



**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company LB EXPLORATION, INC.
Well HOPKINS RANCH 31 #1
Field WILDCAT
County BARBER
State KANSAS

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Field WILDCAT
County BARBER State KANSAS

Location: API # : 15-007-24268-00-00
330' FNL & 850' FEL
E2 - NW - NE - NE
SEC 31 TWP 32S RGE 13W
GROUND LEVEL Elevation 1715
Log Measured From KELLY BUSHING 13' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL/PE
DIL/SONIC
Elevation
K.B. 1728
D.F. 1726
G.L. 1715

Date	2/8/15		
Run Number	TWO		
Depth Driller	5307		
Depth Logger	5302		
Bottom Logged Interval	5284		
Top Log Interval	2400		
Casing Driller	13 3/8" @ 221'		
Casing Logger	220'		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6,000 PPM	
Density / Viscosity	9.2/52		
pH / Fluid Loss	10.0/8.0		
Source of Sample	FLOWLINE		
Rin @ Meas. Temp	.75 @ 60F		
Rmf @ Meas. Temp	.56 @ 60F		
Rmc @ Meas. Temp	.90 @ 60F		
Source of Rmf / Rmc	MEASUREMENT		
Rin @ BHT	.51 @ 128F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	128F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	IAN MABB	BLAKE WAGGONER	
Witnessed By	STEVEN PETERMANN		

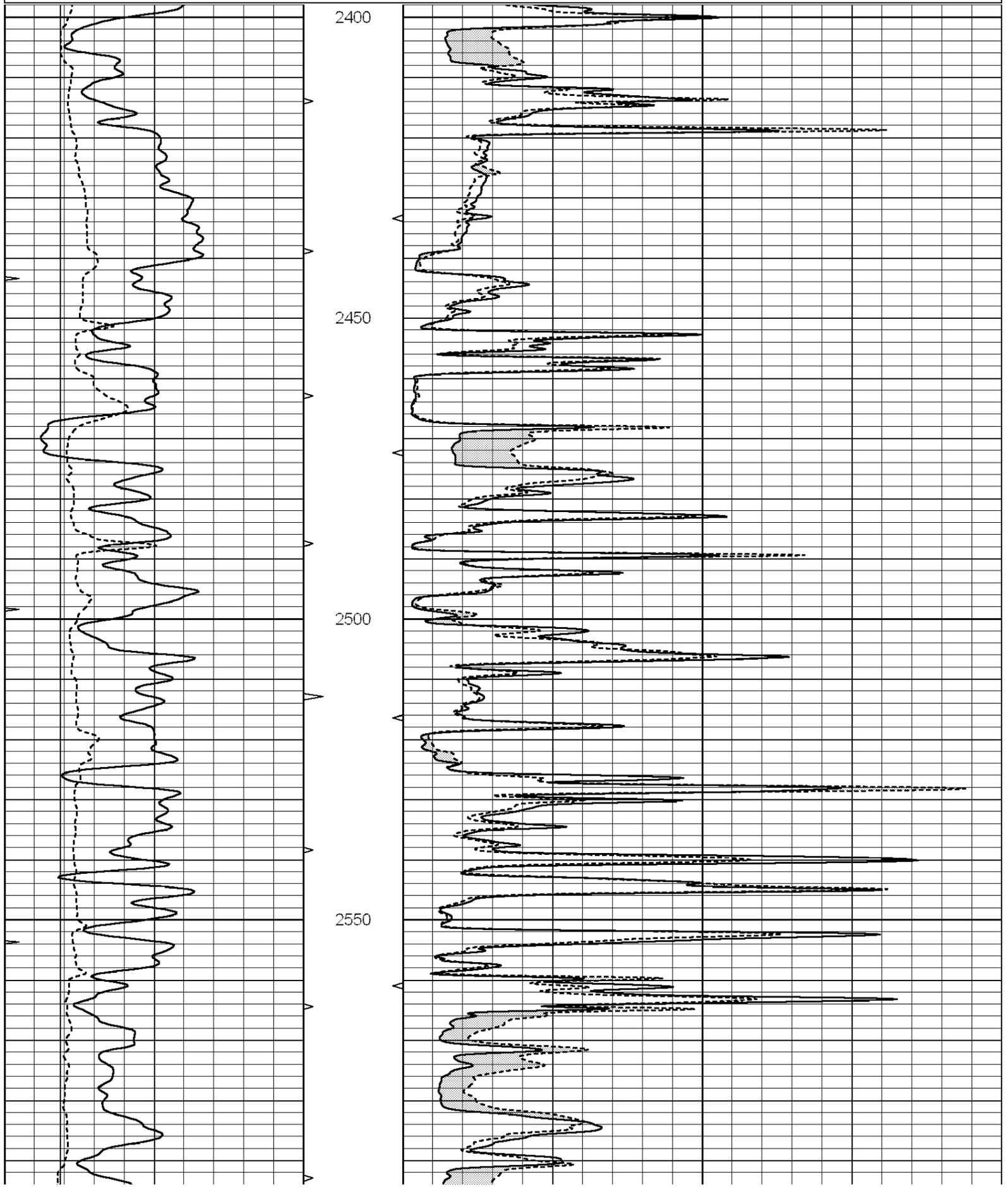
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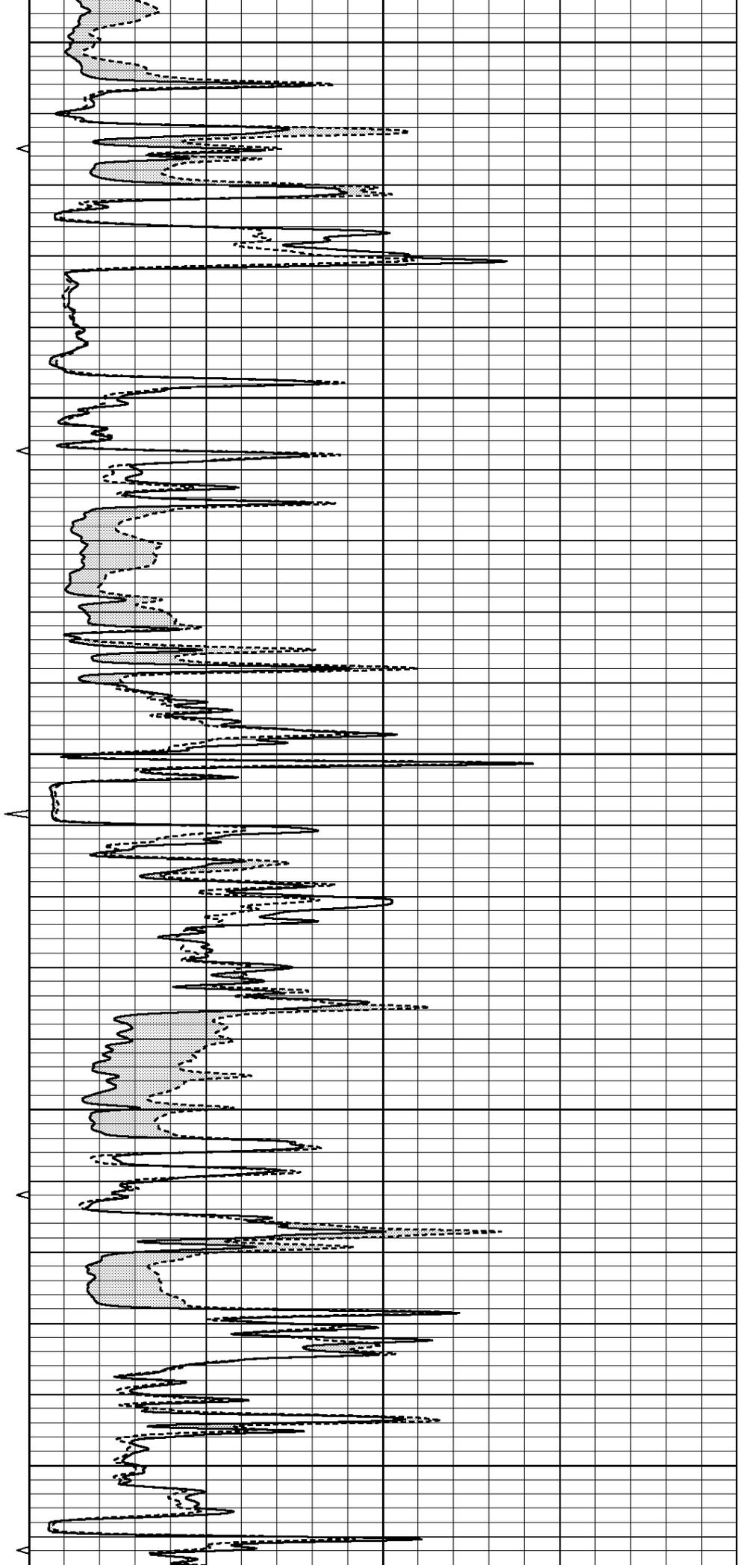
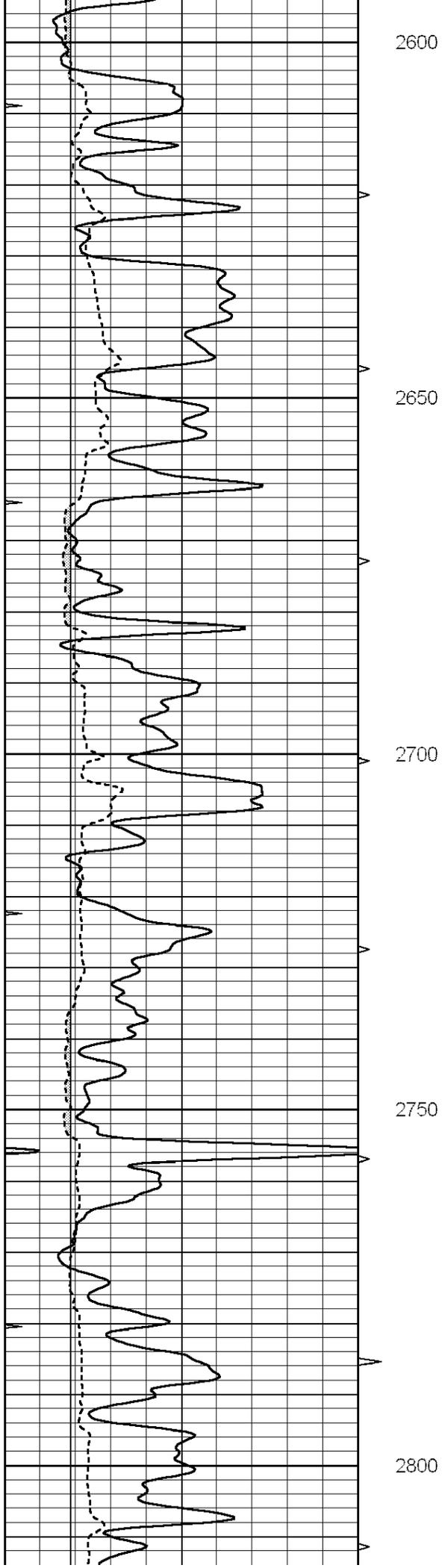
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

