



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**SONIC
LOG**

Company	HUTCHINSON OIL COMPANY		
Well	T & L #2		
Field	HUDSON SOUTHWEST		
County	STAFFORD	State	KANSAS
Location:	API # : 15-185-23894-00-00 335' FNL & 1450' FEL SE - NE - NW - NE		Other Services CNL/CDL DIL/MEL
Permanent Datum	SEC 6	TWP 23S	RGE 12W
Log Measured From	GROUND LEVEL		Elevation 1847
Drilling Measured From	KELLY BUSHING 9' A.G.L.		K.B. 1856 D.F. 1853 G.L. 1847
Date	8/28/14		
Run Number	TWO		
Depth Driller	3815		
Depth Logger	3816		
Bottom Logged Interval	3806		
Top Log Interval	2800		
Casing Driller	8 5/8" @ 334		
Casing Logger	334		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES	6000 PPM
Density / Viscosity	9.4/48		
pH / Fluid Loss	8.5/11.2		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.40 @ 75F		
Rmf @ Meas. Temp	0.12 @ 75F		
Rmc @ Meas. Temp	0.19 @ 75F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	0.26 @ 114F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	114F		
Equipment Number	3802		
Location	HAYS, KS.		
Recorded By	IAN MABB		
Witnessed By	JEFFREY A. BURK		
	ELI J. FELTS		

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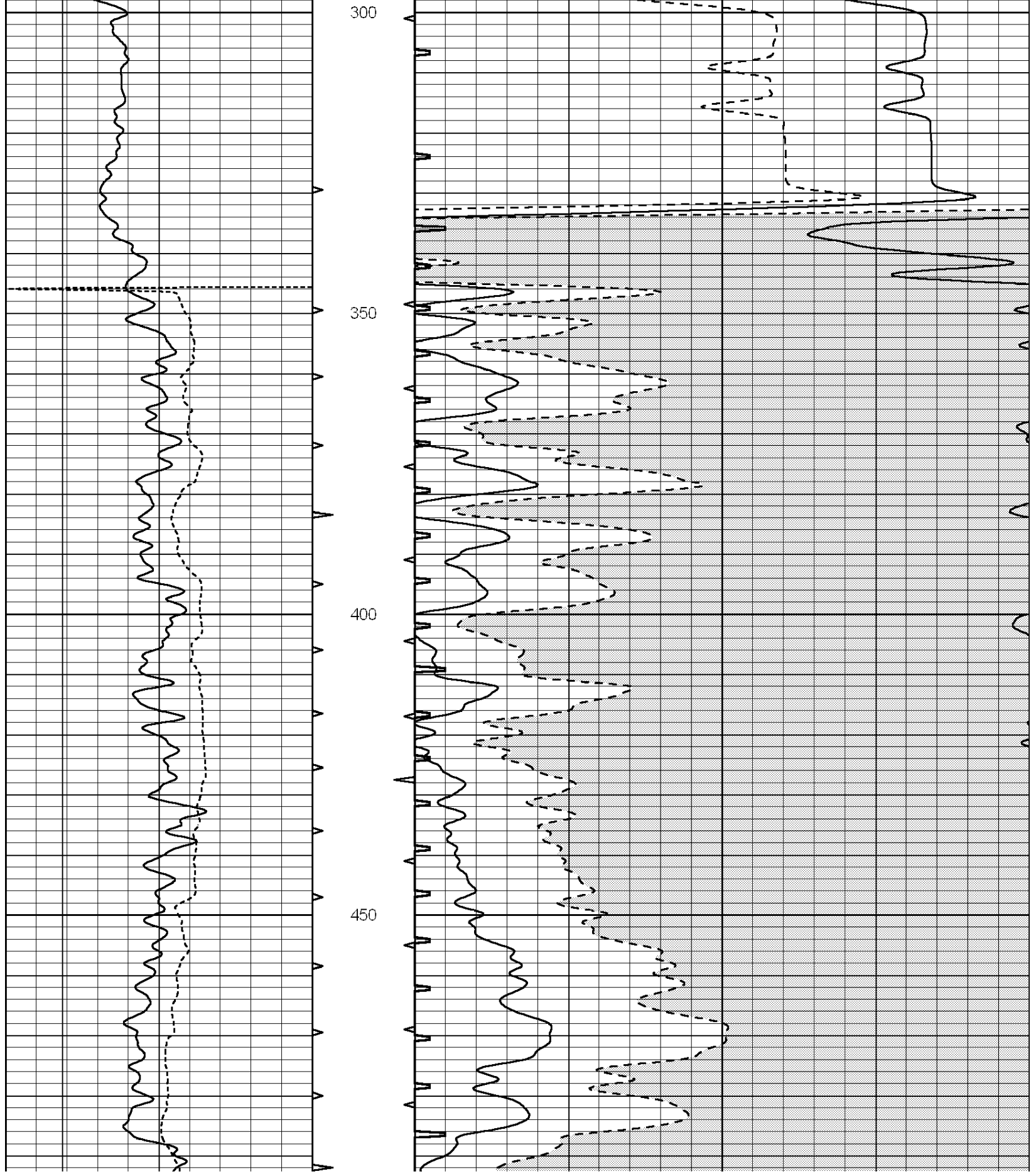
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

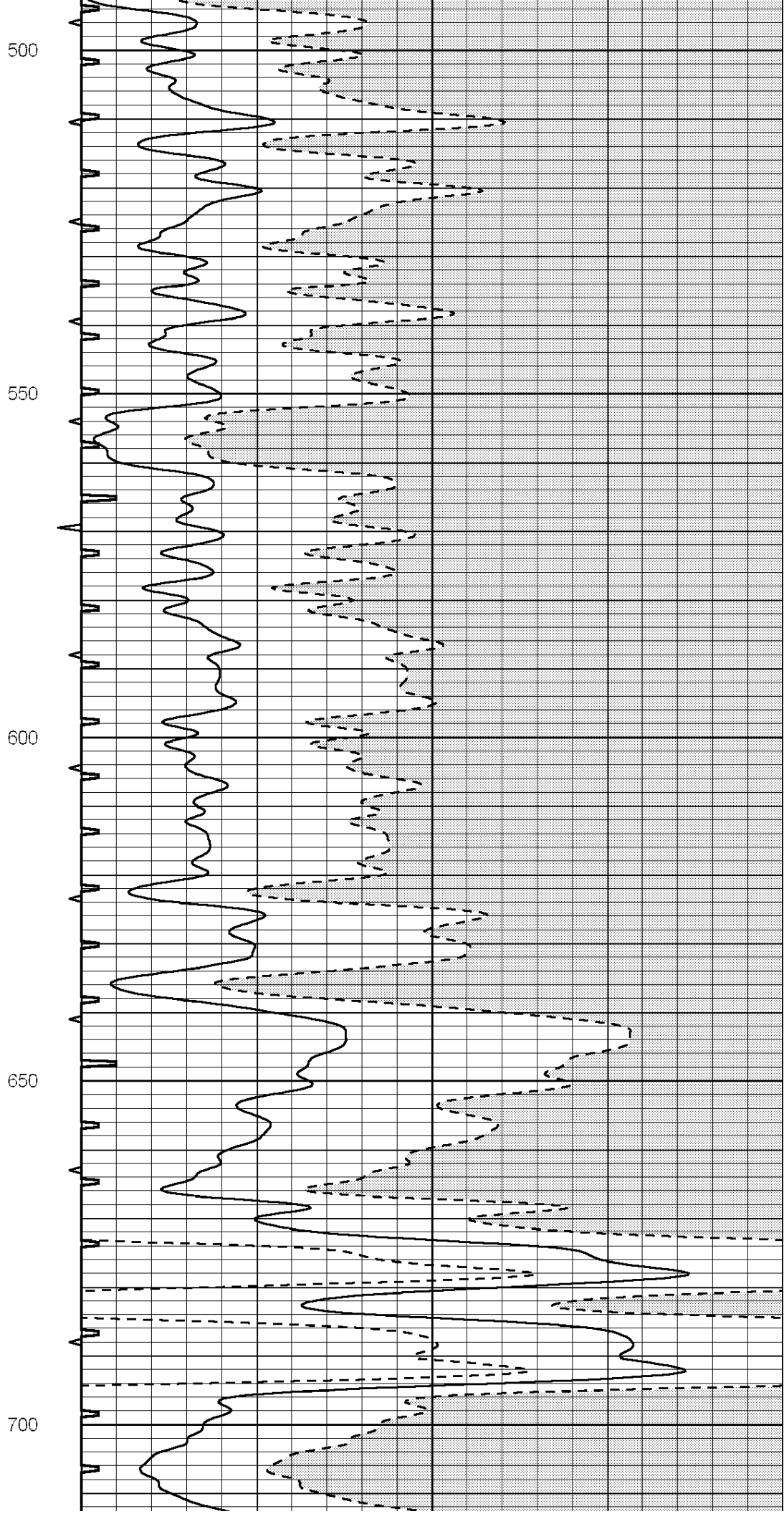
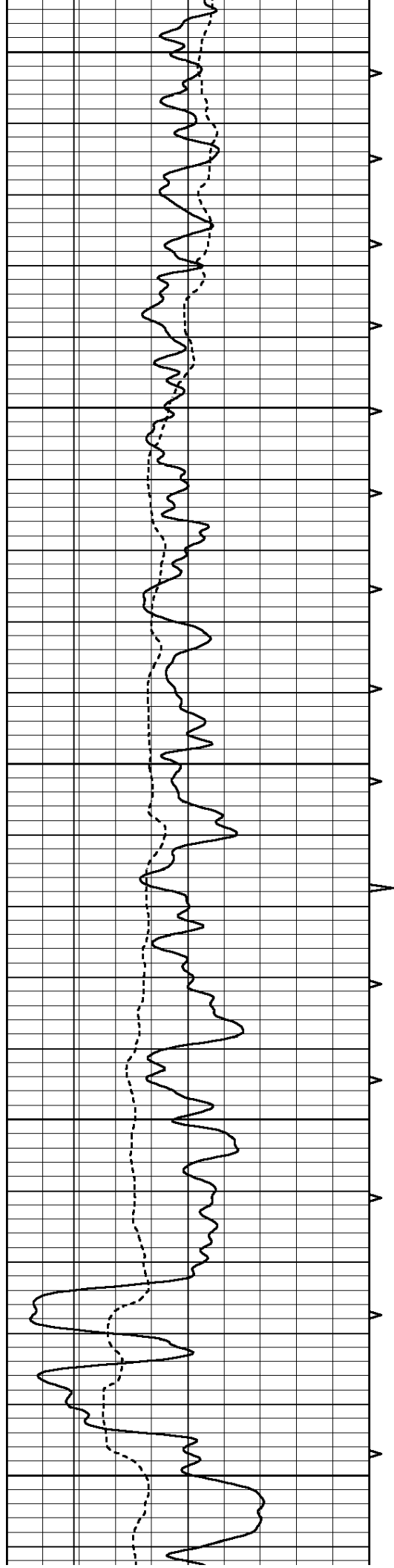
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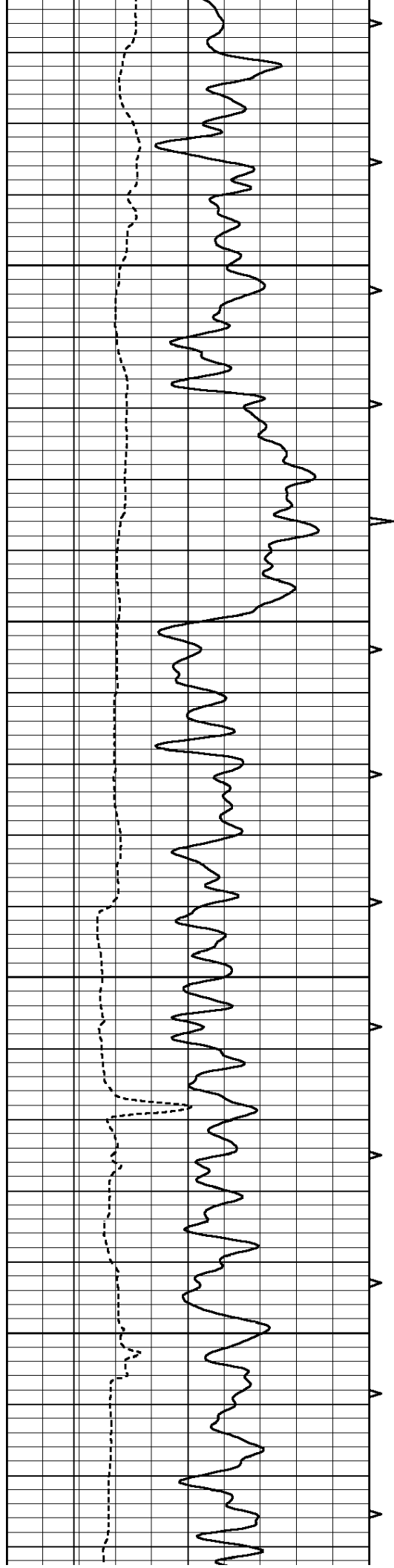
THANK YOU FOR USING NABORS COMPLETION & PRODUCTION SVCS. (785) 628-6395

