



SONIC LOG

Company MULL DRILLING COMPANY, INC.
Well THORNBURG TRUST "A" #1-34
Field CHAPMAN
County GOVE State KANSAS

Location: API #: 15-063-22392-0000

896' FNL & 2475' FWL

SEC 34 TWP 15S RGE 26W

Permanent Datum GROUND LEVEL Elevation 2533
Log Measured From KELLY BUSHING 11' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL/PE
DIL/MEL

Elevation
K.B. 2544
D.F. 2542
G.L. 2533

Date 12/13/21

Run Number TWO

Depth Driller 4578

Depth Logger 4578

Bottom Logged Interval 4568

Top Log Interval 200

Casing Driller 8 5/8" @ 226

Casing Logger 226

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.4/60

pH / Fluid Loss 10.5/6.0

Source of Sample FLOWLINE

Rm @ Meas. Temp 1.20 @ 58F

Rmf @ Meas. Temp .90 @ 58F

Rmc @ Meas. Temp 1.44 @ 58F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .57 @ 121F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom 1111

Maximum Recorded Temperature 121F

Equipment Number 3802

Location HAYS, KANSAS

Recorded By JASON CAPPELLUCCI

Witnessed By BLAKE MILLER

CHLORIDES 2600 PPM

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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

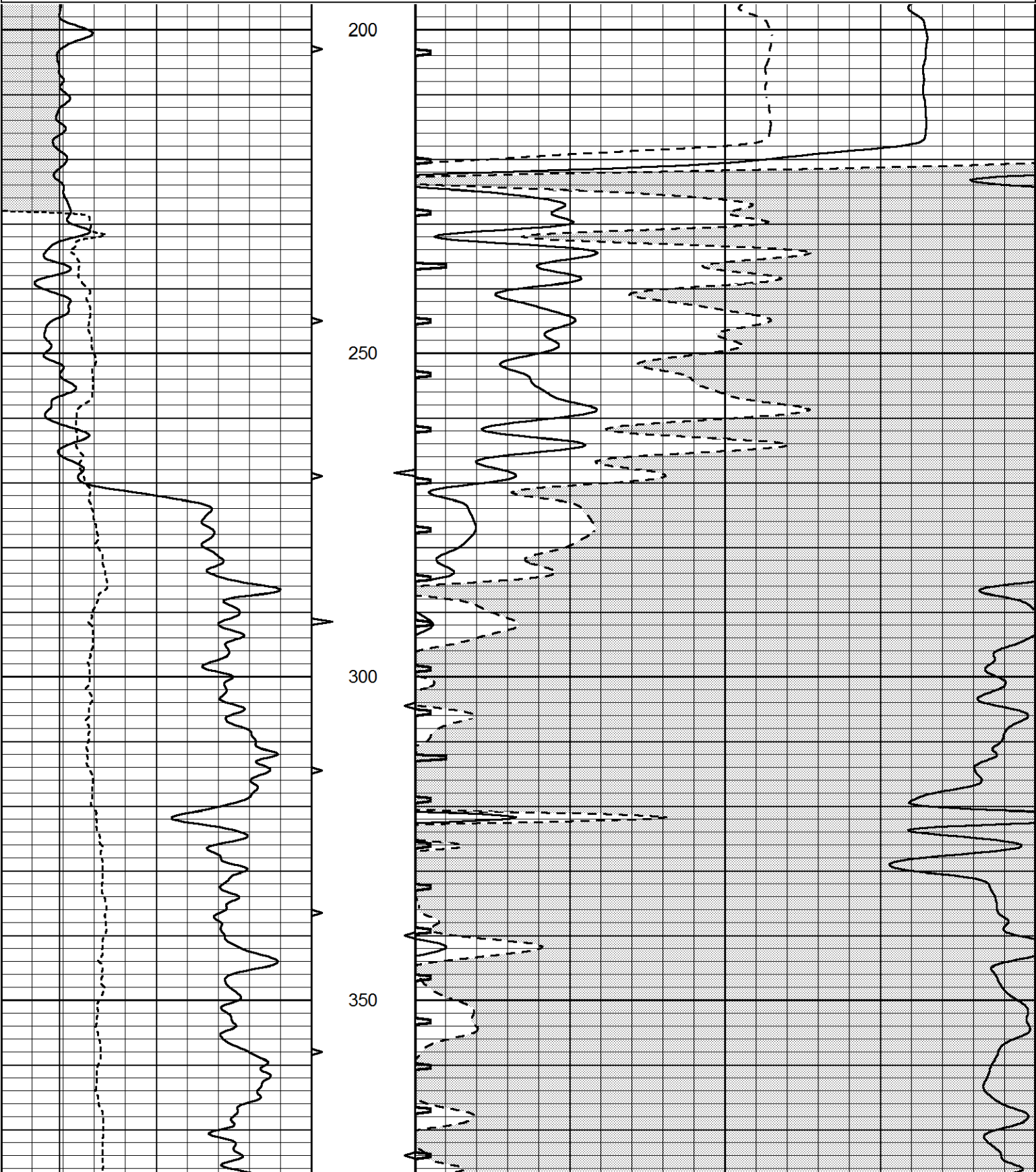
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
WEST EDGE OF UTICA, KS. - 4 NORTH ON RD. D - 1 WEST AT THE T - 1 NORTH - WEST INTO