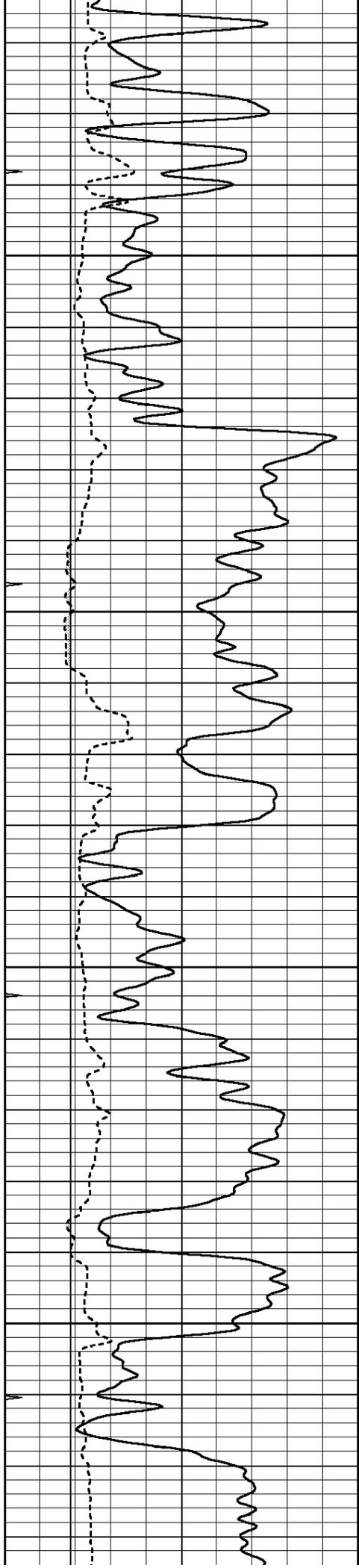
Comments

THANK YOU FOR USING "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS
COLWATER, KS, APPROX. 28E. TO "LAKE CITY RD.", 5S. TO "BITTER CREEK RD.", 2E., S.E. ON MAIN
TRAIL, STAY RIGHT AT FORKS

