

LOG-TECH



Dual Induction Log

DIGITAL LOG

(785) 625-3858

API No.

15-185-23,560-00-00

Company Rama Operating Co., Inc.

Well Goodman No. 4 - 30

Field McCandless Pool

County Stafford State Kansas

Location 1080' FNL & 2250' FWL

Sec: 30 Twp: 25S Rge: 13W

Other Services
CNL/CDL
MEL

Permanent Datum Ground Level Elevation 1957

Log Measured From Kelly Bushing 13 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Elevation
K.B. 1970
D.F. 1957
G.L. 1957

Date 12/02/2008

Run Number One

Depth Driller 4385

Depth Logger 4386

Bottom Logged Interval 4385

Top Log Interval 250

Casing Driller 8.625 @ 271

Casing Logger 268

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 11,000

Density / Viscosity 9.0 110

pH / Fluid Loss 11.0 13.2

Source of Sample Flowline

Rm @ Meas. Temp 1.1 @ 65

Rmf @ Meas. Temp .82 @ 65

Rmc @ Meas. Temp 1.48 @ 65

Source of Rmf / Rmc Charts

Rm @ BHT .59 @ 122

Operating Rig Time 4 Hours

Max Rec. Temp. F 122

Equipment Number 10

Location Hays

Recorded By Jason Wellbrock

Witnessed By Josh Austin

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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

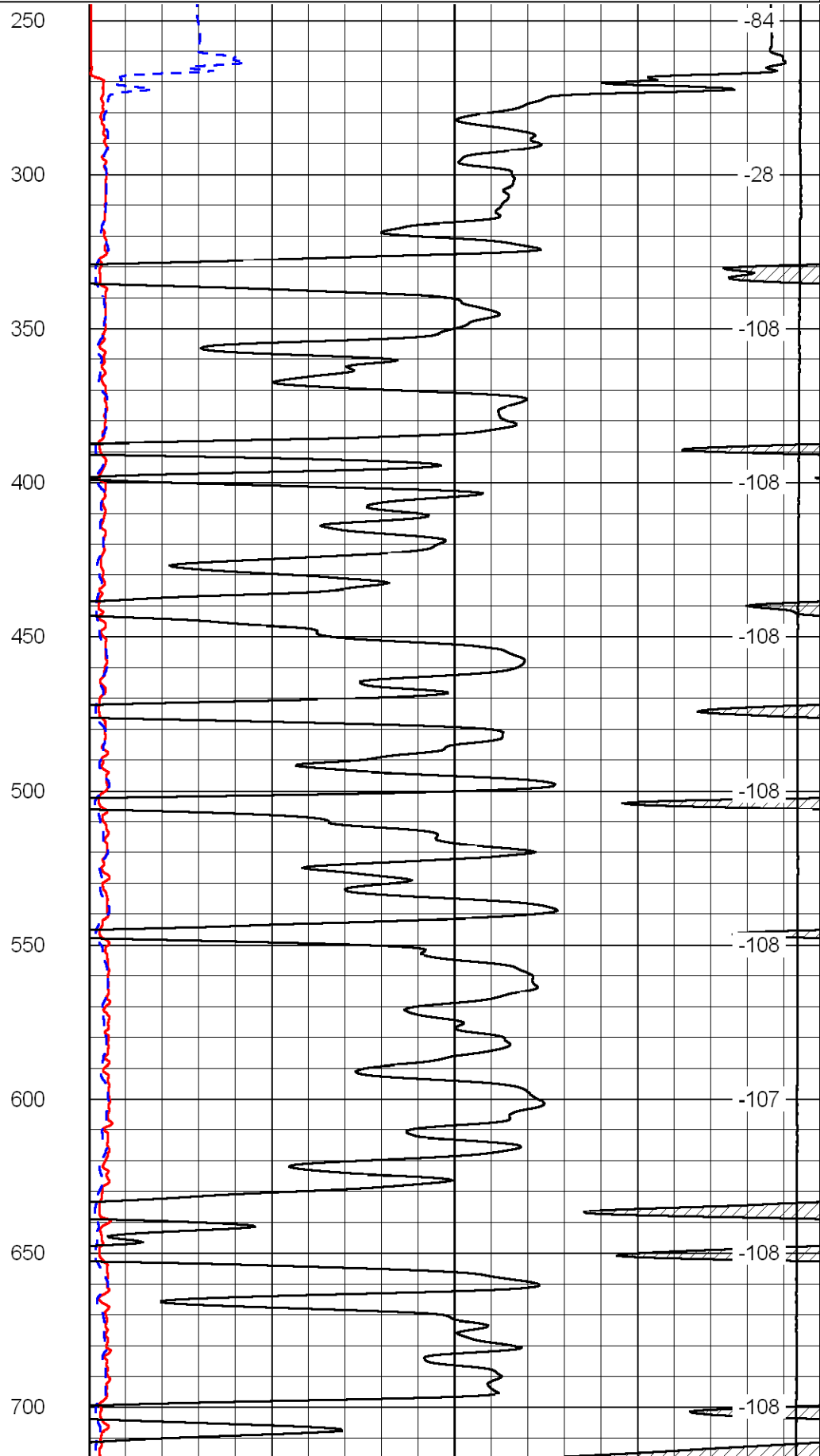
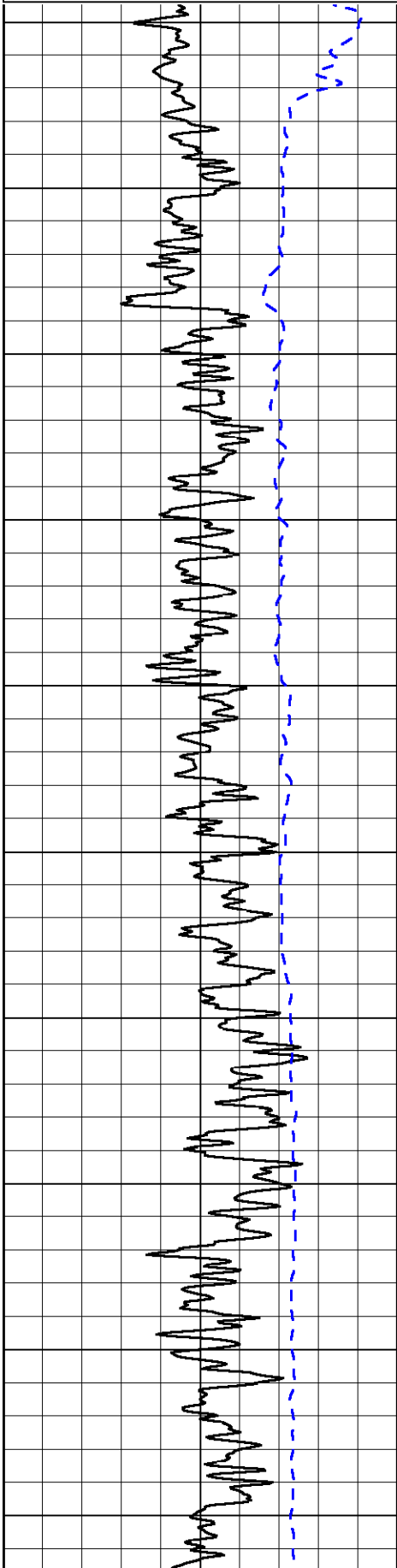
Thank you for using Log-Tech, Inc.
(785) 625-3858

St John S to Highway 50, S 7 to rd 70, 2 1/2 W, S Into

Database File: ramahd.db
Dataset Pathname: dil/rama2in
Presentation Format: dil2in
Dataset Creation: Tue Dec 02 01:58:14 2008
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
-200	SP	0

