



**COMPLETION
& PRODUCTION
SERVICES CO.**

**SONIC
LOG**

Company: DOUBLE D'S, LLC.
Well: GOTTSCHALK #1
Field: STADELMAN
County: ELLIS
State: KANSAS

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Well: GOTTSCHALK #1
Field: STADELMAN
County: ELLIS
State: KANSAS

Location: API # : 15-051-26645-0000
1952' FSL & 924' FEL
NE - SW - NE - SE
SEC 10 TWP 14S RGE 19W
Permanent Datum: GROUND LEVEL Elevation: 2200
Log Measured From: KELLY BUSHING
Drilling Measured From: KELLY BUSHING
Other Services: CDL/CNL DIL/MEL
Elevation: K.B. 2207 D.F. 2205 G.L. 2200

Date	12/19/13
Run Number	TWO
Depth Driller	3860
Depth Logger	3860
Bottom Logged Interval	3852
Top Log Interval	200
Casing Driller	8 5/8"@222'
Casing Logger	218
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.1/56
pH / Fluid Loss	10.5/6.0
Source of Sample	FLOWLINE
Rim @ Meas. Temp	1.10@72F
Rmf @ Meas. Temp	.825@72F
Rmc @ Meas. Temp	1.32@72F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	.689@115F
Time Circulation Stopped	3.5 HOURS
Time Logger on Bottom	10:15 A.M.
Maximum Recorded Temperature	115F
Equipment Number	4854
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	AL DOWNING
	DUANE "DOC" BIEKER

<<< Fold Here >>>

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

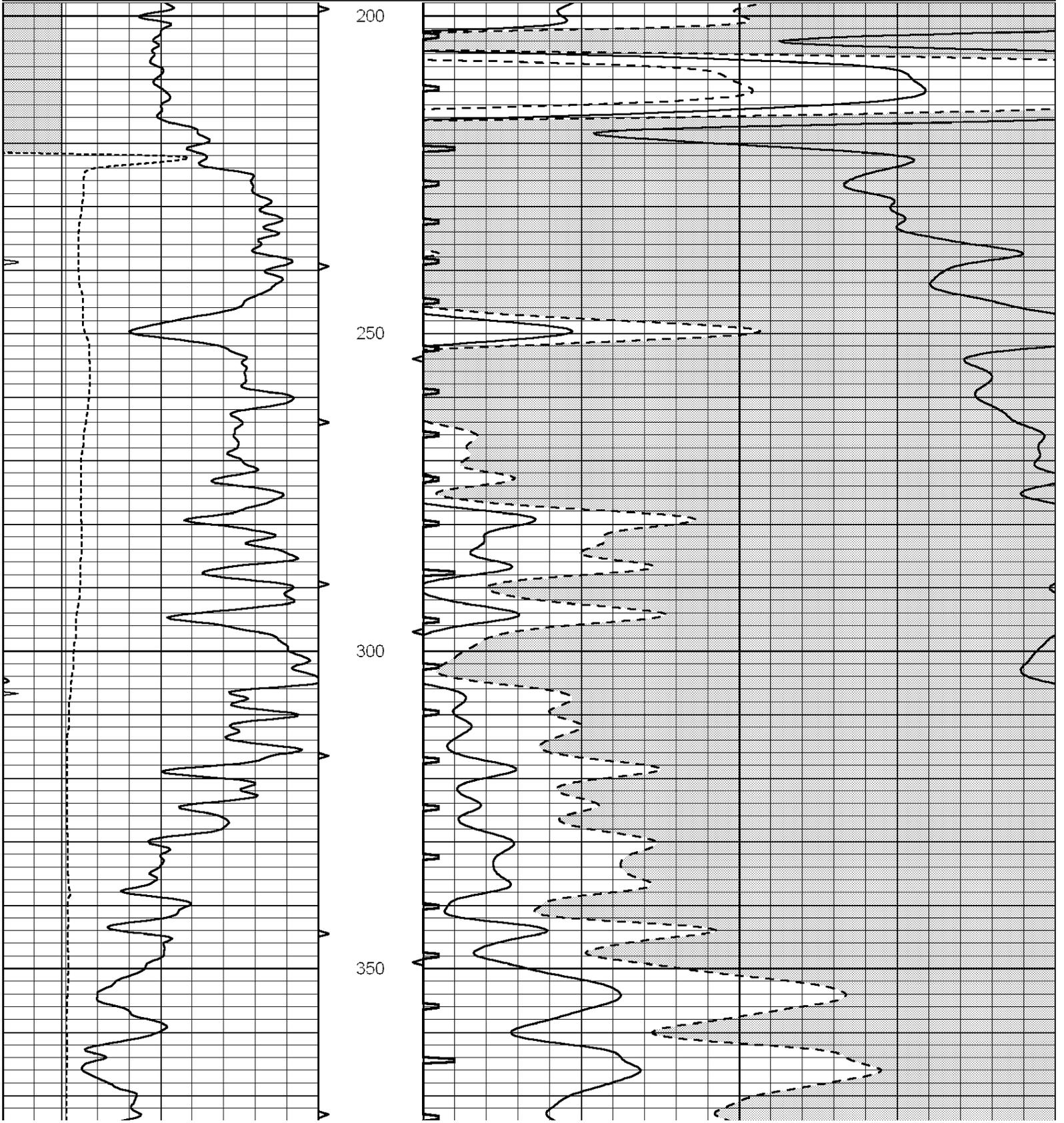
THANK YOU FOR USING "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS
HAYS, KANSAS., 3W. ON "GOLF COURSE RD.", 1/2S., W. INTO @CATTLE PENS

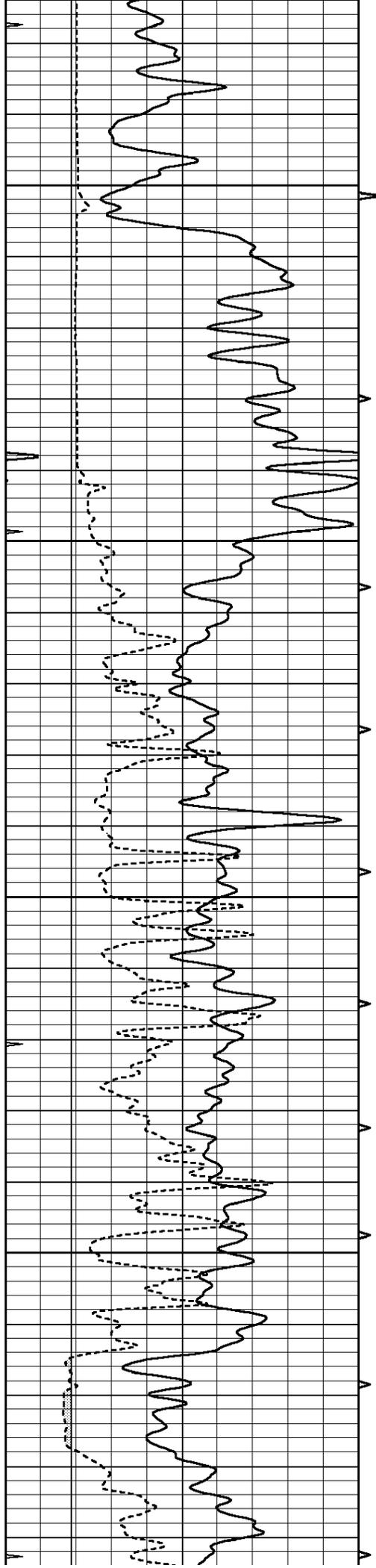


MAIN SECTION

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 Presentation Format: slt
 Dataset Creation: Thu Dec 19 13:55:58 2013
 Charted by: Depth in Feet scaled 1:240

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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			



