



Dual Induction Log

Pioneer Energy Services

API No.

15-007-22,254-00-01

Company **Chieftain Oil Company, Inc.**

Well **Chieftain No.3**

Field

County **Barber** State **Kansas**

Location

**SW SW NE
2970' FSL & 2310' FEL**

Sec: 35 Twp: 31 S Rge: 12 W

Permanent Datum Ground Level Elevation 1615
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
CNL/CDL
MEL

Elevation
K.B. 1623
D.F. 1615
G.L. 1615

Date 10/16/2012

Run Number

One

Depth Driller

4790

Depth Logger

4788

Bottom Logged Interval

4787

Top Log Interval

250

Casing Driller

8.625 @ 258

Casing Logger

252

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

5100

Density / Viscosity

8.9 64

pH / Fluid Loss

10.0 7.5

Source of Sample

Flowline

Rm @ Meas. Temp

.40 @ 76

Rmf @ Meas. Temp

.30 @ 76

Rmc @ Meas. Temp

.54 @ 76

Source of Rmf / Rmc

Charts

Rm @ BHT

.25 @ 124

Operating Rig Time

4 Hours

Max Rec. Temp. F

124

Equipment Number

15

Location

Hays

Recorded By

D. Kerr

Witnessed By

Arden Ratzlaff

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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

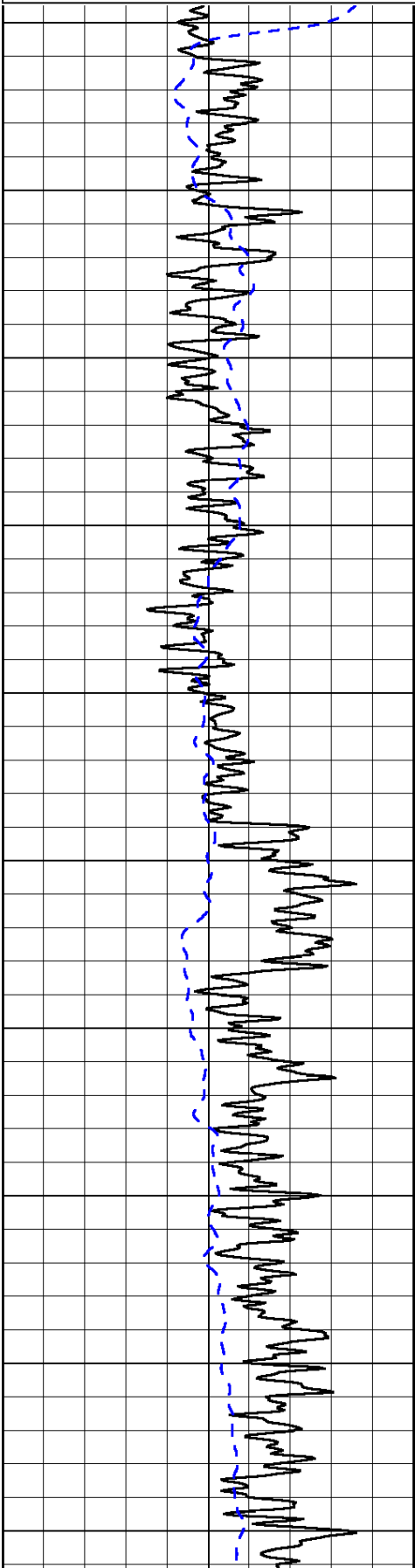
Thank you for using Pioneer Energy Services
www.pioneerenergy.com
785 625 3858

Medicine Lodge KS, 1/2 North to Blue Gates,
West Into, Keep Right at Y

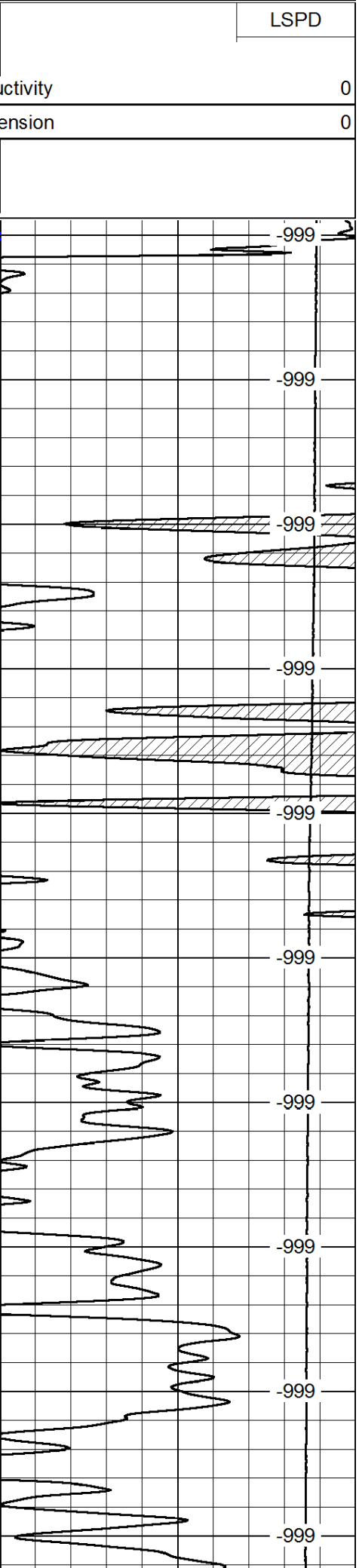
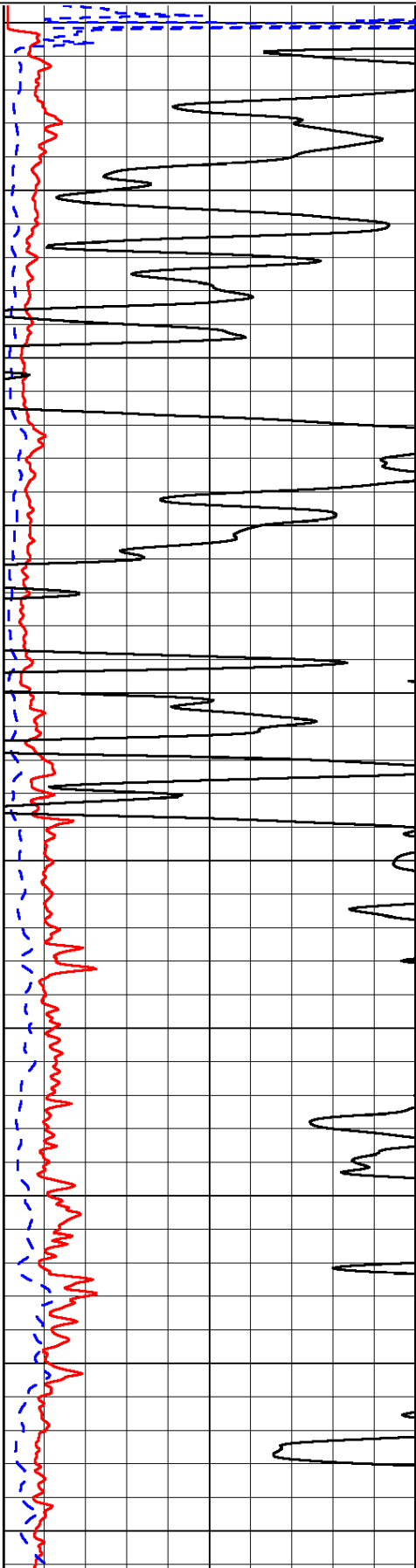
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Presentation Format: dil2in
Dataset Creation: Tue Oct 16 07:54:41 2012
Charted by: Depth in Feet scaled 1:600

