



SUPERIOR
Hays,
Kansas

SONIC LOG

Company	WOOLSEY OPERATING CO, LLC.		
Well	PLATT #1		
Field	SRANATHAN		
County	BARBER	State	KANSAS
Location:	API # : 15-007-23477-0000		Other Services CDL/CNL/PE DIL/MEL FRAC
2310' FSL & 330' FWL NW - NW- -SW		SEC 10 TWP 35S RGE 12W	
Permanent Datum	GROUND LEVEL	Elevation	1403
Log Measured From	KELLY BUSHING 9' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Elevation	K.B. 1412 D.F. 1410 G.L. 1403		
Date	12-17-09		
Run Number	TWO		
Depth Driller	5490		
Depth Logger	5494		
Bottom Logged Interval	5484		
Top Log Interval	200		
Casing Driller	10 3/4" @ 221'		
Casing Logger	223'		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4,500 PPM	
Density / Viscosity	9.2/65		
pH / Fluid Loss	10.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.65 @ 63F		
Rmf @ Meas. Temp	.49 @ 63F		
Rmc @ Meas. Temp	.78 @ 63F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.31 @ 130F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	130F		
Equipment Number	680		
Location	HAYS, KANSAS		
Recorded By	JEFF GRONEWEG		
Witnessed By	CURTIS COVEY		

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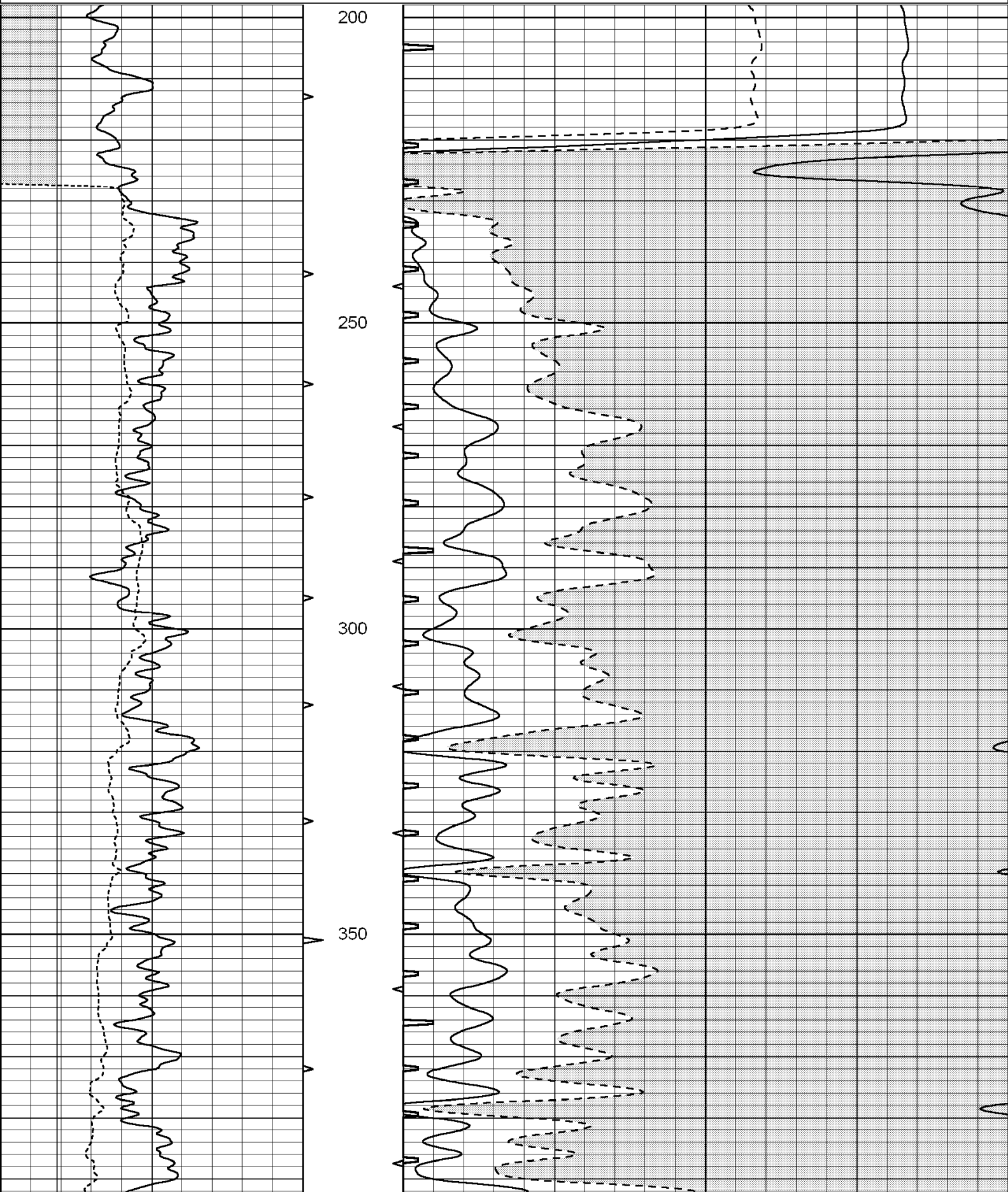
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

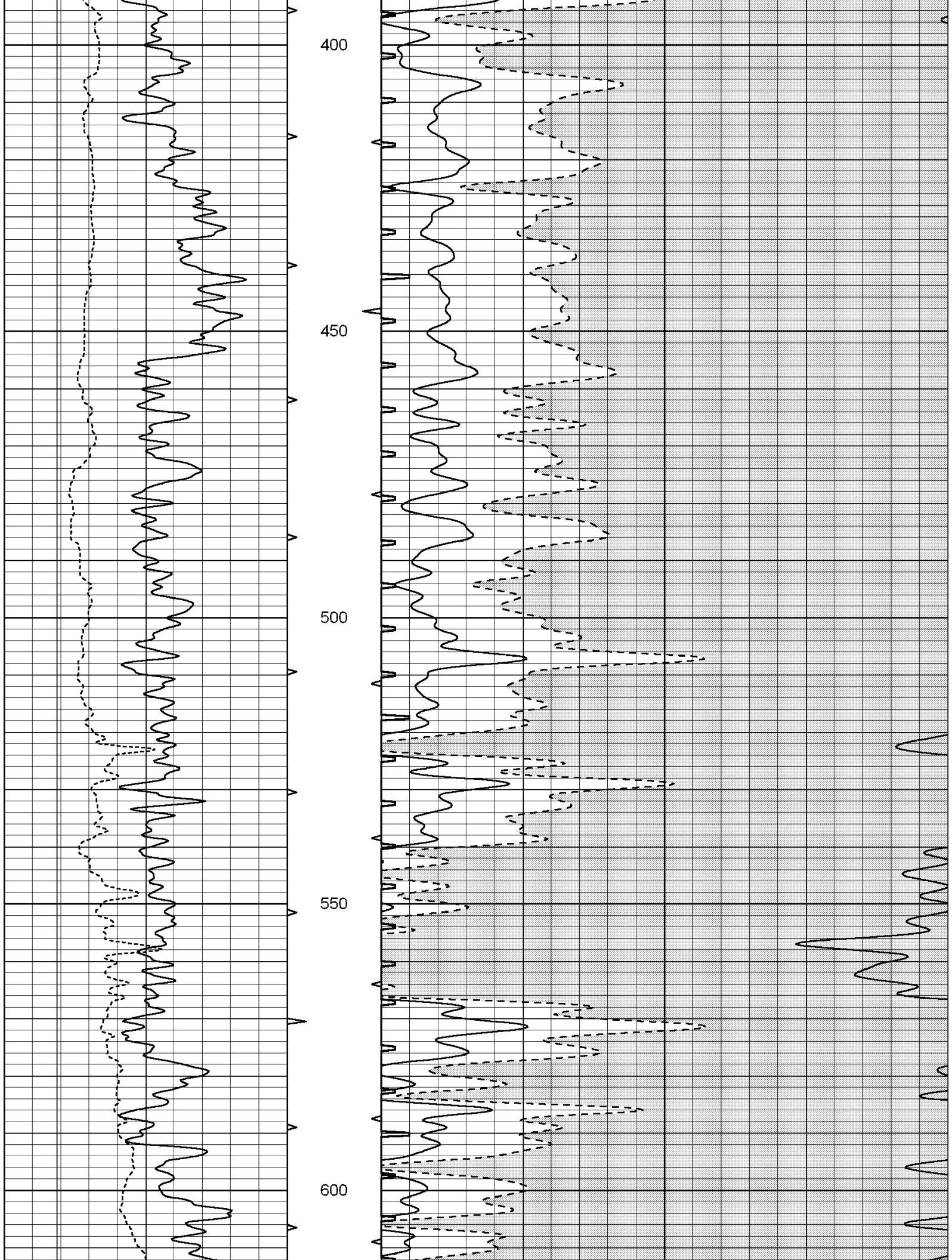
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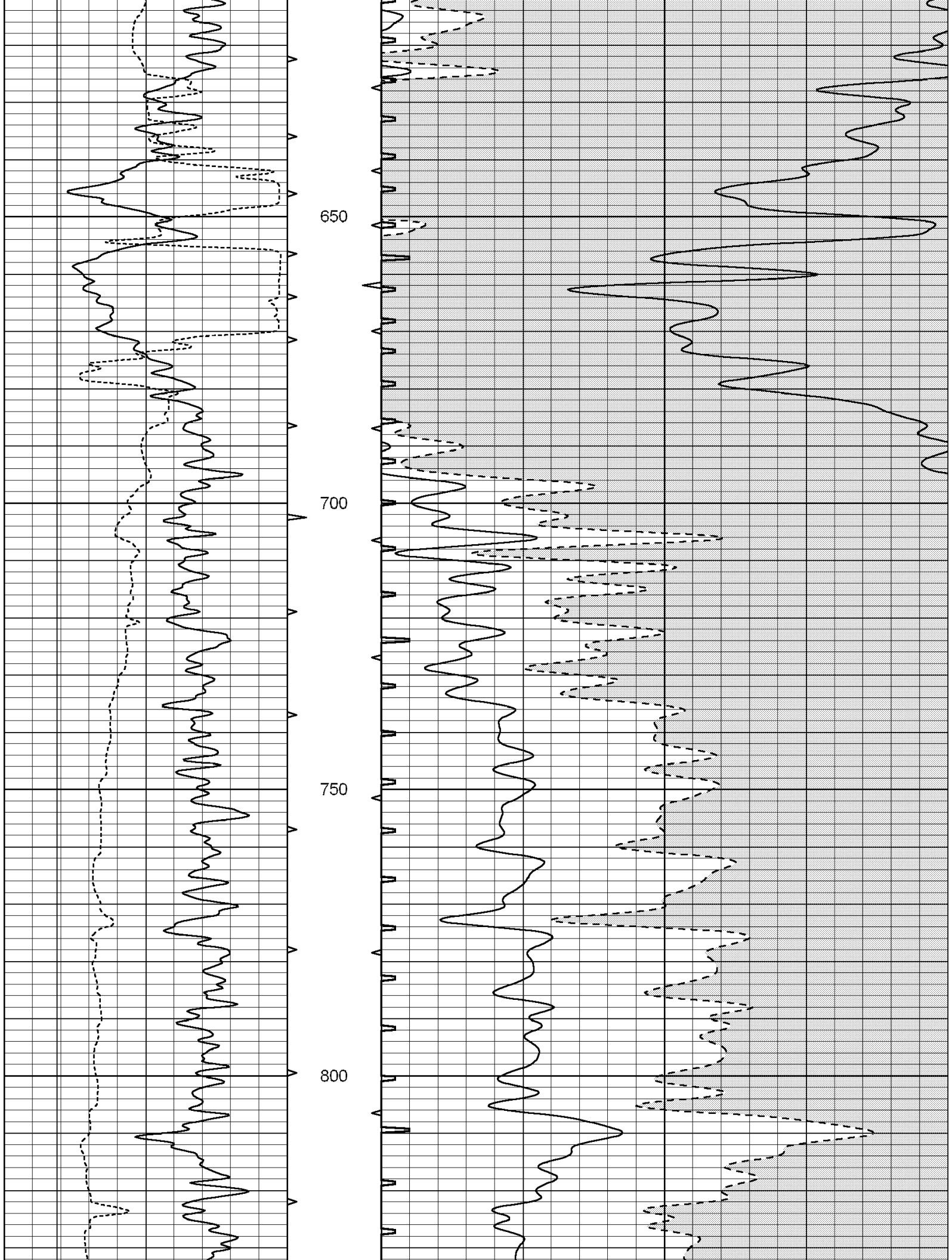
THANK YOU FOR USING SUPERIOR WELL SERVICES HAYS, KANSAS (785)628-6395
DIRECTIONS
HARDTNER, KS - 2 MILES EAST - SOUTH & EAST INTO

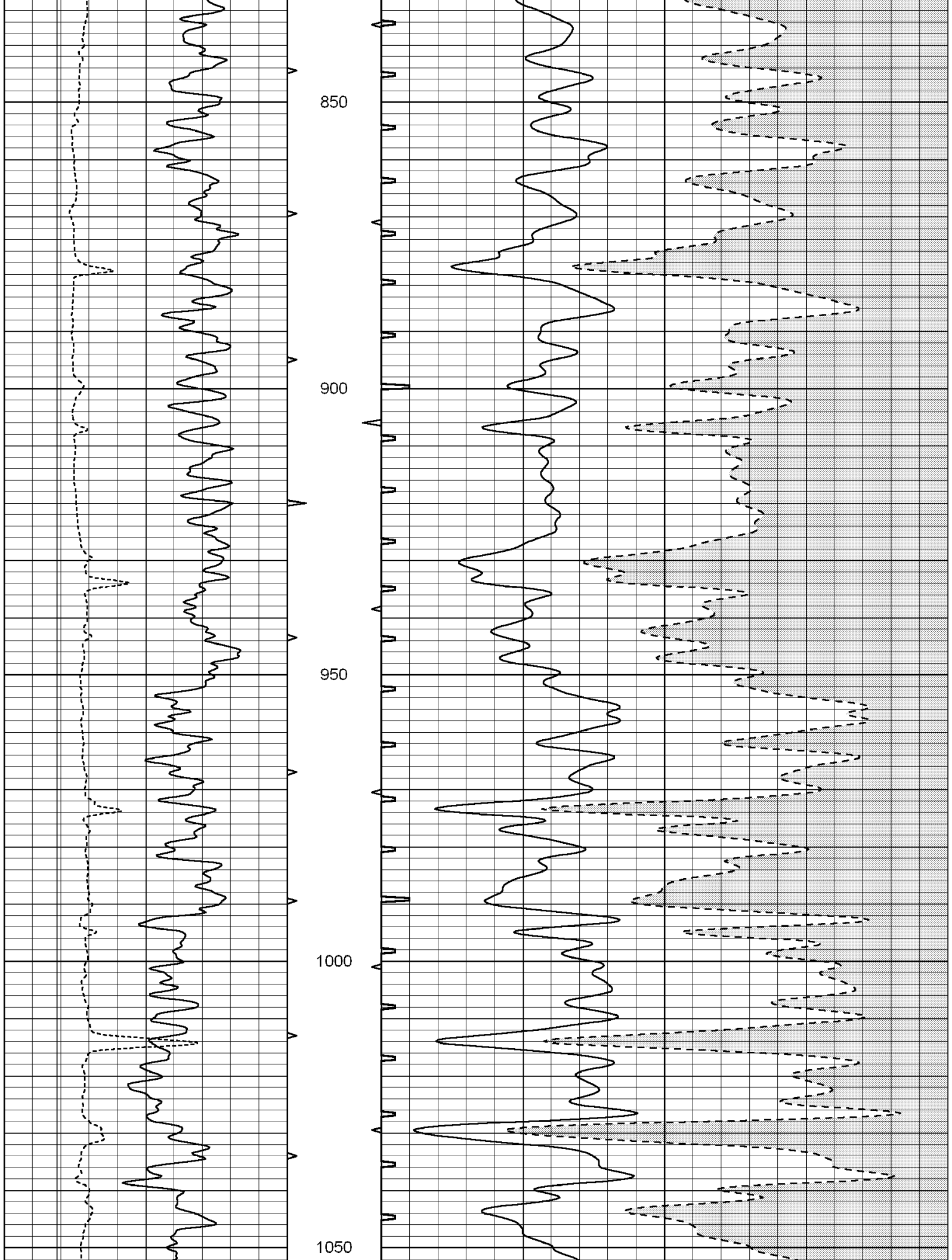
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Dataset Creation: Fri Dec 18 00:30:44 2009

