



SONIC LOG

Company JASPAR CO.
 Well LARRY #1
 Field UNNAMED
 County ROOKS
 State KANSAS

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 Field UNNAMED
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Location: API # : 15-163-24347-00-00
 330' FSL & 2290' FWL
 SEC 20 TWP 9S RGE 19W
 Permanent Datum GROUND LEVEL Elevation 2141'
 Log Measured From KELLY BUSHING 5' A.G.L.
 Drilling Measured From KELLY BUSHING
 Other Services CDL/CNL/DIL MEL
 Elevation K.B. 2148'
 D.F. 2144'
 G.L. 2141'

Date	11/19/17
Run Number	TWO
Depth Driller	3595
Depth Logger	3599
Bottom Logged Interval	3590
Top Log Interval	00
Casing Driller	8 5/8" @ 218
Casing Logger	218
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.1/48
pH / Fluid Loss	10.0/8.0
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.95@50
Rmt @ Meas. Temp	.71@50
Rmc @ Meas. Temp	1.14@50
Source of Rmf / Rmc	MEASURED
Rm @ BHT	.42@112
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	///
Maximum Recorded Temperature	112F
Equipment Number	4010
Location	HAYS, KANSAS
Recorded By	GUS PFANENSTIEL
Witnessed By	JEFF LAWLER

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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

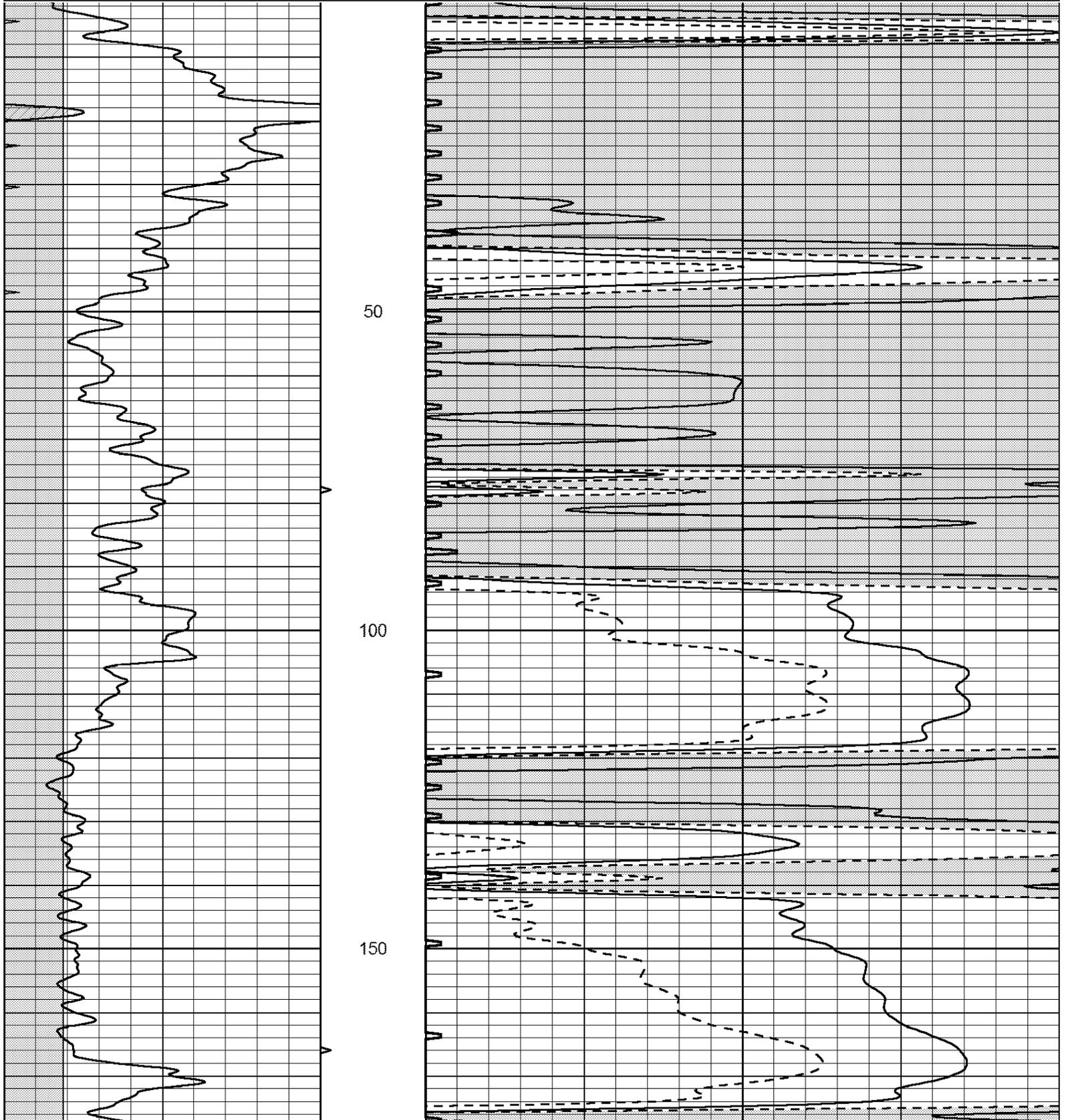
DIRECTIONS
 ZURICH WEST 1 MILE, NORTH 1,
 3/4 WEST, NORTH INTO.

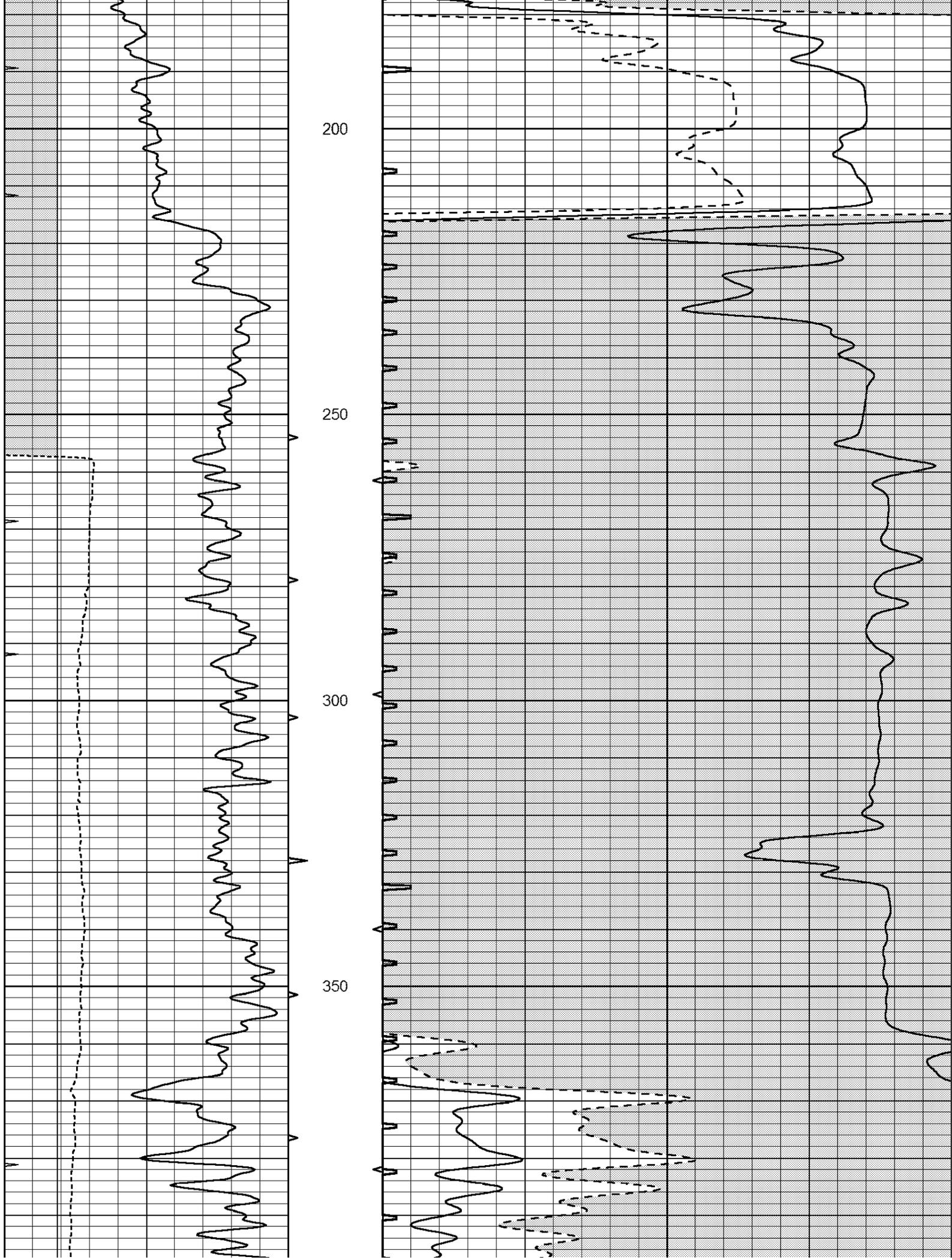


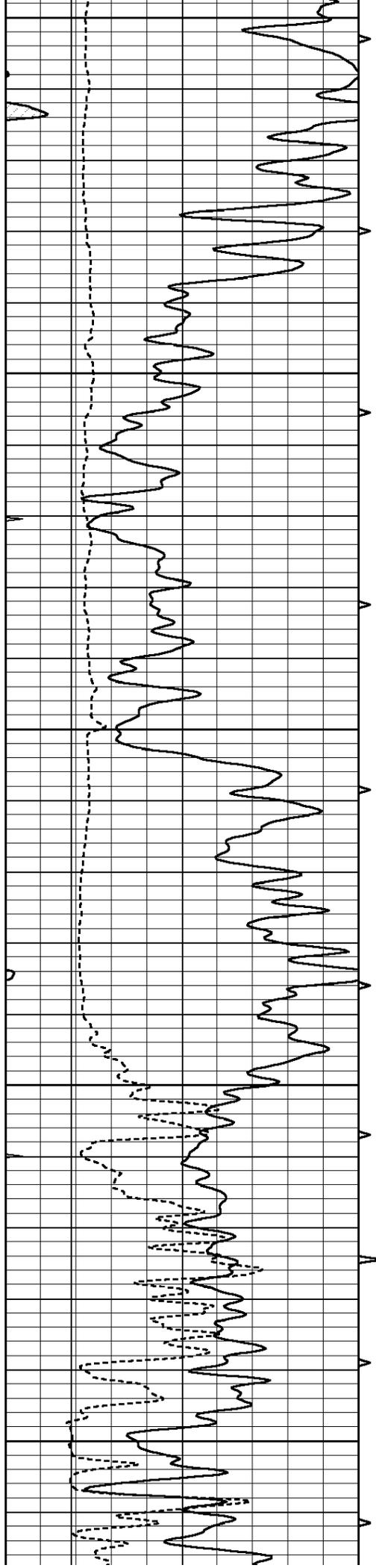
MAIN PASS

Database File: 2110ddn.db
 Dataset Pathname: pass5.1
 Presentation Format: _slt
 Dataset Creation: Sun Nov 19 08:05:50 2017 by Calc 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			







