



Gamma Ray / Caliper Log

Pioneer Energy Services

API No.

15-109-21,292-00-00

Company New Gulf Operating, LLC

Well Marius No. 1-15

Field

County Logan

State Kansas

Location

SW-SW-NW-SE
1388' FSL & 2379' FWL

Other Services
DIL
MEL

Sec: 15 Twp: 14S Rge: 34W

Permanent Datum Ground Level Elevation 3029

Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Elevation
K.B. 3038
D.F.
G.L. 3029

Date 9/7/14

Run Number One

Type Log Bhv

Depth Driller 4765

Depth Logger 4764

Bottom Logged Interval 4743

Top Logged Interval 250

Type Fluid In Hole Chemical

Salinity, PPM CL 7,000

Density 9.1

Level Full

Max. Rec. Temp. F 124

Operating Rig Time 5 Hours

Equipment -- Location 108 Hays

Recorded By J. Henrickson

Witnessed By John Goldsmith

Witnessed By

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	0	252	8.625	23#	0	252
Two	7.875	252	TD				

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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

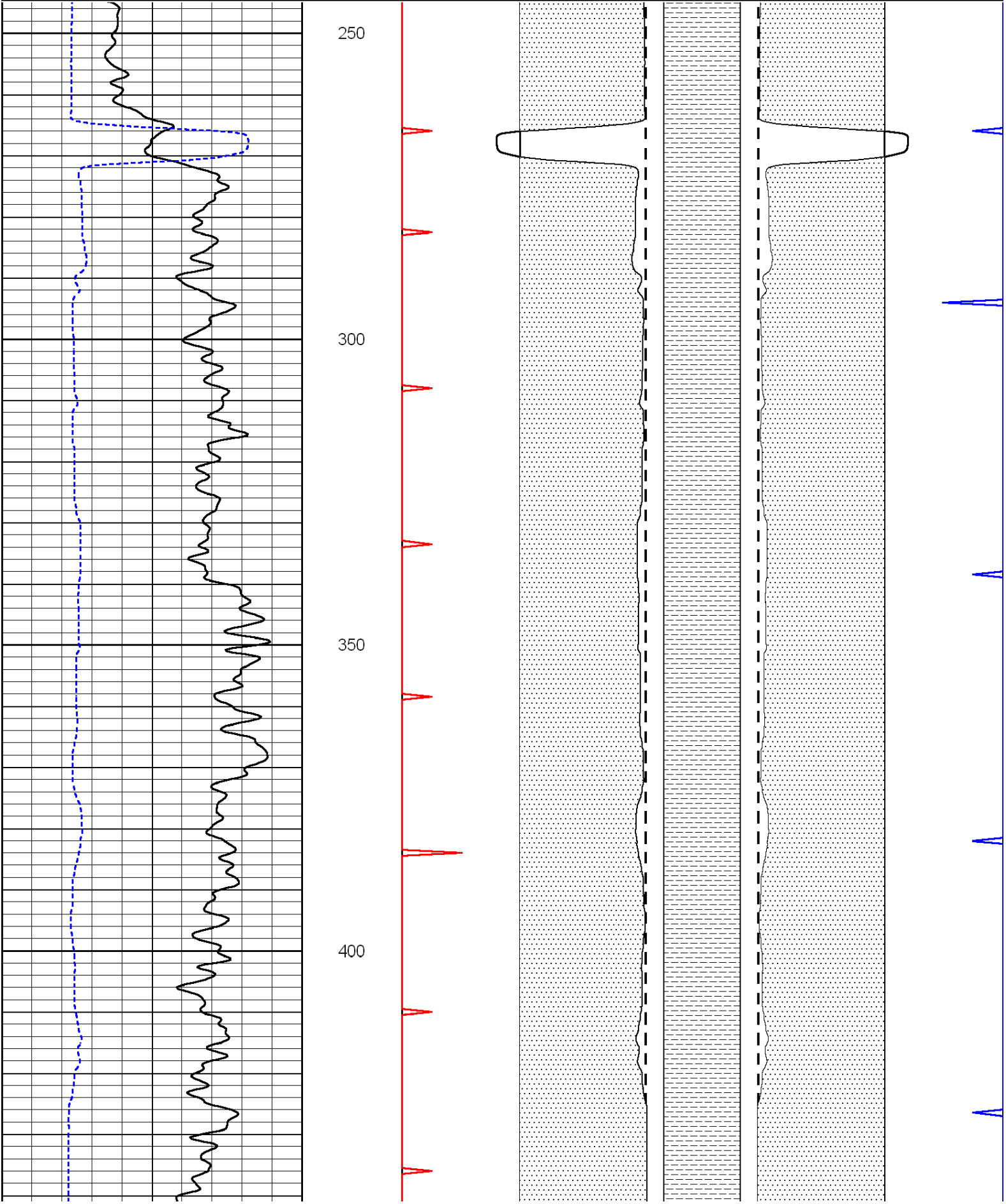
Thank you for using Pioneer Energy Services

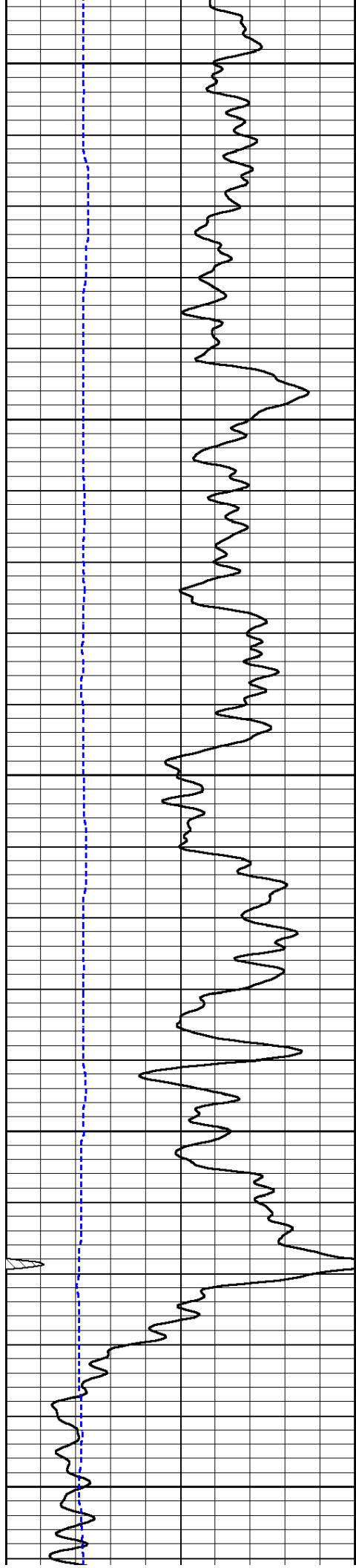
☐☐ 785.625.3858

Russell Springs Kansas

1/2 East to 270 Rd, 7 South to Indian Rd, East to 320 Rd, 1 North, West Into

Charted by: Depth in Feet scaled 1:2.15								
0	Gamma Ray (GAPI)	150	0	Borehole Volume (ft3)	10	10	Annular Volume (ft3)	0
150	GR (GAPI)	300						
6	DCAL (in)	16						





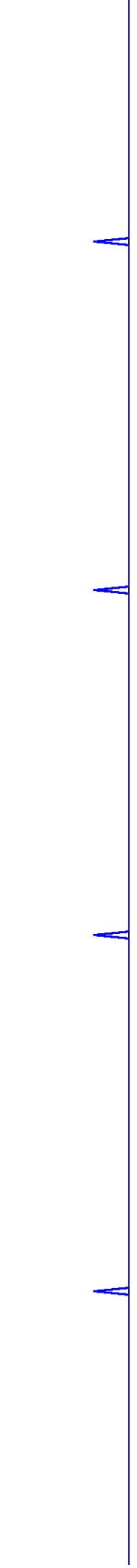
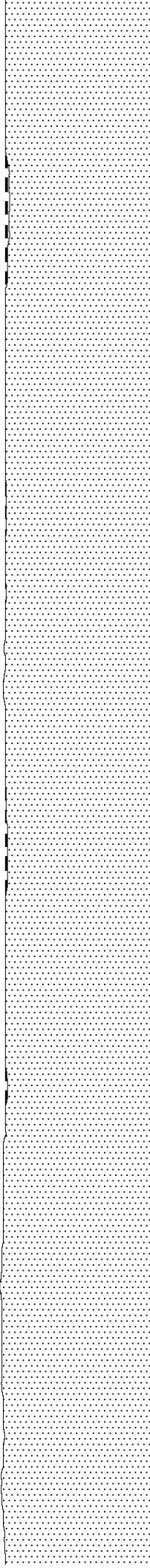
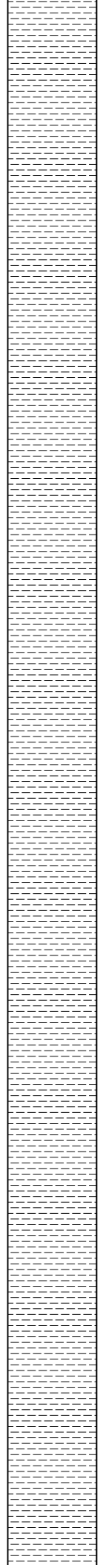
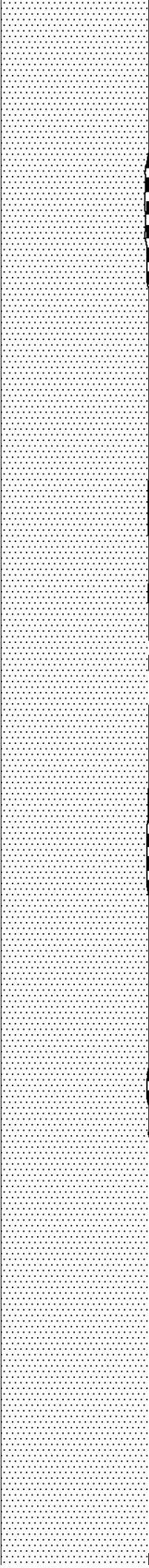
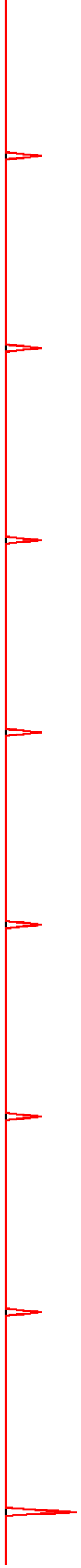
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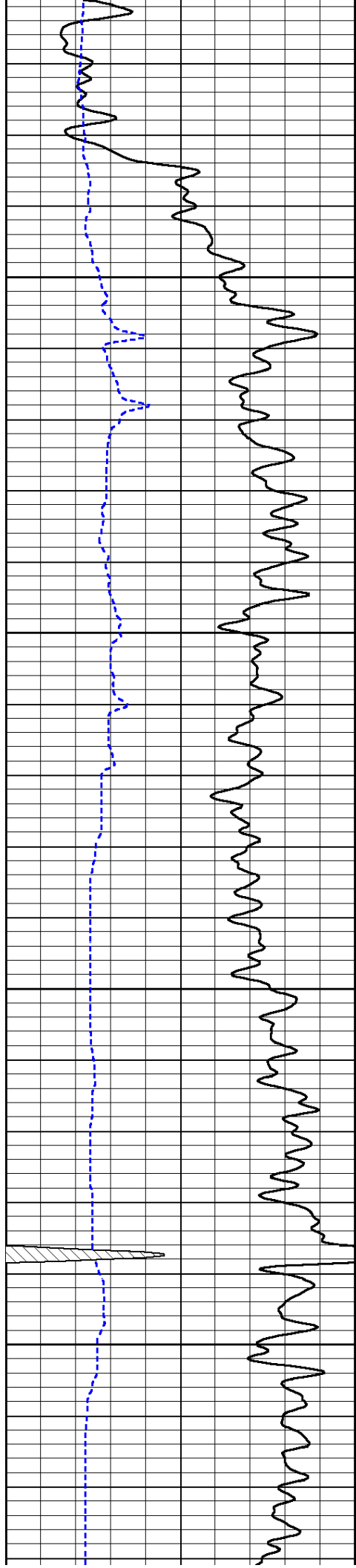
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550