DIRECTIONS:
HUDSON, KS. - 1 WEST TO NE 40 RD. - 1/2 SOUTH - WEST INTO

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





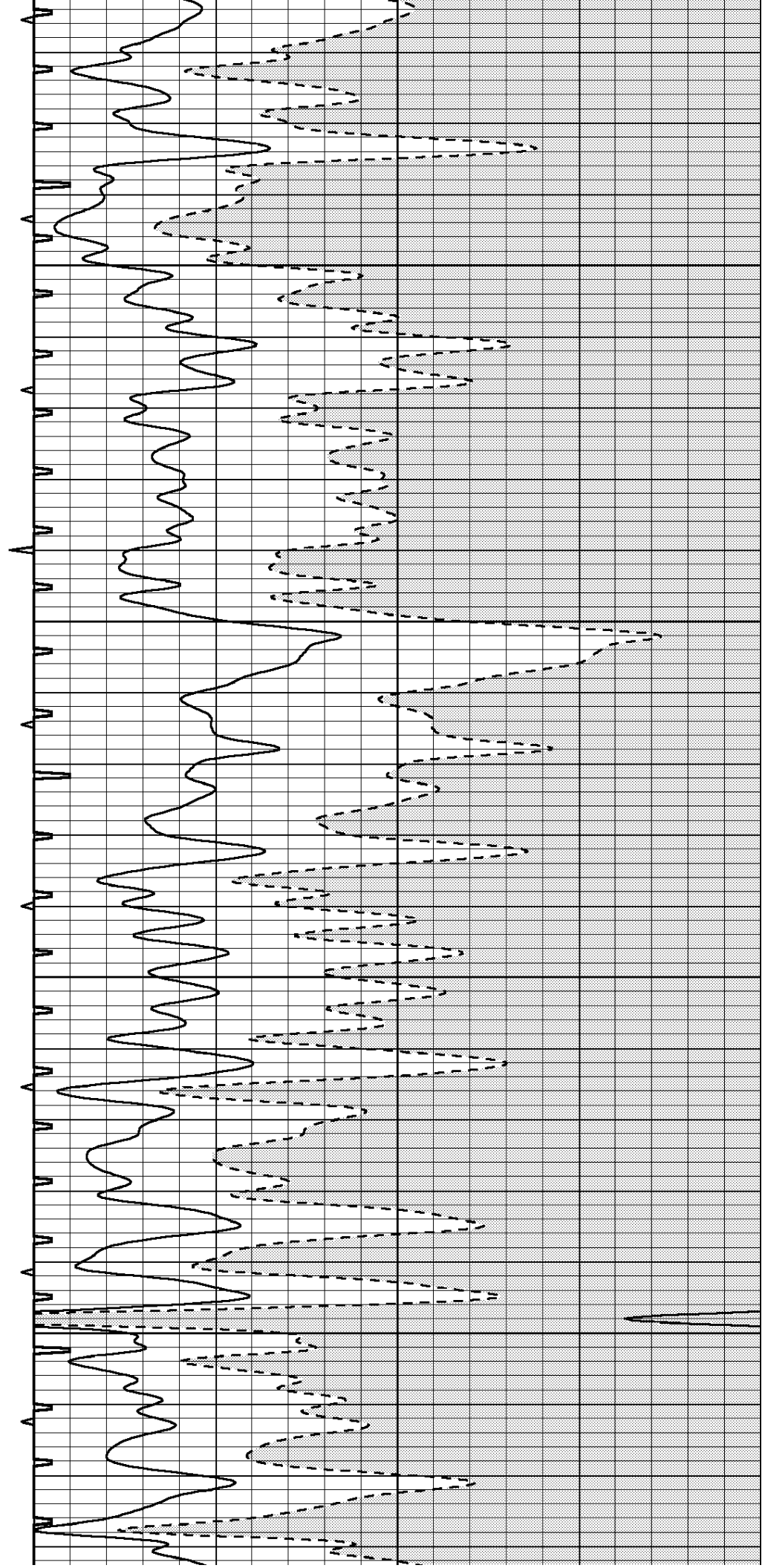


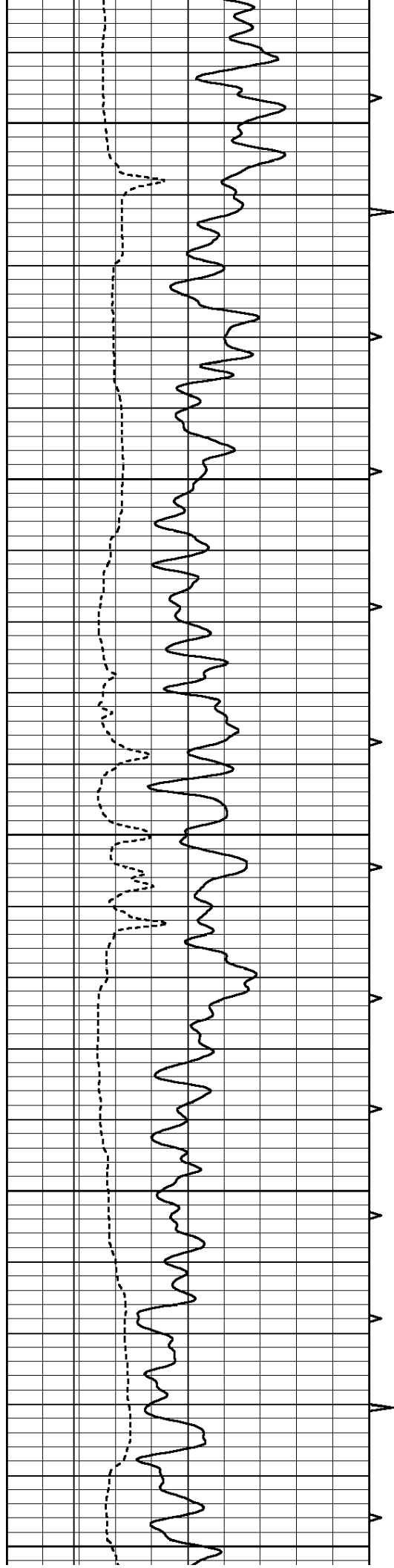
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800

