



DIGITAL LOG (785) 625-3858

Dual Induction Log

API No.	15-083-21,722-00-00	
Company	Norstar Petroleum, Inc.	
Well	Phillips-Denny No. 1-4	
Field	Fossil Ridge	
County	Hodgeman	State Kansas
Location	SE NW NE 1046' FNL & 1777' FEL	
Sec: 4	Twp: 22 S	Rge: 23 W
Other Services	CNL/CDL MEL/BHCS	

Permanent Datum	Ground Level	Elevation 2302
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
Date	8/28/2011	

Run Number	One
Depth Driller	4700
Depth Logger	4701
Bottom Logged Interval	4700
Top Log Interval	00
Casing Driller	8.625 @ 257
Casing Logger	260
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	7.400
Density / Viscosity	9.1 56
pH / Fluid Loss	9.0 16
Source of Sample	Flowline
Rm @ Meas. Temp	.62 @ 80
Rmf @ Meas. Temp	.47 @ 80
Rmc @ Meas. Temp	.83 @ 80
Source of Rmf / Rmc	Charts
Rm @ BHT	.40 @ 125
Operating Rig Time	4 1/2 Hours
Max Rec. Temp. F	125
Equipment Number	91
Location	Hays
Recorded By	K Bange
Witnessed By	Brad Rine

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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
 Ness City South to S Rd.
 East 2 1/2
 South into

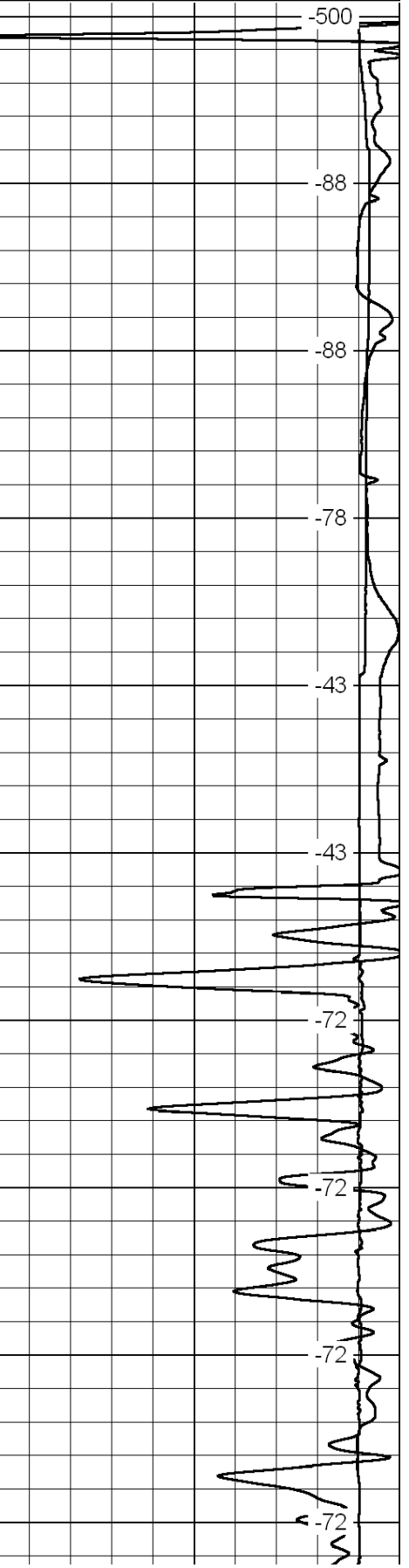
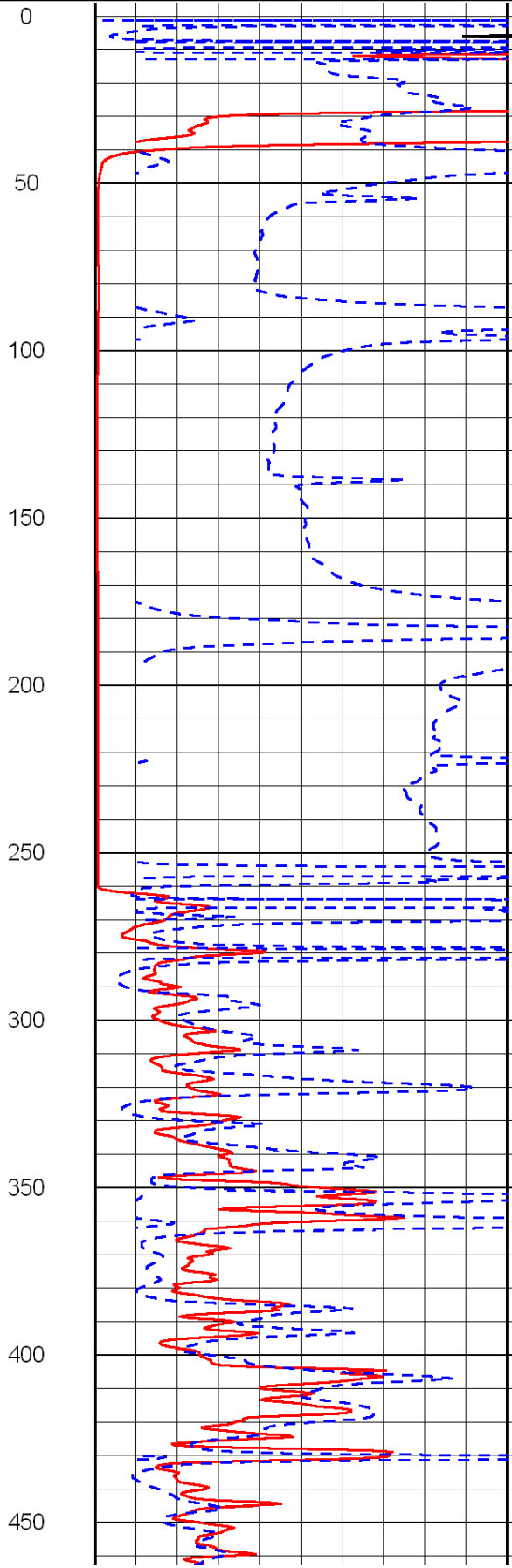
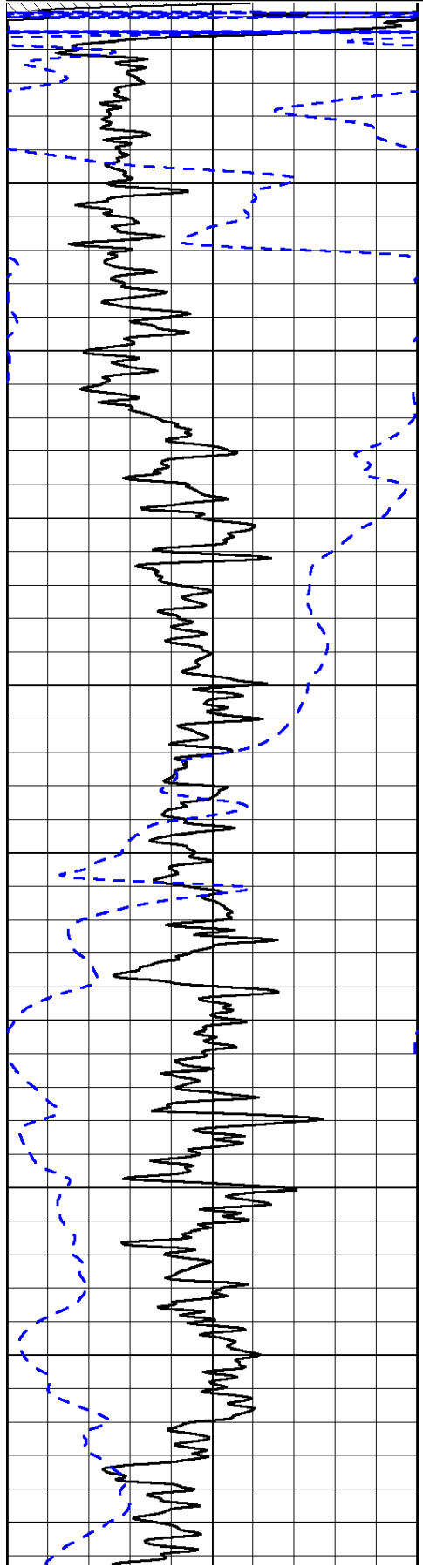
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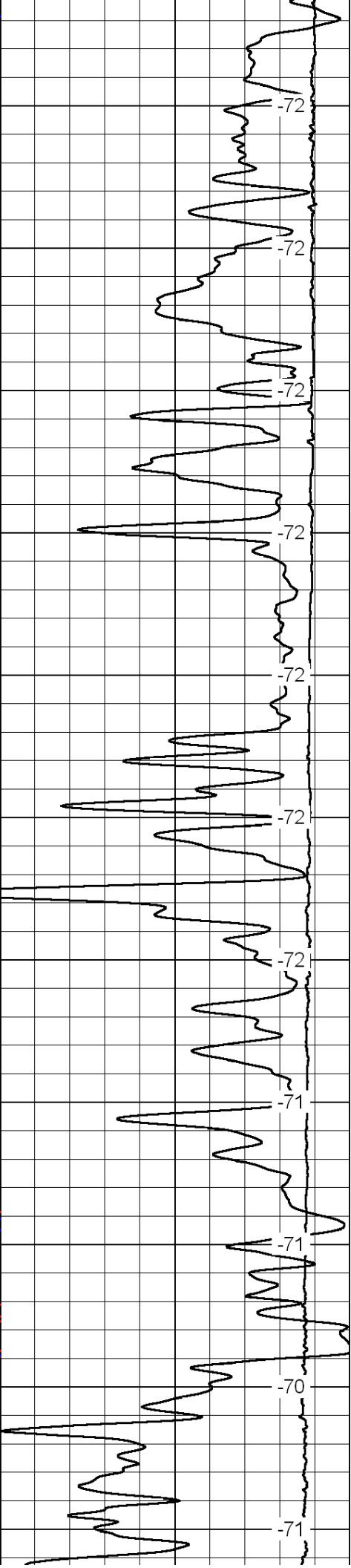
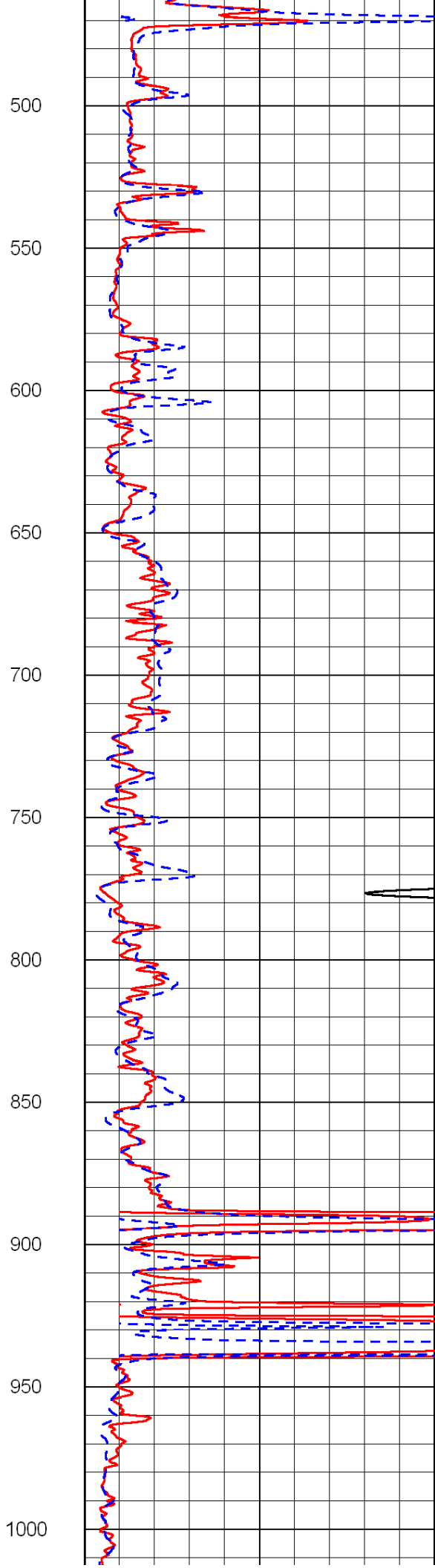
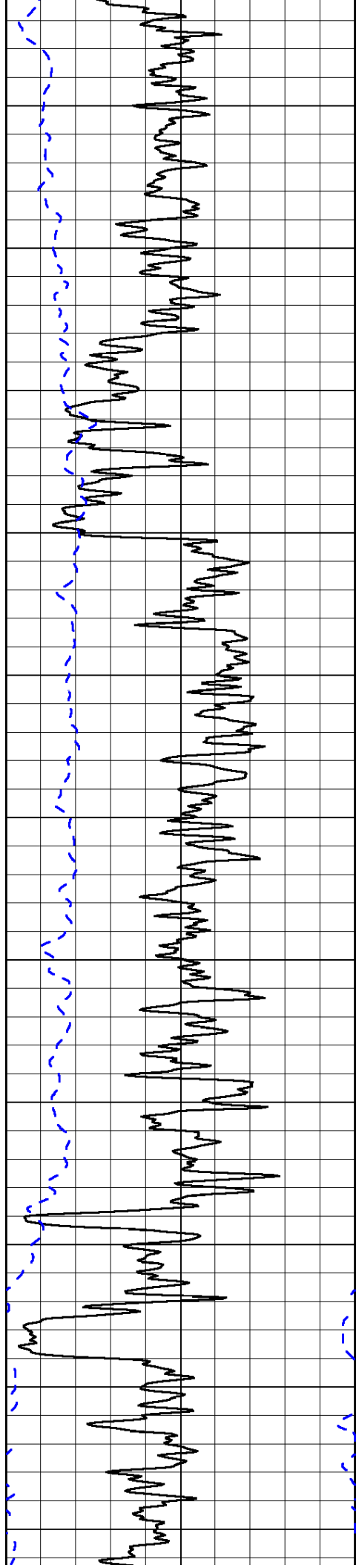
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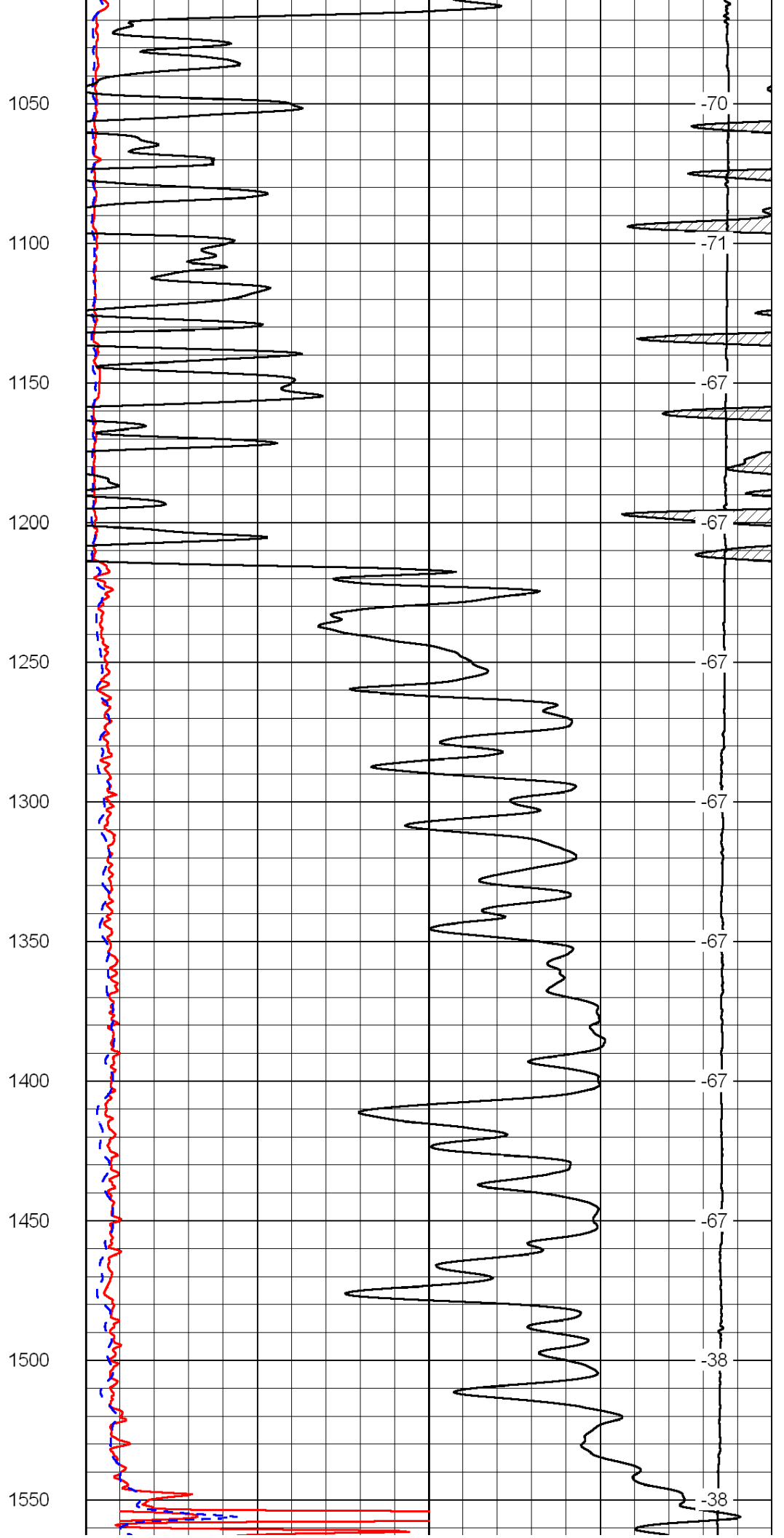
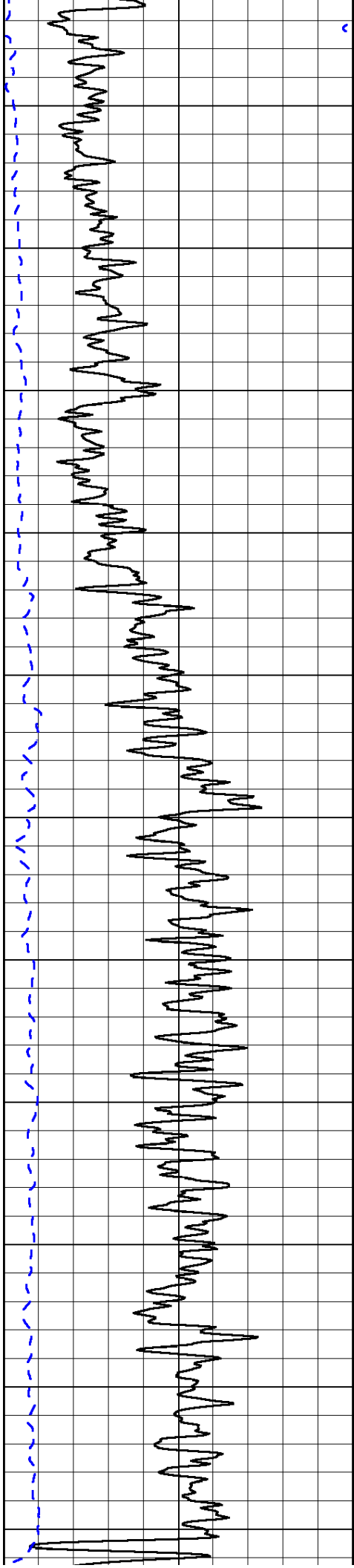
LSPD

