



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**SONIC
LOG**

Company		LD DRILLING, INC.	
Well		QUIVERA RANCH #1-34	
Field		SLEEPER SOUTH	
County		STAFFORD	
State		KANSAS	
Location:		API # : 15-185-23784-0000	
Permanent Datum		GROUND LEVEL Elevation 1793	
Log Measured From		662' FNL & 2290' FWL NW - SE - NE - NW	
Drilling Measured From		SEC 34 TWP 22S RGE 11W KELLY BUSHING 5' A.G.L. KELLY BUSHING	
Other Services		CDL/CNL DIL/MEL	
Elevation		K.B. 1798 D.F. 1796 G.L. 1793	
Date	1/7/13		
Run Number	TWO		
Depth Driller	3730		
Depth Logger	3728		
Bottom Logged Interval	3718		
Top Log Interval	300		
Casing Driller	8 5/8" @ 343'		
Casing Logger	345'		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8000 PPM	
Density / Viscosity	9.4/48		
pH / Fluid Loss	8.5/12.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.65 @ 50F		
Rmt @ Meas. Temp	0.49 @ 50F		
Rmc @ Meas. Temp	0.78 @ 50F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	0.29 @ 111F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	111F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF GRONEWEG		
Witnessed By	JOSH AUSTIN		

<<< Fold Here >>>

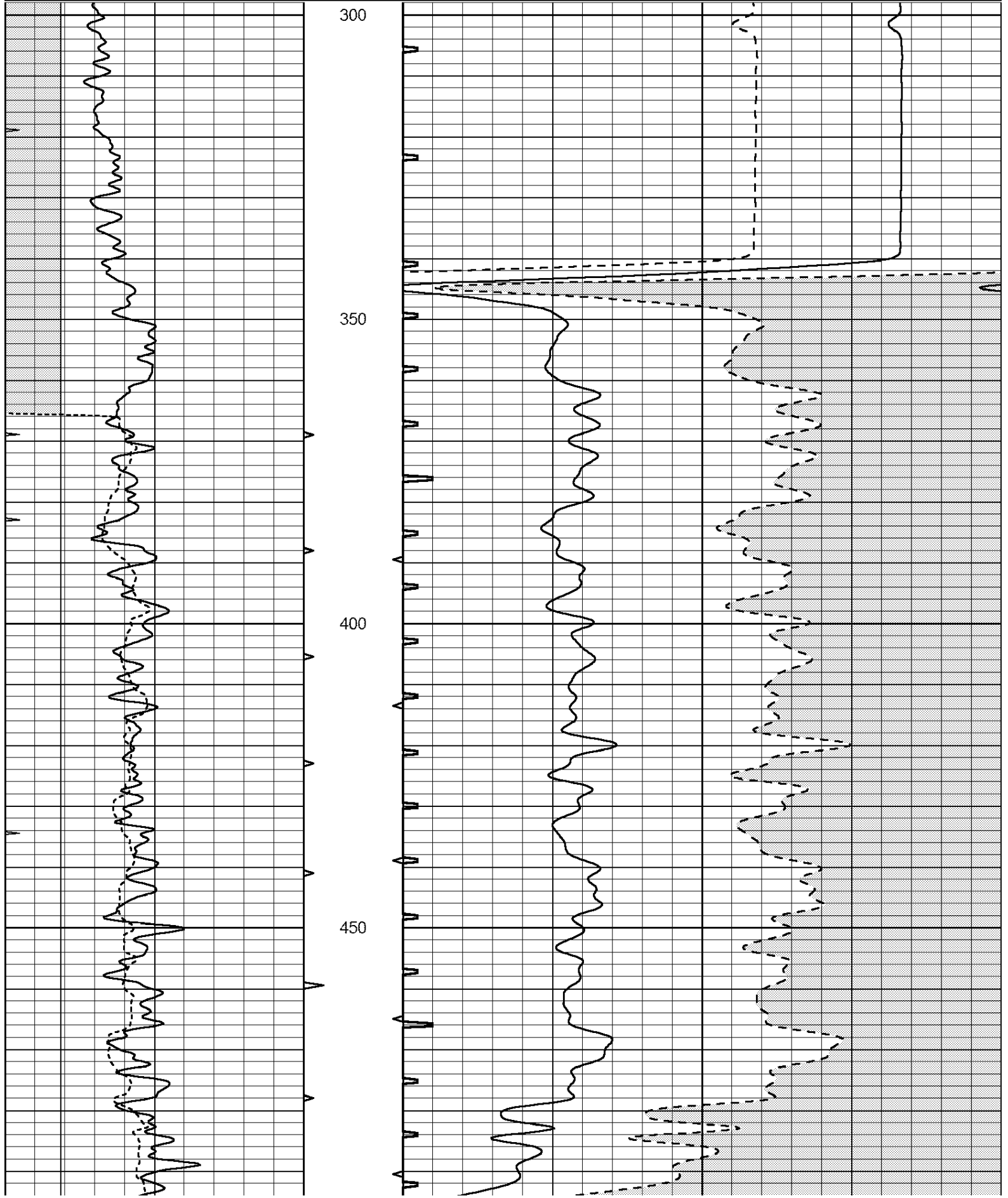
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

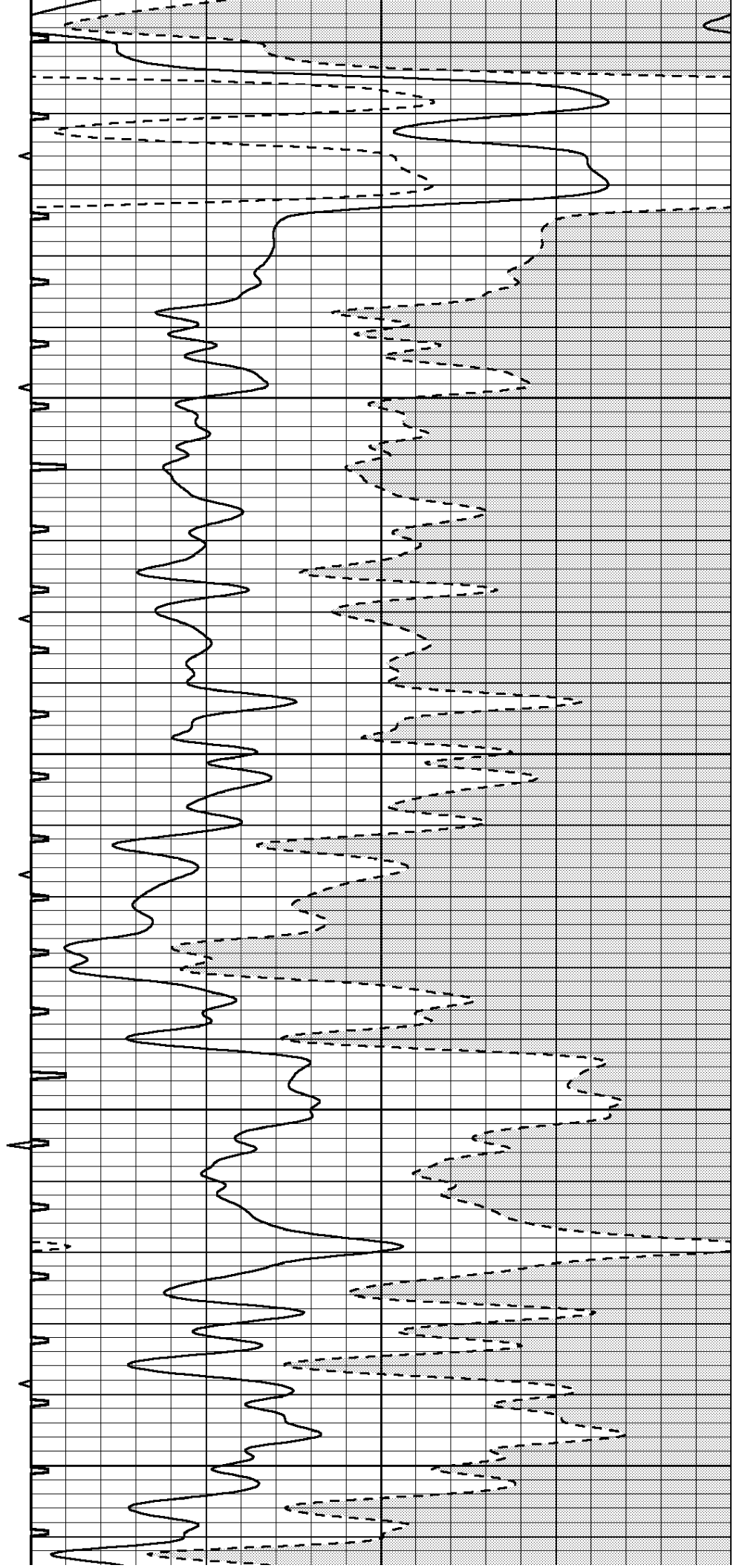
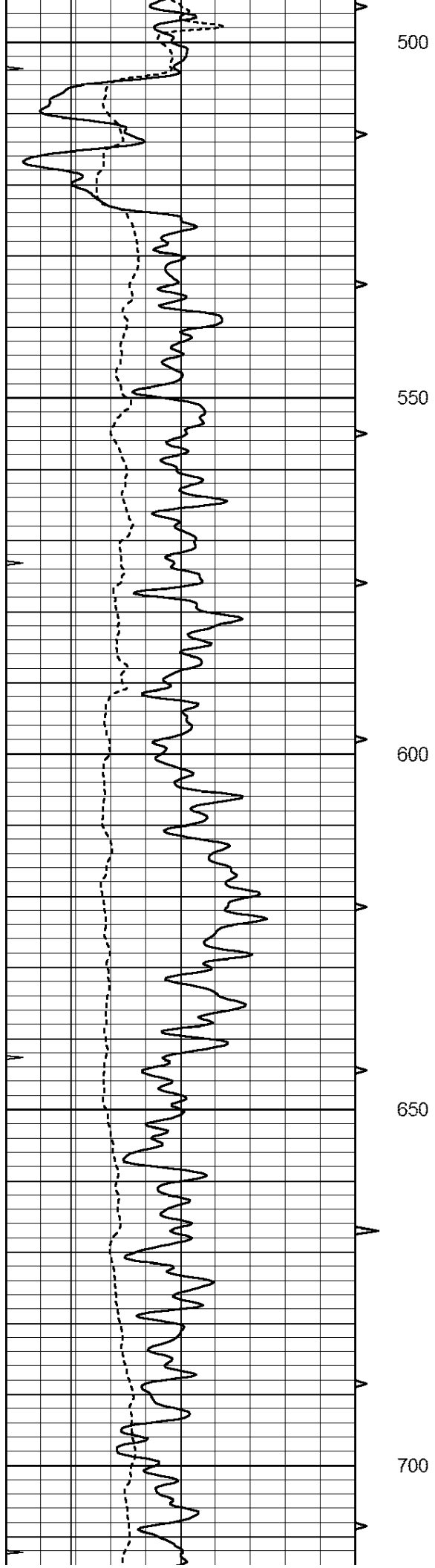
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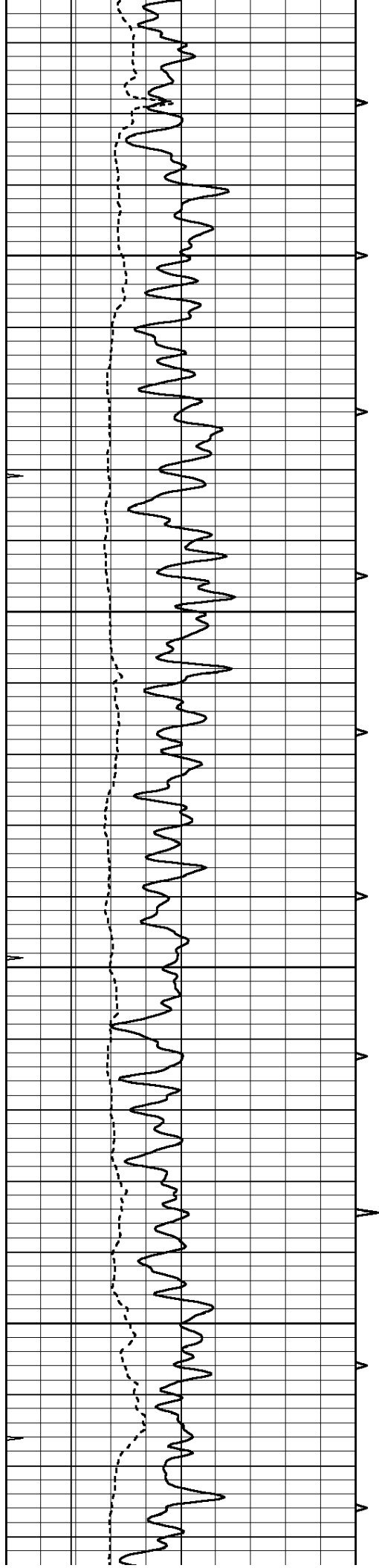
THANK YOU FOR USING NABORS HAYS, KANSAS (785) 628-6395
DIRECTIONS
GREAT BEND, KS - SOUTH TO 4TH STREET - 13 MILES EAST TO RD 130
3 MILES NORTH - WEST INTO

