



SONIC LOG

Company	PETROLEUM DEVELOPMENT COMPANY	Company	PETROLEUM DEVELOPMENT COMPANY
Well	ENGLER FARMS #1-14	Well	ENGLER FARMS #1-14
Field		Field	
County	KEARNEY	County	KEARNEY
State	KANSAS	State	KANSAS
Location:	API # : 15-093-21981-0000 1943' FNL & 906' FEL	Other Services CDL/CNL/PE DIL/MEL	
Permanent Datum	SEC 14 TWP 22S RGE 35W	Elevation	
Log Measured From	GROUND LEVEL Elevation 3020	K.B. 3031	
Drilling Measured From	KELLY BUSHING 11' A.G.L. KELLY BUSHING	D.F. 3029	
		G.L. 3020	
Date	4/19/21		
Run Number	TWO		
Depth Driller	5000		
Depth Logger	5002		
Bottom Logged Interval	4992		
Top Log Interval	1800		
Casing Driller	8 5/8" @ 1838'		
Casing Logger	1828'		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4700 PPM	
Density / Viscosity	9.3/56		
pH / Fluid Loss	10.5/7.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.90 @ 60F		
Rmf @ Meas. Temp	.67 @ 60F		
Rmc @ Meas. Temp	1.08 @ 60F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.43 @ 125F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	125F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	KEN LeBLANC	COLE HINDS	

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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

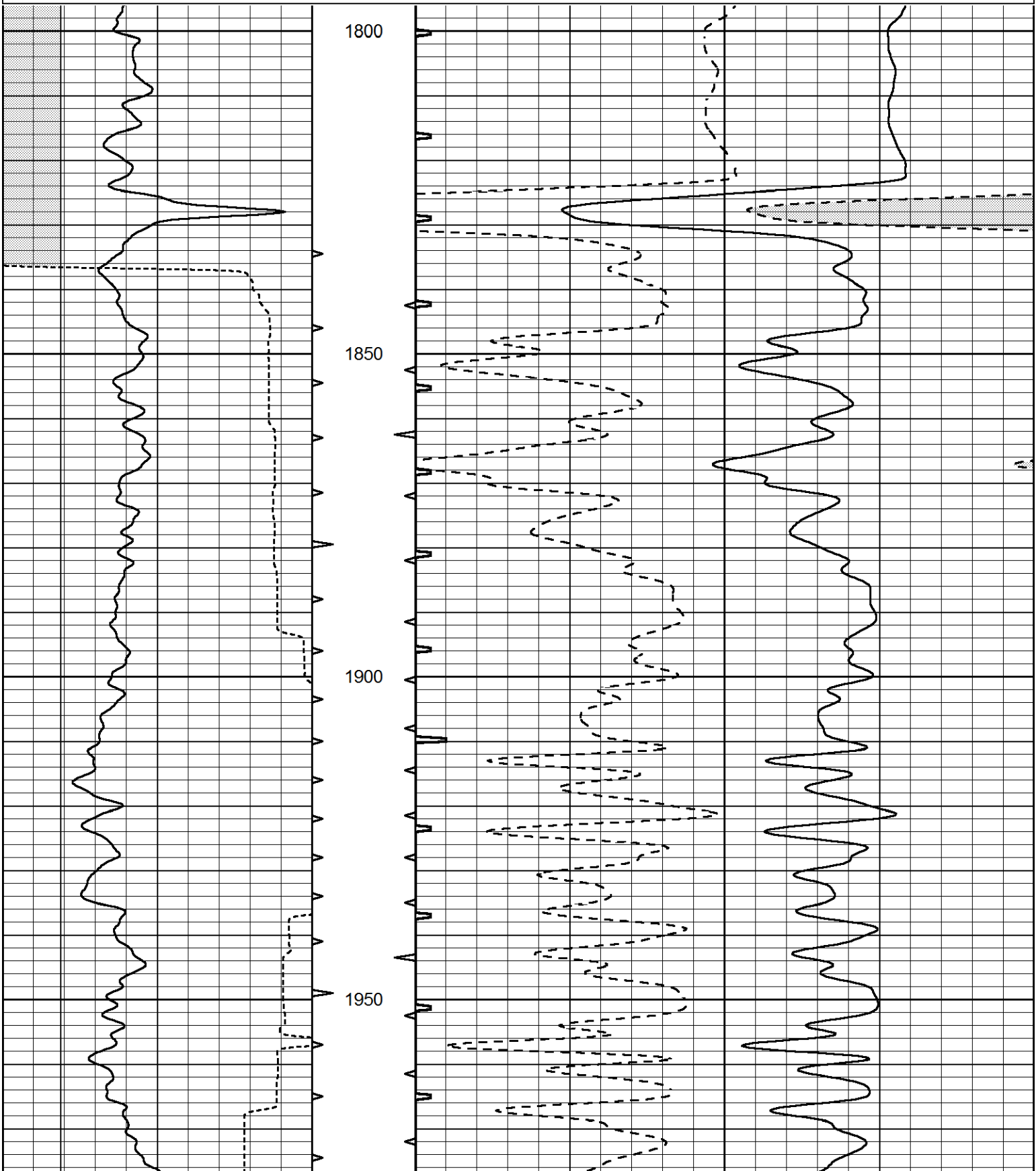
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
GARDEN CITY, KS. - WEST ON HWY 50 TO COUNTY LINE - 1 WEST TO AA RD.
9 1/2 NORTH - WEST INTO

