



# Dual Induction Log

**DIGITAL LOG (785) 625-3858**

API No.	15-039-21125-00-00	
Company	Murfin Drilling Company, Inc.	
Well	Moore 'A' No 1-21	
Field	Wildcat	
County	Decatur	State Kansas
Location	1160' FSL & 1620' FEL	
Sec: 21	Twp: 1 S	Rge: 29 W
Permanent Datum	Ground Level	Elevation 2727
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
		Other Services CNL/CDL MEL/BHCS
		Elevation K.B. 2732 D.F. 2727 G.L. 2727

Date	2/28/2011	
Run Number	One	
Depth Driller	3965	
Depth Logger	3966	
Bottom Logged Interval	3965	
Top Log Interval	0	
Casing Driller	8.625 @ 263	
Casing Logger	261	
Bit Size	7.875	
Type Fluid in Hole	Chemical	
Salinity, ppm CL	2.000	
Density / Viscosity	9.2	50
pH / Fluid Loss	11.0	6.4
Source of Sample	Flowline	
Rm @ Meas. Temp	1.90 @ 60	
Rmf @ Meas. Temp	1.43 @ 60	
Rmc @ Meas. Temp	2.57 @ 60	
Source of Rmf / Rmc	Charts	
Rm @ BHT	0.99 @ 116	
Operating Rig Time	5 Hours	
Max Rec. Temp. F	116	
Equipment Number	15	
Location	Hays	
Recorded By	B. Becker	
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, Ks; 10-1/2 North to Cedar Bluffs;  
West to stop sign; 1/4 South; 1 West;  
2-1/2 South; West and North Into

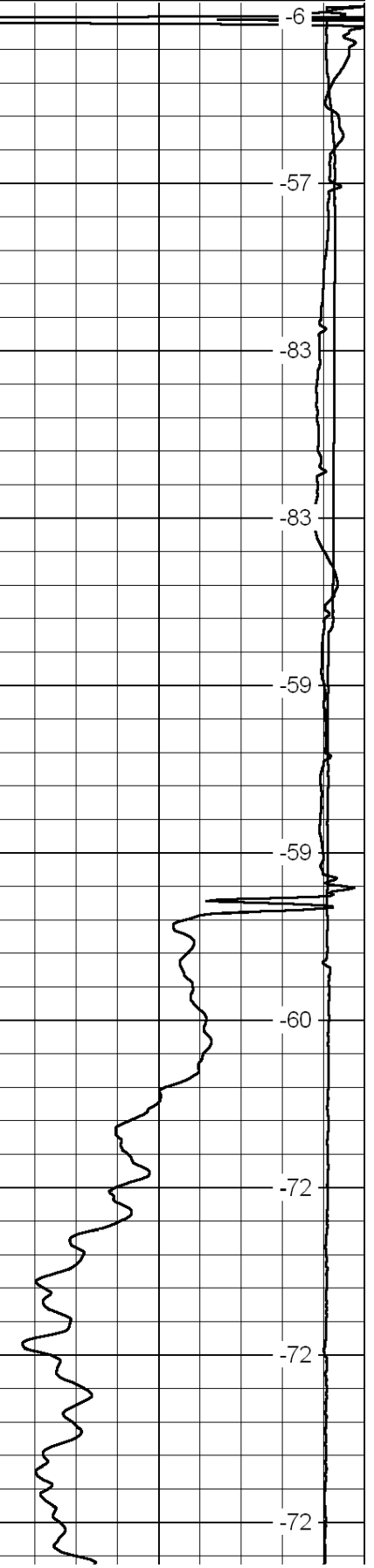
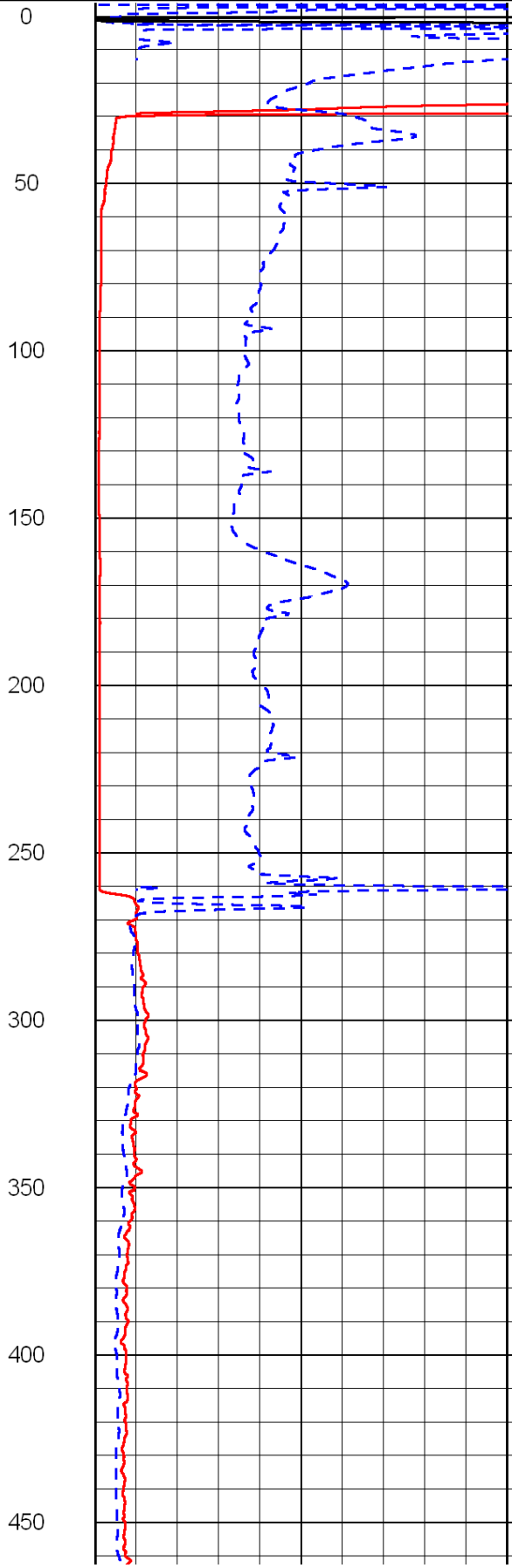
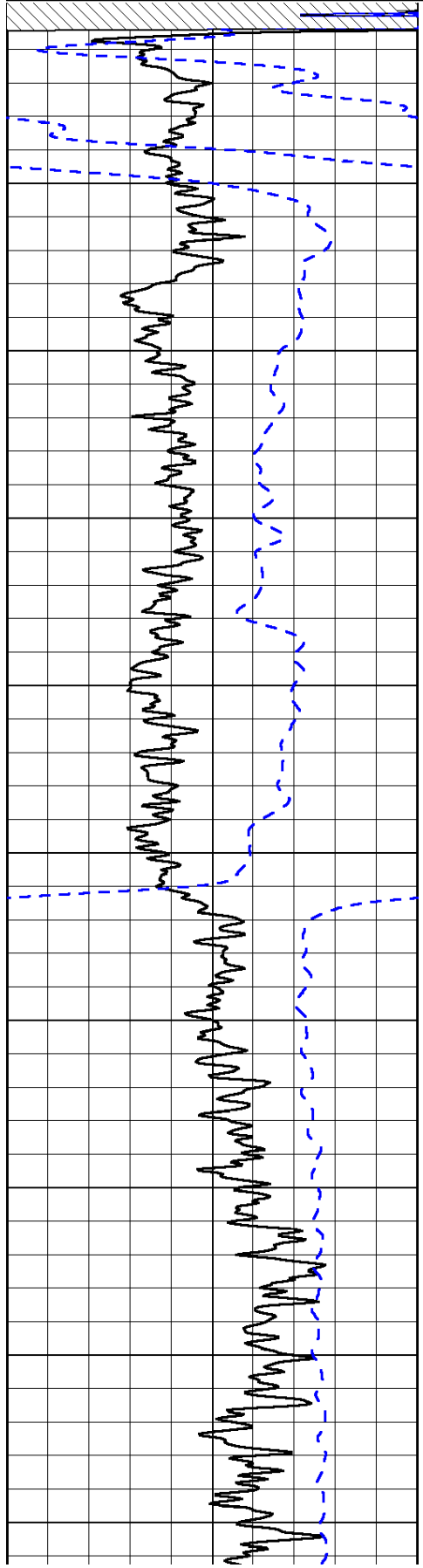
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-200	SP (mV)	0

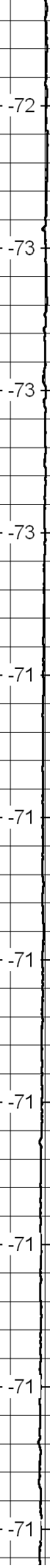
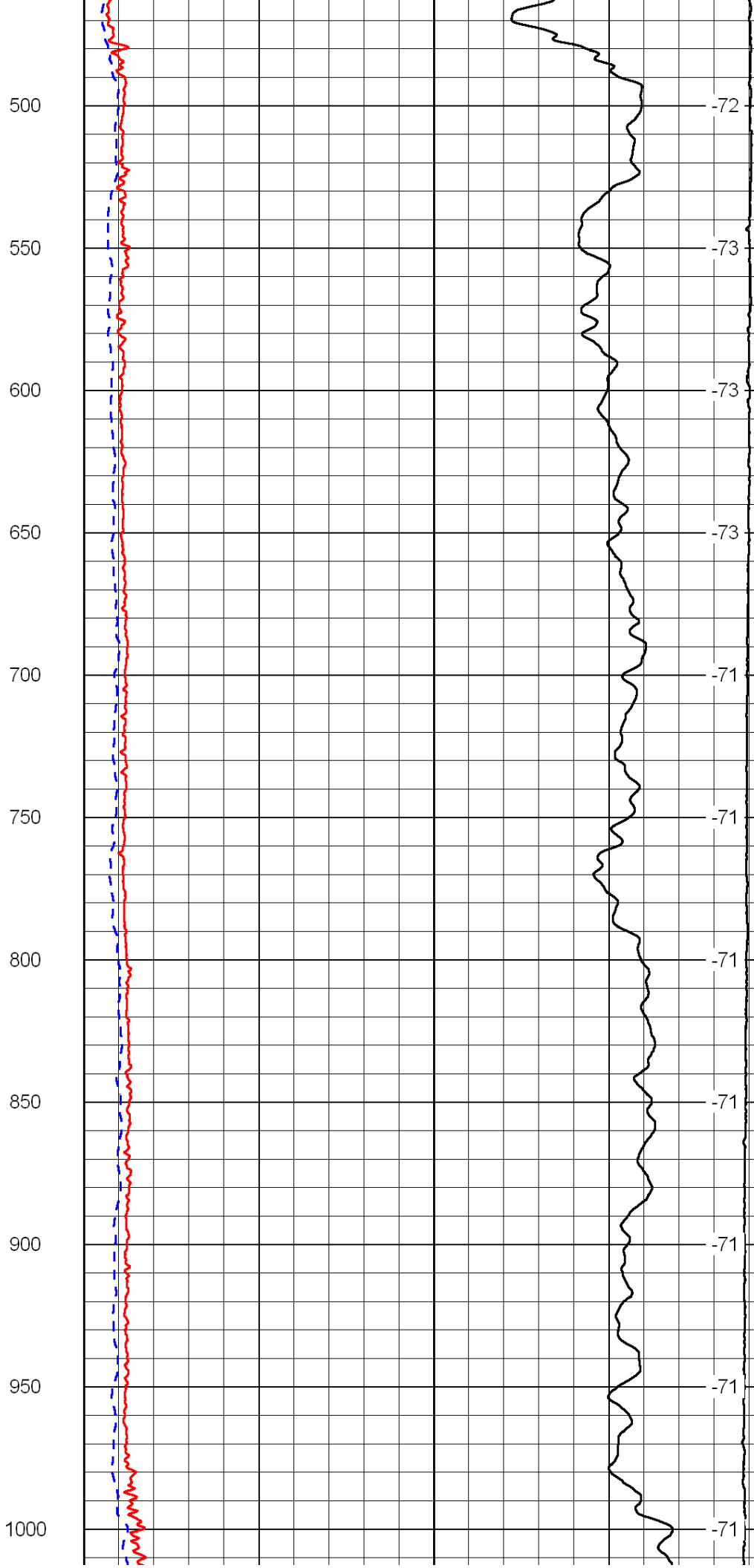
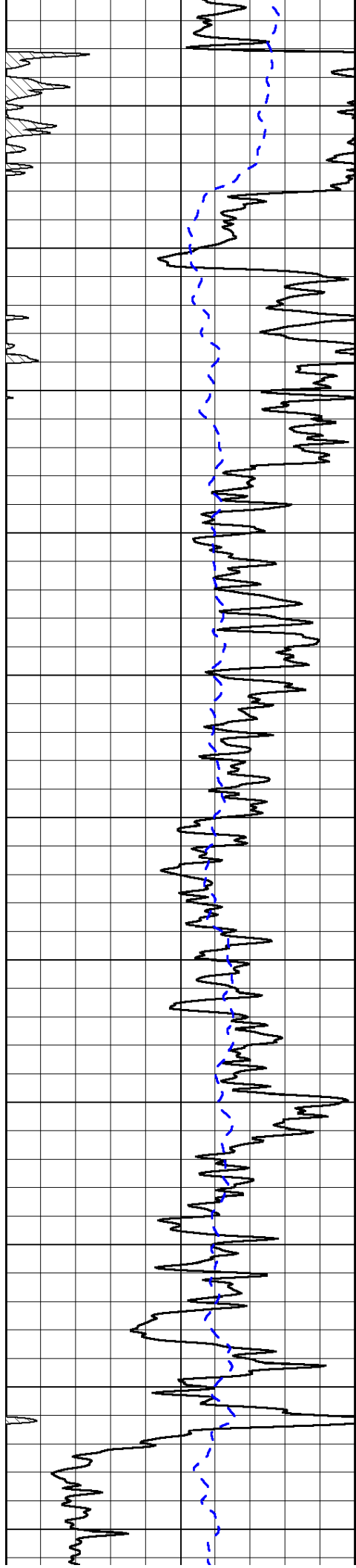
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0	Deep Resistivity	50

