



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	15-039-21,092-00-00	
Company	Murfin Drilling Company, Inc.	
Well	Carter-Brown Unit #1-21	
Field	Wildcat	
County	Decatur	State Kansas
Location	1520' FNL & 2650' FEL	
Sec: 21	Twp: 3 S	Rge: 27 W
Permanent Datum	Ground Level	Elevation 2624
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	K.B. 2629
		D.F. 2624
		G.L. 2624

Date	3/29/2009
Run Number	One
Depth Driller	3850
Depth Logger	3856
Bottom Logged Interval	3855
Top Log Interval	0
Casing Driller	8.625 @ 210
Casing Logger	210
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	4.400
Density / Viscosity	9.2 52
pH / Fluid Loss	11.0 6.8
Source of Sample	Flowline
Rm @ Meas. Temp	1.4 @ 65
Rmf @ Meas. Temp	1.05 @ 65
Rmc @ Meas. Temp	1.89 @ 65
Source of Rmf / Rmc	Charts
Rm @ BHT	0.78 @ 117
Operating Rig Time	4 Hours
Max Rec. Temp. F	117
Equipment Number	10
Location	Hays
Recorded By	J. Wellbrock
Witnessed By	Paul Gunzelman

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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
 Oberlin, 8 E to 8E Rd, 2 S,
 1 E, 1 S, 1/2 E, S Into

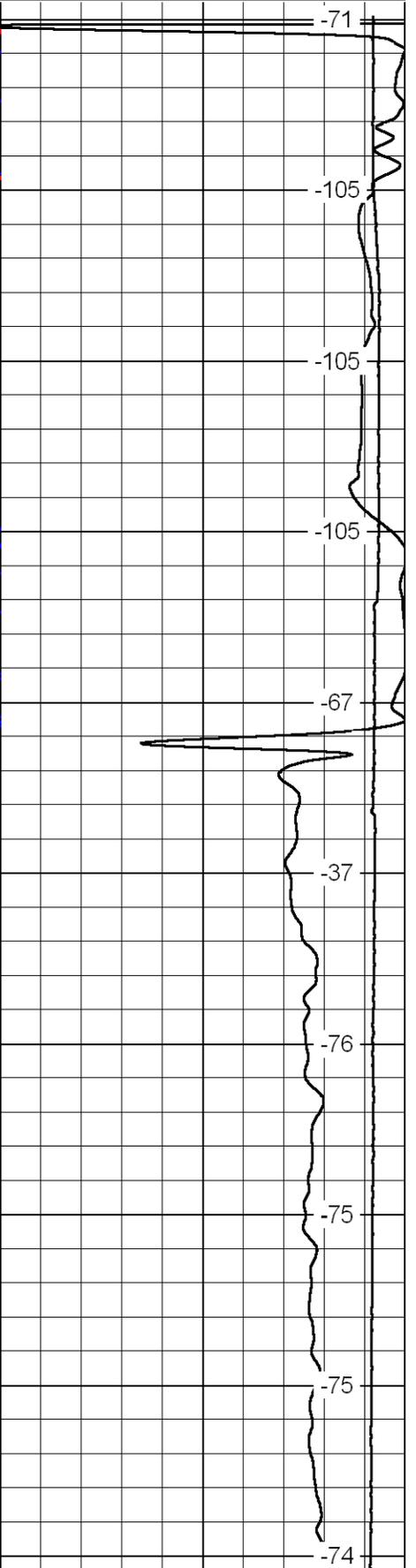
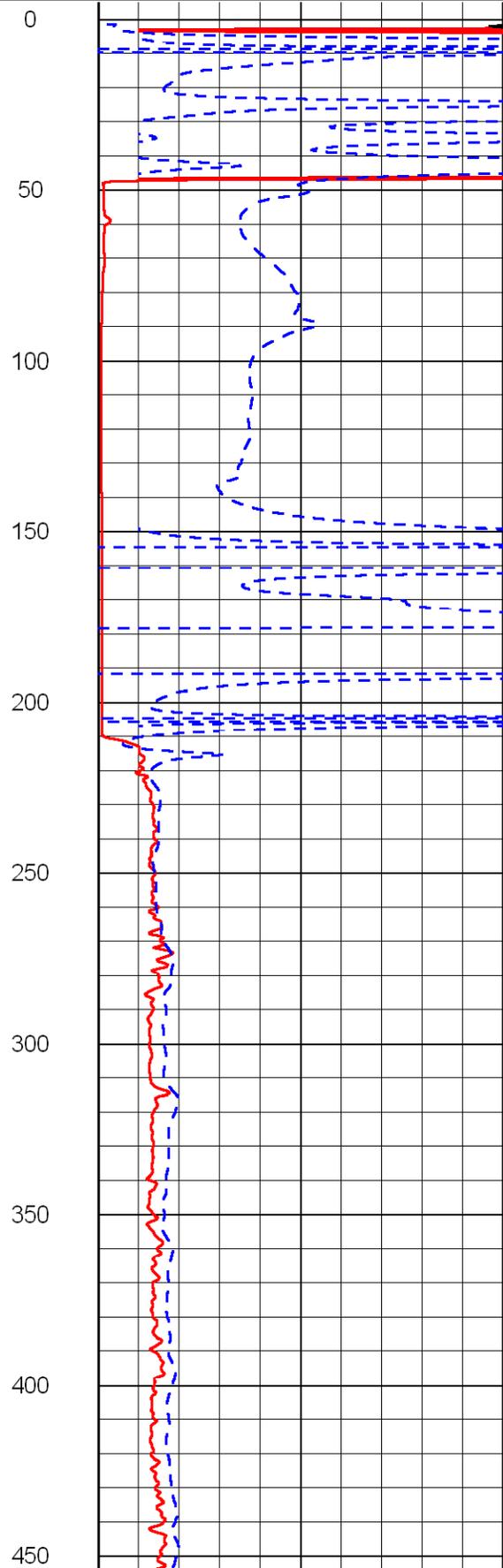
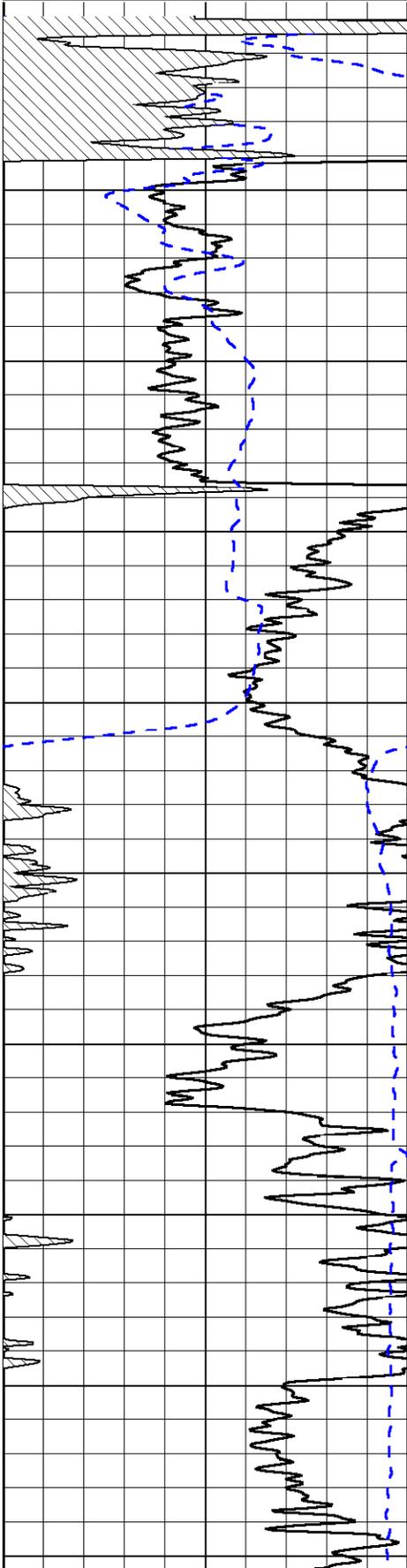
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 Presentation Format: dil2in
 Dataset Creation: Sun Mar 29 18:31:56 2009
 Charted by: Depth in Feet scaled 1:600

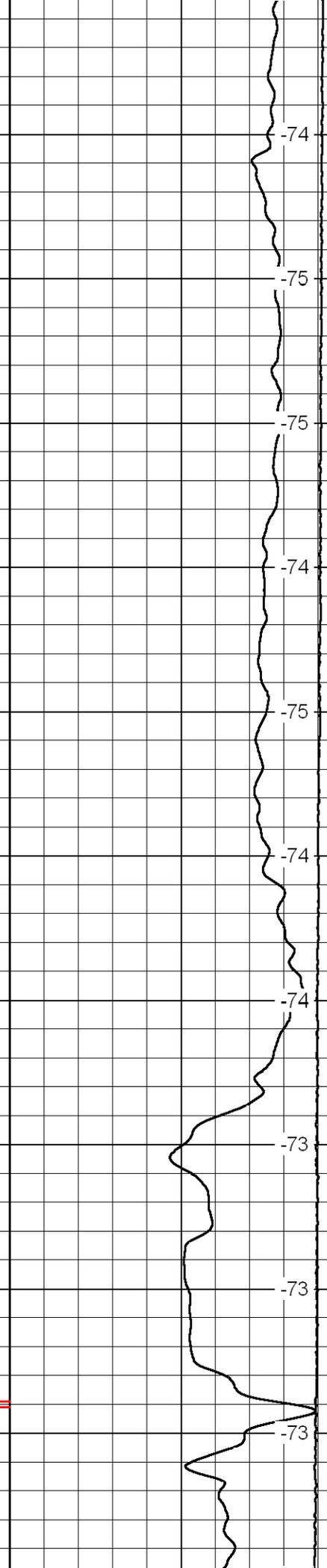
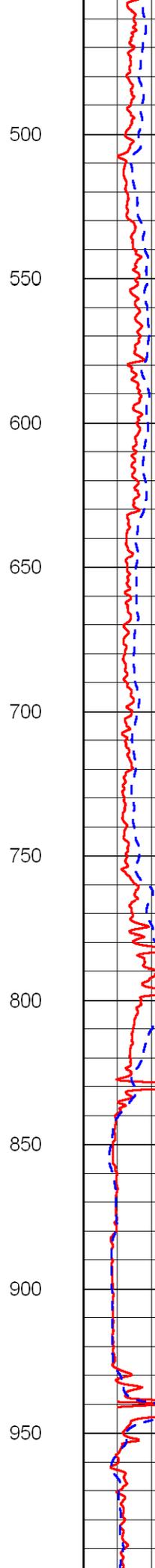
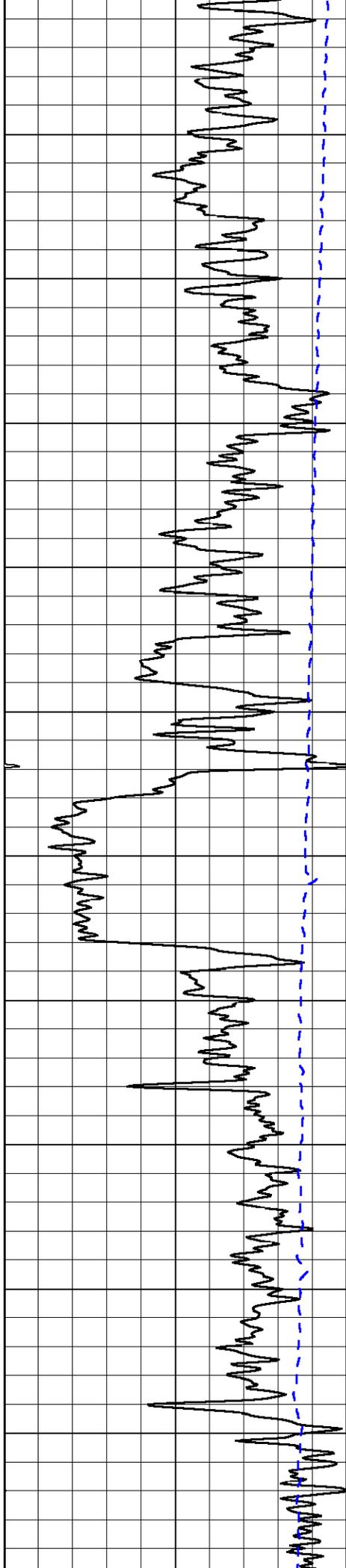
0 Gamma Ray 150
-200 SP (MV) 0

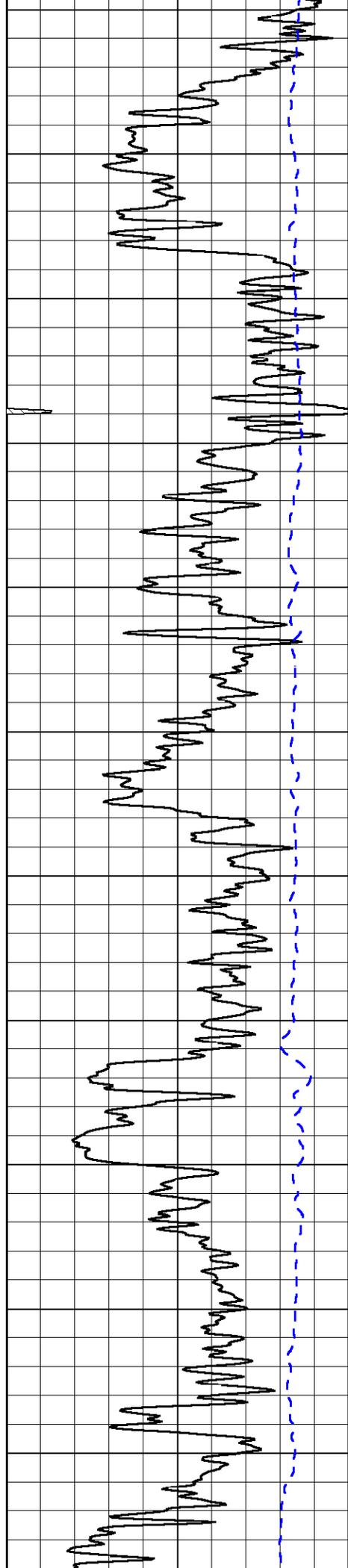
0 Shallow Resistivity (Ohm-m) 50
0 Deep Resistivity (Ohm-m) 50
1000 Conductivity (mmho/m)
15000 Line Tension (lb)

LSPD
(ft/min)
0
0

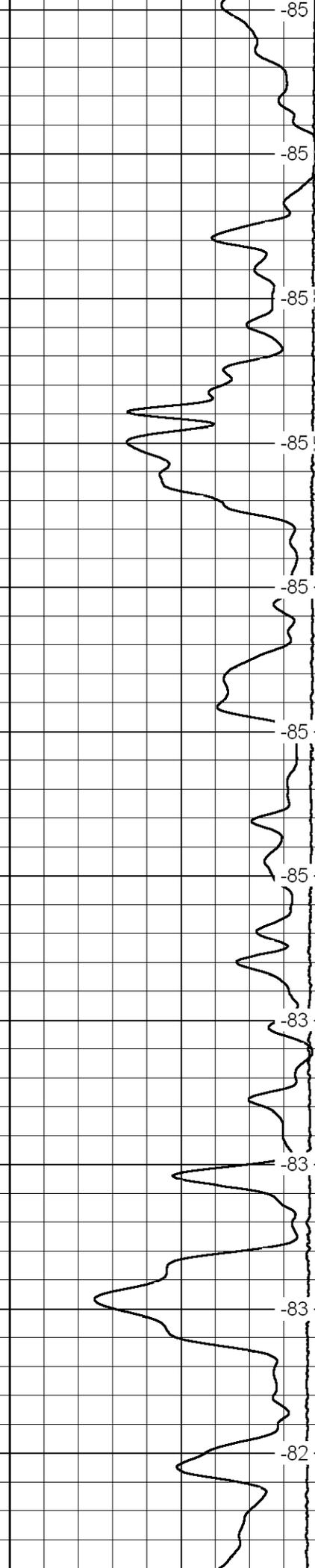
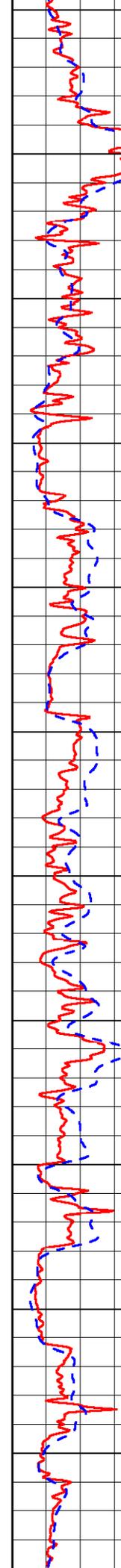
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50 (Ohm-m) 500
50 Deep Resistivity (Ohm-m) 500