600

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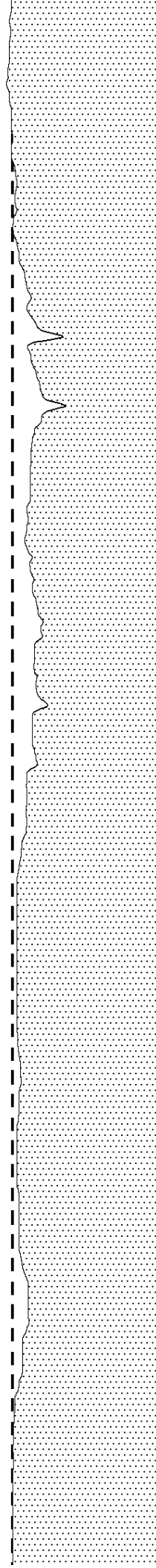
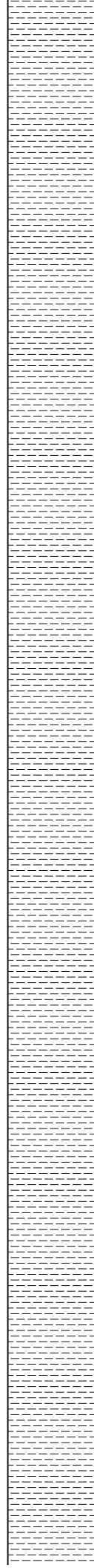
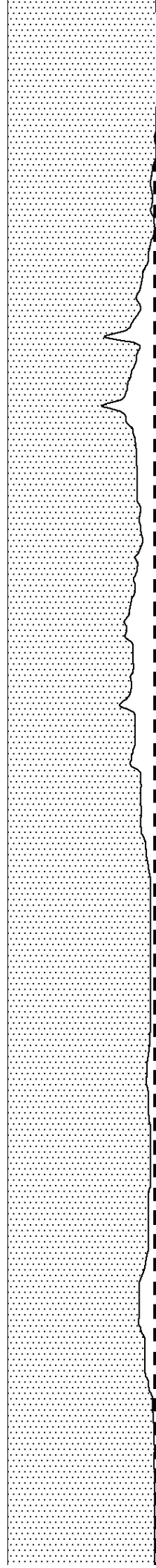


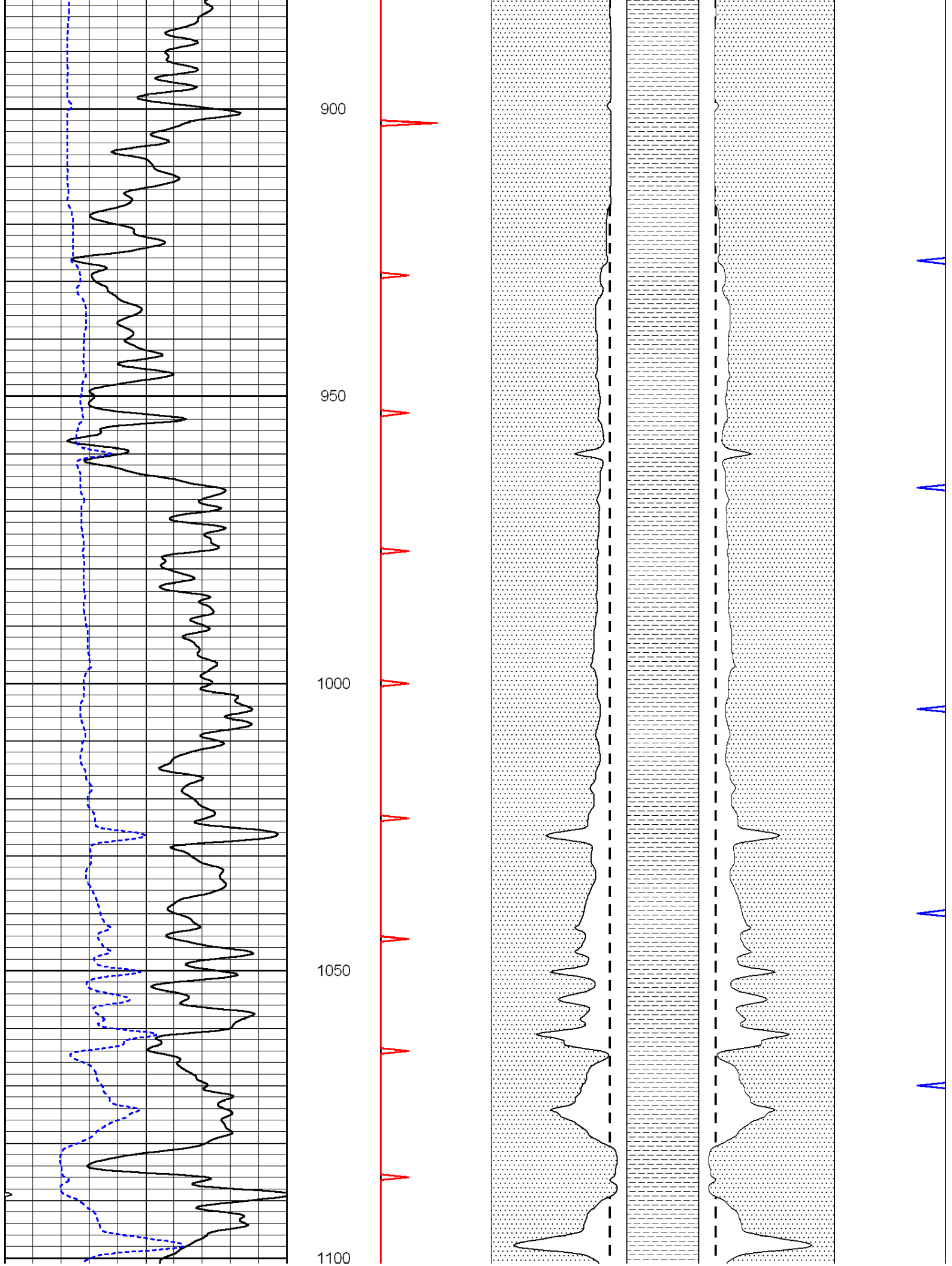
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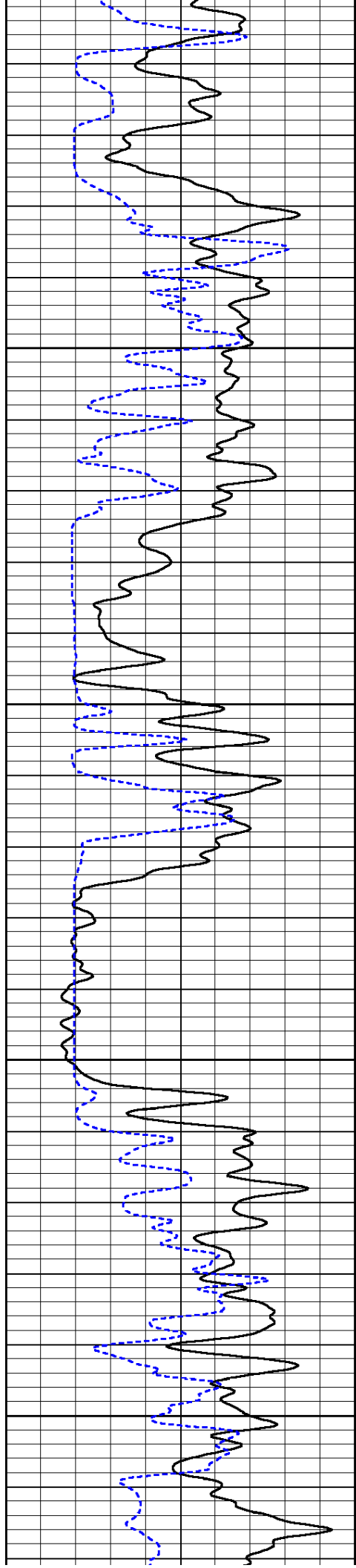
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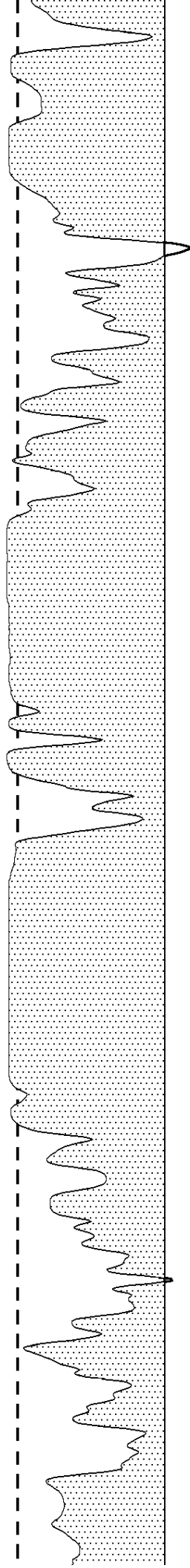
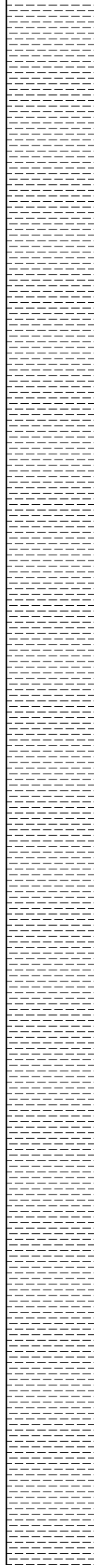
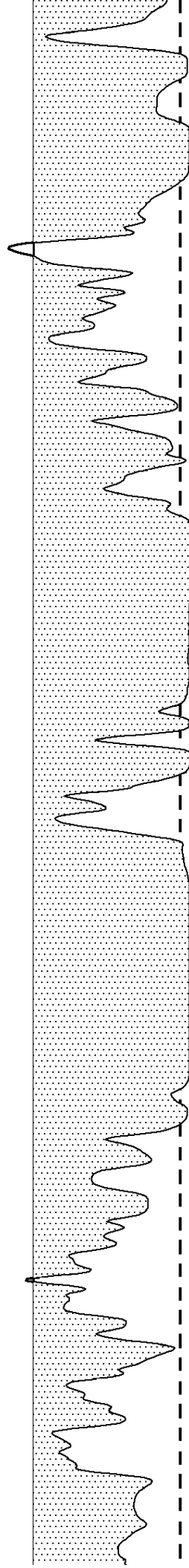
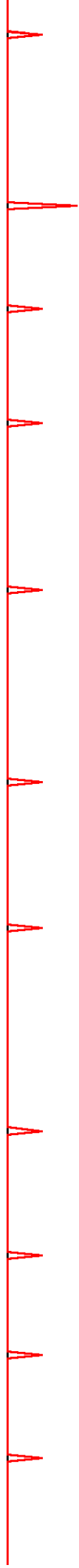