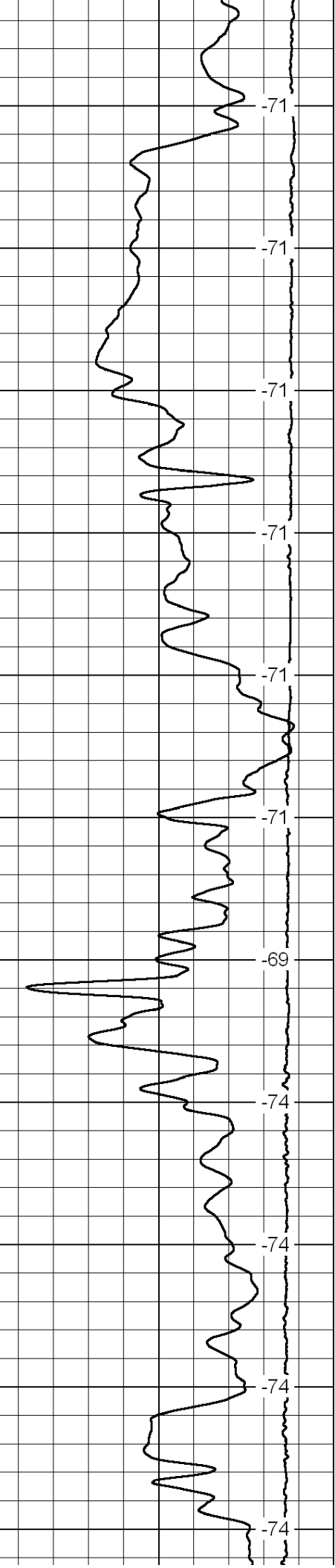
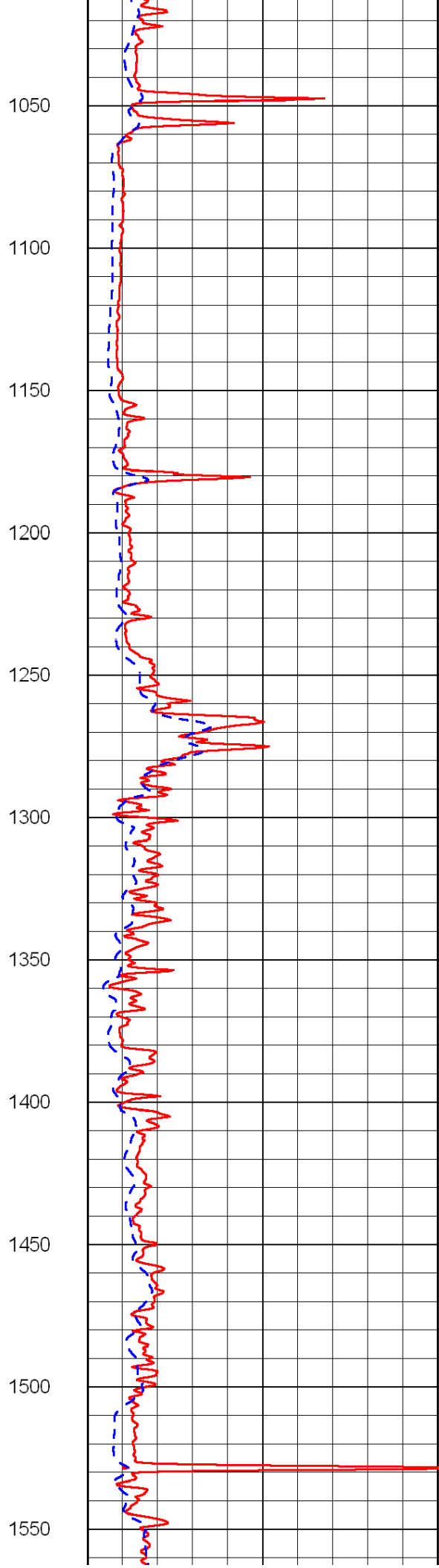
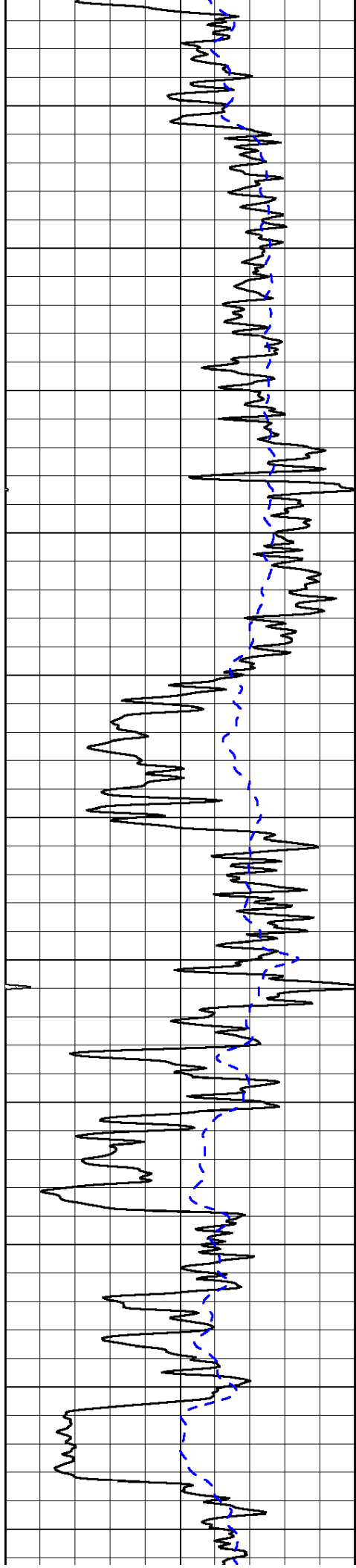
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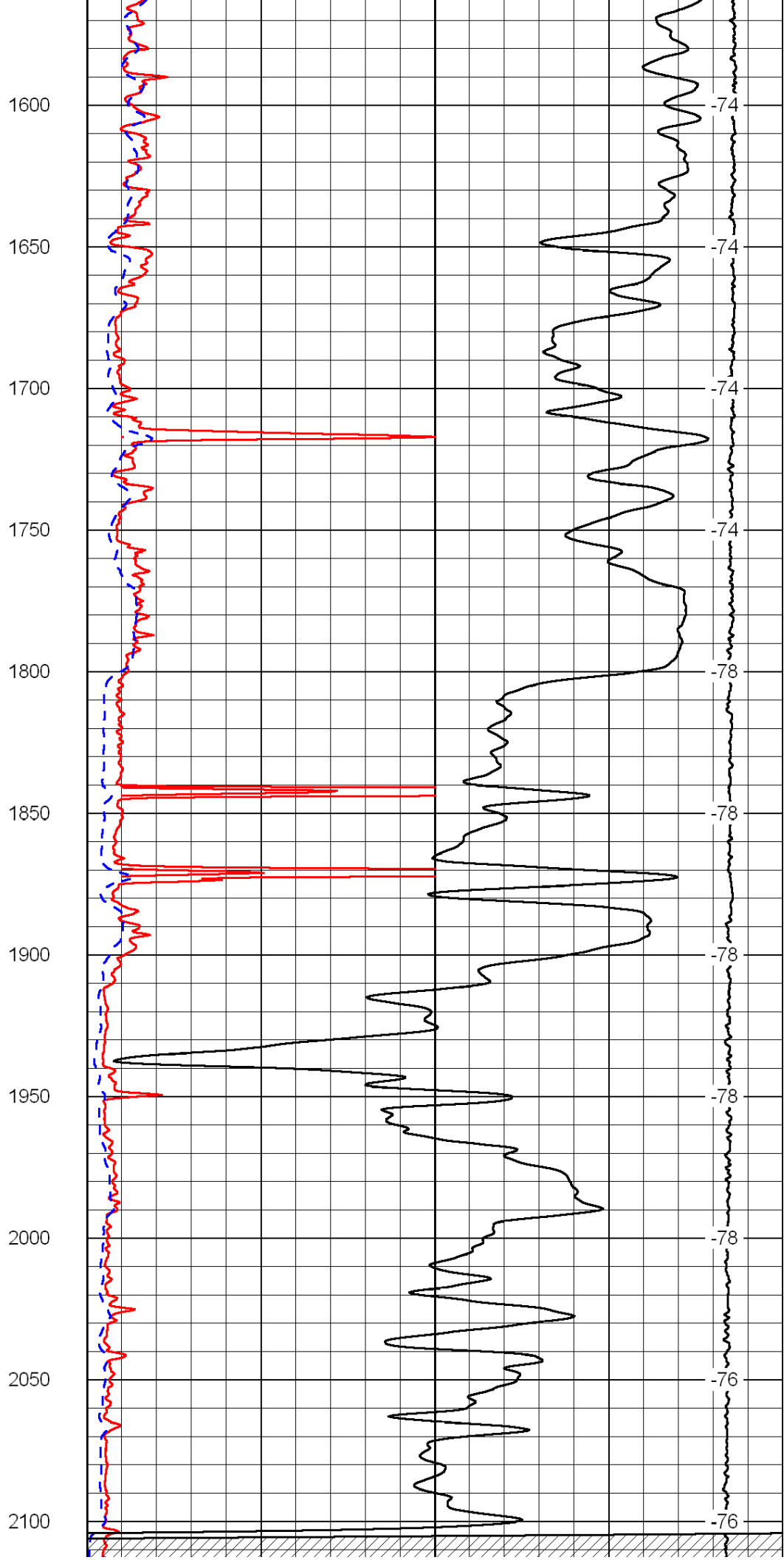
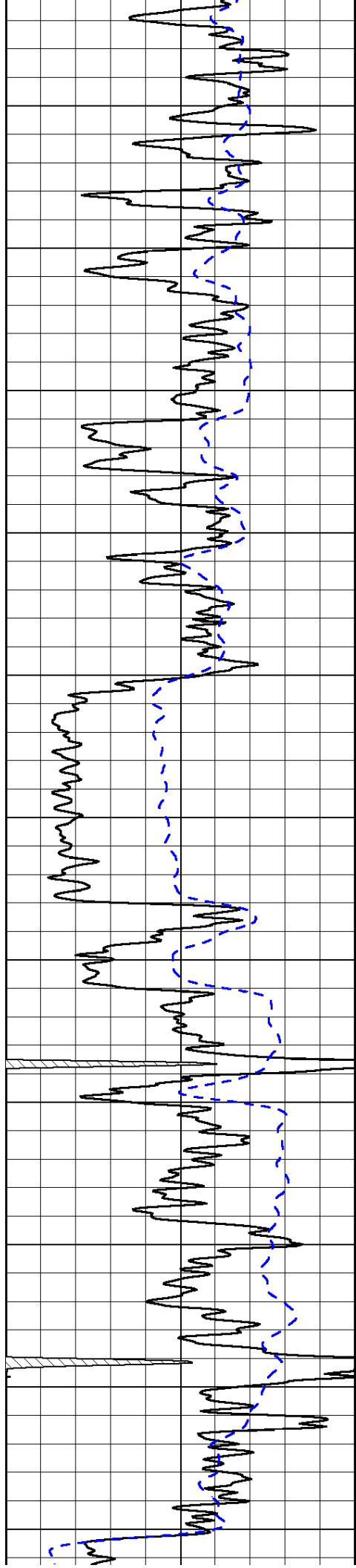
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15000	Line Tension	0

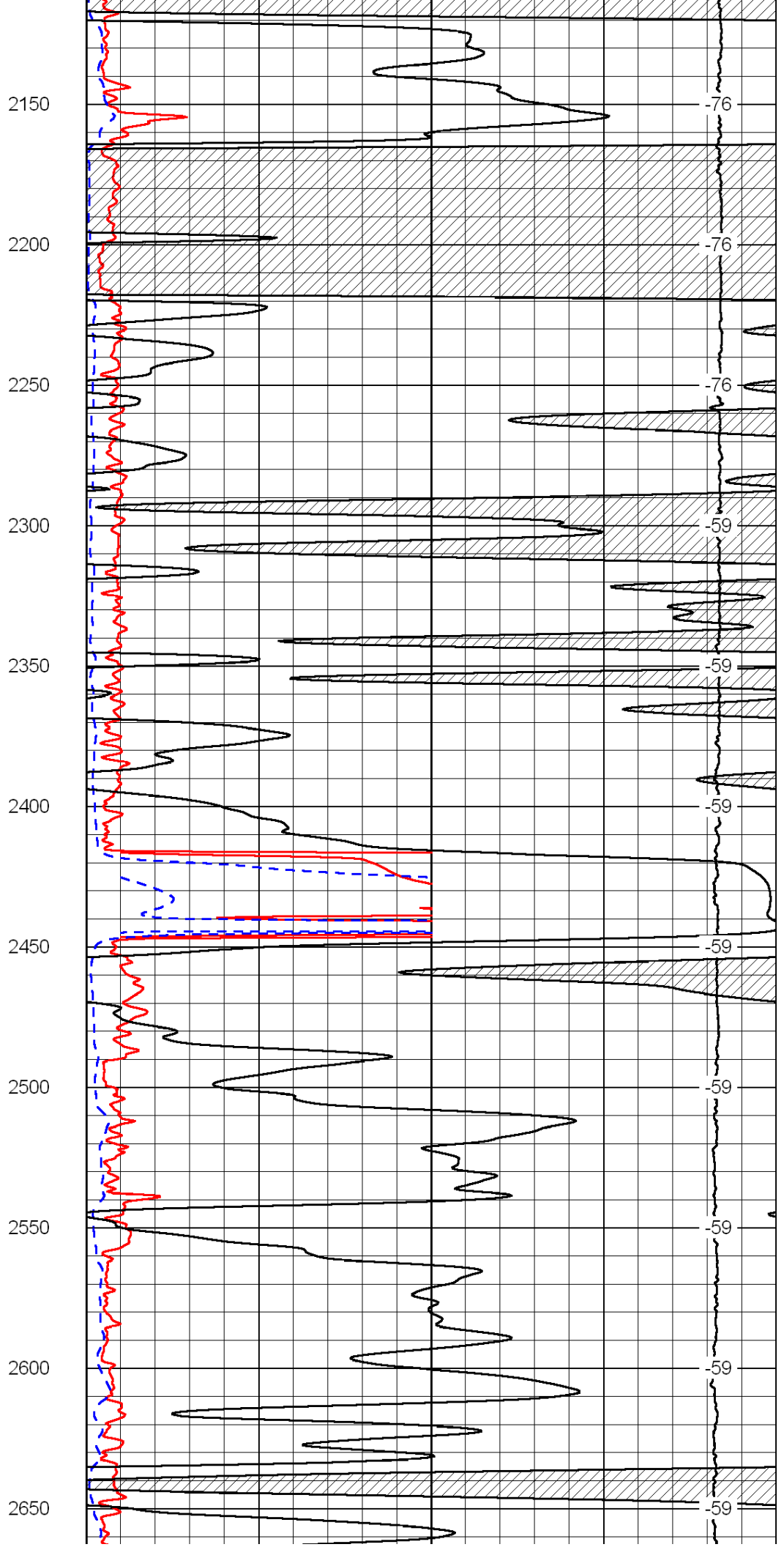
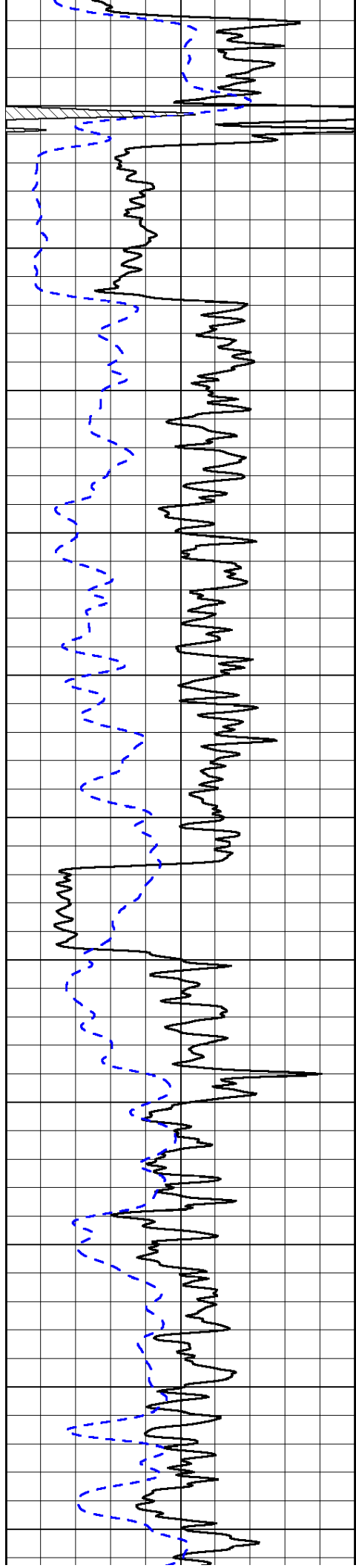
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50	Deep Resistivity	500

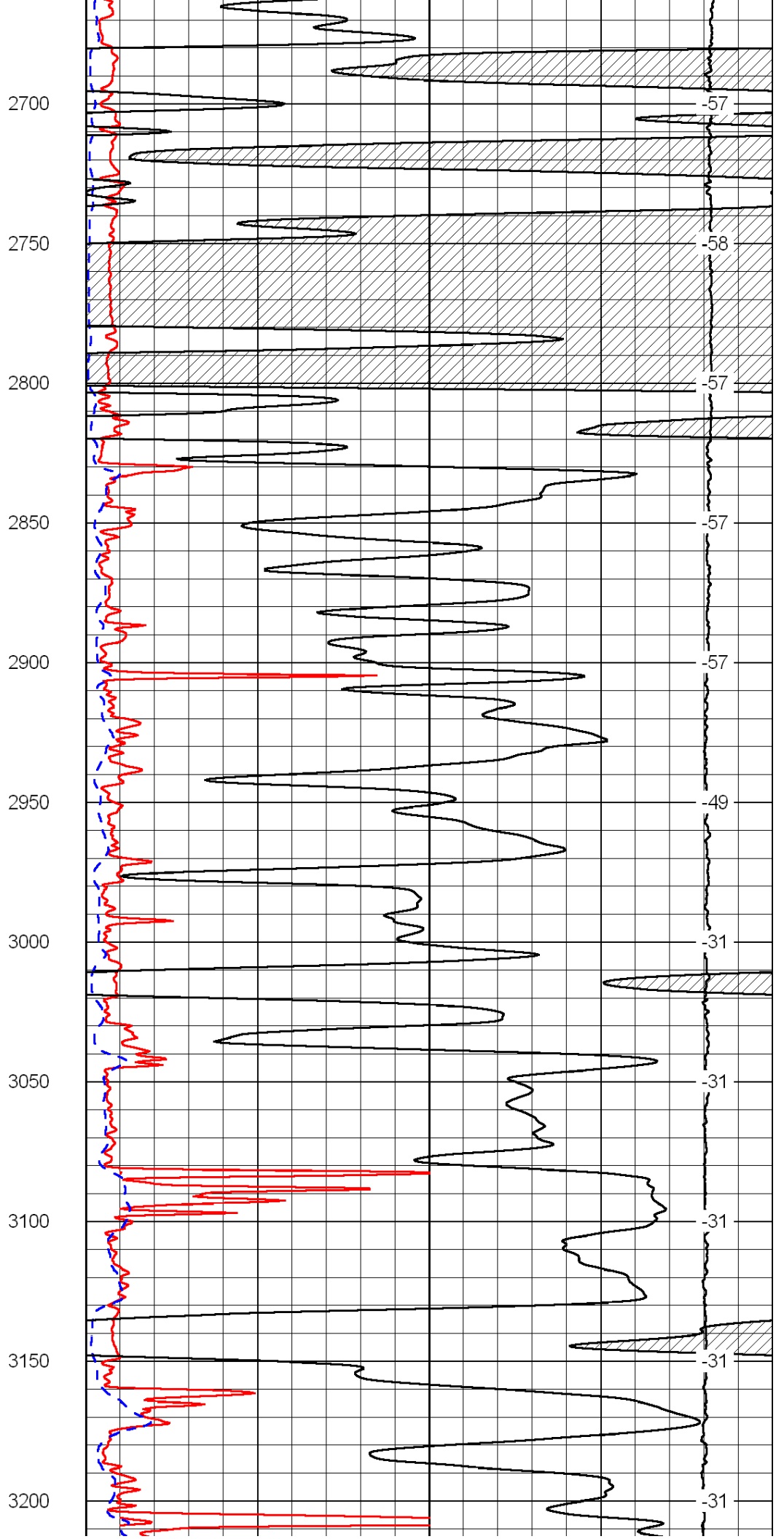
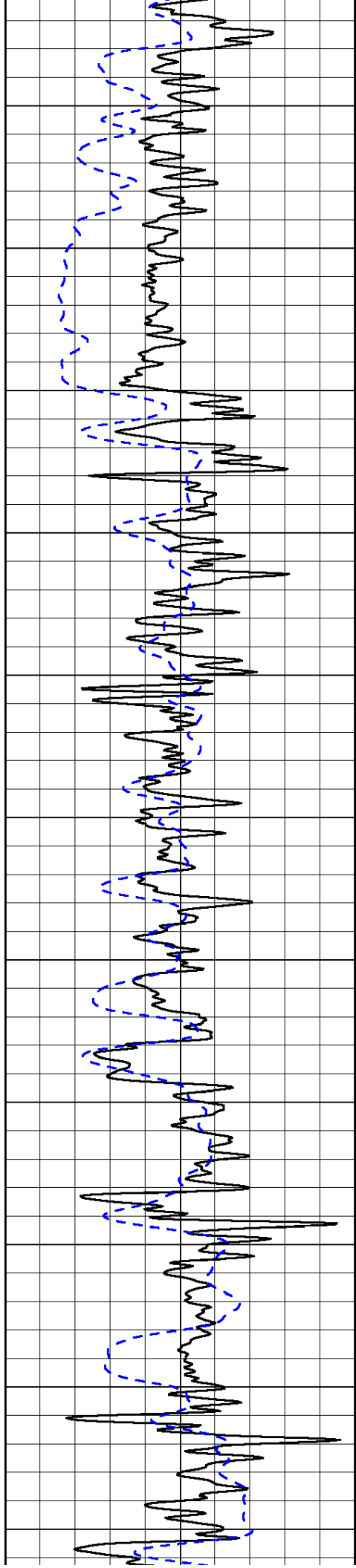


