



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No. 15-065-23,509-00-00

Company **Murfin Drilling Company, Inc.**
 Well **Sears McValler No. 1-19**
 Field **Nora**
 County **Graham** State **Kansas**

Location **E/2 - NW - SE - NW
1650' FNL & 1850' FWL**

Sec: **19** Twp: **10 S** Rge: **21 W**

Permanent Datum **Ground Level** Elevation **2257**
 Log Measured From **Kelly Bushing** 5 Ft. Above Perm. Datum
 Drilling Measured From **Kelly Bushing**

Other Services
 CNL/CDL
 MEL/BHCS
 Elevation
 K.B. 2262
 D.F. 2257
 G.L. 2257

Date	12/5/2008
Run Number	One
Depth Driller	4003
Depth Logger	4003
Bottom Logged Interval	4002
Top Log Interval	0
Casing Driller	8.625 @ 219
Casing Logger	218
Bit Size	7.975
Type Fluid in Hole	Chemical
Salinity, ppm CL	2.600
Density / Viscosity	9.1 62
pH / Fluid Loss	11.5 6.4
Source of Sample	Flowline
Rm @ Meas. Temp	1.30 @ 50
Rmf @ Meas. Temp	0.98 @ 50
Rmc @ Meas. Temp	1.76 @ 50
Source of Rmf / Rmc	Charts
Rm @ BHT	0.56 @ 116
Operating Rig Time	5 Hours
Max Rec. Temp. F	116
Equipment Number	15
Location	Hays
Recorded By	B. Becker
Witnessed By	Kent Crisler

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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
 Ellis, Ks; North to CC Rd; 7 West to 350th;
 1/2 North; West Into

Database File: c:\warrior\data\murfin_sears mcvaller no. 1-19\murfinhd.db
 Dataset Pathname: DIL/murfstk
 Presentation Format: dil2in
 Dataset Creation: Fri Dec 05 15:11:18 2008
 Charted by: Depth in Feet scaled 1:600

0 Gamma Ray 150
-200 SP 0

0 Shallow Resistivity 50
0 Deep Resistivity 50

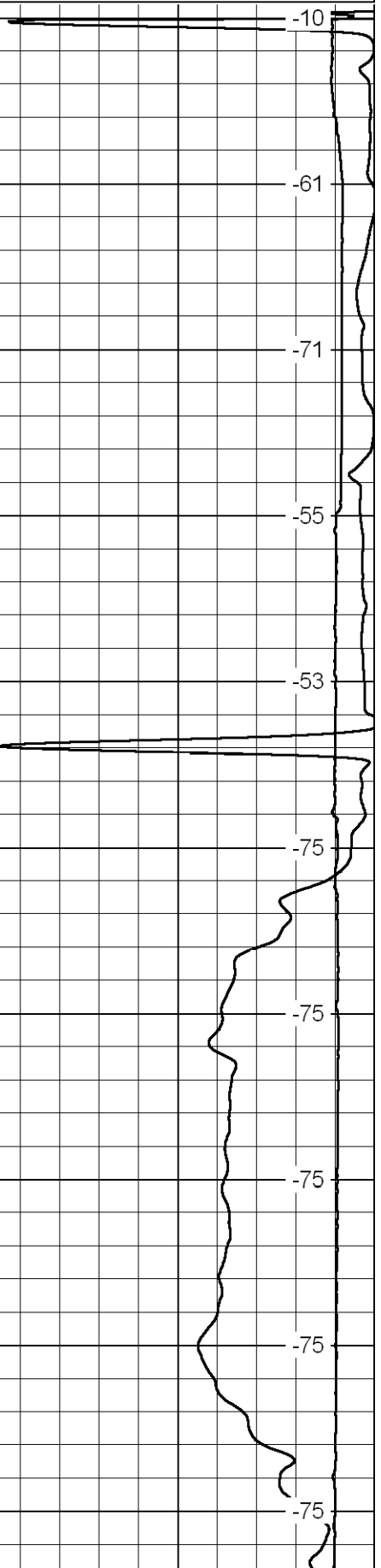
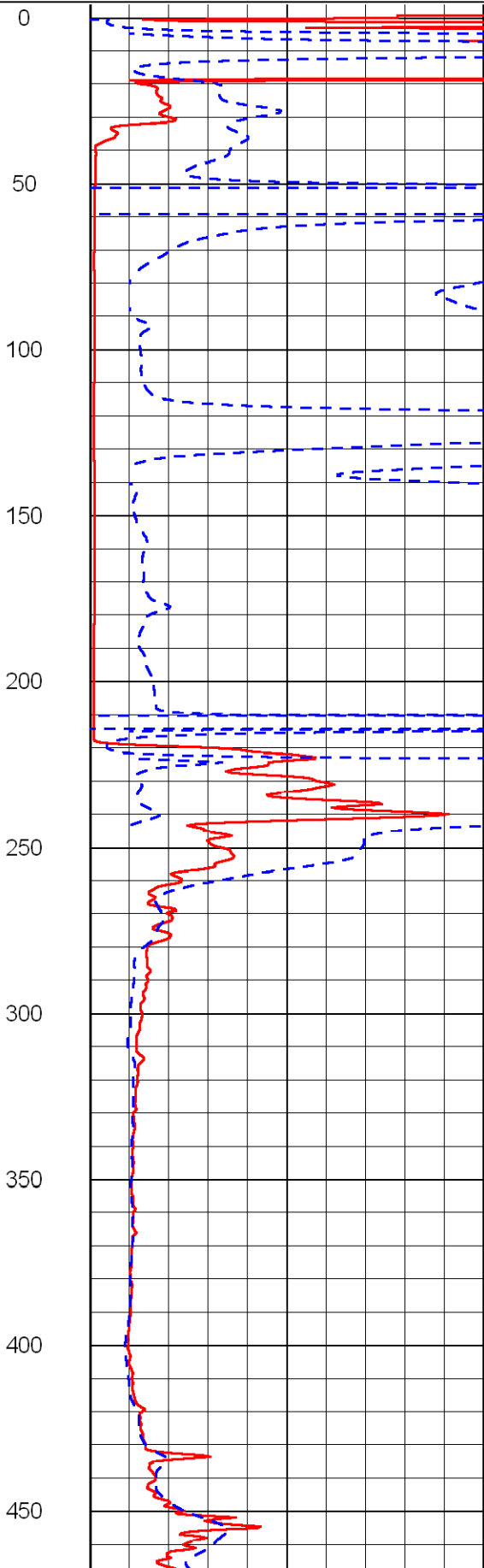
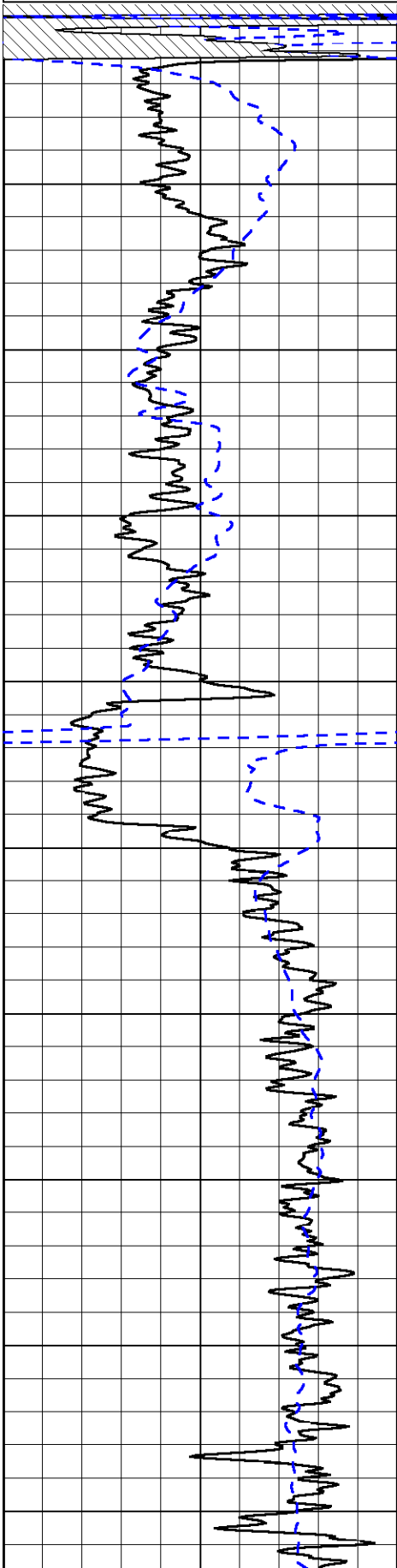
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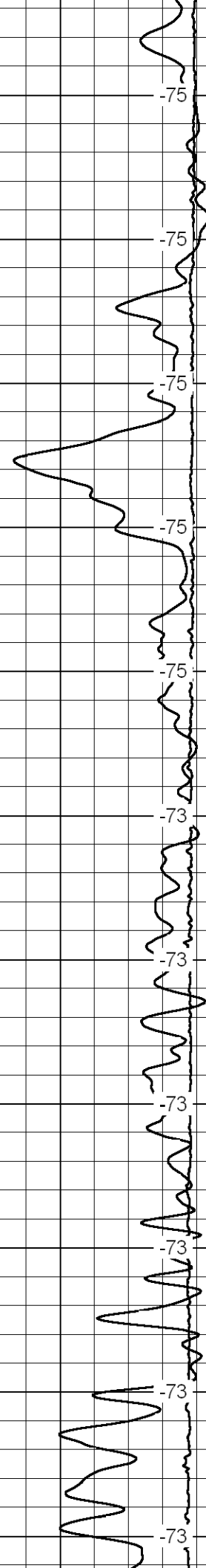
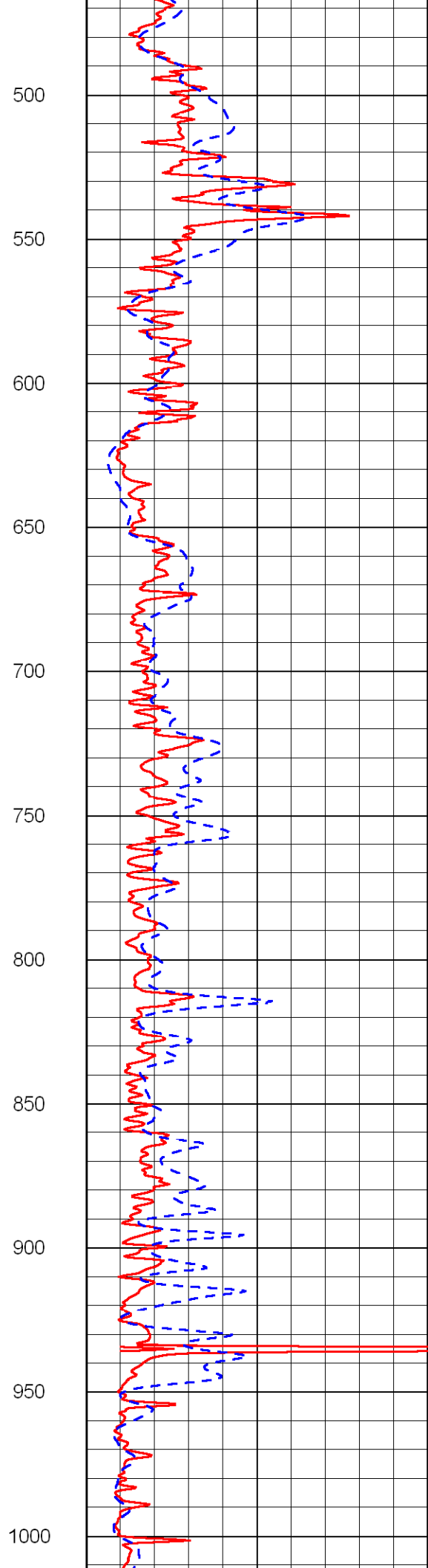
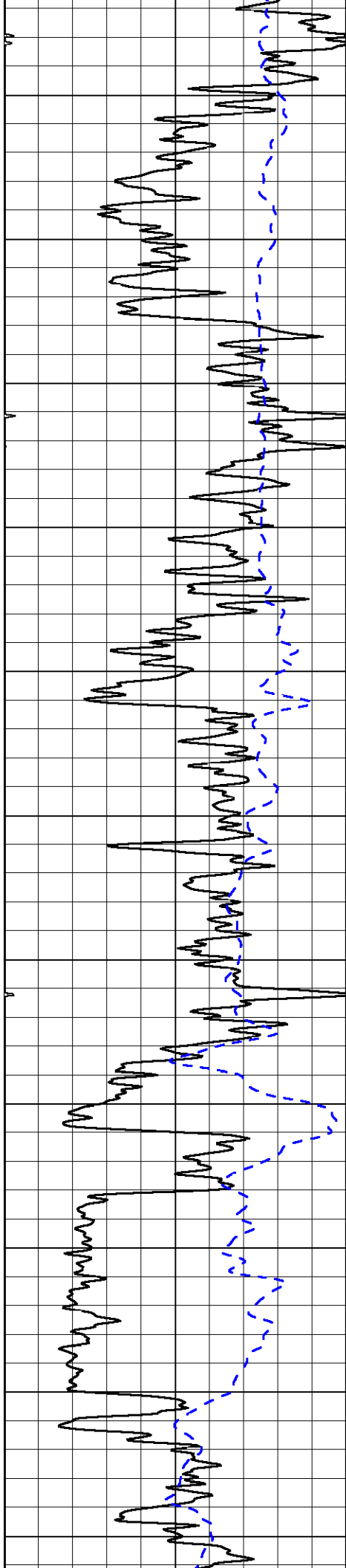
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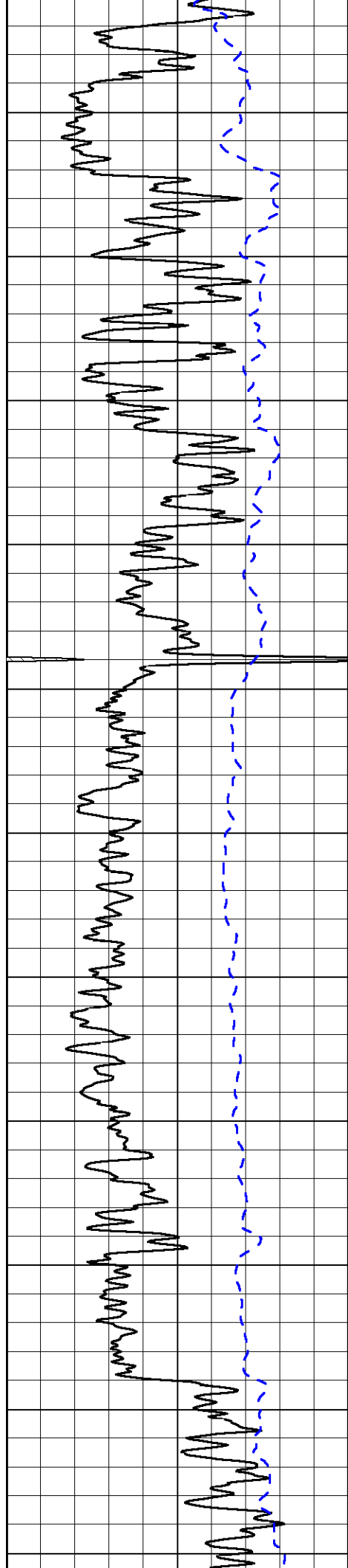
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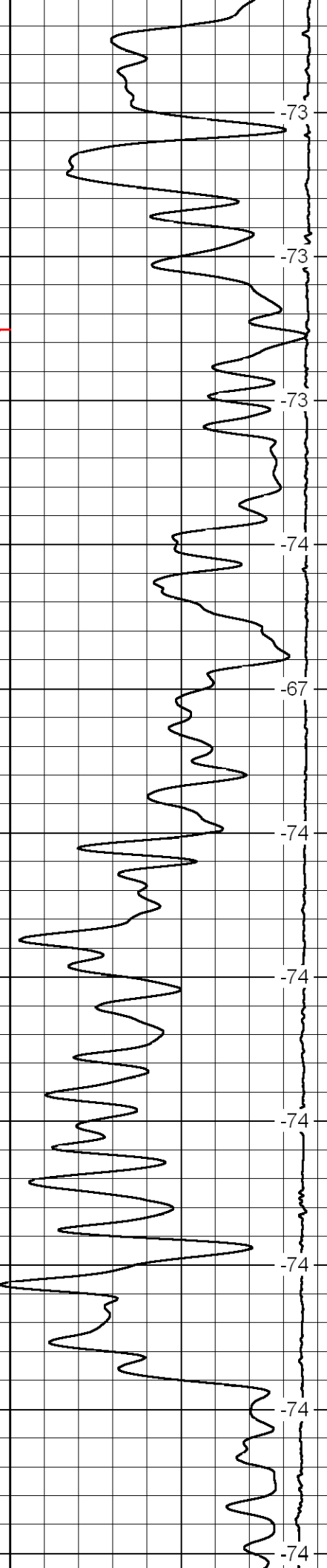
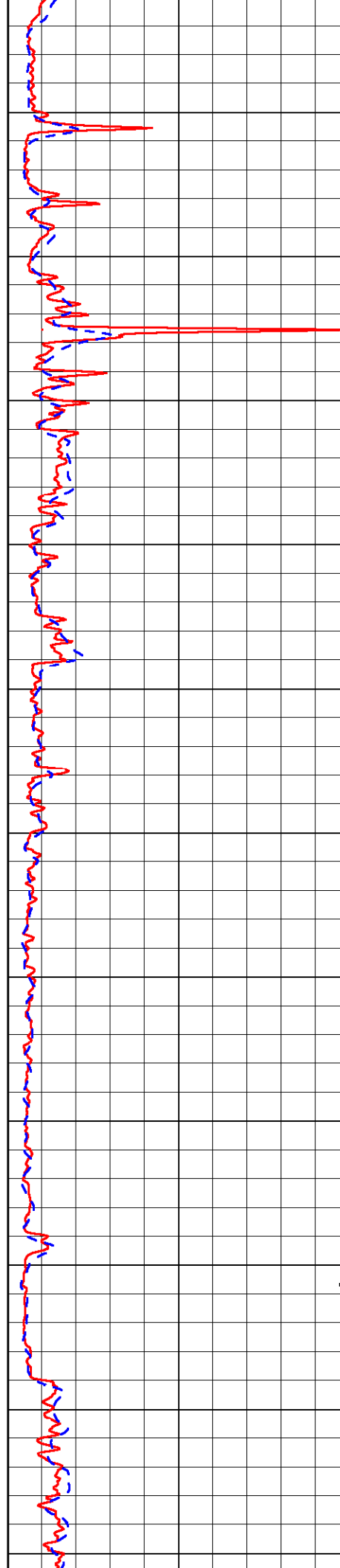
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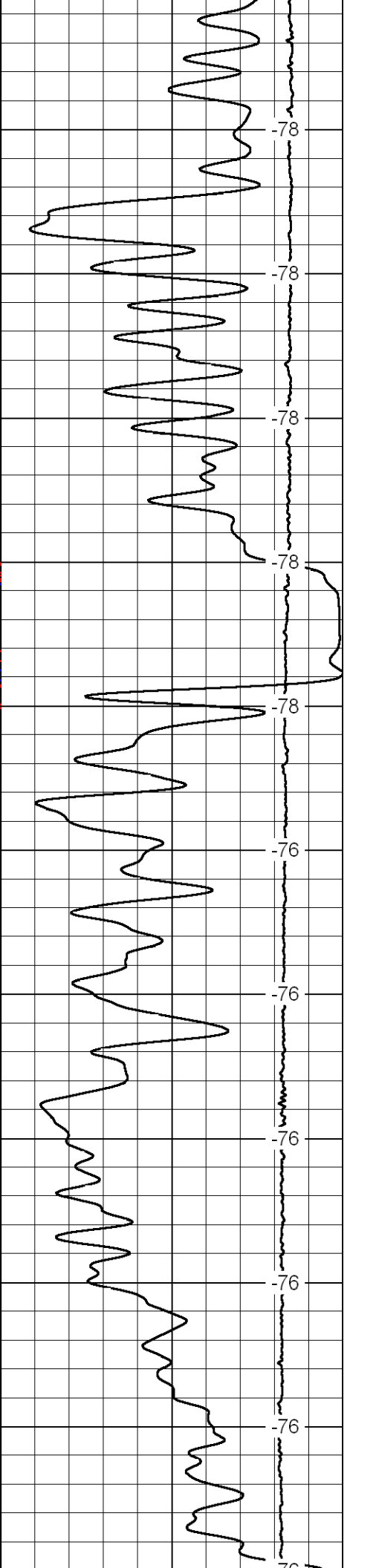
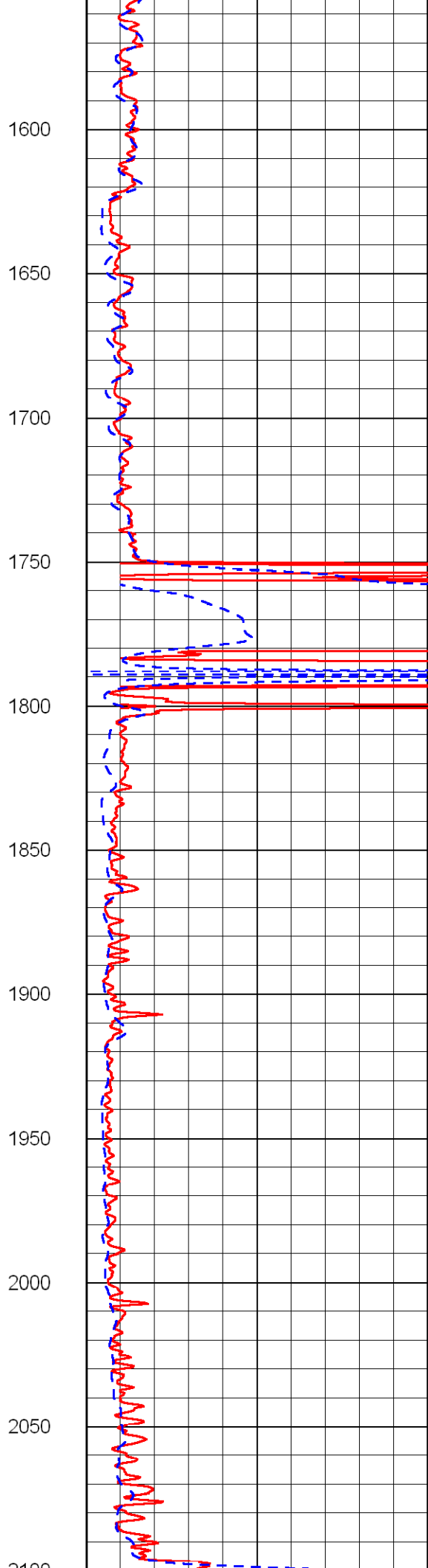
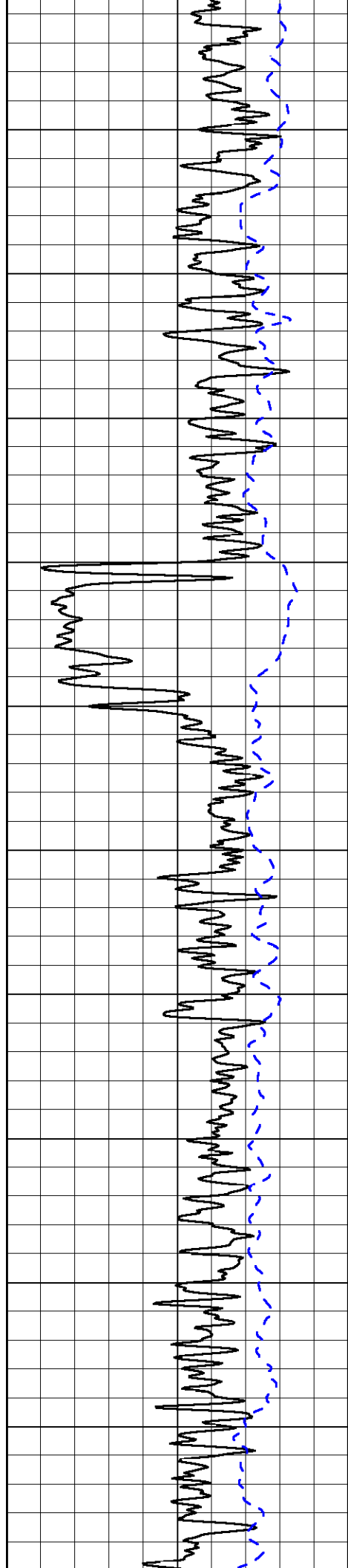


