



**SONIC
LOG**

Company **ABERCROMBIE ENERGY**
 Well **OWEN #8**
 Field **OWEN**
 County **LOGAN** State **KANSAS**

Location: **API # : 15-109-21559-0000**
2310' FSL & 330' FEL
 SEC 21 TWP 12S RGE 33W
 Permanent Datum **GROUND LEVEL Elevation 3104**
 Log Measured From **KELLY BUSHING 11' A.G.L**
 Drilling Measured From **KELLY BUSHING**

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Other Services
CDL/CNL
DIL/MEL
 Elevation
K.B. 3115
D.F. 3113
G.L. 3104

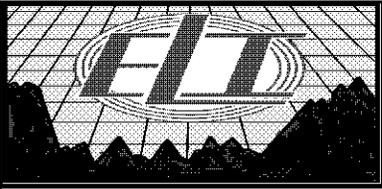
Date	8/14/18		
Run Number	TWO		
Depth Driller	4750		
Depth Logger	4754		
Bottom Logged Interval	4744		
Top Log Interval	350		
Casing Driller	8 5/8" @ 393'		
Casing Logger	393		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5000 PPM	
Density / Viscosity	9.3/66		
PH / Fluid Loss	10.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.60 @ 75F		
Rmt @ Meas. Temp	.45 @ 75F		
Rmc @ Meas. Temp	.72 @ 75F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.36 @ 123F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	123F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	GRANT GALYON	KENT CRISLER	

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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

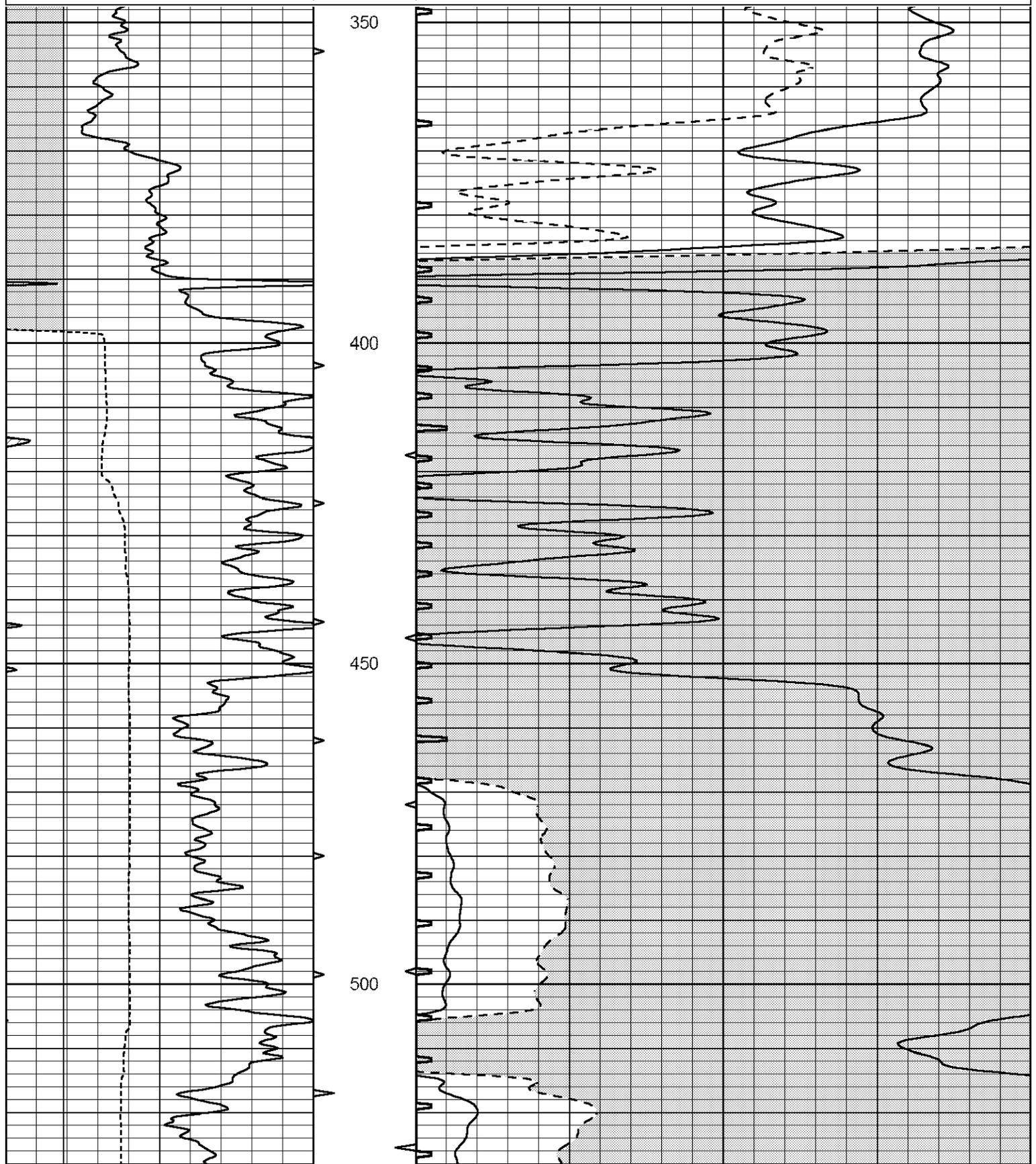
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
 DIRECTIONS
 OAKLEY, KS. - 9 SOUTH ON HWY 83 TO UTE RD. - 7 WEST TO 370 RD.
 1/2 NORTH - WEST INTO

