



**COMPLETION
& PRODUCTION
SERVICES CO.**

**SONIC
LOG**

Company IA OPERATING, INC.
Well MARVIN WUDTKE TRUST #34-1
Field
County NORTON
State KANSAS

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Field
County NORTON State KANSAS

Location: API # : 15-137-20690-0000
1294' FNL & 739' FWL
SW - SE - NW - NW
SEC 34 TWP 2S RGE 24W
Permanent Datum GROUND LEVEL Elevation 2458
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL
DIL/MEL
Elevation
K.B. 2466
D.F. 2464
G.L. 2458

Date	3/27/14		
Run Number	TWO		
Depth Driller	3770		
Depth Logger	3768		
Bottom Logged Interval	3758		
Top Log Interval	200		
Casing Driller	8 5/8" @ 220		
Casing Logger	219		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1750 PPM	
Density / Viscosity	9.2/59		
pH / Fluid Loss	10.0/7.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	2.20 @ 68F		
Rmt @ Meas. Temp	1.65 @ 68F		
Rmc @ Meas. Temp	2.64 @ 68F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	1.31 @ 114F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	114F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF GRONWEG		
Witnessed By	JEFF LAWLER		

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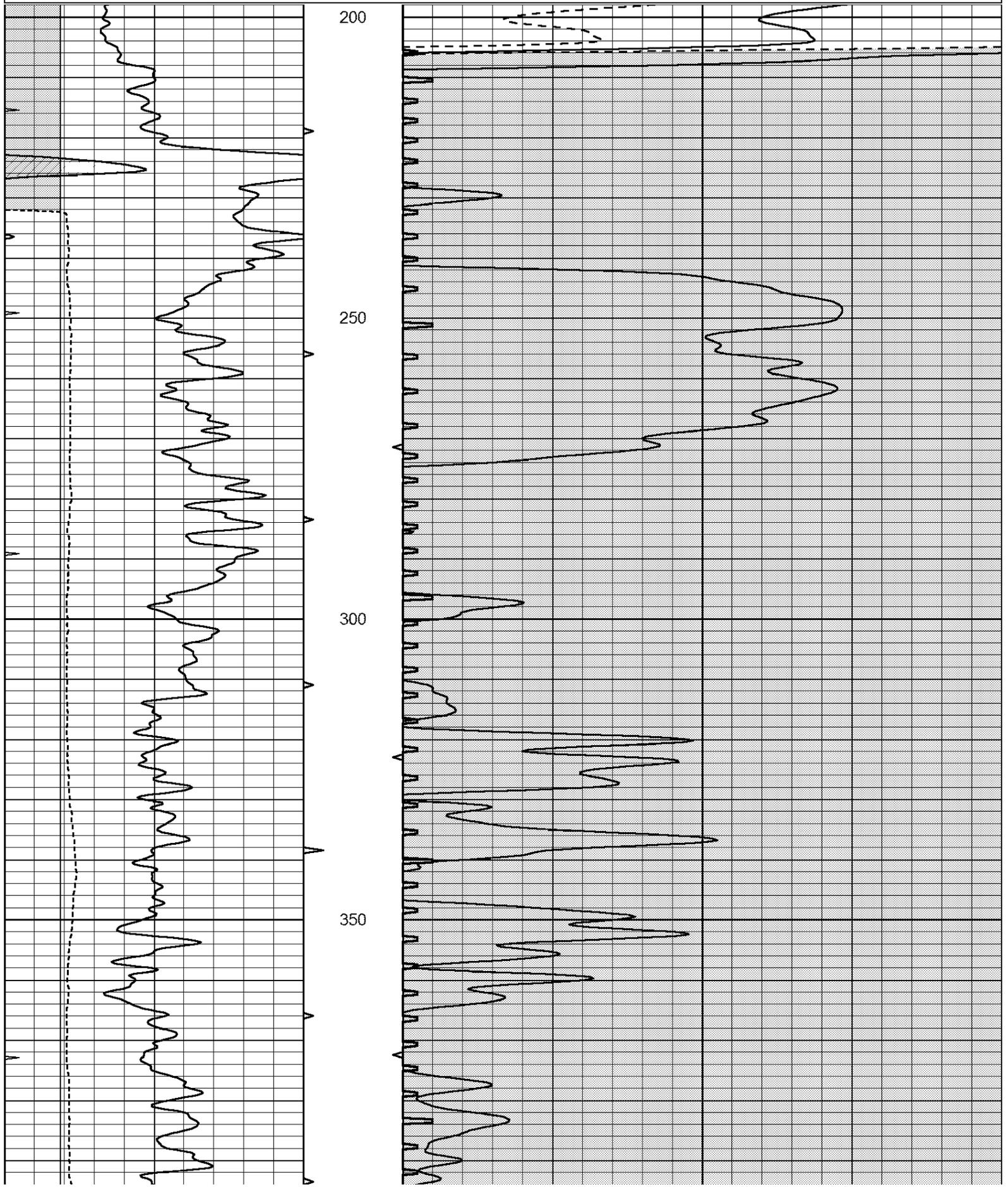
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

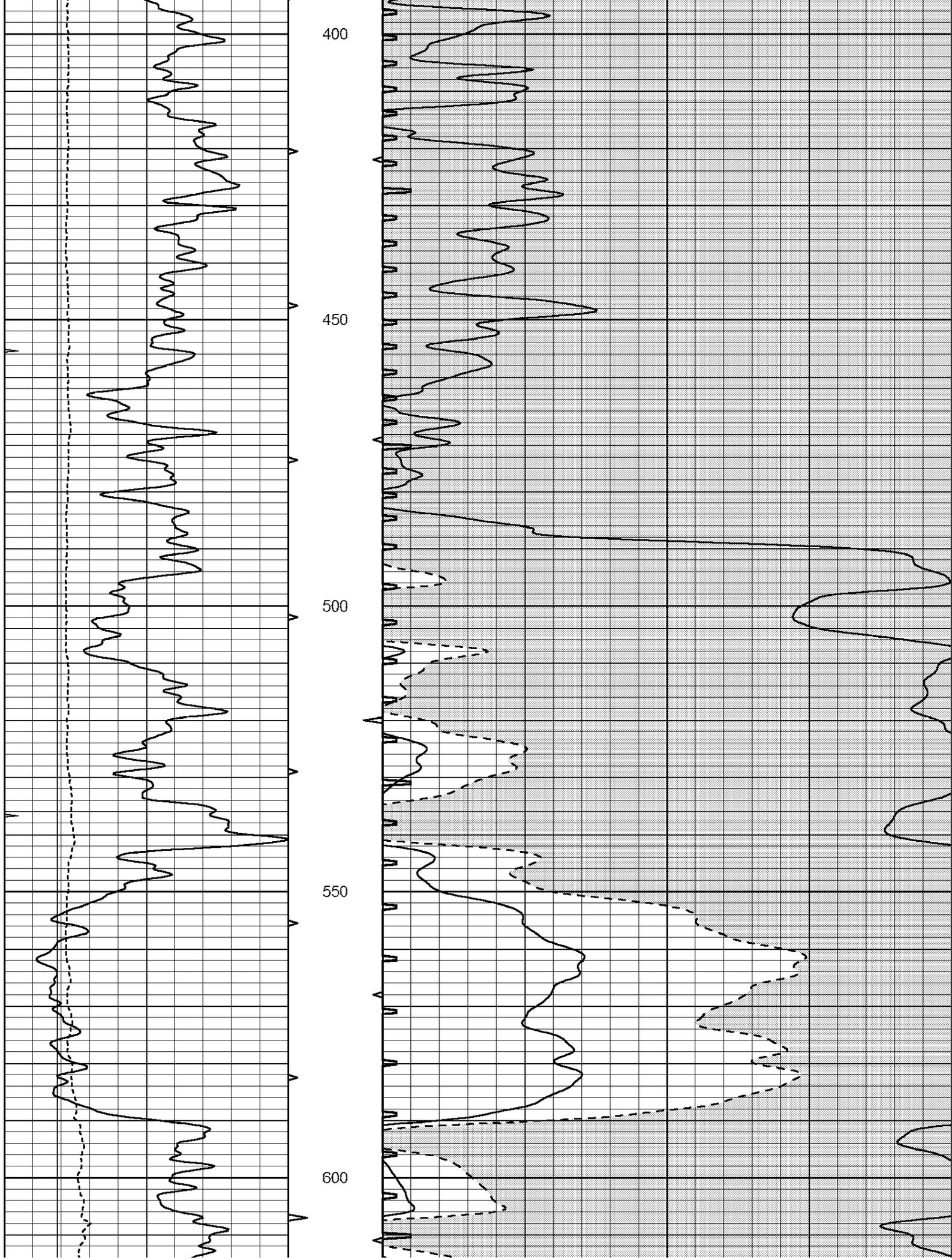
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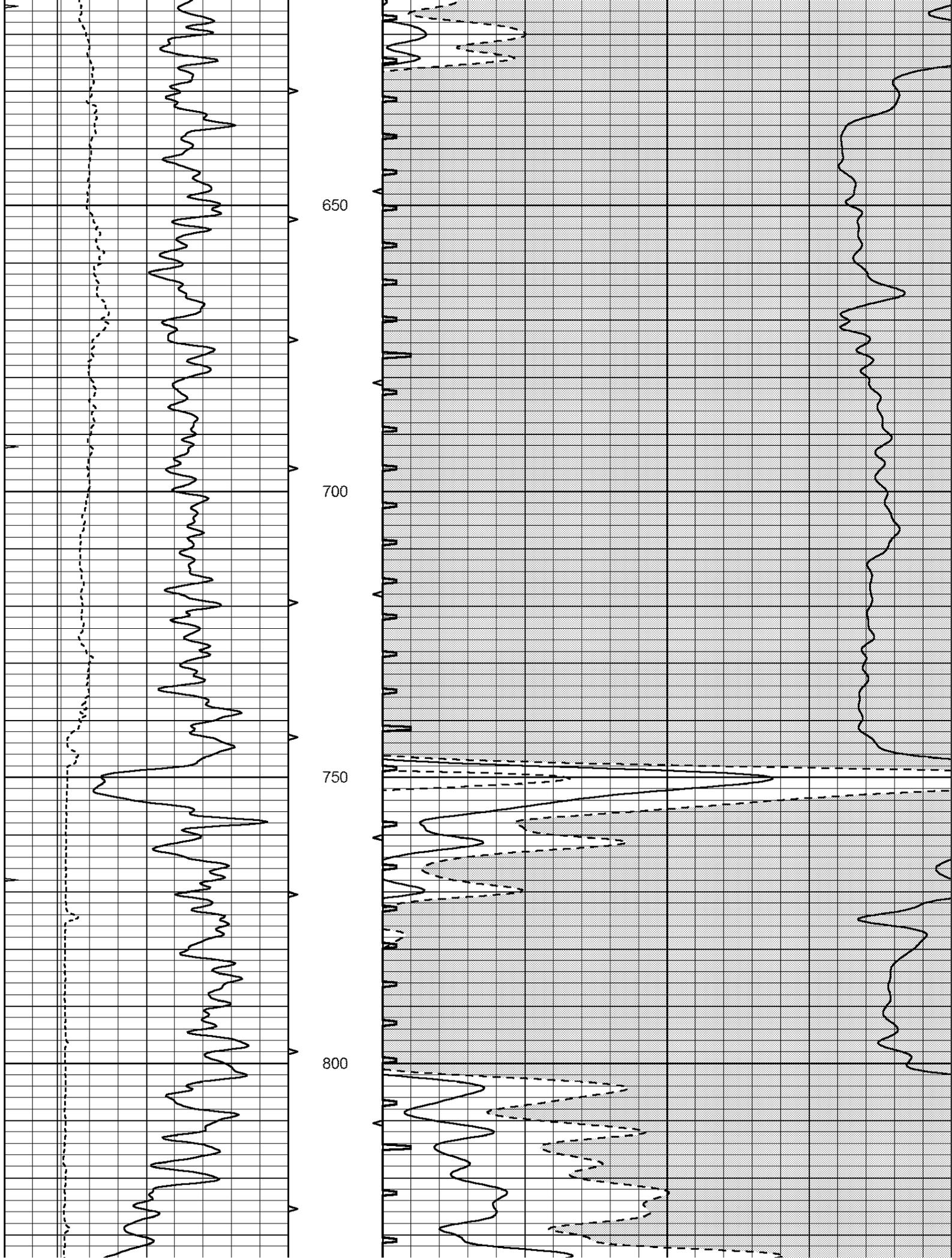
THANK YOU FOR USING NABORS, HAYS, KS. (785) 628-6395
DIRECTIONS:
NORTON, KS - 7 MILES WEST TO RD W7 - 3/4 MILE NORTH
EAST INTO