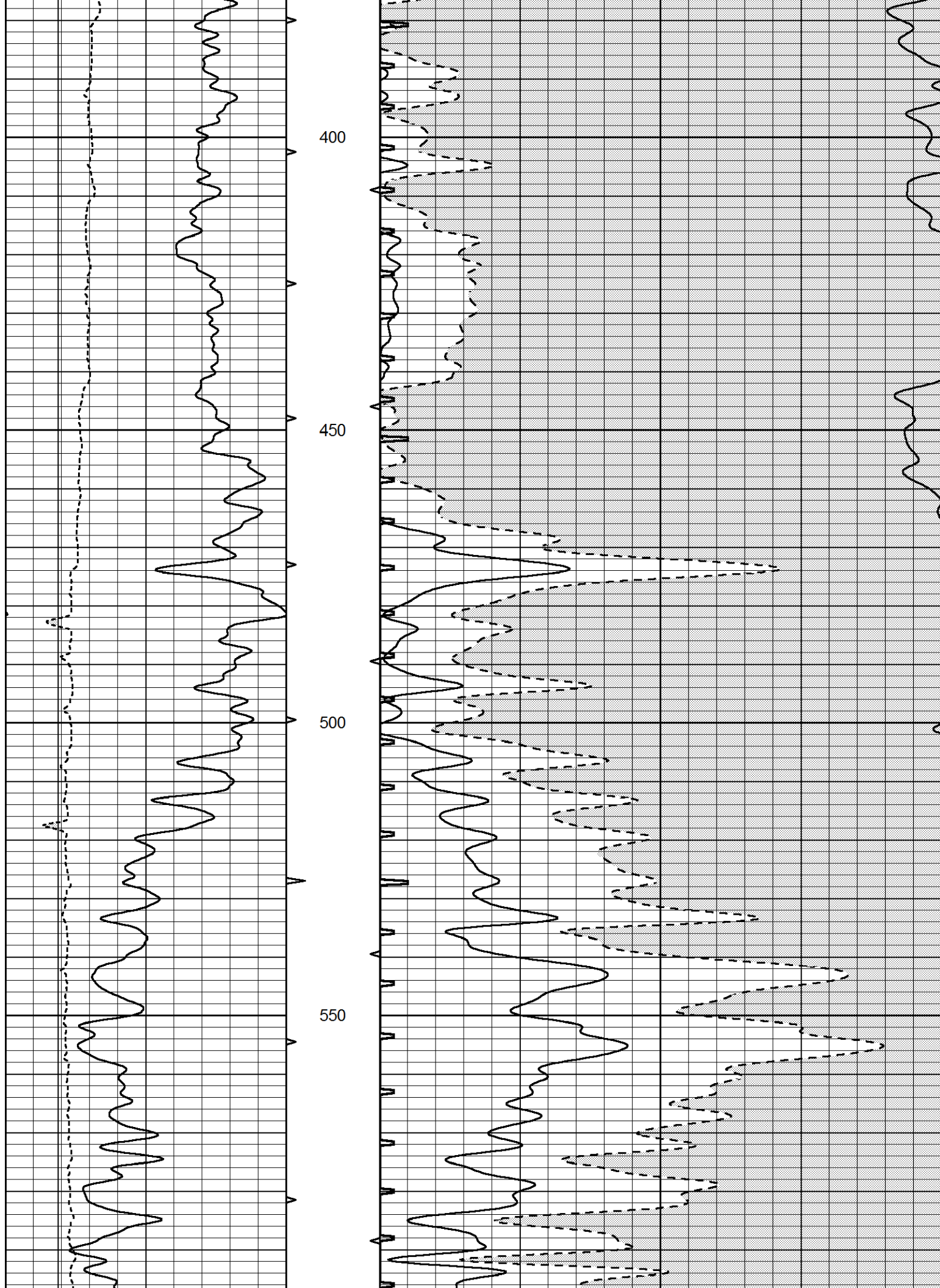


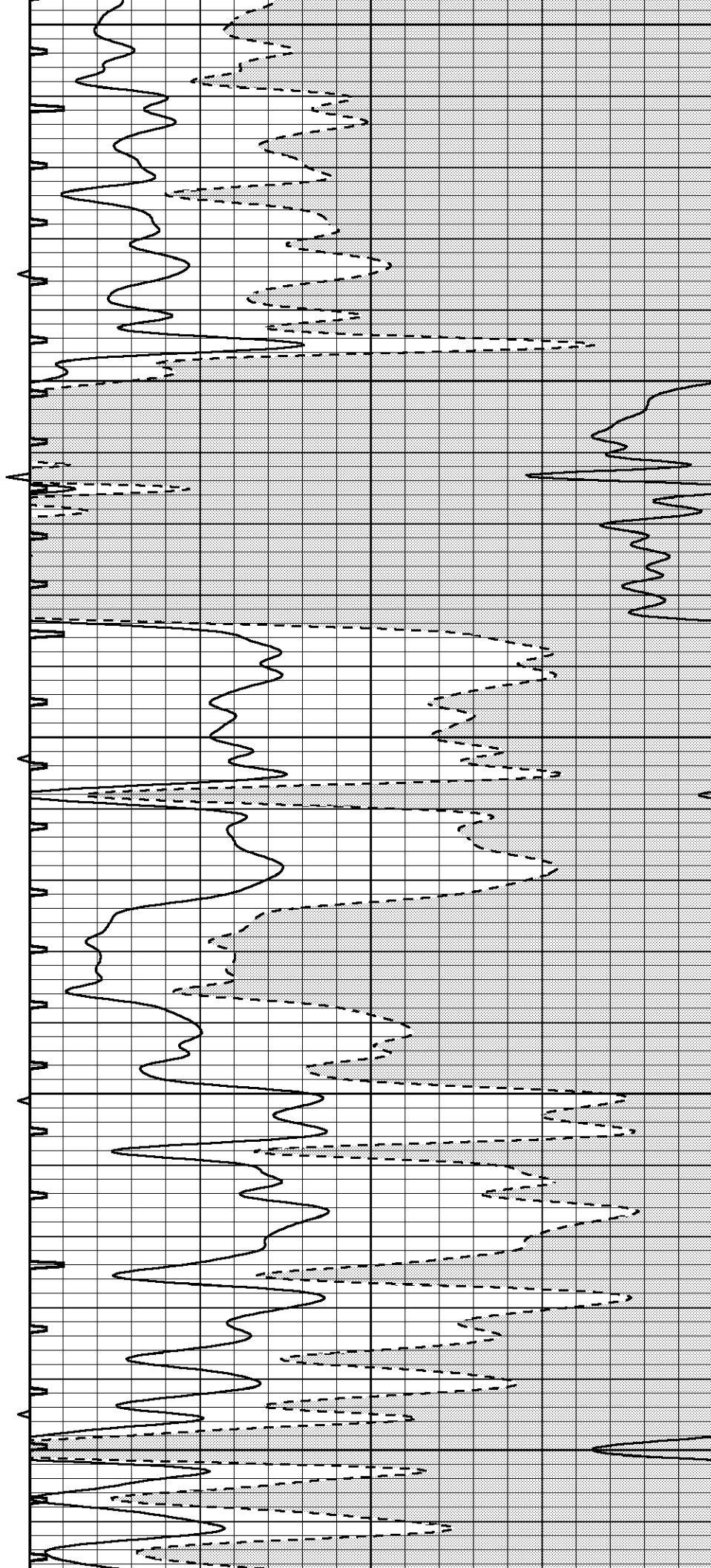
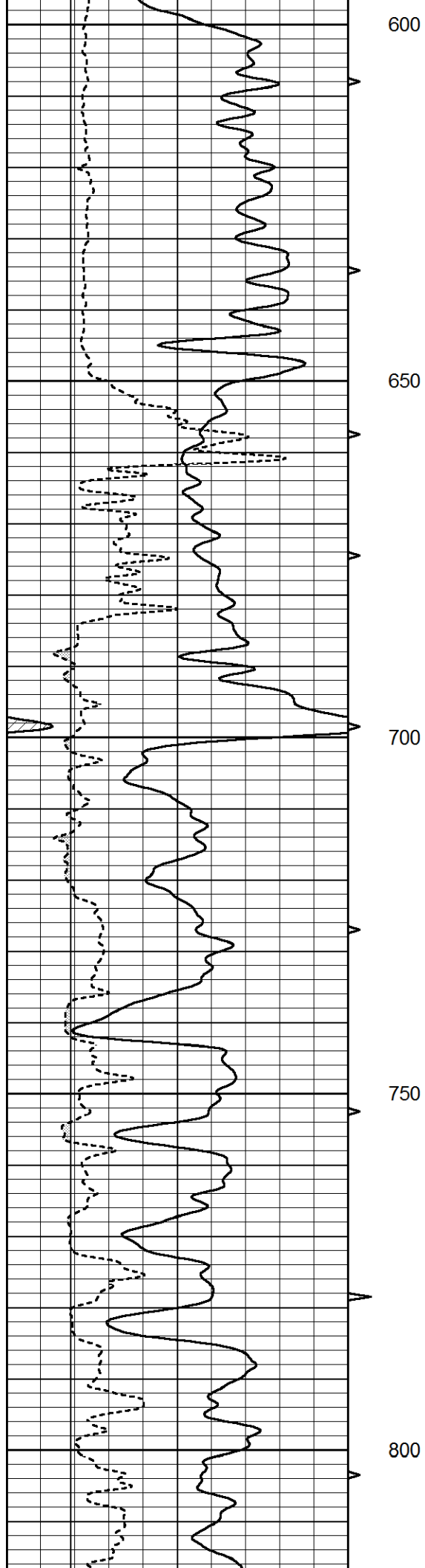
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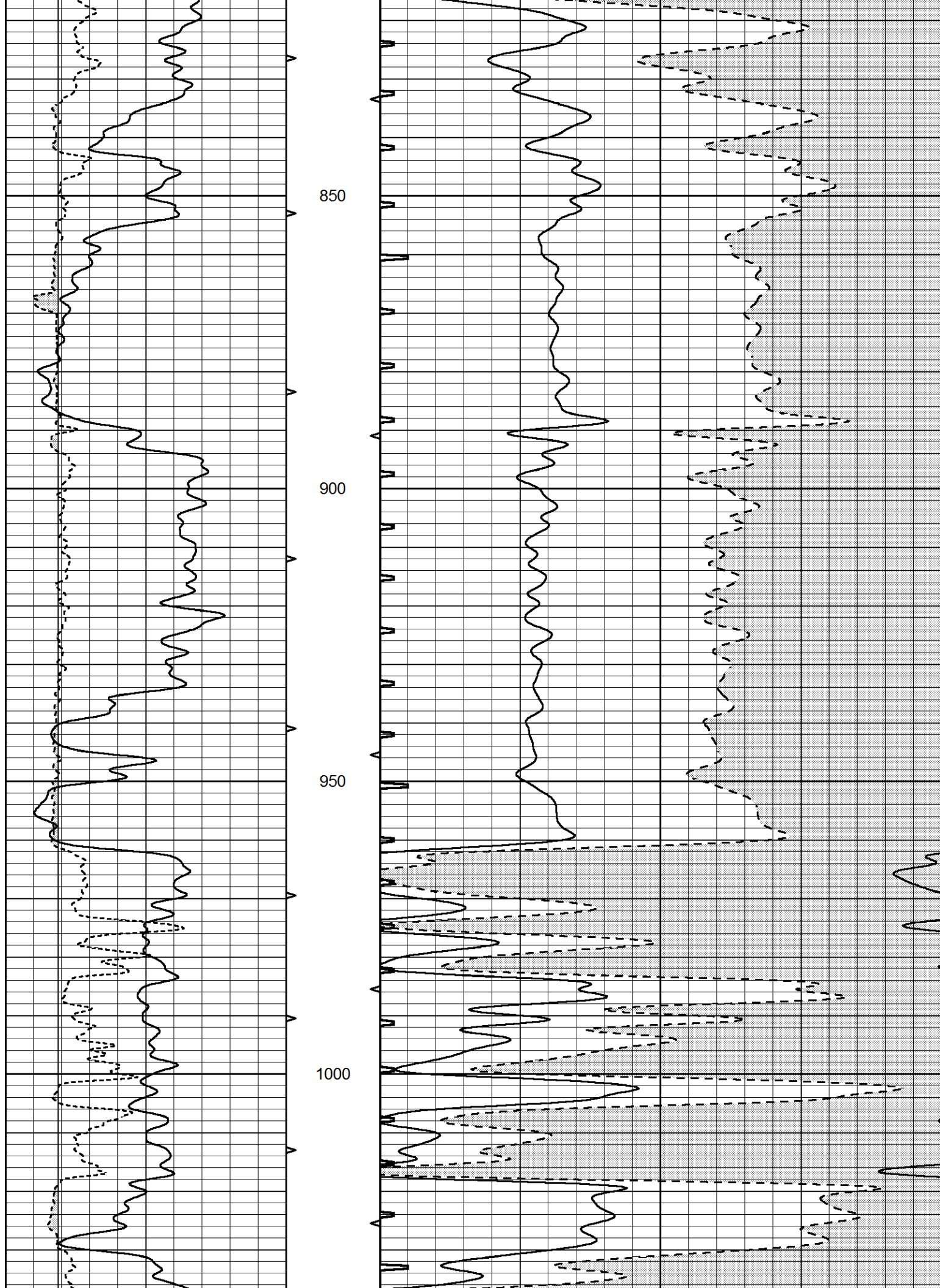
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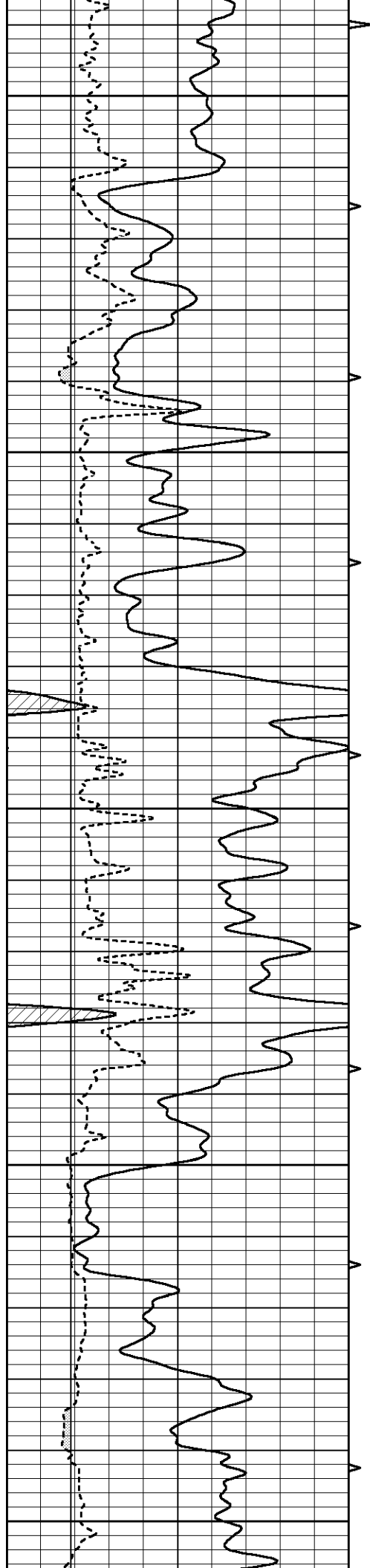
0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40
6	CALIPER (in)	16	10 (ft3) 0	30	SONIC POROSITY (pu)	-10
			TBHV	0	ITT (msec)	20
			0 (ft3) 10			











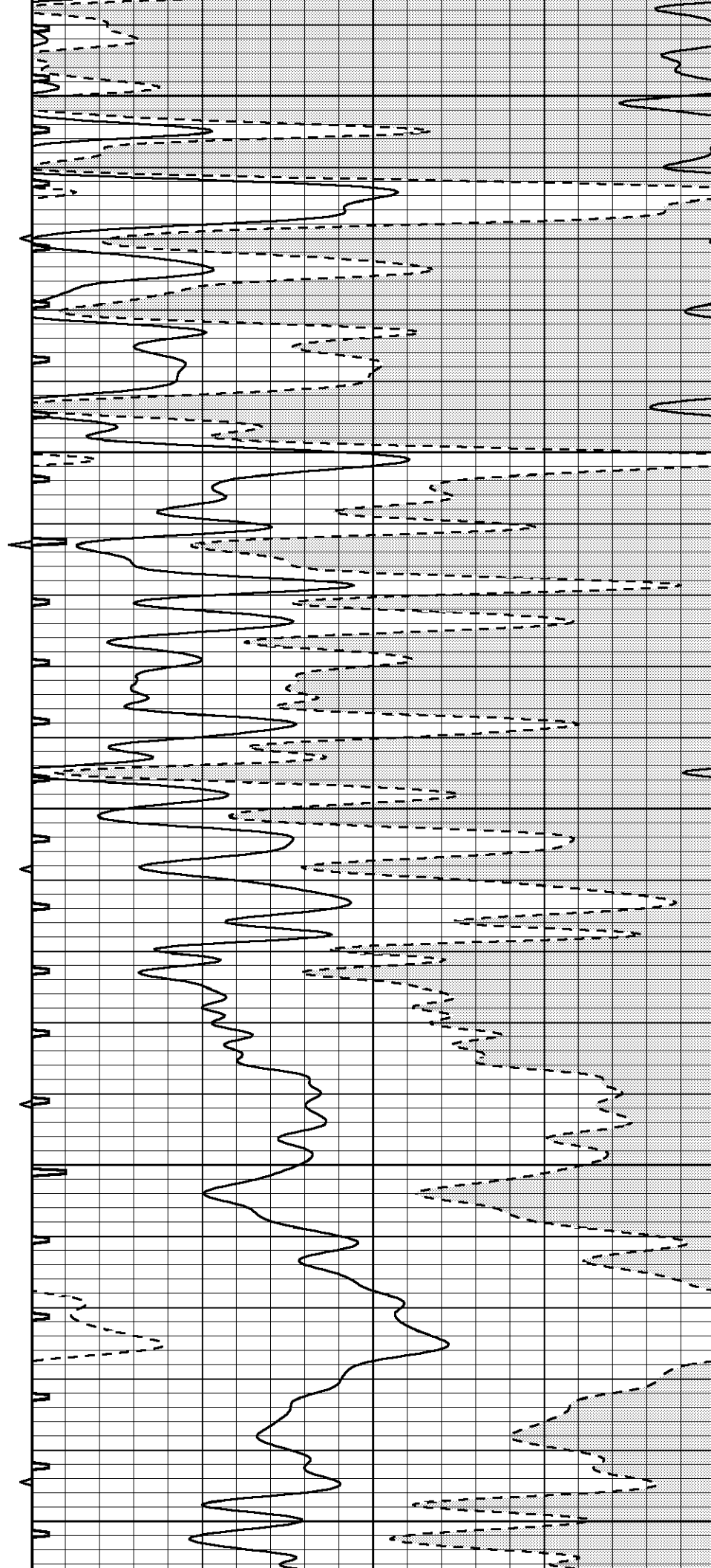
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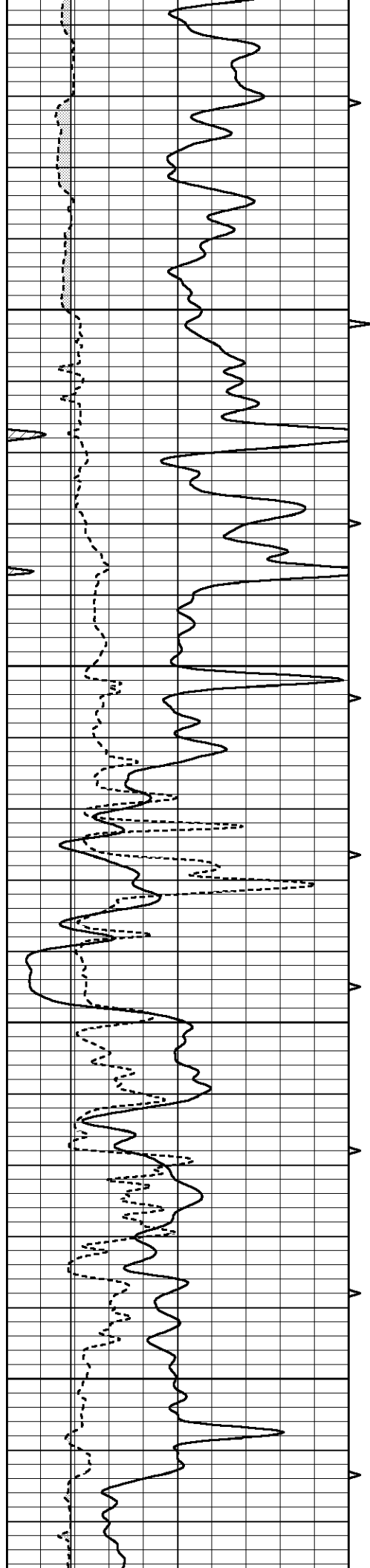
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1200