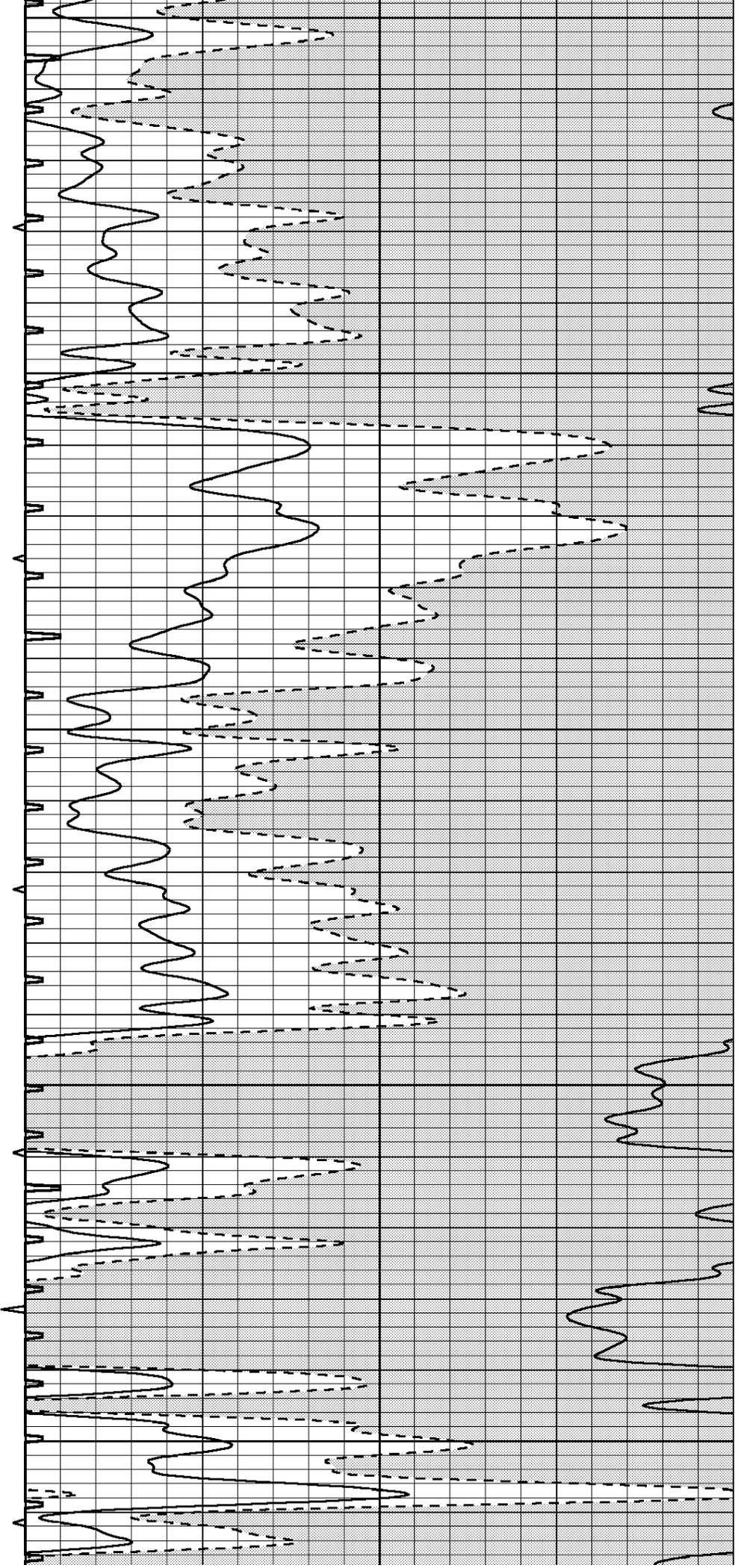
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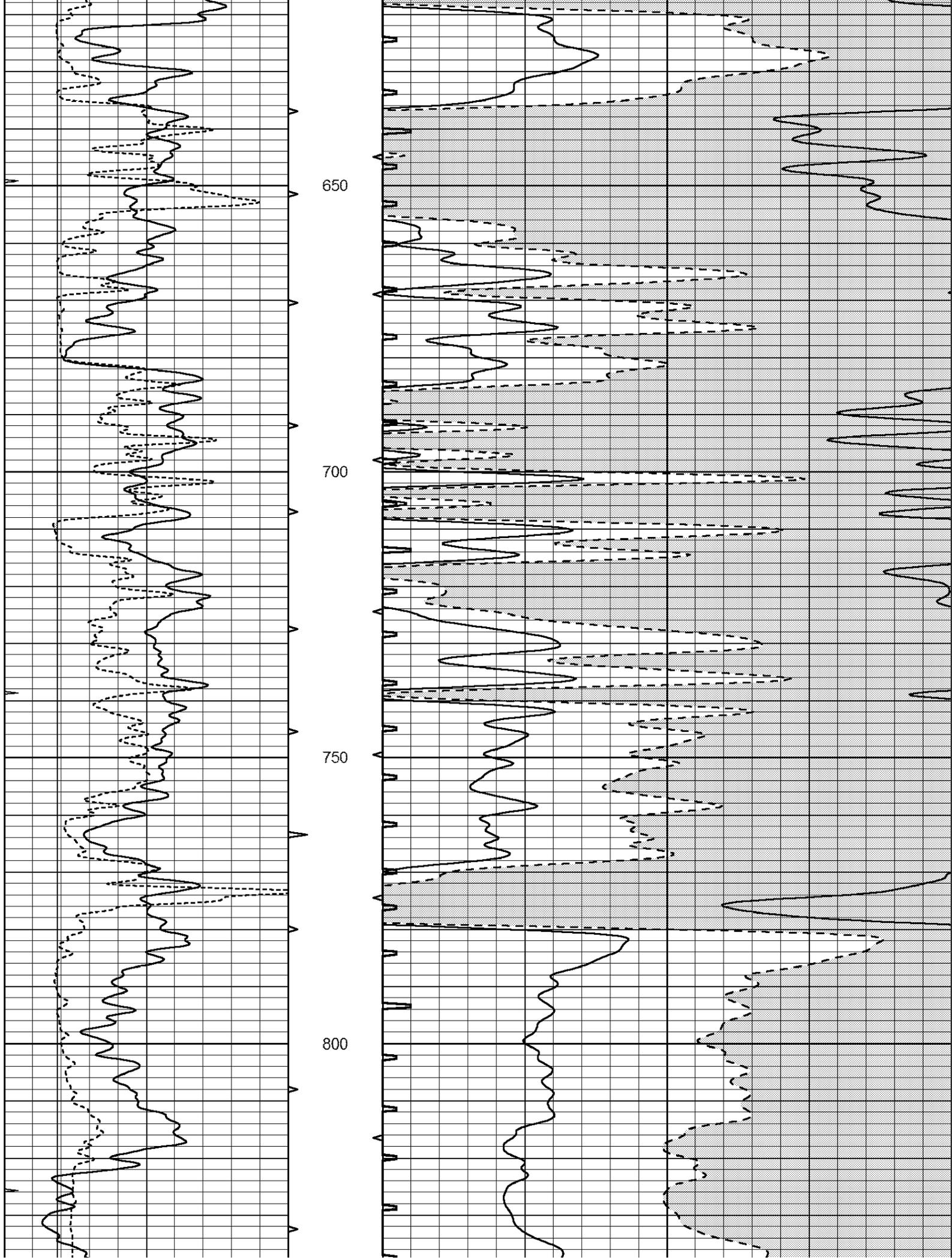
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