



SONIC LOG

Company	WOOLSEY OPERATING COMPANY, LLC.
Well	McCLAREN #1
Field	ALFORD
County	KIOWA
State	KANSAS
Location:	AP1 # : 15-097-21833-00-00
SEC 33 TWP 30S RGE 18W	400' FSL & 400' FWL
Permanent Datum	GROUND LEVEL
Log Measured From	KELLY BUSHING 12' A.G.L.
Drilling Measured From	KELLY BUSHING
Elevation	2139'
Other Services	SONIC DIL
Date	02/10/18
Run Number	TWO
Depth Driller	5540
Depth Logger	5543
Bottom Logged Interval	5534
Top Log Interval	200
Casing Driller	13 3/8" @ 289
Casing Logger	8 5/8" @ 1491
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.2/60
pH / Fluid Loss	9.5/8.4
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.80@66
Rmt @ Meas. Temp	.60@66
Rmc @ Meas. Temp	.96@66
Source of Rmt / Rmc	MEASURED
Rm @ BHT	.40@130
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	///
Maximum Recorded Temperature	130F
Equipment Number	4010
Location	HAYS, KANSAS
Recorded By	GUS PFANENSTIEL
Witnessed By	BILLY KLAVER

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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, HAYS, KS. (785) 628-6395

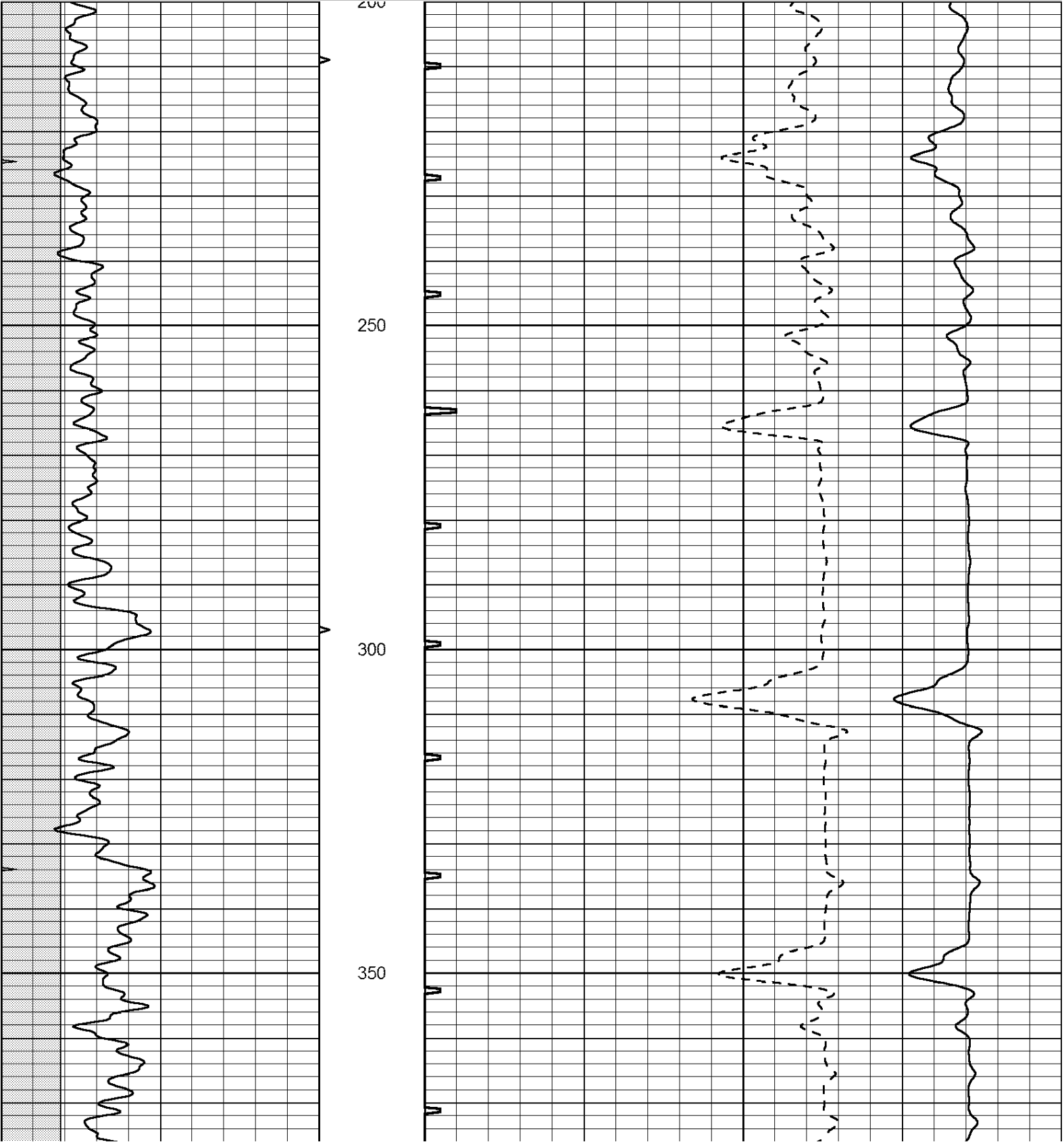
DIRECTIONS
INTERSECTION OF HIGHWAY 183 AND HIGHWAY 54,
SOUTH TO COUNTY LINE, EAST 1 1/8 MILE,
NORTH INTO.

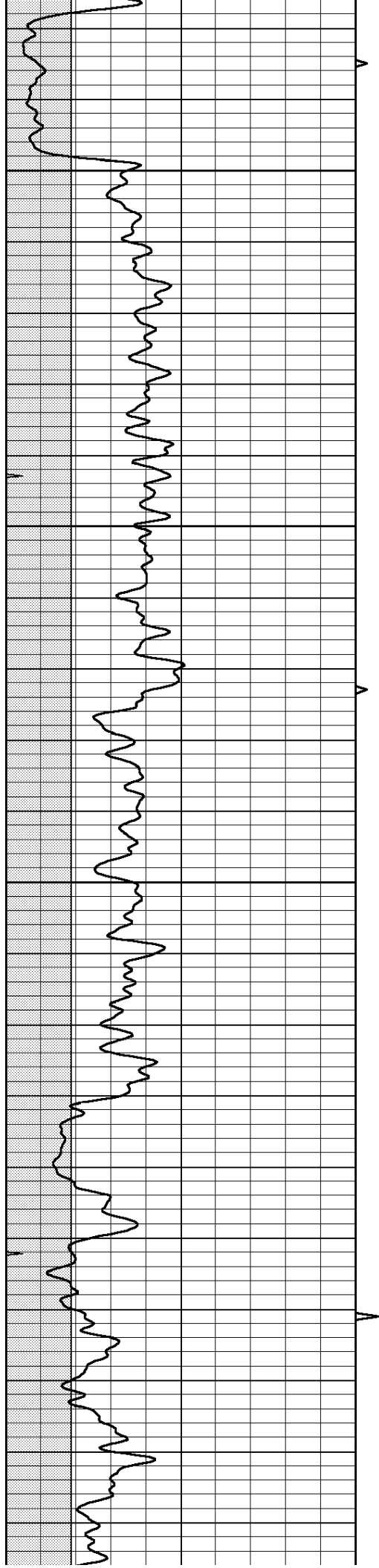


MAIN PASS

Database File: 2124pe.db
Dataset Pathname: pass5
Presentation Format: _slt
Dataset Creation: Thu Jan 11 03:34:44 2018 by Log Open-Cased 090629
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			



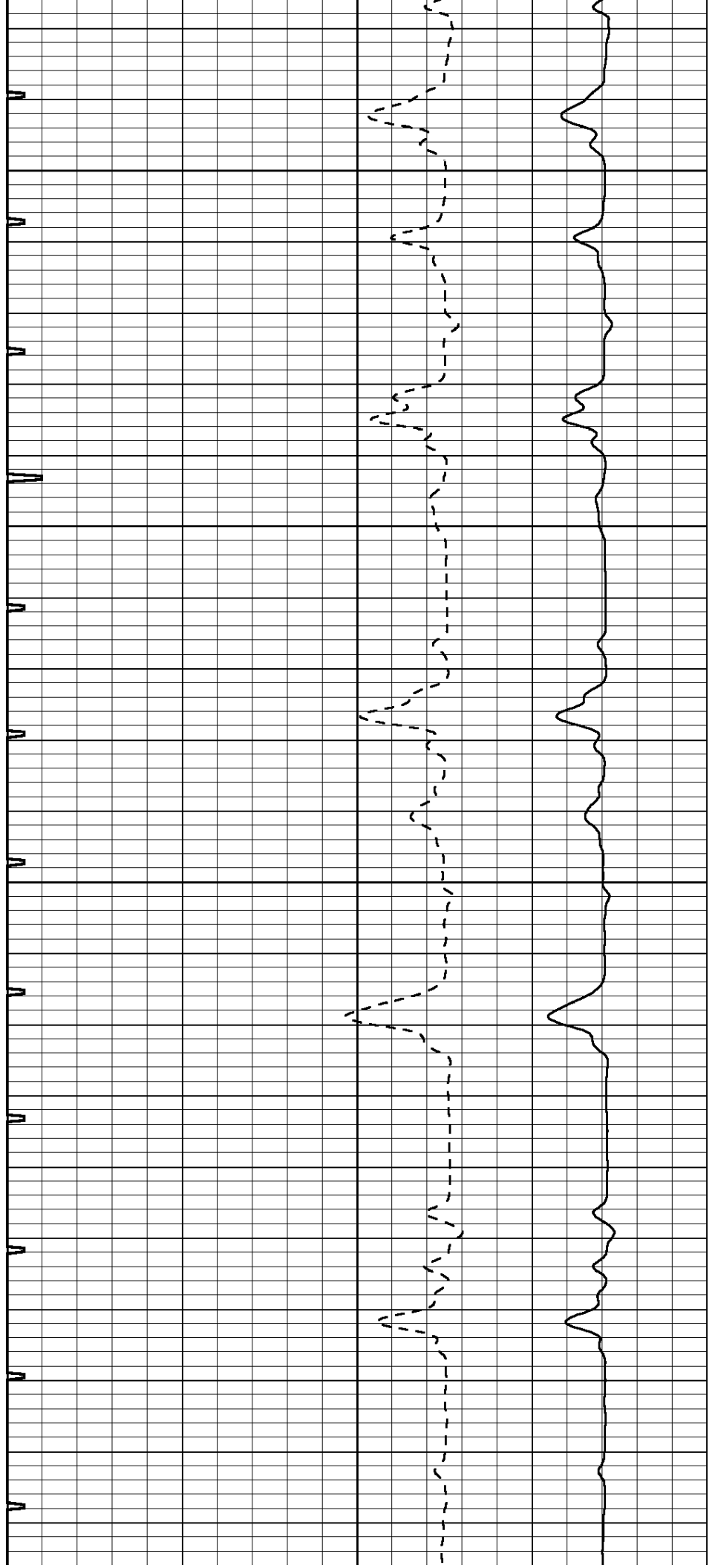


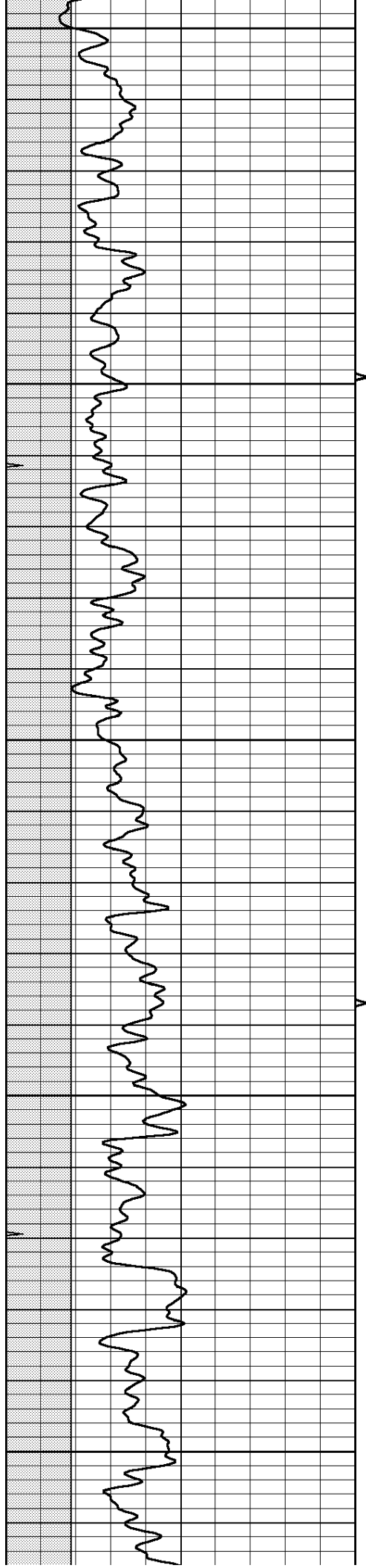
400

450

500

550





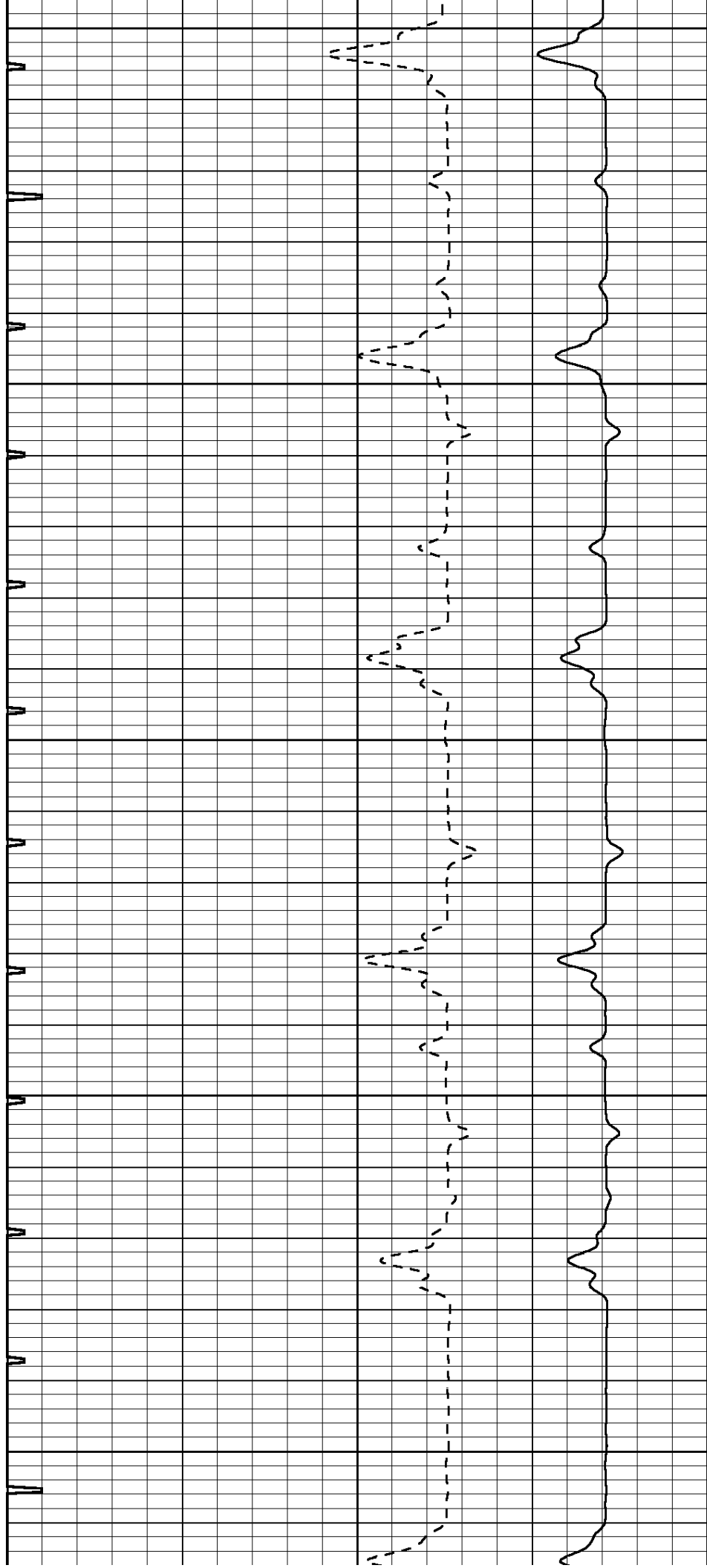
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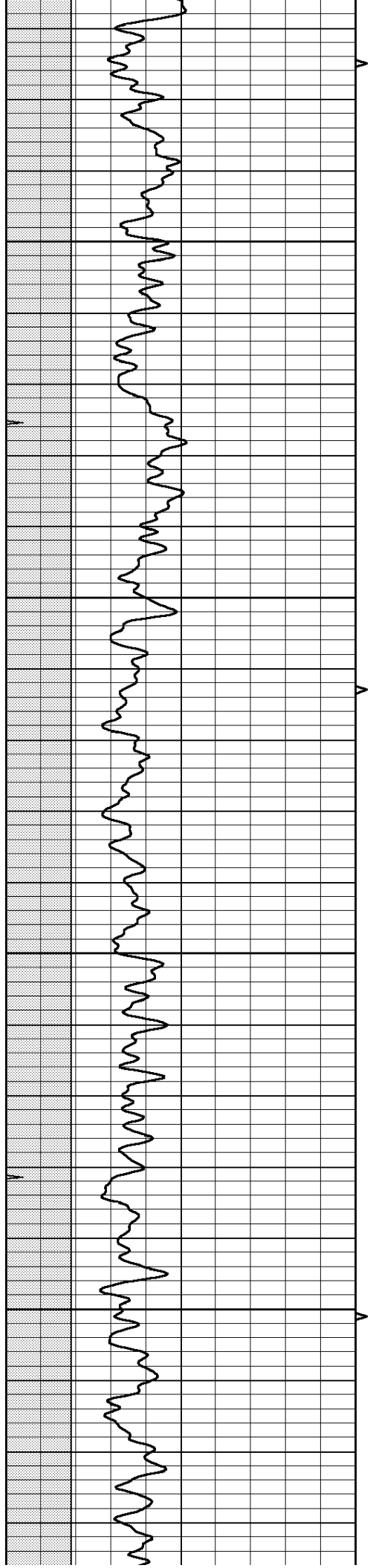
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750

