



SONIC LOG

Company INDIAN OIL CO., INC.  
Well # C 3 BELL  
Field JEM  
County BARBER  
State KANSAS

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Location: API #: 15-007-24352-0000  
1400' FSL & 3300' FEL  
SEC 5 TWP 30S RGE 13W  
Permanent Datum GROUND LEVEL Elevation 1931  
Log Measured From KELLY BUSHING 12' A.G.L.  
Drilling Measured From KELLY BUSHING  
Elevation  
K.B. 1943  
D.F. 1941  
G.L. 1931

Date	06/21/19
Run Number	TWO
Depth Driller	4840
Depth Logger	4843
Bottom Logged Interval	4833
Top Log Interval	00
Casing Driller	13 3/8" @ 265
Casing Logger	265
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.4/52
pH / Fluid Loss	10.0/10.4
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.3 @ 70F
Rmt @ Meas. Temp	.23 @ 70F
Rmc @ Meas. Temp	.36 @ 70F
Source of Rmf / Rmc	MEASURED
Rm @ BHT	.17 @ 123F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	///
Maximum Recorded Temperature	123F
Equipment Number	1523
Location	HAYS, KANSAS
Recorded By	GUS PFANENSTIEL
Witnessed By	AARON YOUNG

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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

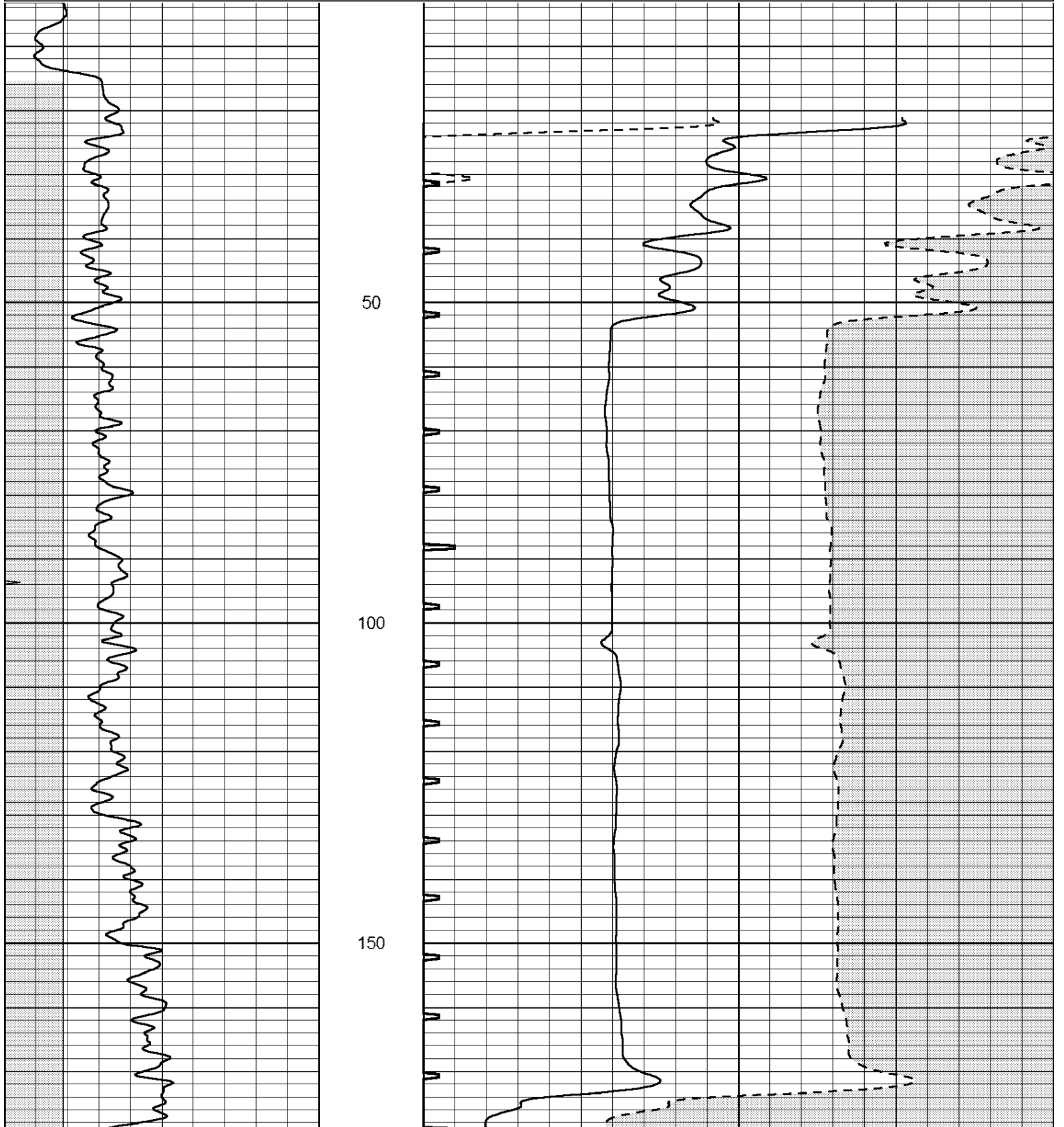
THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395  
DIRECTIONS  
SOUTH OF SAWYER 3 TO FALCON RD.  
WEST 4 1/2 MILES

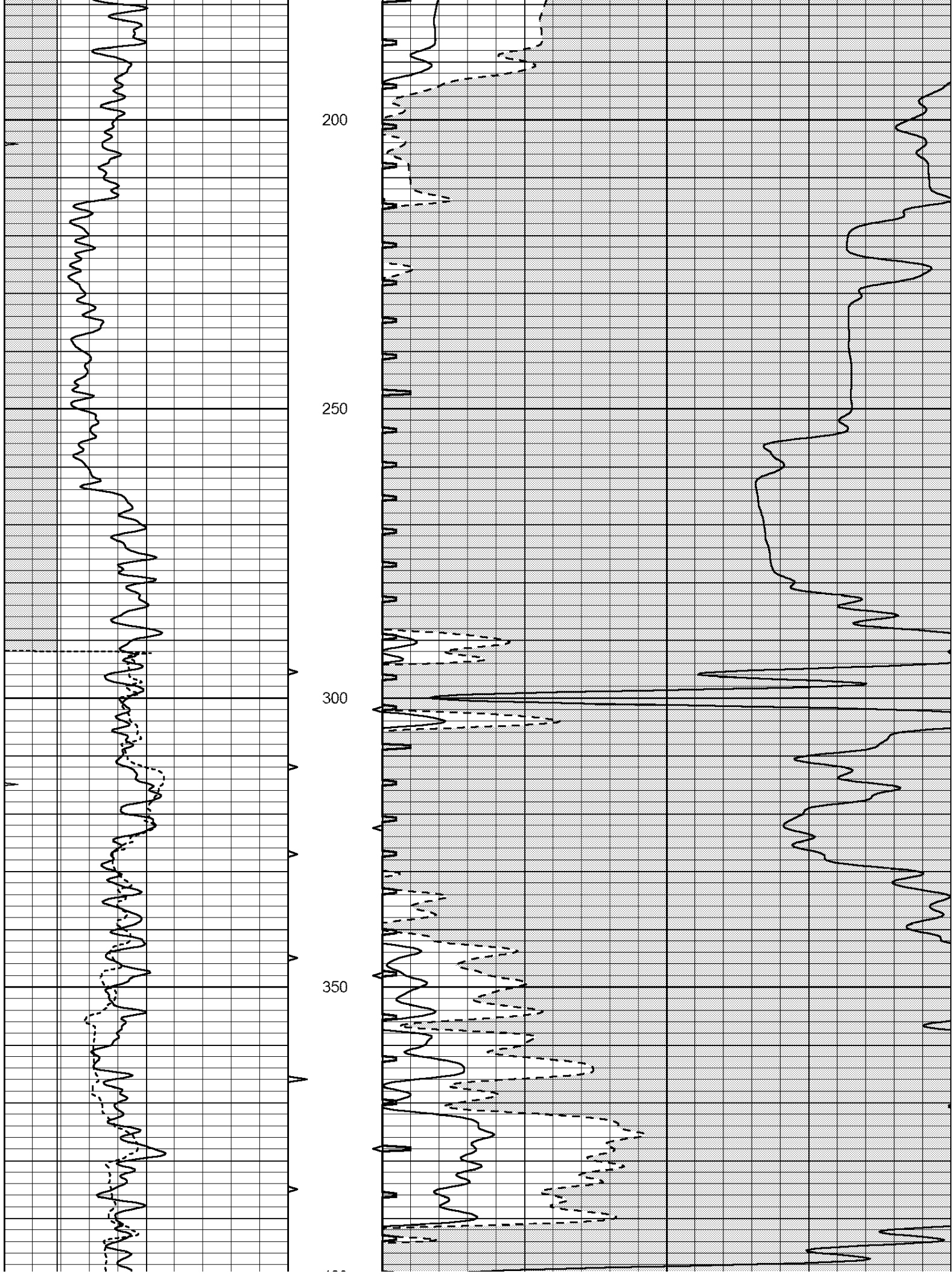


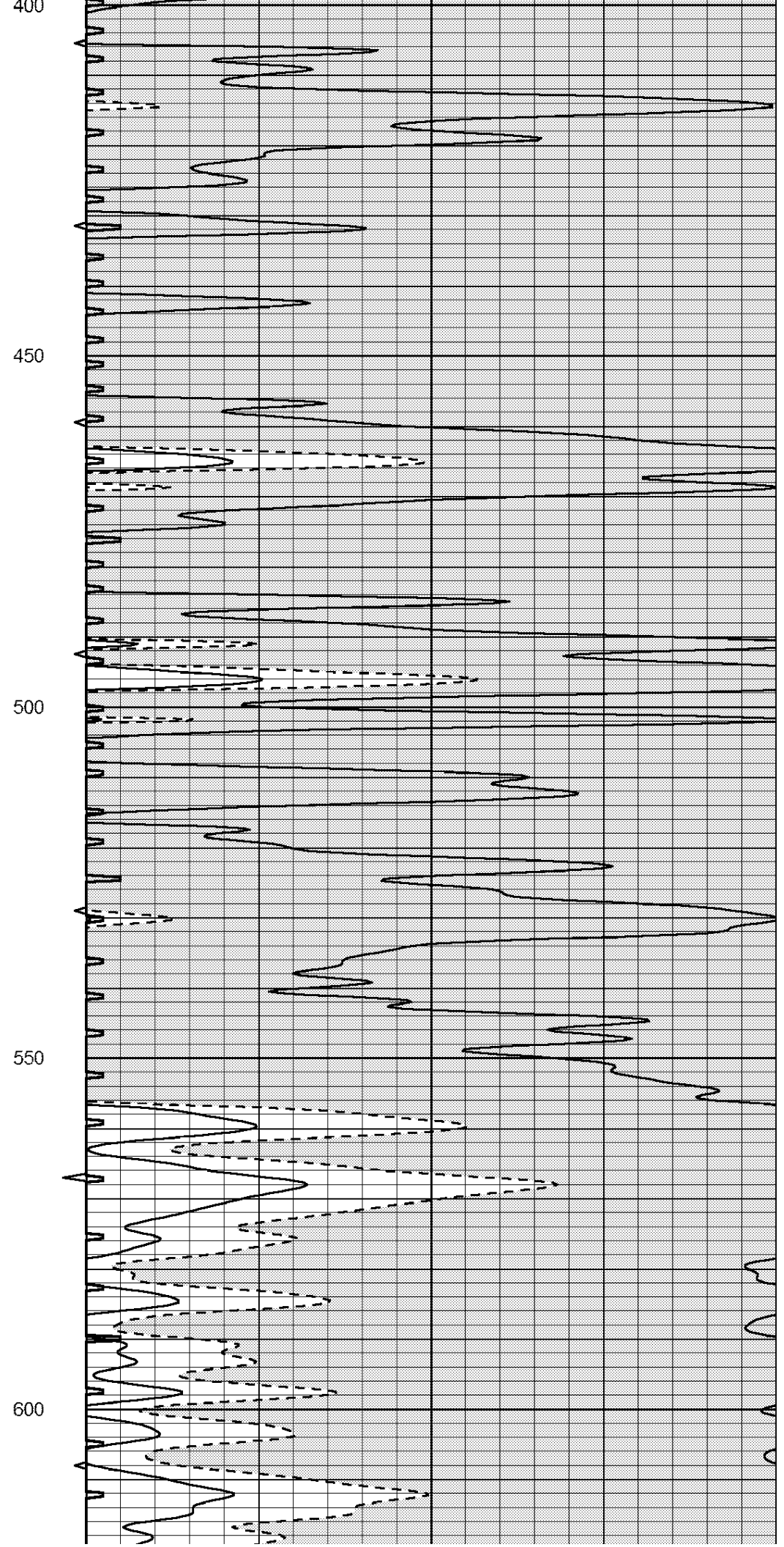
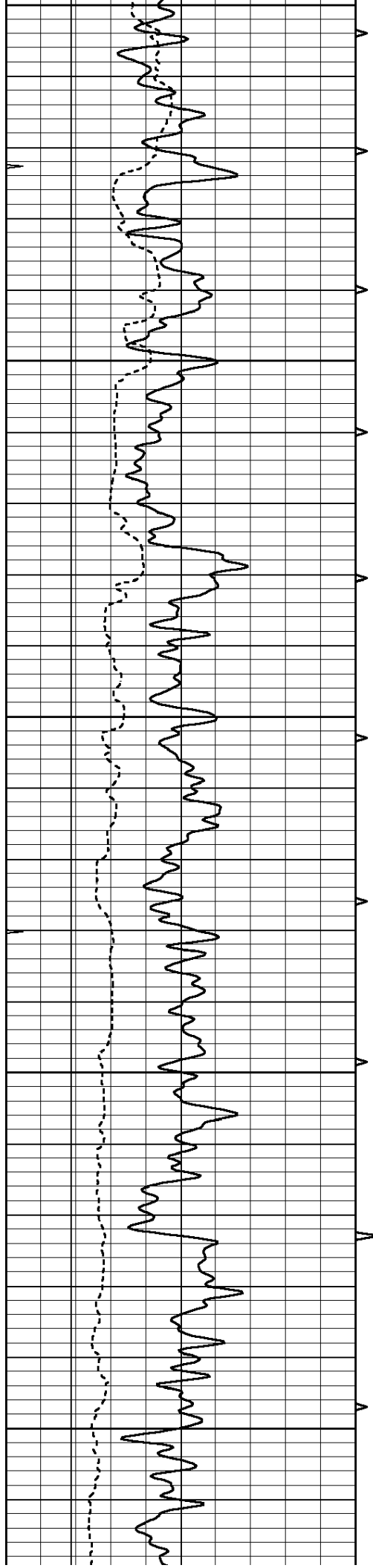
MAIN PASS

