



**SUPERIOR
Hays,
Kansas**

**COMPENSATED
DENSITY /NEUTRON
LOG**

Company	RITCHIE EXPLORATION, INC.		
Well	BARNGROVER #1		
Field			
County	FORD	State	KANSAS
Location:	API # : 15-057-20829-0000		Other Services
2305' FNL & 335' FEL SE - SE - NE		DIL	
SEC 7 TWP 28S RGE 23W		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	2515
Log Measured From	KELLY BUSHING 12' A.G.L.	D.F.	2525
Drilling Measured From	KELLY BUSHING	G.L.	2515
Date	7-23-12		
Run Number	ONE		
Depth Driller	5299		
Depth Logger	5298		
Bottom Logged Interval	5274		
Top Log Interval	3500		
Casing Driller	345		
Casing Logger			
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.0 / 49	CHLORIDES 9,200 PPM	
pH / Fluid Loss	10.0 / 10.4		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.45 @ 90F		
Rmft @ Meas. Temp	0.34 @ 90F		
Rmc @ Meas. Temp	0.54 @ 90F		
Source of Rmft / Rmc	MEASURED		
Rim @ BHT	0.32 @ 128F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	128F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	JEFF GRONEWEG		
Witnessed By	MACKLIN ARMSTRONG		

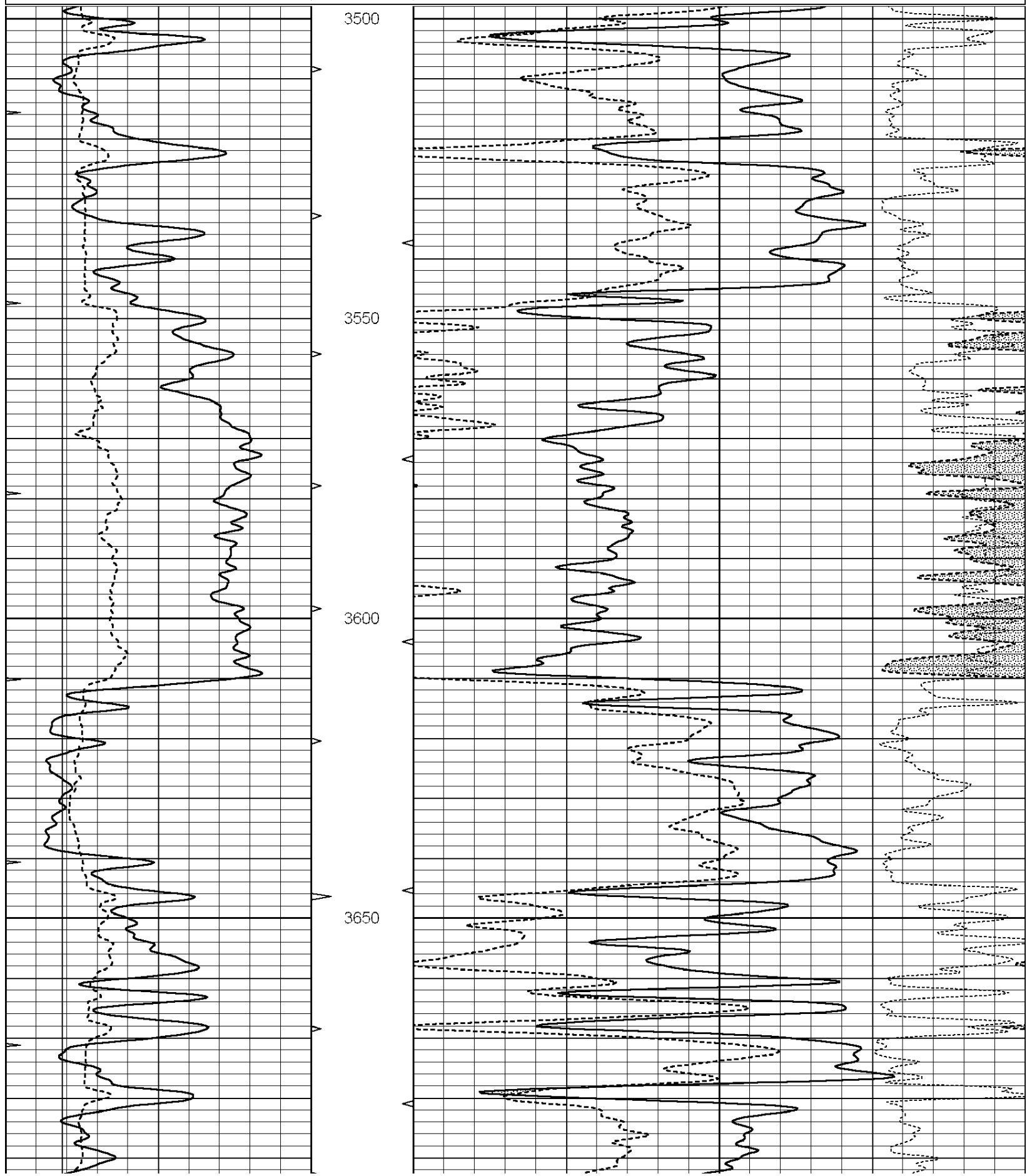
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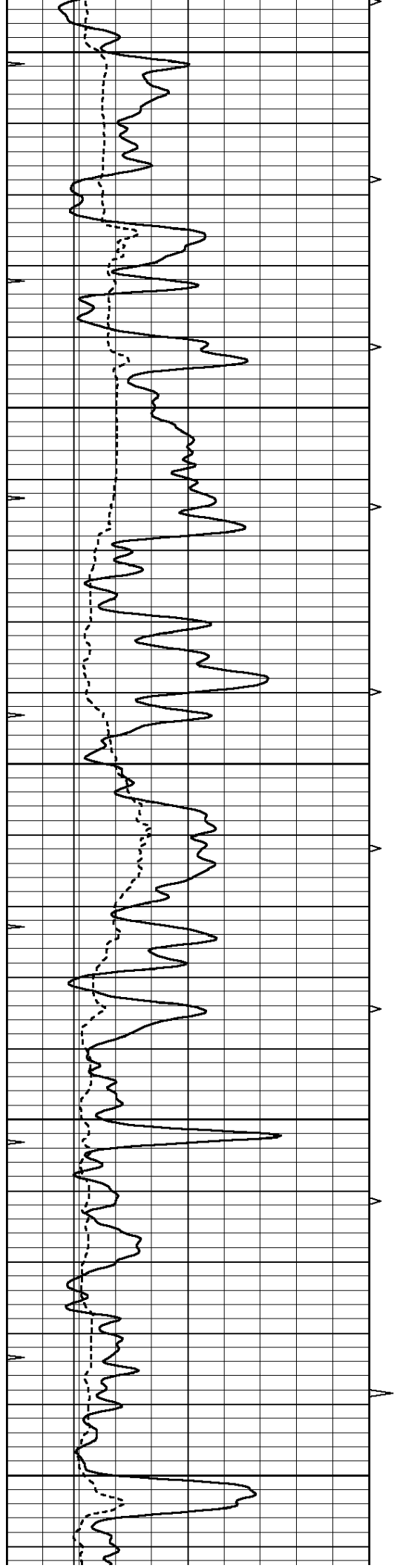