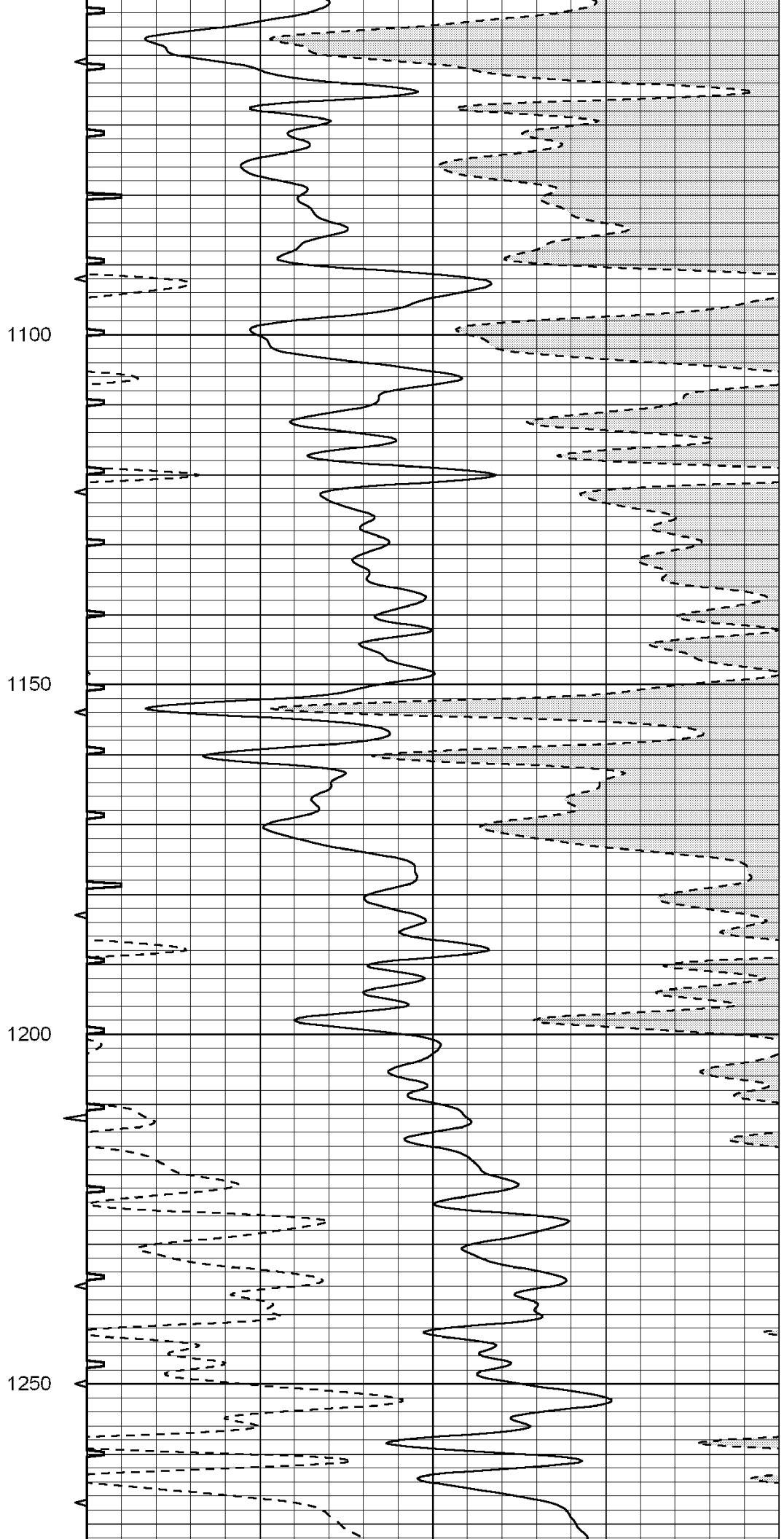
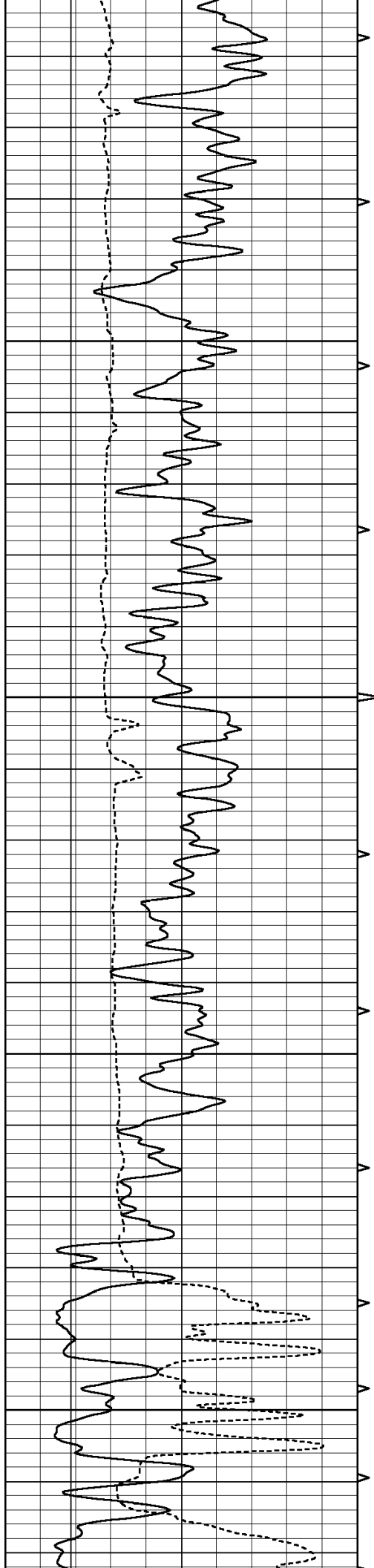
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6	CALIPER (in)	16	10 (ft3) 0	30	SONIC POROSITY (pu)	-10
			TBHV	0	ITT (msec)	20
			0 (ft3) 10			

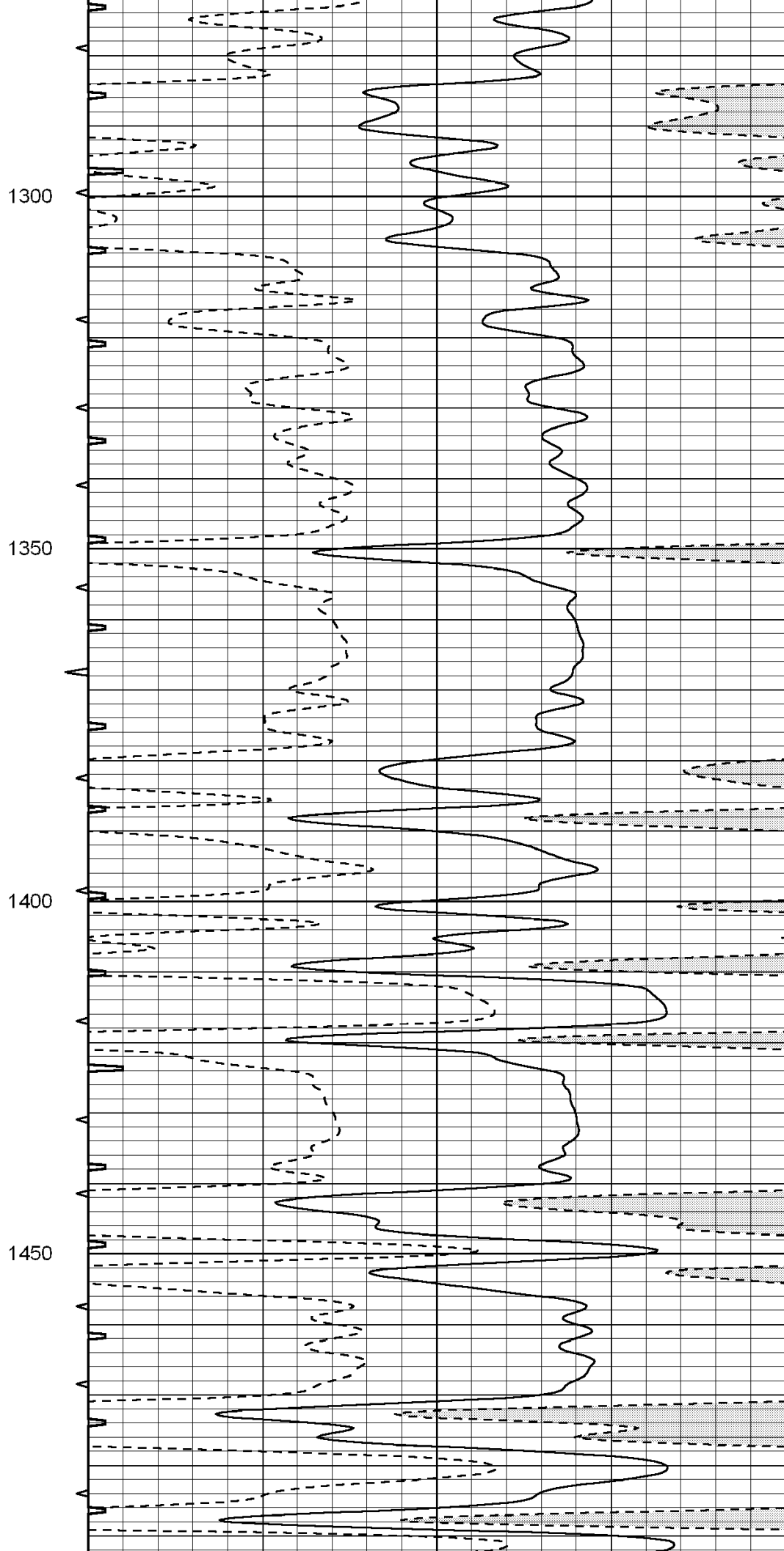
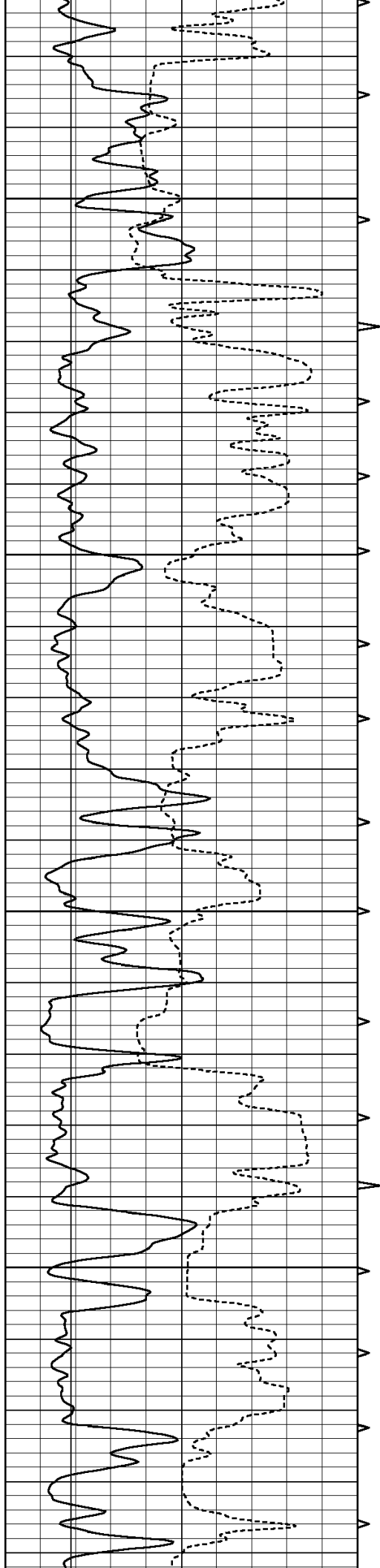


