



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	15-193-20,765-00-00		
Company	Murfin Drilling Company, Inc.		
Well	TFE Unit No. 1-21		
Field	Wildcat		
County	Thomas	State	Kansas
Location	2550' FSL & 2270' FWL		
Sec: 21	Twp: 10S	Rge: 34W	
Permanent Datum	Ground Level	Elevation 3201	Other Services CNL/CDL MEL/BHCS
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	K.B. 3206
Drilling Measured From	Kelly Bushing		D.F. 3201
			G.L. 3201

Date	06/19/2009	
Run Number	One	
Depth Driller	4815	
Depth Logger	4813	
Bottom Logged Interval	4812	
Top Log Interval	0	
Casing Driller	8.625 @ 249	
Casing Logger	245	
Bit Size	7.875	
Type Fluid in Hole	Chemical	
Salinity, ppm CL	9.700	
Density / Viscosity	9.0	55
pH / Fluid Loss	11.5	6.8
Source of Sample	Flowline	
Rm @ Meas. Temp	.58 @ 75	
Rmf @ Meas. Temp	.43 @ 75	
Rmc @ Meas. Temp	.78 @ 75	
Source of Rmf / Rmc	Charts	
Rm @ BHT	.34 @ 126	
Operating Rig Time	5 Hours	
Max Rec. Temp. F	126	
Equipment Number	10	
Location	Hays	
Recorded By	Jason 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

Oakley W to Highway 25, 6 N to D rd, 3 W, 1/2 S, E Into

Database File: murfhd.db
 Dataset Pathname: dil/murf2in
 Presentation Format: dil2in
 Dataset Creation: Fri Jun 19 07:29:30 2009
 Charted by: Depth in Feet scaled 1:600

0 Gamma Ray 150
-200 SP 0

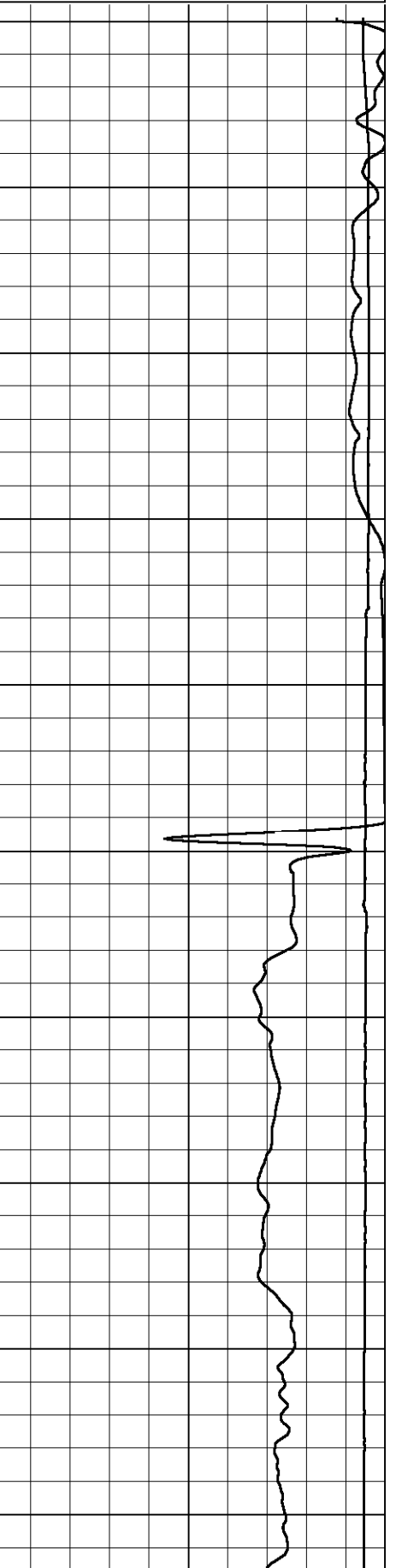
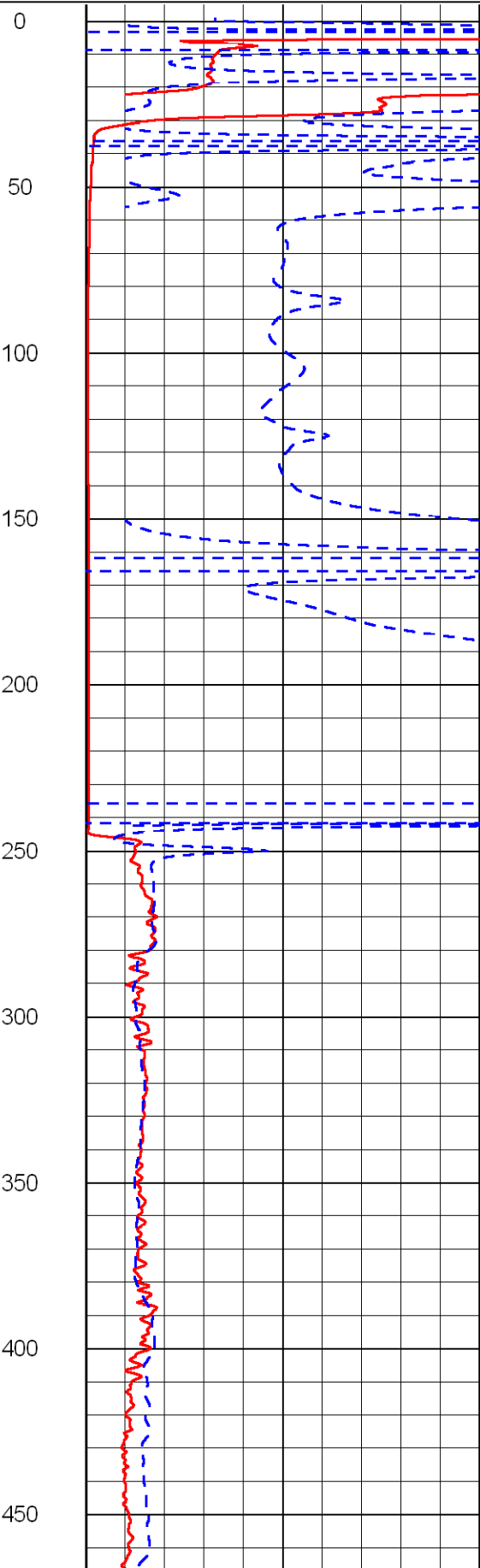
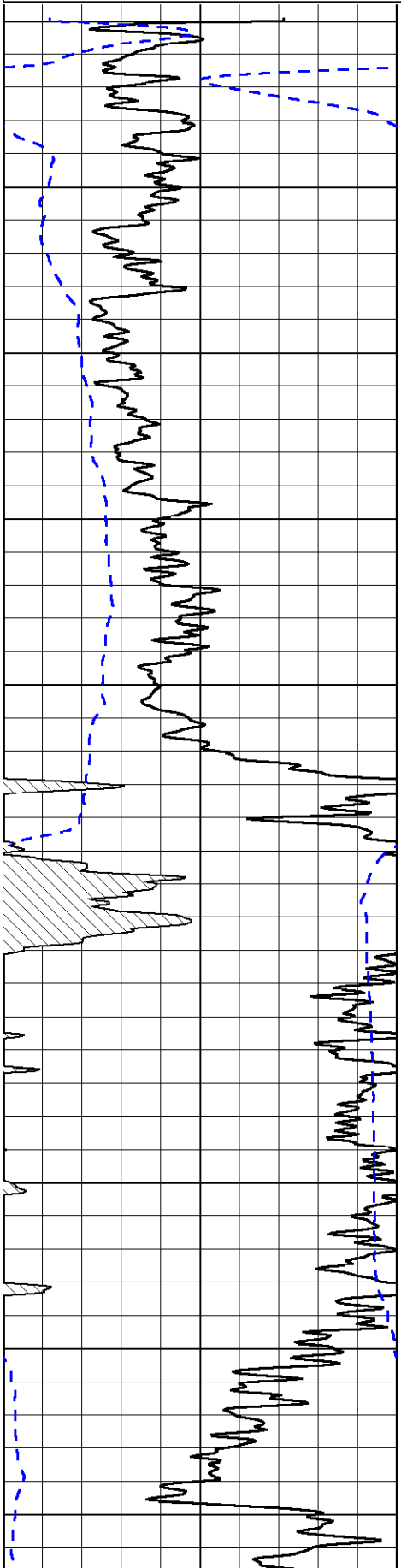
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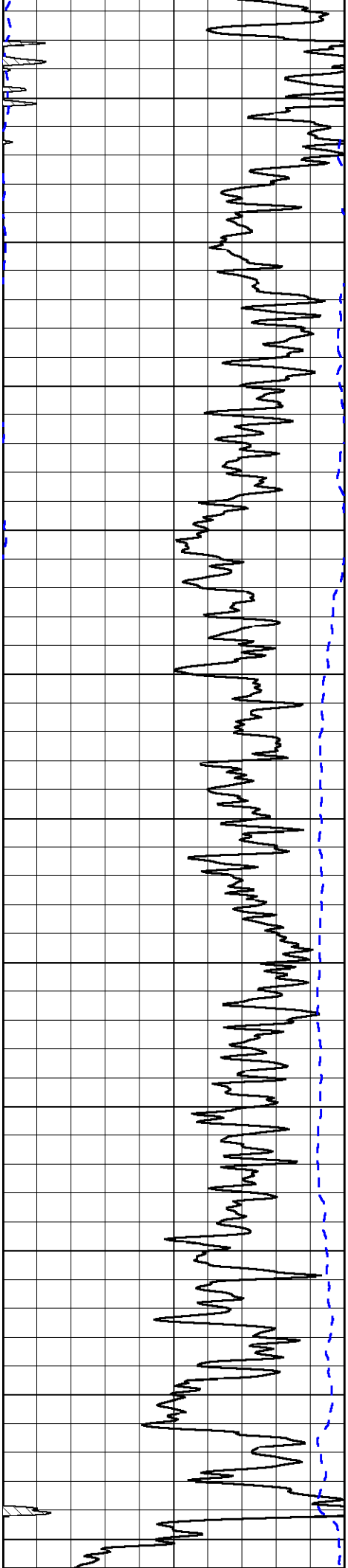
1000 Conductivity 0

15000 Line Tension 0

50 Shallow Resistivity 500

50 Deep Resistivity 500





500

550

600

650

700

750

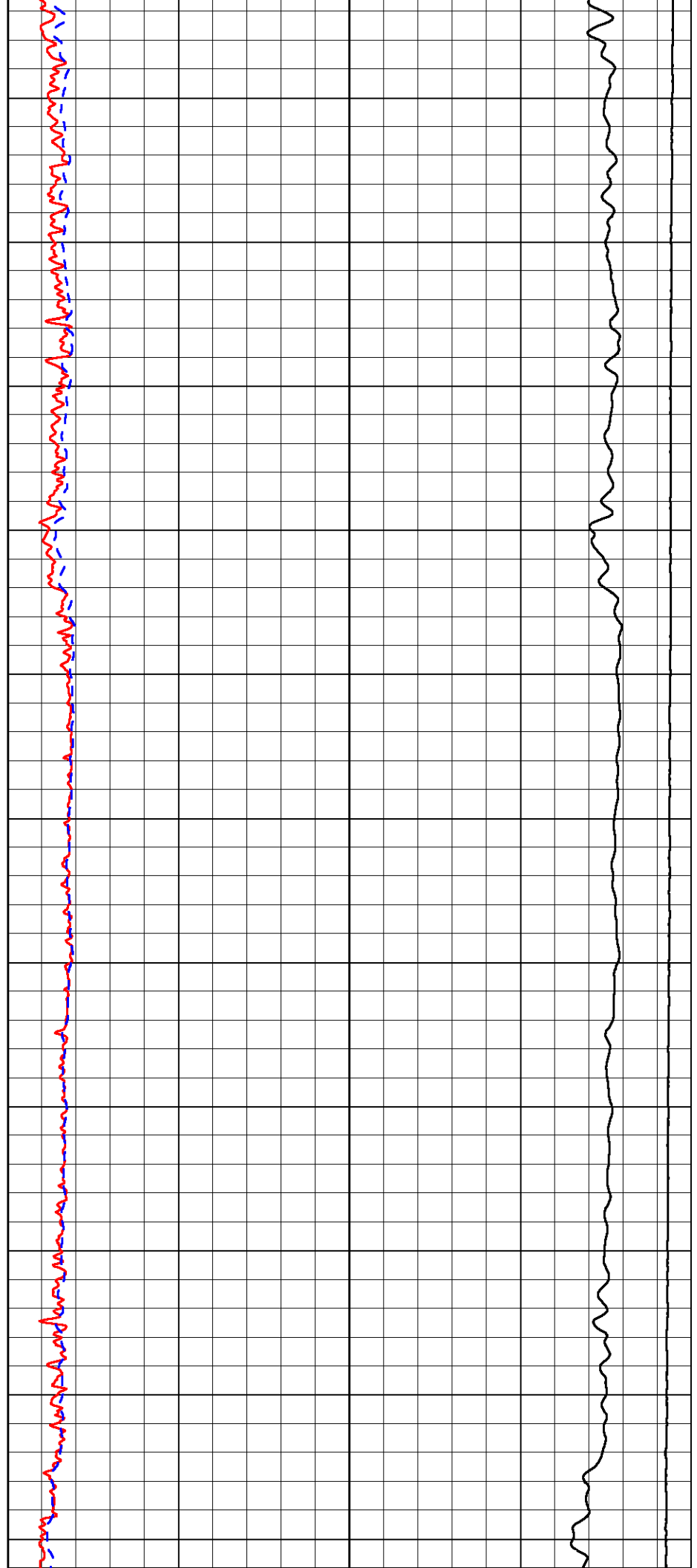
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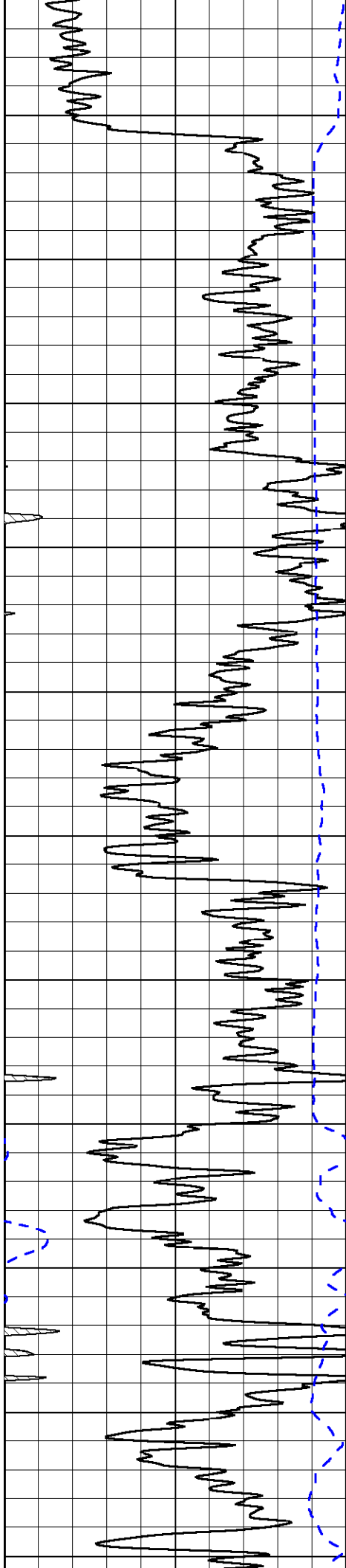
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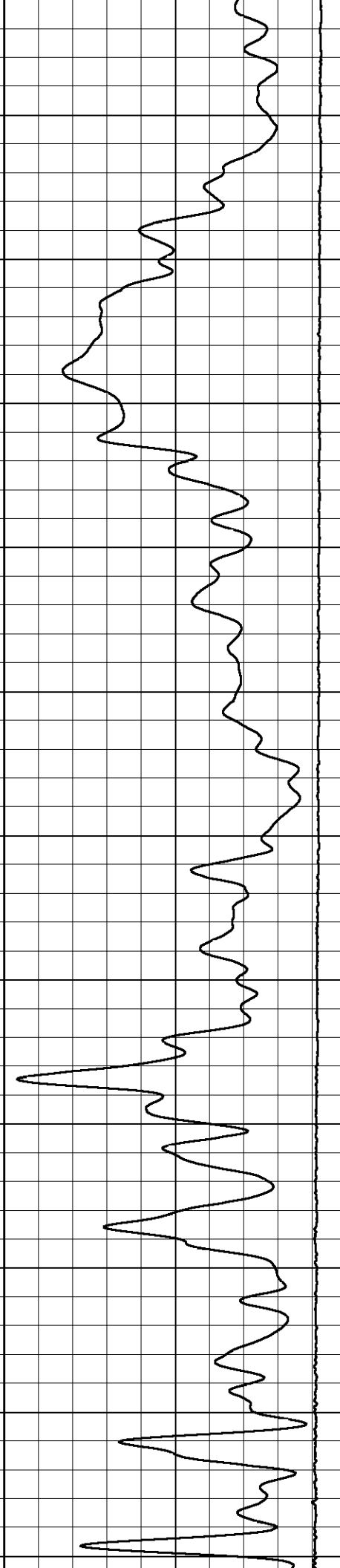
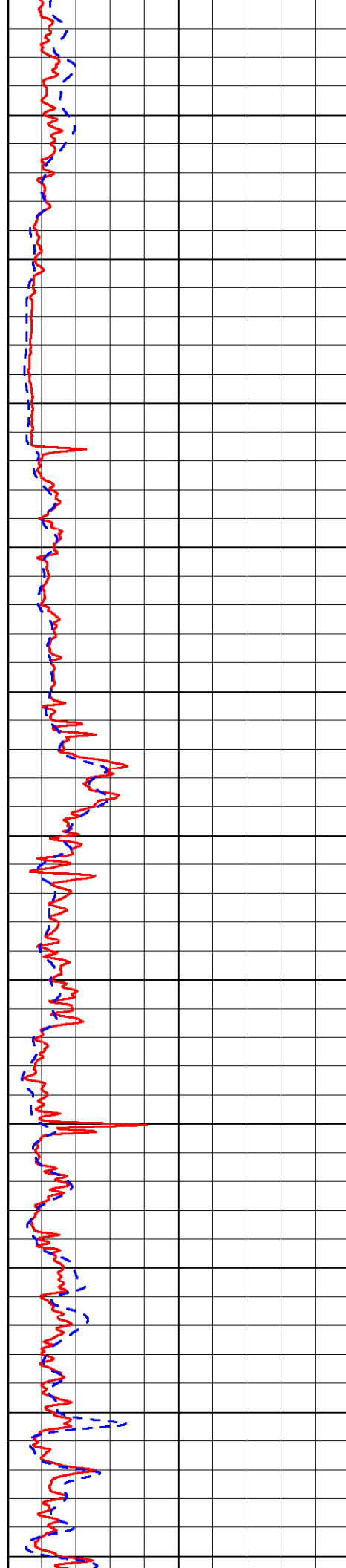
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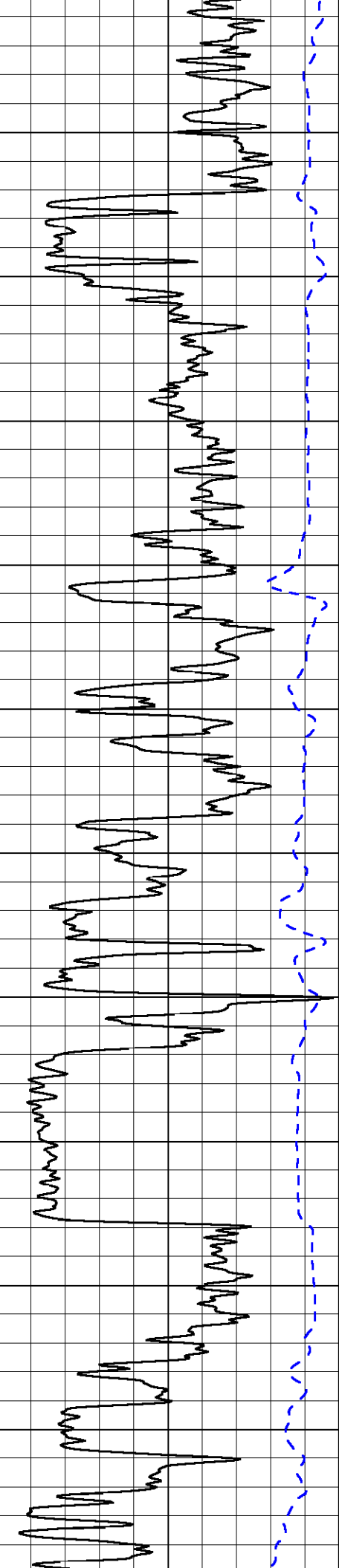
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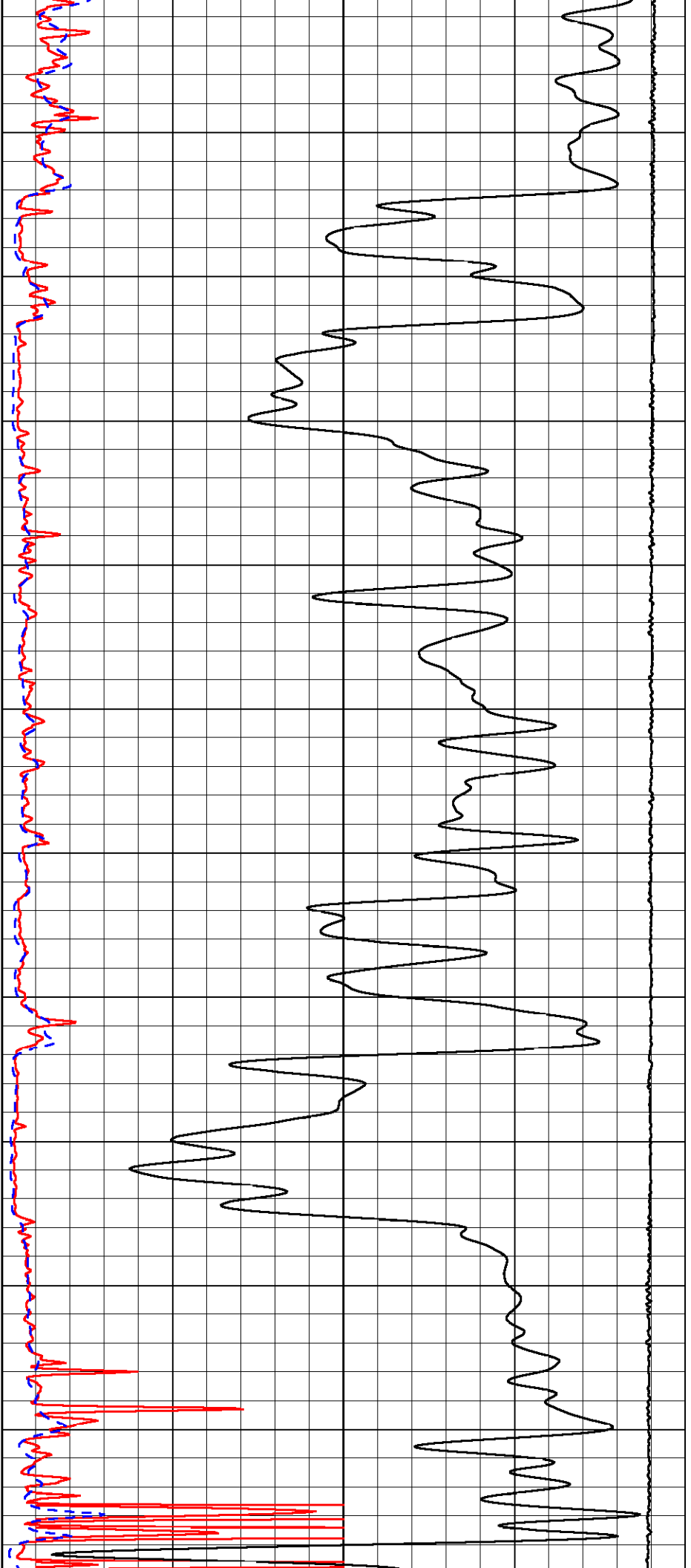


