

SONIC LOG

Company ARP OPERATING, LLC.

Well BRADSHAW #1-33

Field WILDCAT

County THOMAS State KANSAS

Location: API #: 15-193-21089-0000

500' FNL & 595' FWL
SE - NW - NW - NW

Other Services
CDL/CNL/PE
DIL/MEL

SEC 33 TWP 10S RGE 32W

Permanent Datum GROUND LEVEL Elevation 3026
Log Measured From KELLY BUSHING 11' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation

K.B. 3037
D.F. 3035
G.L. 3026

Date 11/4/21

Run Number TWO

Depth Driller 4684

Depth Logger 4670

Bottom Logged Interval 4662

Top Log Interval 200

Casing Driller 8 5/8" @ 250'

Casing Logger 250

Bit Size 7 7/8"

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.5/50

pH / Fluid Loss 11.0/8.0

Source of Sample FLOWLINE

Rm @ Meas. Temp 1.20 @ 82F

Rmf @ Meas. Temp .900 @ 82F

Rmc @ Meas. Temp 1.44 @ 82F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .807 @ 122F

Time Circulation Stopped 4 HOURS

Time Logger on Bottom 1:15 A.M.

Maximum Recorded Temperature 122F

Equipment Number 922339

Location HAYS, KANSAS

Recorded By JEFF LUEBBERS

Witnessed By SEAN DEENIHAN

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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.

15-193-21089-0000

Comments

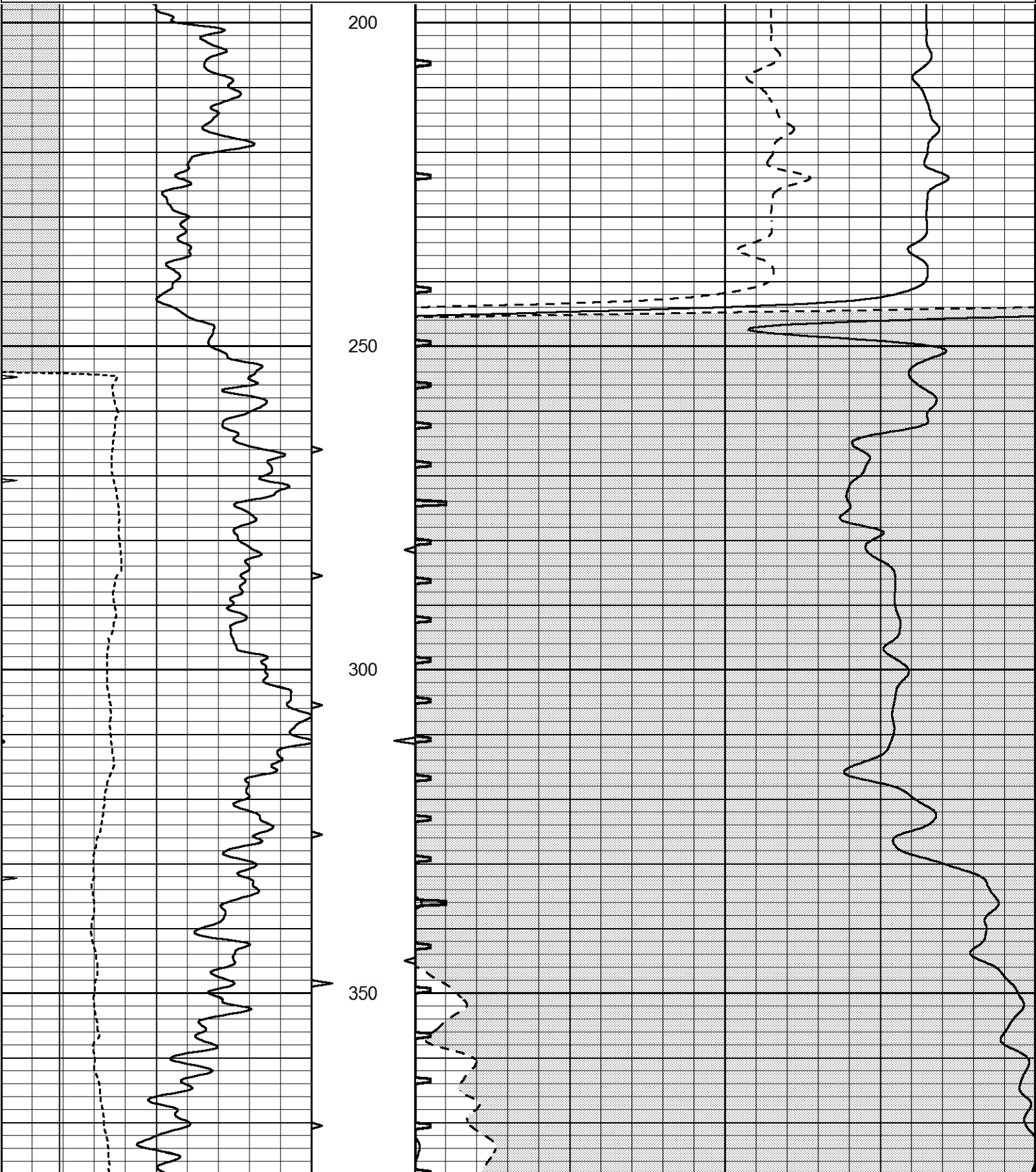
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
OAKLEY, KS., (I-70 & EXIT 70) 2S. TO "RD. C", 2W., 1S., E. INTO

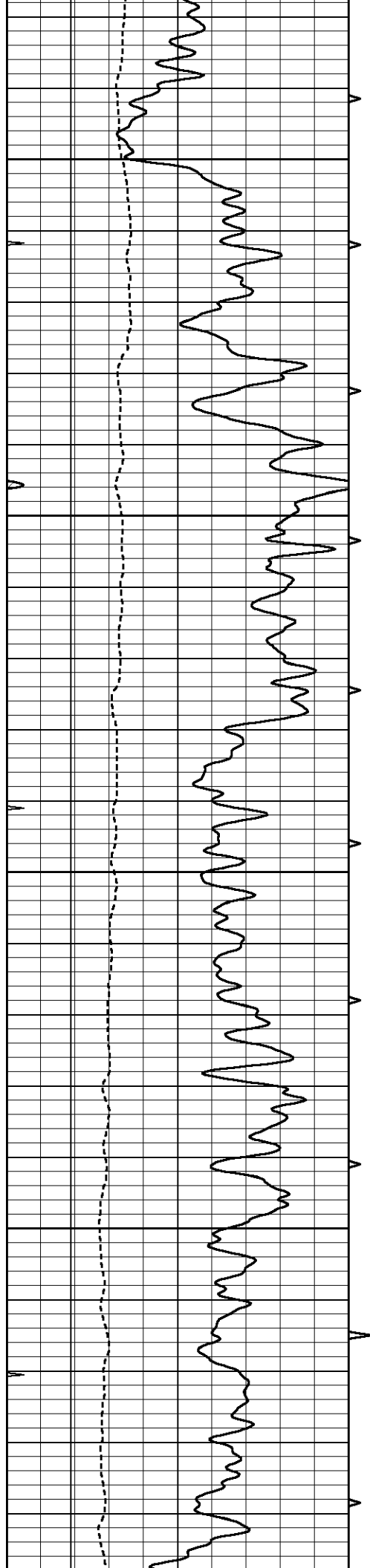


MAIN SECTION

Database File	5830pe.db
Dataset Pathname	pass6.3
Presentation Format	slt
Dataset Creation	Thu Nov 04 03:07:04 2021
Charted by	Depth in Feet scaled 1:240