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		





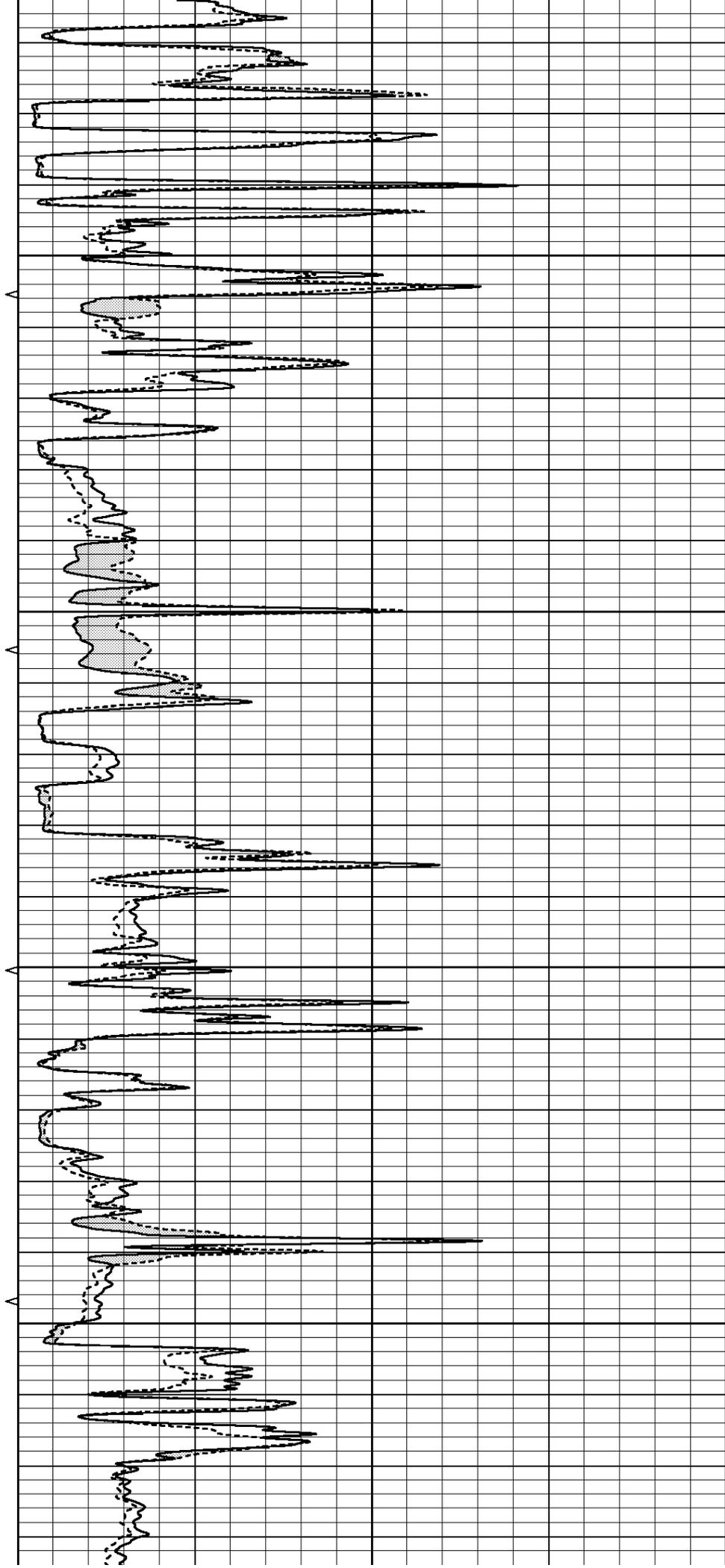


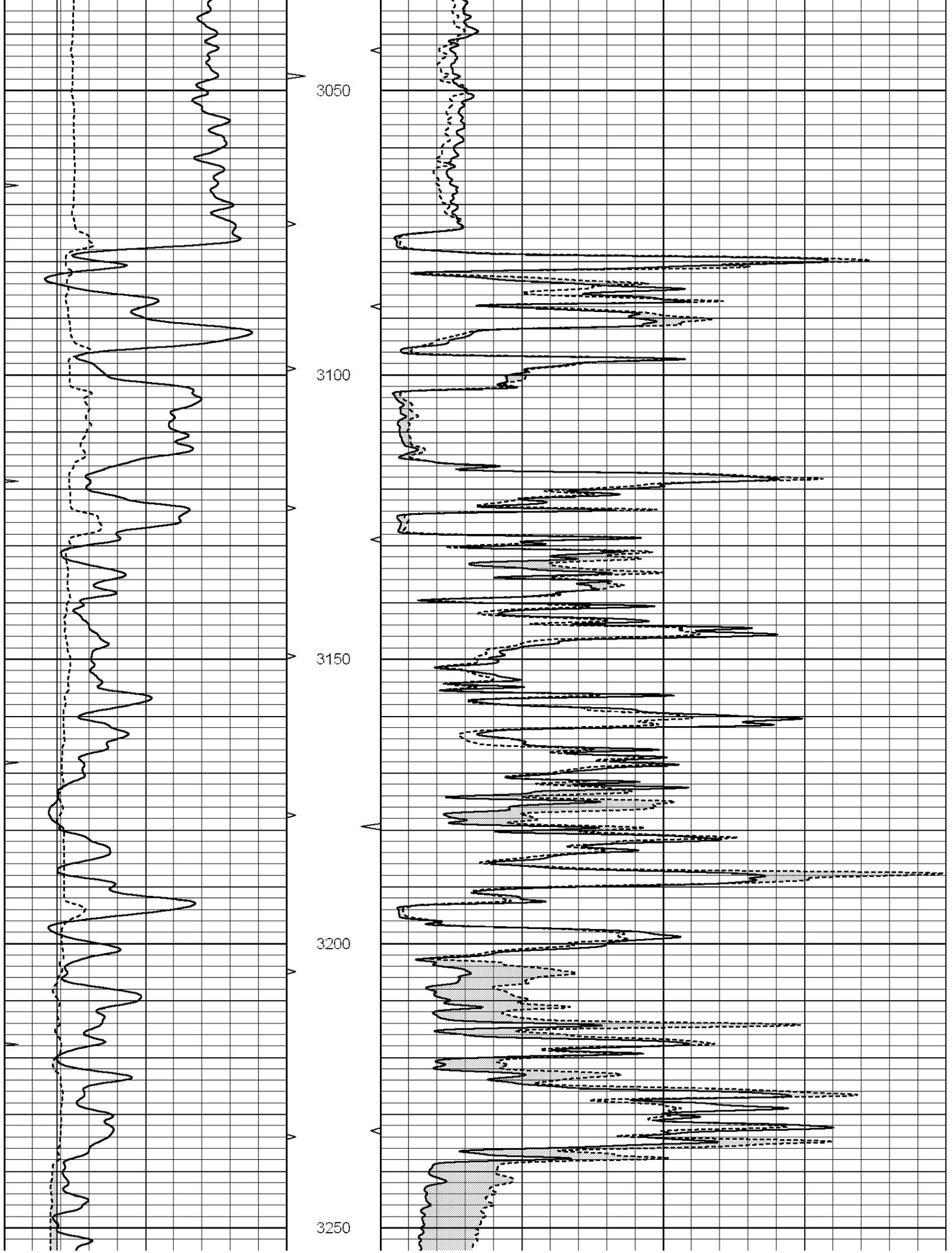
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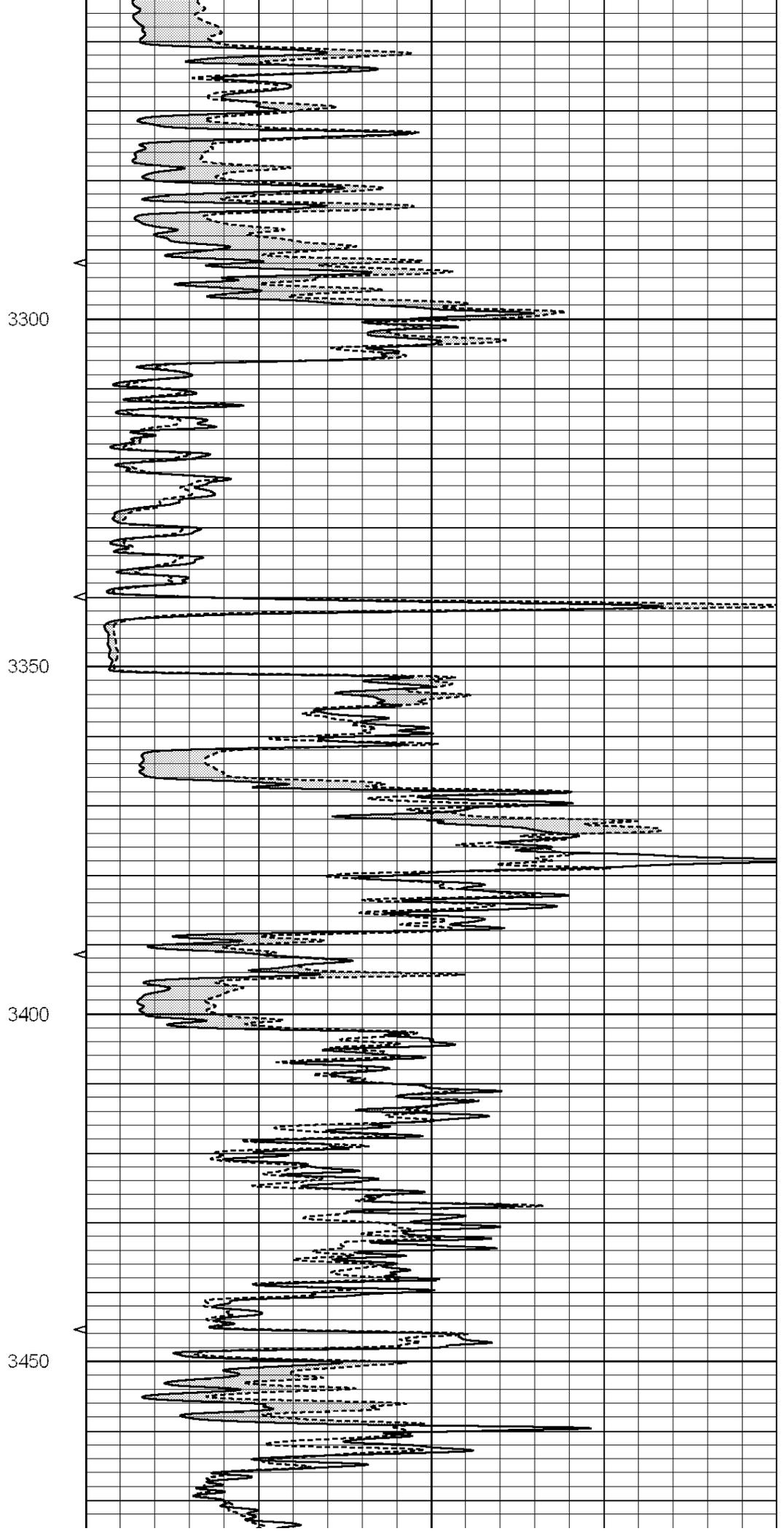
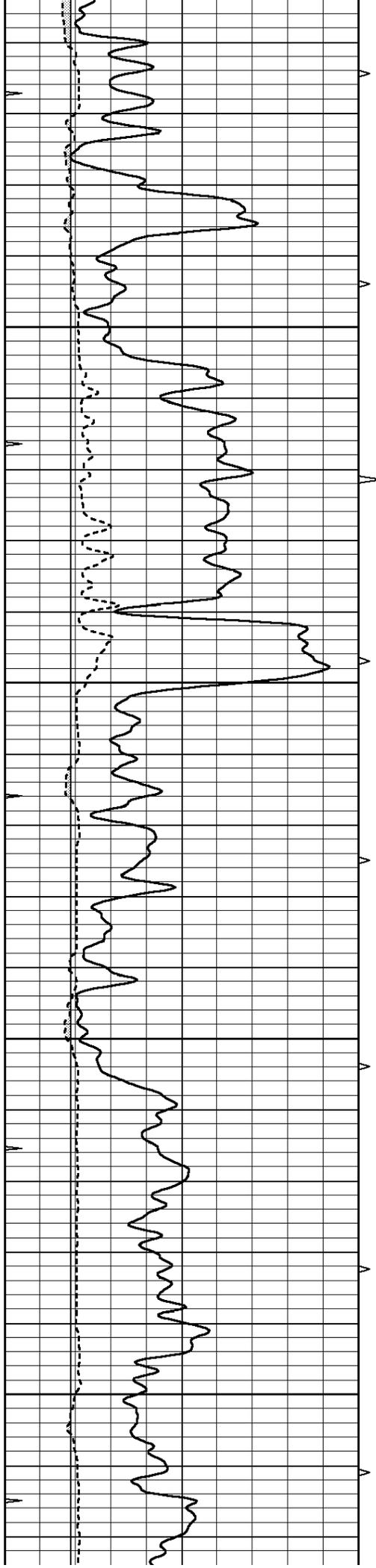