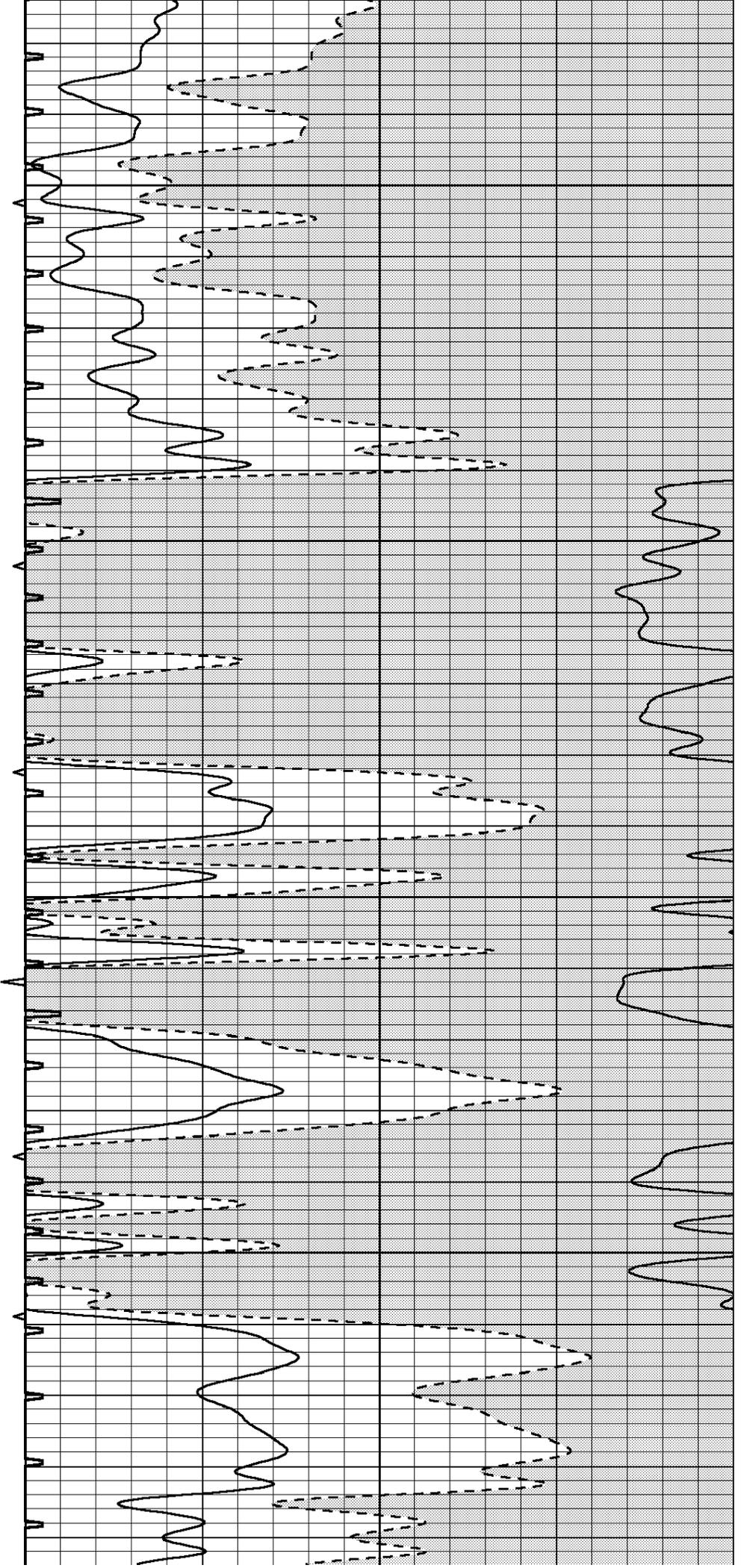


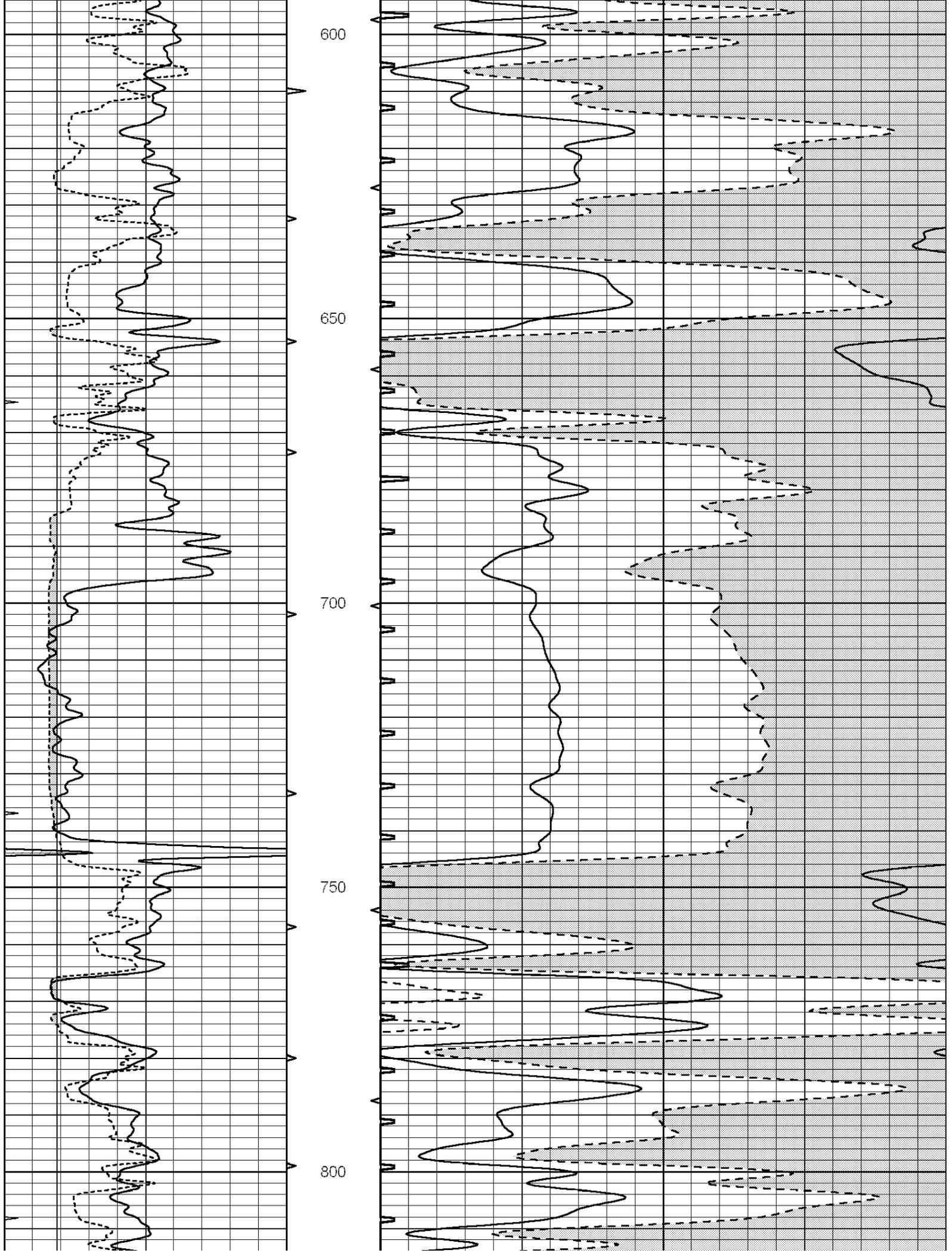
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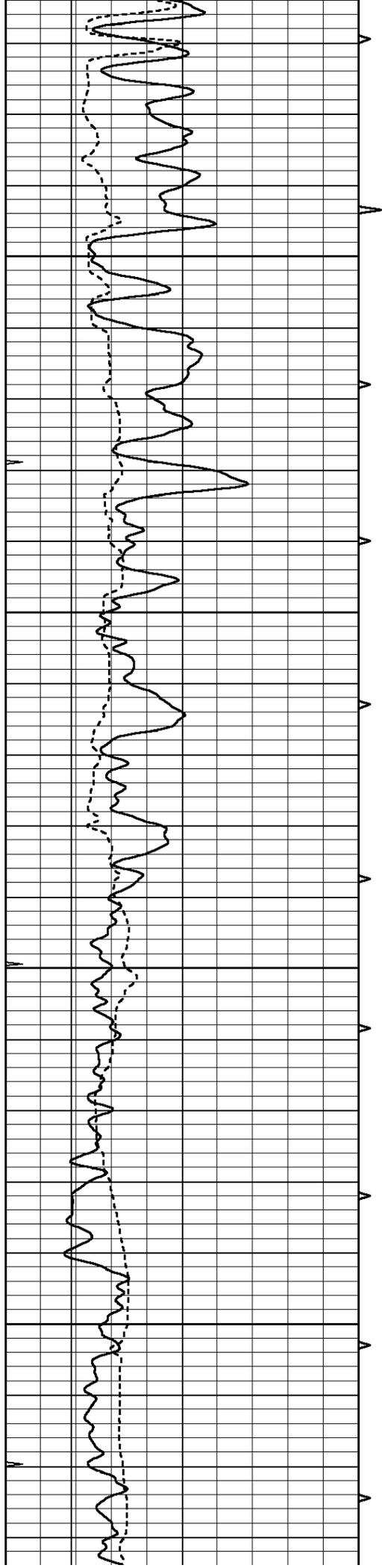
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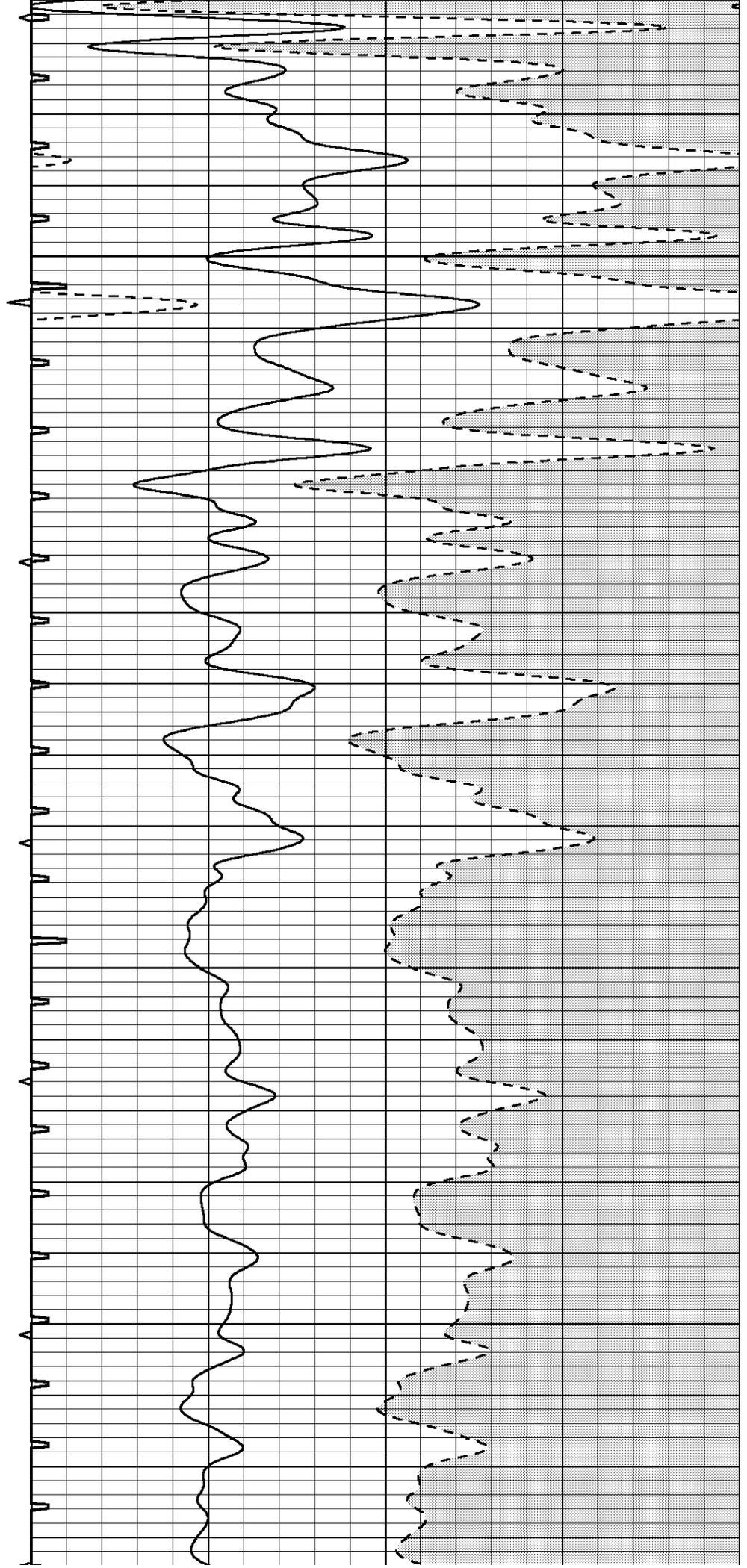


