



SUPERIOR
Hays,
Kansas

MICRO
LOG

Company		MESSENGER PETROLEUM, INC.	
Well	HAYES #1		
Field	CHITWOOD		
County	PRATT	State	KANSAS
Location:		API # : 15-151-22387-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		1980' FSL & 1650' FWL	
Drilling Measured From		C - W/2 - NE - SW	
SEC 23		TWP 28S	
RGE 12W		Elevation 1861	
Other Services		CDL/CNL/PE	
DIL		Elevation	
K.B. 1870		D.F. 1868	
G.L. 1861			
Date	4/26/12		
Run Number	ONE		
Depth Driller	4575		
Depth Logger	4574		
Bottom Logged Interval	4572		
Top Log Interval	1800		
Casing Driller	8 5/8"@301		
Casing Logger	300		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8,500 PPM	
Density / Viscosity	9.3/49		
pH / Fluid Loss	10.0/12.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.450@72F		
Rmt @ Meas. Temp	.336@72F		
Rmc @ Meas. Temp	.540@72F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.268@121F		
Time Circulation Stopped	5.5 HOURS		
Time Logger on Bottom	8:15 A.M.		
Maximum Recorded Temperature	121F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	FRANK MIZE		

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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

PRATT, KS.(EAST EDGE) 6E. ON HWY 54 TO "SE 70 RD.", 4S. TO "SE 40 RD.", 1/2E., N. INTO

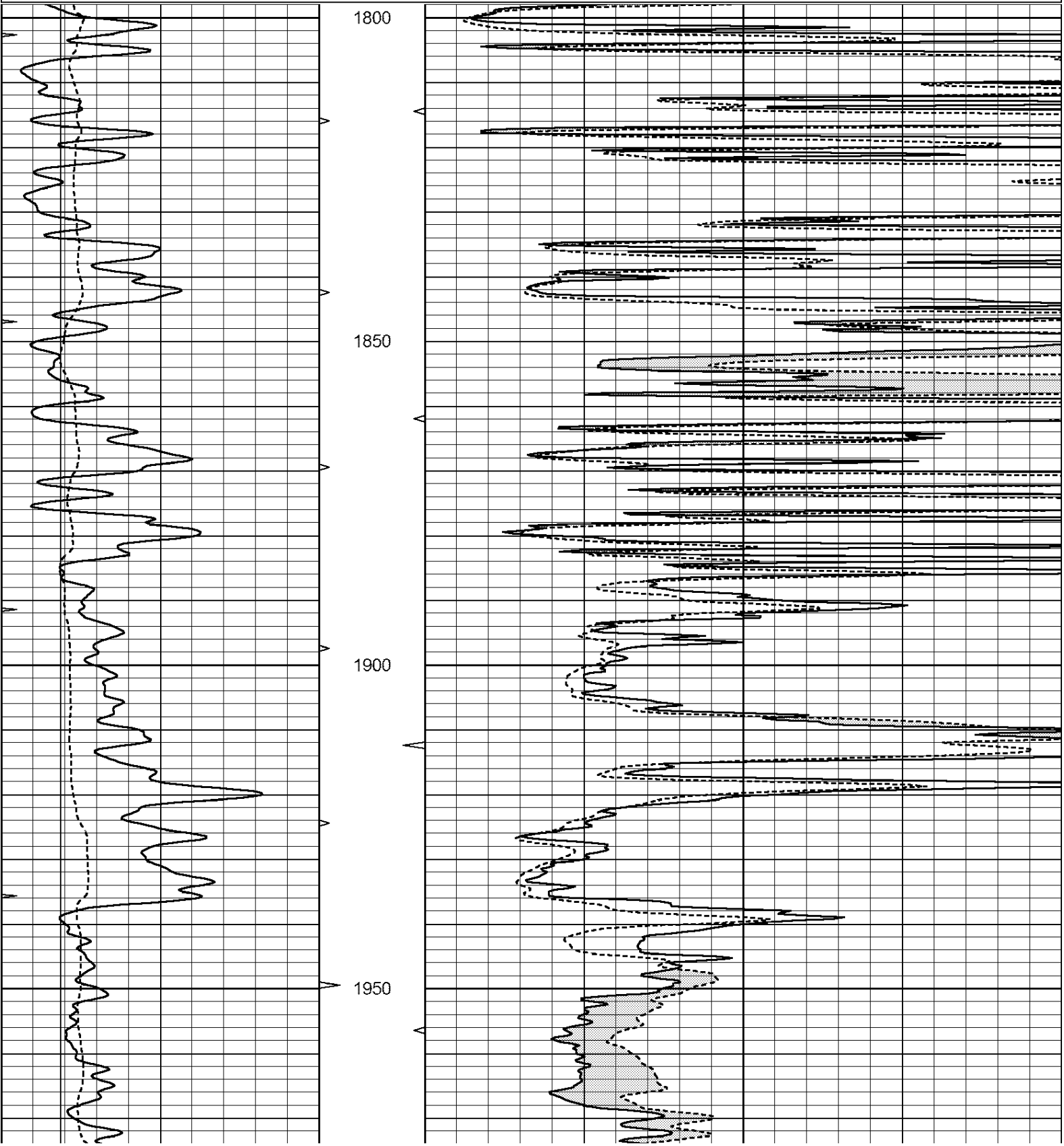


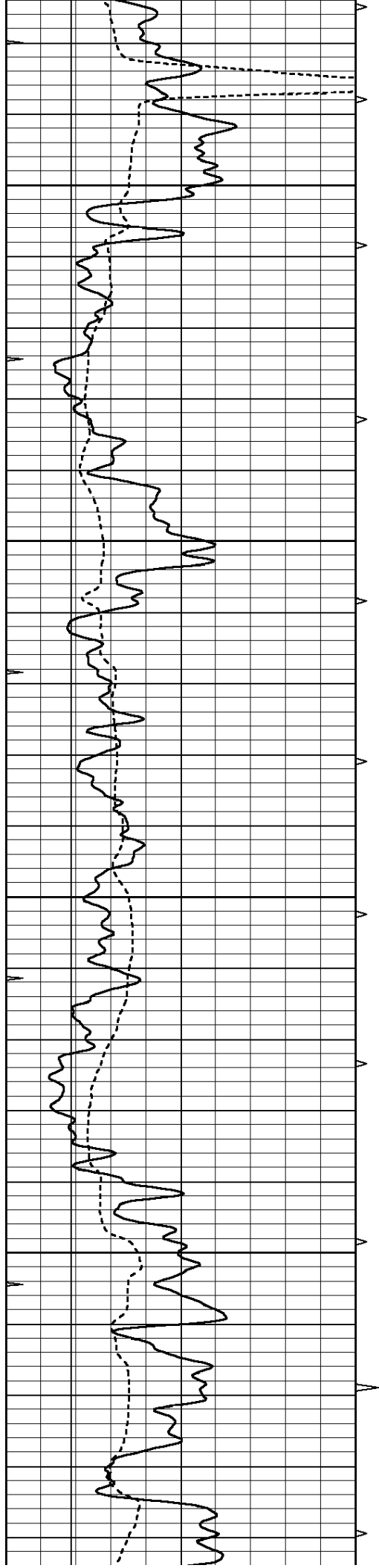
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MAIN SECTION

Database File: 408755pe.db
Dataset Pathname: pass6.2
Presentation Format: micro
Dataset Creation: Thu Apr 26 13:07:54 2012
Charted by: Depth in Feet scaled 1:240

