



Gamma Ray / Caliper Log

Pioneer Energy Services

API No.

15-171-21,074-00-00

Company New Gulf Operating, LLC.

Well Muench No. 1-16

Field

County Scott

State Kansas

Location

1,240' FSL & 1,430' FEL

Other Services
CNL/CDL
DIL/MEI

Sec: 16 Twp: 17s Rge: 33W

Permanent Datum Ground Level Elevation 3037

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

Drilling Measured From Kelly Bushing

Elevation
K.B. 3046
D.F.
G.L. 3037

Date 7/23/2014

Run Number One

Type Log Bhv

Depth Driller 4815

Depth Logger 4810

Bottom Logged Interval 4789

Top Logged Interval 250

Type Fluid In Hole Chemical

Salinity, PPM CL 7000

Density 9.2

Level Full

Max. Rec. Temp. F 124

Operating Rig Time 4 Hours

Equipment -- Location 108 Hays

Recorded By J Long

Witnessed By John Goldsmith

Witnessed By

Borehole Record

Casing Record

Run No. Bit From To Size Wgt. From To

One 12.25 0 266 8.625 23# 0 266

Two 7.875 266 TD

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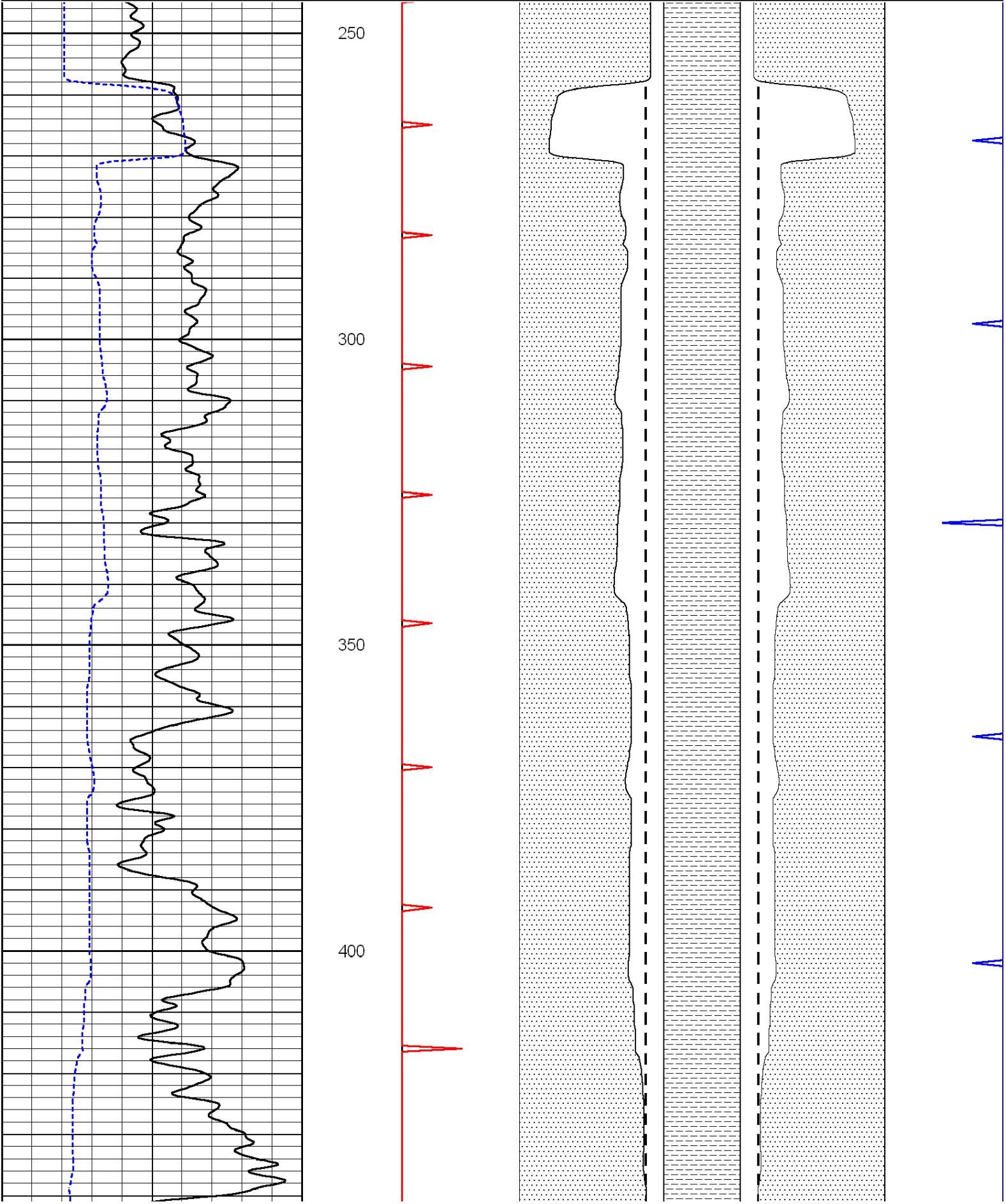
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

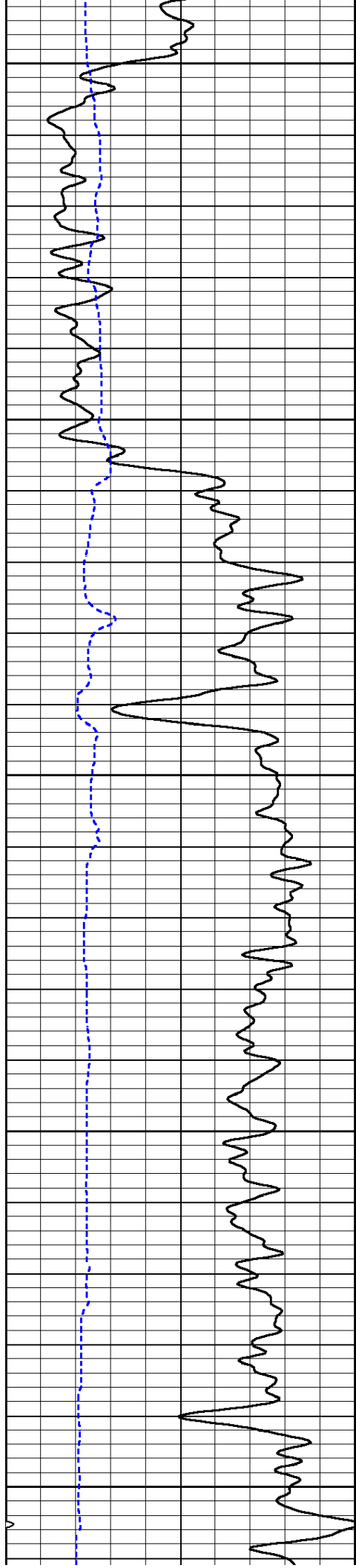
Comments

Thank you for using Pioneer Energy Services
☐☐ 785.625.3858

Scott City Ks., North to 190 Rd., 4 West to Stop Sign, 1 1/2 North, East 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						