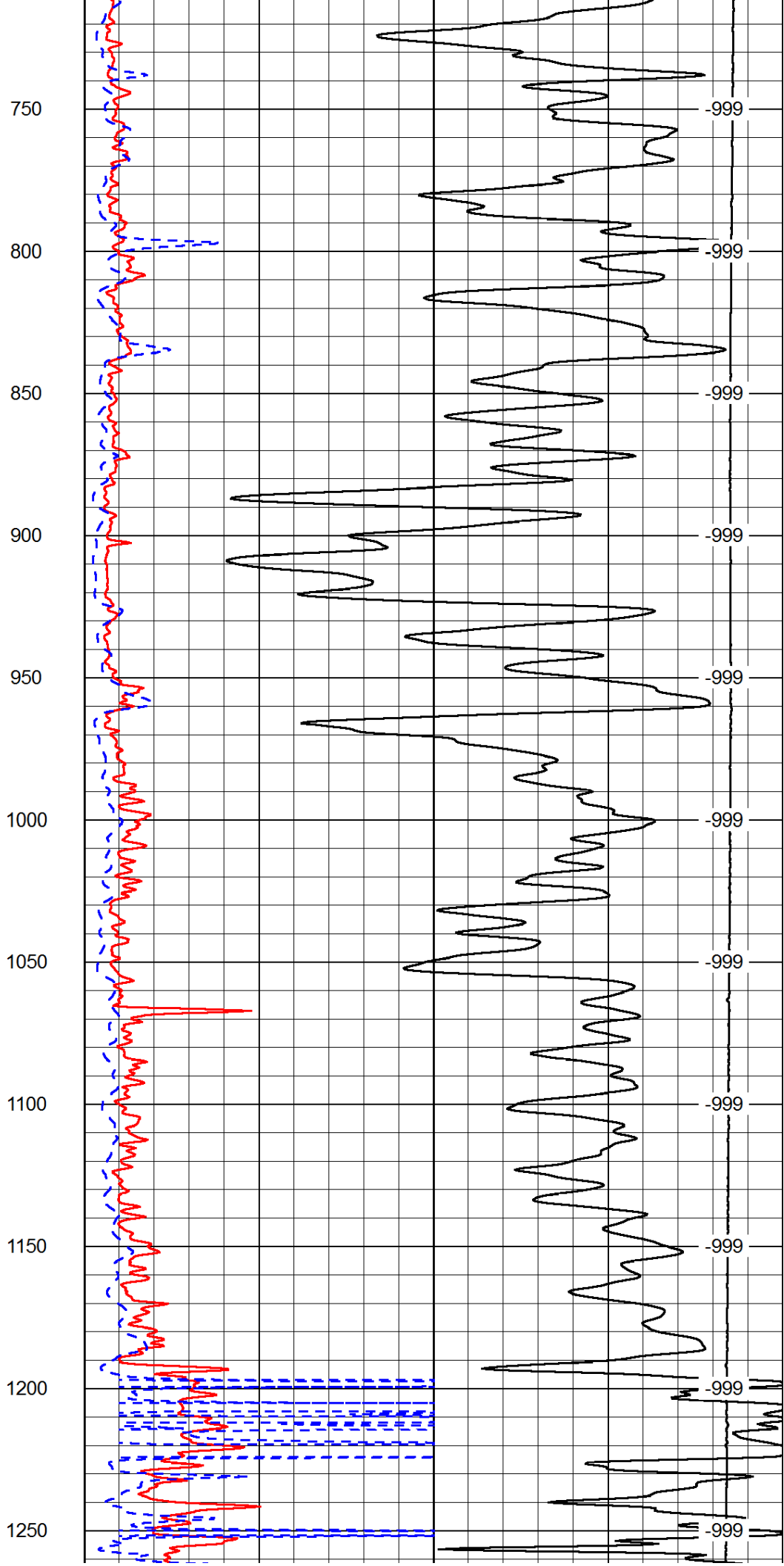
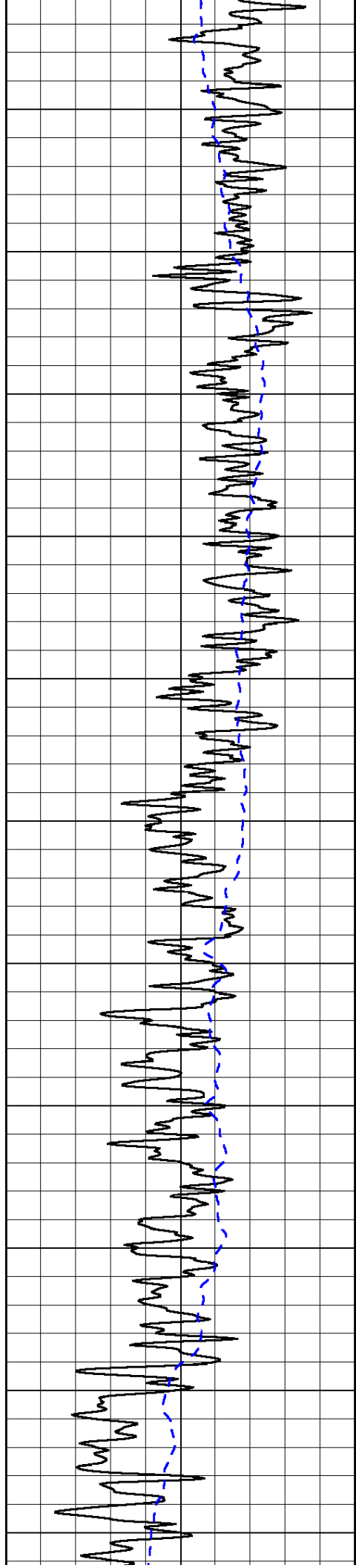
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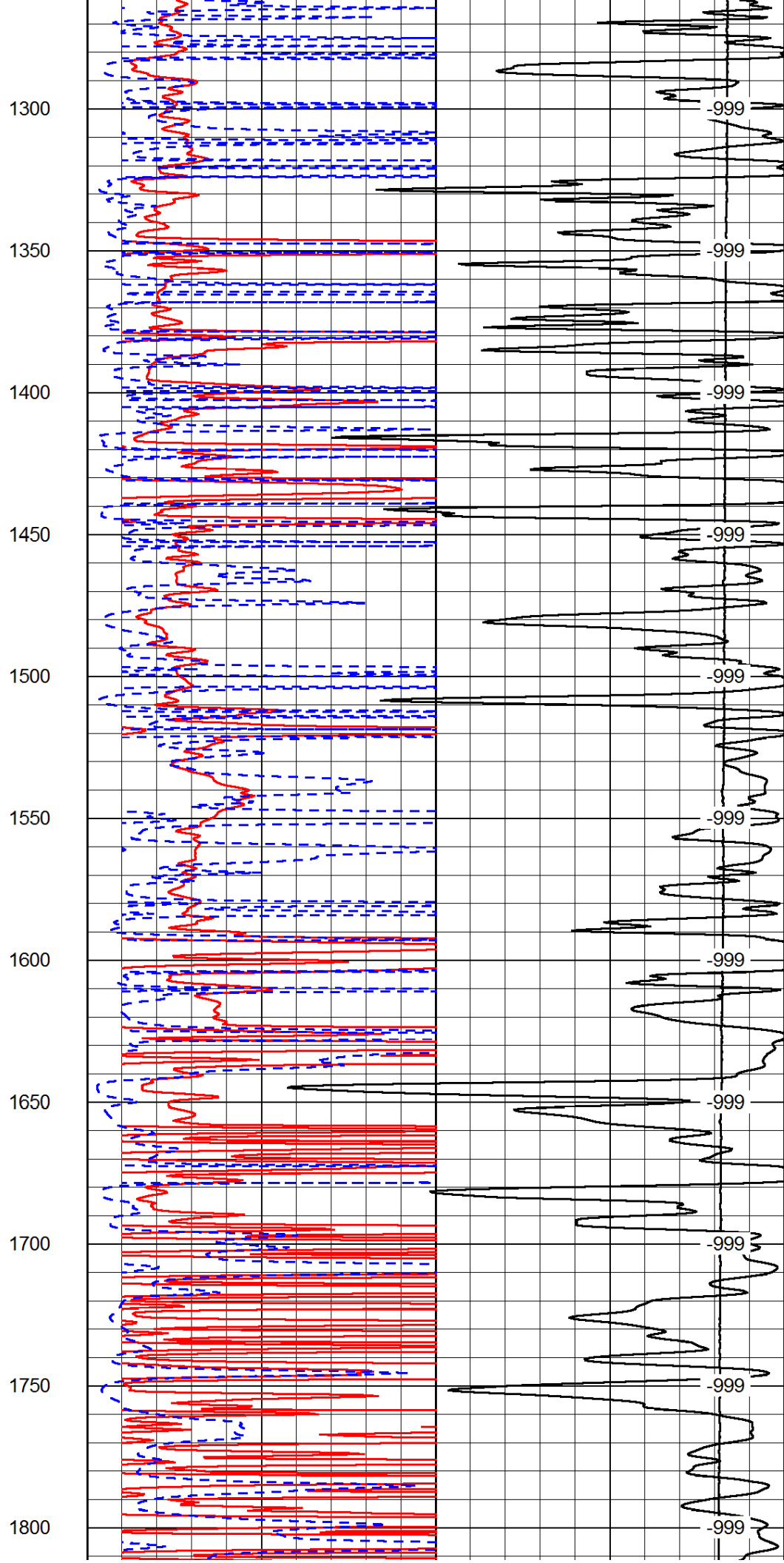
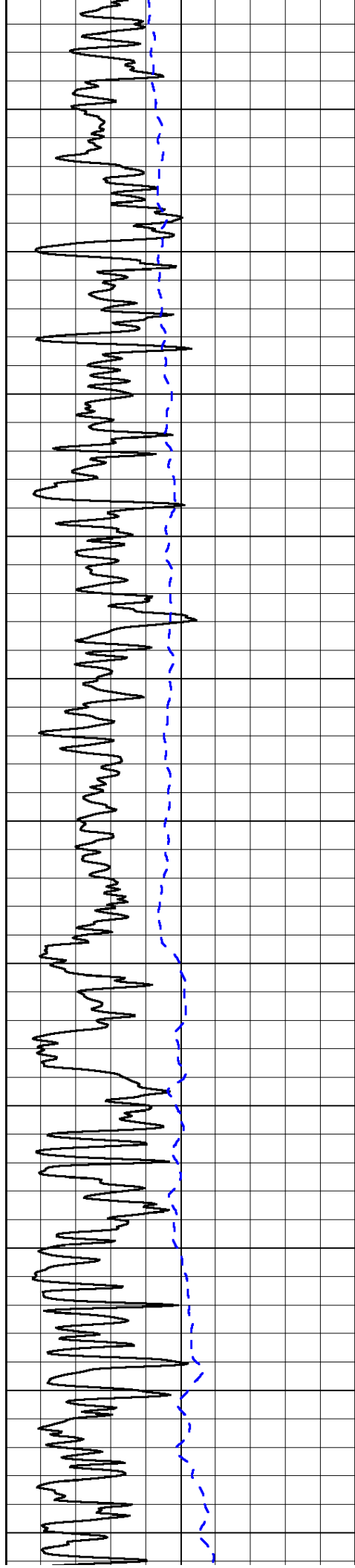
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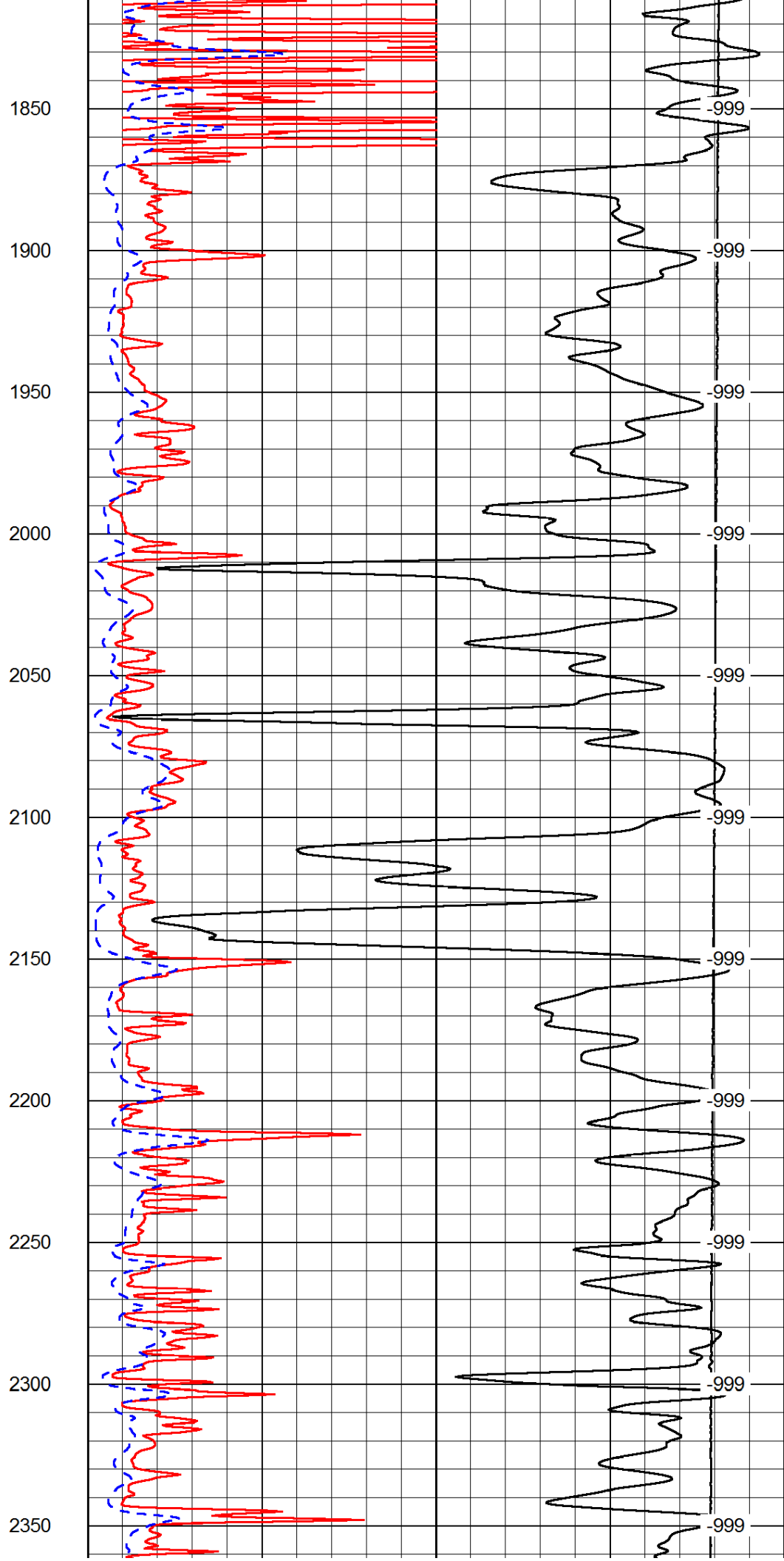
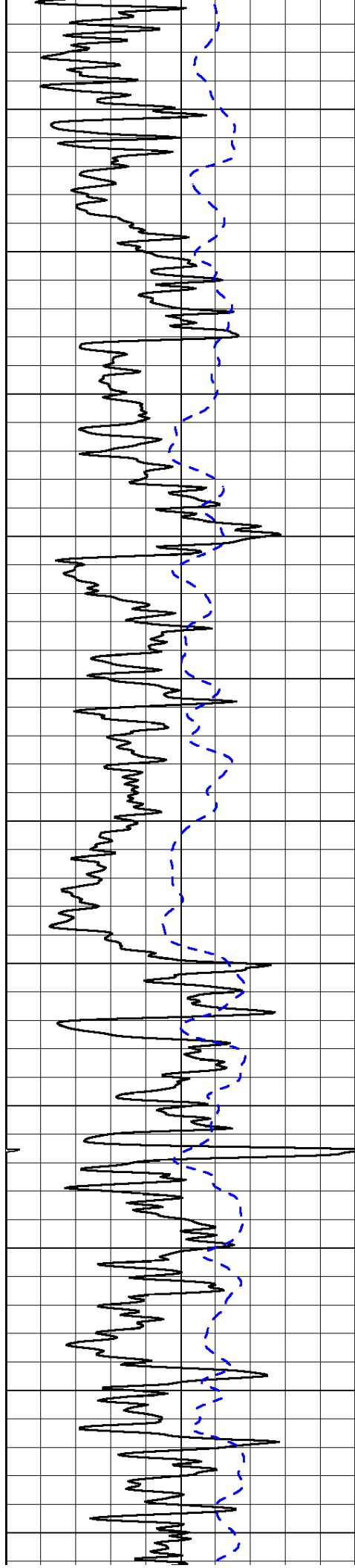