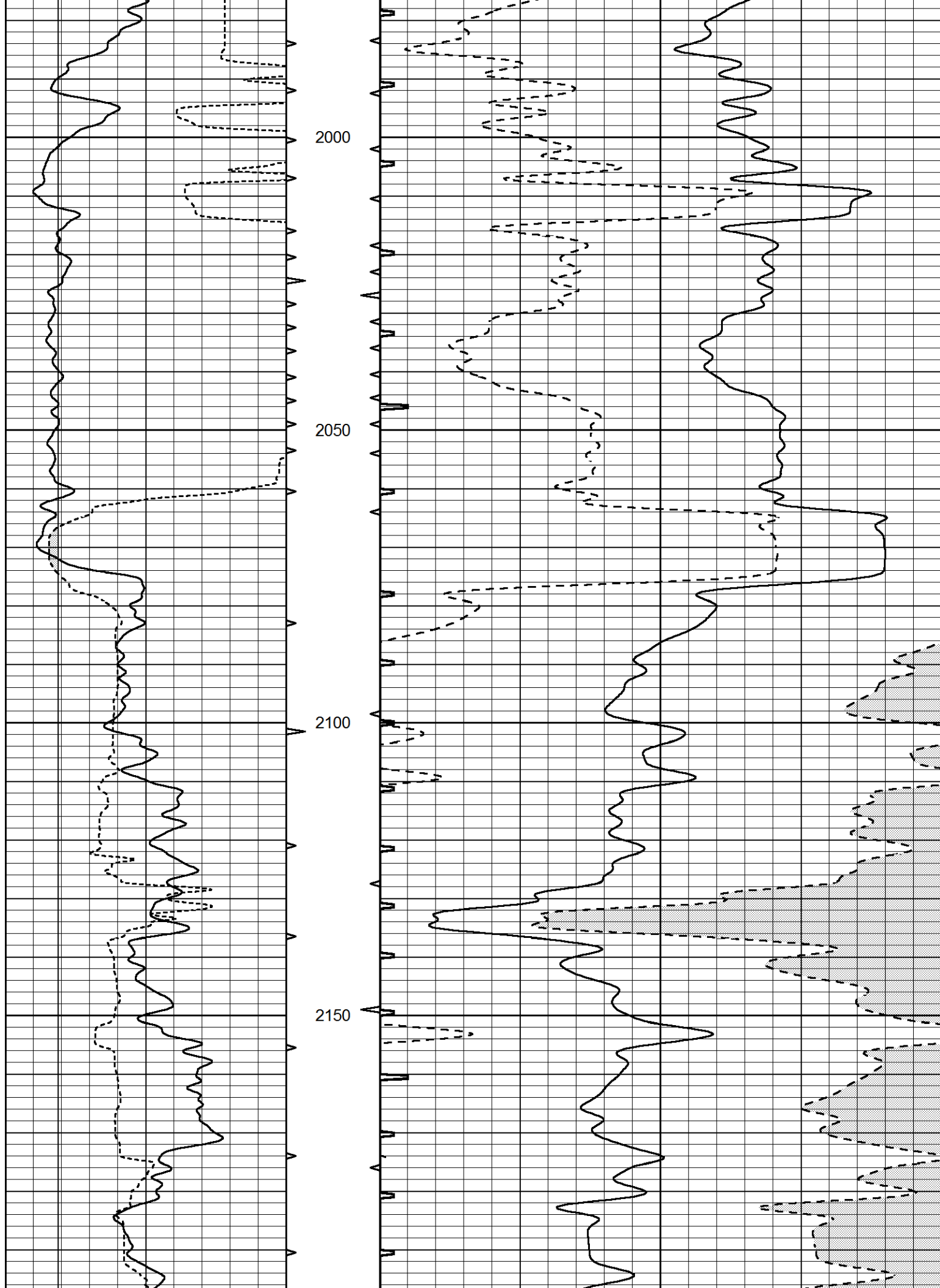


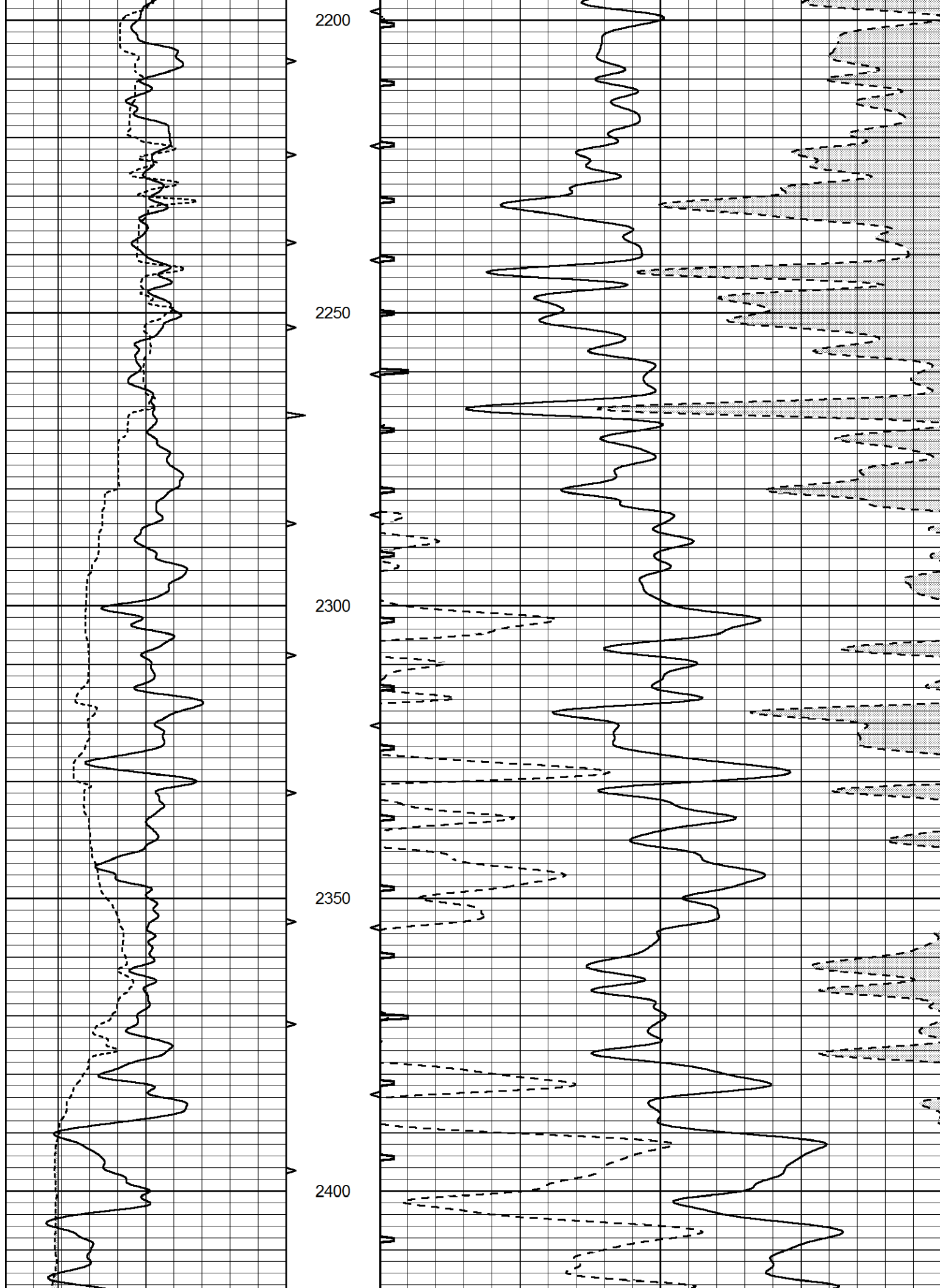
MAIN SECTION

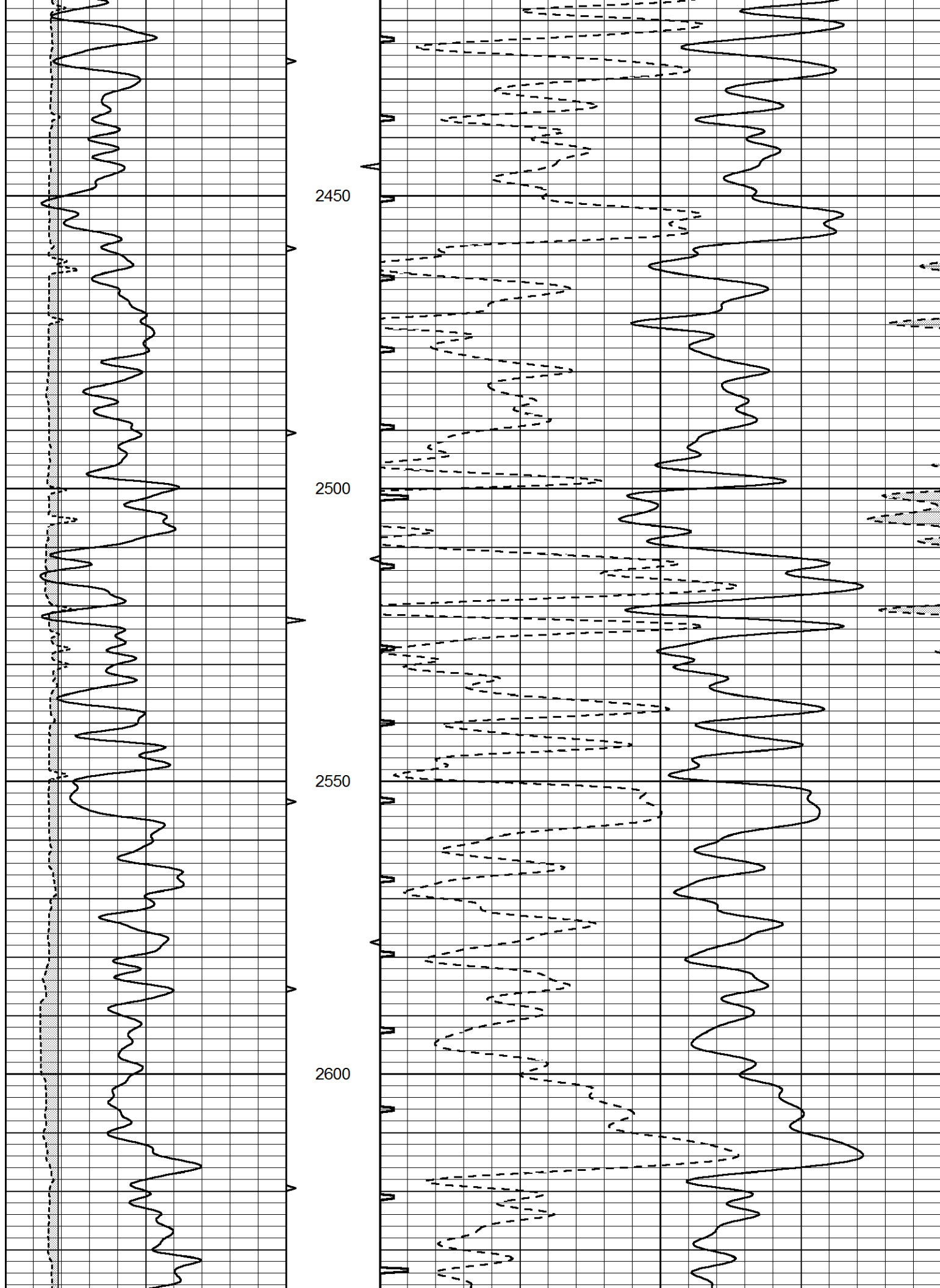
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Presentation Format	_slt
Dataset Creation	Mon Apr 19 20:13:55 2021
Charted by	Depth in Feet scaled 1:240