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: FORT DODGE, KS - EAST TO RD 117 - SOUTH TO SADDLE RD
1 MILE EAST - 1 MILE SOUTH - 3/4 MILE EAST - SOUTH INTO

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			





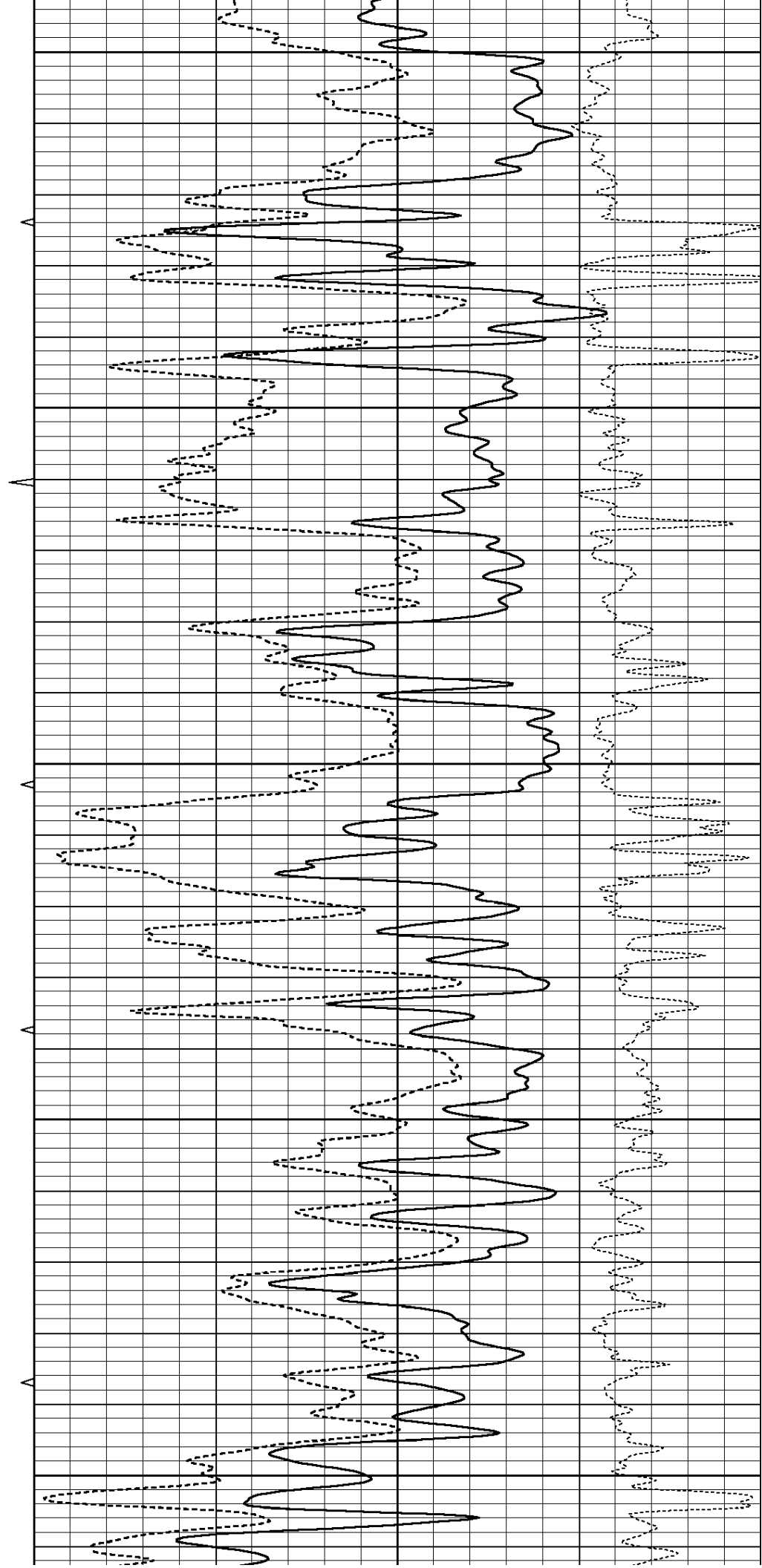