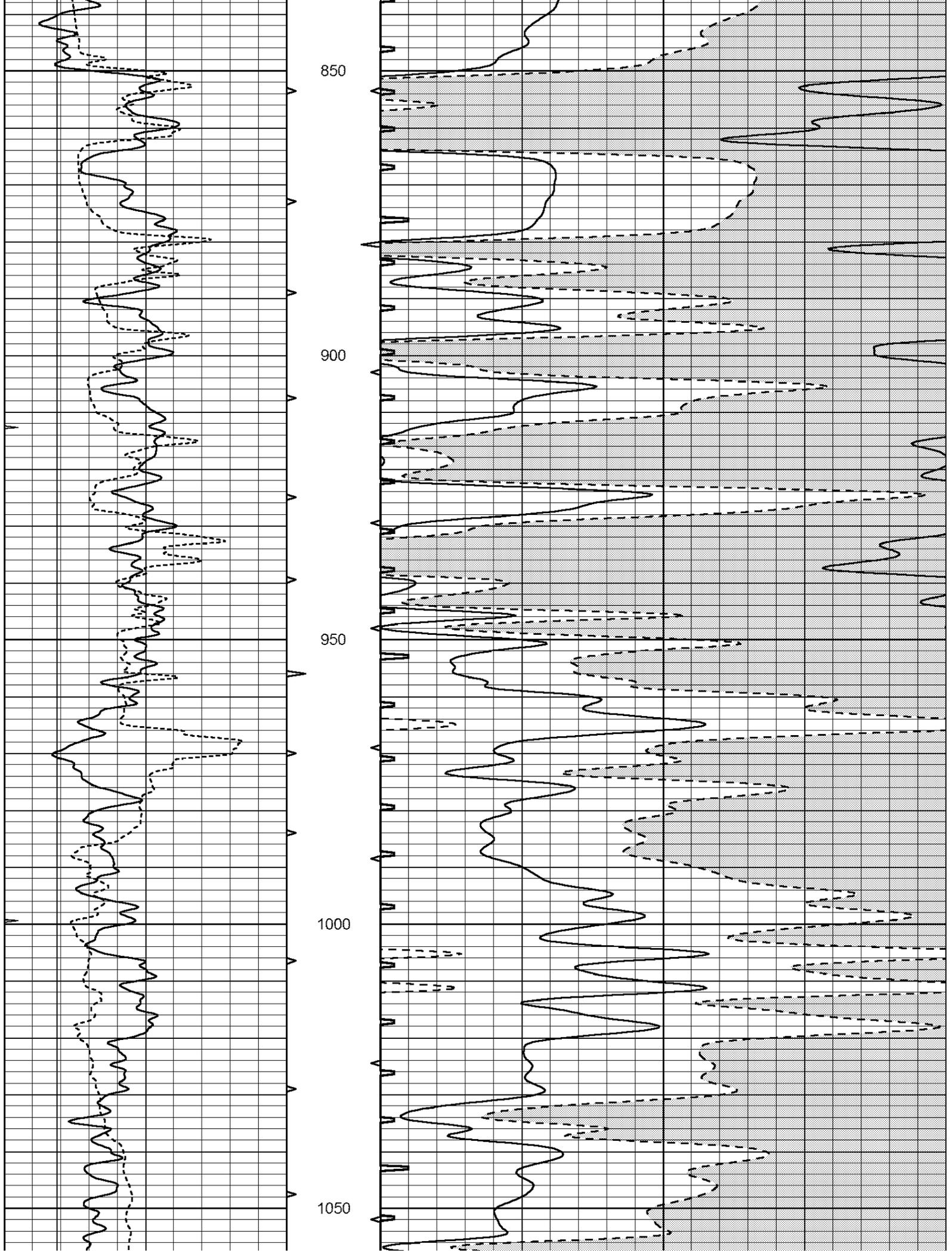
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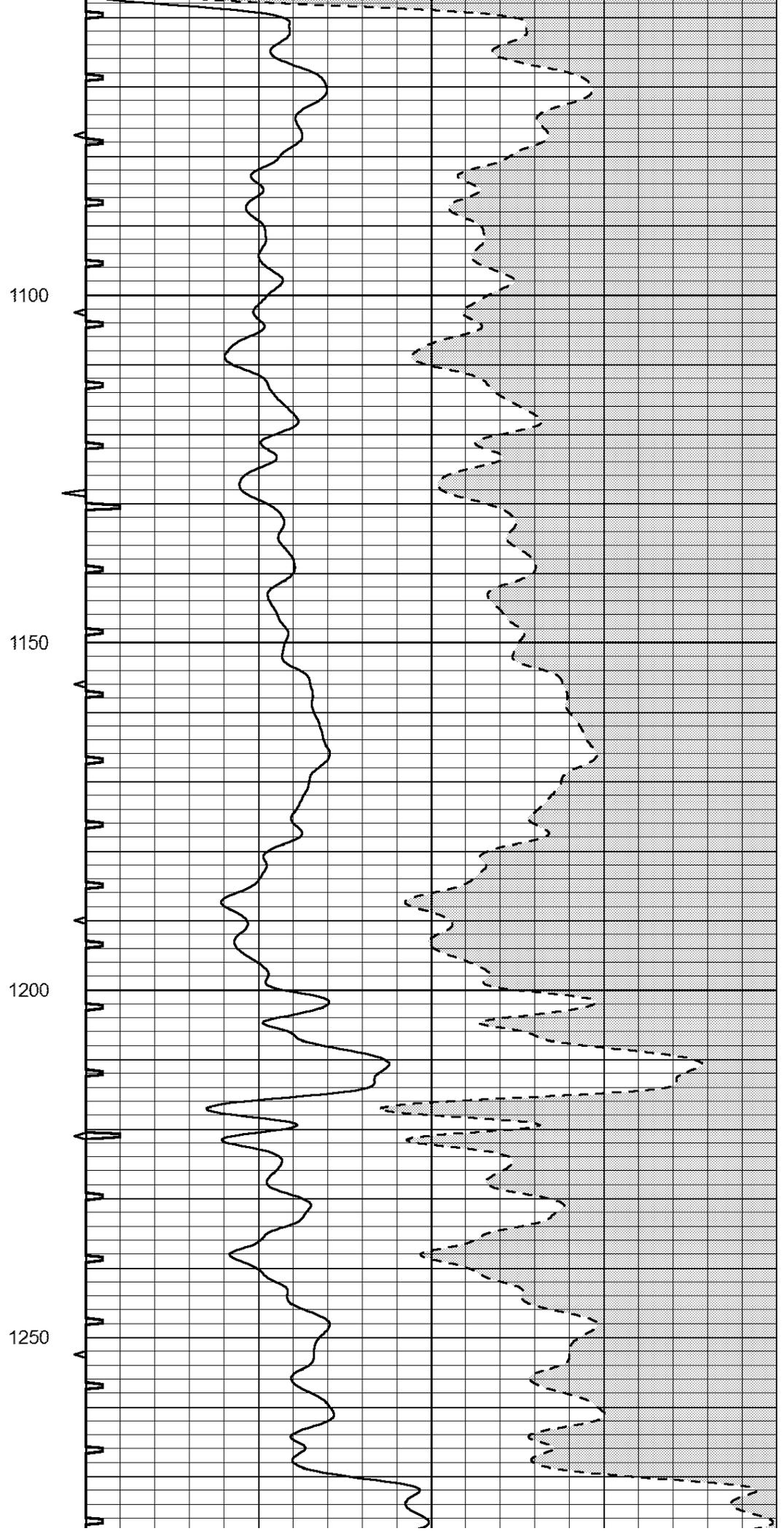
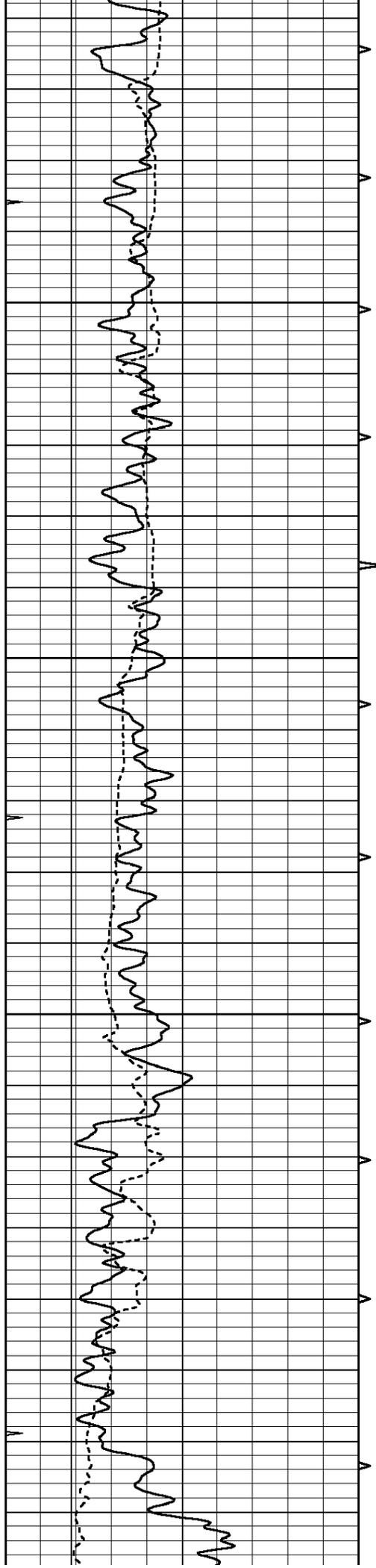
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