0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500



750

800

850

900

950

1000

1050

1100

1150

1200

1250

-105

-105

-105

-104

-105

-104

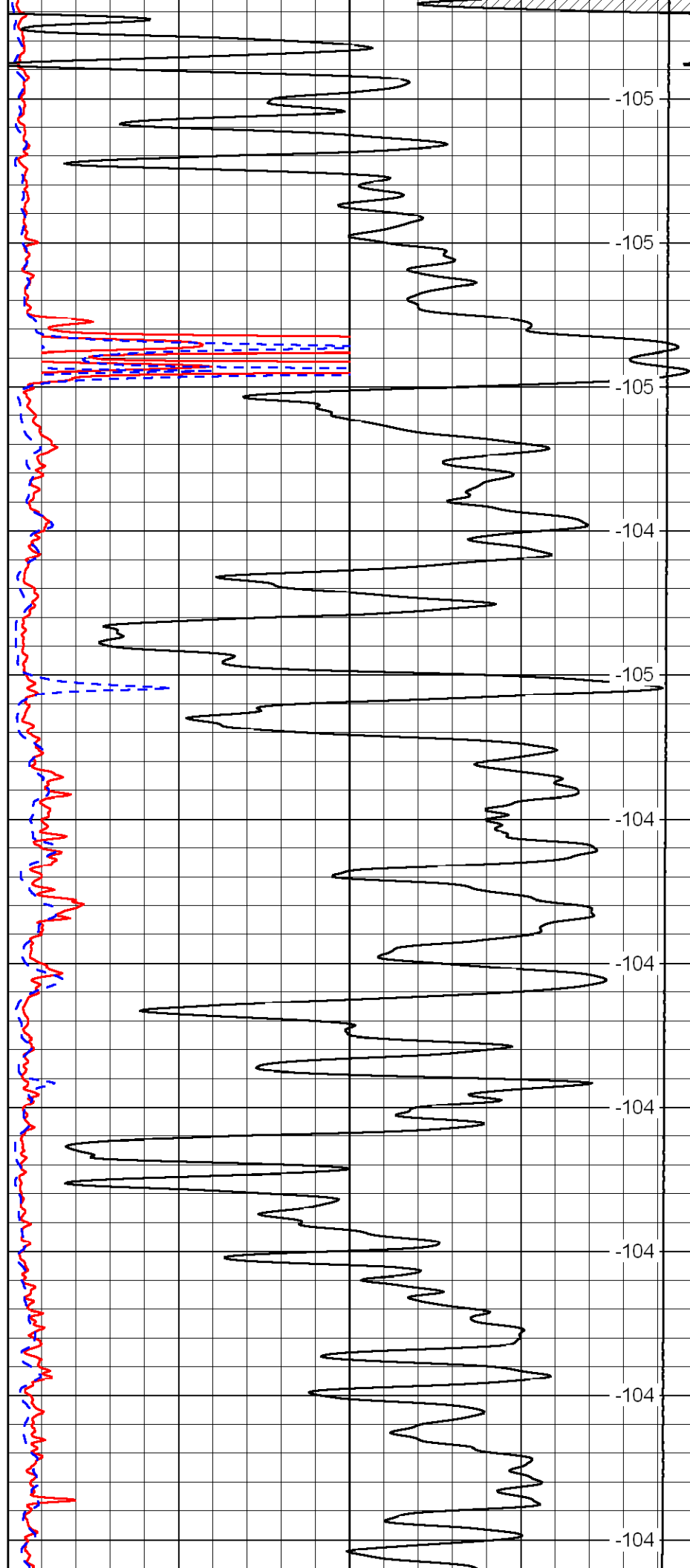
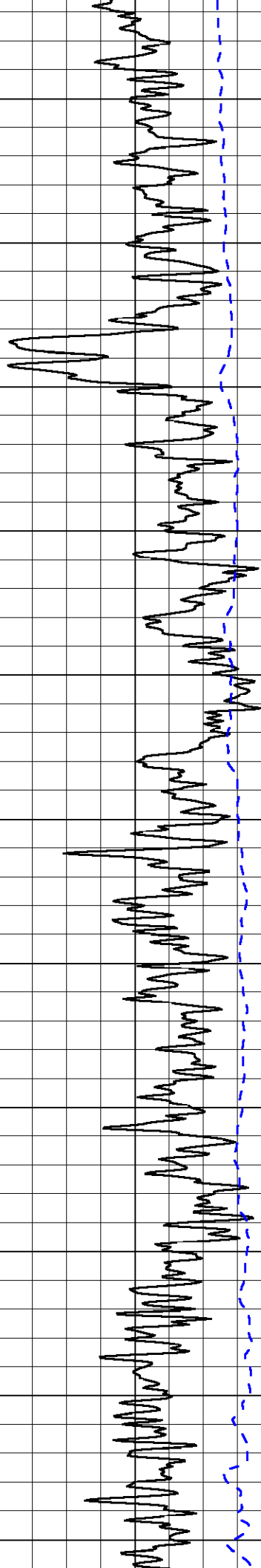
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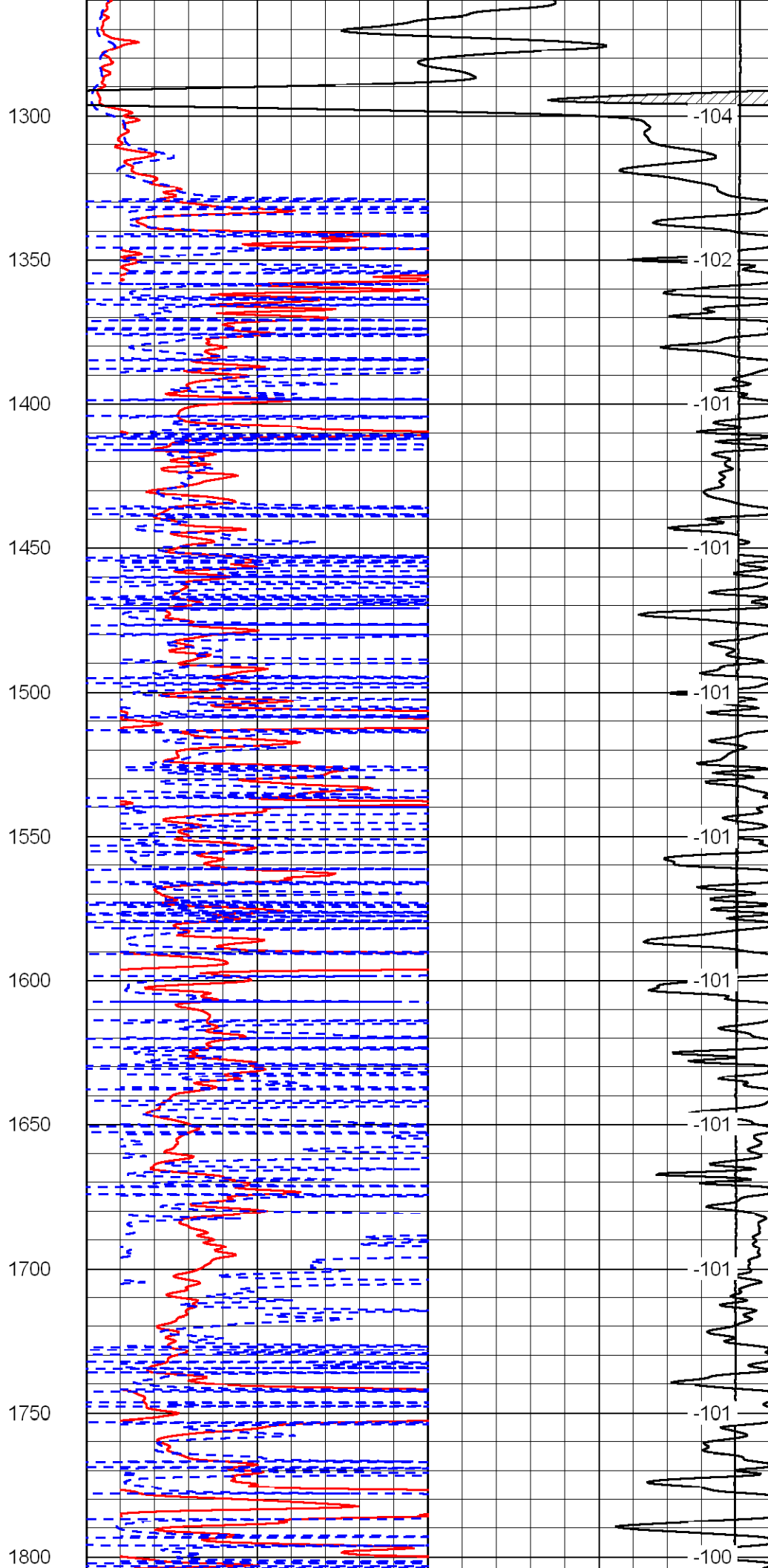
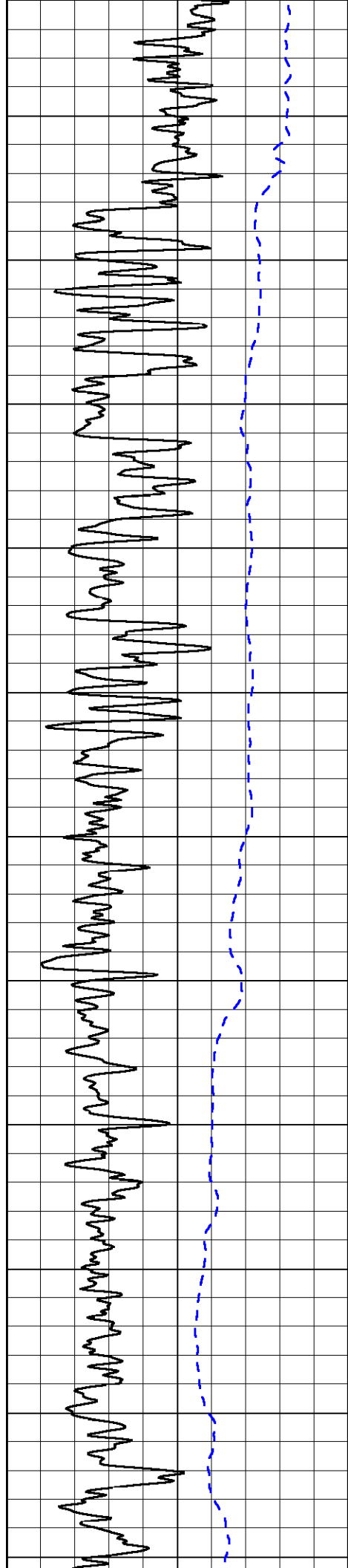
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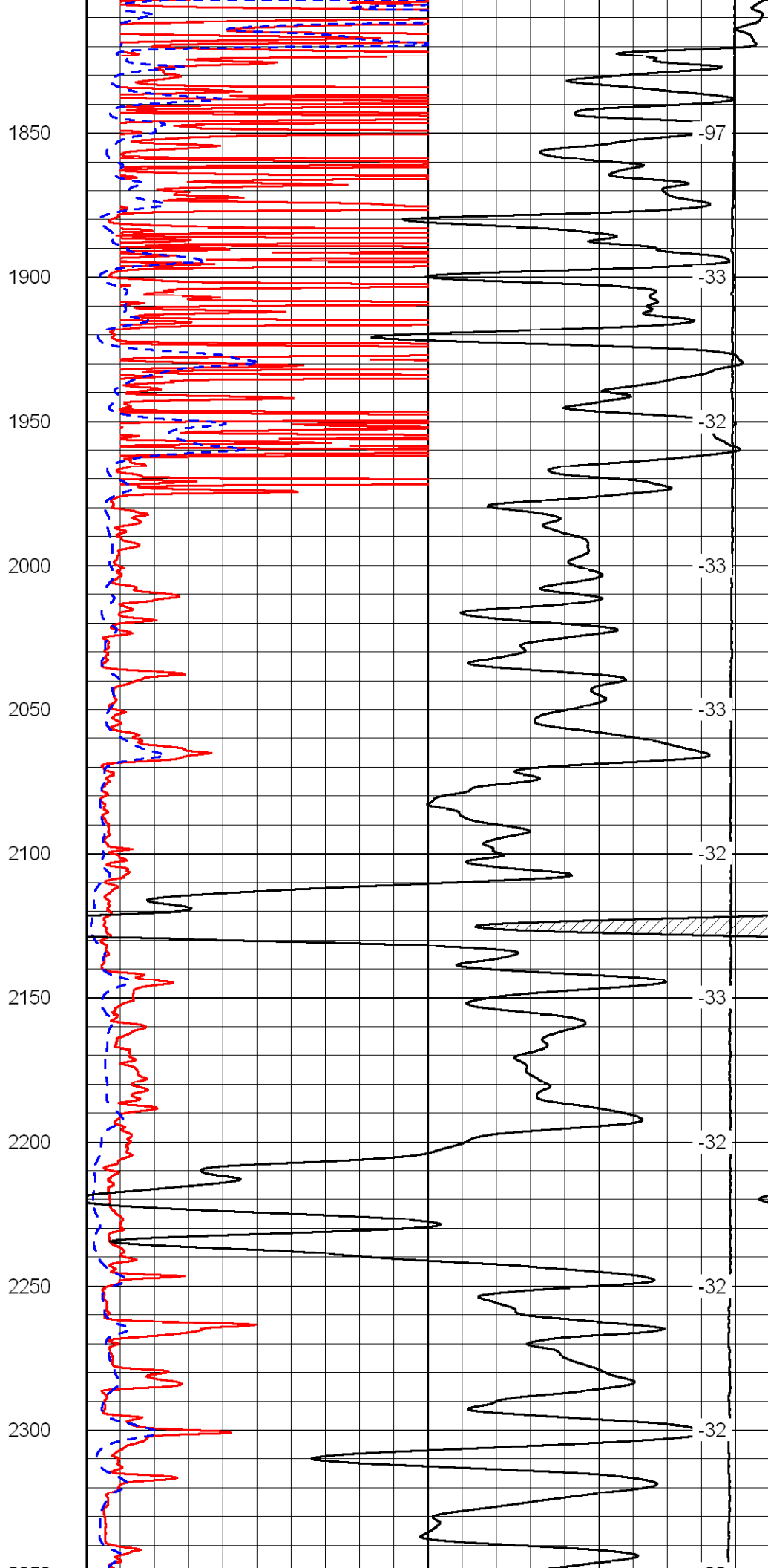
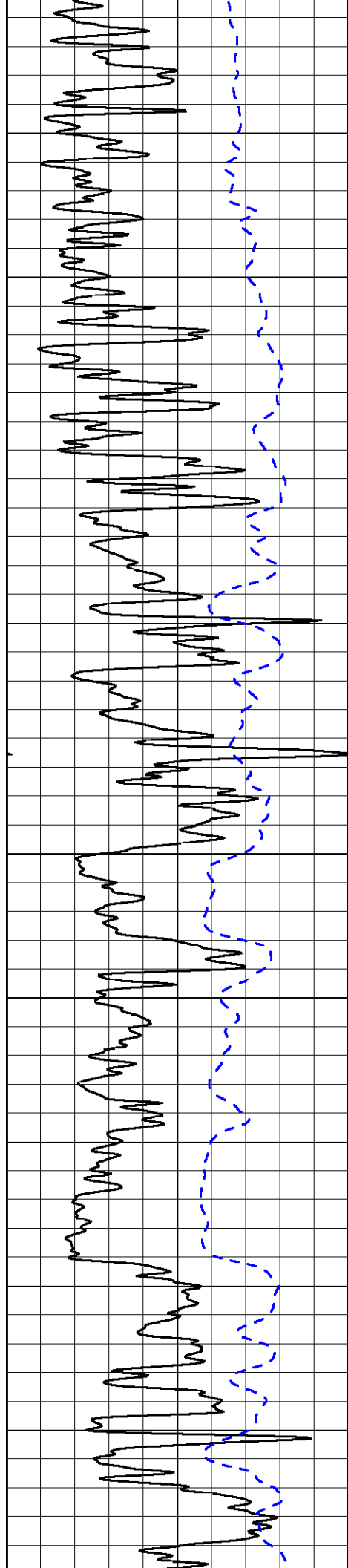