800



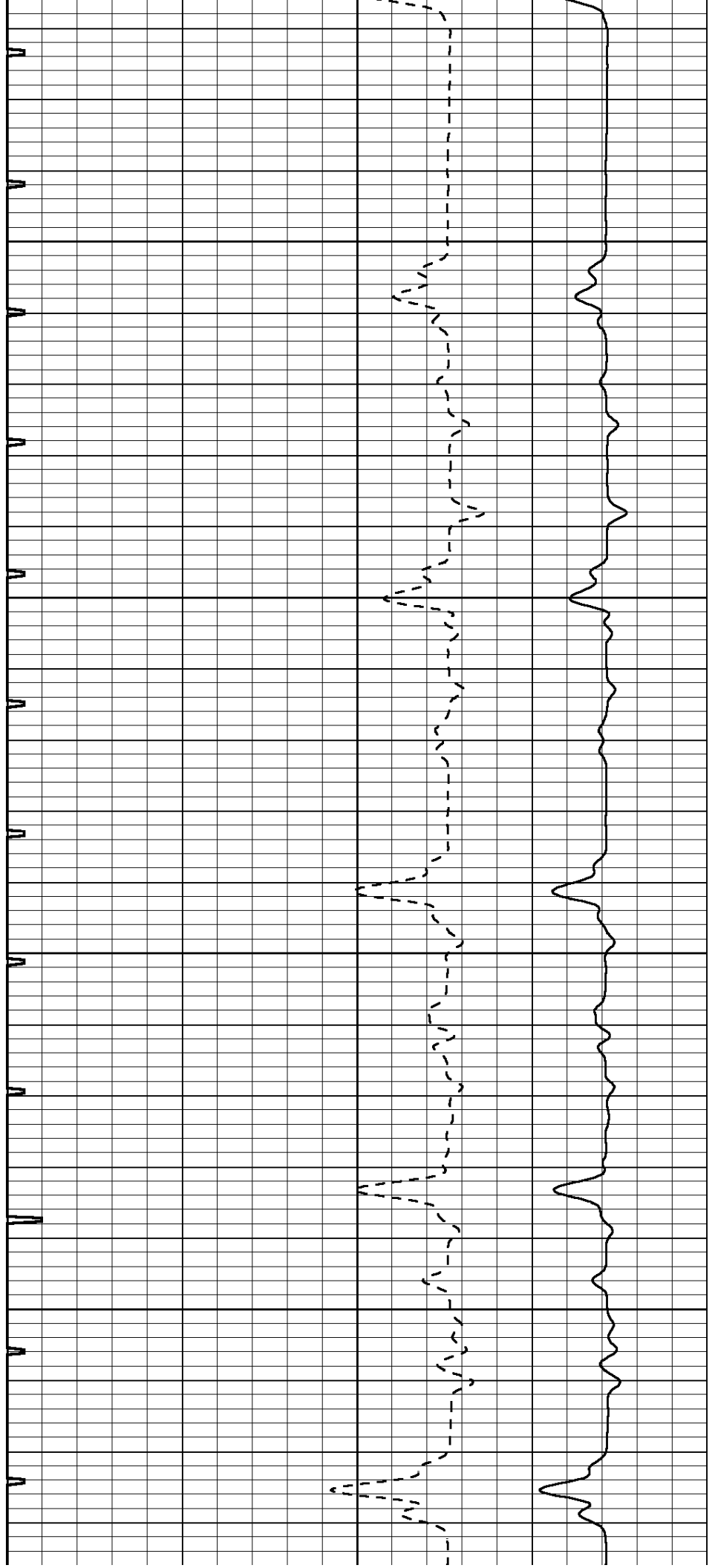


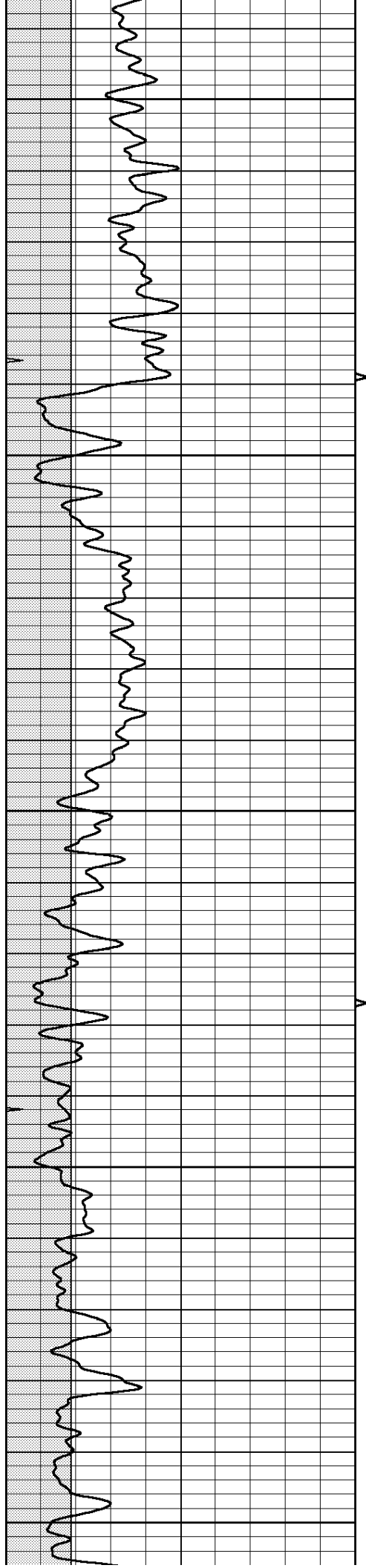
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900

950

1000





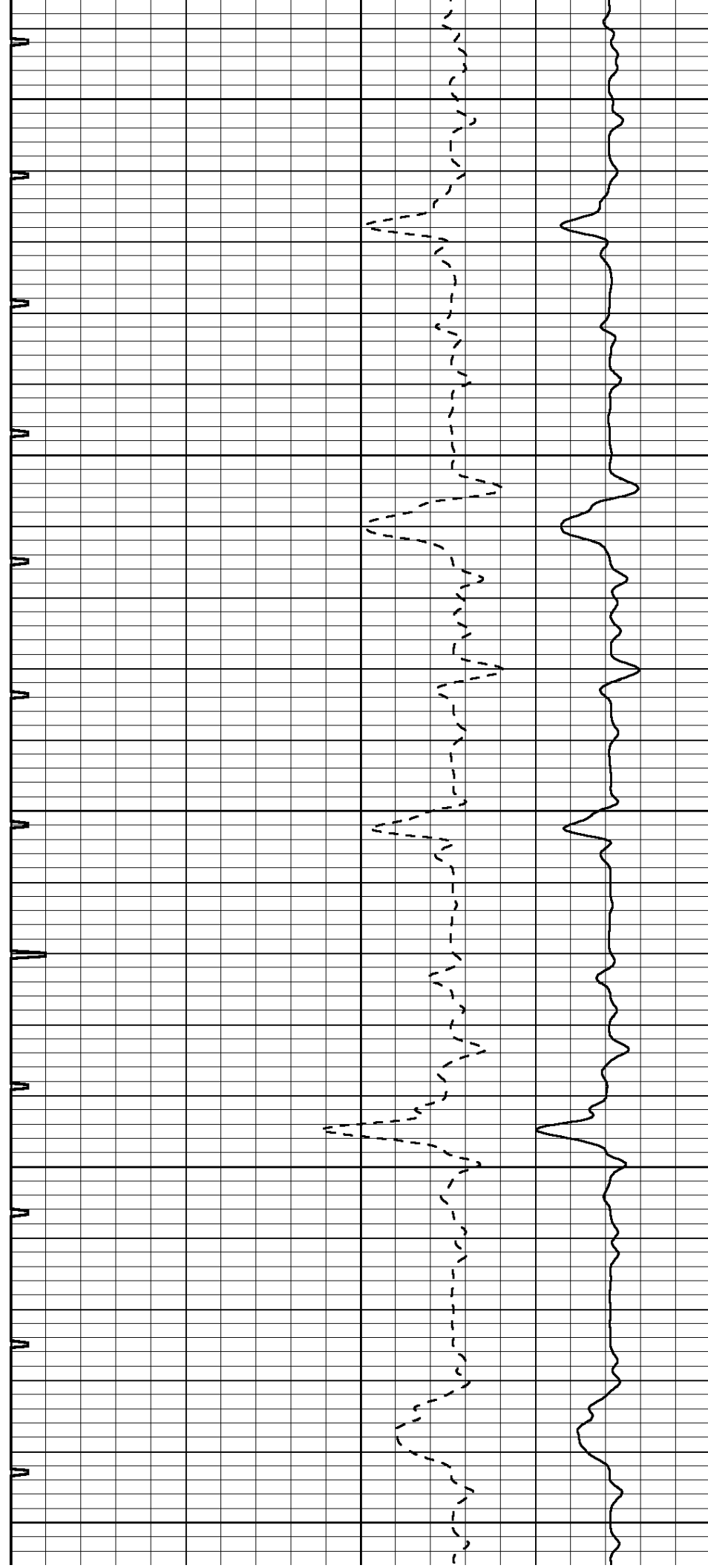
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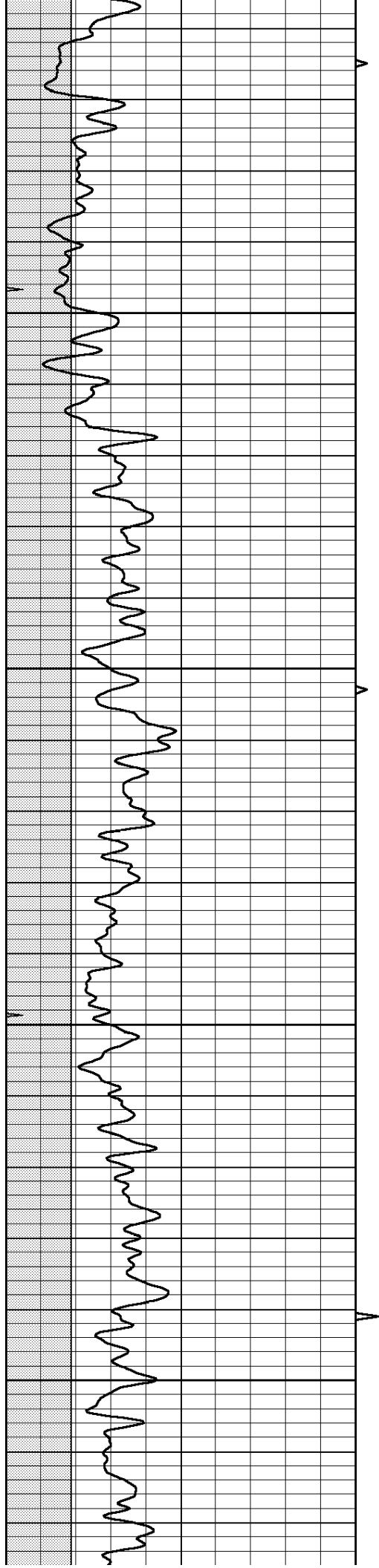
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1250



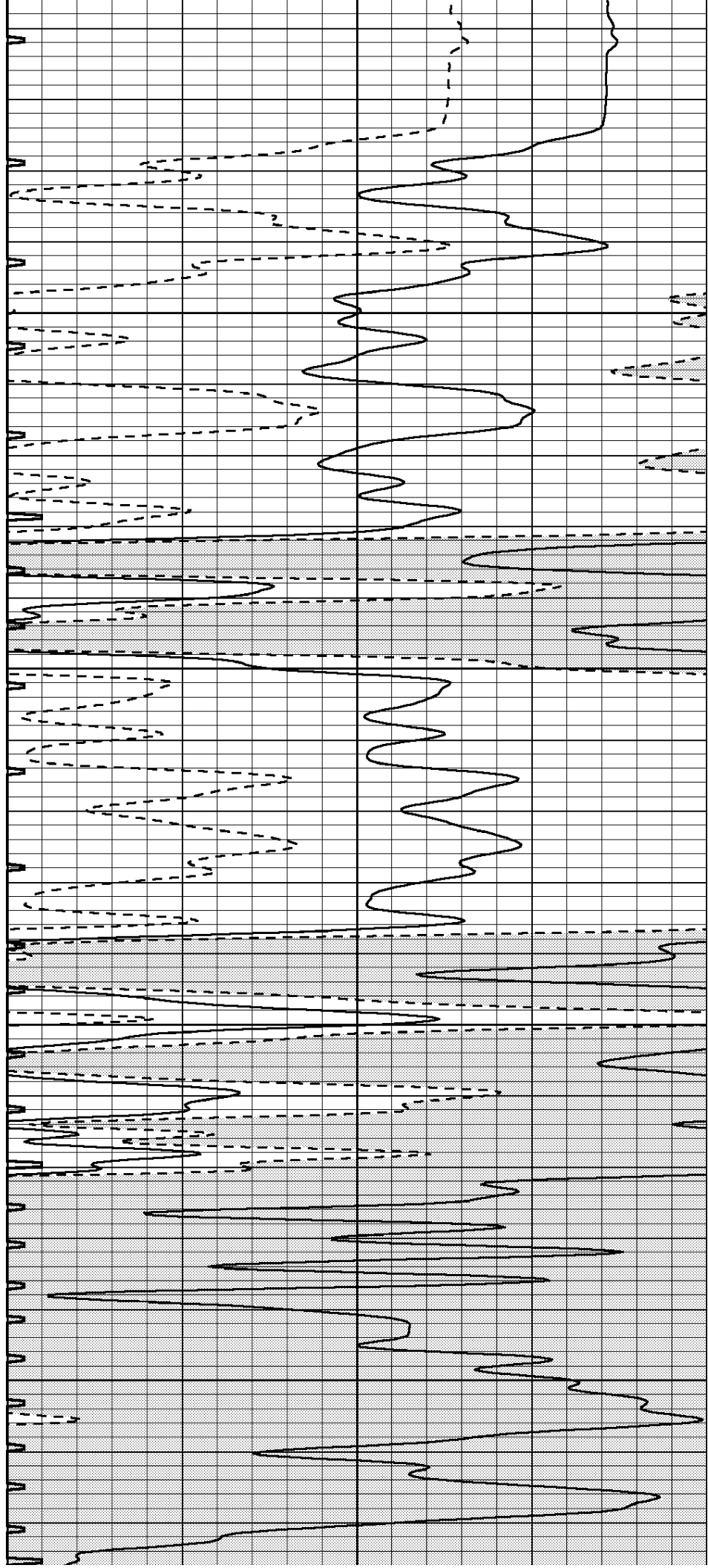


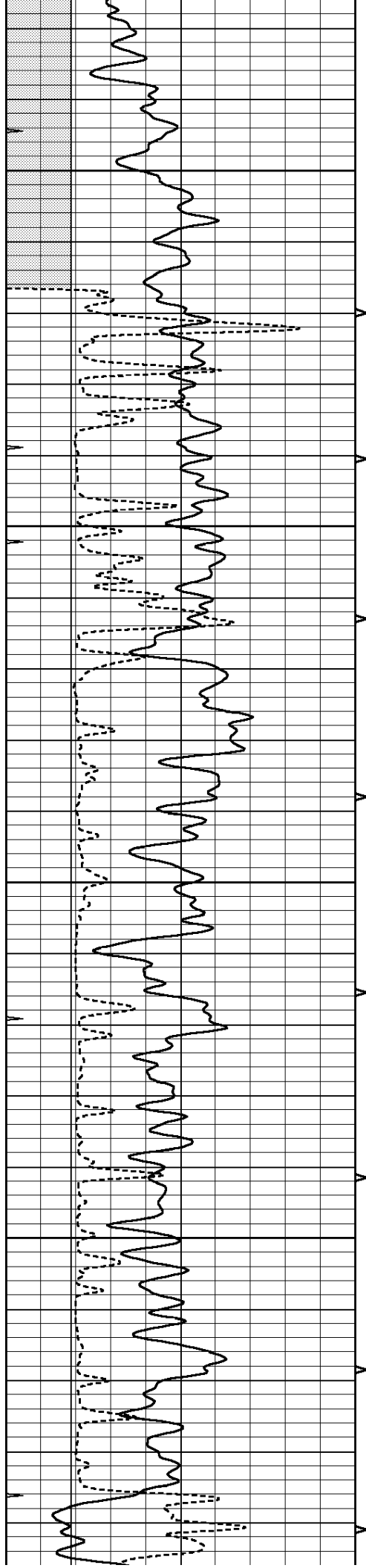
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1400

