



# Microresistivity 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  
DIL/BHCS

Permanent Datum

Ground Level

Elevation 3183

Log Measured From

Kelly Bushing

10 Ft. Above Perm. Datum

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

Drilling Measured From

Kelly Bushing

Elevation

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

Date

3/13/2015

Run Number

Two

Depth Driller

4909

Depth Logger

4909

Bottom Logged Interval

4908

Top Log Interval

3000

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 57

pH / Fluid Loss

9.0 8.8

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.

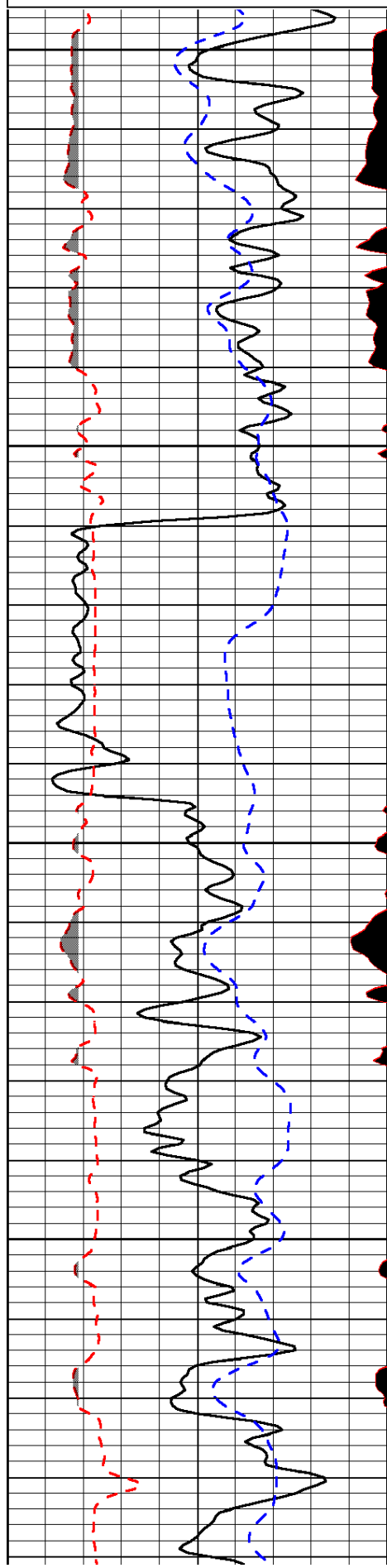
## Comments

Thank you for using Pioneer Energy Services  
785.625.3858

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

Database File: c:\programdata\warrior\data\bowcreek\_skolout\_2-25hd.db  
Dataset Pathname: dil/bowstck  
Presentation Format: micro  
Dataset Creation: Fri Mar 13 03:26:16 2015  
Charted by: Depth in Feet scaled 1:240

|       |                 |       |
|-------|-----------------|-------|
| 0     | Gamma Ray       | 150   |
| 6     | MCAL (GAPI)     | 16    |
| 2.875 | Mud Cake (GAPI) | 7.875 |
| -200  | SP (mV)         | 0     |



3000

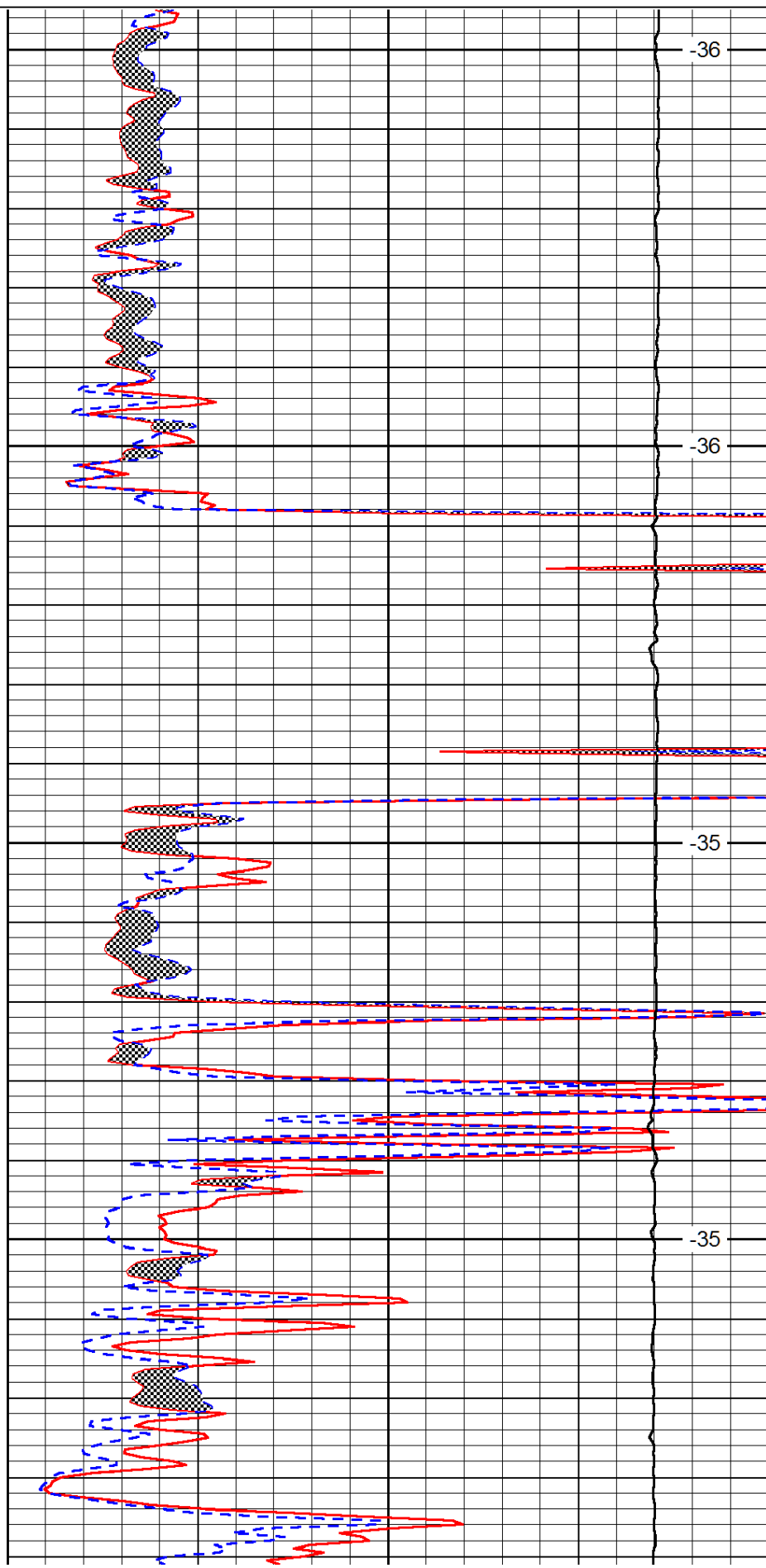
3050

3100

3150

|       |                     |    |
|-------|---------------------|----|
| 0     | Micro Inverse 1 X 1 | 40 |
| 0     | Micro Normal 2"     | 40 |
| 10000 | Line Weight         | 0  |