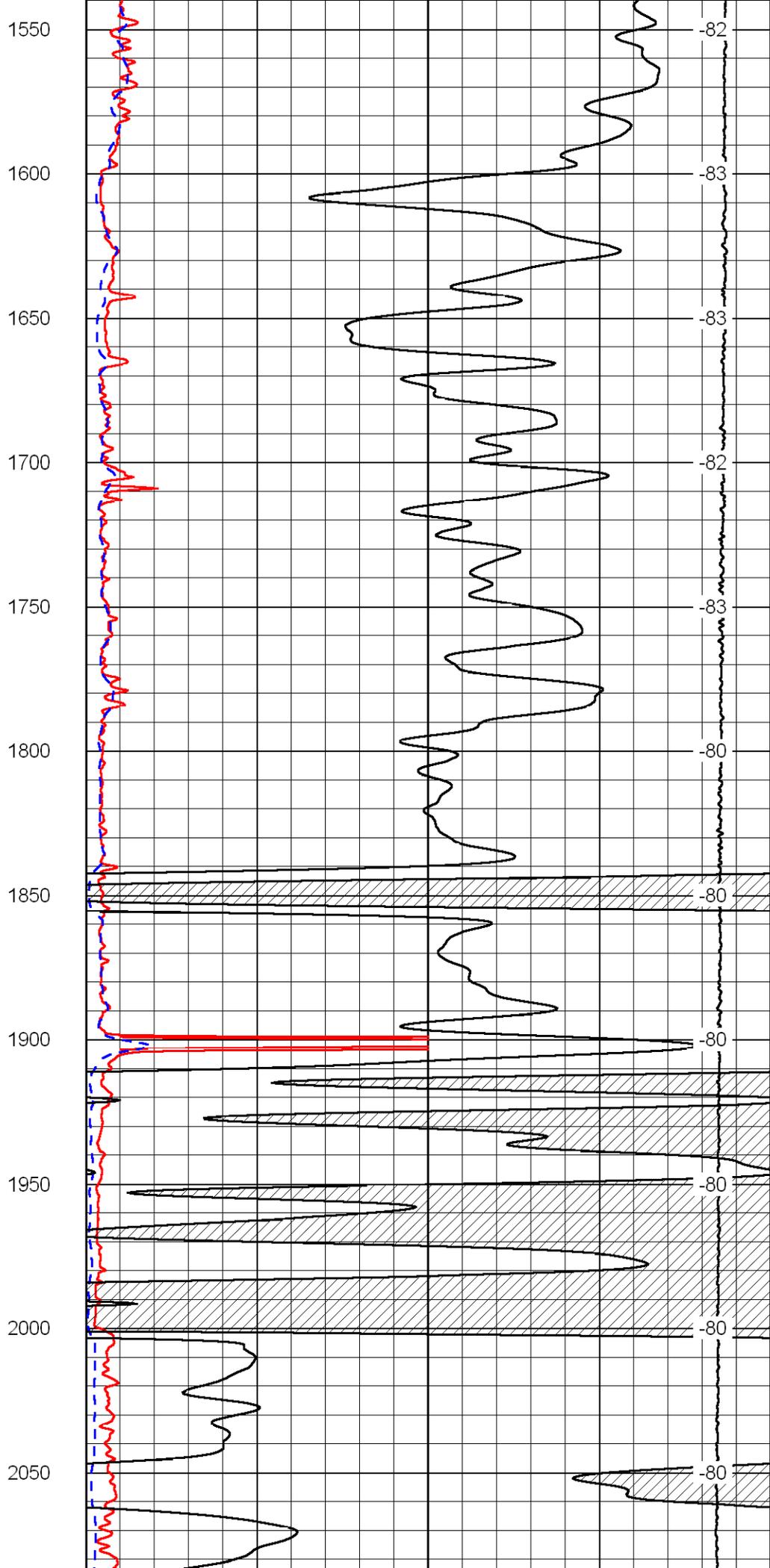
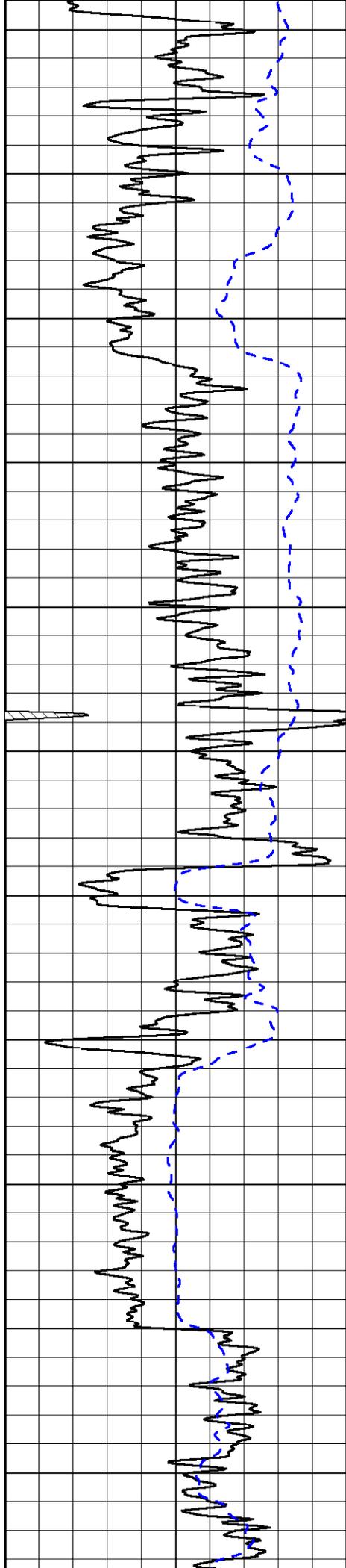


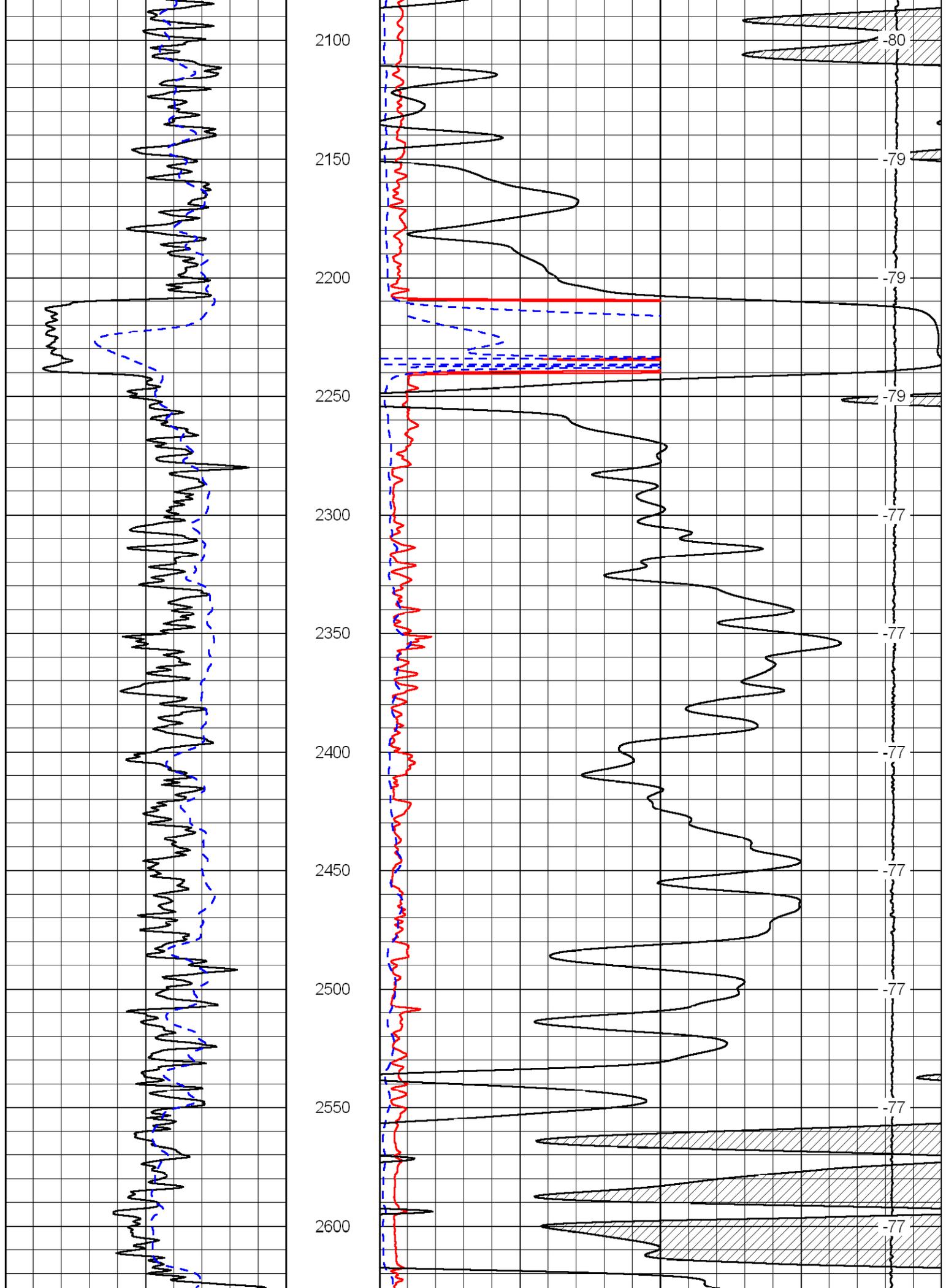


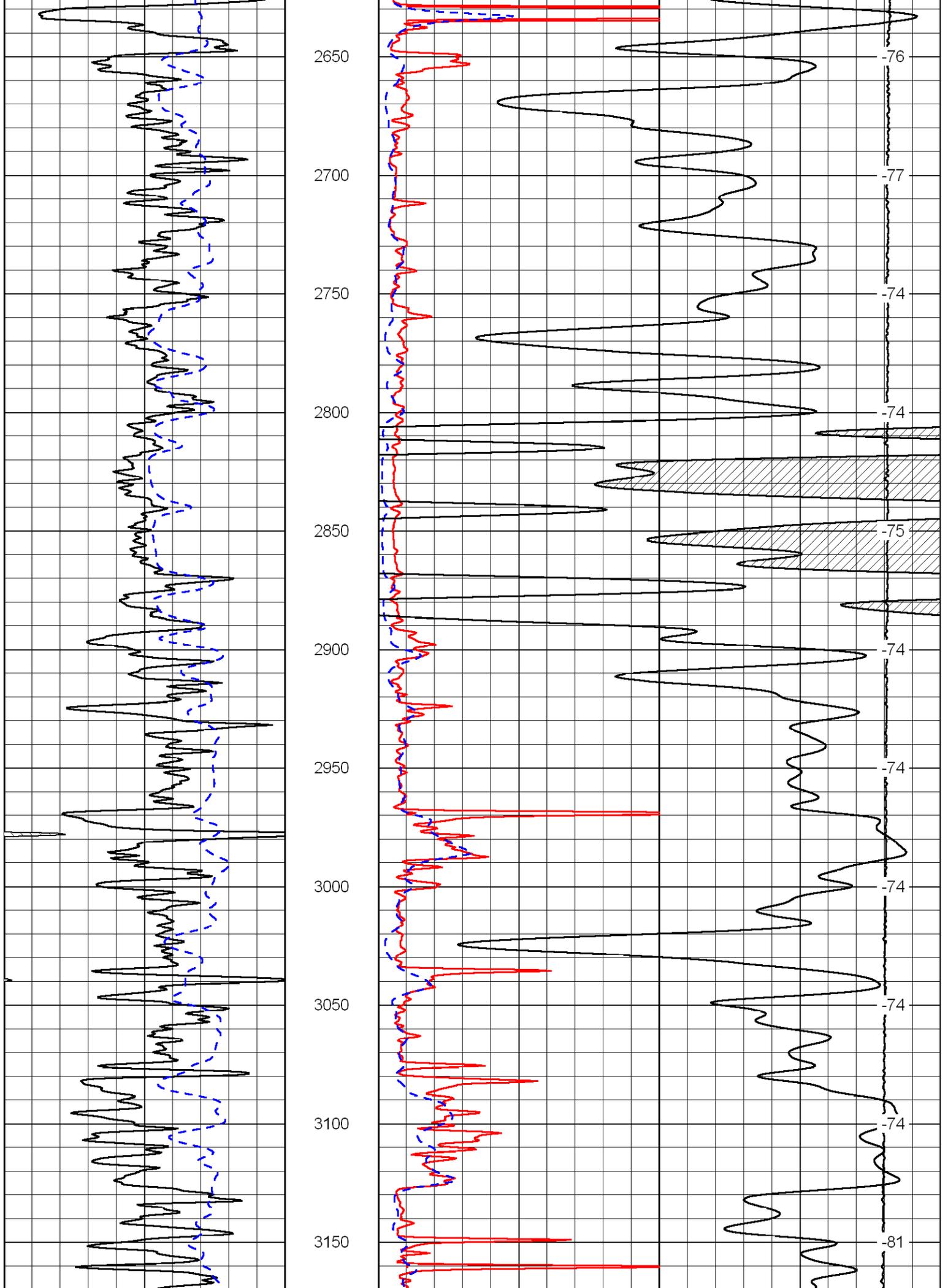


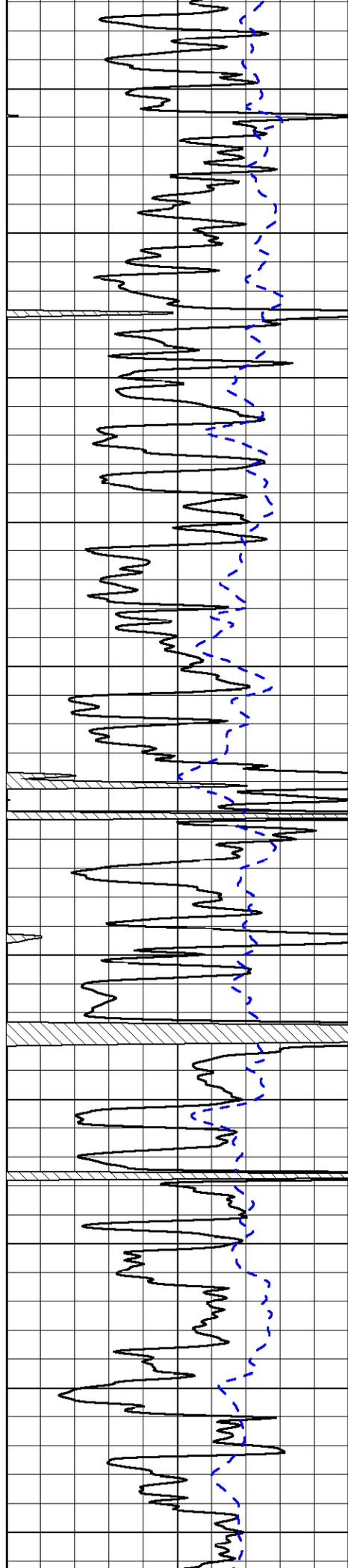
1000
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500











3200

3250

3300

3350

3400

3450

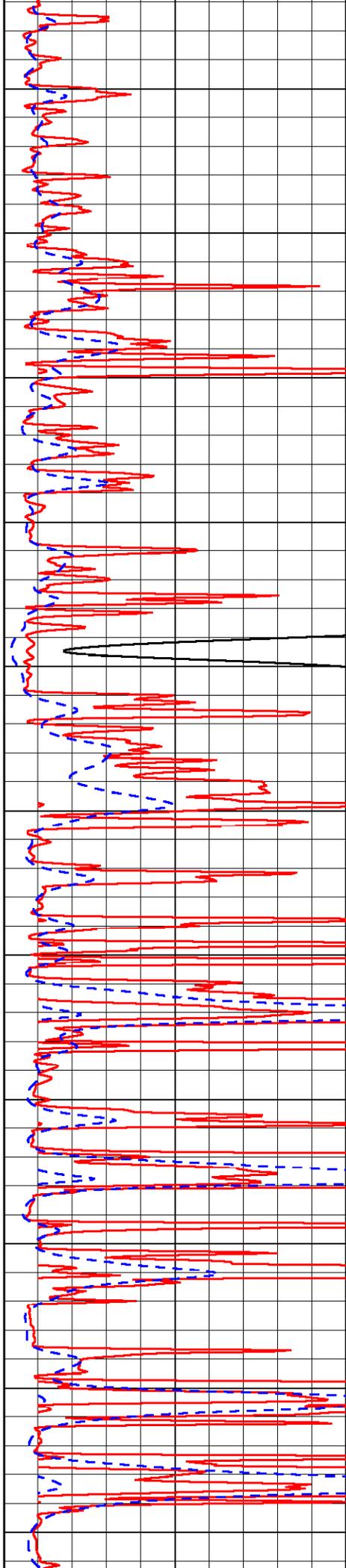
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3600