1450



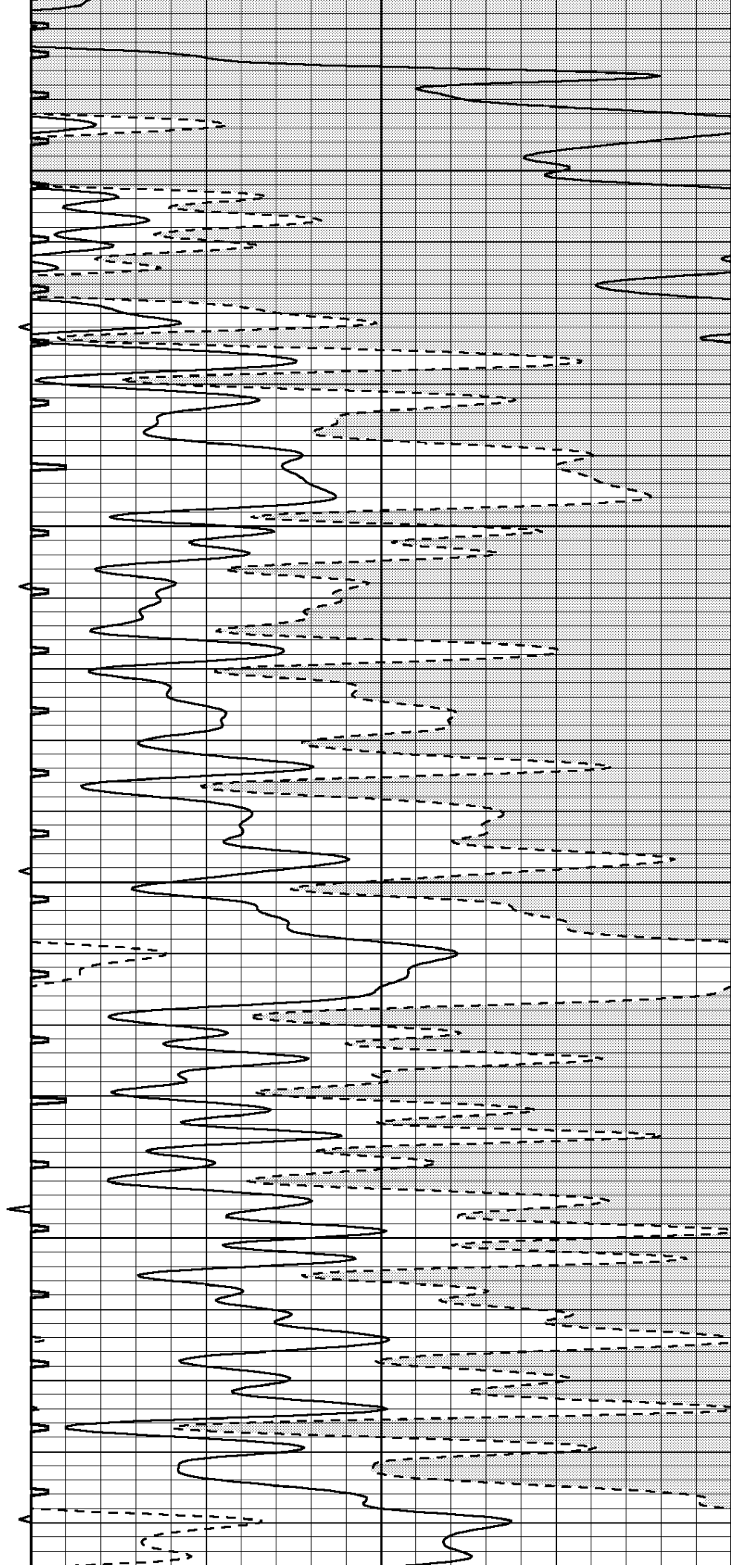


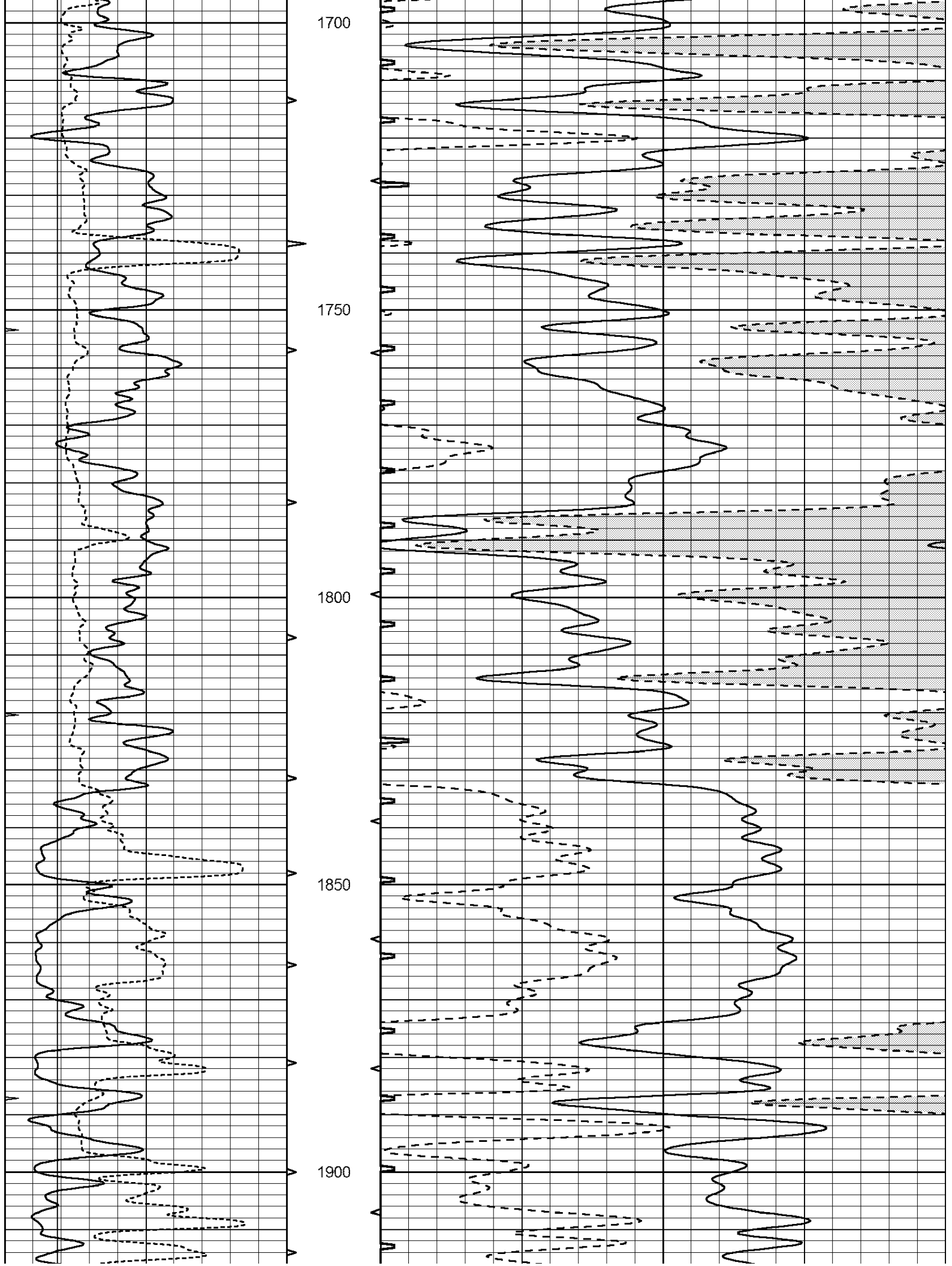
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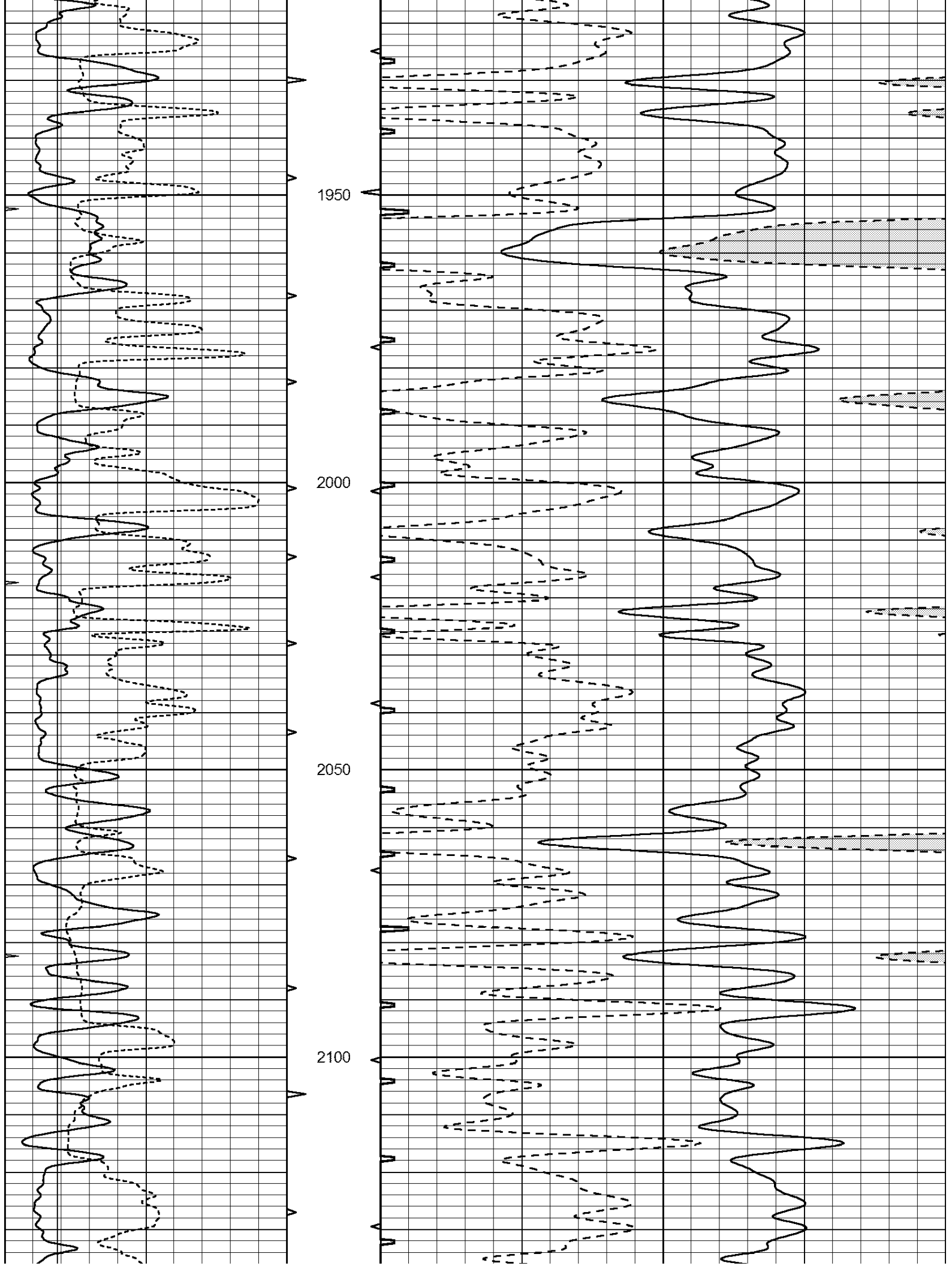
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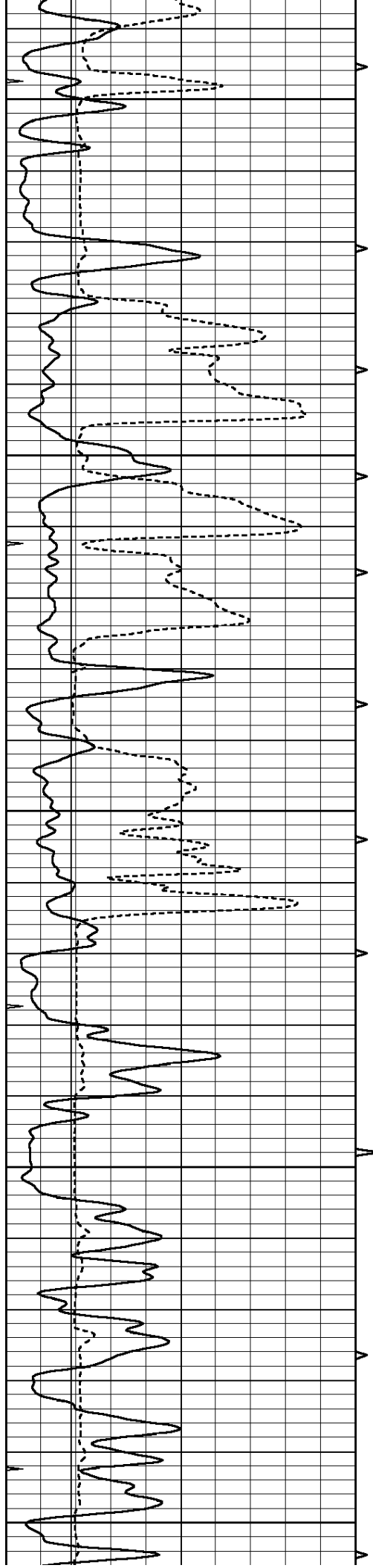
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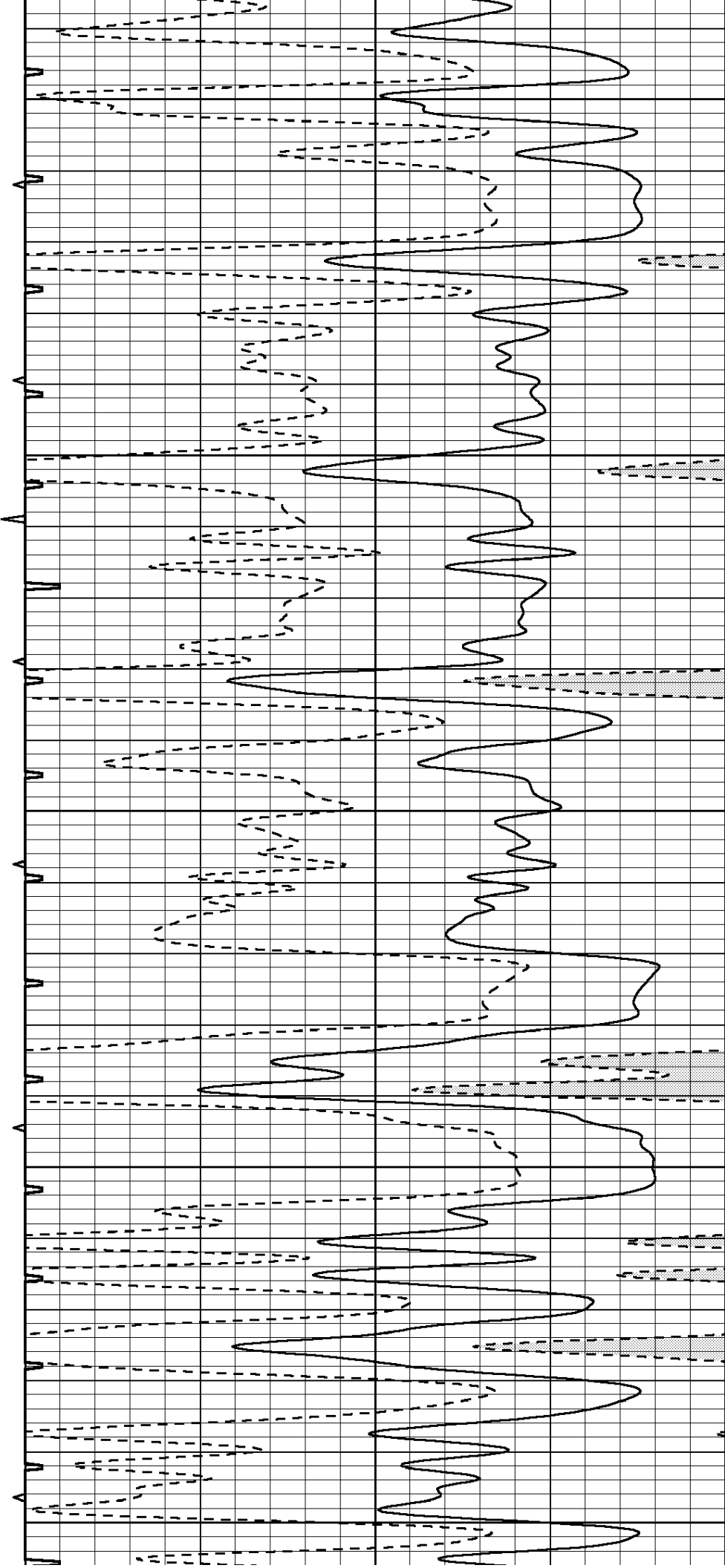
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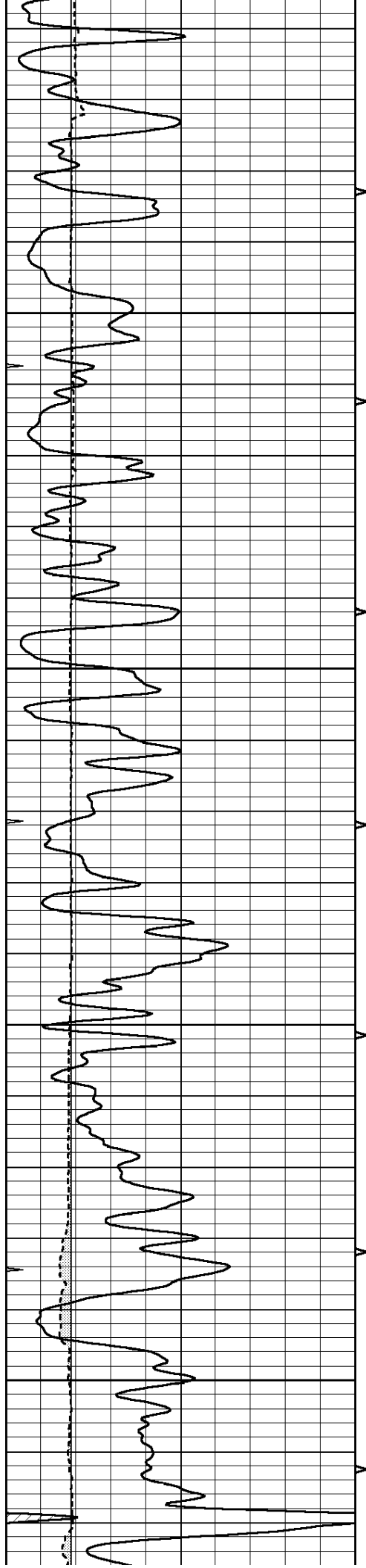
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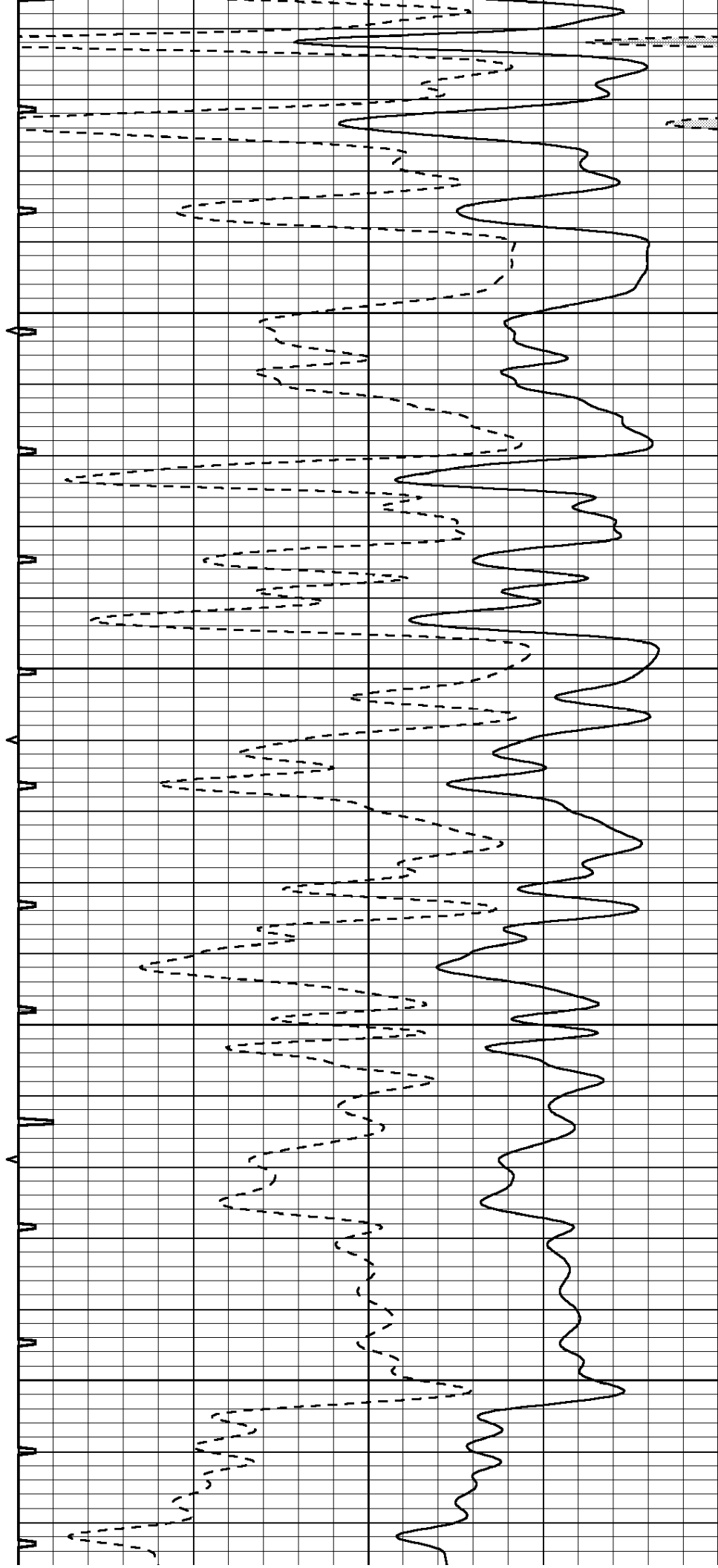