LSPD

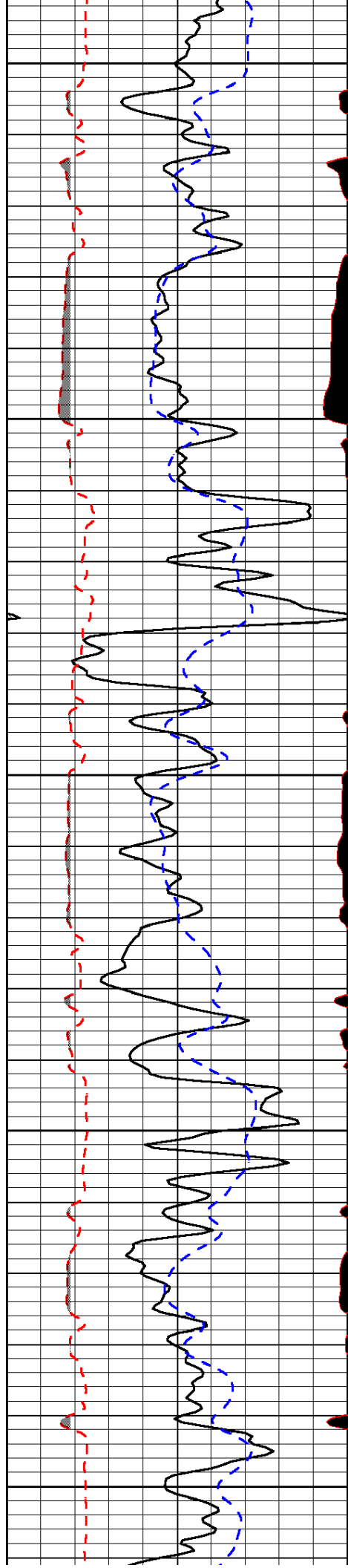


-36

-36

-35

-35



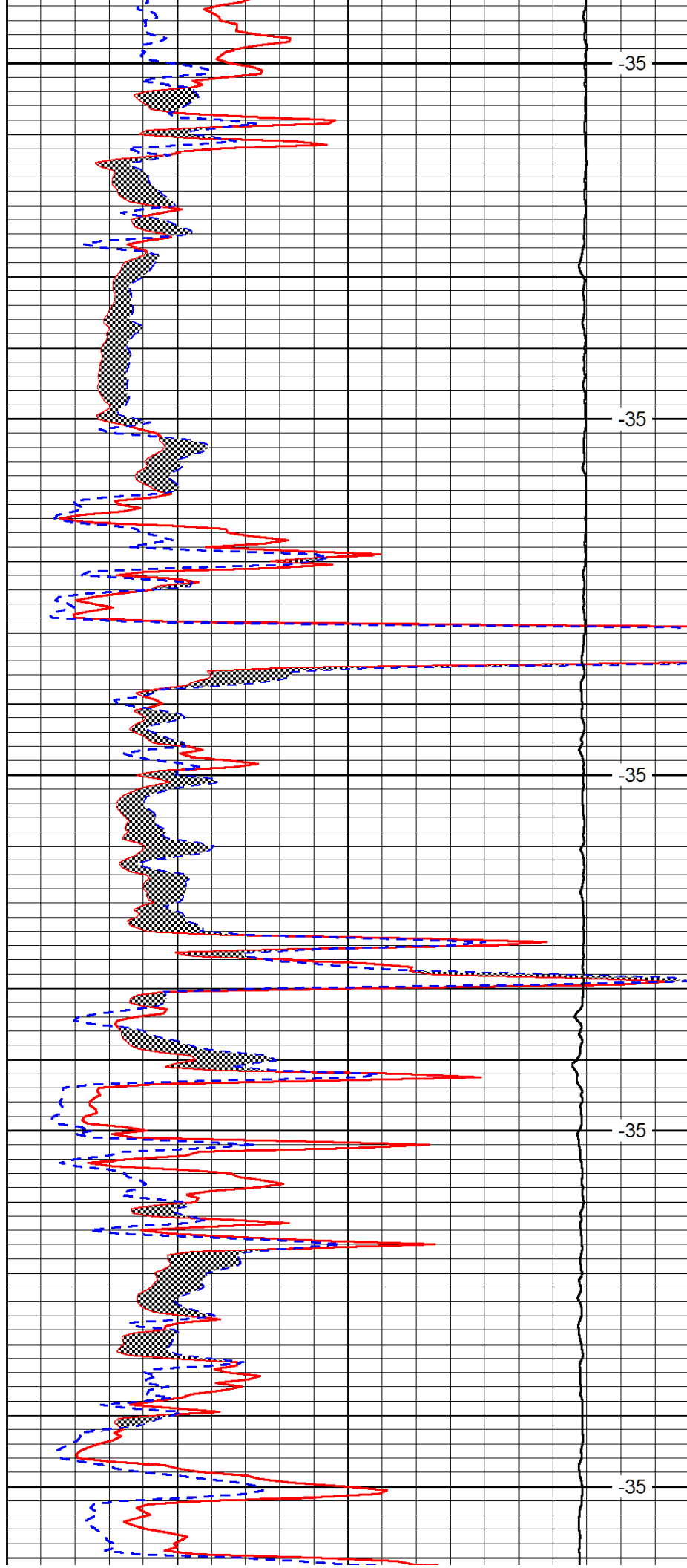
3200

3250

3300

3350

3400



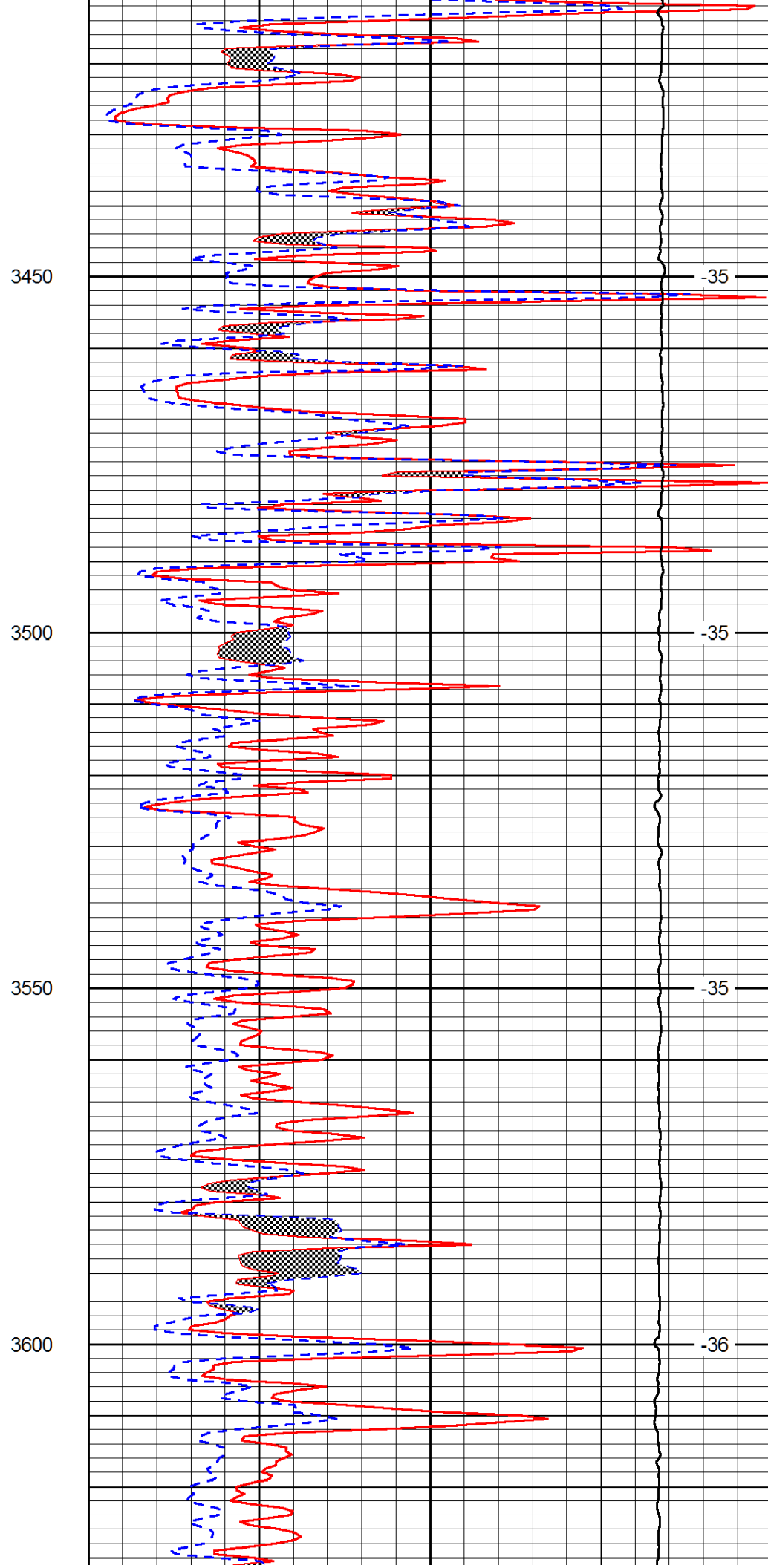