3650

3700



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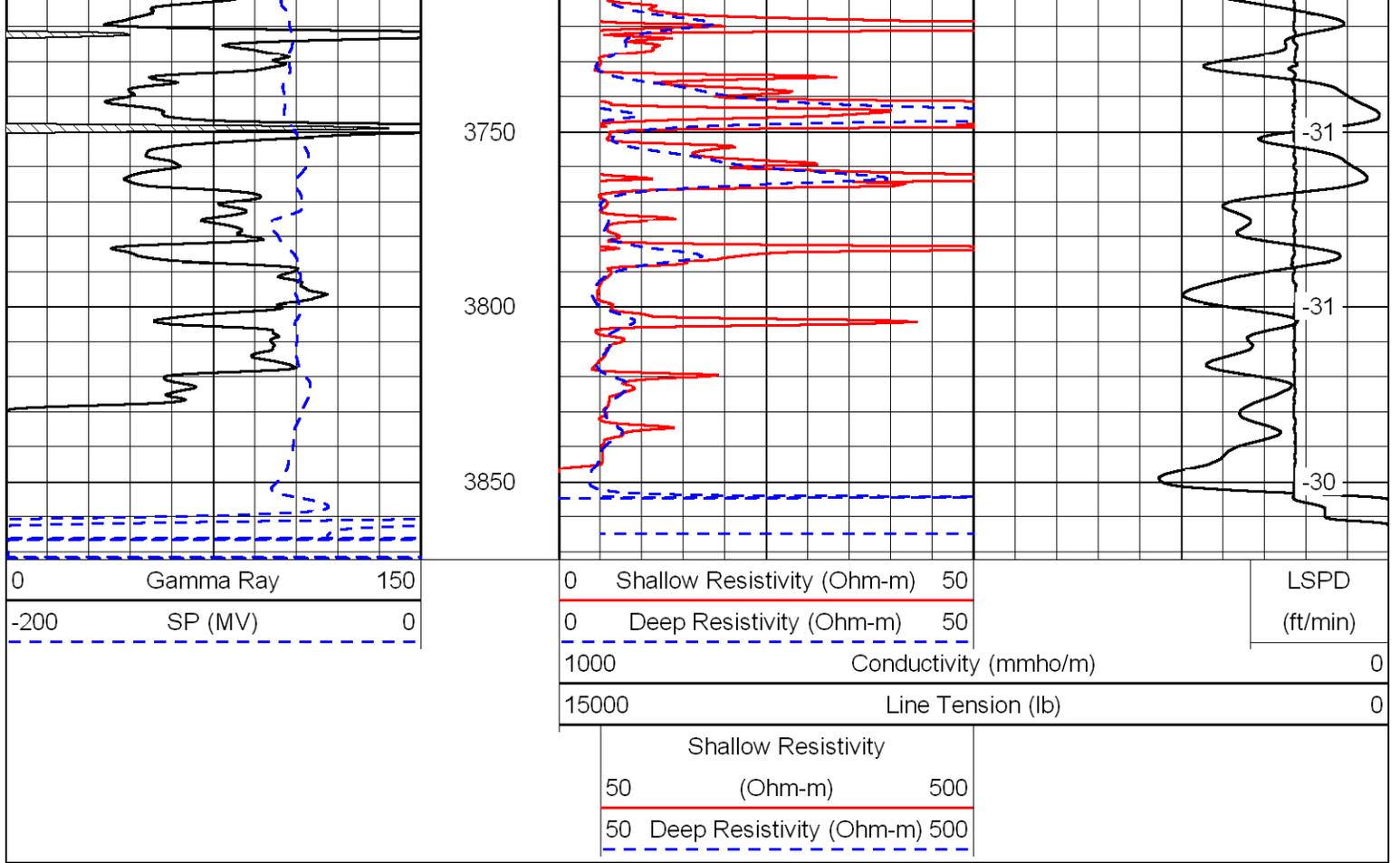
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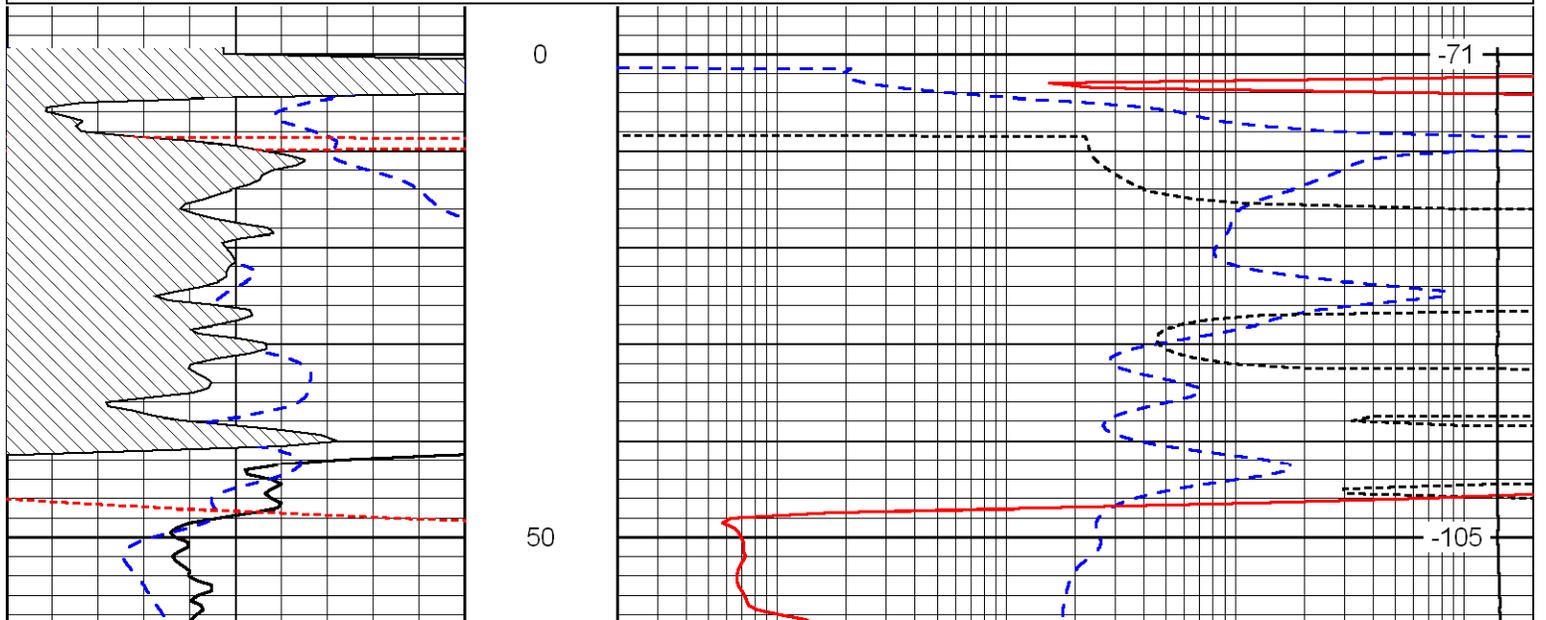
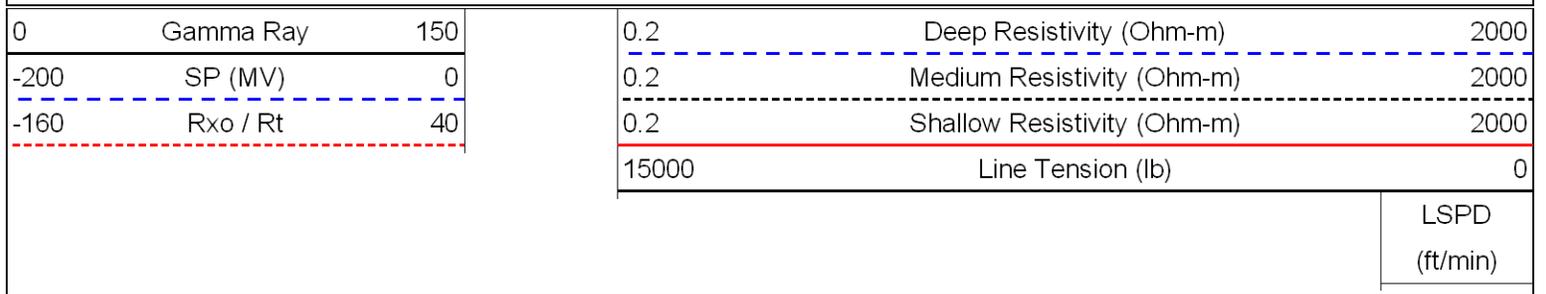
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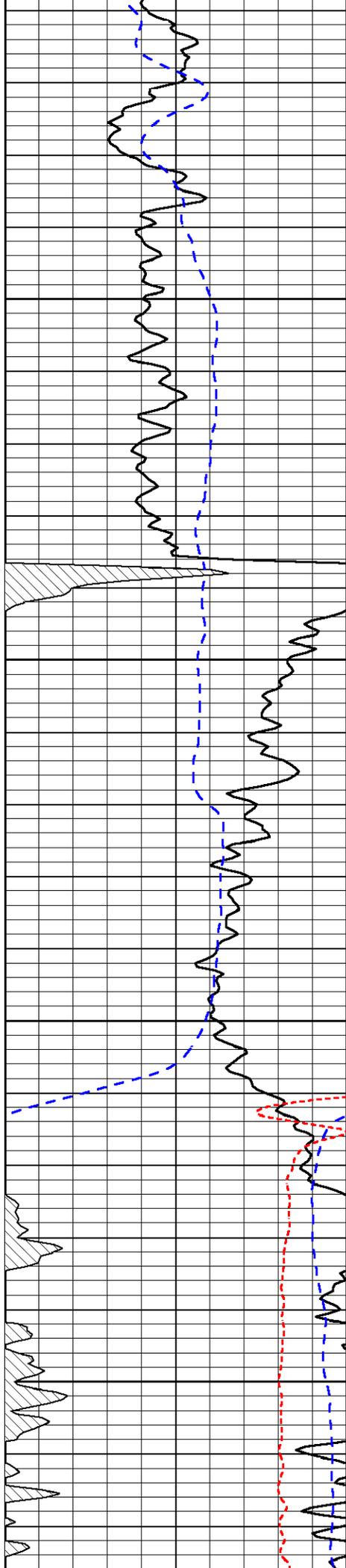
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 Charted by: Depth in Feet scaled 1:240



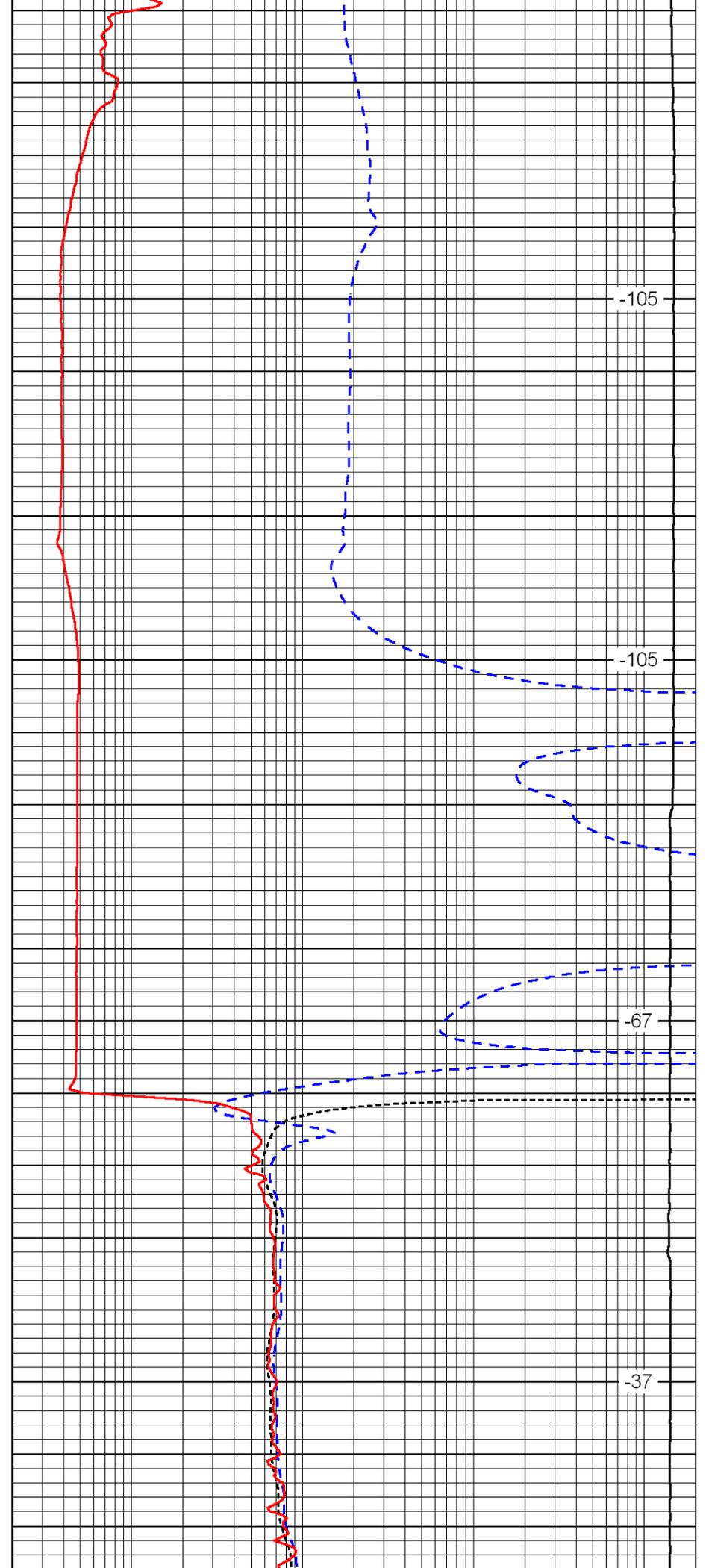


100

150

200

250

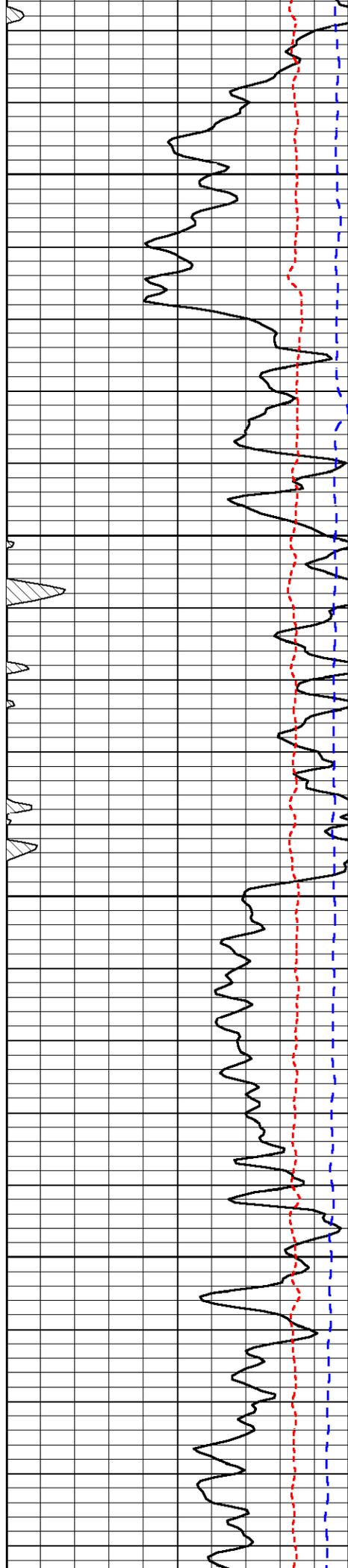


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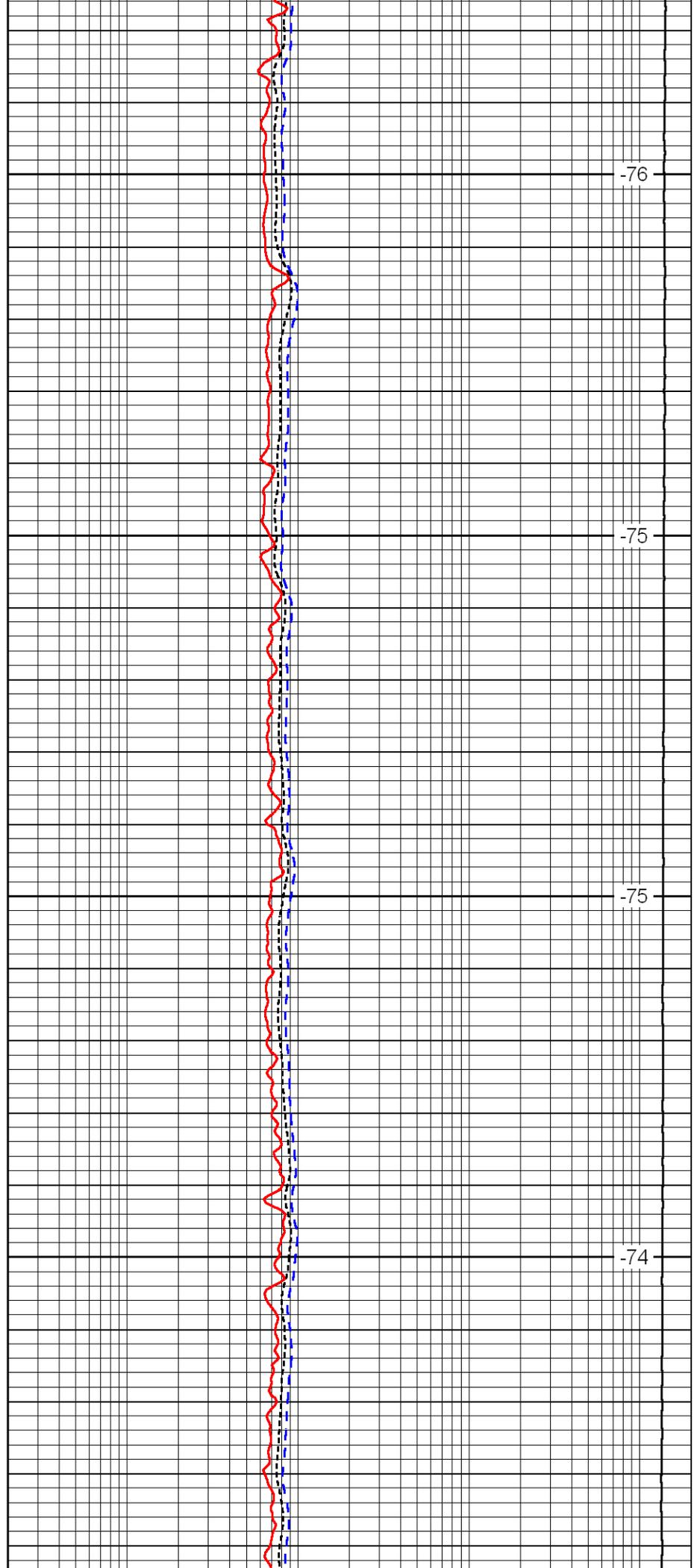