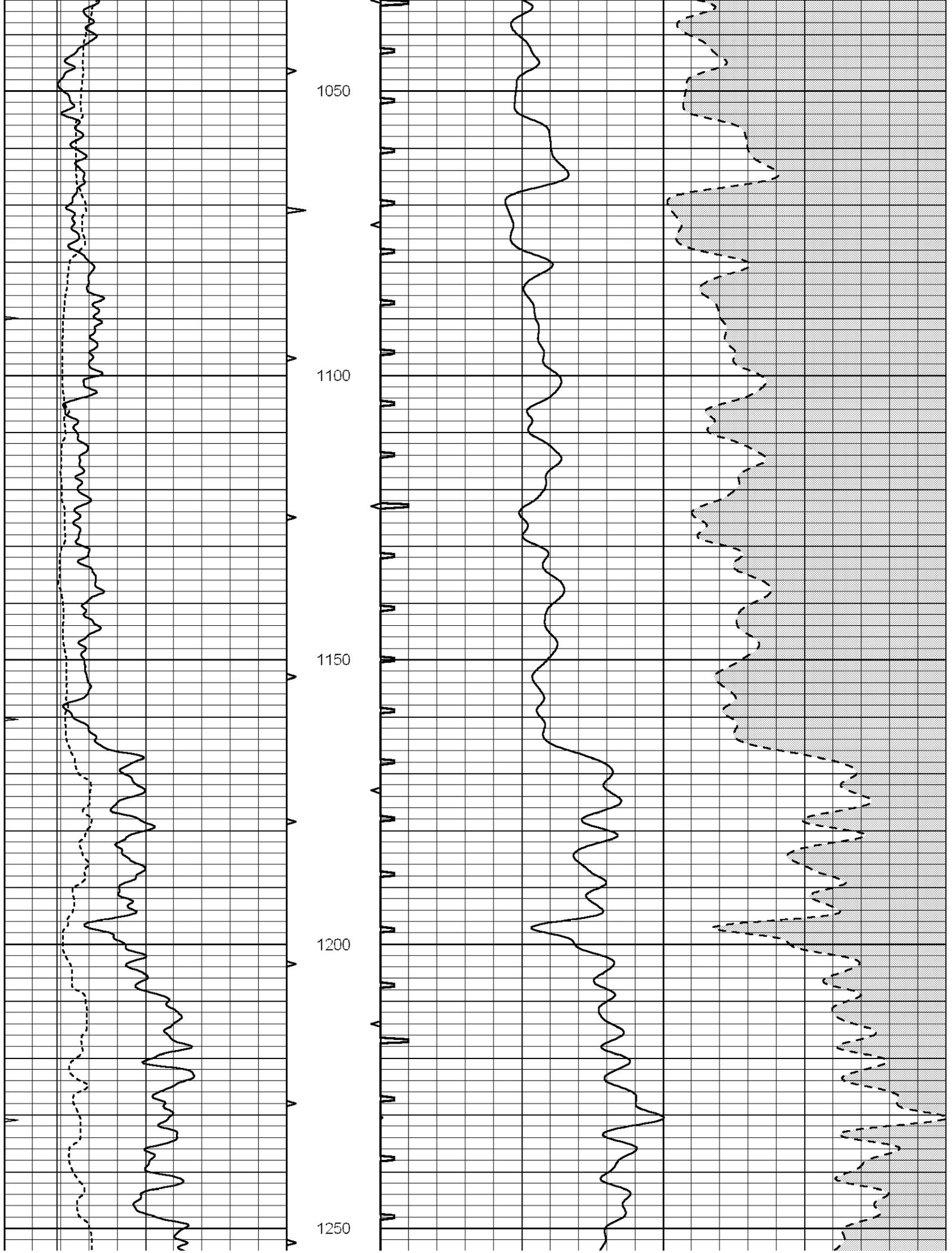
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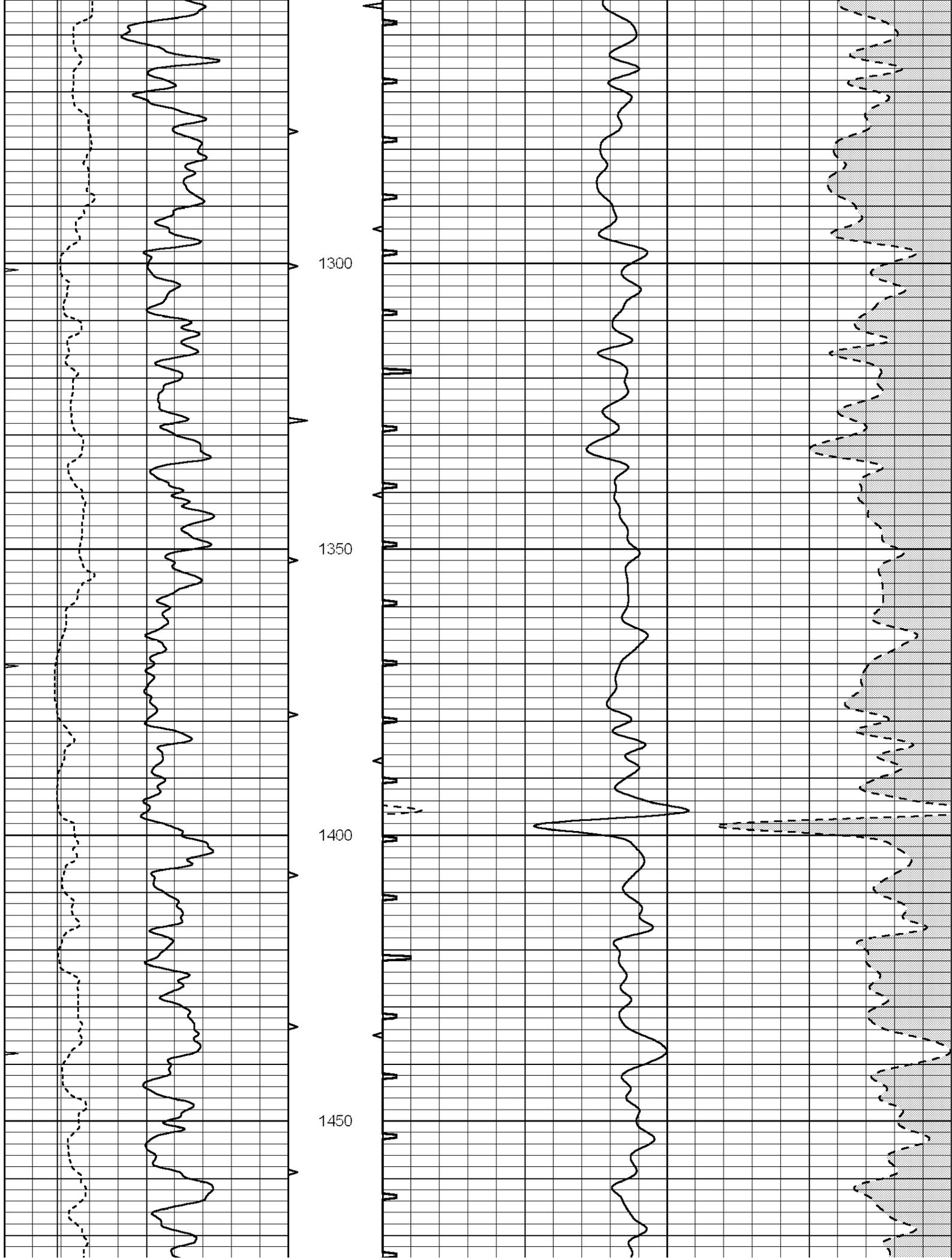
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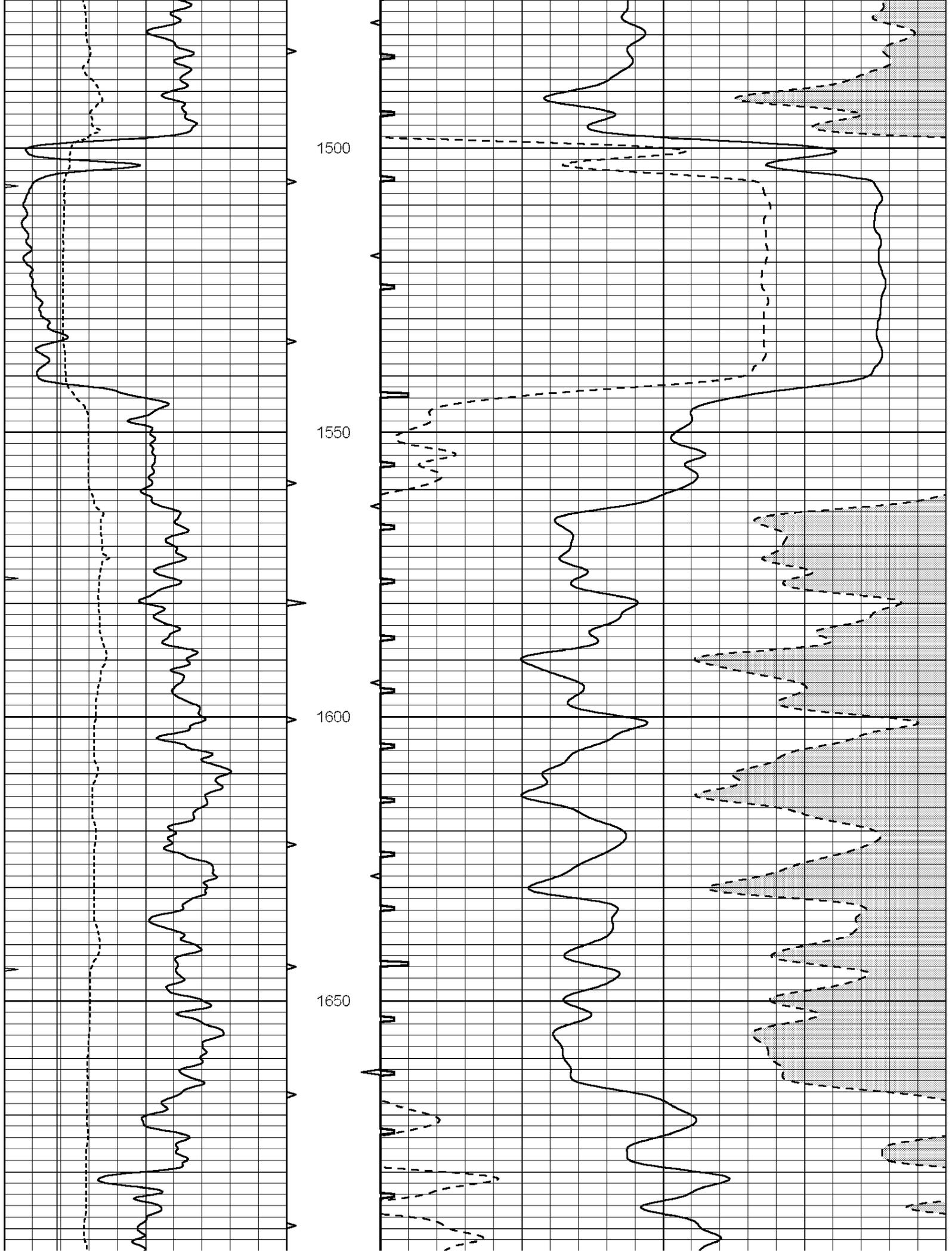