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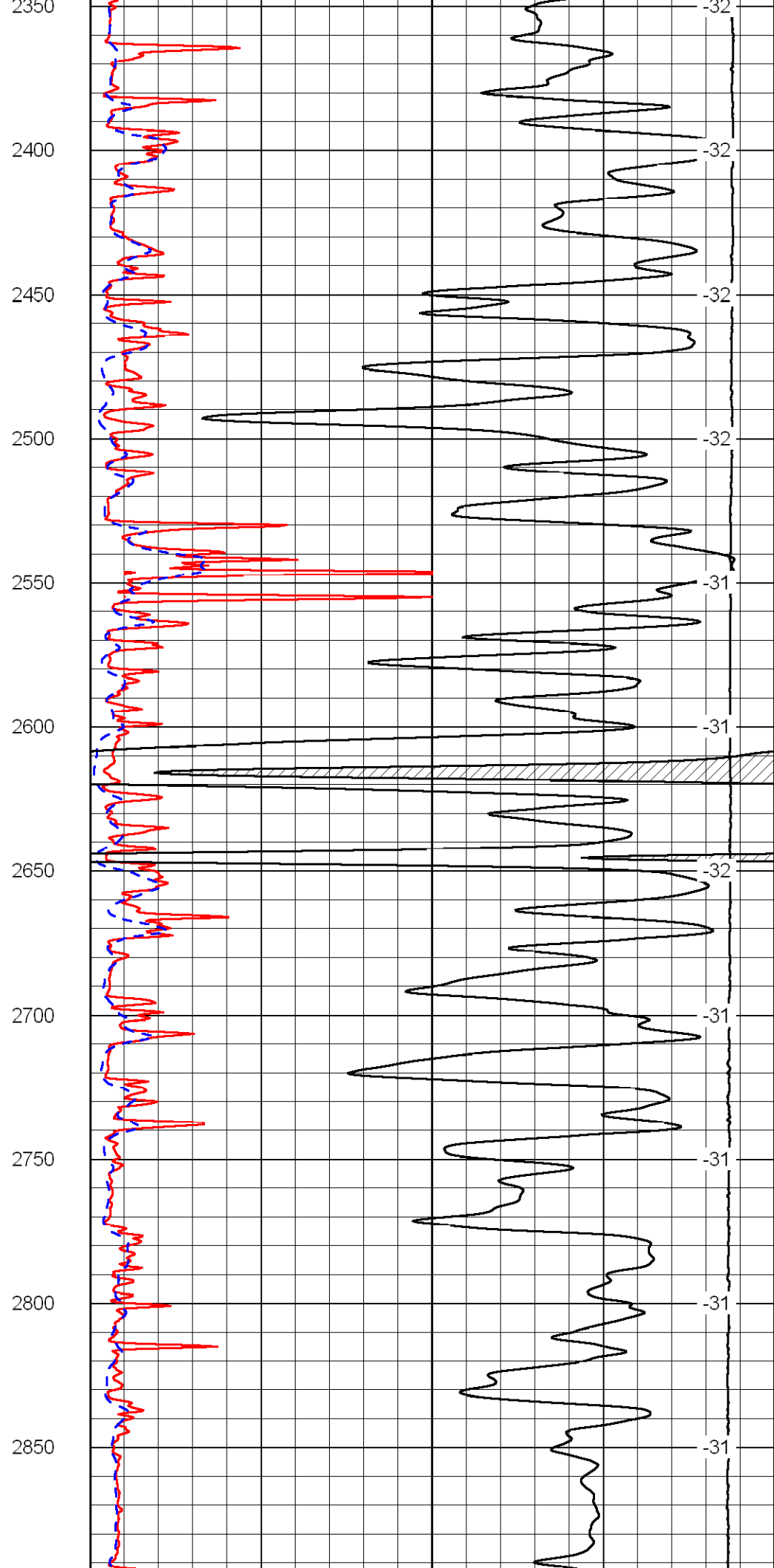
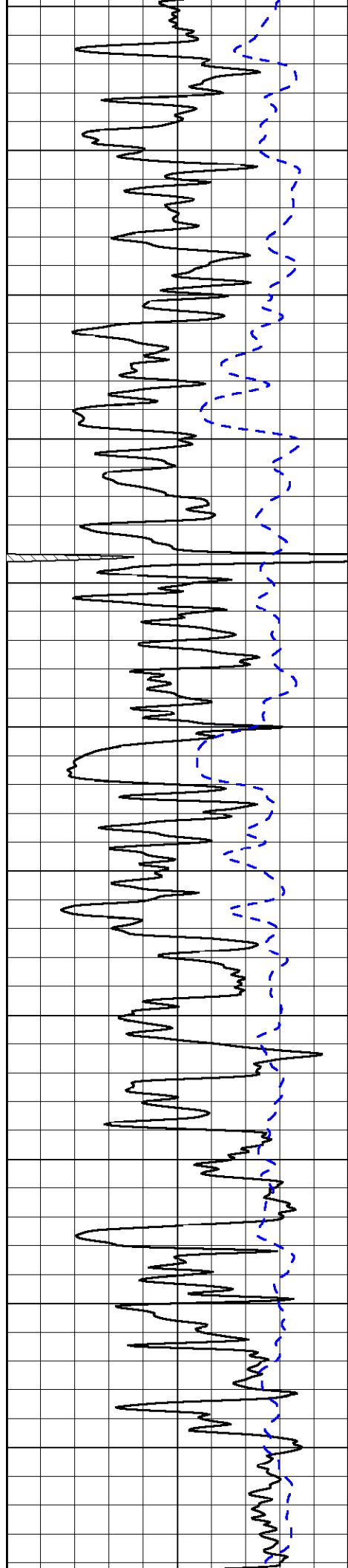
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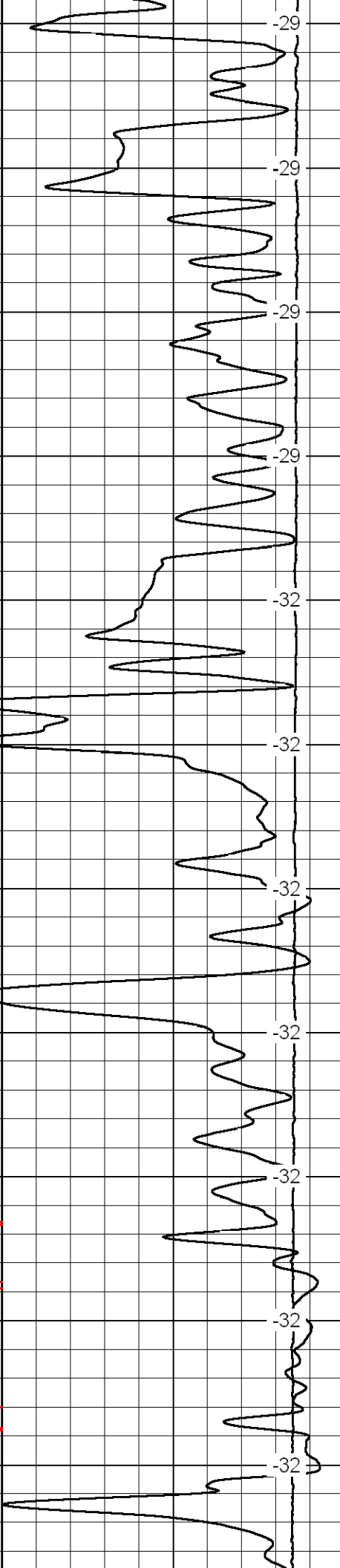
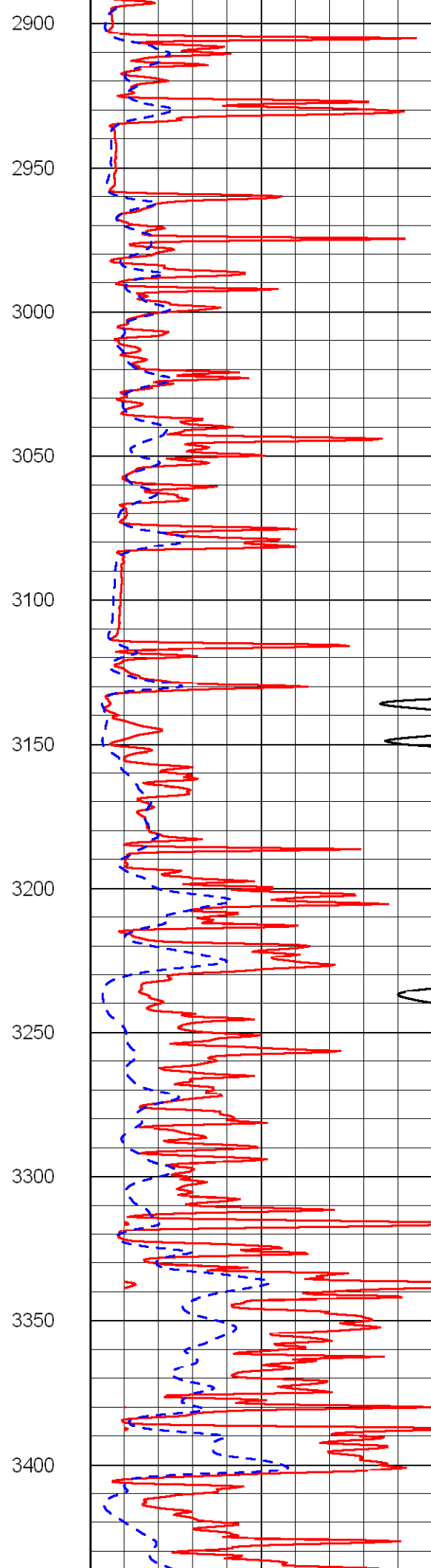
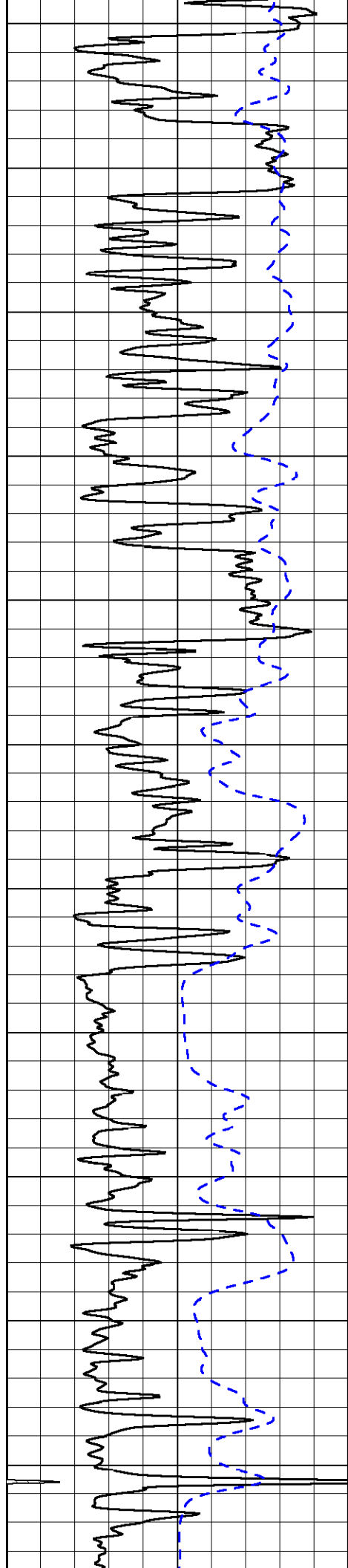
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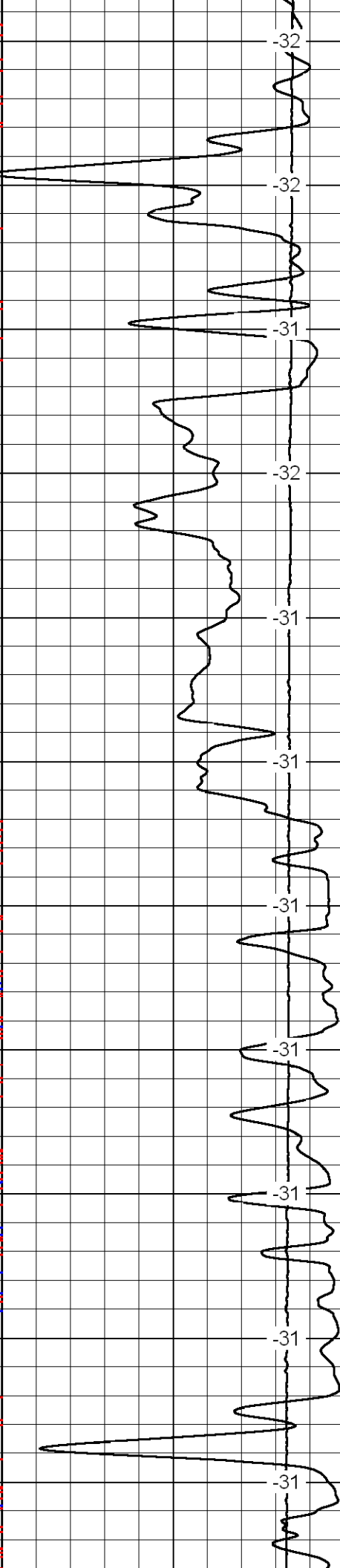
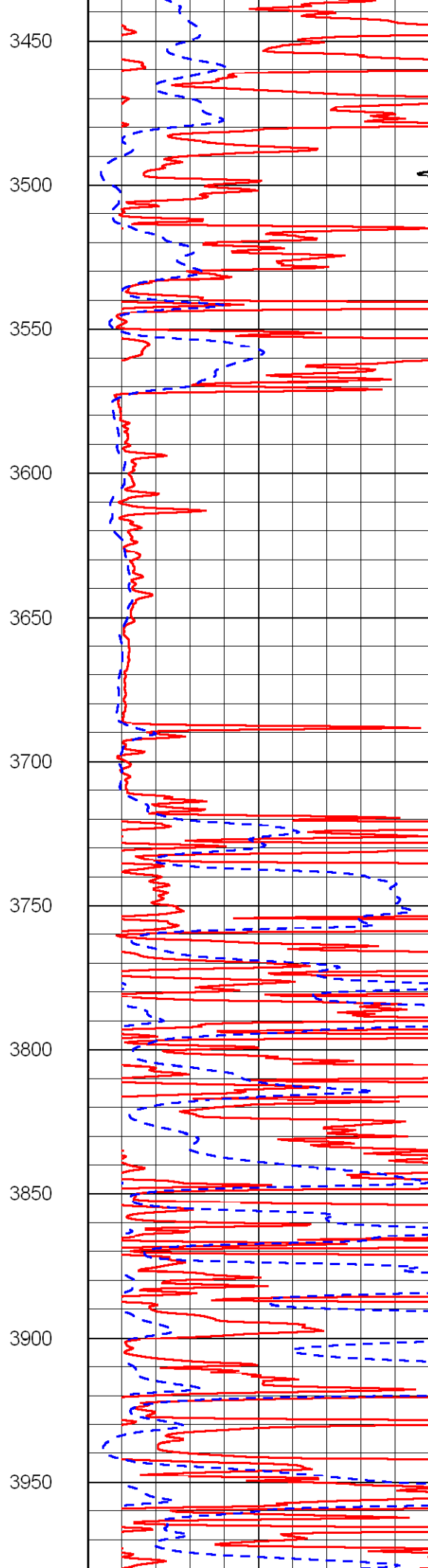
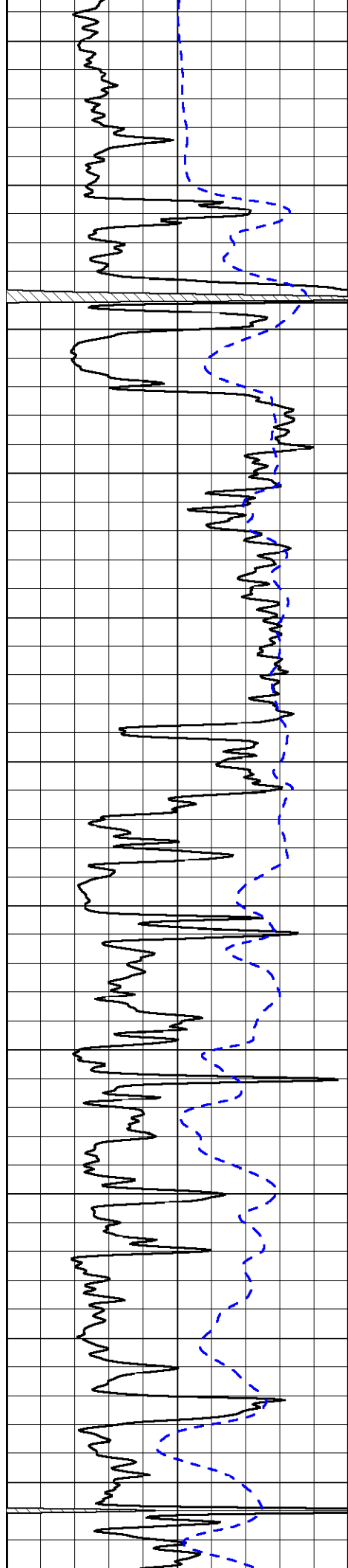