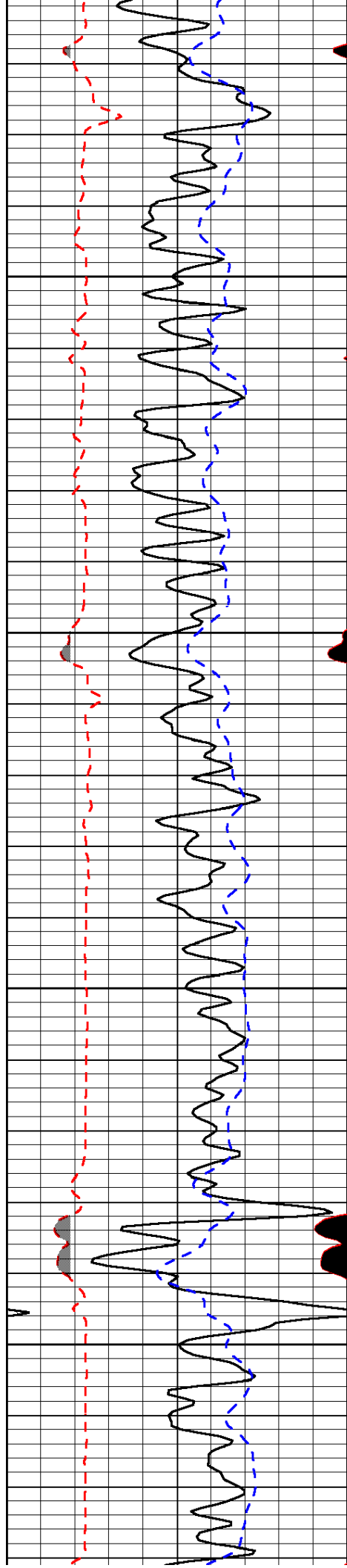
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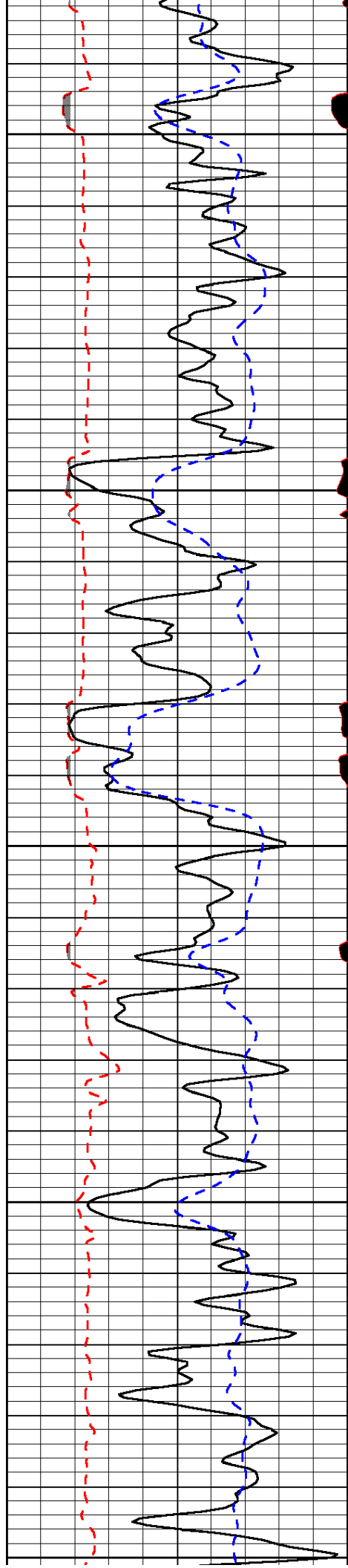
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-35