1250



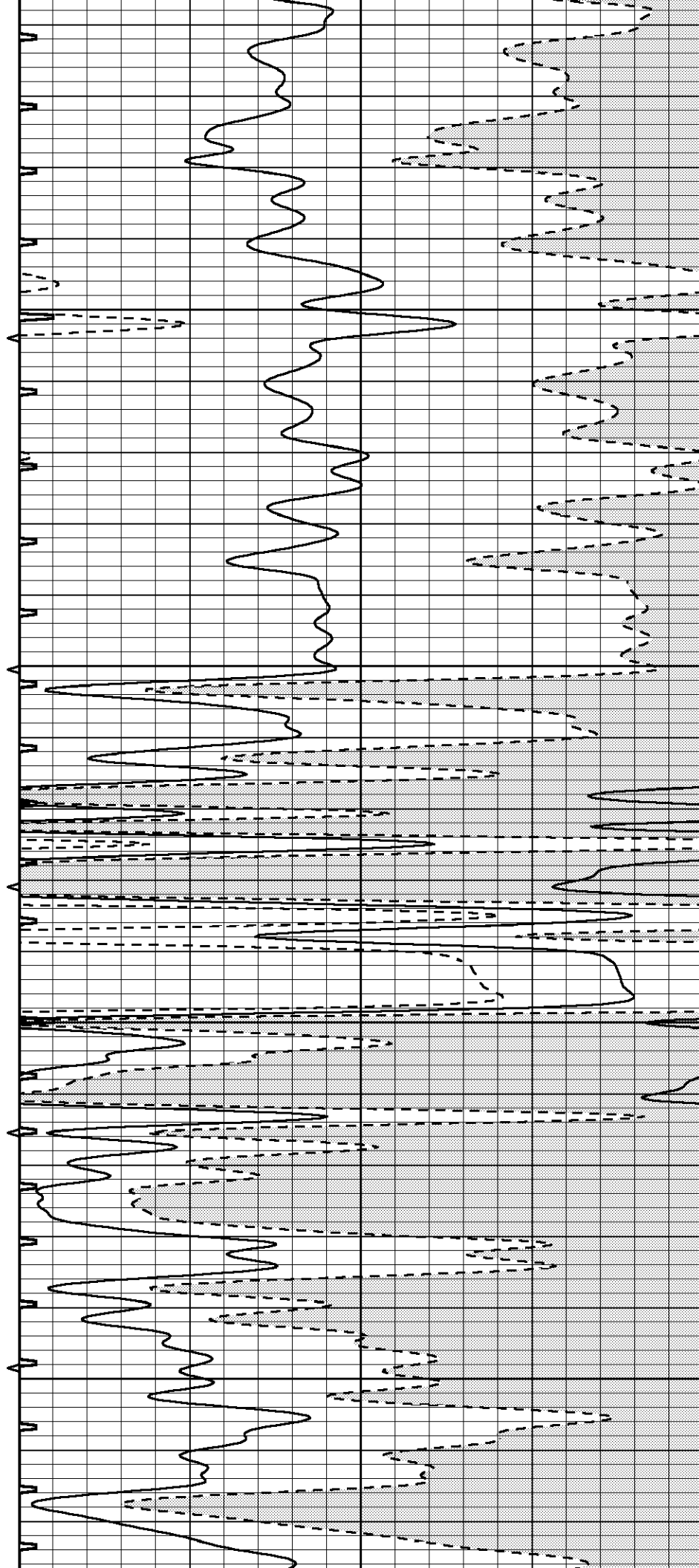


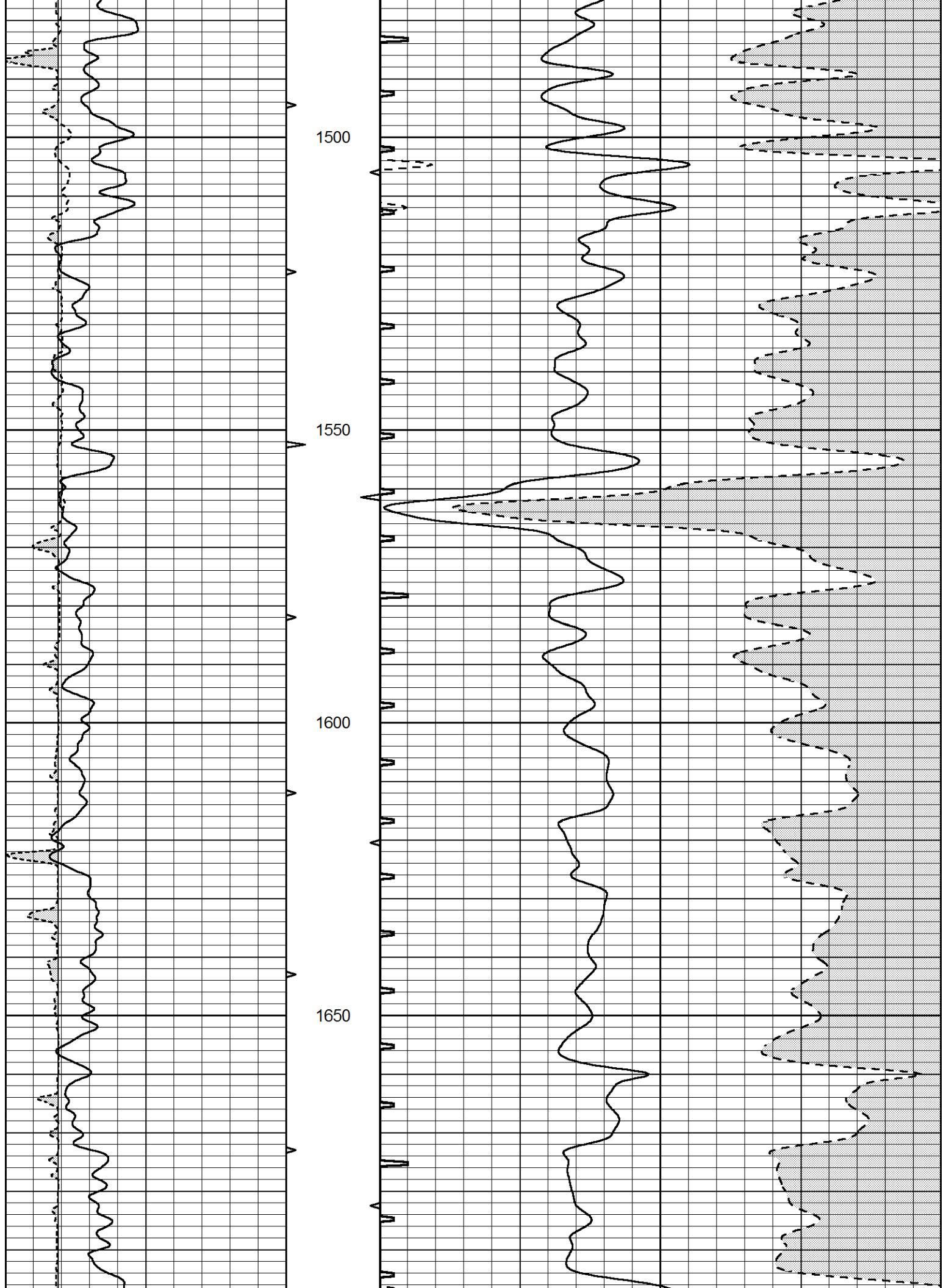
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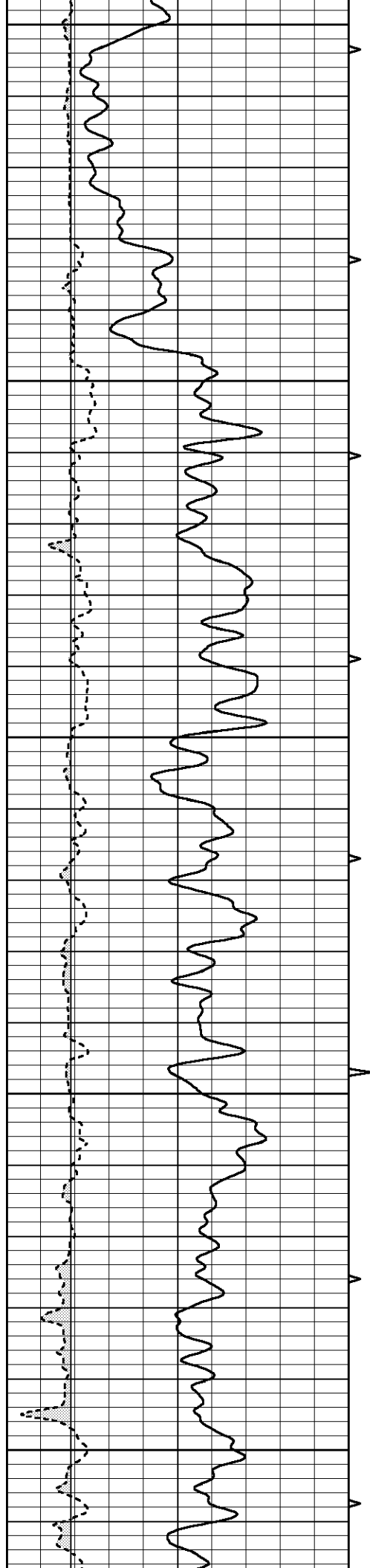
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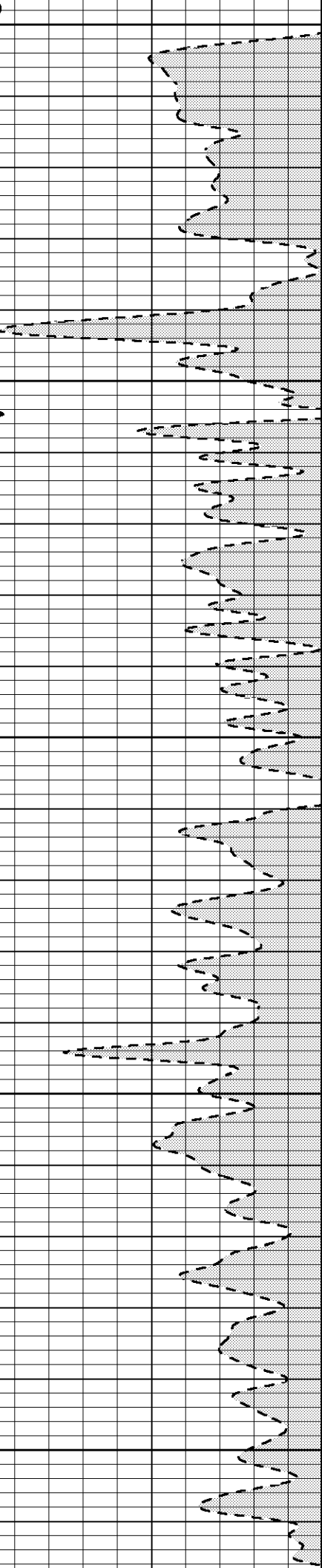
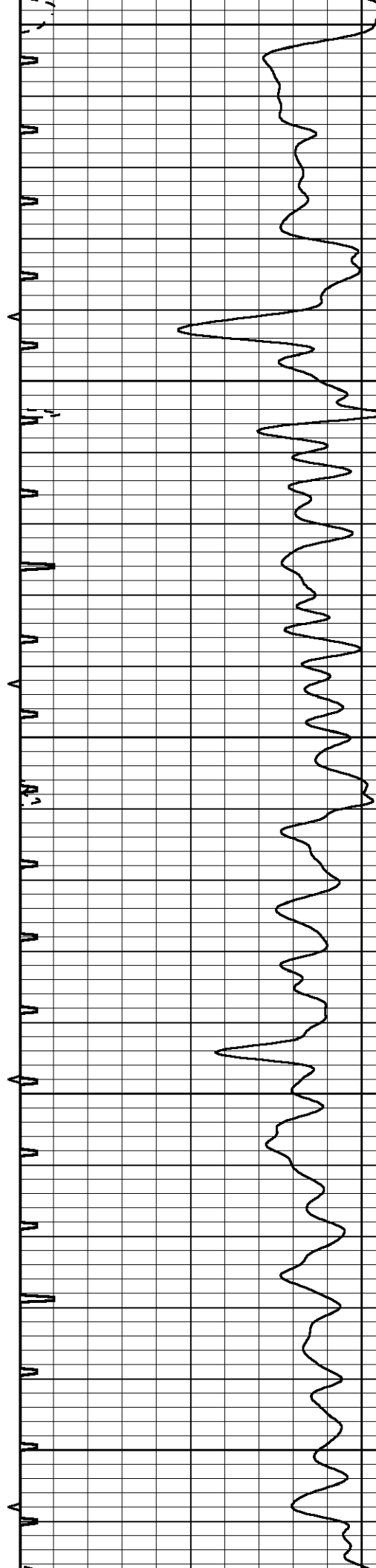
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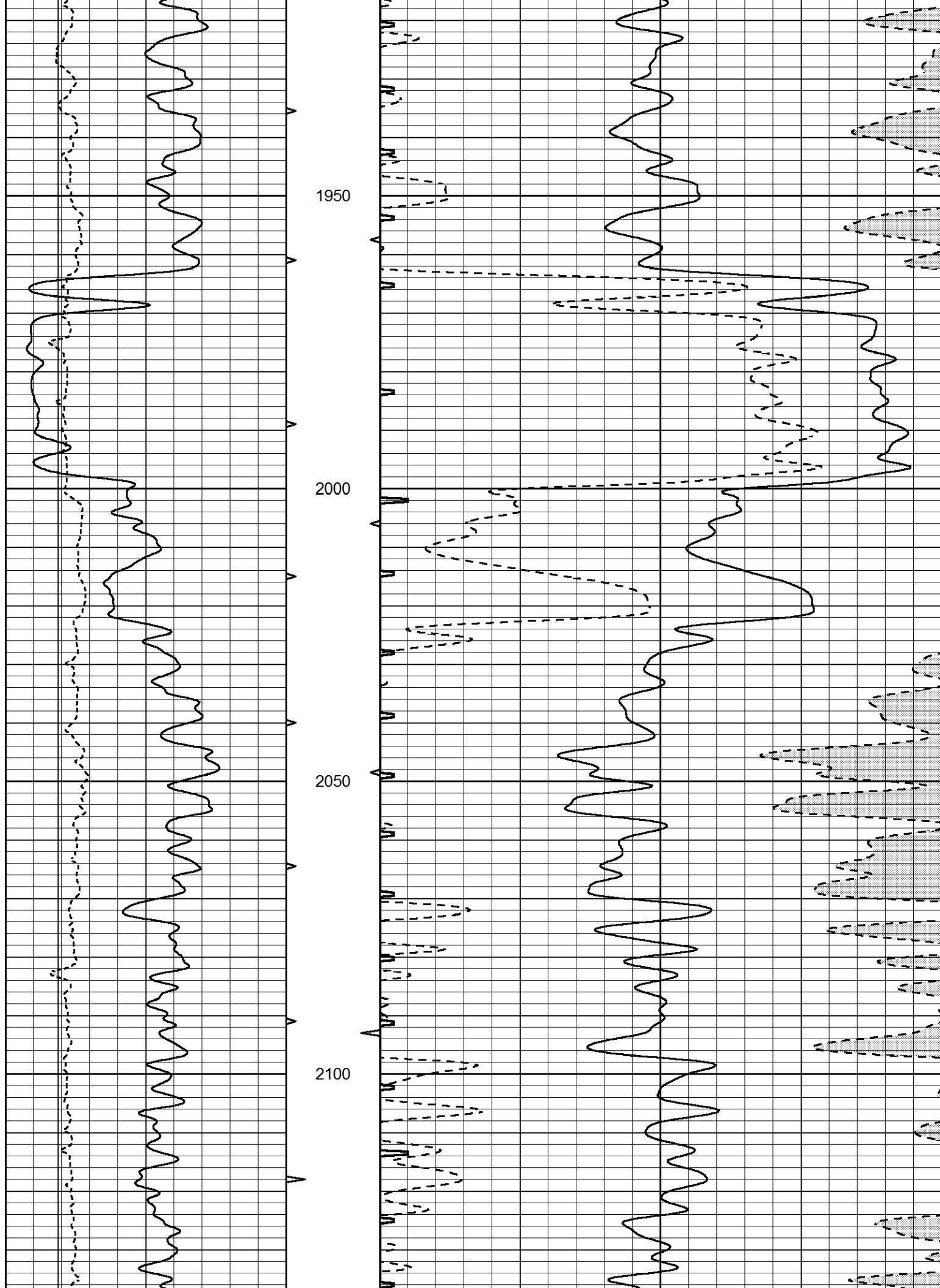
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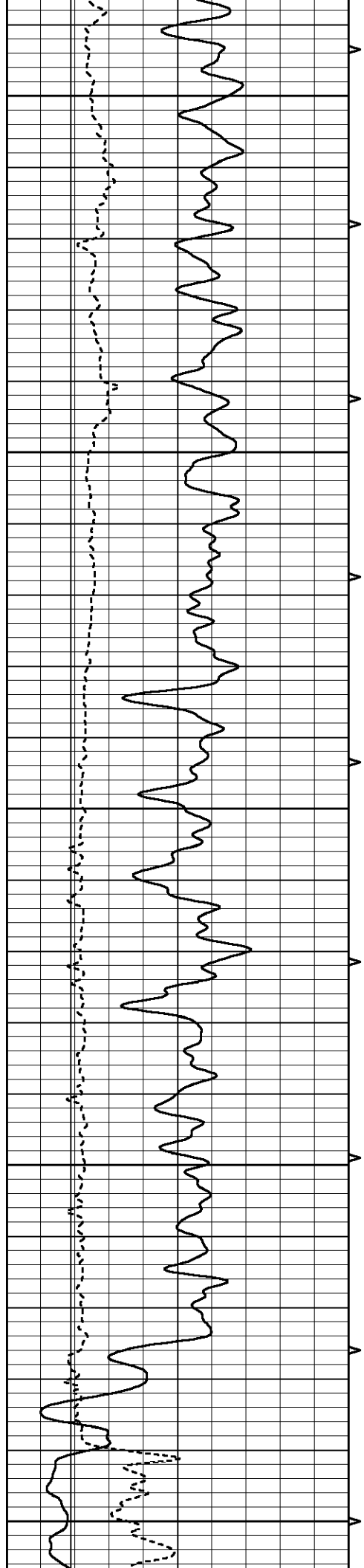