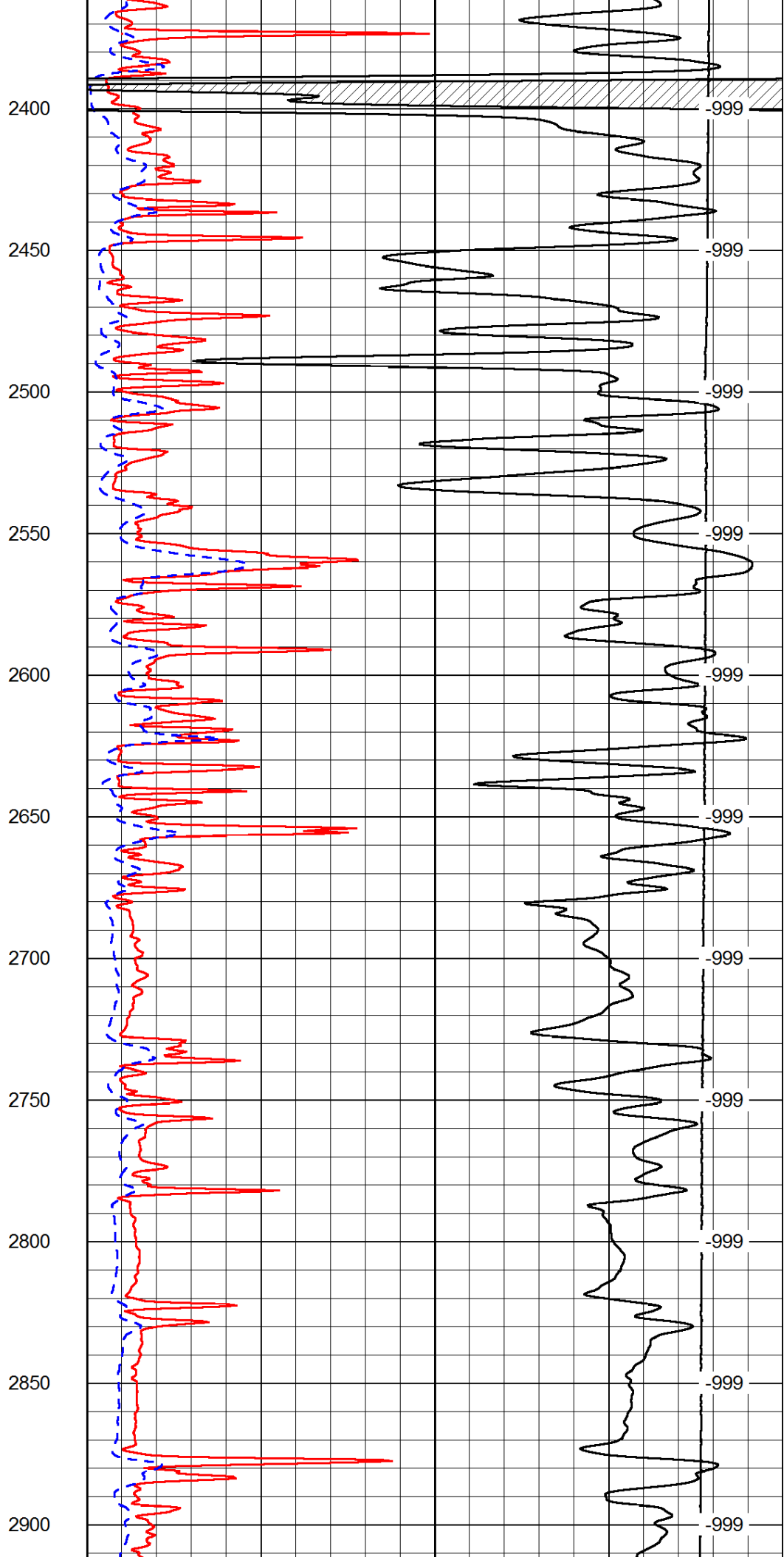
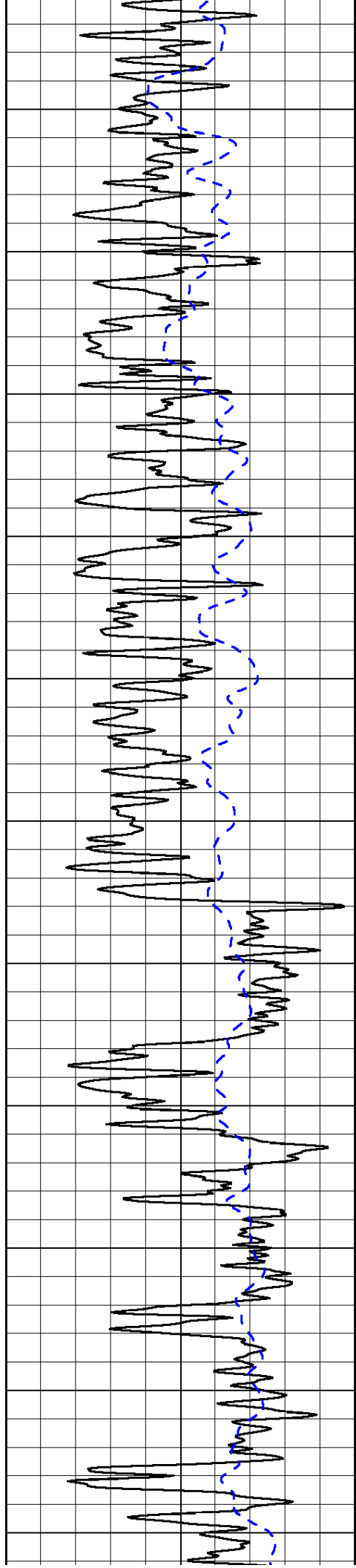
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0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

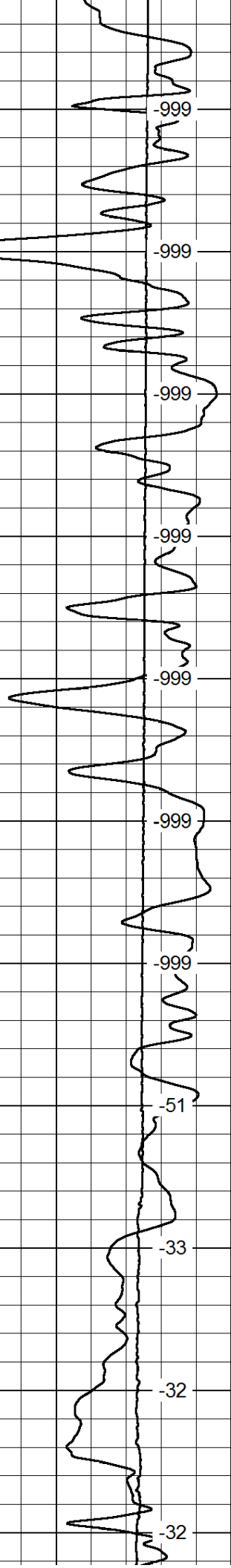
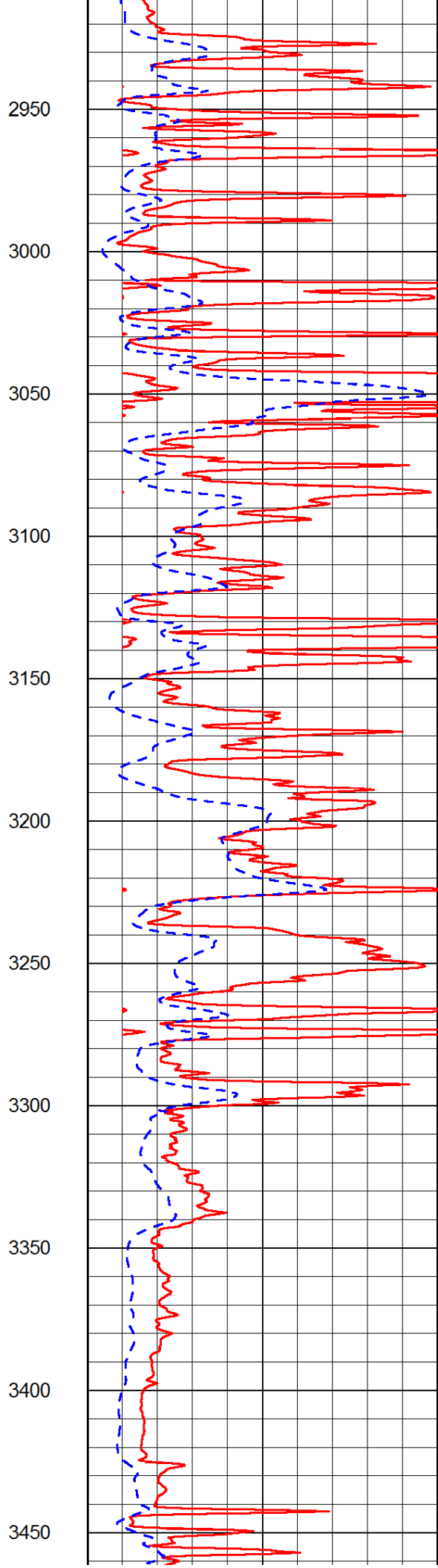
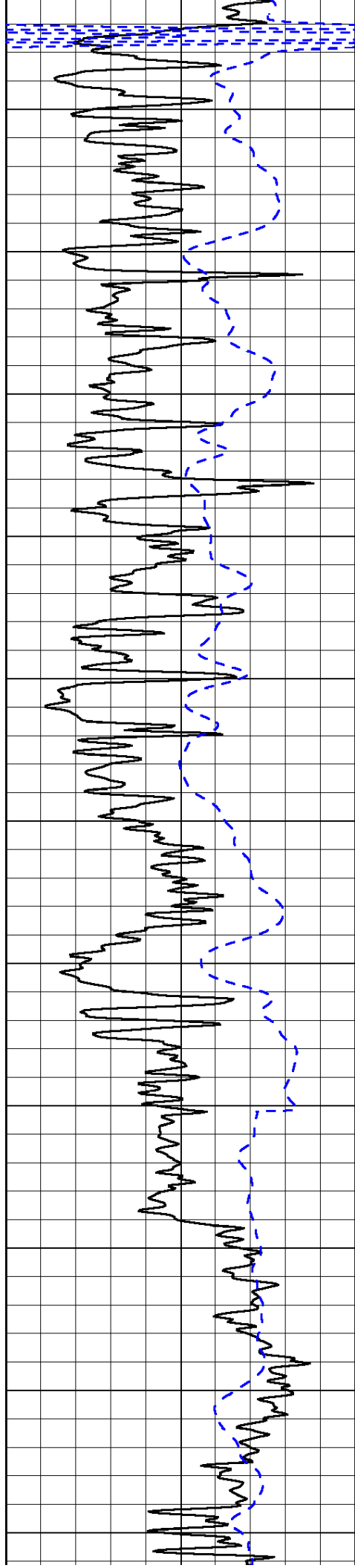