Database File: 009797ddn.db
Dataset Pathname: pass11.2
Presentation Format: _slt
Dataset Creation: Mon Jan 07 13:53:58 2013 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

Charted by:		Depth in Feet scaled 1:2.10				
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			





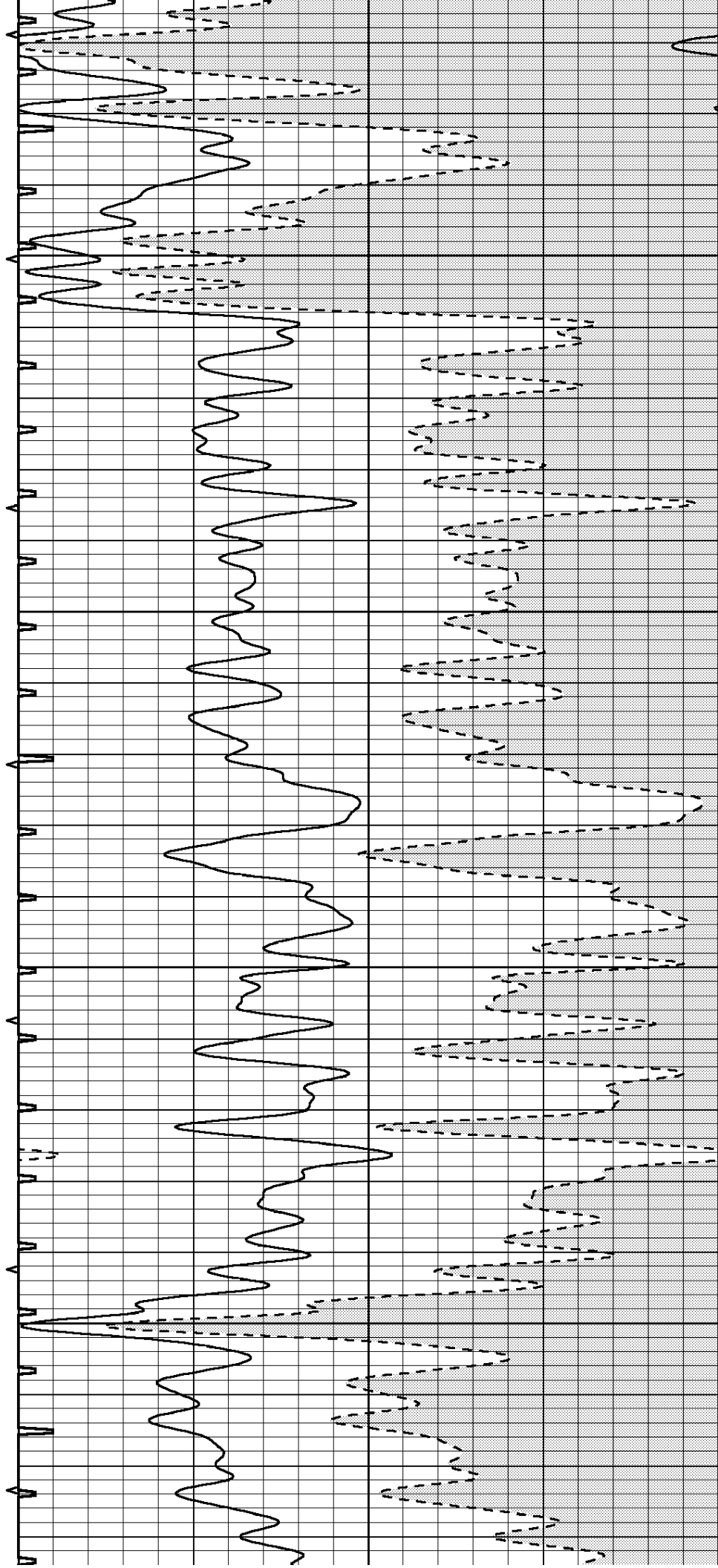


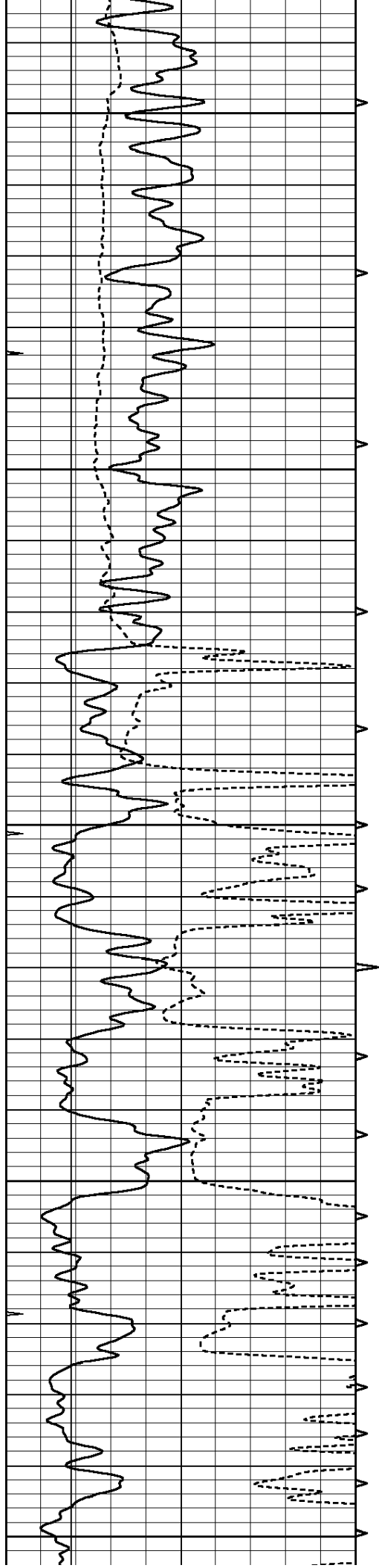
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800

