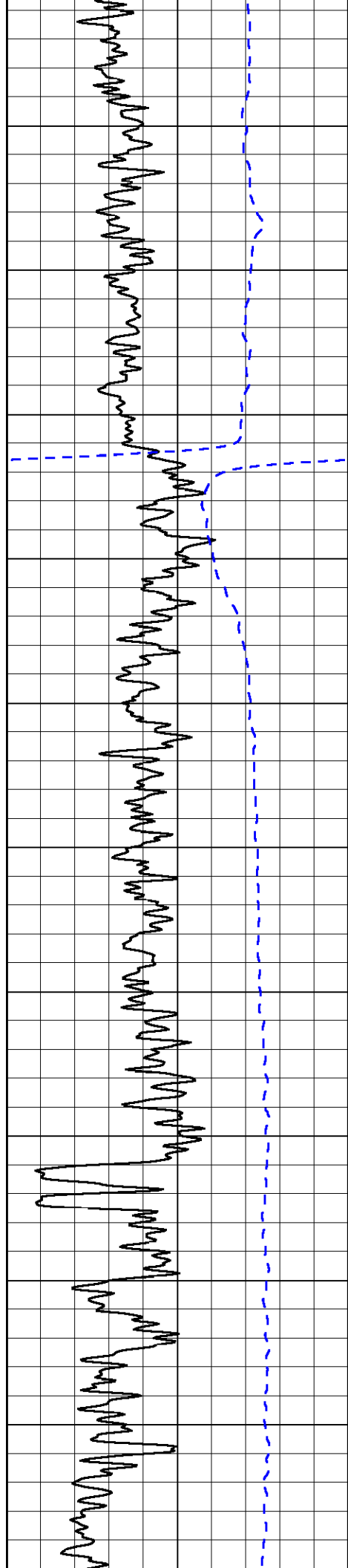
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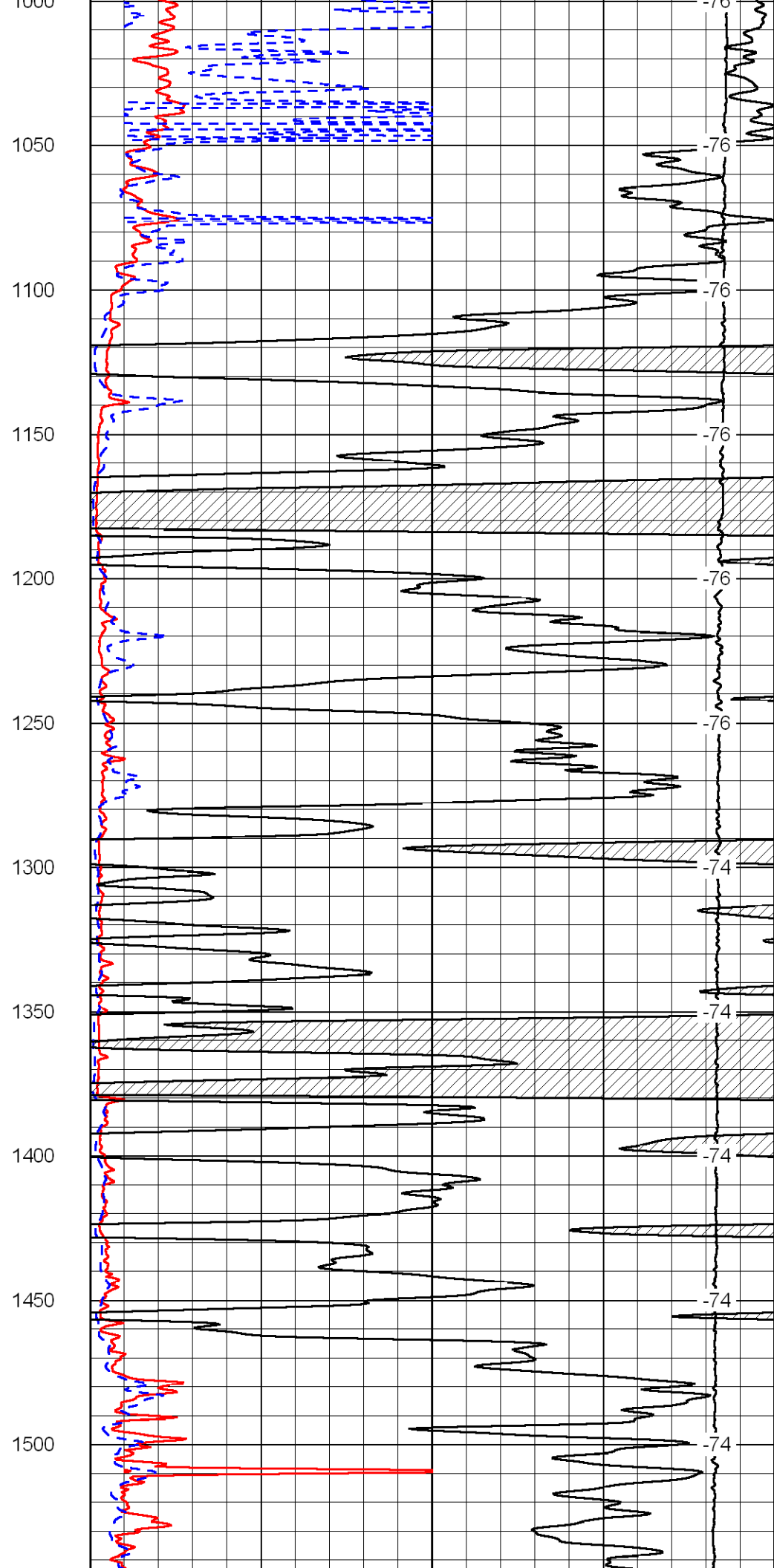
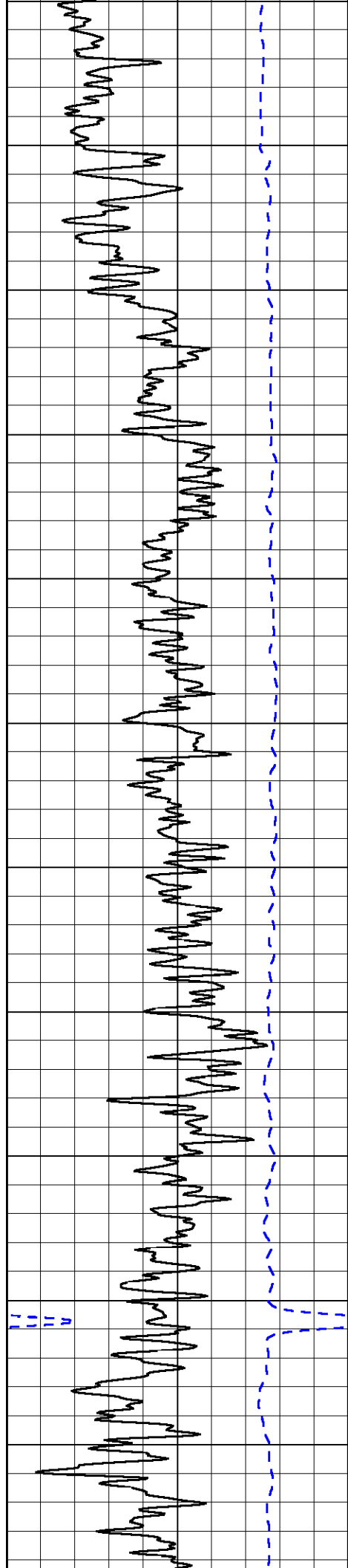
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1000	Conductivity (mmho/m)	0
15000	Line Tension (lb)	0

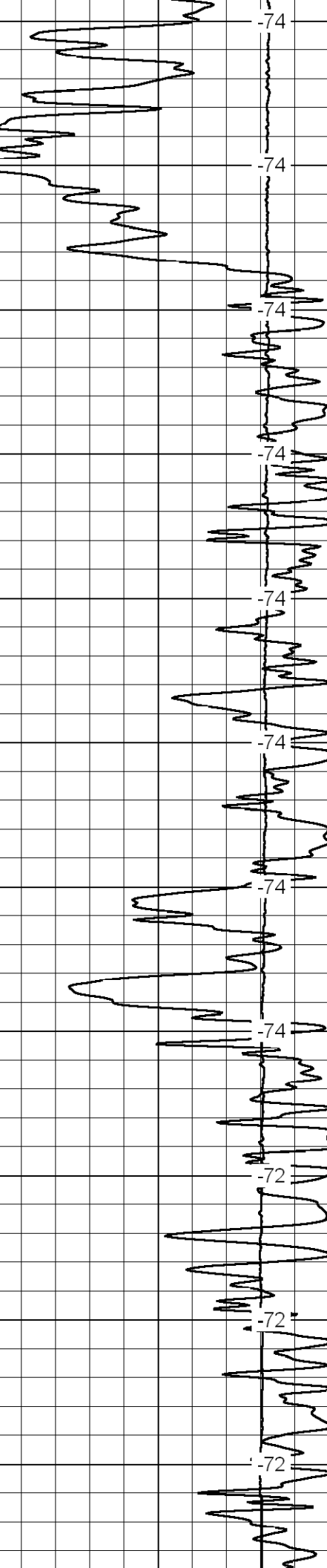
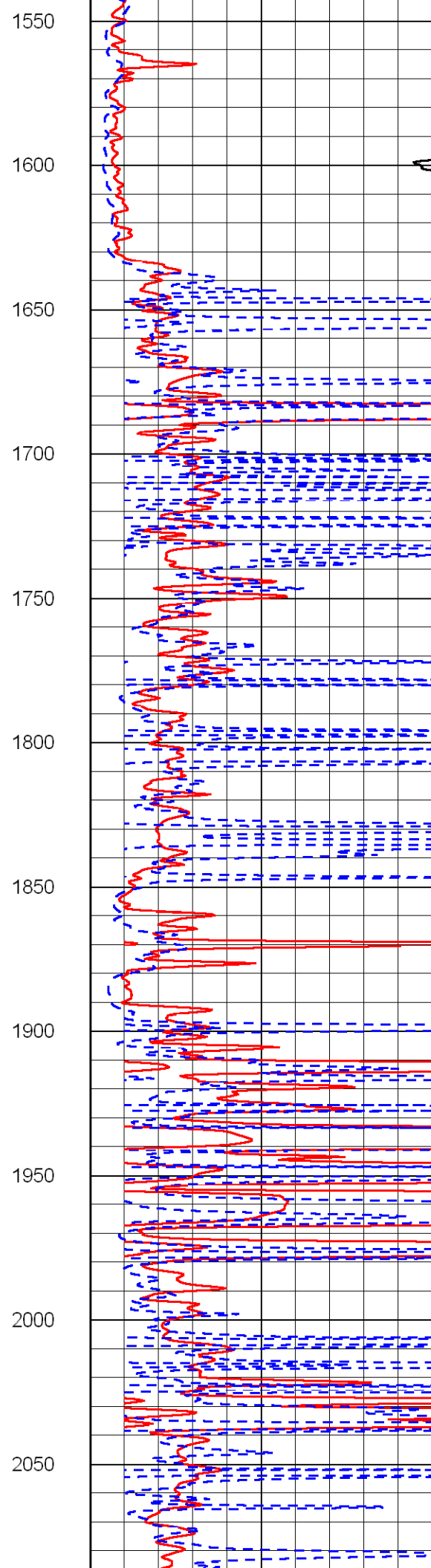
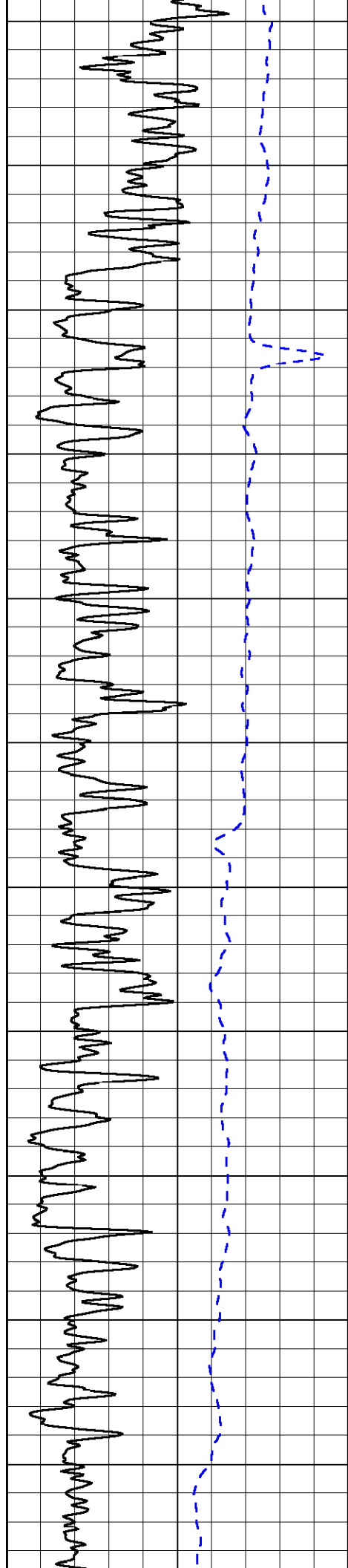
LSPD
(ft/min)

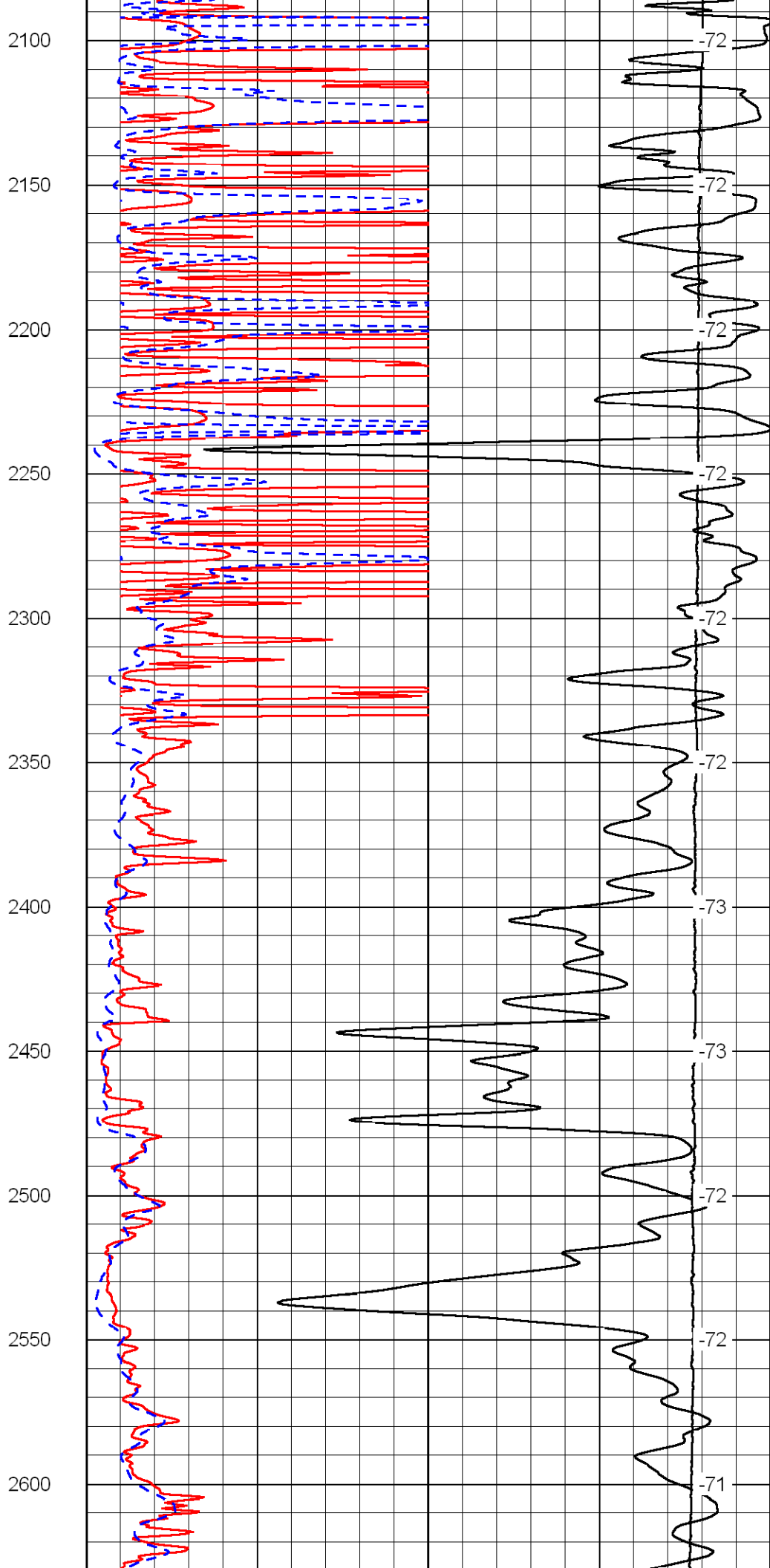
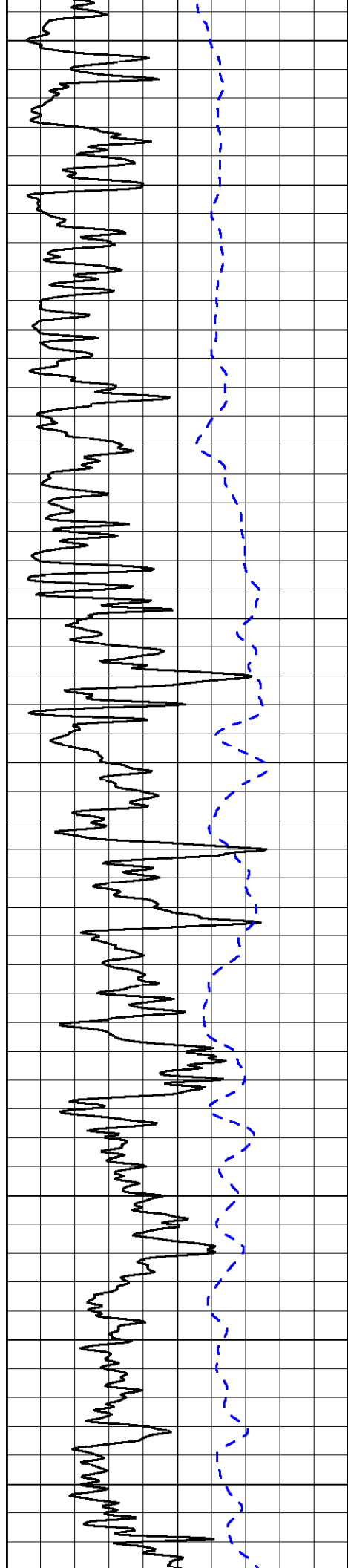
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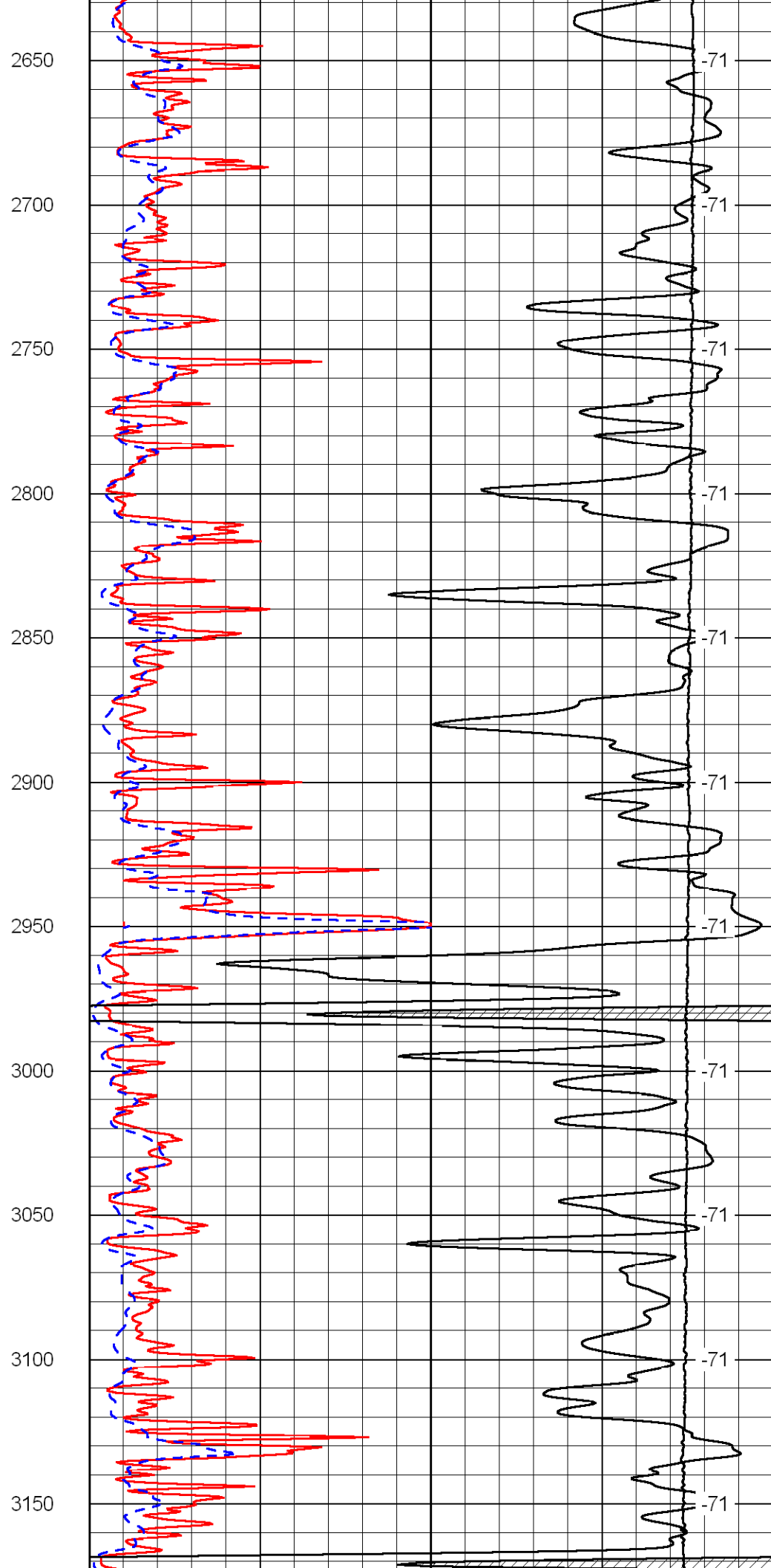
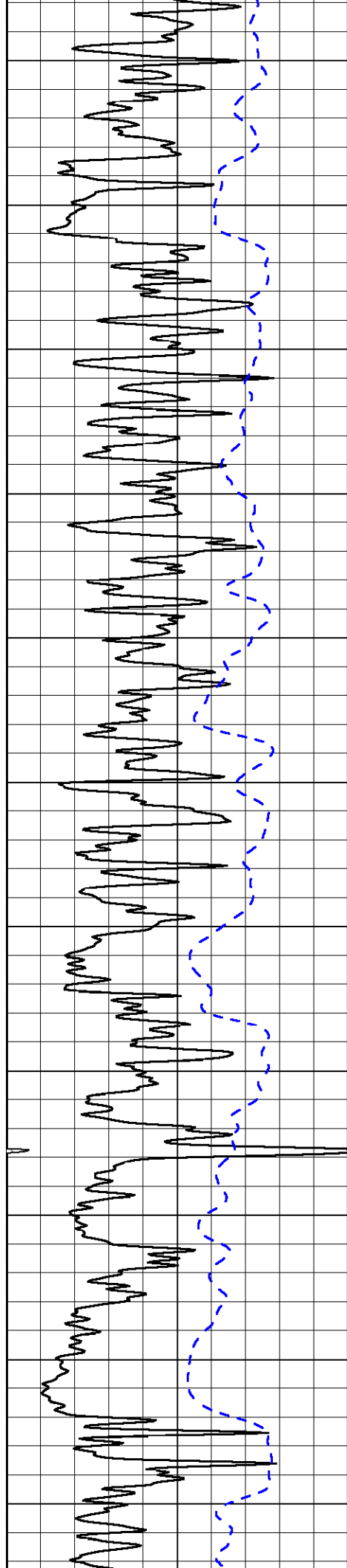