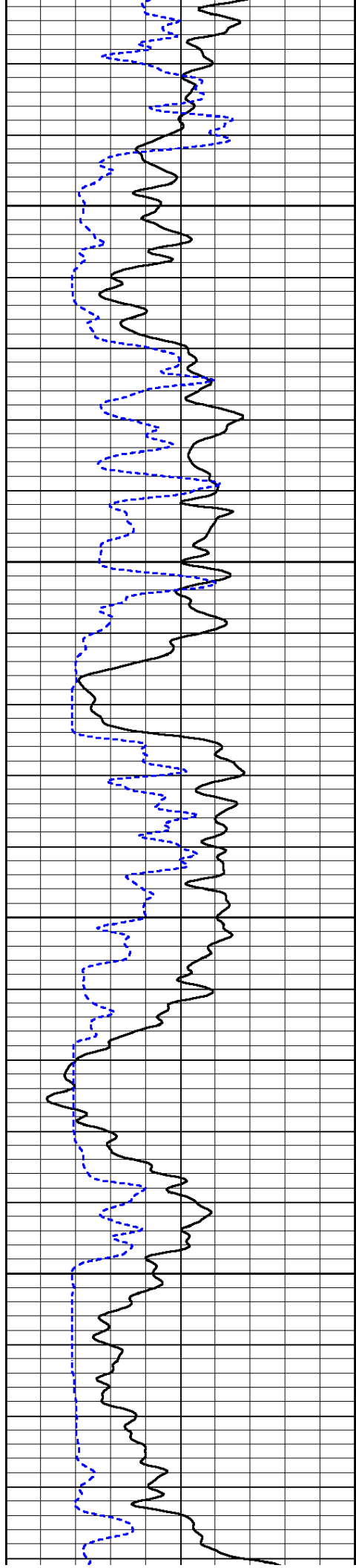
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1250

1300



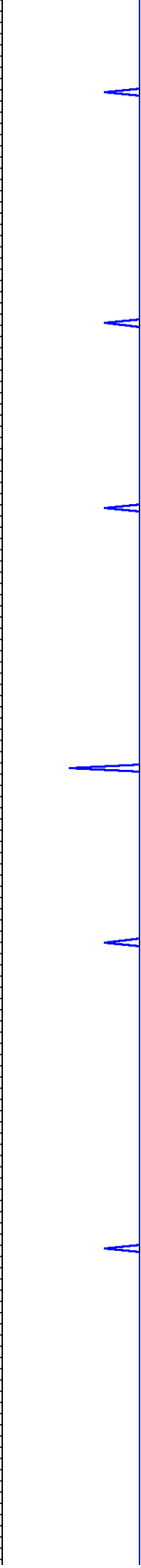
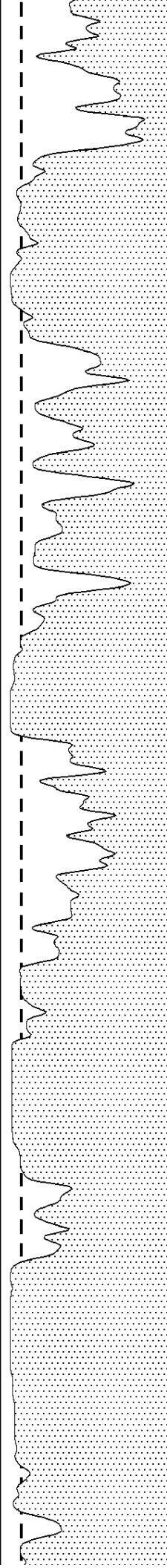
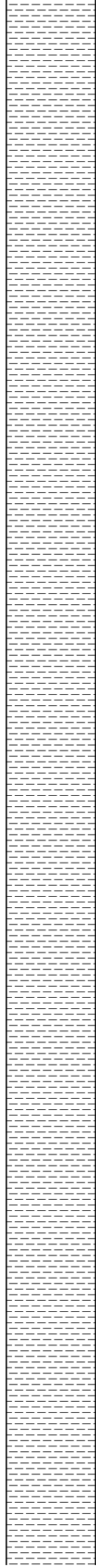
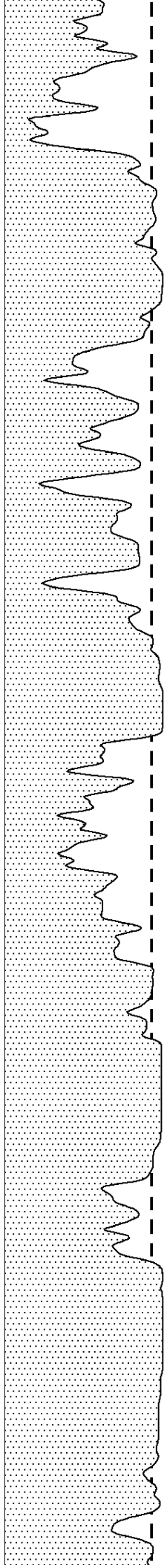
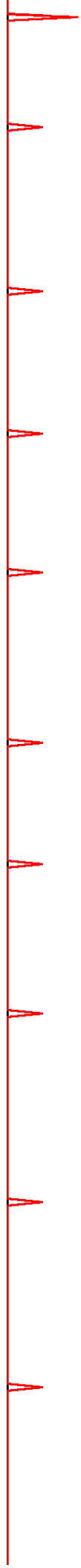