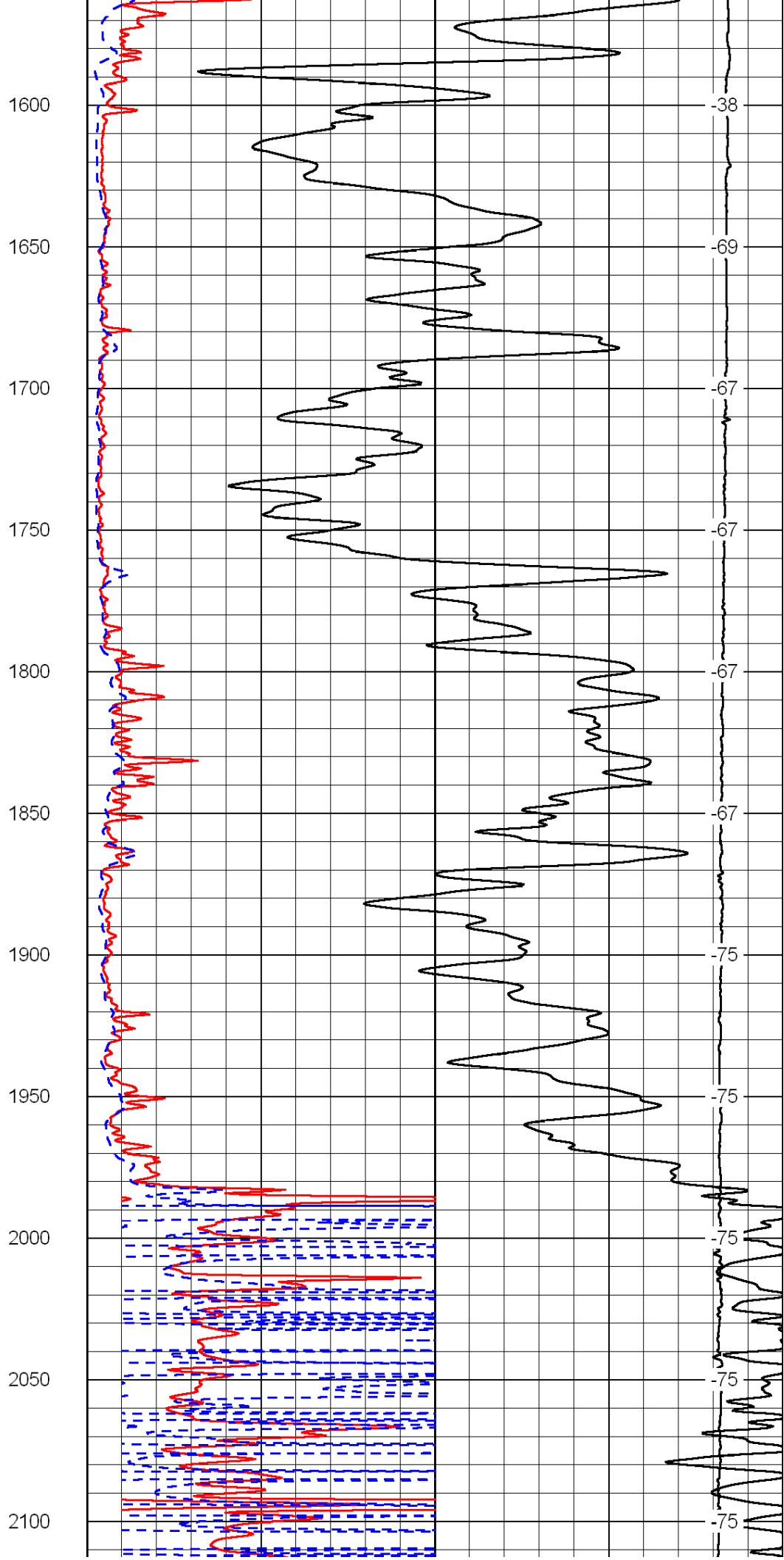
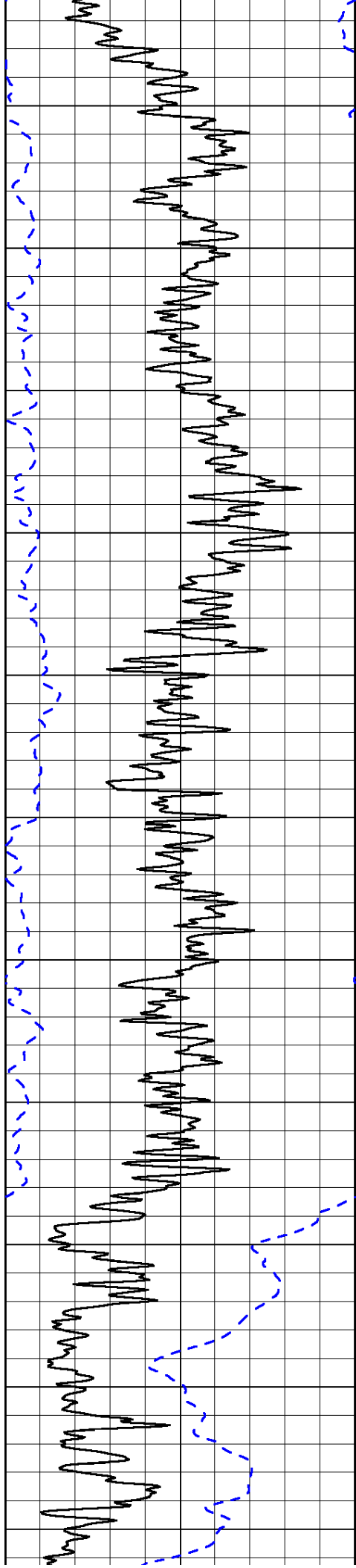
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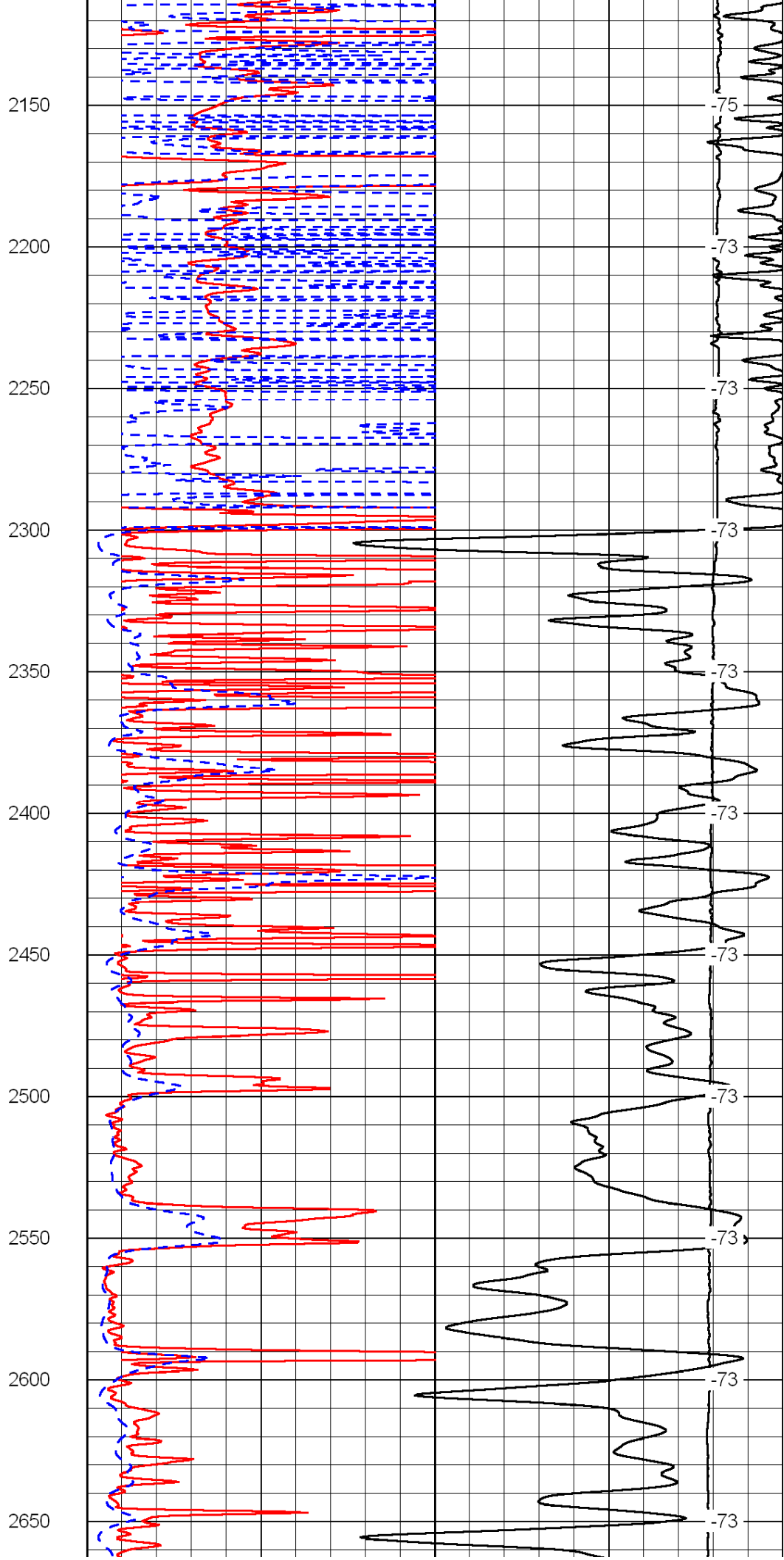
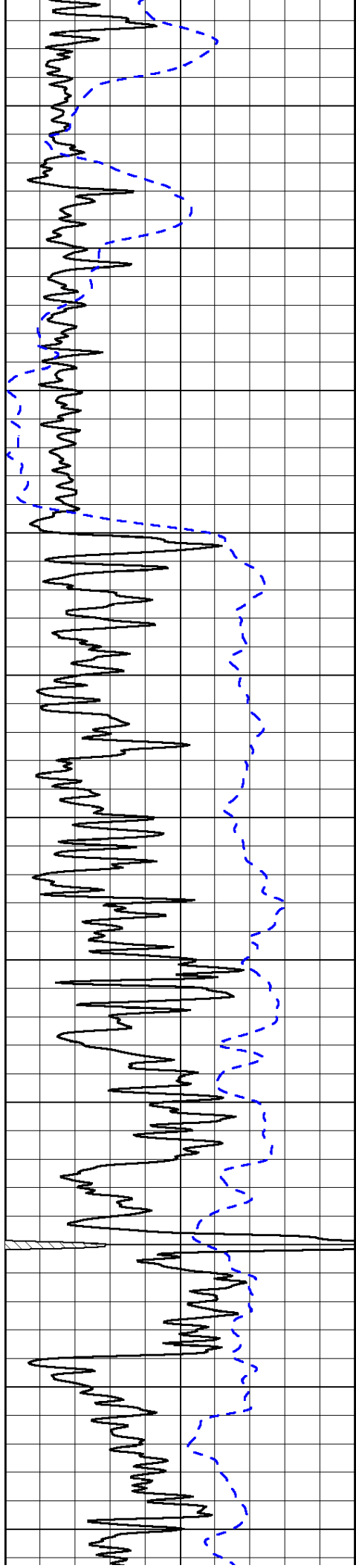
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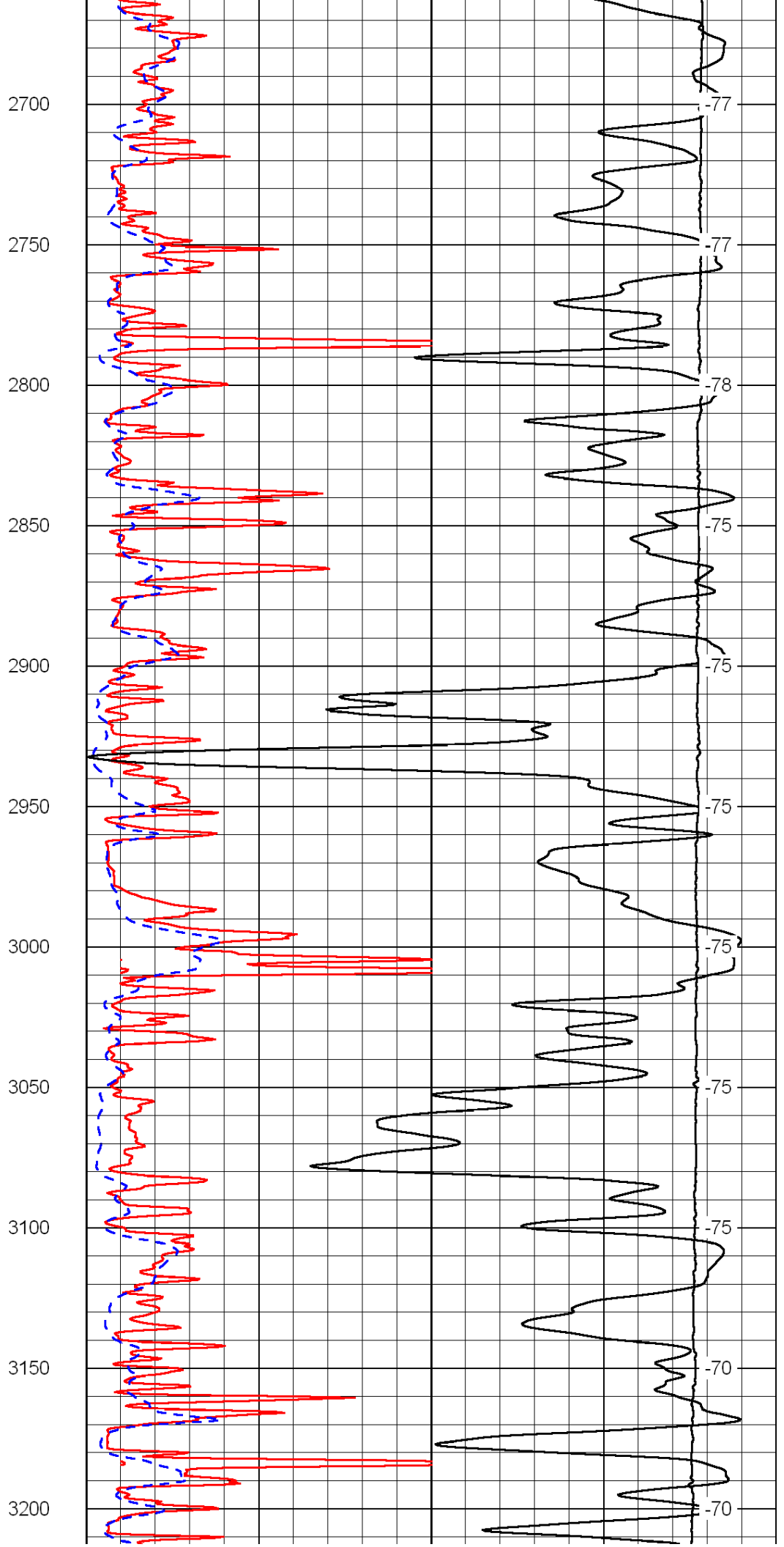
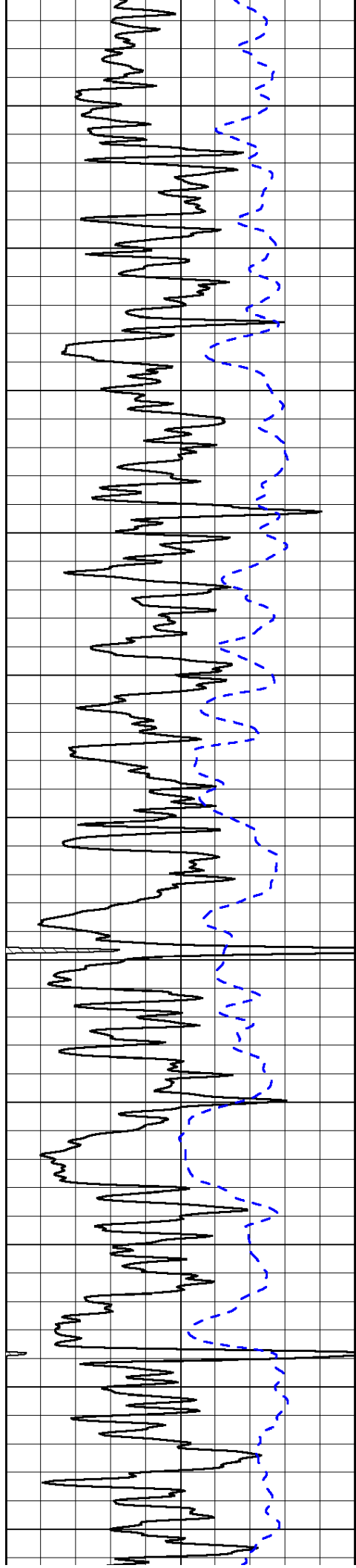


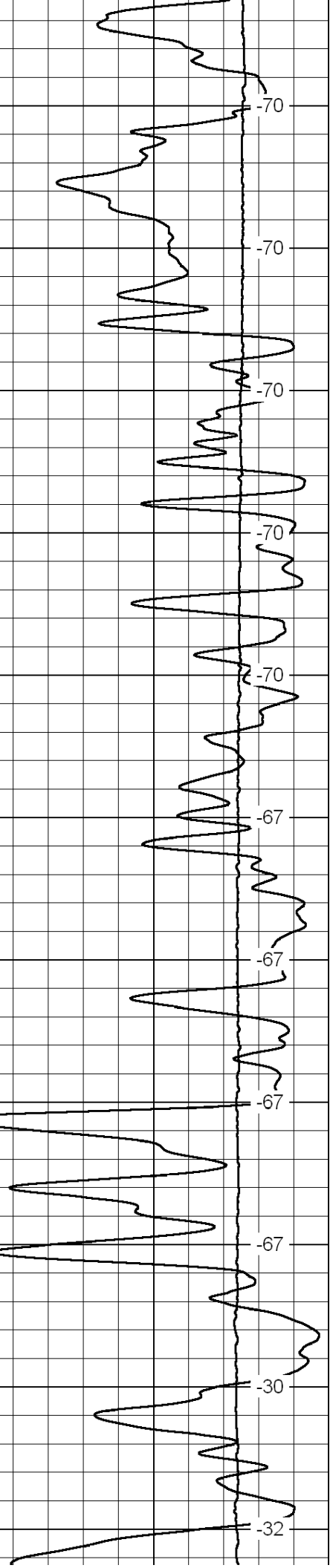
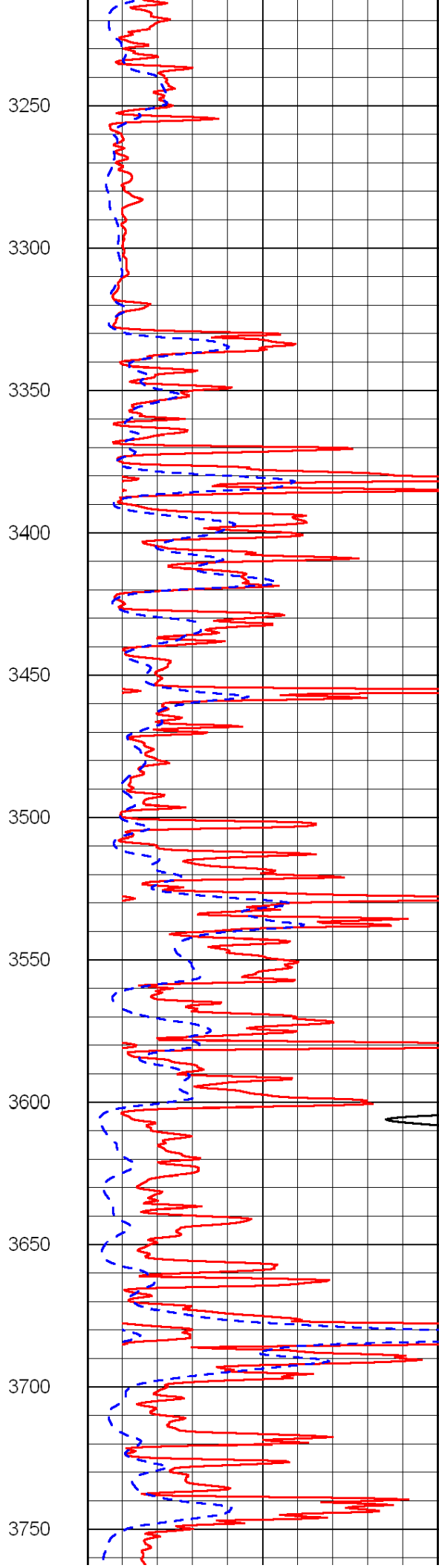
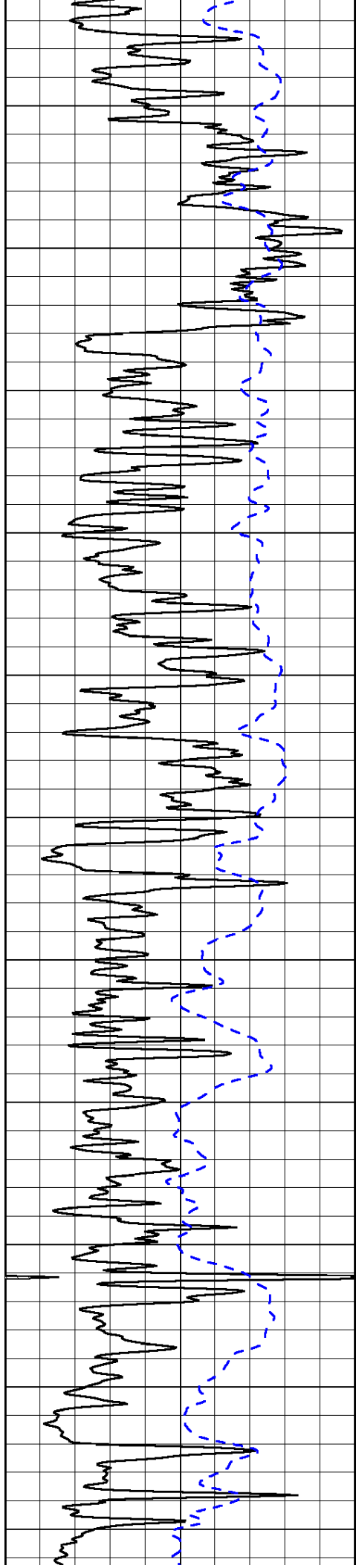