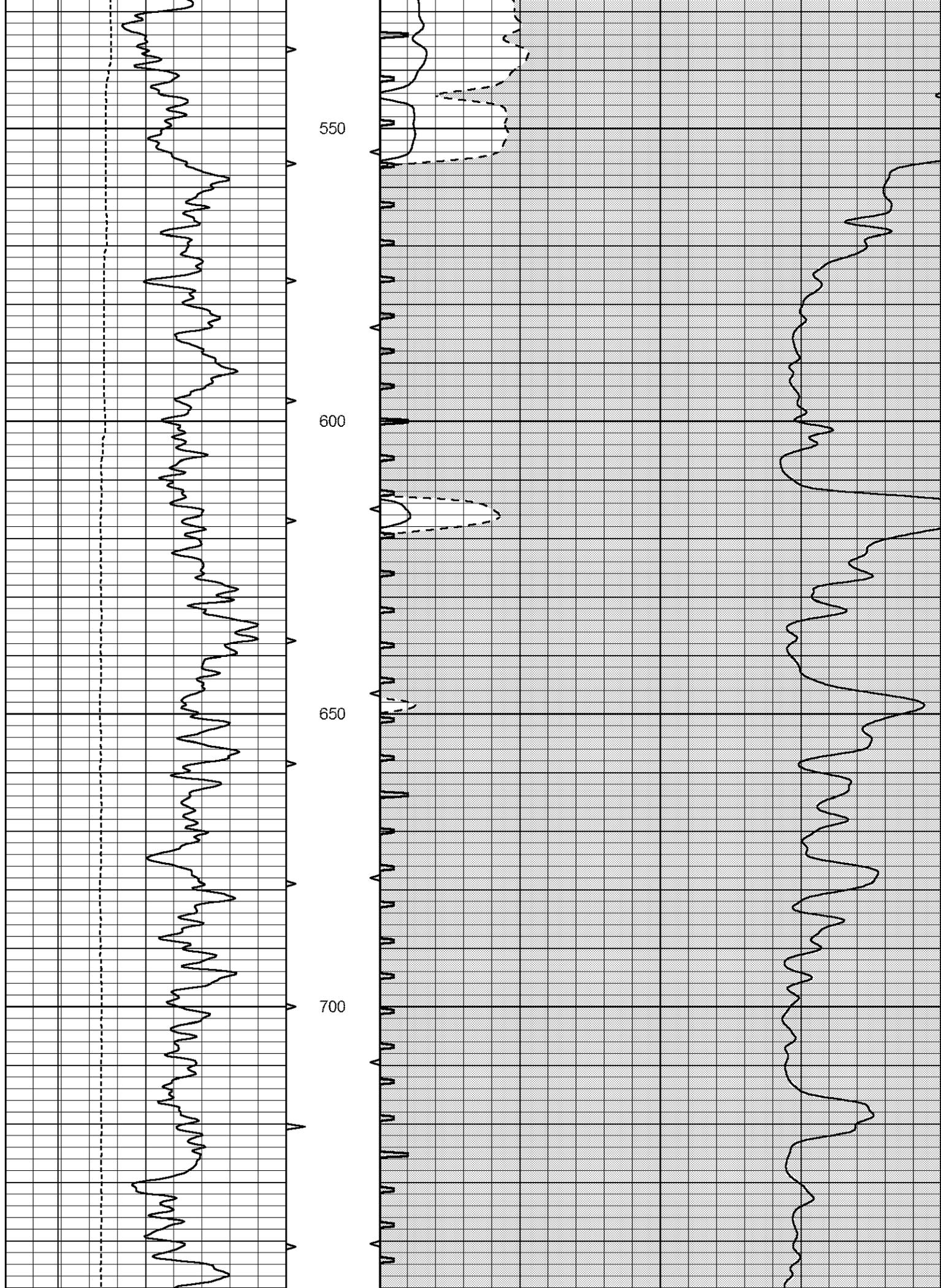


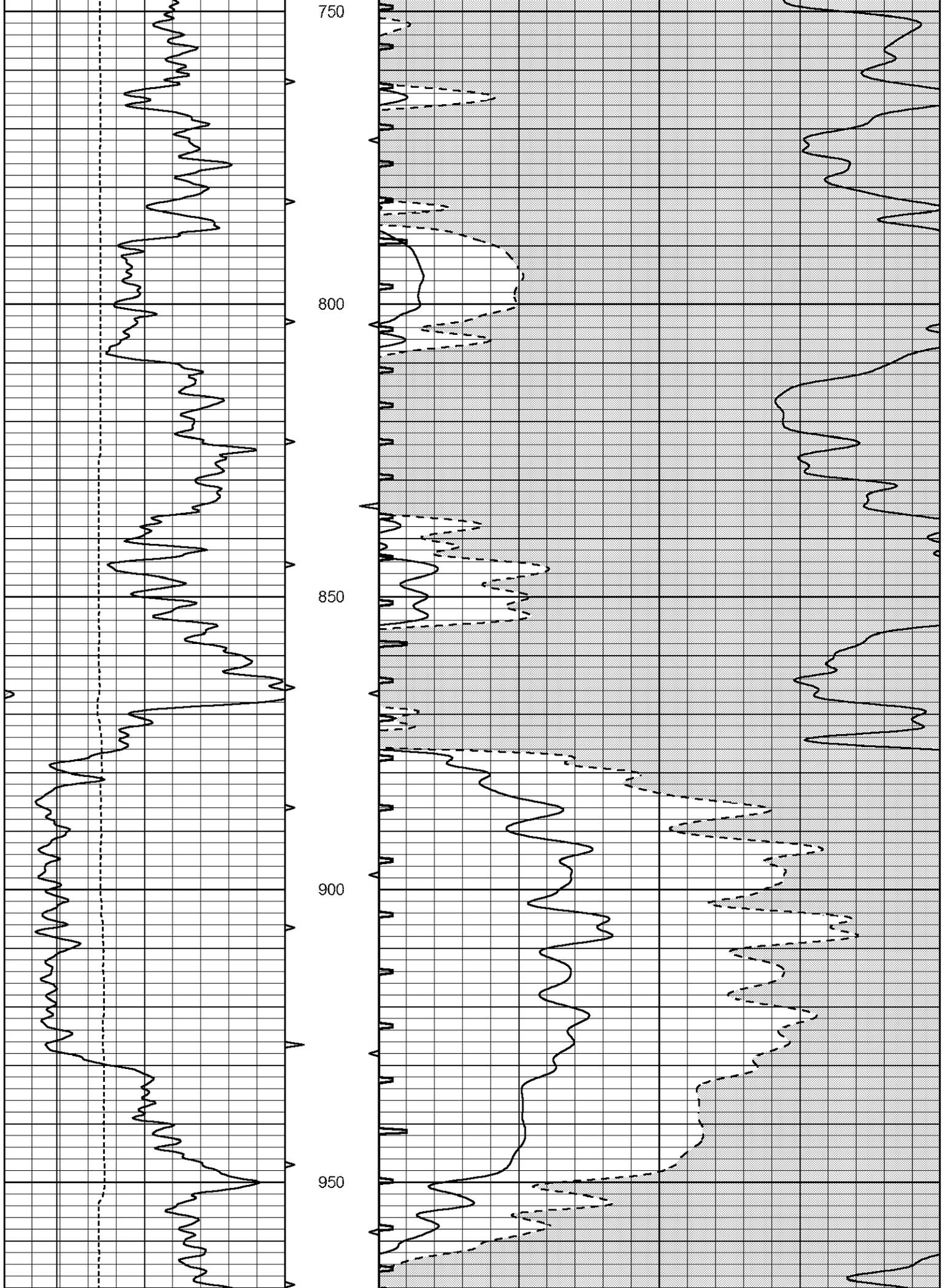
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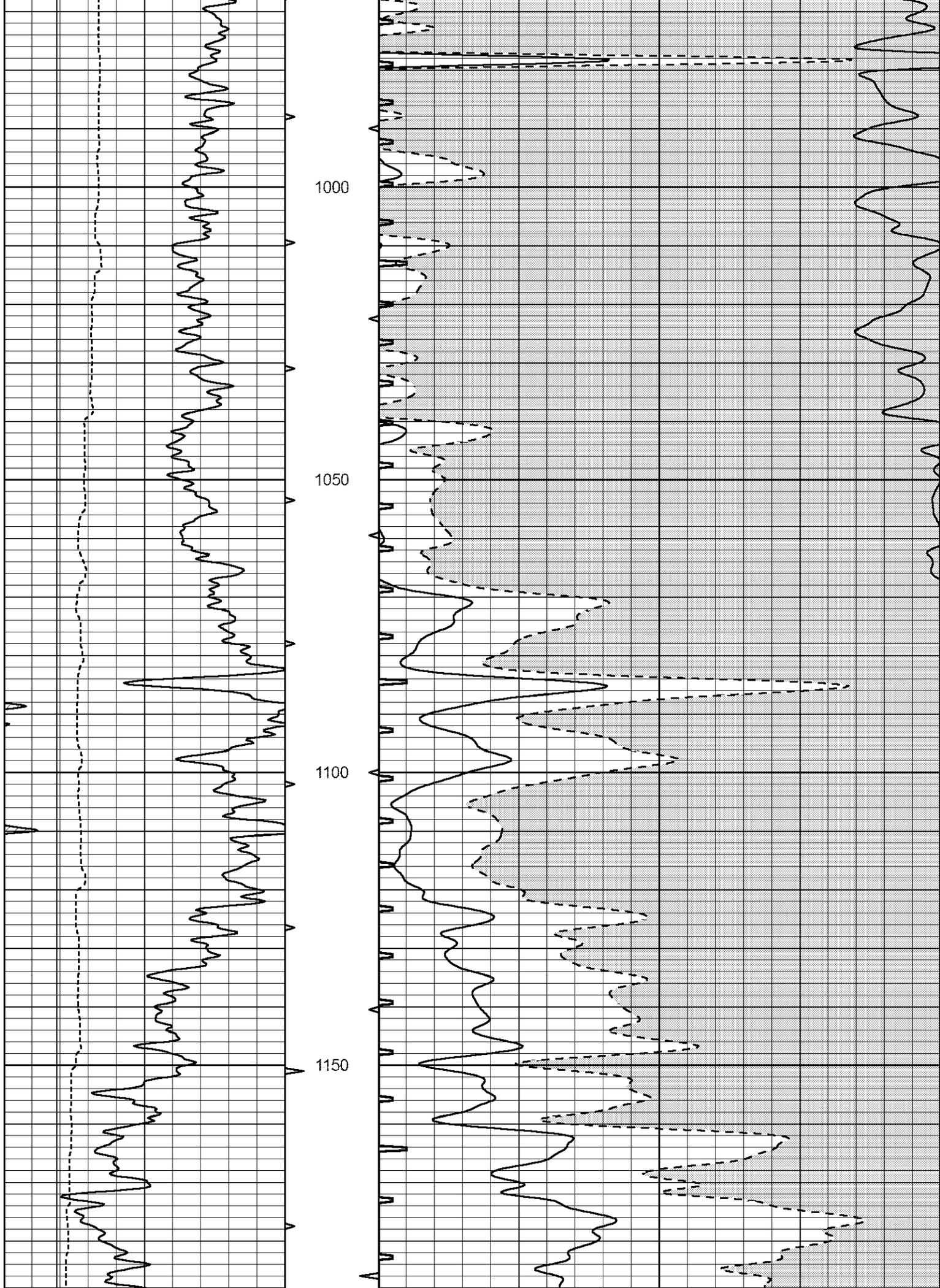
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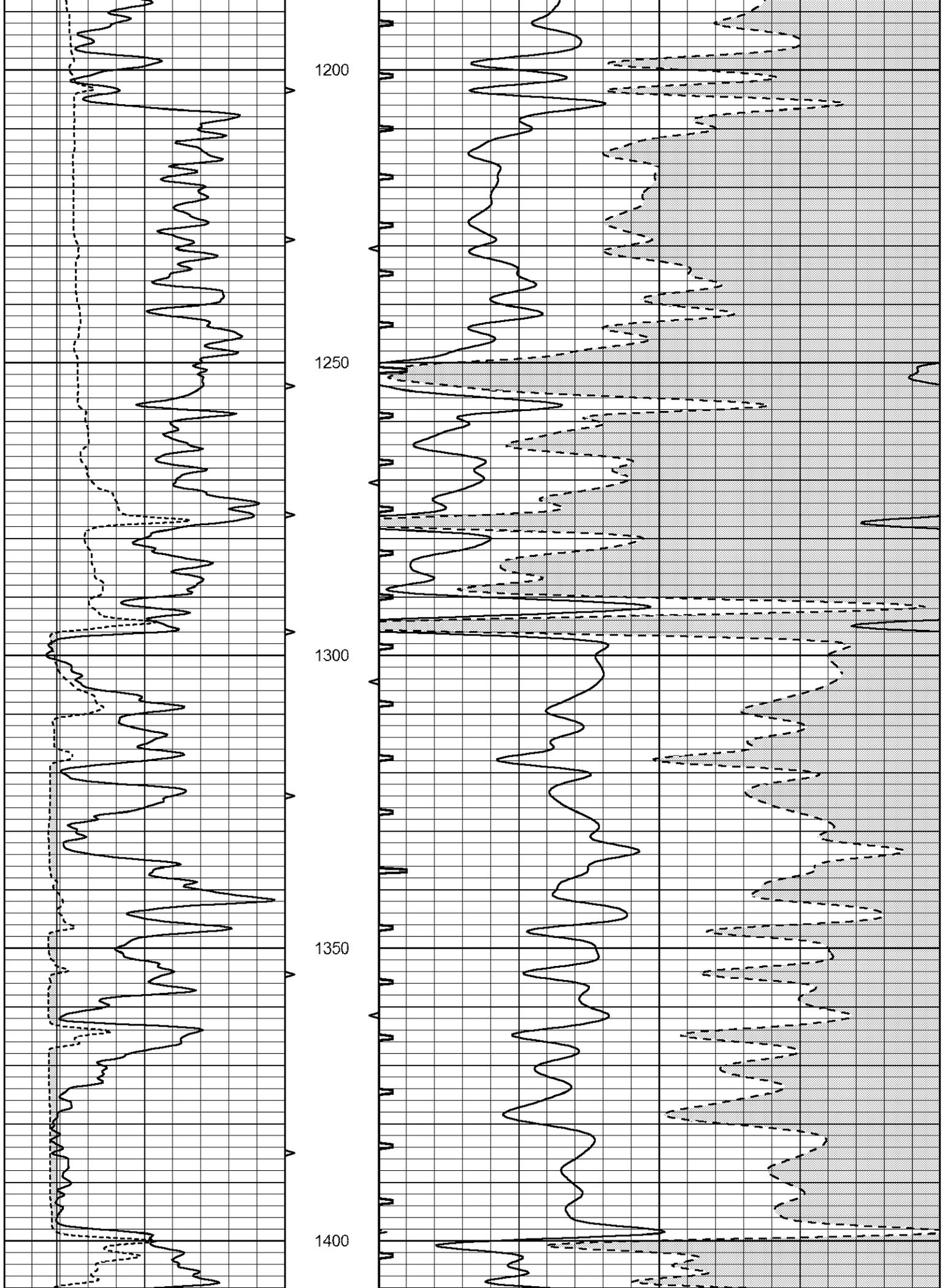
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6	CALIPER (in)	16	10 (ft3)	0	30	SONIC POROSITY (pu)	-10
			TBHV	0	ITT (msec)	20	
			0 (ft3)	10			

