

SONIC LOG

Company	MULL DRILLING CO., INC.	Company	MULL DRILLING CO., INC.
Well	FAGEN#1-30	Well	FAGEN#1-30
Field	WILDCAT	Field	WILDCAT
County	HODGEMAN	County	HODGEMAN
State	KANSAS	State	KANSAS
Location:	API # : 15-083-21948-00-00 1650' FSL & 1637' FEL	Other Services CDL/CNL/DIL MEL	
Permanent Datum Log Measured From Drilling Measured From	GROUND LEVEL KELLY BUSHING 5' A.G.L. KELLY BUSHING	Elevation K.B. 2417 D.F. 2415 G.L. 2412	
Date	05/16/18		
Run Number	TWO		
Depth Driller	4875		
Depth Logger	4879		
Bottom Logged Interval	4870		
Top Log Interval	00		
Casing Driller	8 5/8" @ 218		
Casing Logger	218		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.1/54		
pH / Fluid Loss	11.0/7.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.70@74		
Rmt @ Meas. Temp	.53@74		
Rmc @ Meas. Temp	.84@74		
Source of Rmt / Rmc	MEASURED		
Rm @ BHT	.42@123		
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	PHIL ASKEY		

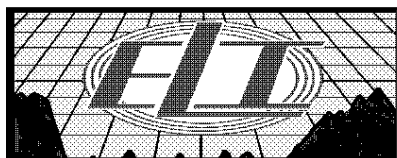
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on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

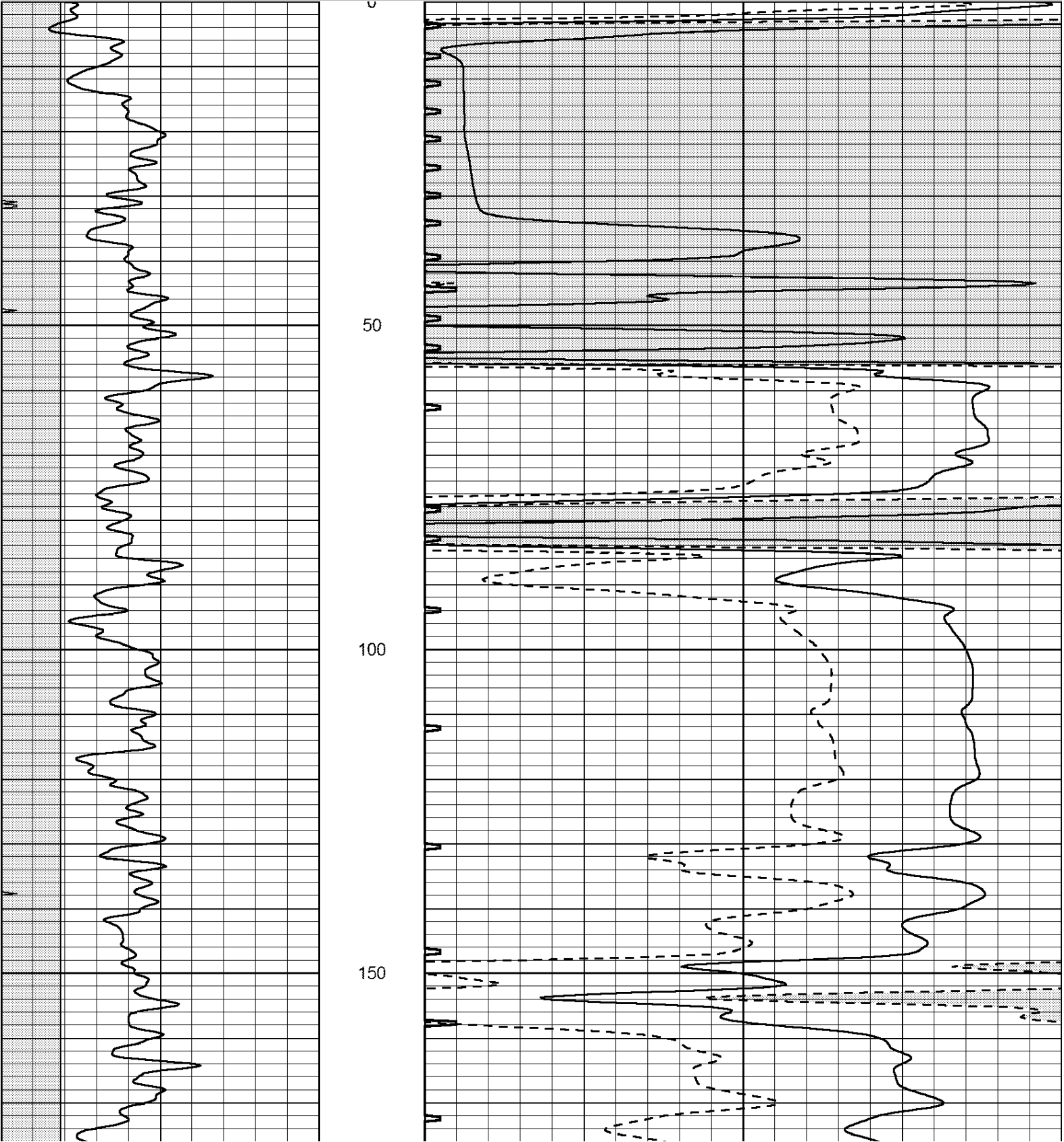
DIRECTIONS
SOUTH OF JETMORE TO B RD.(11 MILES)
1/2 MILE EAST, NORTH INTO.

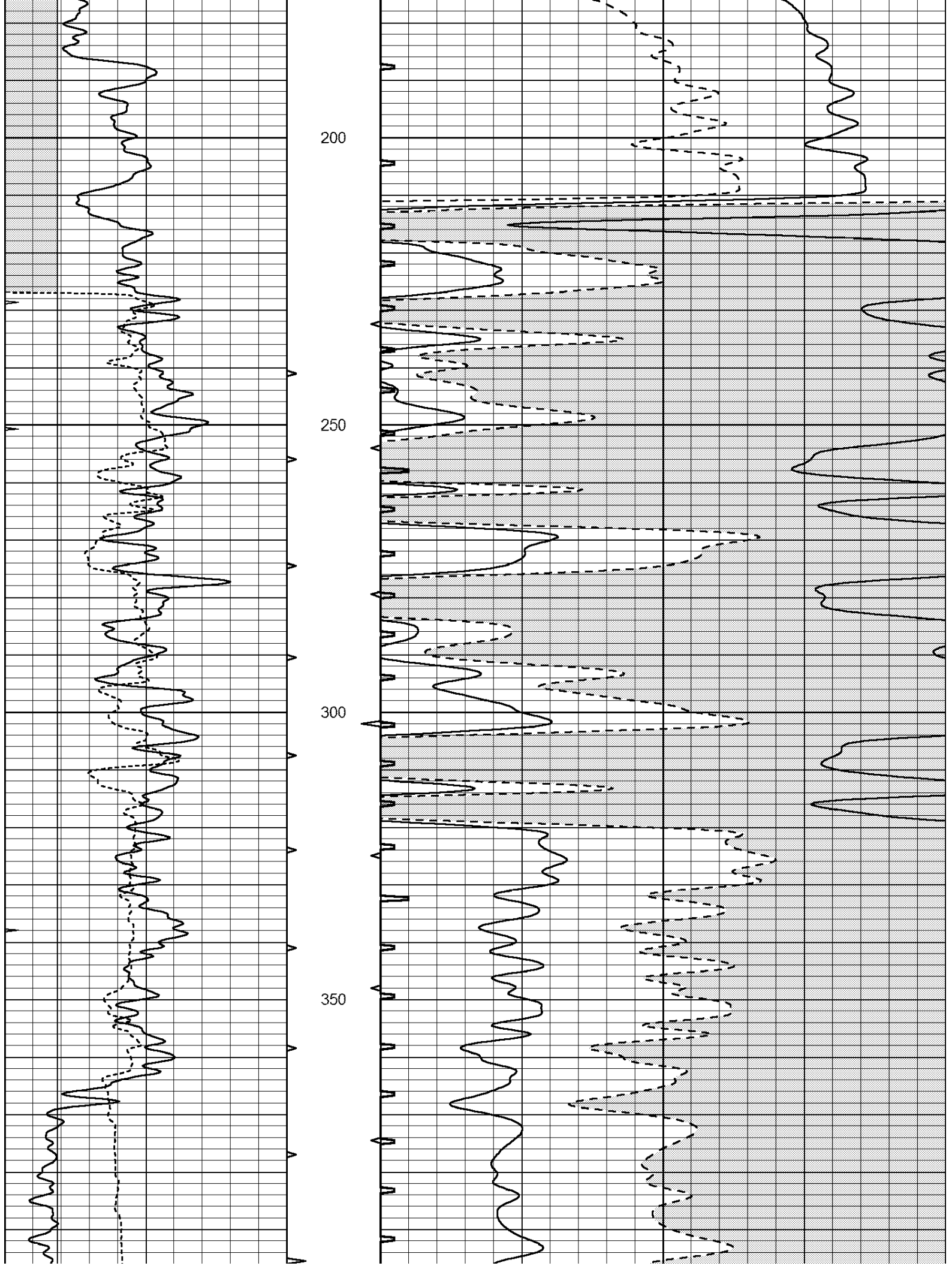


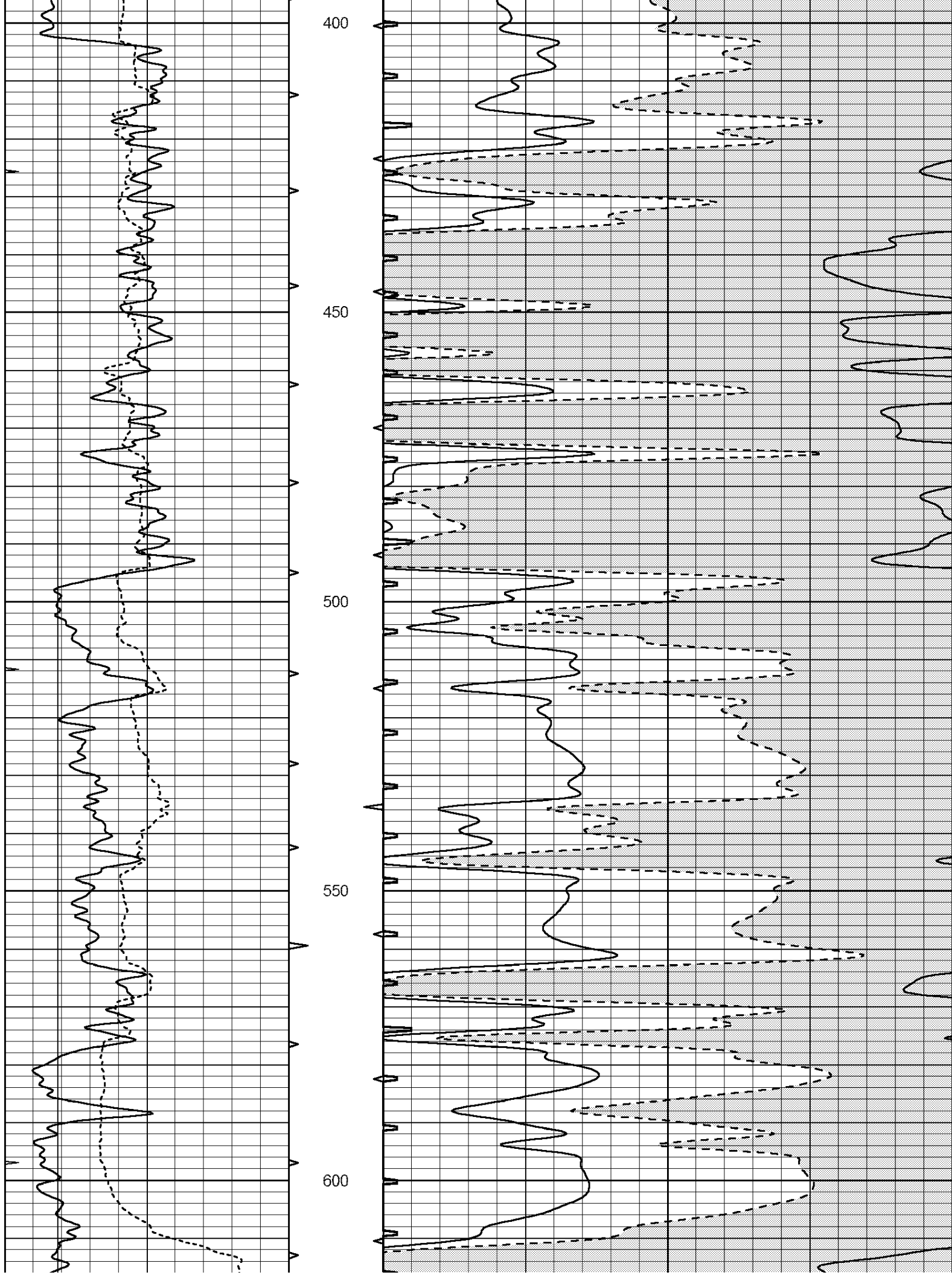
MAIN PASS

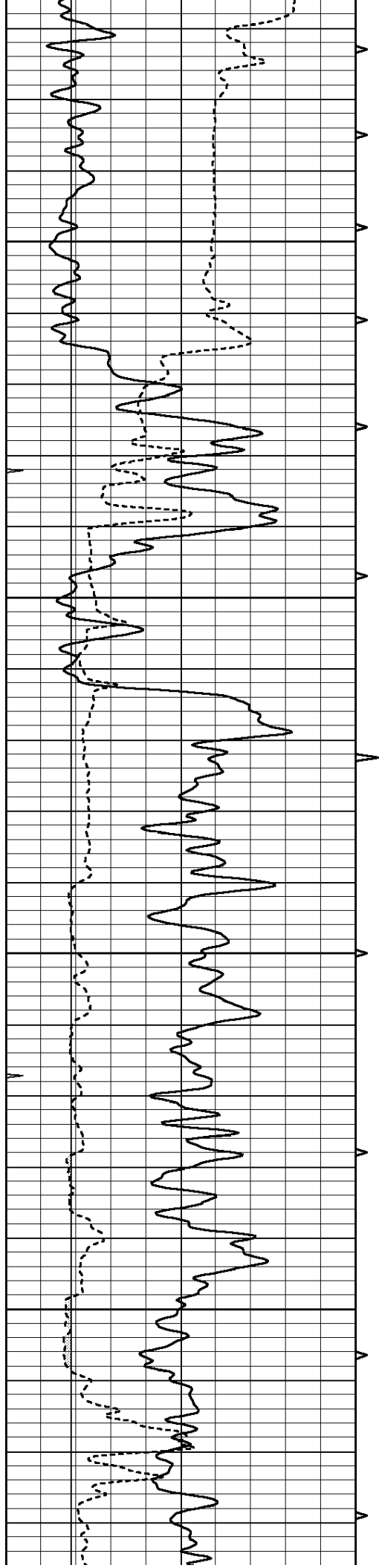
Database File: 2677pe.db
Dataset Pathname: pass6
Presentation Format: _slt
Dataset Creation: Wed May 16 16:58:46 2018 by Log Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