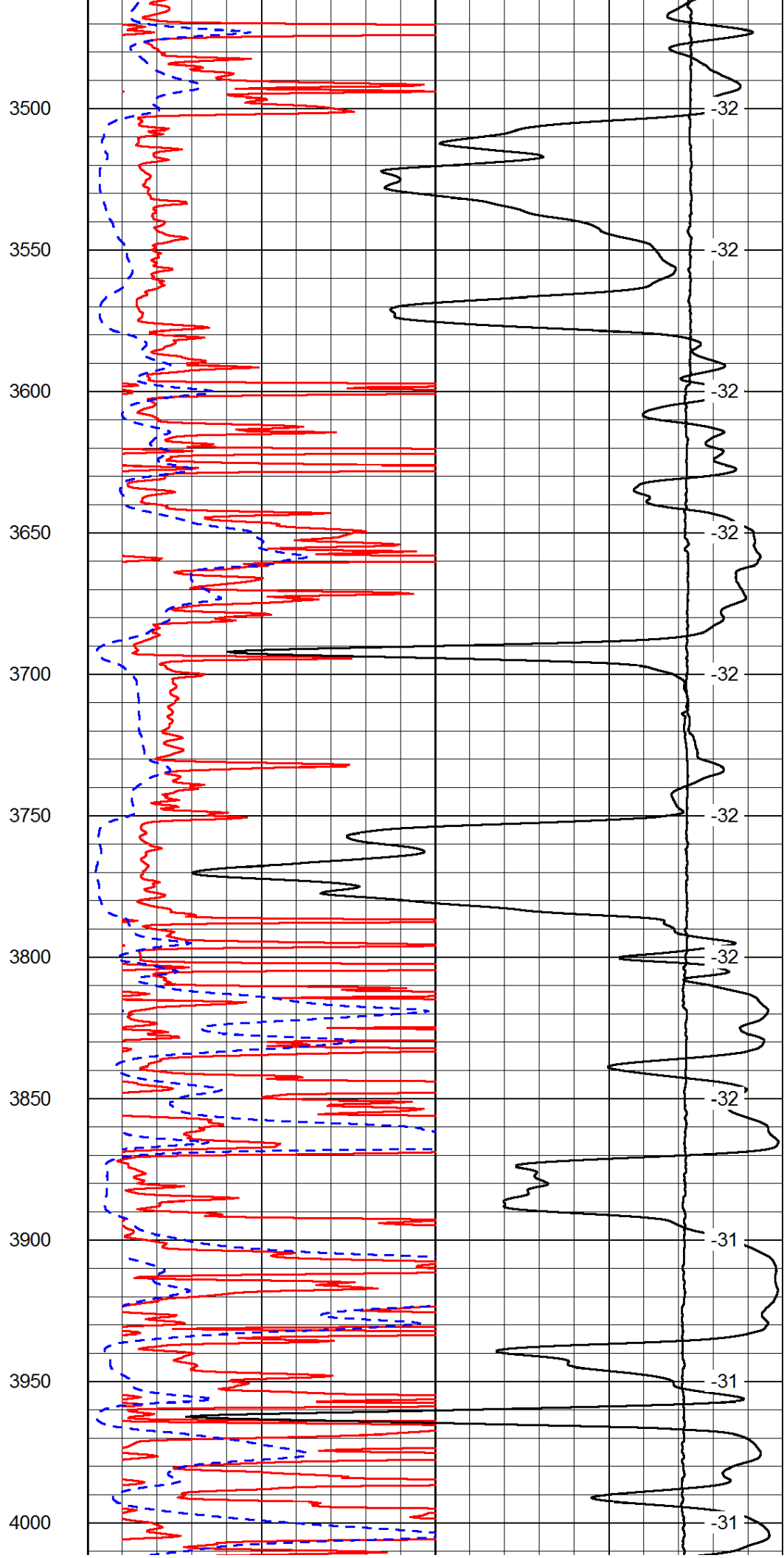
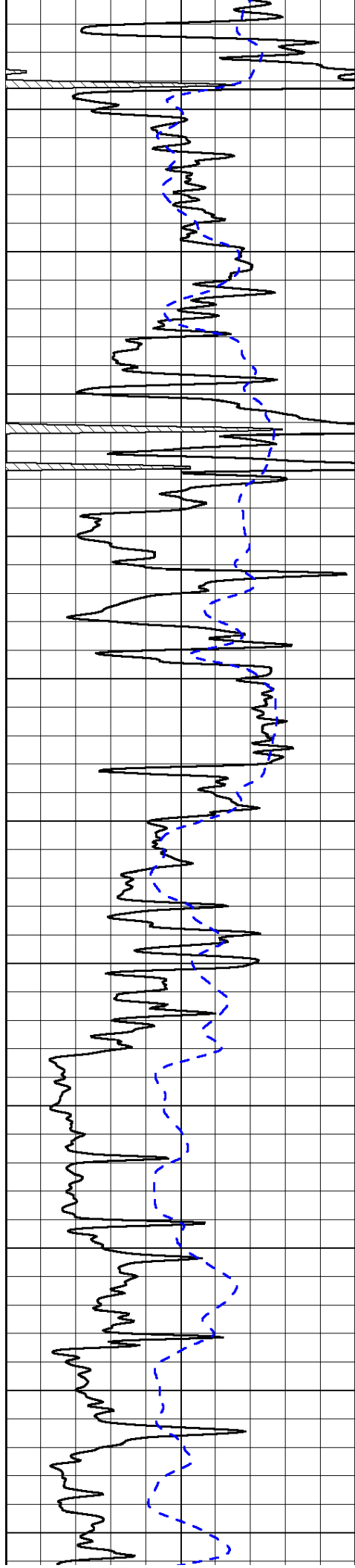


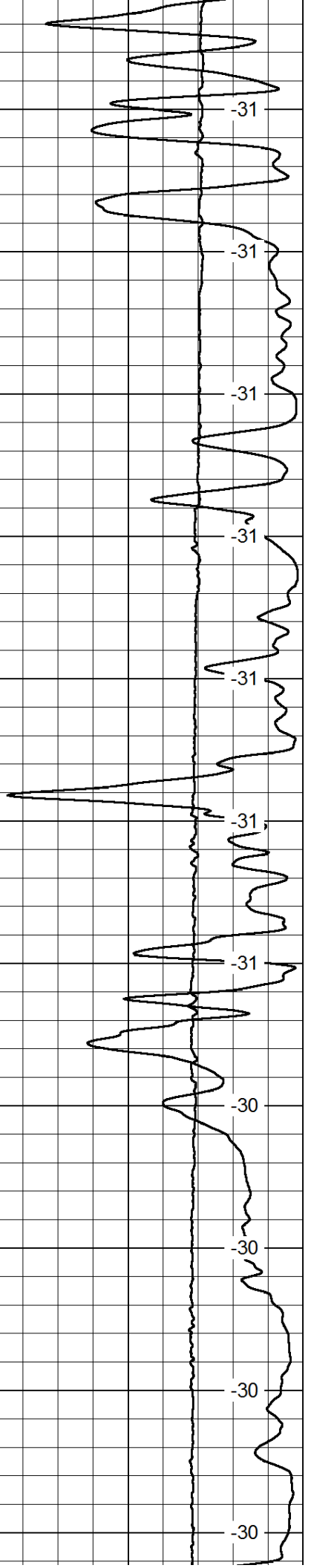
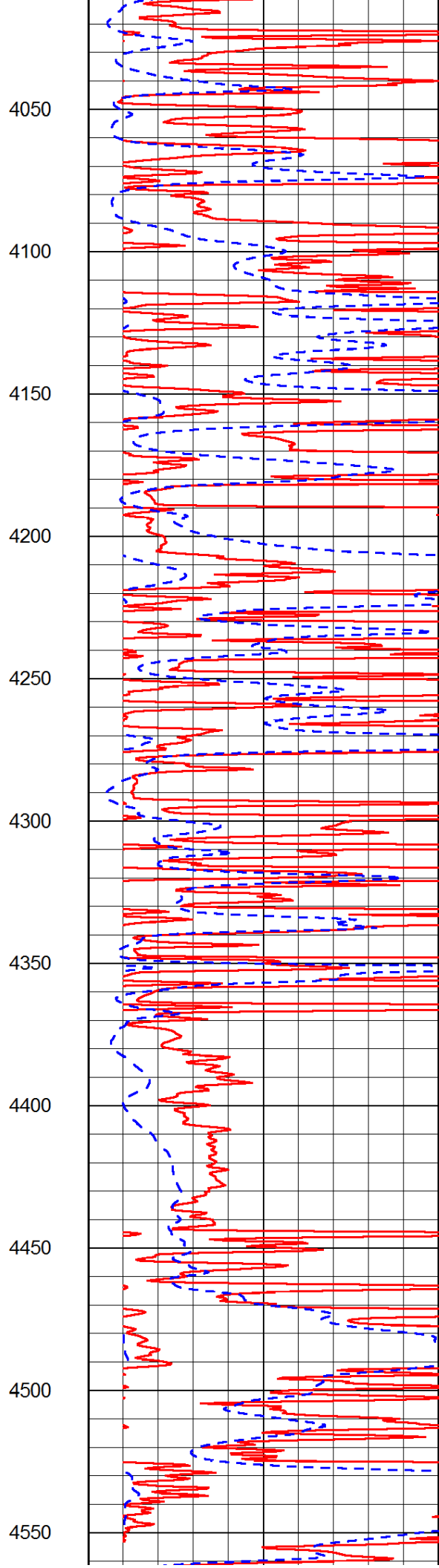
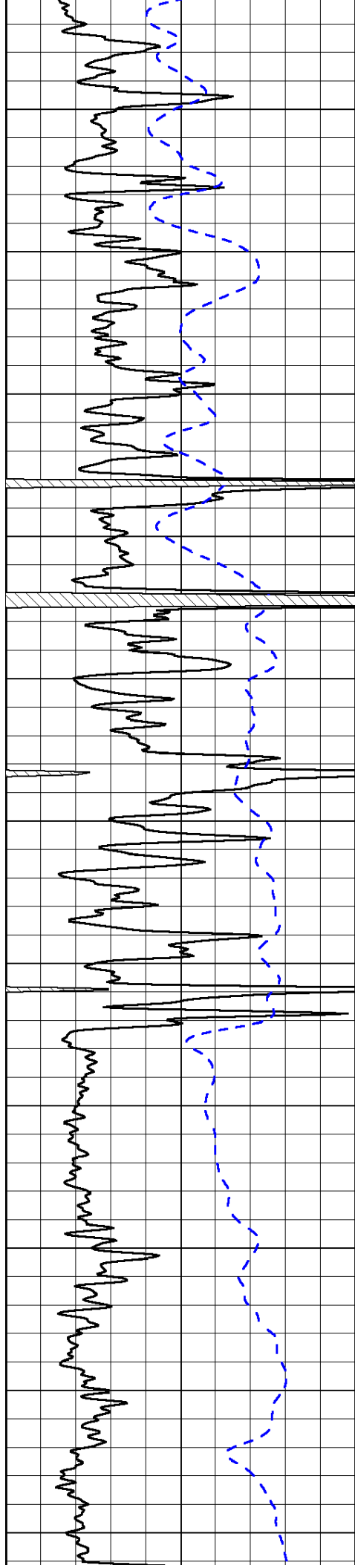