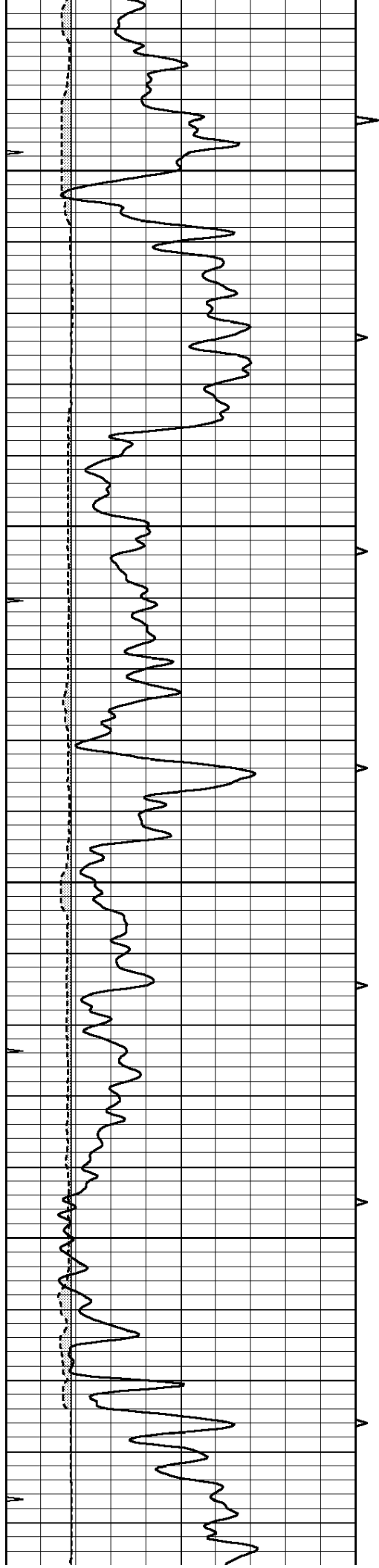
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2550



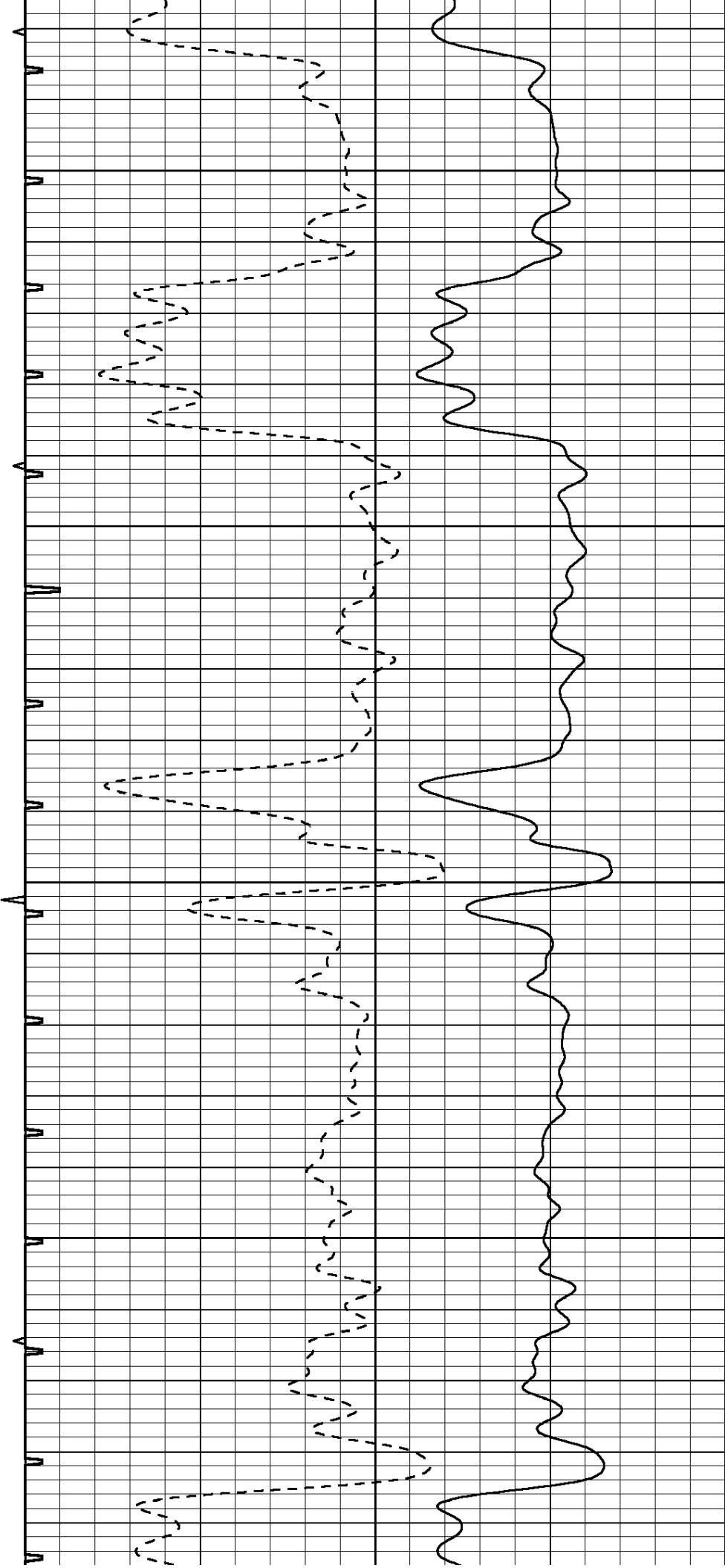


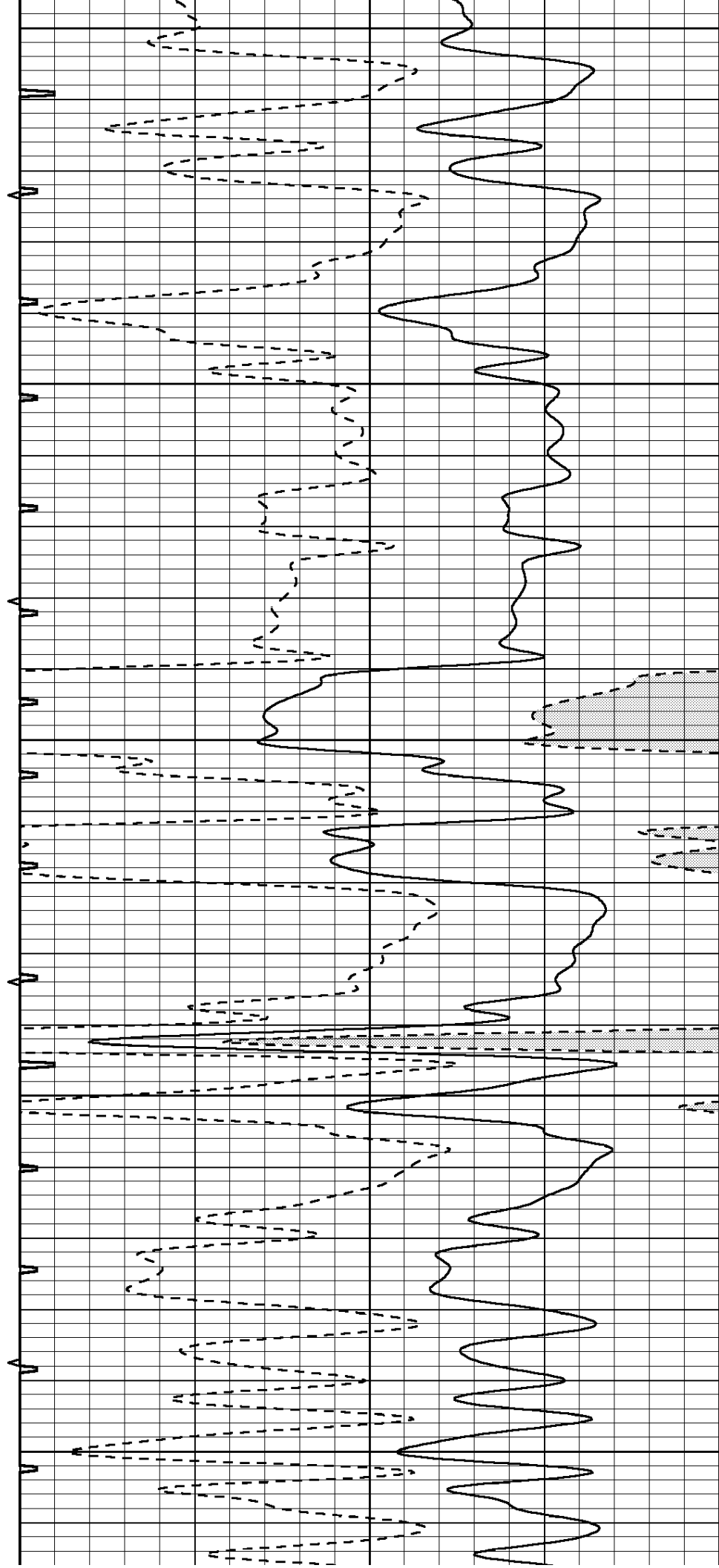
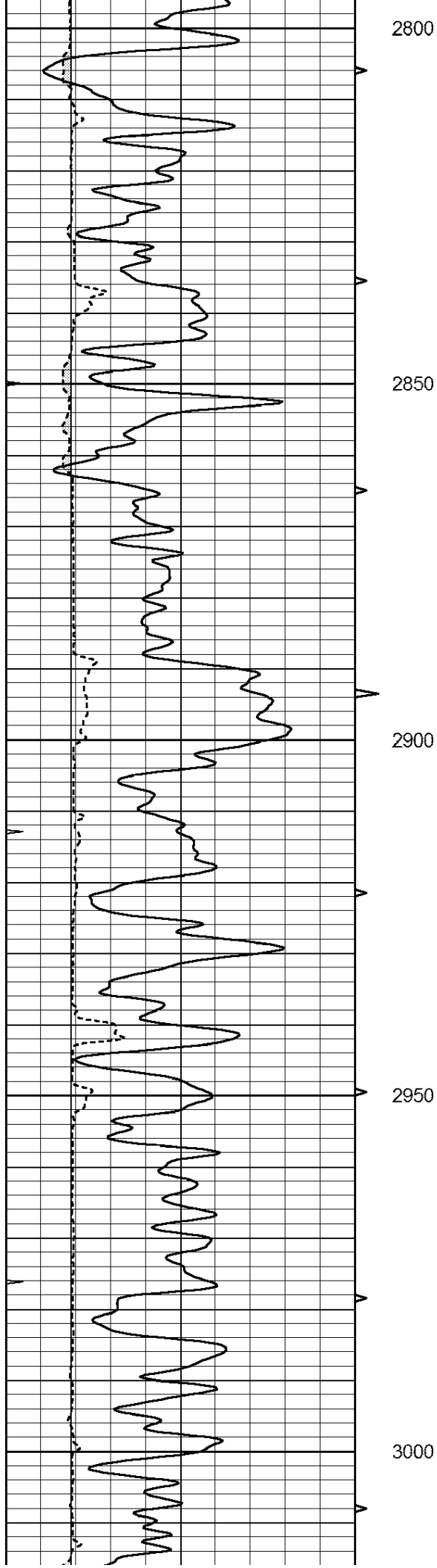
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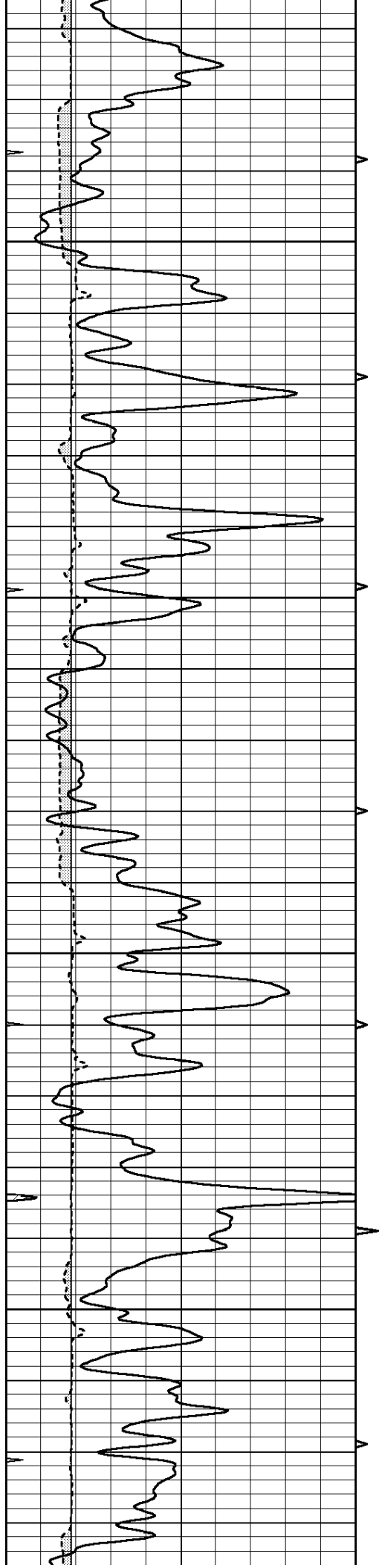
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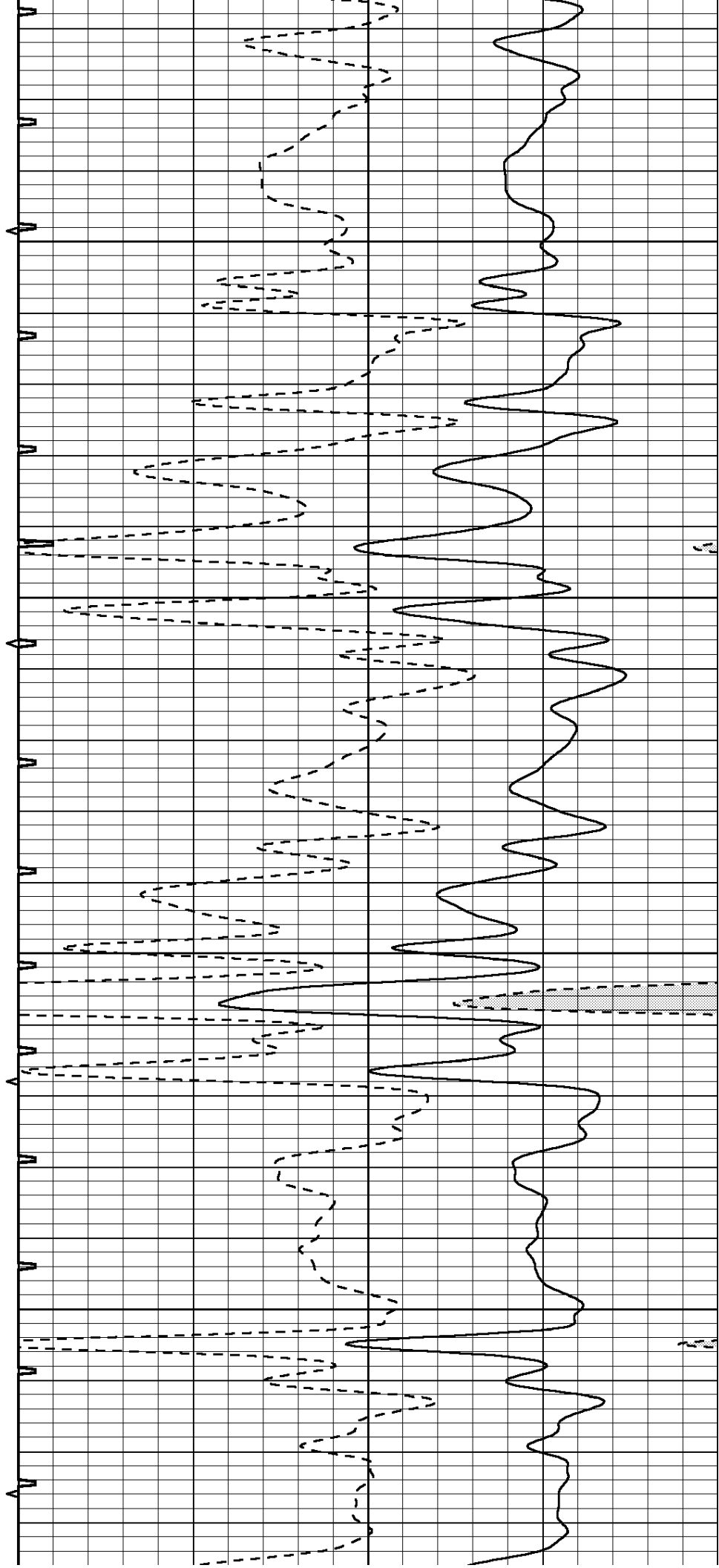