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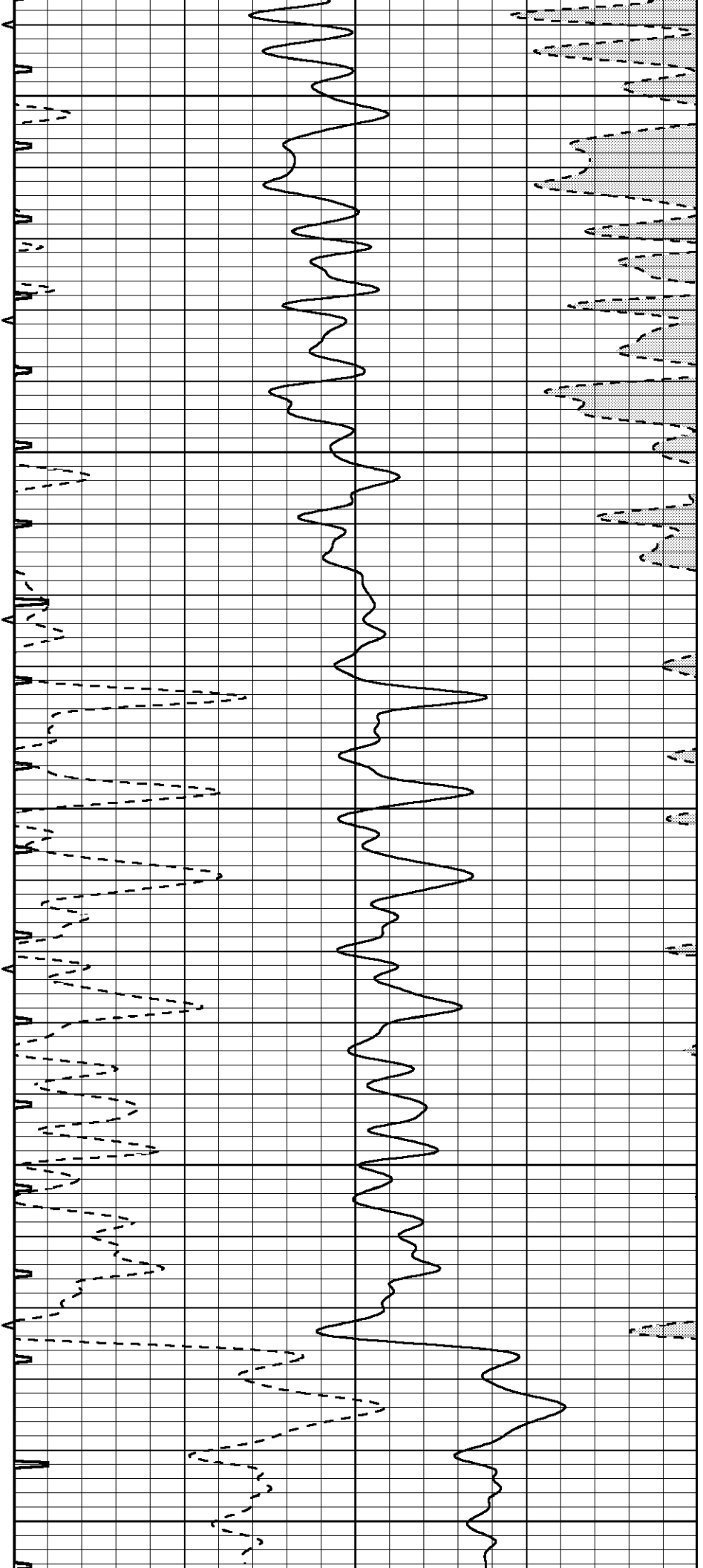
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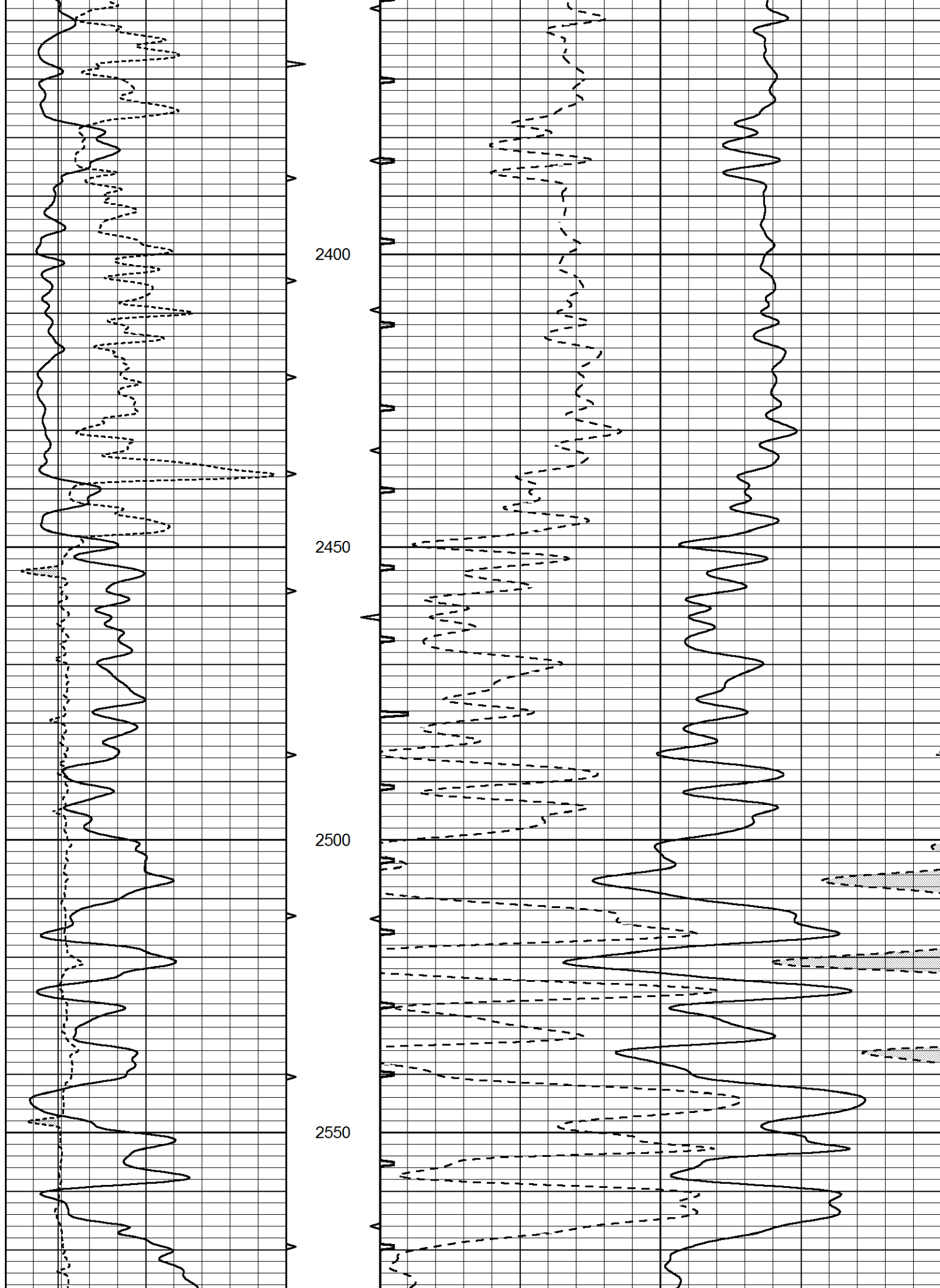
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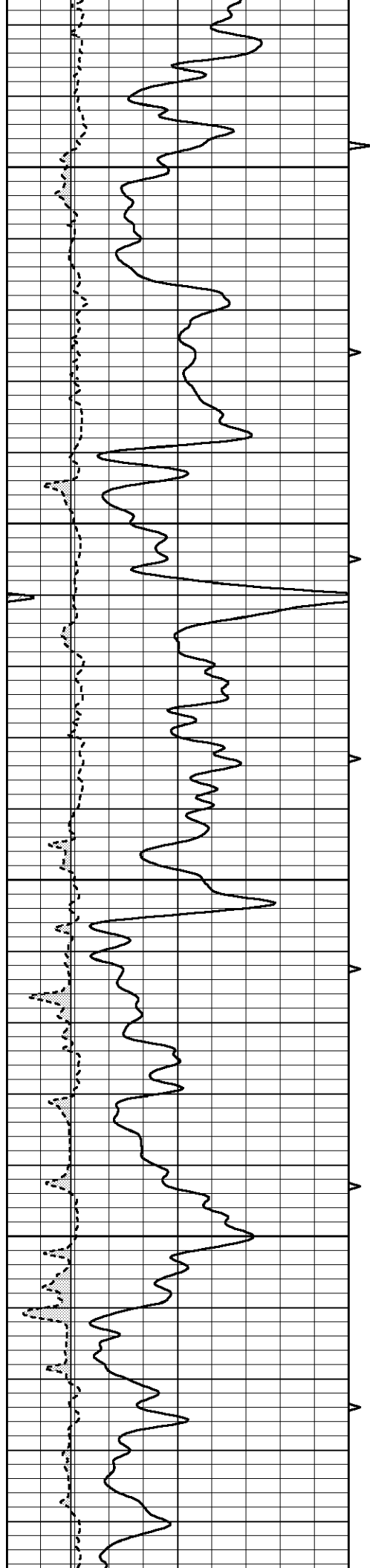
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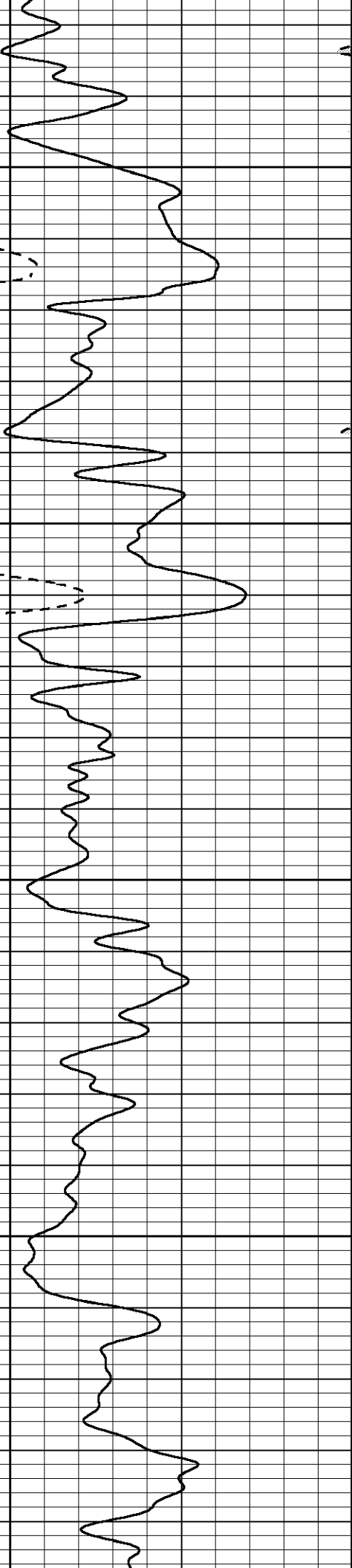
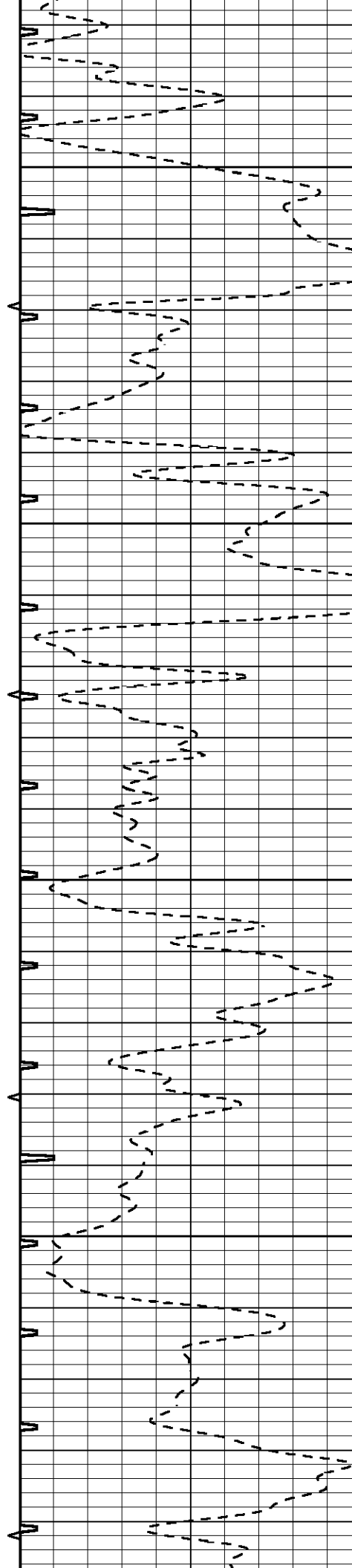