-35

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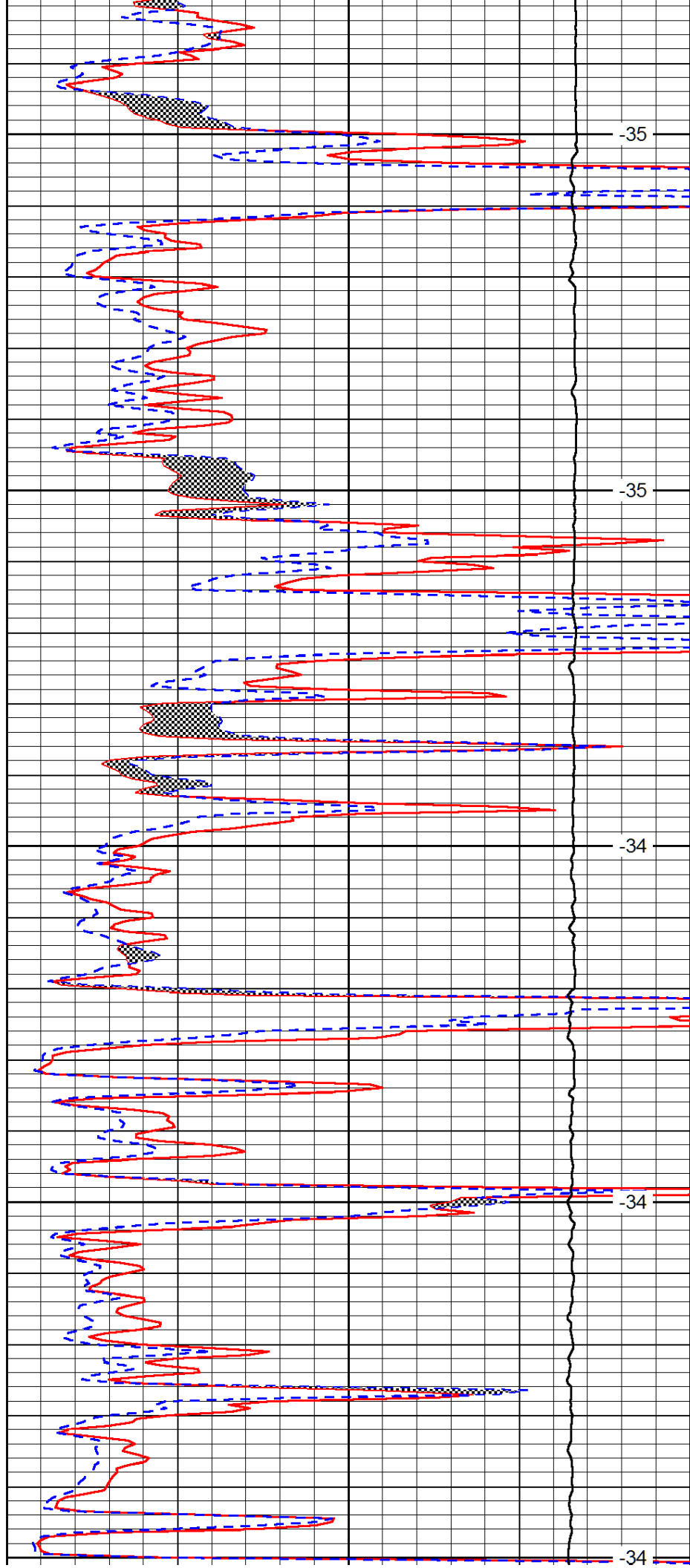
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3700