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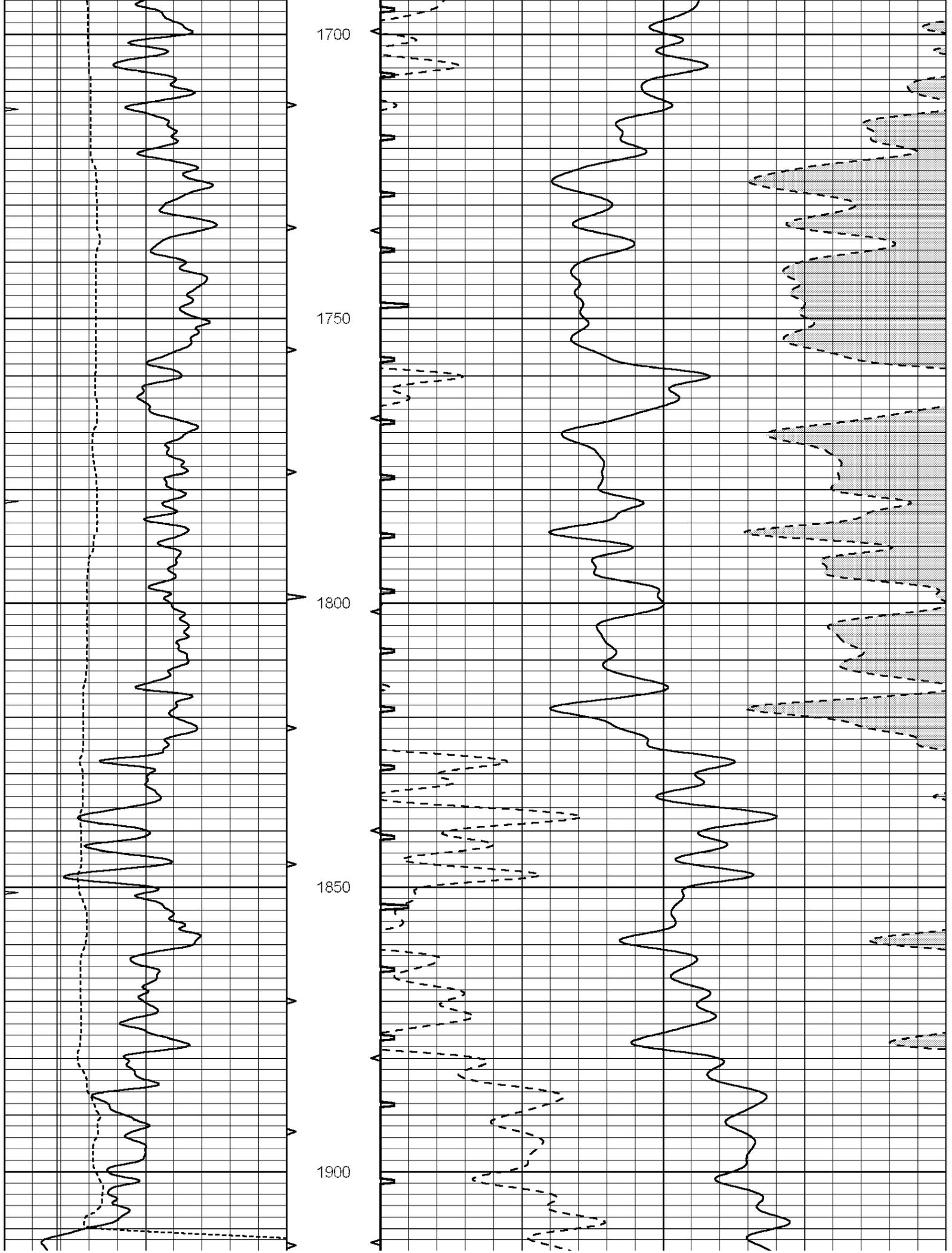
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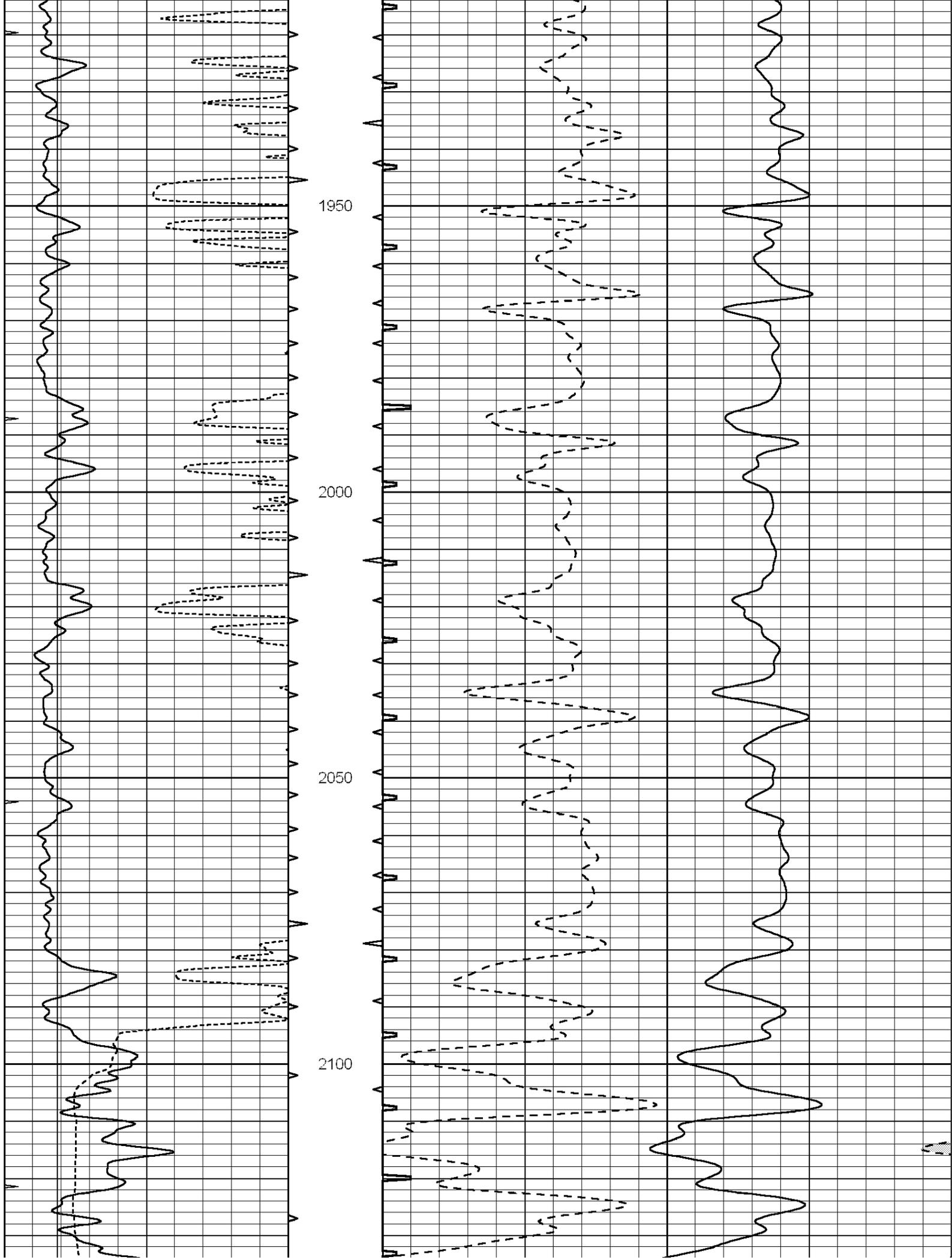