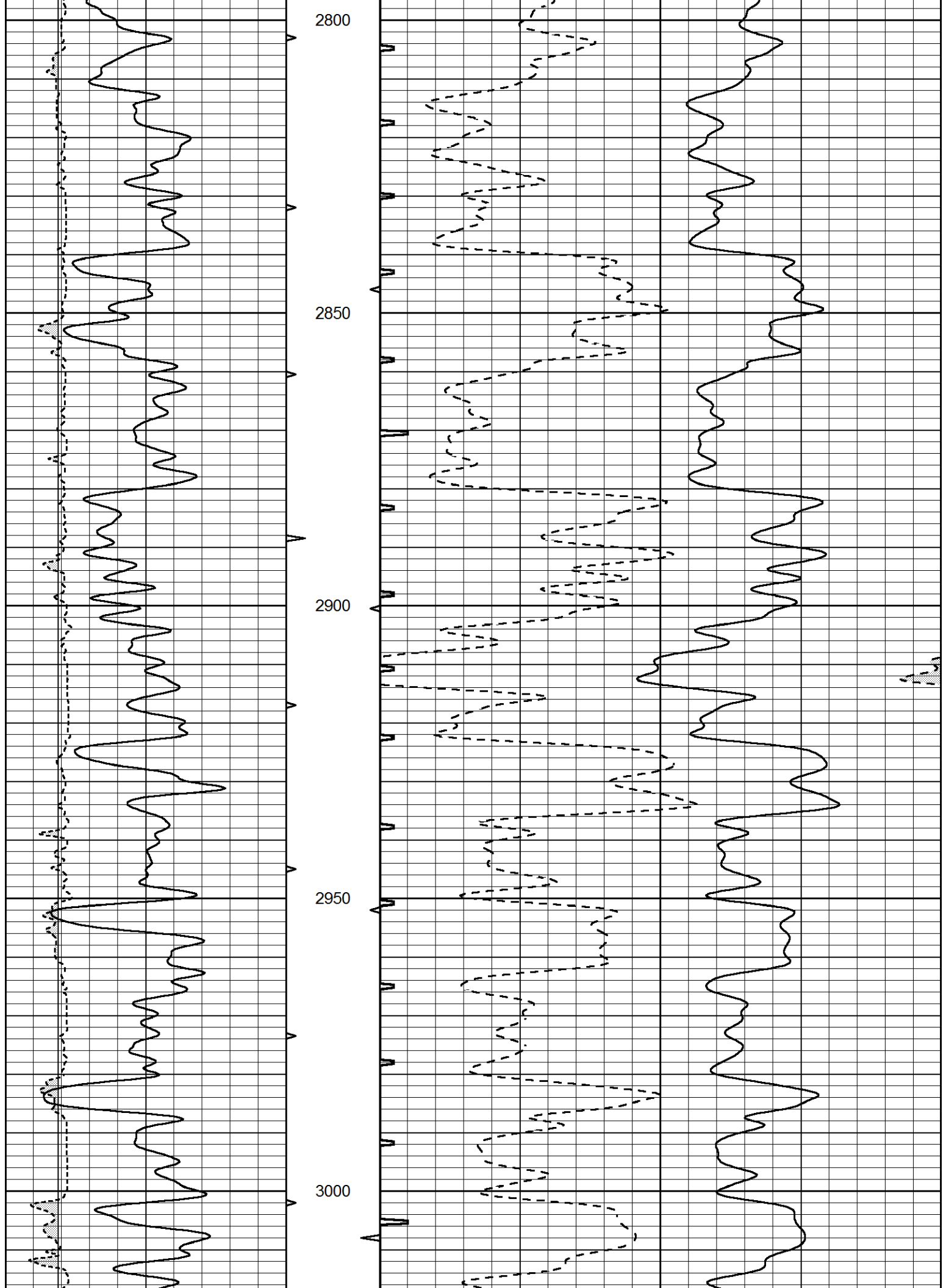
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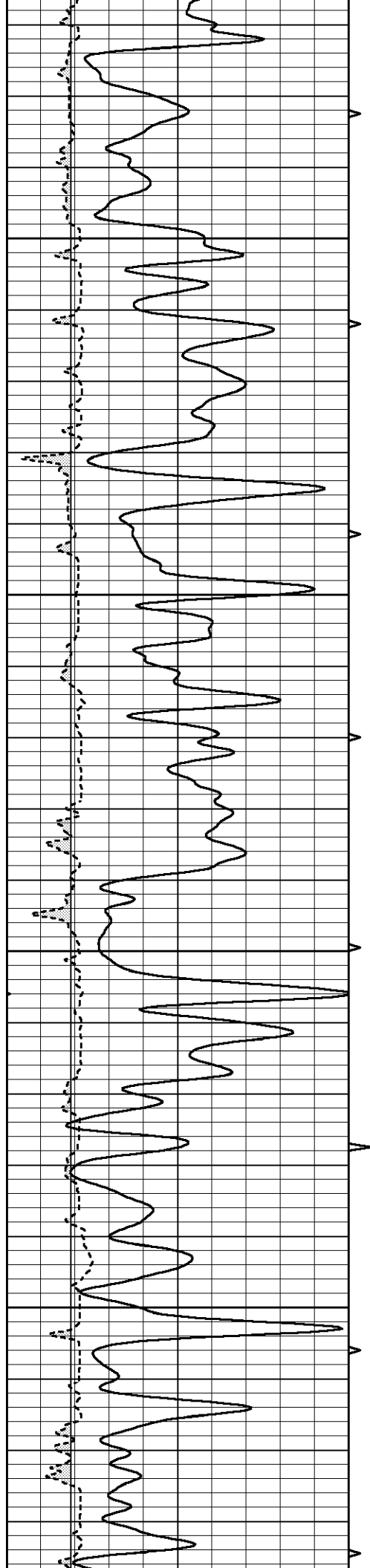
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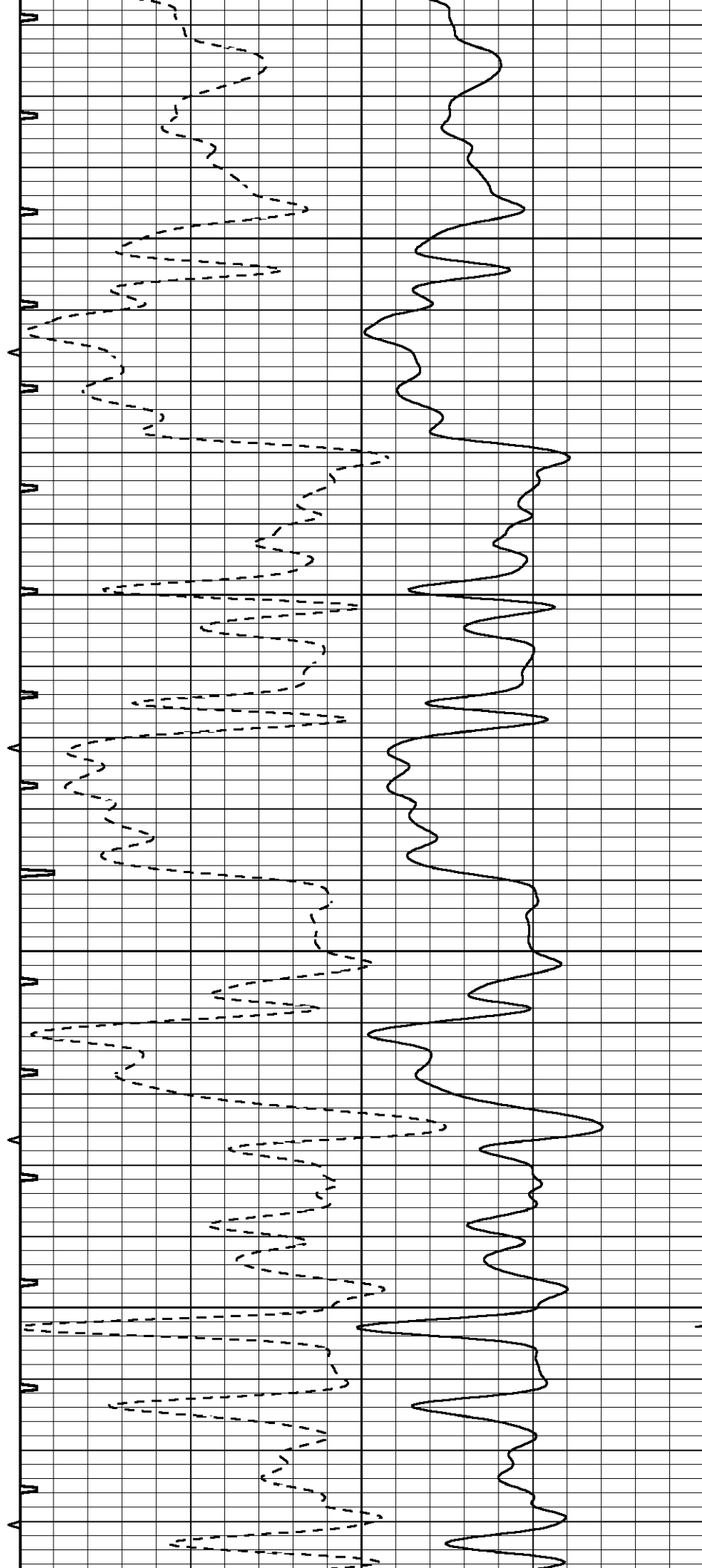


