



Dual Induction Log

Pioneer Energy Services

API No.

15-153-21,110-00-00

Company Bow Creek Oil Company

Well Skolout No. 2-25

Field Wildcat

County Rawlins

State

Kansas

Location

1,070' FSL & 2,000' FEL

Sec: 25

Twp: 1S

Rge: 35W

Other Services
CNL/CDL
MEL/BHCS

Elevation 3183

K.B. 3193
D.F.
G.L. 3183

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation 3183

Date

3/13/2015

Run Number

One

Depth Driller

4909

Depth Logger

4909

Bottom Logged Interval

4908

Top Log Interval

300

Casing Driller

8.625 @ 315

Casing Logger

304

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

1000

Density / Viscosity

9.3

pH / Fluid Loss

9.0

Source of Sample

Flowline

Rm @ Meas. Temp

1.50 @ 68

Rmf @ Meas. Temp

1.13 @ 68

Rmc @ Meas. Temp

2.03 @ 68

Source of Rmf / Rmc

Charts

Rm @ BHT

.82 @ 125

Operating Rig Time

4 1/2 Hours

Max Rec. Temp. F

125

Equipment Number

108

Location

Hays

Recorded By

J. Long

Witnessed By

Tony Stroup

Lyle Herman

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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
785.625.3858

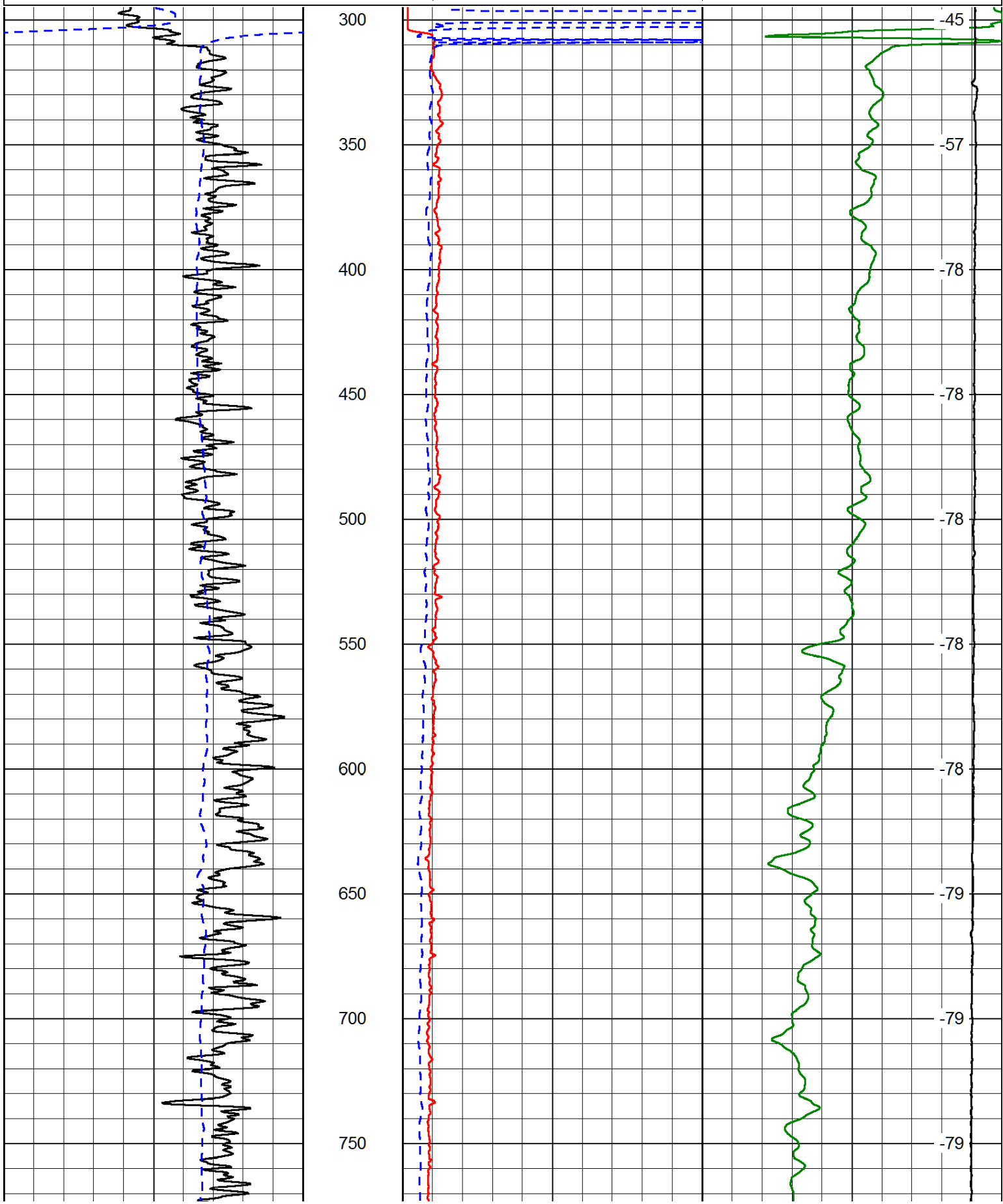
Atwood, North to Z Road, 7 1/4 West, North Into

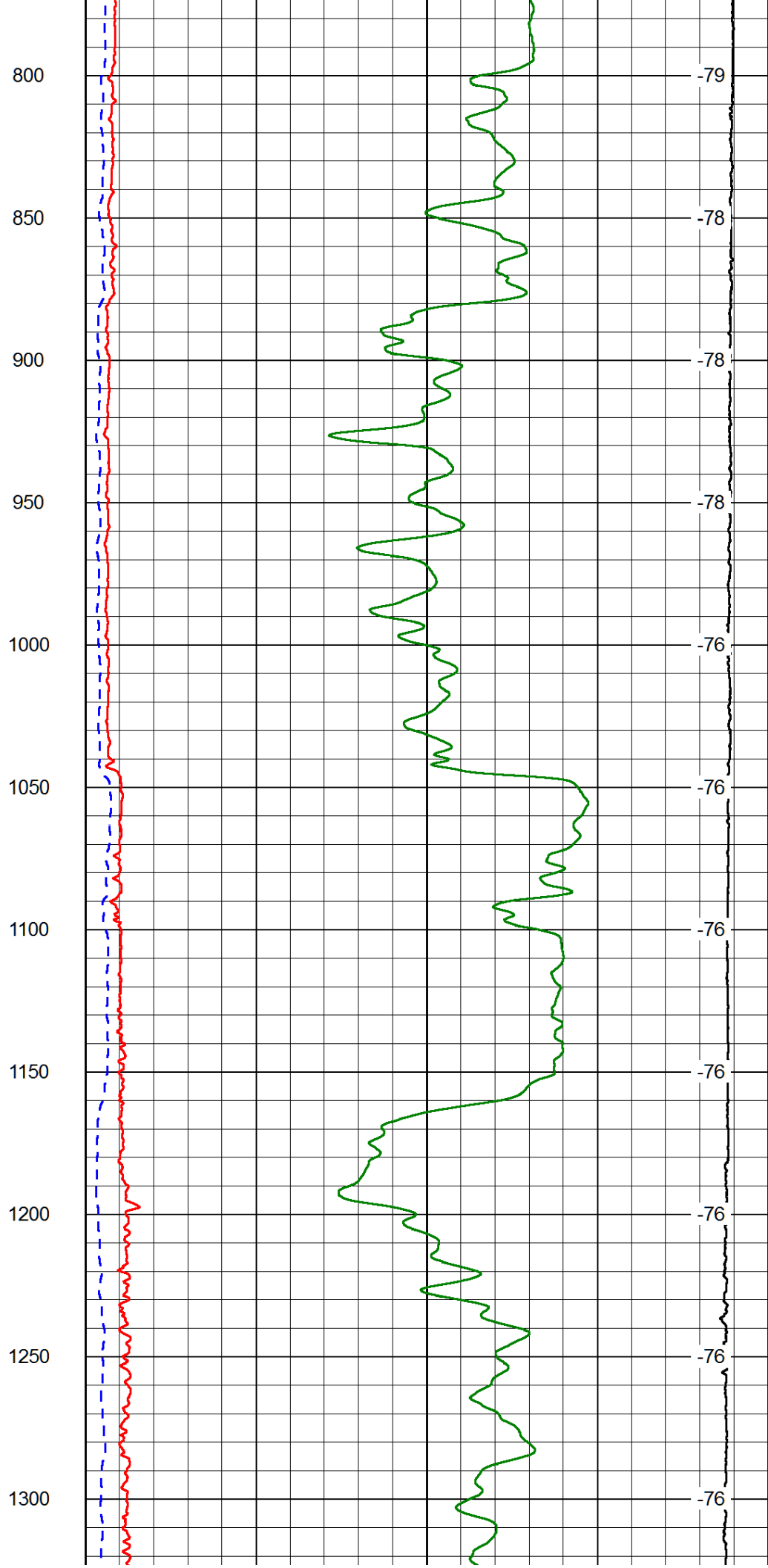
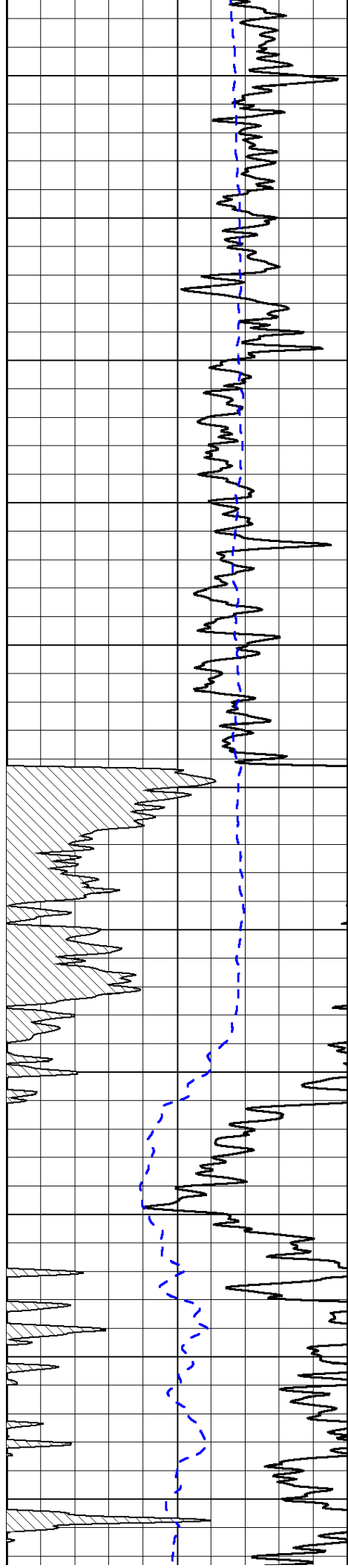
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Presentation Format: dil2in
Dataset Creation: Fri Mar 13 03:26:16 2015
Charted by: Depth in Feet scaled 1:600