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



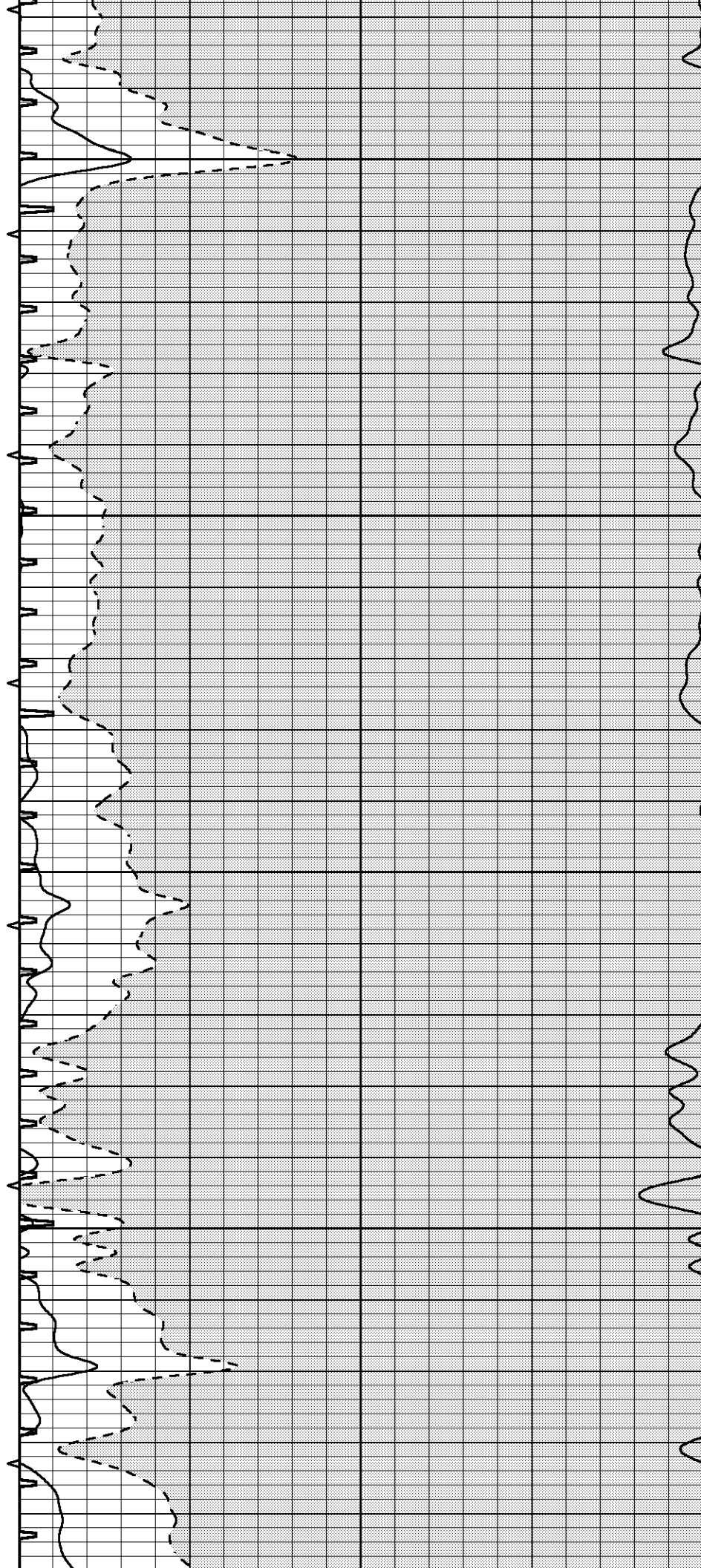


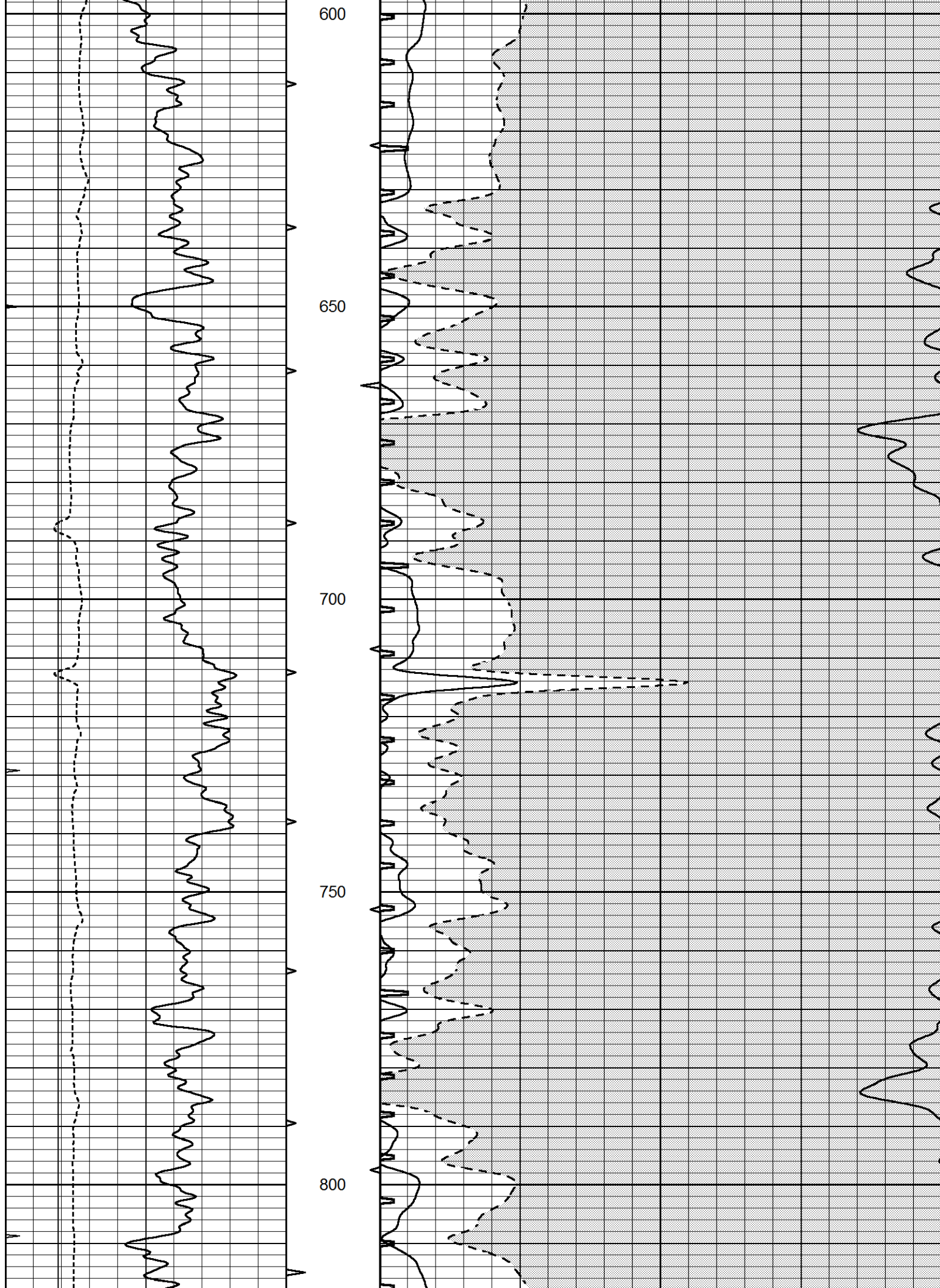
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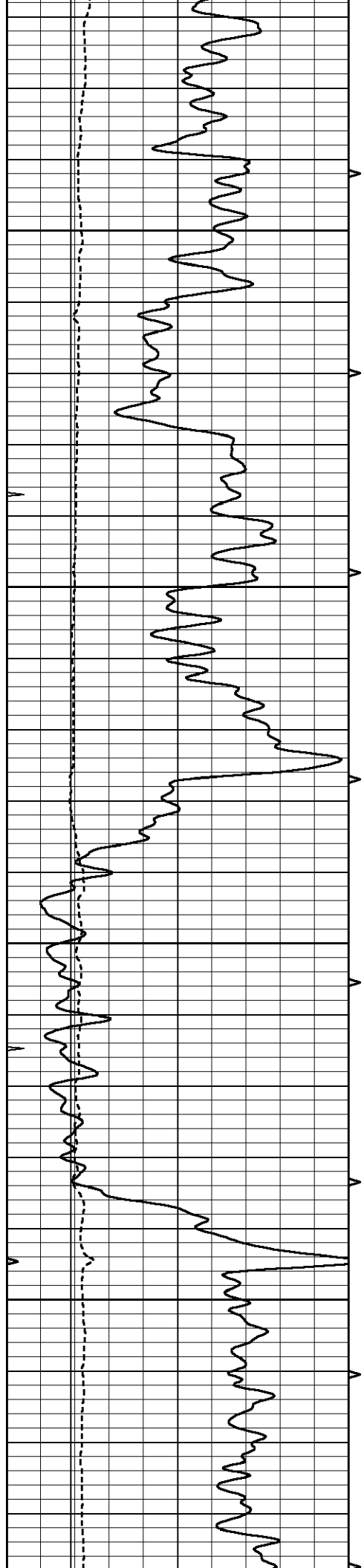
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500

550





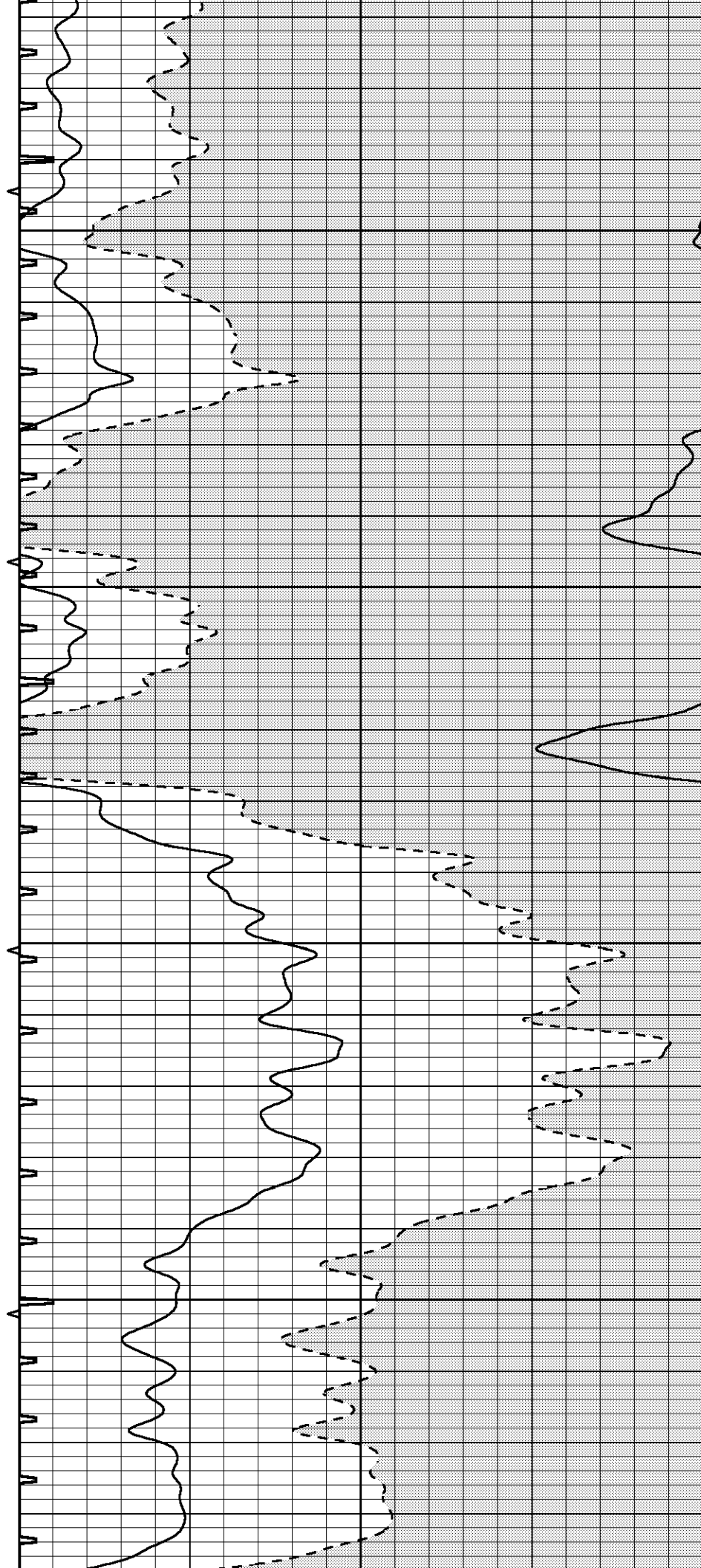


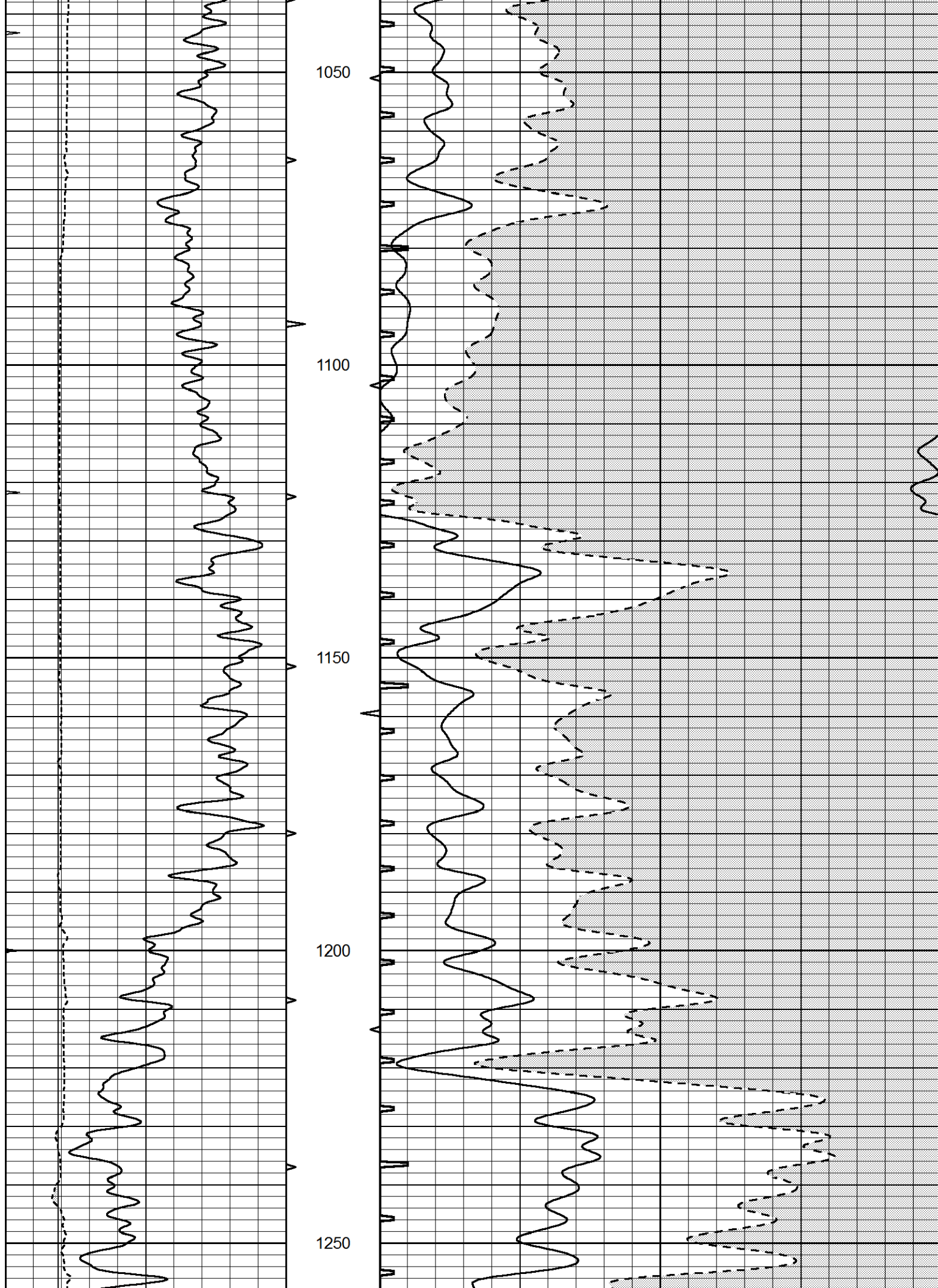
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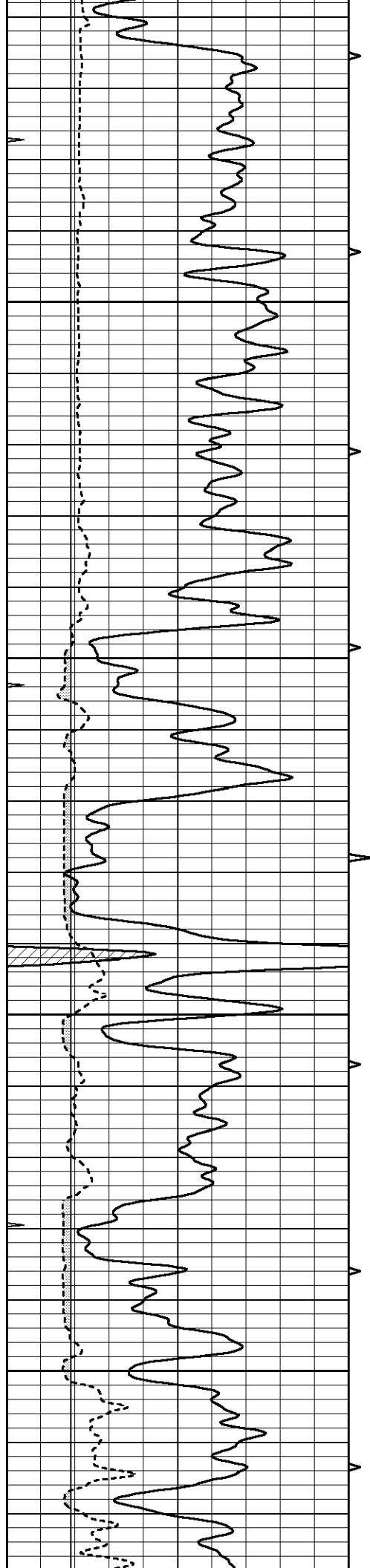
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950

