



MICRO LOG

Company ROYAL ENERGY, INC.
Well PRAEGER #4R
Field PRAEGER
County STAFFORD
State KANSAS

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Well PRAEGER #4R
Field PRAEGER
County STAFFORD State KANSAS

Location: API # : 15-185-24008-00-00
2310' FSL & 1320' FEL
SEC 36 TWP 24S RGE 15W
Permanent Datum GROUND LEVEL Elevation 2006
Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services CDL/CNL/DIL SONIC
Elevation K.B. 2018 D.F. 2014 G.L. 2006

Date	01/26/18		
Run Number	TWO		
Depth Driller	4575		
Depth Logger	4580		
Bottom Logged Interval	4560		
Top Log Interval	2000		
Casing Driller	8 5/8" @ 353		
Casing Logger	353		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 12300 PPM	
Density / Viscosity	9.0/44		
pH / Fluid Loss	10.0/12.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.50@56		
Rmt @ Meas. Temp	.38@56		
Rmc @ Meas. Temp	.60@56		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	23@121		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	///		
Maximum Recorded Temperature	121F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	ELI FELTS		

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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

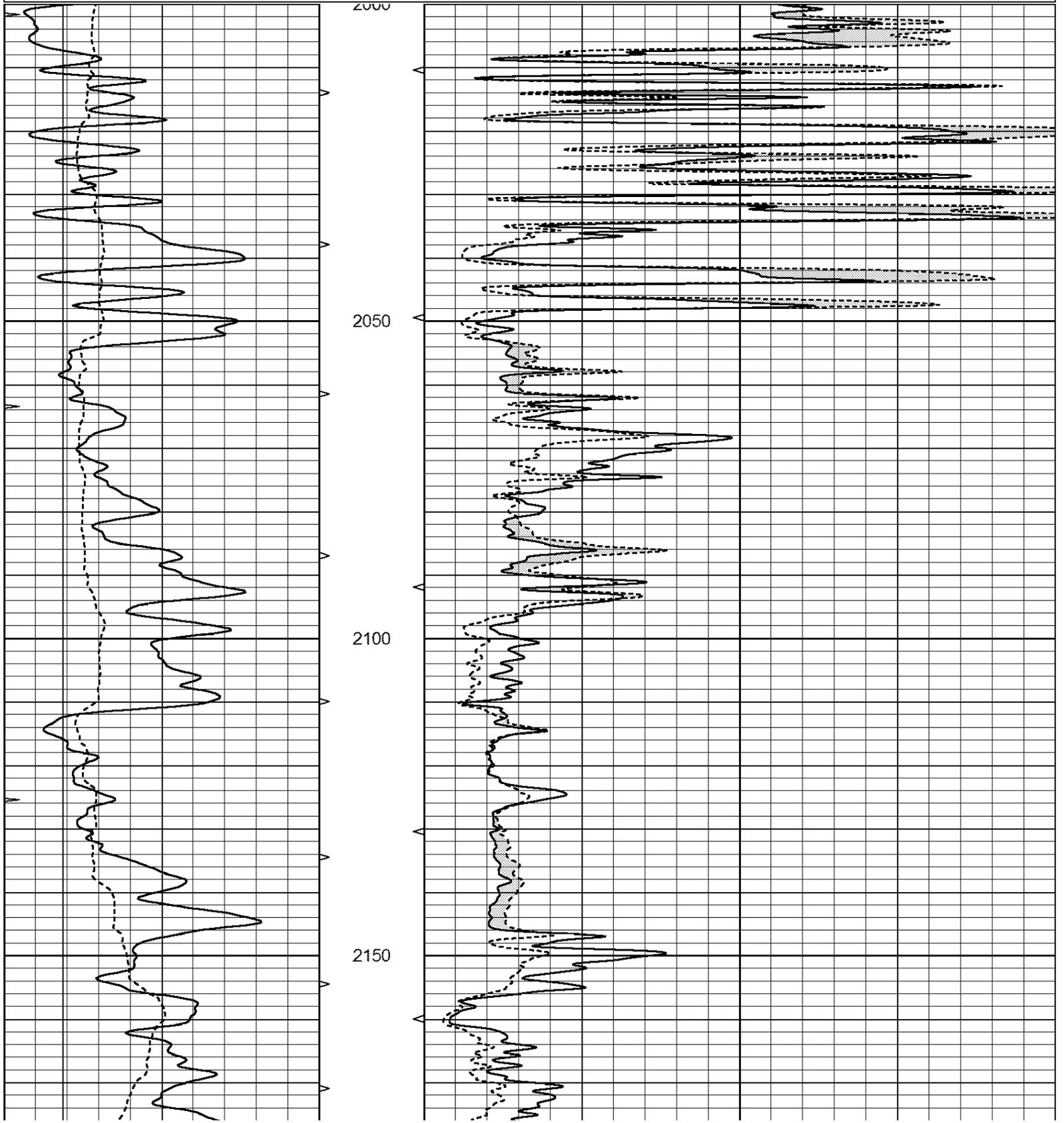
DIRECTIONS
EAST OF MACKSVILLE 3 MILES,
SOUTH 2 3/4 MILES, WEST INTO.