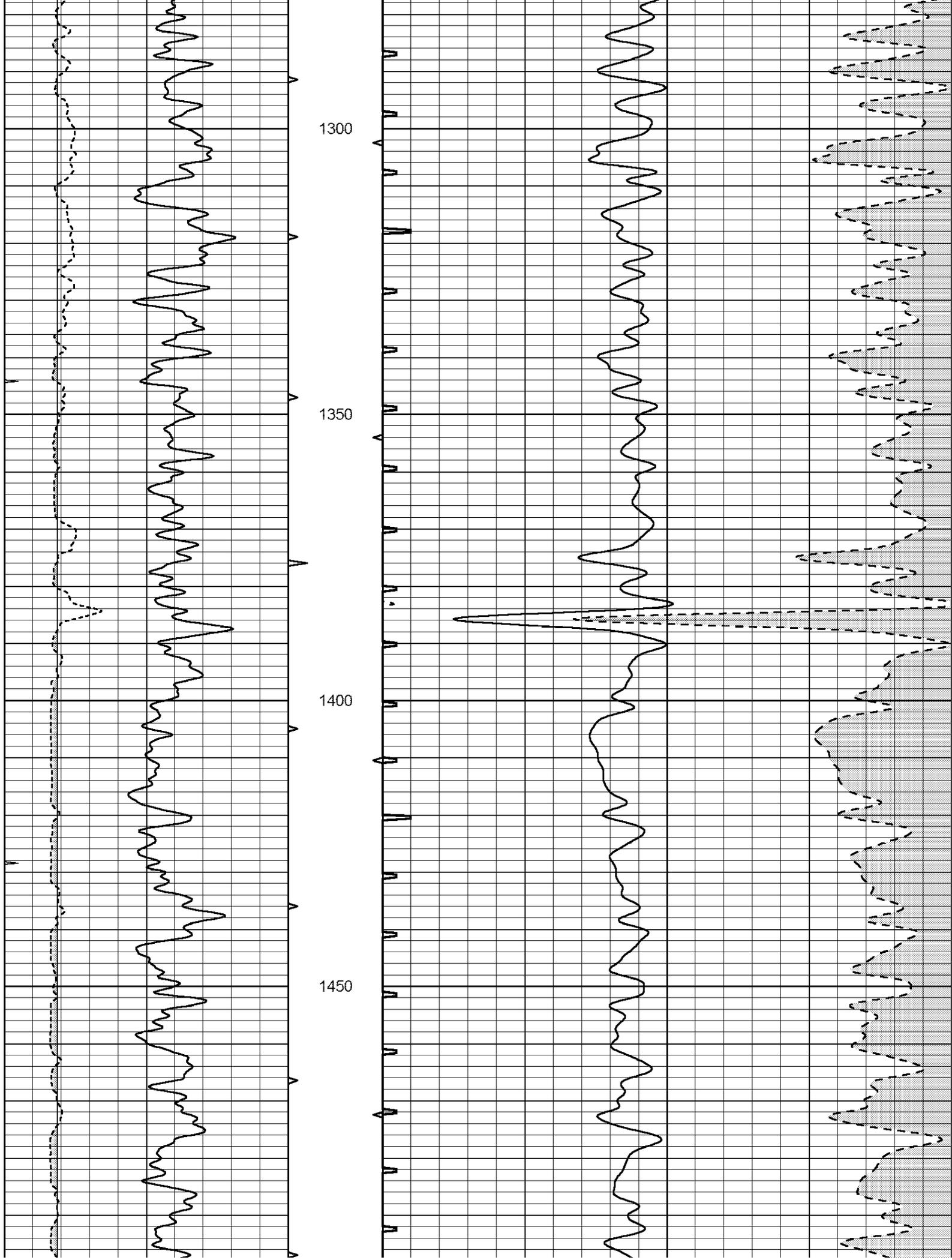
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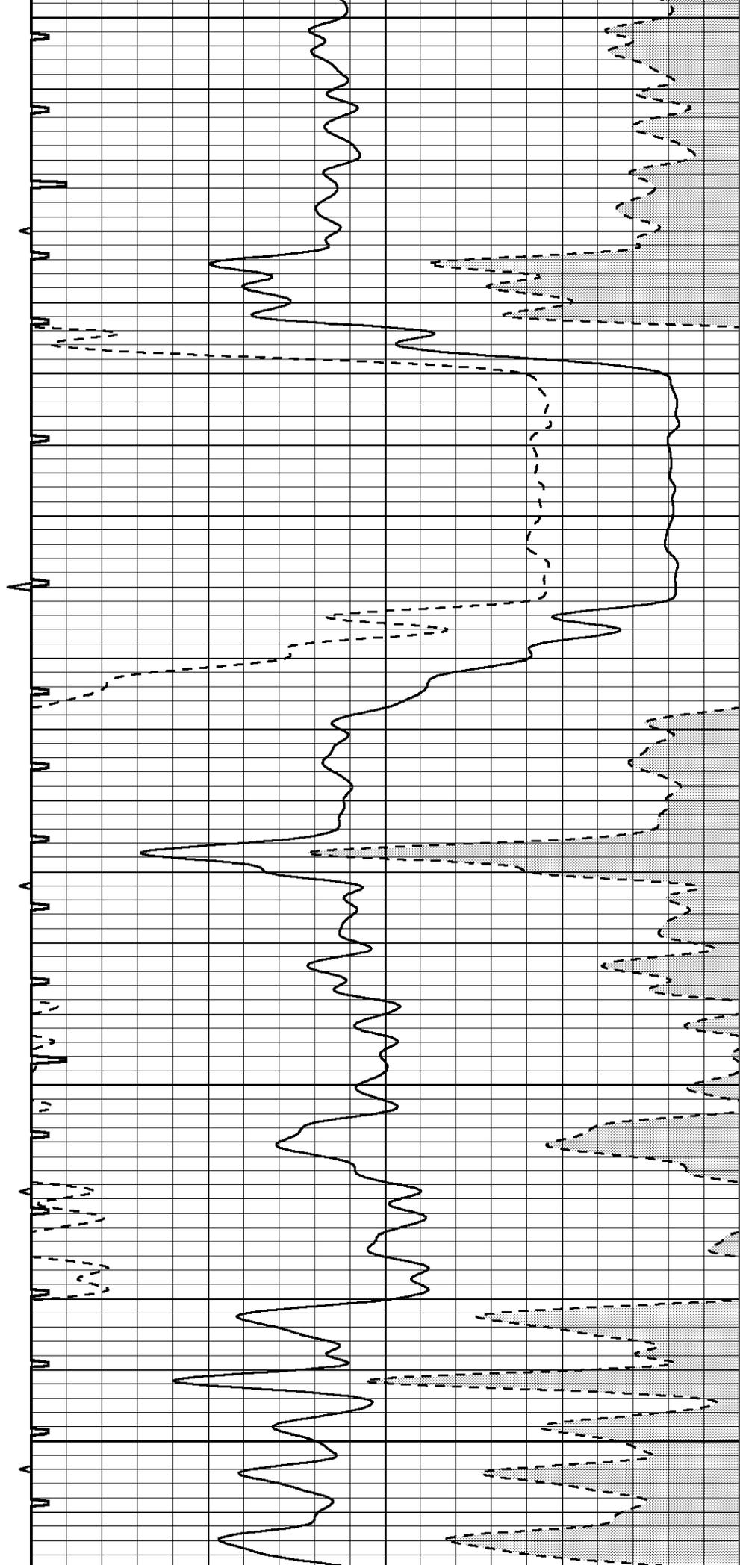
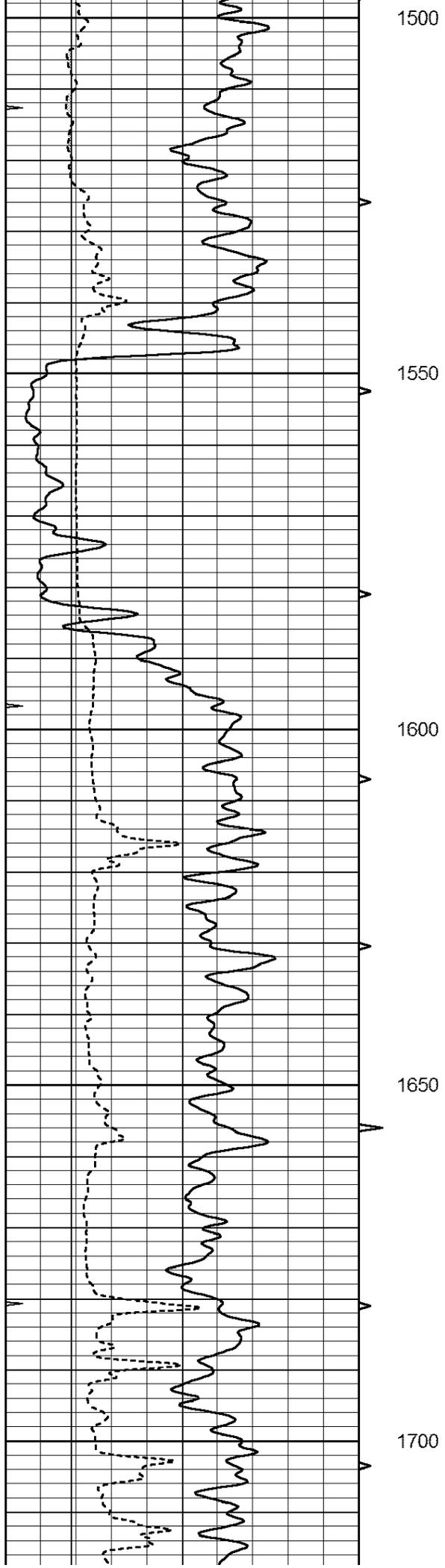