850

900





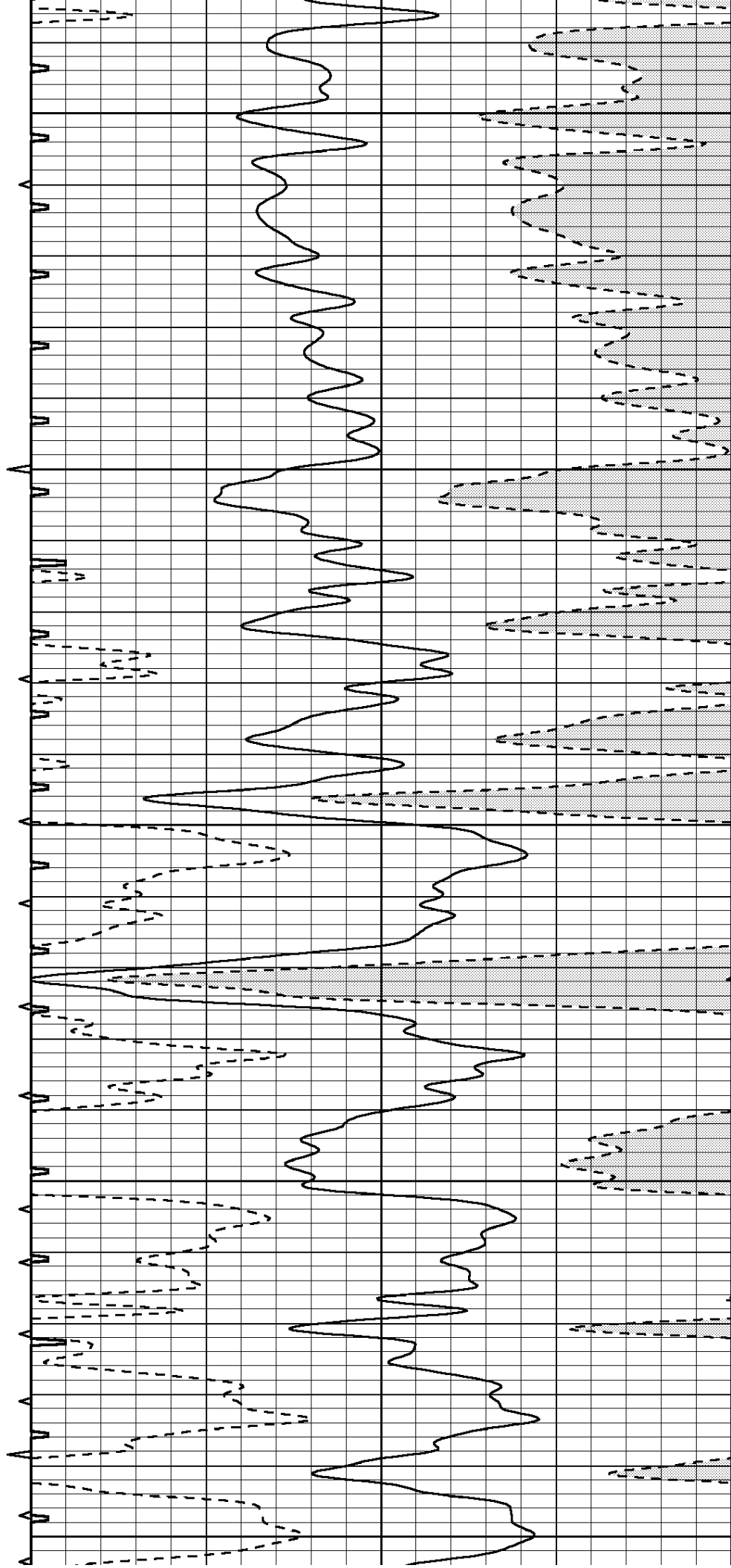
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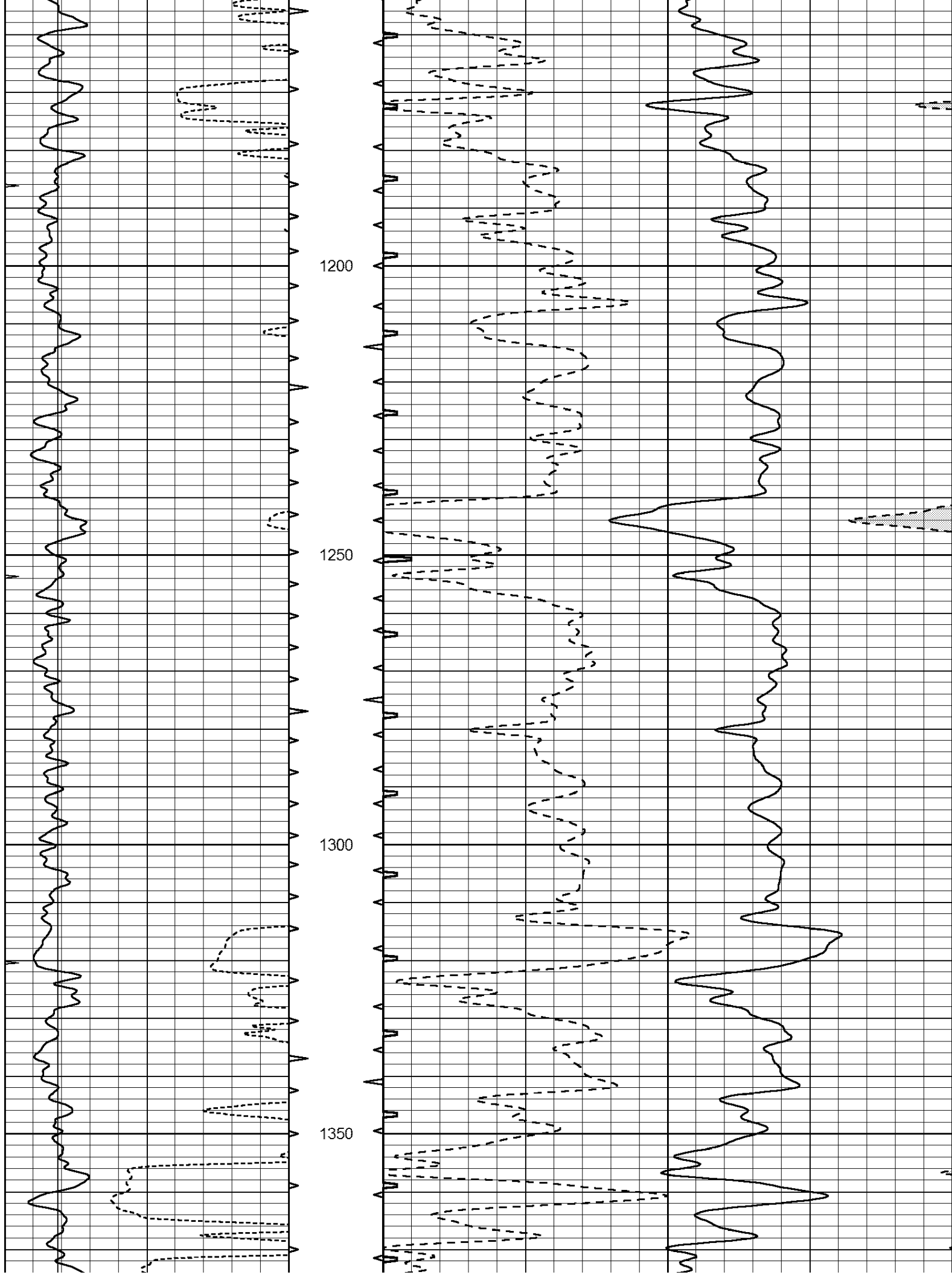
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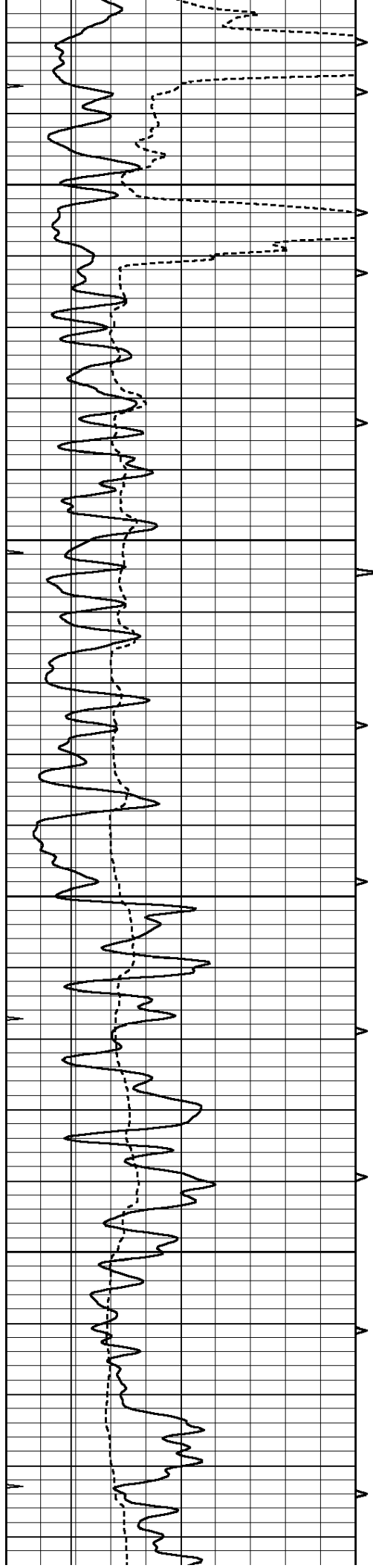
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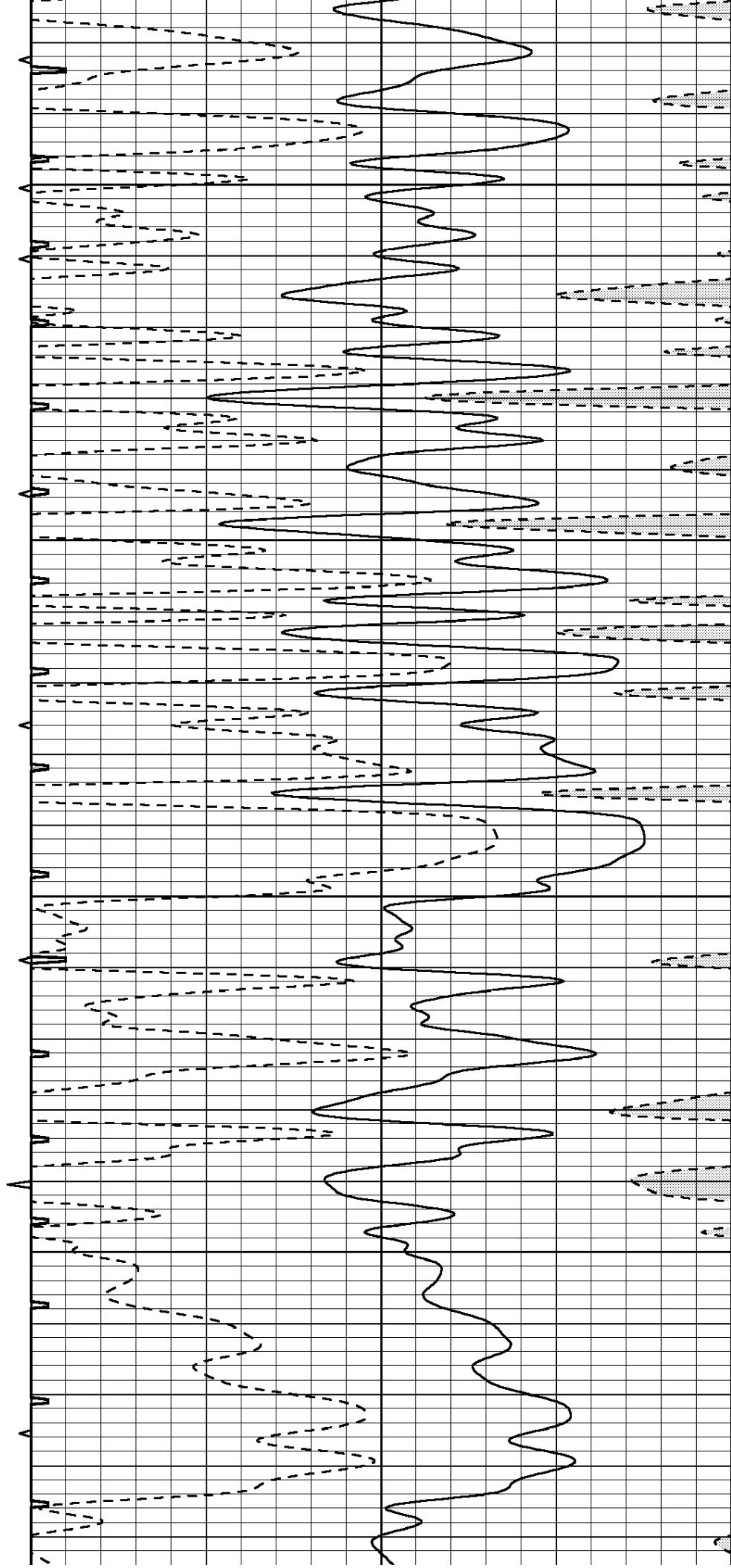


