



SUPERIOR
Hays,
Kansas

SONIC LOG

Company	DOWNING - NELSON OIL CO. INC.		
Well	ELSIE HERMAN #1-32		
Field	WILDCAT		
County	RUSH		
State	KANSAS		
Company	DOWNING - NELSON OIL COMPANY, INC.		
Well	ELSIE HERMAN #1-32		
Field	WILDCAT		
County	RUSH		
State	KANSAS		
Location:	API # : 15-165-21962-0000		Other Services CDL/CNL DIL/MEL
	1820' FNL & 2180' FWL SW - NE - SE - NW		
Permanent Datum	GROUND LEVEL		Elevation
Log Measured From	KELLY BUSHING 8' A.G.L.		2087
Drilling Measured From	KELLY BUSHING		K.B. 2095 D.F. 2093 G.L. 2087
Date	2/22/12		
Run Number	TWO		
Depth Driller	3893		
Depth Logger	3893		
Bottom Logged Interval	3883		
Top Log Interval	1200		
Casing Driller	8 5/8"@1271'		
Casing Logger	1270		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		CHLORIDES 2,400 PPM
Density / Viscosity	9.4/53		
pH / Fluid Loss	10.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.700@76F		
Rmt @ Meas. Temp	.525@76F		
Rmc @ Meas. Temp	.840@76F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.463@115F		
Time Circulation Stopped	4 HOURS		
Time Logger on Bottom	5:00 P.M.		
Maximum Recorded Temperature	115F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	AL DOWNING		

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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 SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
LACROSSE, KS., 1W. ON HWY 4 TO RR TRACKS, 1S., 1/2W., 1/2N. INTO

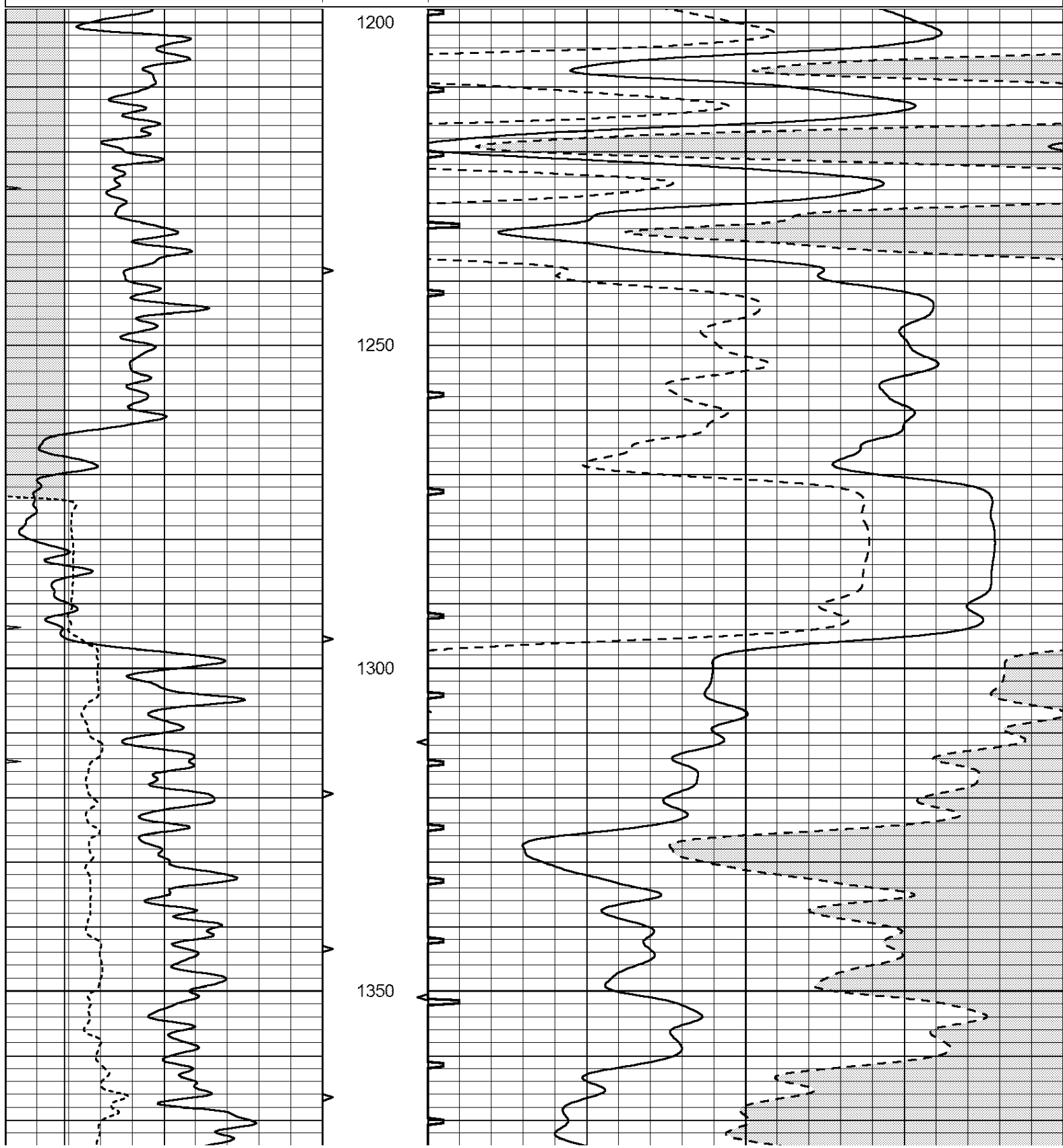


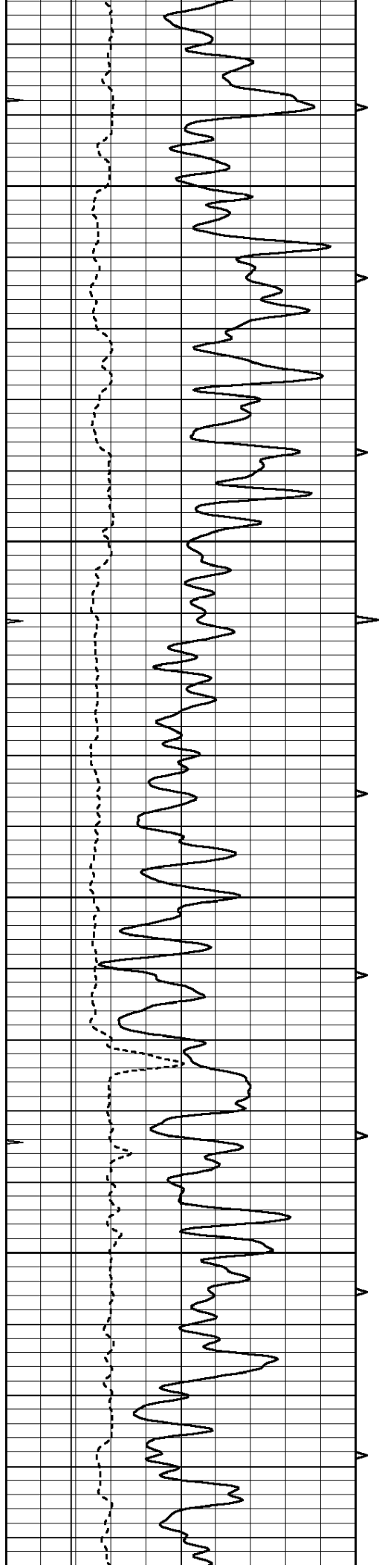
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MAIN SECTION

Database File: 408416ddn.db
 Dataset Pathname: pass6.5
 Presentation Format: slt
 Dataset Creation: Wed Feb 22 20:16:31 2012 by Calc Open-Cased 110302
 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			