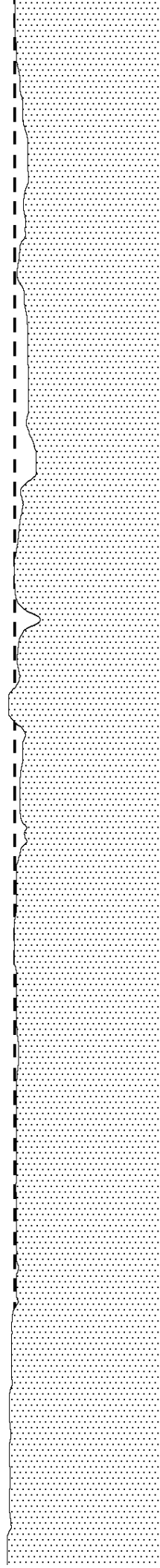
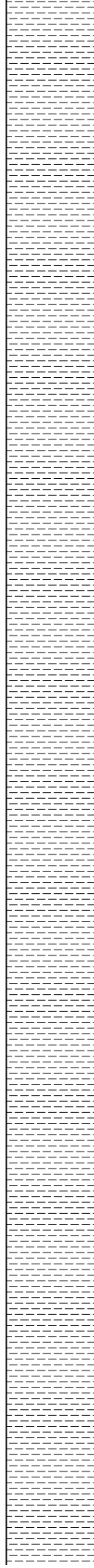
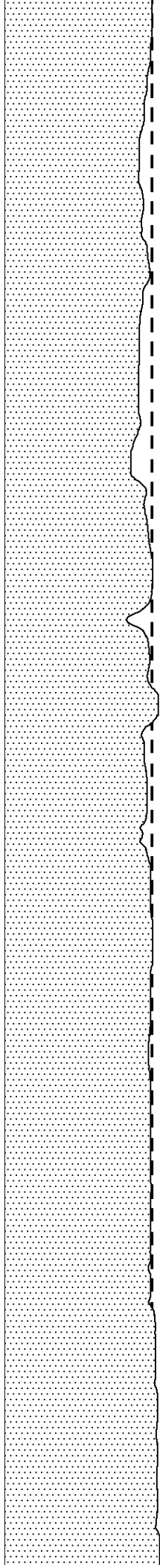
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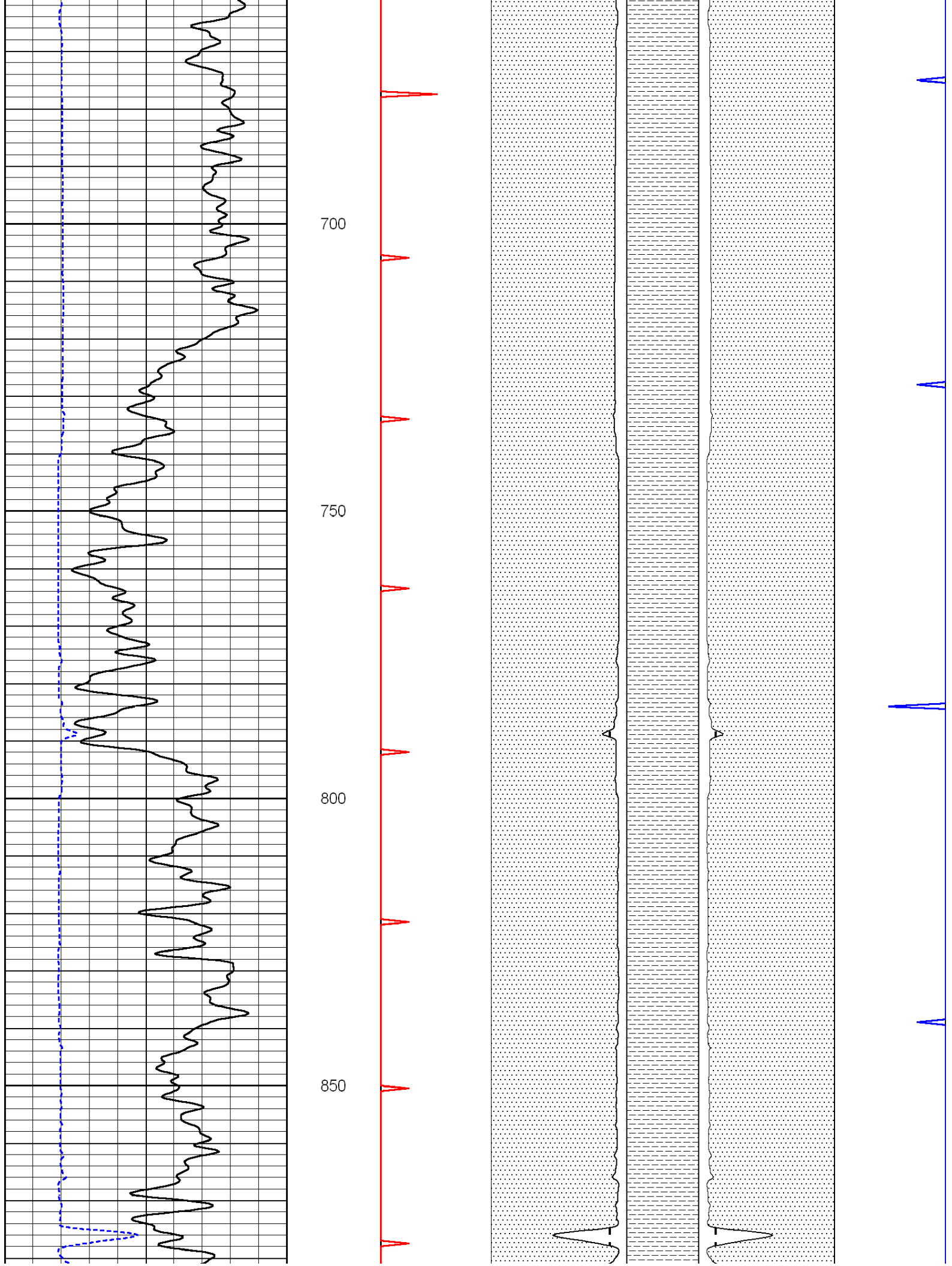
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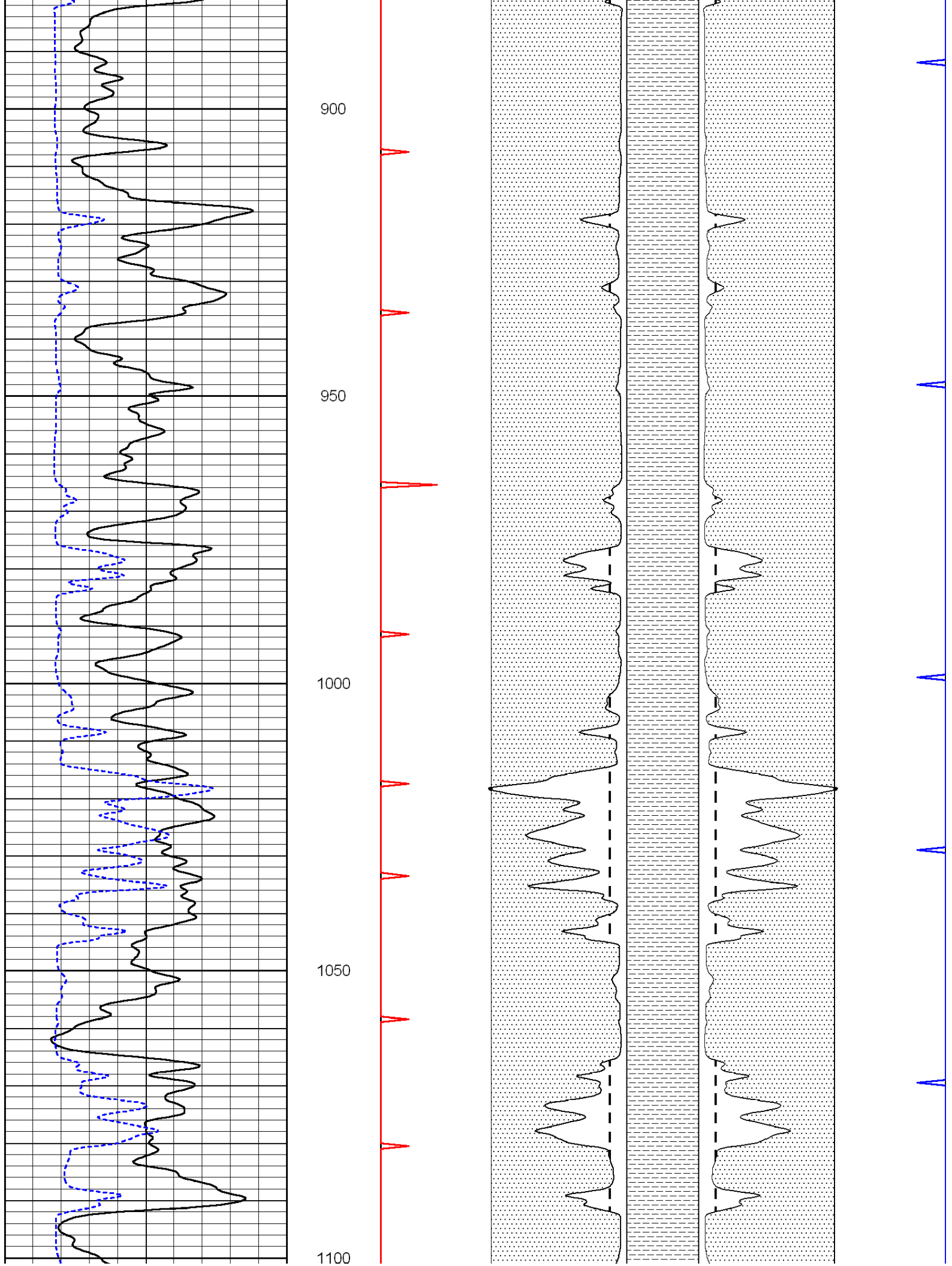
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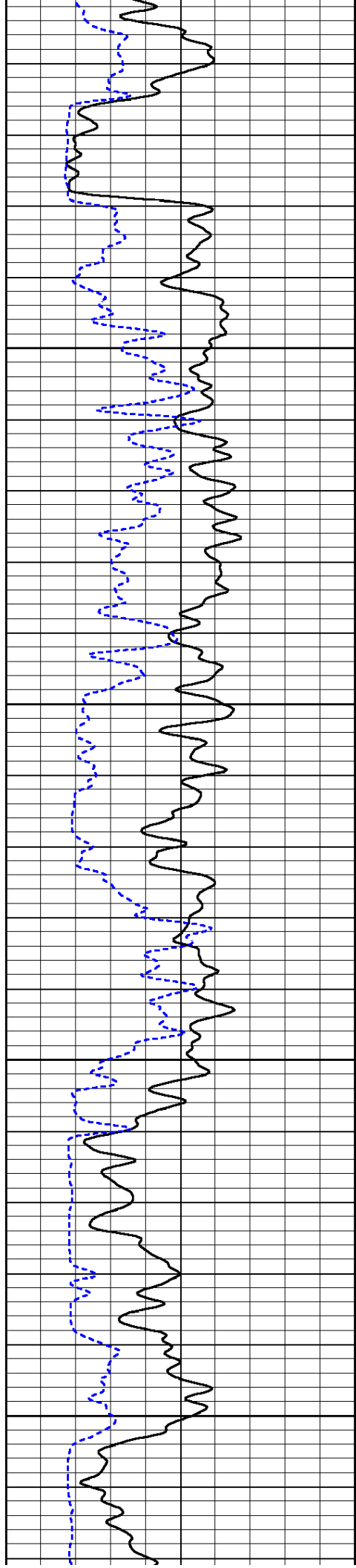
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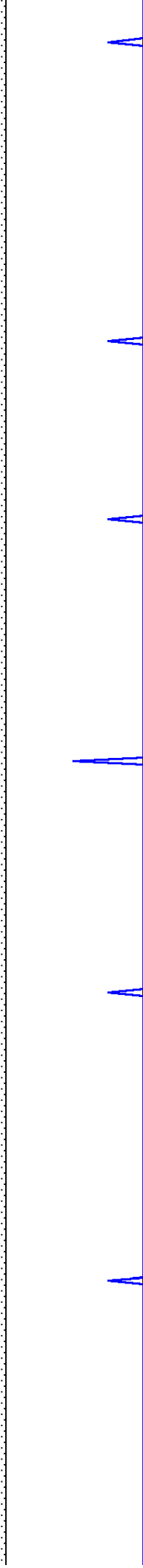
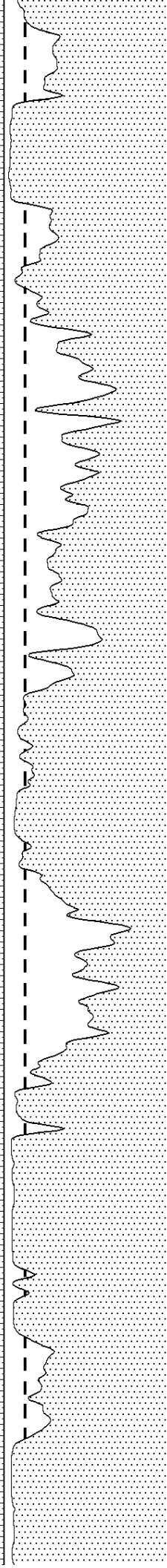
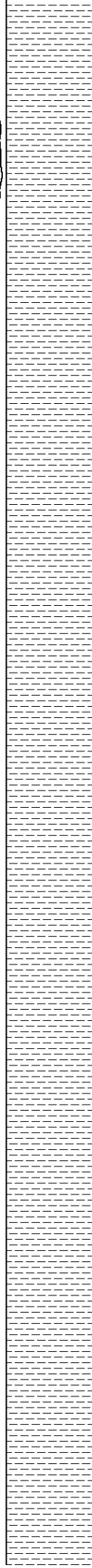
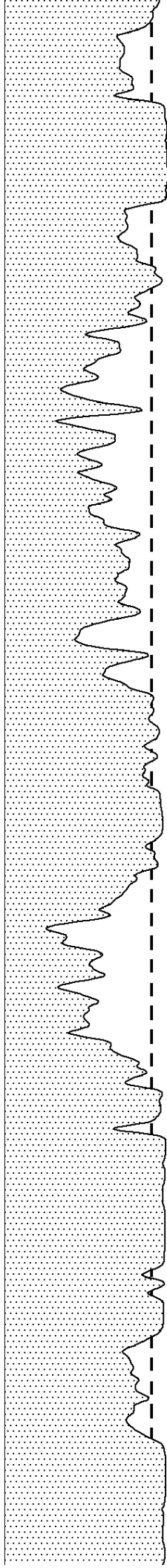