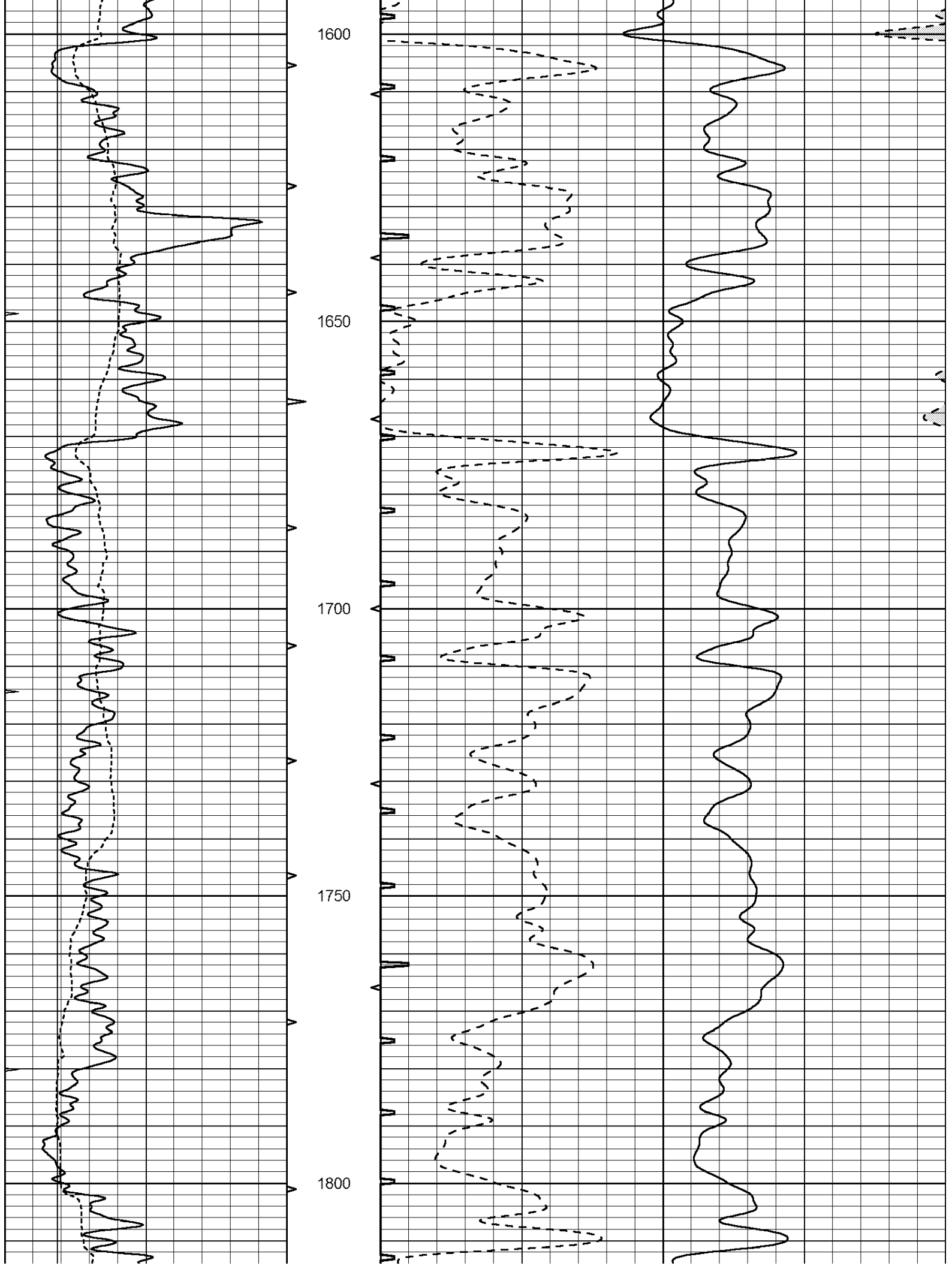
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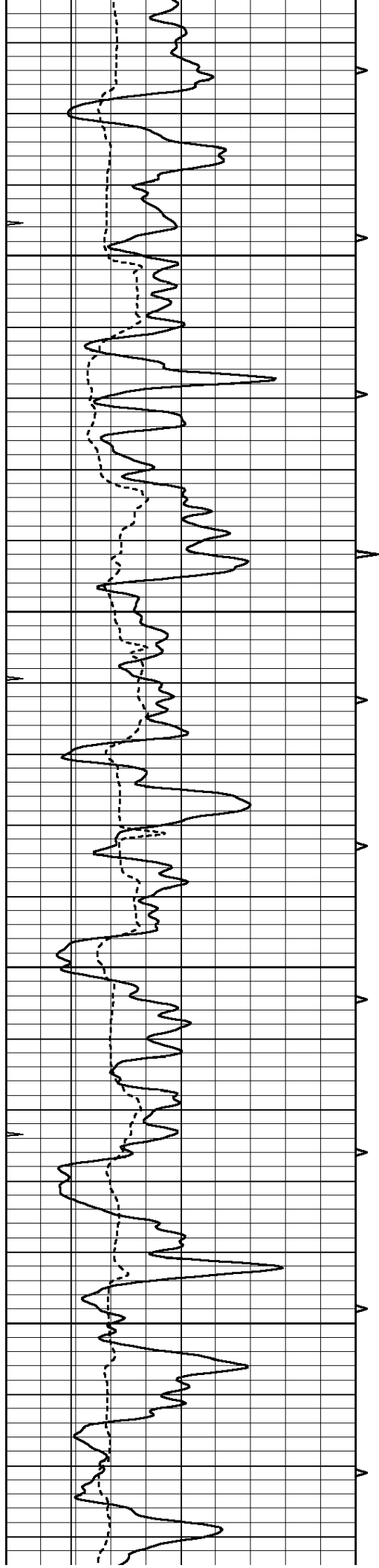
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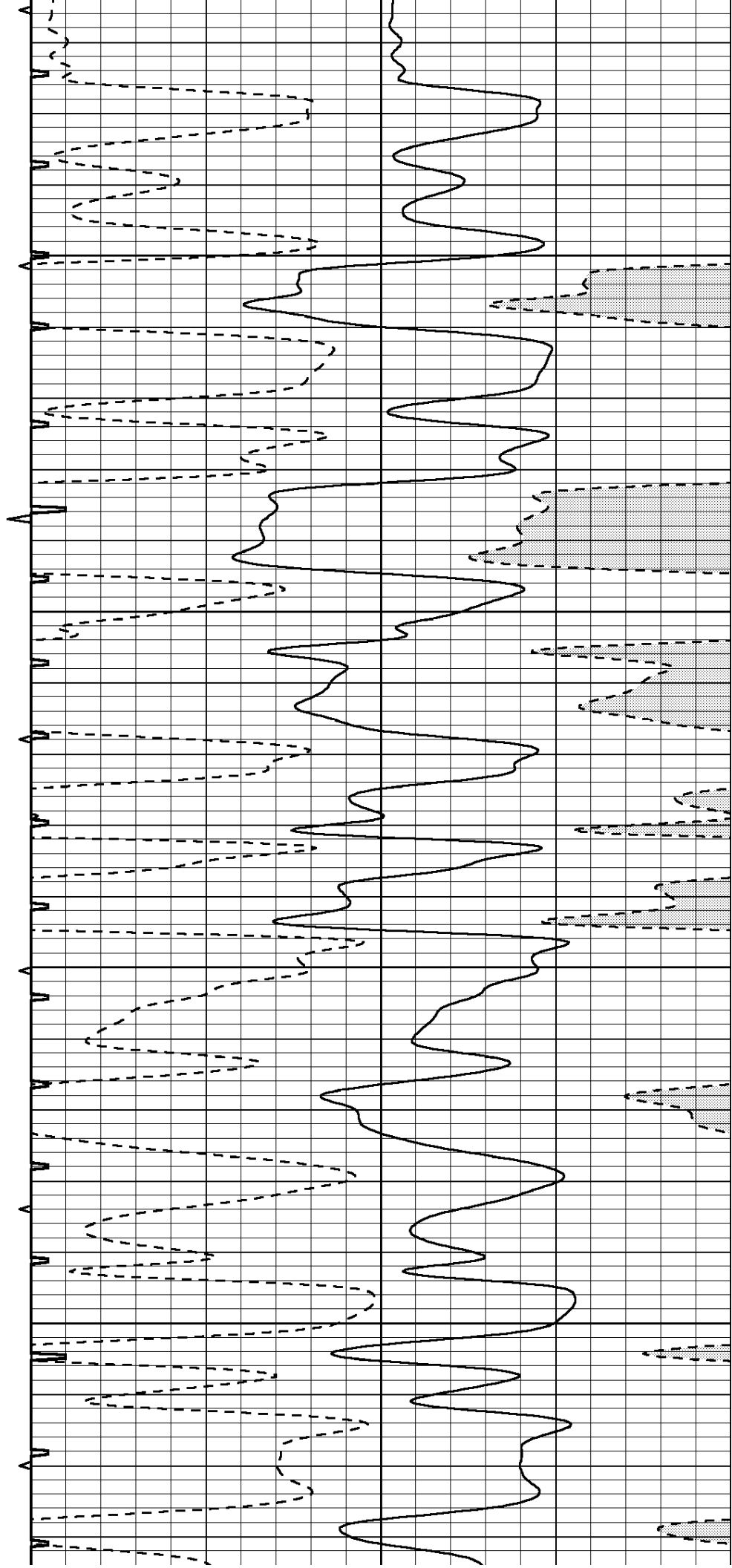