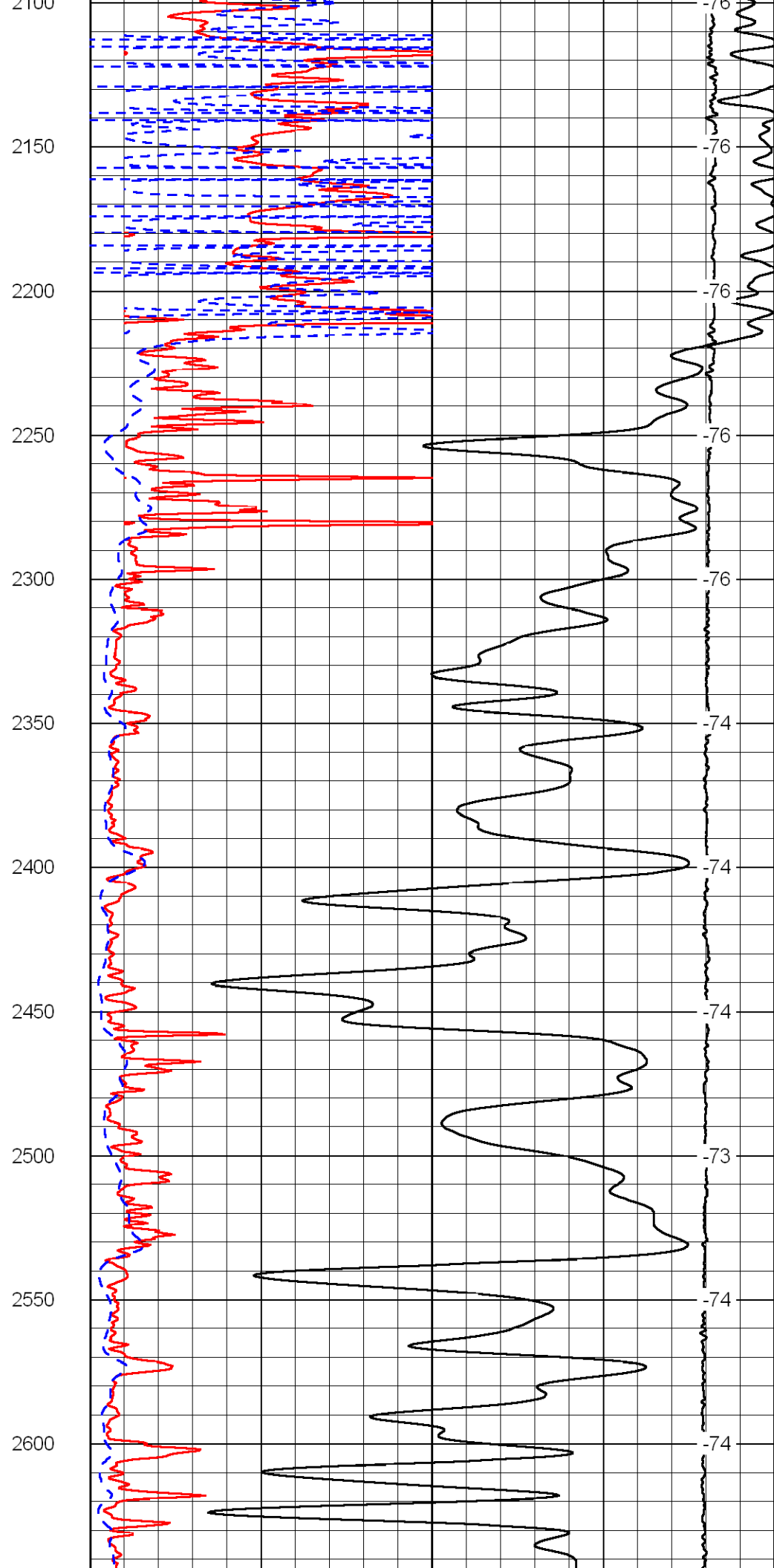
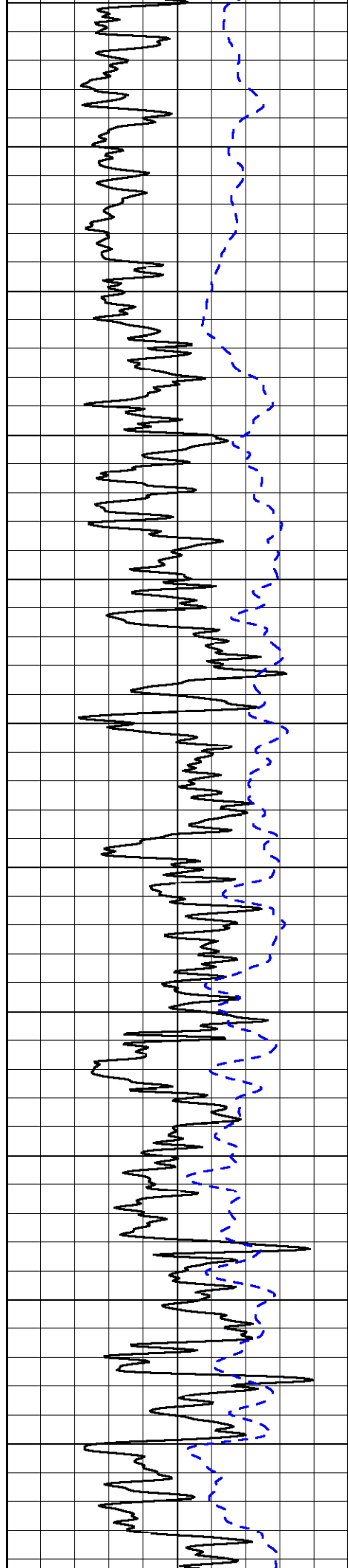


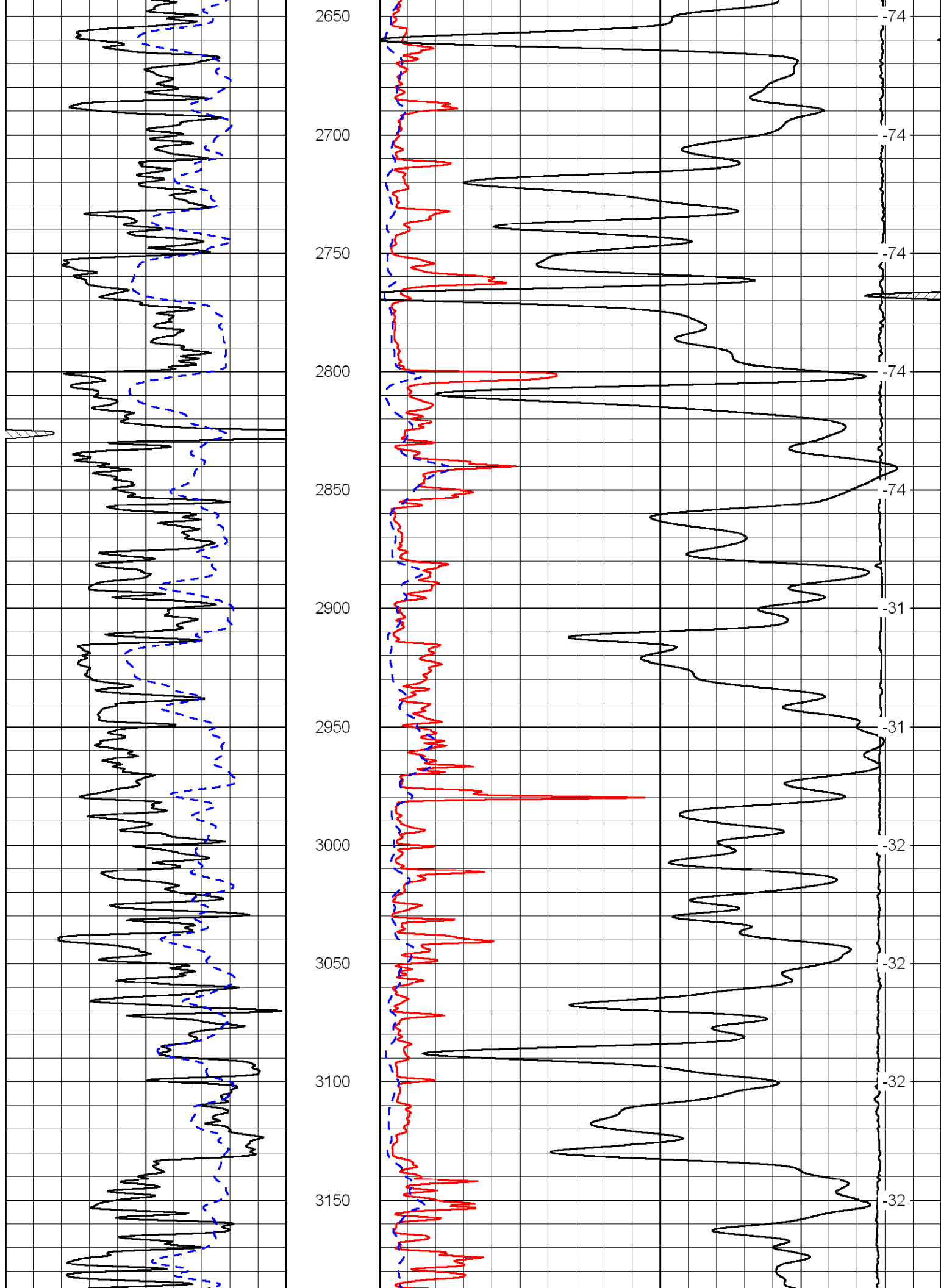
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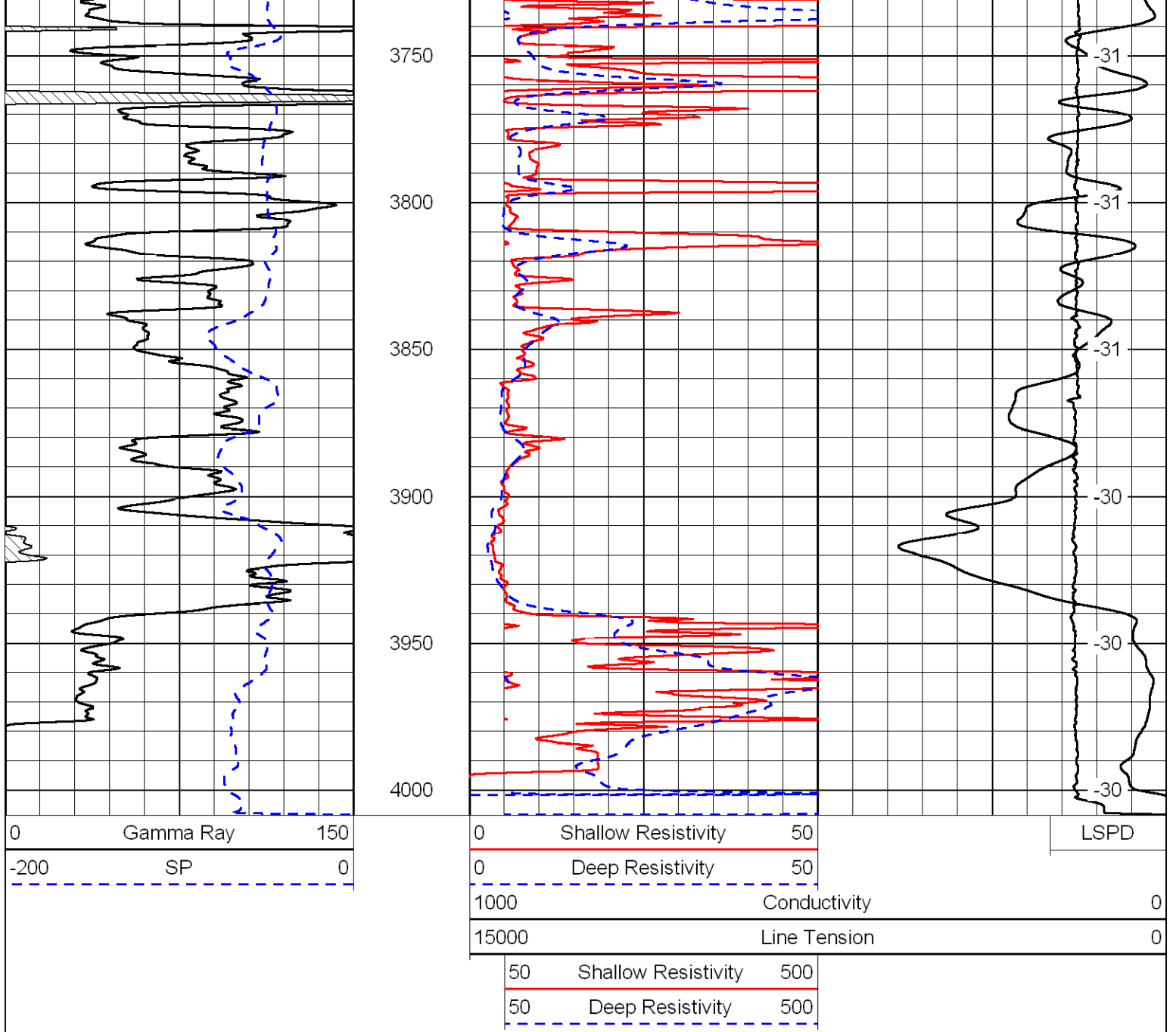