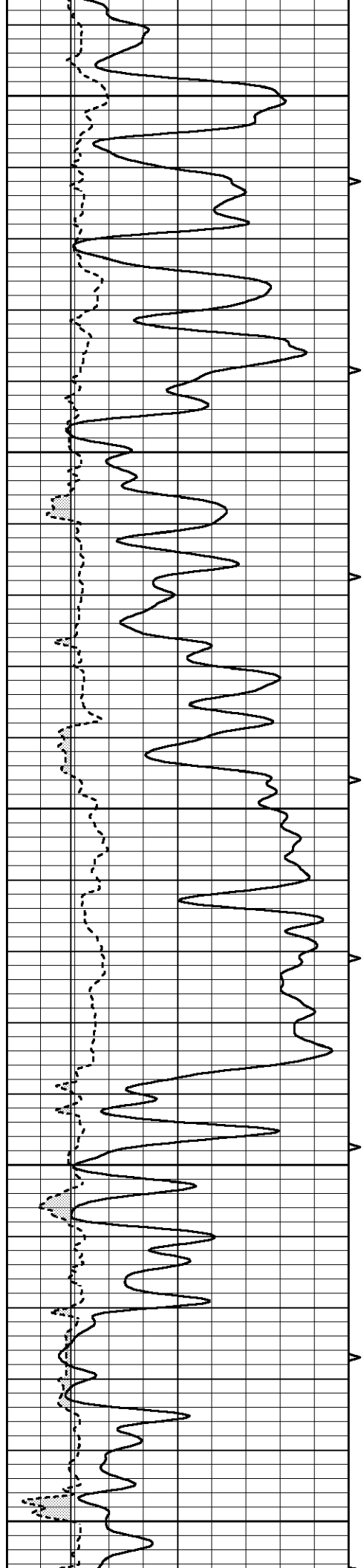
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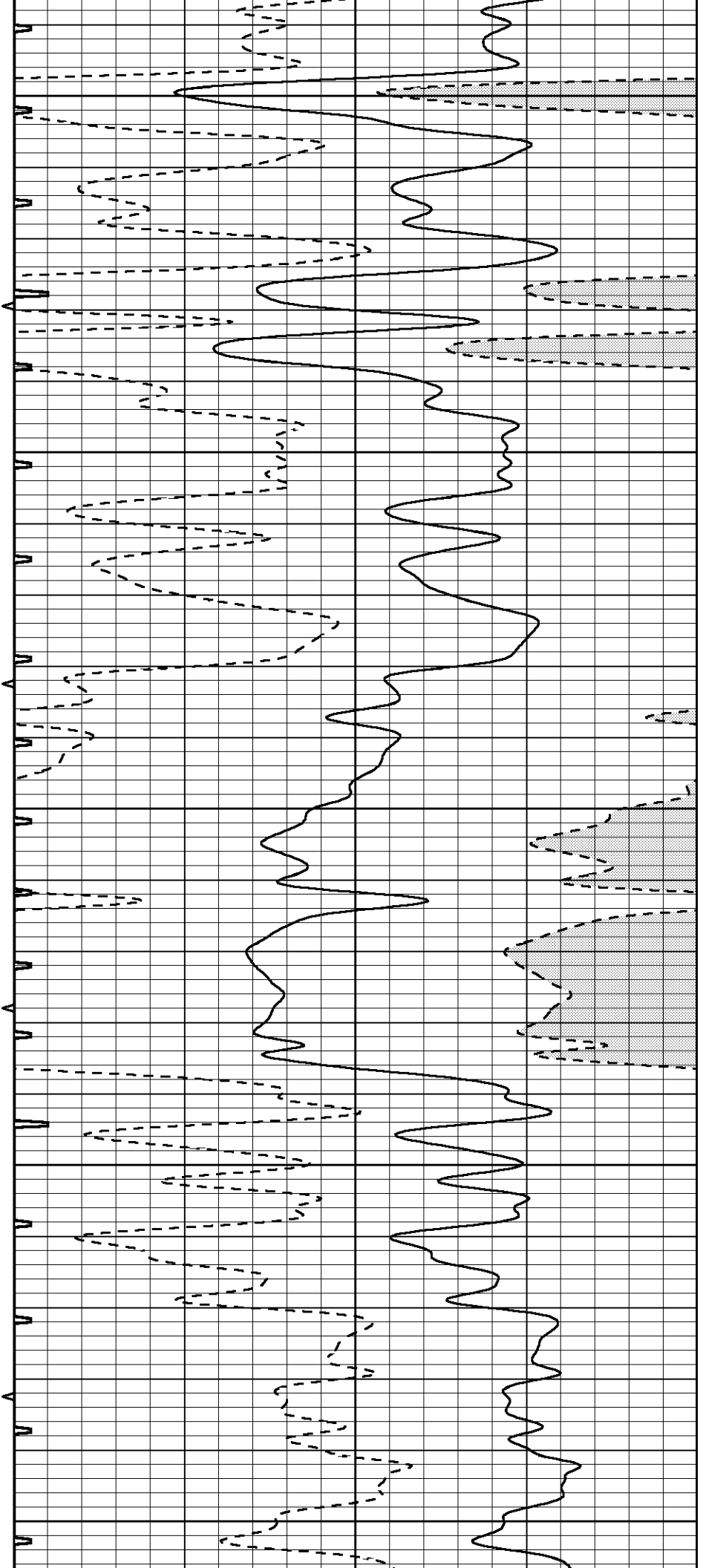
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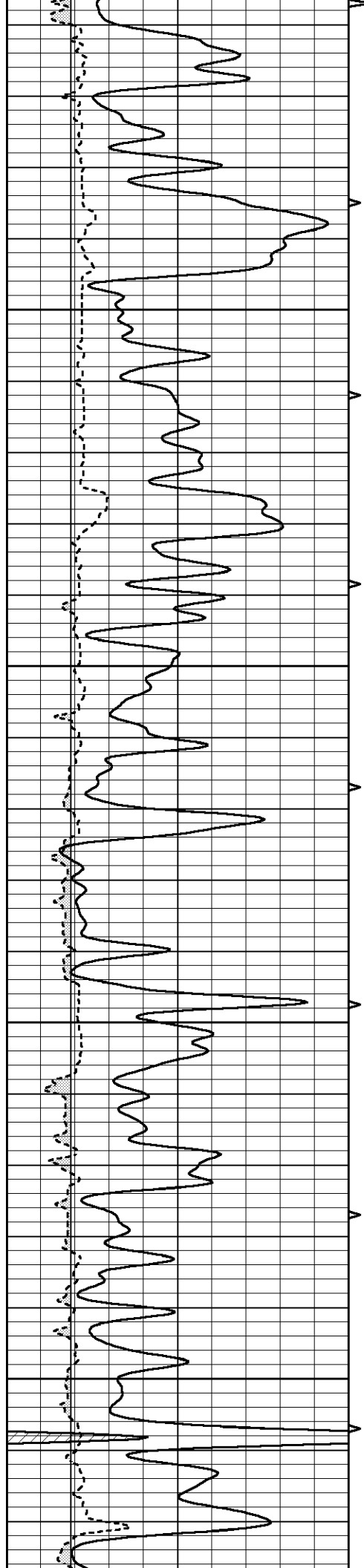
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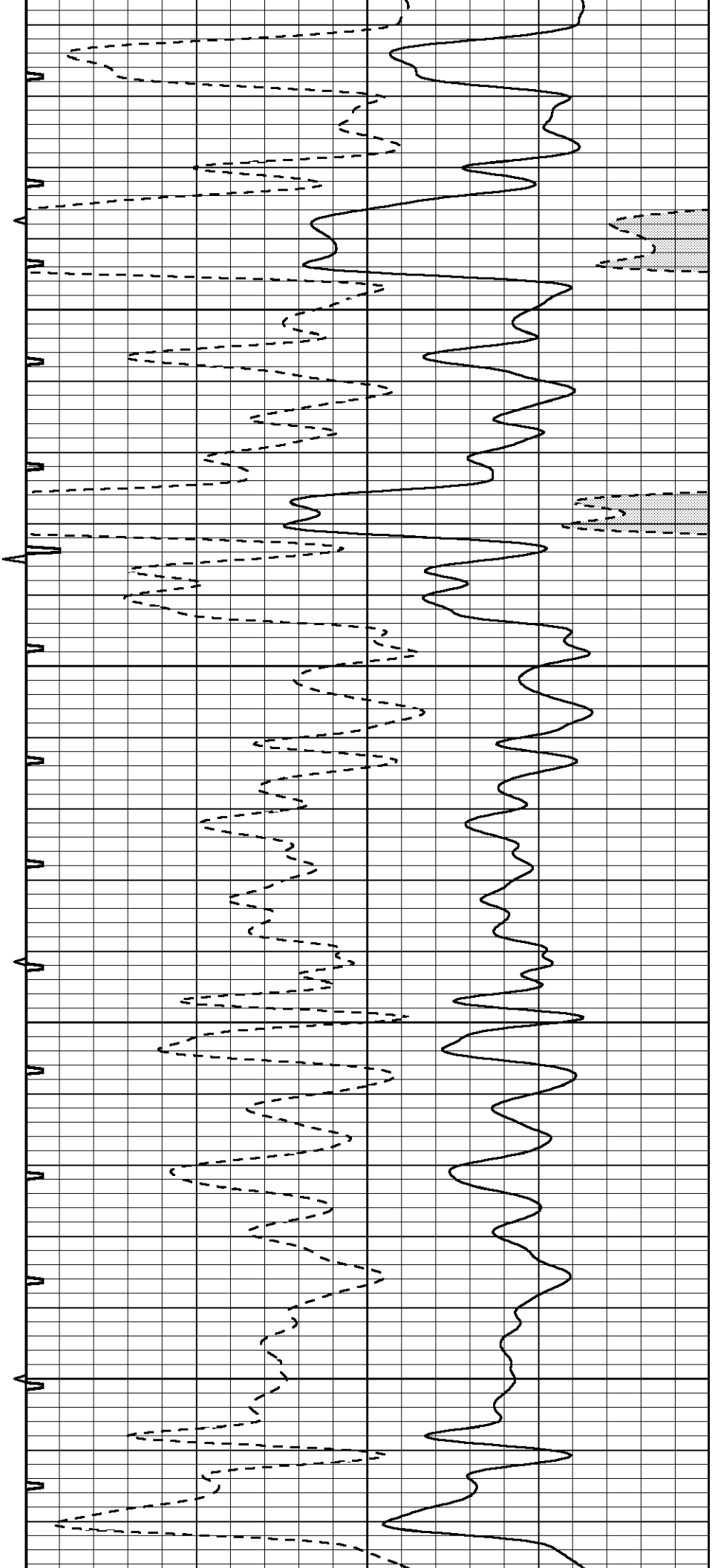