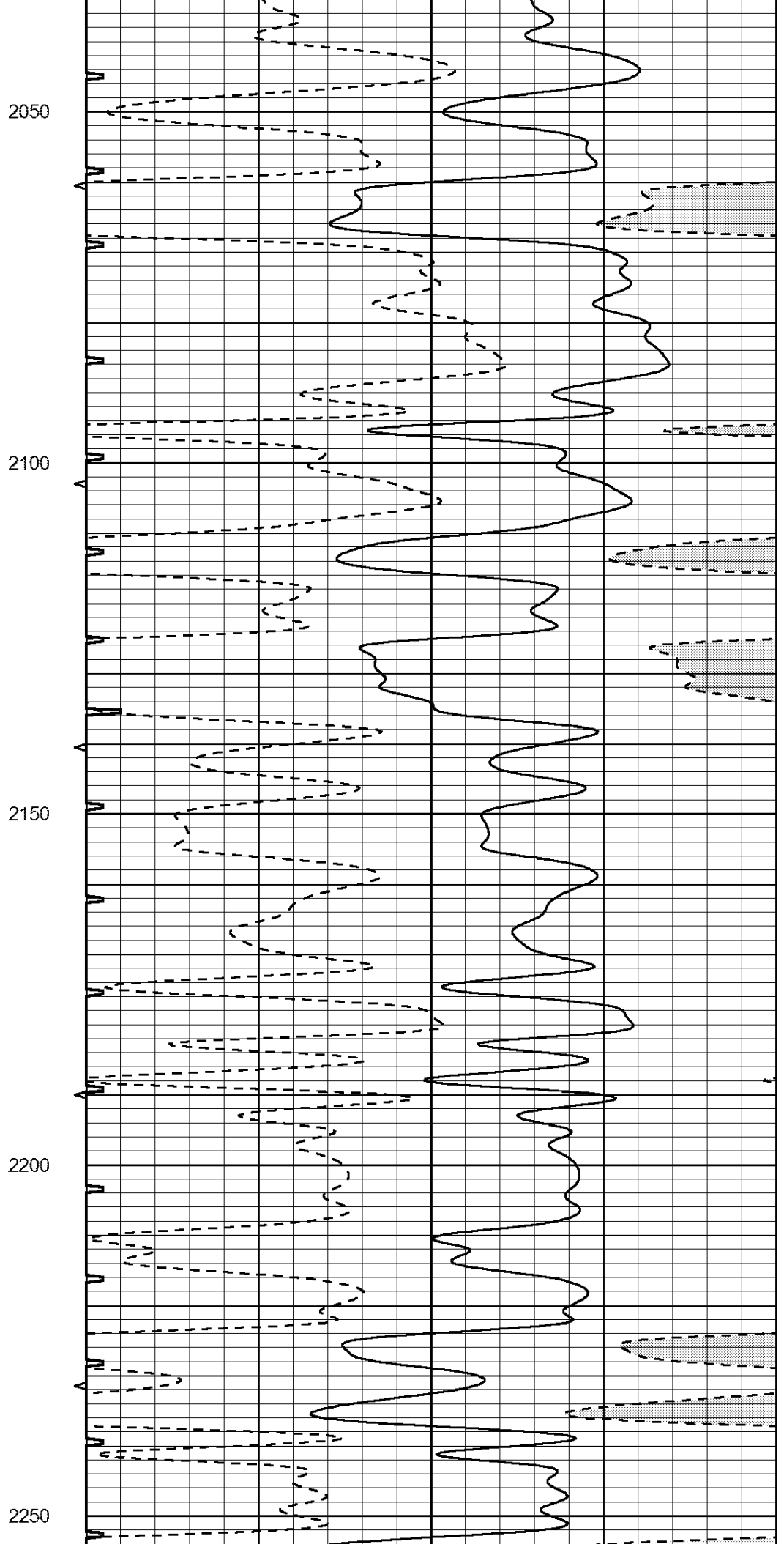
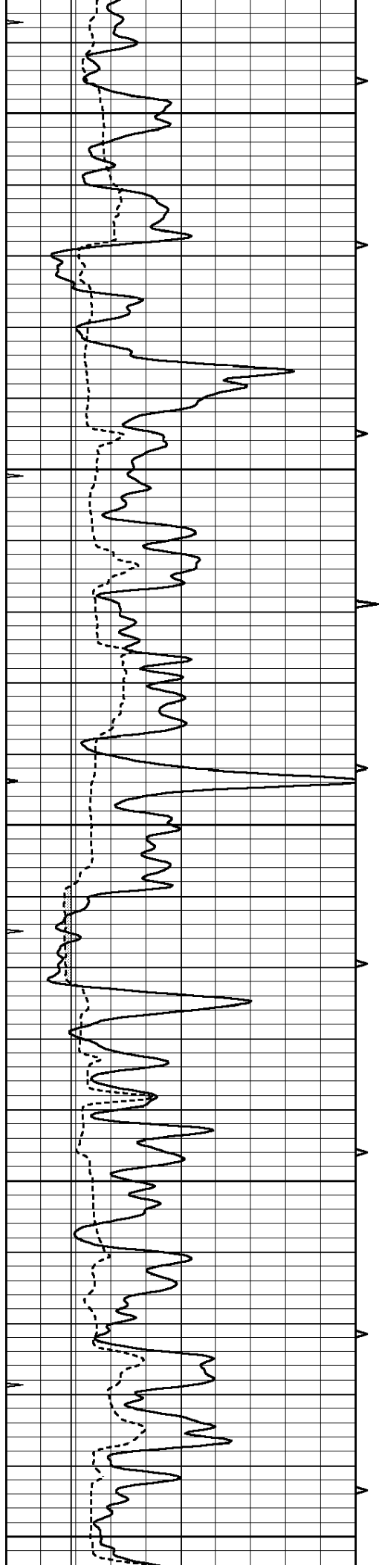
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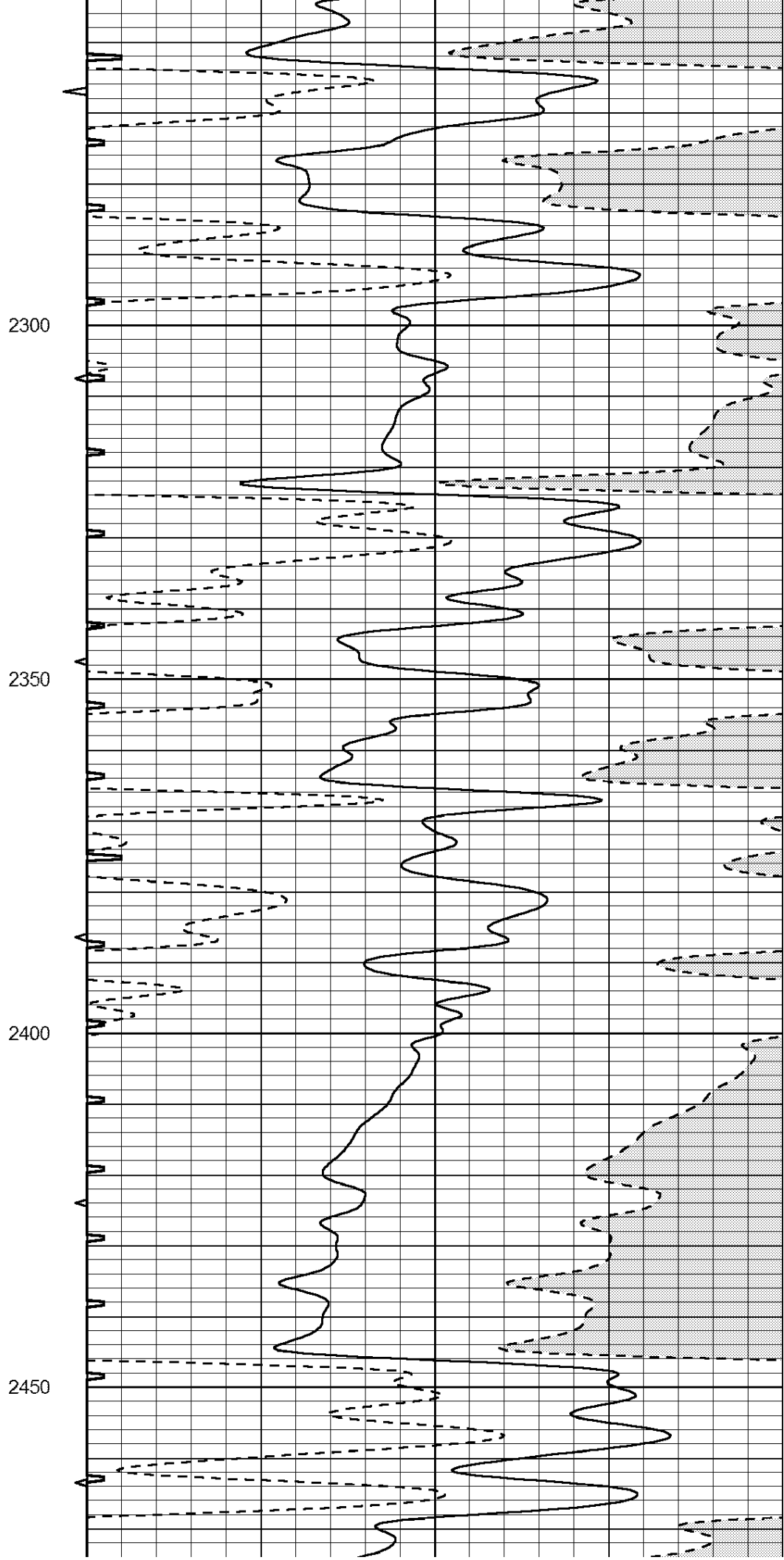
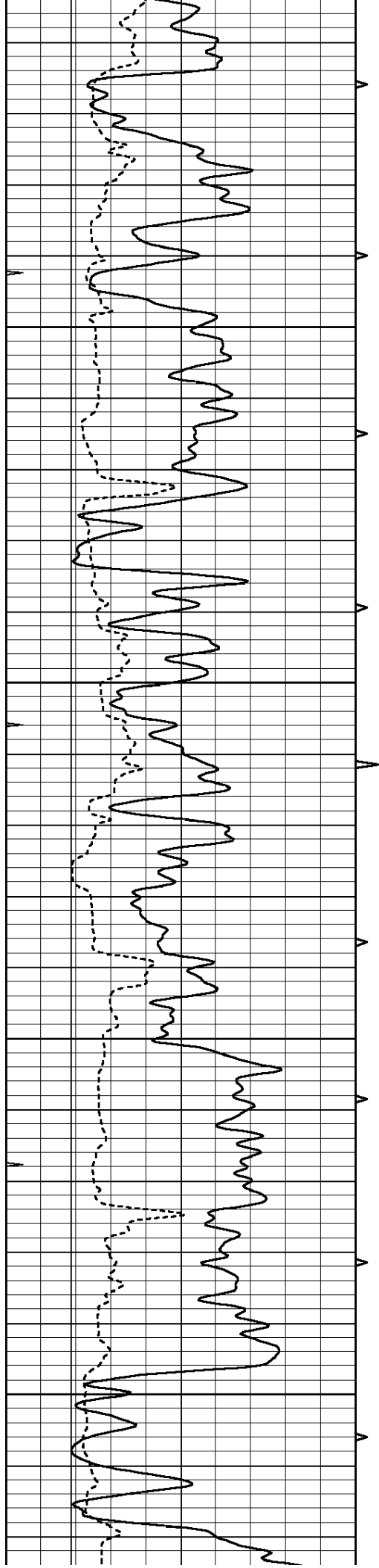
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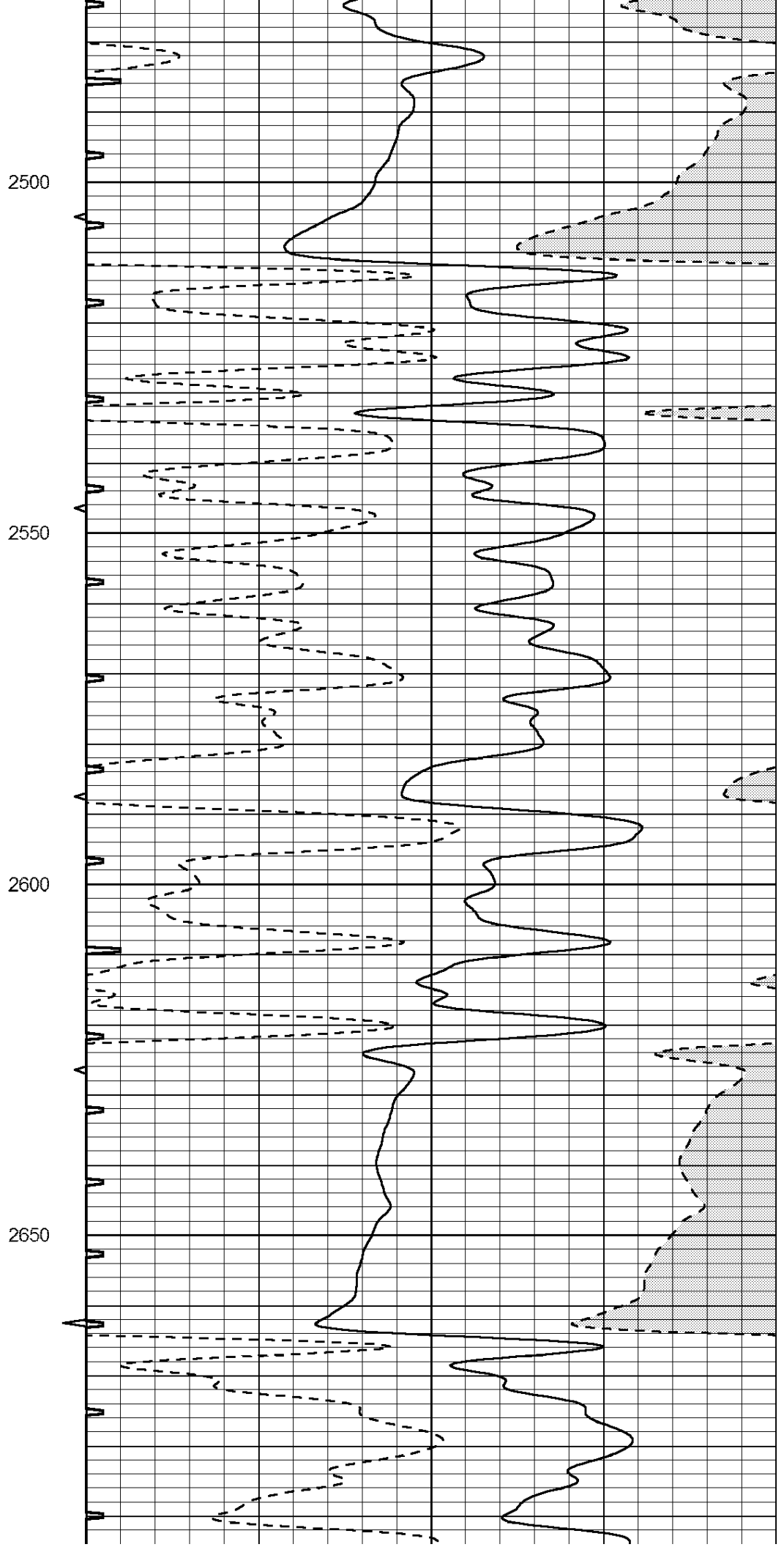