300

350

400

450

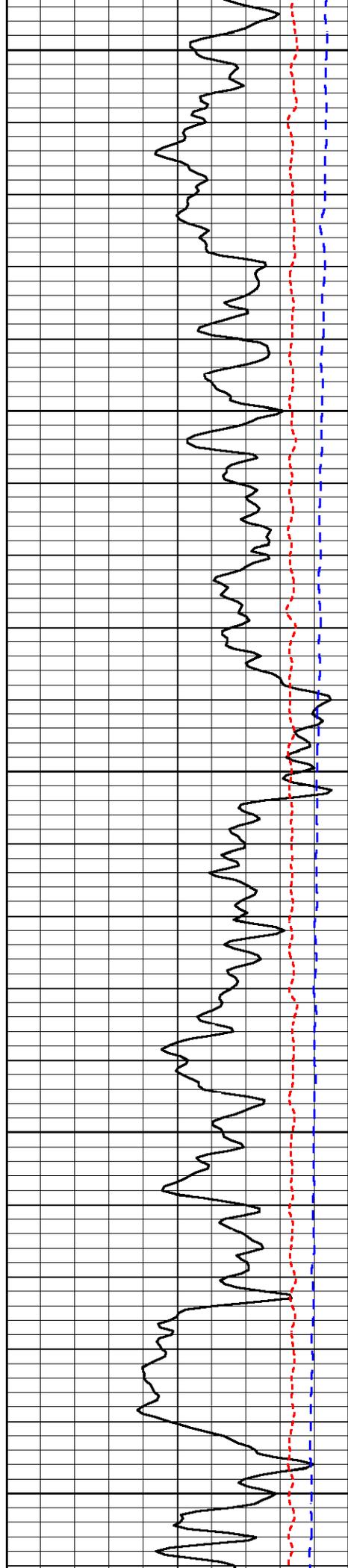


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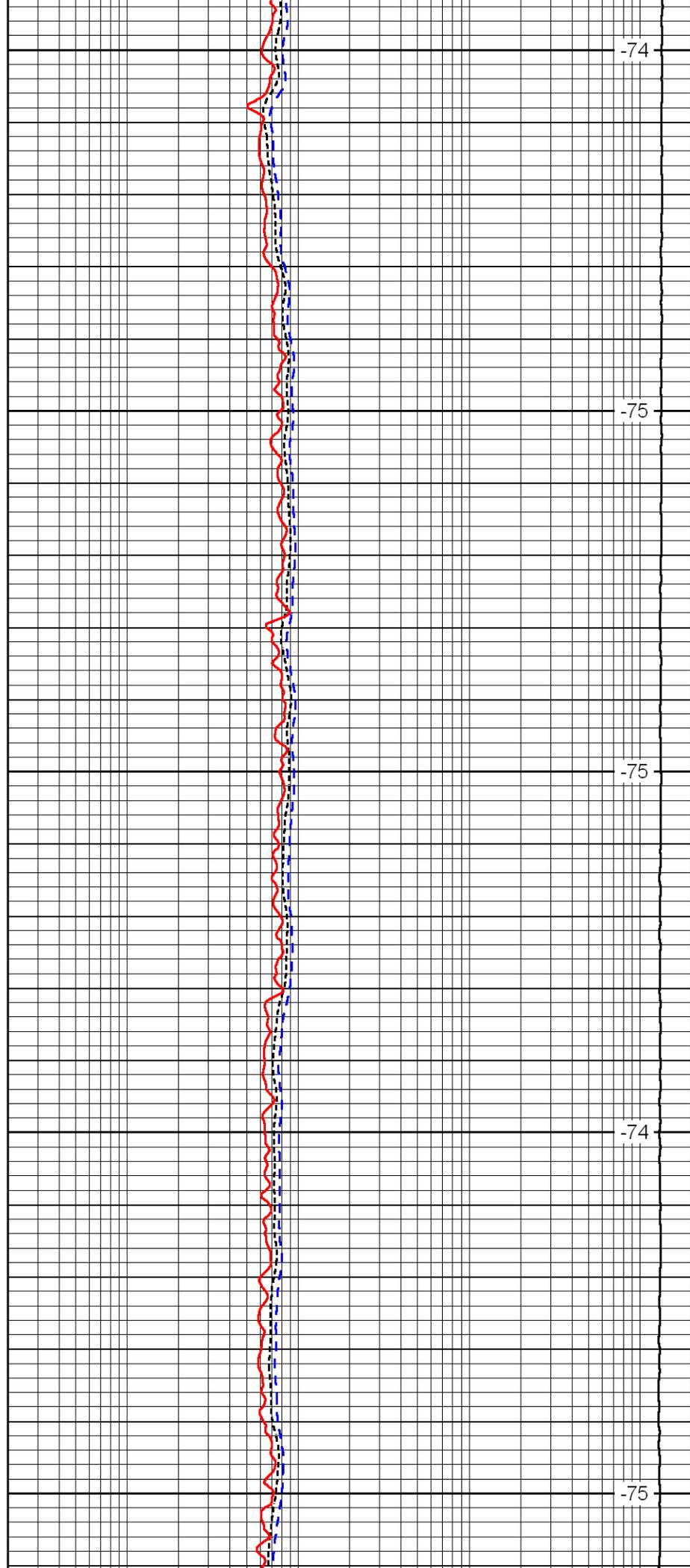
500

550

600

650

700



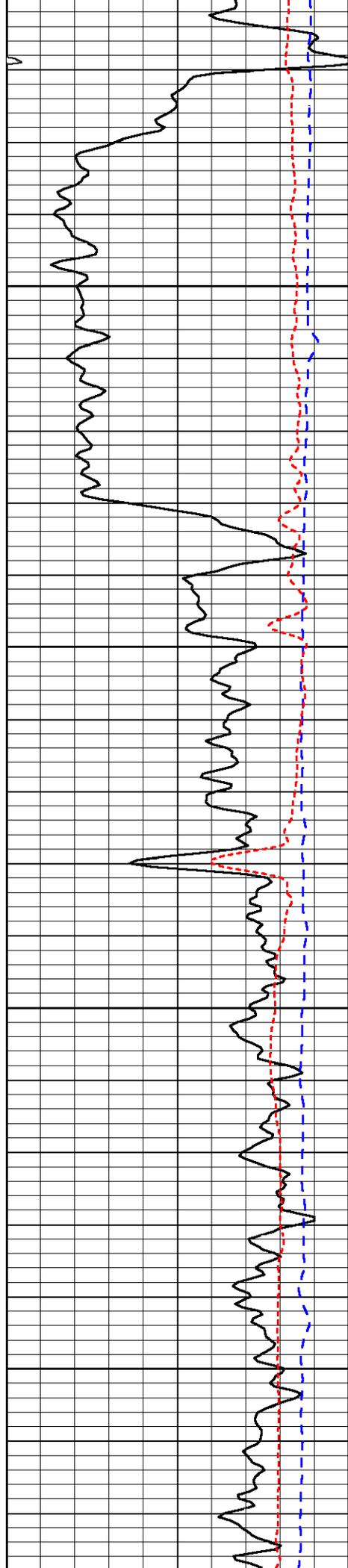
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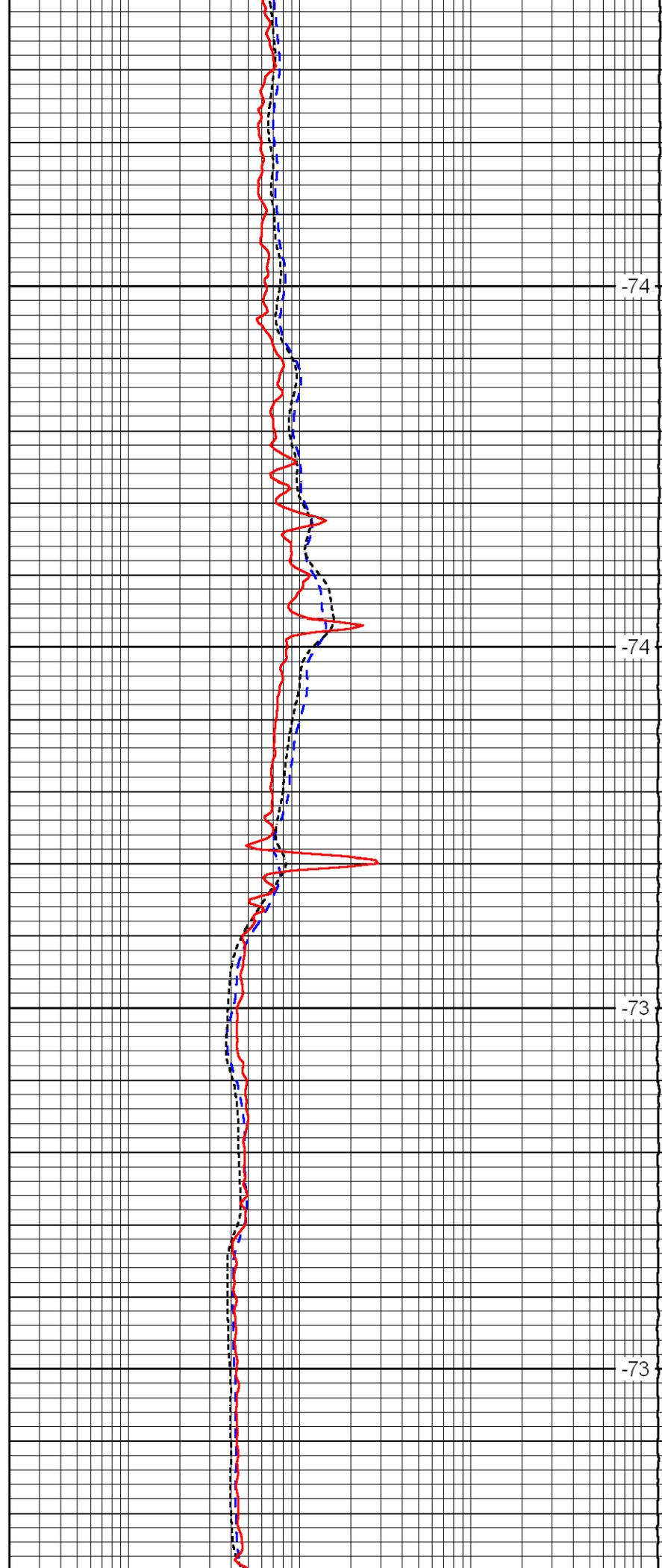


750

800

850

900

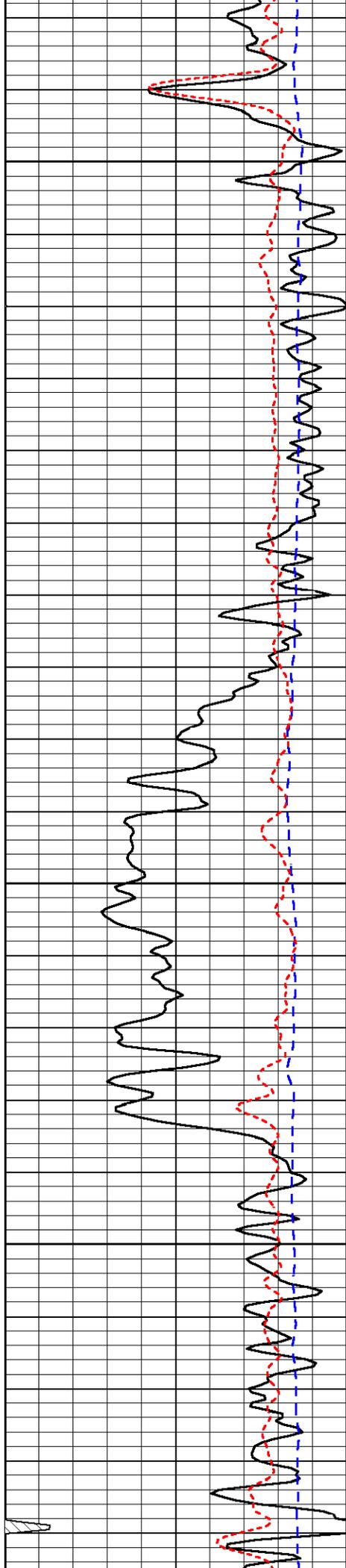


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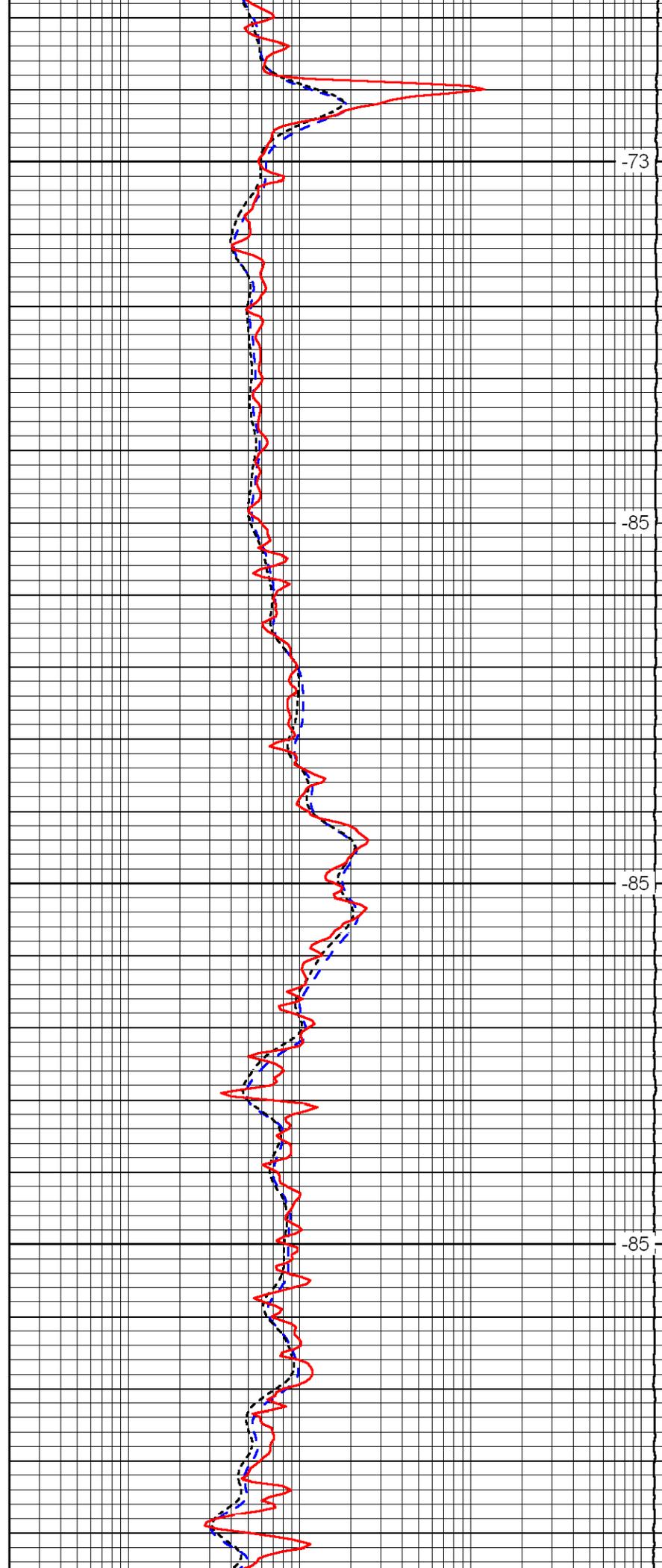