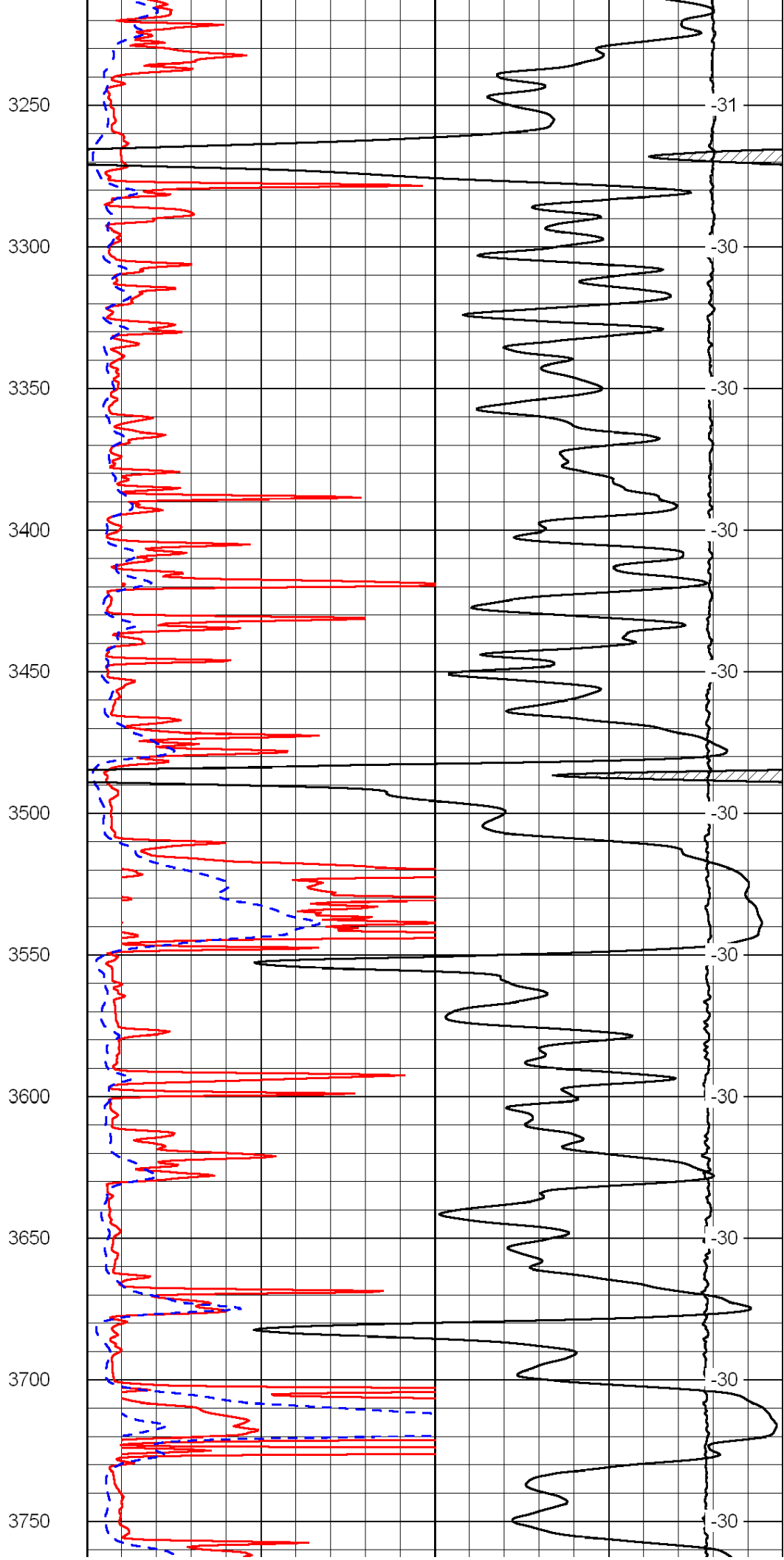
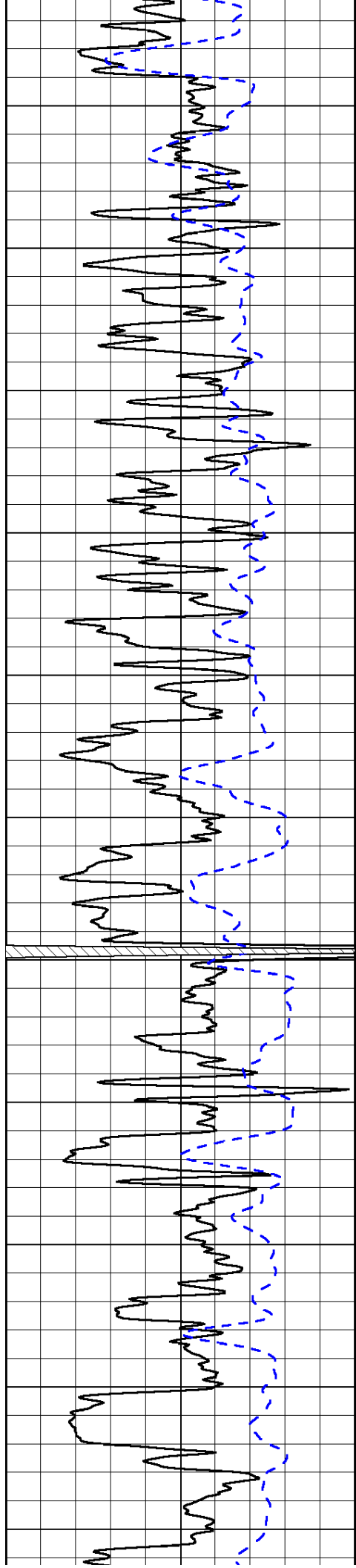


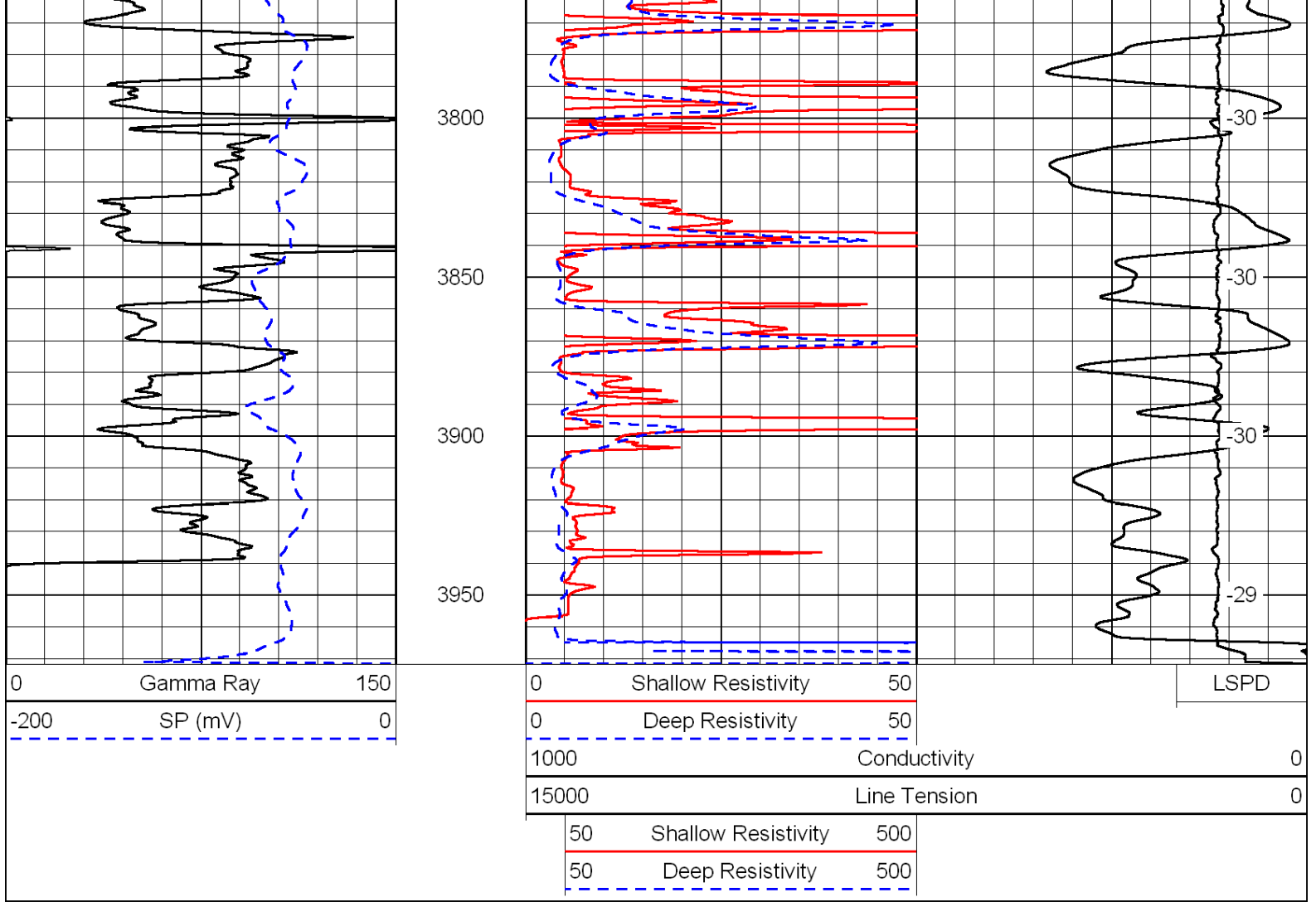




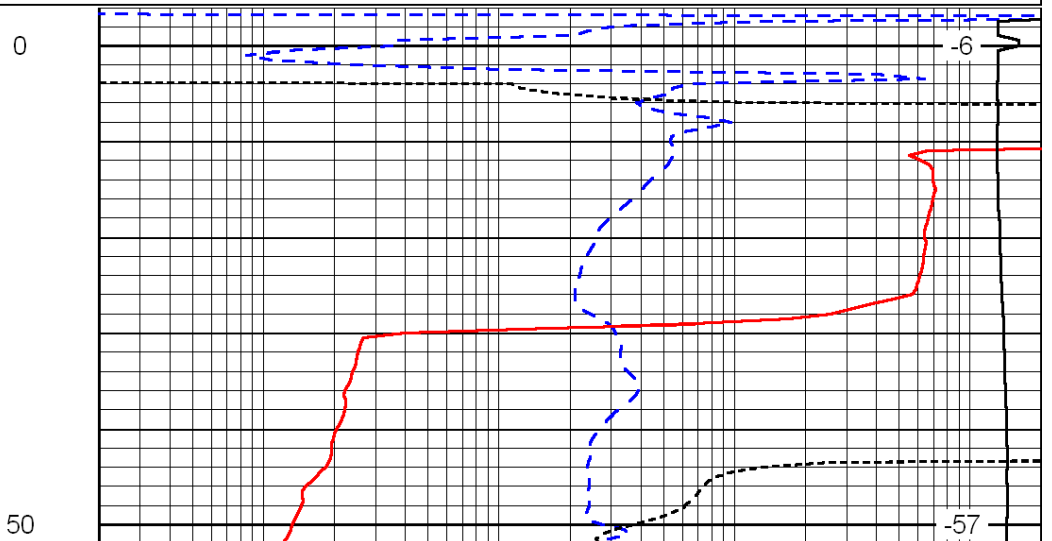
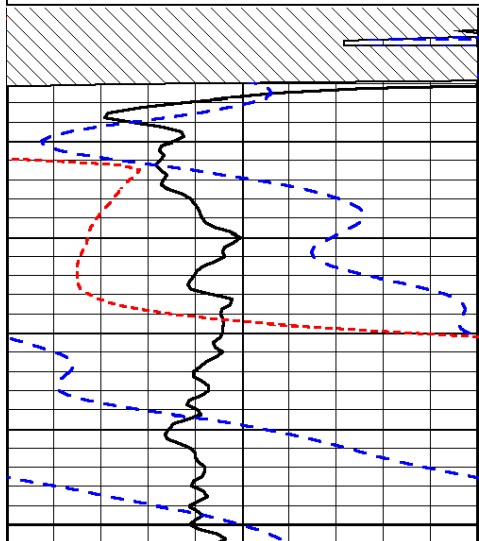
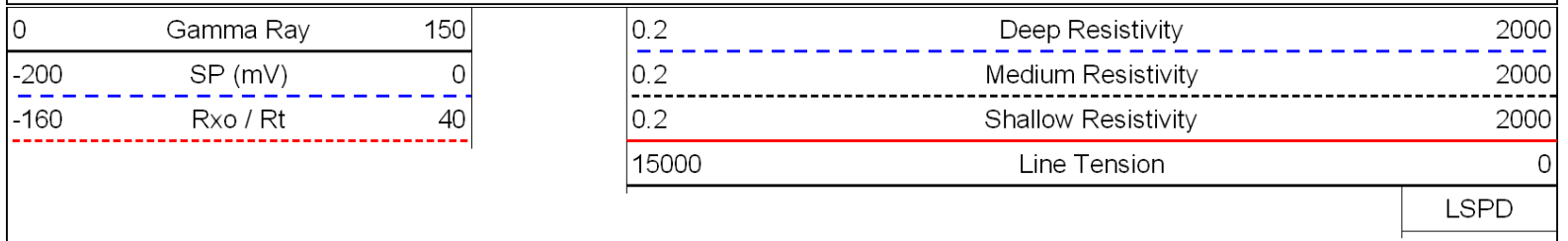


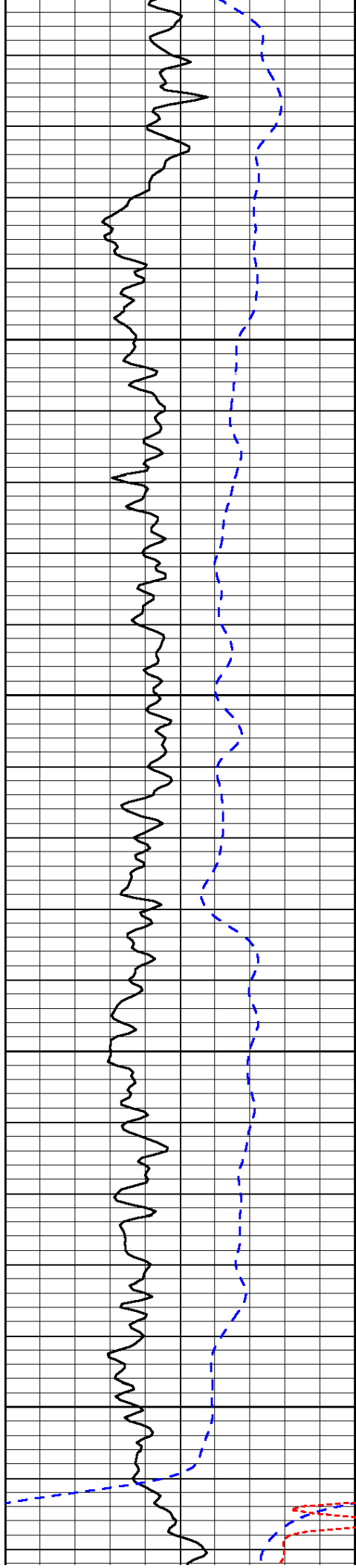






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 Charted by: Depth in Feet scaled 1:240



