



SONIC LOG

Company	CMX INC.	Company	CMX INC.
Well	BLACK KETTLE #1-18	Well	BLACK KETTLE #1-18
Field	WILDCAT	Field	WILDCAT
County	SCOTT	County	SCOTT
State	KANSAS	State	KANSAS
Location:	API # : 15-171-21228-00-00	Other Services	CDL/CNL/MEL DIL
Permanent Datum	1840' FNL & 1436' FEL	Elevation	
Log Measured From	SEC 18 TWP 16S RGE 31W	K.B. 2937	
Drilling Measured From	GROUND LEVEL	D.F. 2935	
	KELLY BUSHING	G.L. 2929	
Date	07/24/18		
Run Number	TWO		
Depth Driller	4675		
Depth Logger	4668		
Bottom Logged Interval	4659		
Top Log Interval	50		
Casing Driller	8 5/8" @ 309		
Casing Logger	309		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.2/5.1		
pH / Fluid Loss	8.0/11.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.0@77		
Rmt @ Meas. Temp	.75@77		
Rmc @ Meas. Temp	1.2@77		
Source of Rmt / Rmc	MEASURED		
Rm @ BHT	.63@122		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	///		
Maximum Recorded Temperature	122F		
Equipment Number	1523		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	MIKE ENGELBRECHT		

<<< Fold Here >>>

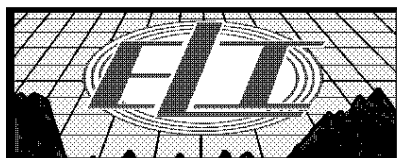
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

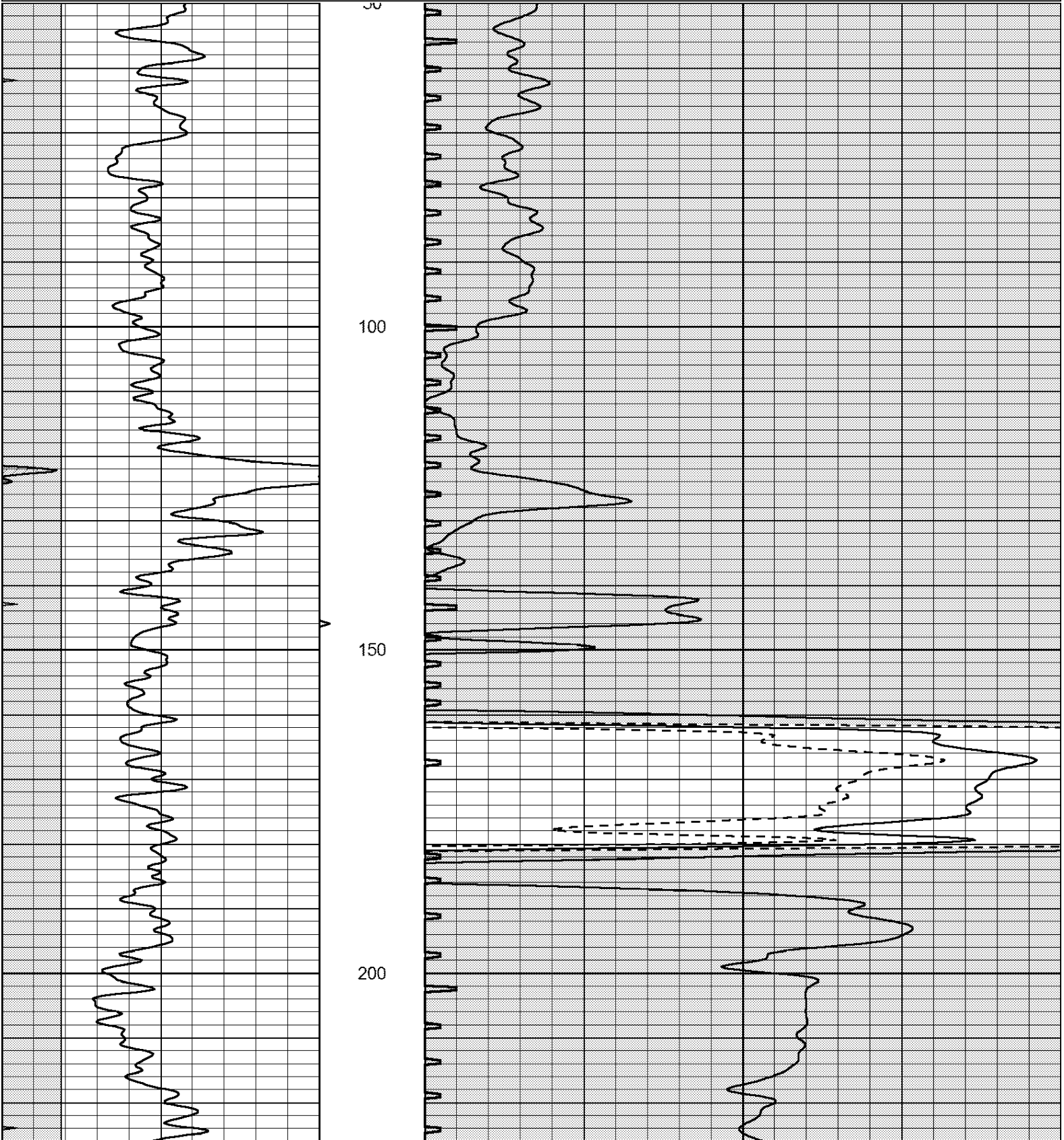
8 N OF SCOTT CITY ON HWY 83, 6 E ON HWY 4,
4 N ON RODEO RD., 1/2 E,
1/2 N, E INTO.

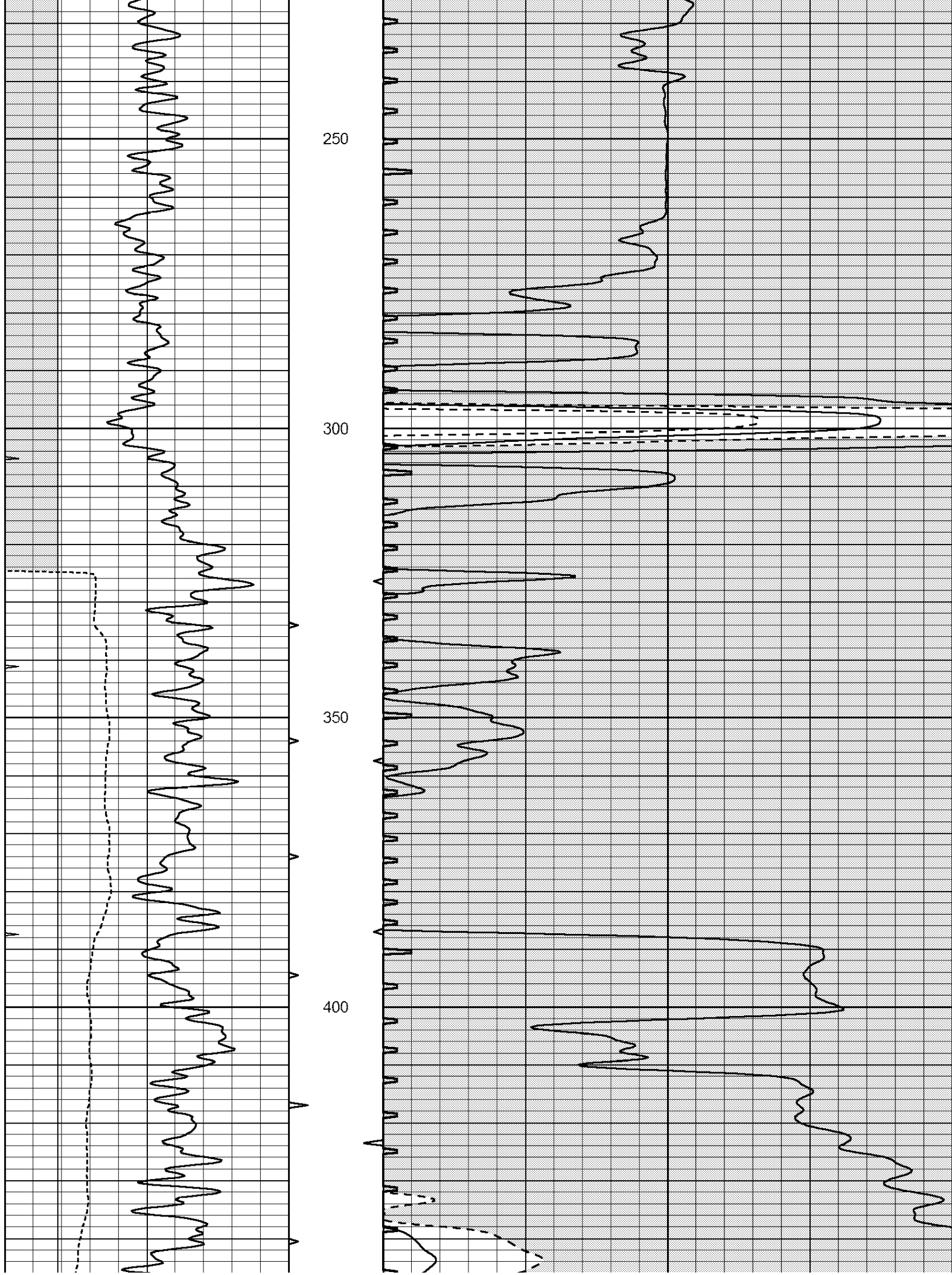


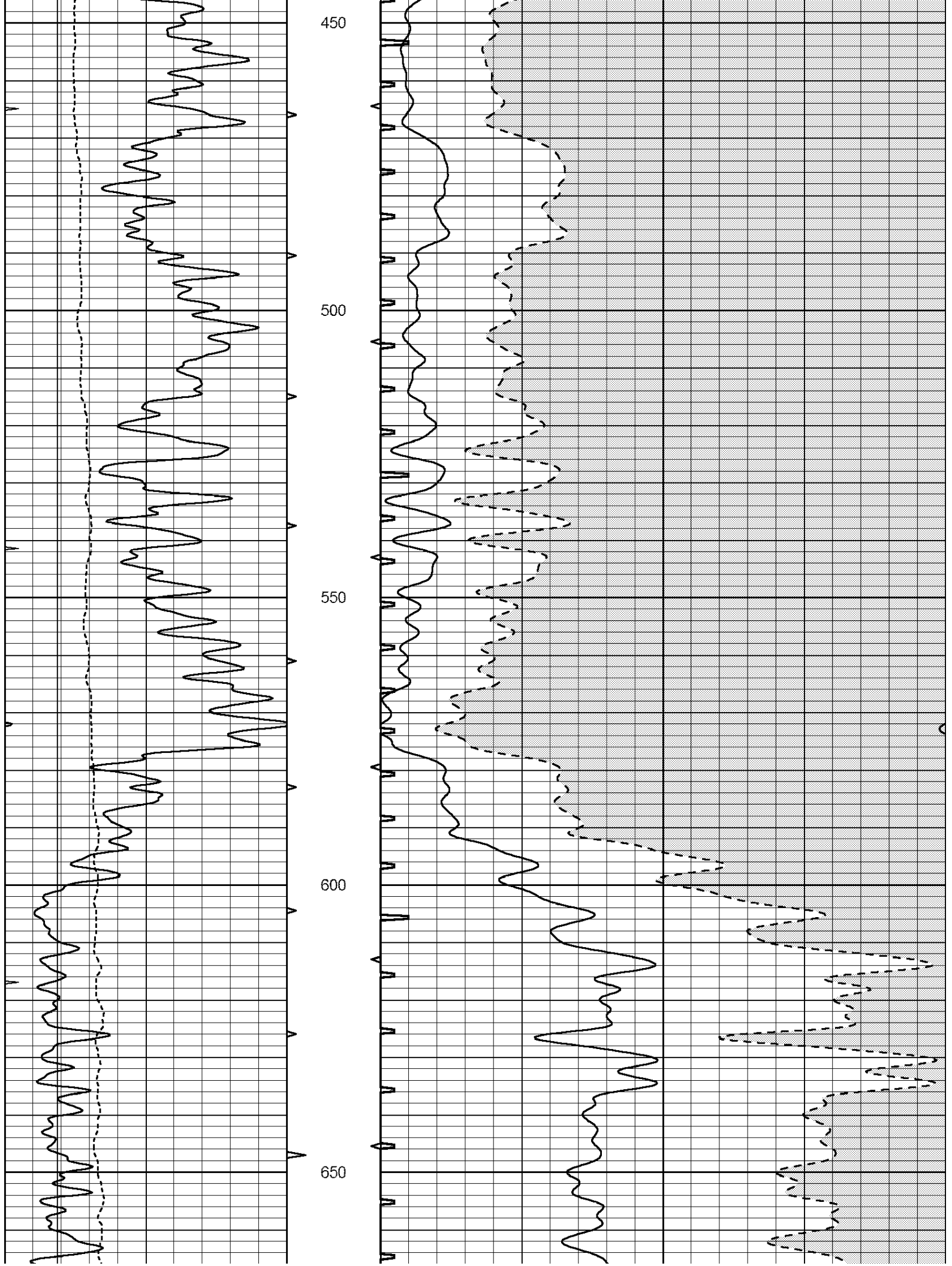
MAIN PASS

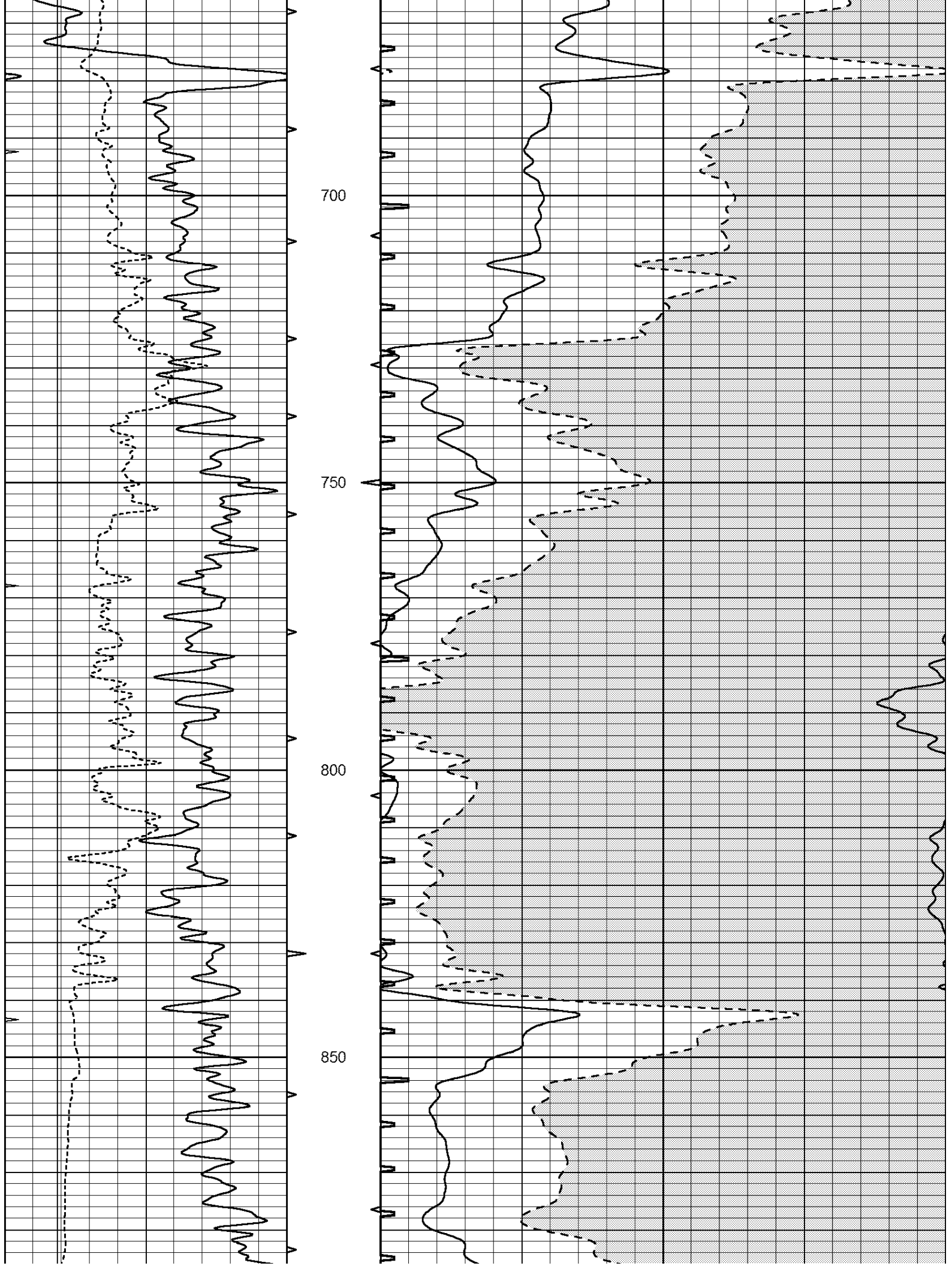
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Dataset Pathname: pass7.1
Presentation Format: _slt
Dataset Creation: Tue Jul 24 11:50:14 2018
Charted by: Depth in Feet scaled 1:240

