



SUPERIOR
Hays,
Kansas

SONIC
LOG

Company NOBLE PETROLEUM, INC.
Well HARTMAN #1
Field PERTH
County SUMNER
State KANSAS

Company NOBLE PETROLEUM, INC.
Well HARTMAN #1
Field PERTH
County SUMNER State KANSAS

Location: API # : 15-191-22582-0000
500' FNL & 1650' FEL
SEC 11 TWP 33S RGE 2W
Permanent Datum GROUND LEVEL Elevation 1225
Log Measured From KELLY BUSHING 9' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services CDL/CNL DIL
Elevation K.B. 1234 D.F. 1232 G.L. 1225

Date	10/6/10
Run Number	TWO
Depth Driller	4274
Depth Logger	4274
Bottom Logged Interval	4261
Top Log Interval	200
Casing Driller	8 5/8"@264'
Casing Logger	262
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.2/42
pH / Fluid Loss	10.5/11.4
Source of Sample	FLOWLINE
Rim @ Meas. Temp	.520@84F
Rmf @ Meas. Temp	.390@84F
Rmc @ Meas. Temp	.624@84F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	.367@119F
Time Circulation Stopped	10 HOURS
Time Logger on Bottom	7:45 A.M.
Maximum Recorded Temperature	119F
Equipment Number	0836
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	KENT CRISLER

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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 SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
WELLINGTON, KS. 3 1/2W. ON HWY 160 TO "DRURY RD." 5S. TO "RD. 60", 1 1/2W., S. INTO

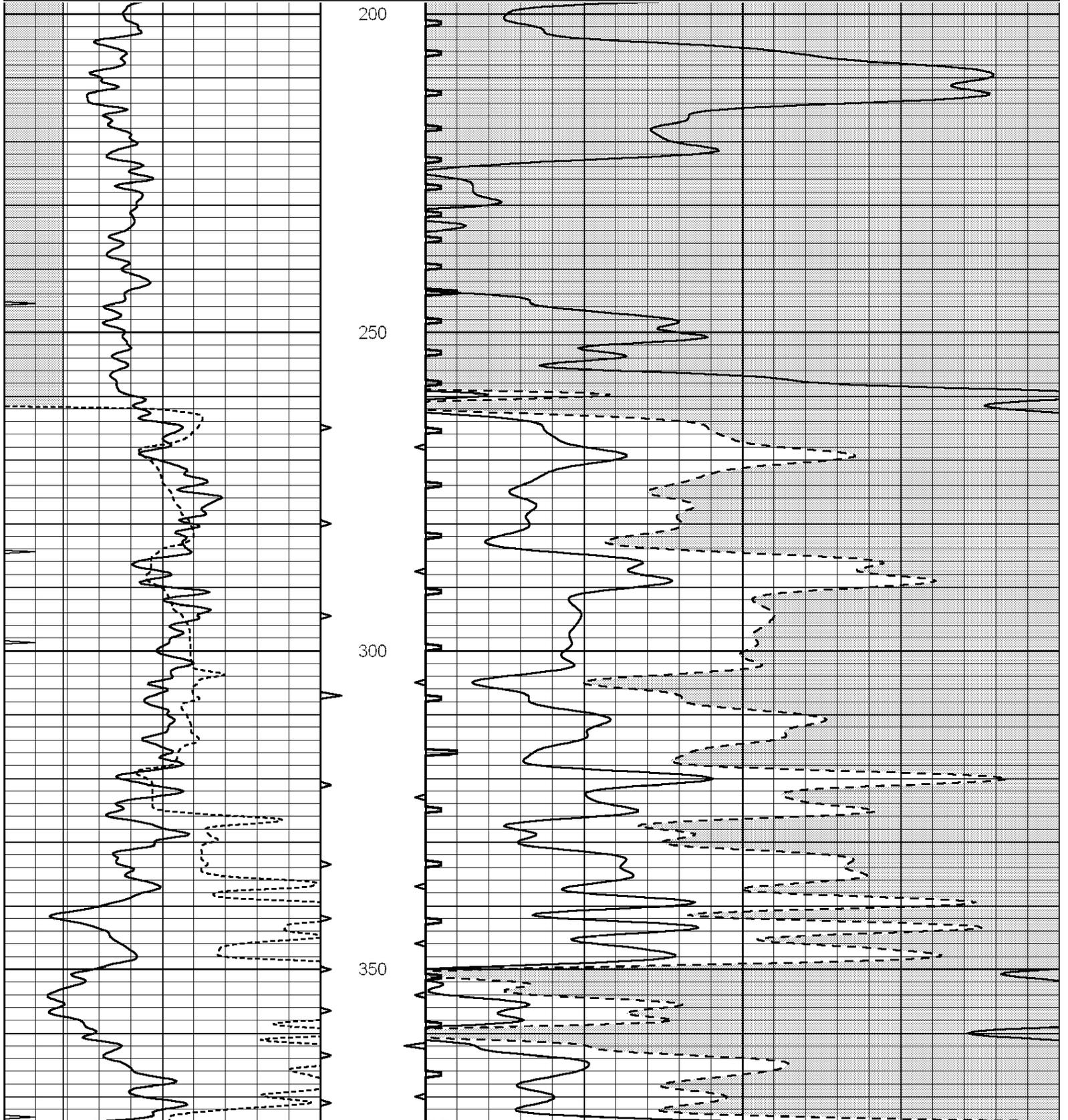


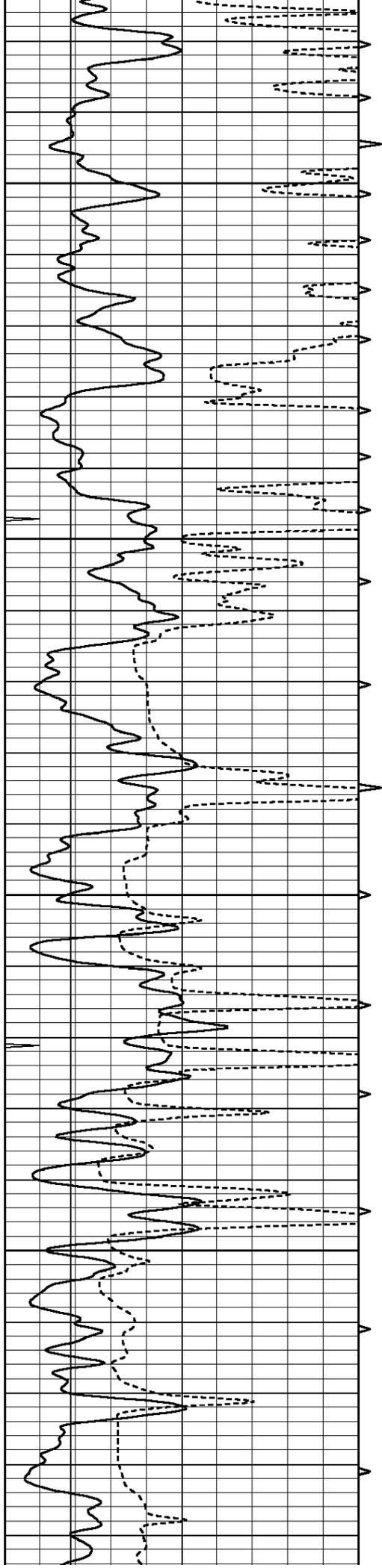
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MAIN SECTION

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 Presentation Format: slt
 Dataset Creation: Wed Oct 06 12:07:23 2010 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

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



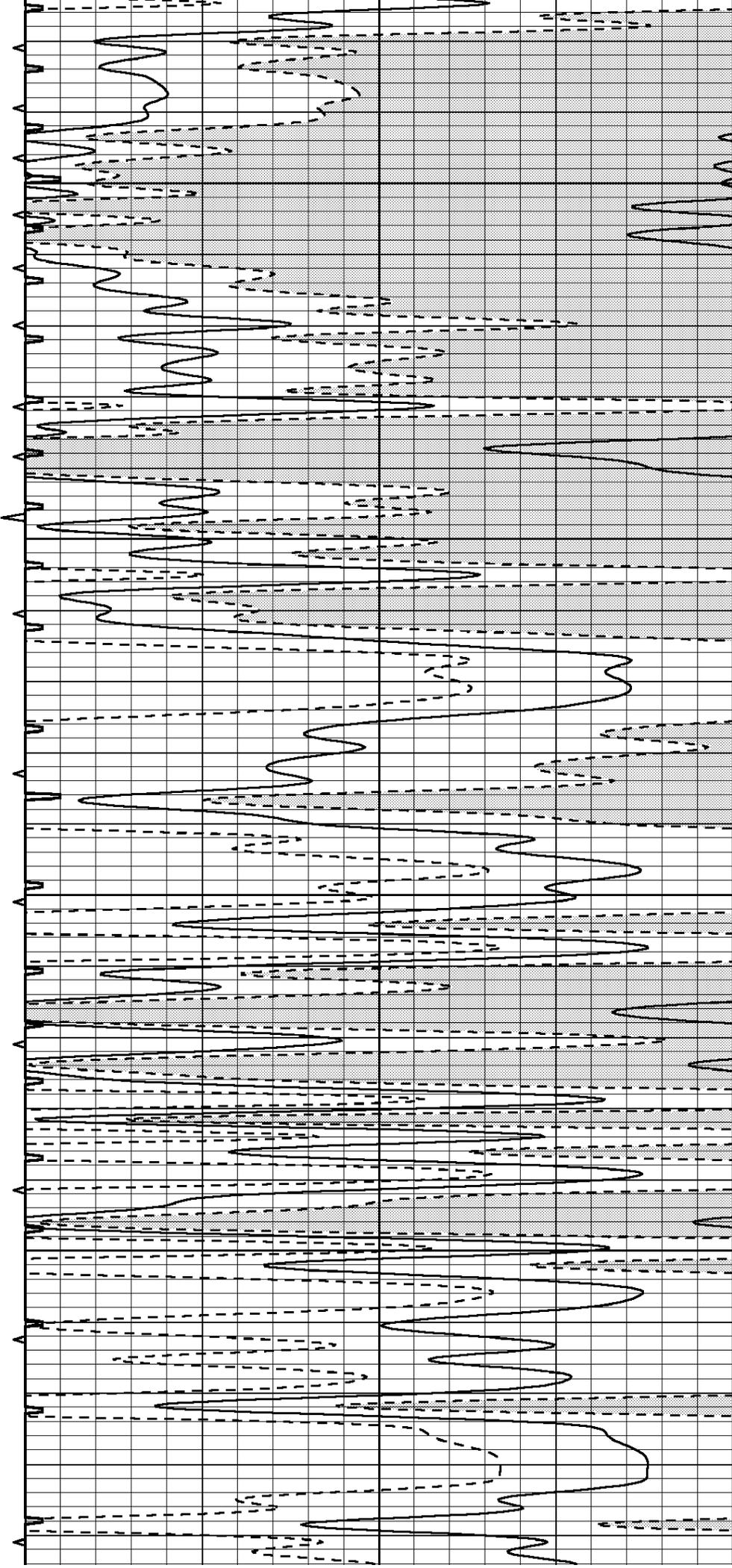


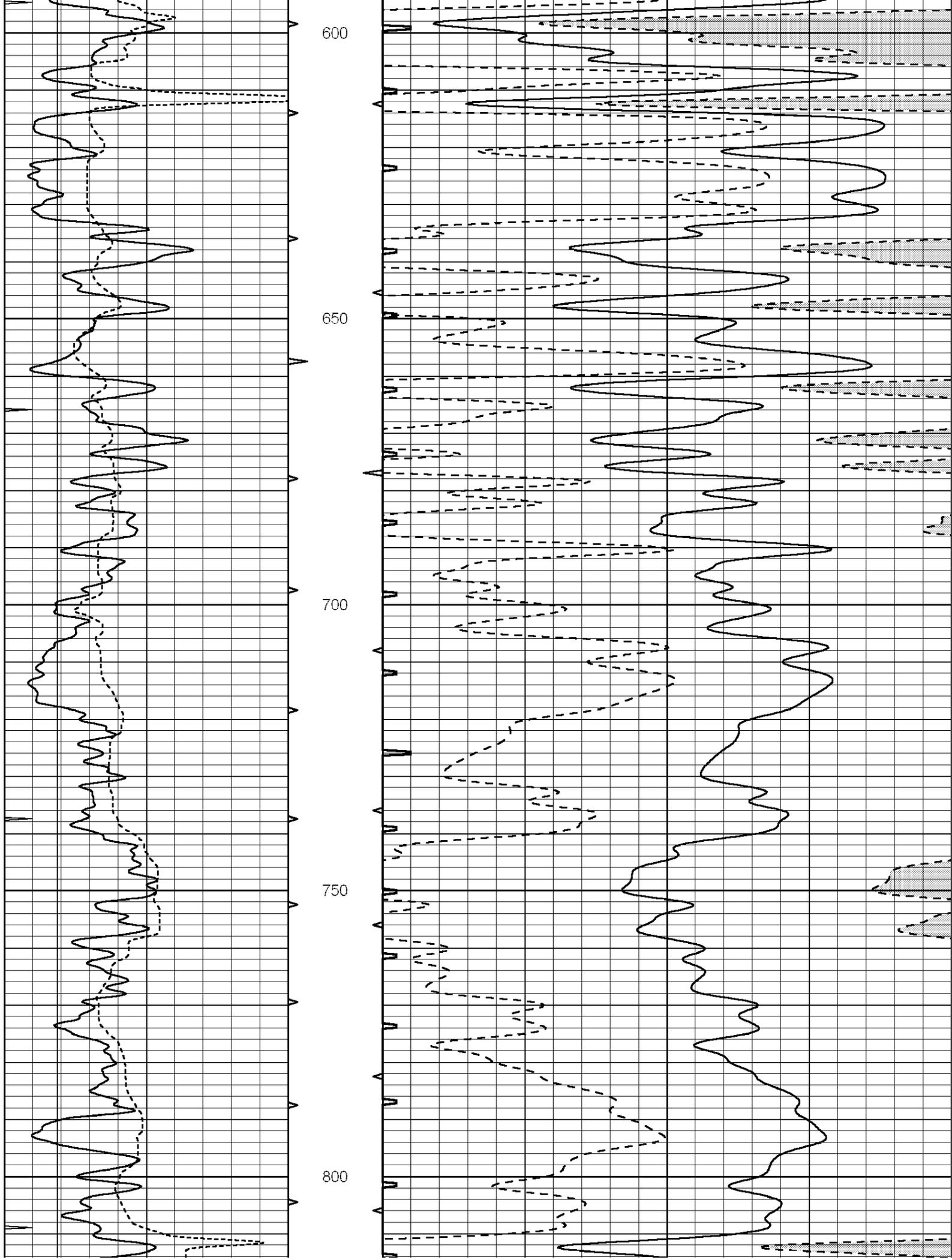
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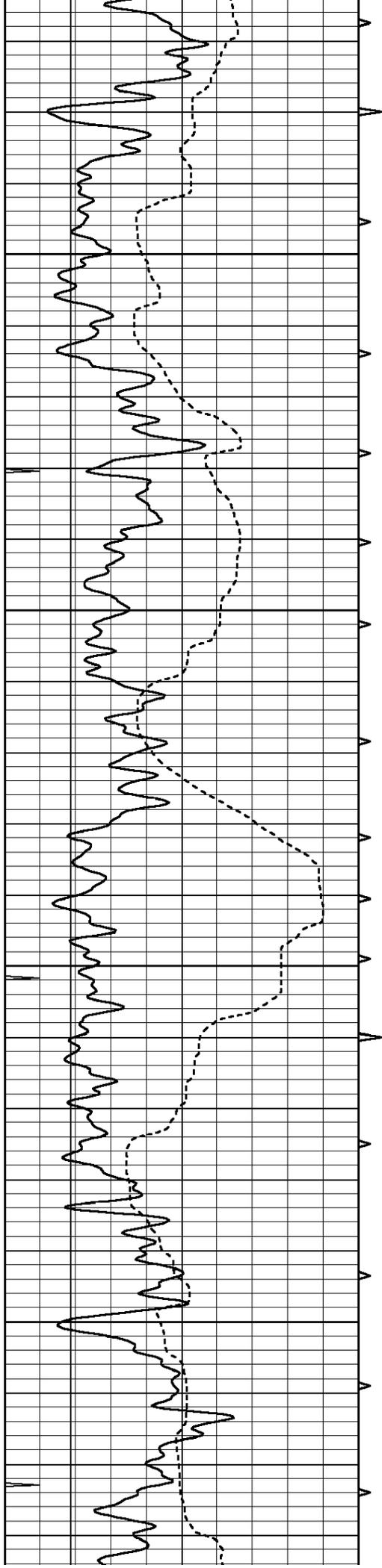
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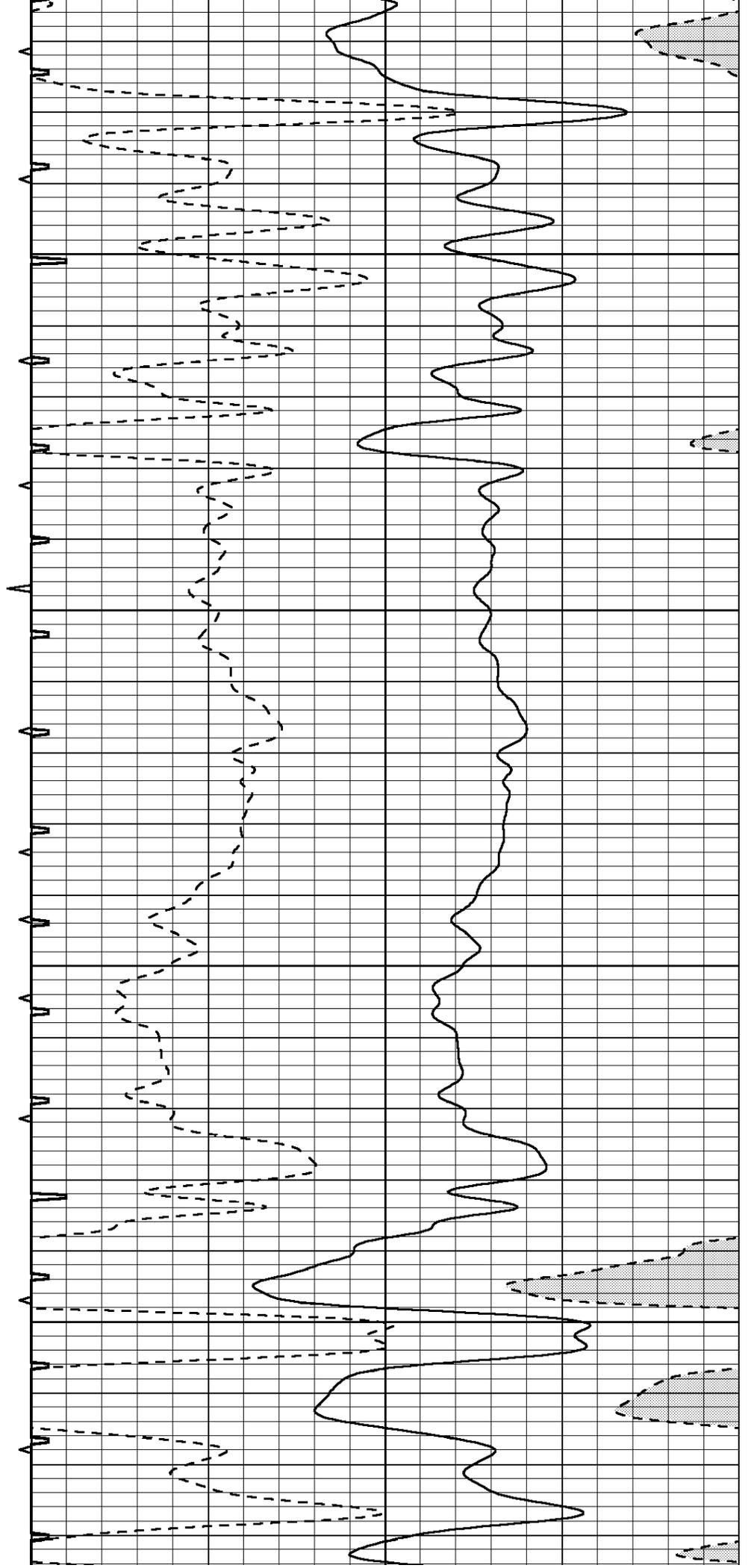


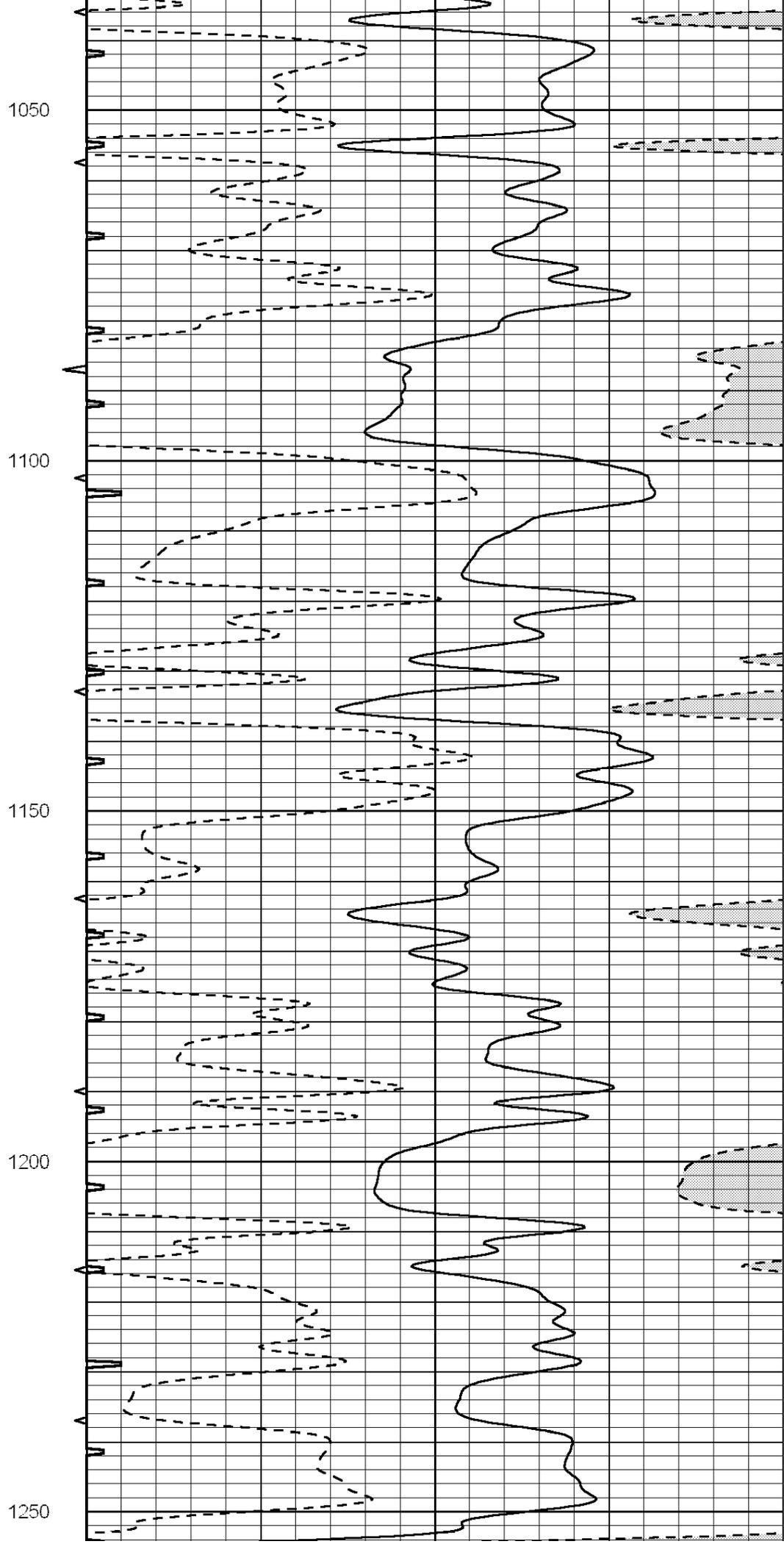
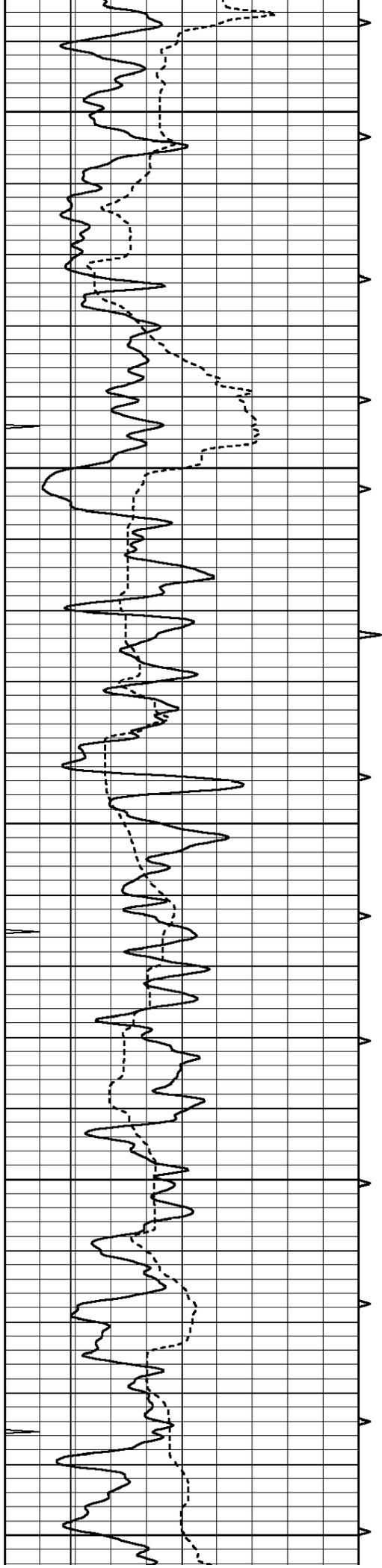
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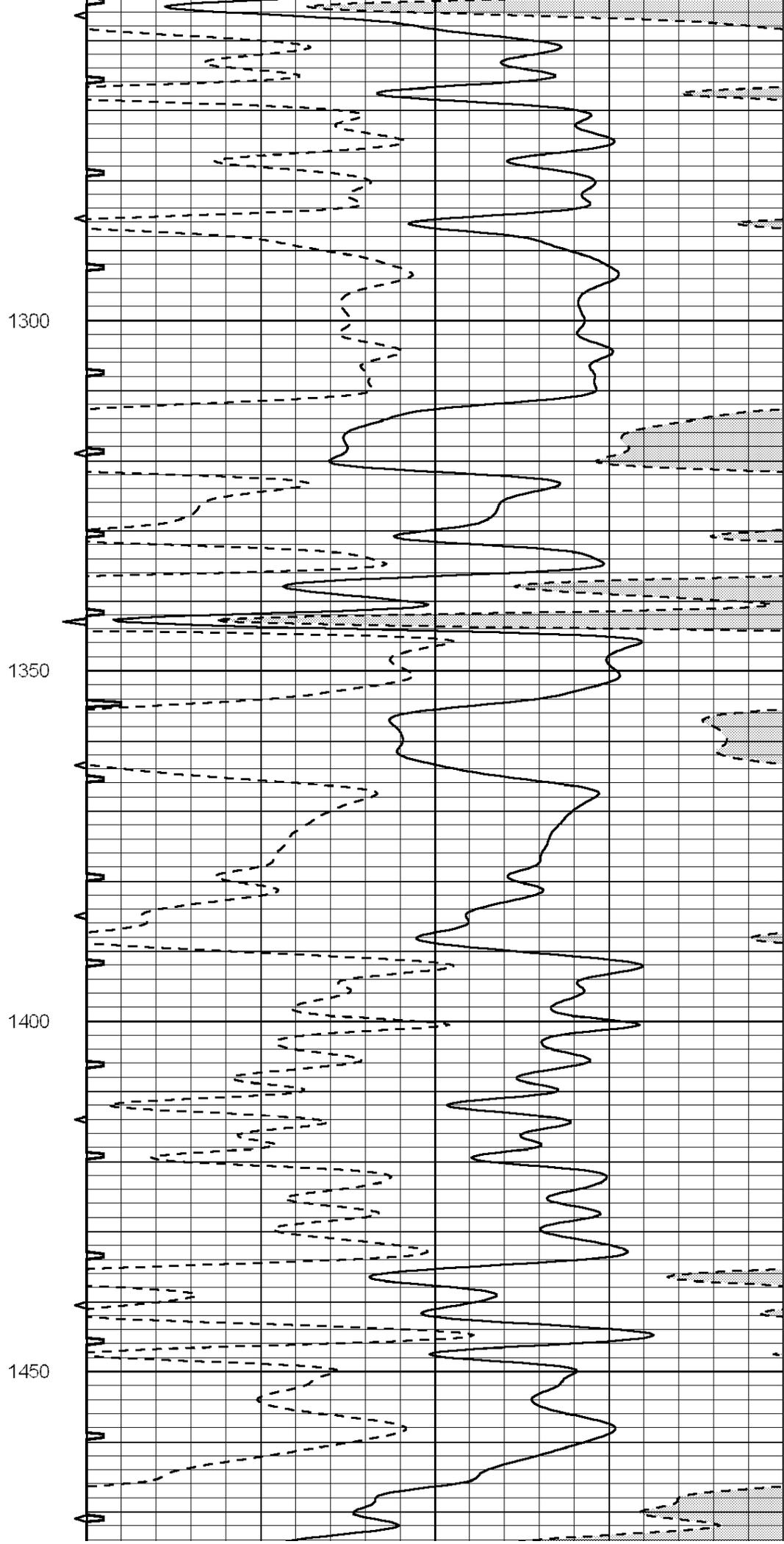
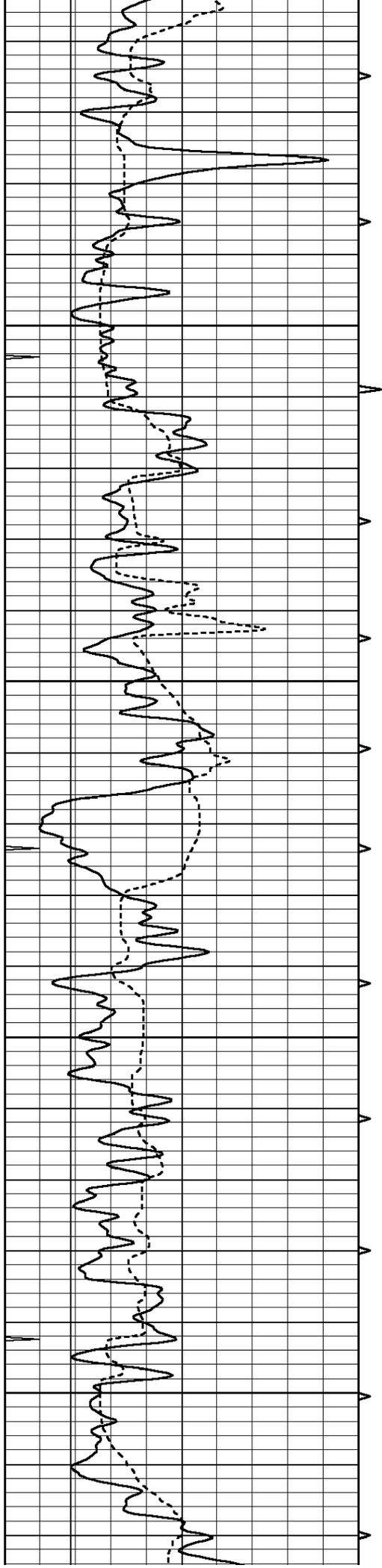
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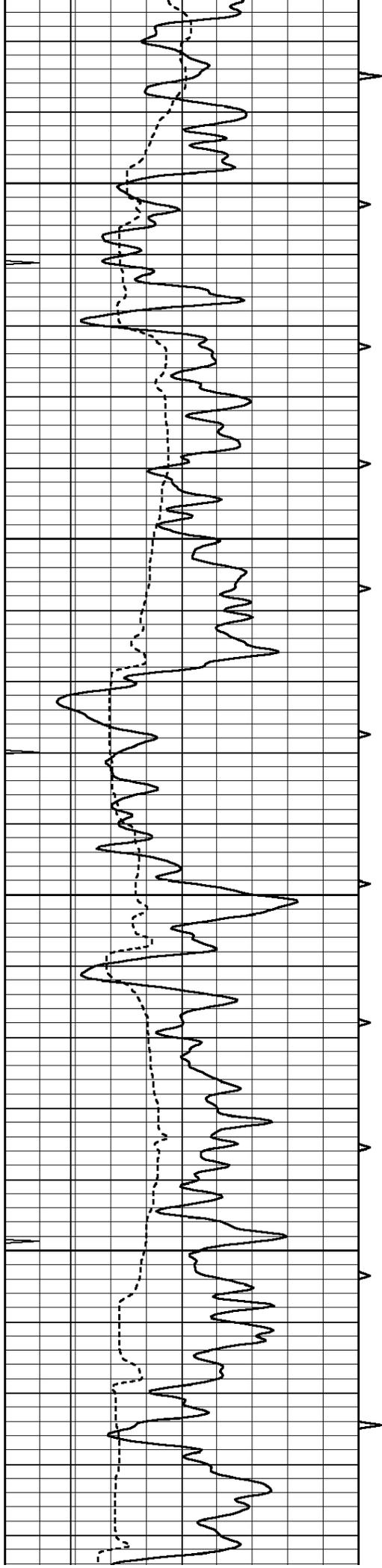
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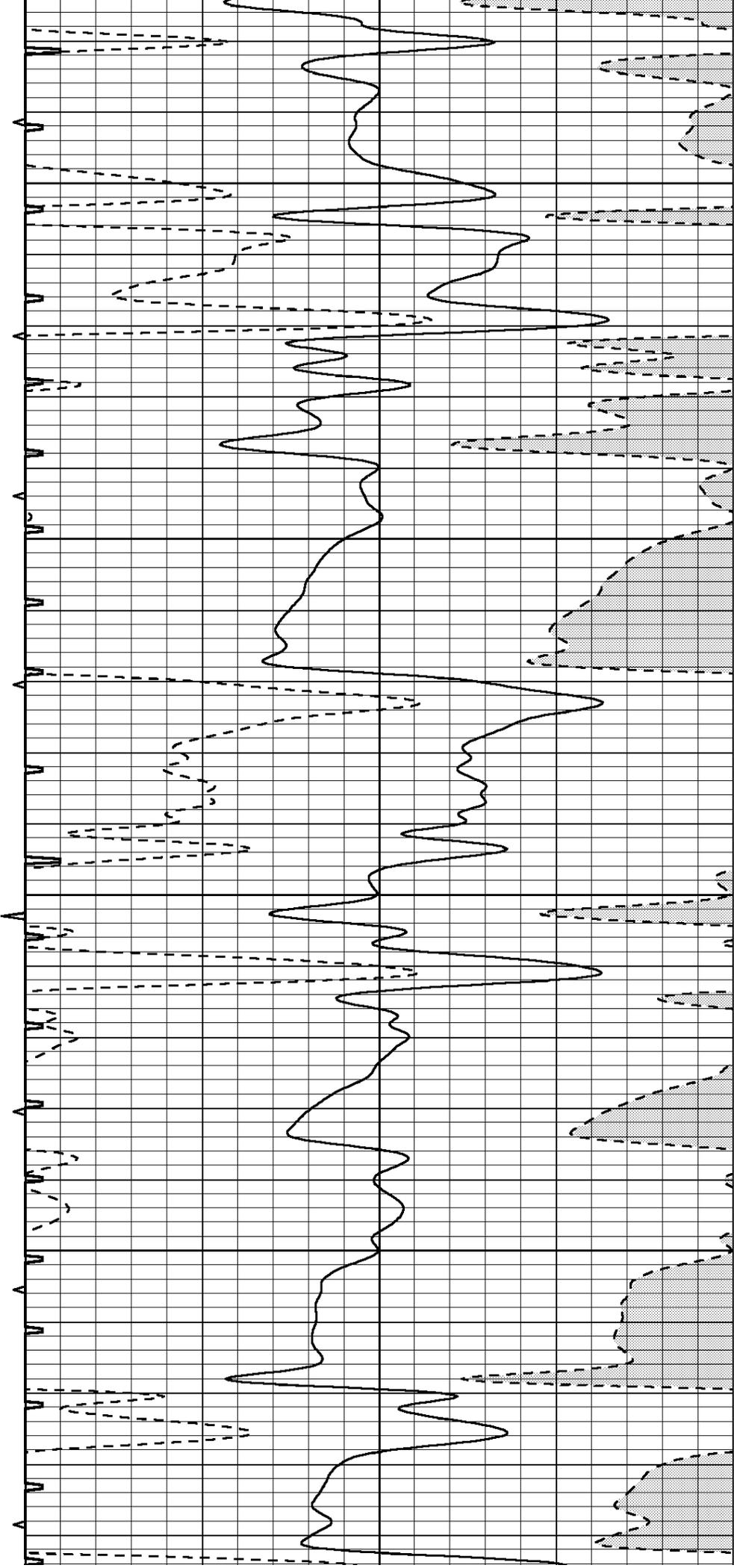


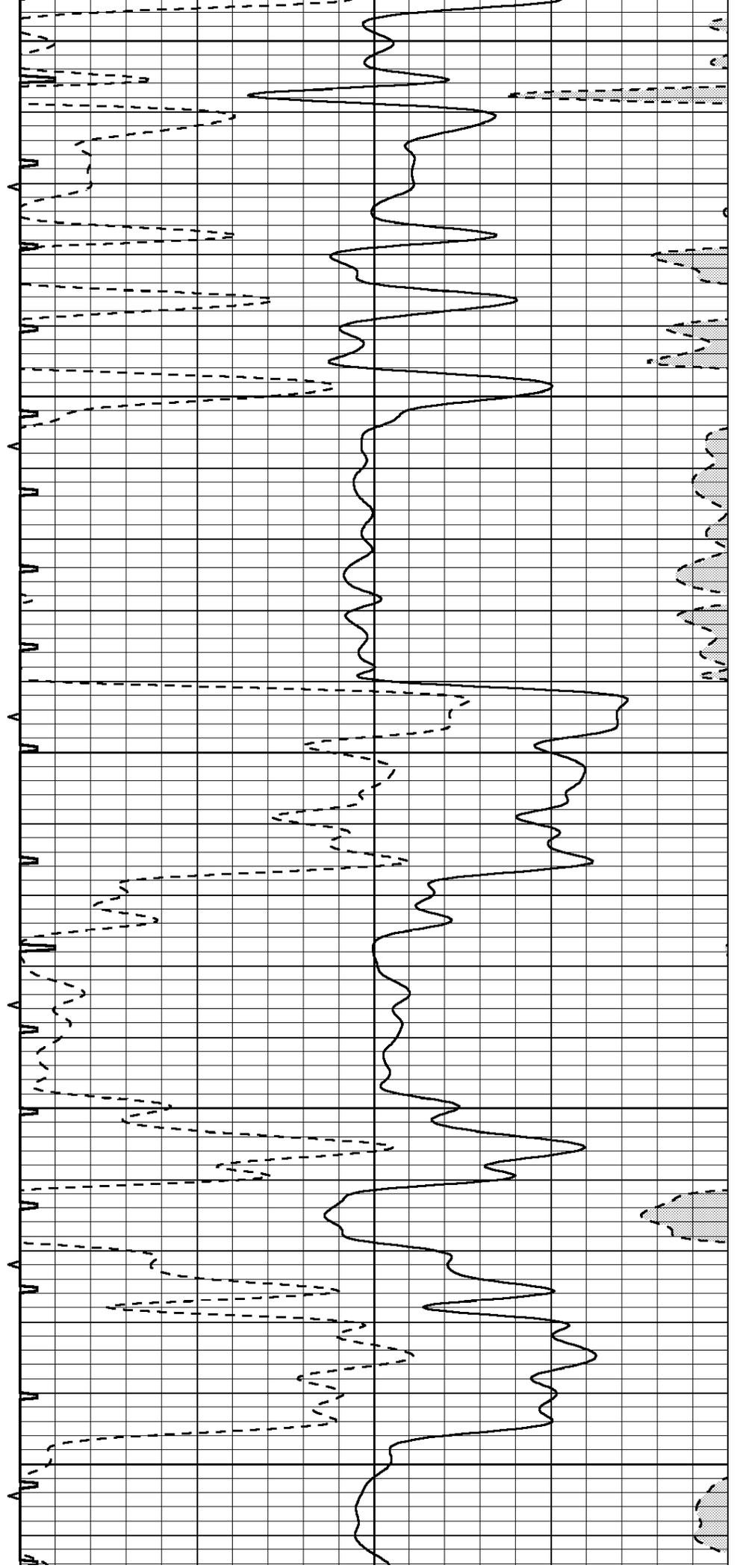
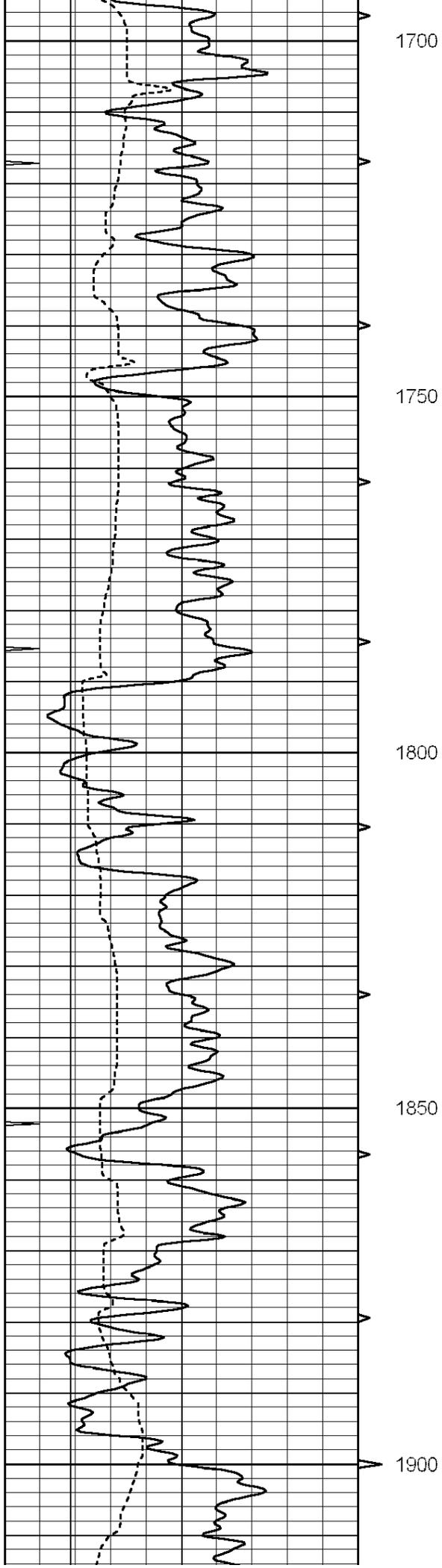
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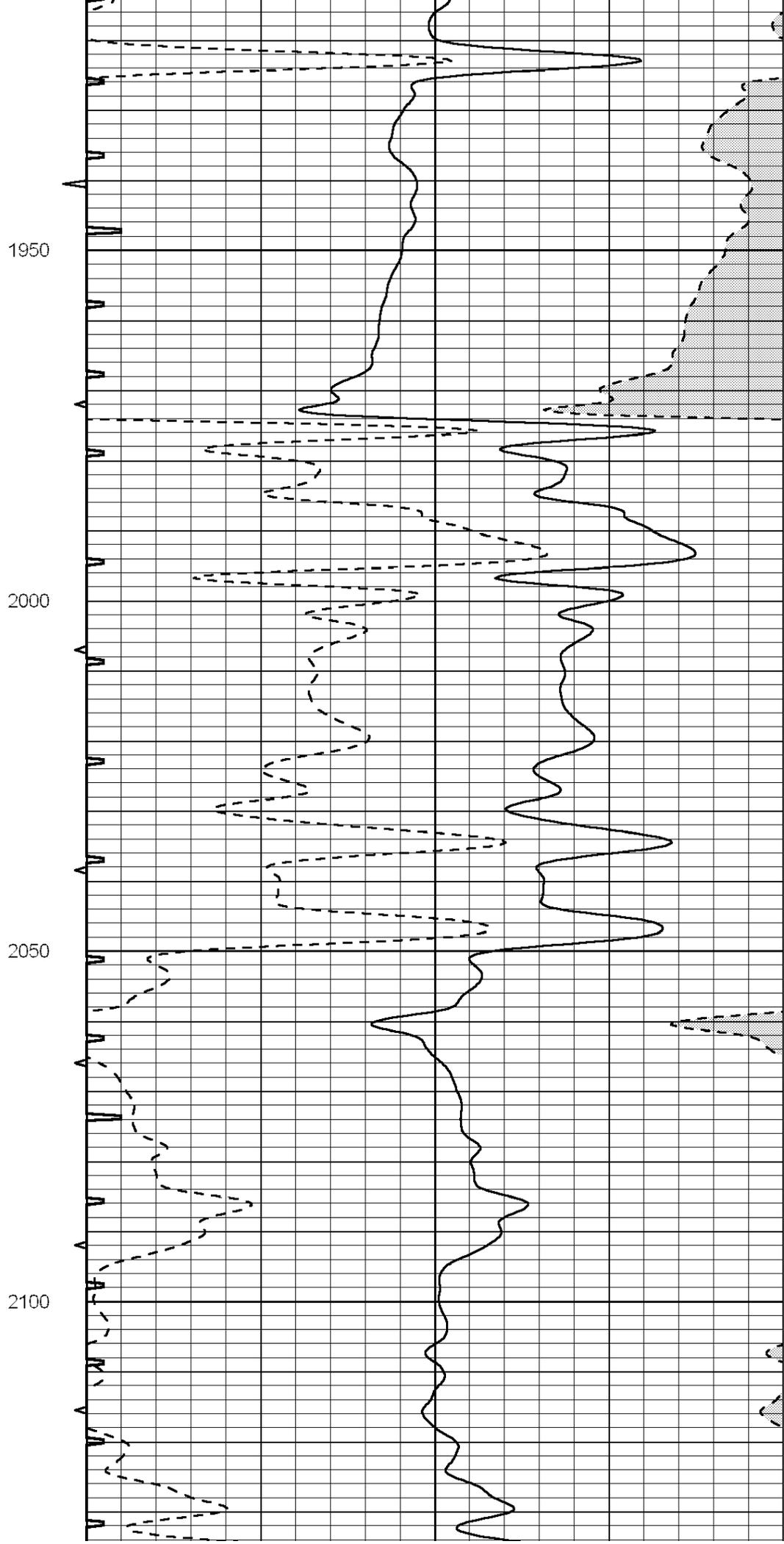
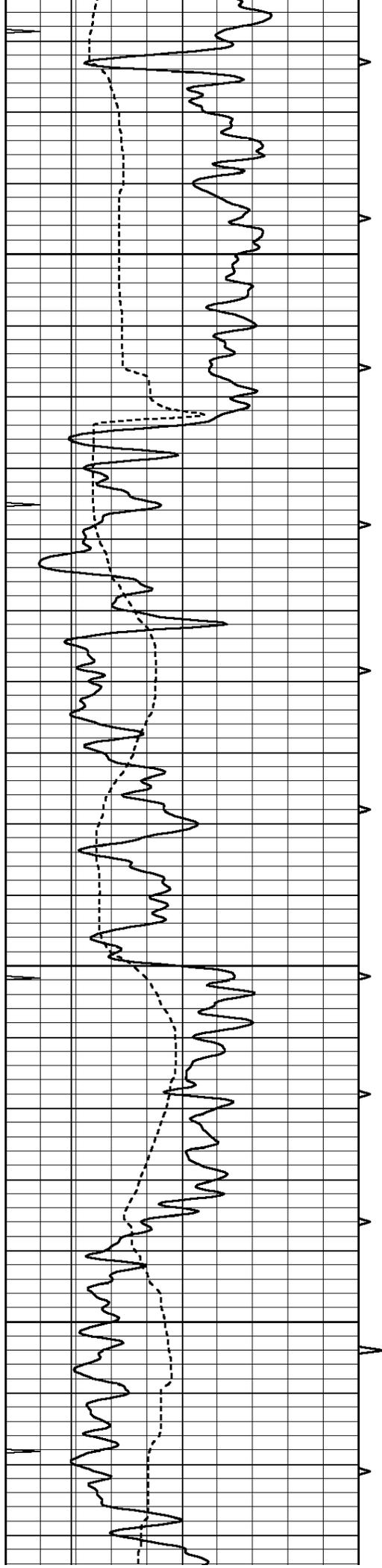
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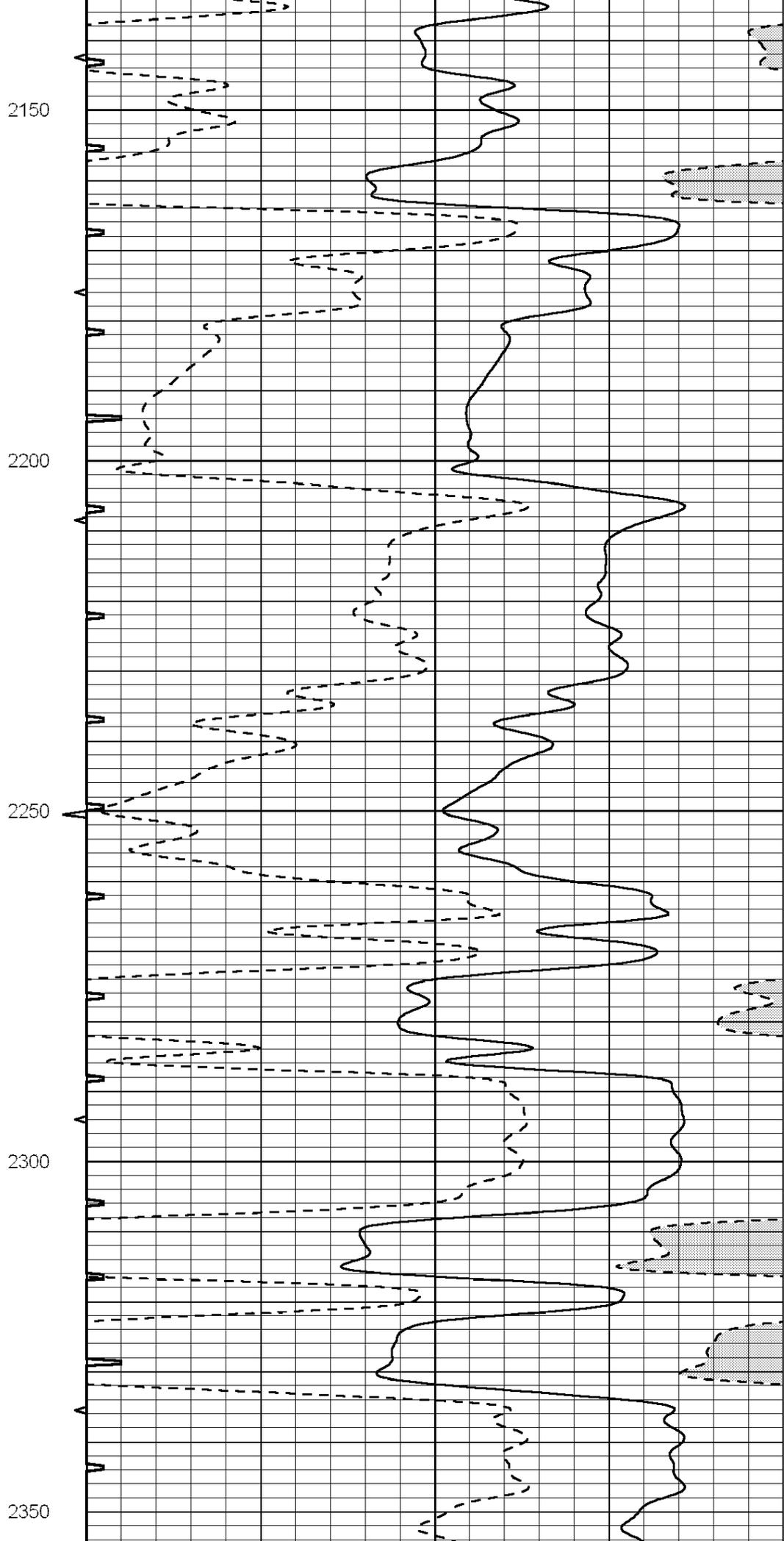
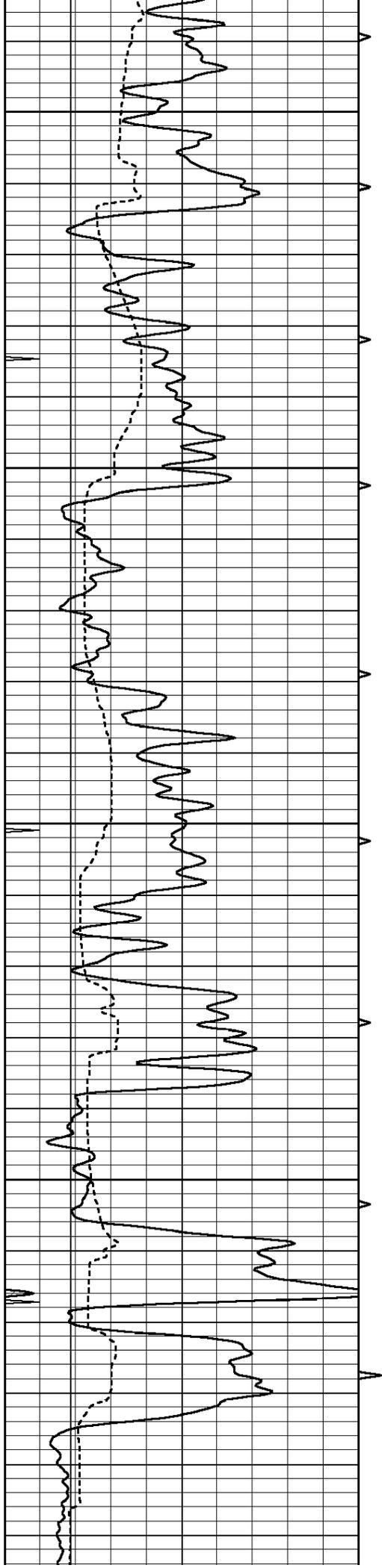
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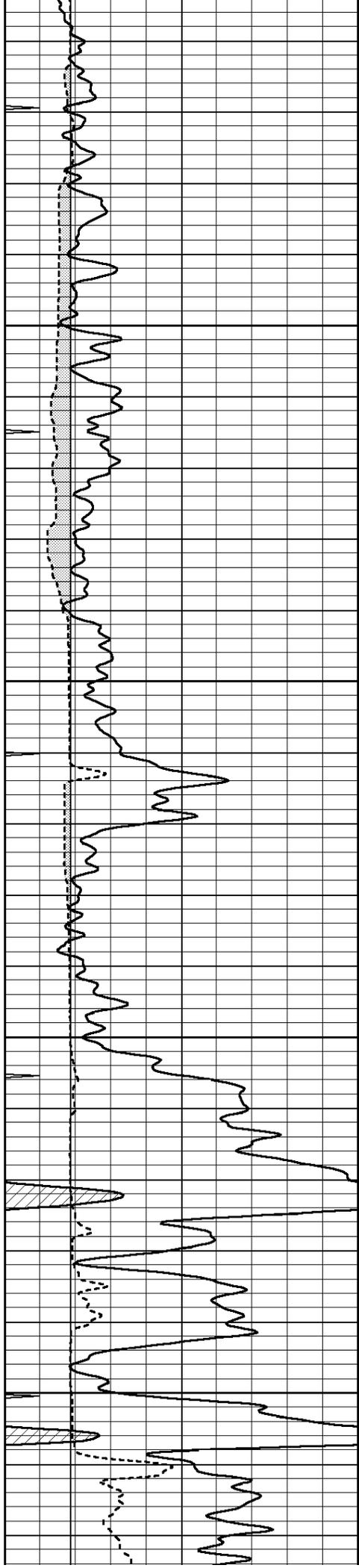
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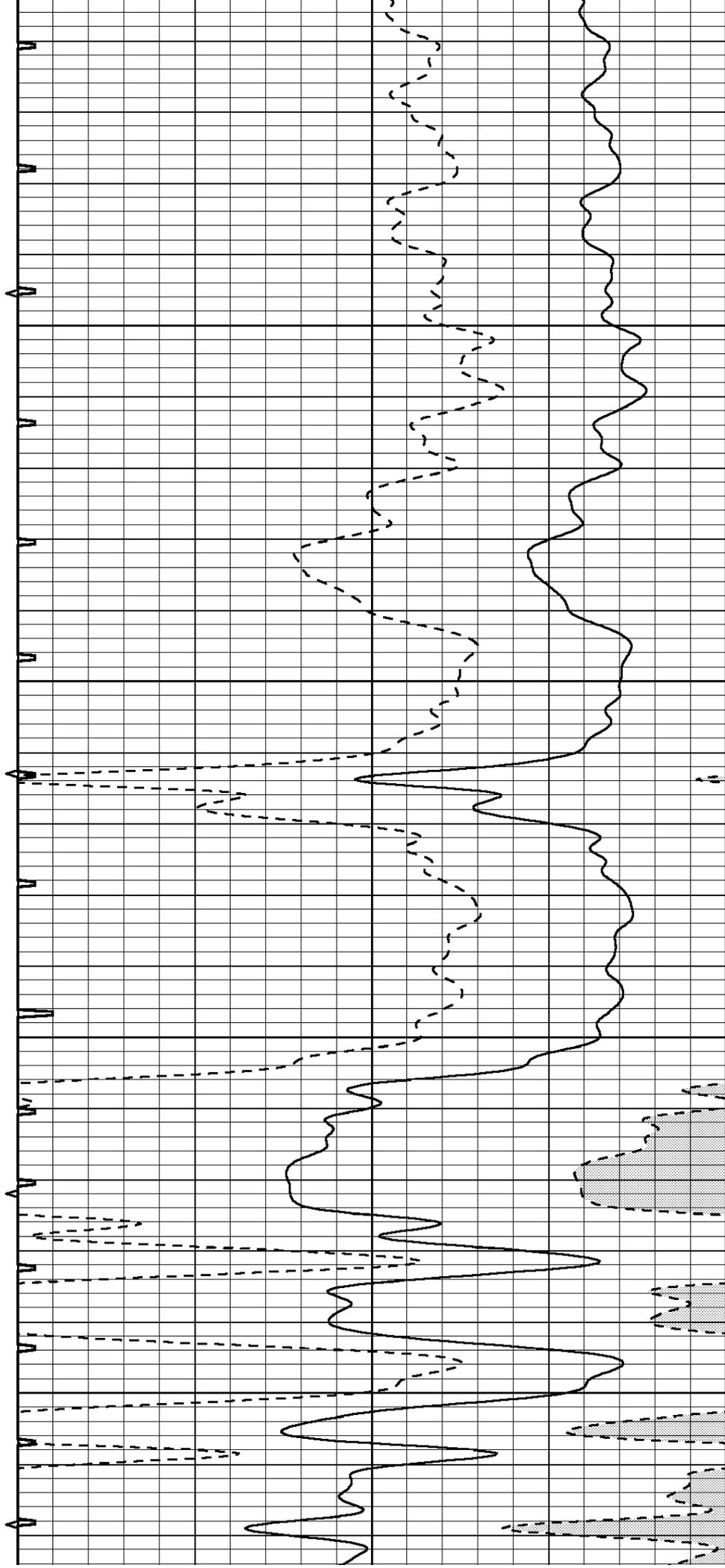


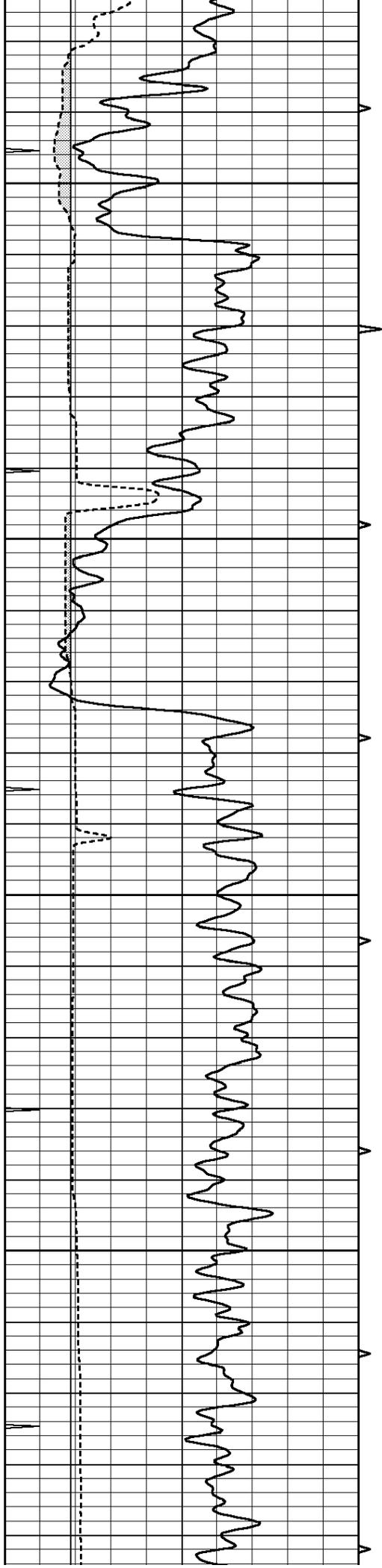
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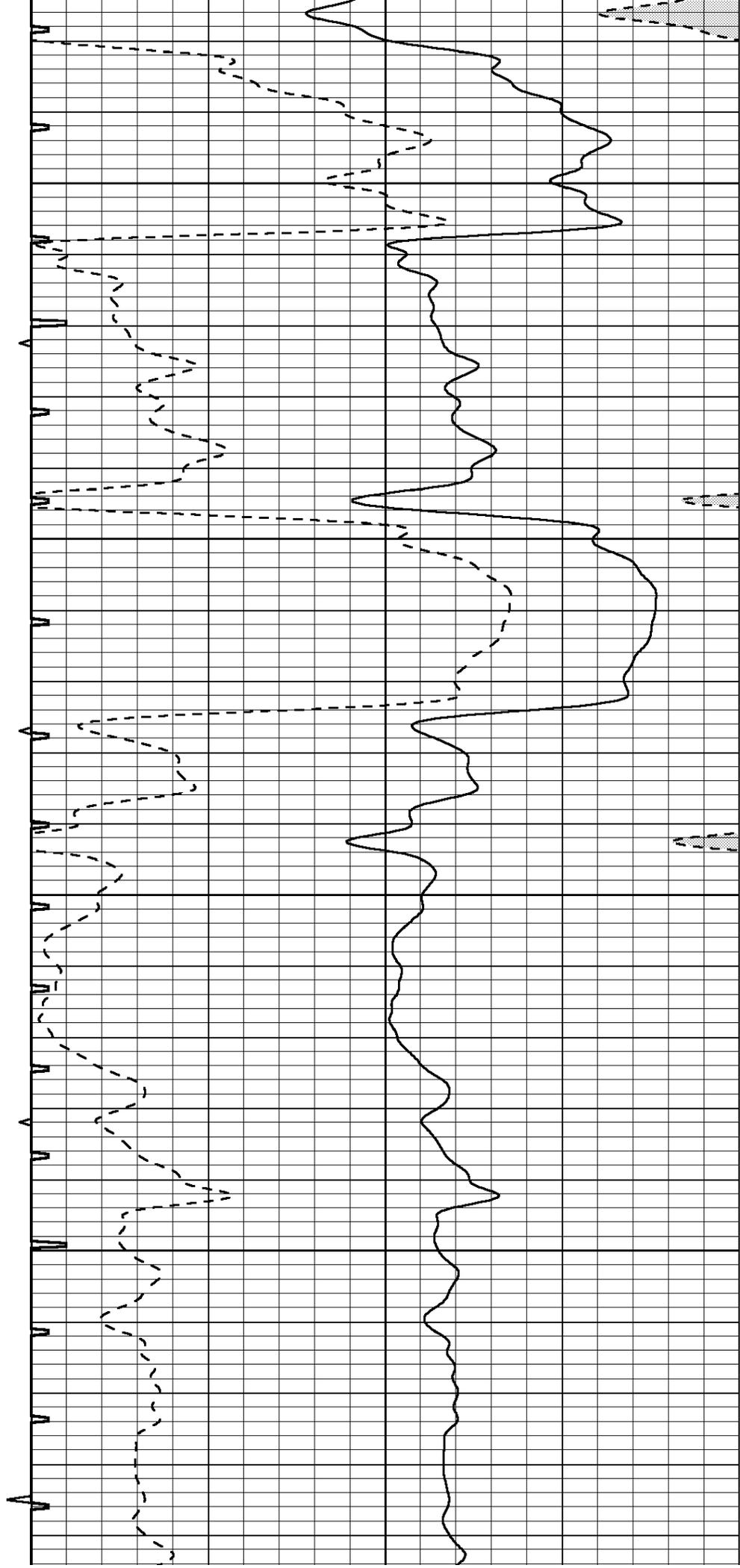


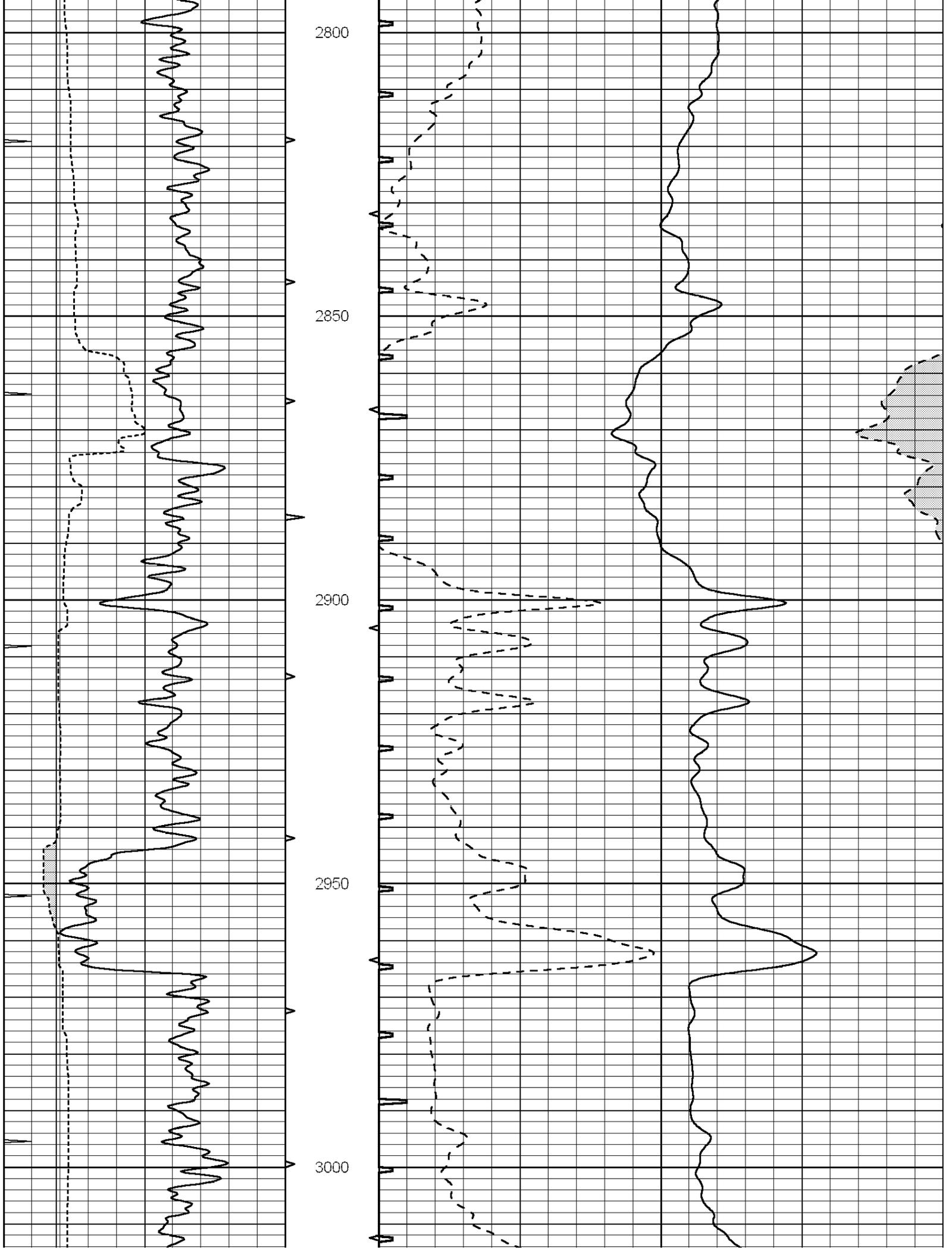
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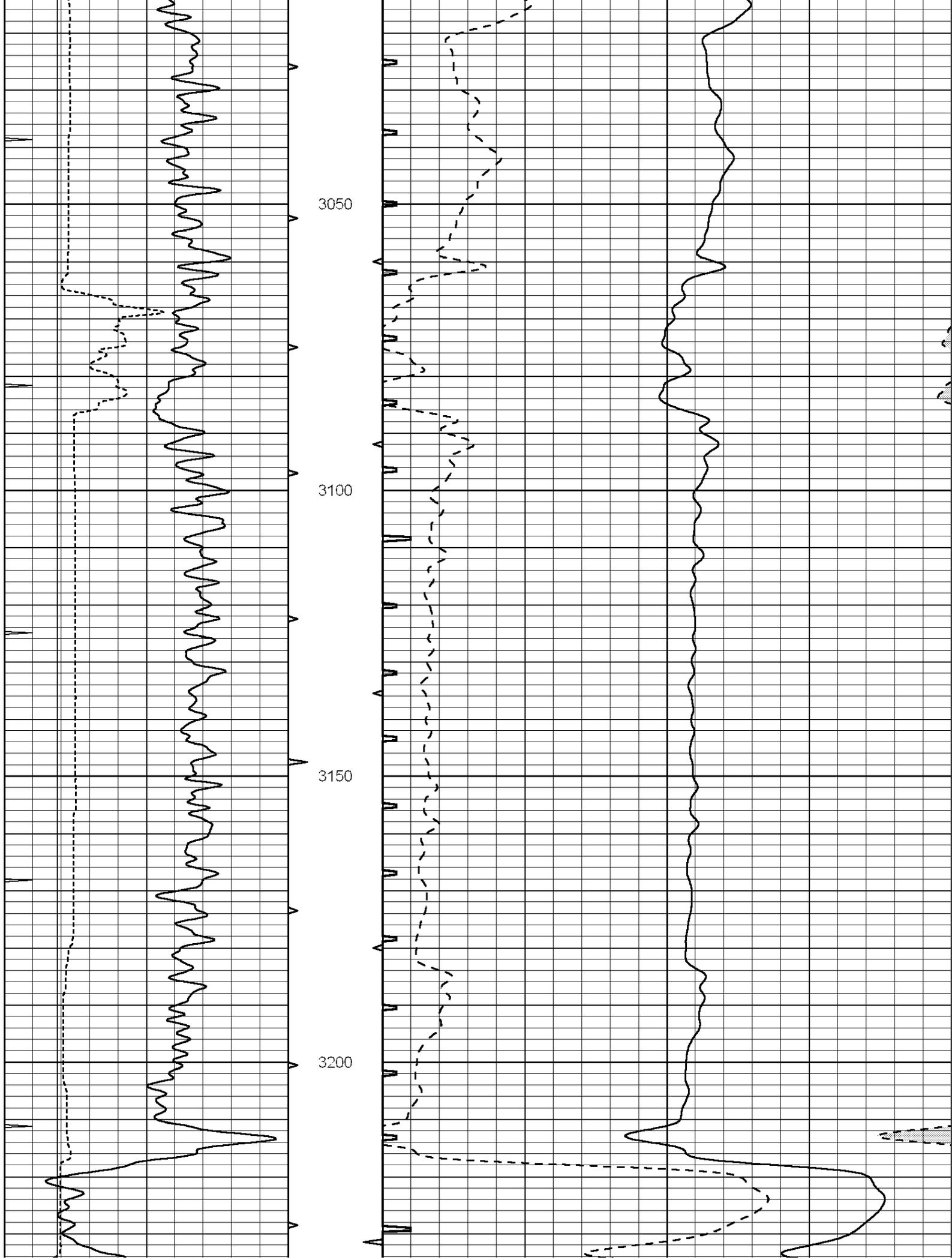
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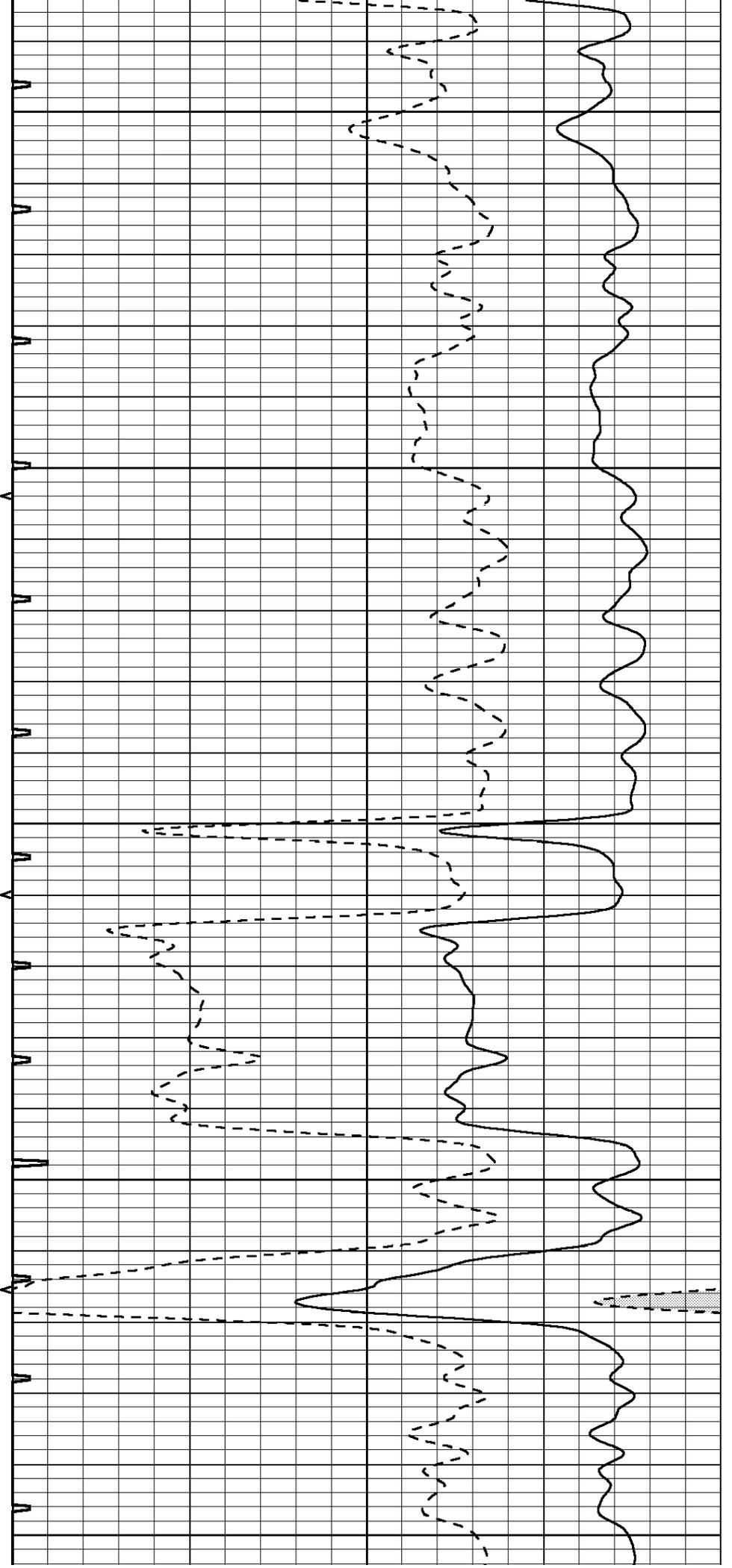
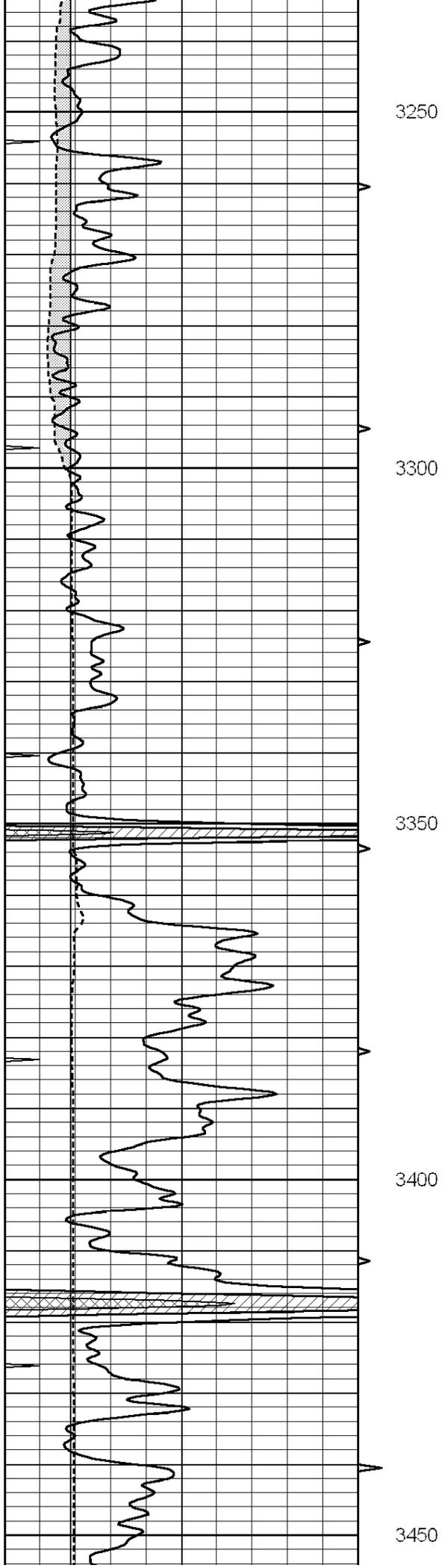
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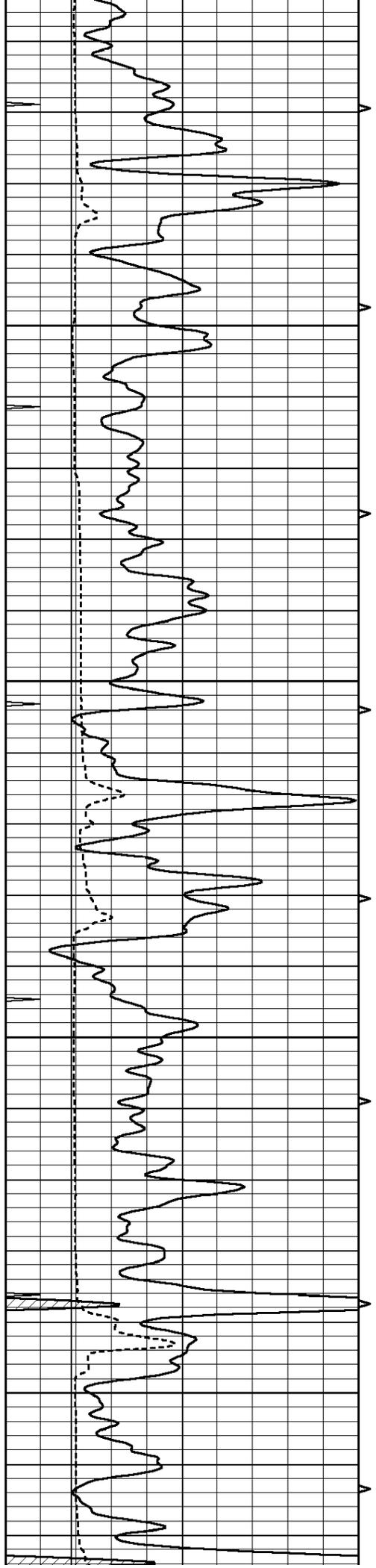
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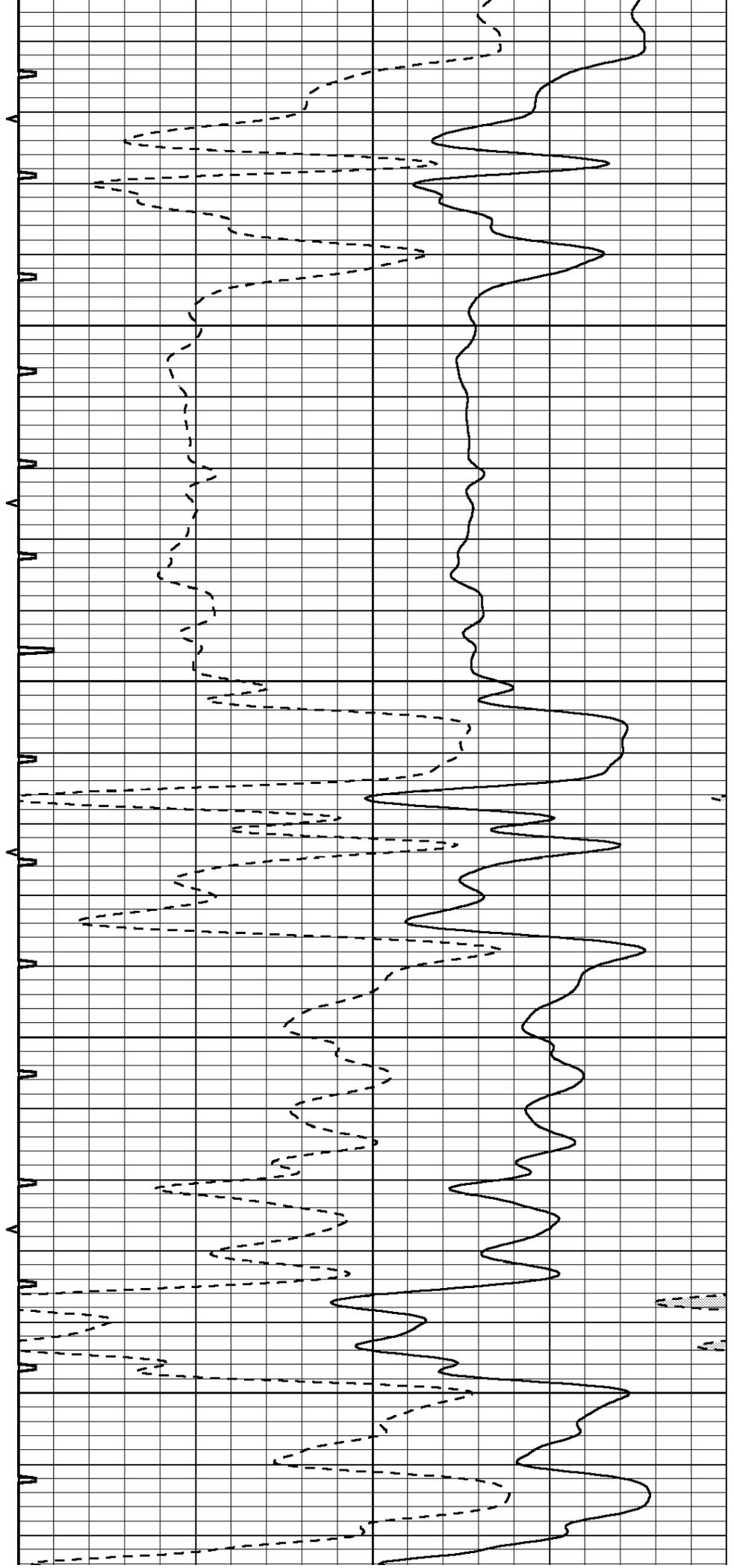


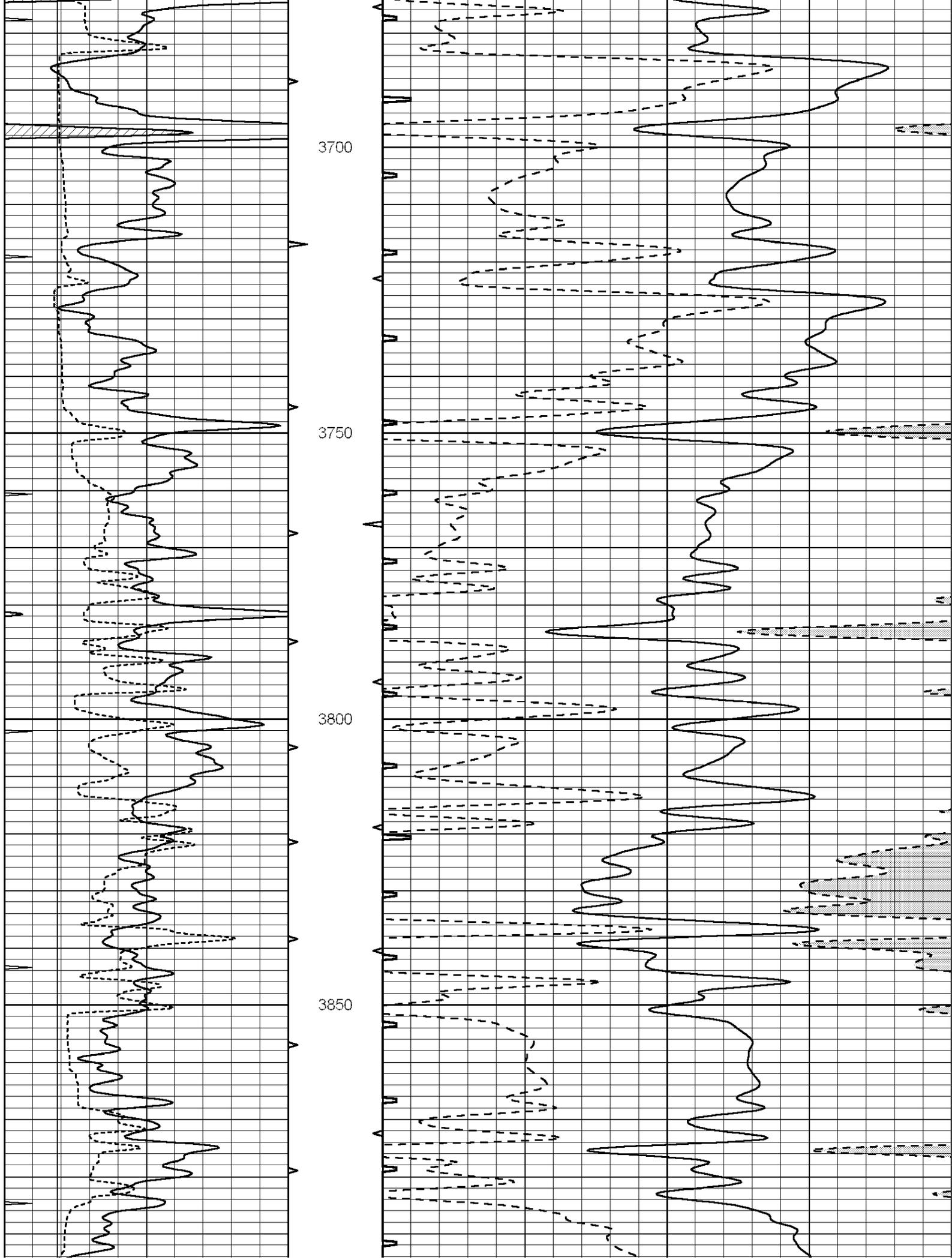
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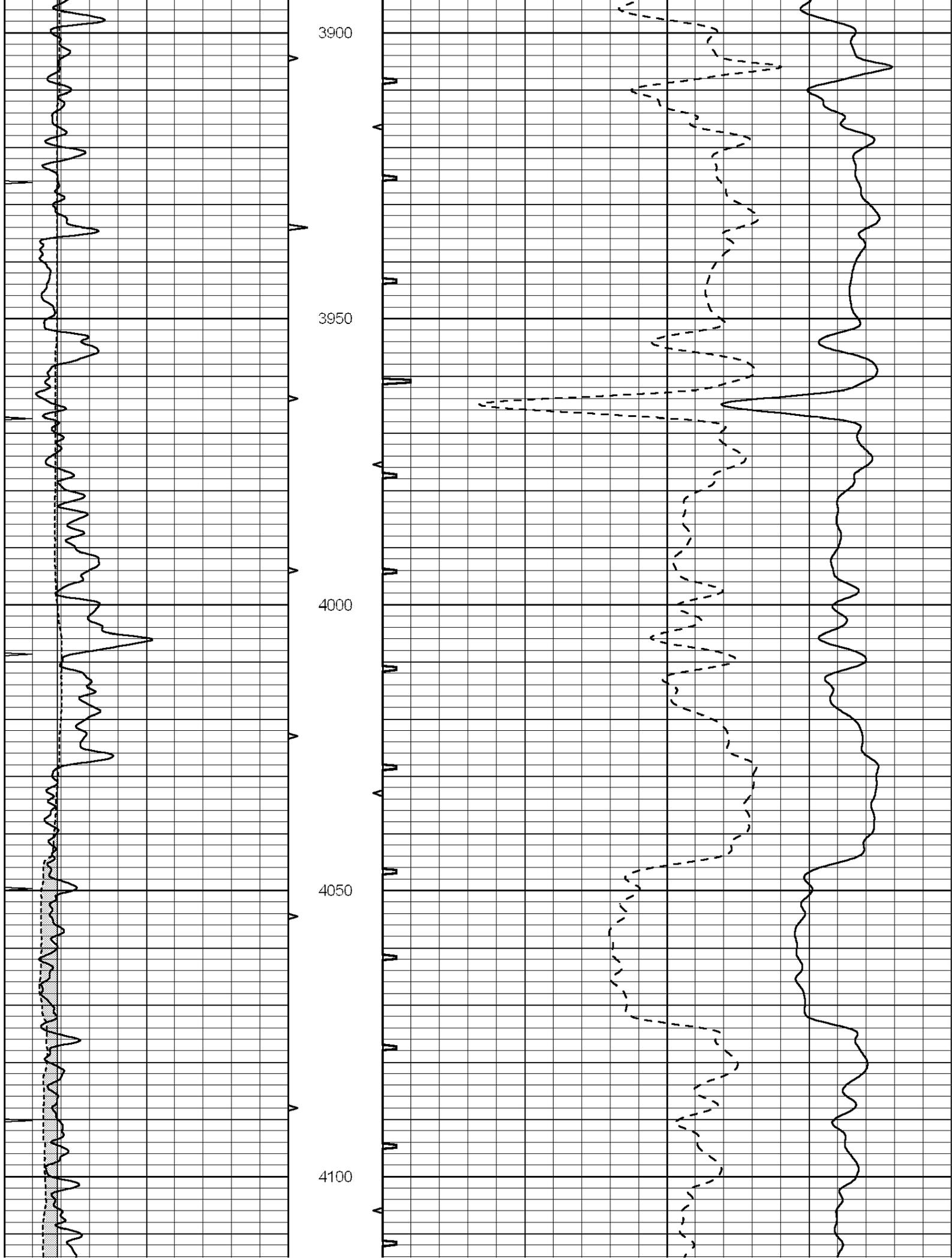
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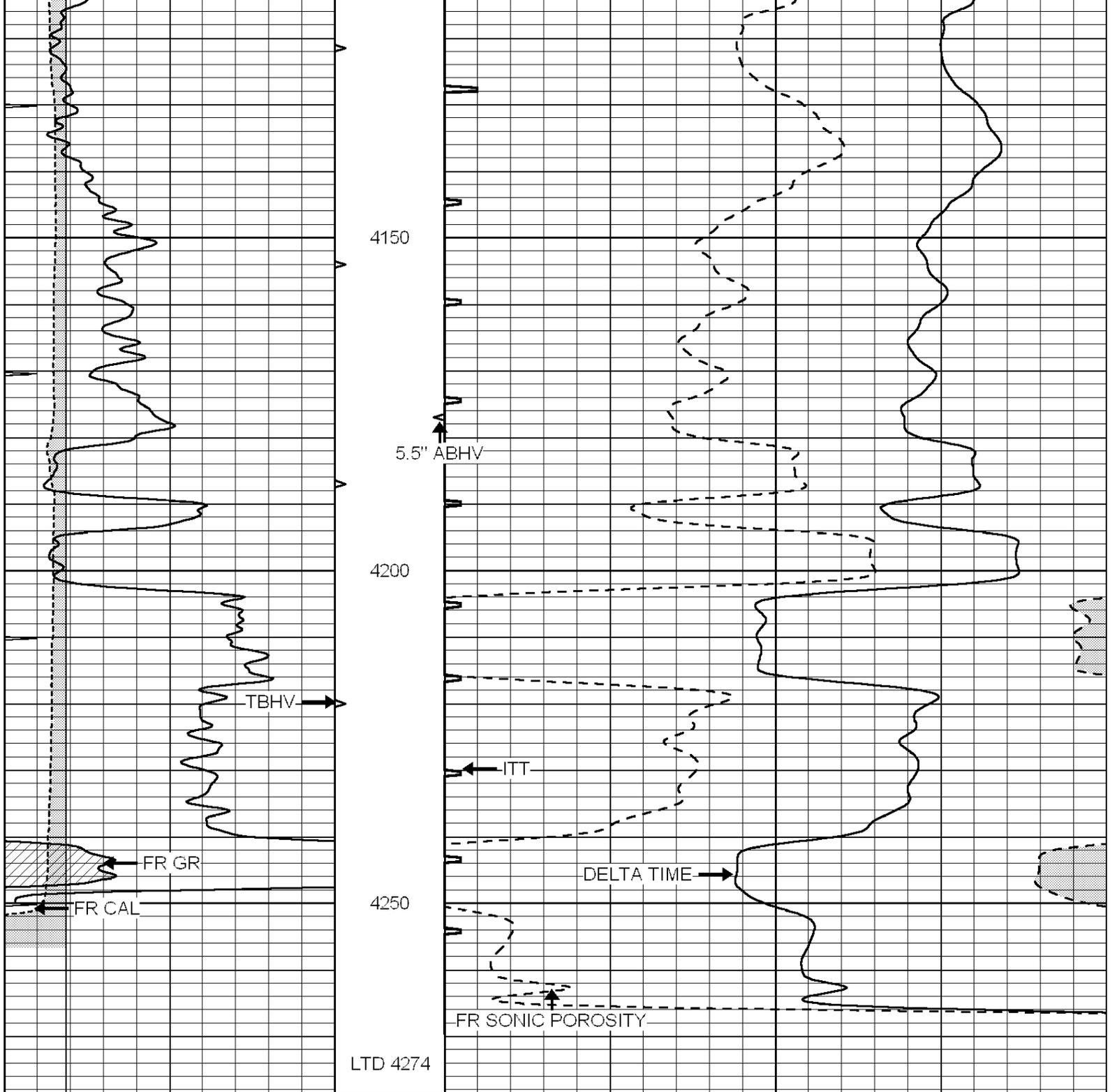
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0	MINMK	10	TBHV	0	ITT (msec)	20
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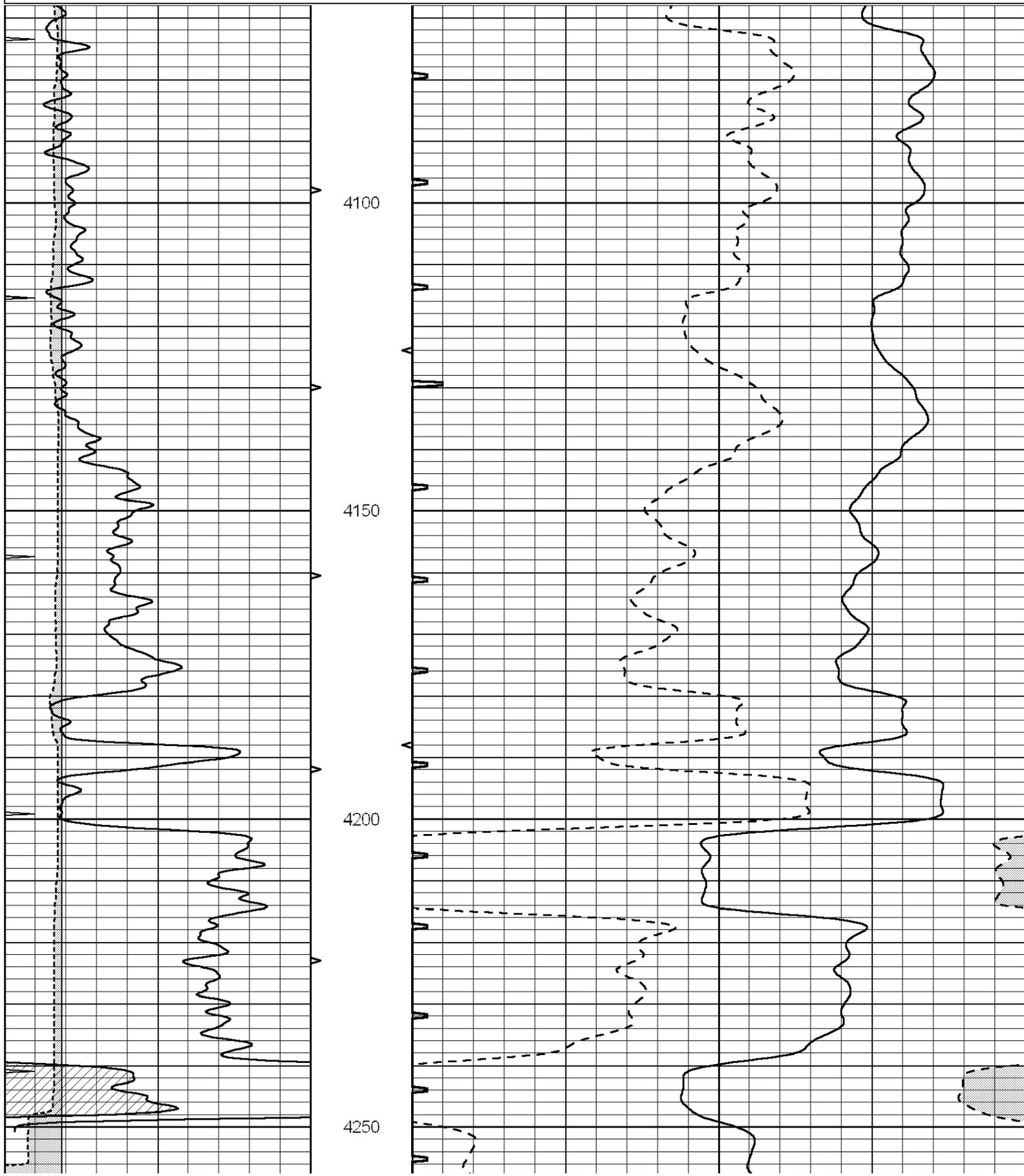


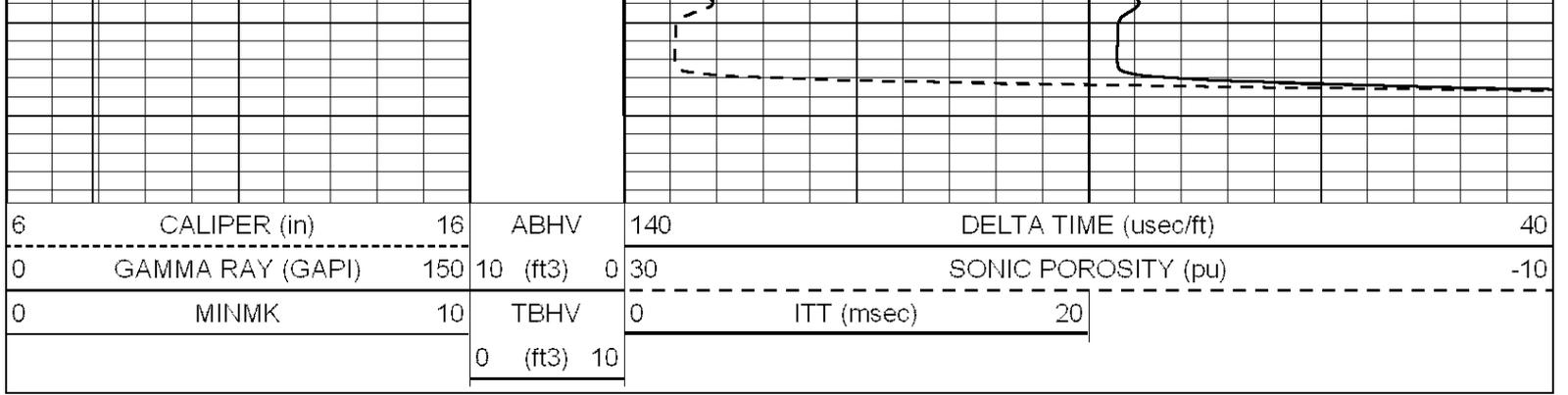
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REPEAT SECTION

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





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