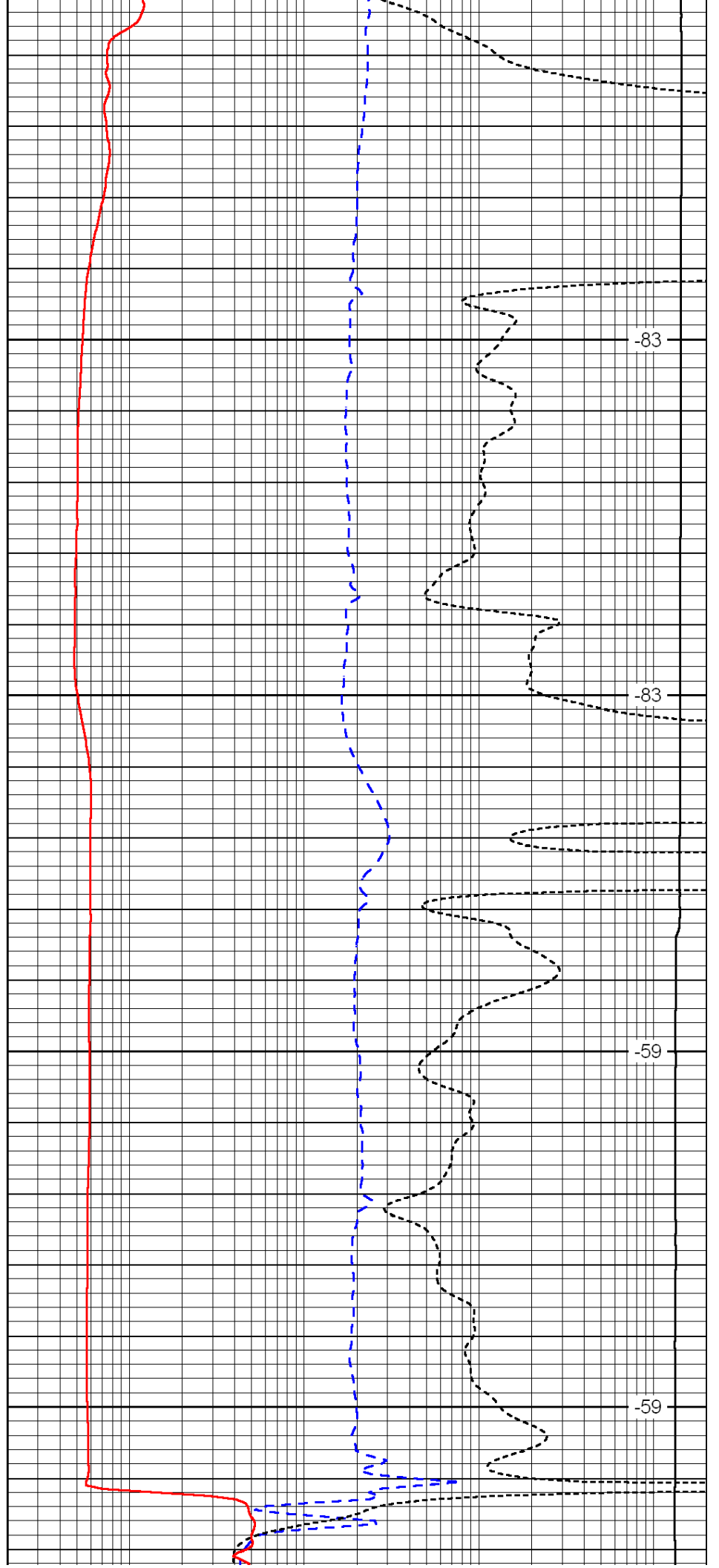


100

150

200

250

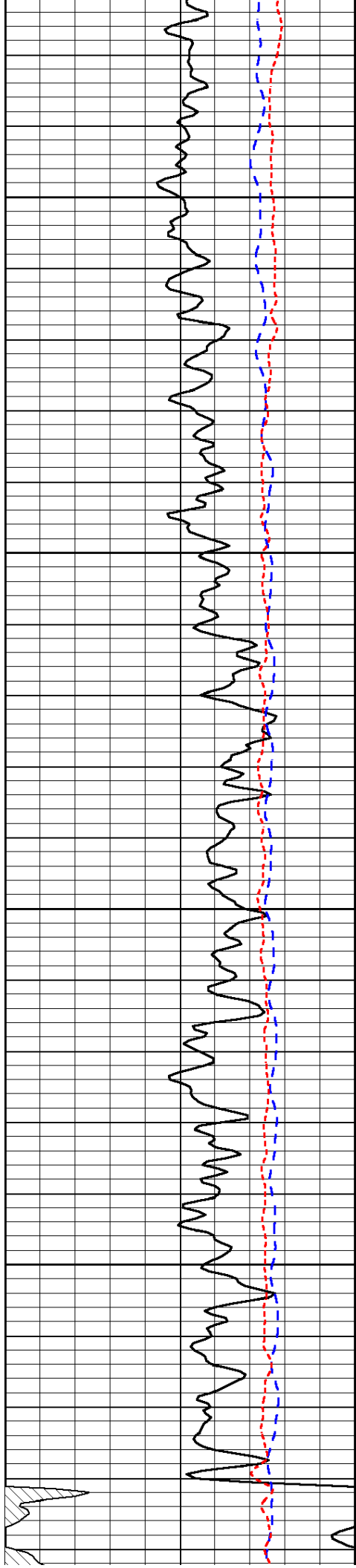


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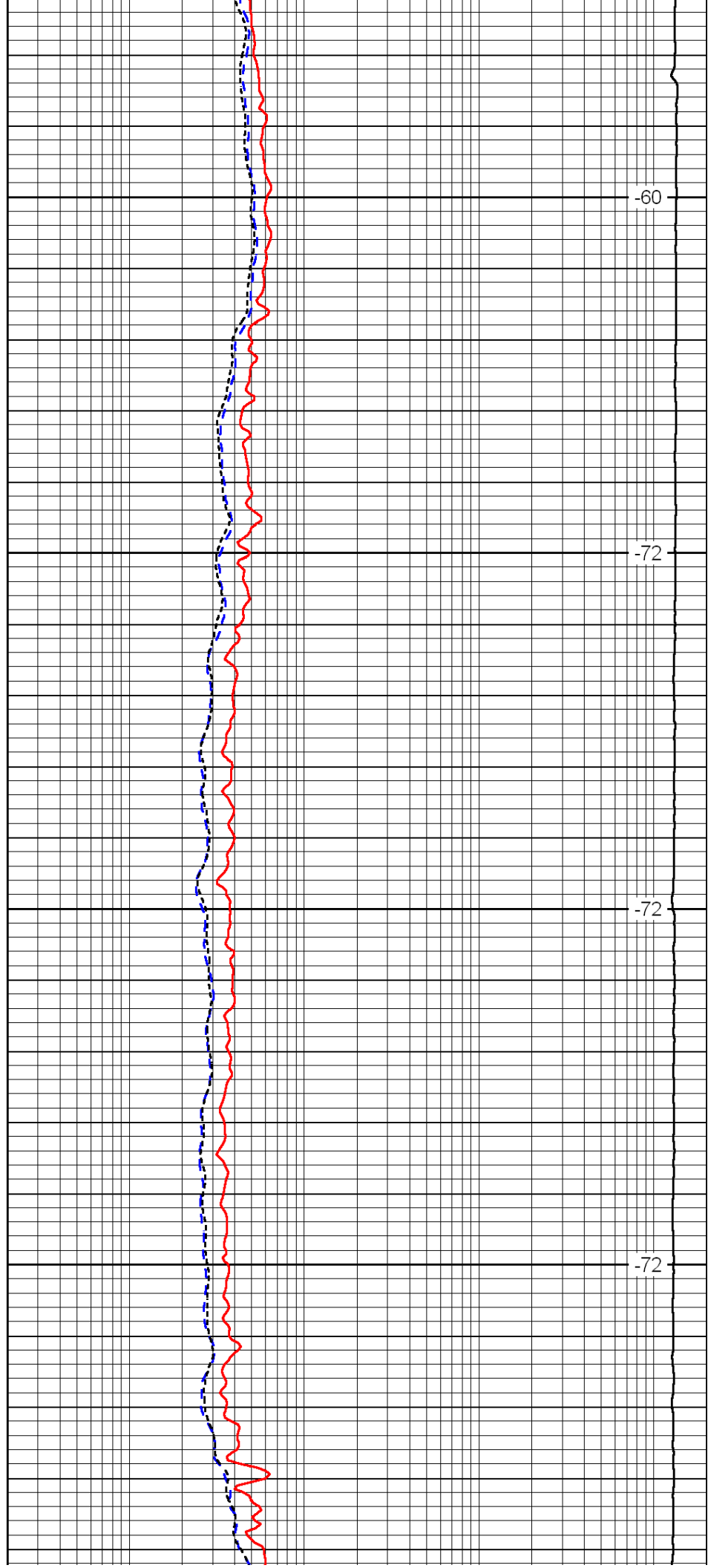


300

350

400

450

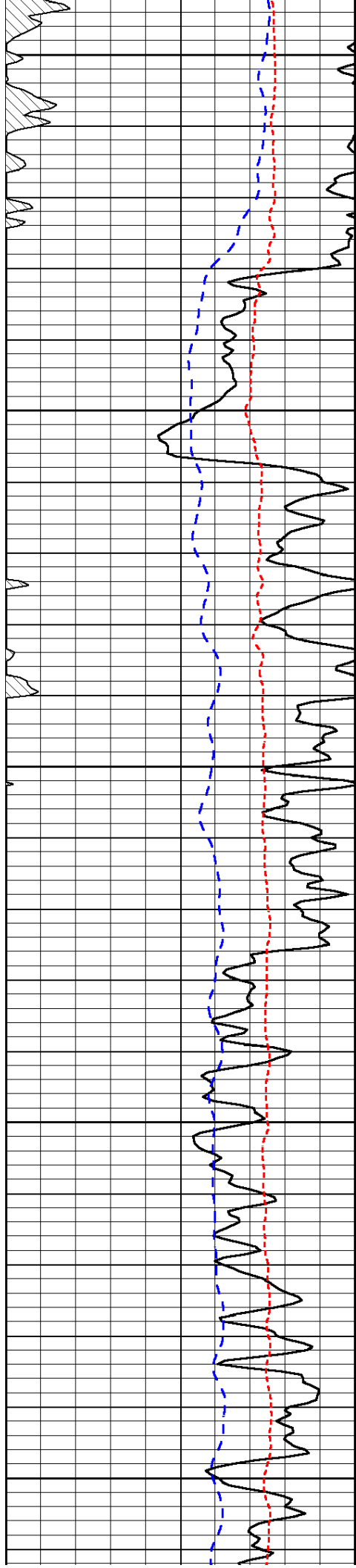


-60

-72

-72

-72



500

550

600

650

700

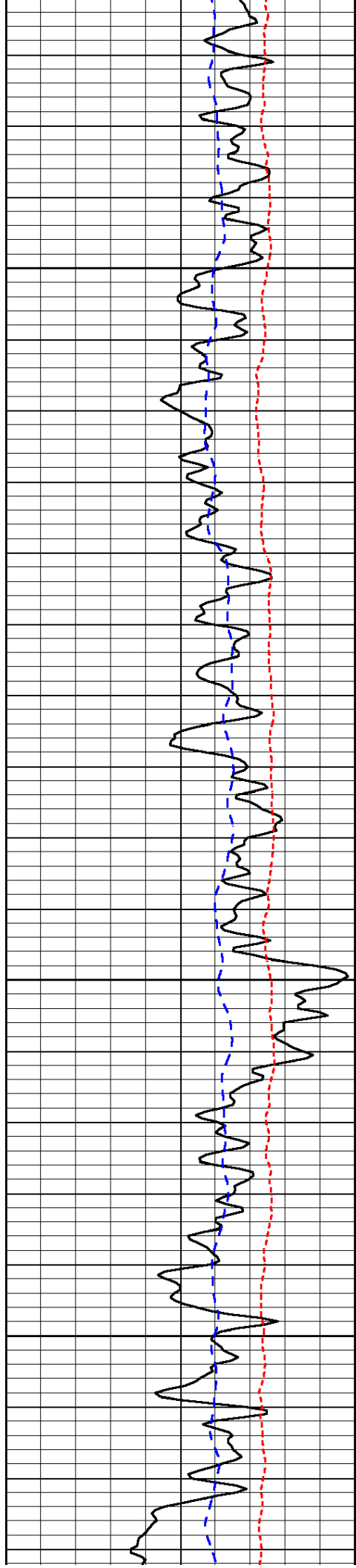
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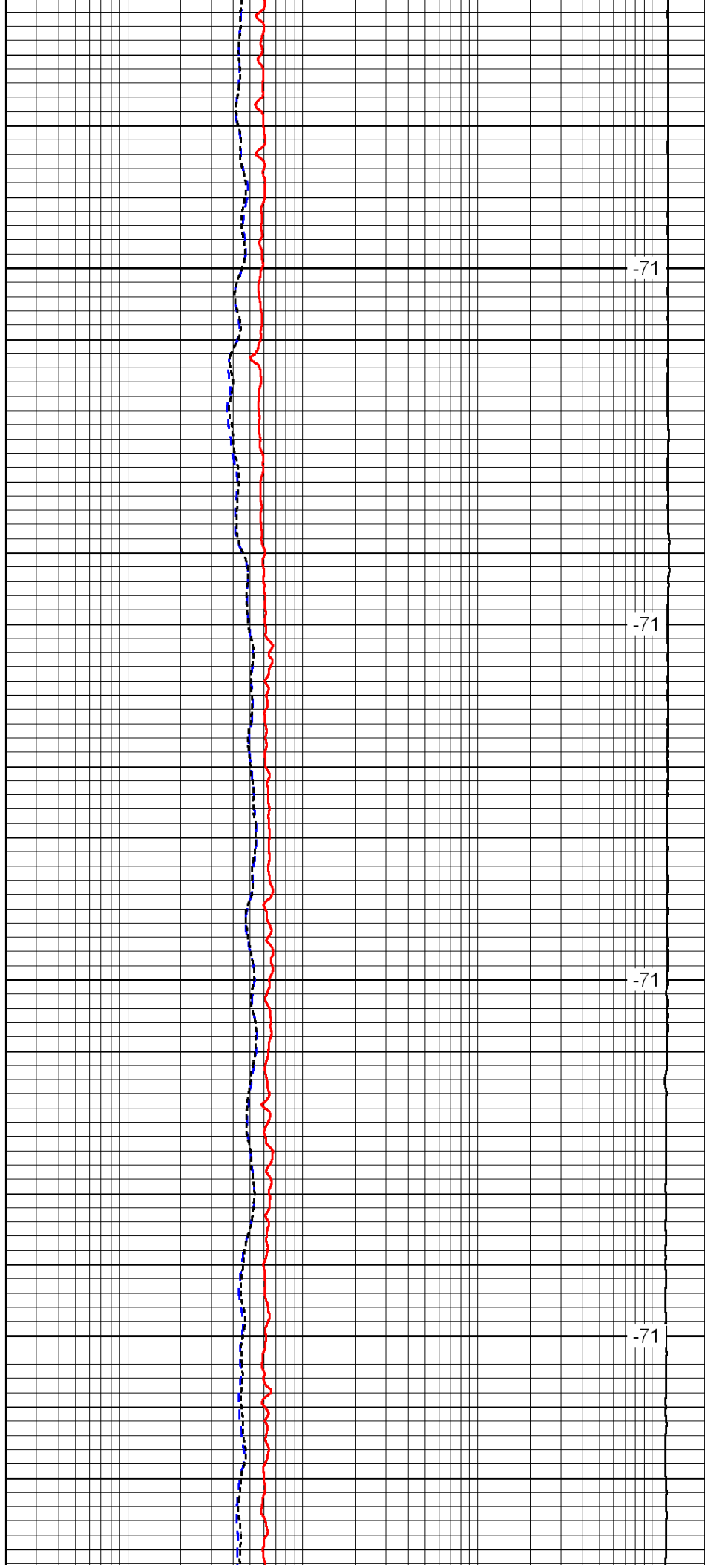