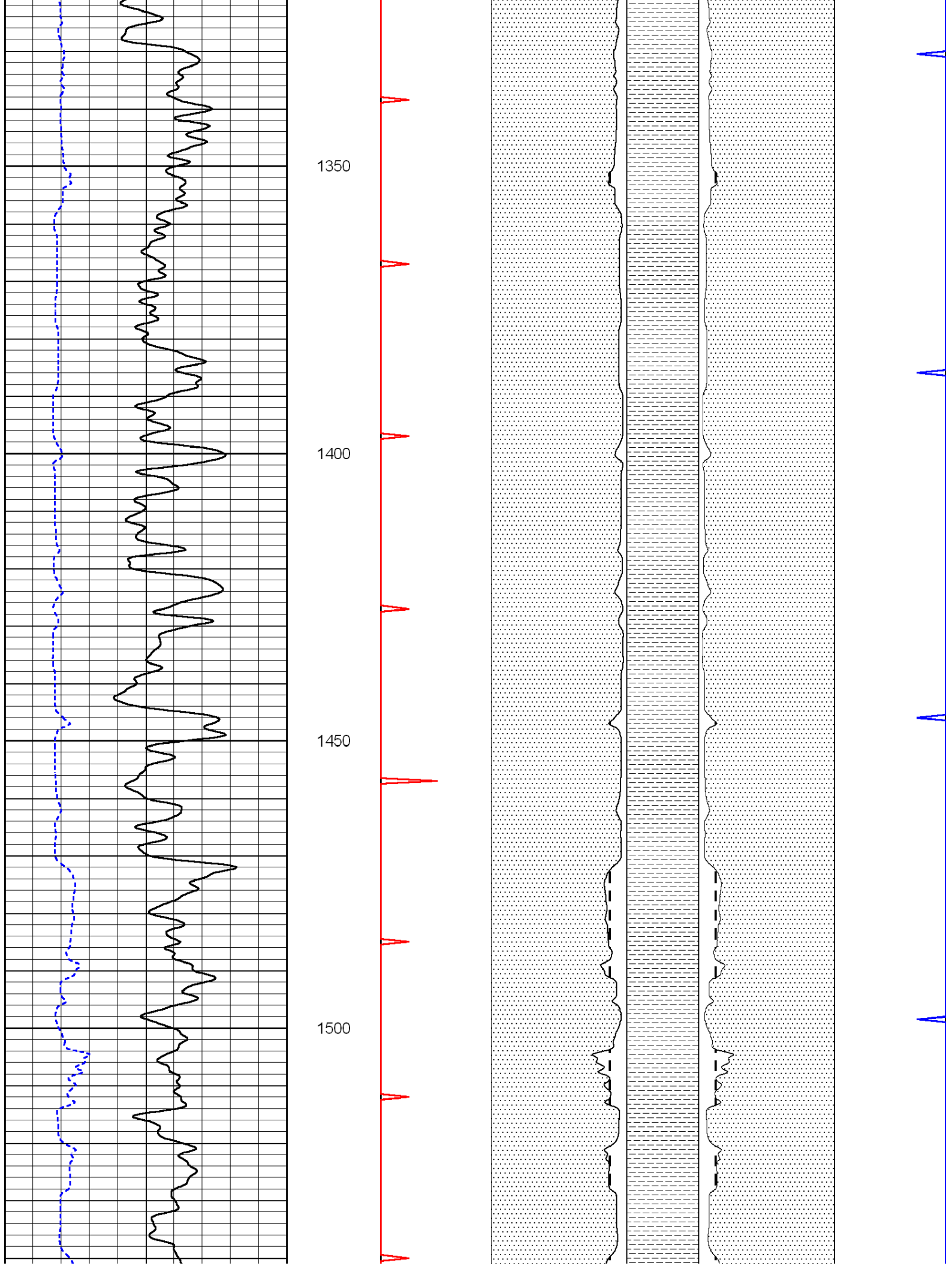
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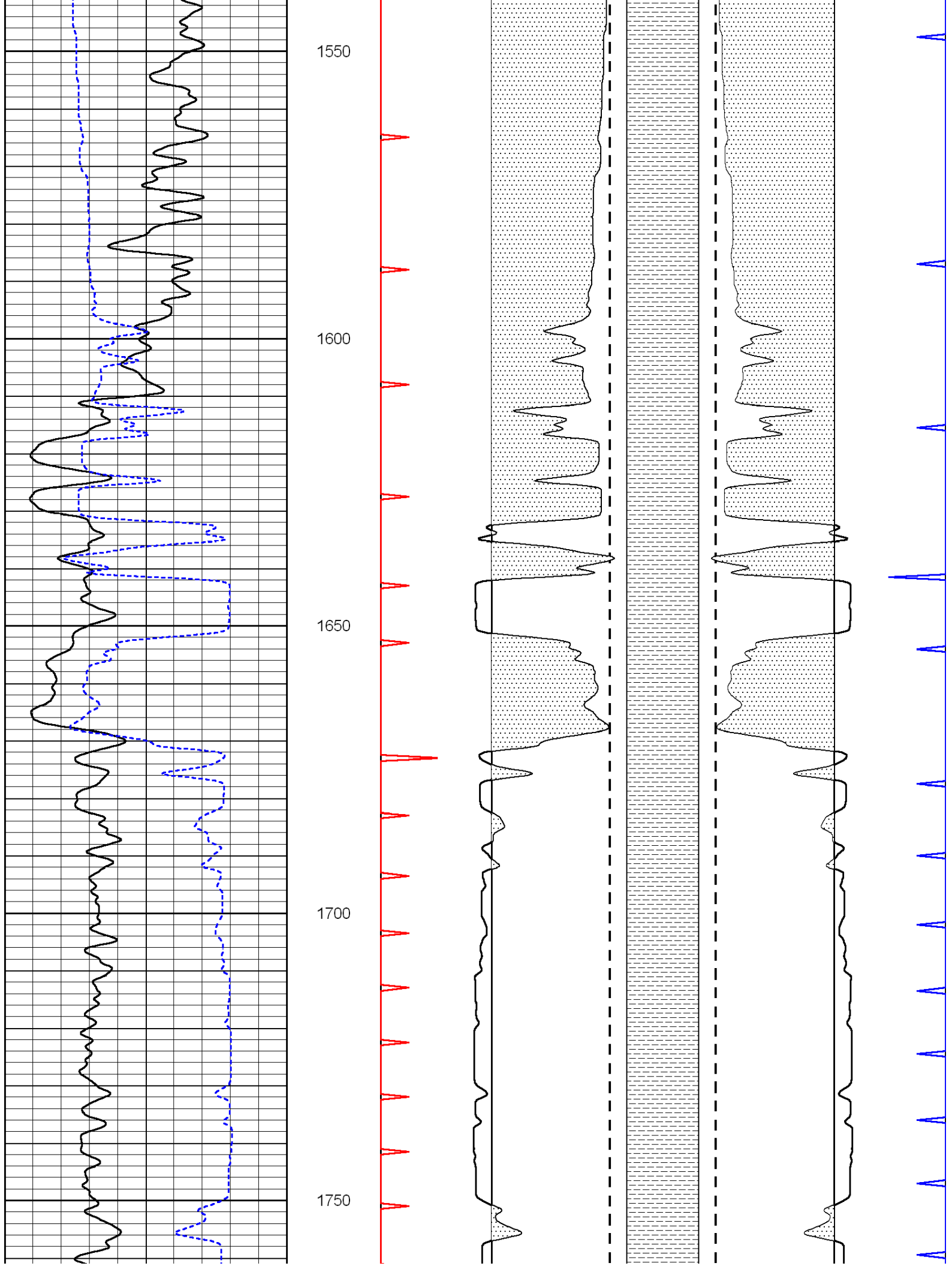
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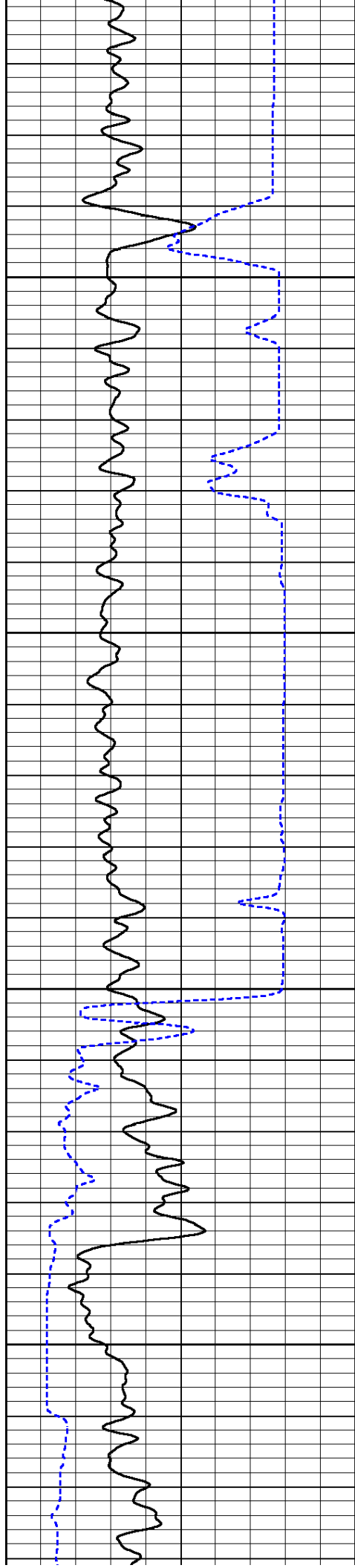
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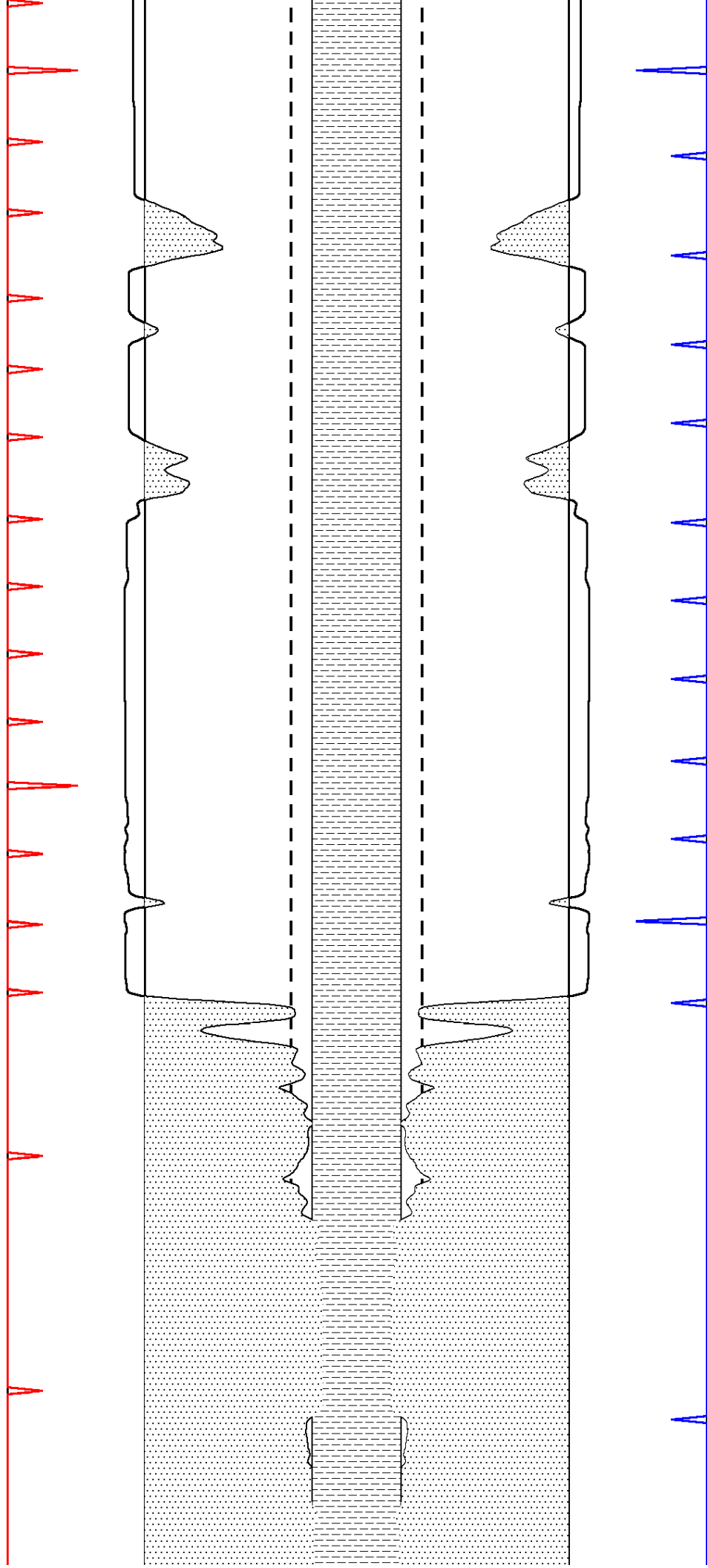