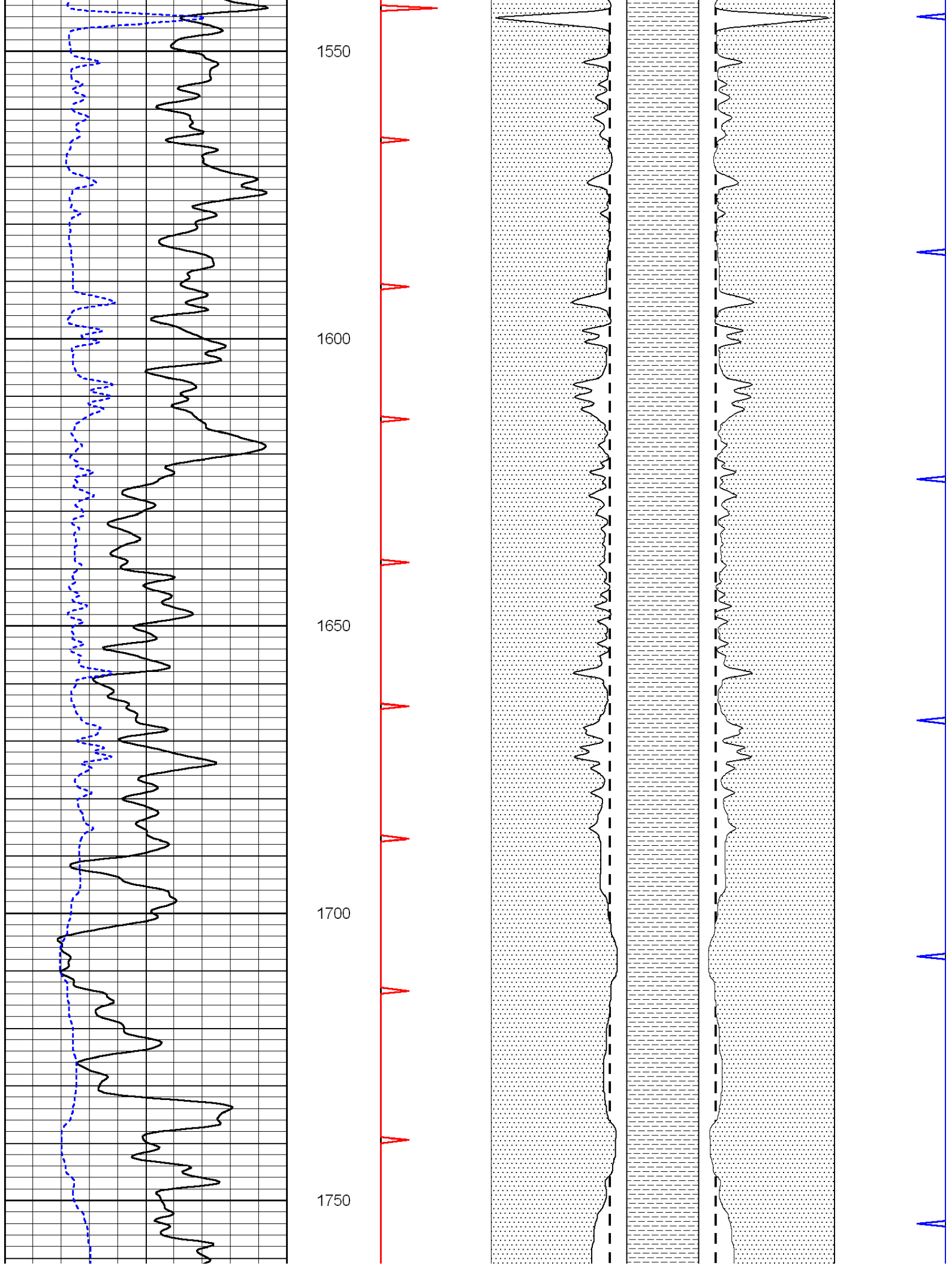
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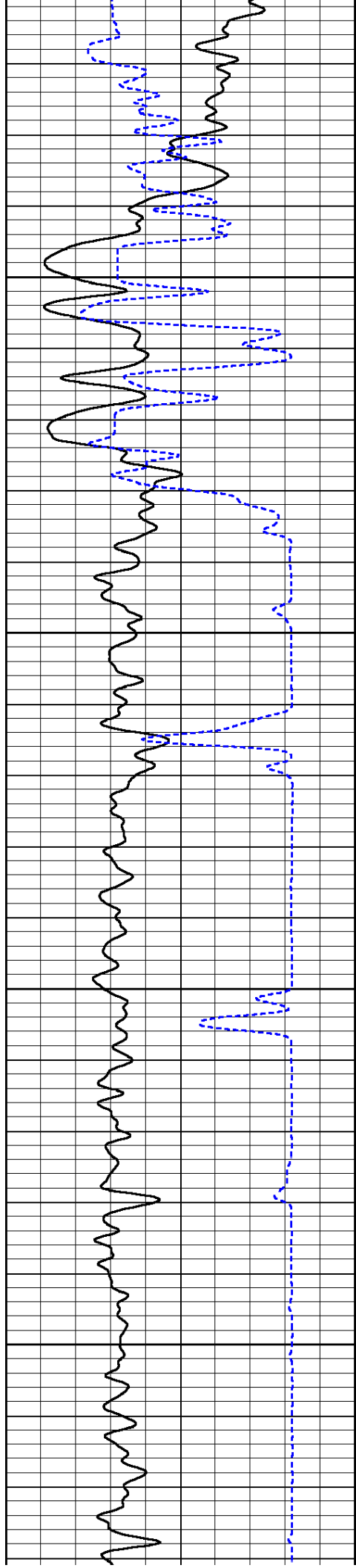
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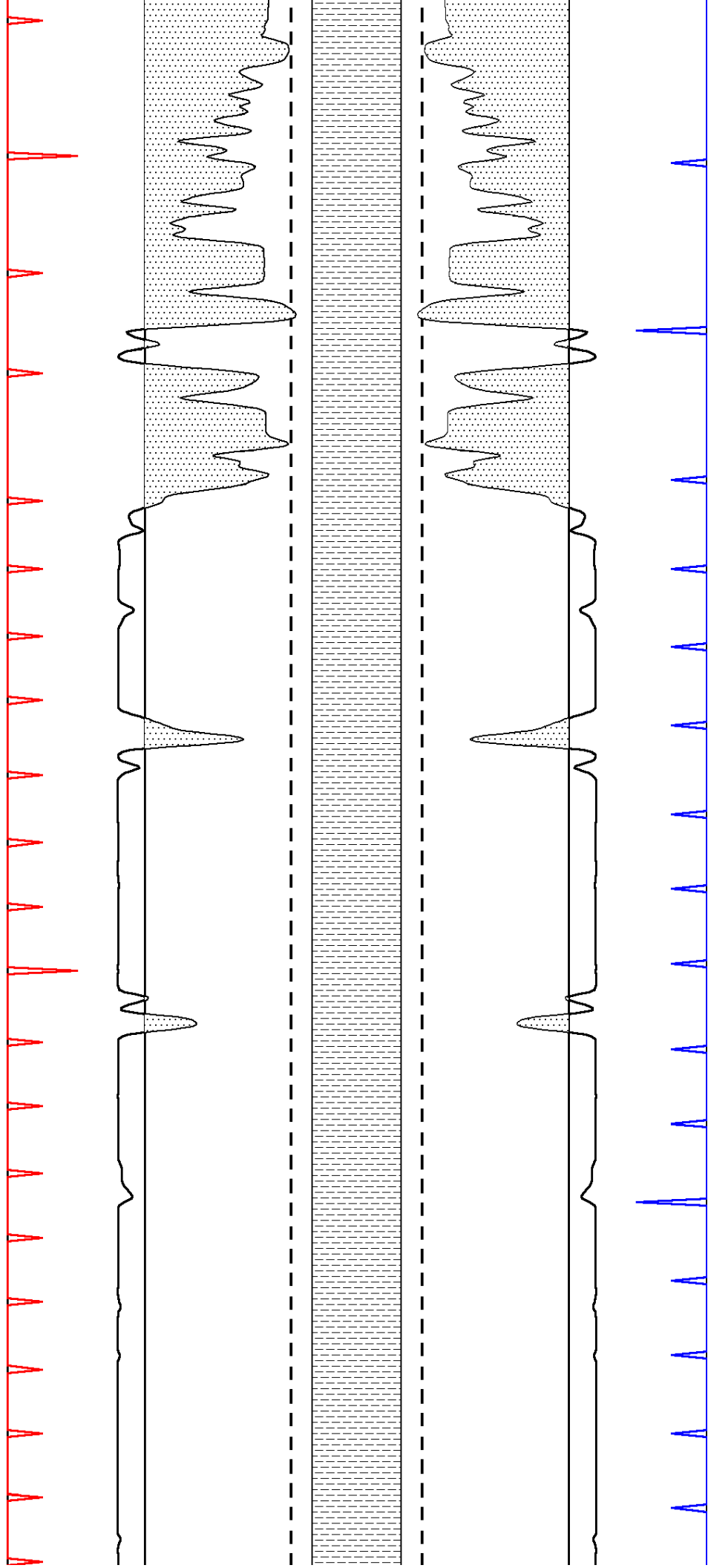


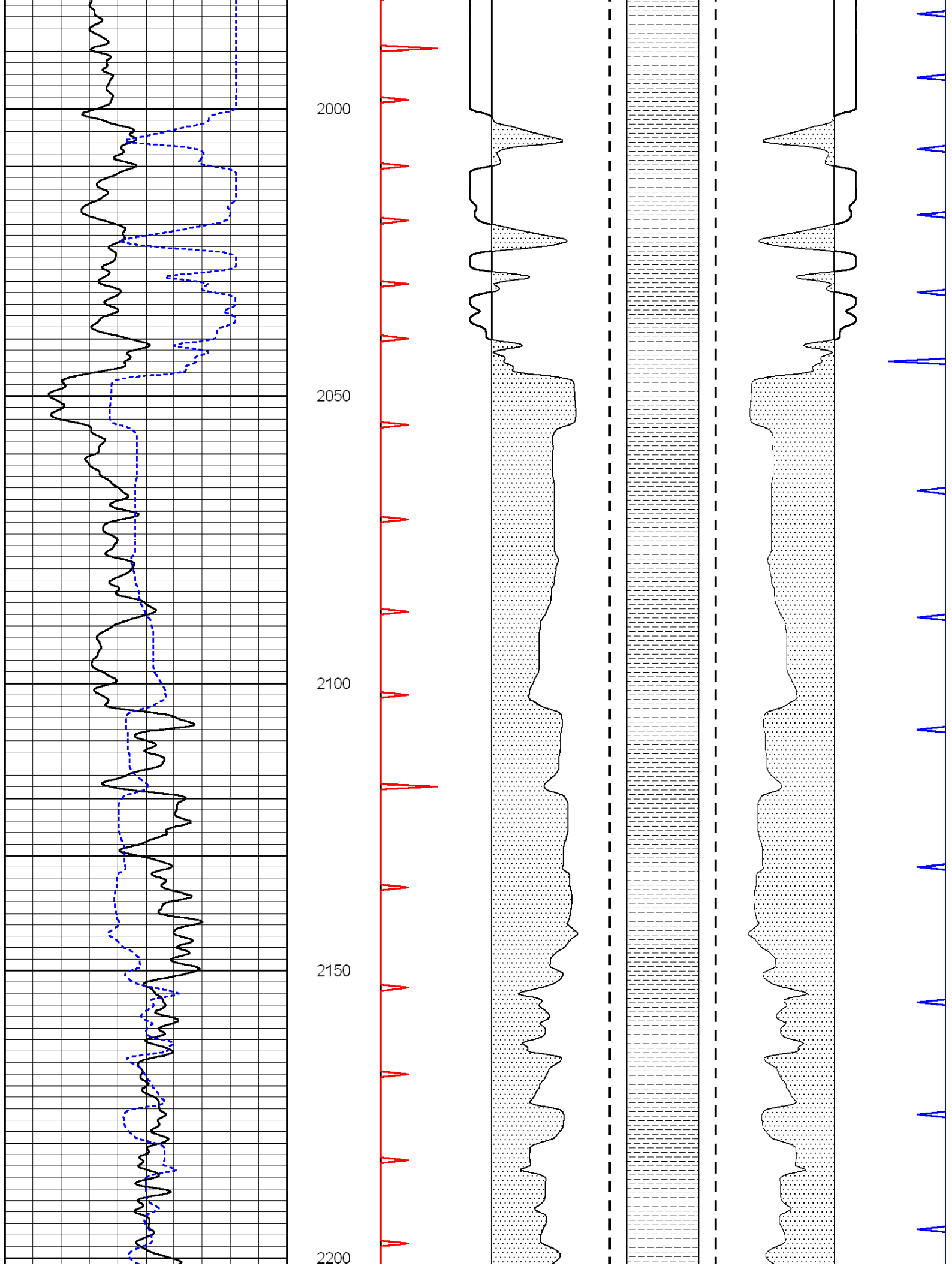
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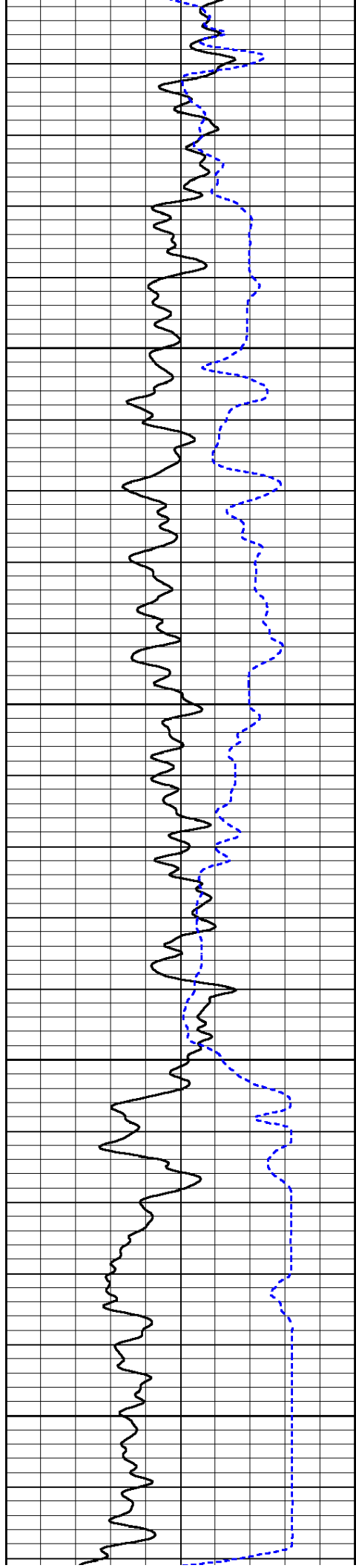
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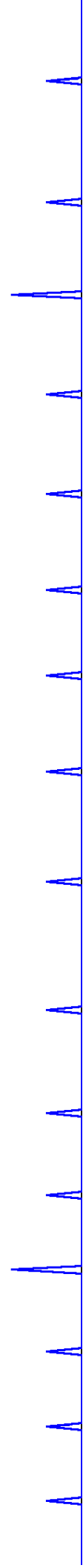
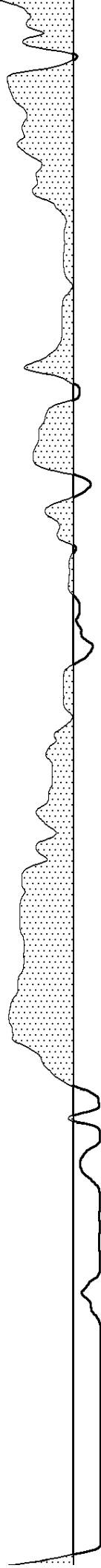
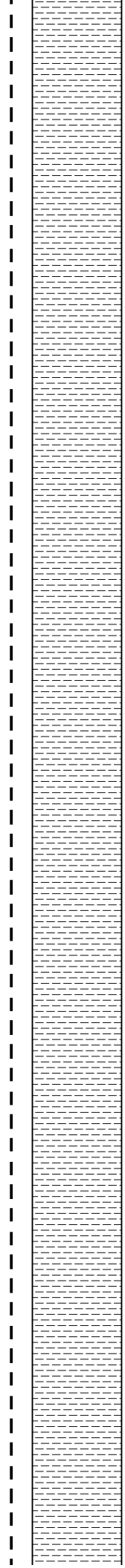
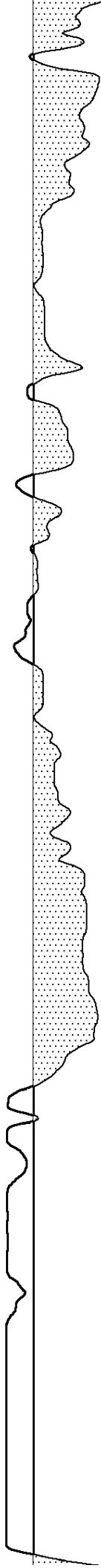
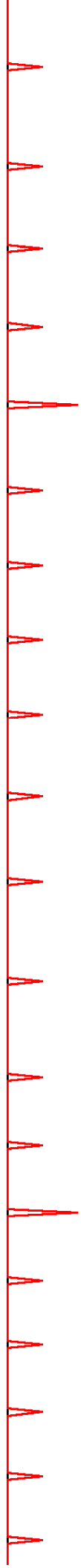


