



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company CHIEFTAIN OIL COMAPNY INC.
Well MOLZ FAMILY SWD #1
Field STRANATHAN
County BARBER
State KANSAS

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Well MOLZ FAMILY SWD #1
Field STRANATHAN
County BARBER State KANSAS

Location: API # : 15-007-24045-0000
610' FSL & 1795' FEL
NW - SE - SW - SE
SEC 2 TWP 35S RGE 12W
Permanent Datum GROUND LEVEL Elevation 1411
Log Measured From KELLY BUSHING 13' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL/PE
DIL
Elevation
K.B. 1424
D.F. 1422
G.L. 1411

Date	8/6/13		
Run Number	TWO		
Depth Driller	6460		
Depth Logger	6458		
Bottom Logged Interval	6456		
Top Log Interval	3400		
Casing Driller	8 5/8"@915'	13 3/8"@325'	
Casing Logger	909		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6,300 PPM	
Density / Viscosity	8.8/72		
pH / Fluid Loss	10.0/10.5		
Source of Sample	FLOWLINE		
Rin @ Meas. Temp	.250@90F		
Rinf @ Meas. Temp	.188@90F		
Rinc @ Meas. Temp	.300@90F		
Source of Rinf / Rinc	MEASUREMENT		
Rin @ BHT	.163@138F		
Time Circulation Stopped	12 HOURS		
Time Logger on Bottom	7:00 P.M.		
Maximum Recorded Temperature	138F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	ARDEN RATZLAFF		

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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 "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS

HARDTNER, KS., 3 1/2E. ON HWY 281 TO "CLAIRMONT RD.", 1/2N., W. INTO @CATTLE GUARD

Database File:

011199pe.db

Dataset Pathname:

pass8.5

Presentation Format:

microc

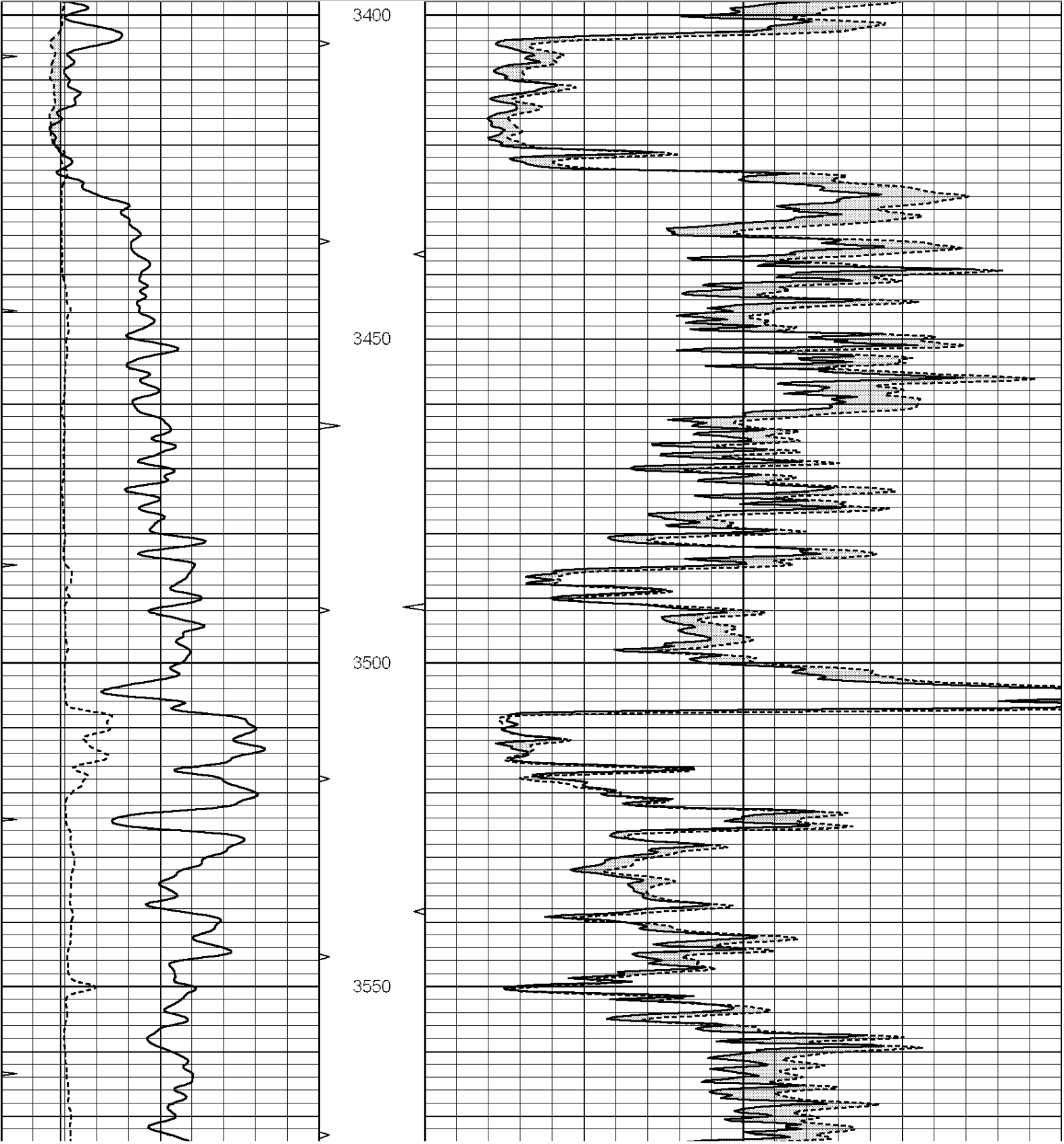
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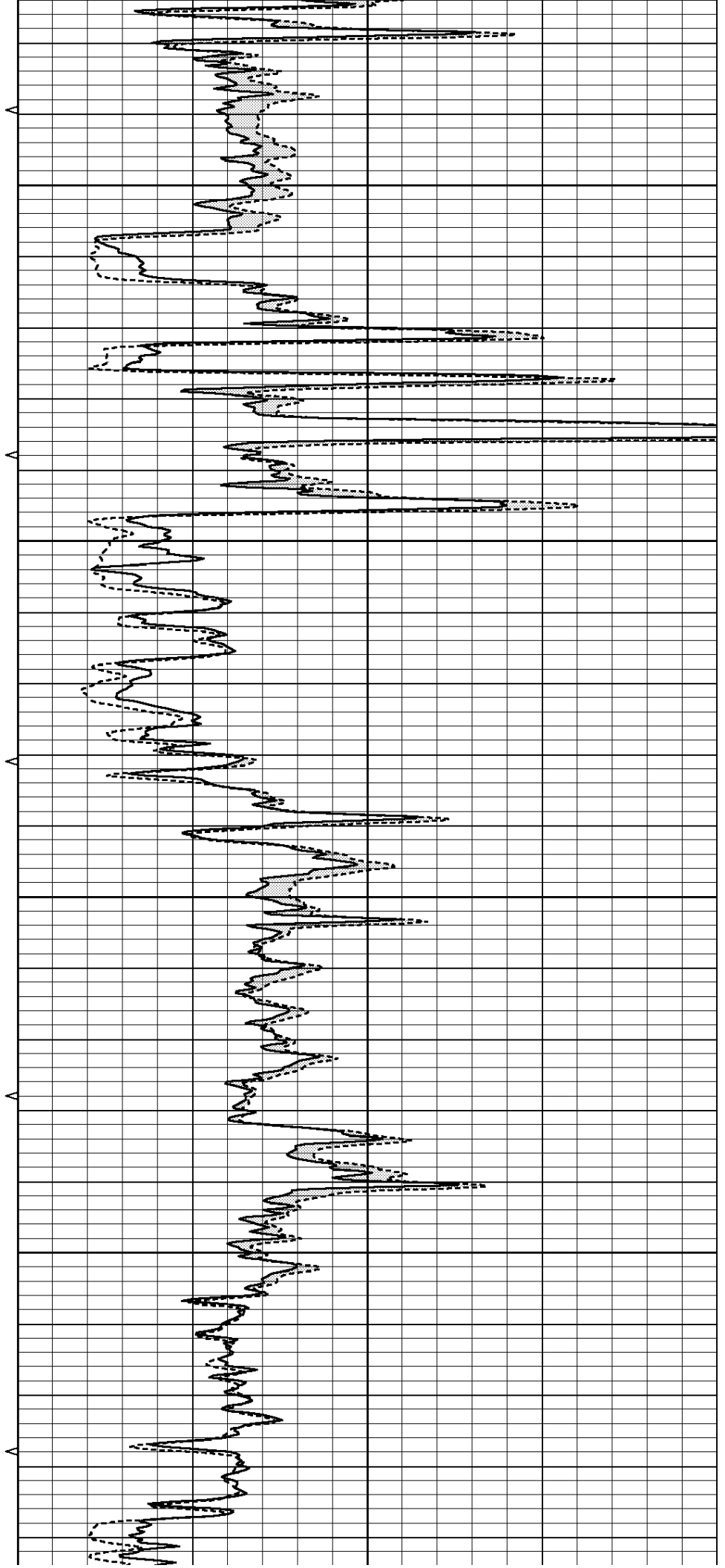
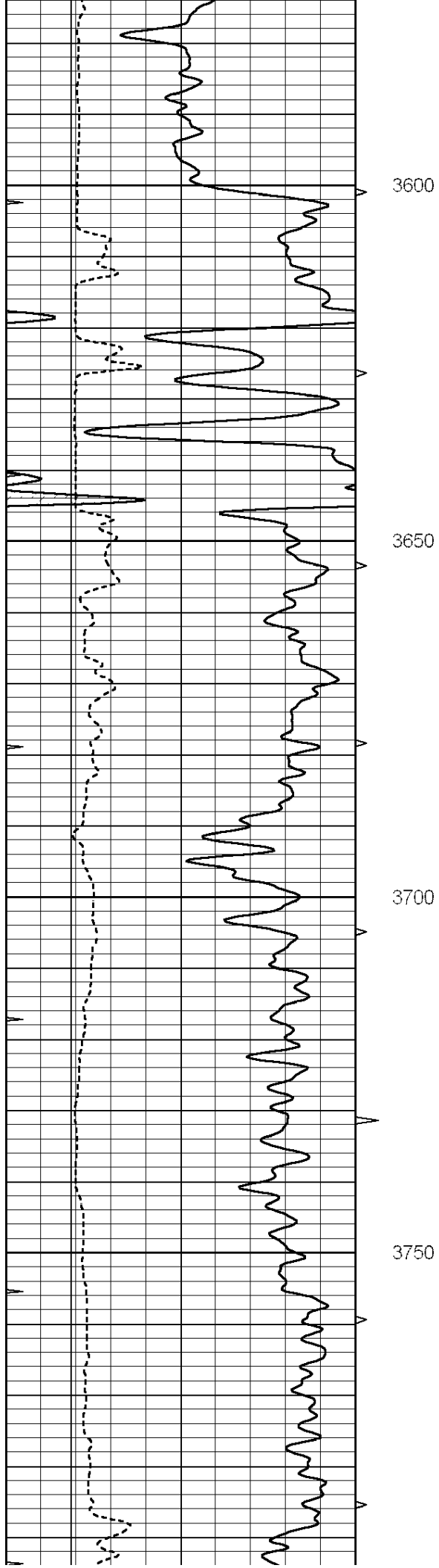
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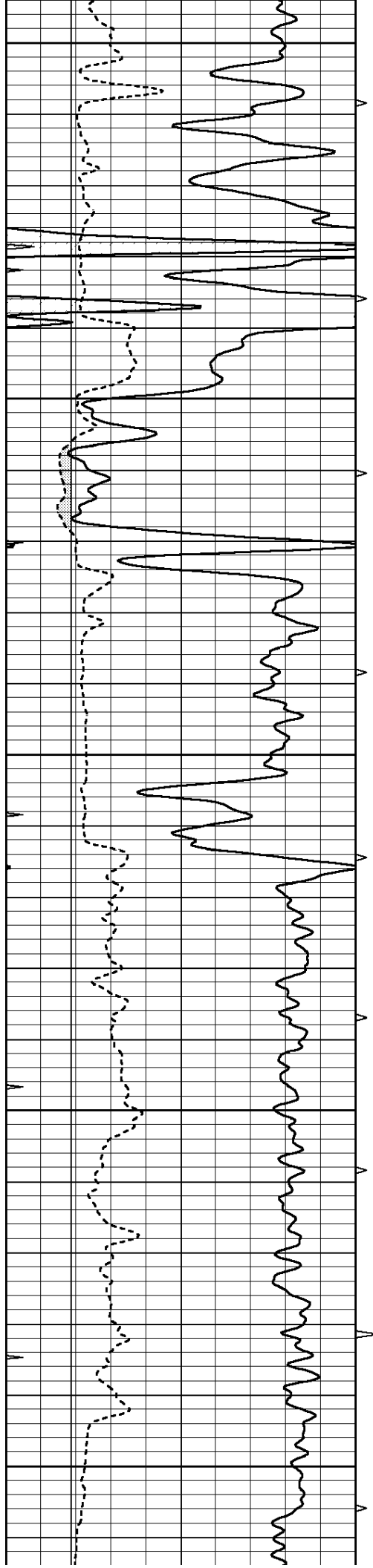
Charted by:

Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		







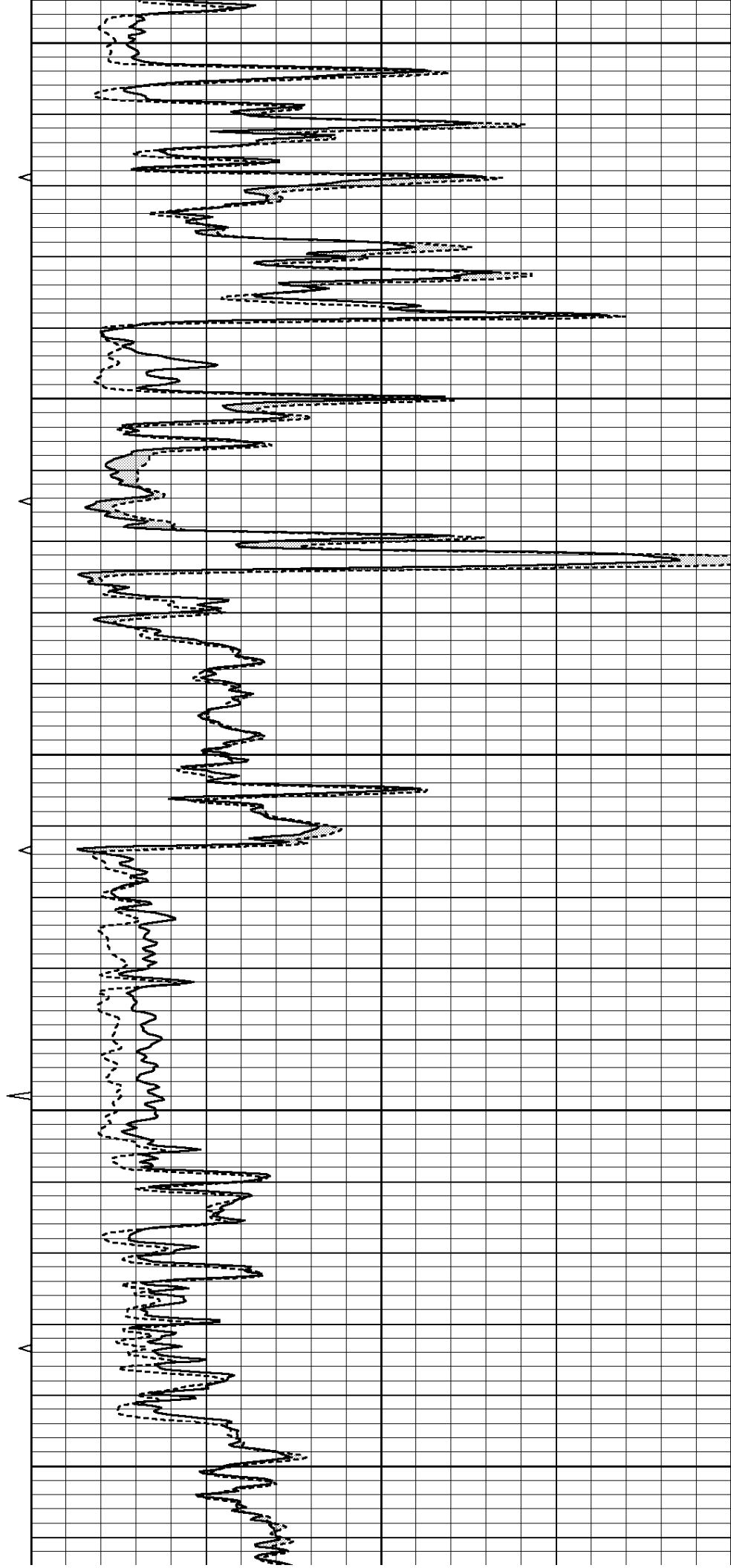
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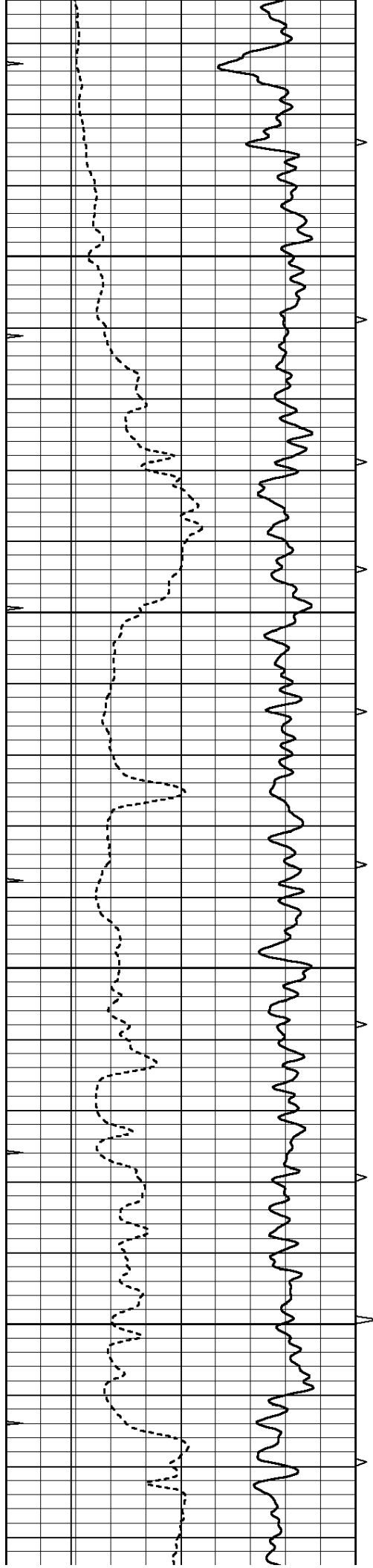
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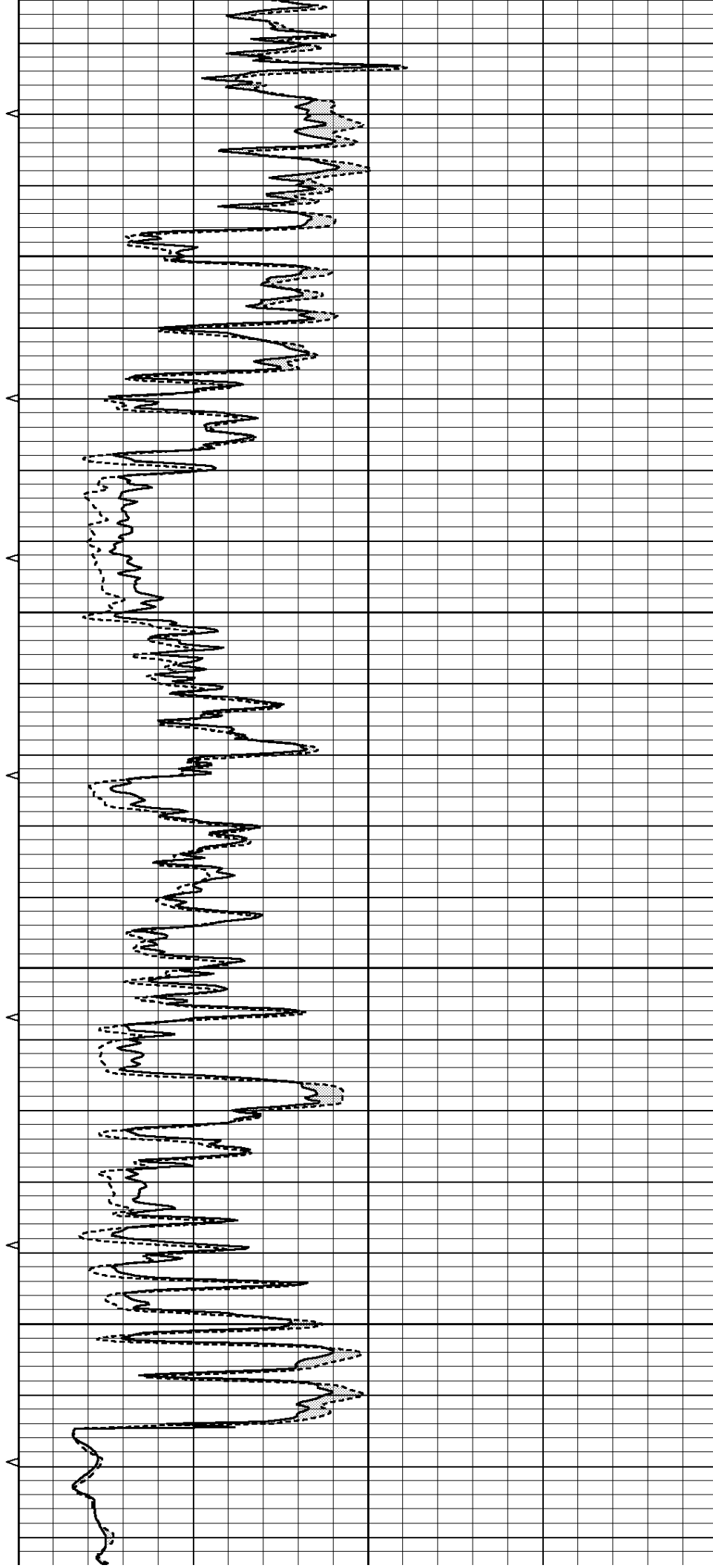