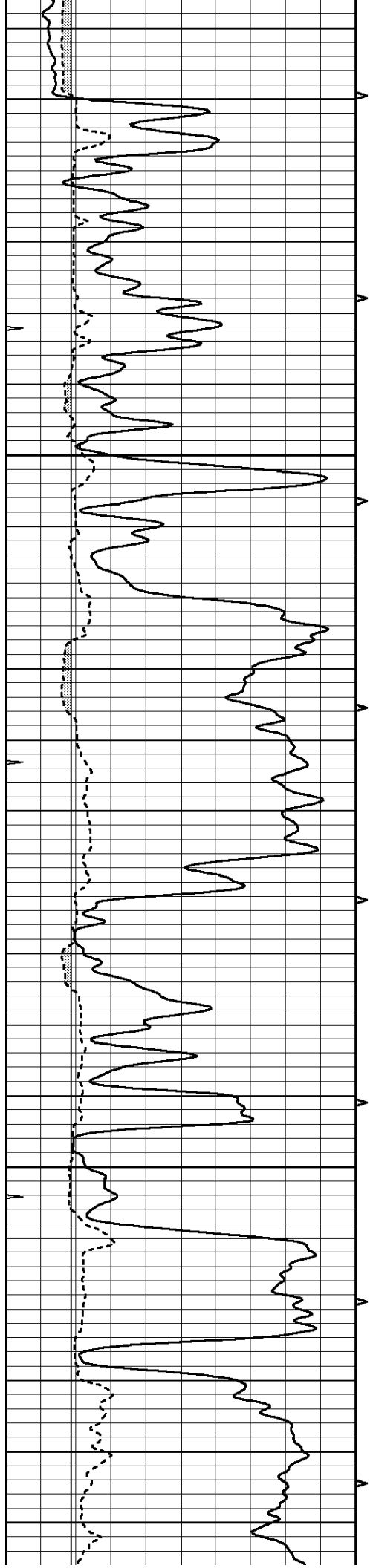
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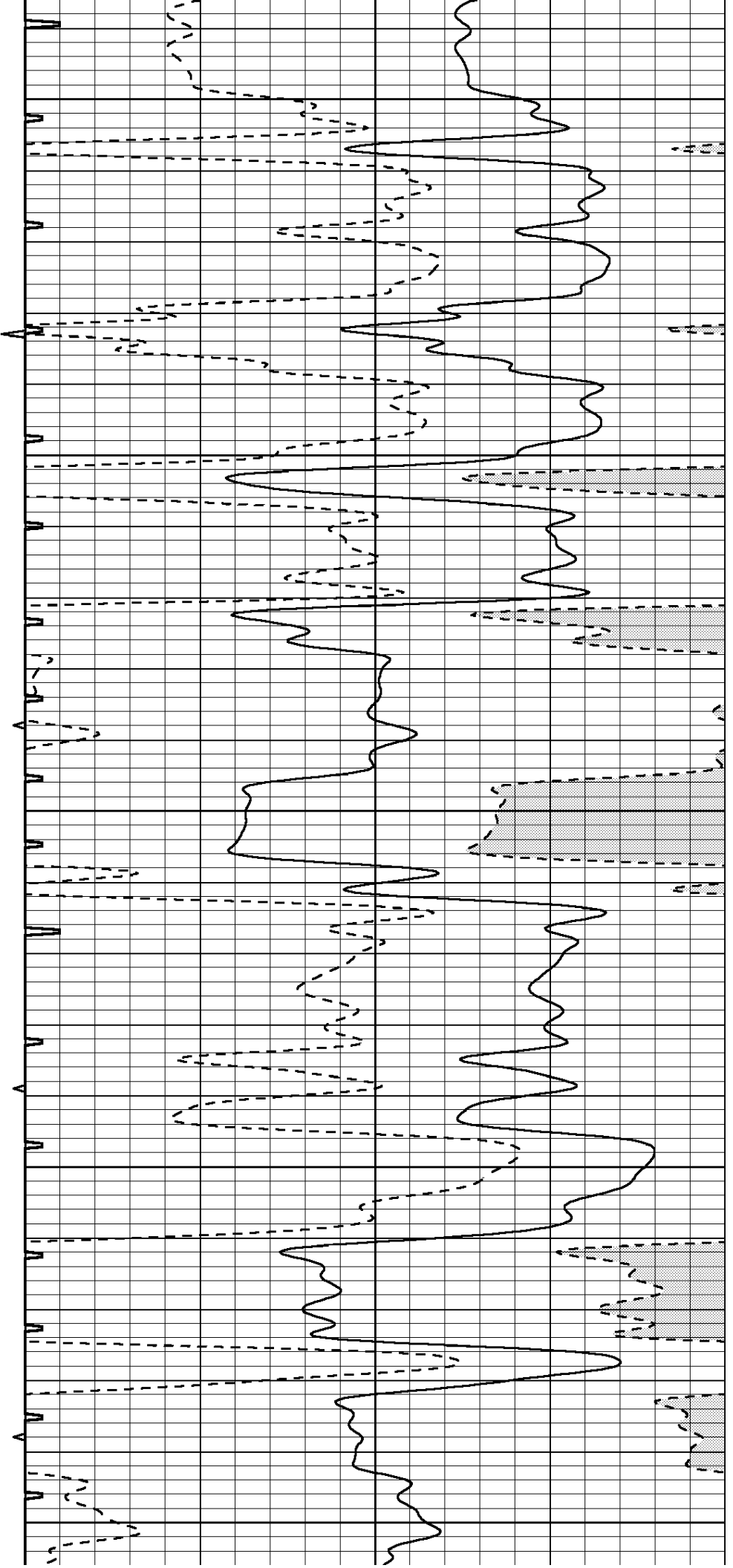
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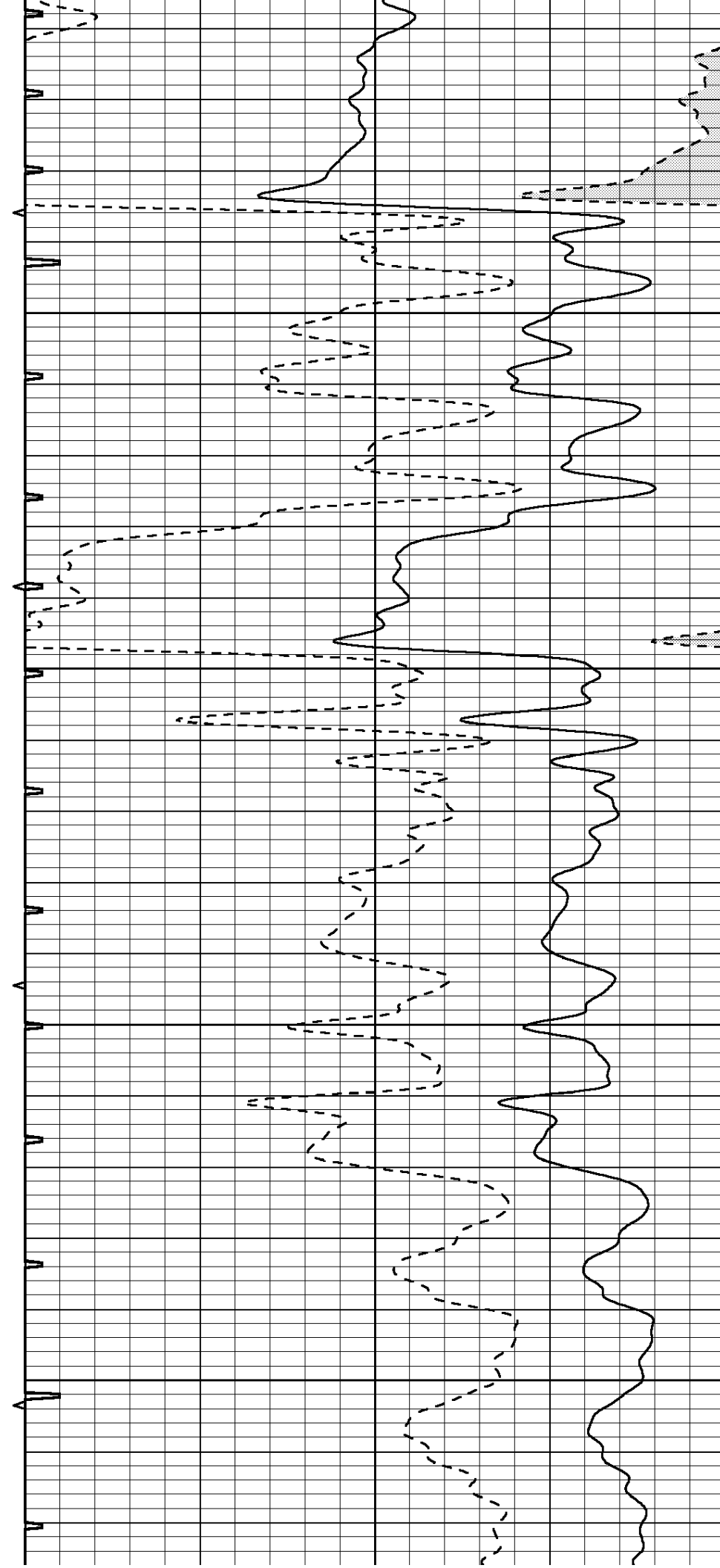
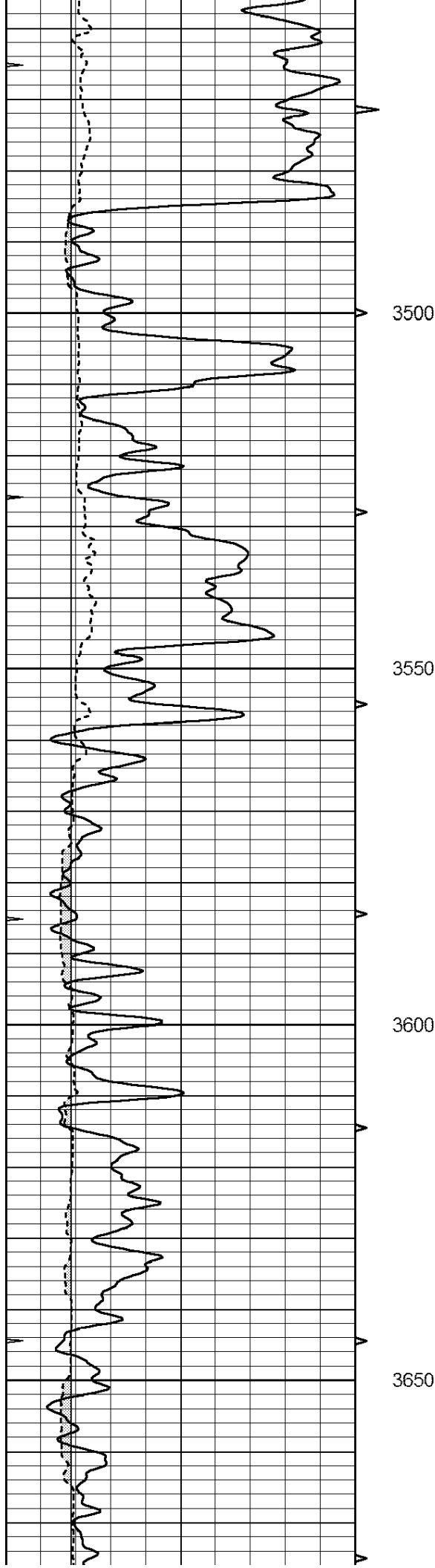
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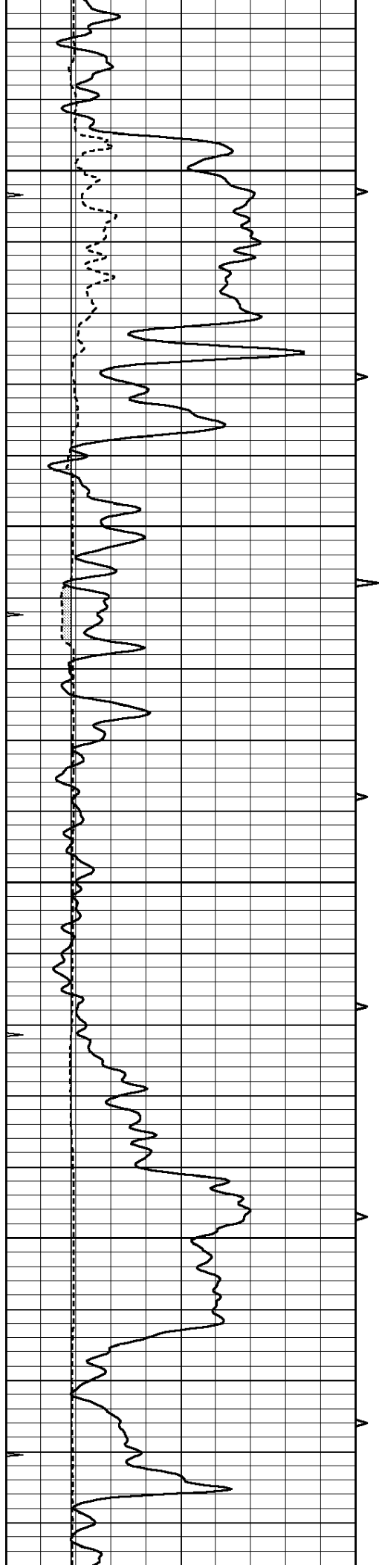
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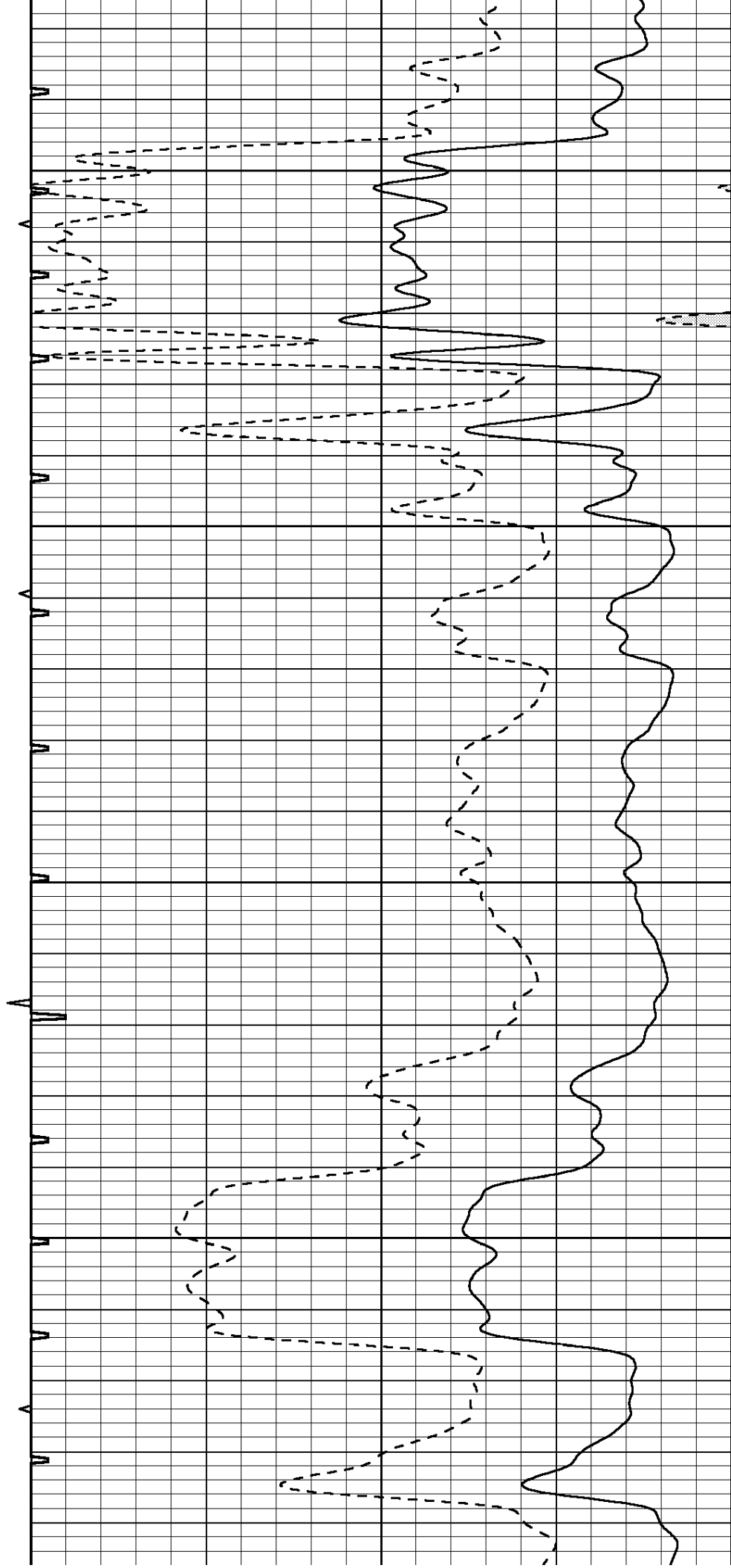