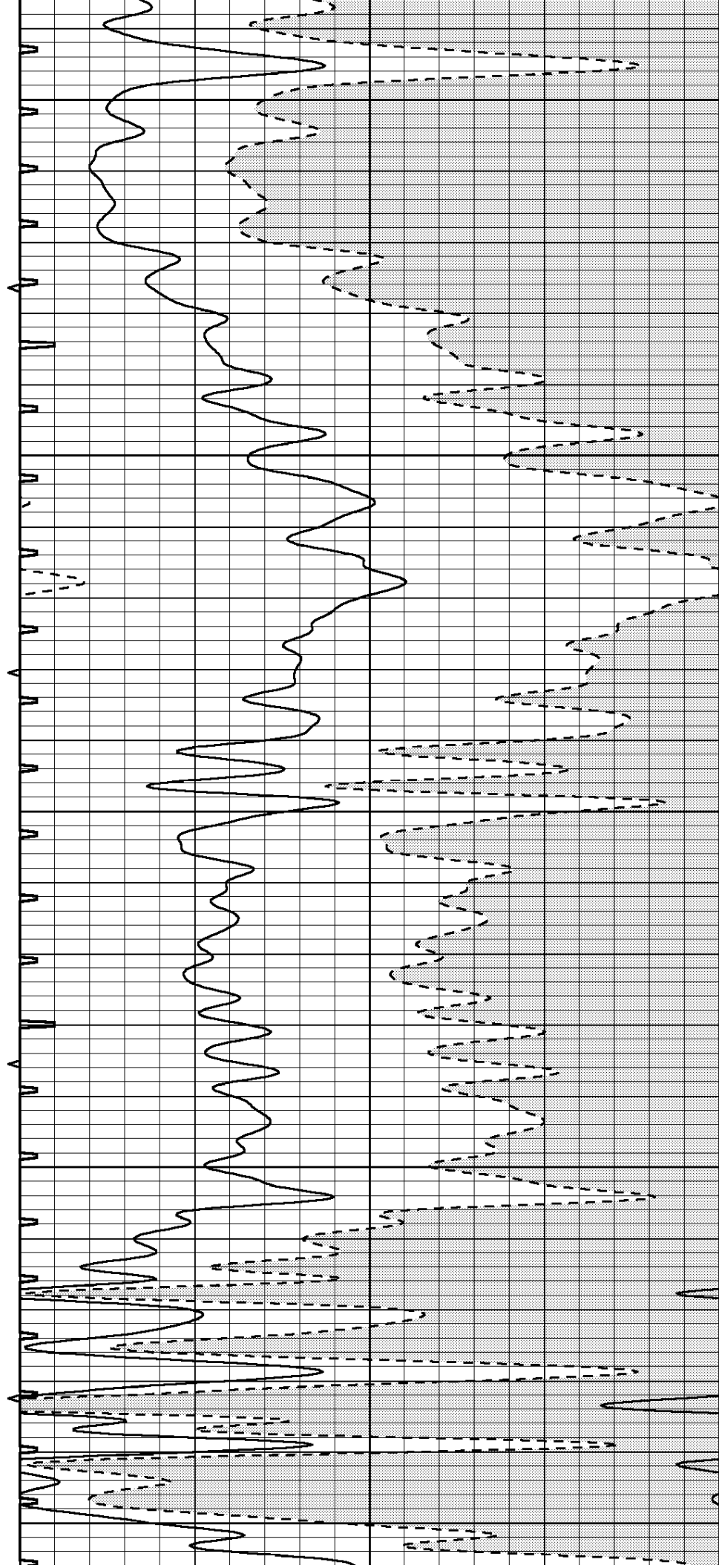
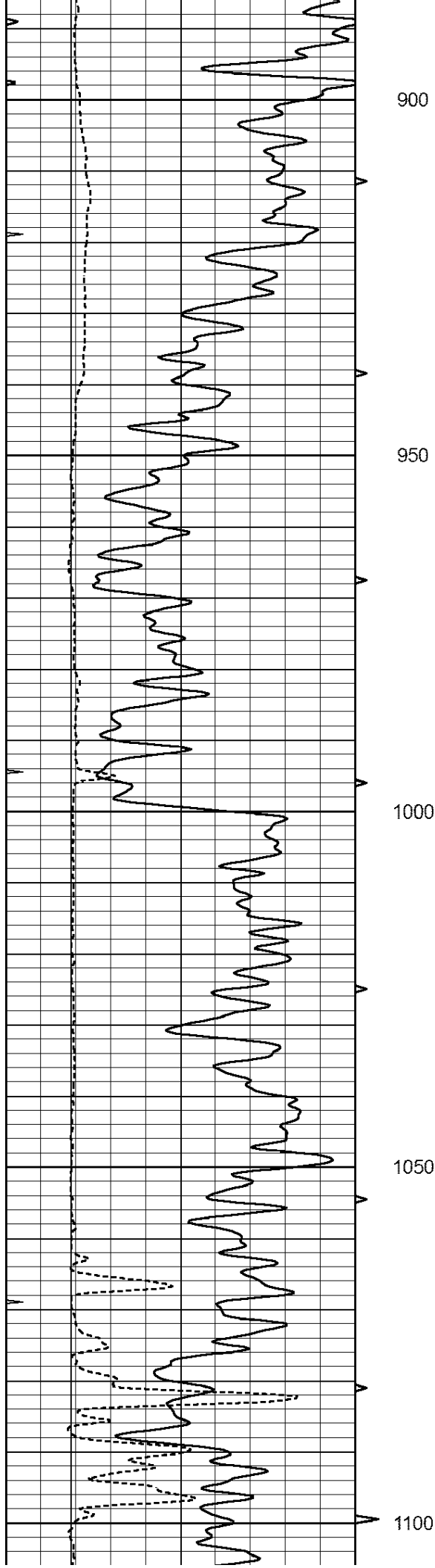
0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40
6	CALIPER (in)	16	10 (ft3) 0	30	SONIC POROSITY (pu)	-10
0	MINMK	20	TBHV	0	ITT (msec)	20
			0 (ft3) 10			

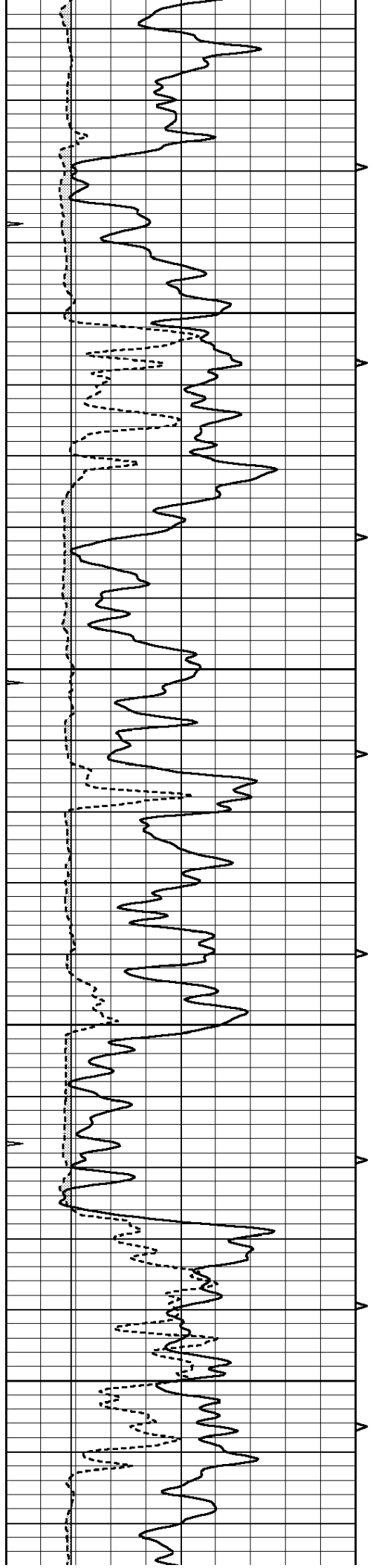










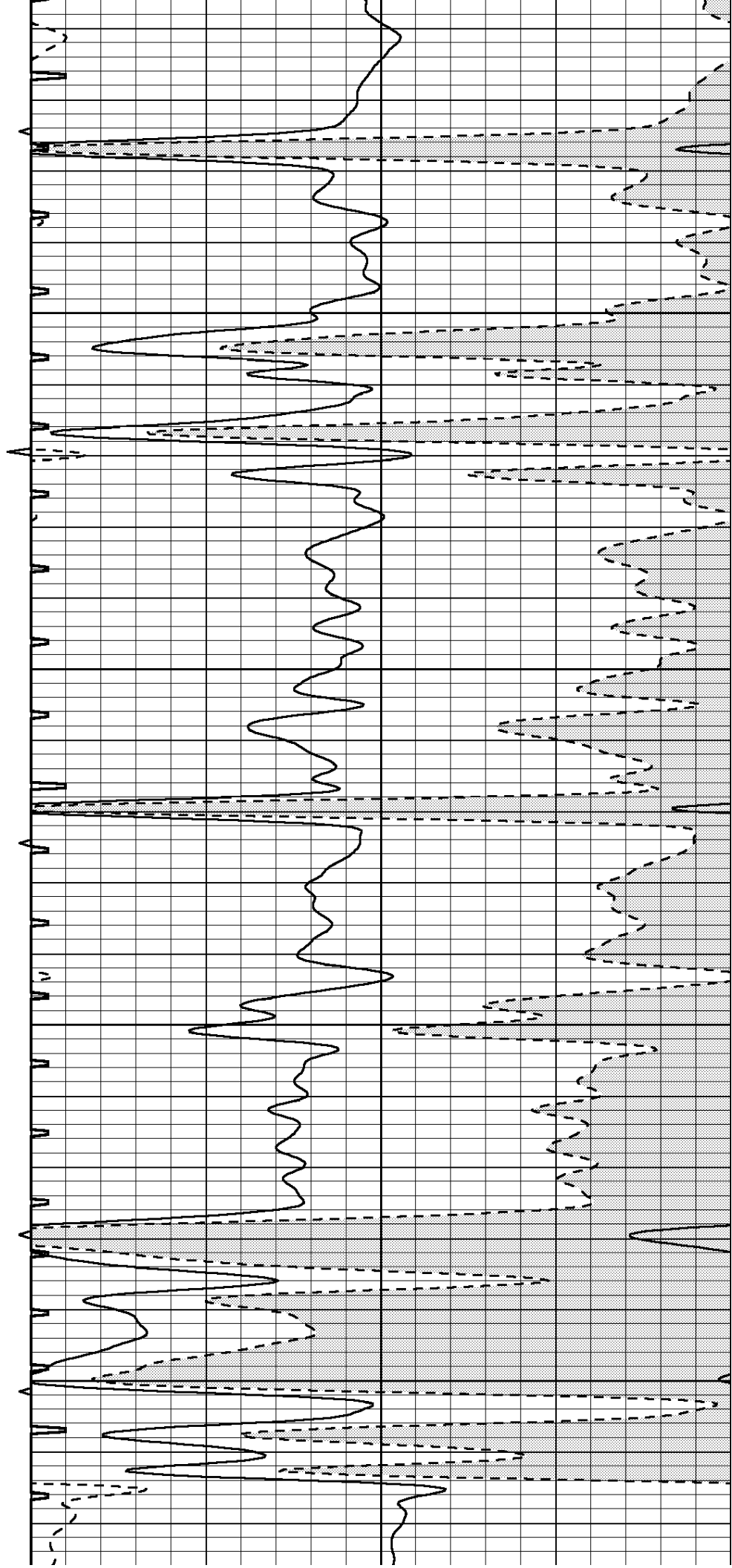


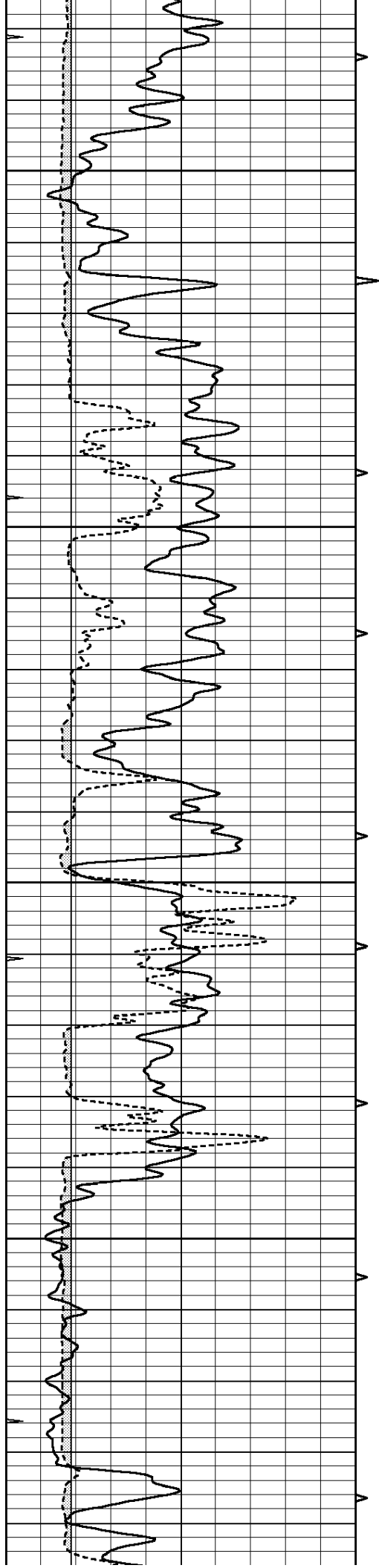
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1200