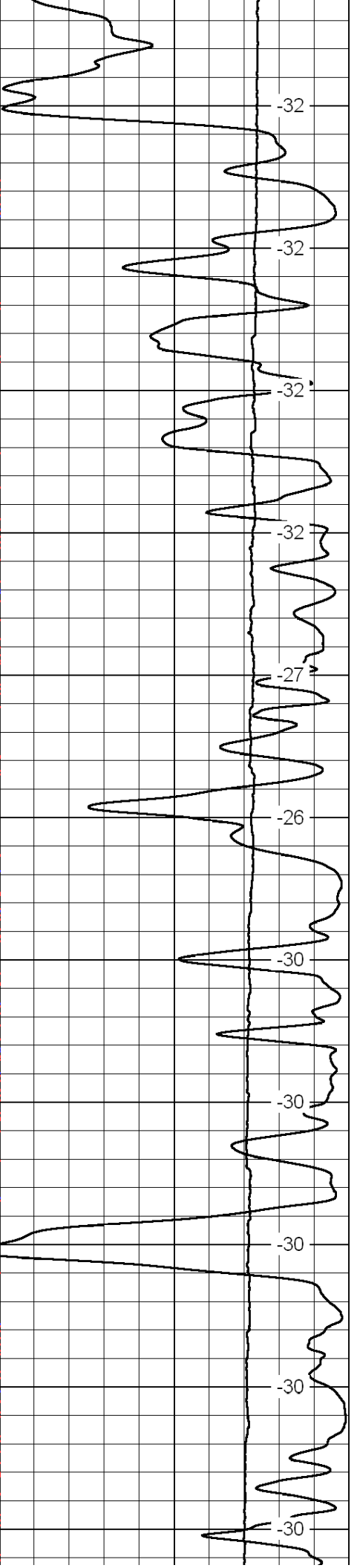
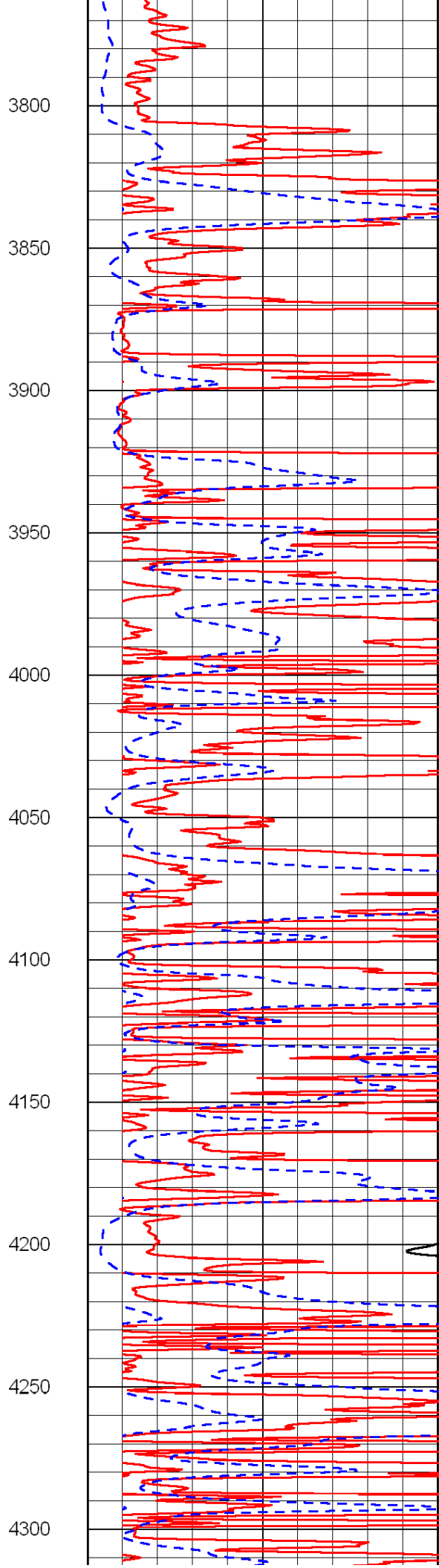
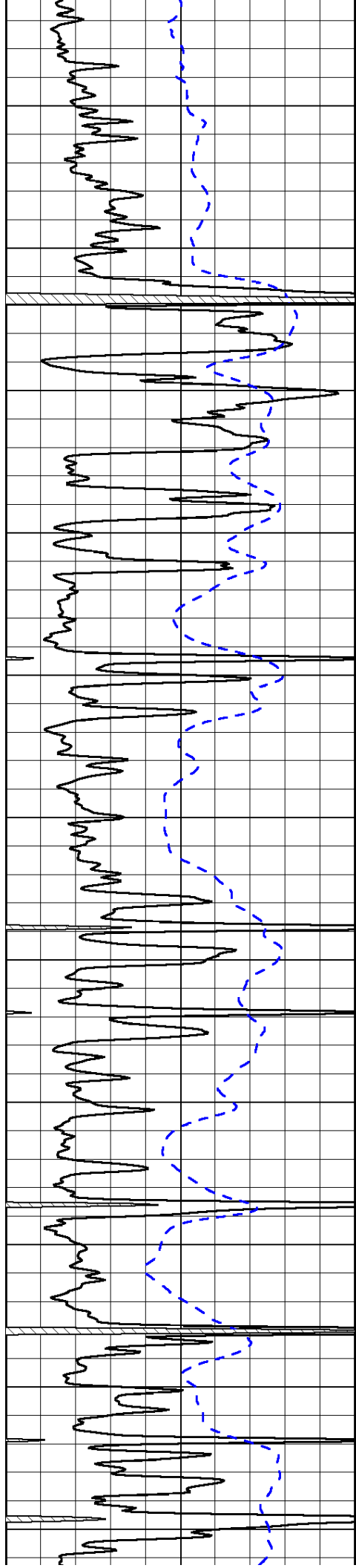


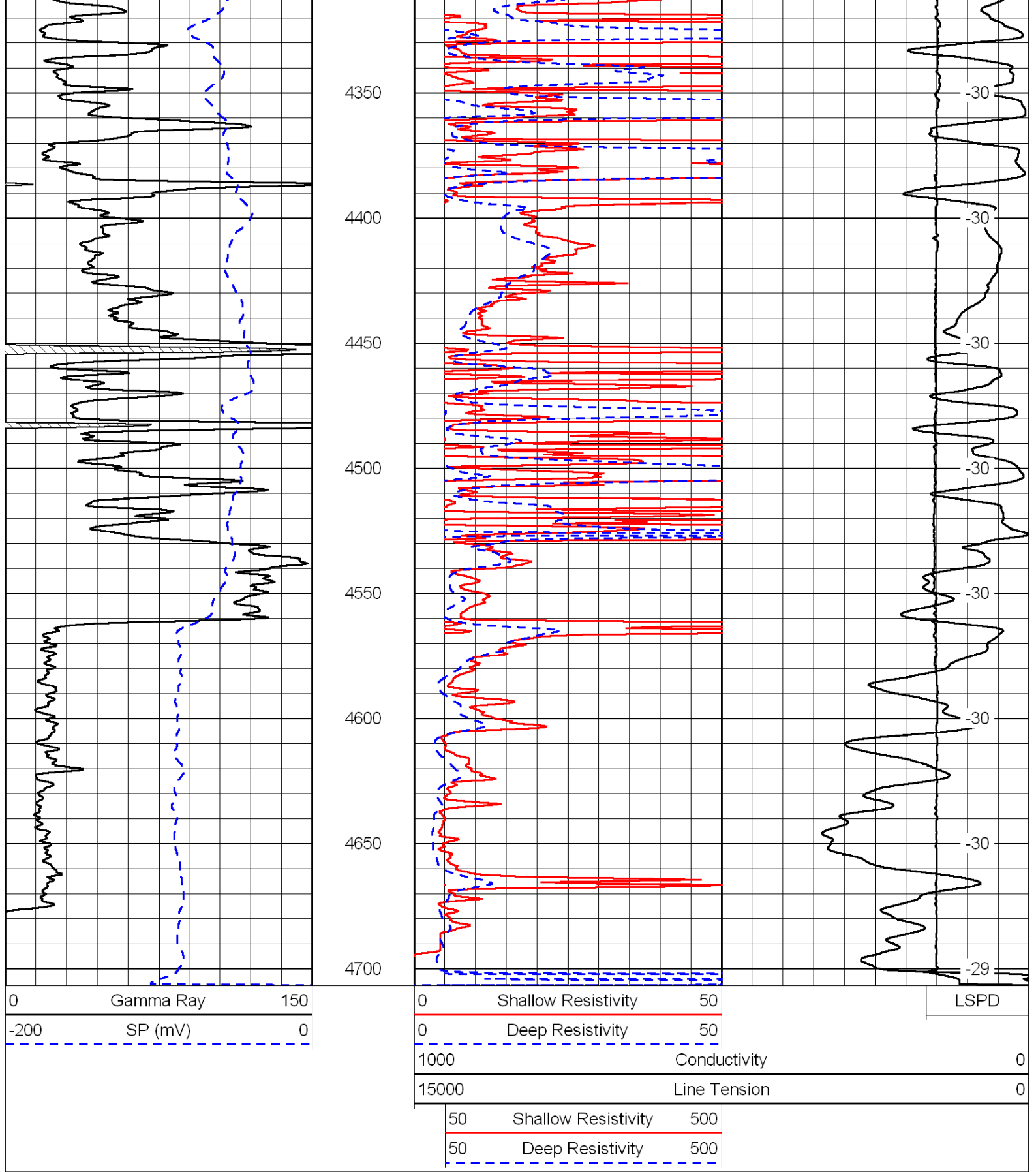




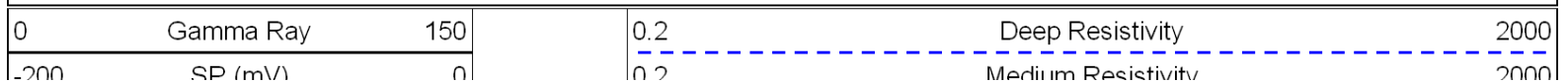








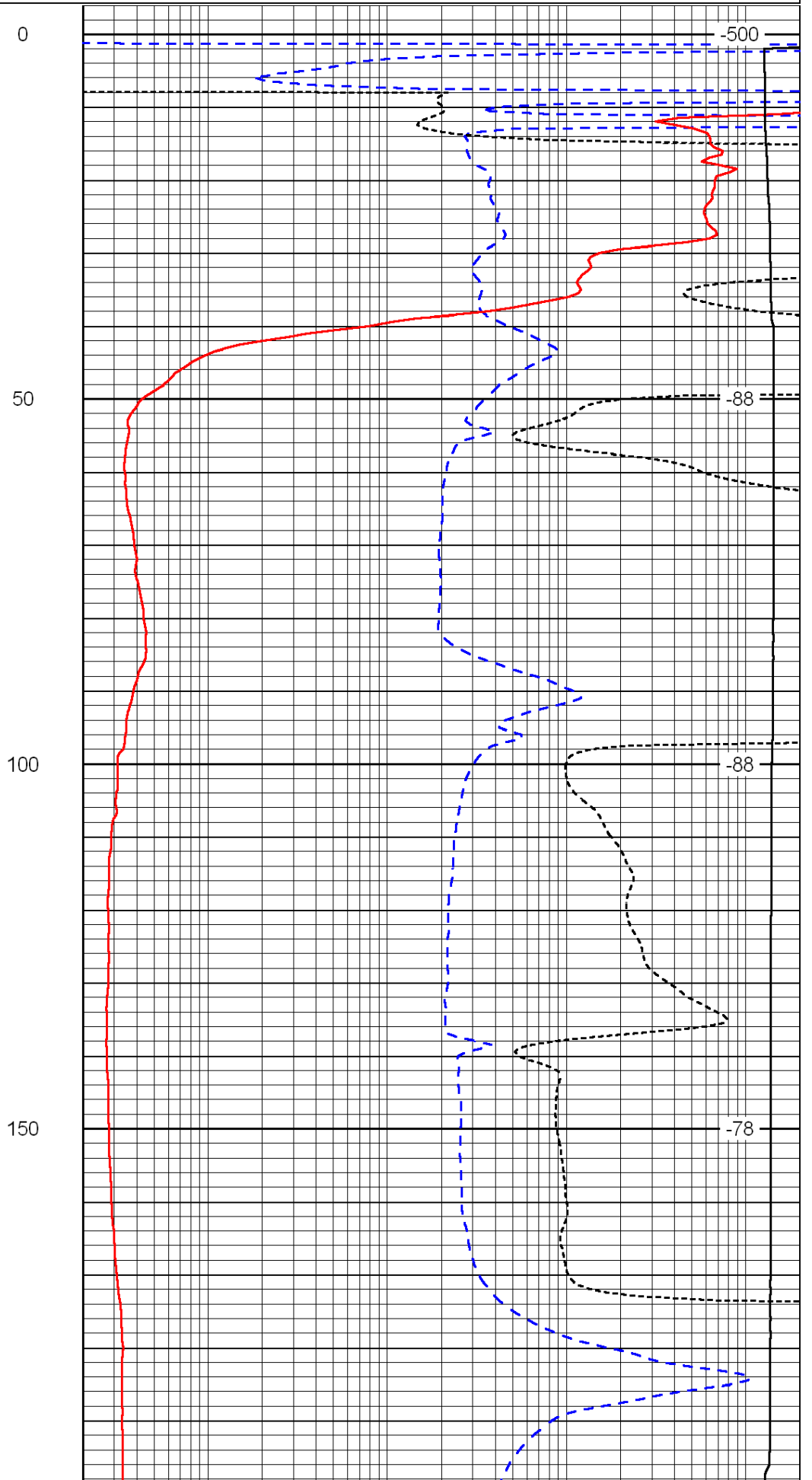
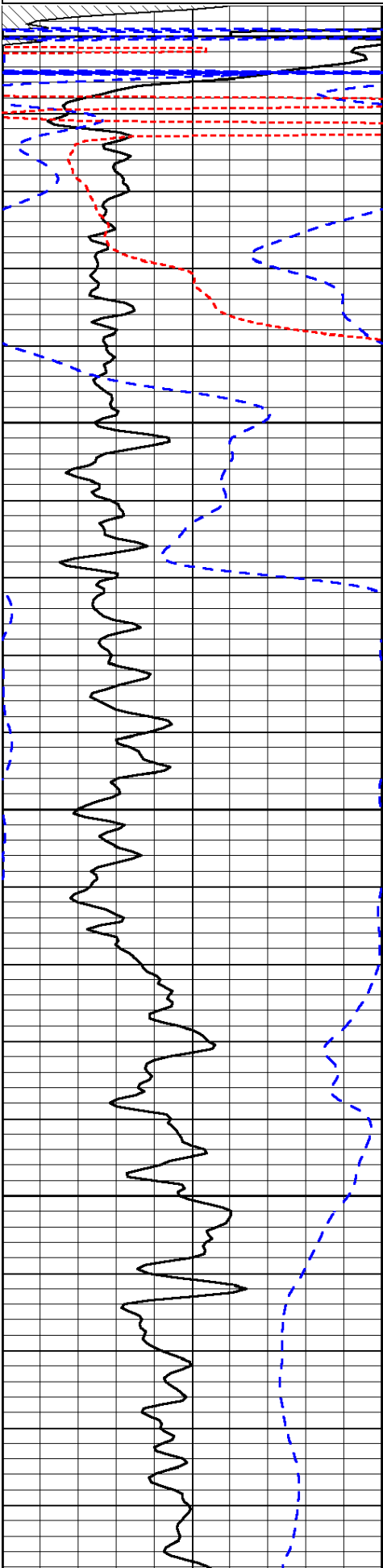
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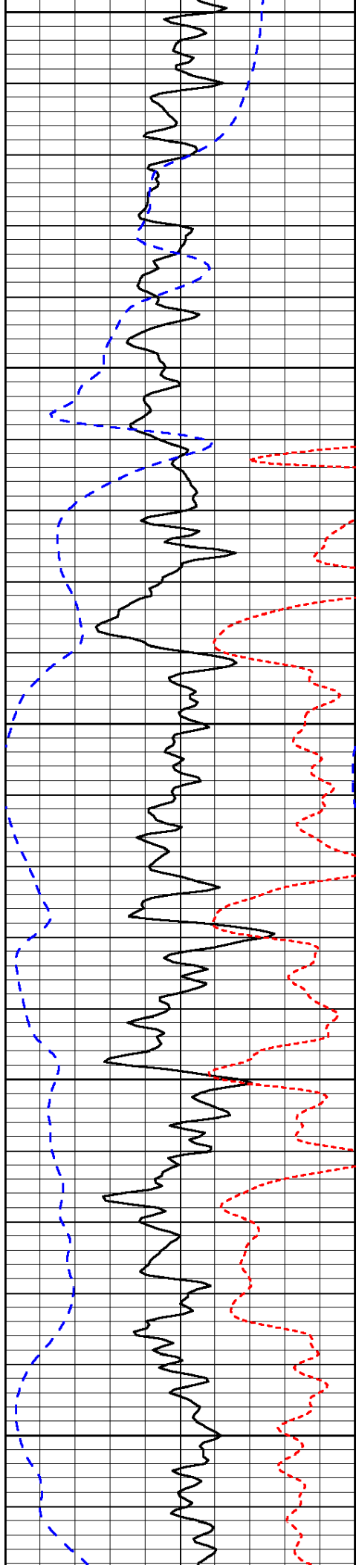


0.2
-160 Rxo / Rt 40

0.2 Shallow Resistivity 2000
15000 Line Tension 0

LSPD





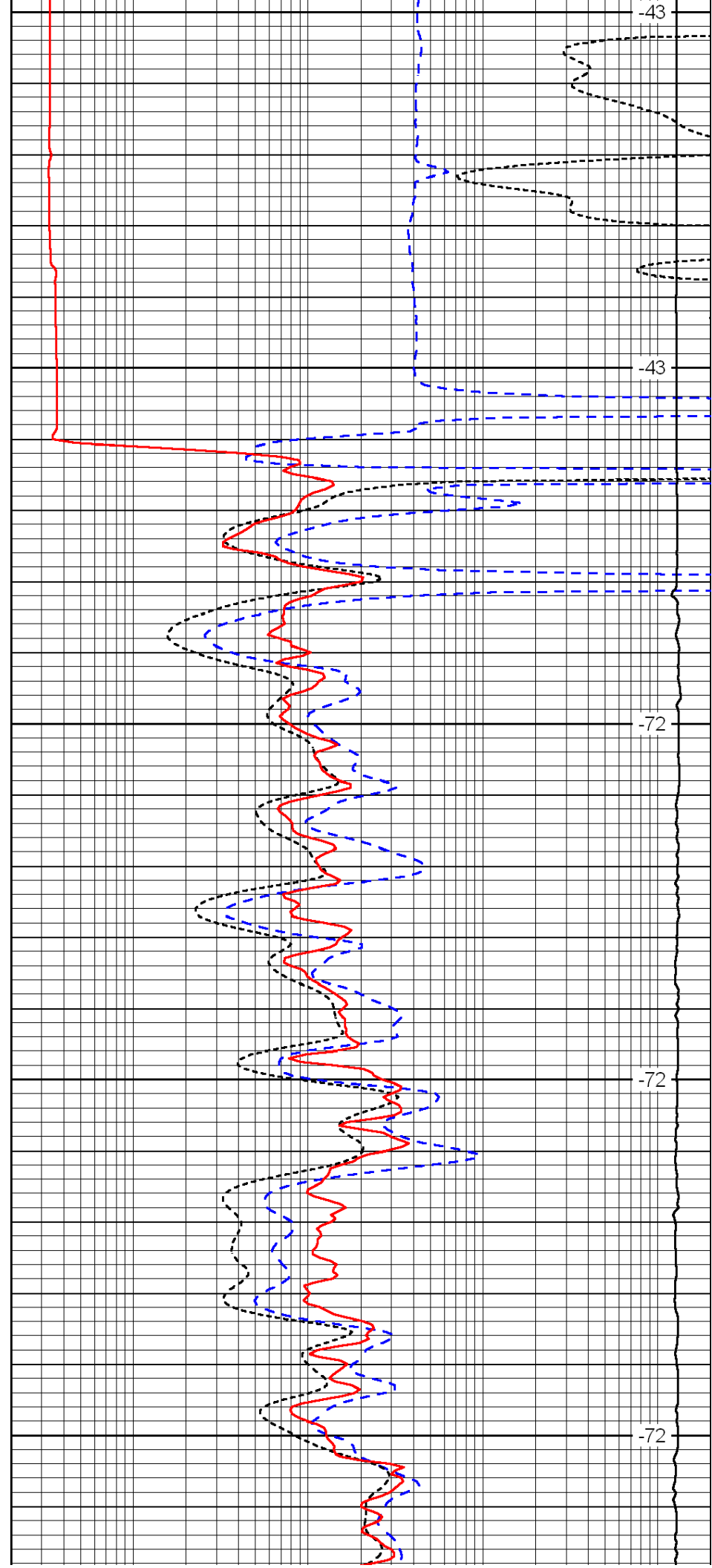
200

250

300

350

400



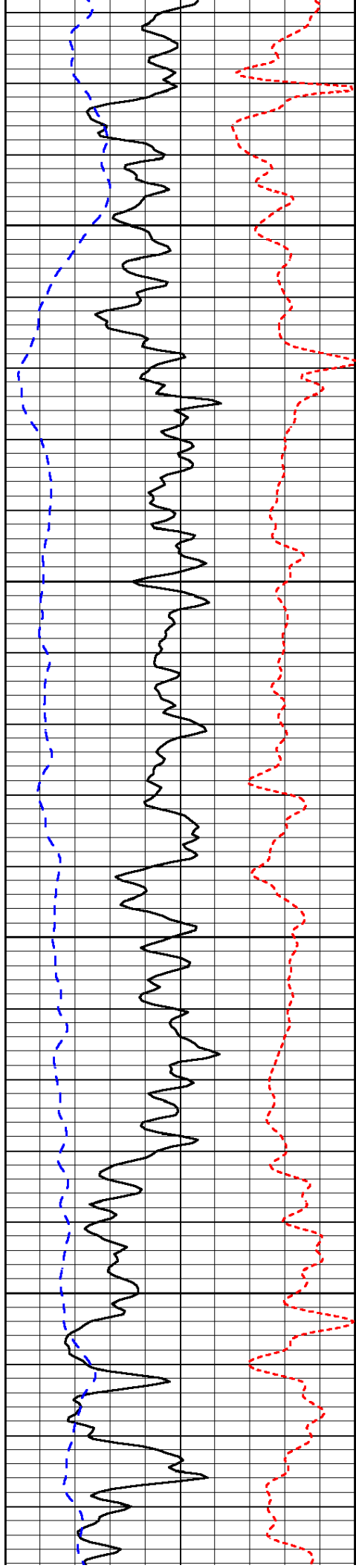
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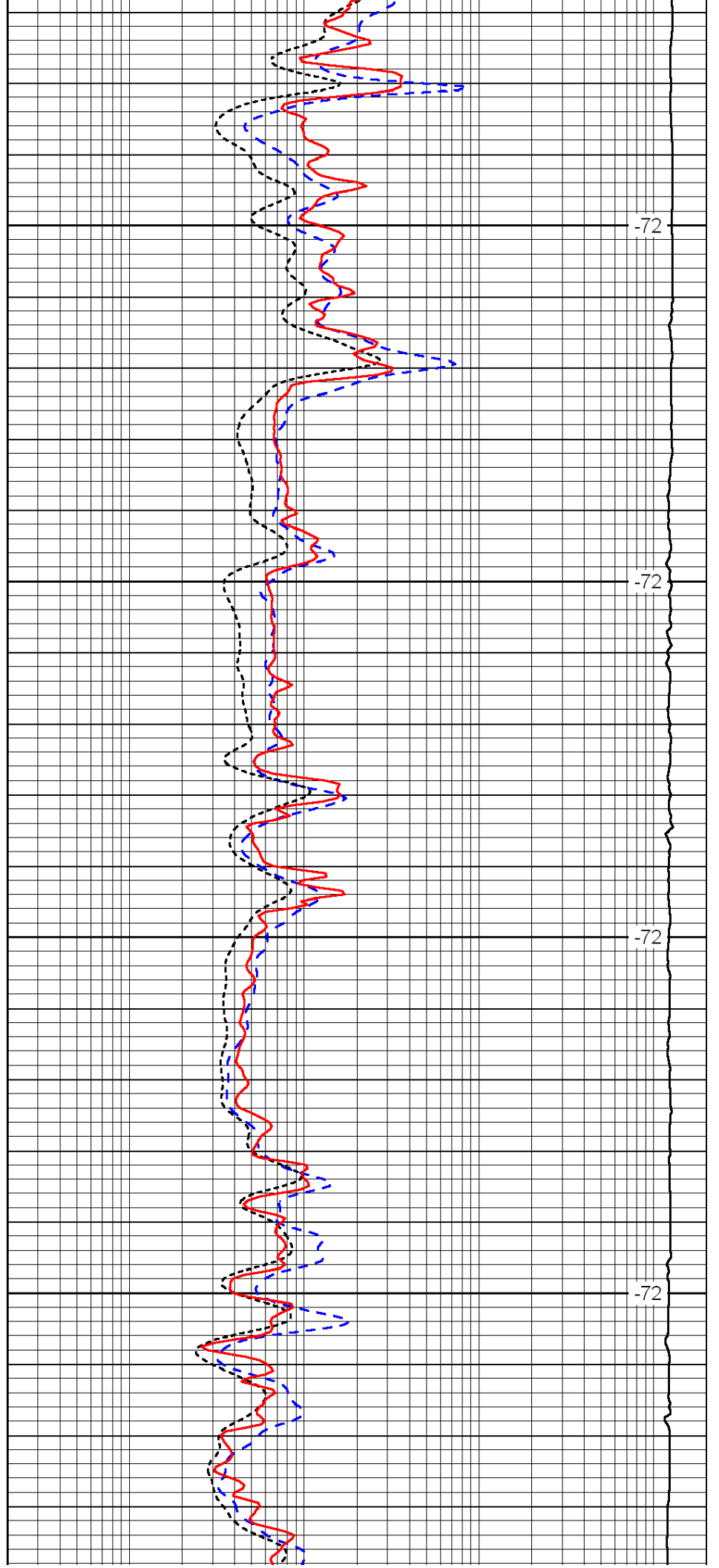