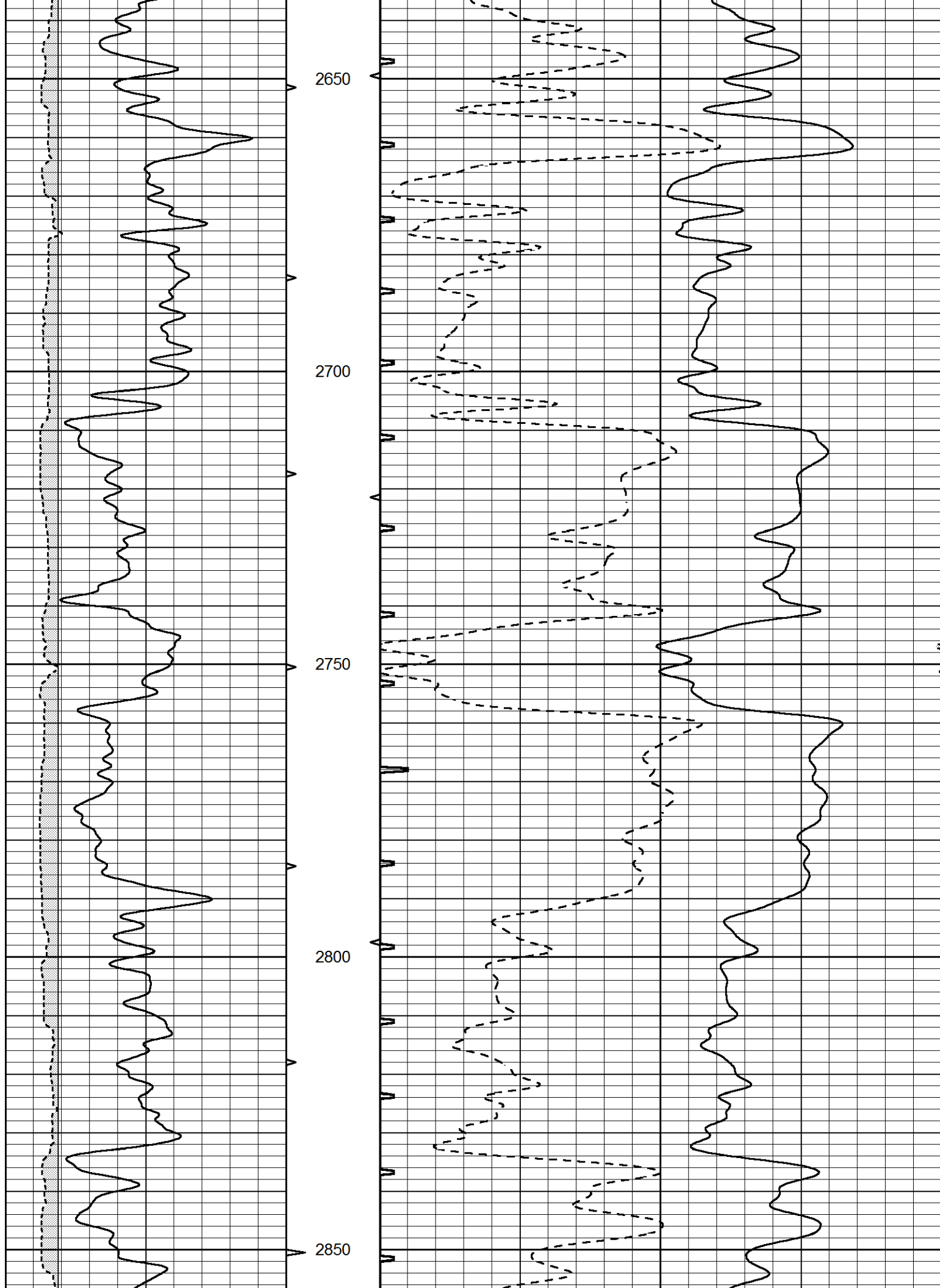
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6	CALIPER (in)	16	10 (ft3)	0	30	SONIC POROSITY (pu)		-10
			TBHV	0	ITT (msec)		20	
			0 (ft3)	10				

