



Microresistivity Log

Pioneer Energy Services

API No.

15-129-21,955-00-00

Company Scout Energy Management, LLC.

Well Berryman Richfield Unit #9-1A

Field Richfield

County Morton State Kansas

Location NE SW NE SE
1955' FSL & 792' FEL

Sec: 34 Twp: 32S Rge: 41W

Other Services
DIL
CNL/CDL

Permanent Datum Ground Level Elevation 3407

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

Drilling Measured From Kelly Bushing Elevation
K.B. 3420
D.F. 3407
G.L. 3407

Date 12/13/2013

Run Number Two

Depth Driller 5200

Depth Logger 5208

Bottom Logged Interval 5197

Top Log Interval 1550

Casing Driller 8.625 @ 1595

Casing Logger 1584

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 1200

Density / Viscosity 9.3 39

pH / Fluid Loss 6.8 10.5

Source of Sample Flowline

Rm @ Meas. Temp 0.95 @ 58

Rmf @ Meas. Temp 0.71 @ 58

Rmc @ Meas. Temp 1.28 @ 58

Source of Rmf / Rmc Charts

Rm @ BHT 0.43 @ 128

Operating Rig Time 5 1/2 Hours

Max Rec. Temp. F 128

Equipment Number 15

Location Hays

Recorded By D. Kerr

Witnessed By David Rice

<<< Fold Here >>>

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

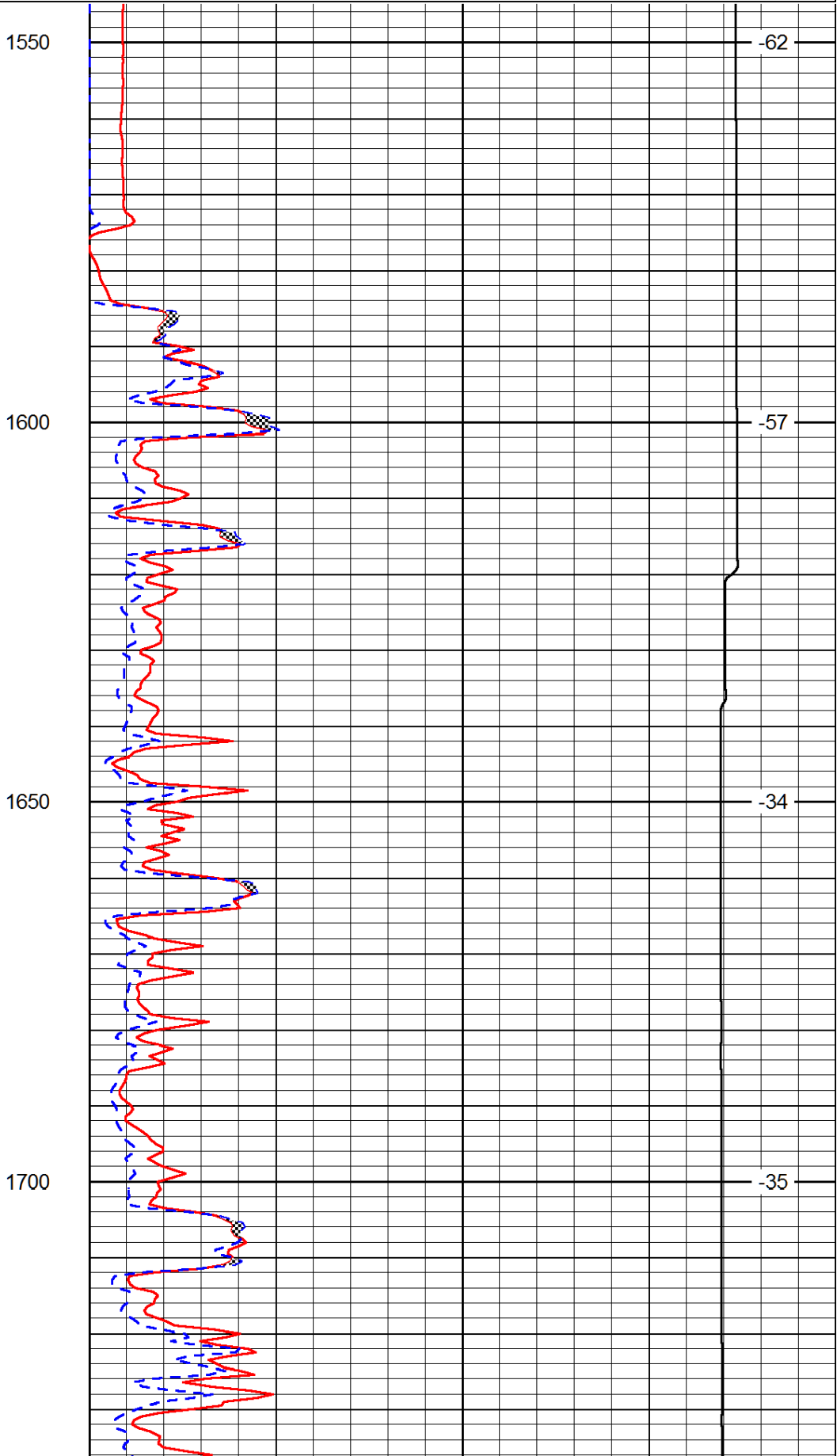
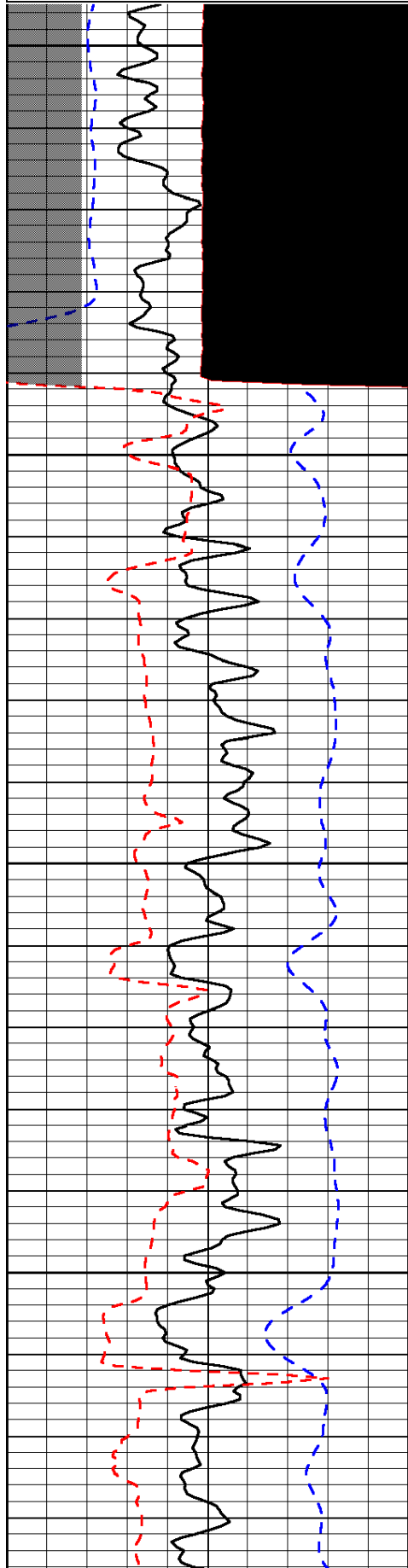
Thank you for using Log-Tech, Inc.
(785) 625-3858

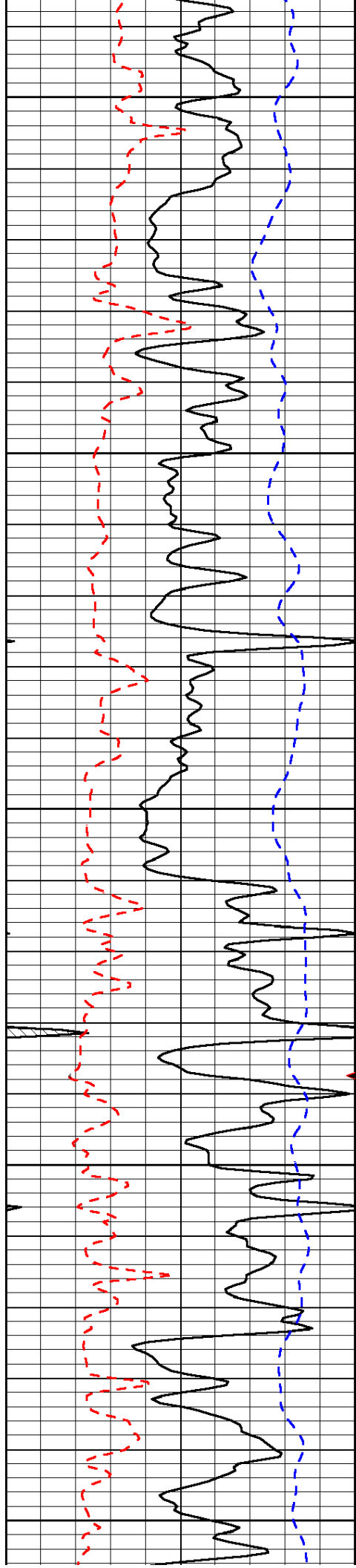
Rolla KS , 8 North, 6 West,
3/4 South, West Into

Database File: scout_berrymanrichfield_9_1ahd.db
Dataset Pathname: DIL/sctstk
Presentation Format: micro
Dataset Creation: Fri Dec 13 03:03:32 2013
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:210		
0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0