850

900





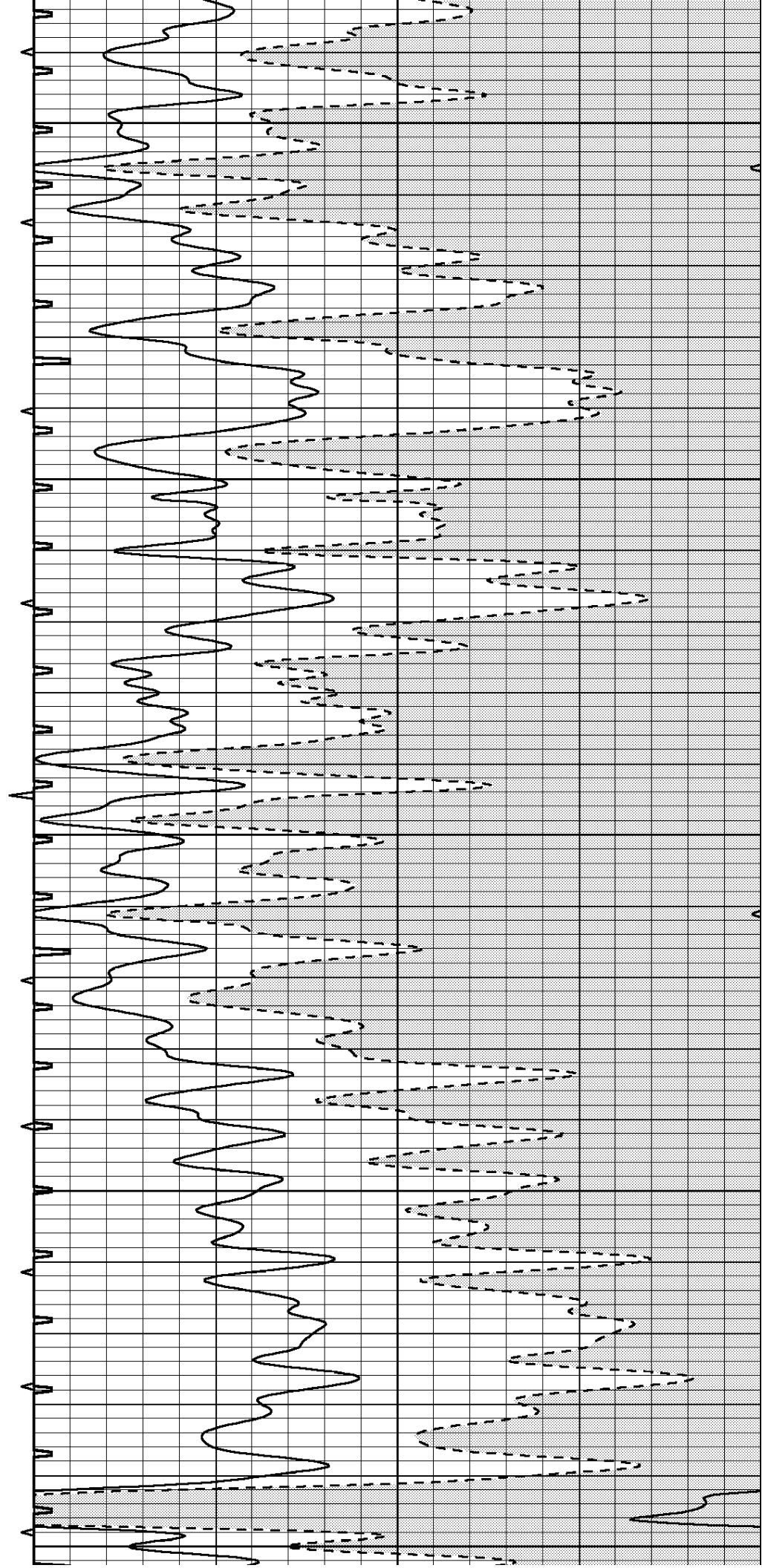
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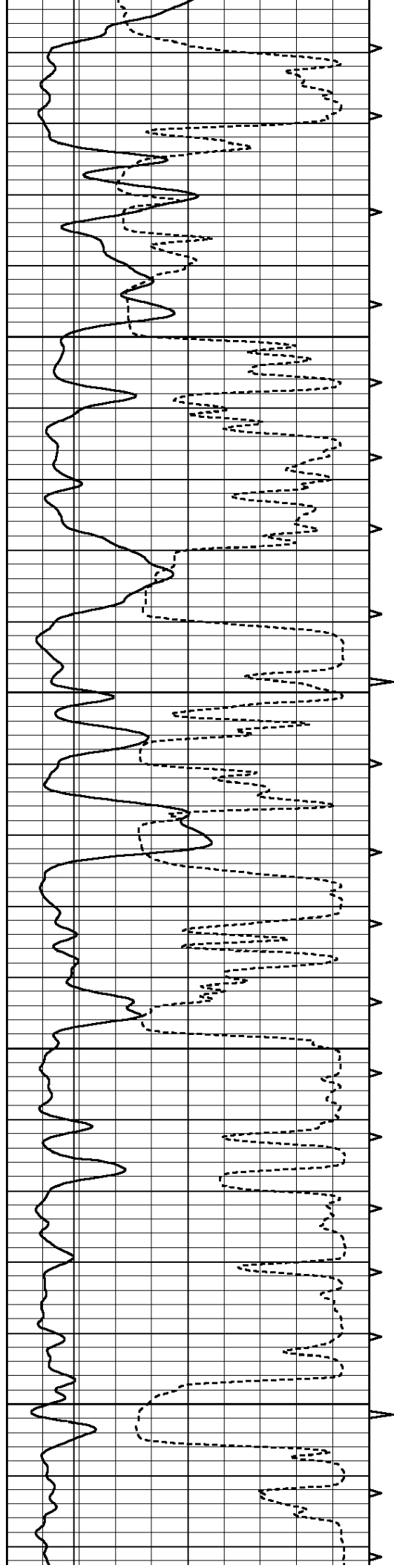
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1050

1100

1150



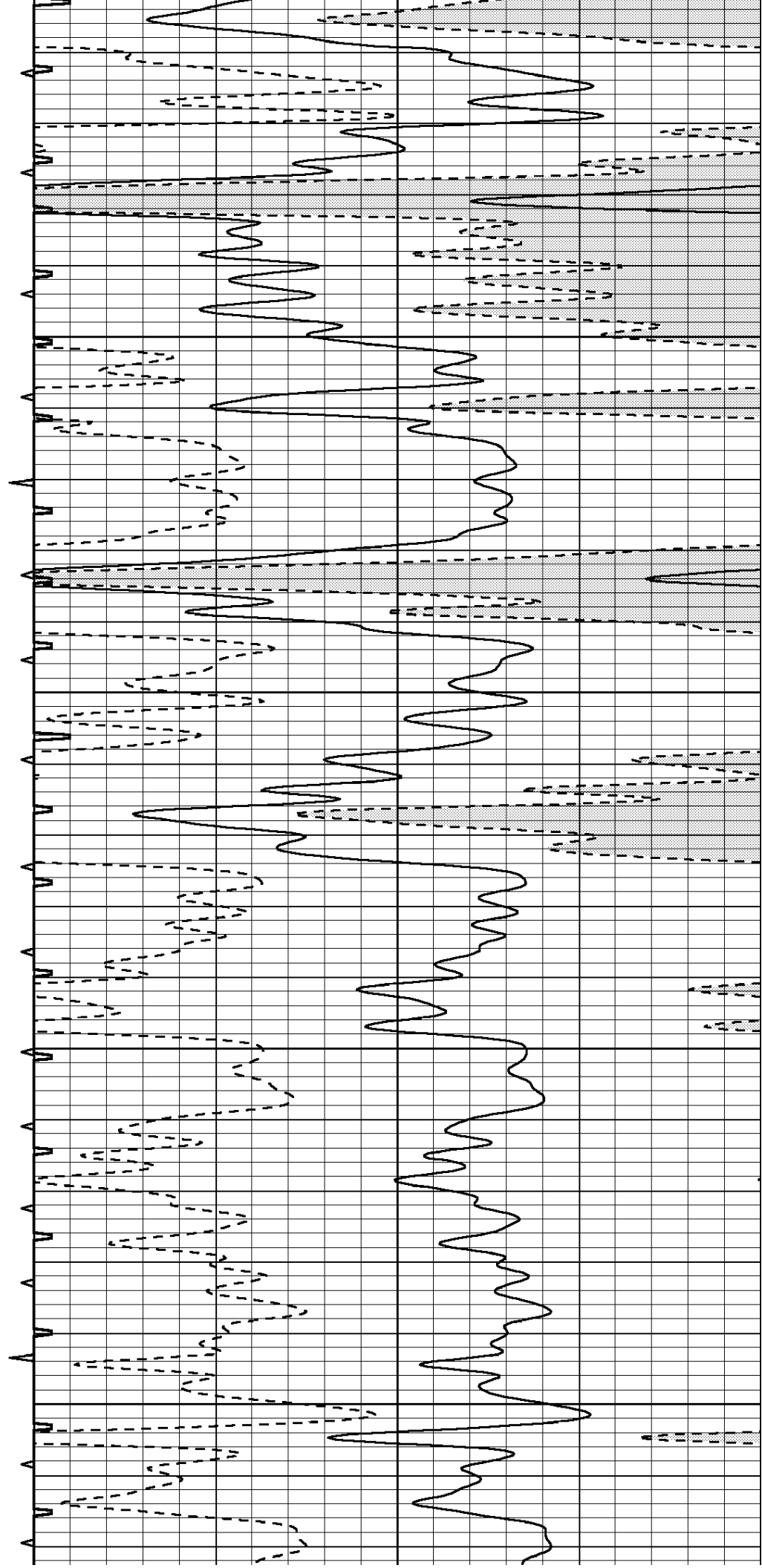


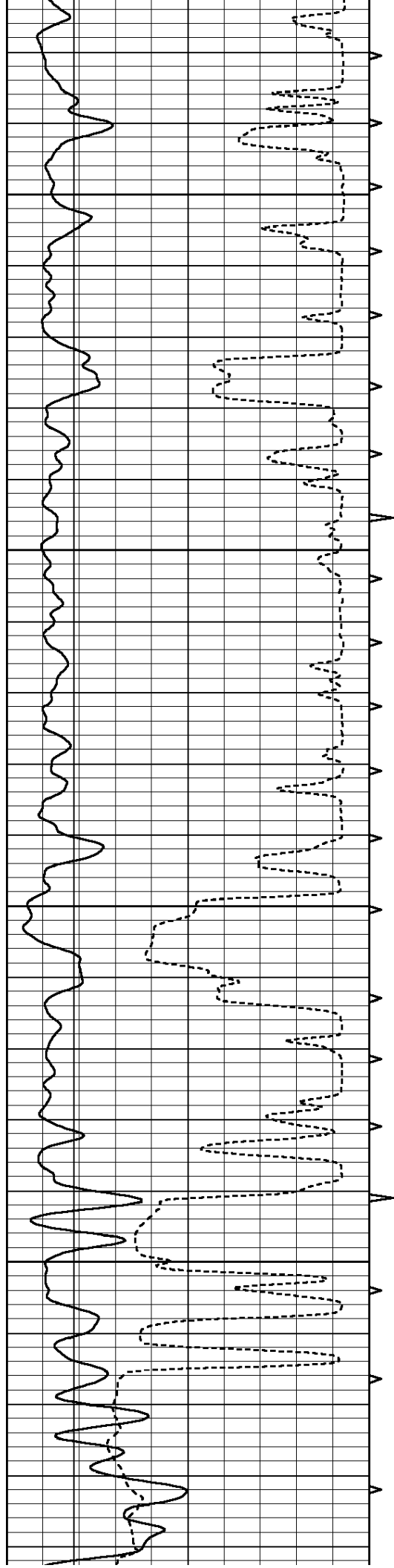
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1300