1250

1300



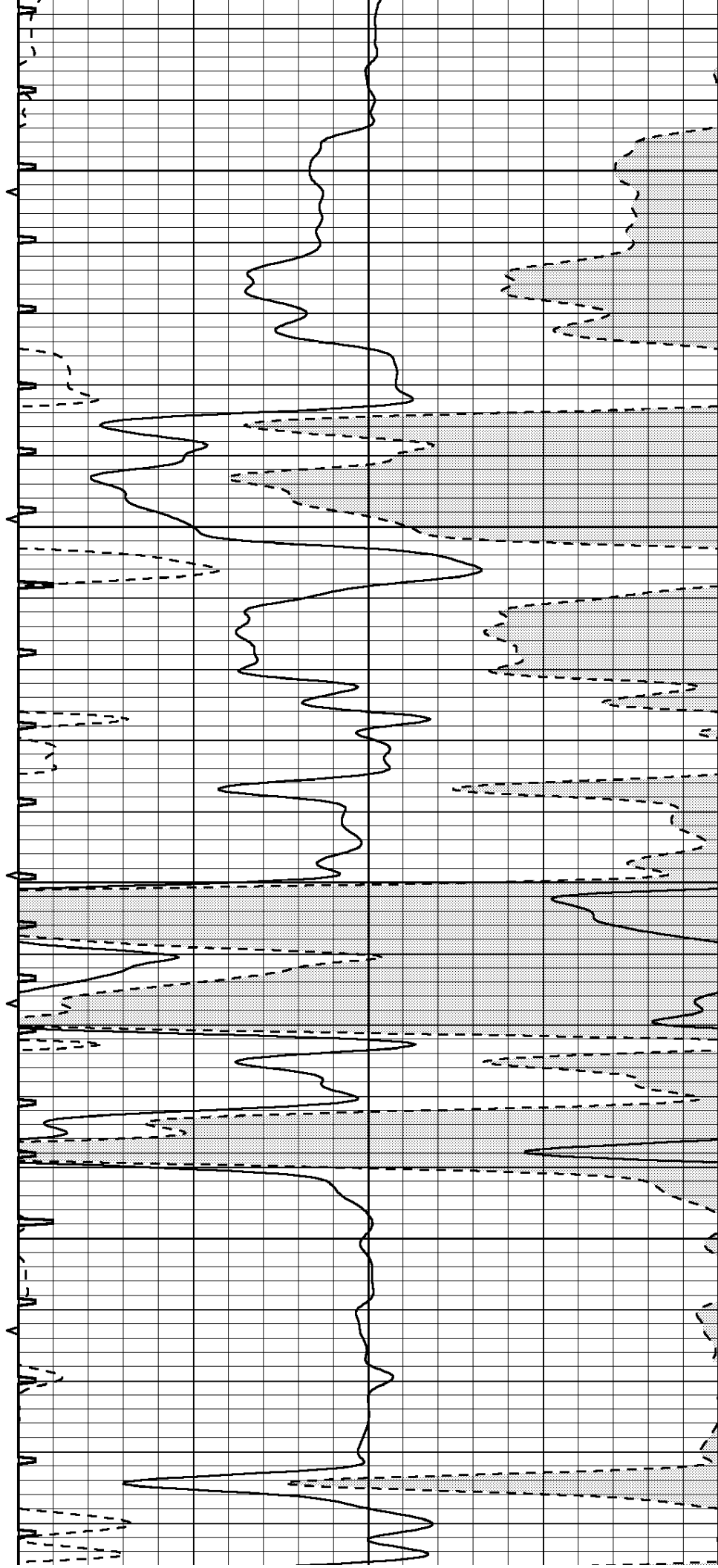


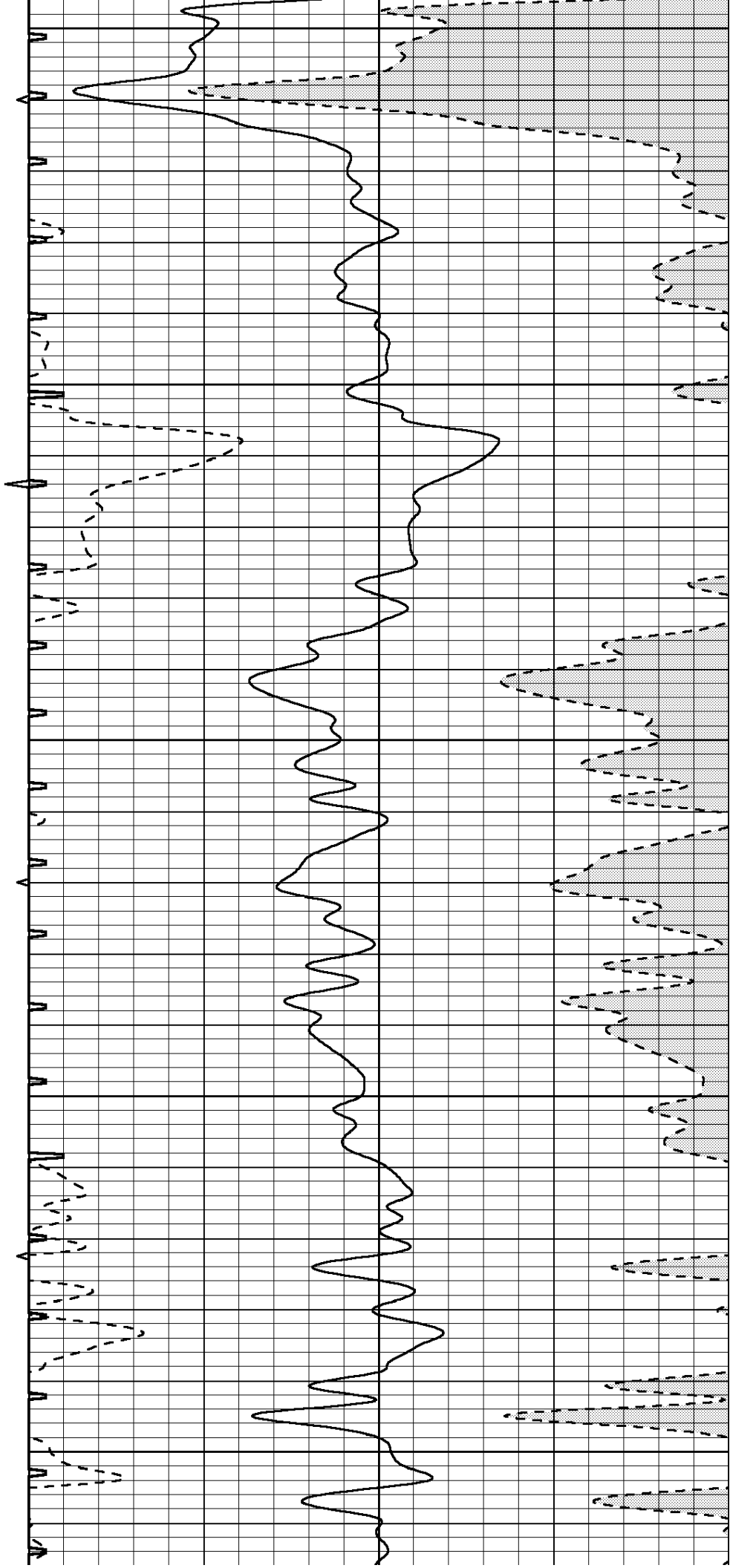
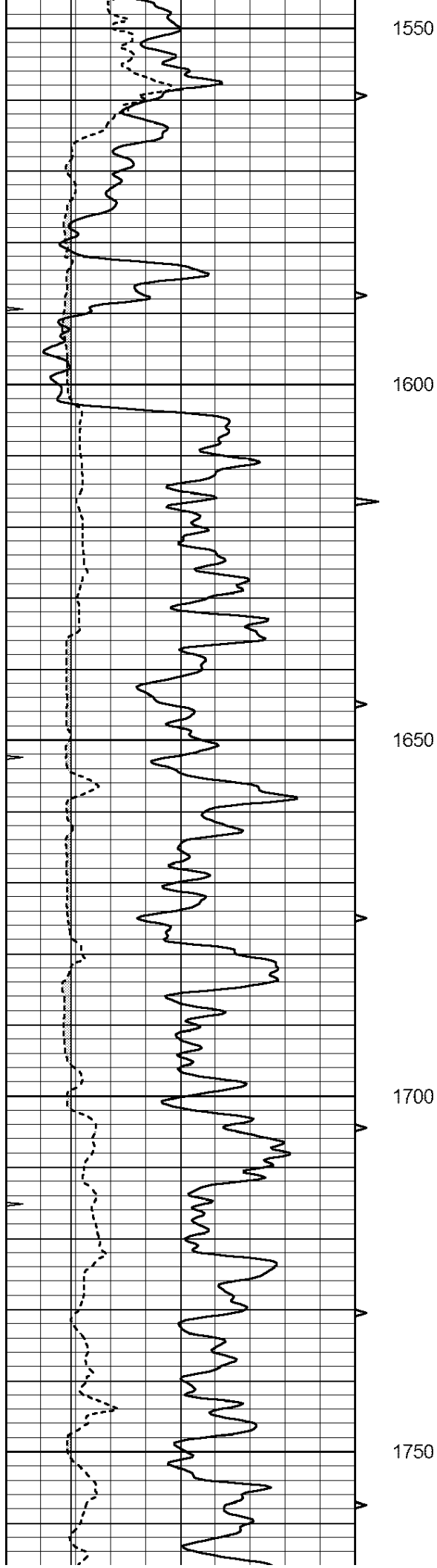
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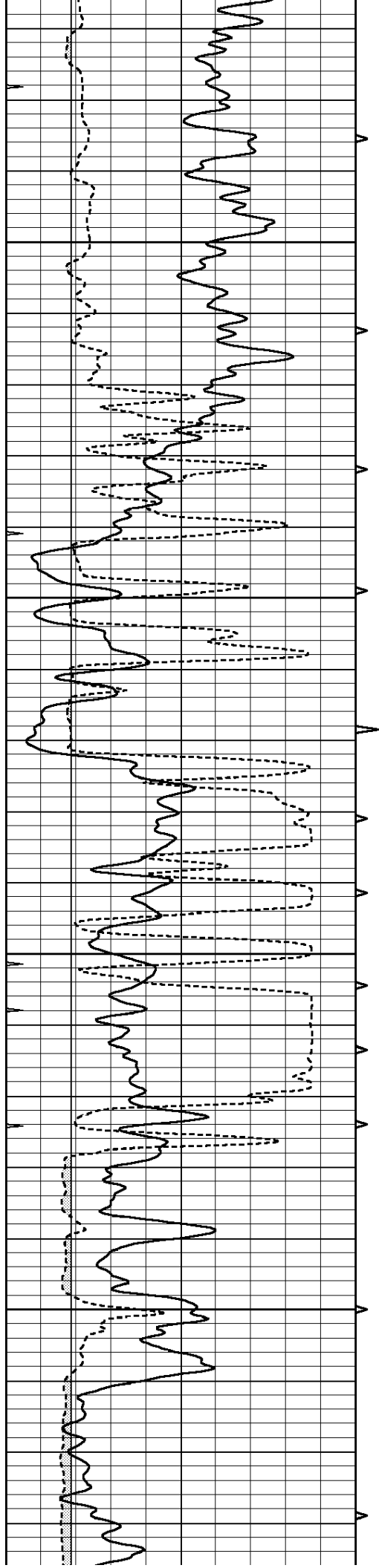
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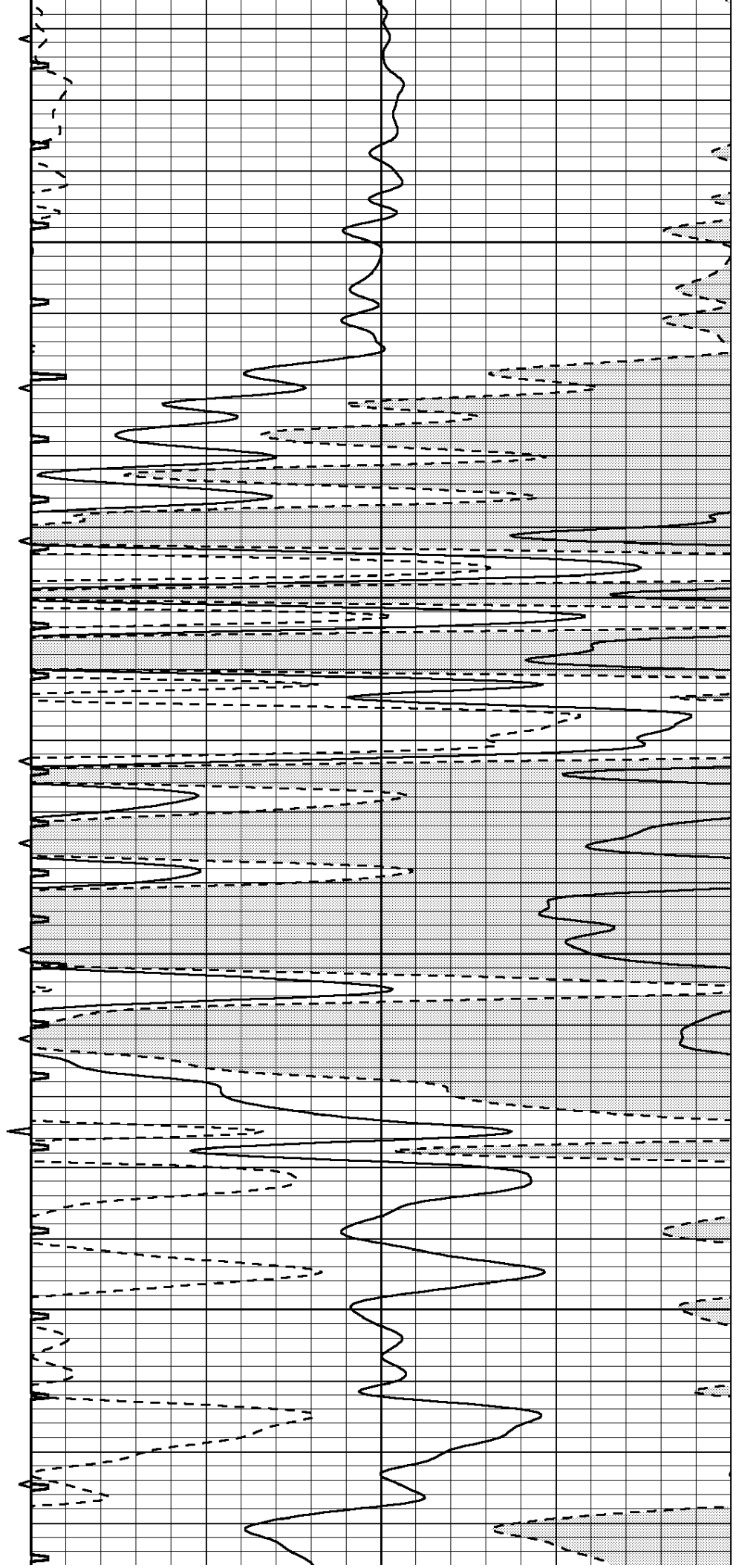


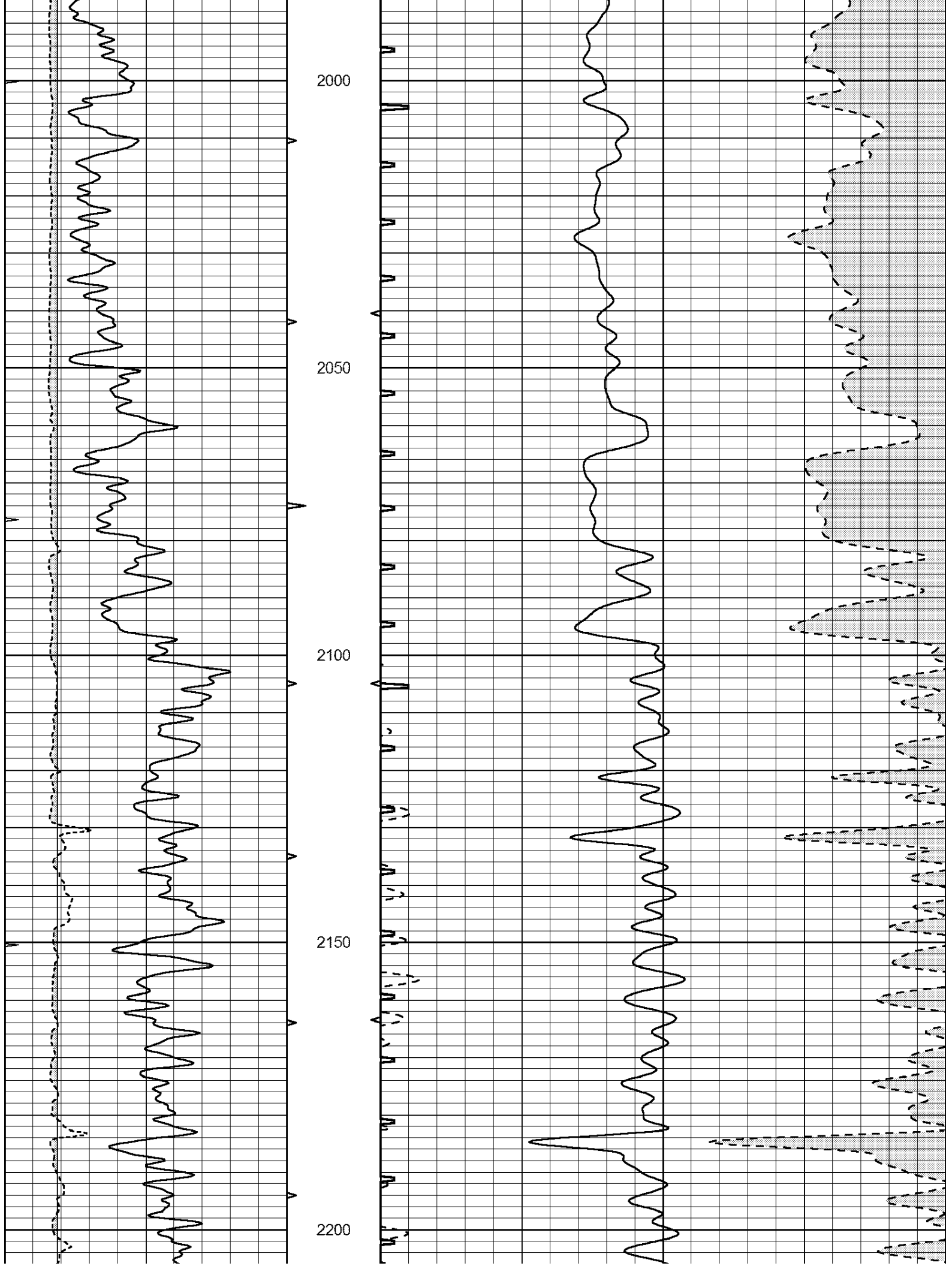
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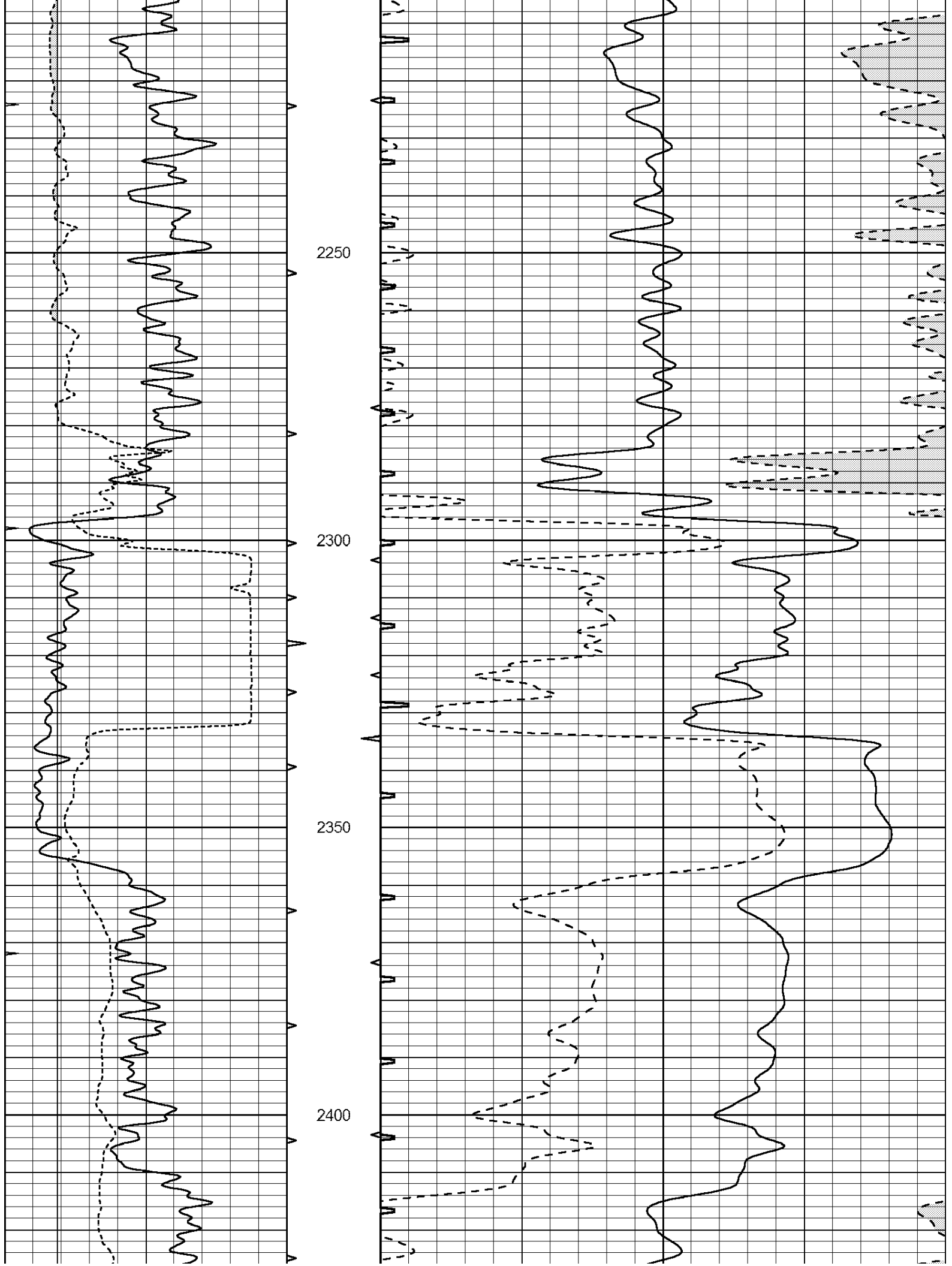
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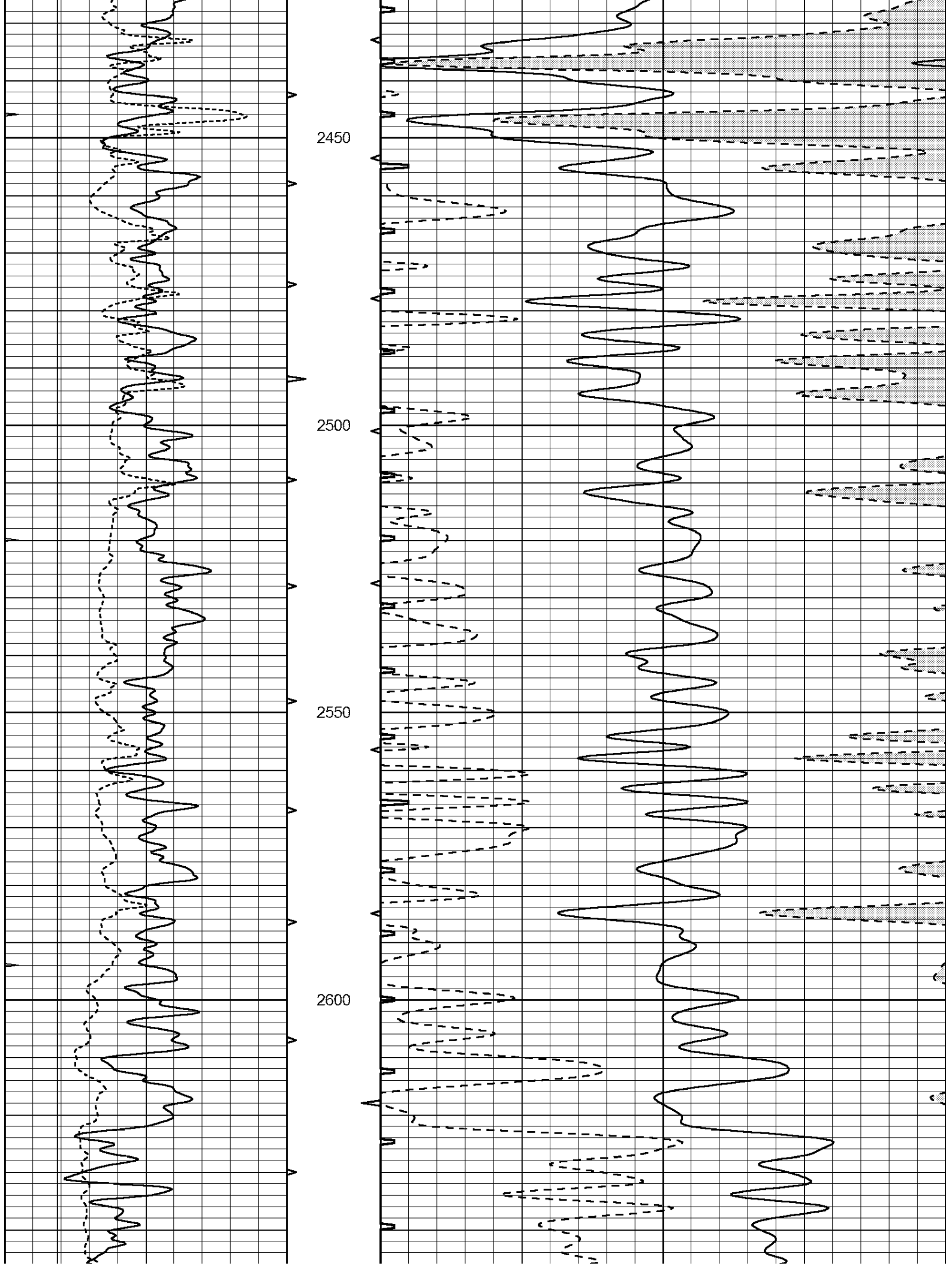
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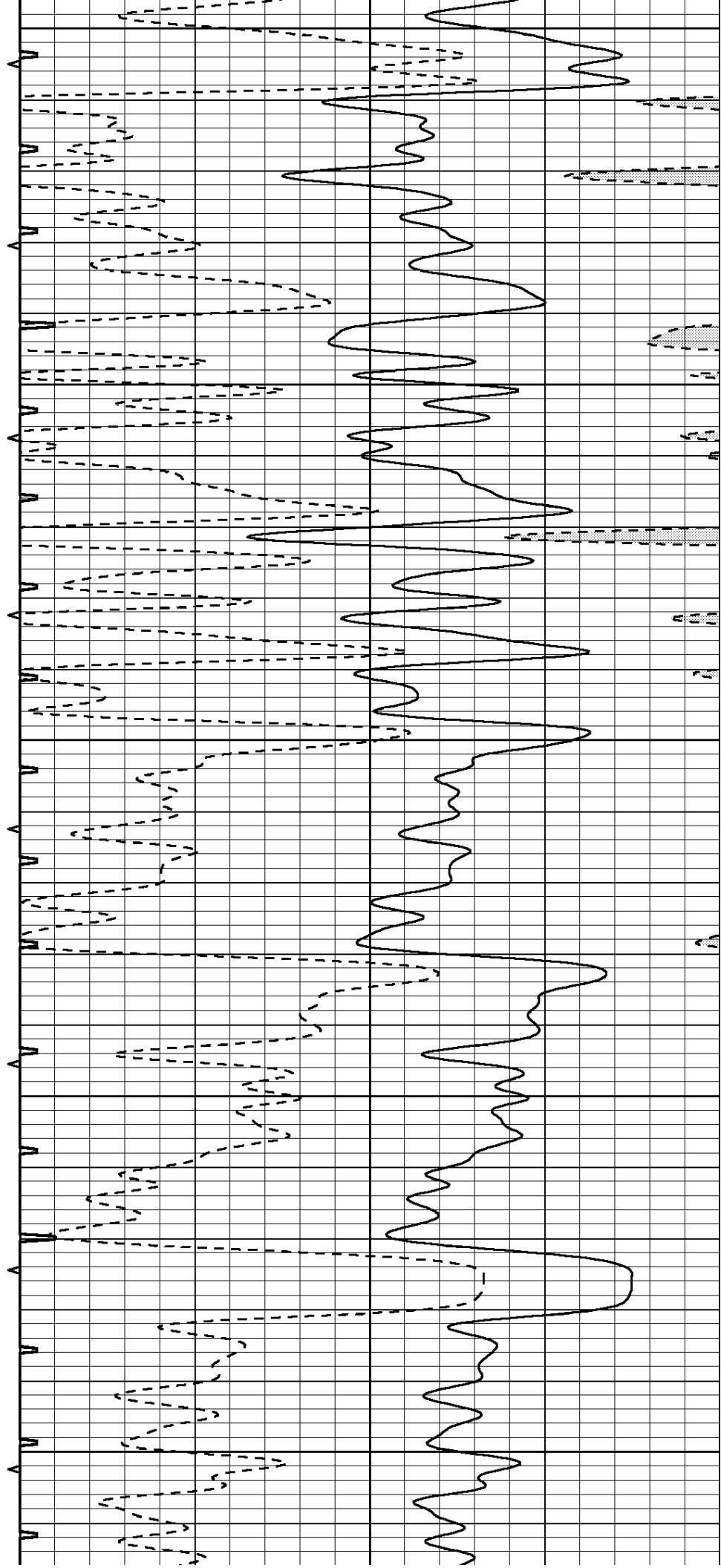
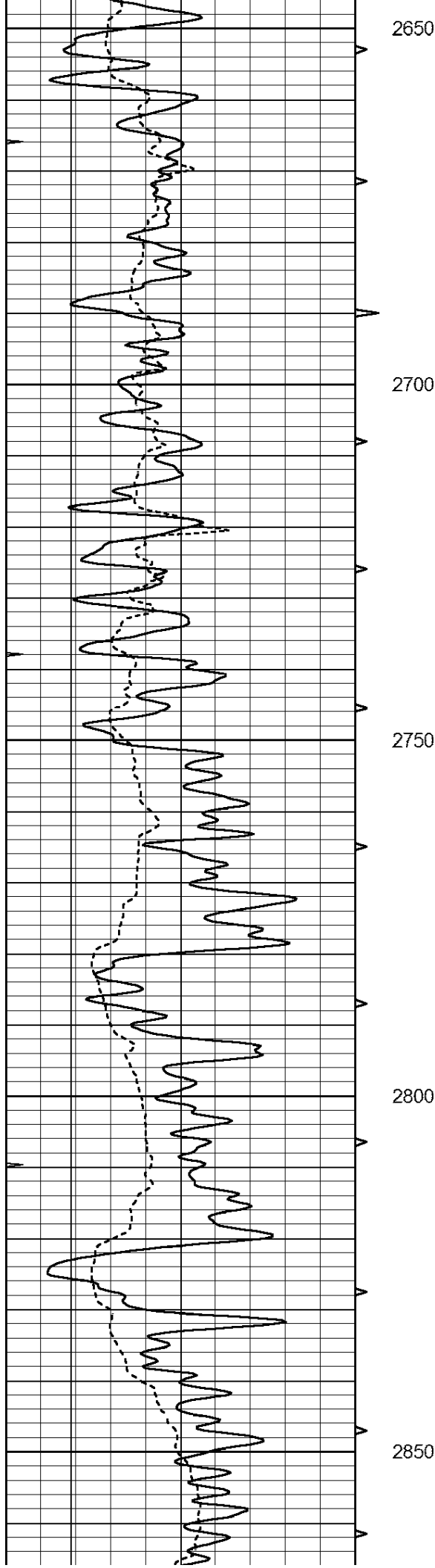
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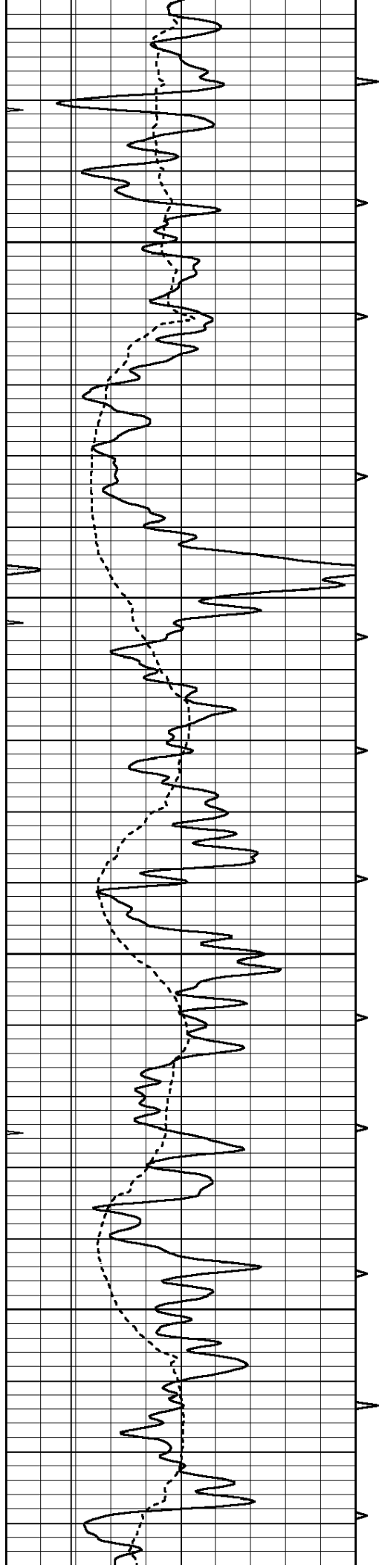










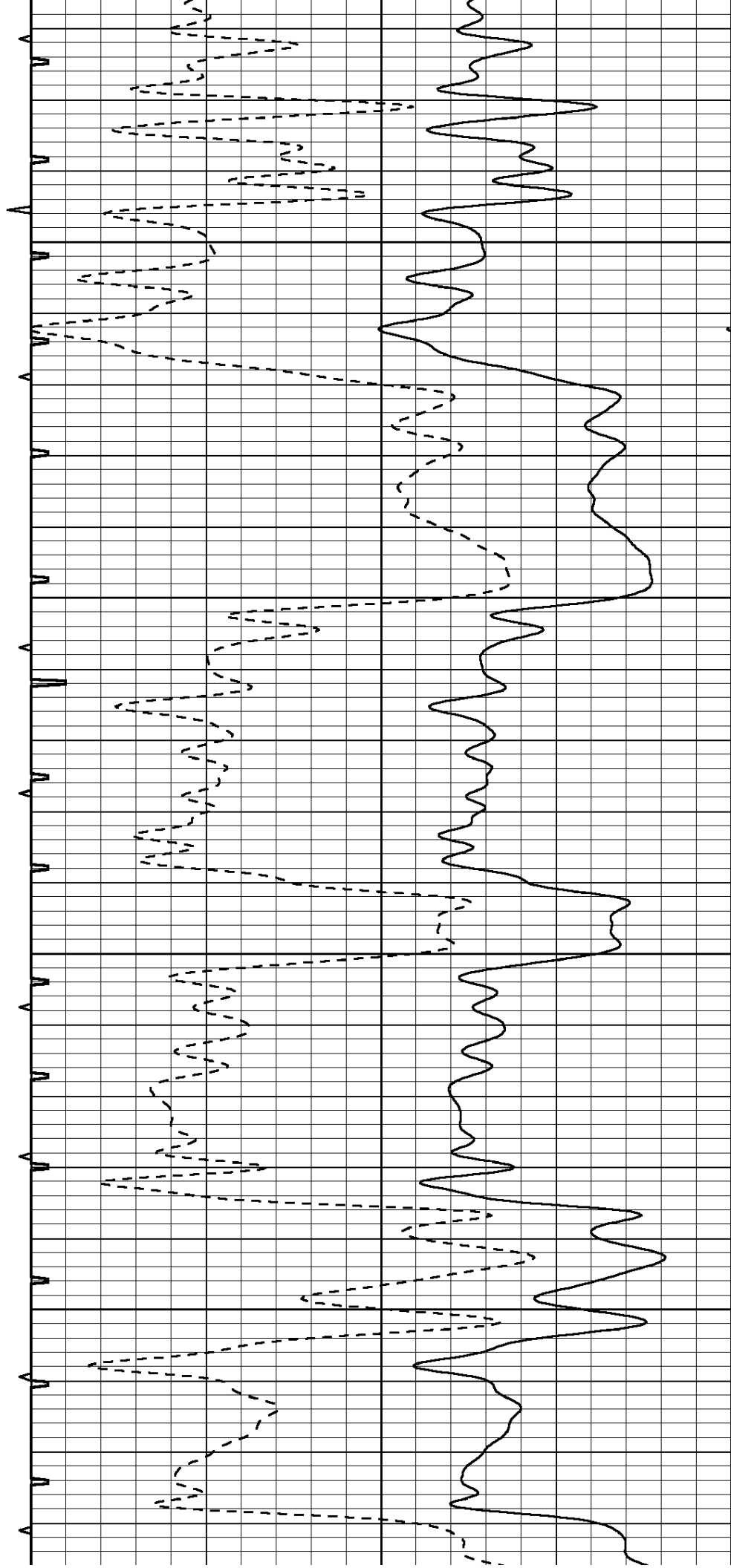


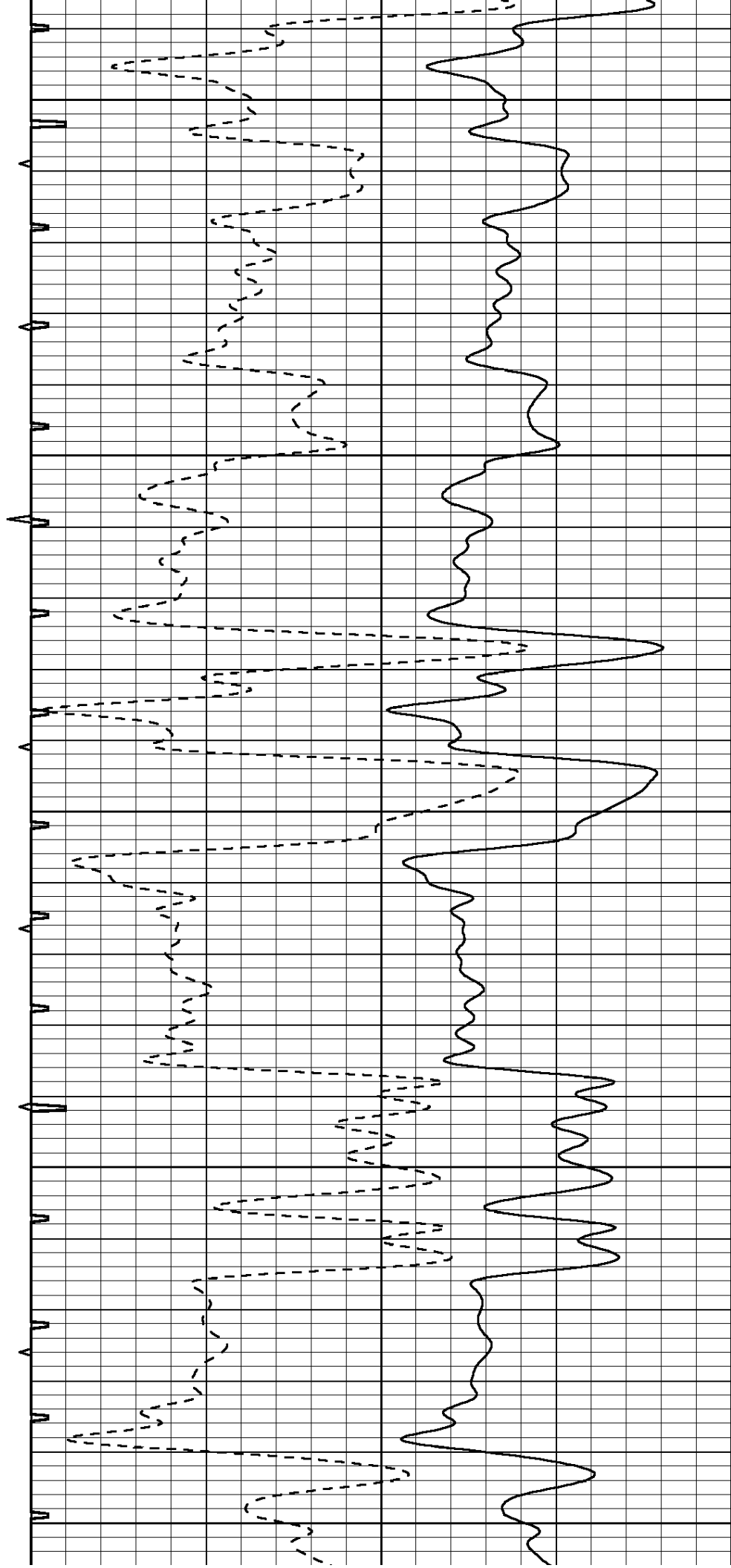
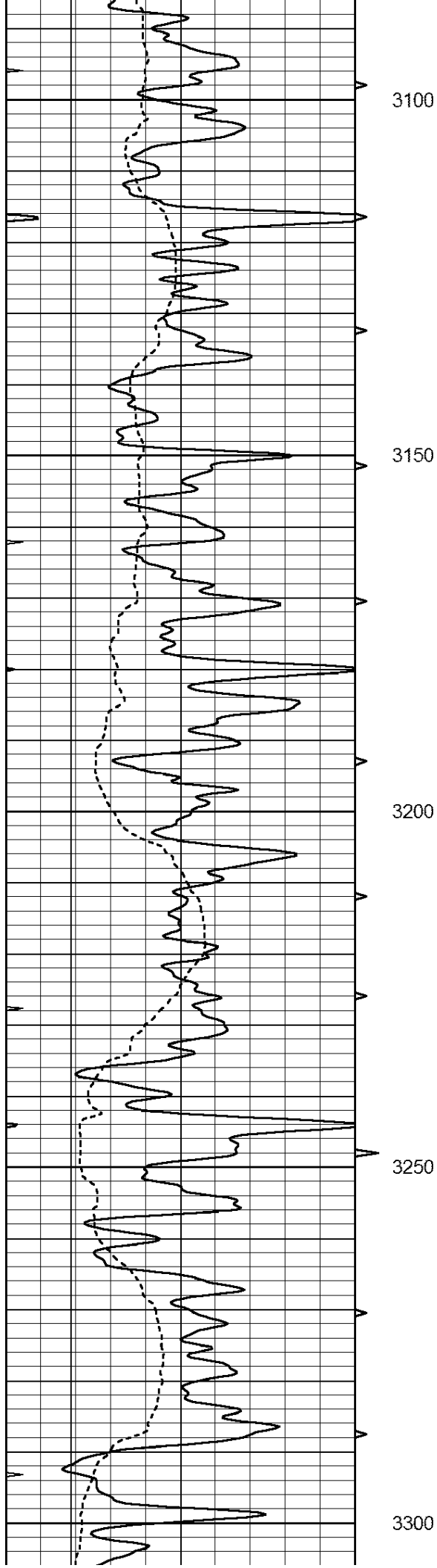
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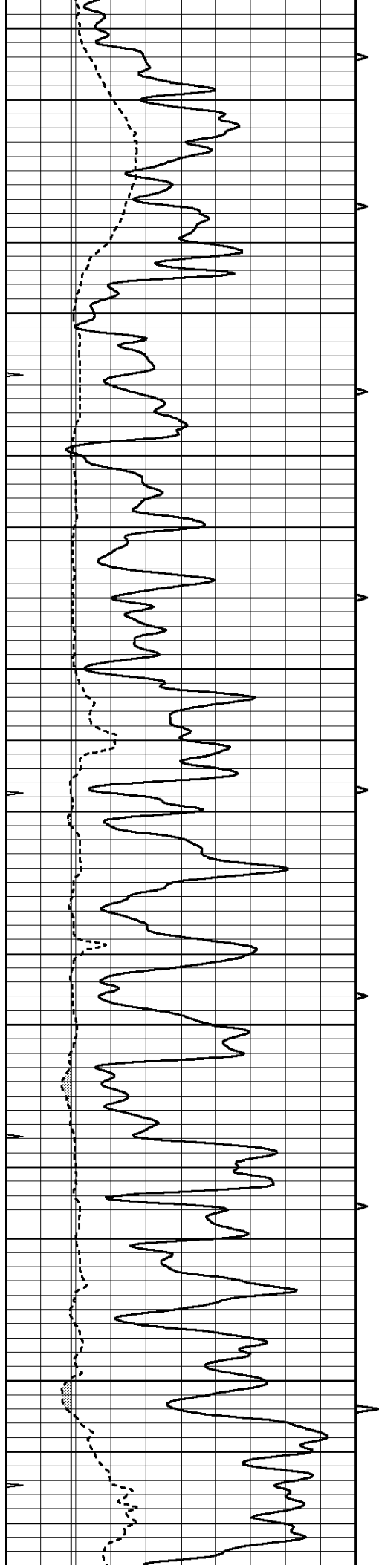
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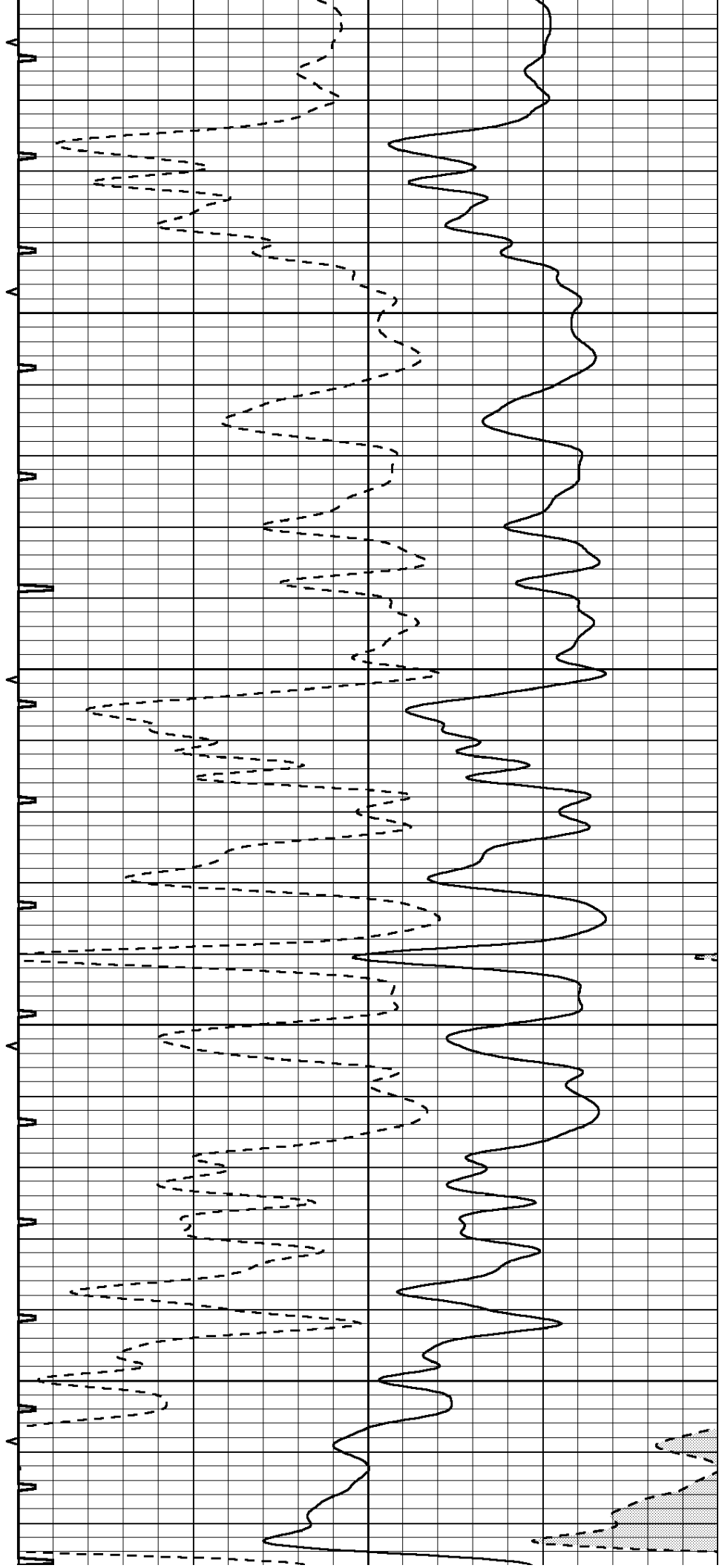


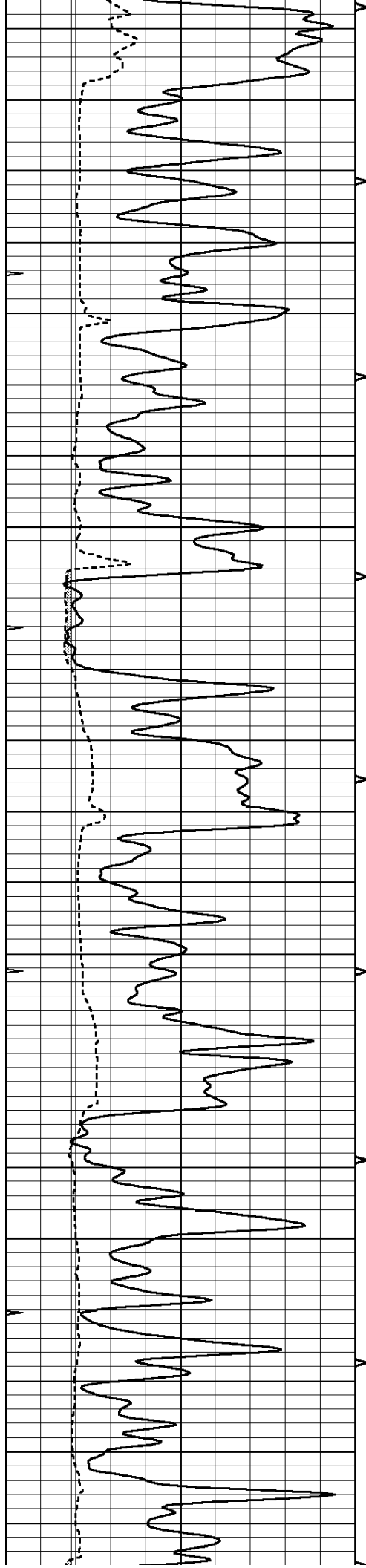
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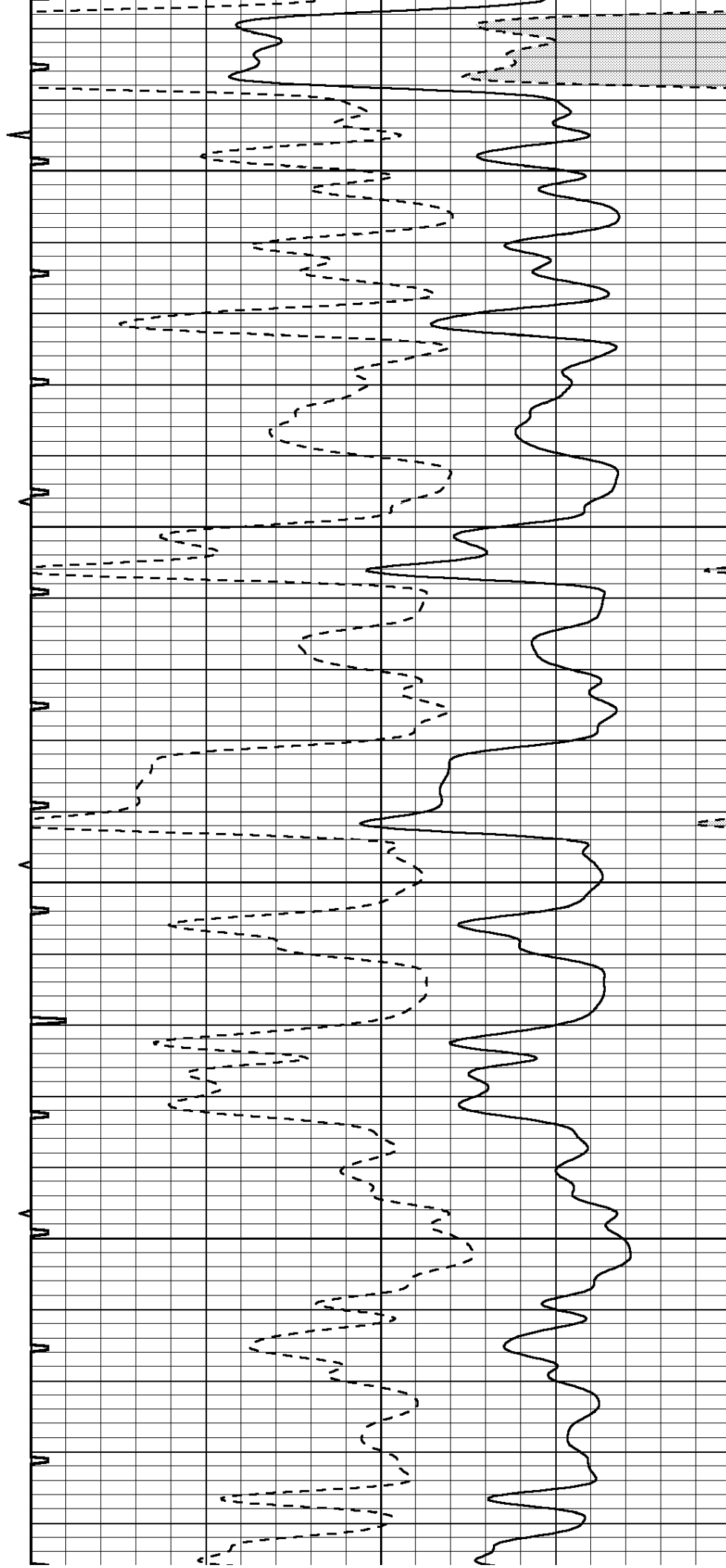