950

1000

1050

1100

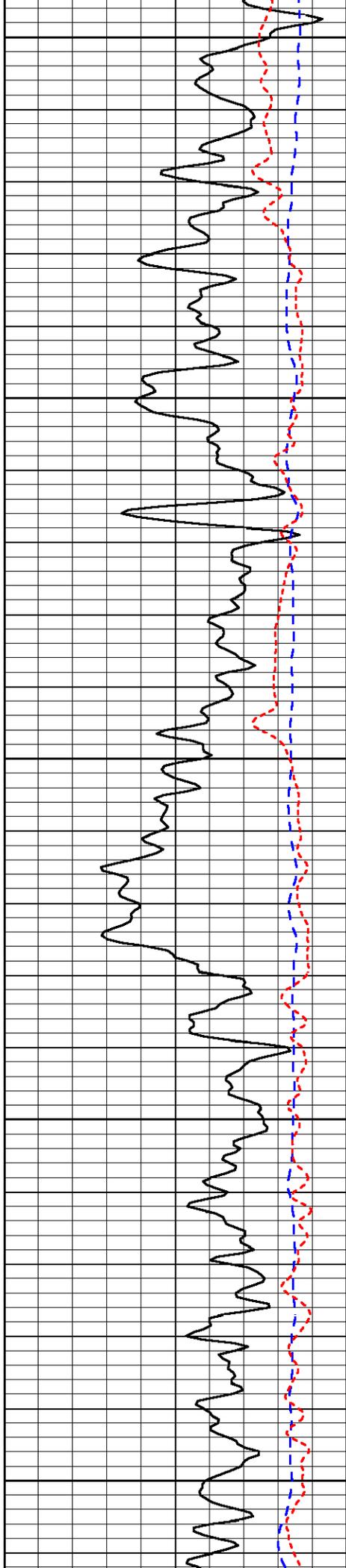


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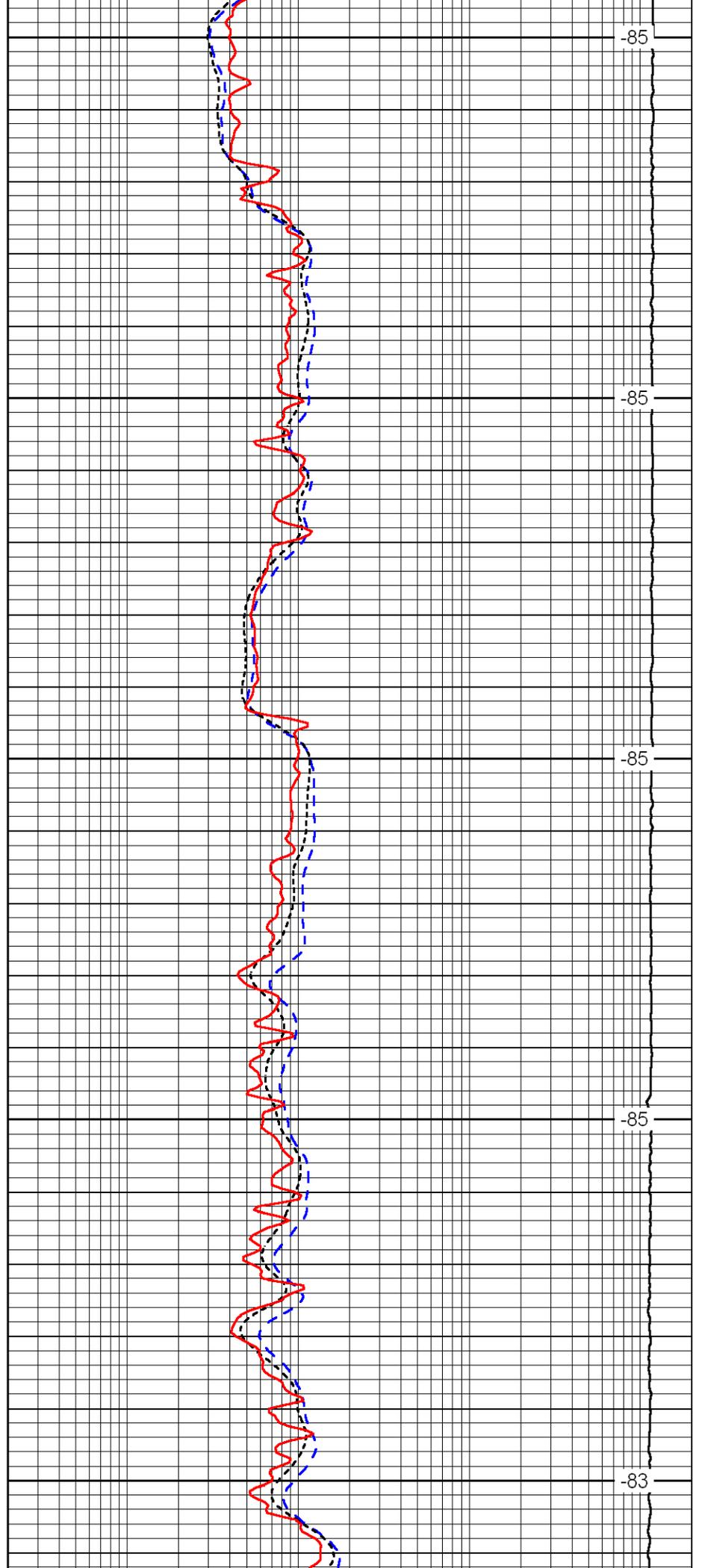
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1200

1250

1300

1350



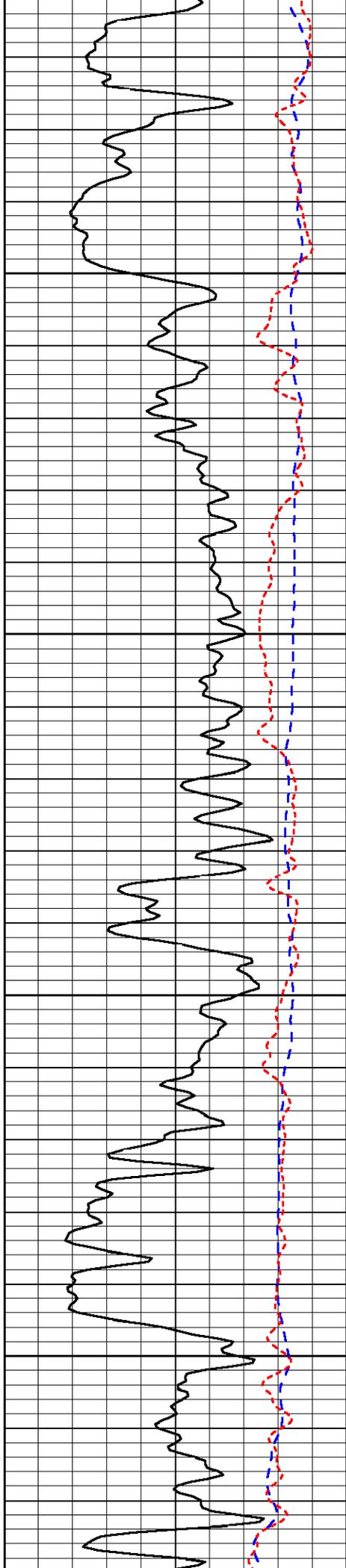
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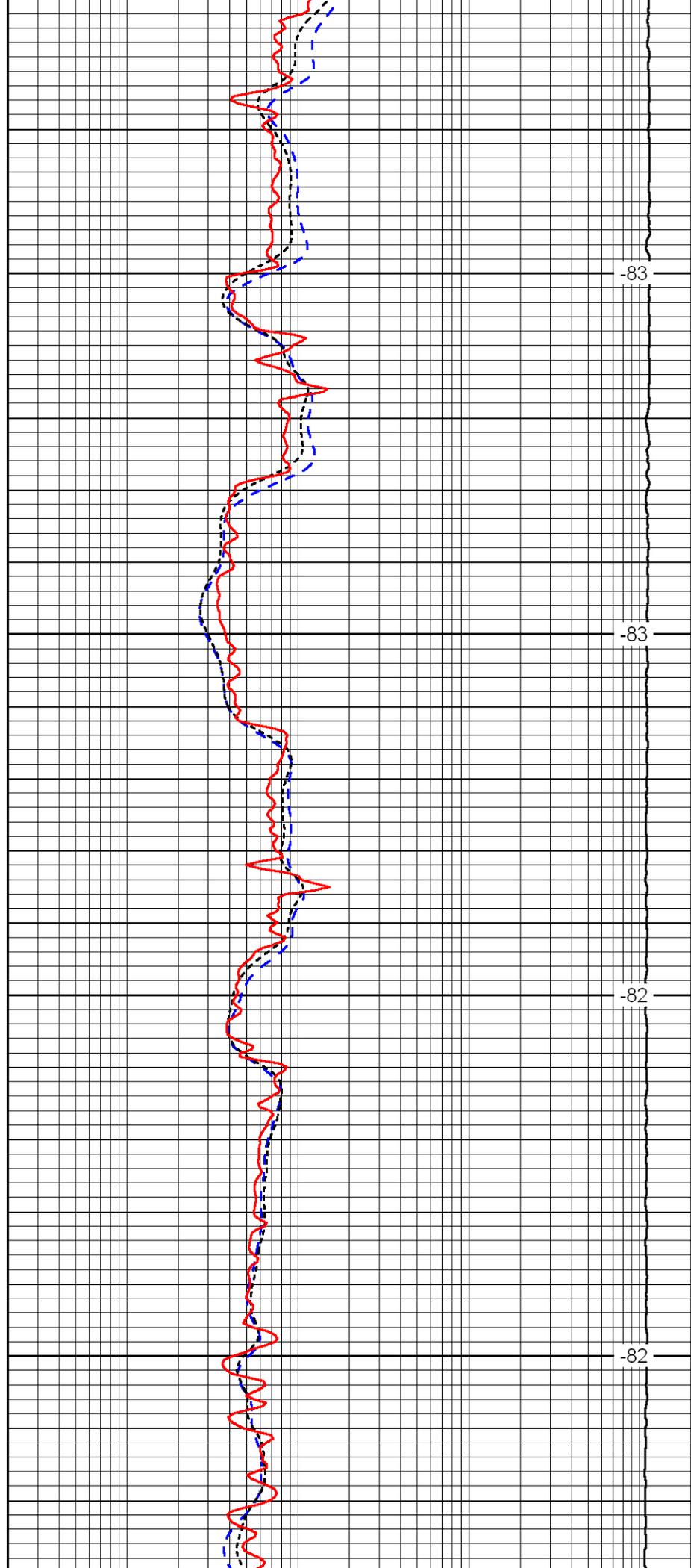


1400

1450

1500

1550

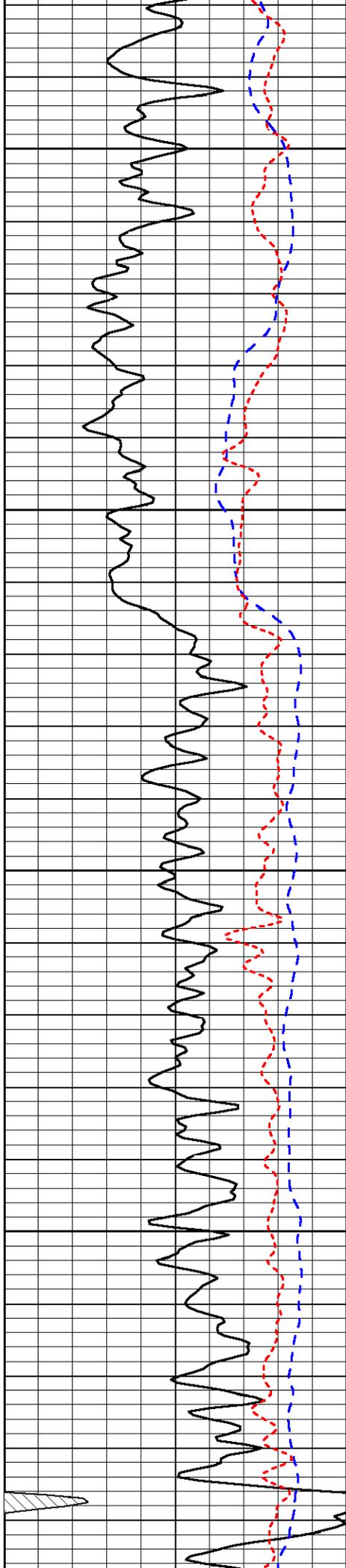


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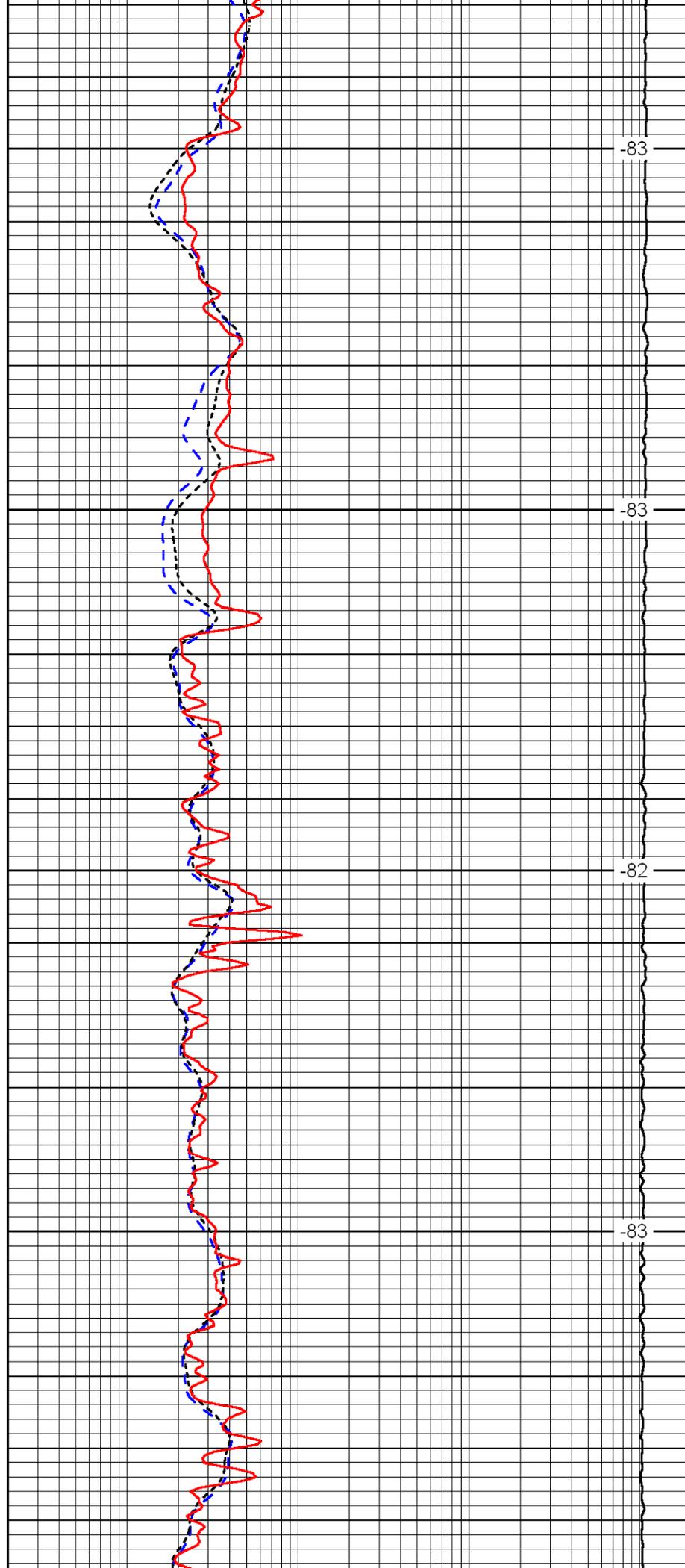