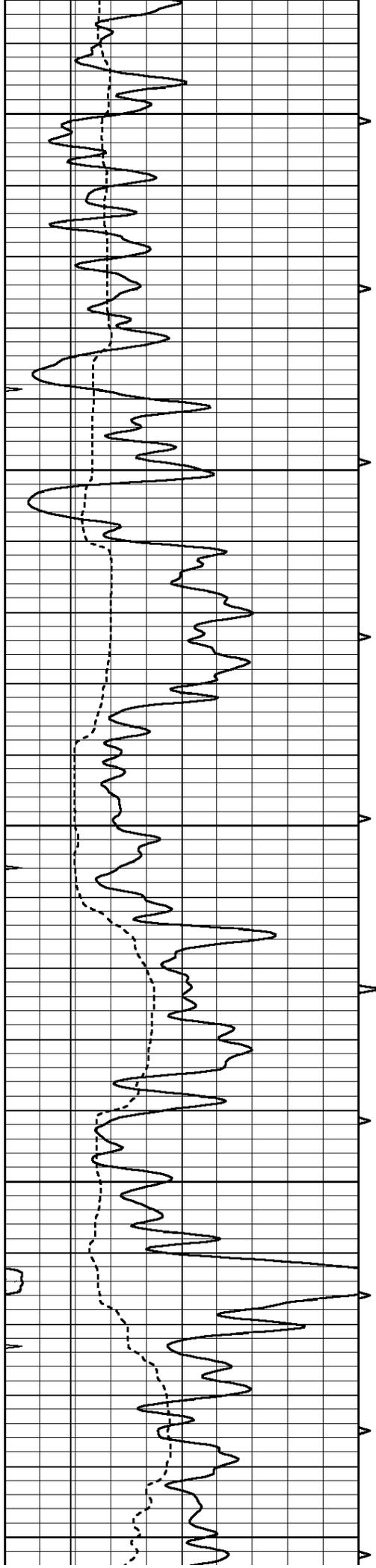












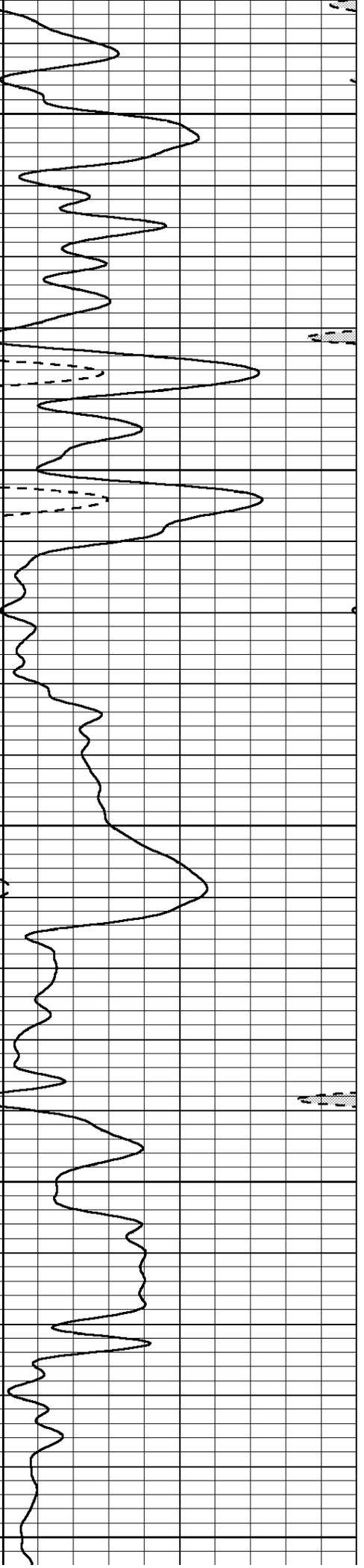
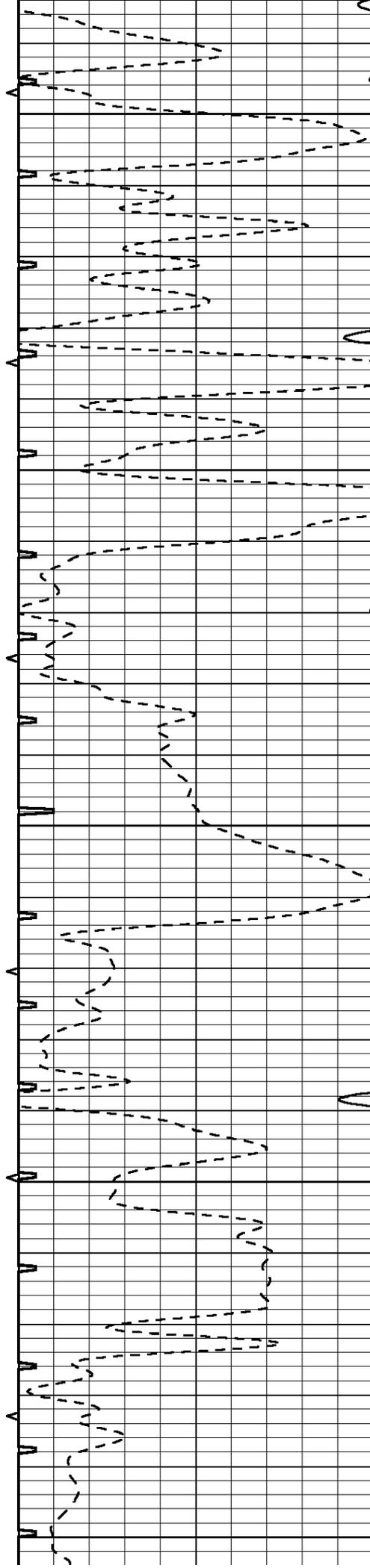
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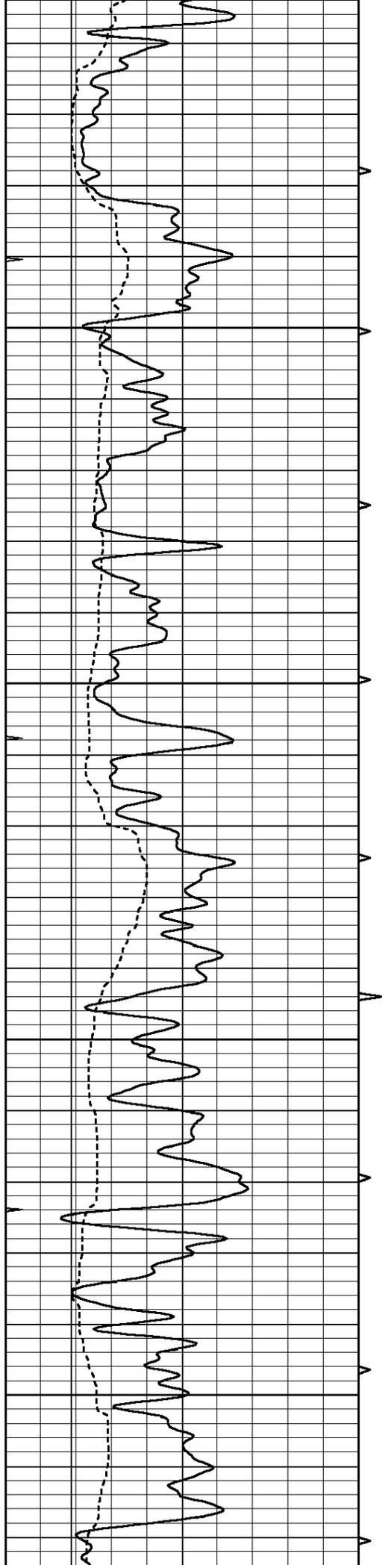
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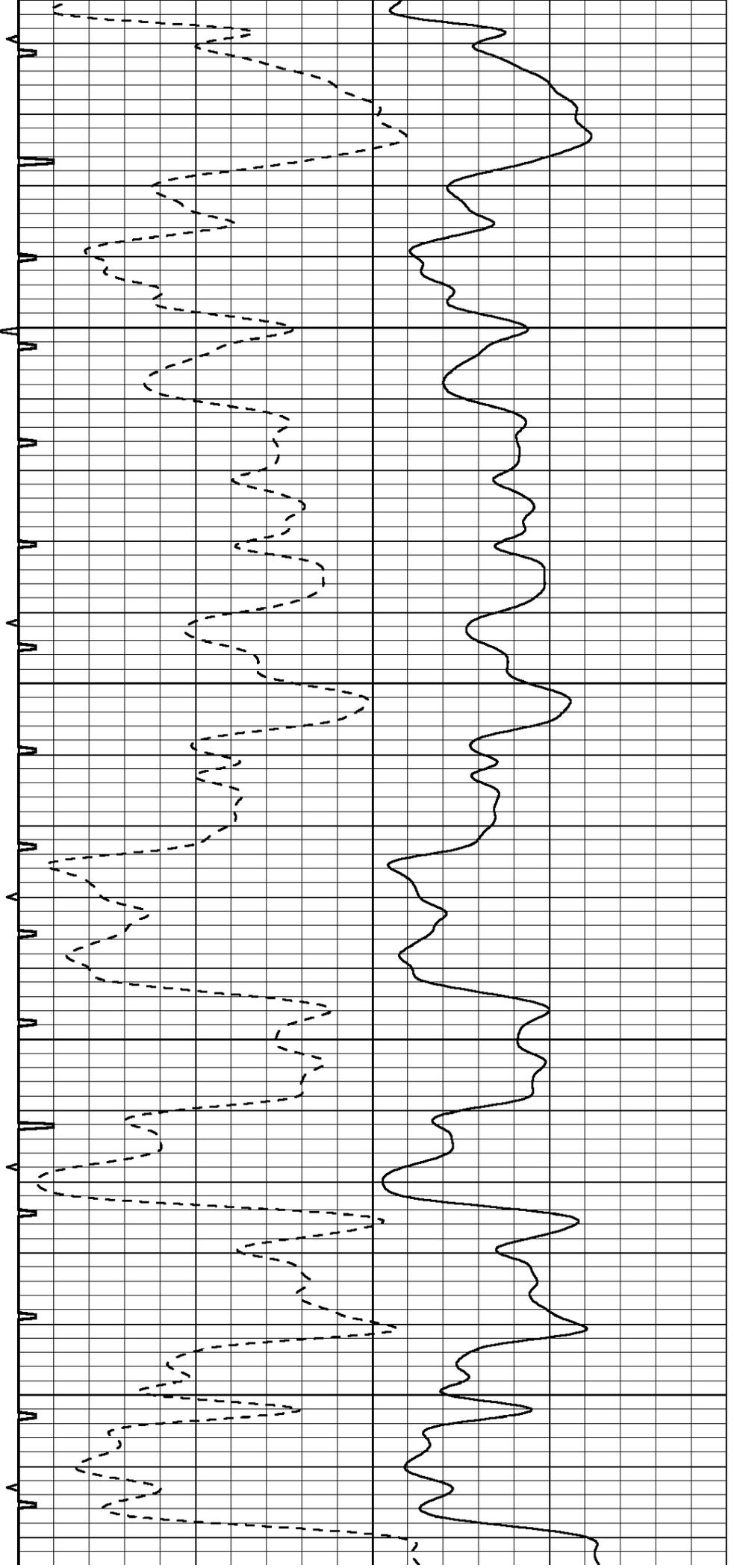
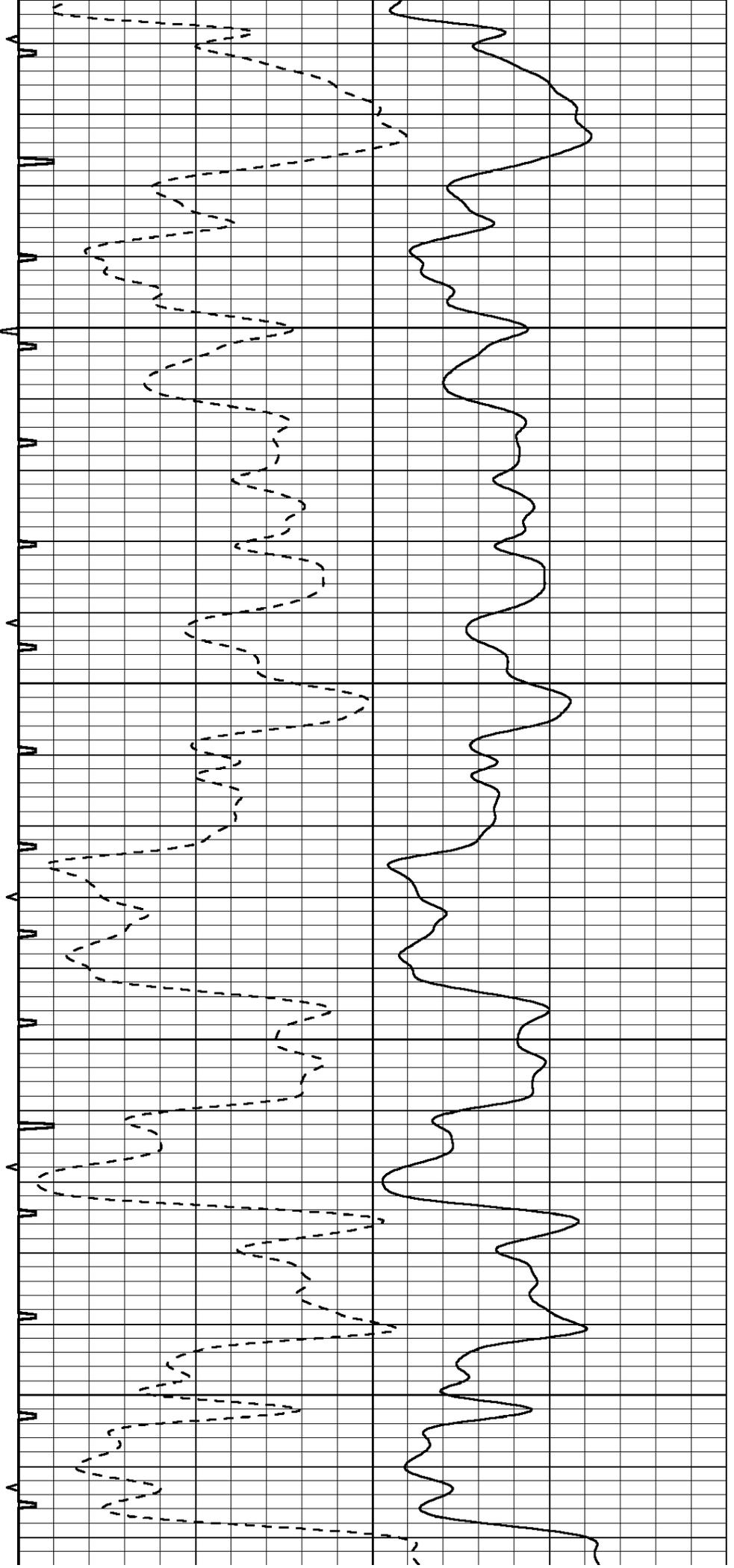