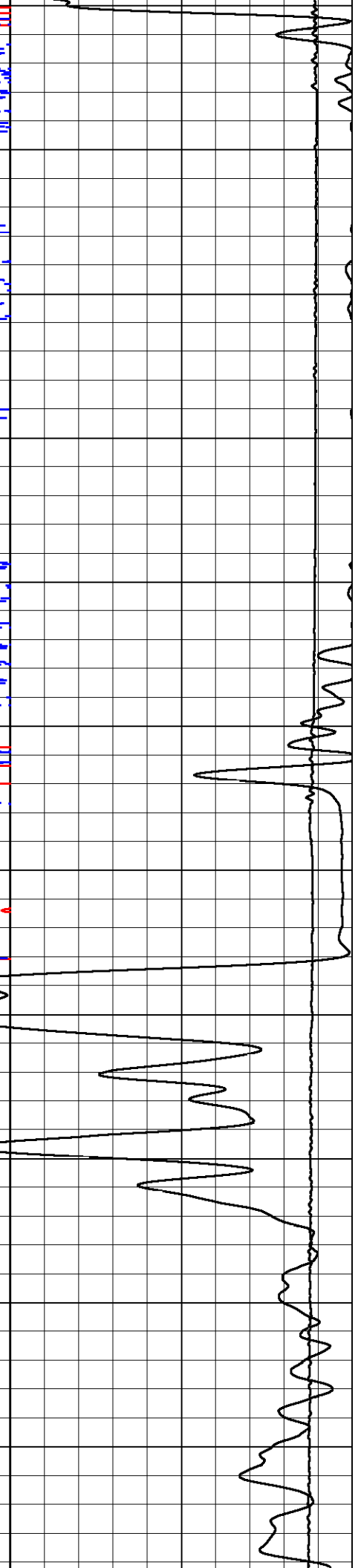
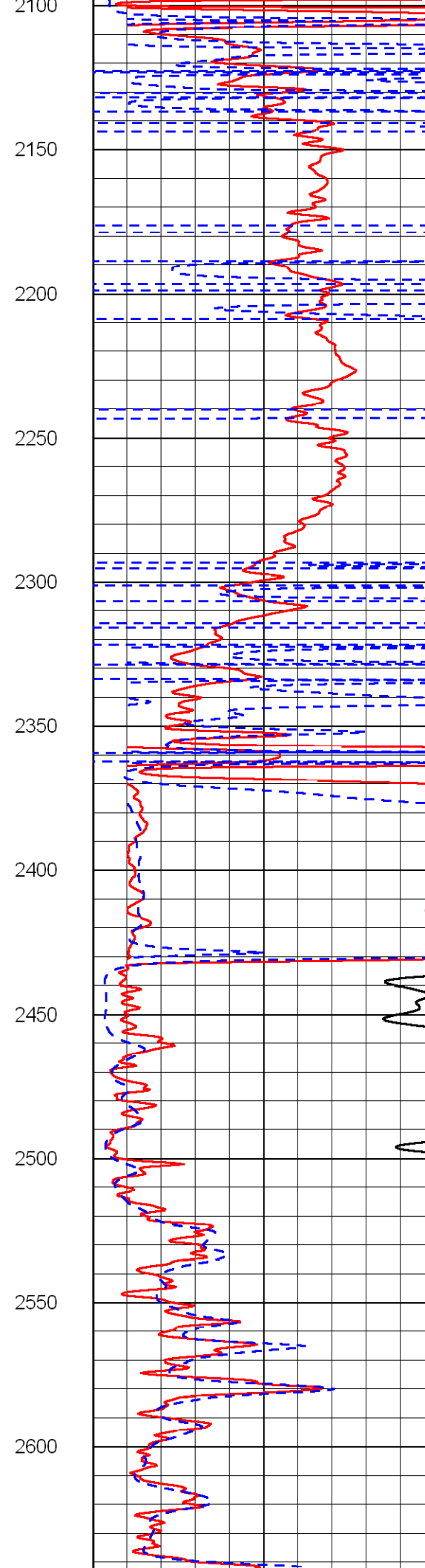
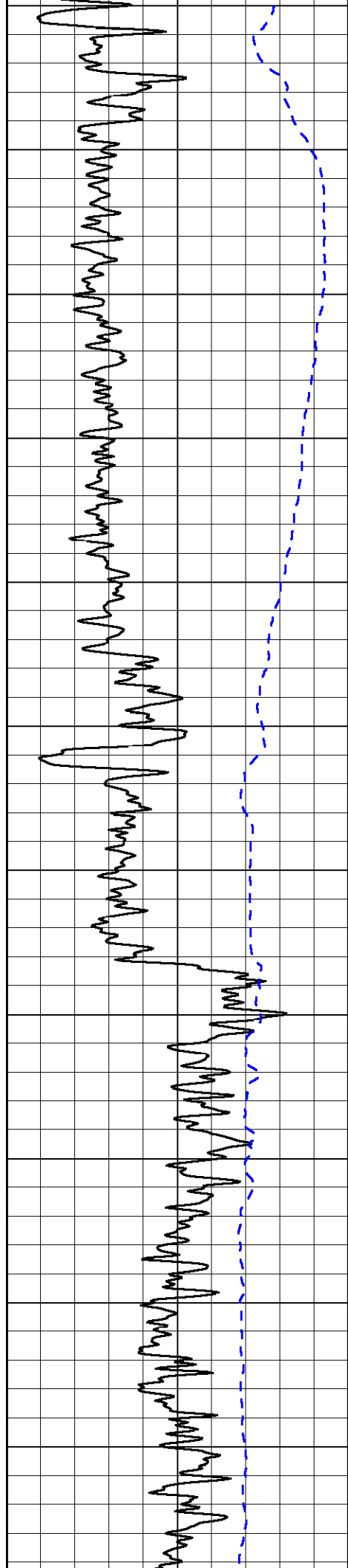
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1100
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1200
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1300
1350
1400
1450
1500
1550

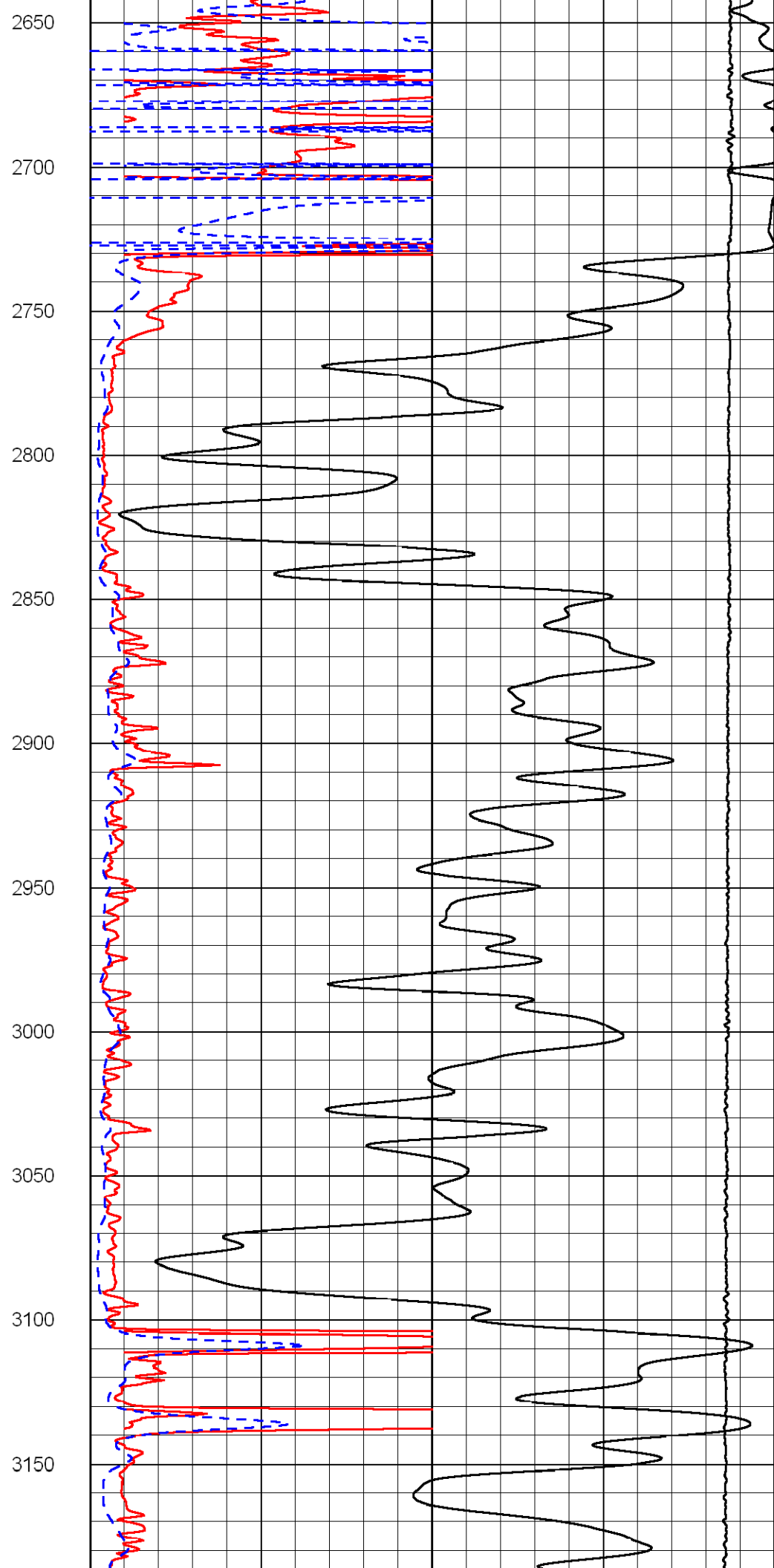
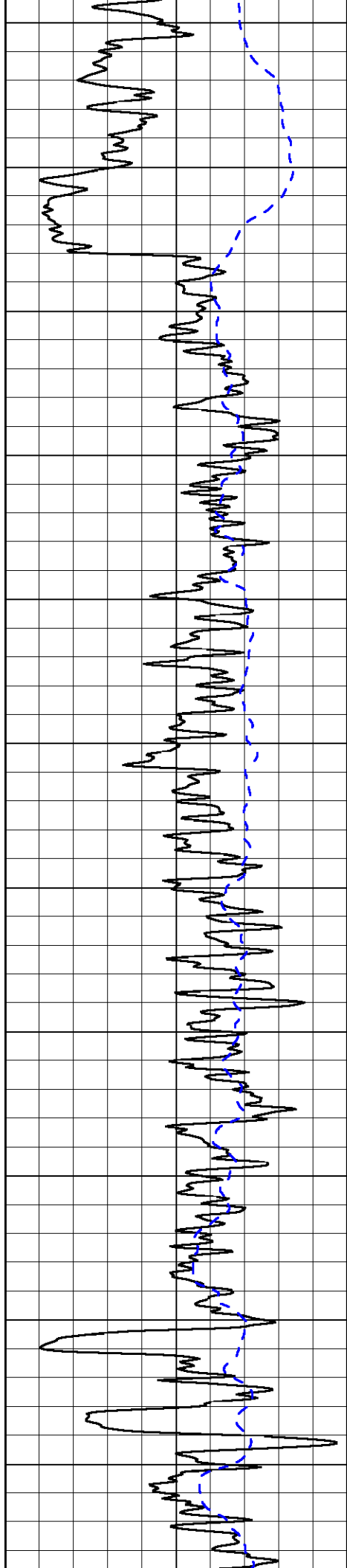


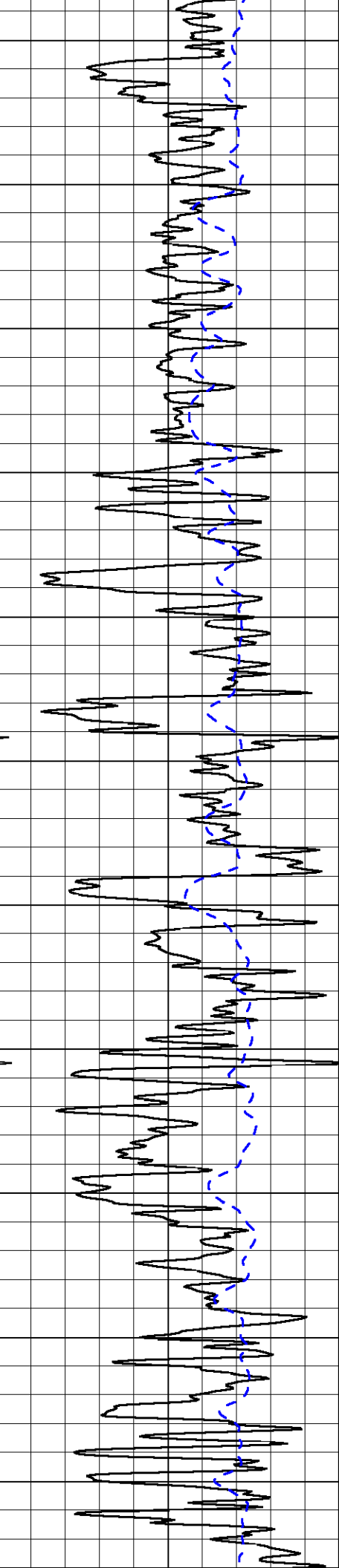


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1650
1700
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1800
1850
1900
1950
2000
2050
2100









3200

3250

3300

3350

3400

3450

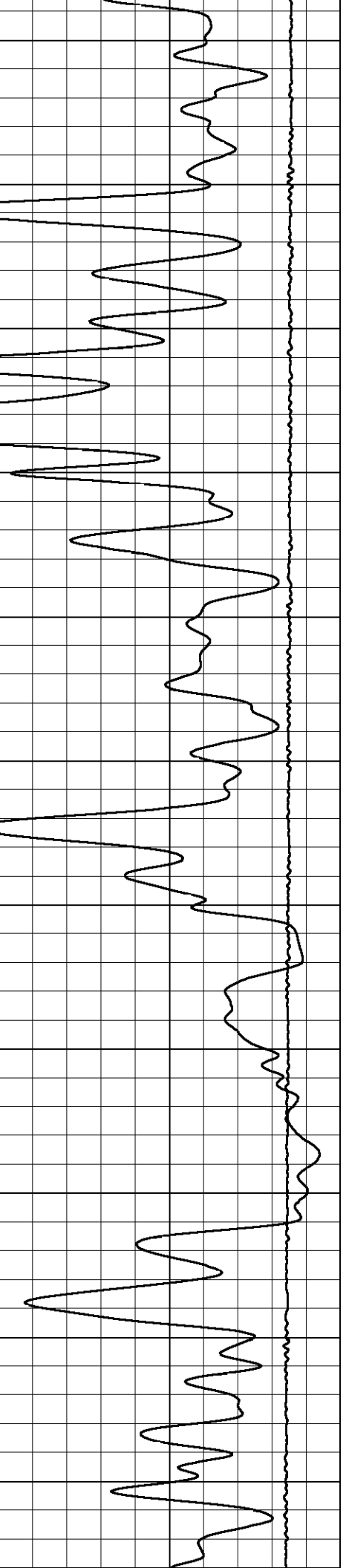
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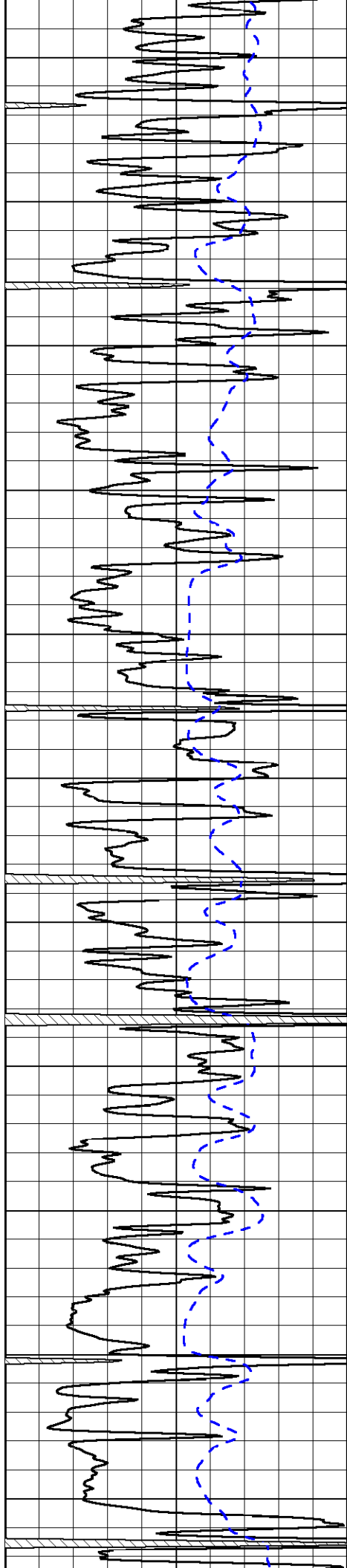
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3750