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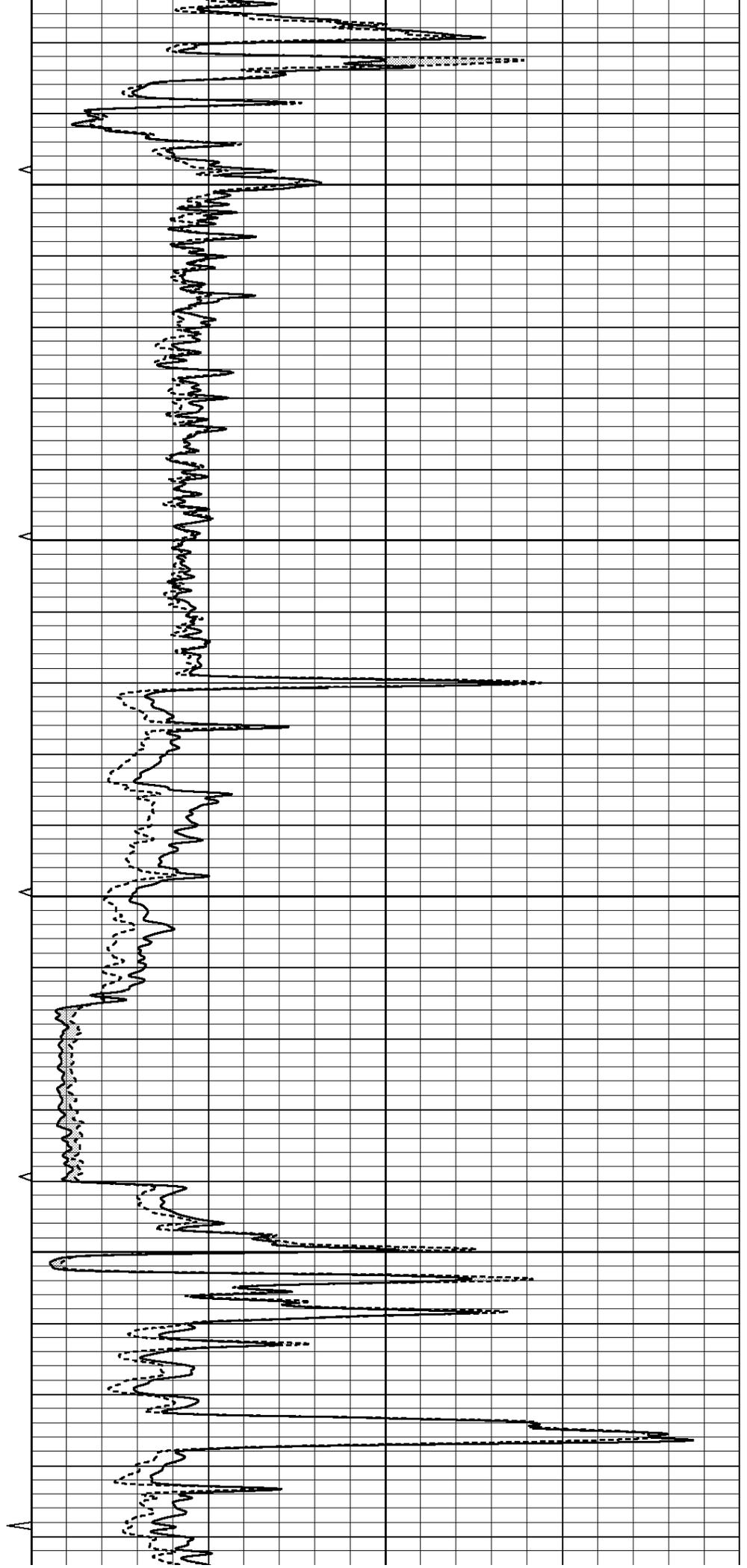
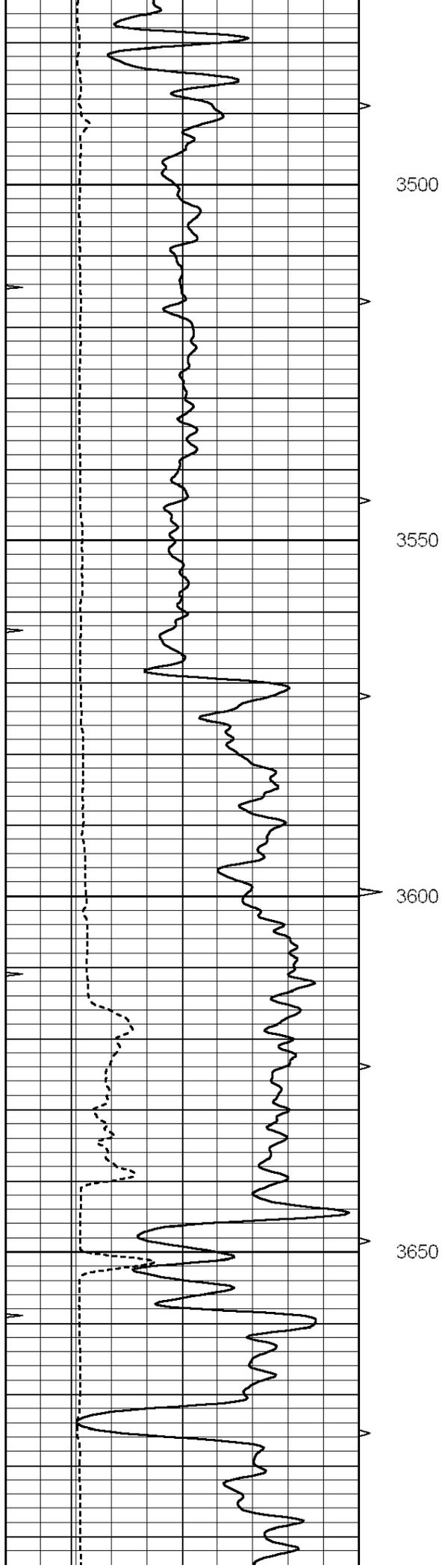
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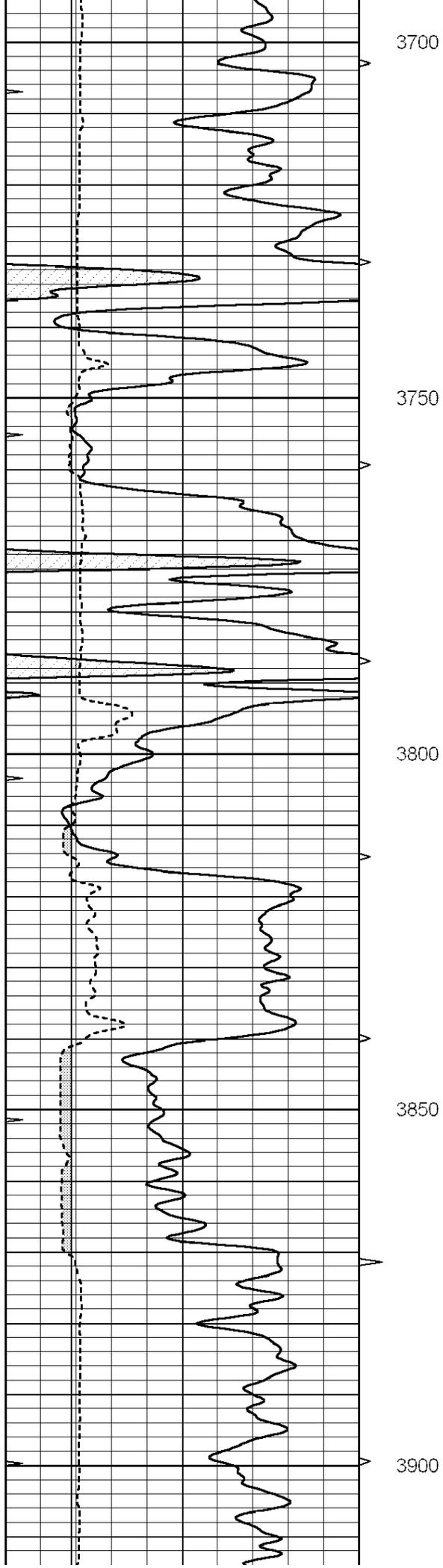