750

800

850

900

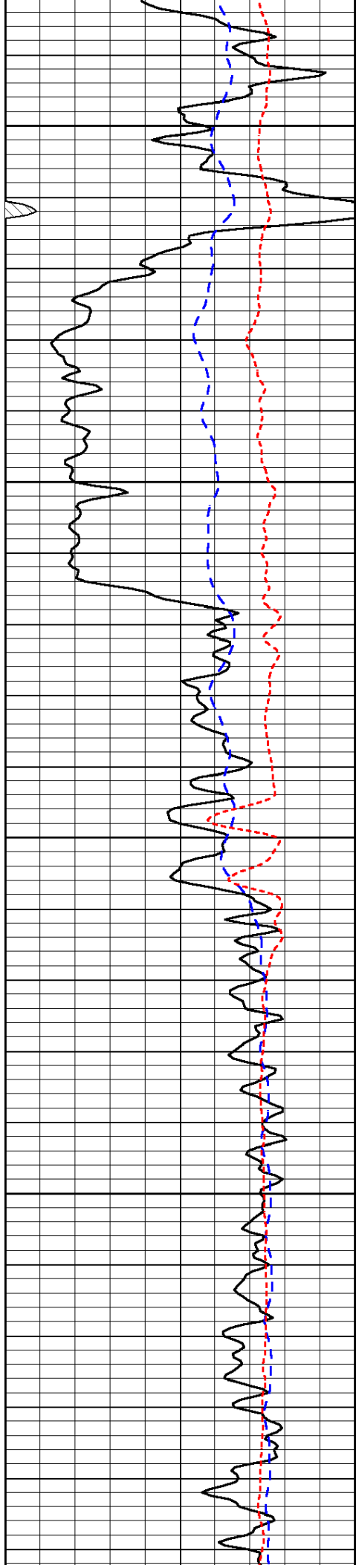


-71

-71

-71

-71



950

1000

1050

1100

1150

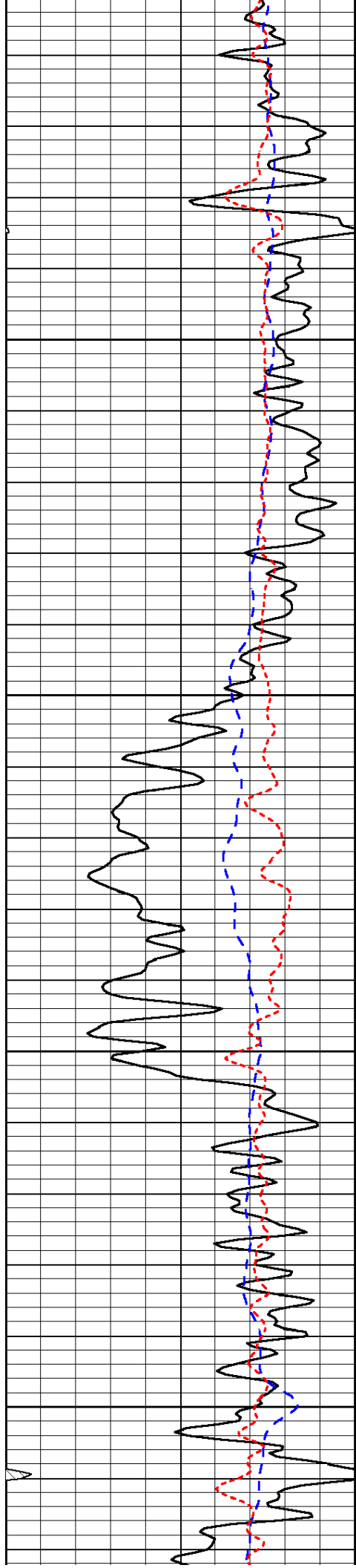
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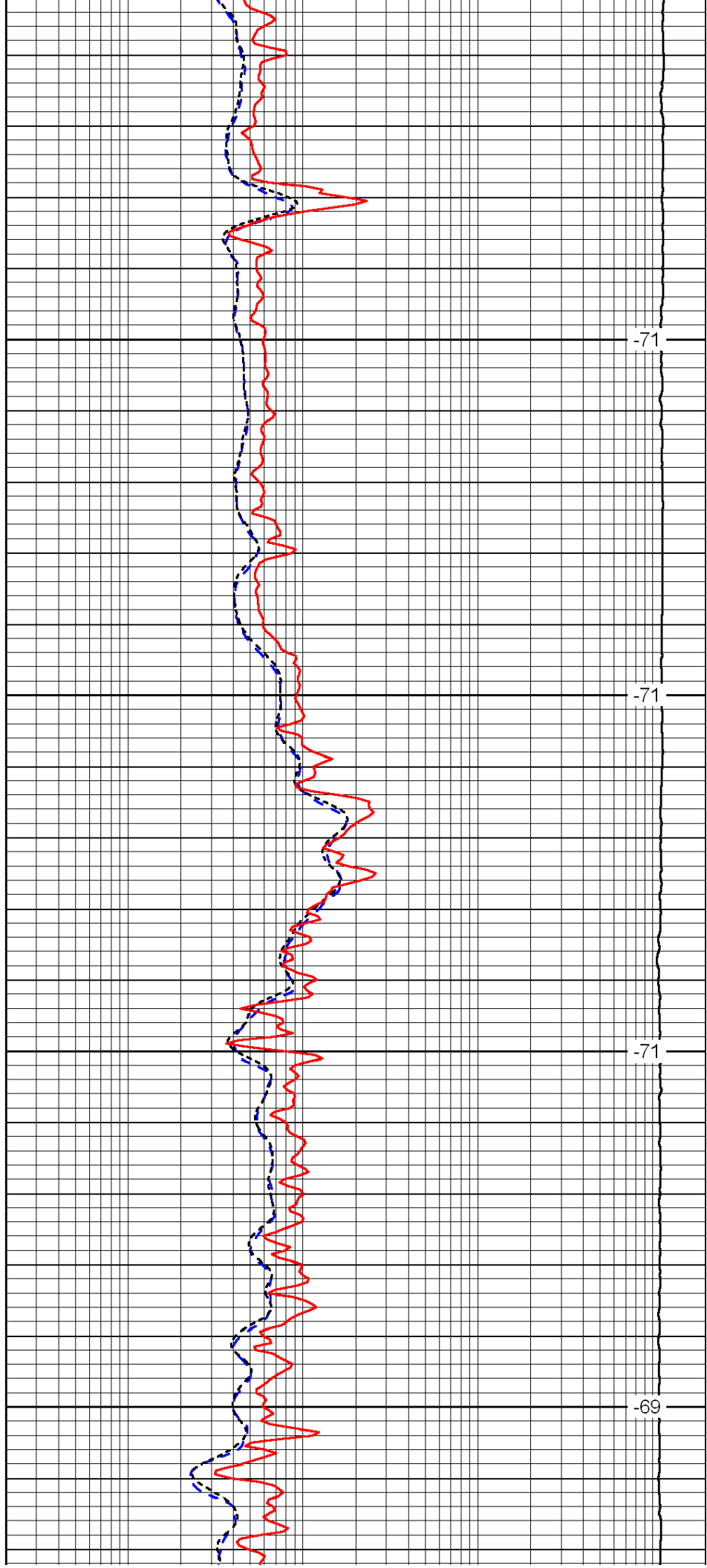


1200

1250

1300

1350

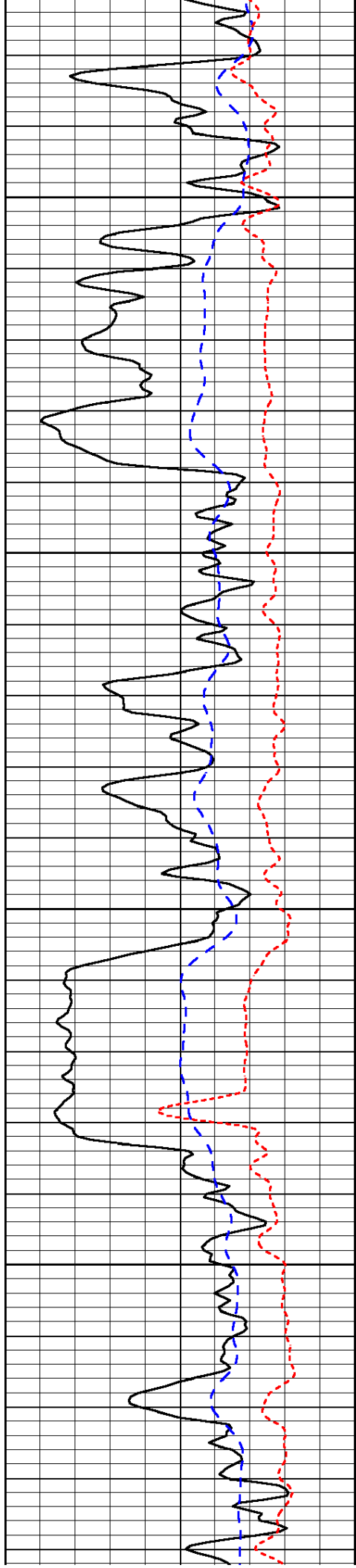


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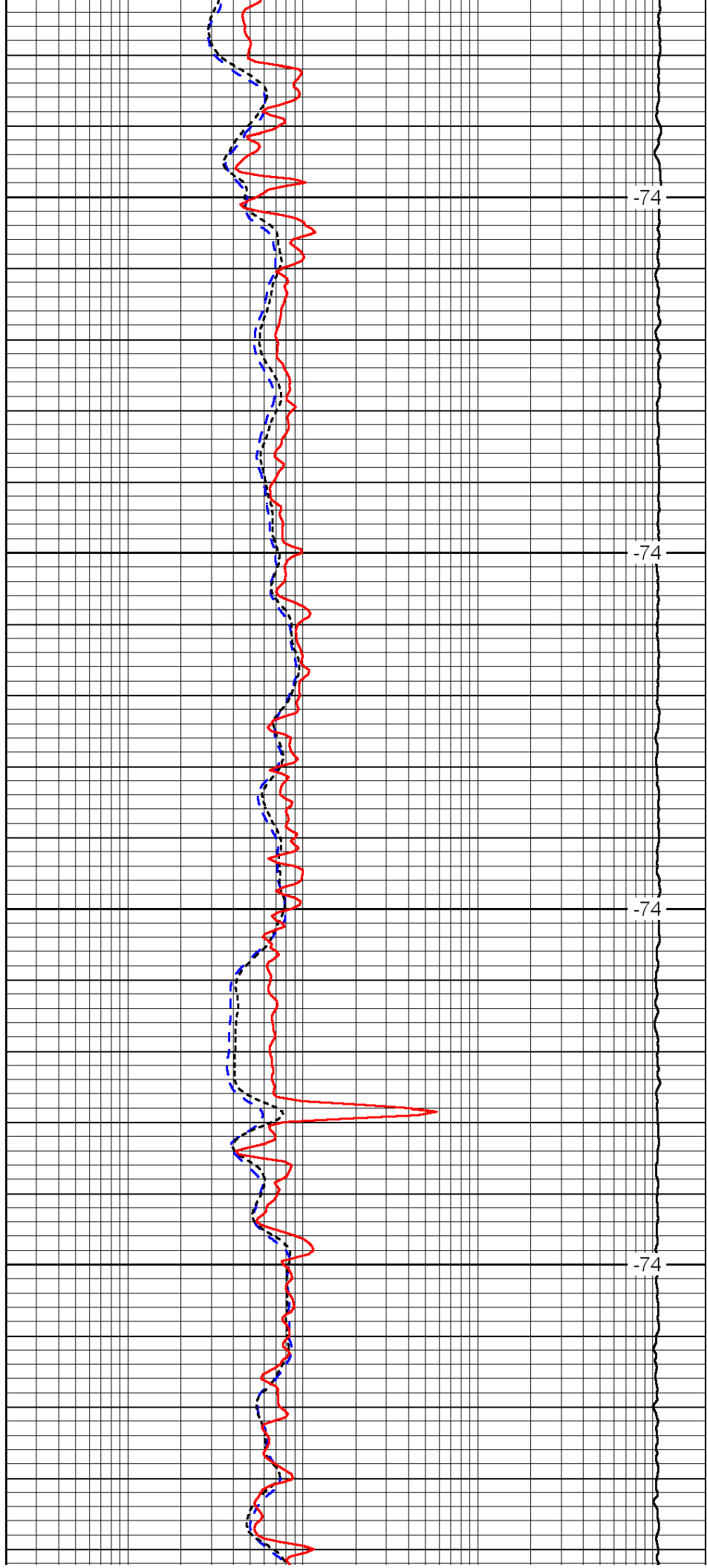


1400

1450

1500

1550

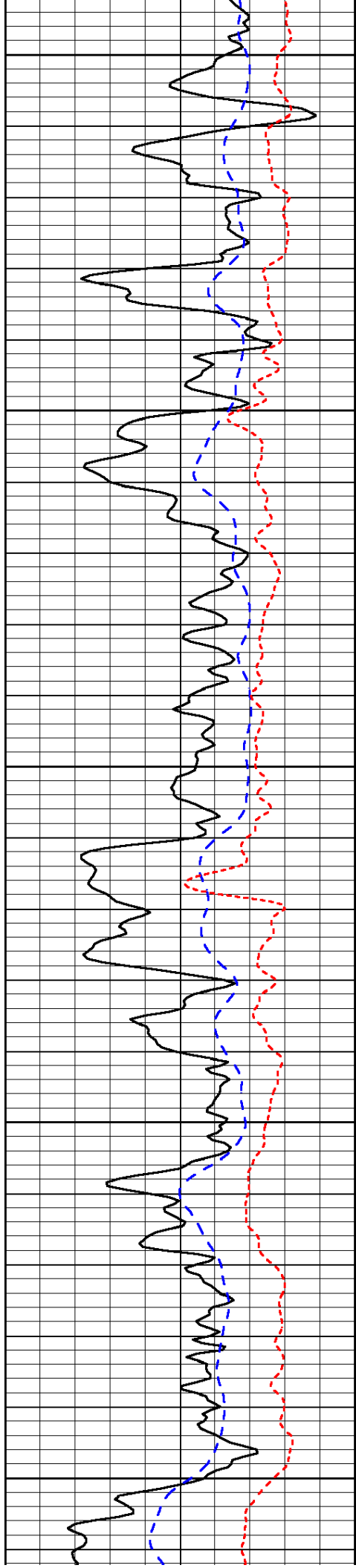


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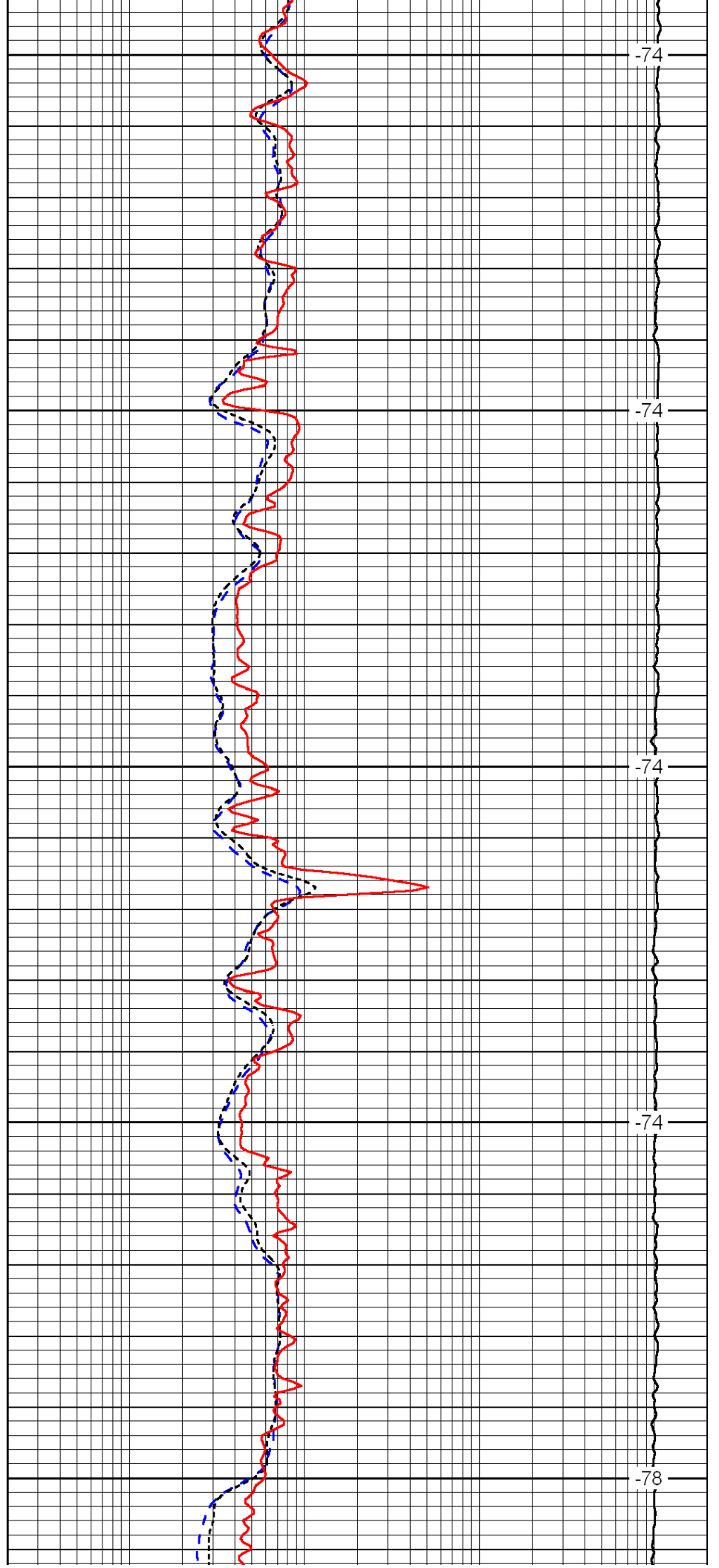
1600