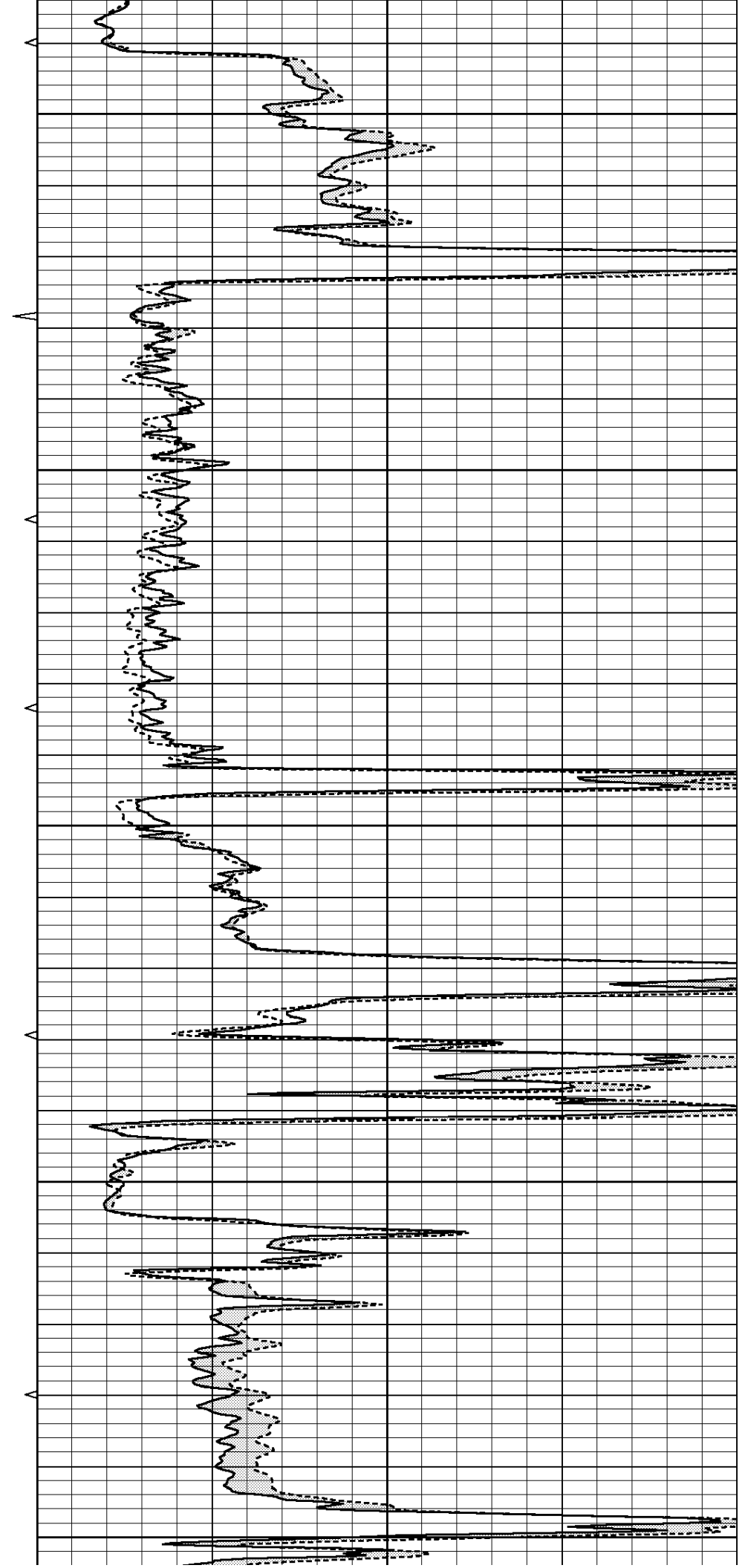
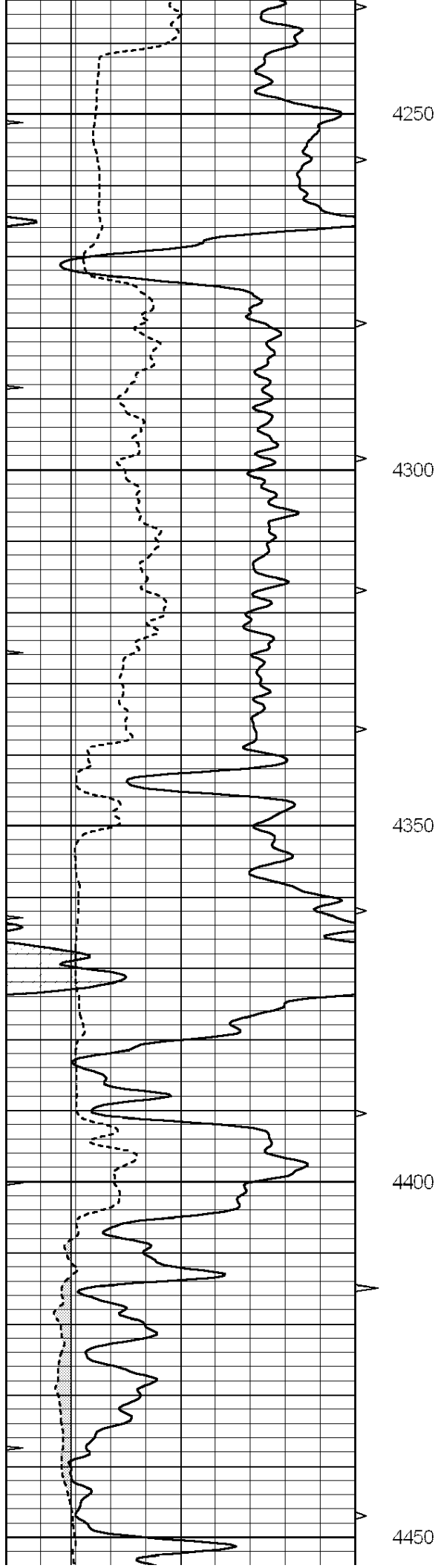
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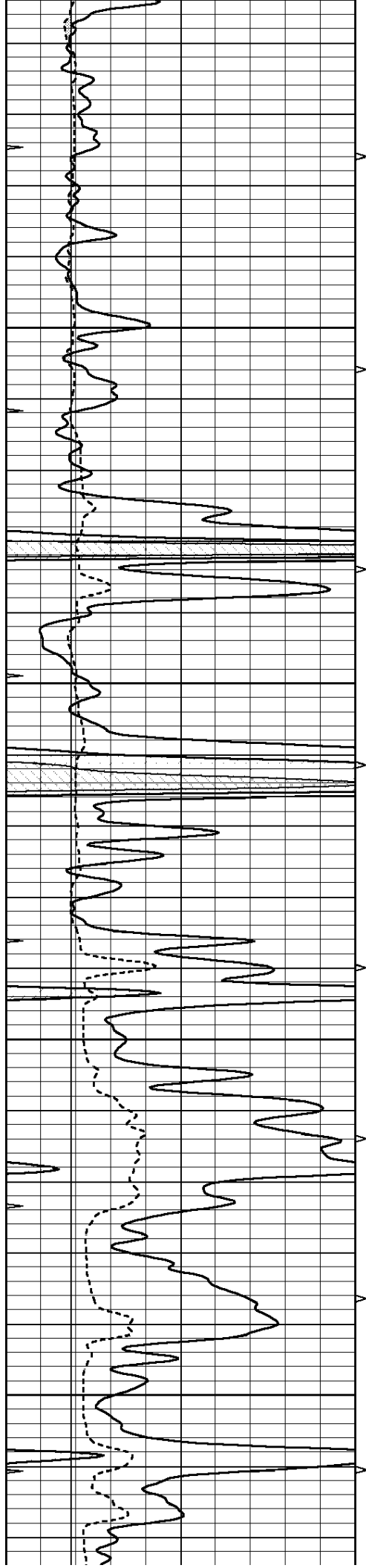
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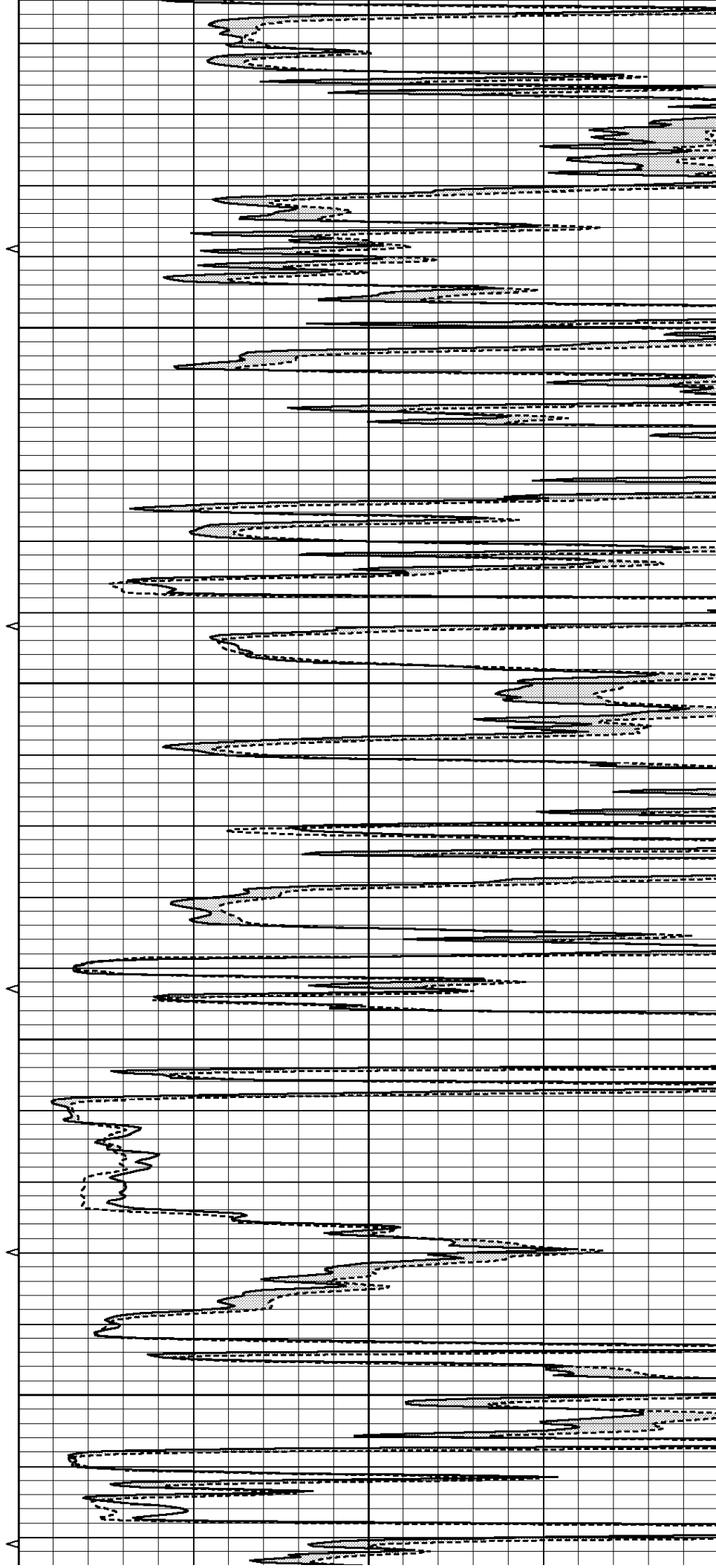