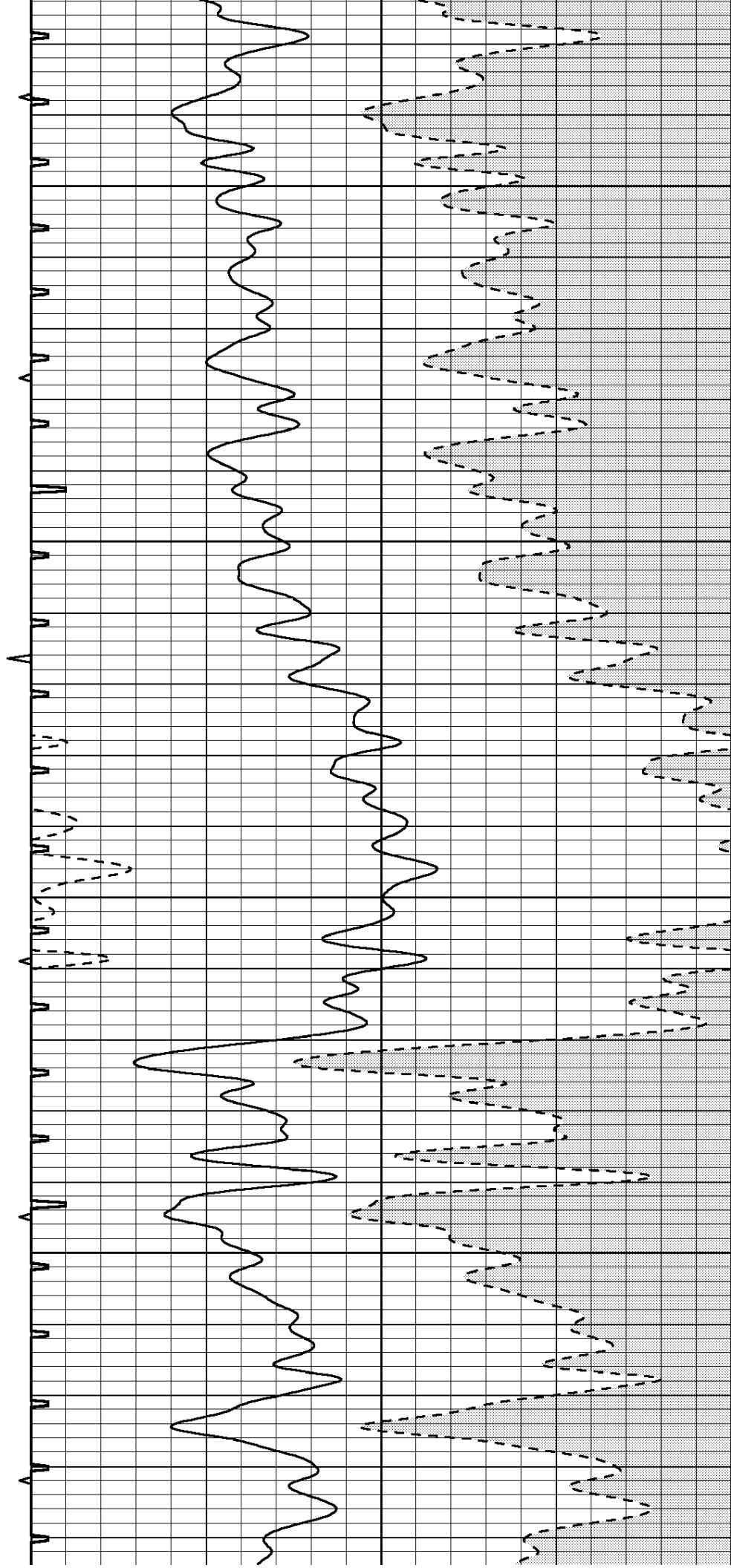


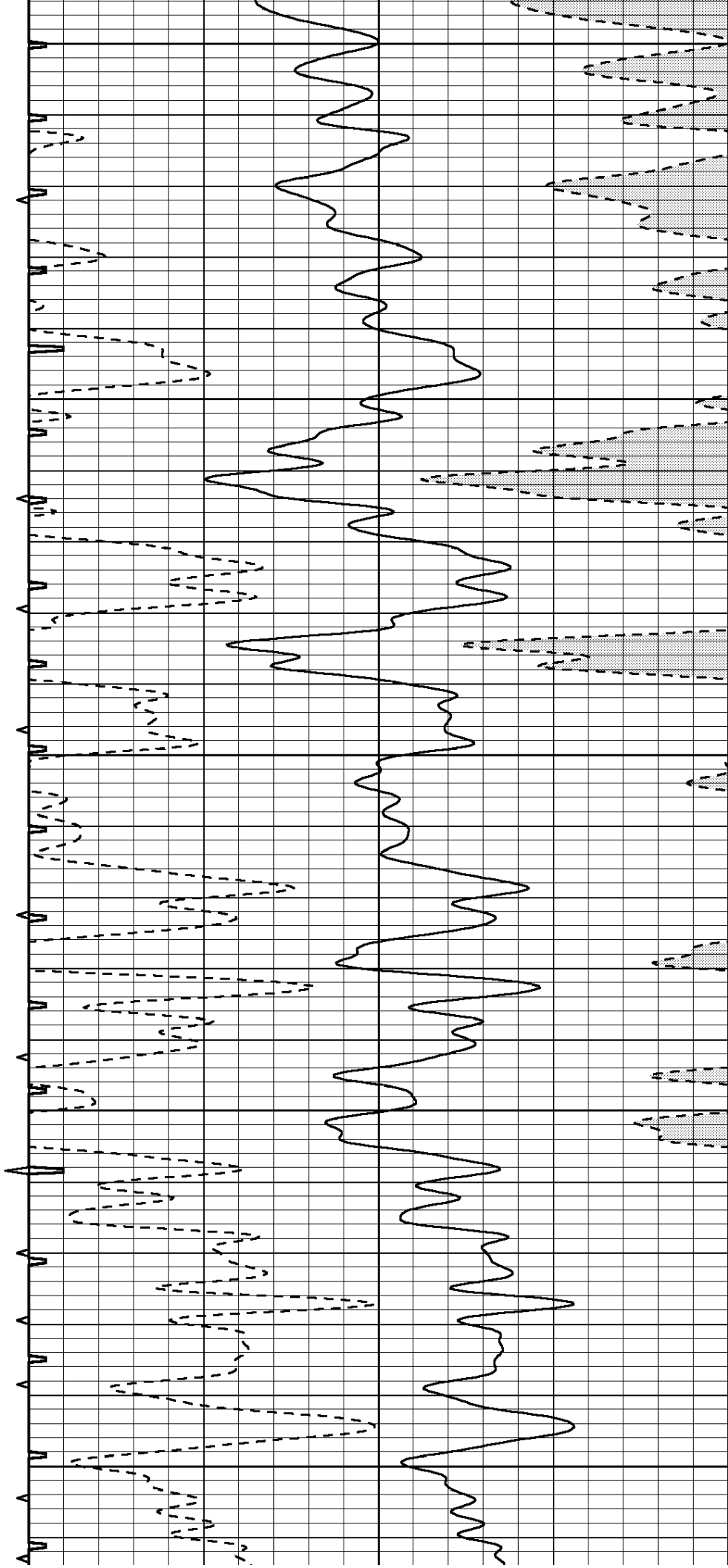
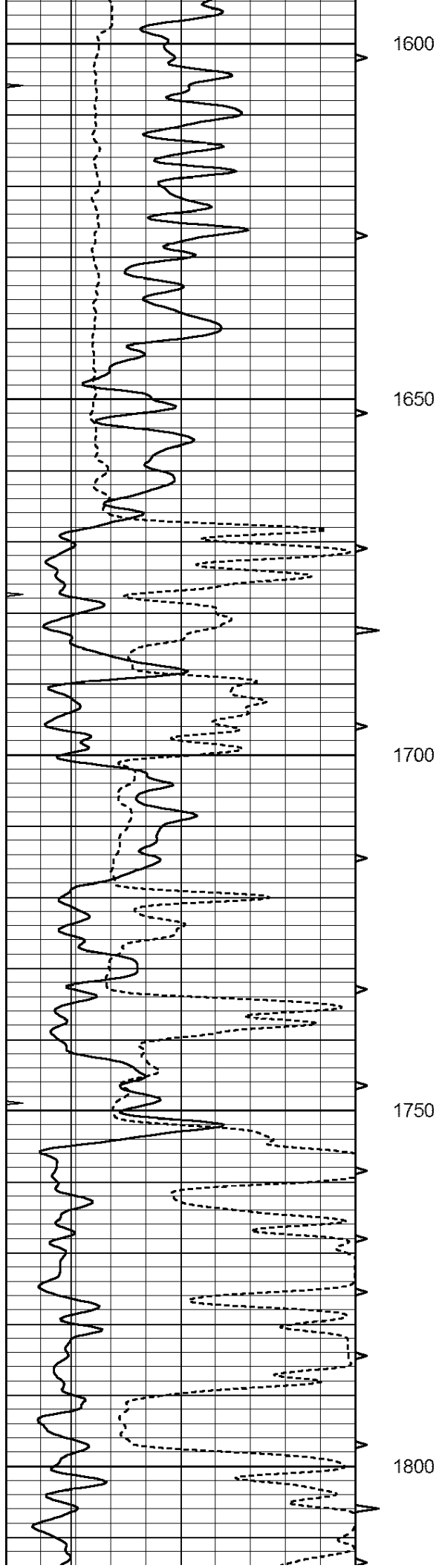
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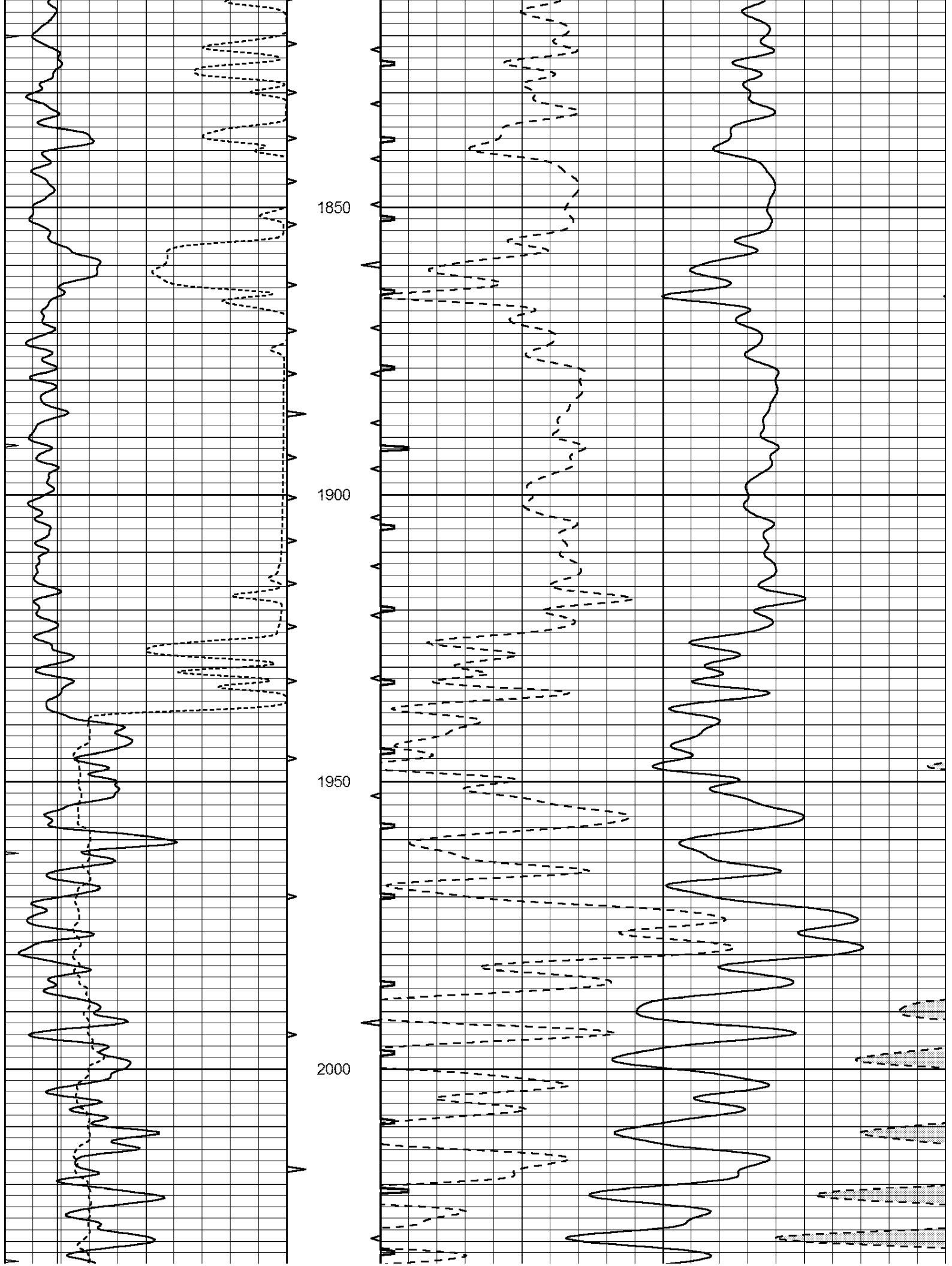
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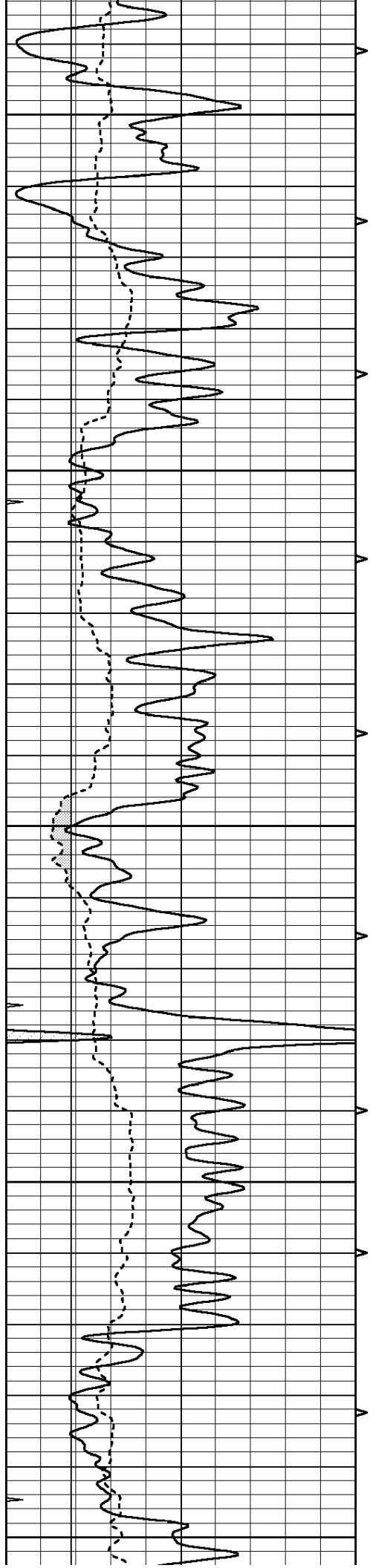