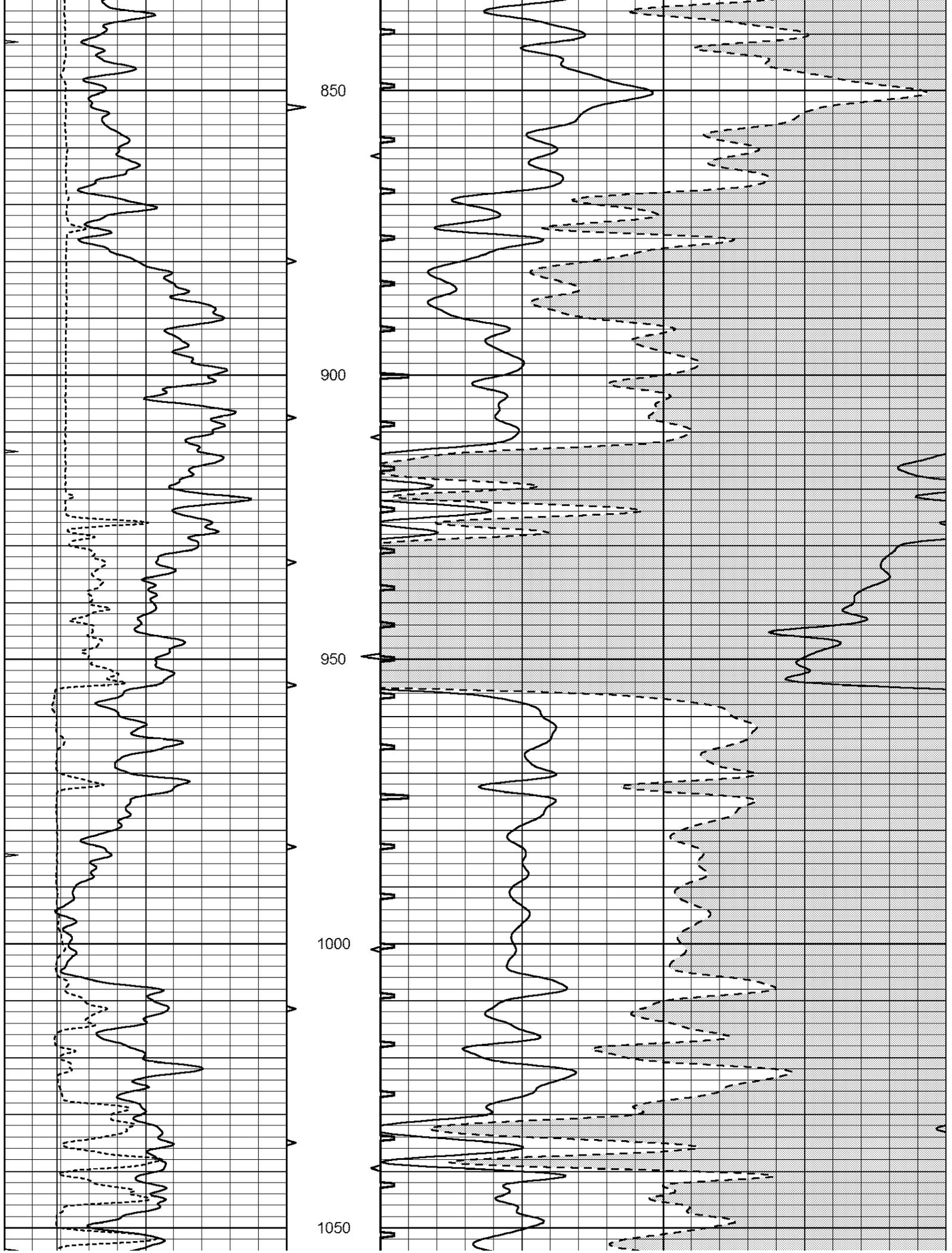
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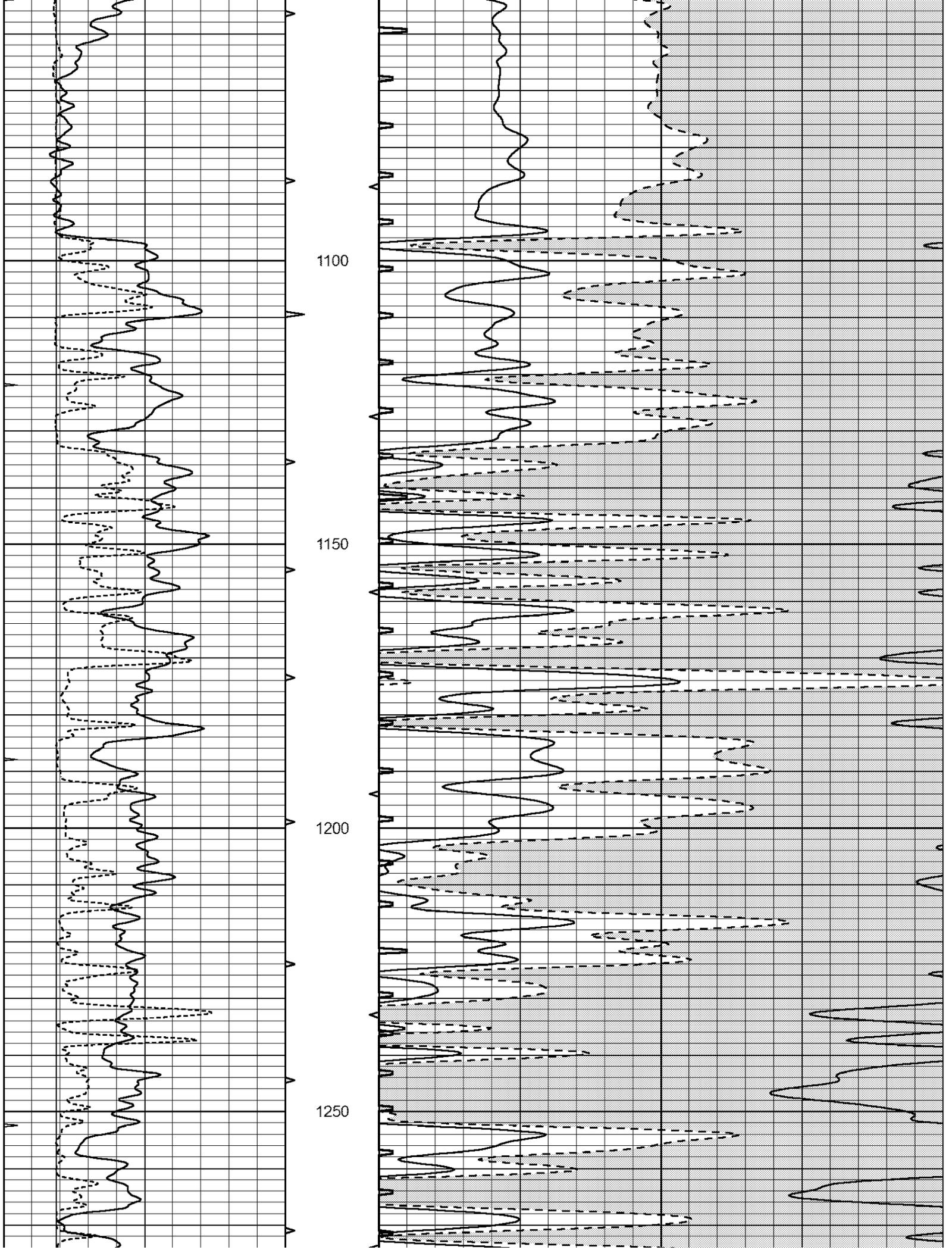
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6	CALIPER (in)	16	10 (ft3) 0	30	SONIC POROSITY (pu)	-10
0	MINMK	20	TBHV	0	ITT (msec)	20
			0 (ft3) 10			