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			







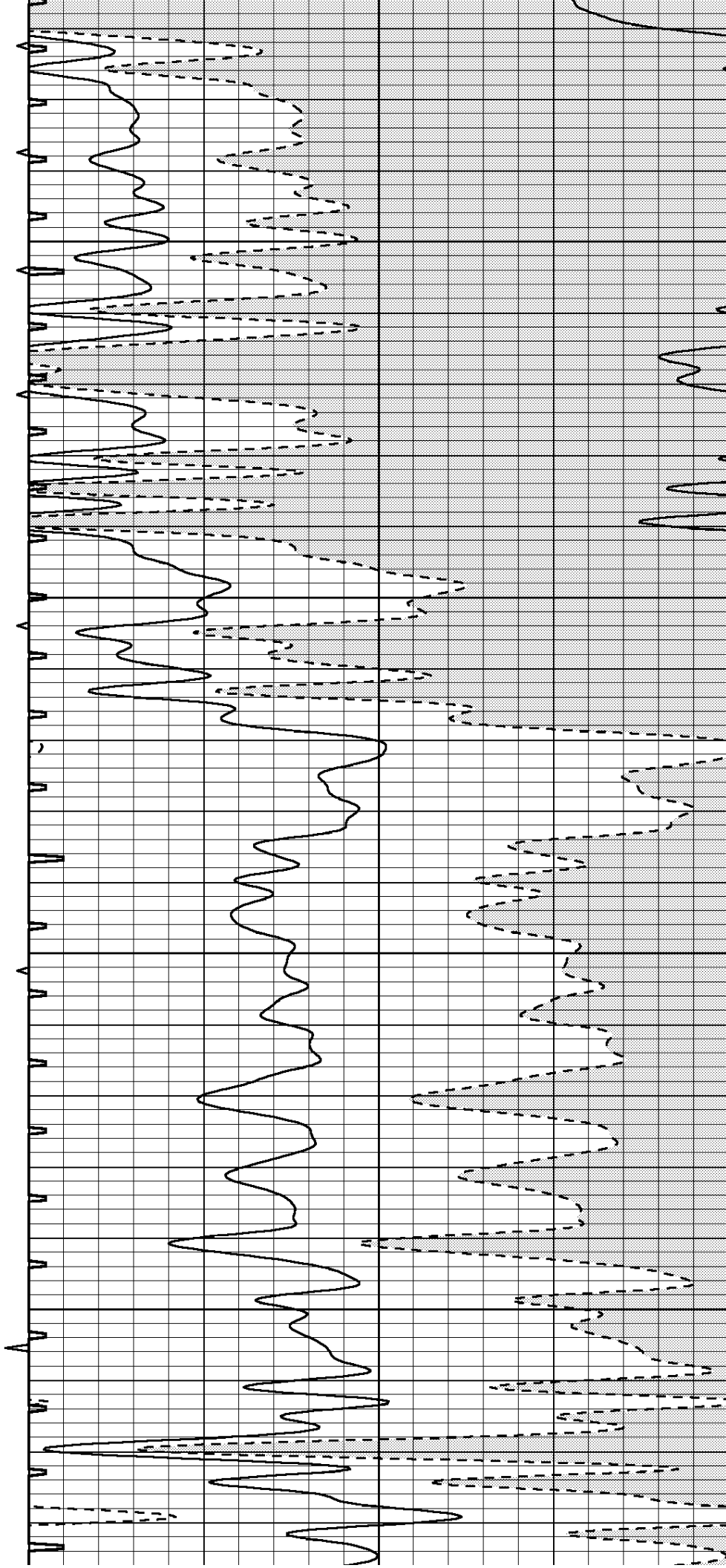


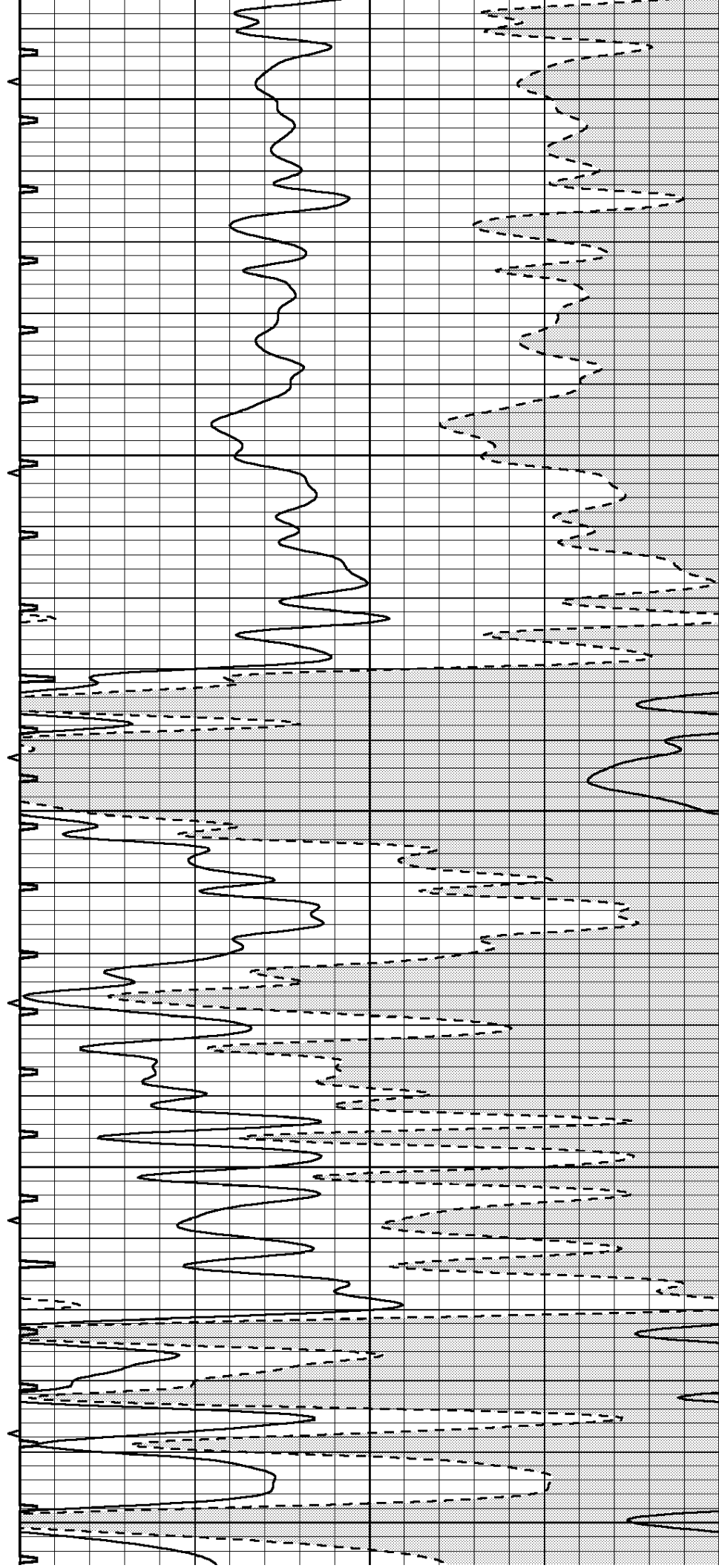
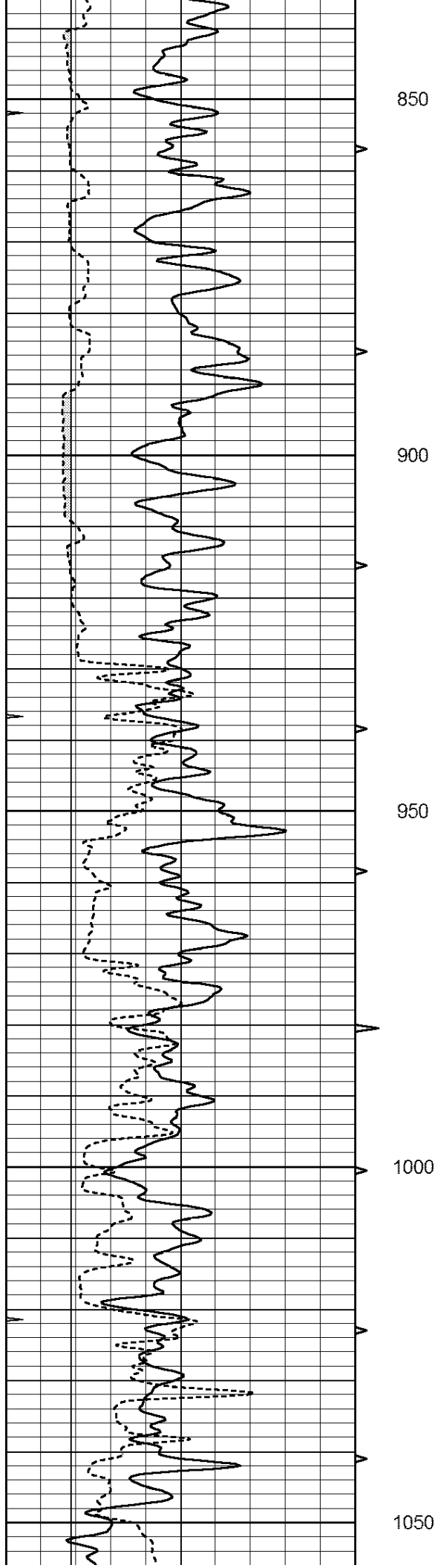
650