0	Micro Inverese 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0
		LSPD (ft/min)





1750

1800

1850

1900

1950

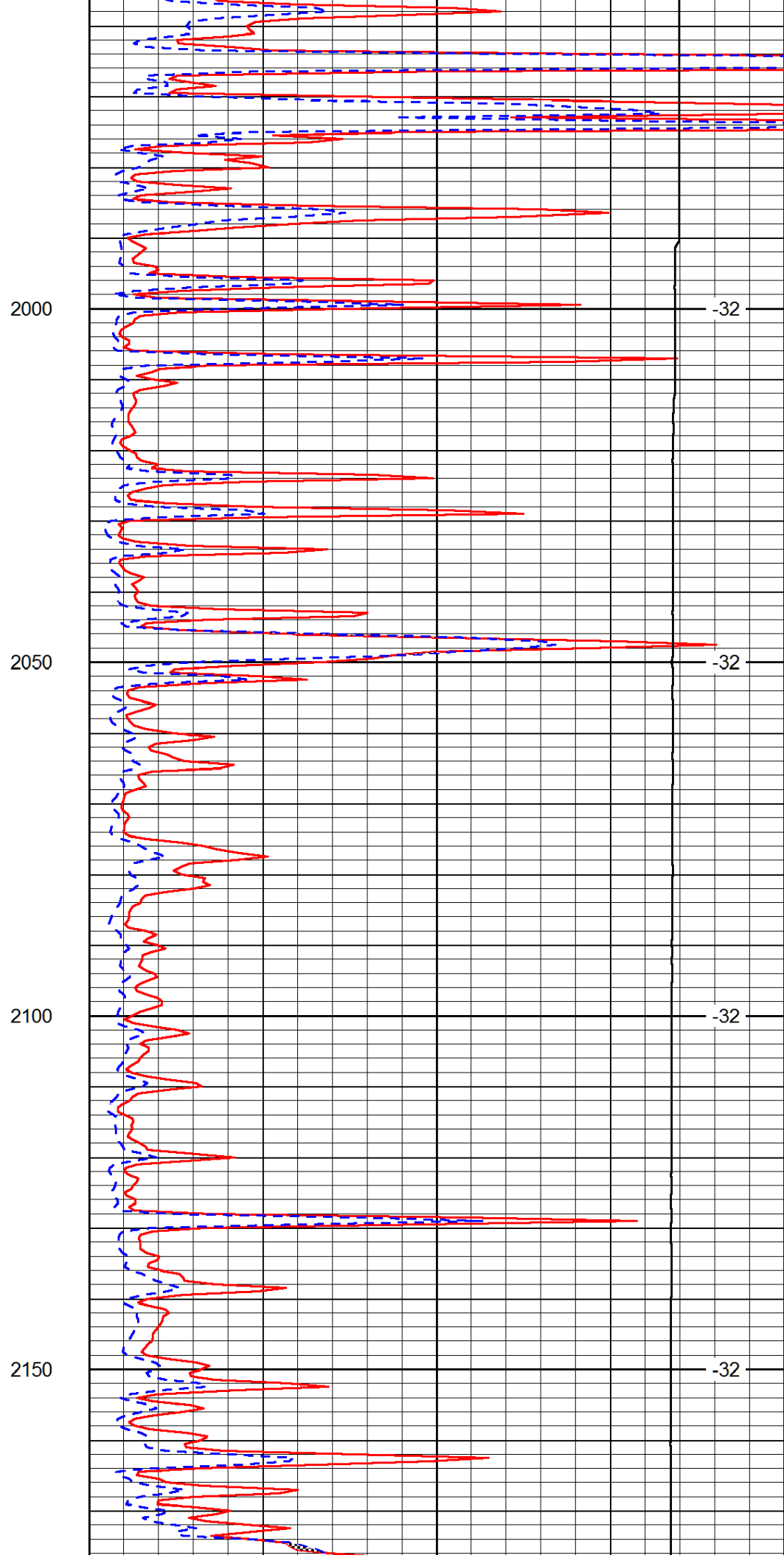
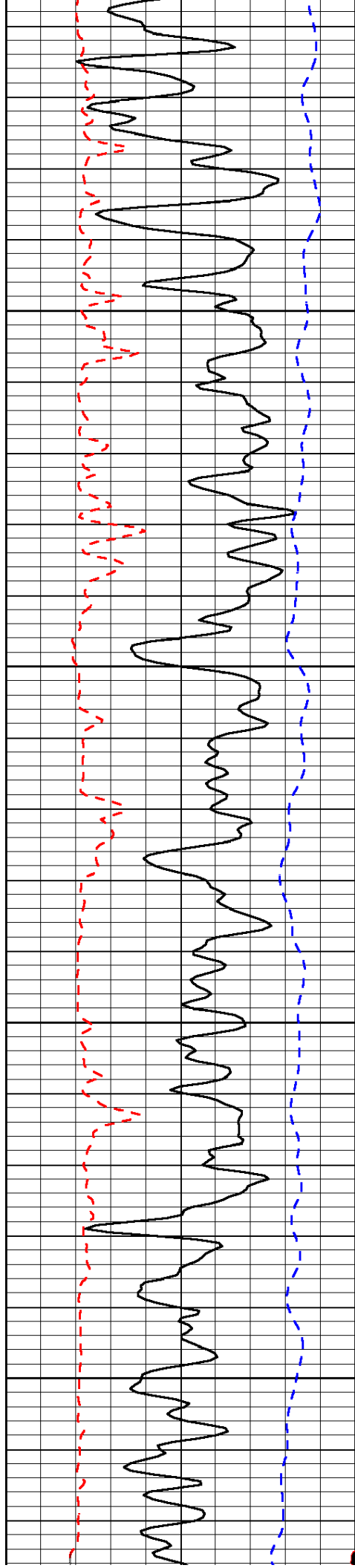
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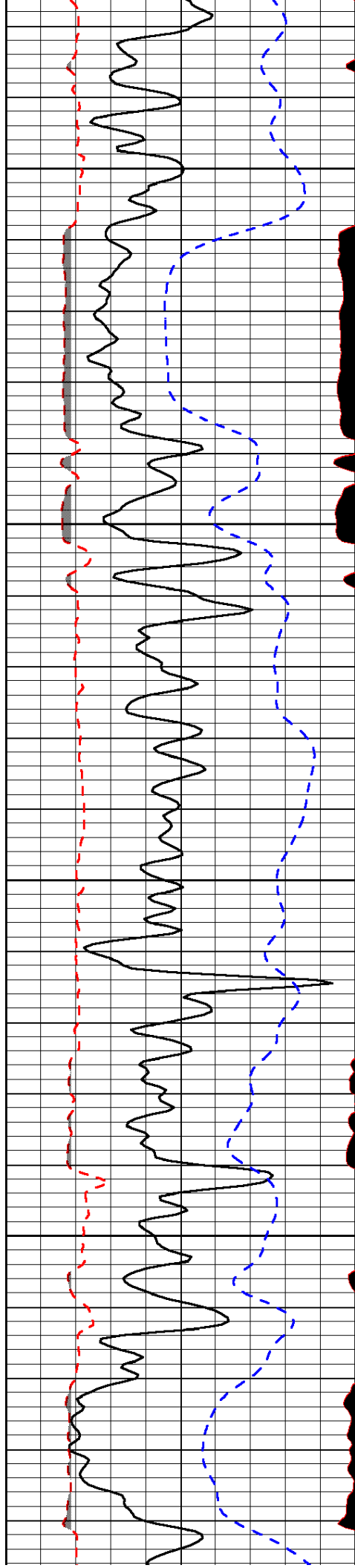
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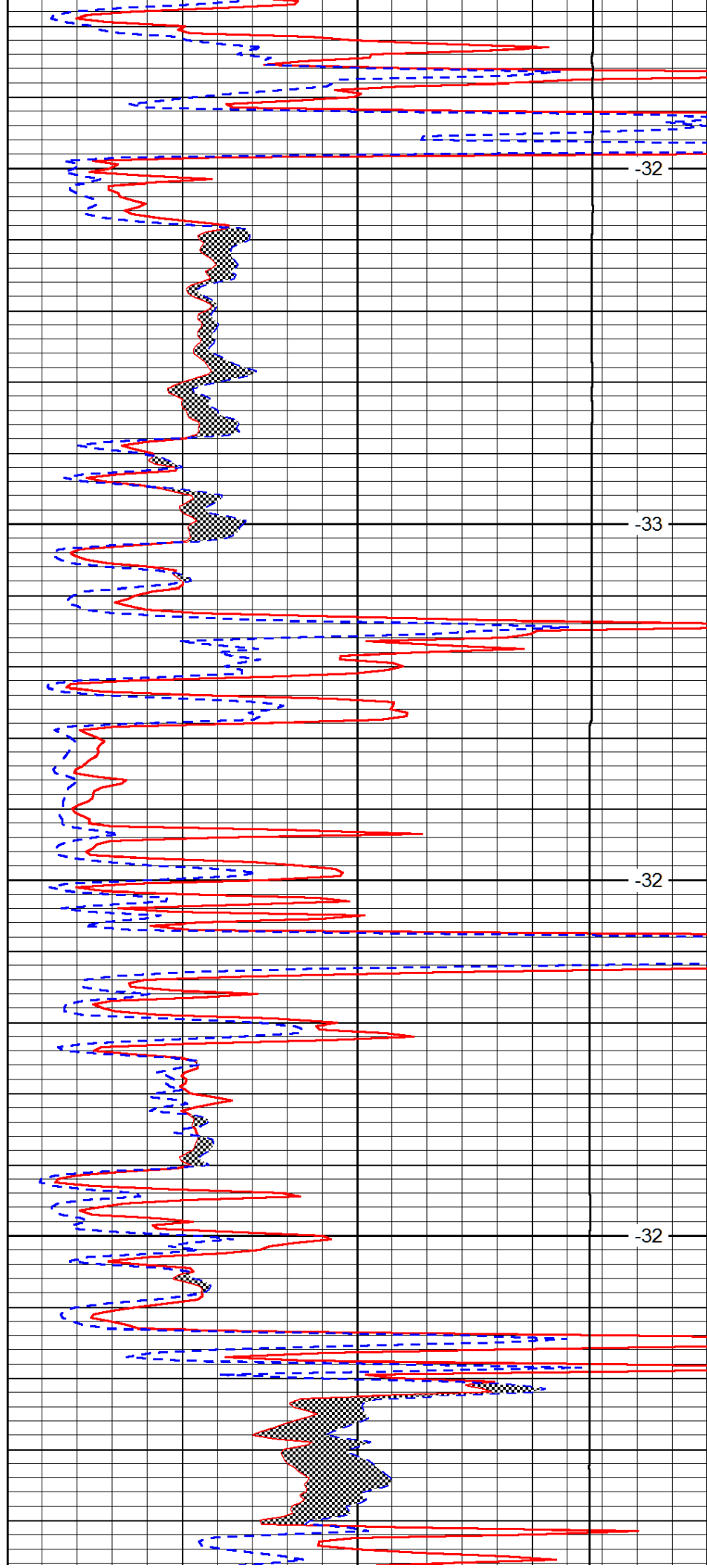