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



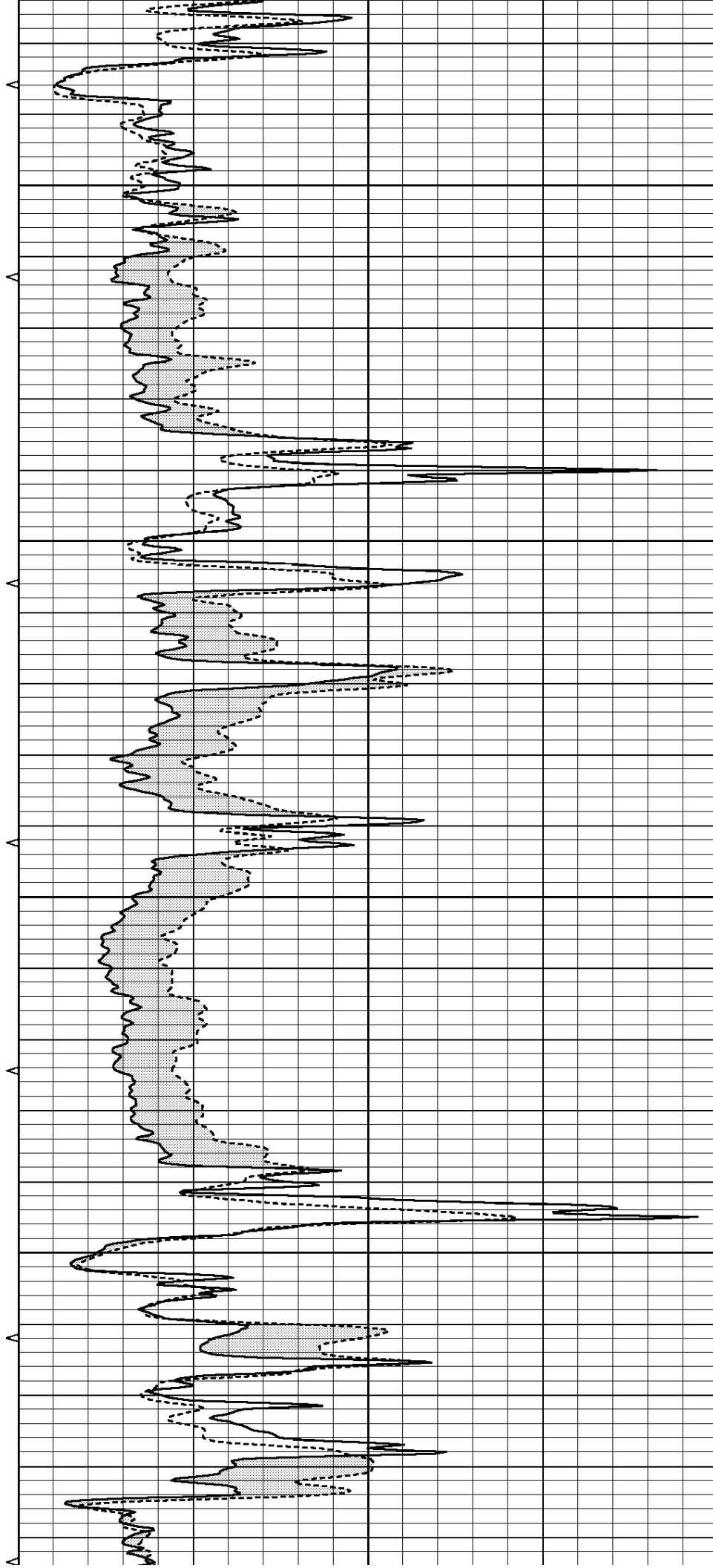


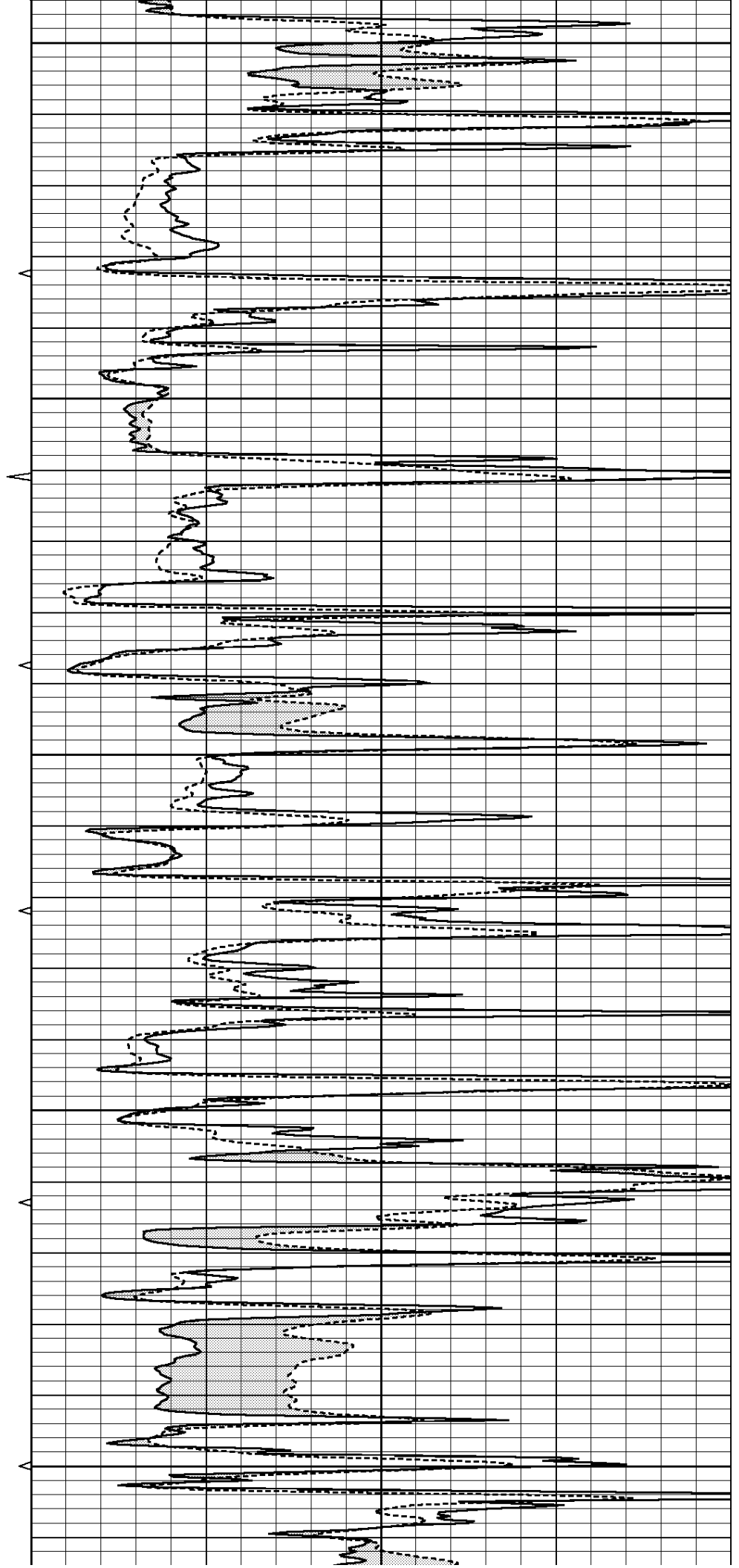
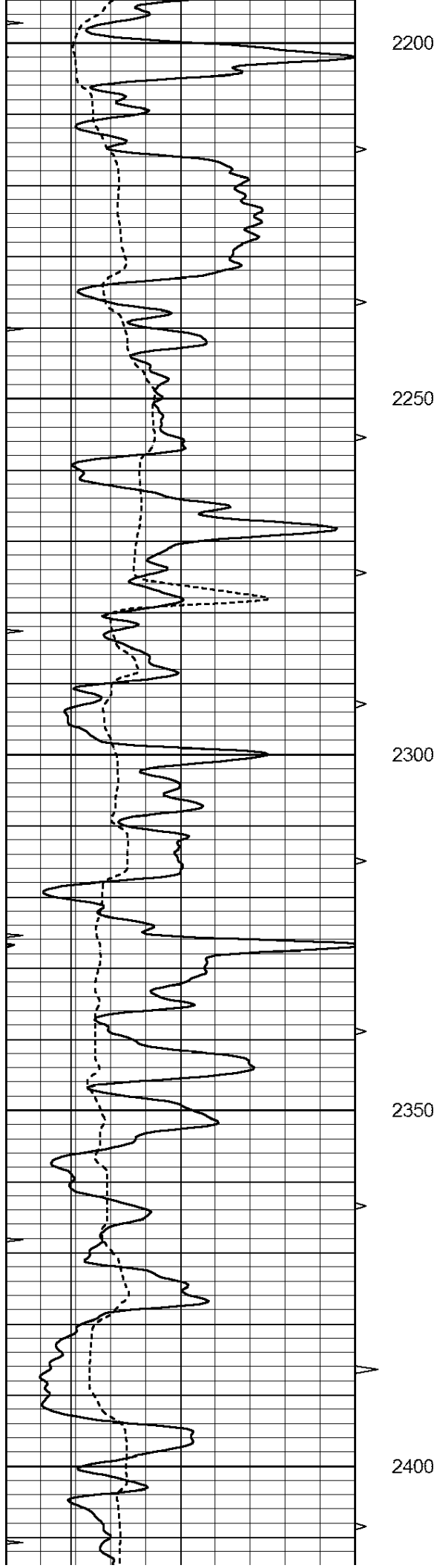
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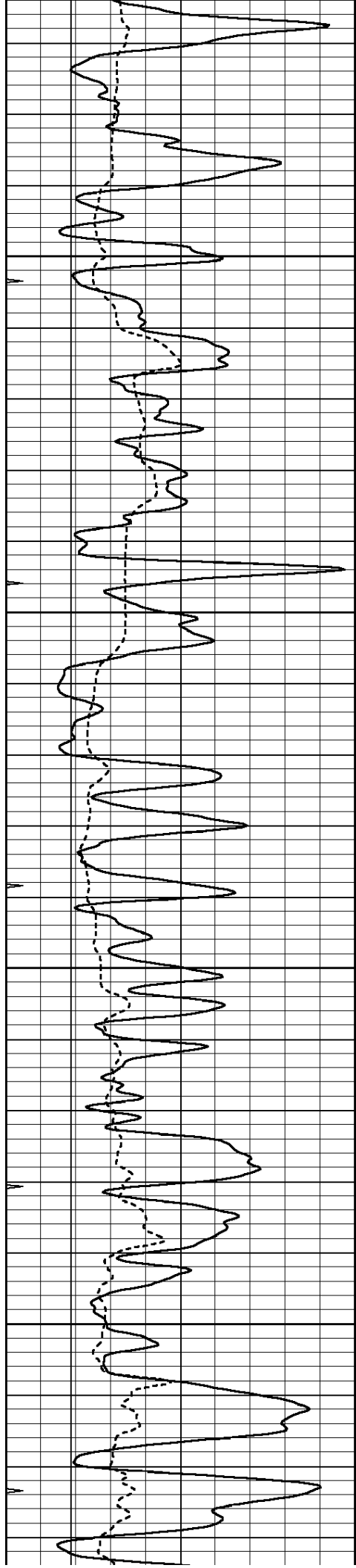
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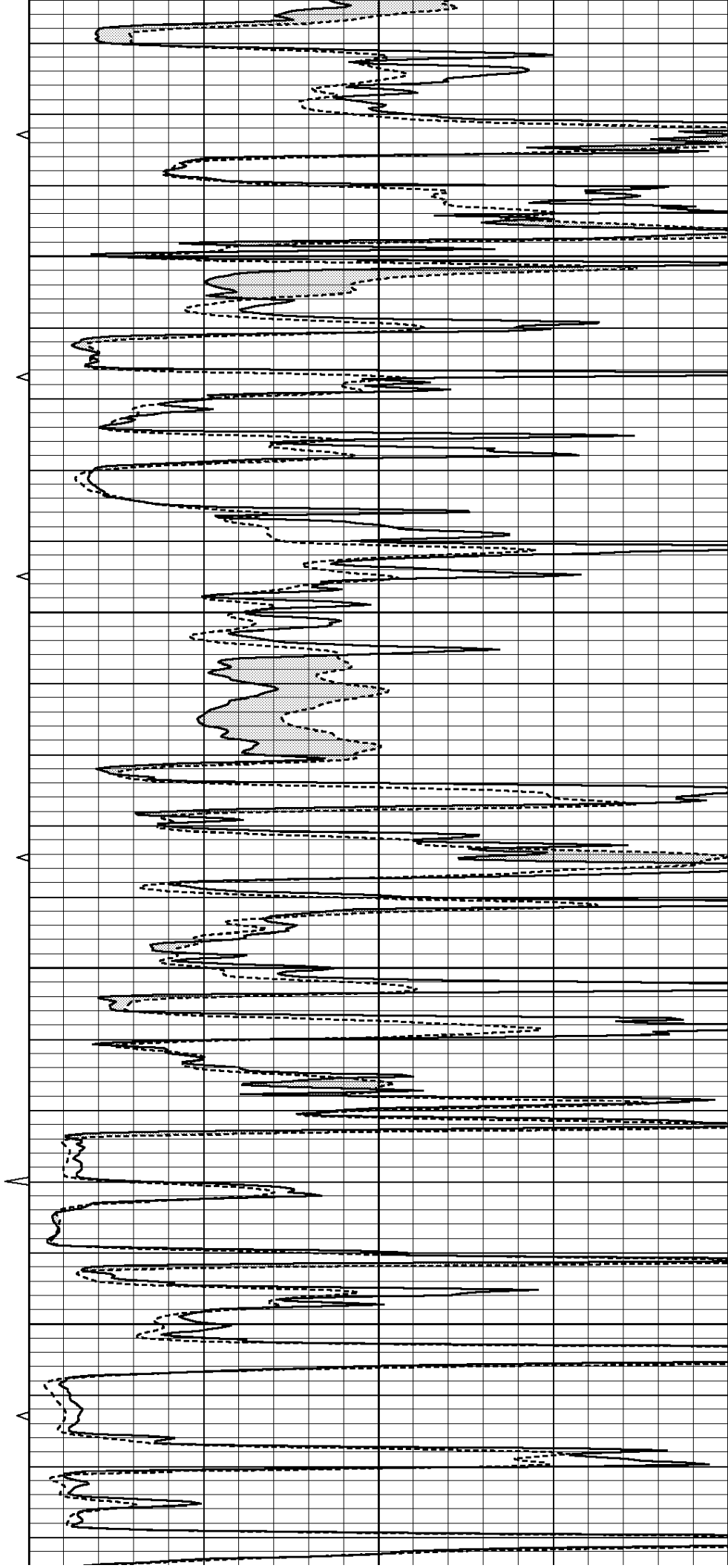