450

500

550

600

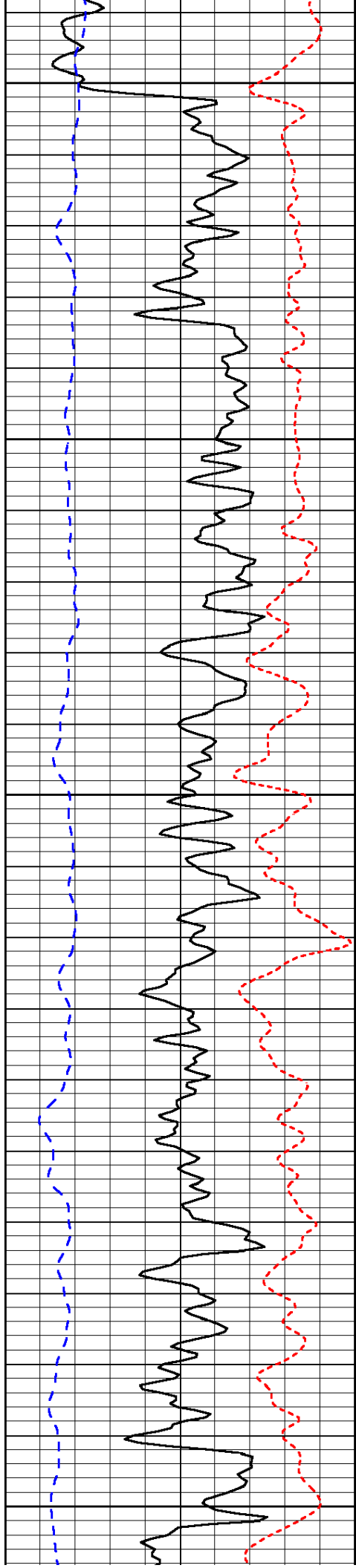


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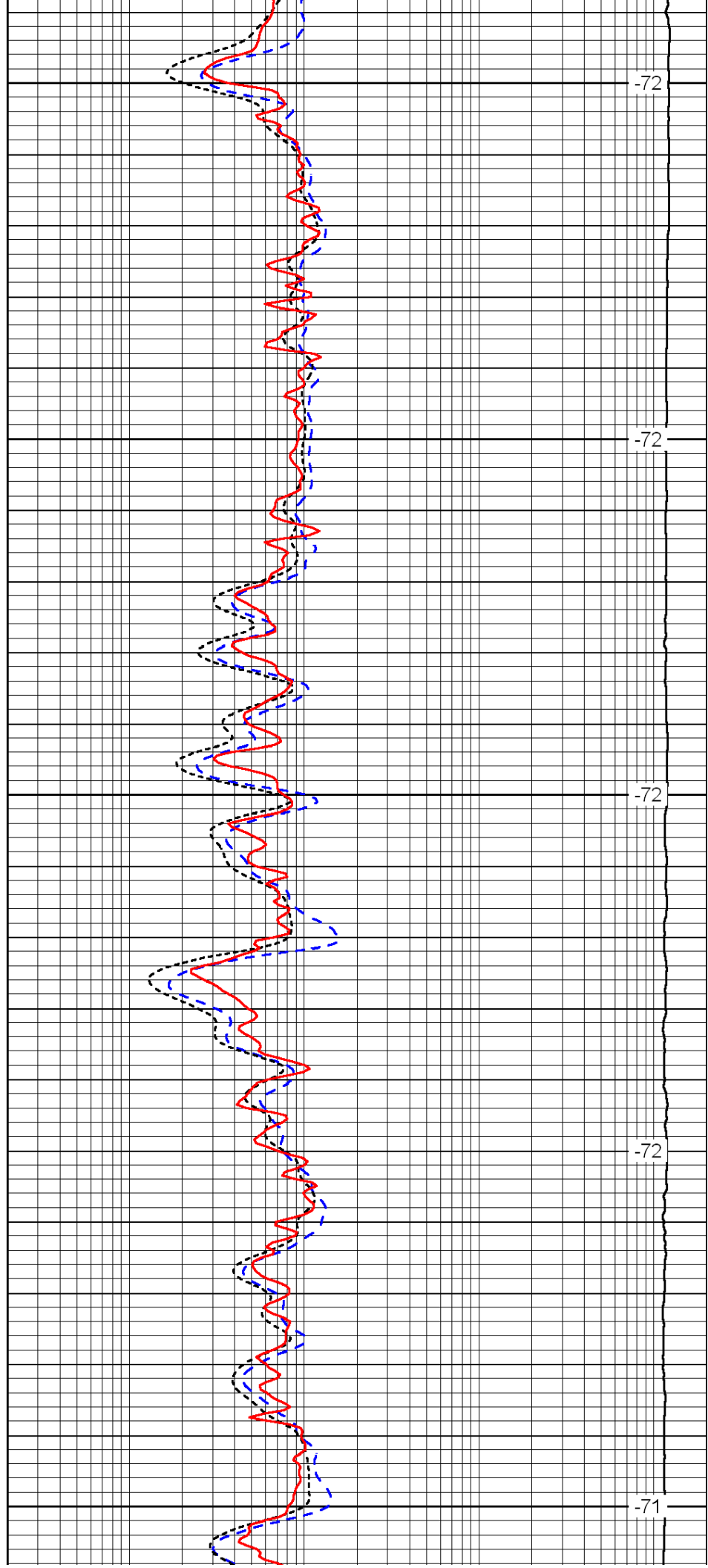
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700

750

800

850



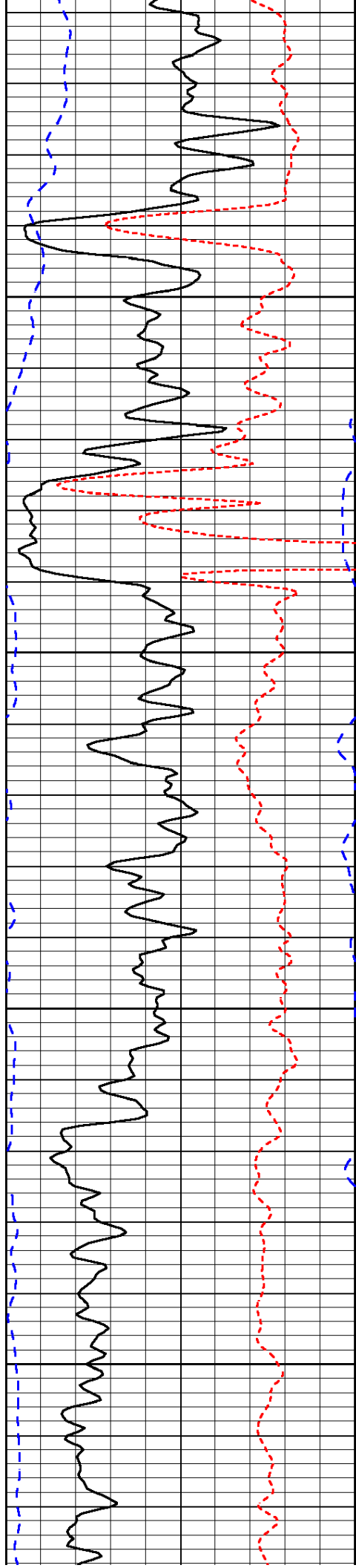
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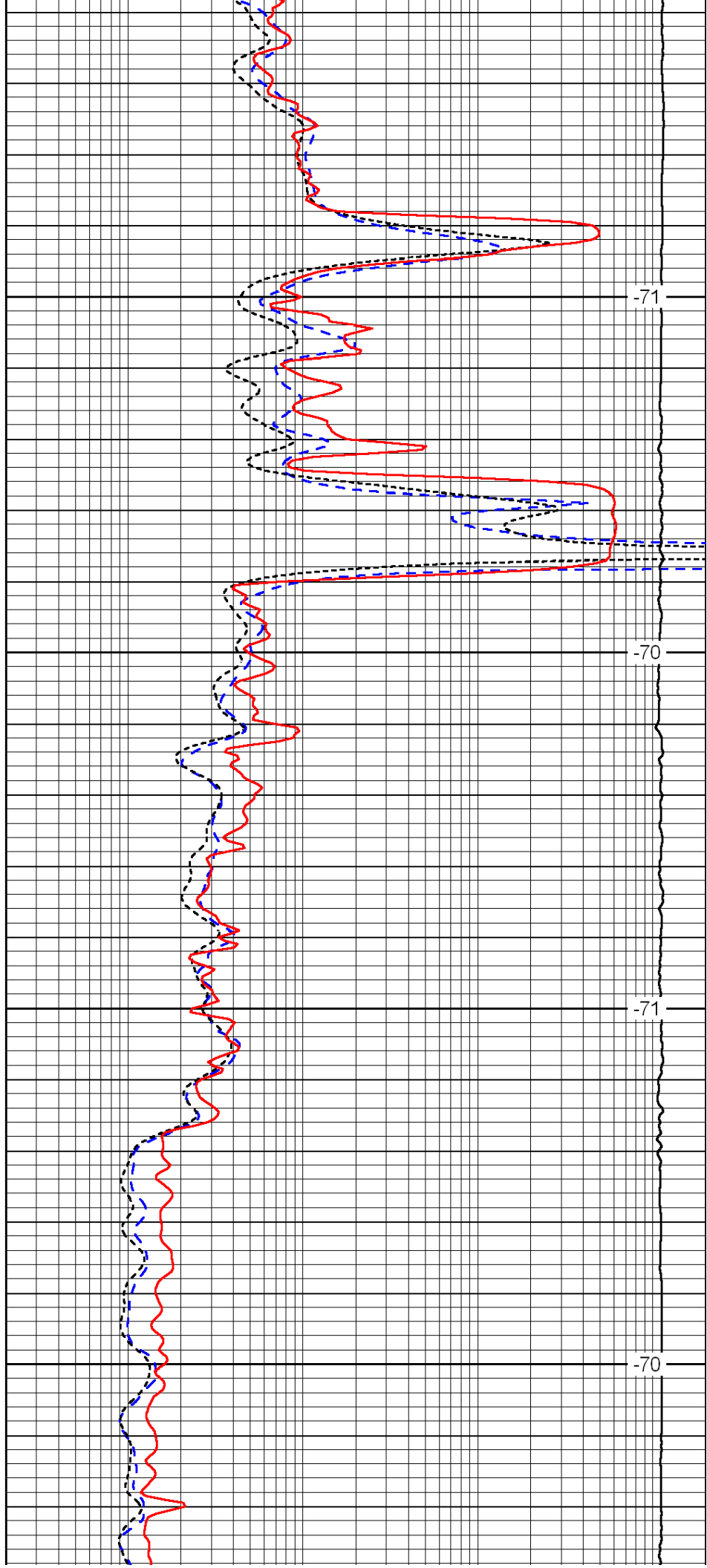


900

950

1000

1050

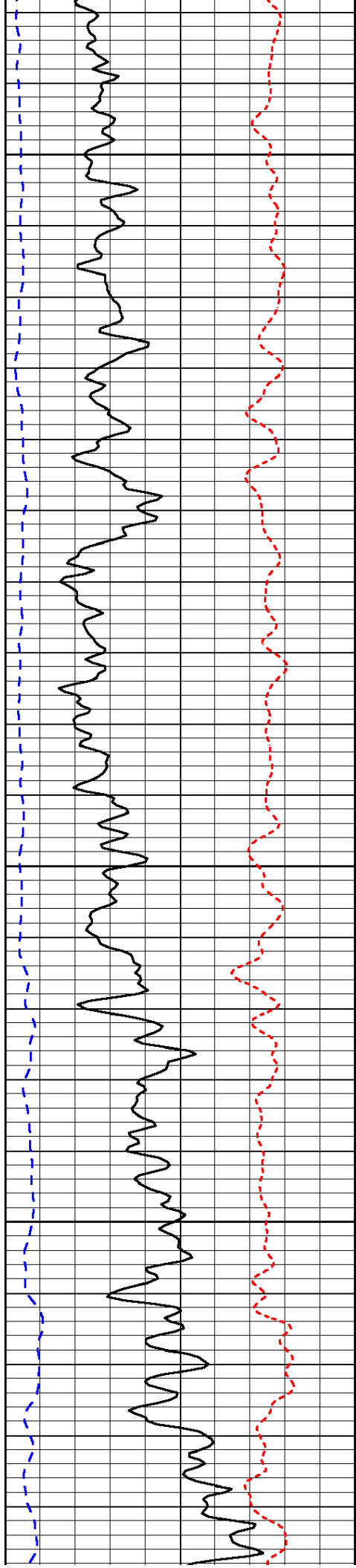


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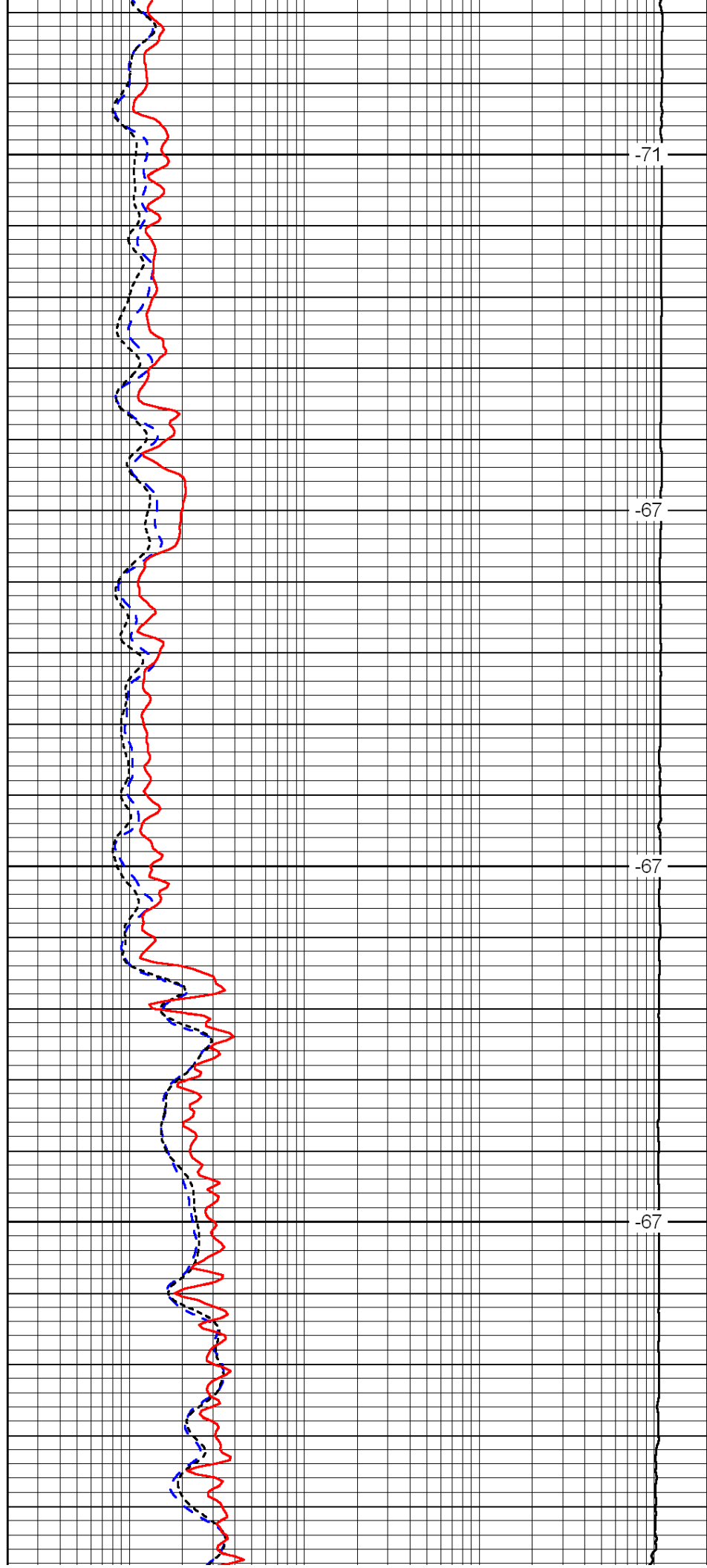


1100

1150

1200

1250

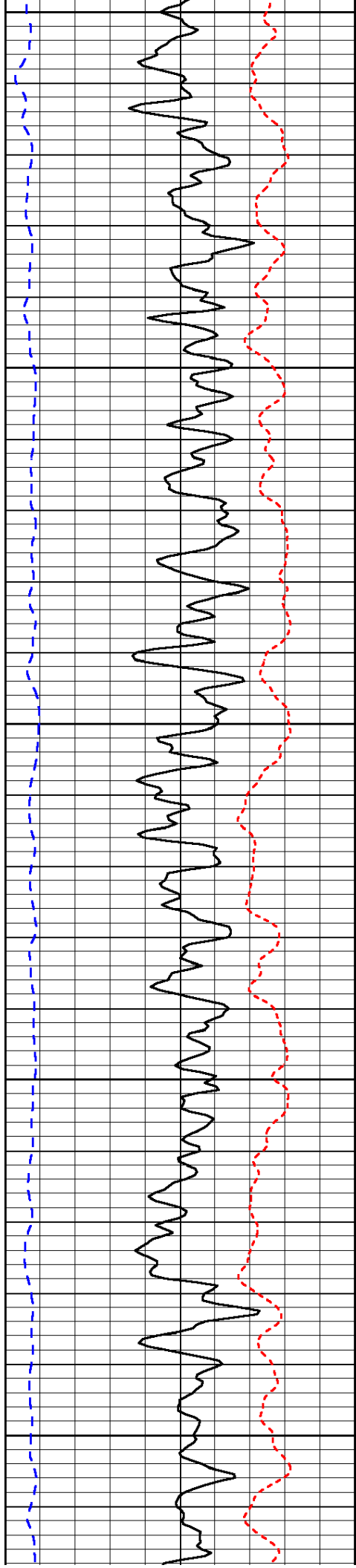


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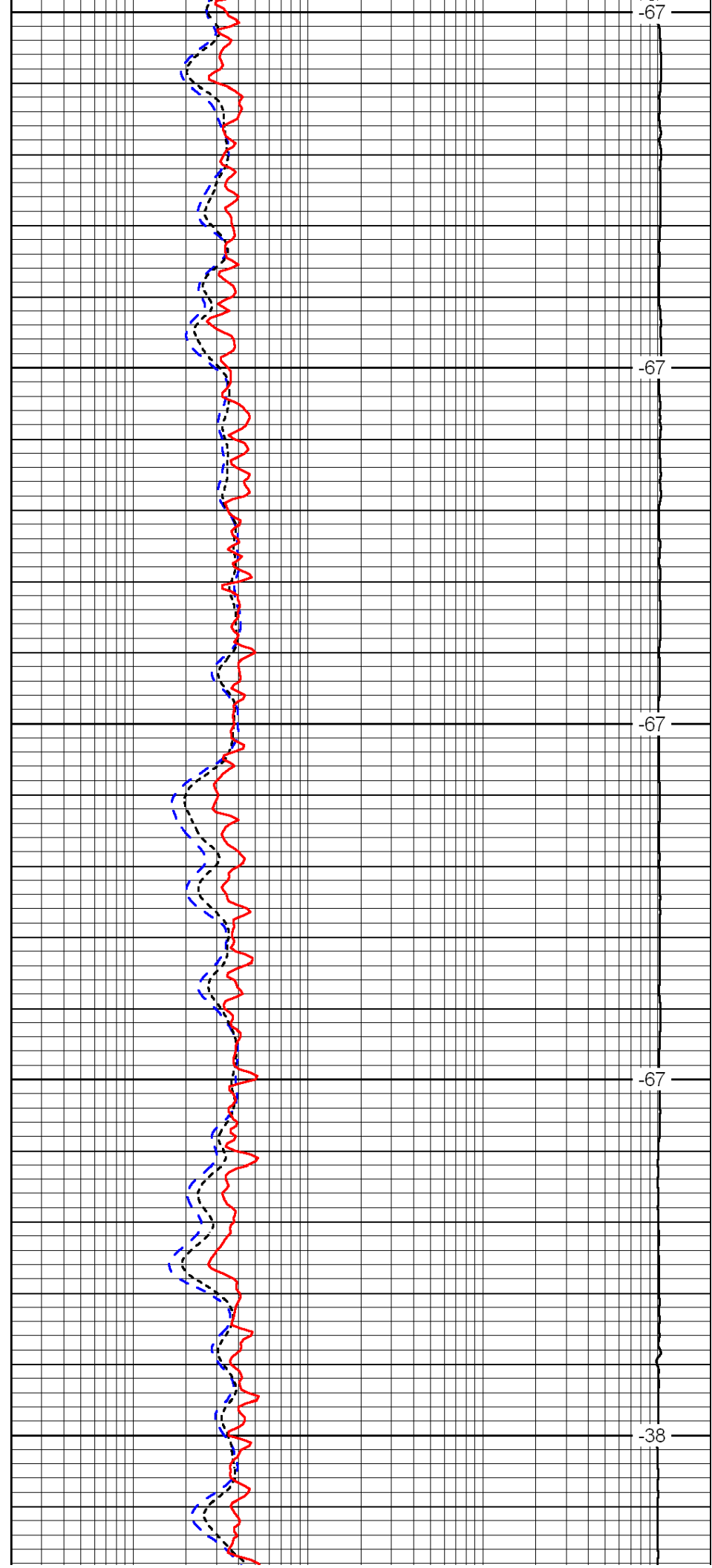
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1350