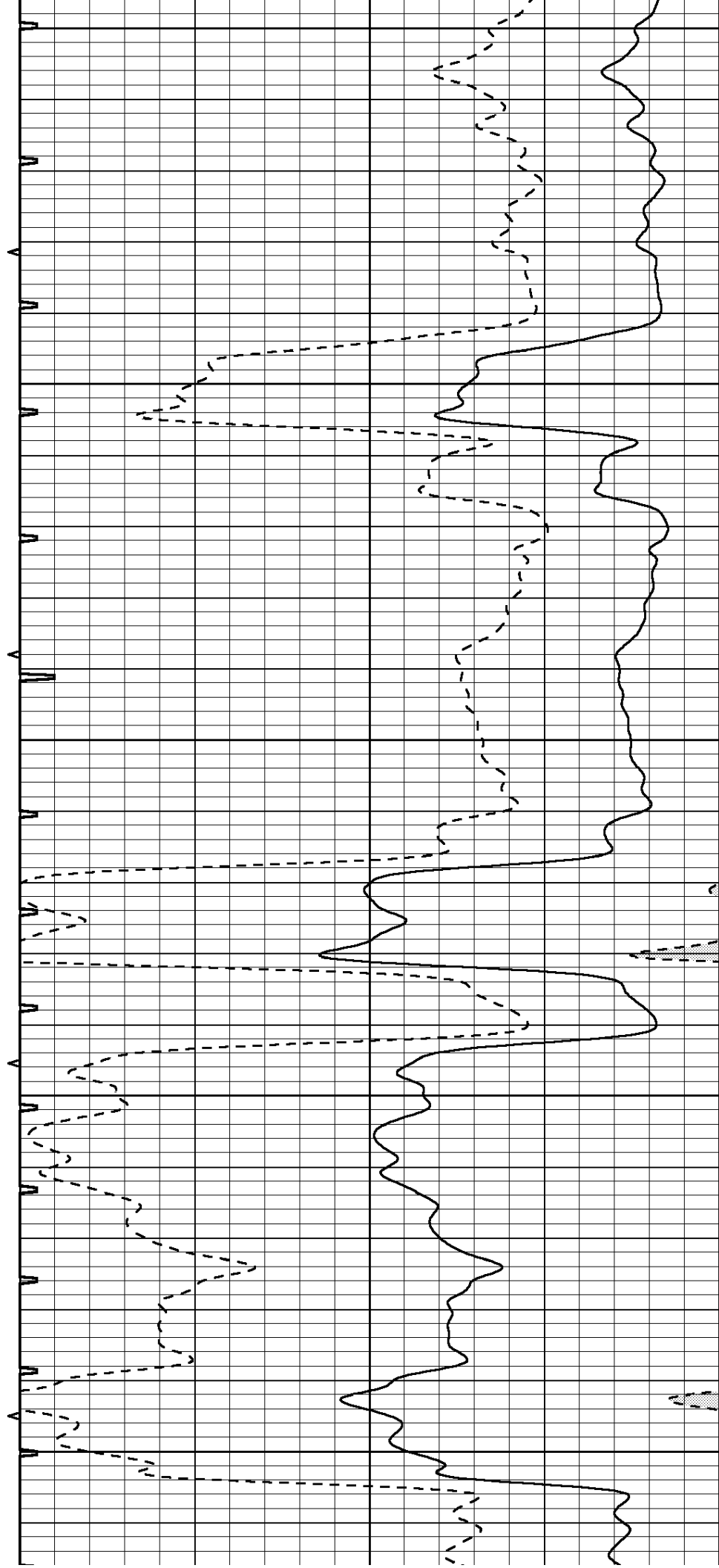
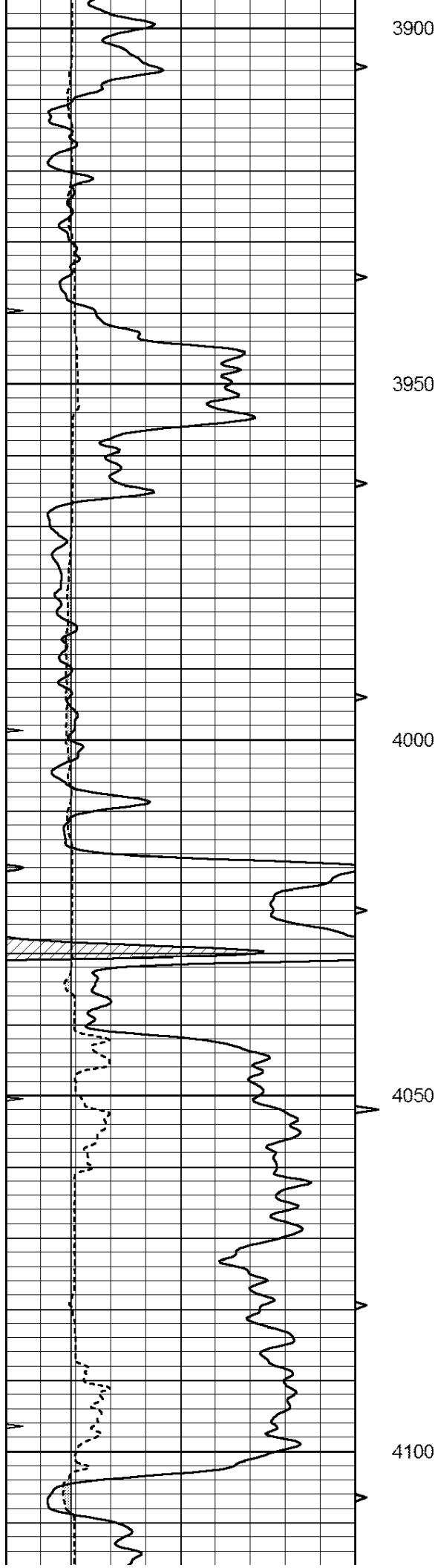
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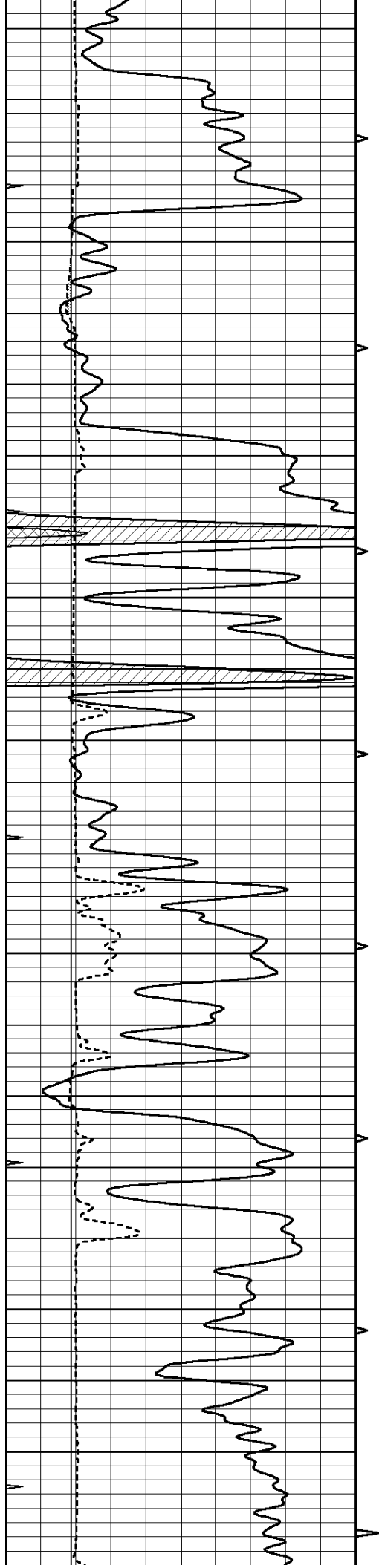
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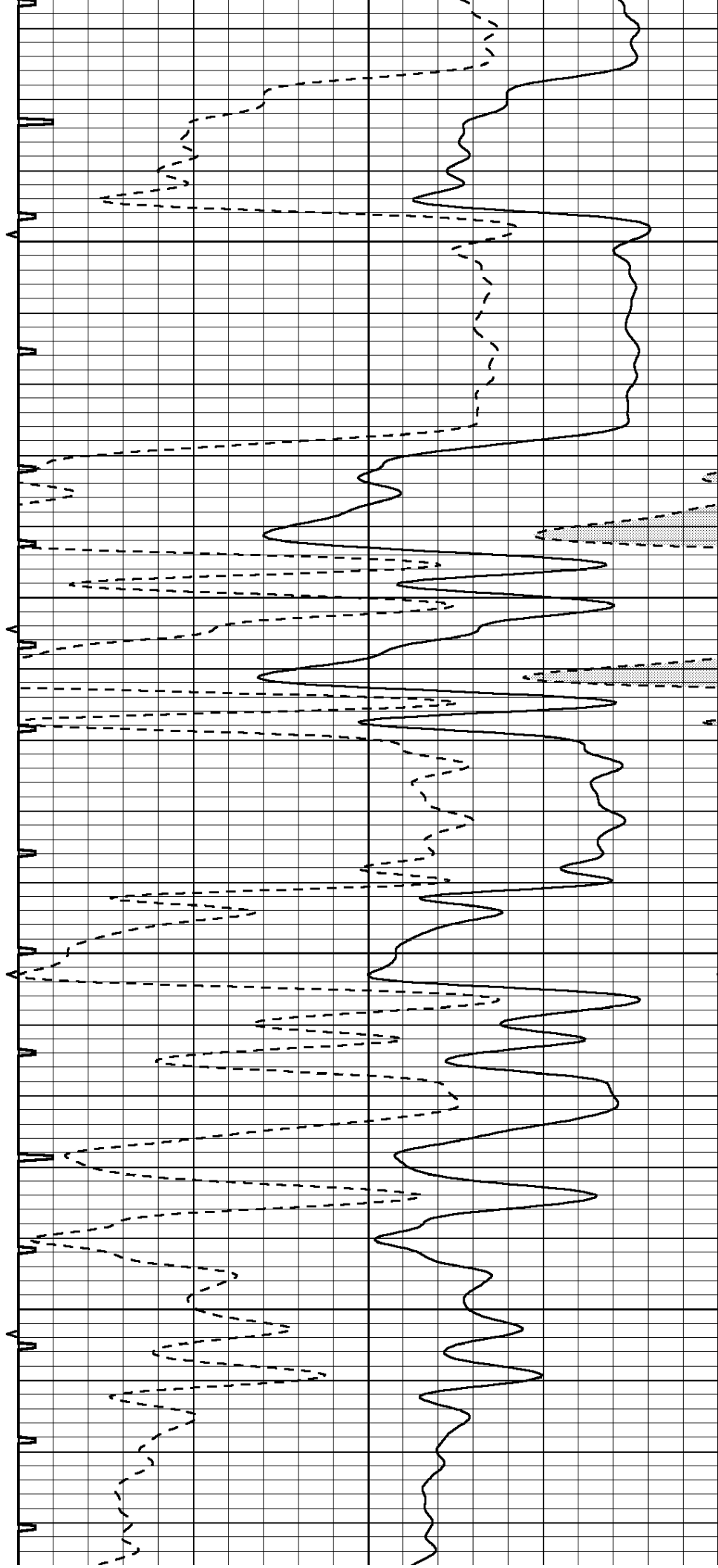