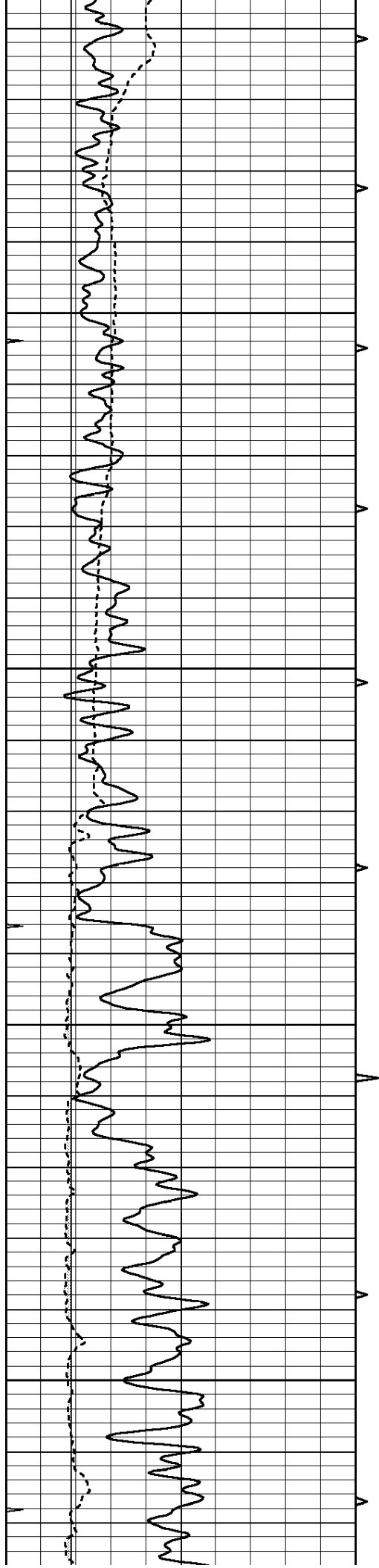
700

750

800





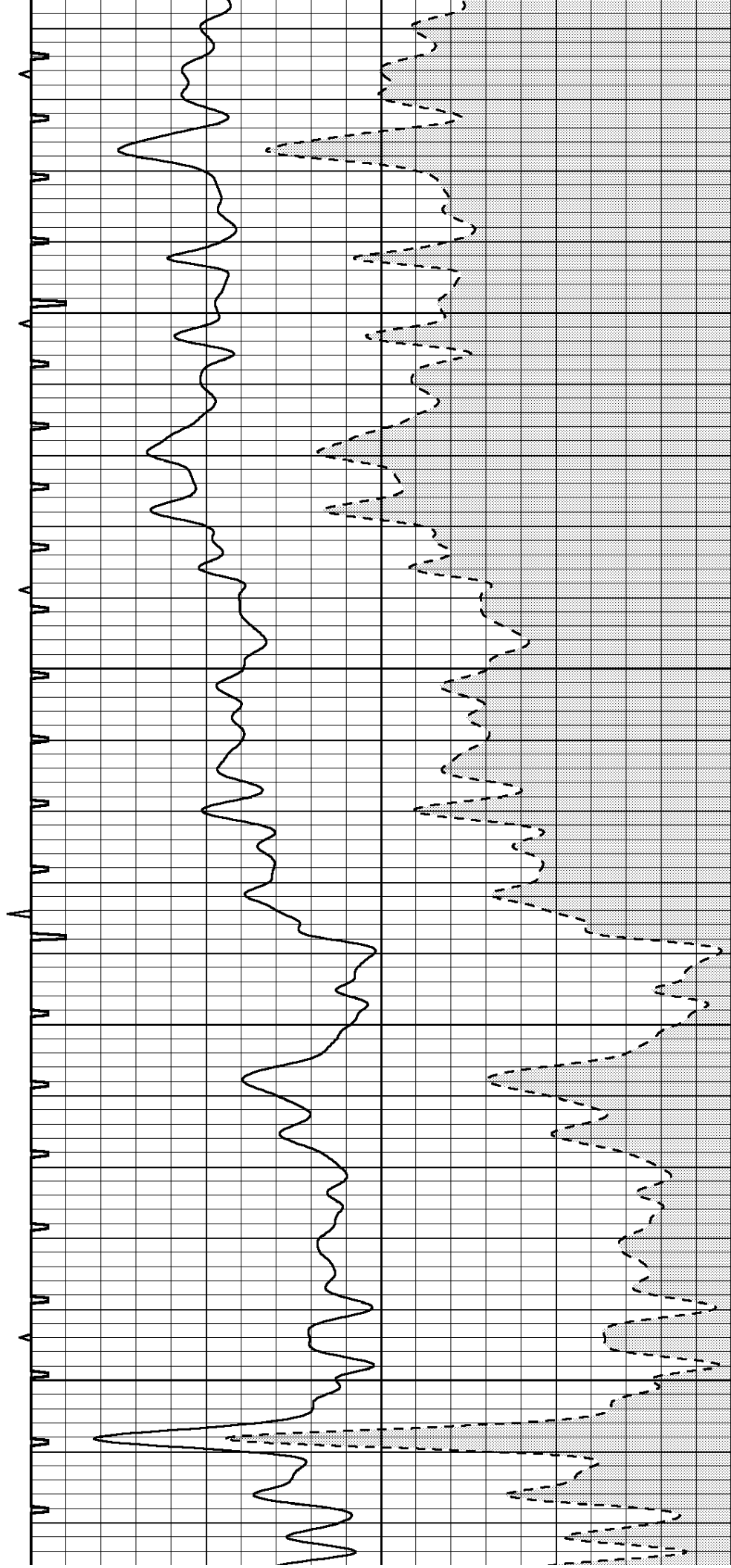


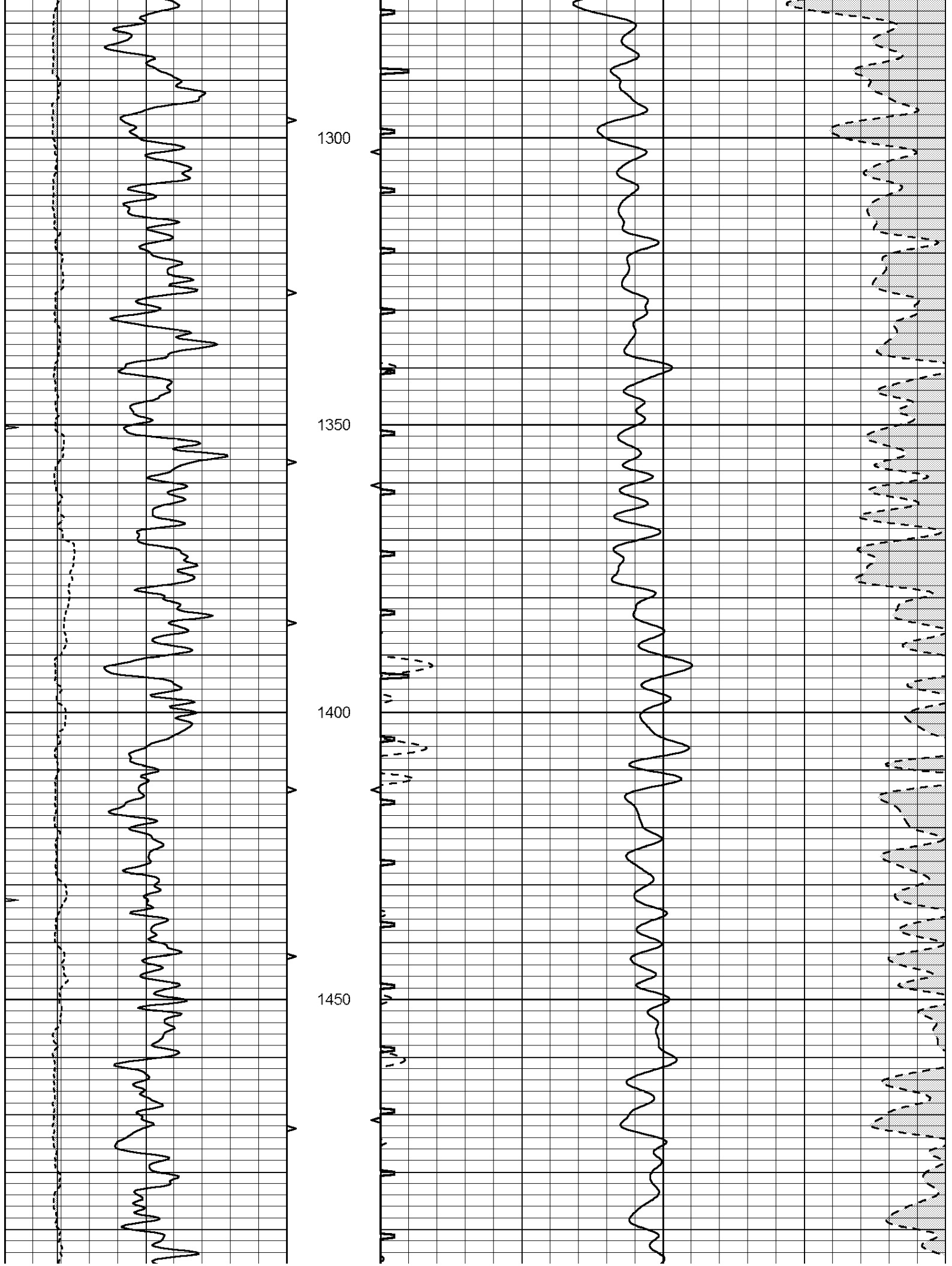
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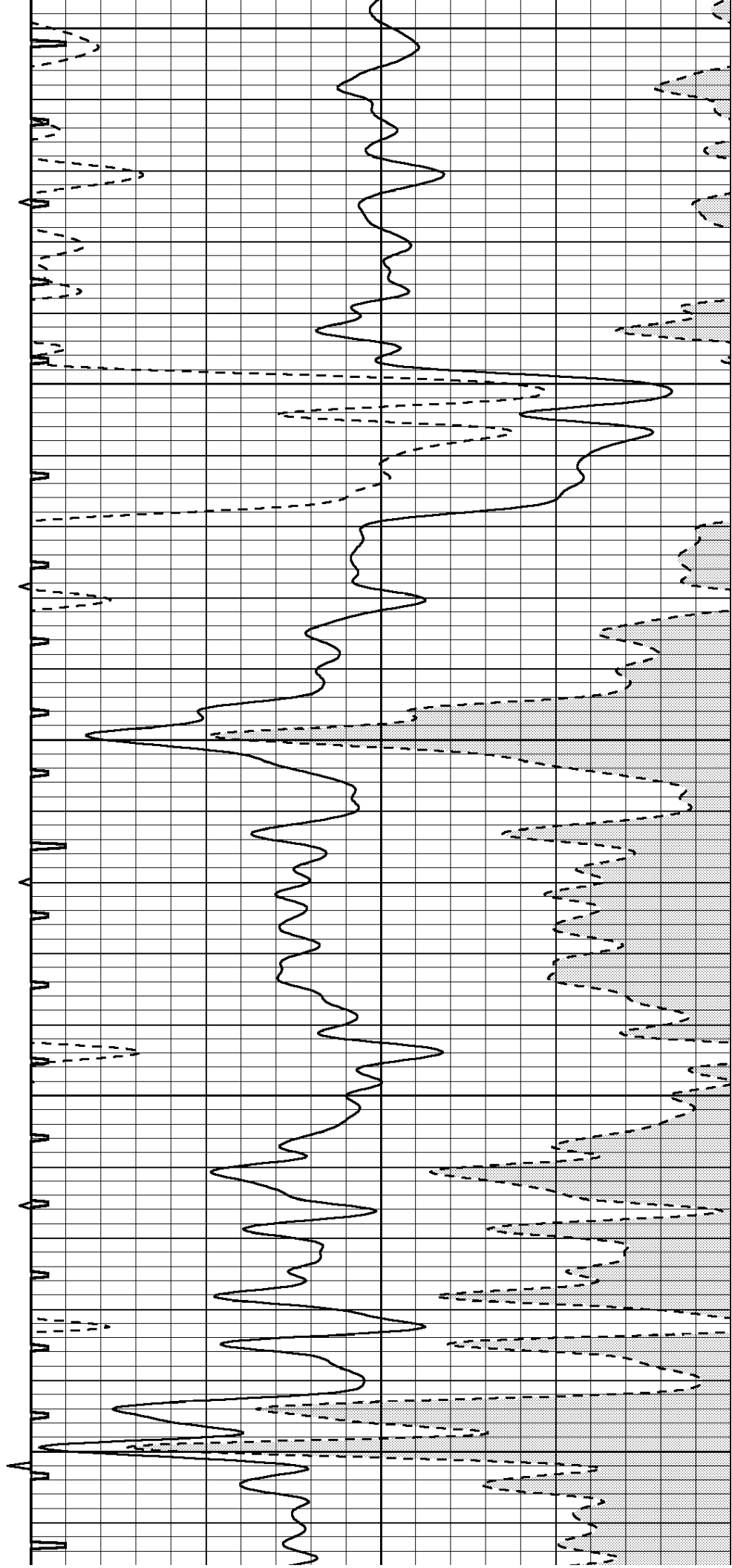
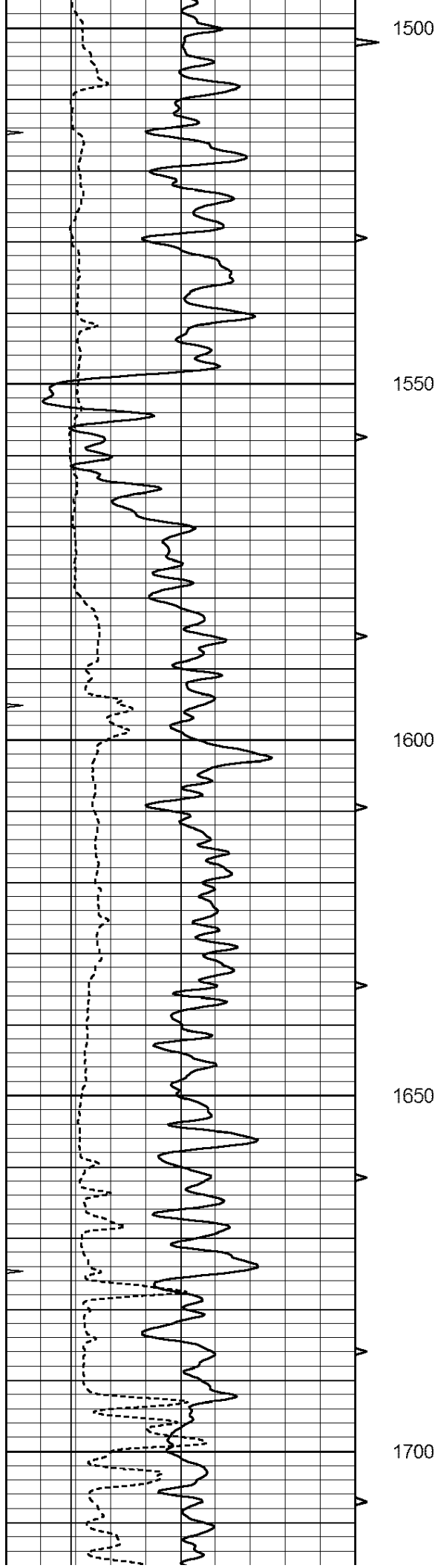
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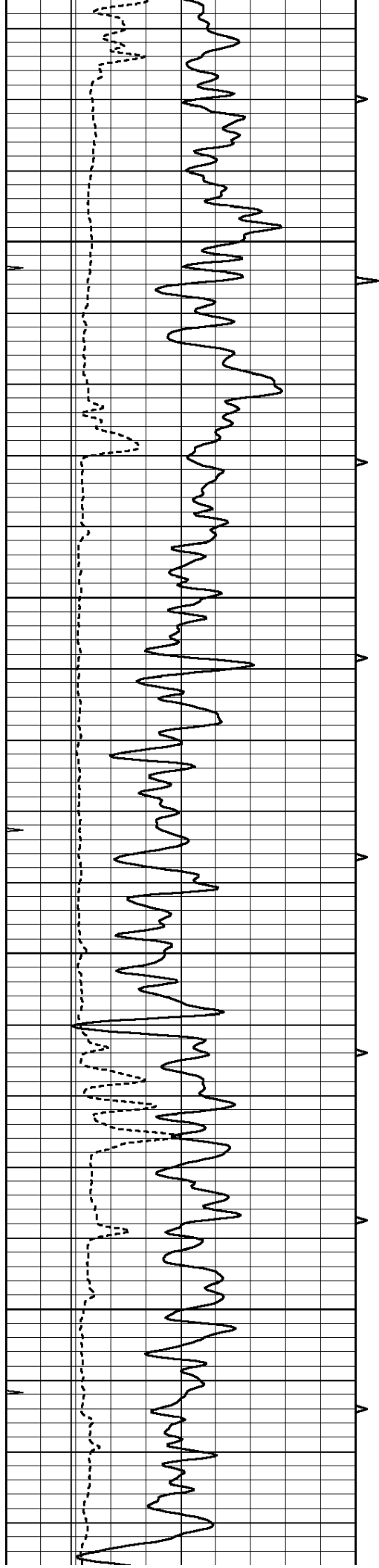
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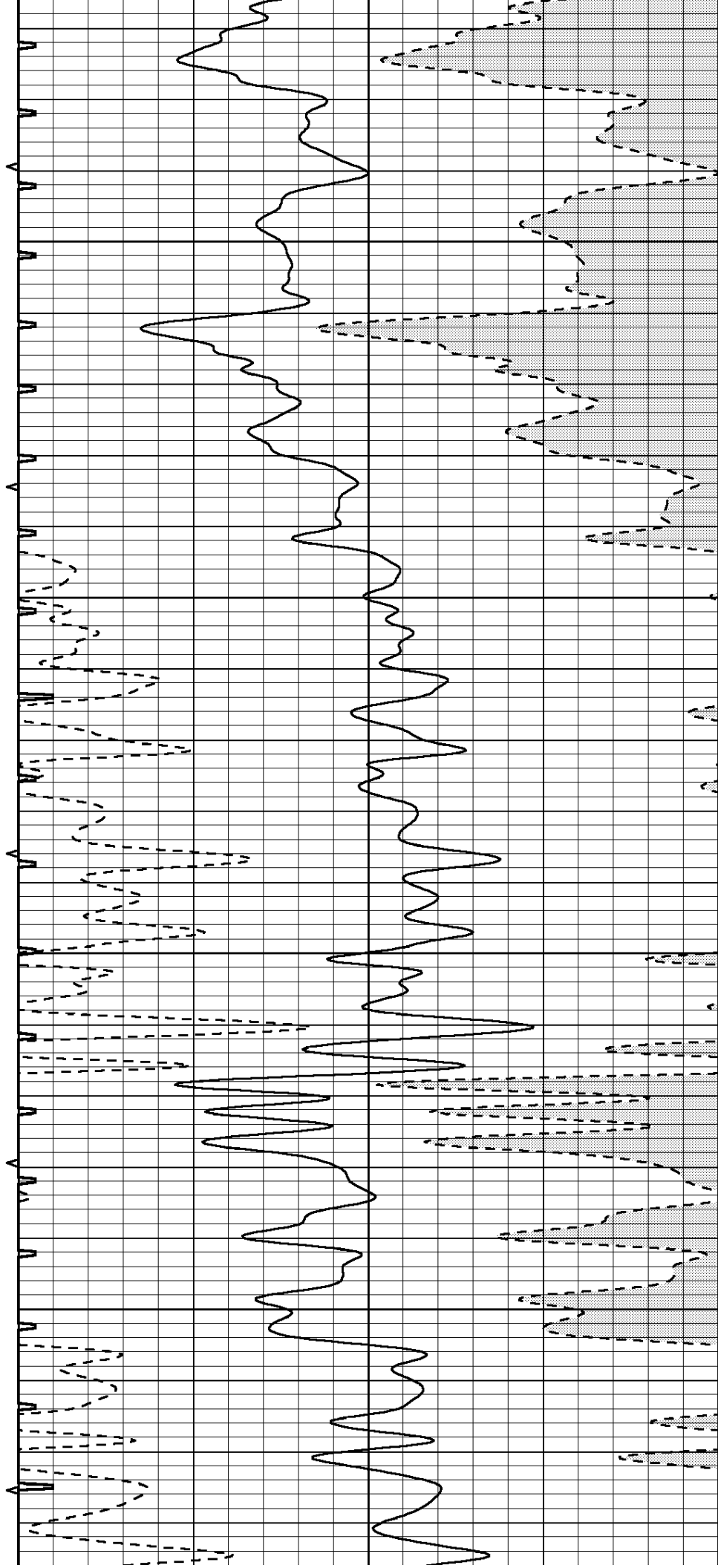


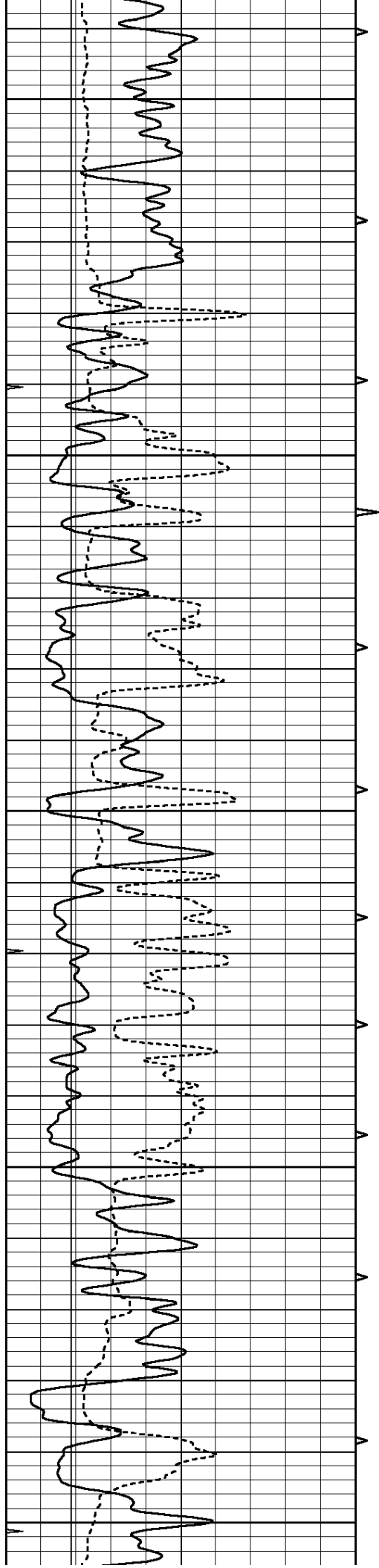
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1800