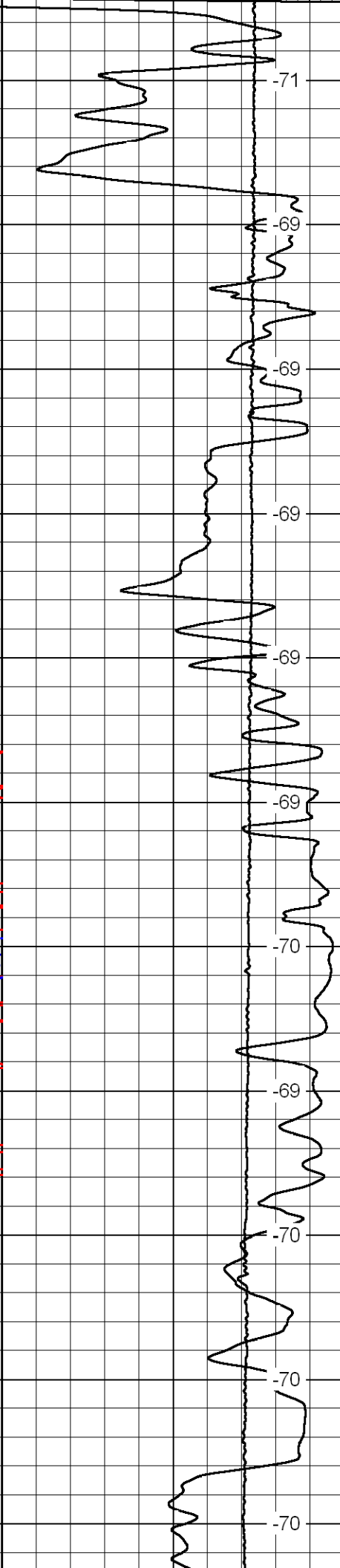
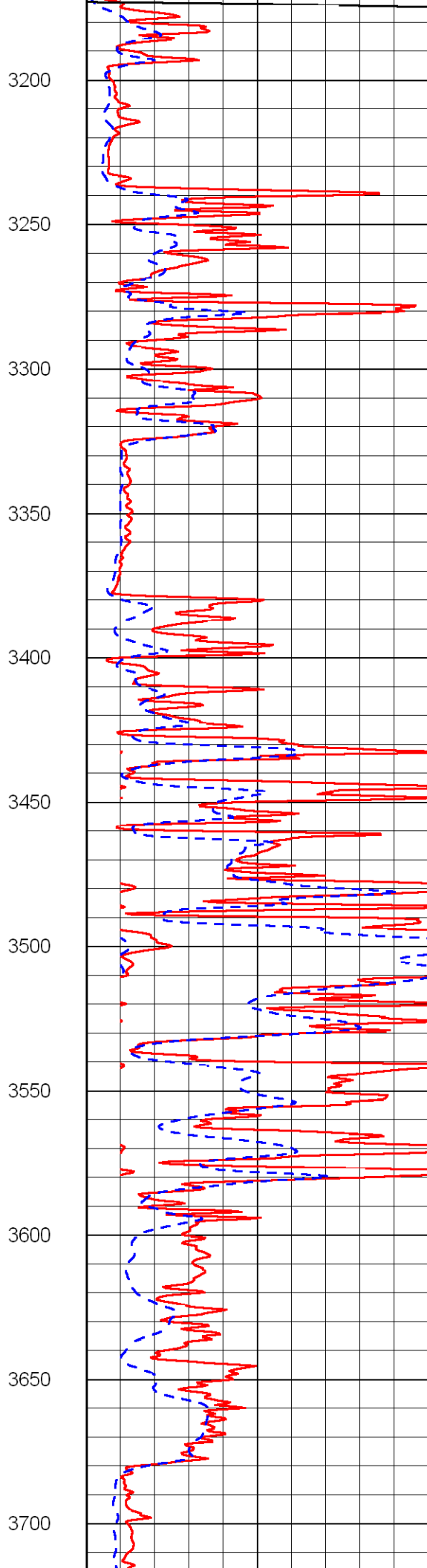
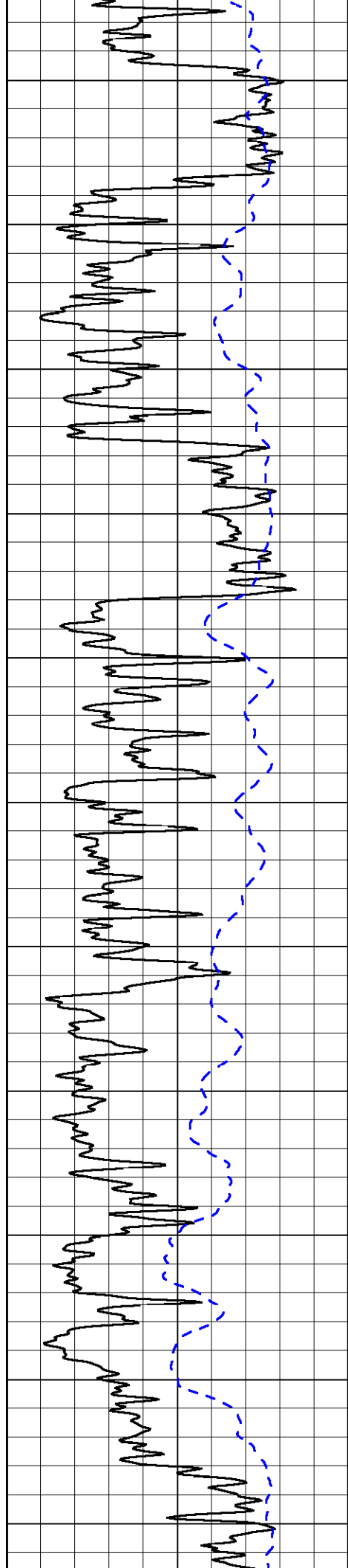


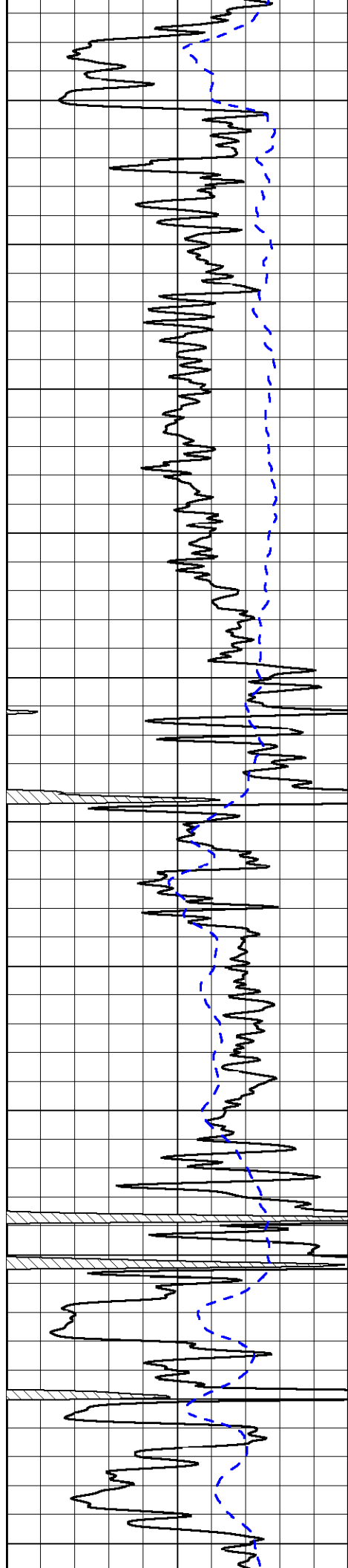












3750

3800

3850

3900

3950

4000

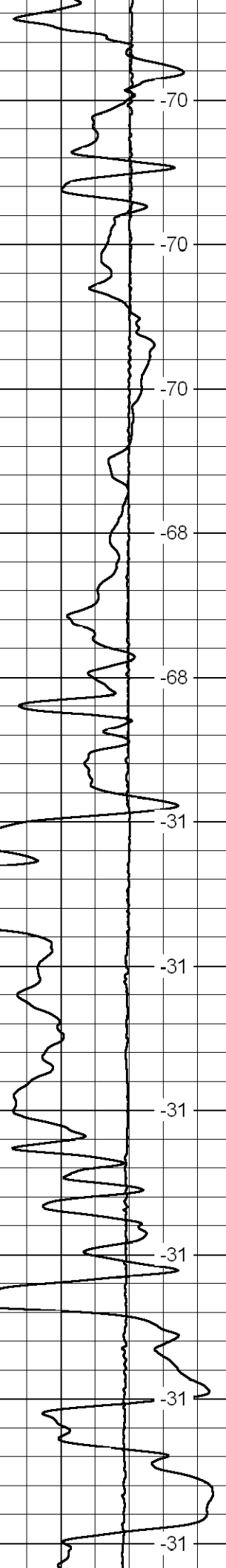
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4100

4150

4200

4250



-70

-70

-70

-68

-68

-31

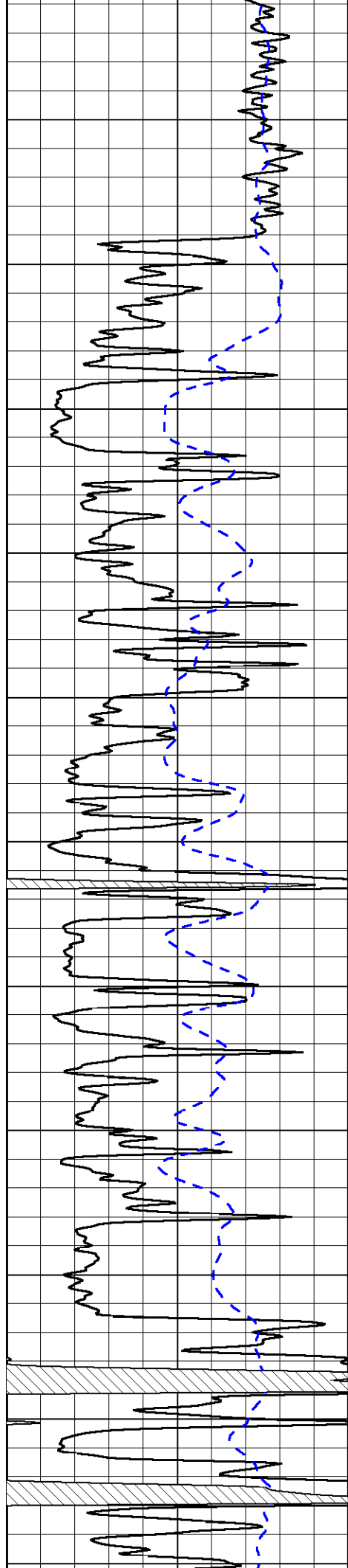
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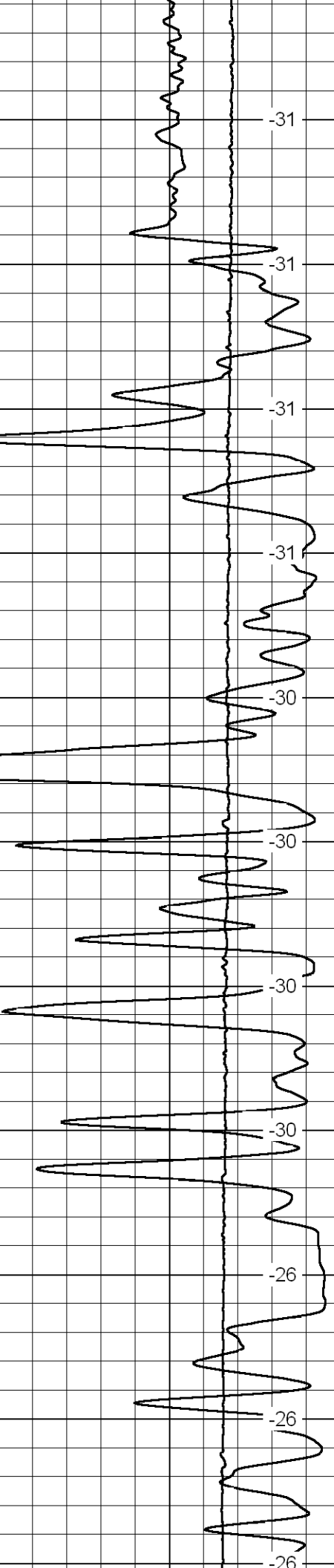
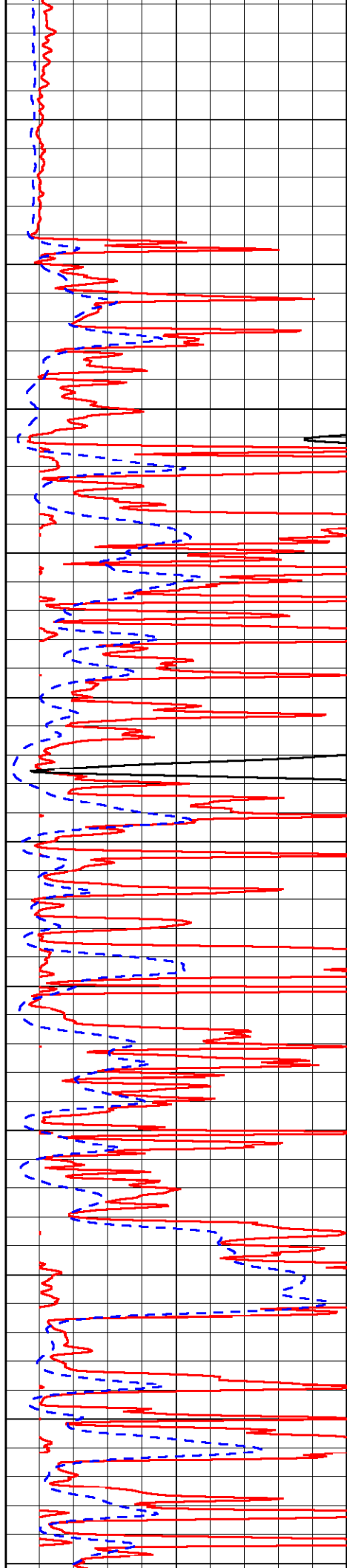
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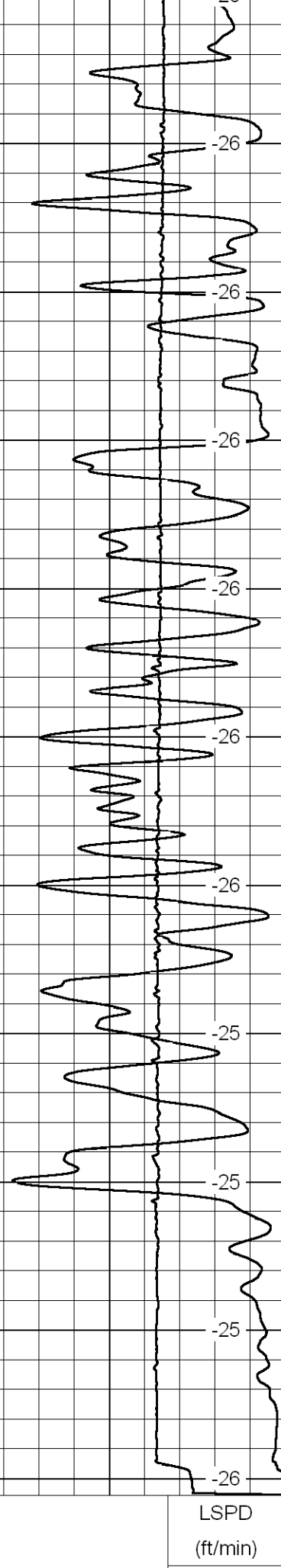
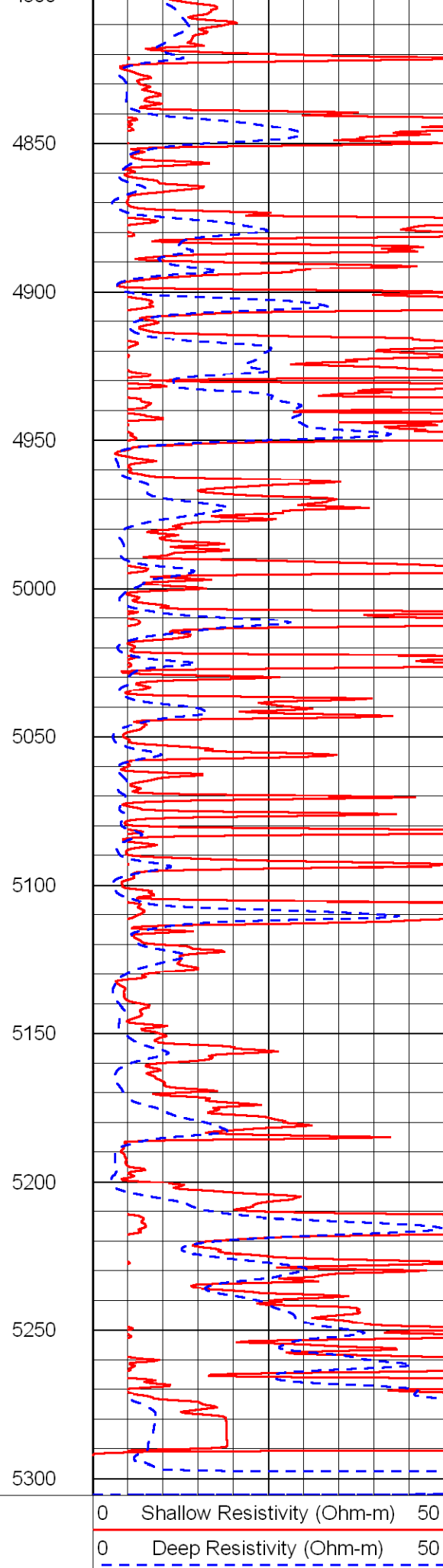
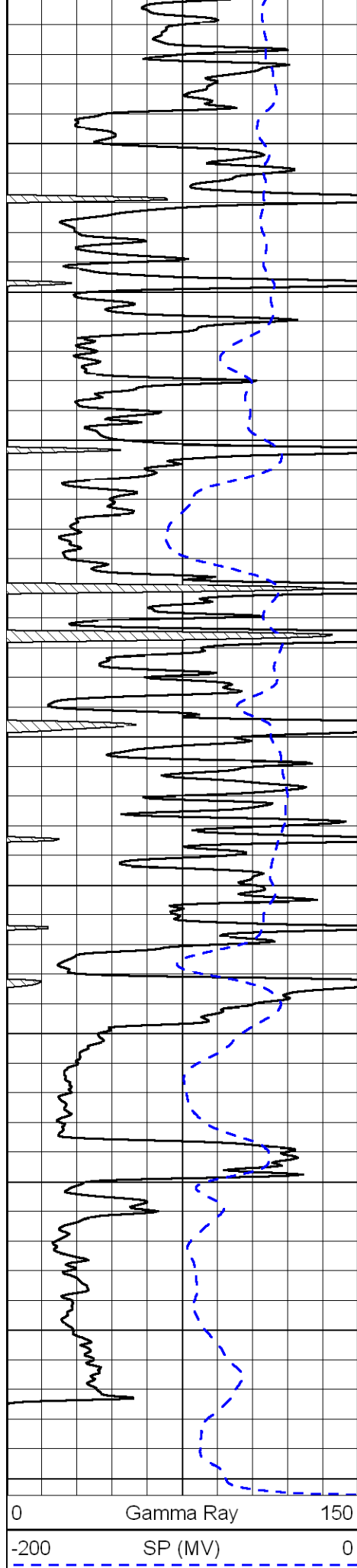
-31

-31



4300
4350
4400
4450
4500
4550
4600
4650
4700
4750
4800





0 Gamma Ray 150
-200 SP (MV) 0

0 Shallow Resistivity (Ohm-m) 50
0 Deep Resistivity (Ohm-m) 50

LSPD
(ft/min)

1000 Conductivity (mmho/m) 0

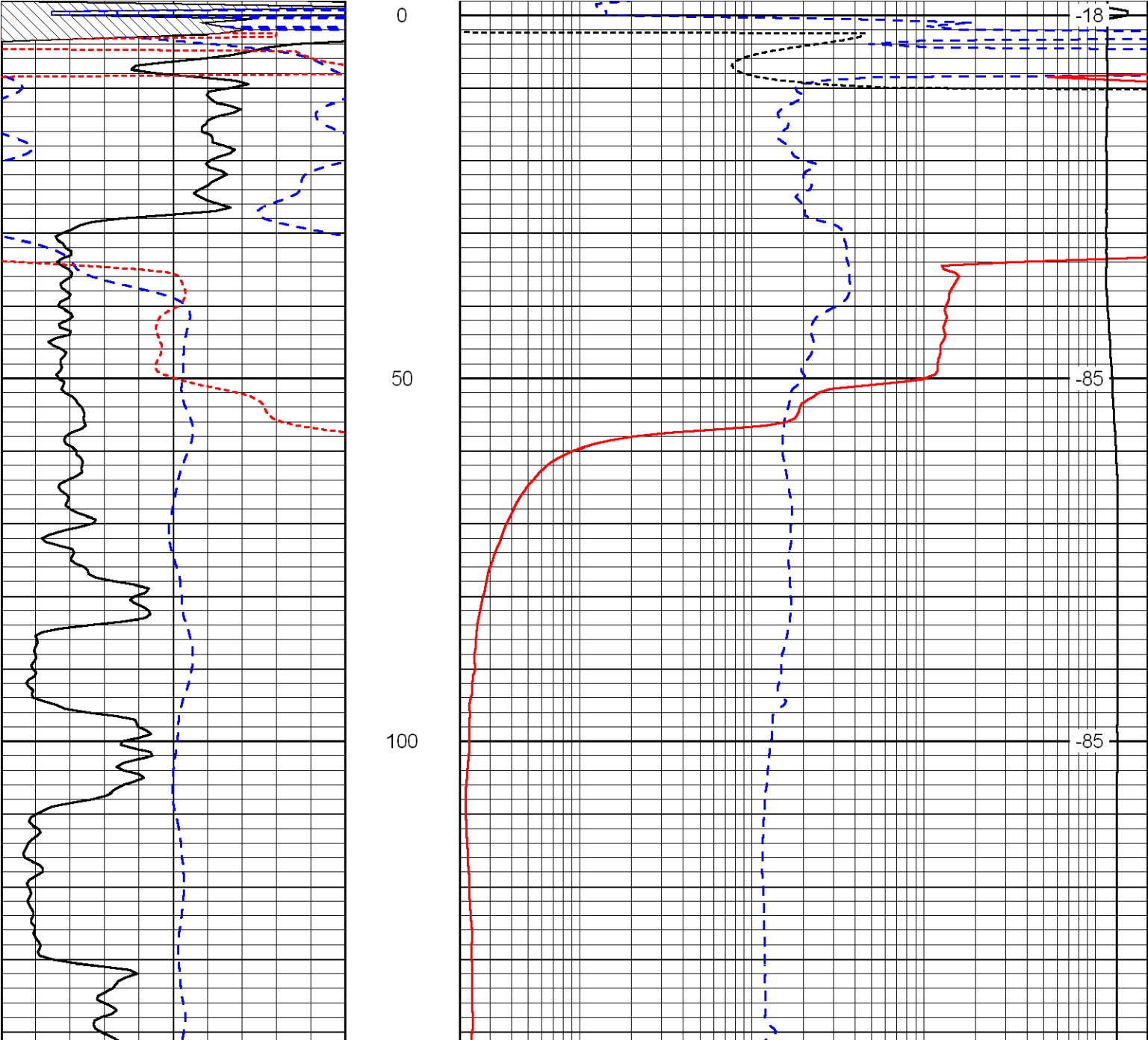
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Shallow Resistivity				
50	(Ohm-m)		500	
50	Deep Resistivity (Ohm-m)		500	

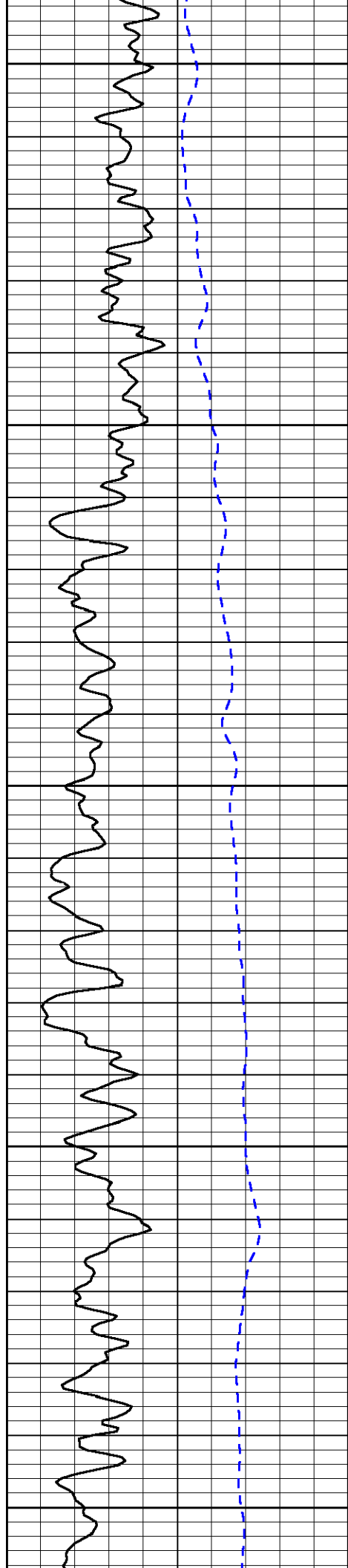
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Dataset Pathname:		dil/murfstck		
Presentation Format:		dil		
Dataset Creation:		Wed Mar 25 22:04:20 2009		
Charted by:		Depth in Feet scaled 1:240		

0	Gamma Ray	150
-200	SP (MV)	0
-160	Rxo / Rt	40

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
15000	Line Tension (lb)	0

LSPD
(ft/min)





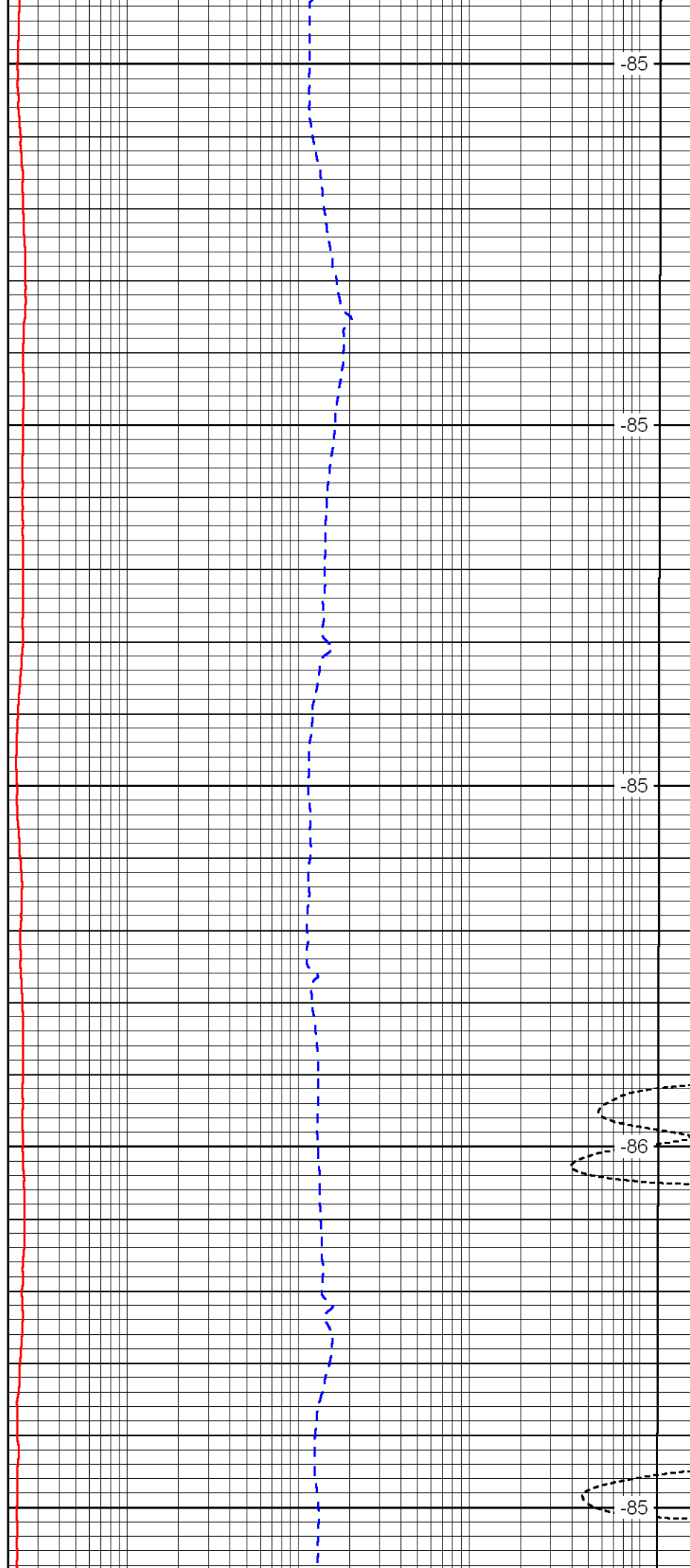
150

200

250

300

350



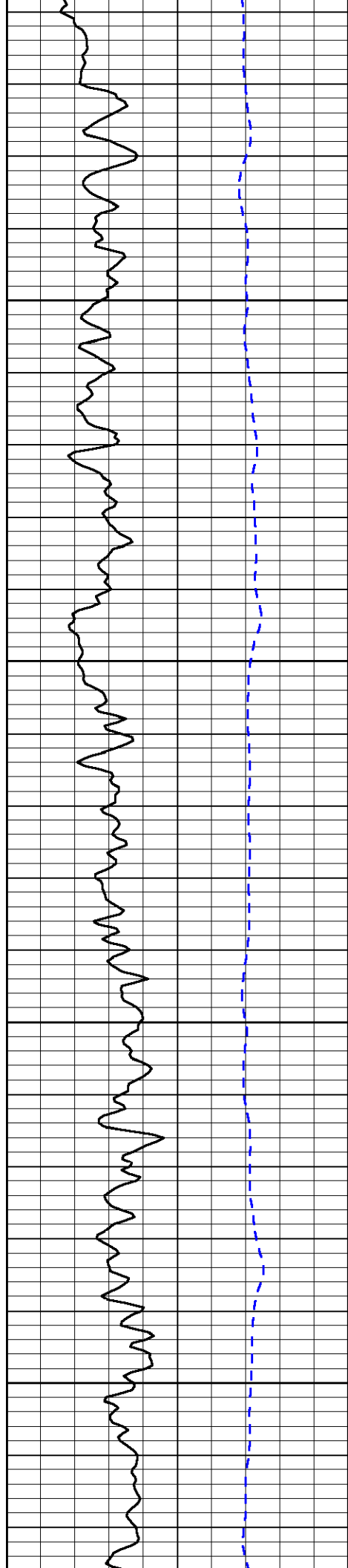
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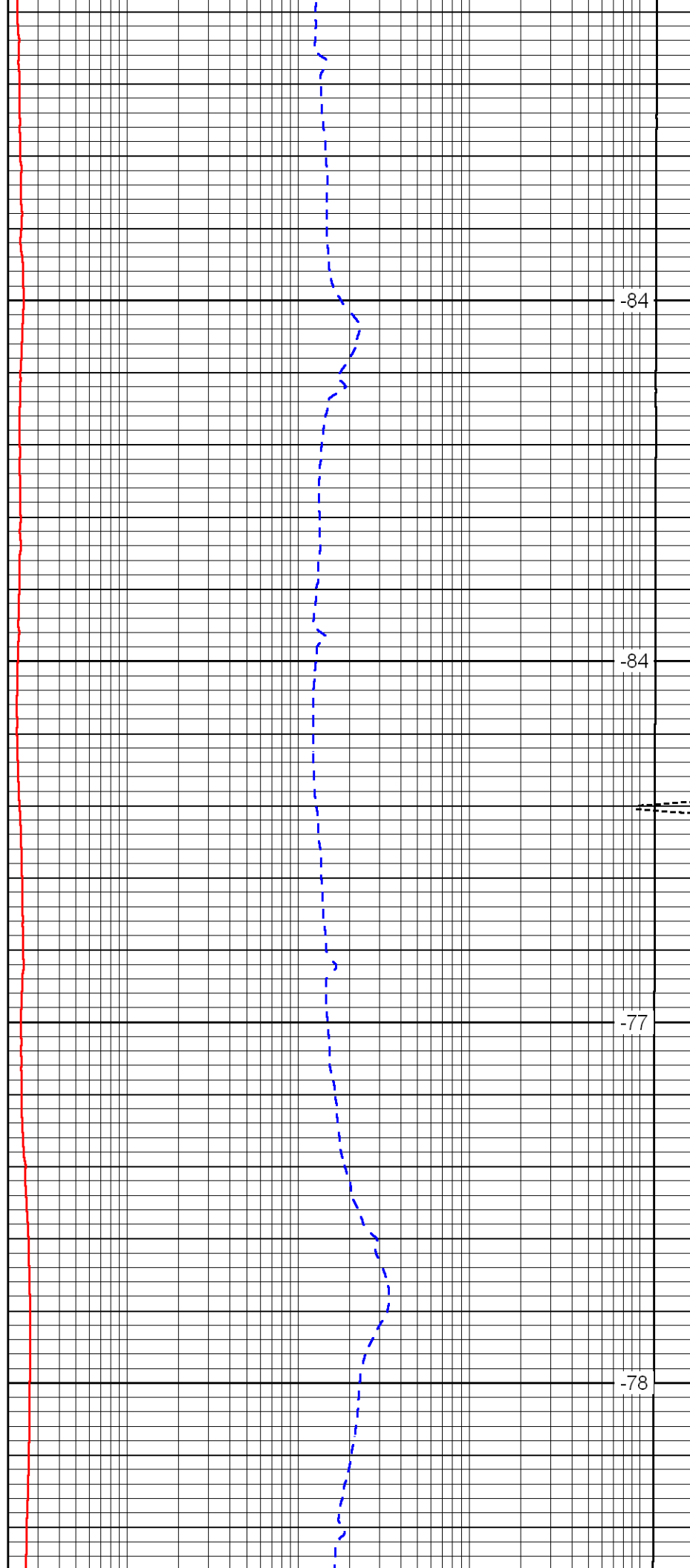


400

450

500

550

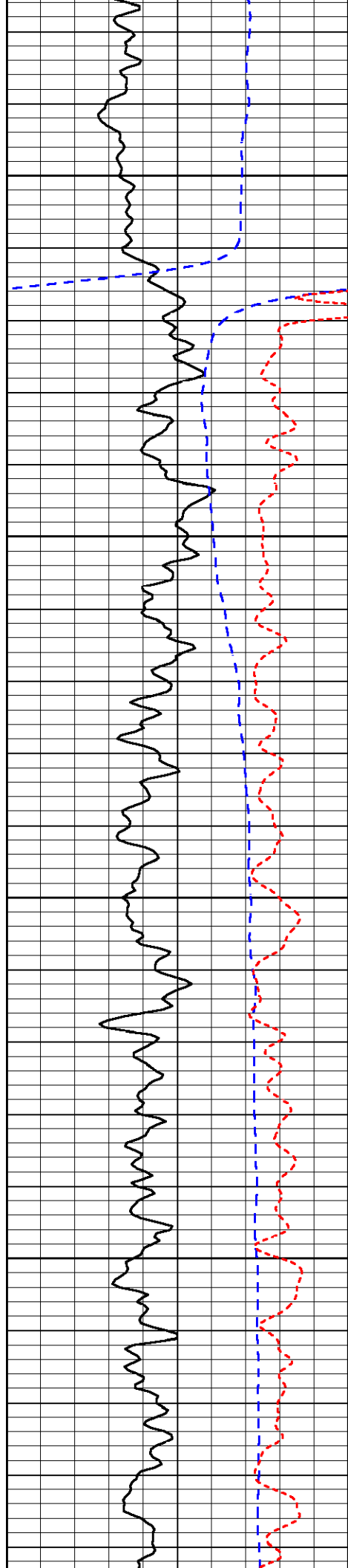


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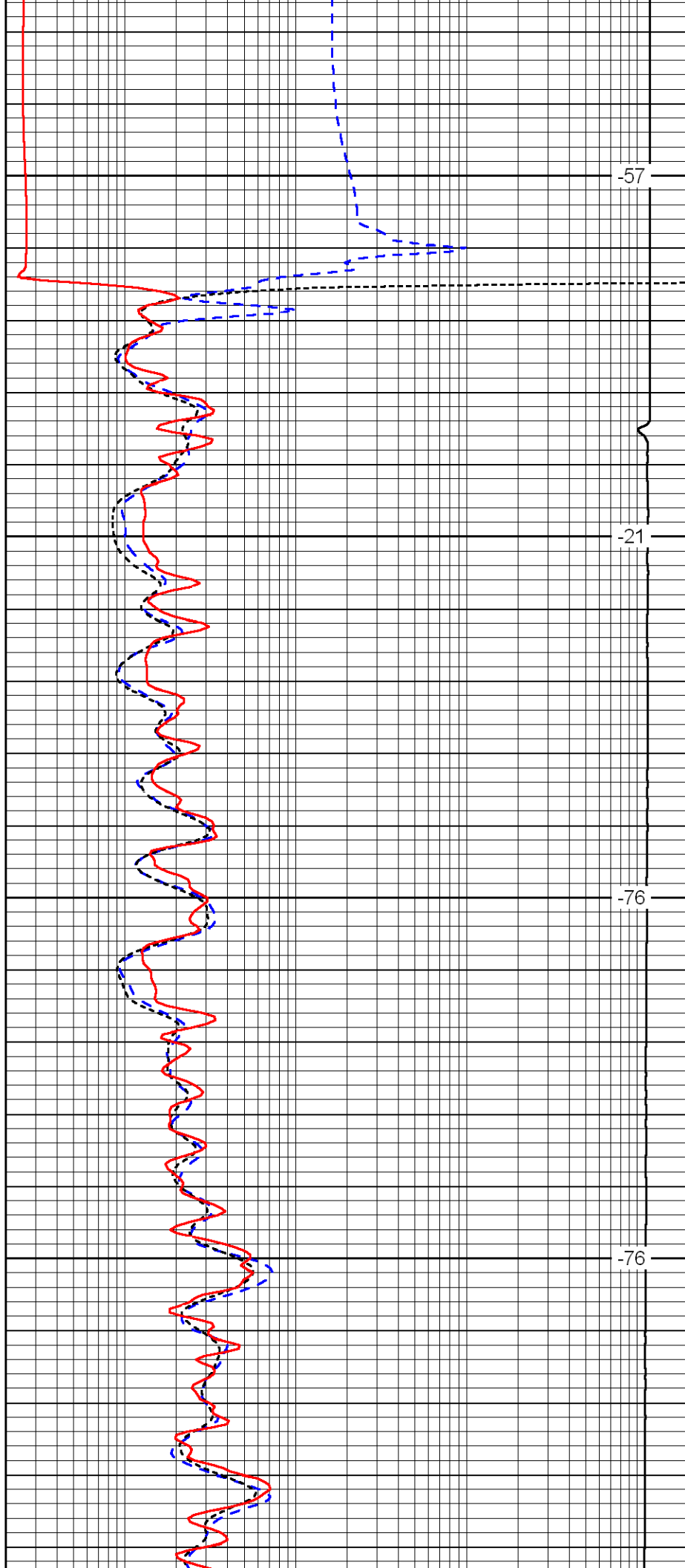