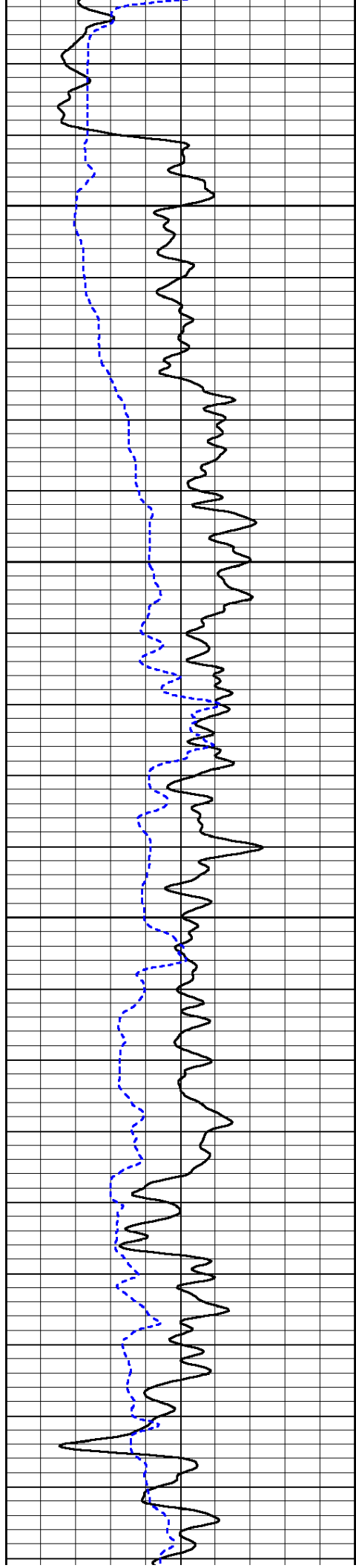
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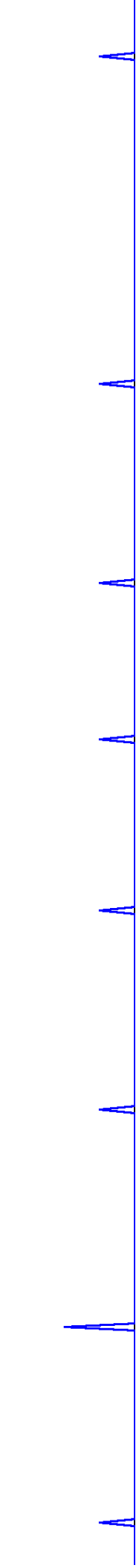
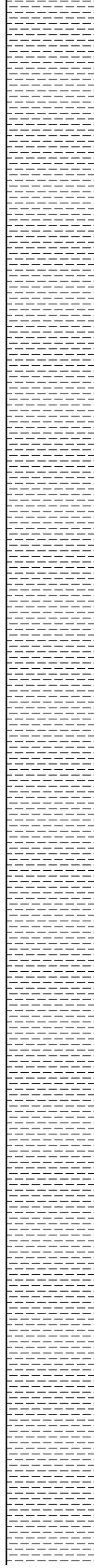
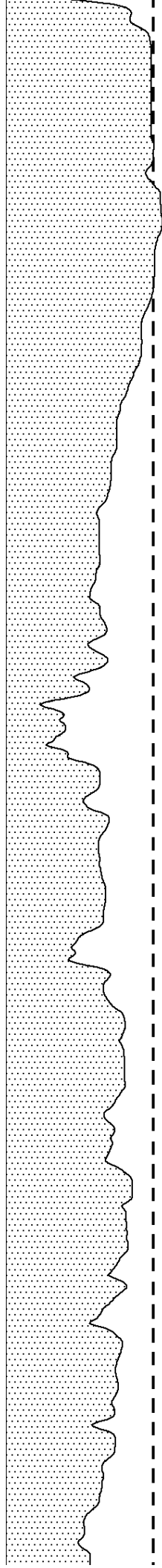