1850

1900





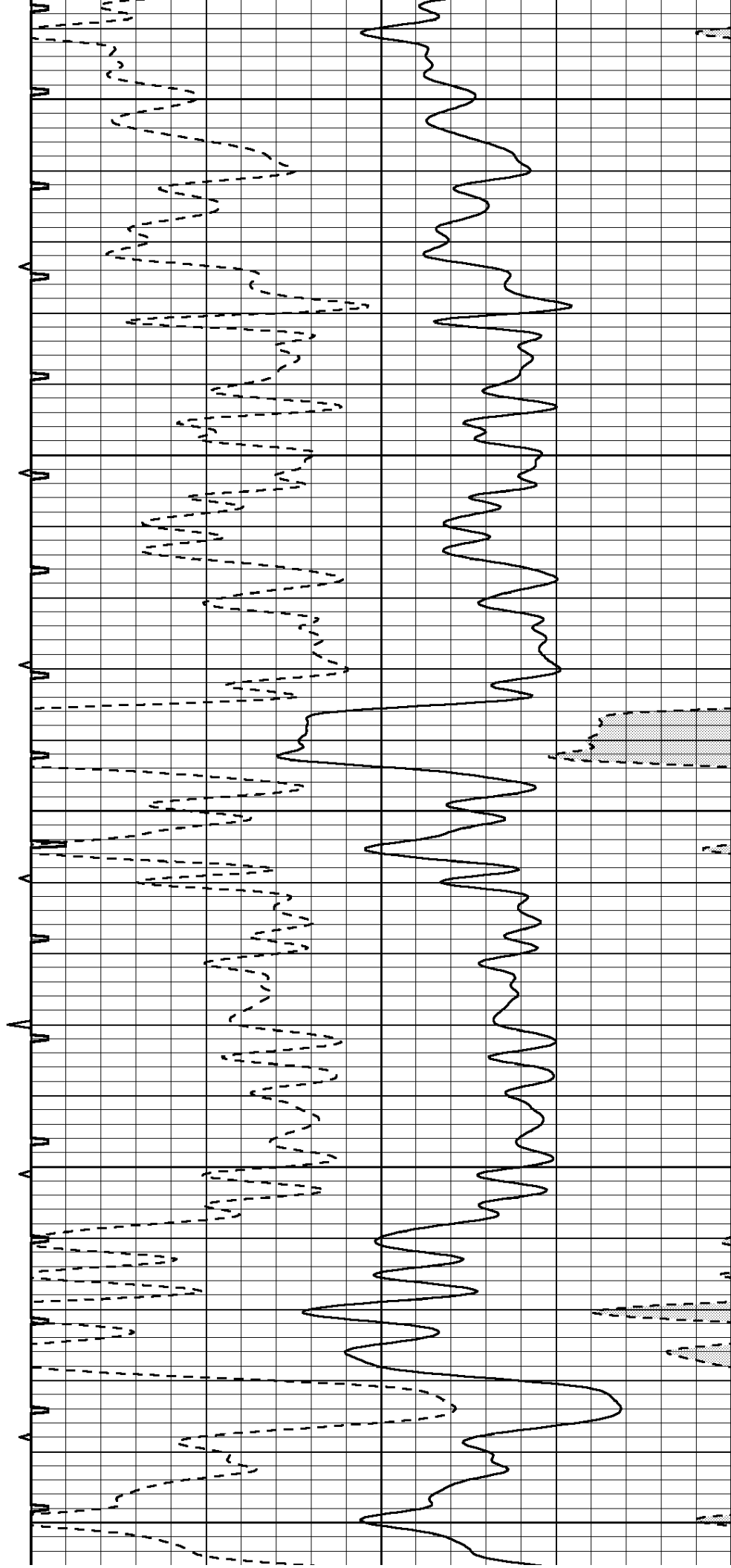
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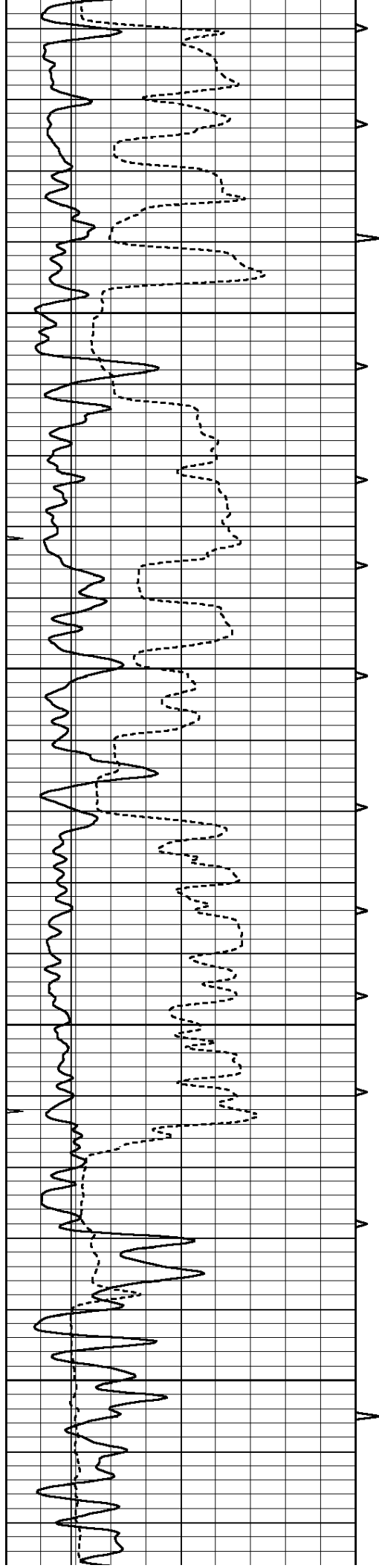
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2050

2100

2150



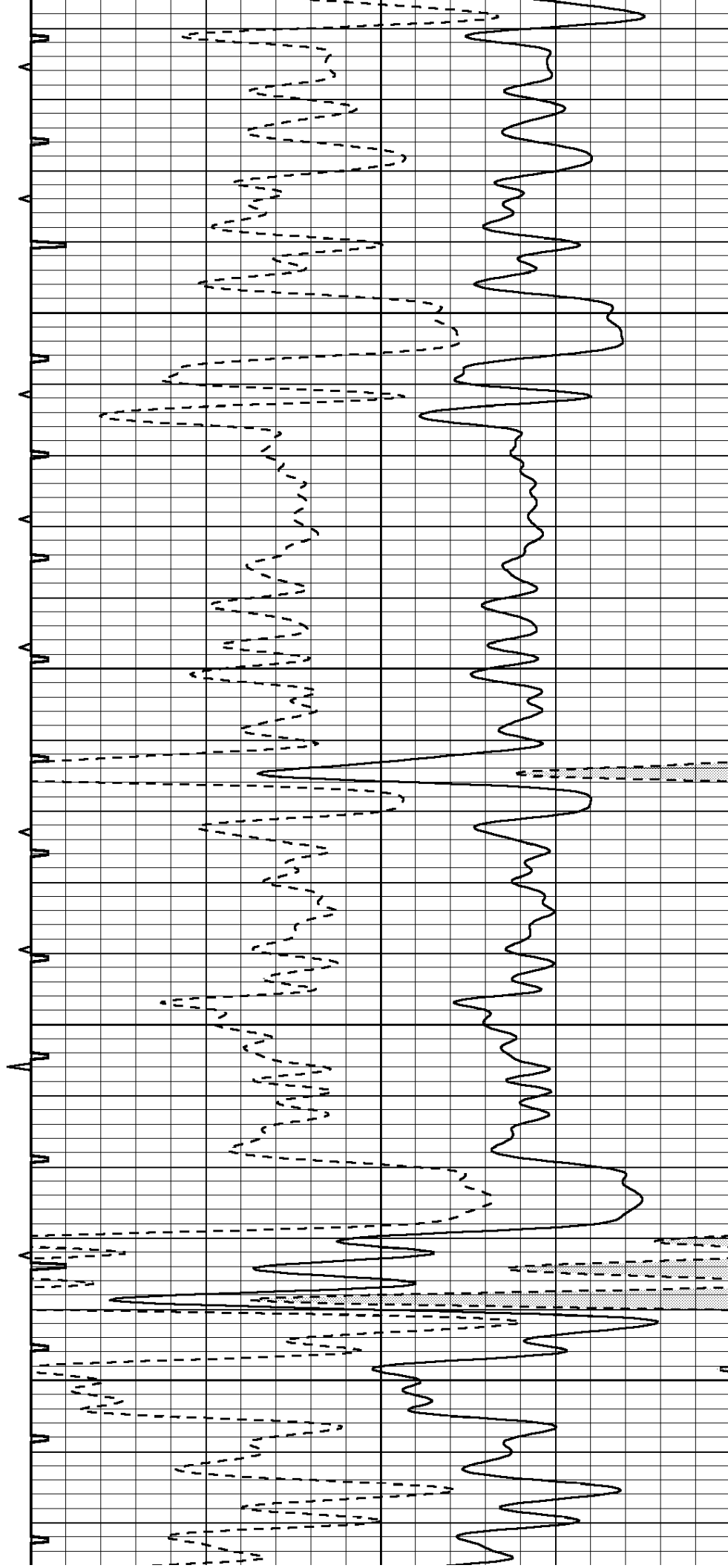


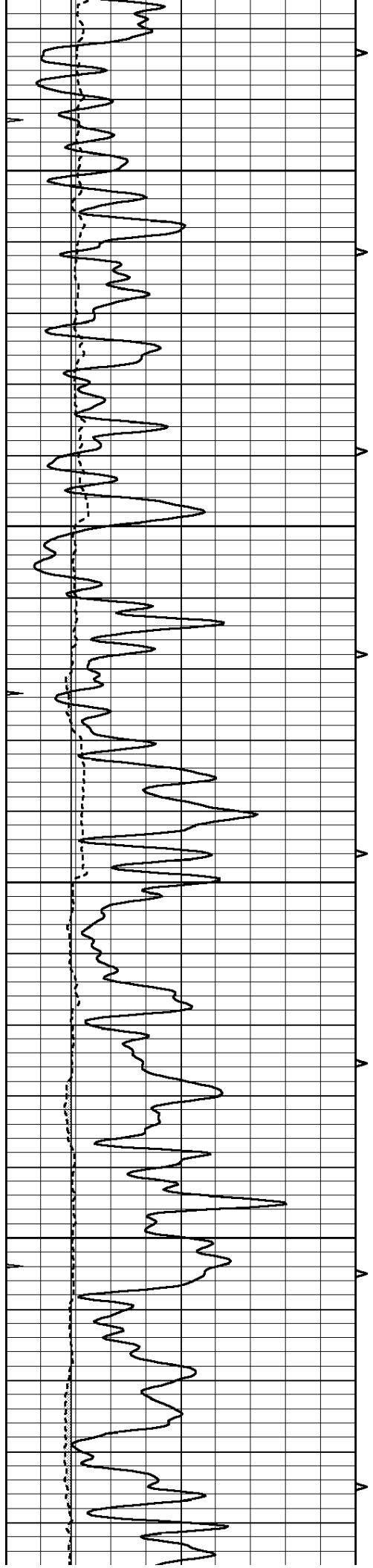
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2250