3750

3800

3850



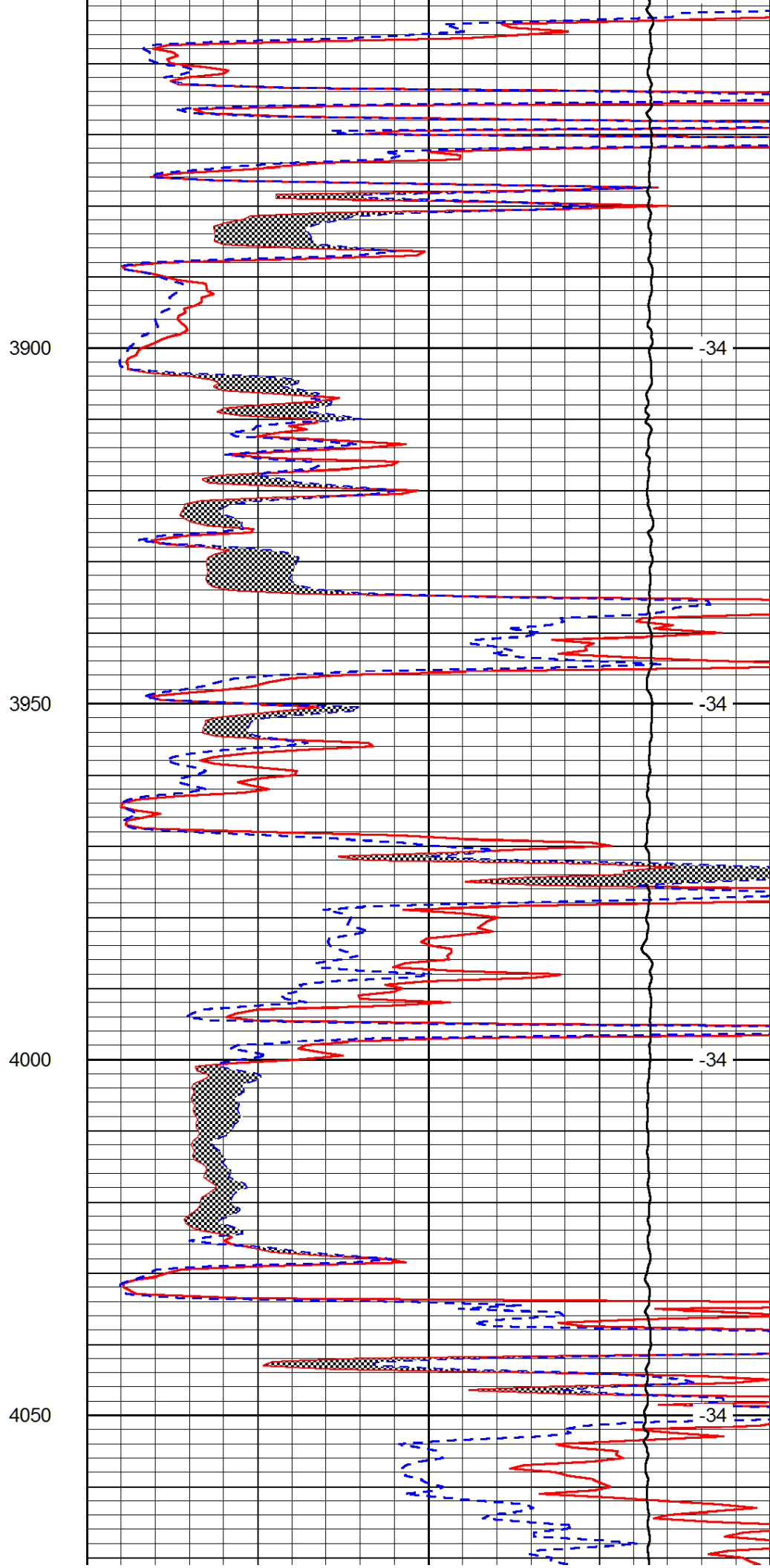
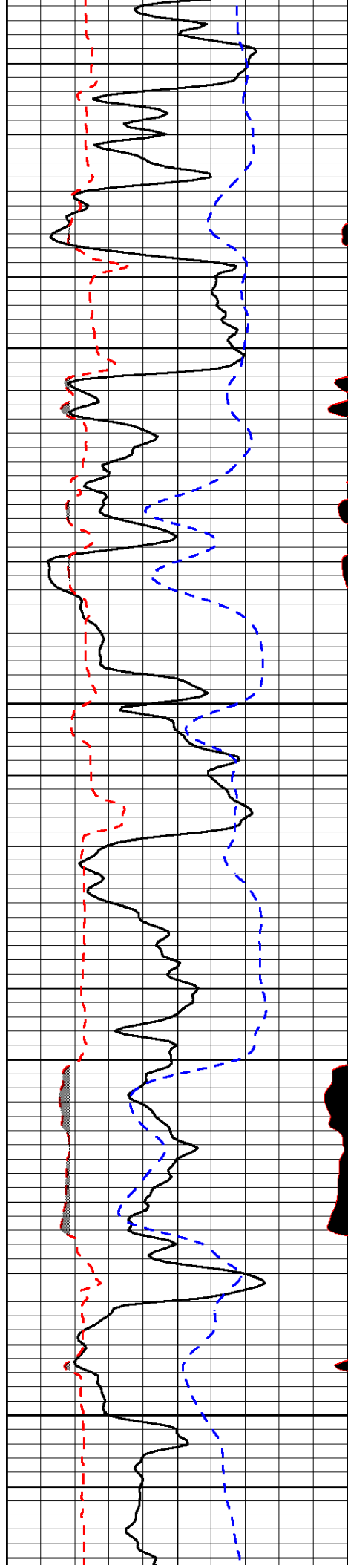
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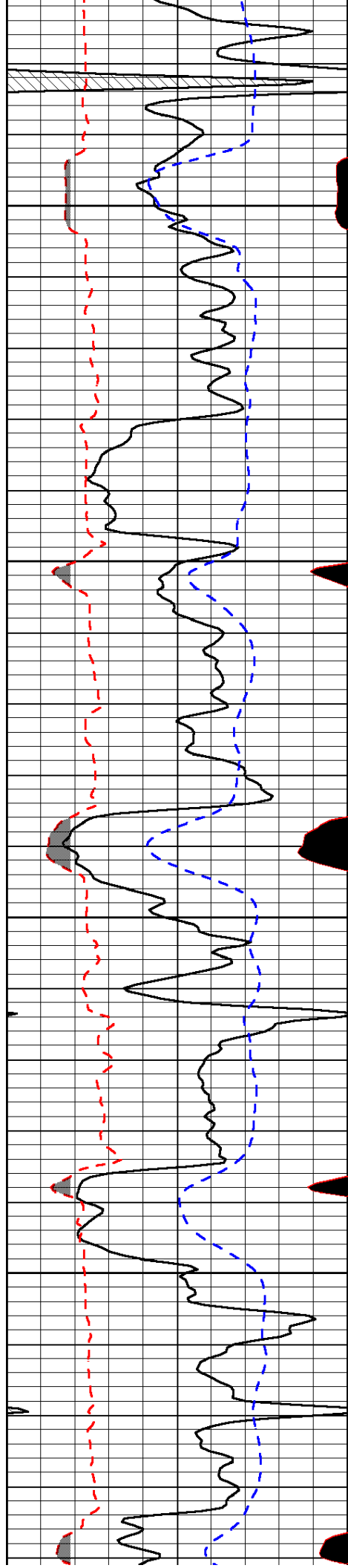
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-34