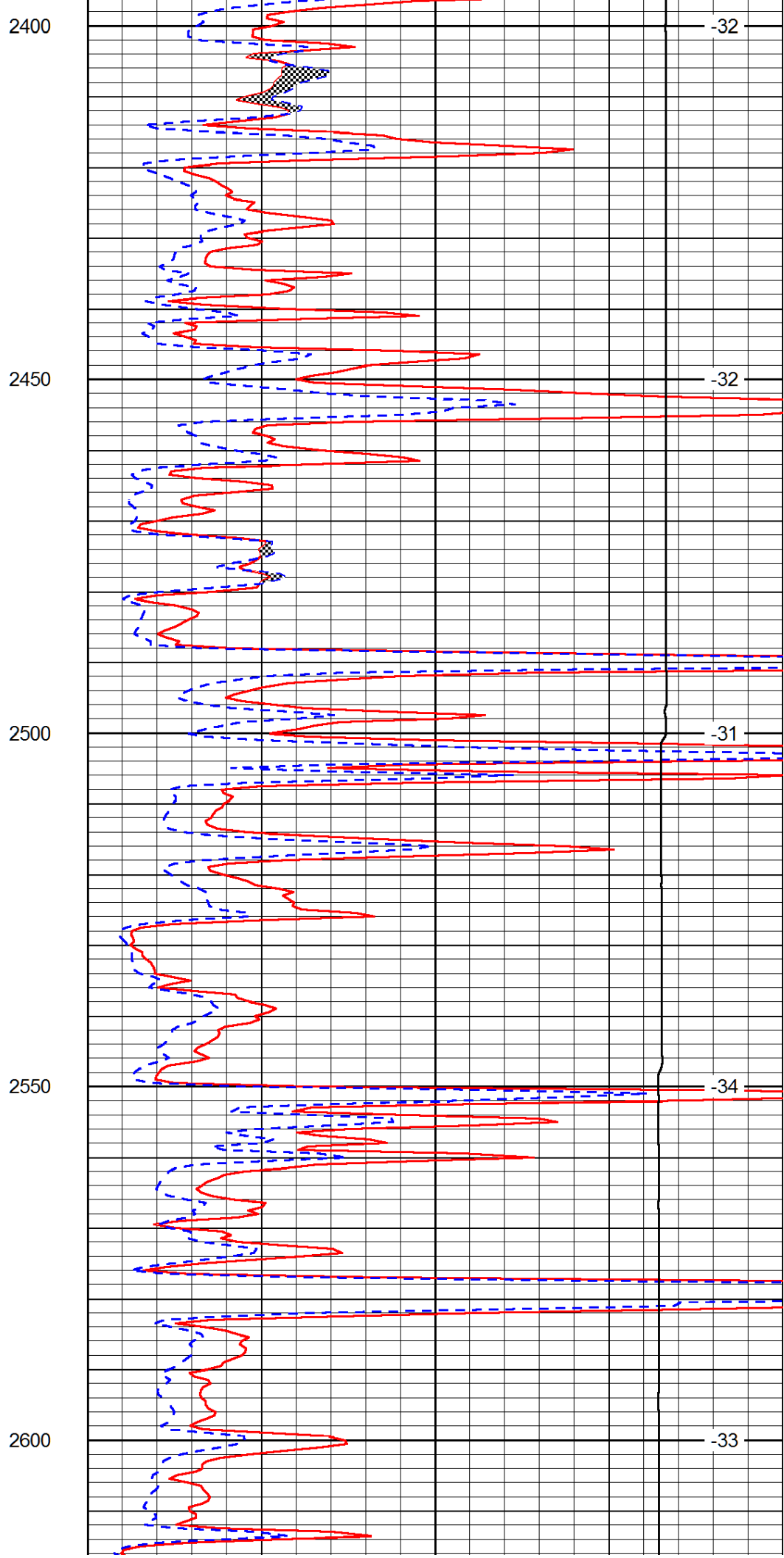
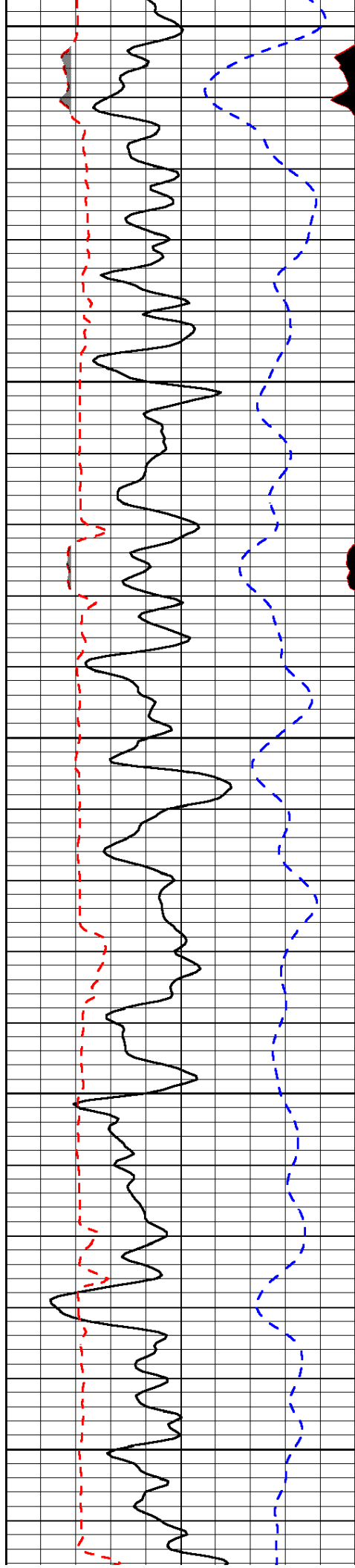
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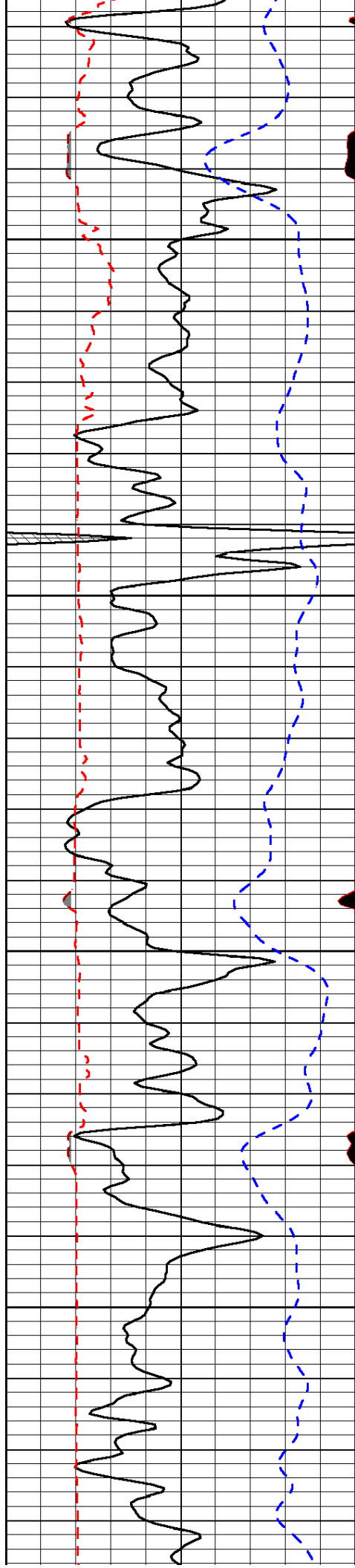
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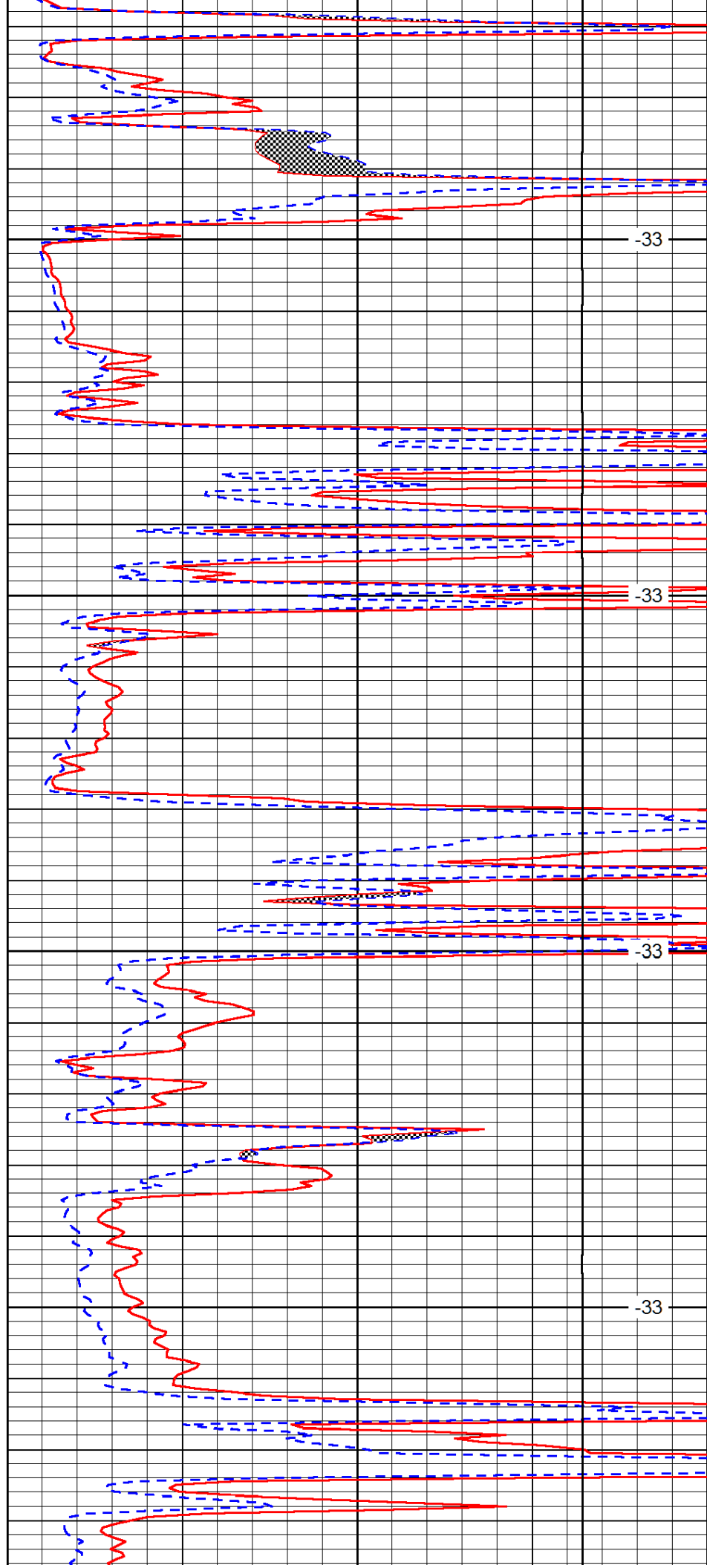