1400

1450

1500



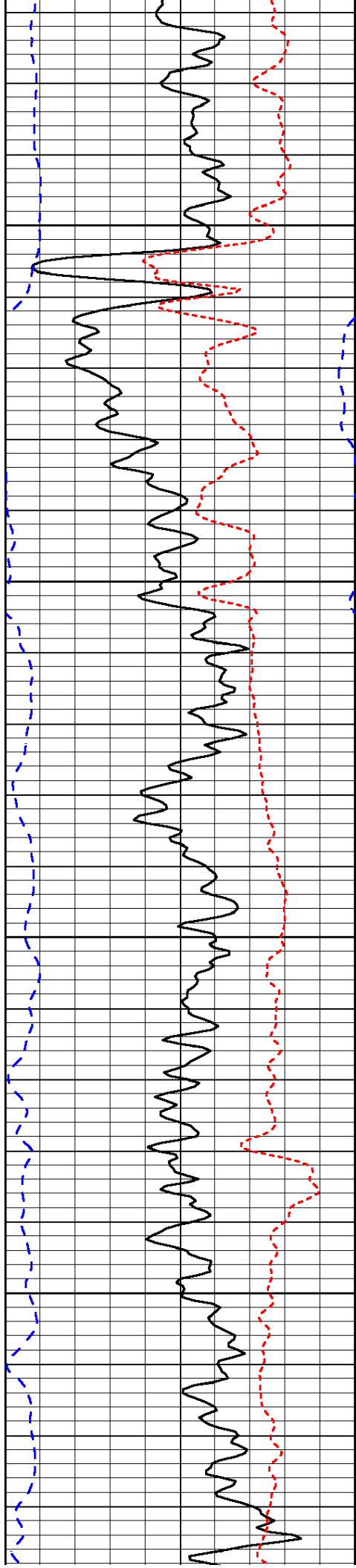
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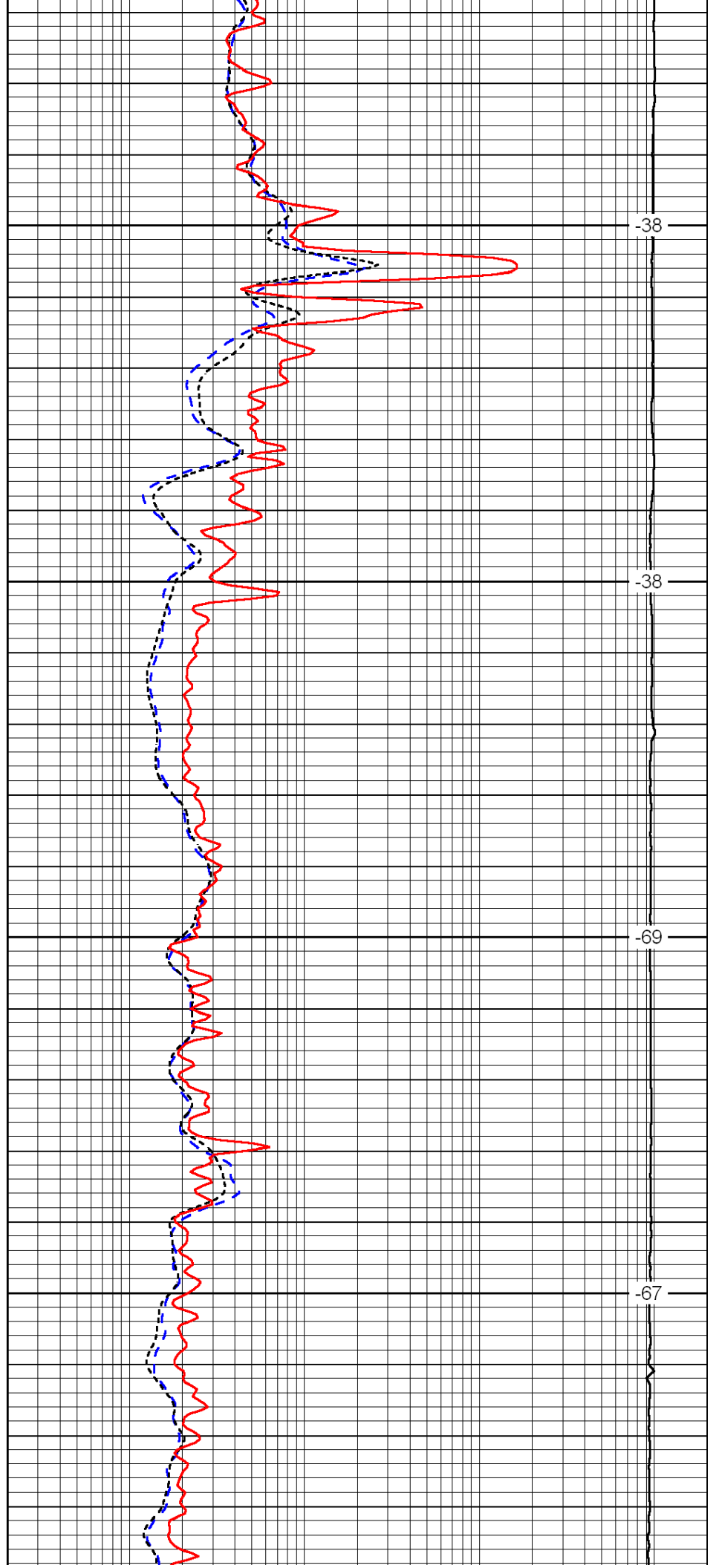


1550

1600

1650

1700

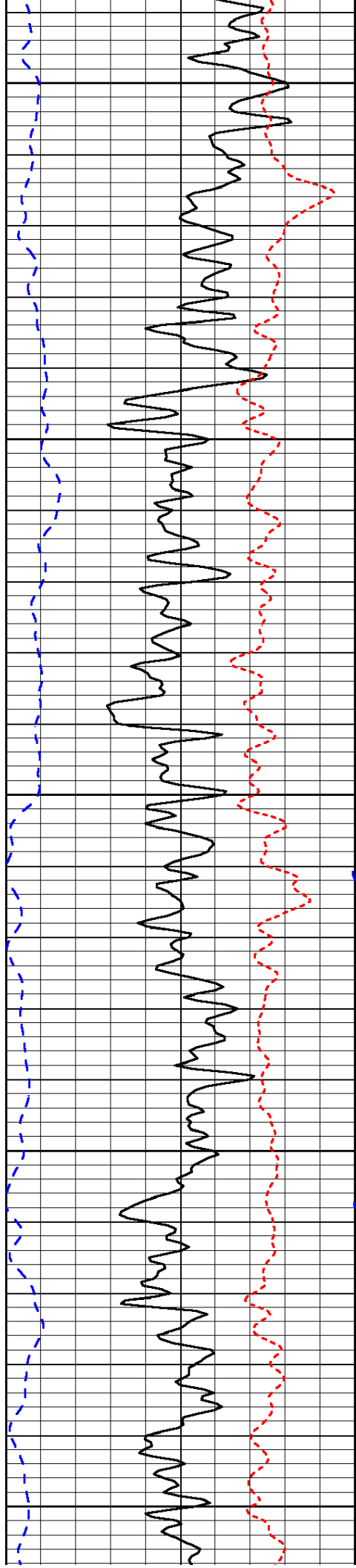


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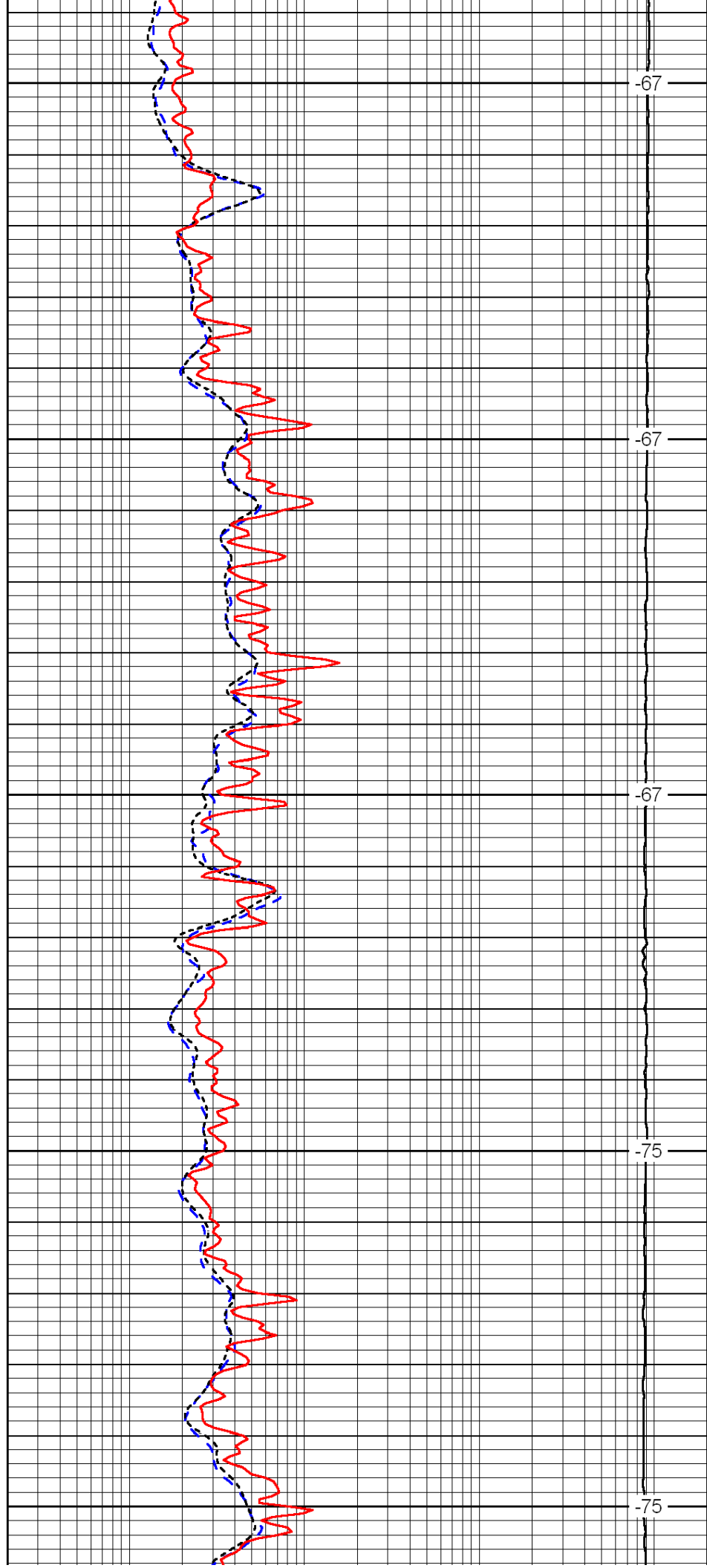
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1800

1850

1900

1950



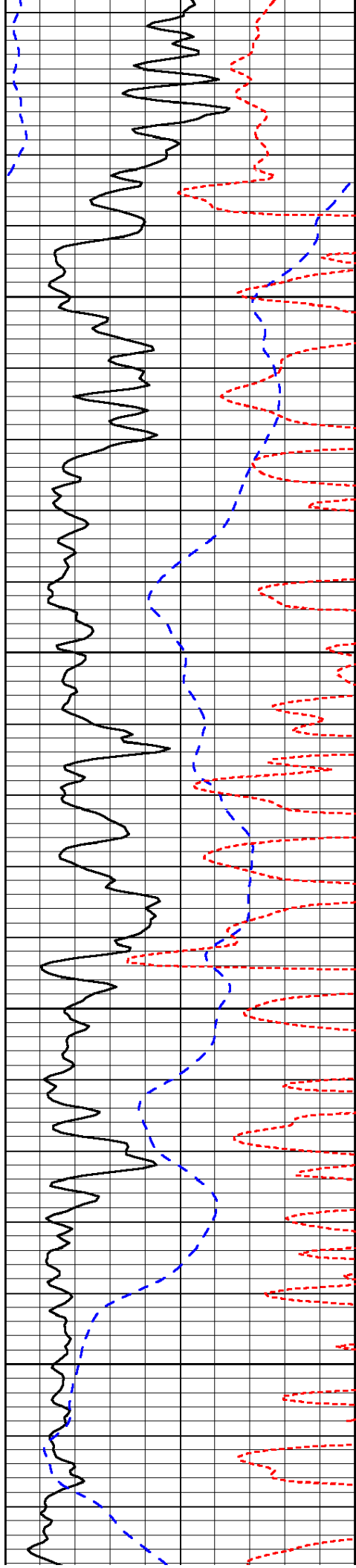
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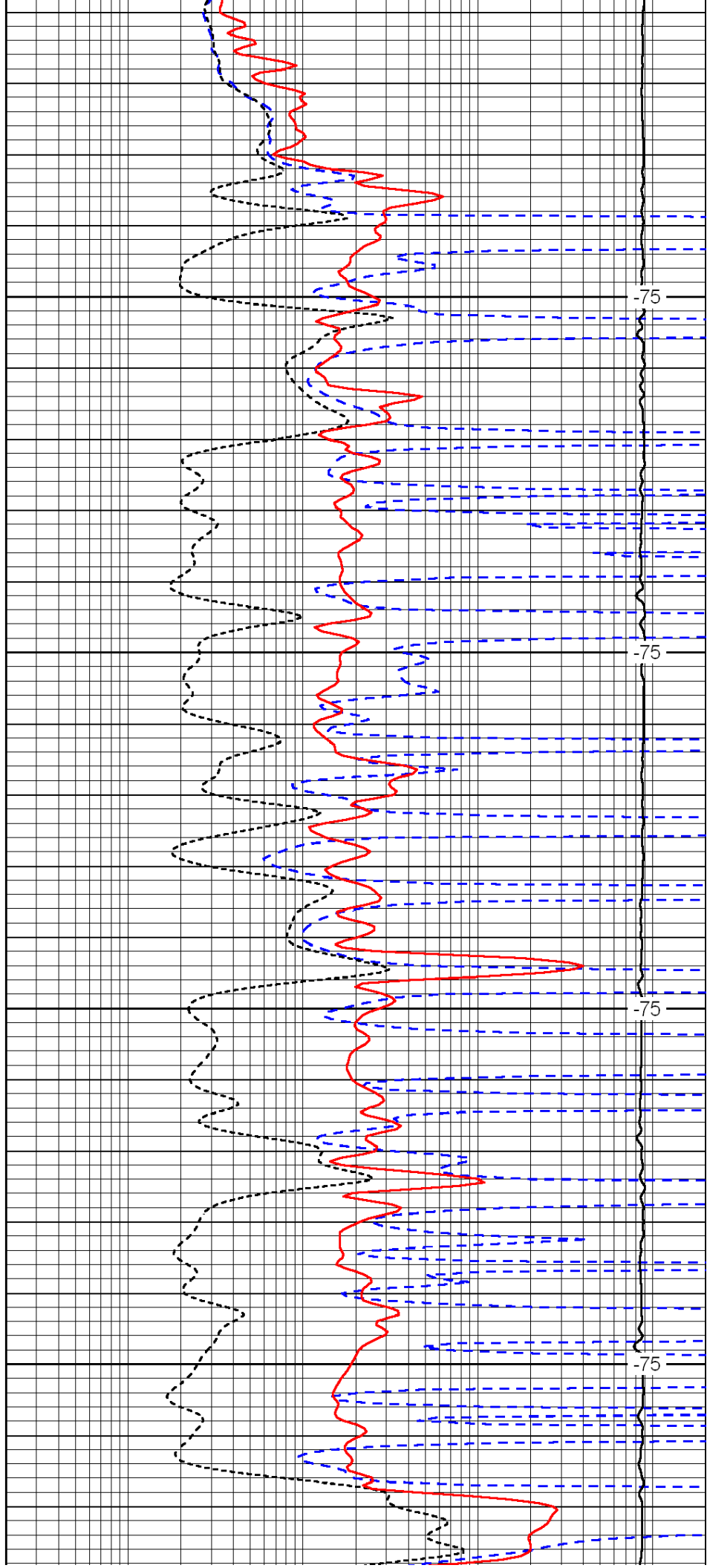


2000

2050

2100

2150

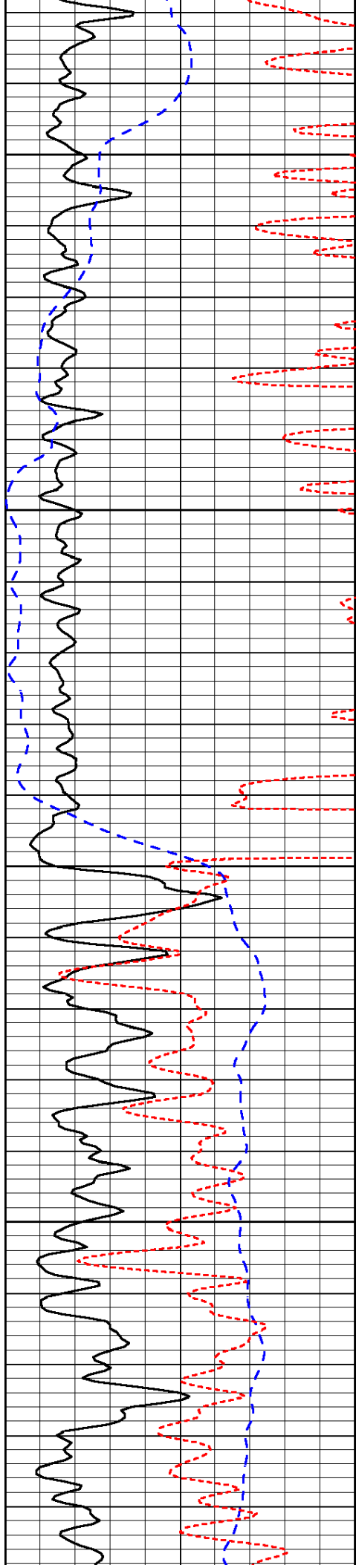


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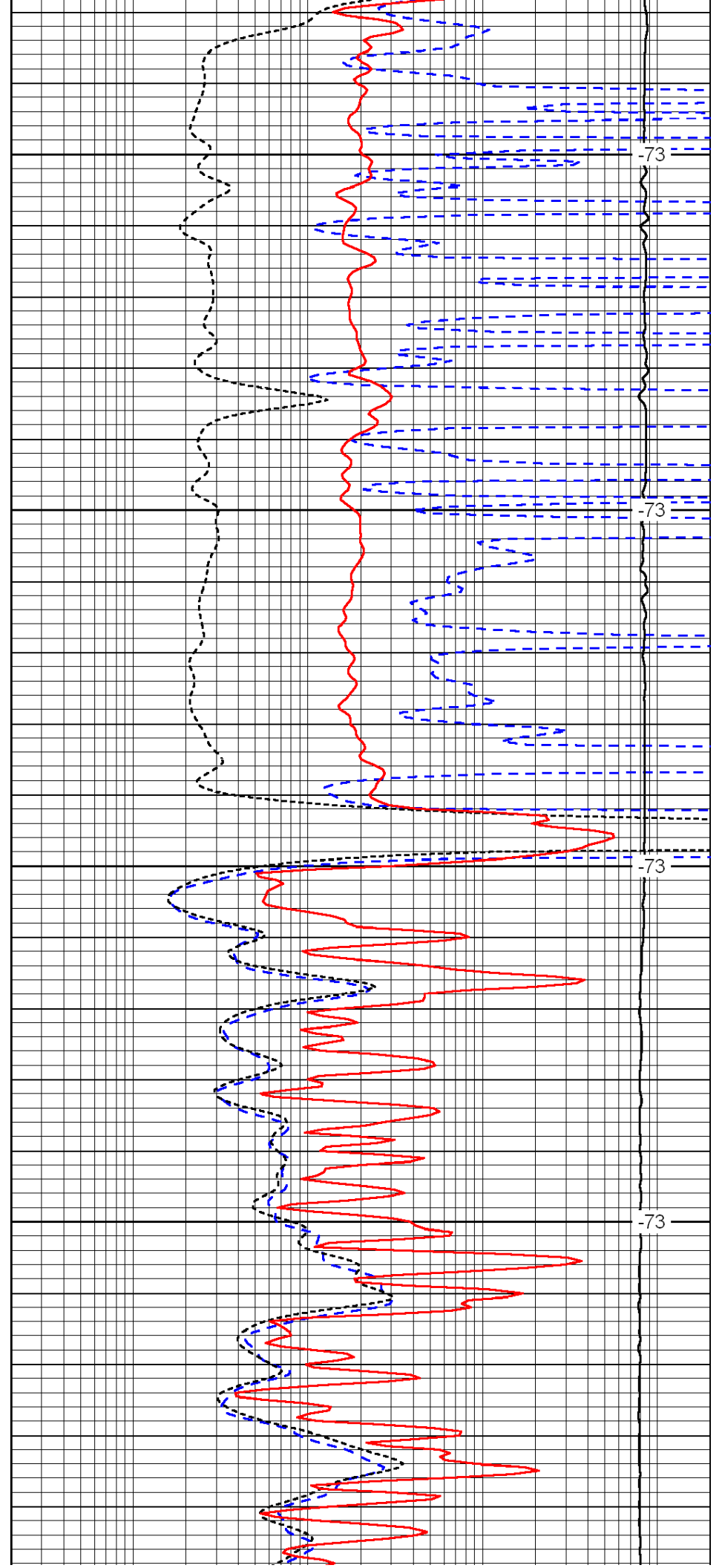