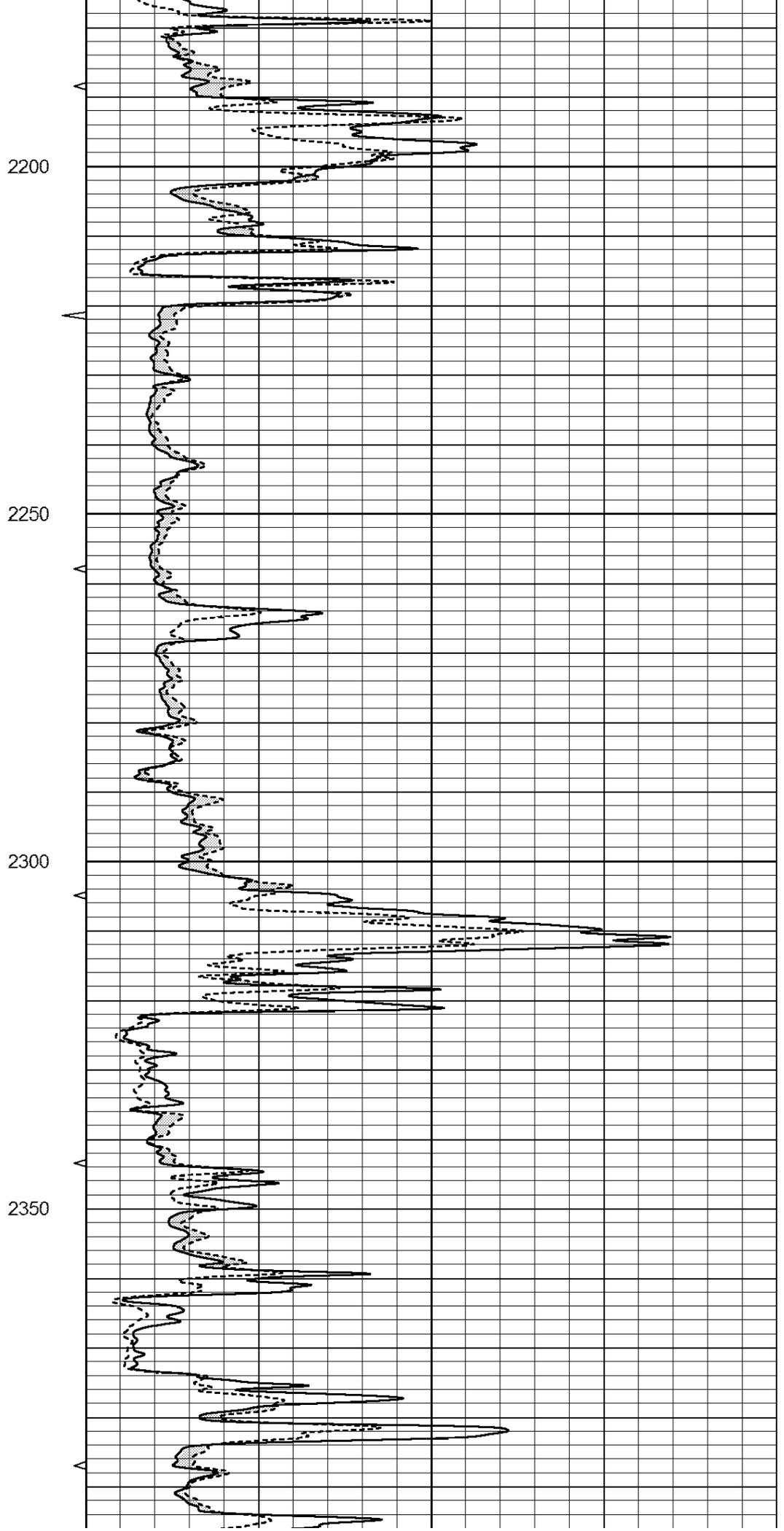
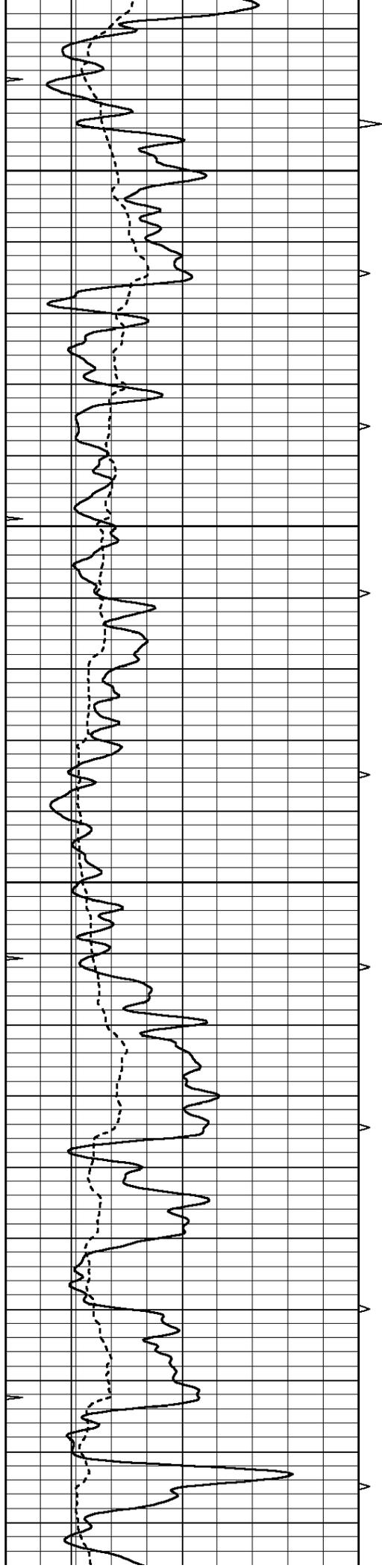