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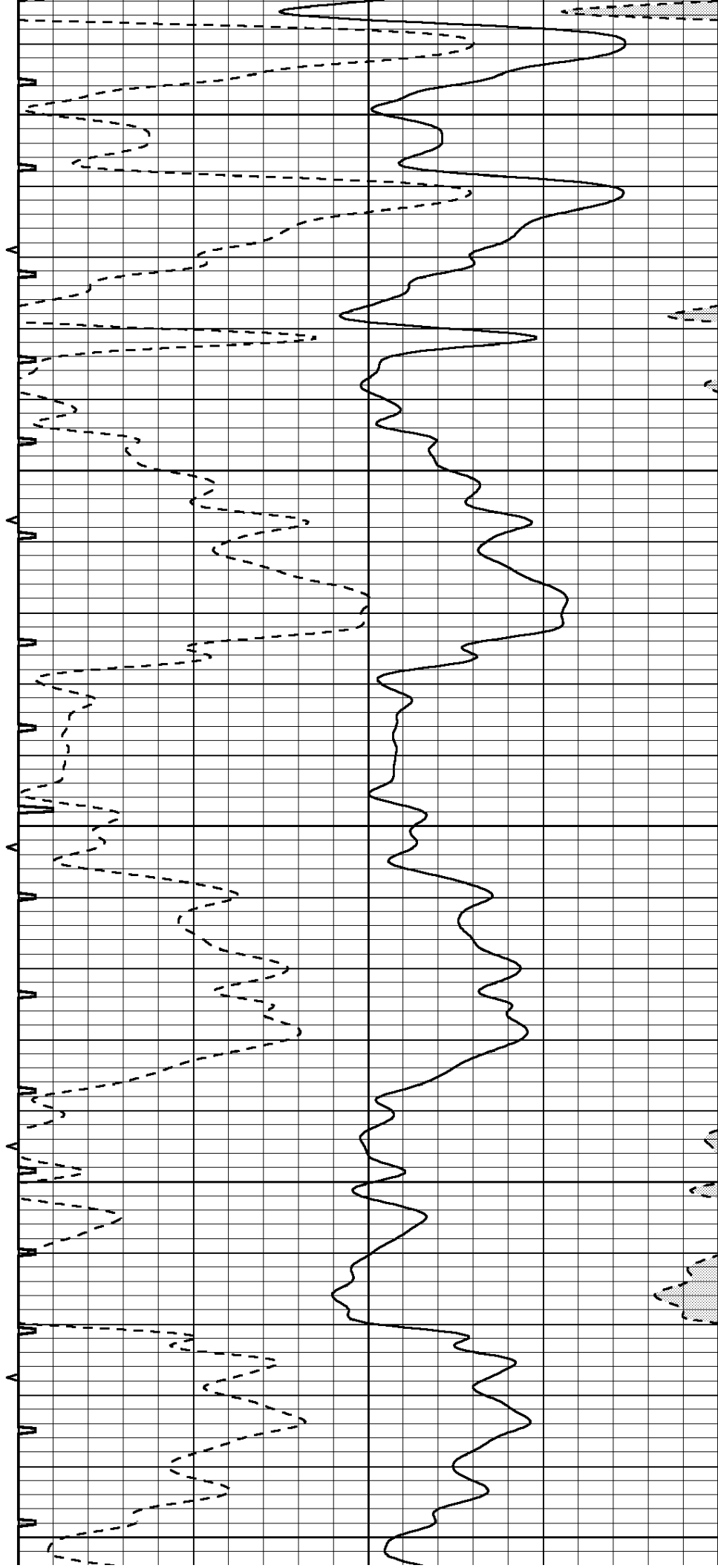
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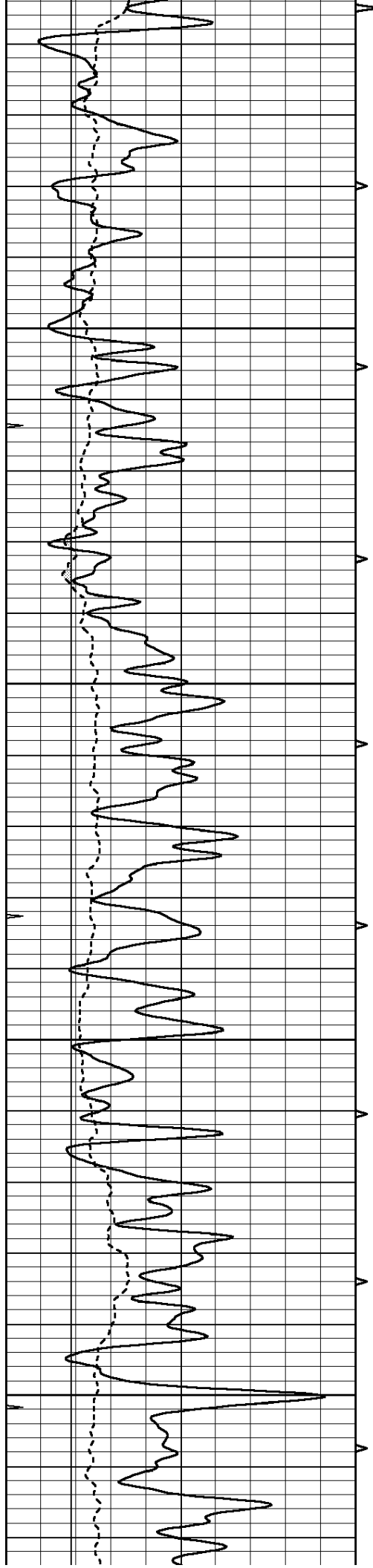
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2250