2200

2250

2300

2350

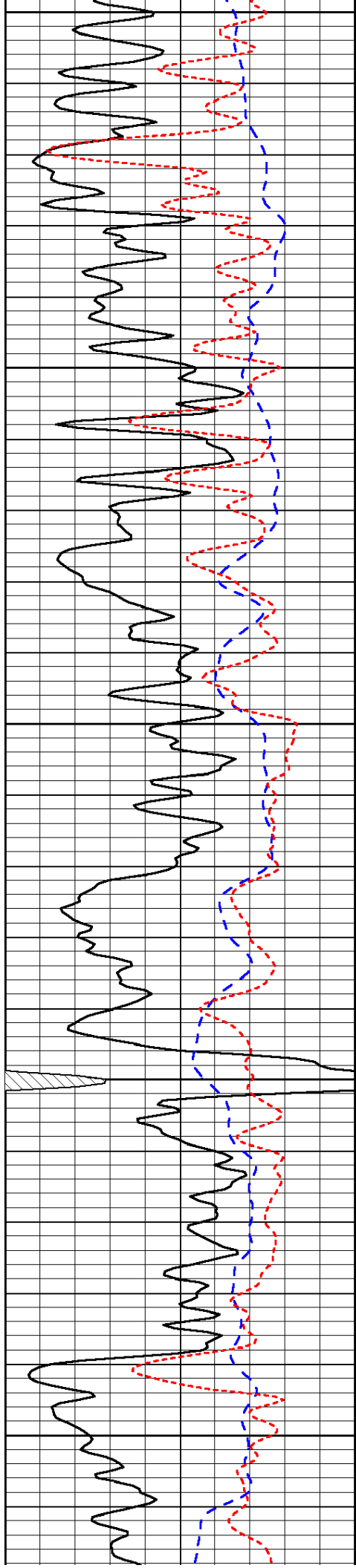


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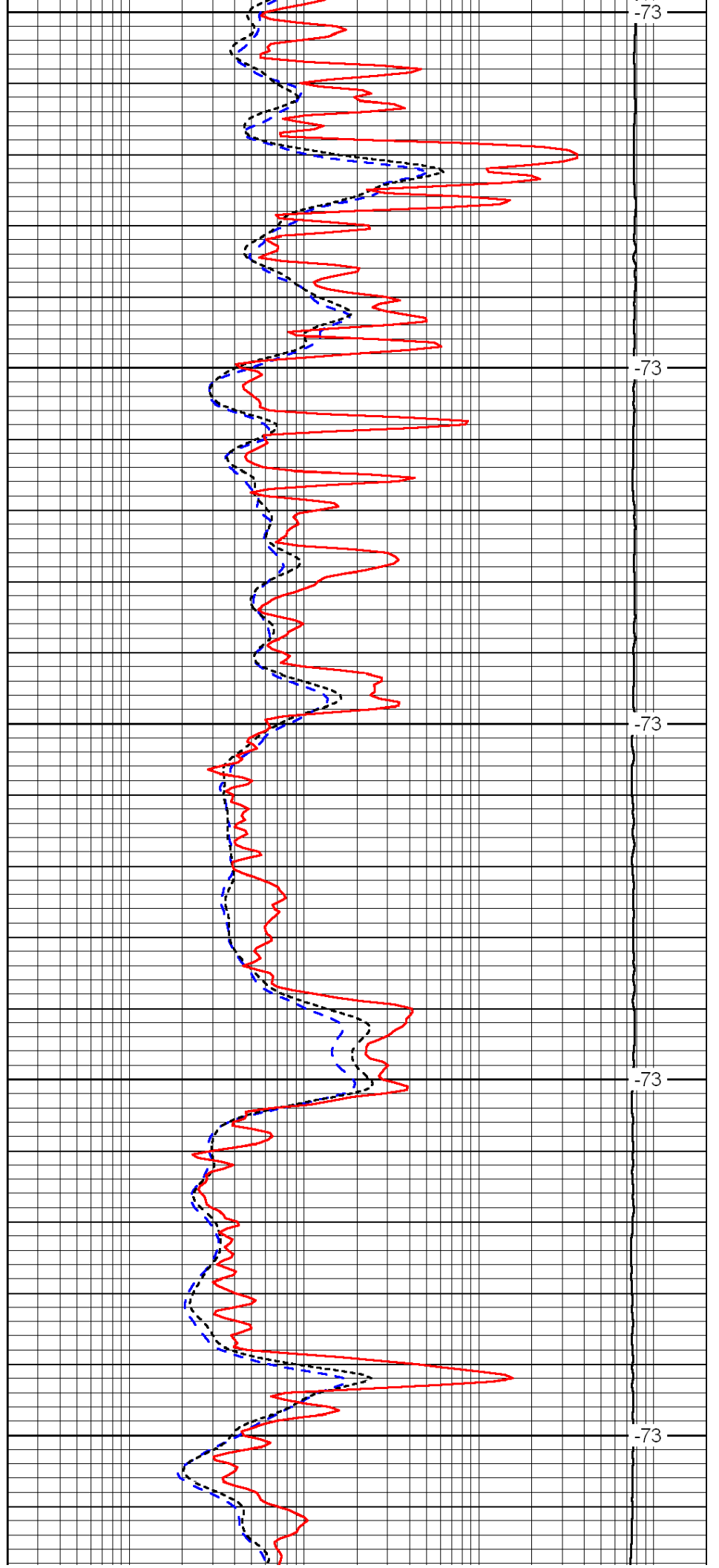
2400

2450

2500

2550

2600



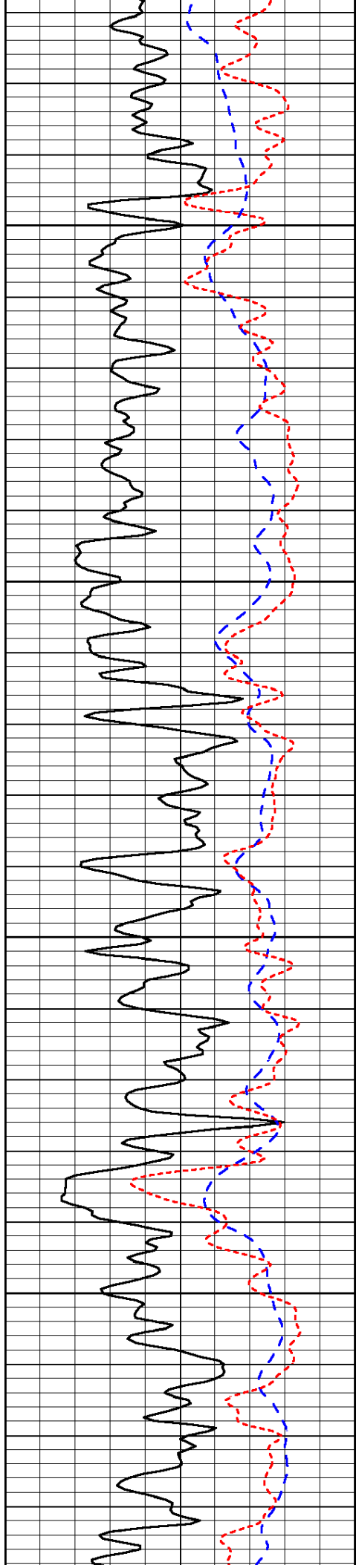
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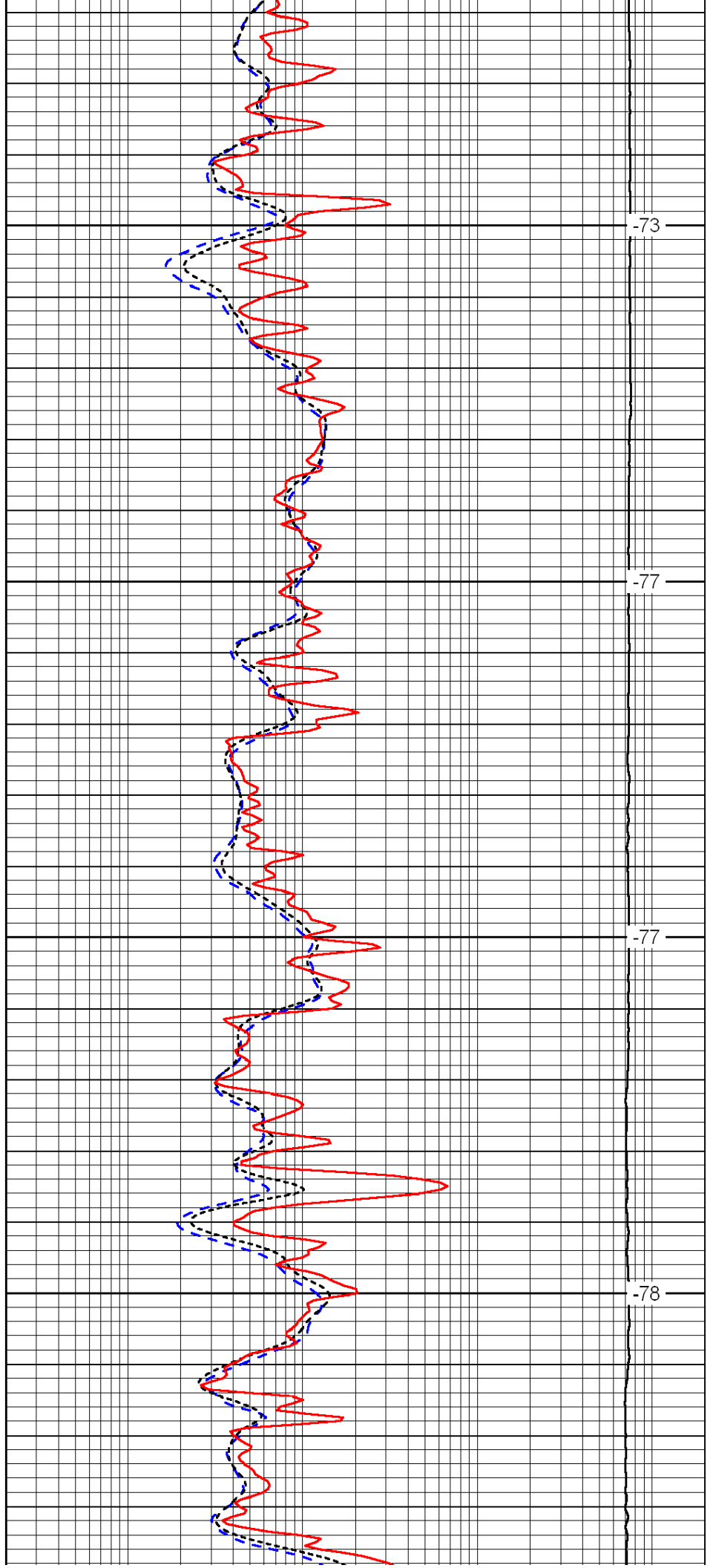


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2700

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2800

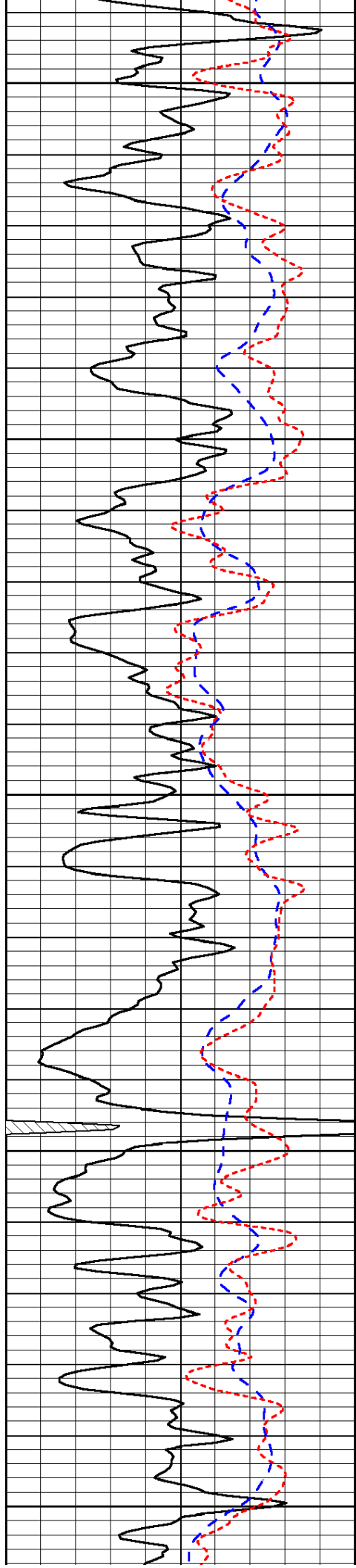


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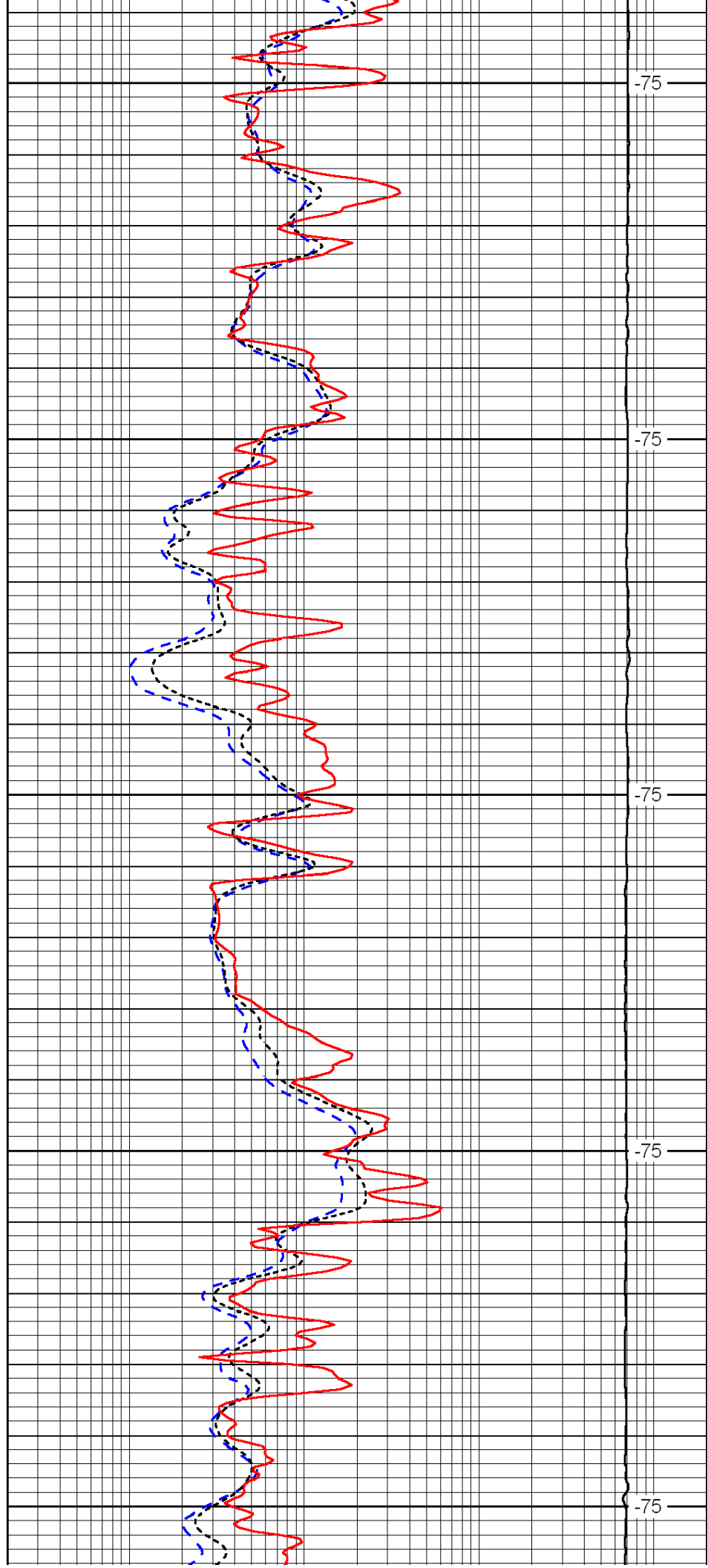
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2900

2950

3000

3050



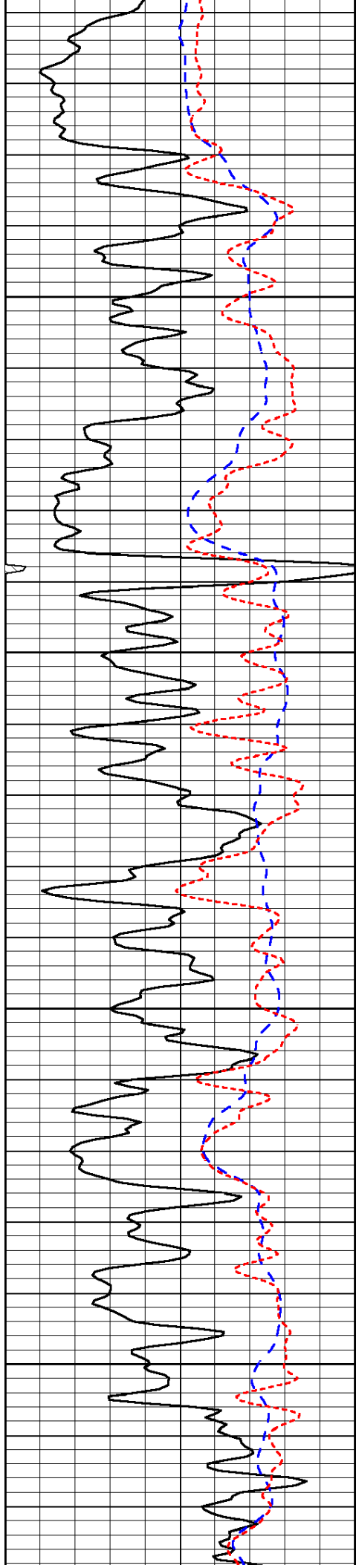
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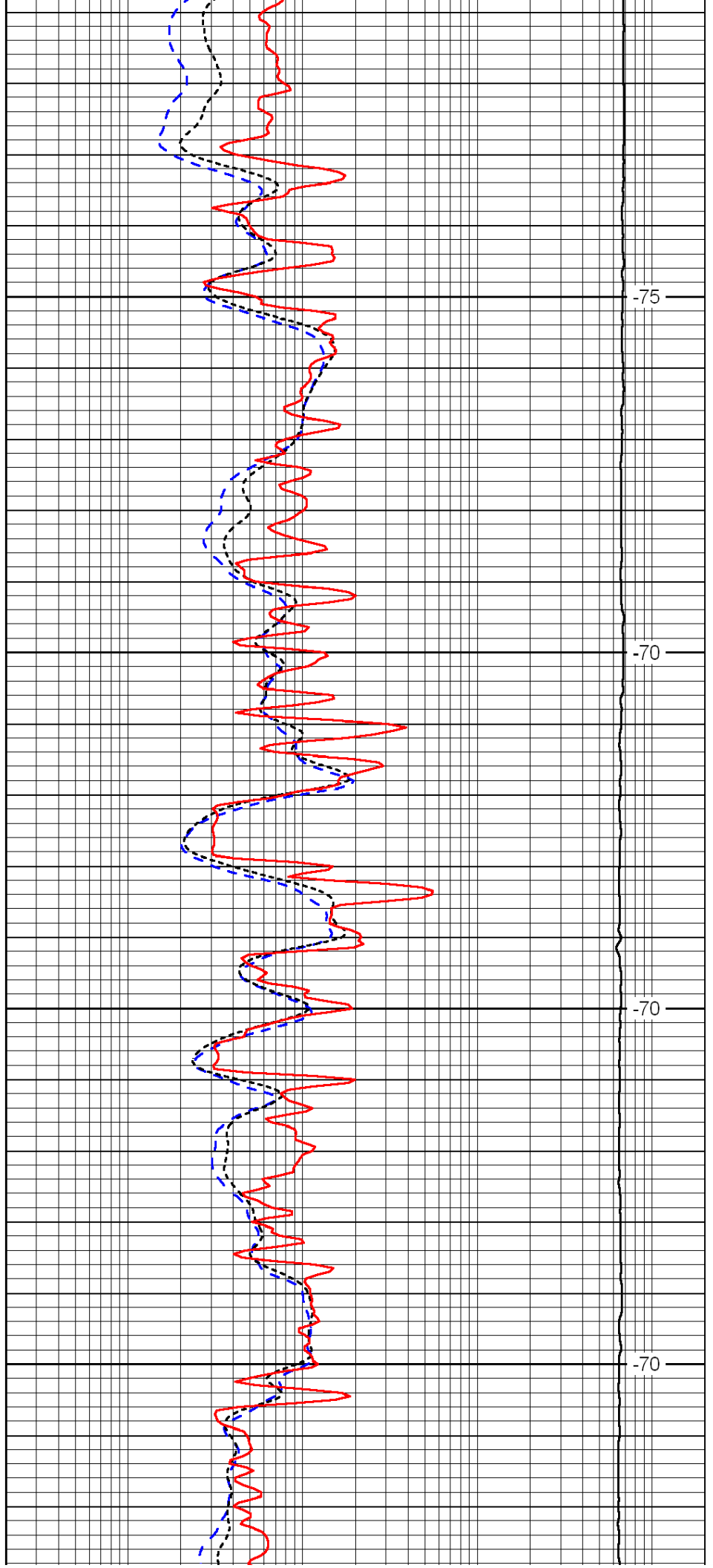