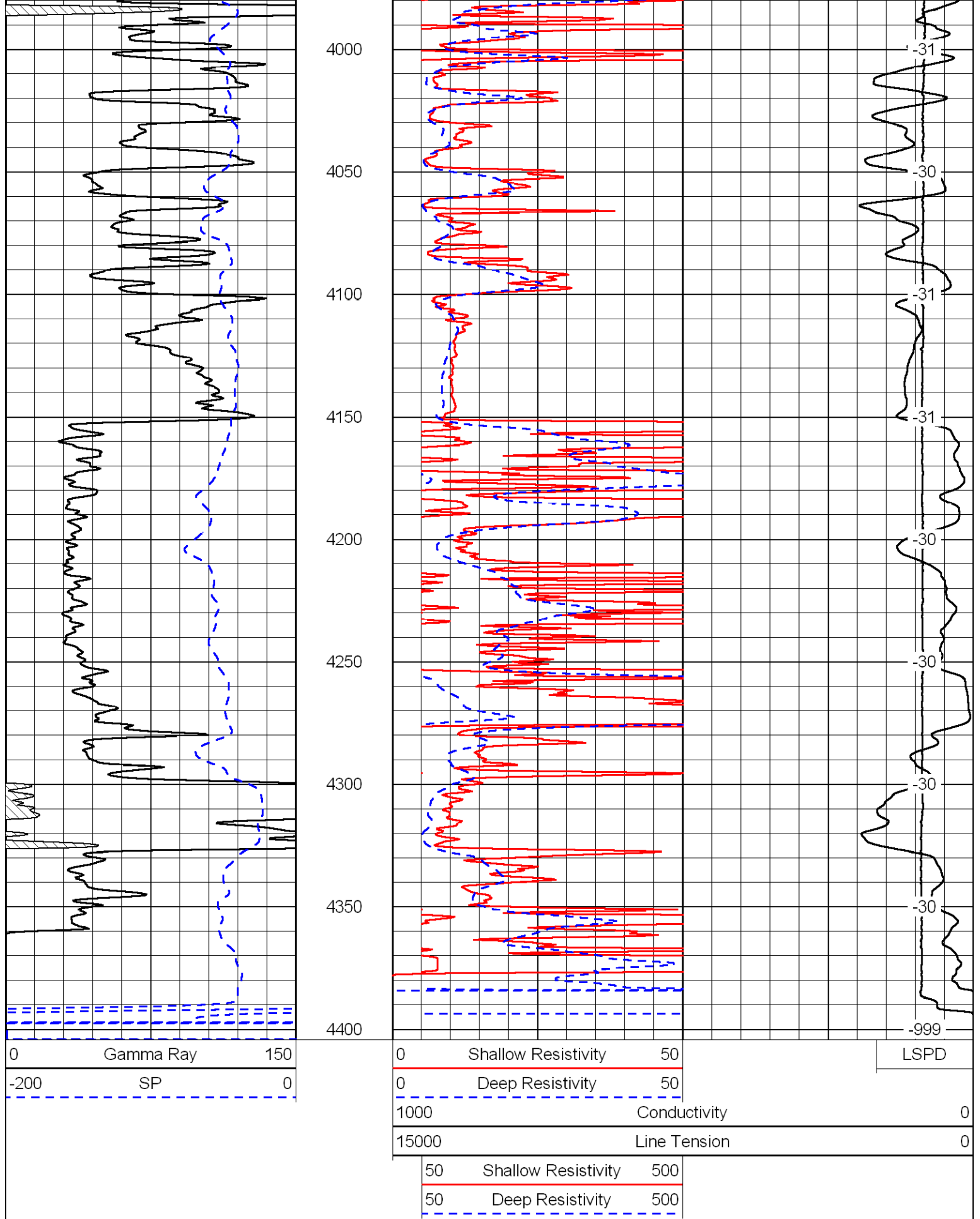




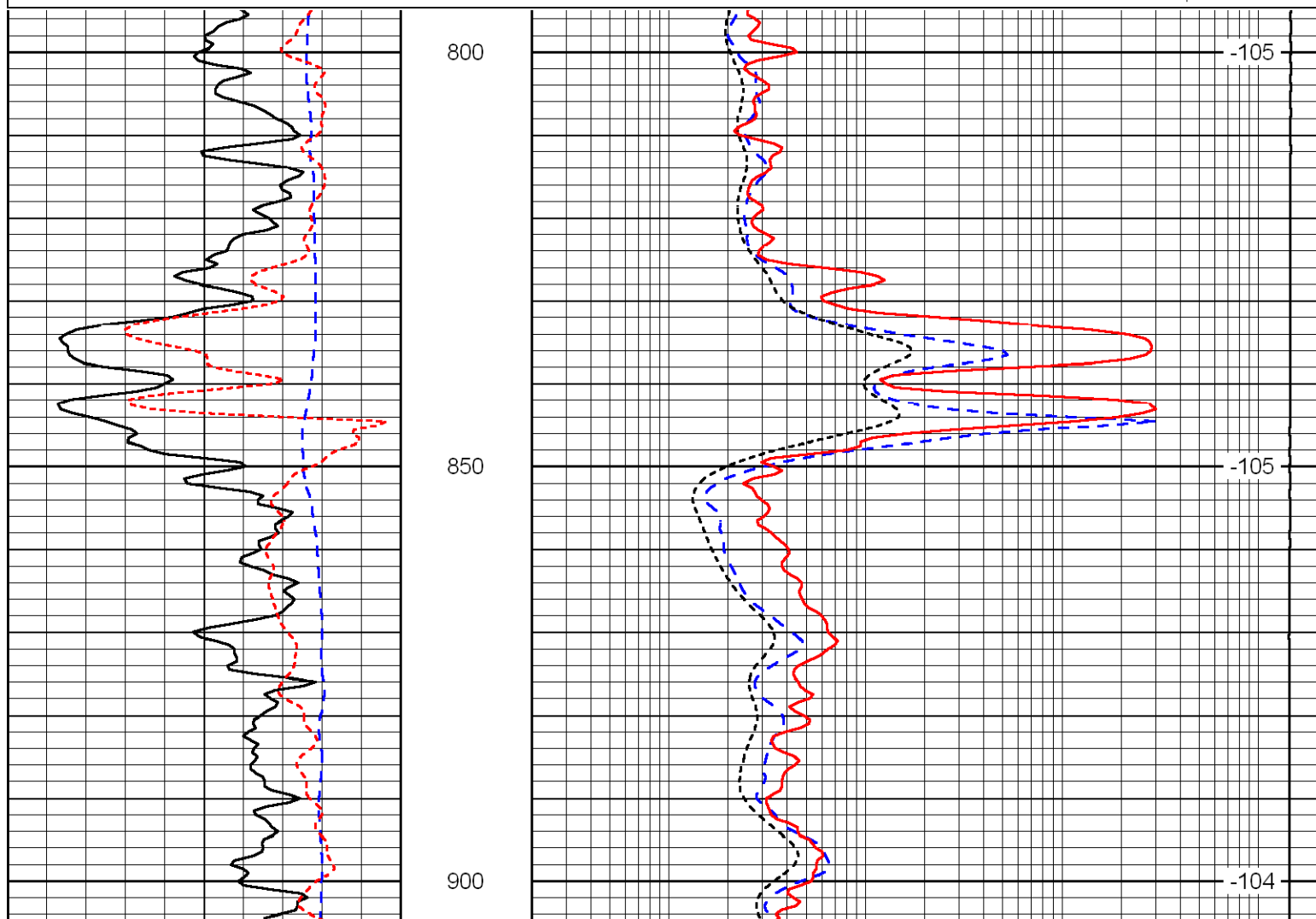






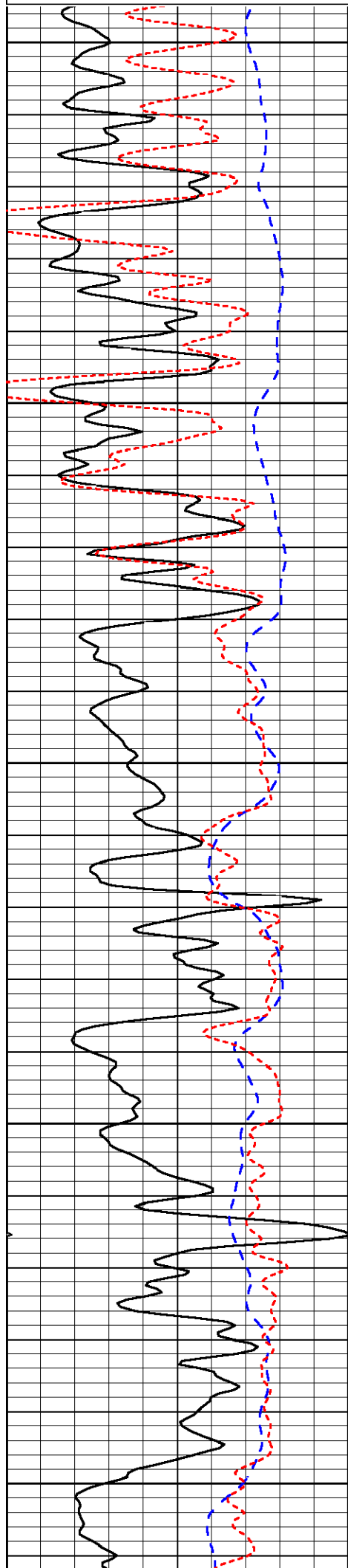


0	Gamma Ray	150	0.2	Deep Resistivity	2000
-200	SP	0	0.2	Medium Resistivity	2000
-160	Rxo / Rt	40	0.2	Shallow Resistivity	2000
			15000	Line Tension	0
					LSPD



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

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
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					LSPD



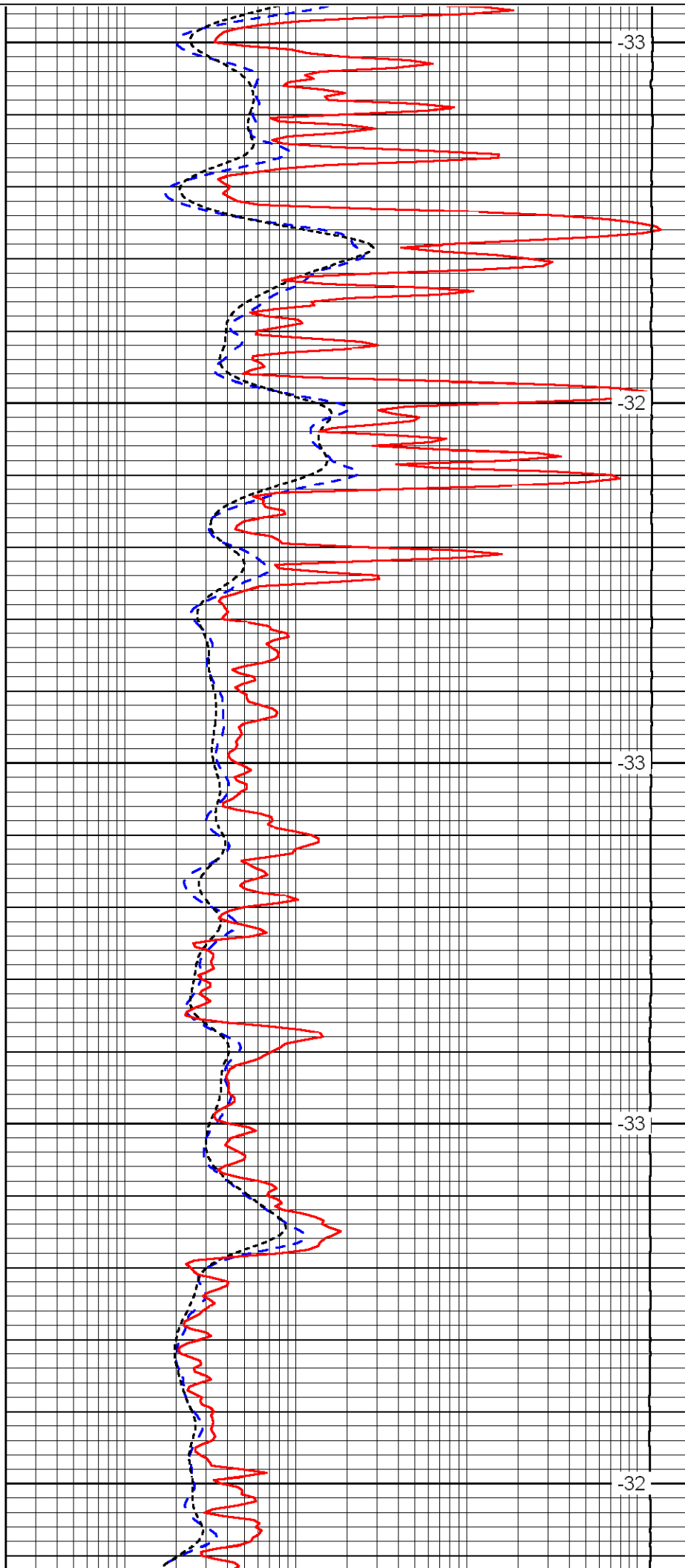
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1950