-34

-34



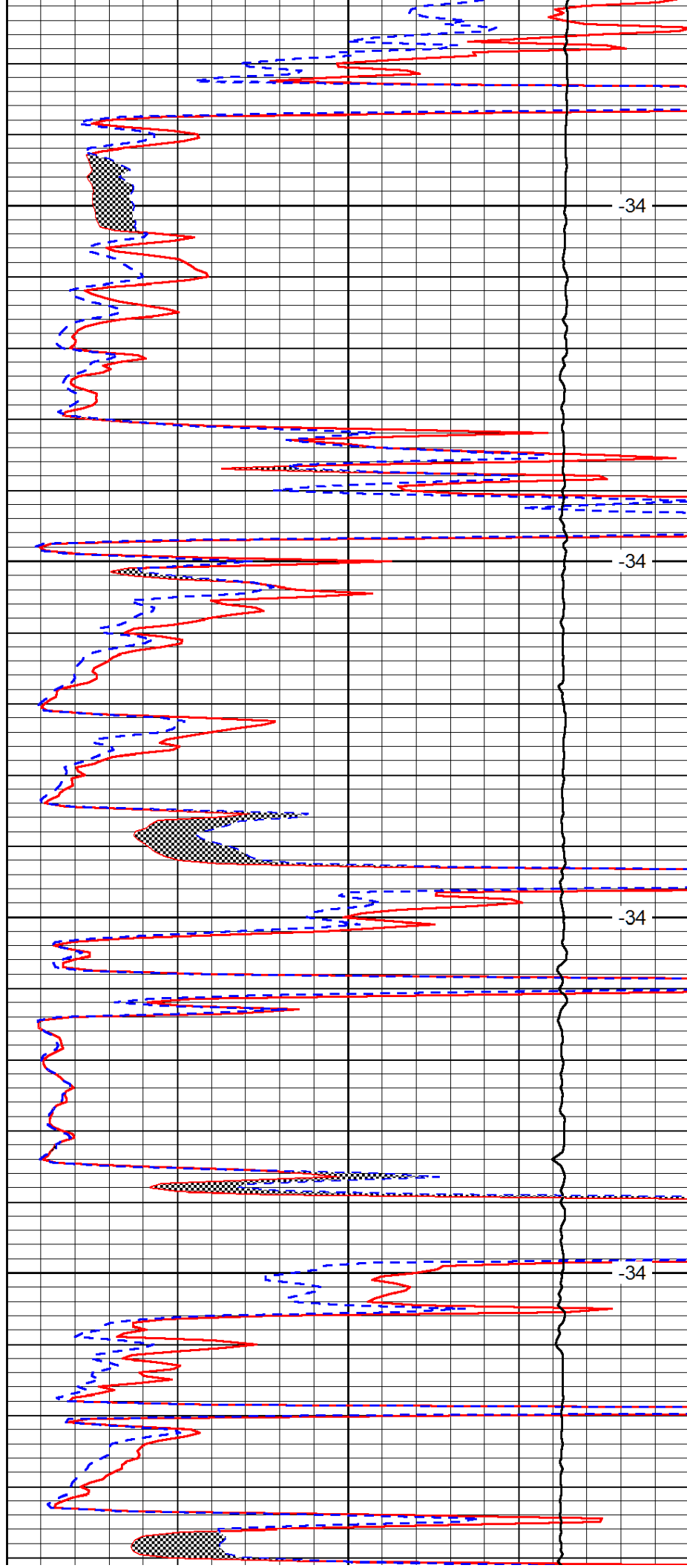


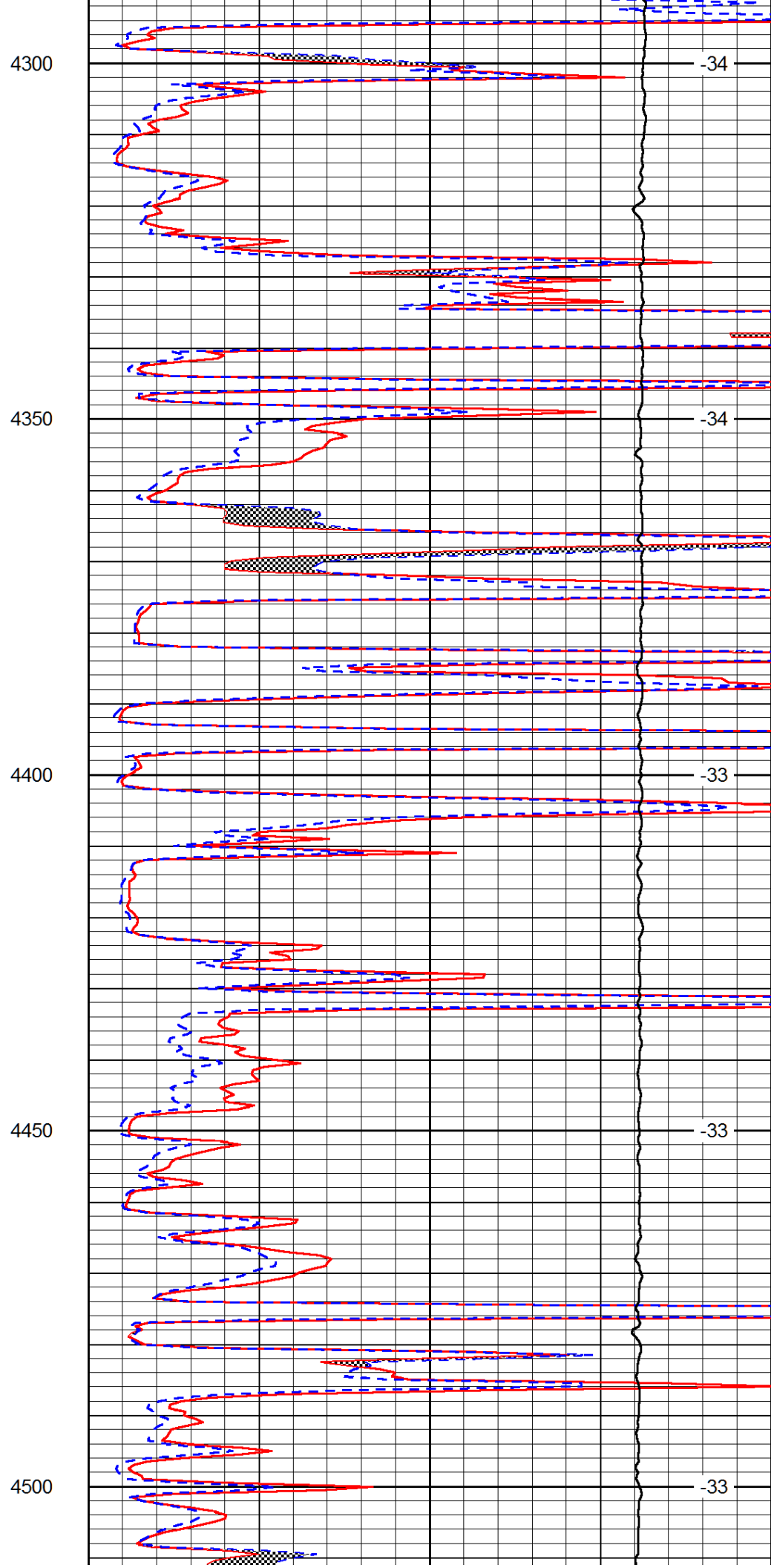
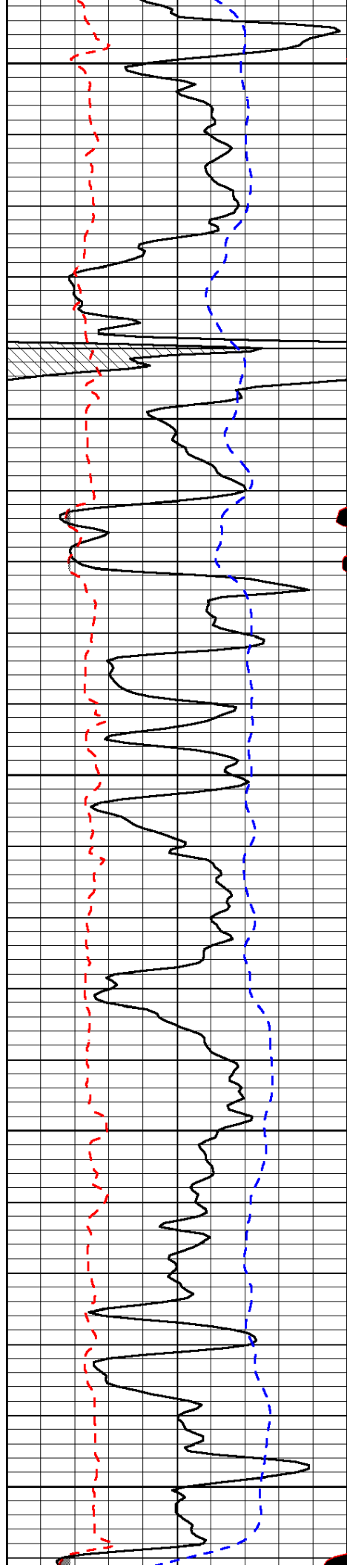