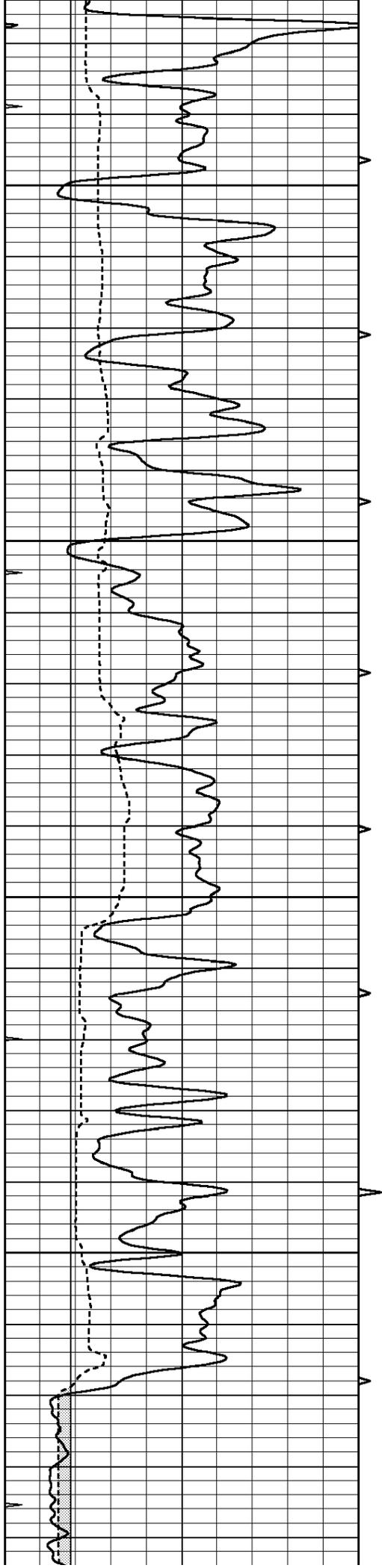
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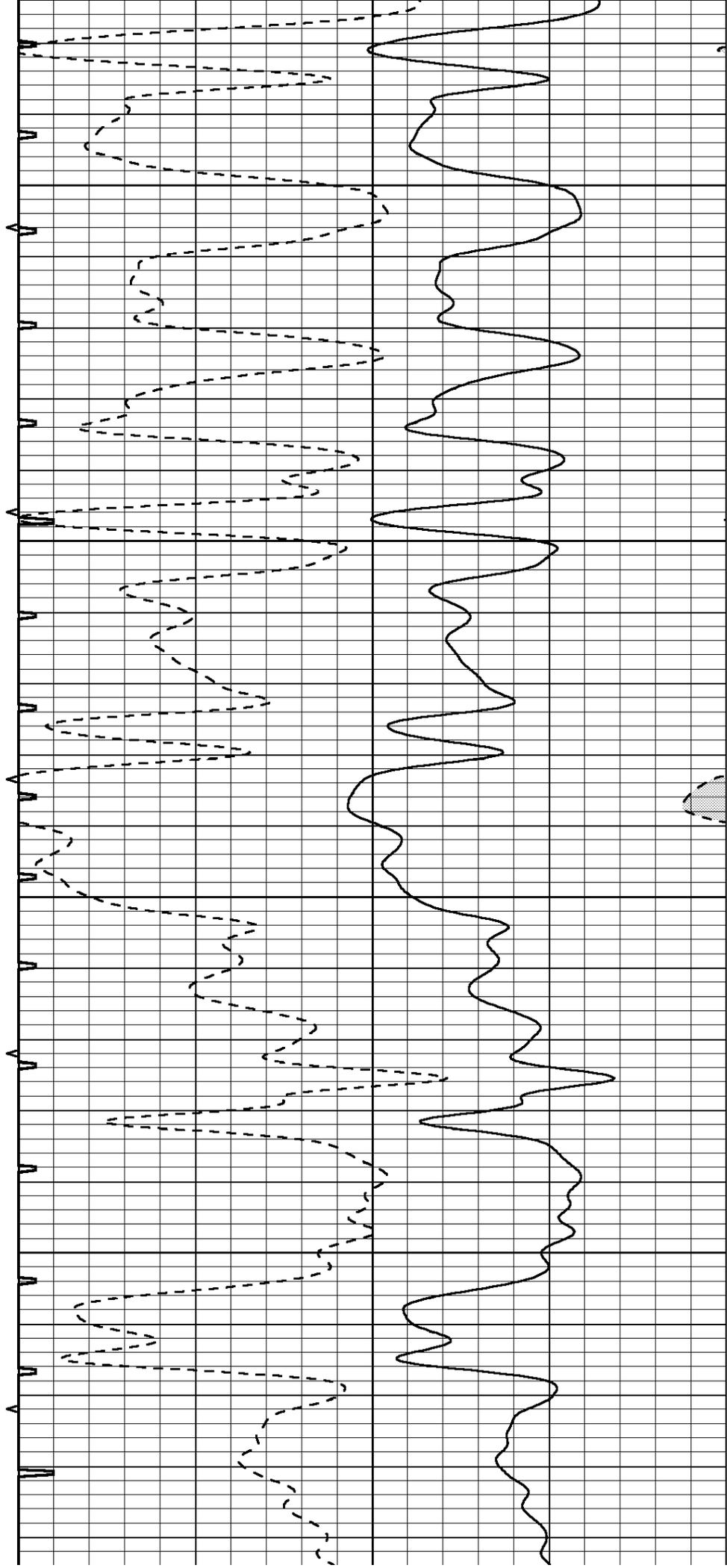


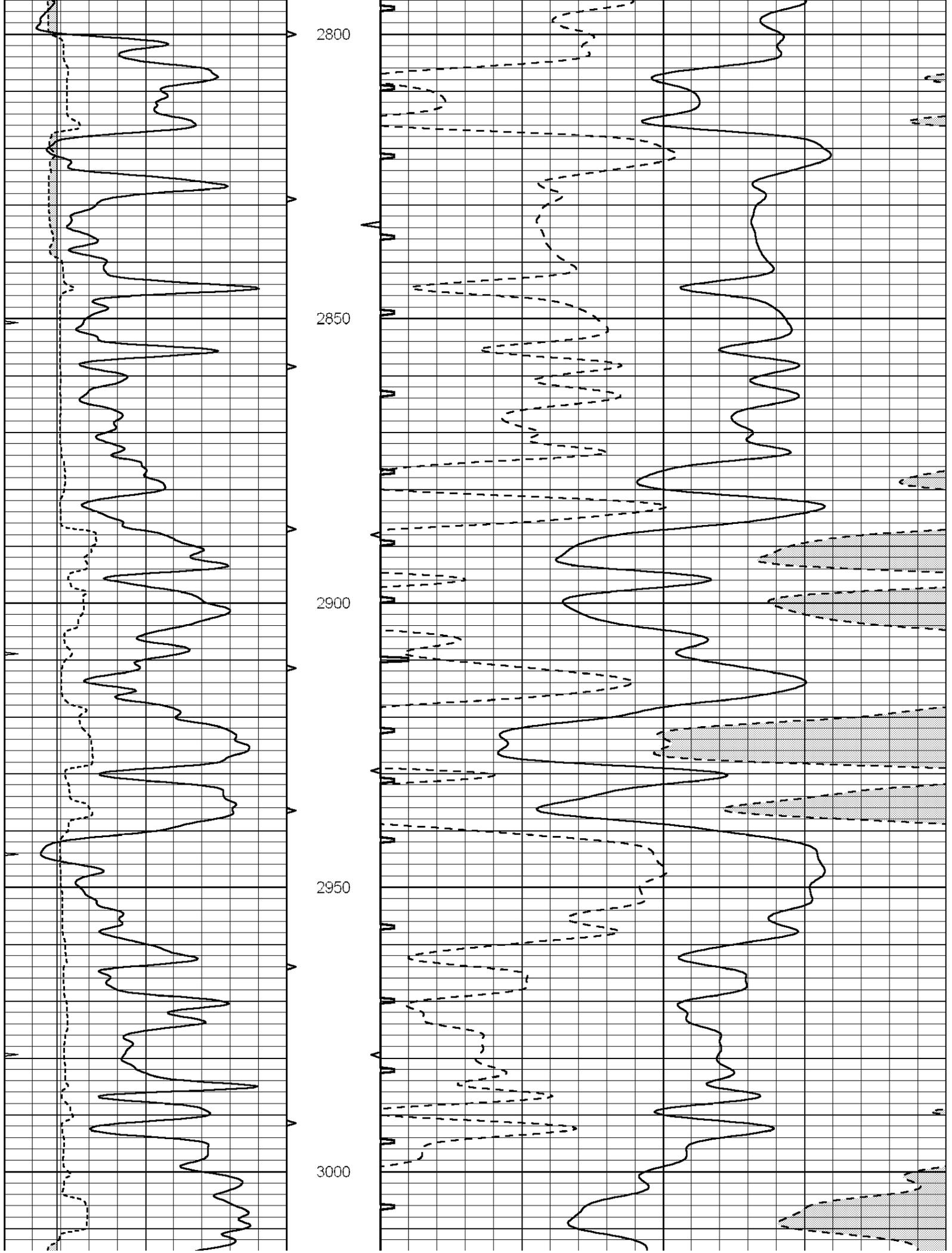
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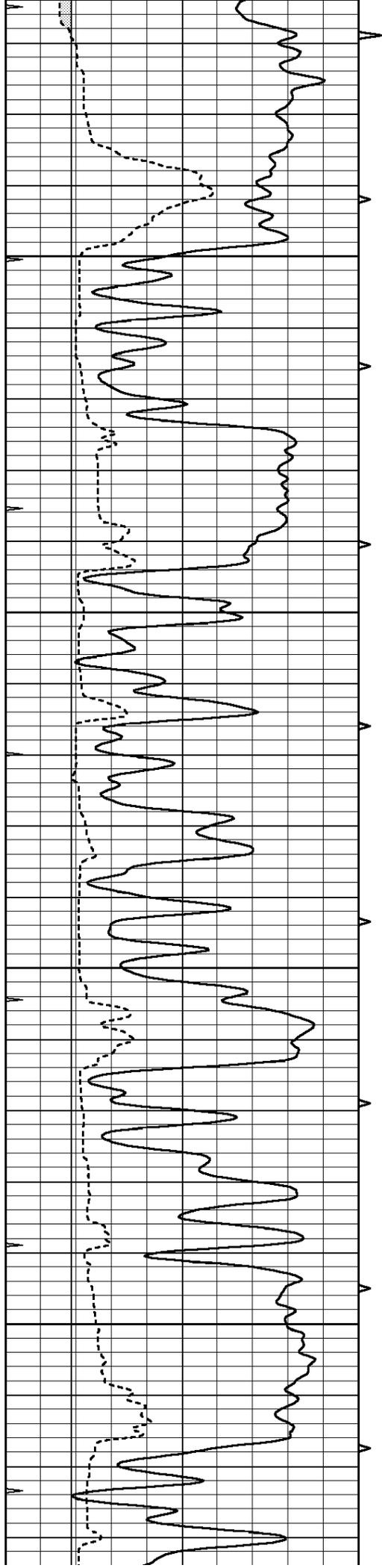
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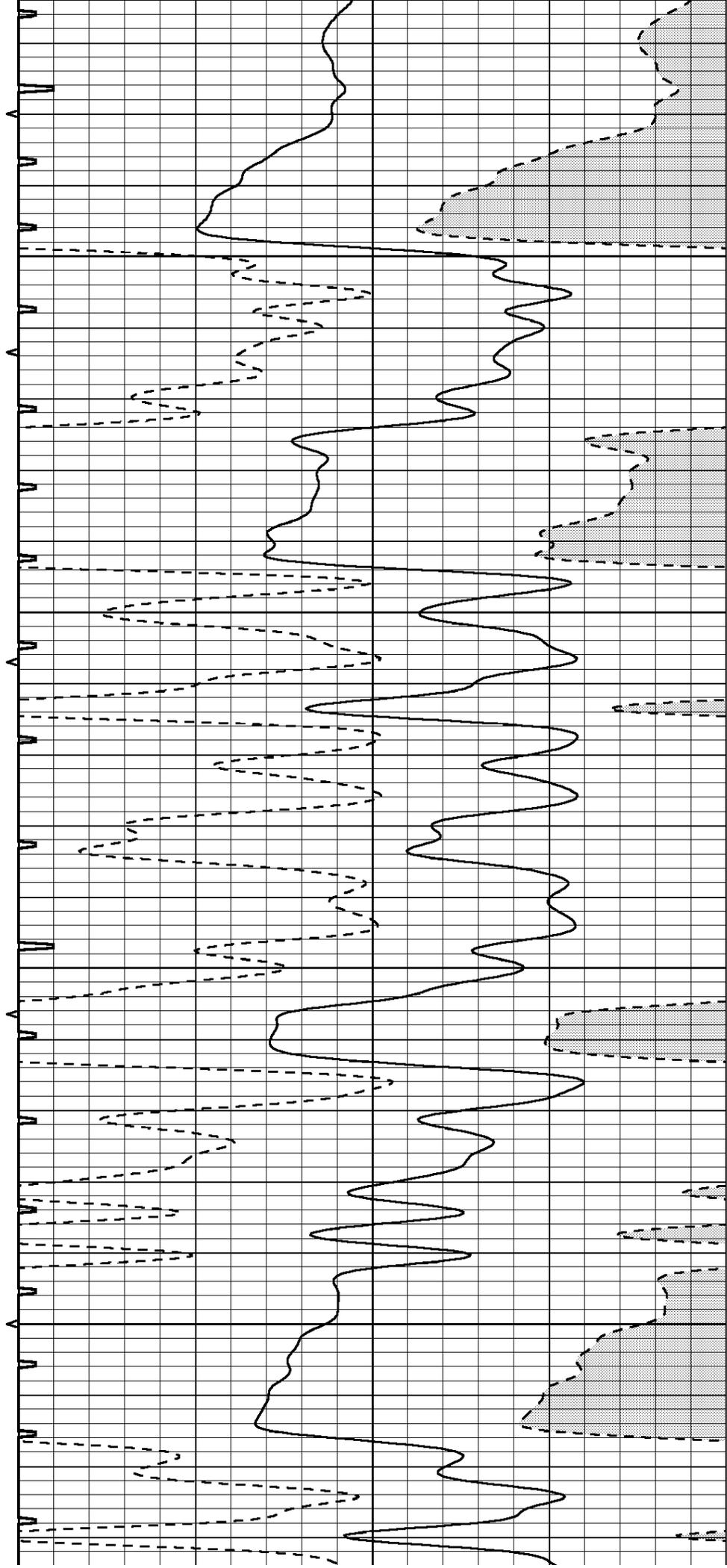