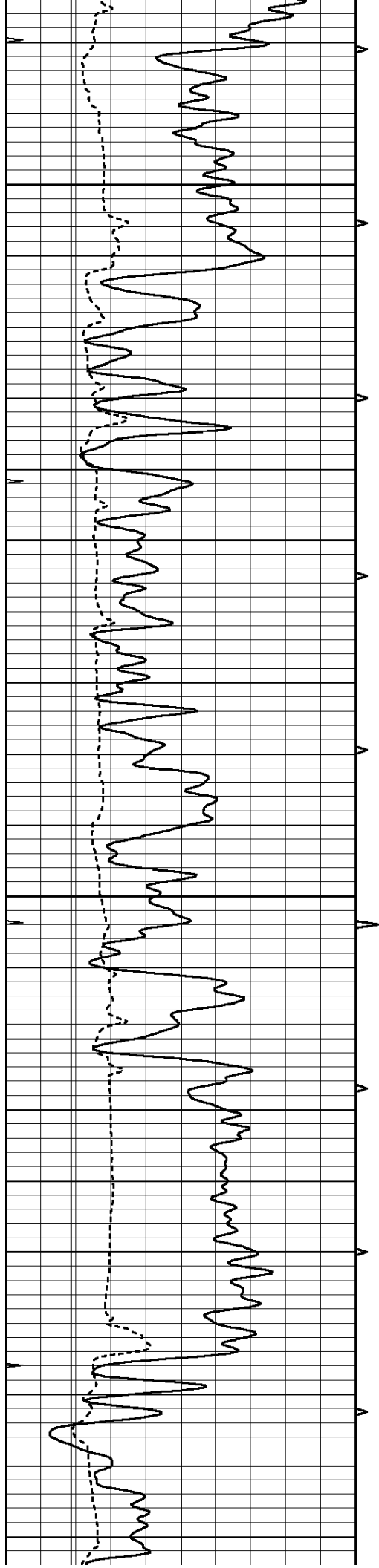
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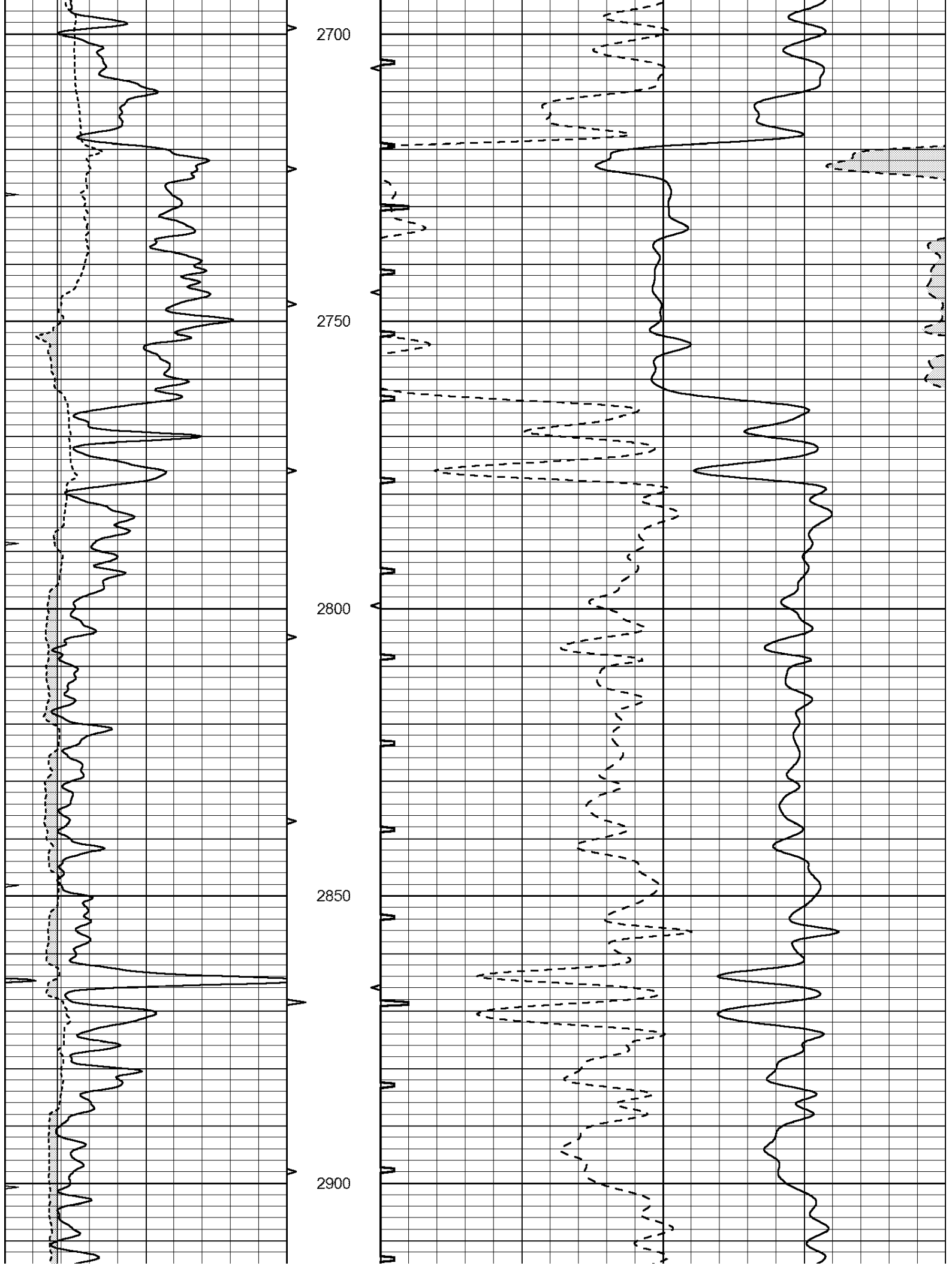
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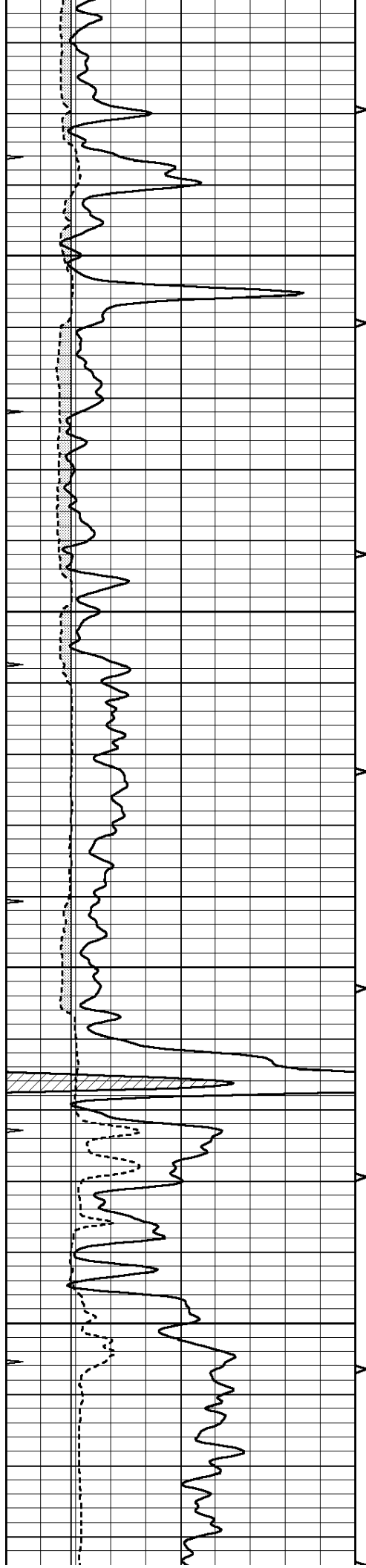










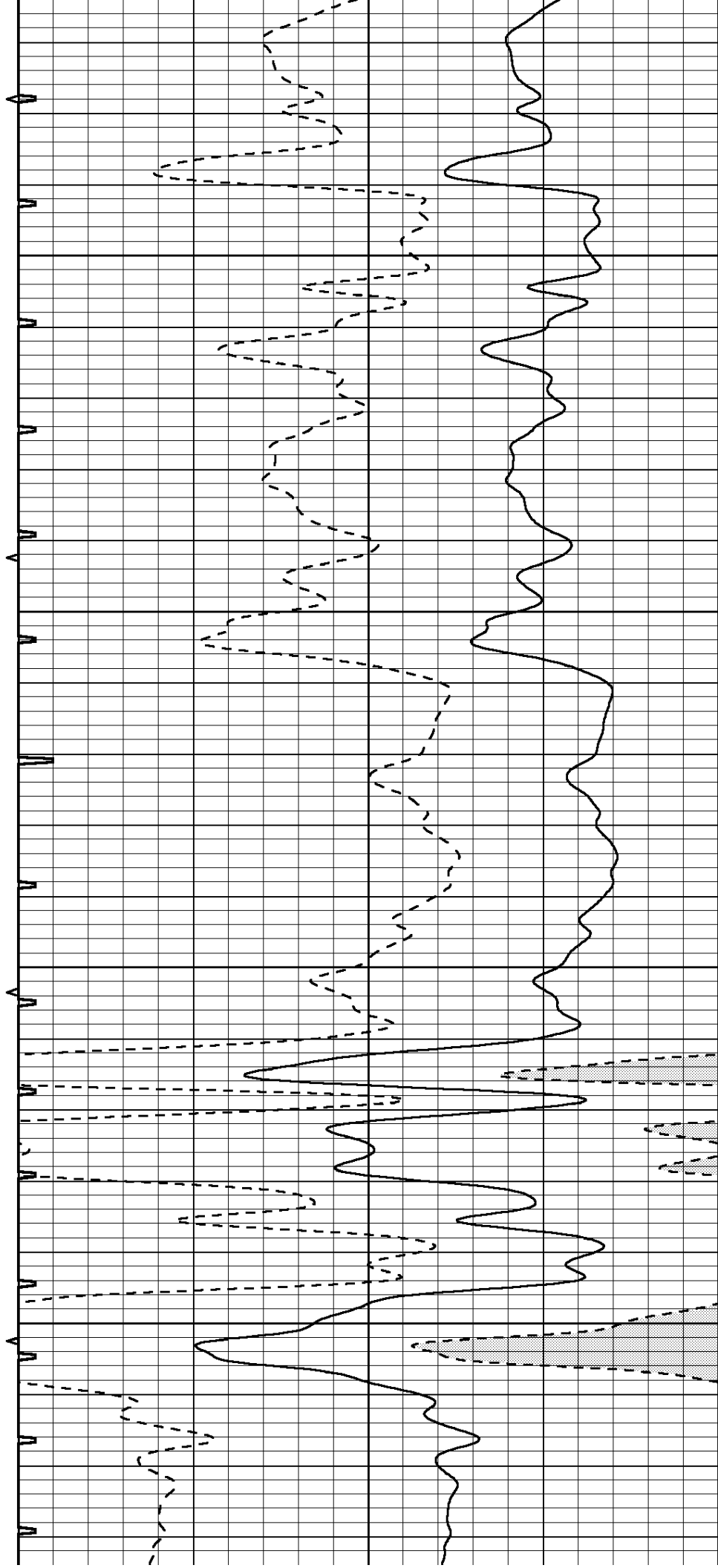


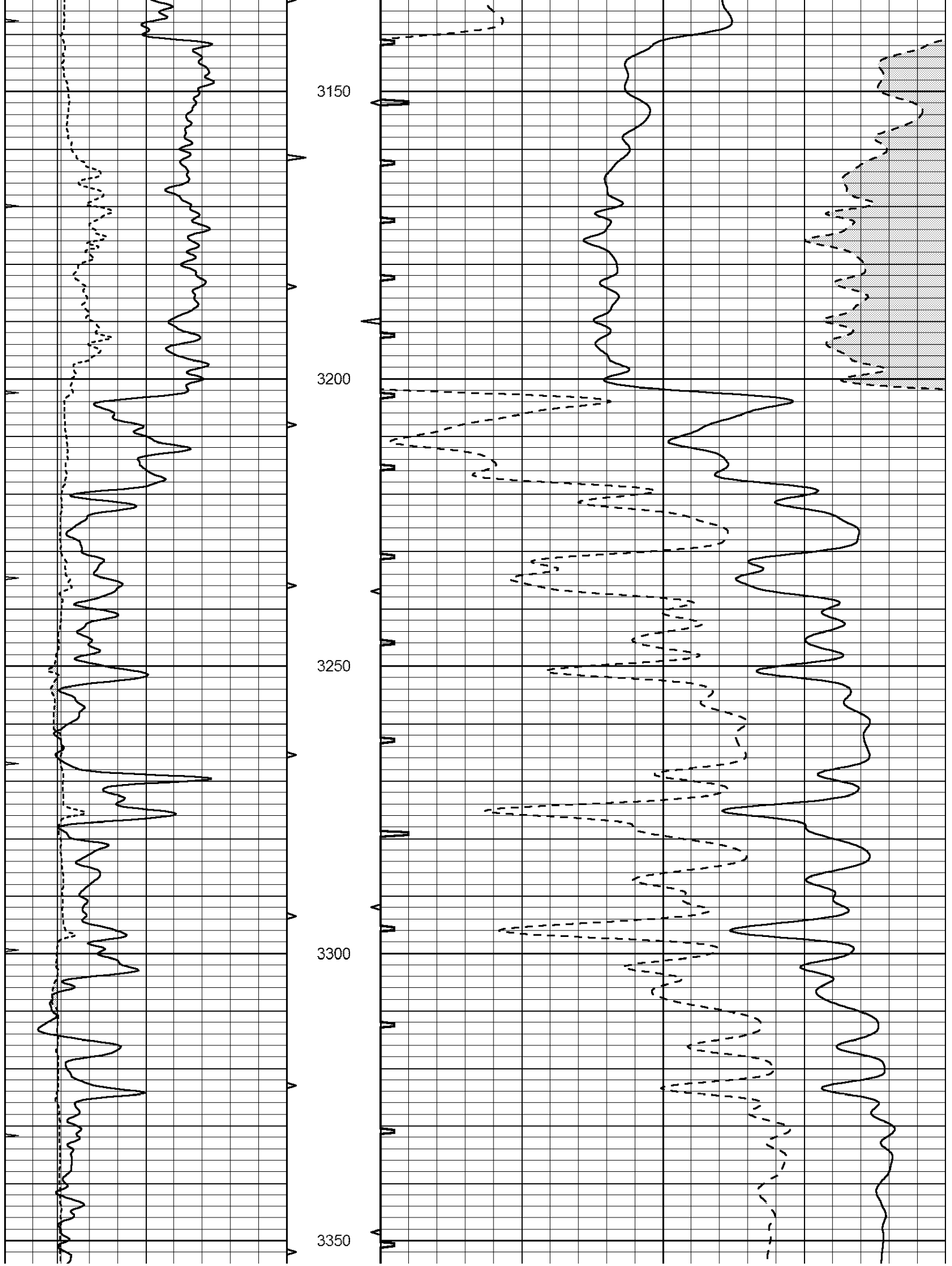
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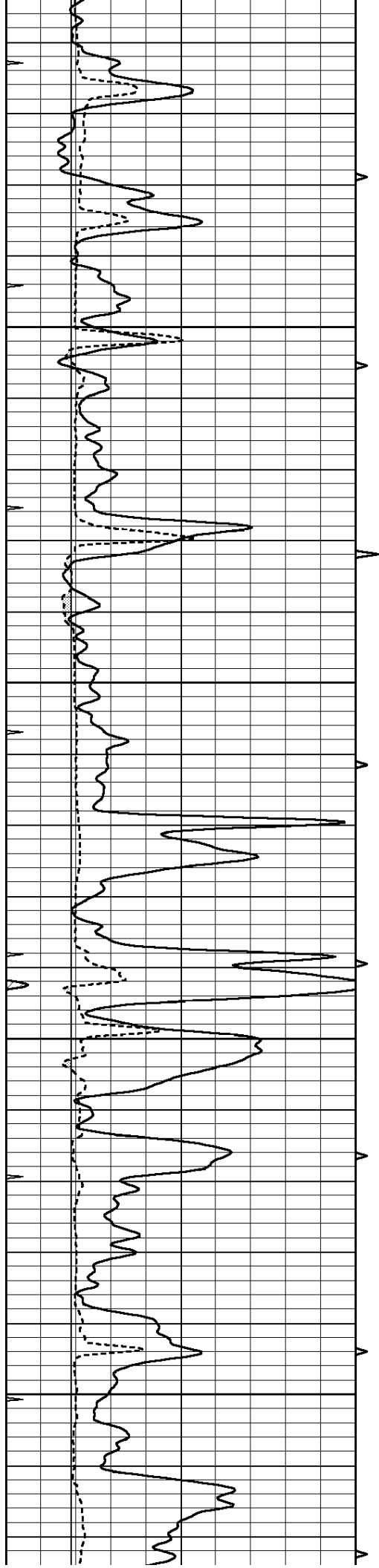
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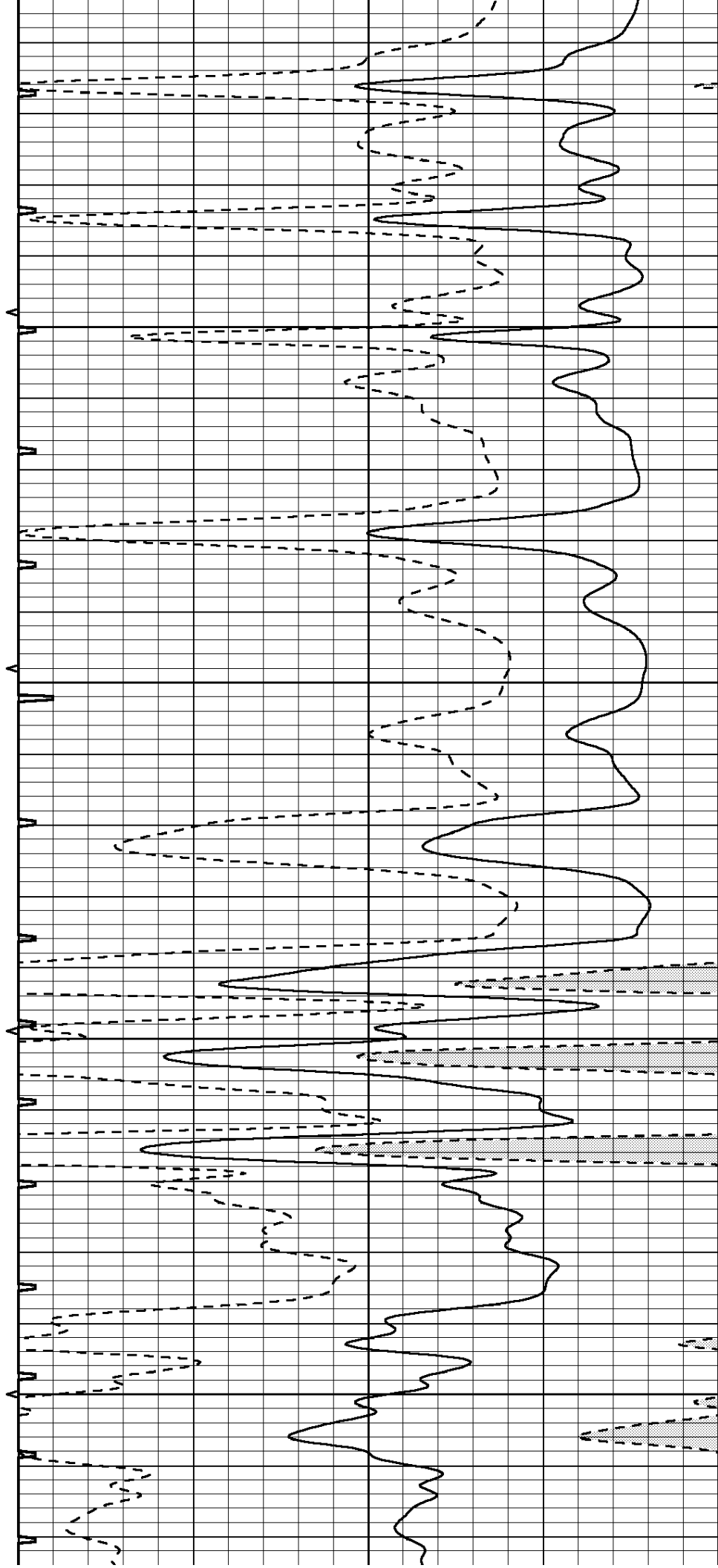


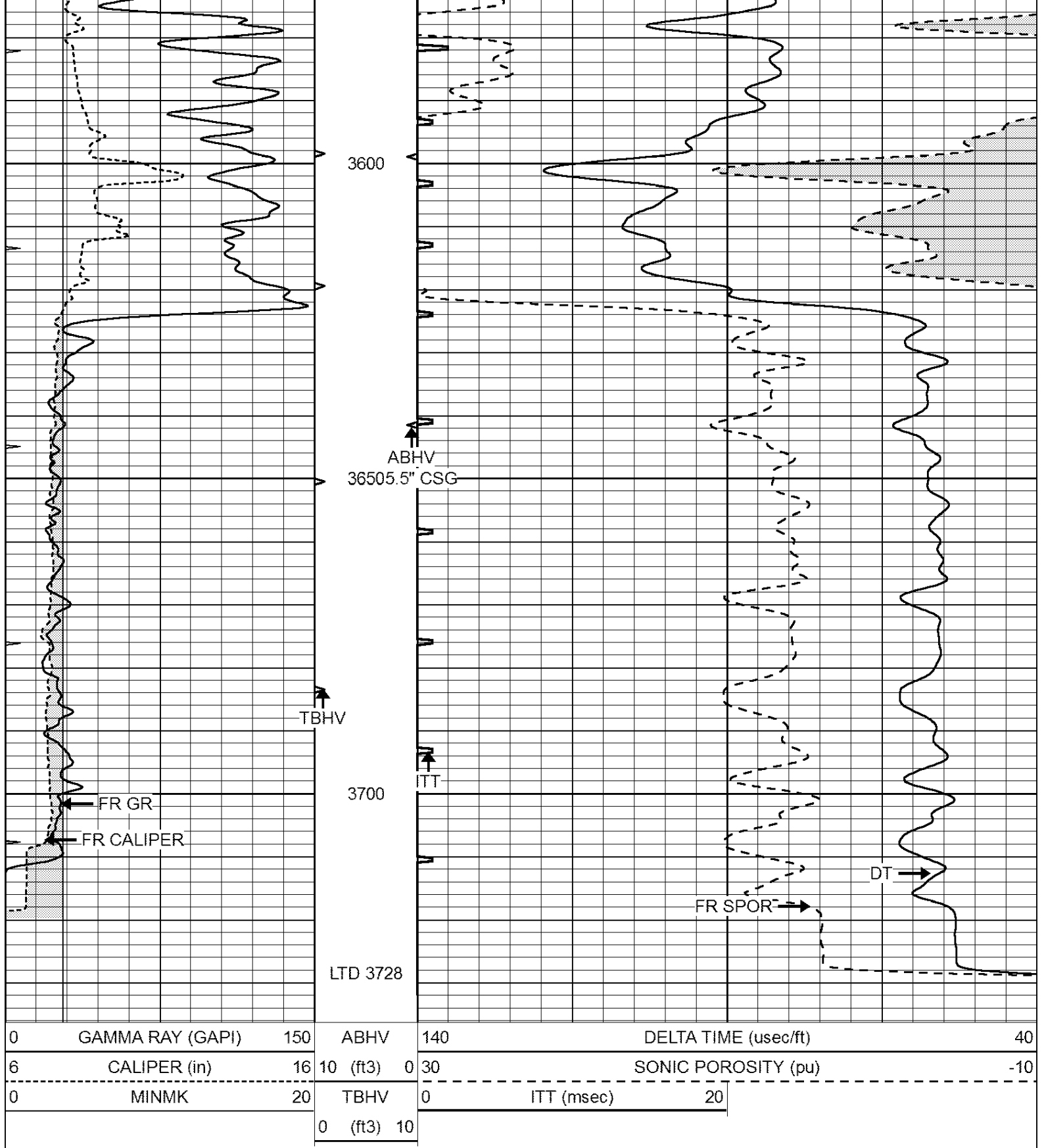
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REPEAT SECTION

Database File: 009797ddn.db
Dataset Pathname: pass10.5
Presentation Format: _slt

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			