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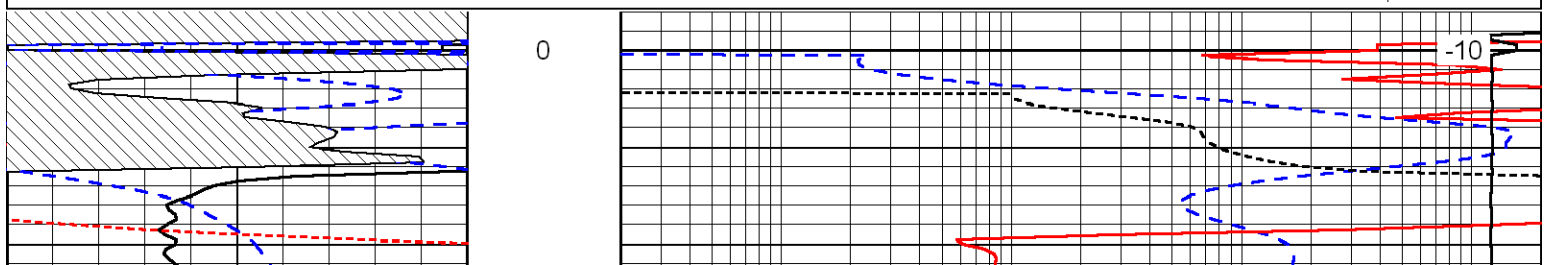
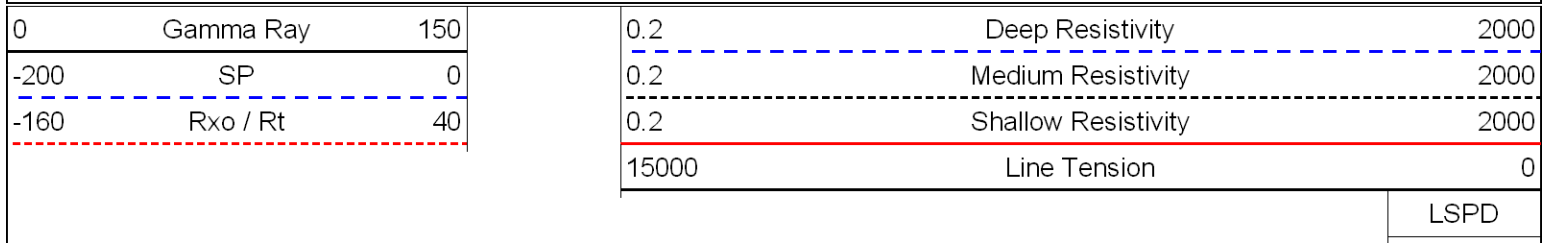


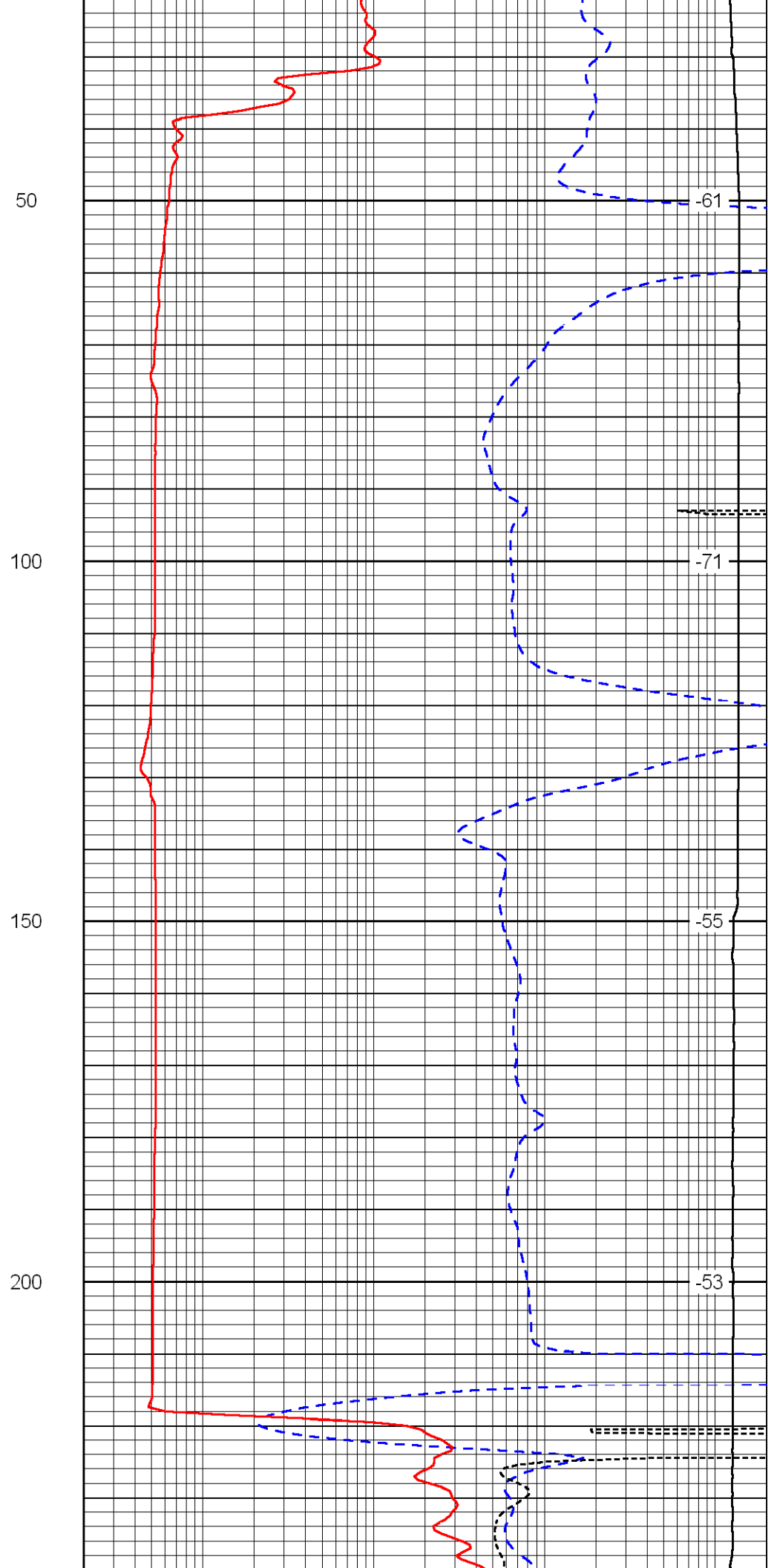
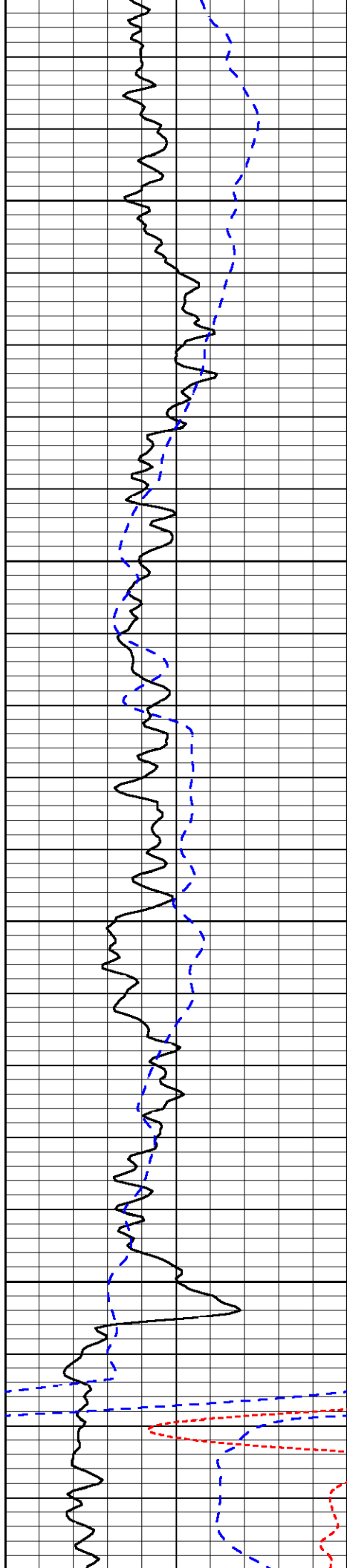


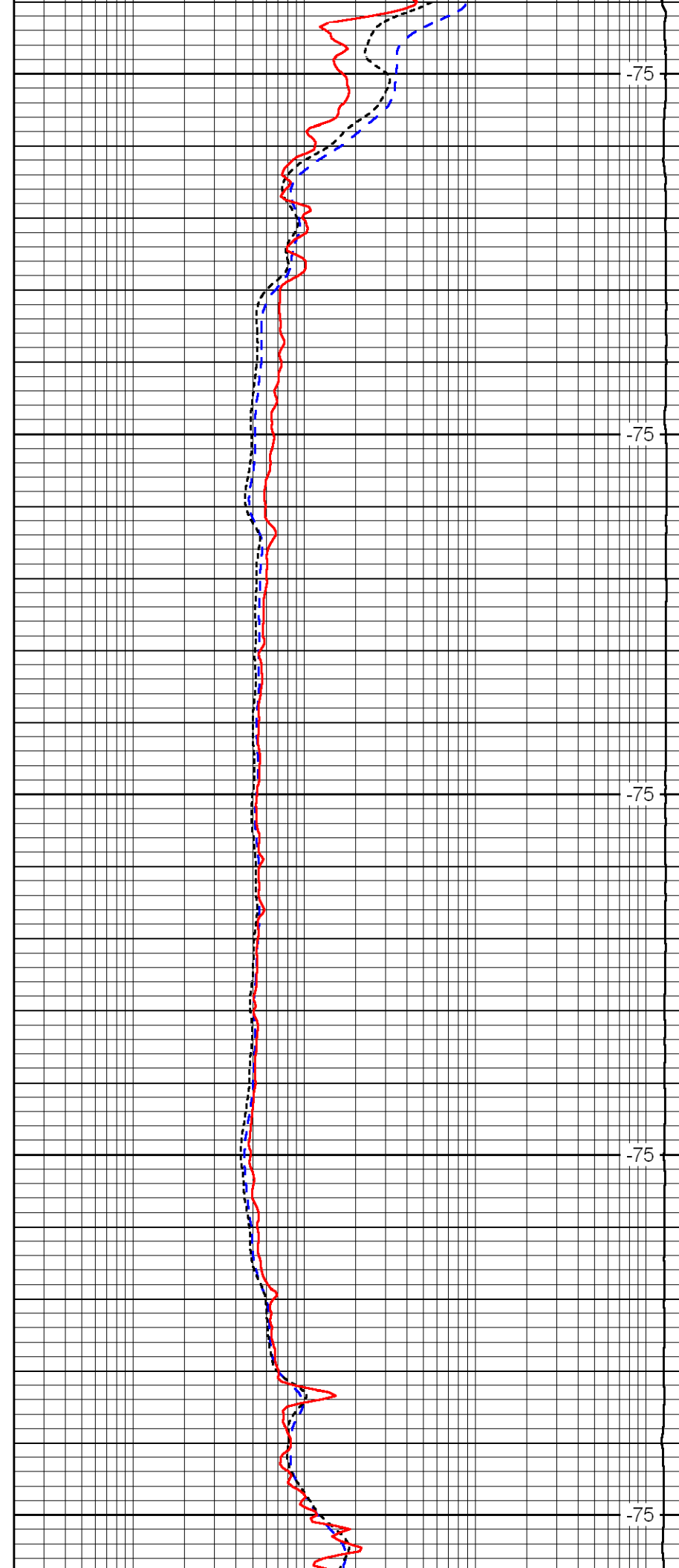
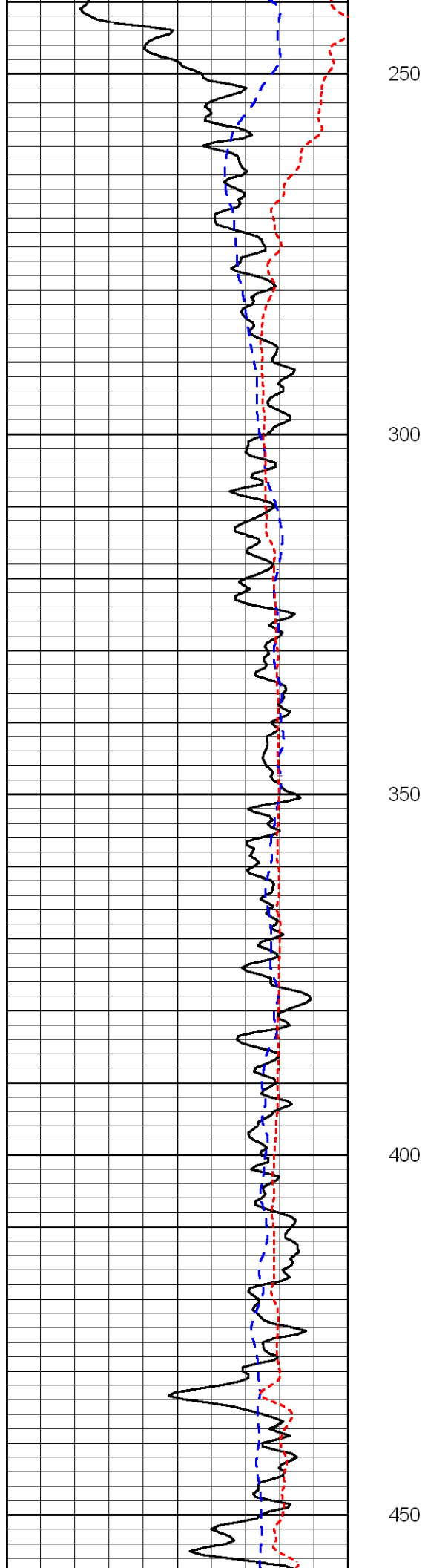