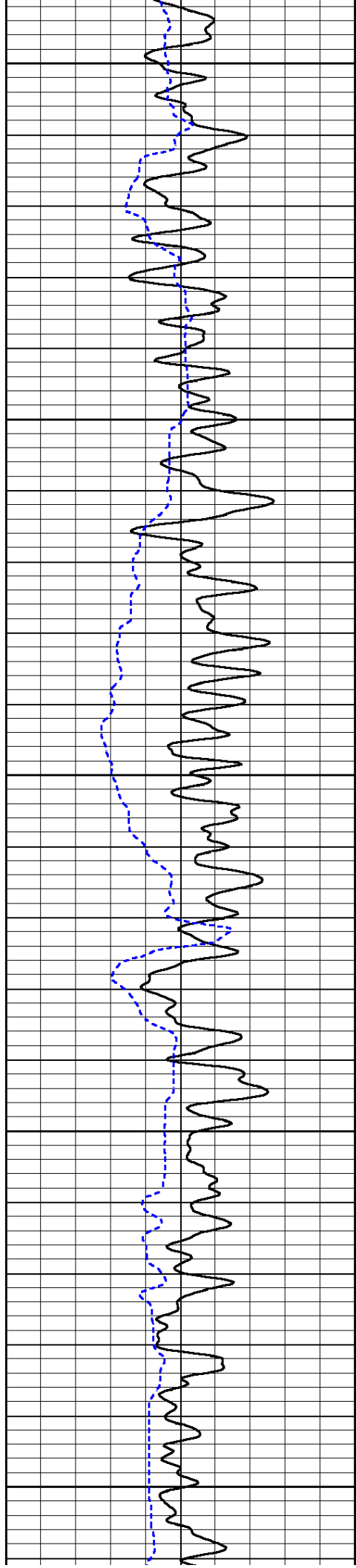
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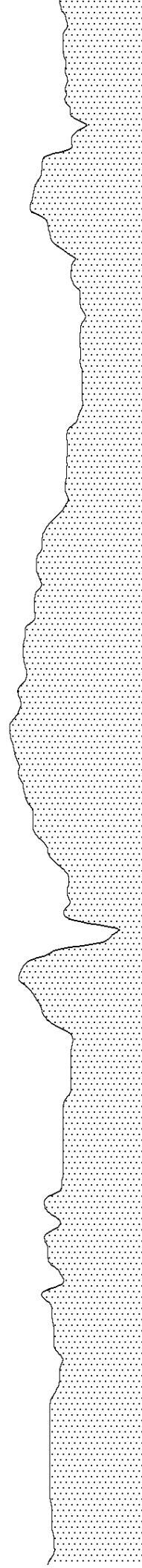
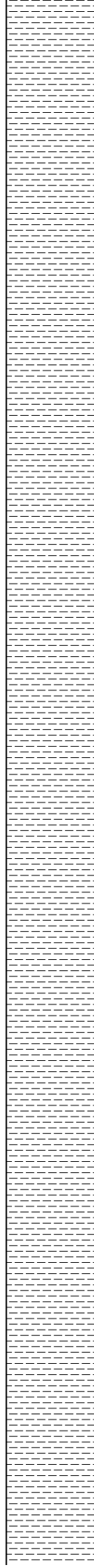
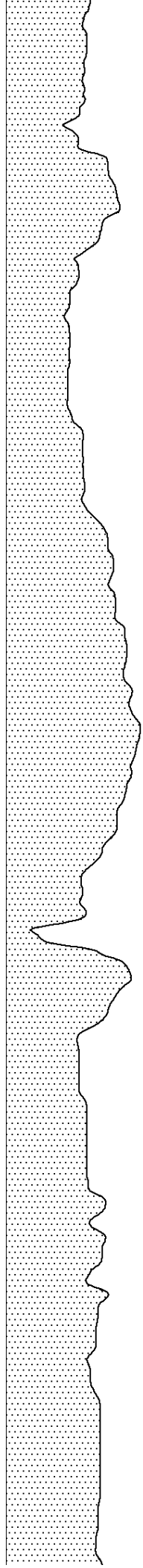
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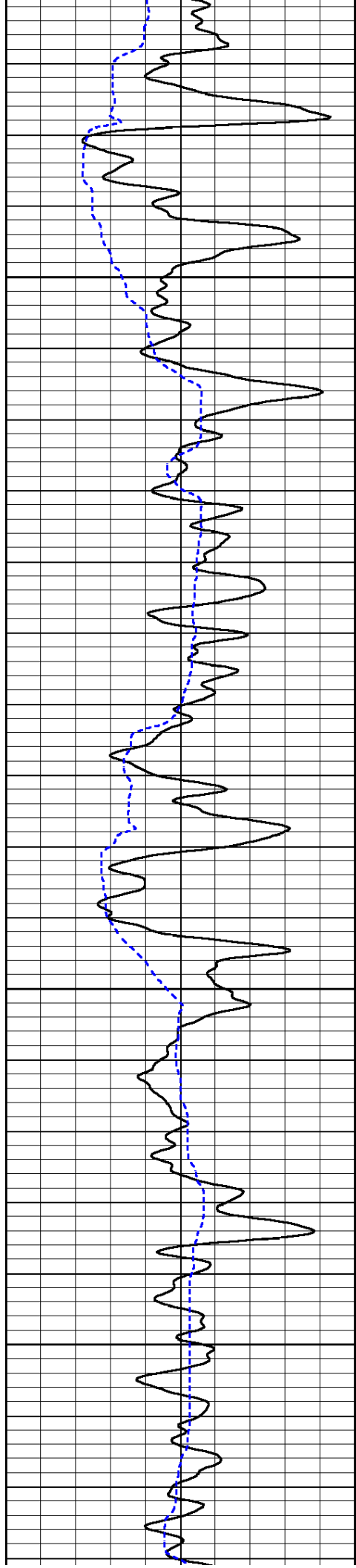
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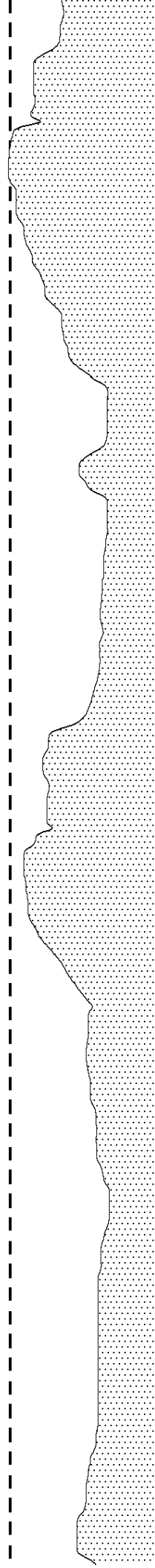
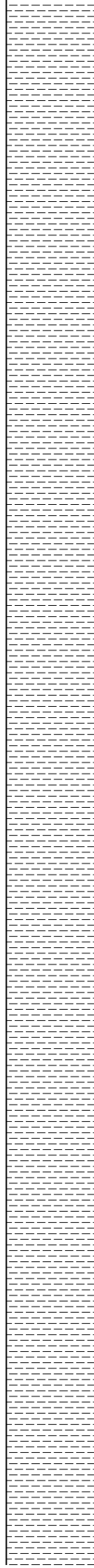
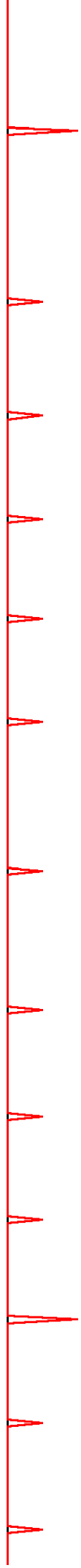


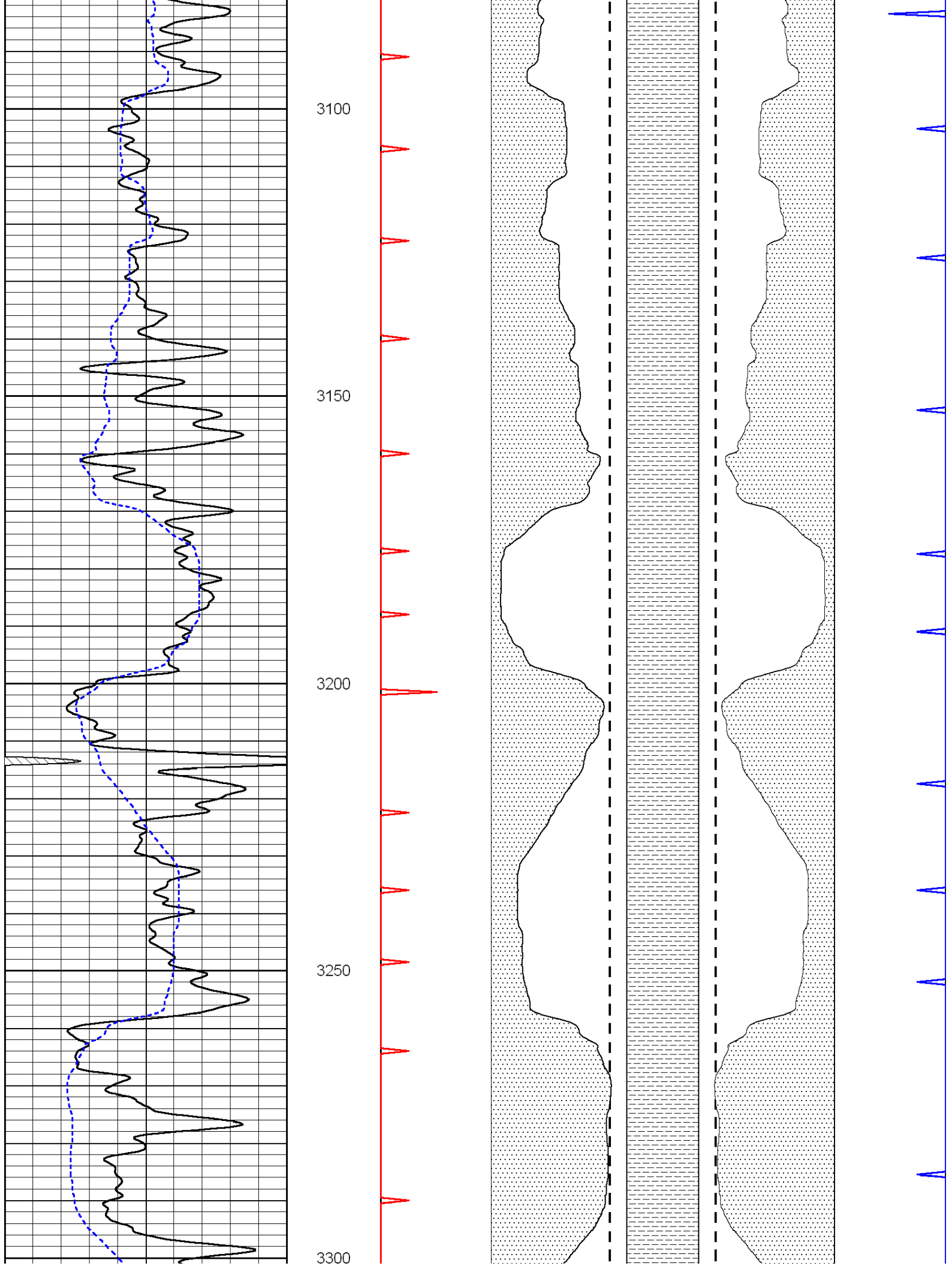
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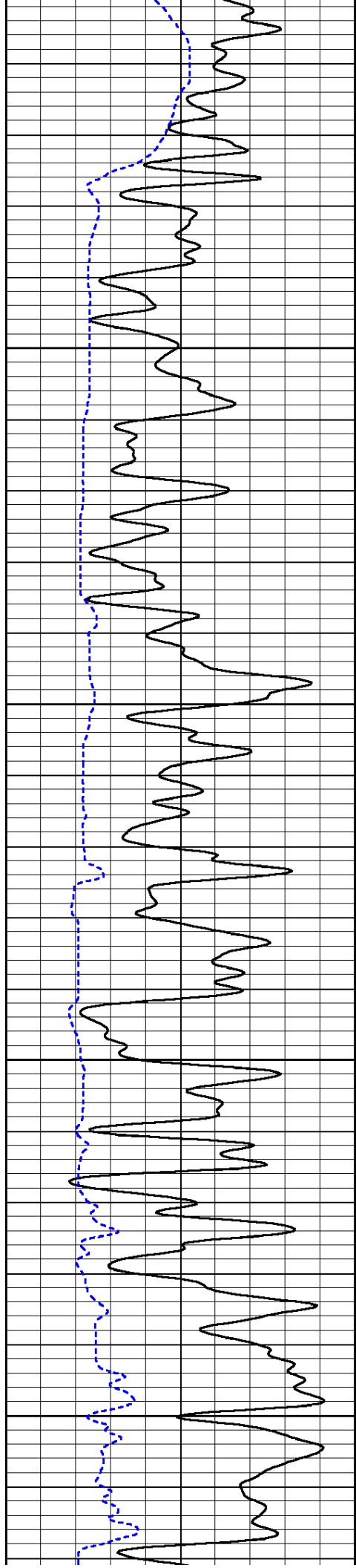
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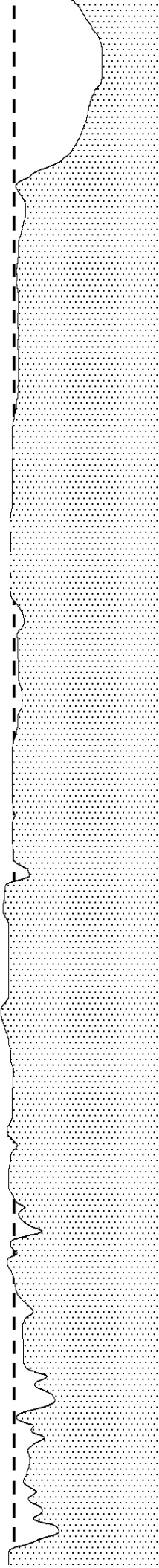
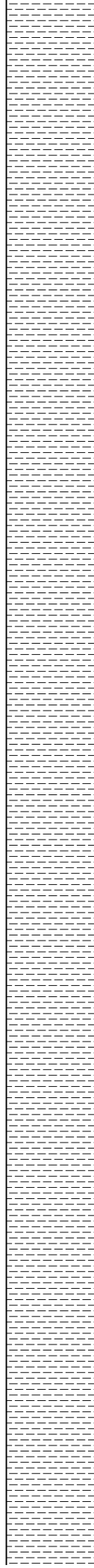
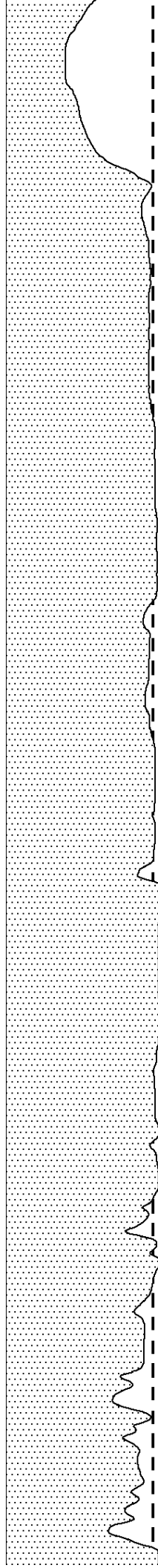