3100

3150

3200

3250

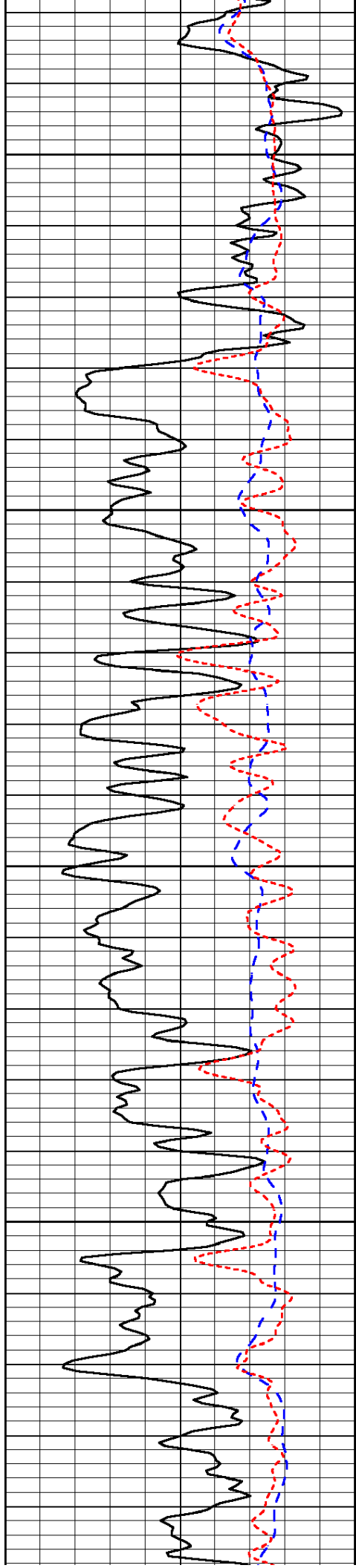


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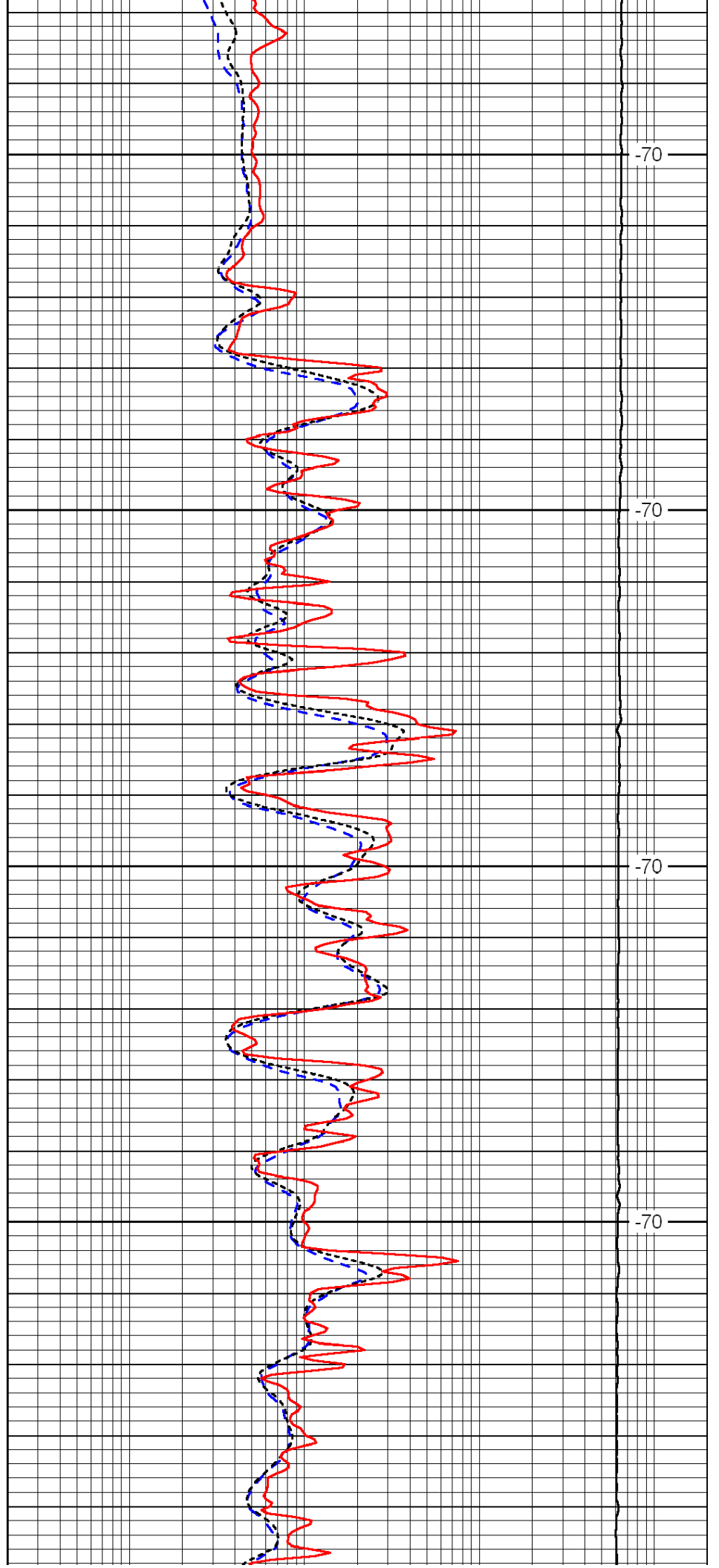


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3400

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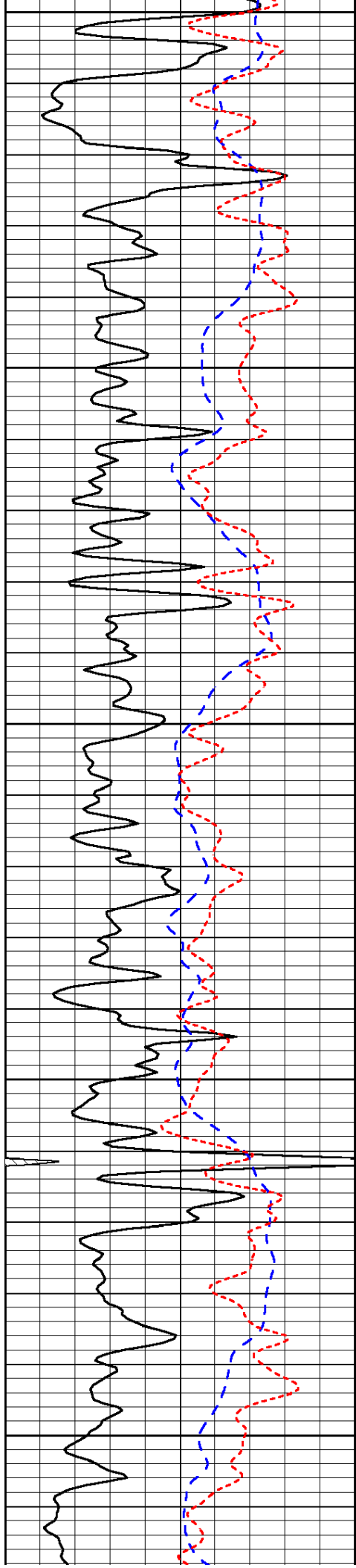


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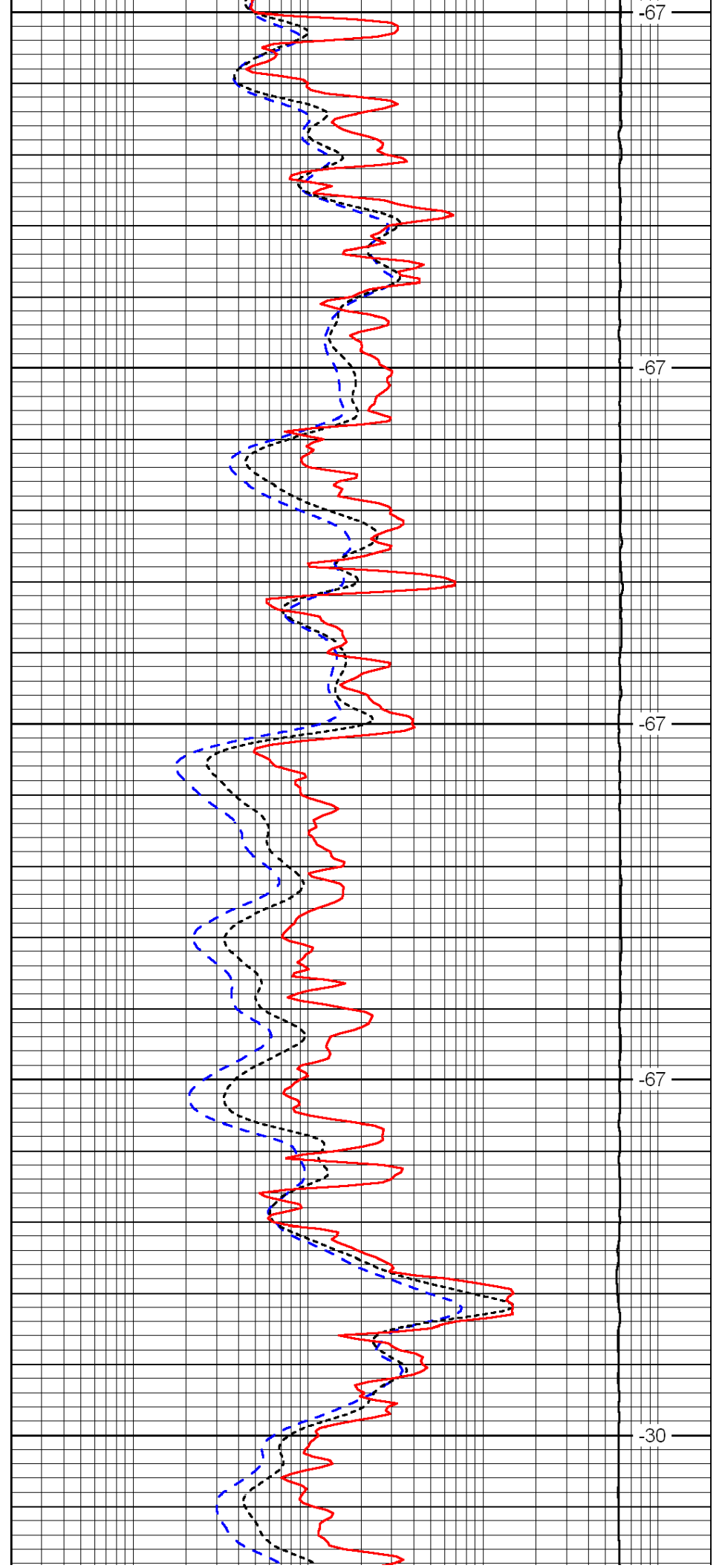
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3550

3600

3650

3700



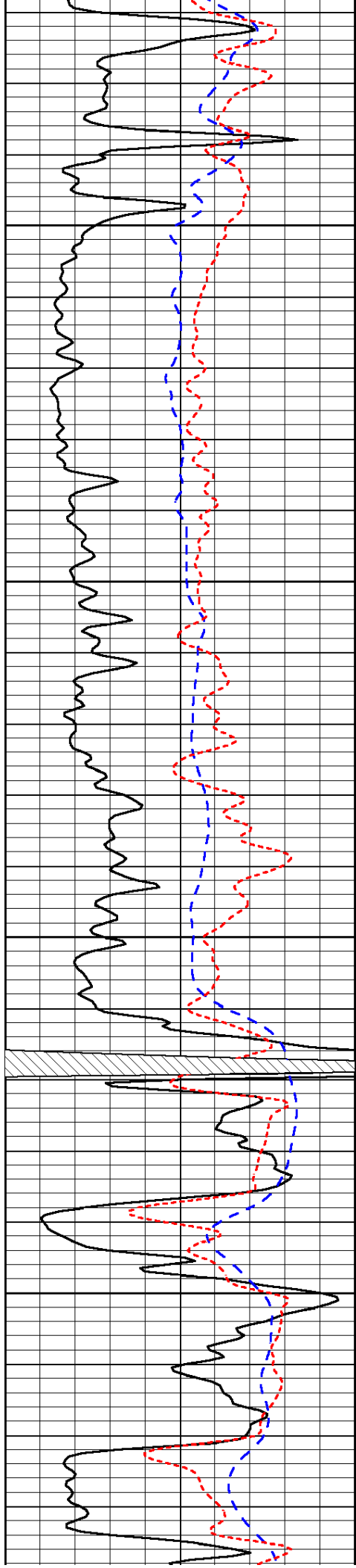
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-67

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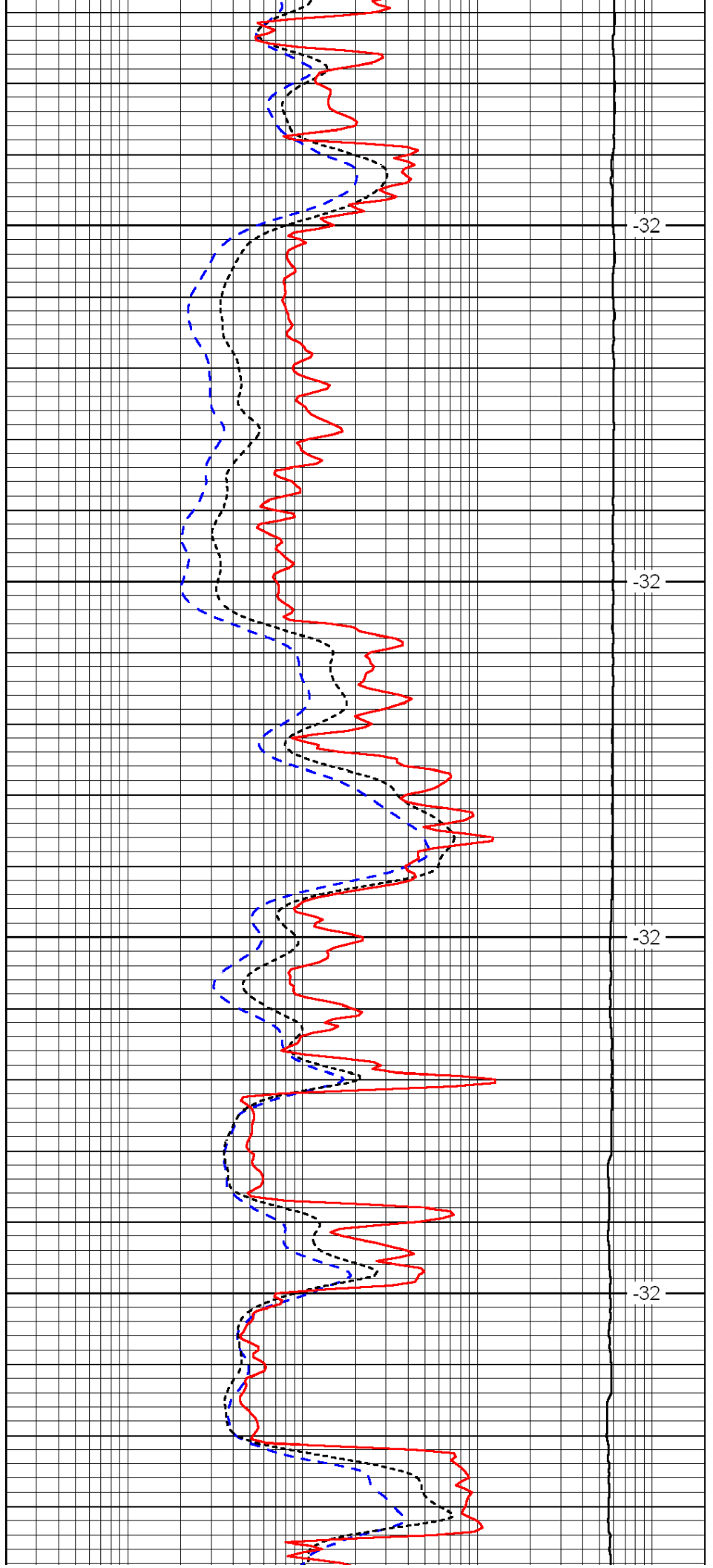


3750

3800

3850

3900

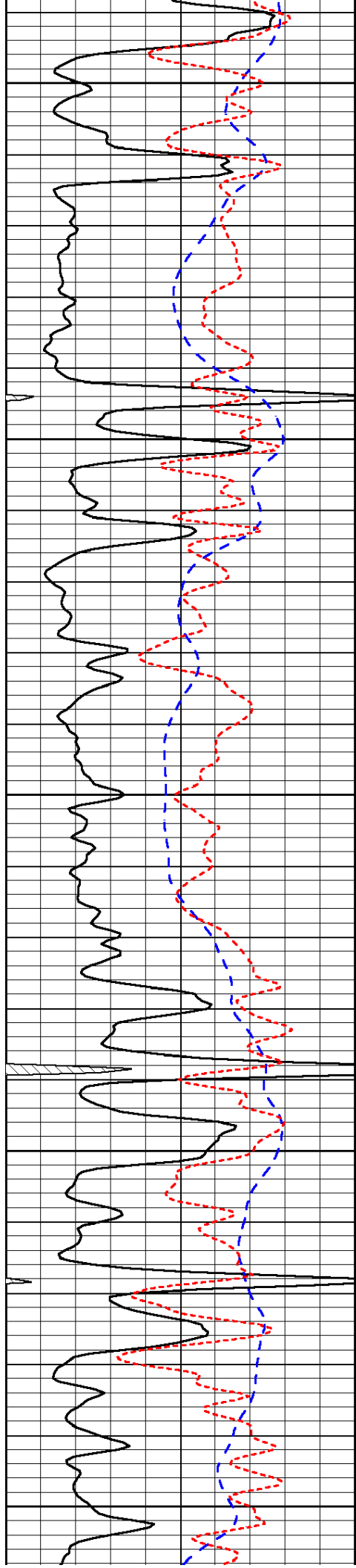


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-32

-32

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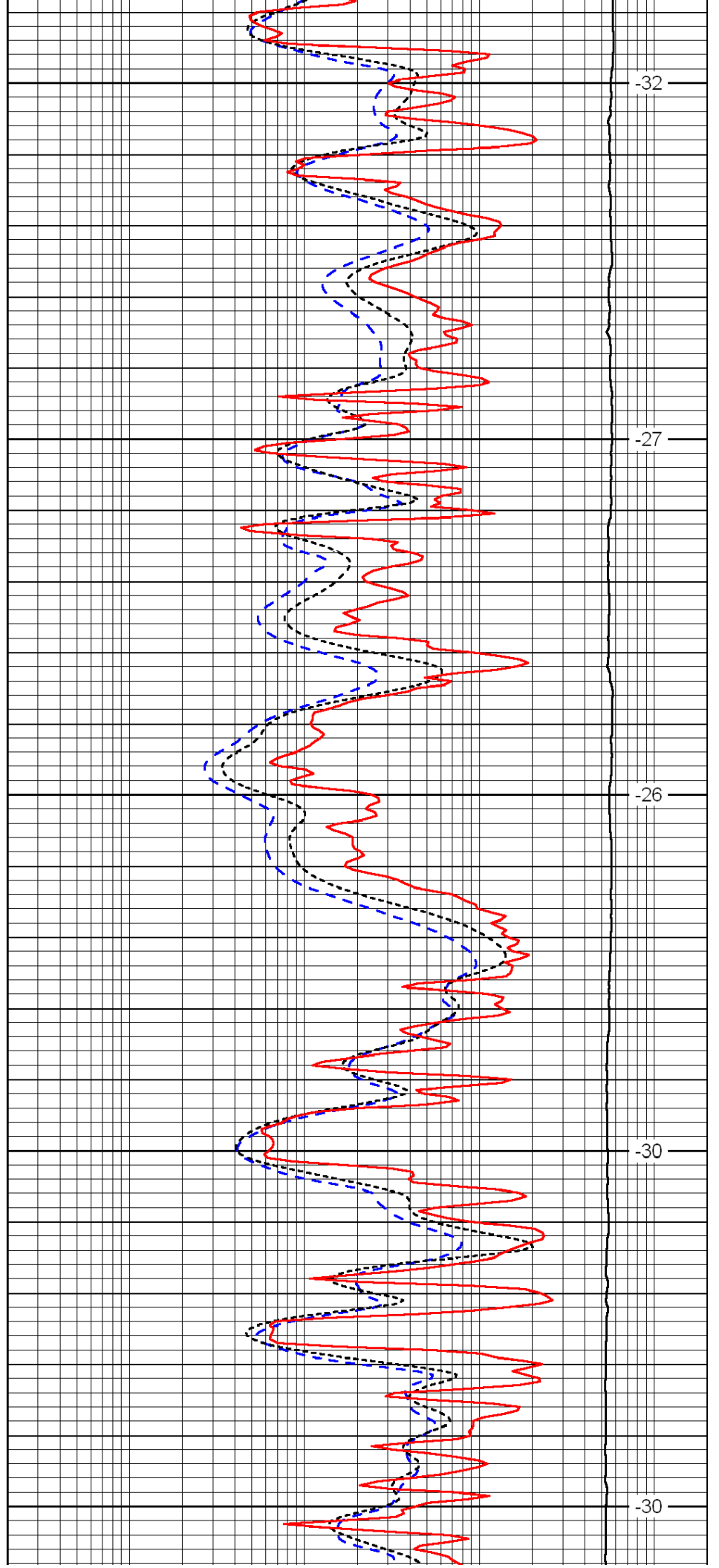
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4000