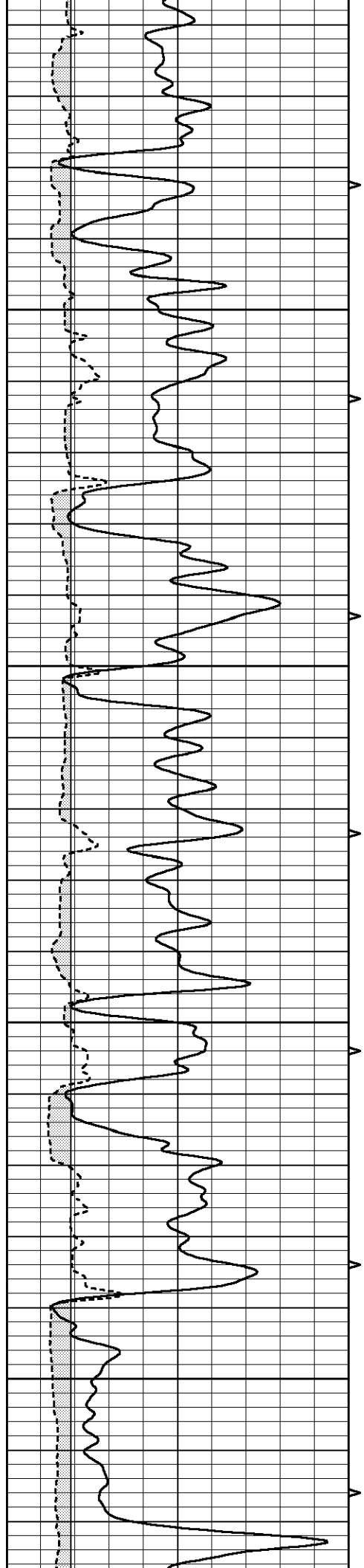










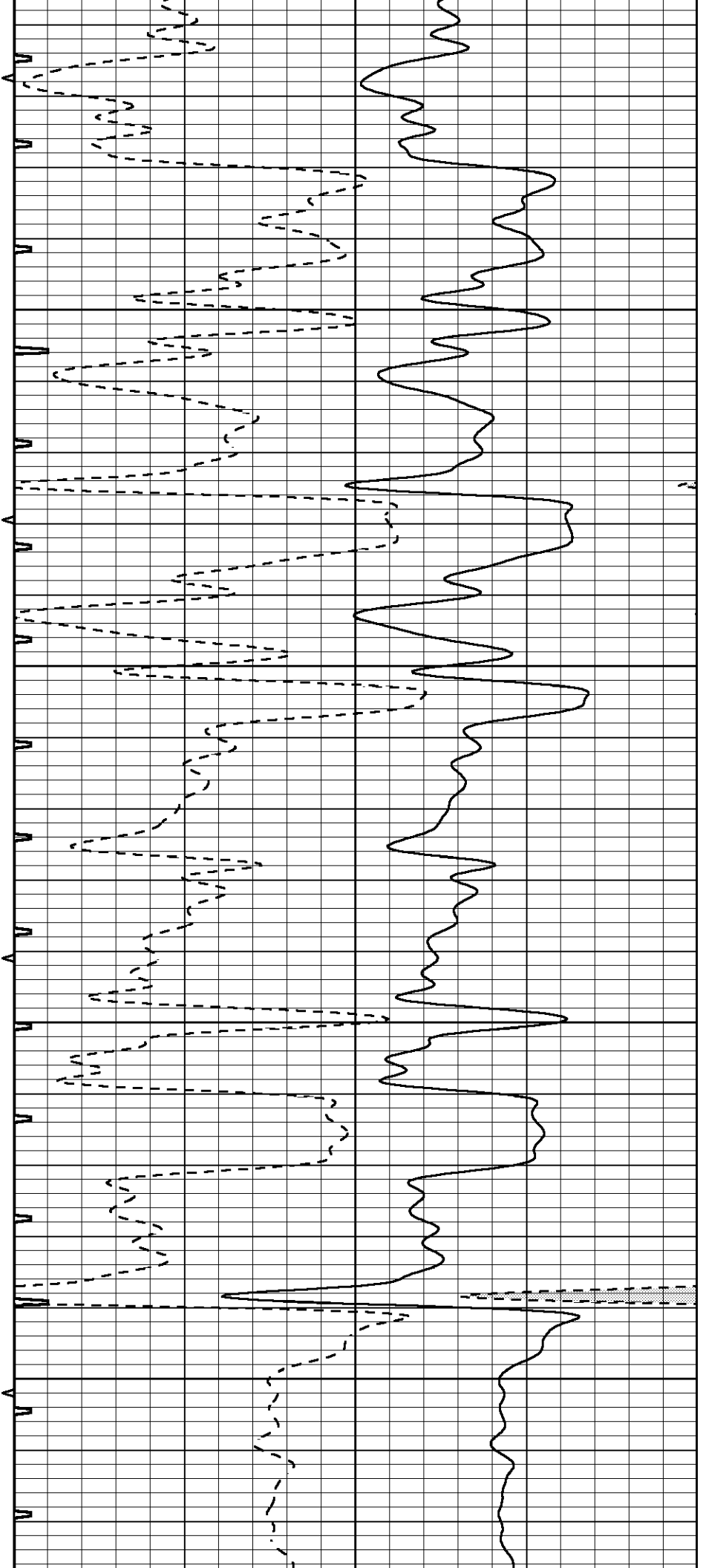


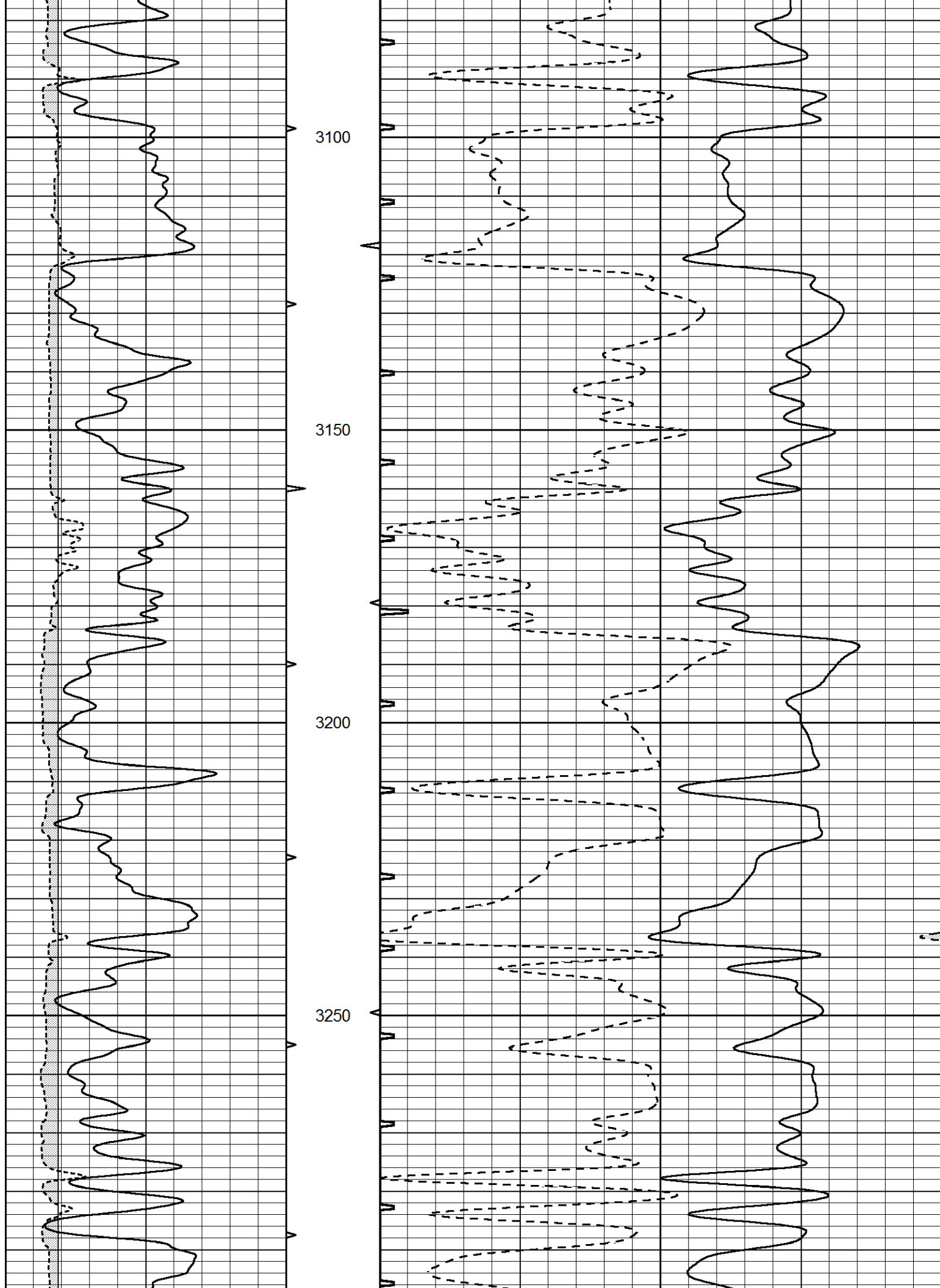
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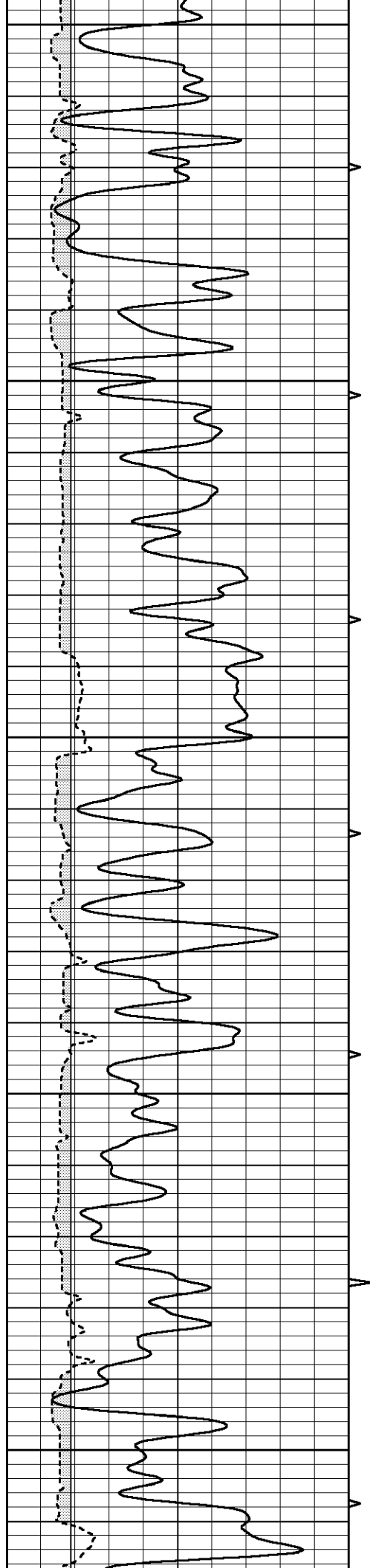