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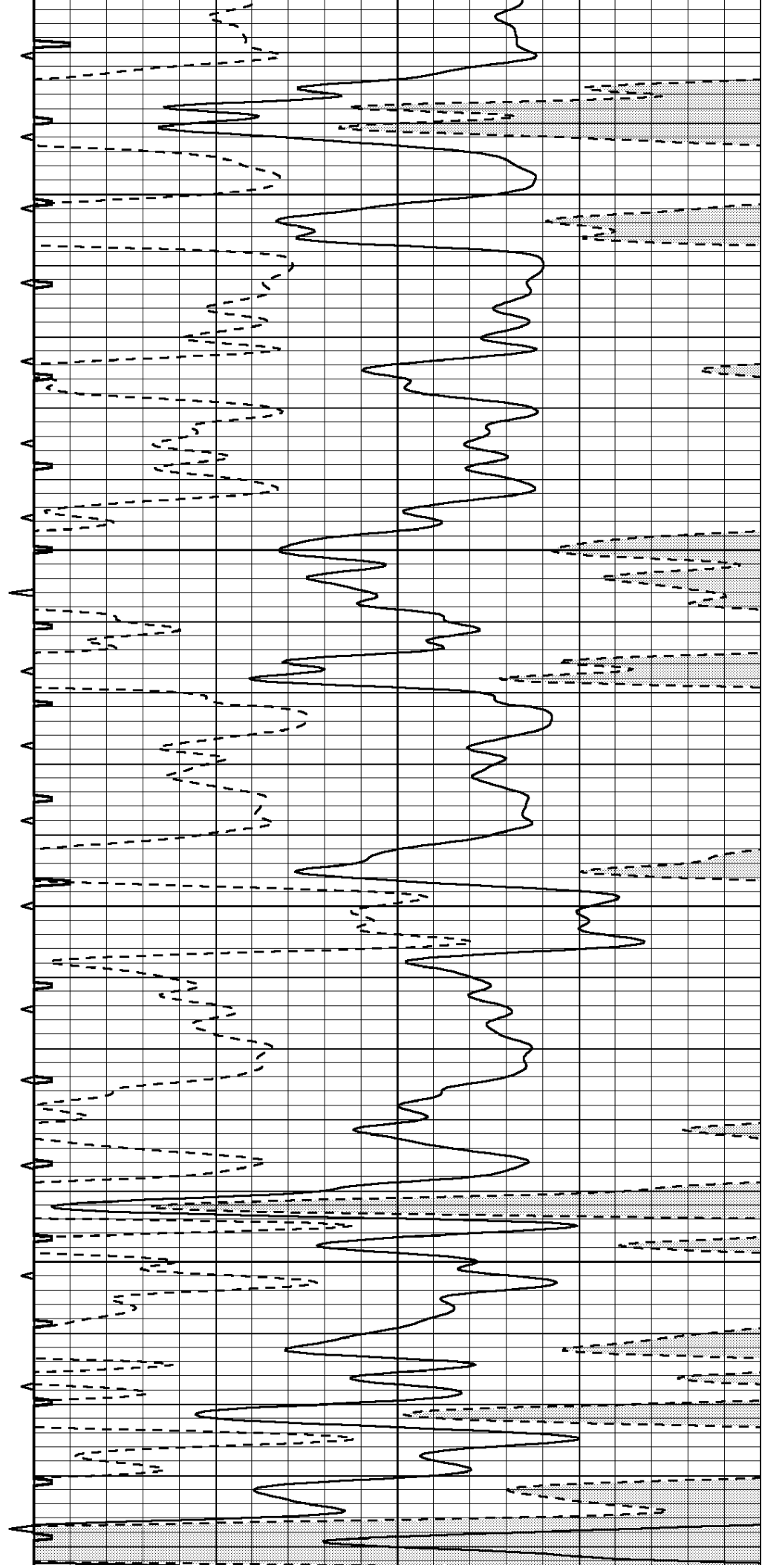