1000





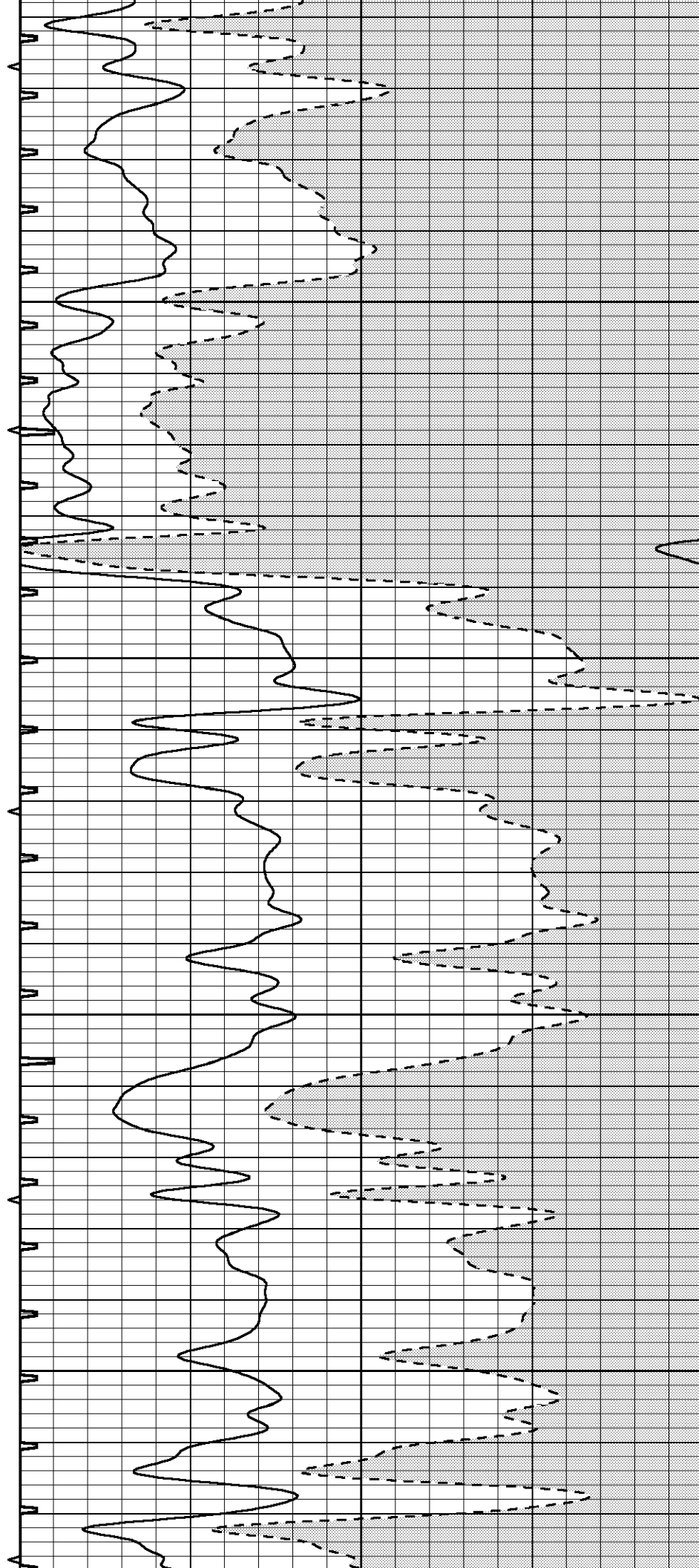


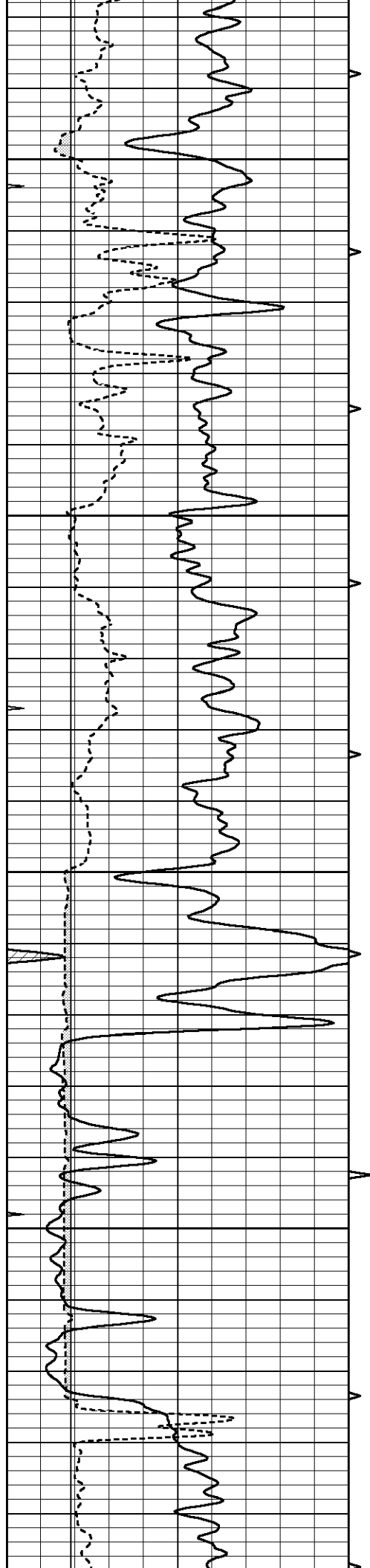
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1400

1450



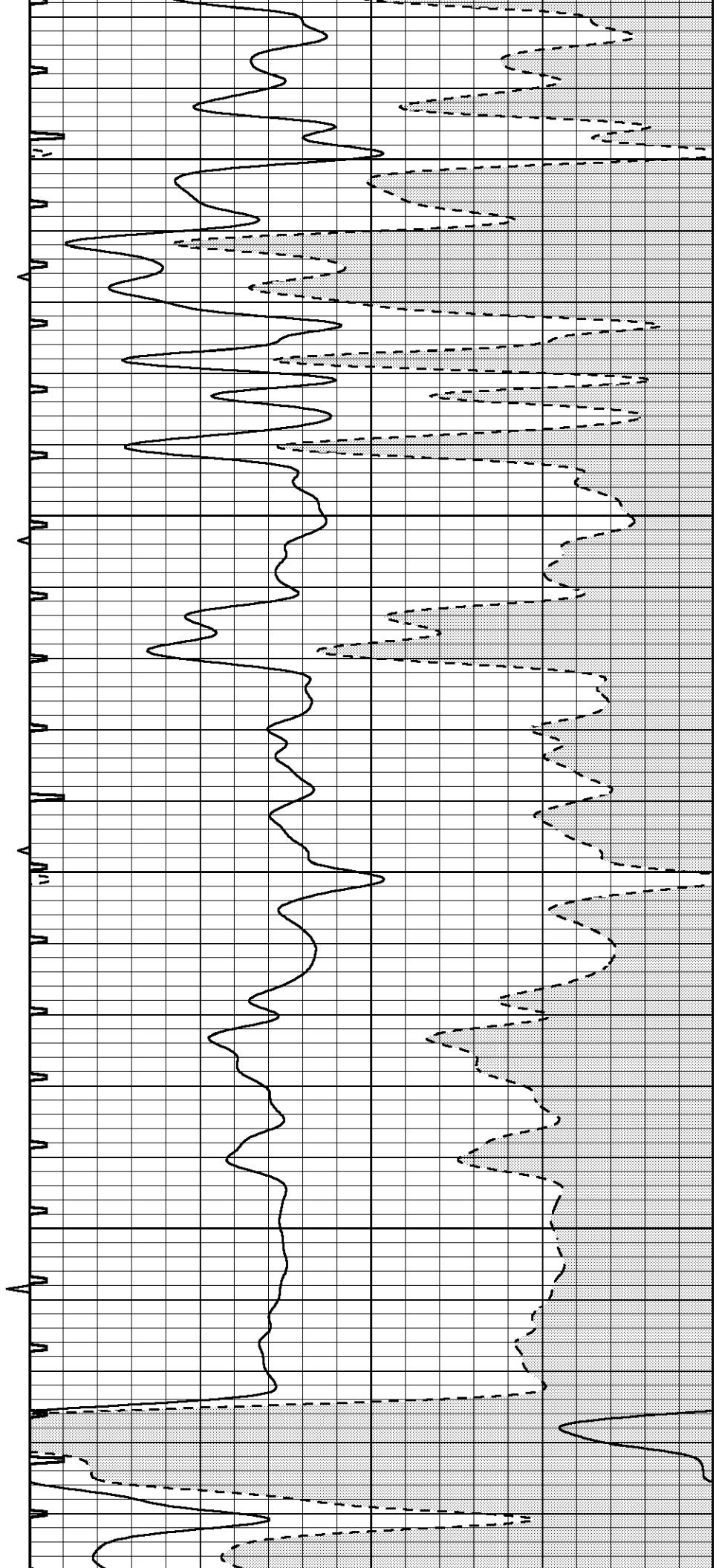


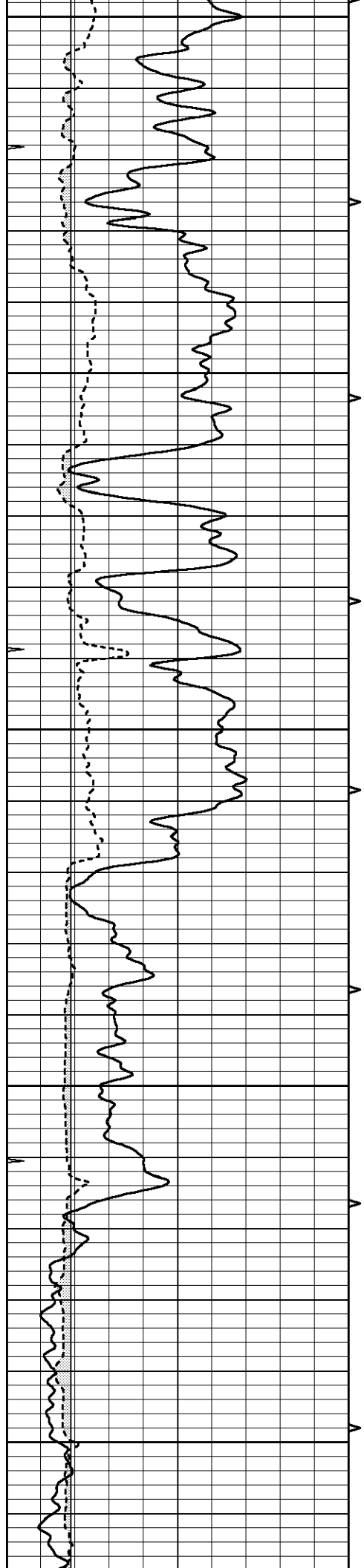
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1650