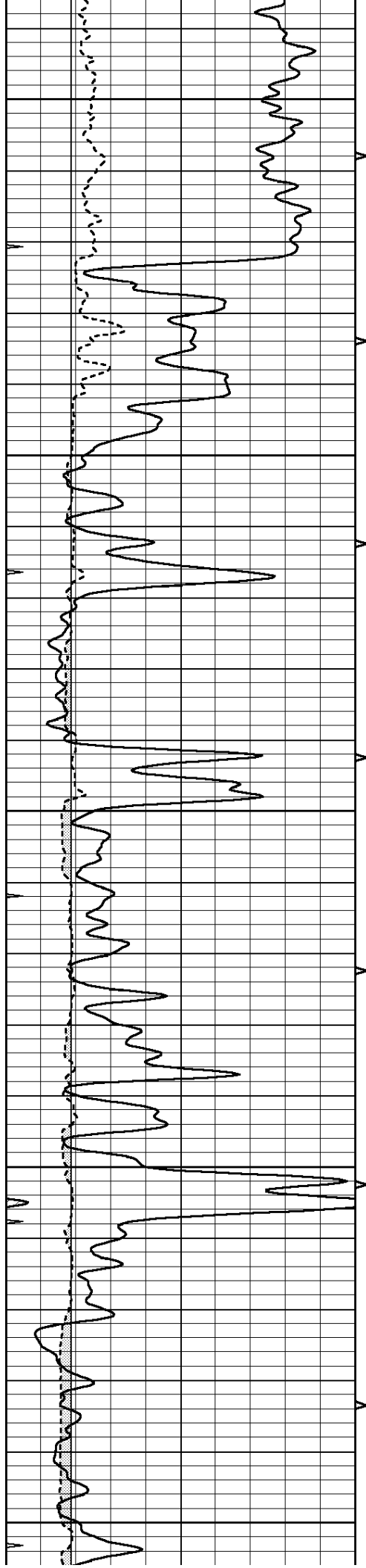
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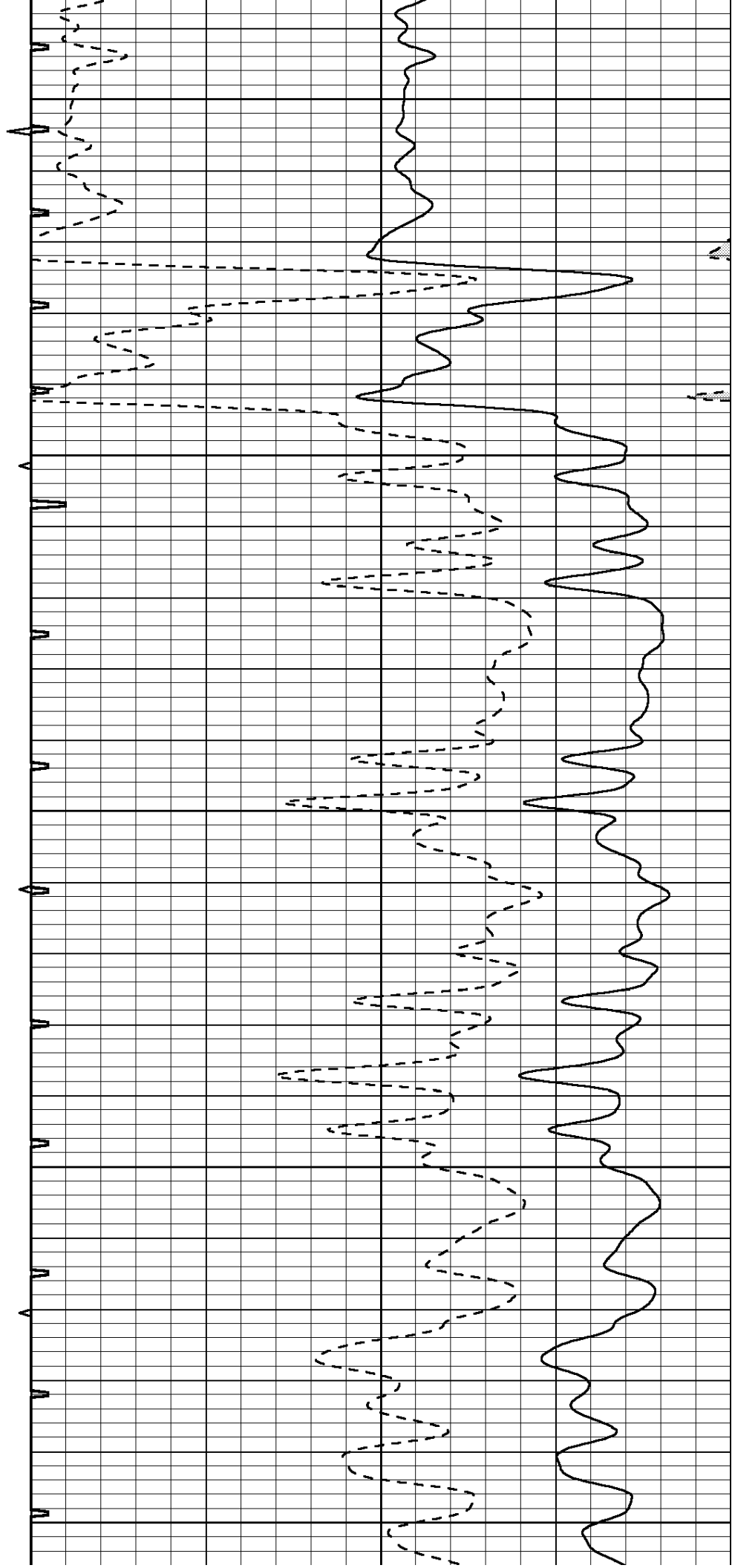
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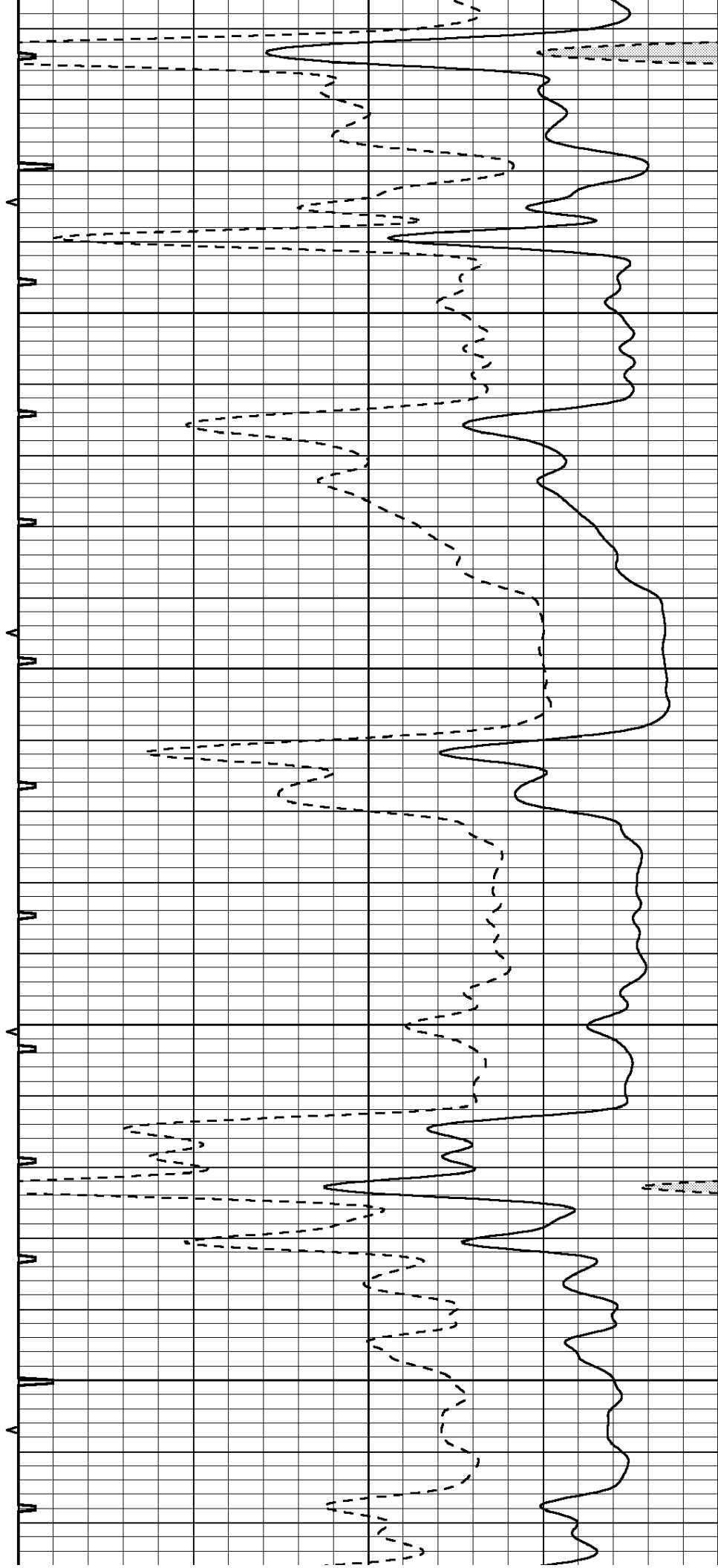
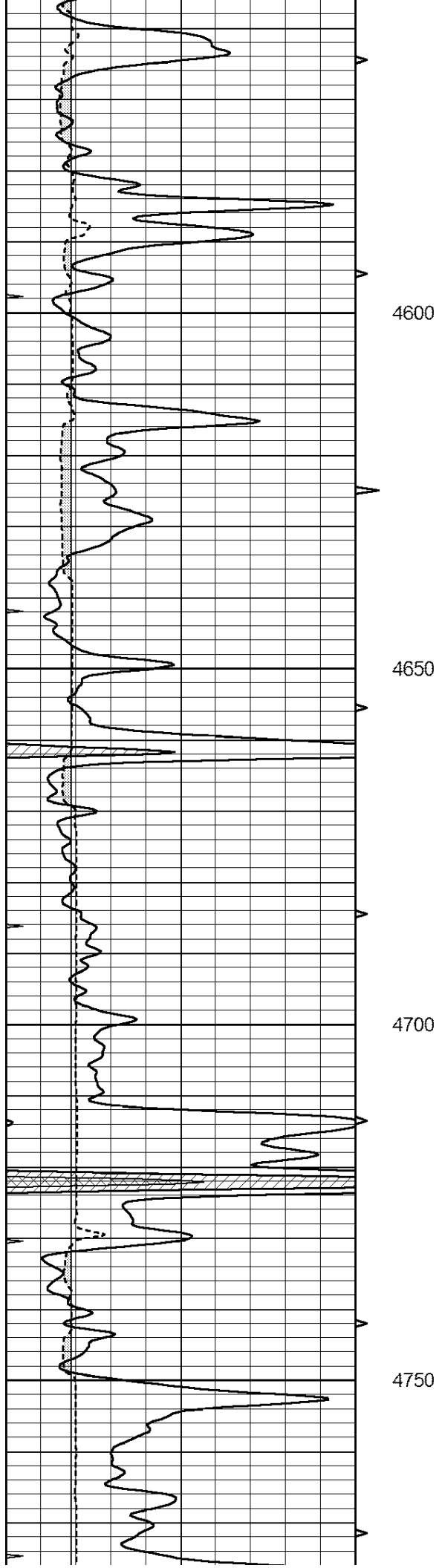
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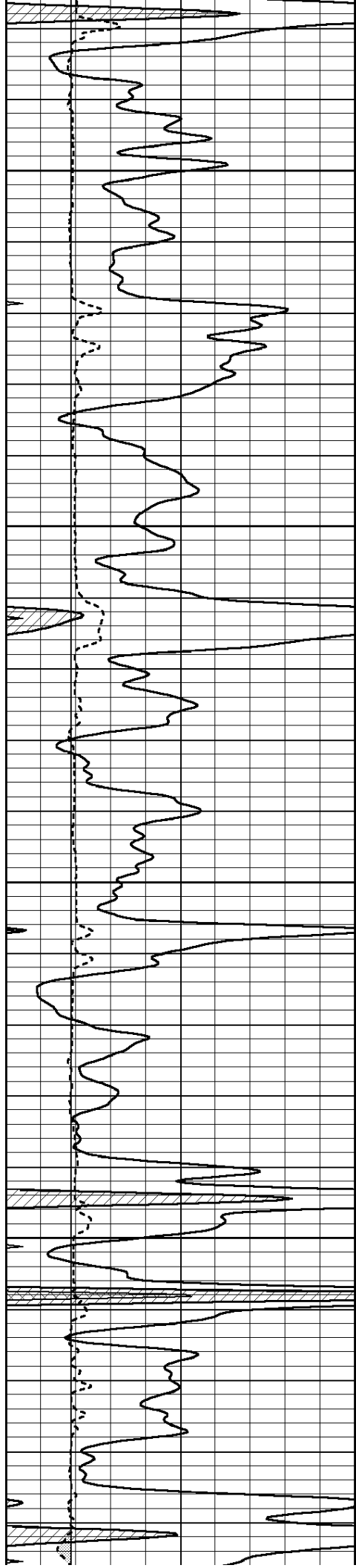
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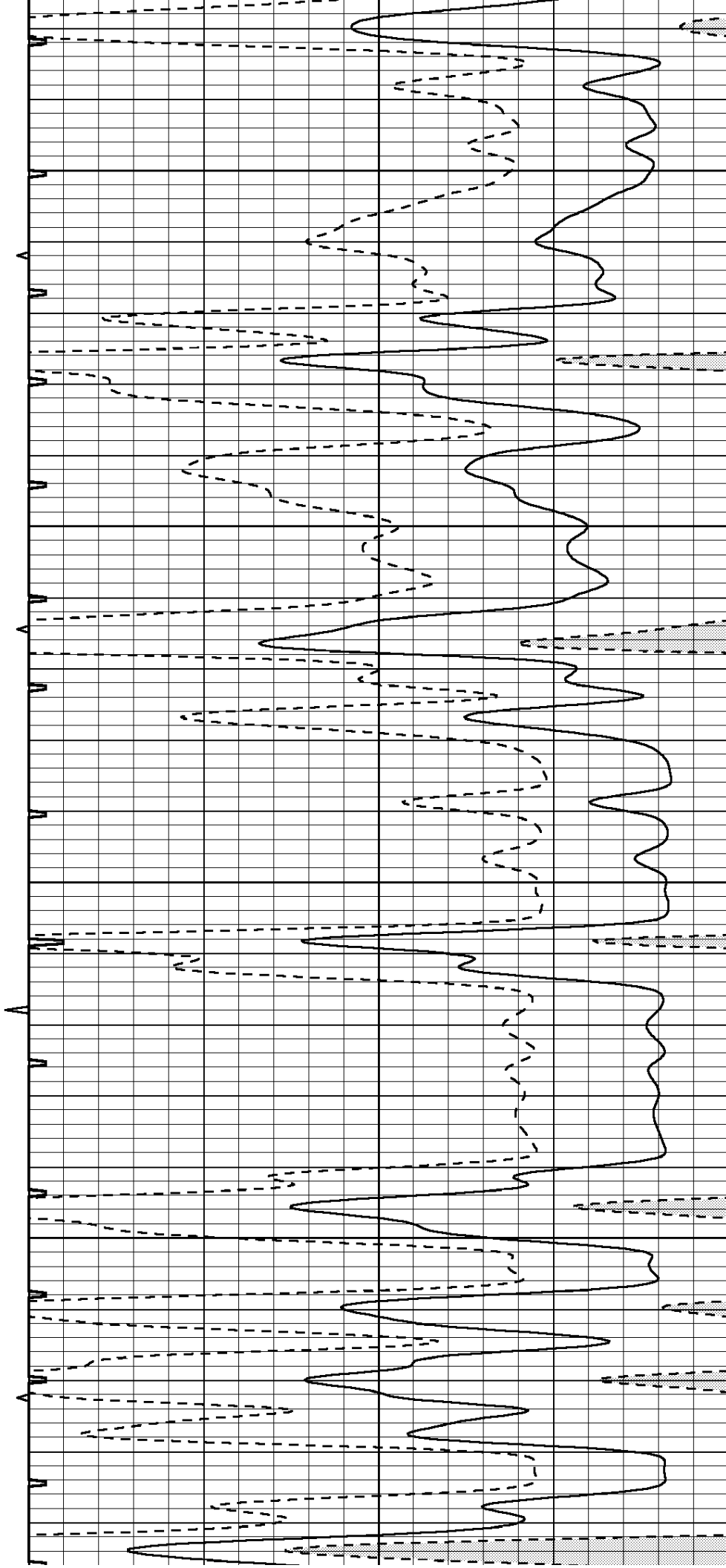