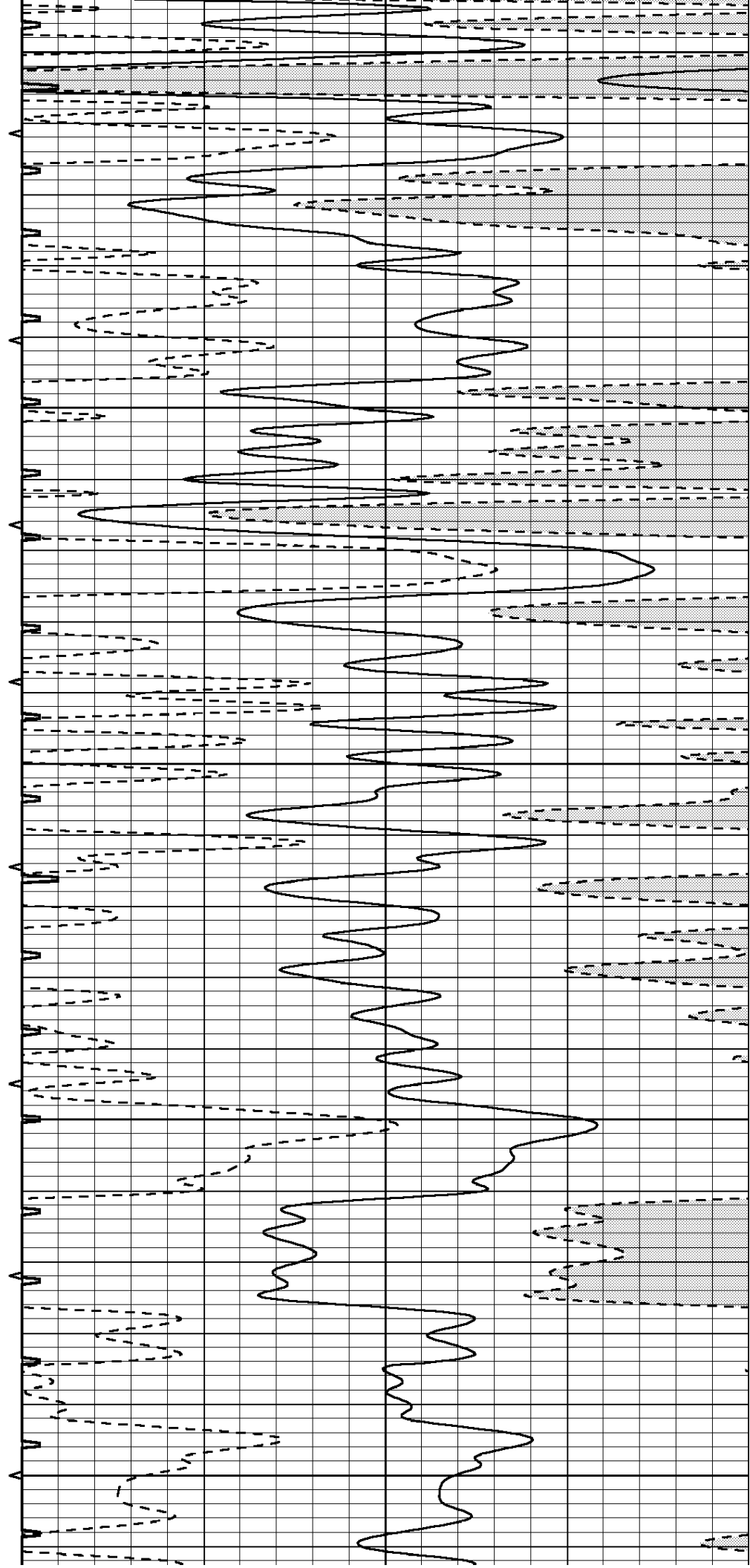
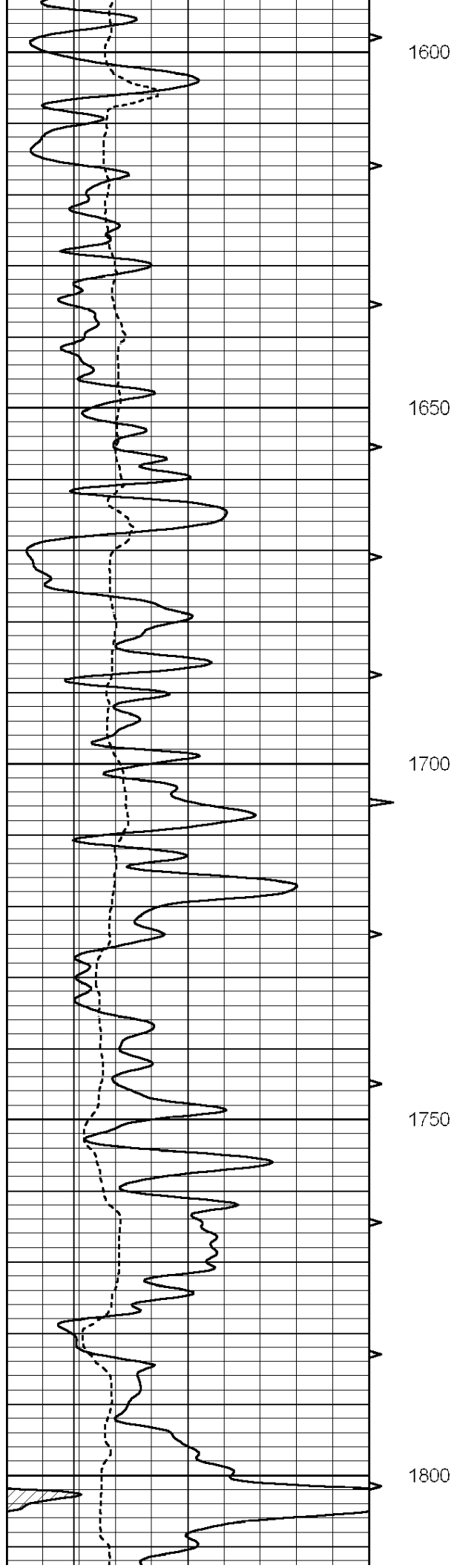
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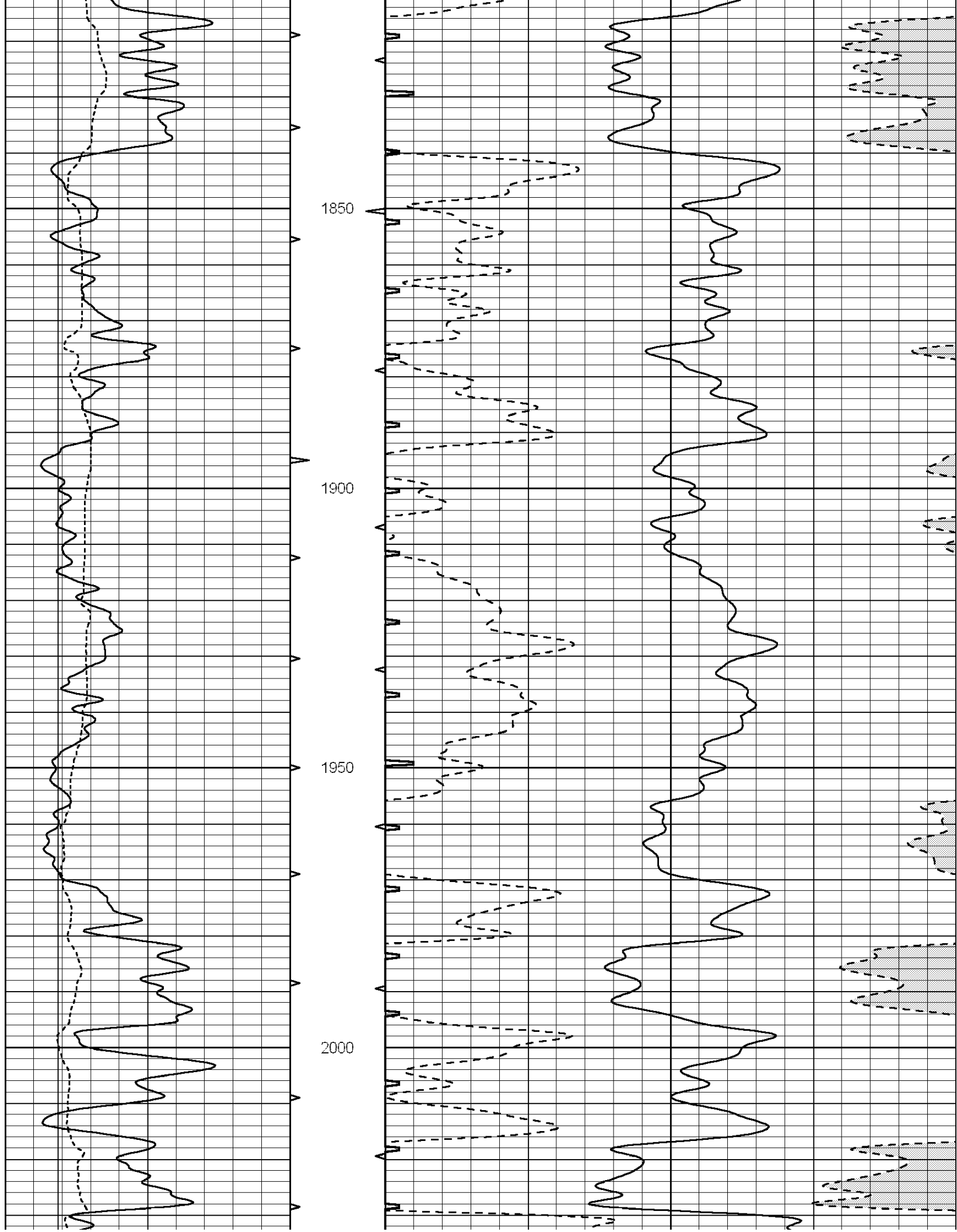
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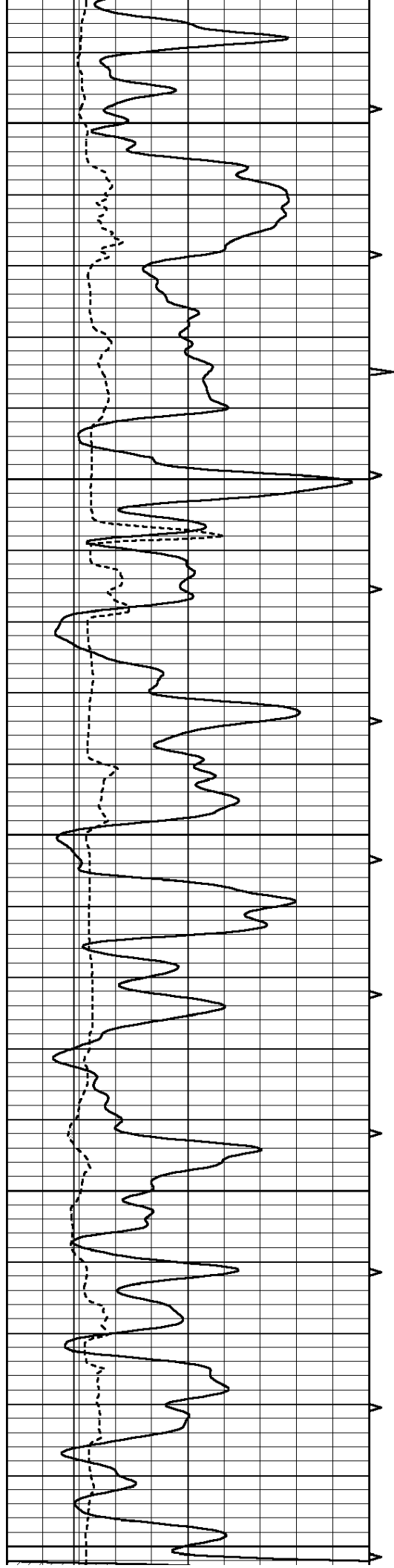
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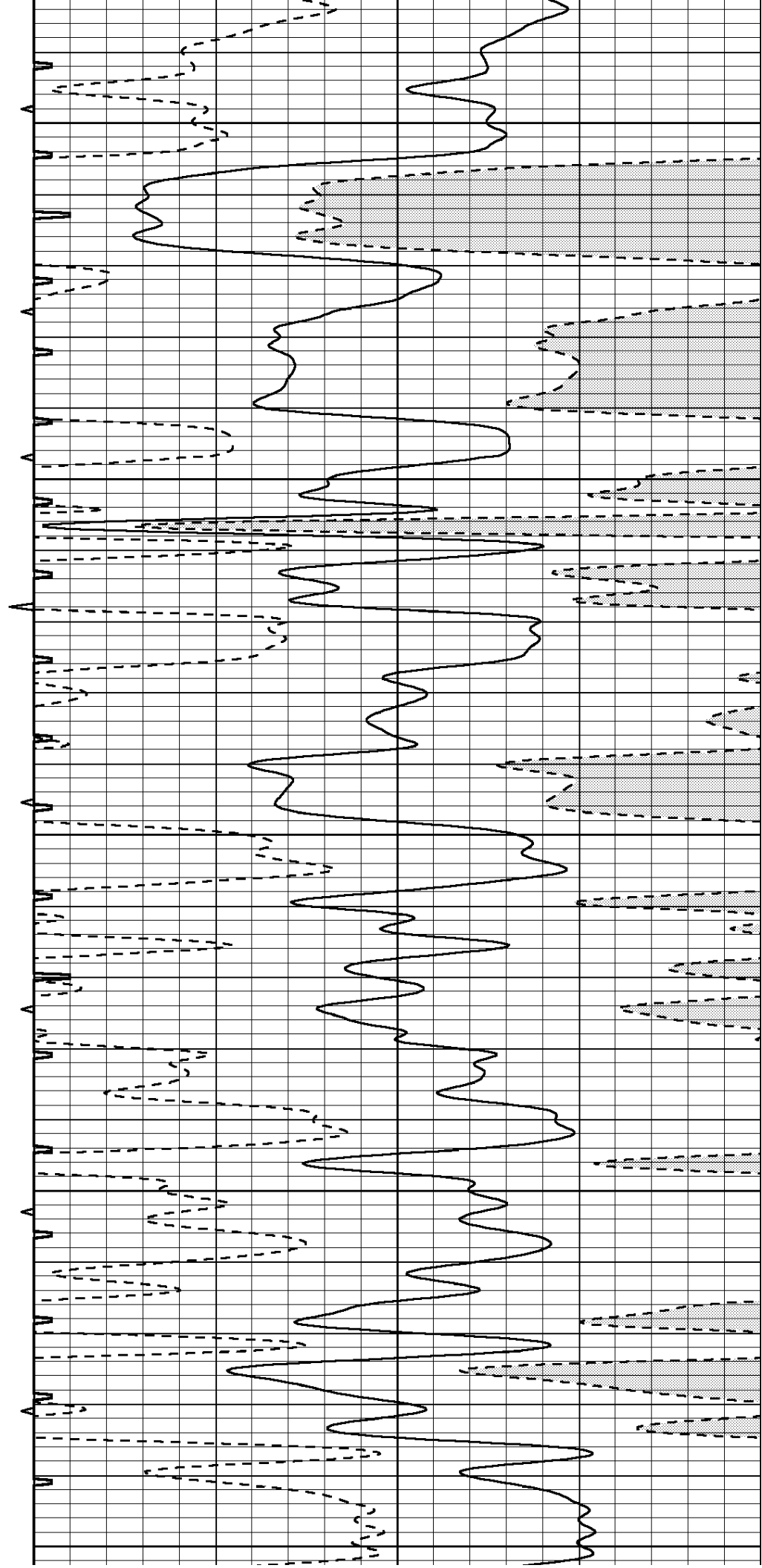
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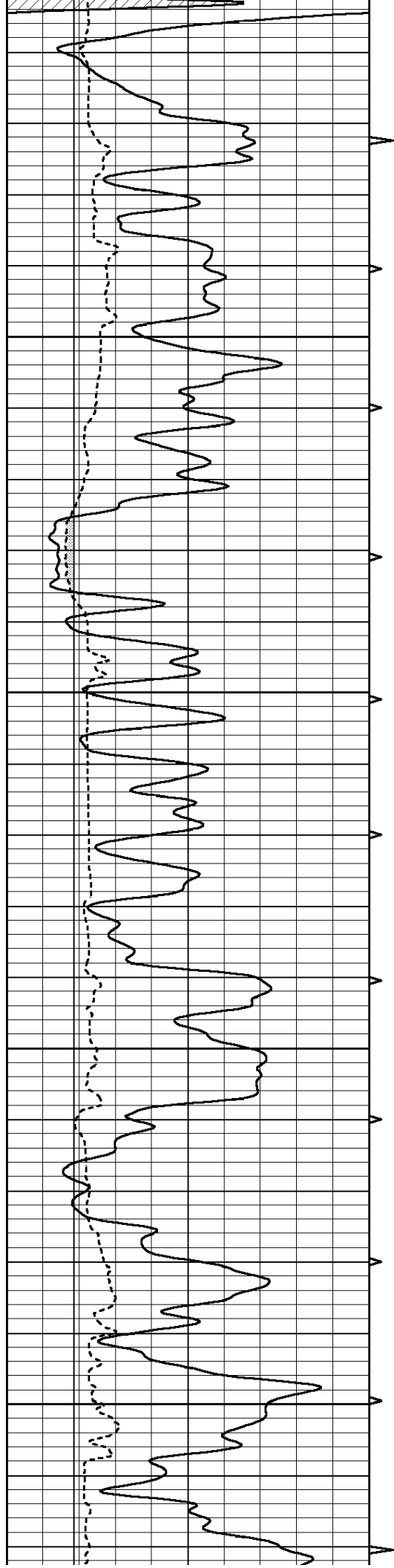
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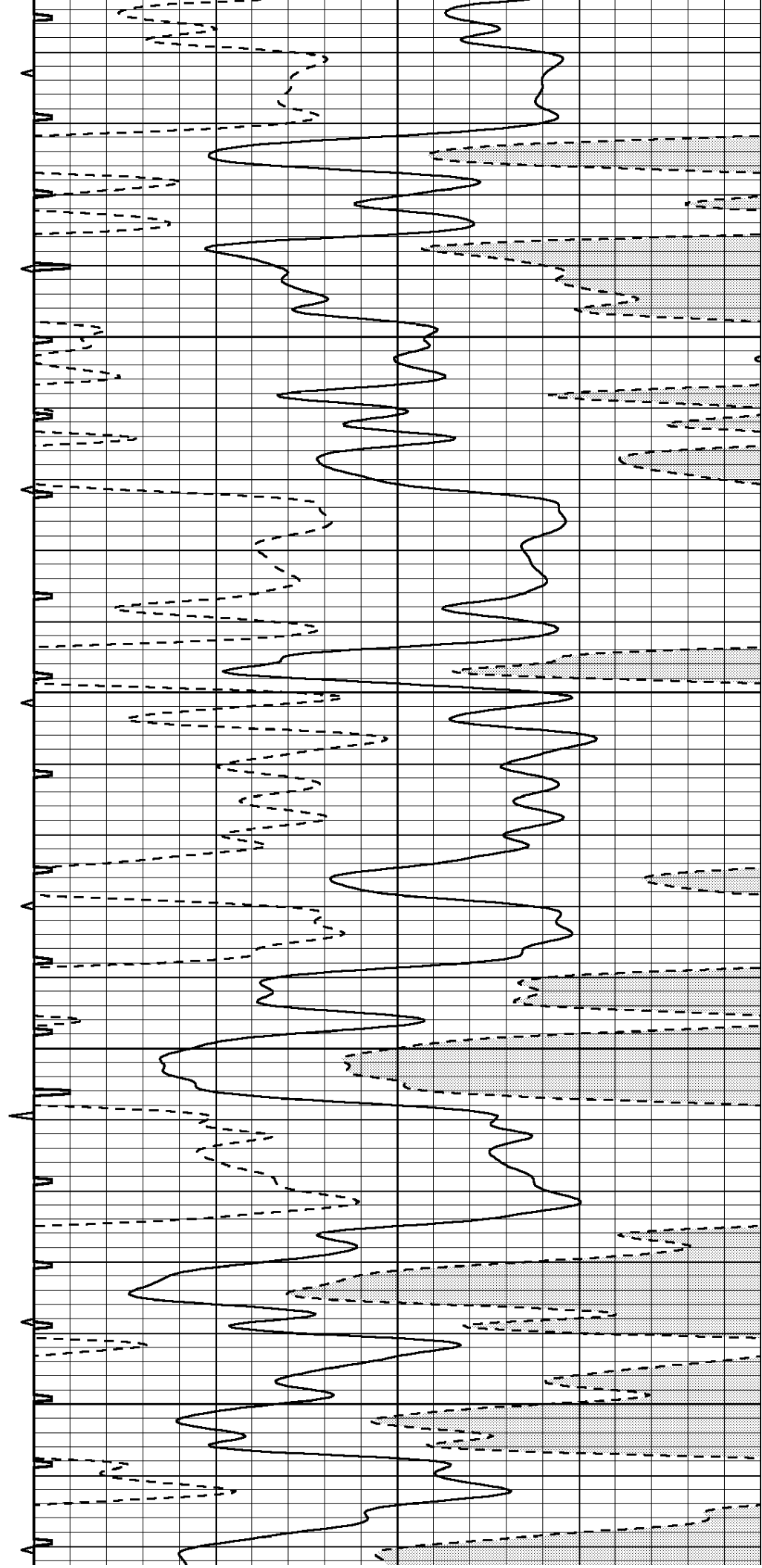