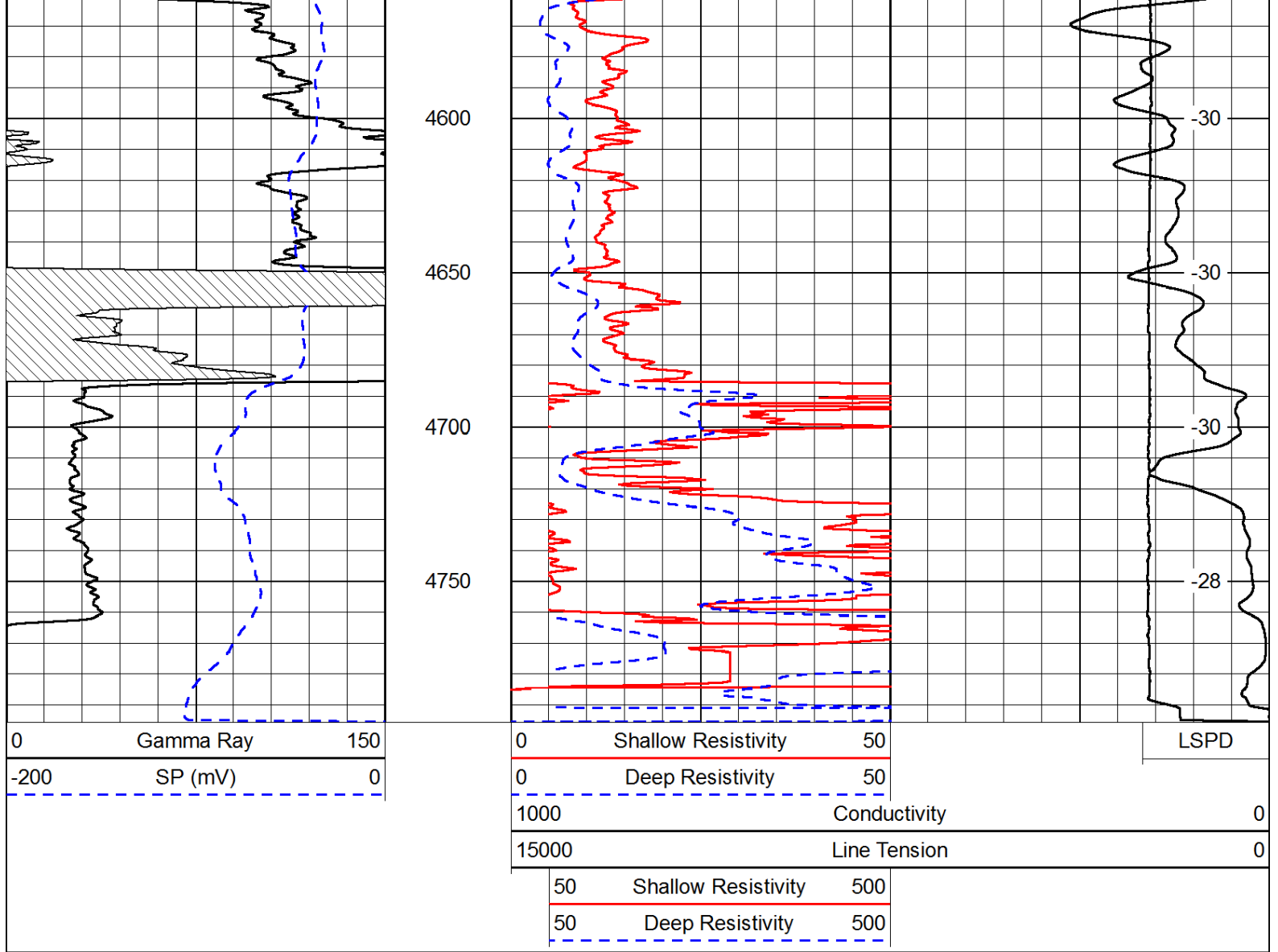




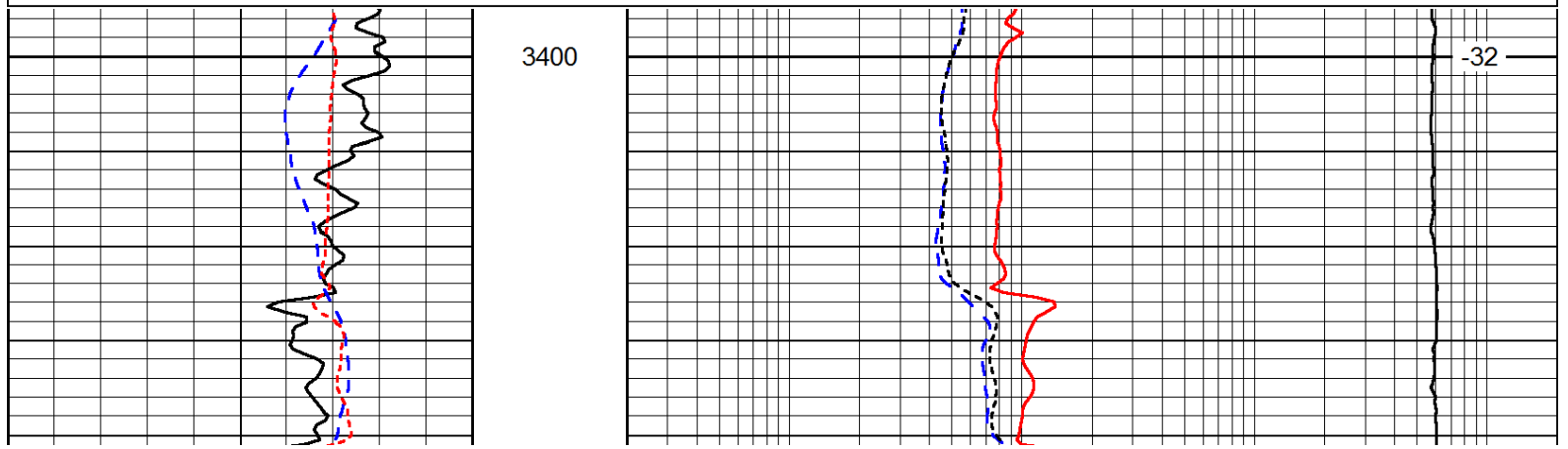
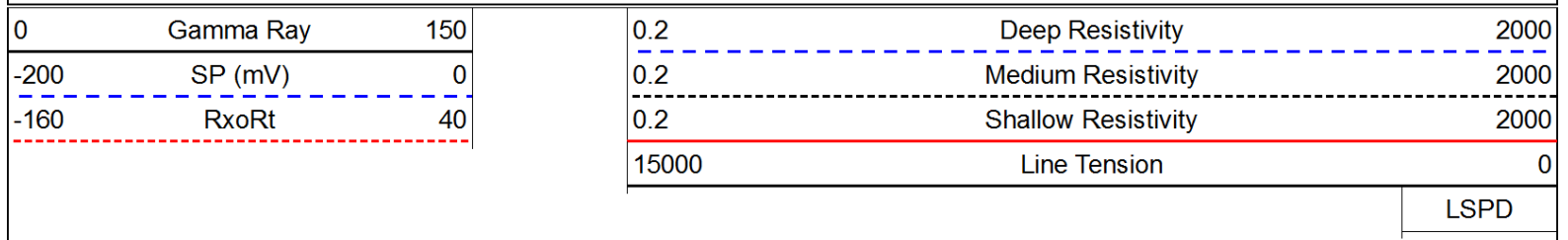