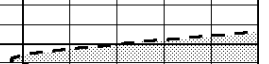
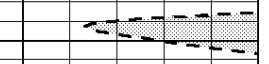
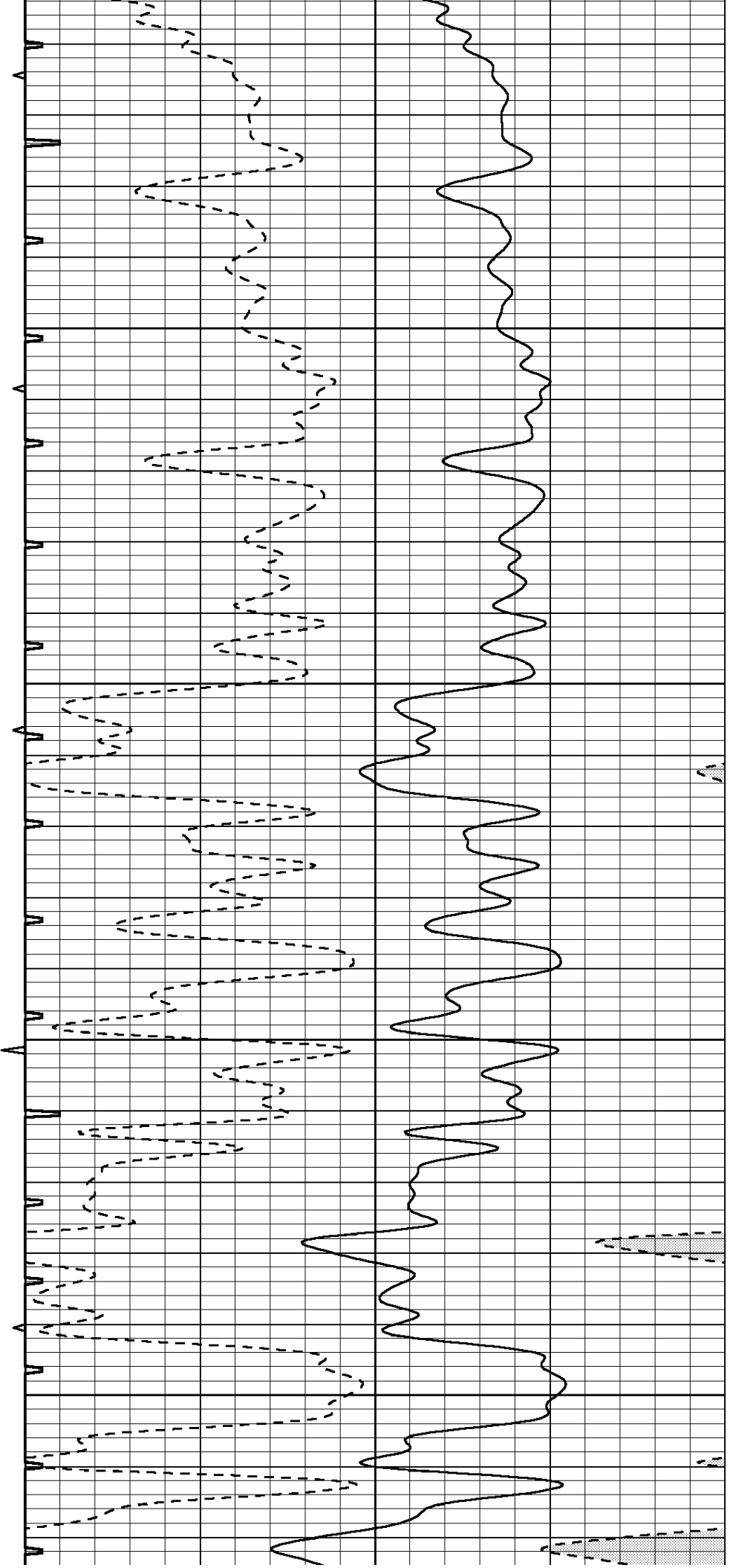