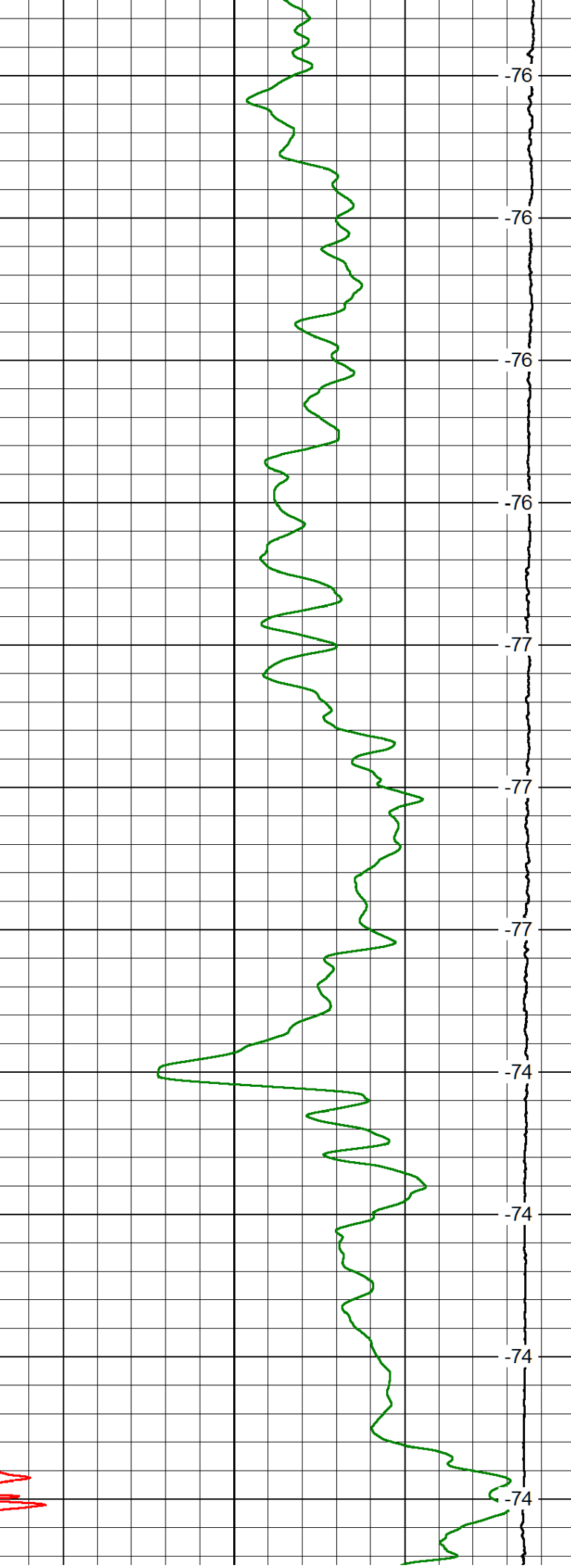
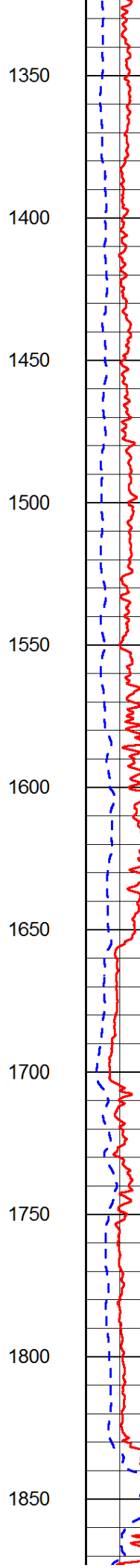
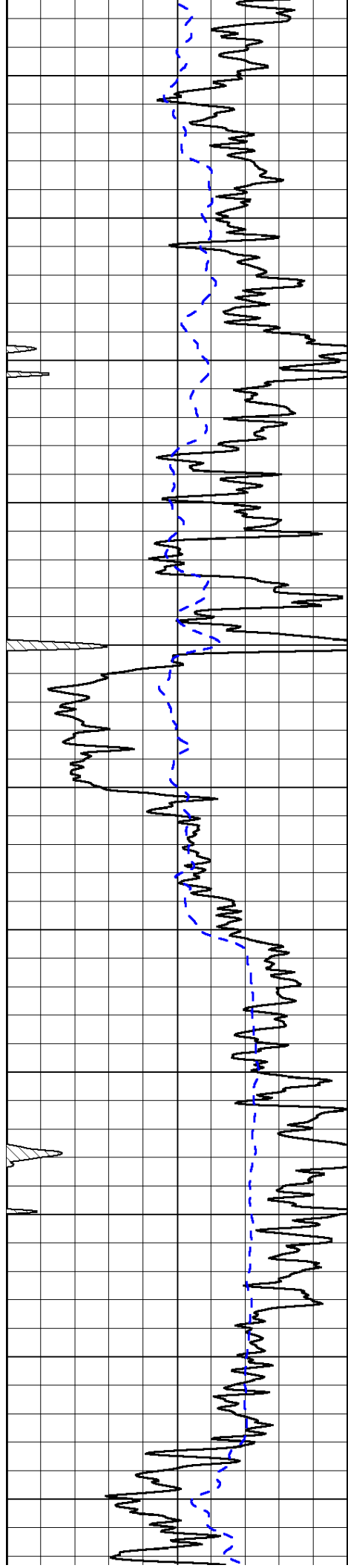
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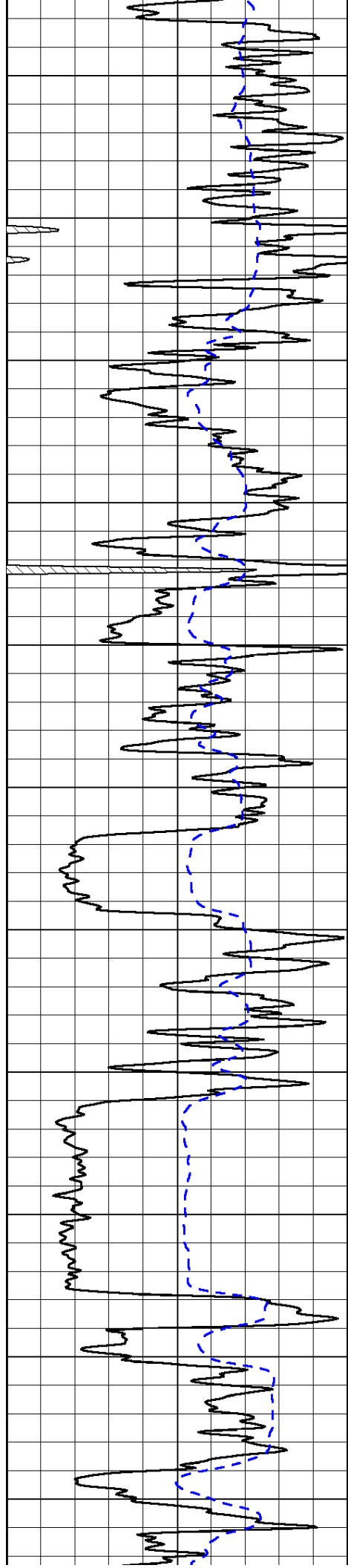
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0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