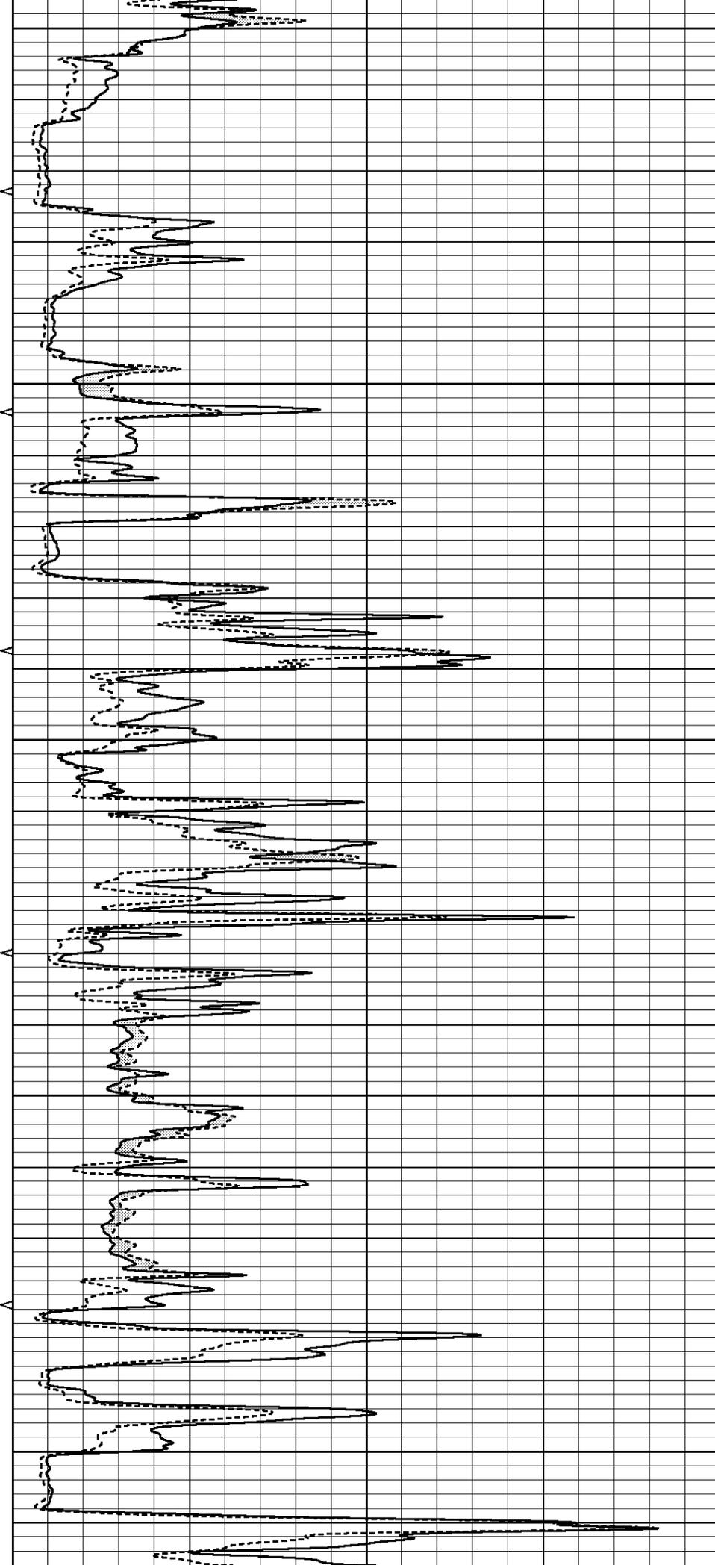
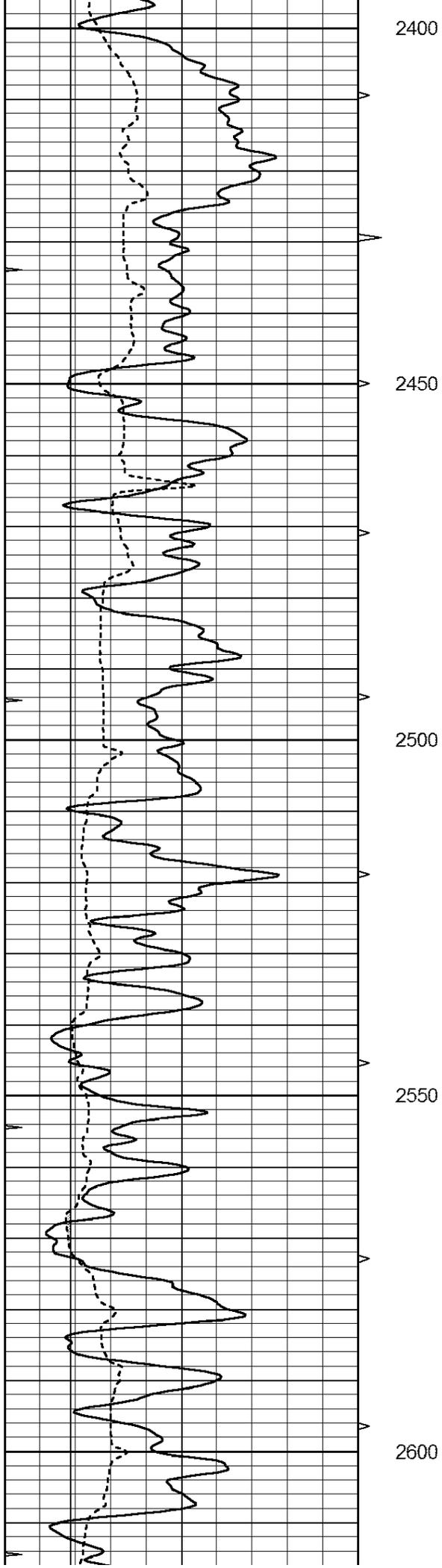
MAIN PASS