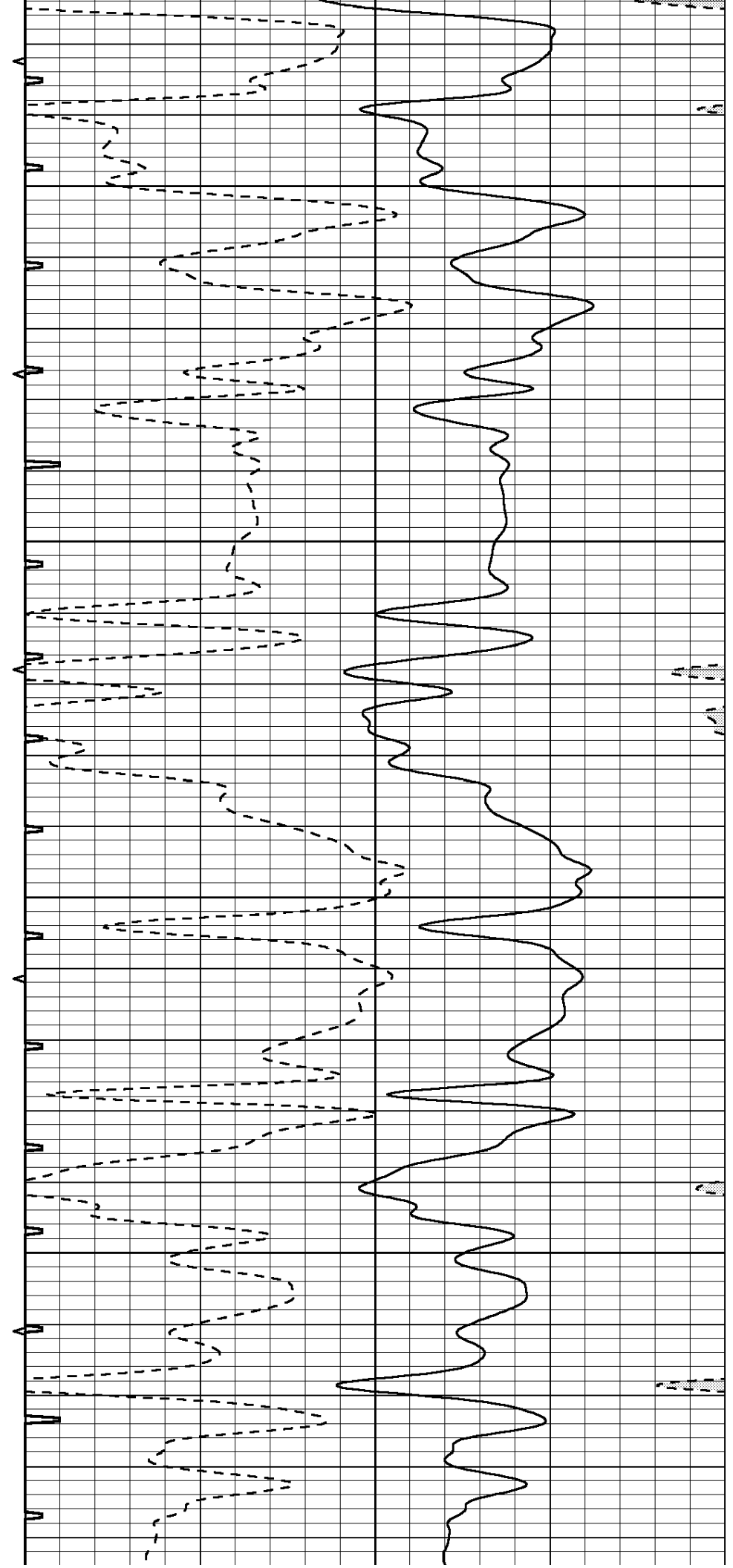
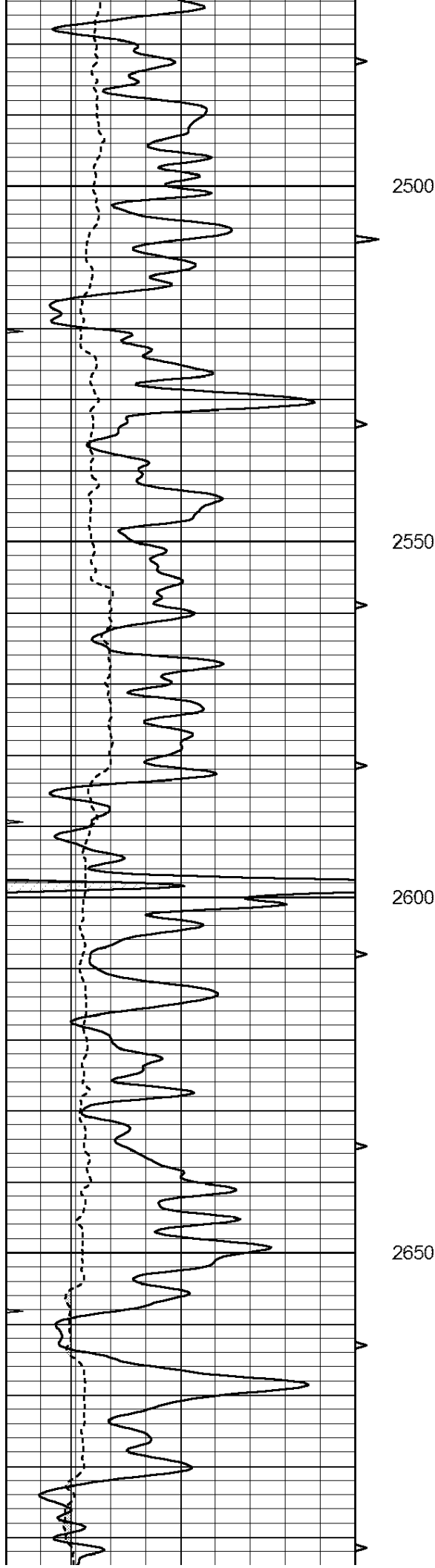
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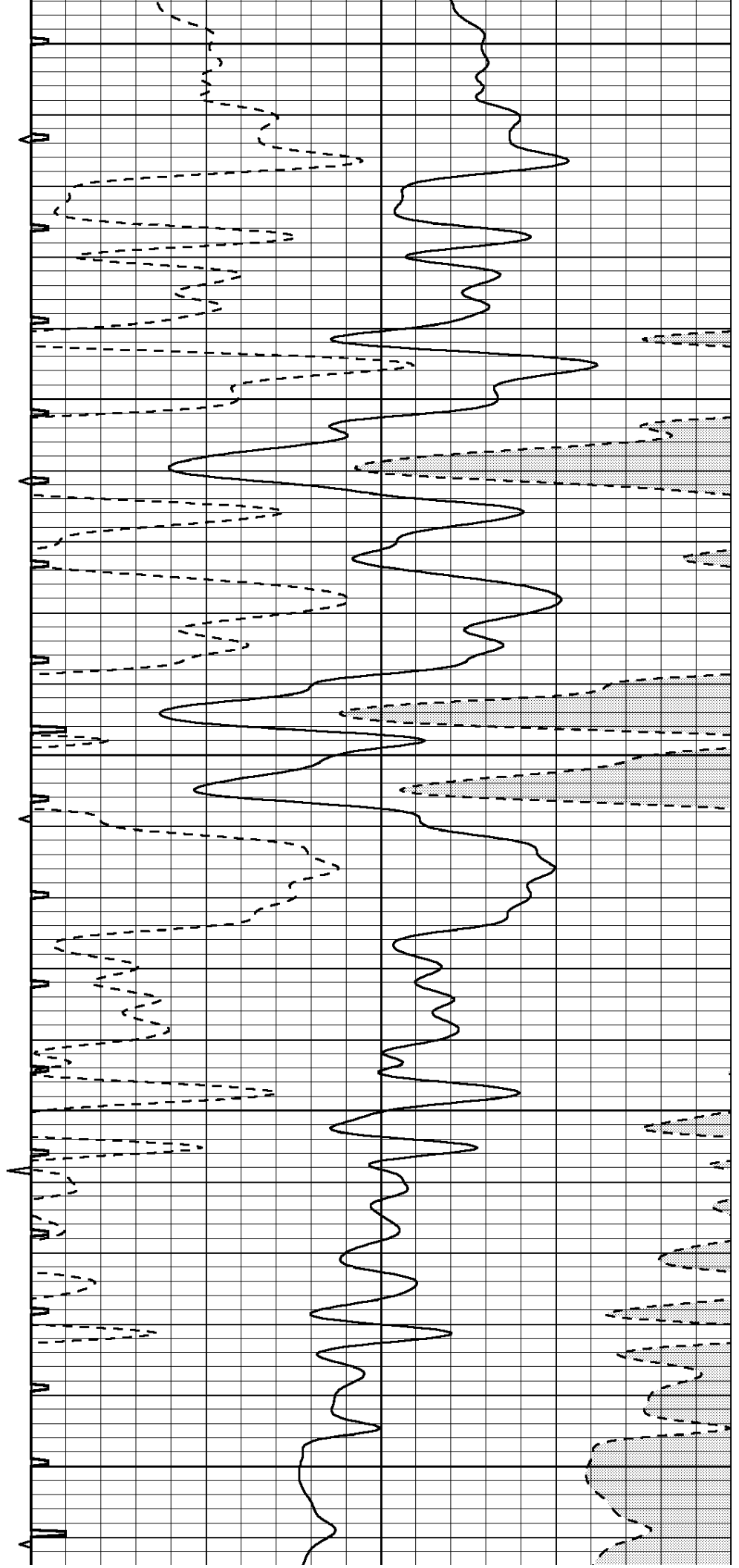
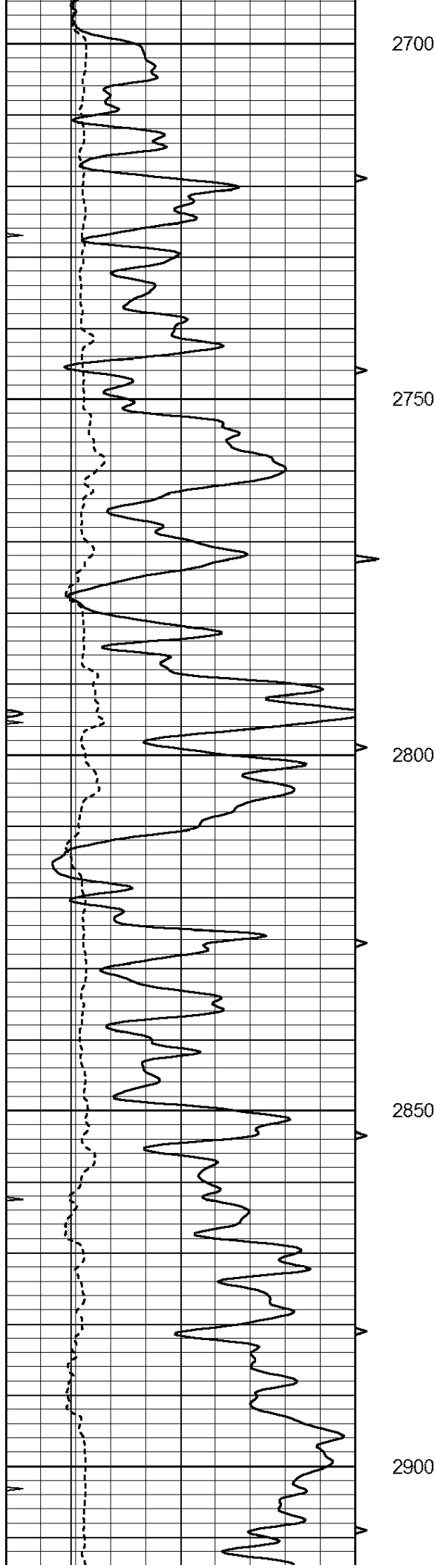
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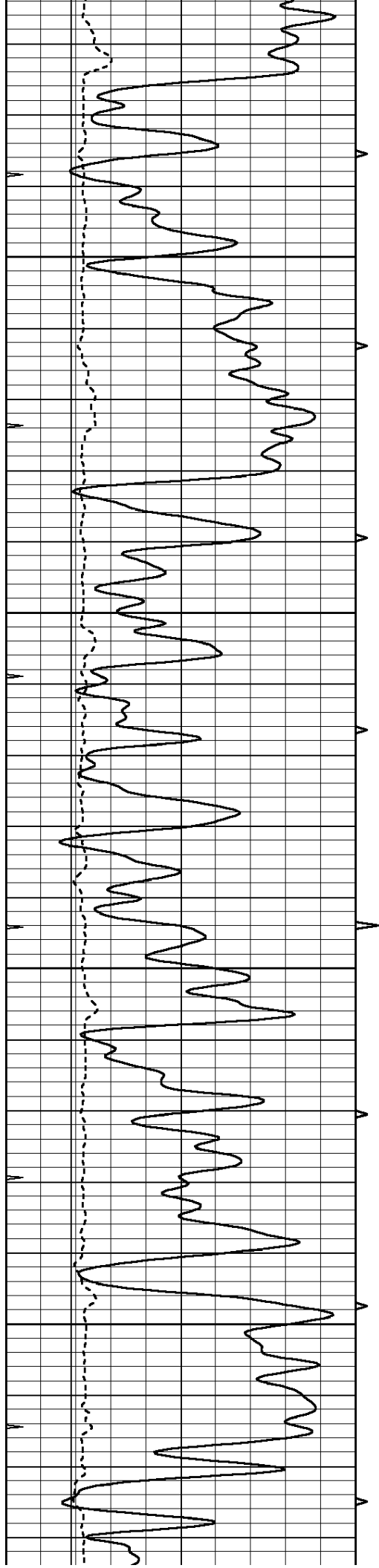
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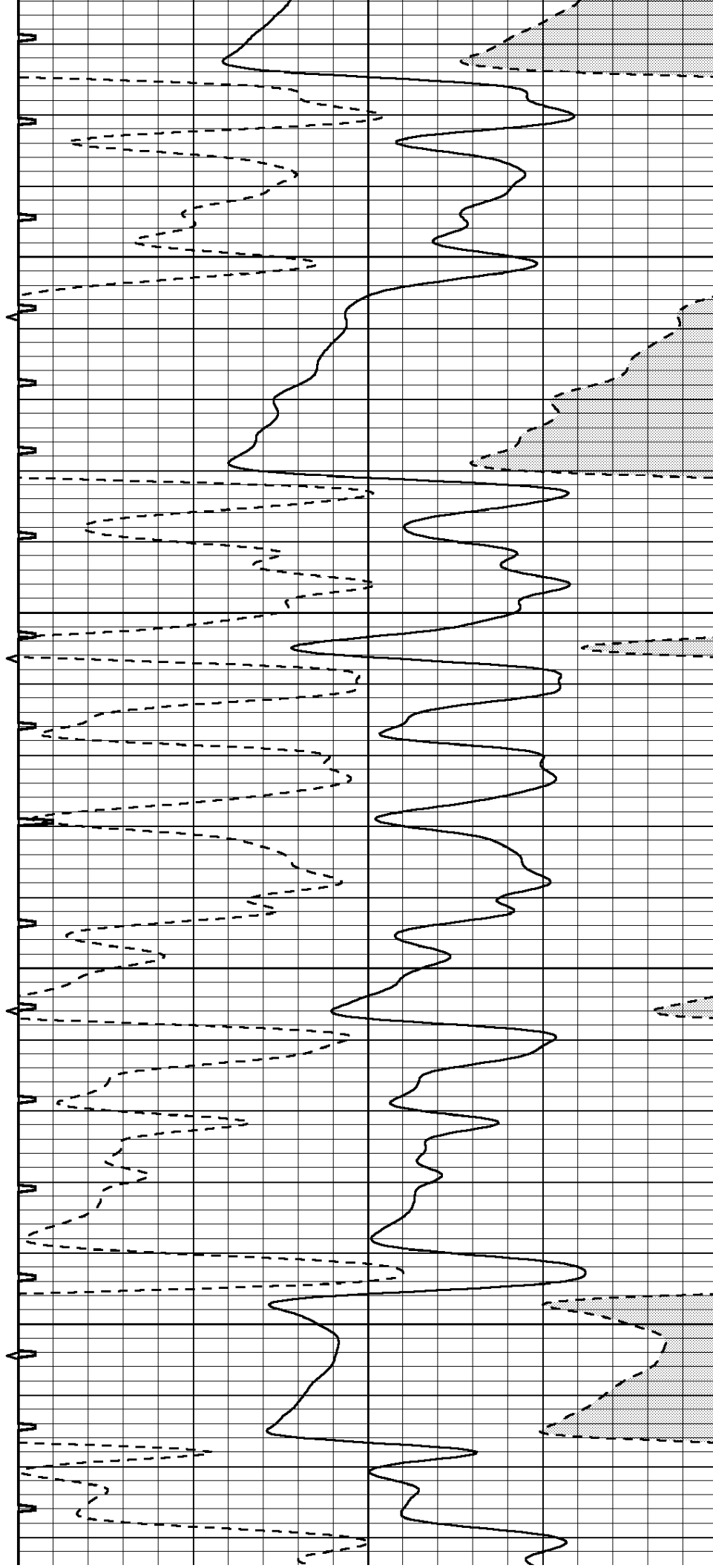