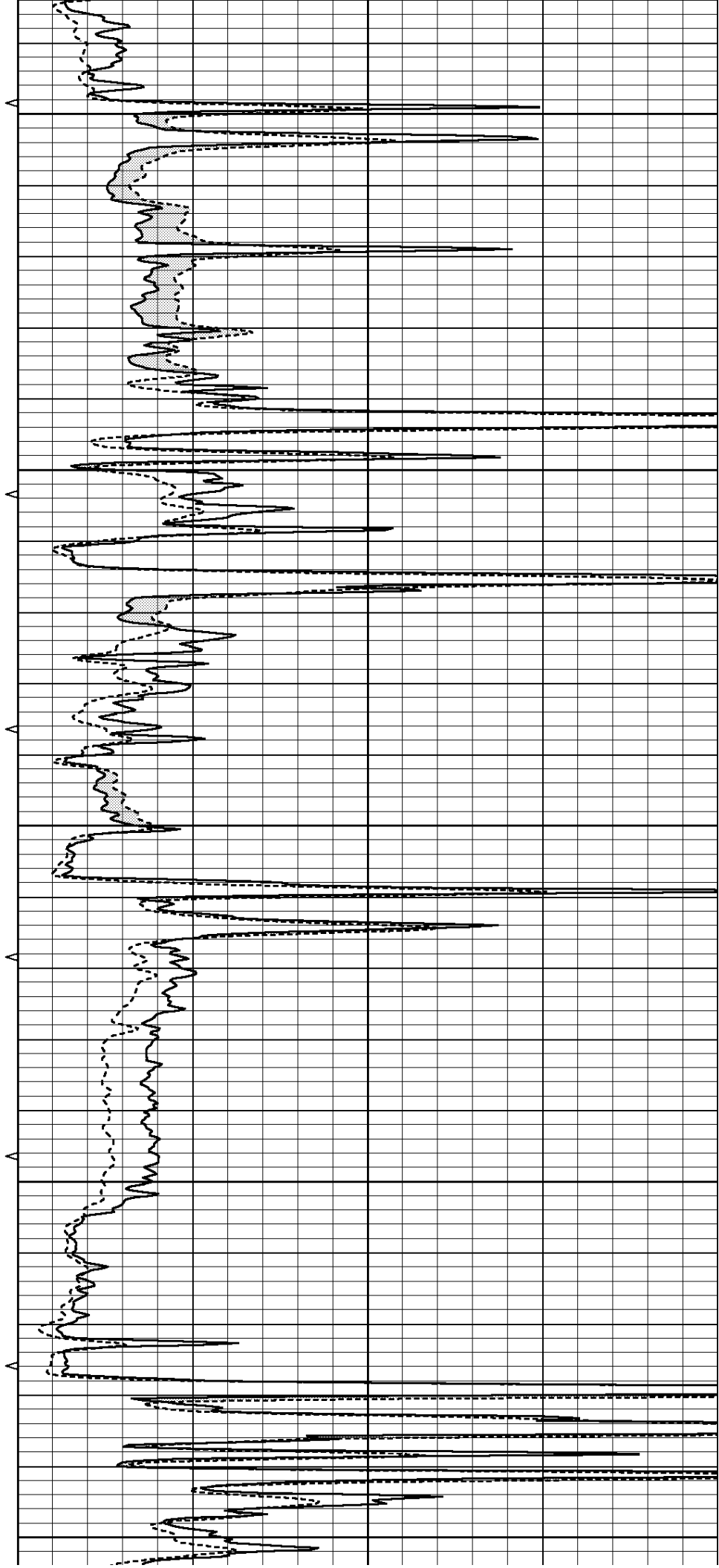
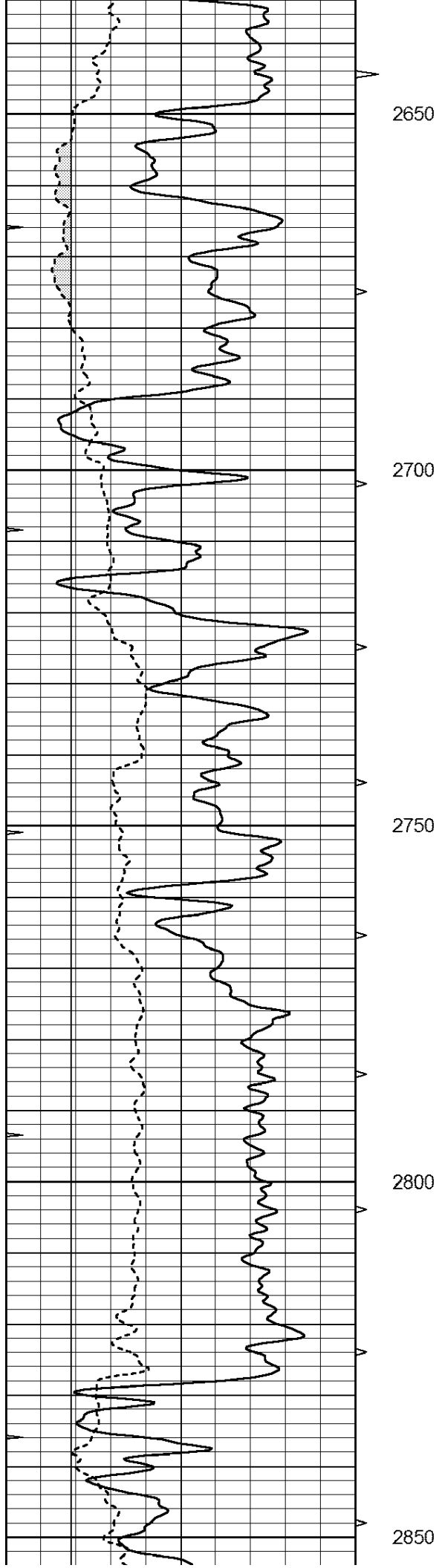
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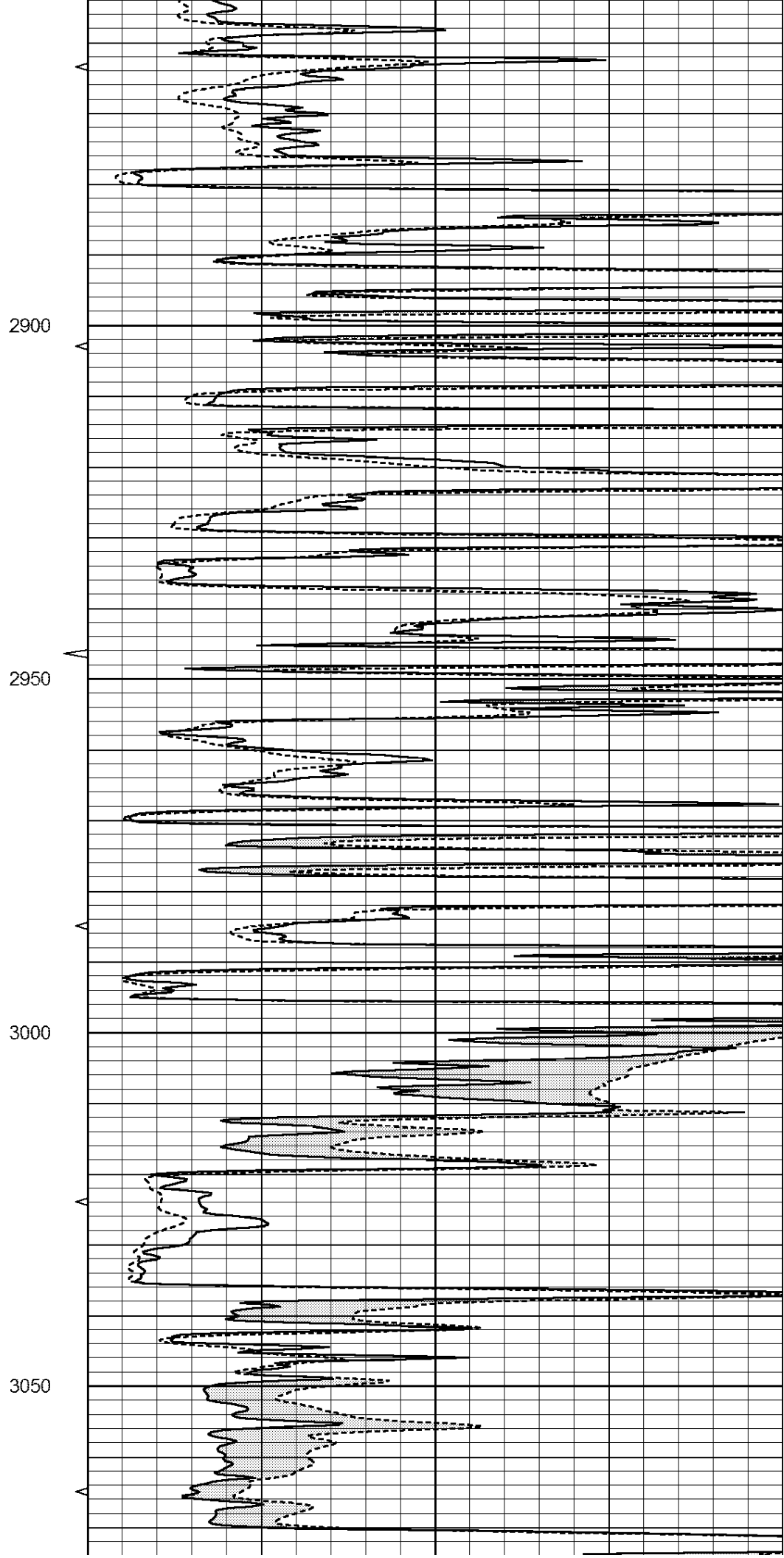
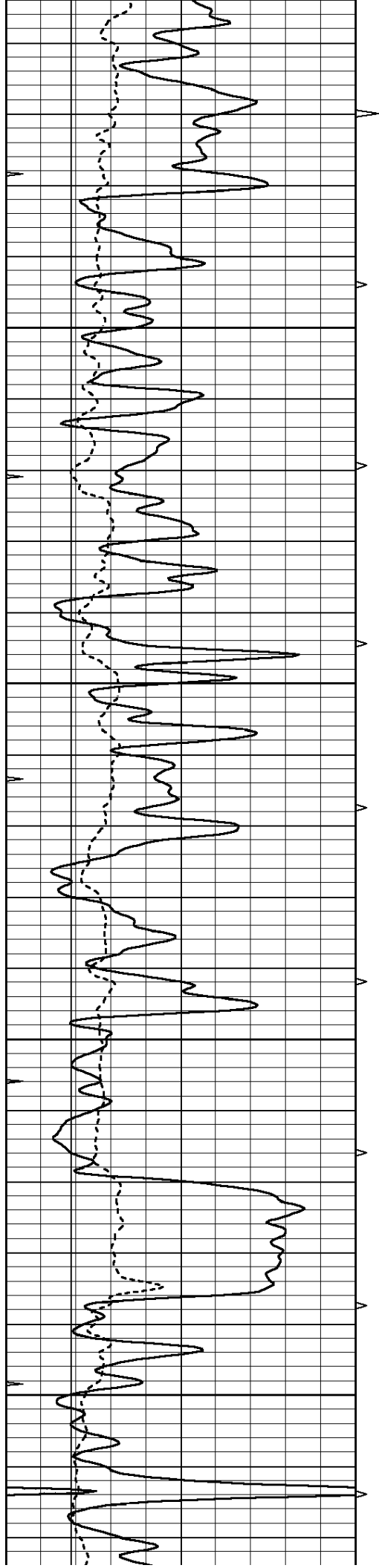
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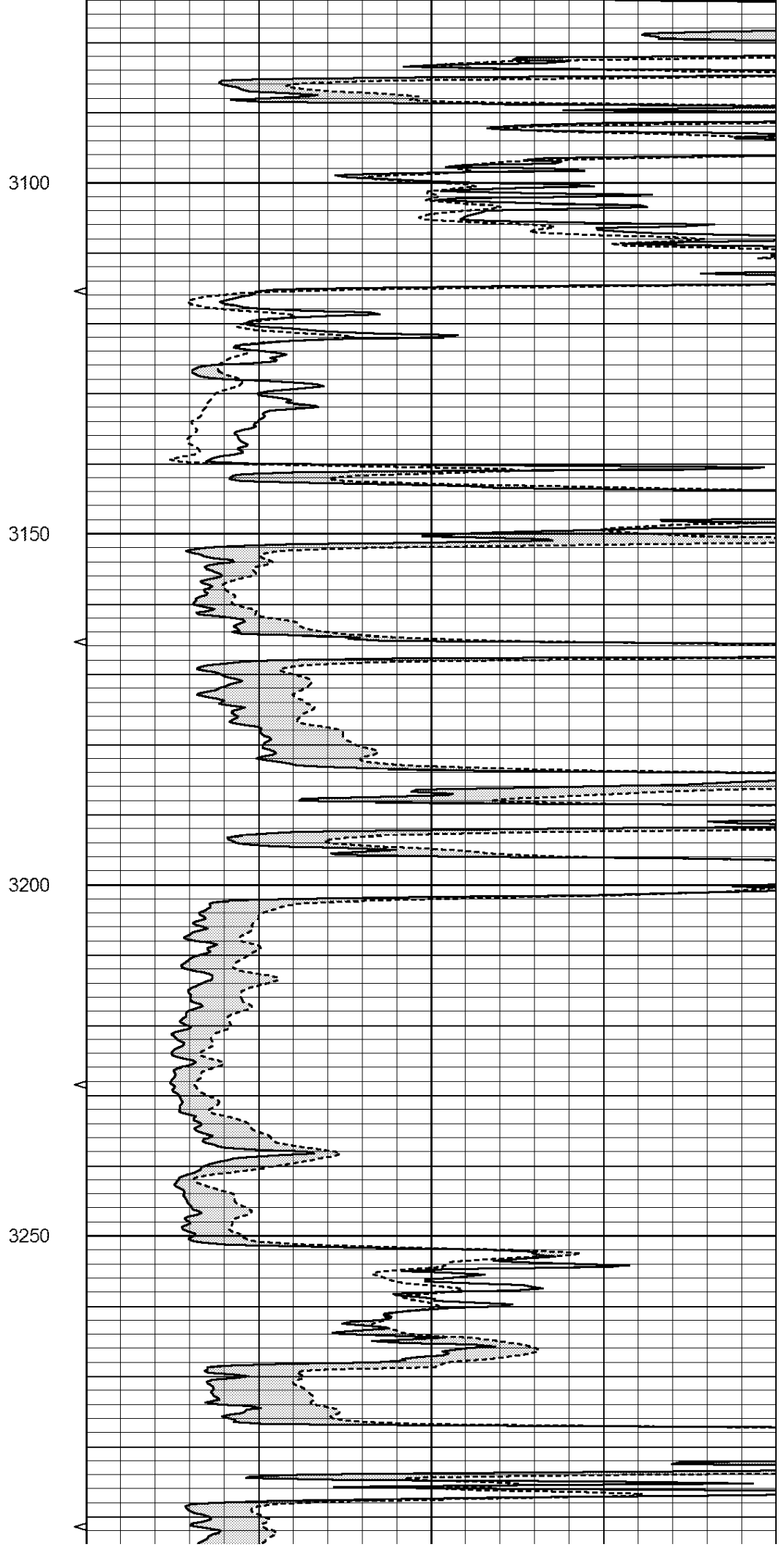