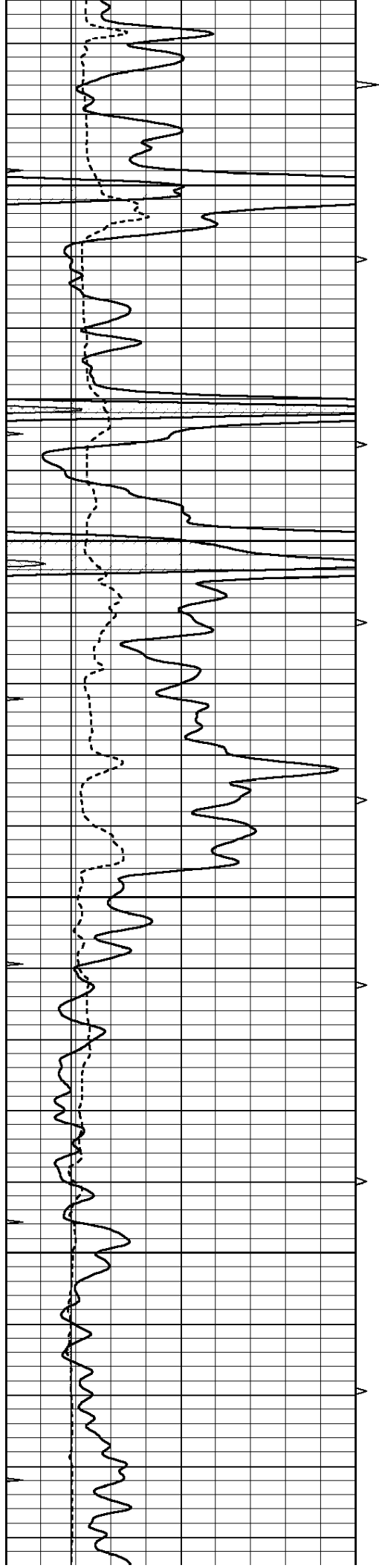
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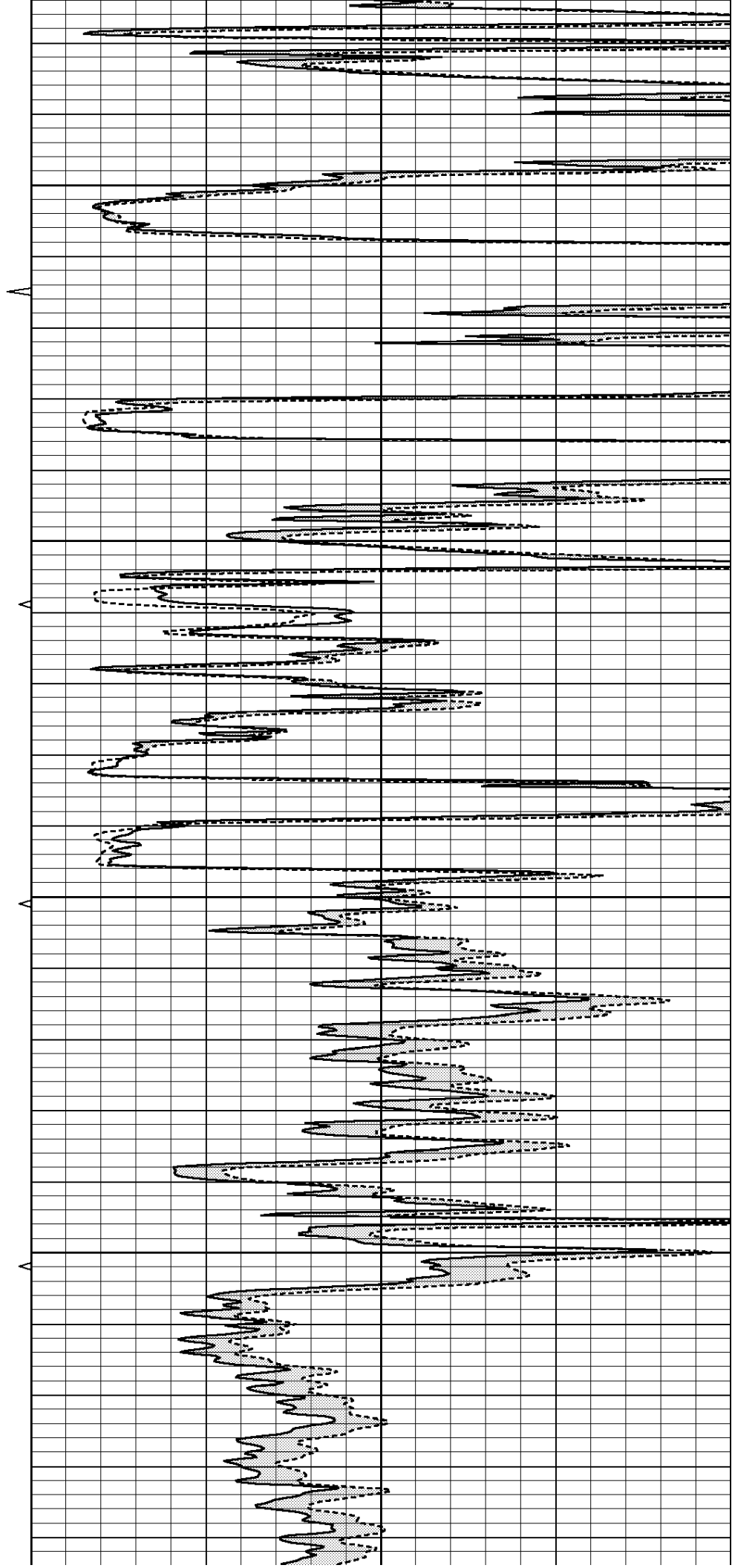