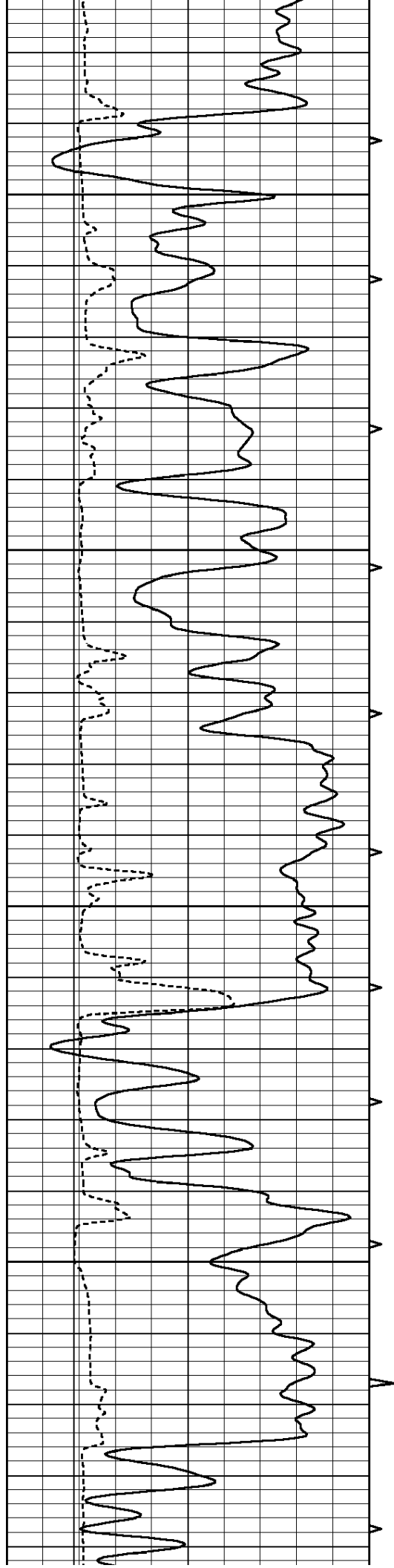
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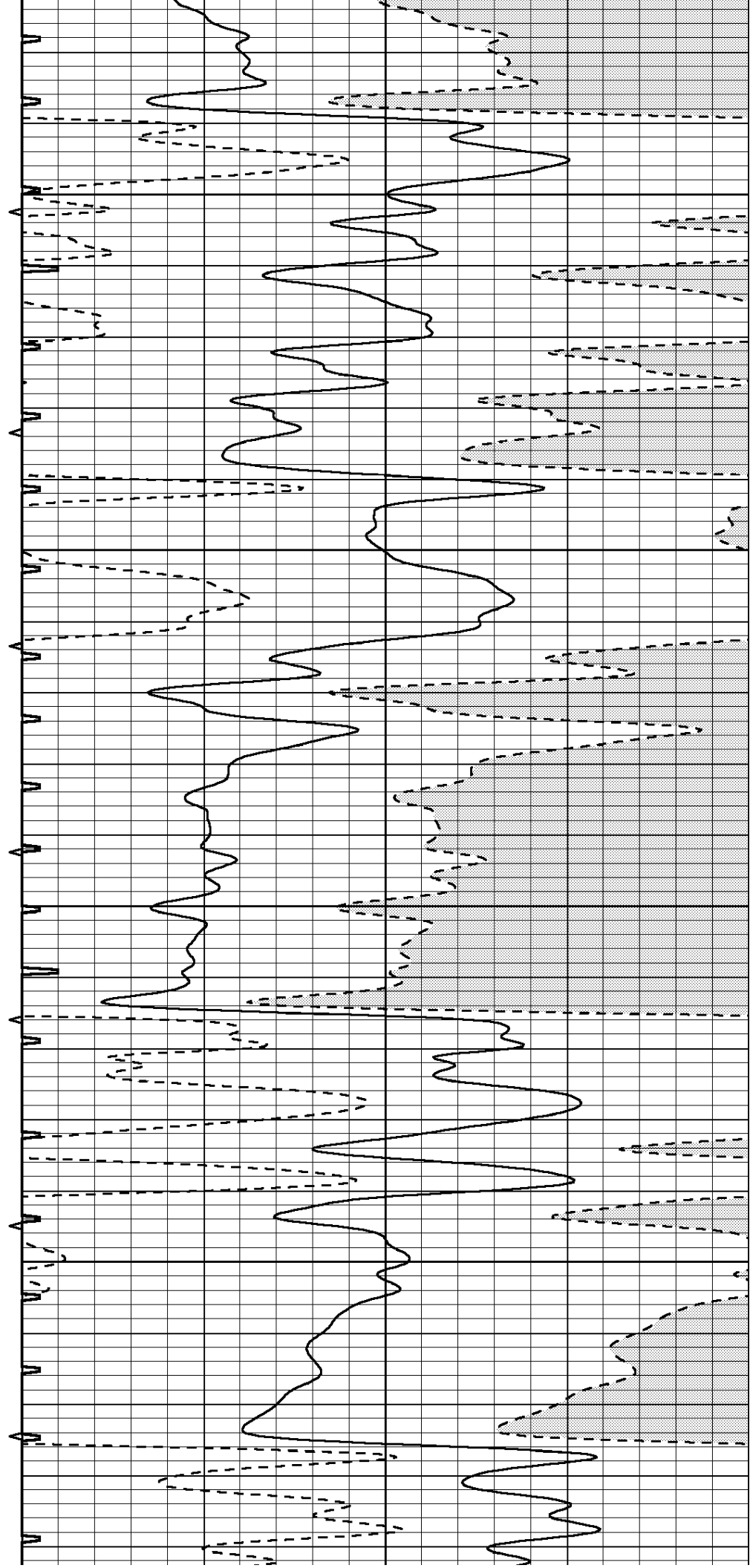