4050

4100

4150



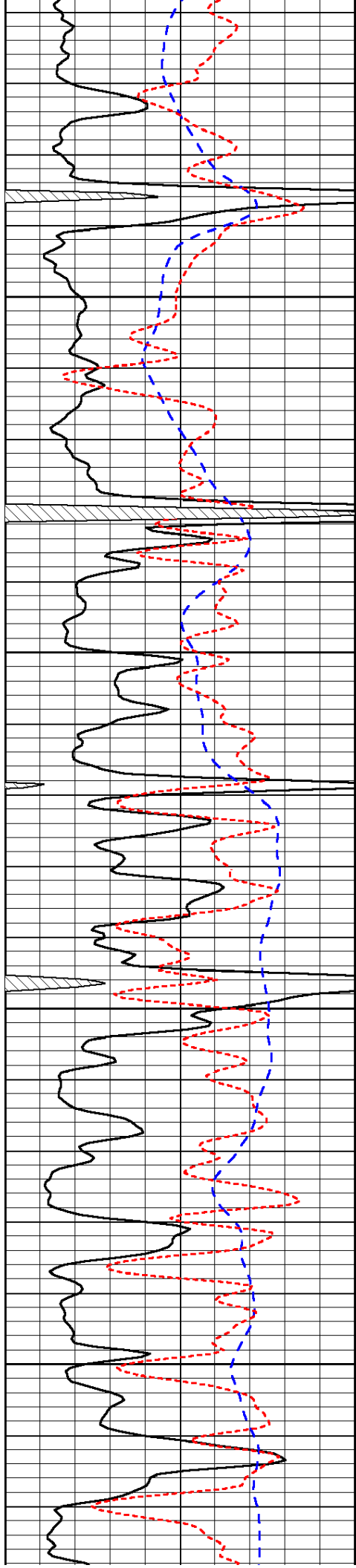
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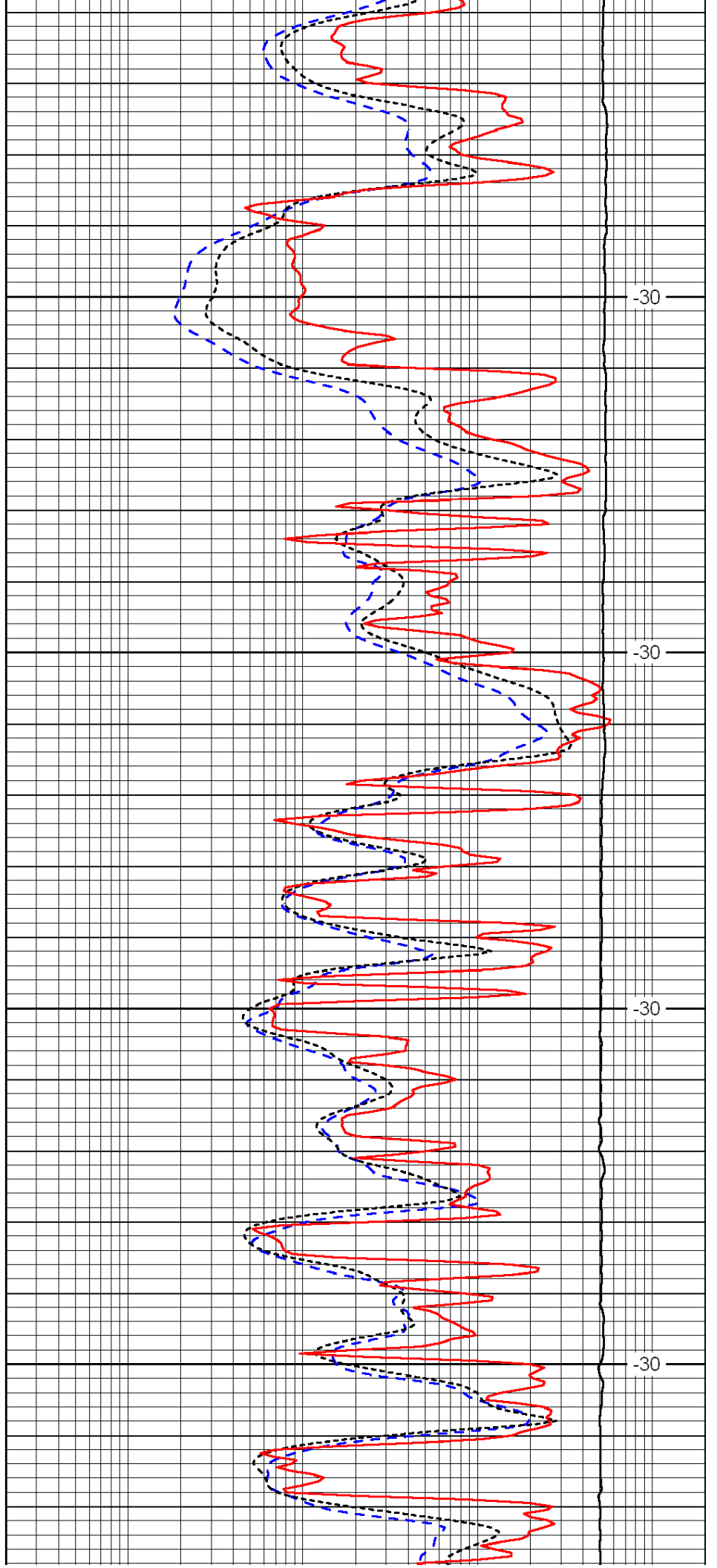


4200

4250

4300

4350

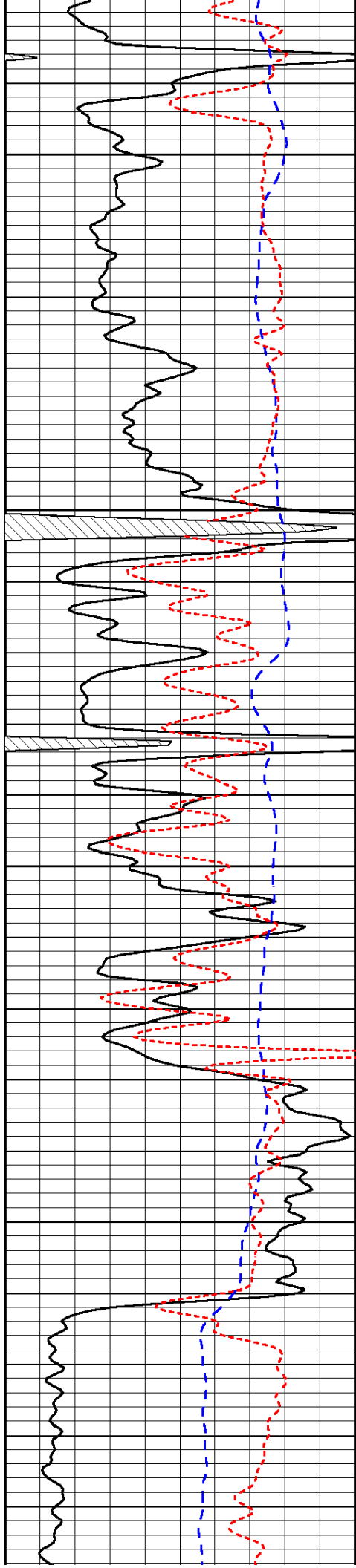


-30

-30

-30

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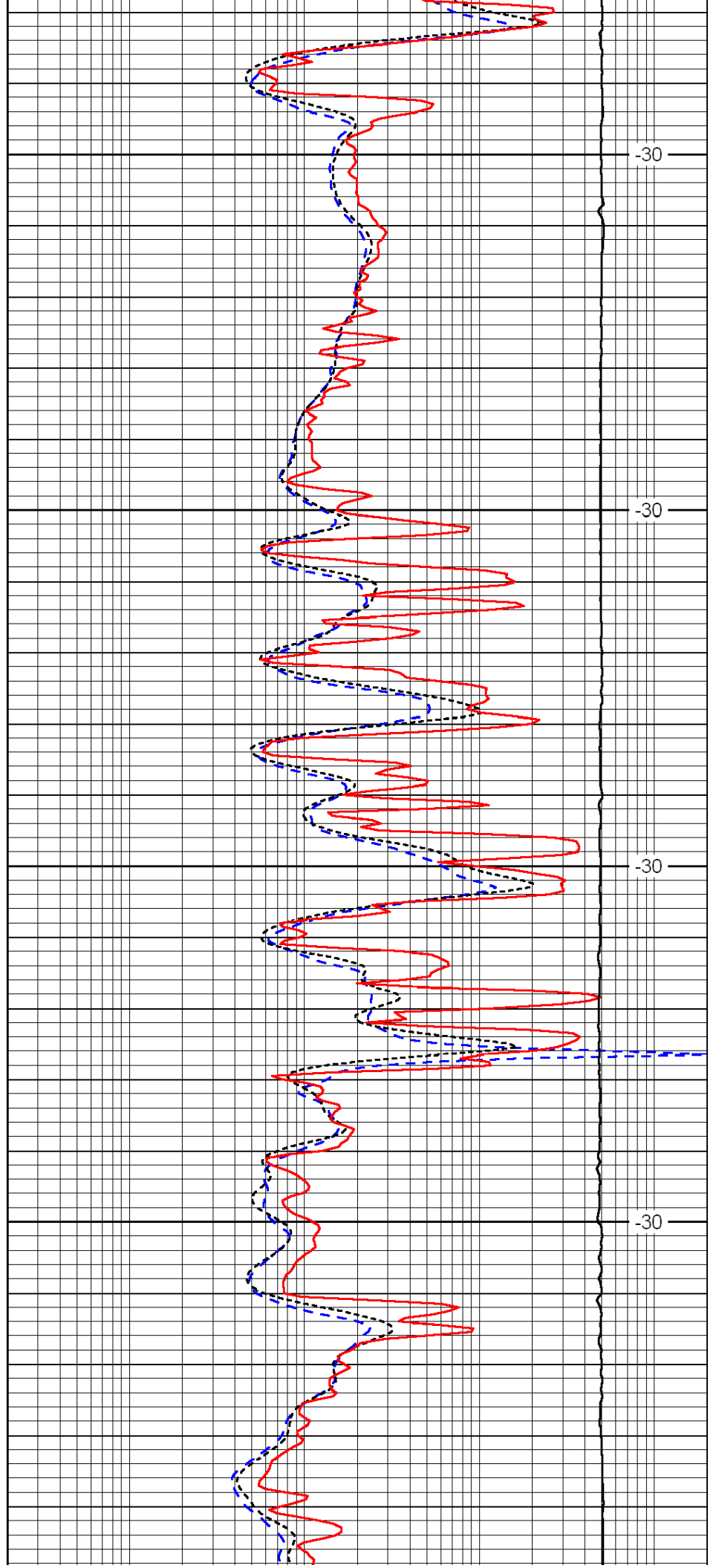


4400

4450

4500

4550

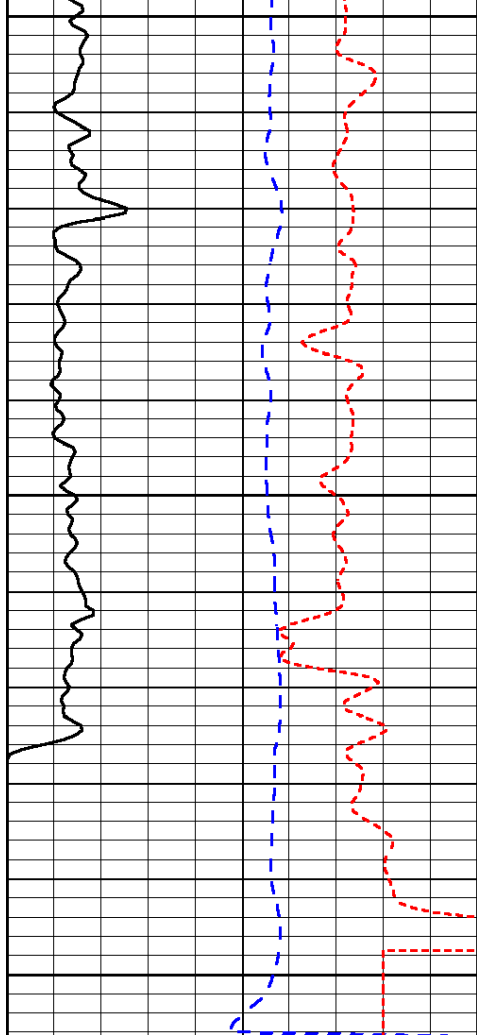


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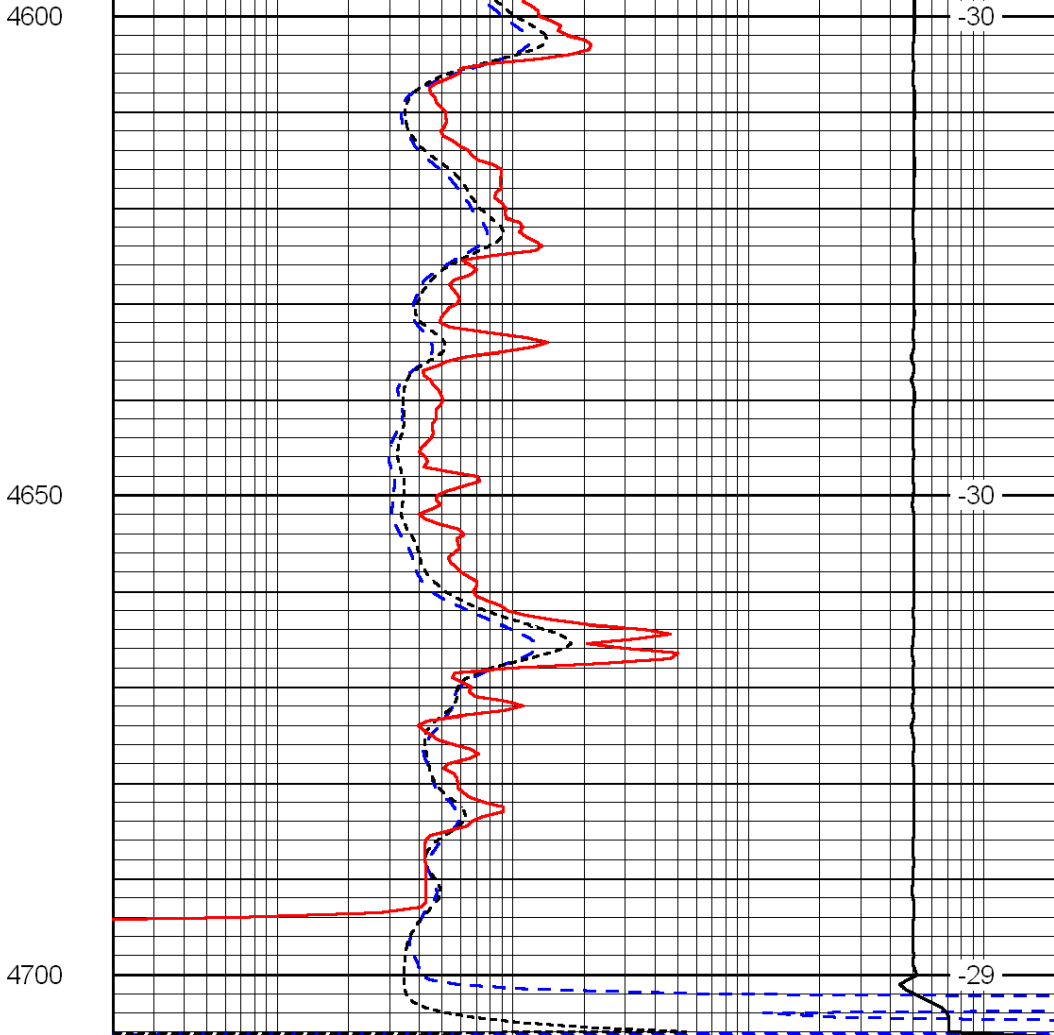
-30

-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



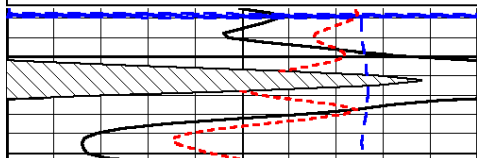
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 Dataset Creation: Sun Aug 28 12:44:03 2011
 Charted by: Depth in Feet scaled 1:240

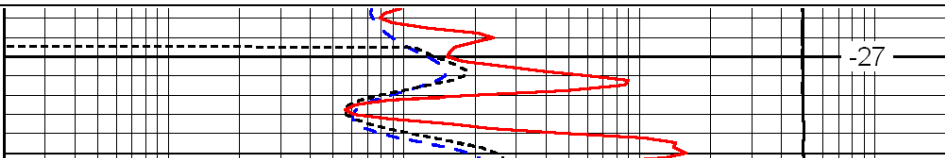
0	Gamma Ray	150
-200	SP (mV)	0
-160	Rxo / Rt	40

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

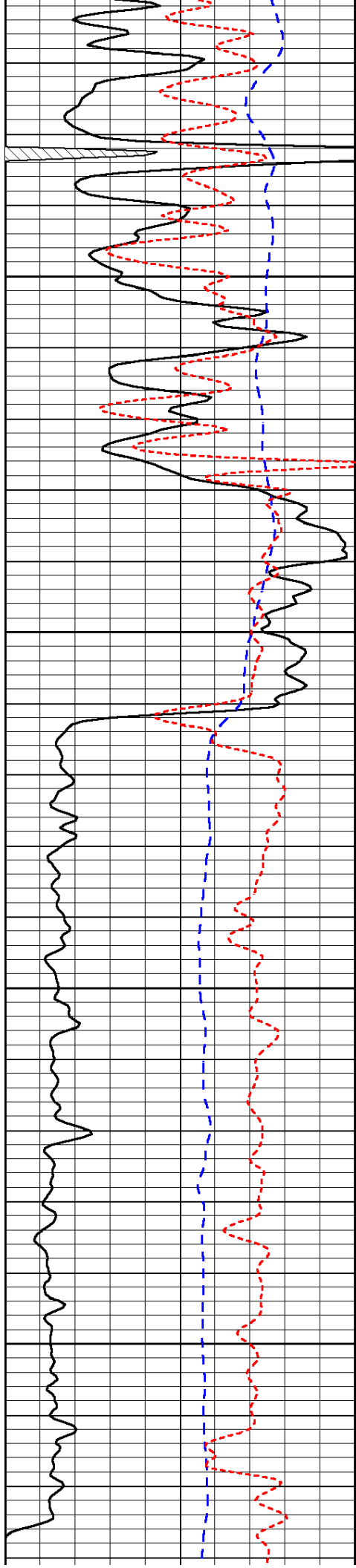
LSPD



4450



-27

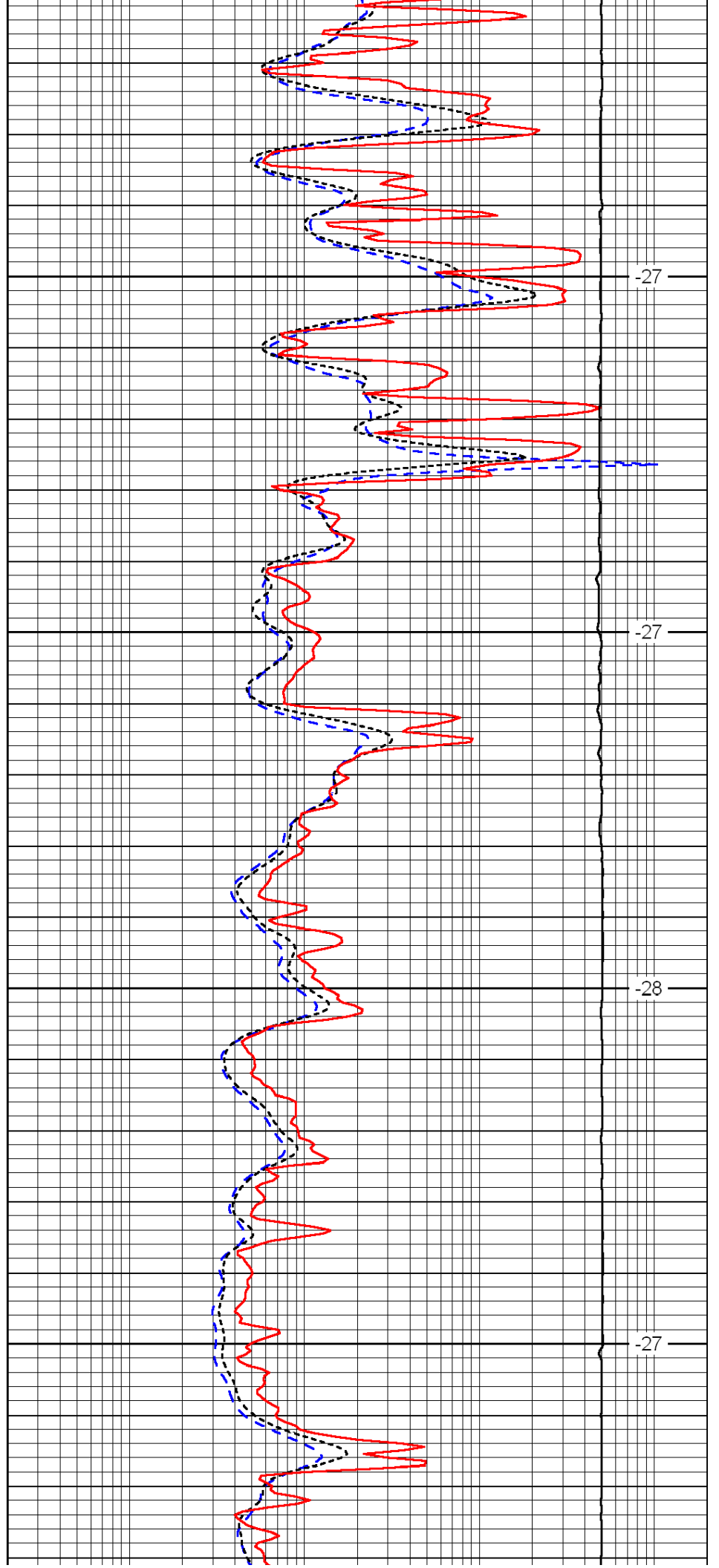


4500

4550

4600

4650

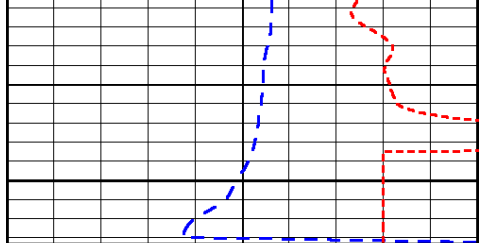


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-27

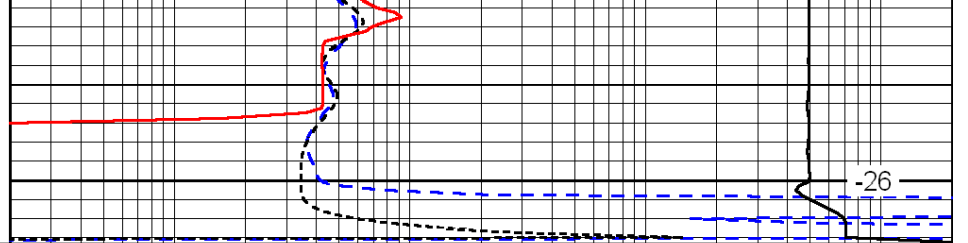
-28

-27



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

4700



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

LSPD