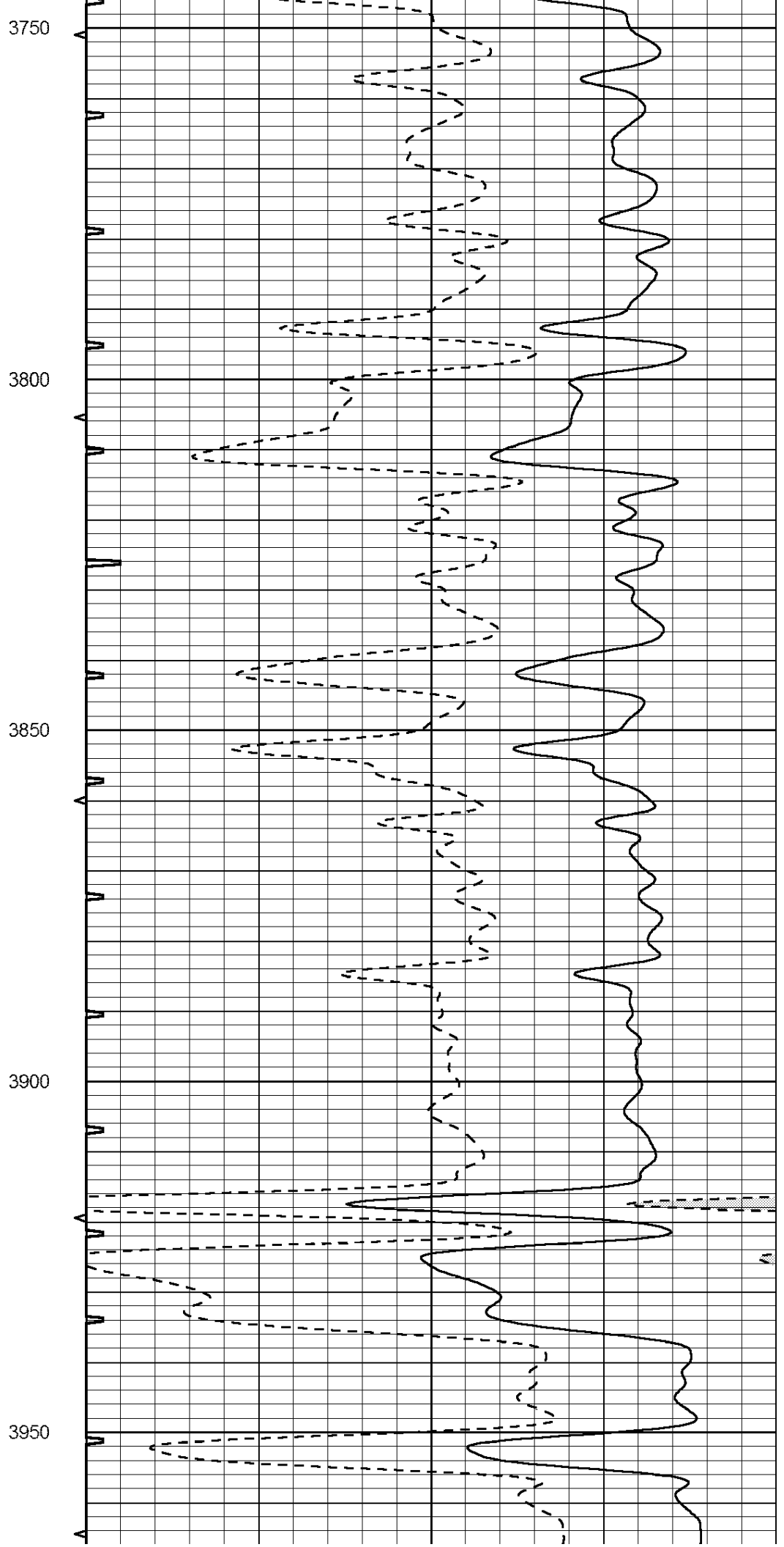
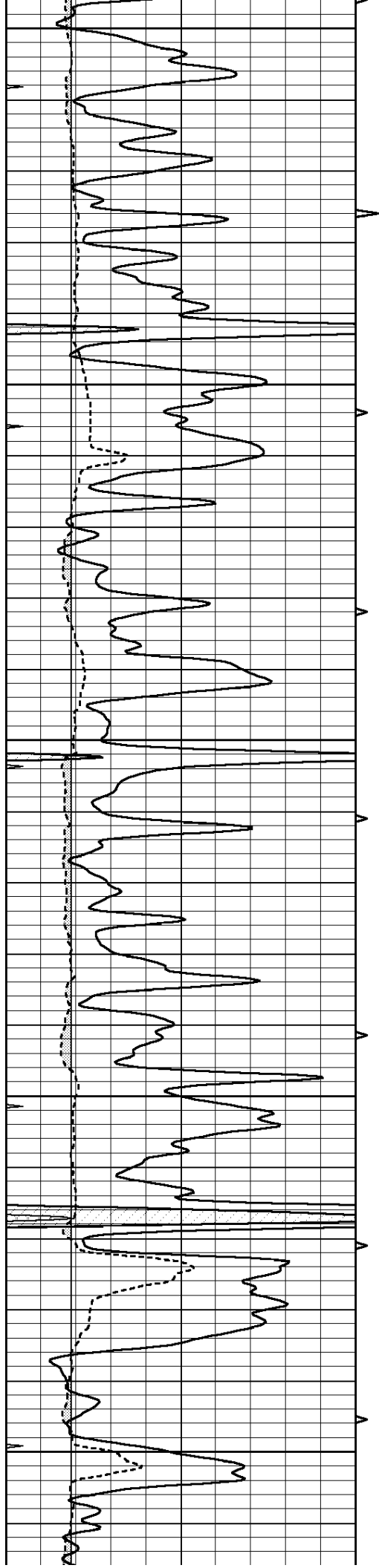
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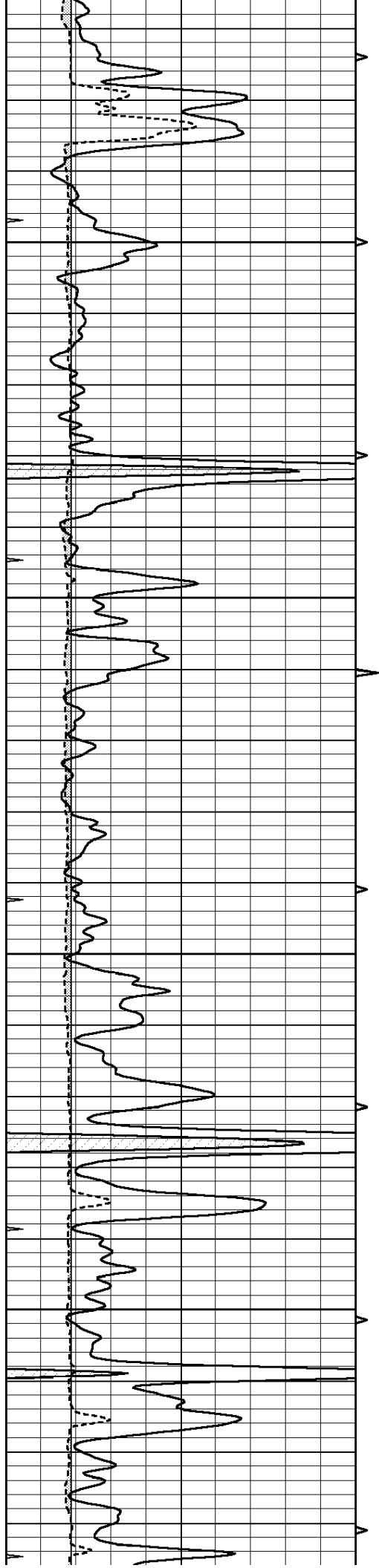
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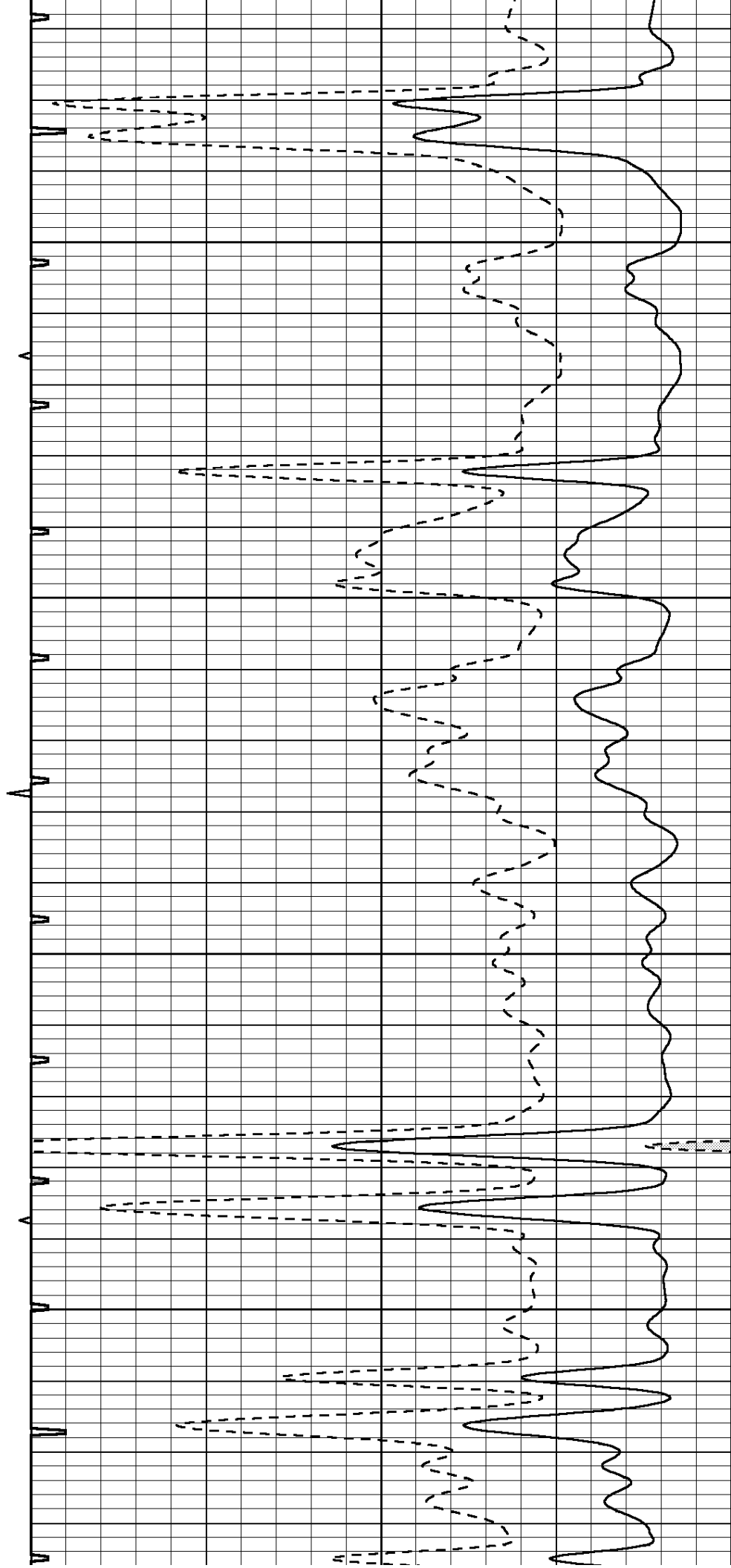


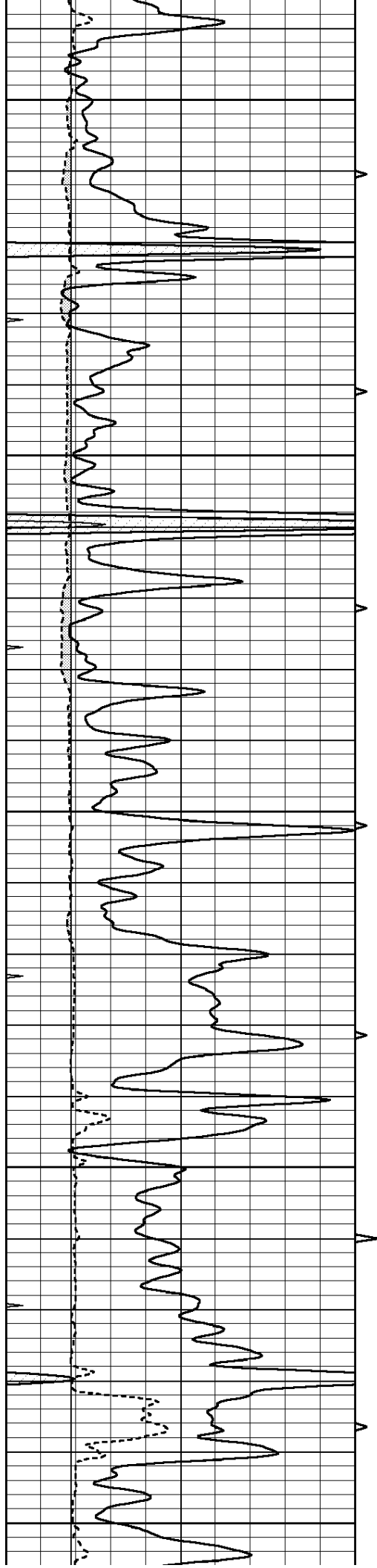
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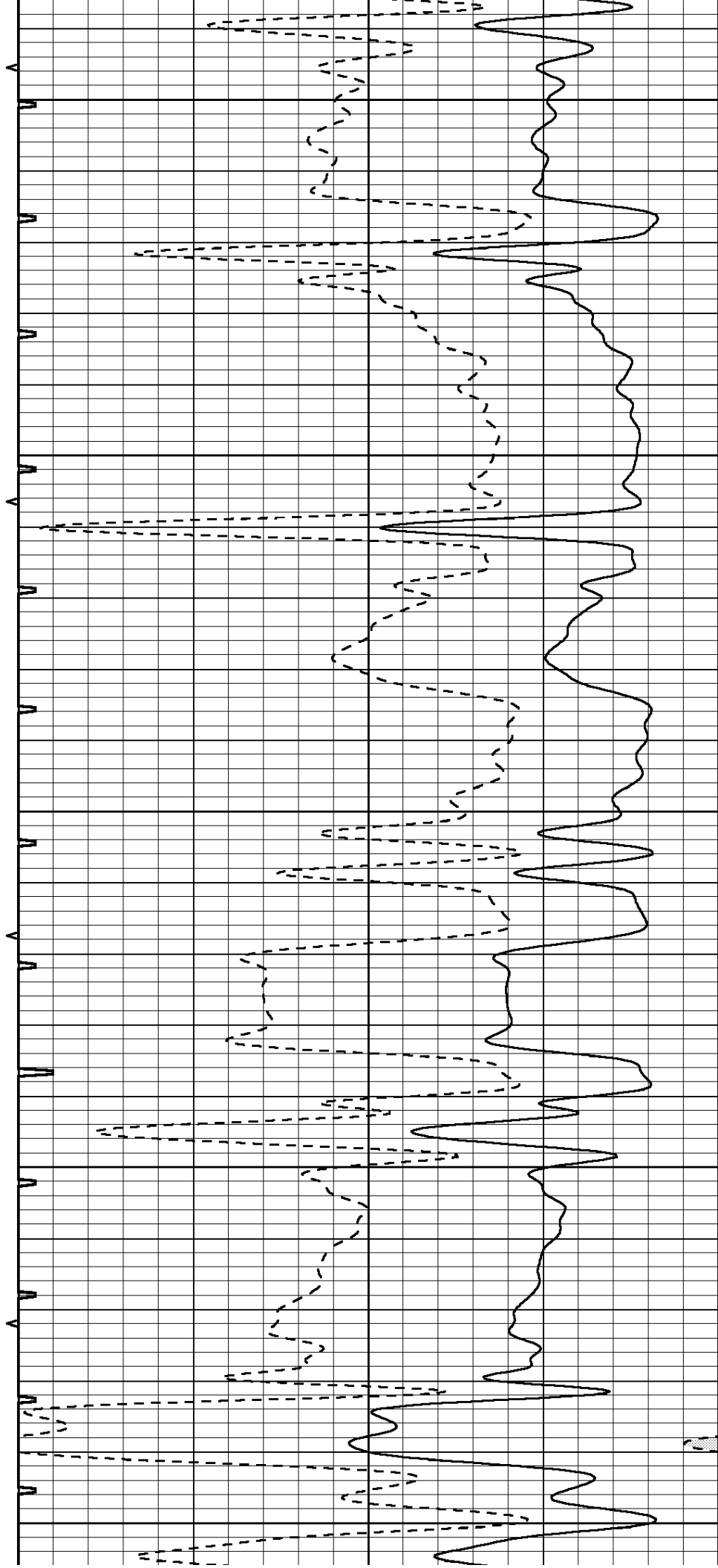
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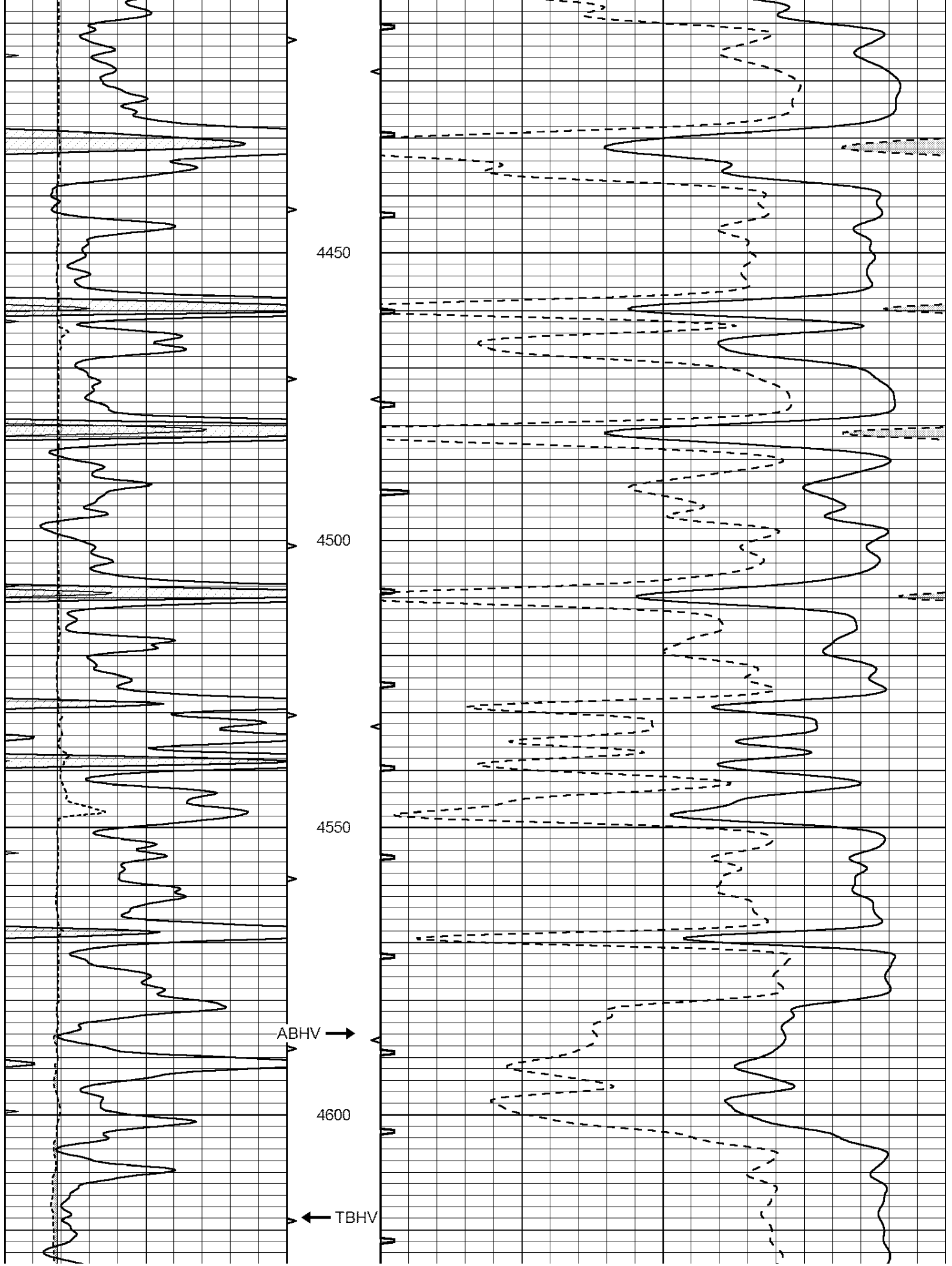
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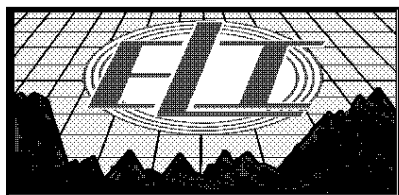
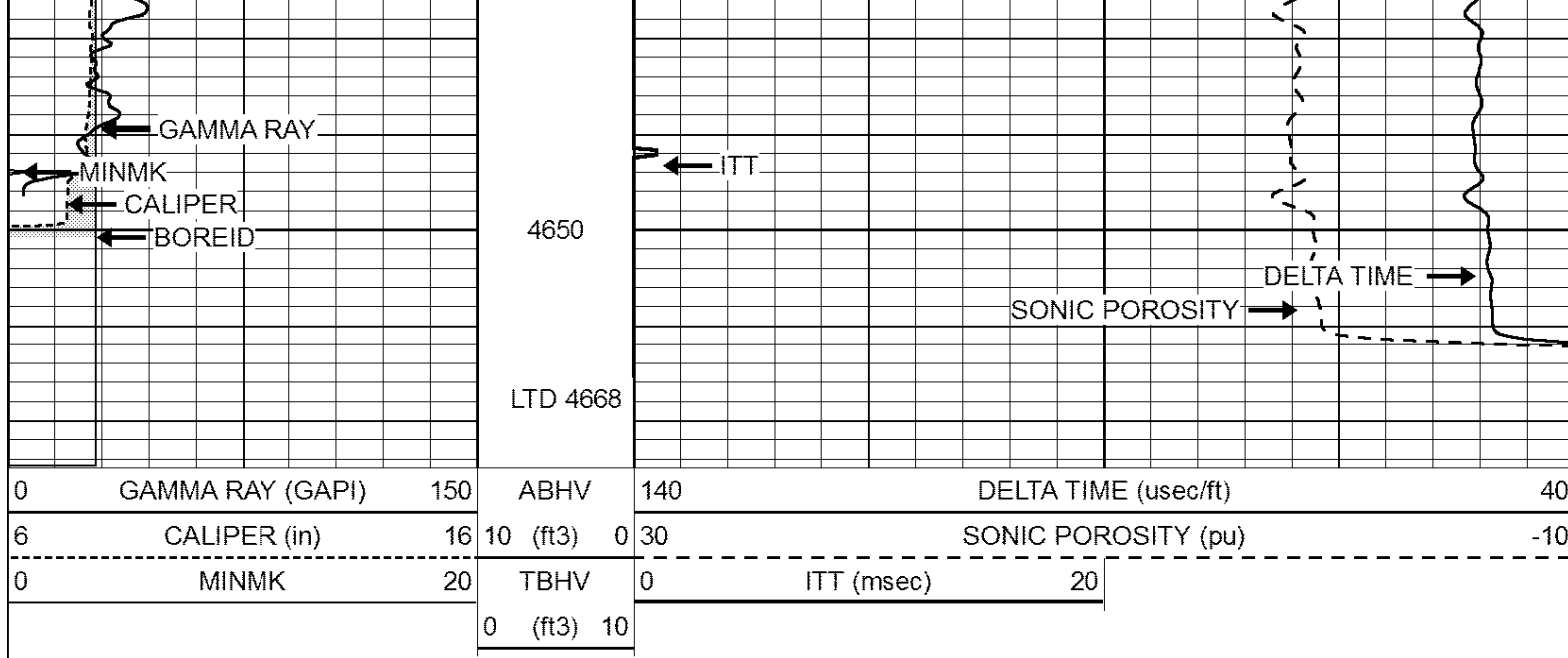
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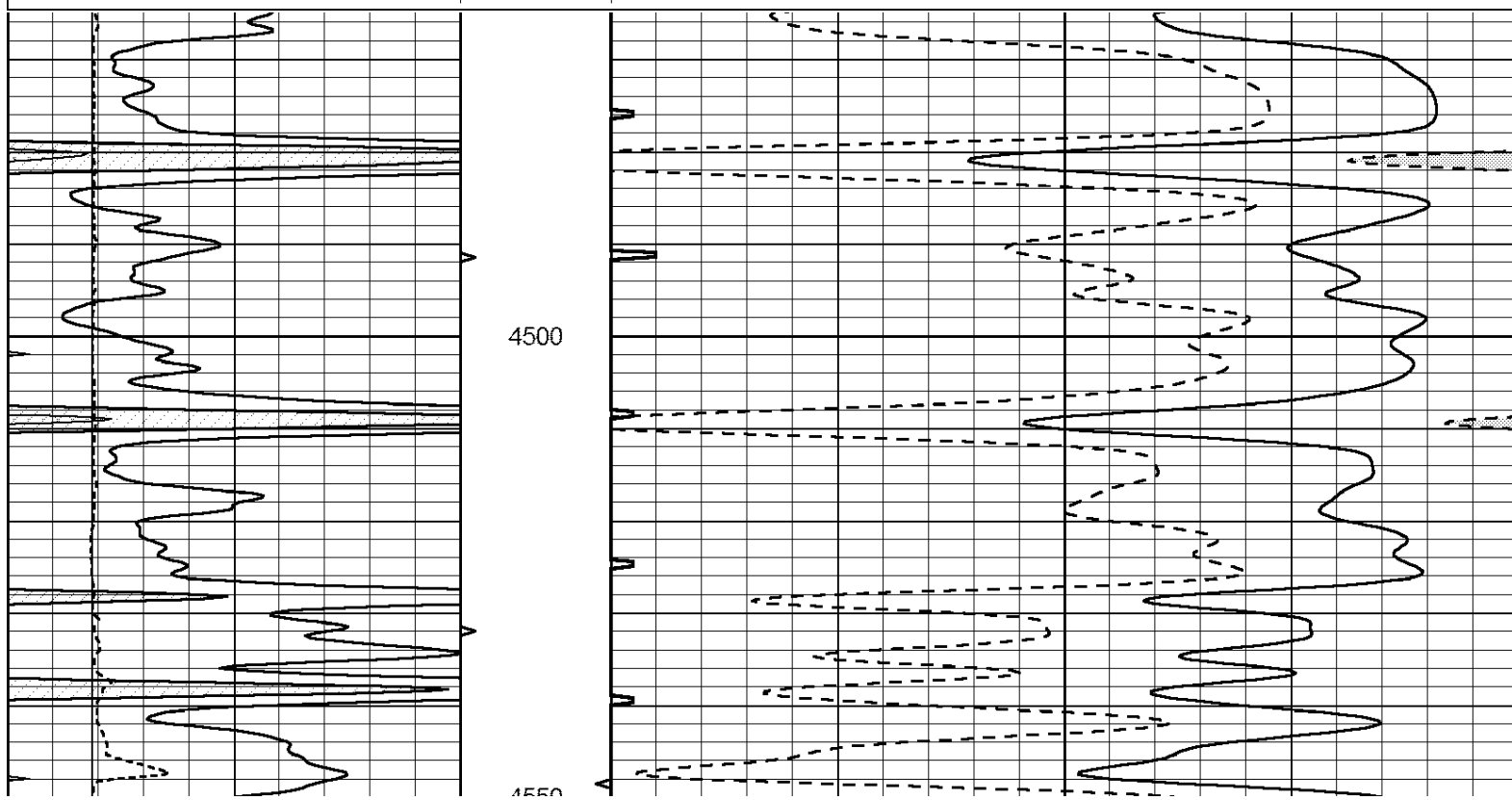
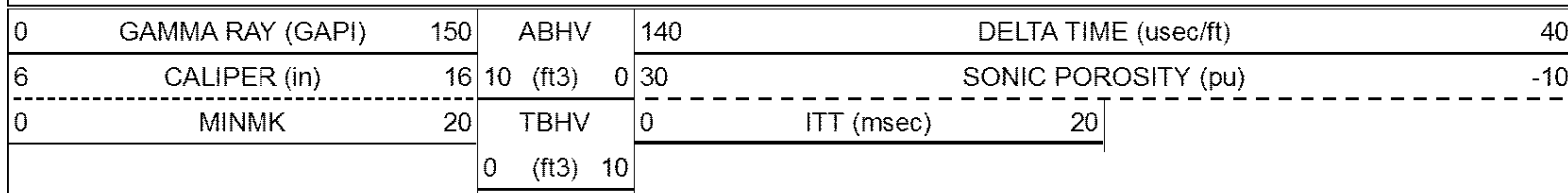


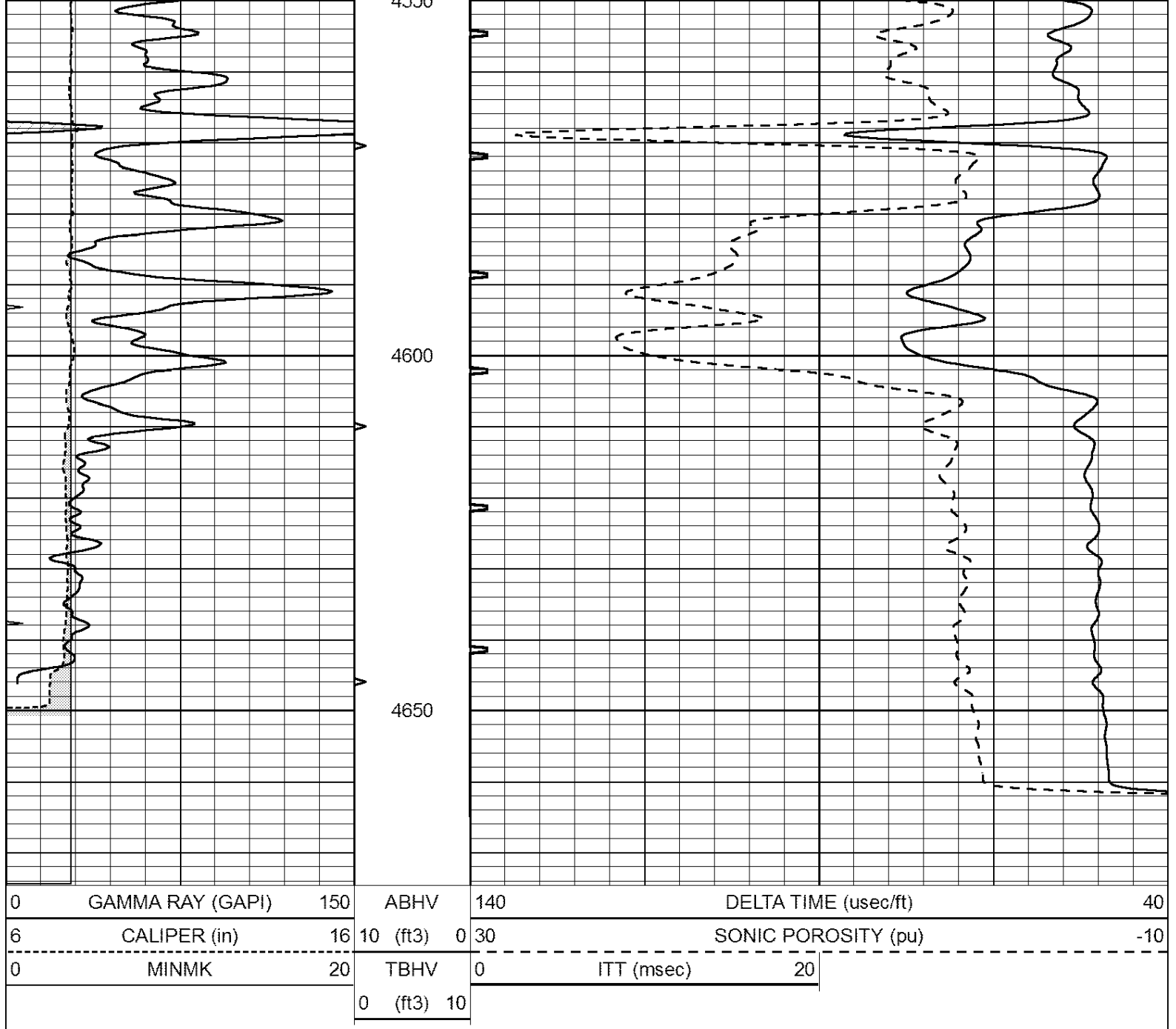




REPEAT SECTION

Database File: 2696pe.db
 Dataset Pathname: pass6.1
 Presentation Format: _slt
 Dataset Creation: Tue Jul 24 10:47:50 2018
 Charted by: Depth in Feet scaled 1:240





Calibration Report			
Database File:	2696pe.db		
Dataset Pathname:	pass6.1		
Dataset Creation:	Tue Jul 24 10:47:50 2018		
MICRO Calibration Report			
Serial Number:	MICRO4		
Tool Model:	PROBE		
Performed:	Thu Jul 05 09:30:00 2018		
Caliper Calibration:	Gain=3.729	Offset=-17.125	
References	Low Cal	High Cal	
Readings	7.000	14.000	
	6.470	8.348	
1.5" Calibration:	Gain=39.297	Offset=-3.175	
References	Low Cal	High Cal	
Readings	0.000	20.000	
	0.012	1.517	

Readings

0.015

1.517

2" Calibration:

Gain=51.168

Offset=-3.264

References
ReadingsLow Cal
0.000
0.015High Cal
20.000
1.180

Gamma Ray Calibration Report

Serial Number:
Tool Model:
Performed:GR5
OPEN
Mon Jul 02 20:05:37 2018

Calibrator Value:

1.0

GAPI

Background Reading:
Calibrator Reading:0.0
1.0cps
cps

Sensitivity:

0.9500

GAPI/cps