2300

2350



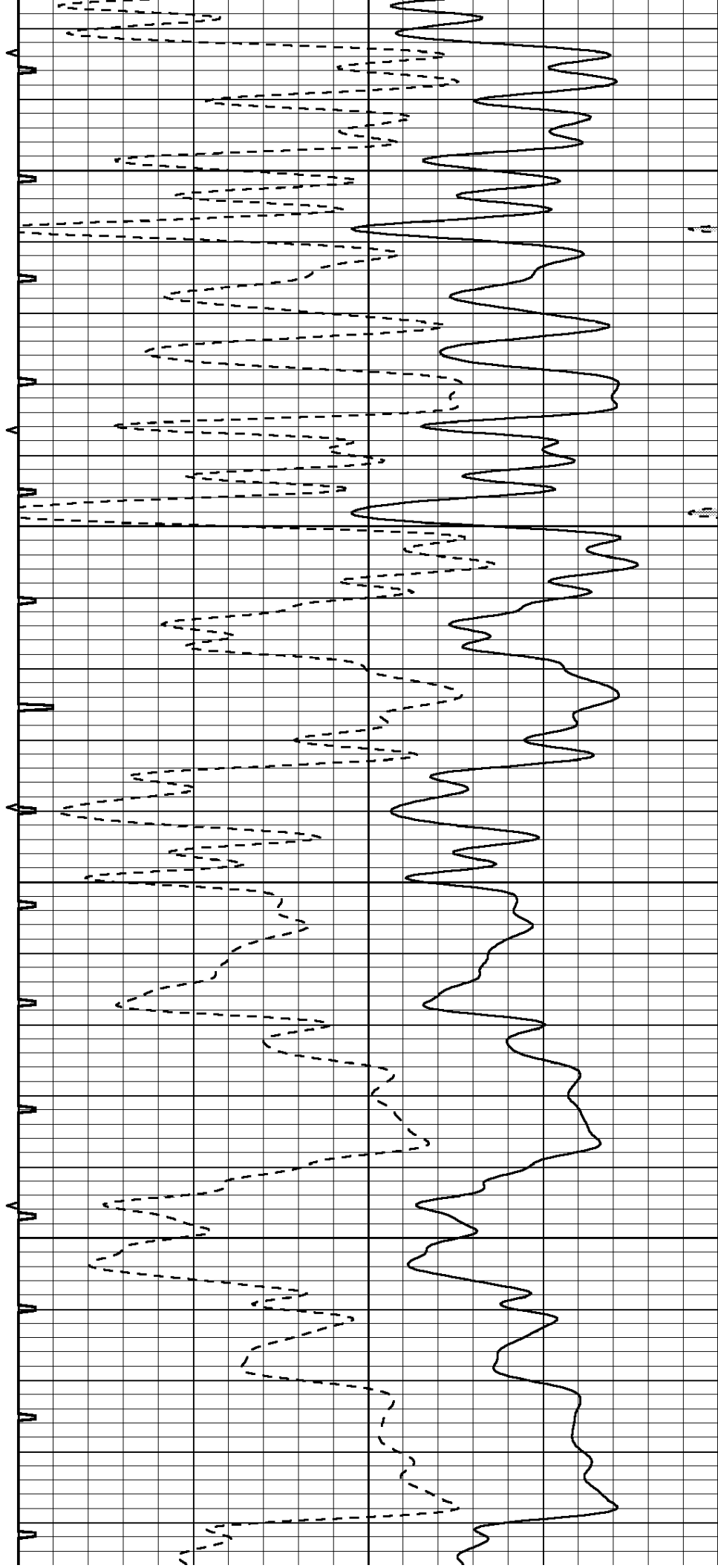


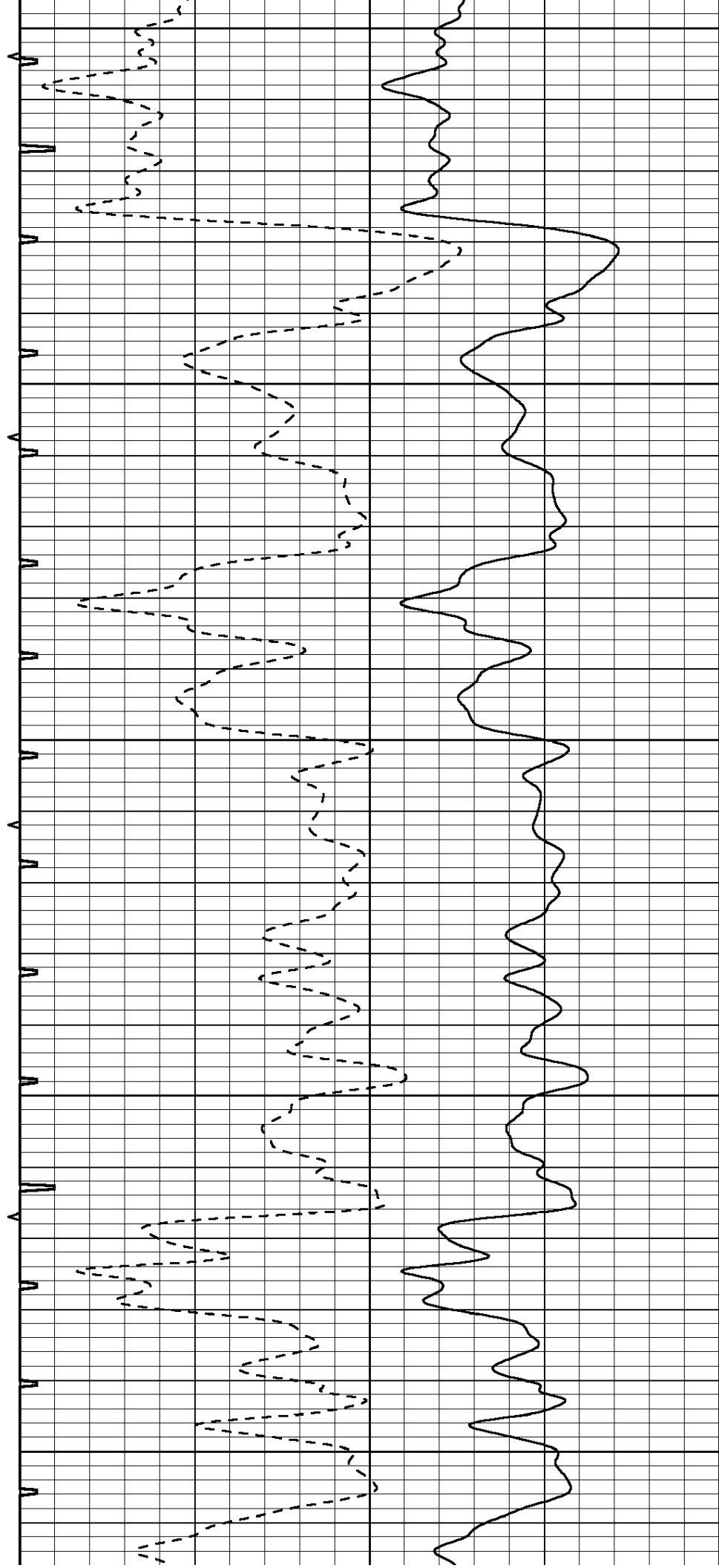
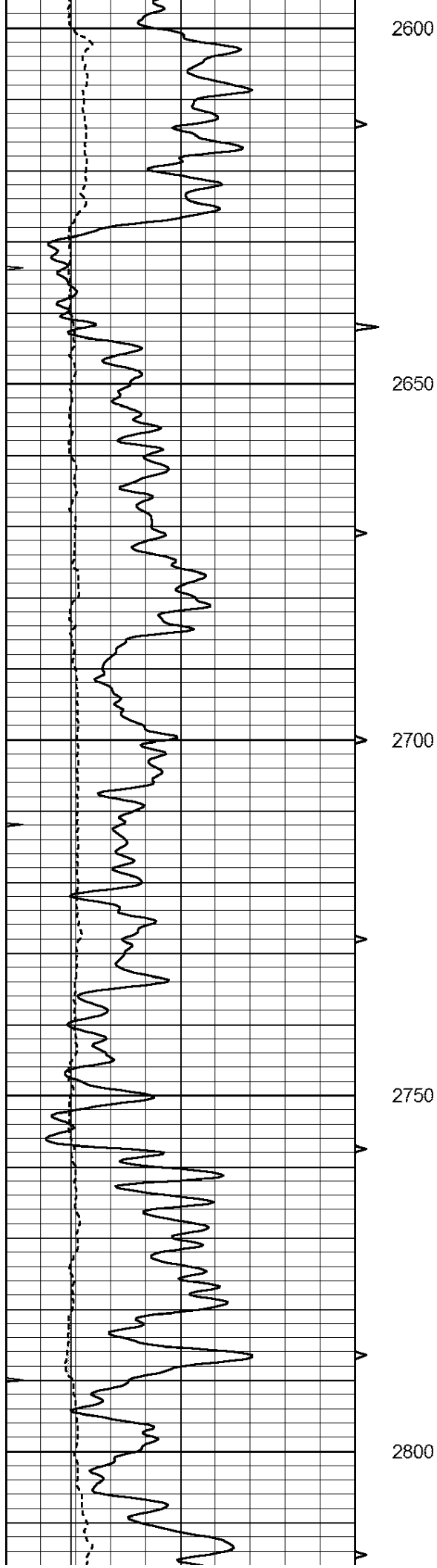
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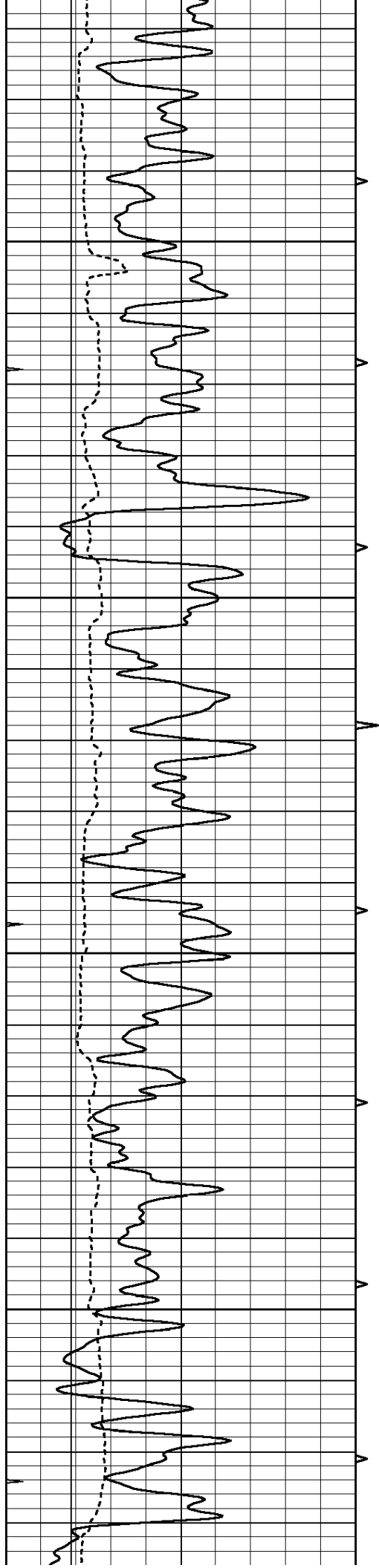
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2550





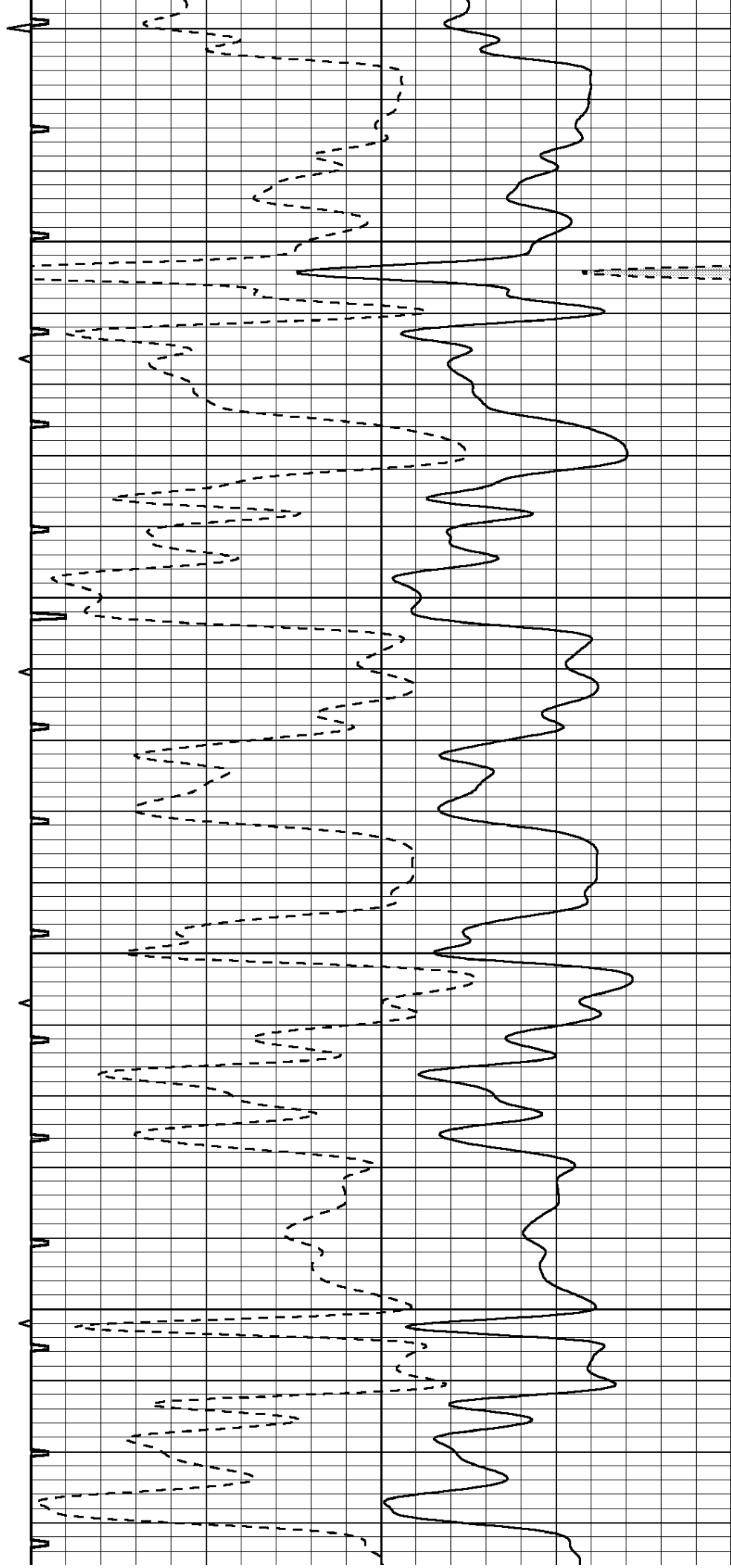


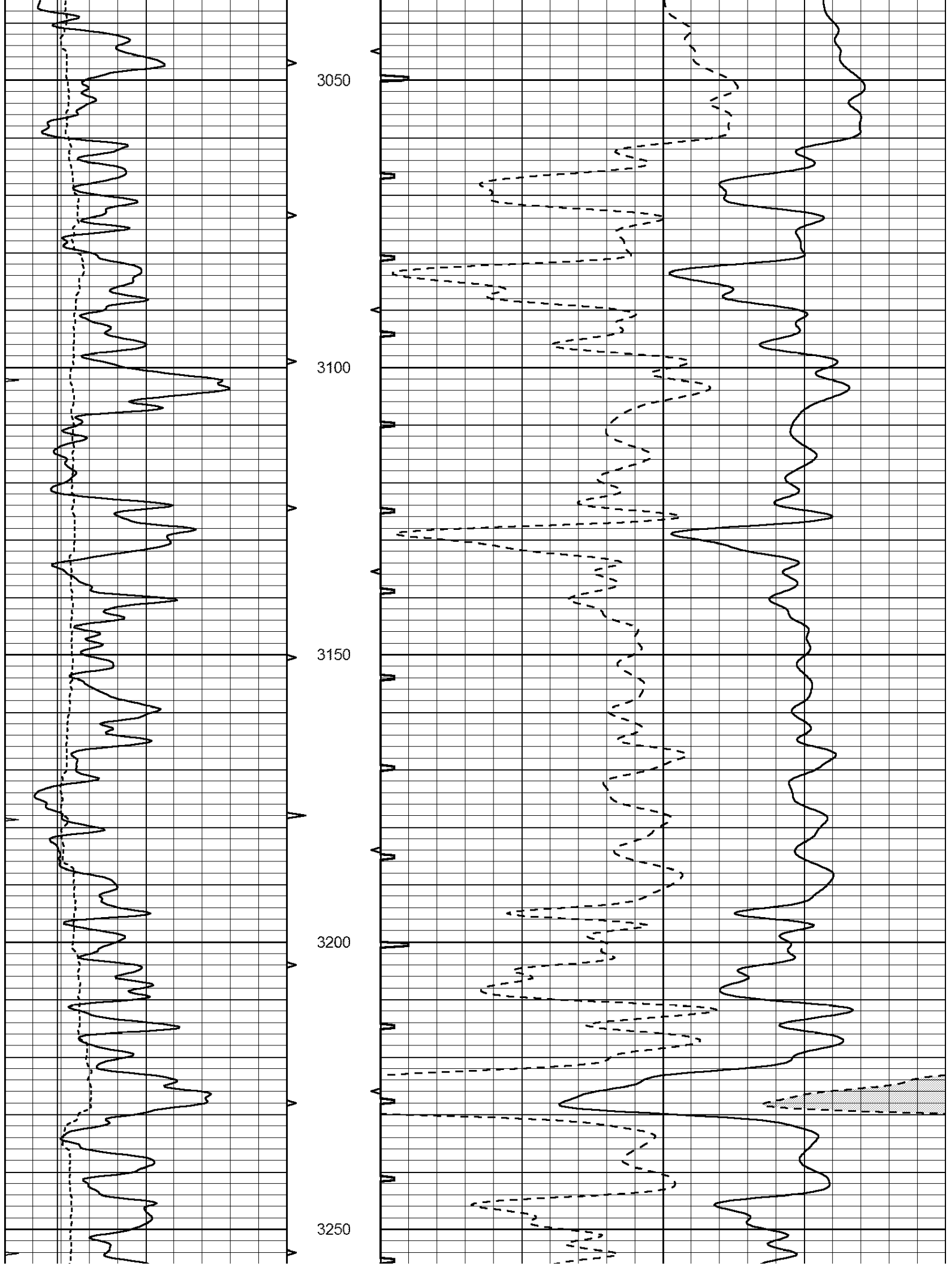
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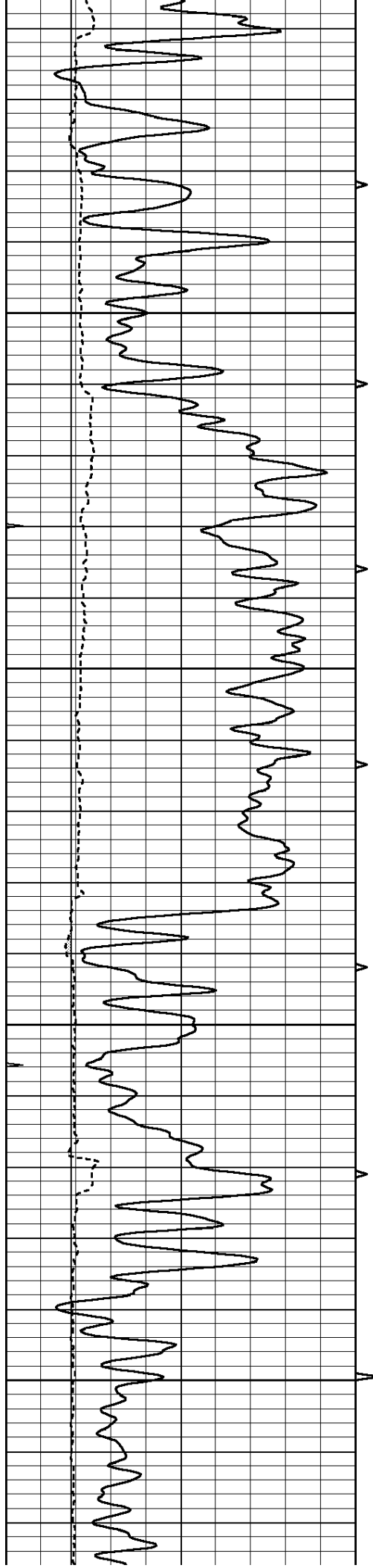
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3000