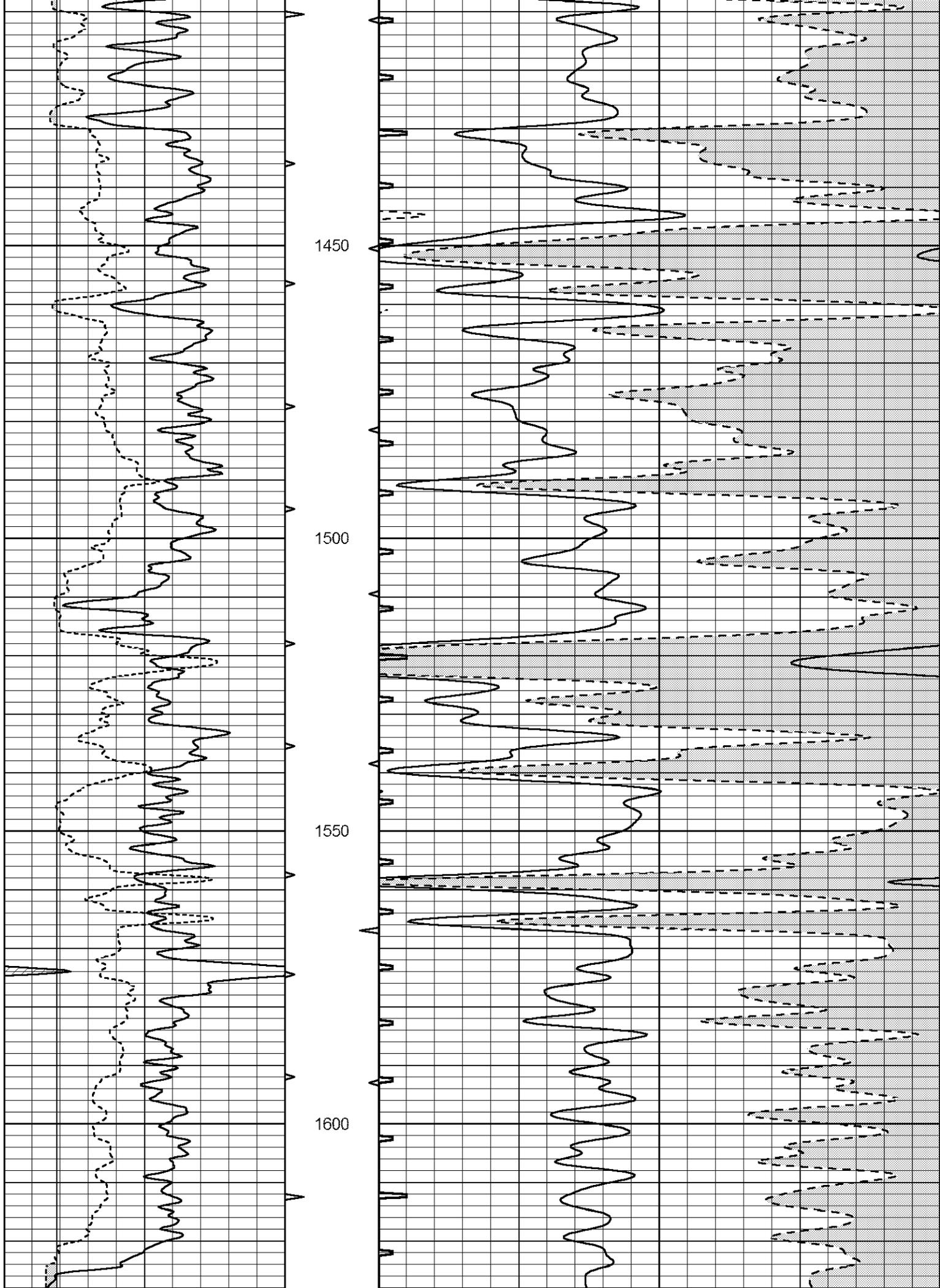


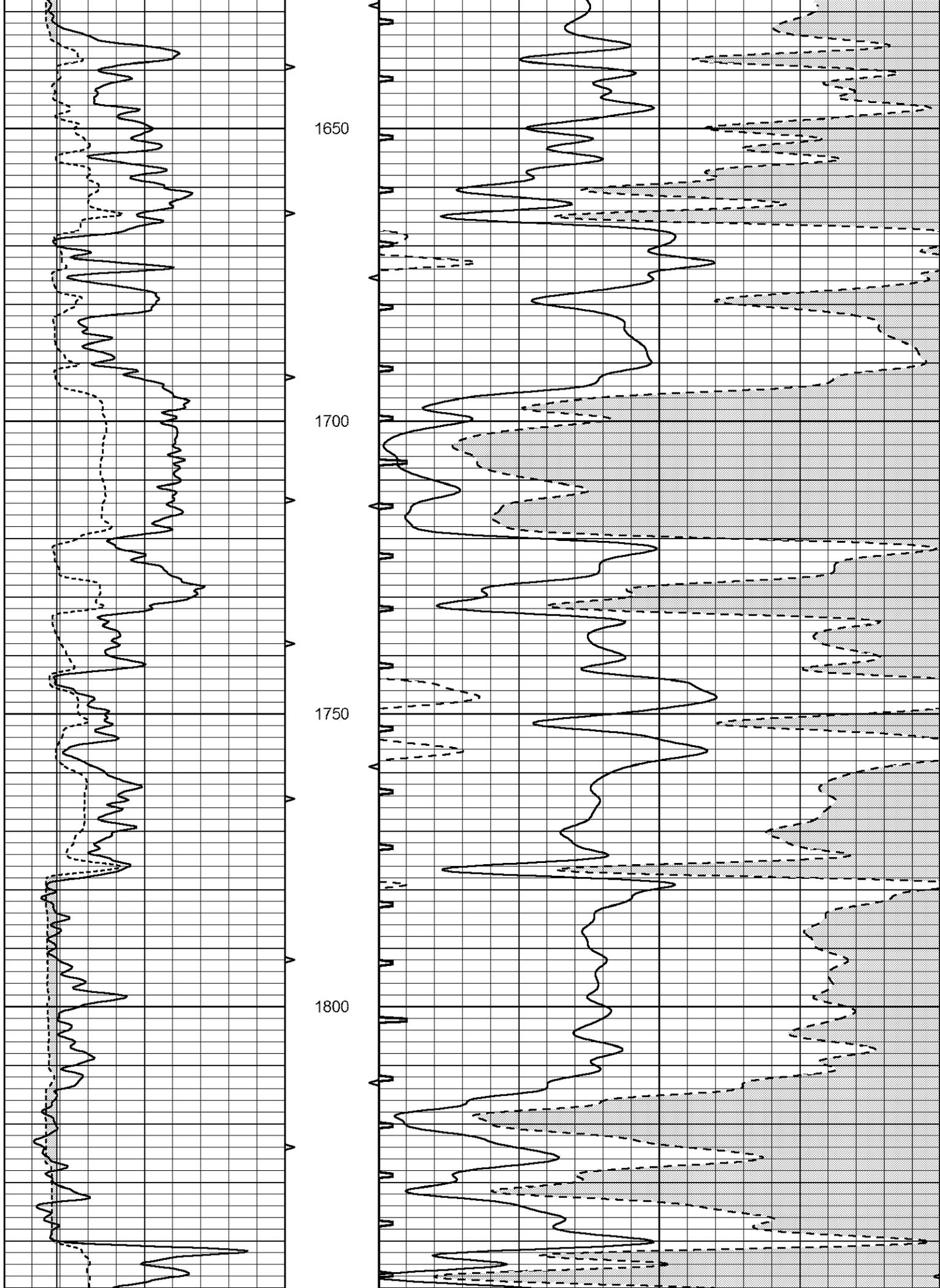


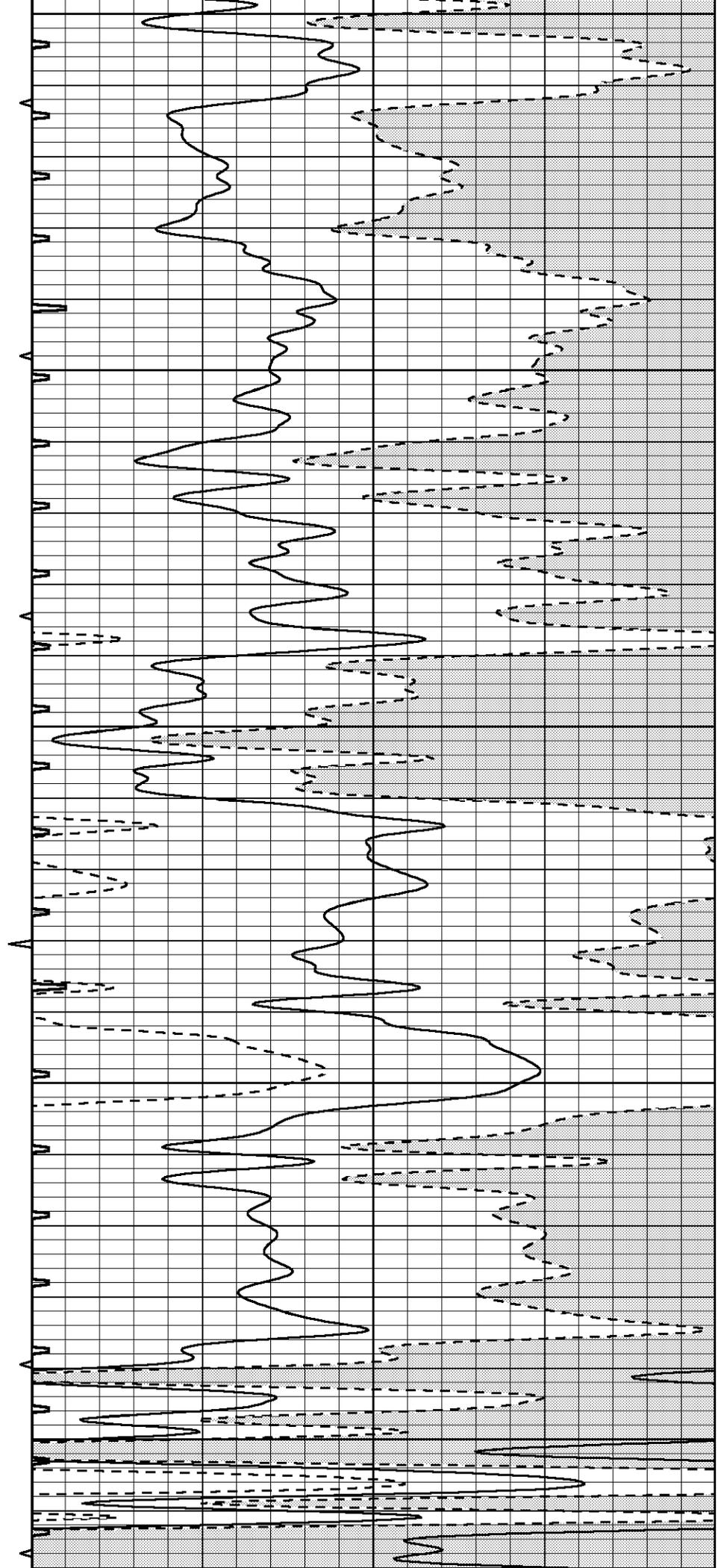
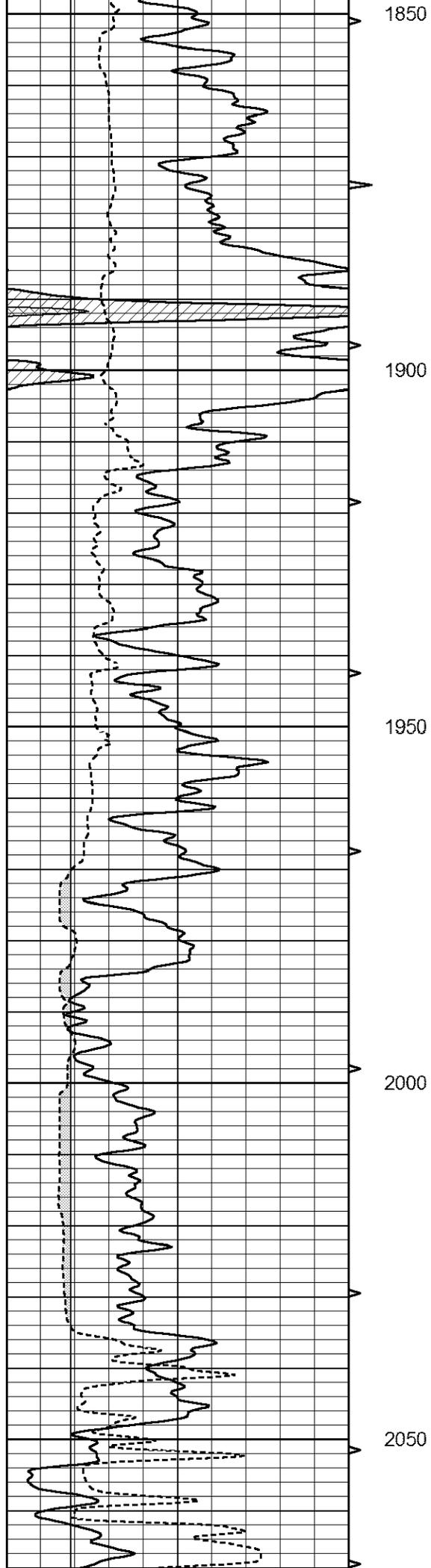