2000

2050

2100



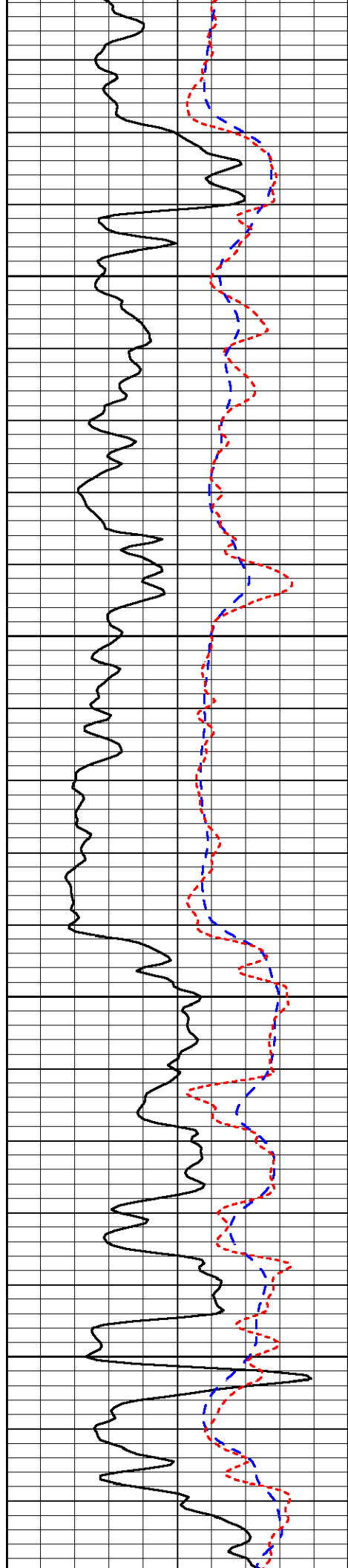
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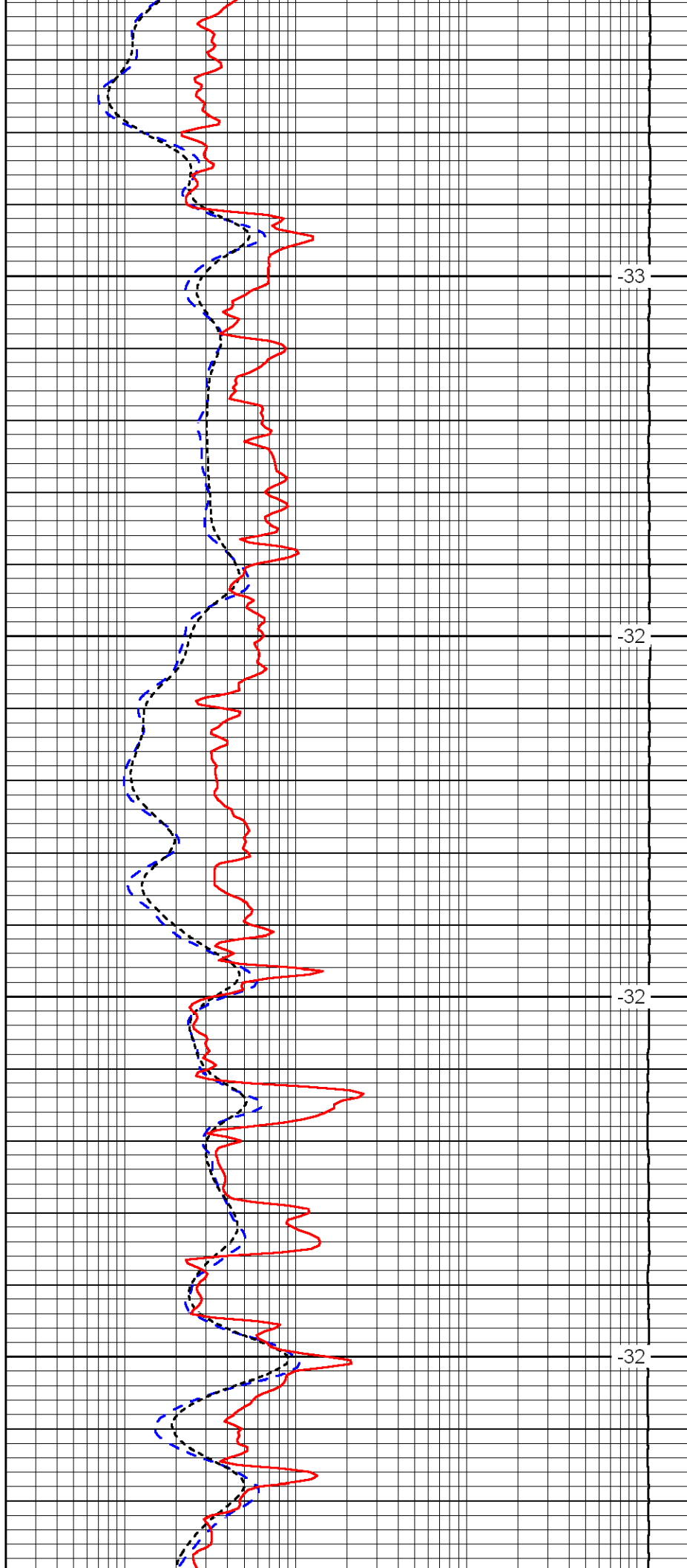


2150

2200

2250

2300

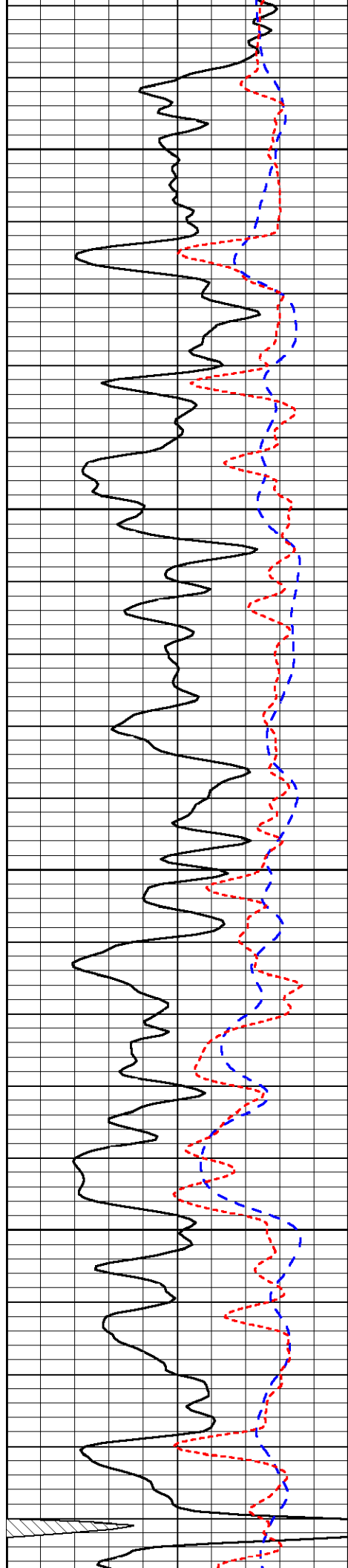


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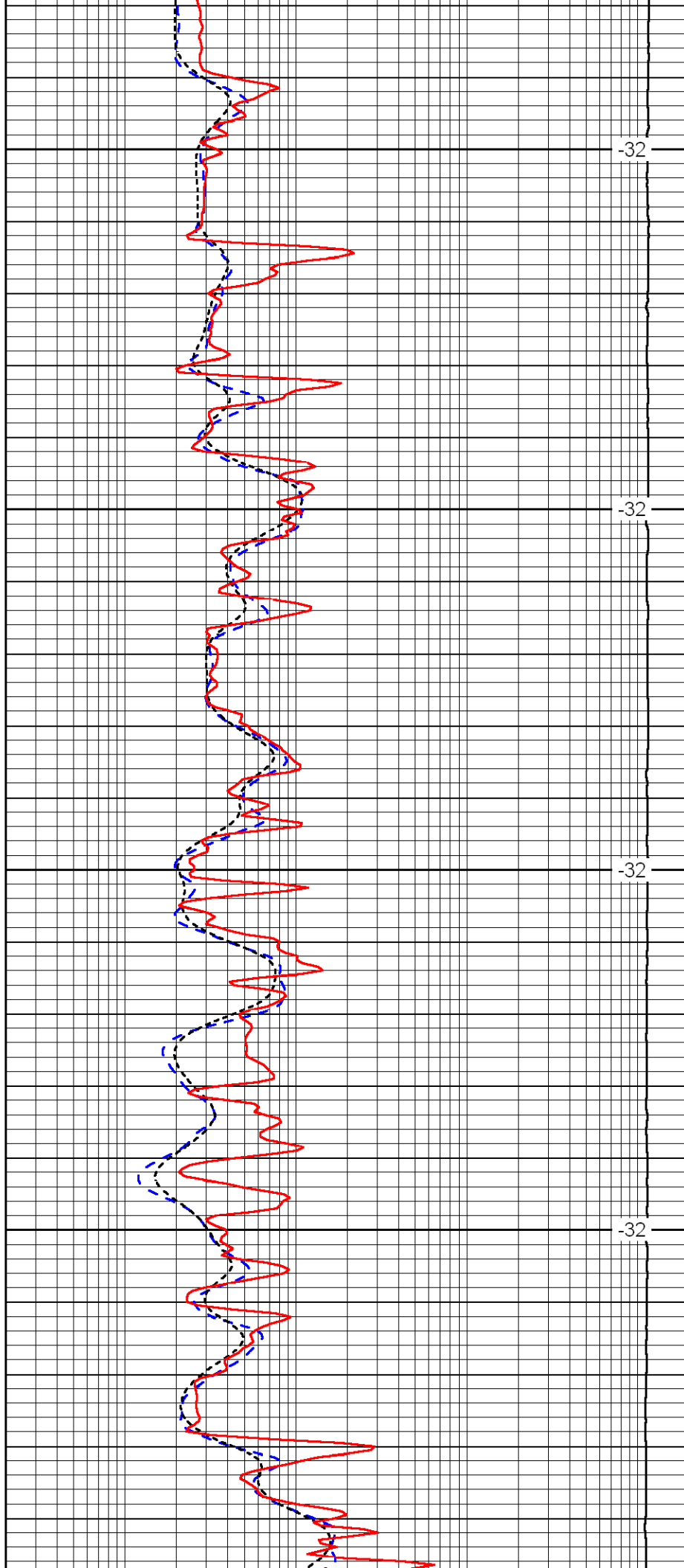


2350

2400

2450

2500

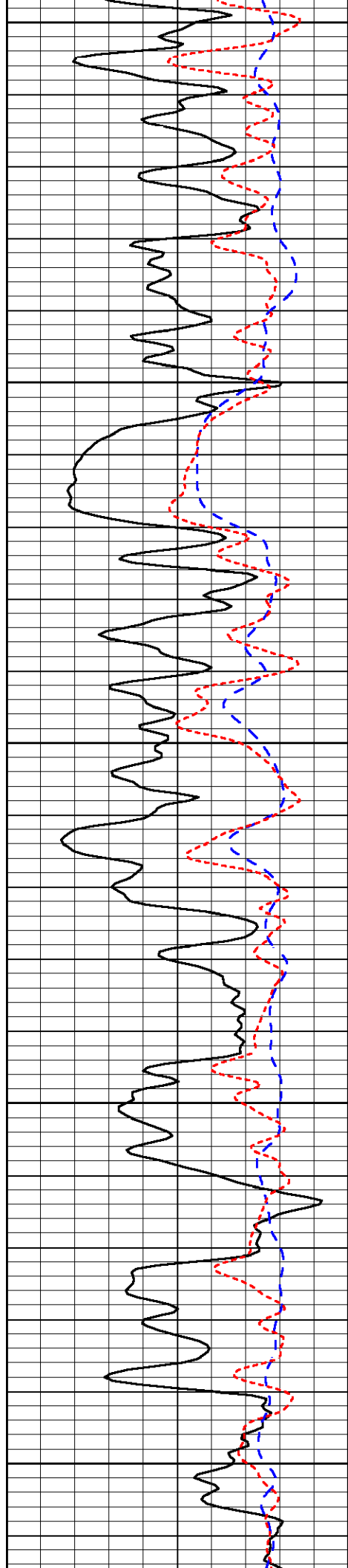


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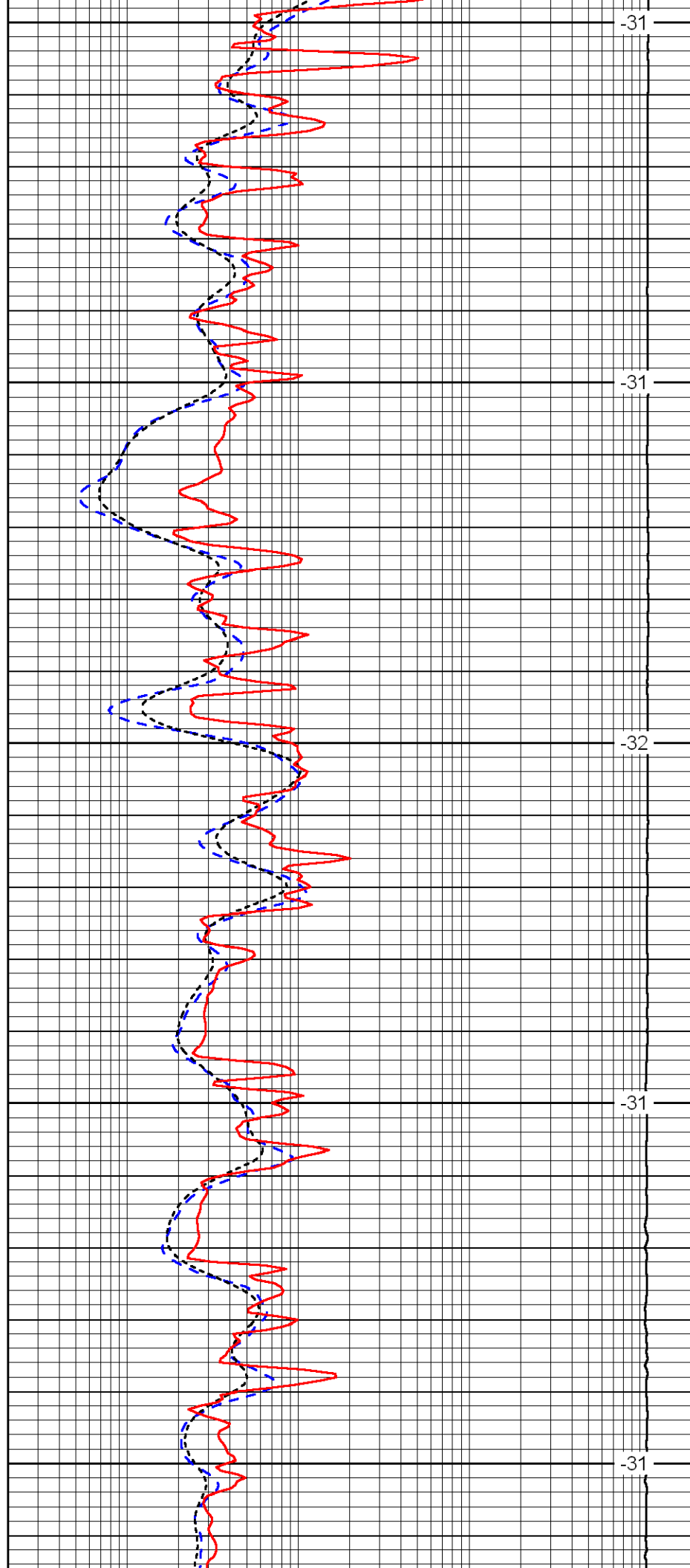
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2700