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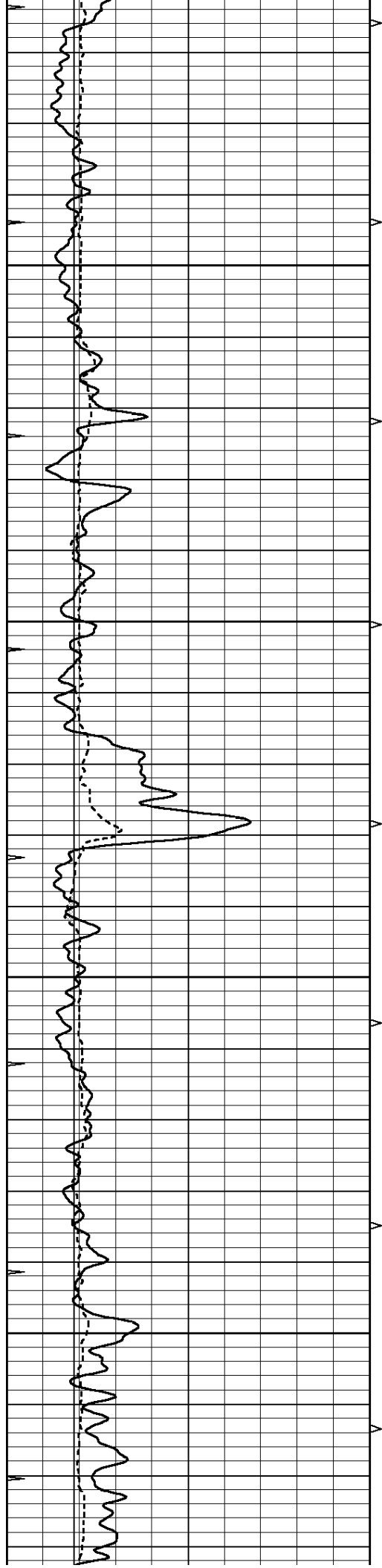
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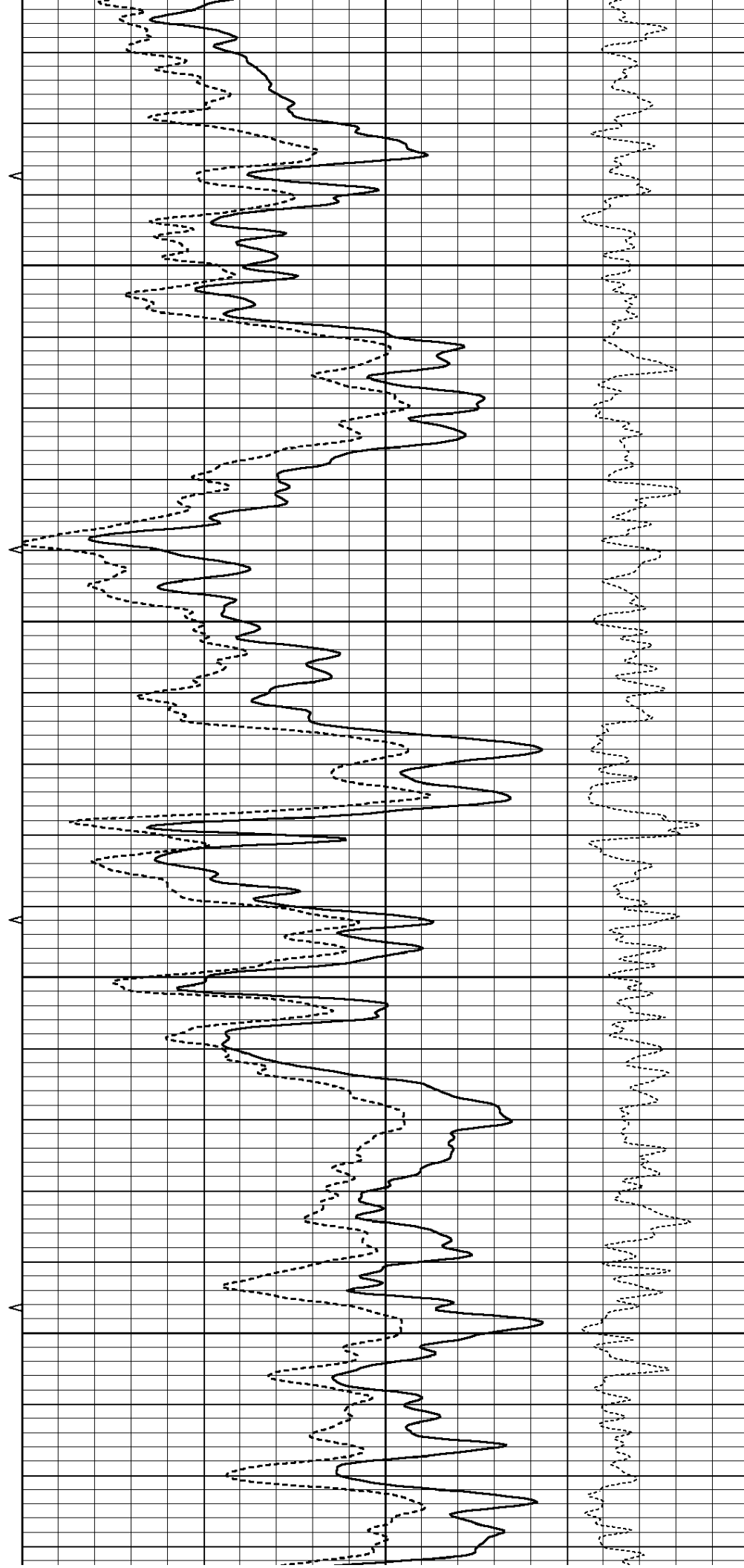


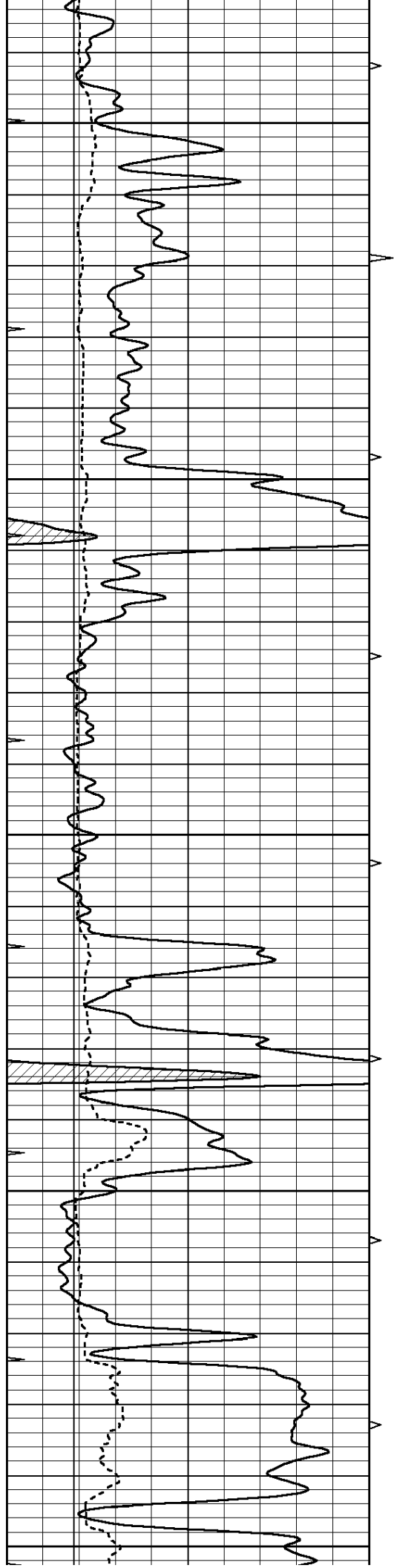