LSPD

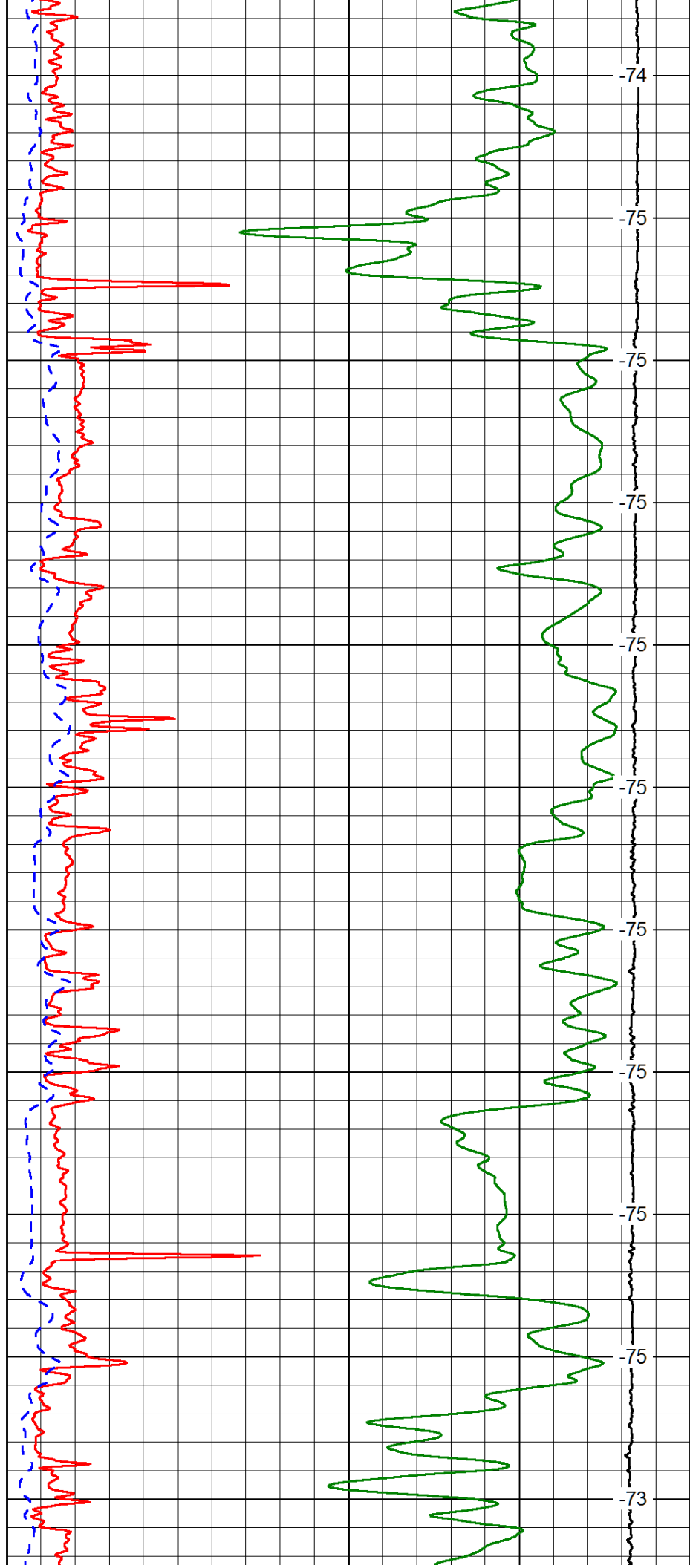


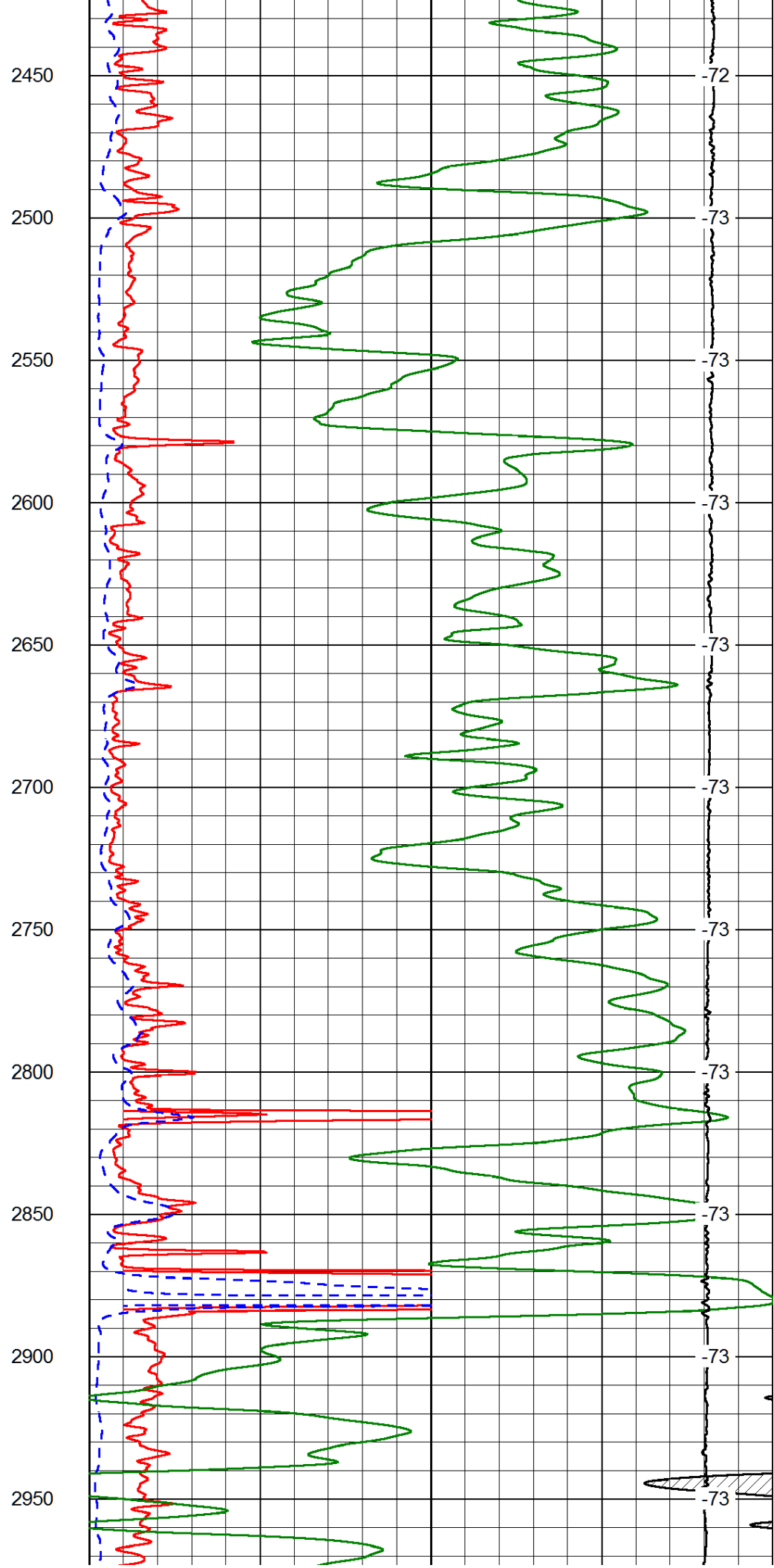
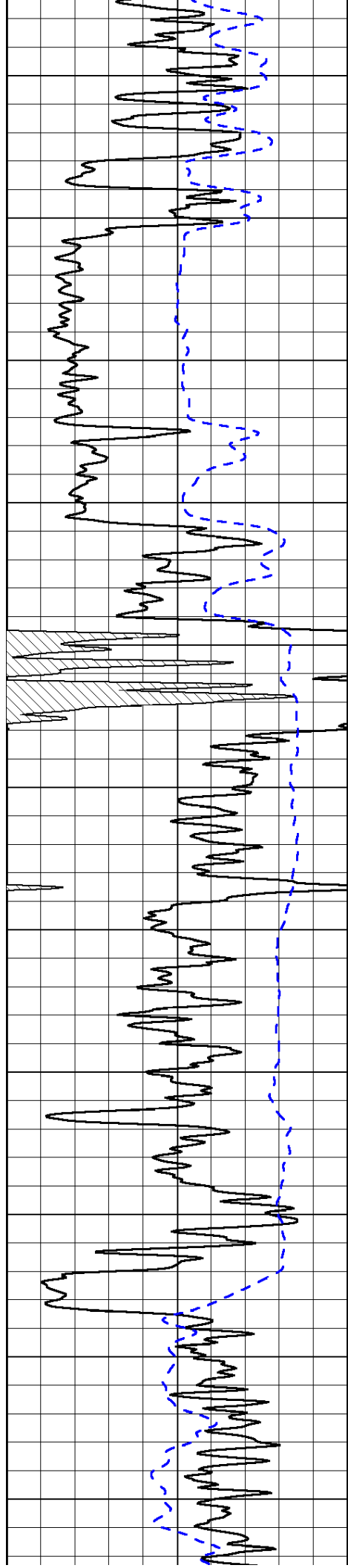


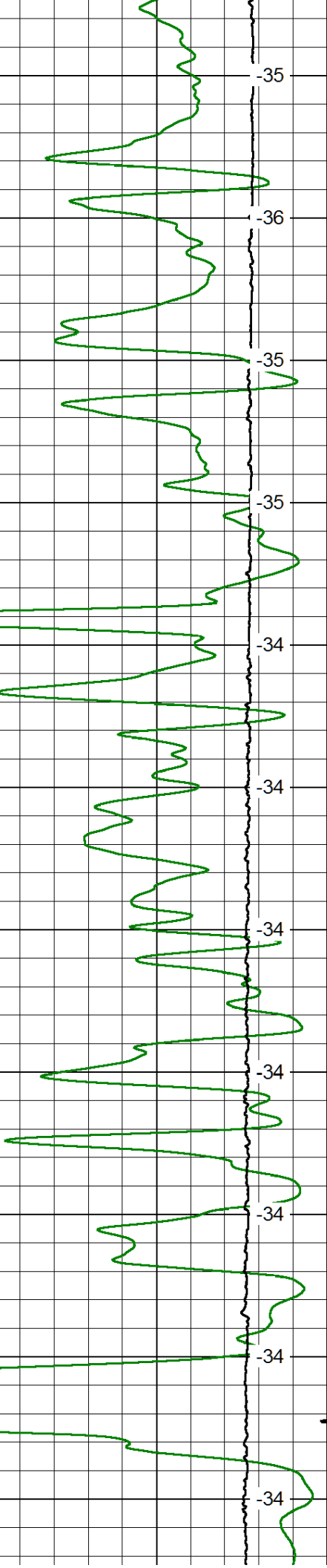
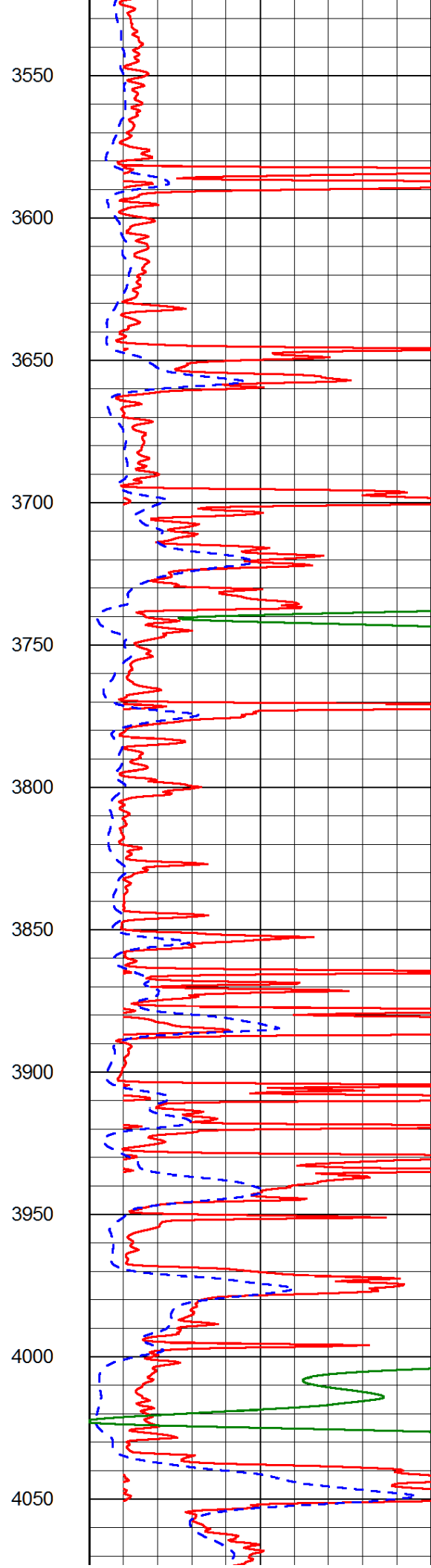
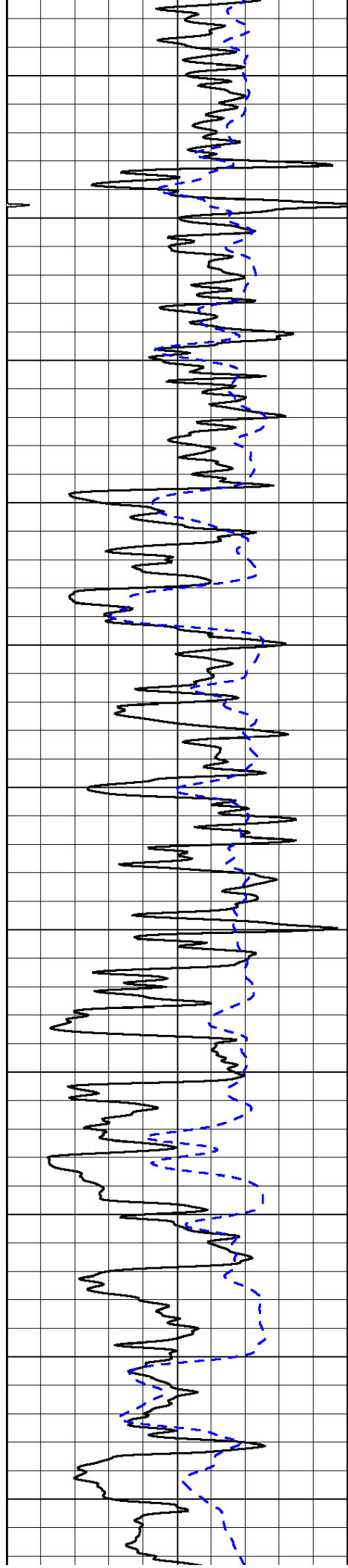


