

SONIC LOG

Company	LYNN PACKARD		
Well	PACKARD #1-15		
Field	MINGONA		
County	BARBER		
State	KANSAS		
Location:	API # : 15-007-24331-00-00		
Permanent Datum	800' FSL & 1650' FWL		
Log Measured From	GROUND LEVEL Elevation 1661'		
Drilling Measured From	KELLY BUSHING 12' A.G.L. KELLY BUSHING		
SEC 15	TWP 31S	RGE 13W	Other Services CDL/CNL/DIL MEL
Date	07/02/18		Elevation K.B. 1673 D.F. 1671 G.L. 1661
Run Number	TWO		
Depth Driller	4716		
Depth Logger	4717		
Bottom Logged Interval	4708		
Top Log Interval	00		
Casing Driller	8 5/8" @ 224		
Casing Logger	224		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3000 PPM	
Density / Viscosity	9.5/60		
pH / Fluid Loss	11.5/9.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.70@88		
Rmt @ Meas. Temp	.53@88		
Rmc @ Meas. Temp	1.20@88		
Source of Rmt / Rmc	MEASURED		
Rm @ BHT	.50@122		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	///		
Maximum Recorded Temperature	122F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	ROGER MARTIN	LYNN PACKARD	

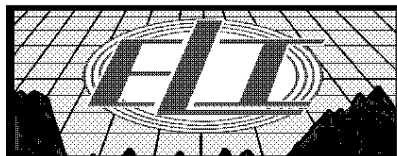
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on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

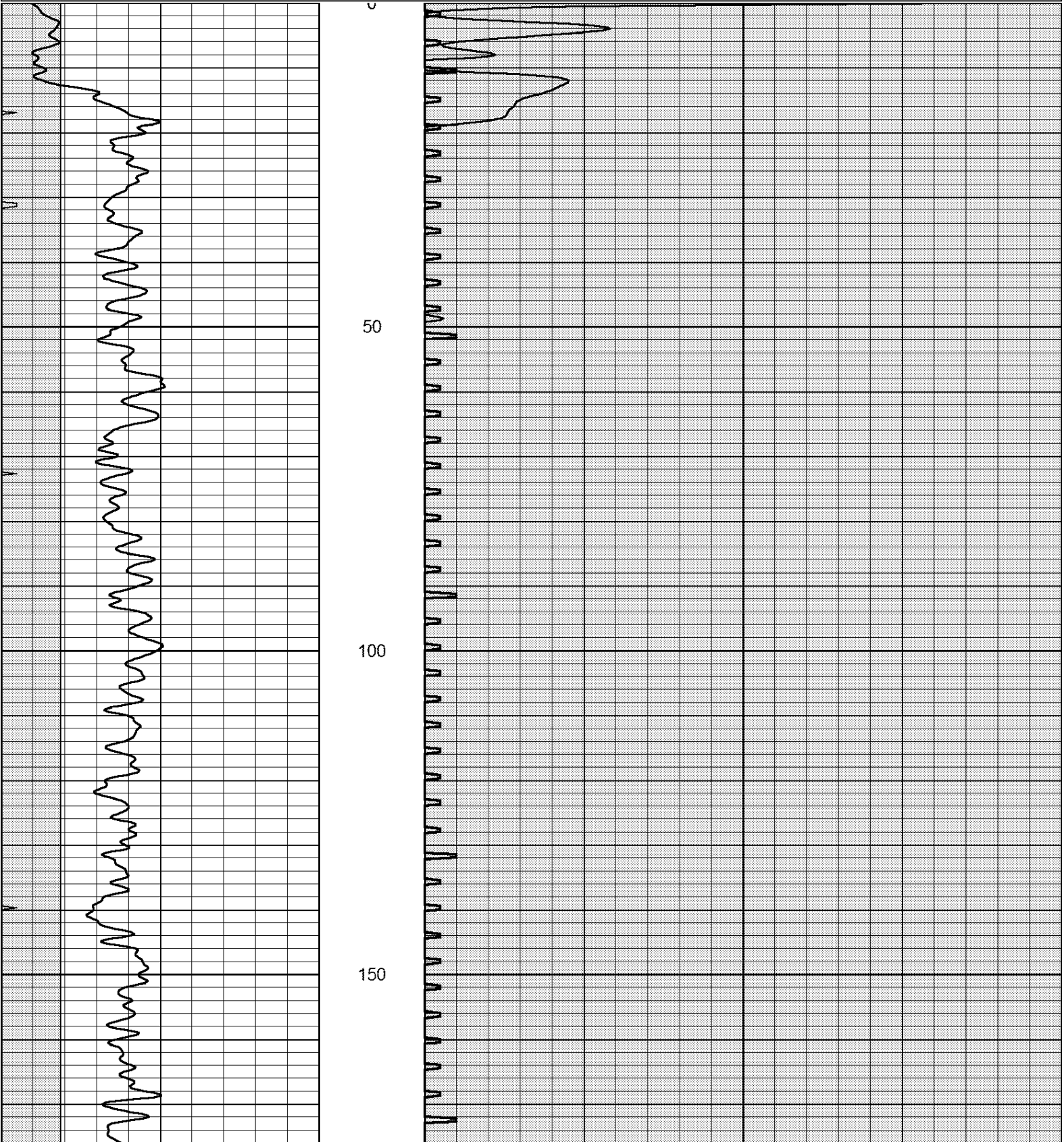
DIRECTIONS
MEDICINE LODGE WEST ON SUN CITY RD. 9 MILES
NORTH INTO.

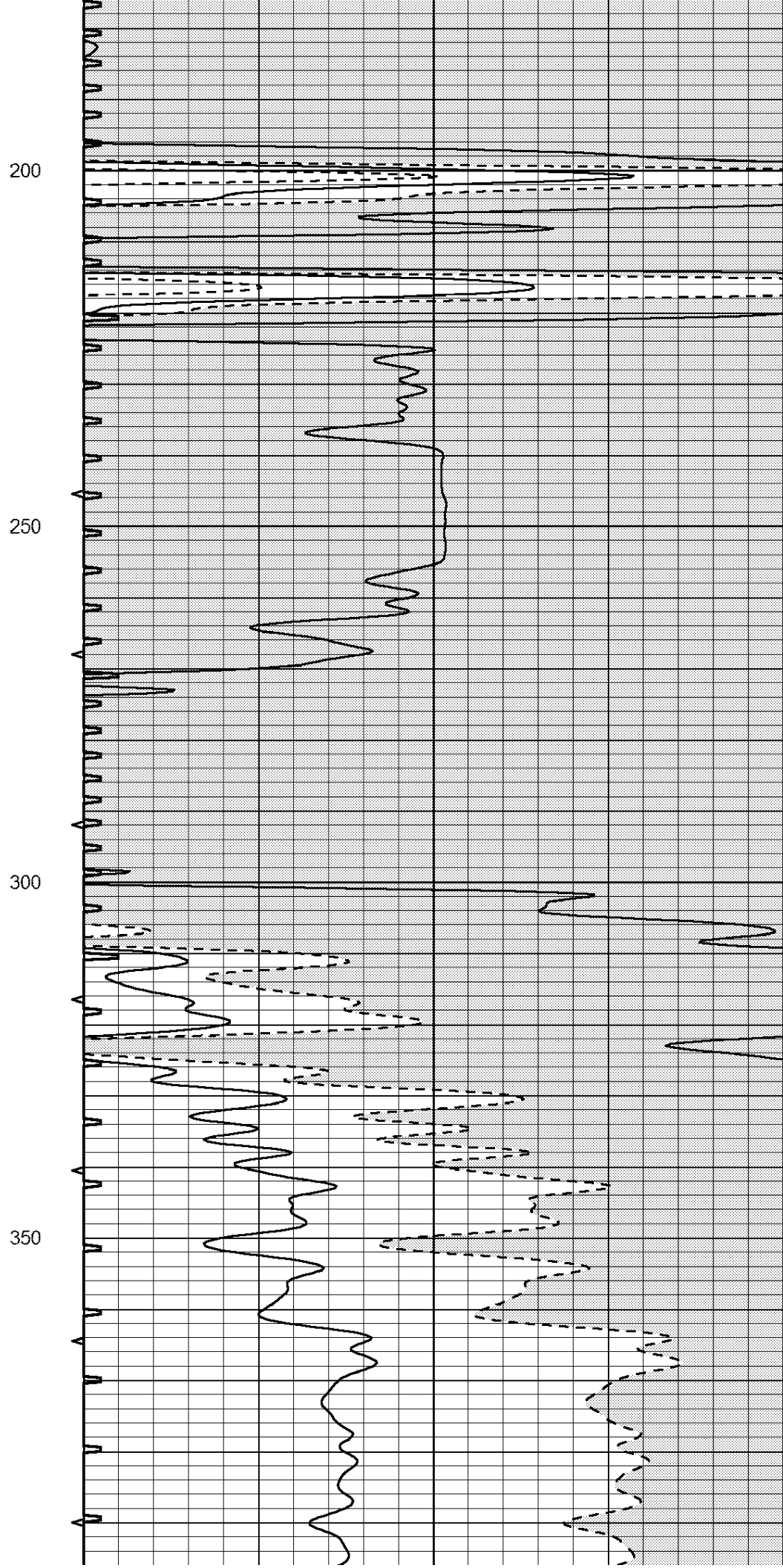
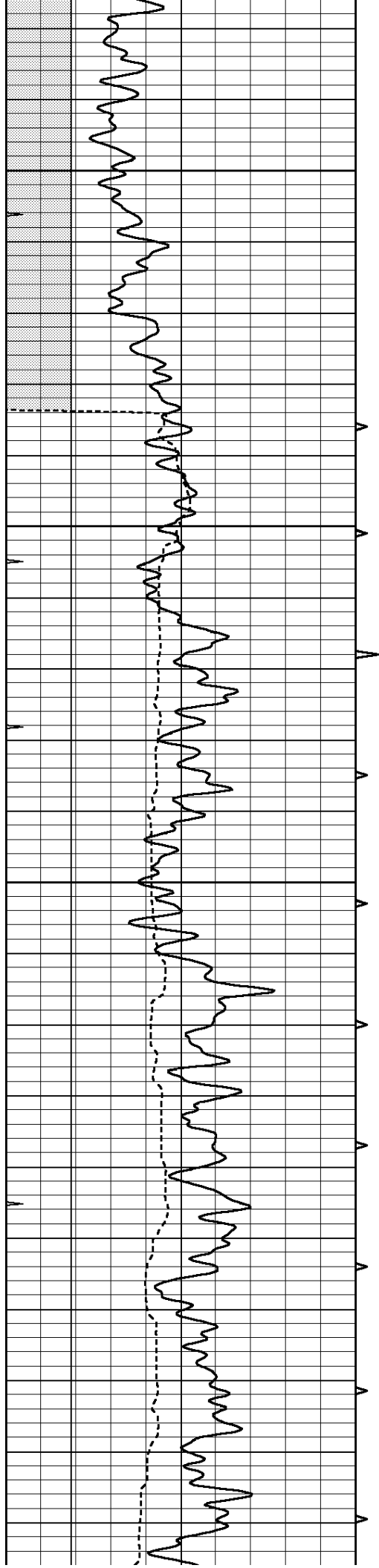