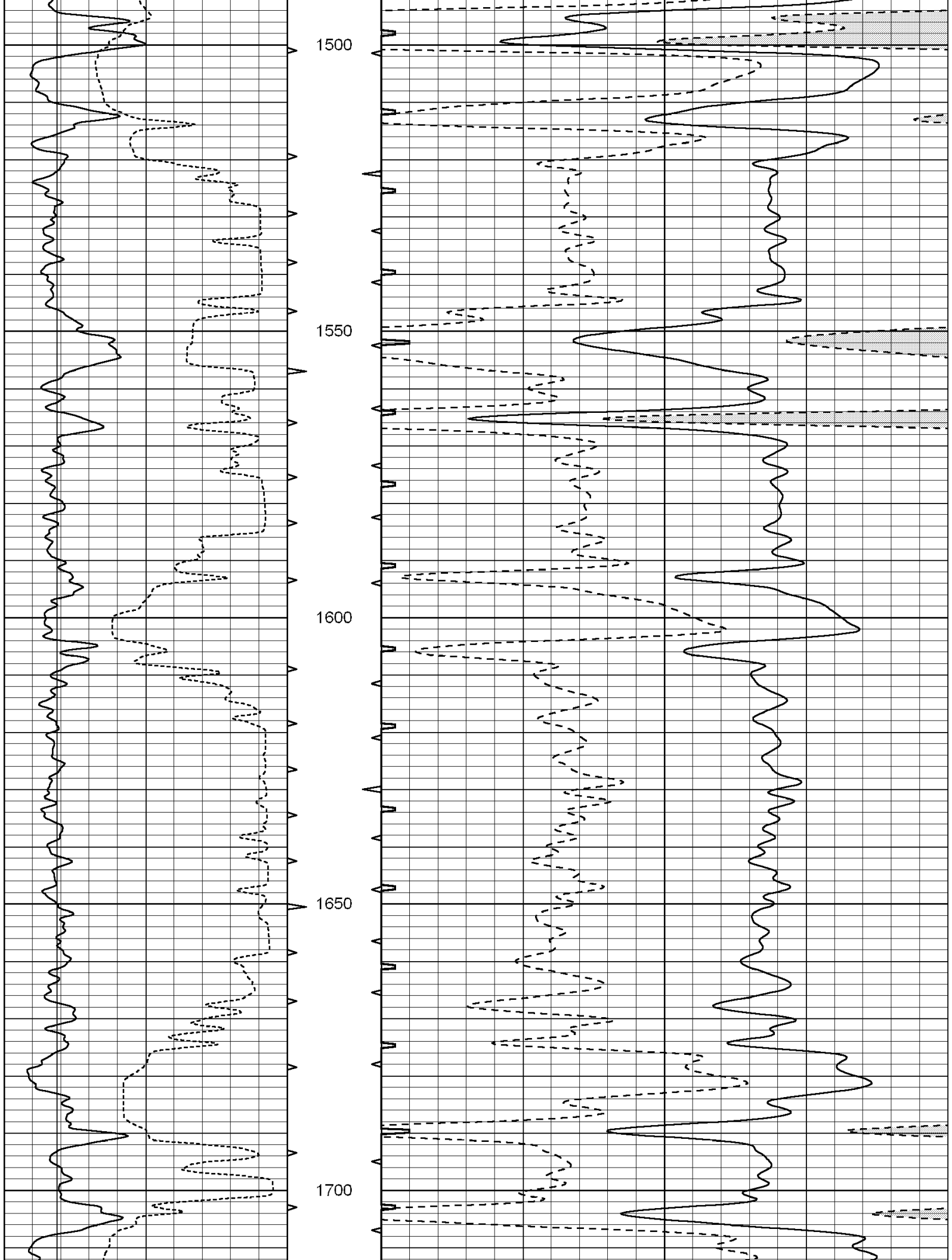


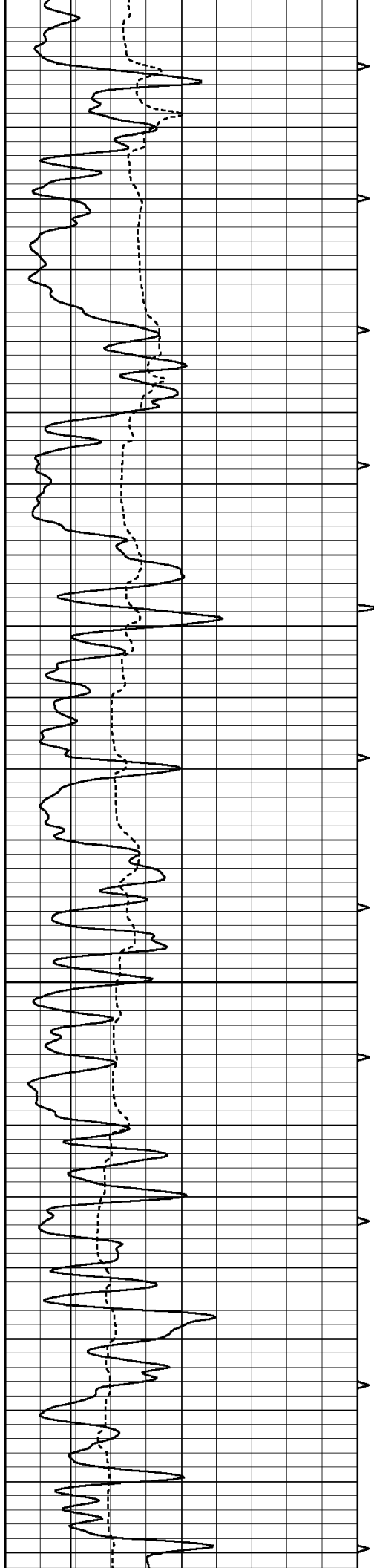










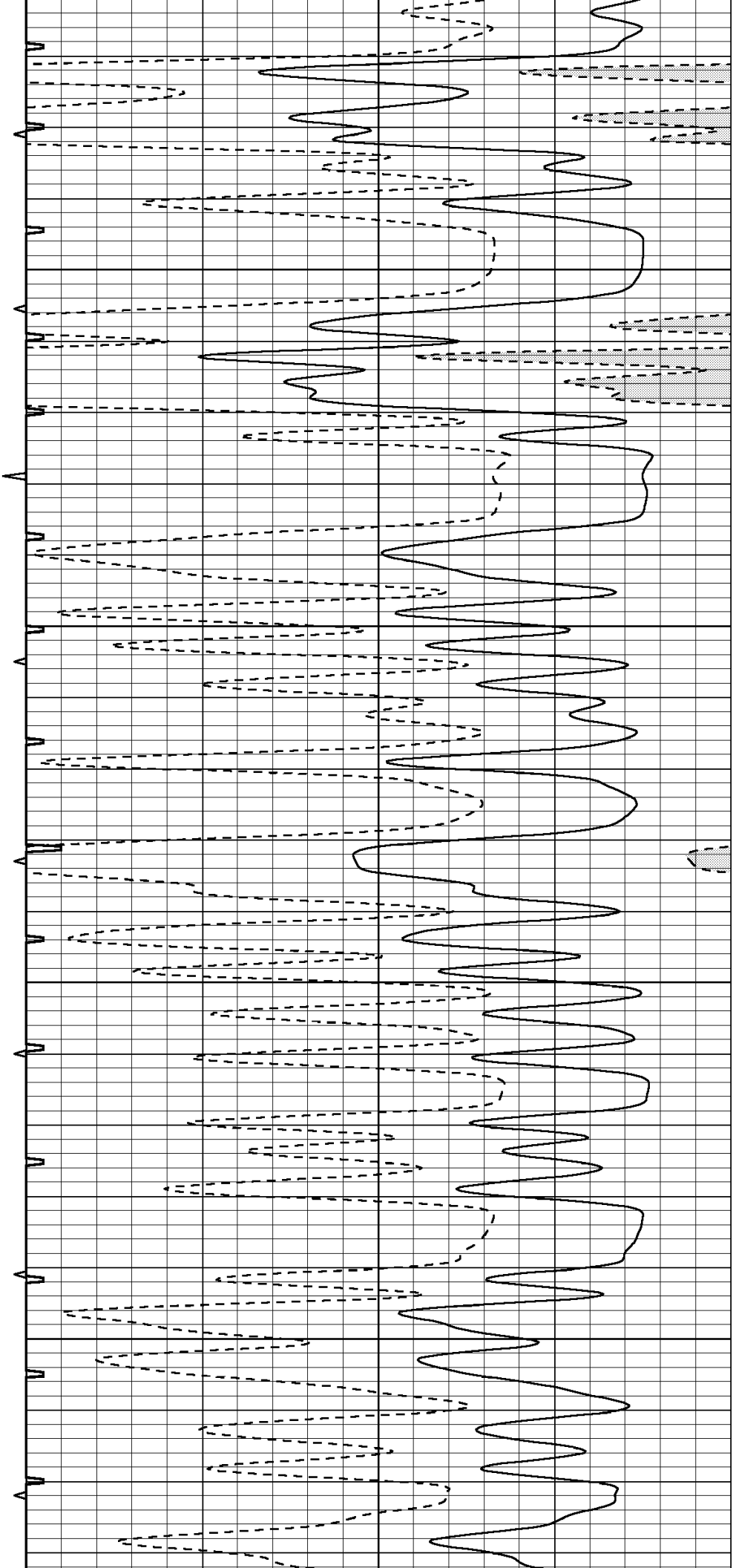


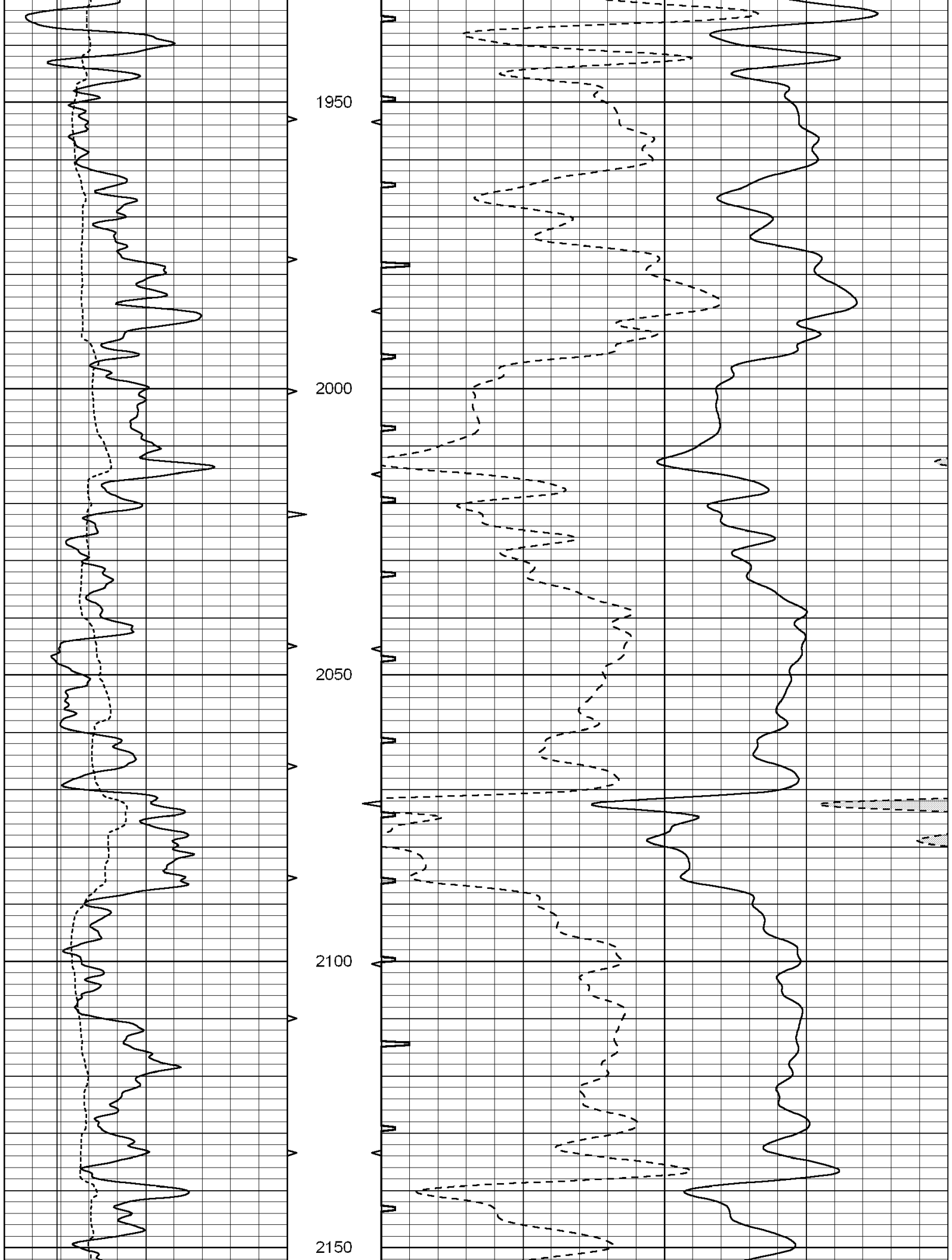
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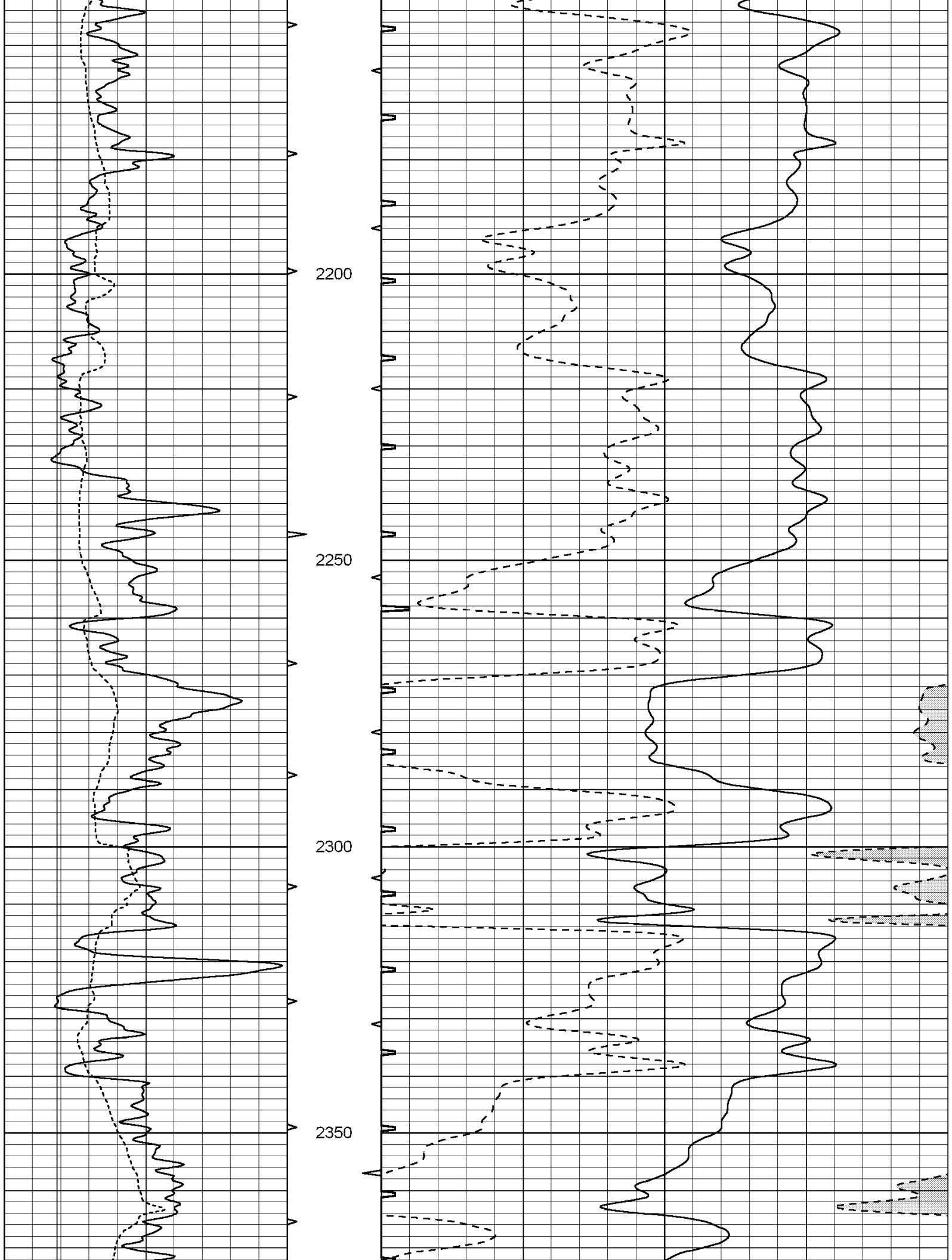