3800

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3900

3950

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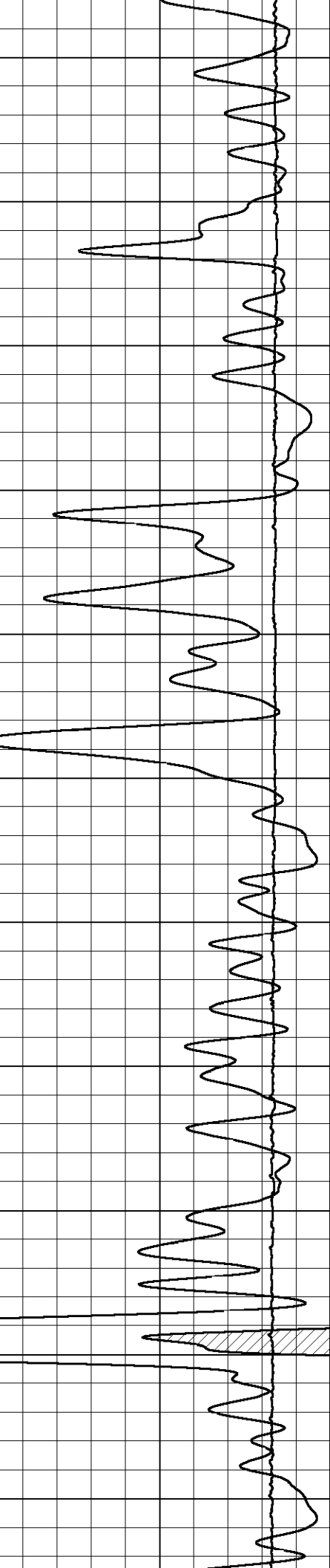
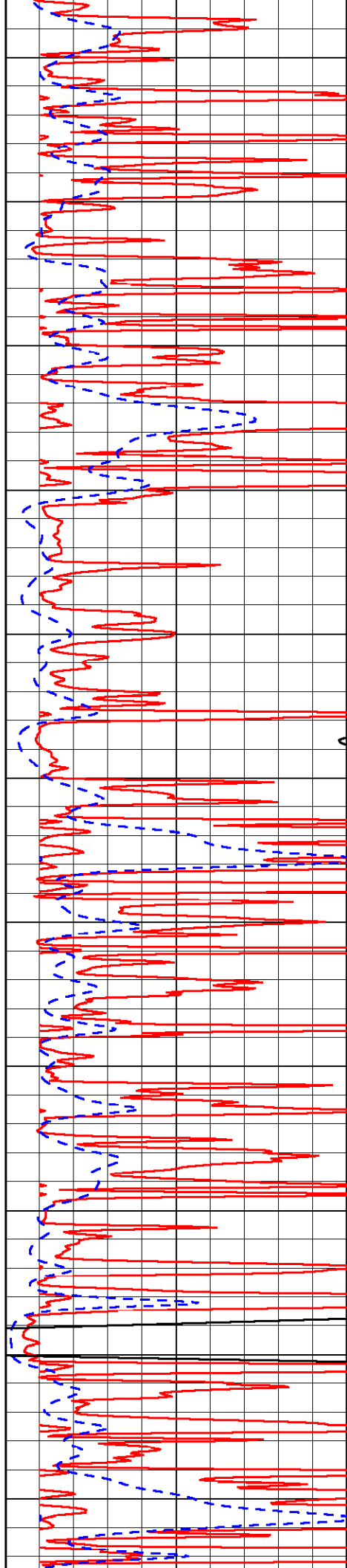
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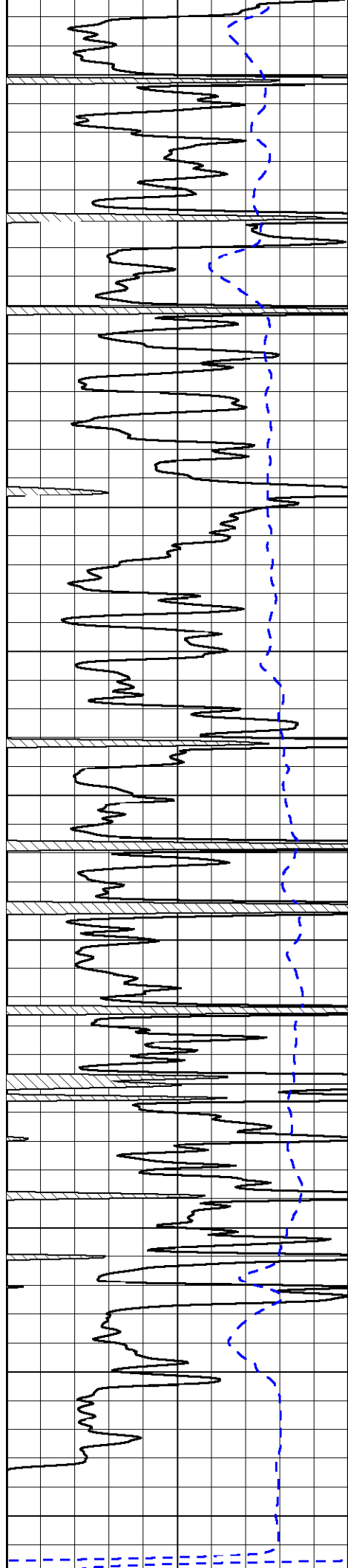
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4200

4250





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4500

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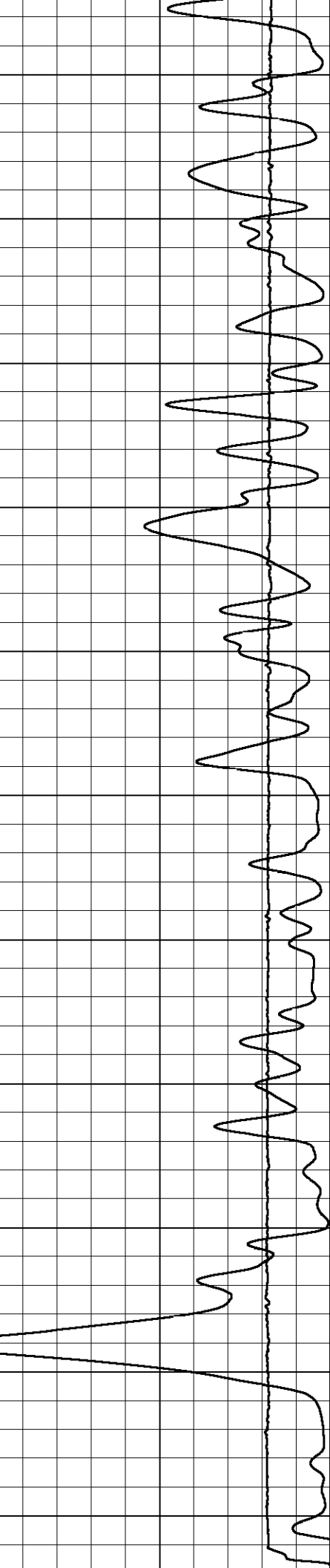
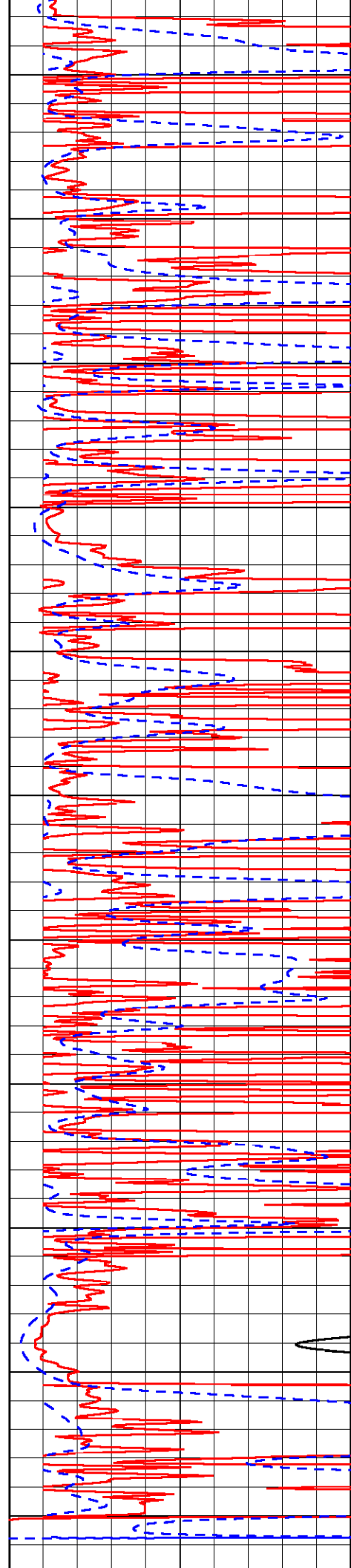
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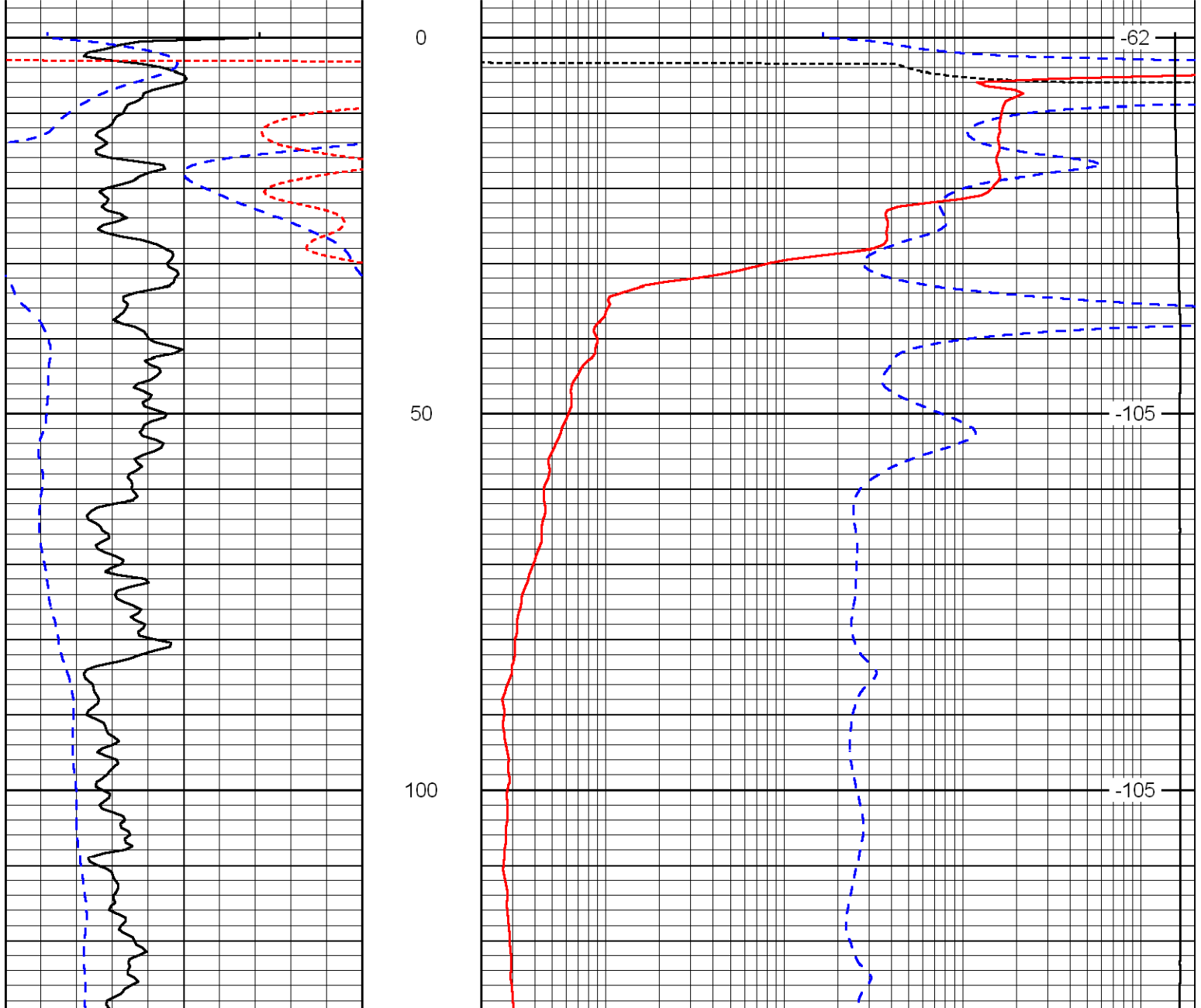


0	Gamma Ray	150	0	Shallow Resistivity	50		
-200	SP	0	0	Deep Resistivity	50		
			1000	Conductivity			0
			15000	Line Tension			0
			50	Shallow Resistivity	500		
			50	Deep Resistivity	500		

Database File: murfhd.db
 Dataset Pathname: dil/murf2in
 Presentation Format: dil
 Dataset Creation: Fri Jun 19 07:29:30 2009
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	0.2	Deep Resistivity	2000	
-200	SP	0	0.2	Medium Resistivity	2000	
-160	Rxo / Rt	40	0.2	Shallow Resistivity	2000	
			15000	Line Tension	0	

LSPD



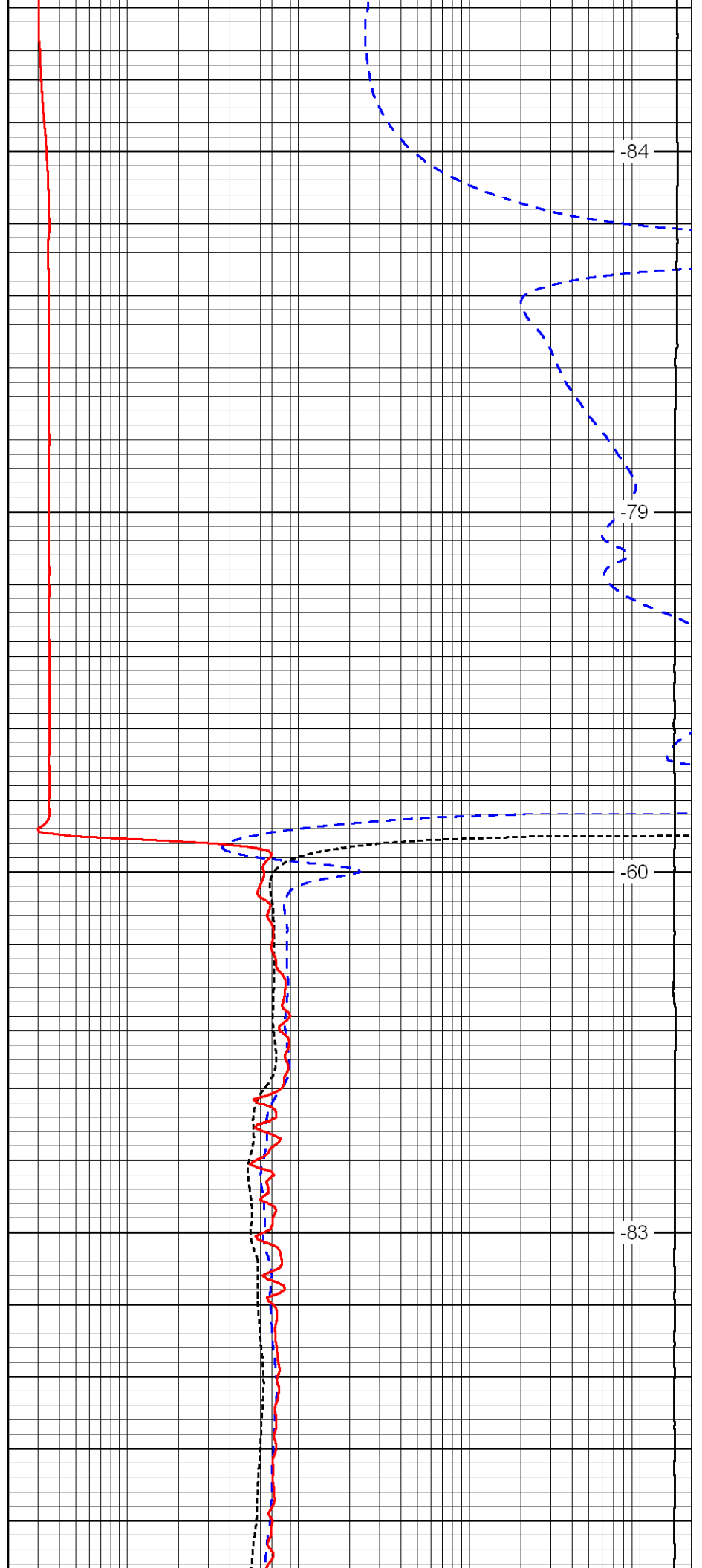


150

200

250

300

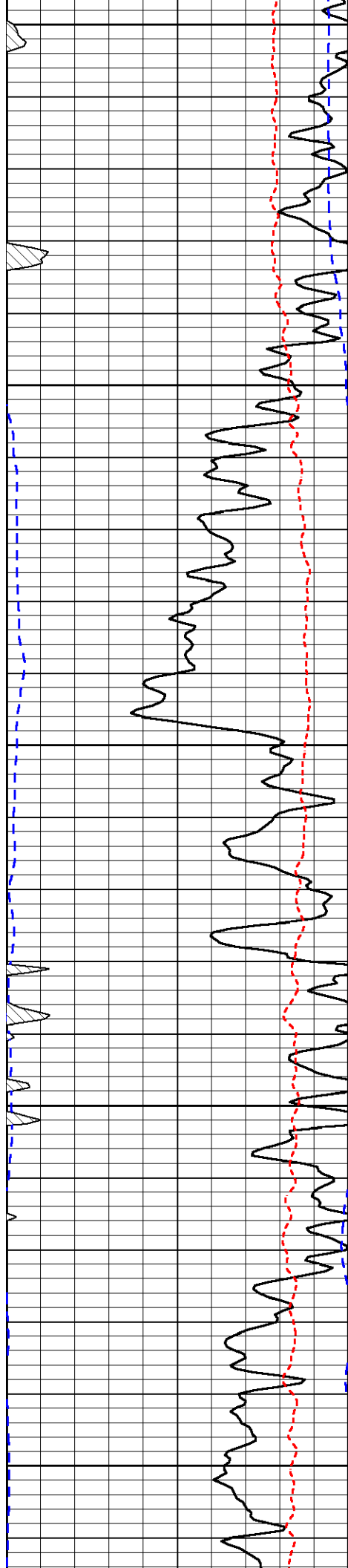


-84

-79

-60

-83



350

400

450

500

550

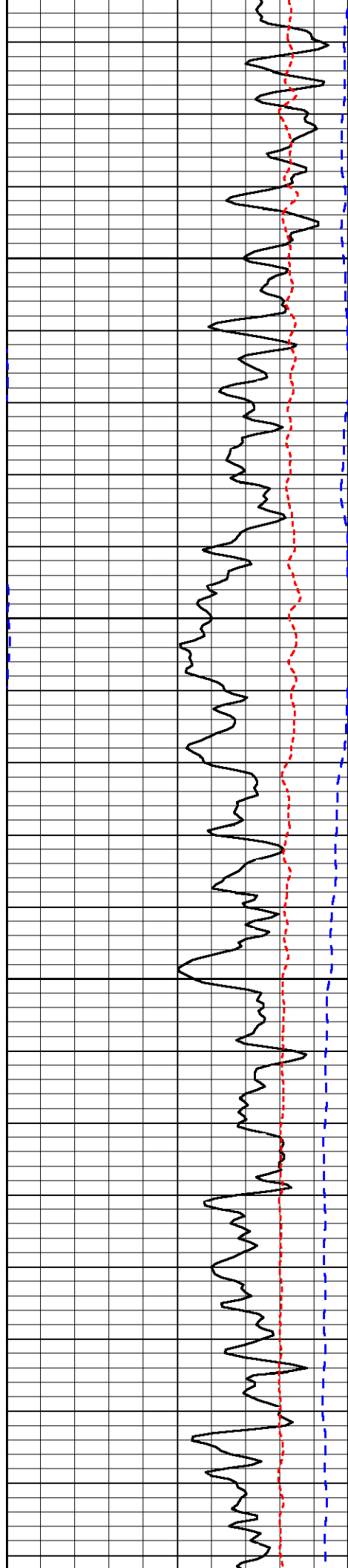
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-83