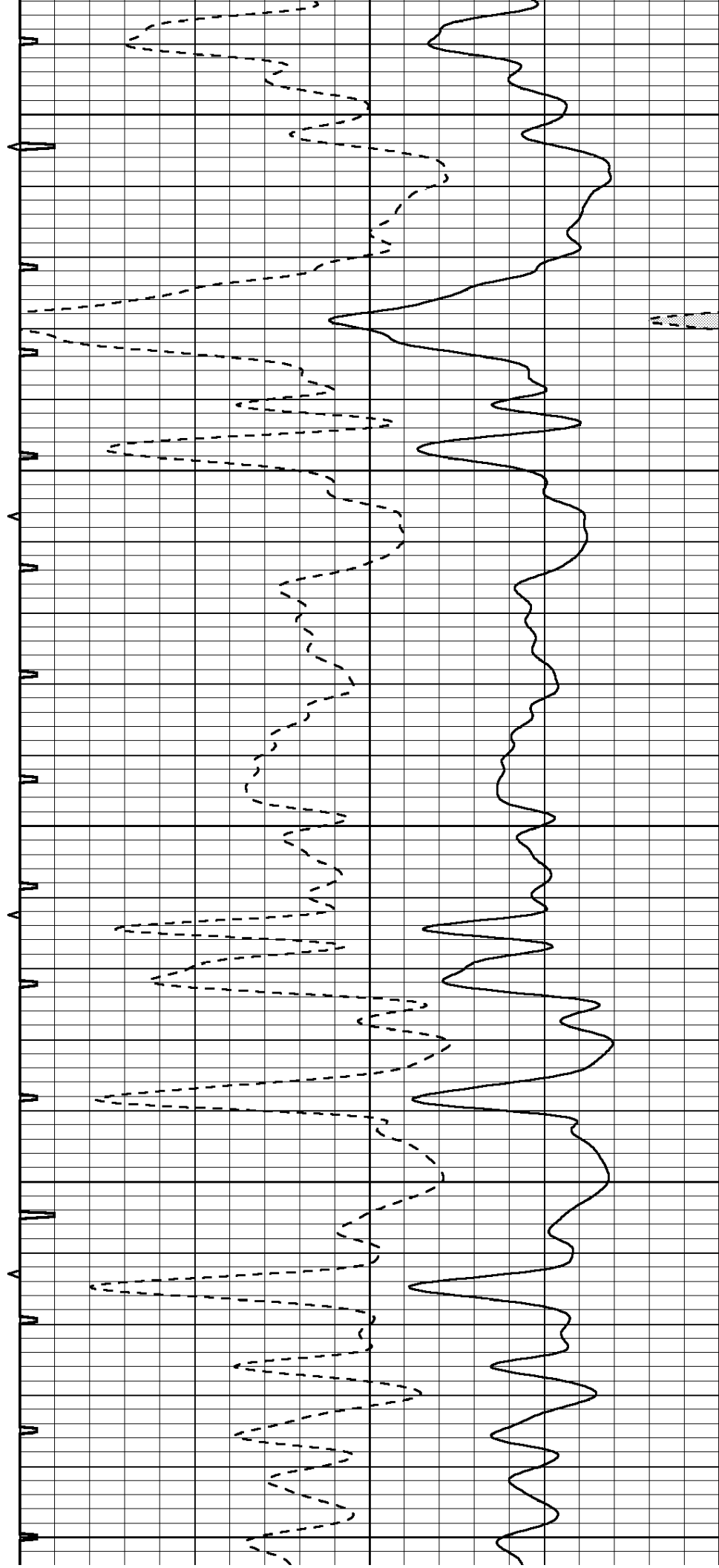
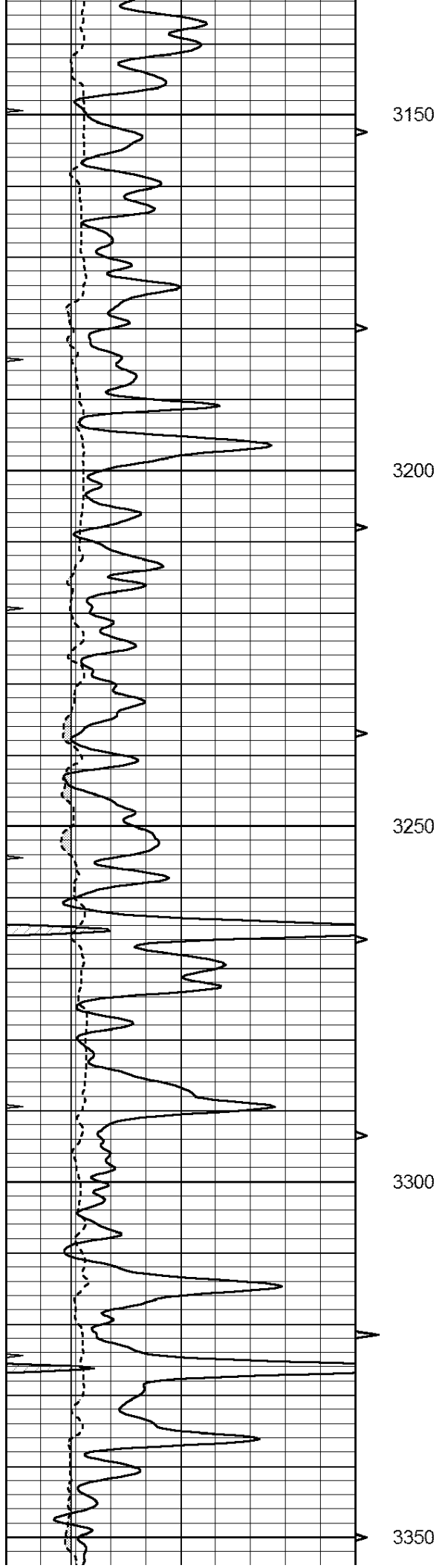
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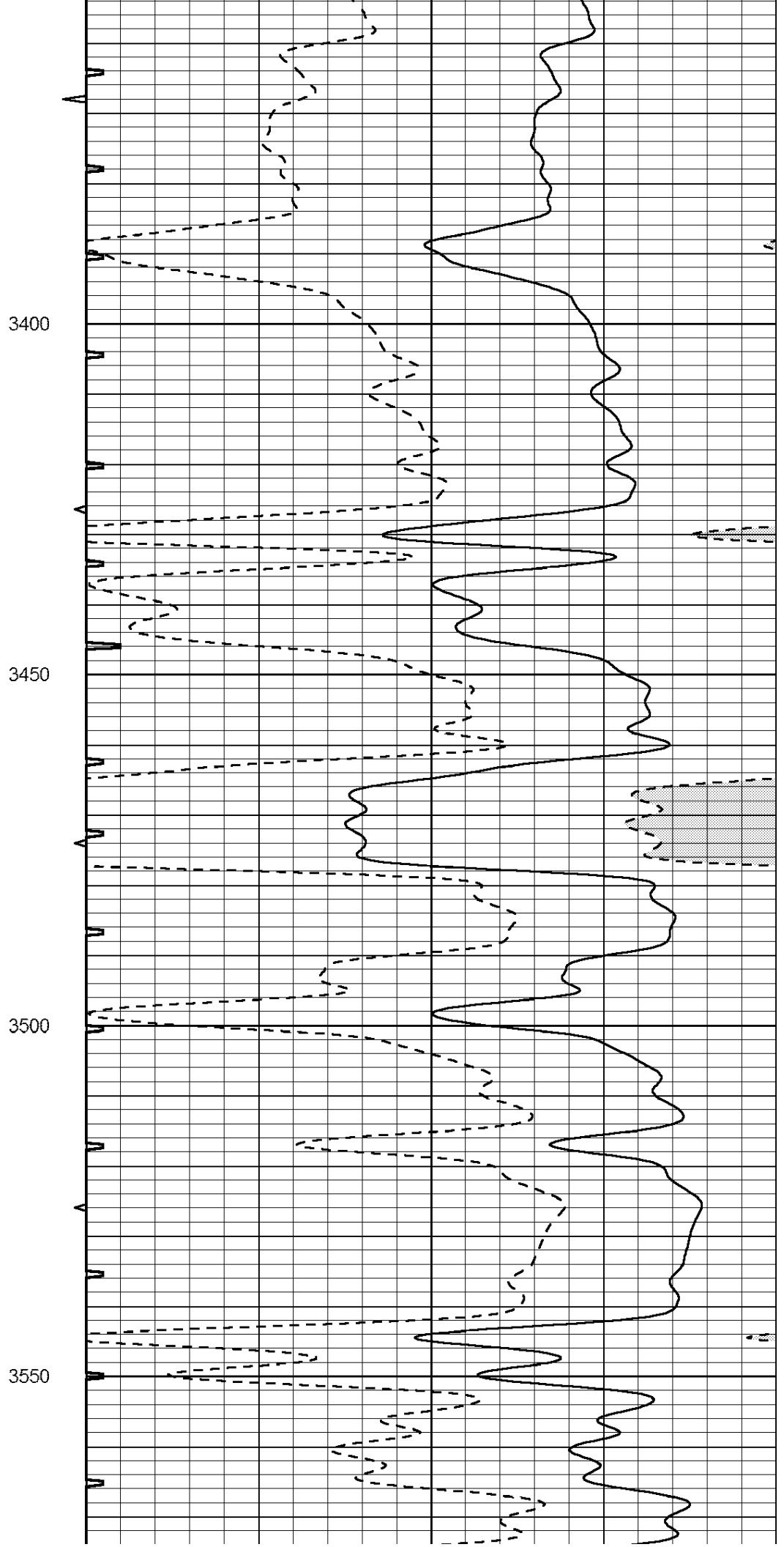
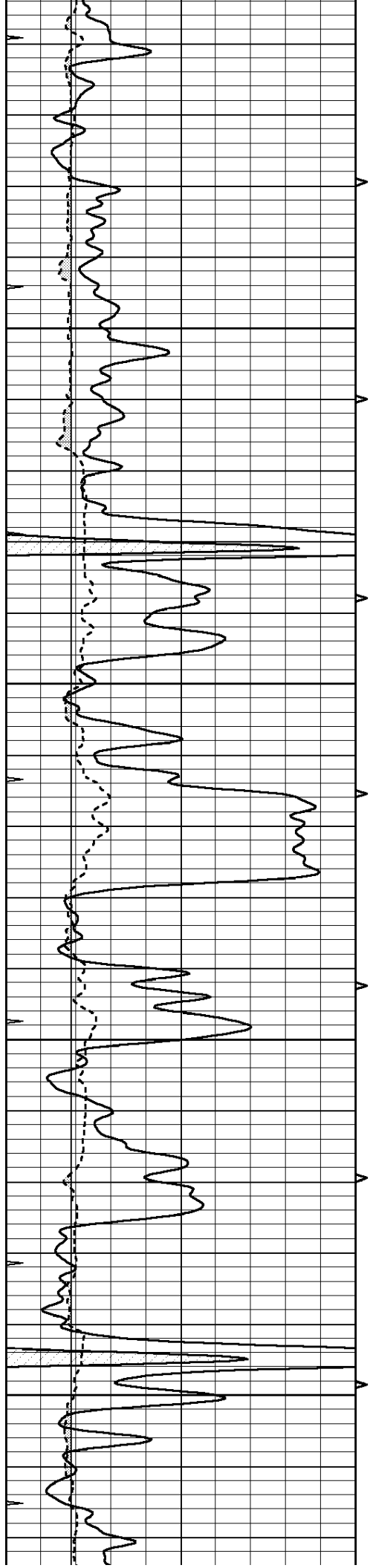
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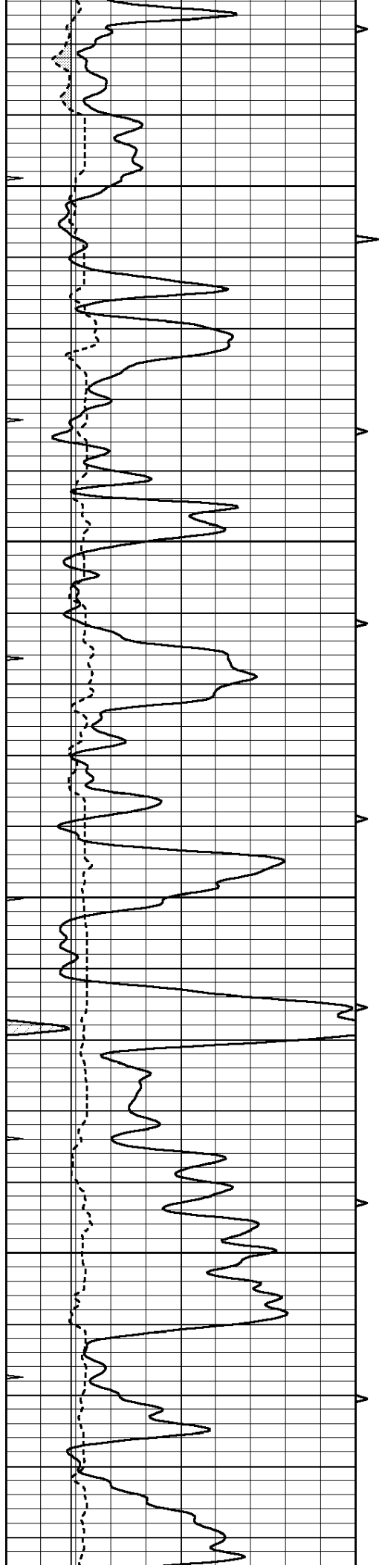
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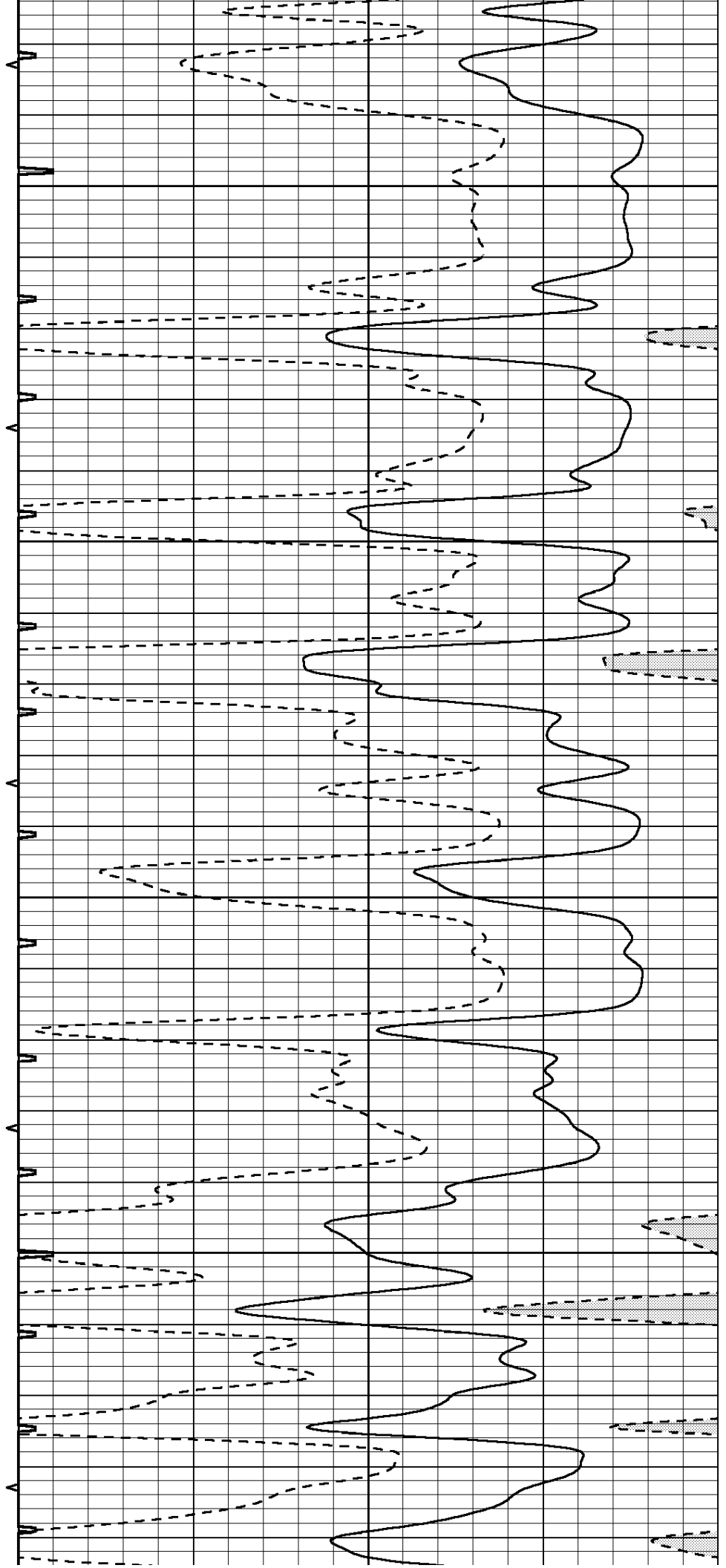