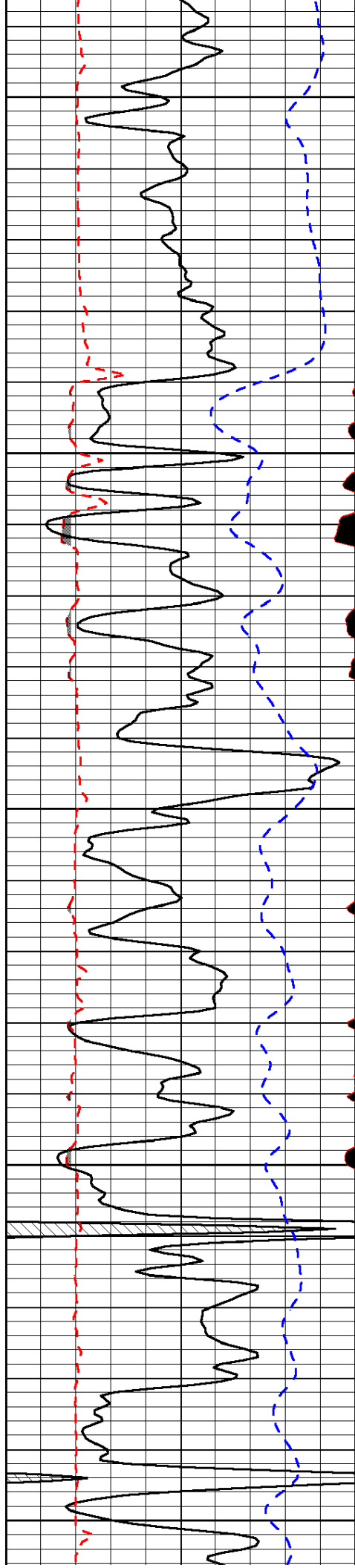
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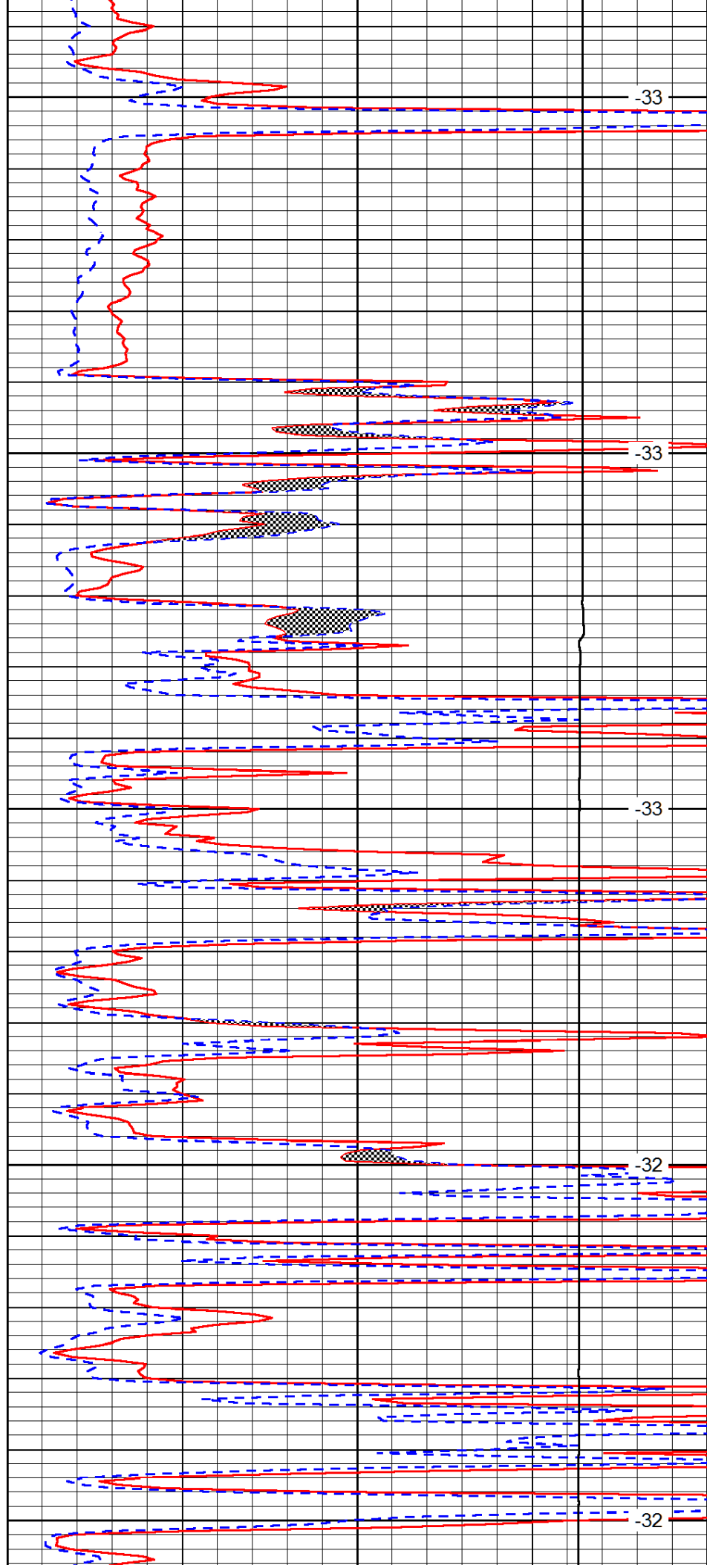
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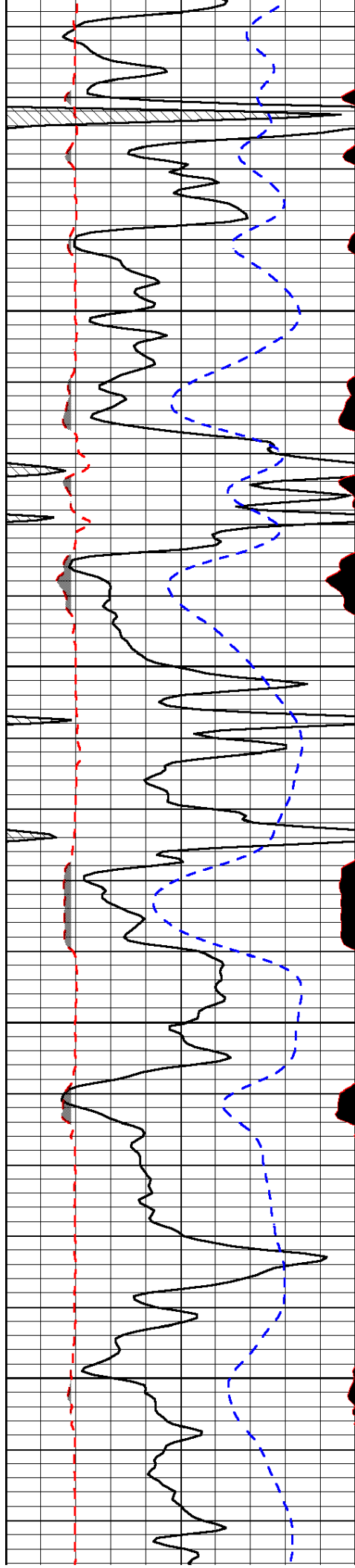
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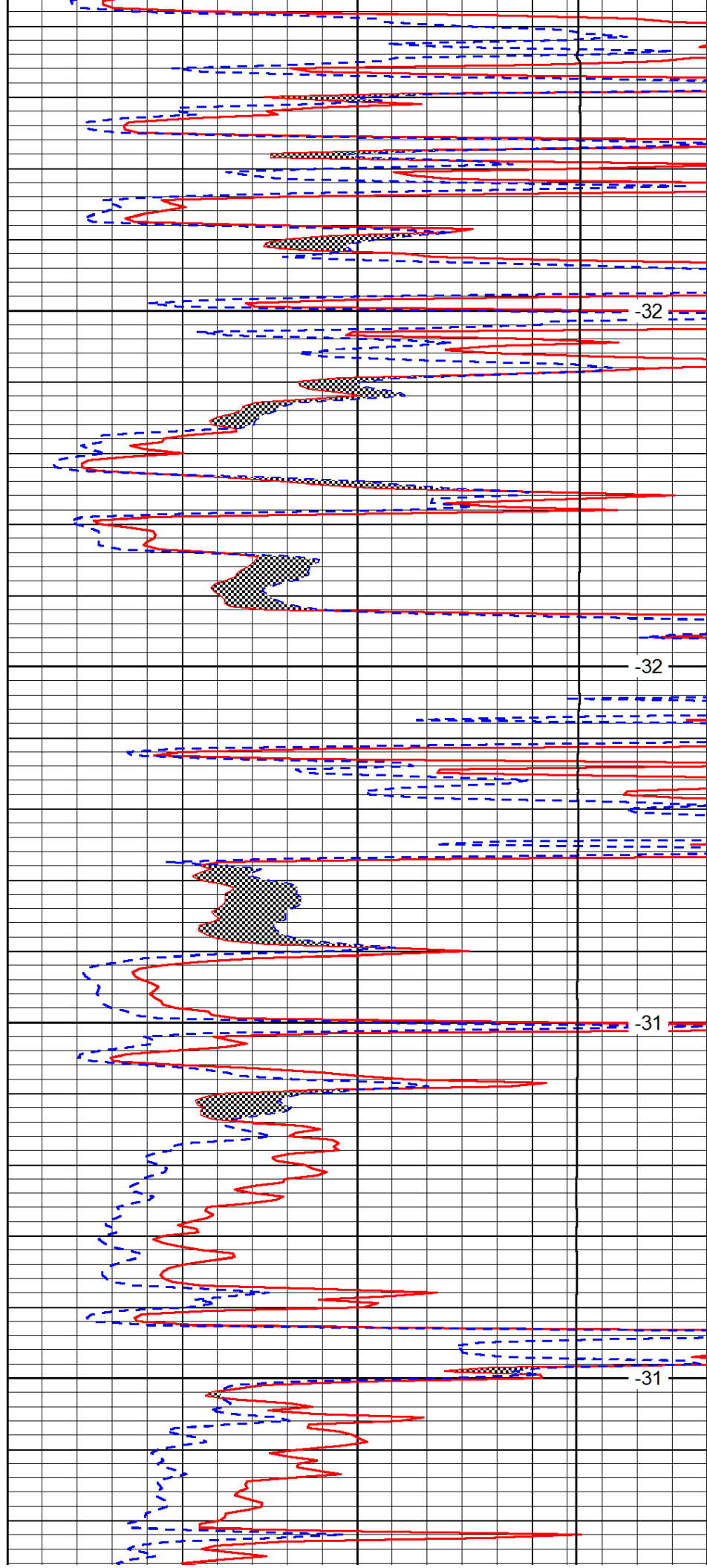