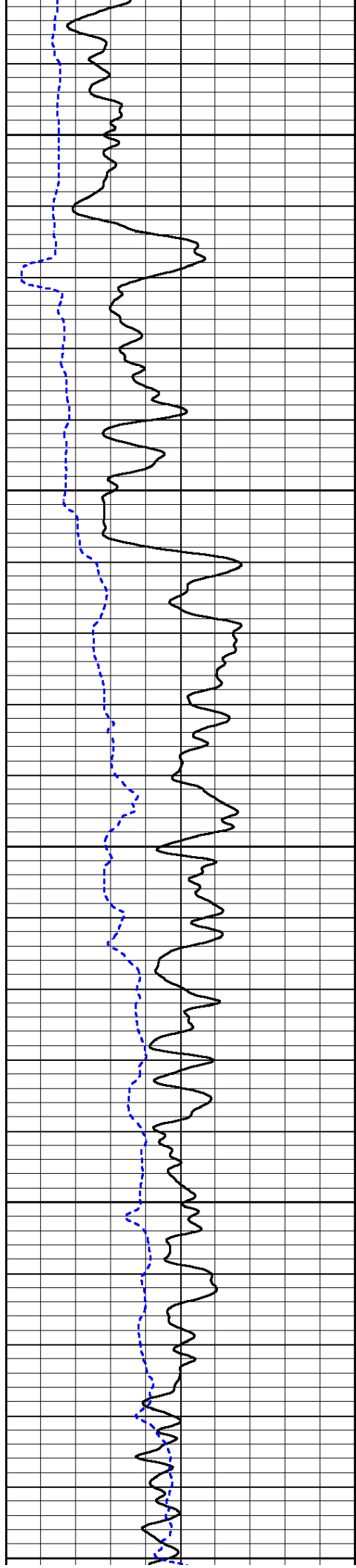
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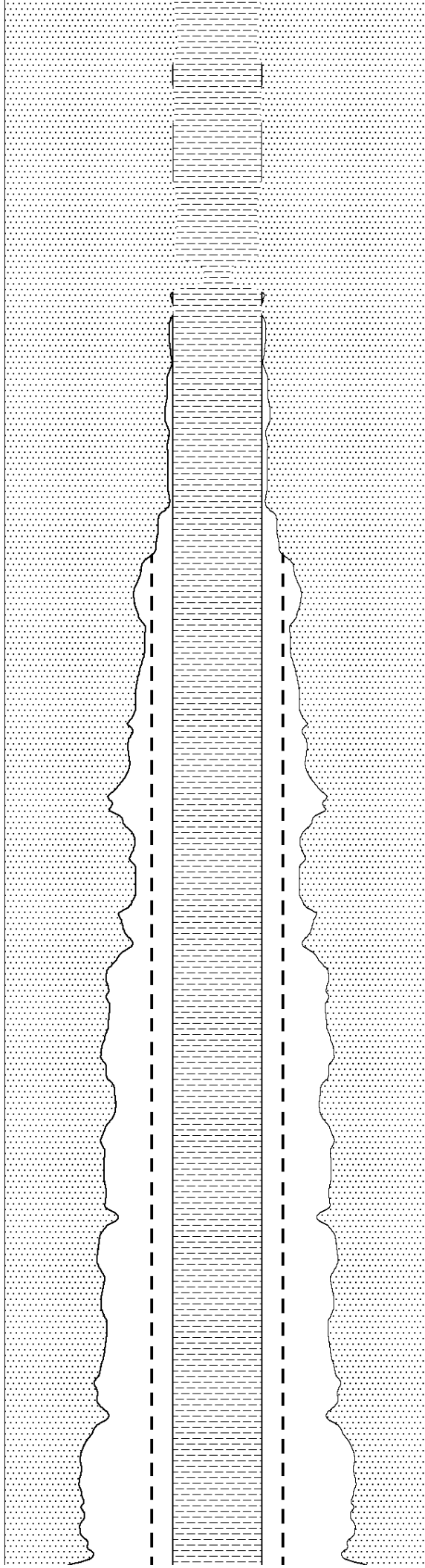
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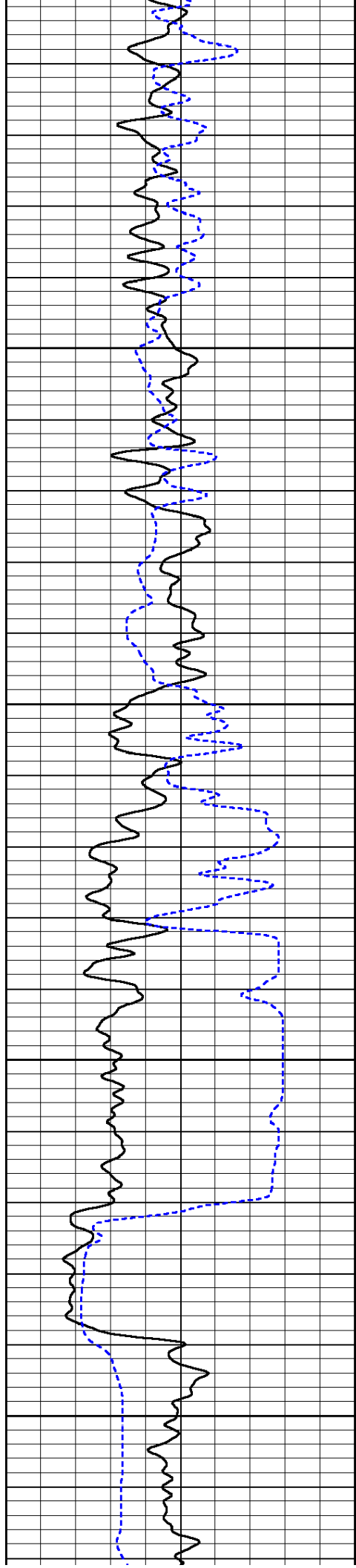
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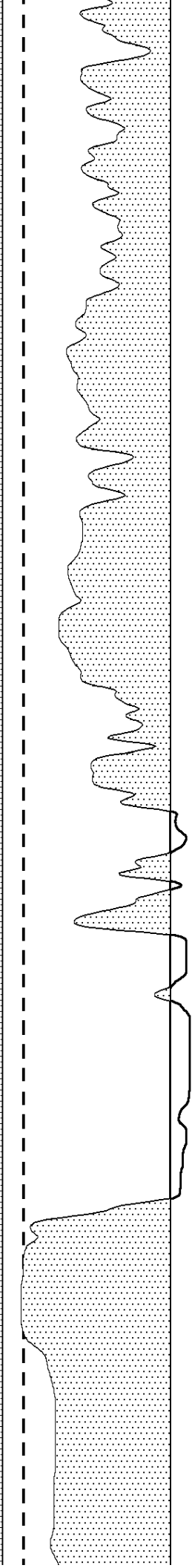
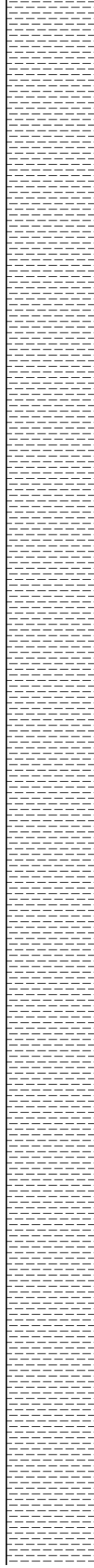


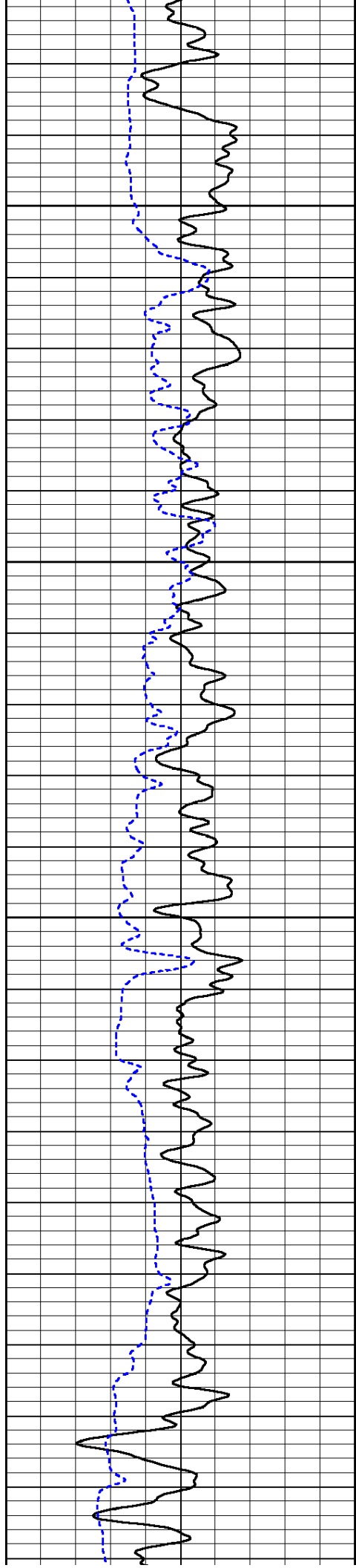
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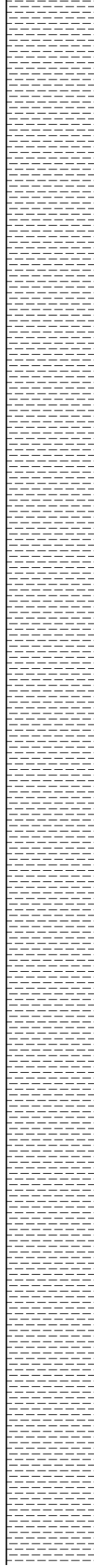
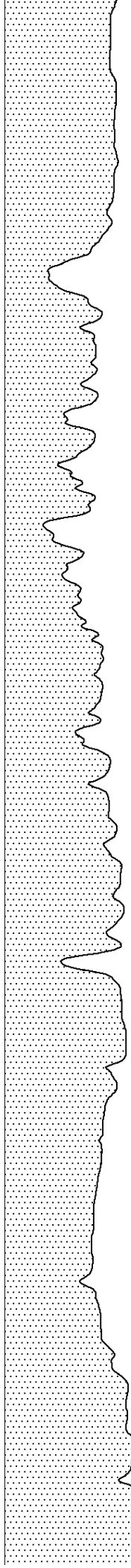