-83

-83

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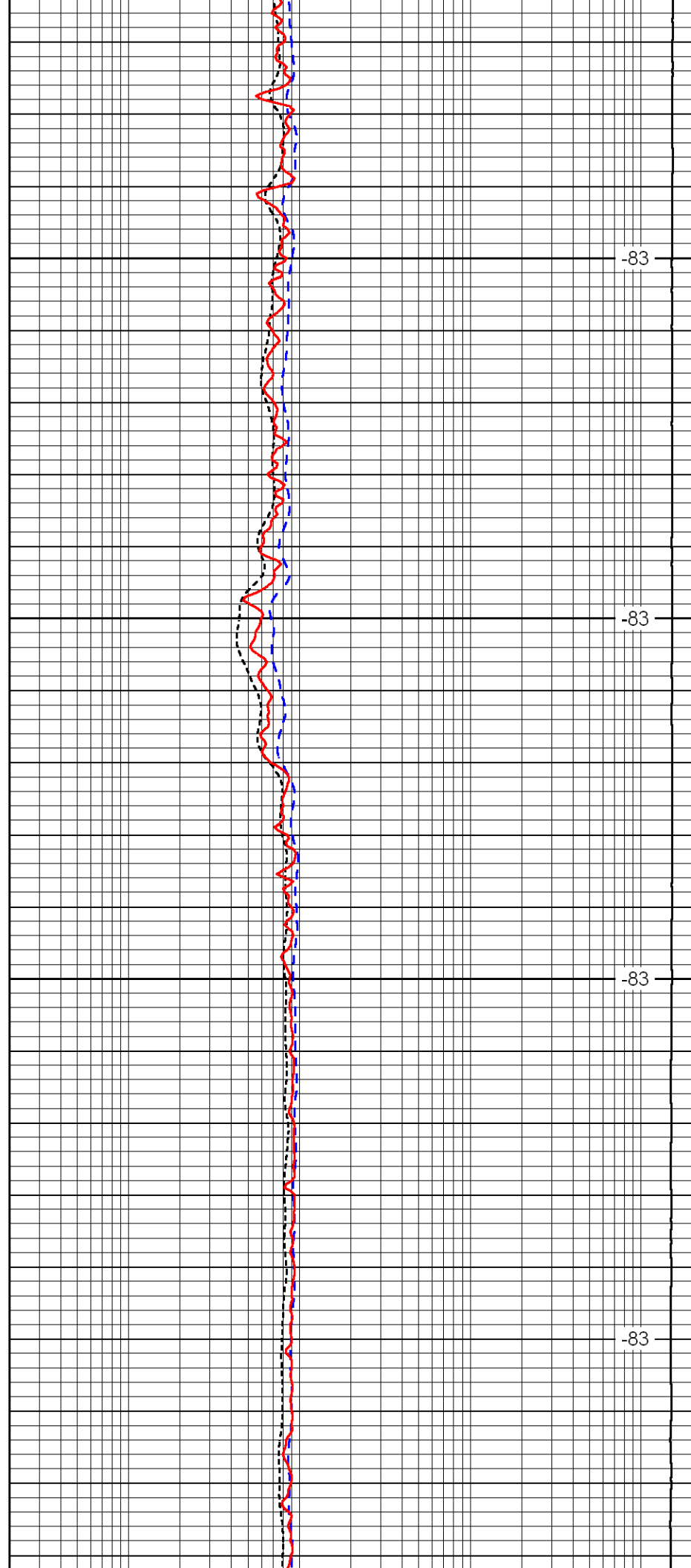


600

650

700

750

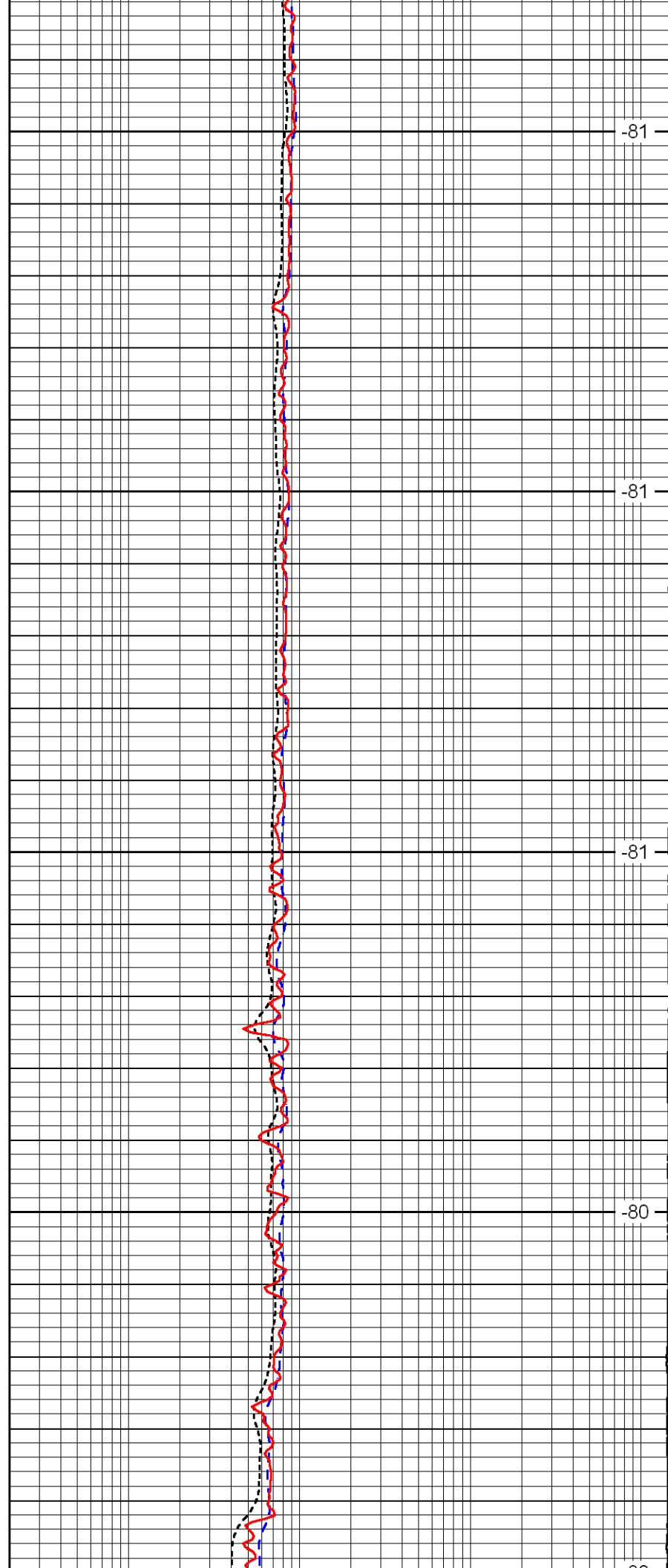
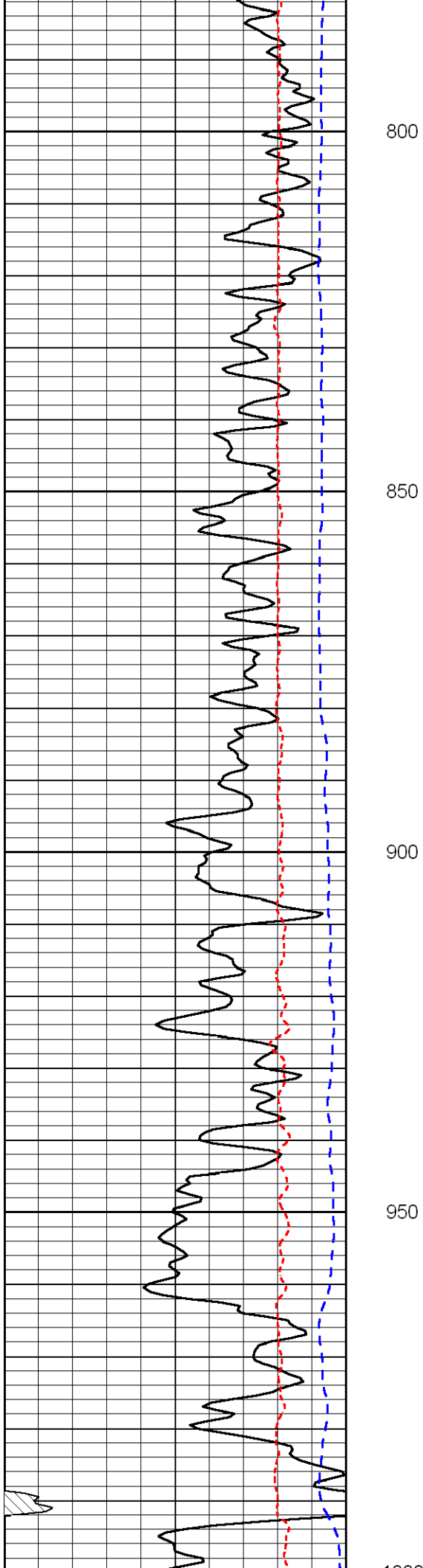


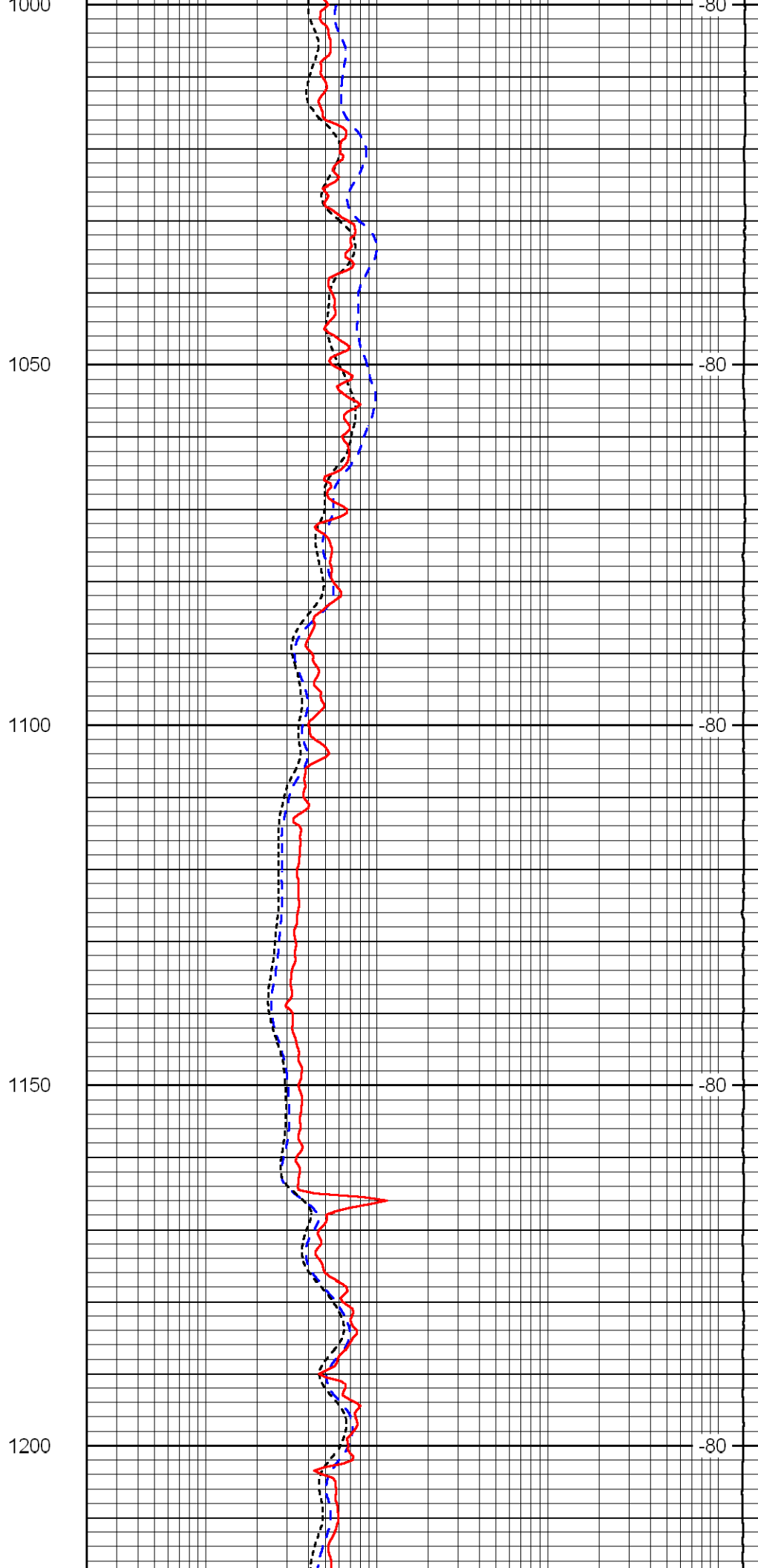
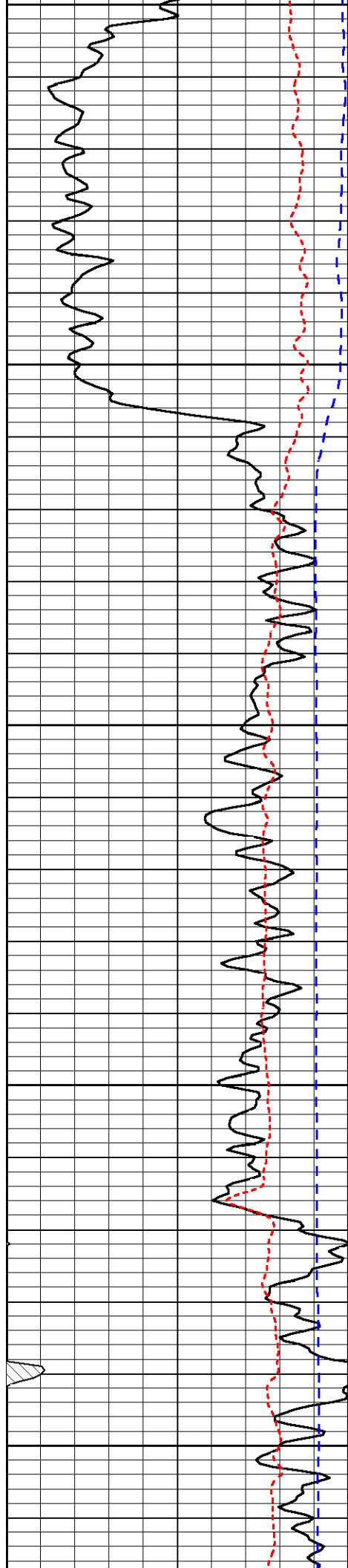
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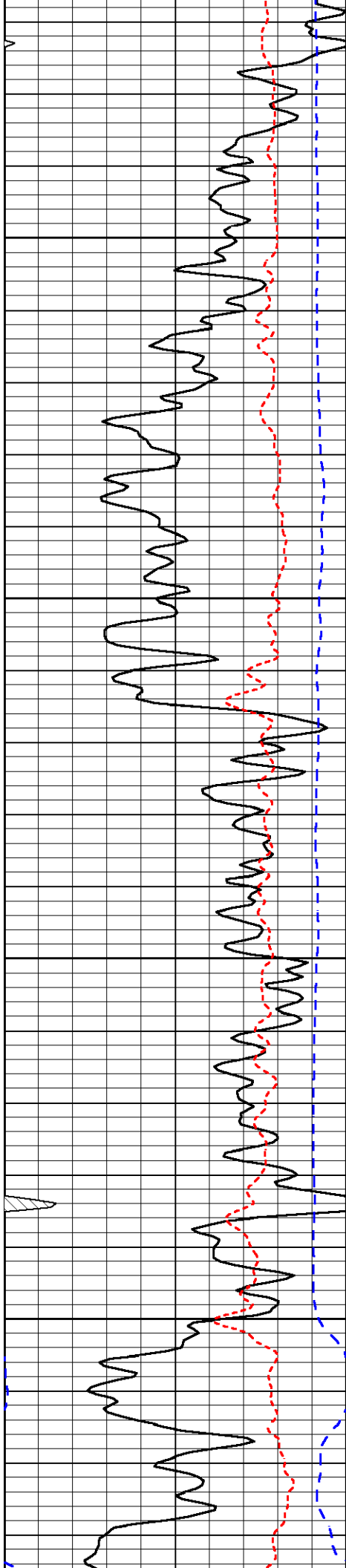
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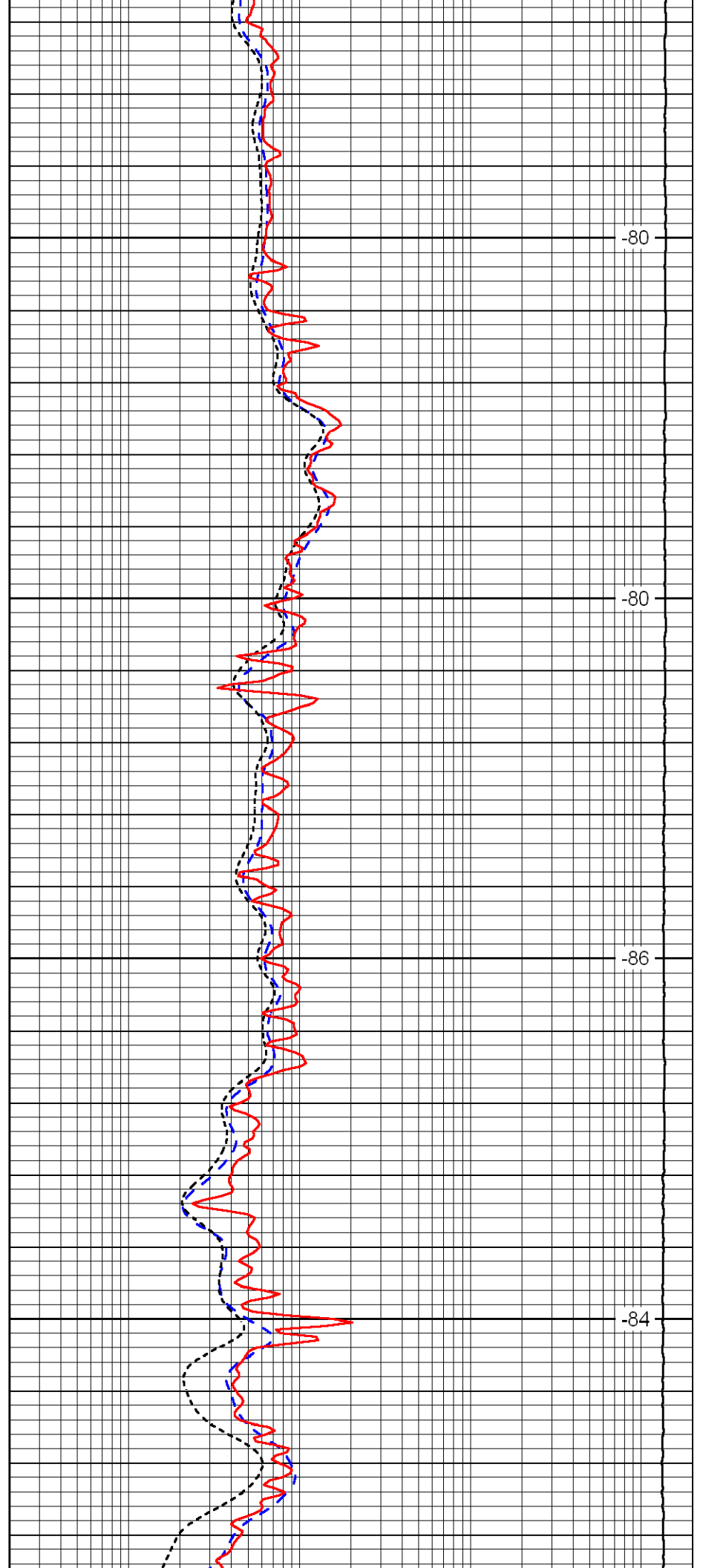


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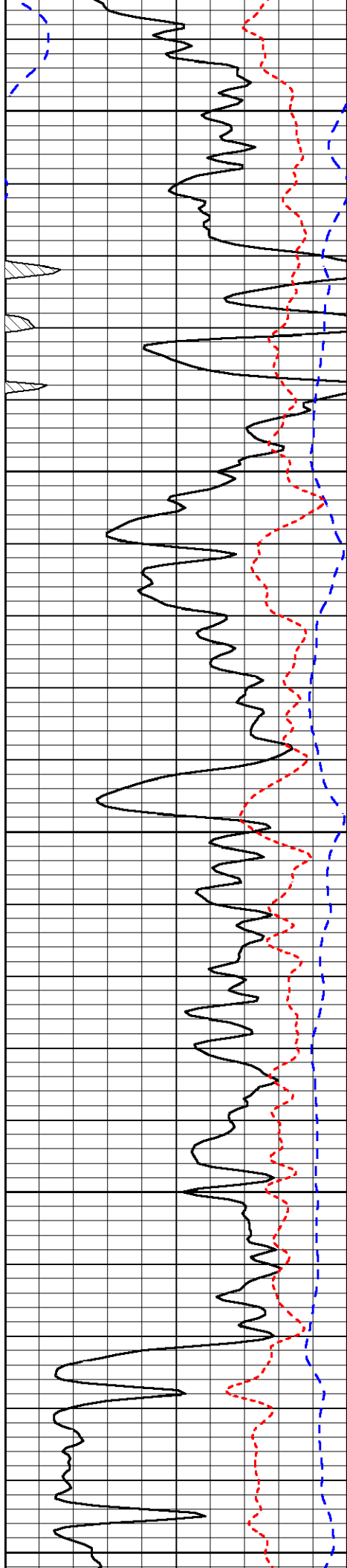