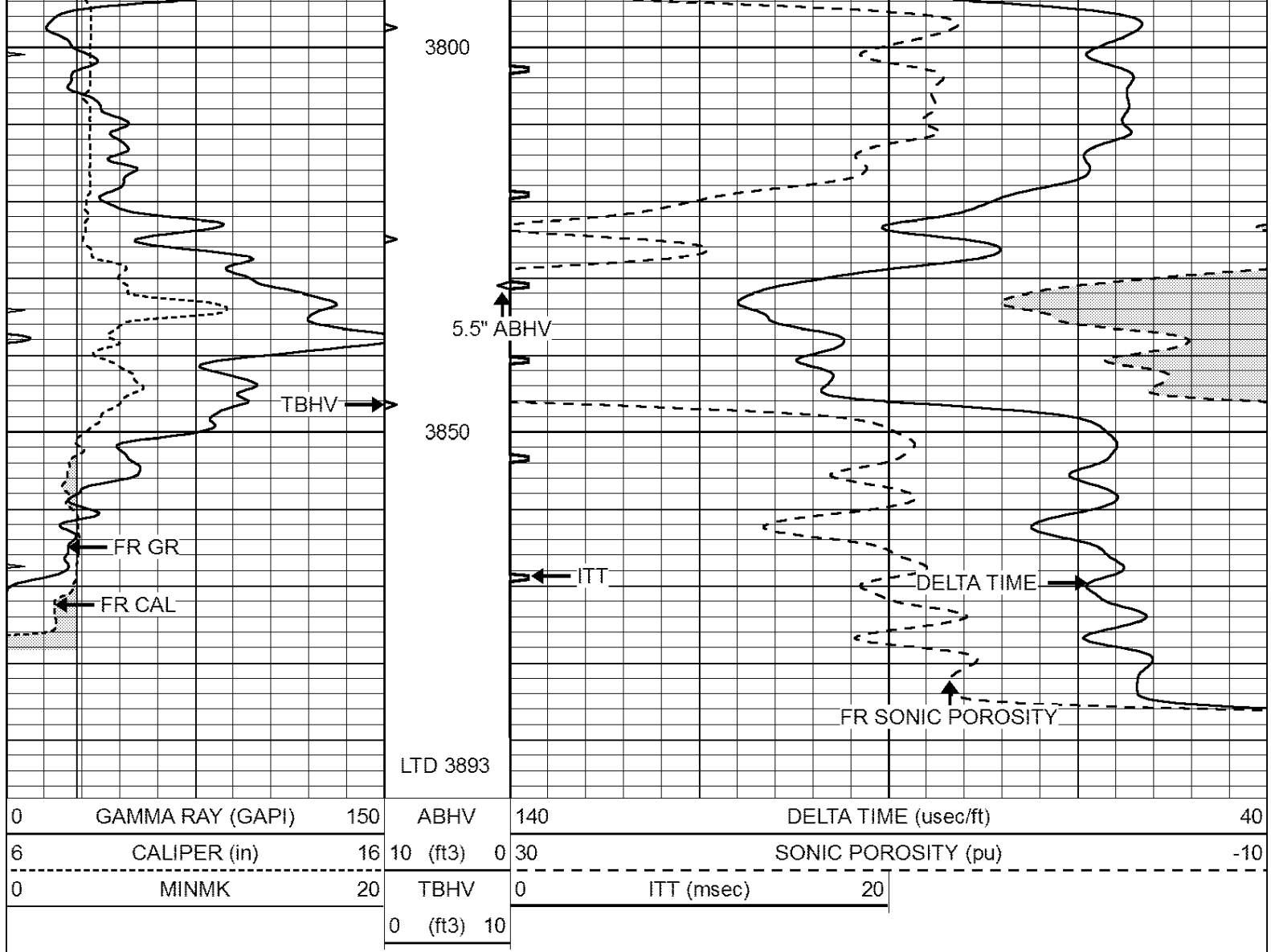
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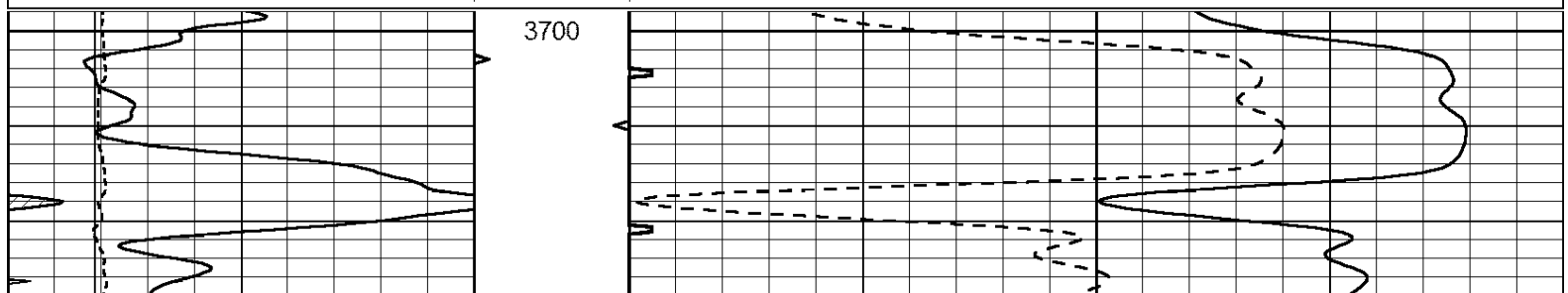
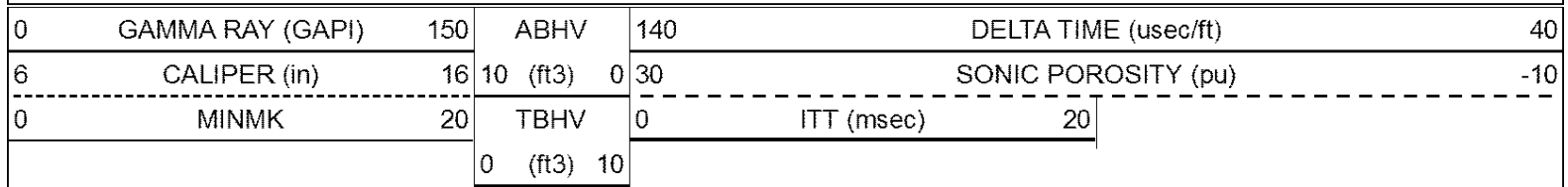