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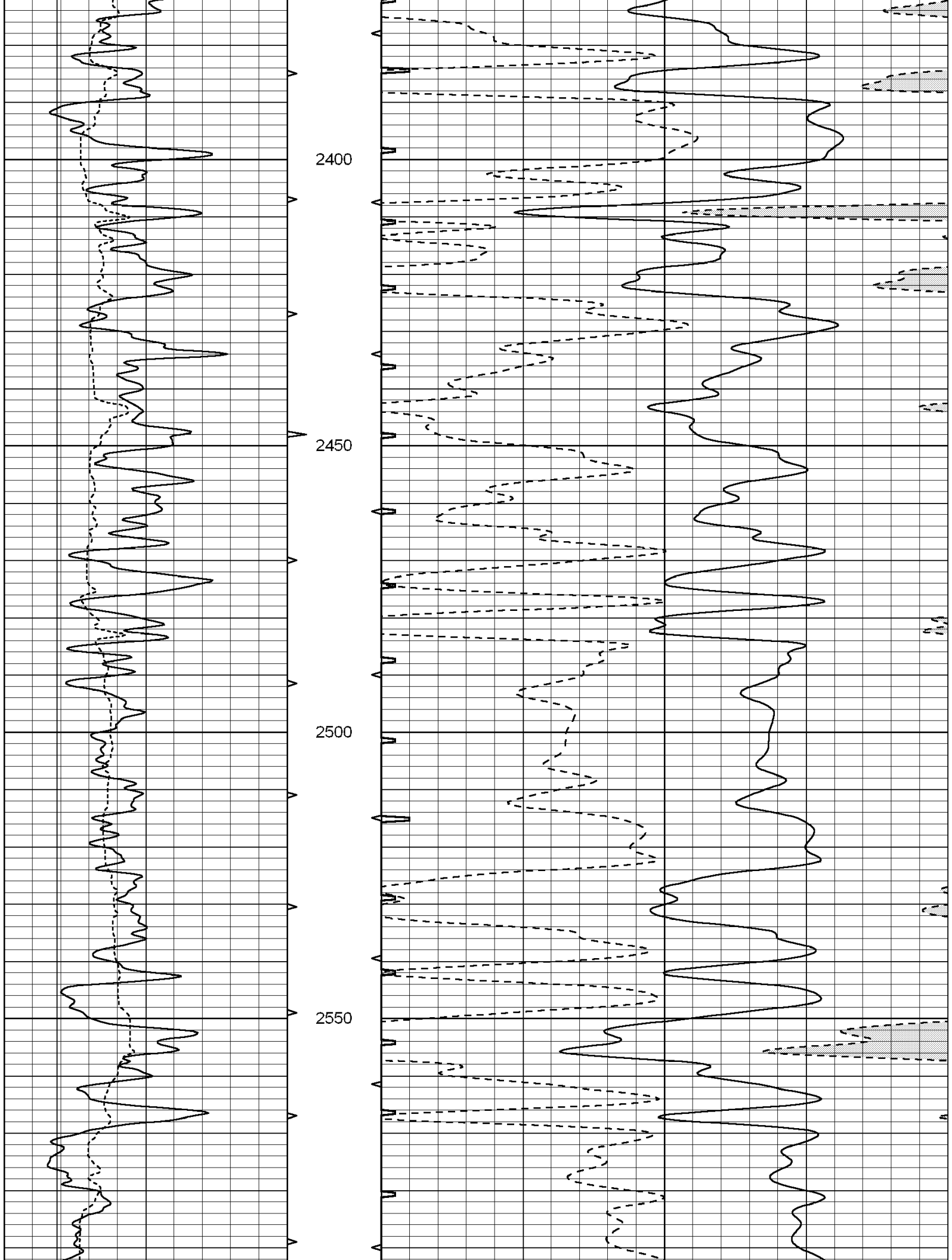
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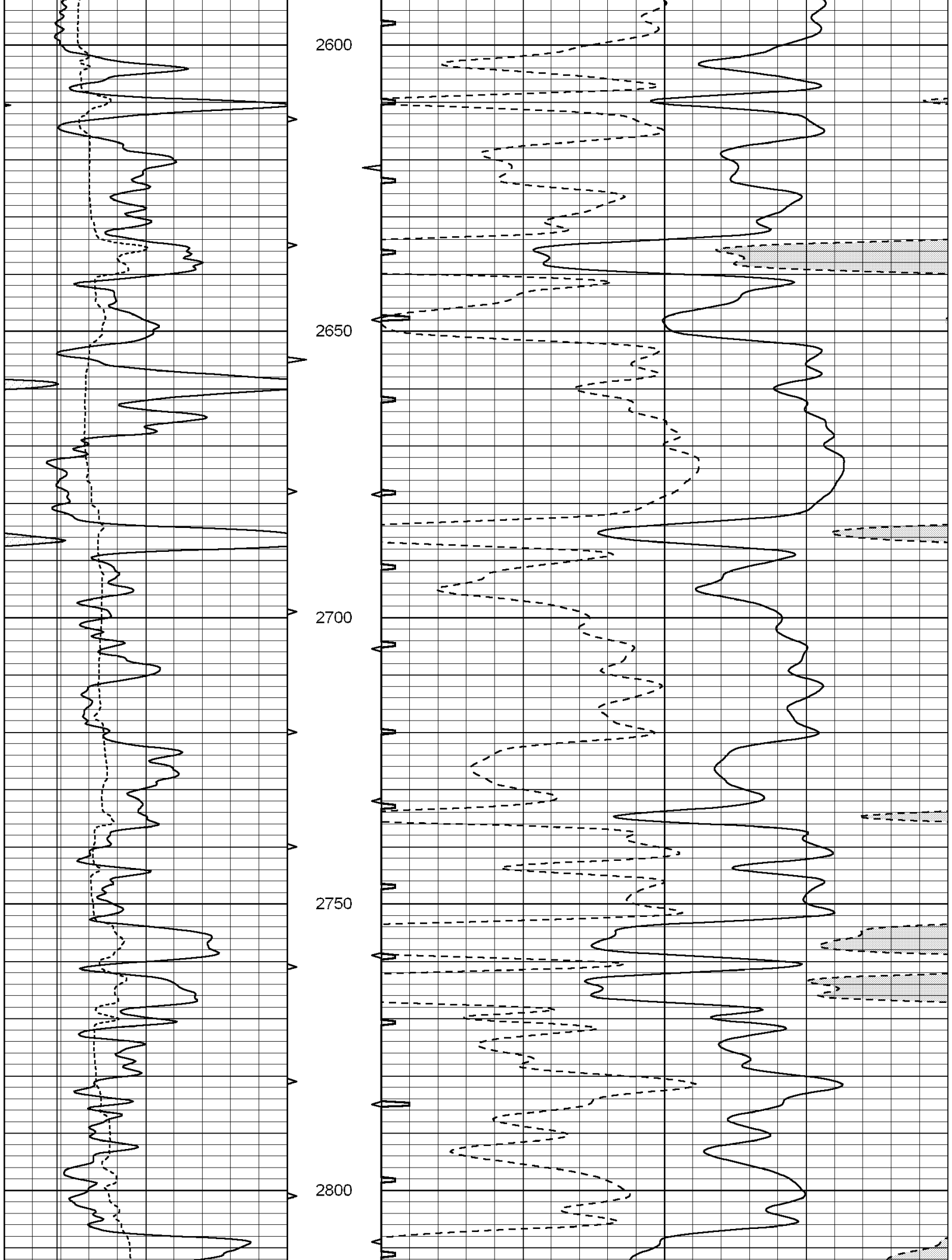
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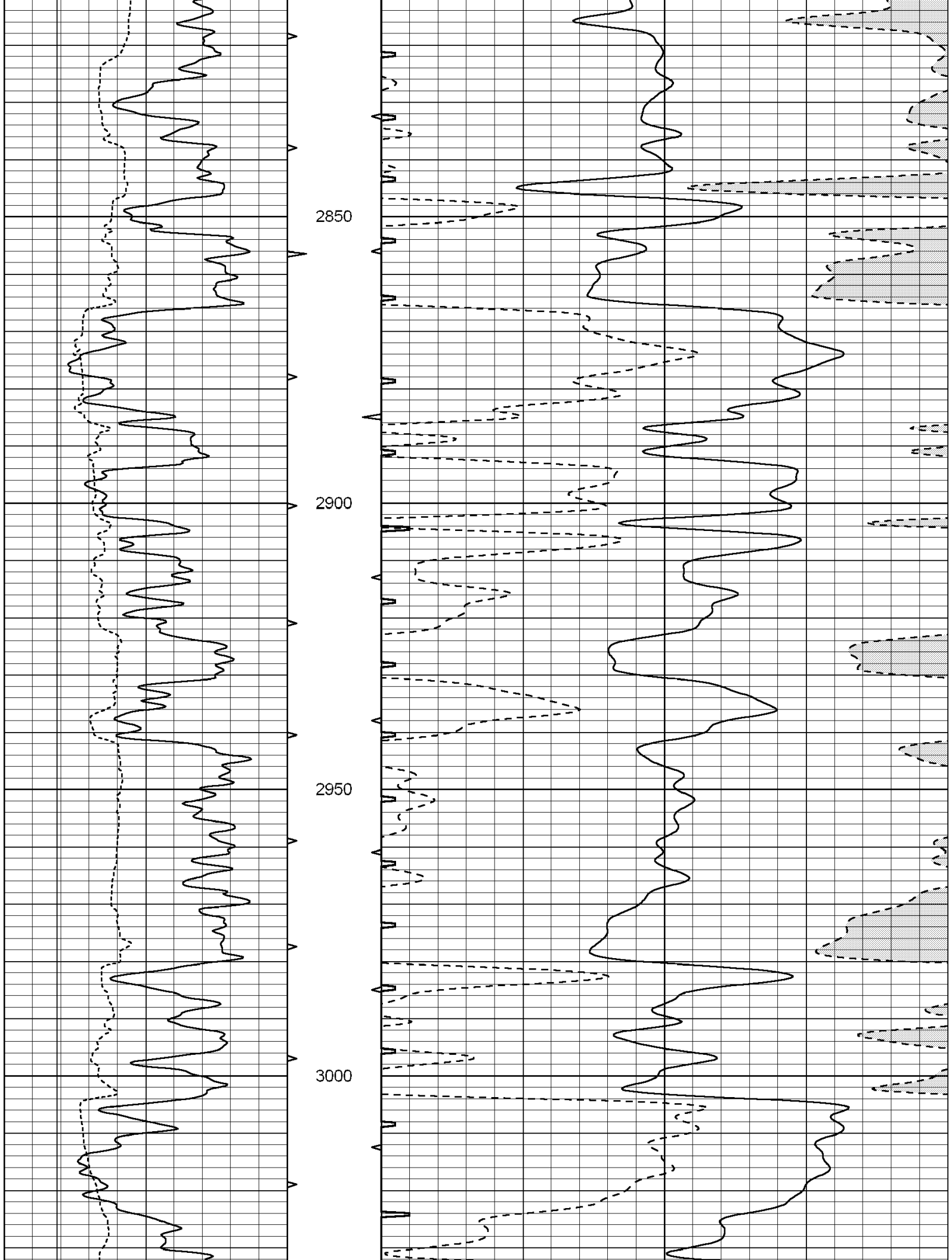


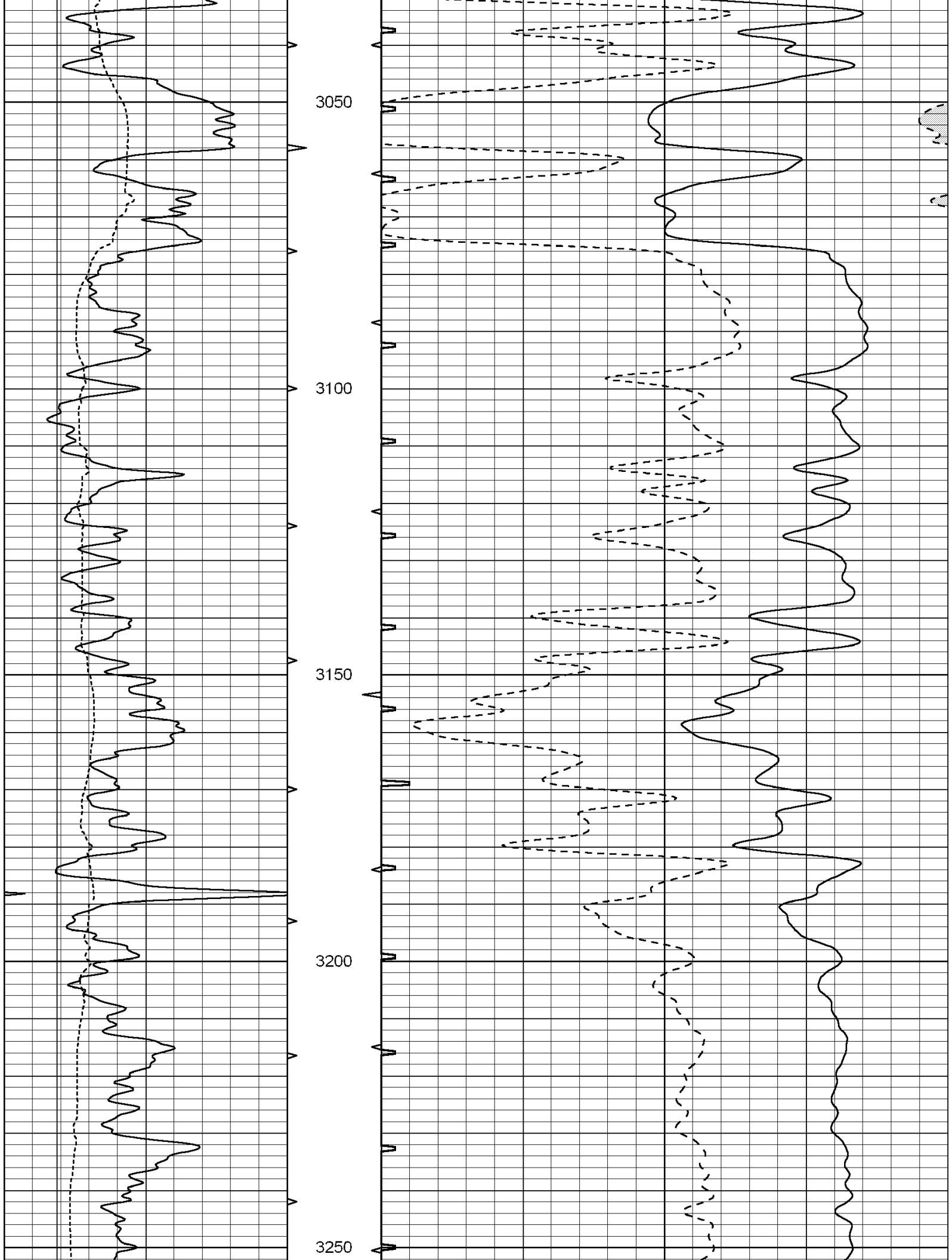


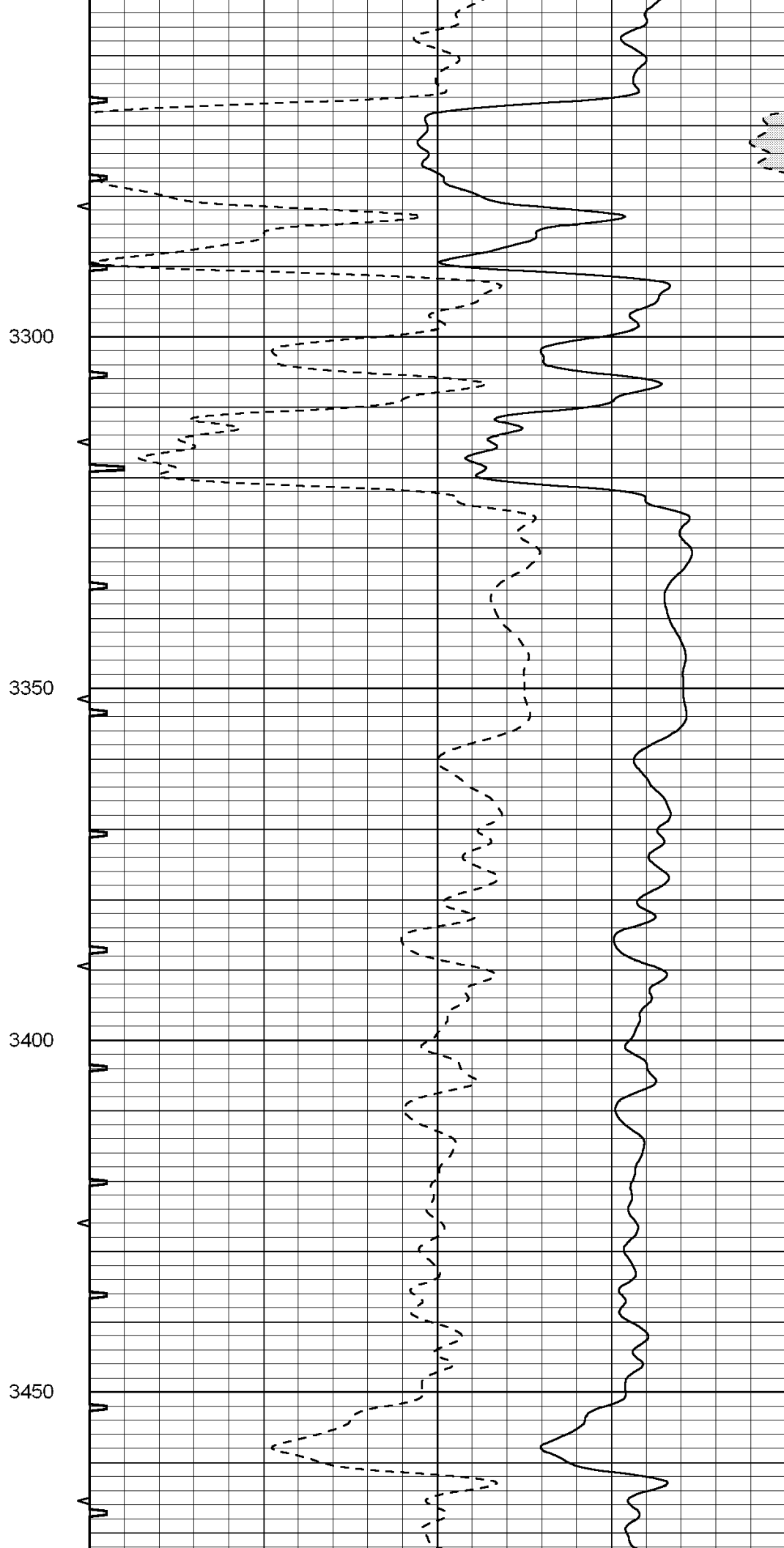
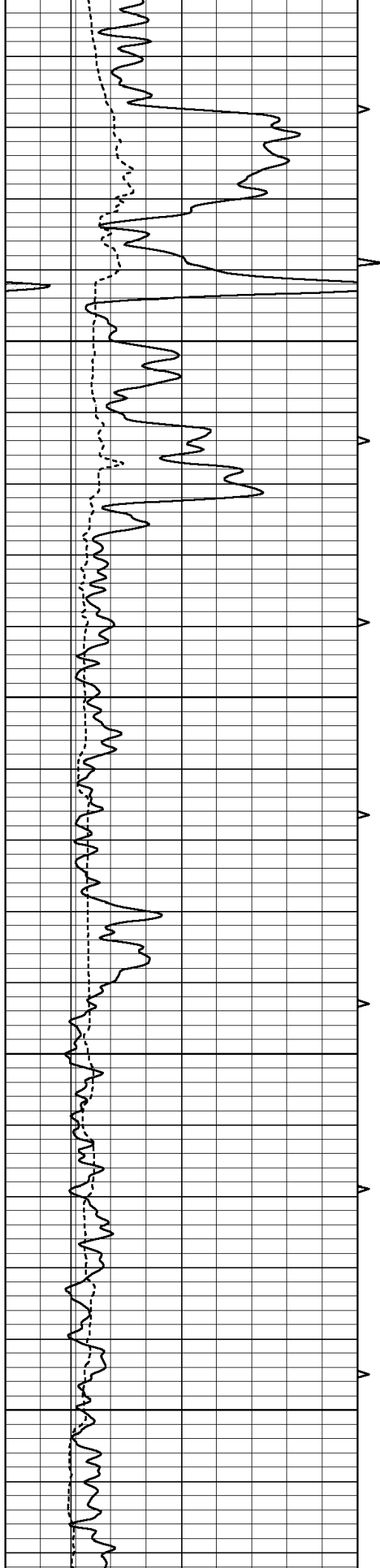


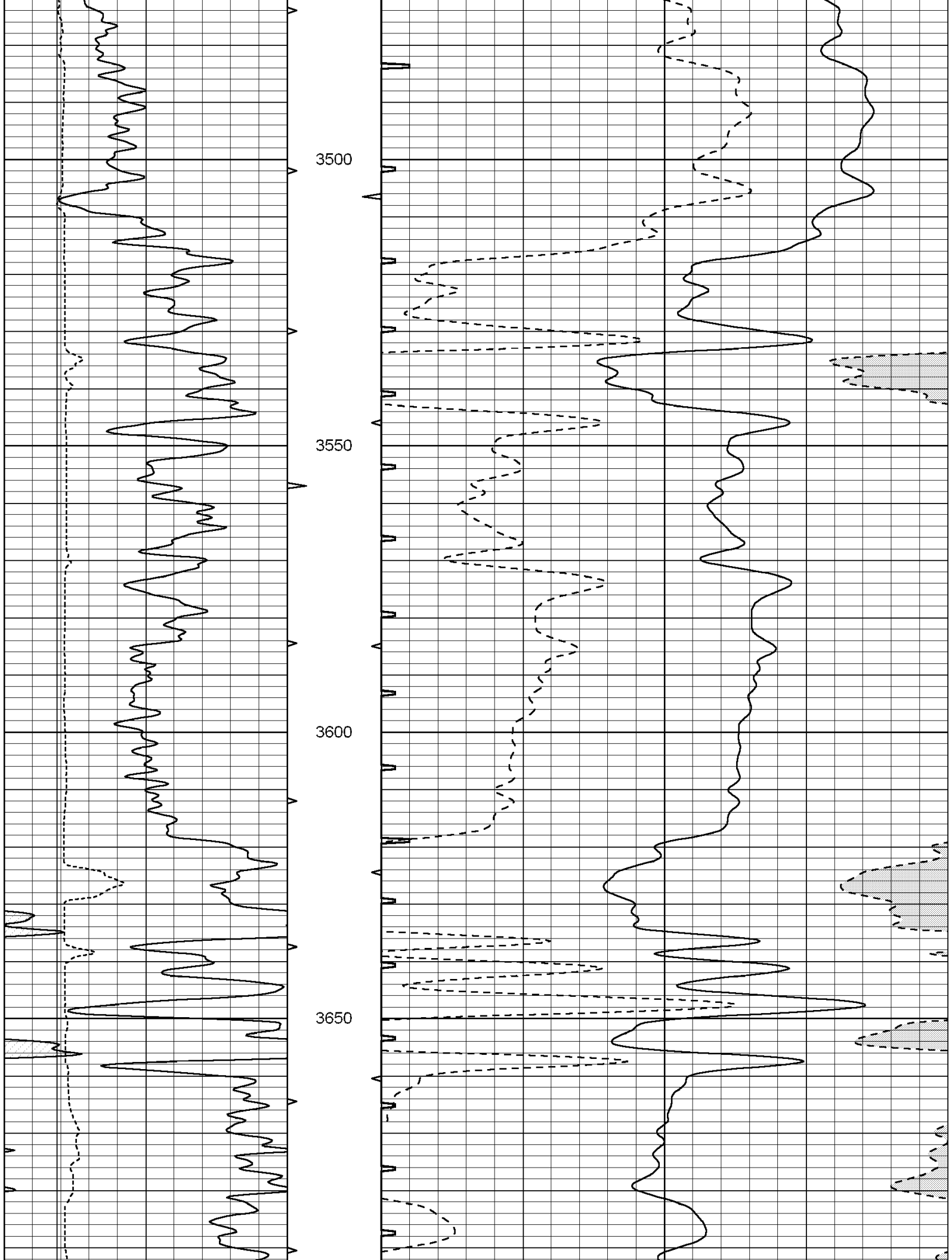


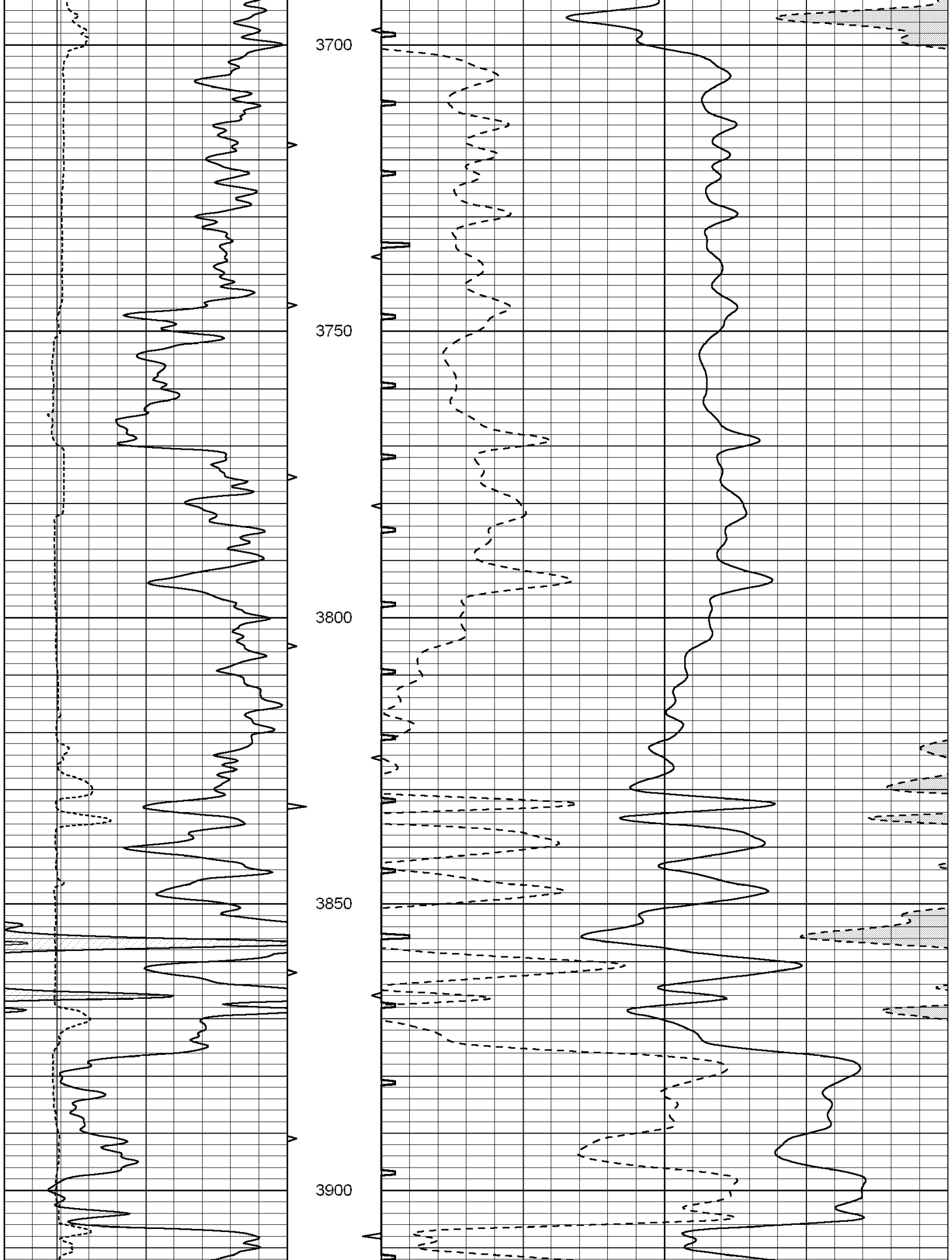


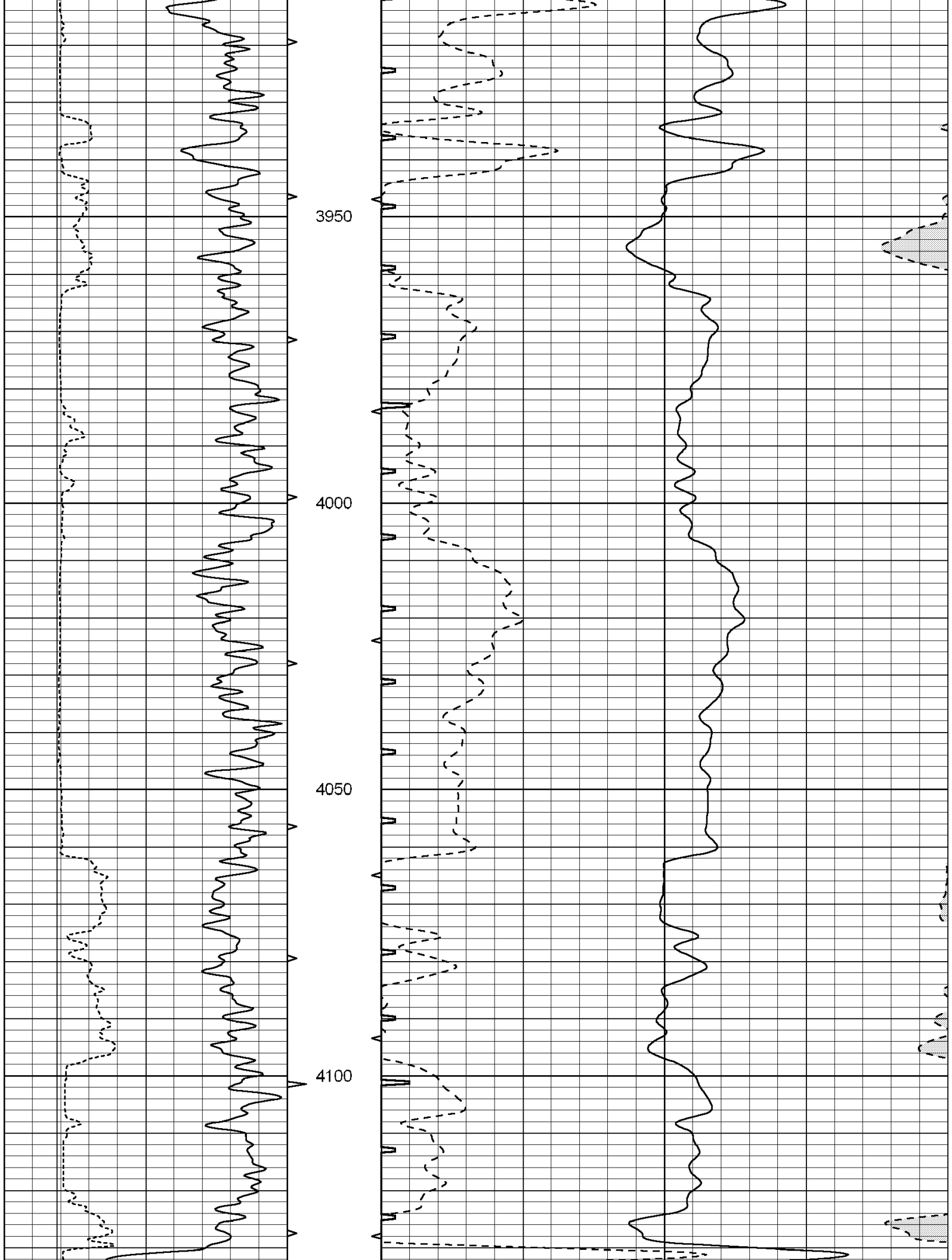


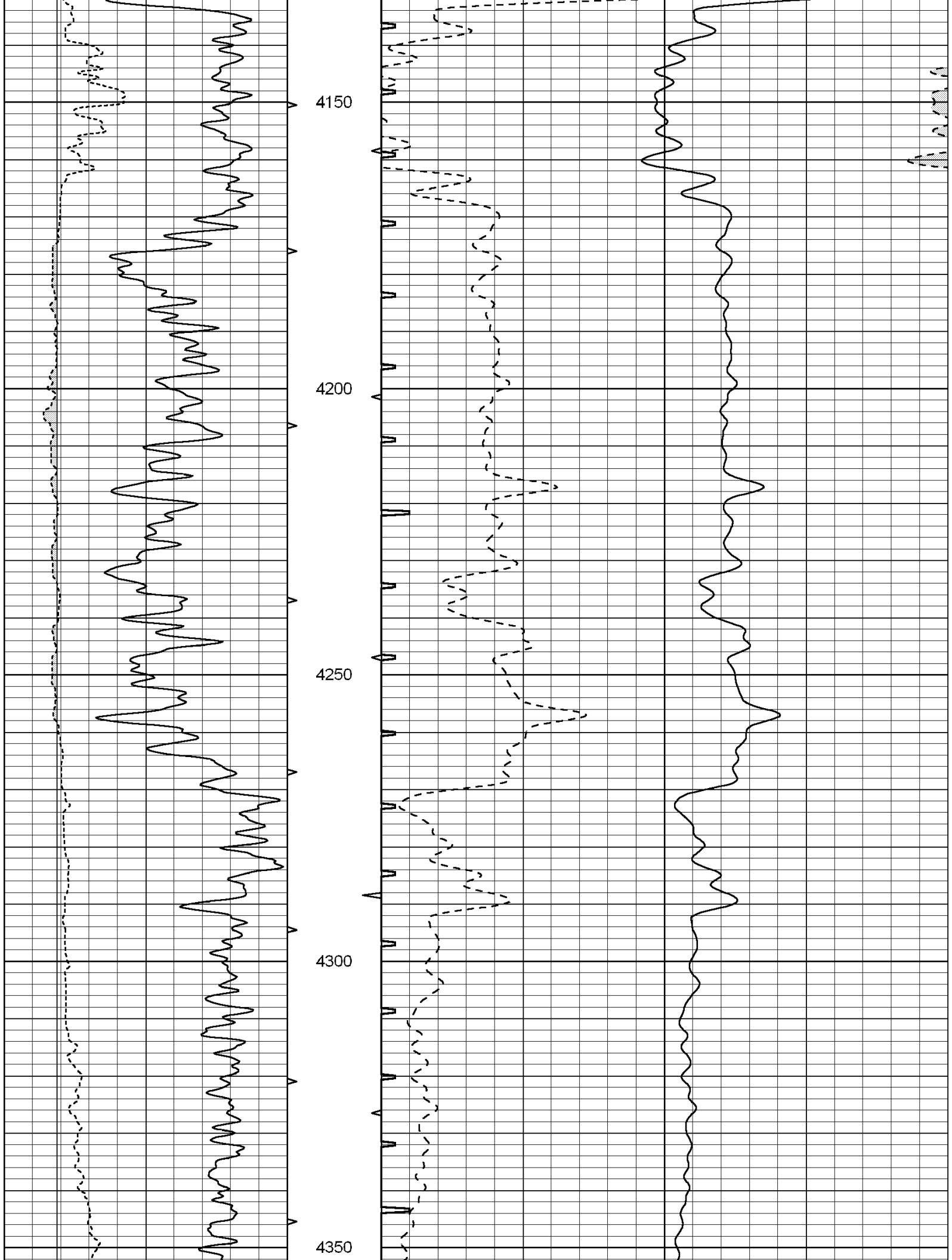


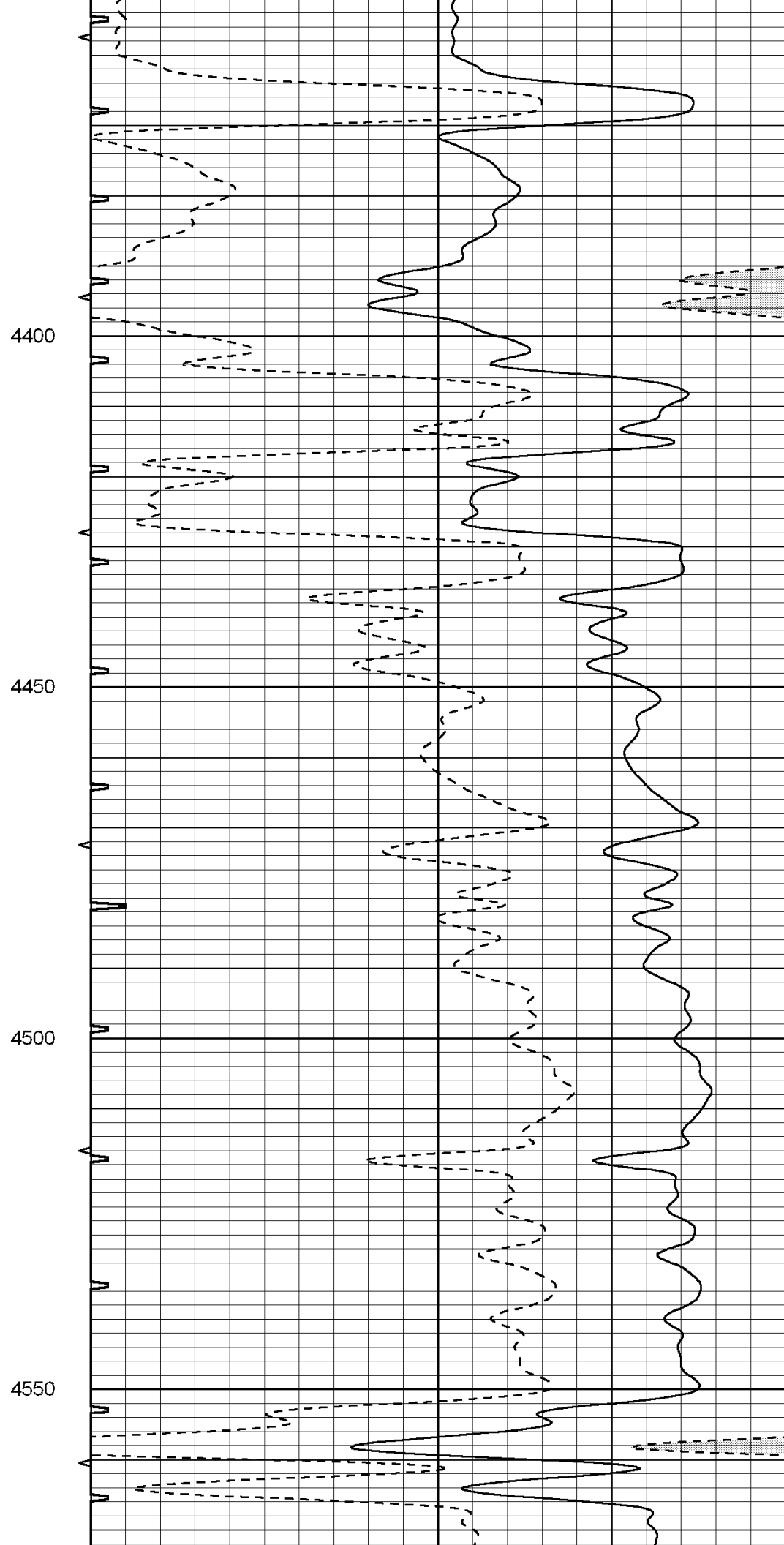
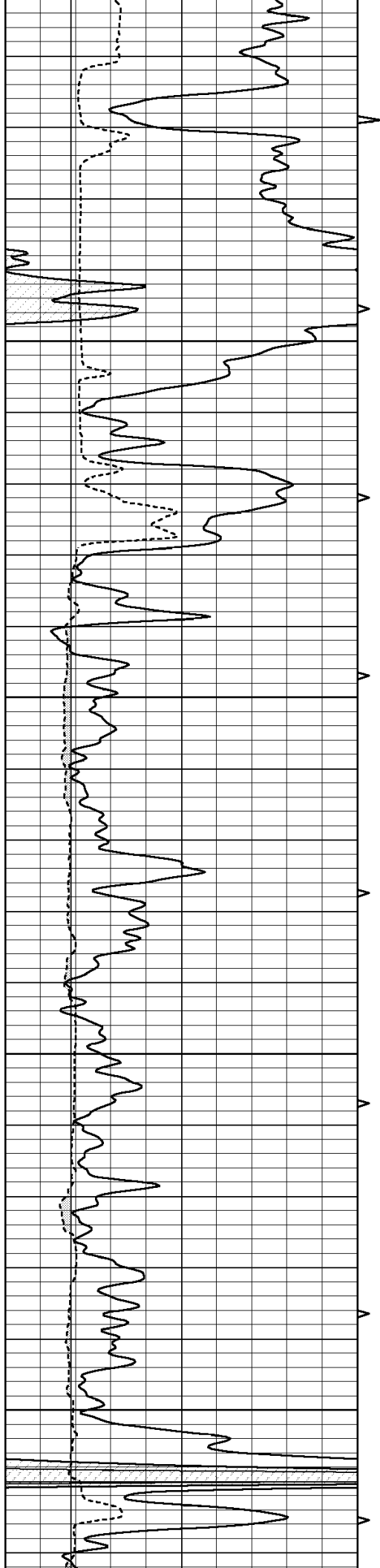