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-80

-86

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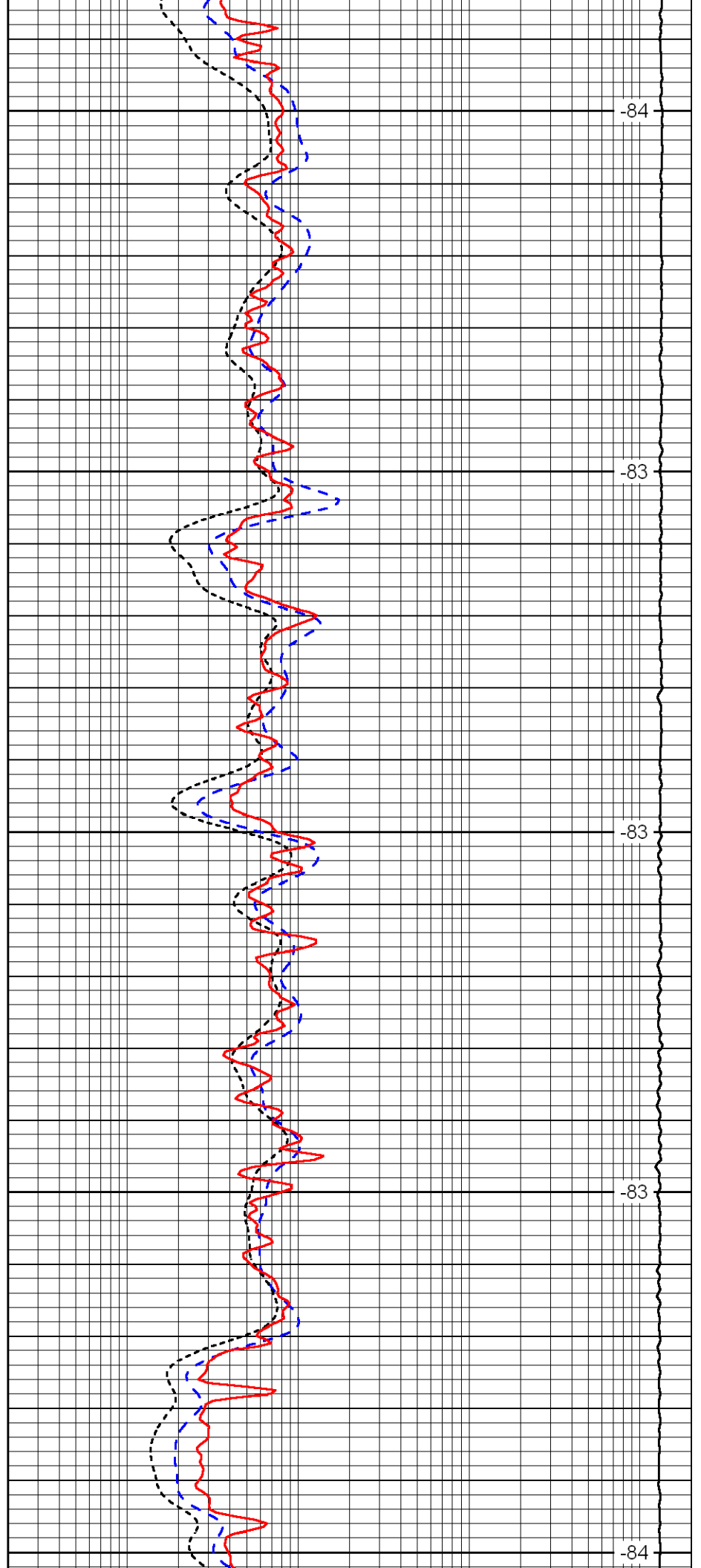
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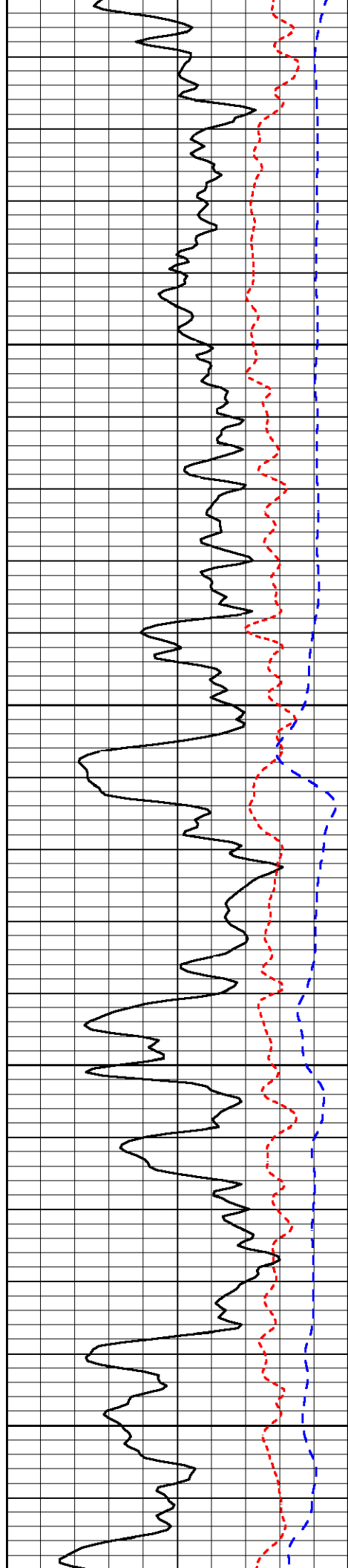
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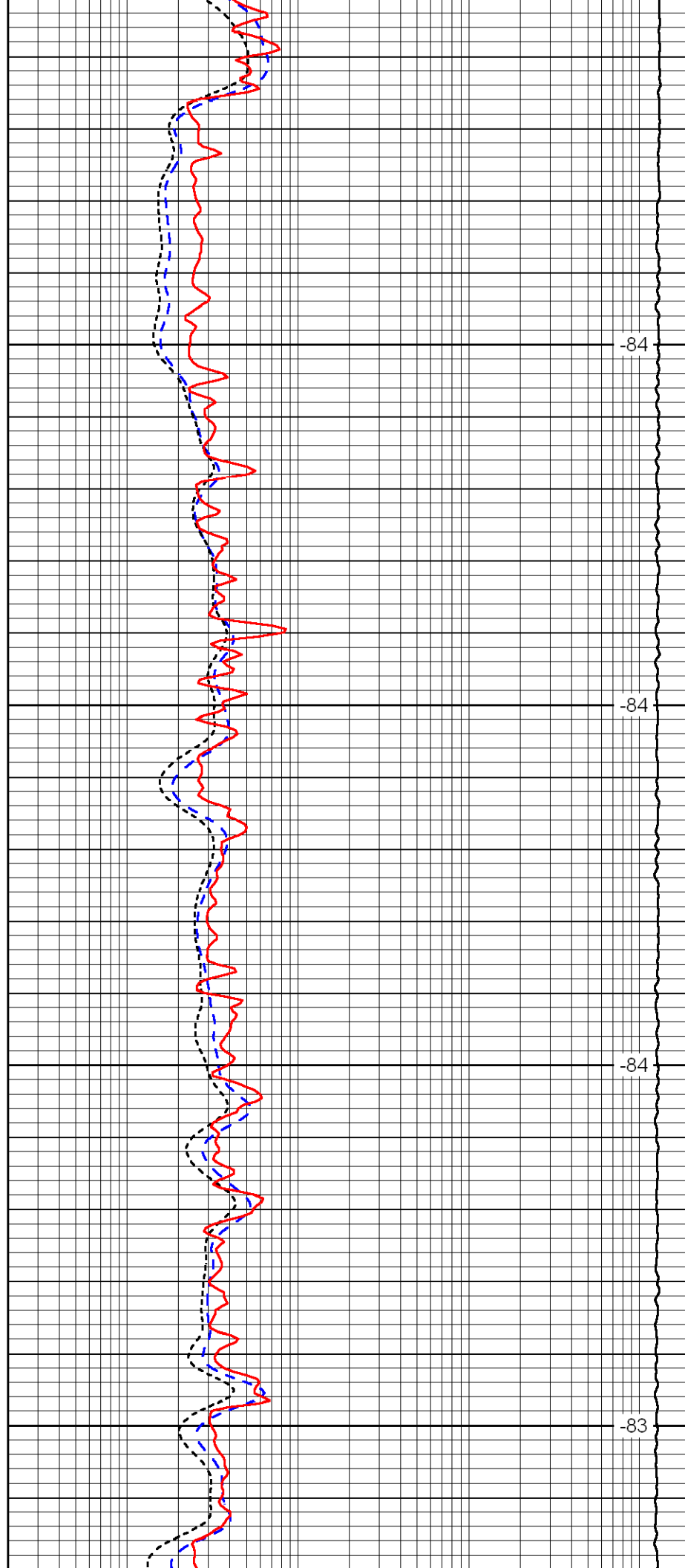


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1750

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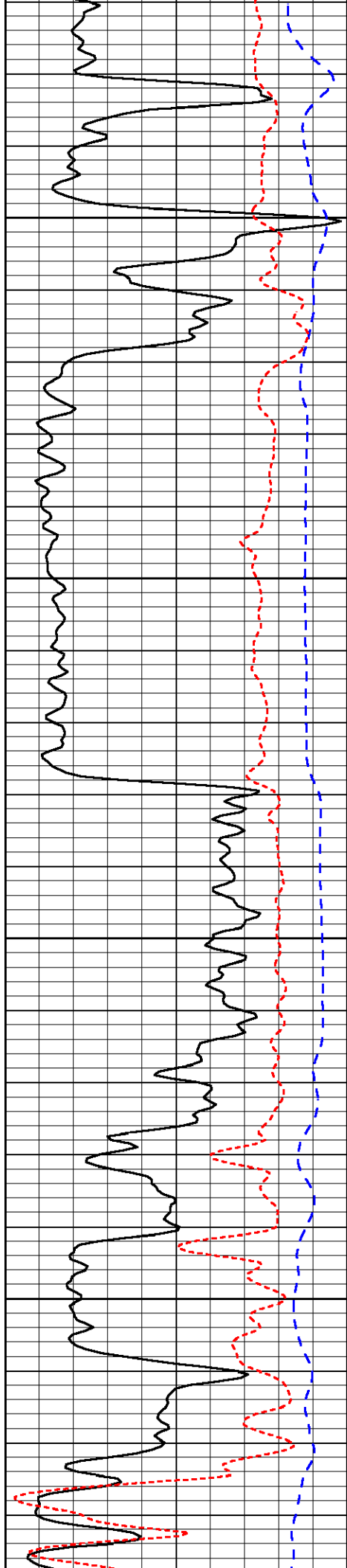


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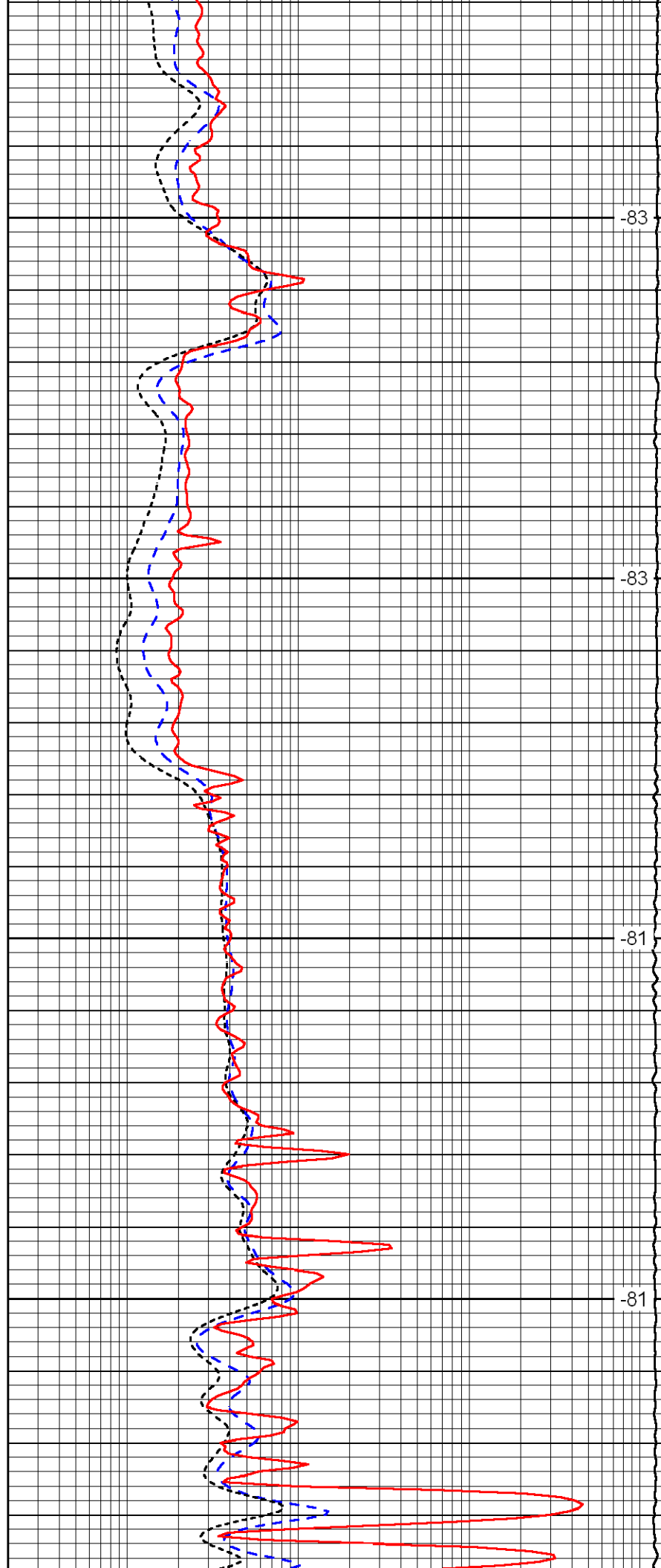


1900

1950

2000

2050

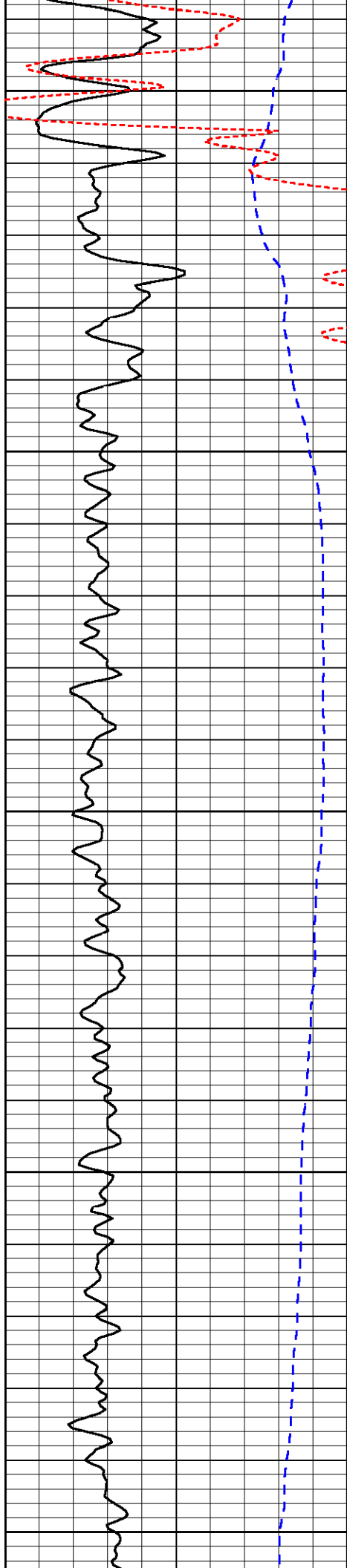


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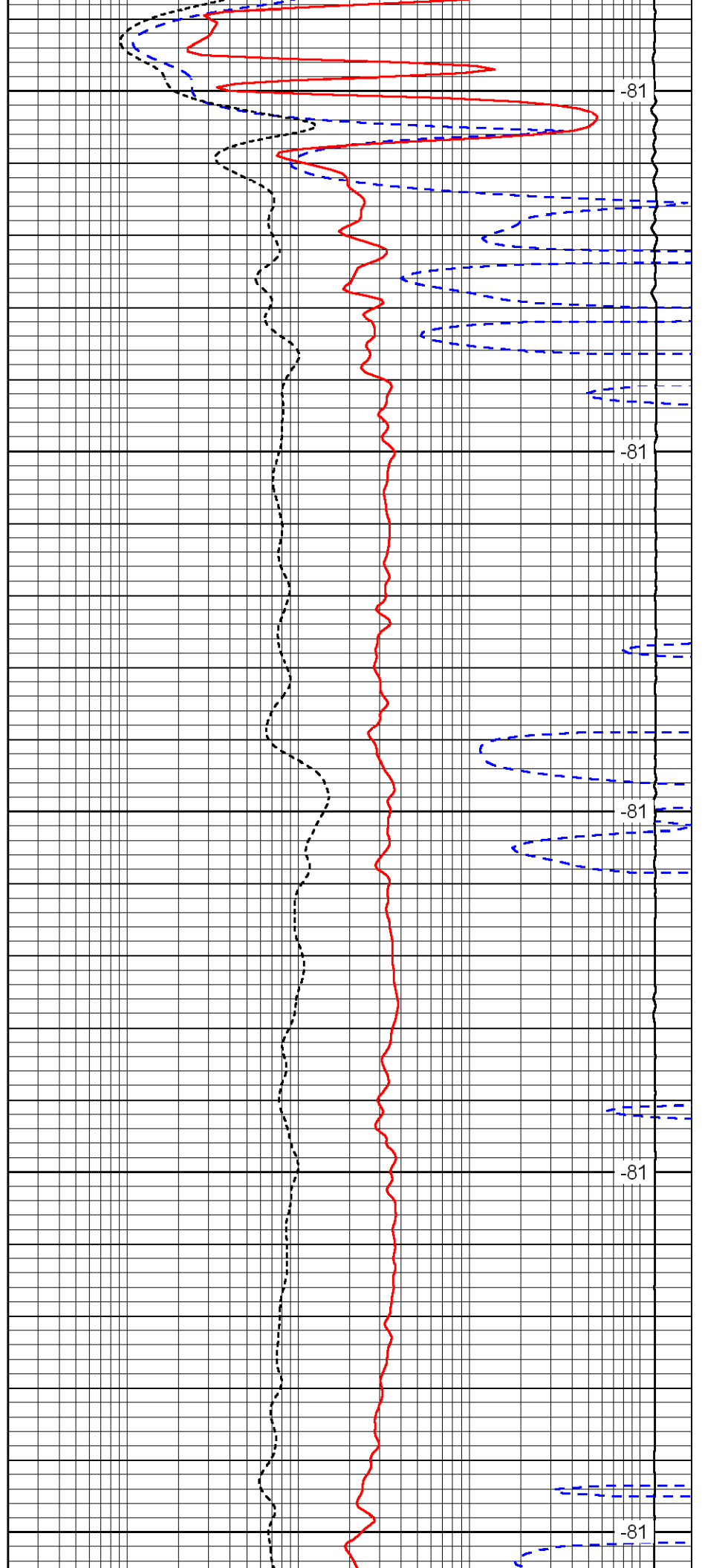
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2150