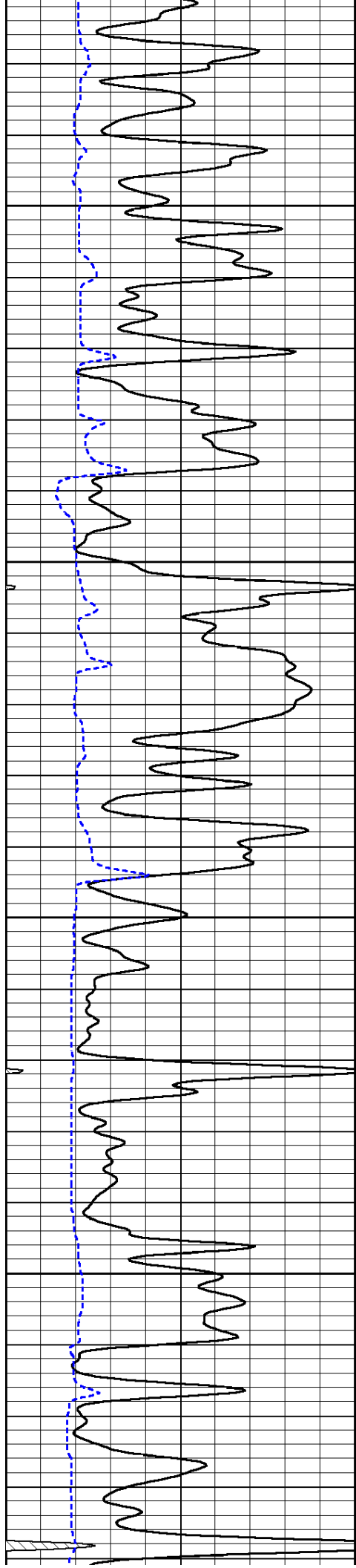
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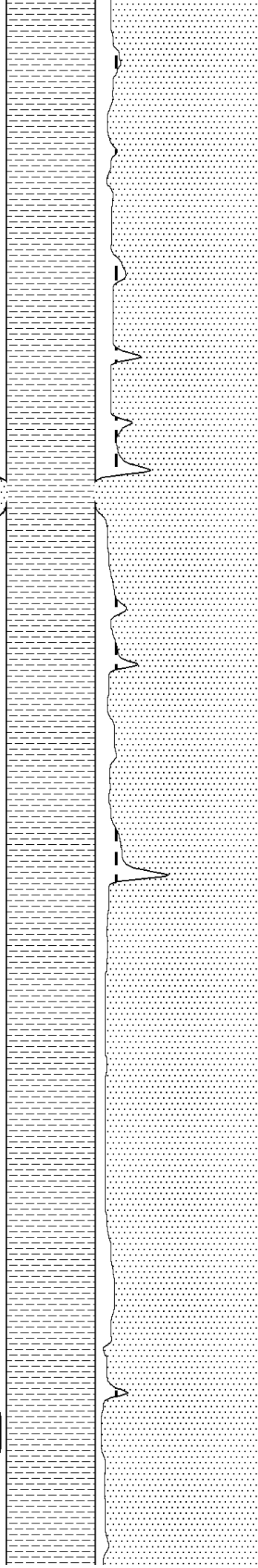
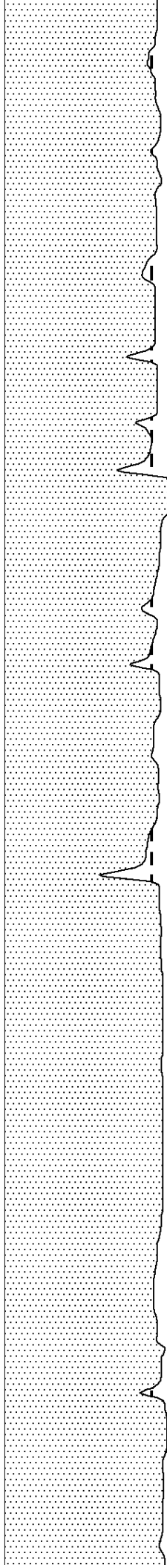


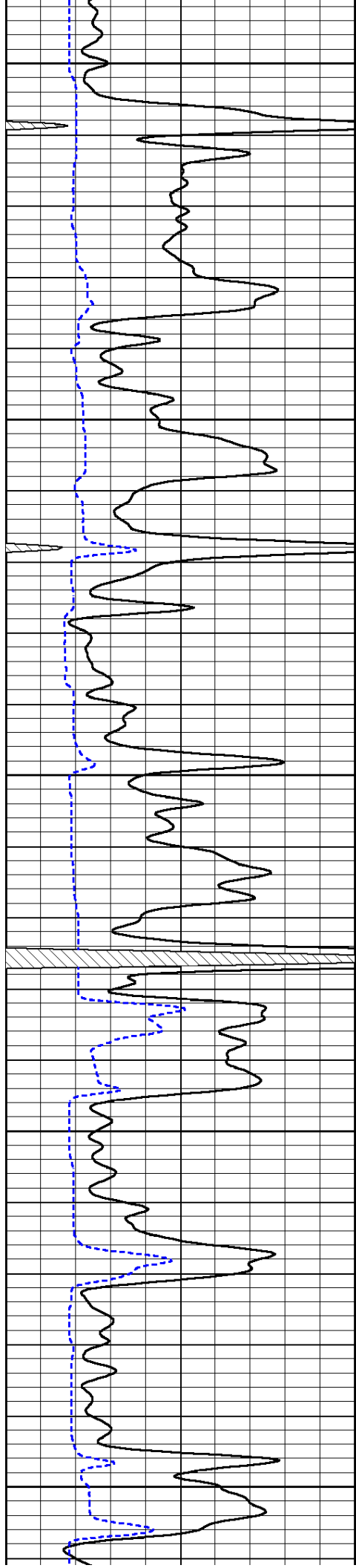
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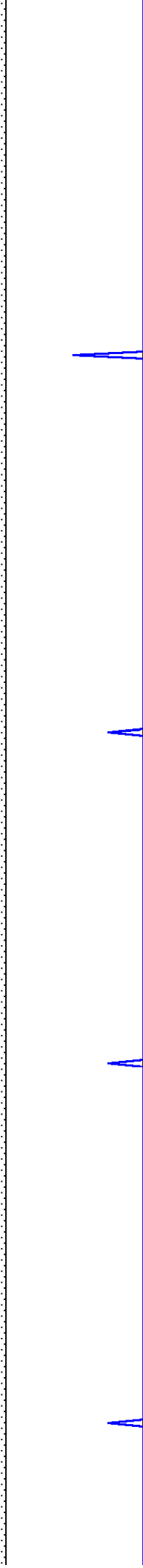
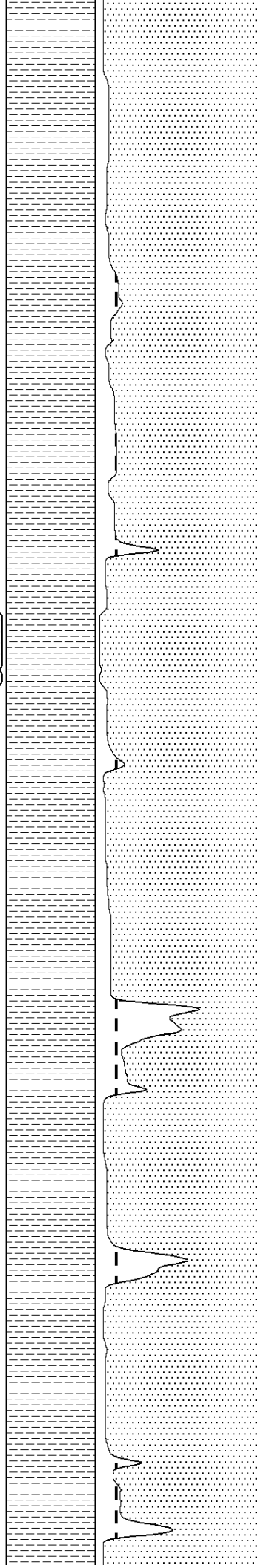
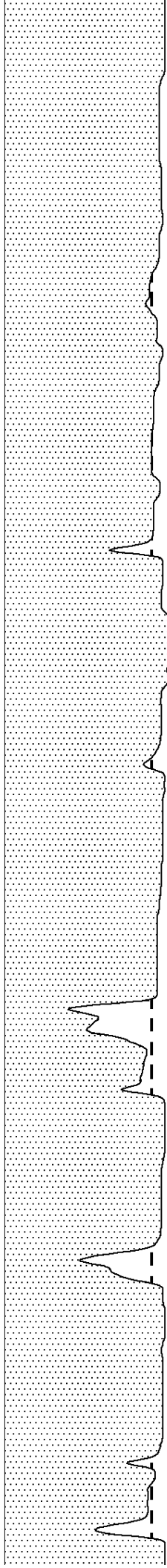
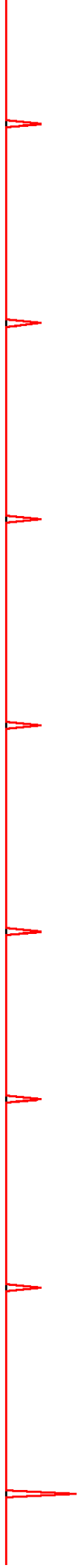
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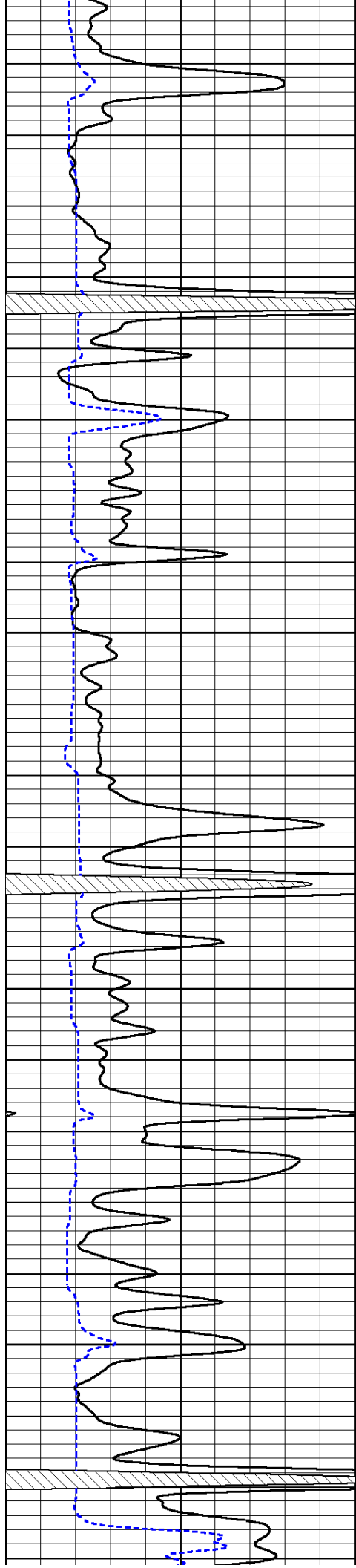
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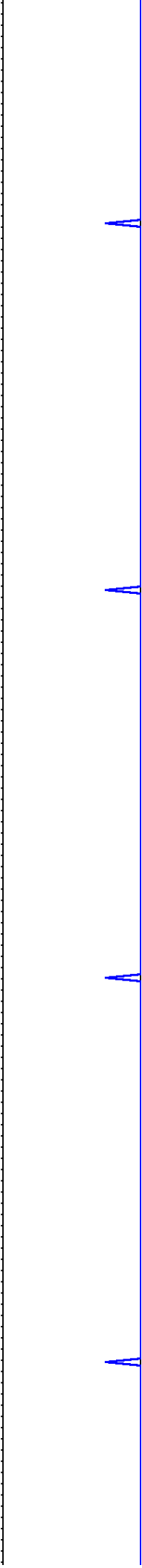
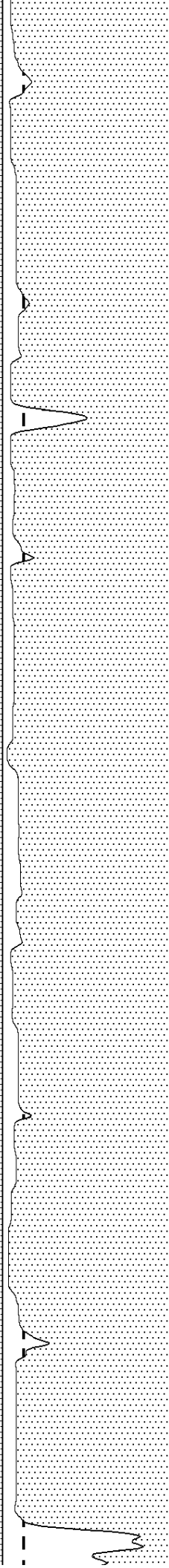
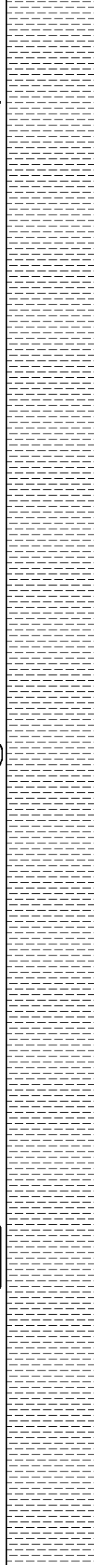
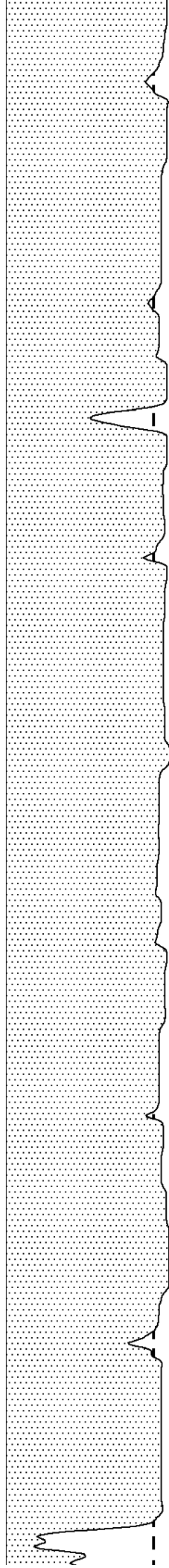