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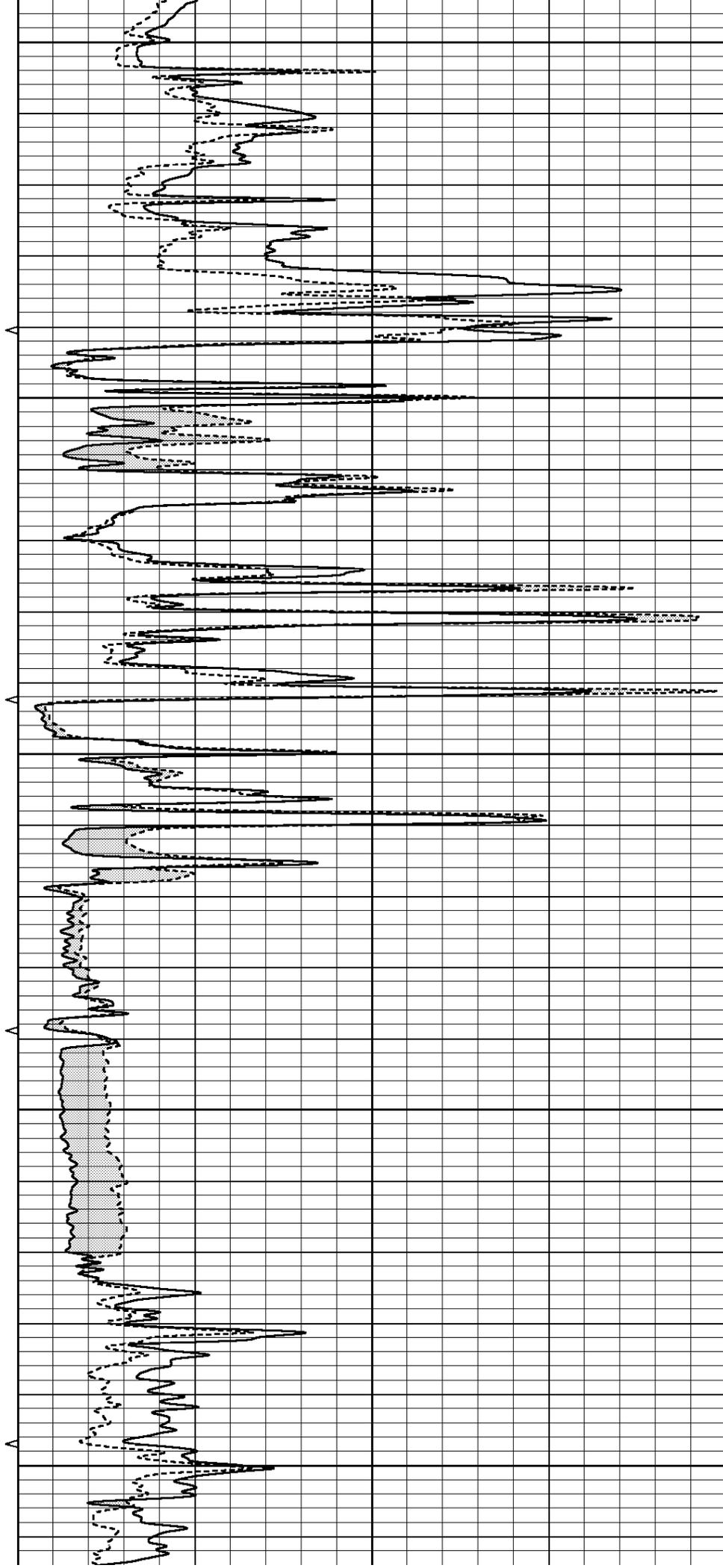
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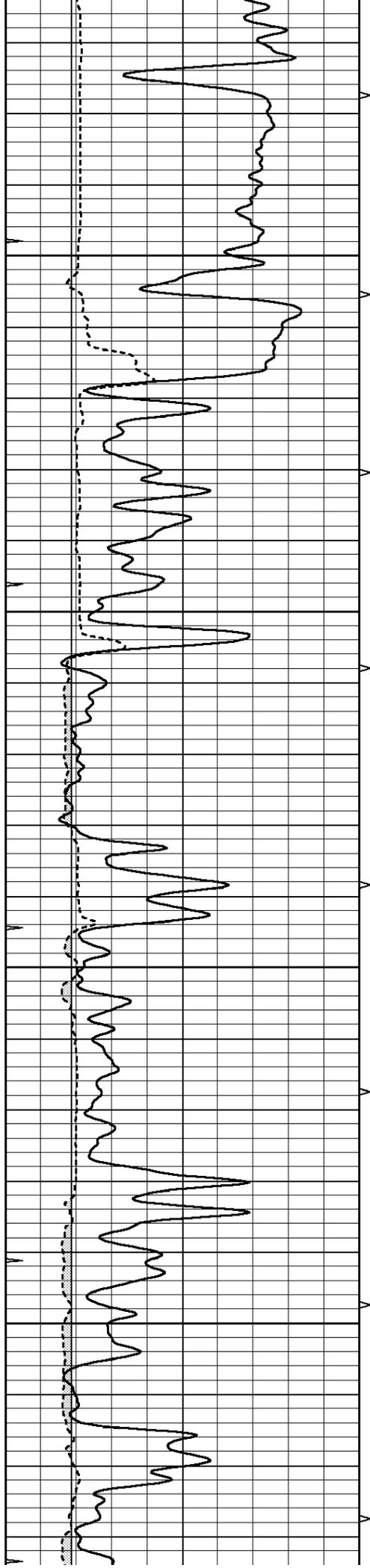
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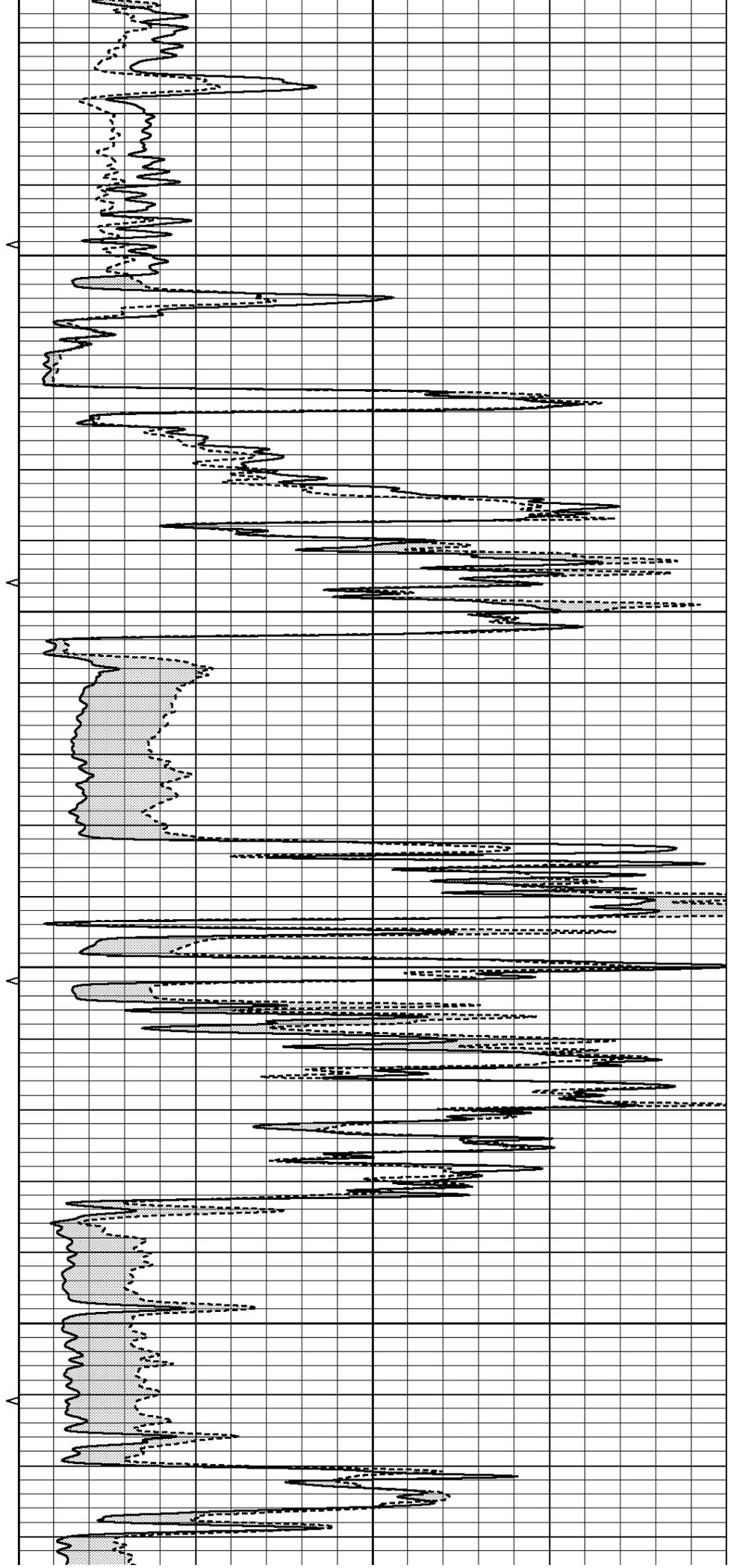


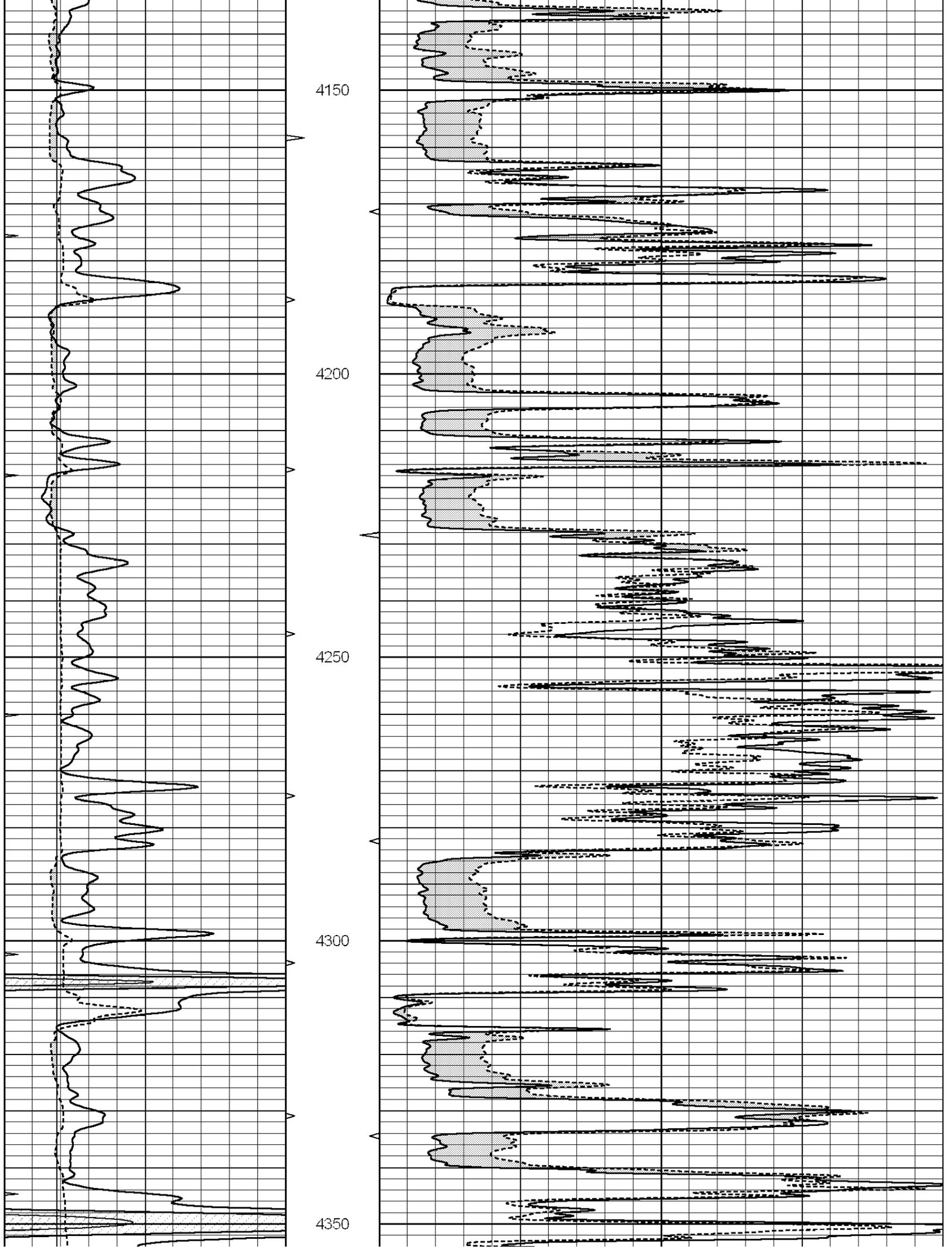
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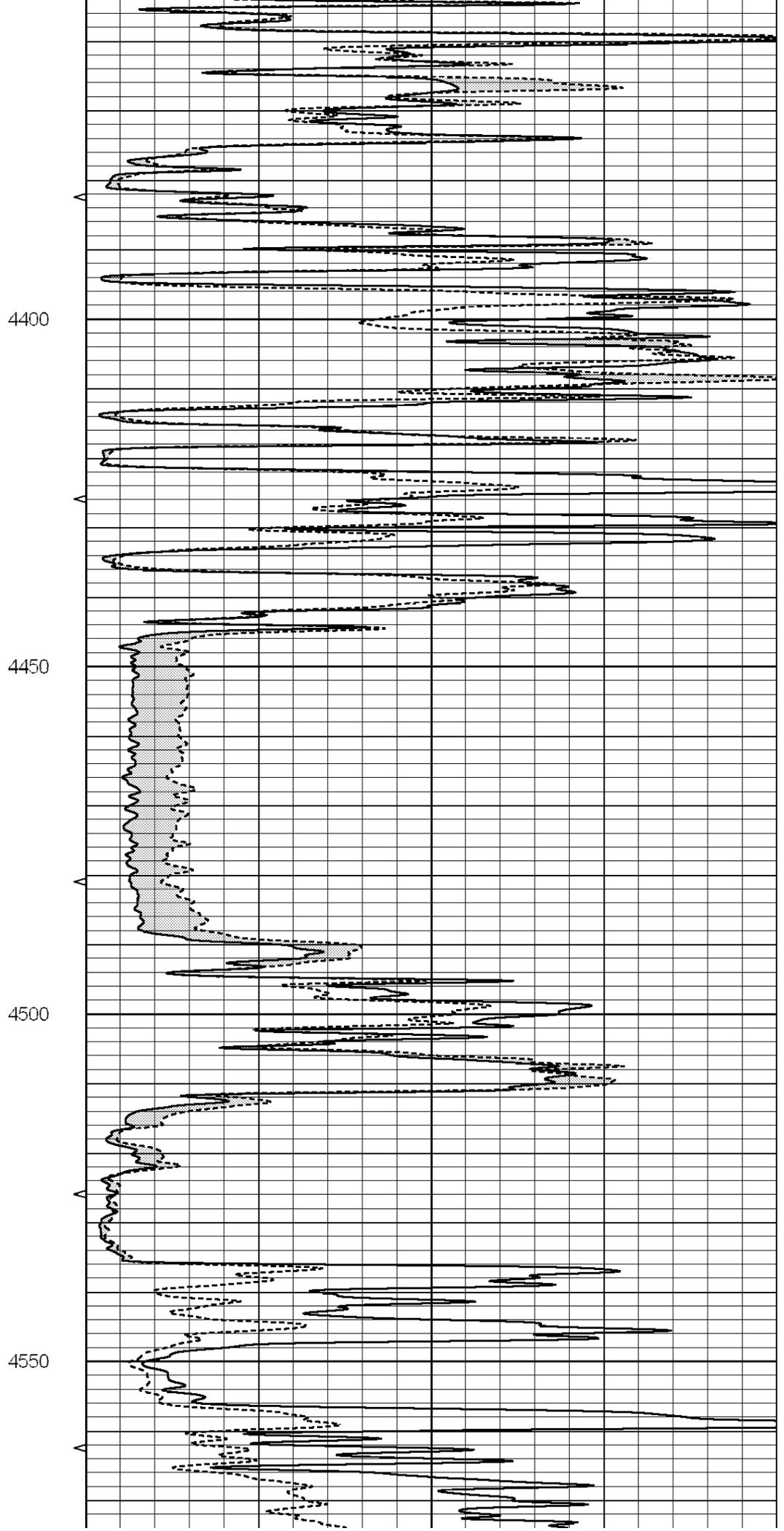
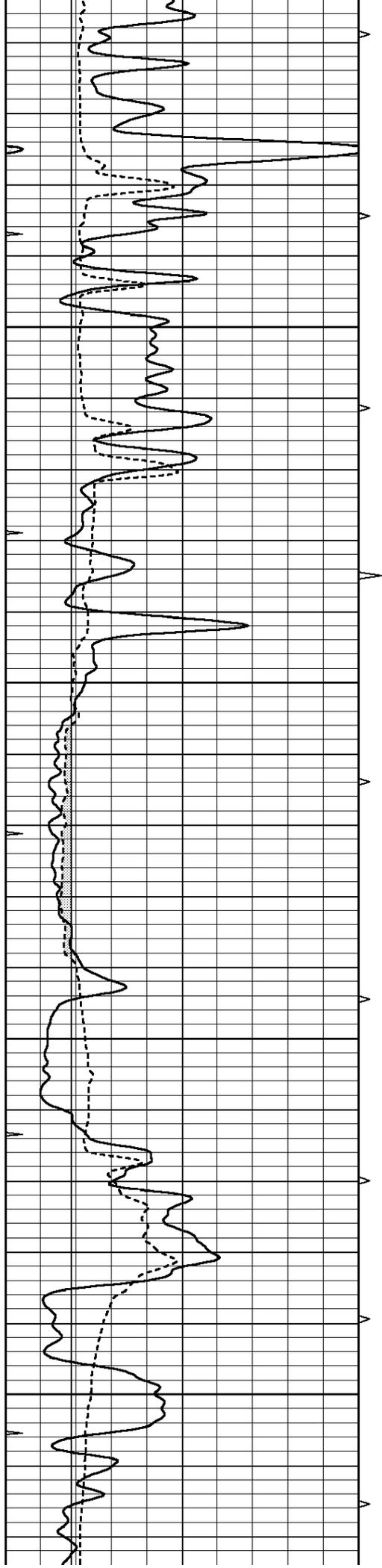
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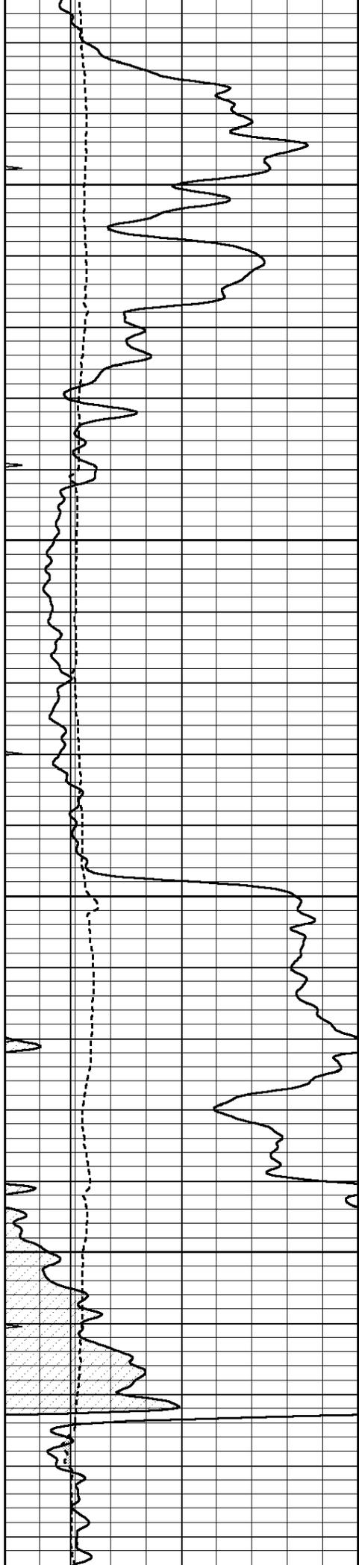
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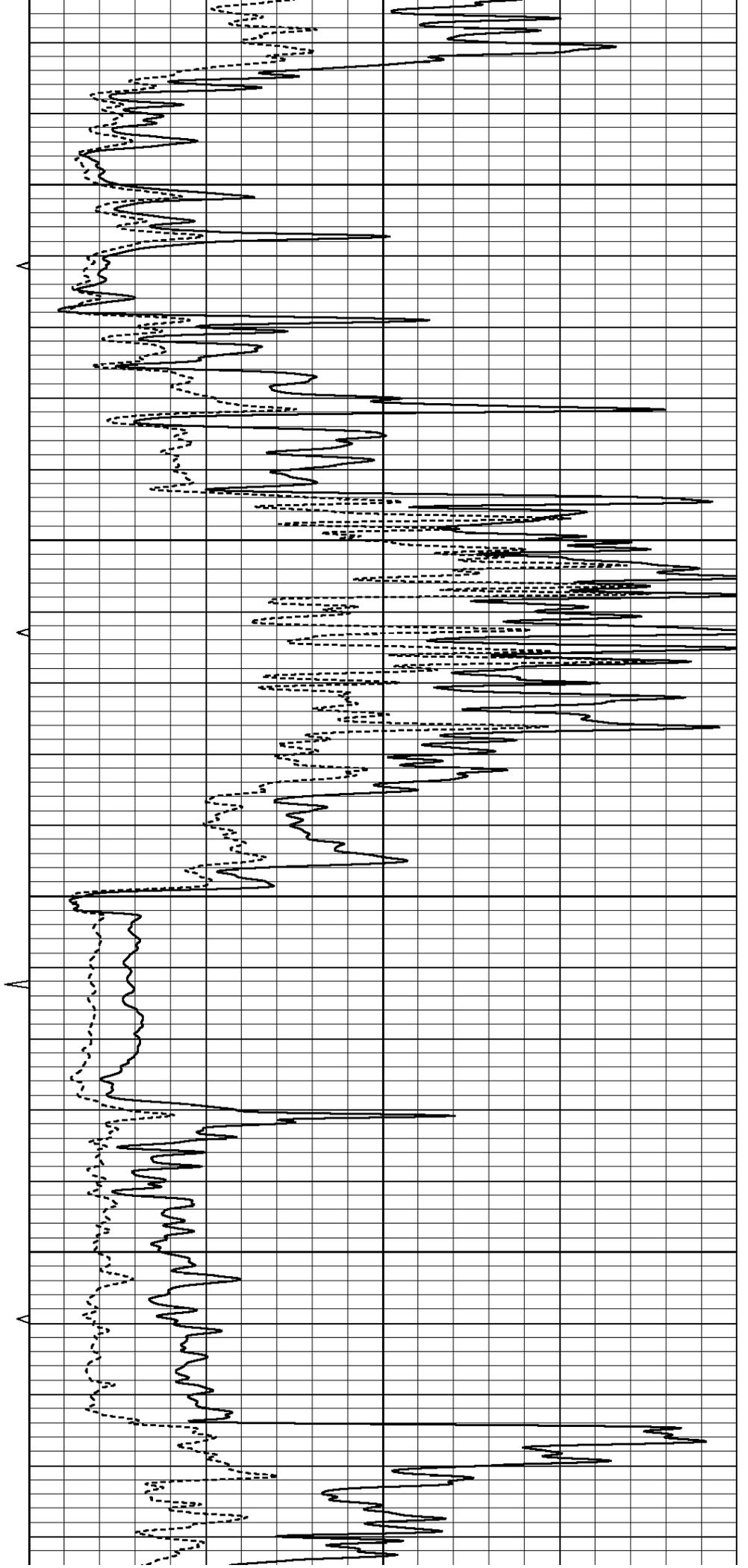