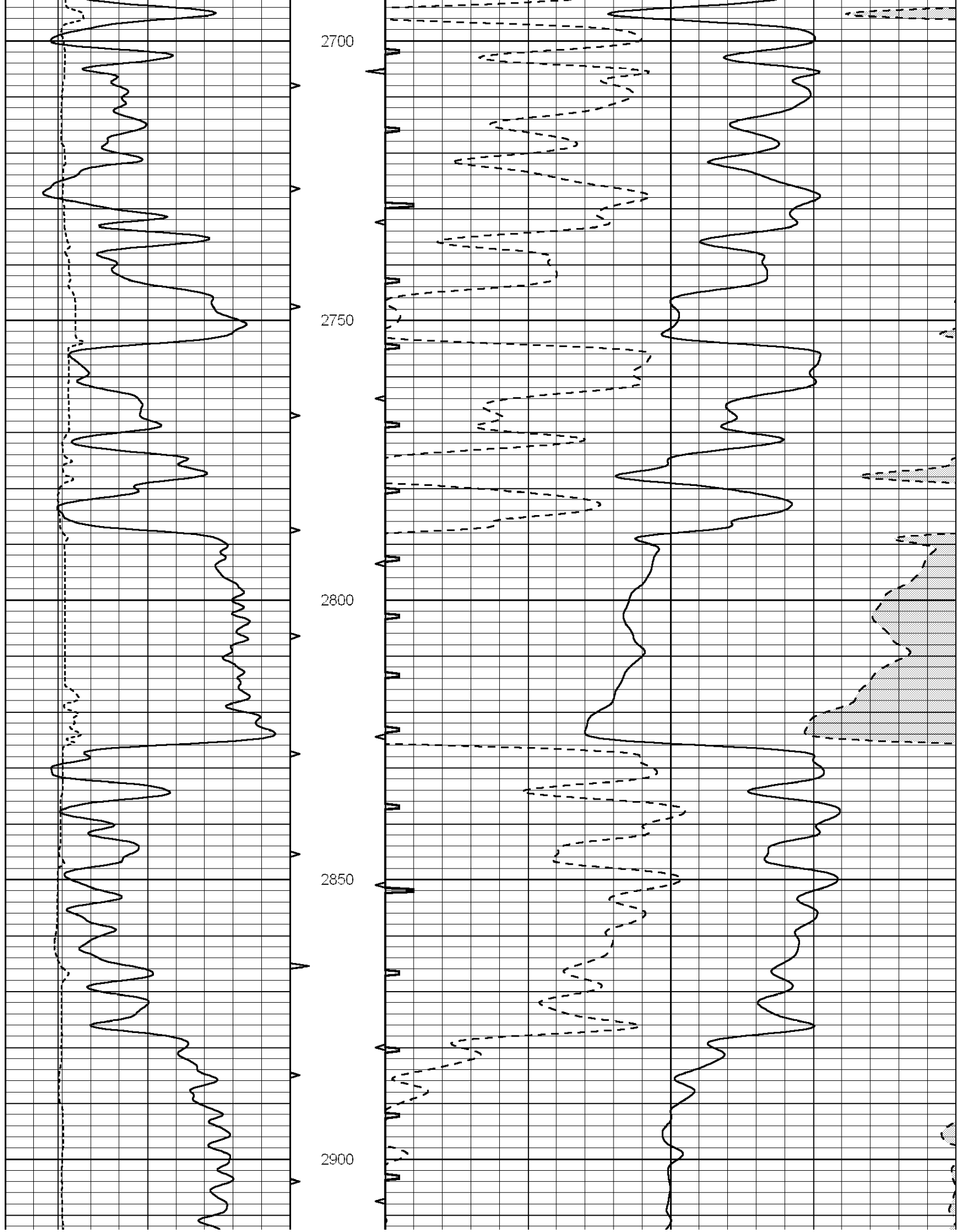
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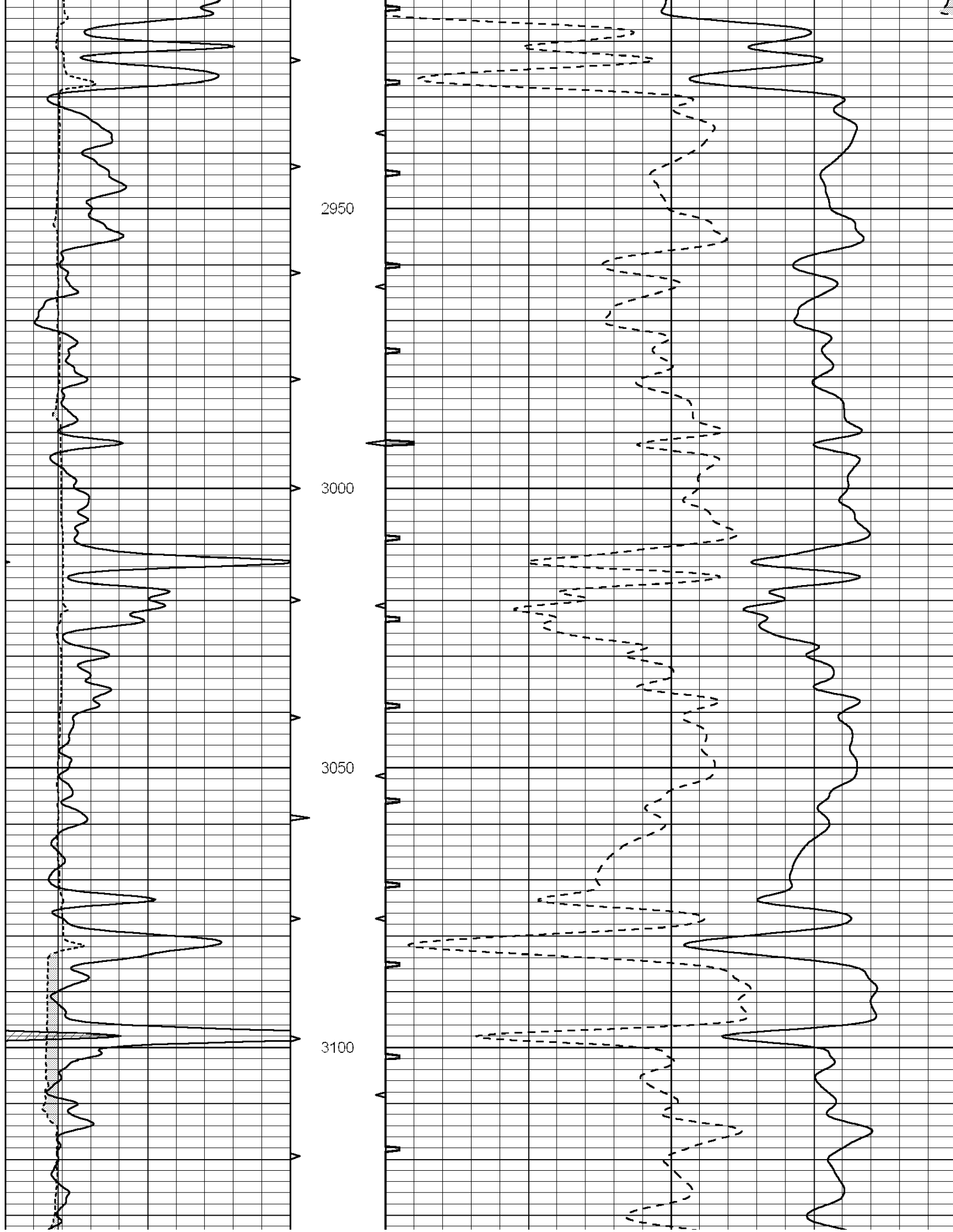
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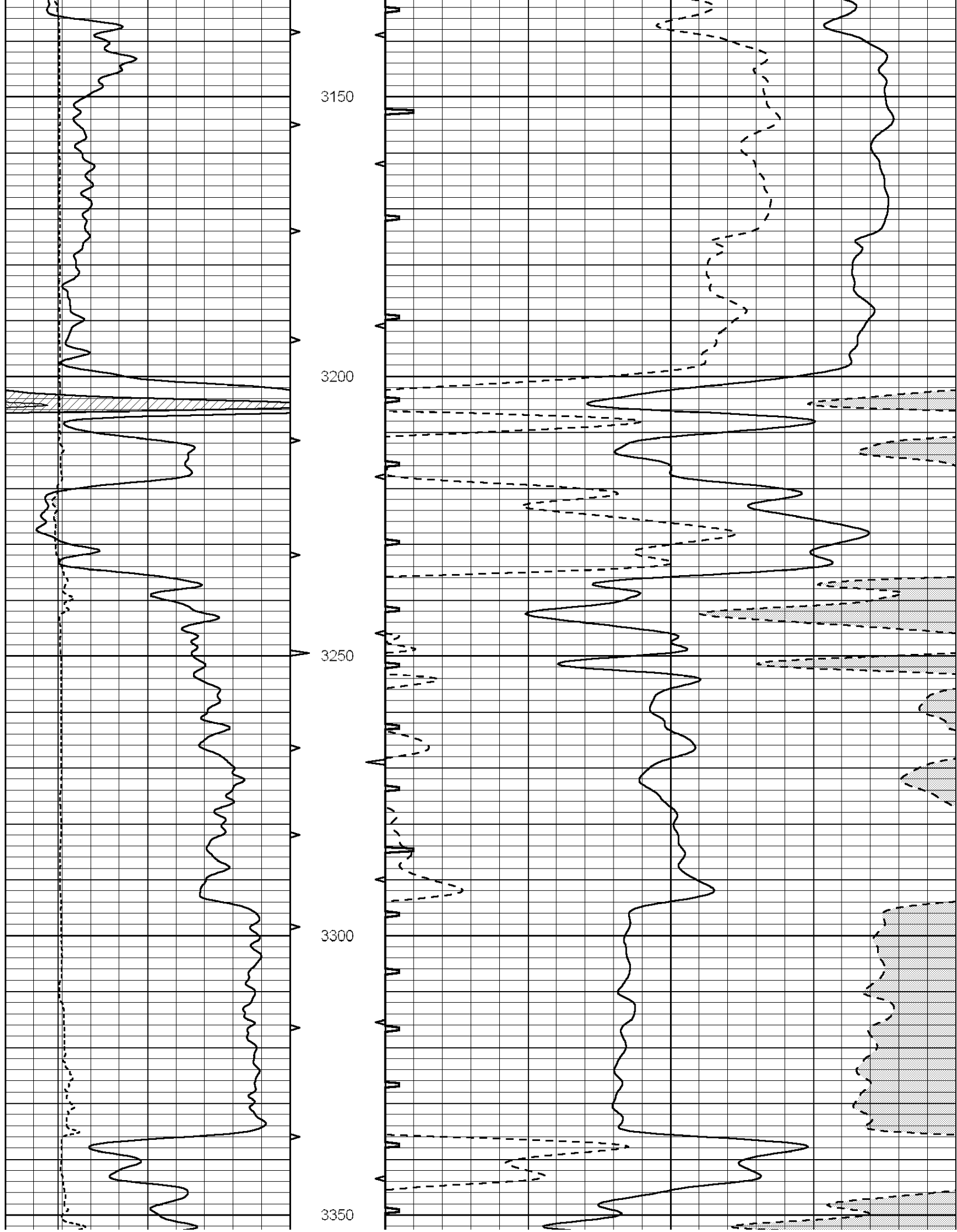
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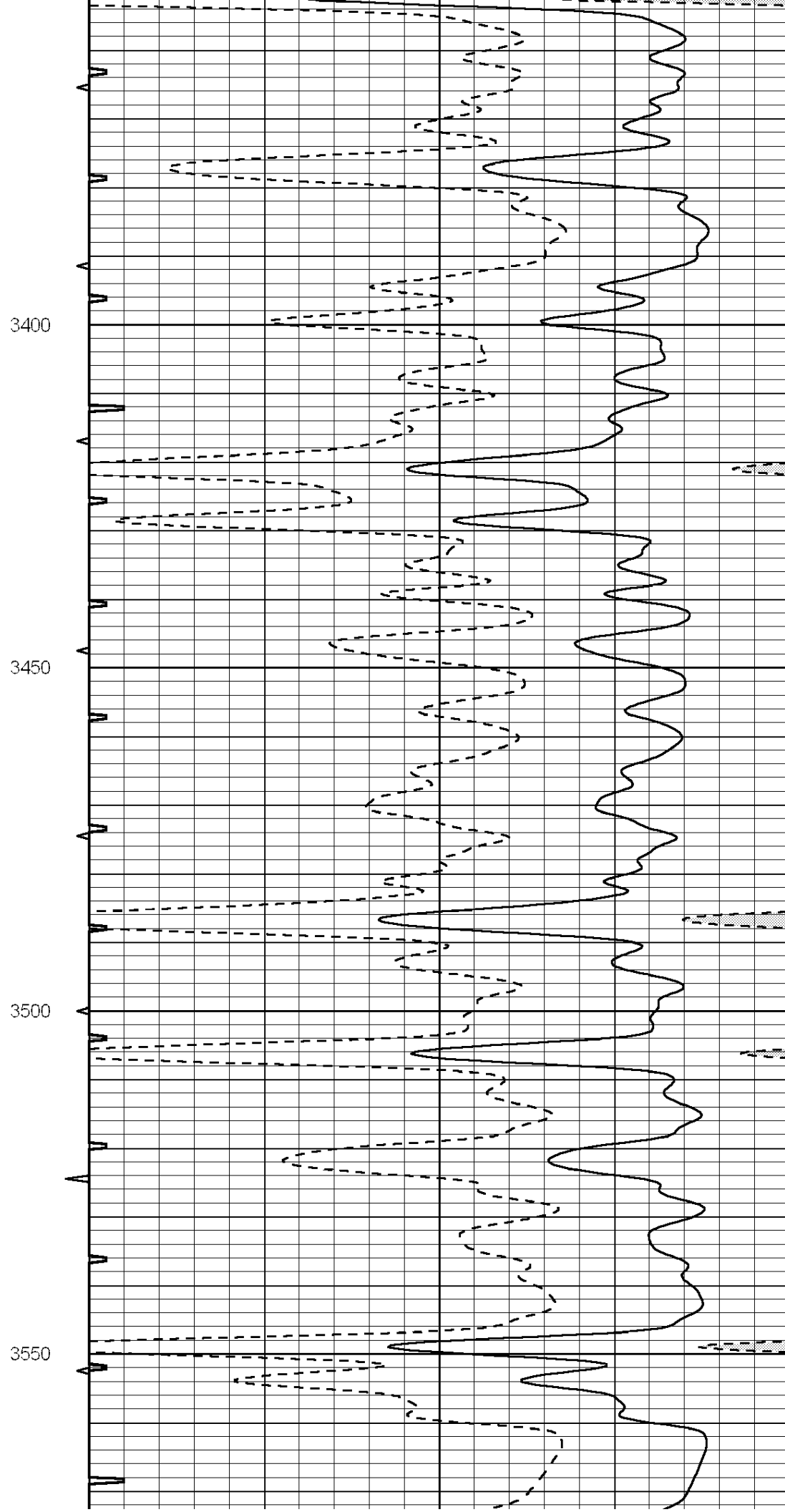
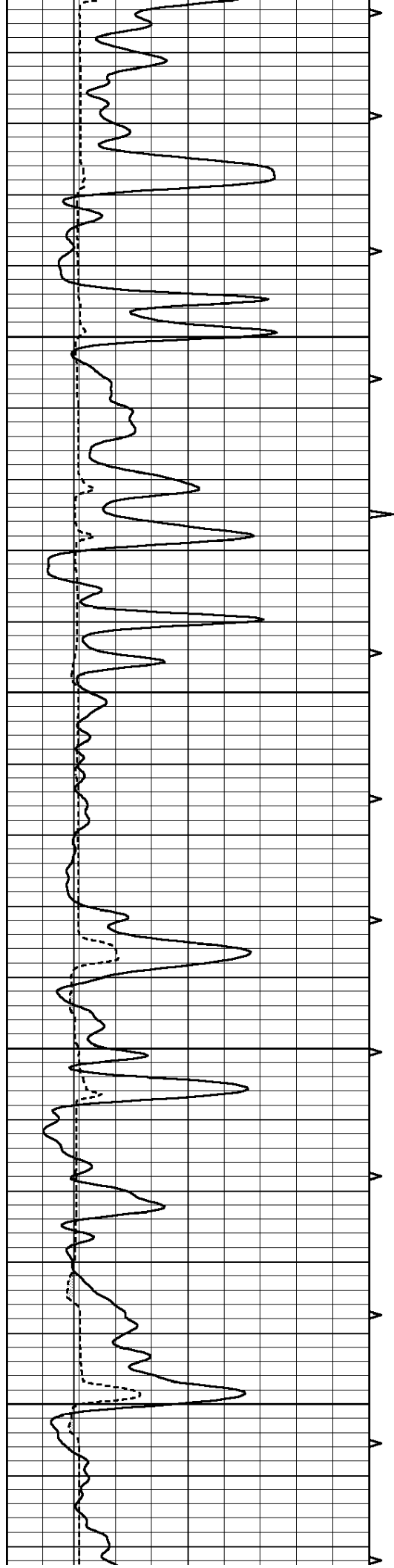
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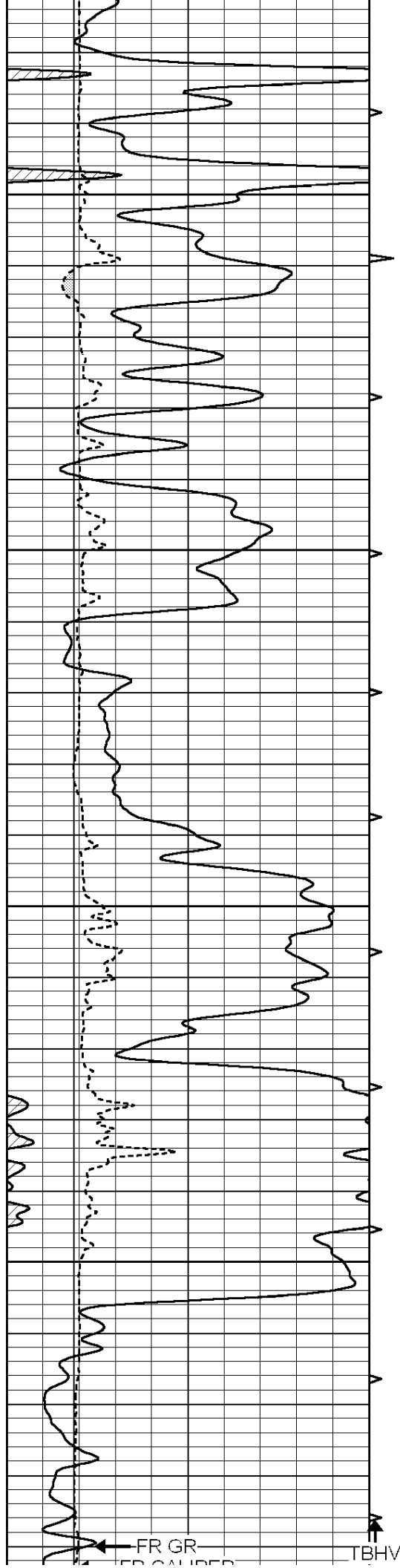