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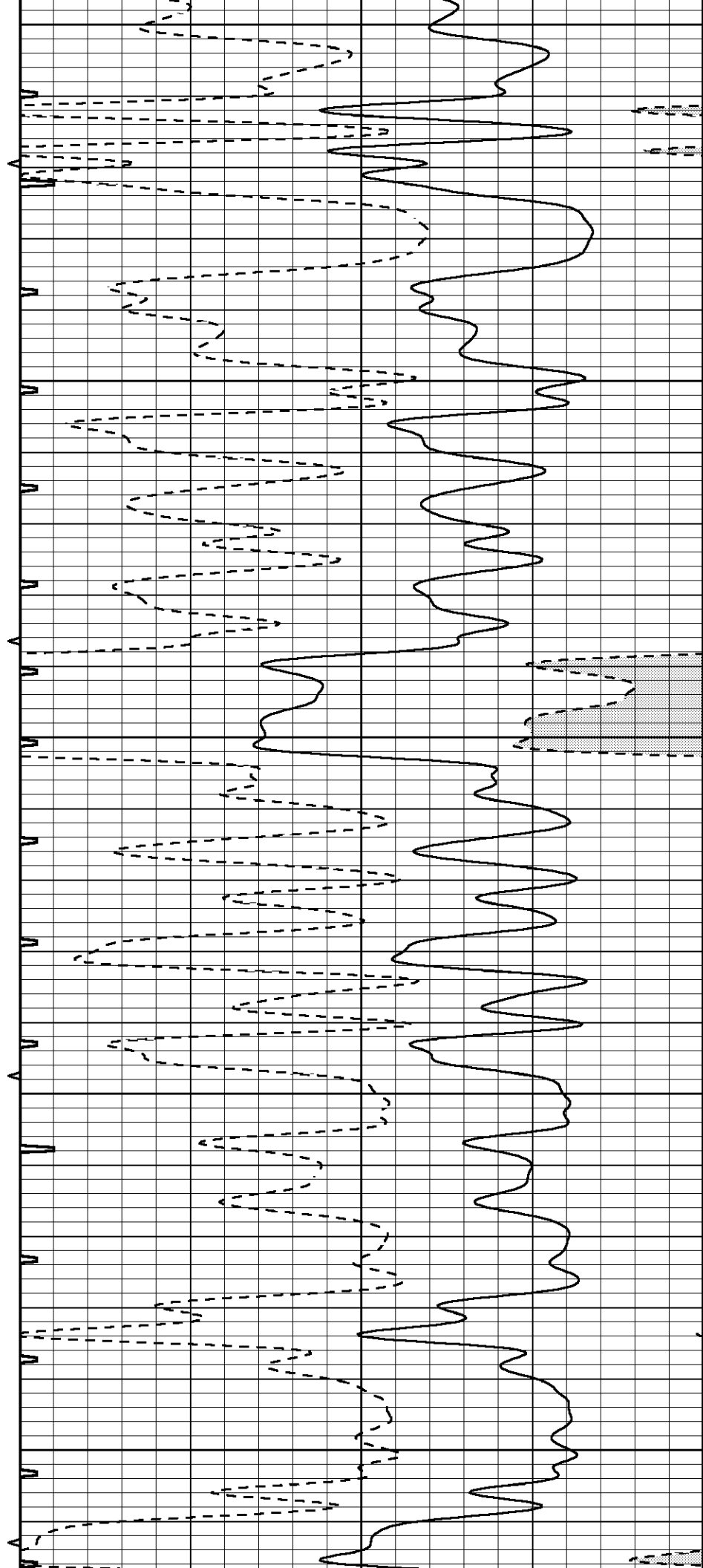
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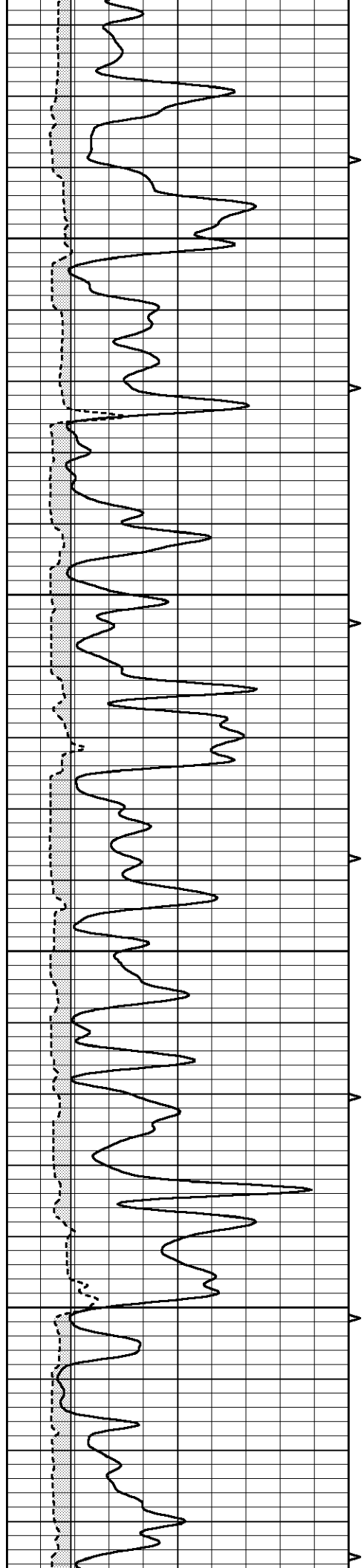
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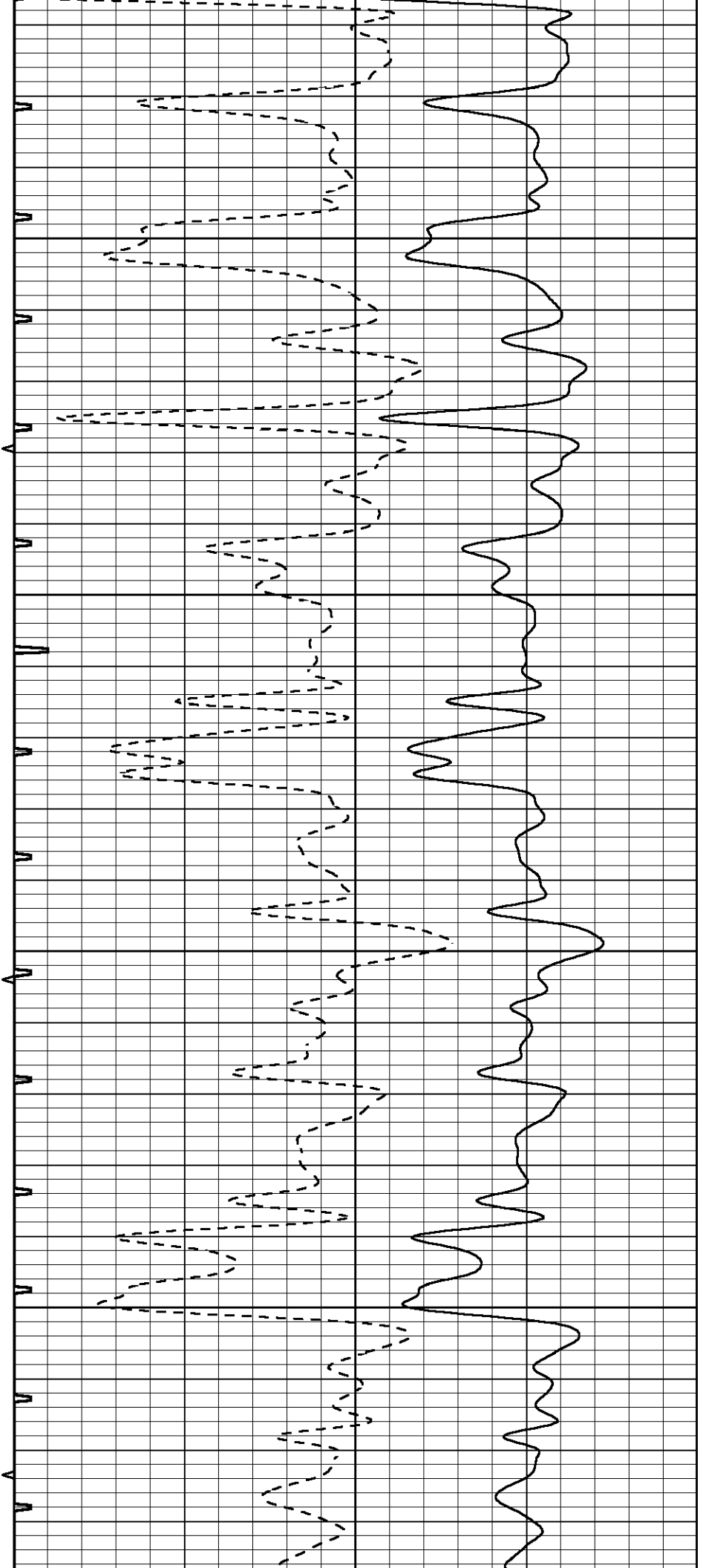


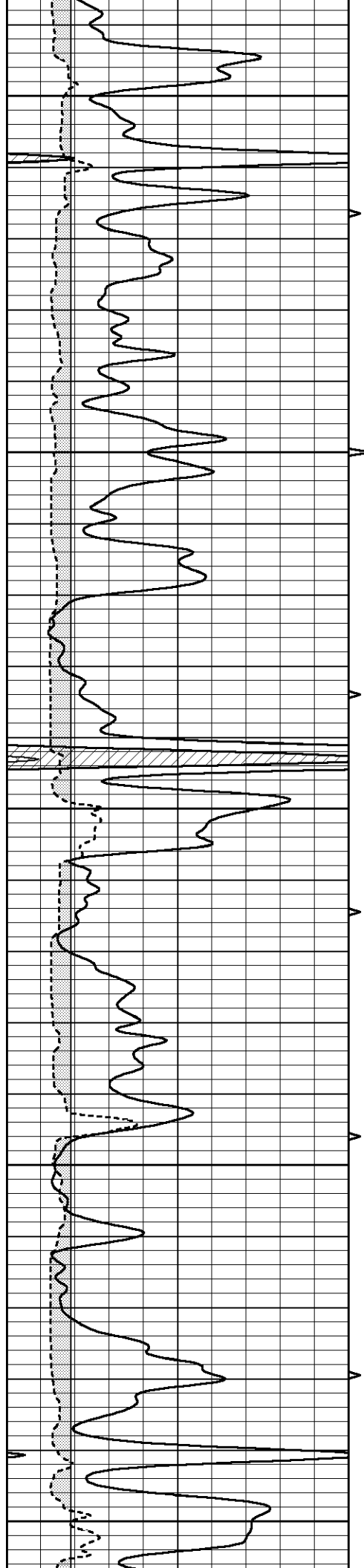
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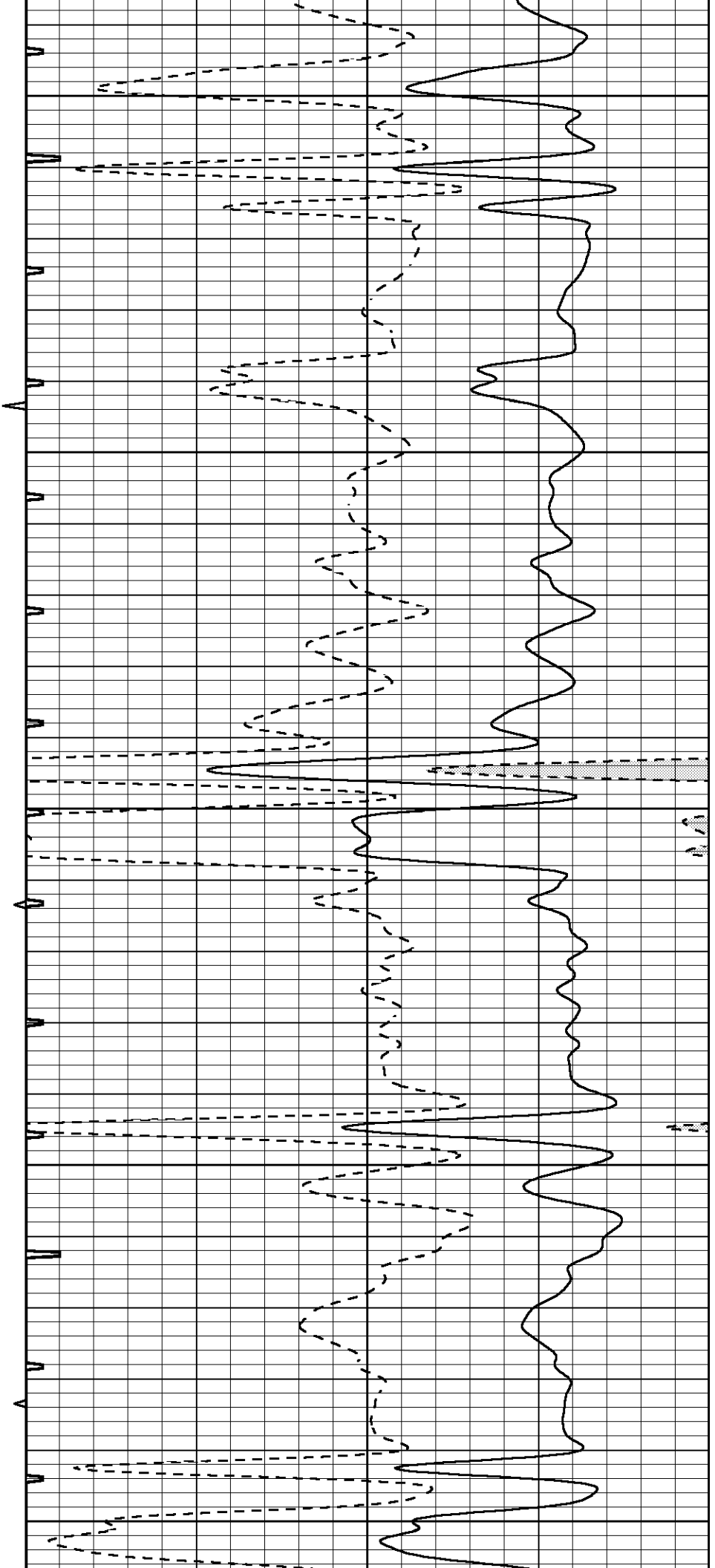
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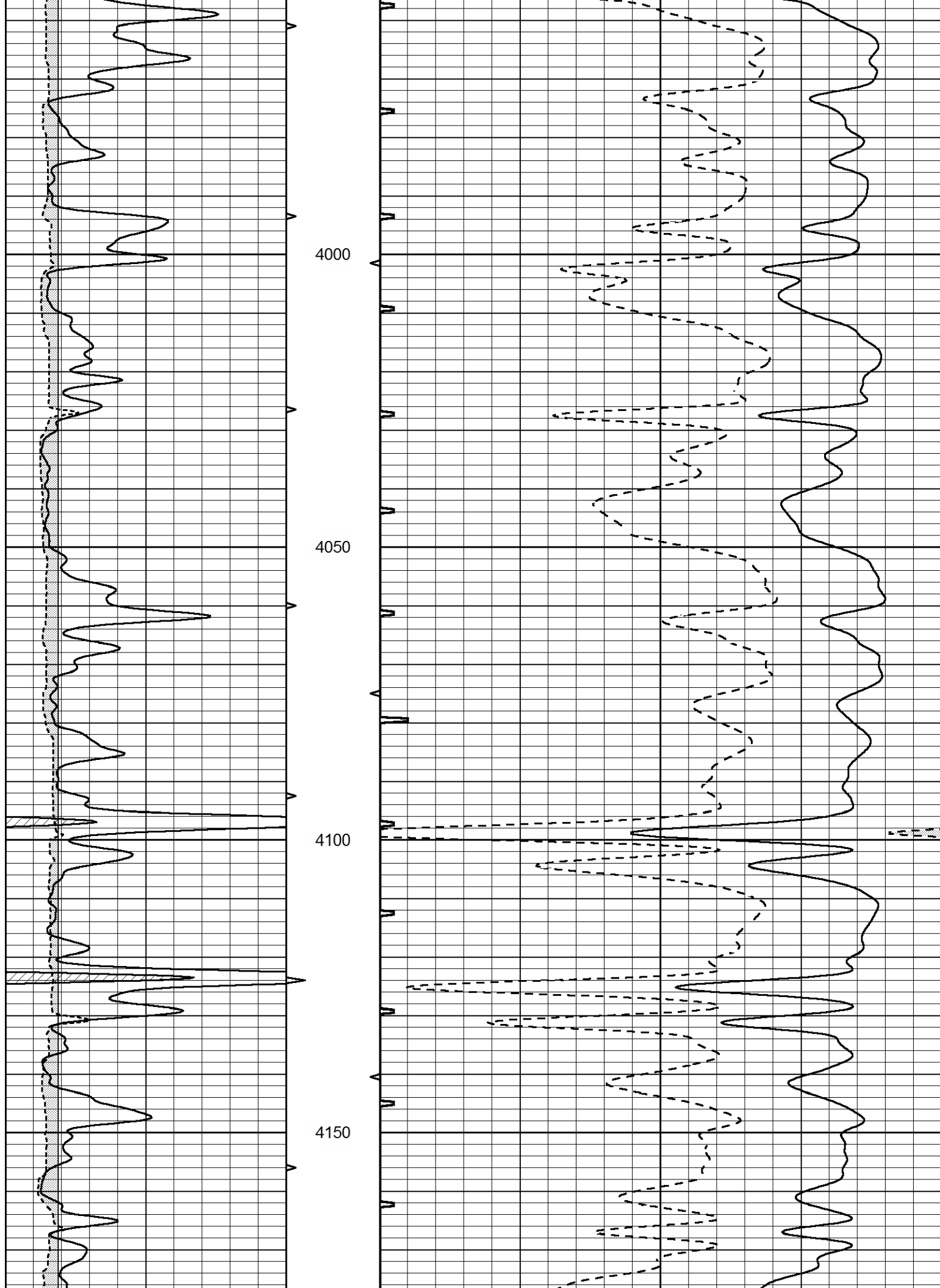
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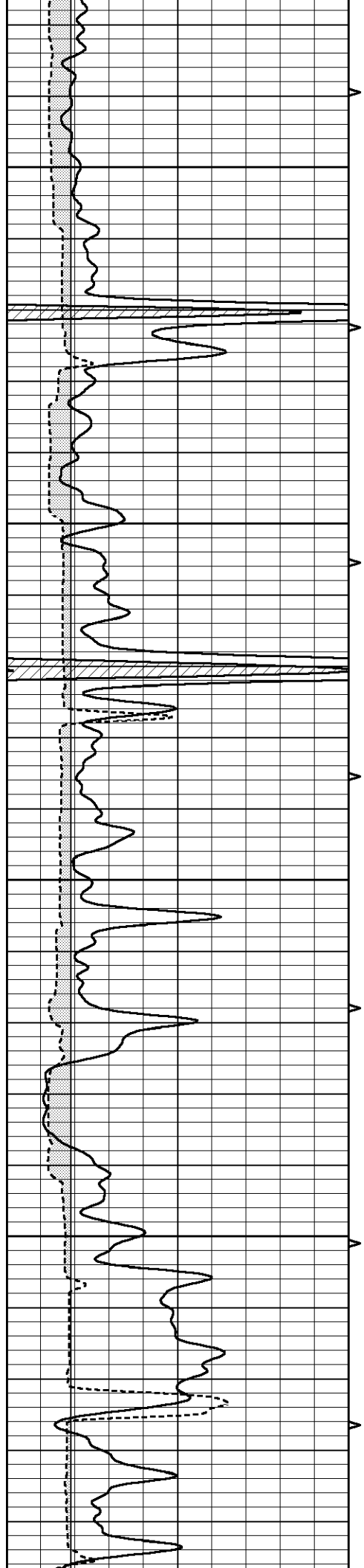
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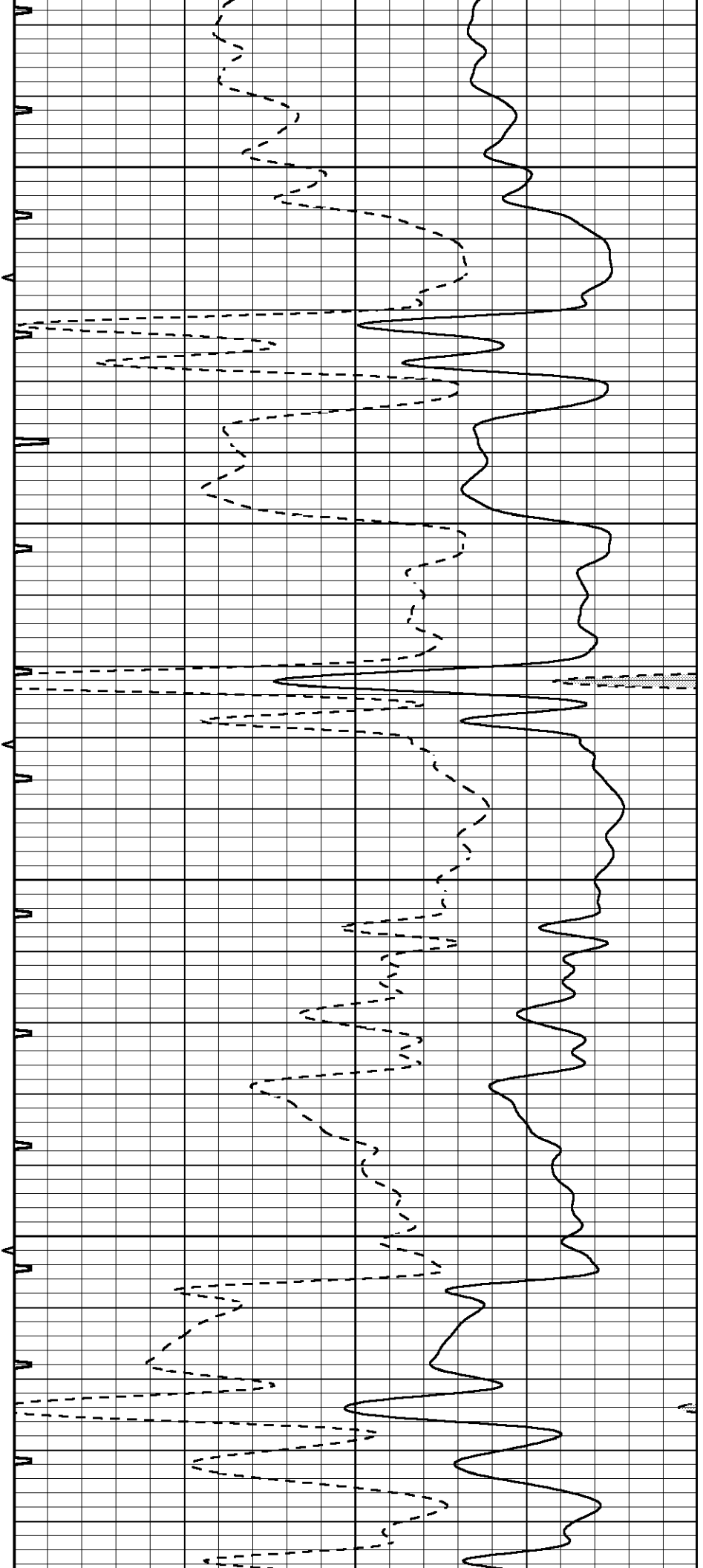