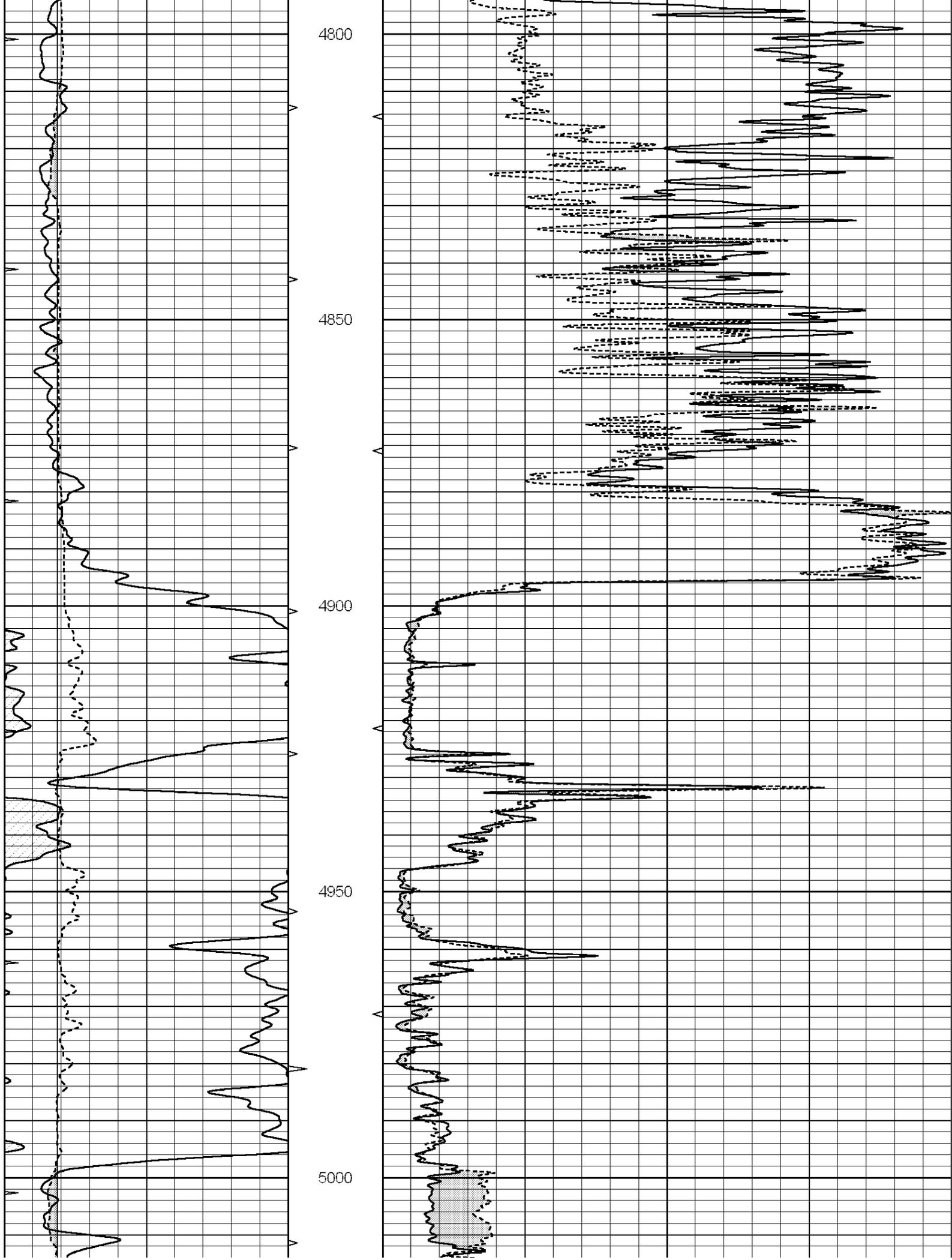
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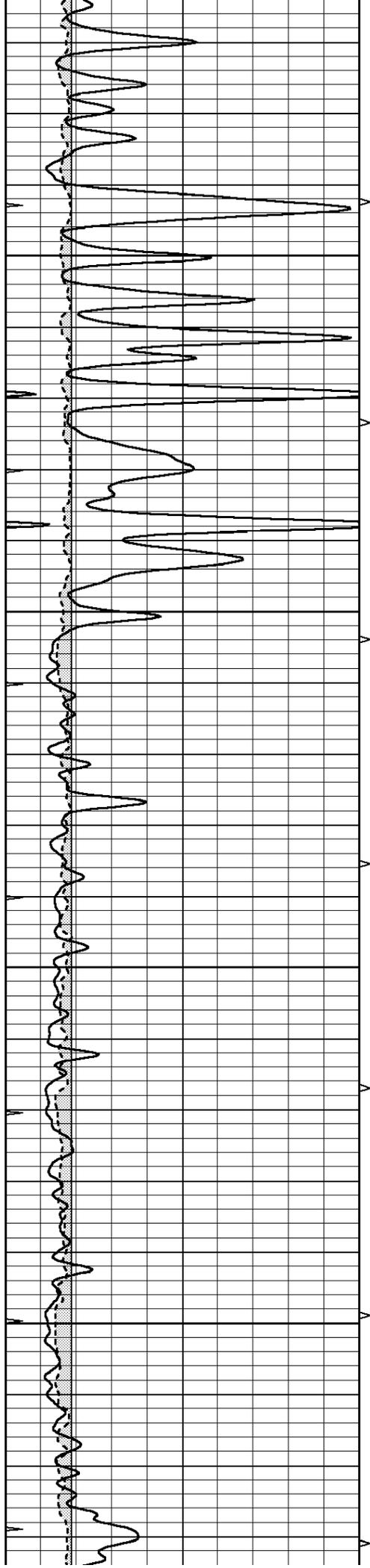
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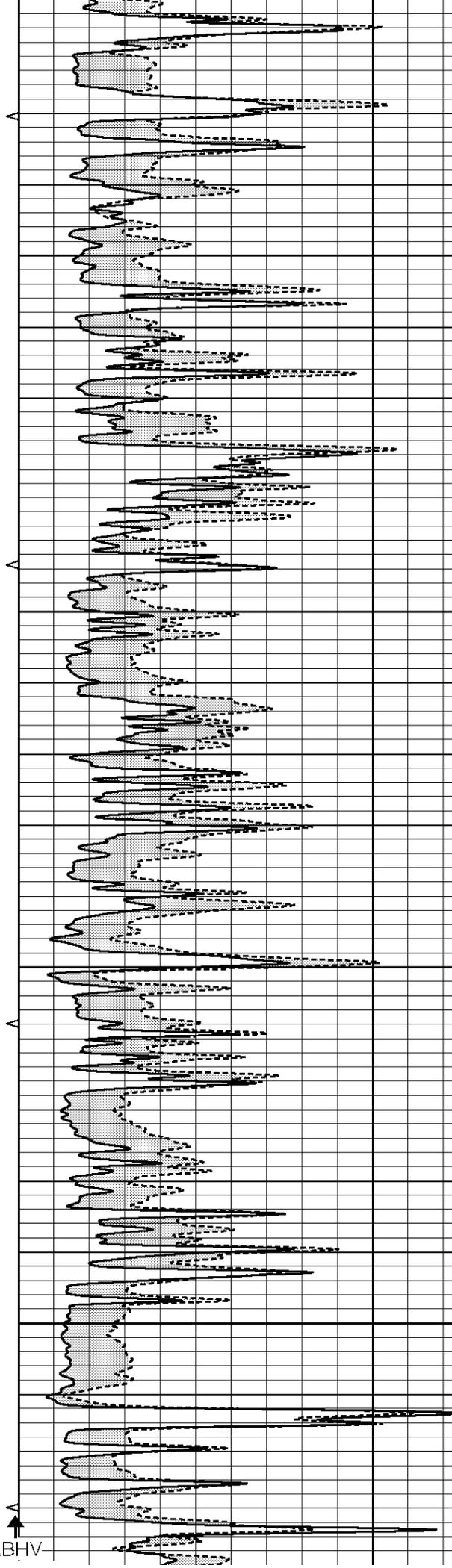
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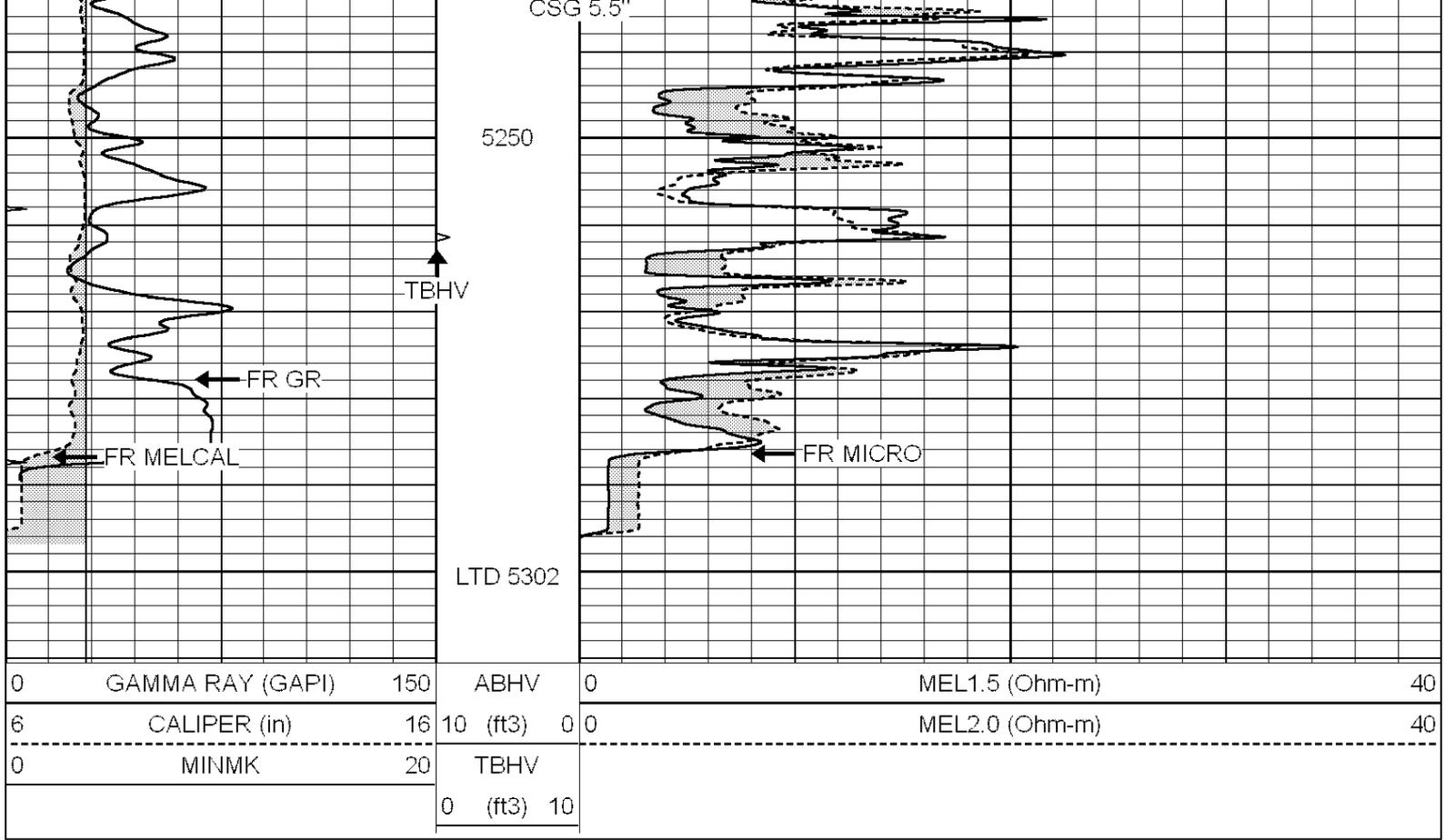
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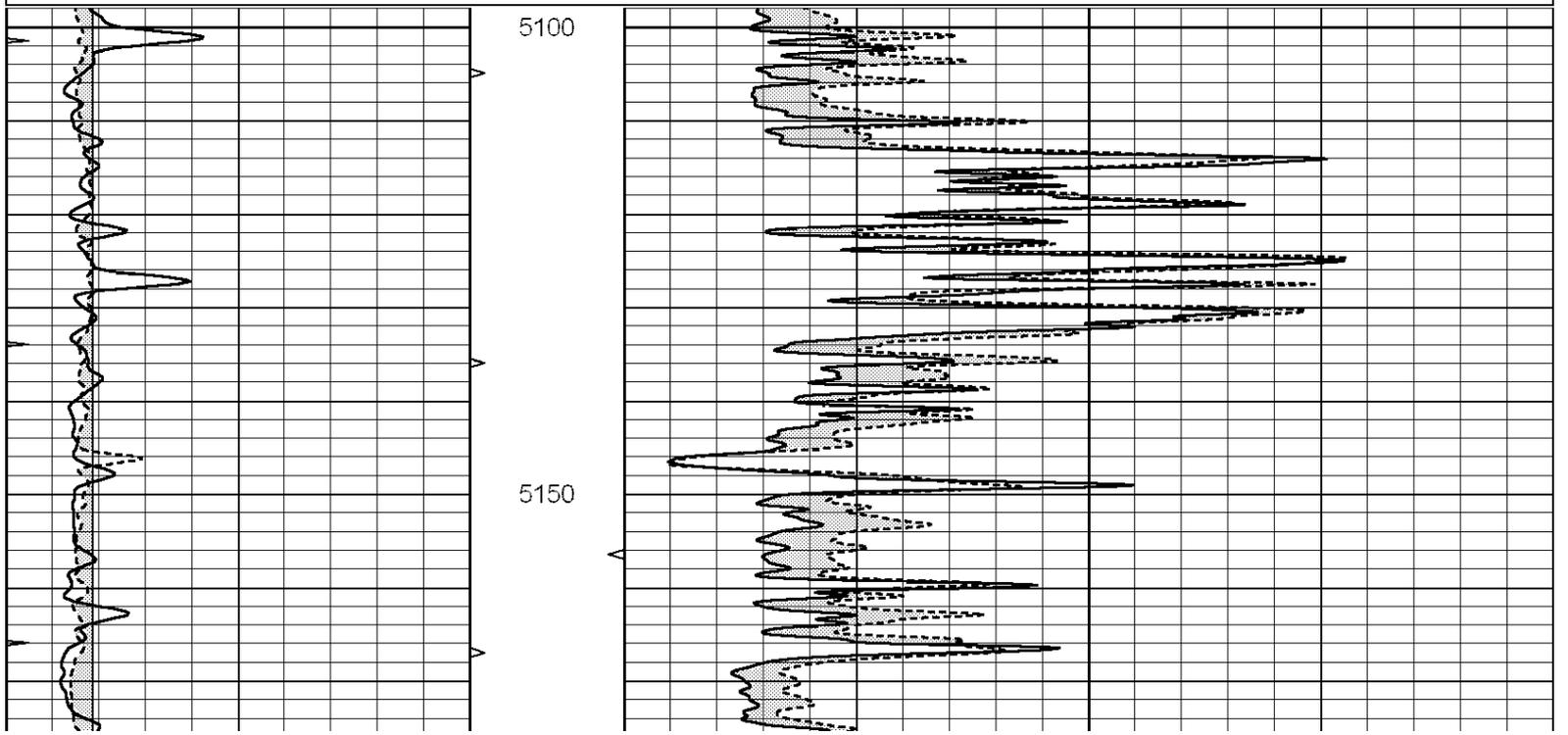
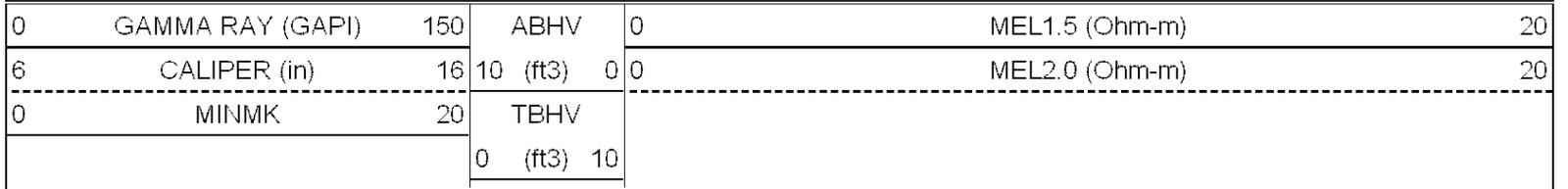
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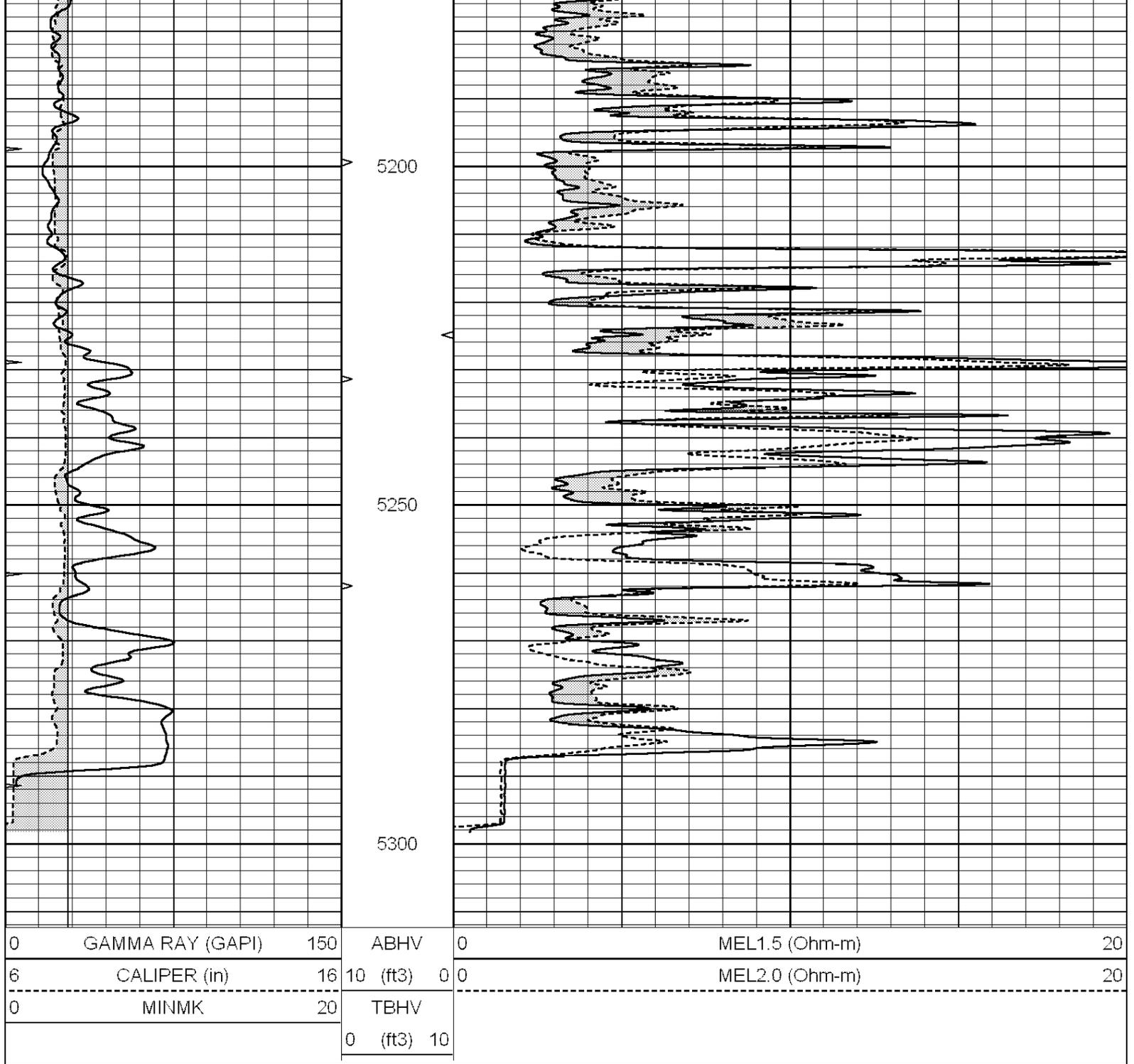
ABHV





Database File: 26347pe.db
 Dataset Pathname: pass5.1
 Presentation Format: _micro
 Dataset Creation: Sun Feb 08 13:09:00 2015 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: 26347pe.db
 Dataset Pathname: pass6.5
 Dataset Creation: Sun Feb 08 14:30:50 2015 by Calc SOC 120430

MICRO Calibration Report

Serial Number: 070911
 Tool Model: ProbeN
 Performed: Fri Jan 30 20:37:17 2015

Caliper Calibration: Gain=3.679 Offset=3.286

References
 Readings

Low Cal	High Cal
7.700	18.000
1.200	4.000

1.5" Calibration: Gain=22.000 Offset=0.000

1.5" Calibration:	Gain=22.000	Offset=0.000
References	Low Cal 0.000	High Cal 20.000
Readings	0.001	1.240

2" Calibration:	Gain=50.000	Offset=-0.400
References	Low Cal 0.000	High Cal 20.000
Readings	0.001	1.076

Gamma Ray Calibration Report

Serial Number:	110959	
Tool Model:	OPEN_GR	
Performed:	Fri Jan 30 20:46:14 2015	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2000	GAPI/cps