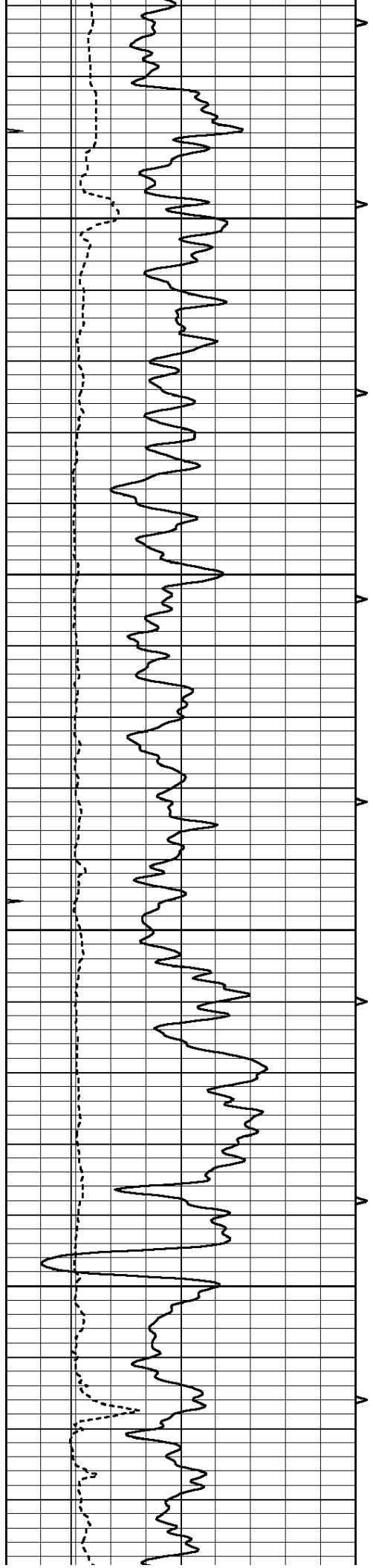
Database File: 3692pe.db  
 Dataset Pathname: pass5SON  
 Presentation Format: \_slt  
 Dataset Creation: Fri Jun 21 11:23:26 2019  
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40
6	CALIPER (in)	16	10 (ft3) 0	30	SONIC POROSITY (pu)	-10
0	MINMK	20	TBHV	0	ITT (msec)	20
			0 (ft3) 10			







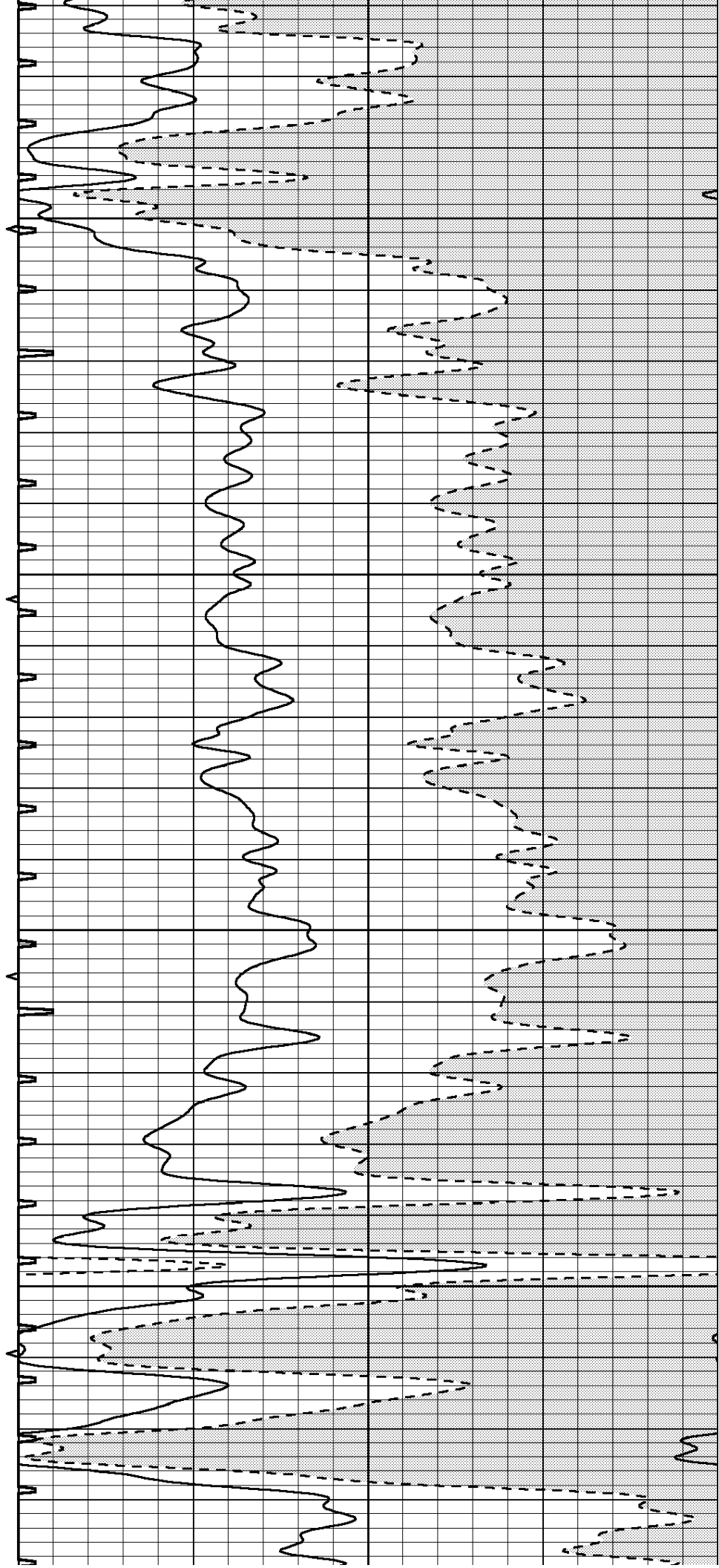


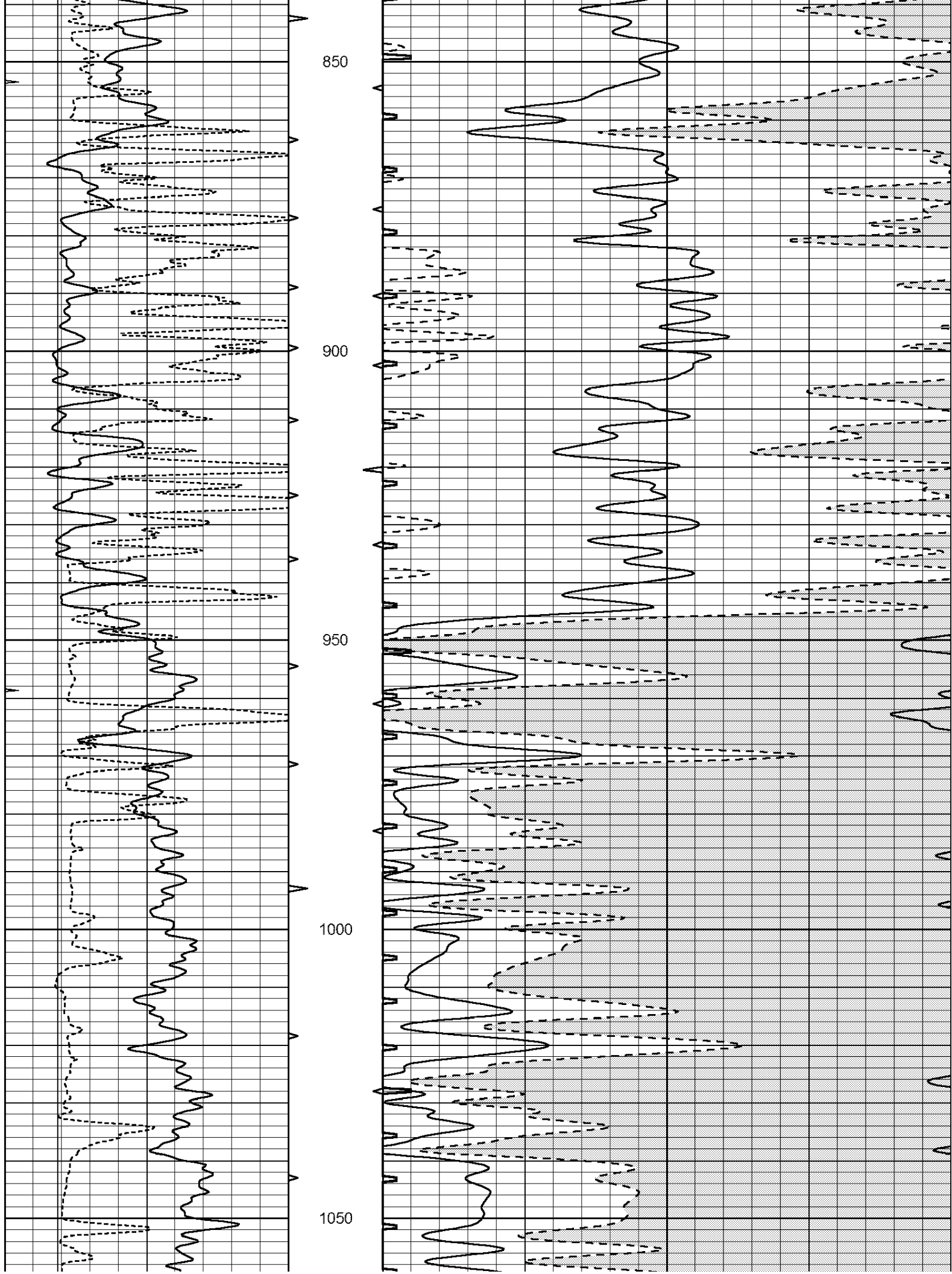
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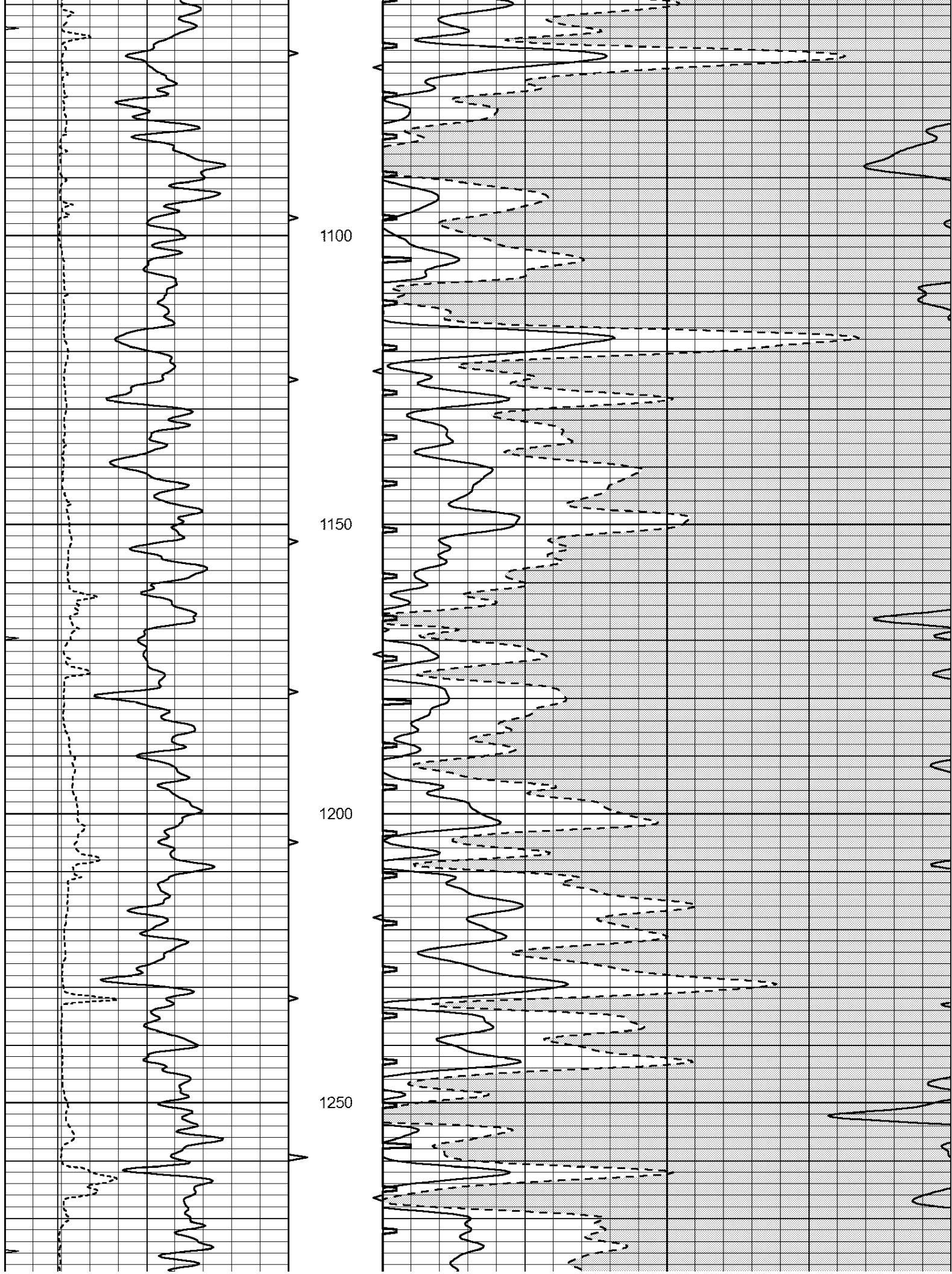
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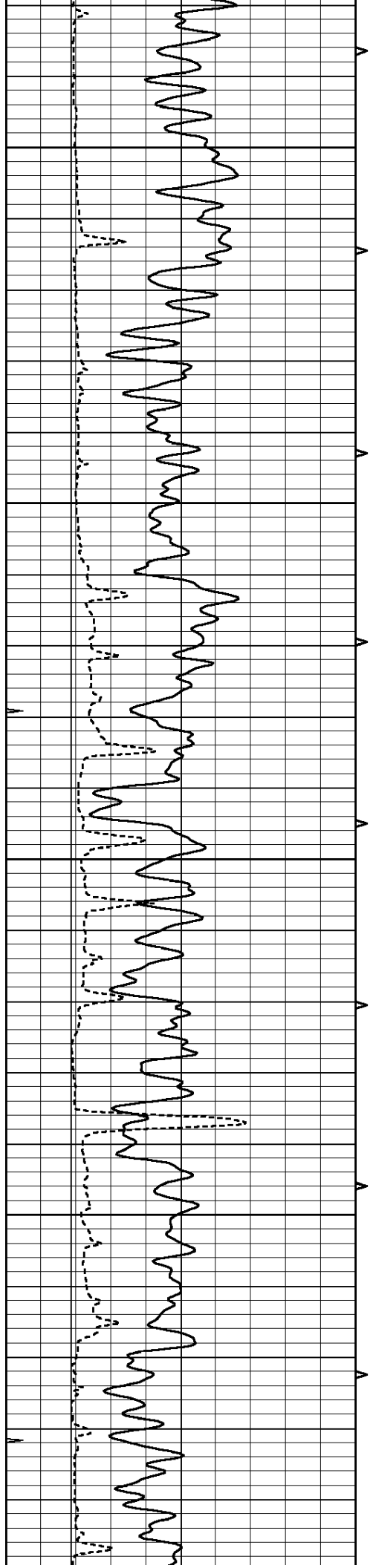
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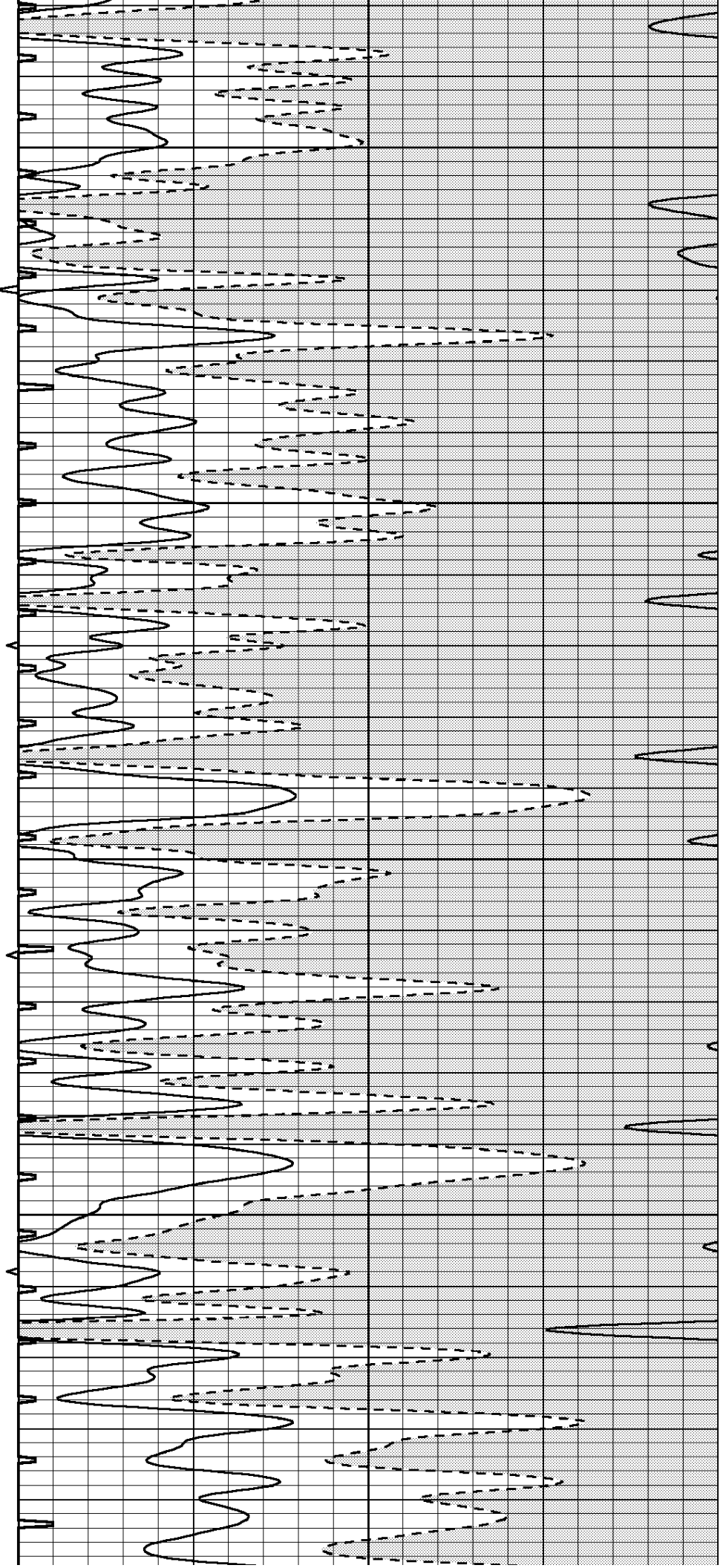


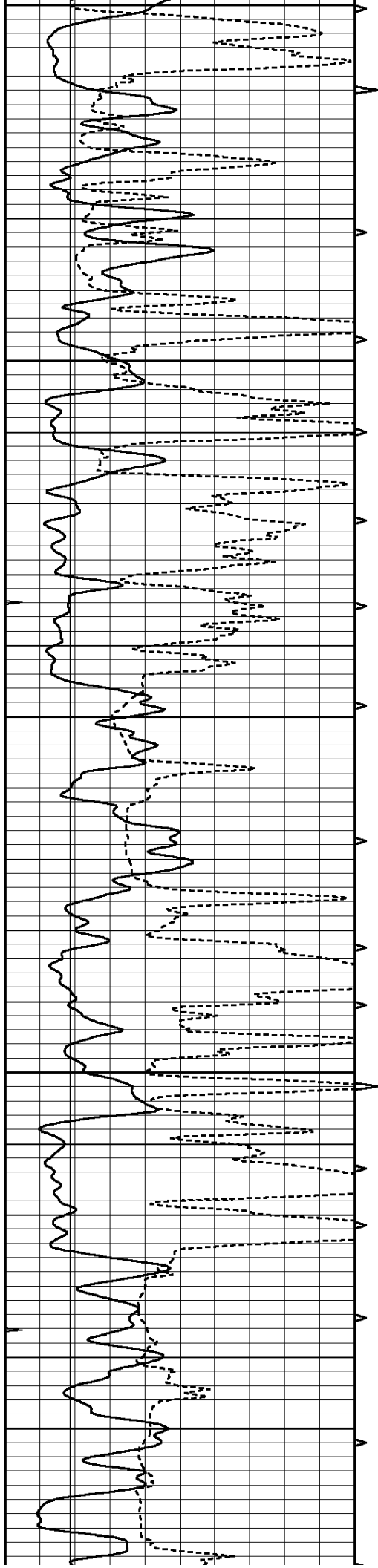
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1400

1450





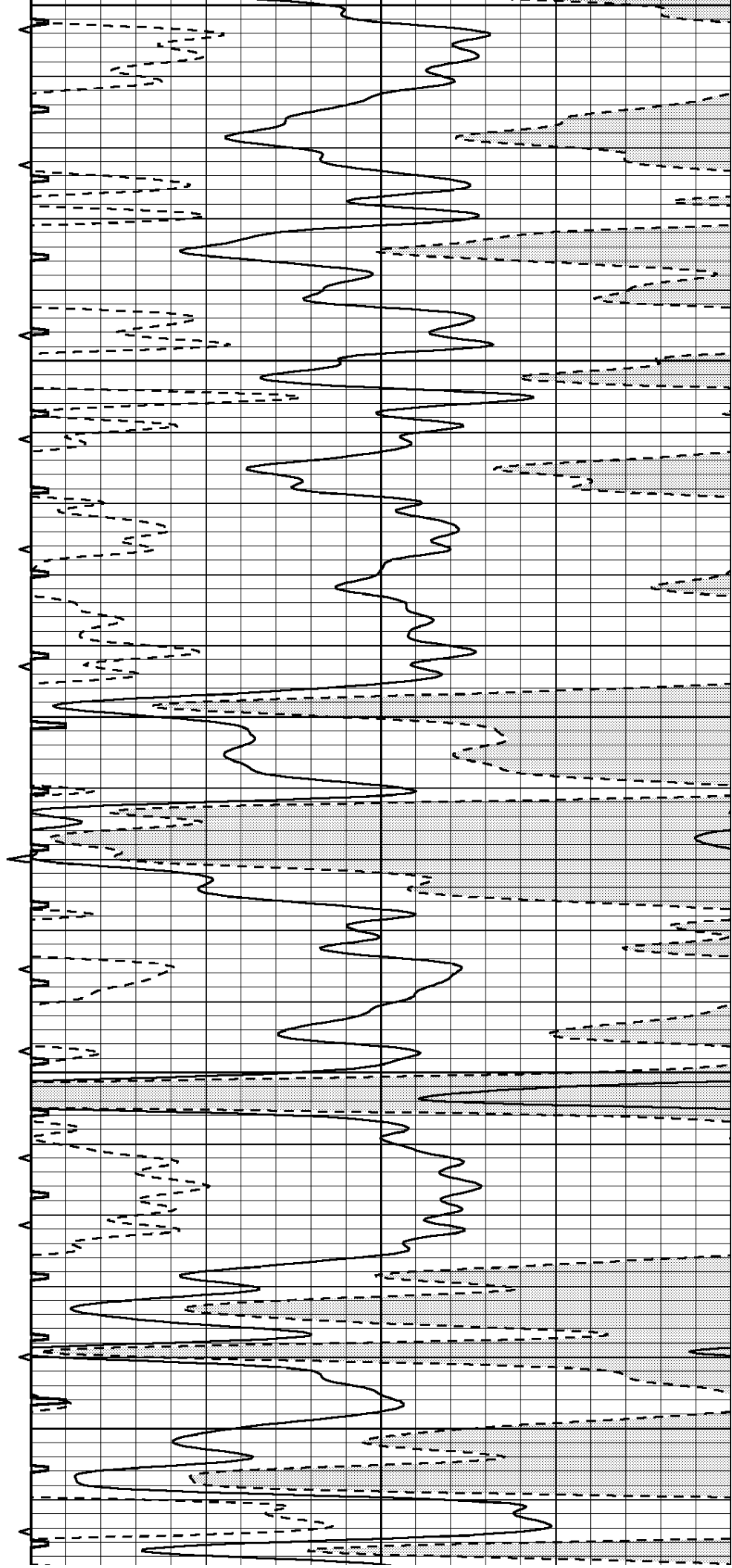
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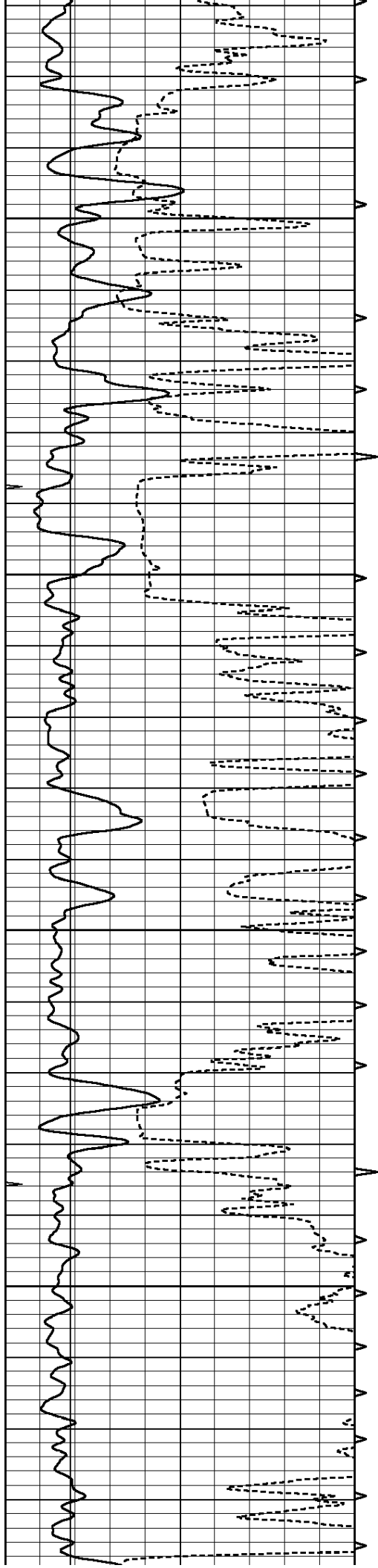
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1650

1700



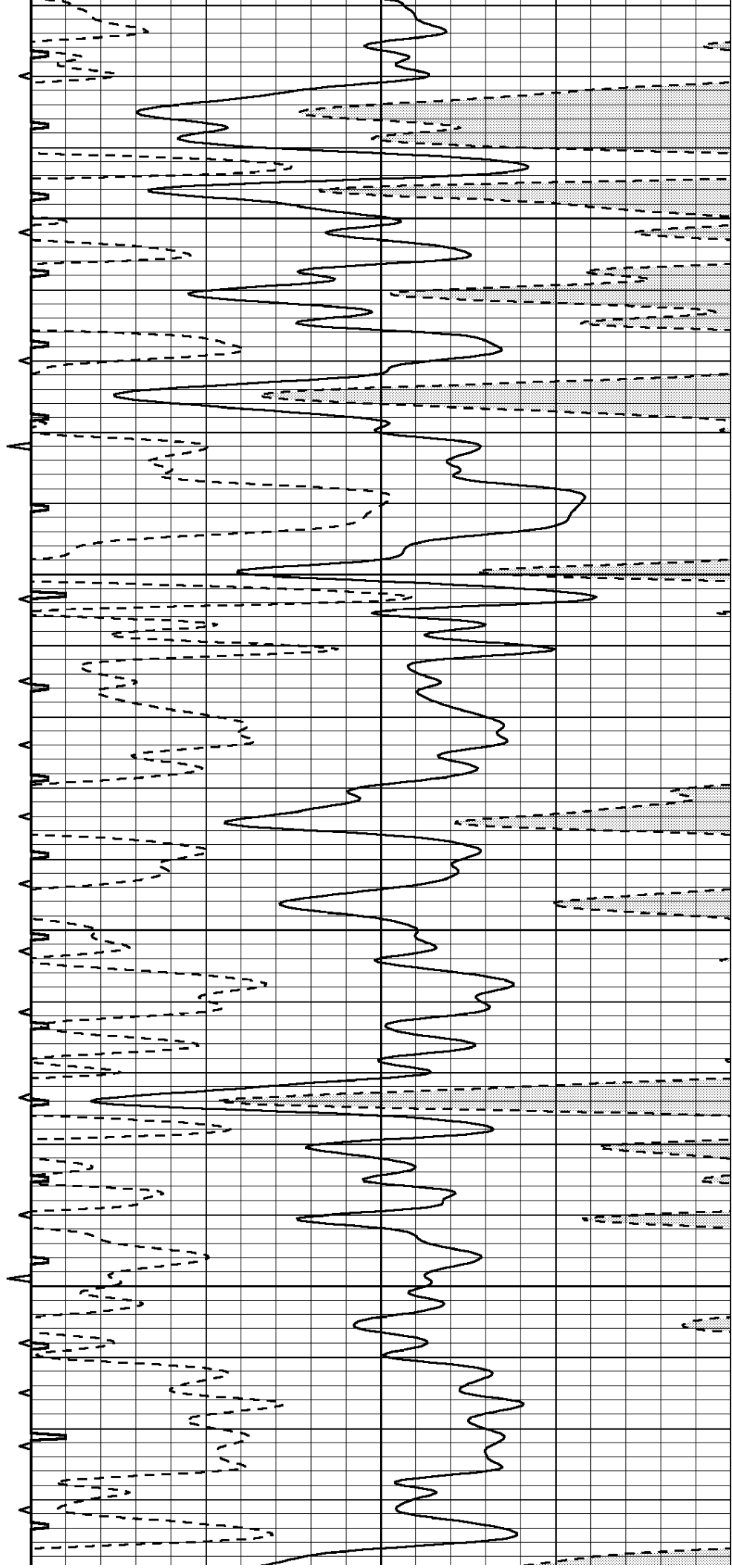


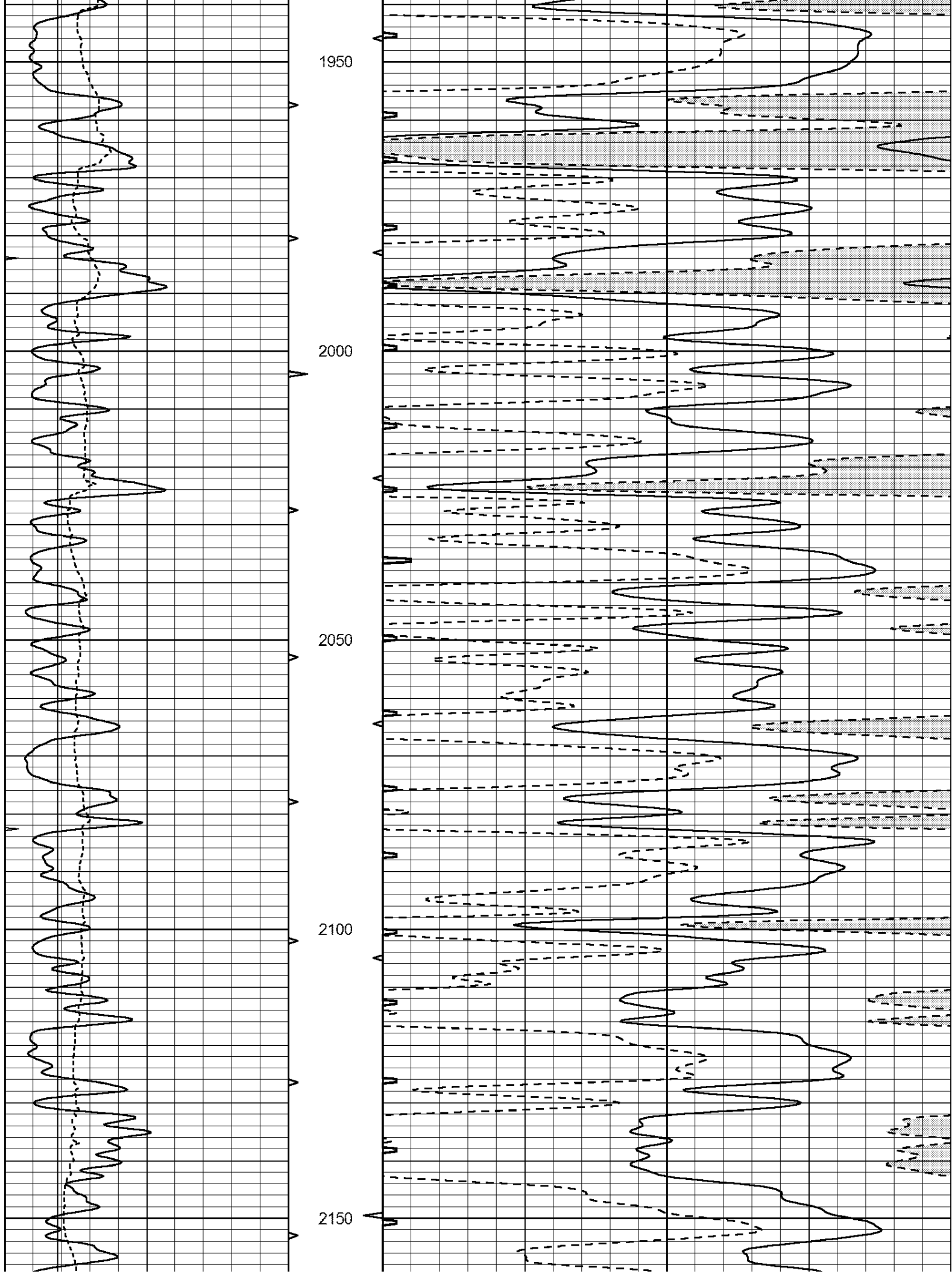
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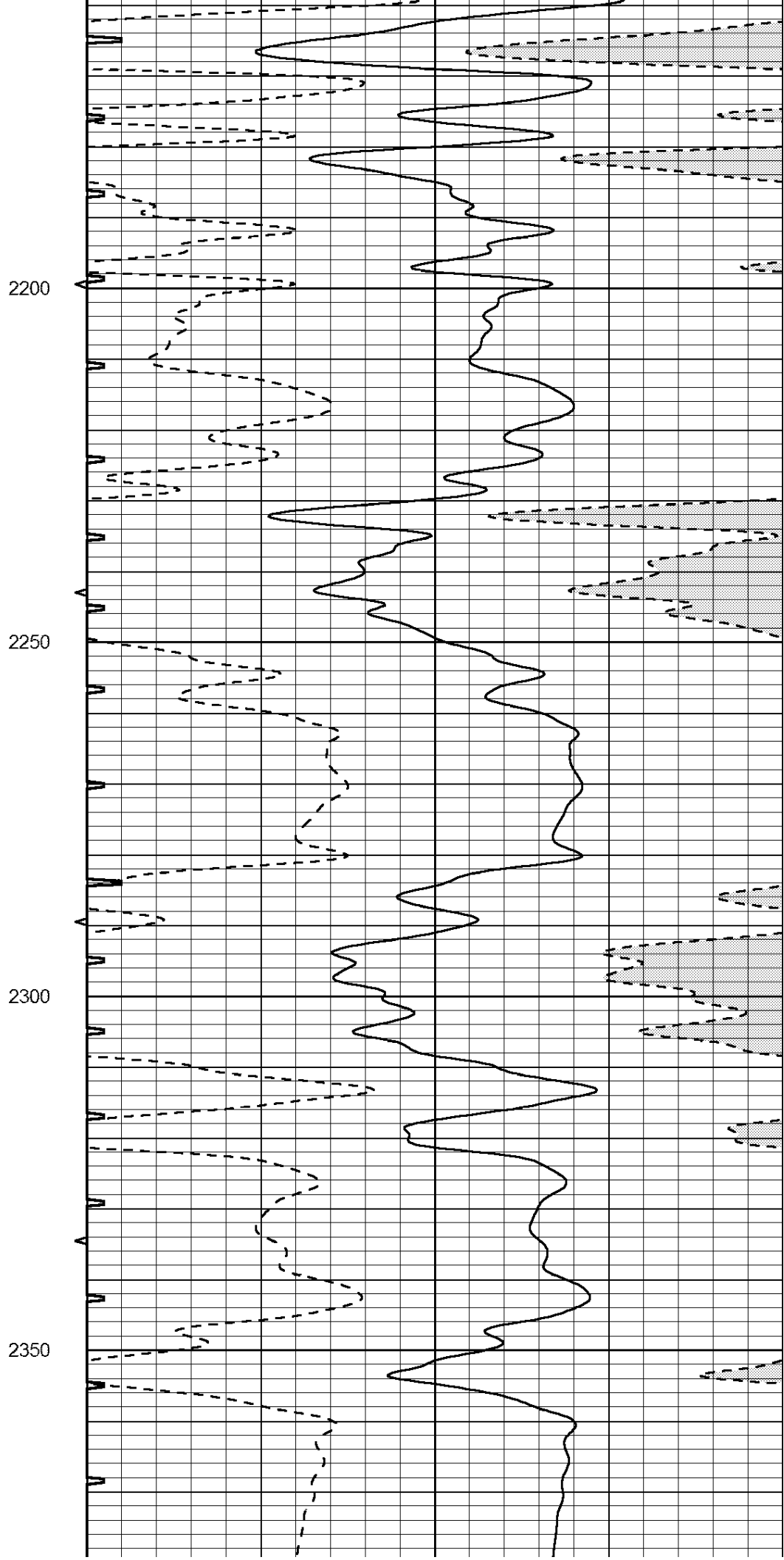
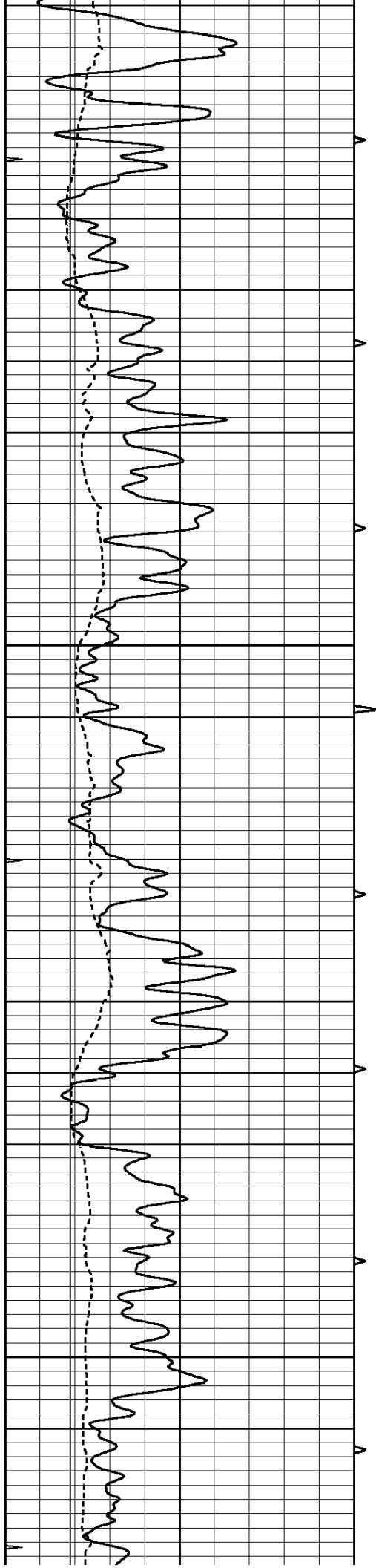
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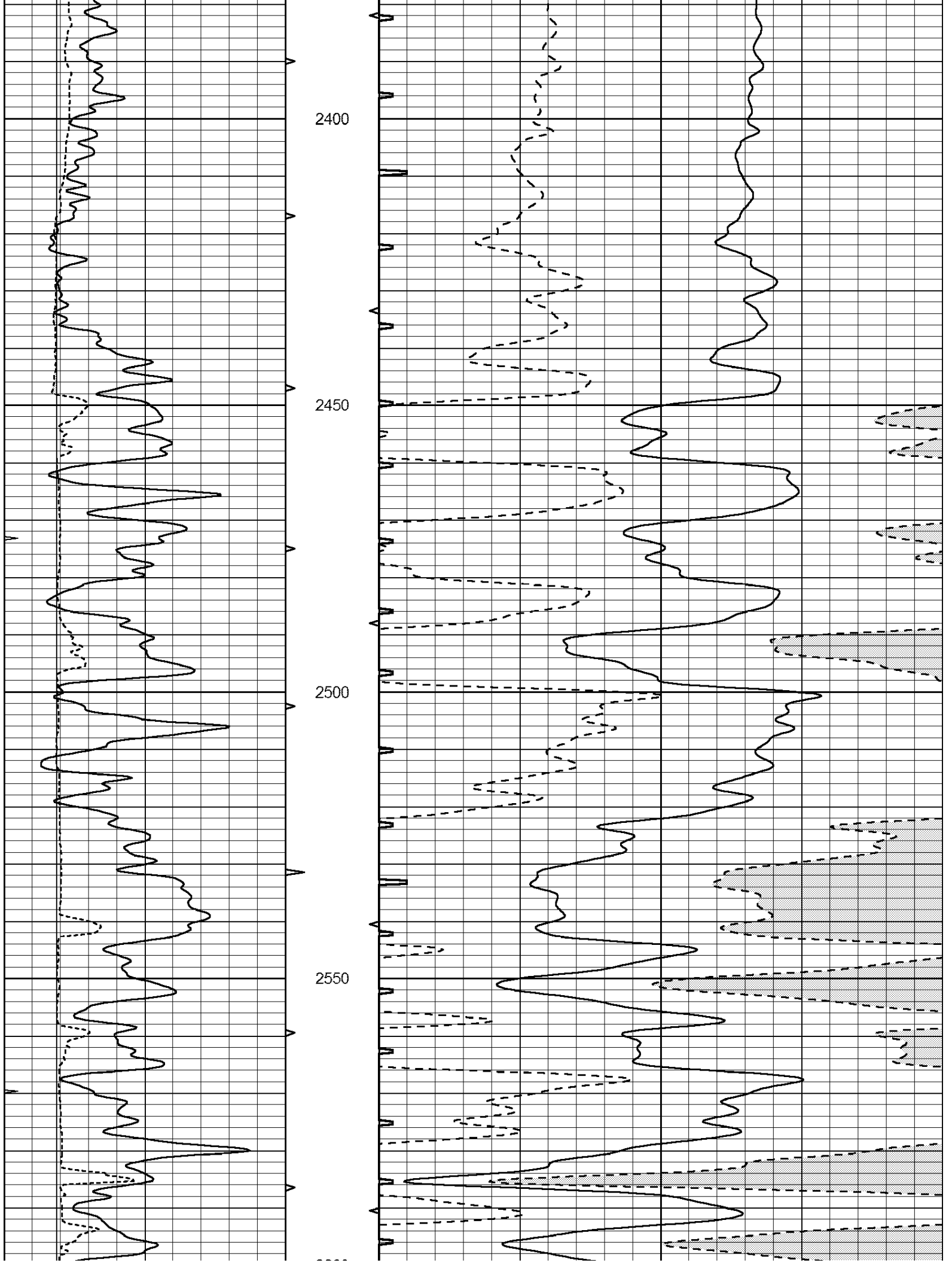
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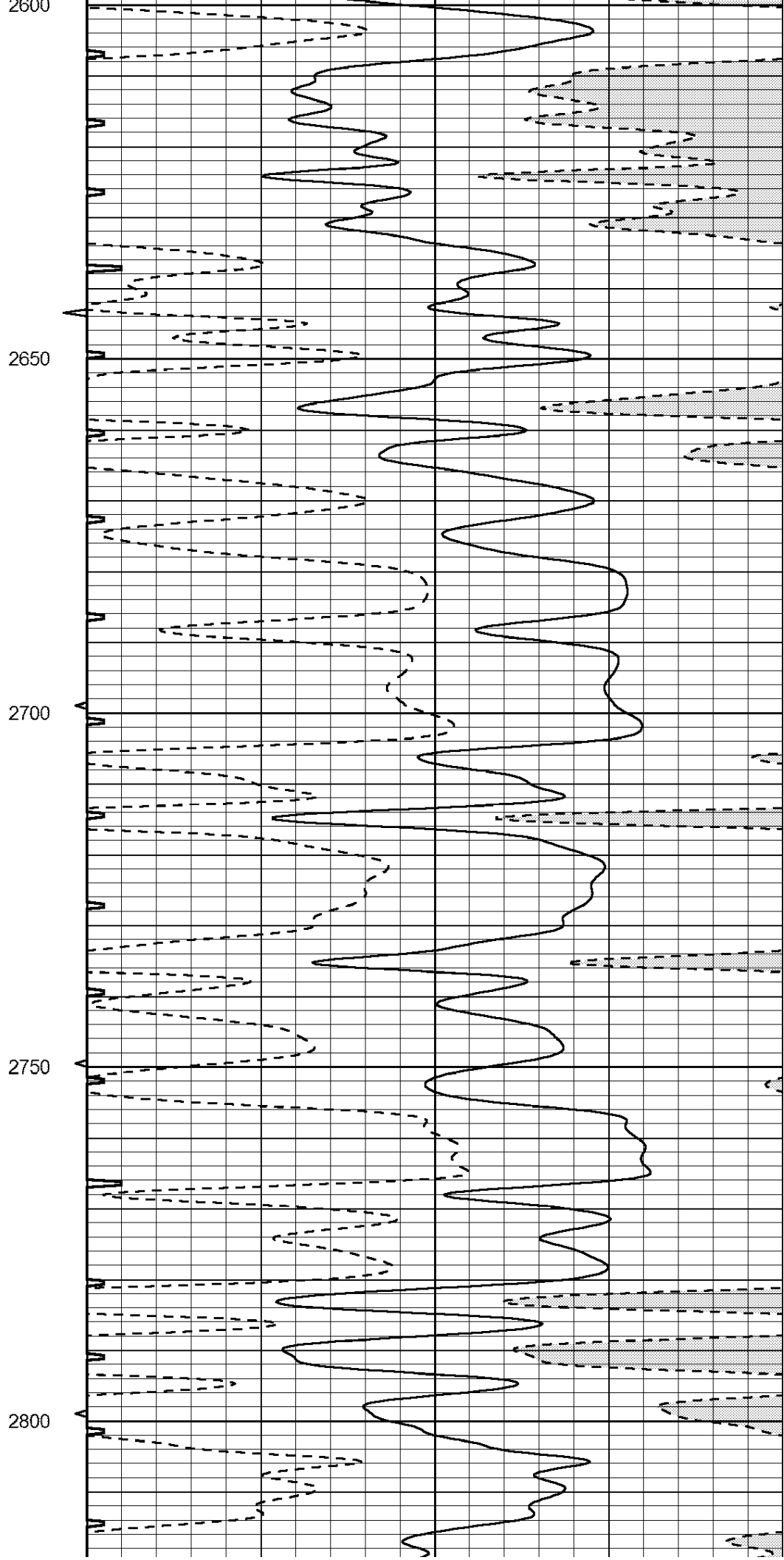
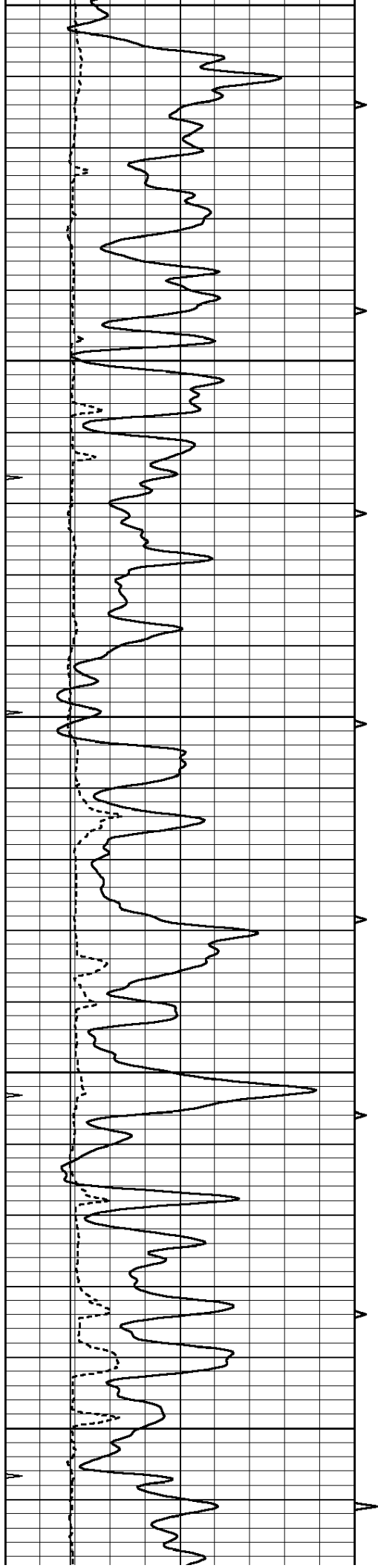
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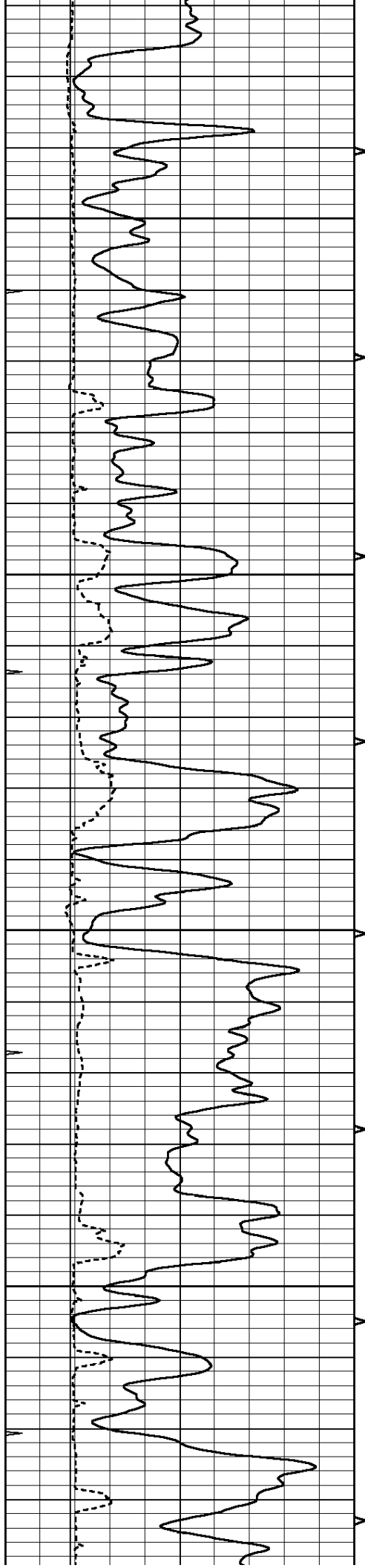