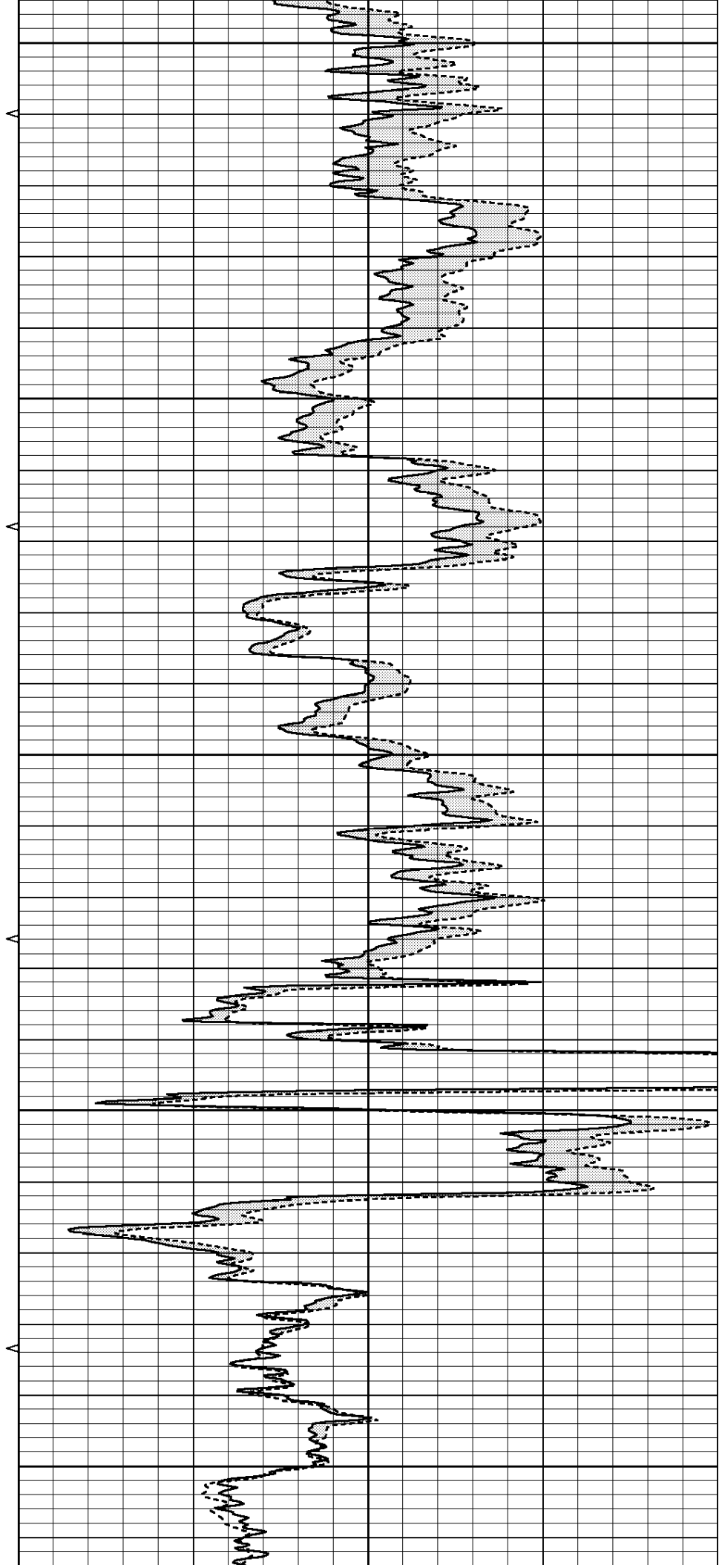
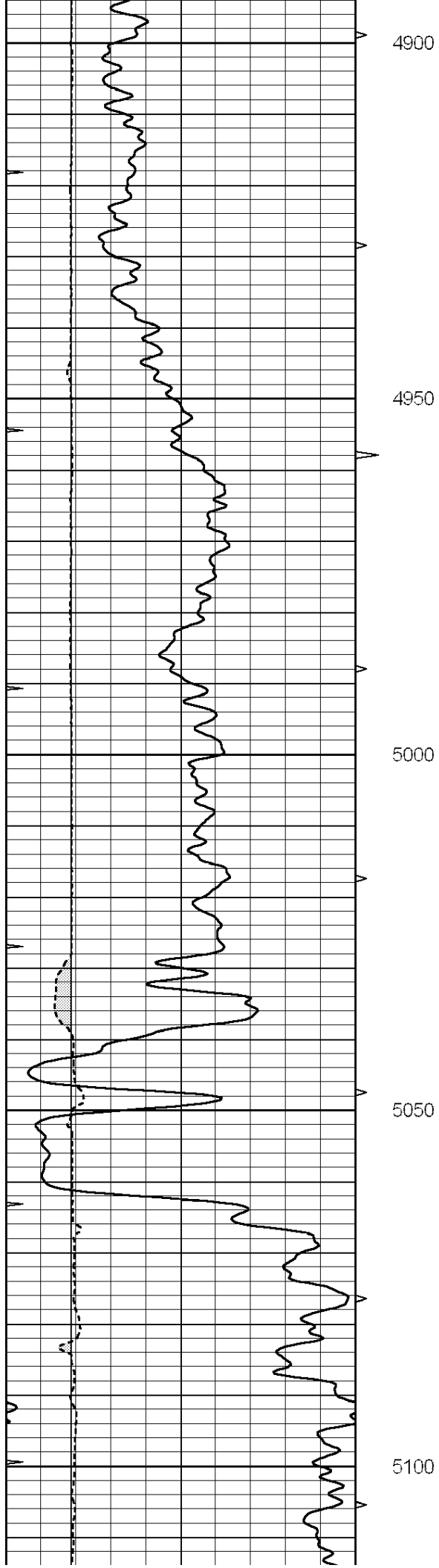
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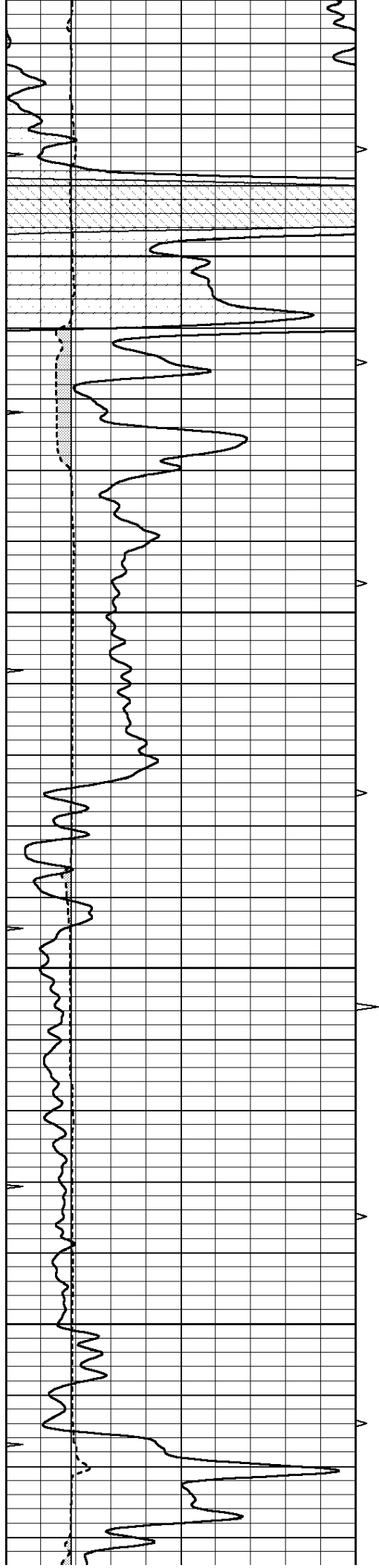
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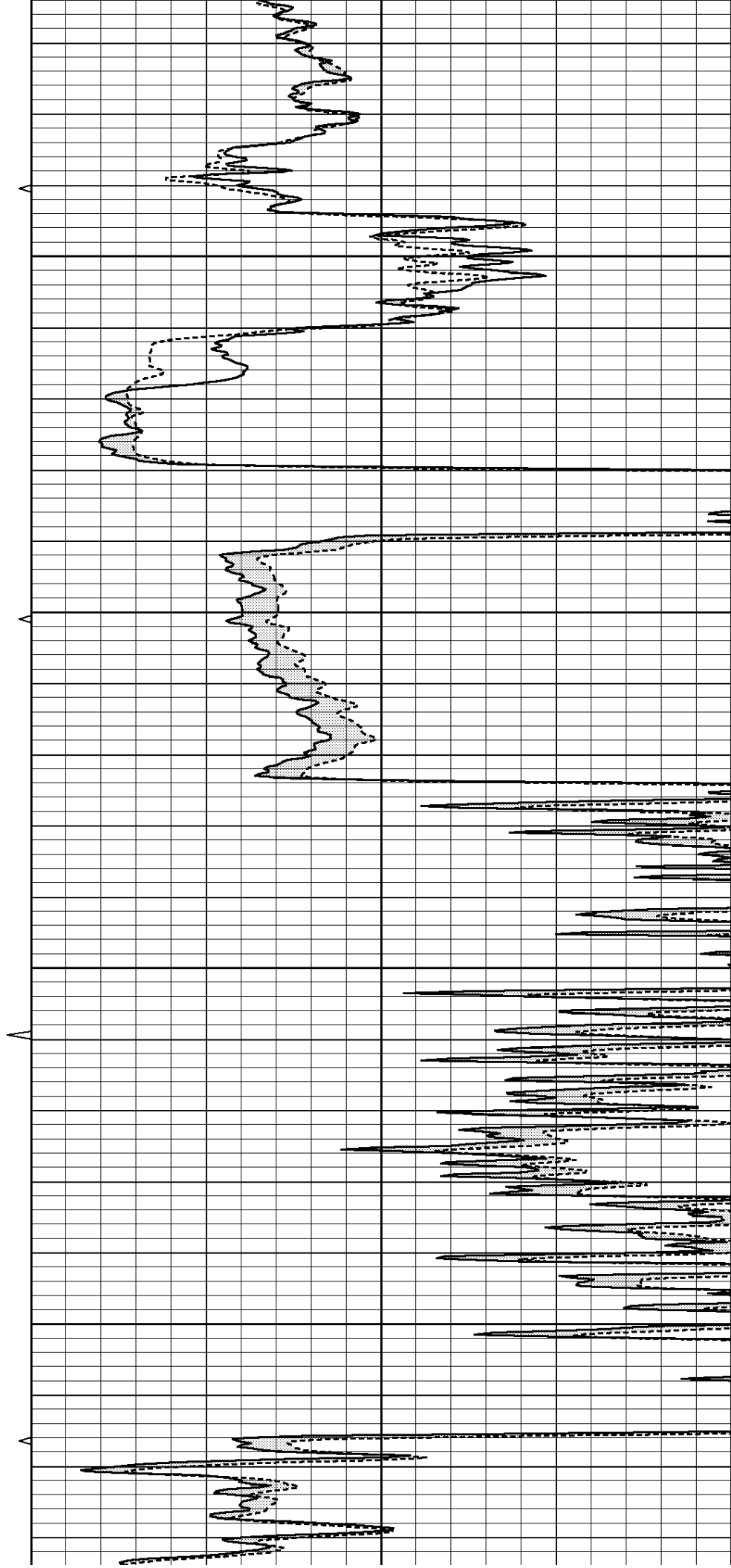