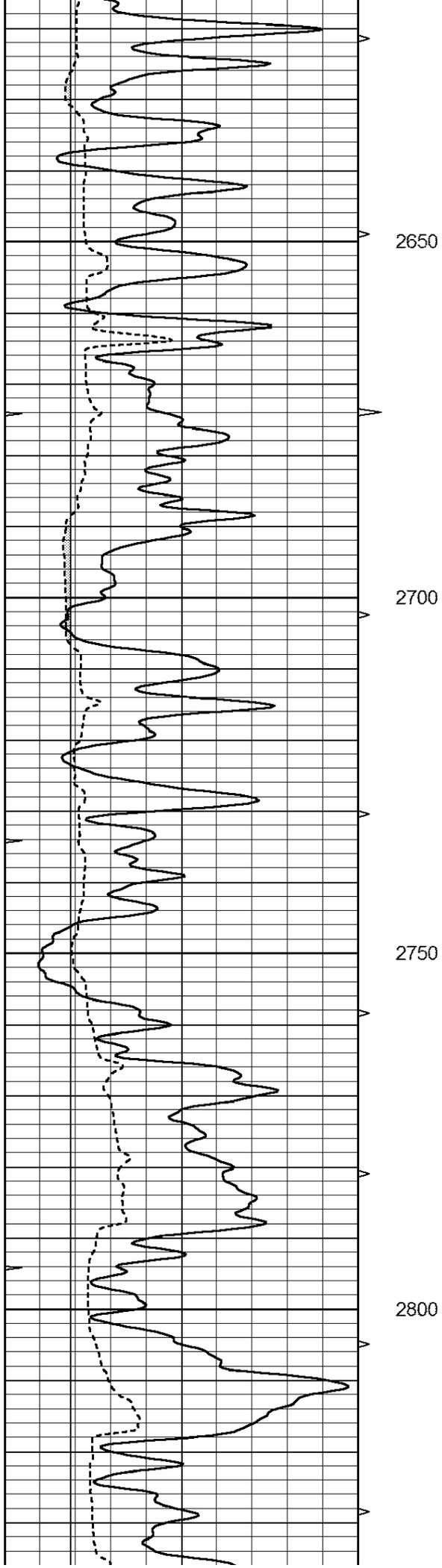
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 Presentation Format: _micro
 Dataset Creation: Fri Jan 26 12:19:39 2018 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