1650

1700

1750

1800



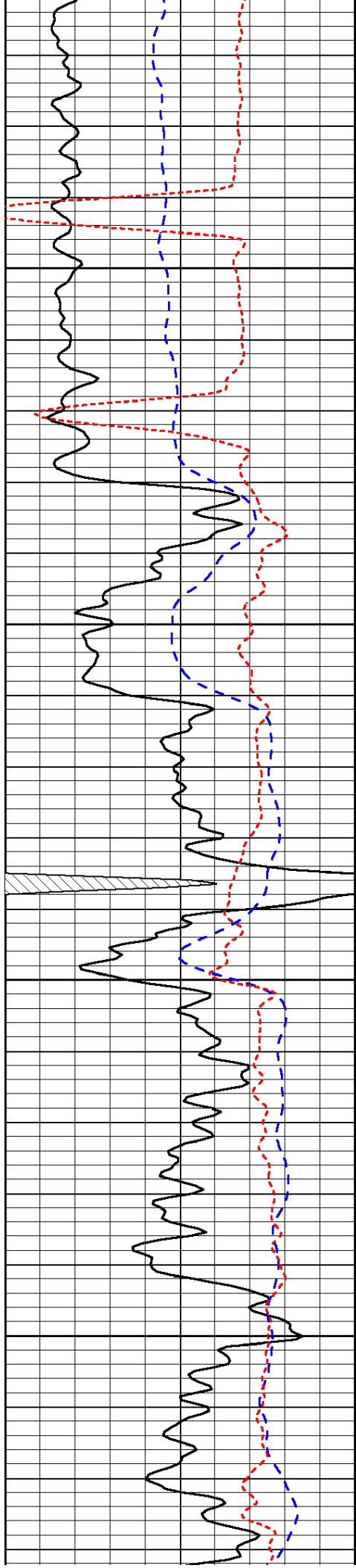
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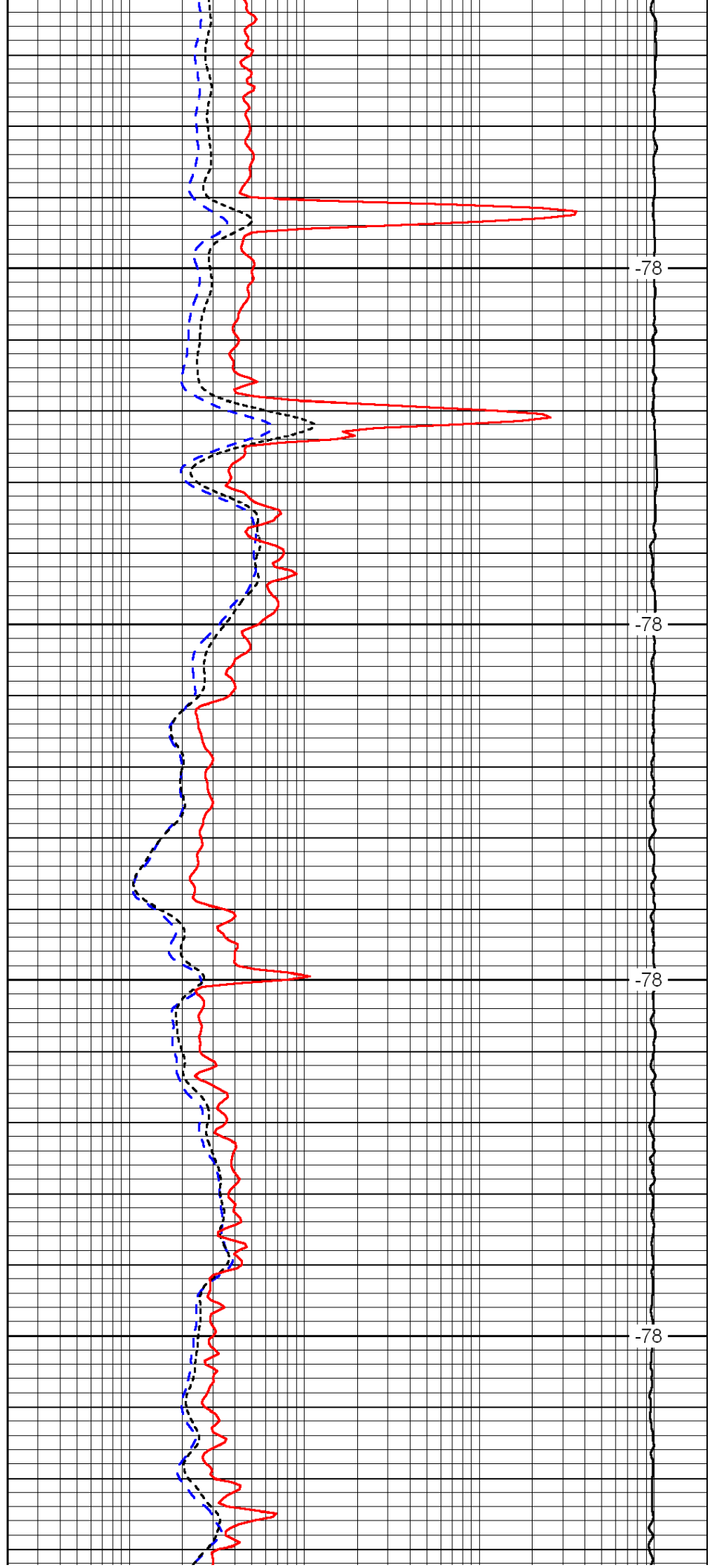


1850

1900

1950

2000

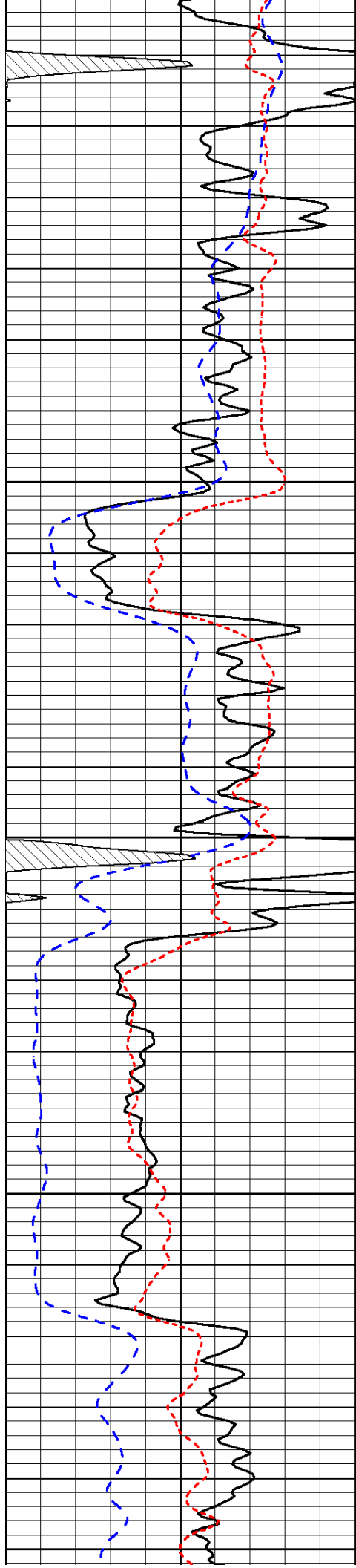


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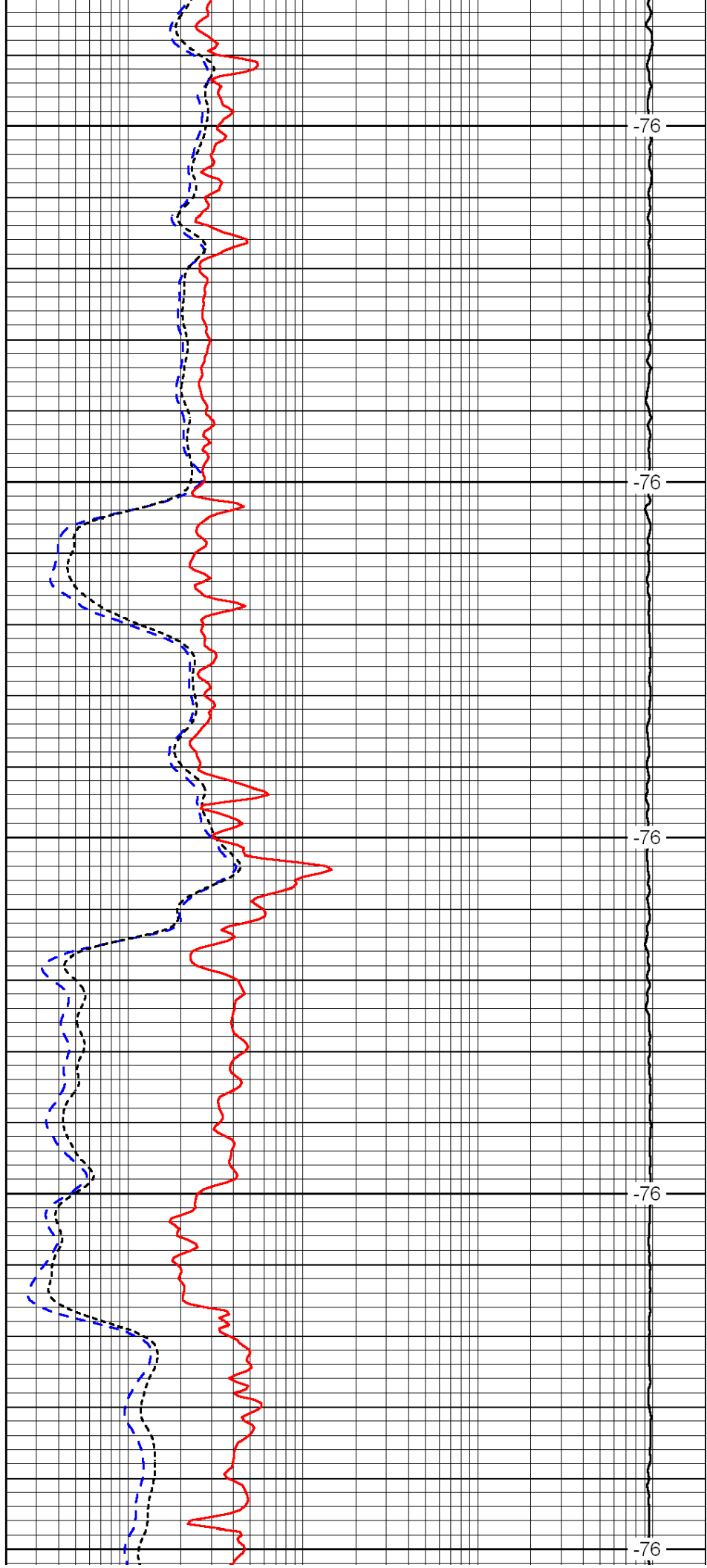
2050

2100

2150

2200

2250



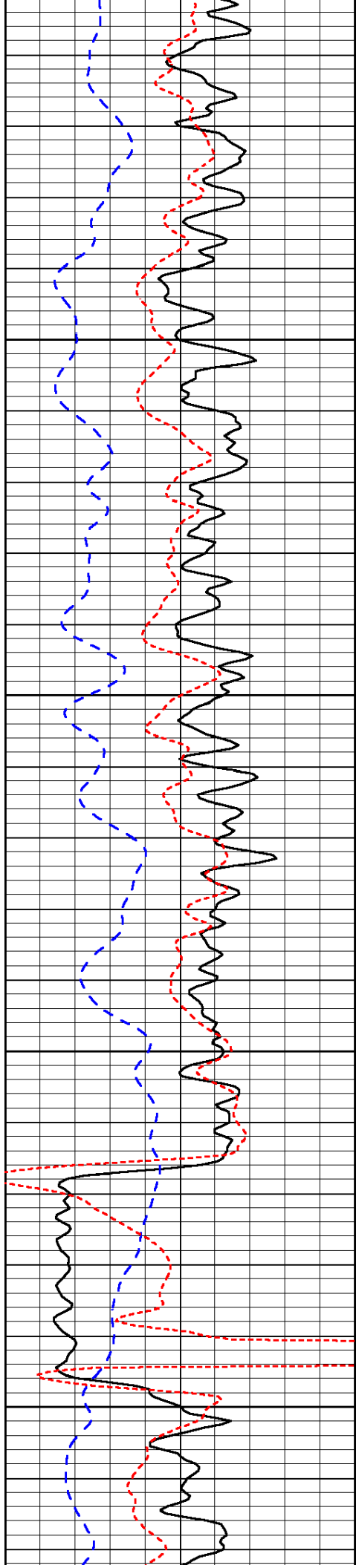
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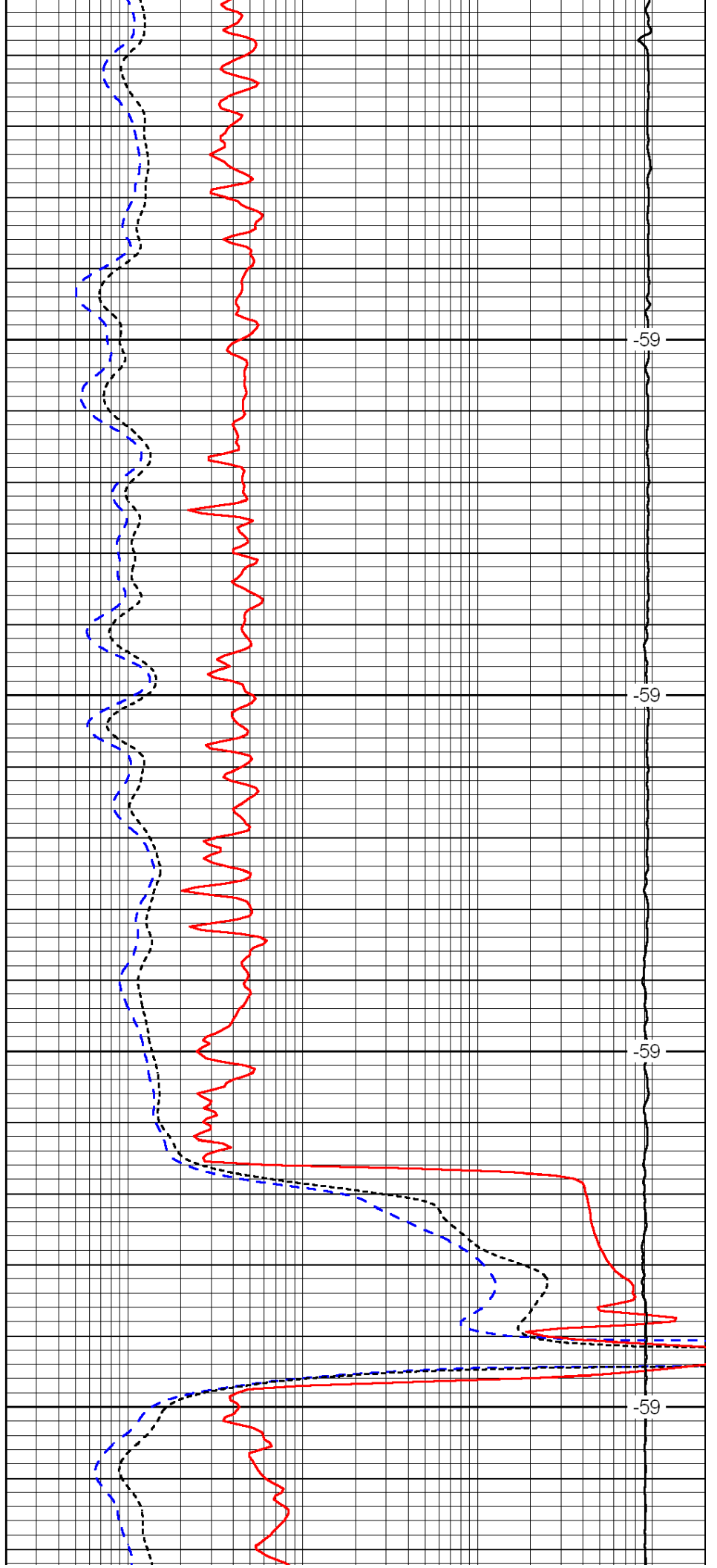


2300

2350

2400

2450

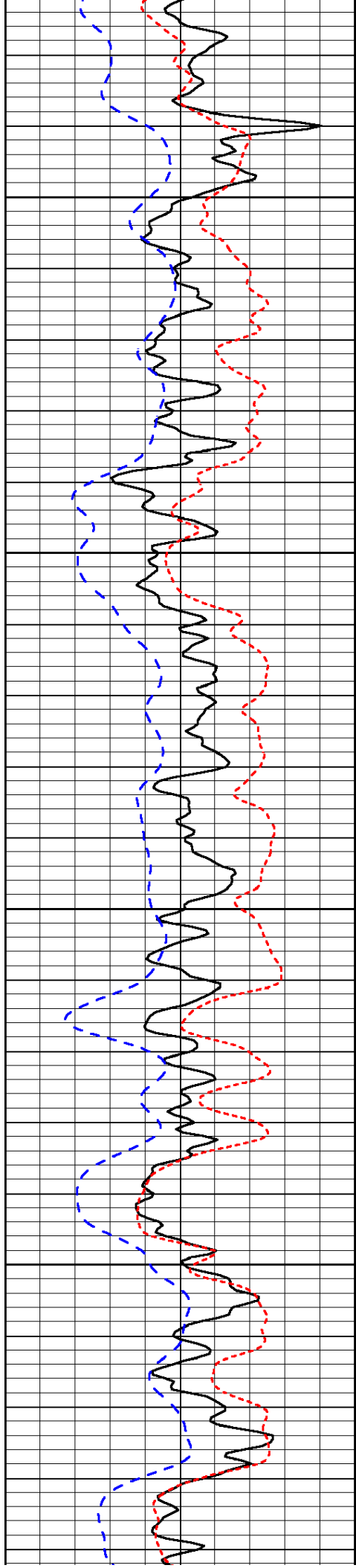


-59

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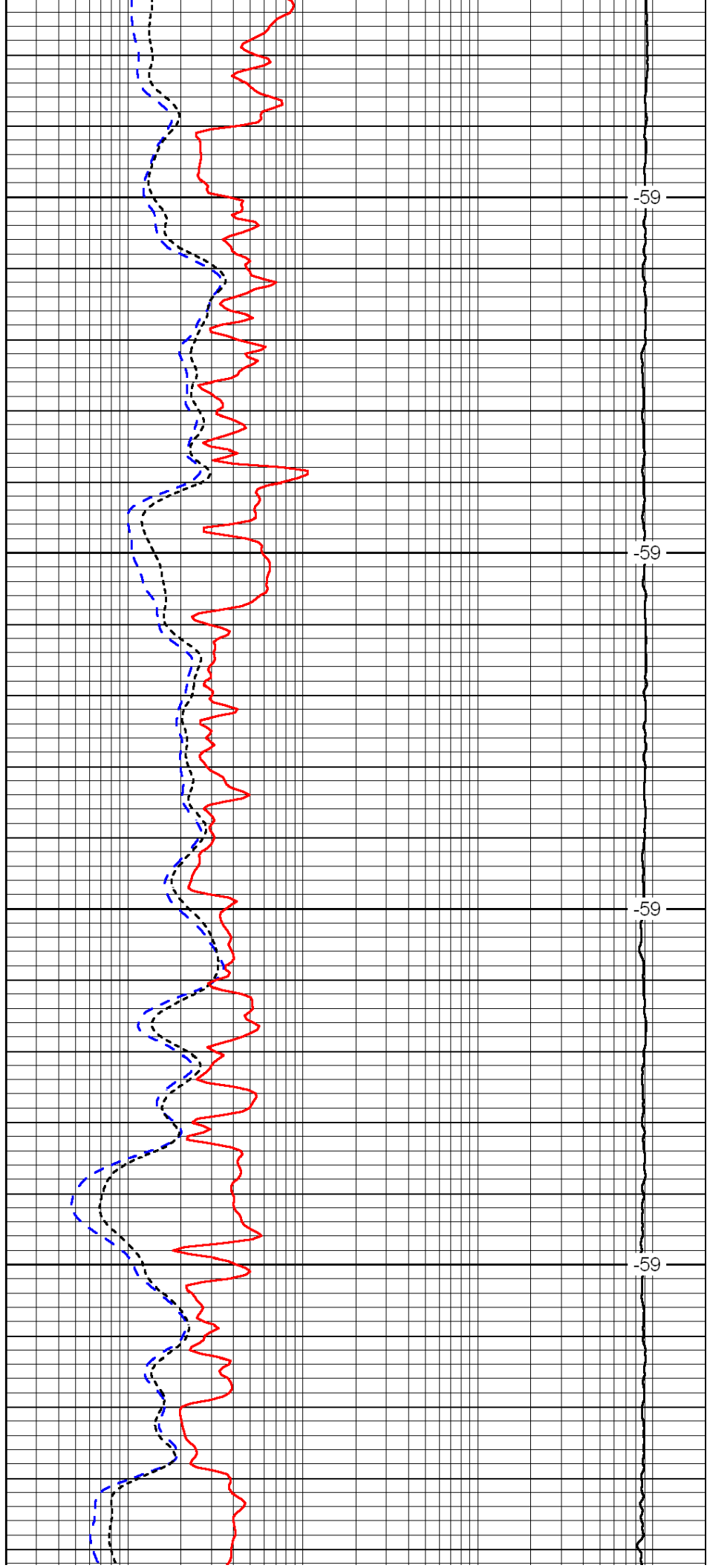