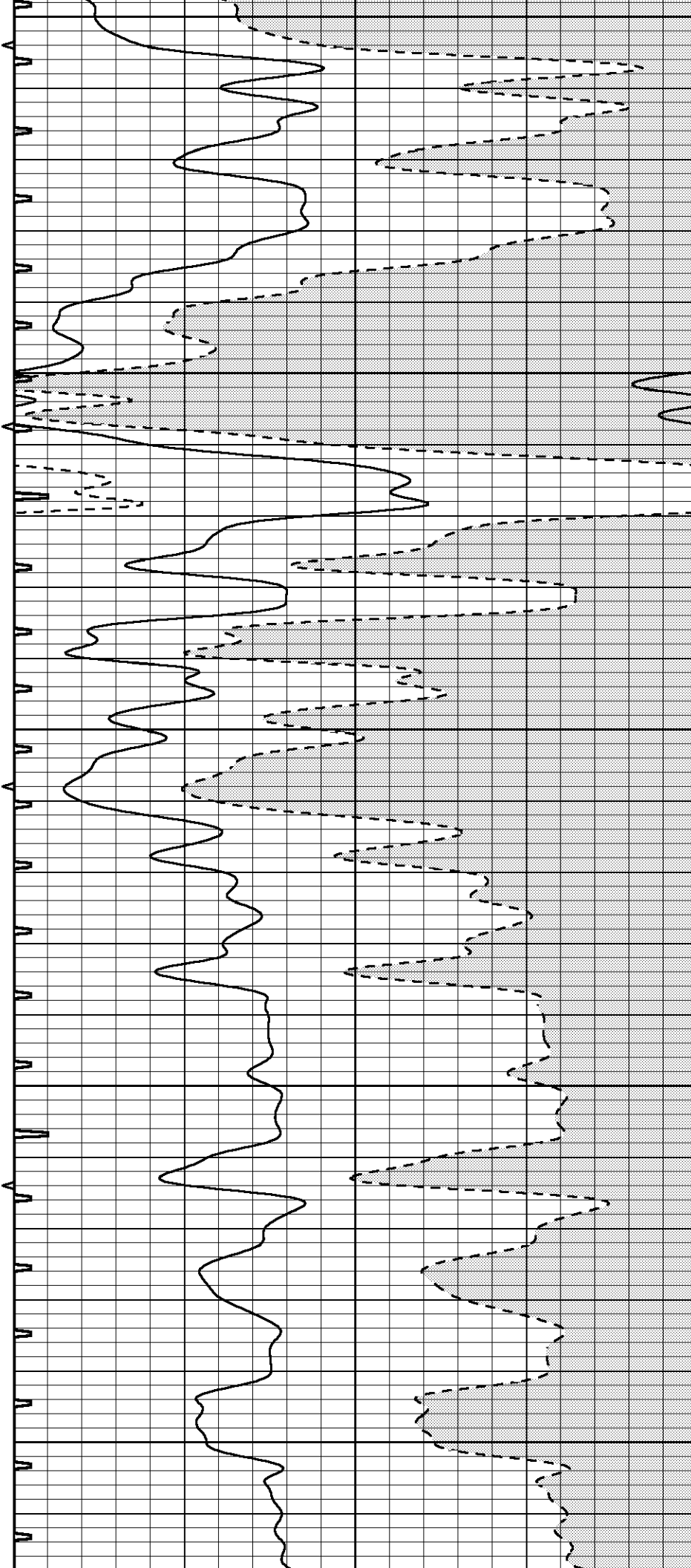
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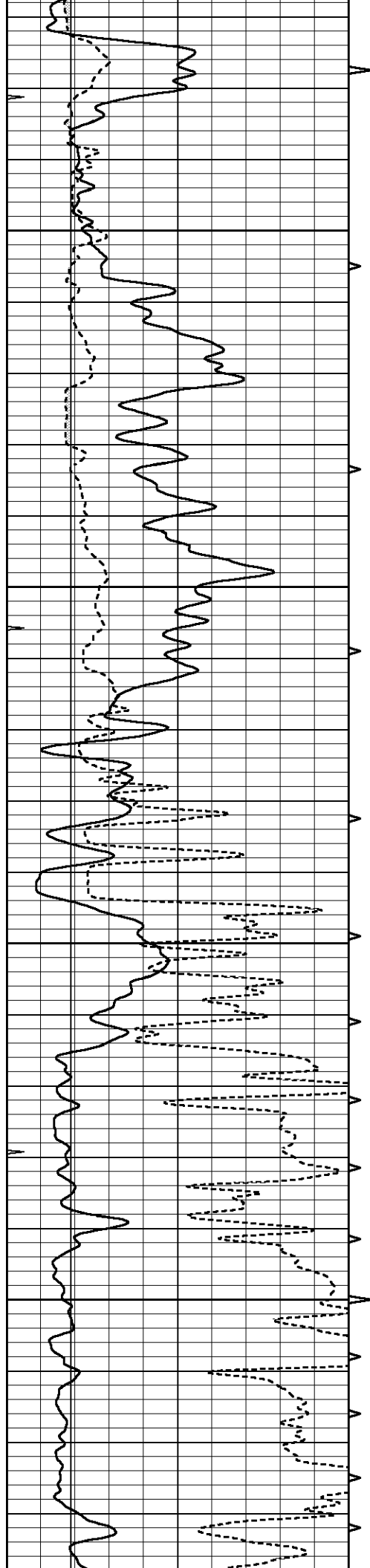
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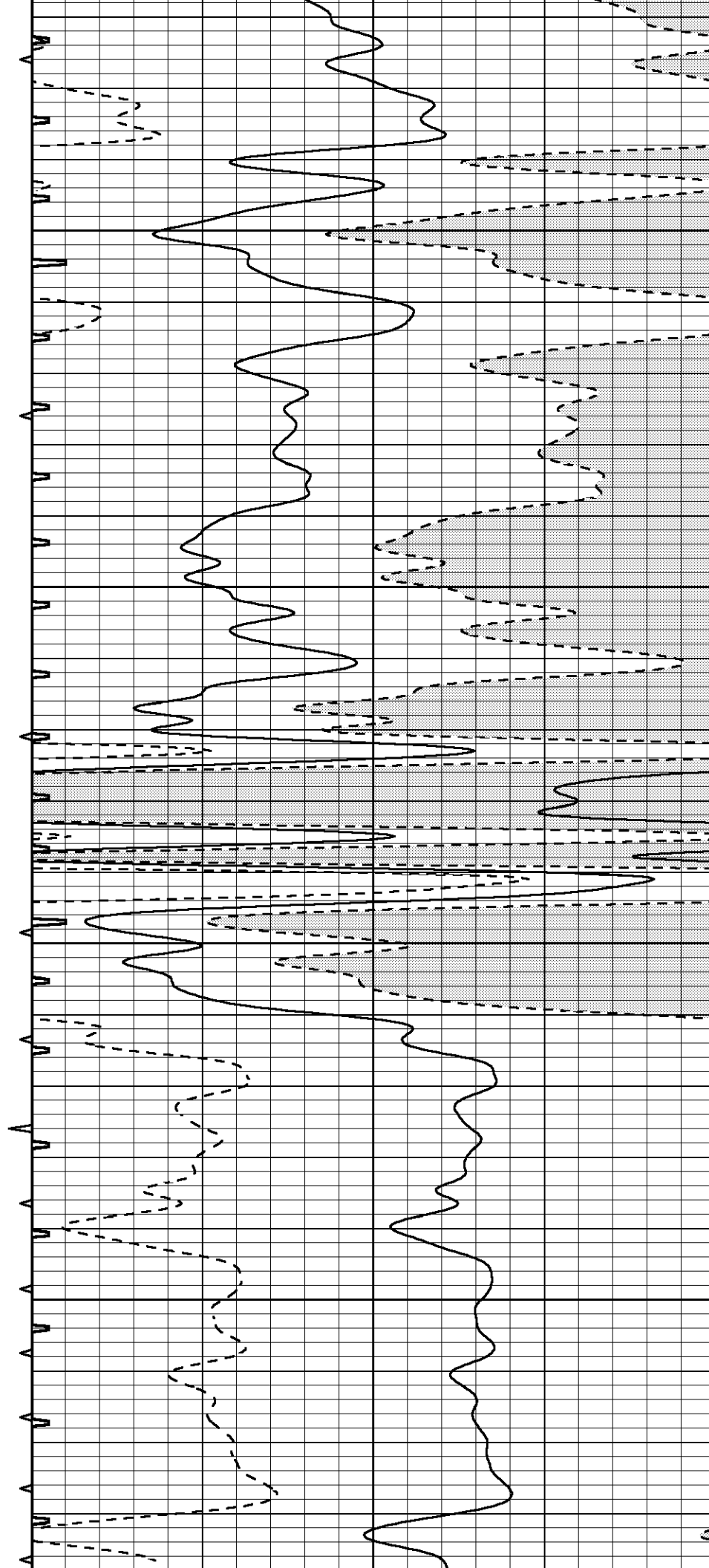


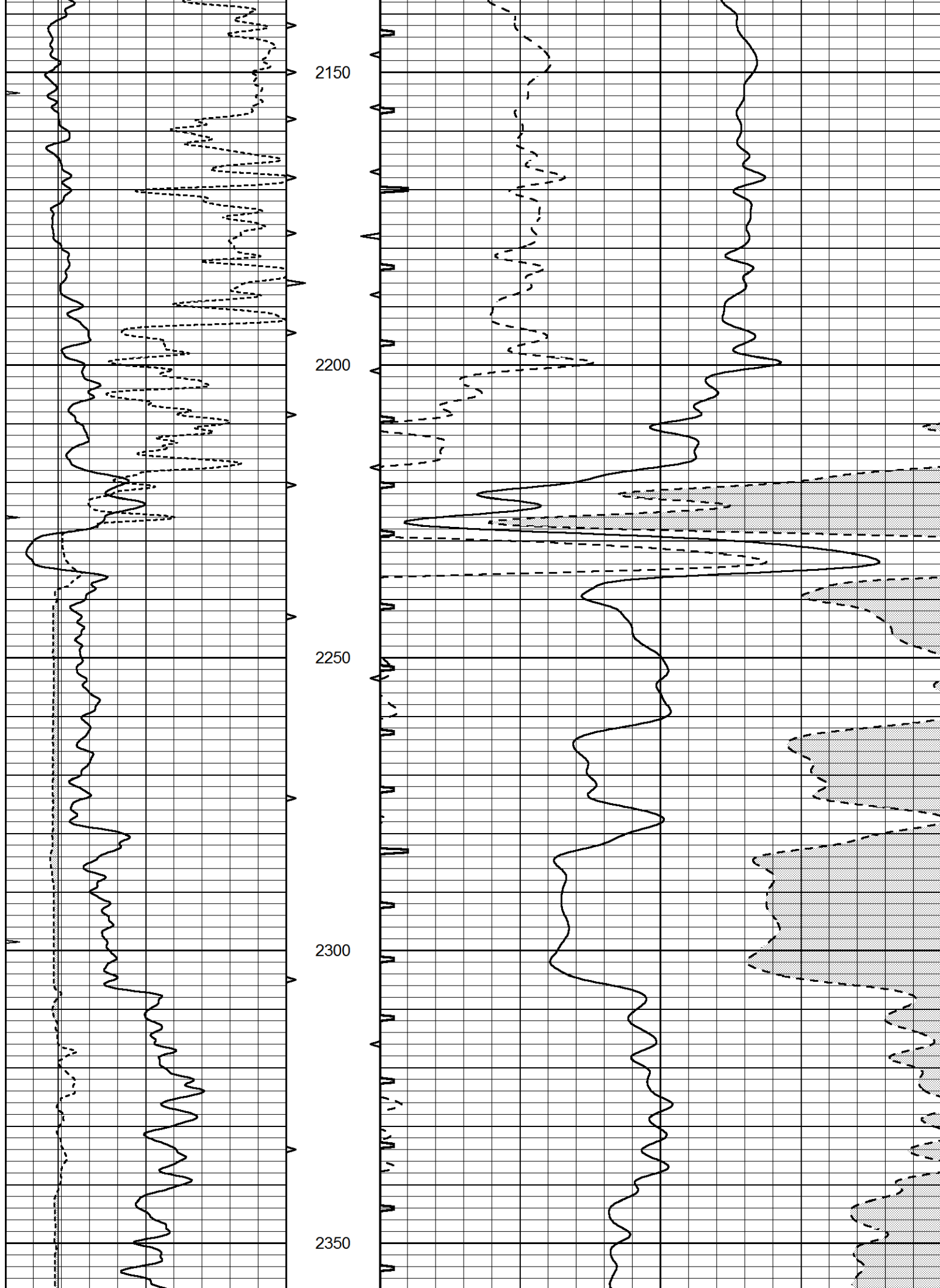
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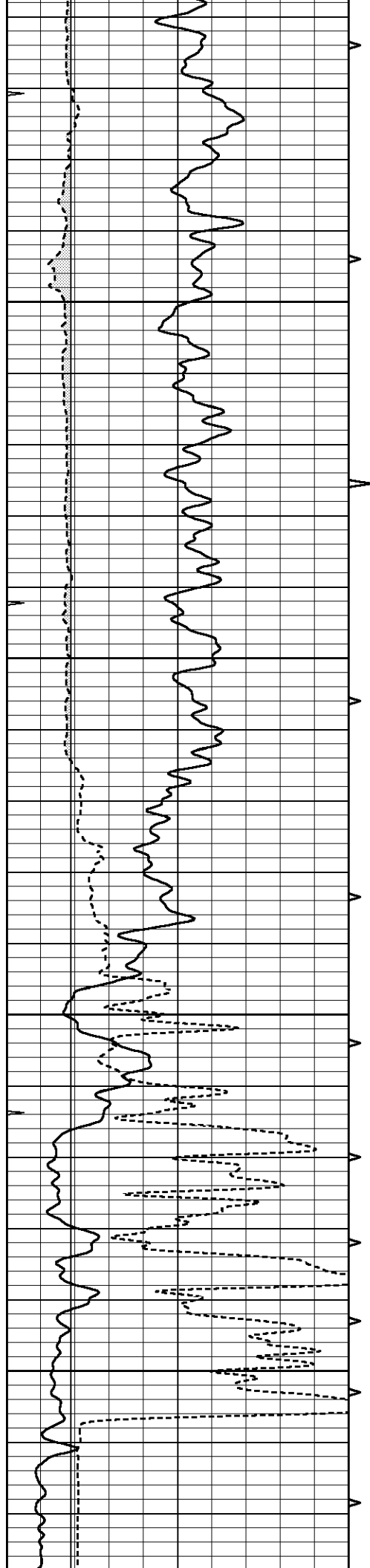
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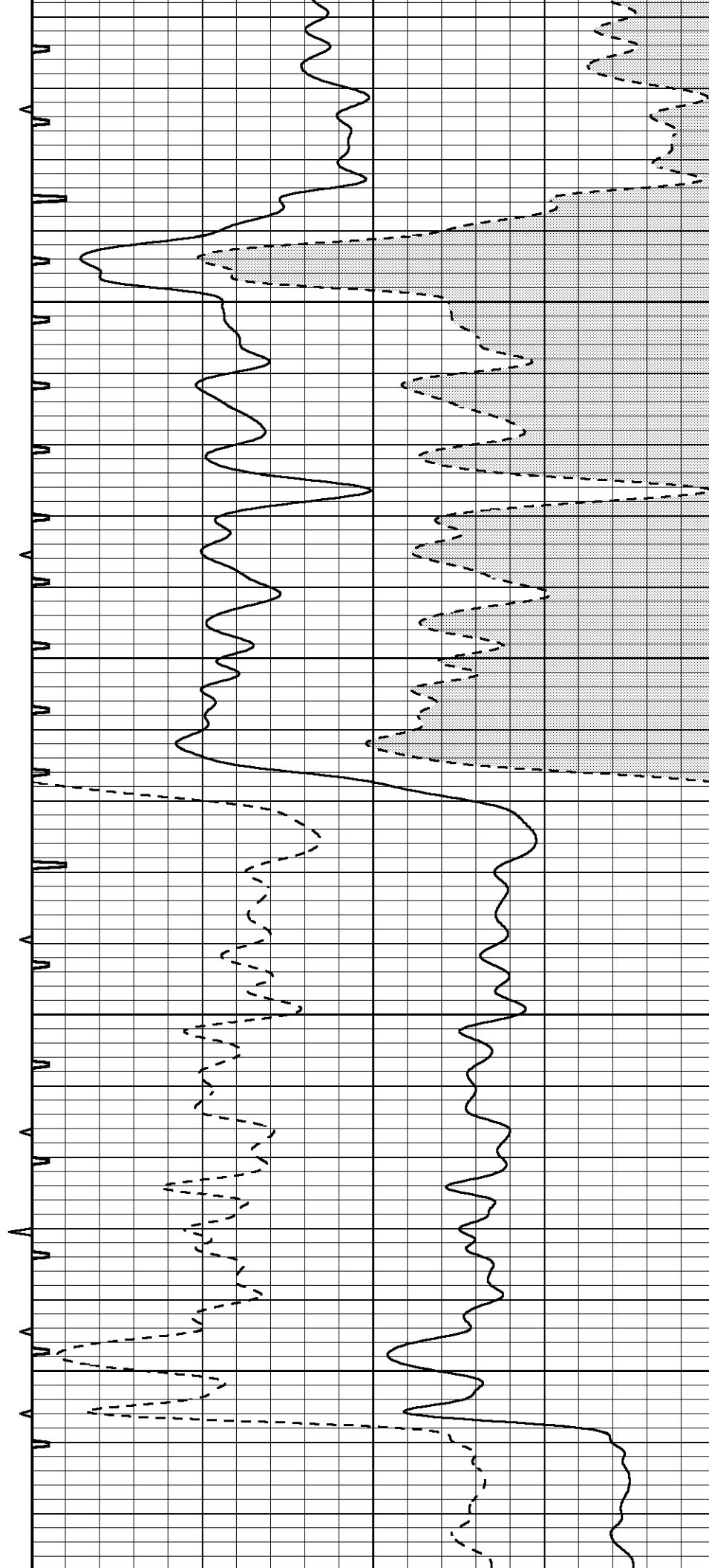