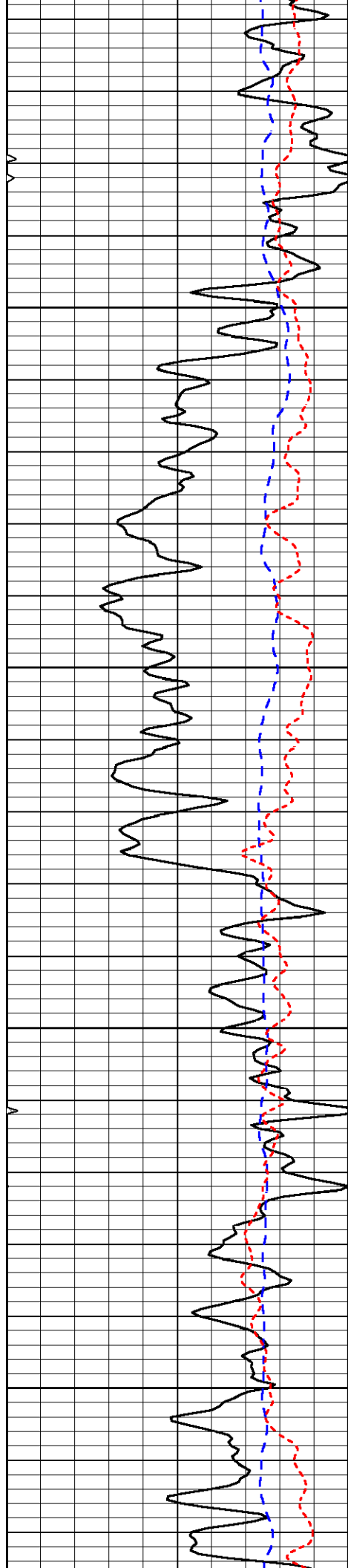


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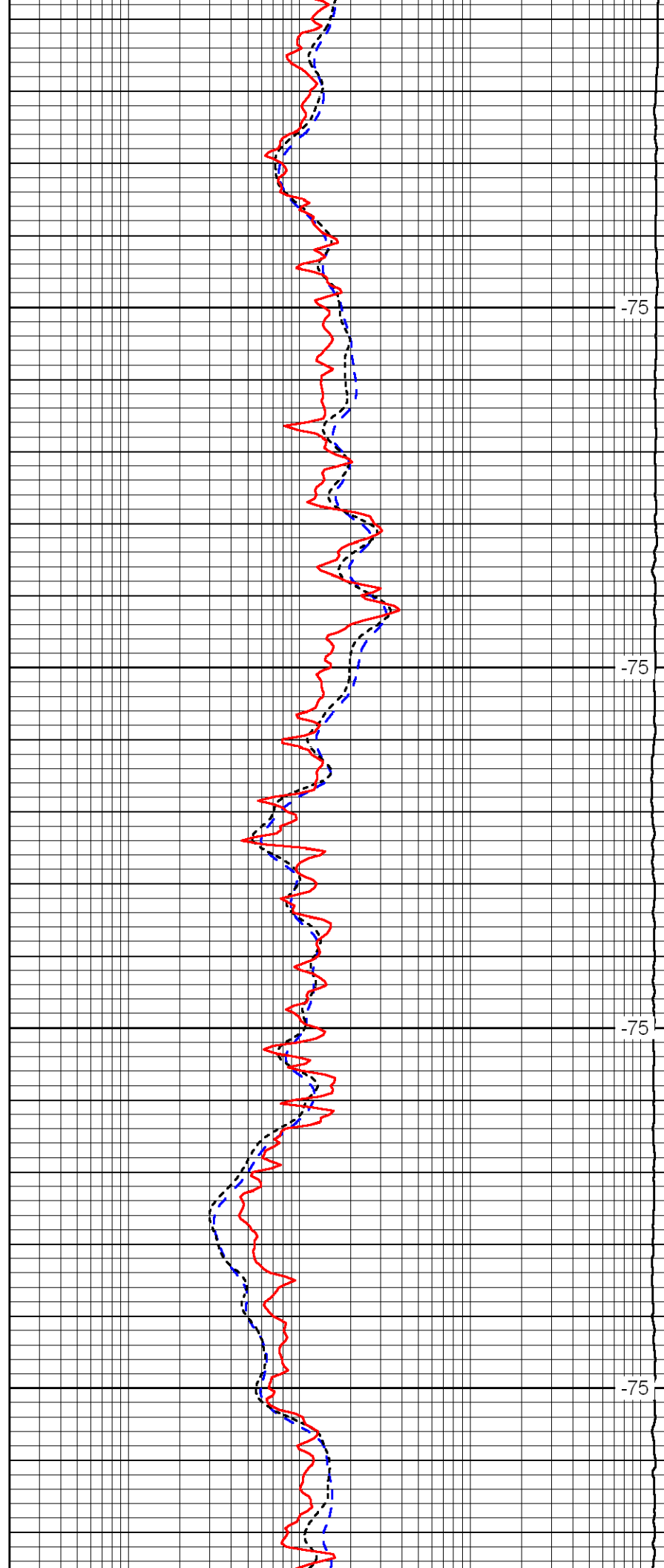


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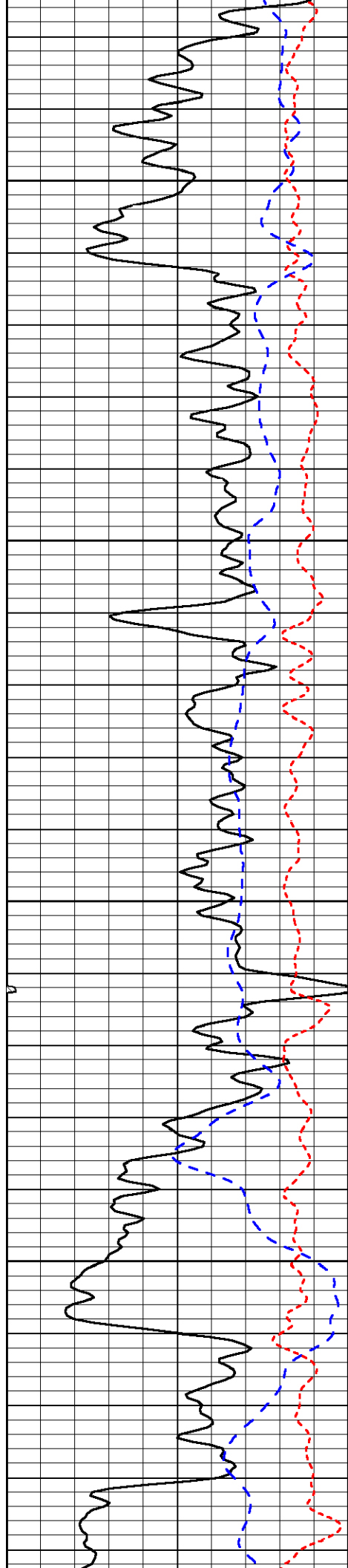


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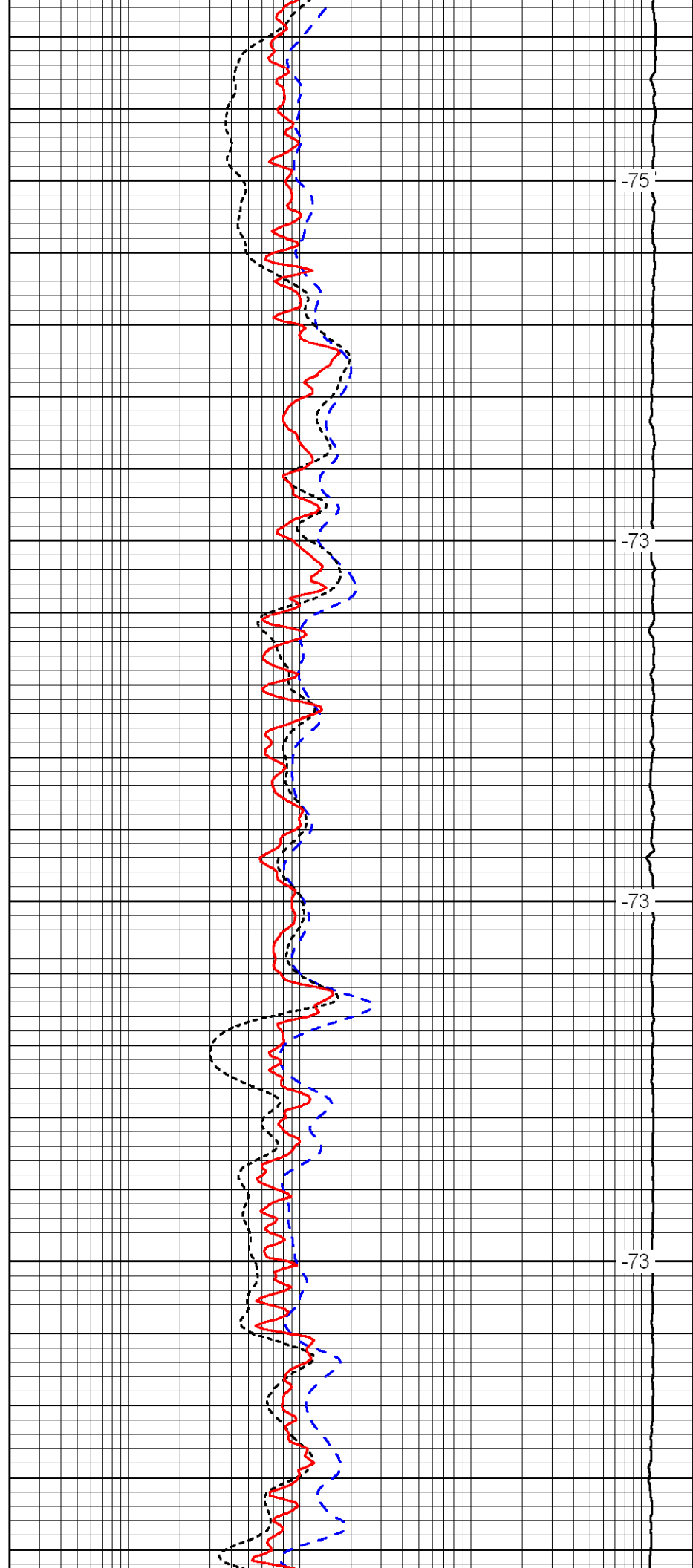


700

750

800

850

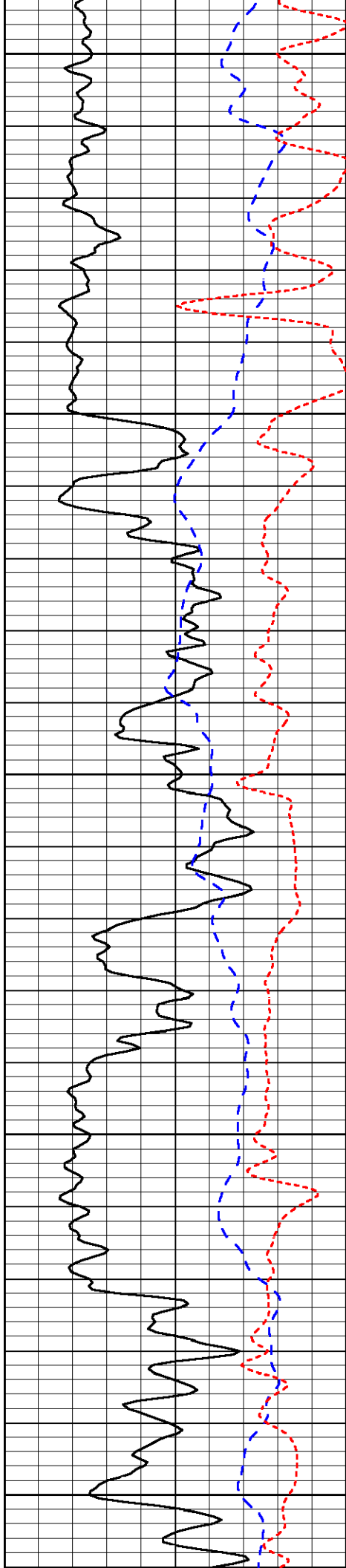


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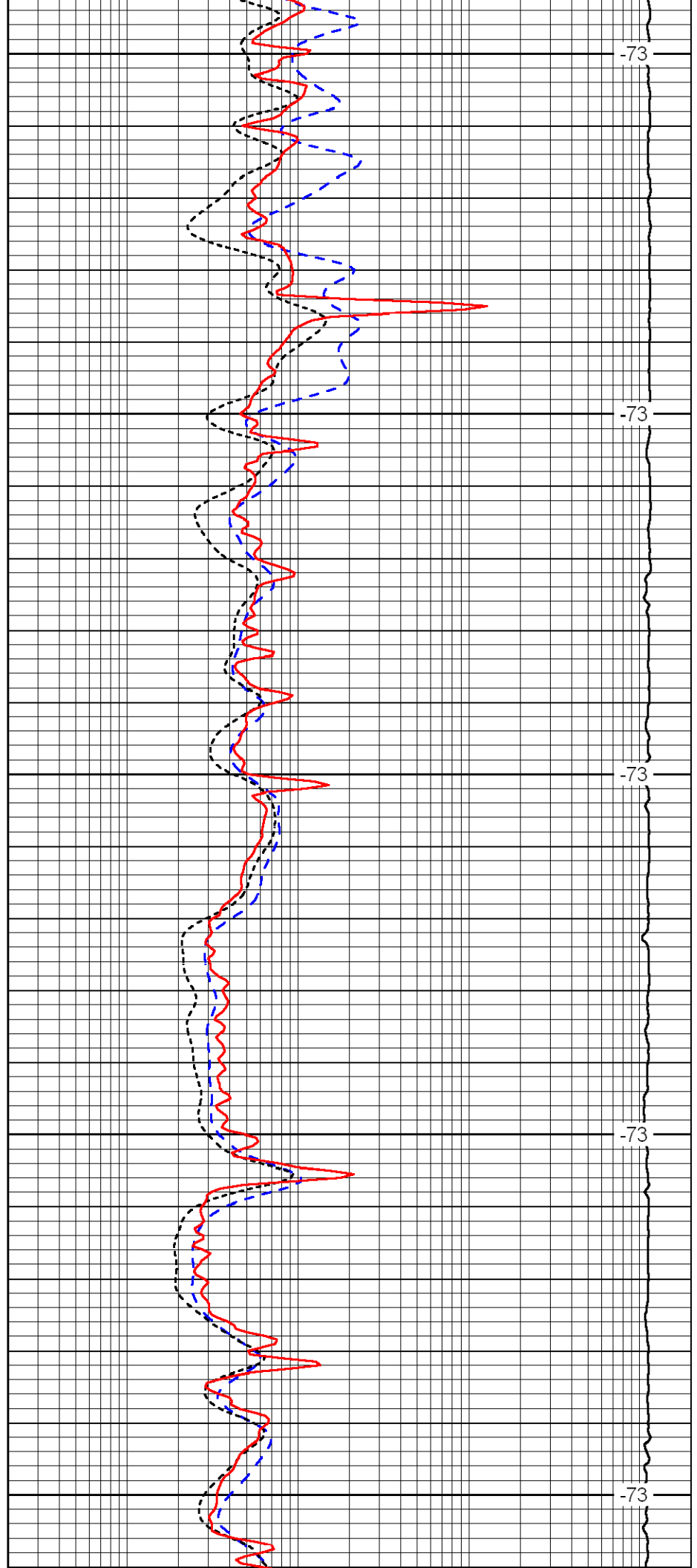
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1000