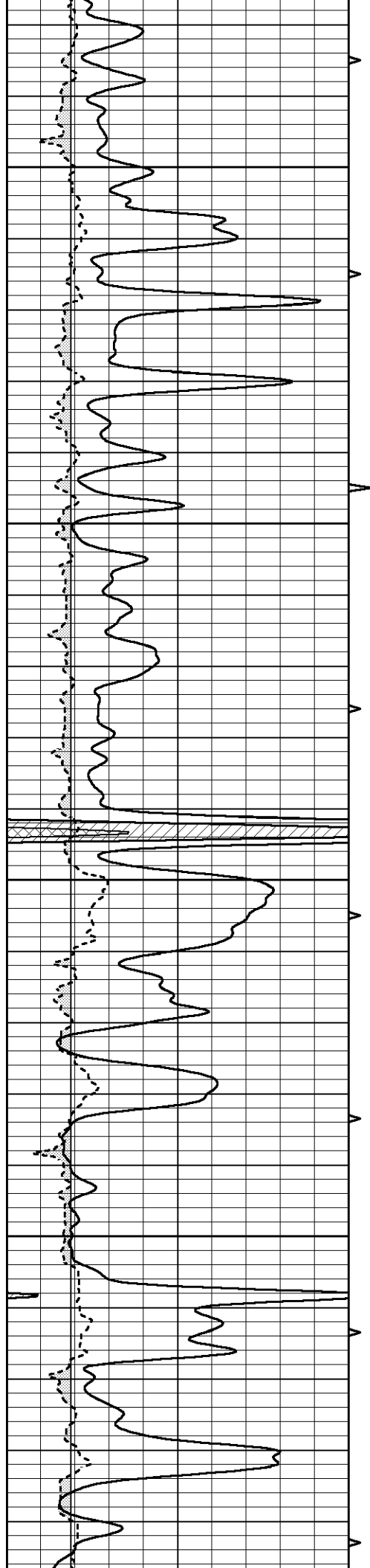
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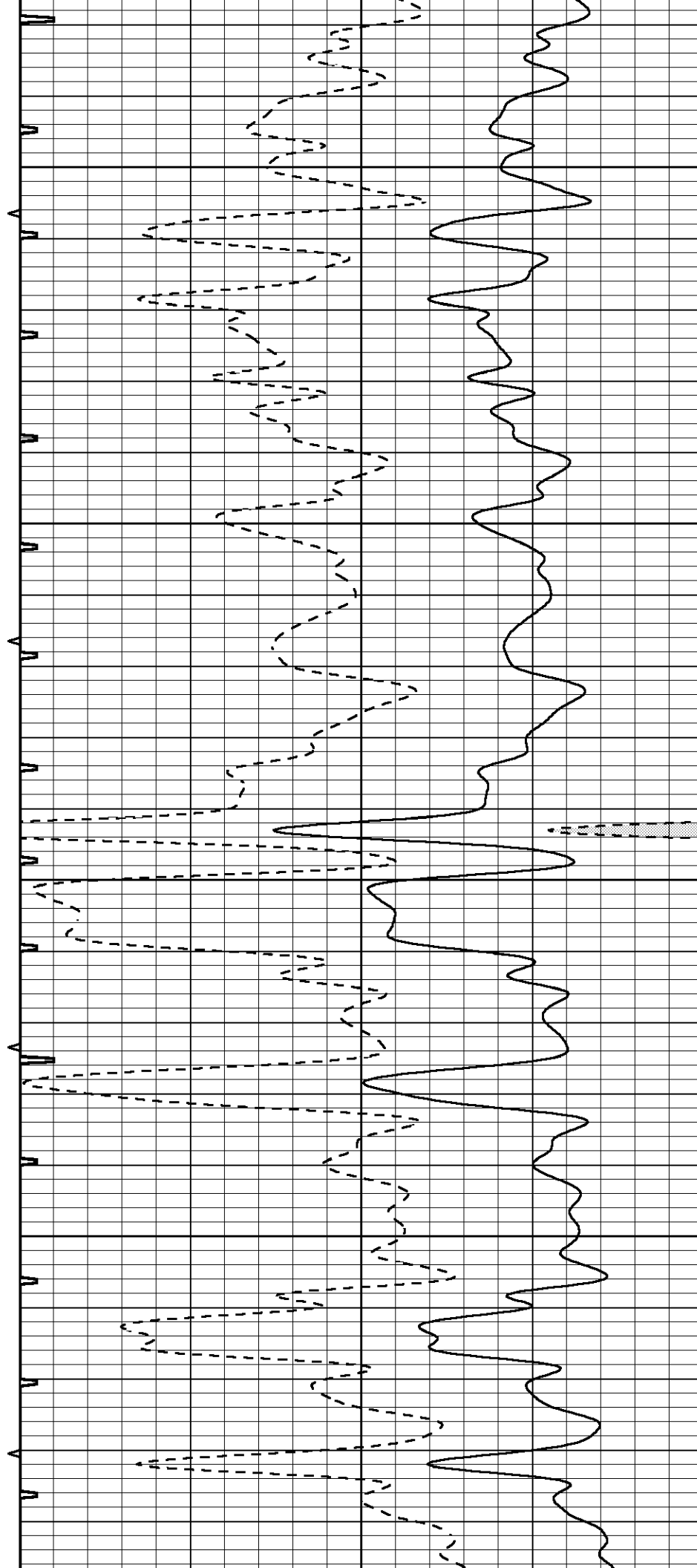