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







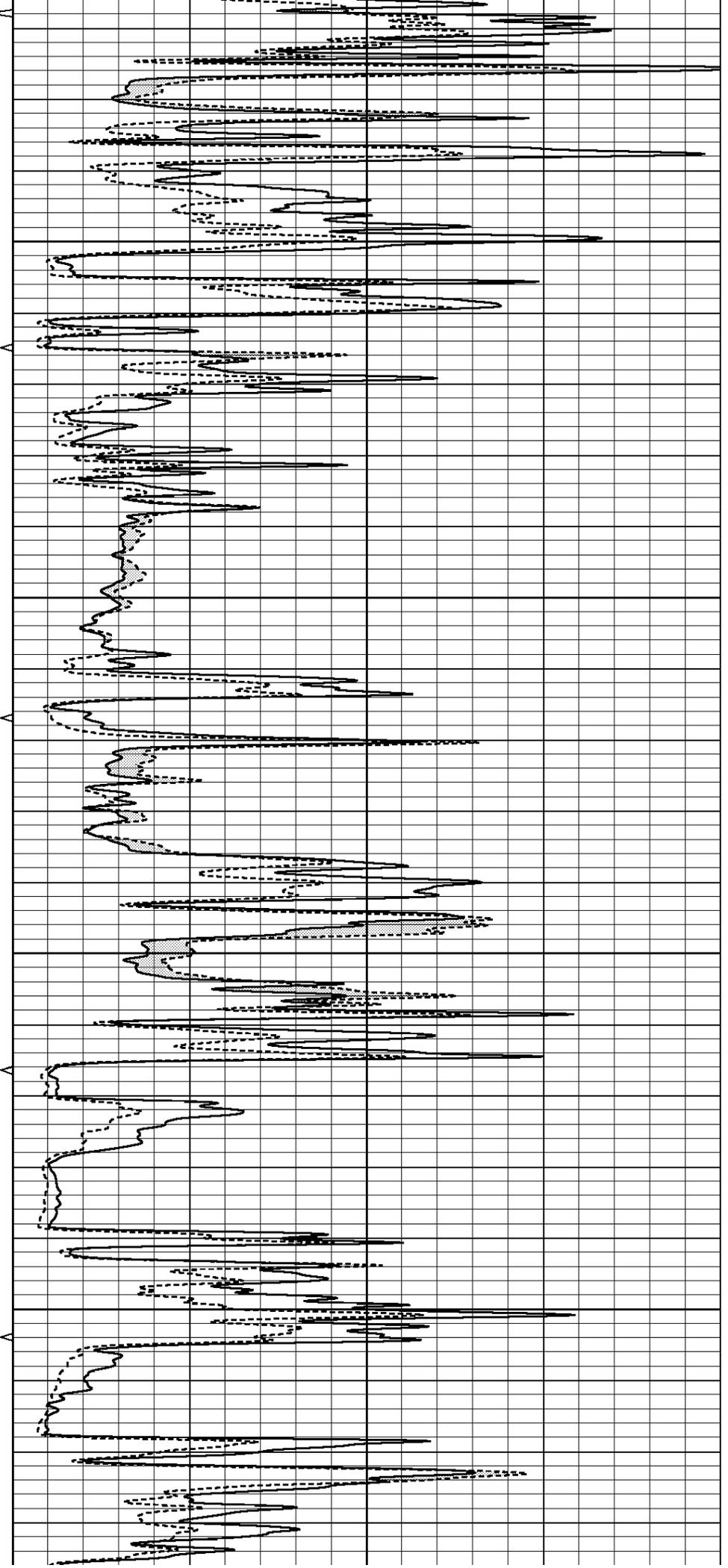


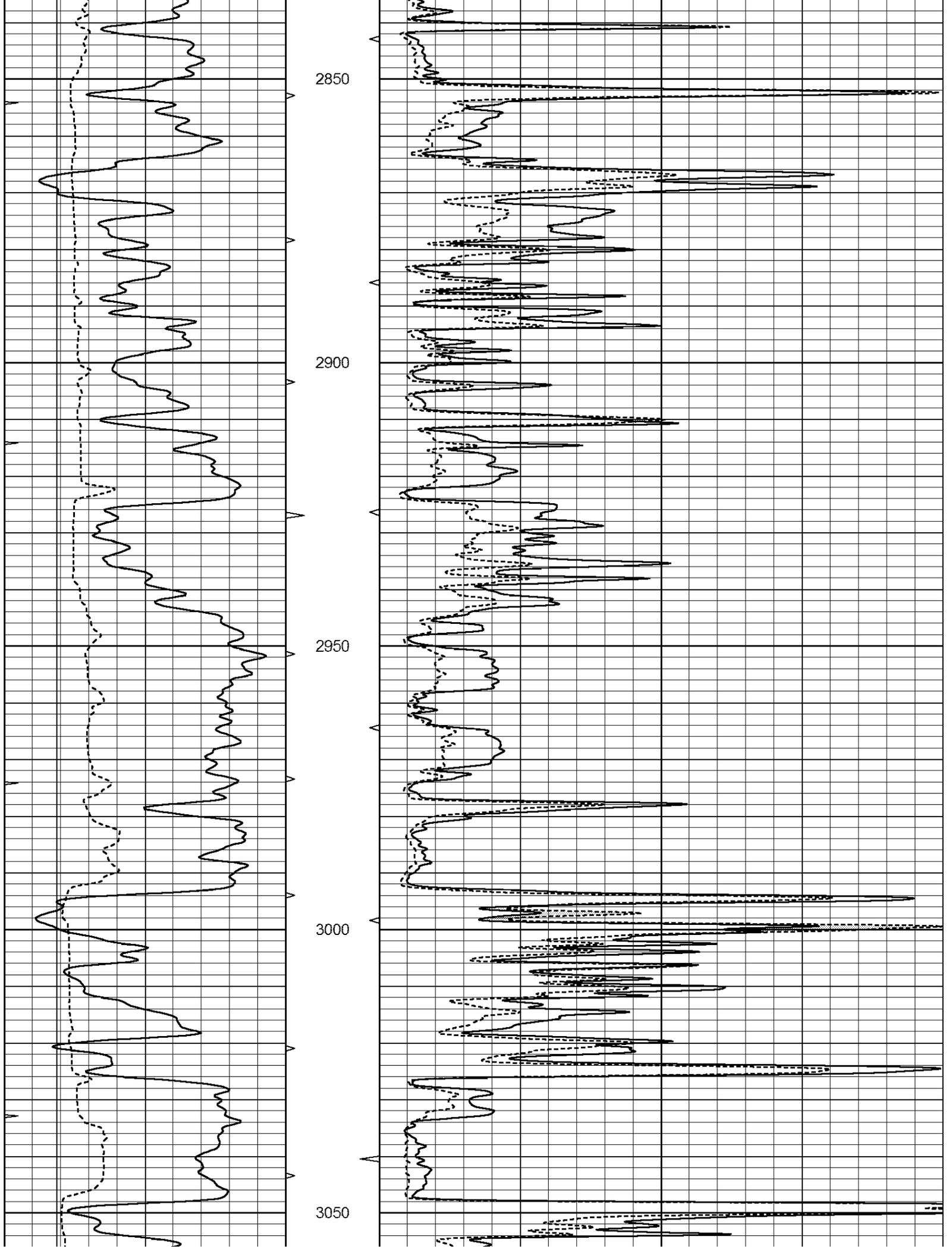