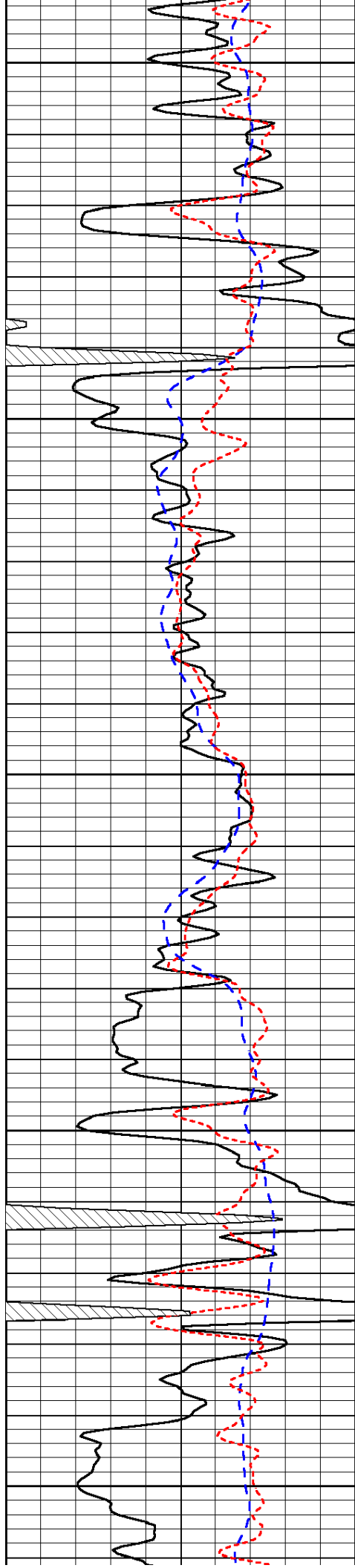






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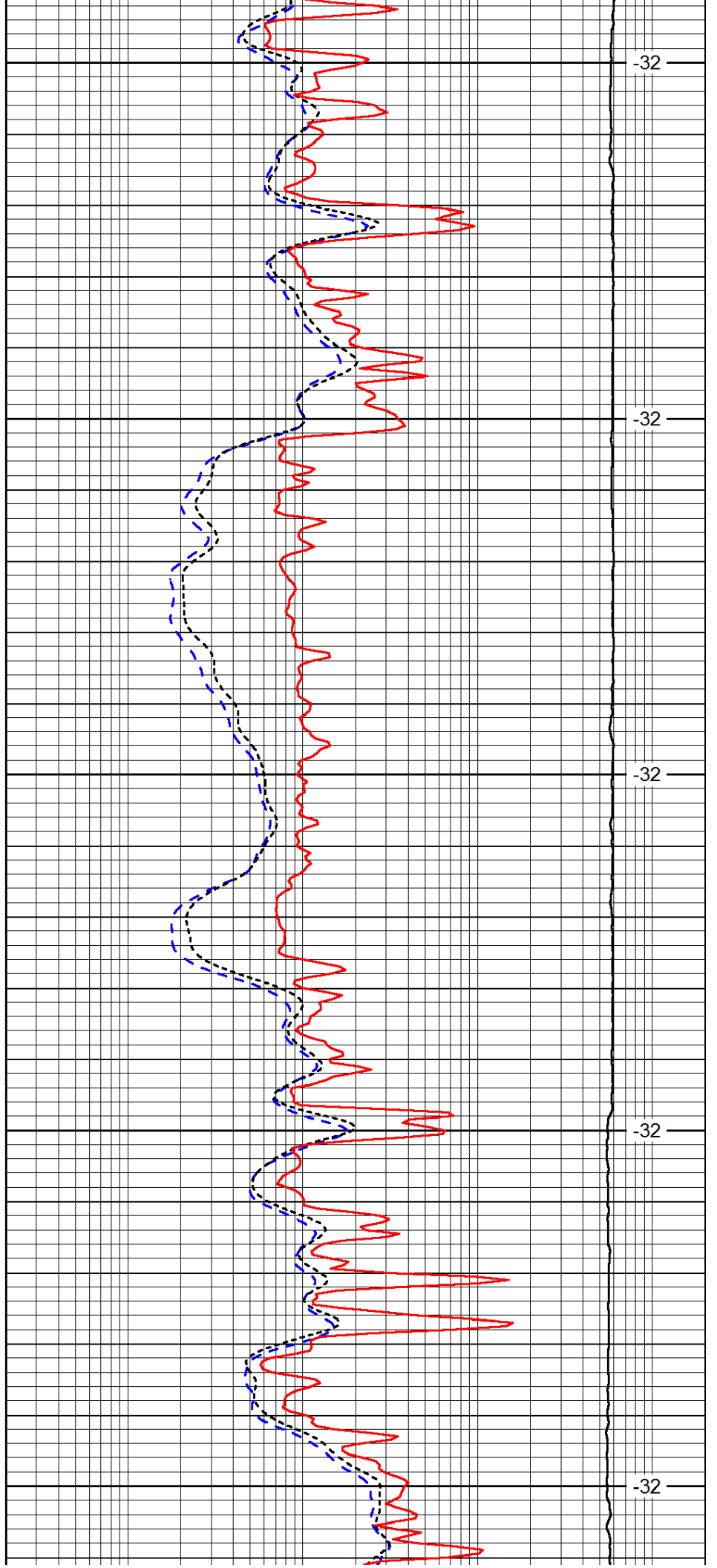
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3500

3550

3600

3650



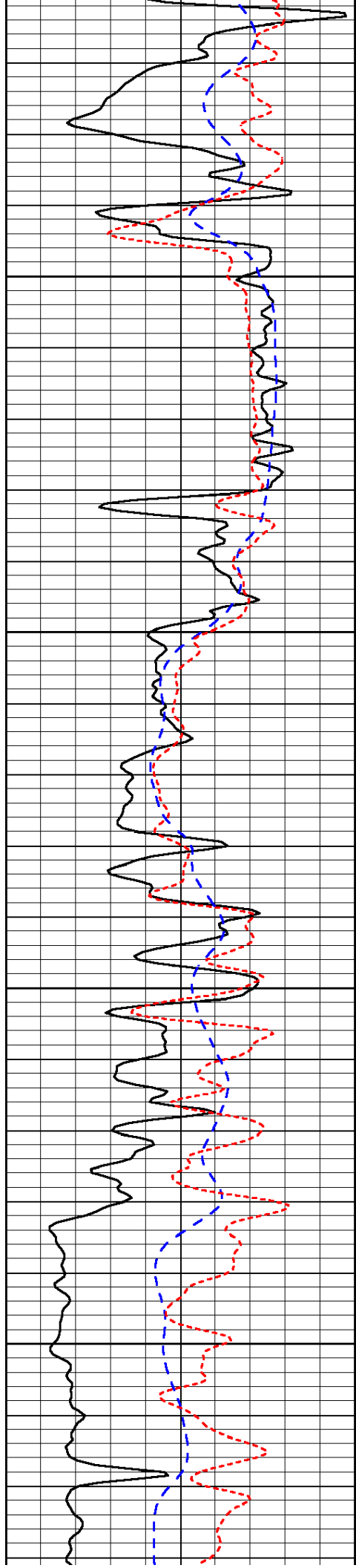
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-32