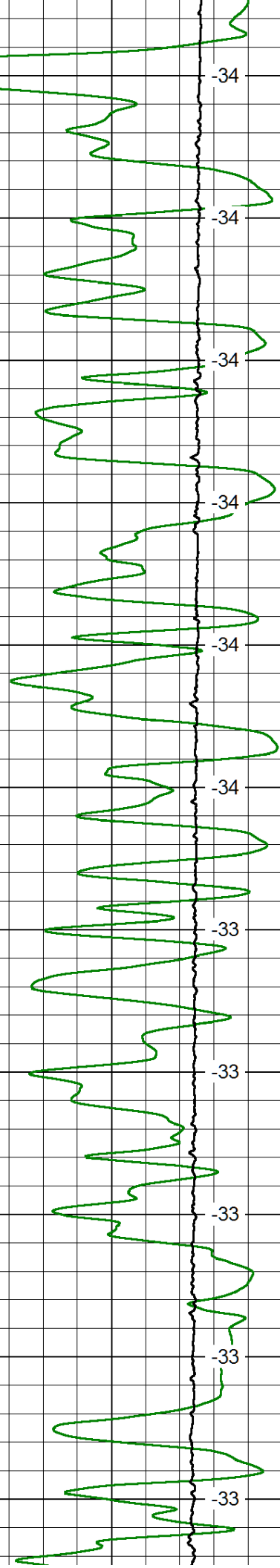
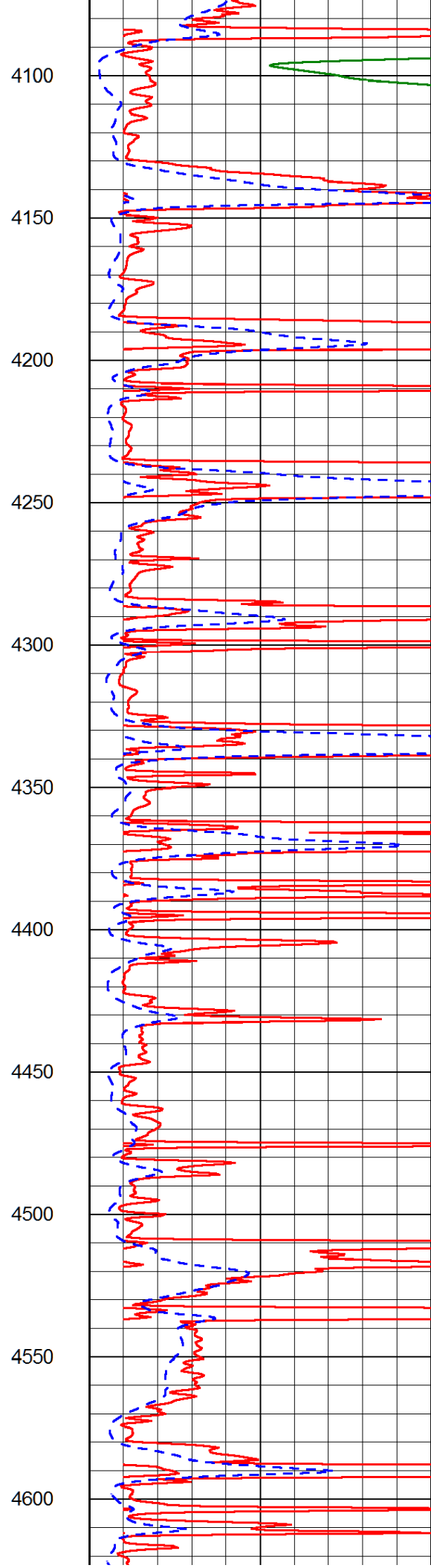
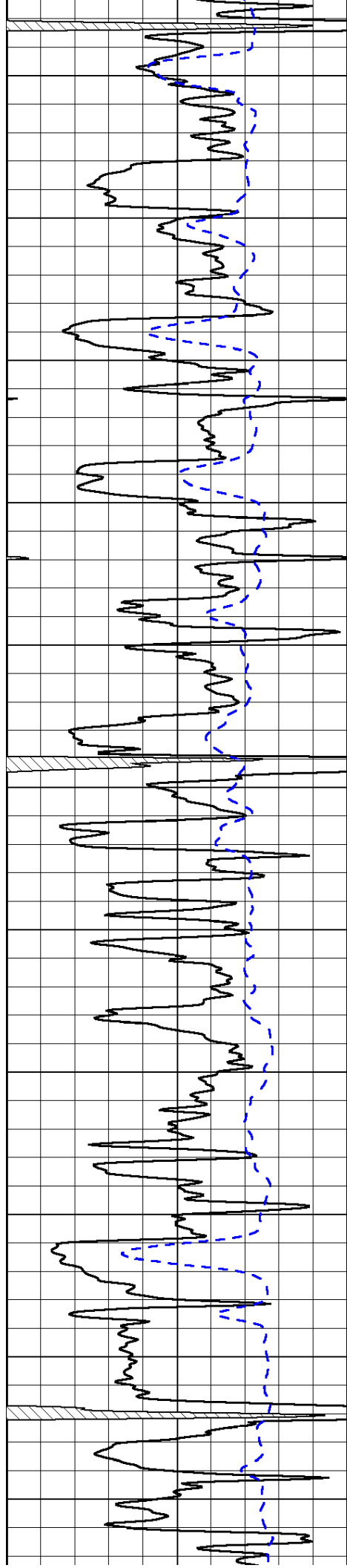


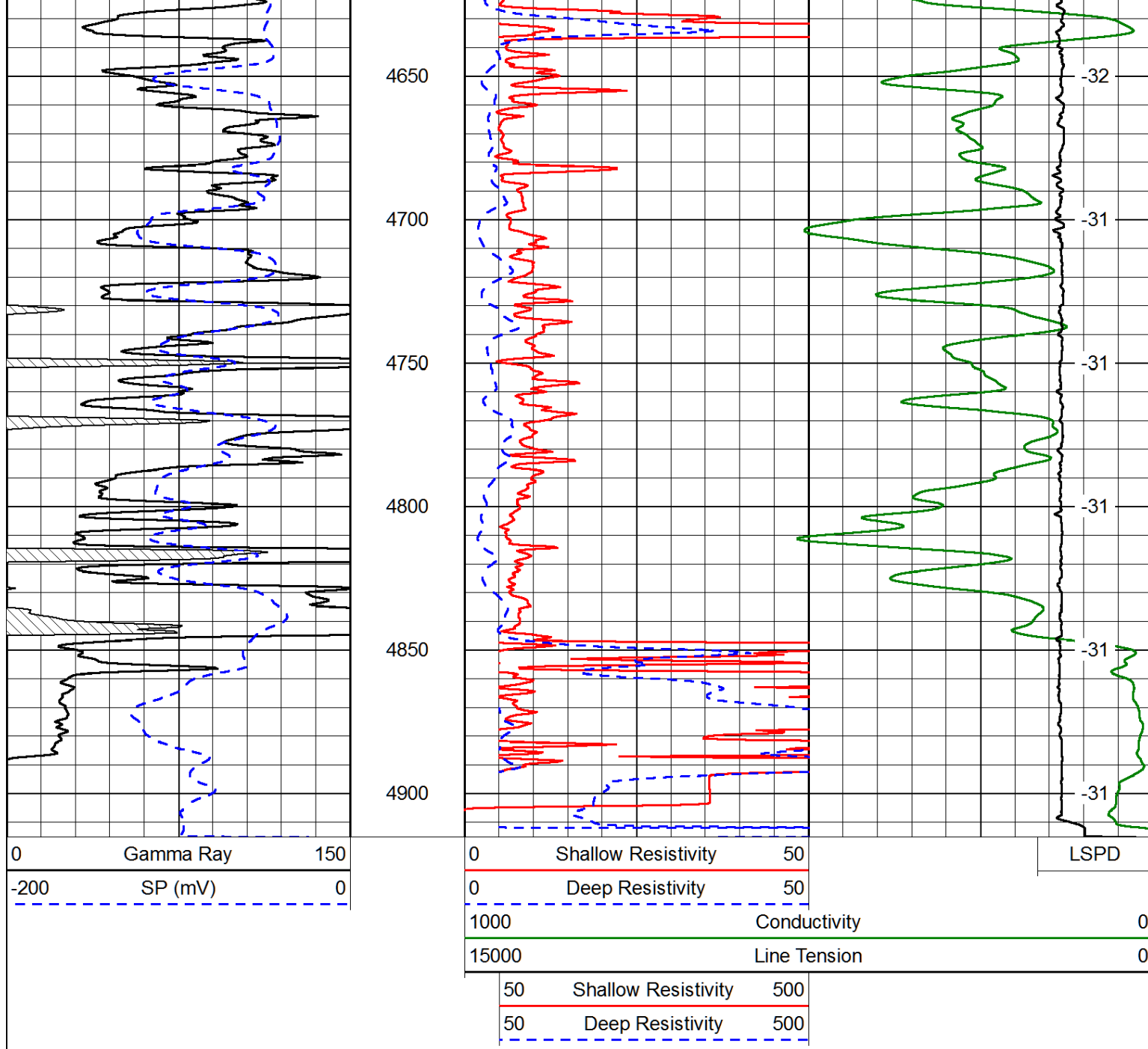
1900
1950
2000
2050
2100
2150
2200
2250
2300
2350
2400



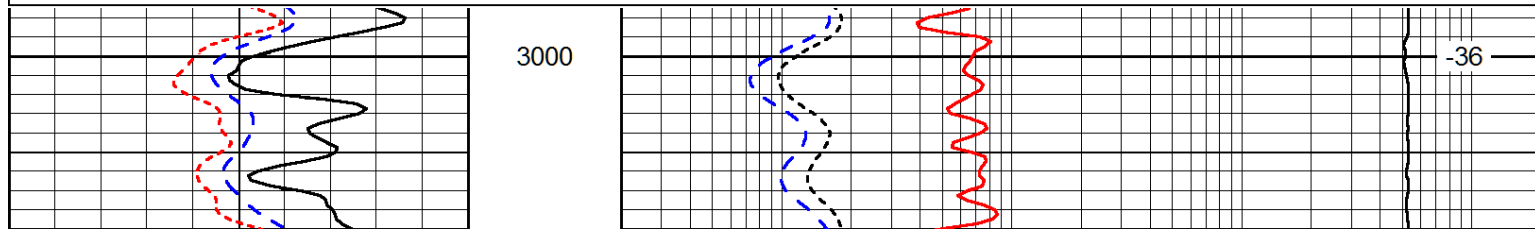
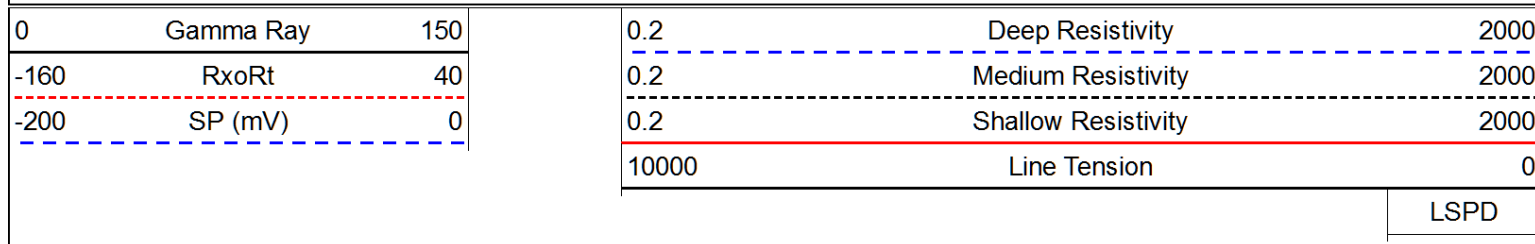


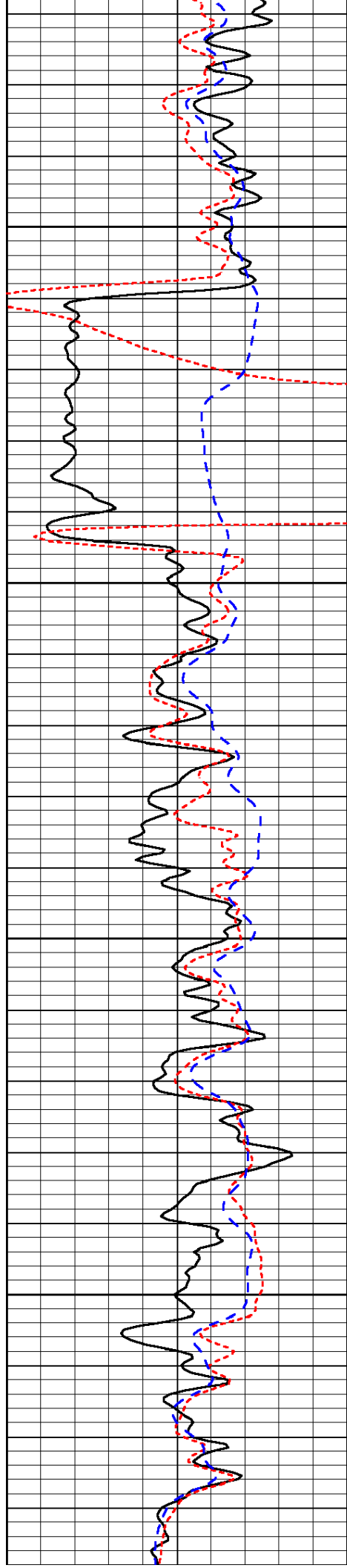






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 Presentation Format: dil
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 Charted by: Depth in Feet scaled 1:240