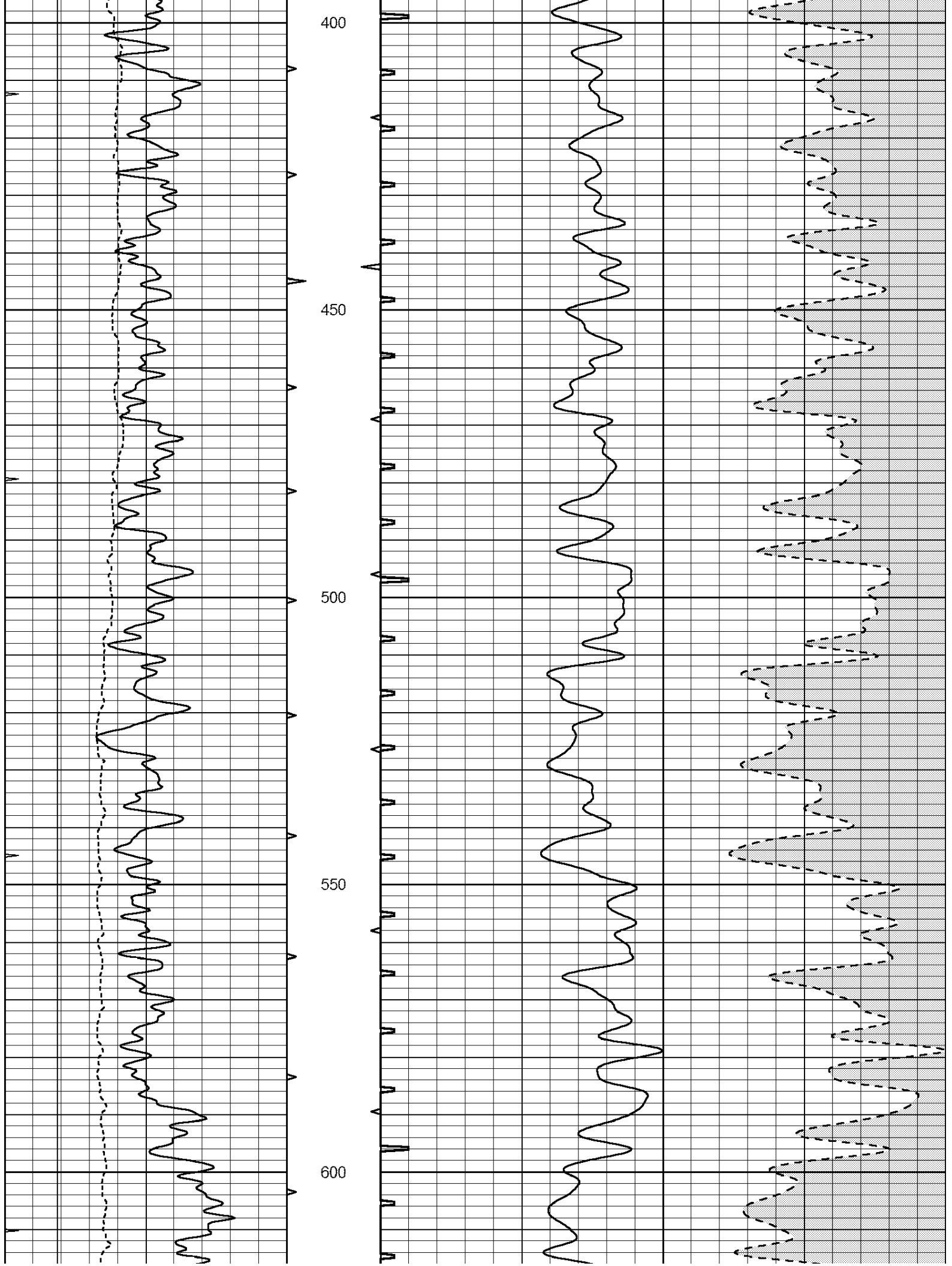
MAIN PASS

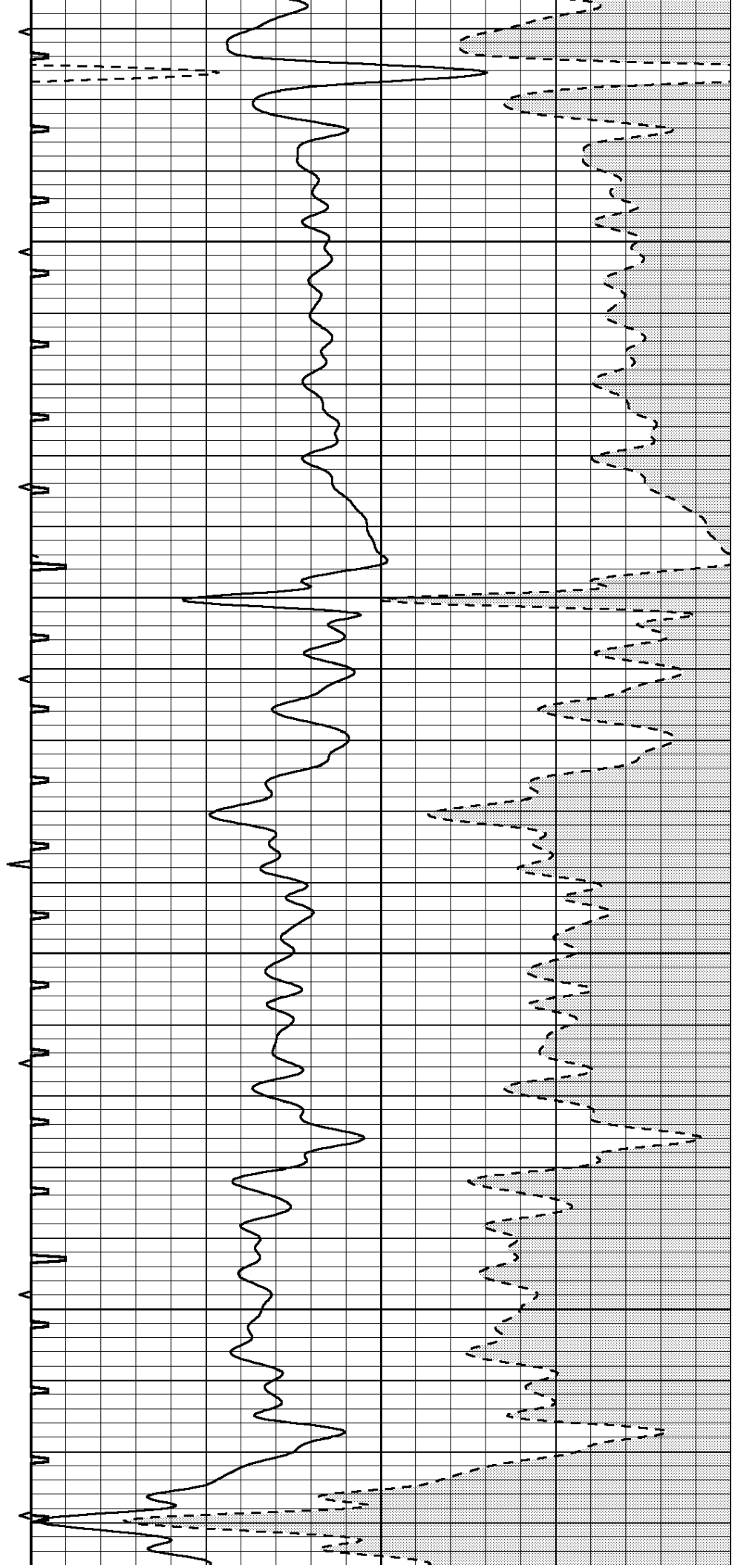
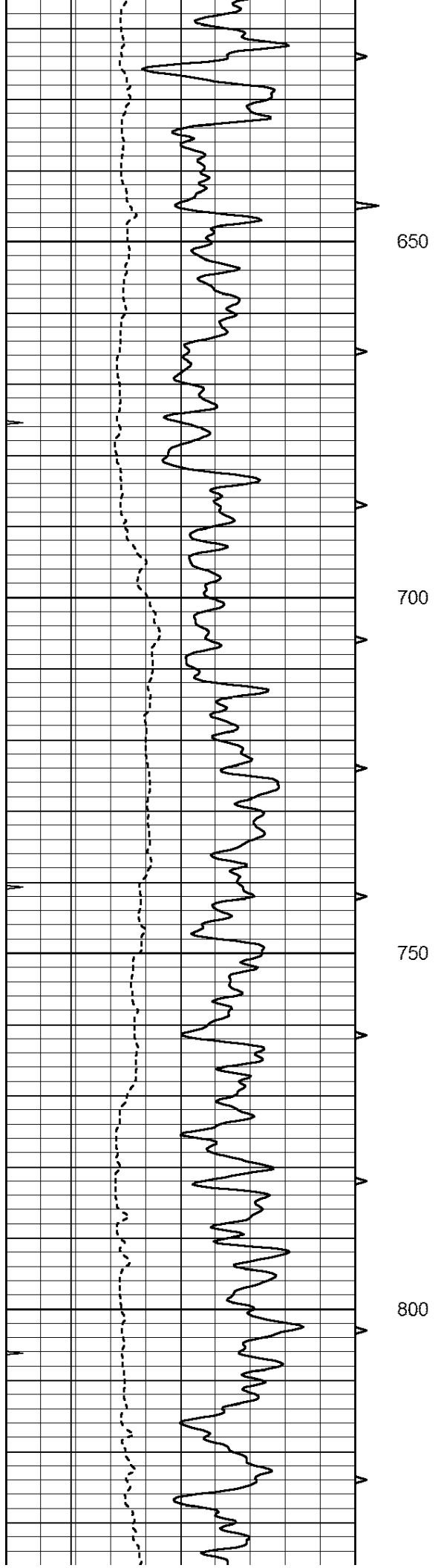
Database File: 2688ddn.db
Dataset Pathname: pass8
Presentation Format: _slt
Dataset Creation: Mon Jul 02 21:09:57 2018 by Log Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

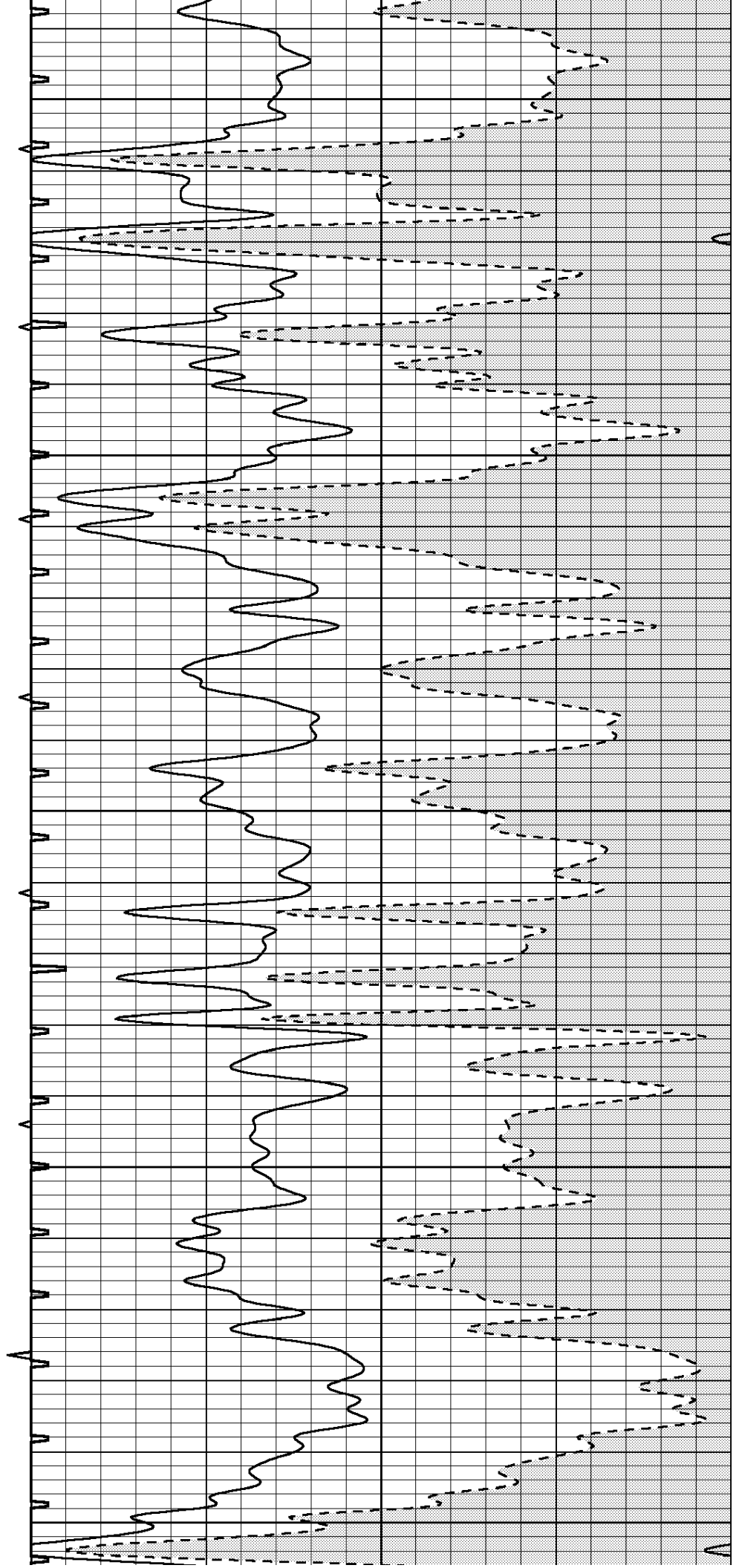
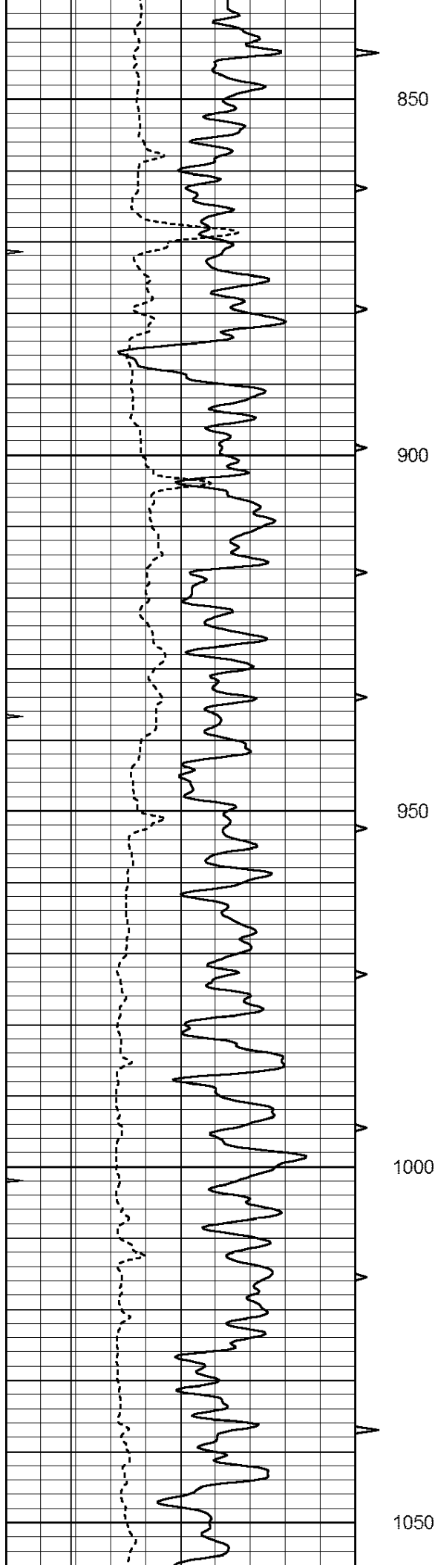
0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40
6	CALIPER (in)	16	10 (ft3) 0	30	SONIC POROSITY (pu)	-10
0	MINMK	20	TBHV	0	ITT (msec)	20
			0 (ft3) 10			