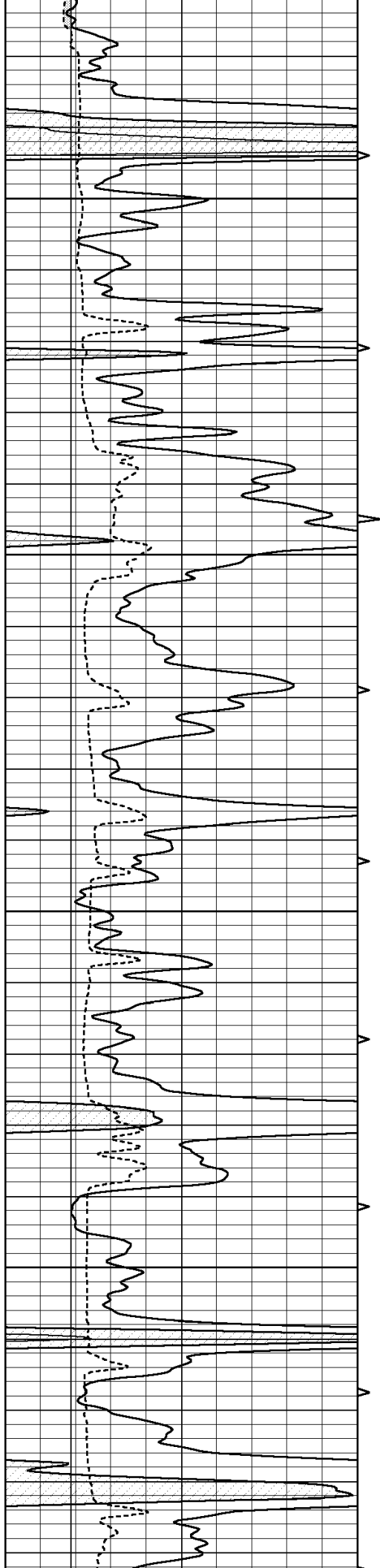










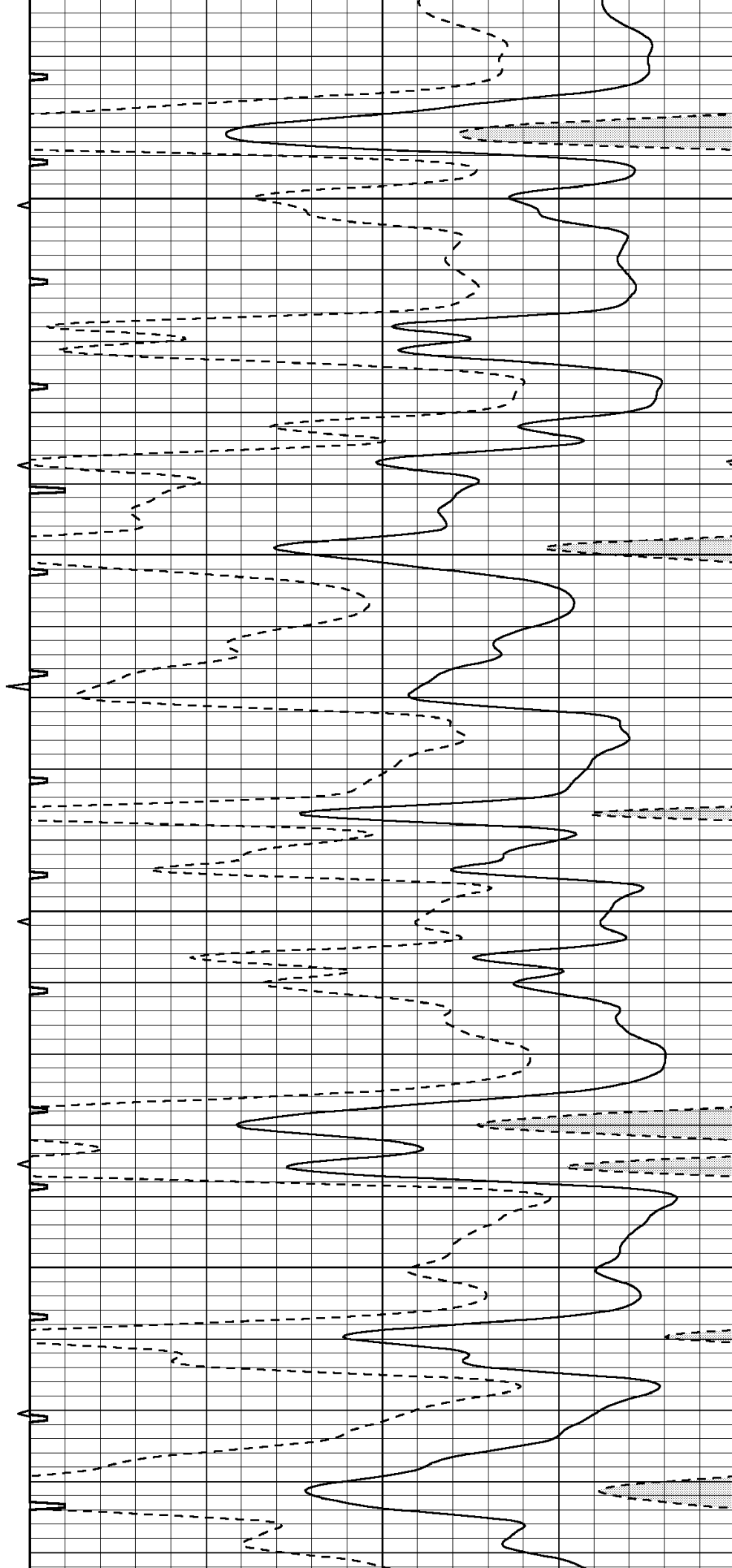


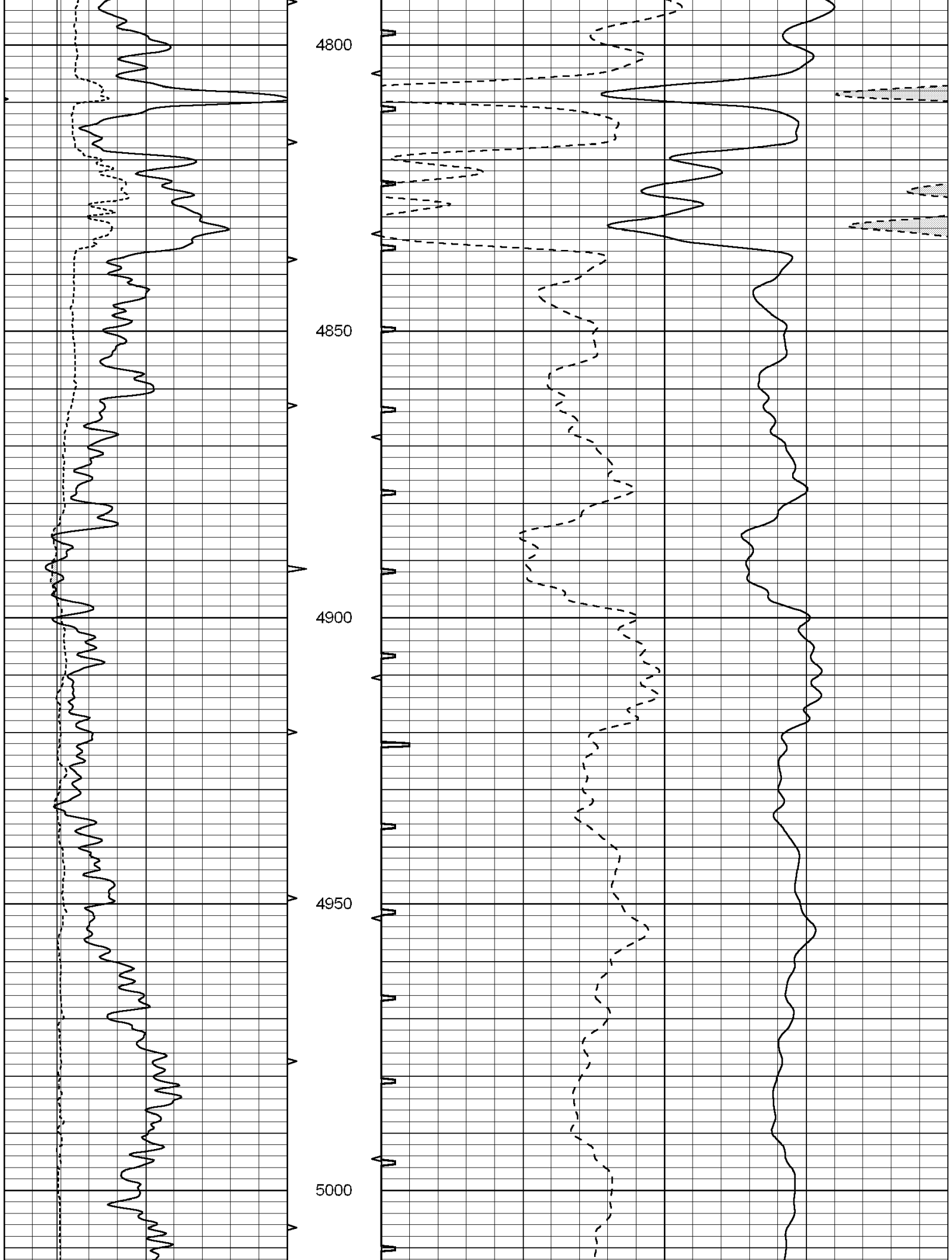
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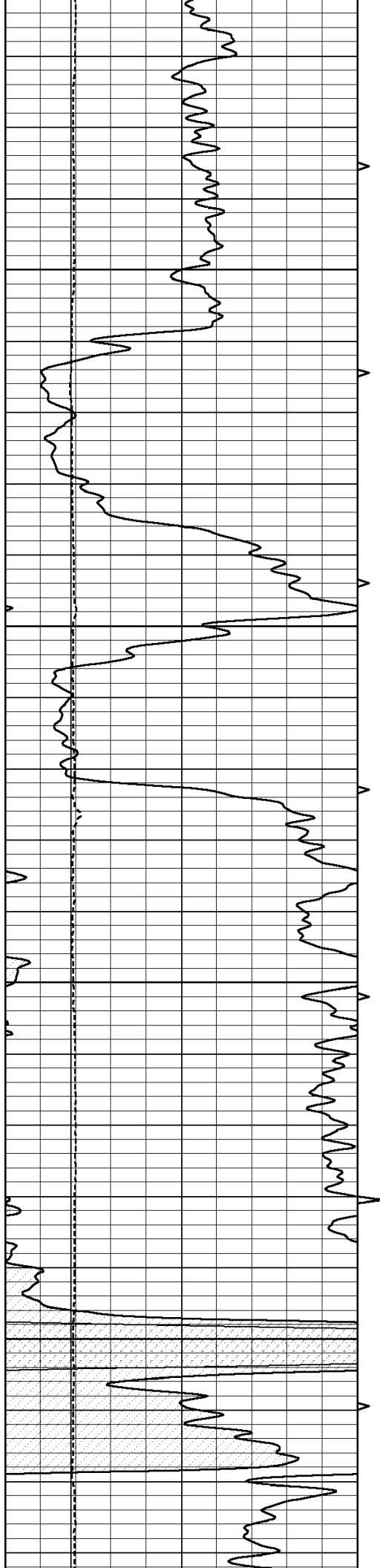
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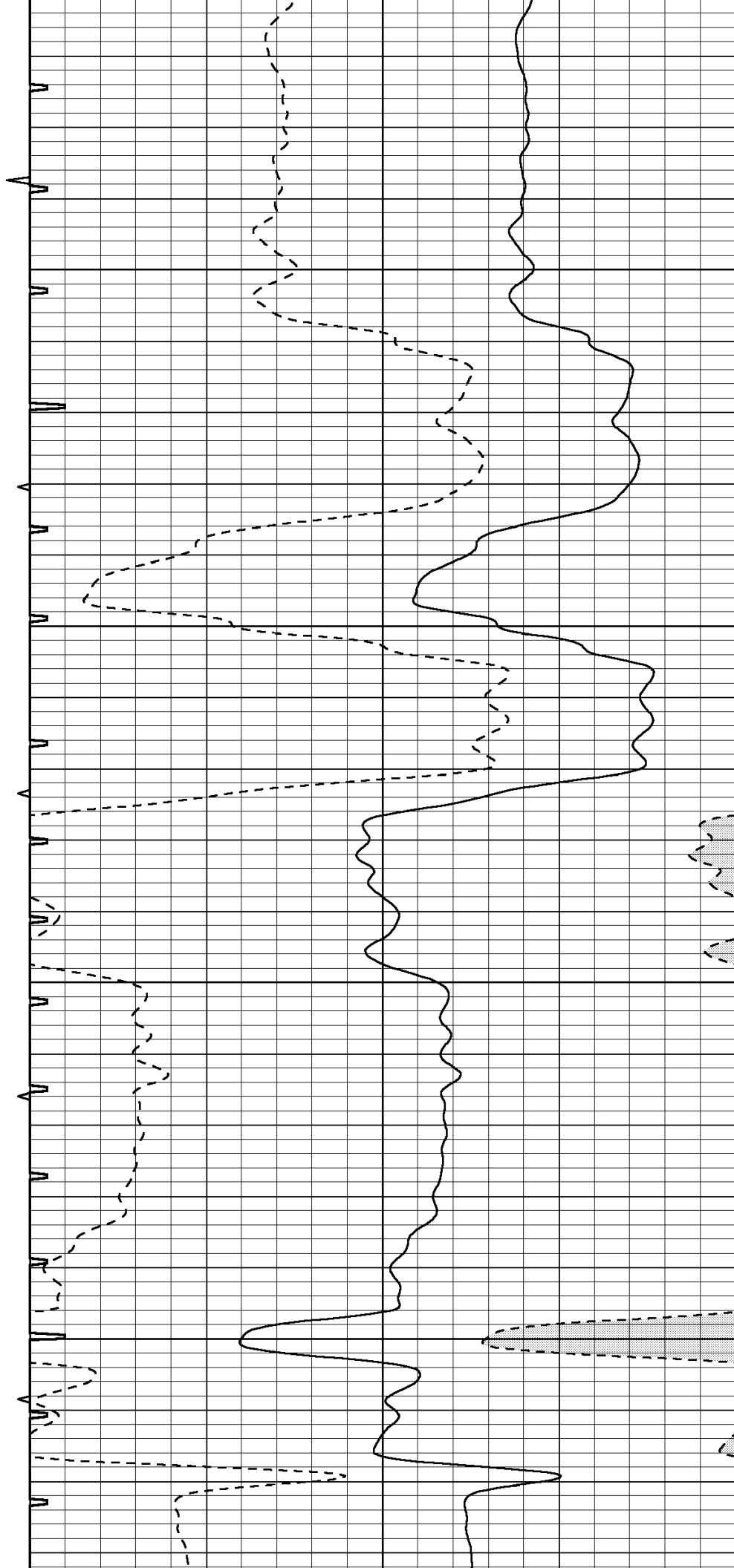