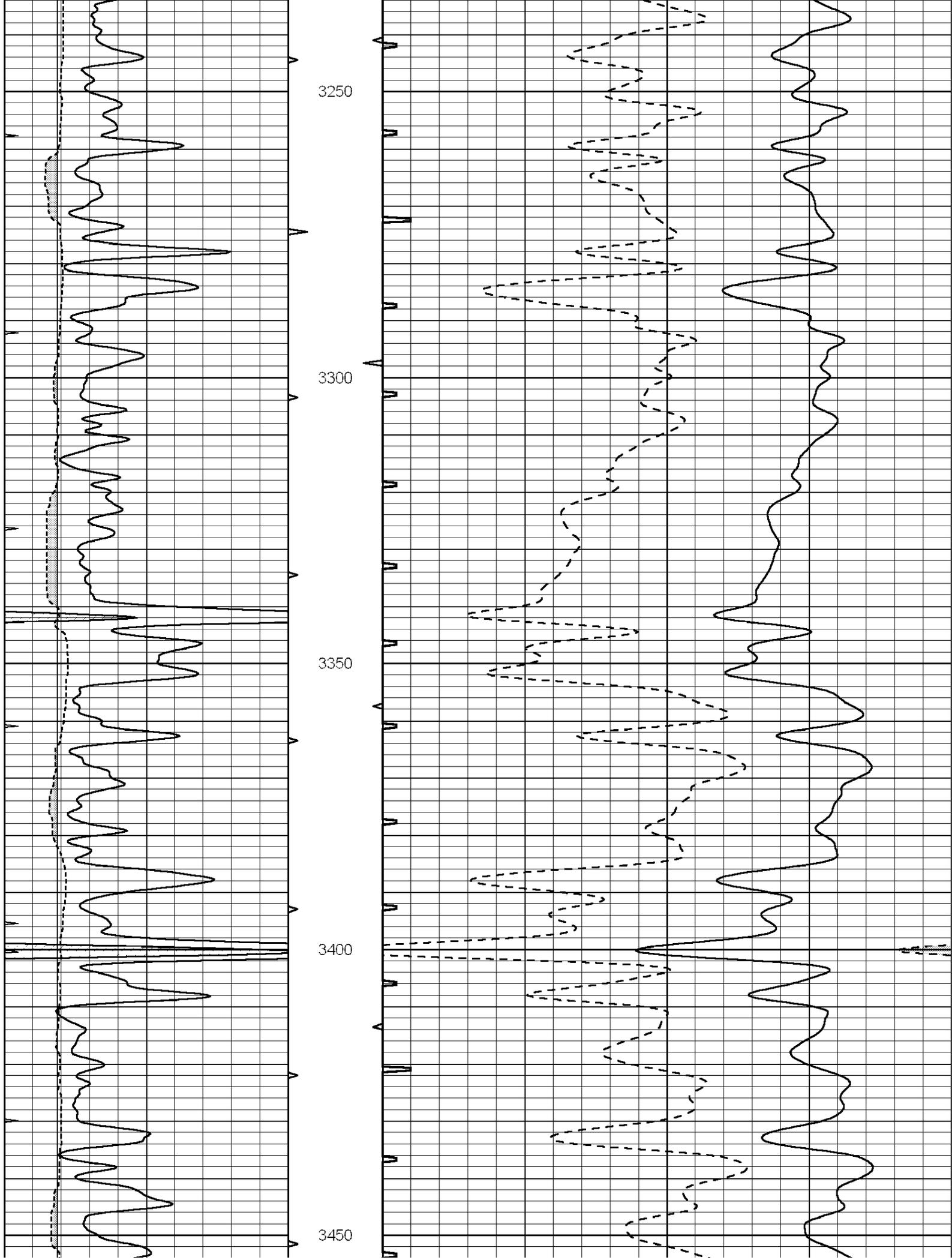
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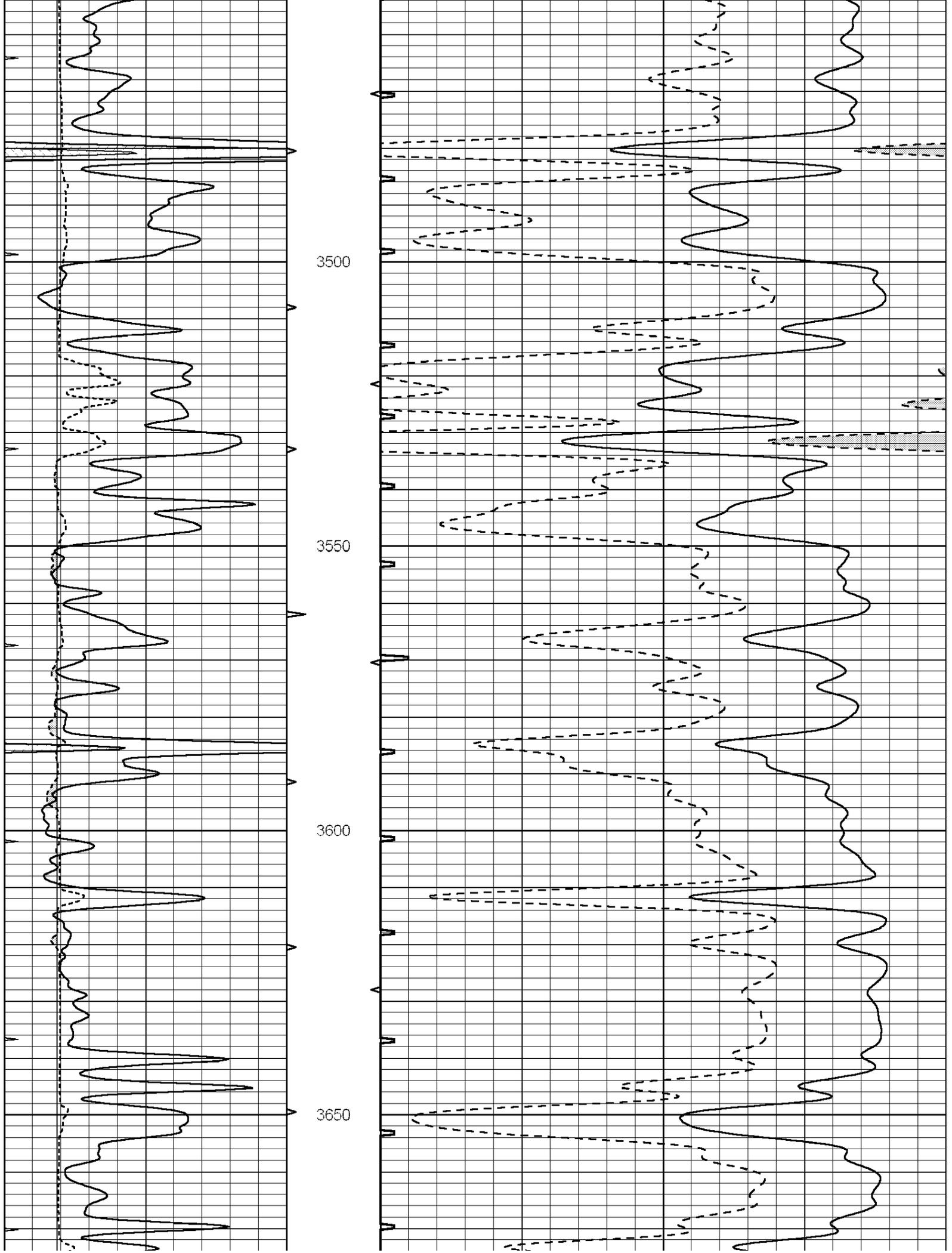
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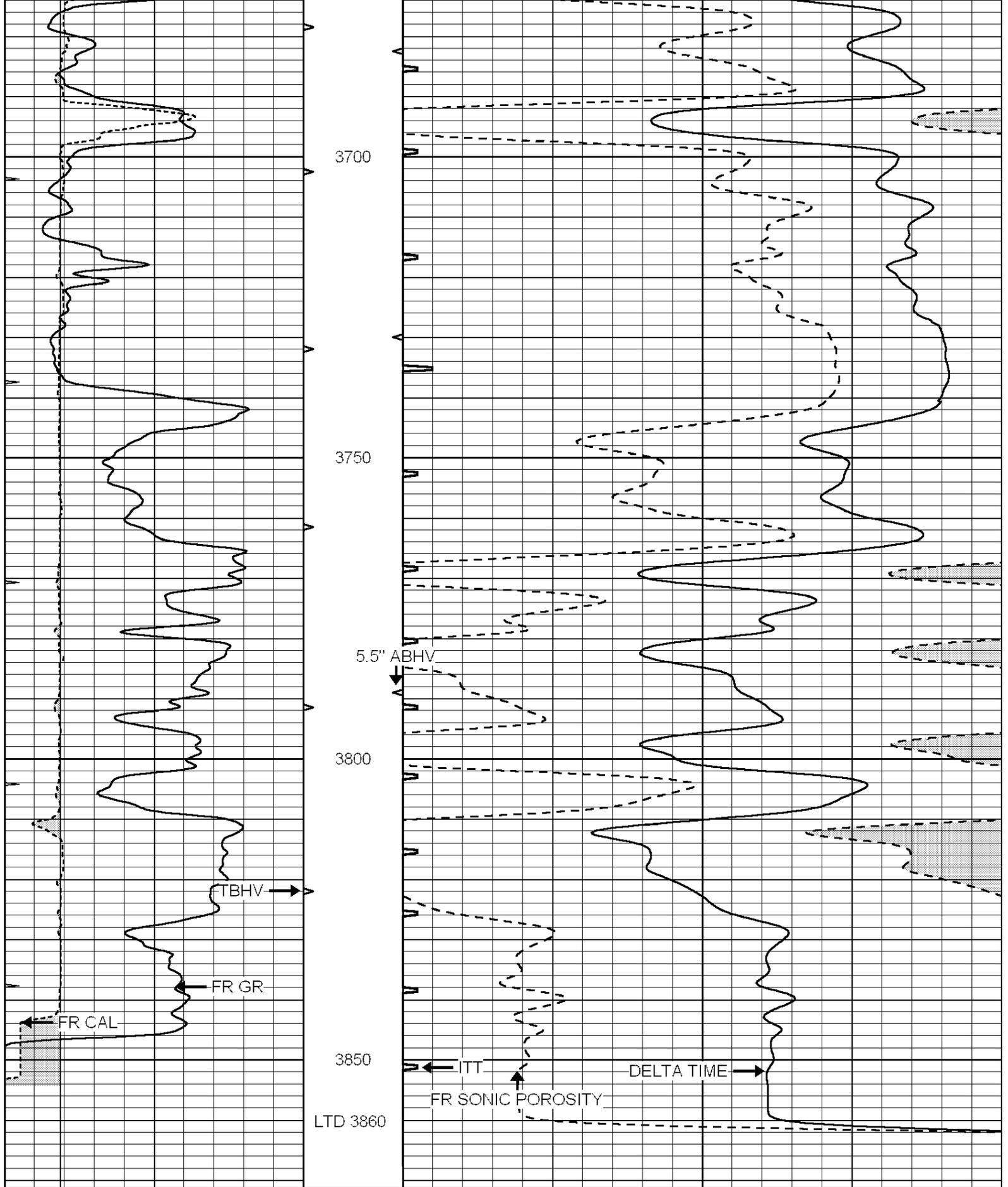
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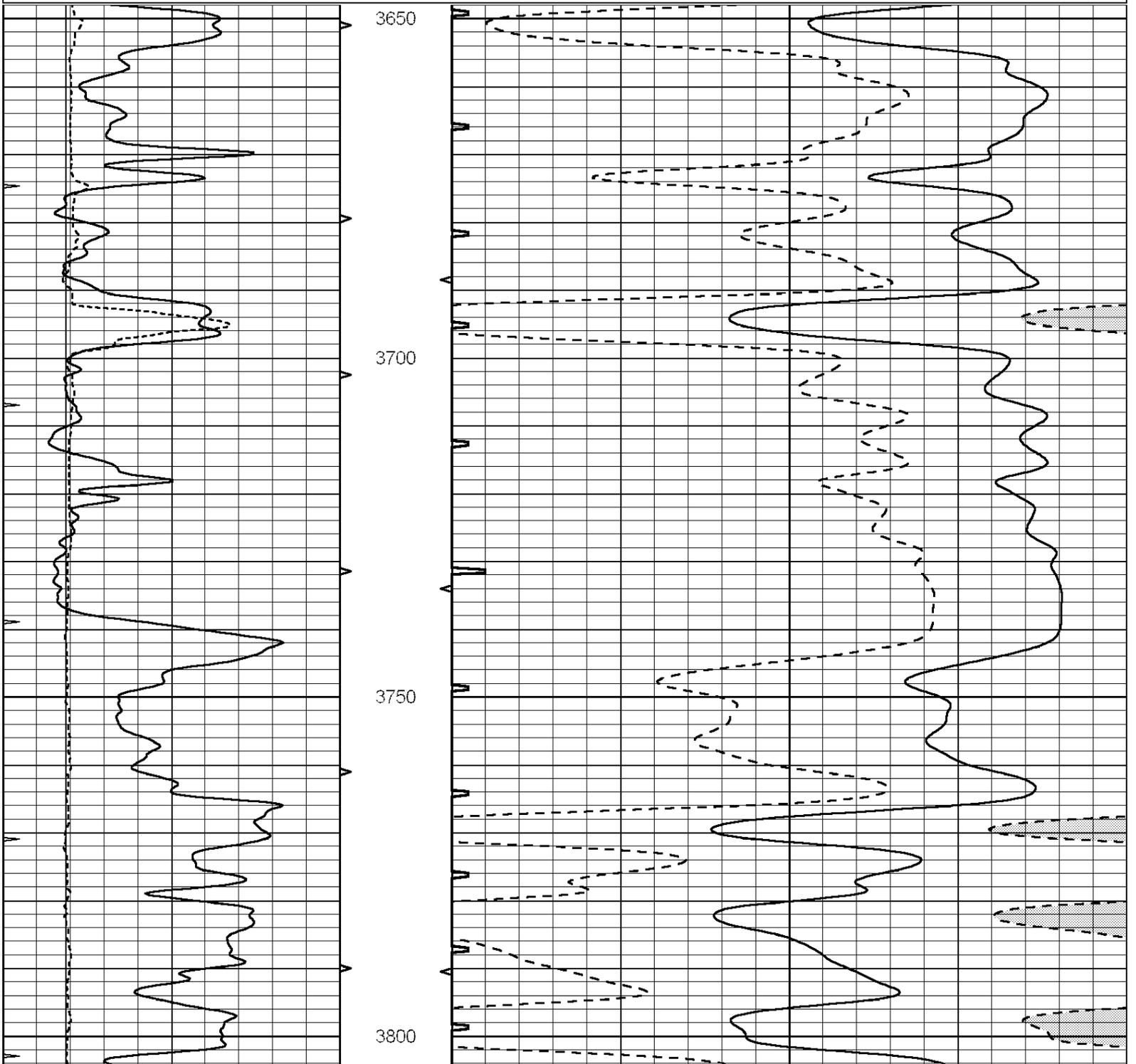