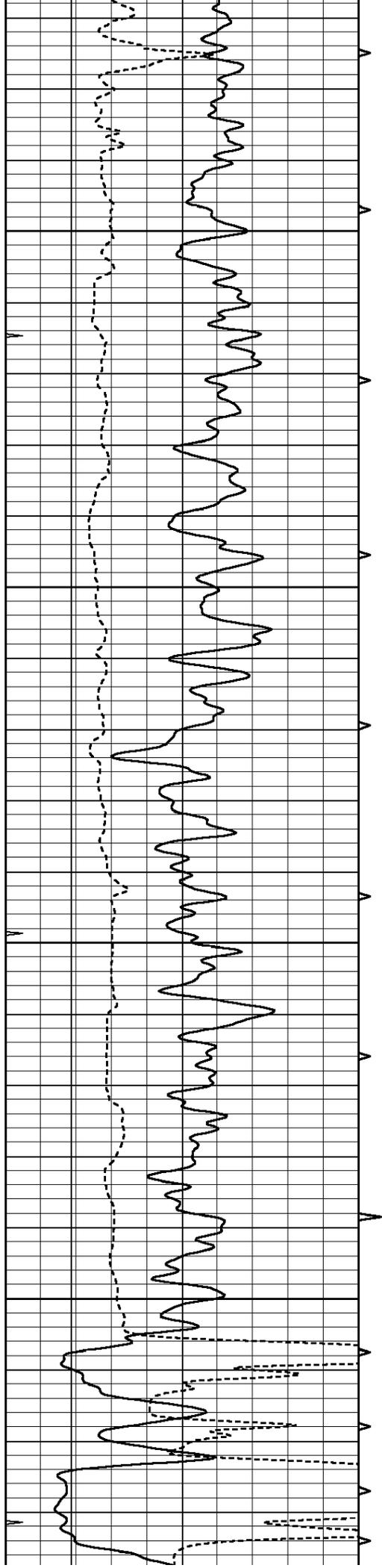










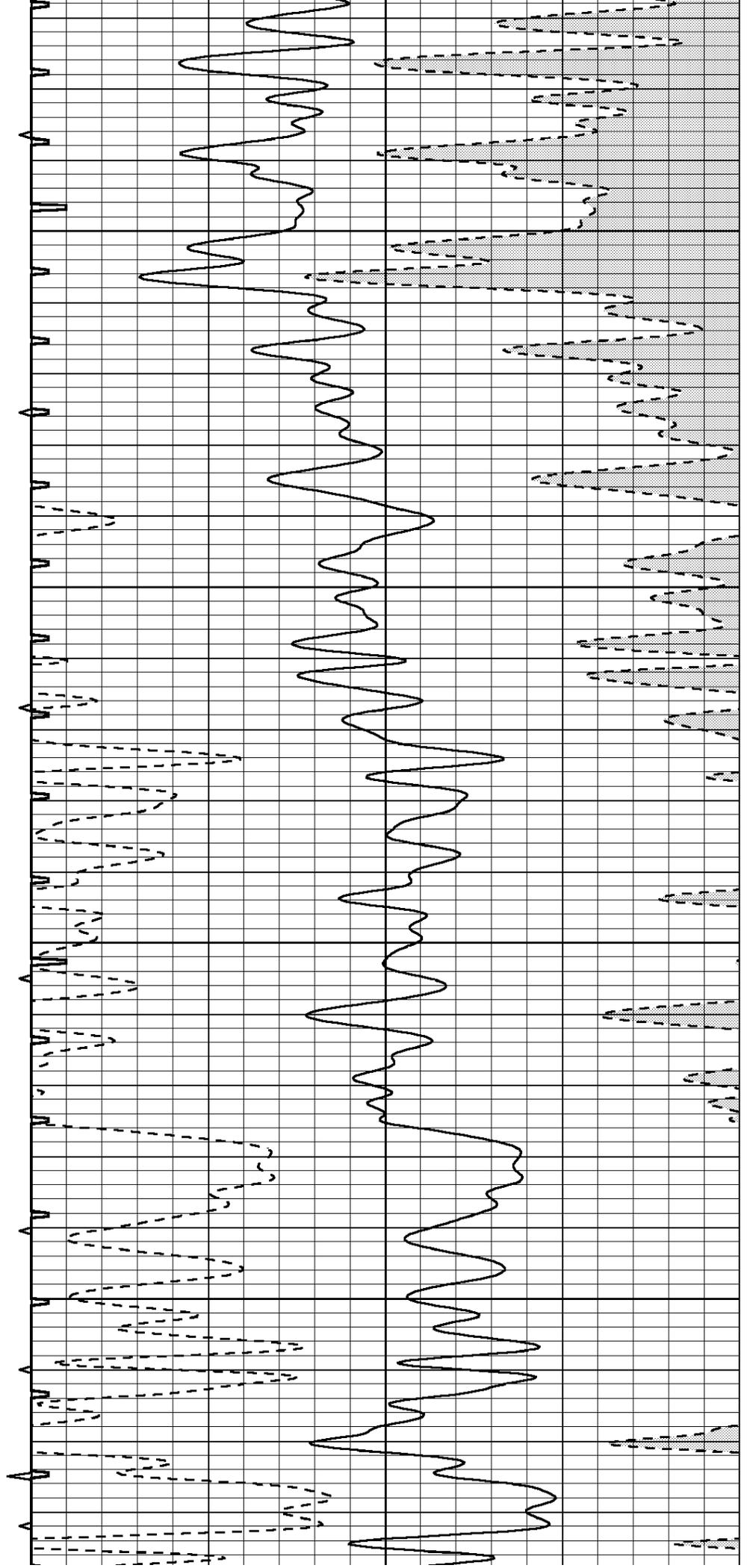


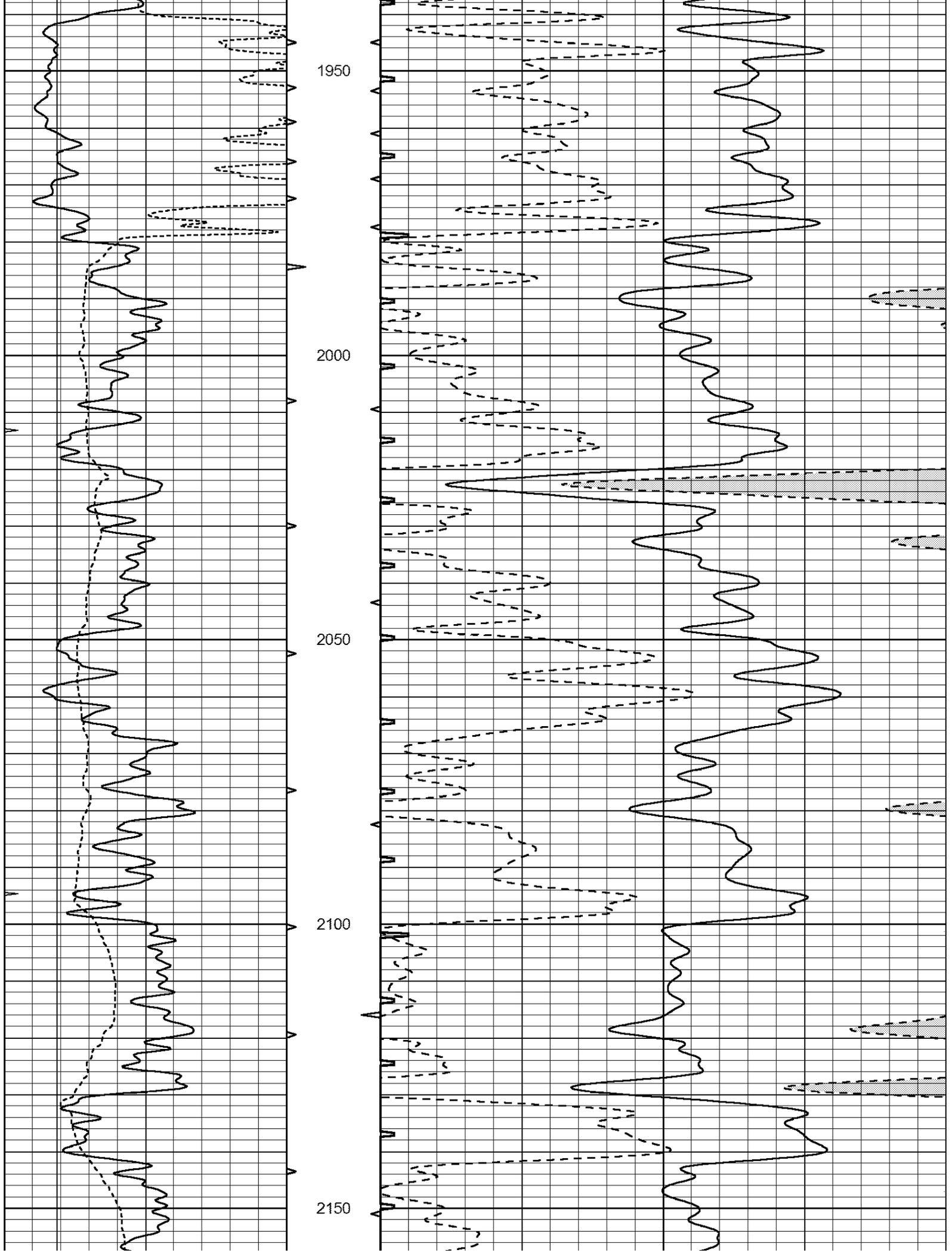
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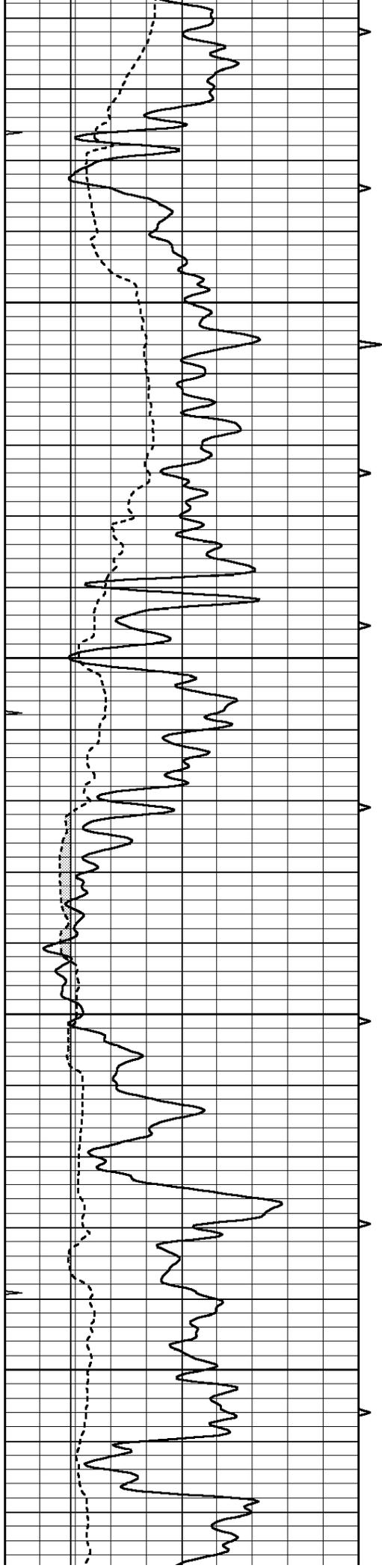
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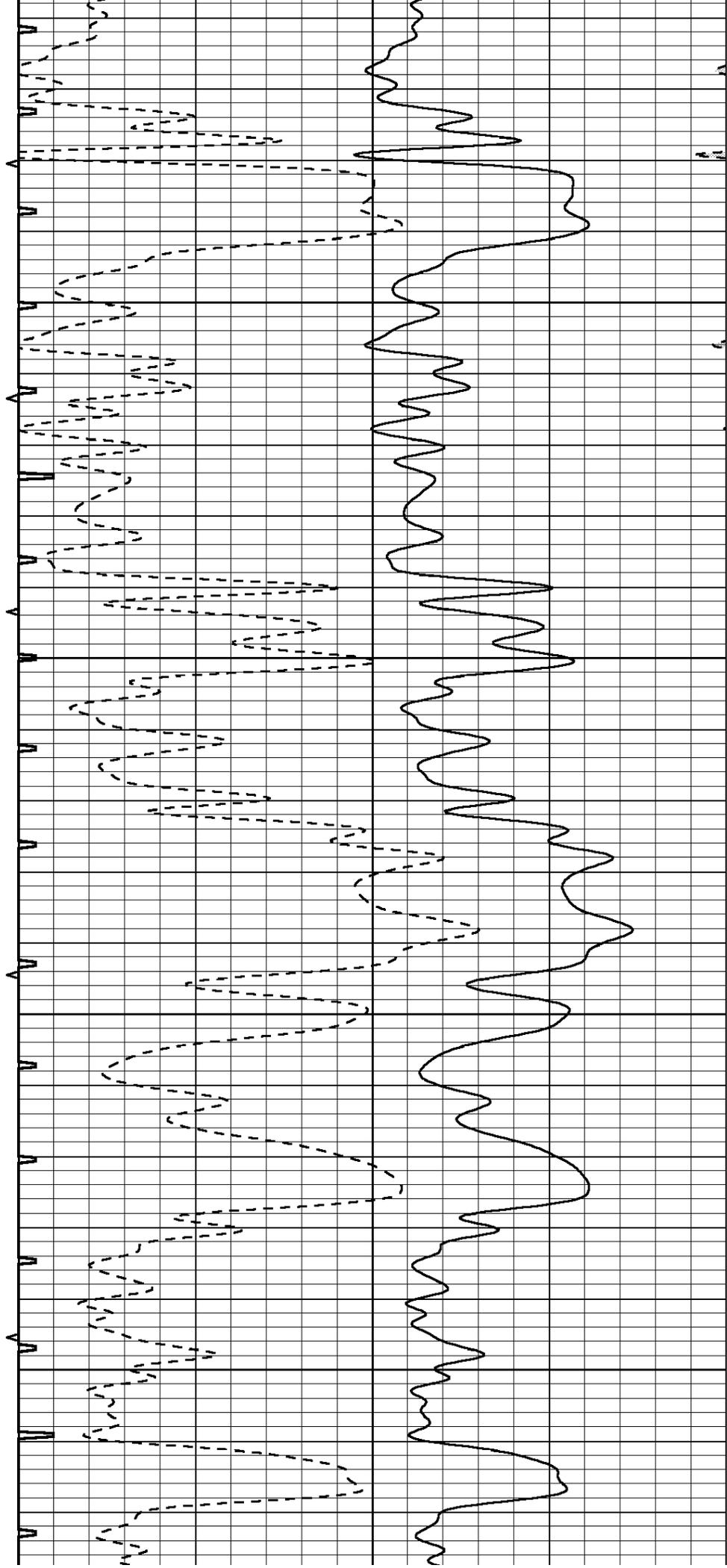