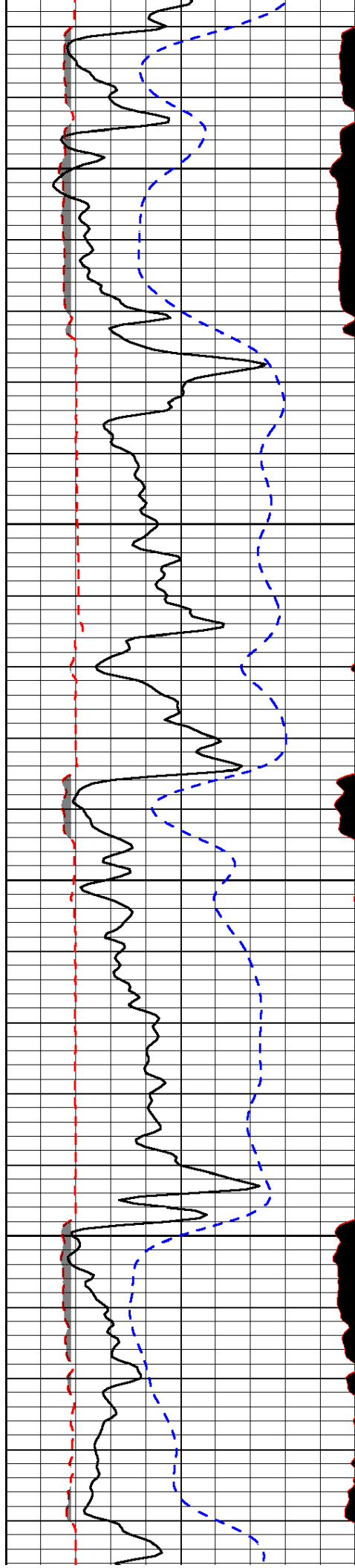
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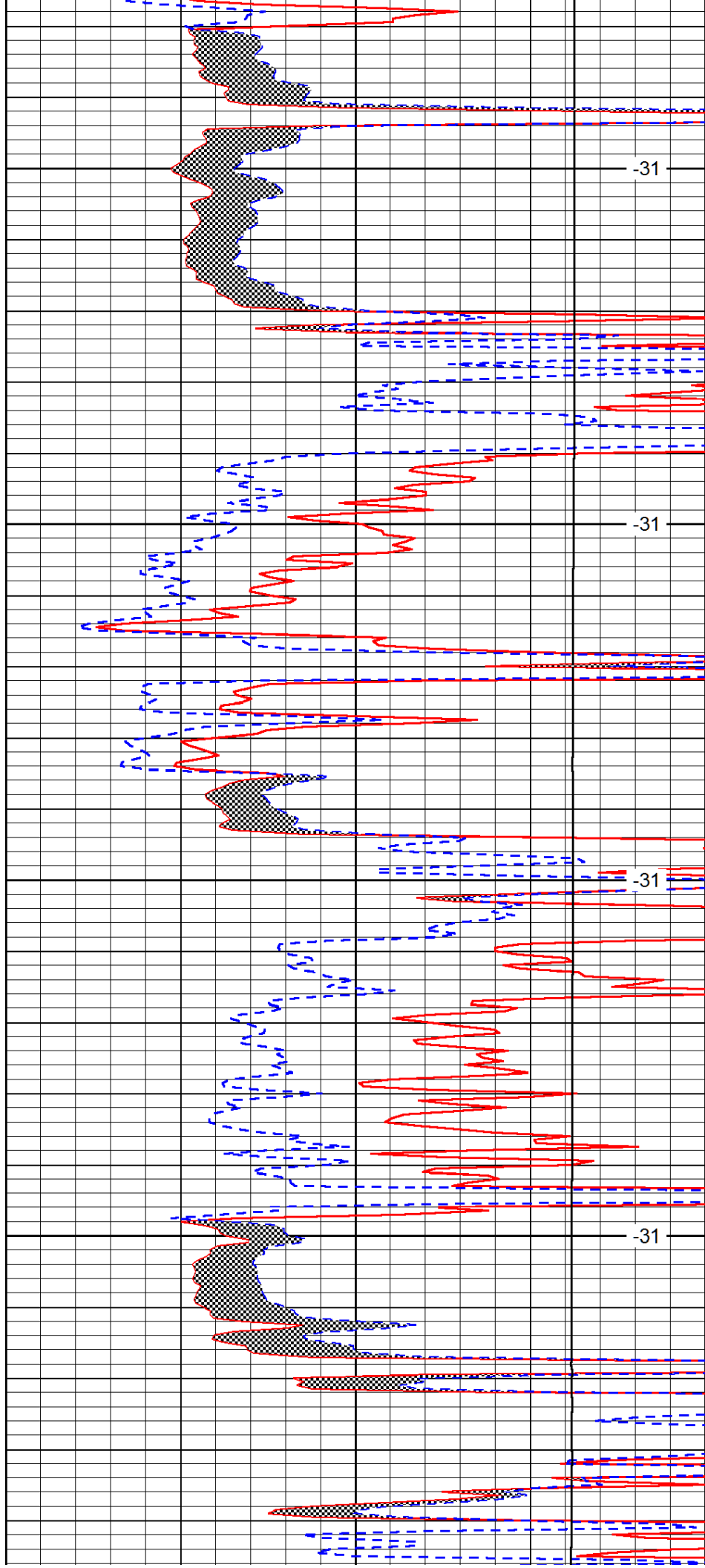