1050

1100



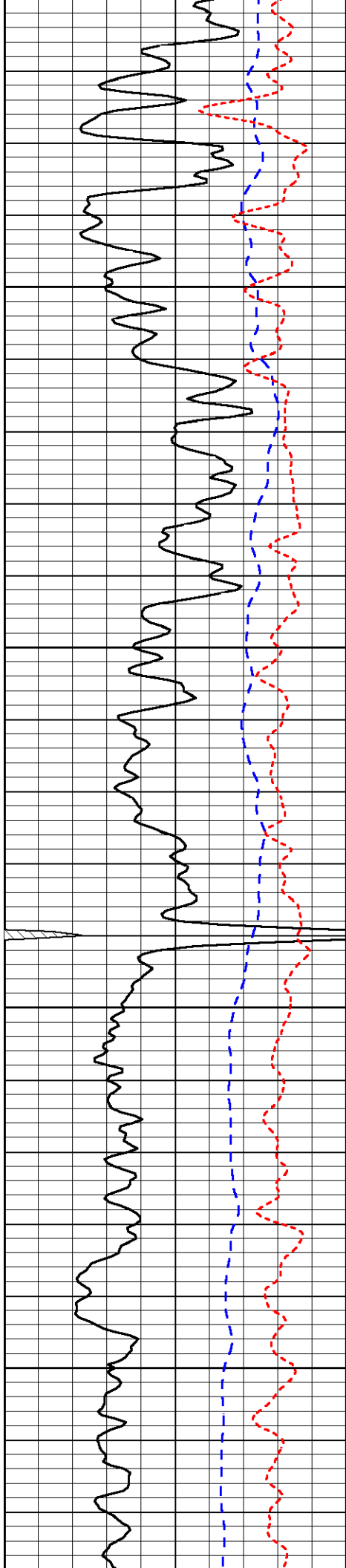
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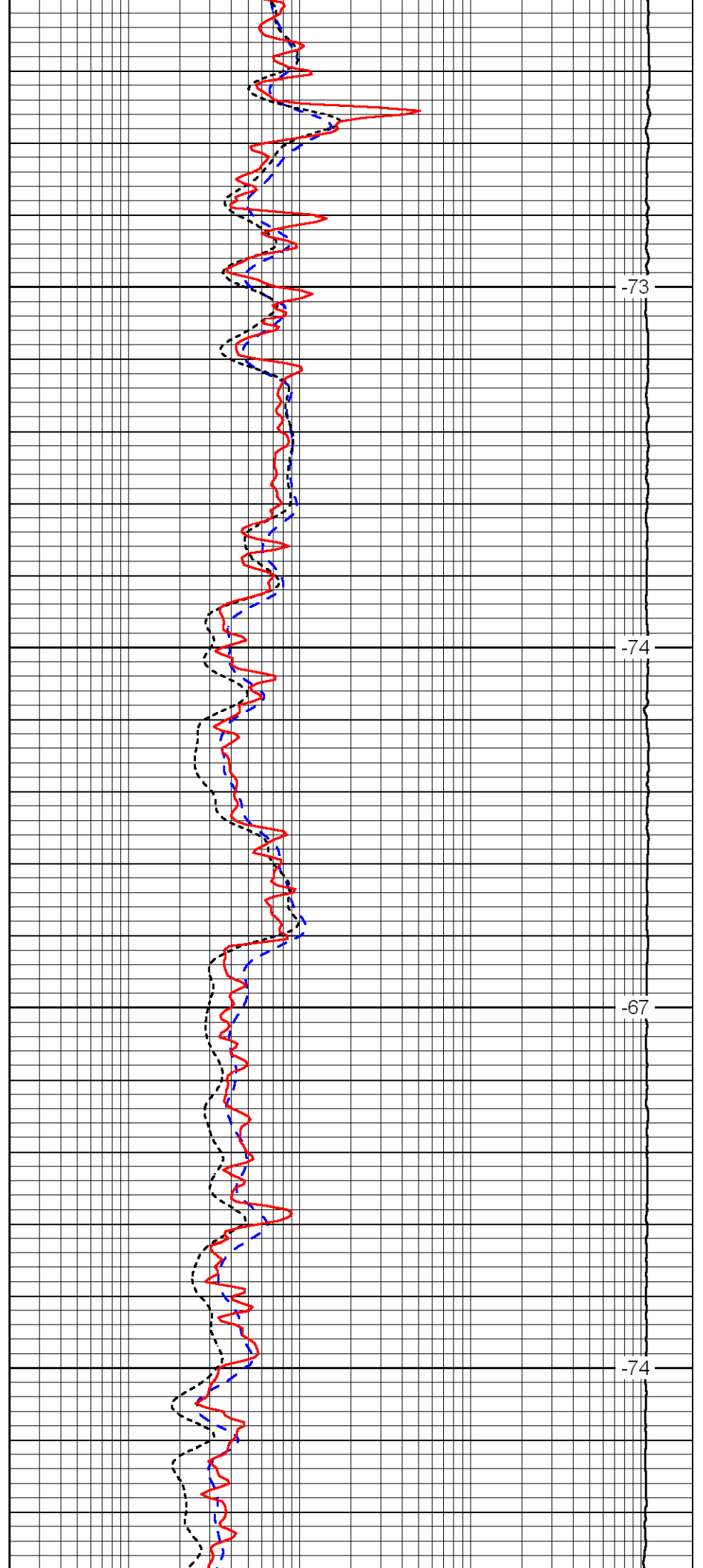


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1200

1250

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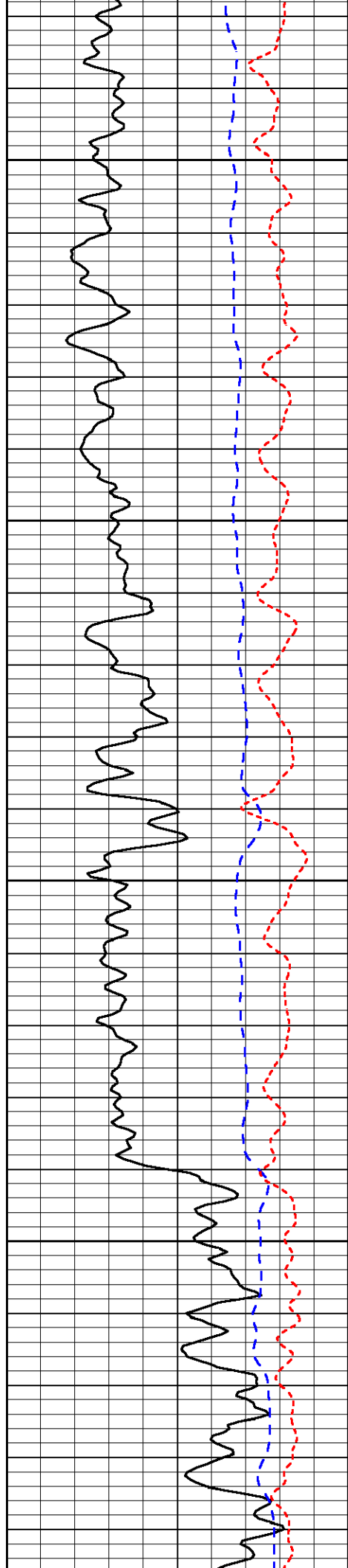


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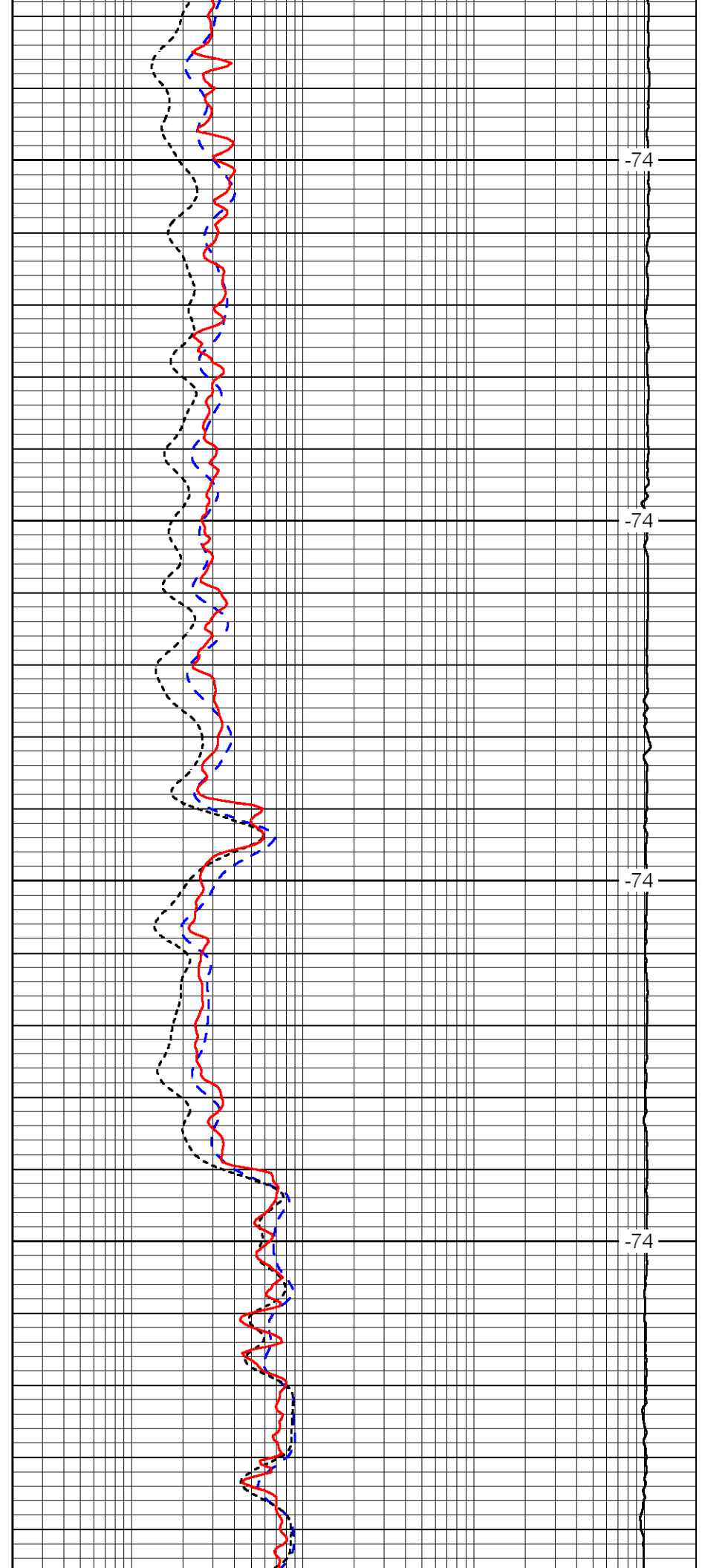


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1500

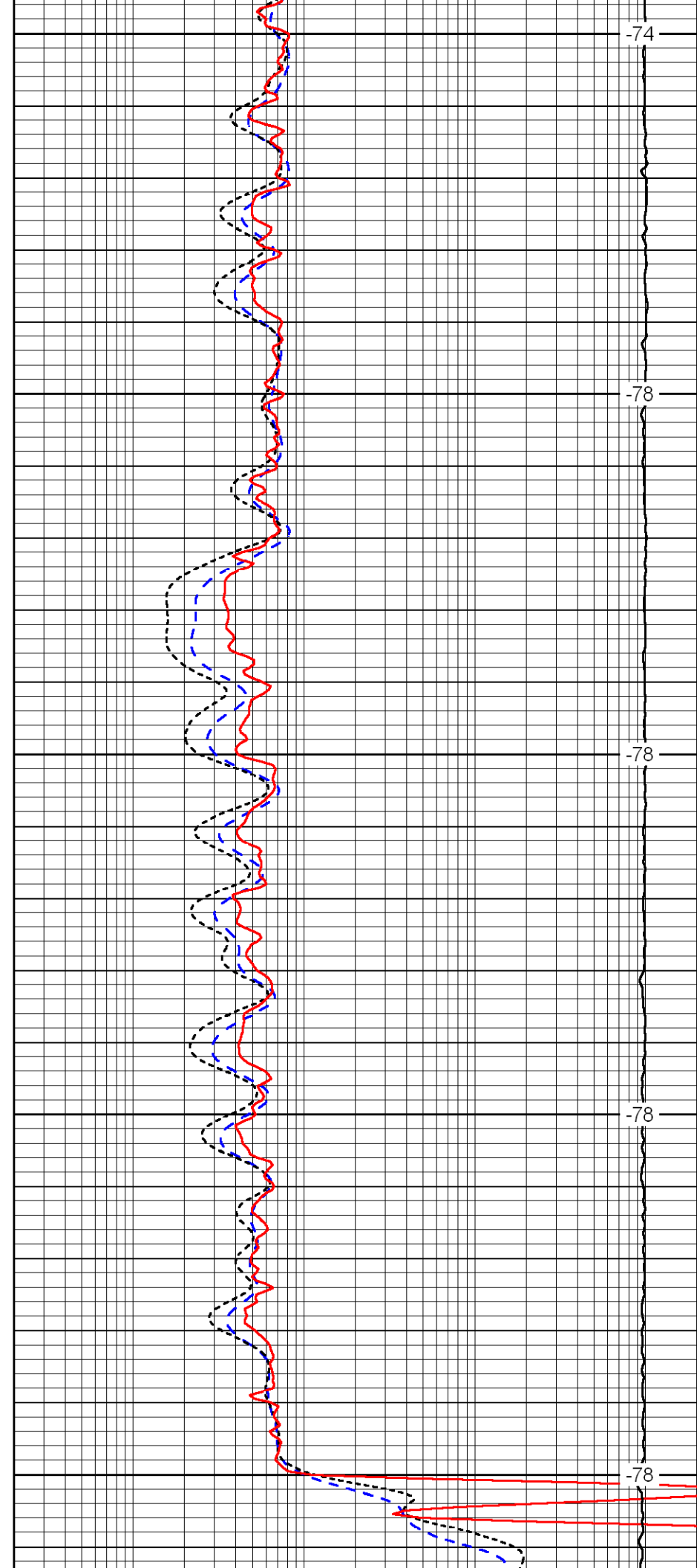
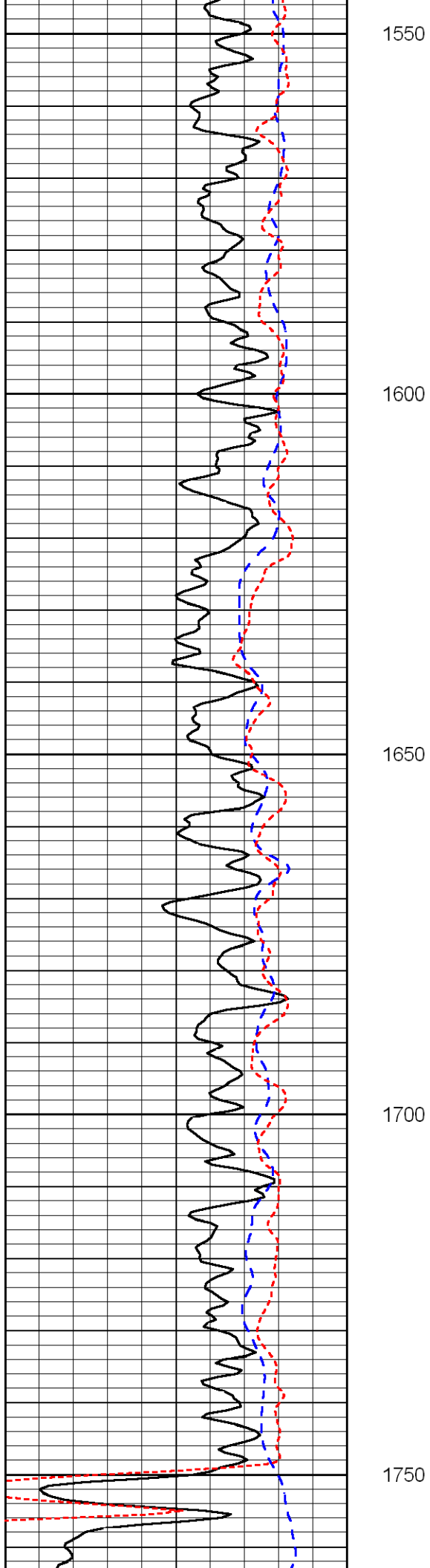


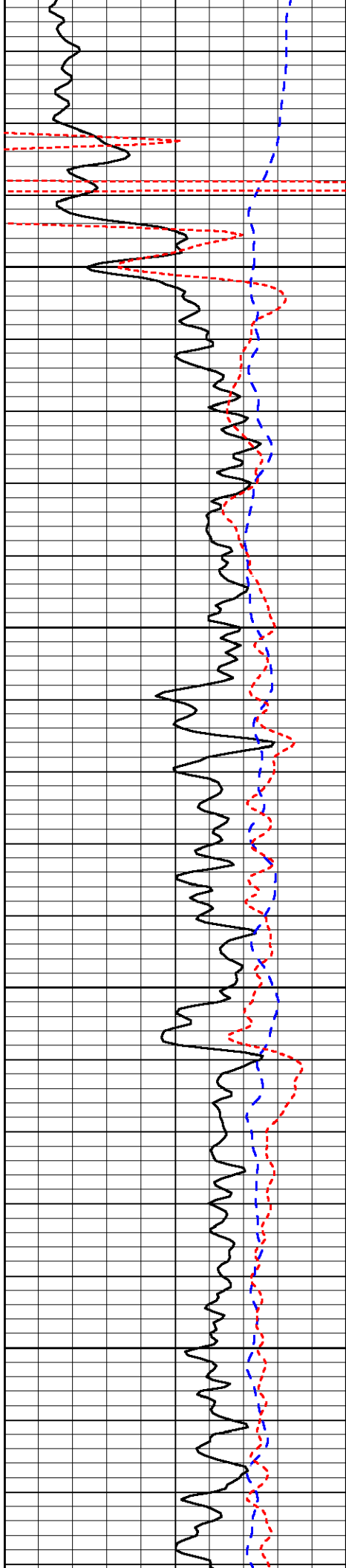
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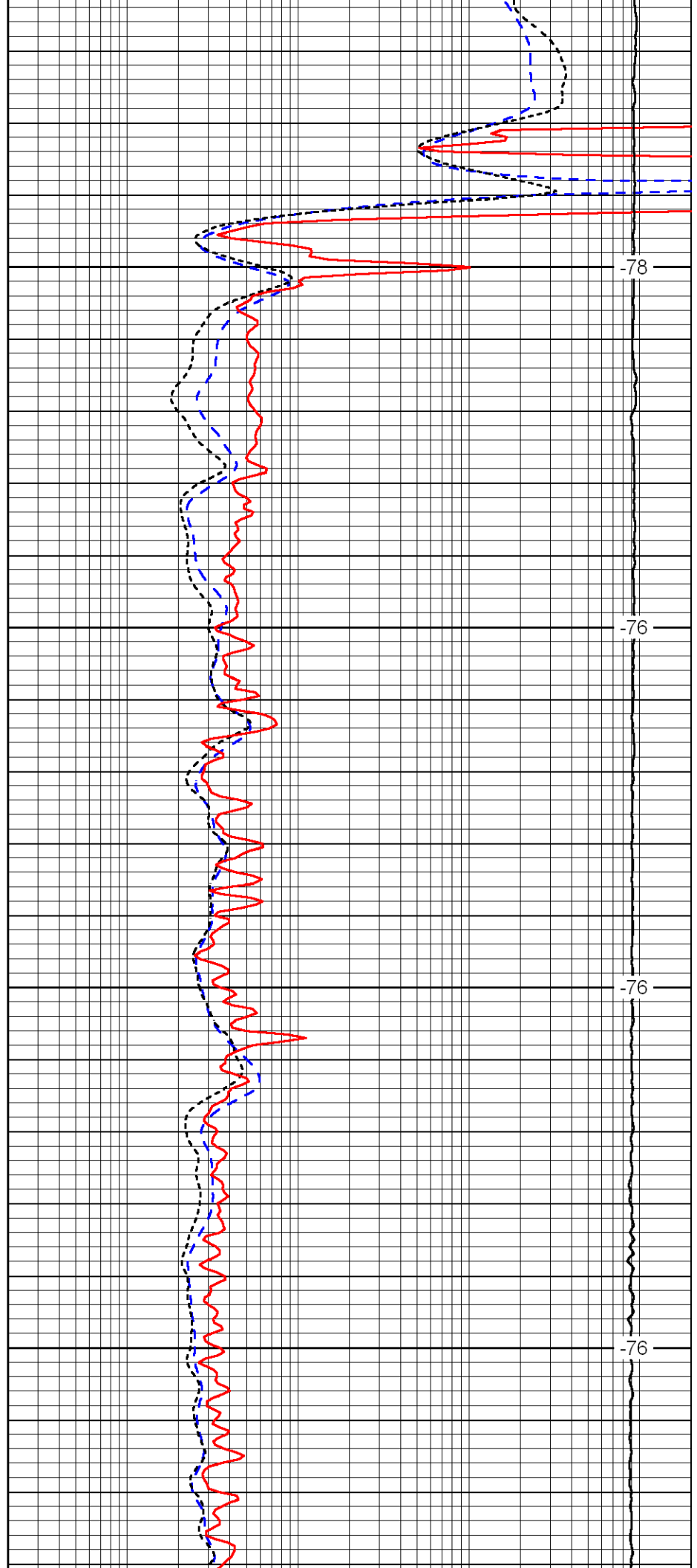