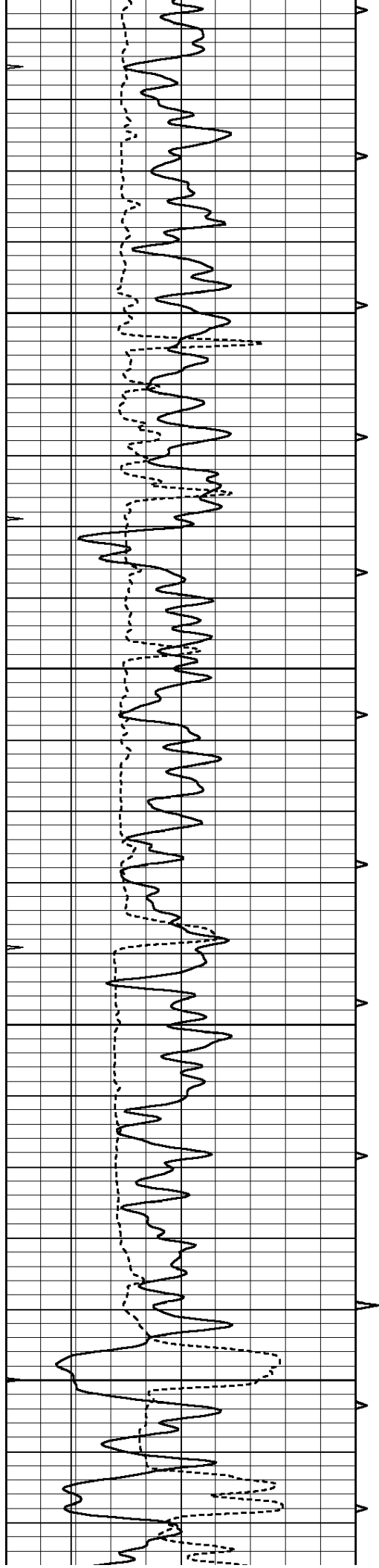










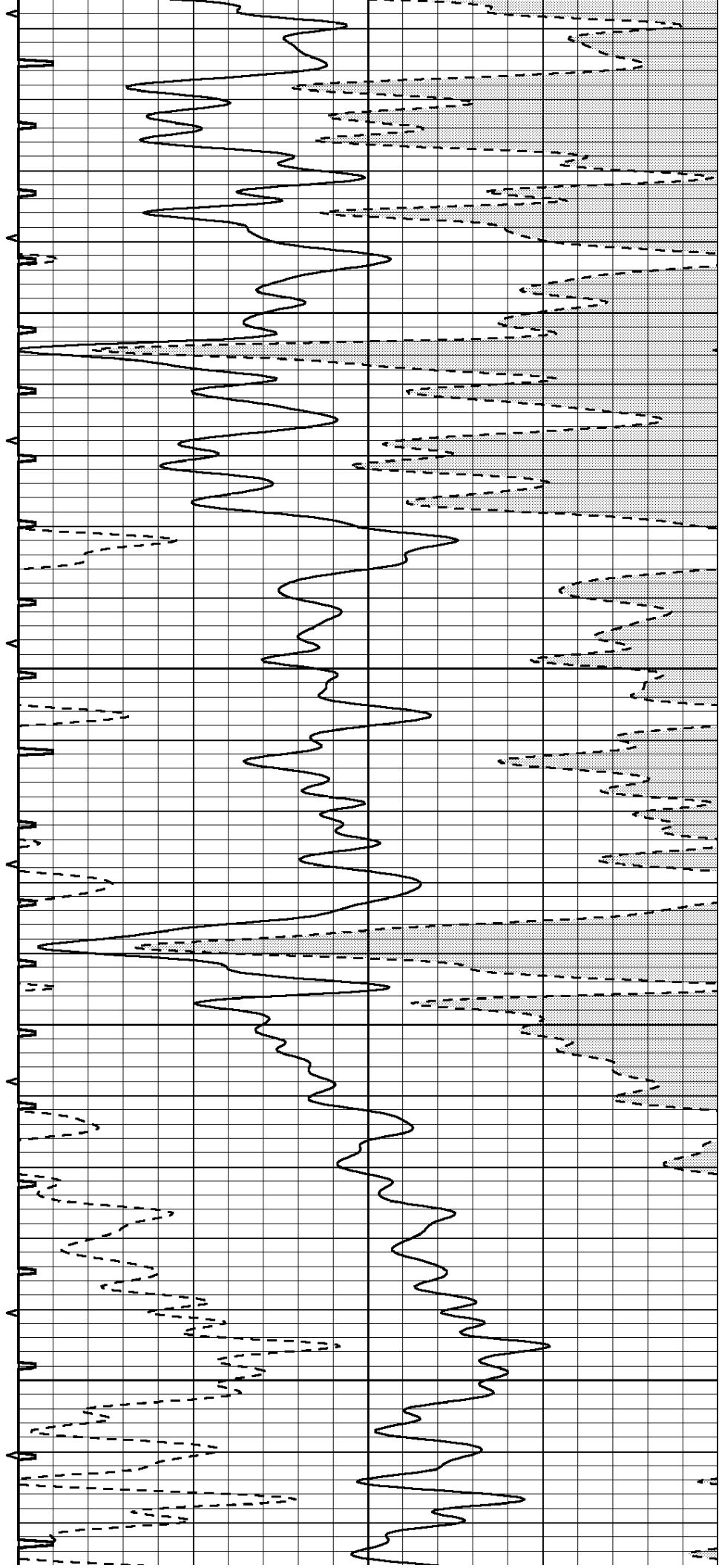


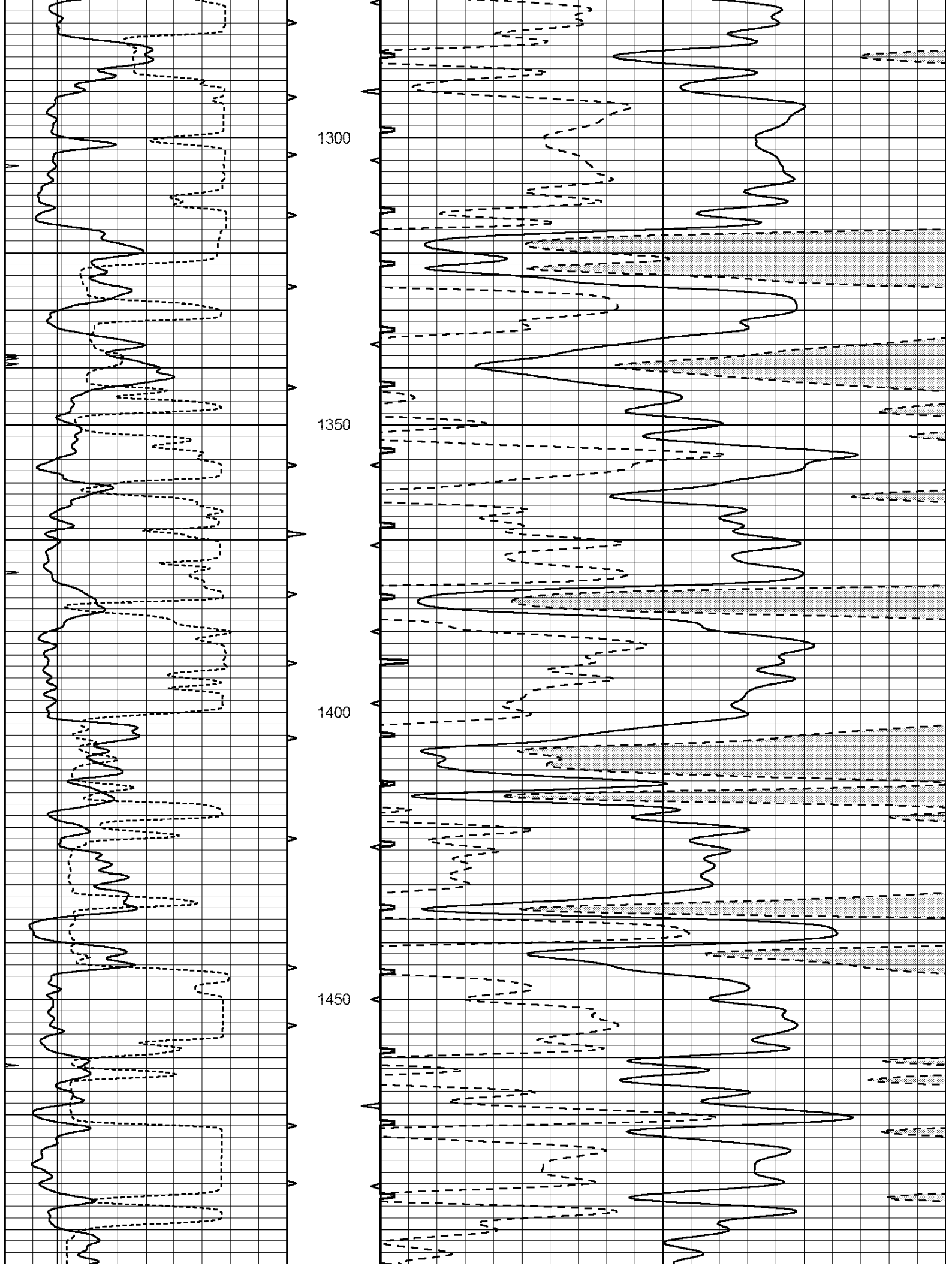
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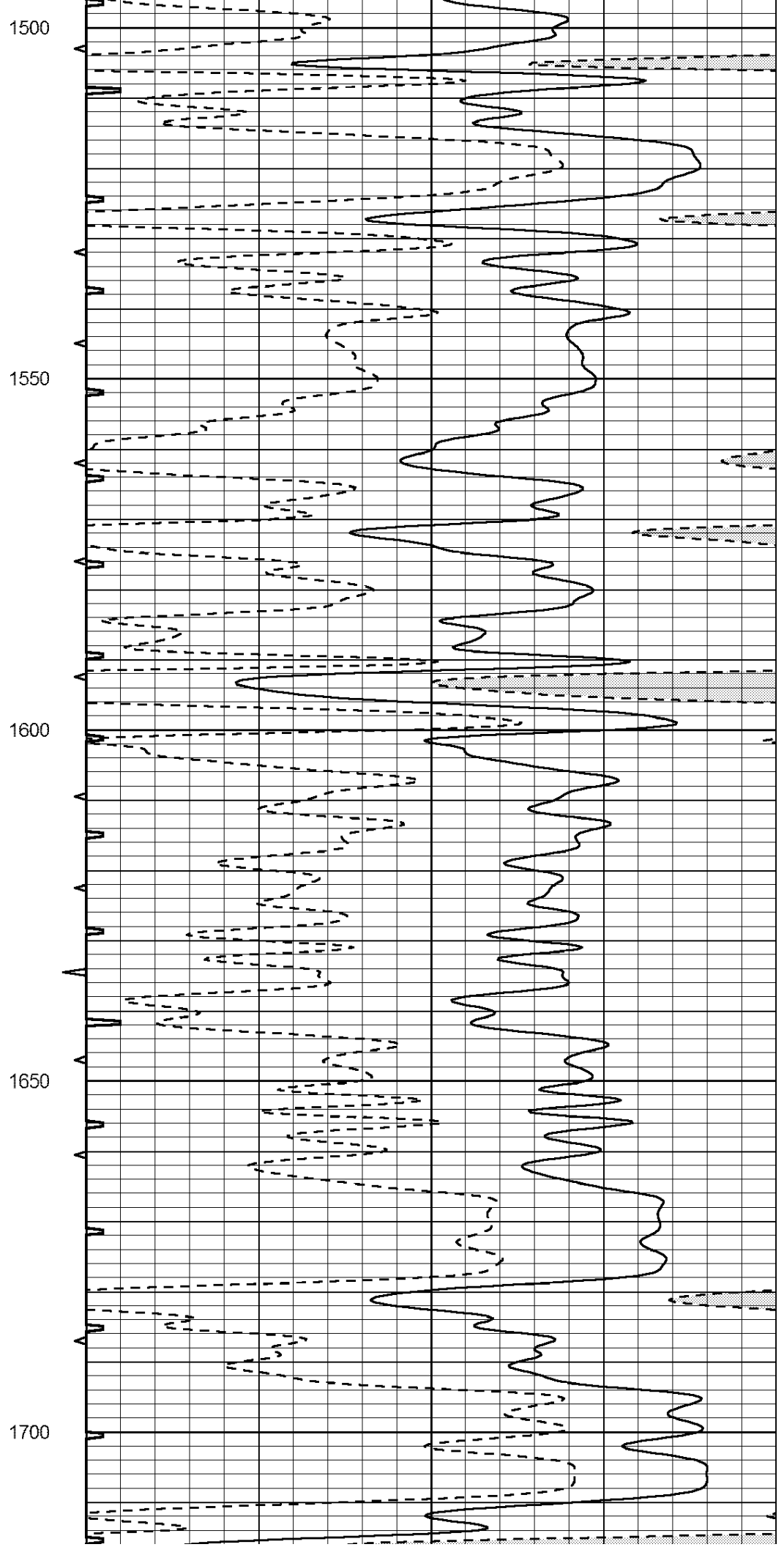
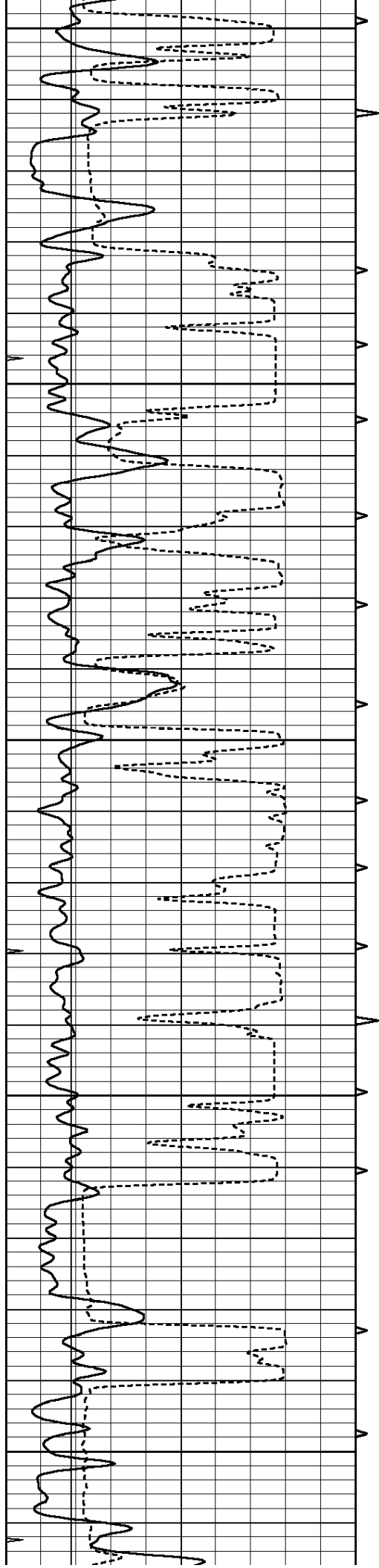
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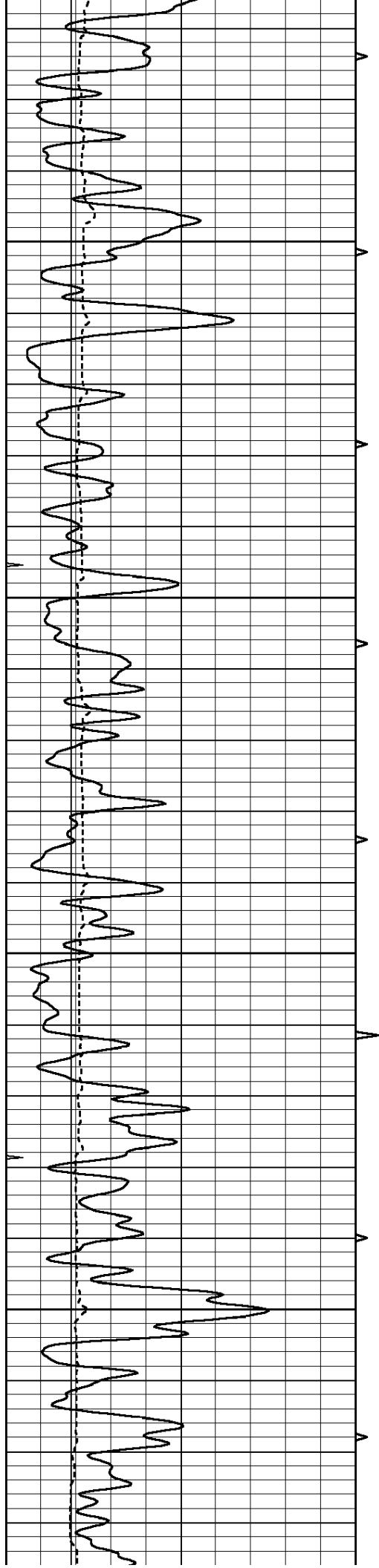
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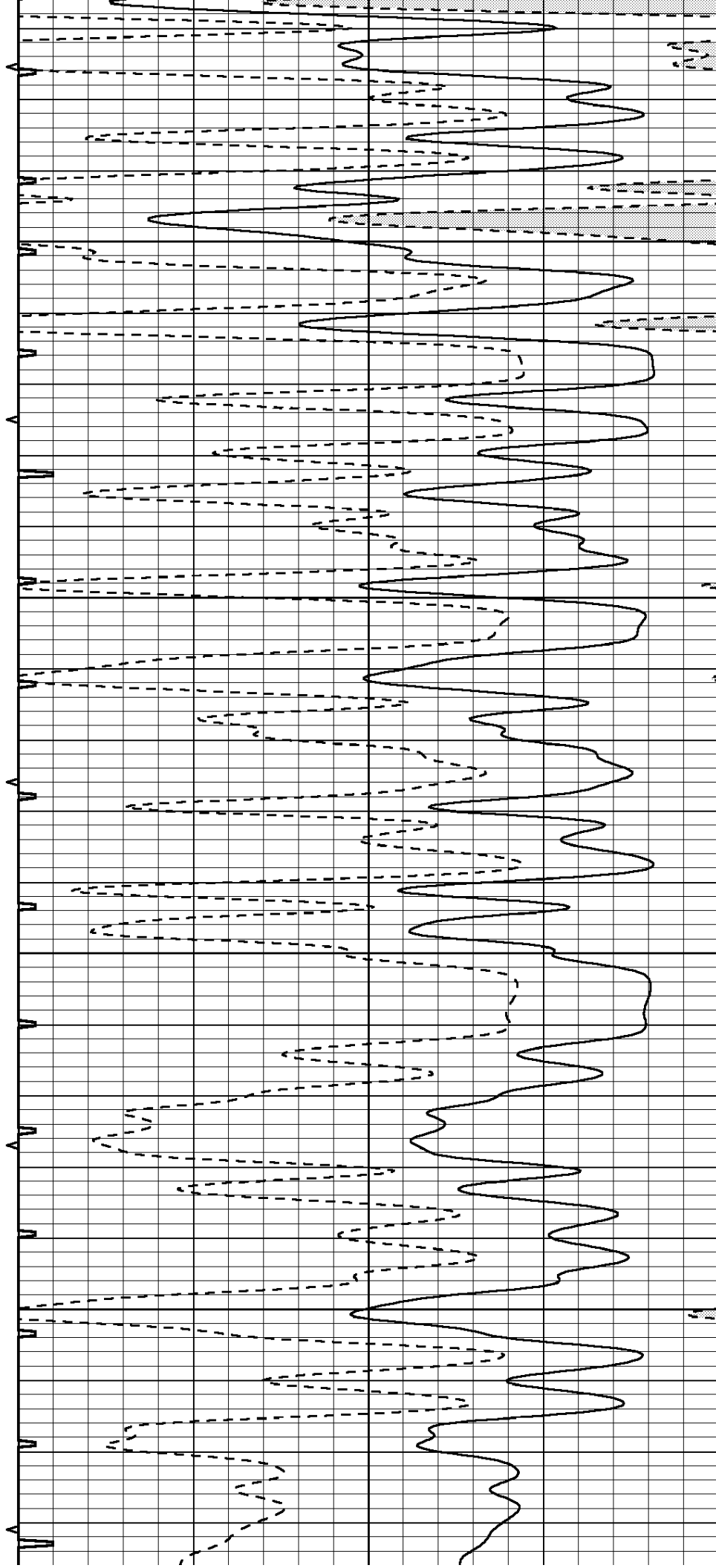