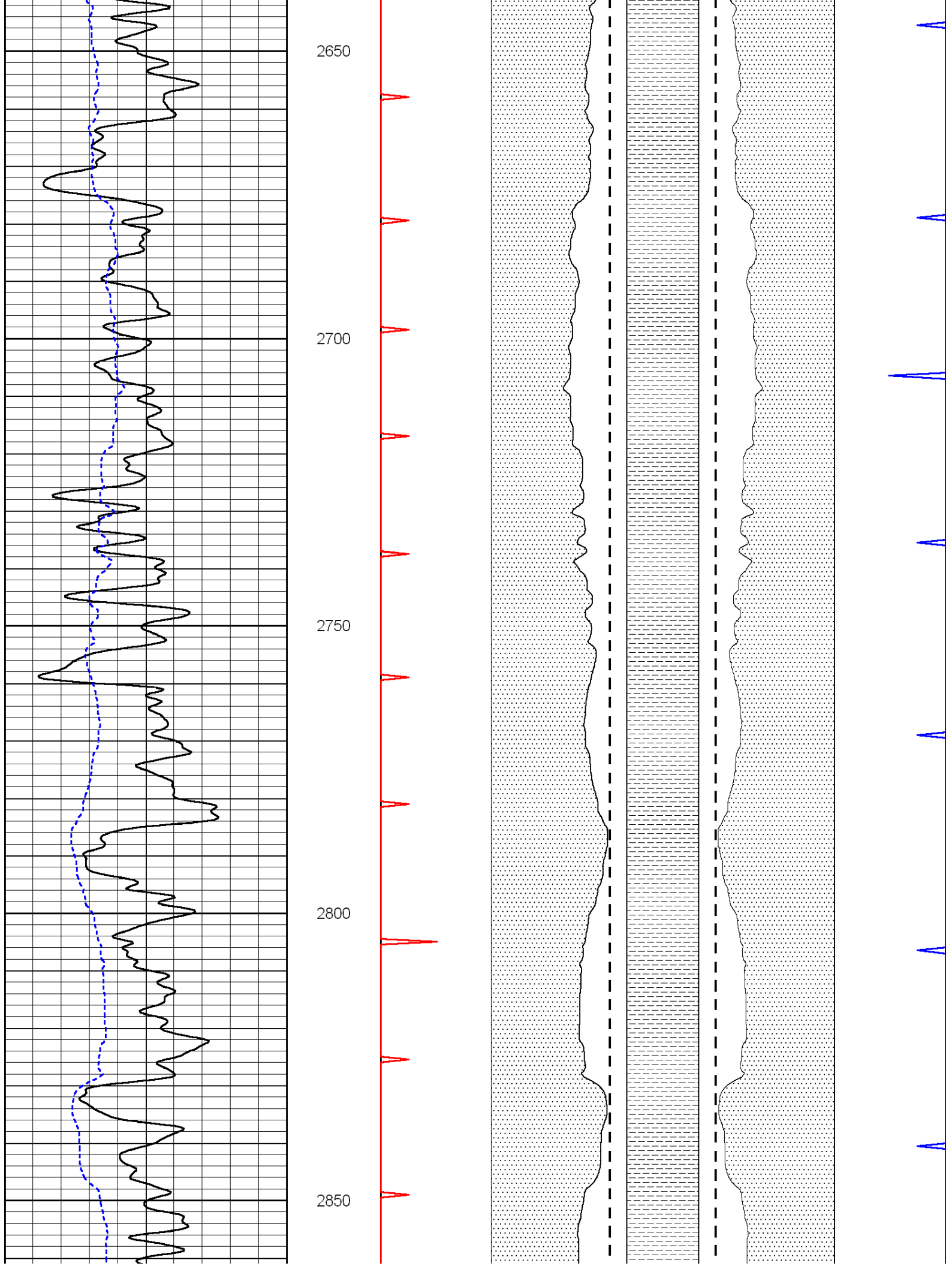
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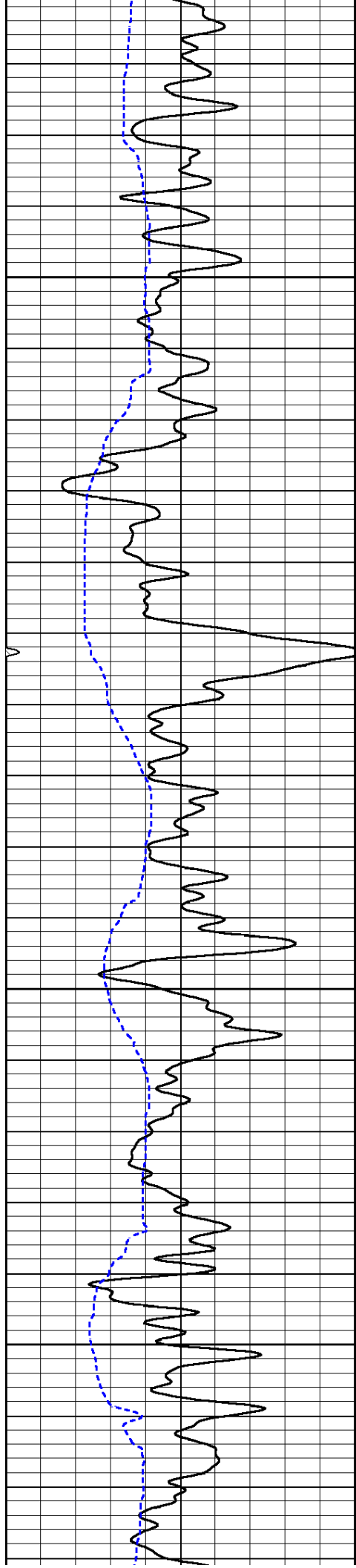
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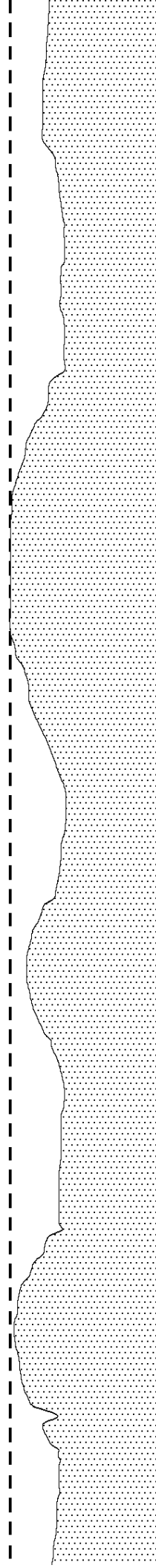
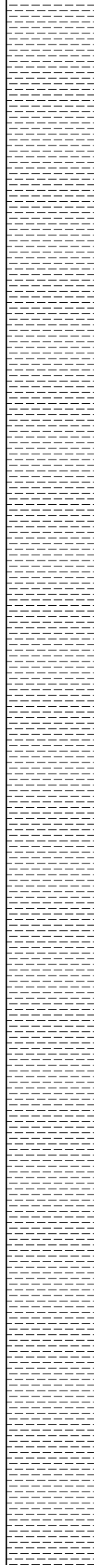
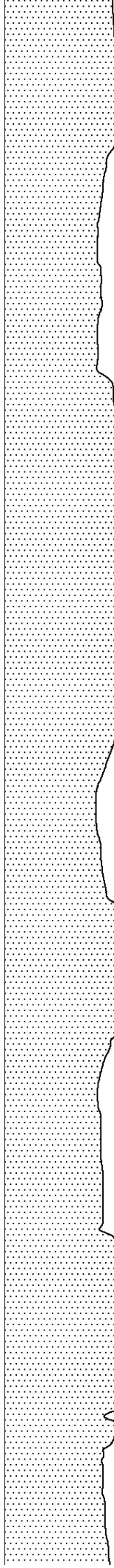
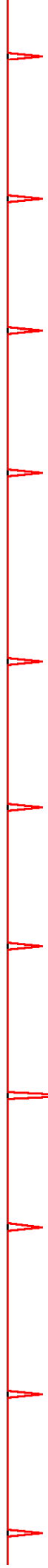