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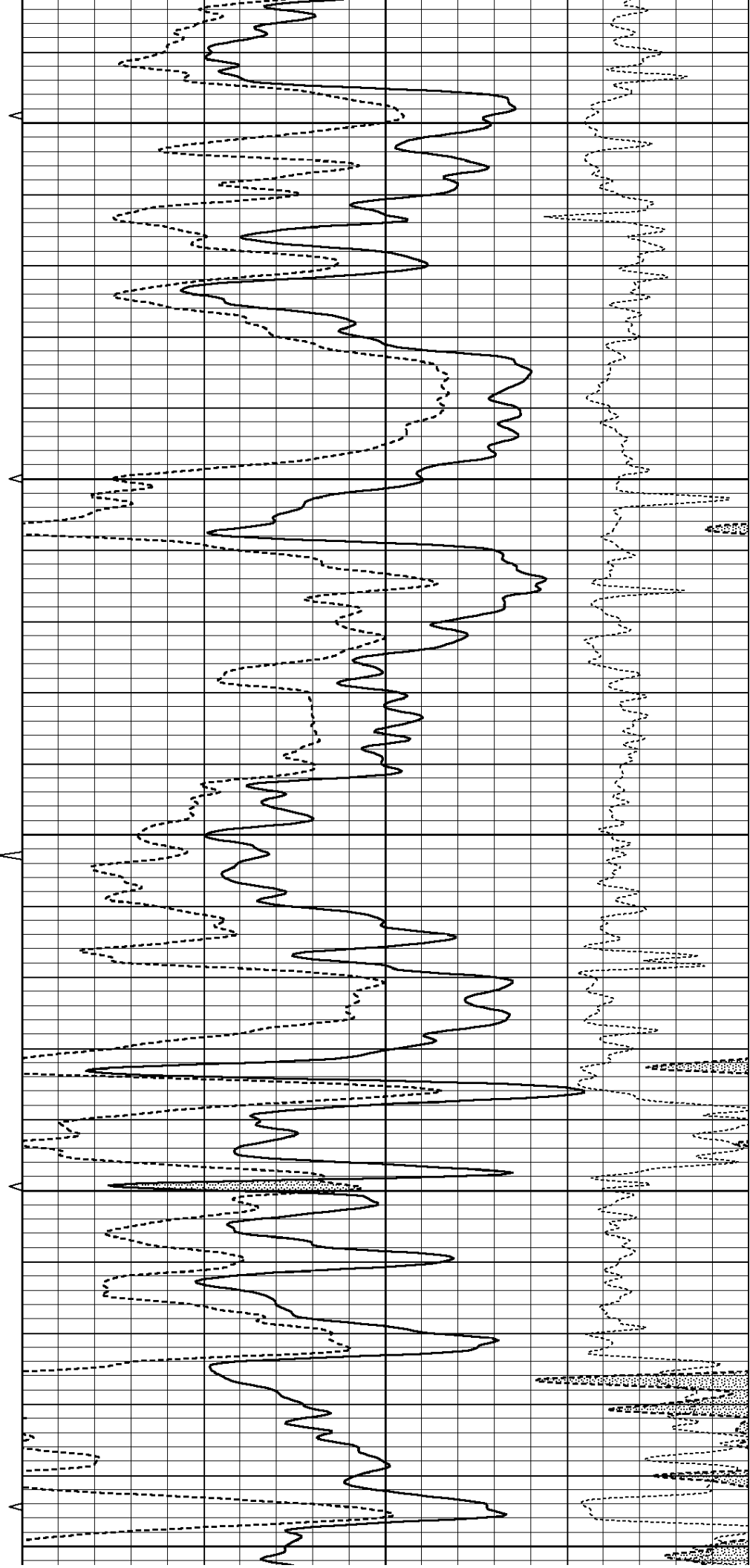
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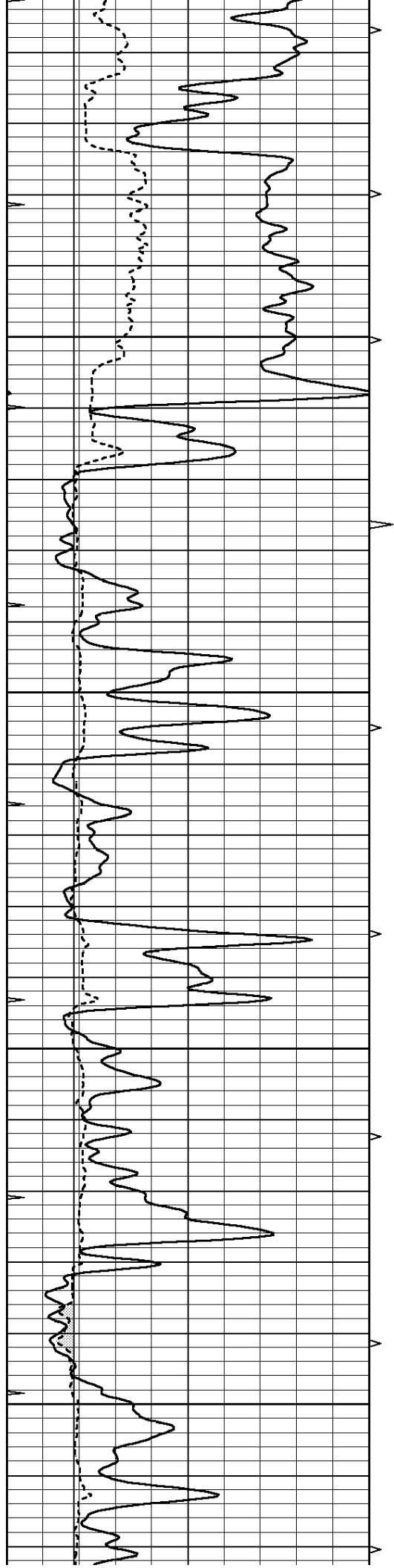
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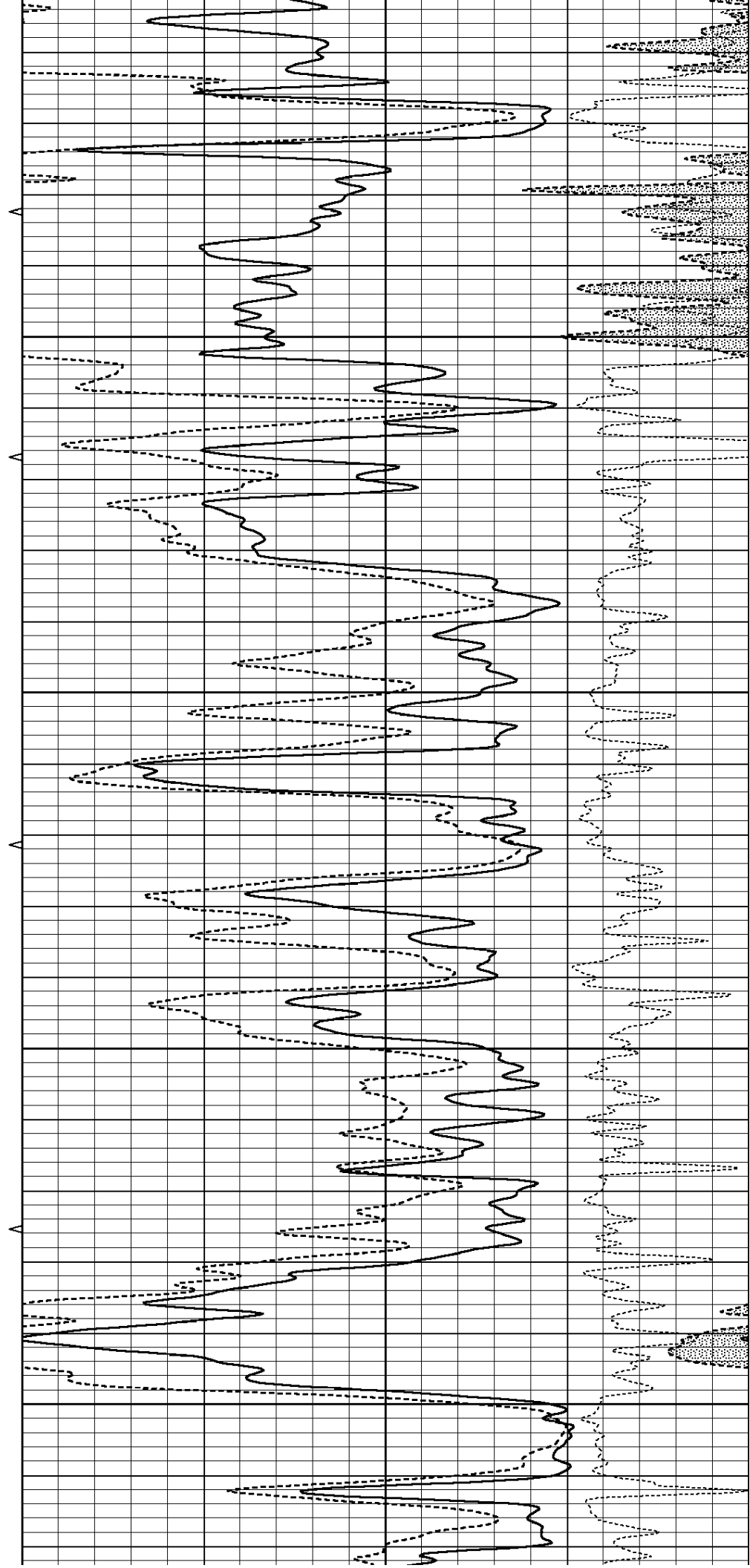


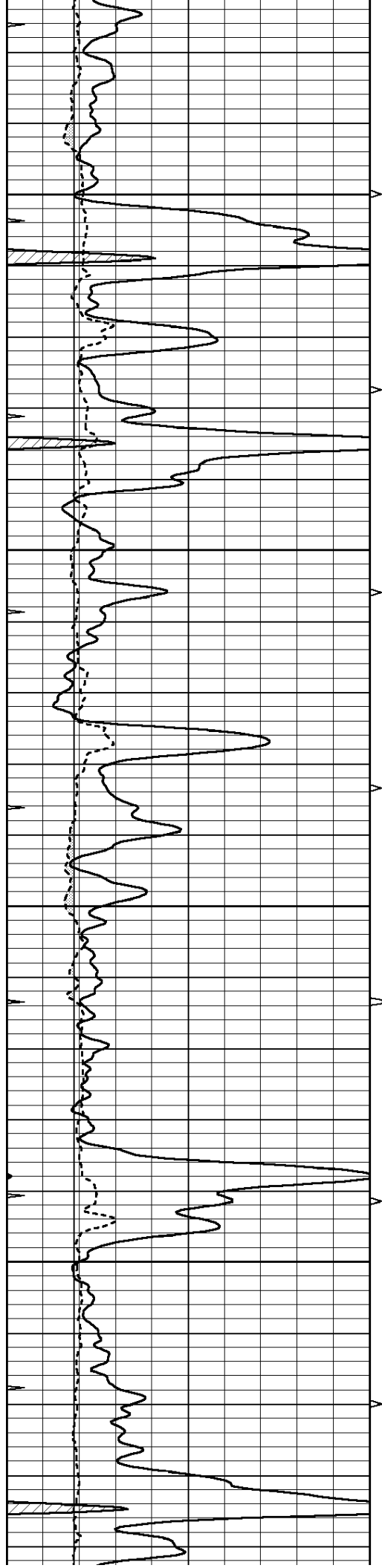