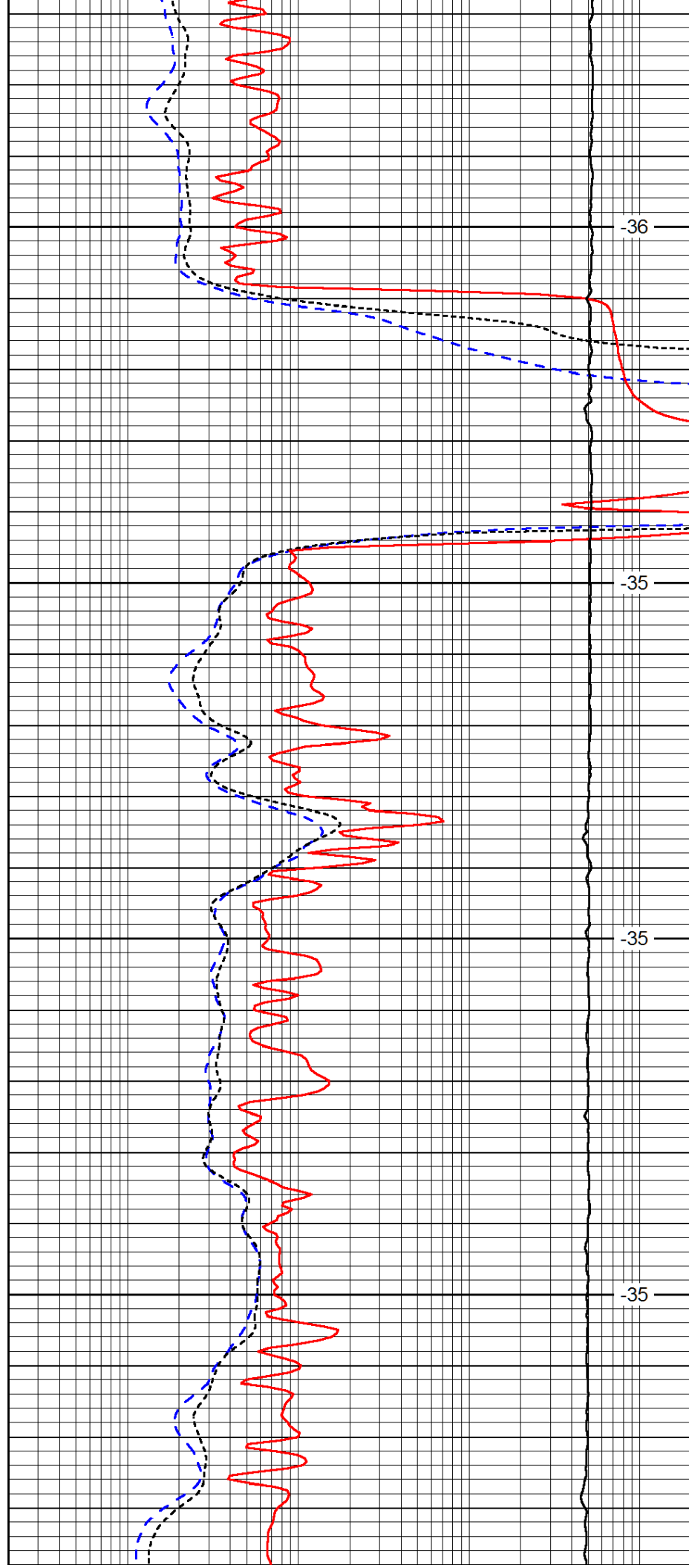


3050

3100

3150

3200

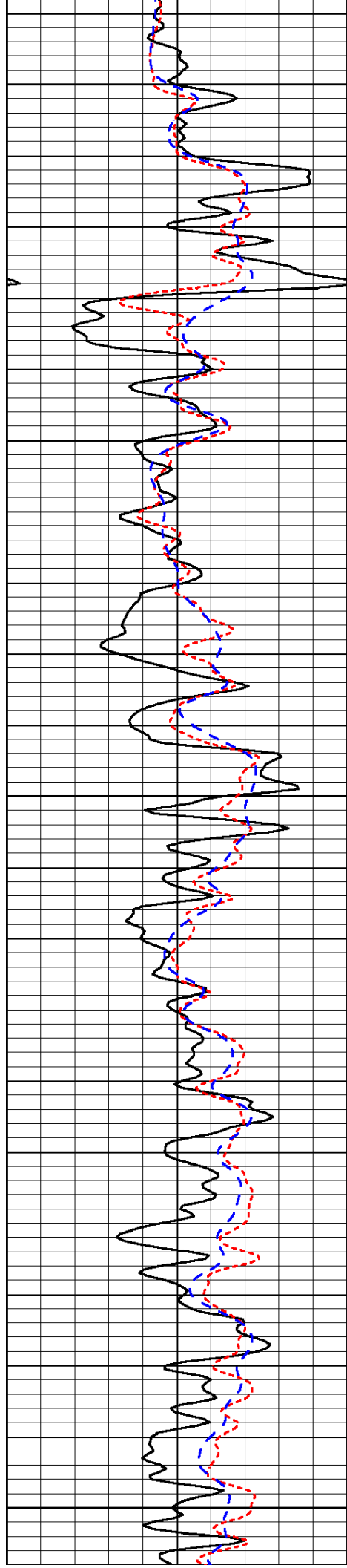


-36

-35

-35

-35



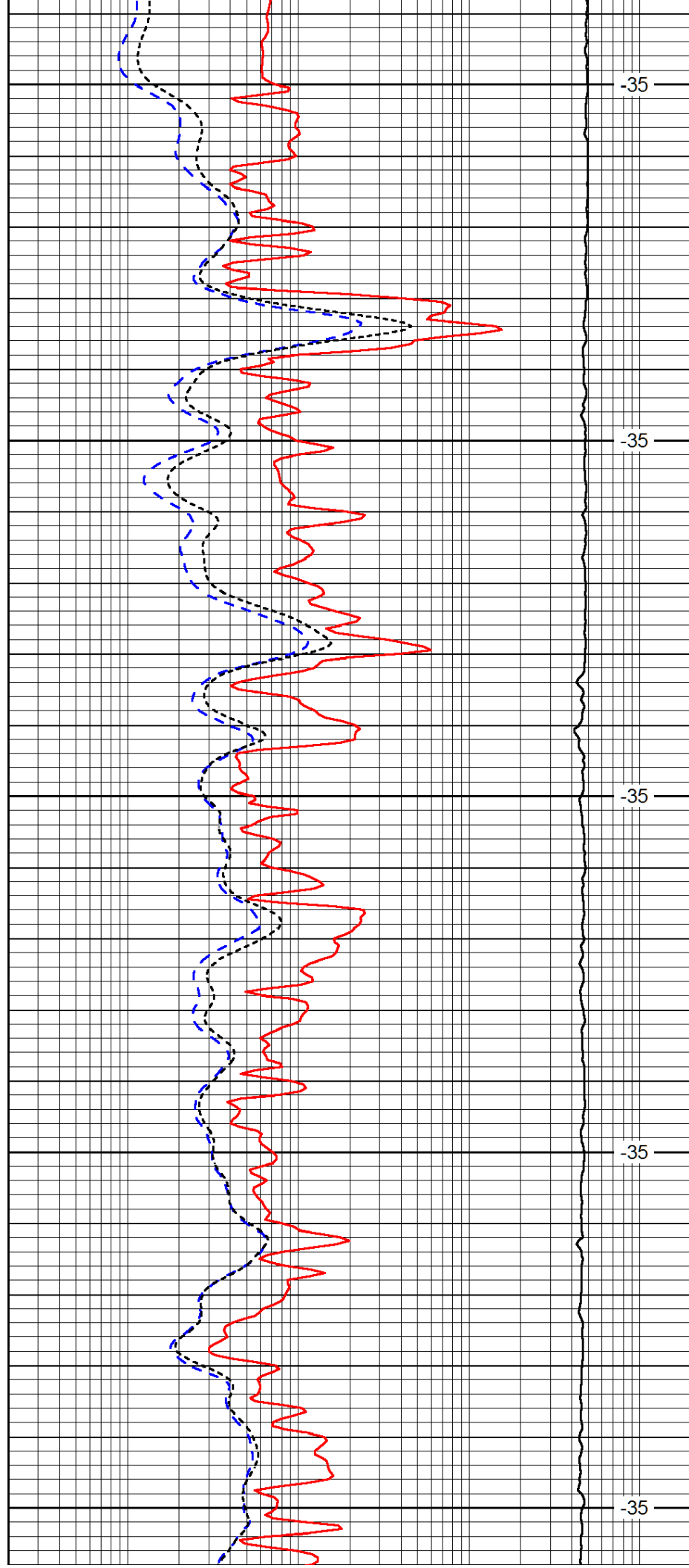
3250

3300

3350

3400

3450



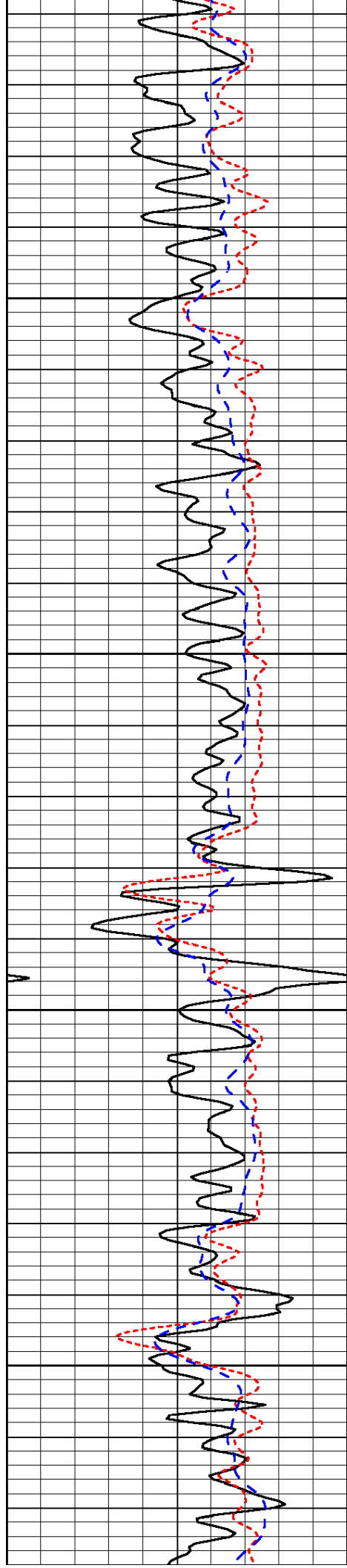
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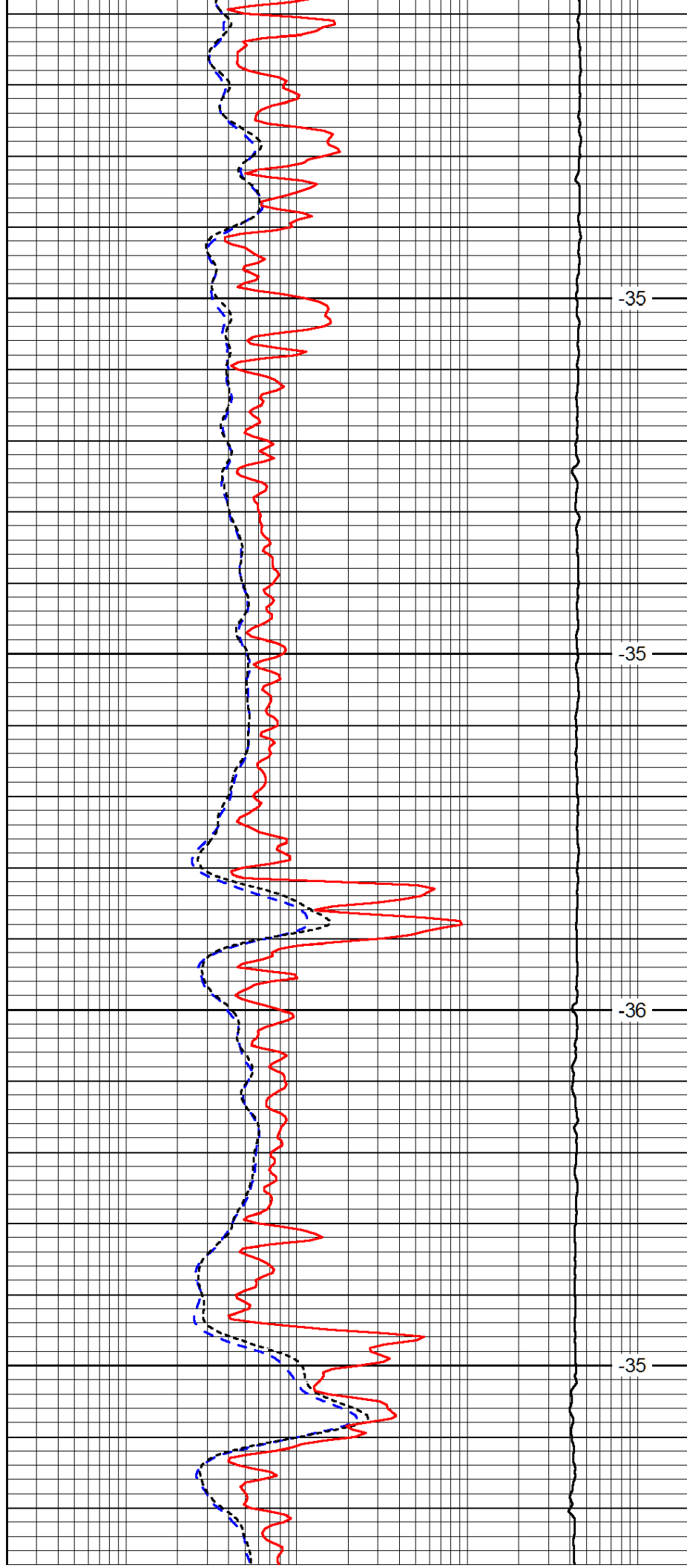