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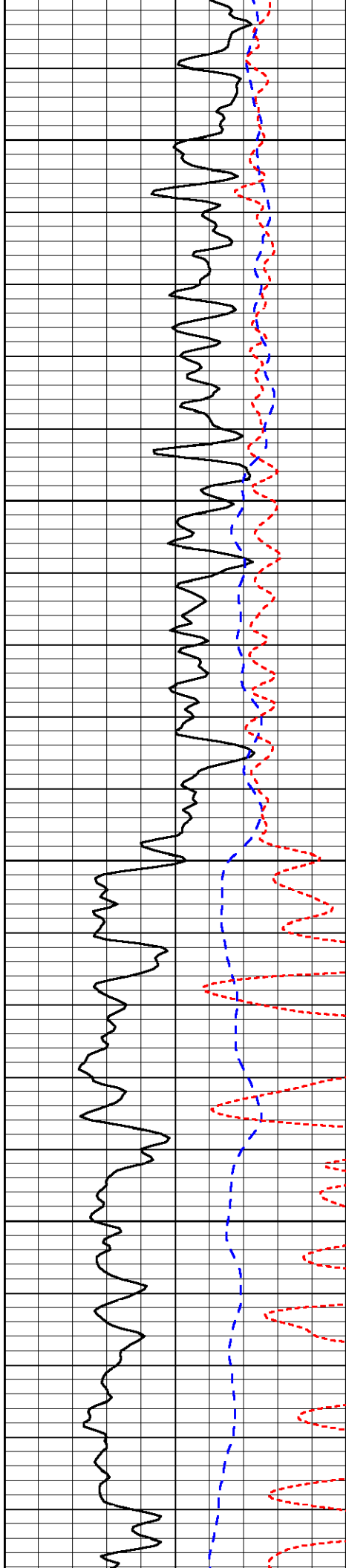


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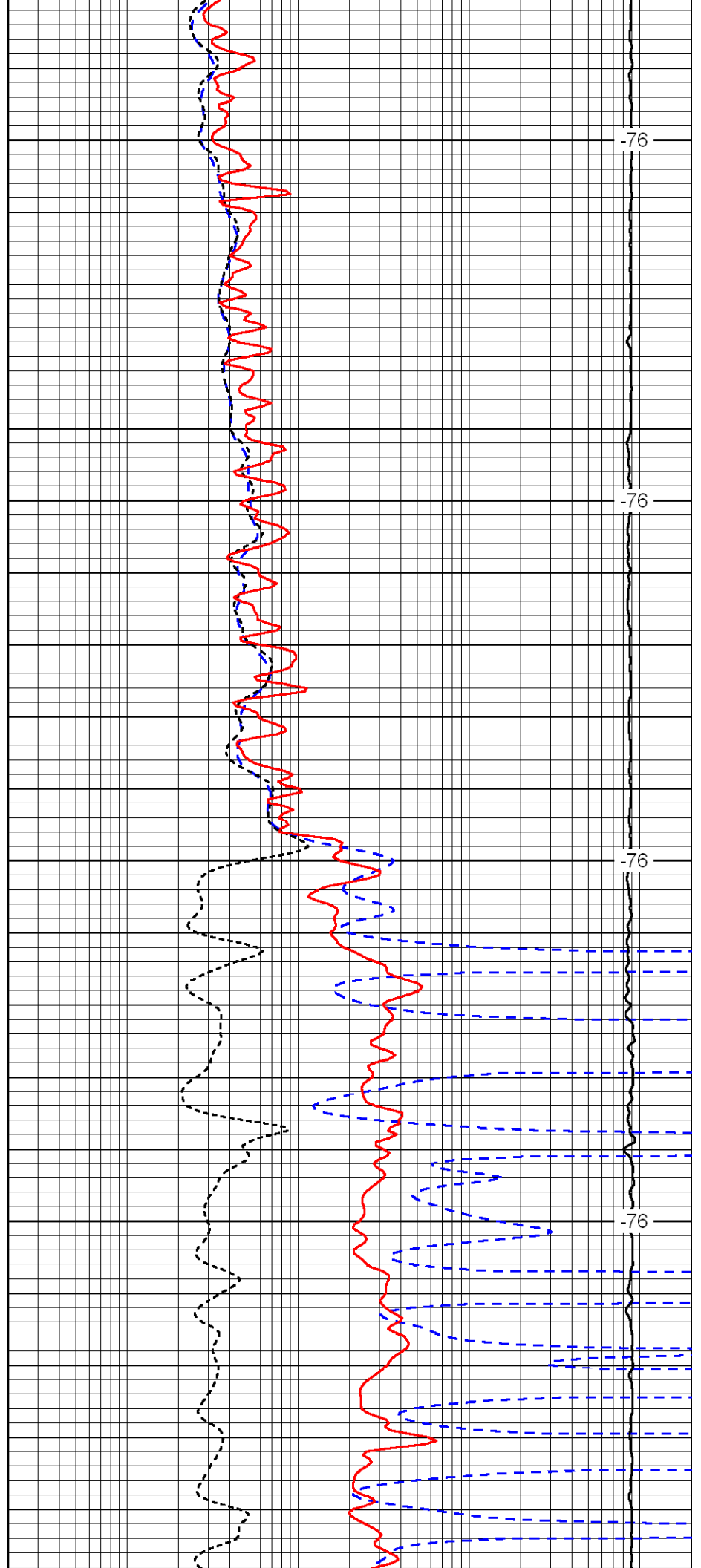


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2050

2100

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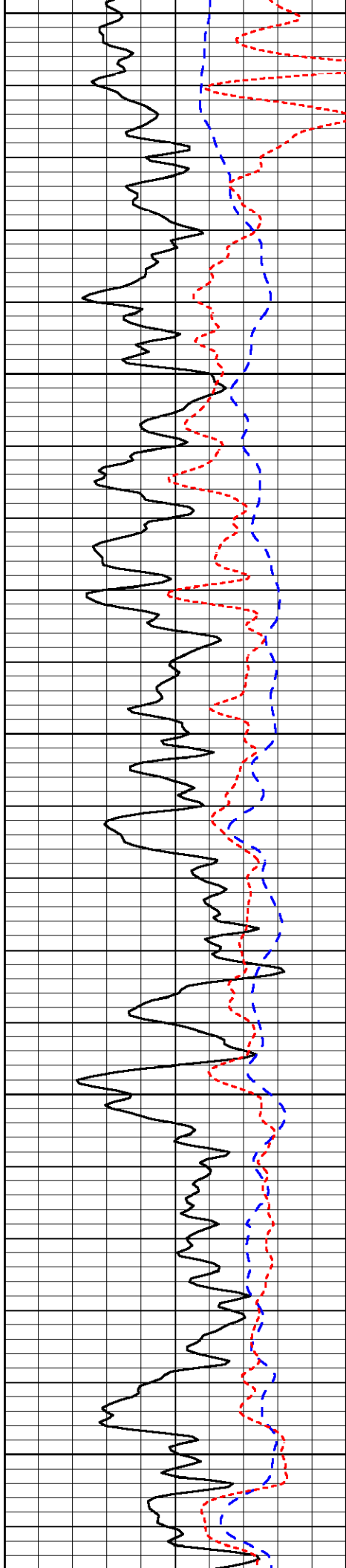


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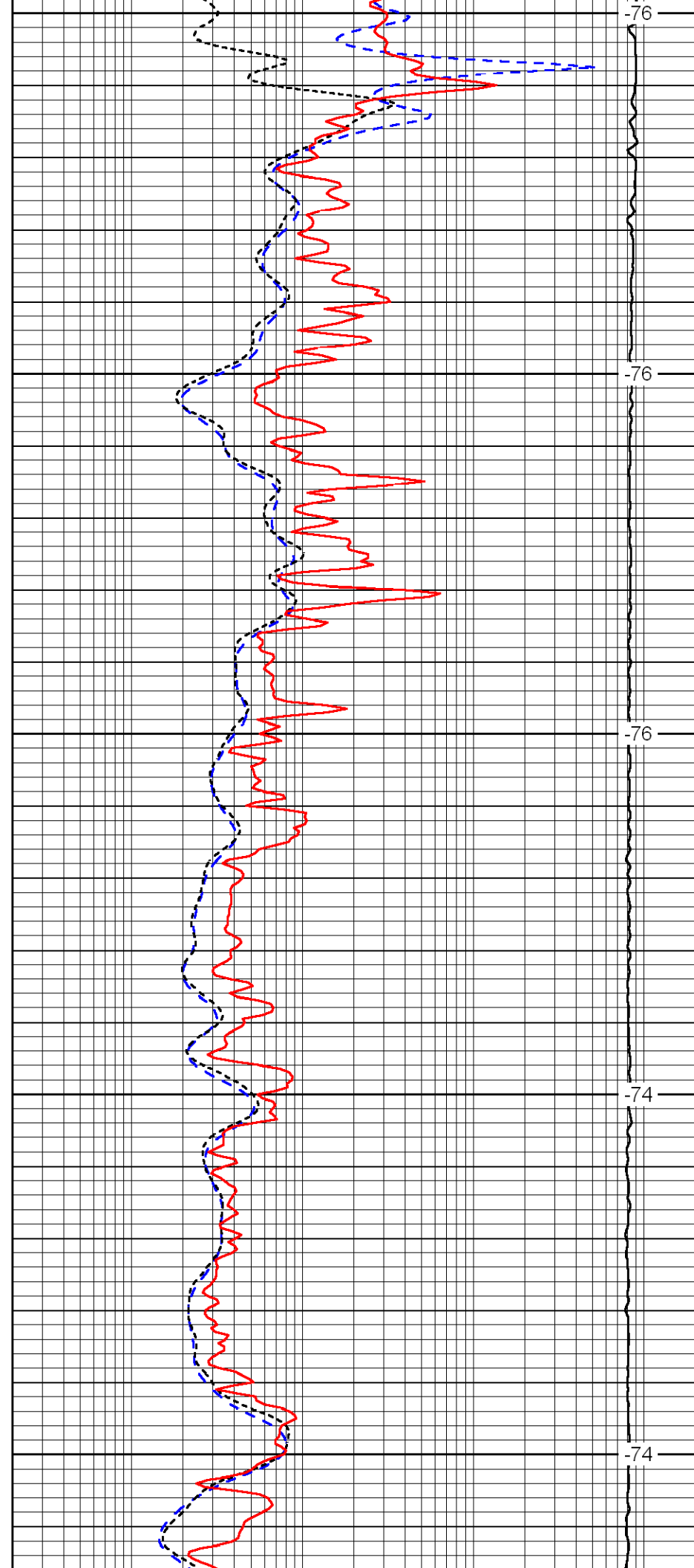
2200

2250

2300

2350

2400



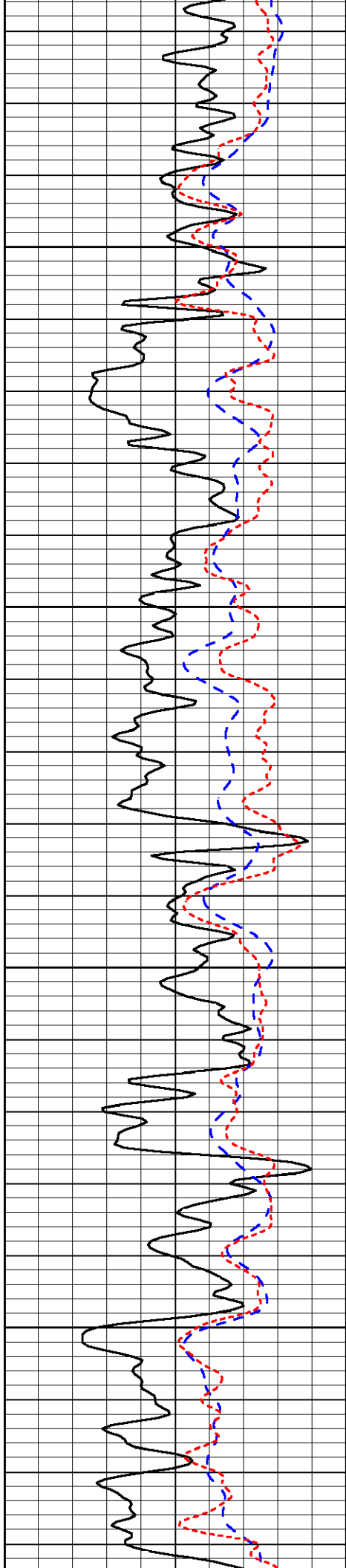
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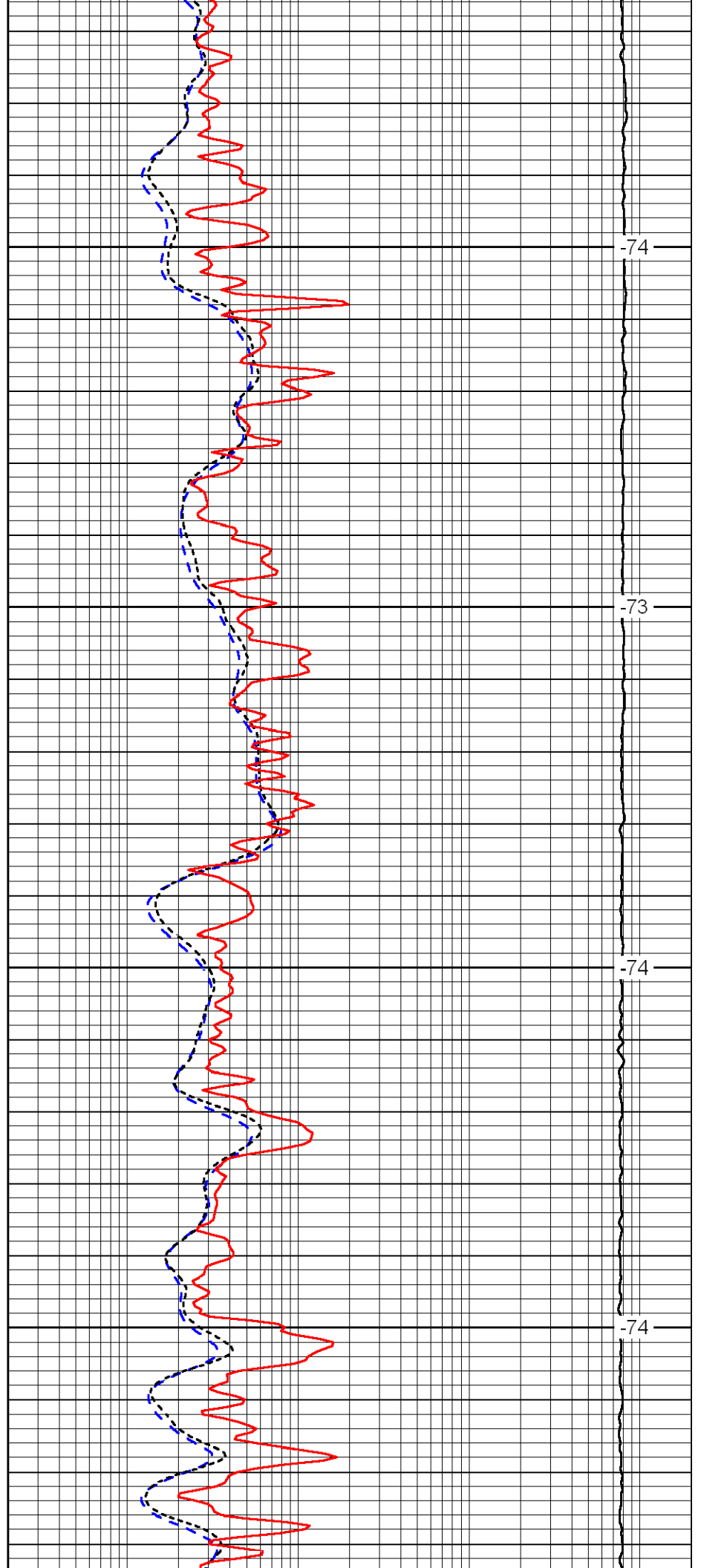


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2600

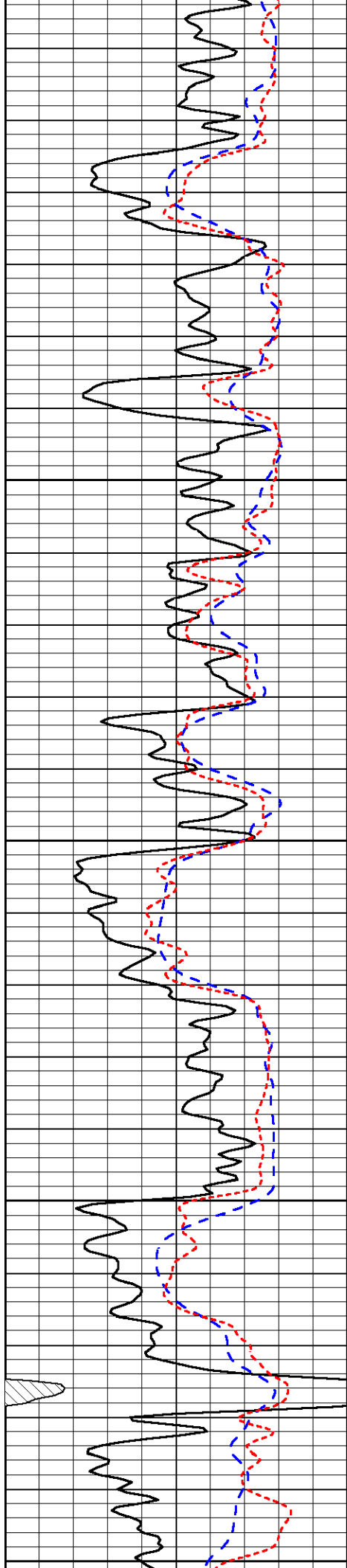


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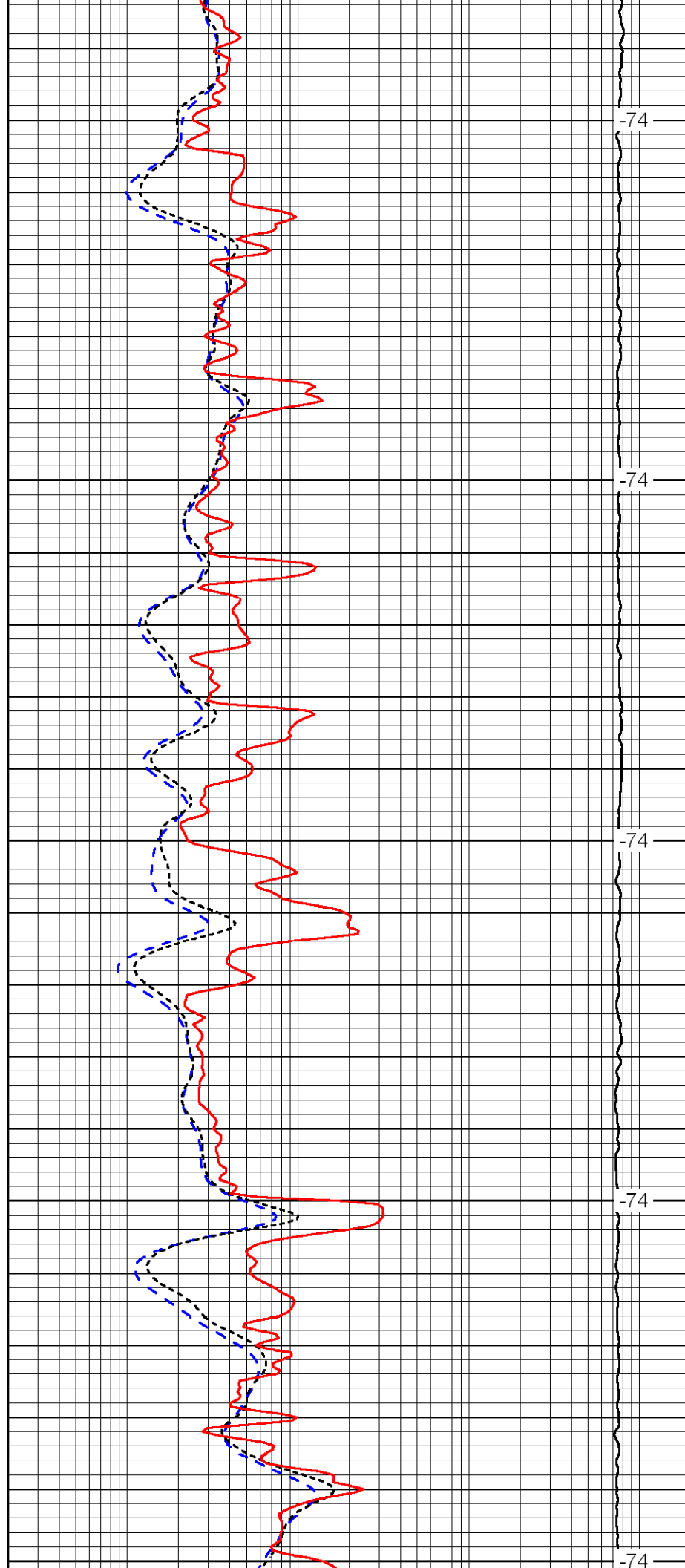
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2800

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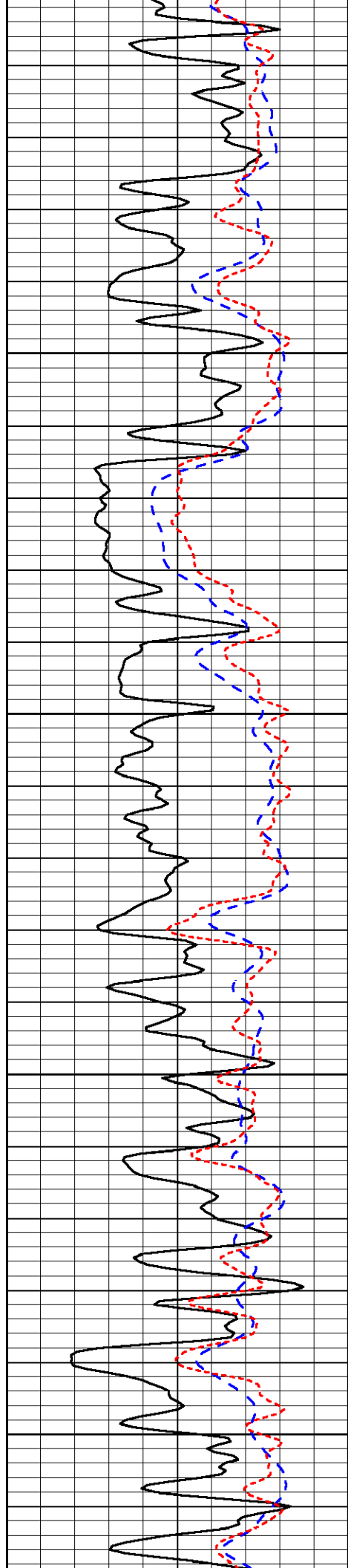
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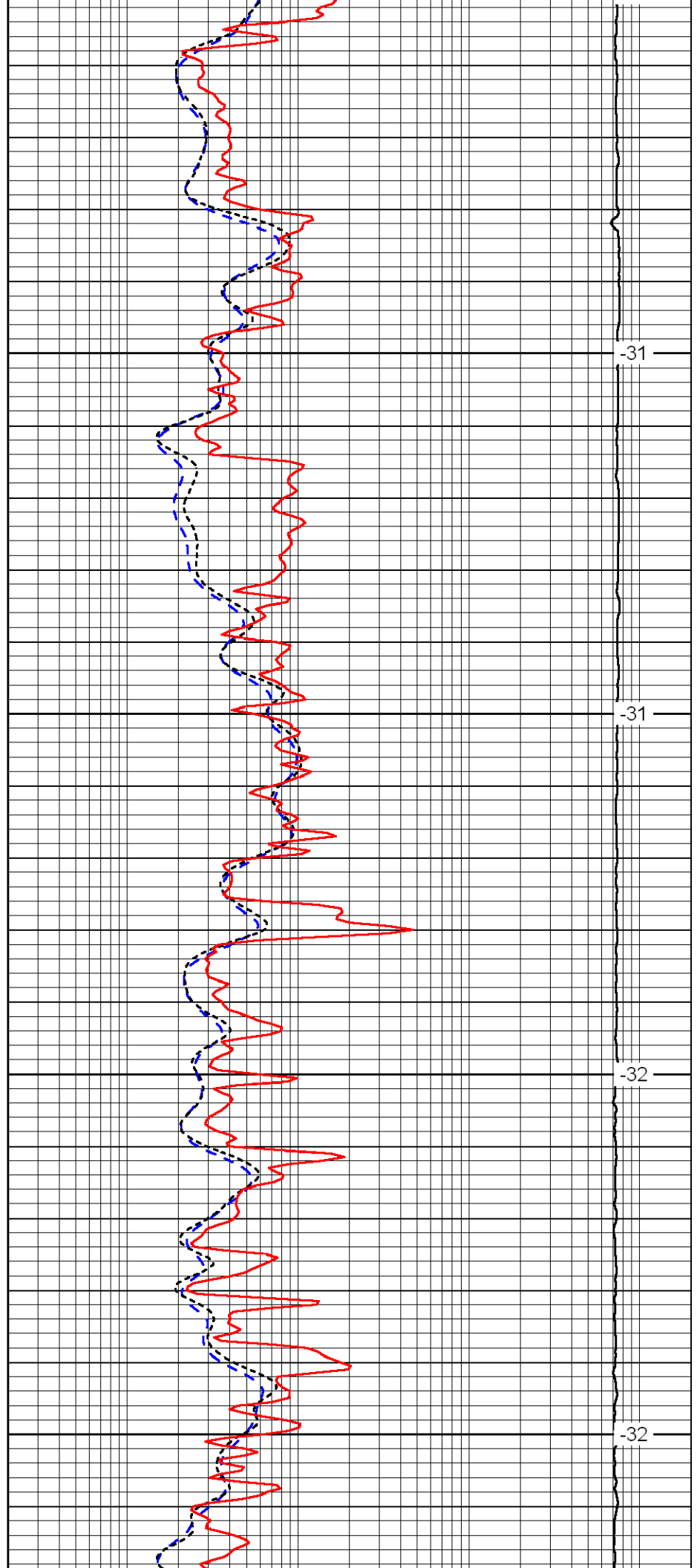


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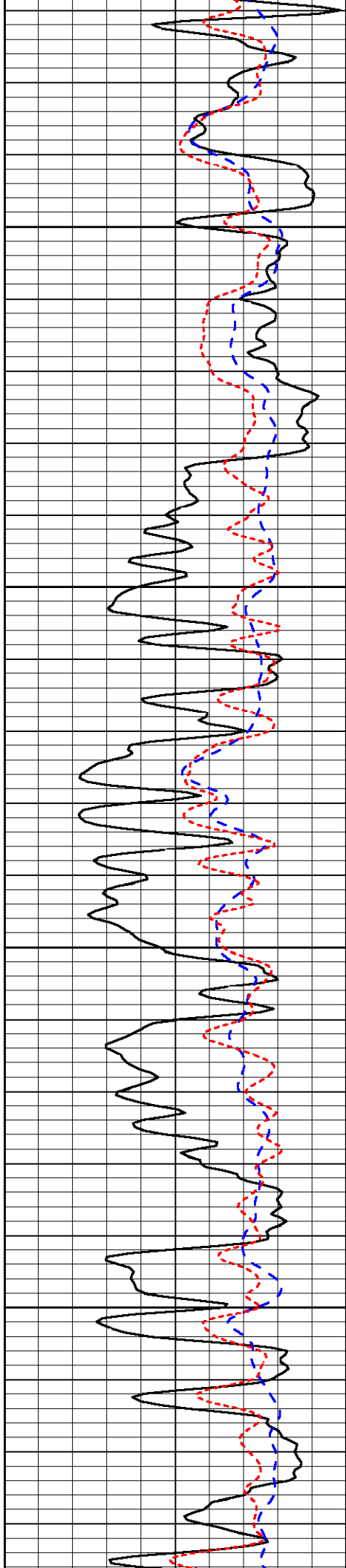


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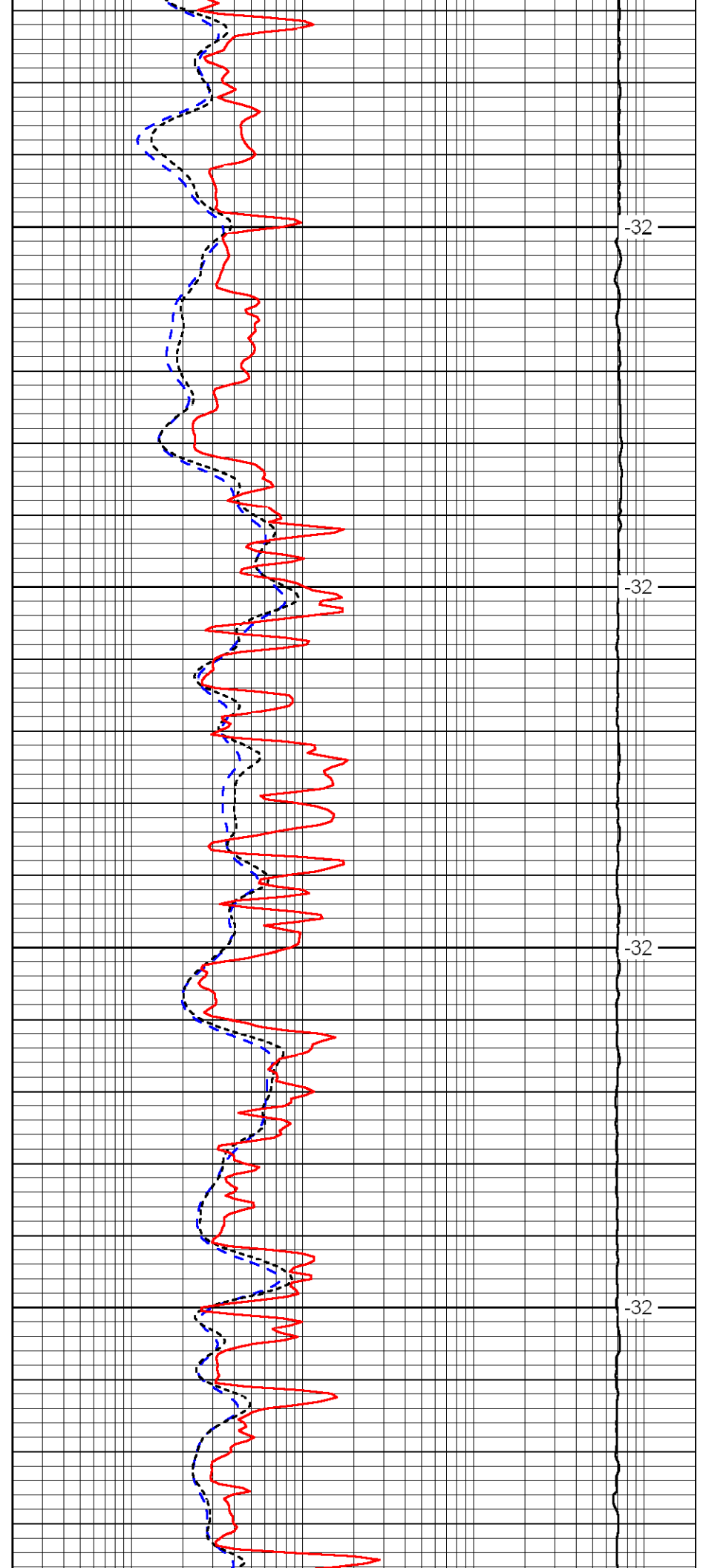


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3150

3200

3250

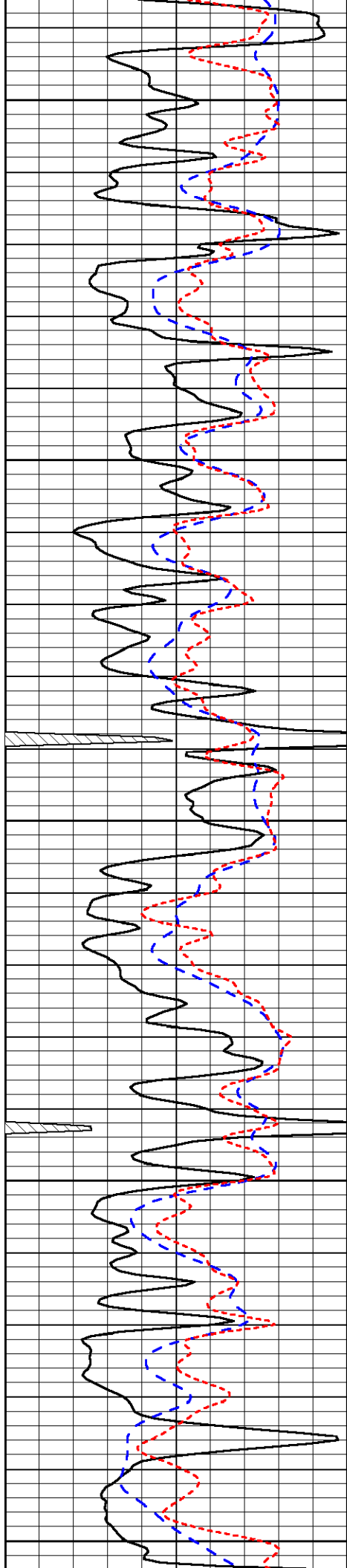


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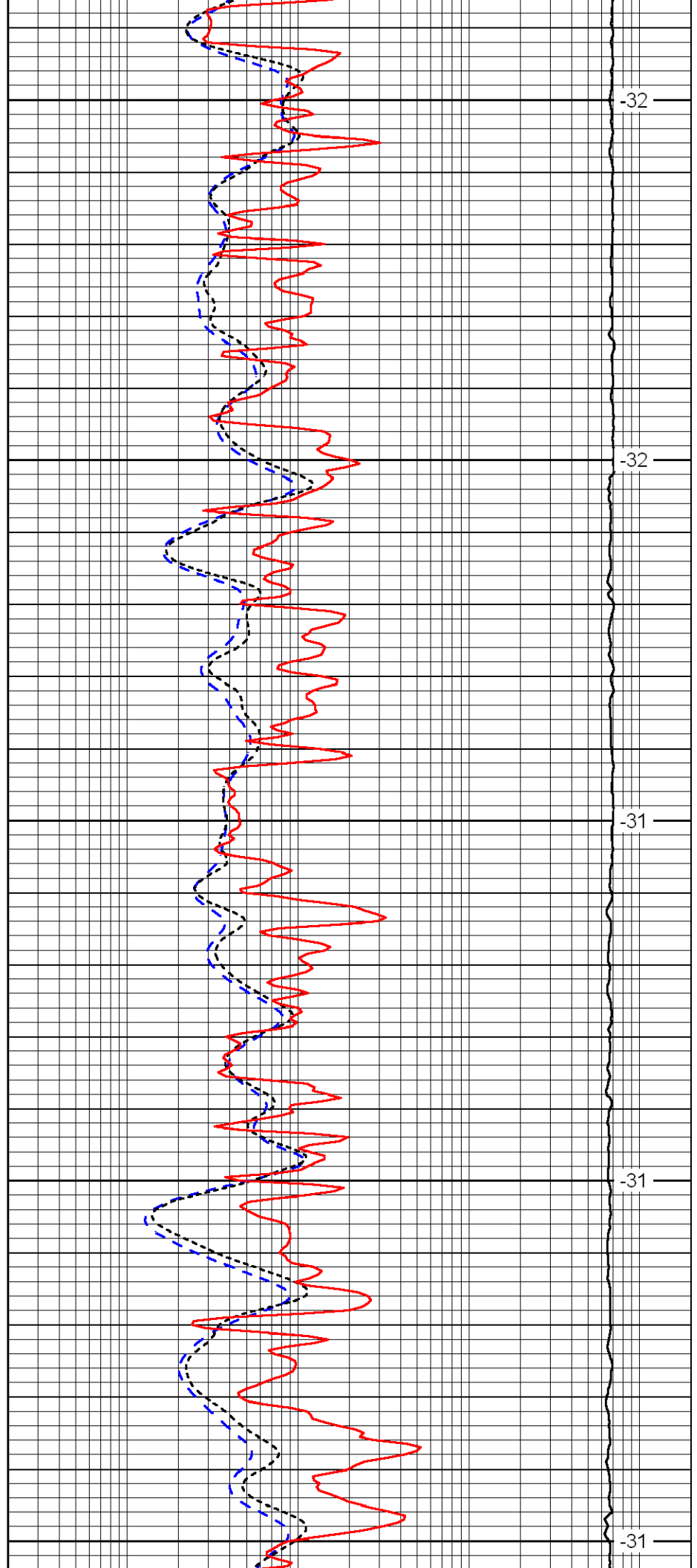
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3350

3400

3450

3500



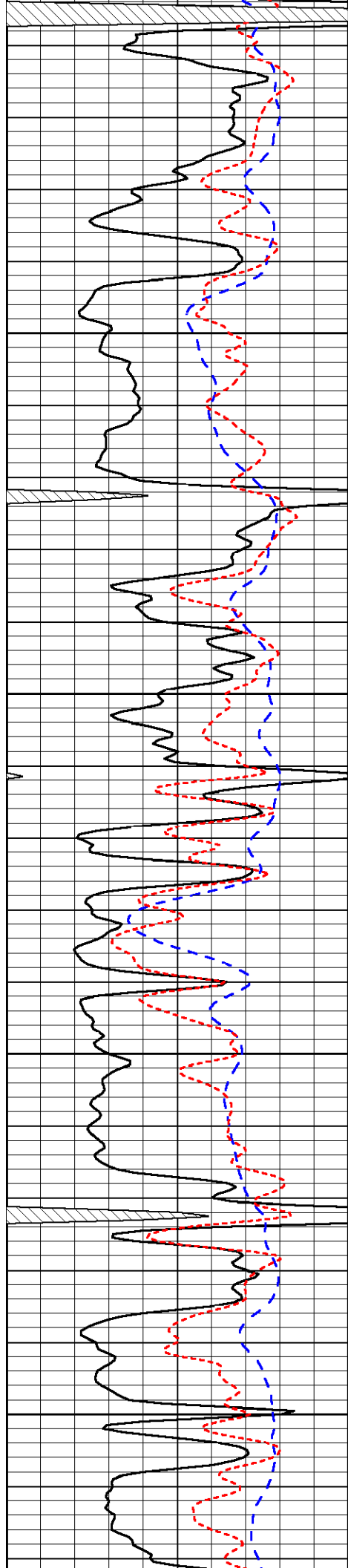
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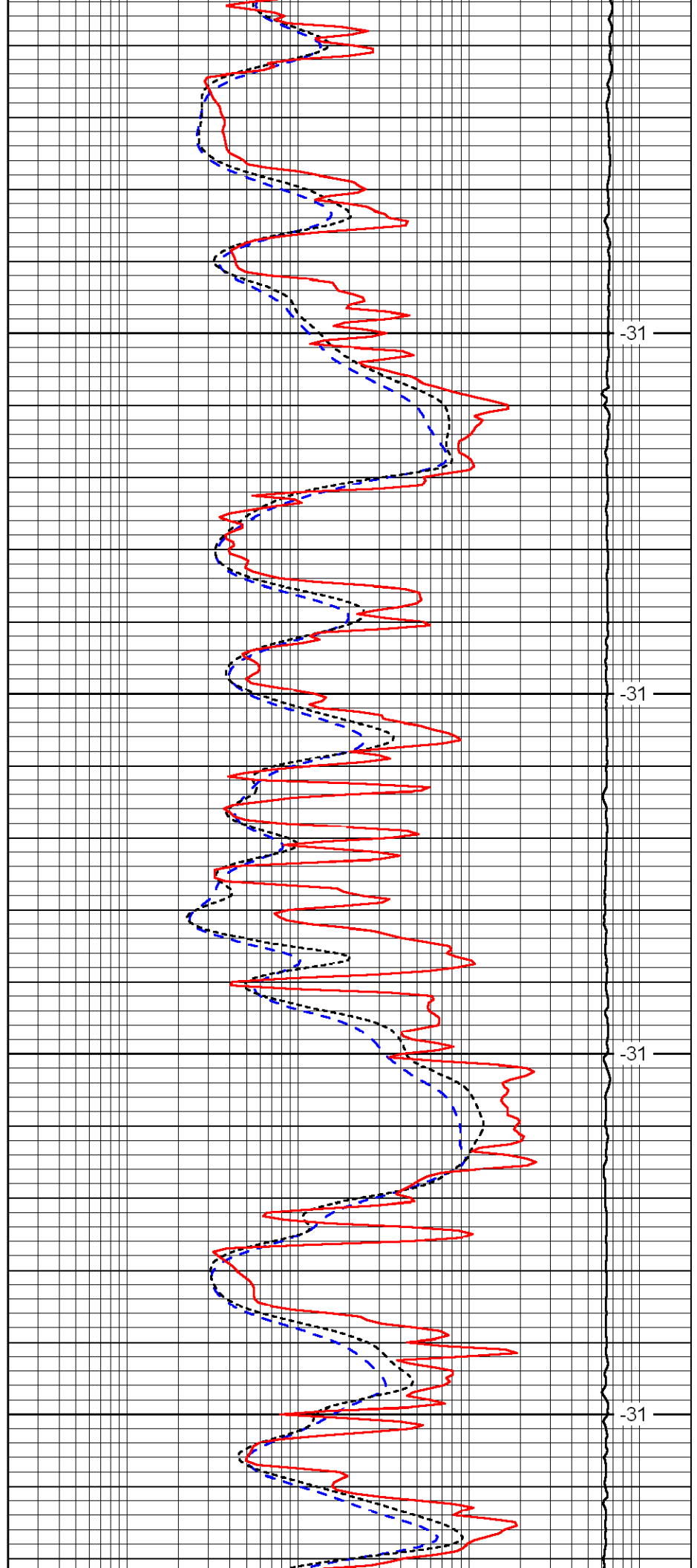


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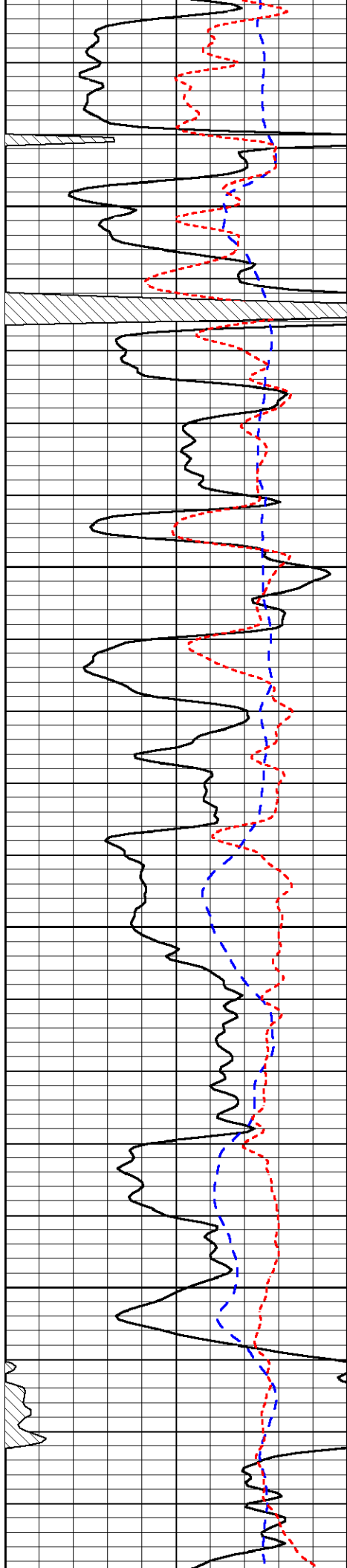


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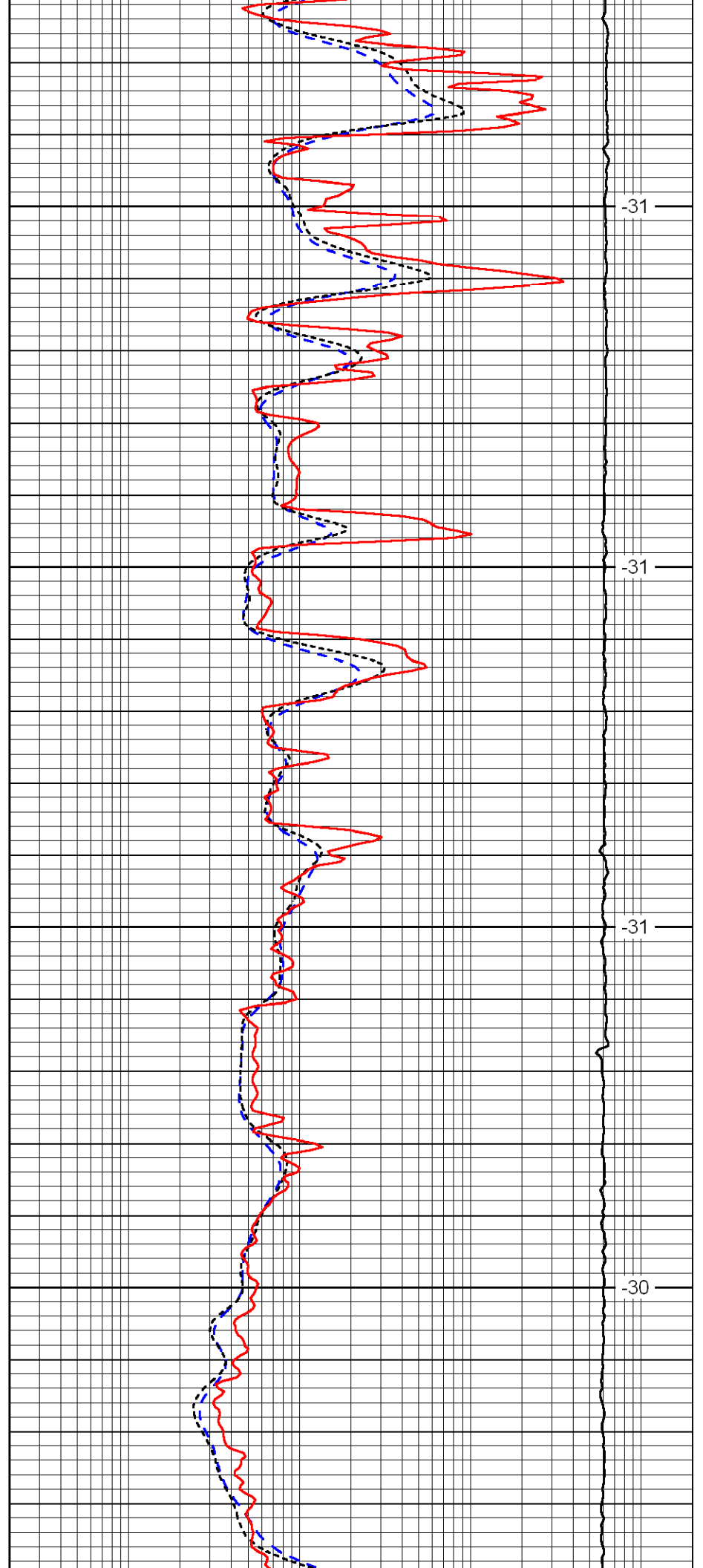


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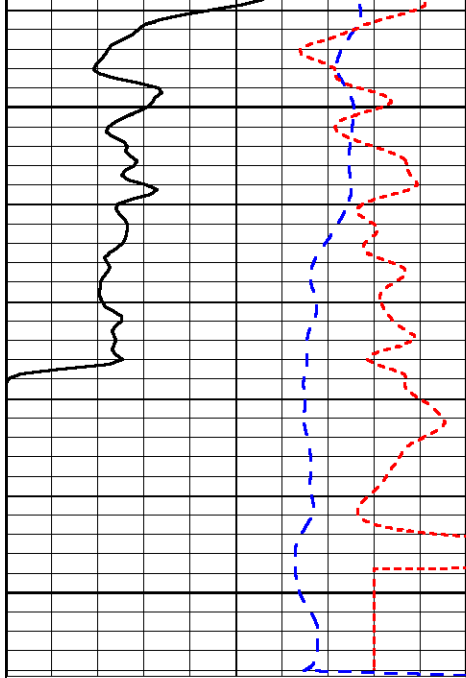


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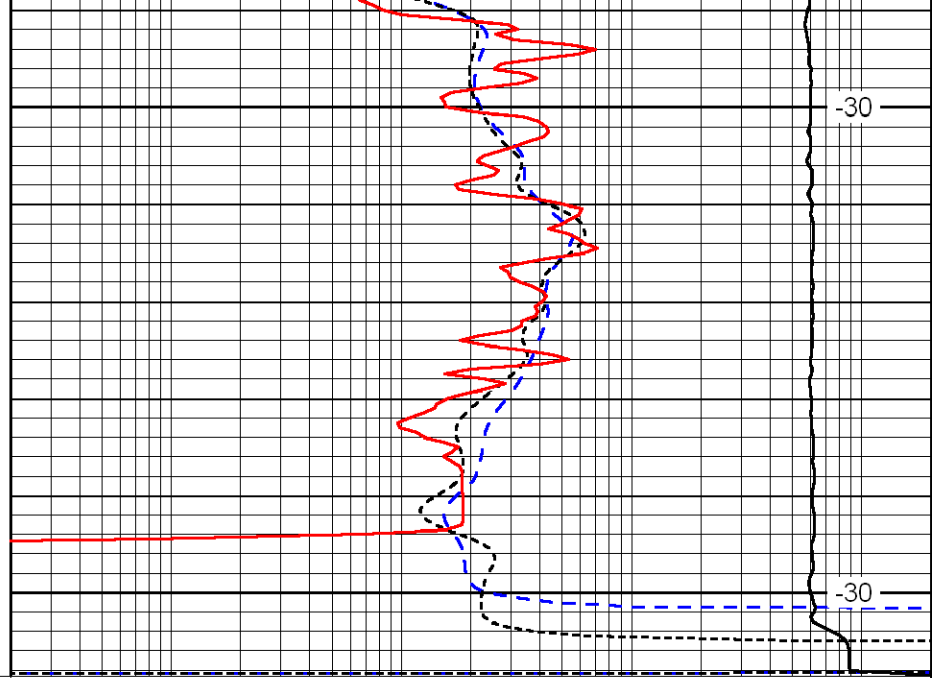
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3950

4000

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



-30

-30

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

LSPD