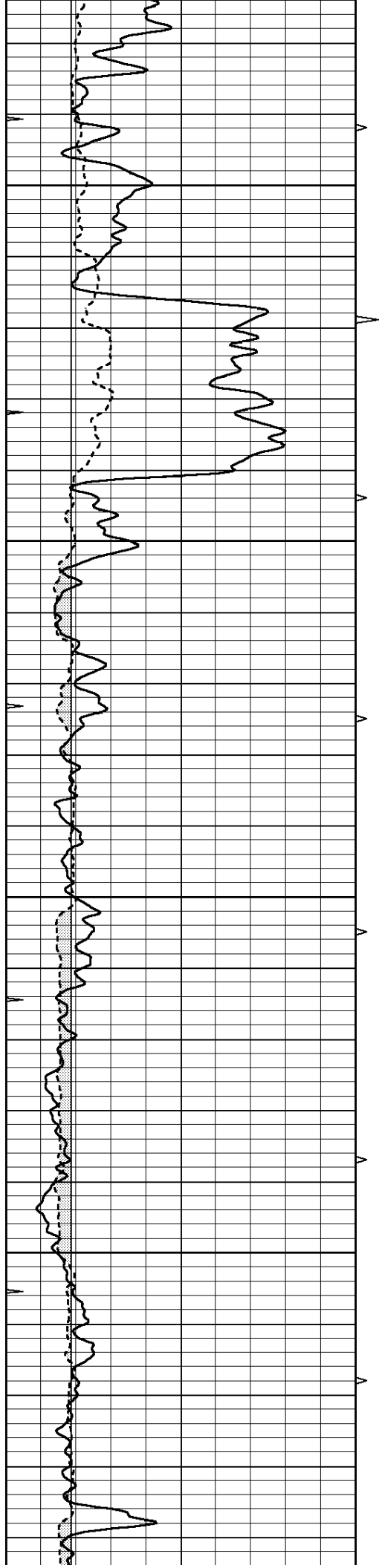
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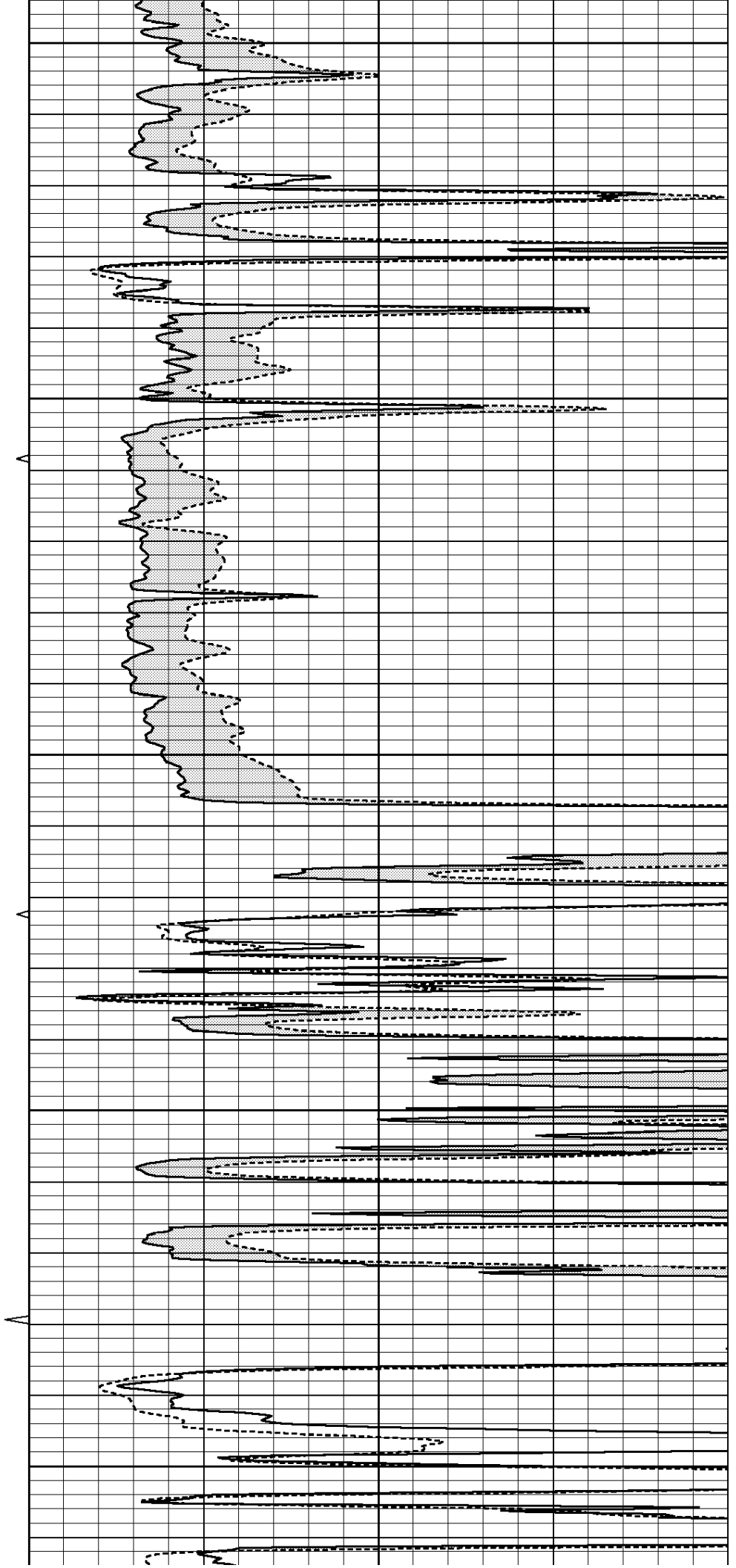
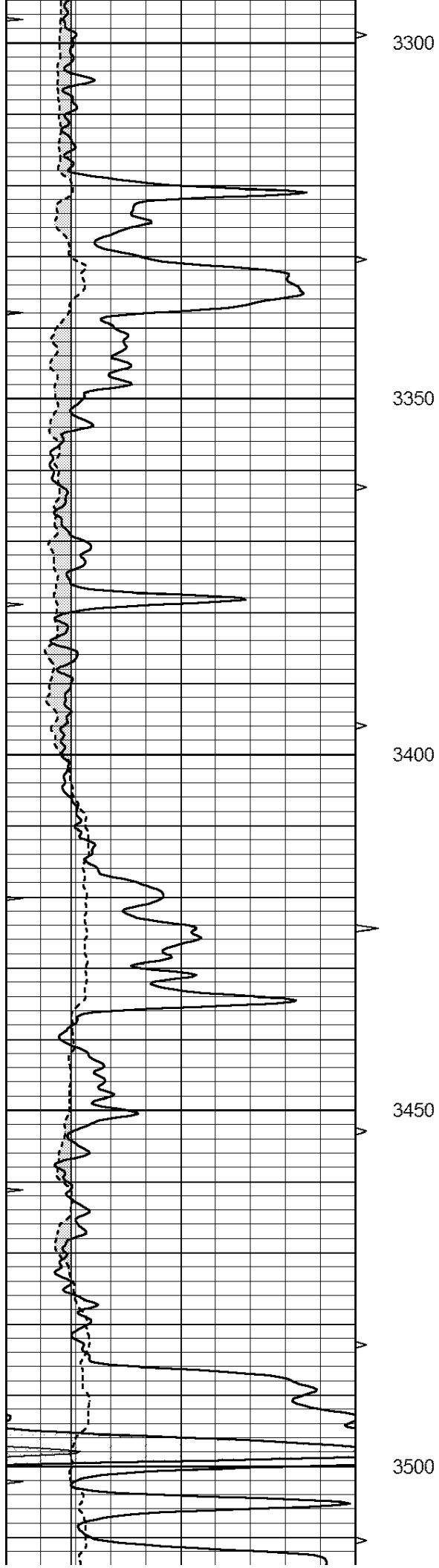
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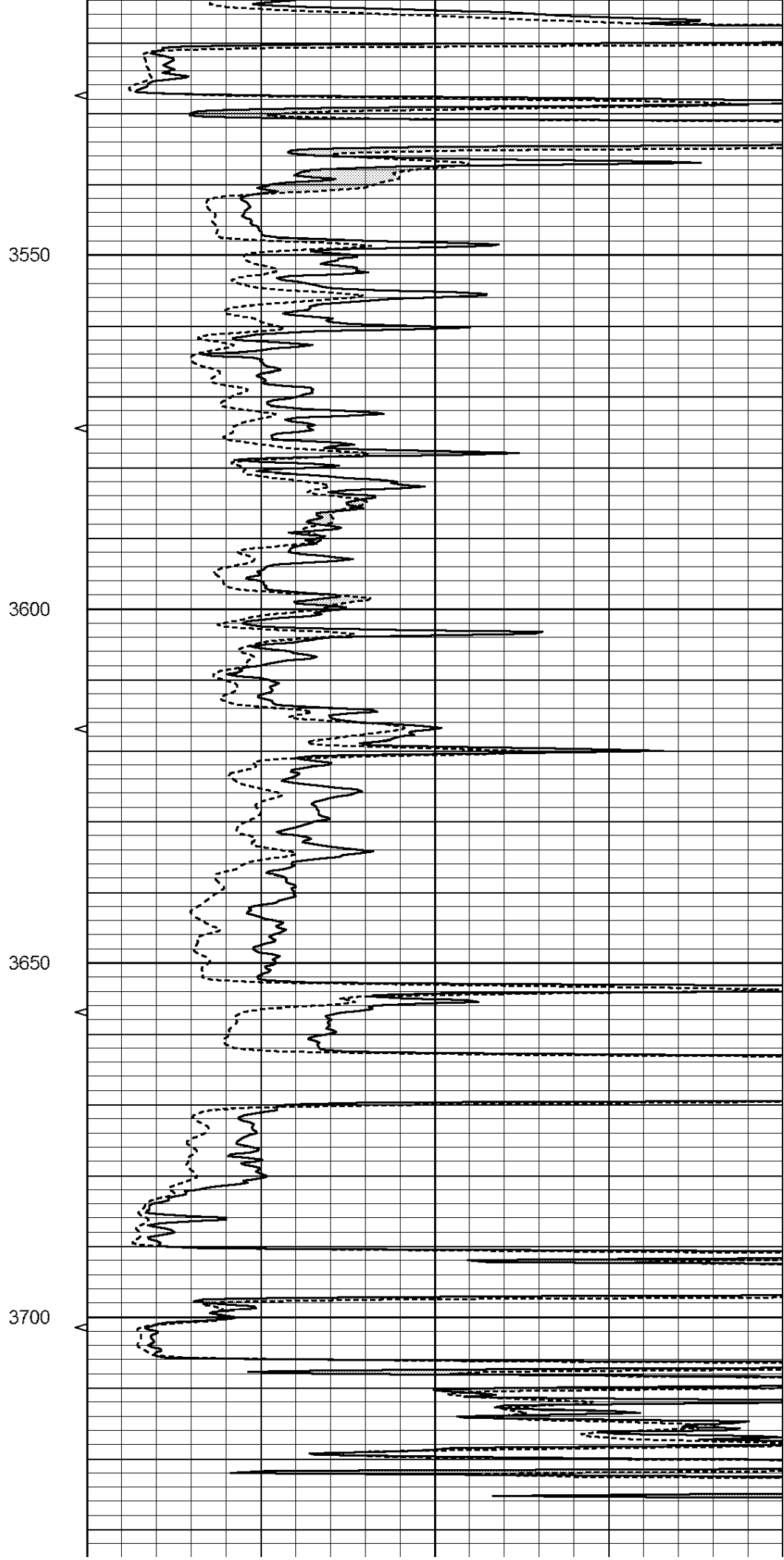
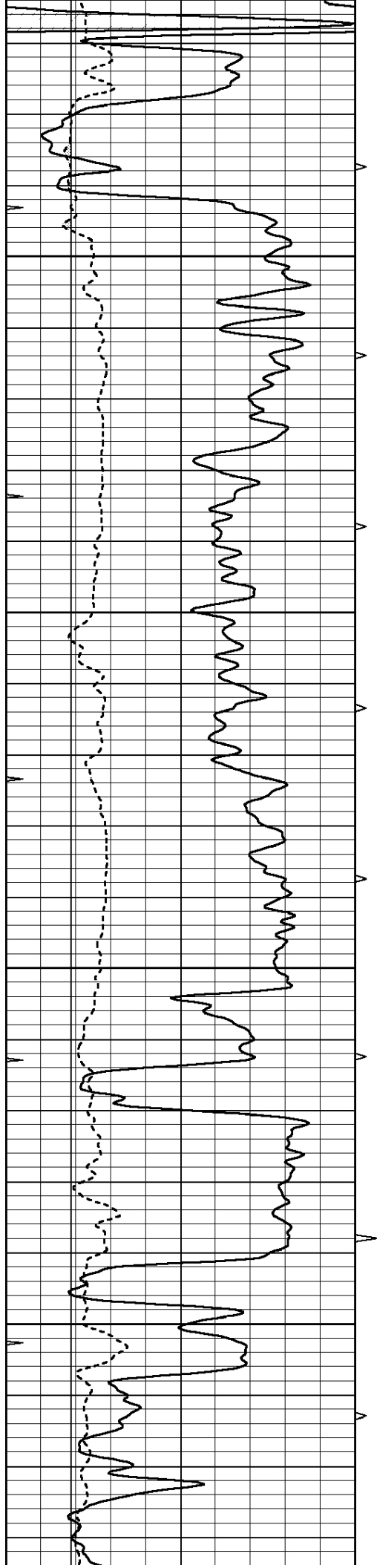