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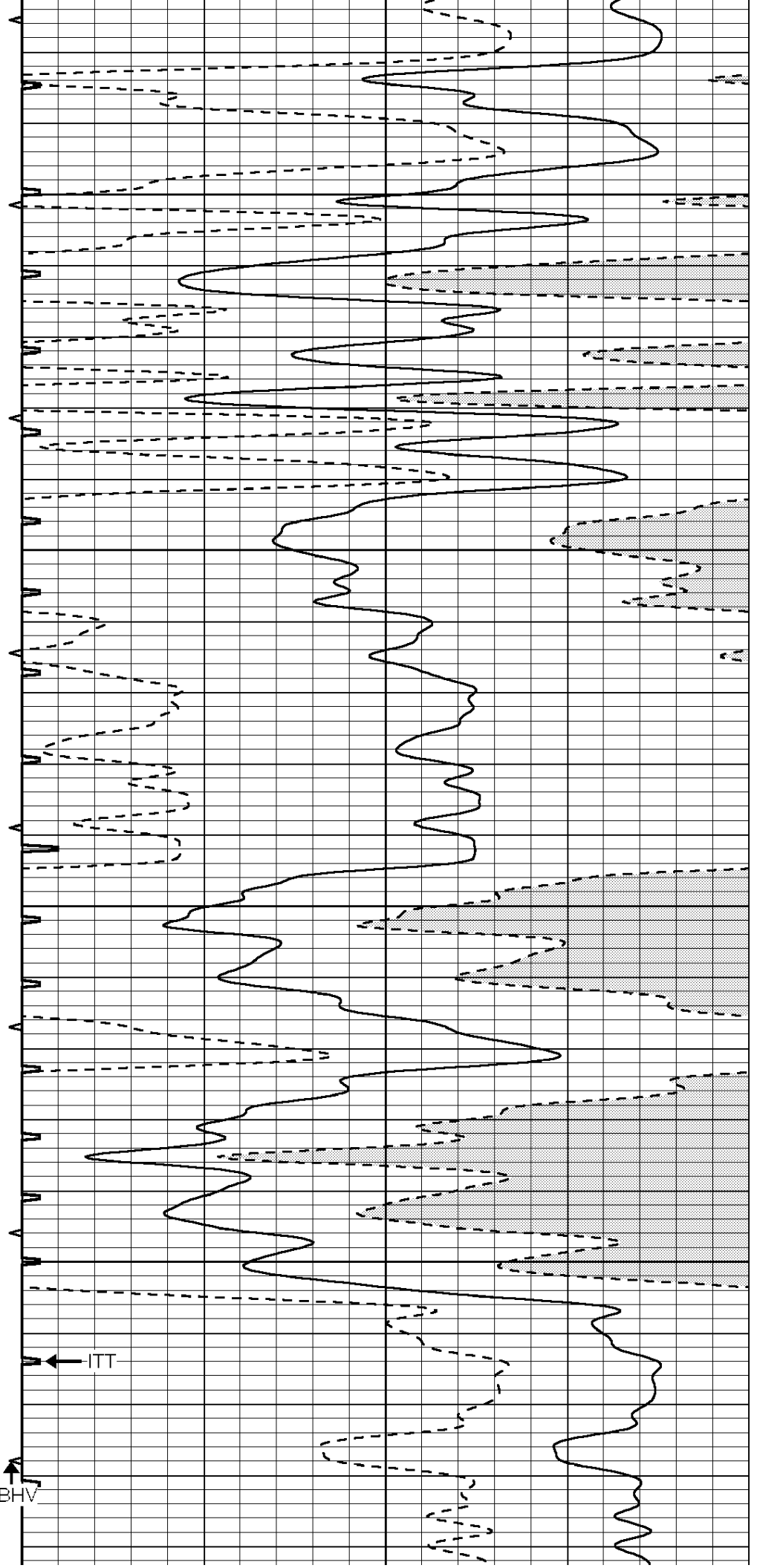
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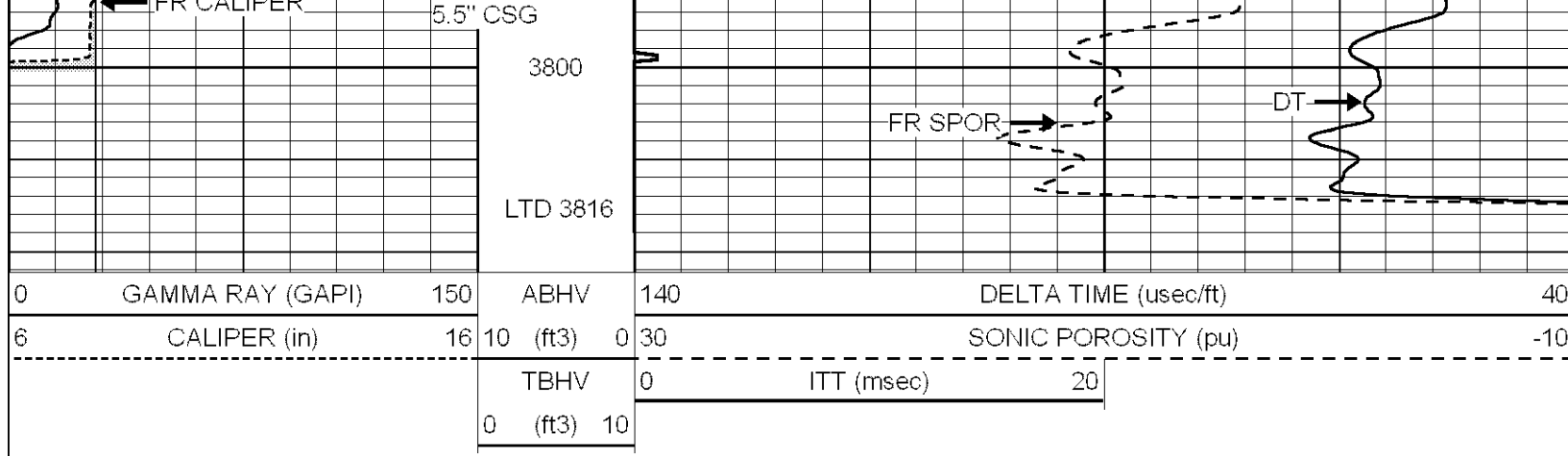
ITT

ABHV

FR GR

TBHV






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 SERVICES CO.

REPEAT SECTION

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