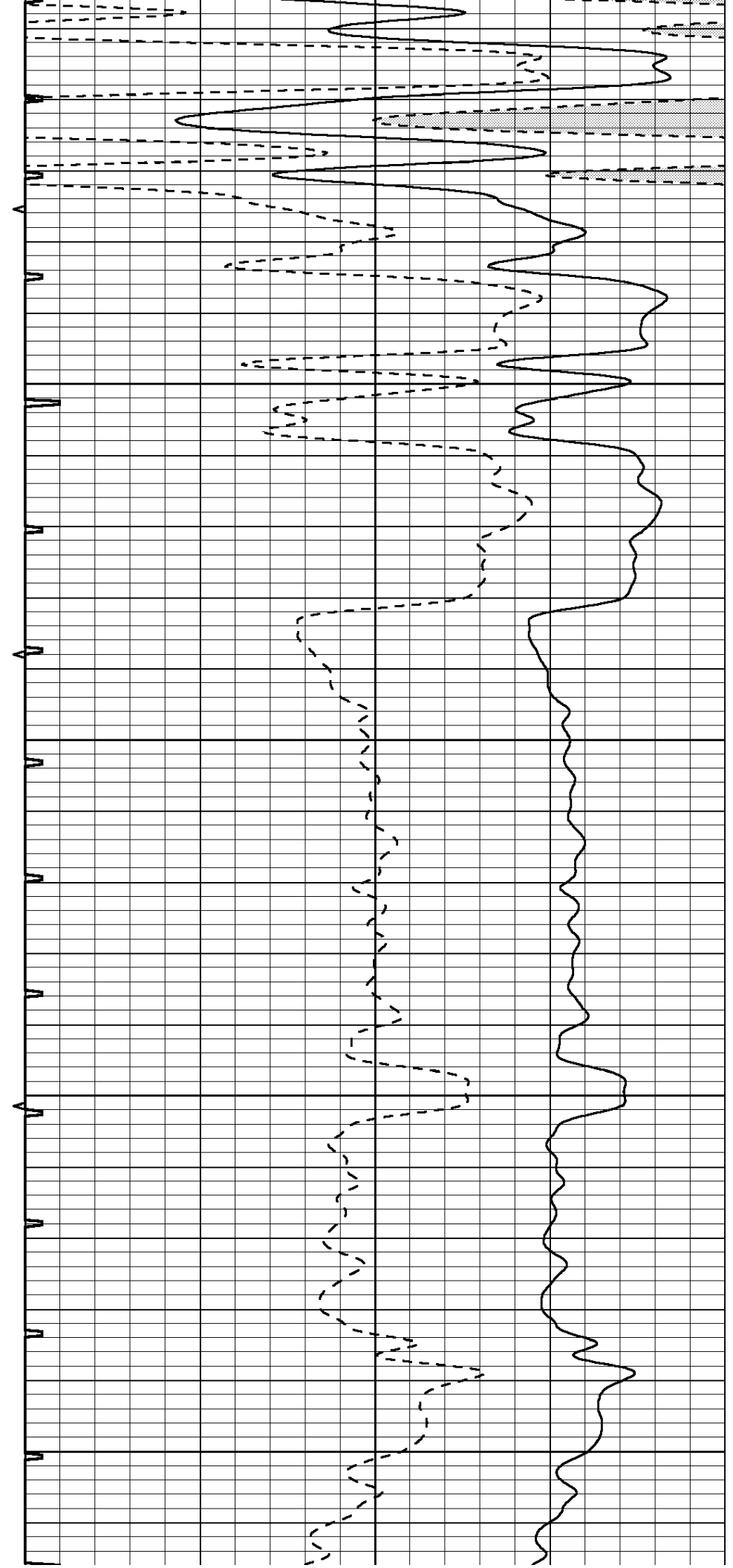
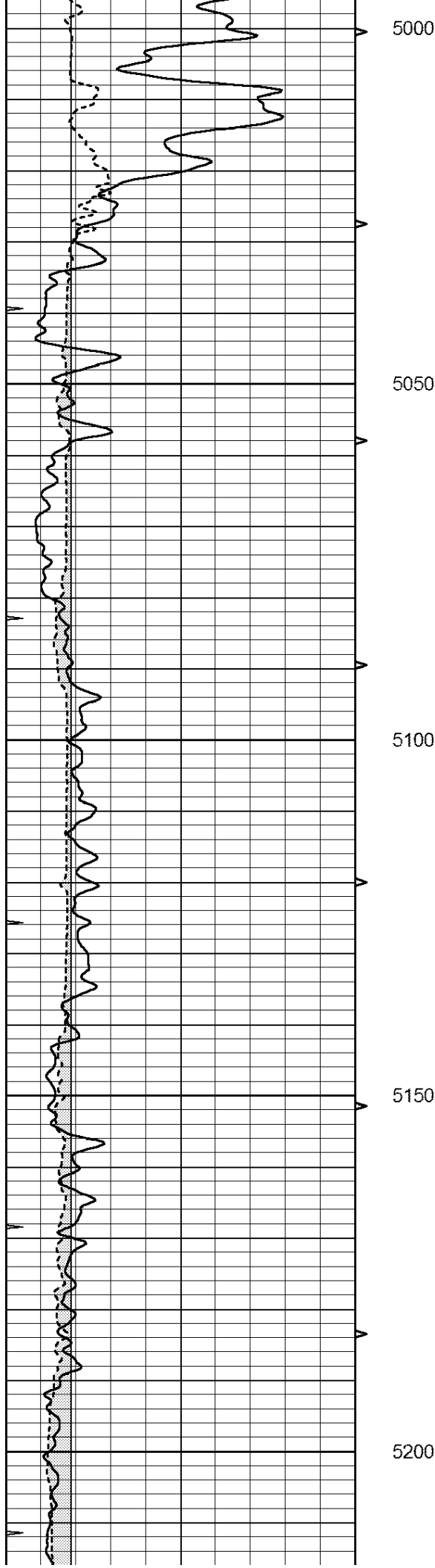
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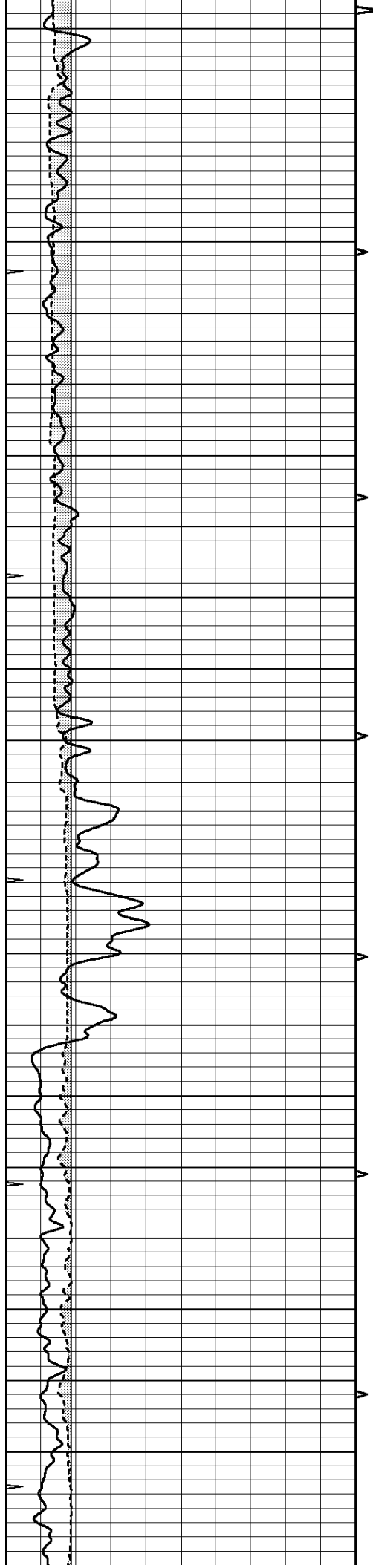
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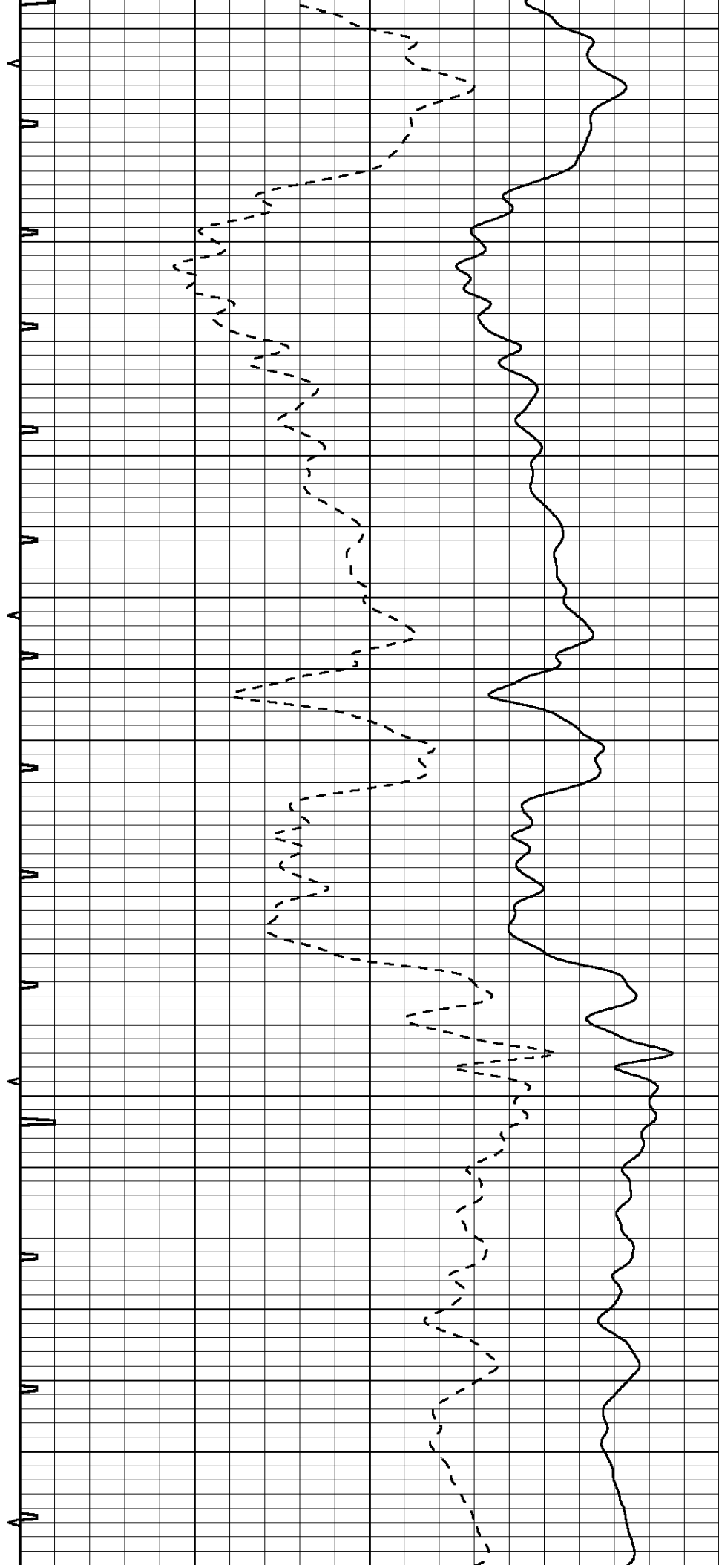


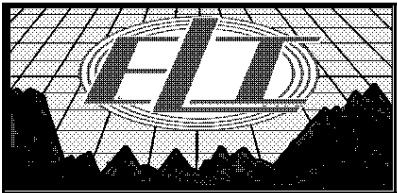
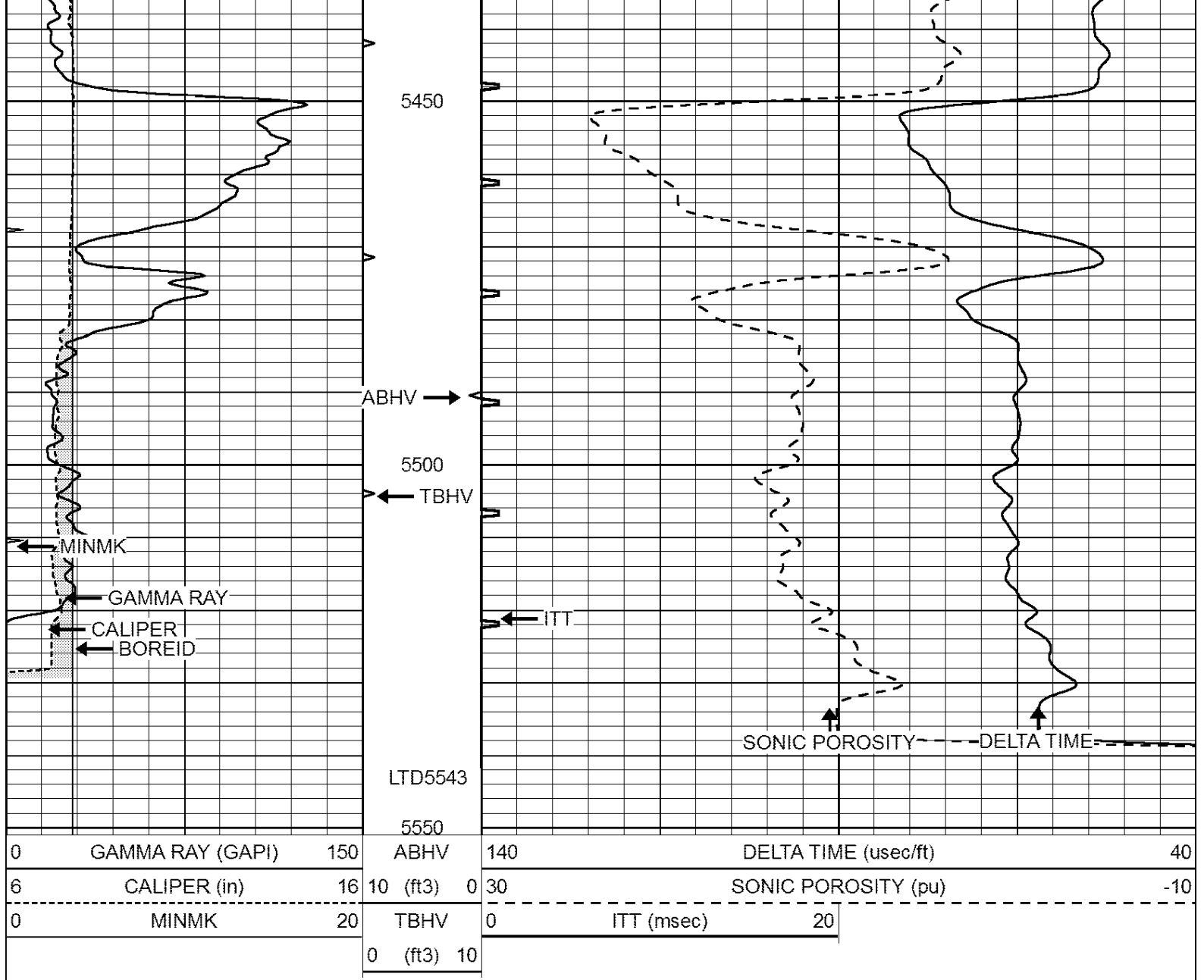
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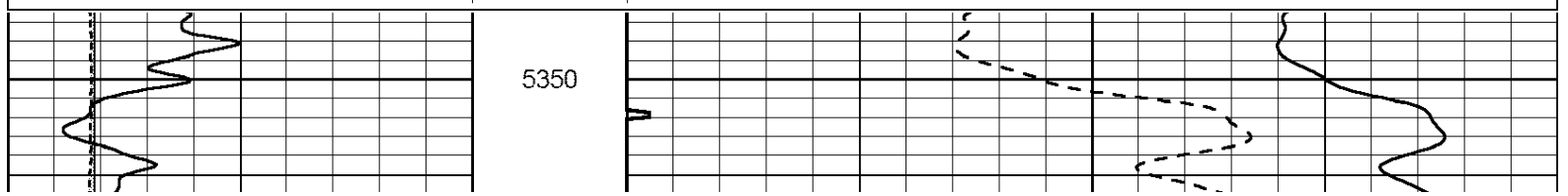
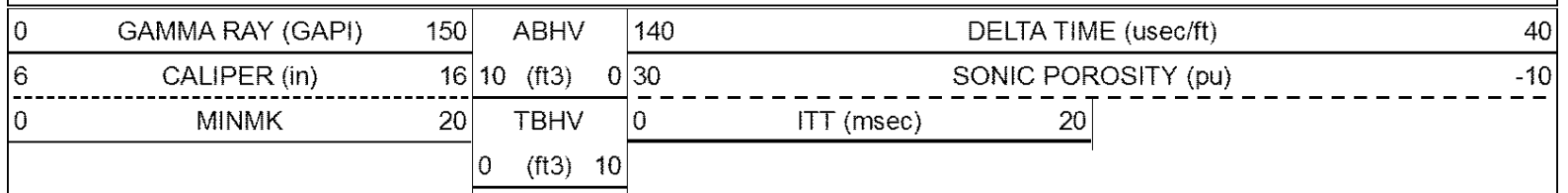
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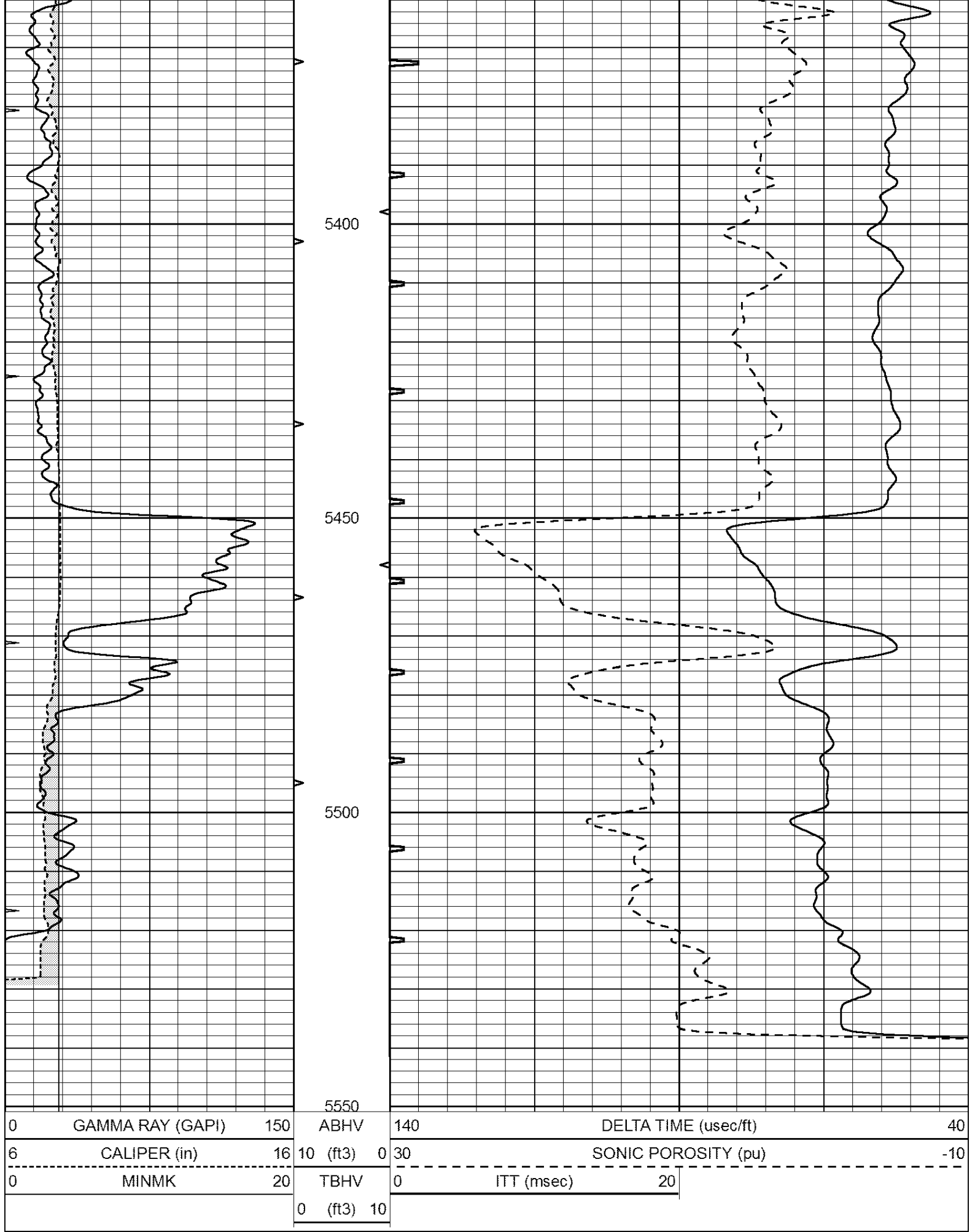




REPEAT SECTION

Database File: 2124pe.db
 Dataset Pathname: pass4.1
 Presentation Format: _slt
 Dataset Creation: Thu Jan 11 04:51:06 2018 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240





Database File: 2124pe.db
Dataset Pathname: pass4.1
Dataset Creation: Thu Jan 11 04:51:06 2018 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO6
Tool Model: PROBE
Performed: Wed Aug 16 17:13:39 2017

Caliper Calibration: Gain=3.960 Offset=4.551

	Low Cal	High Cal
References	7.000	14.000
Readings	0.555	2.323

1.5" Calibration: Gain=34.075 Offset=-0.800

	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.196

2" Calibration: Gain=38.000 Offset=-1.000

	Low Cal	High Cal
References	0.000	20.000
Readings	0.006	0.913

Gamma Ray Calibration Report

Serial Number: GR2
Tool Model: OPEN
Performed: Wed Aug 16 17:13:40 2017

Calibrator Value: 1.0 GAPI

Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps

Sensitivity: 0.3800 GAPI/cps