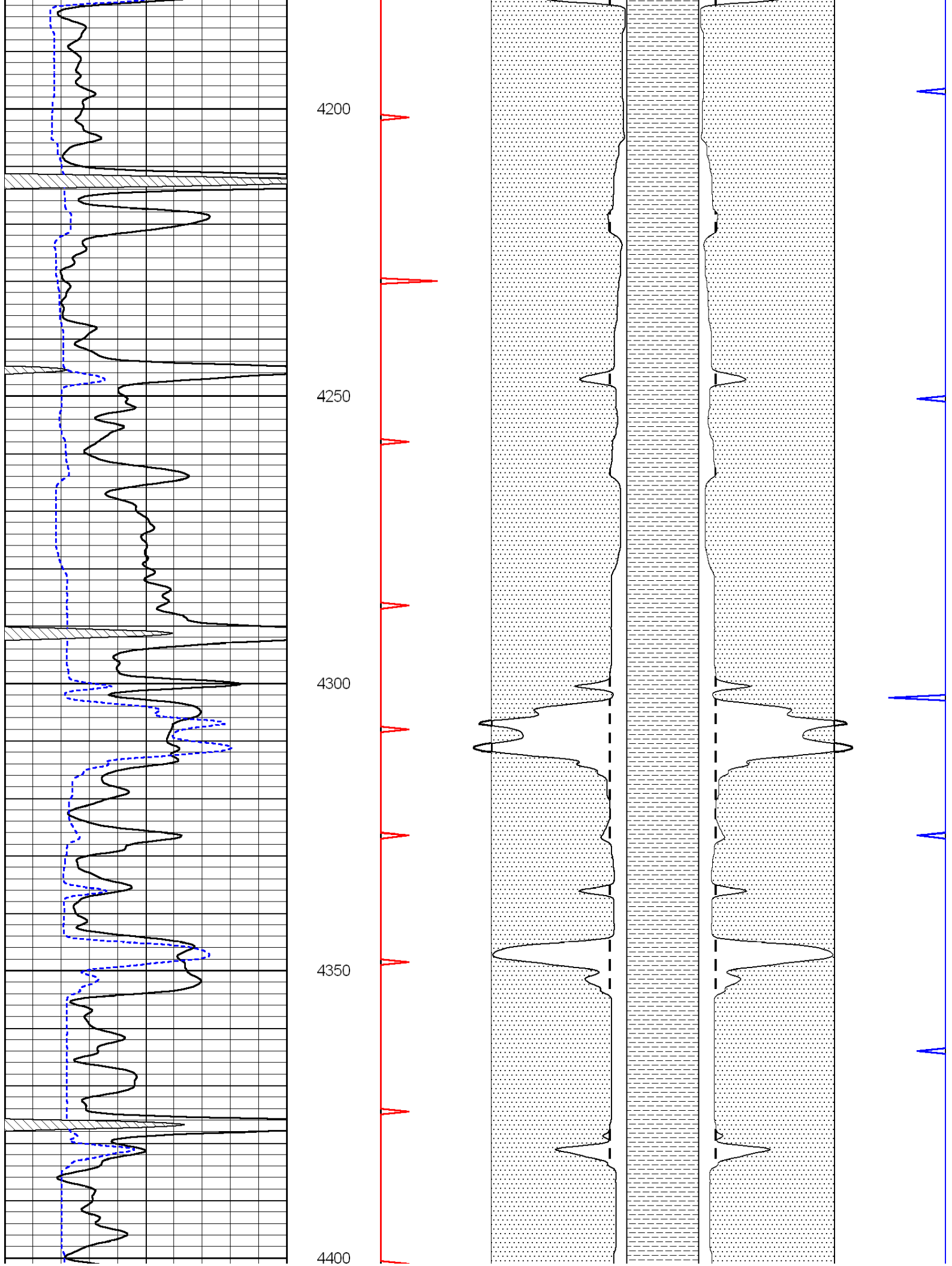
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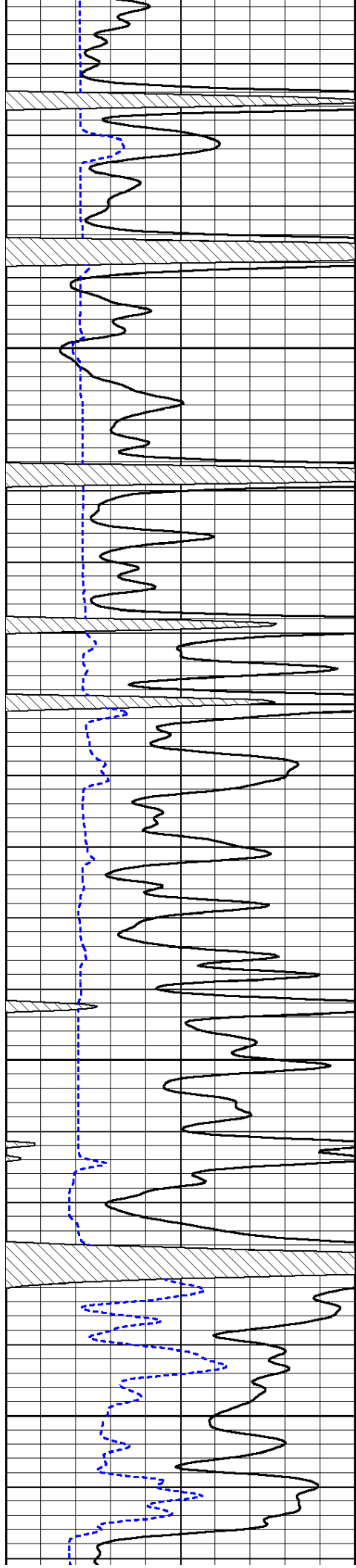
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