-32

-32

-32

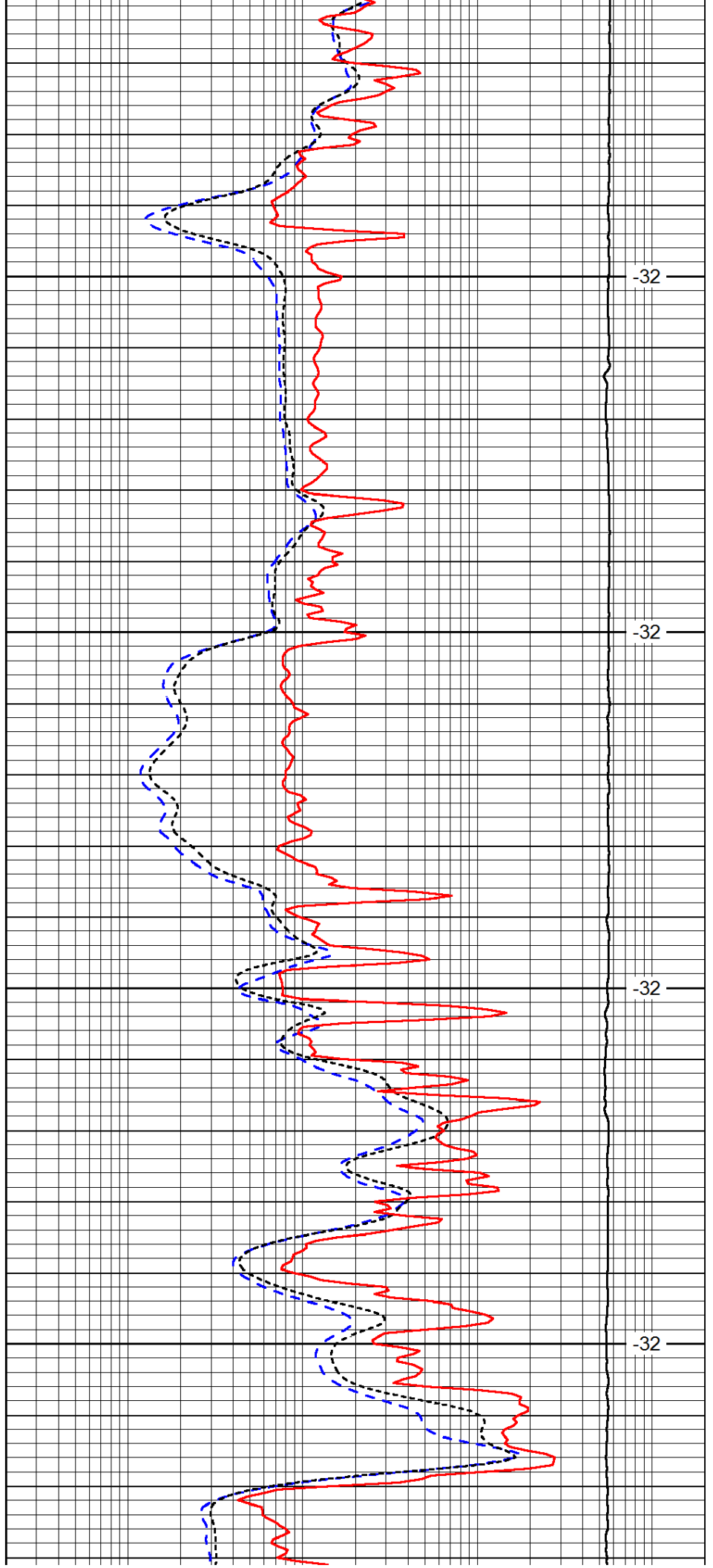


3700

3750

3800

3850

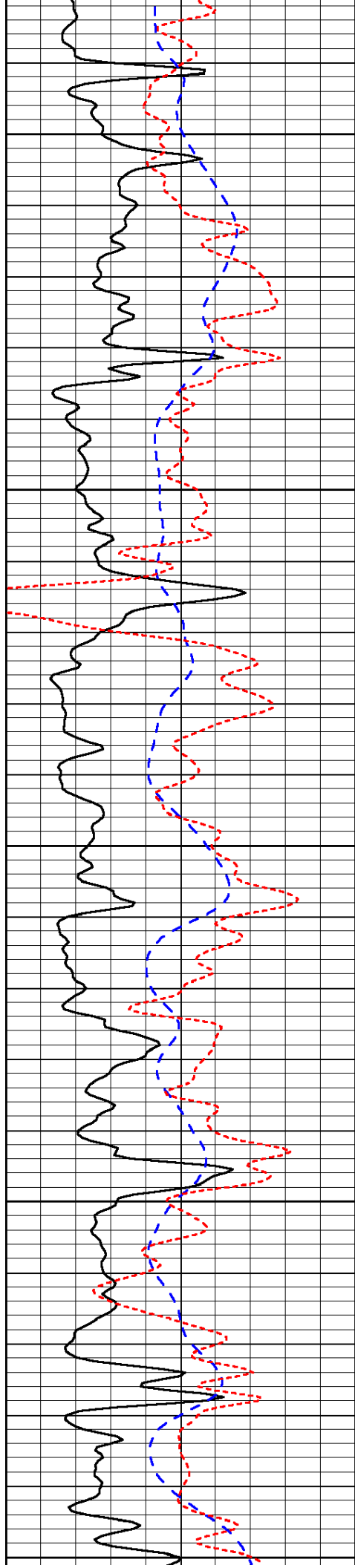


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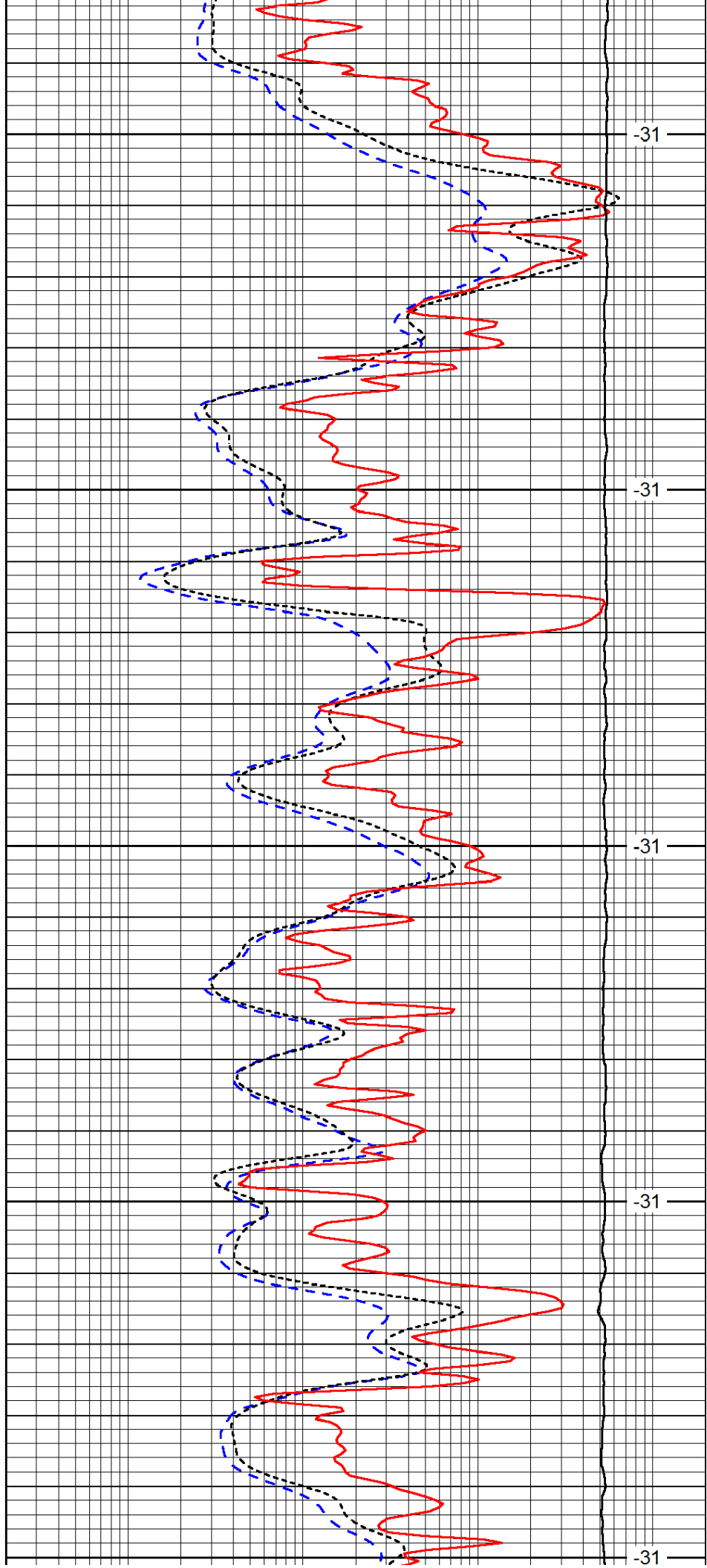
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3950

4000

4050

4100



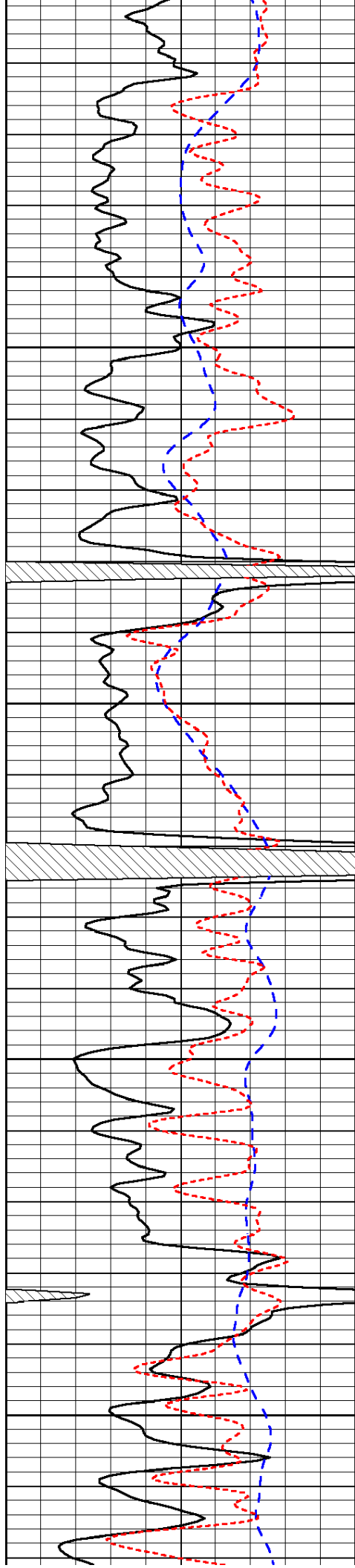
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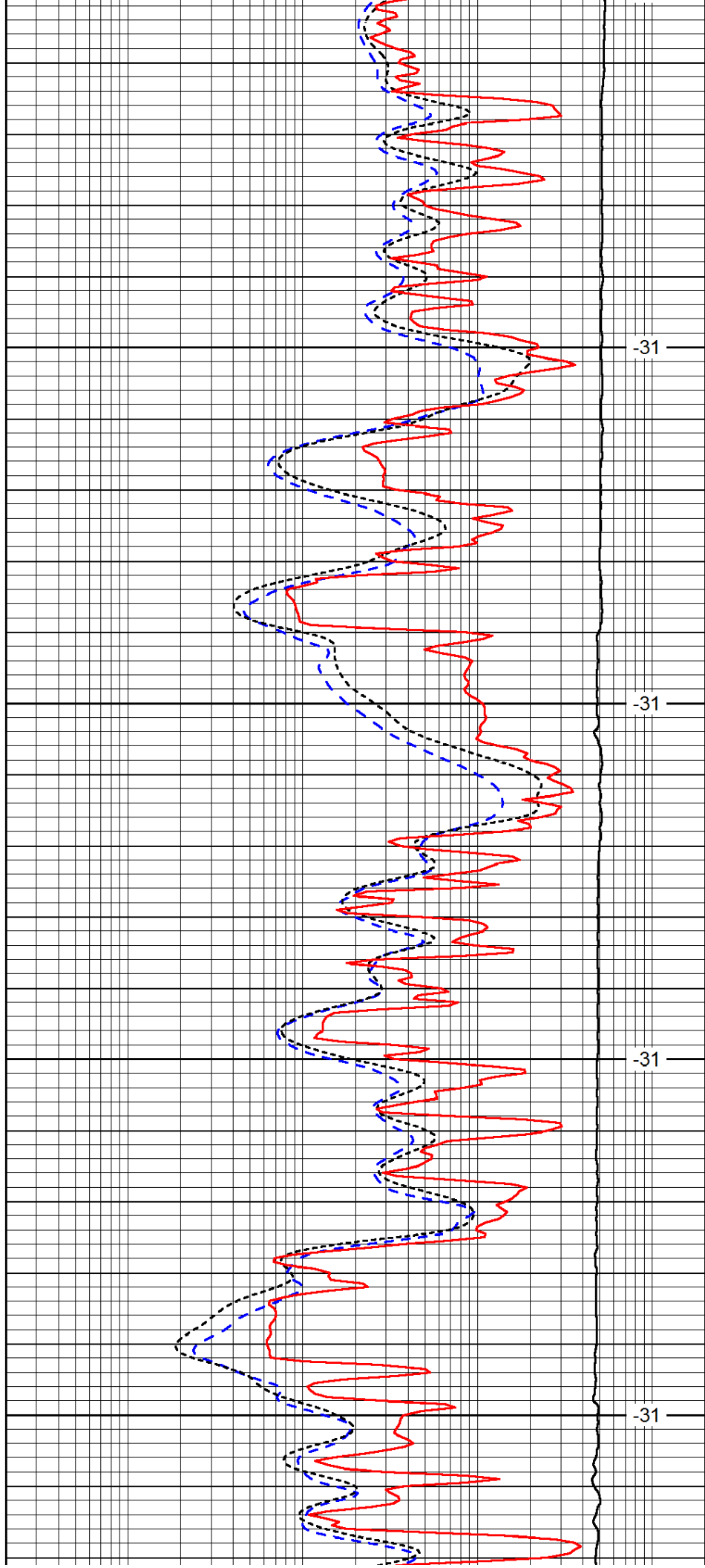