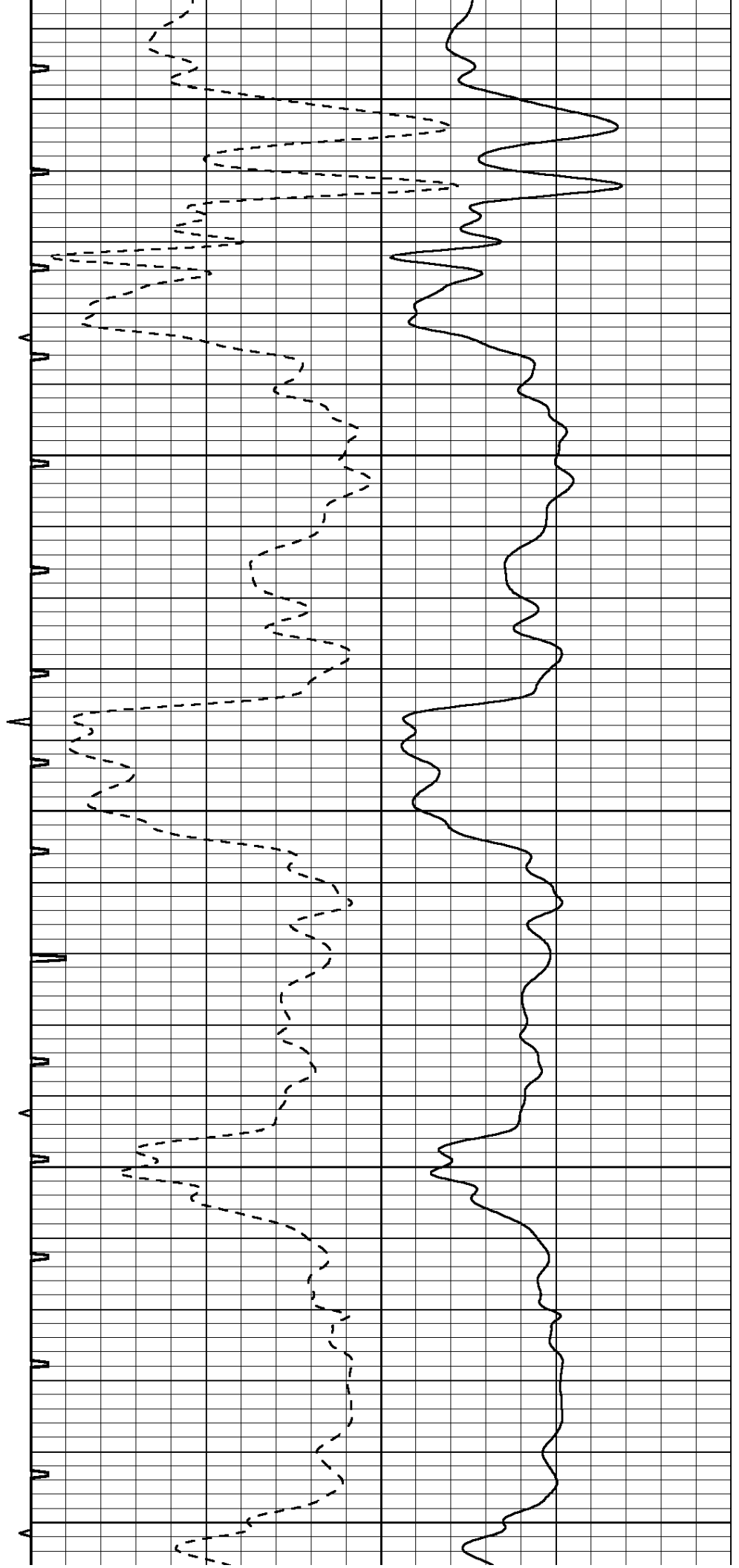
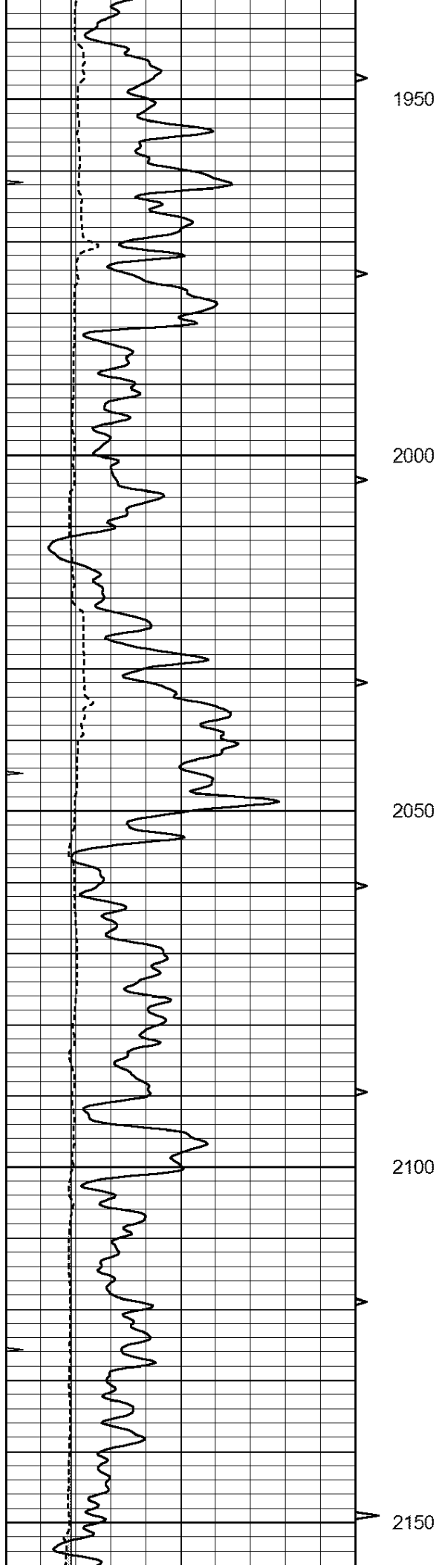
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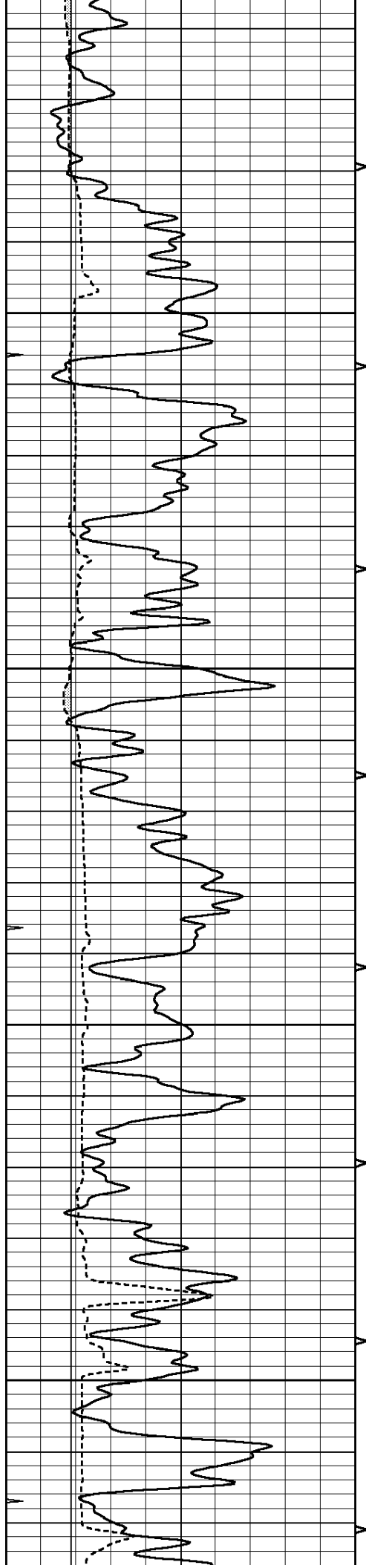
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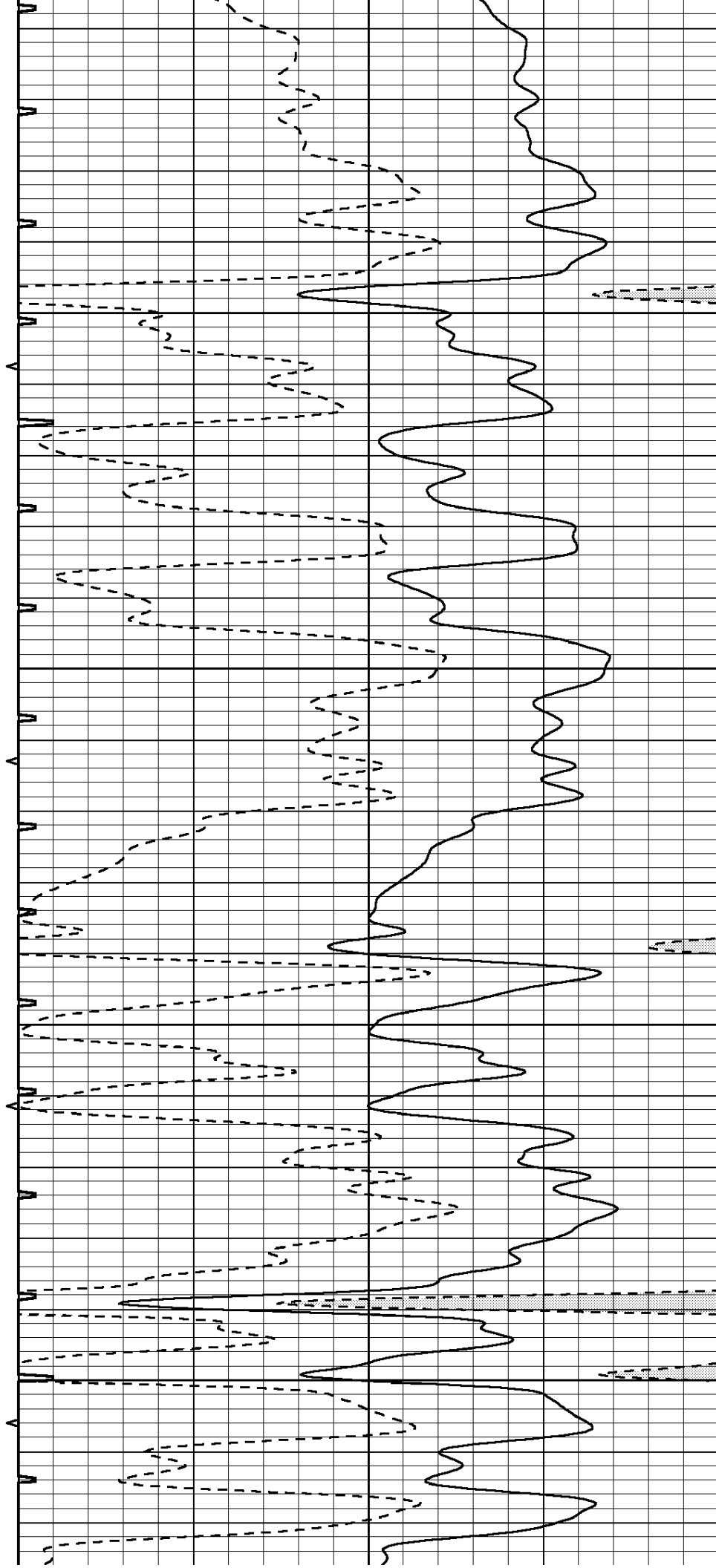


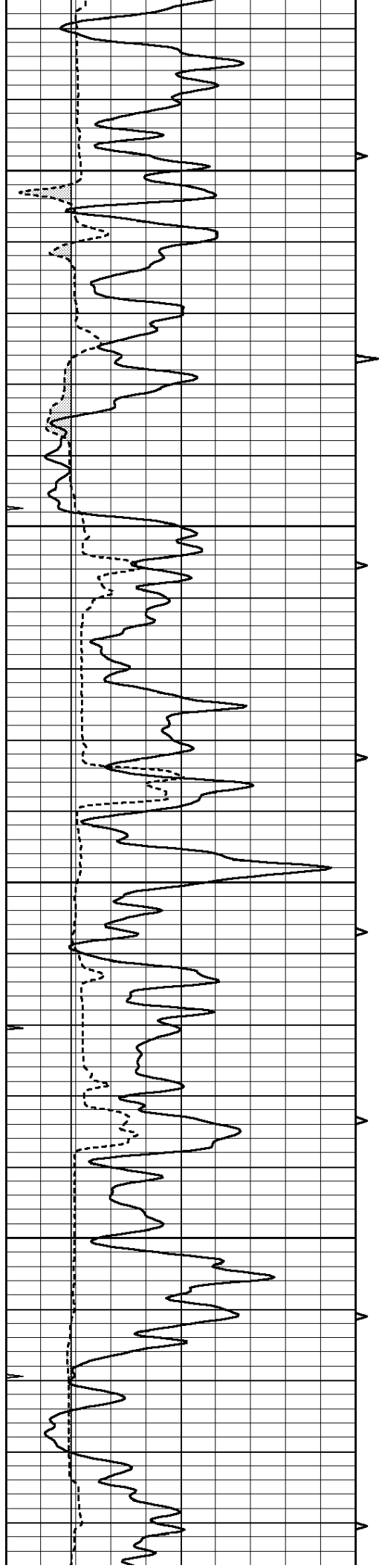
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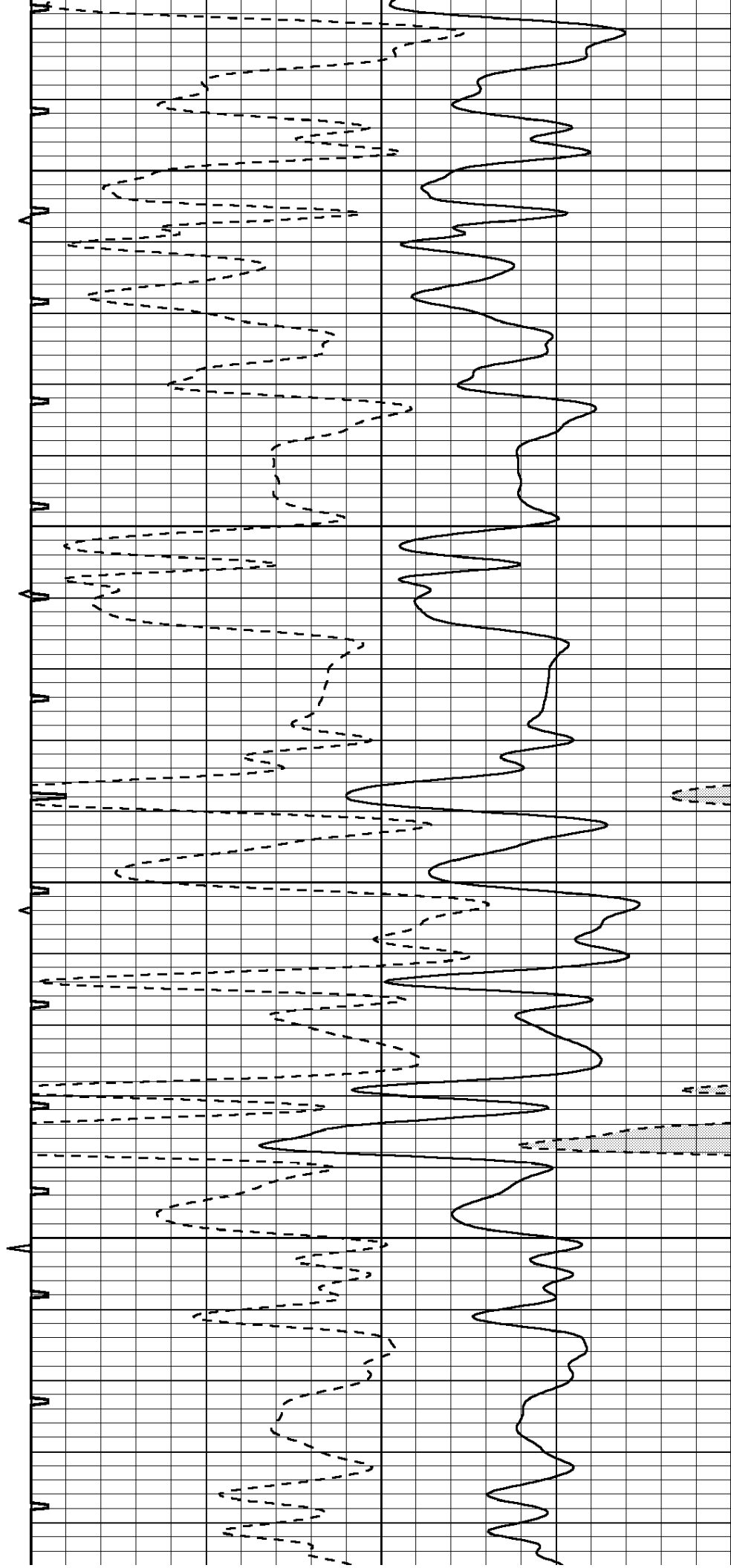