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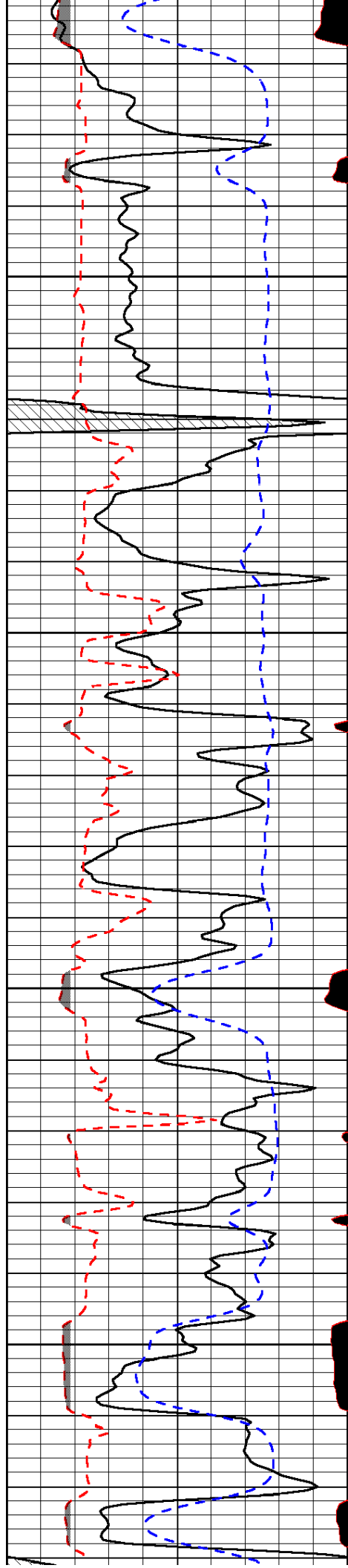
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4200