2500

2550

2600

2650

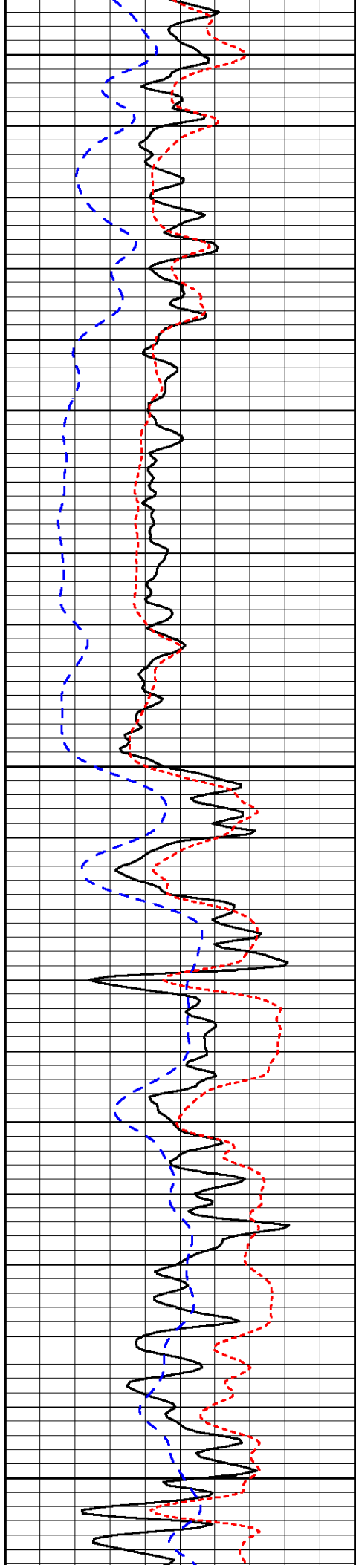


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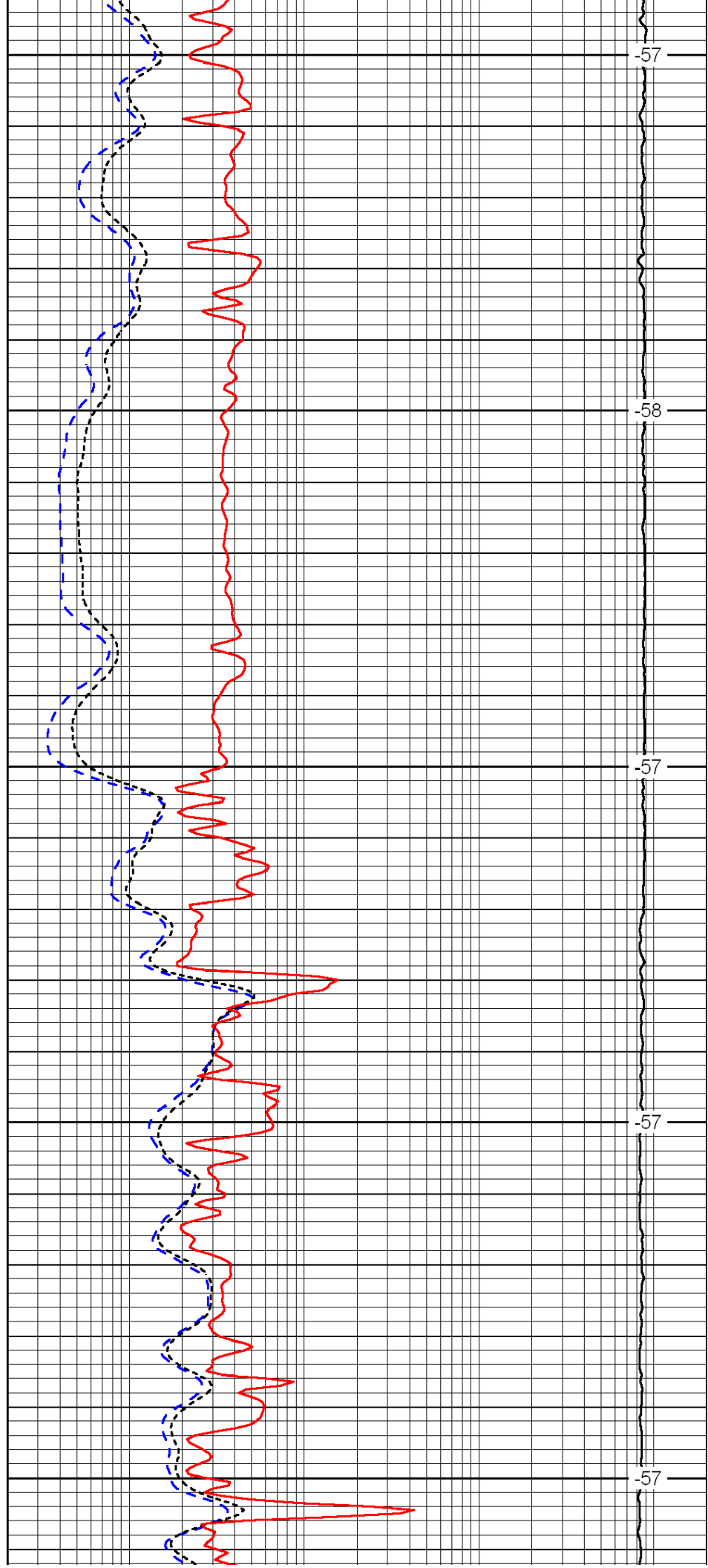
2700

2750

2800

2850

2900



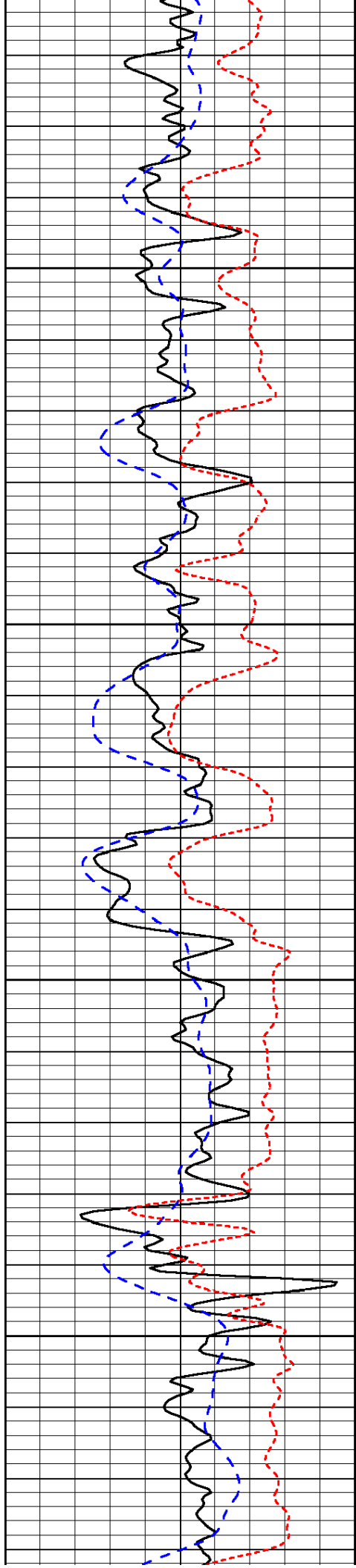
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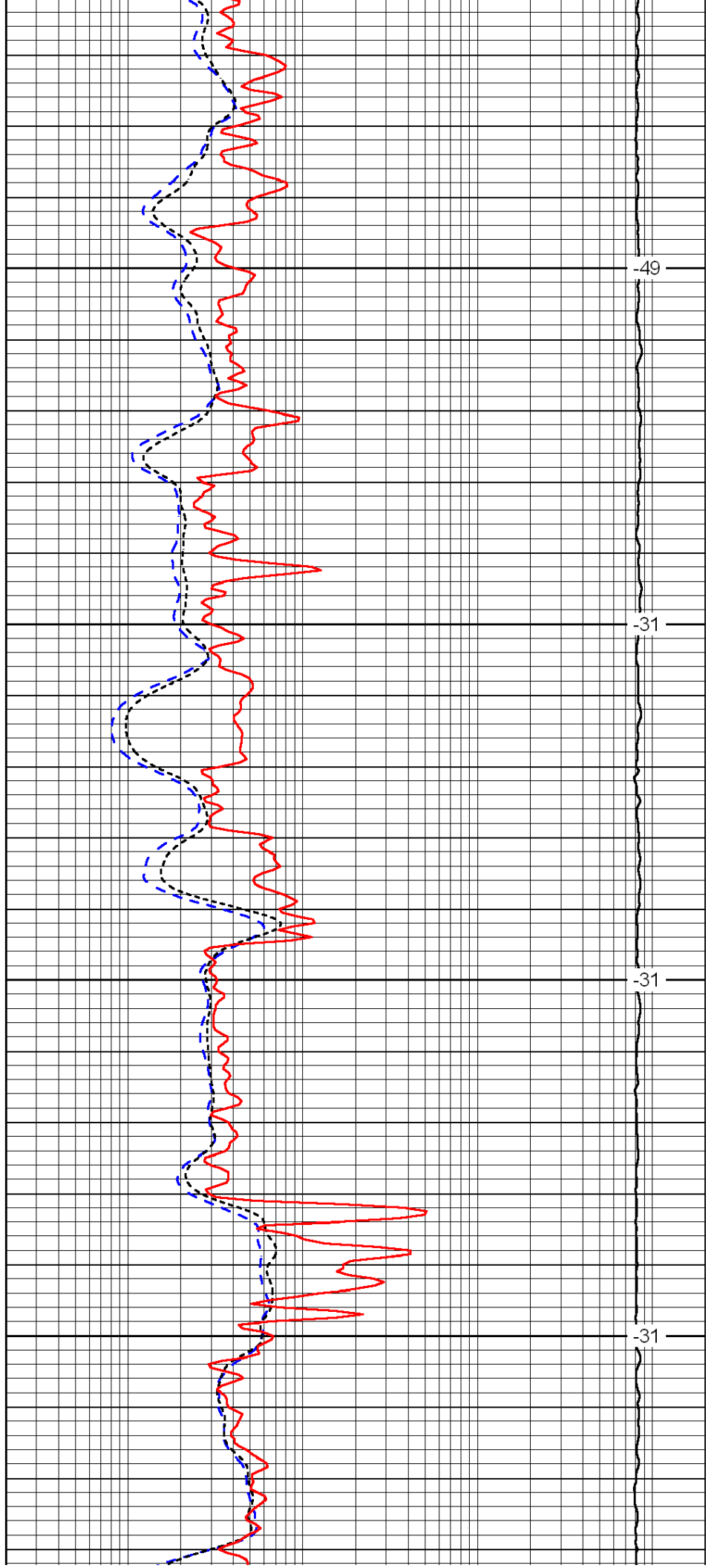


2950

3000

3050

3100

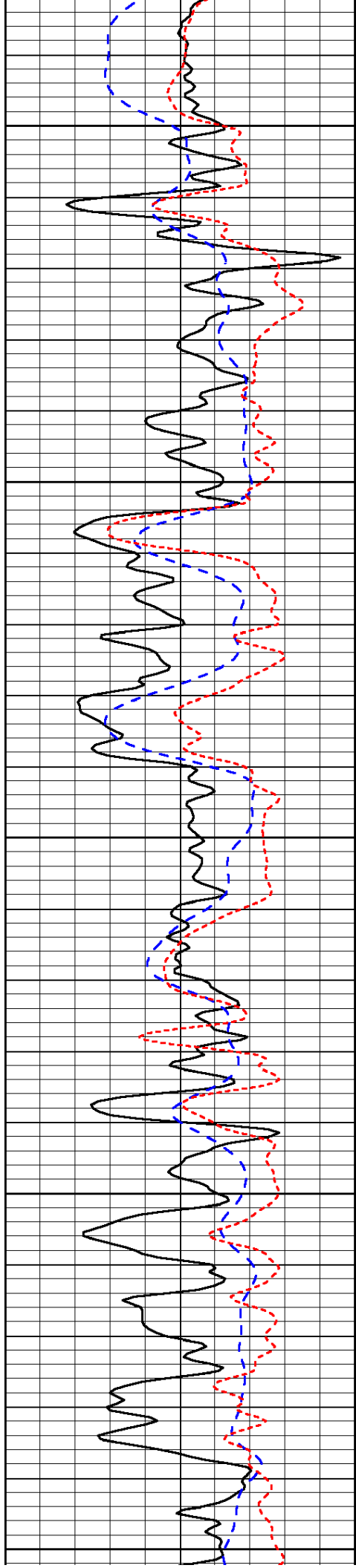


-49

-31

-31

-31



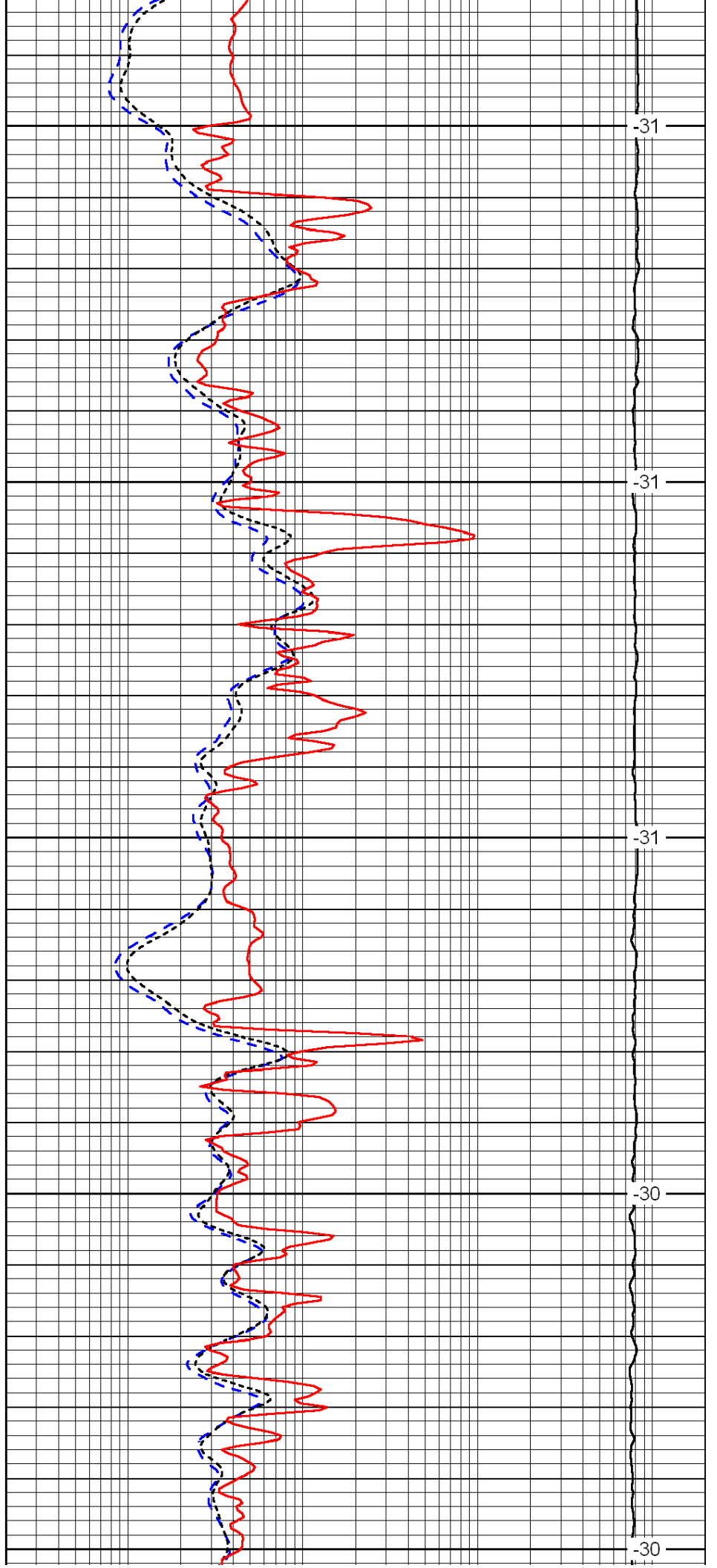
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3200