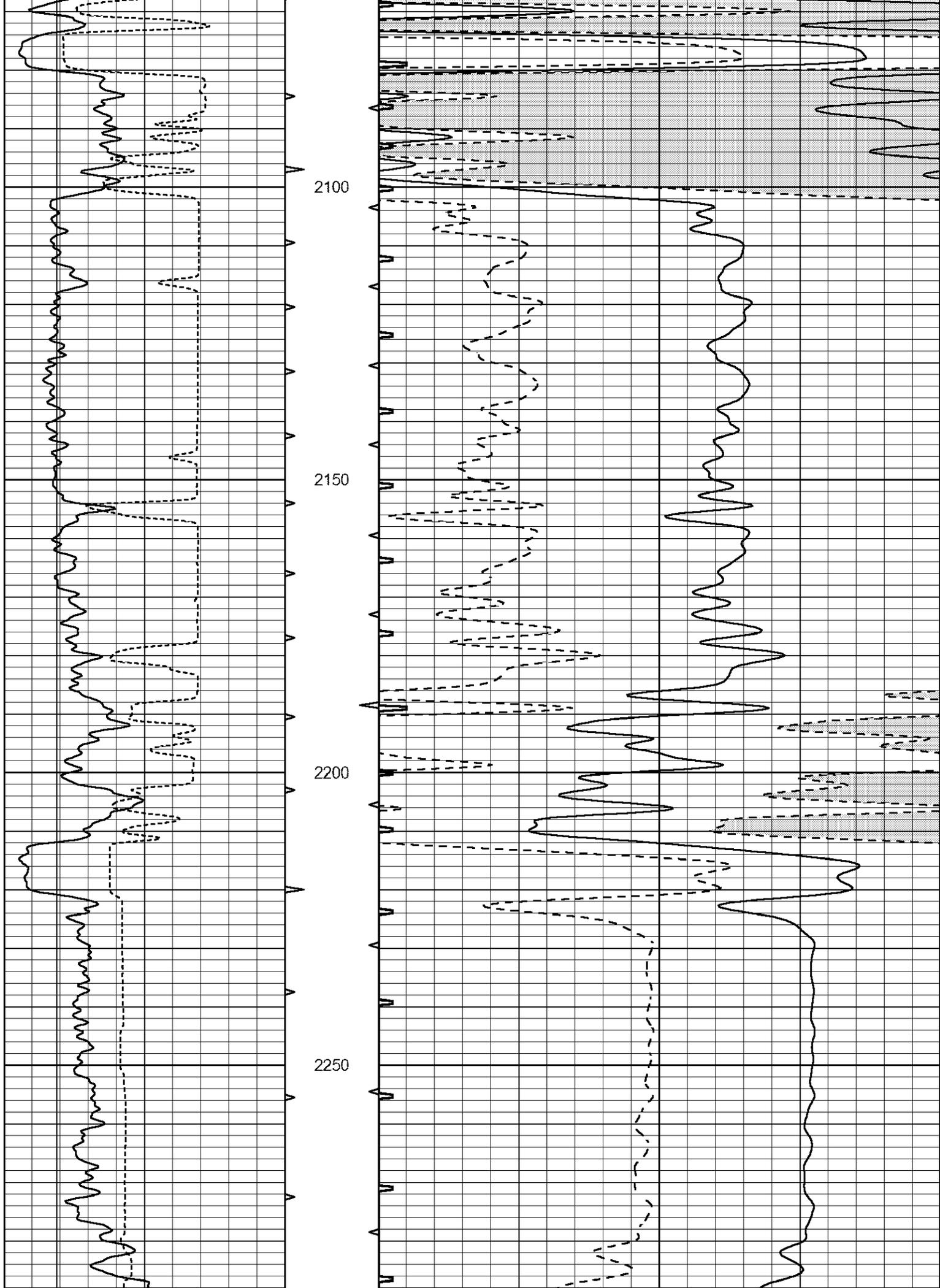


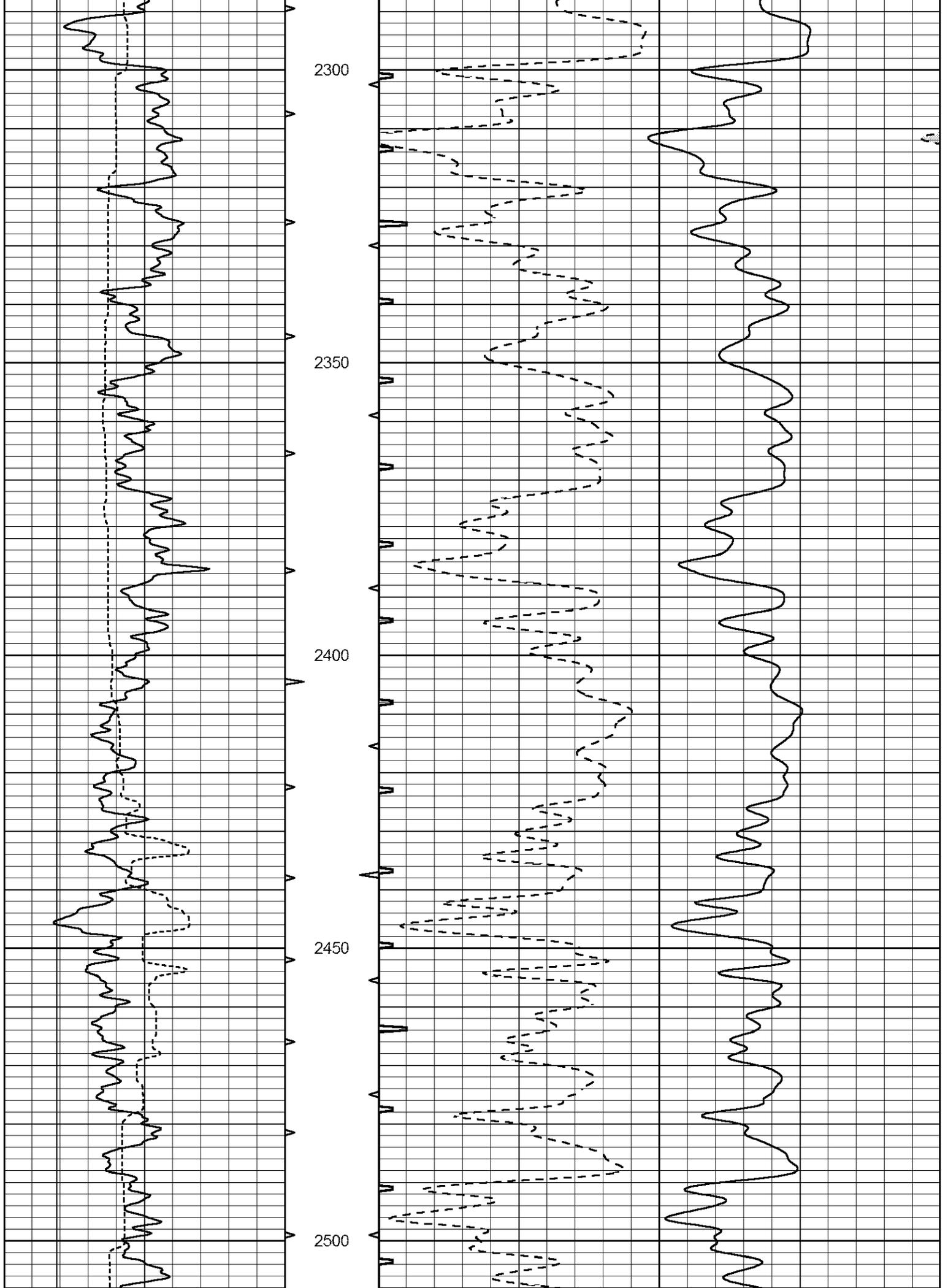


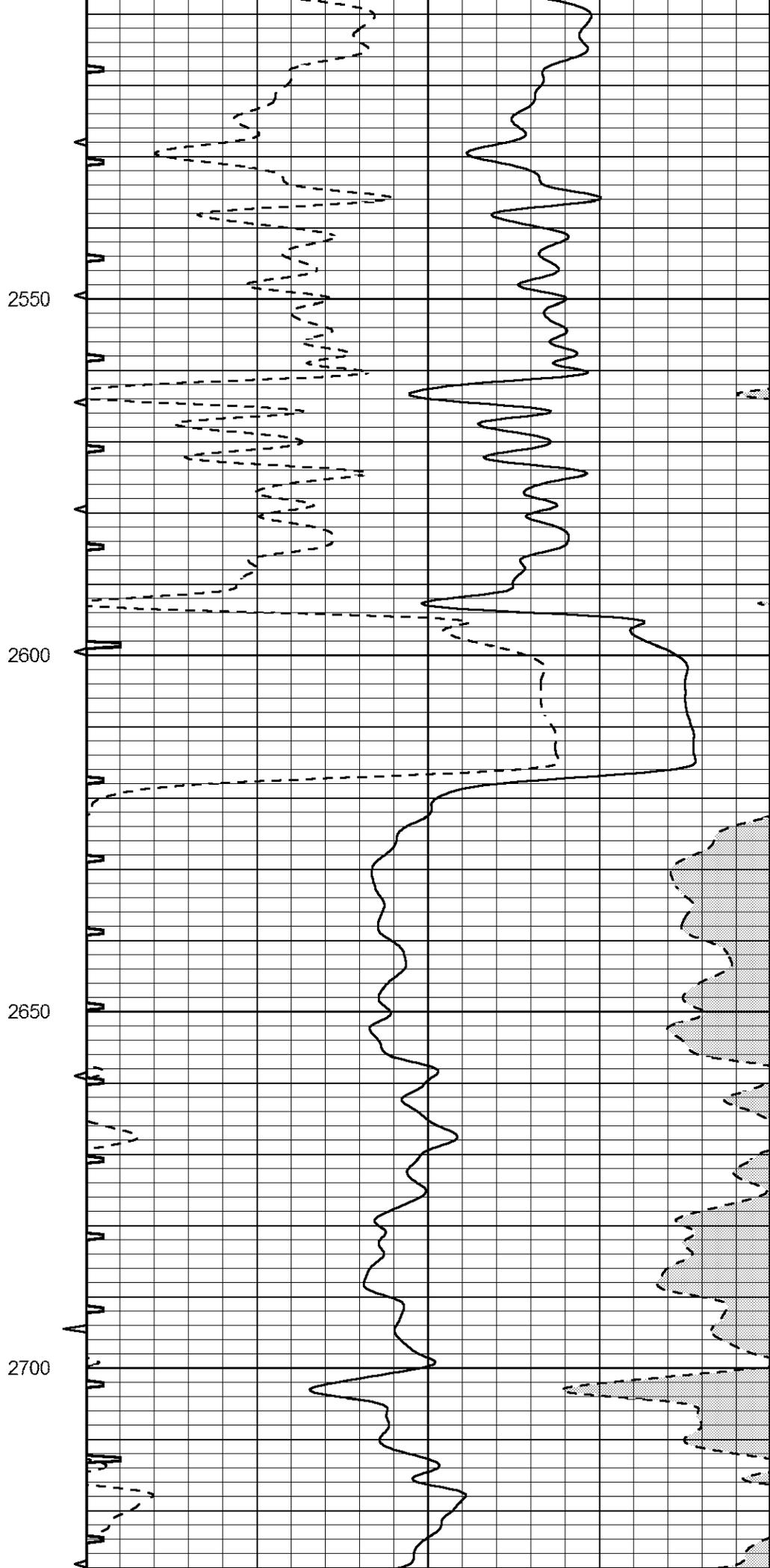
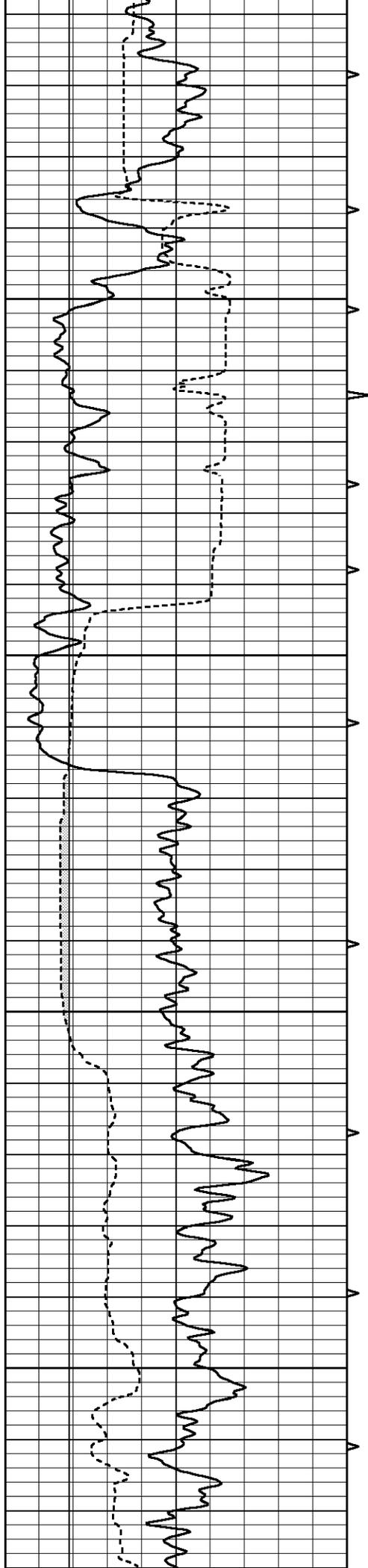


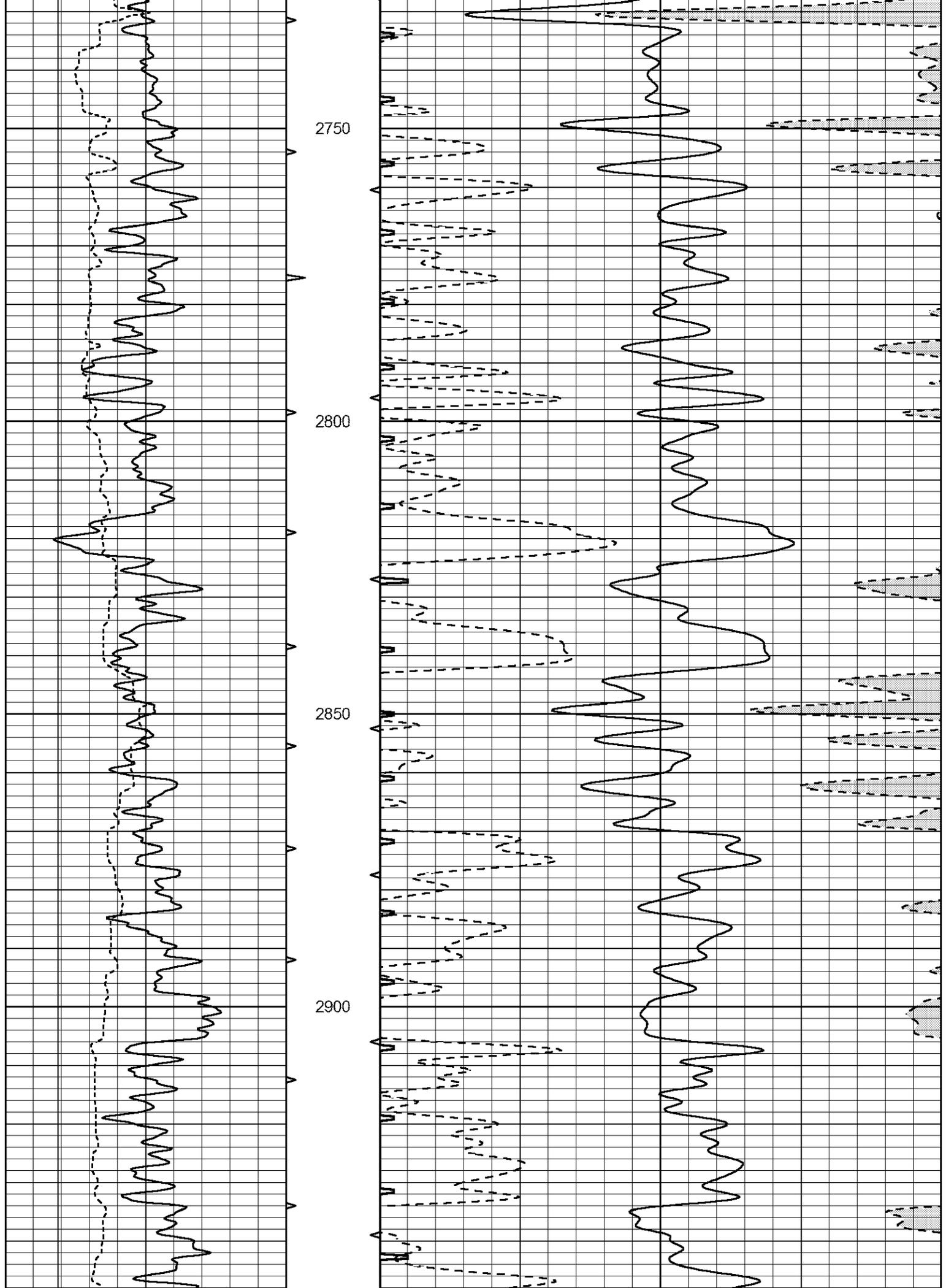


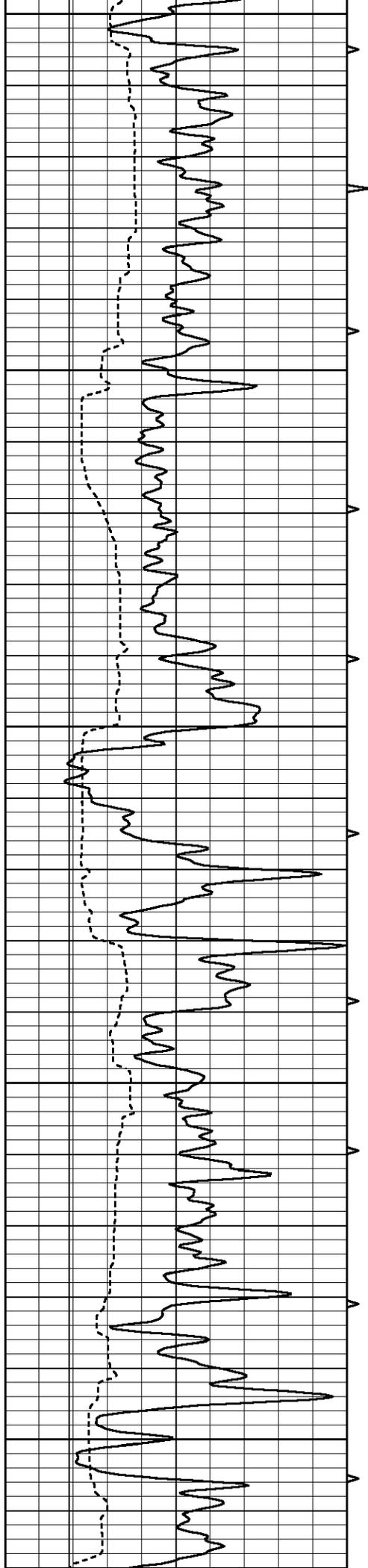












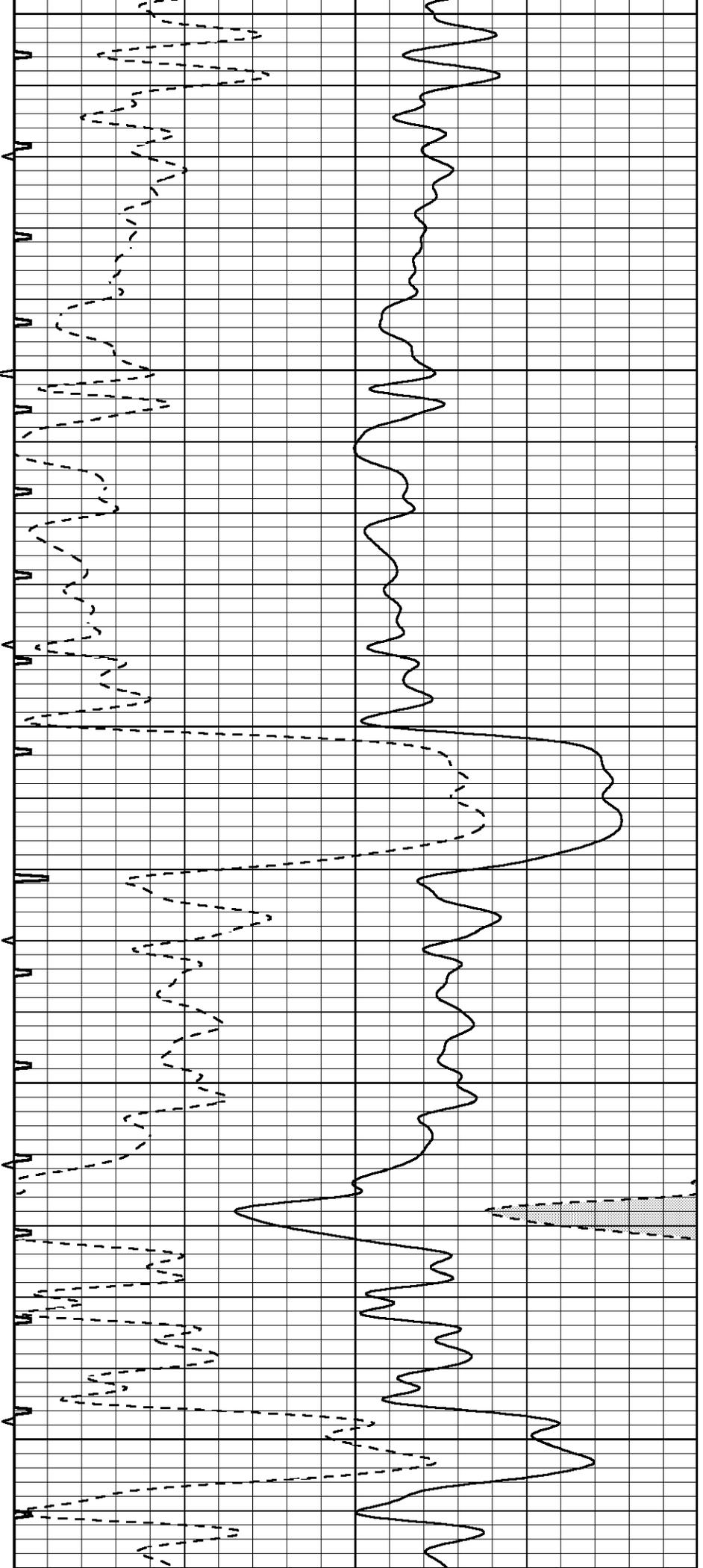
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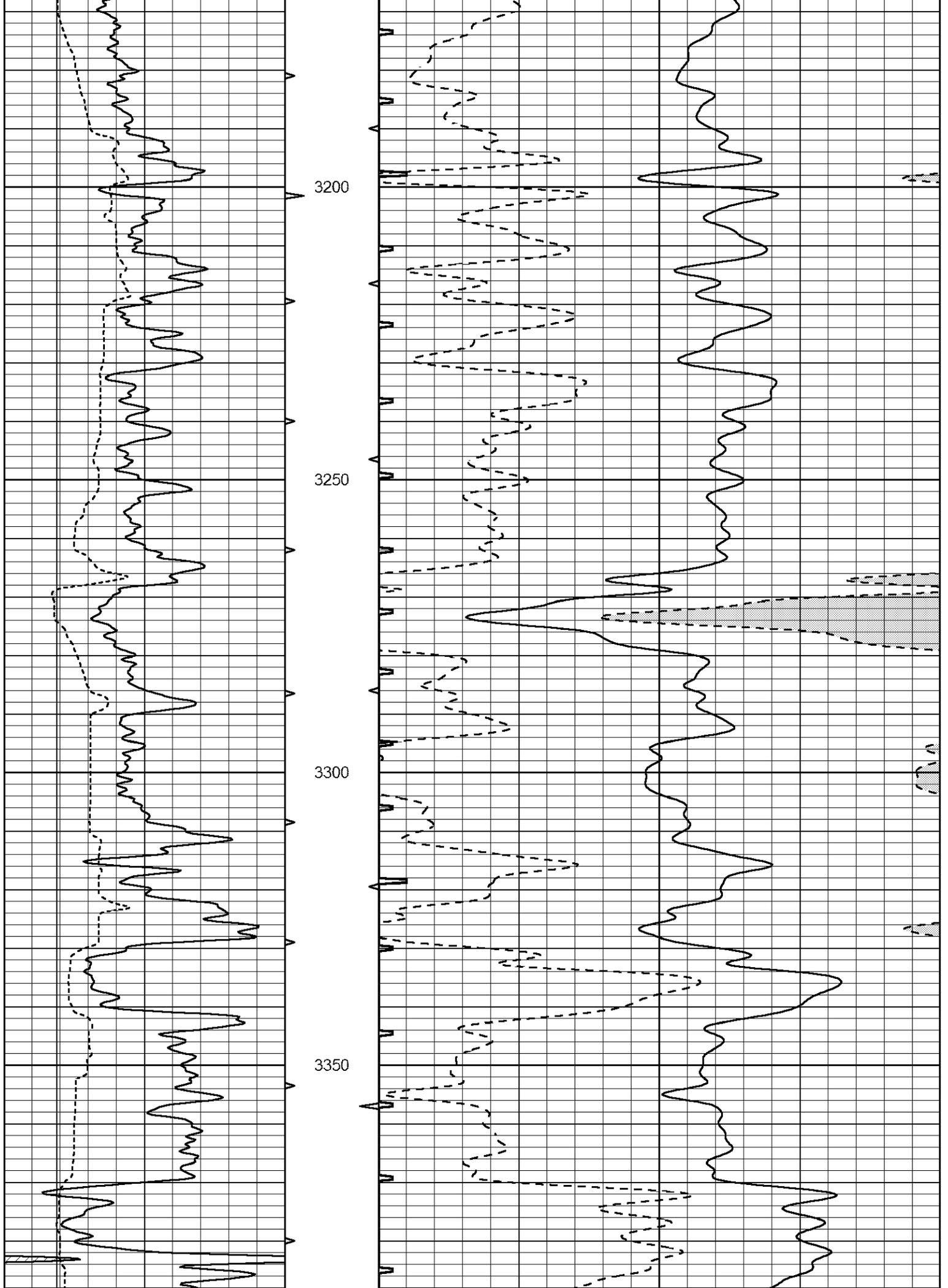
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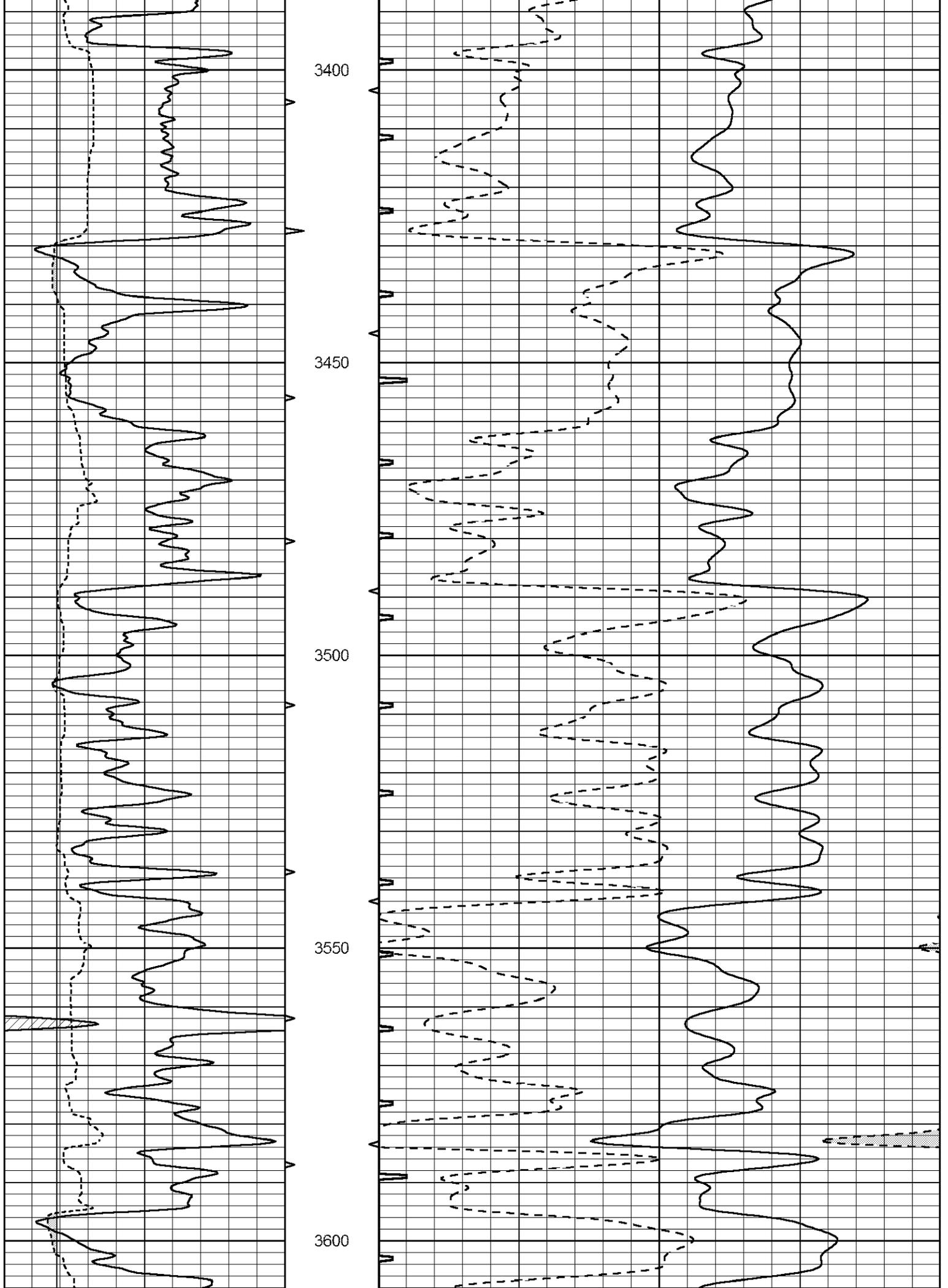
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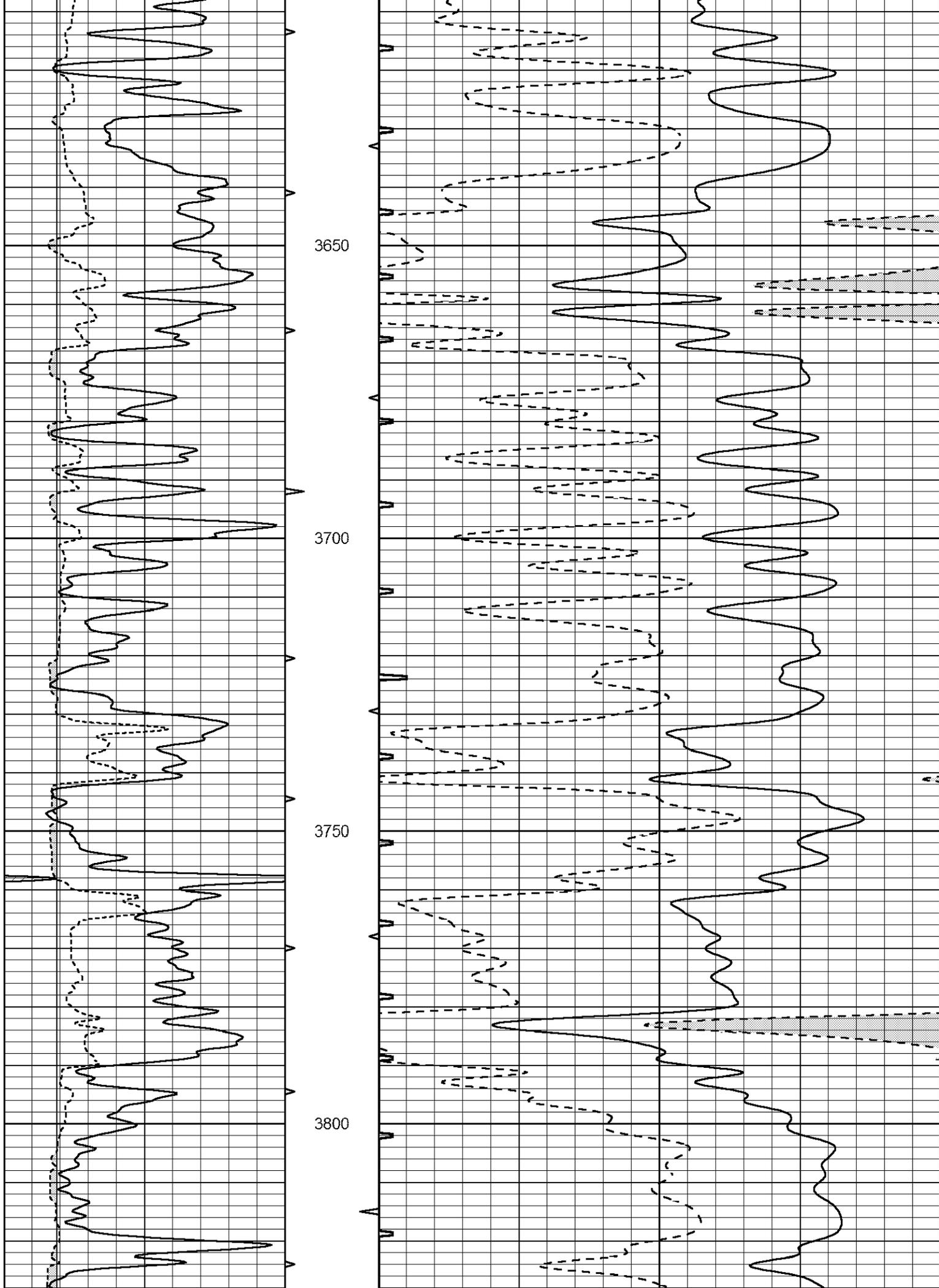
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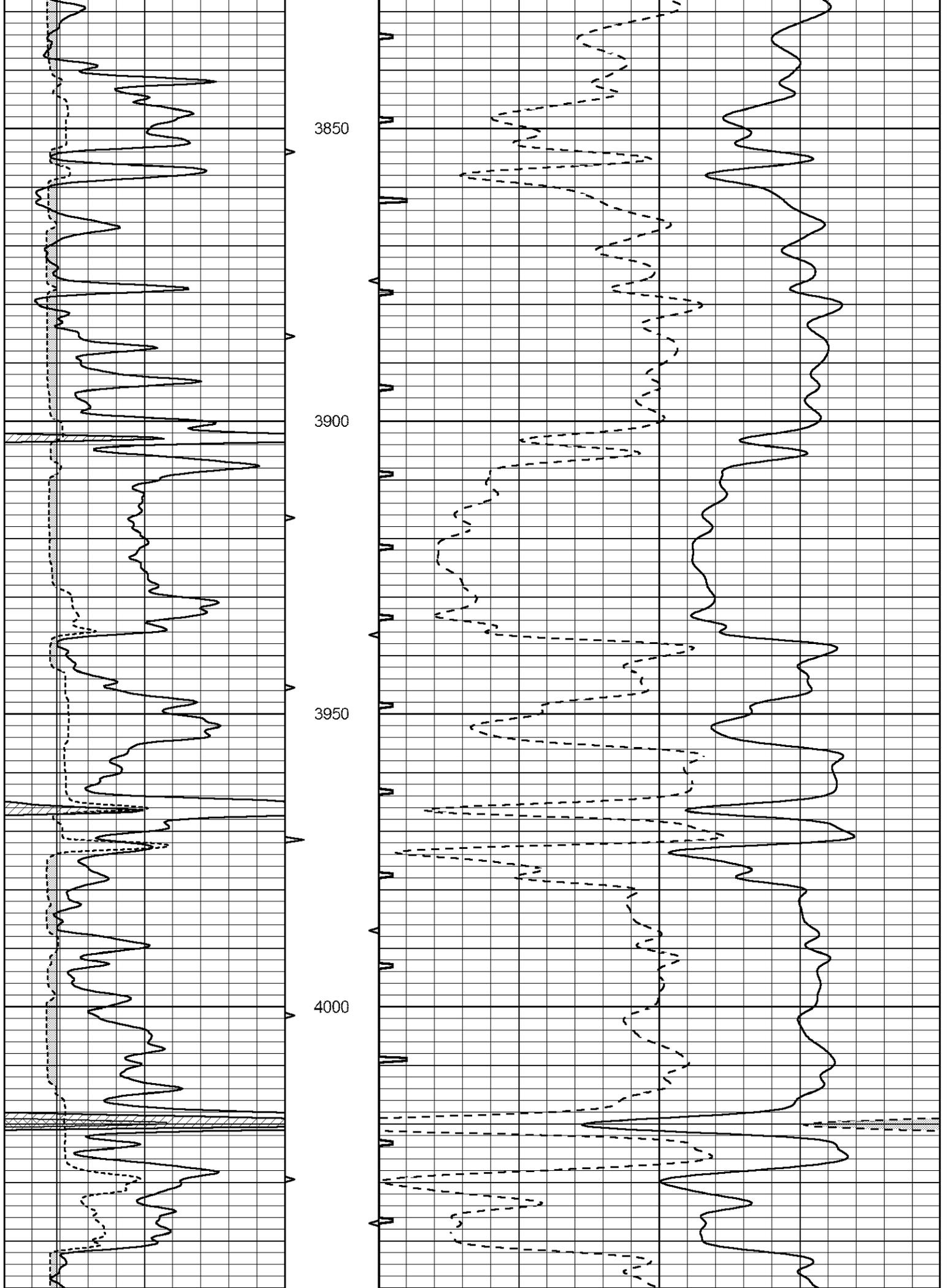
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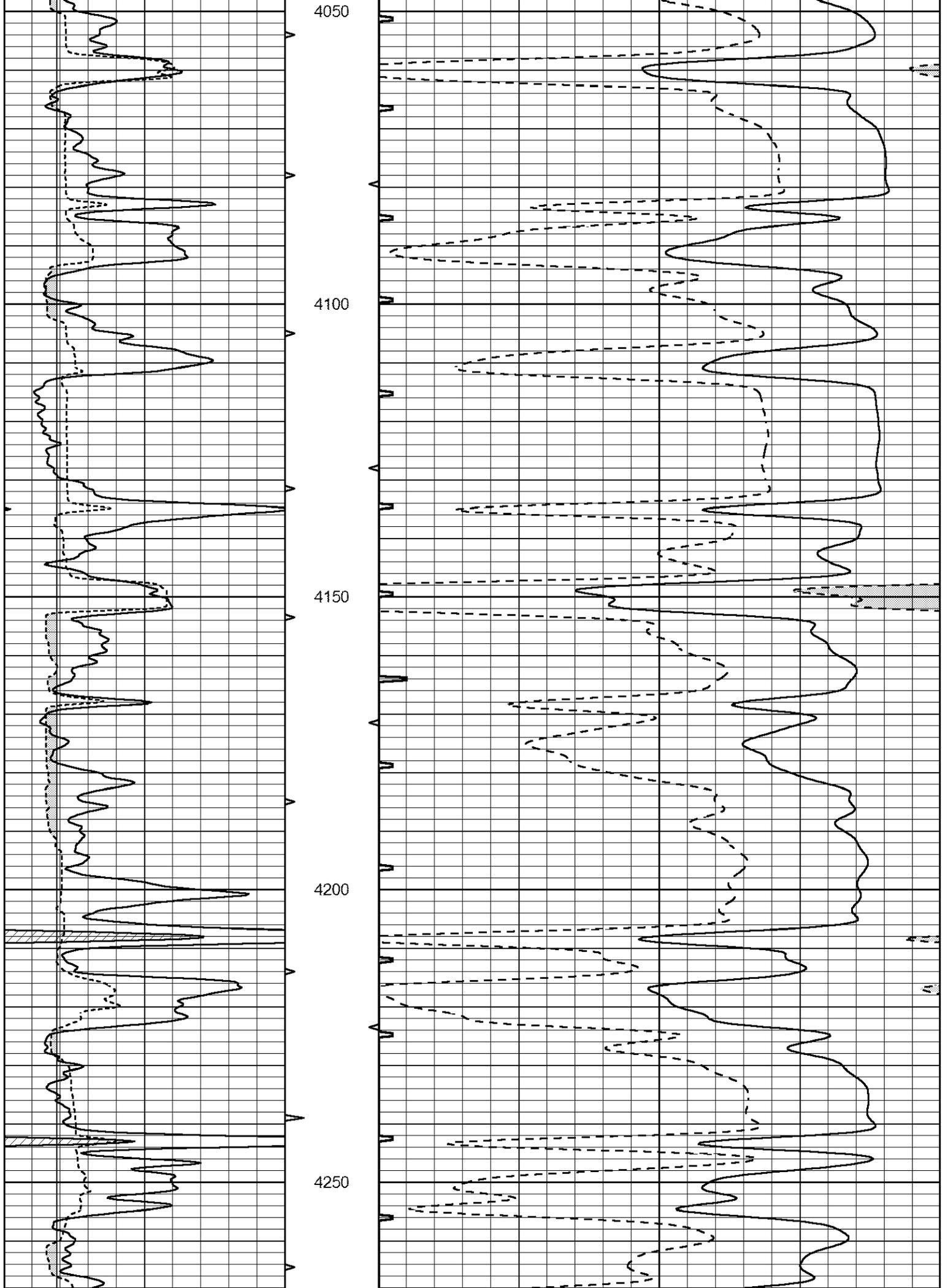


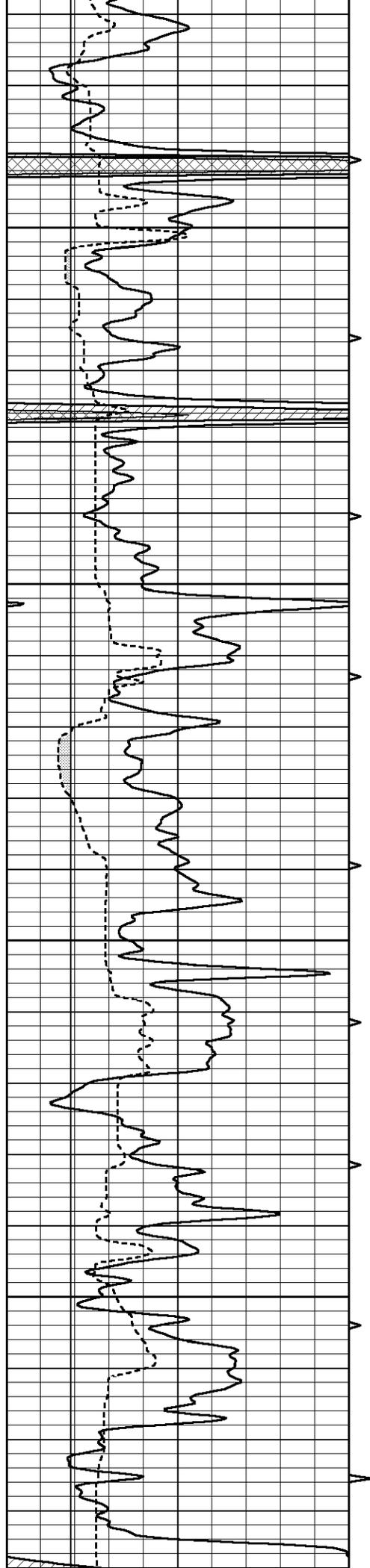










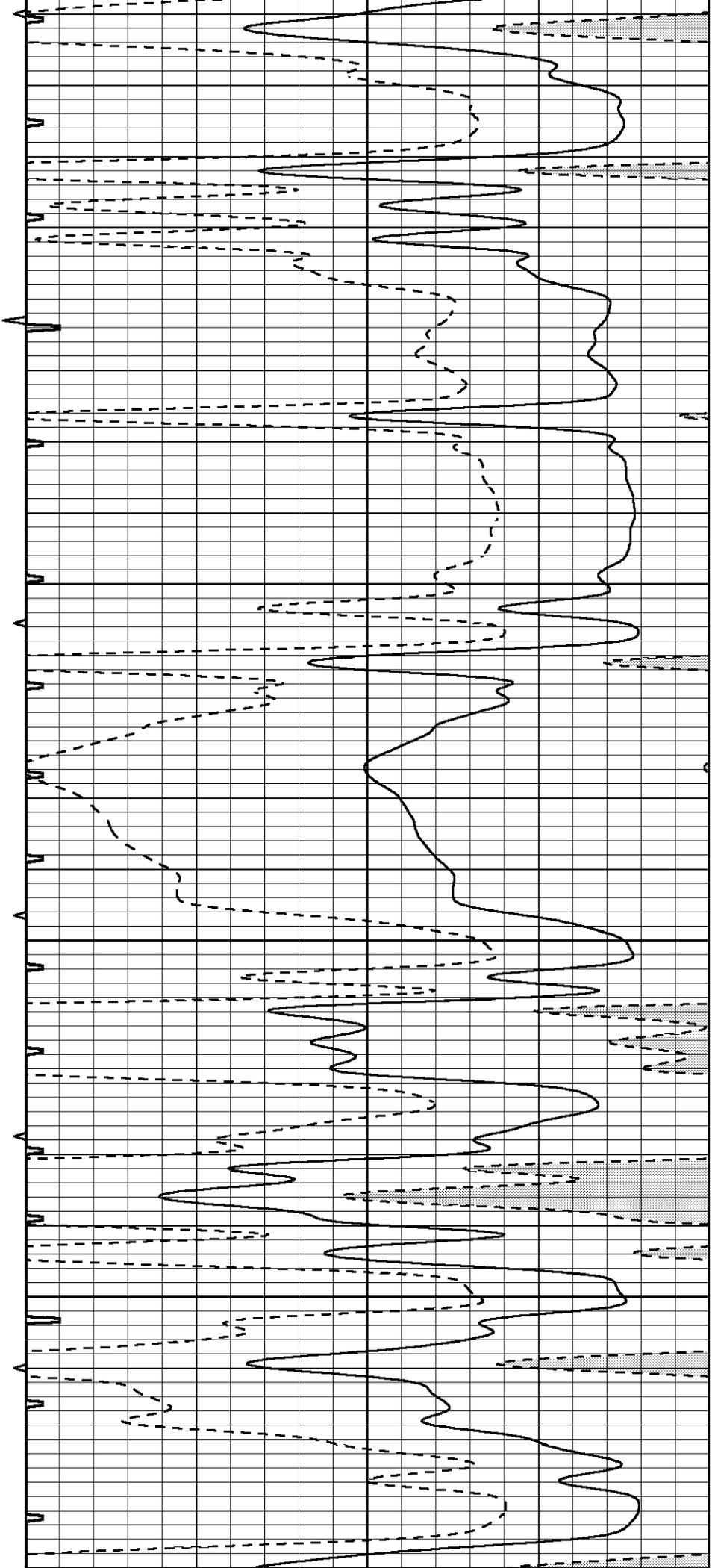


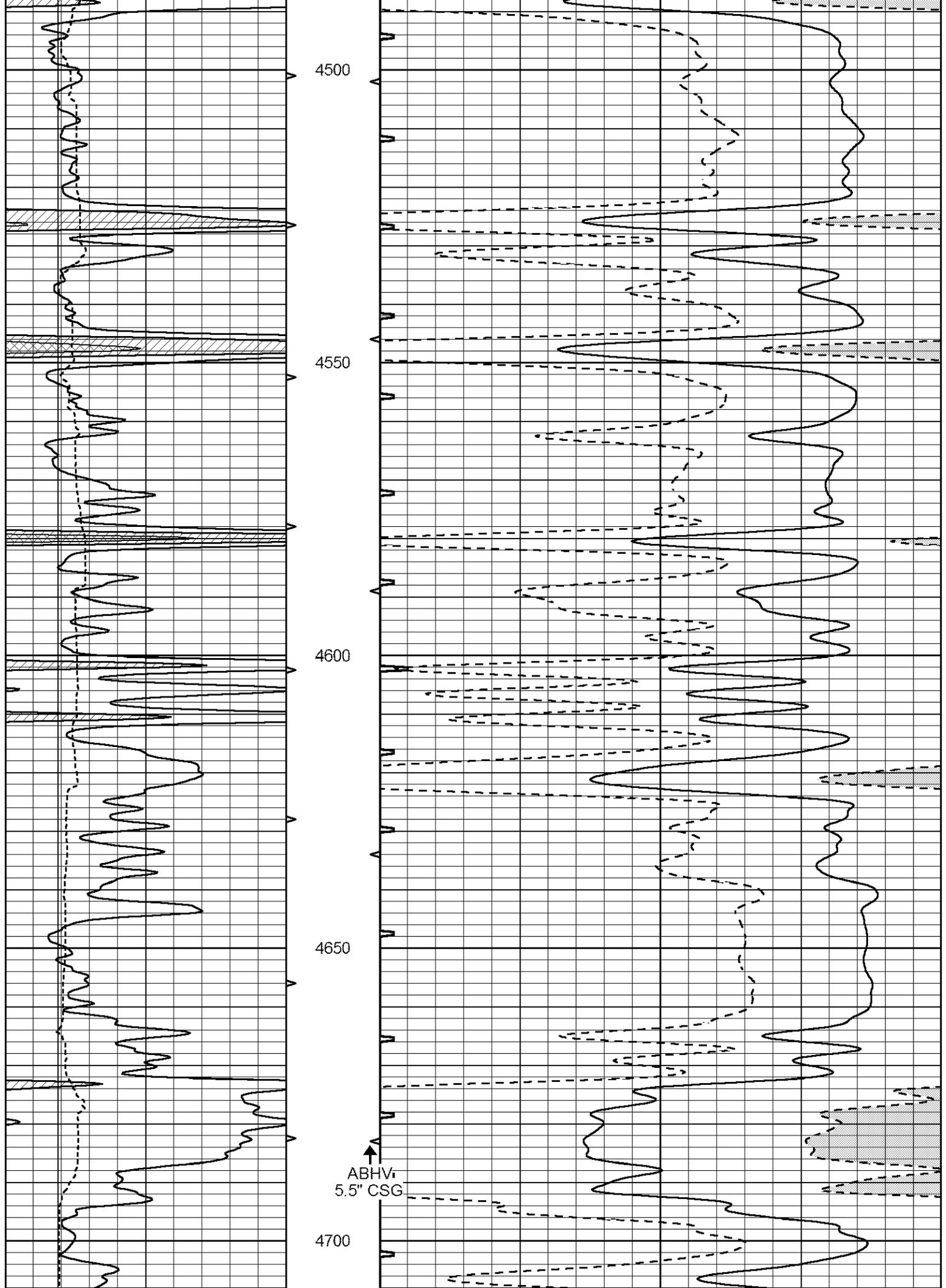
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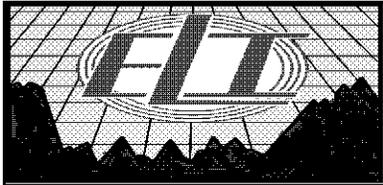
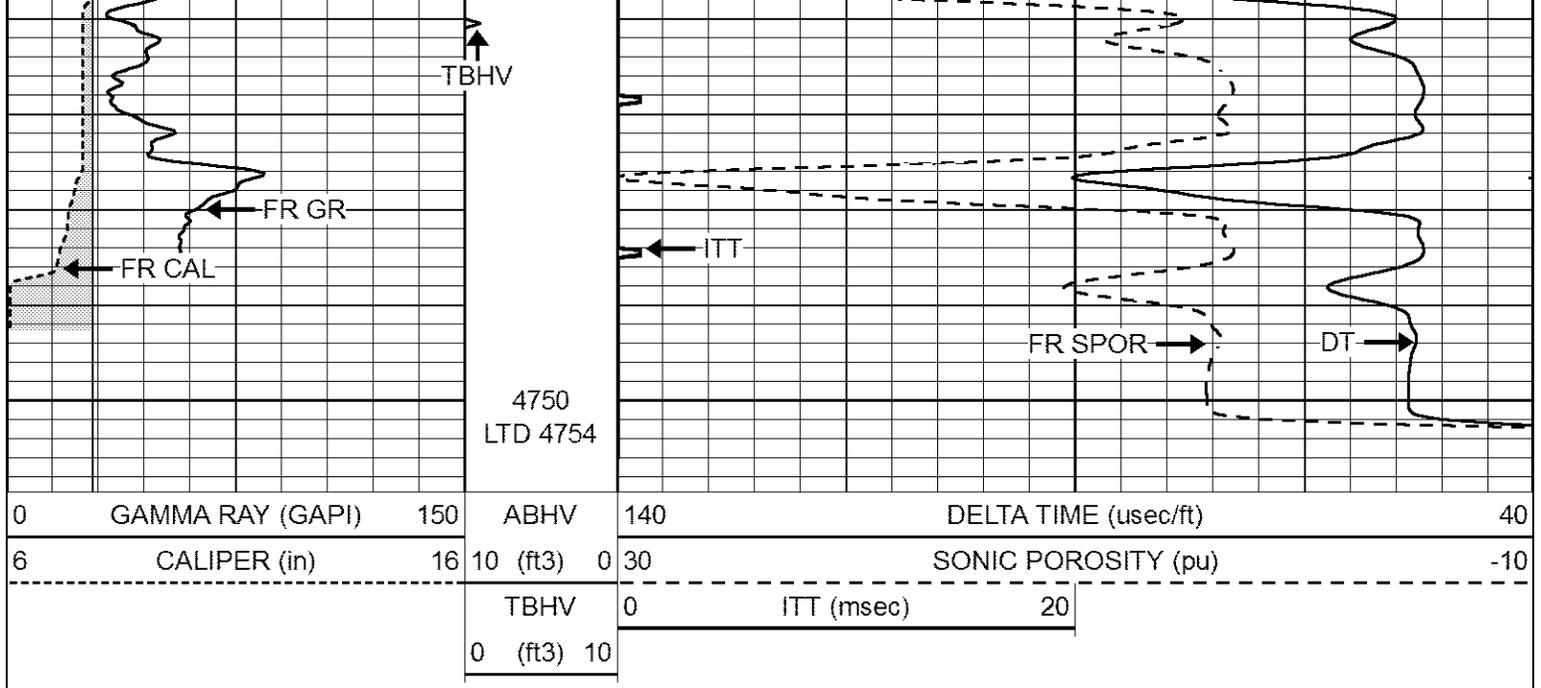
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REPEAT SECTION

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 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			