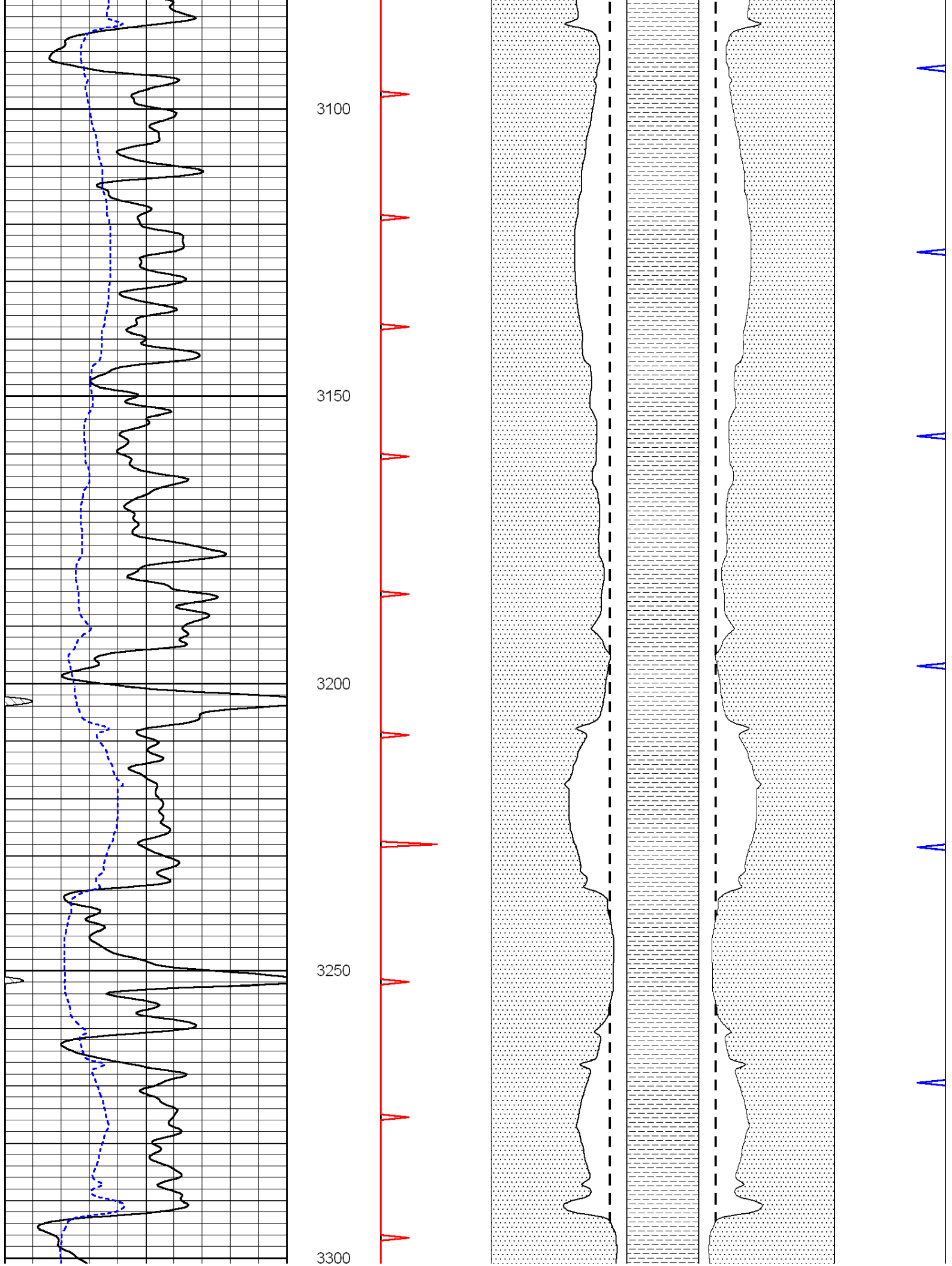
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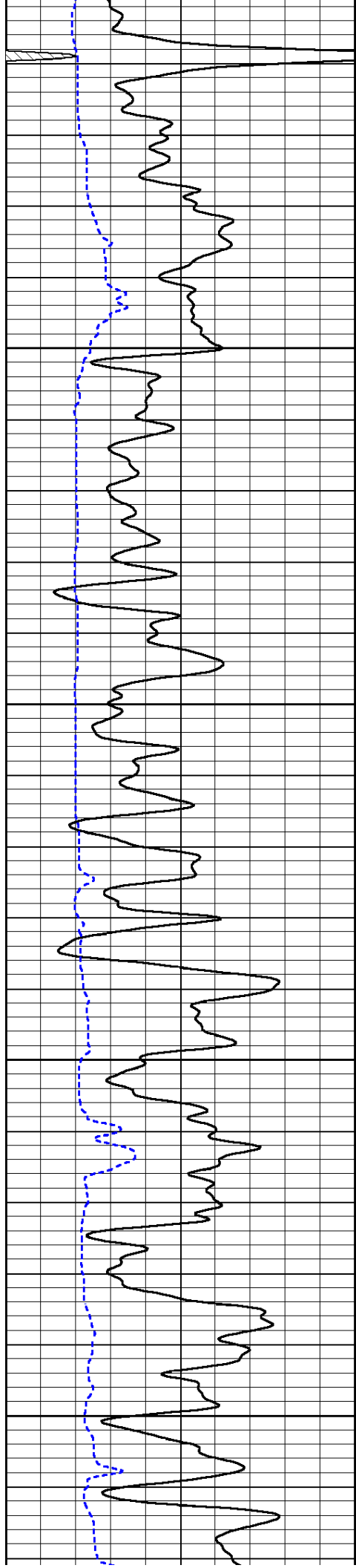
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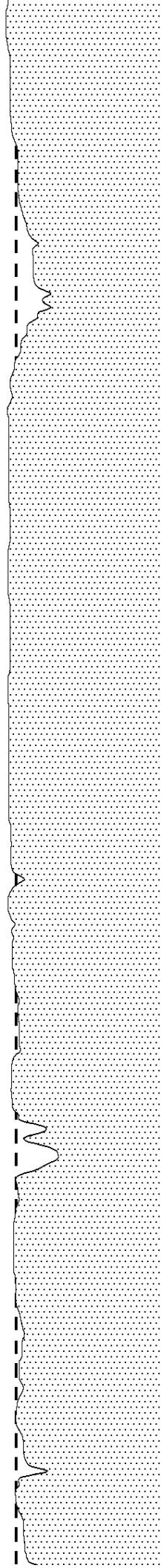
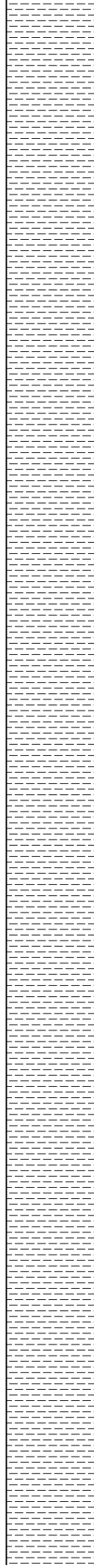
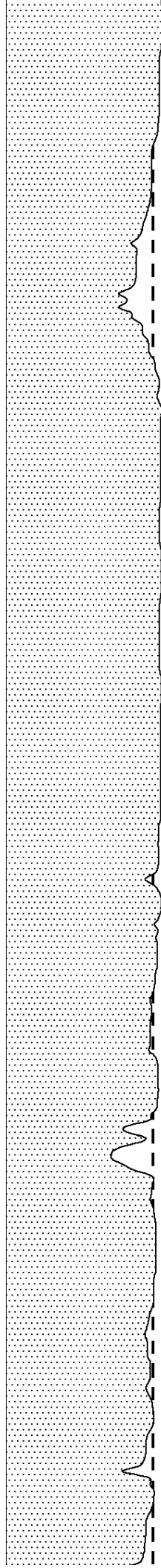


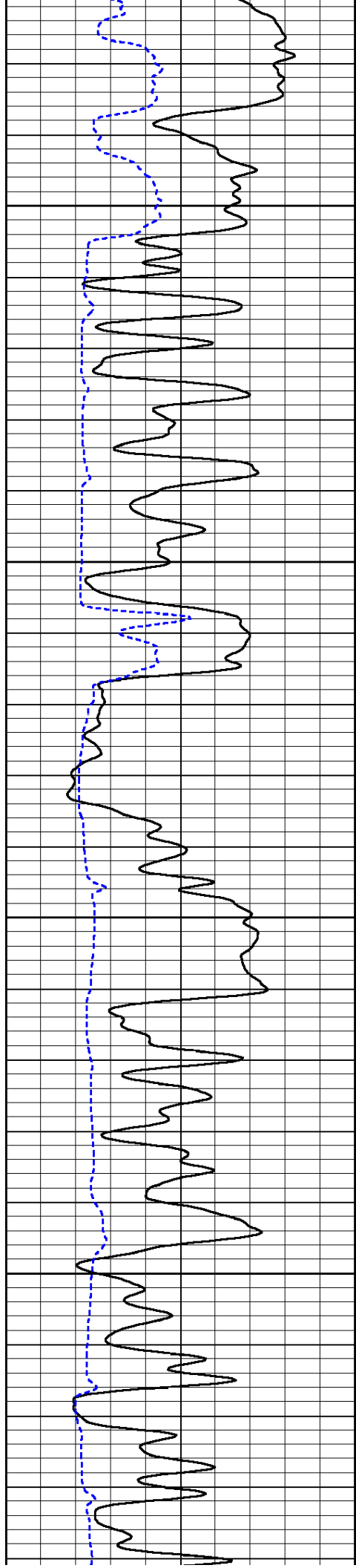
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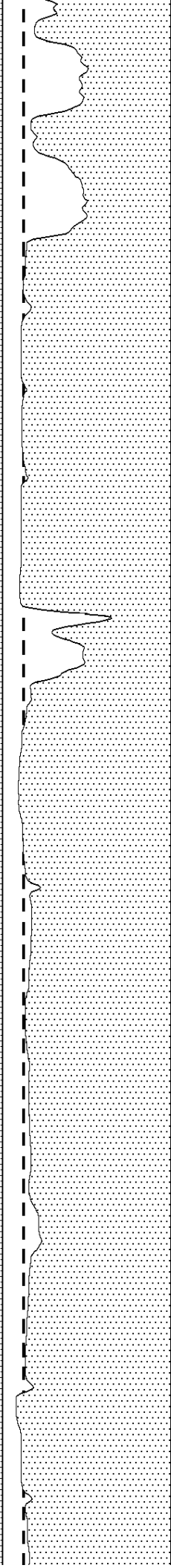
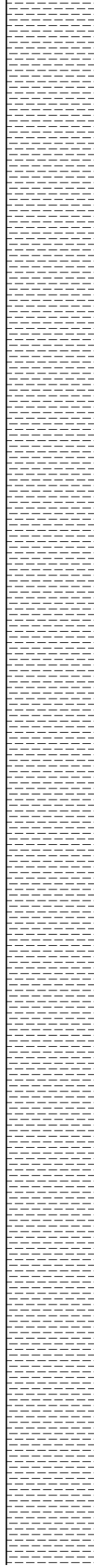
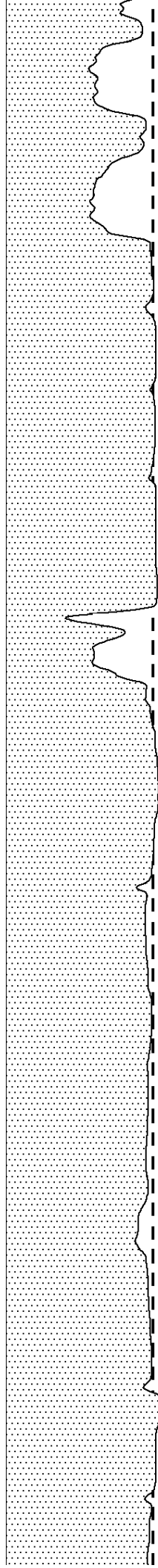