3500

3550

3600

3650

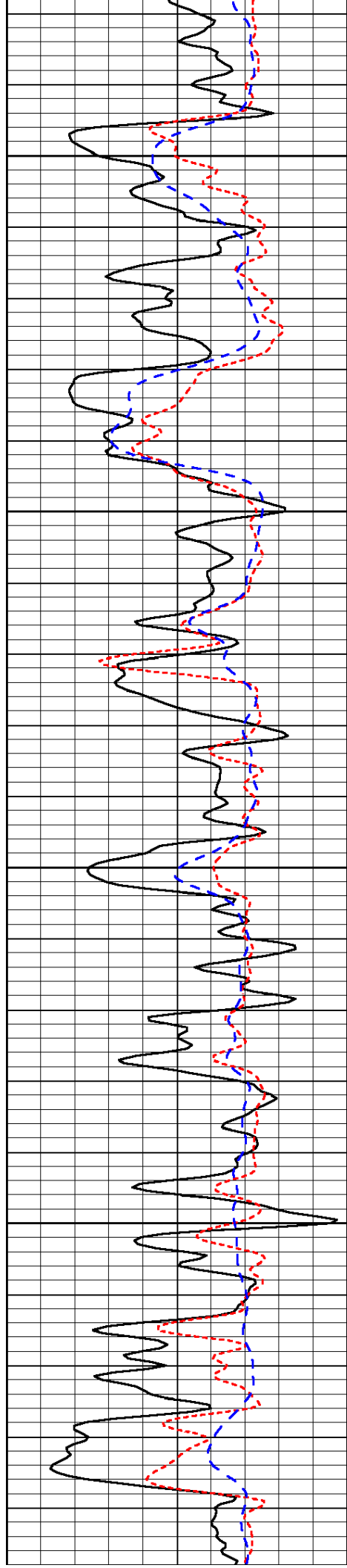


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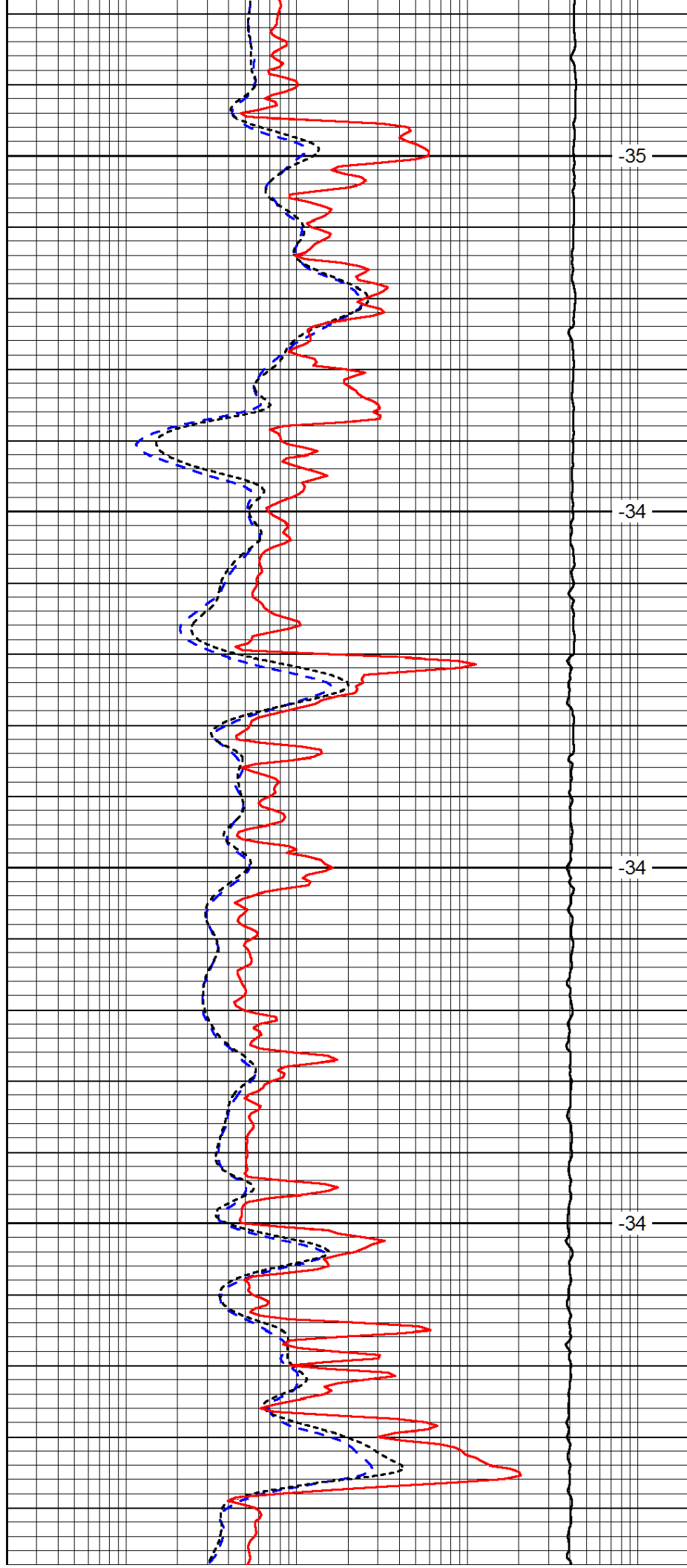


3700

3750

3800

3850

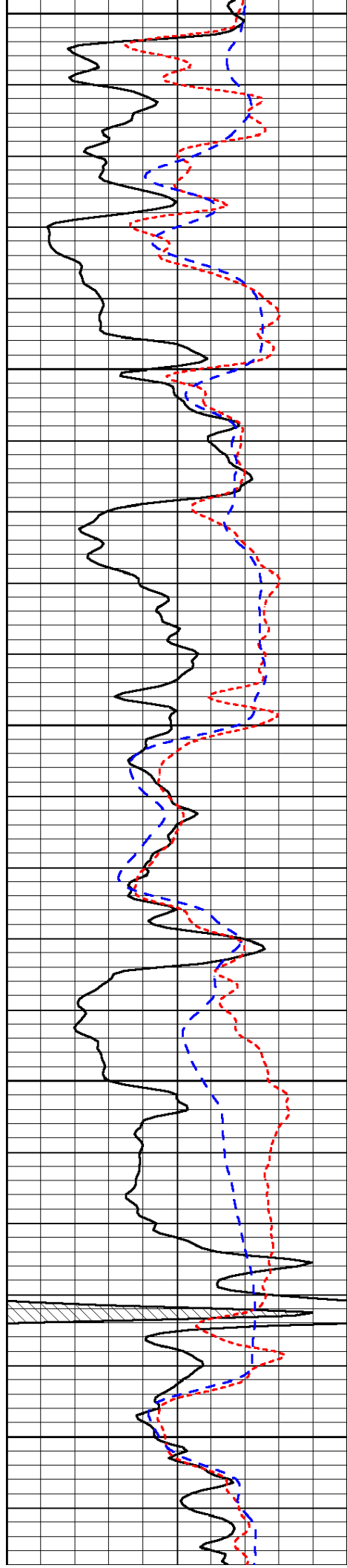


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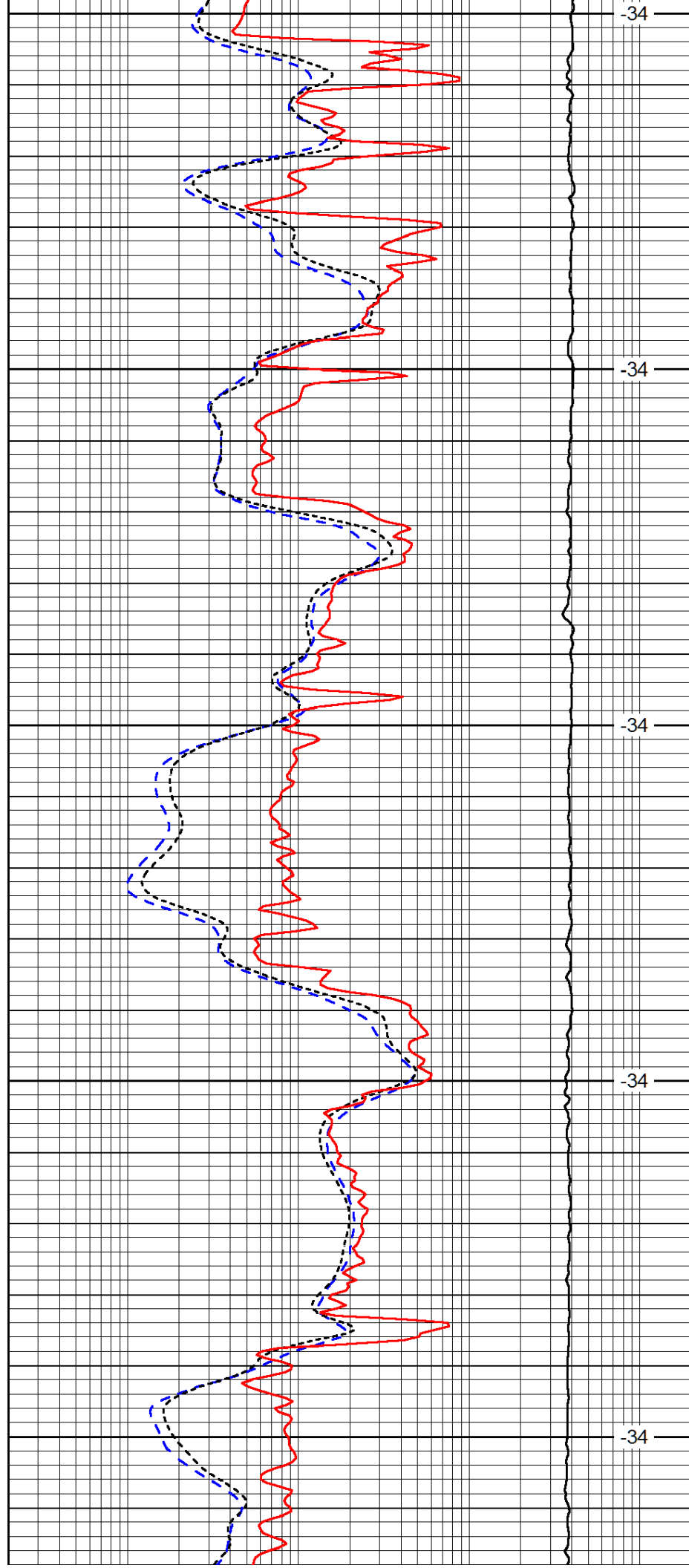
3900