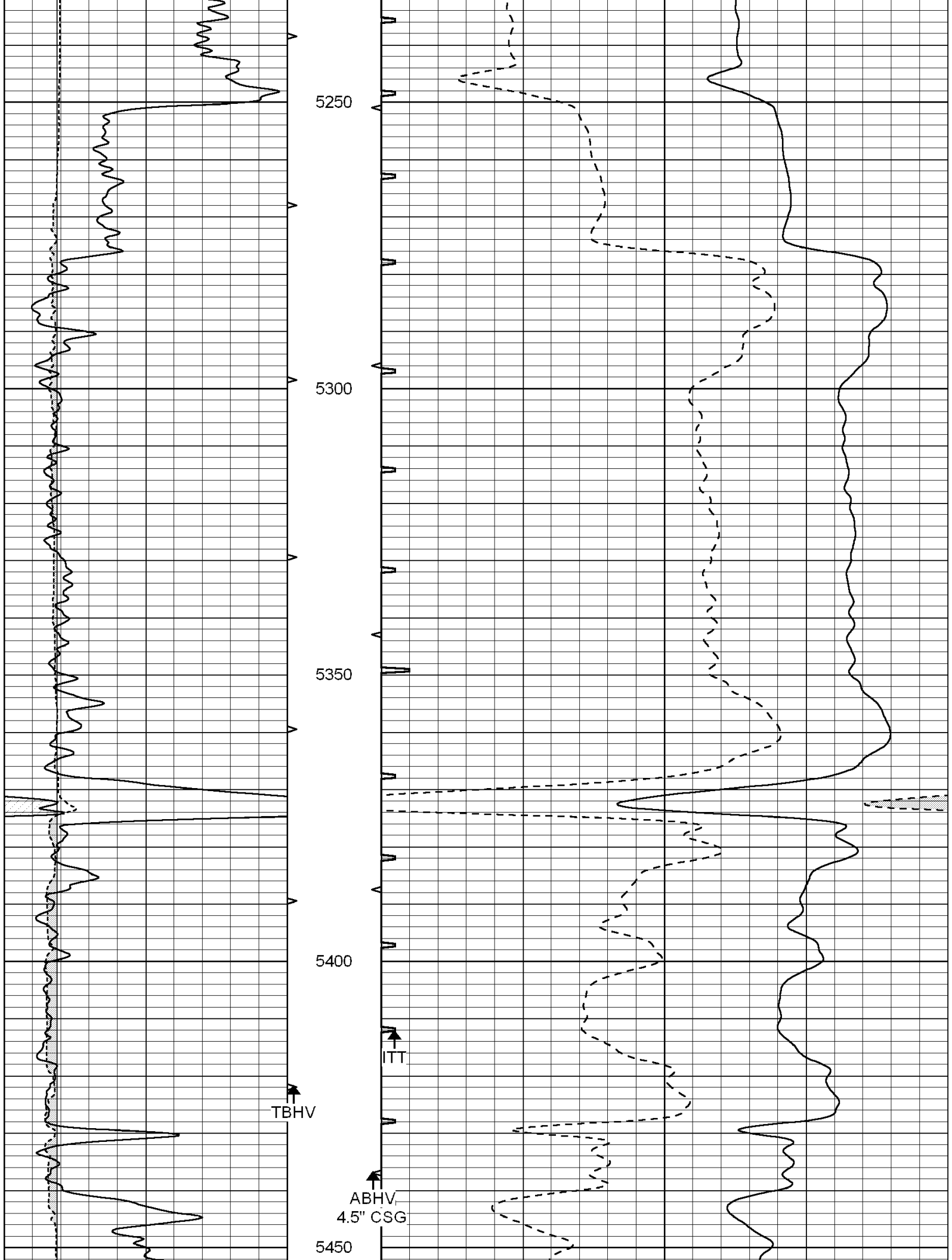
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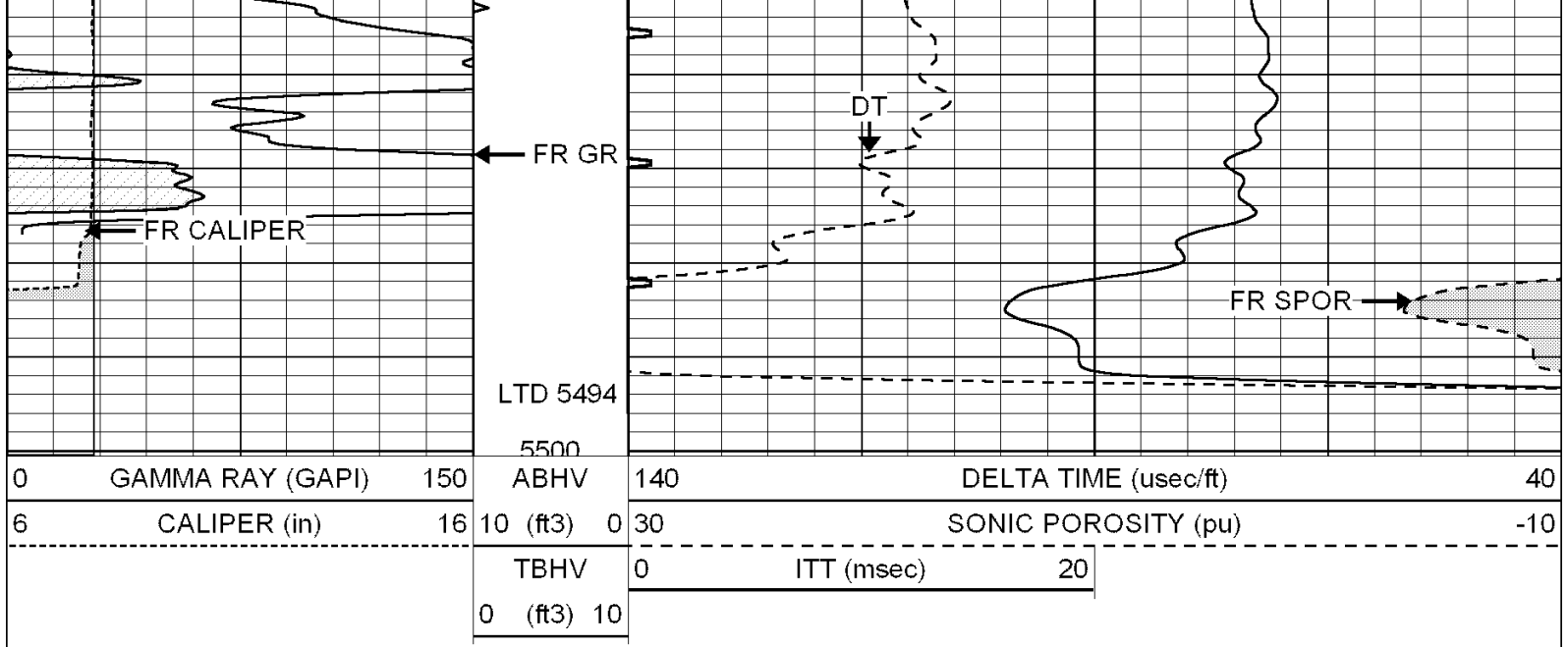
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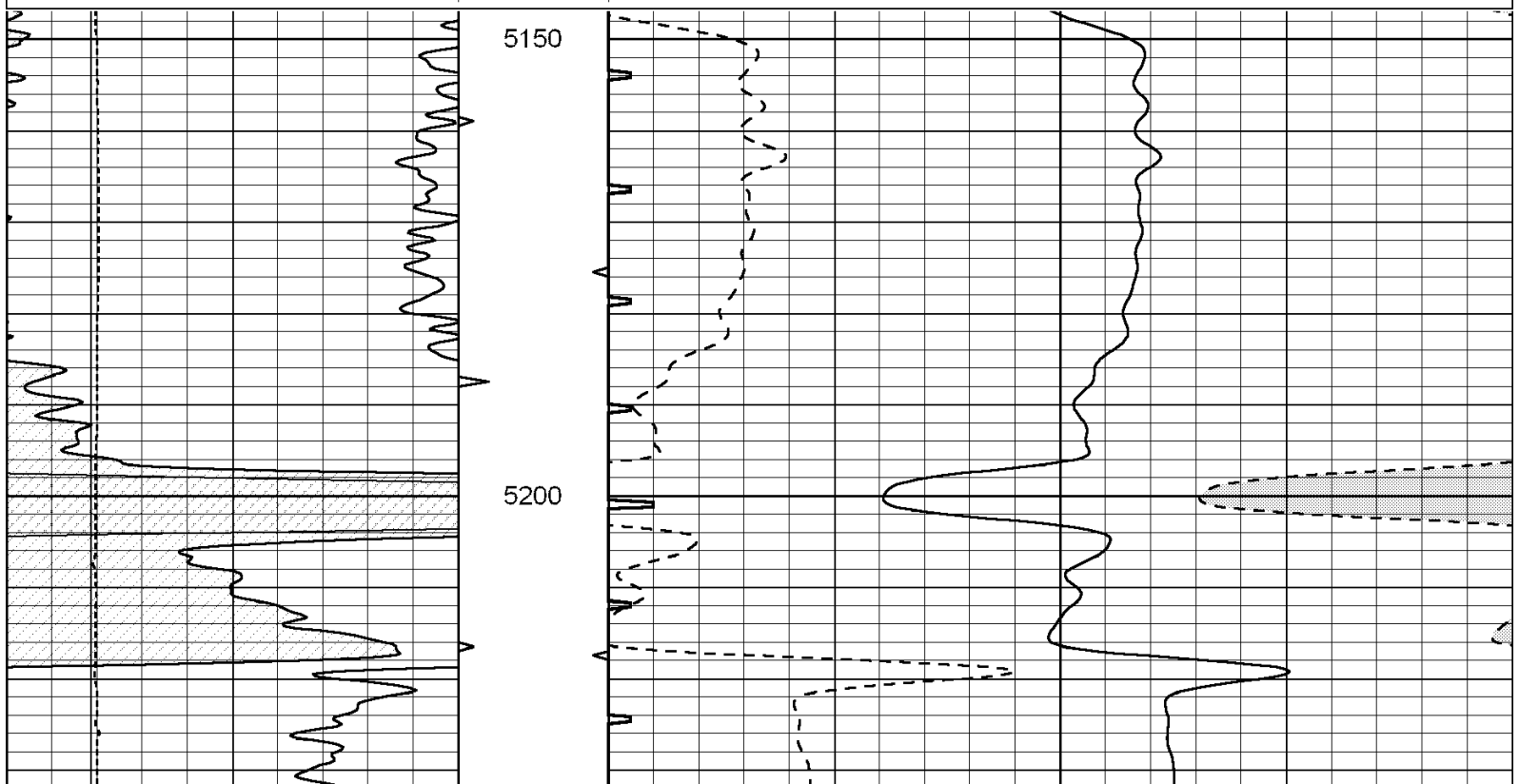


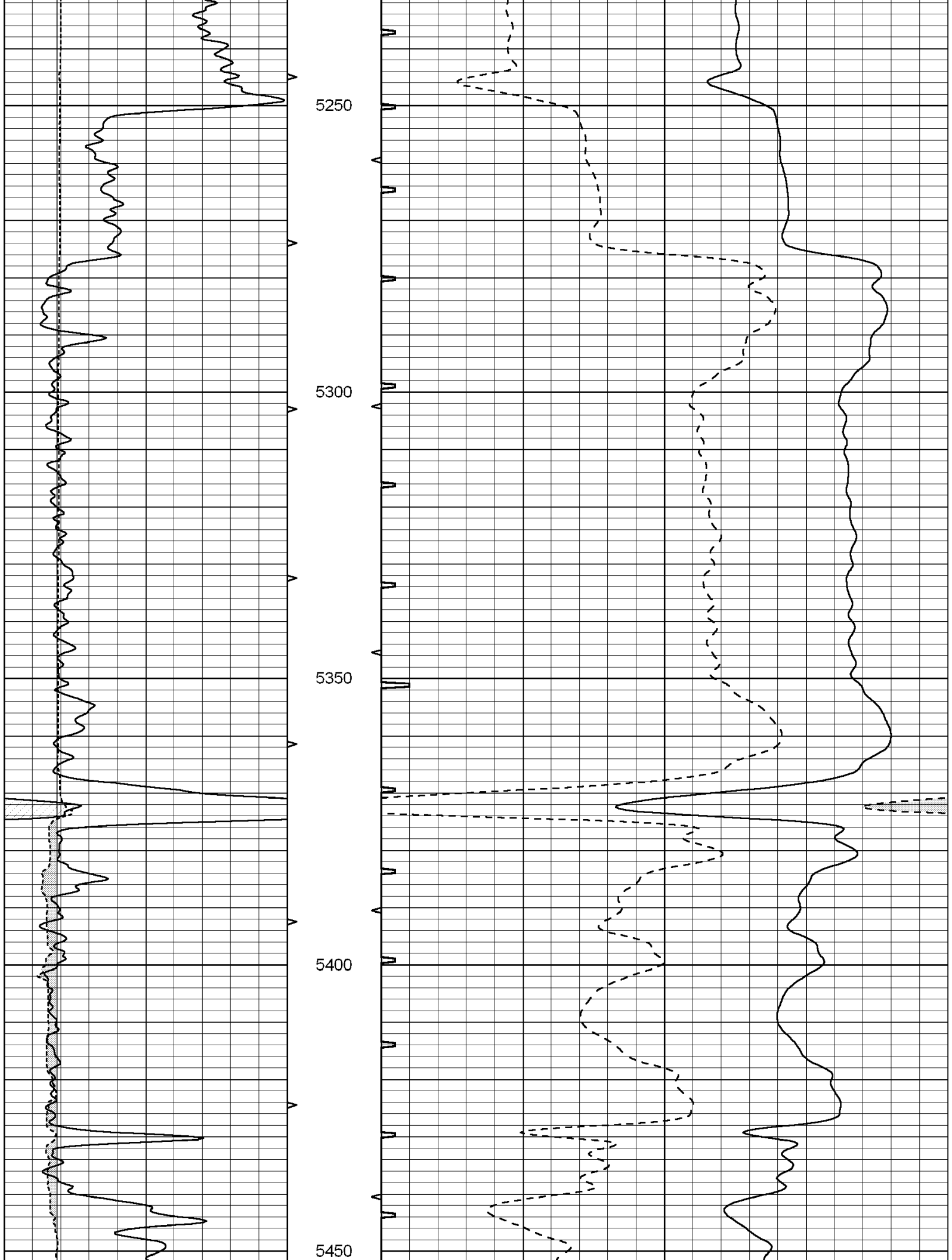
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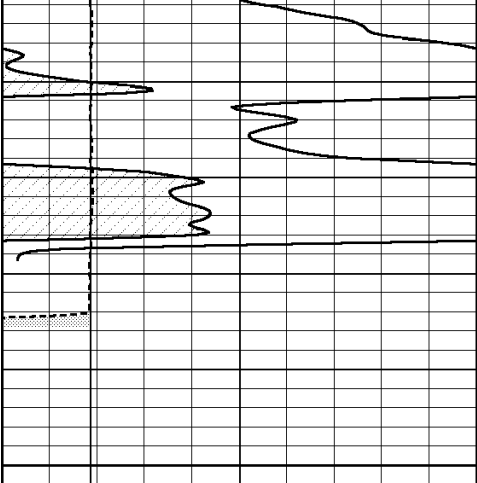
REPEAT SECTION

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 Charted by: Depth in Feet scaled 1:240

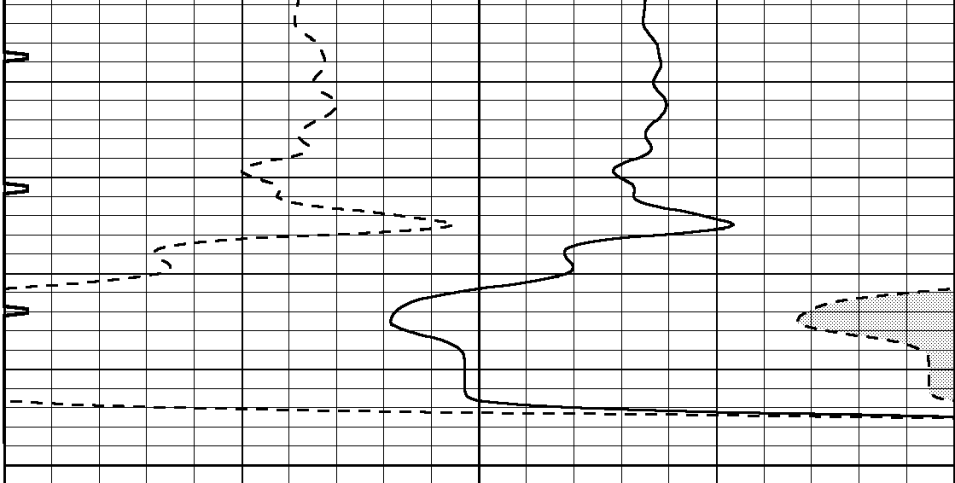
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5500



0 GAMMA RAY (GAPI) 150

6 CALIPER (in) 16

ABHV

10 (ft3) 0

TBHV

0 (ft3) 10

140

30

0

20

DELTA TIME (u sec/ft)

SONIC POROSITY (pu)

ITT (msec)

40

-10

20