2200

2250

3000



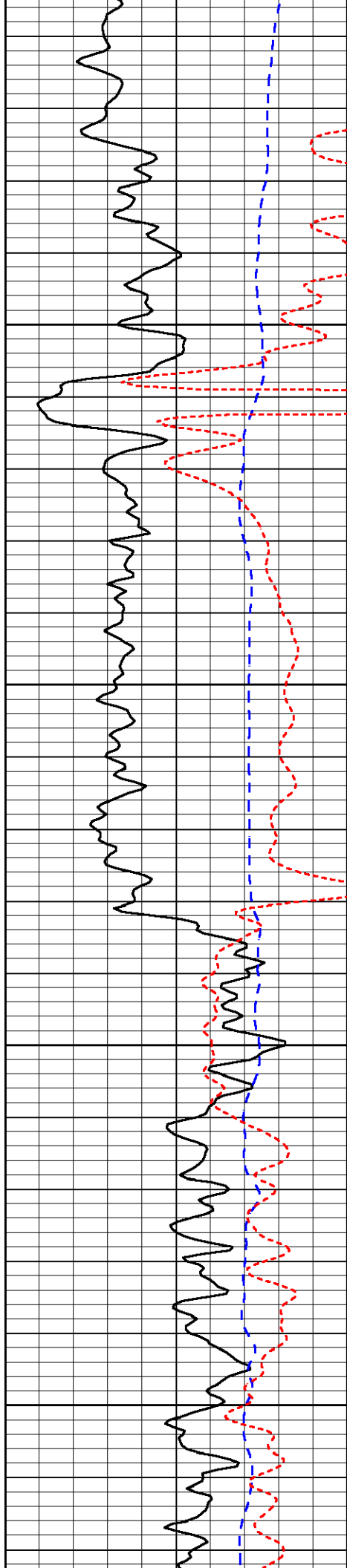
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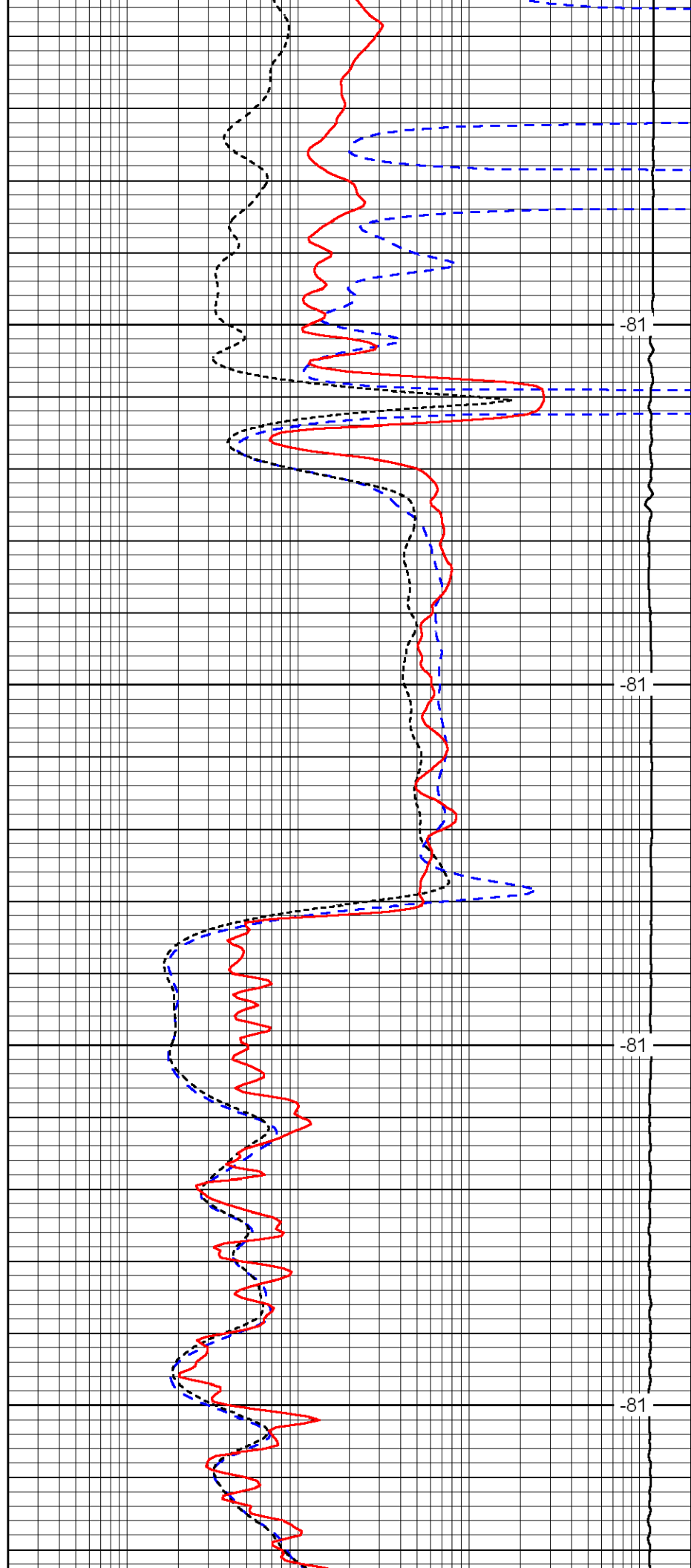


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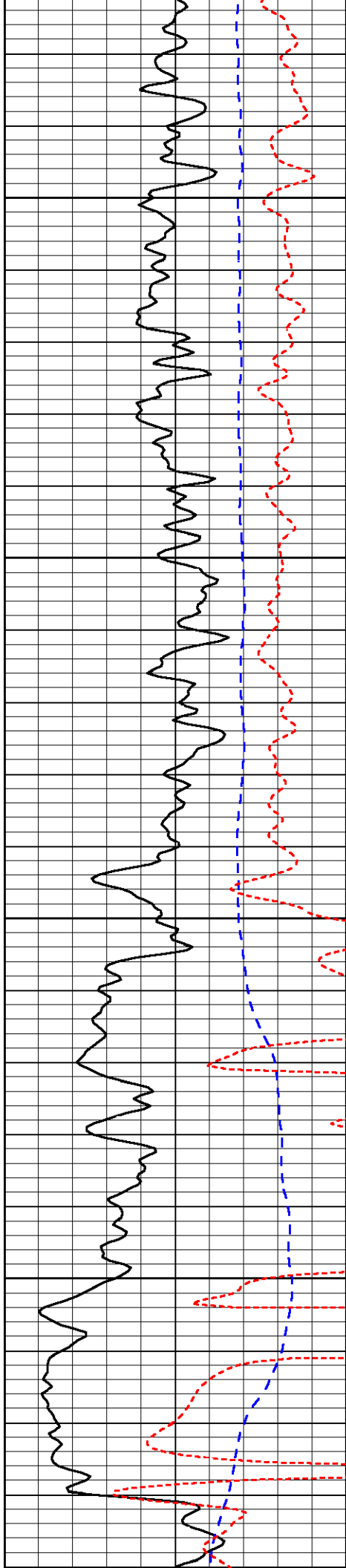


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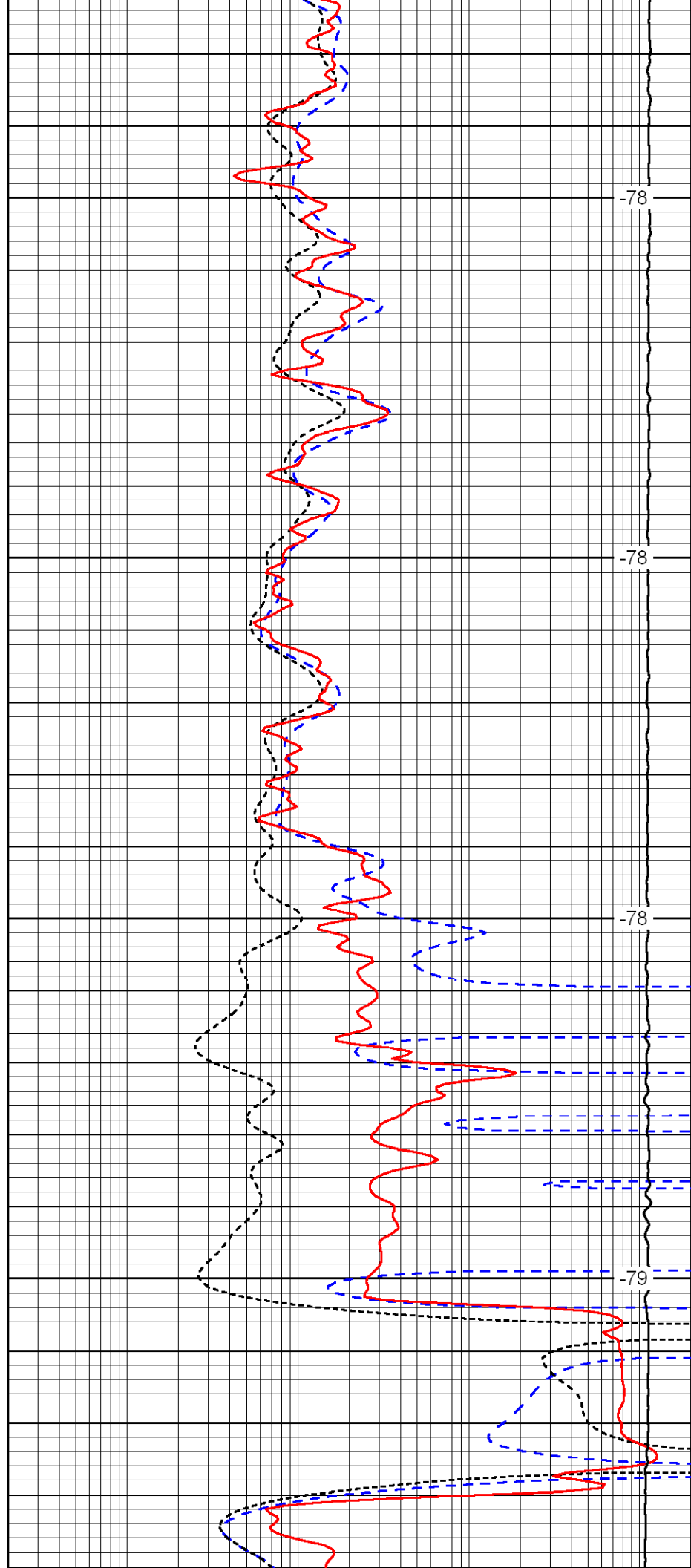


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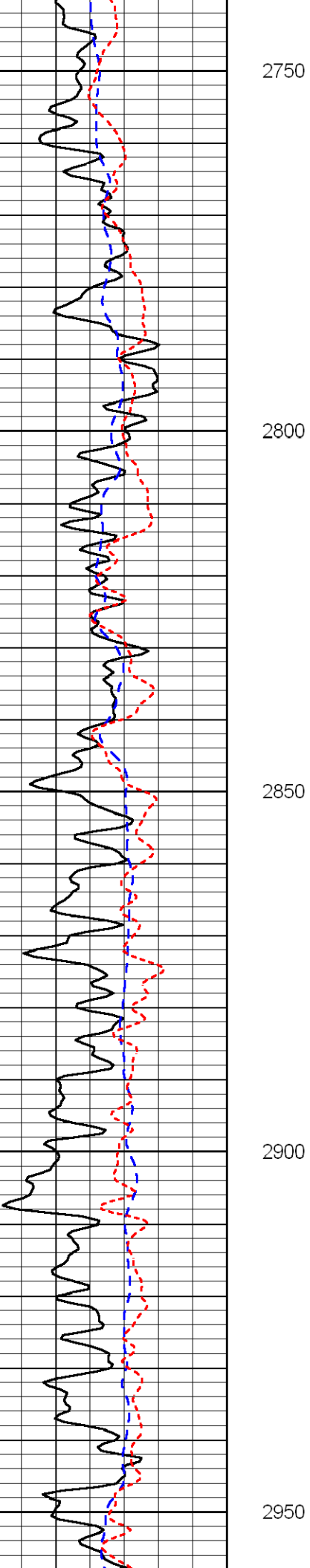


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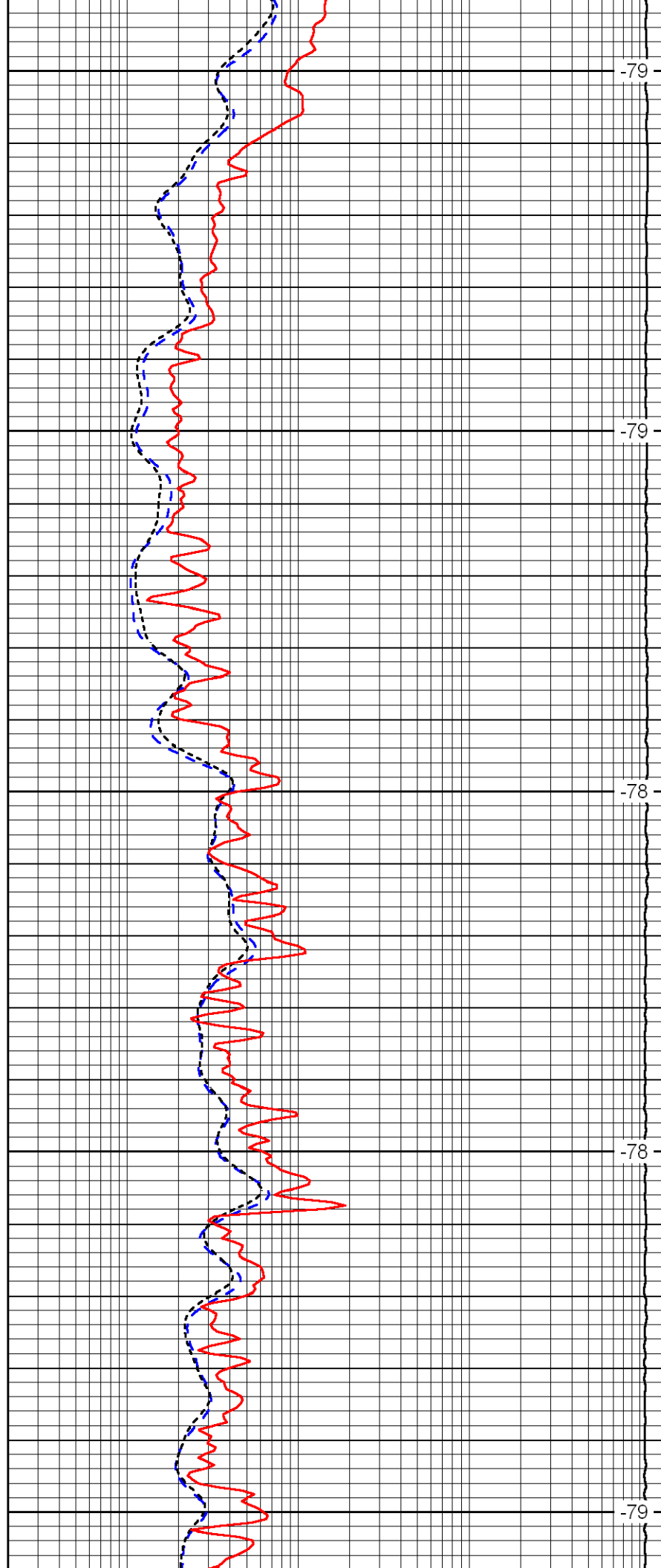
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2900

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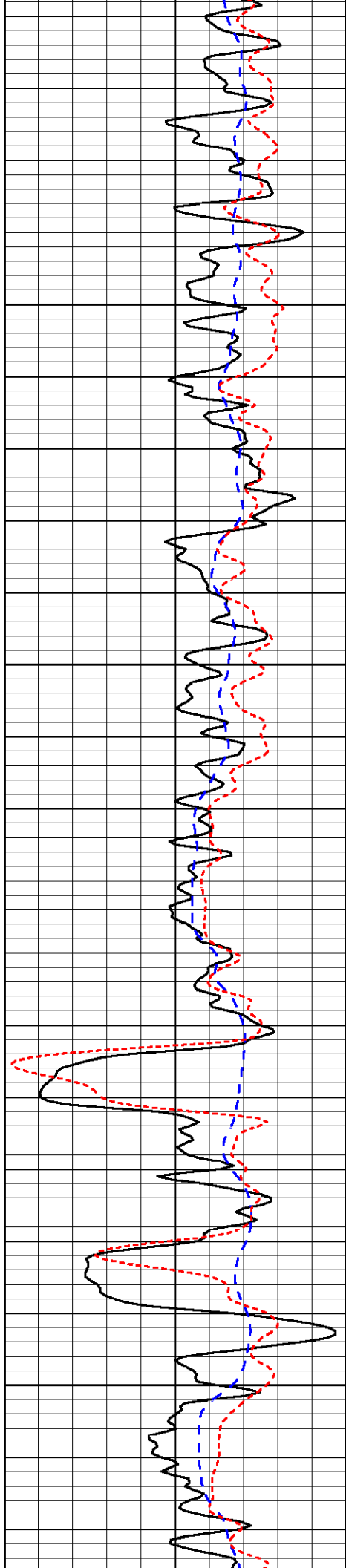
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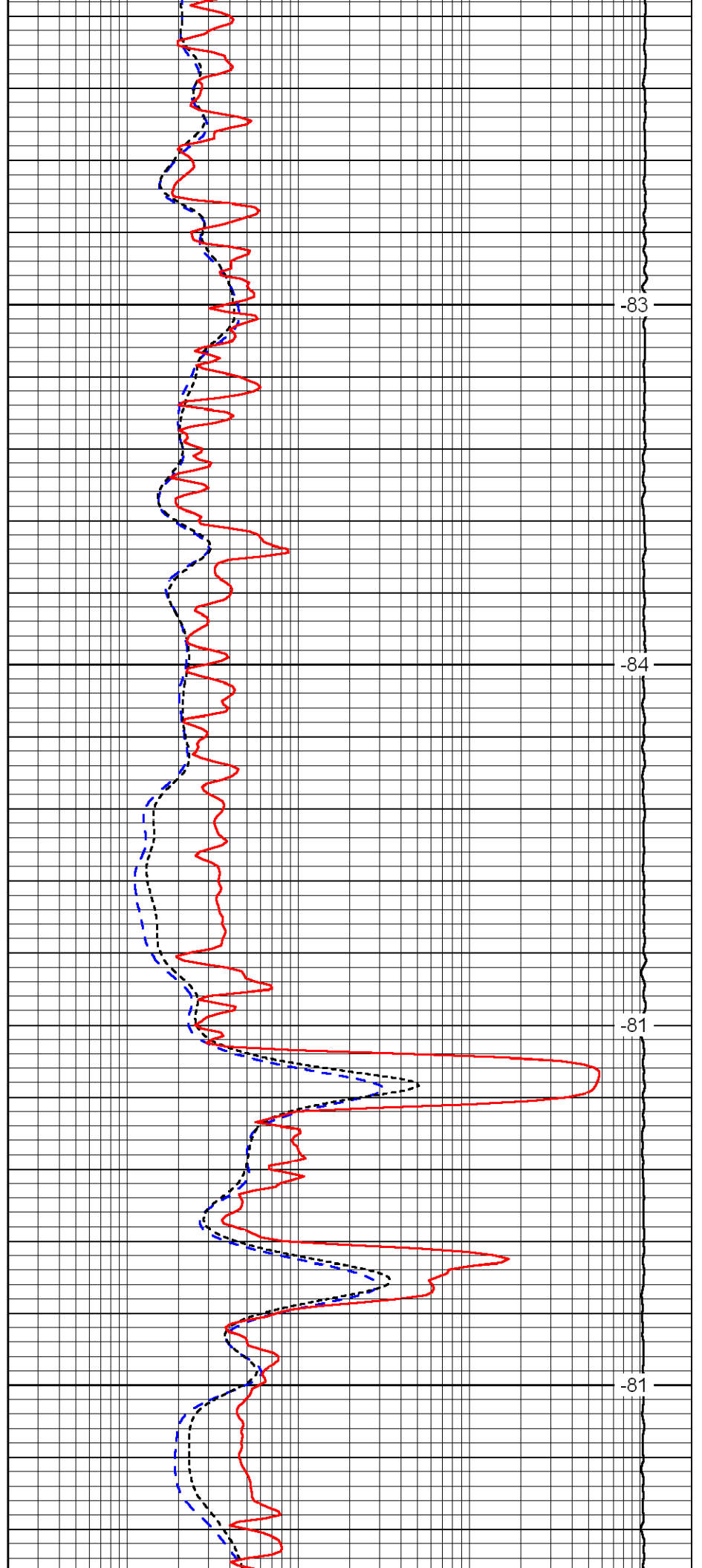