1600

1650

1700

1750

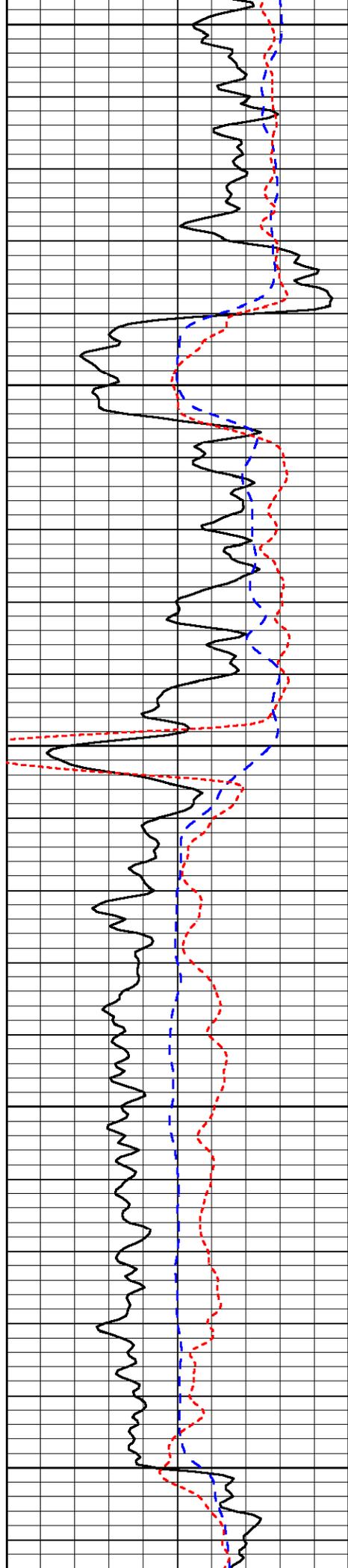


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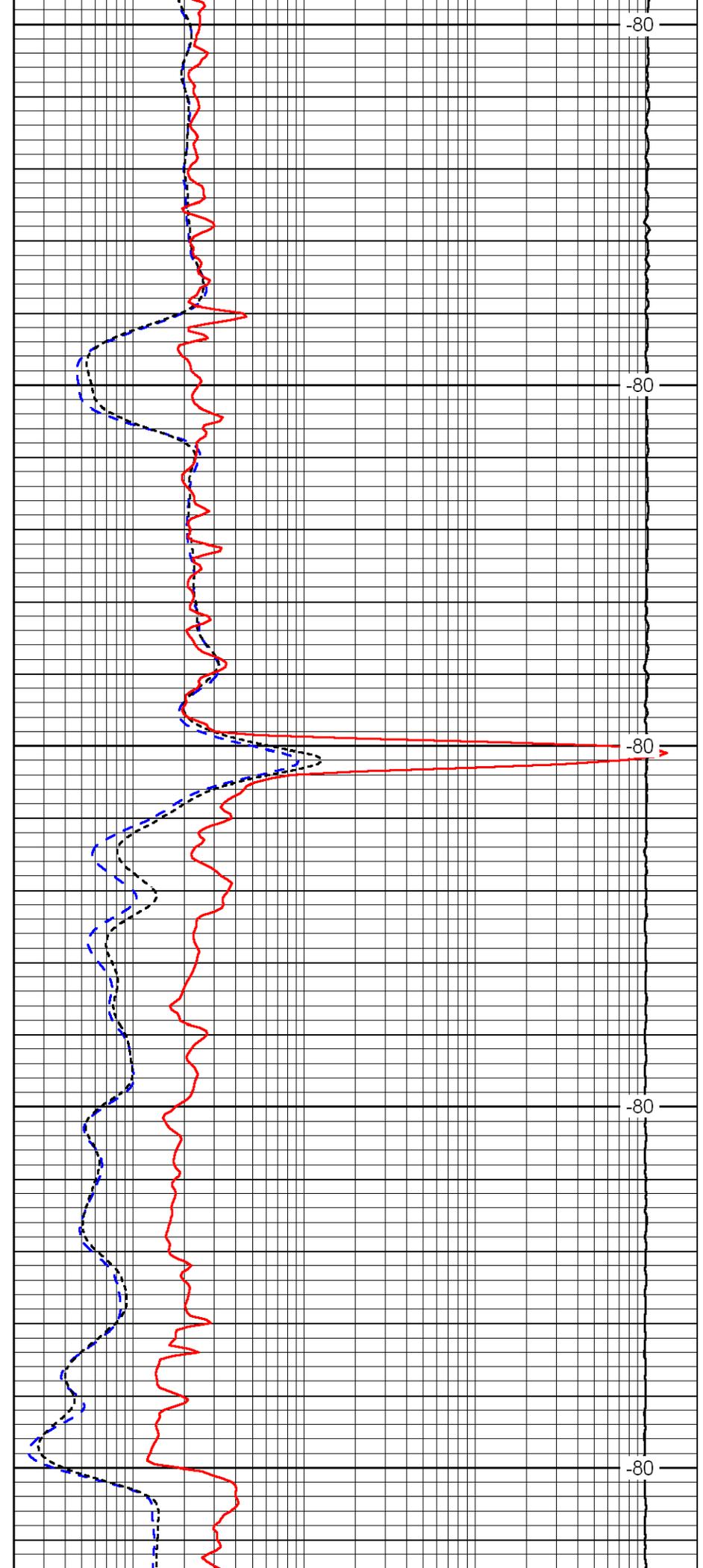
1800

1850

1900

1950

2000



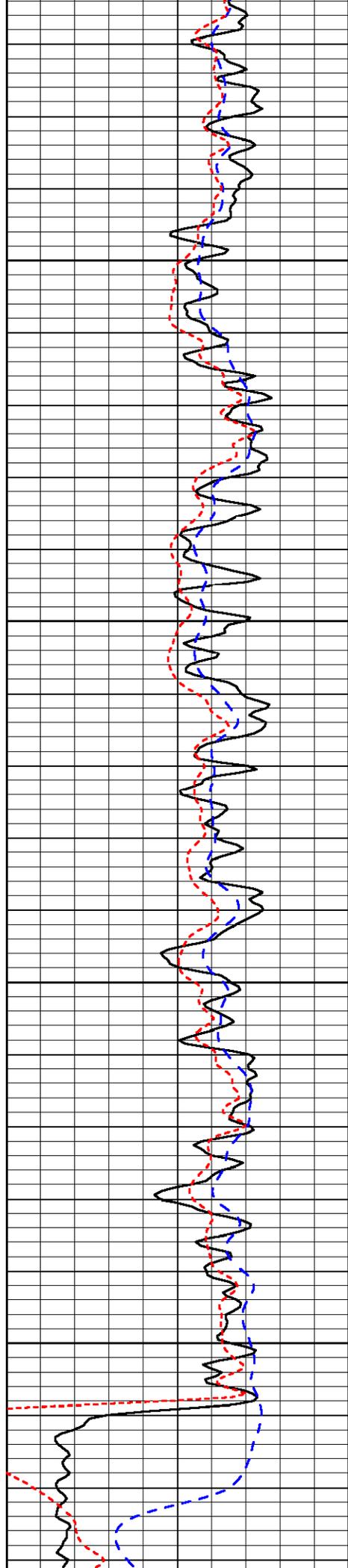
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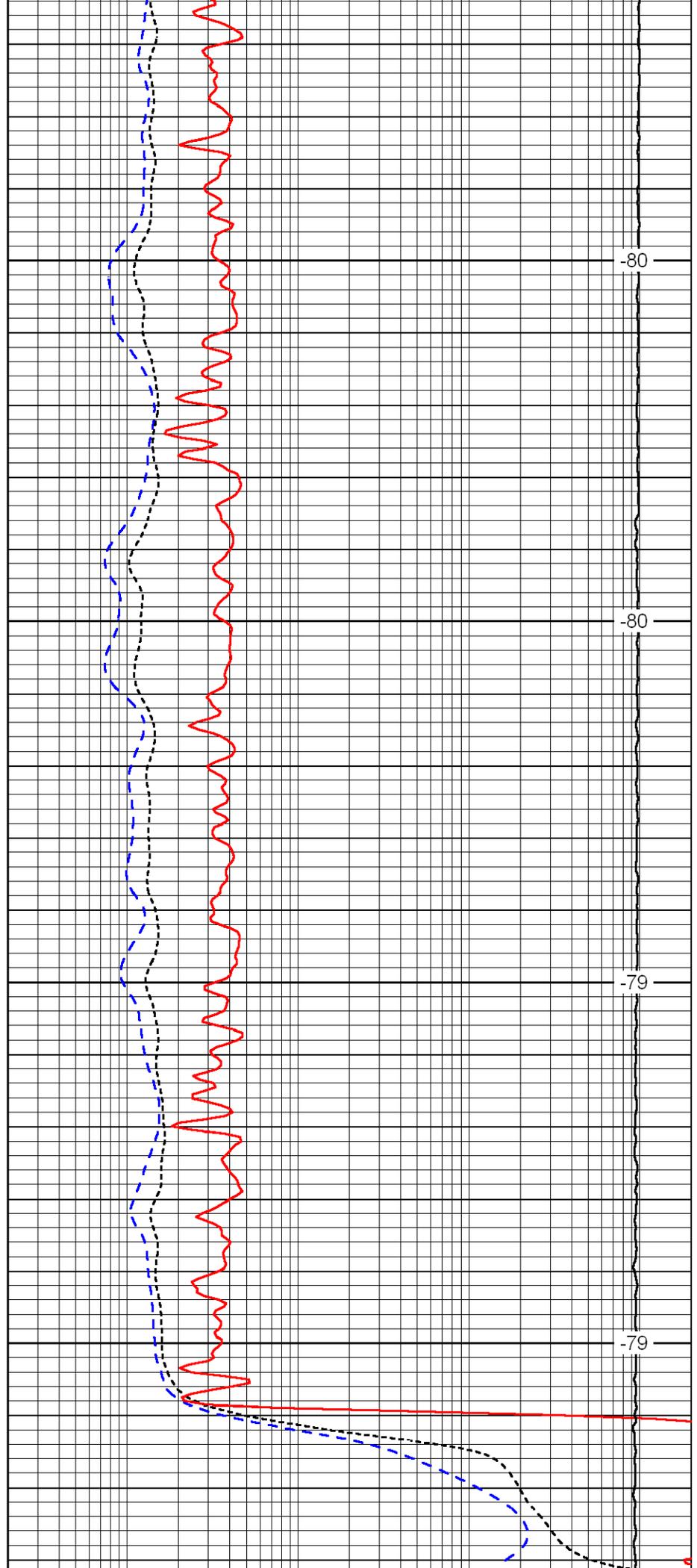


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2100

2150

2200

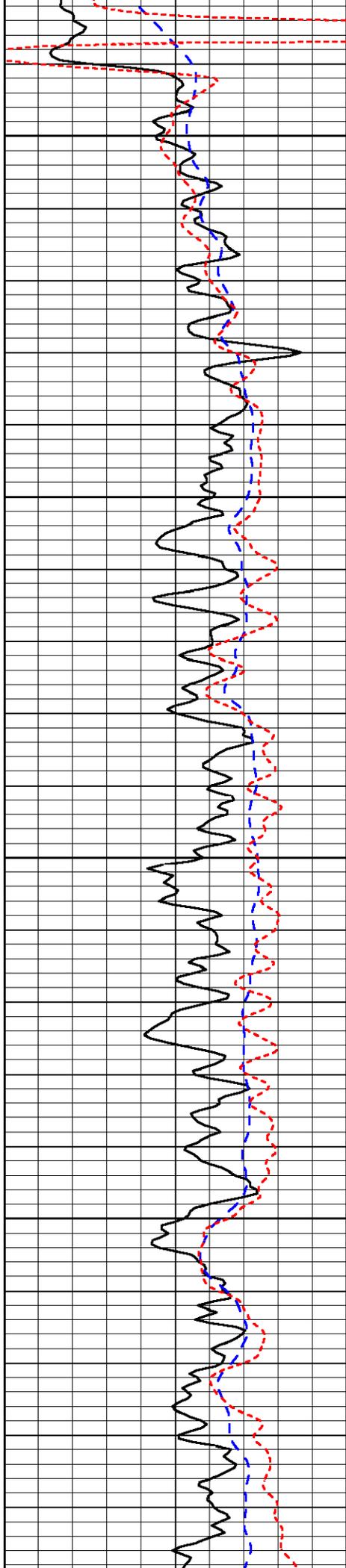


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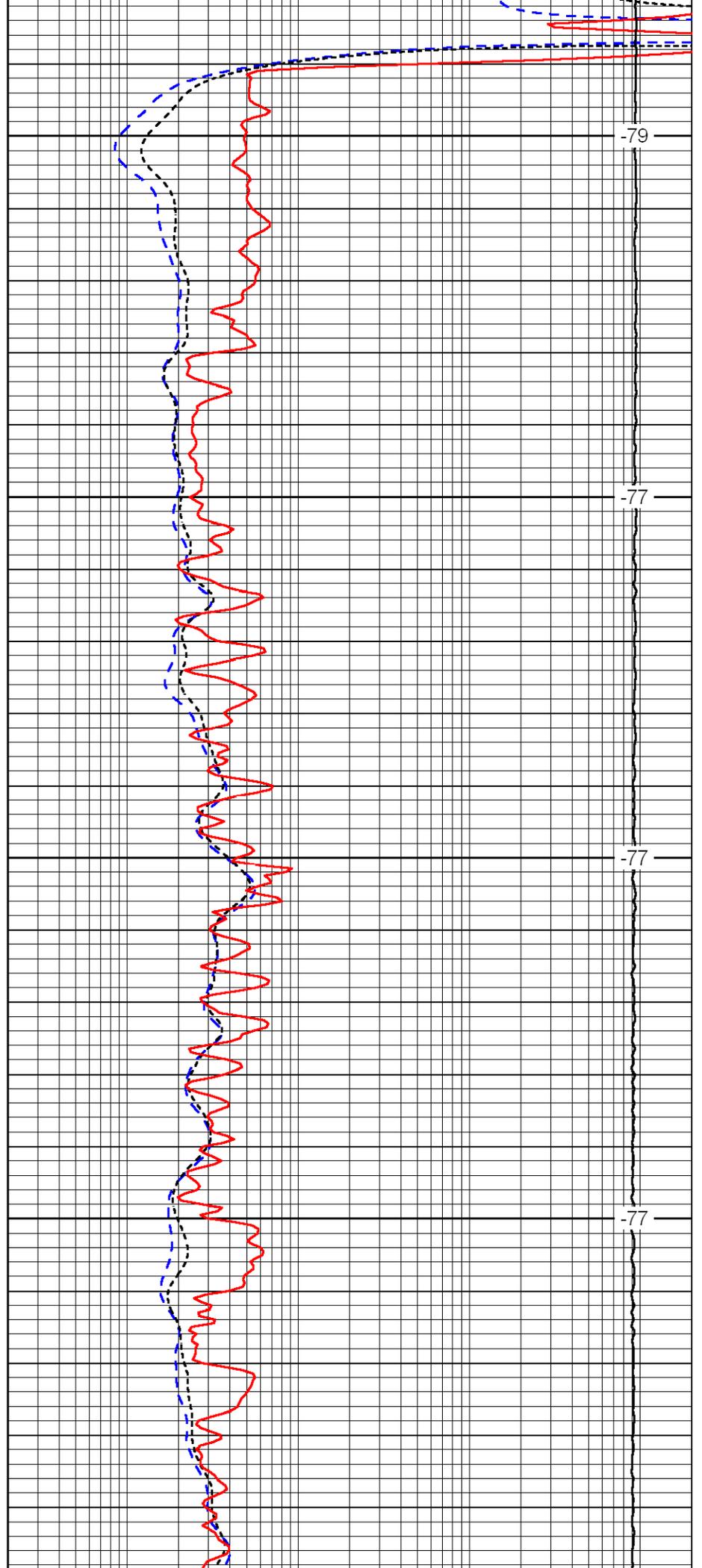