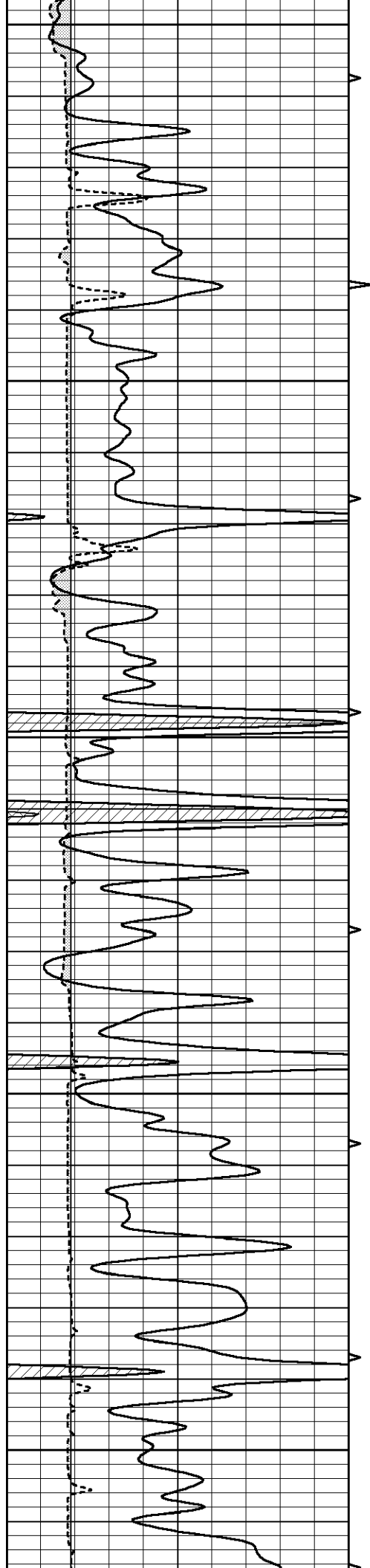
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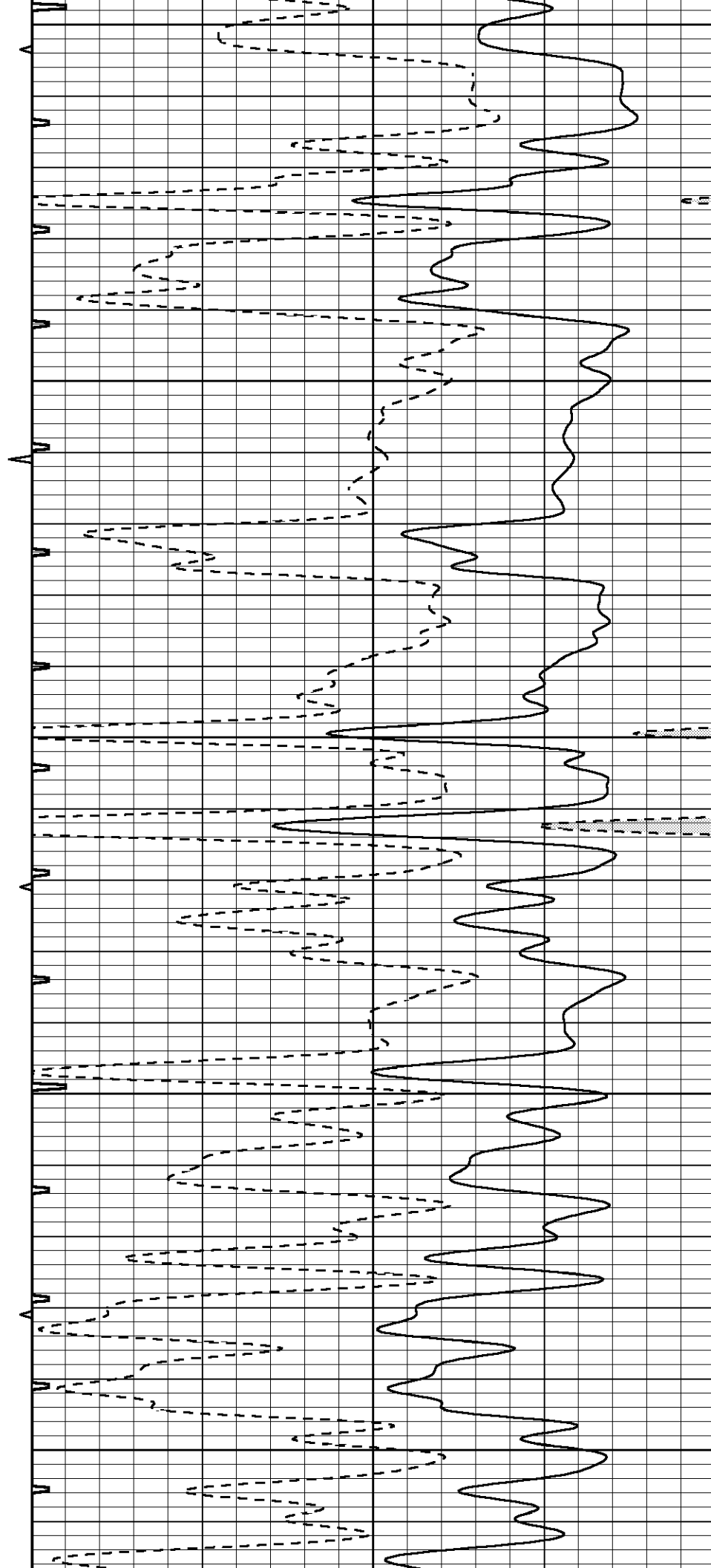
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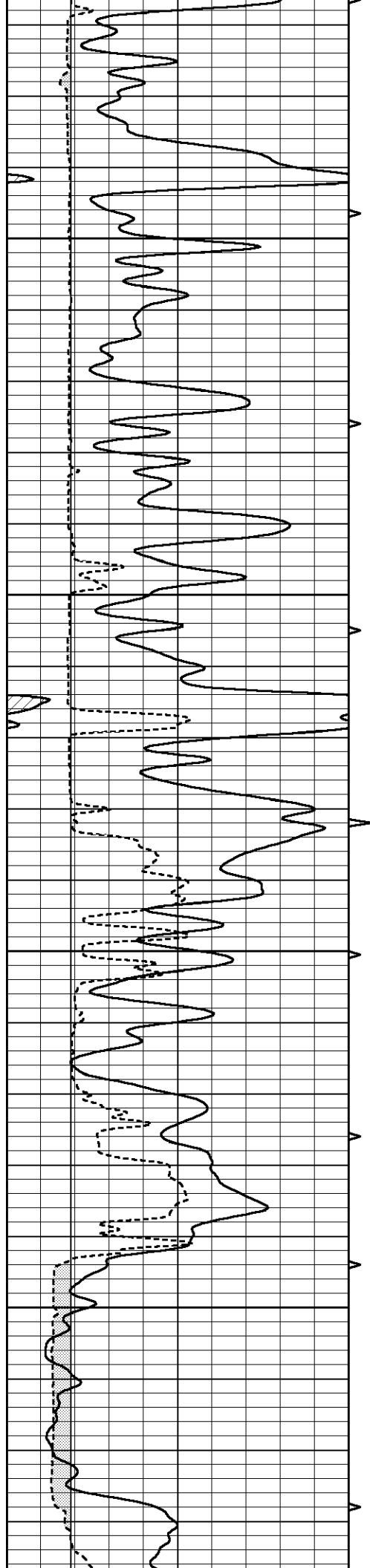
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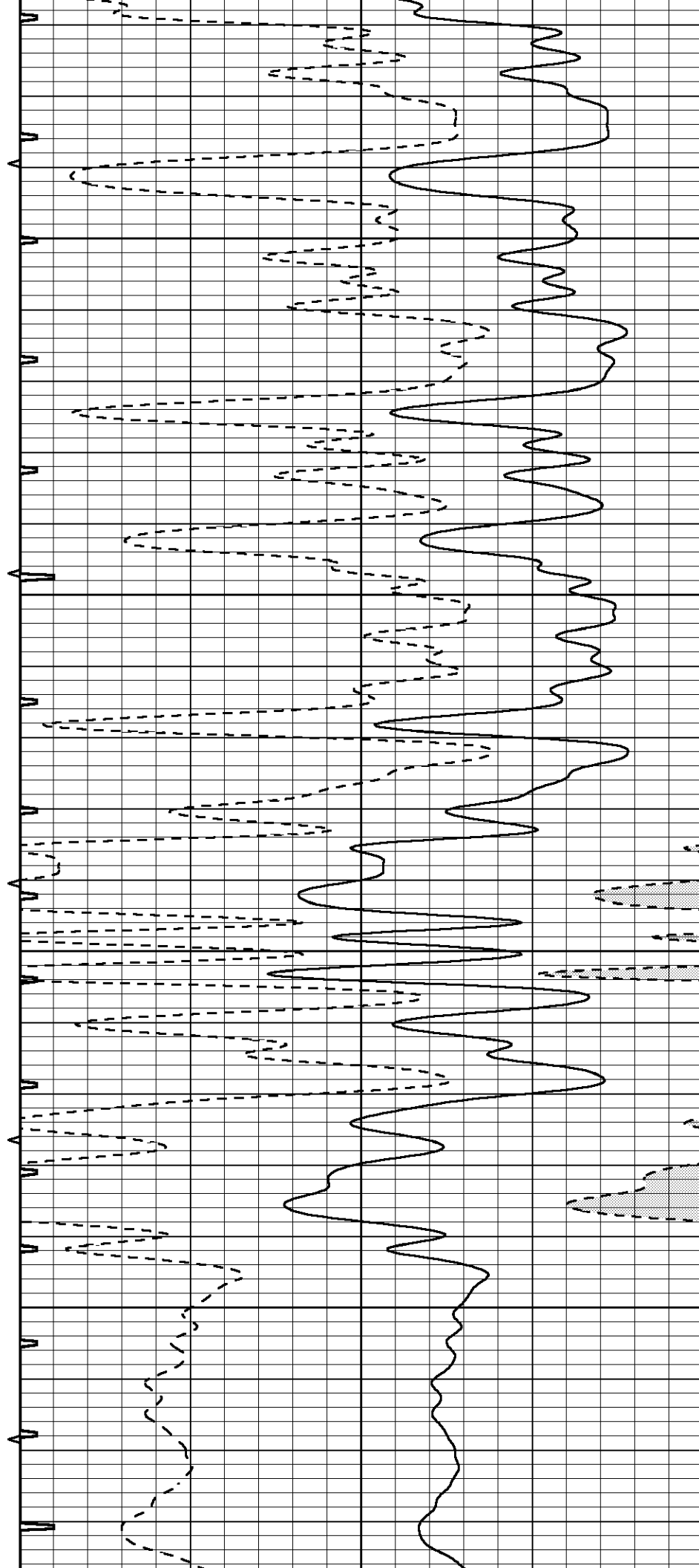