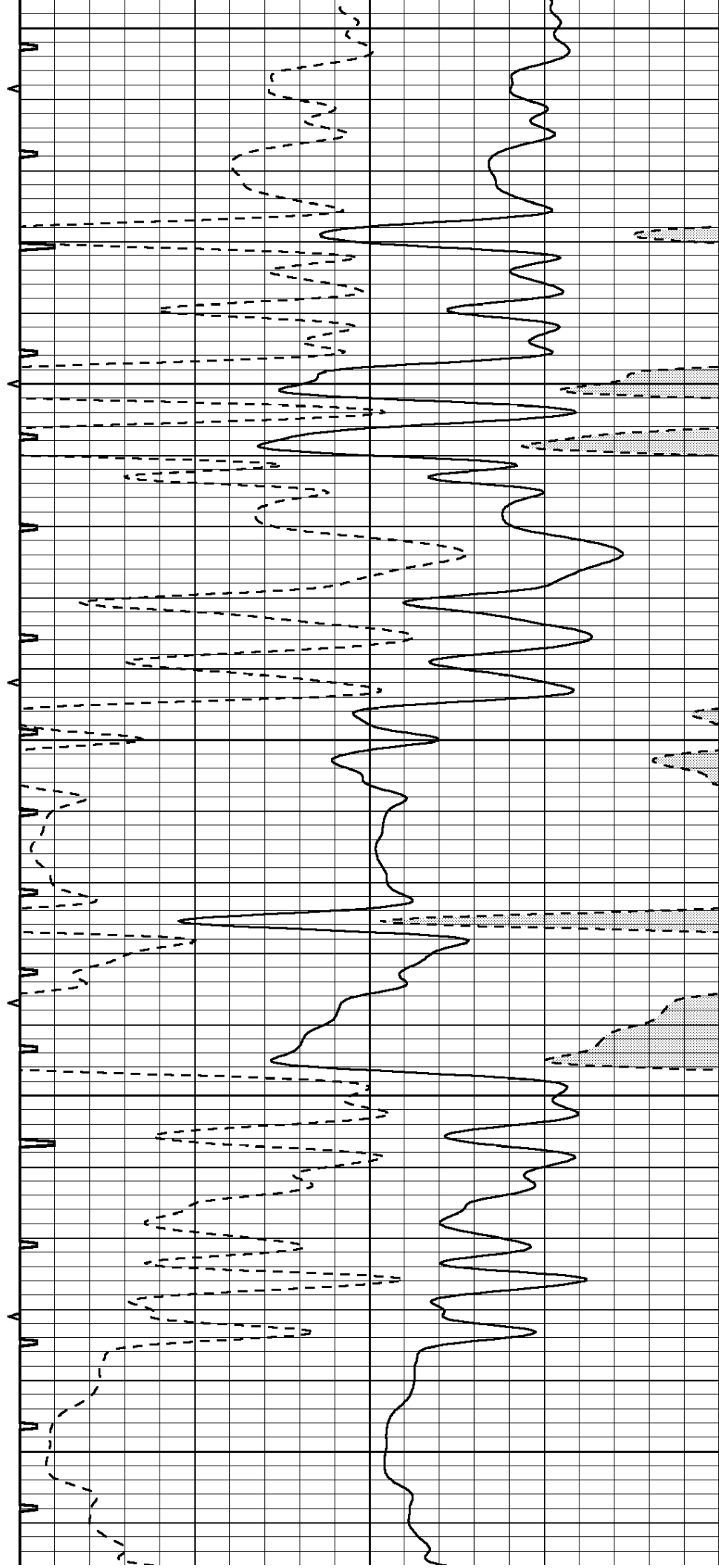
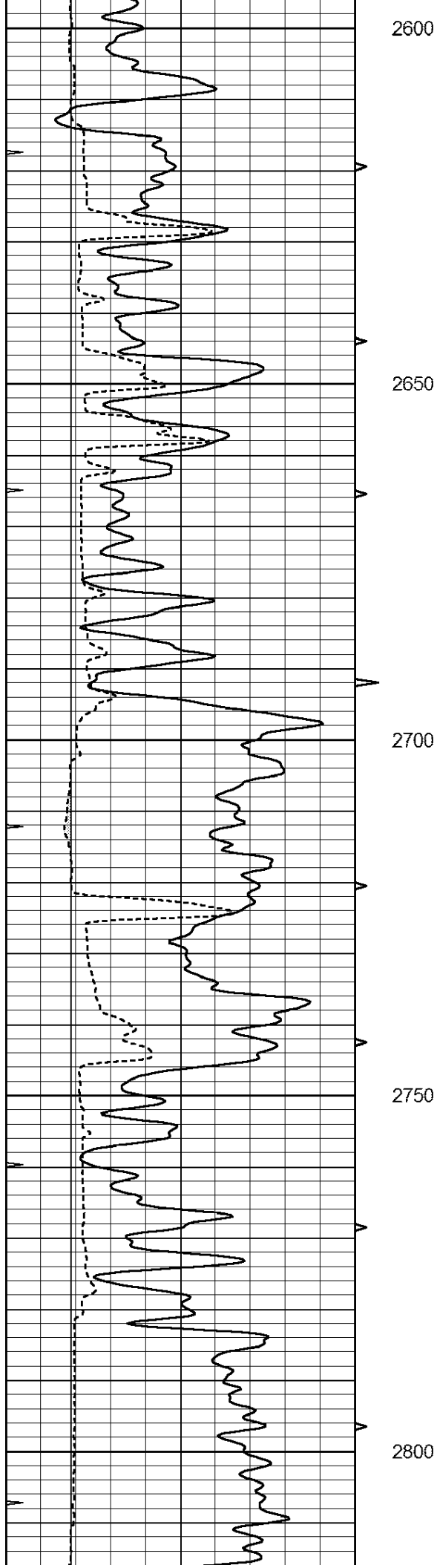
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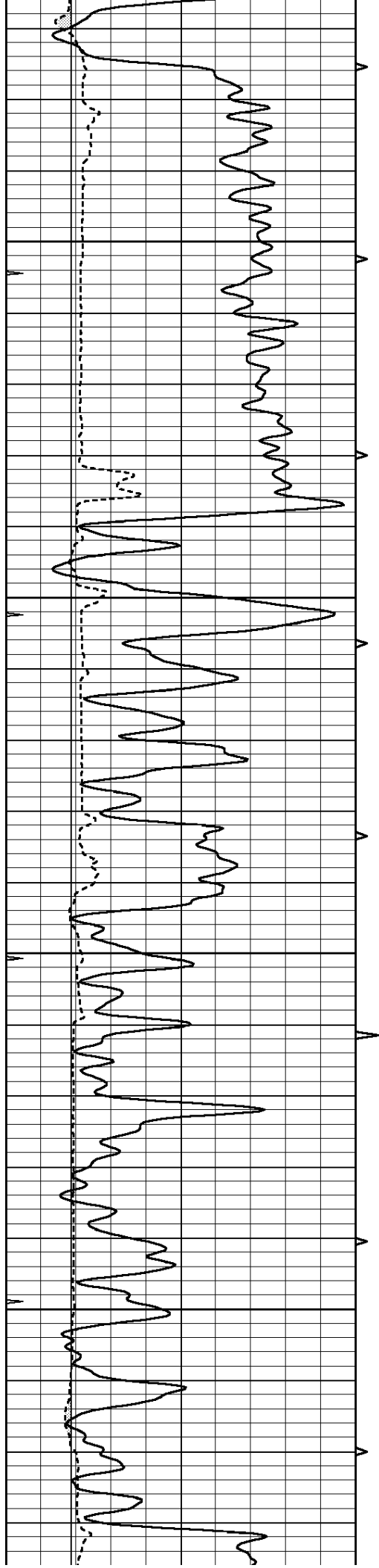
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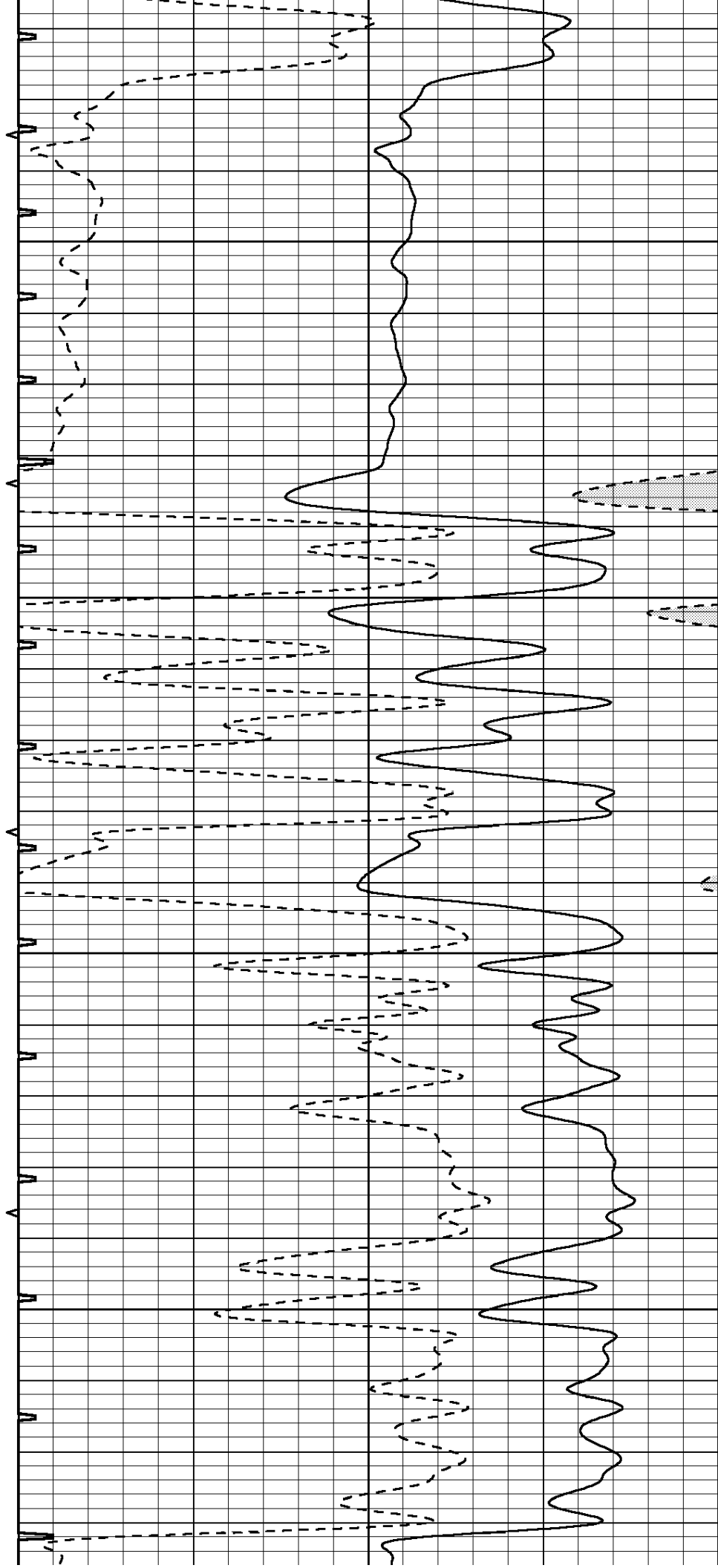