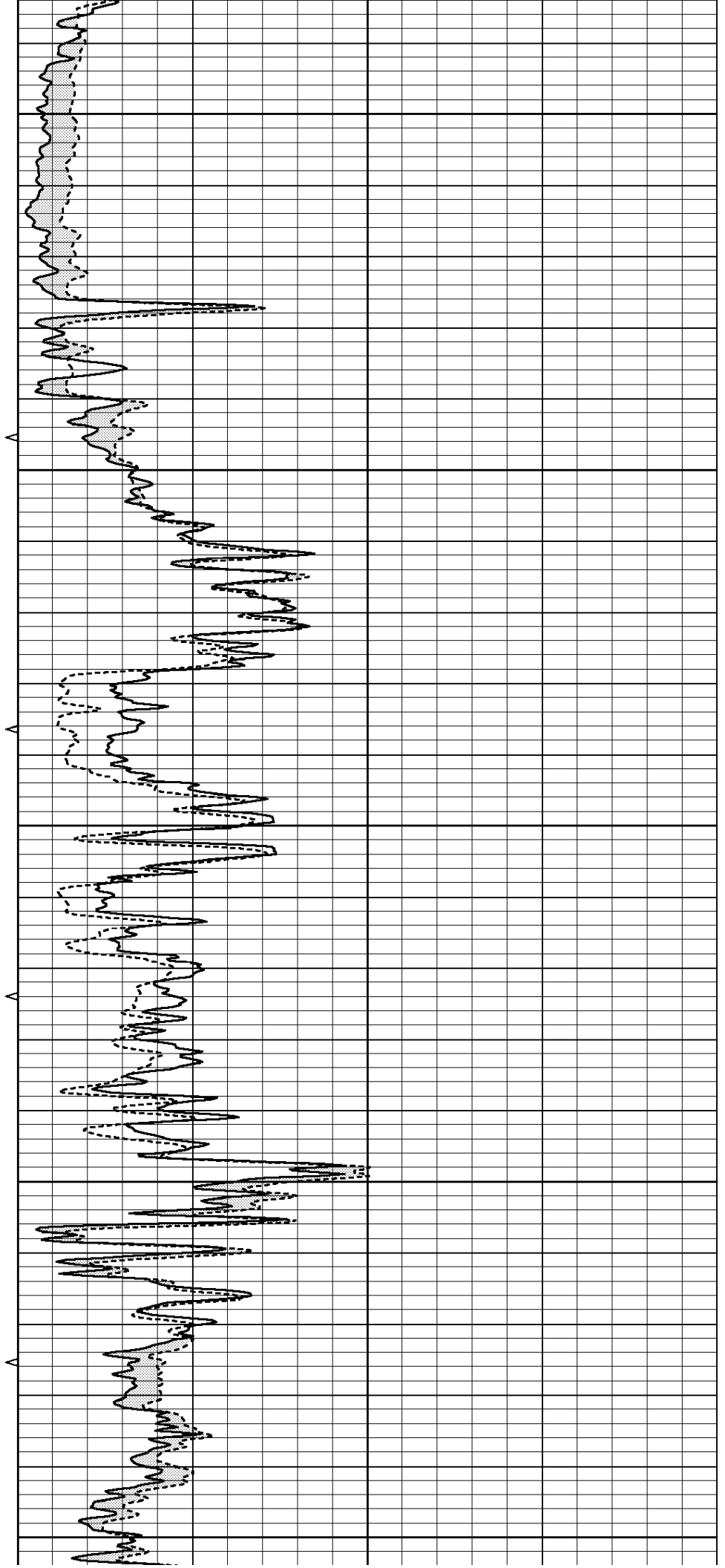
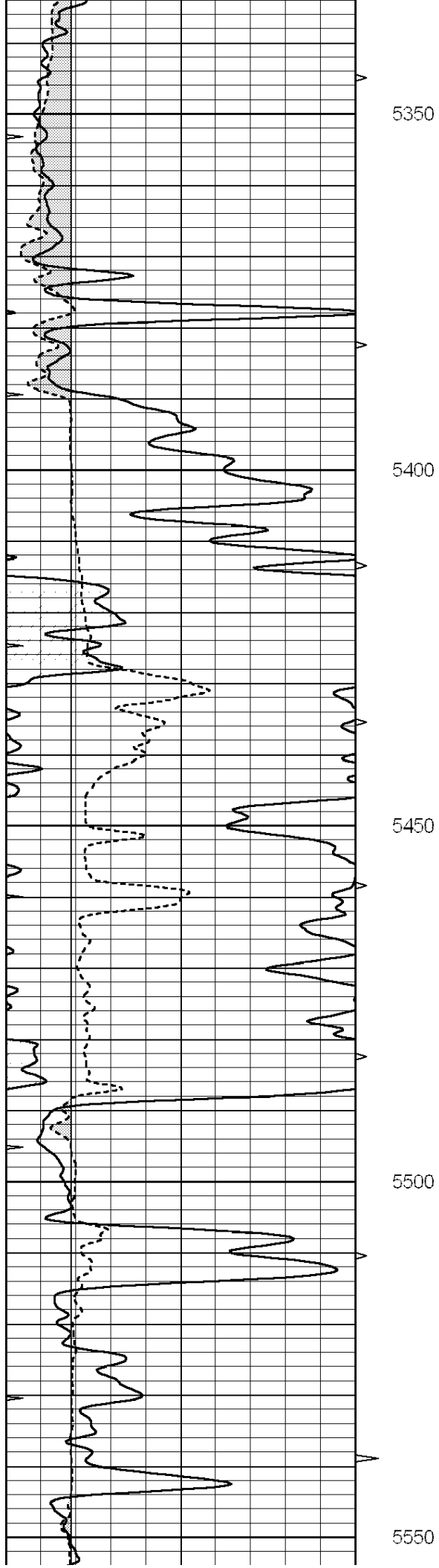
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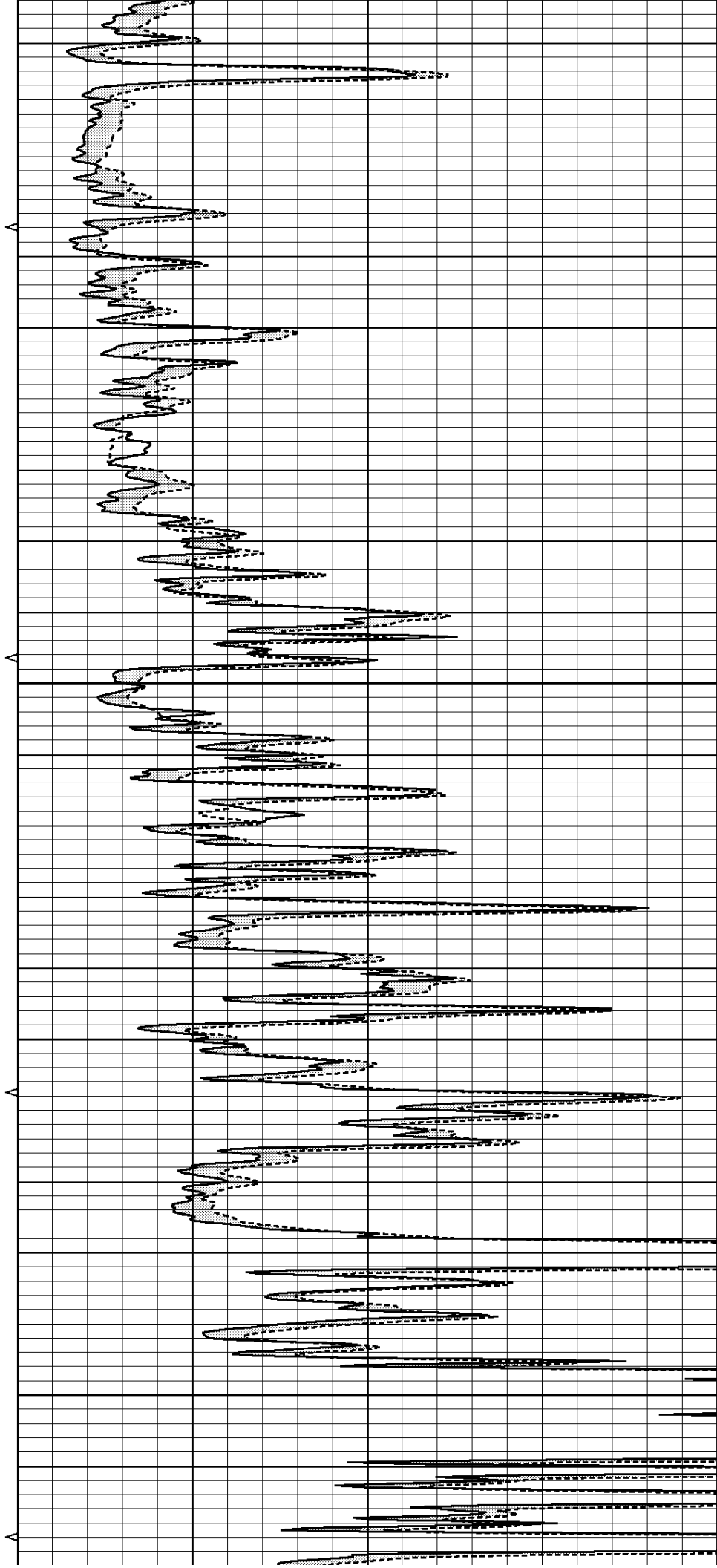
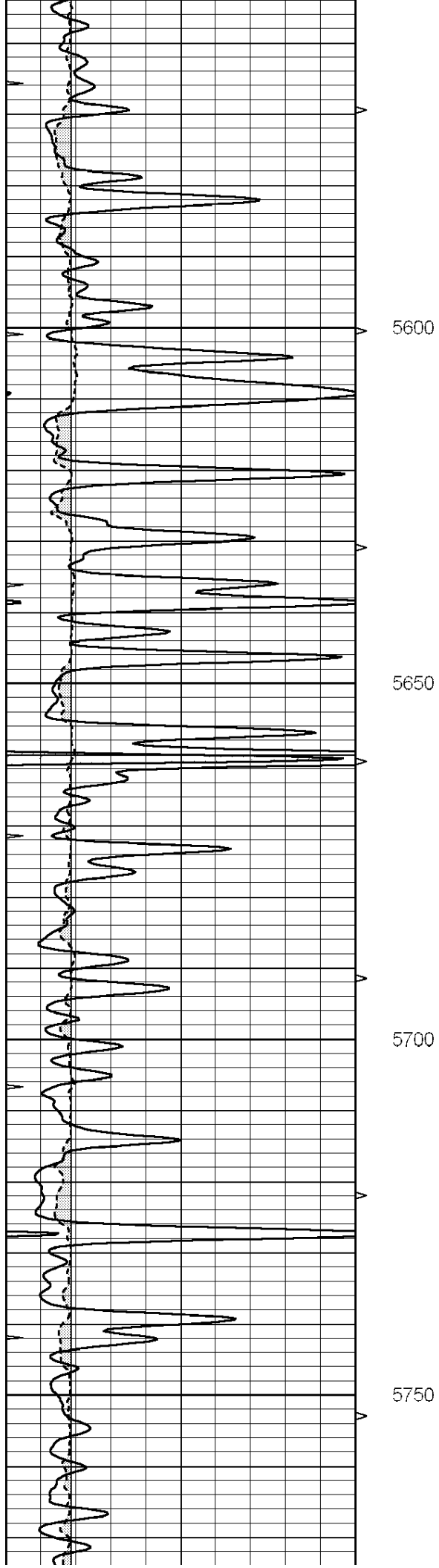
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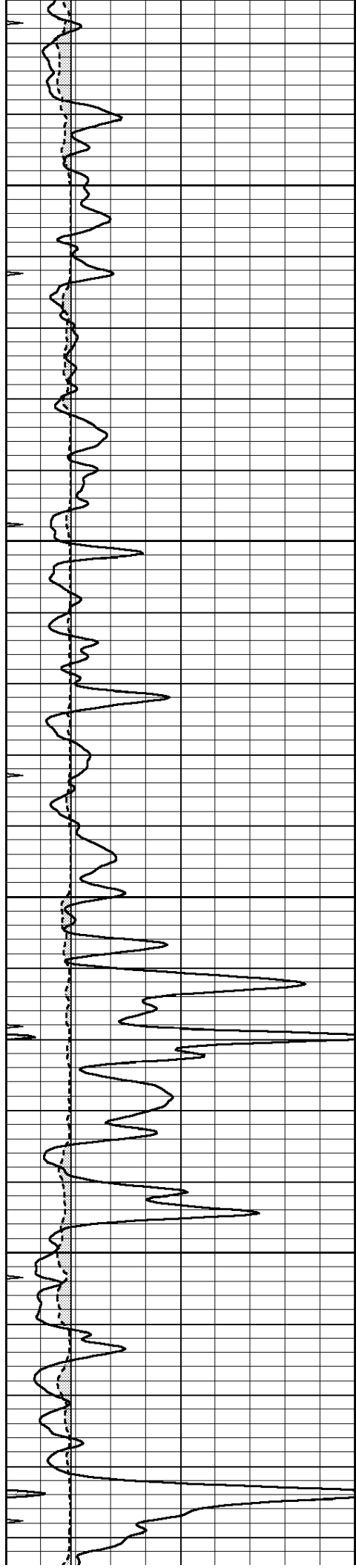
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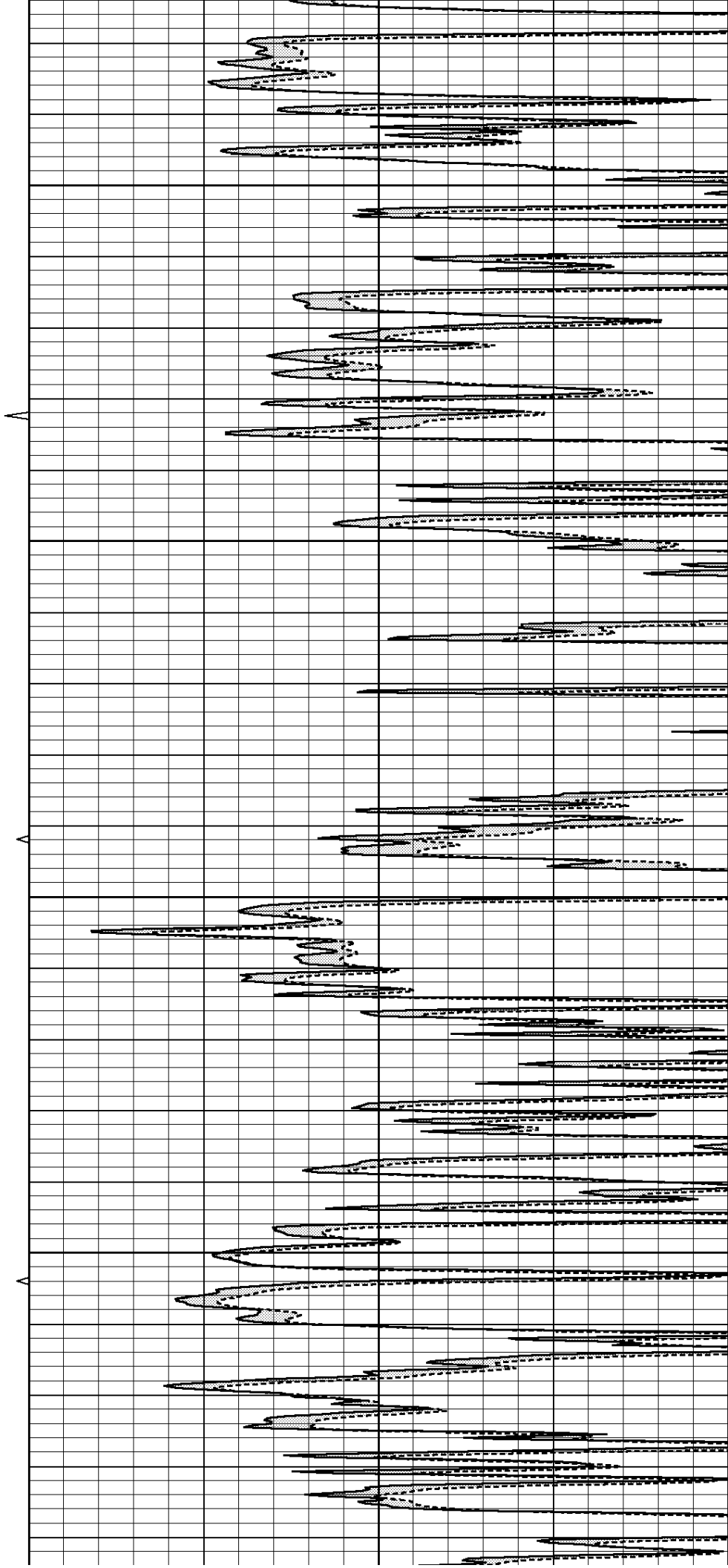