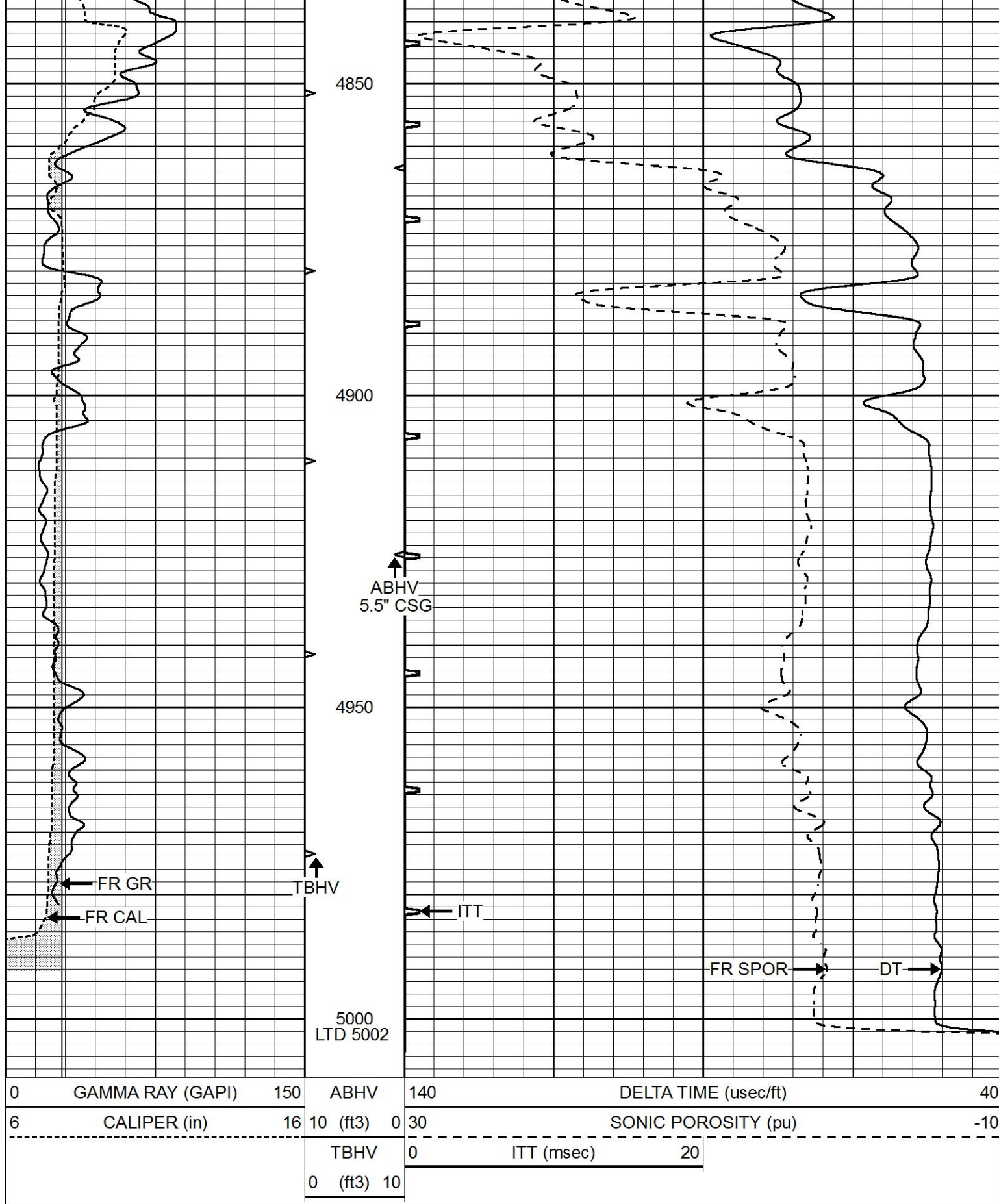
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4800





REPEAT SECTION

Database File	5214pe.db
Dataset Pathname	pass6.1
Presentation Format	_slt
Dataset Creation	Mon Apr 19 20:37:18 2021
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)	-10
			TBHV	0	ITT (msec)	20
			0 (ft3) 10			