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2300

2350

2400

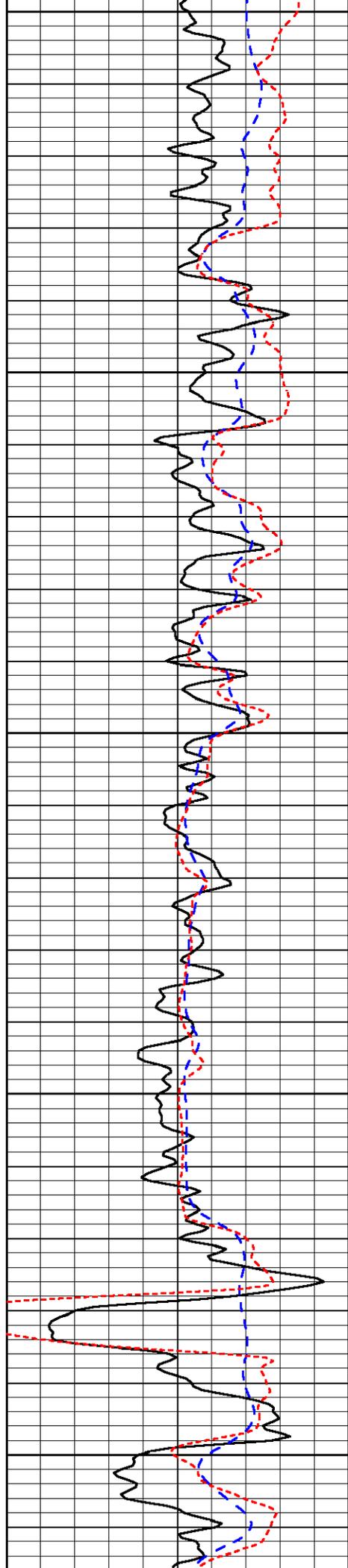


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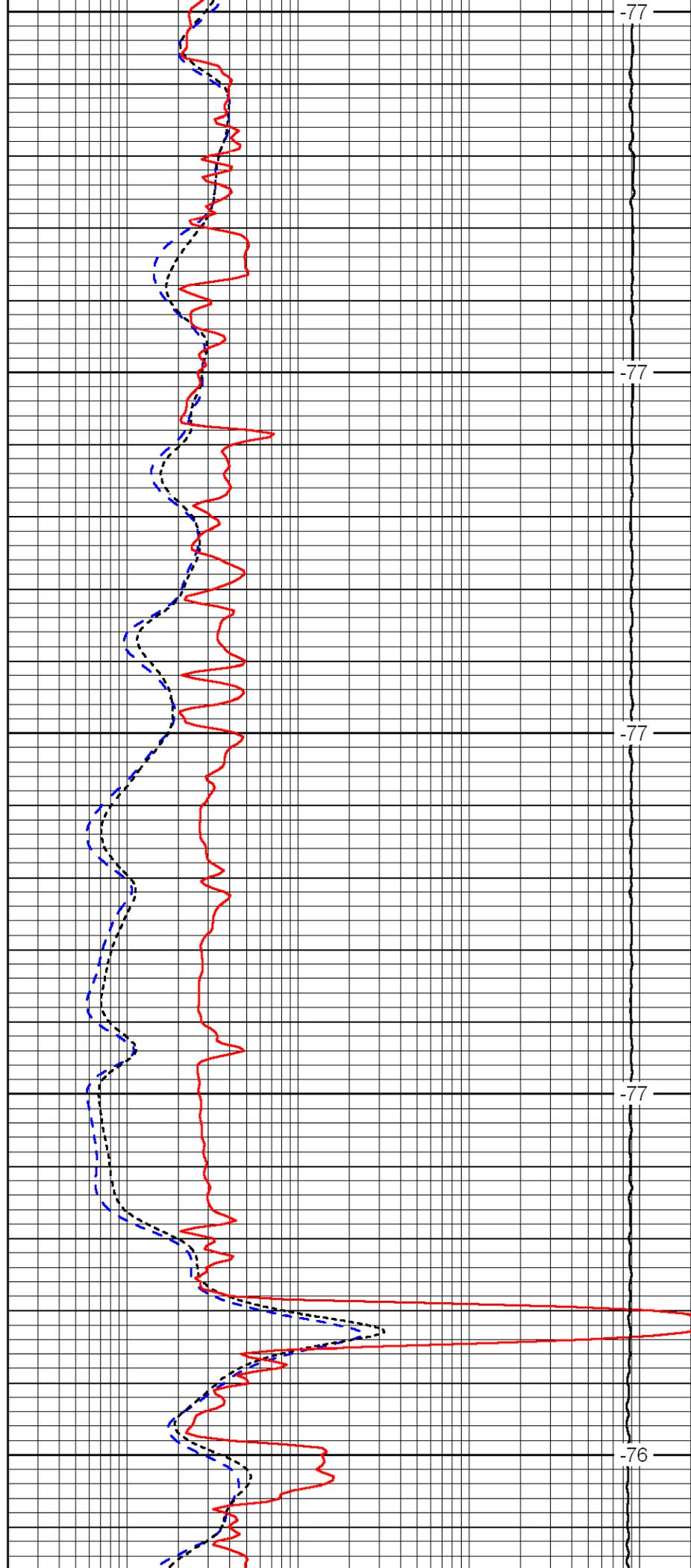
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2500

2550

2600

2650



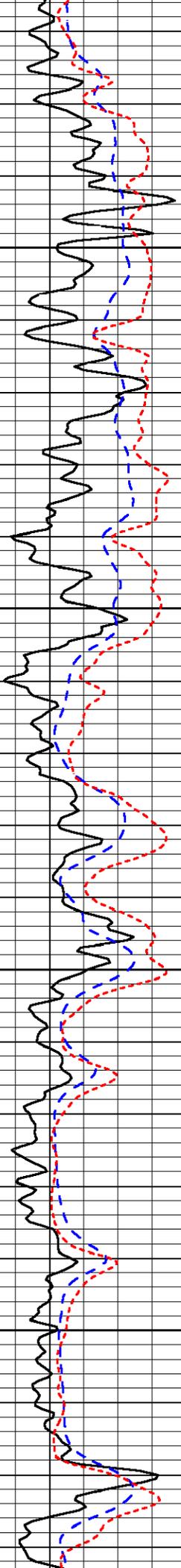
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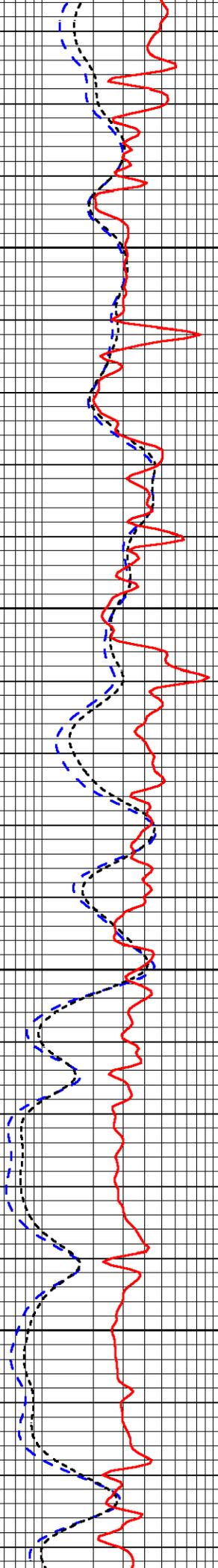


2700

2750

2800

2850

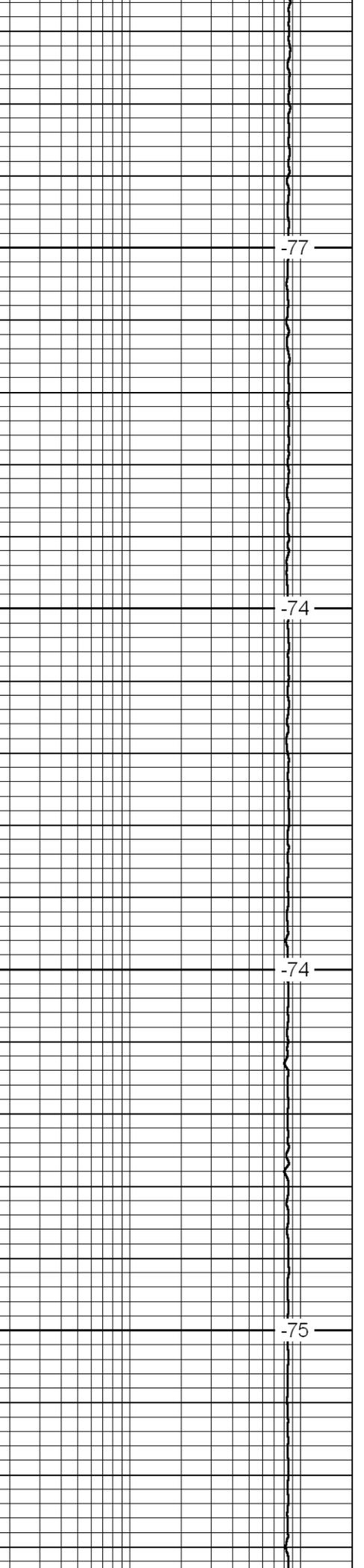


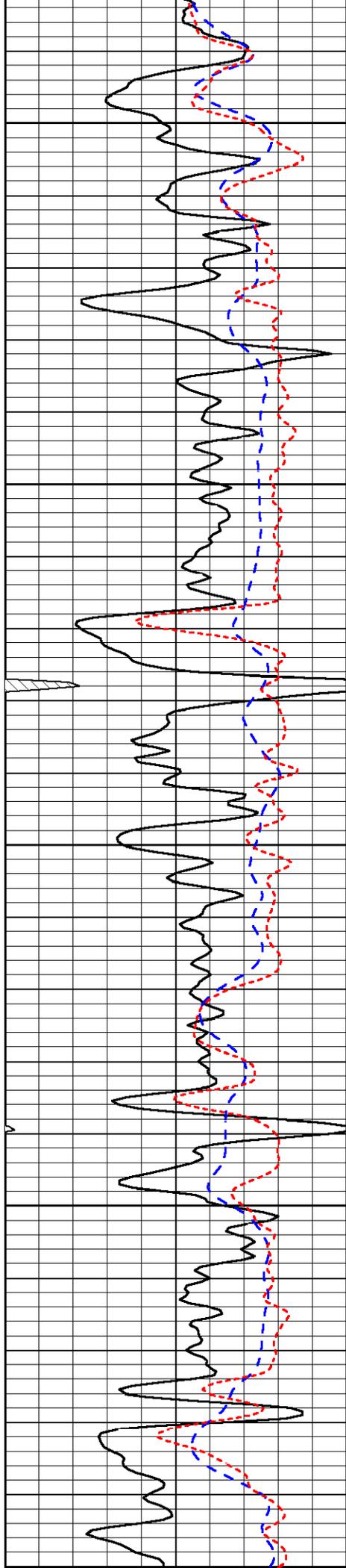
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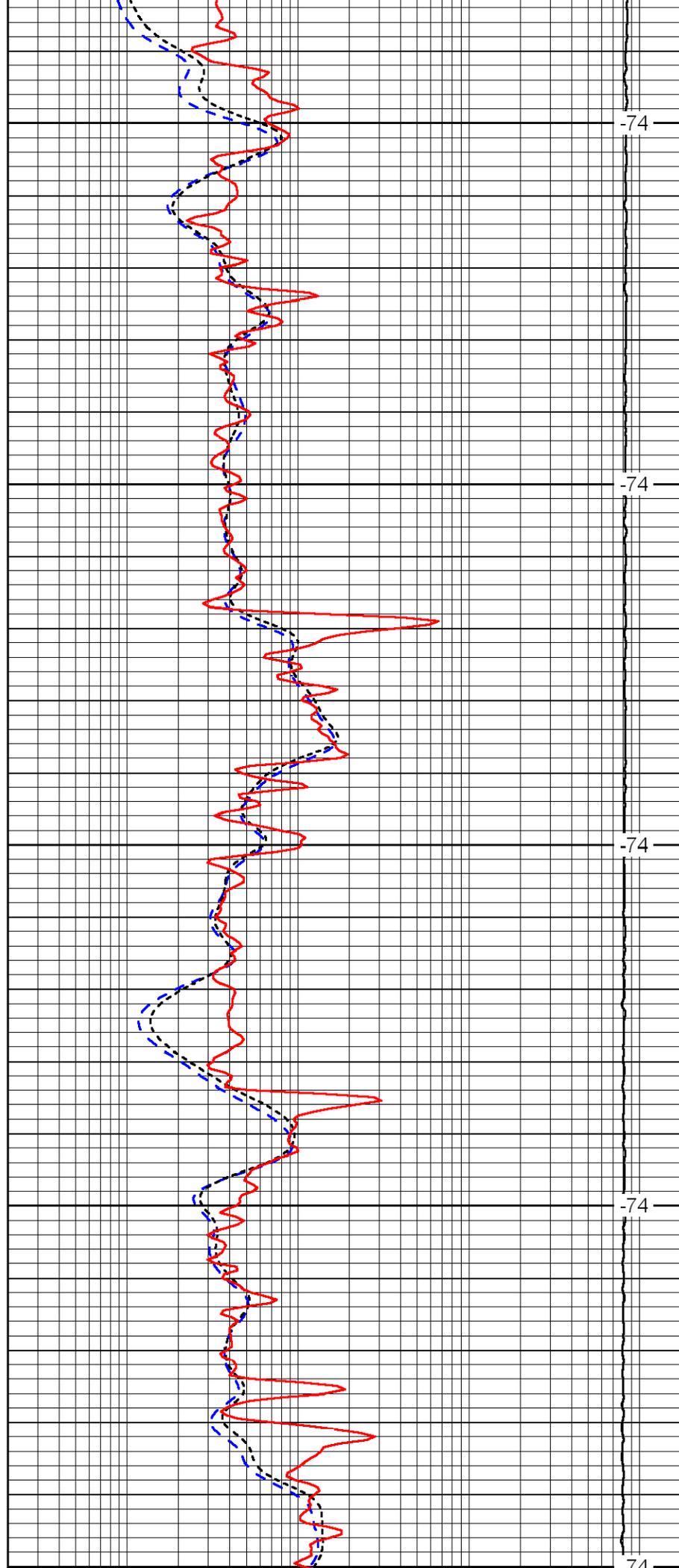
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2950

3000

3050

3100



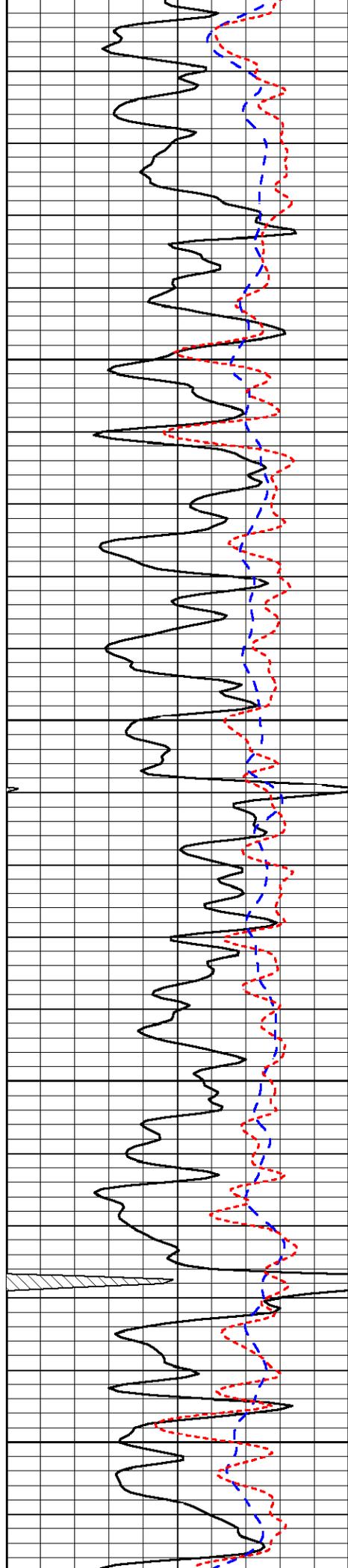
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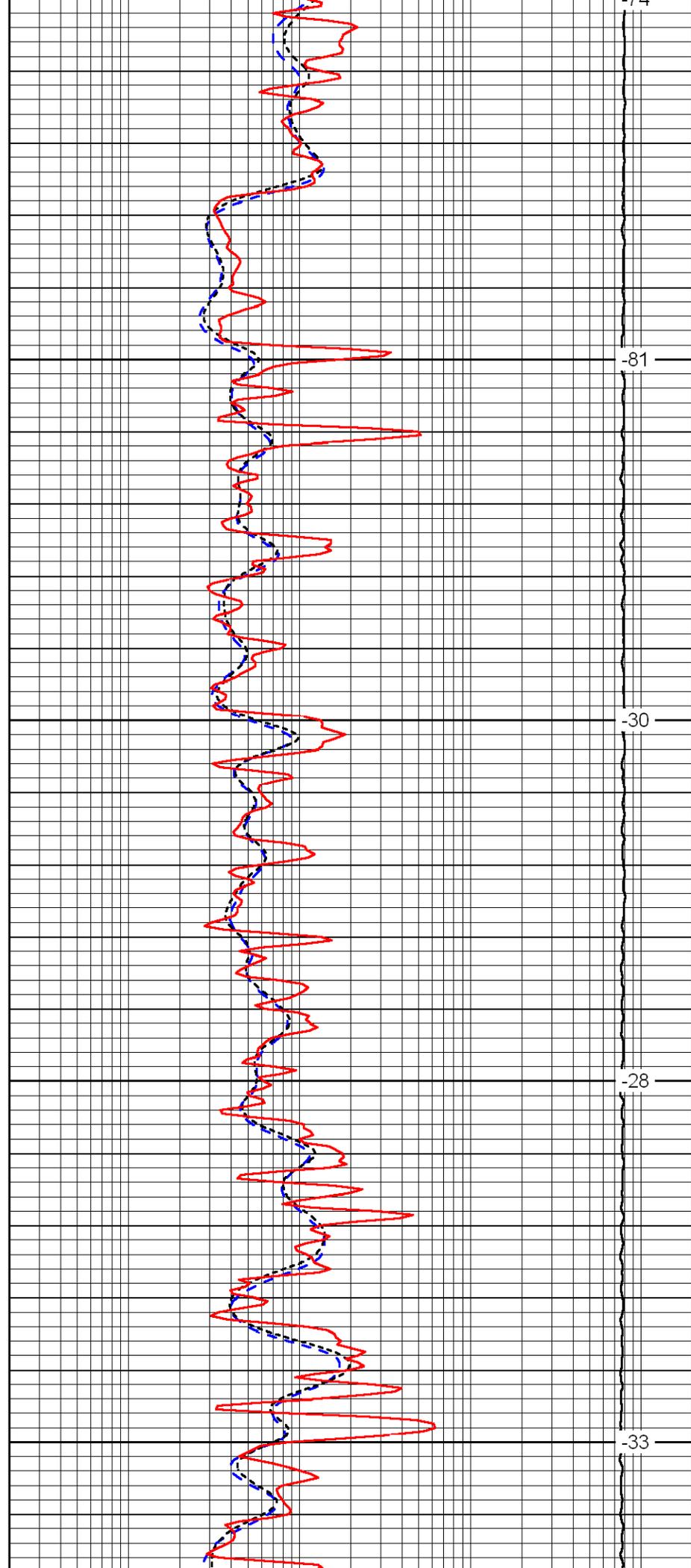
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3150