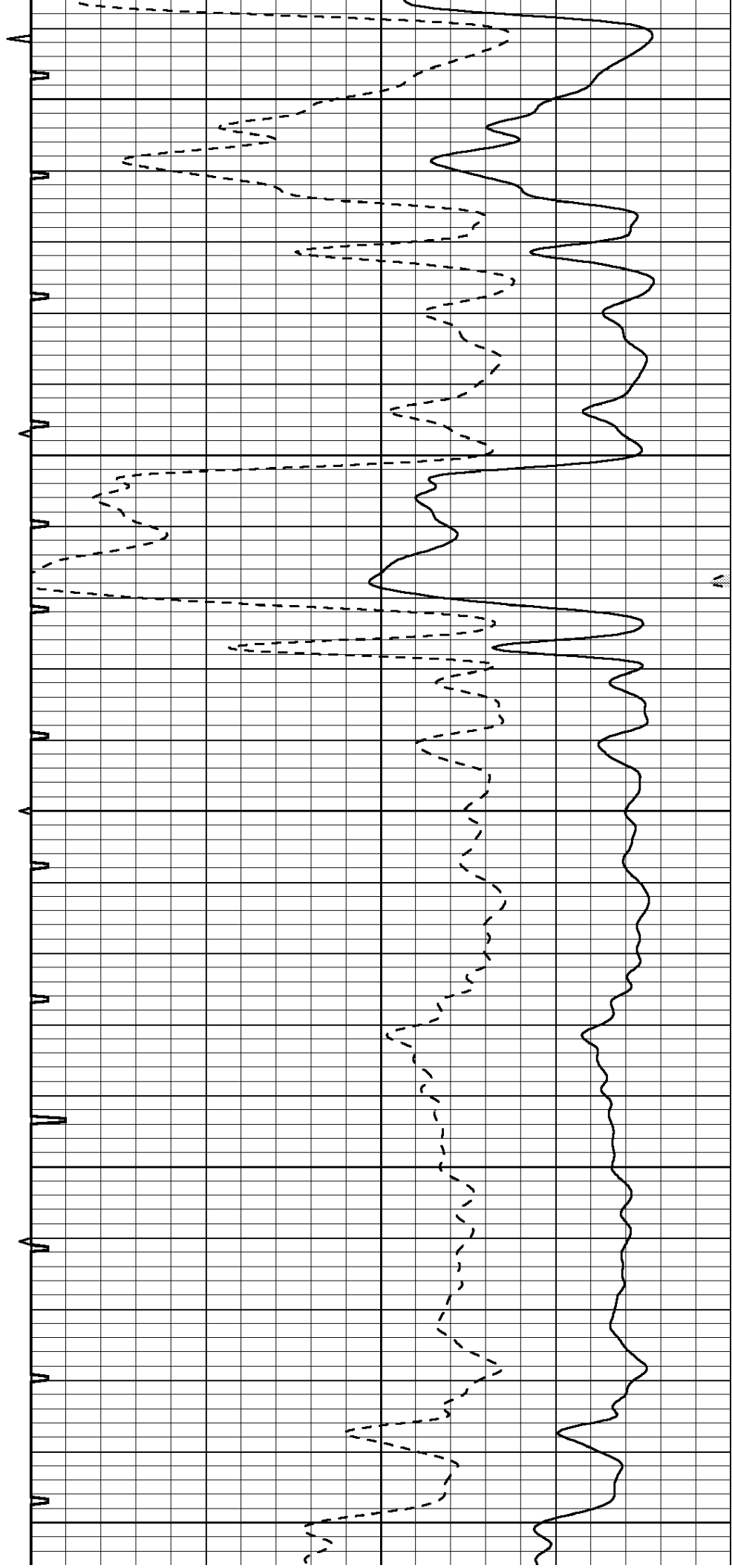
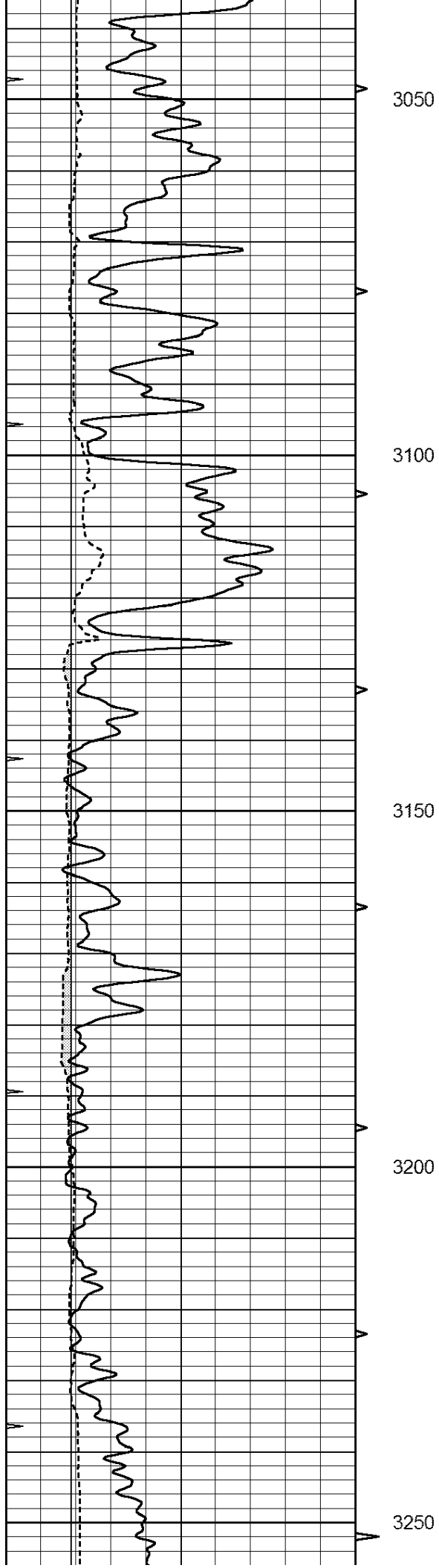
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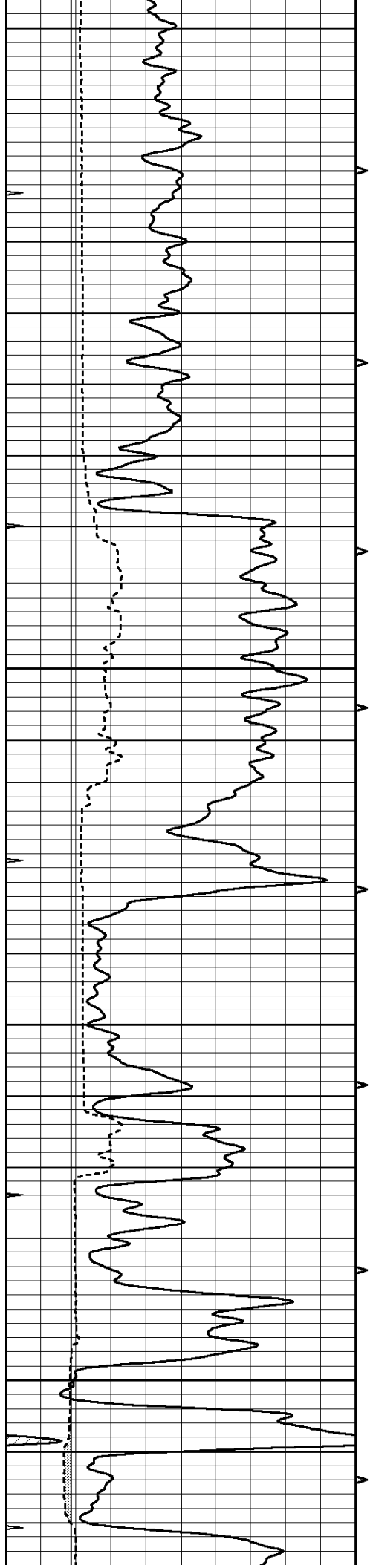
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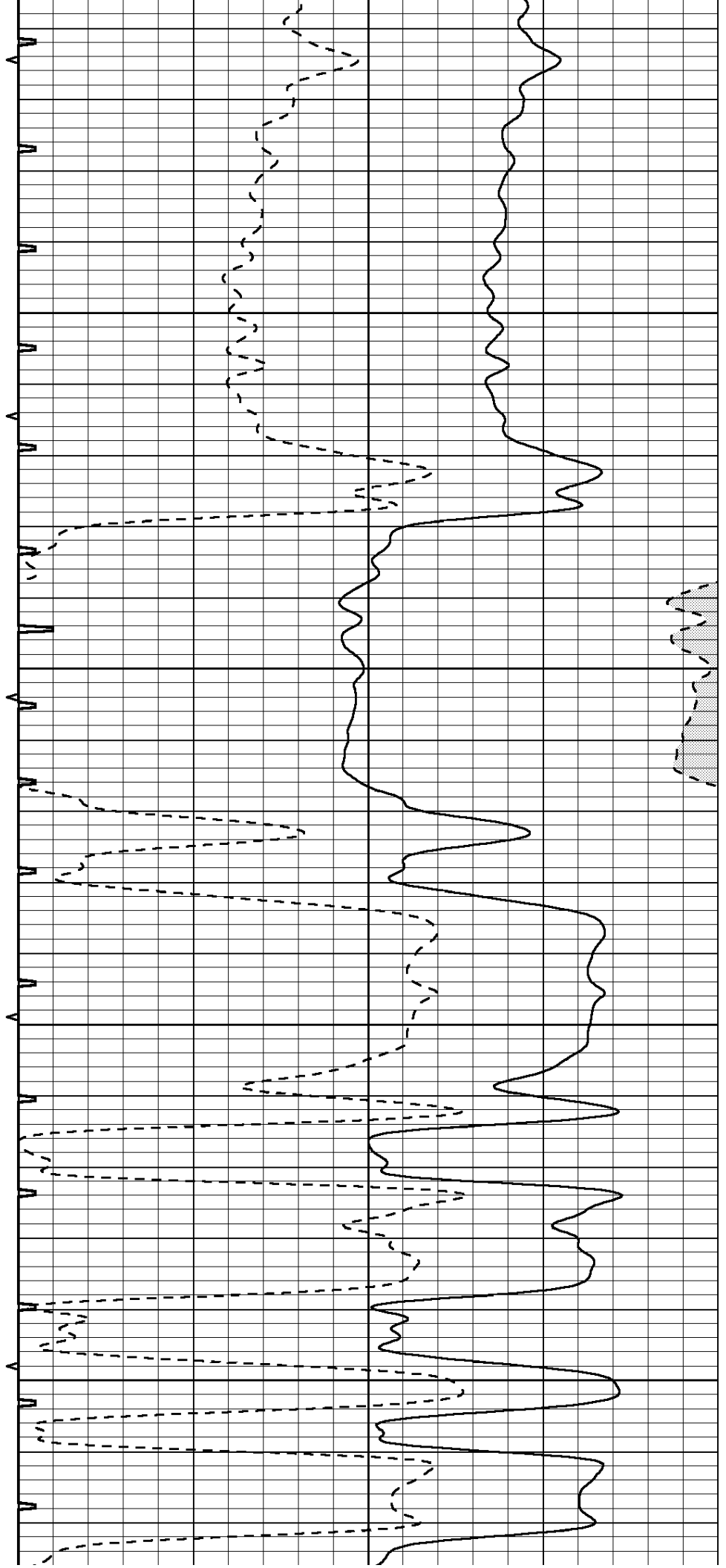


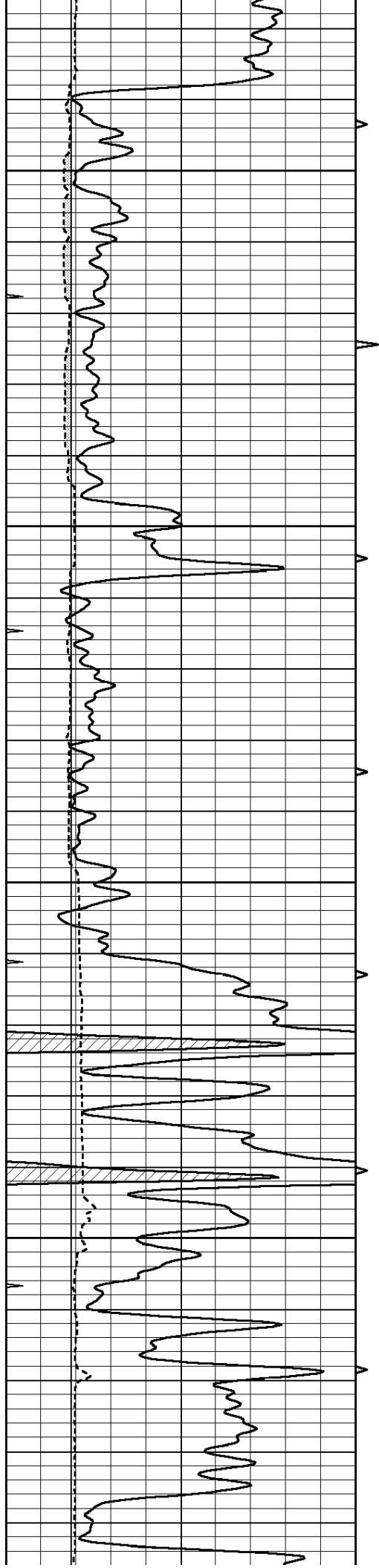
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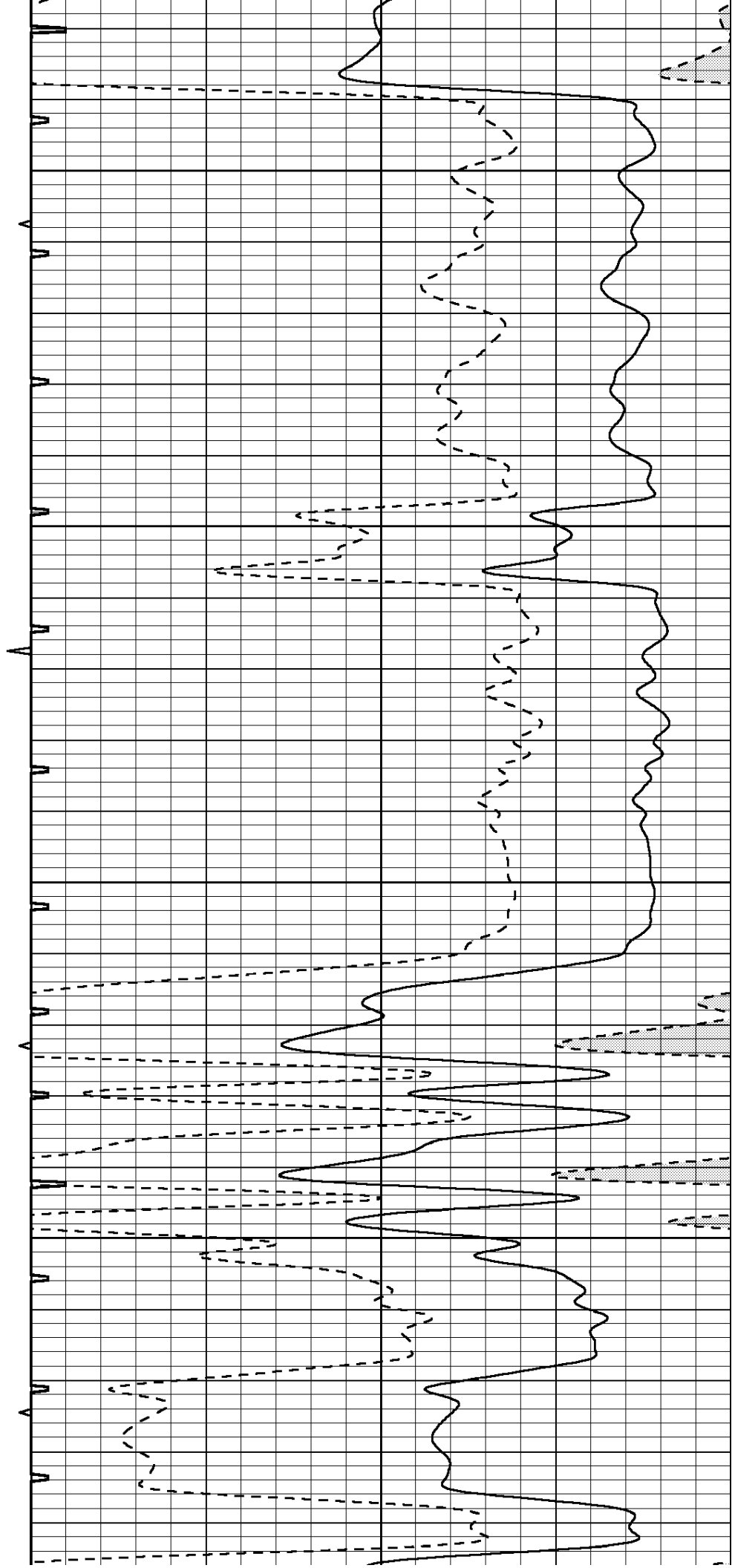