4250





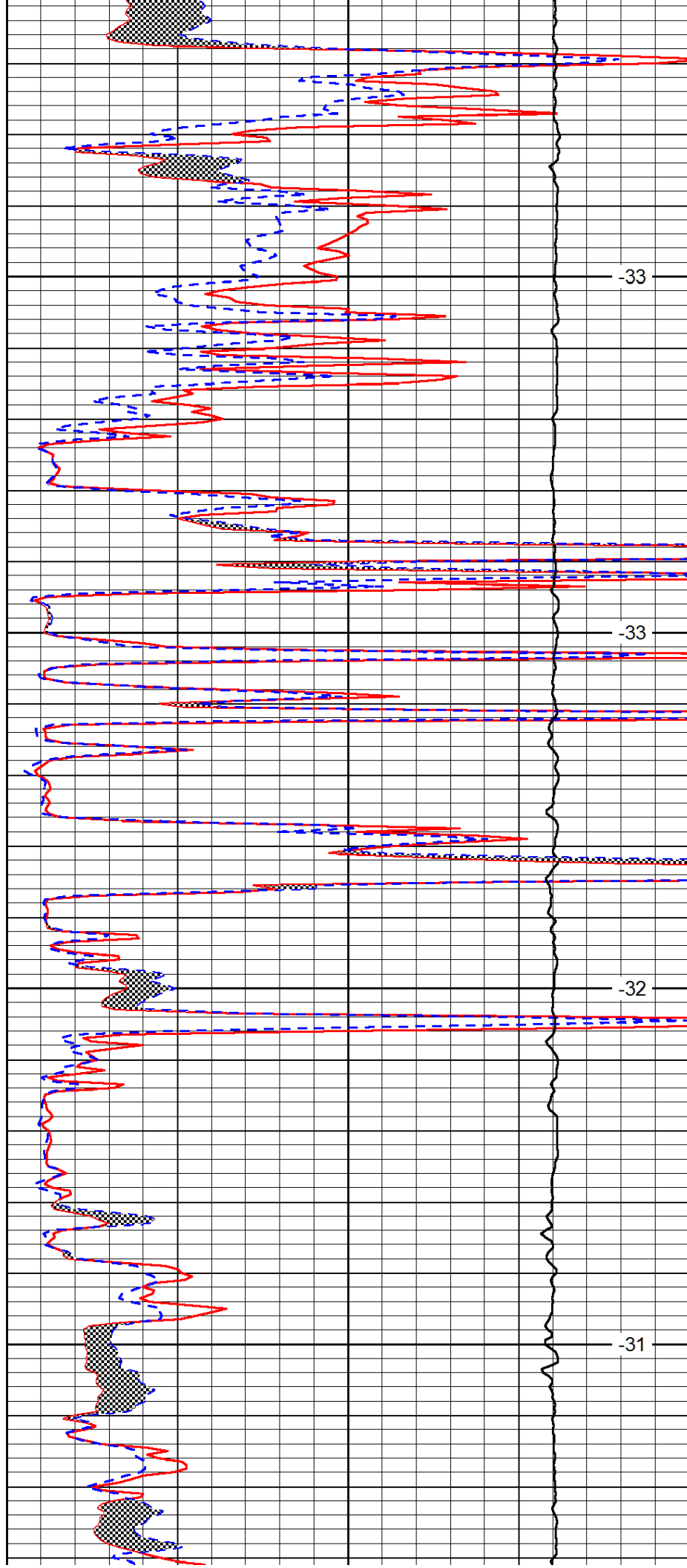


4550

4600

4650

4700

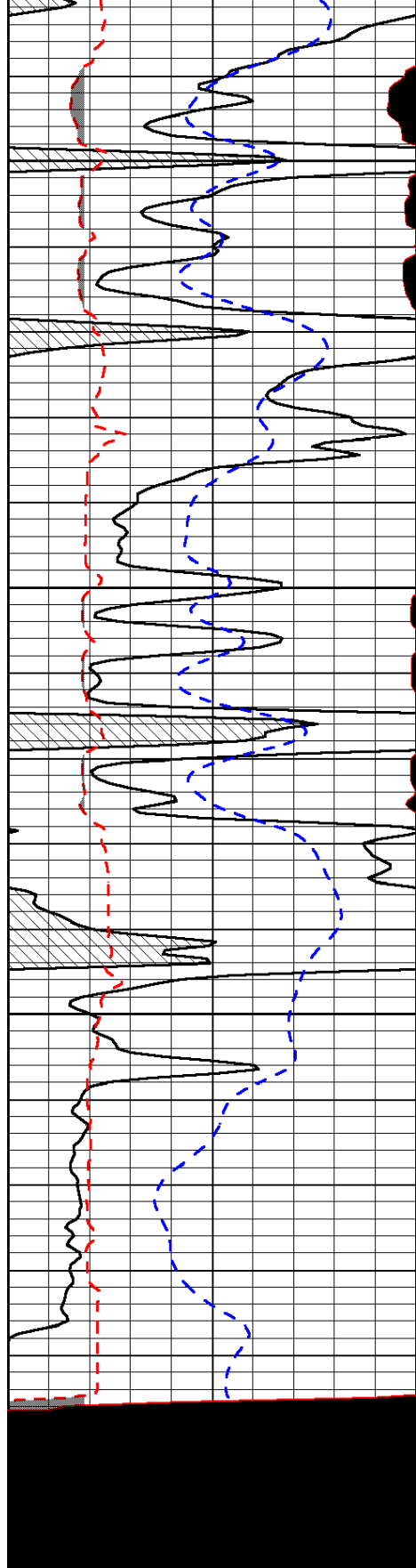


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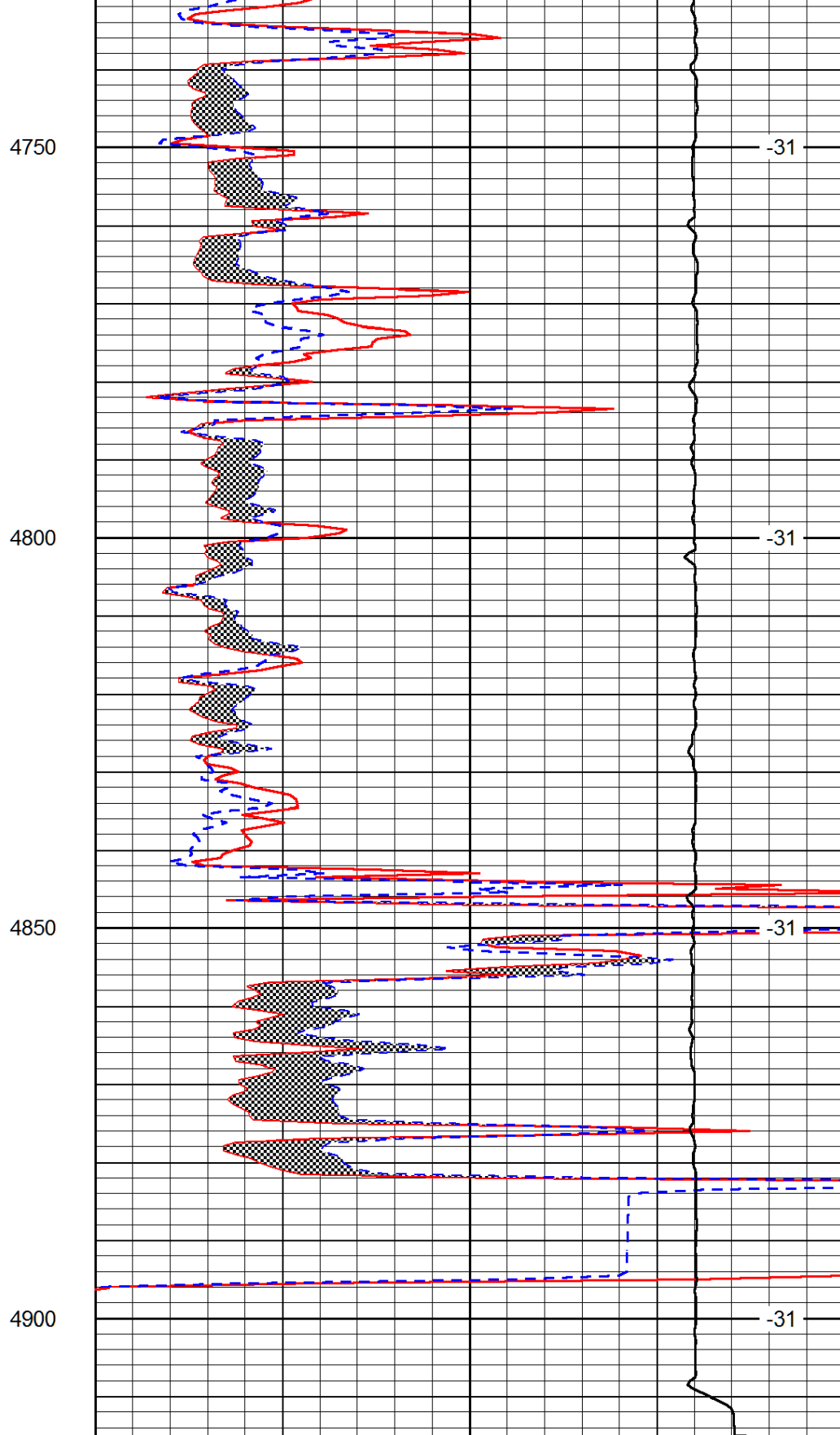
-33

-32

-31



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