600

650

700

750

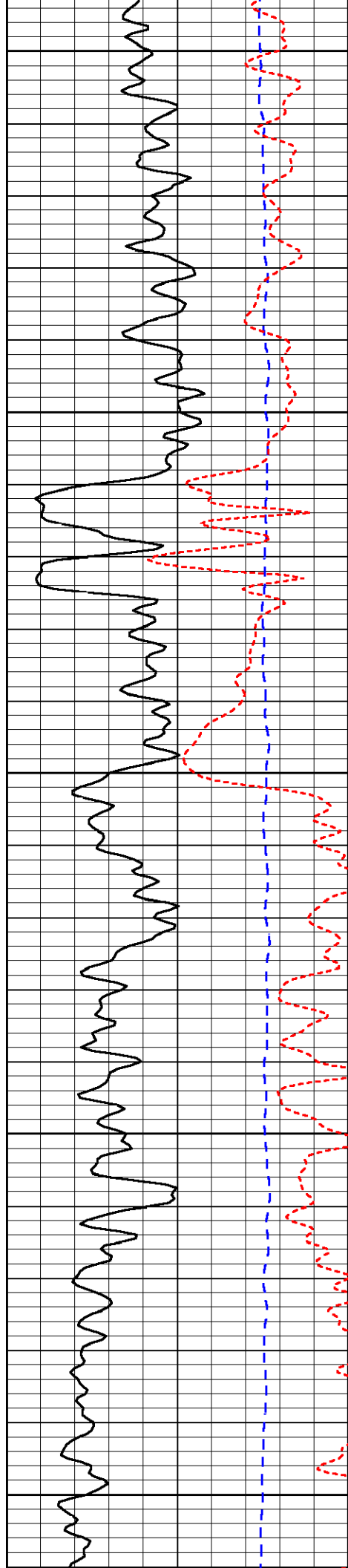


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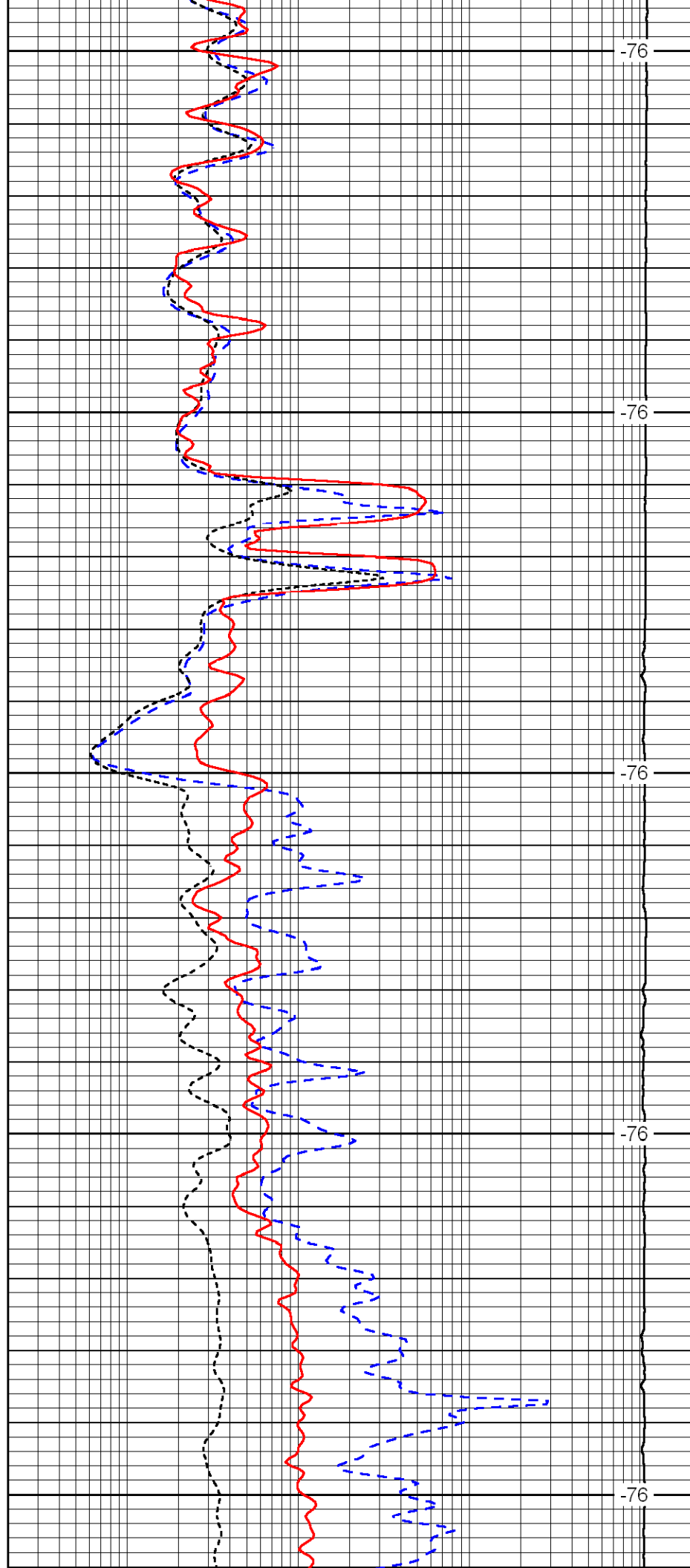
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850

900

950

1000



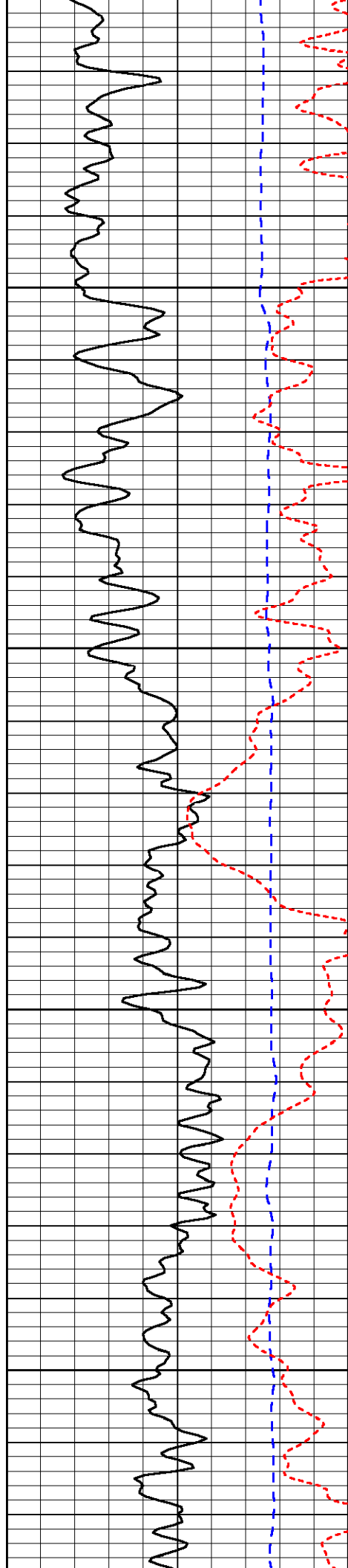
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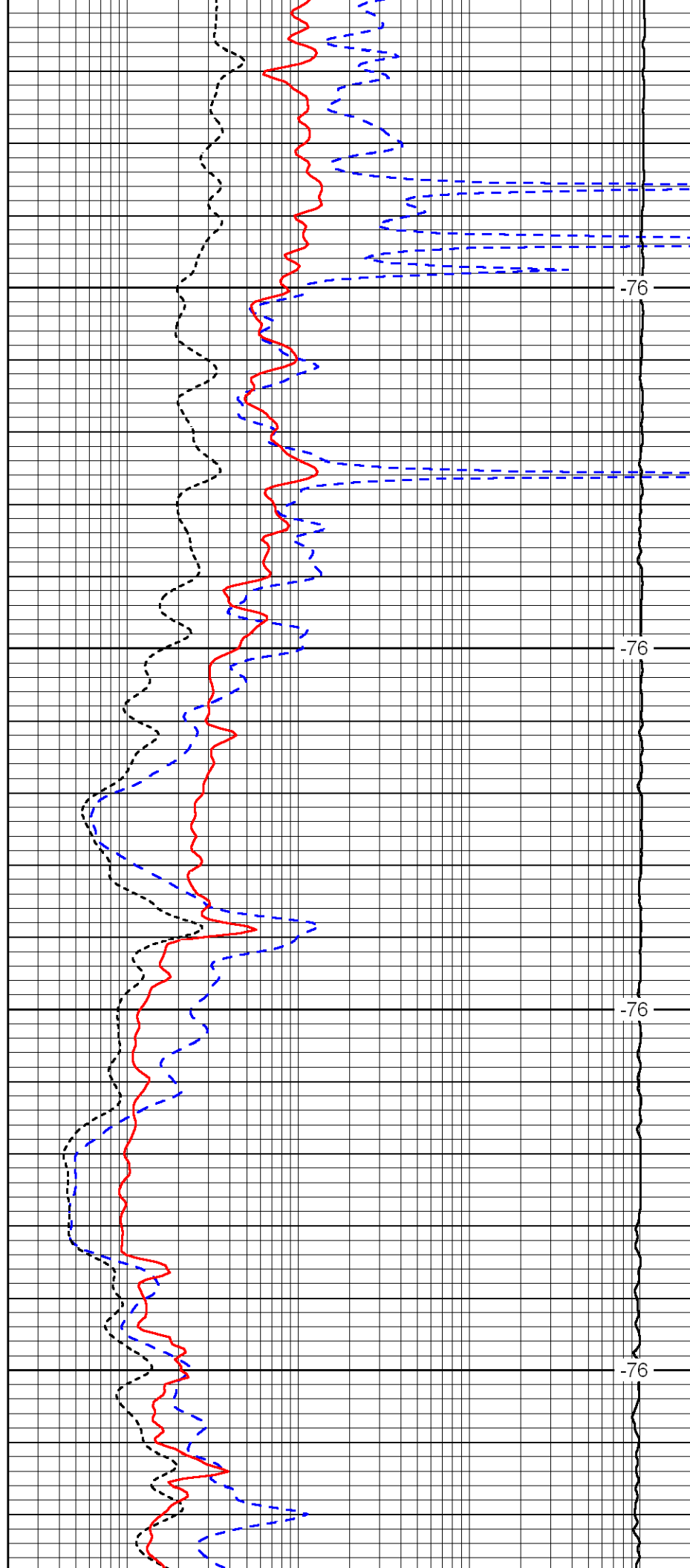


1050

1100

1150

1200

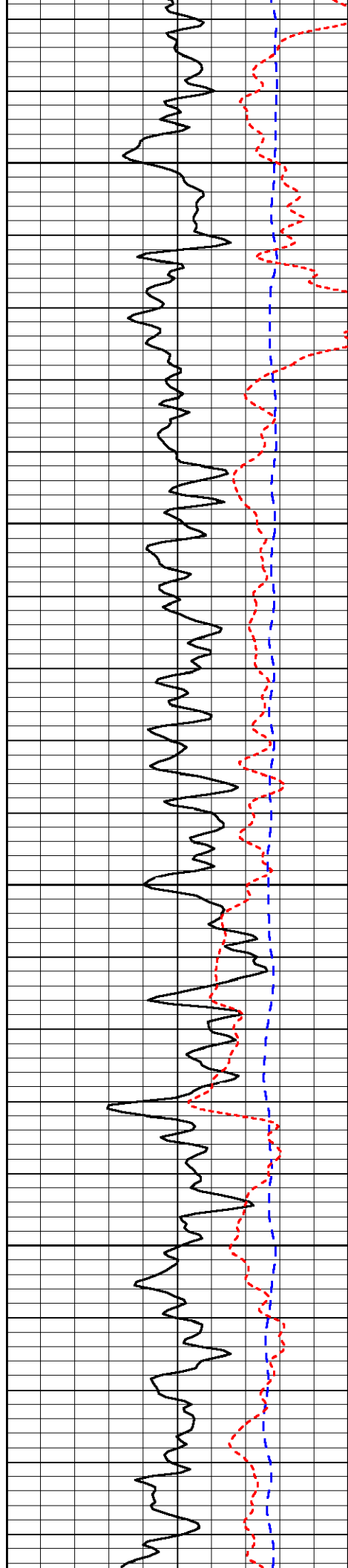


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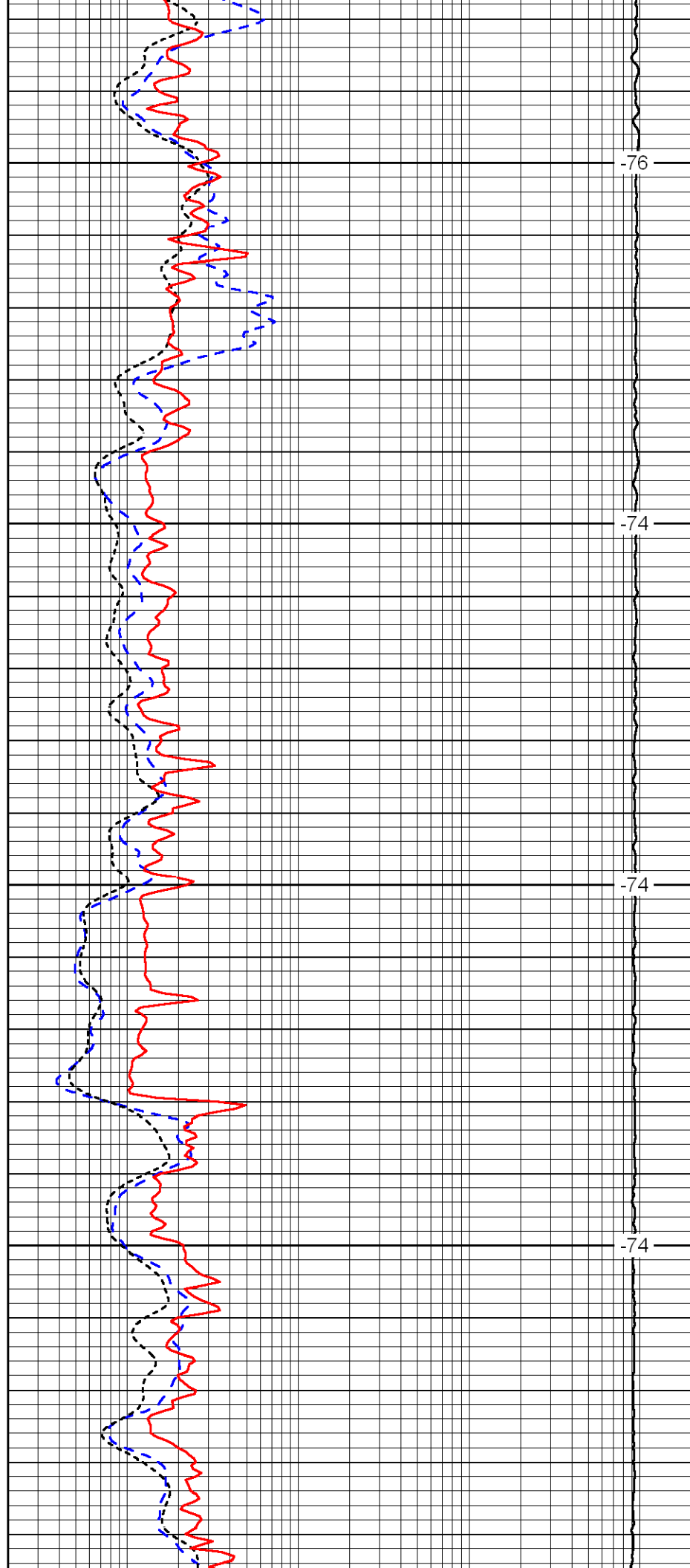


1250

1300

1350

1400

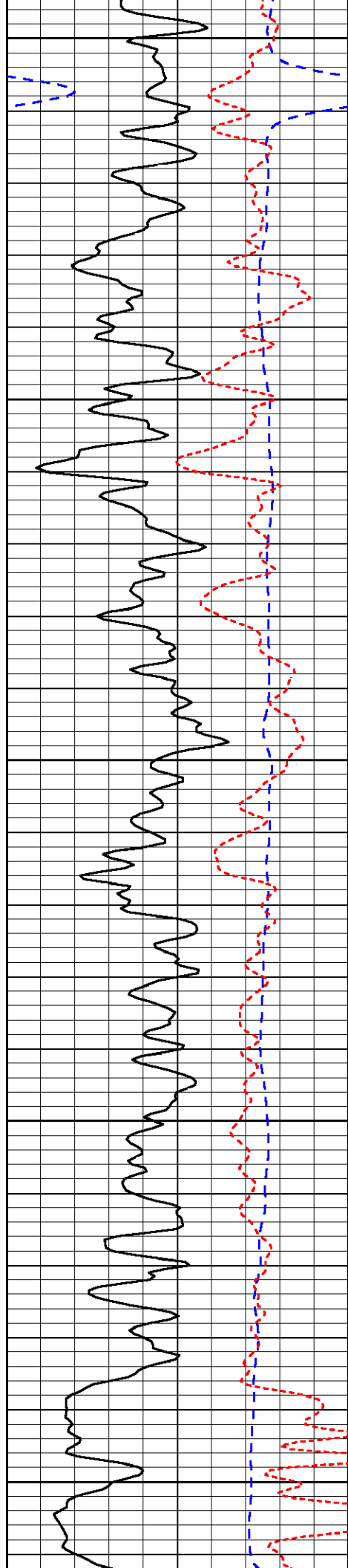


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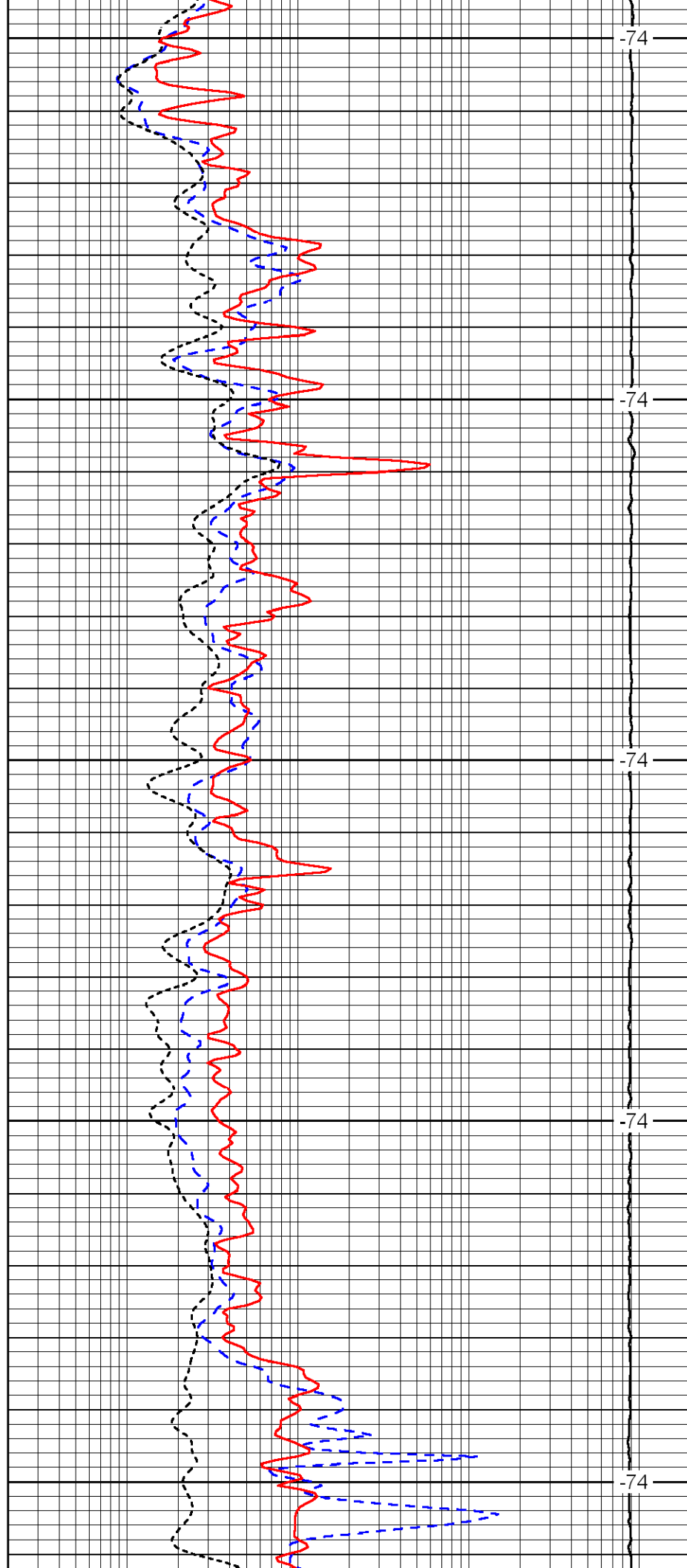
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1500

1550

1600

1650



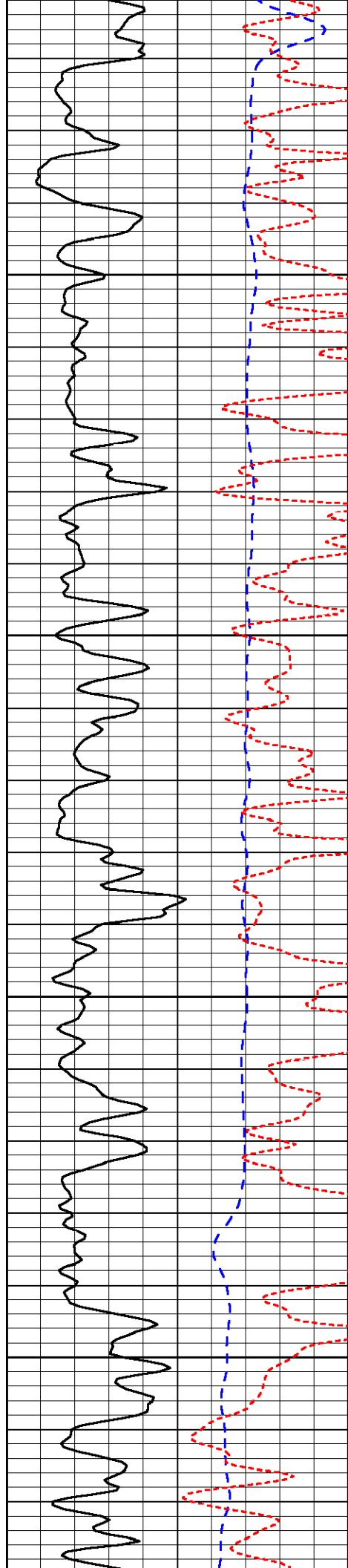
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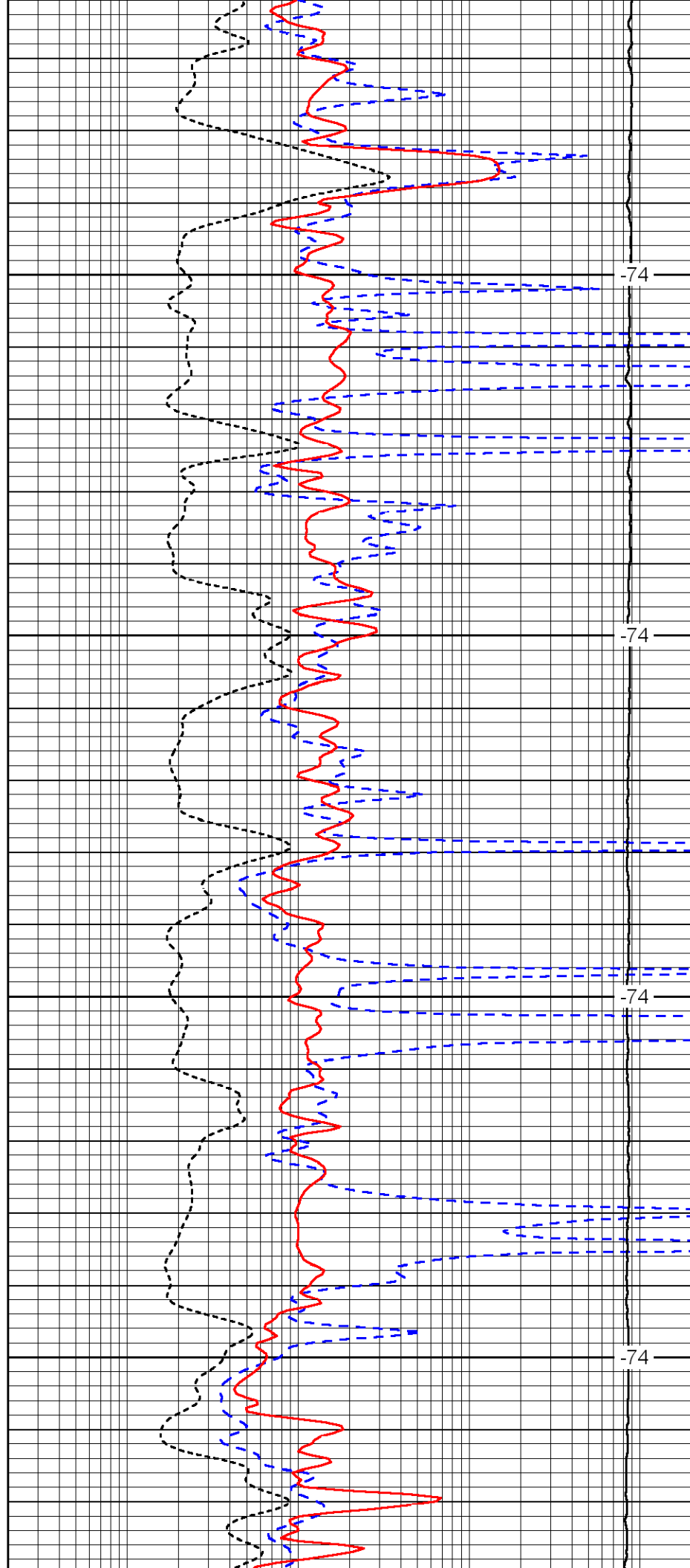


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1750

1800

1850

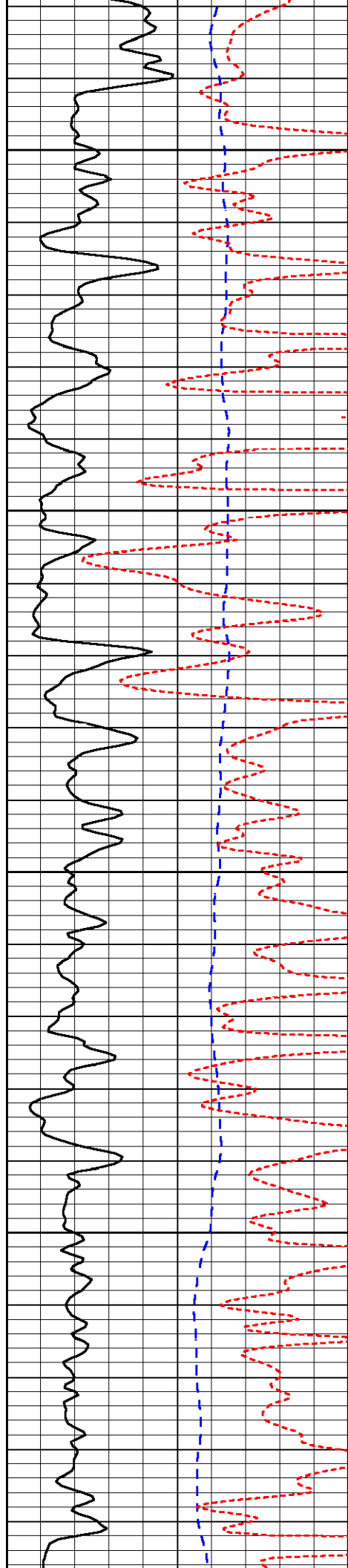


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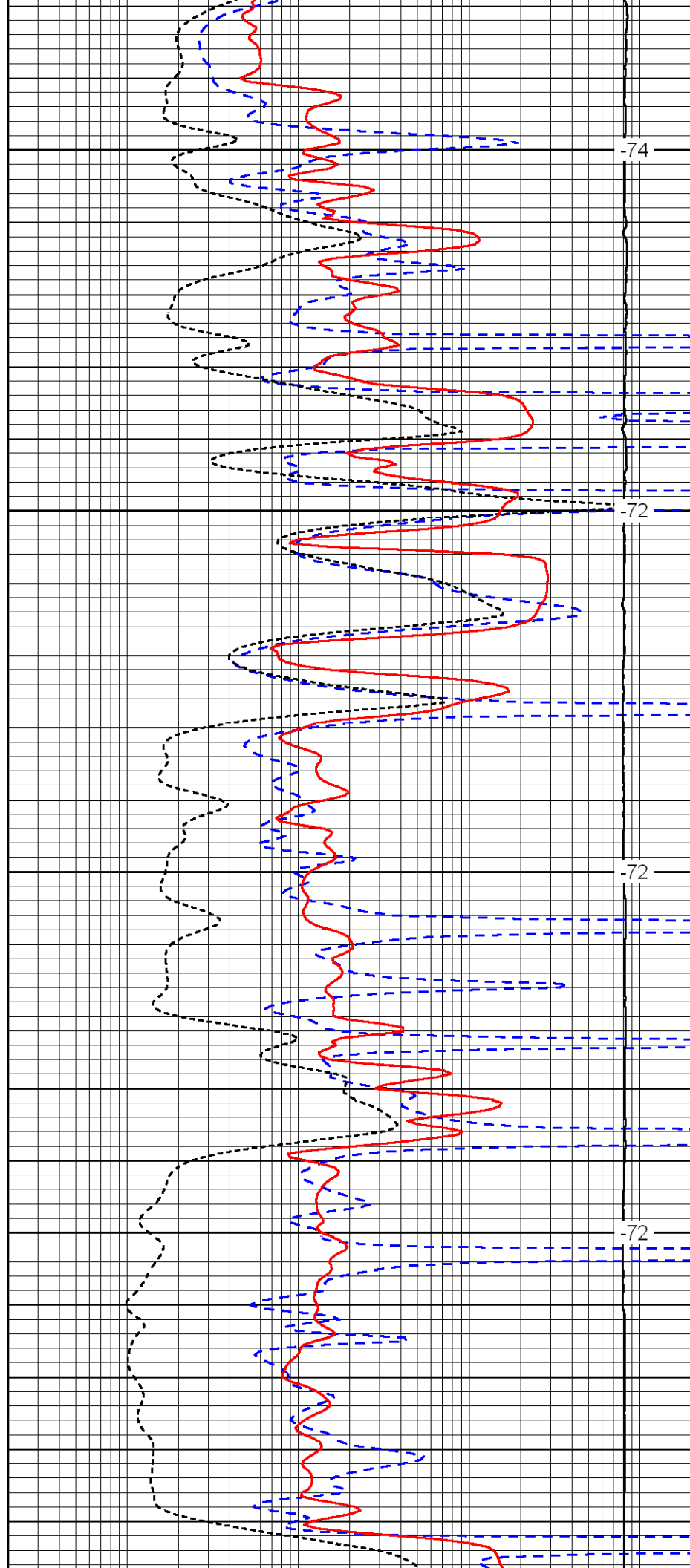


1900

1950

2000

2050

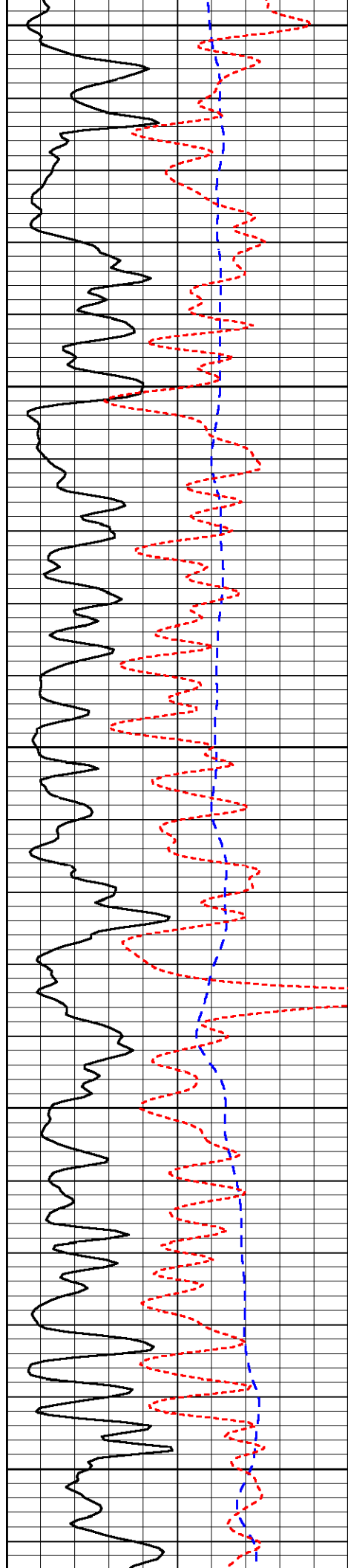


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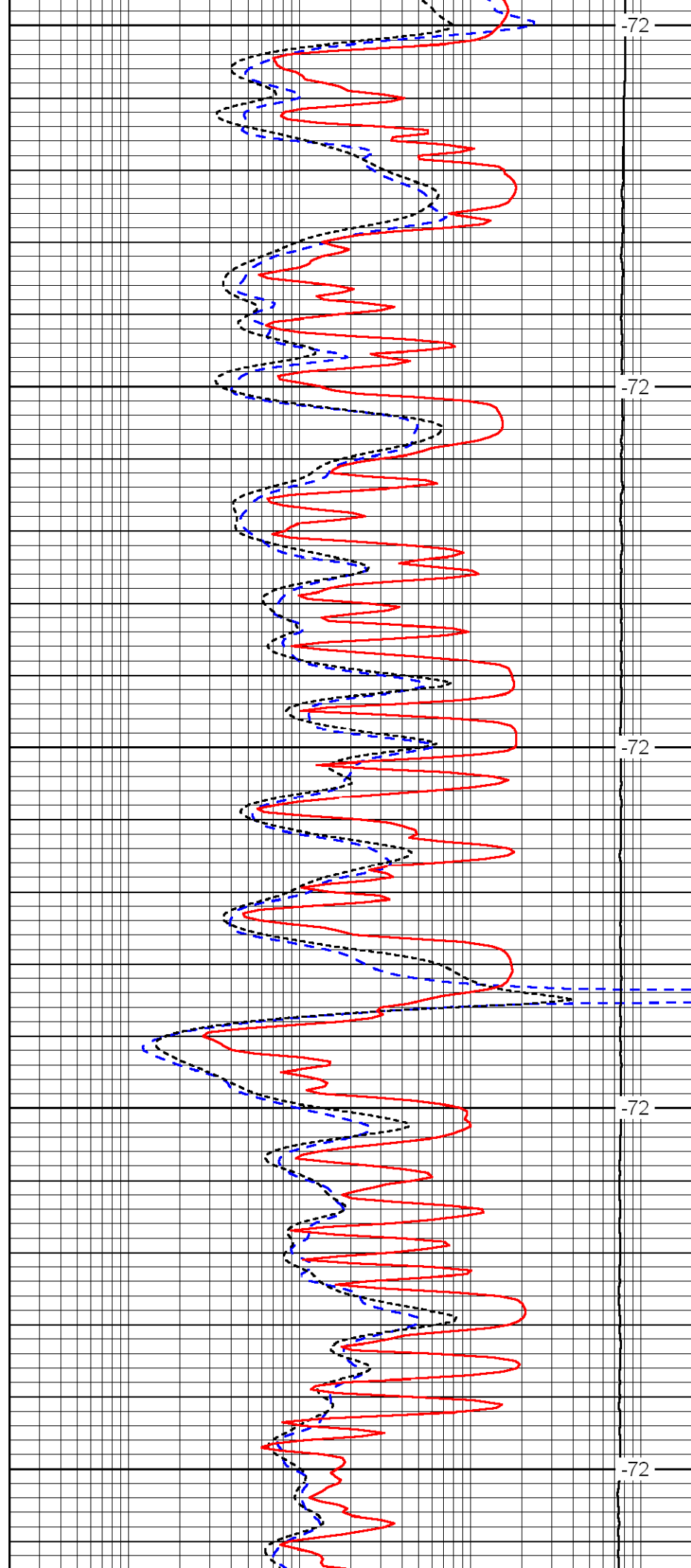
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2150

2200

2250

2300



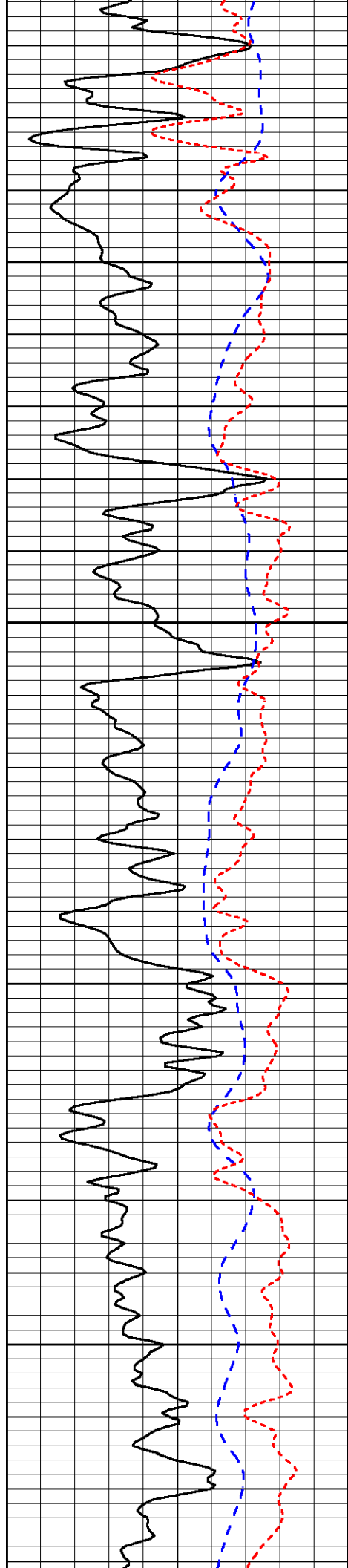
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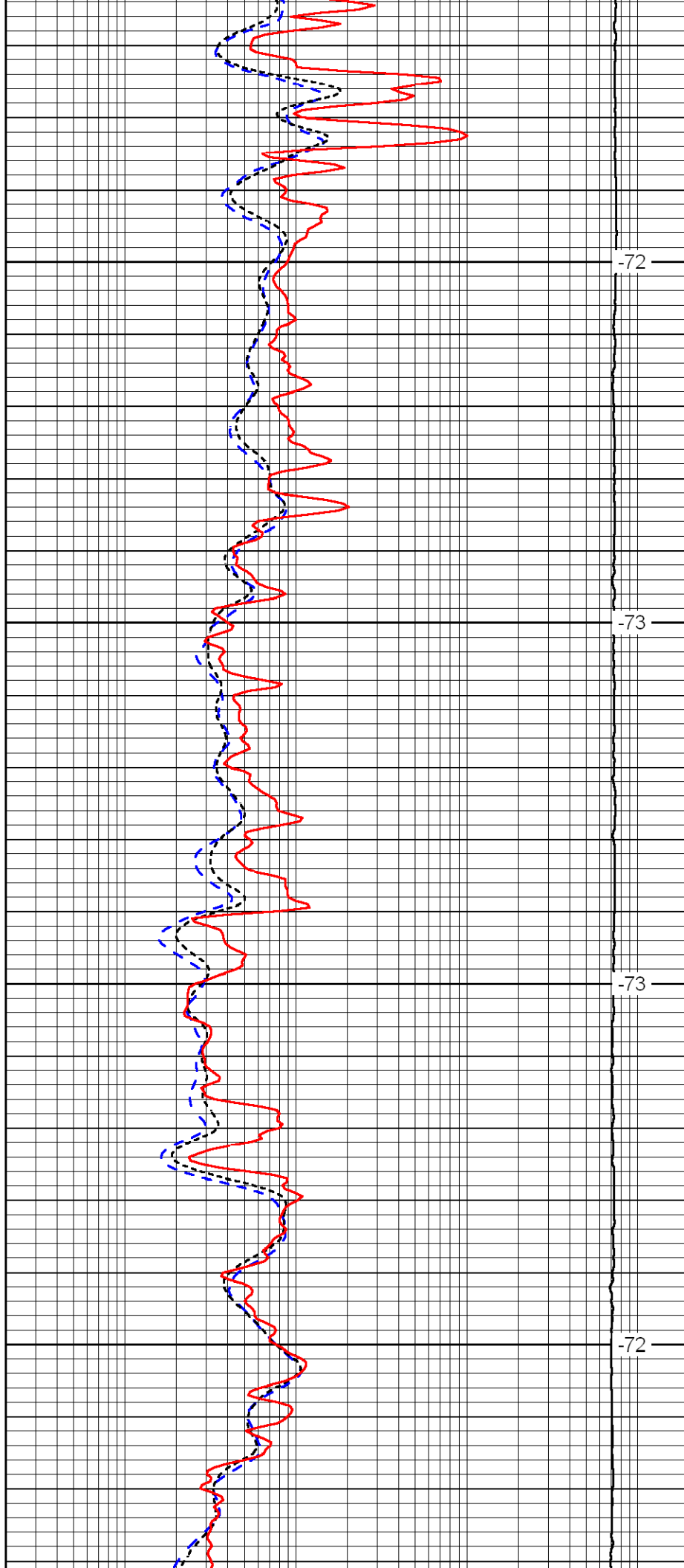


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2450

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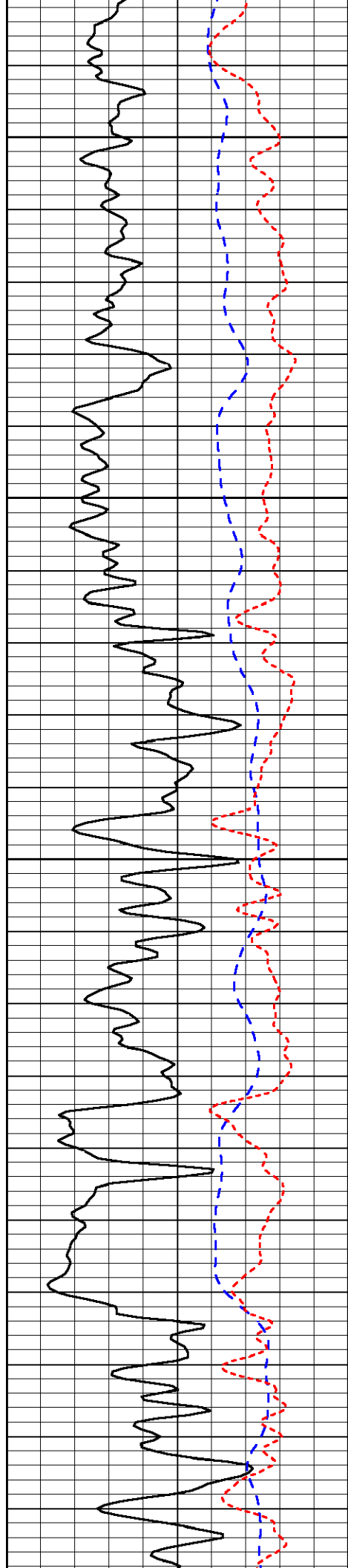


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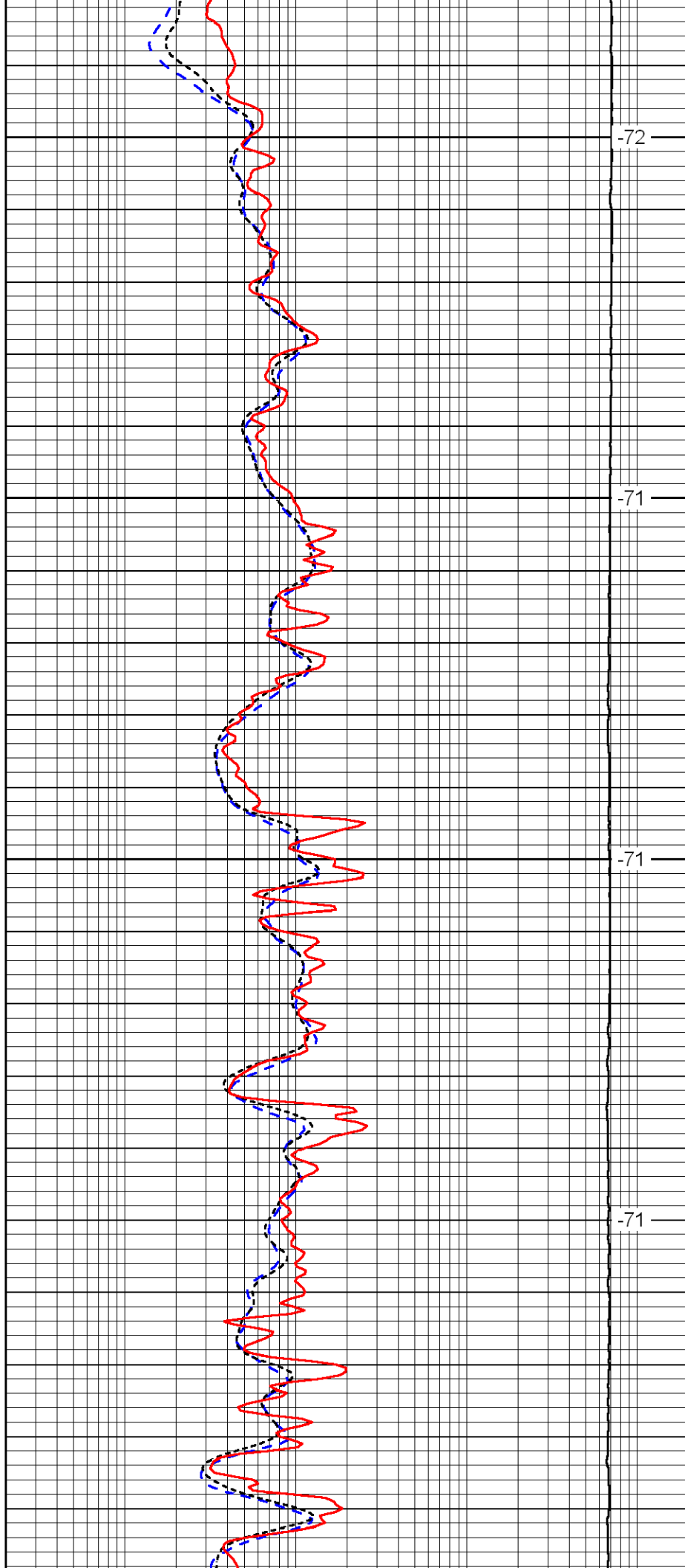


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2700

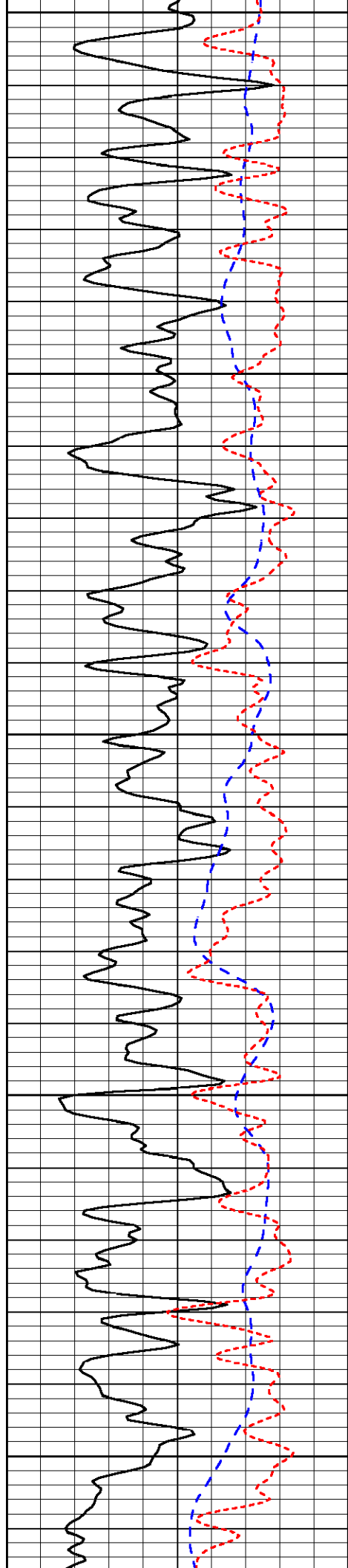


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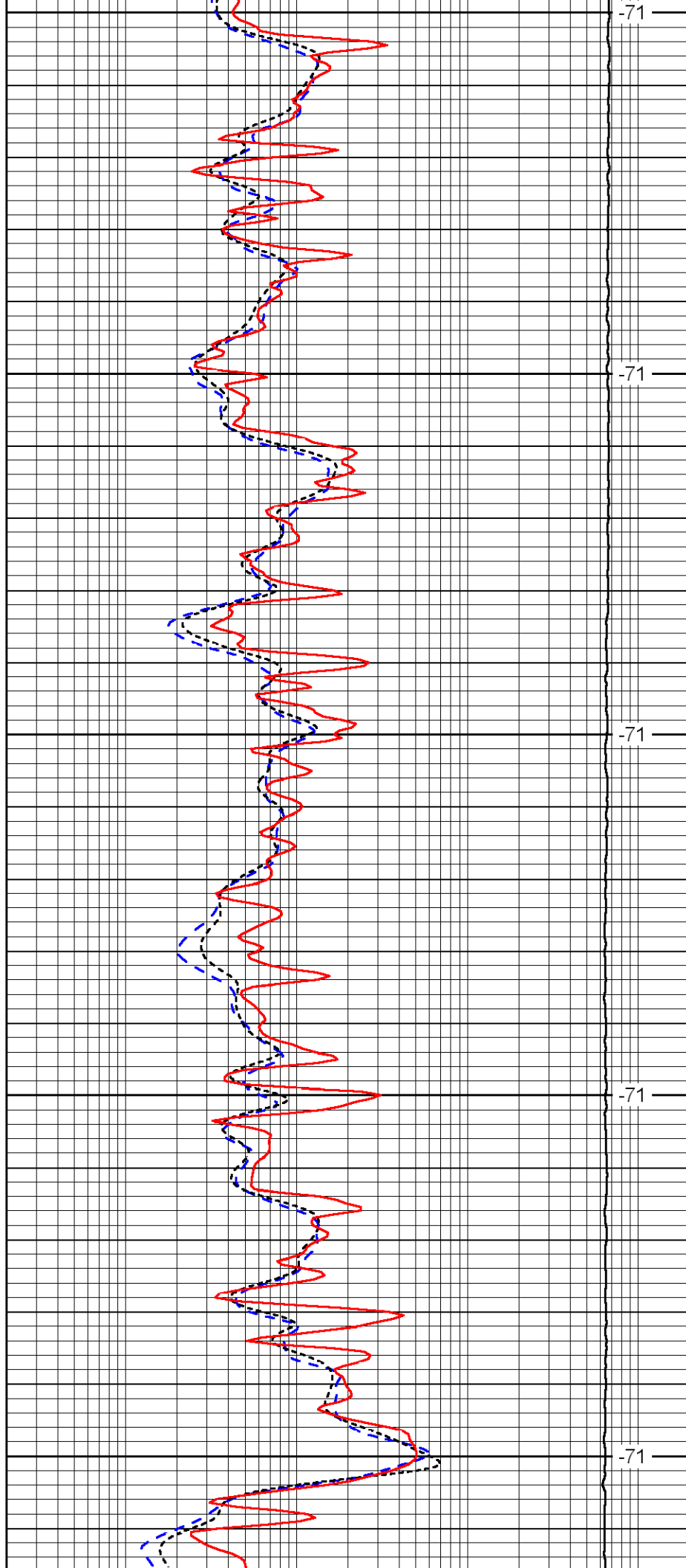
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2850

2900

2950



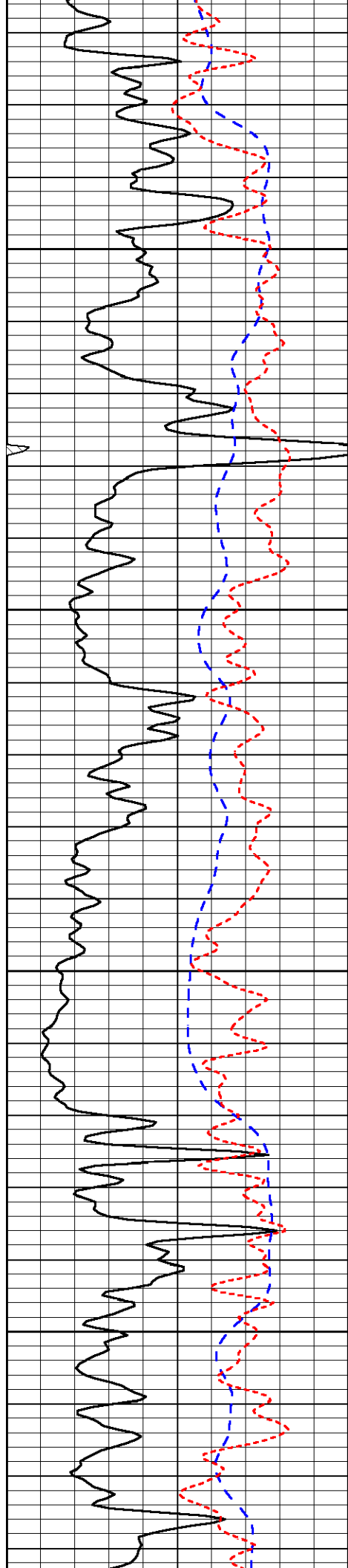
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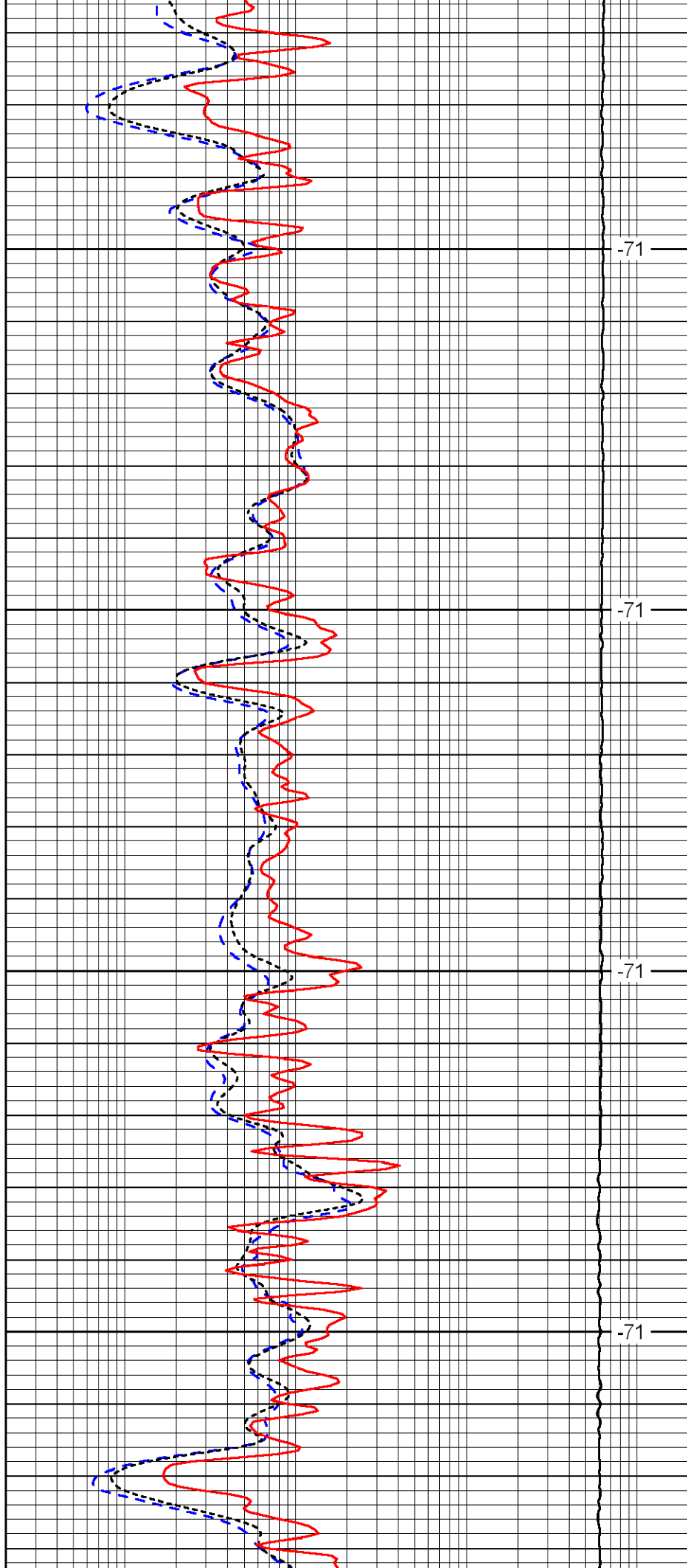


3000

3050

3100

3150

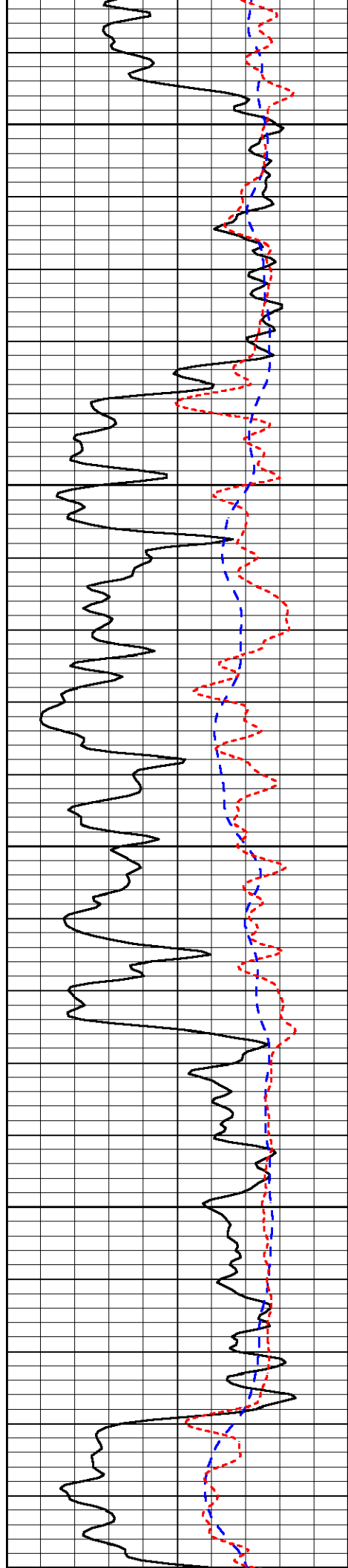


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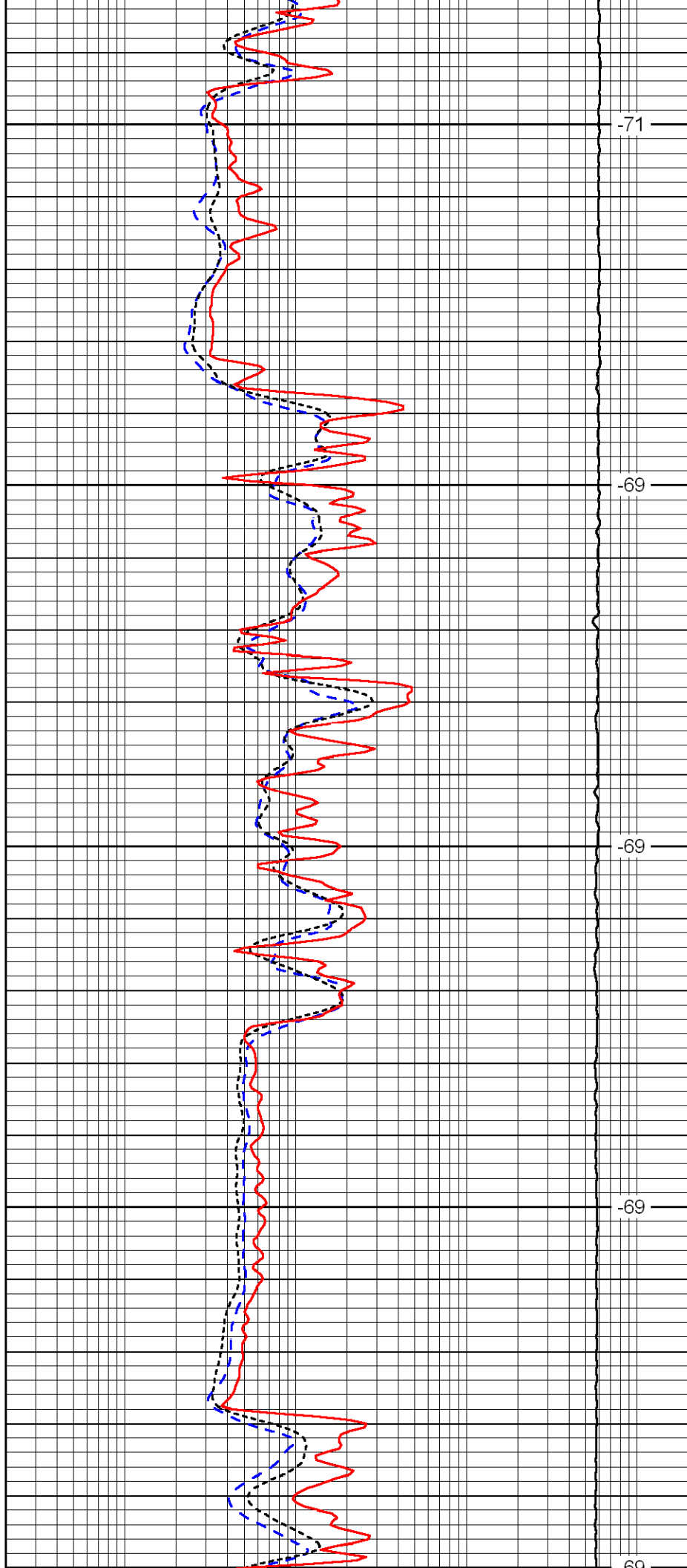
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3300

3350

3400



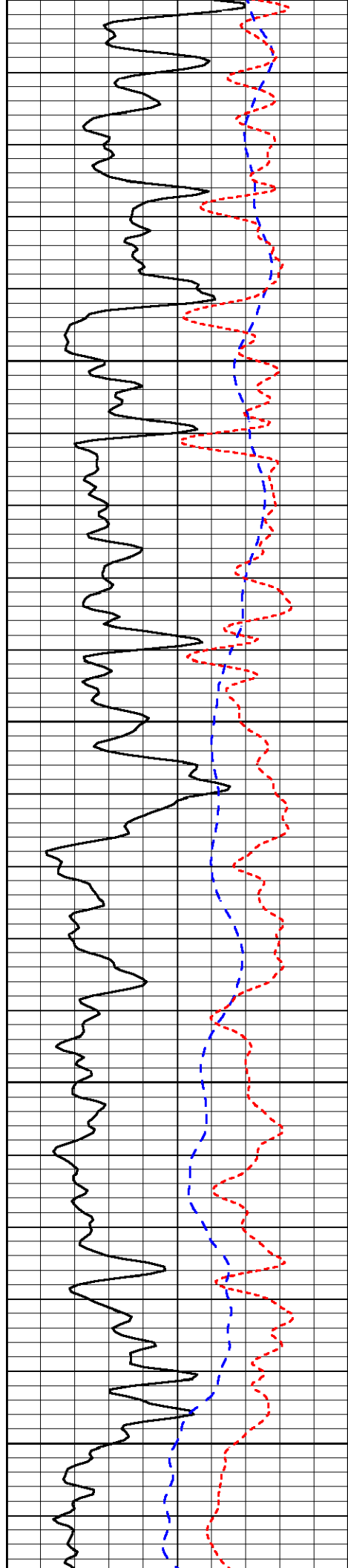
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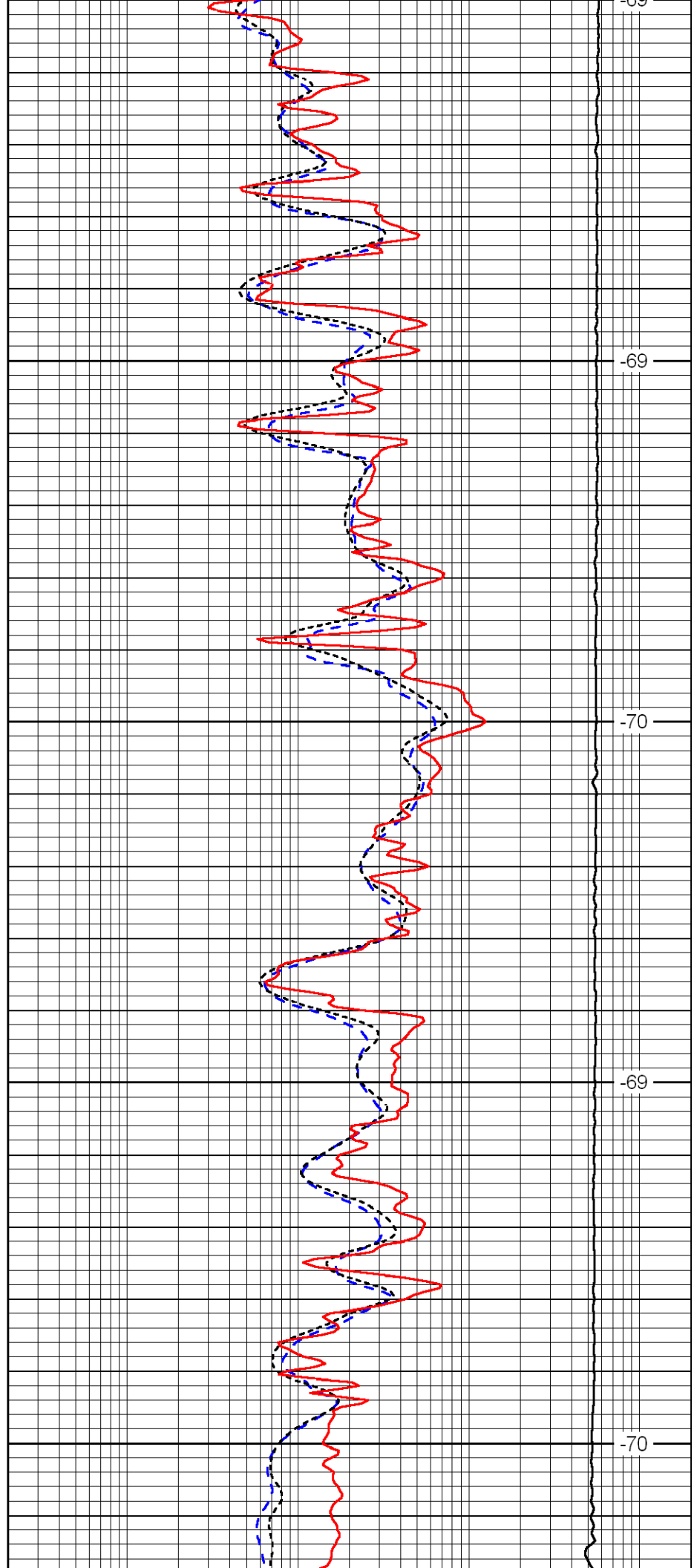
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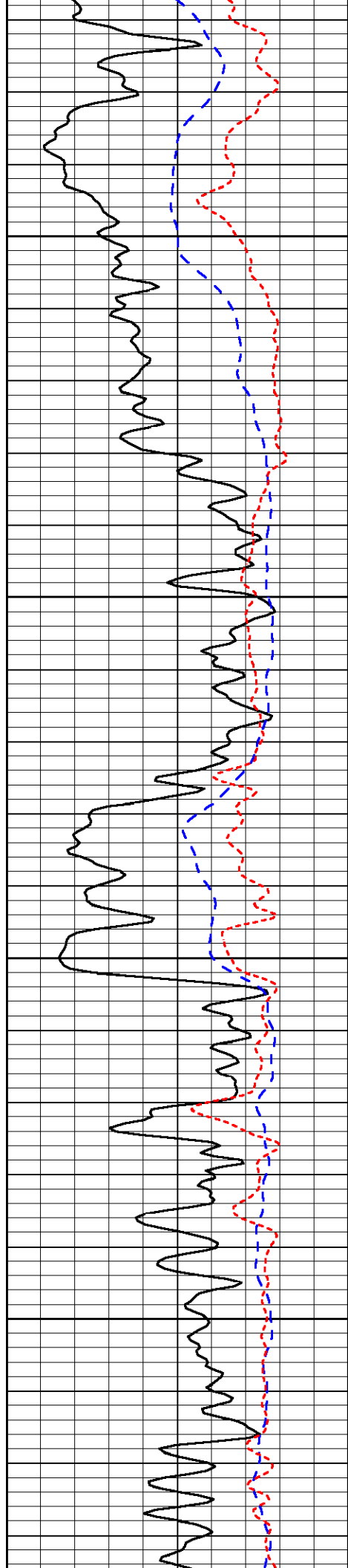
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3400
3450
3500
3550
3600



-69
-69
-70
-69
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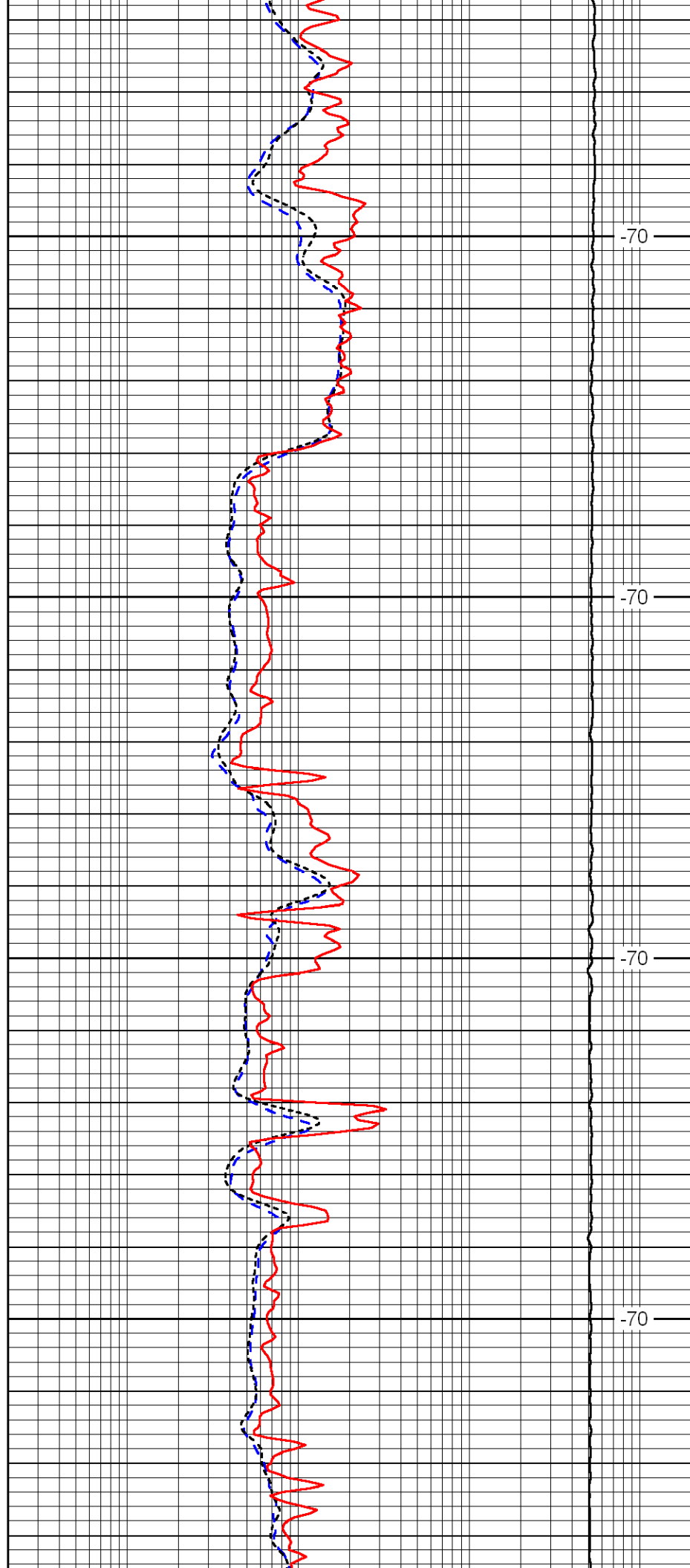


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3800

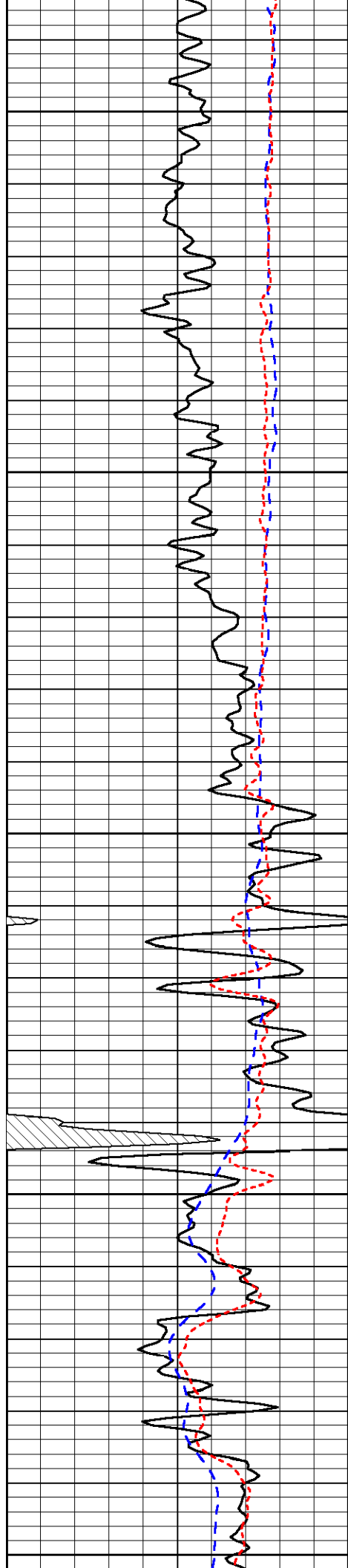


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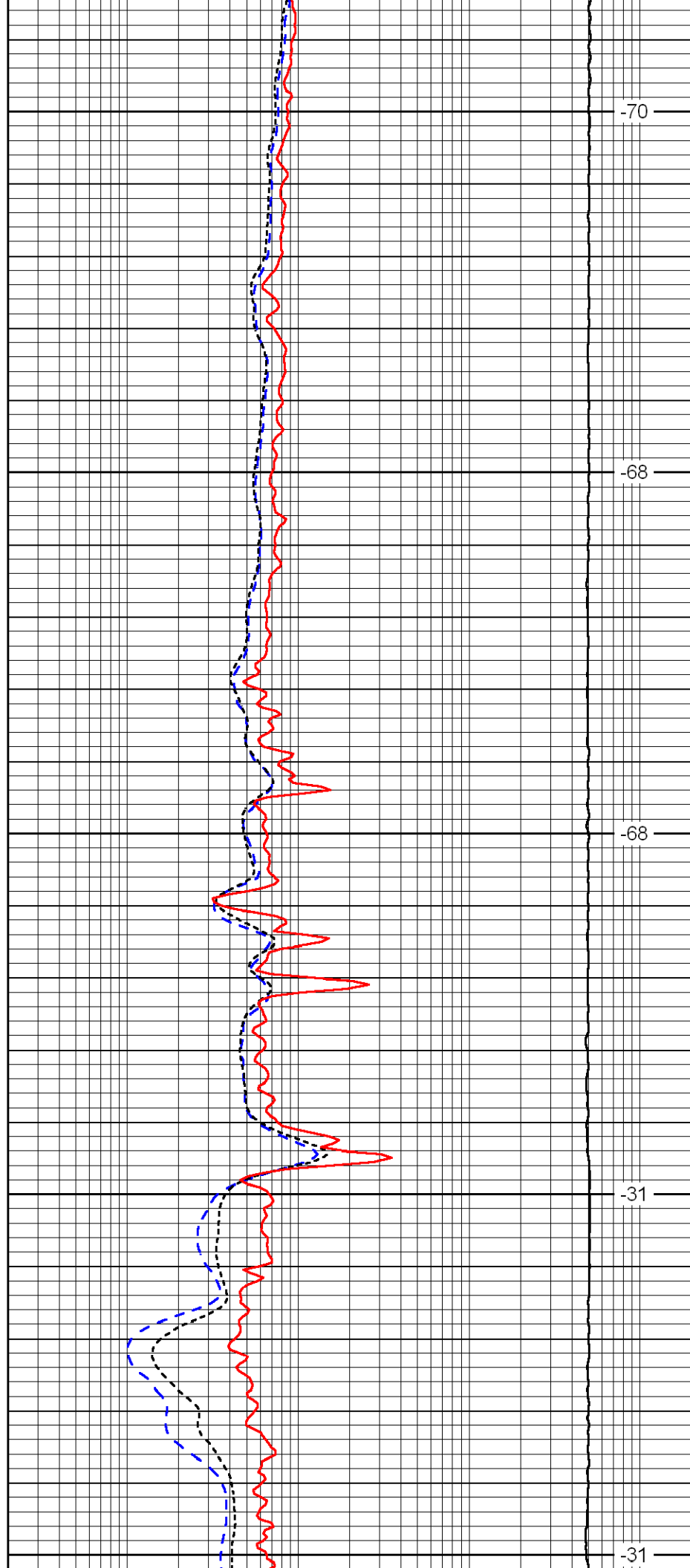
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3900

3950

4000

4050



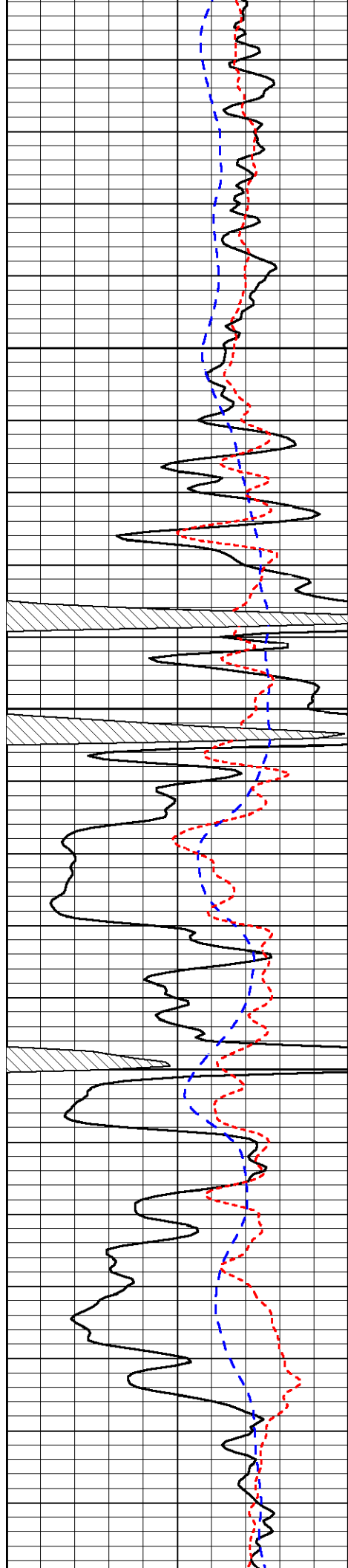
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-68

-68

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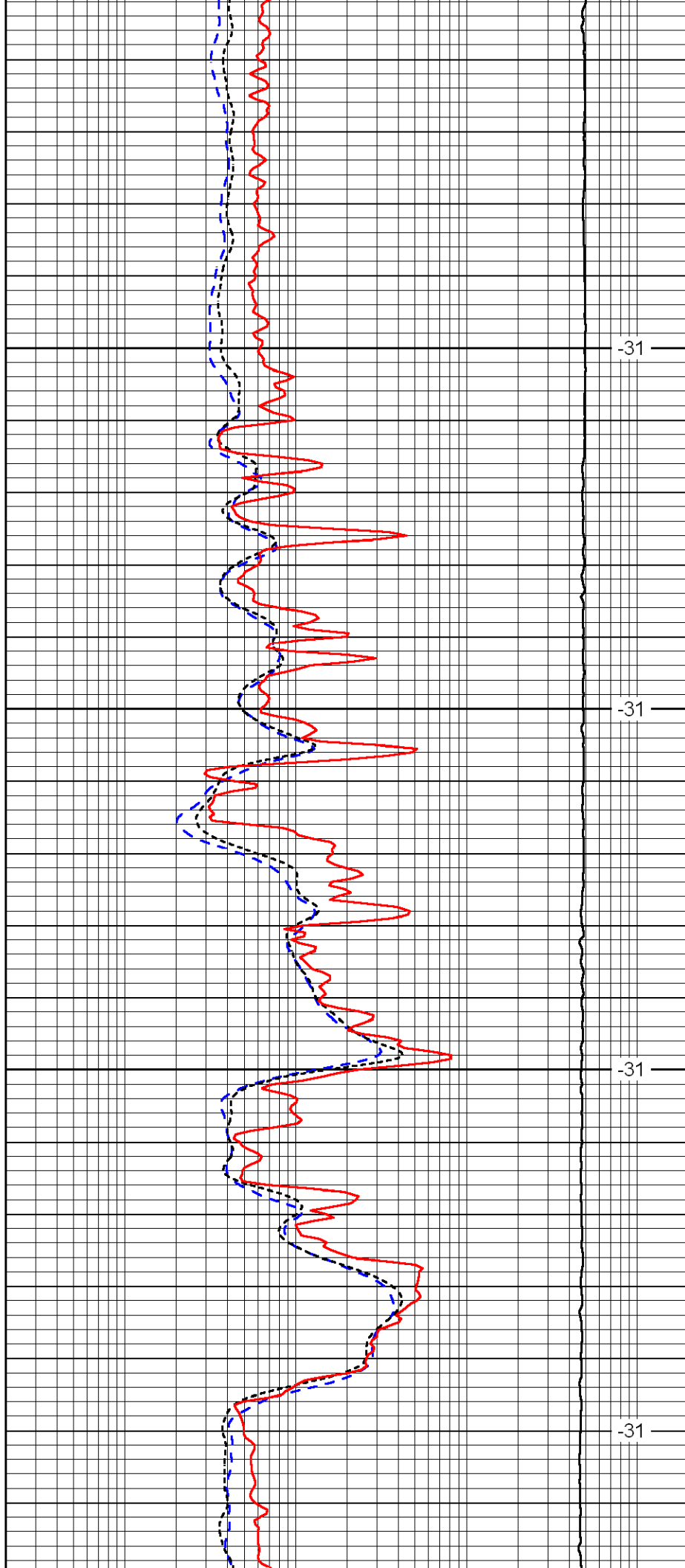


4100

4150

4200

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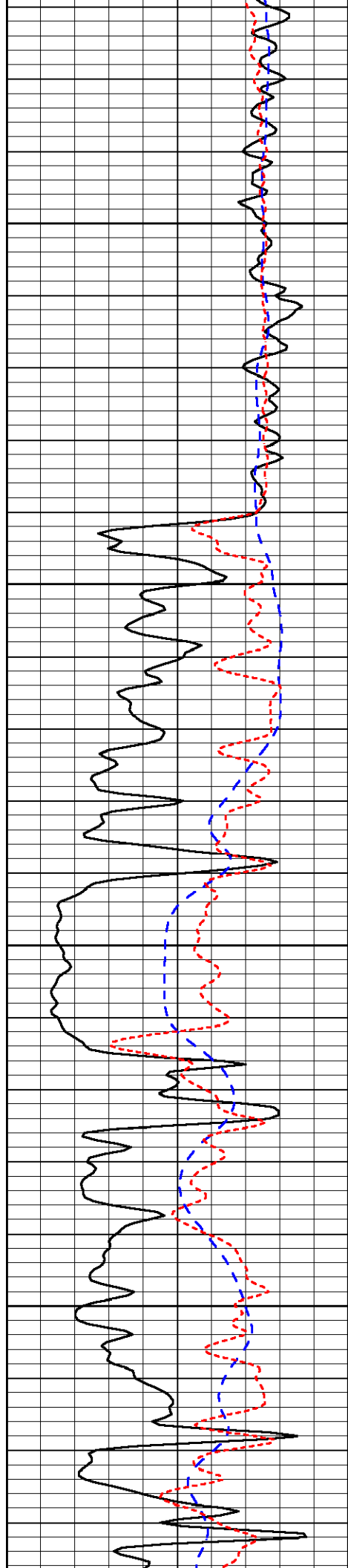


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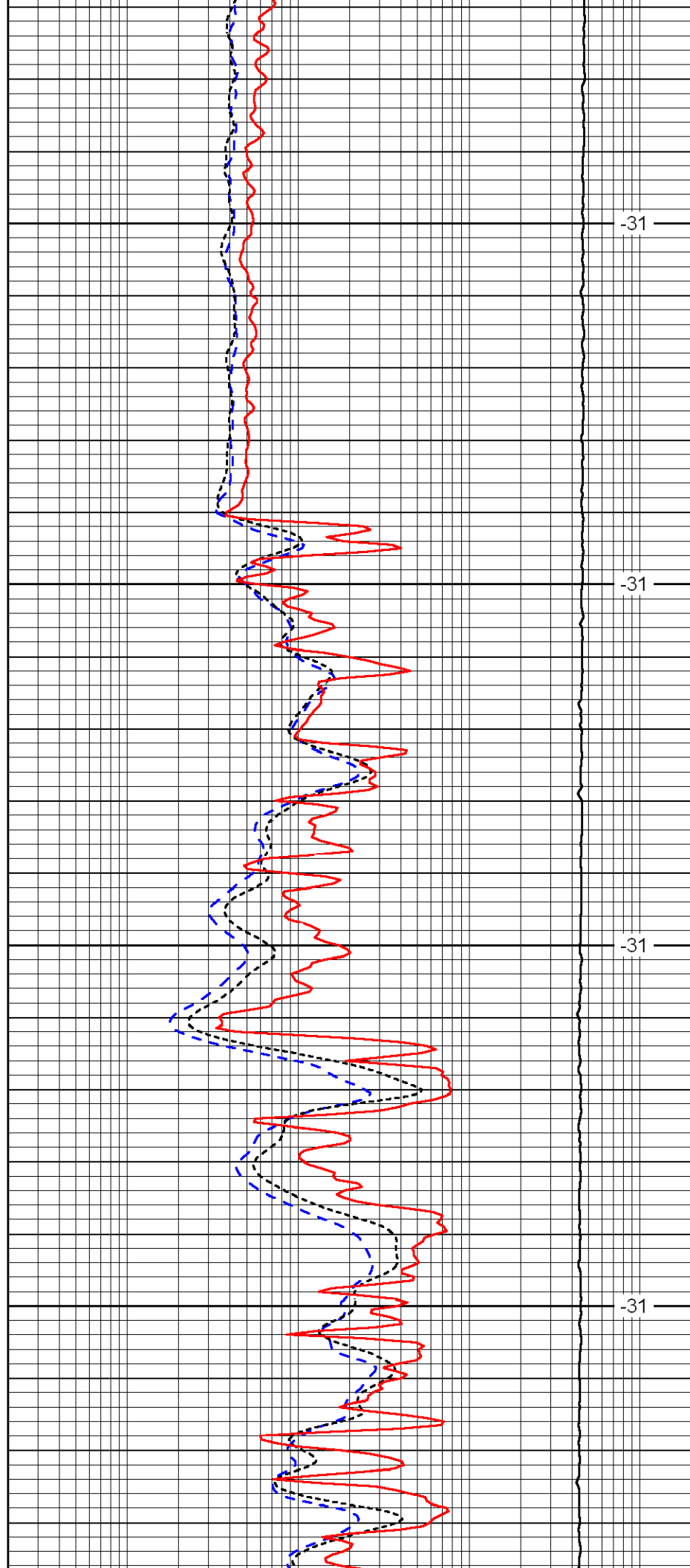