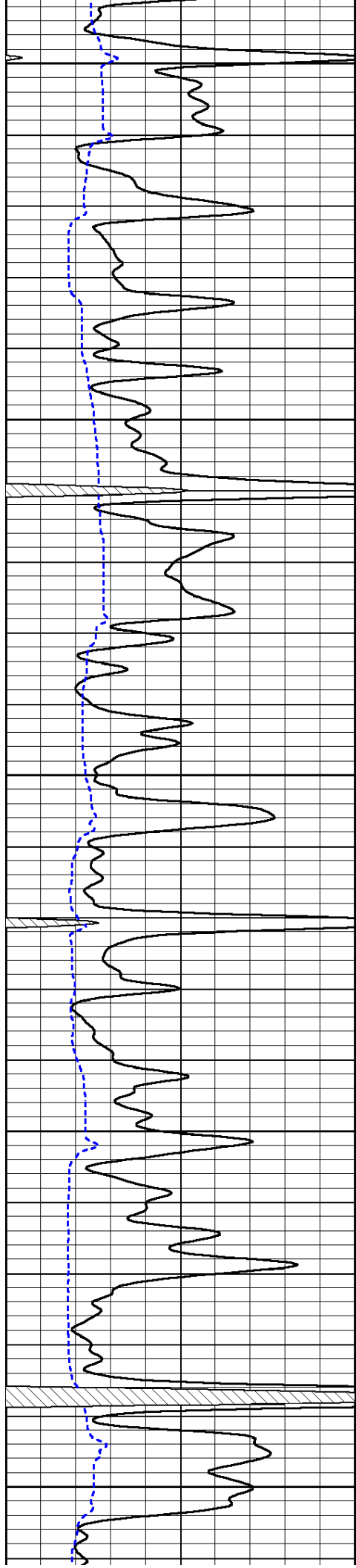
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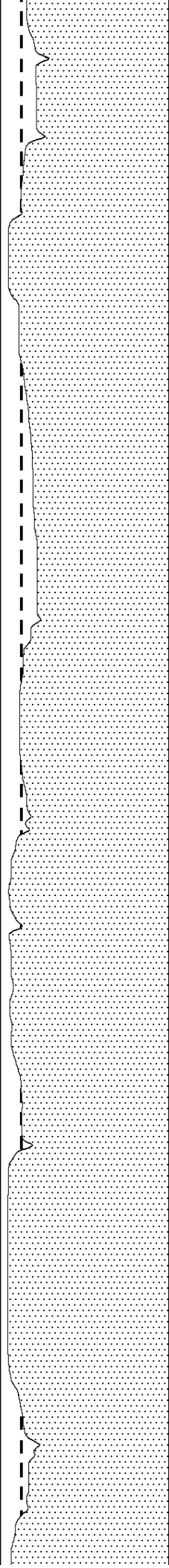
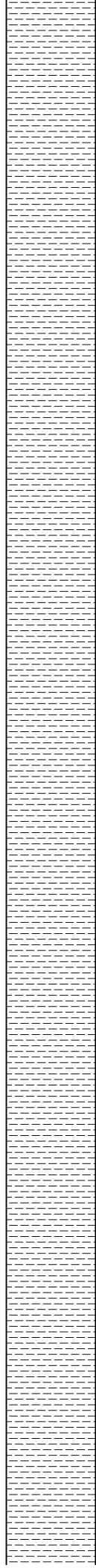
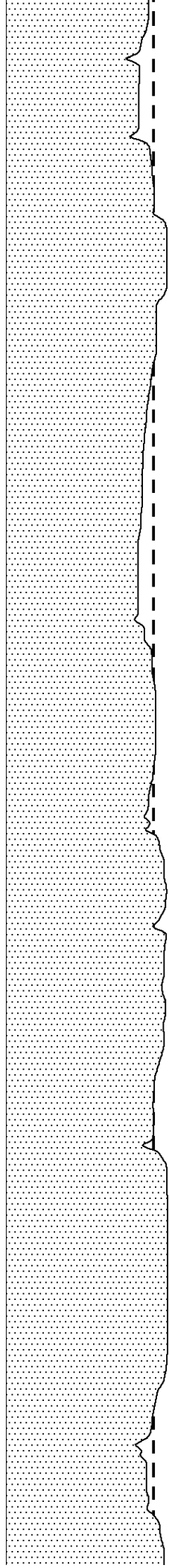
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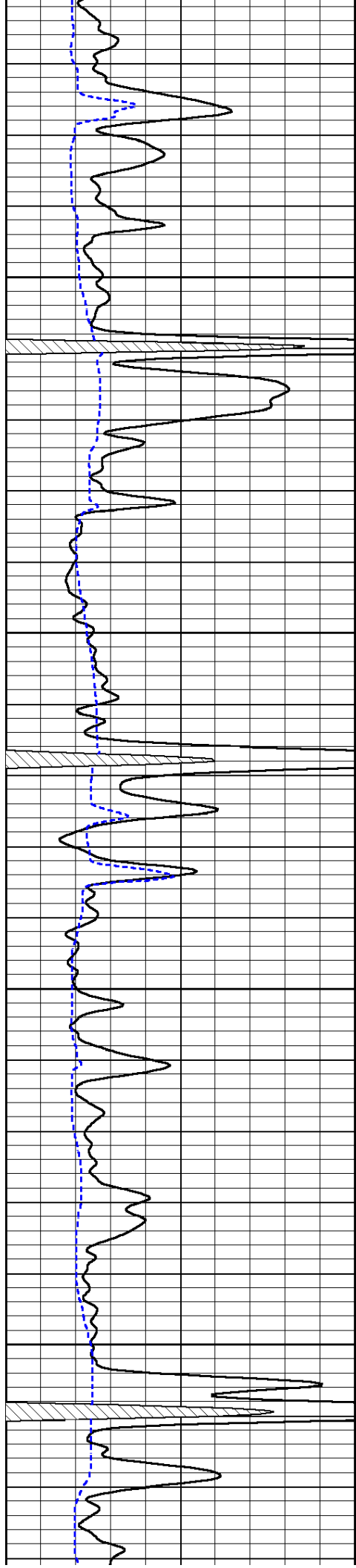
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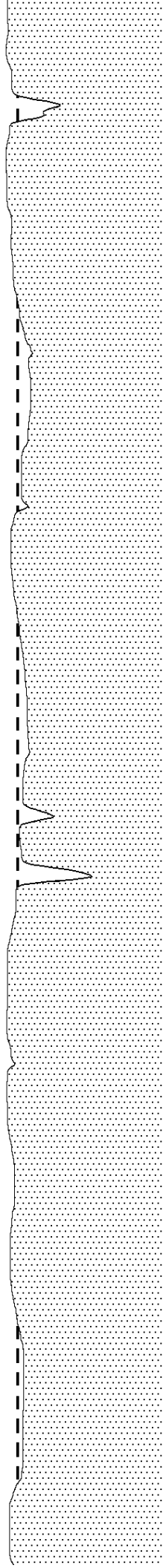
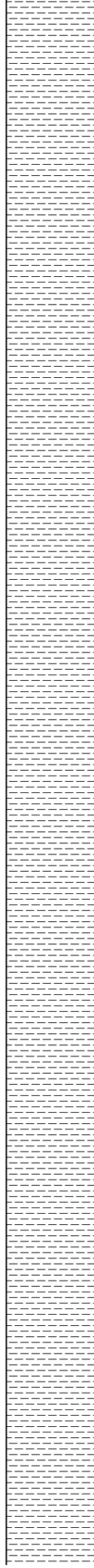
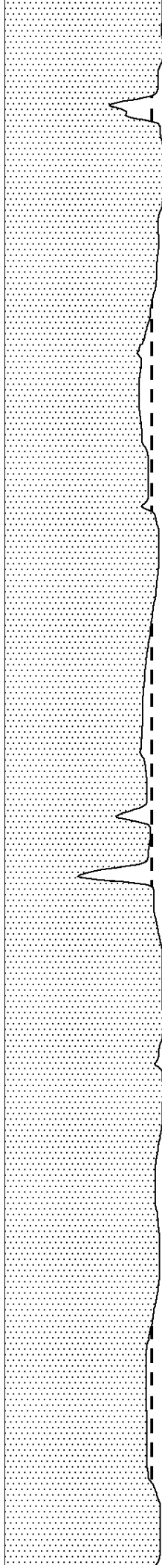