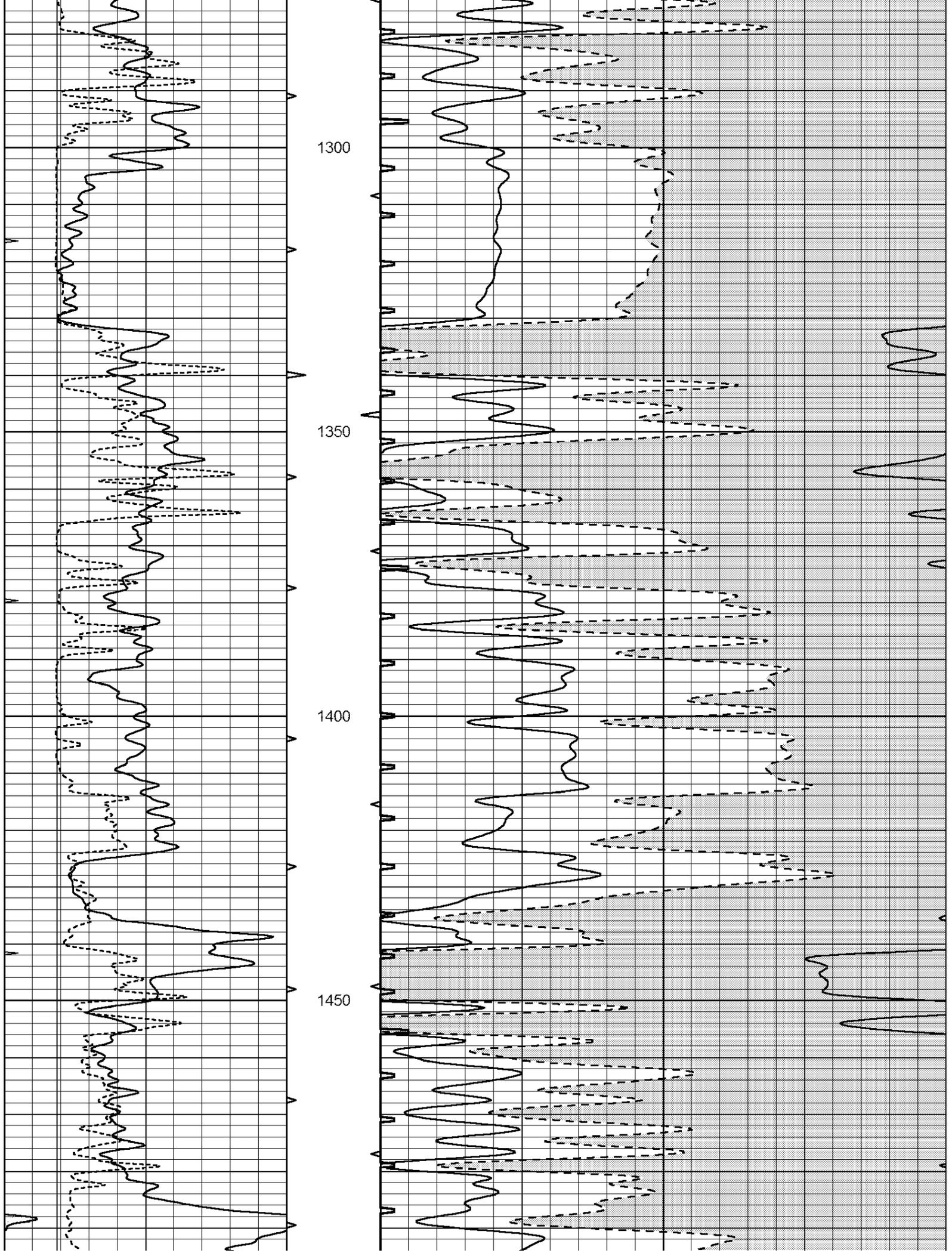


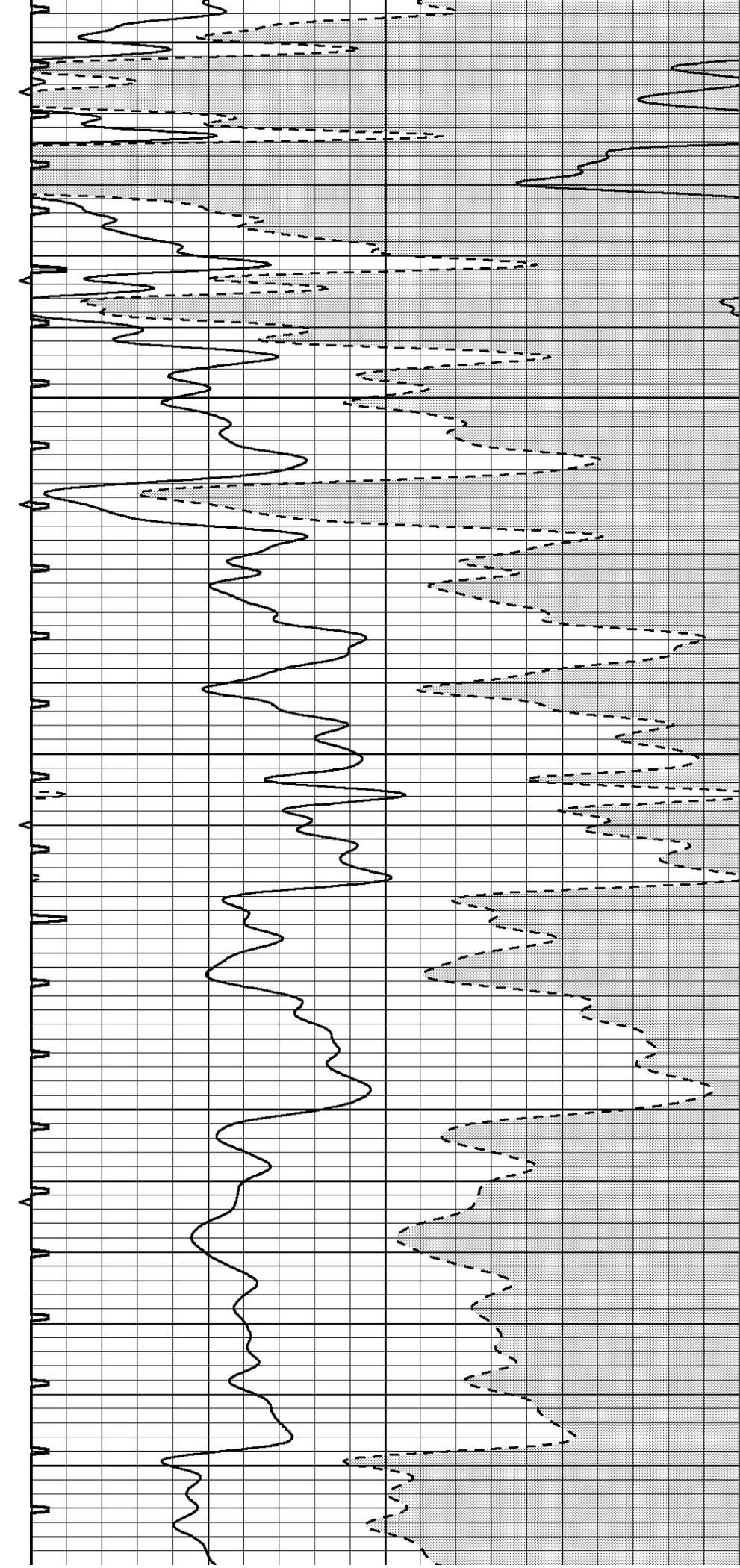
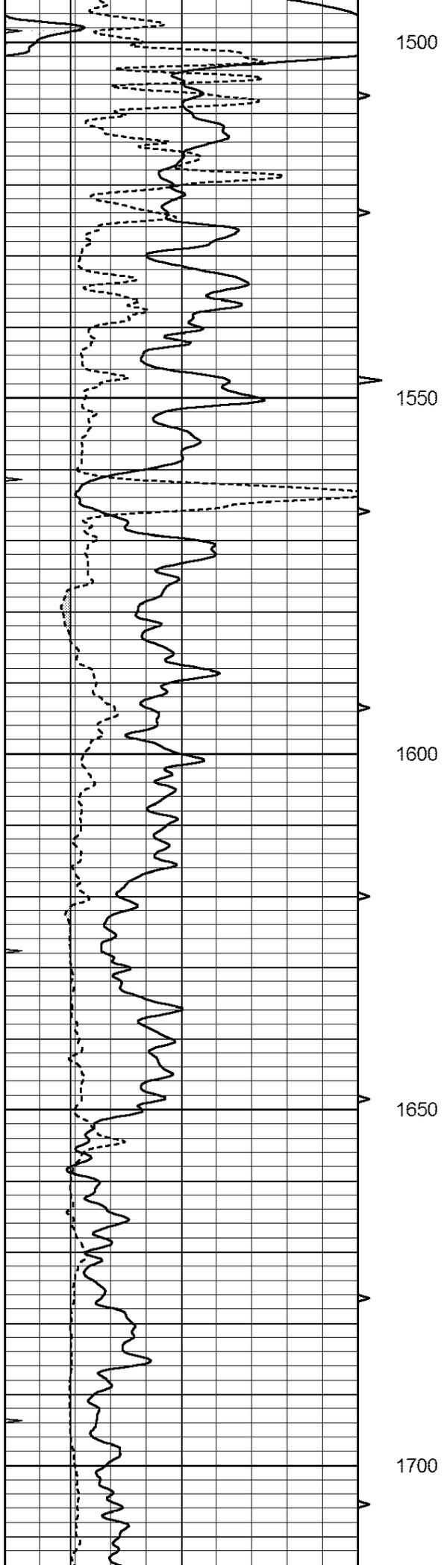