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4350

4400

4450

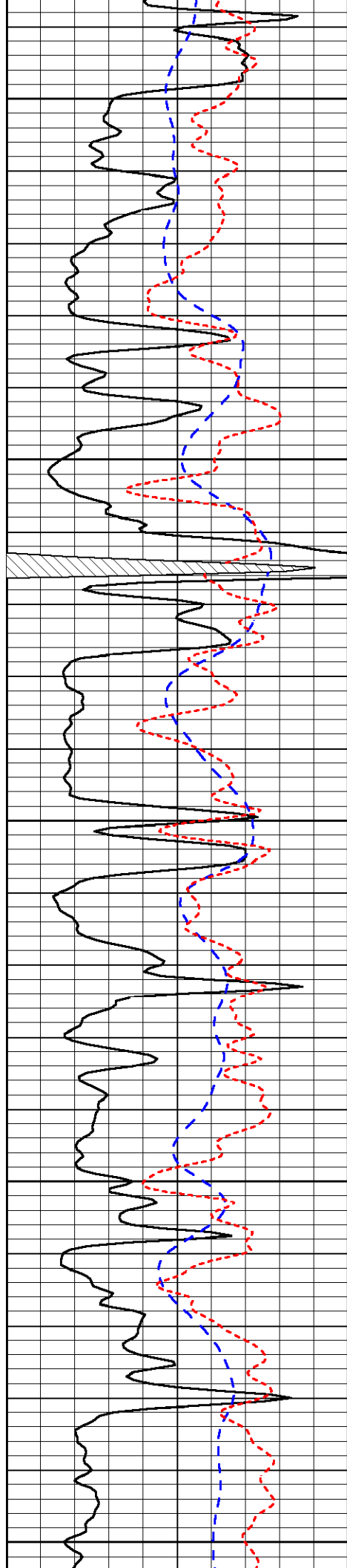


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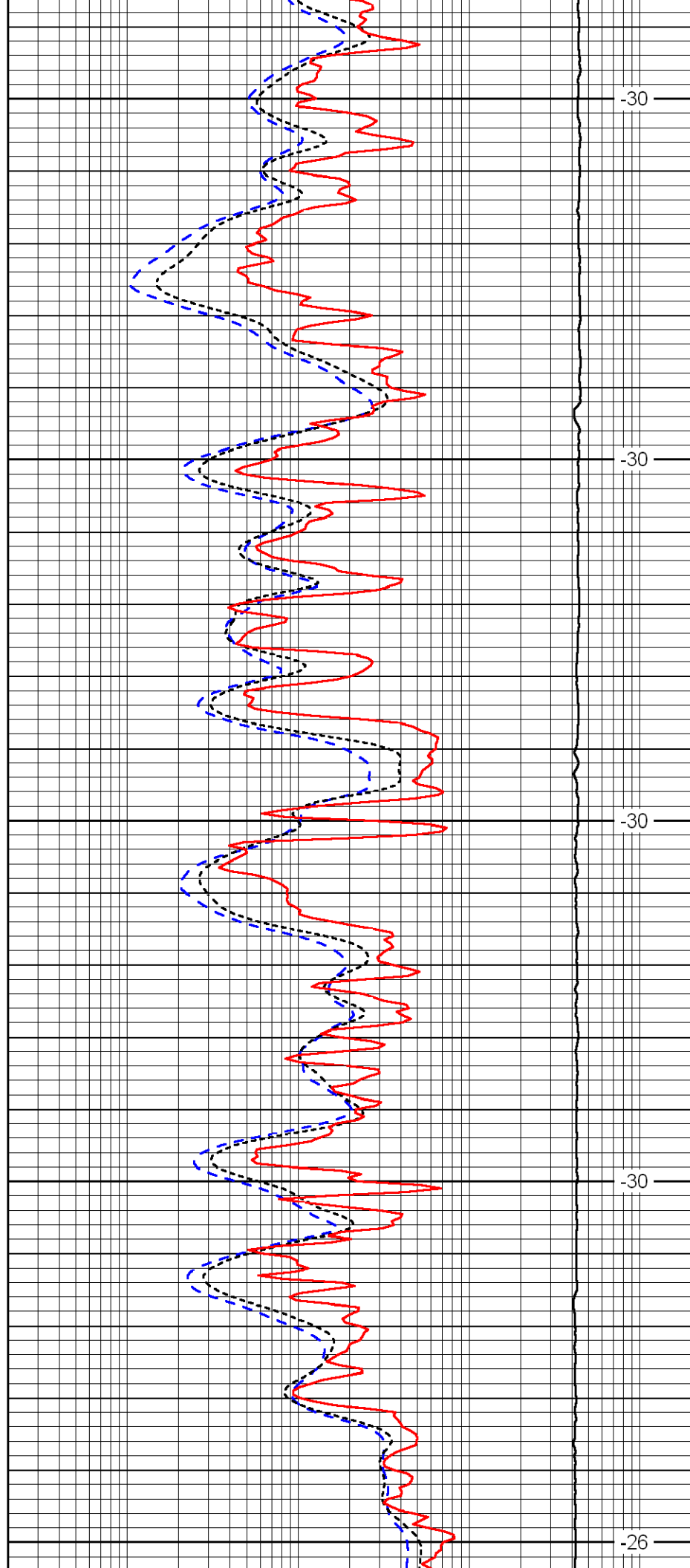
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4550

4600

4650

4700



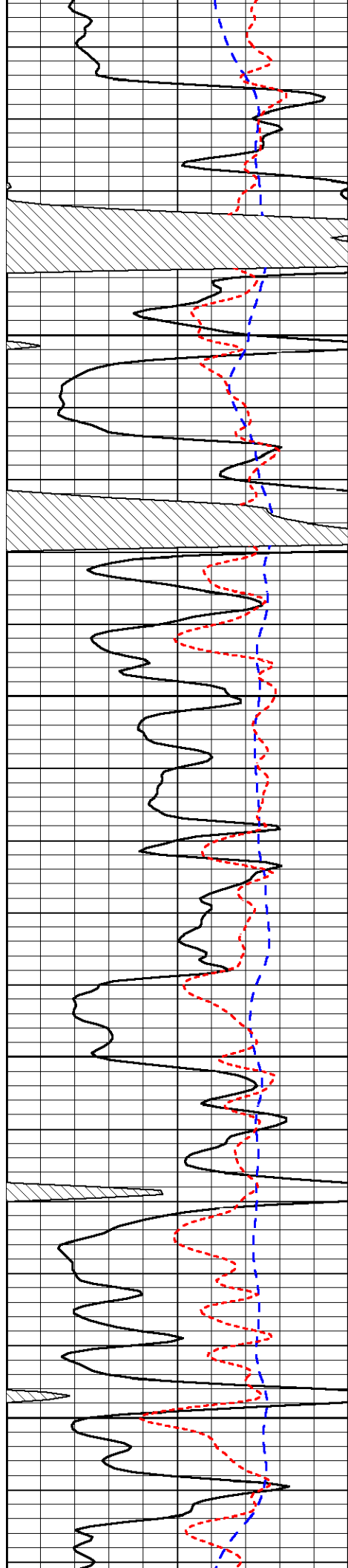
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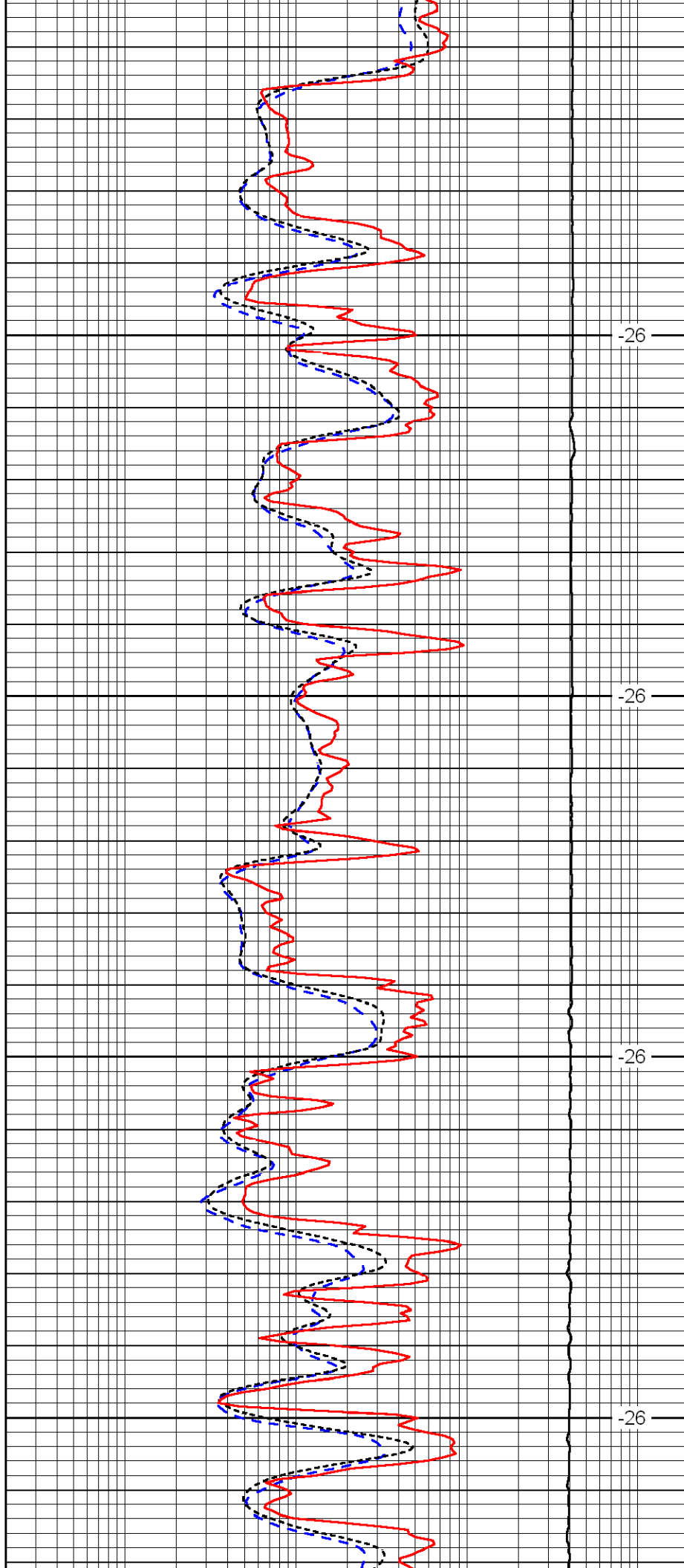


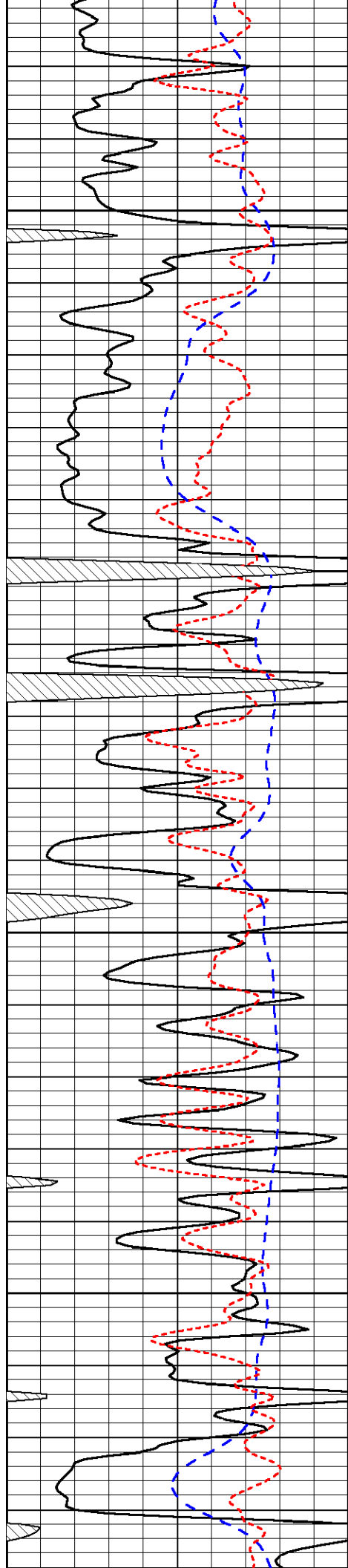
4750

4800

4850

4900



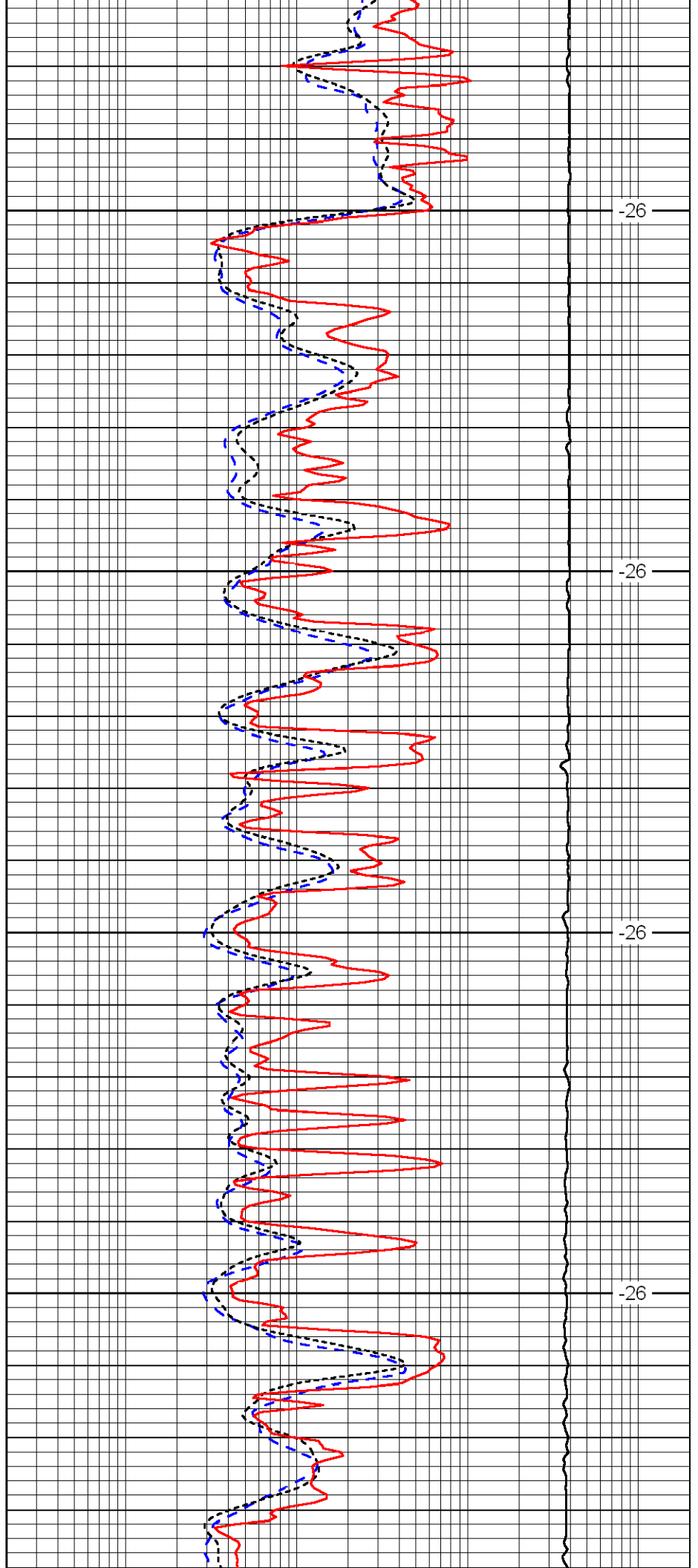


4950

5000

5050

5100

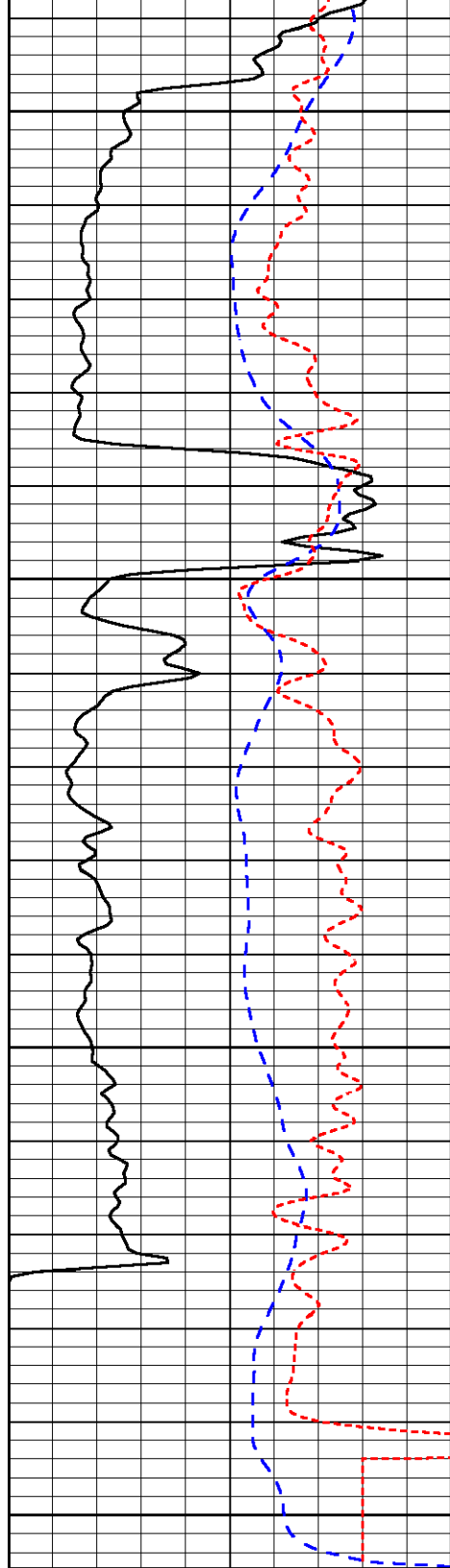


-26

-26

-26

-26



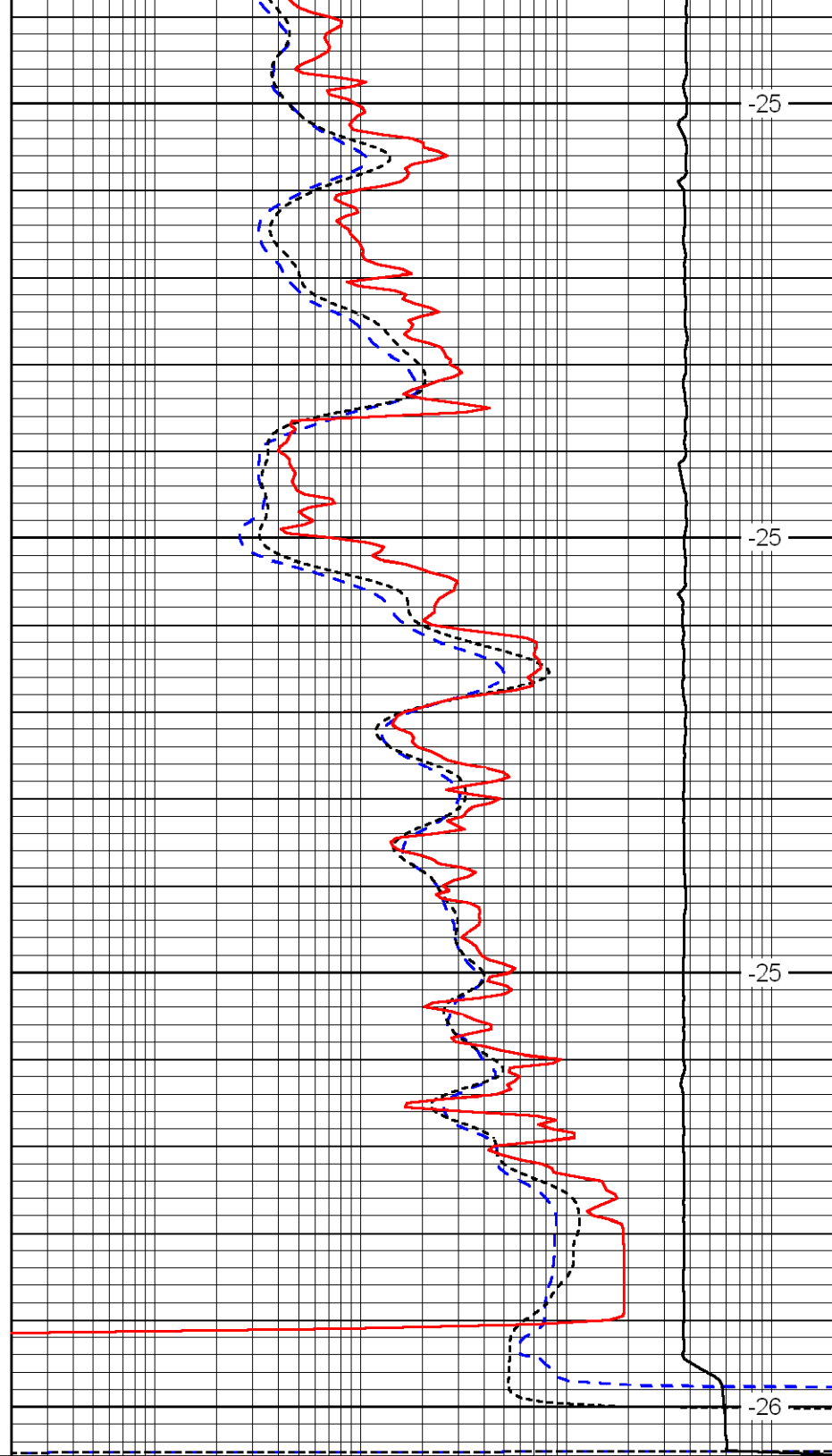
0	Gamma Ray	150
-200	SP (MV)	0
-160	Rxo / Rt	40

5150

5200

5250

5300



0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
15000	Line Tension (lb)	0

LSPD
(ft/min)