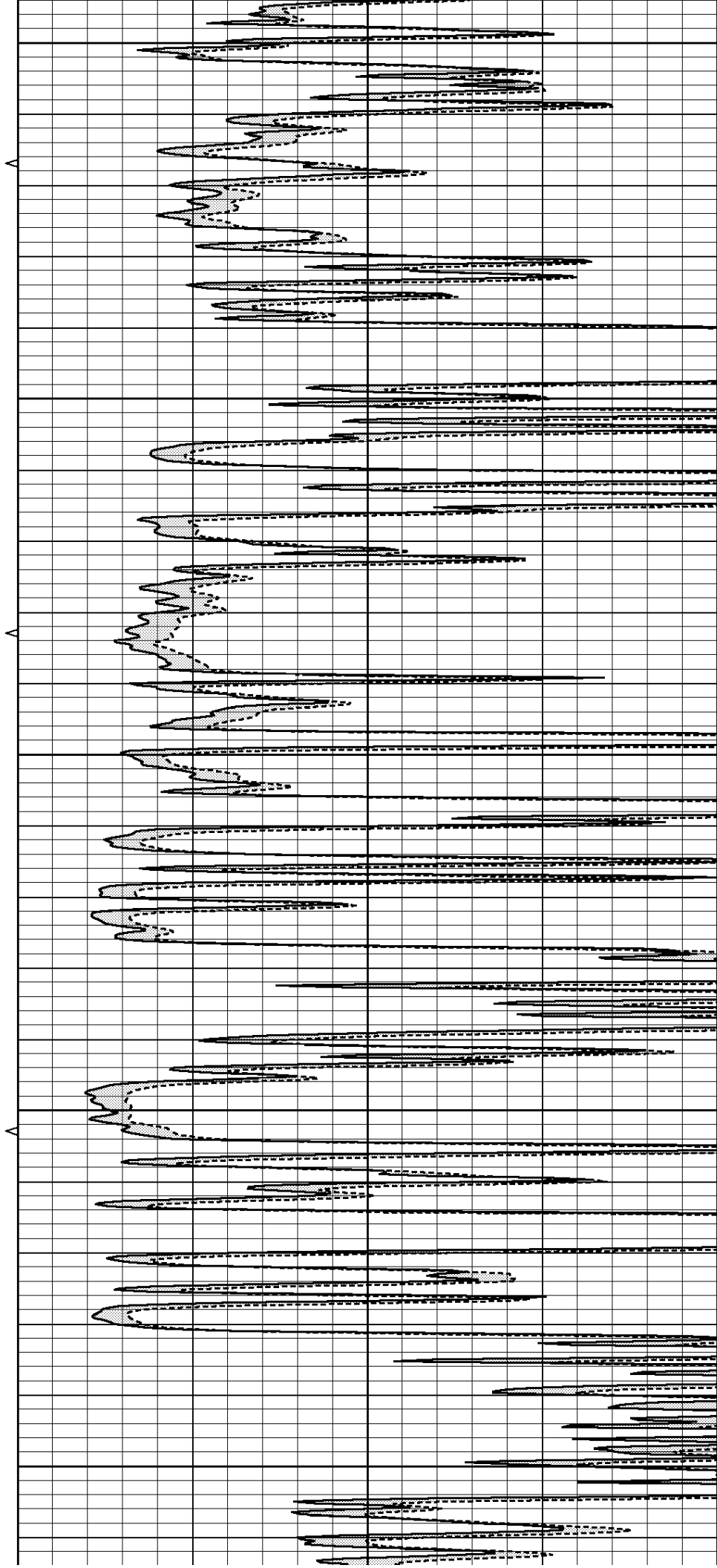
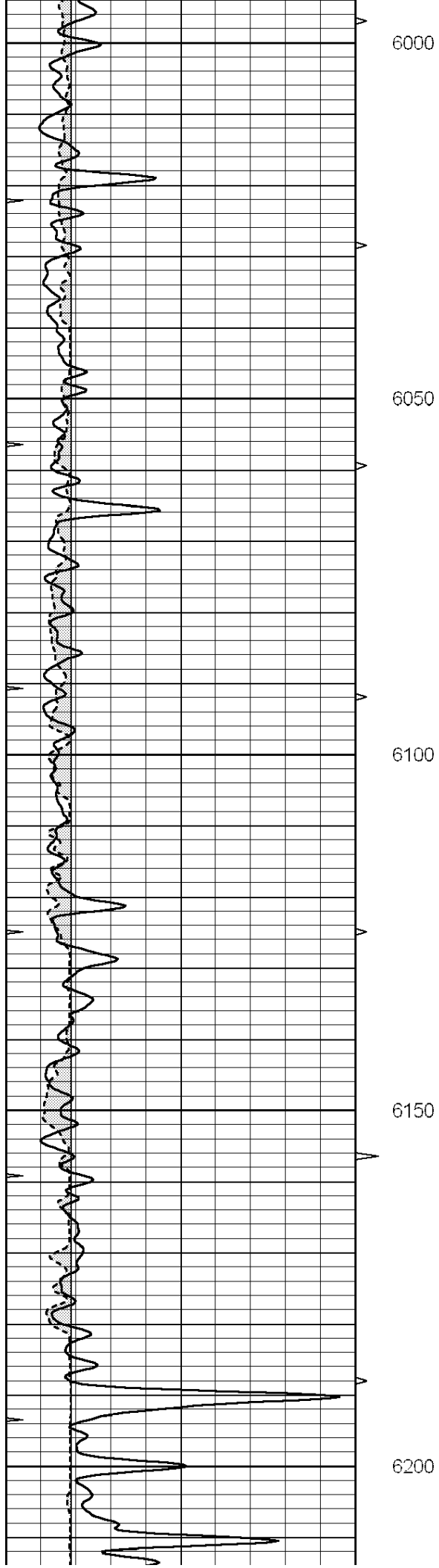
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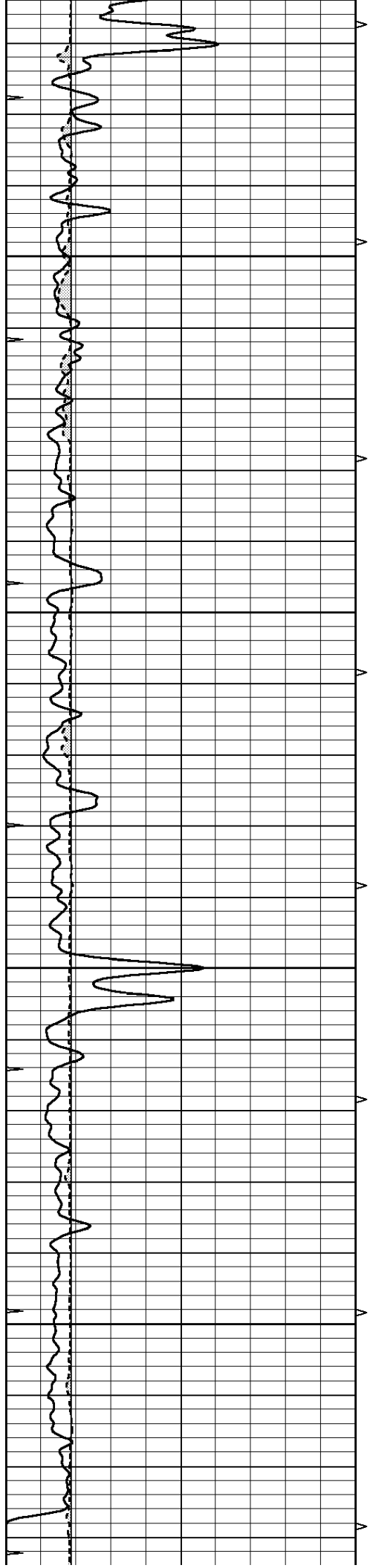
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