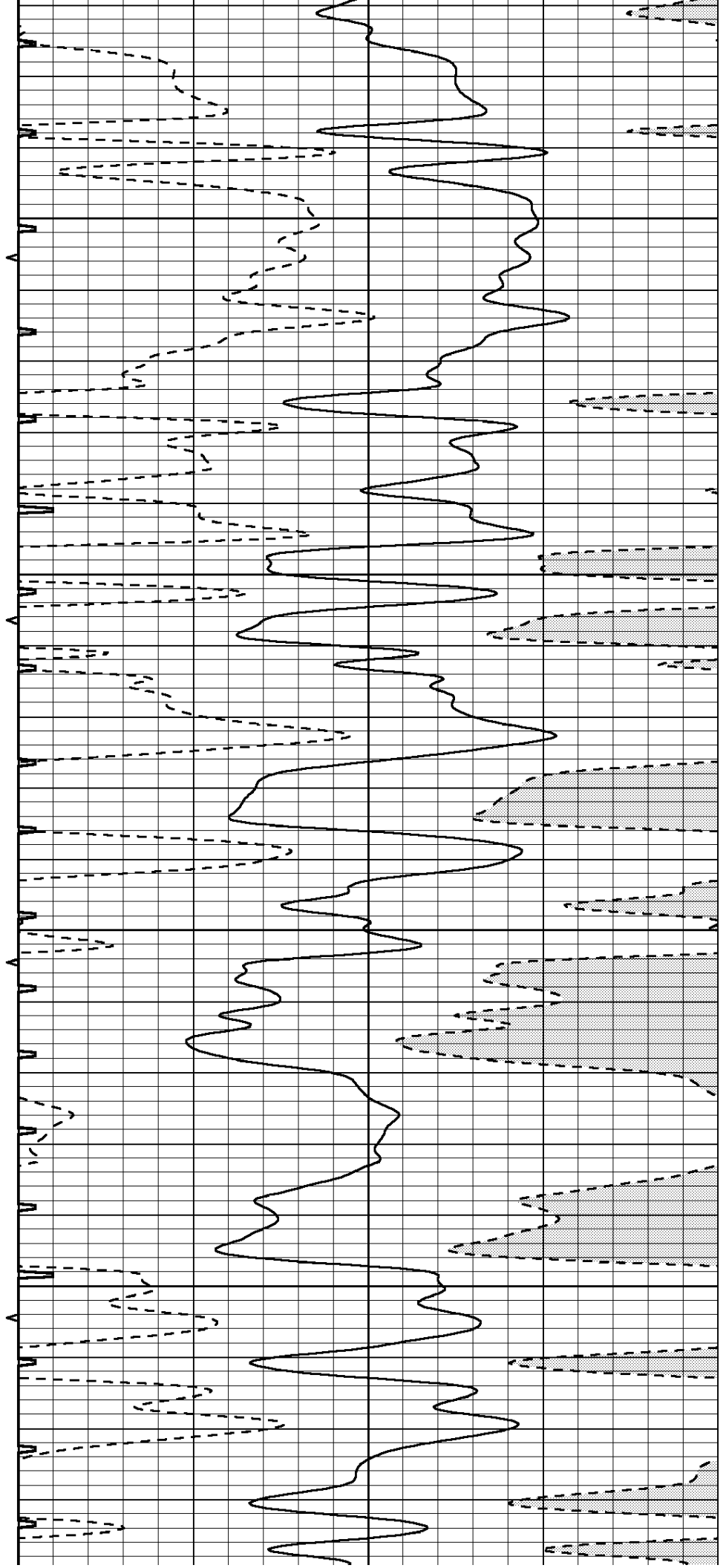


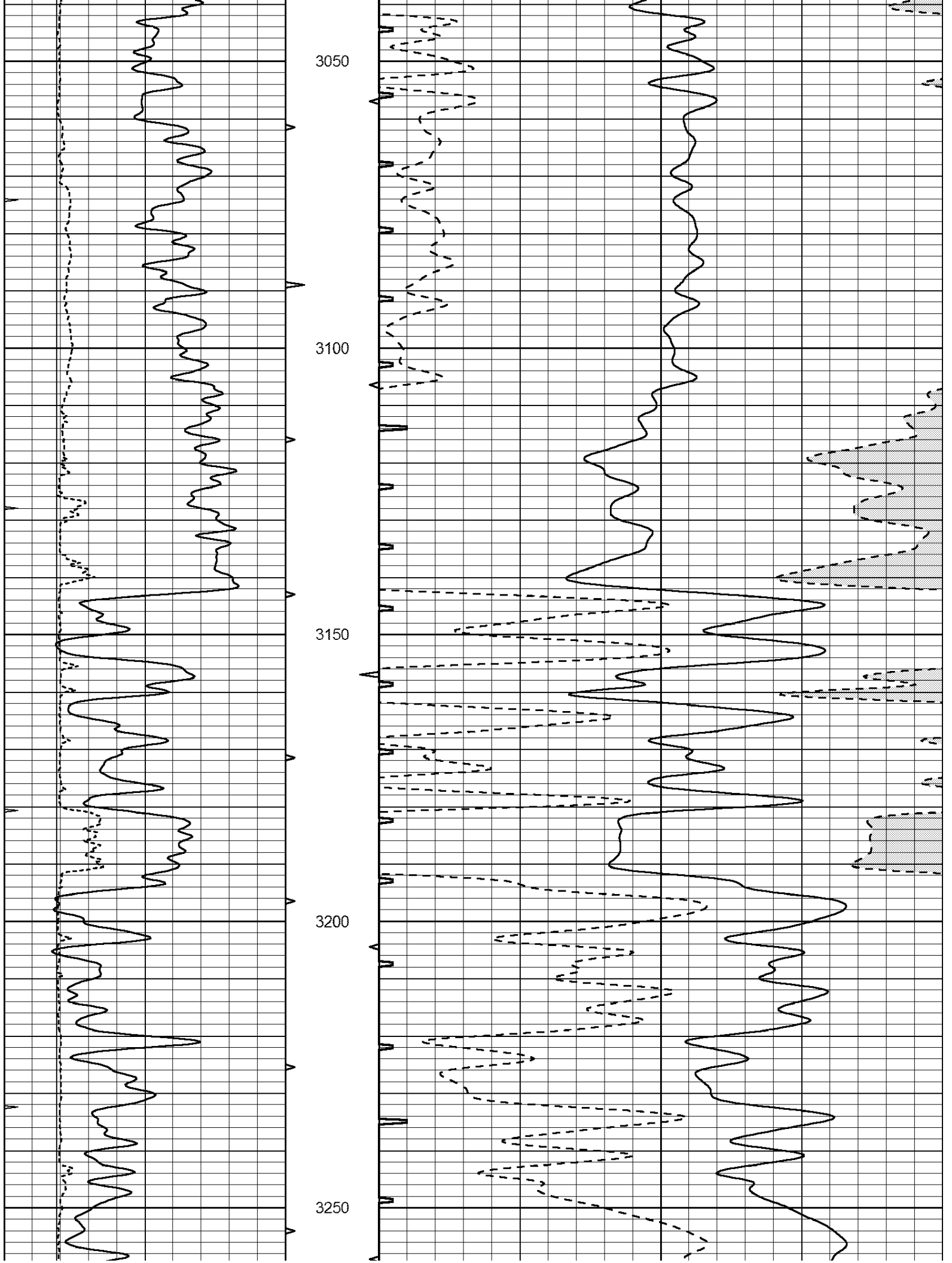
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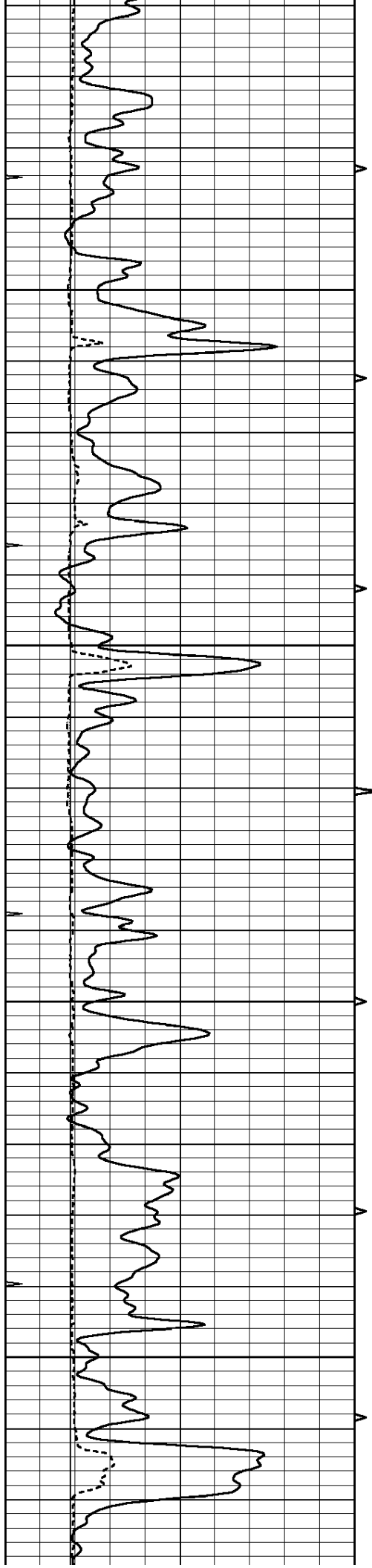
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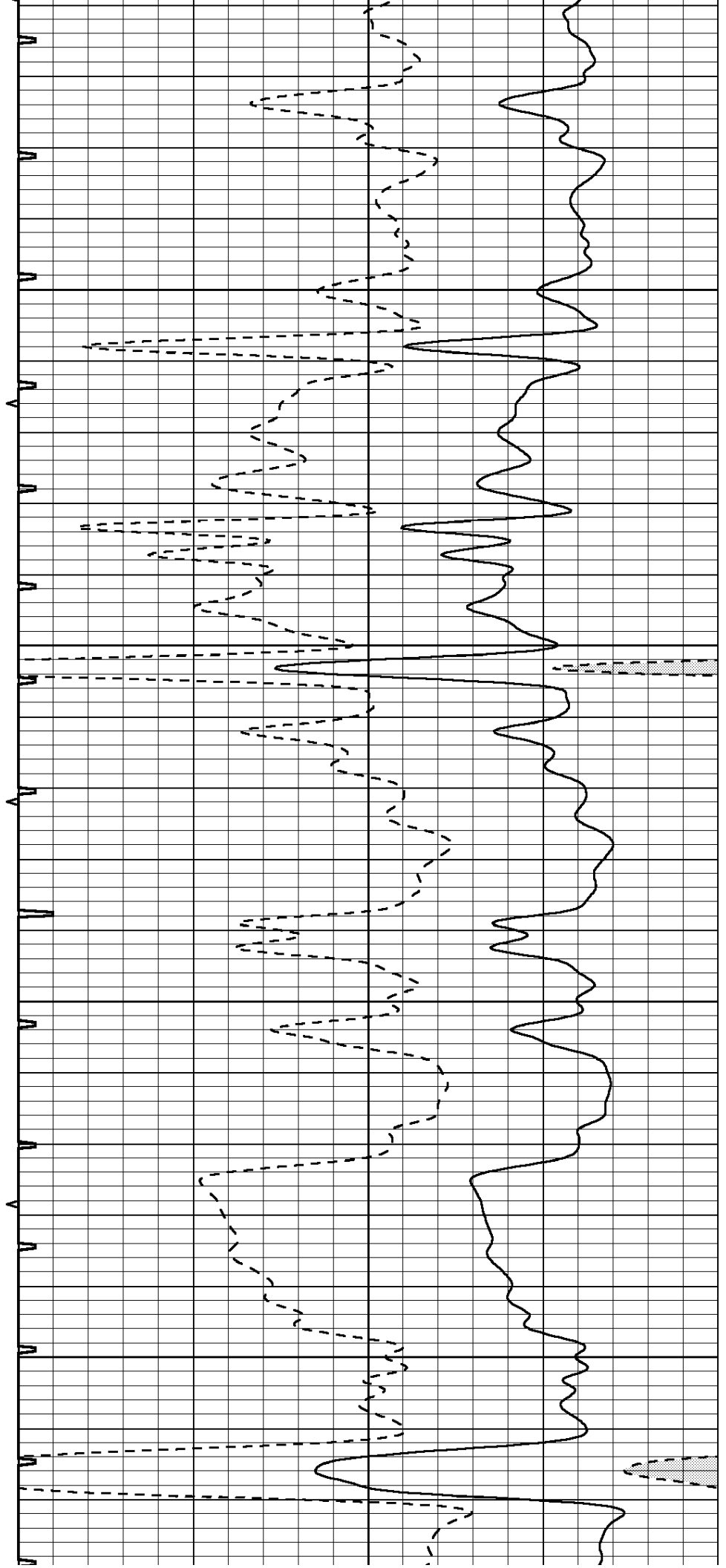


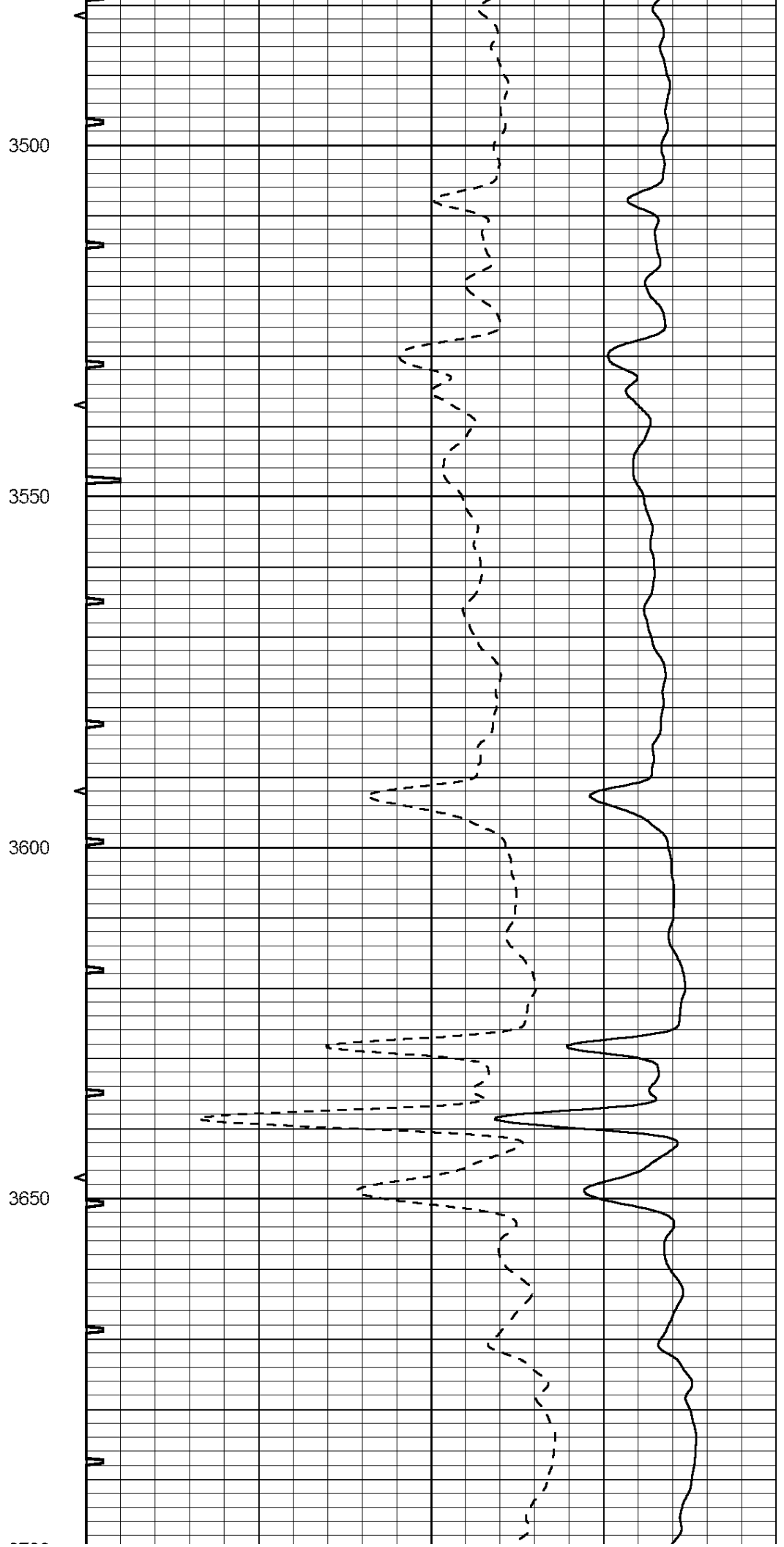
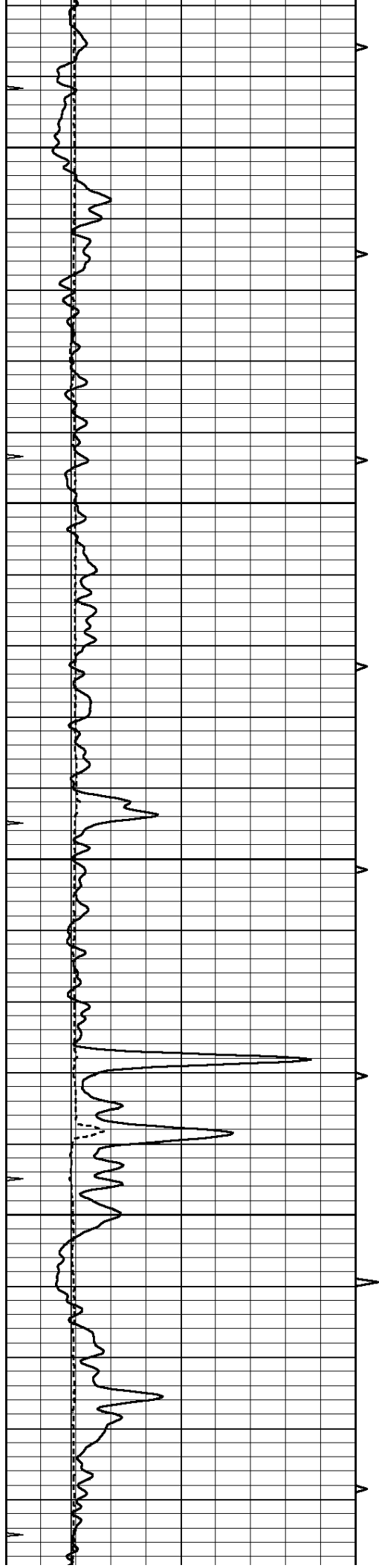
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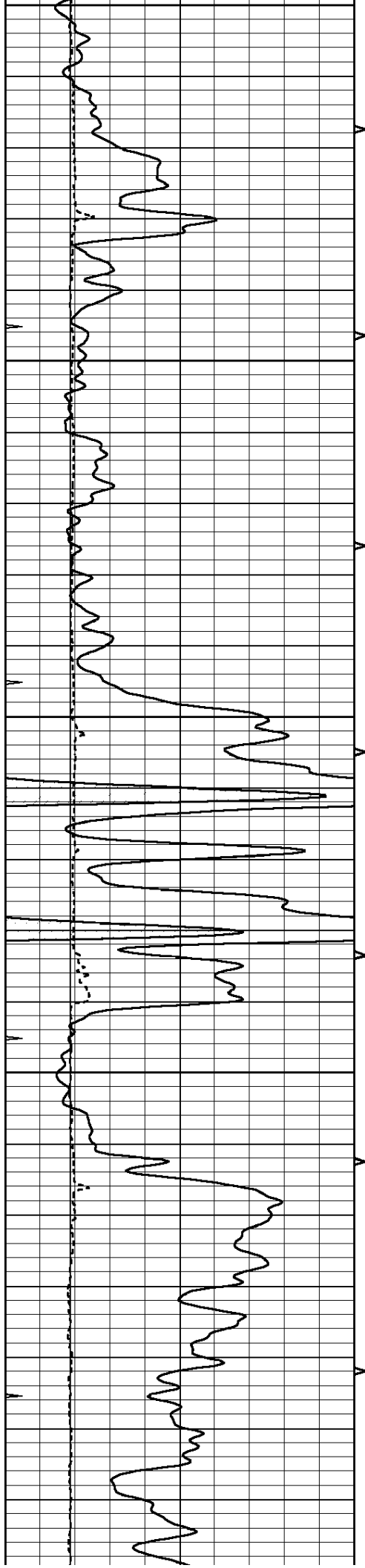
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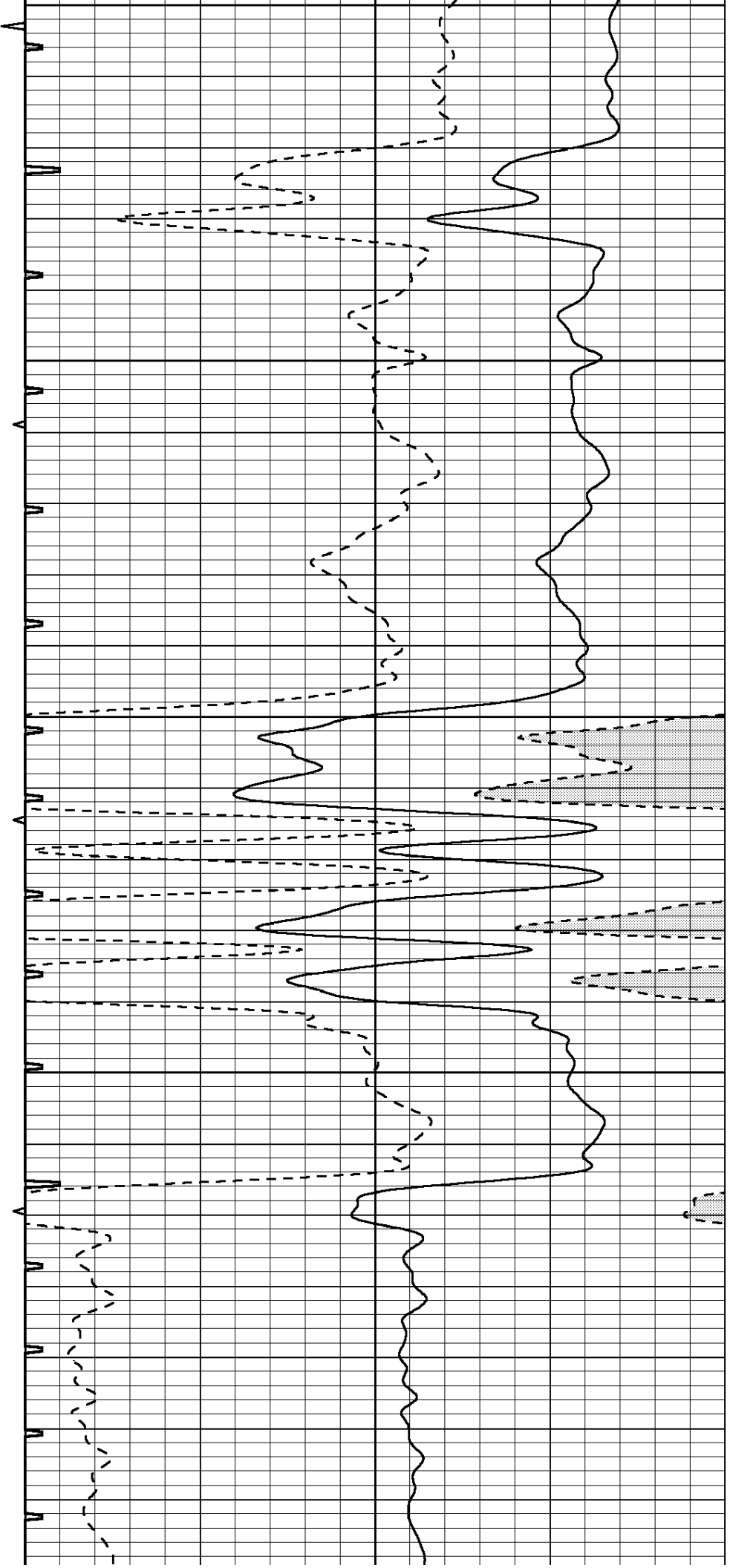
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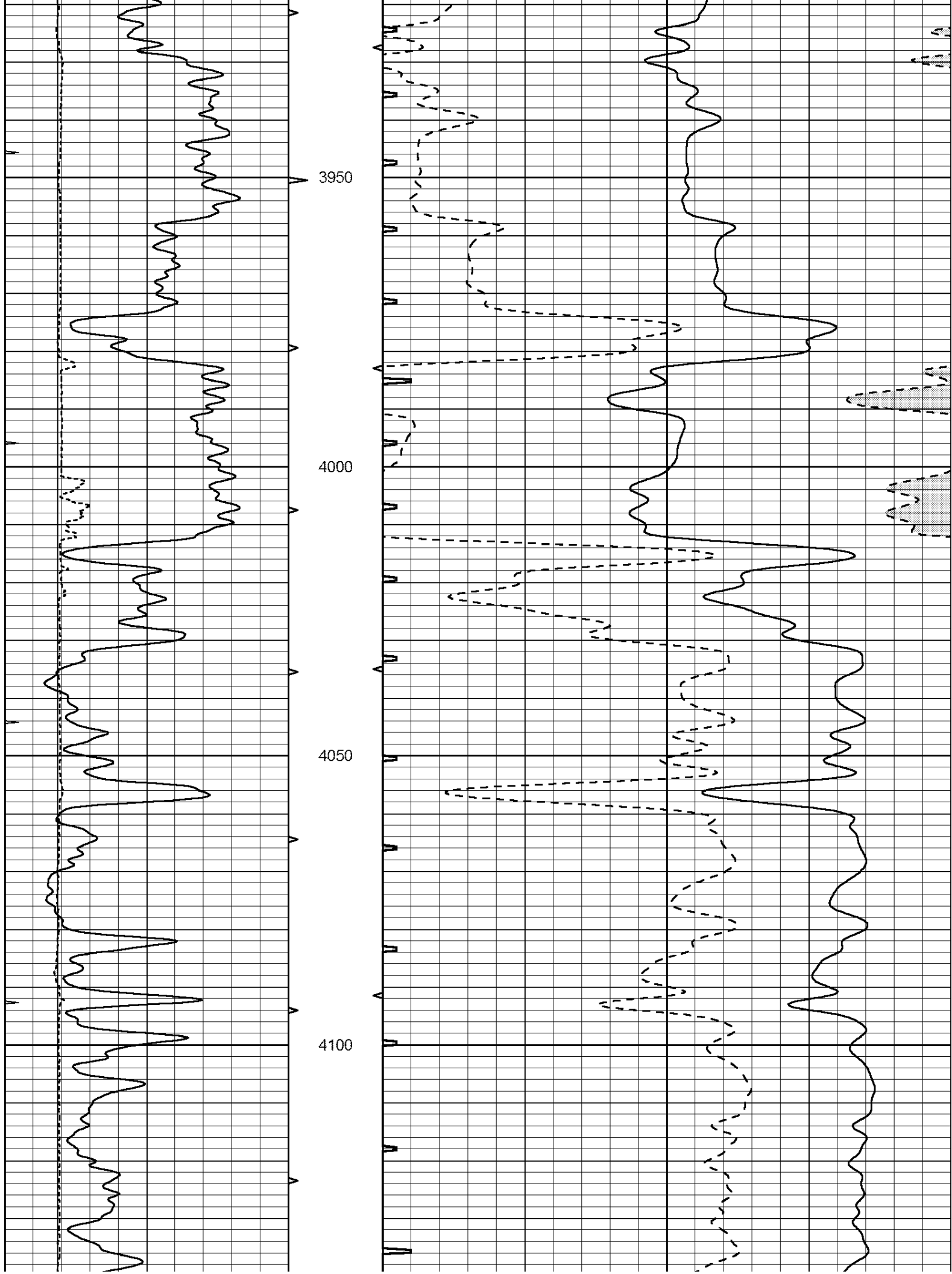


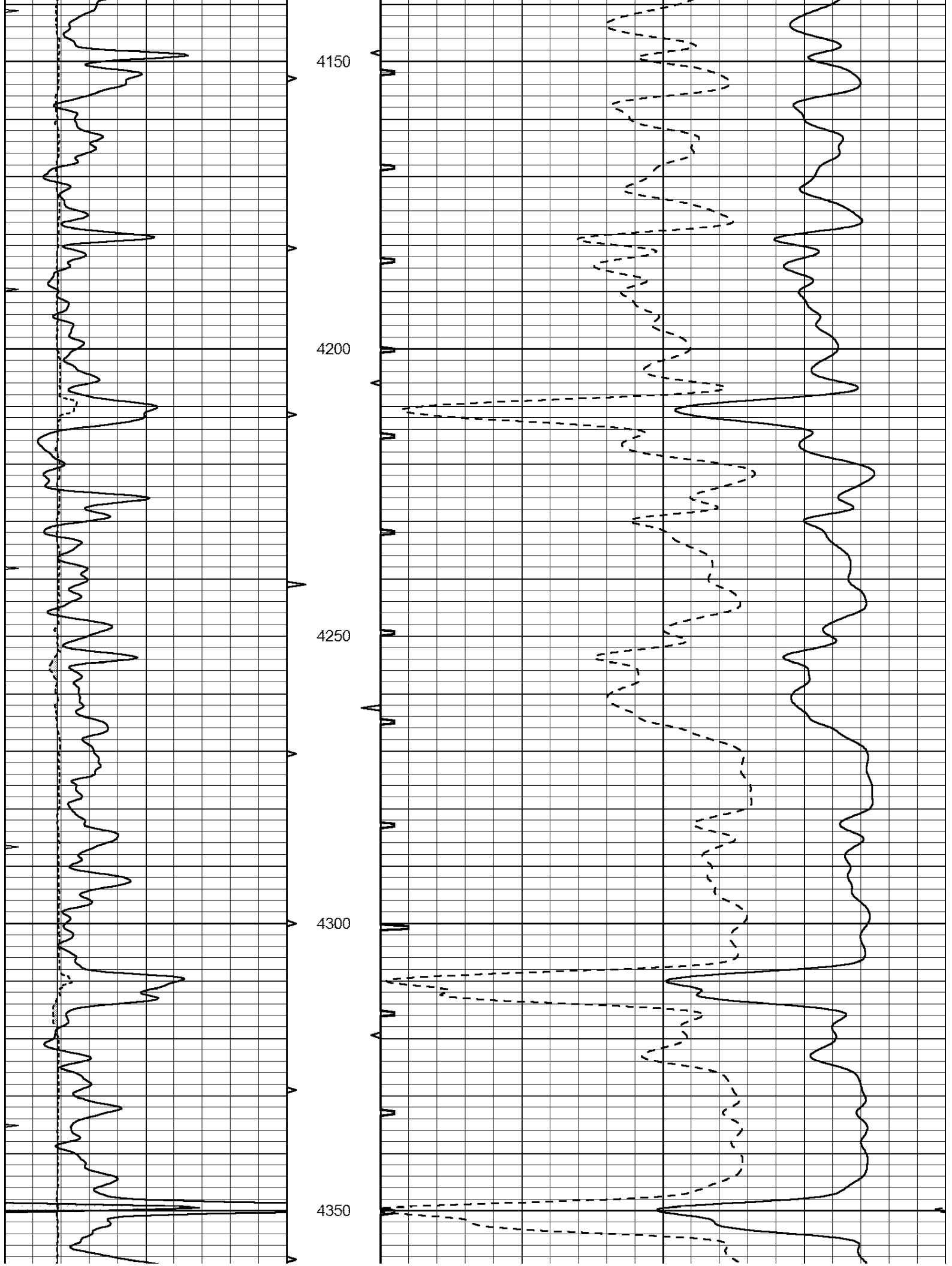


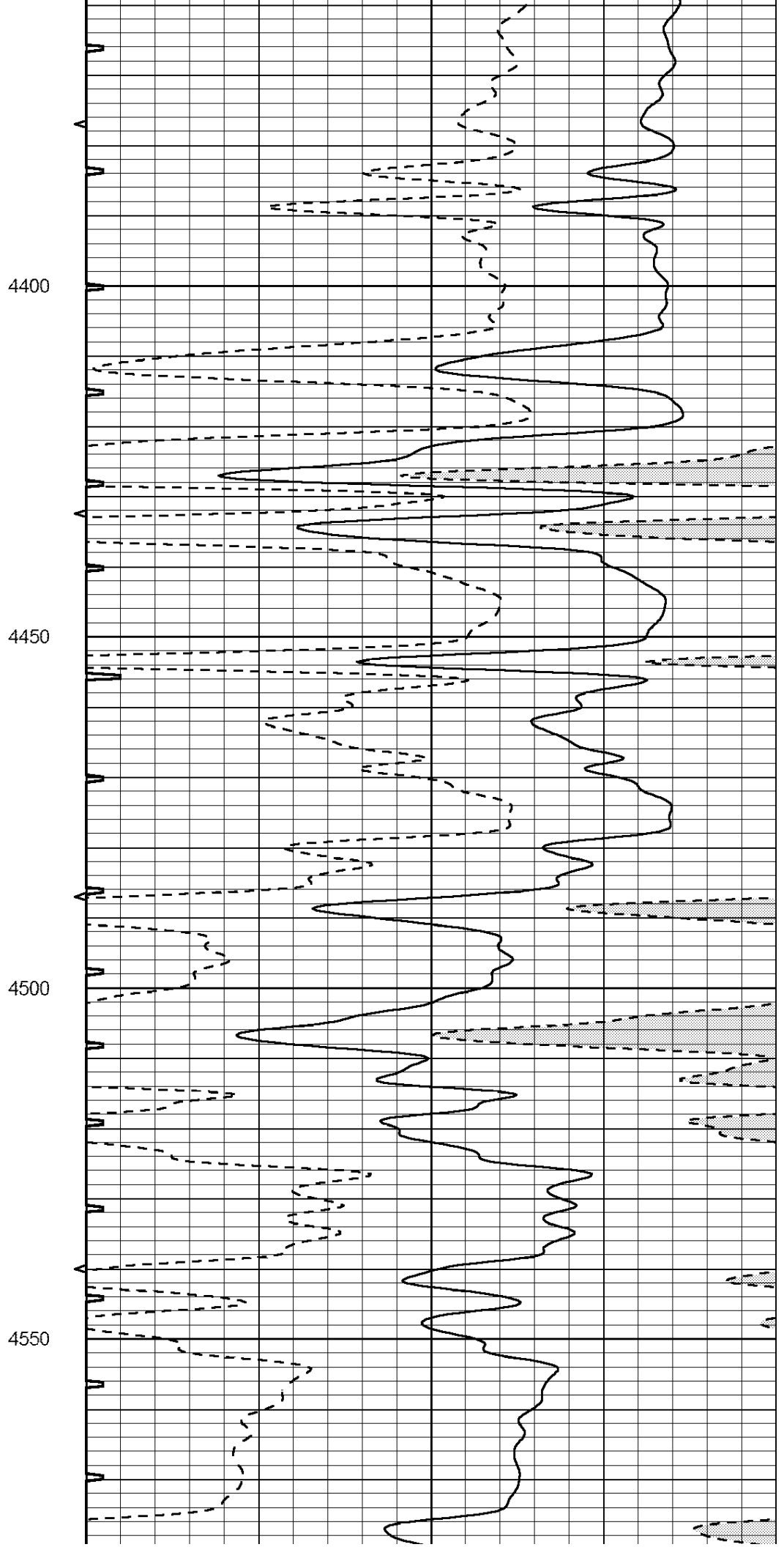
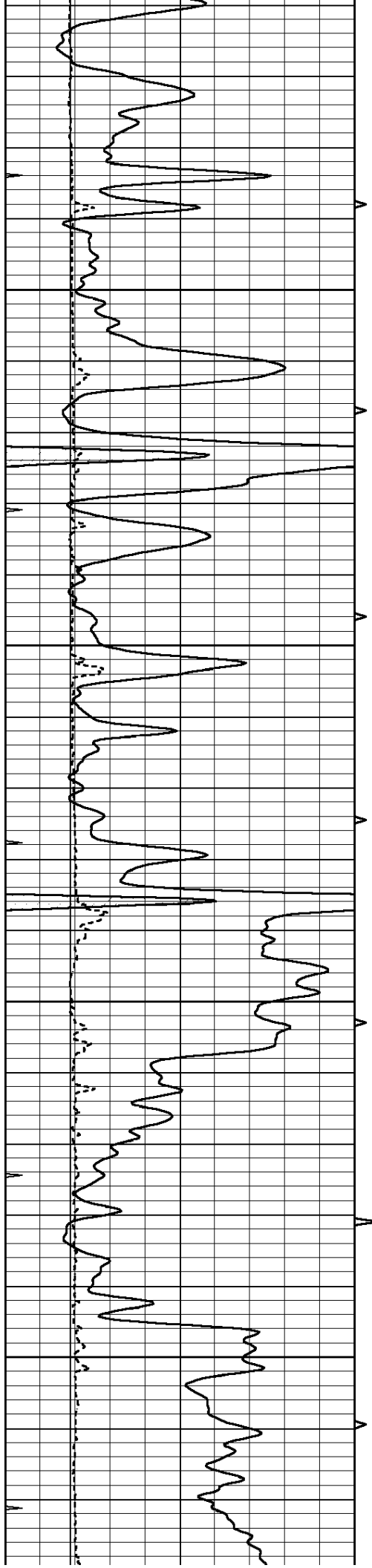


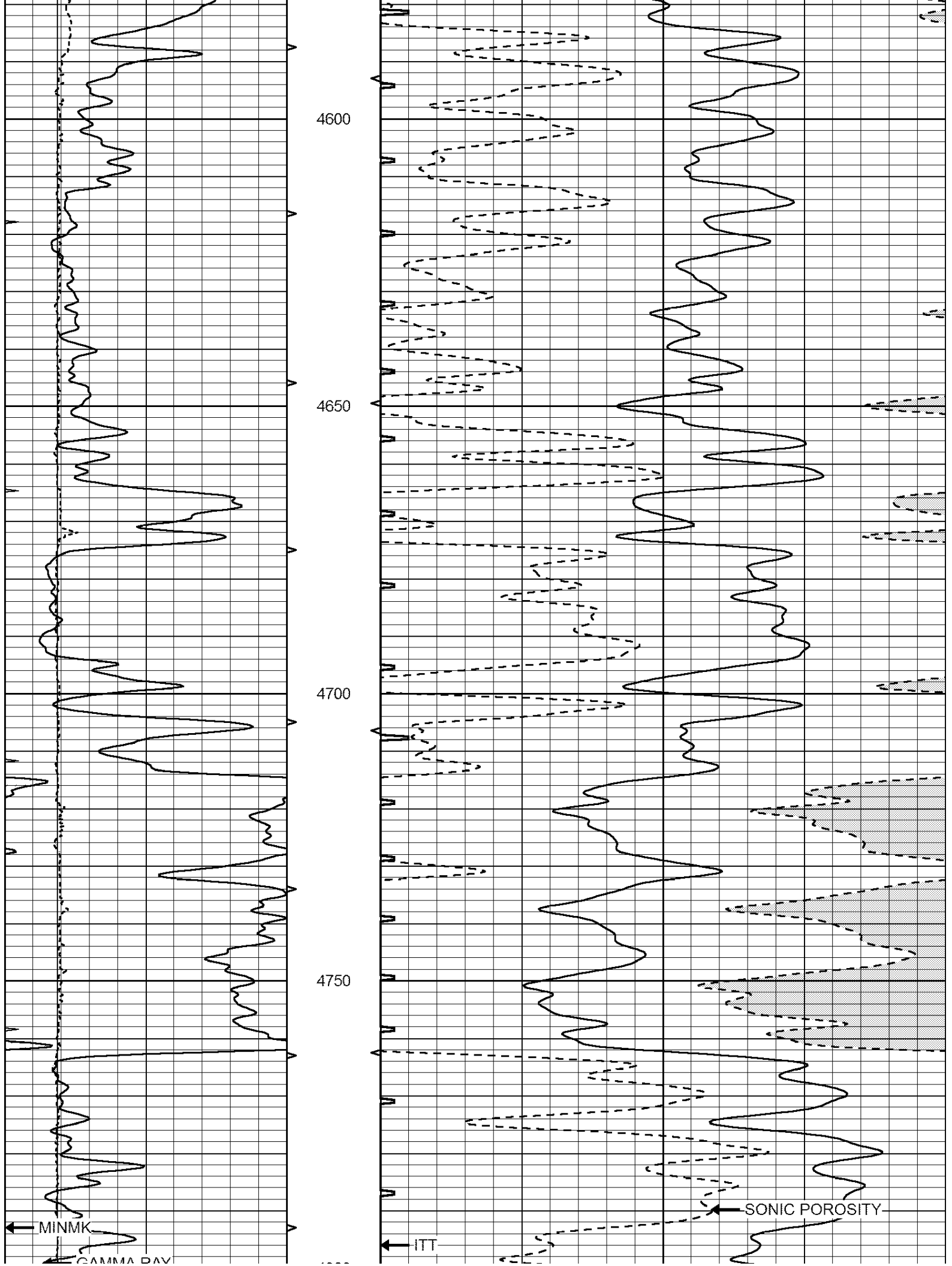
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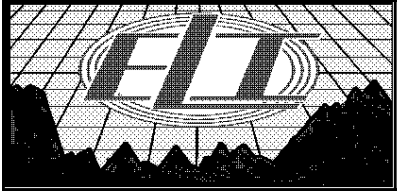
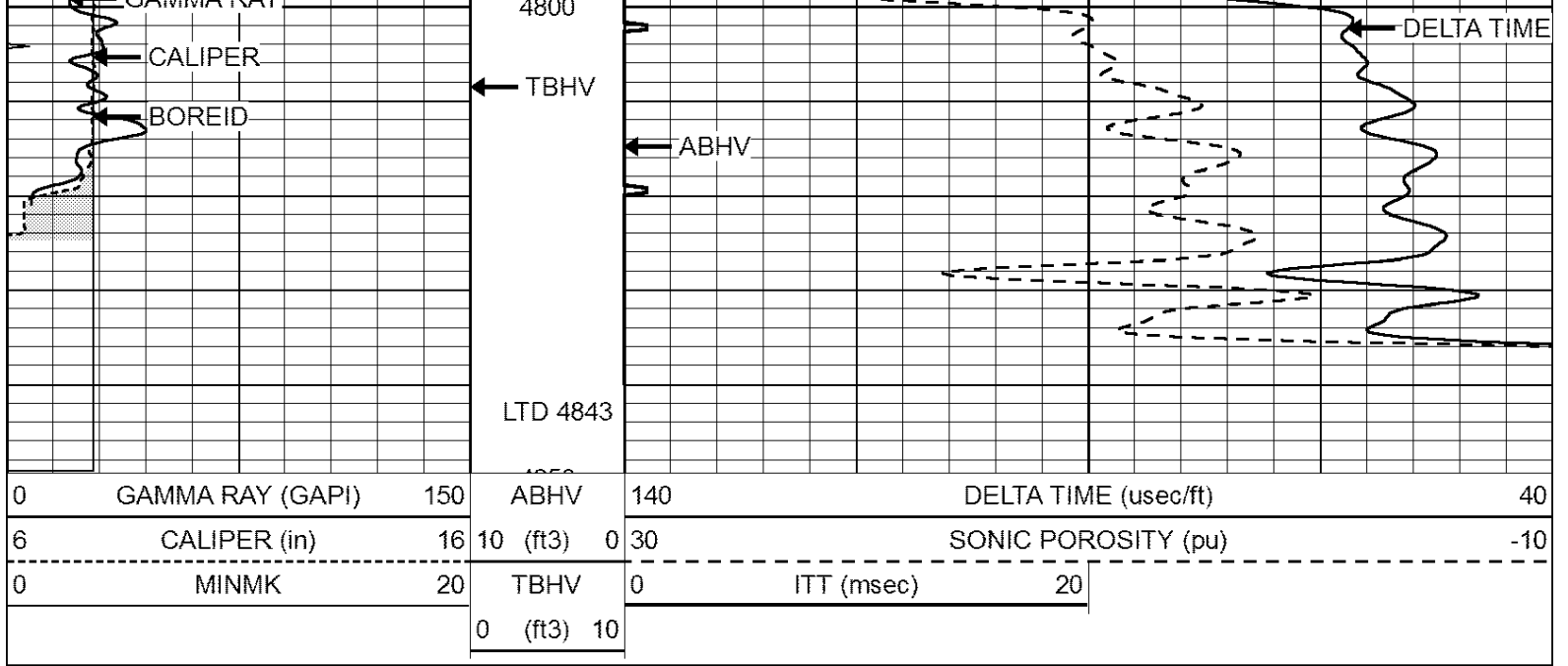








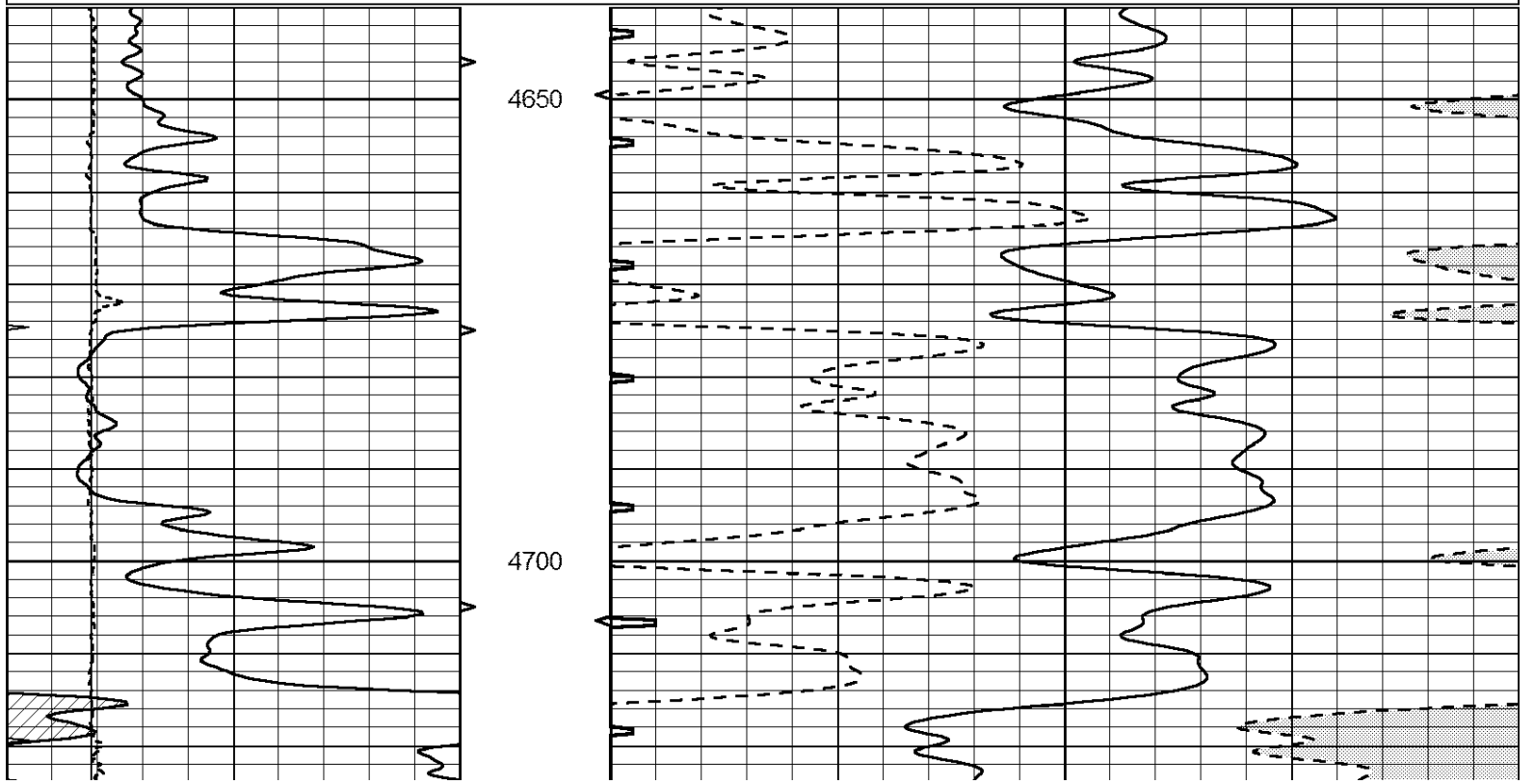


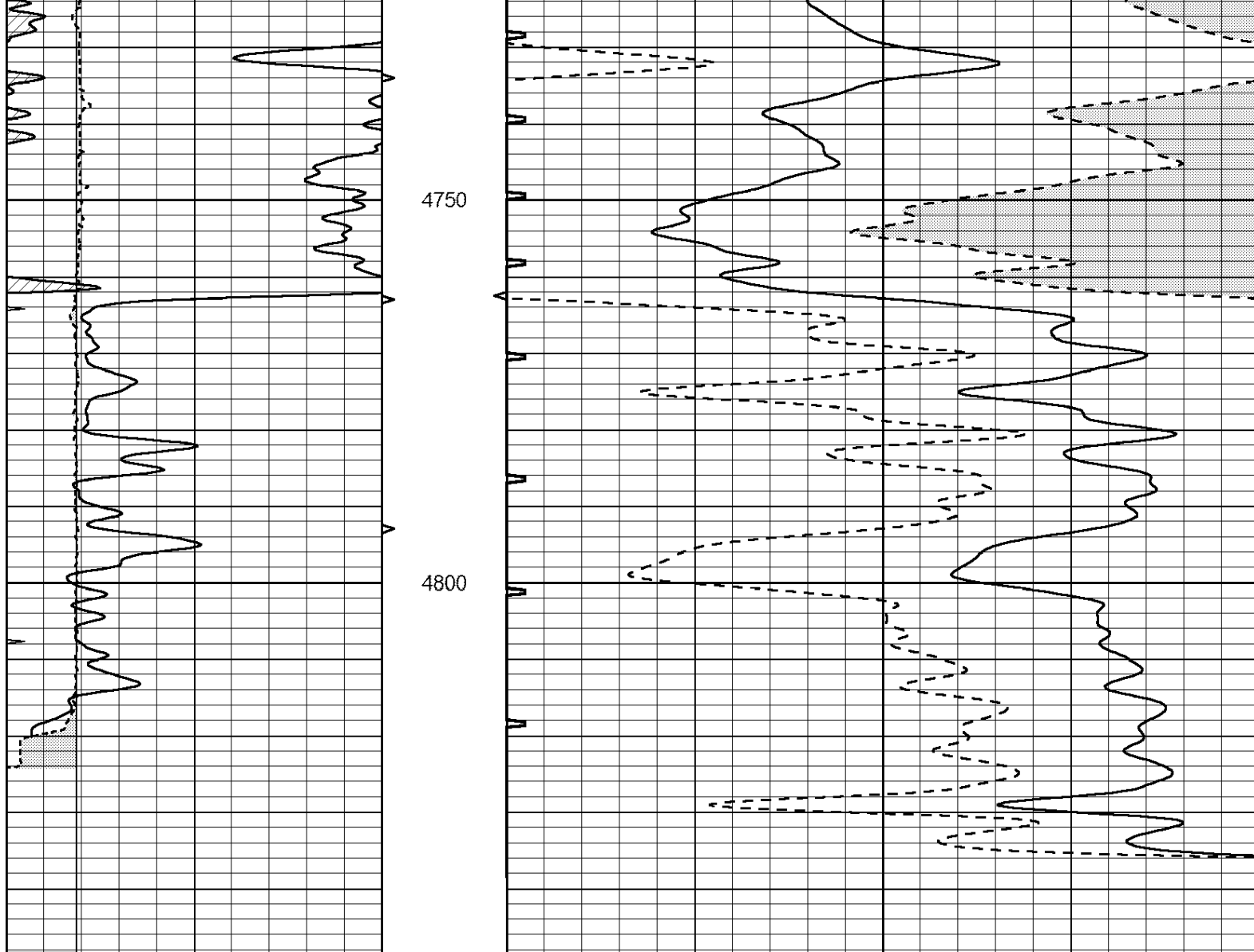


# REPEAT SECTION

Database File: 3692pe.db  
 Dataset Pathname: pass4RP  
 Presentation Format: \_slt  
 Dataset Creation: Fri Jun 21 10:44:25 2019  
 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
0	MINMK	20	TBHV	0	ITT (msec)	20
			0 (ft3)	10		





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0	MINMK	20	TBHV	0	ITT (msec)	20	
			0 (ft3)	10			

Calibration Report

Database File: 3692pe.db  
 Dataset Pathname: pass4RP  
 Dataset Creation: Fri Jun 21 10:44:25 2019

MICRO Calibration Report

Serial Number: MICRO3  
 Tool Model: PROBE  
 Performed: Sat Apr 06 08:28:00 2019

Caliper Calibration: Gain=5.761 Offset=-21.702

References	Low Cal	High Cal
Readings	7.000	14.000
	5.339	6.500

1.5" Calibration: Gain=84.606 Offset=0.620

References	Low Cal	High Cal
Readings	0.000	20.000
	0.000	0.000

Readings 0.001 0.230

2" Calibration: Gain=118.028 Offset=-0.676

	Low Cal	High Cal
References	0.000	20.000
Readings	0.018	0.188

Gamma Ray Calibration Report

Serial Number: GR5  
Tool Model: OPEN  
Performed: Wed Feb 27 04:44:36 2019

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps  
Calibrator Reading: 1.0 cps

Sensitivity: 0.5600 GAPI/cps