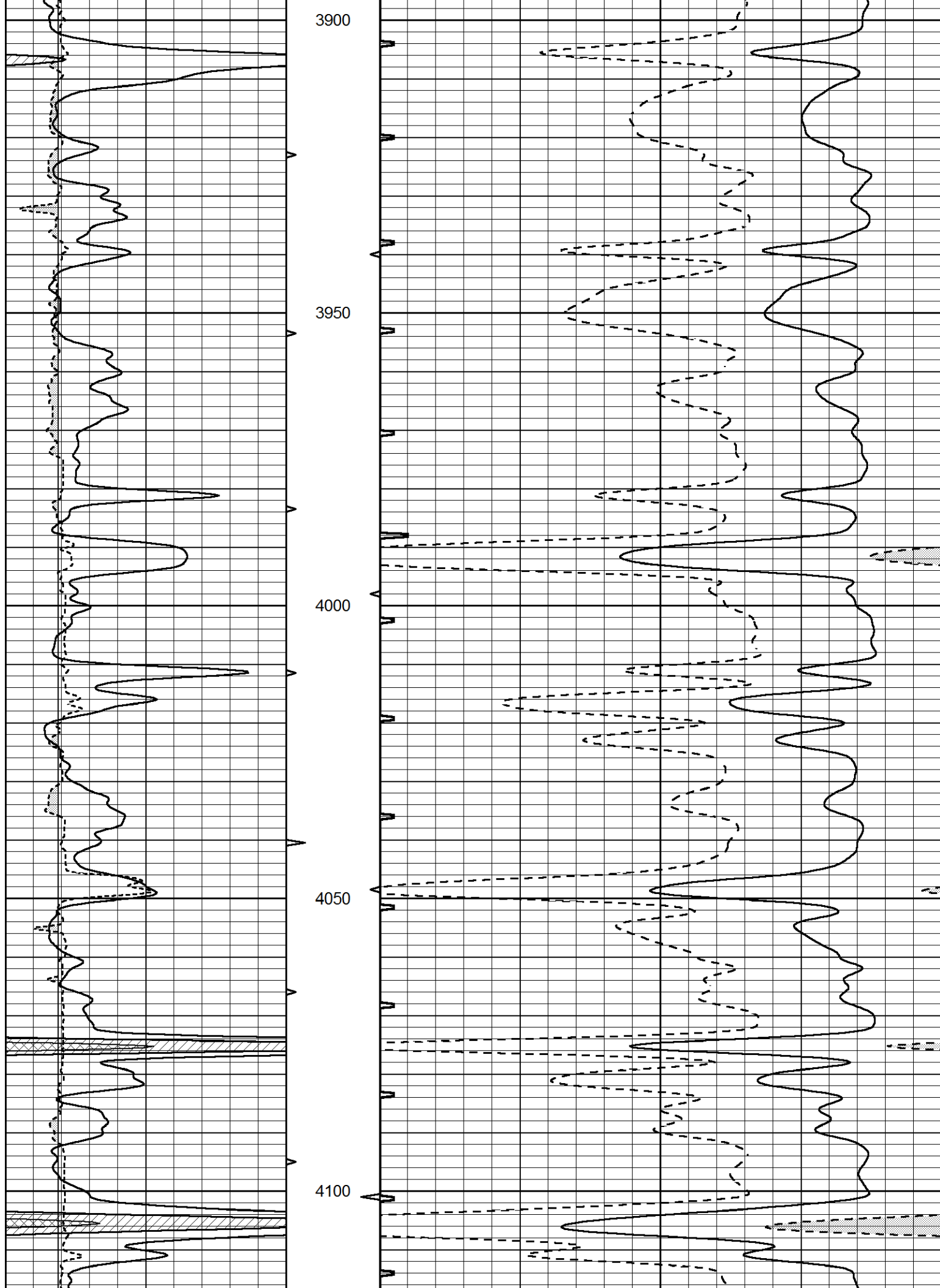
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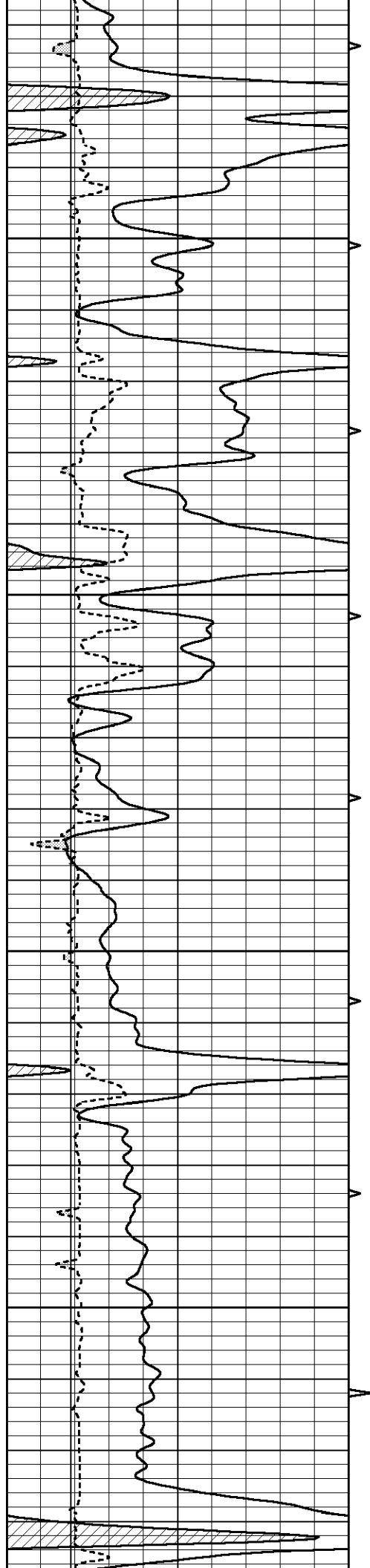
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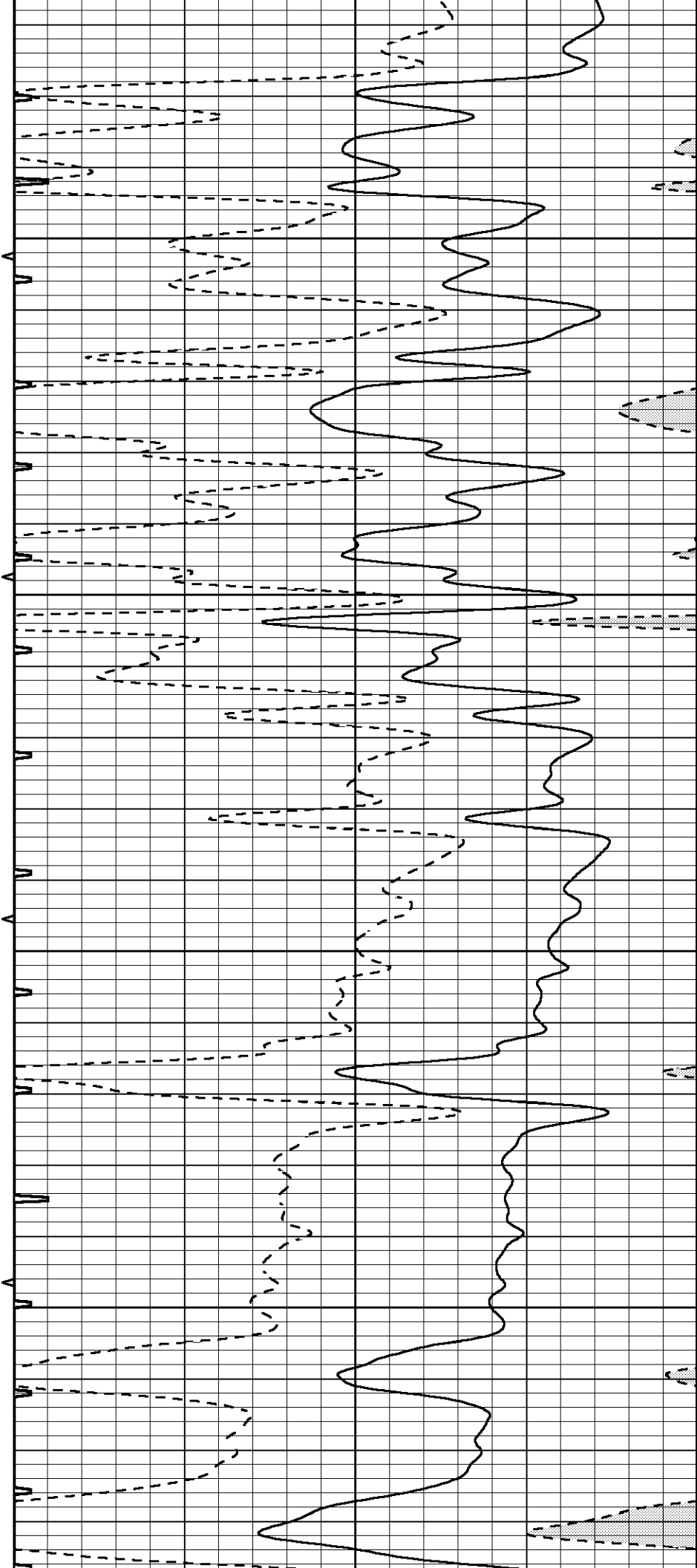


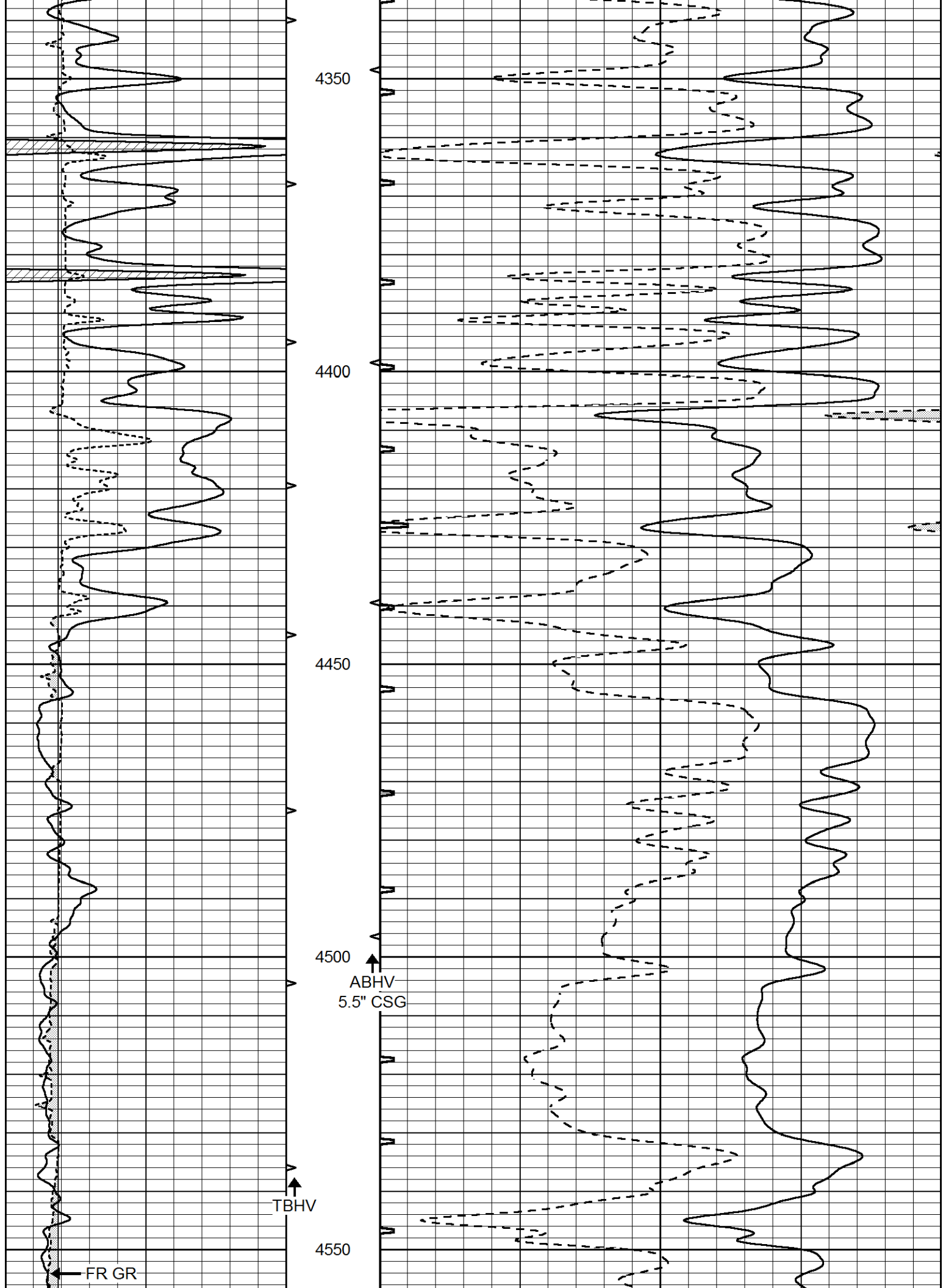
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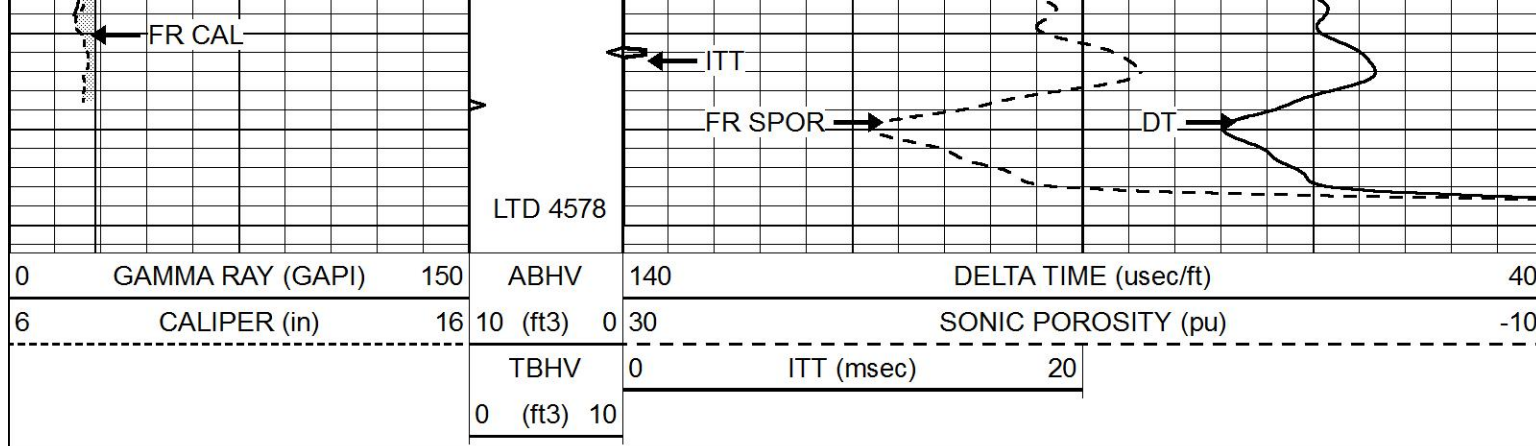
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REPEAT SECTION

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