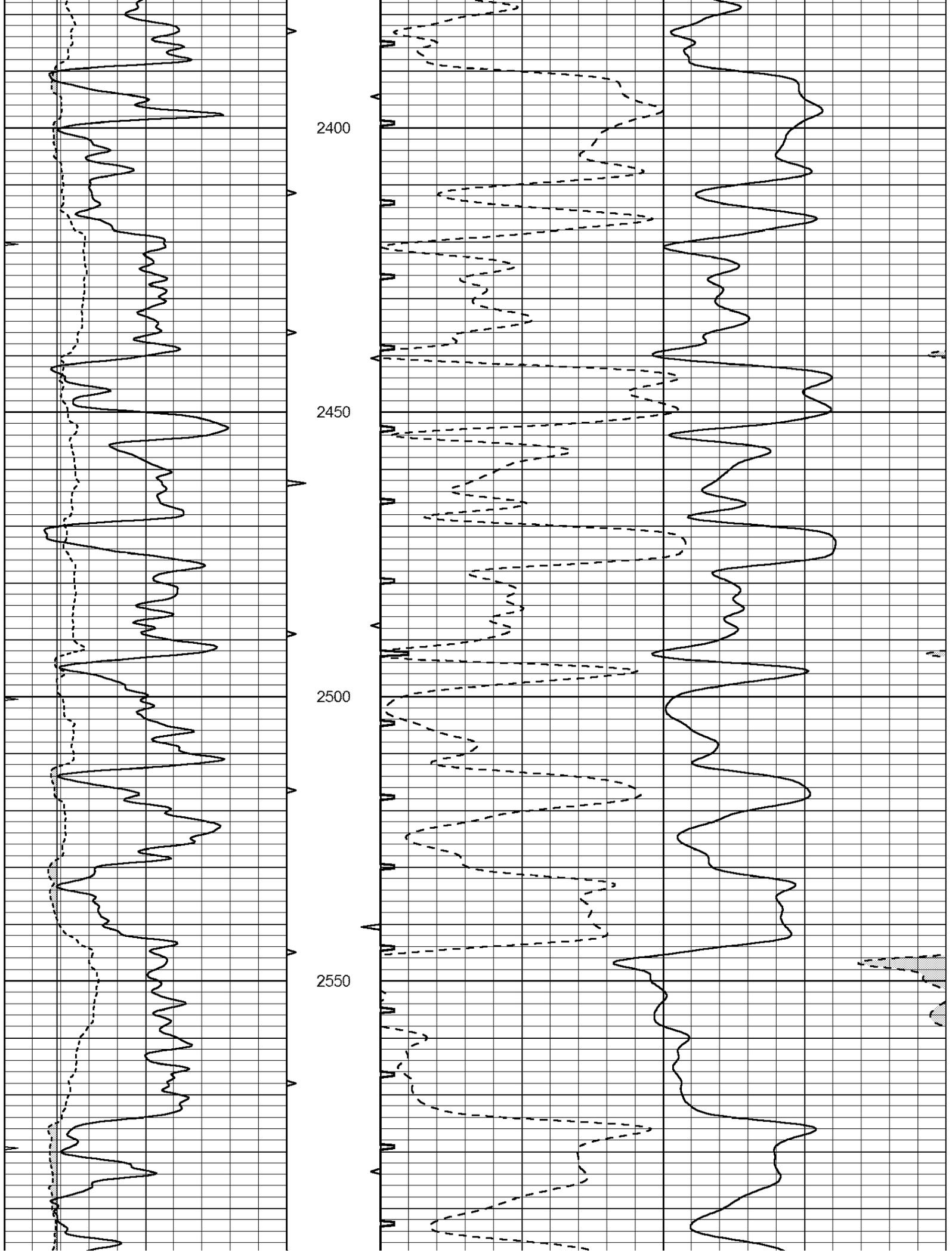
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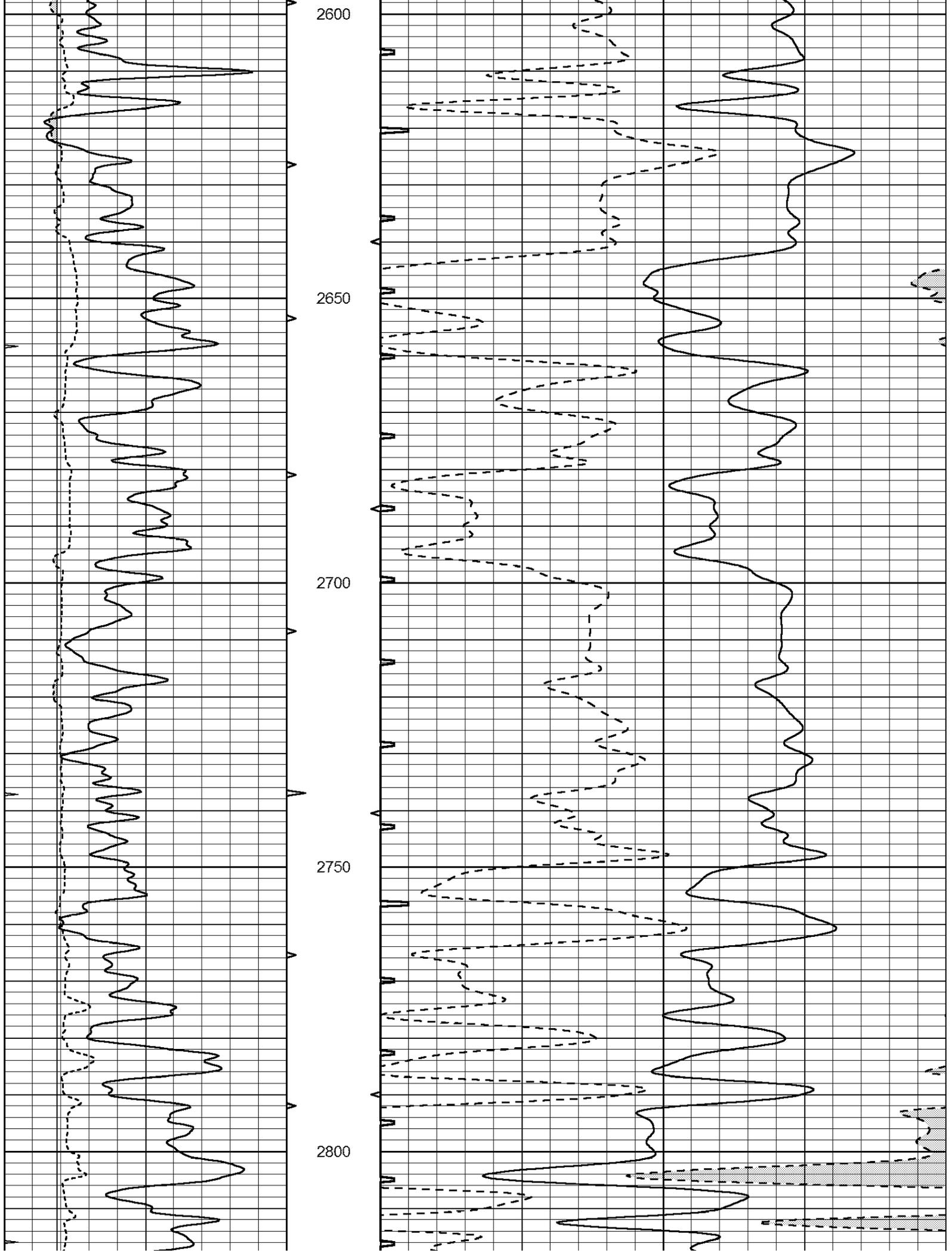
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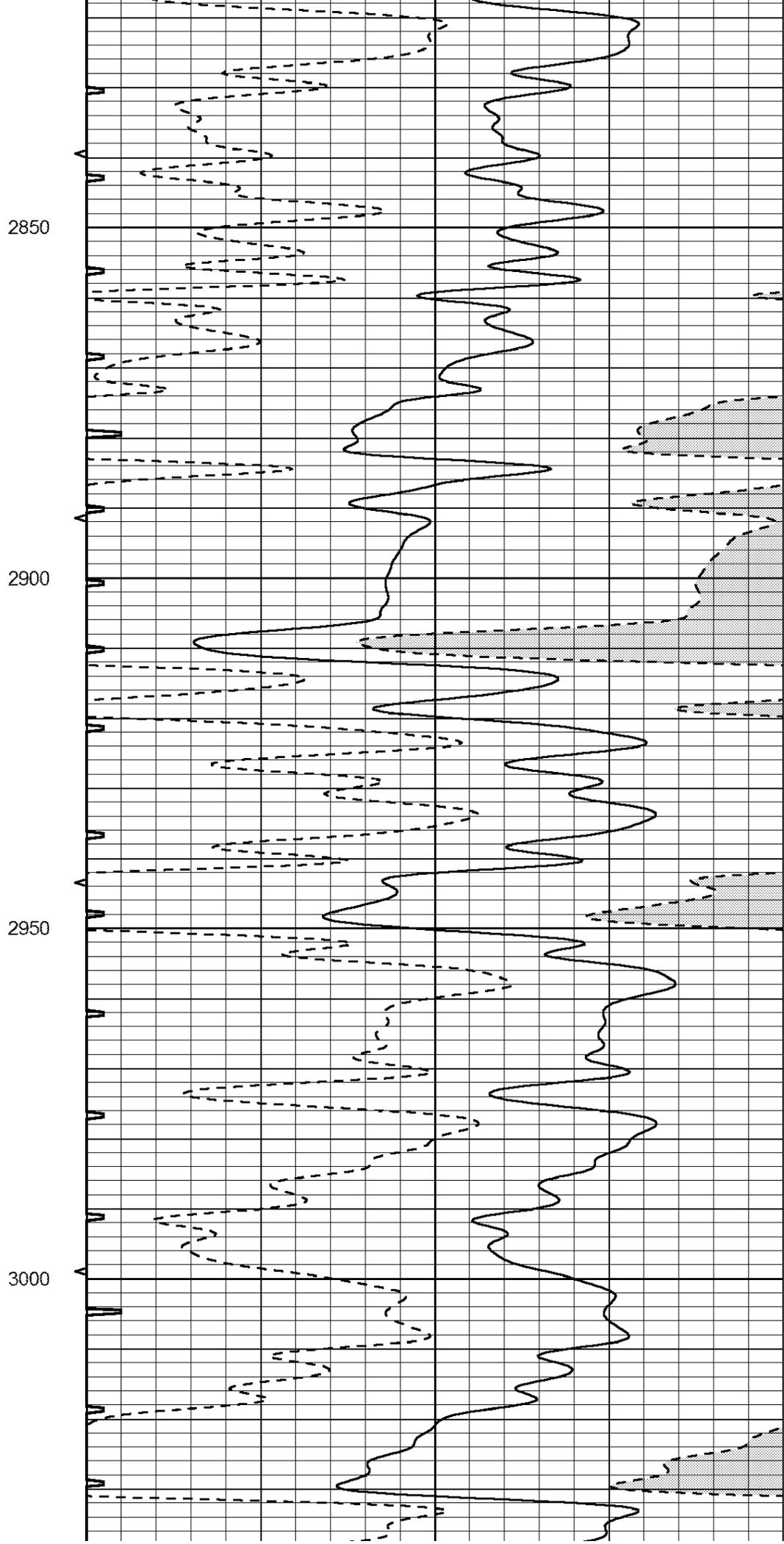
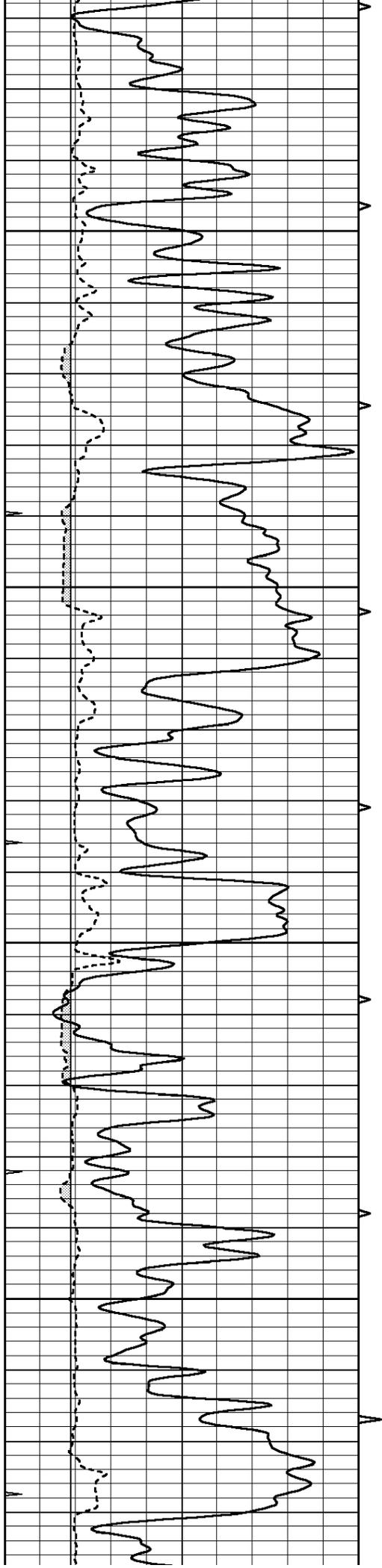