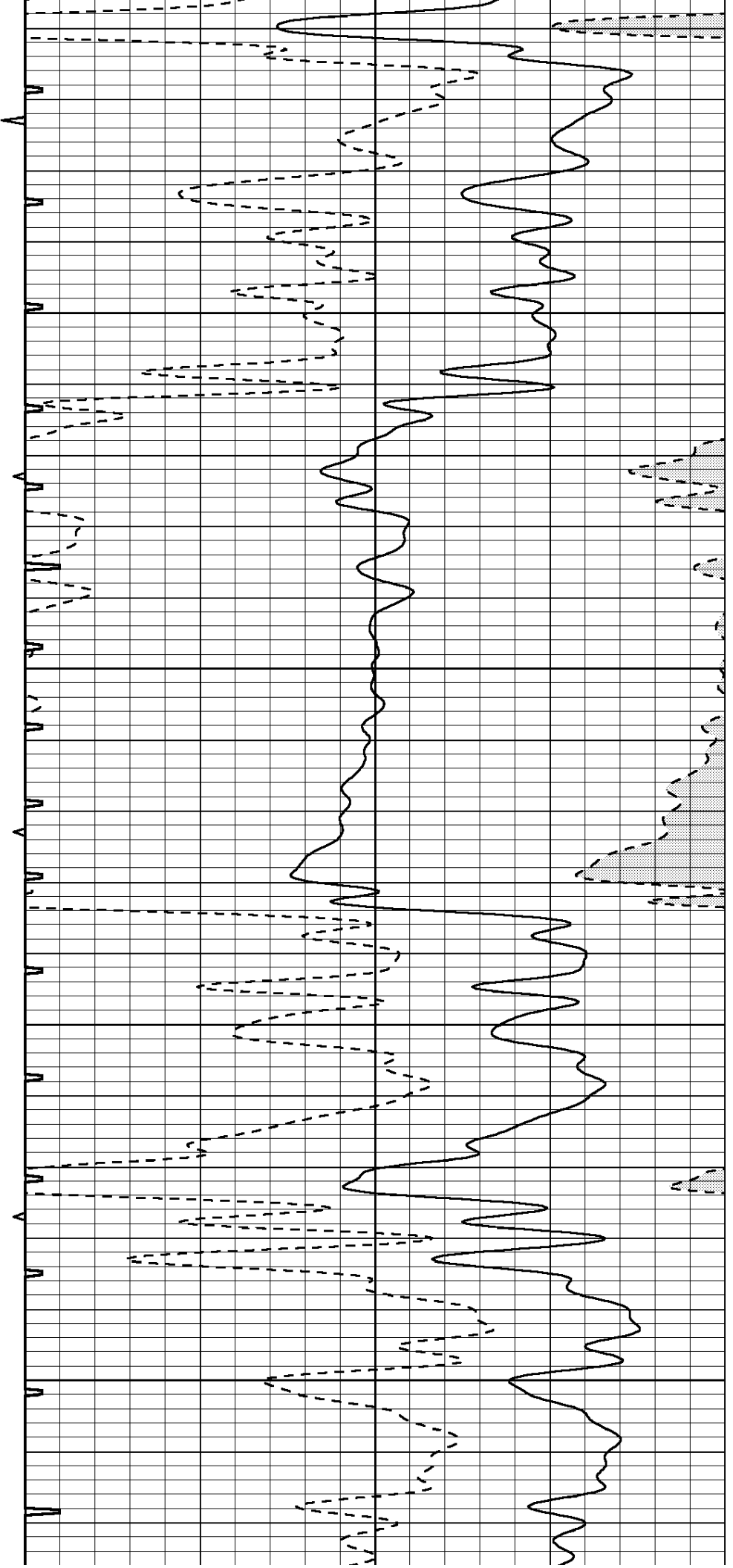


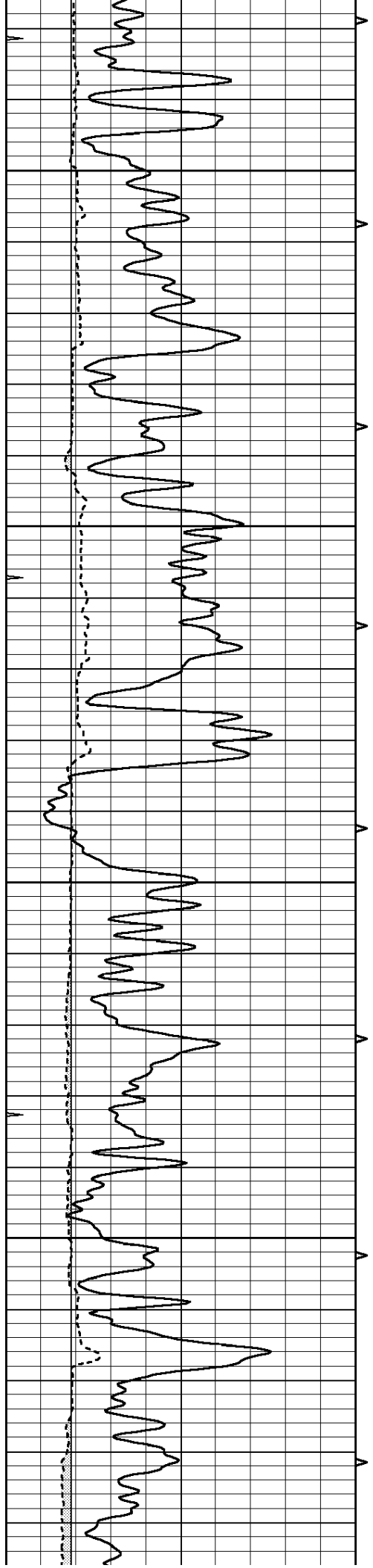
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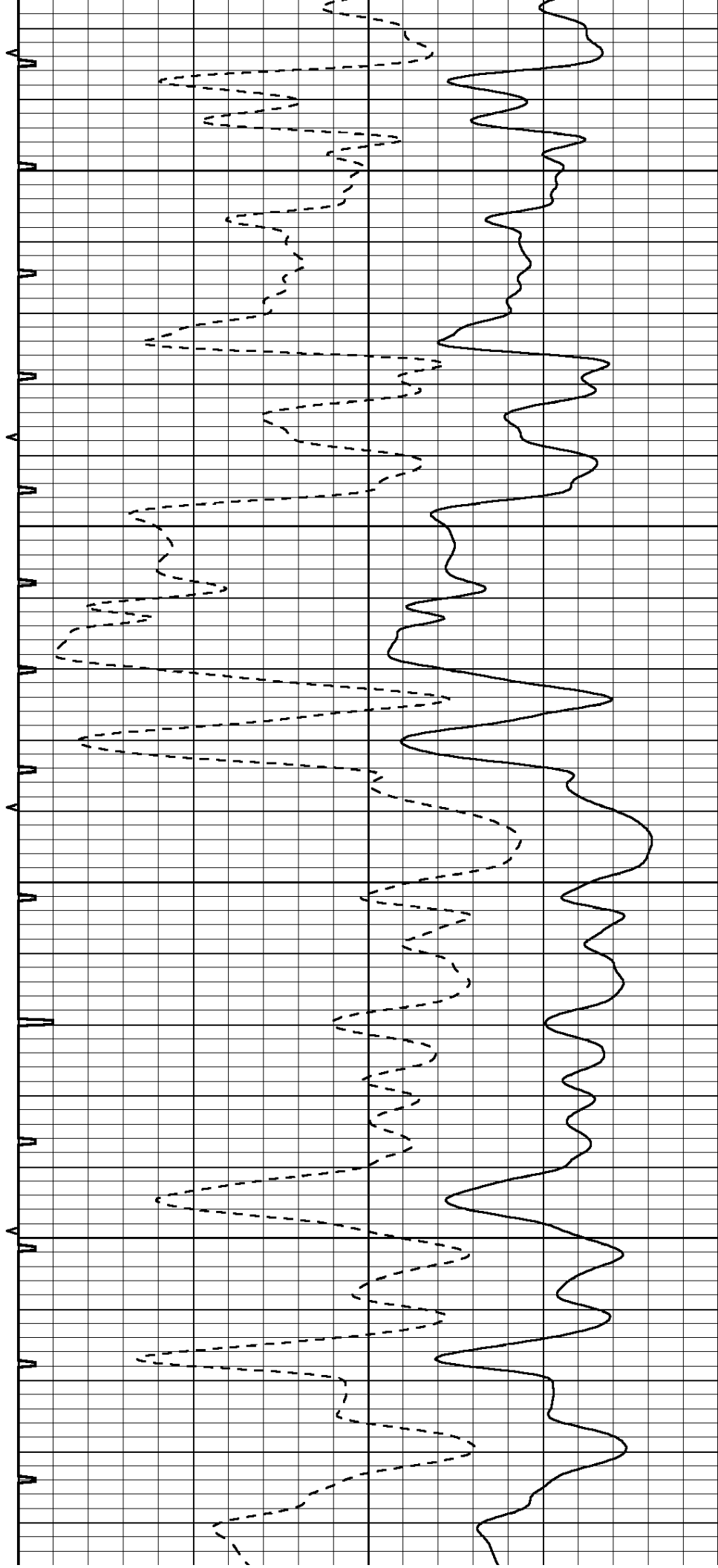


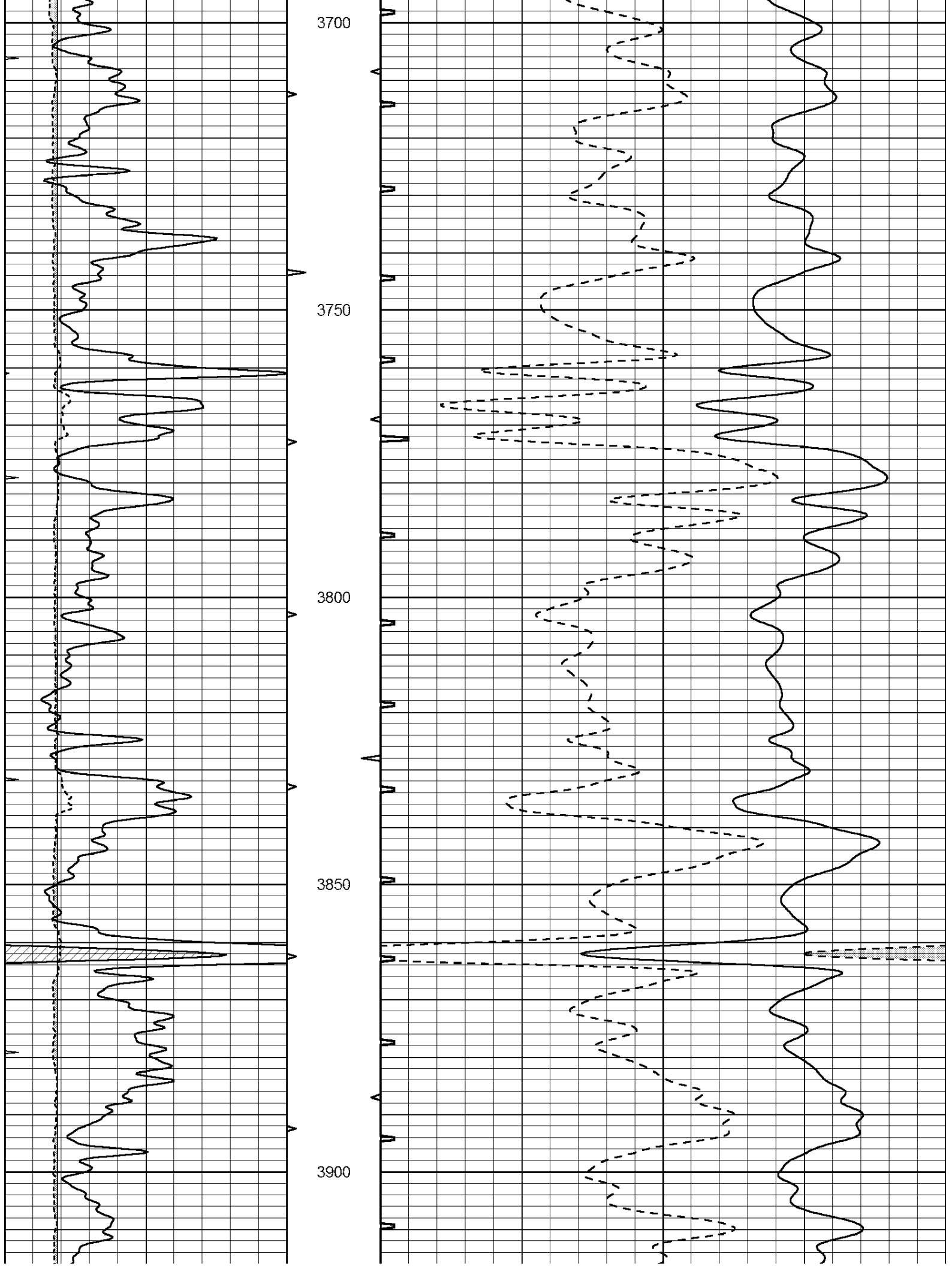
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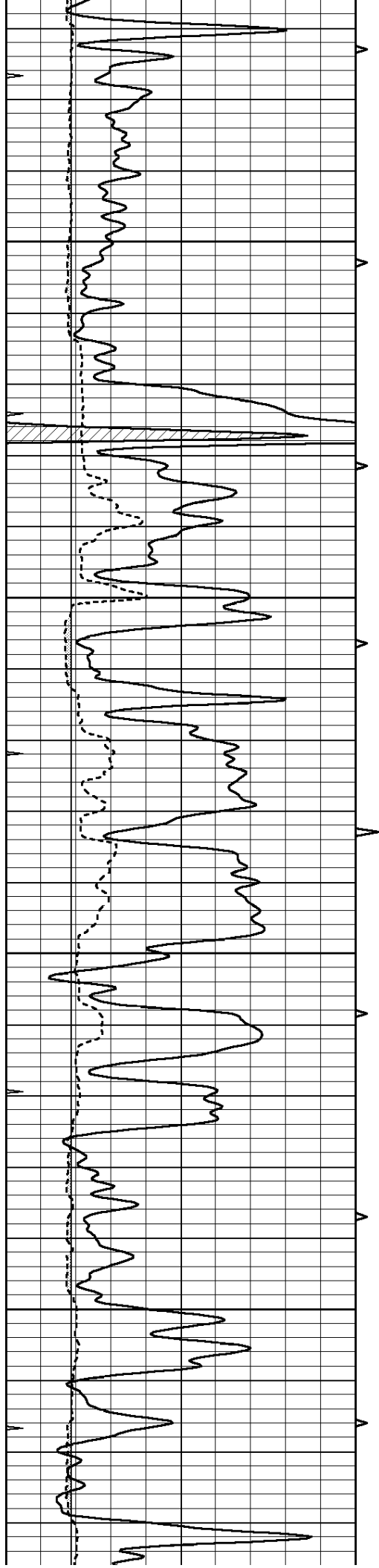
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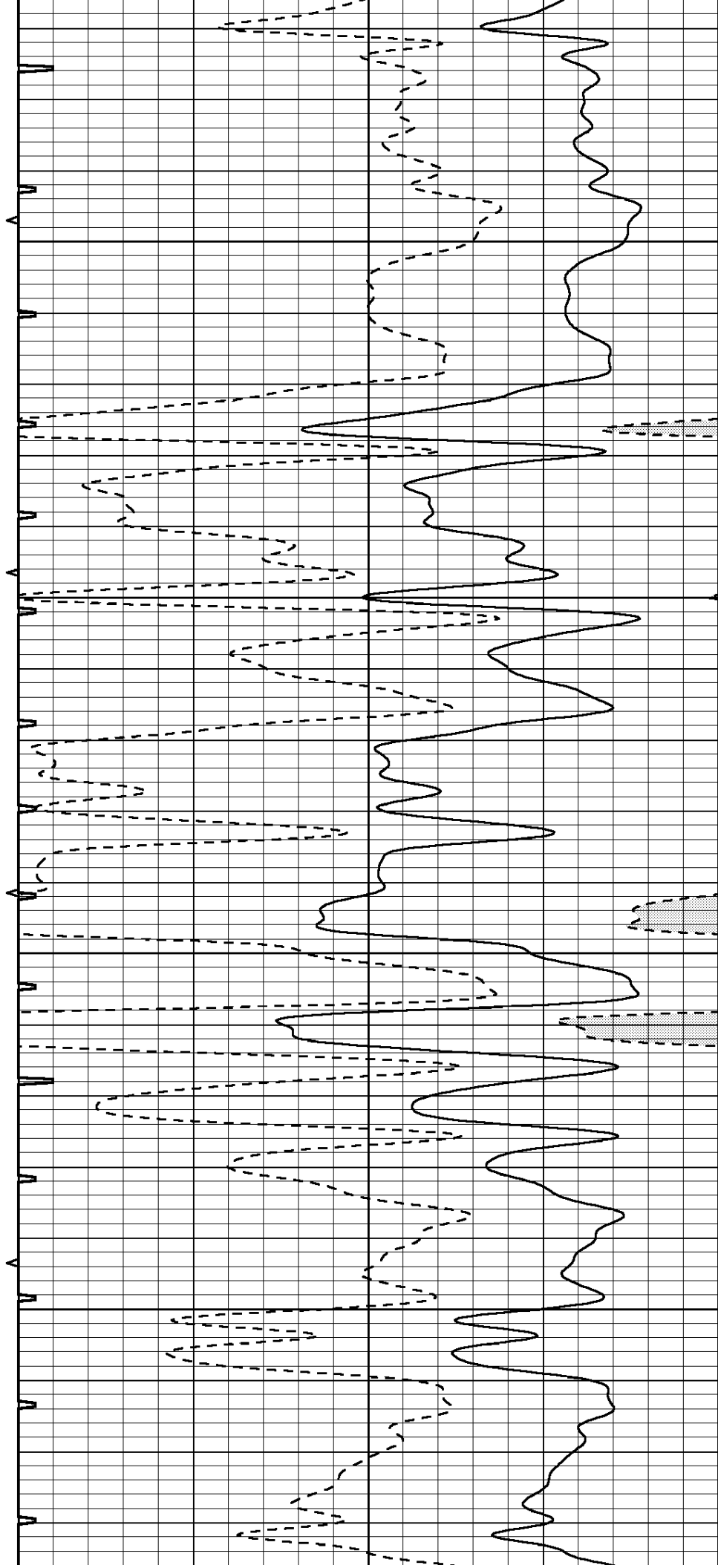