3950

4000

4050

4100



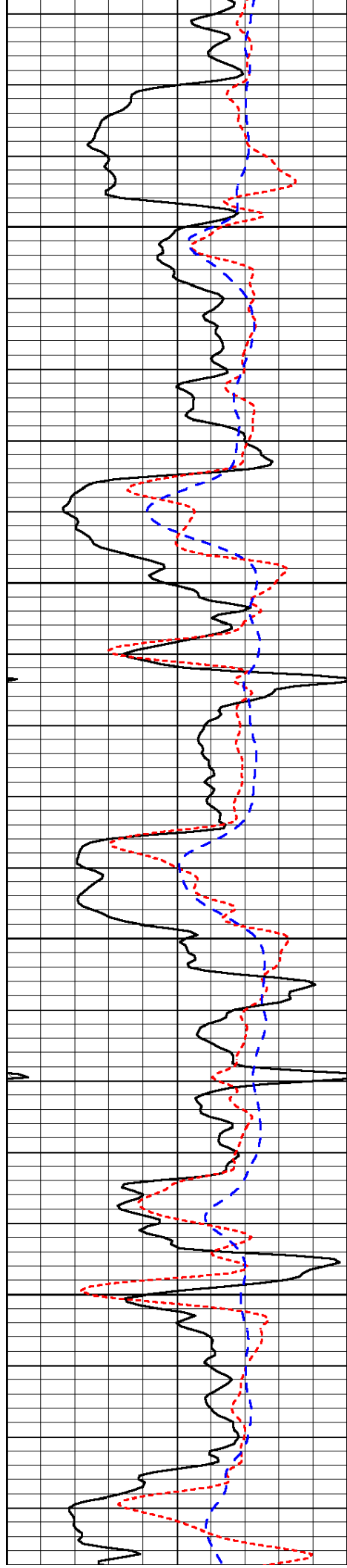
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-34

-34

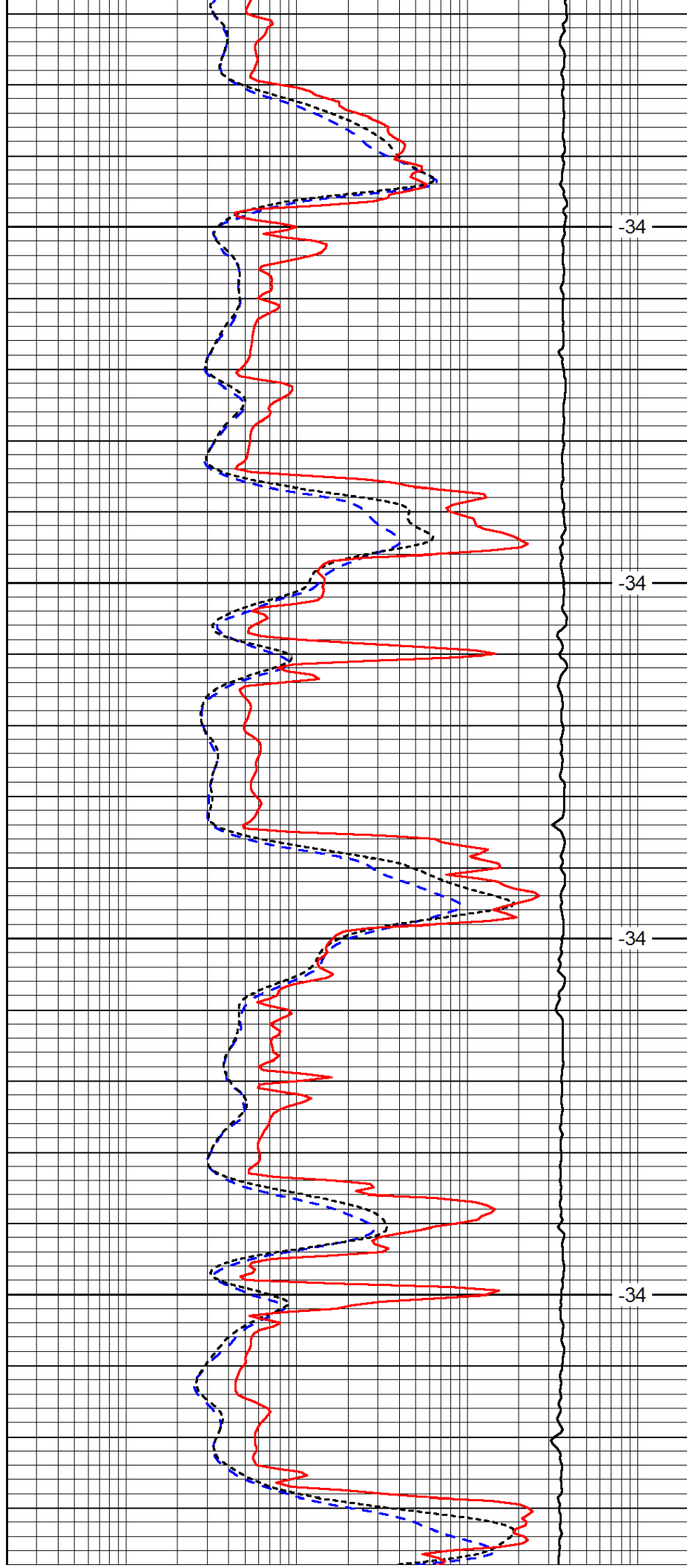


4150

4200

4250

4300

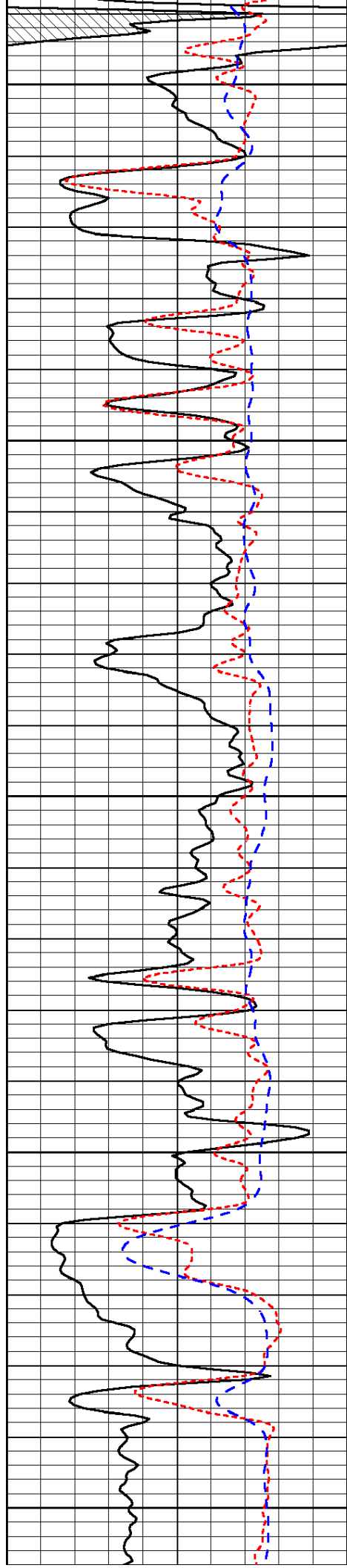


-34

-34

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-34



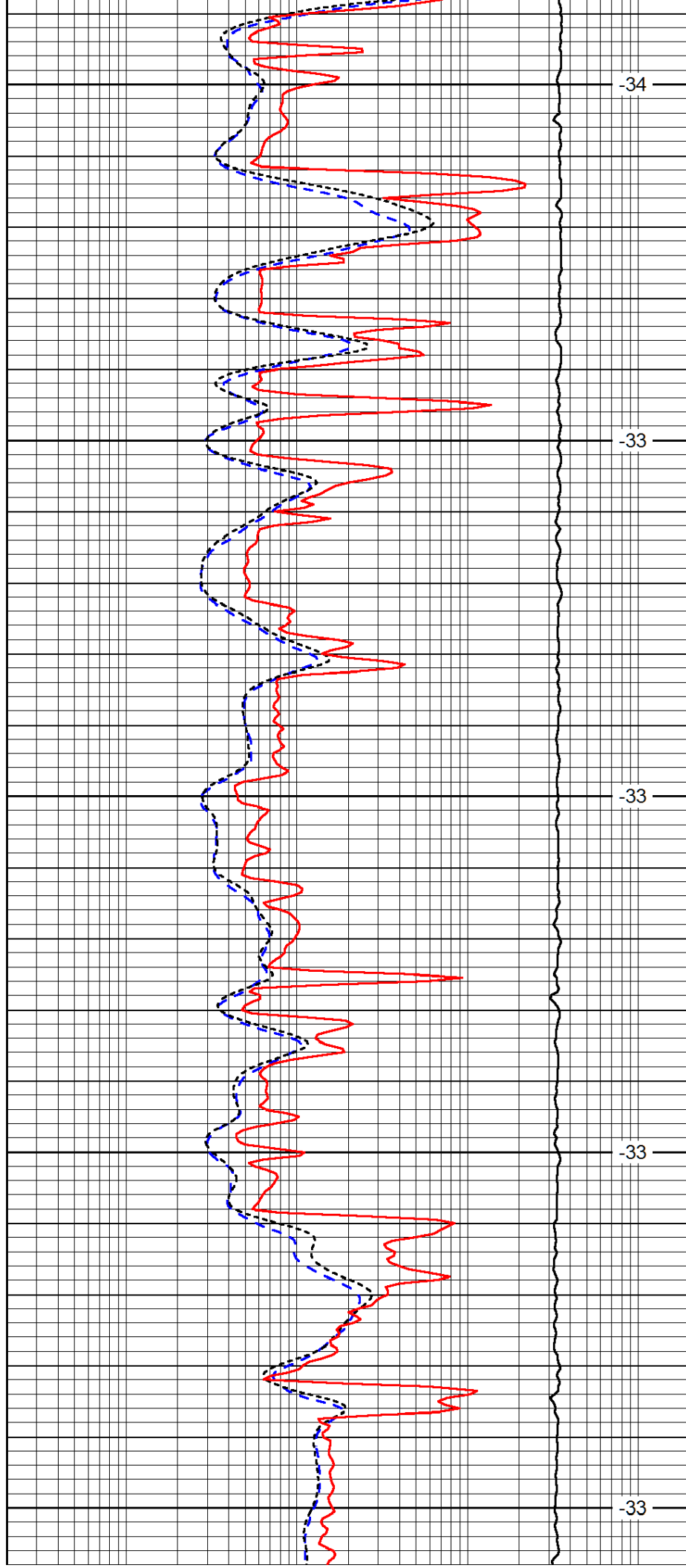
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4400