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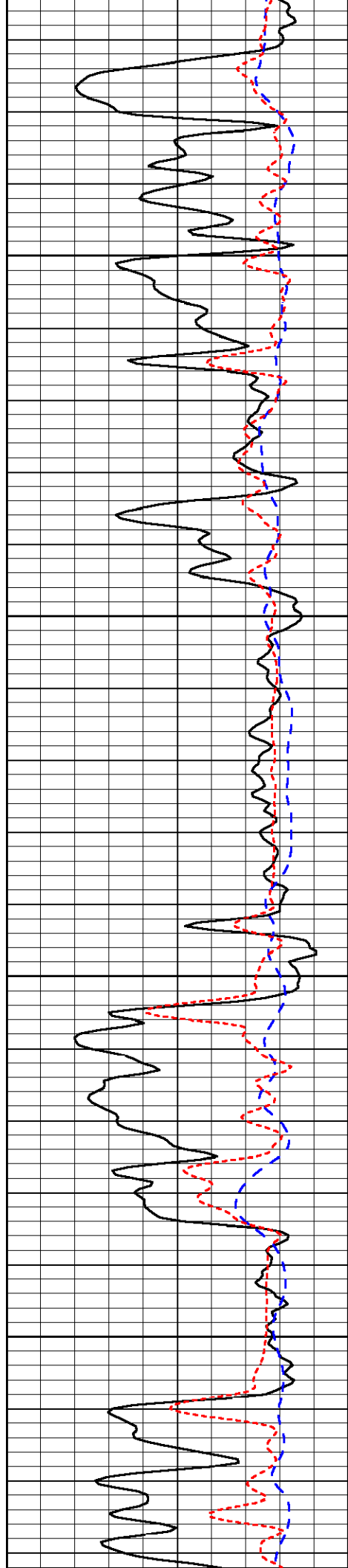
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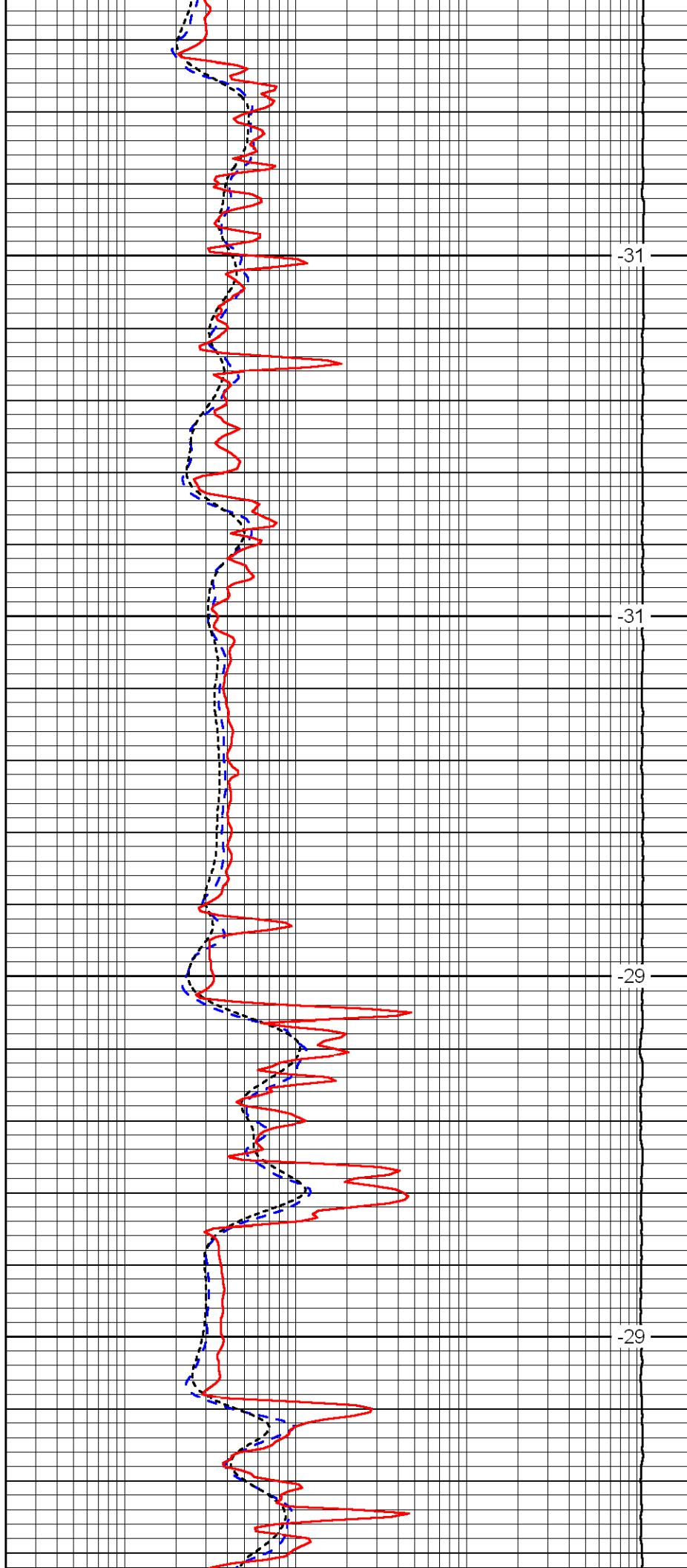


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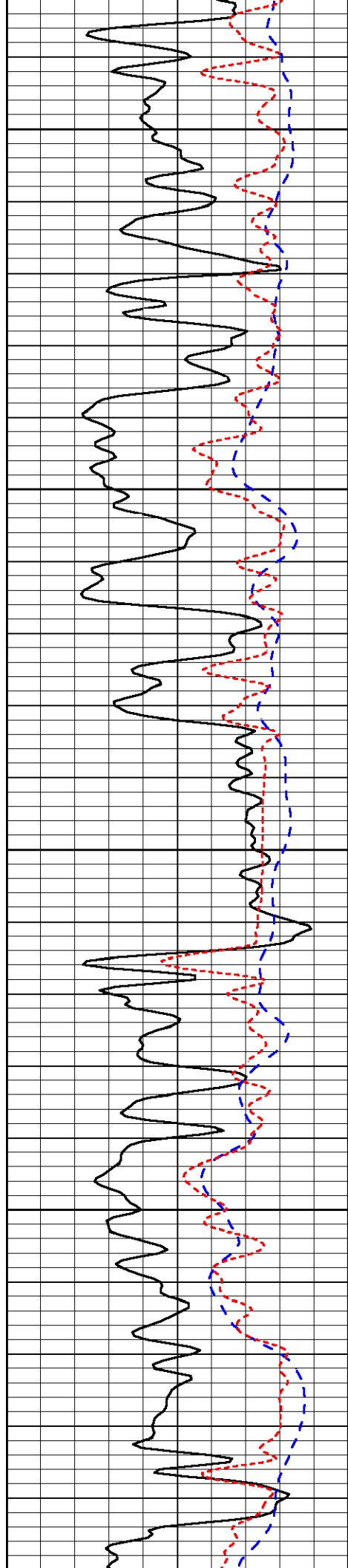


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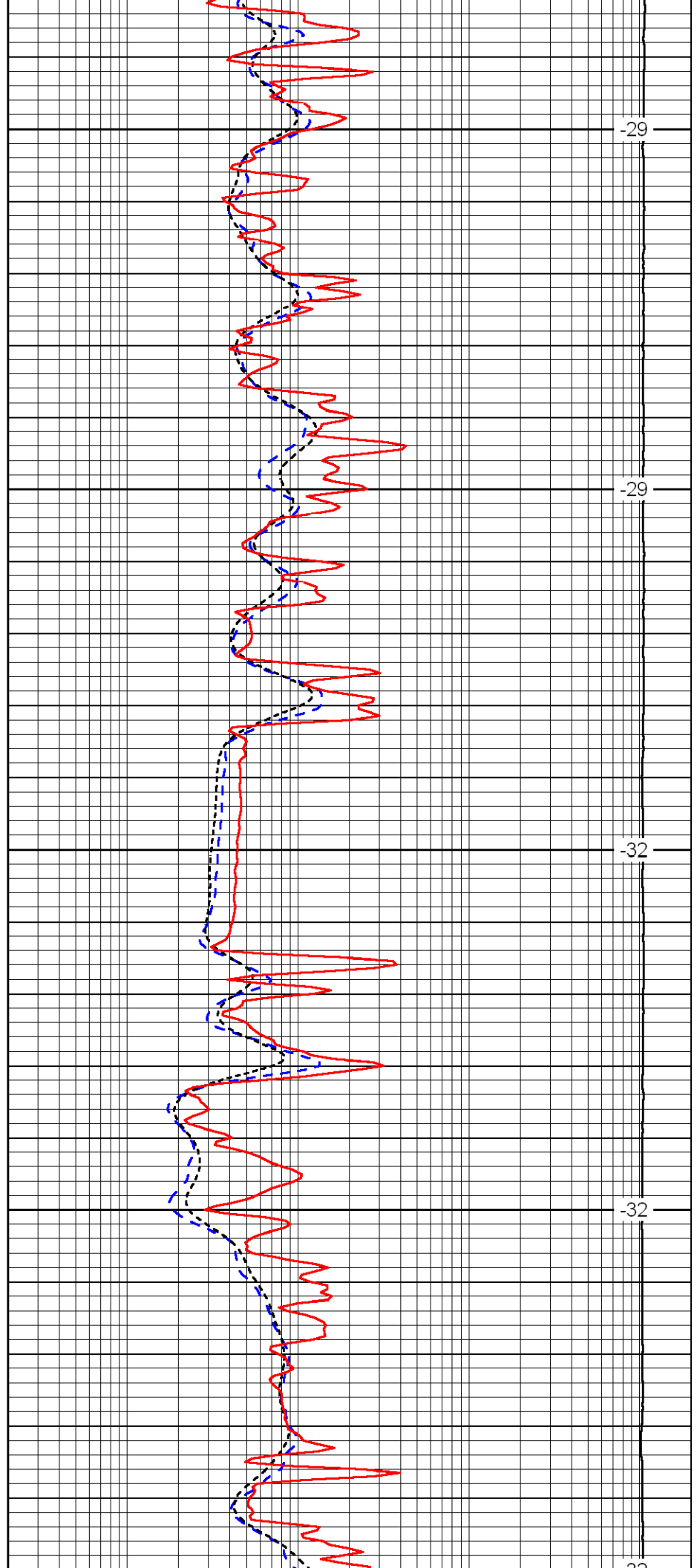
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3050

3100

3150

3200



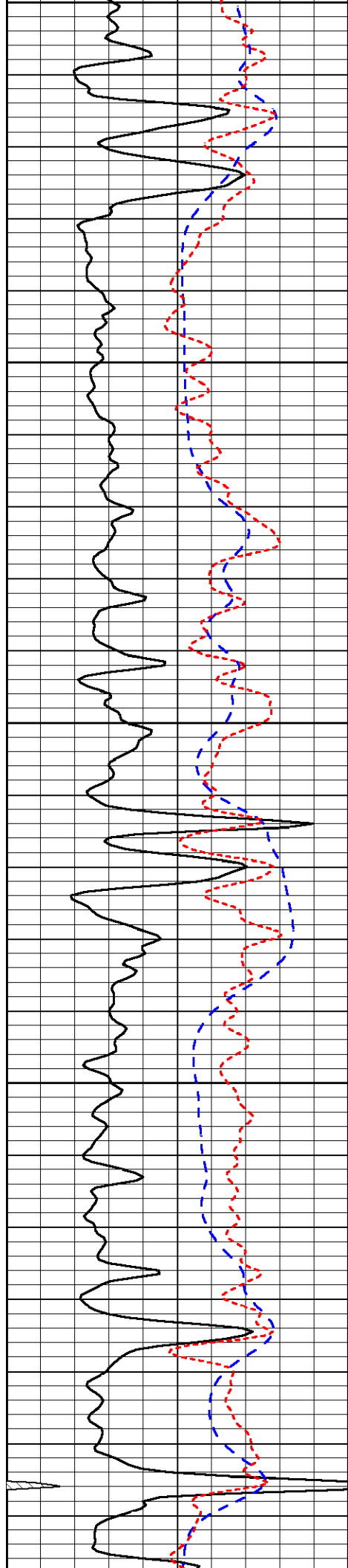
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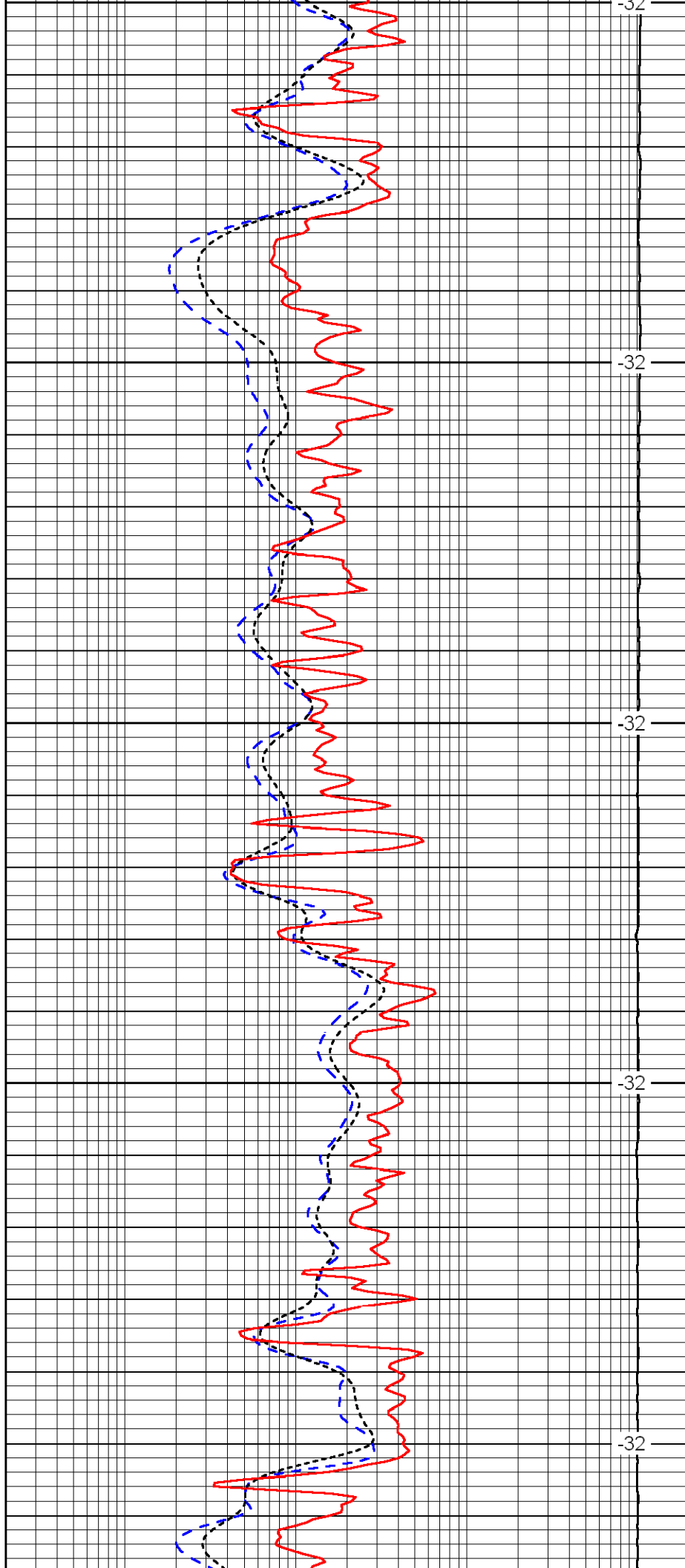
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3300