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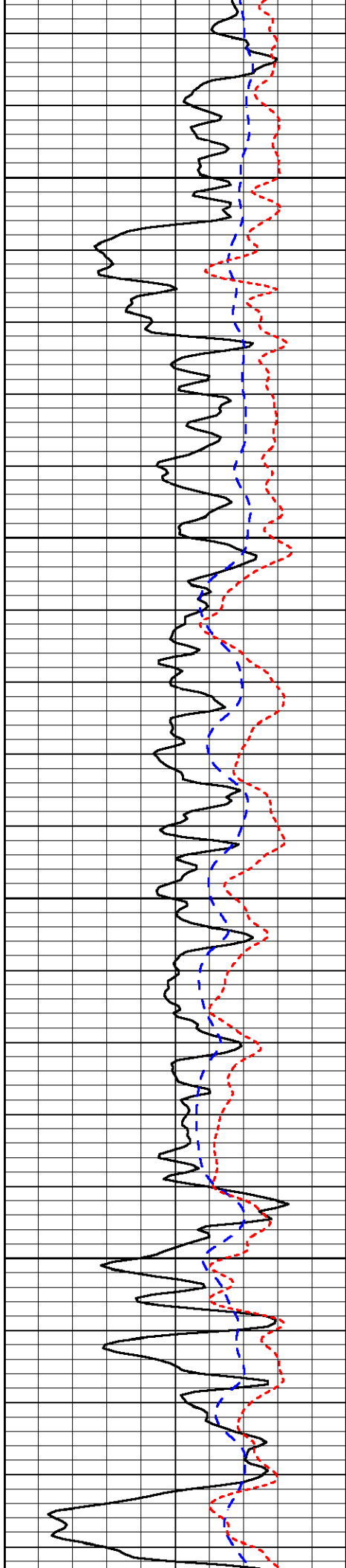


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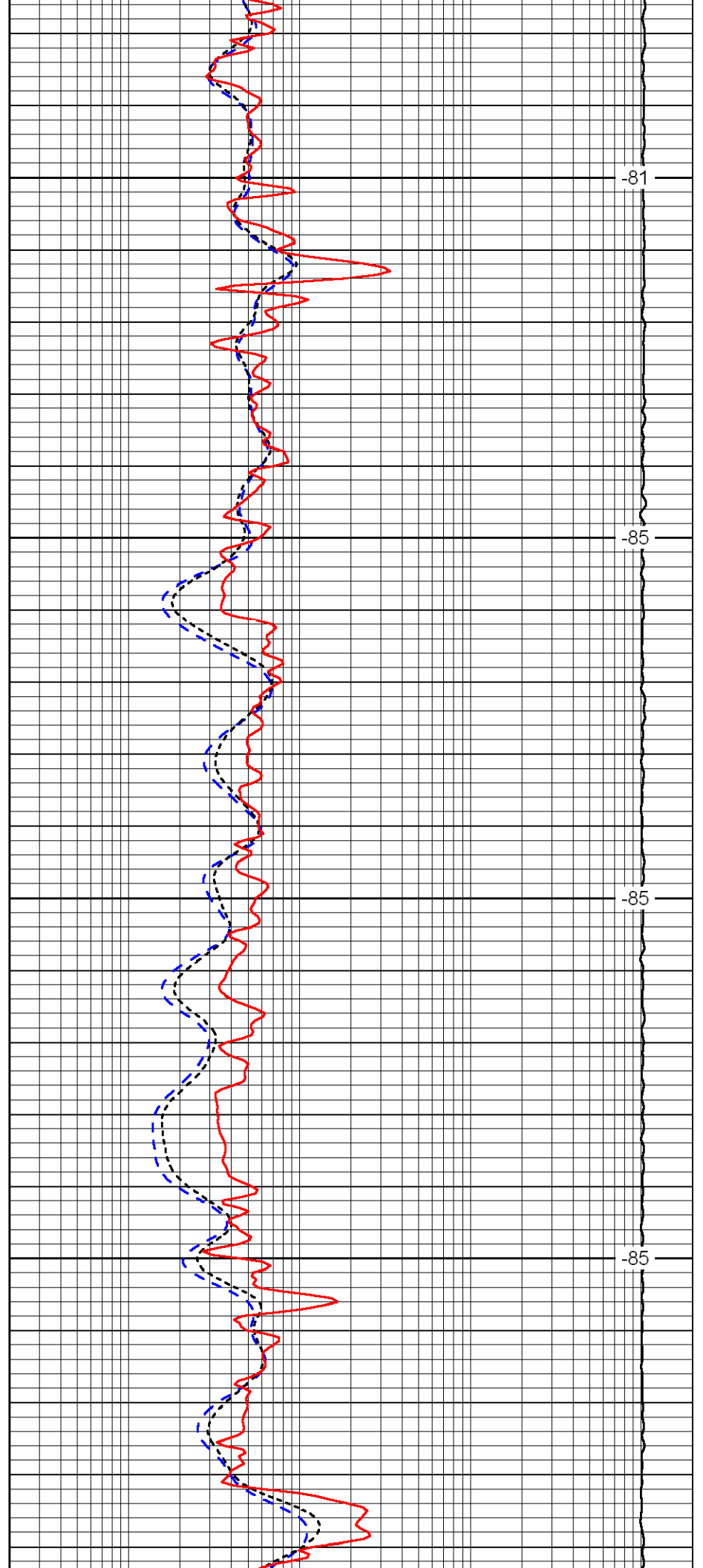


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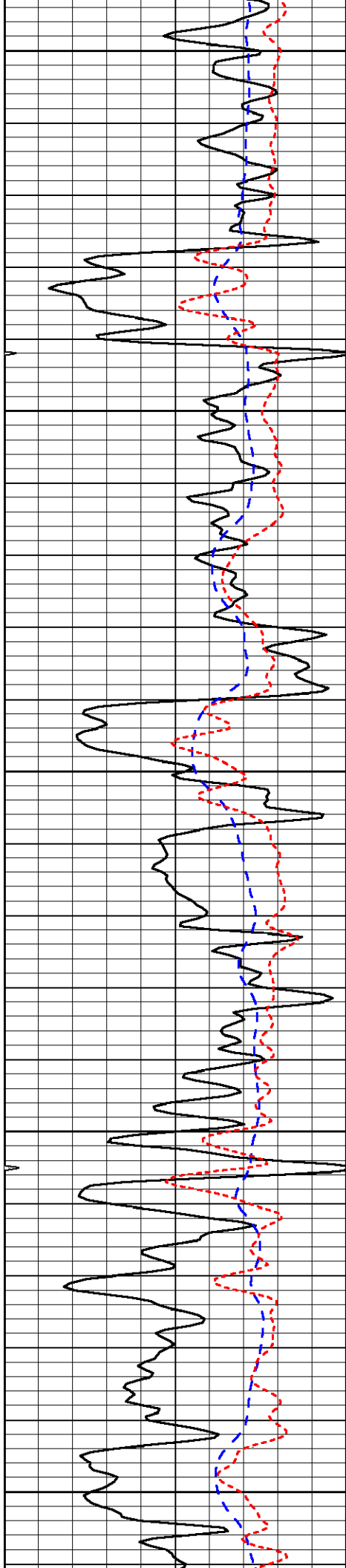


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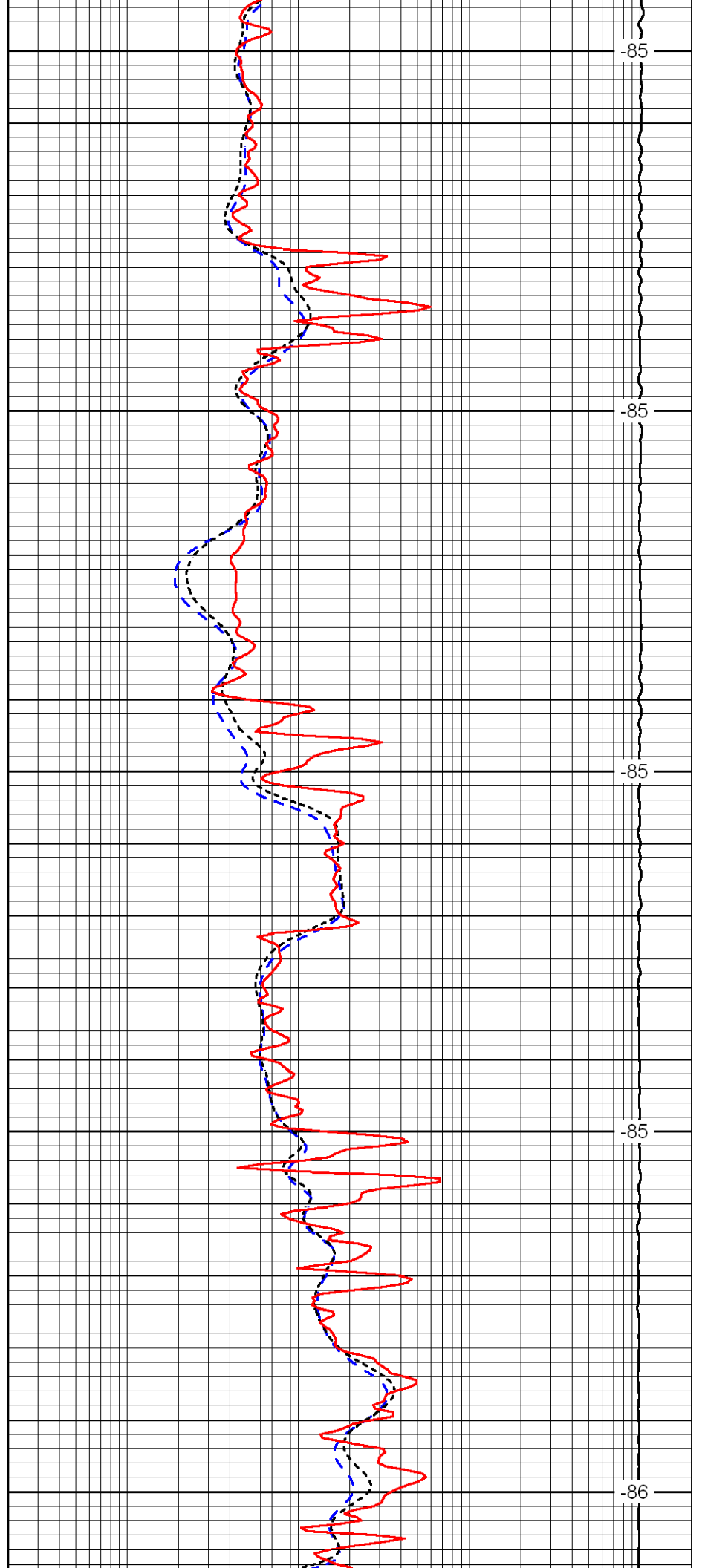
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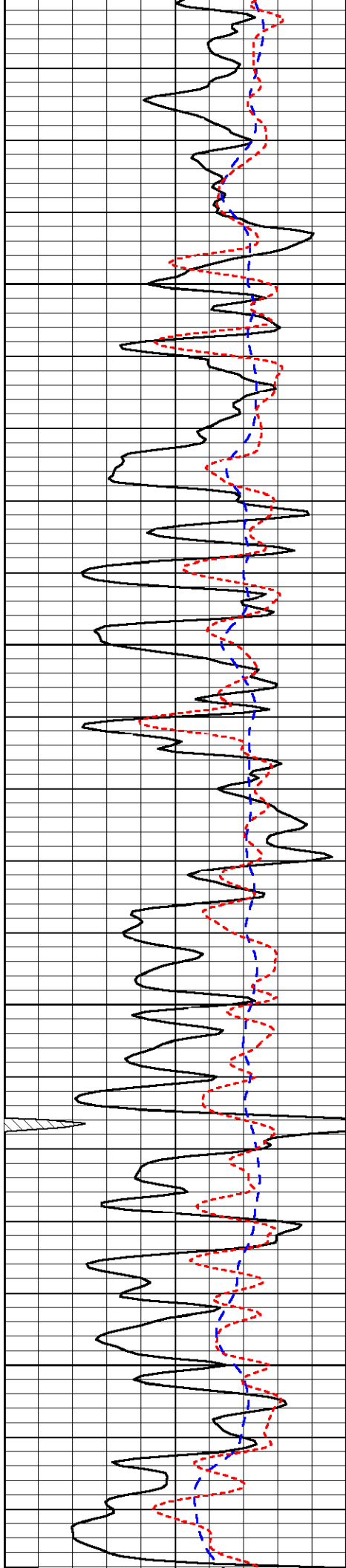
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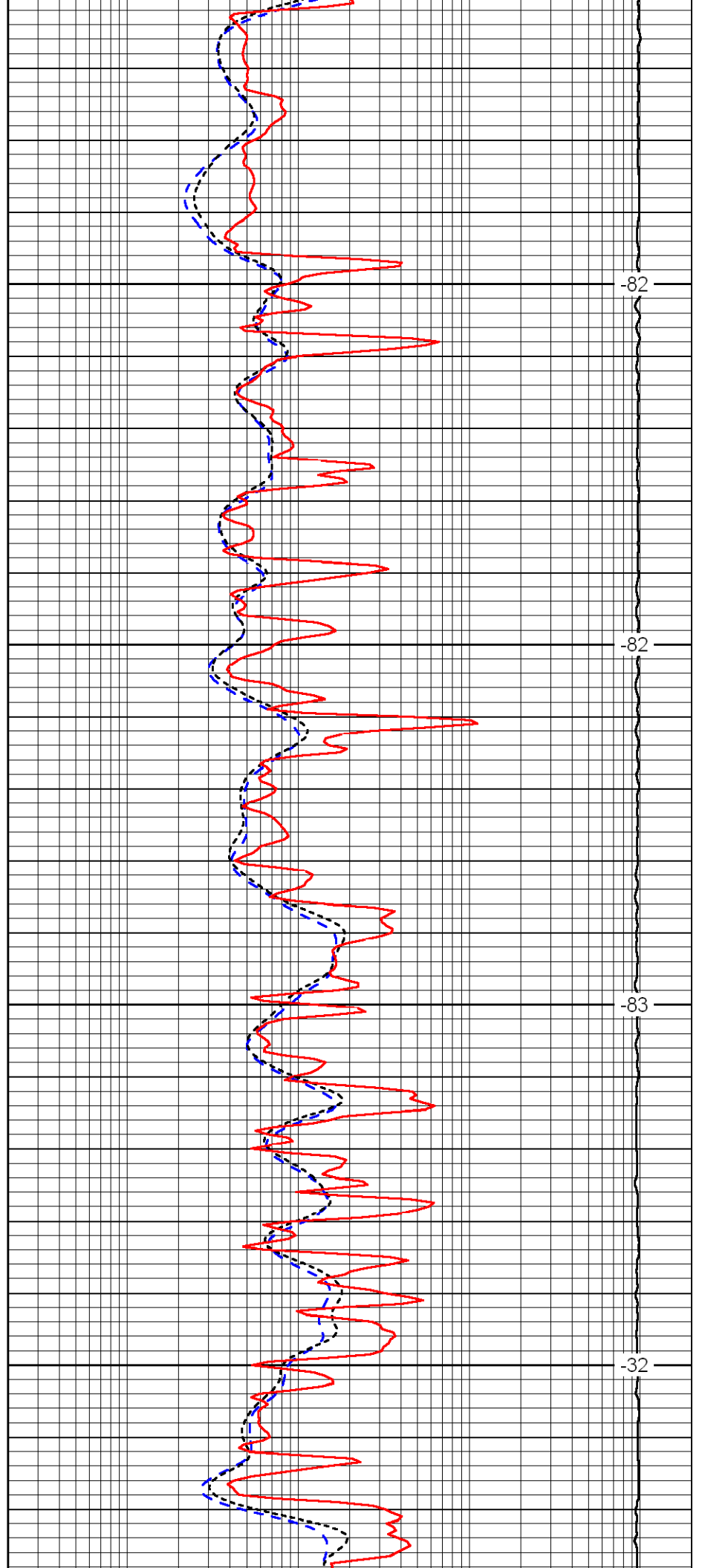


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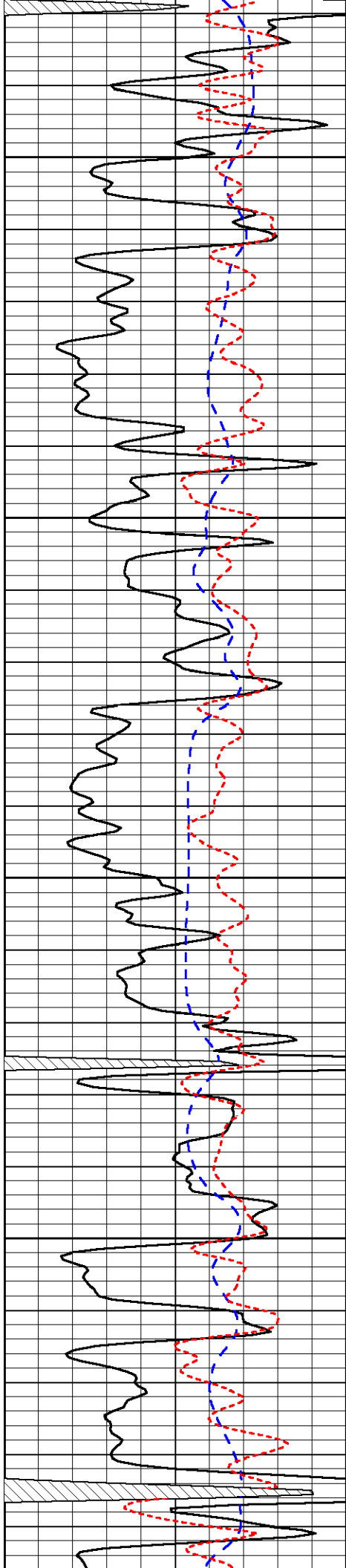


-82

-82

-83

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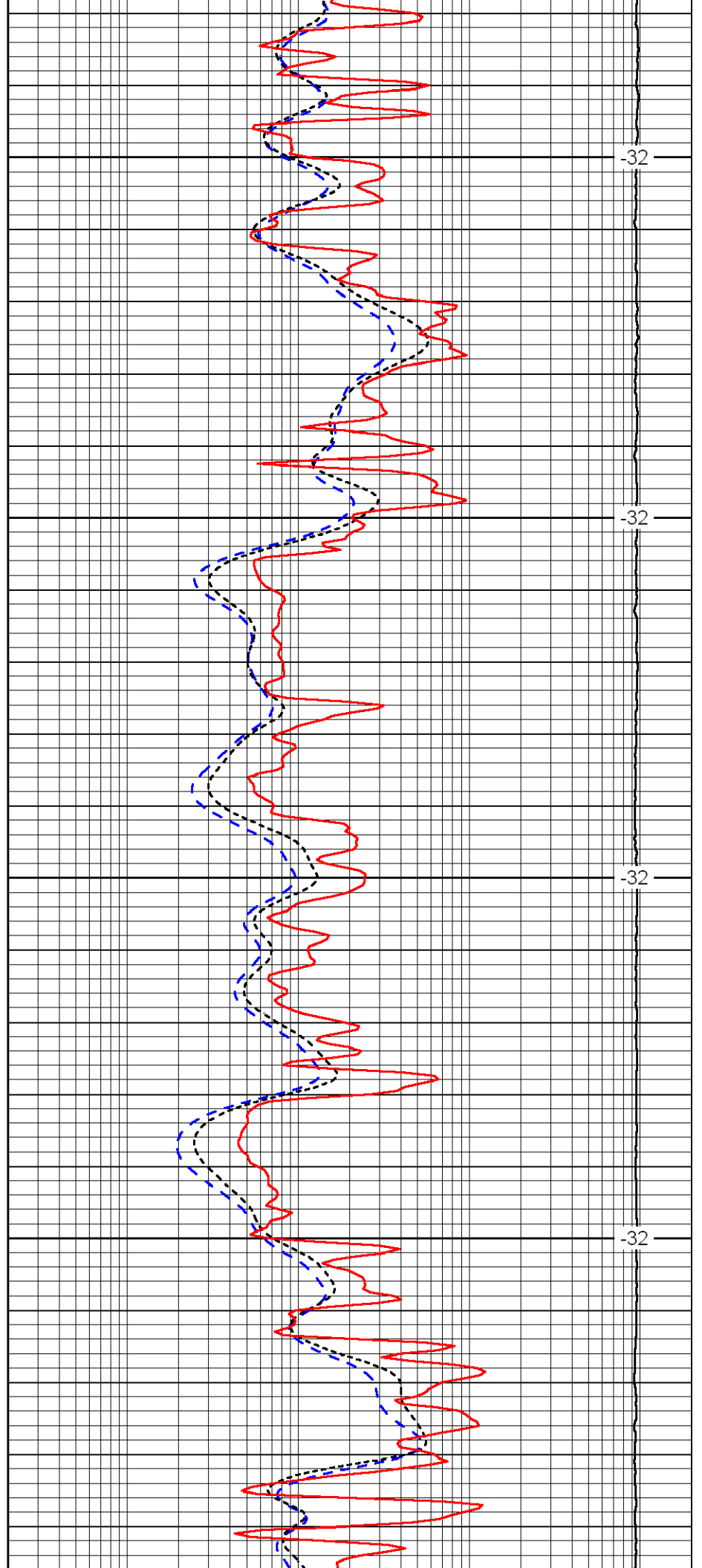