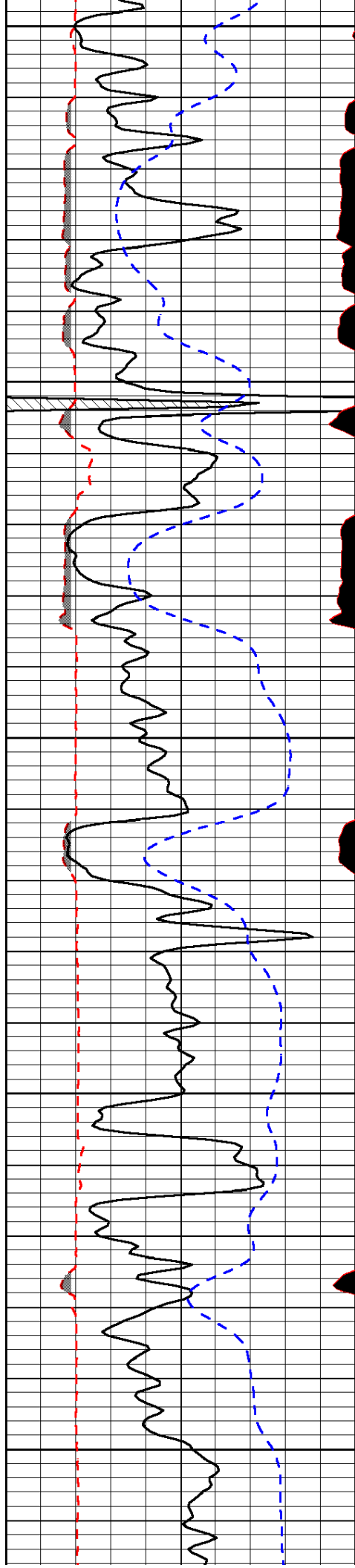
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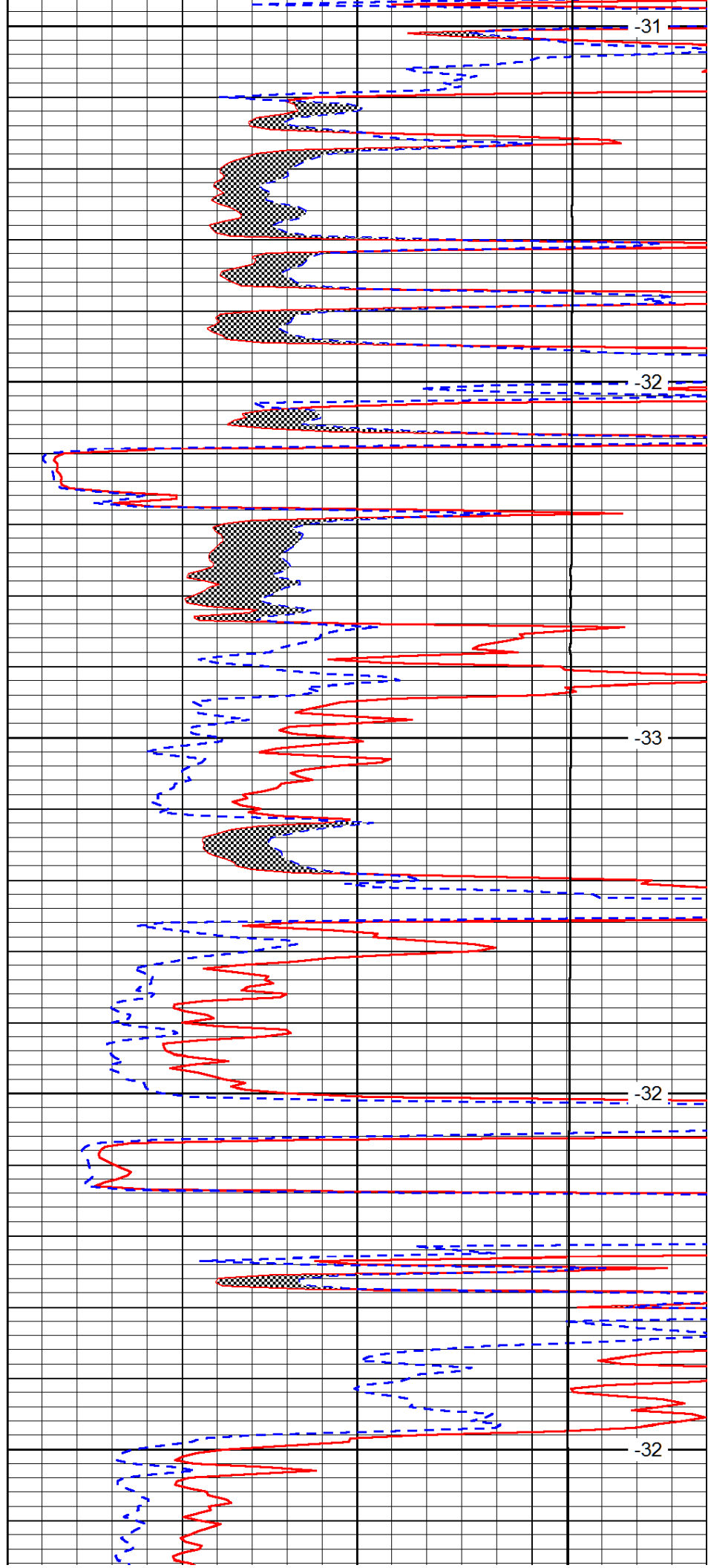
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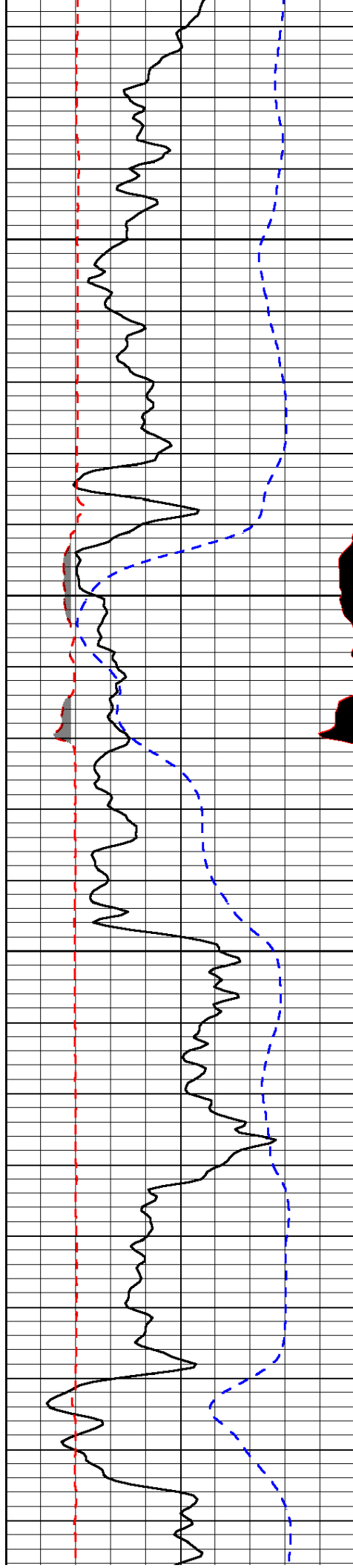
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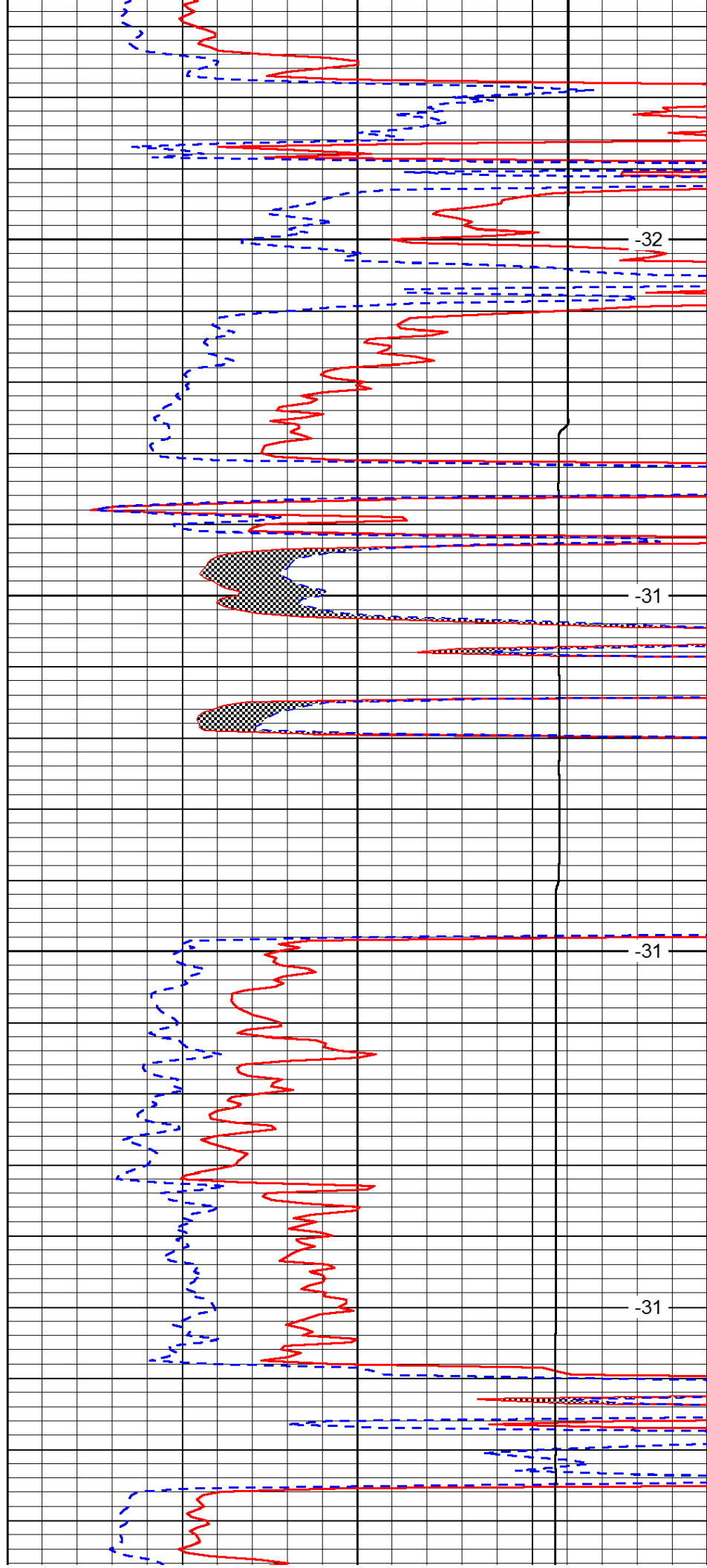