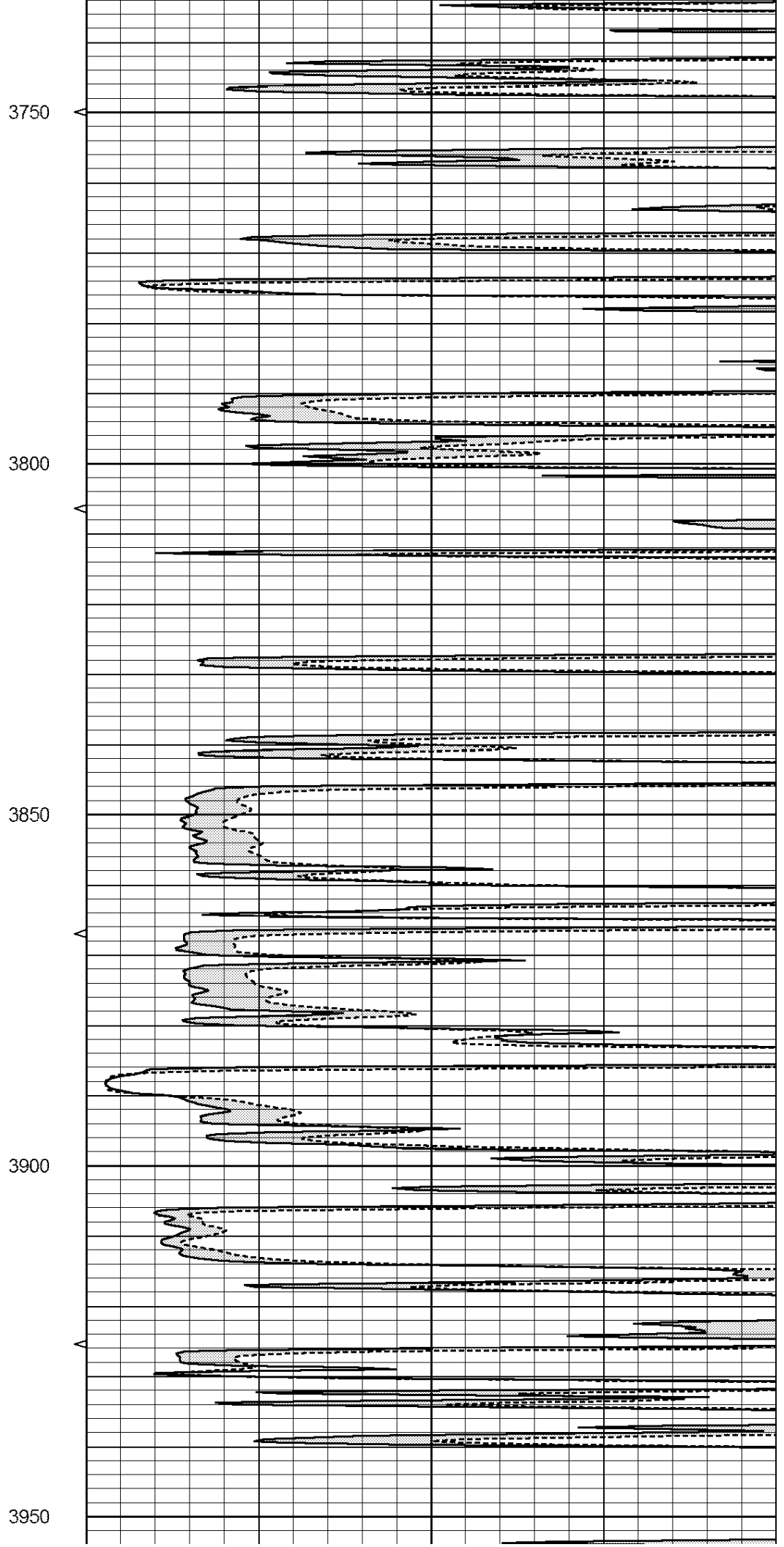
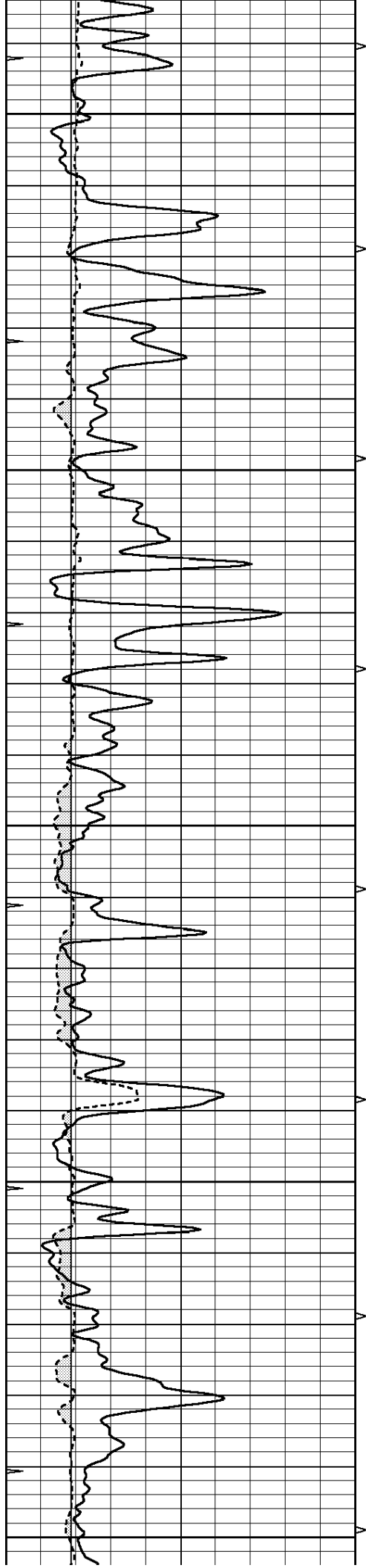


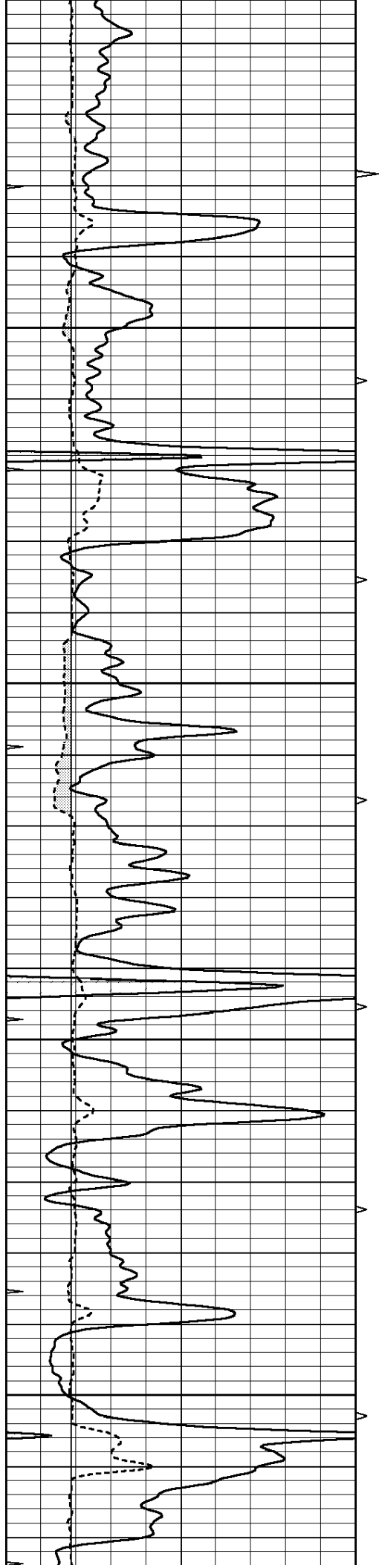










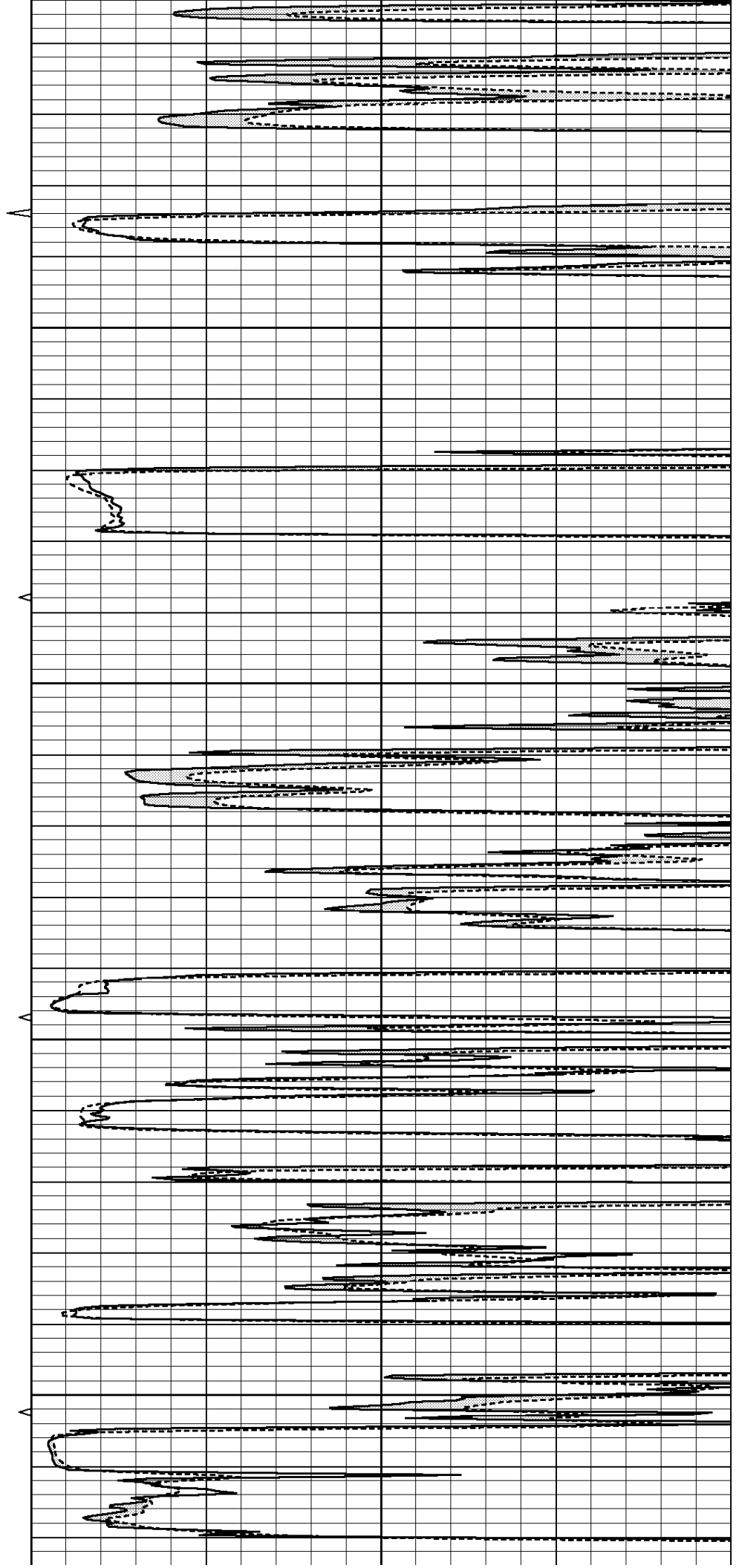


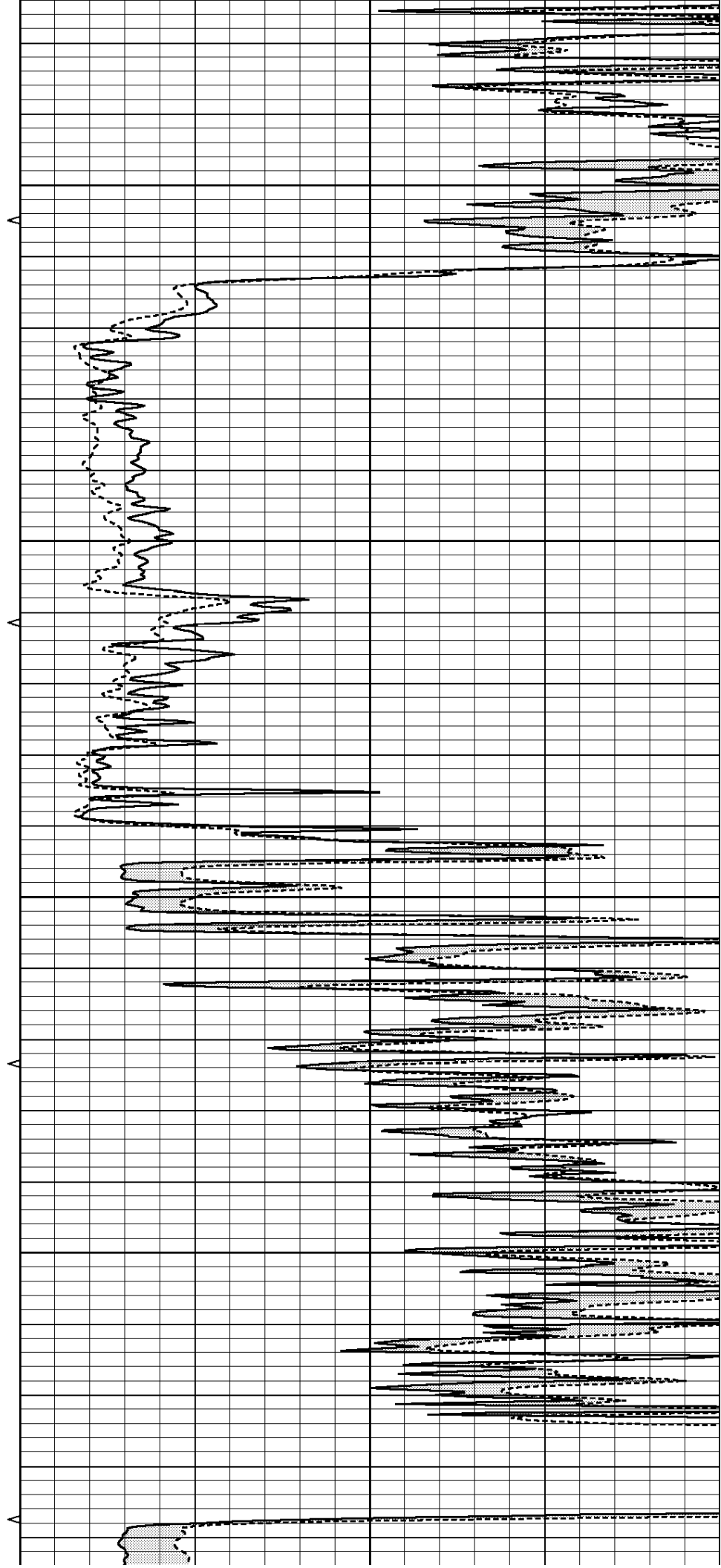
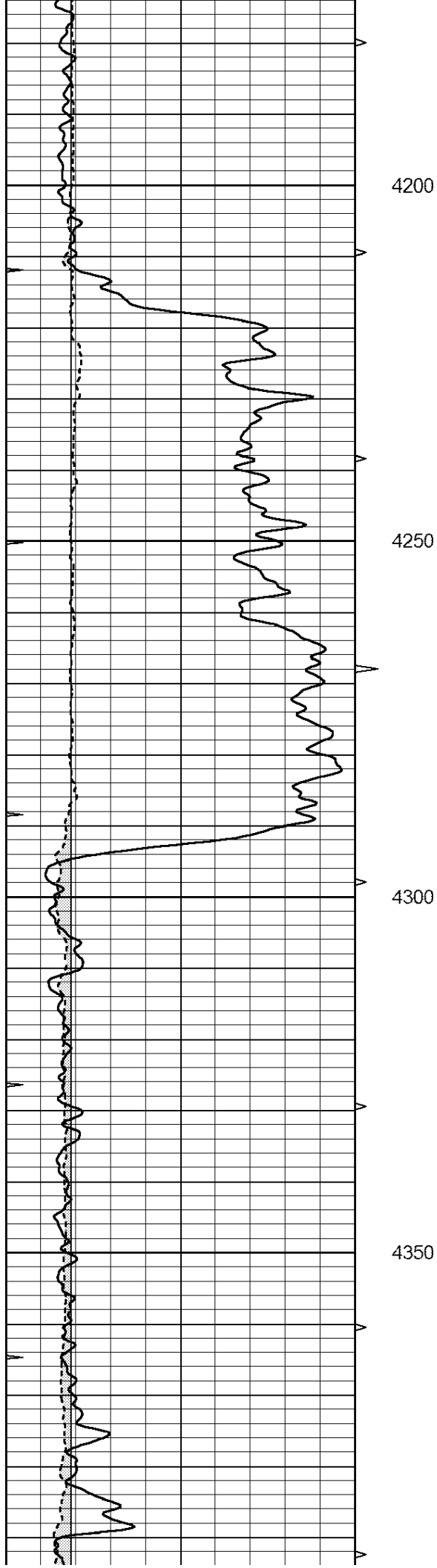
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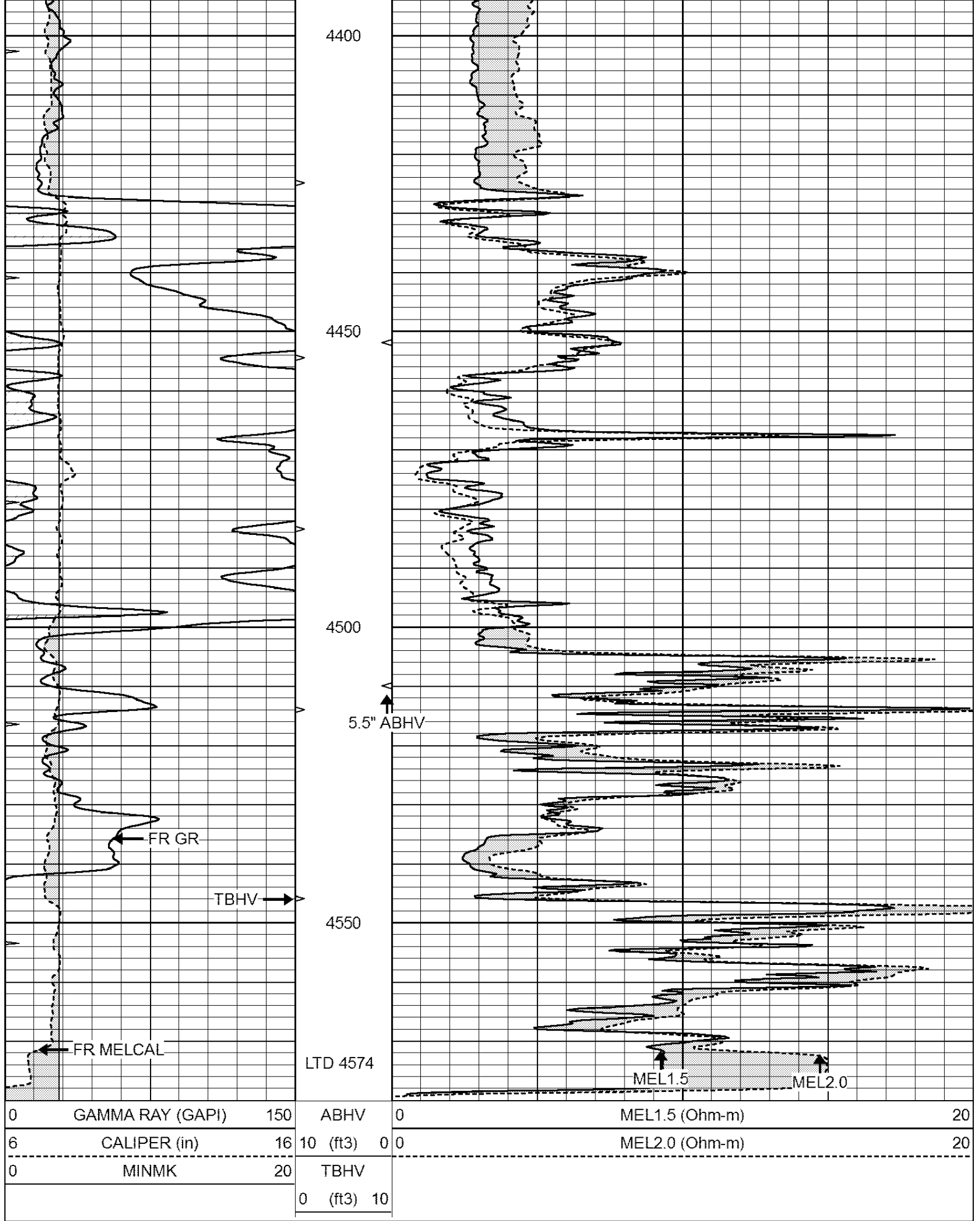
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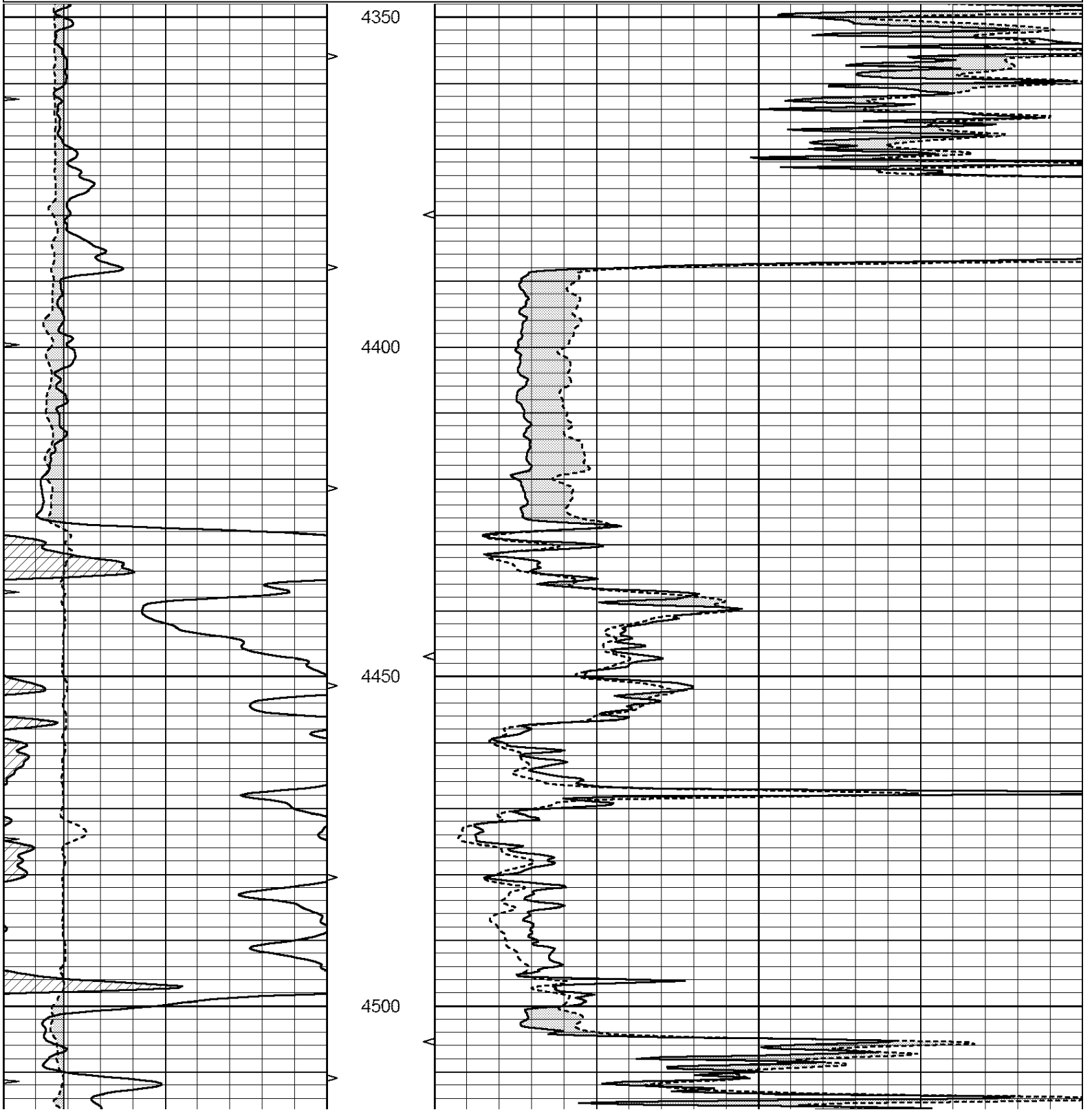