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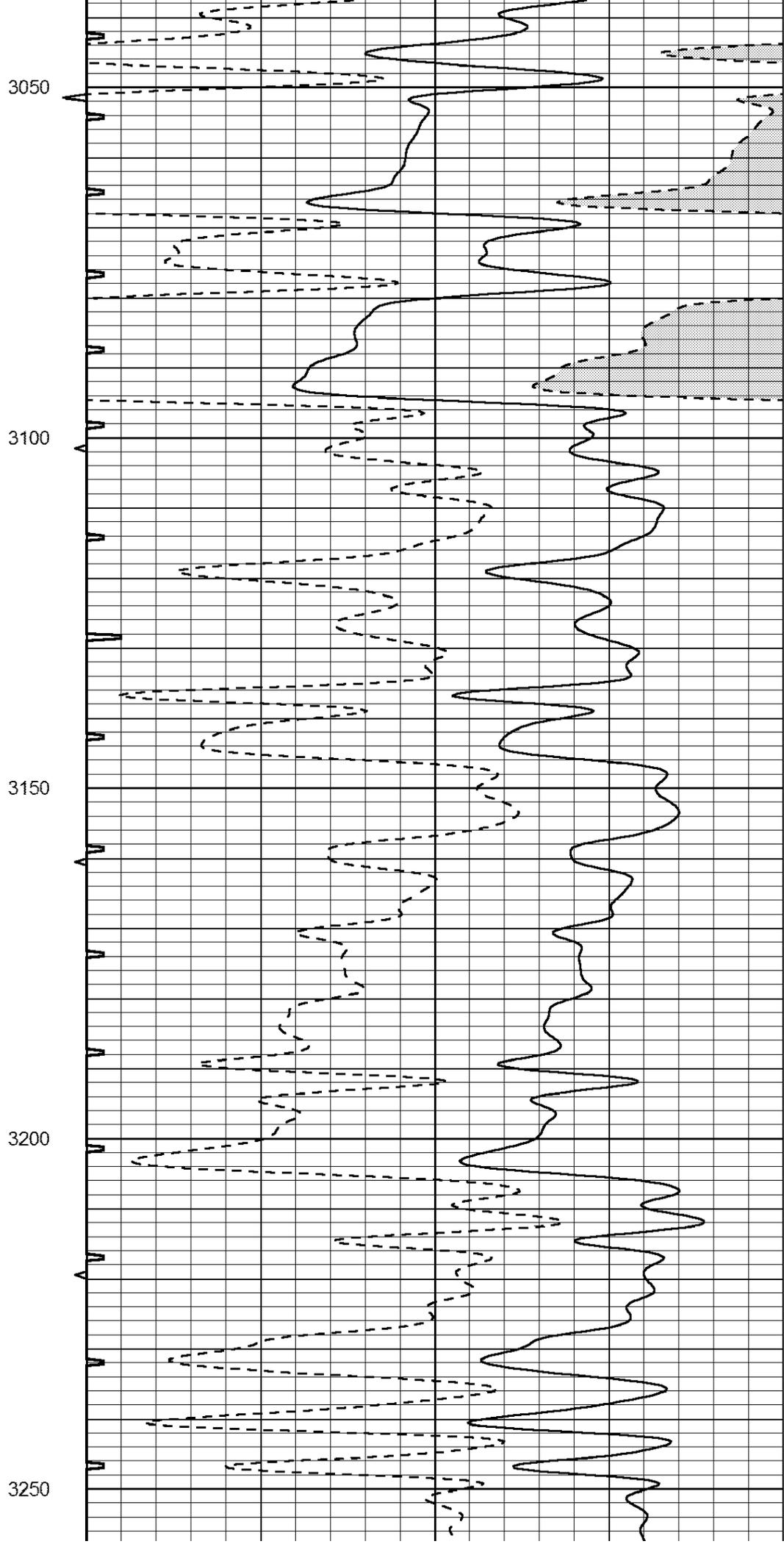
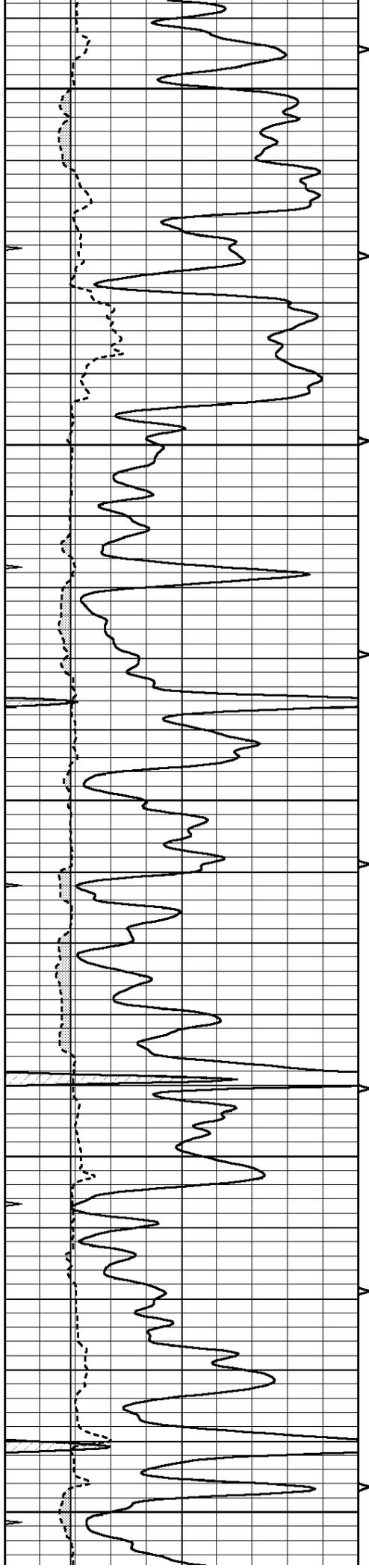
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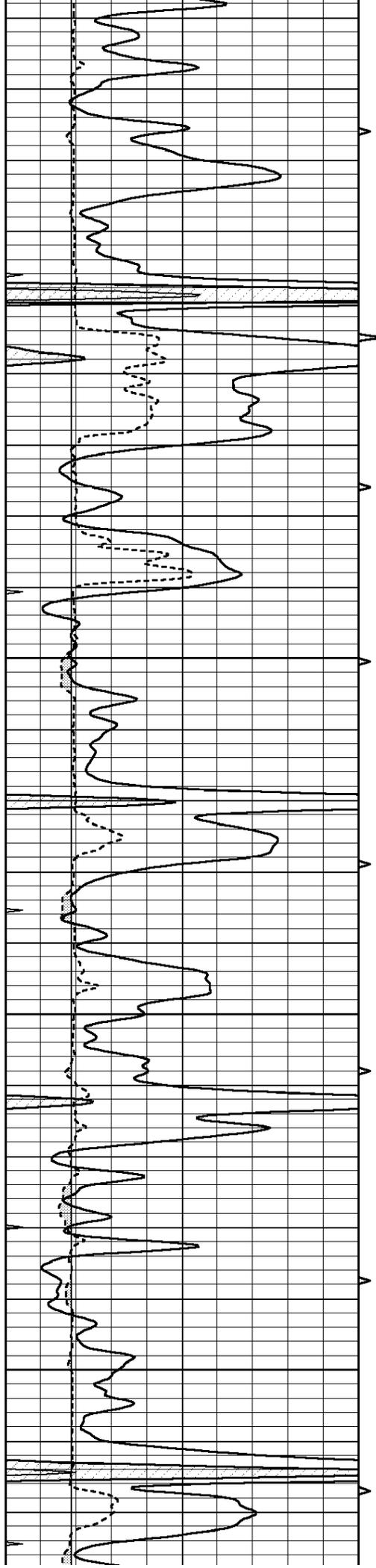