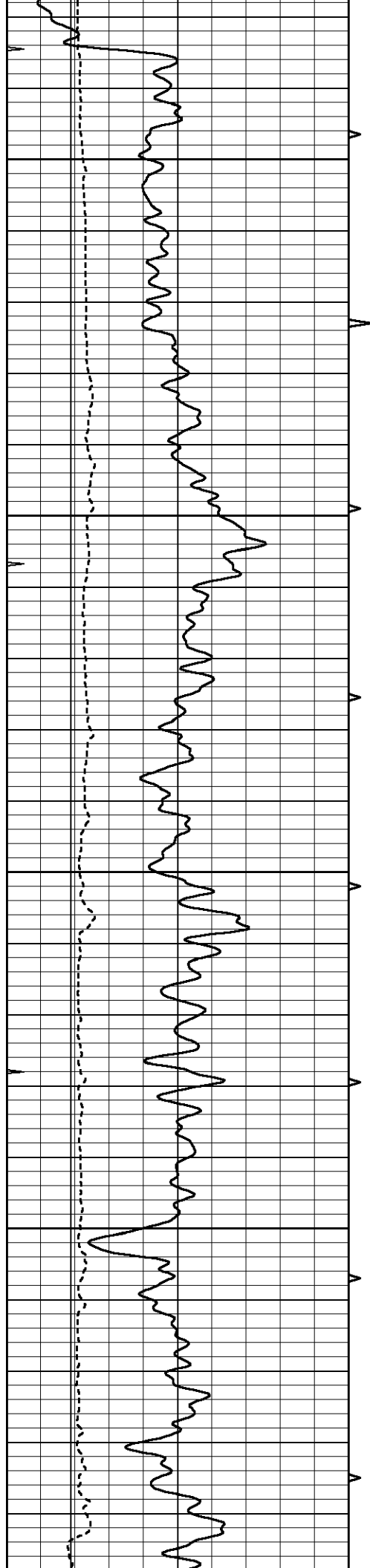
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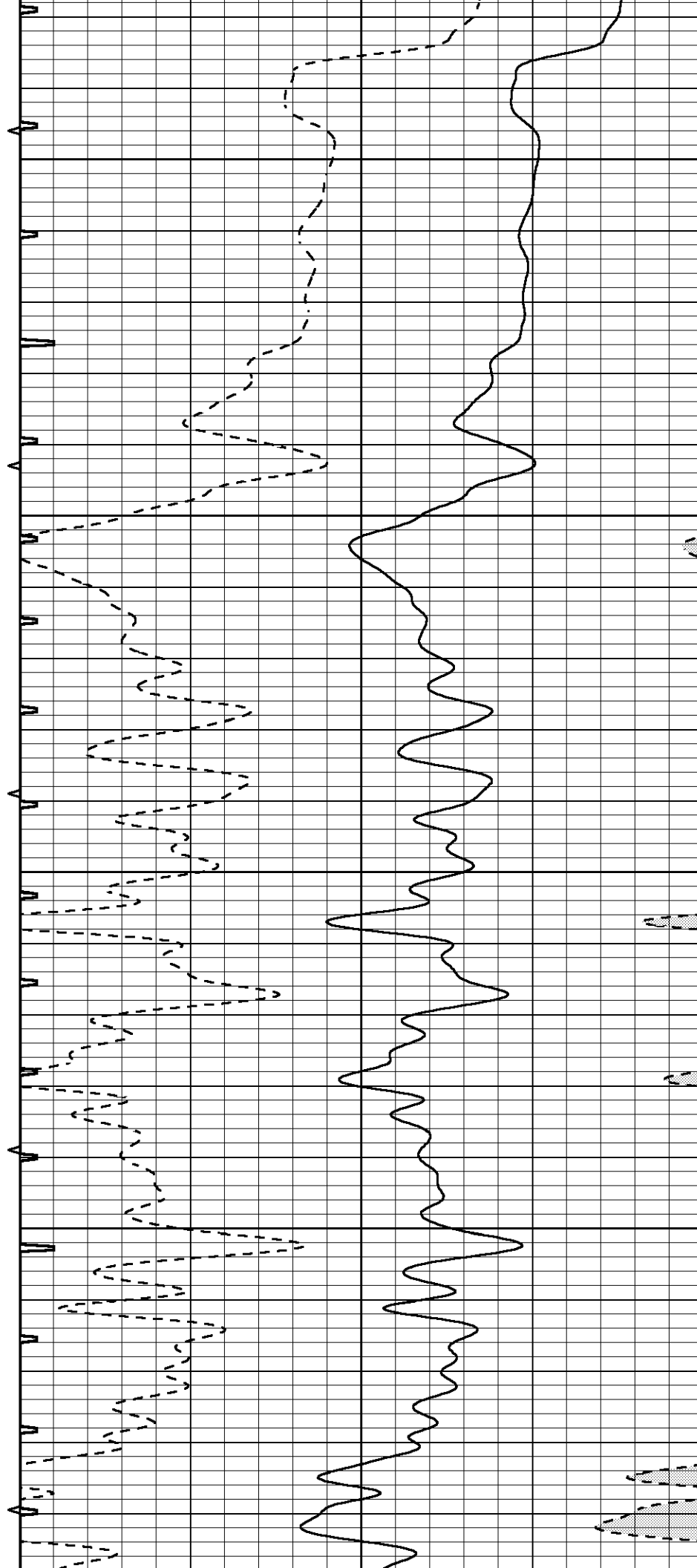


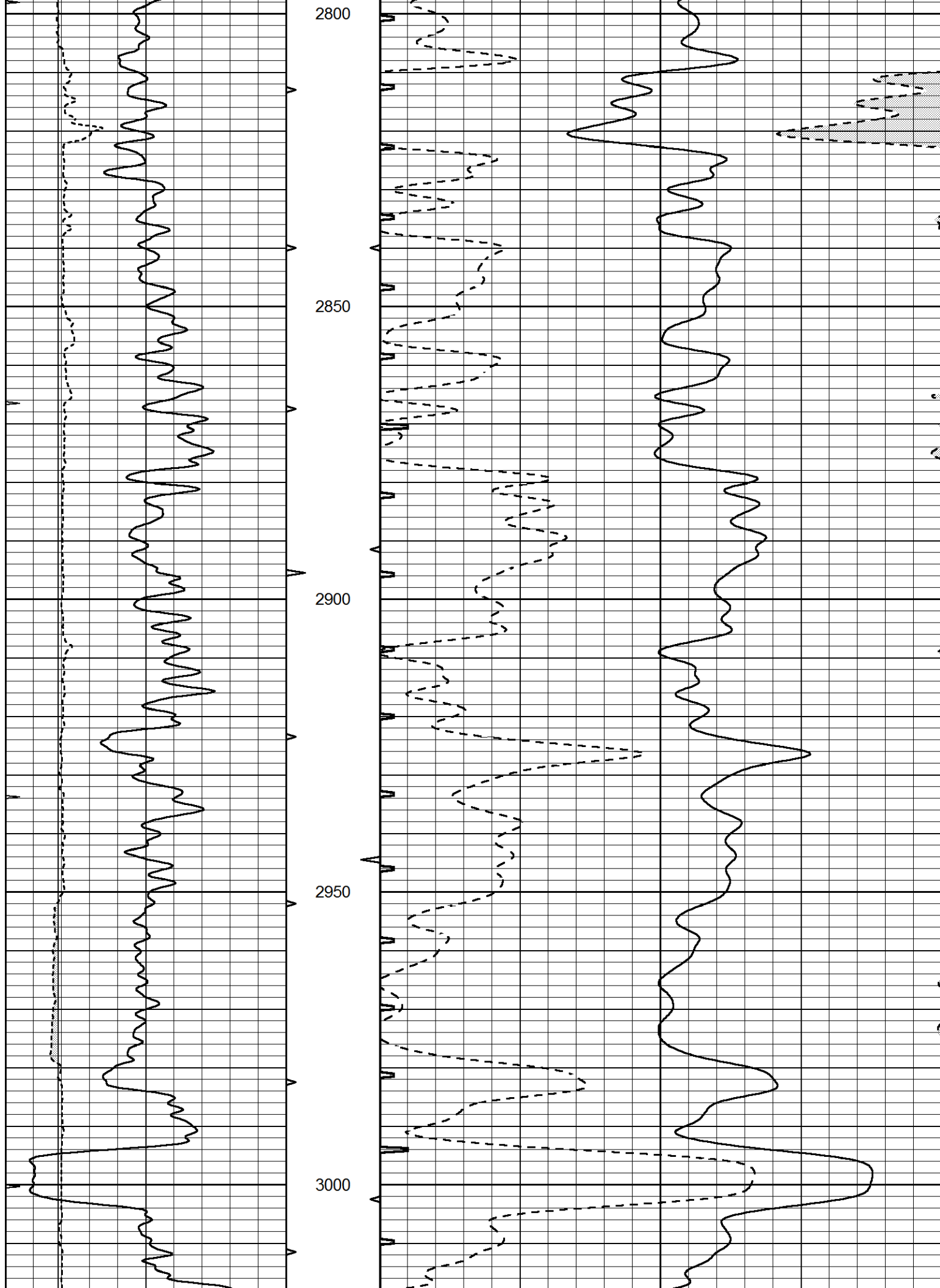
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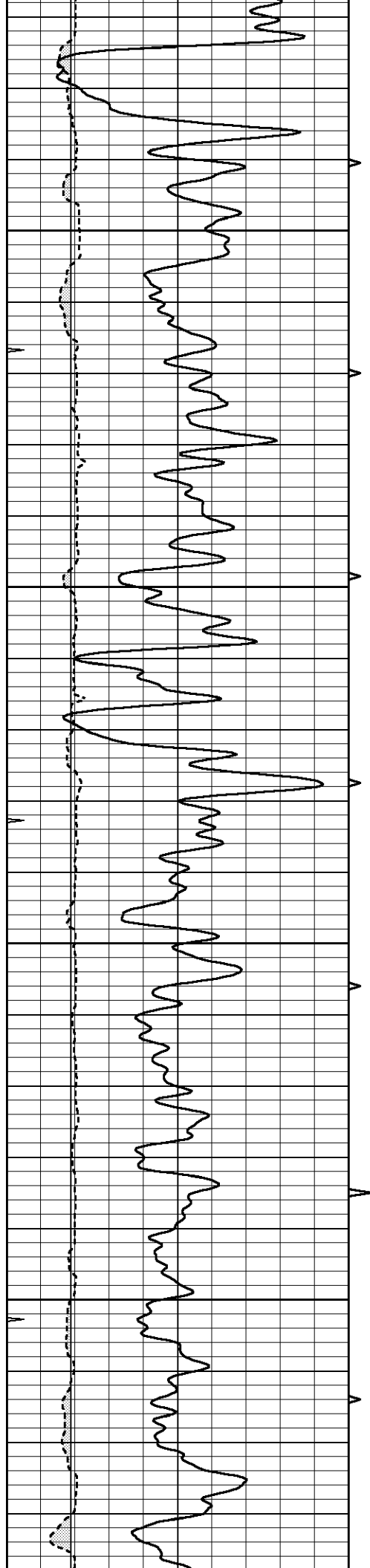
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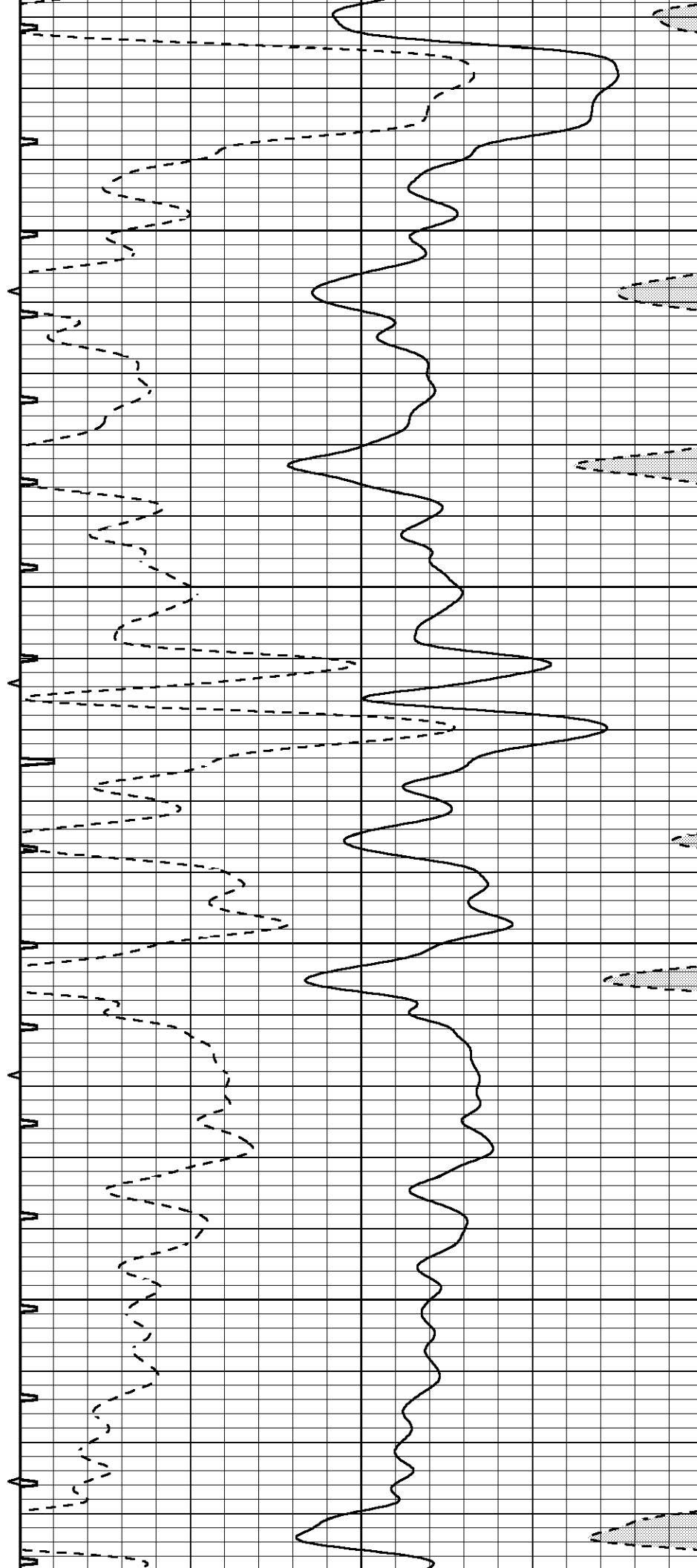