4450

4500

4550



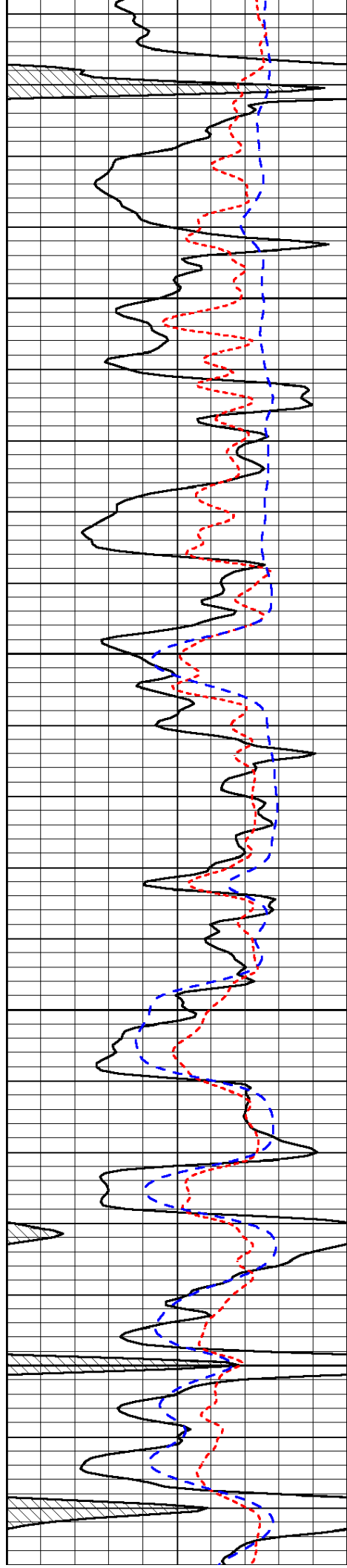
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-33

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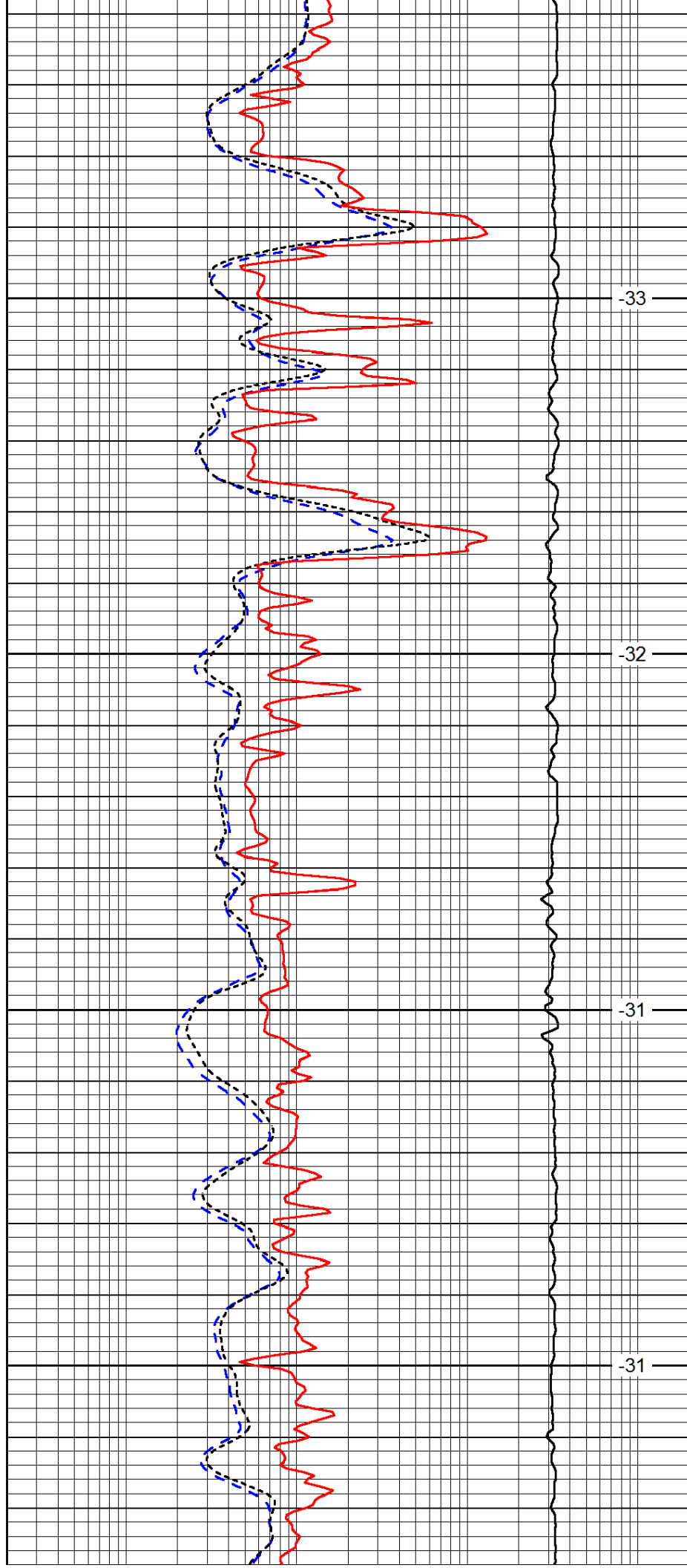


4600

4650

4700

4750

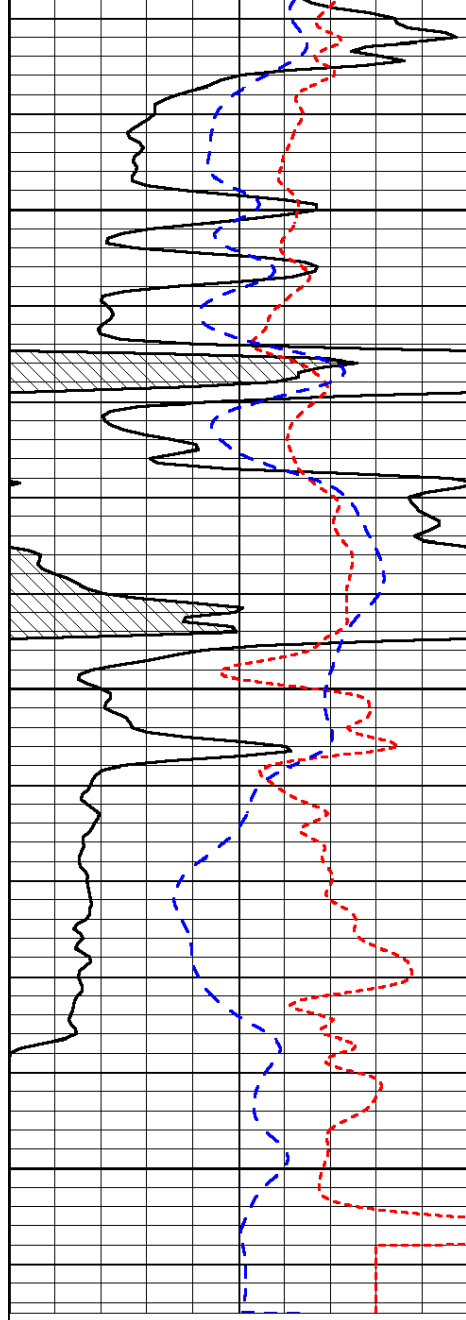


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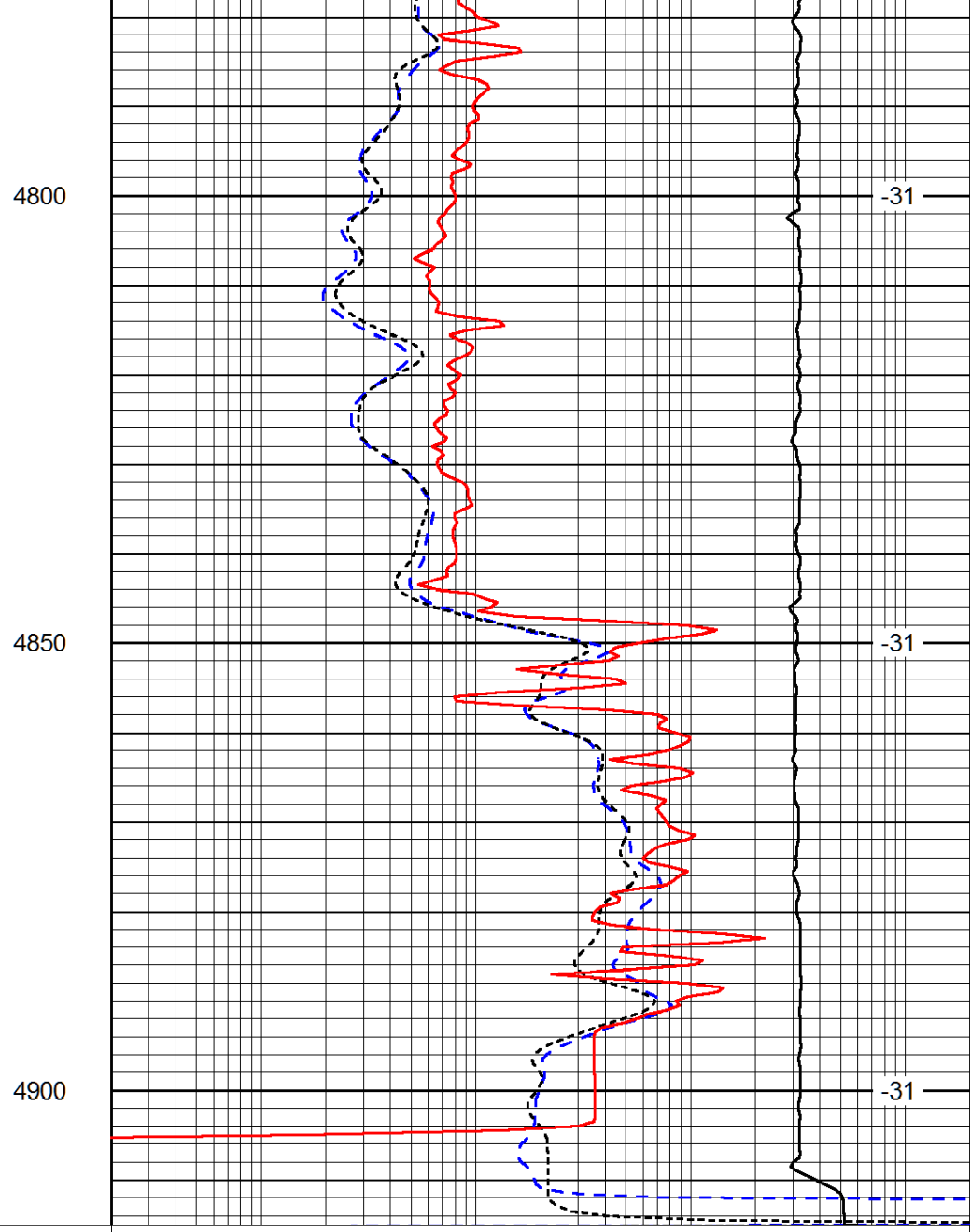
-32

-31

-31



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



0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD