



**COMPLETION  
& PRODUCTION  
SERVICES CO.**

**SONIC  
LOG**

Company SHELBY RESOURCES, LLC.  
Well COLLENE UNIT #1-21  
Field WILDCAT  
County BARTON  
State KANSAS

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Well COLLENE UNIT #1-21  
Field WILDCAT  
County BARTON State KANSAS

Location: API # : 15-009-26061-0000  
1717' FSL & 140' FEL  
SEC 21 TWP 18S RGE 14W  
Permanent Datum GROUND LEVEL Elevation 1911  
Log Measured From KELLY BUSHING 13' A.G.L.  
Drilling Measured From KELLY BUSHING  
Other Services  
CDL/CNL  
DIL/MEL  
Elevation  
K.B. 1924  
D.F. 1922  
G.L. 1911

Date	11/27/14
Run Number	TWO
Depth Driller	3565
Depth Logger	3562
Bottom Logged Interval	3554
Top Log Interval	800
Casing Driller	8 5/8"@890'
Casing Logger	890
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.2/57
pH / Fluid Loss	10.0/8.8
Source of Sample	FLOWLINE
Rim @ Meas. Temp	.900@80F
Rmf @ Meas. Temp	.675@80F
Rmc @ Meas. Temp	1.08@80F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	.643@112F
Time Circulation Stopped	3.5 HOURS
Time Logger on Bottom	3:15 A.M.
Maximum Recorded Temperature	112F
Equipment Number	4854
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	JEREMY SCHWARTZ

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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**

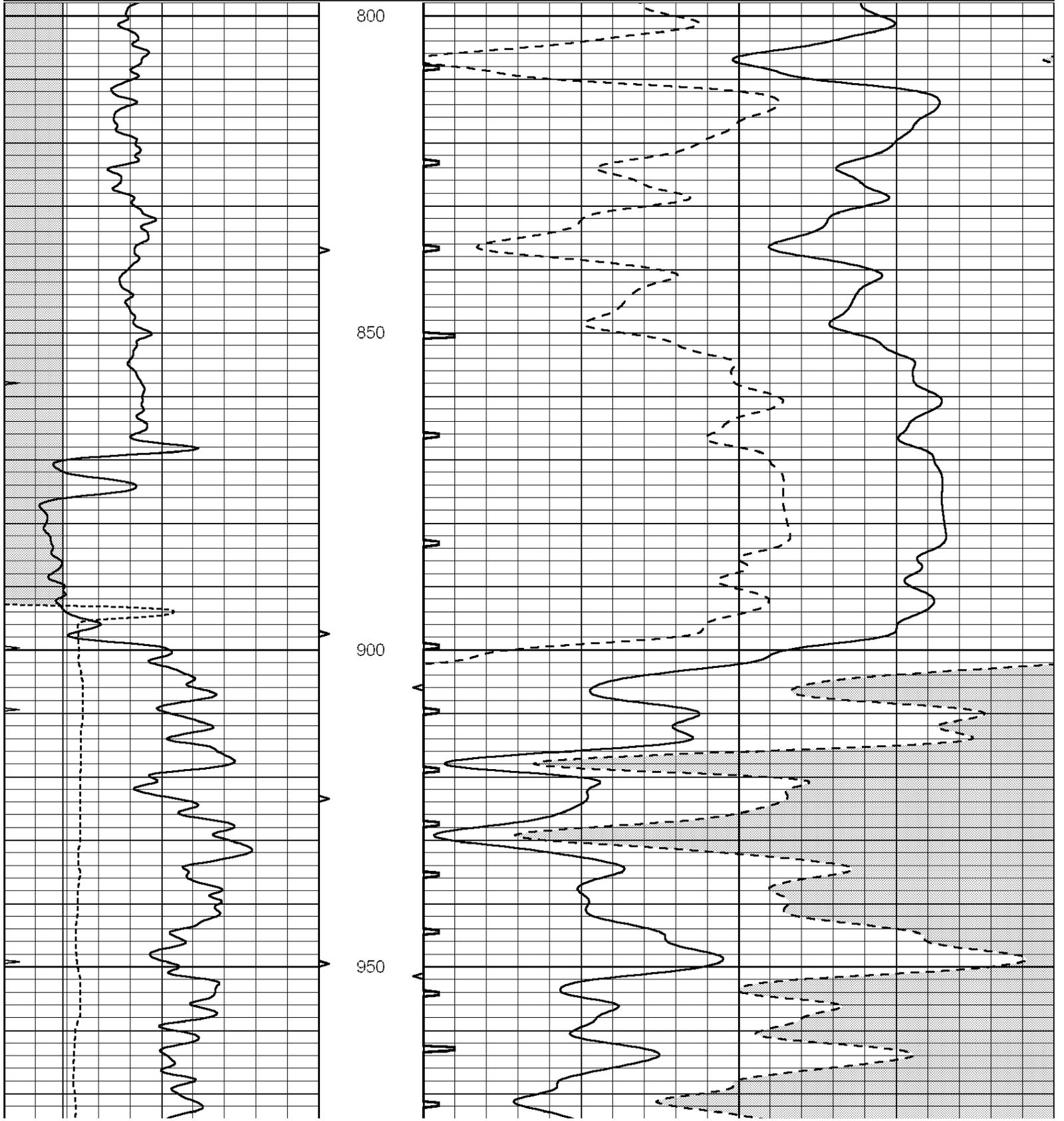
THANK YOU FOR USING "NABORS" HAYS, KANSAS (785) 628-6395  
DIRECTIONS  
W. OF HOISINGTON, KS.TO (HWY 4 & 281) 4S. ON "BOYD RD.", TO "RD. 80", 1W., 1S., W. INTO  
HAPPY THANKSGIVING

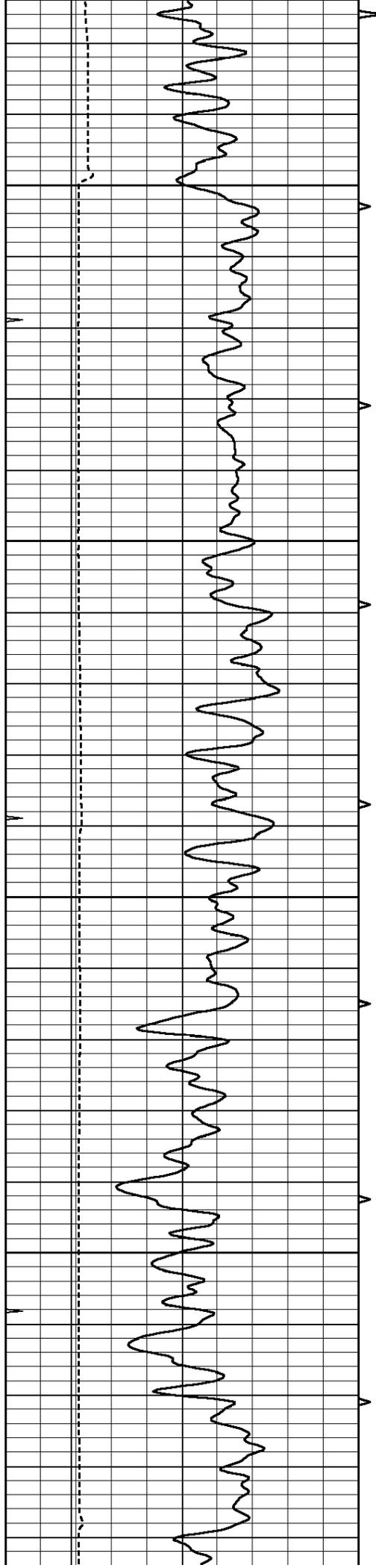


**MAIN SECTION**

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 Presentation Format: slt  
 Dataset Creation: Thu Nov 27 06:58:57 2014 by Calc SOC 120430  
 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)
0	MINMK	20	TBHV	0	ITT (msec)	20
			0 (ft3)	10		



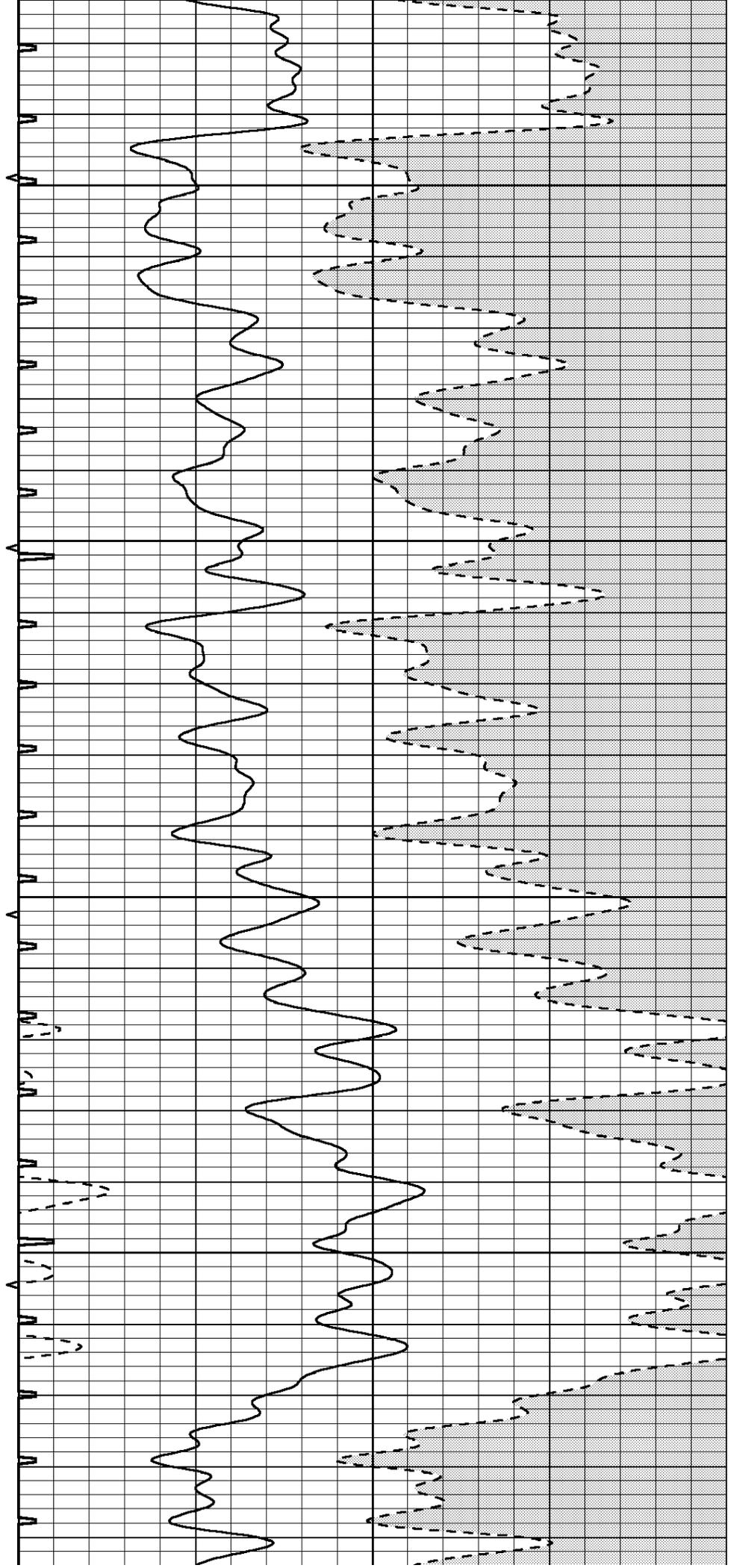


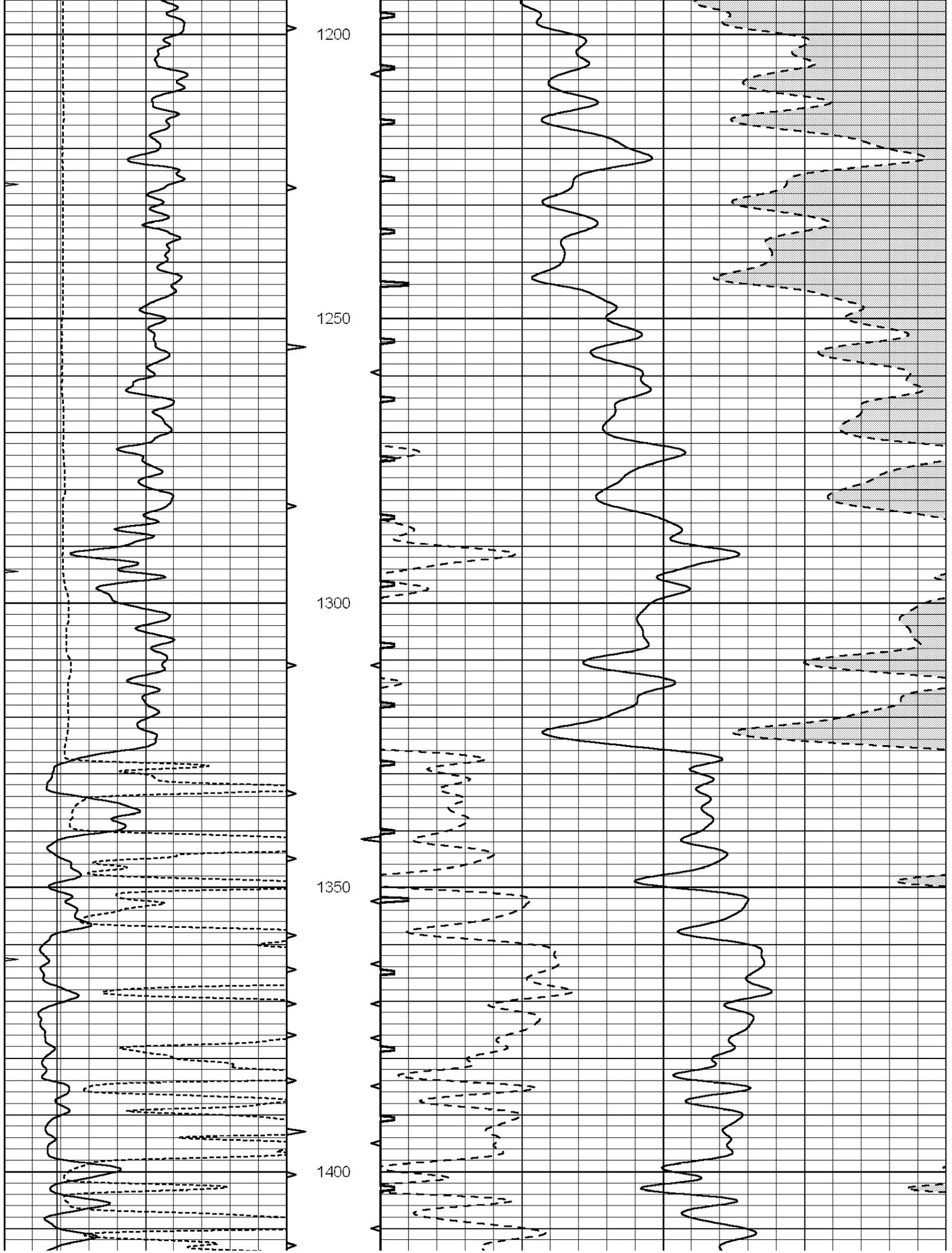
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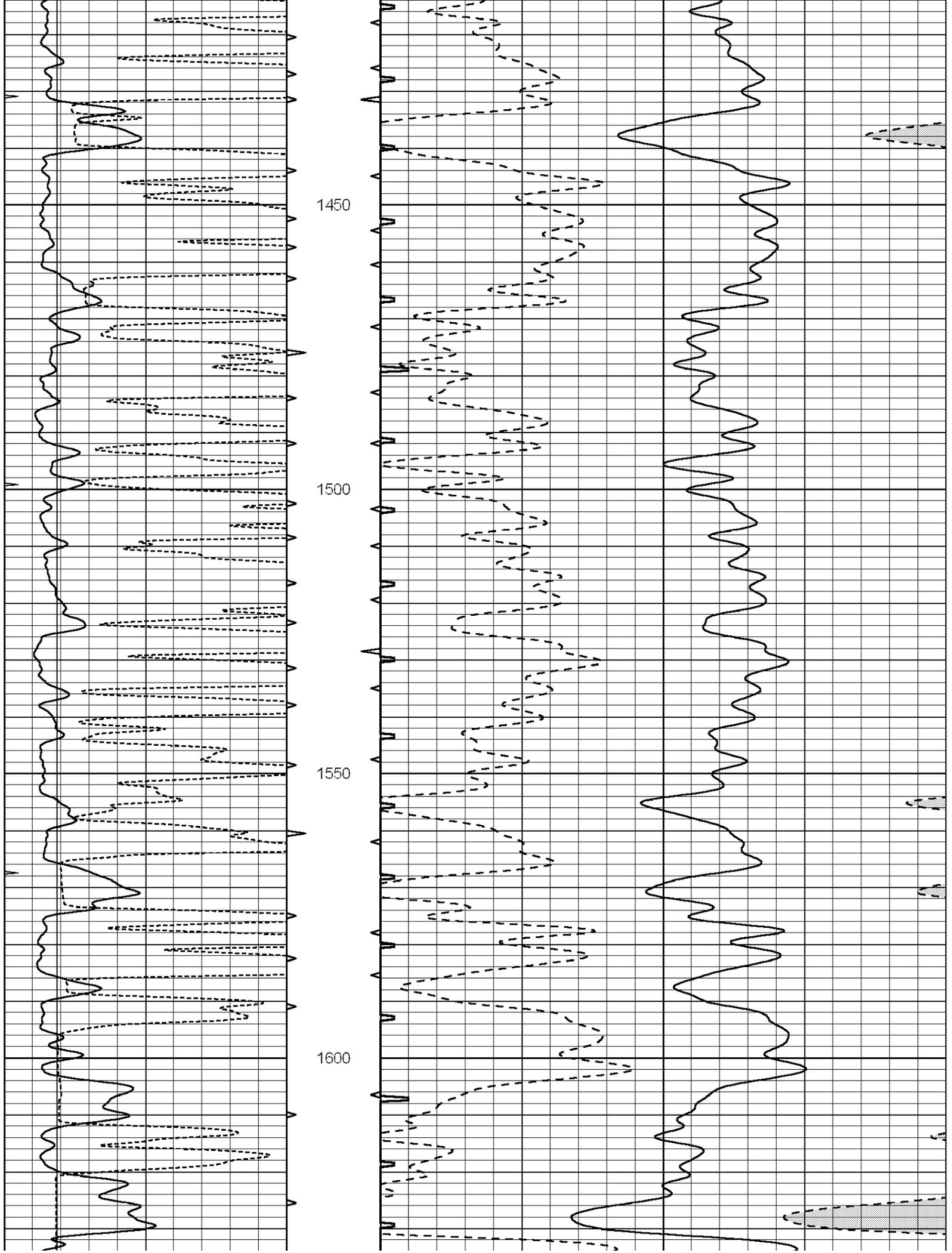
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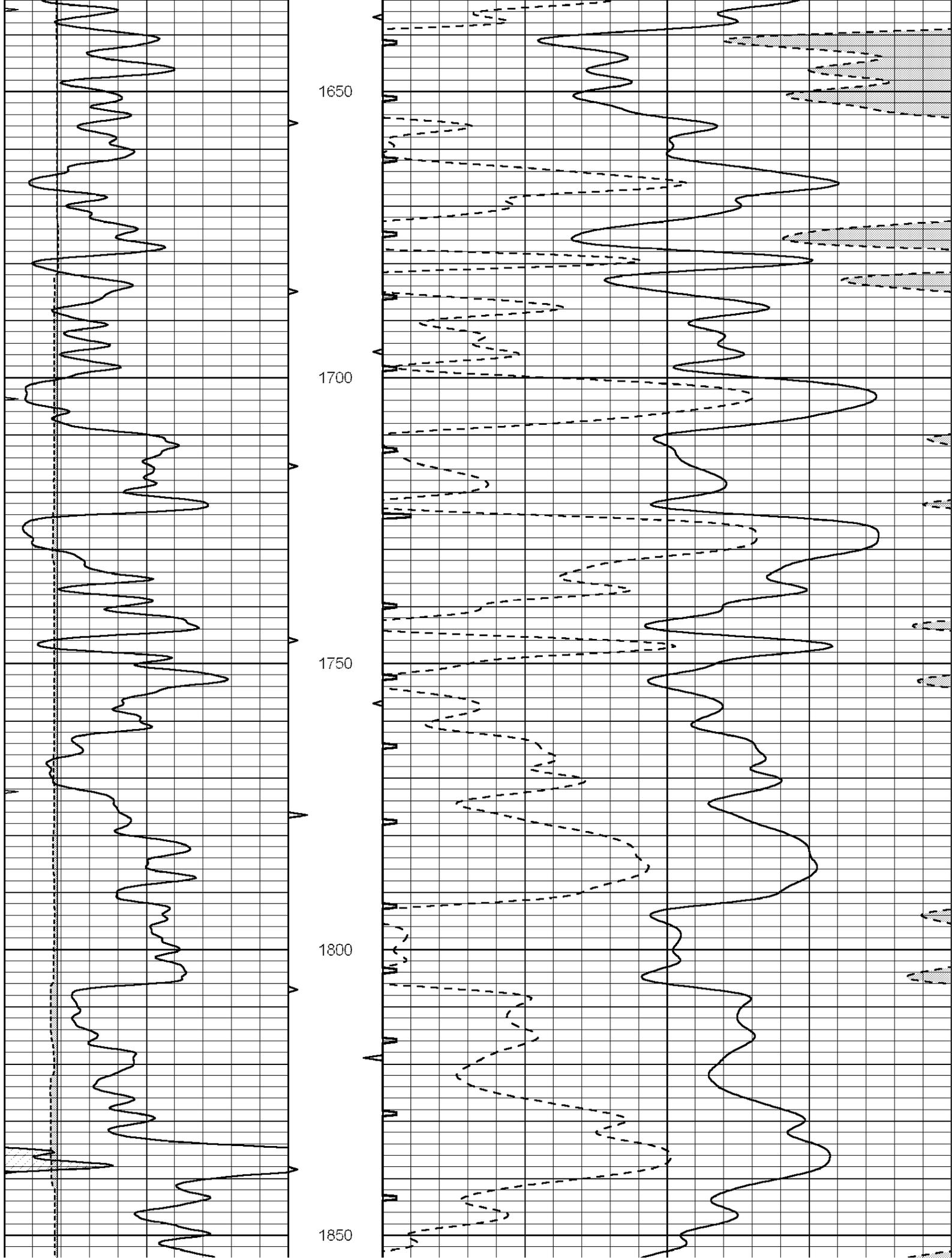
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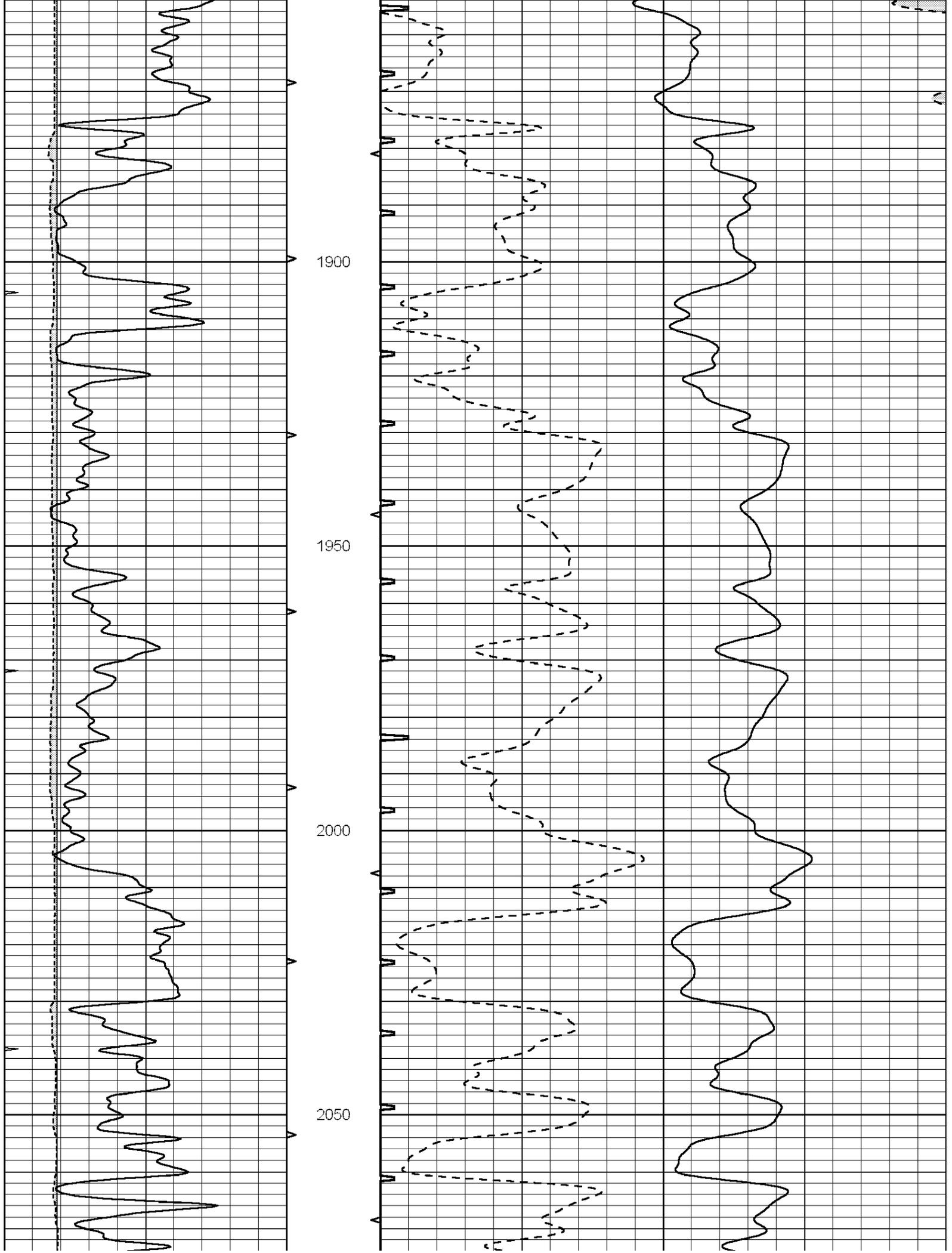
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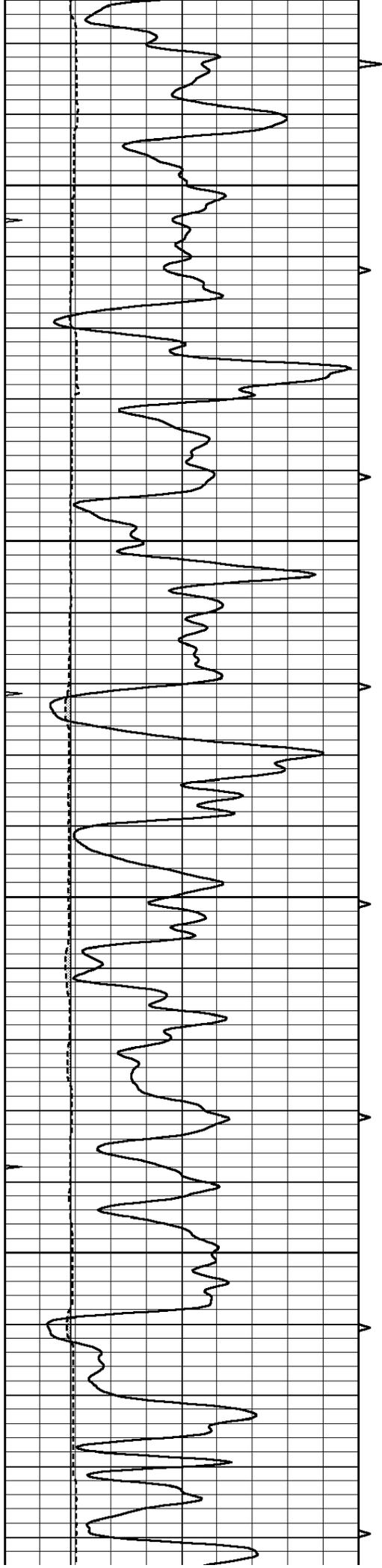










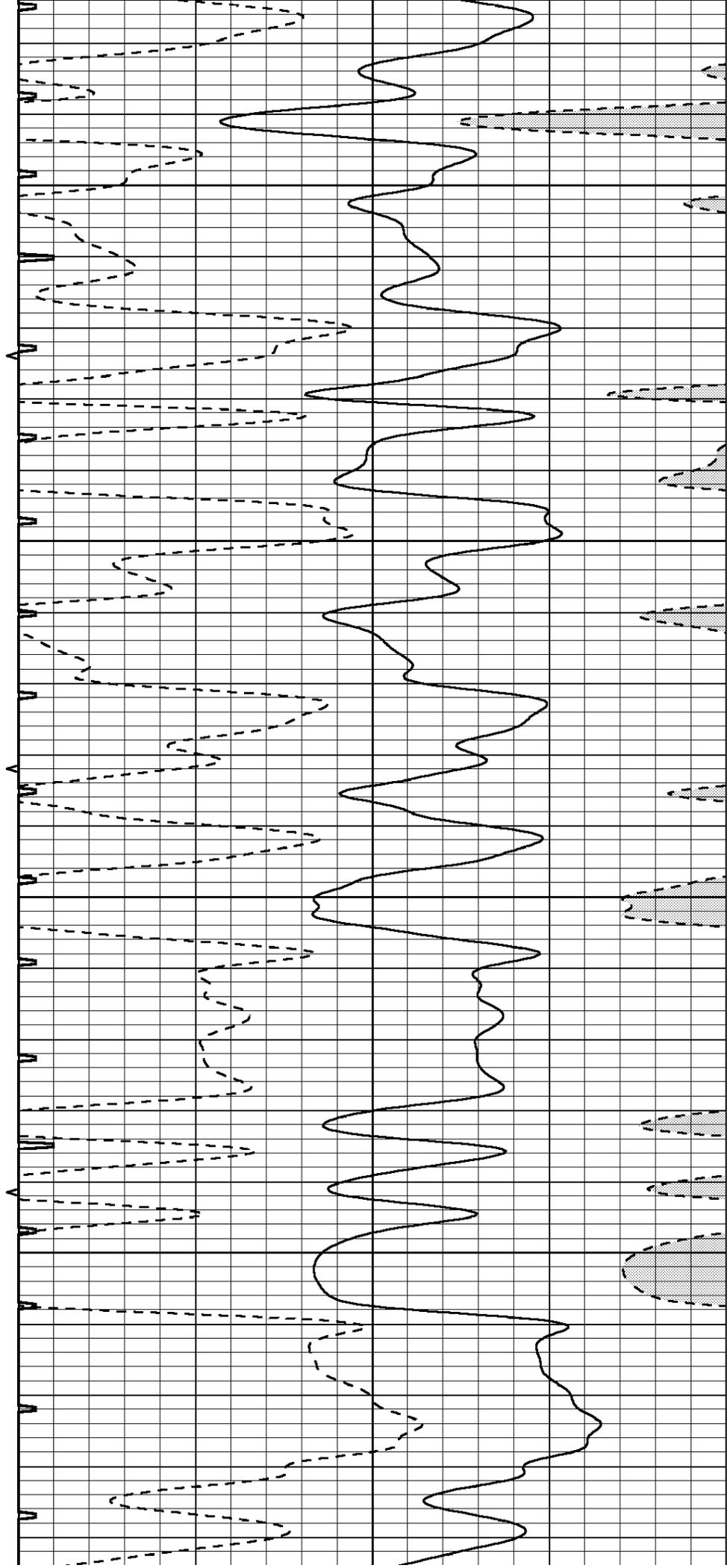


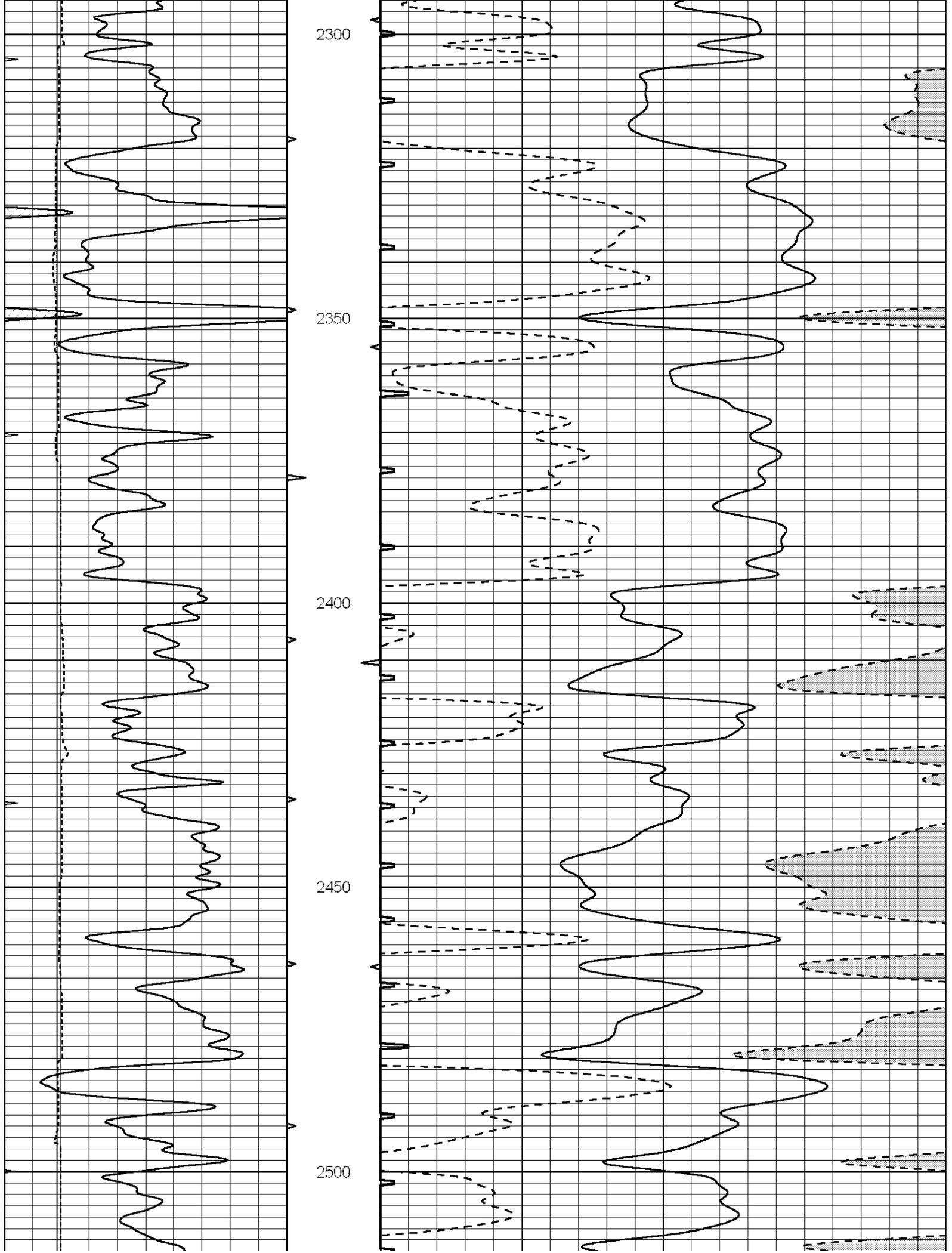
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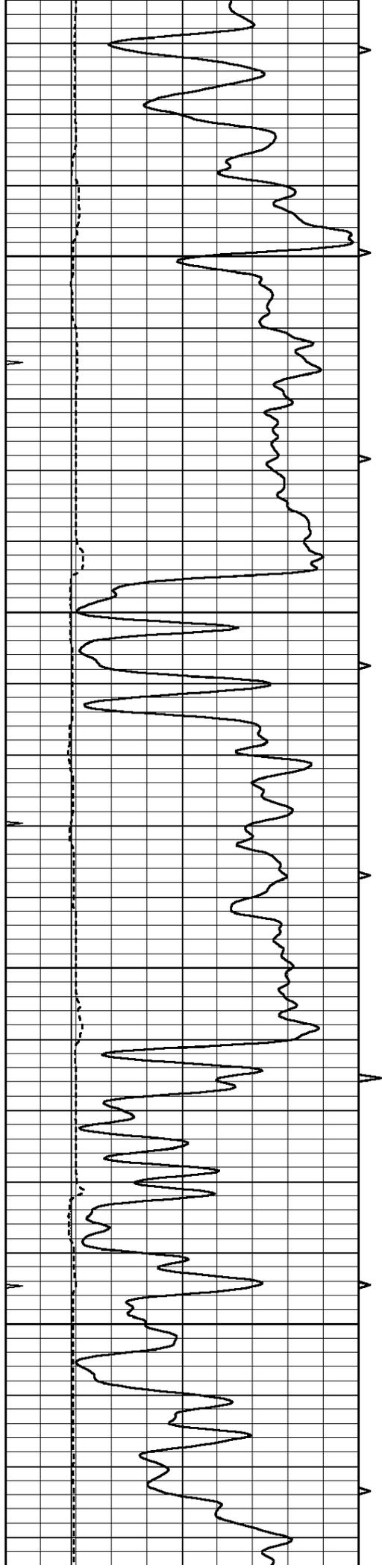
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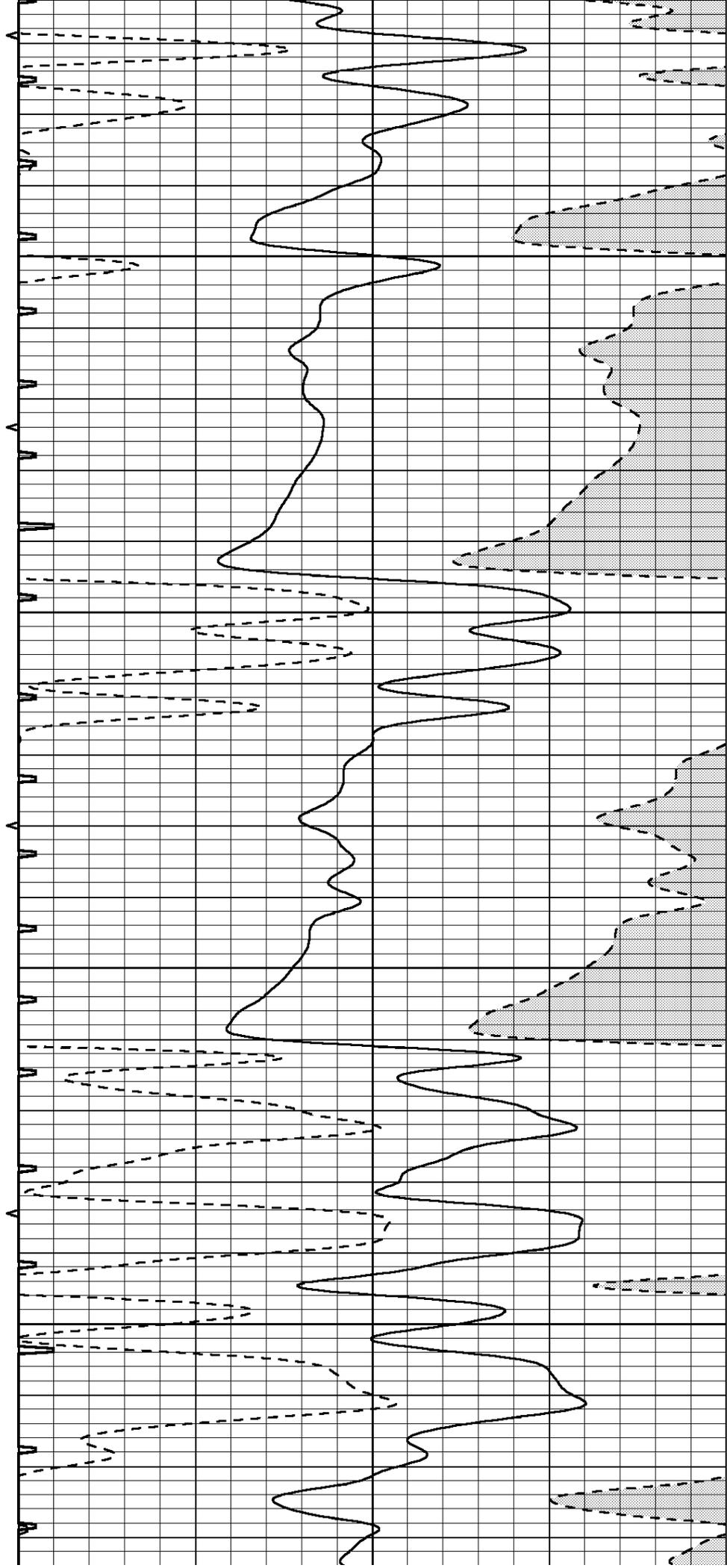


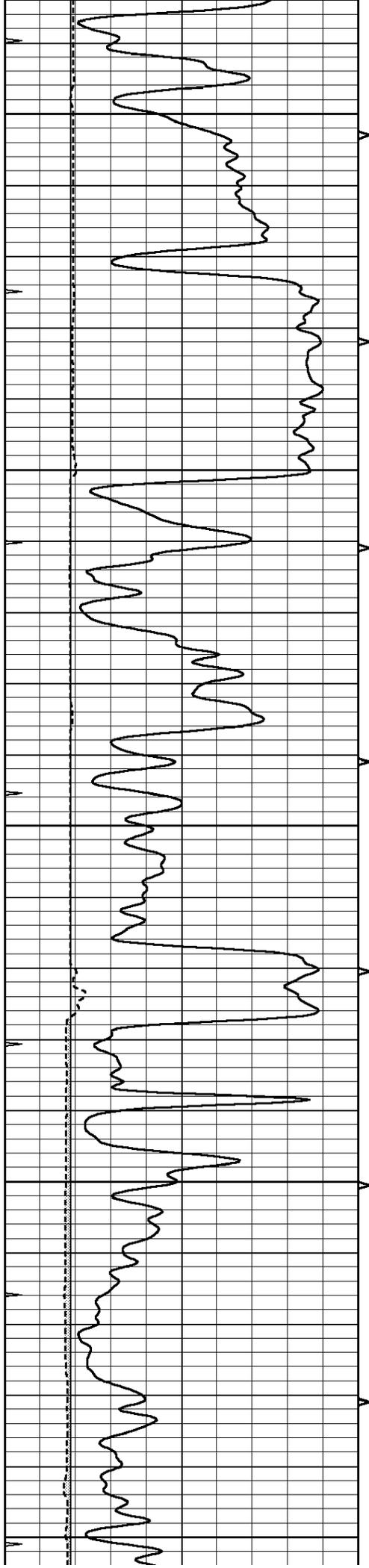
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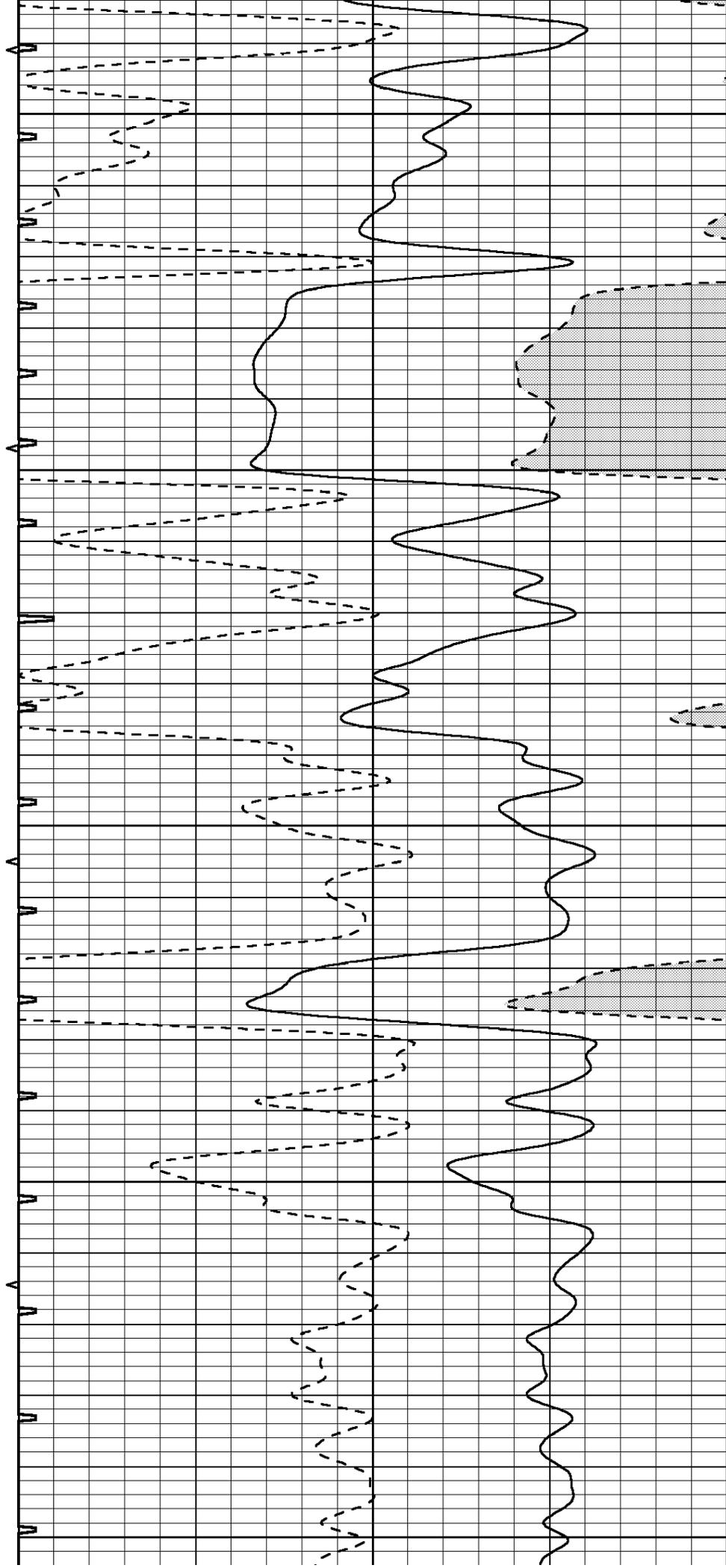
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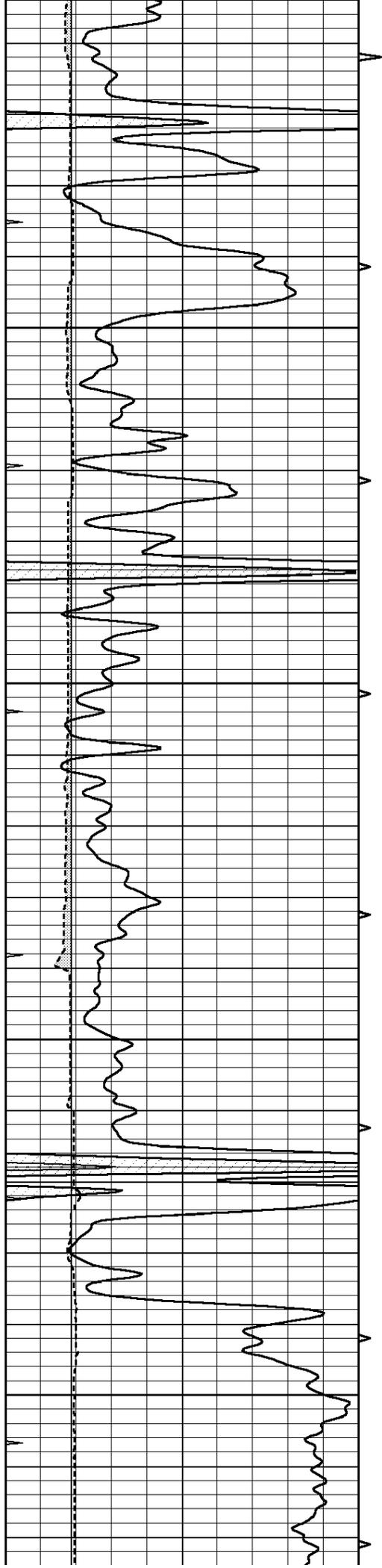
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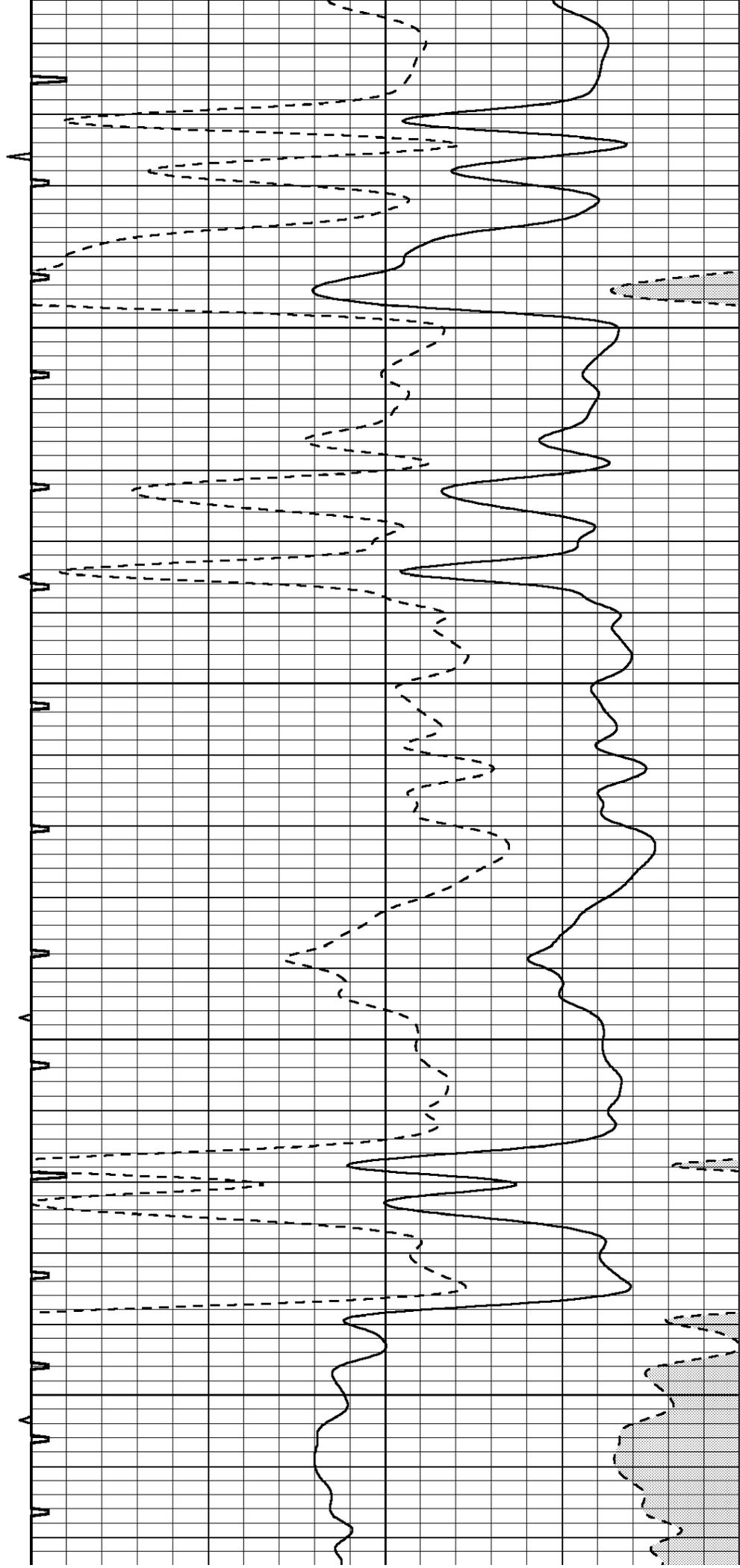


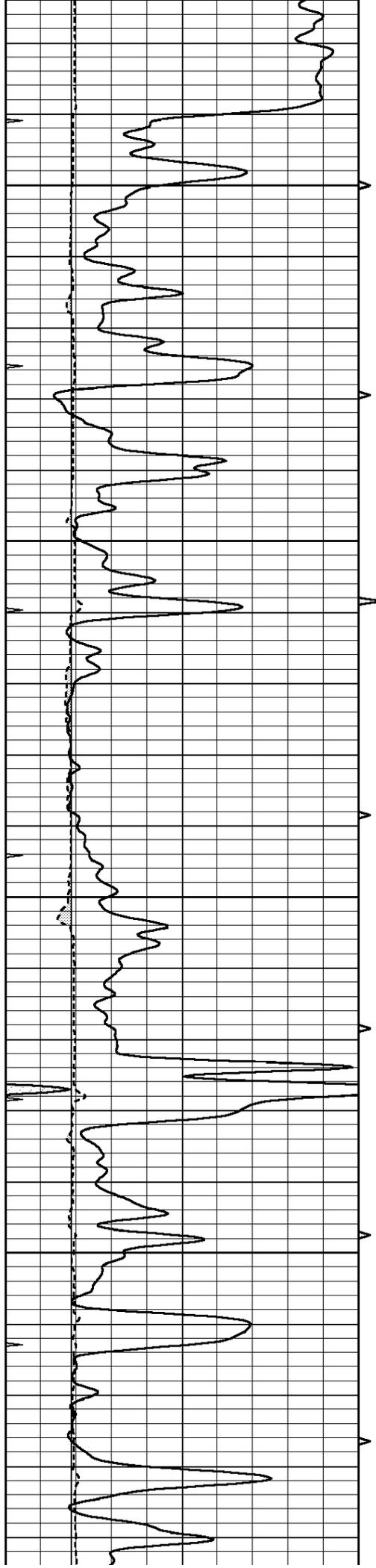
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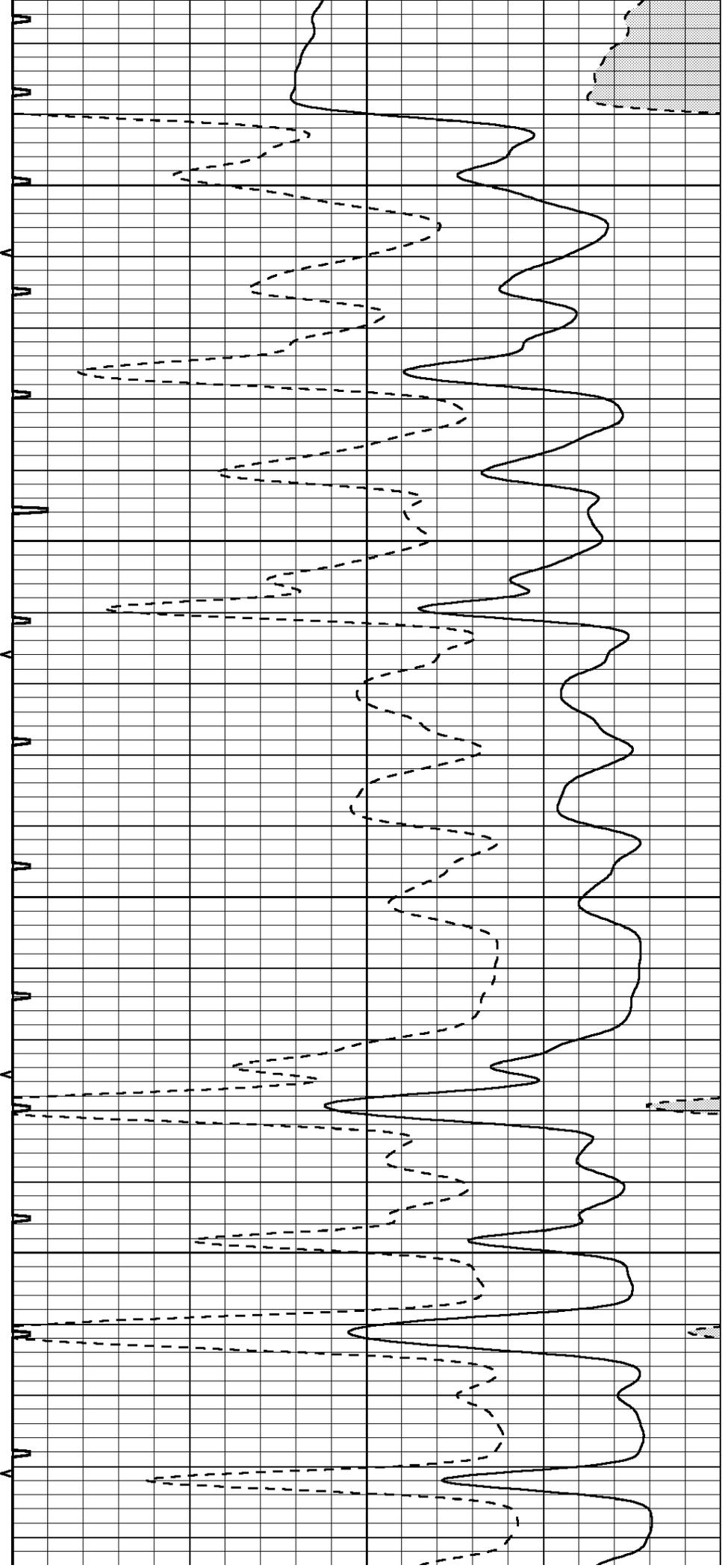


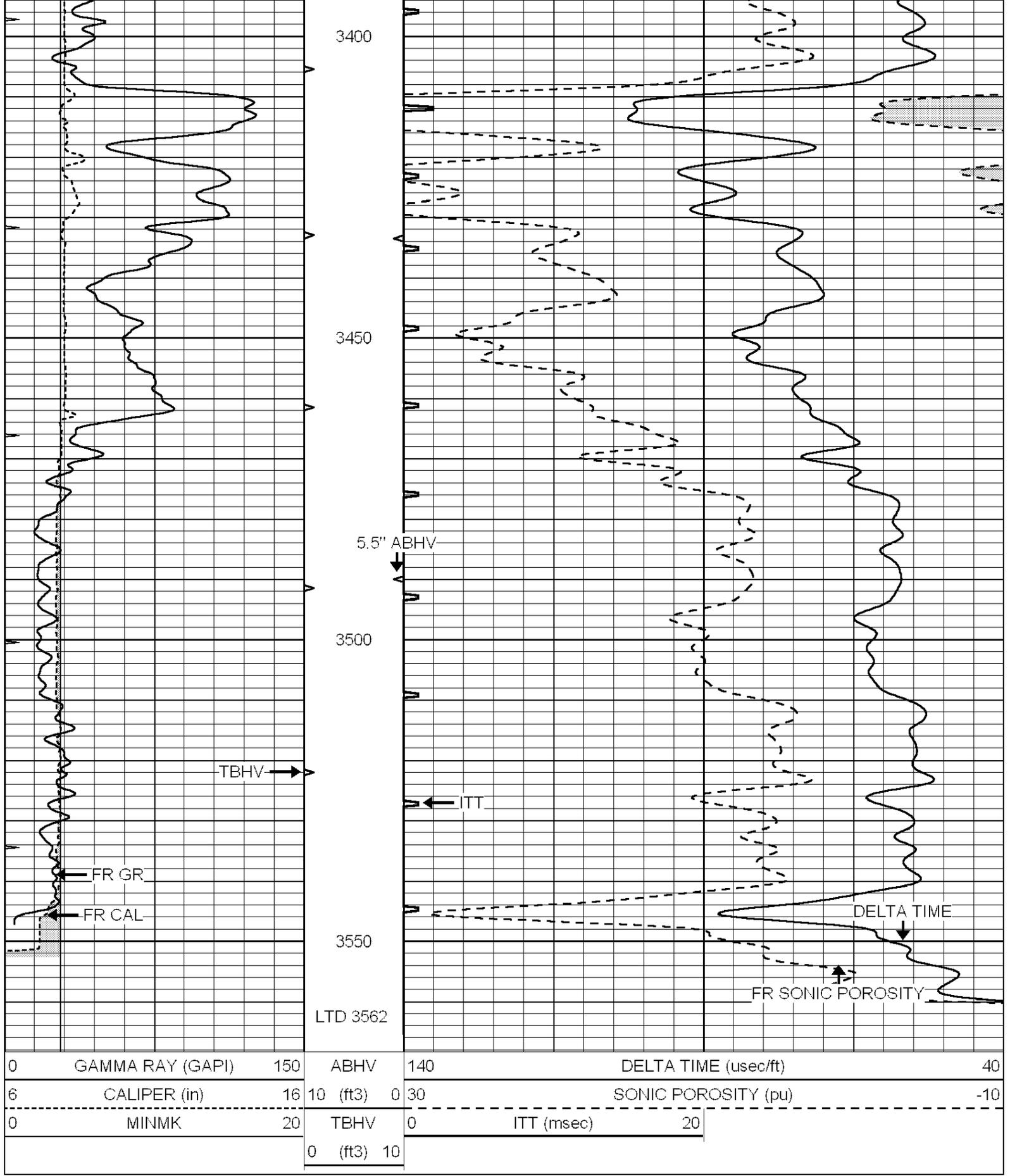
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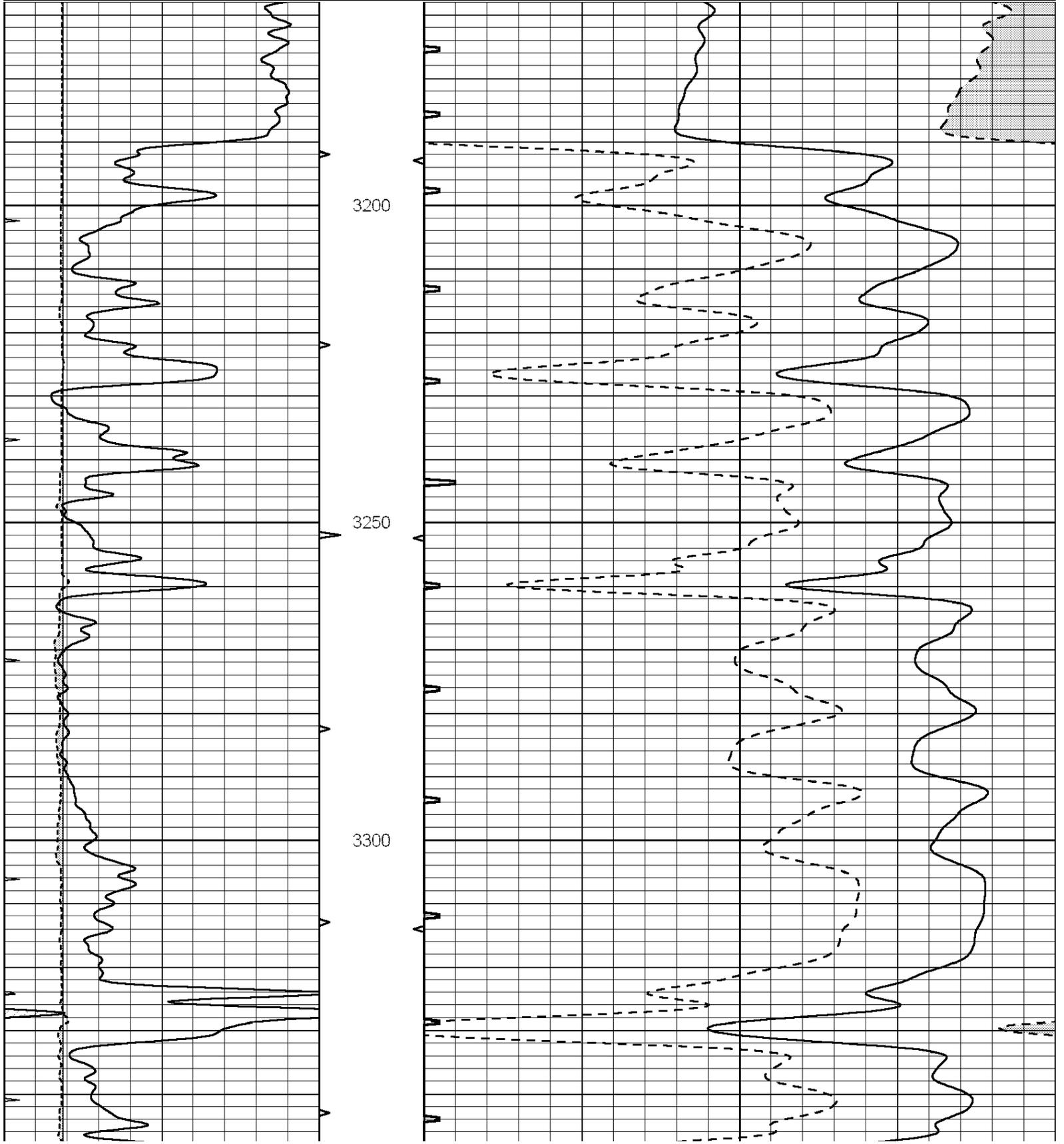
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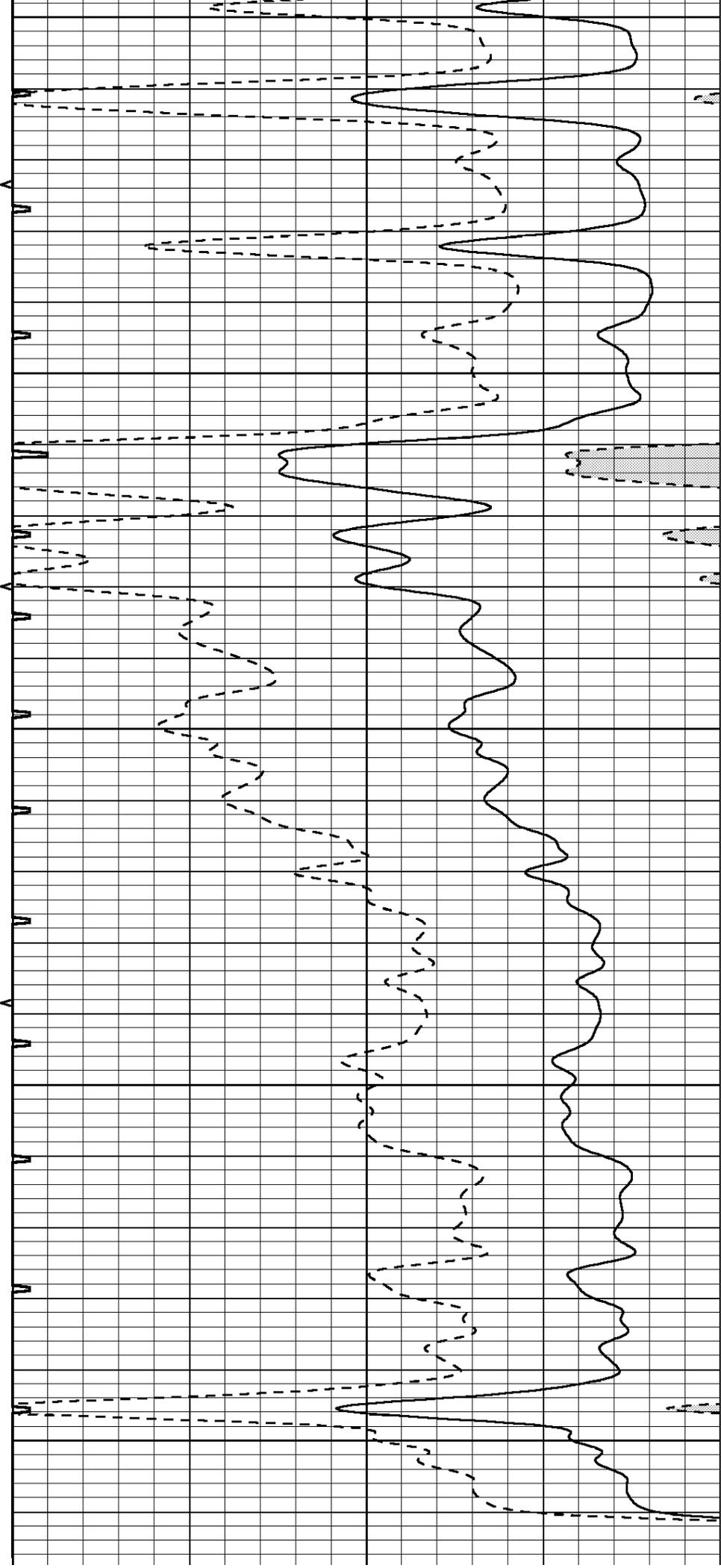
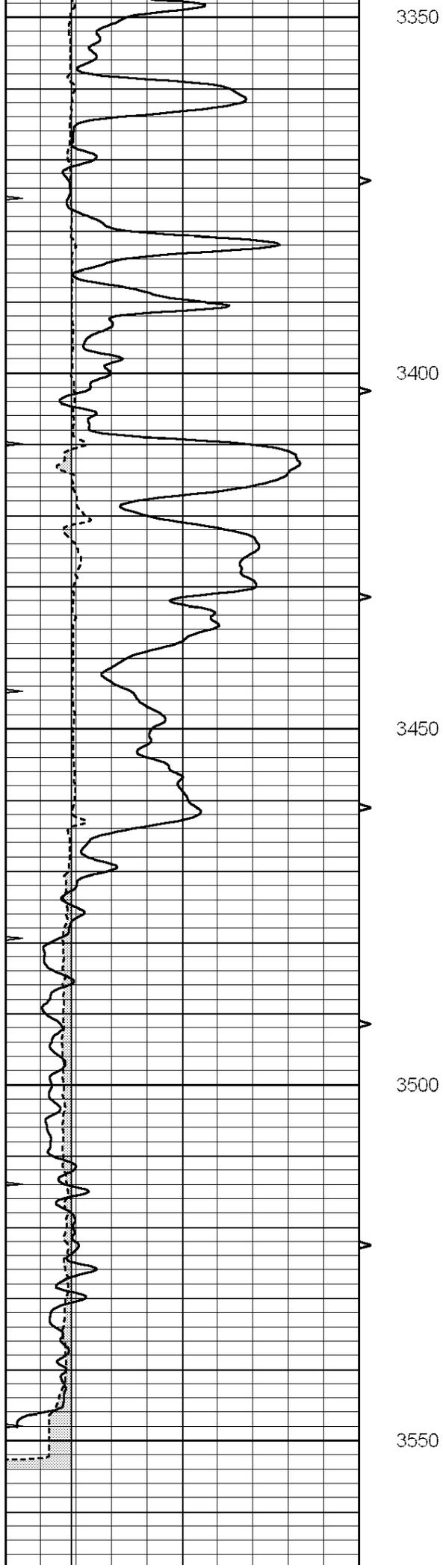




Database File: 25920ddn.db  
 Dataset Pathname: pass5.1  
 Presentation Format: slt  
 Dataset Creation: Thu Nov 27 06:09:12 2014 by Calc SOC 120430  
 Charted by: Depth in Feet scaled 1:240

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