3350

3400



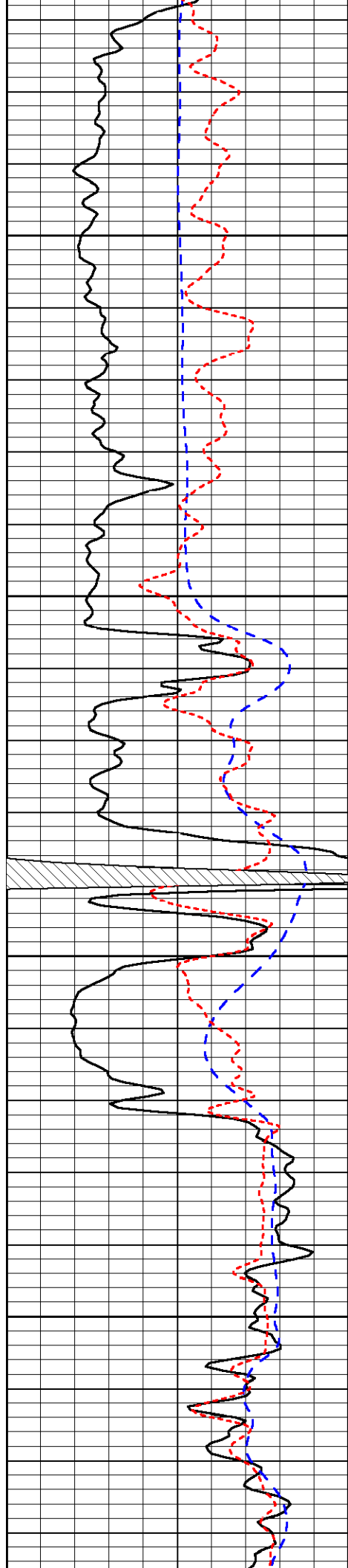
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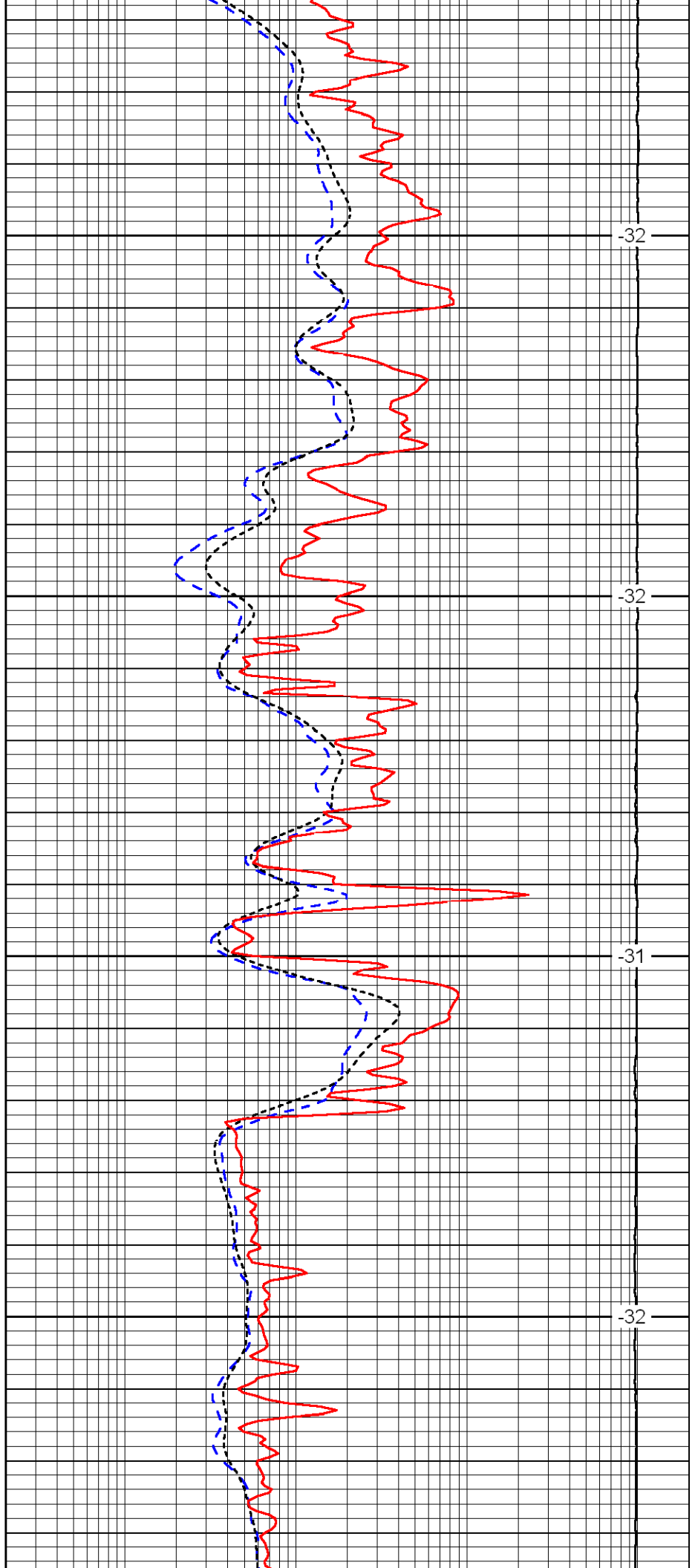


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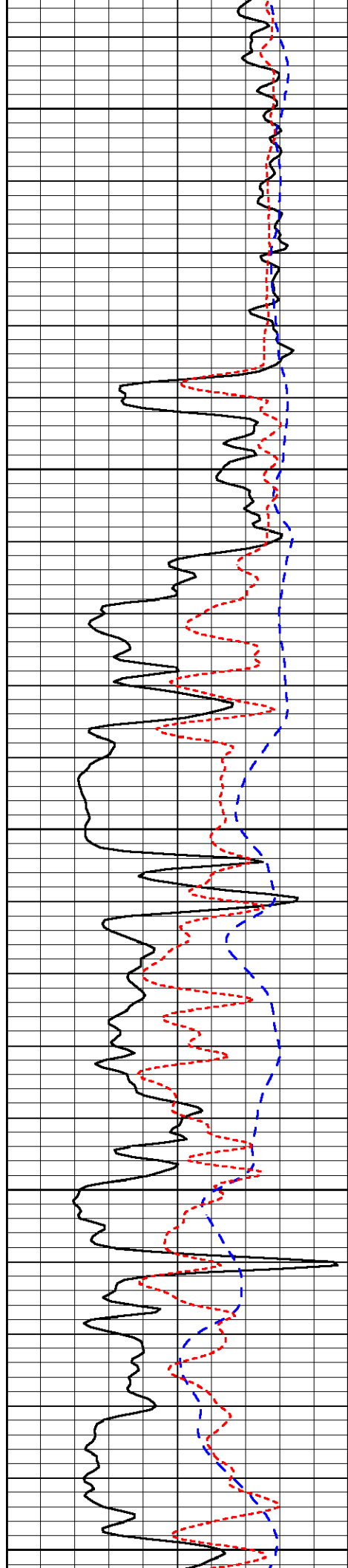


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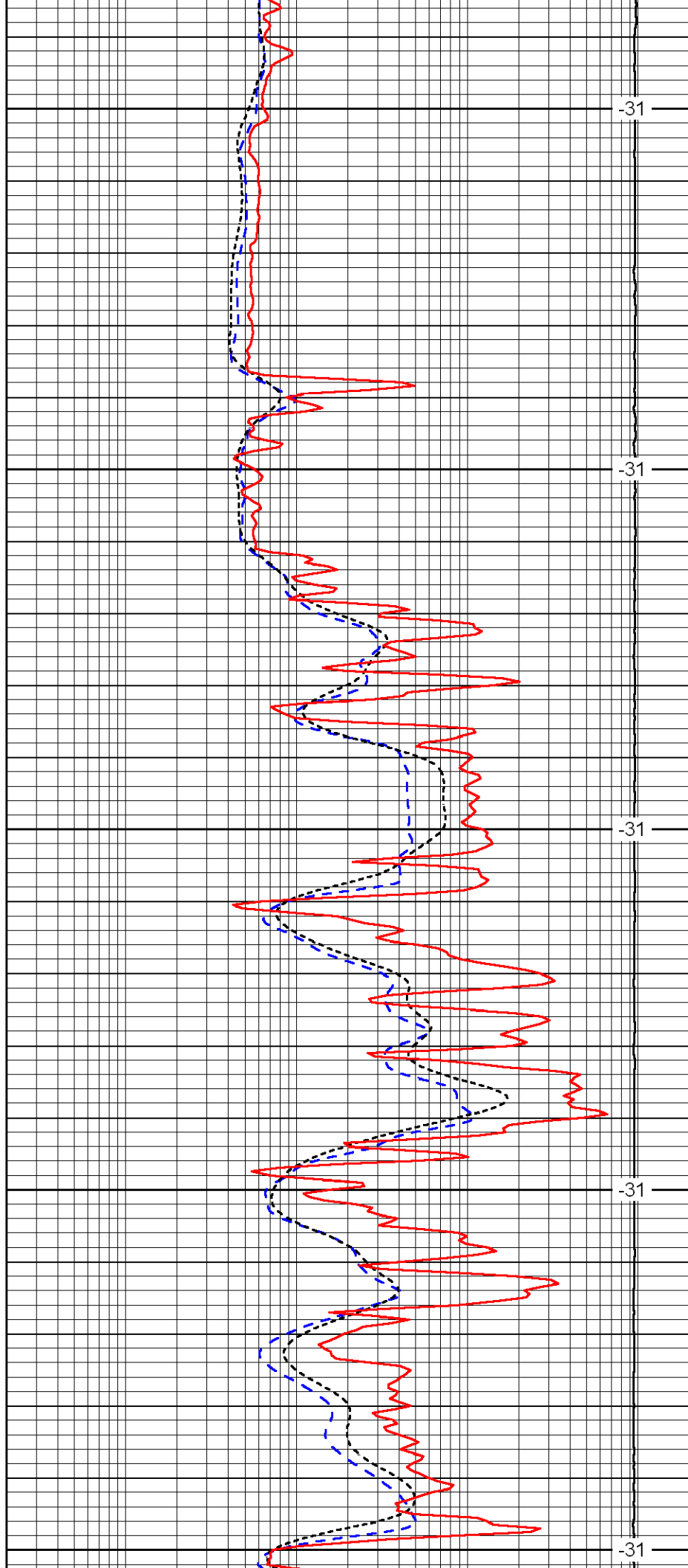
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3800

3850



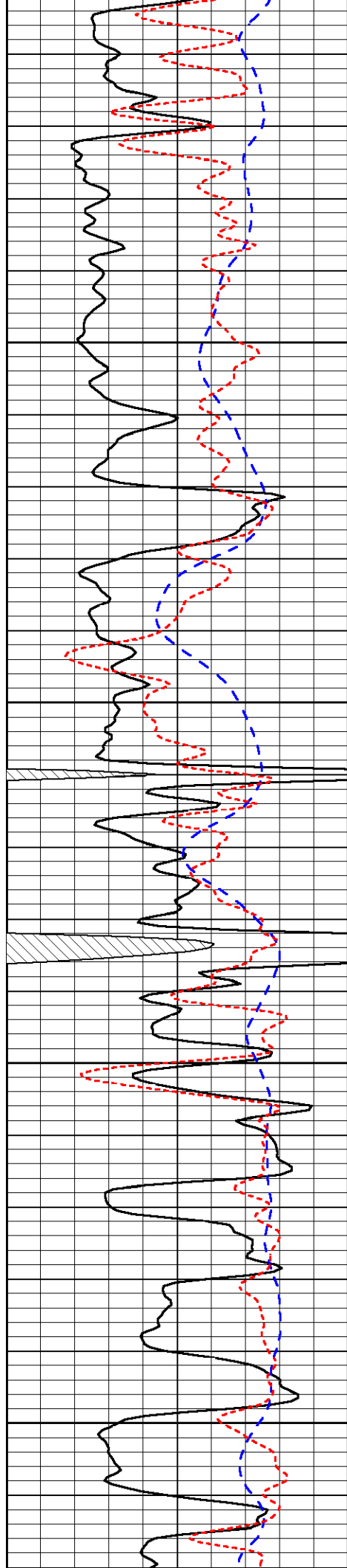
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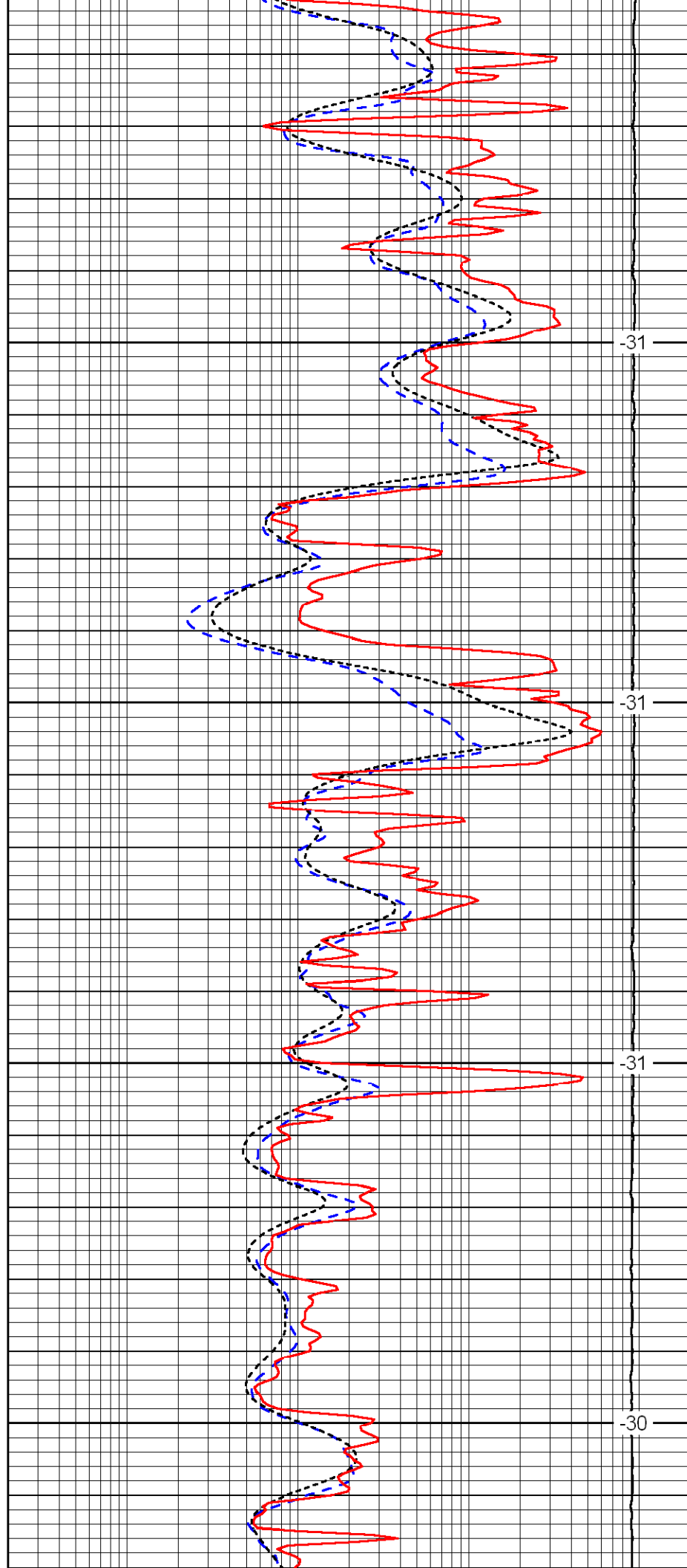


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3950

4000

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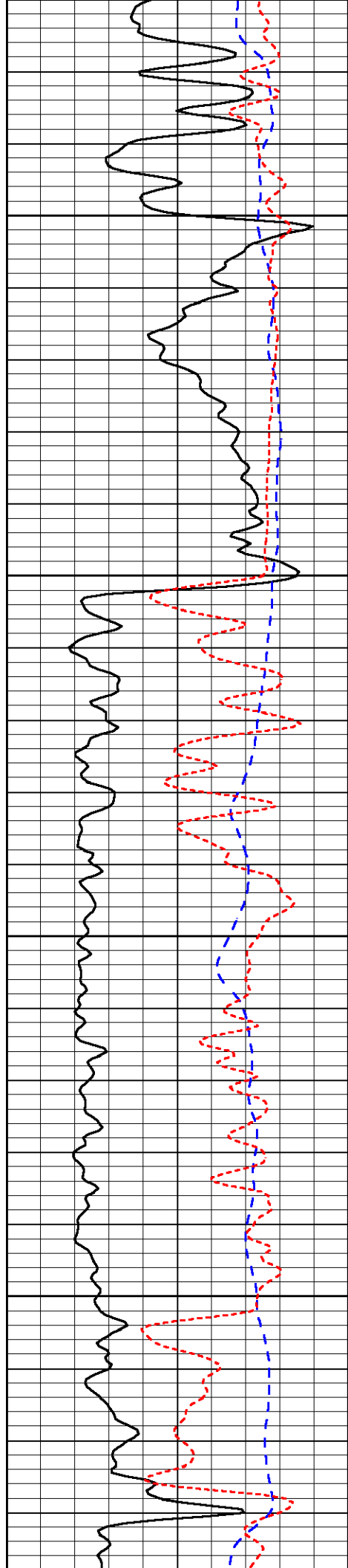


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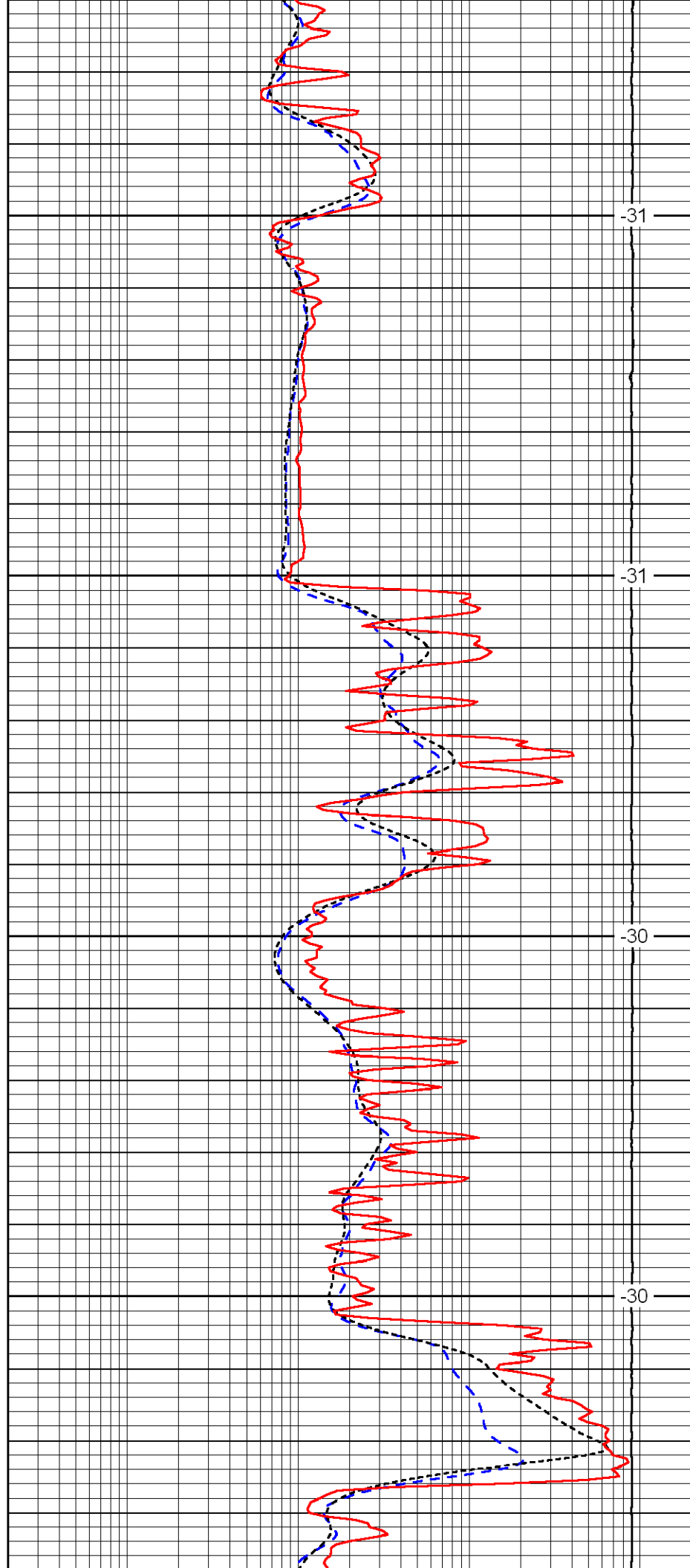


4100

4150

4200

4250

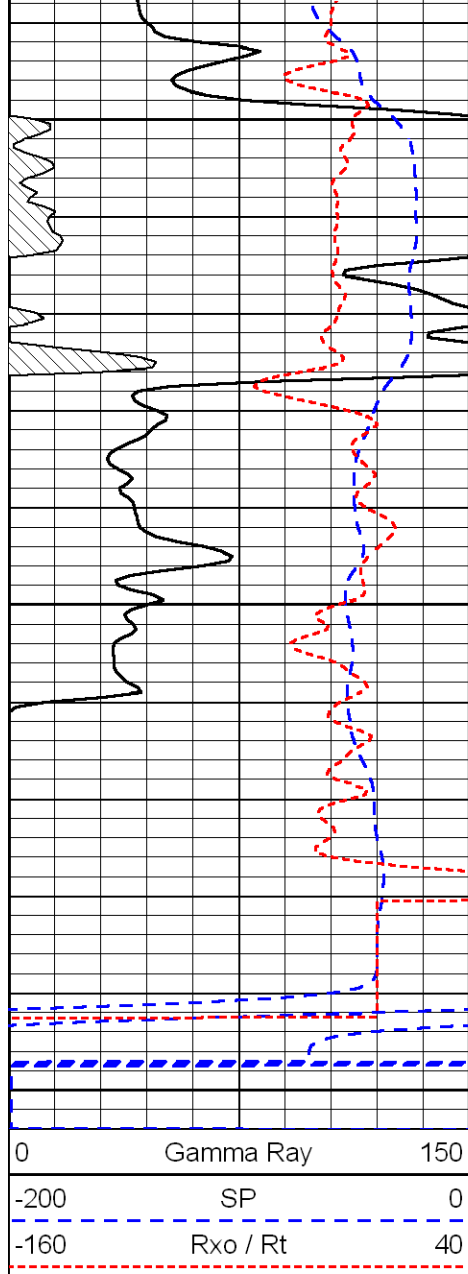


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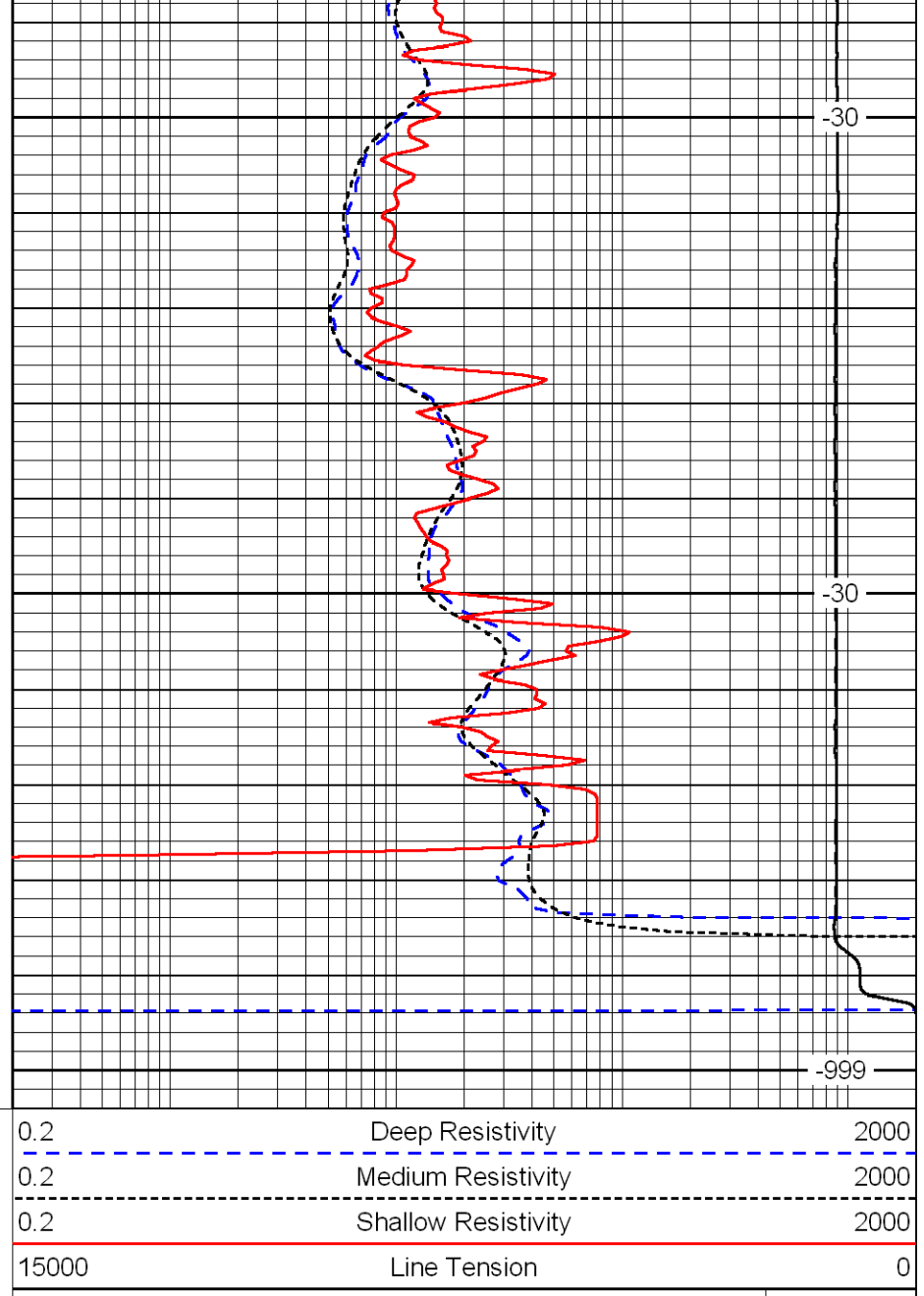


4300

4350

4400

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



-30

-30

-999

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

LSPD