3200

3250

3300



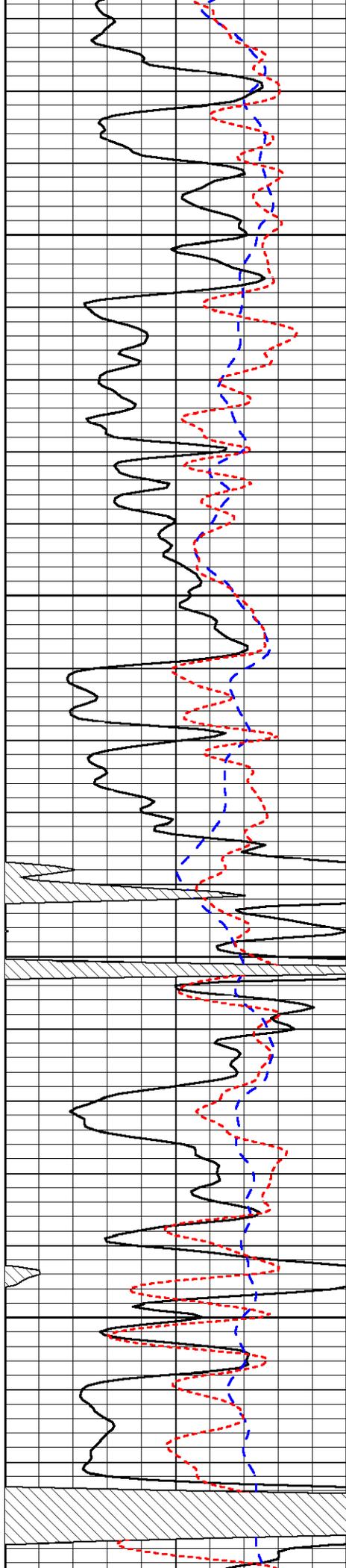
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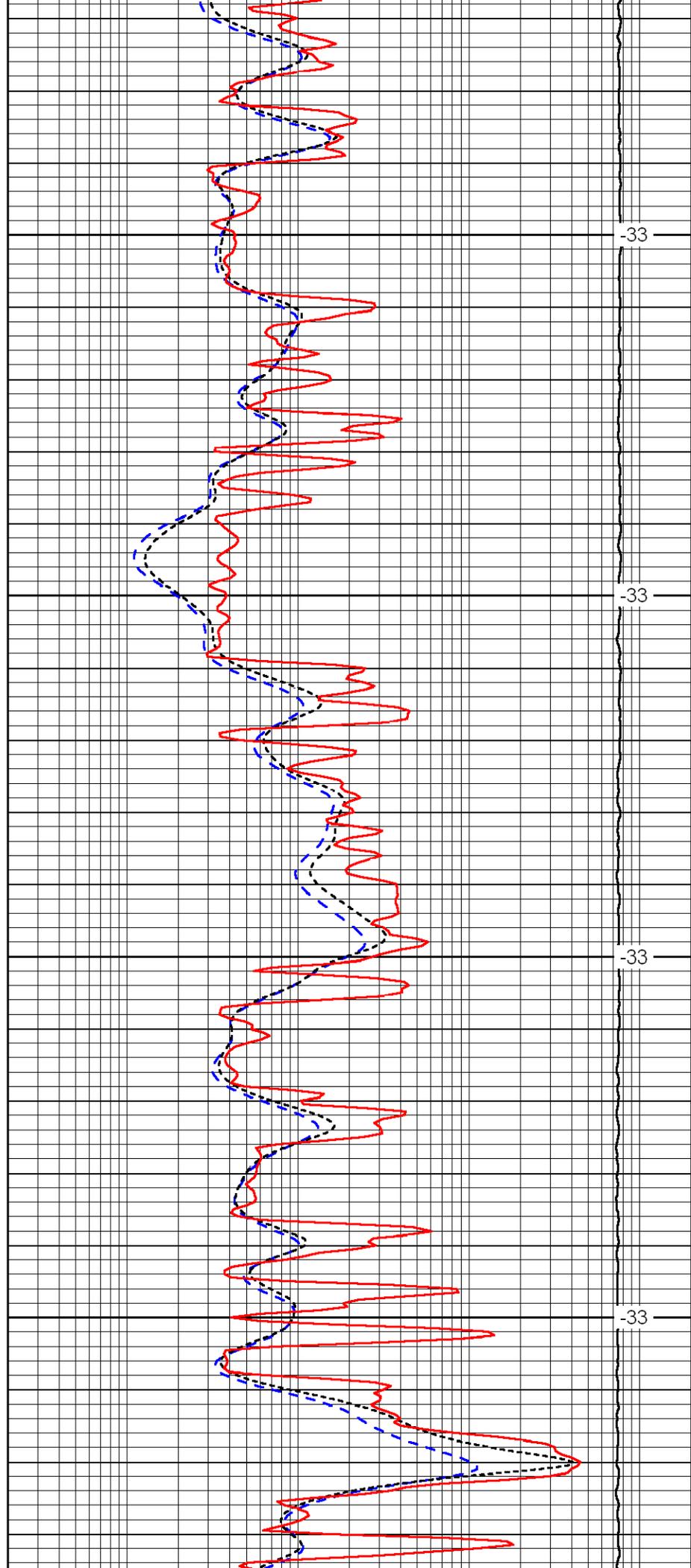


3350

3400

3450

3500

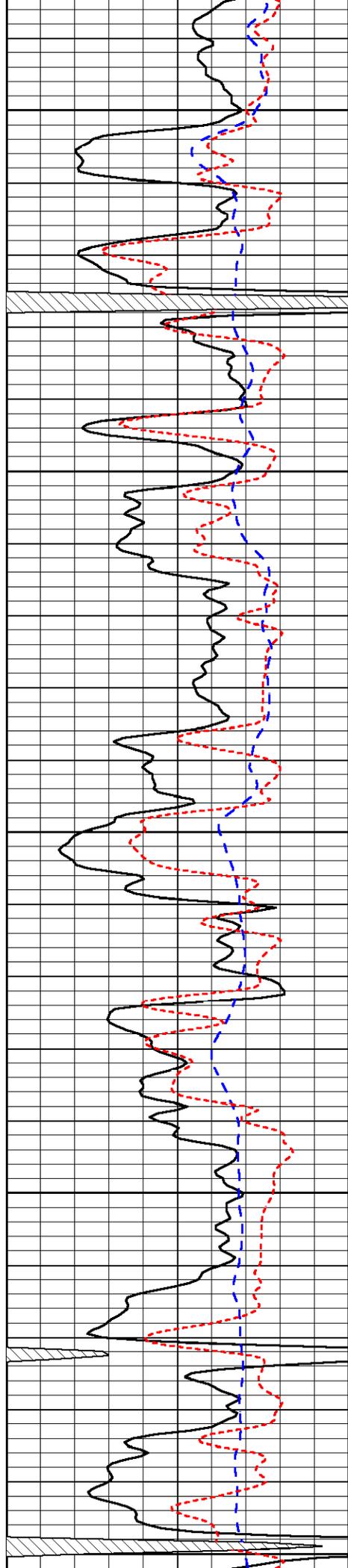


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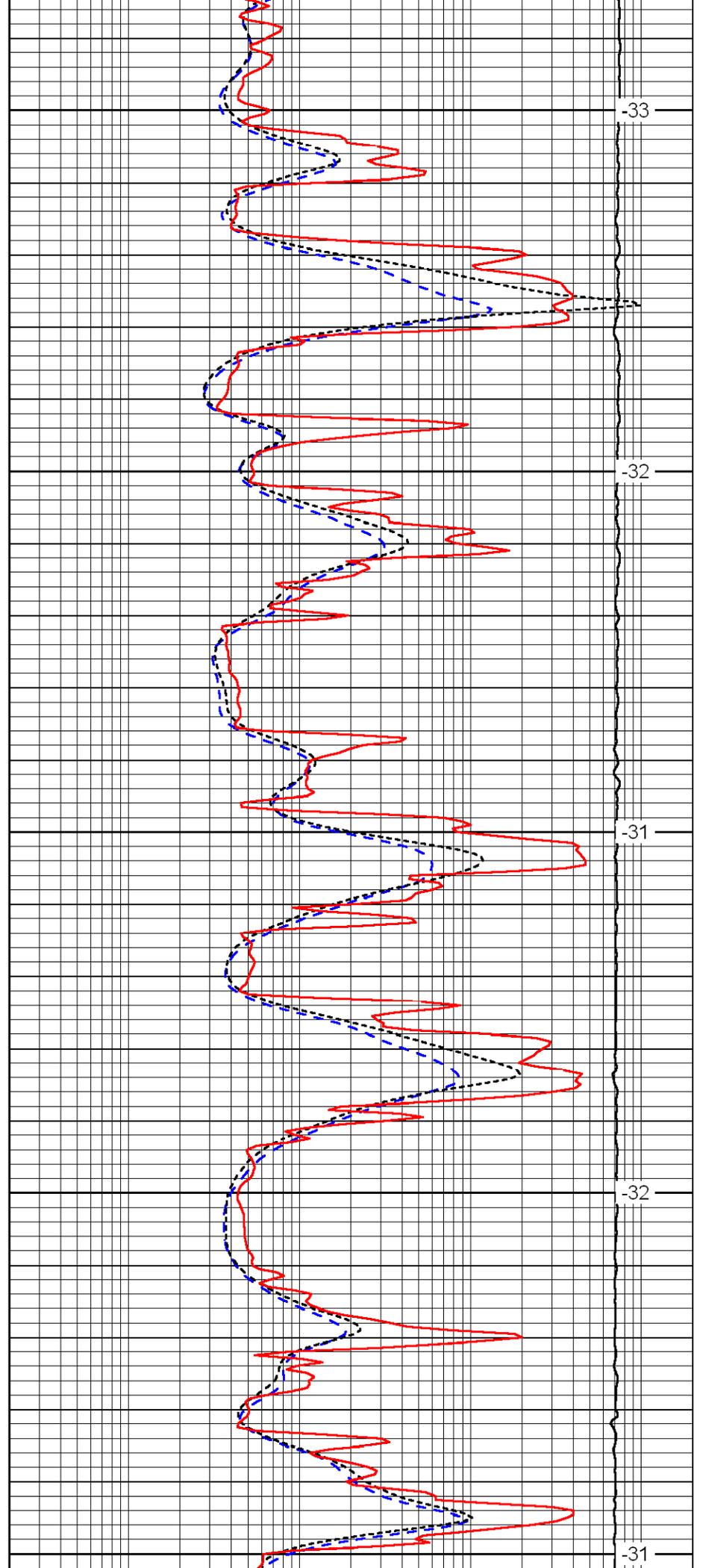
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3600

3650

3700

3750



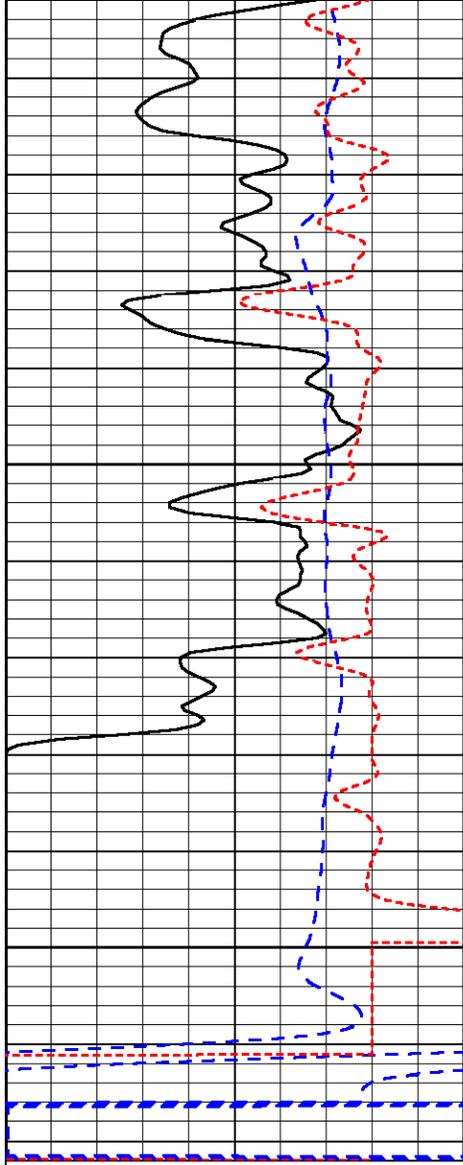
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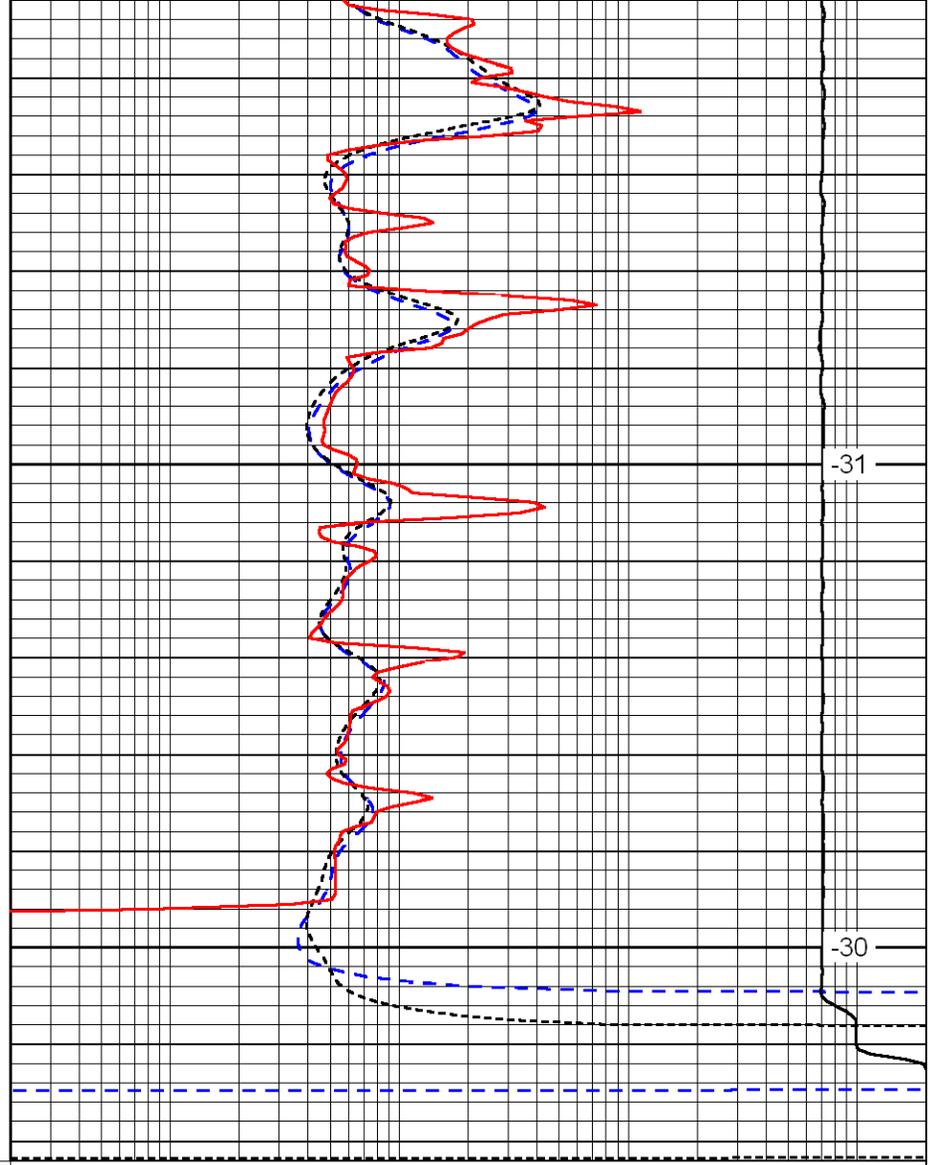
-31



3800

3850

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



-31

-30

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)