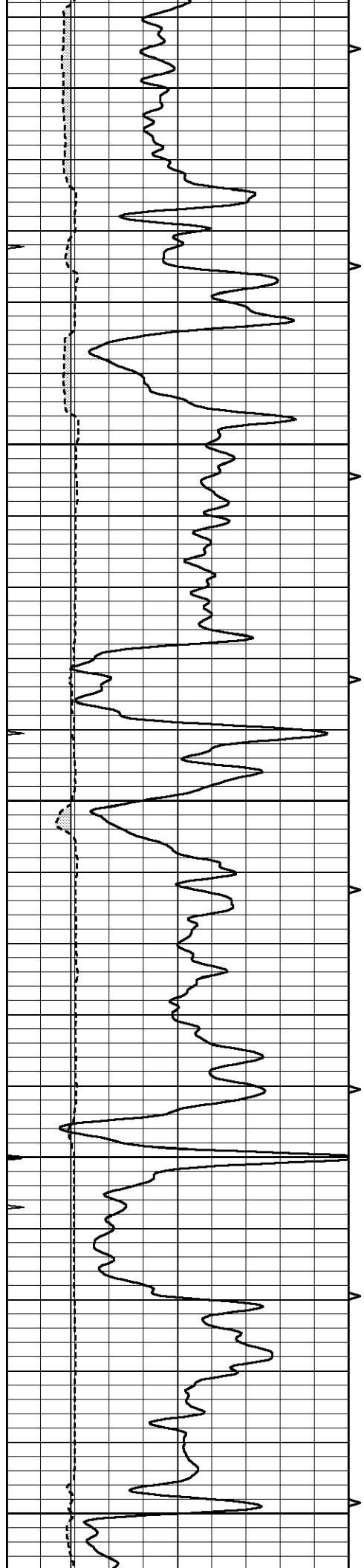
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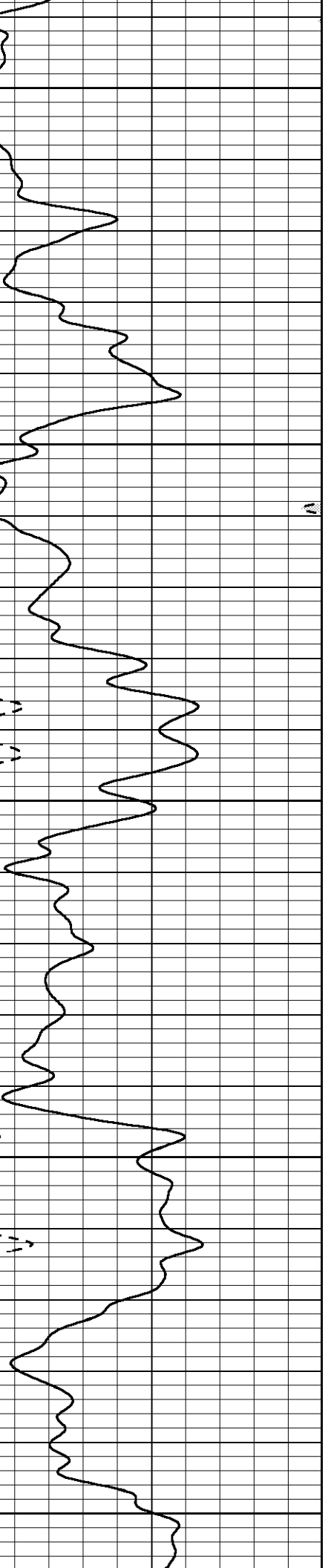
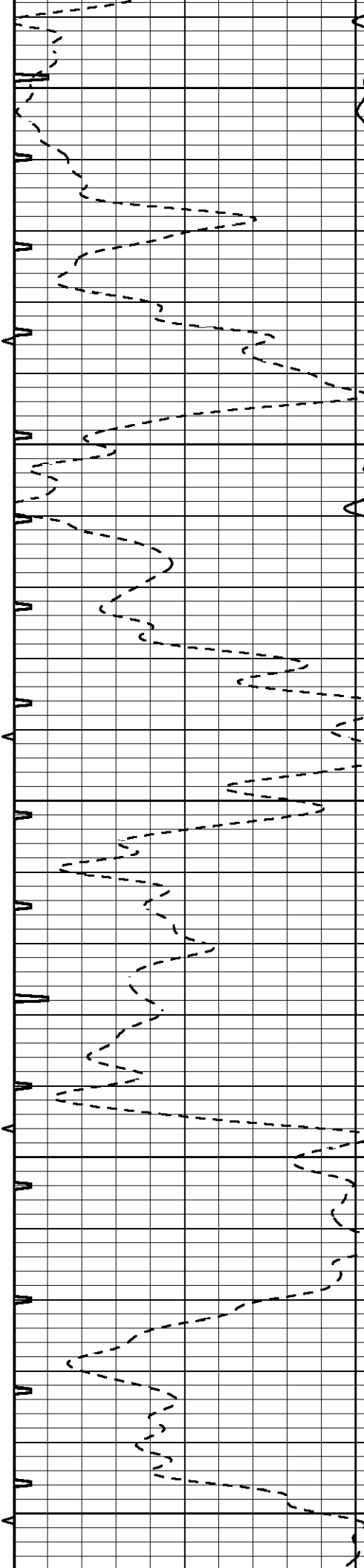
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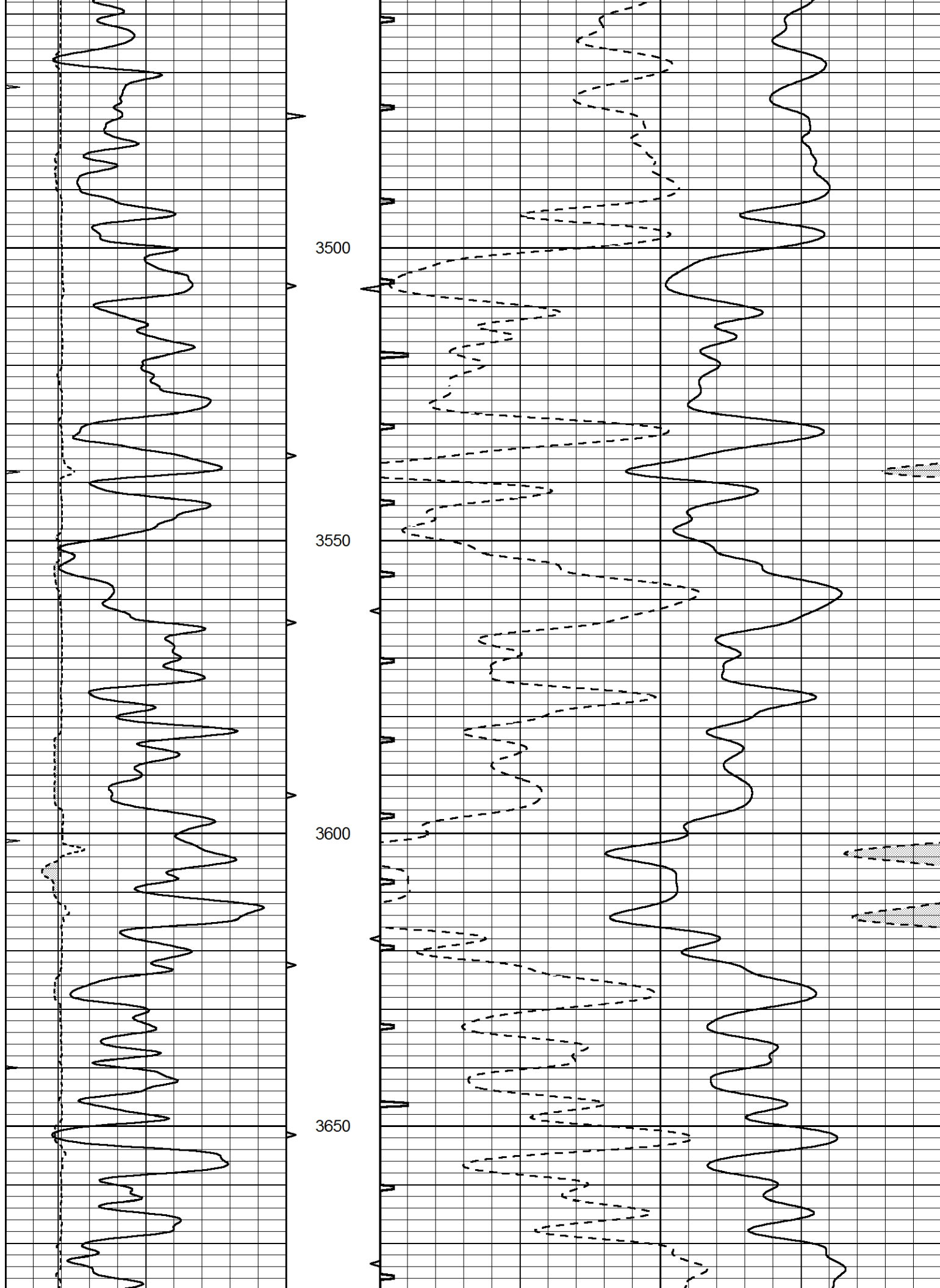
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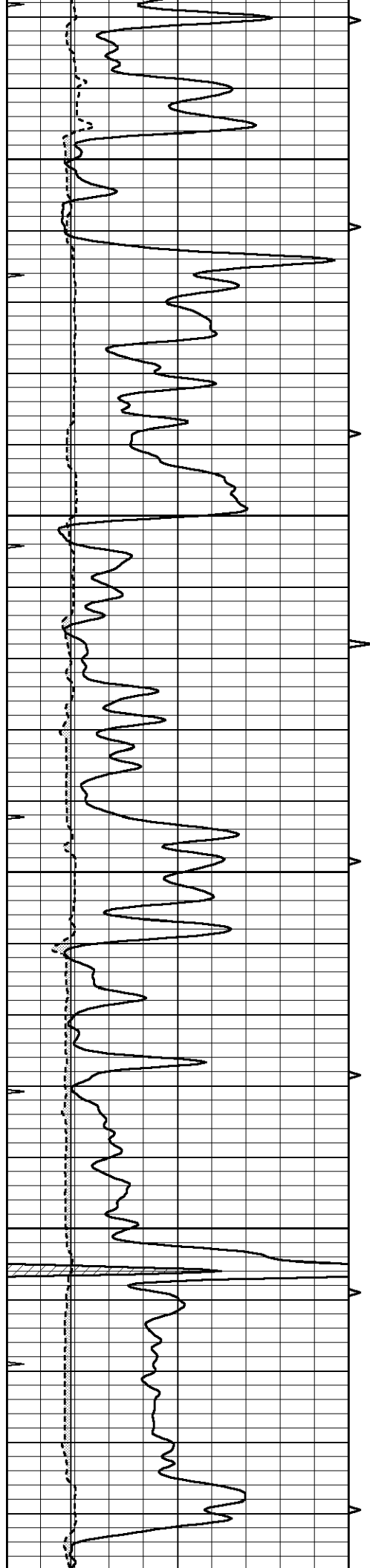
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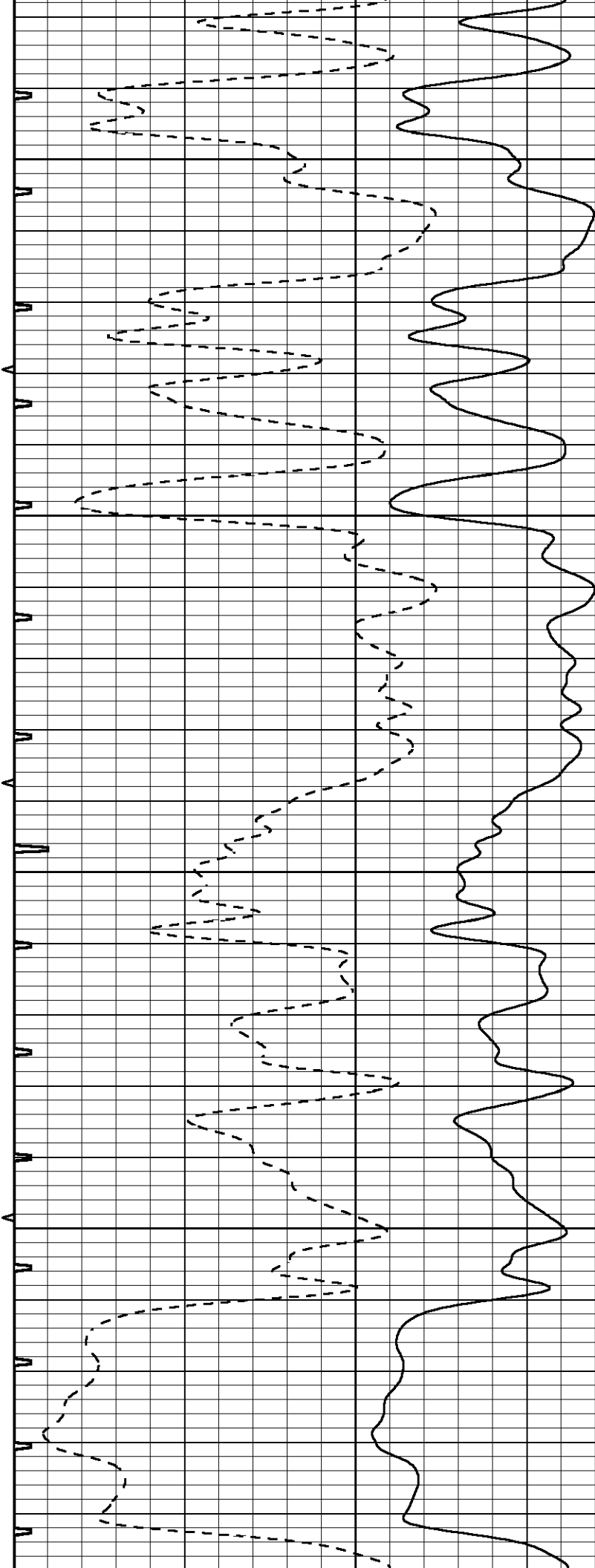