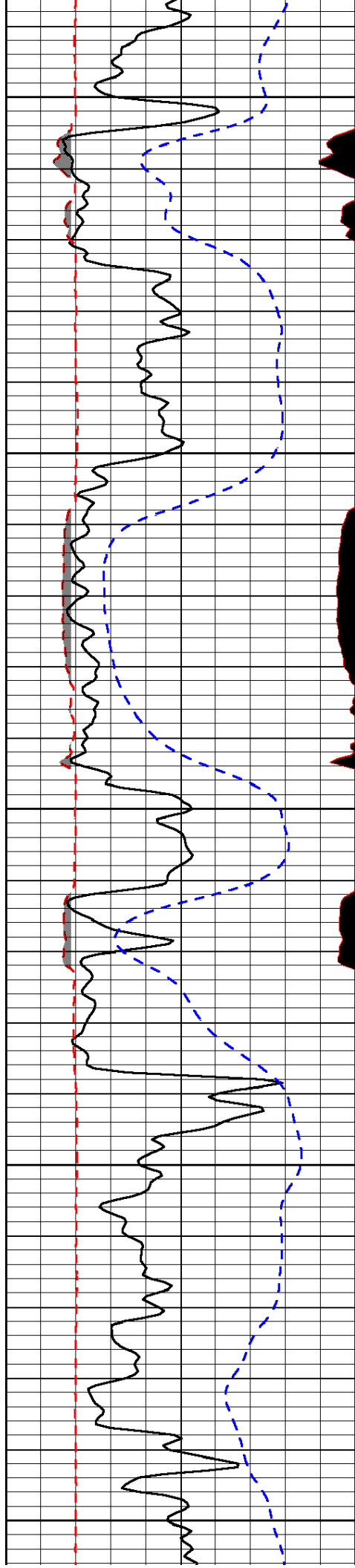
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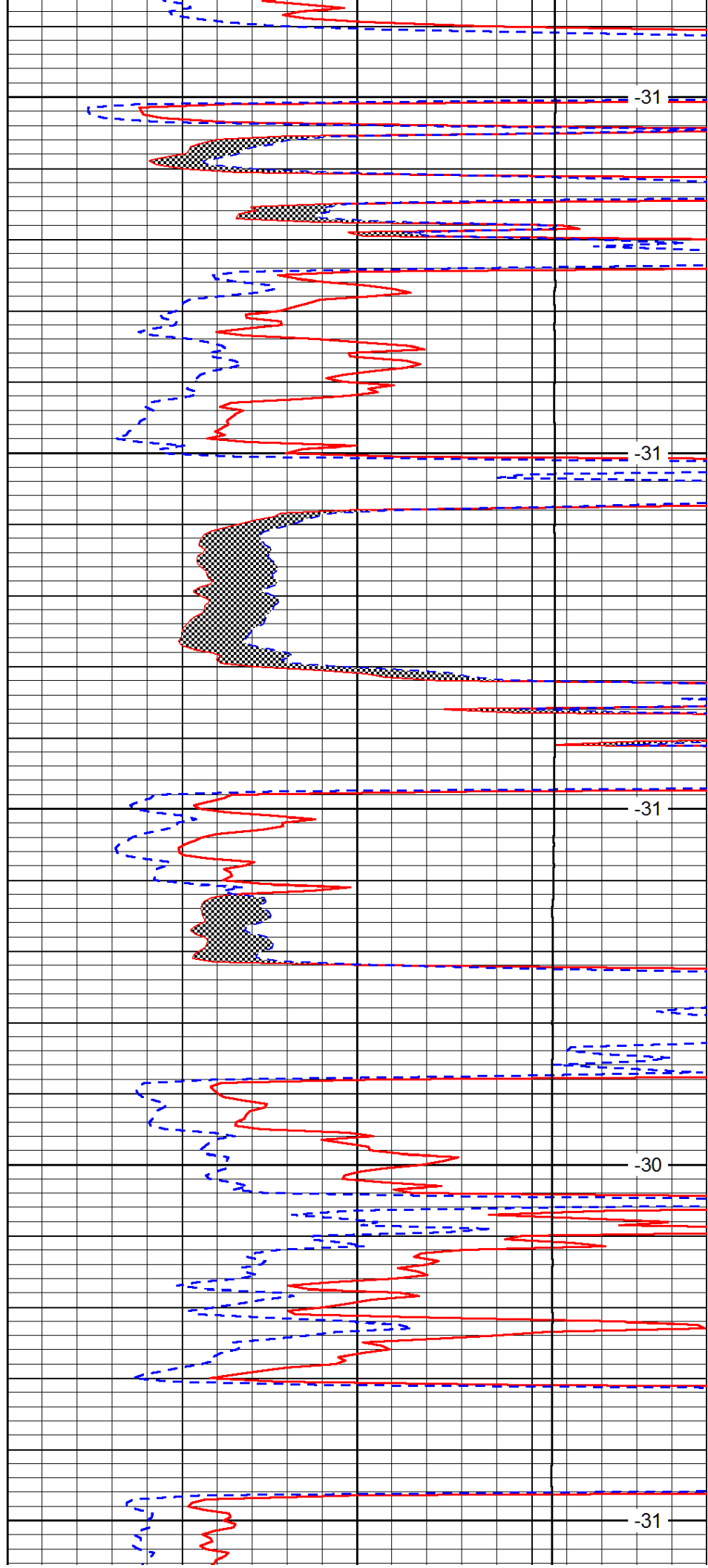
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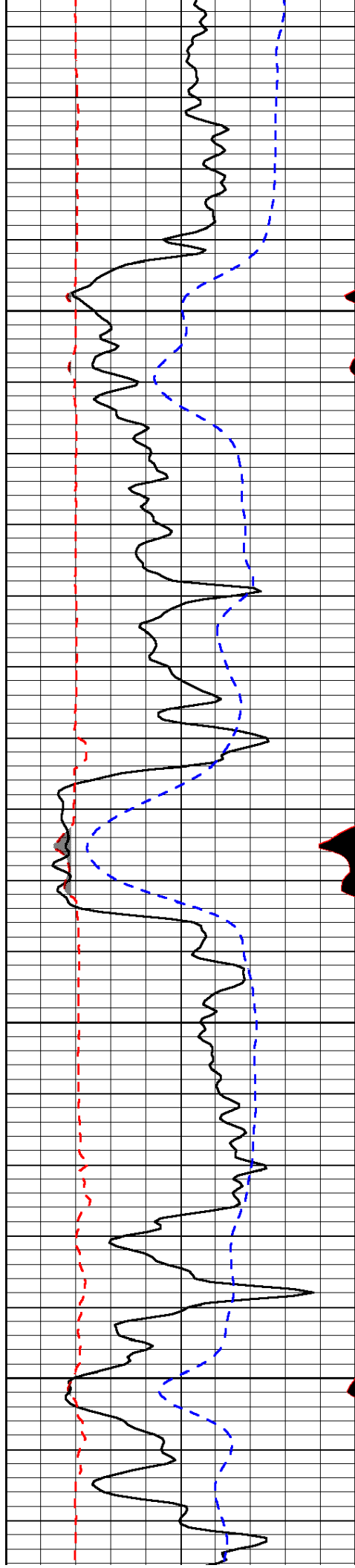
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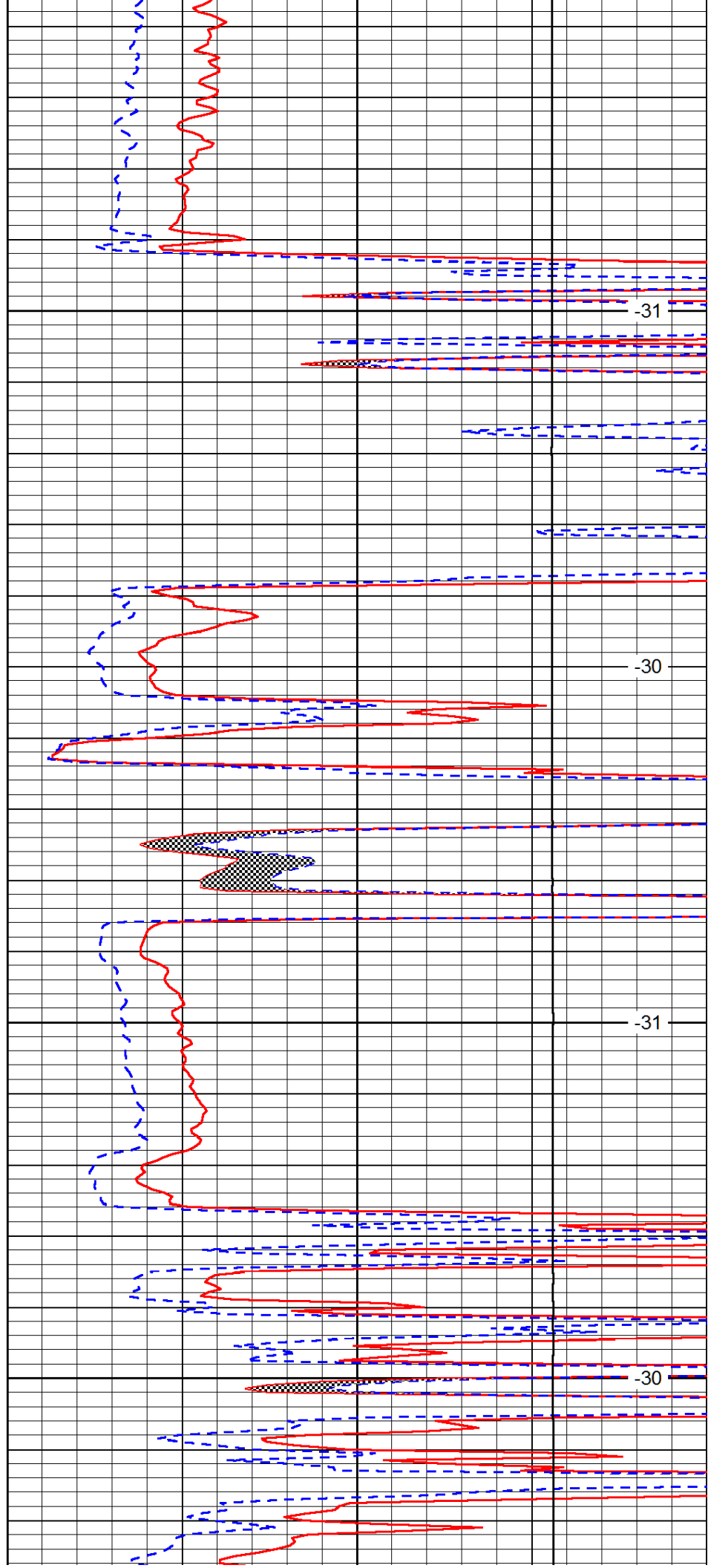