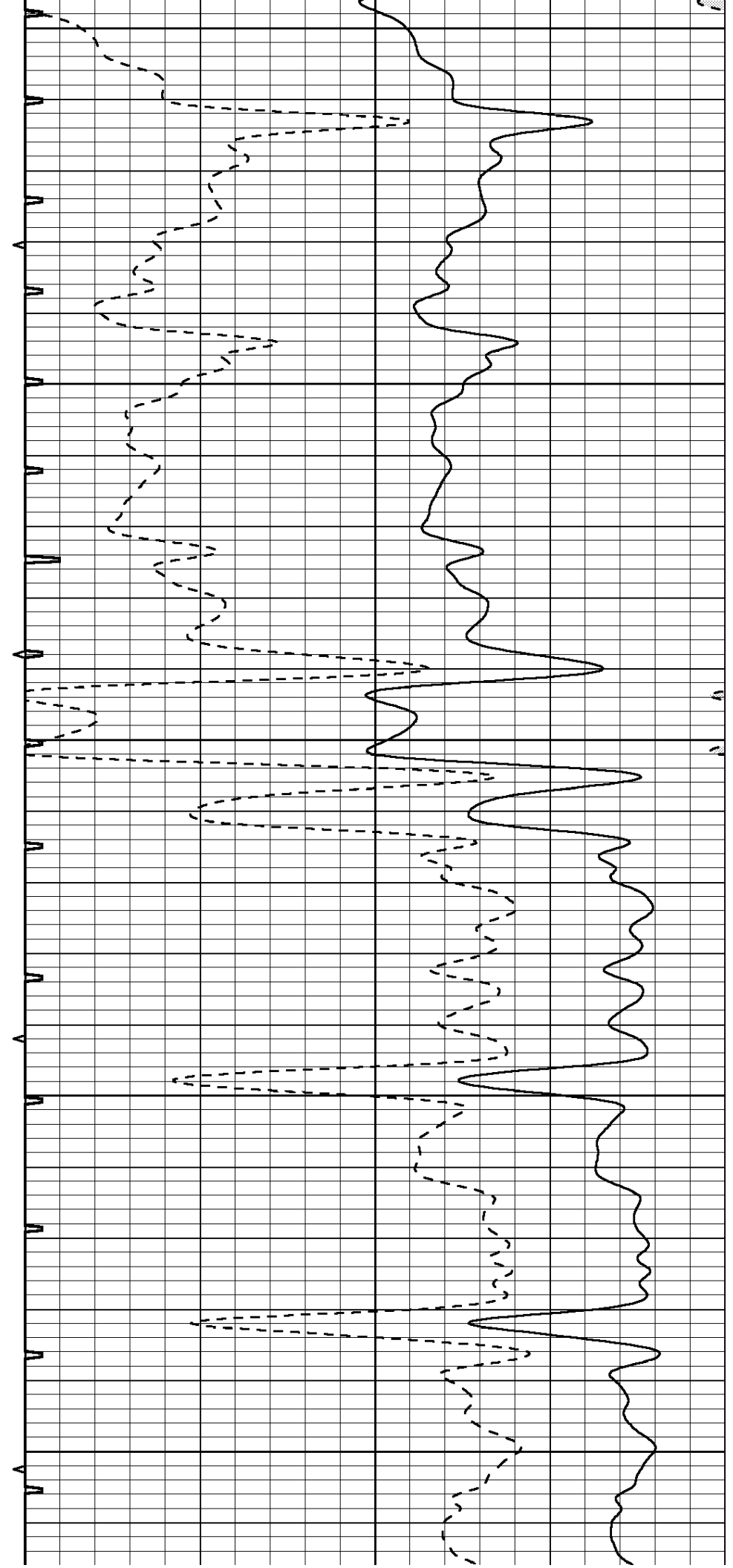
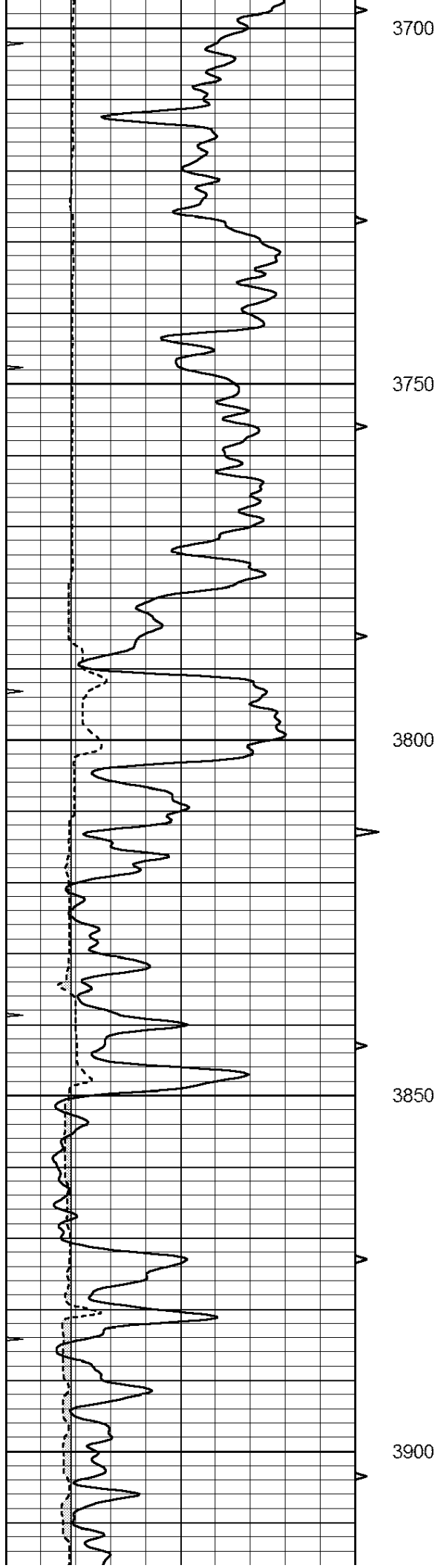
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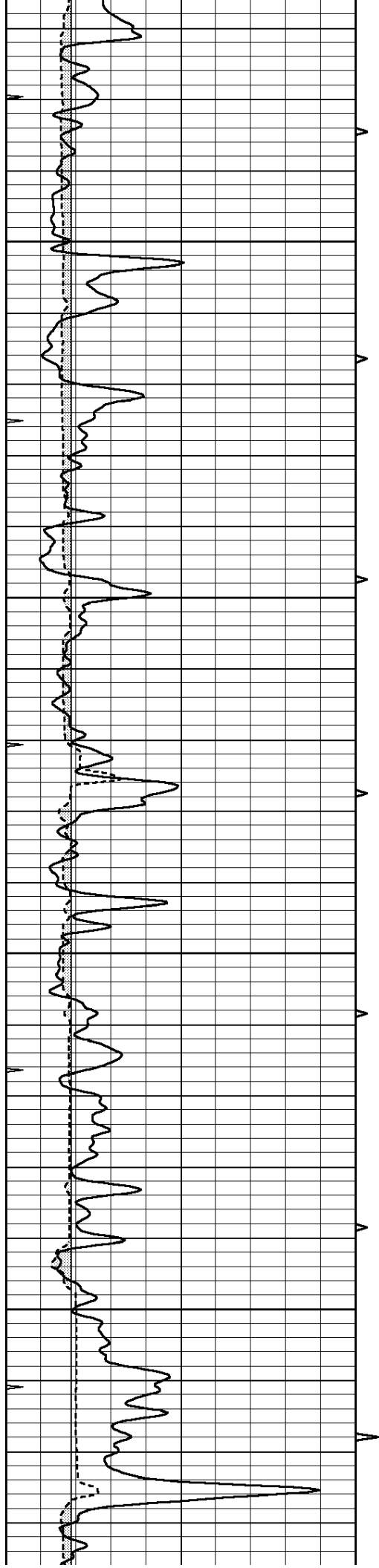
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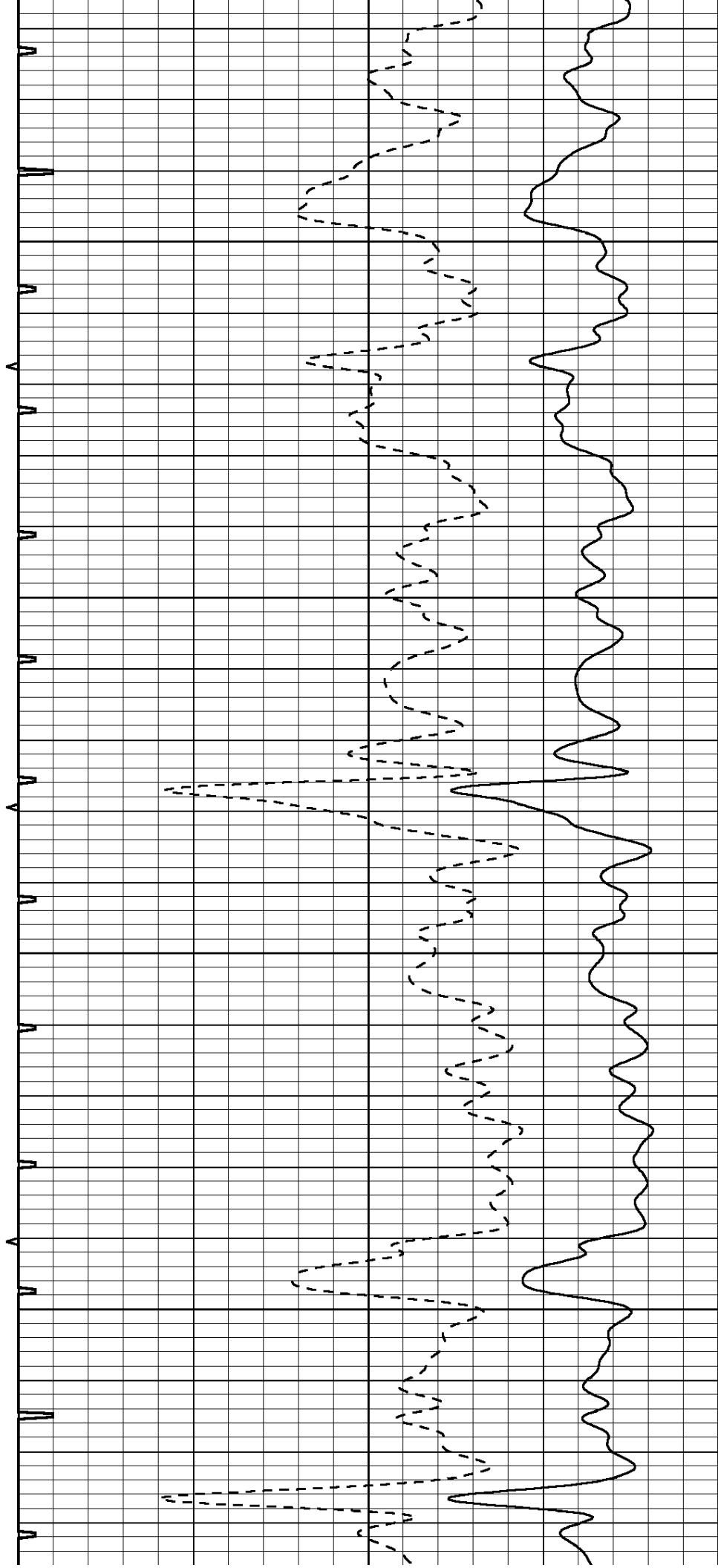


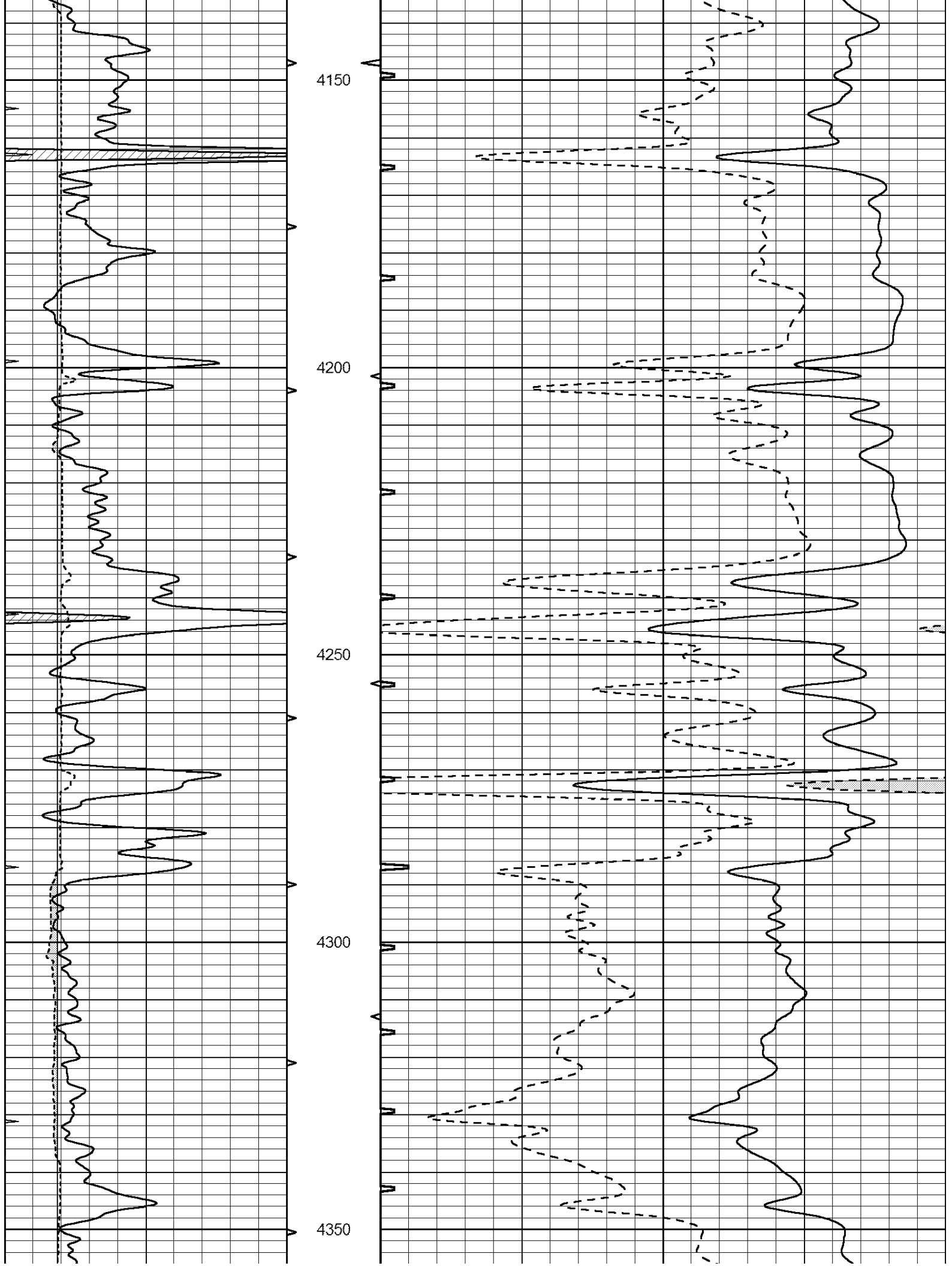
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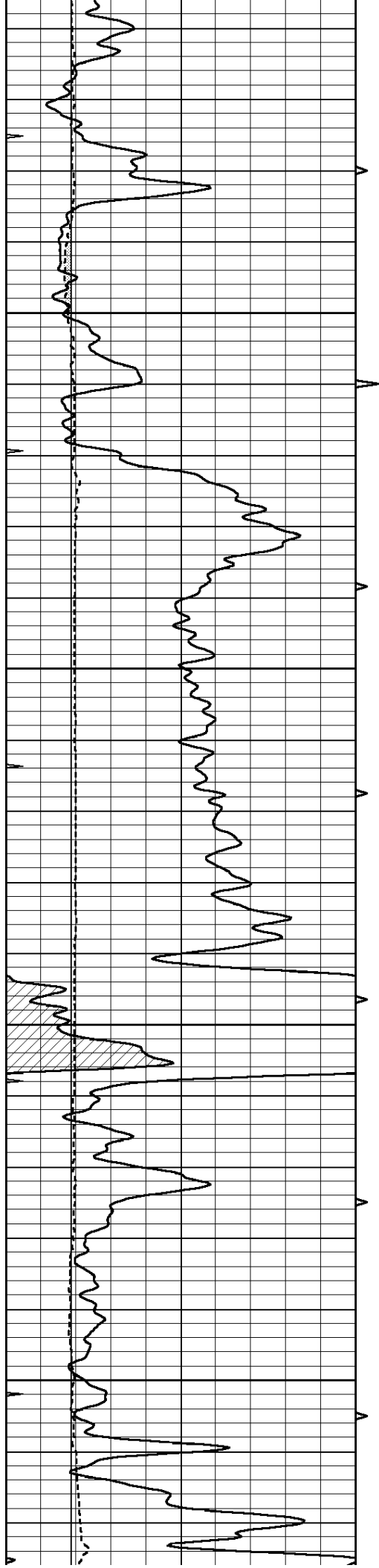
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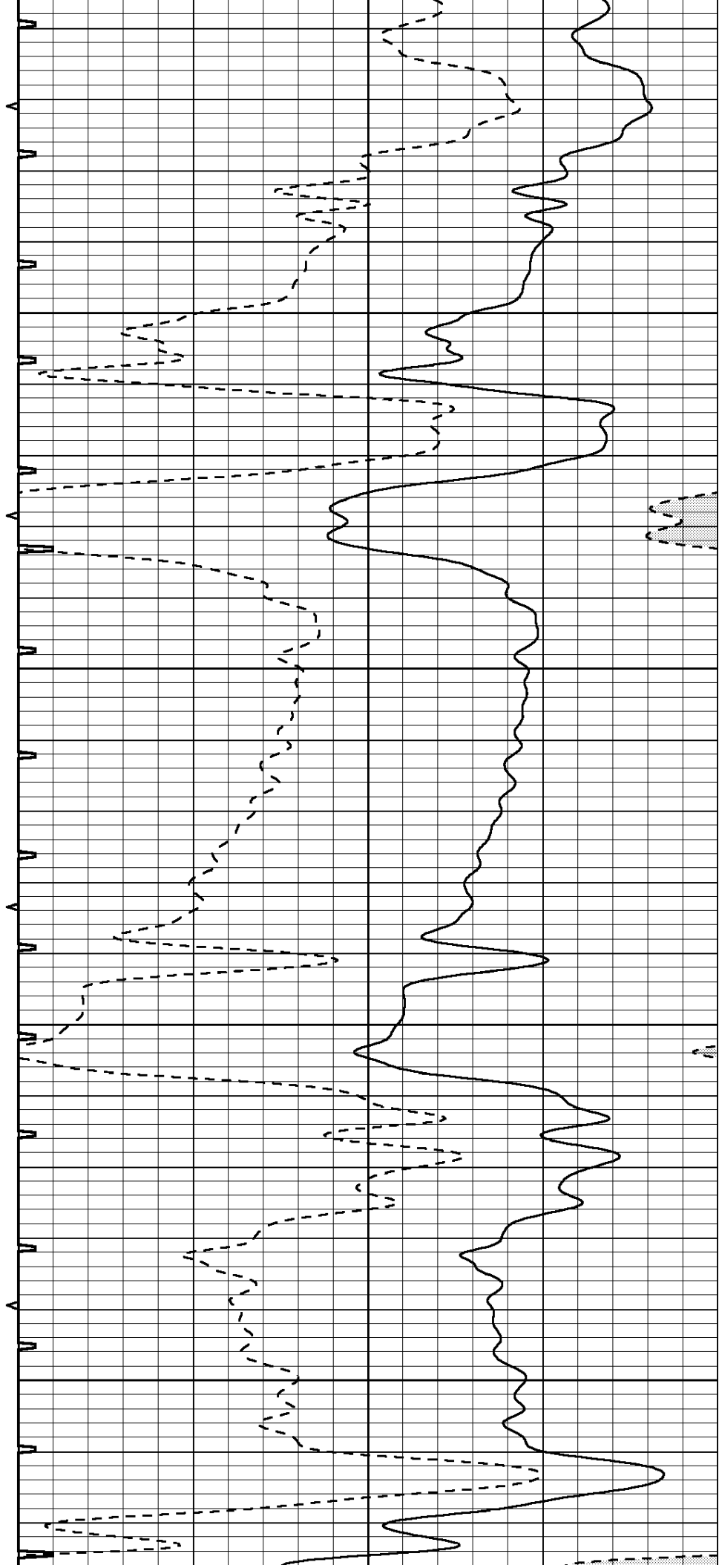