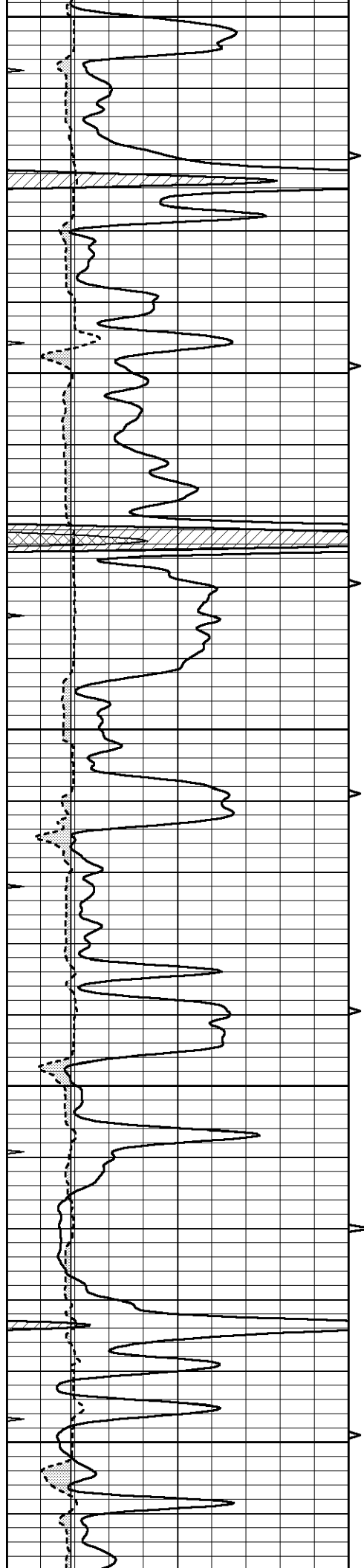
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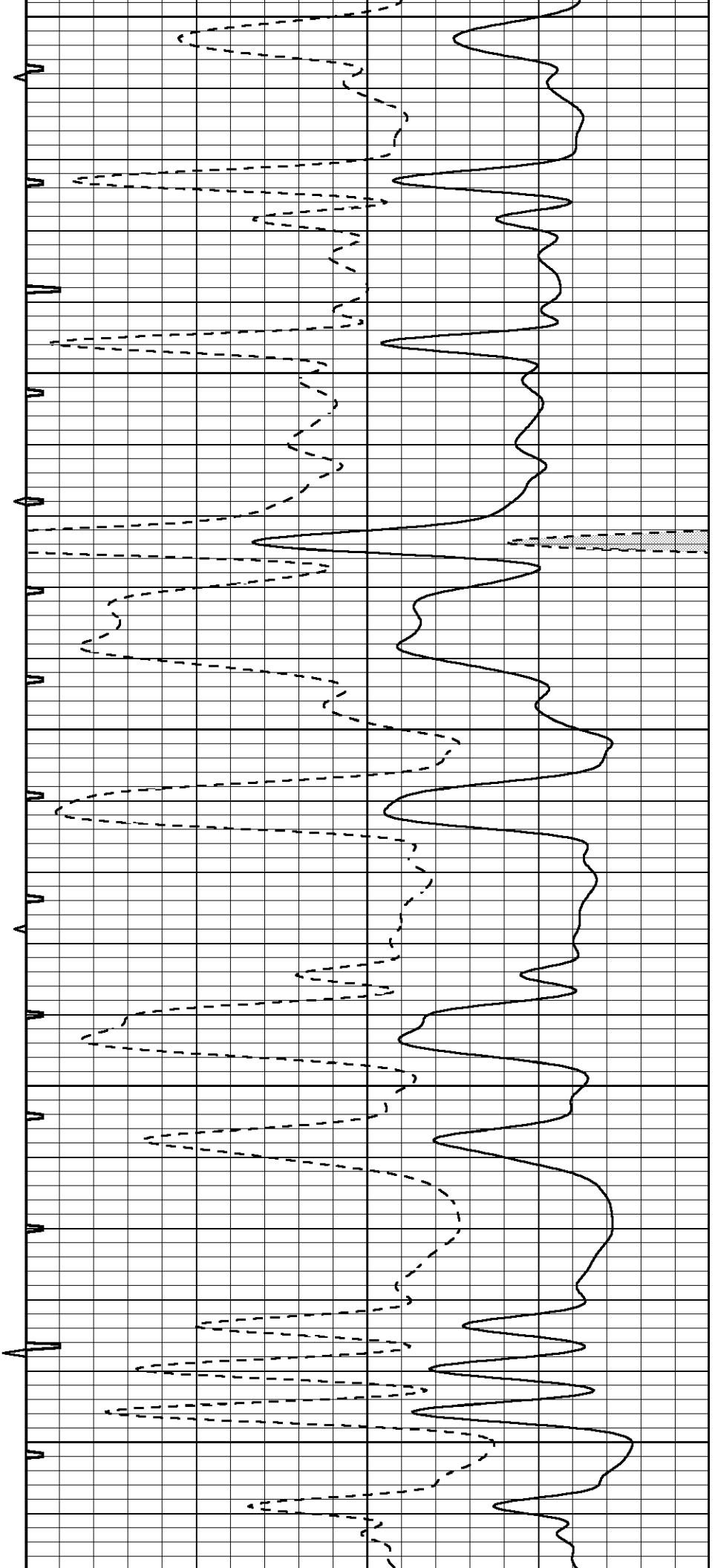
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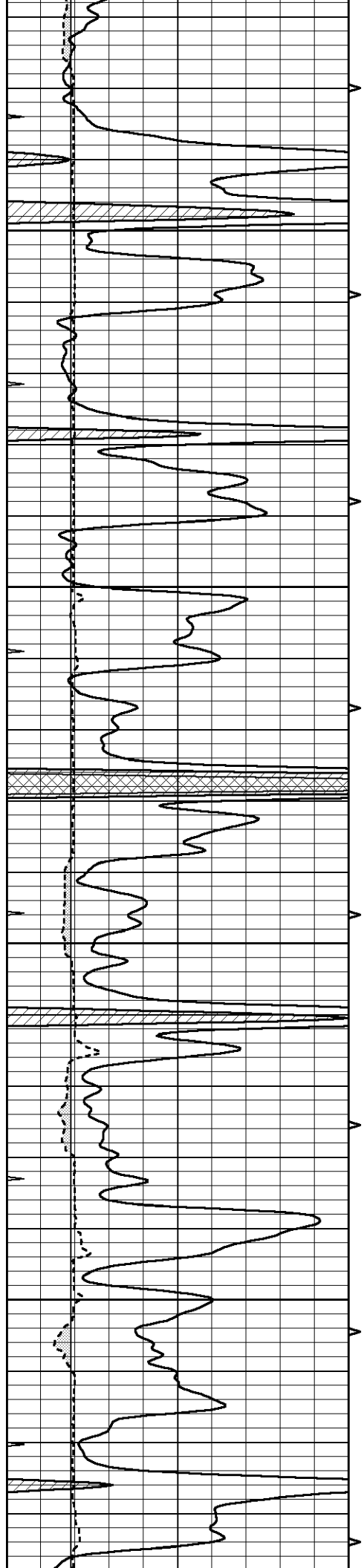
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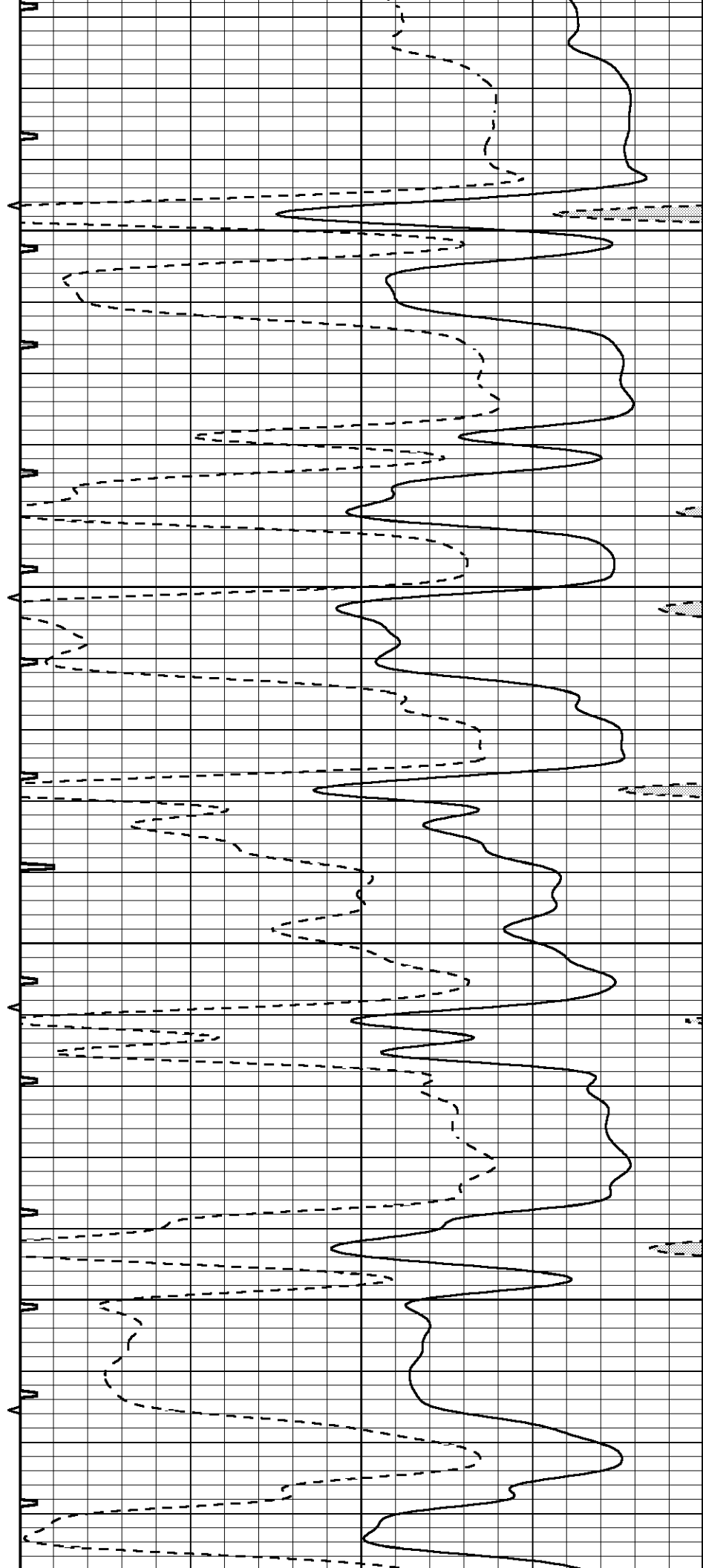