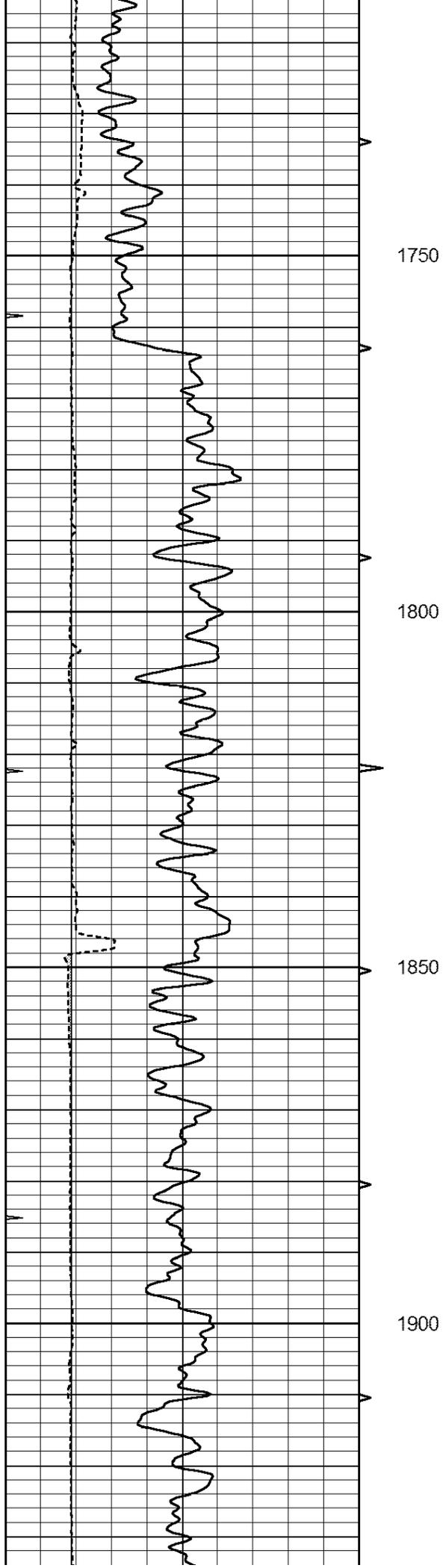










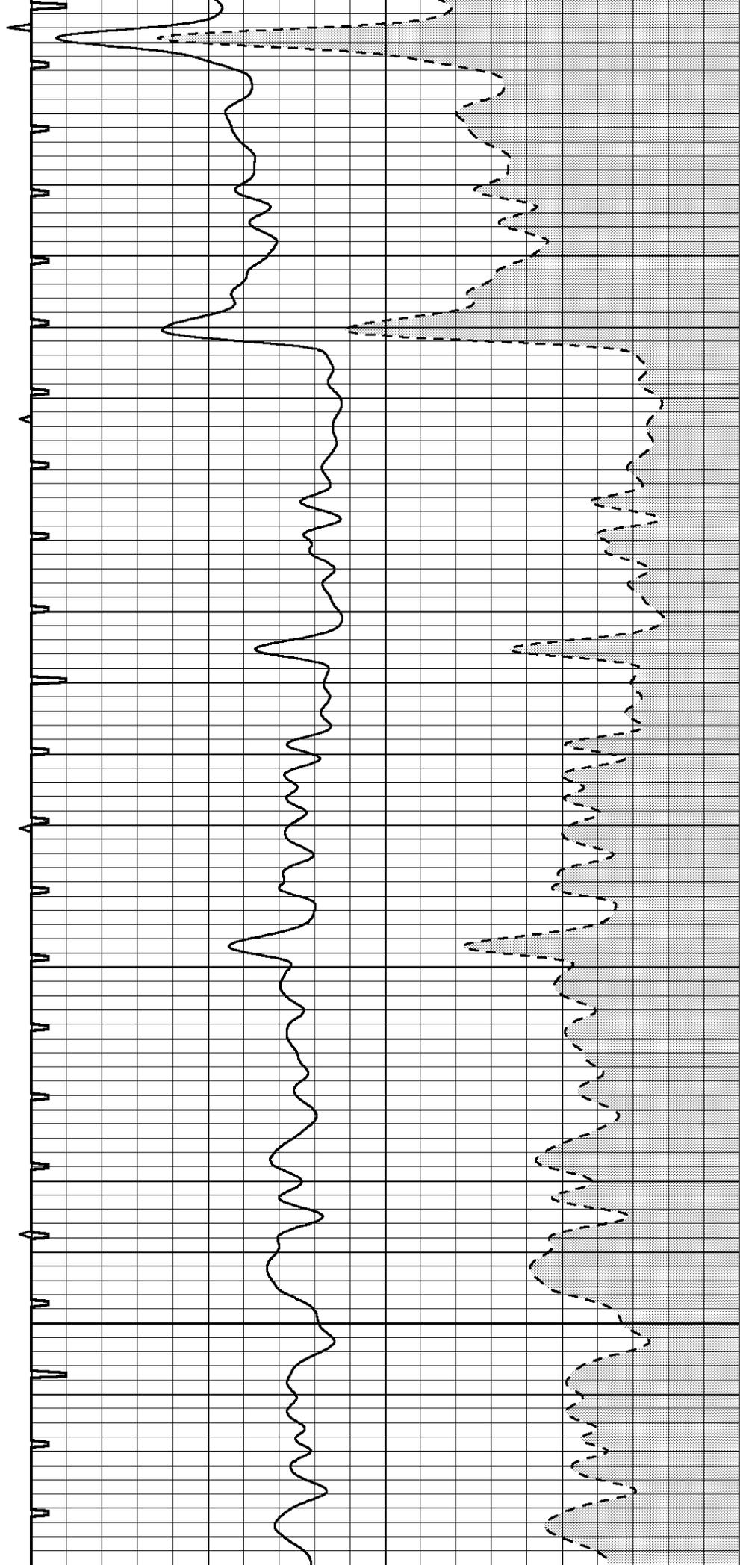


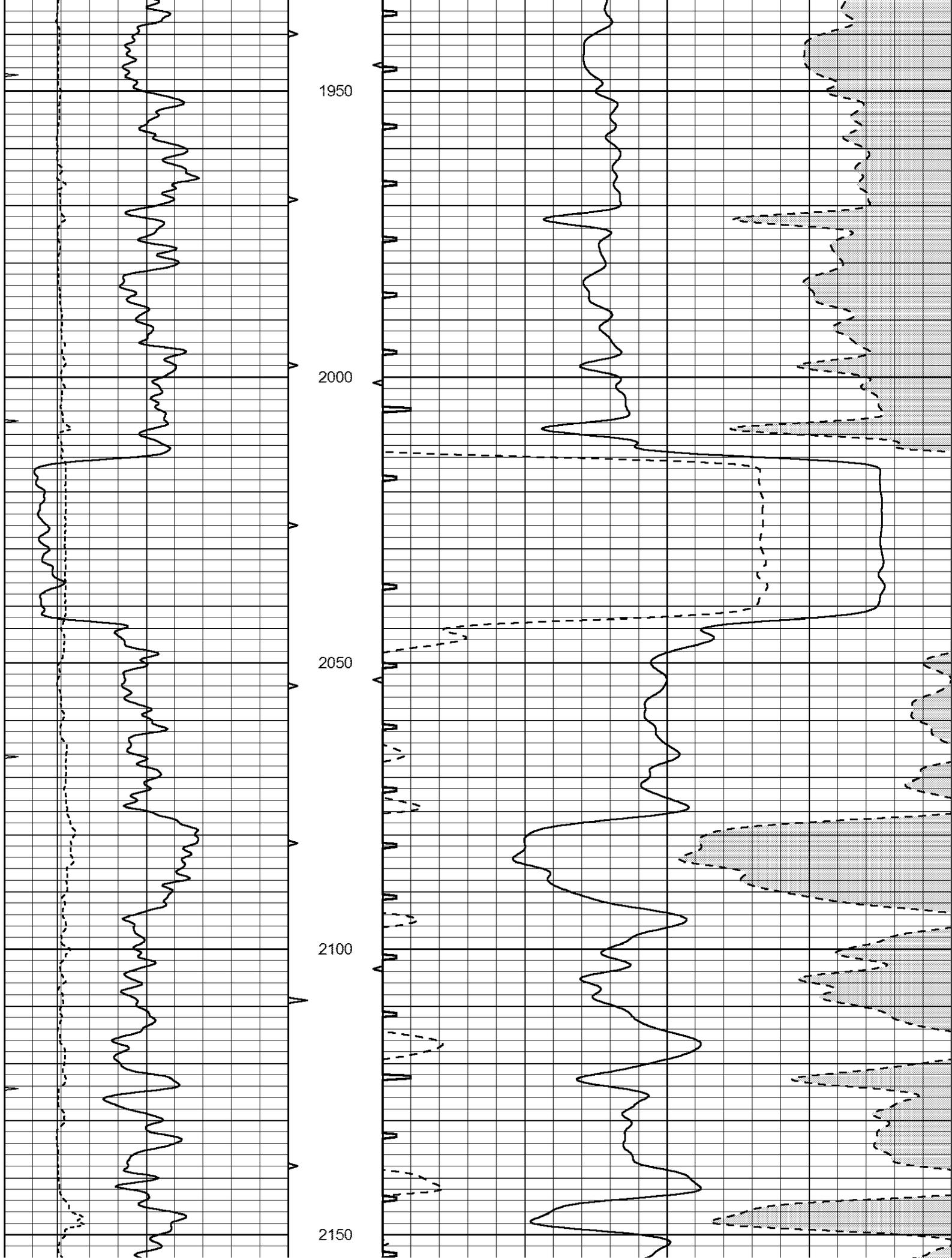
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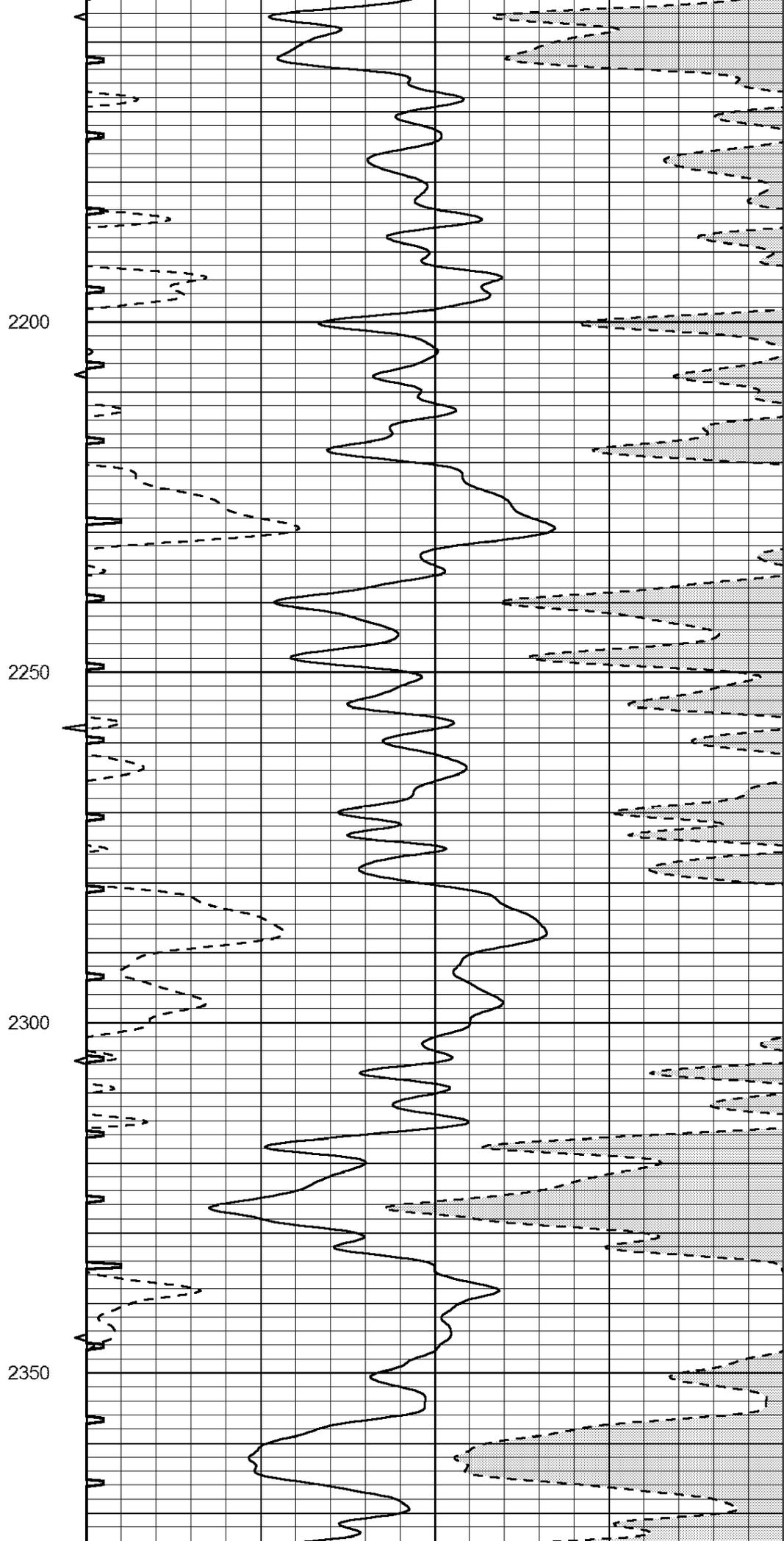
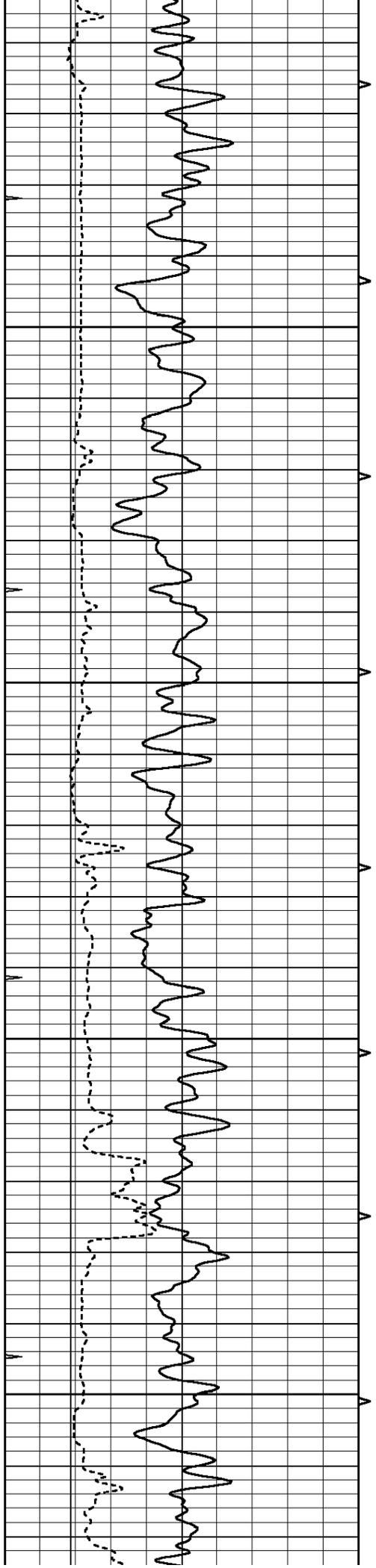
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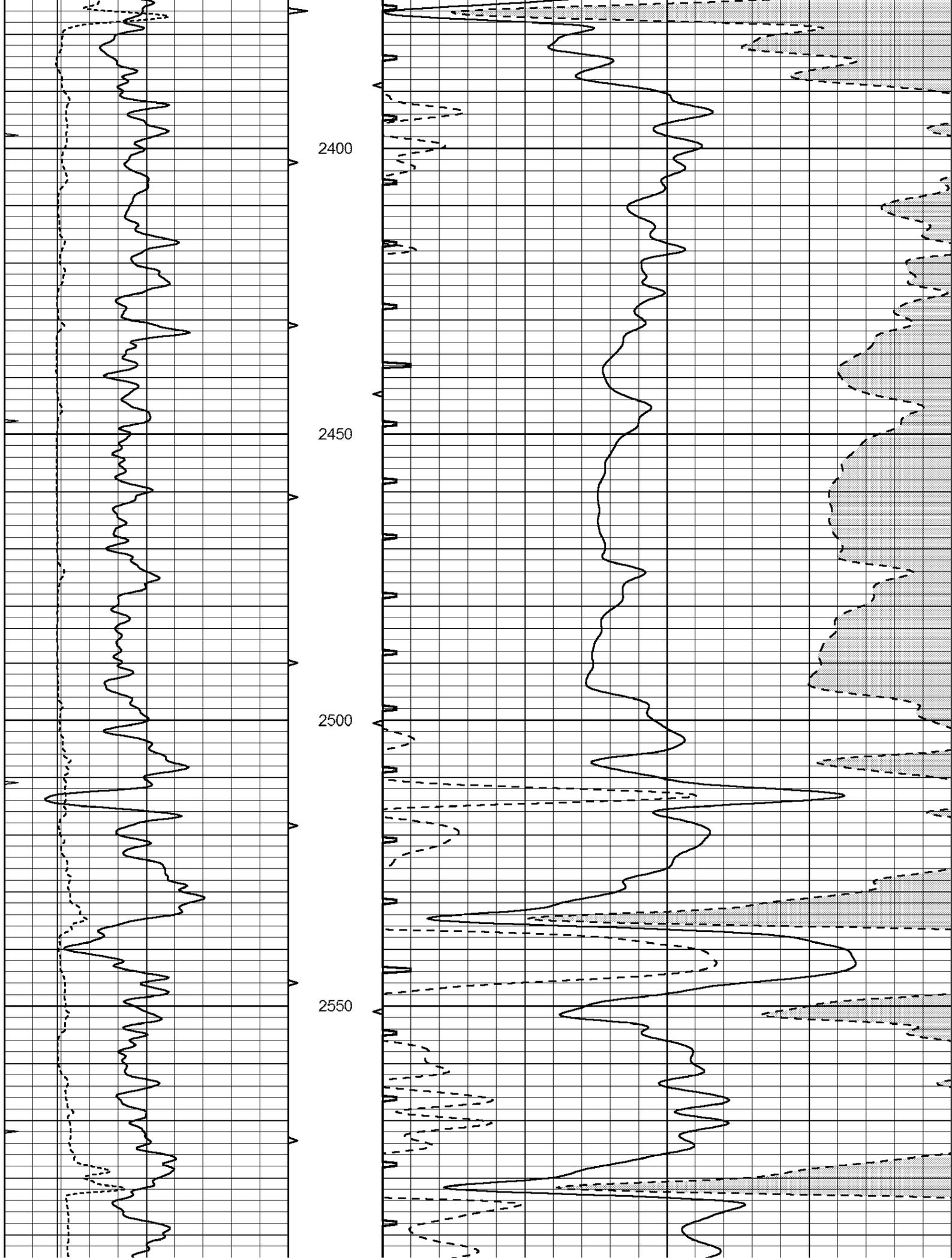
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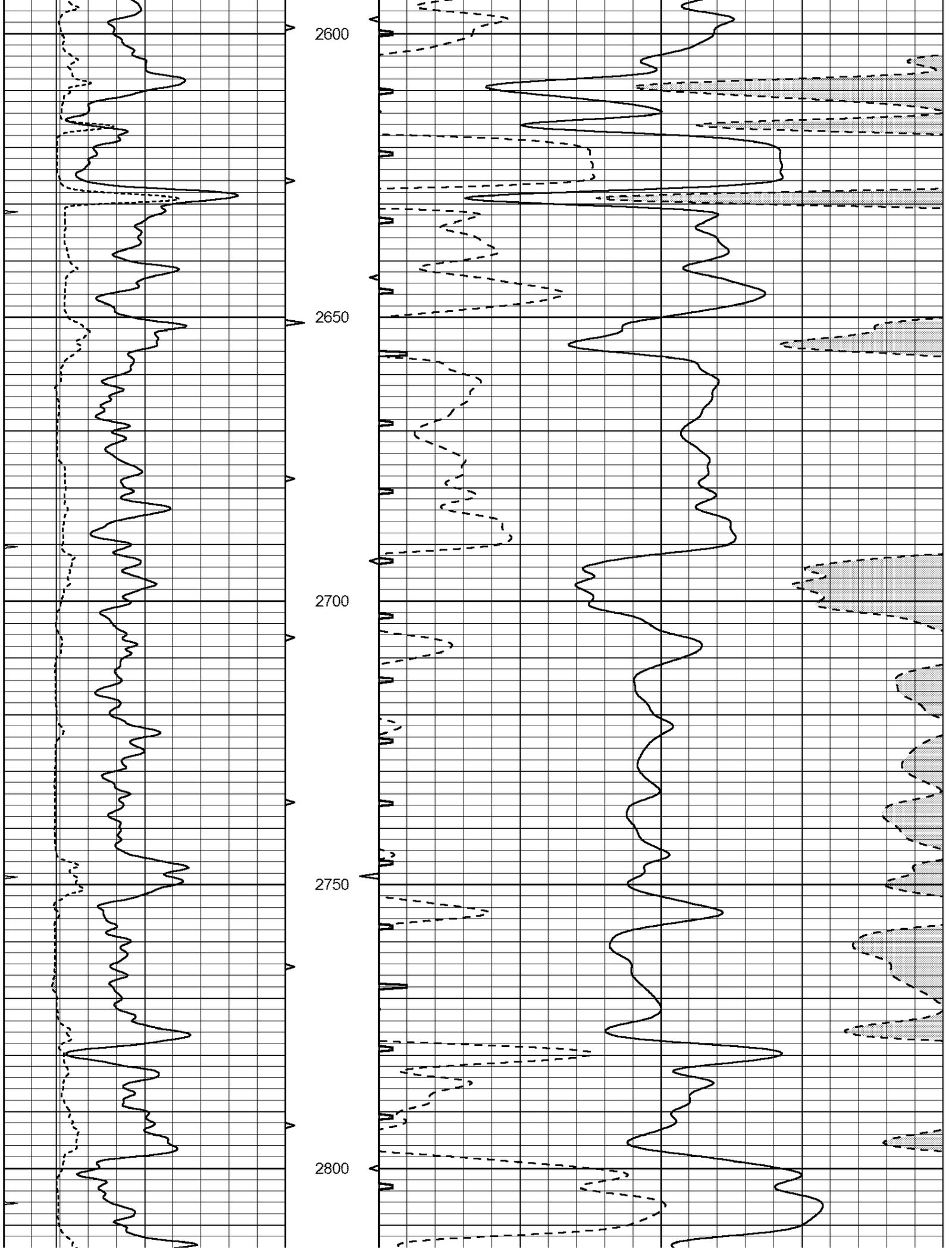
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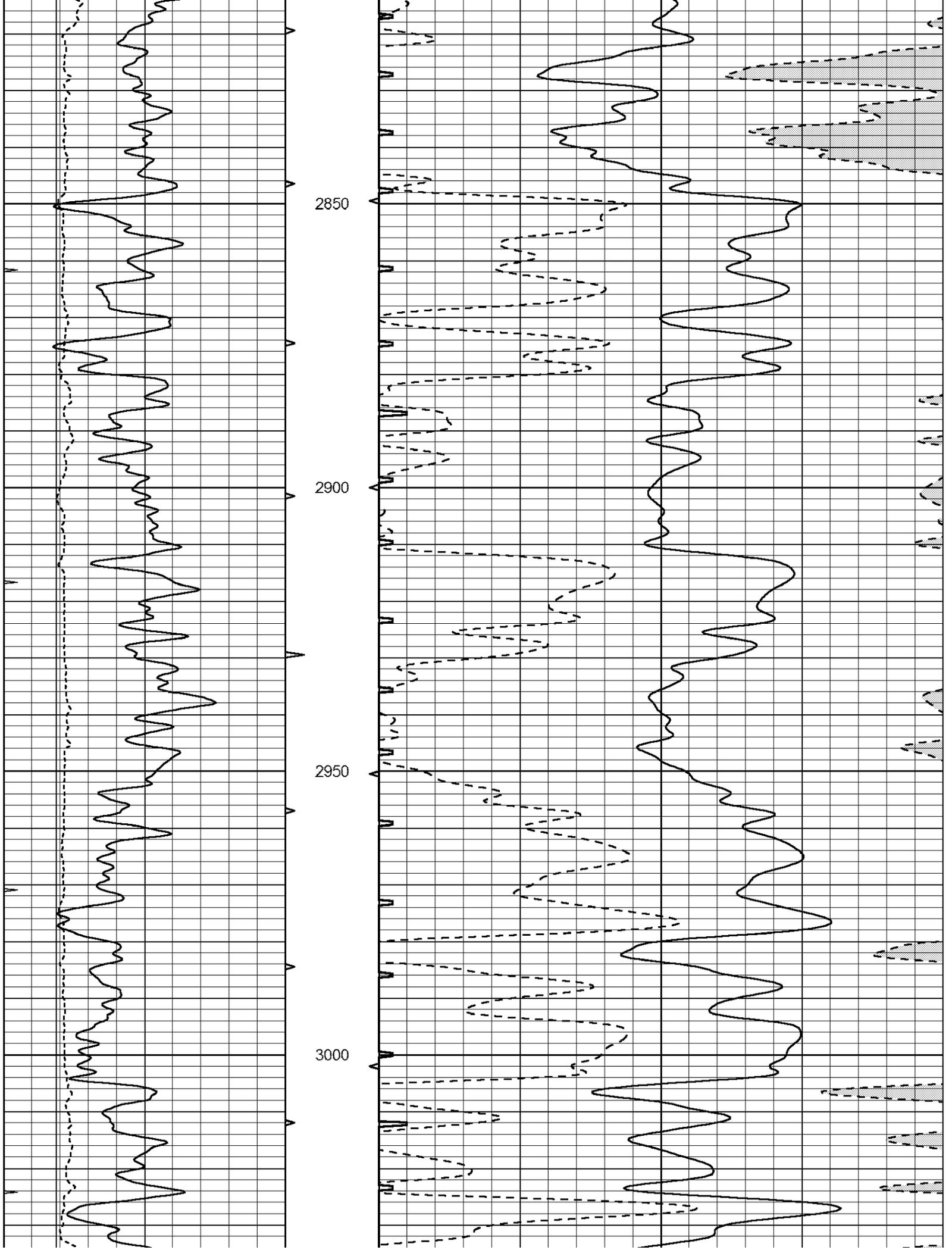


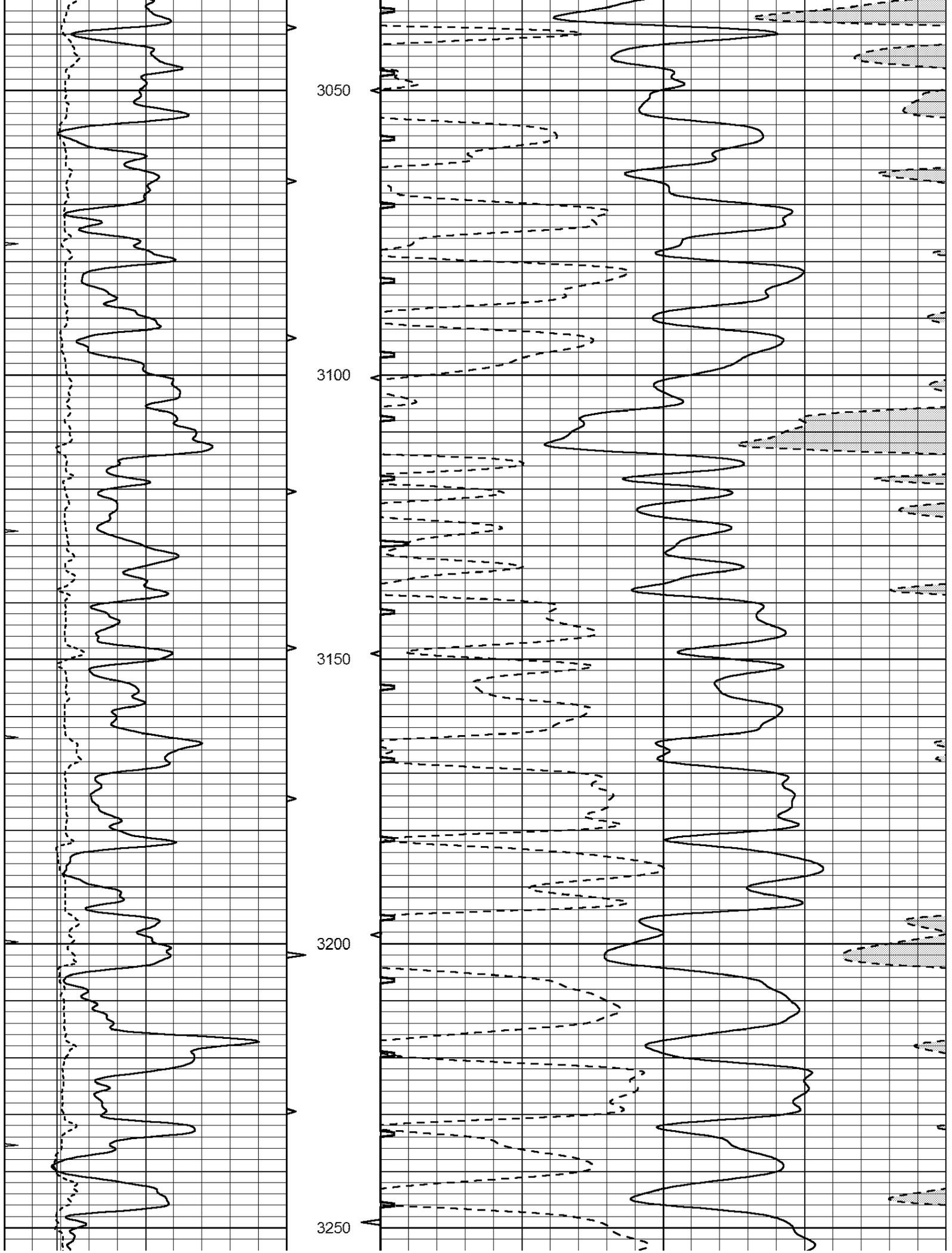


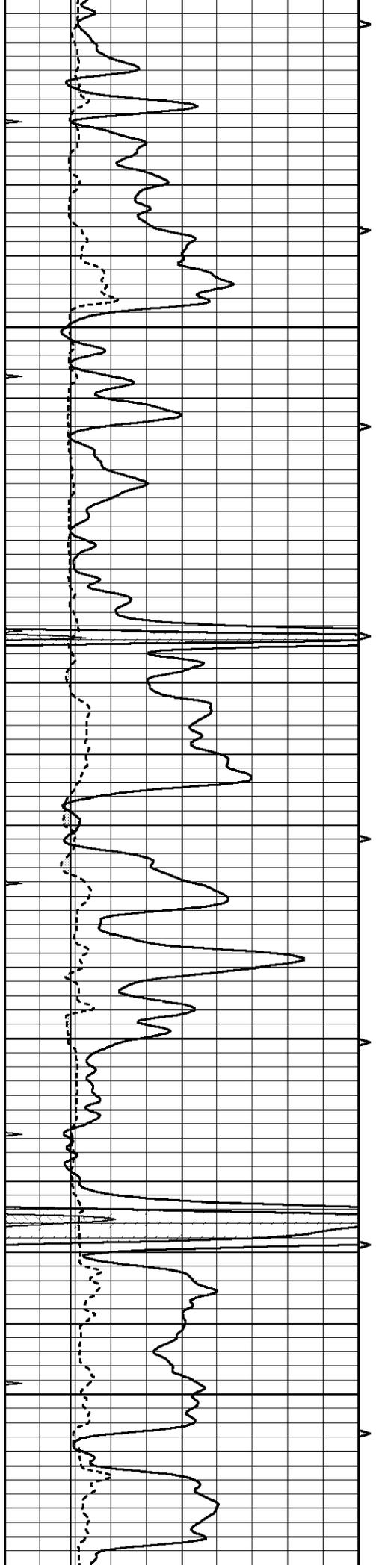










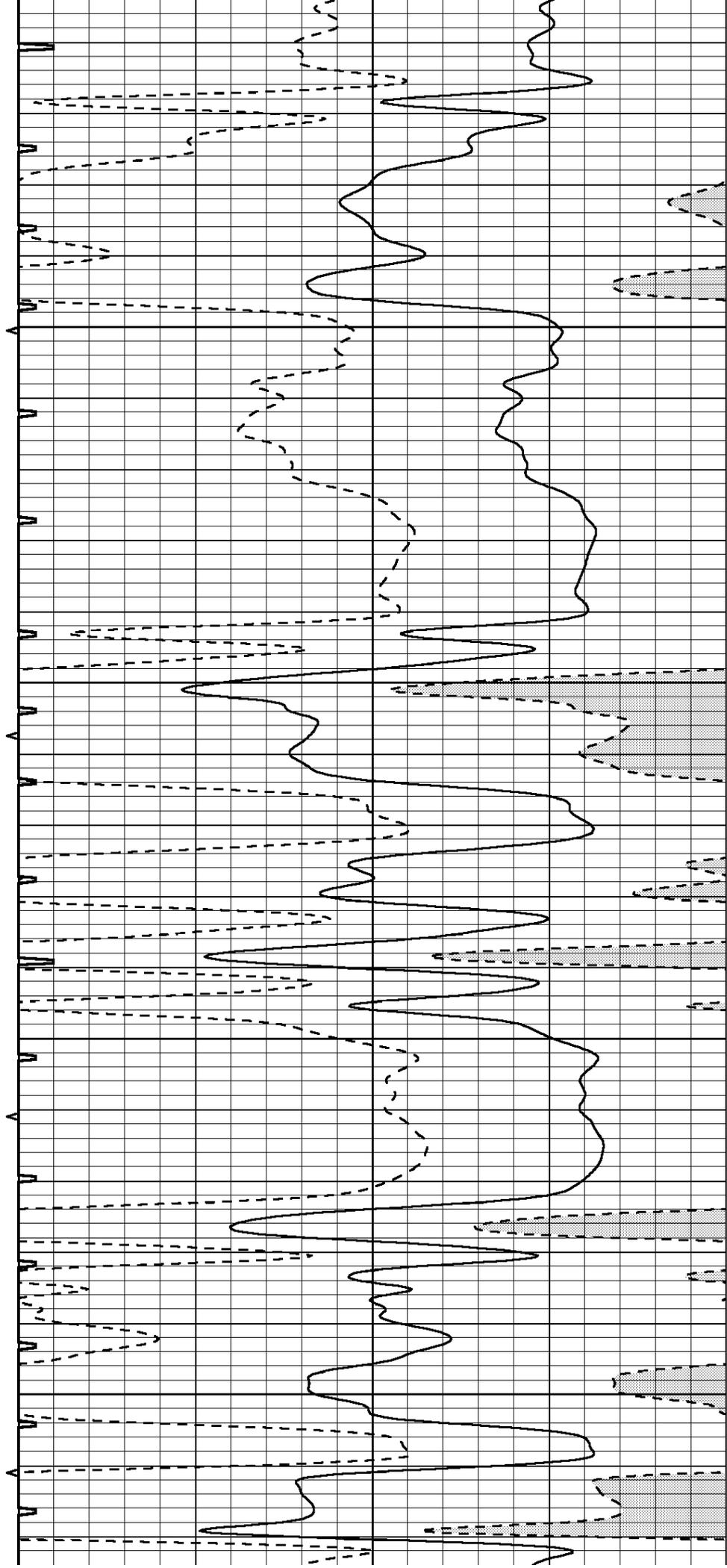


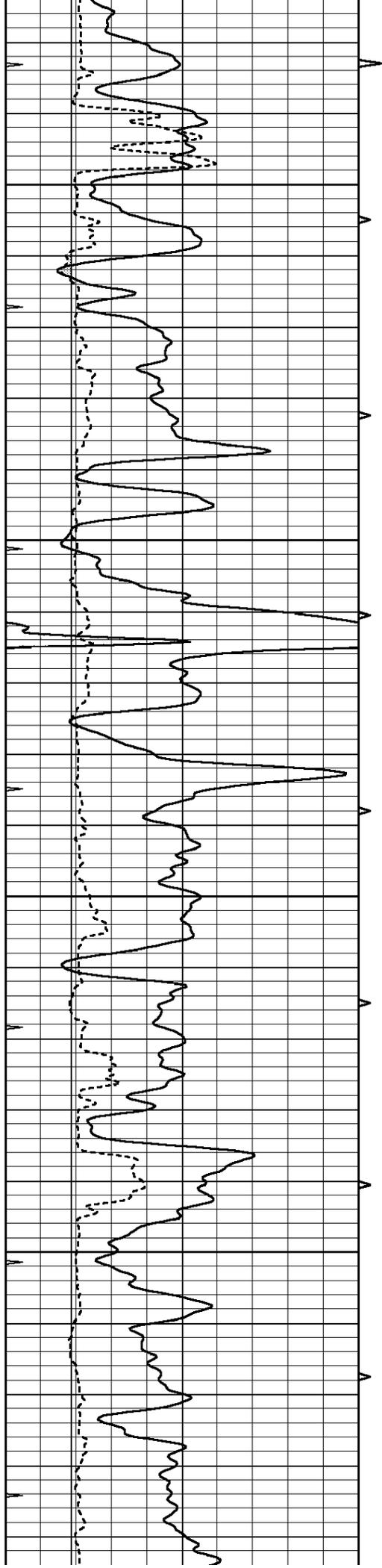
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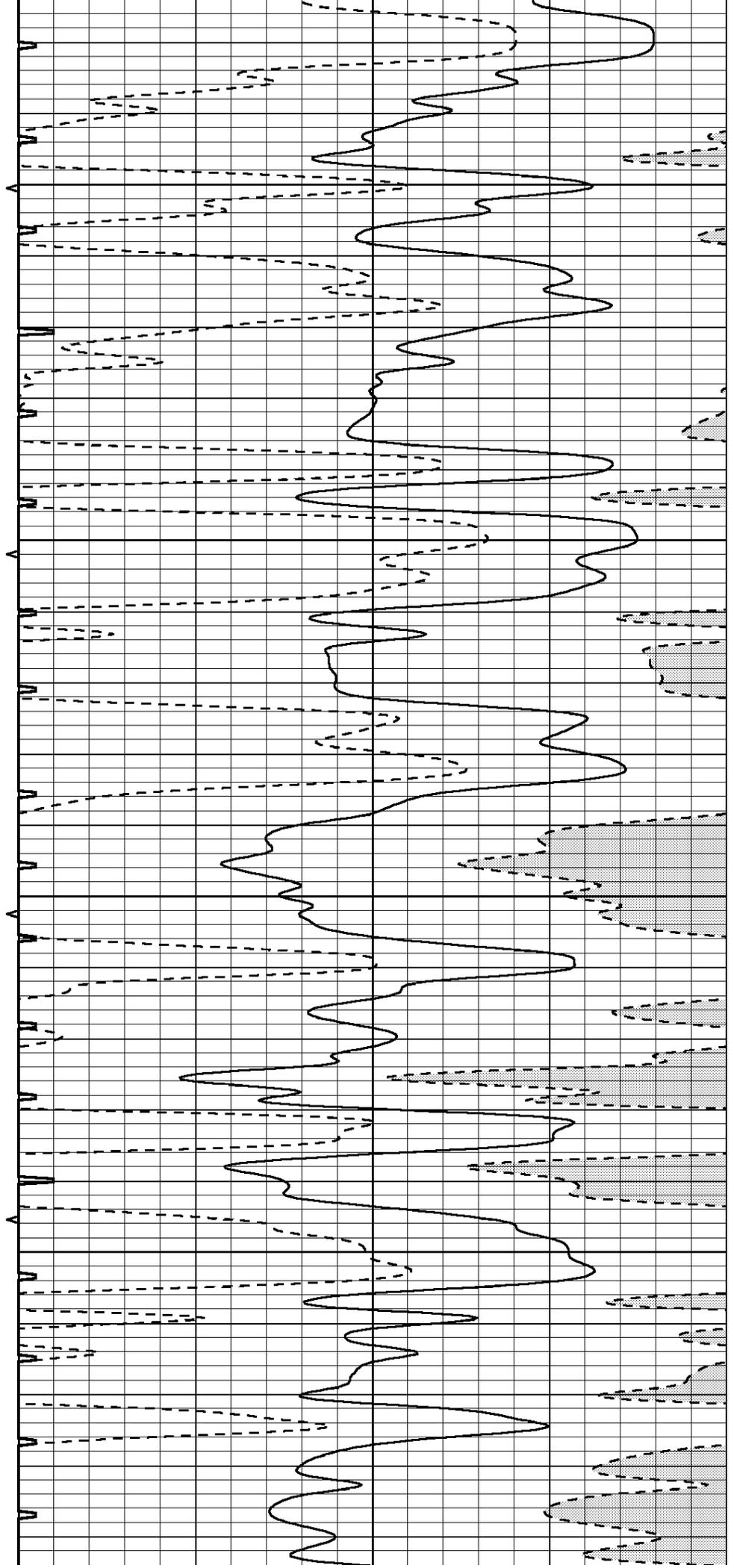


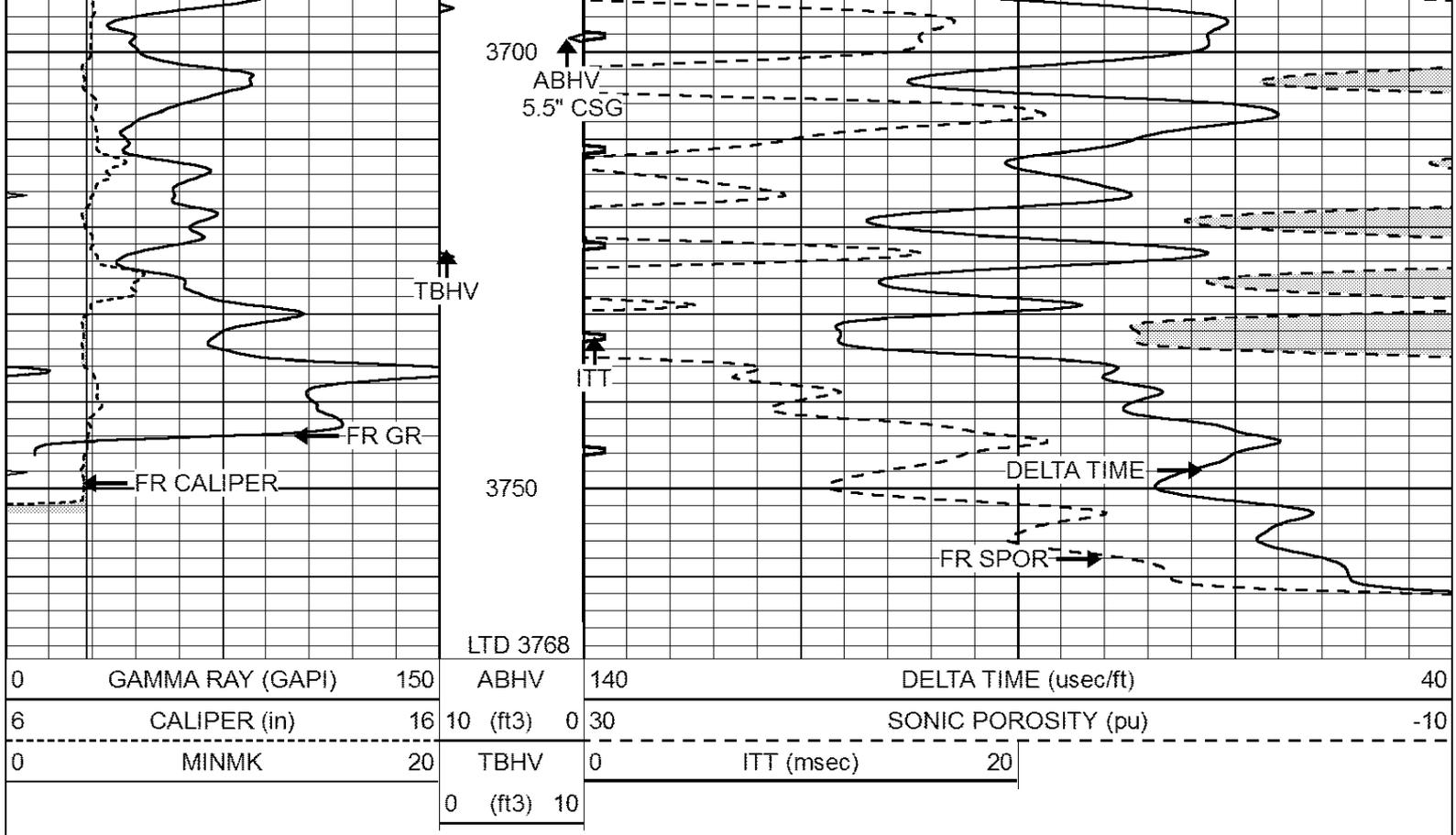
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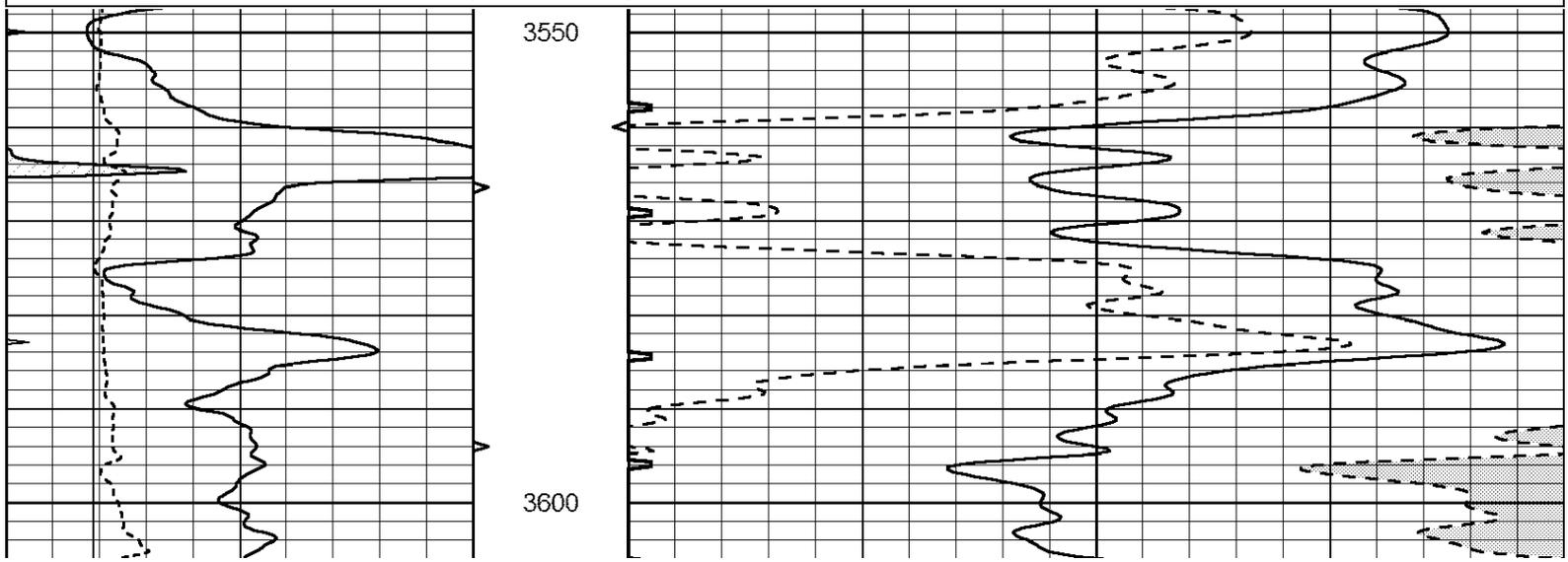


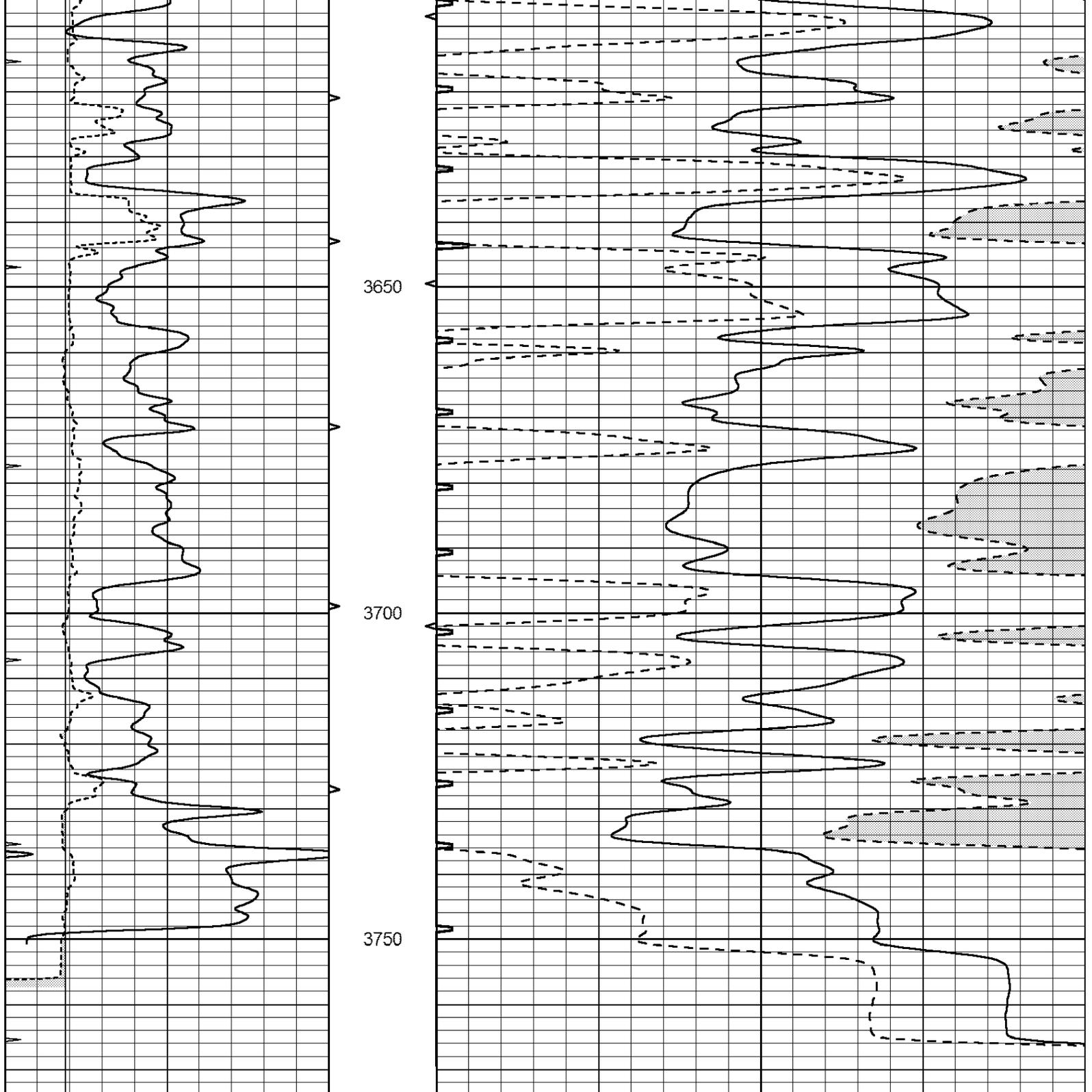


REPEAT SECTION

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 Dataset Pathname: pass5.1.2
 Presentation Format: _slt
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