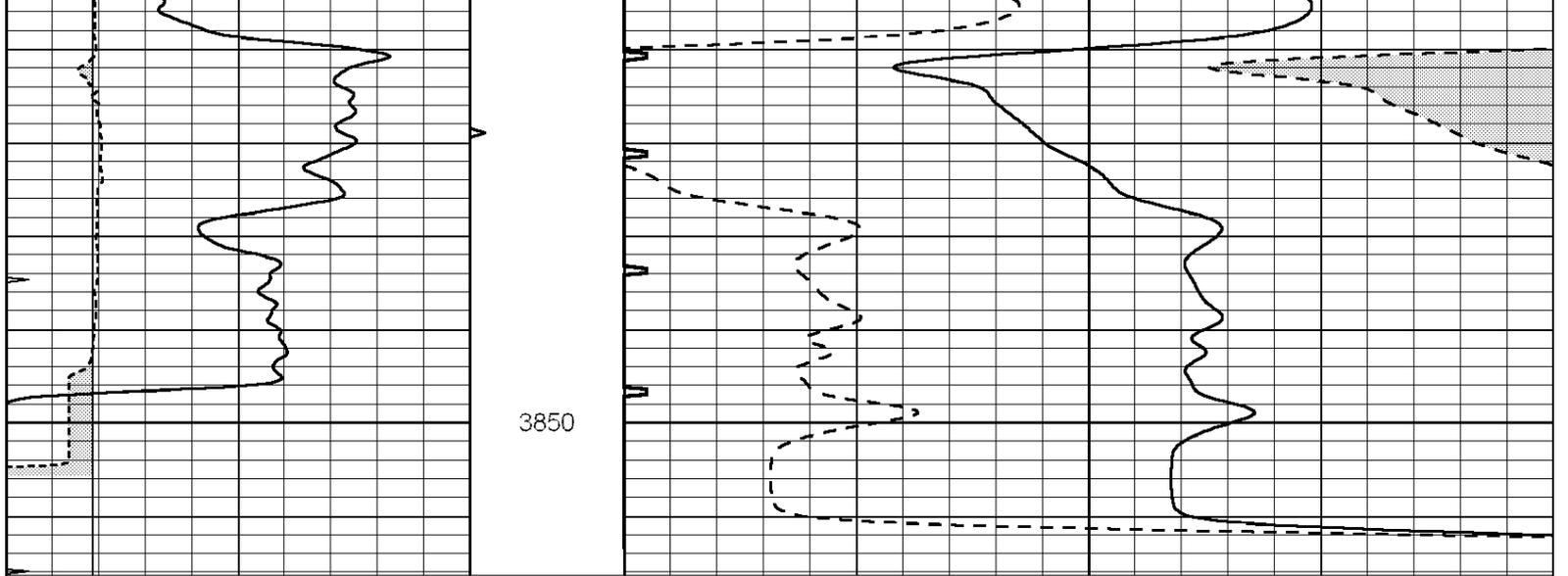
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6	CALIPER (in)	16	10 (ft3)	0	30	SONIC POROSITY (pu)
0	MINMK	20	TBHV	0	ITT (msec)	20
			0 (ft3)	10		

REPEAT SECTION

Database File: 22226ddn.db
 Dataset Pathname: pass5.4
 Presentation Format: slt
 Dataset Creation: Thu Dec 19 13:31:06 2013
 Charted by: Depth in Feet scaled 1:240

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6	CALIPER (in)	16	10 (ft3)	0	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			