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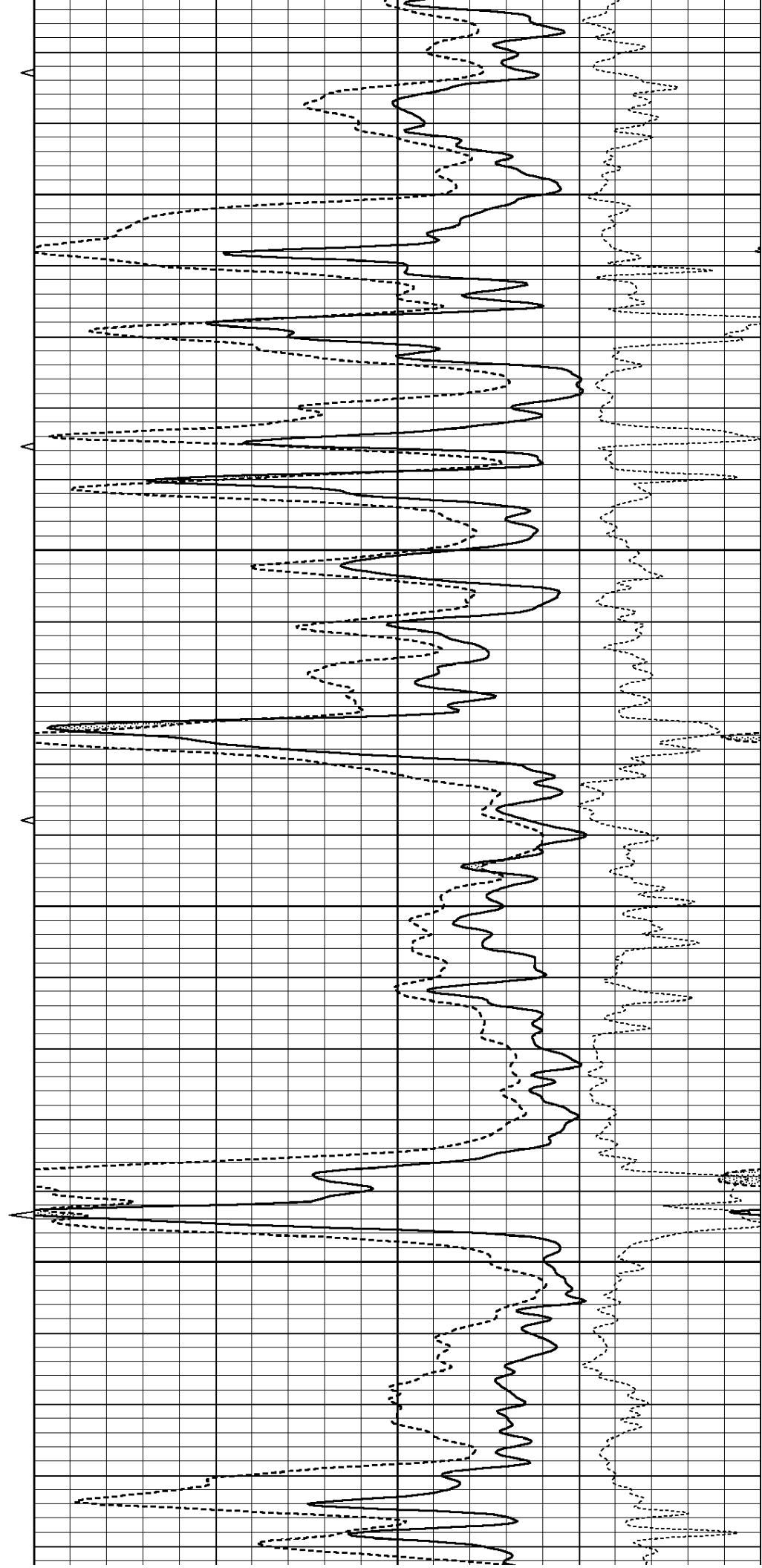


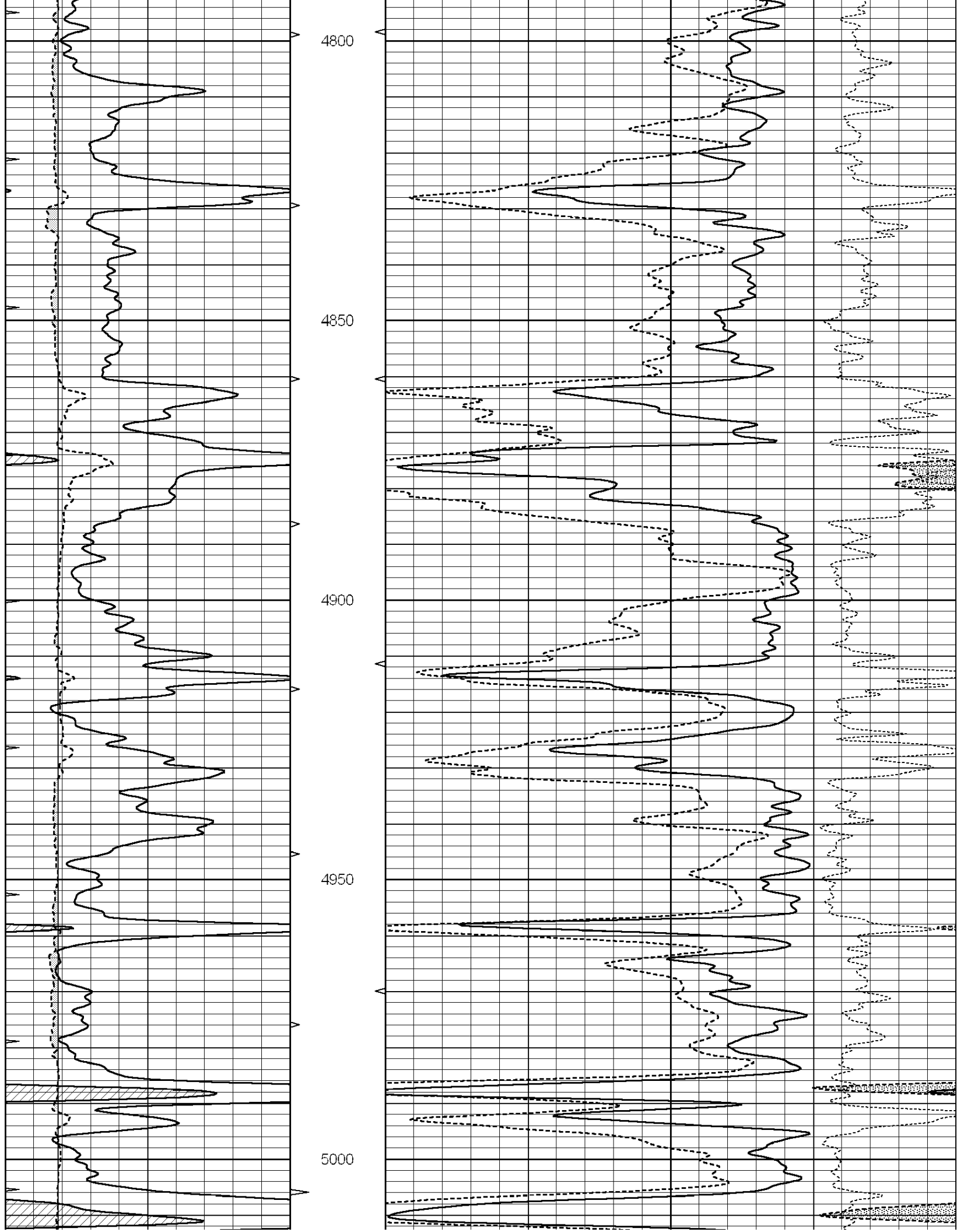
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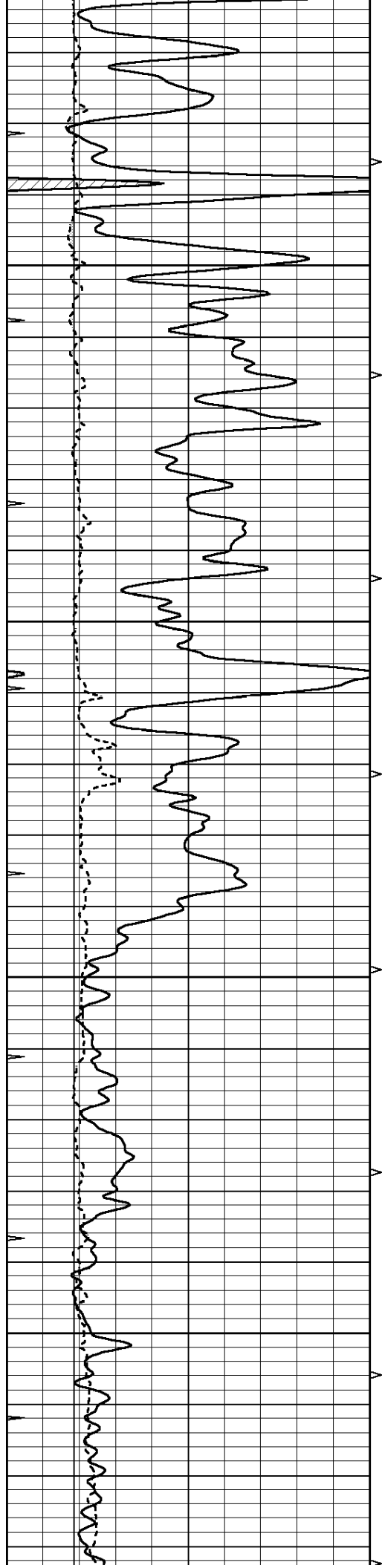
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