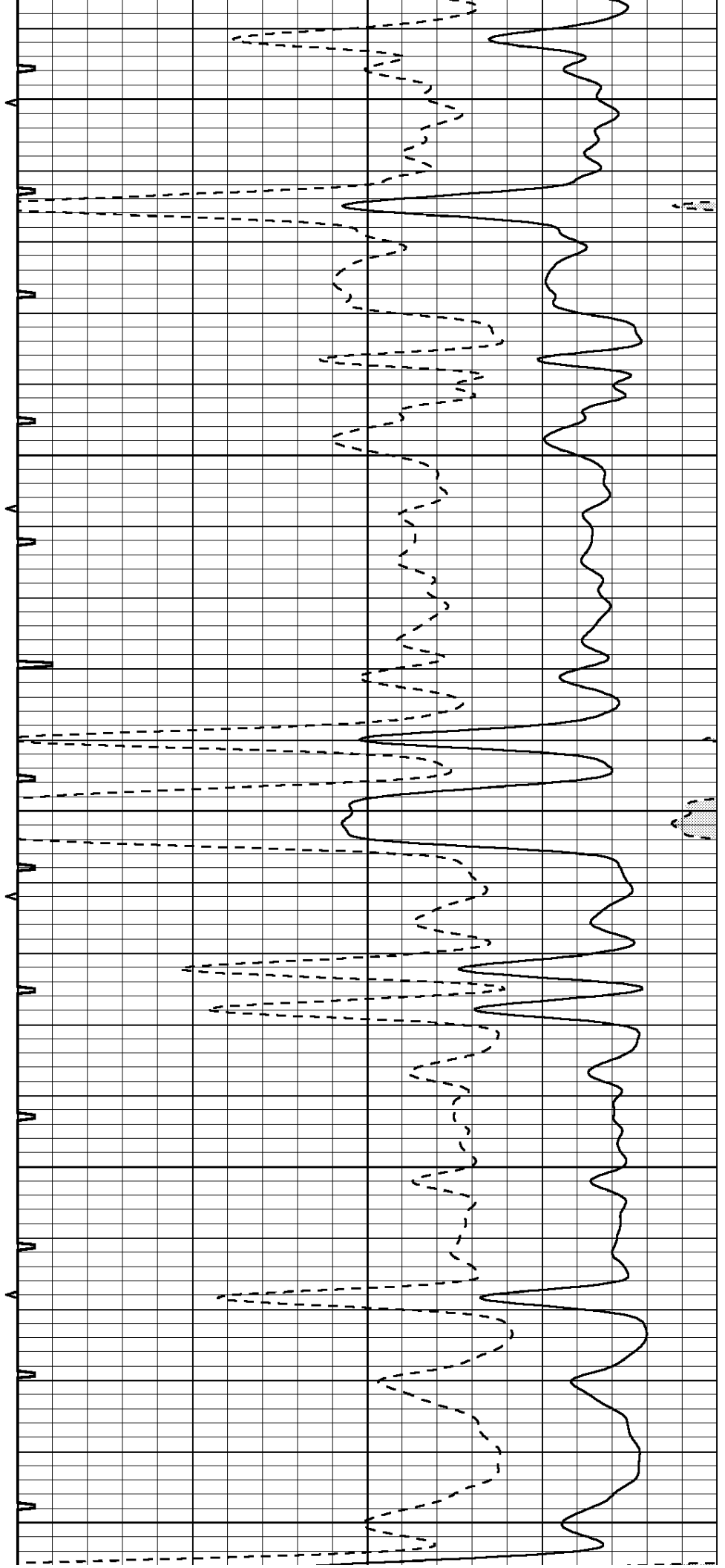
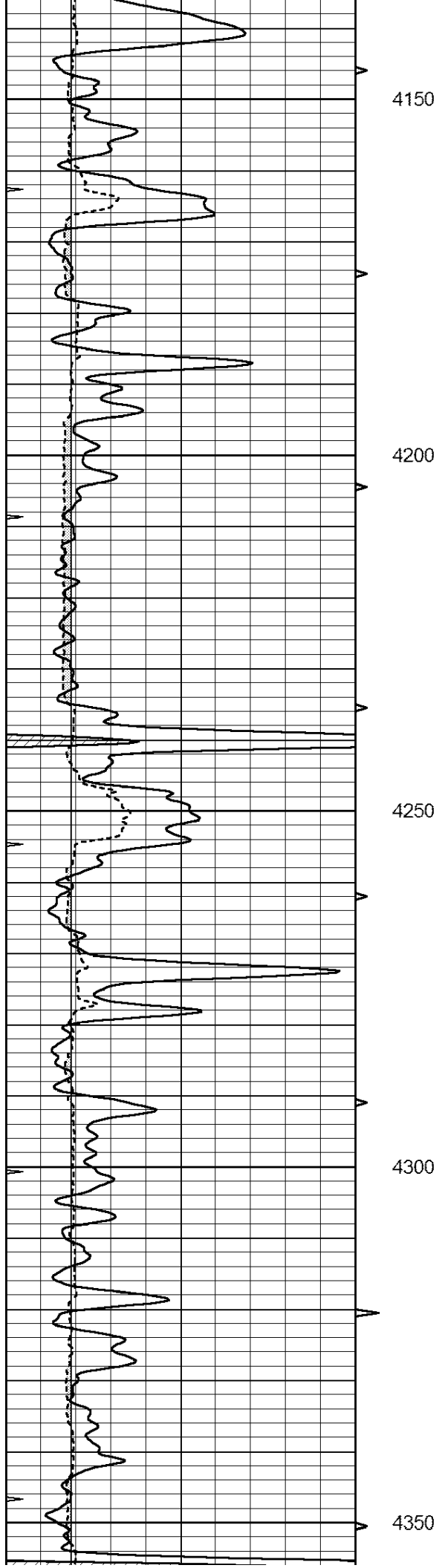
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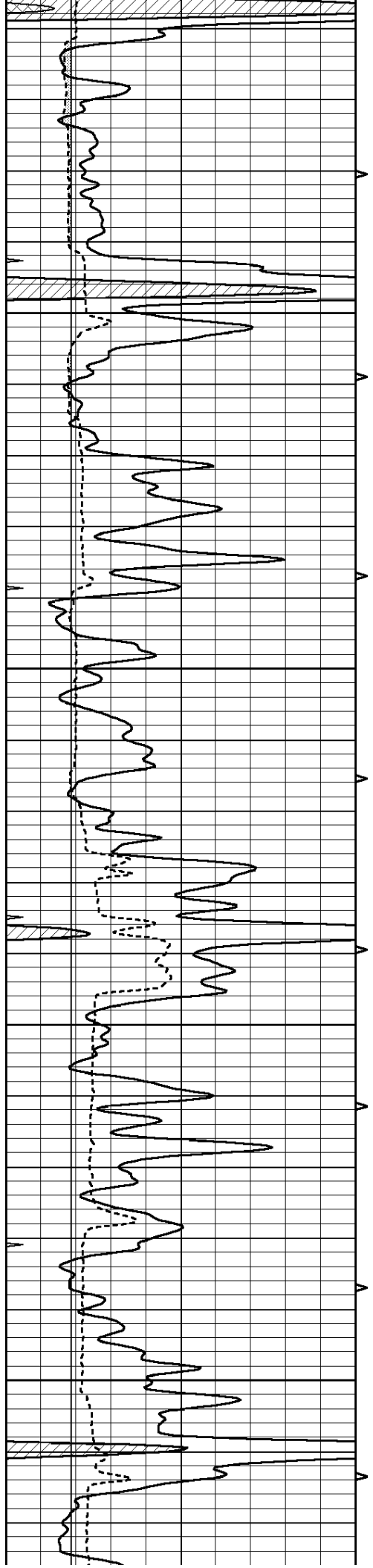
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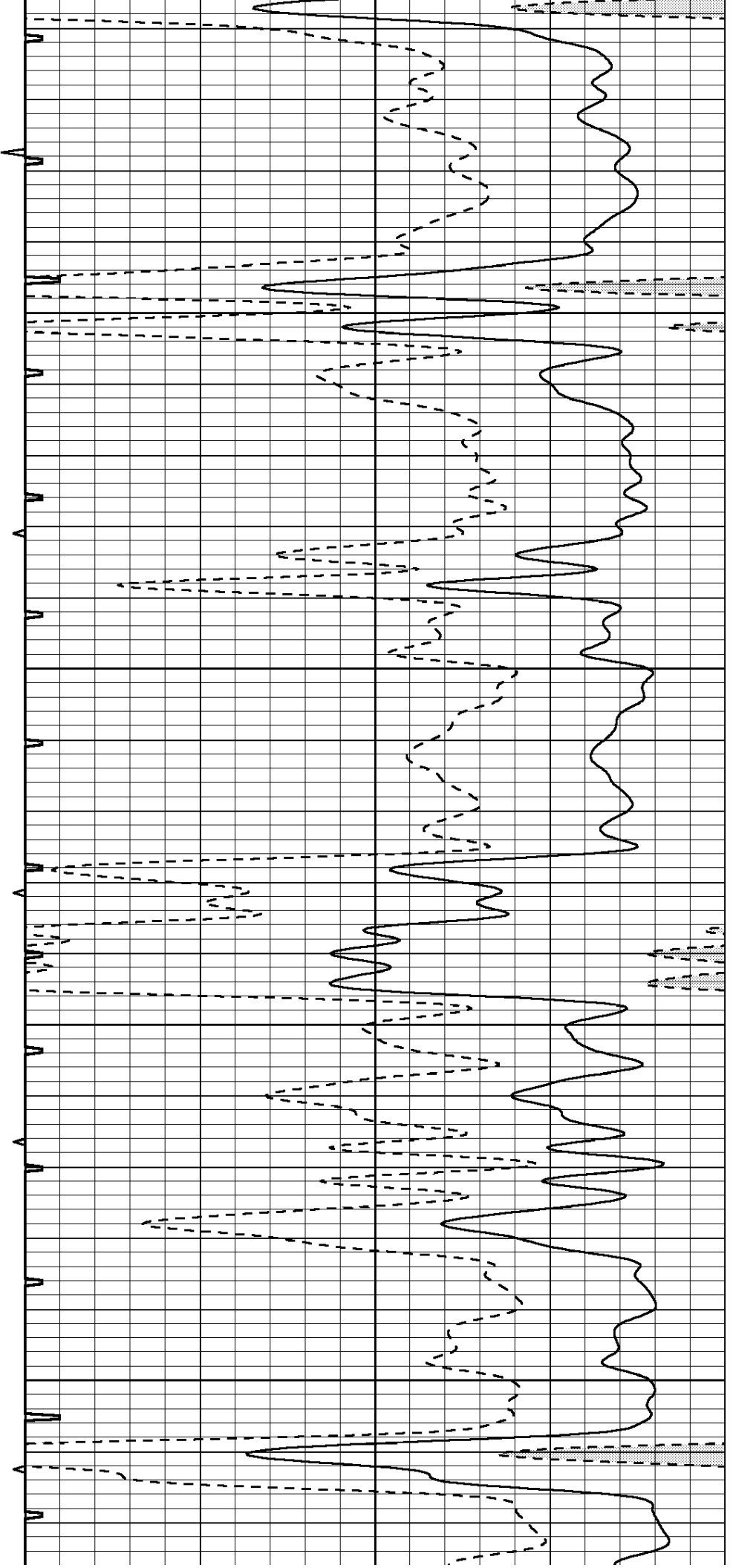