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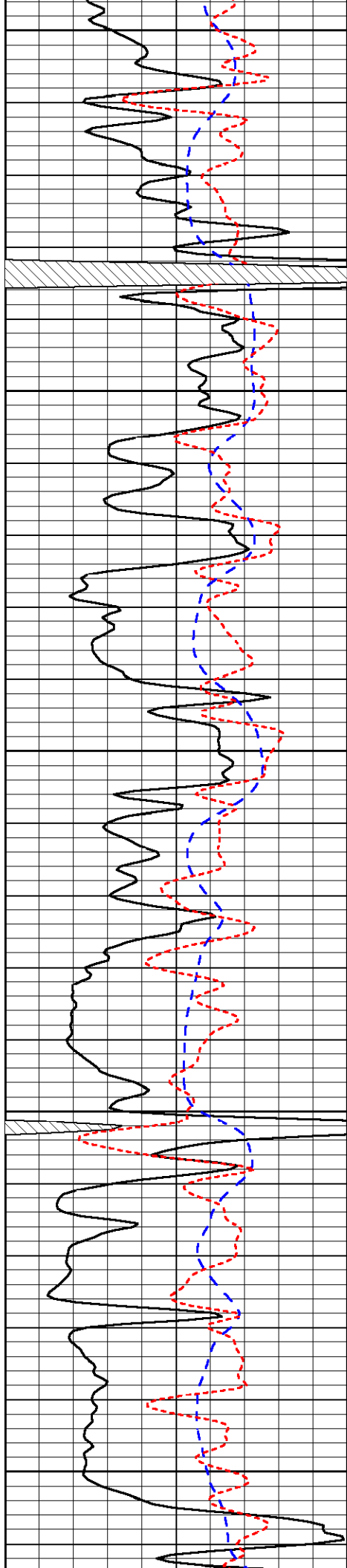


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-32

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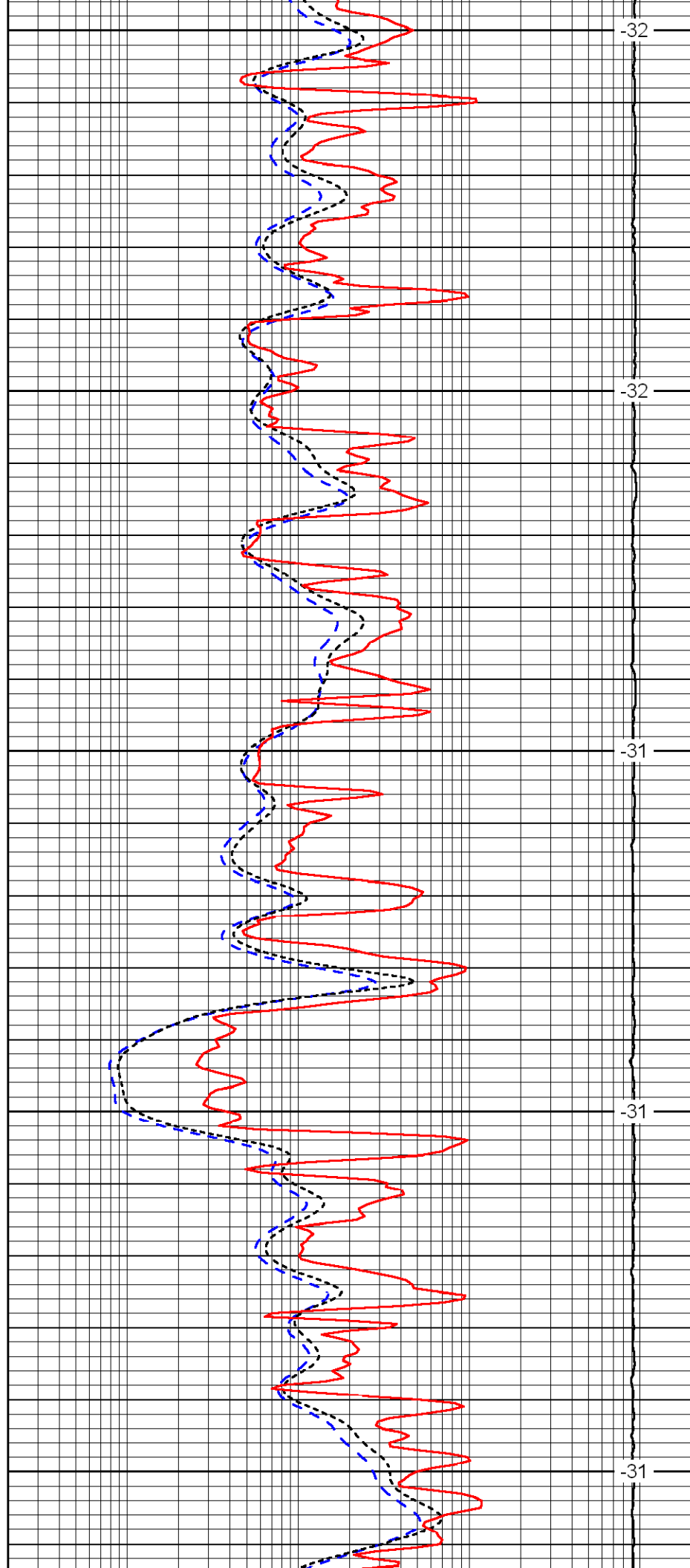
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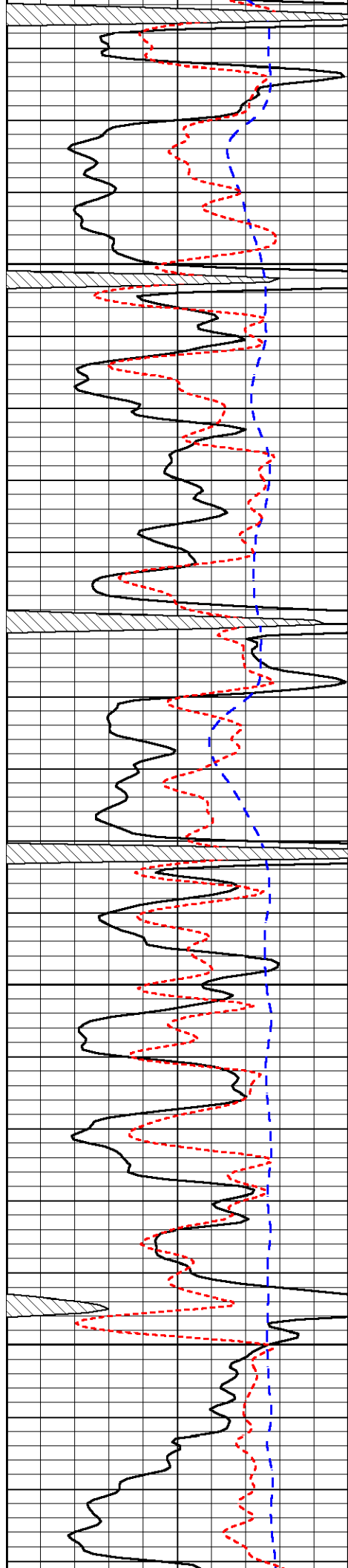
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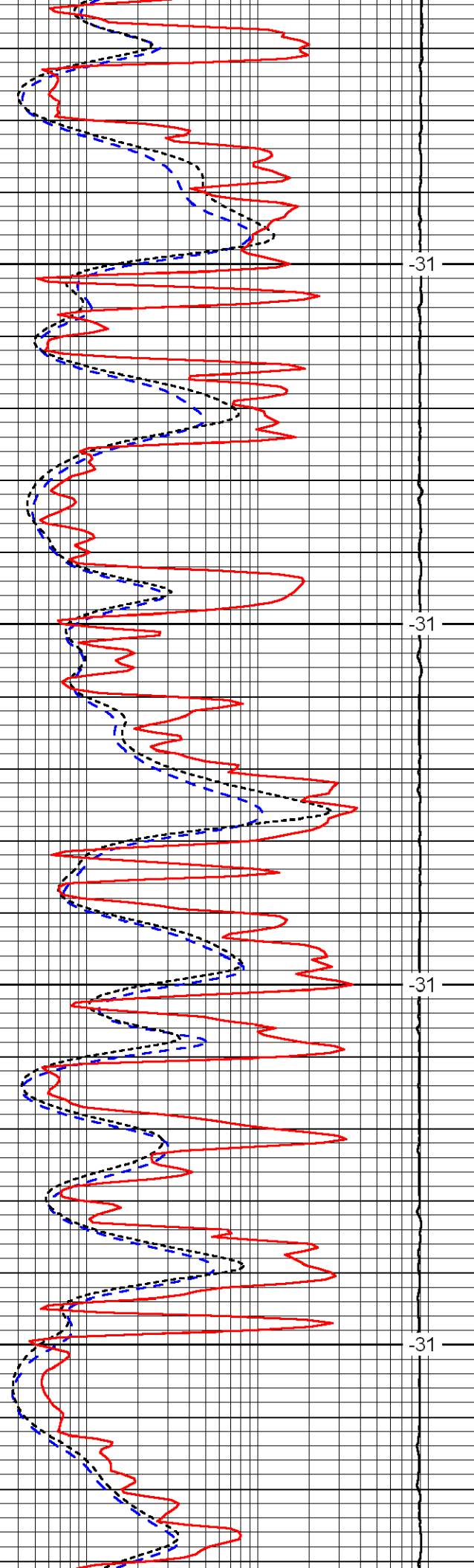


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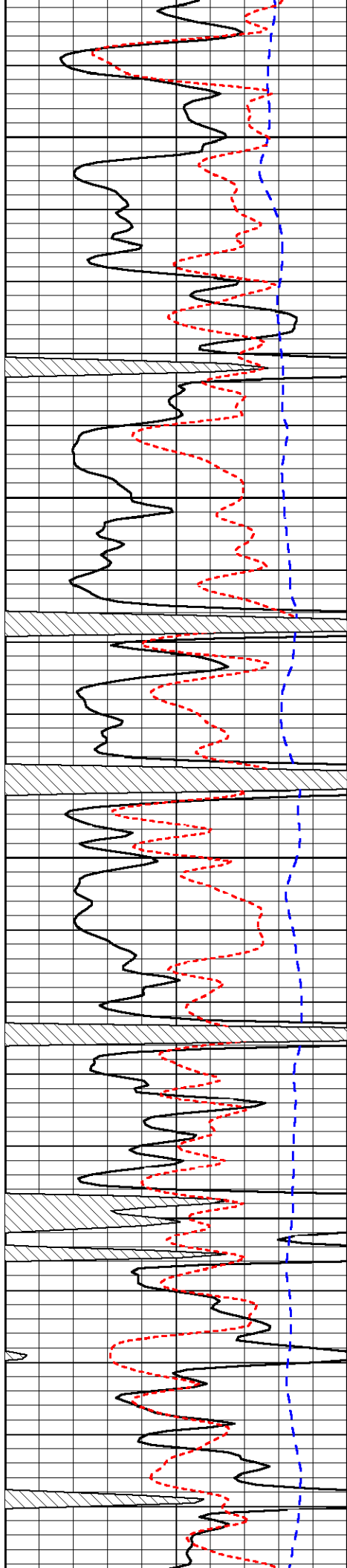


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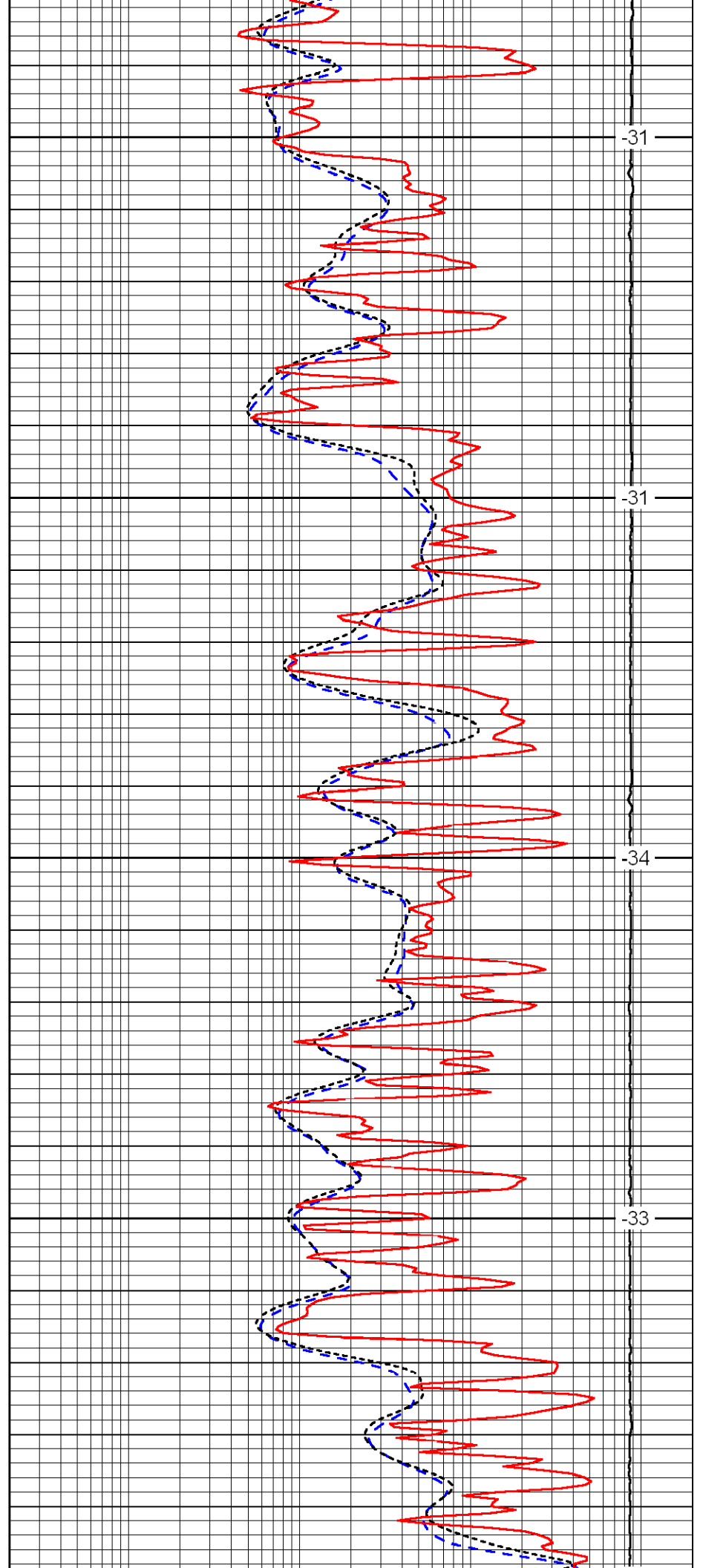


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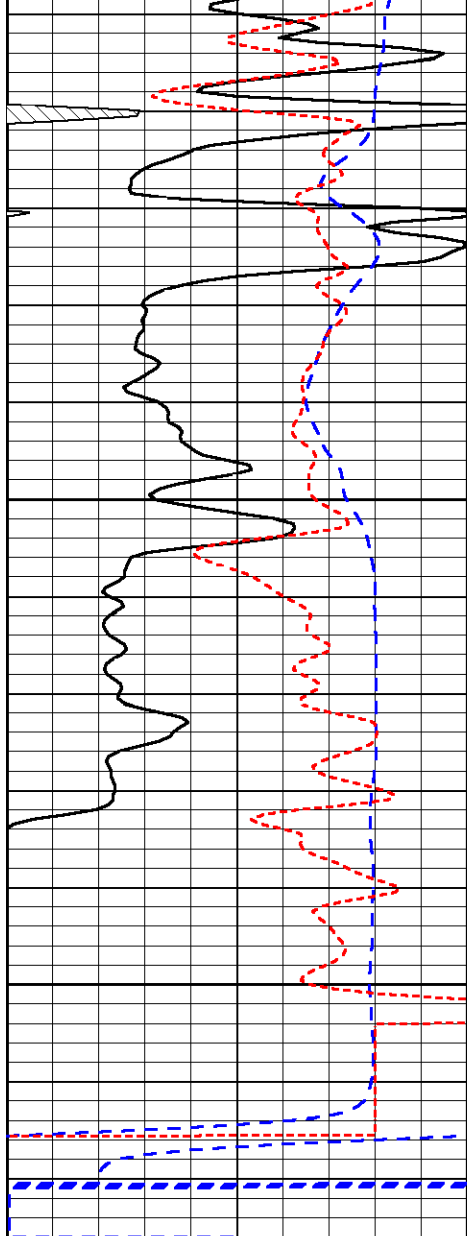


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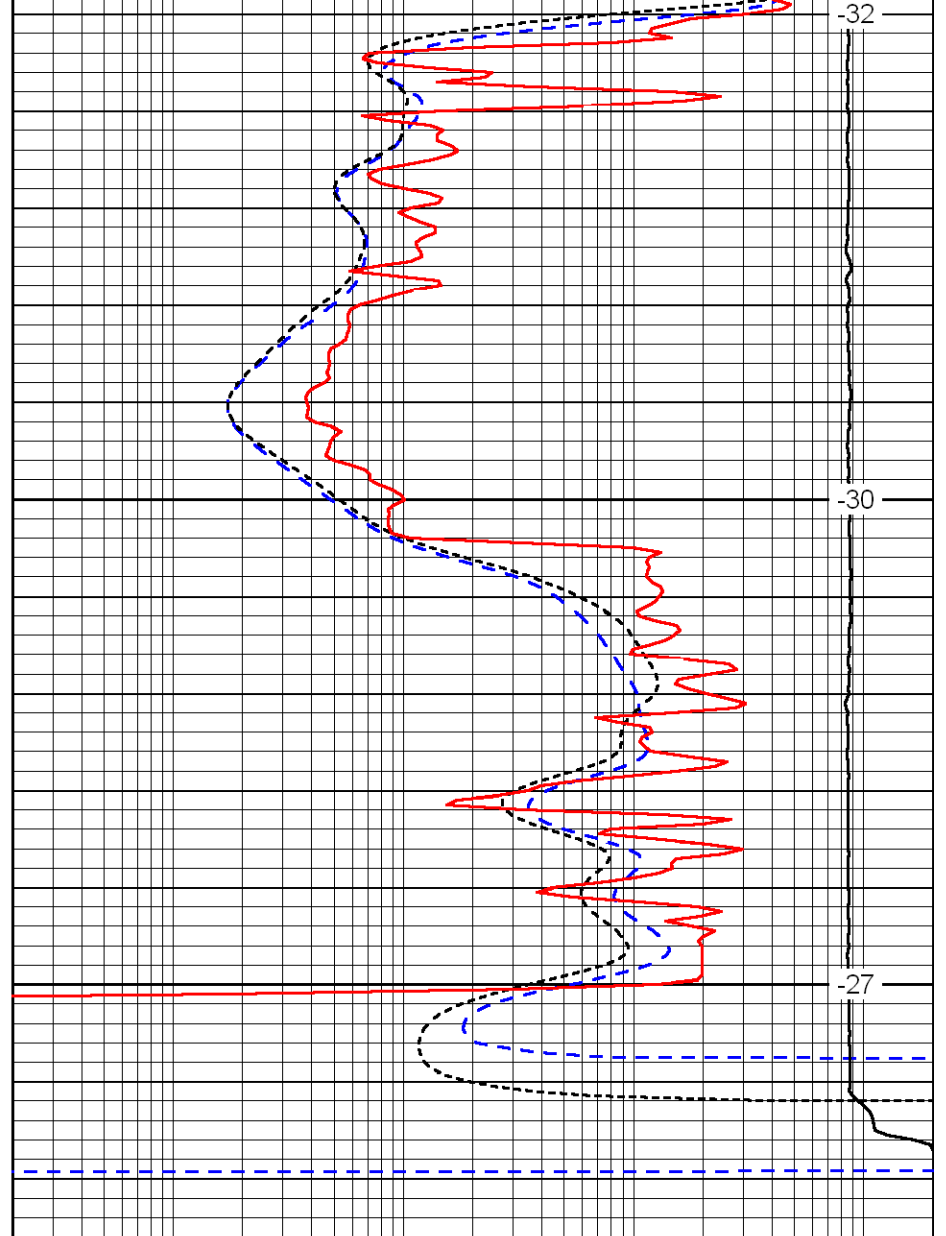
-34

-33



4700
4750
4800

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



-32
-30
-27

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

LSPD