3250

3300

3350



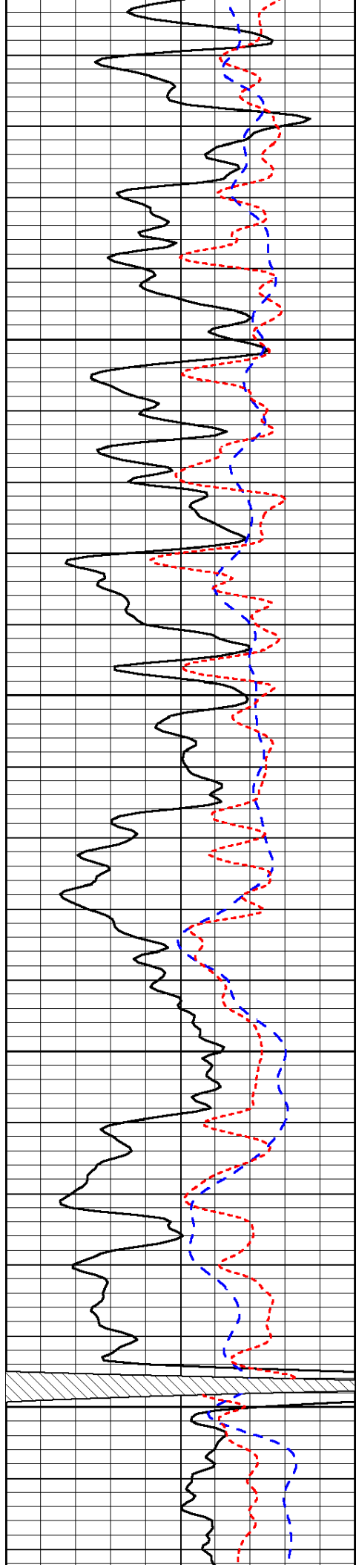
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-31

-31

-30

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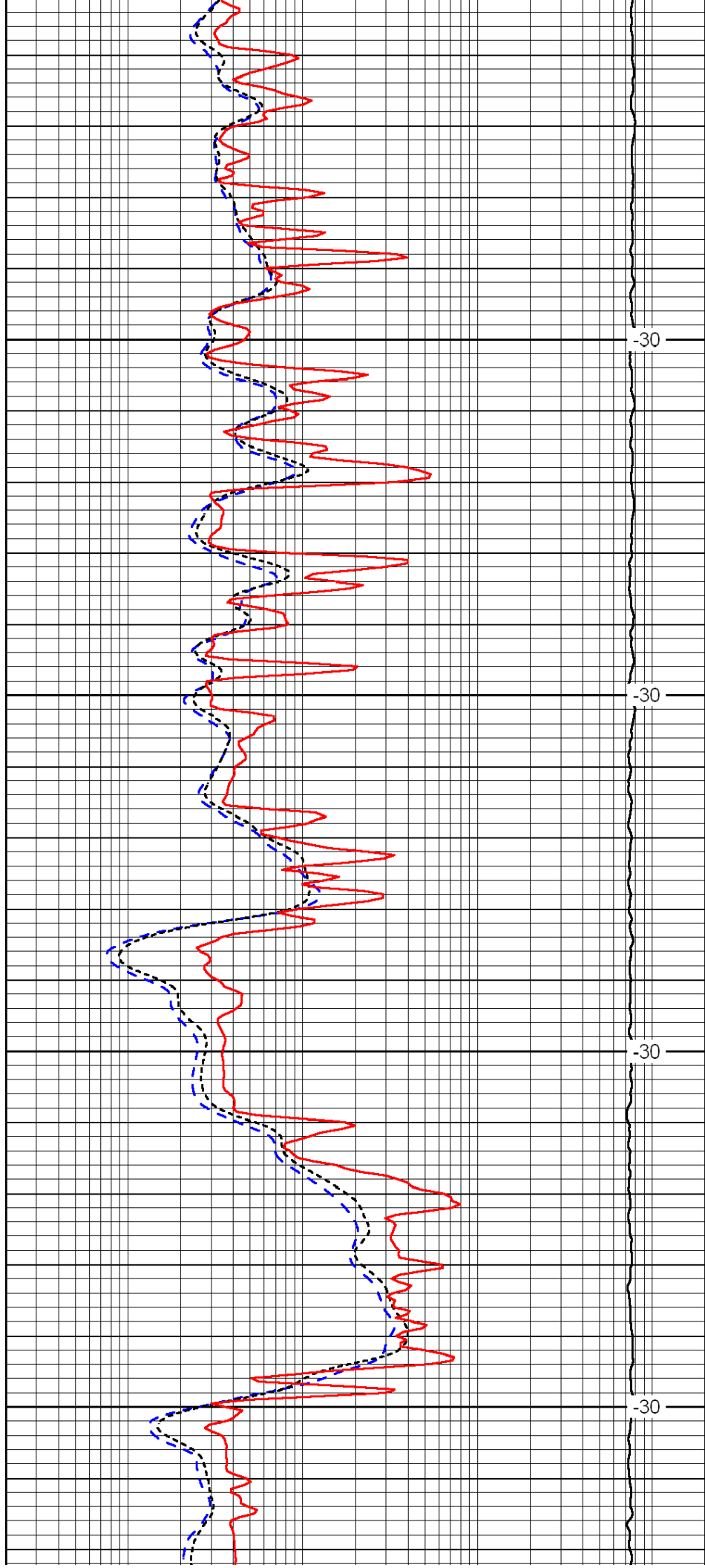


3400

3450

3500

3550

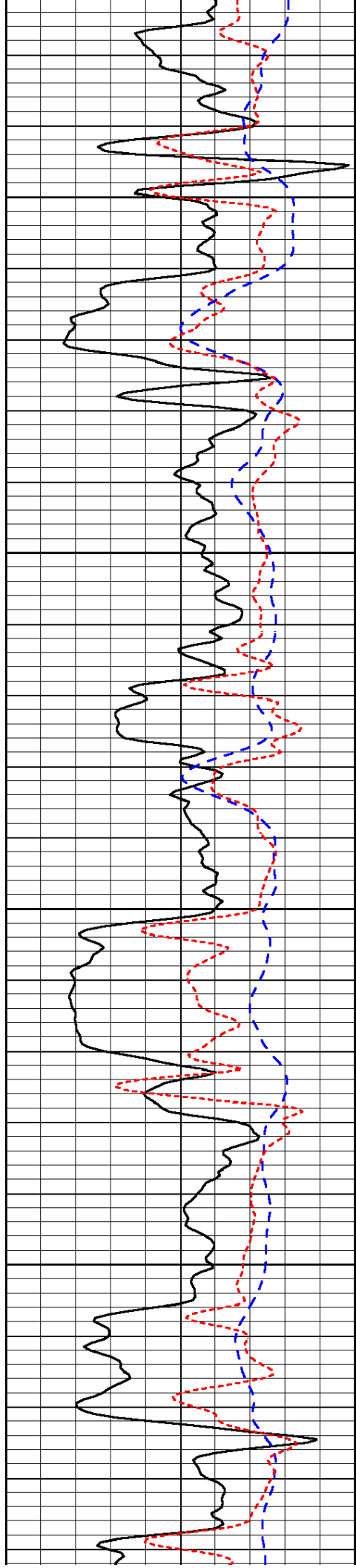


-30

-30

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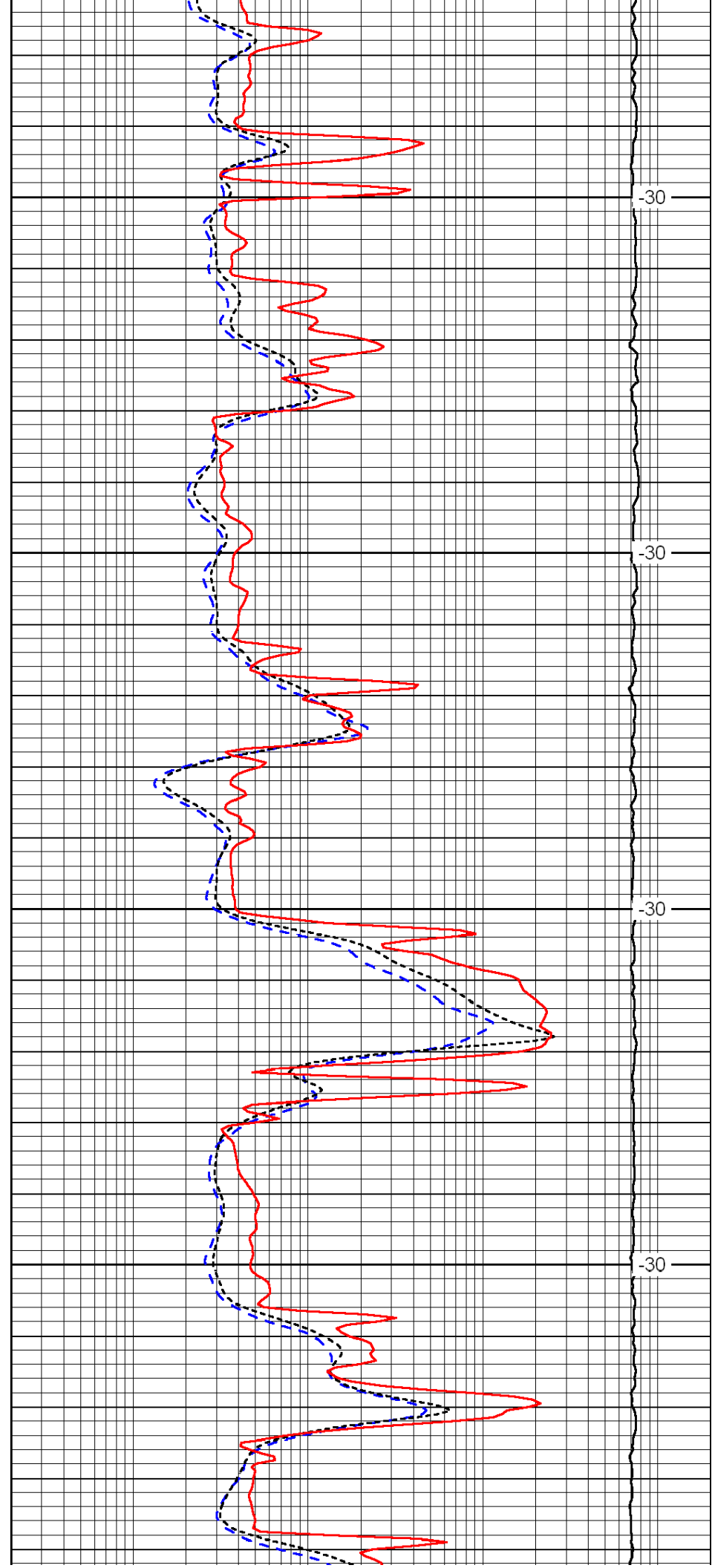


3600

3650

3700

3750

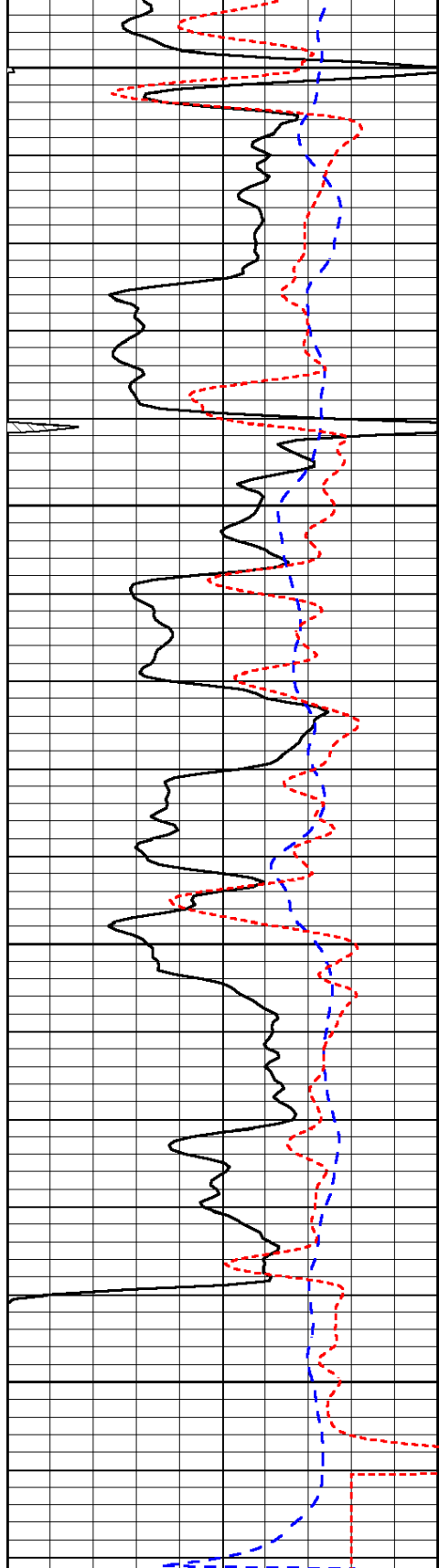


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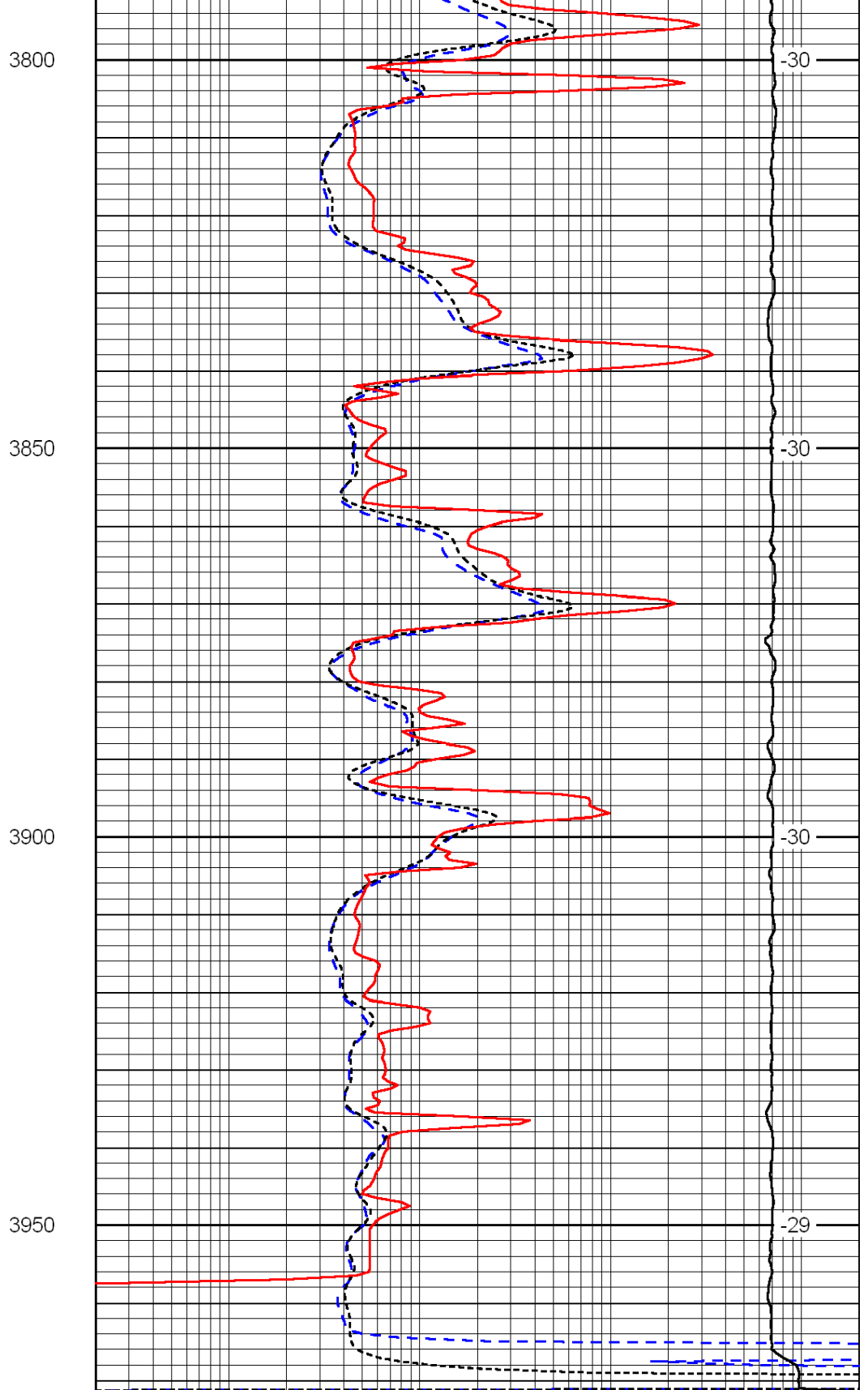
-30

-30

-30



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



0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD