



**SUPERIOR
Hays,
Kansas**

**COMPENSATED
DENSITY / NEUTRON
PE LOG**

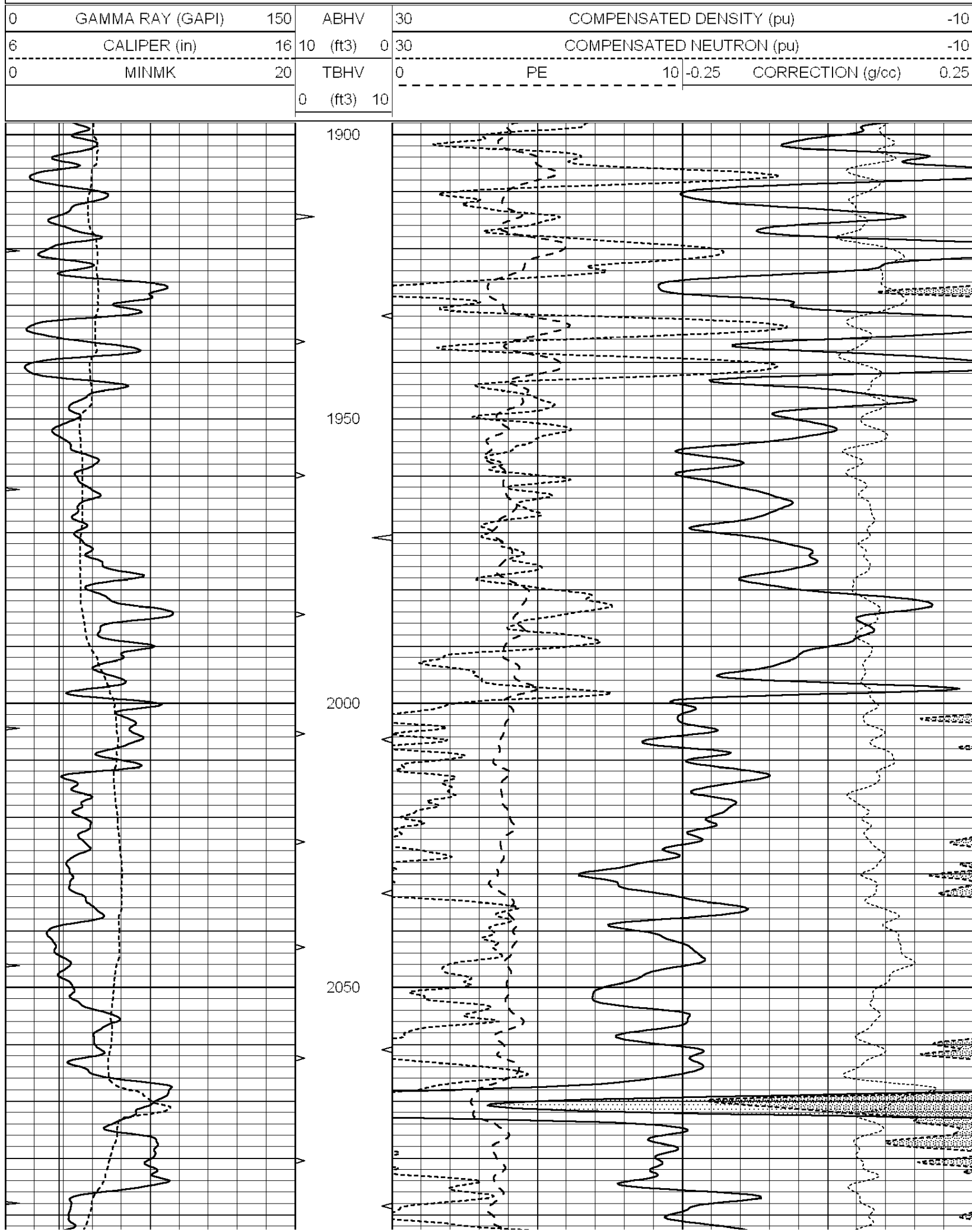
Company	WOOLSEY OPERATING COMPANY, LLC.		
Well	WARREN FEE #10		
Field	MEDICINE LODGE NORTH POOL		
County	BARBER	State	KANSAS
Location:	API # : 15-007-23916-0000		Other Services
	480' FSL & 785' FVL NW - SE - SW - SW		DIL
	SEC 18 TWP 32S RGE 12W		
Permanent Datum	GROUND LEVEL	Elevation	1615
Log Measured From	KELLY BUSHING 10' A.G.L.		K.B. 1625 D.F. 1623 G.L. 1615
Drilling Measured From	KELLY BUSHING		
Date	7-30-12		
Run Number	ONE		
Depth Driller	4865		
Depth Logger	4865		
Bottom Logged Interval	4841		
Top Log Interval	1900		
Casing Driller	216		
Casing Logger			
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	8.9 / 54	CHLORIDES 4000 PPM	
pH / Fluid Loss	10.0 / 11.2		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.60 @ 90F		
Rmft @ Meas. Temp	0.45 @ 90F		
Rmc @ Meas. Temp	0.72 @ 90F		
Source of Rmft / Rmc	MEASURED		
Rim @ BHT	0.44 @ 124F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	124F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	JEFF GRONEWEG		
Witnessed By	SCOTT ALBERG		

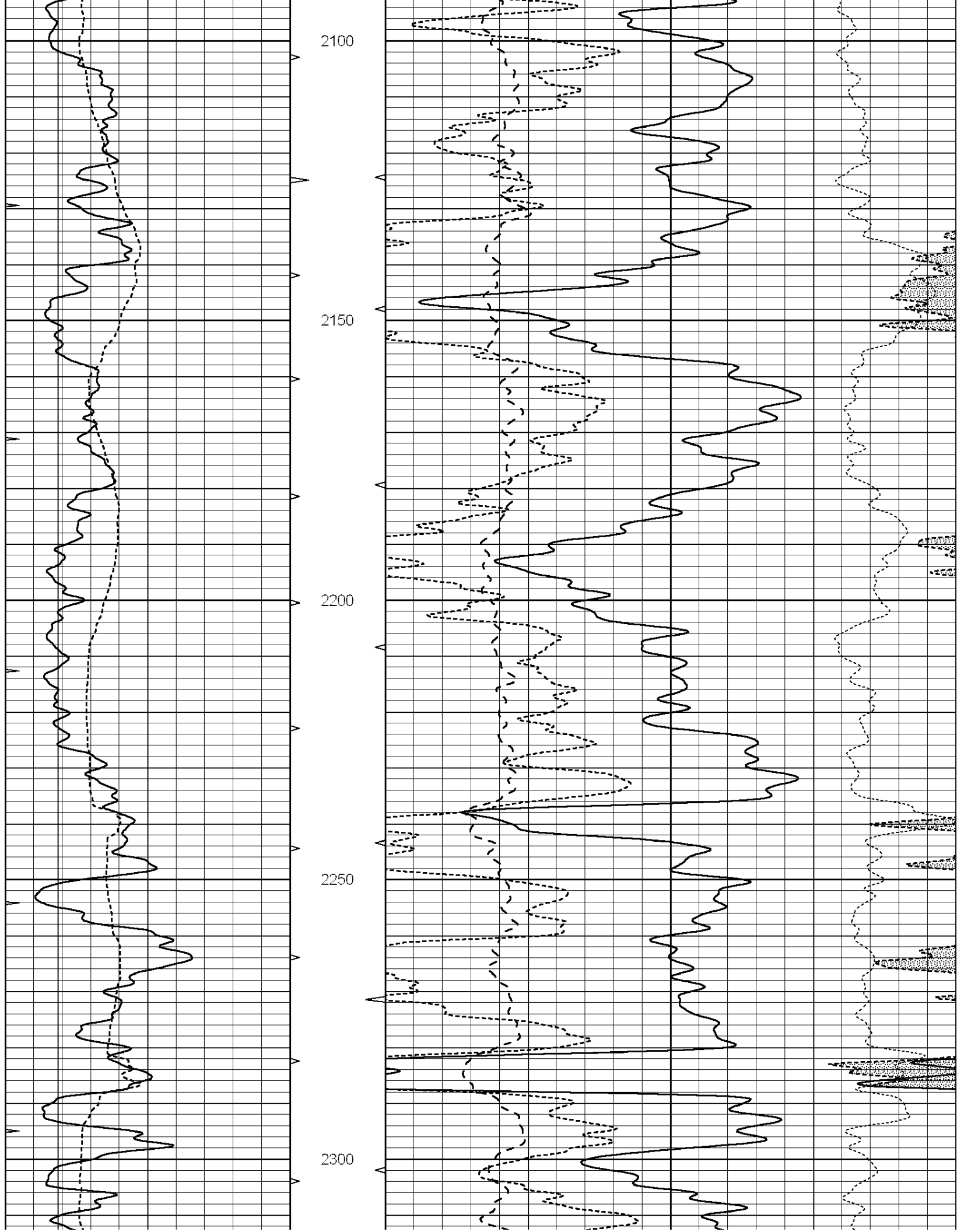
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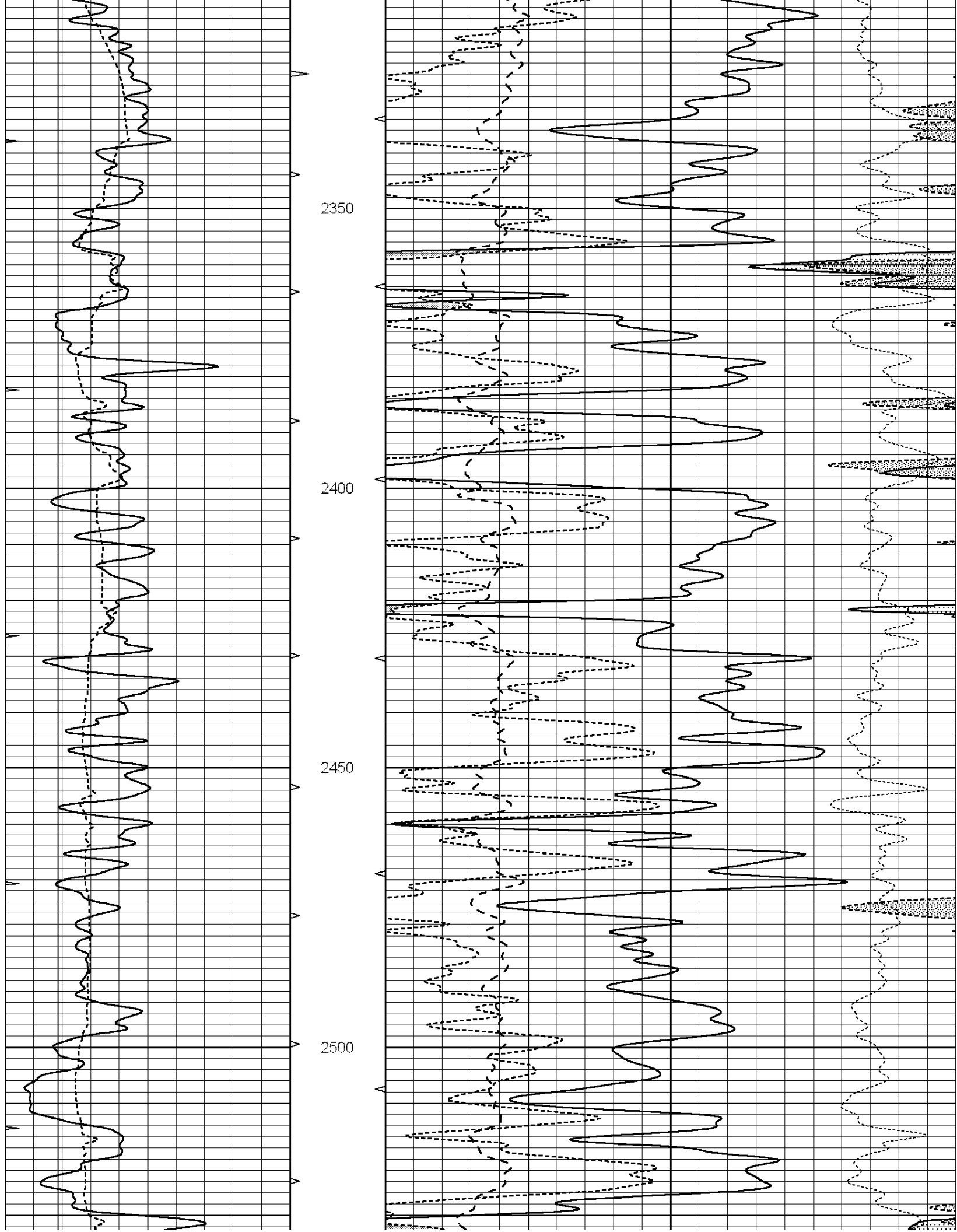
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

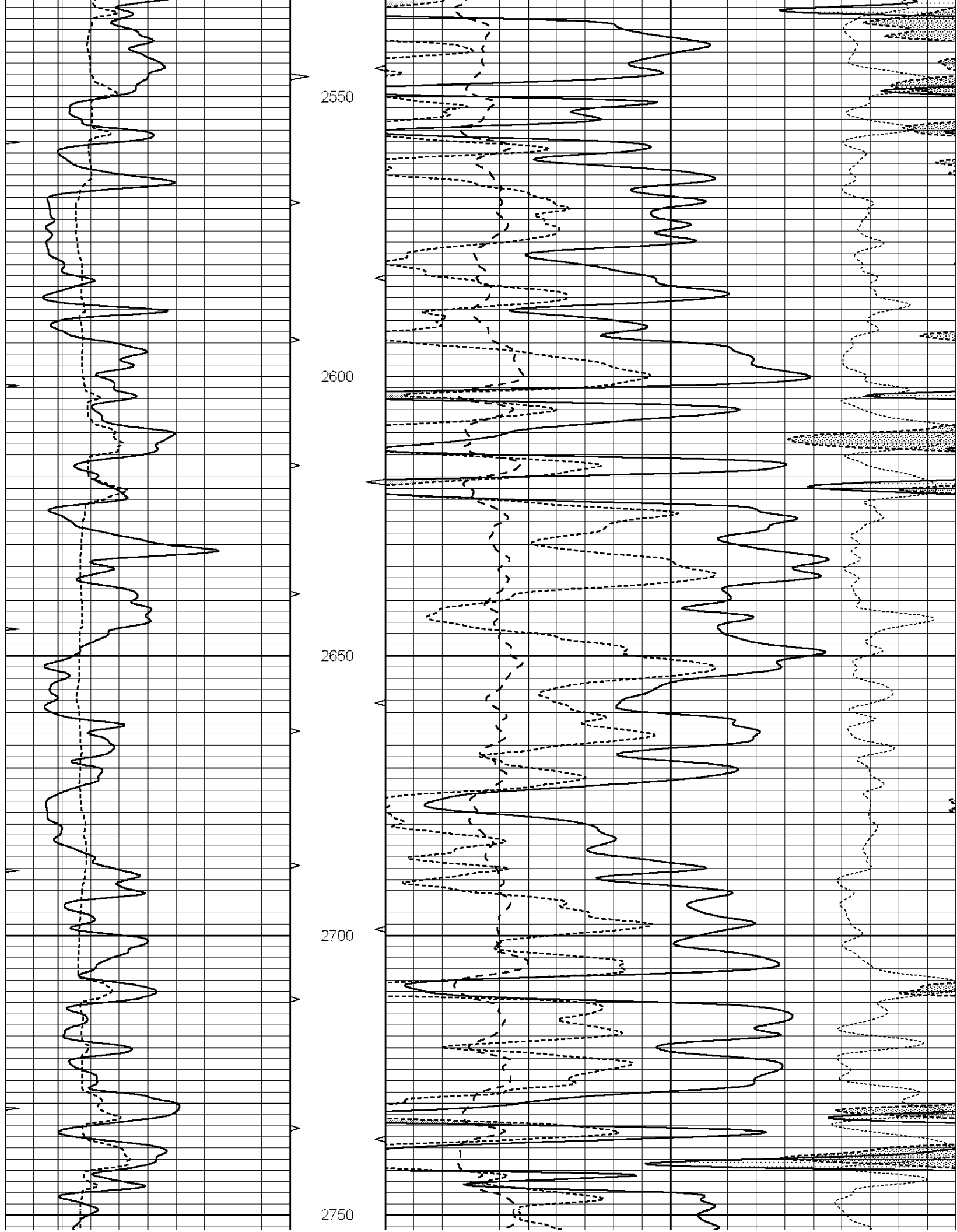
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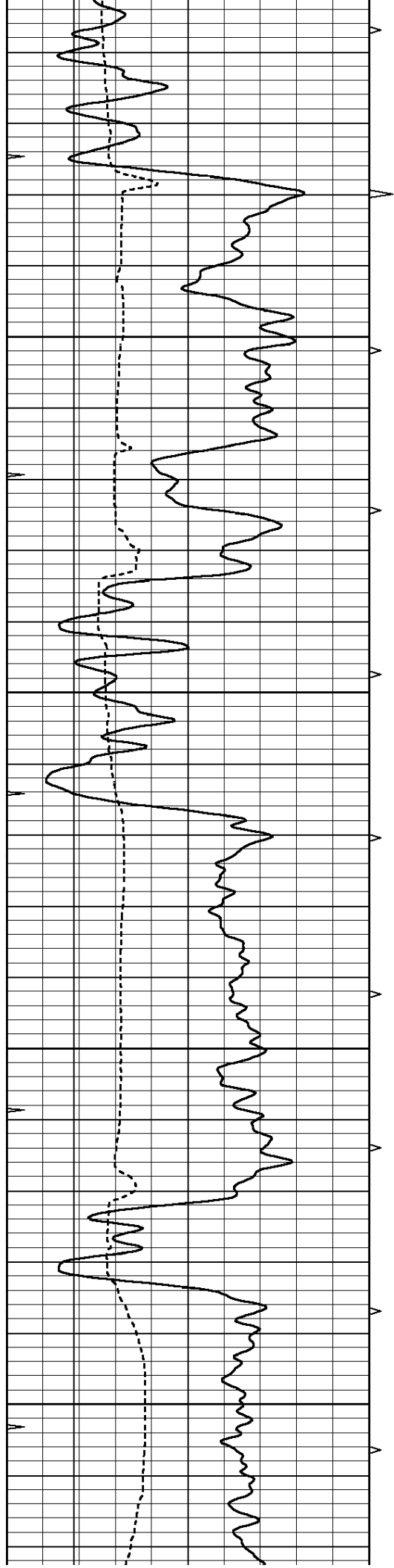
SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: MEDICINE LODGE, KS - WEST ON HWY 160 3 MILES TO GYP HILL RD
3 1/2 MILES SOUTH - WEST INTO THROUGH CATTLE GUARD - APPROX 3 MILES
NORTH AND WEST INTO









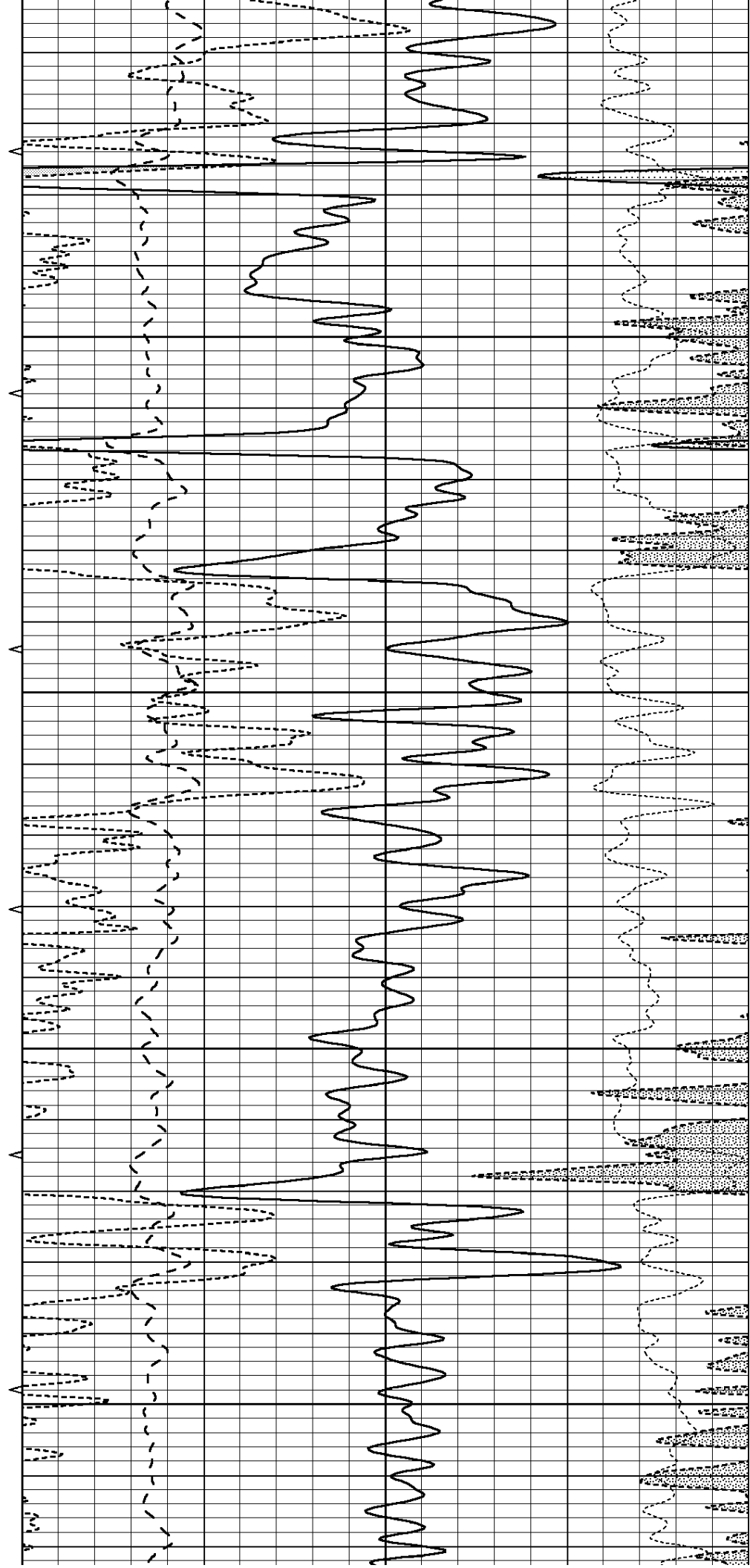


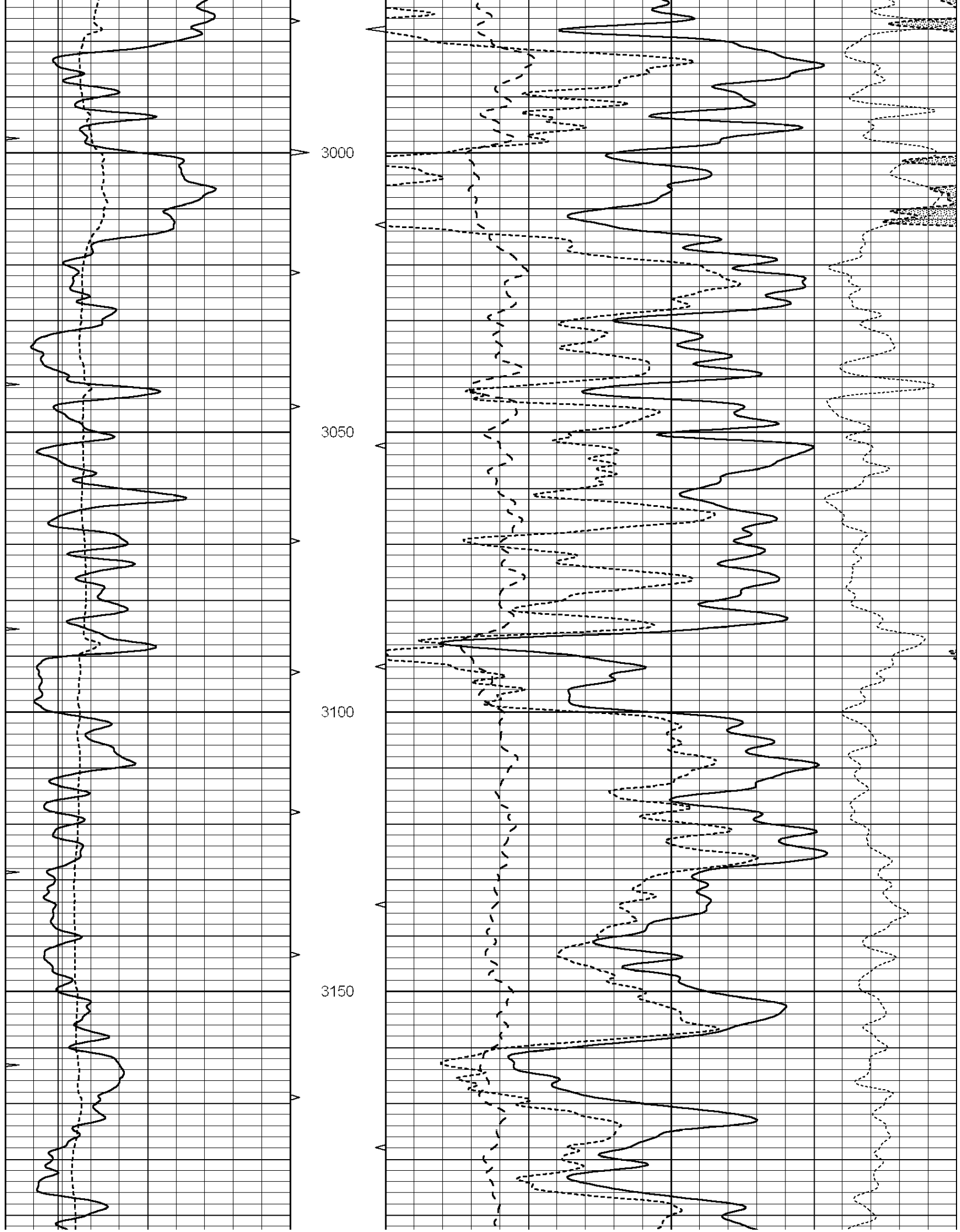
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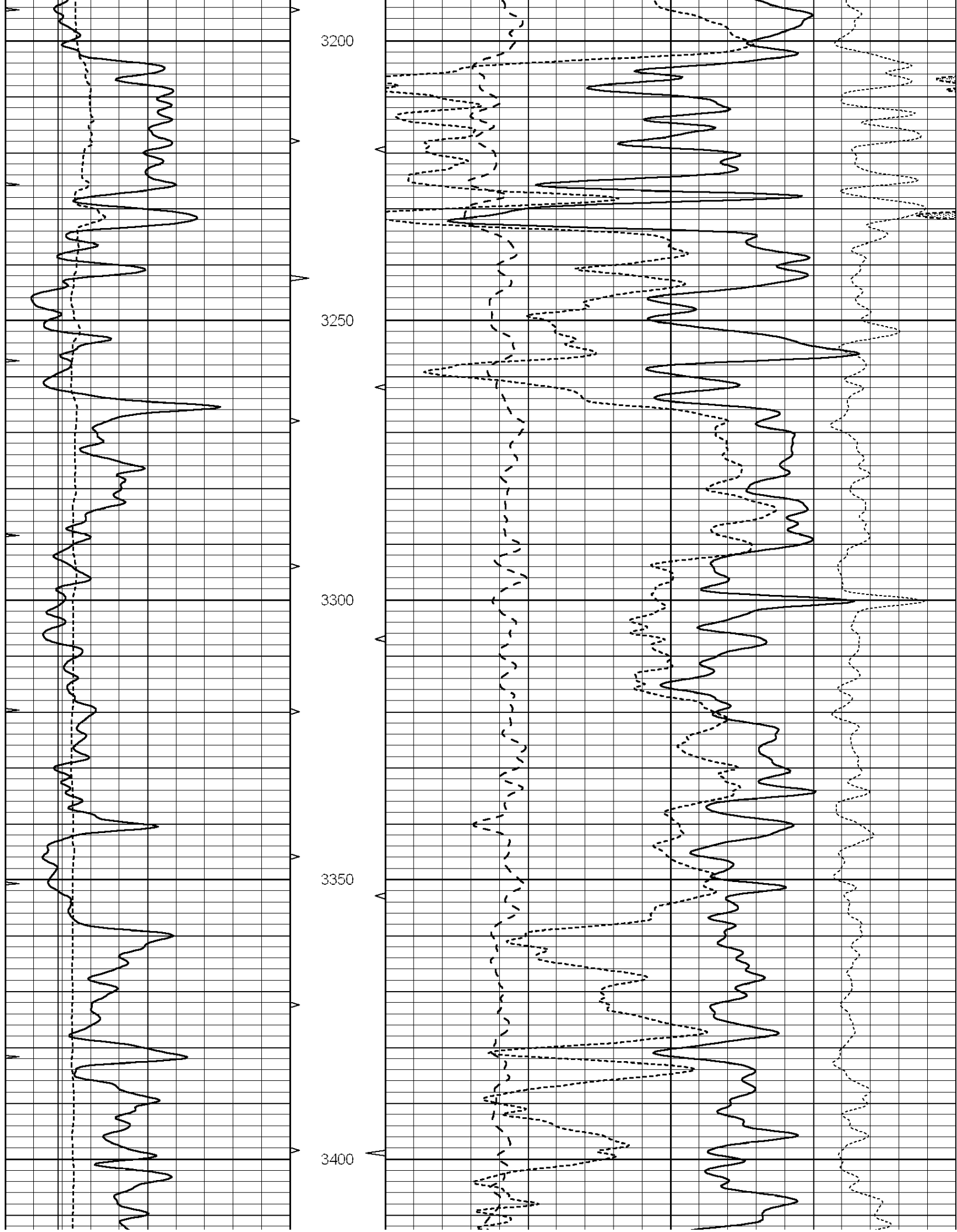
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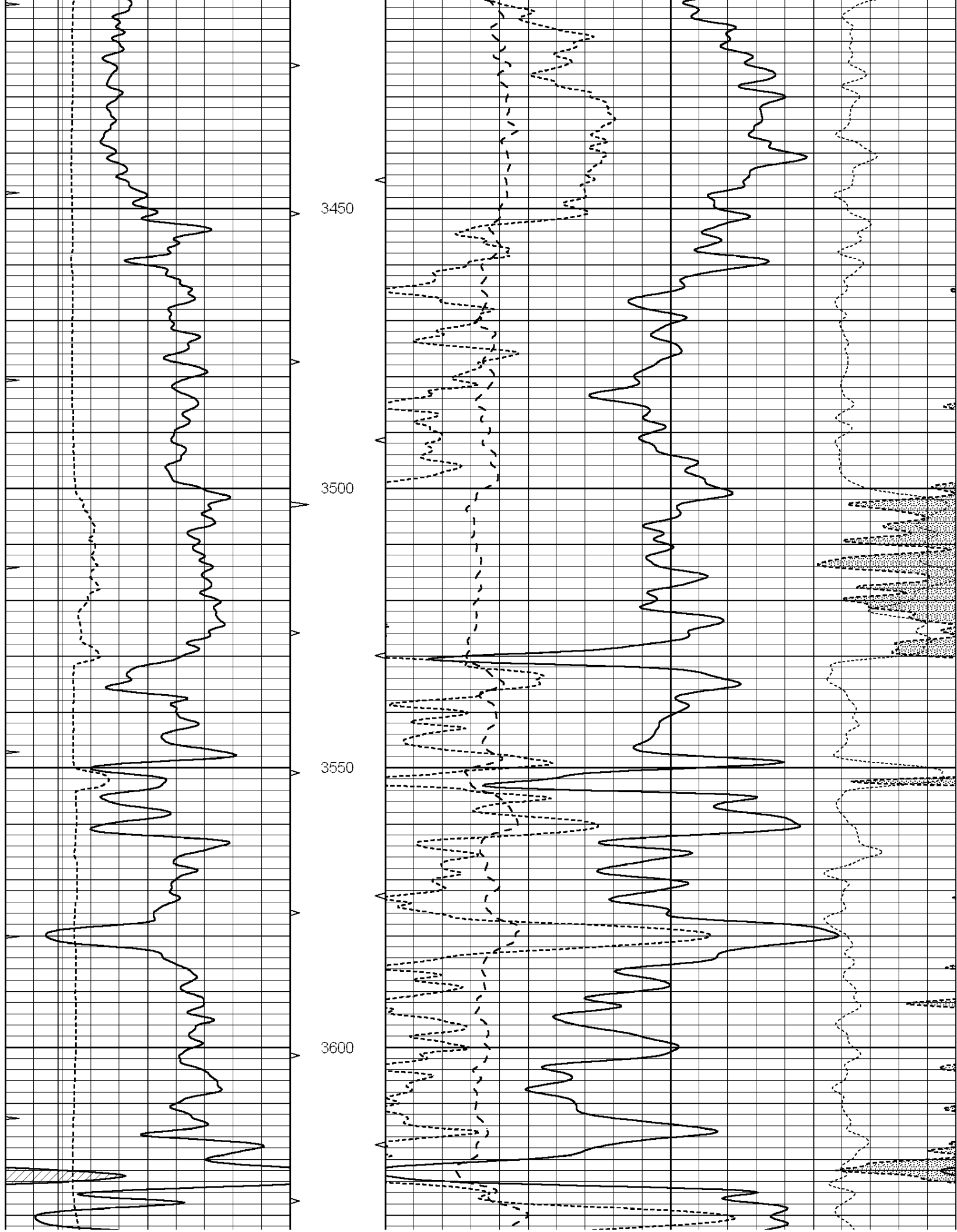
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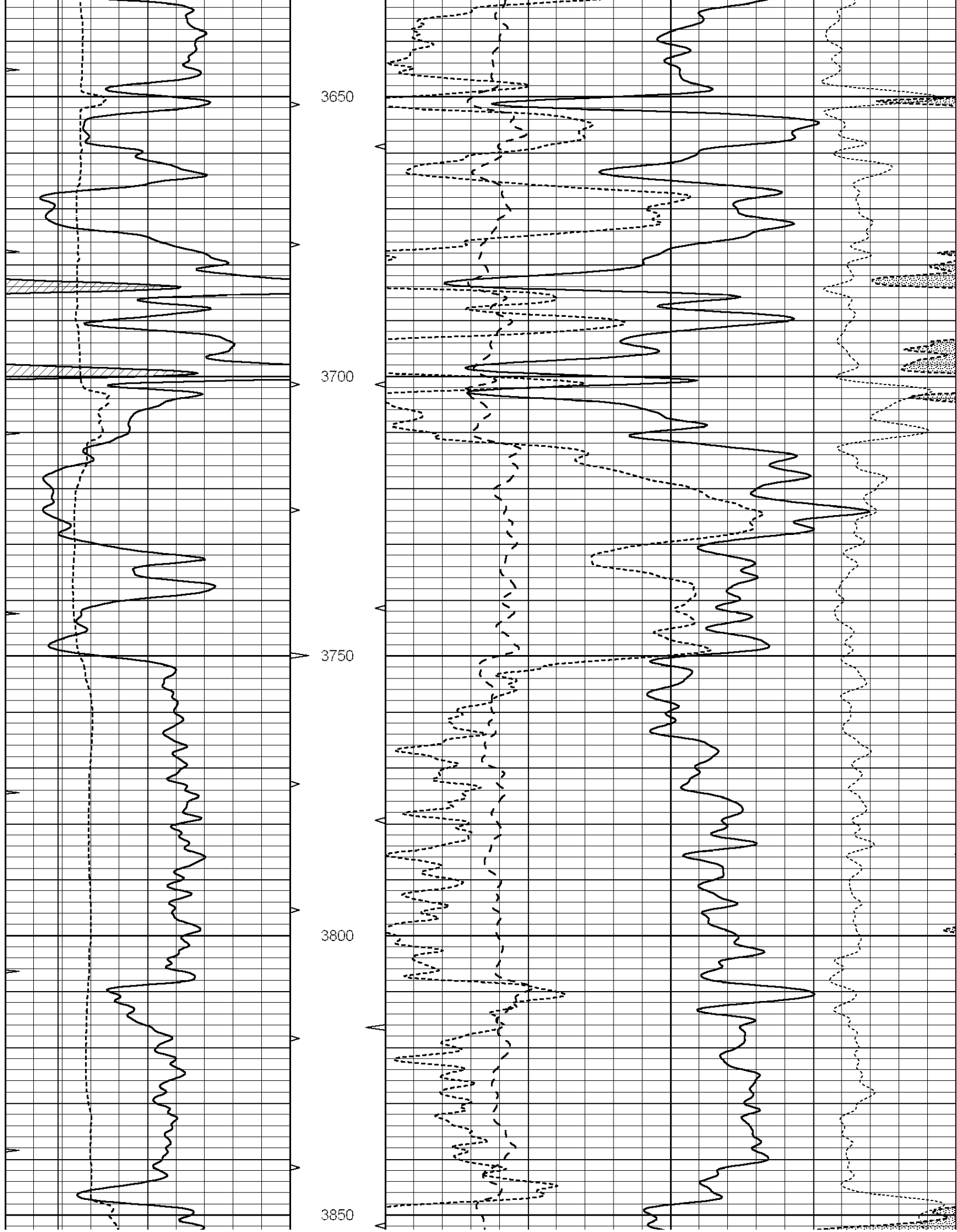
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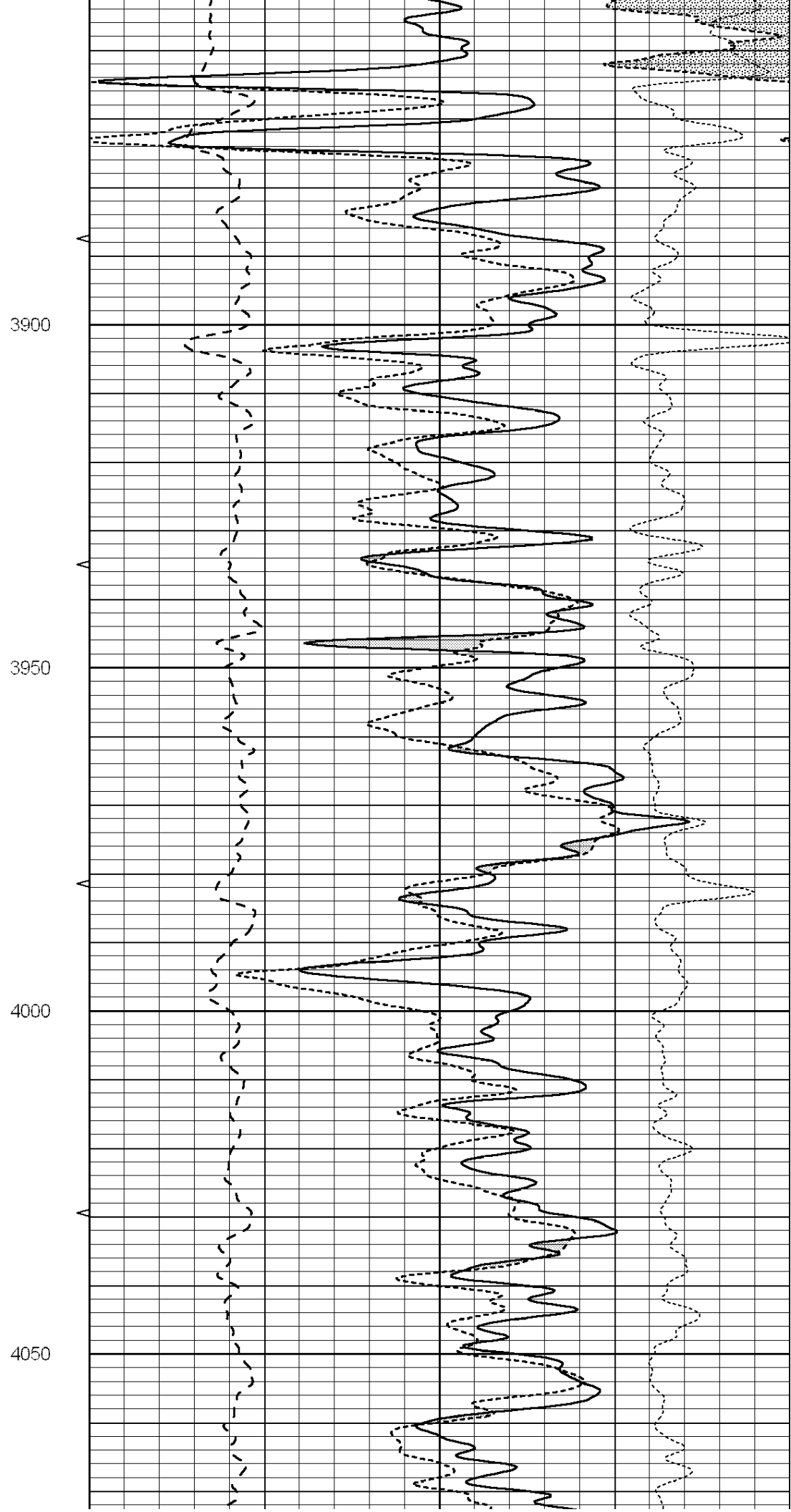
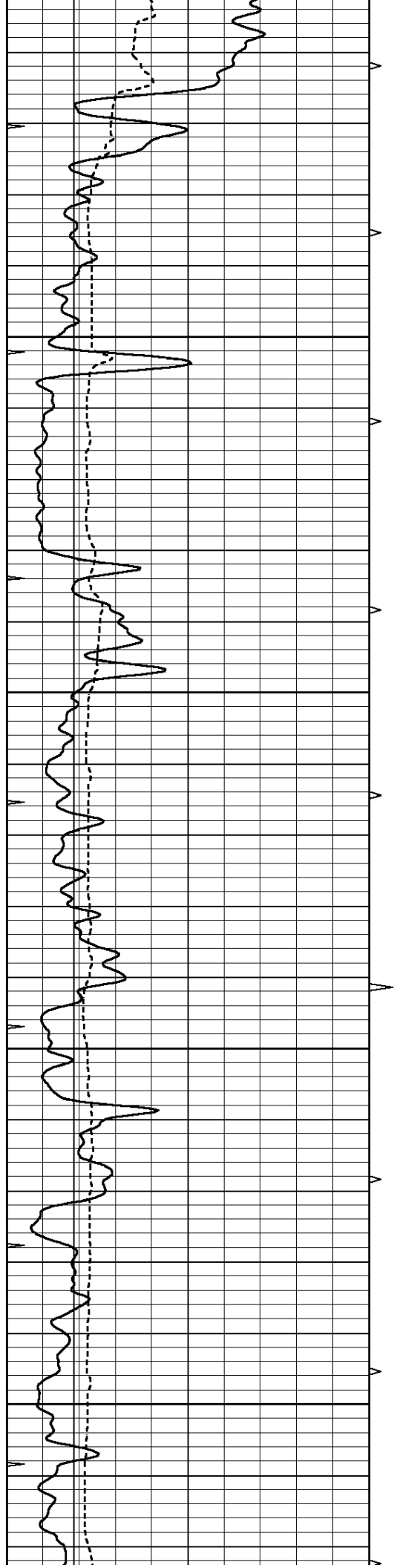


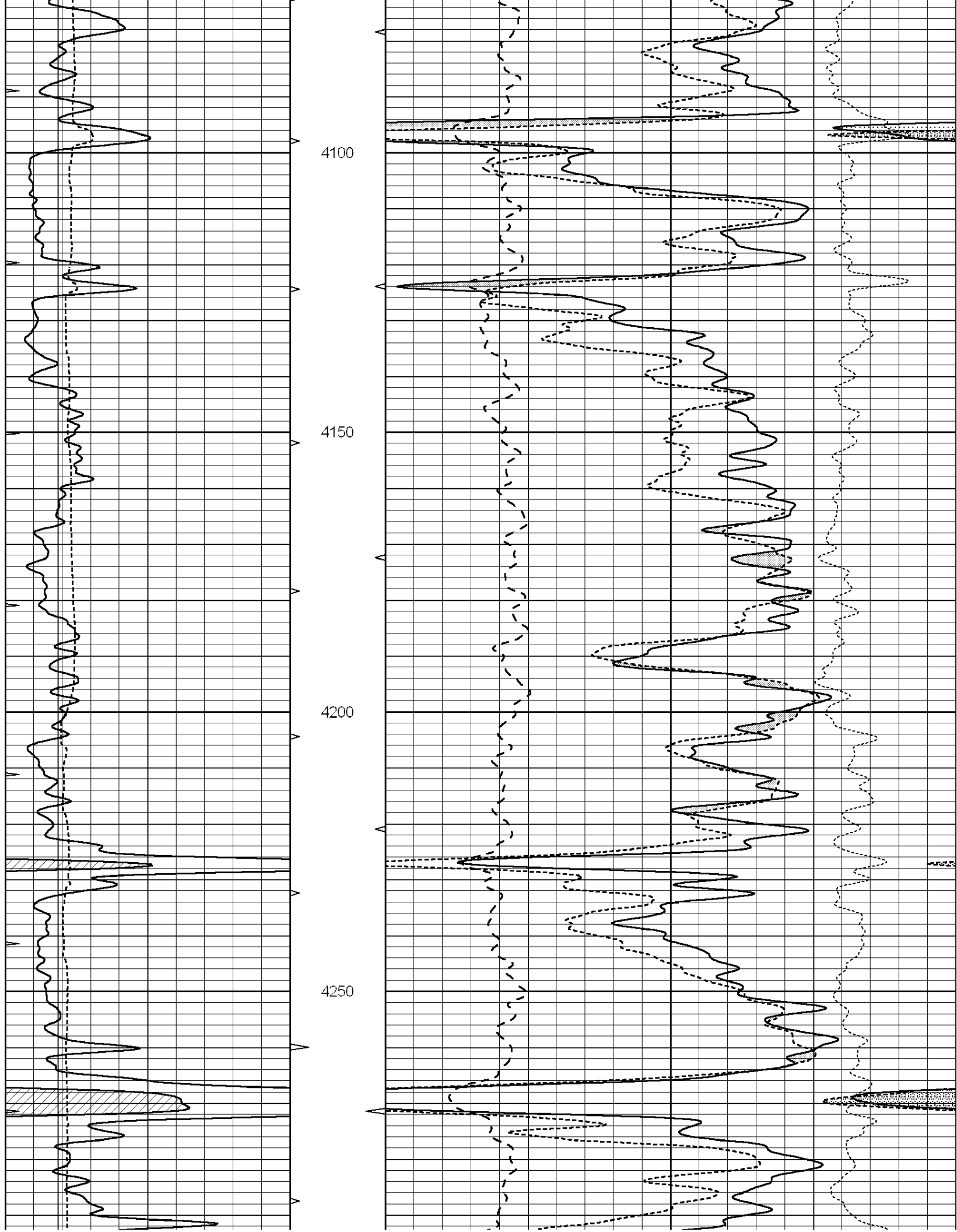


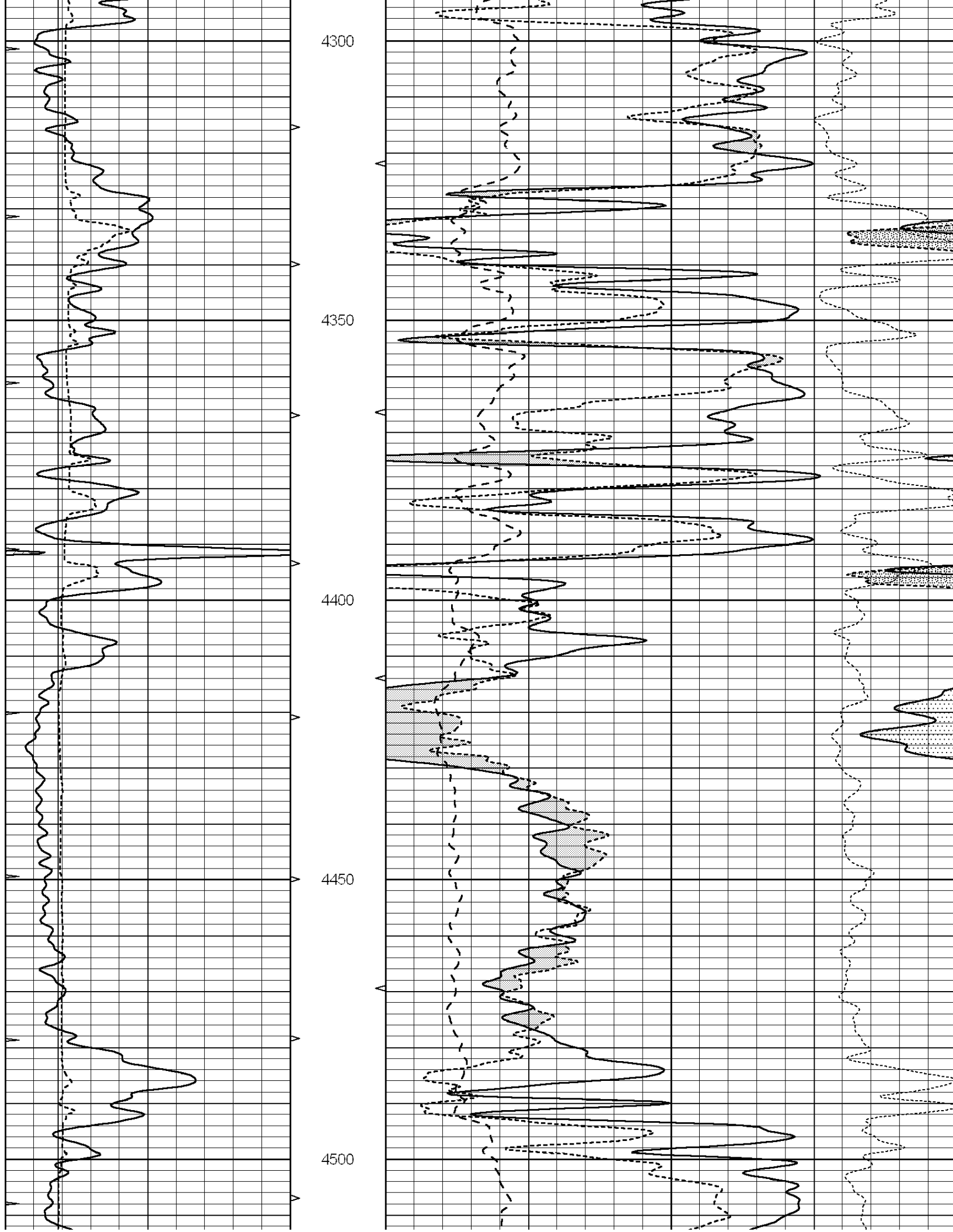


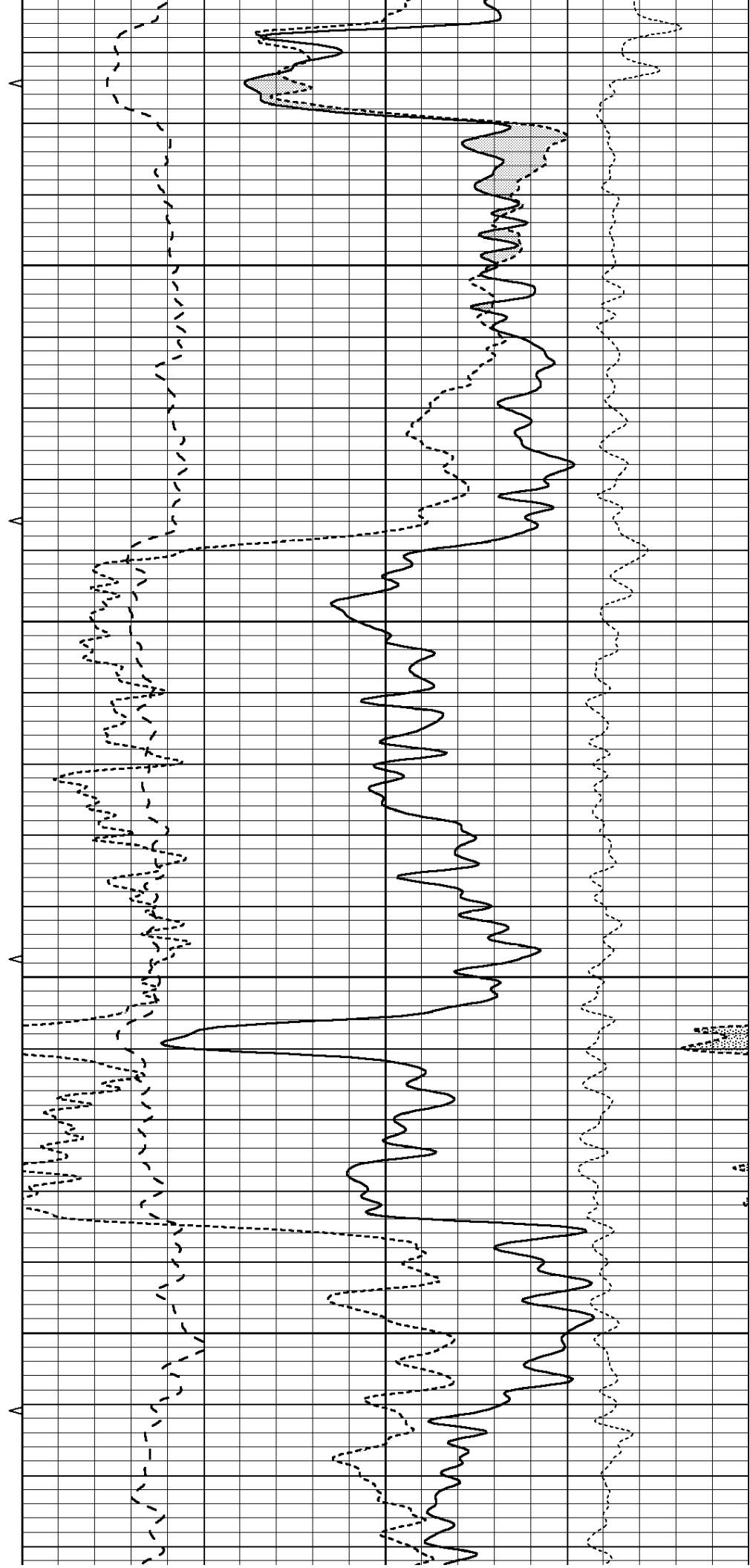
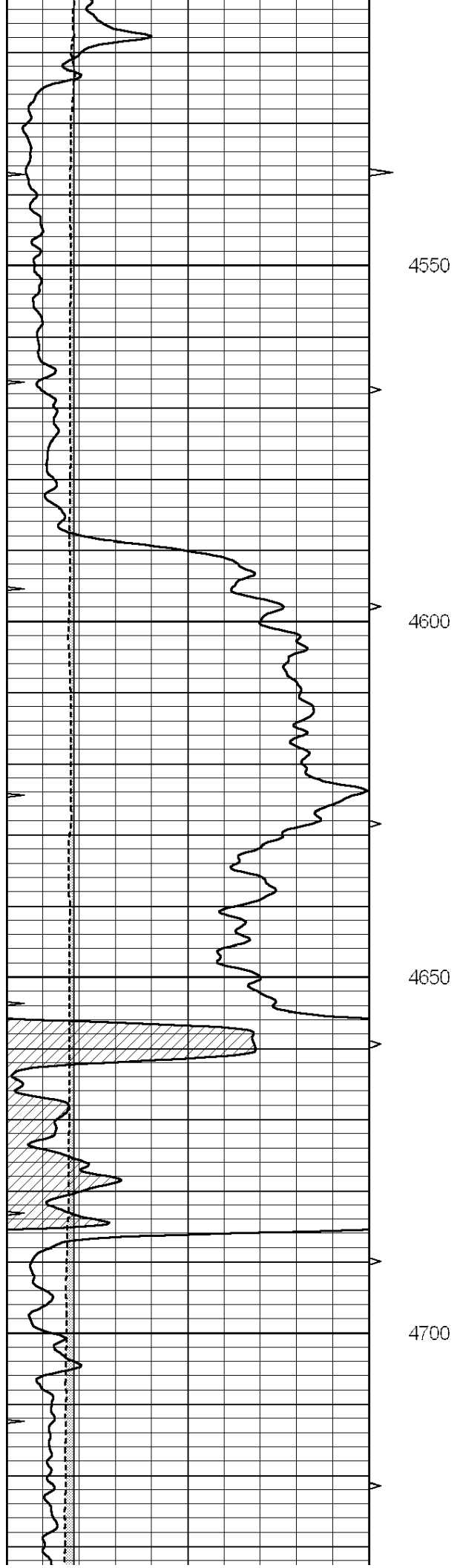


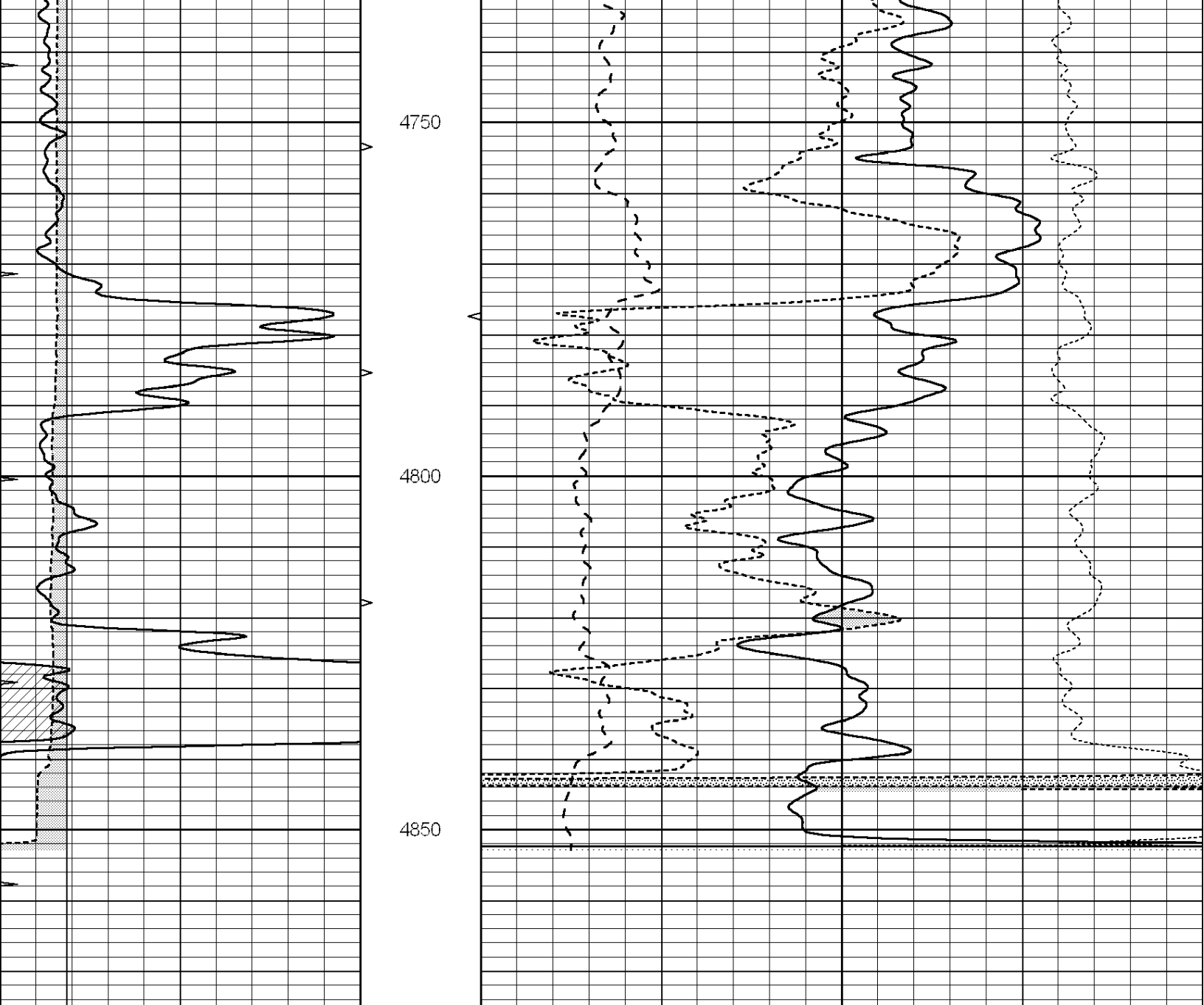












0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)				-10	
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)				-10
0	MINMK	20	TBHV	0	PE	10	-0.25	CORRECTION (g/cc)	0.25	
			0 (ft3)	10						