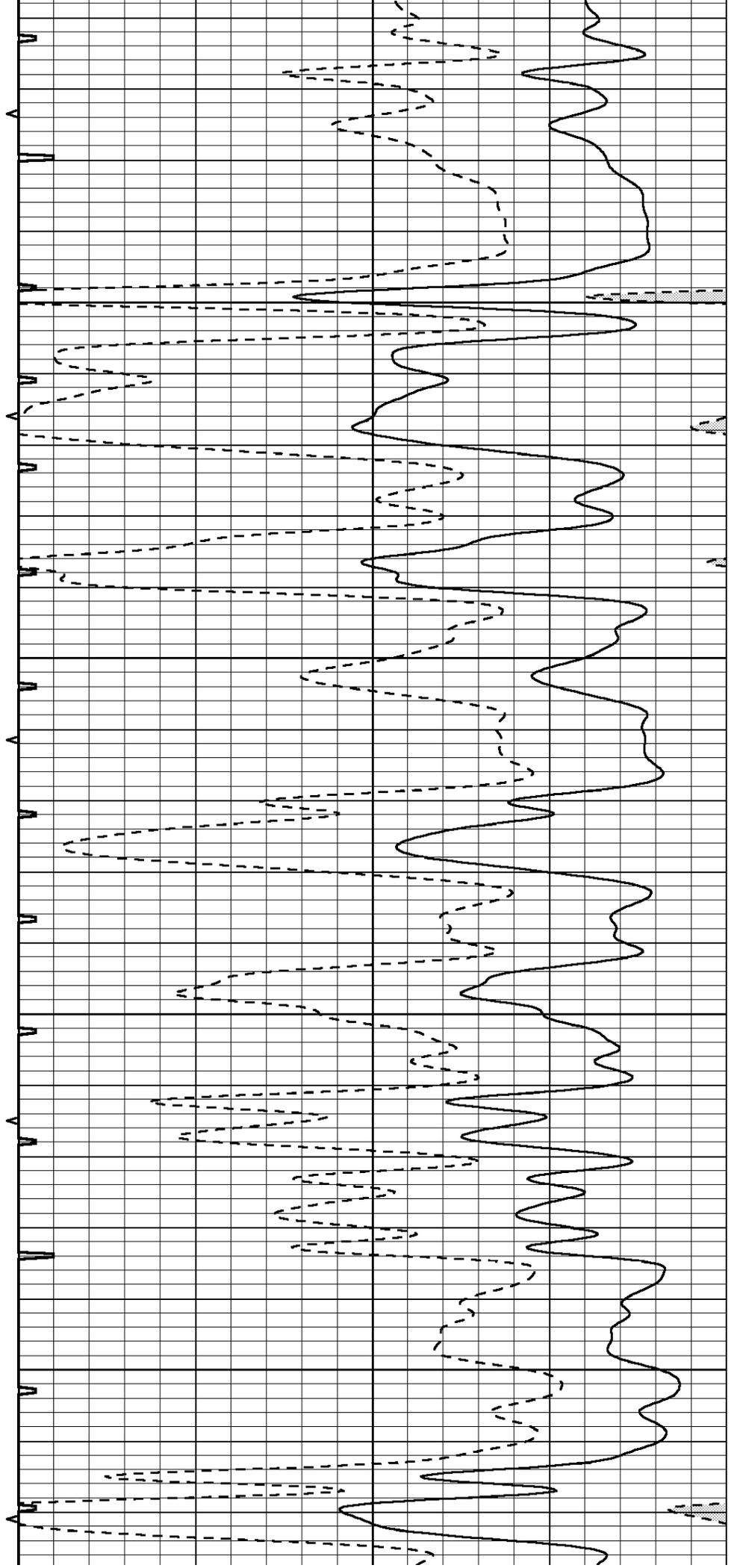


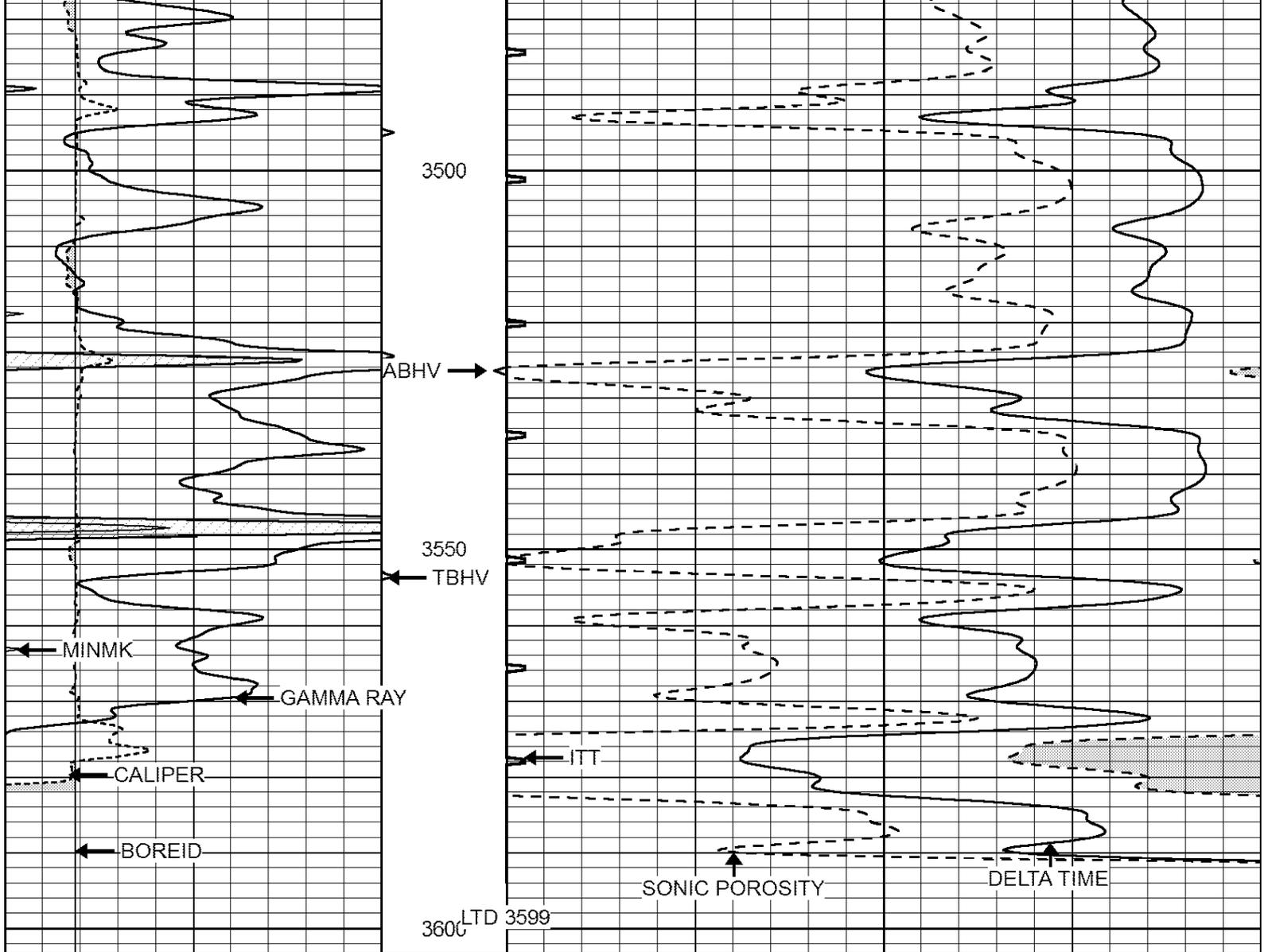
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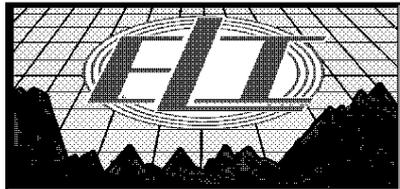
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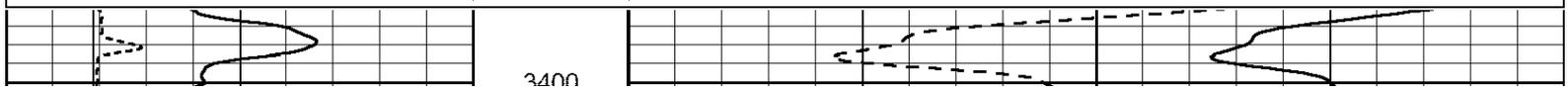
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6	CALIPER (in)	16	10 (ft3)	0	30	SONIC POROSITY (pu)	-10
0	MINMK	20	TBHV	0	ITT (msec)	20	
			0 (ft3)	10			

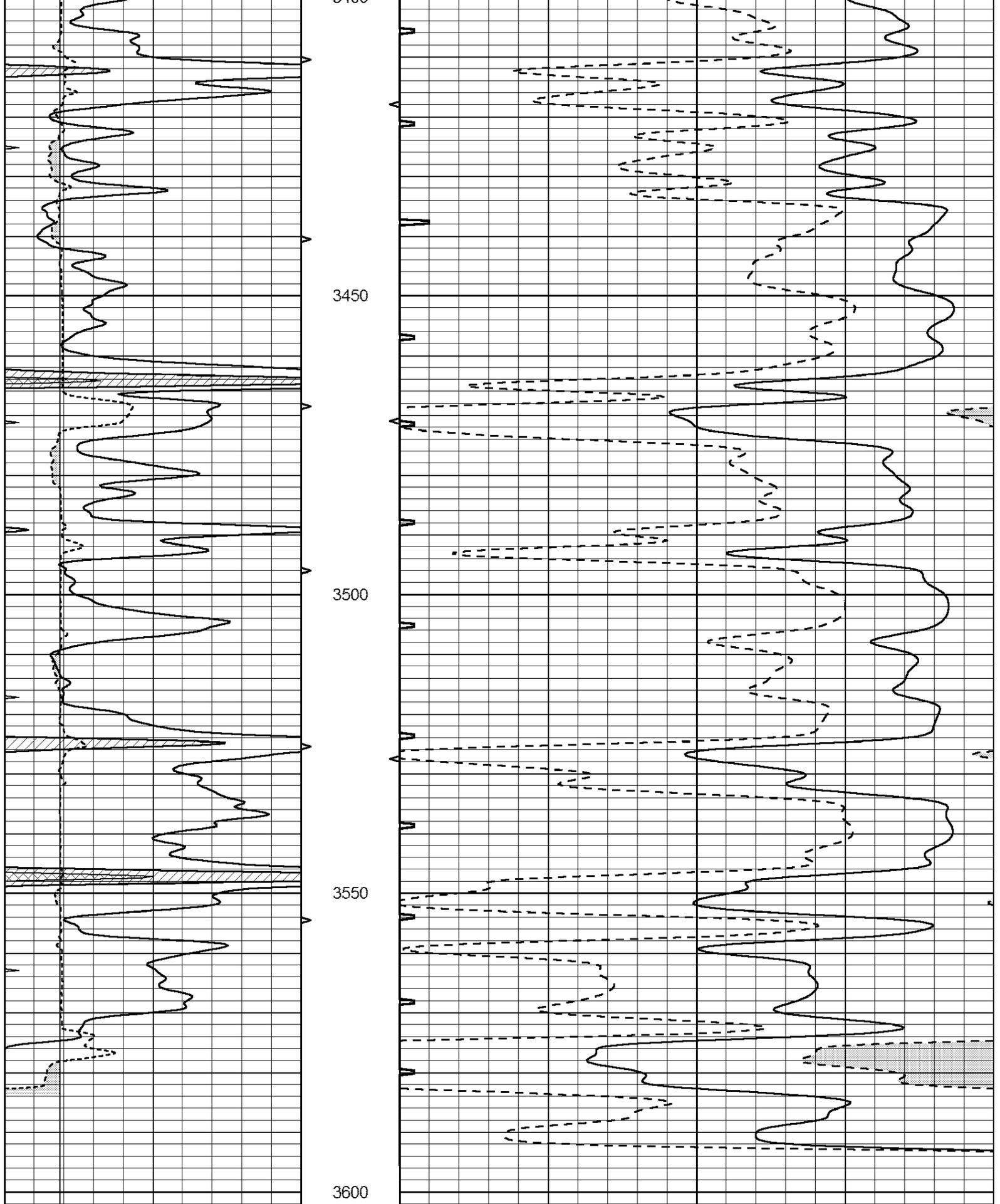


REPEAT SECTION

Database File: 2110ddn.db
 Dataset Pathname: pass4
 Presentation Format: _slt
 Dataset Creation: Sun Nov 19 07:00:52 2017 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			





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		

Calibration Report

Database File: 2110ddn.db
 Dataset Pathname: pass4
 Dataset Creation: Sun Nov 19 07:00:52 2017 by Log 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=43.075	Offset=-0.400
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.196

2" Calibration:	Gain=45.000	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