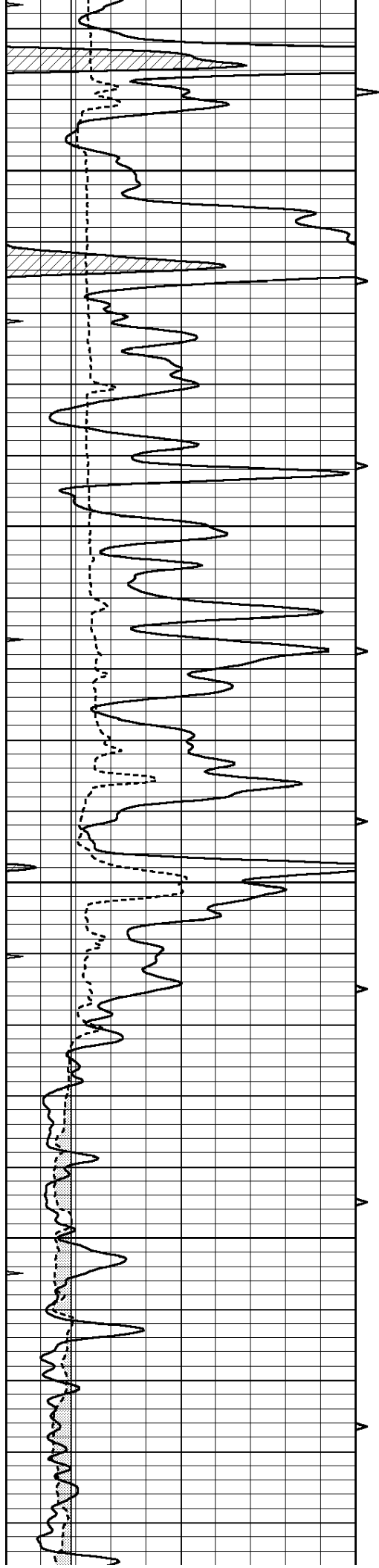
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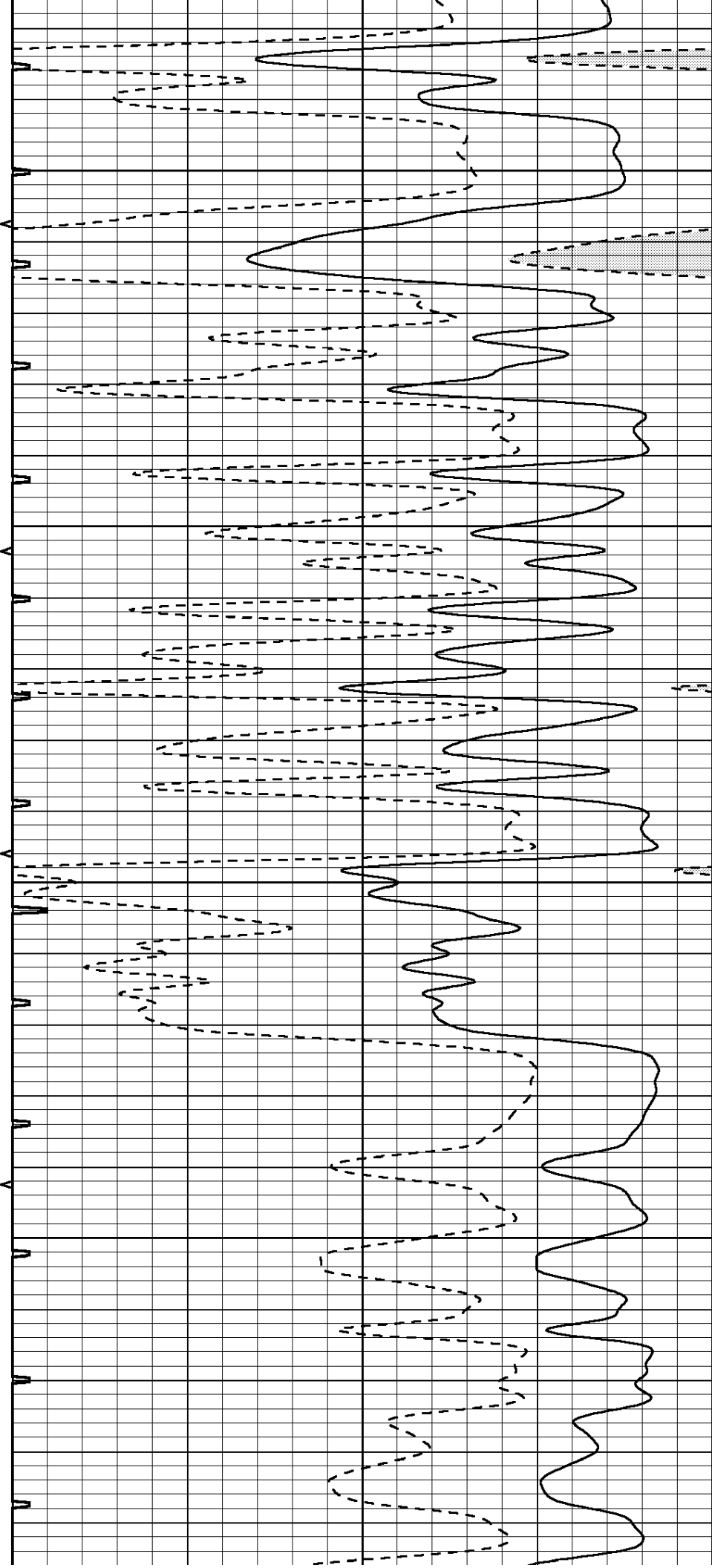


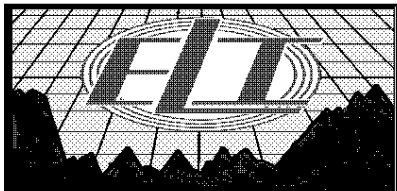
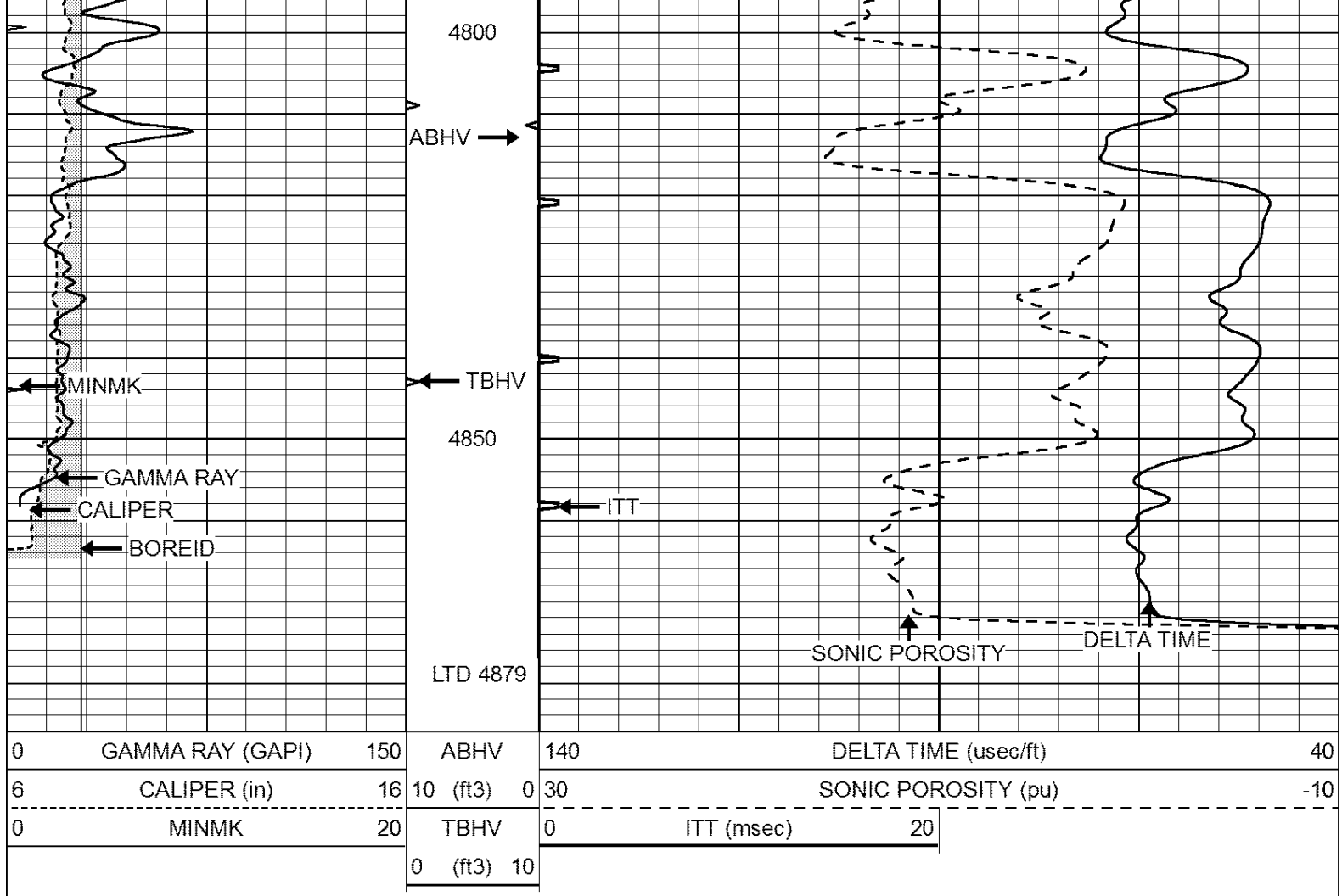
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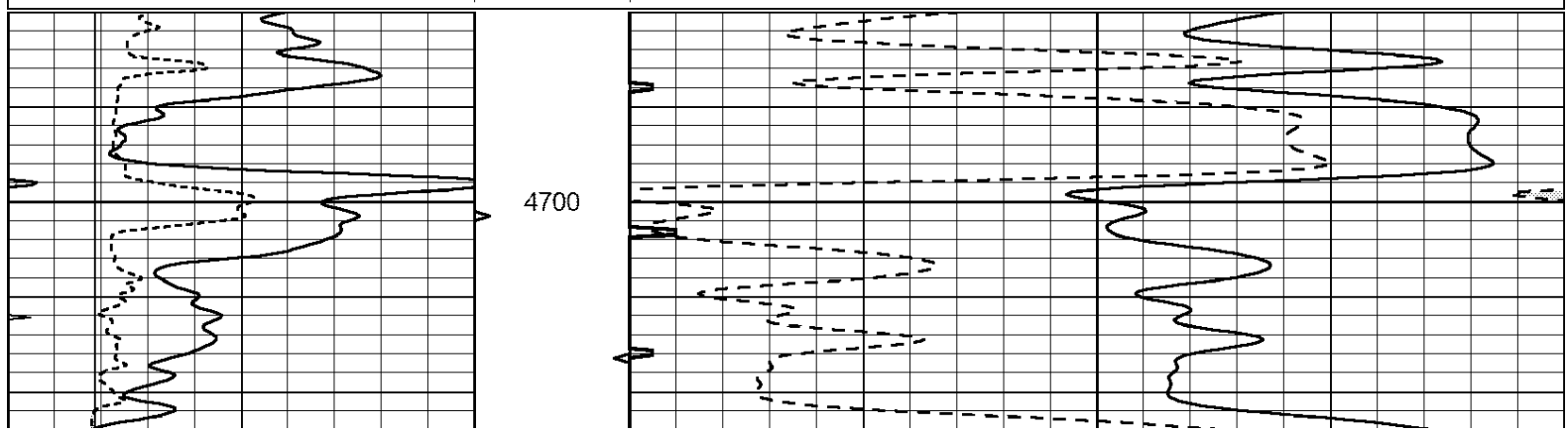
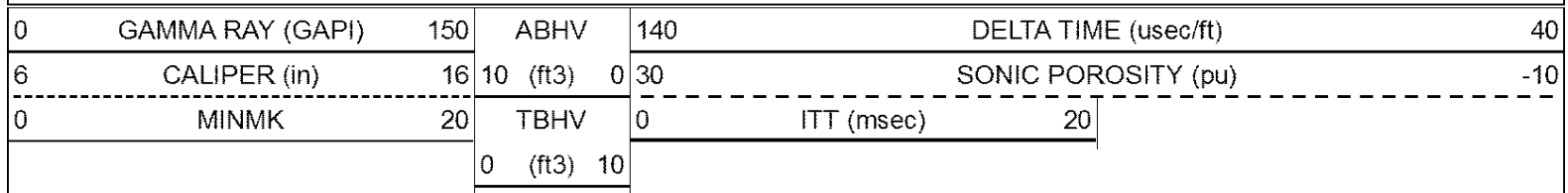
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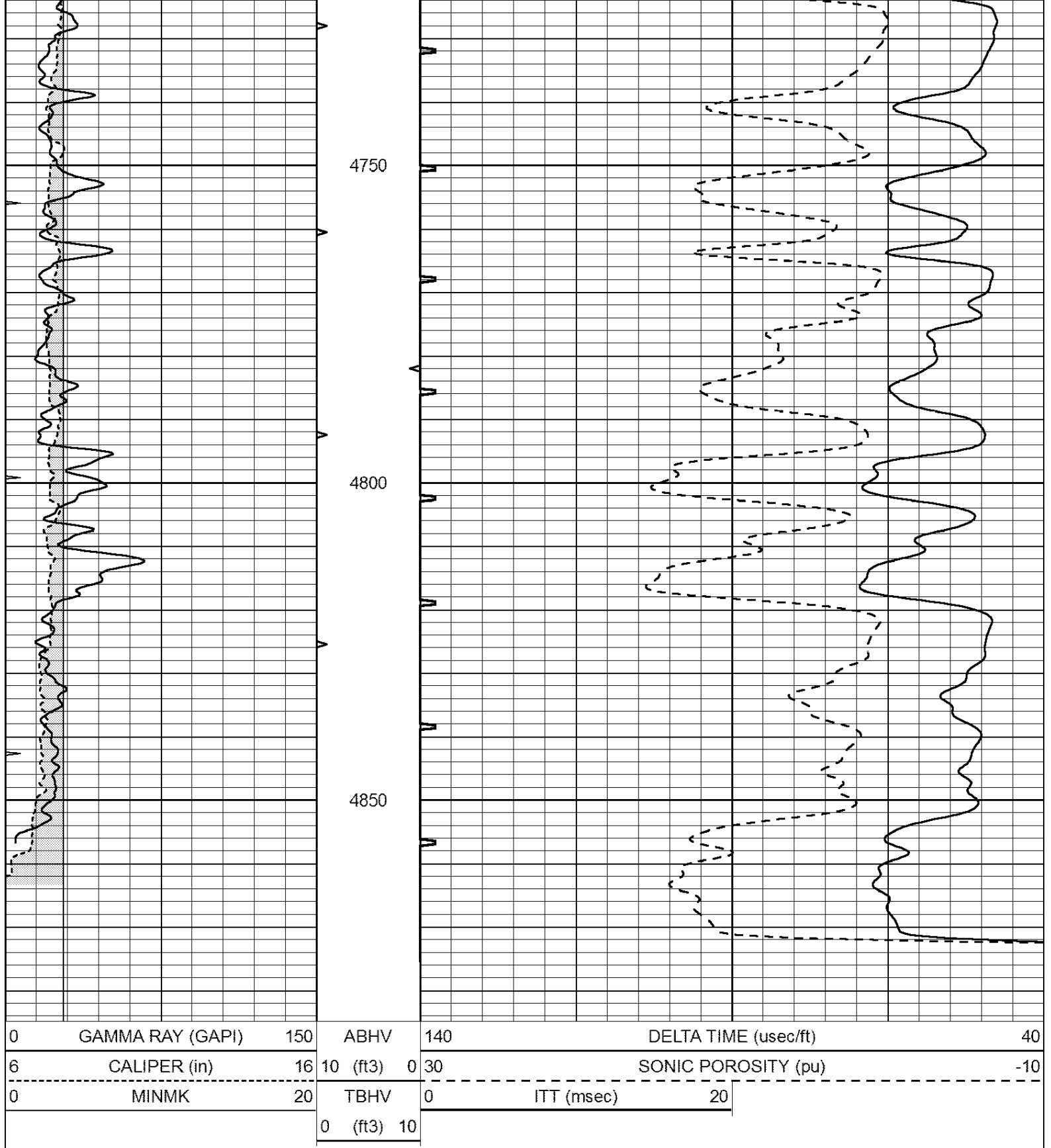




REPEAT SECTION

Database File: 2677pe.db
Dataset Pathname: pass5.1
Presentation Format: _slt
Dataset Creation: Wed May 16 17:27:28 2018 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: 2677pe.db
 Dataset Pathname: pass5.1
 Dataset Creation: Wed May 16 17:27:28 2018 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO6
 Tool Model: PROBE
 Performed: Wed May 09 00:54:36 2018

Caliper Calibration:	Gain=26.621	Offset=0.453
References	Low Cal 7.000	High Cal 14.000
Readings	0.217	0.478
1.5" Calibration:	Gain=31.075	Offset=-0.400
References	Low Cal 0.000	High Cal 20.000
Readings	0.004	1.196
2" Calibration:	Gain=43.000	Offset=-1.000
References	Low Cal 0.000	High Cal 20.000
Readings	0.006	0.913
Gamma Ray Calibration Report		
Serial Number:	#8	
Tool Model:	OPEN	
Performed:	Tue May 15 00:49:07 2018	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.9000	GAPI/cps