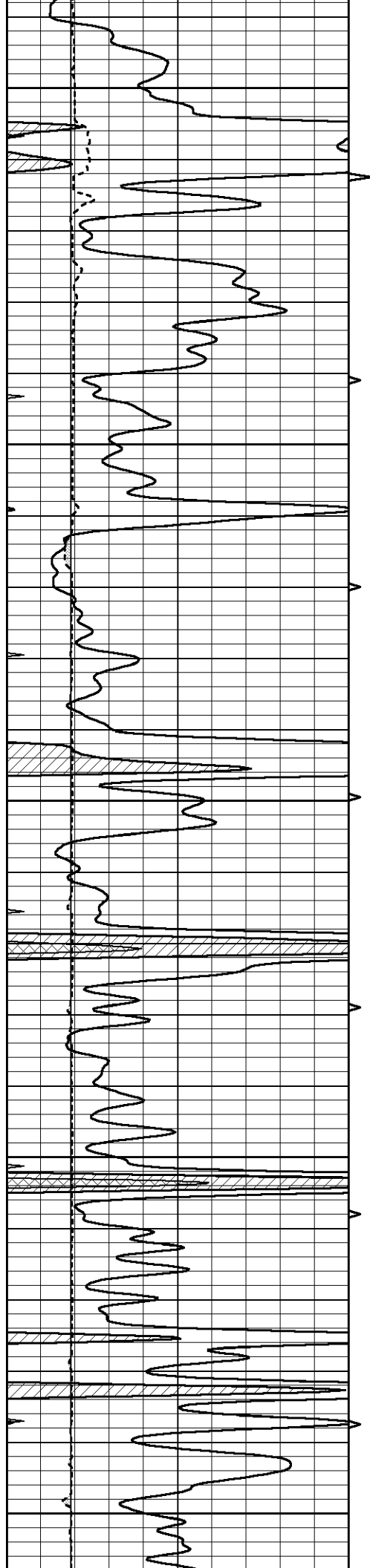
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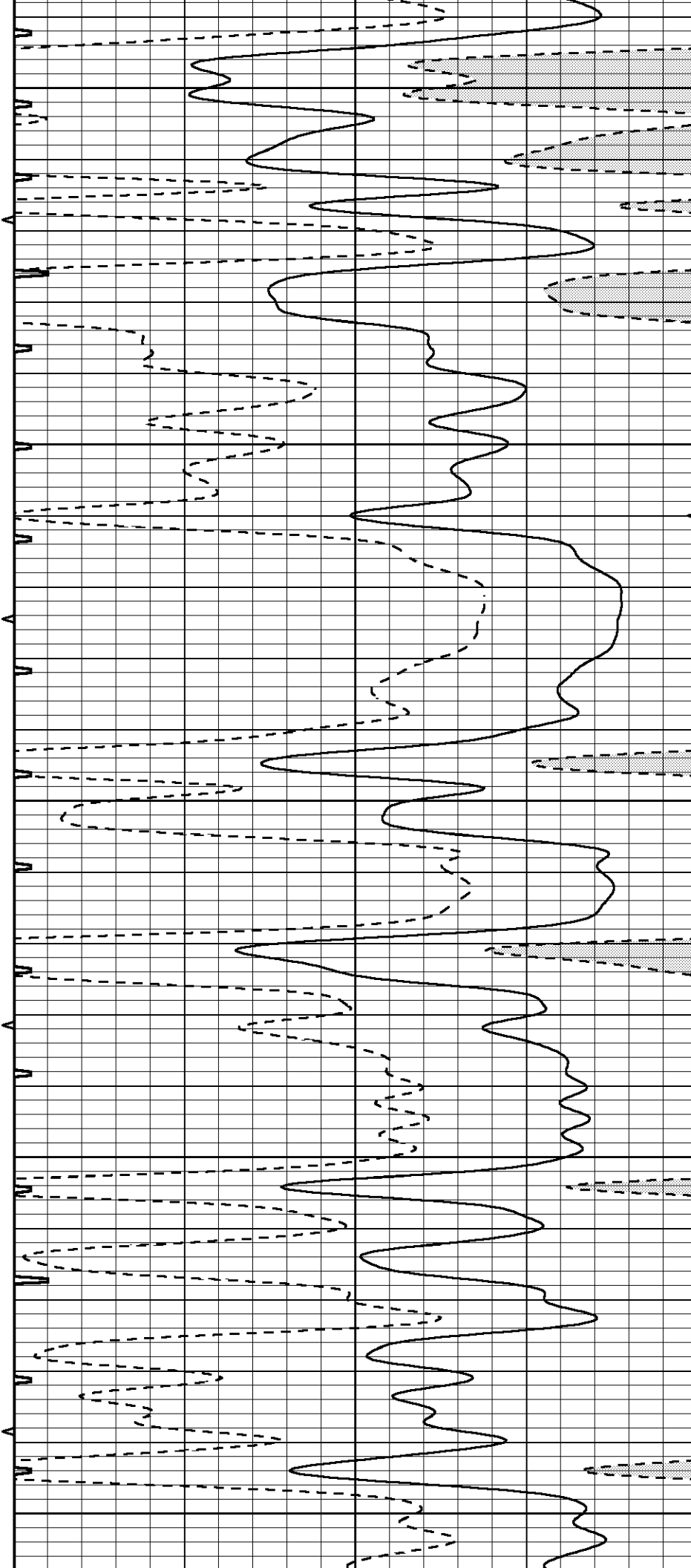
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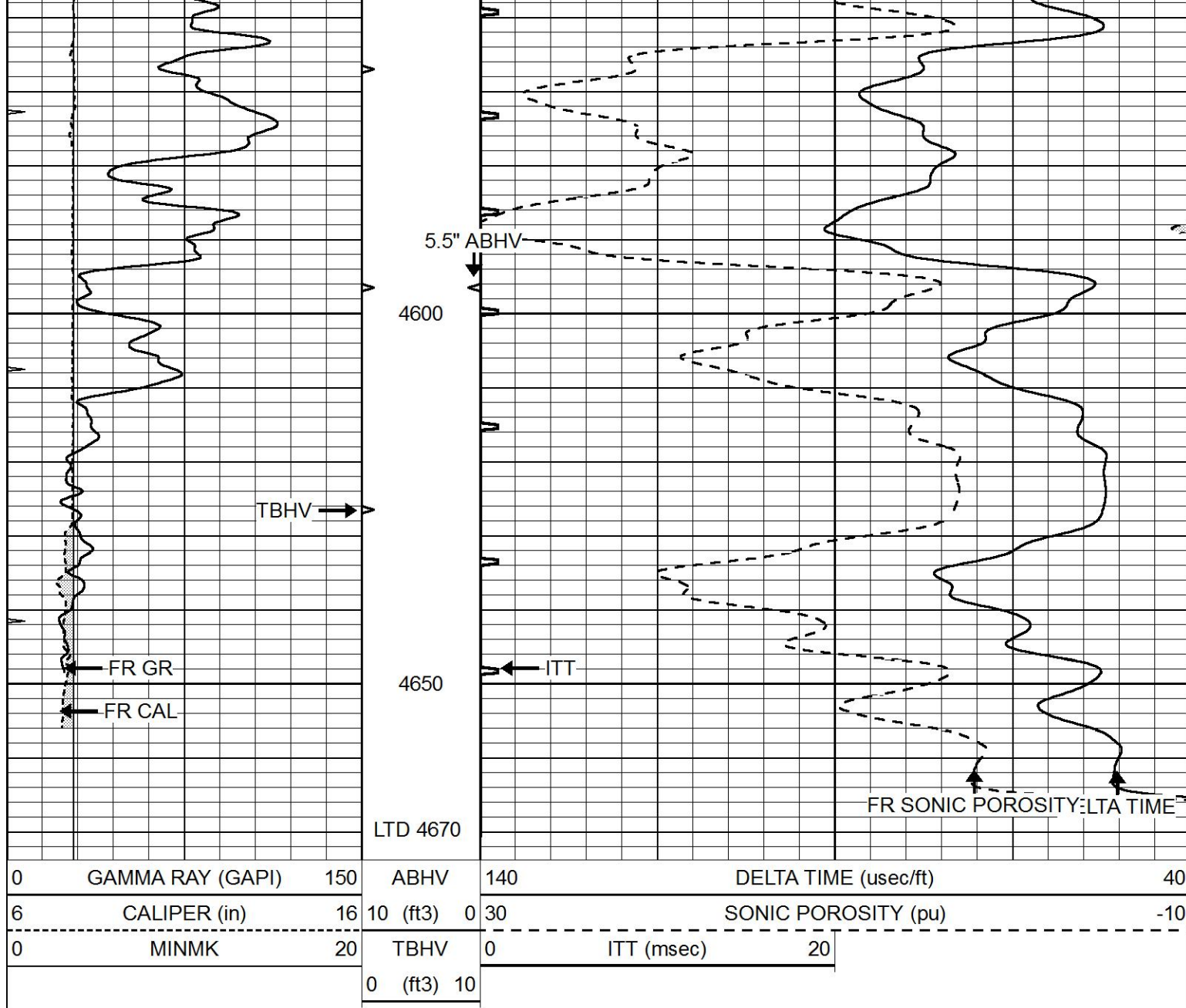
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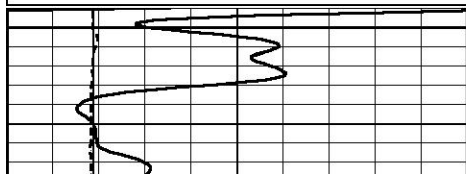
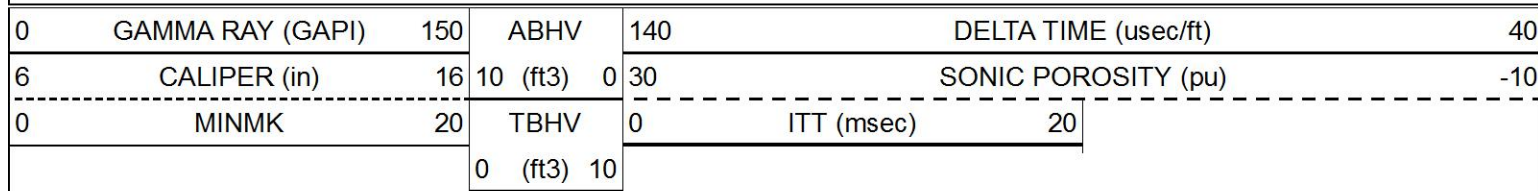
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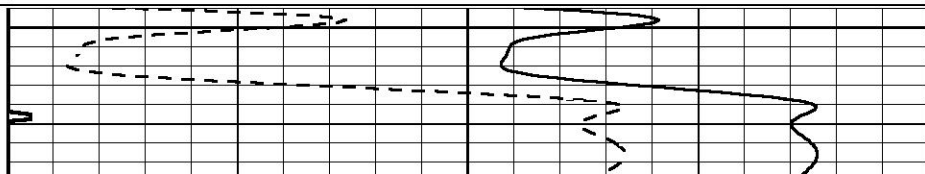


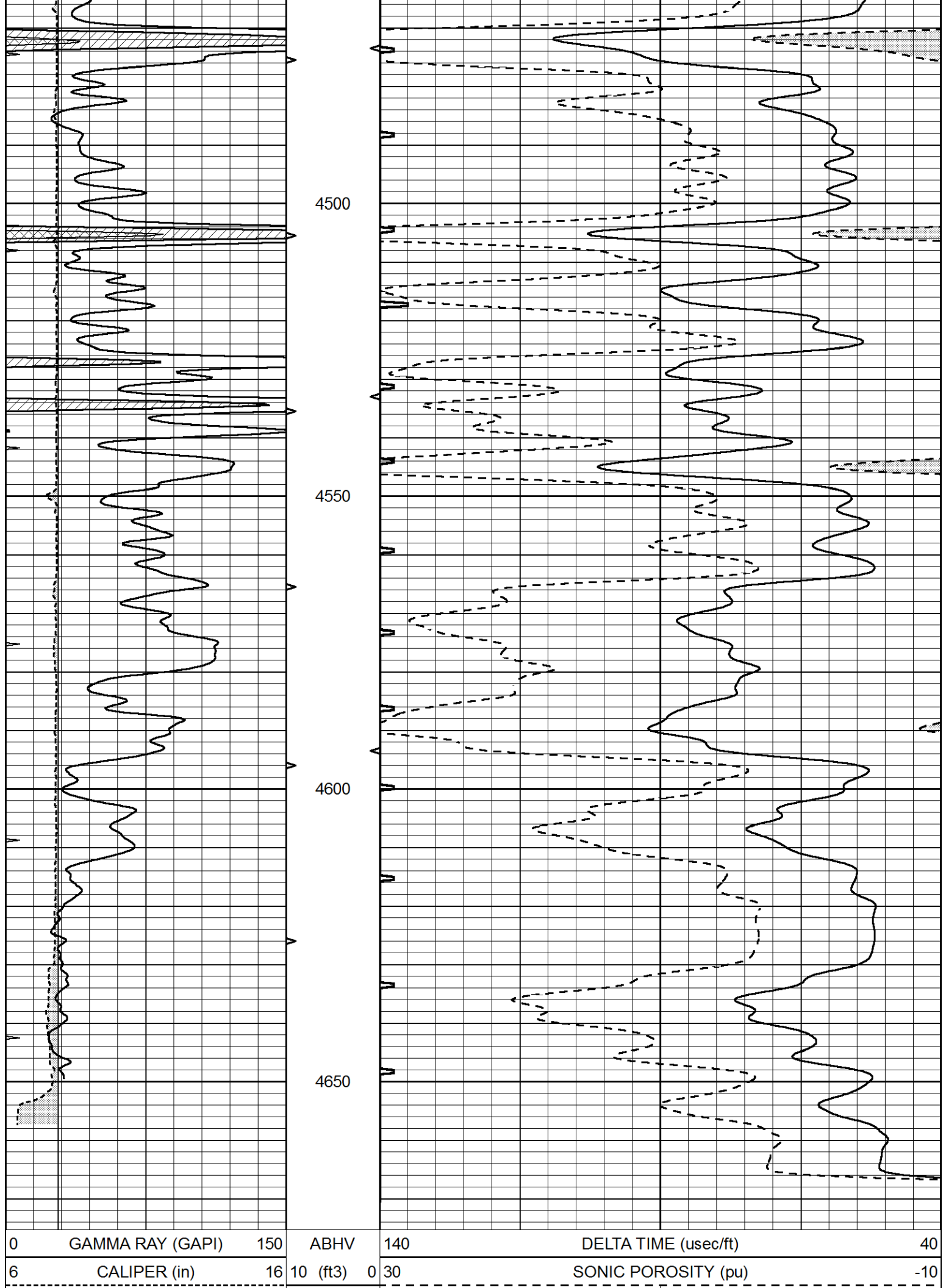
REPEAT SECTION

Database File 5830pe.db
 Dataset Pathname pass5.5
 Presentation Format slt
 Dataset Creation Thu Nov 04 03:36:34 2021
 Charted by Depth in Feet scaled 1:240



4450





0	MINMK	20	TBHV	0	ITT (msec)	20
			0 (ft3) 10			