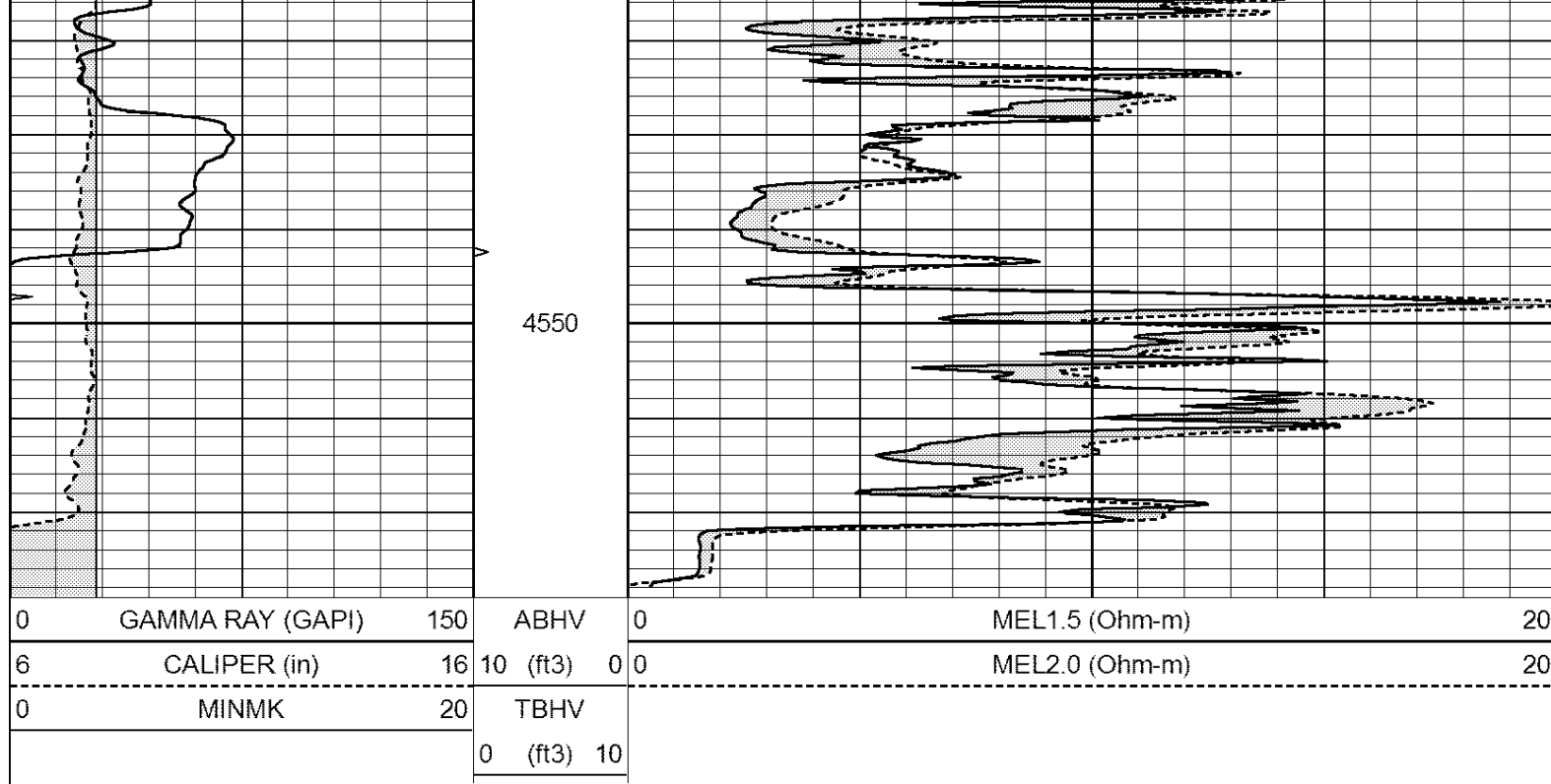
Hays,
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REPEAT SECTION

Database File: 408755pe.db
Dataset Pathname: pass5.3
Presentation Format: micro
Dataset Creation: Thu Apr 26 11:32:11 2012
Charted by: Depth in Feet scaled 1:240

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





Calibration Report		
Database File:	408755pe.db	
Dataset Pathname:	pass6.2	
Dataset Creation:	Thu Apr 26 13:07:54 2012	

MICRO Calibration Report			
Serial Number:	MICRO5		
Tool Model:	PROBE		
Performed:	Thu Apr 26 10:39:10 2012		
Caliper Calibration:	Gain=2.984	Offset=-1.226	
References	Low Cal	High Cal	
Readings	8.000	14.500	
	3.092	5.270	
1.5" Calibration:	Gain=20.000	Offset=0.500	
References	Low Cal	High Cal	
Readings	0.000	20.000	
	-0.002	0.981	
2" Calibration:	Gain=40.000	Offset=-0.500	
References	Low Cal	High Cal	
Readings	0.000	20.000	
	0.002	0.898	

Gamma Ray Calibration Report		
Serial Number:	GR4	
Tool Model:	OPEN	
Performed:	Thu Apr 26 10:39:06 2012	
Calibrator Value:	200.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	189.0	cps
Sensitivity:	1.4000	GAPI/cps