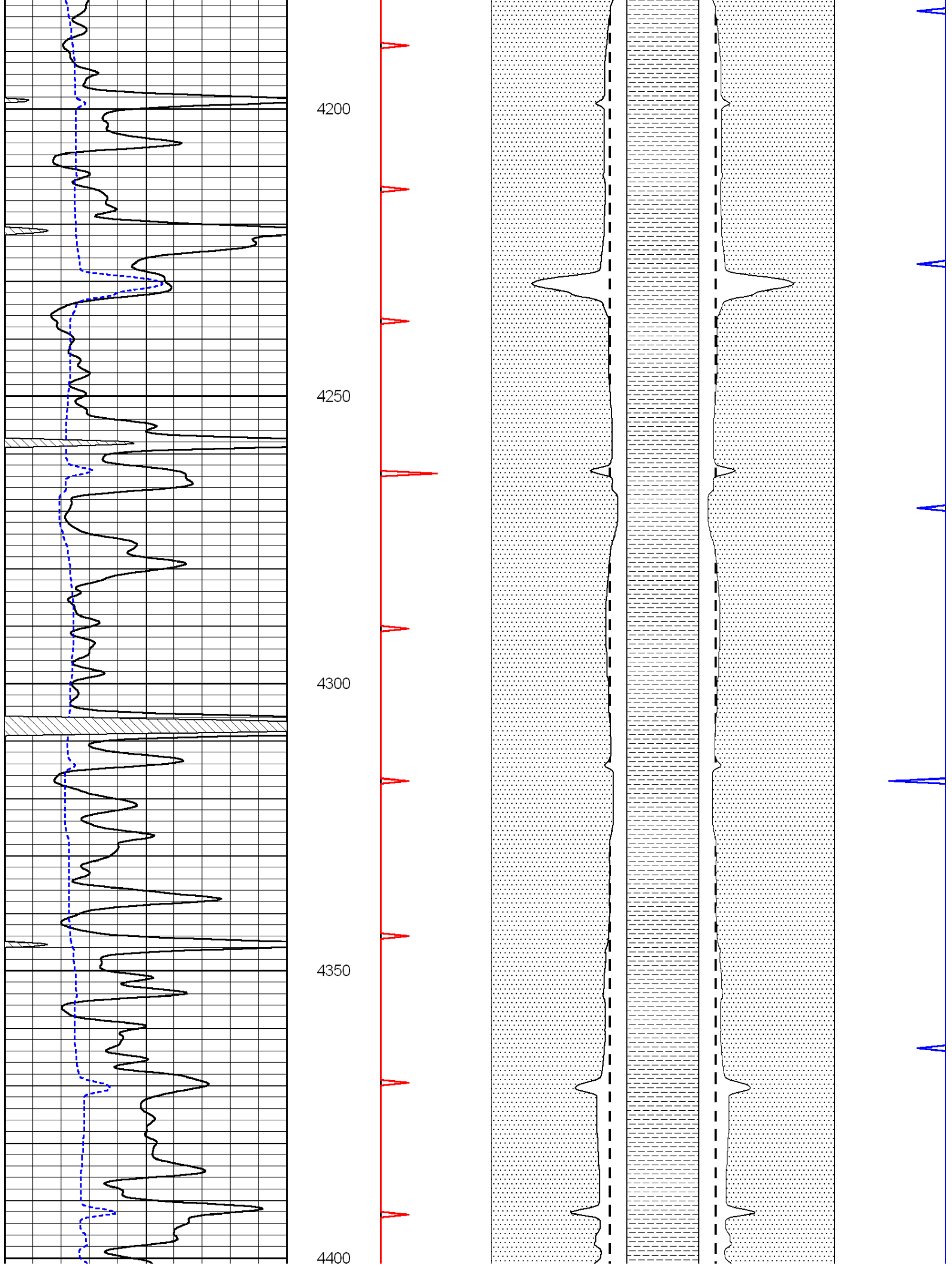
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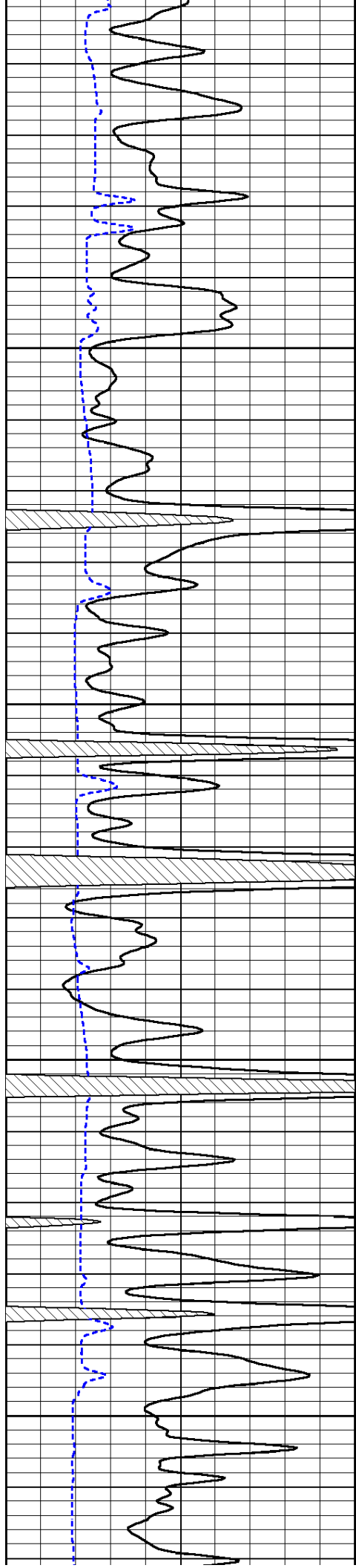
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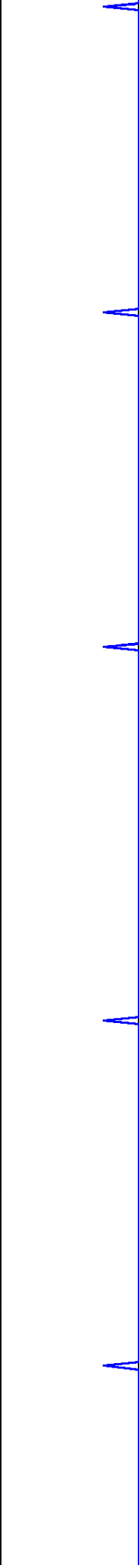
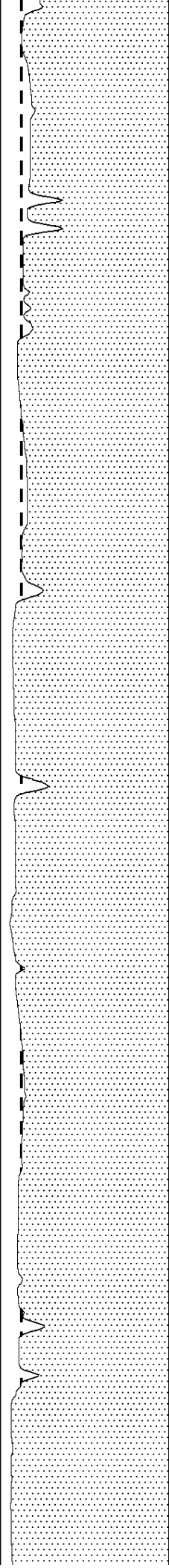
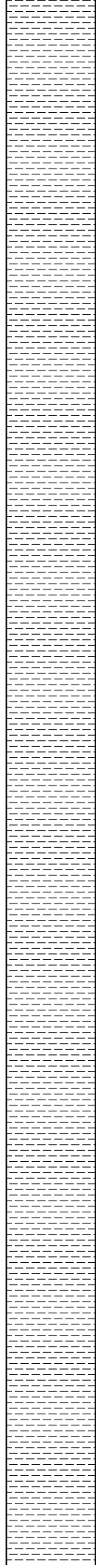
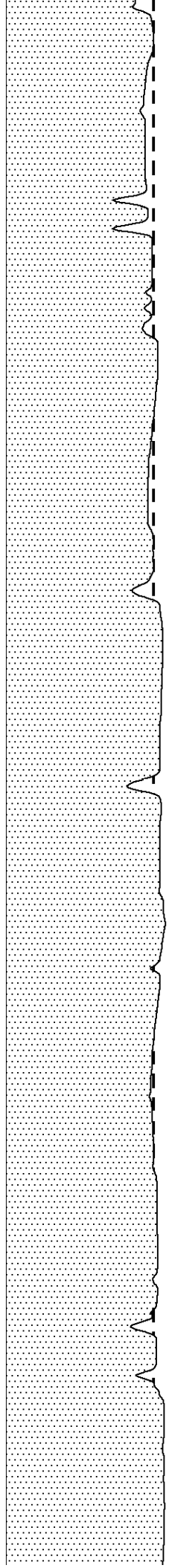


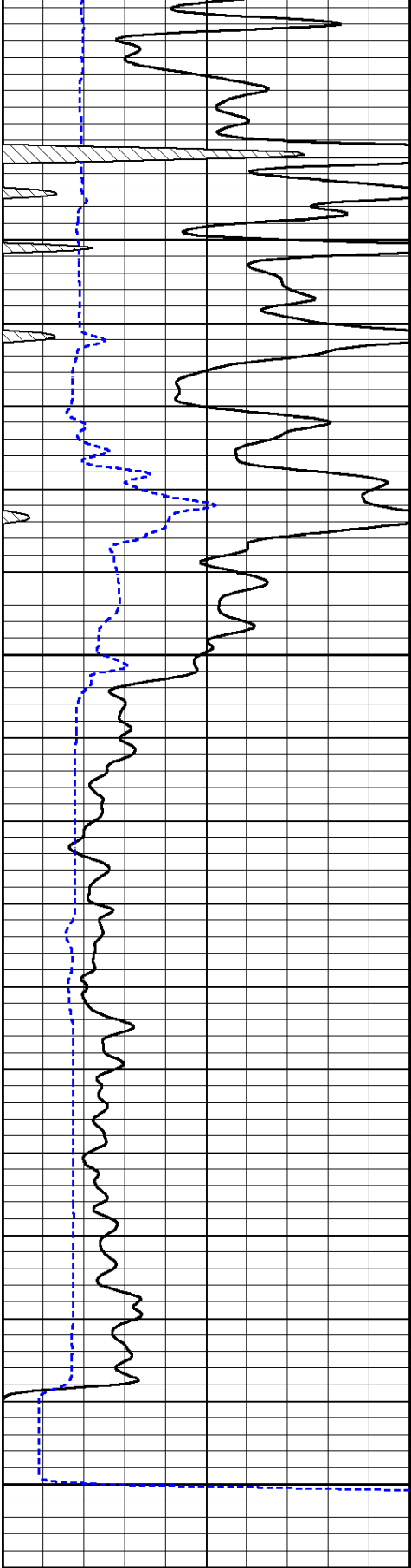
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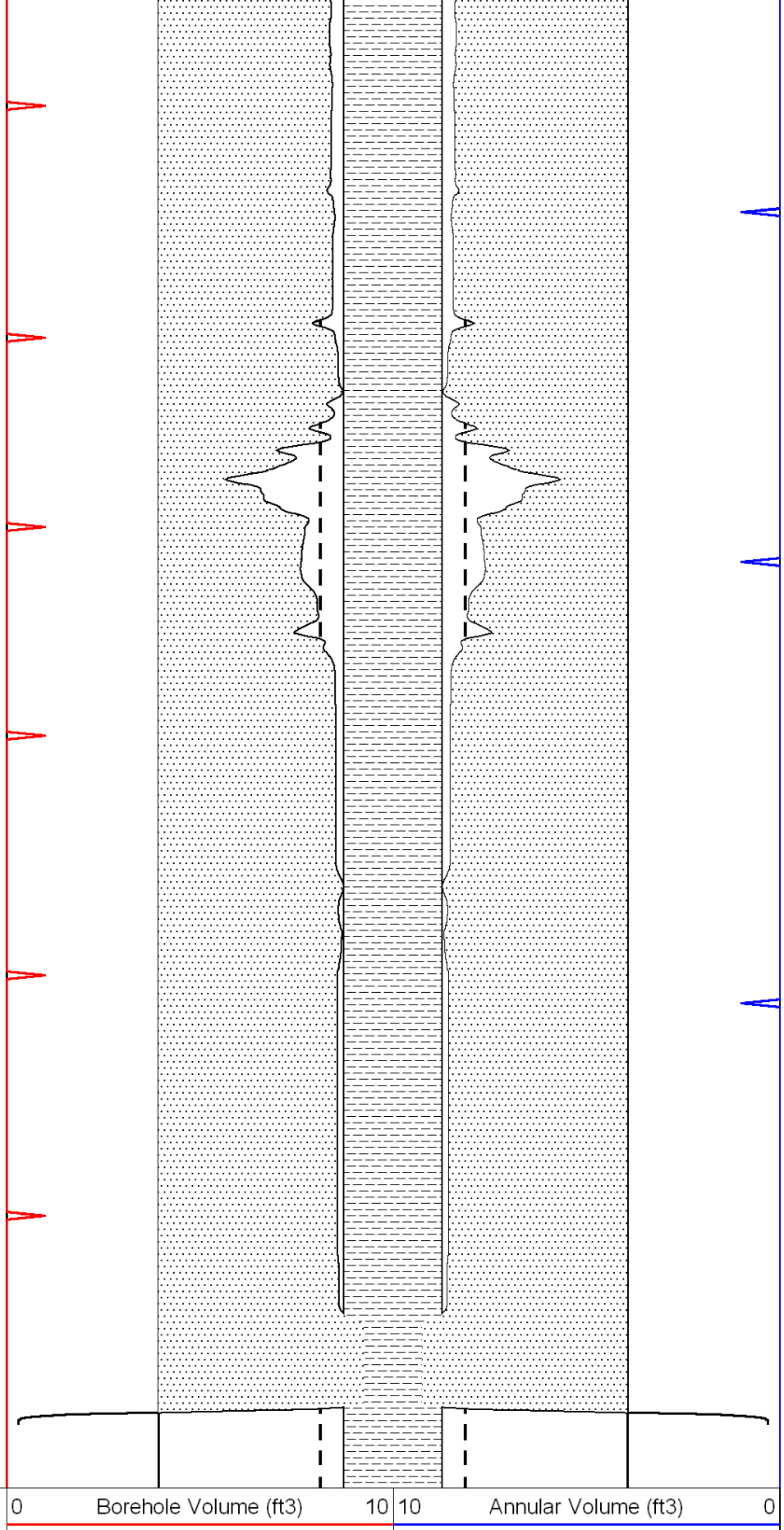
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4800

0	Gamma Ray (GAPI)	150
150	GR (GAPI)	300
6	DCAL (in)	16



0	Borehole Volume (ft3)	10	10	Annular Volume (ft3)	0
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