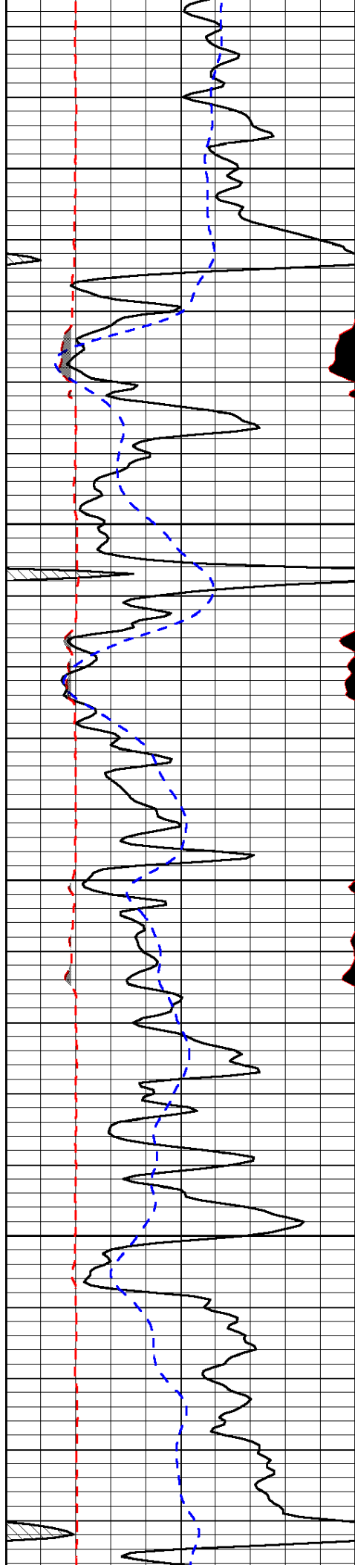
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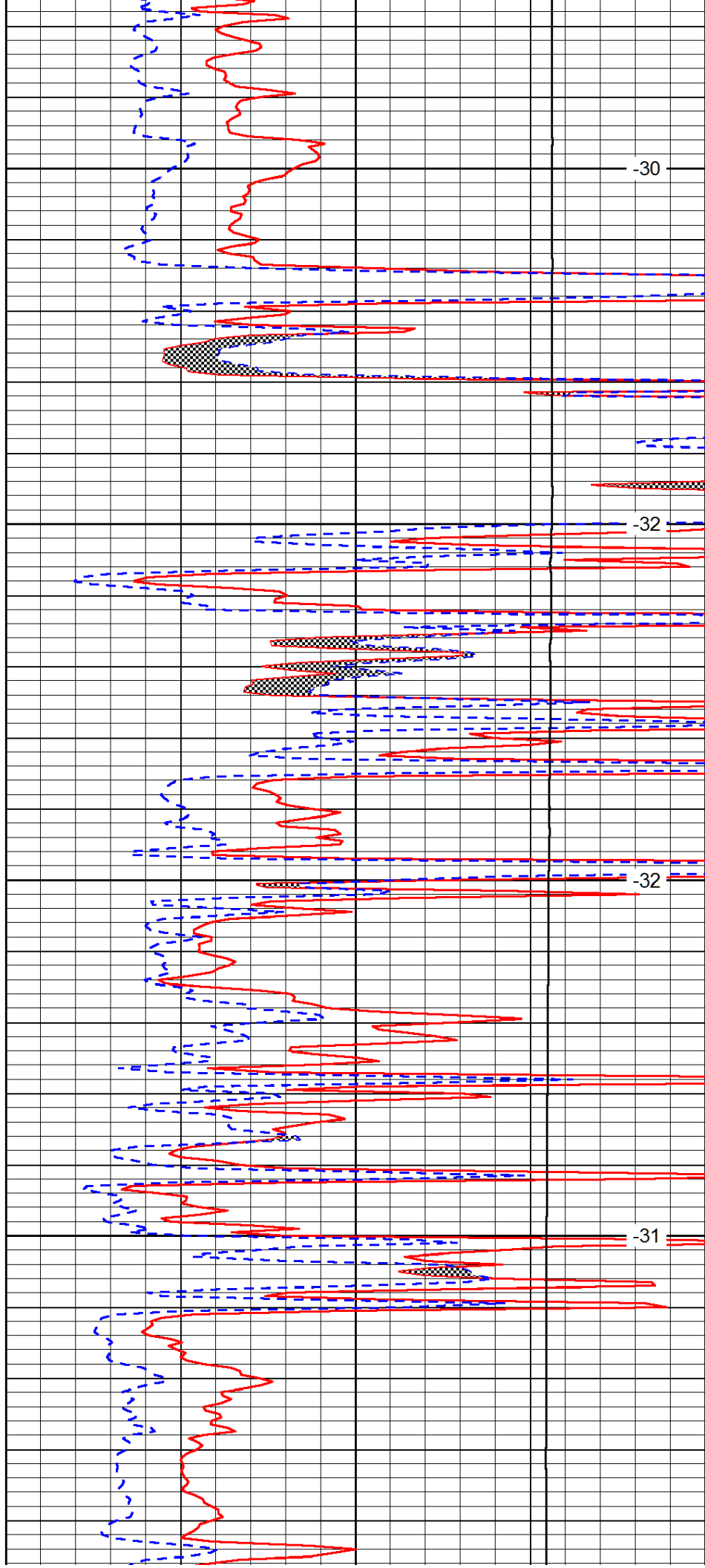


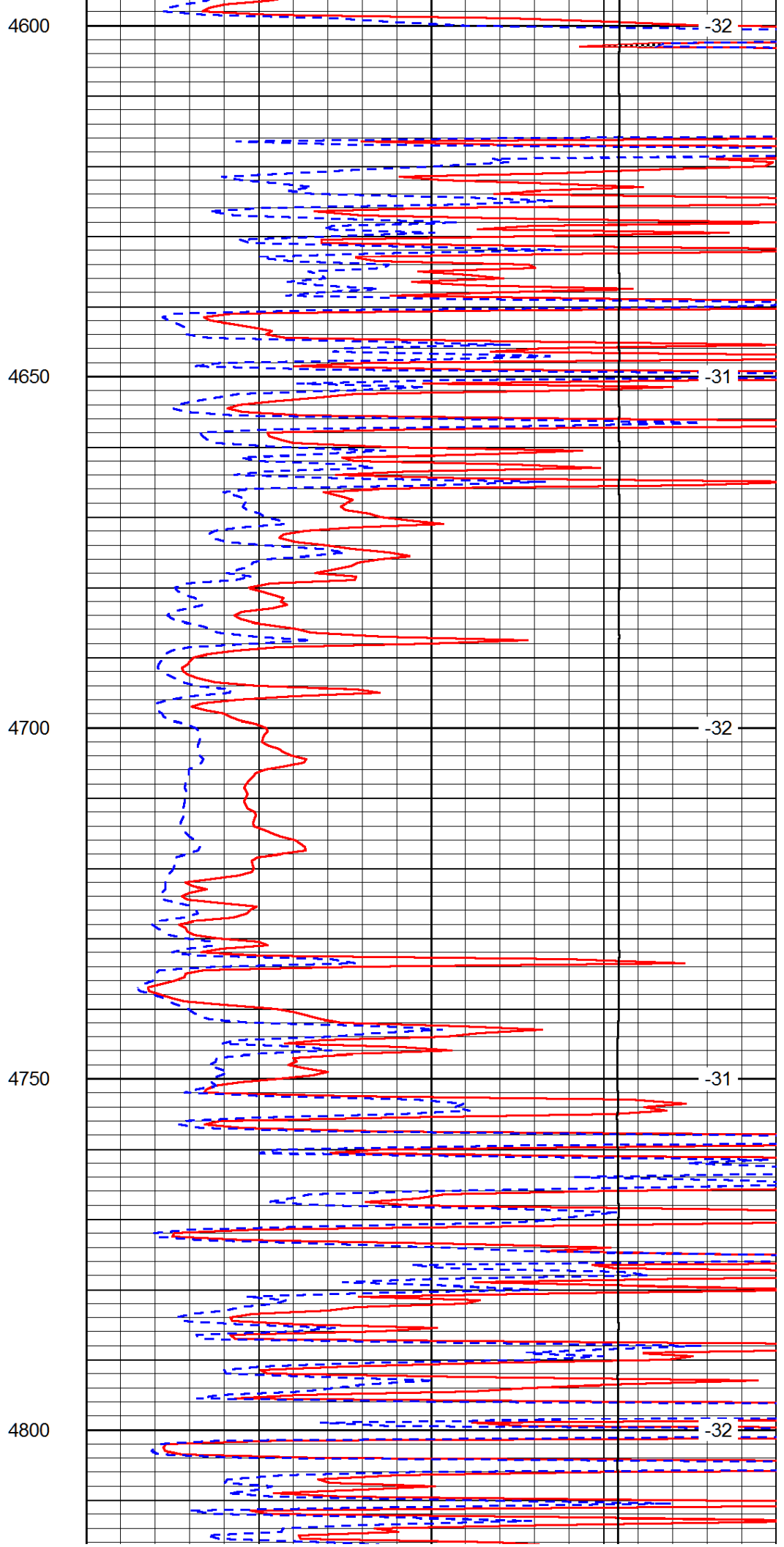
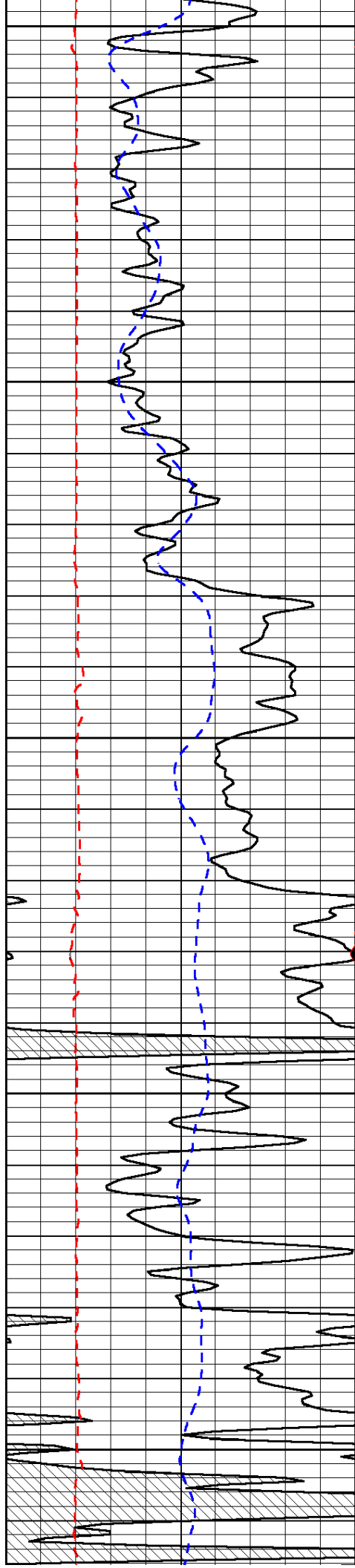
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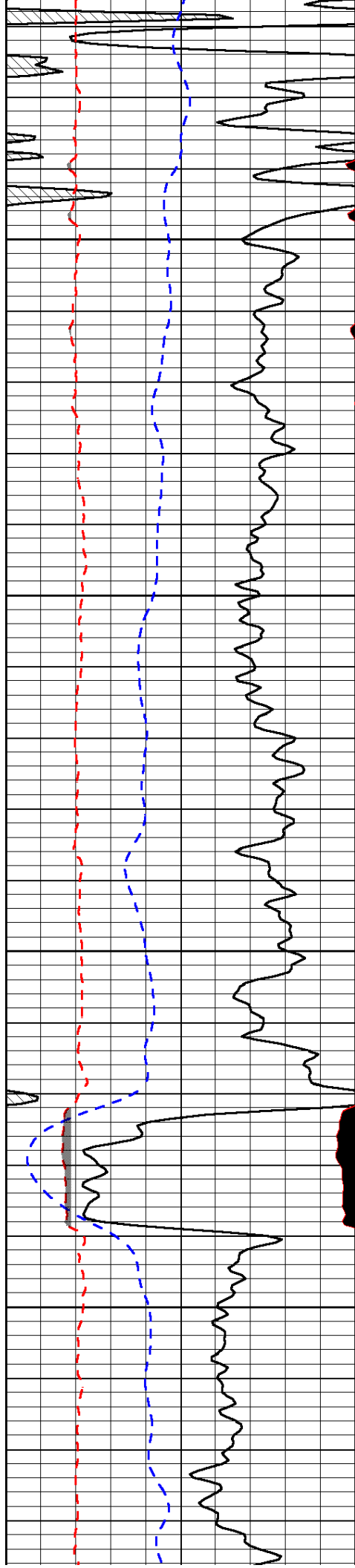
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4900

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