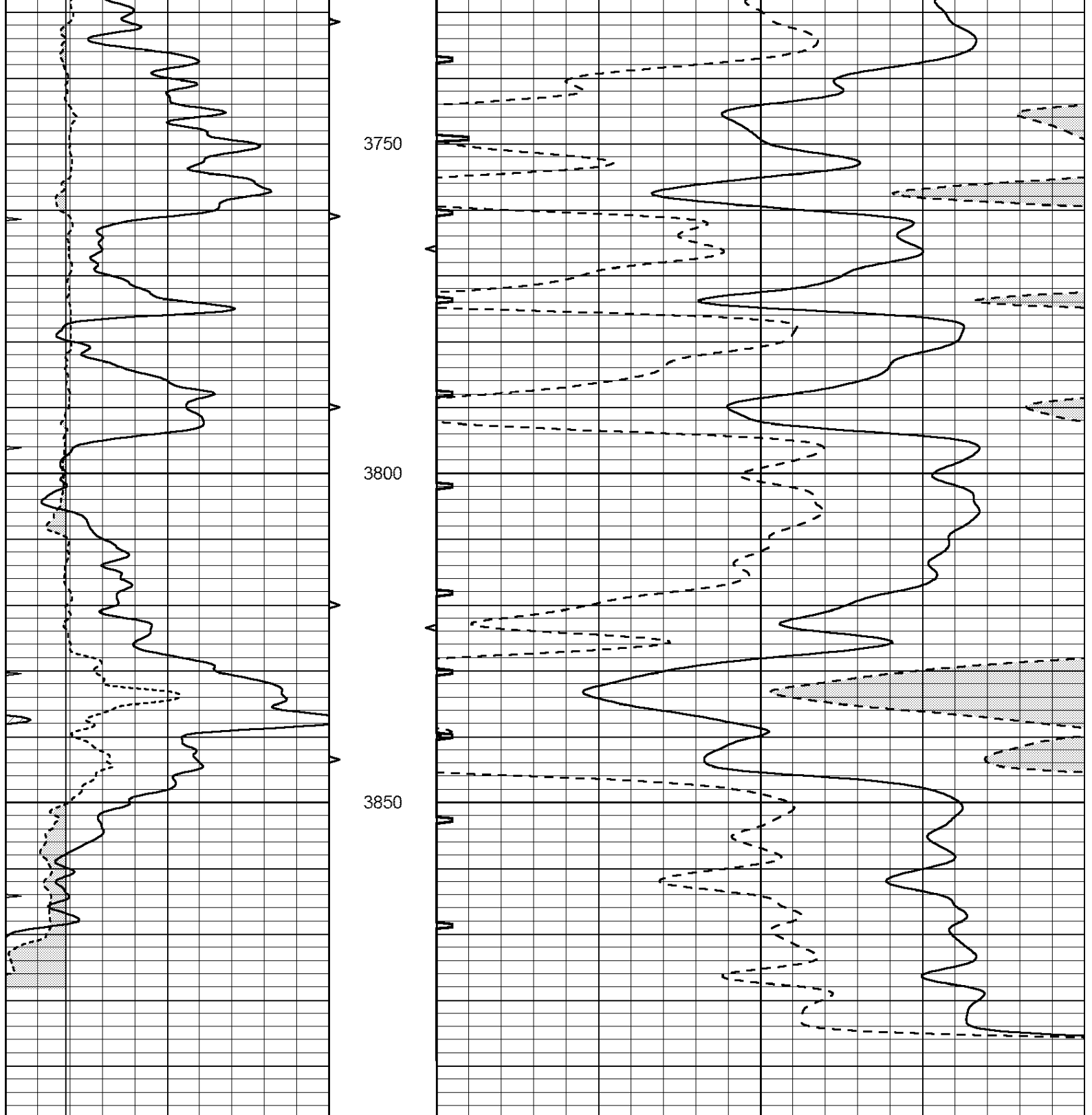


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REPEAT SECTION

Database File: 408416ddn.db
 Dataset Pathname: pass5.4
 Presentation Format: slt
 Dataset Creation: Wed Feb 22 20:00:03 2012 by Calc Open-Cased 110302
 Charted by: Depth in Feet scaled 1:240





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0	MINMK	20	TBHV	0	ITT (msec)	20
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