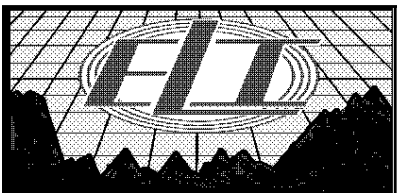
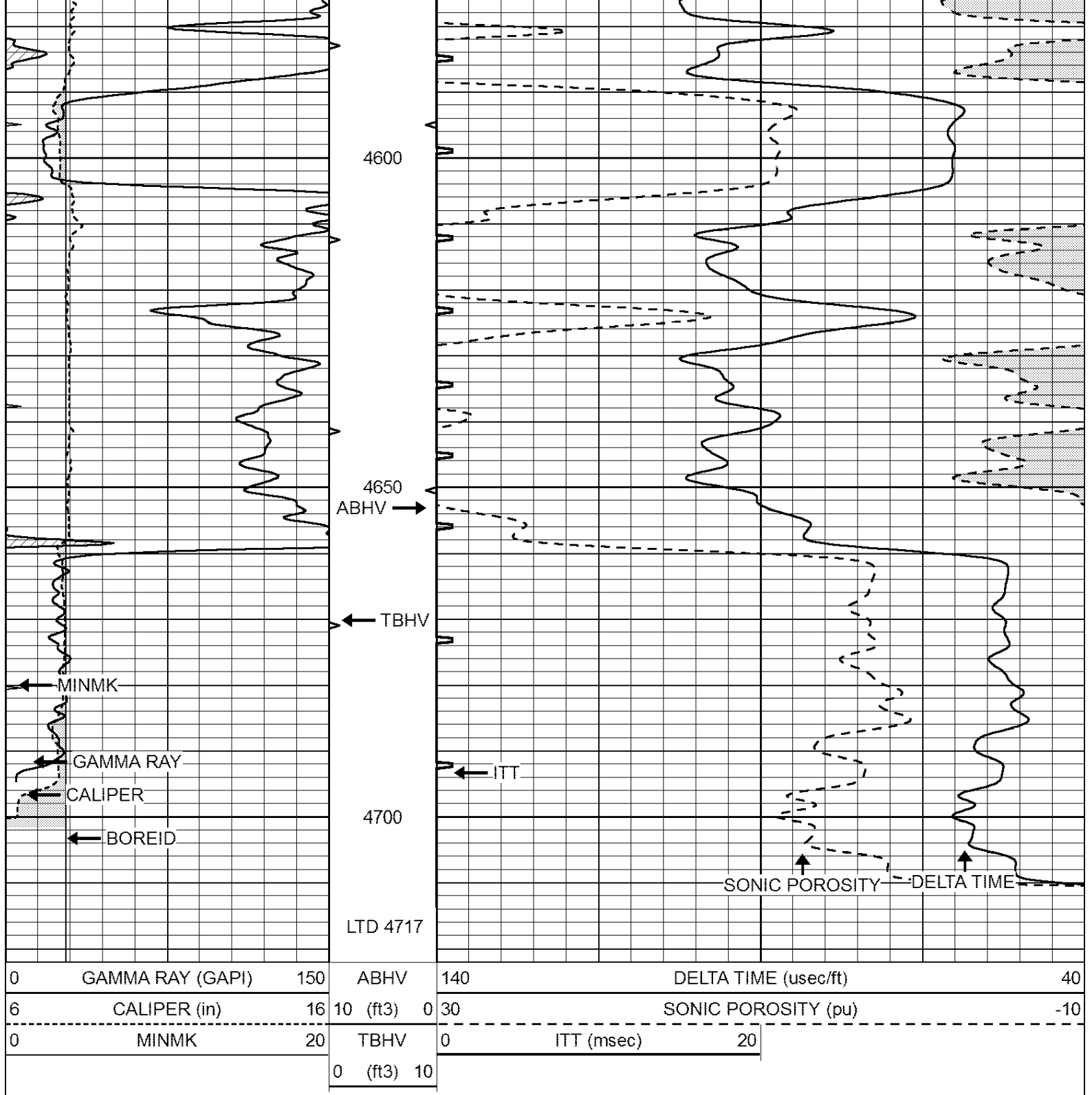
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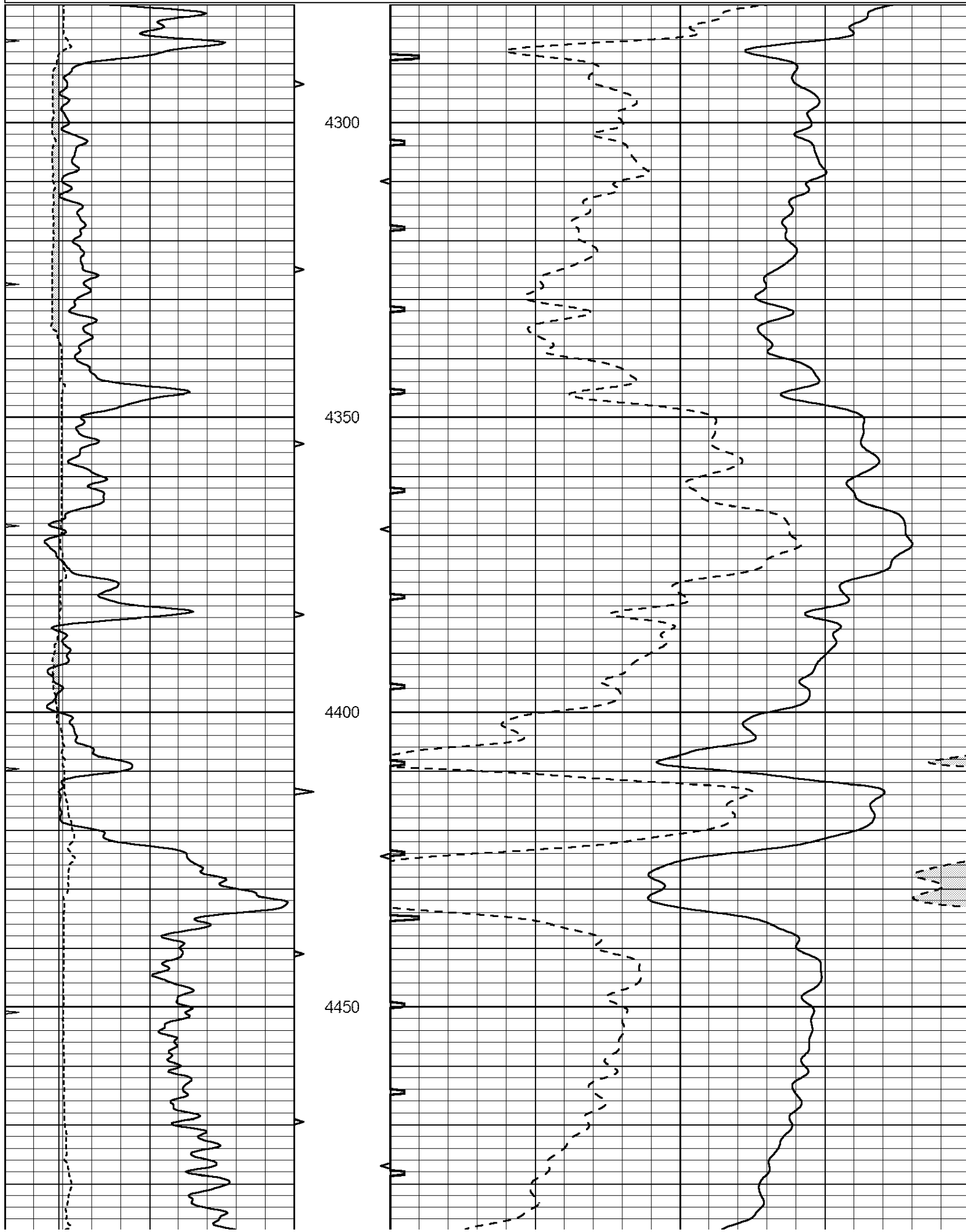


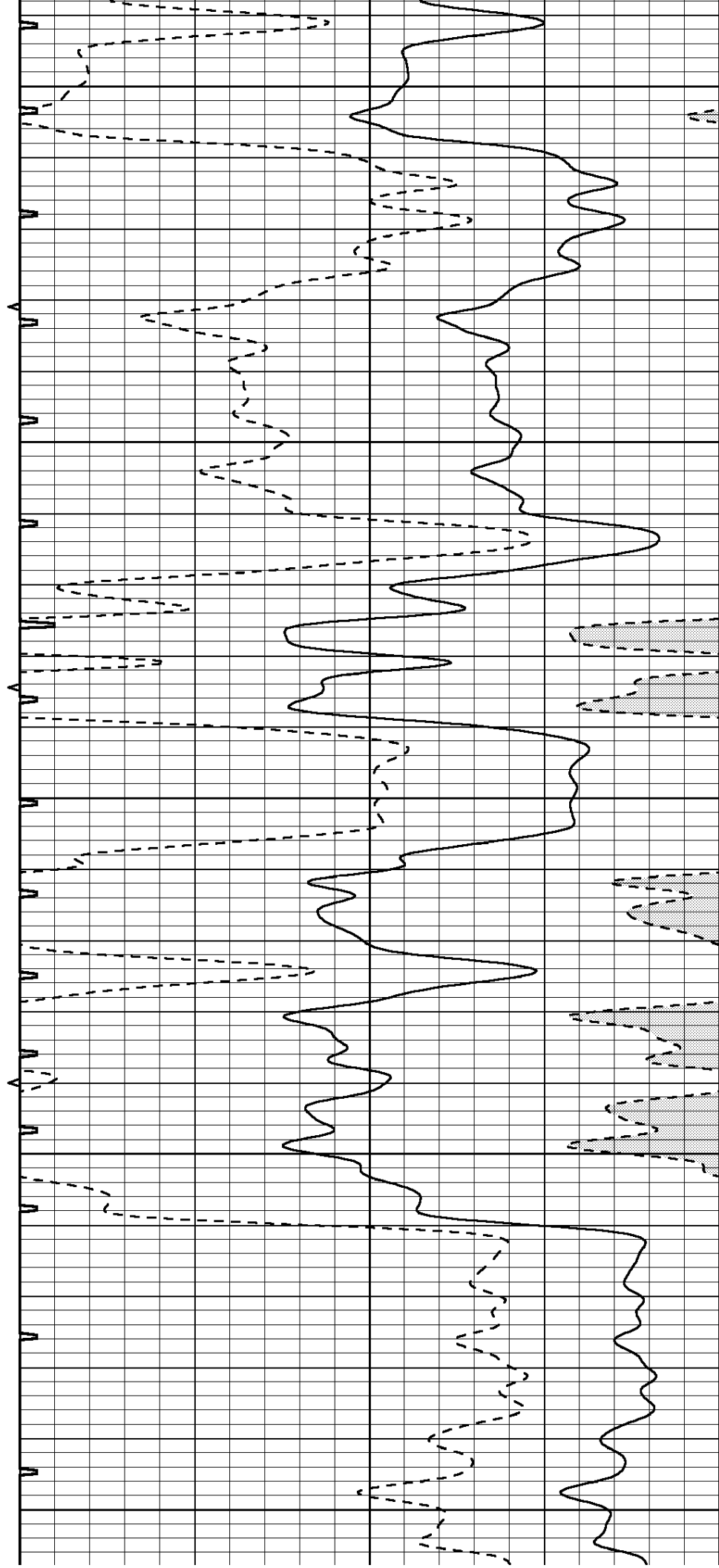
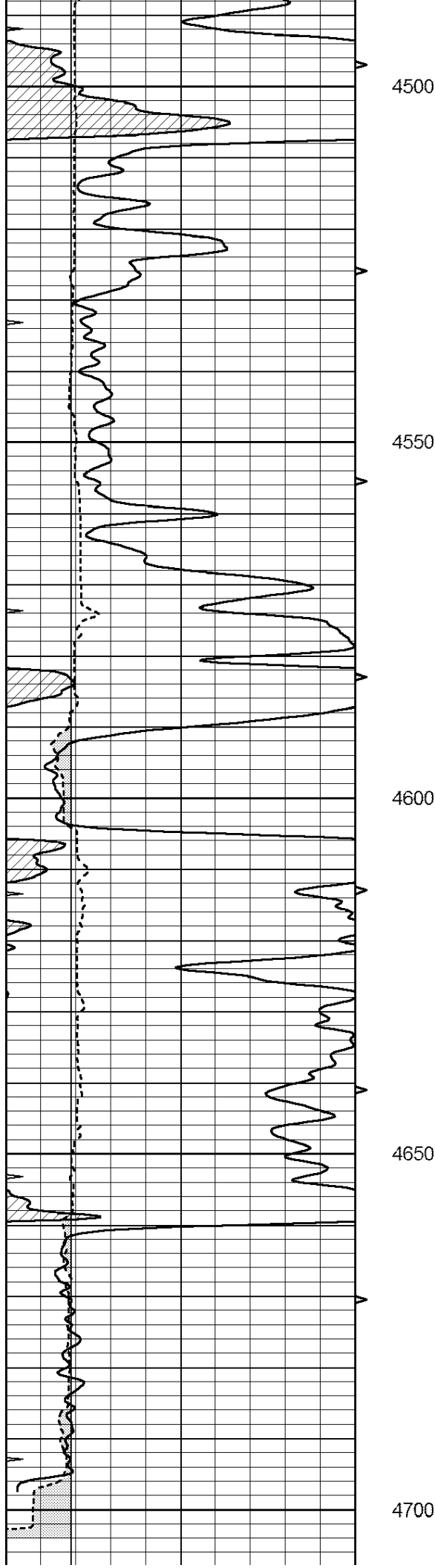
REPEAT SECTION

Database File: 2688ddn.db
 Dataset Pathname: pass7.1
 Presentation Format: _slt
 Dataset Creation: Mon Jul 02 21:05:05 2018 by Calc Open-Cased 090629
 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			





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											

Calibration Report

Database File: 2688ddn.db
Dataset Pathname: pass7.1
Dataset Creation: Mon Jul 02 21:05:05 2018 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO3
Tool Model: PROBE
Performed: Tue Jun 26 15:33:27 2018

Caliper Calibration:	Gain=3.899	Offset=-9.997
References	Low Cal 7.000	High Cal 14.000
Readings	3.980	5.776

1.5" Calibration:	Gain=110.000	Offset=-0.400
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	0.228

2" Calibration:	Gain=110.553	Offset=-1.220
	Low Cal	High Cal
References	0.000	20.000
Readings	0.005	0.175

Gamma Ray Calibration Report

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

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.8000	GAPI/cps