4150

4200

4250

4300

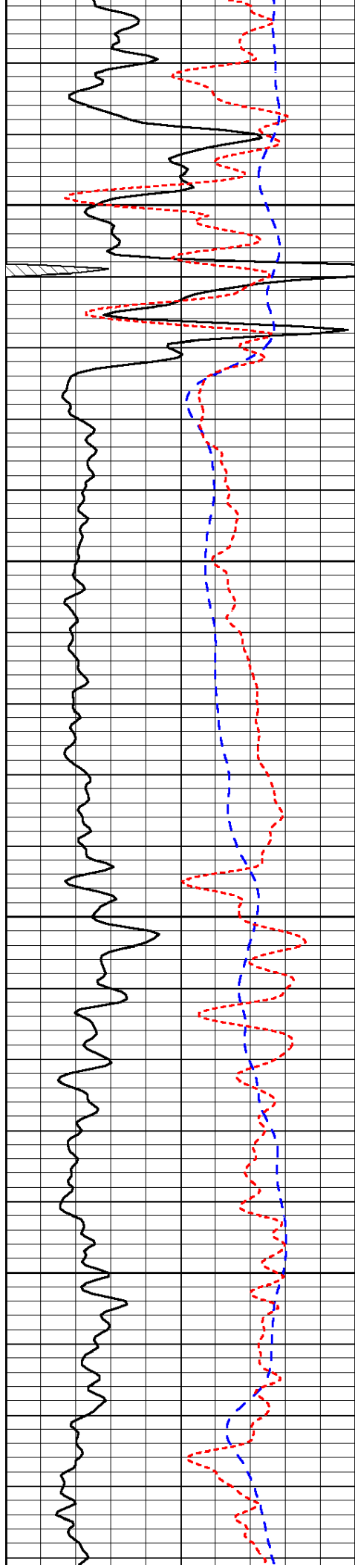


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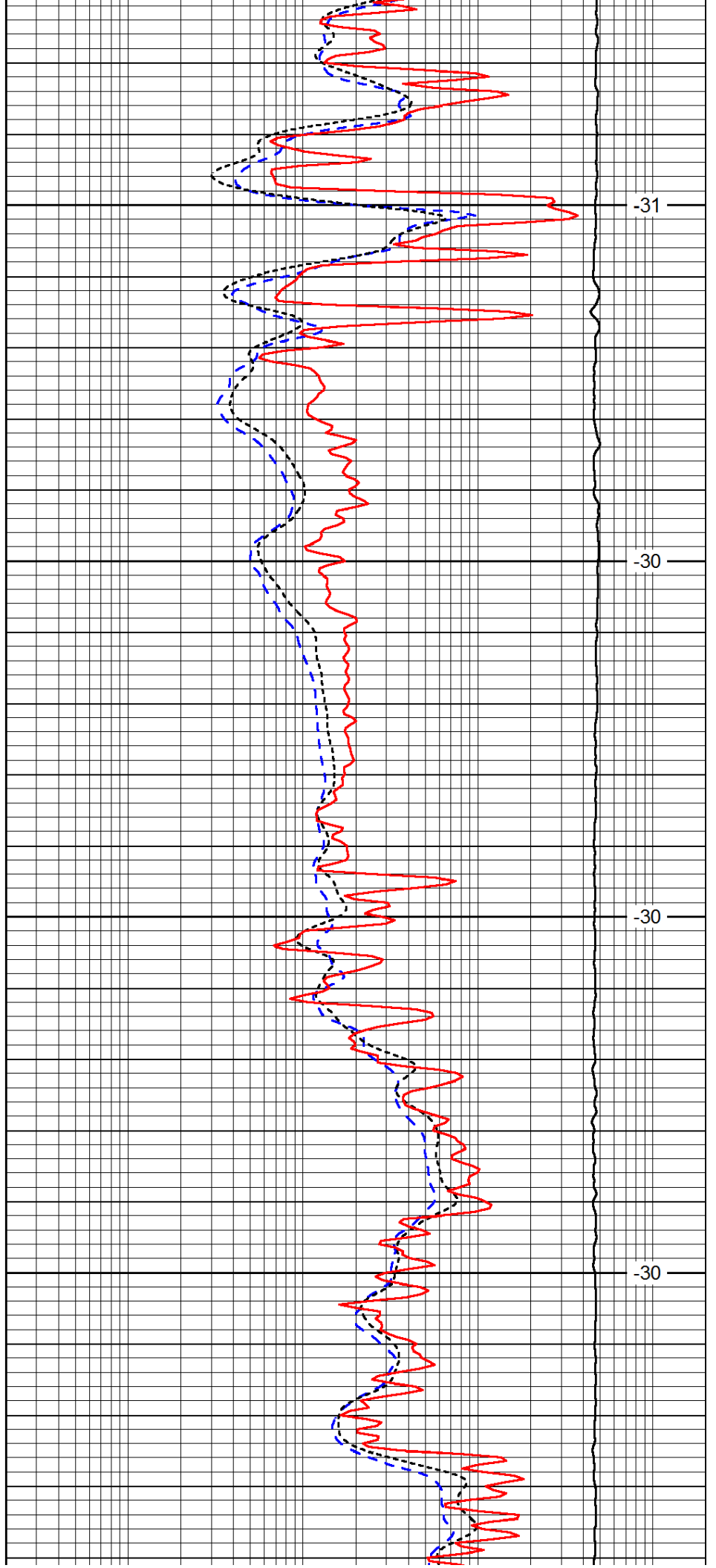


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4500

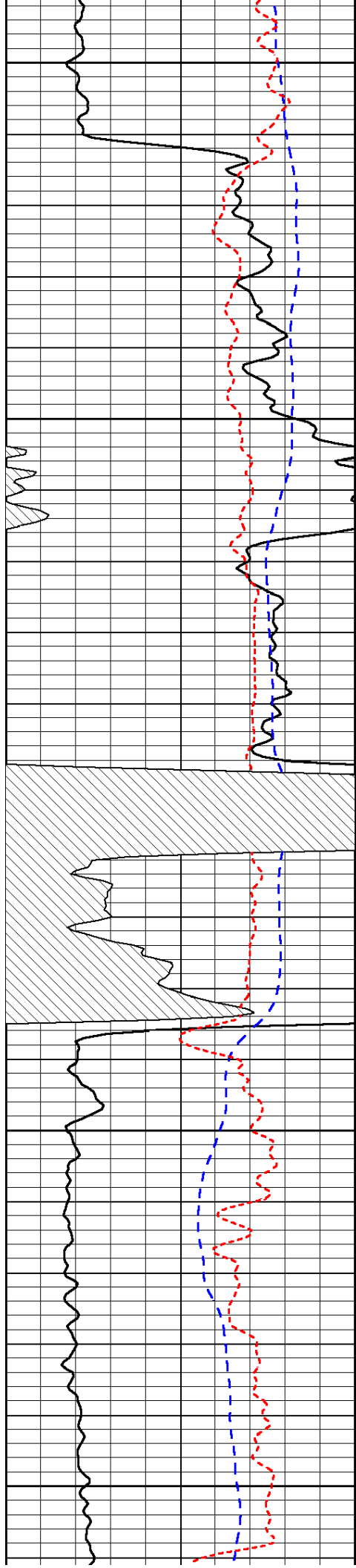


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-30

-30



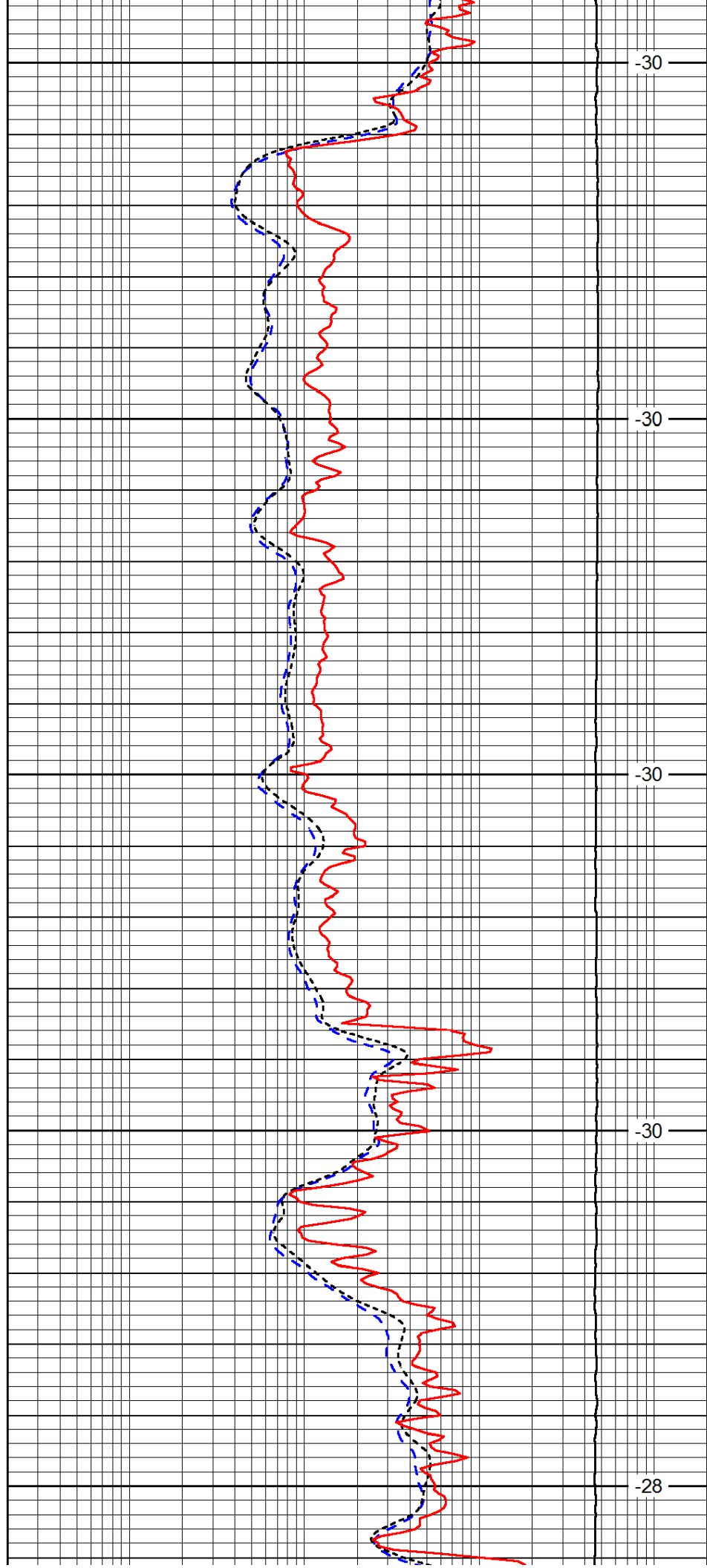
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4600

4650

4700

4750



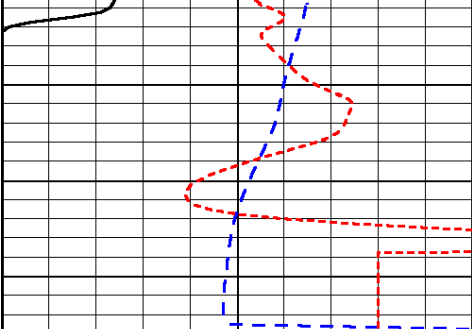
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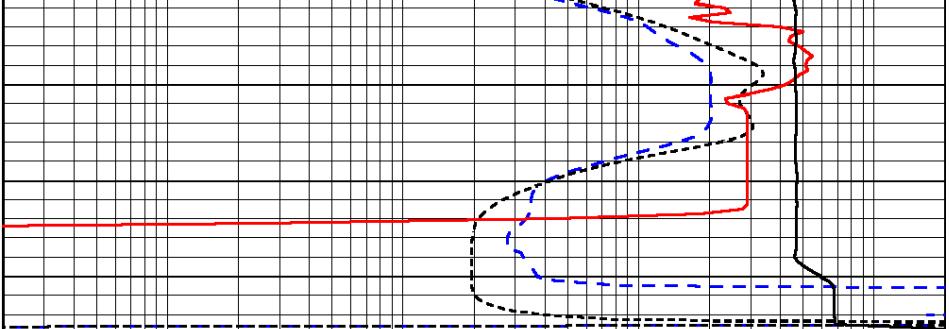
-30

-30

-28



0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40



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

LSPD