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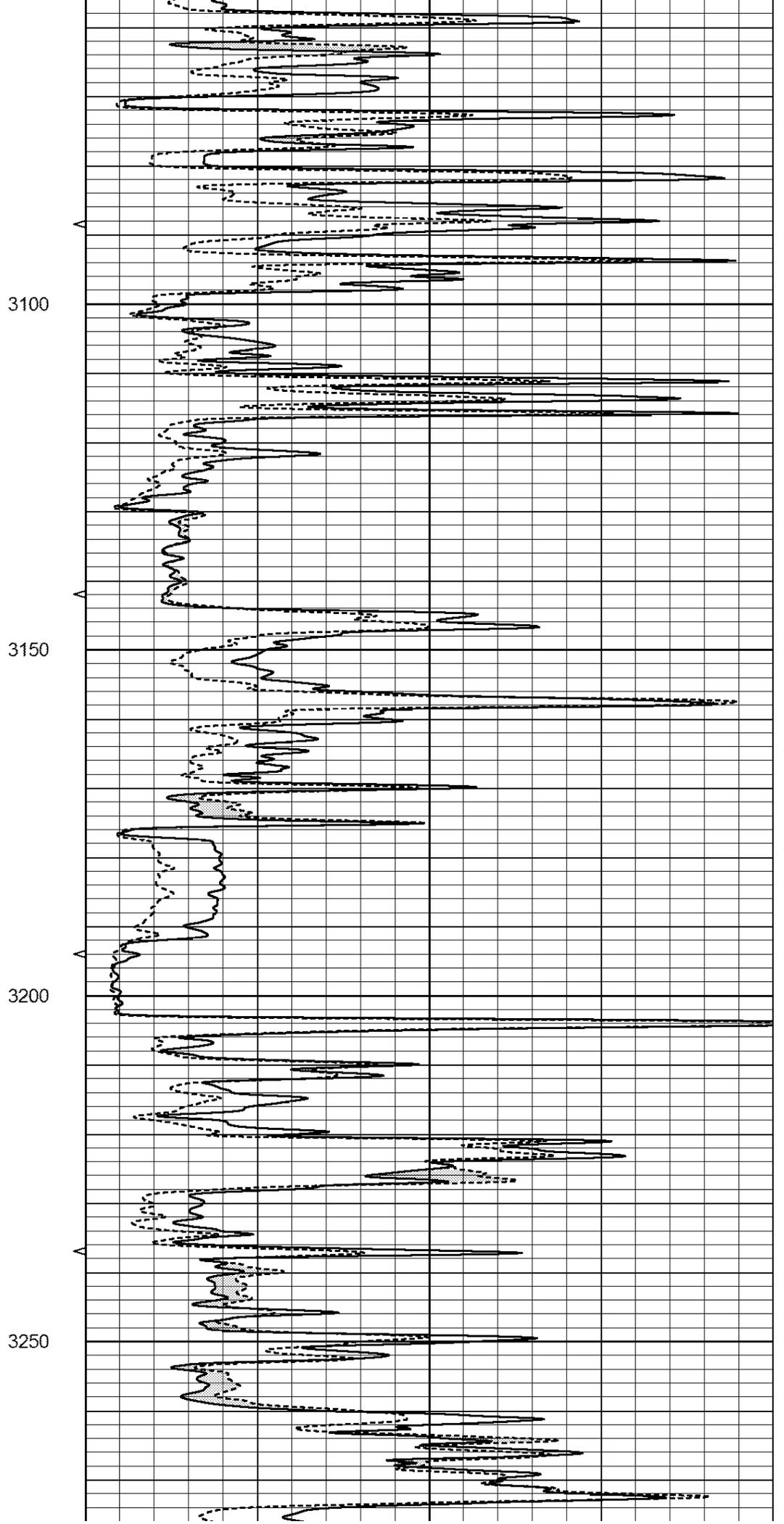
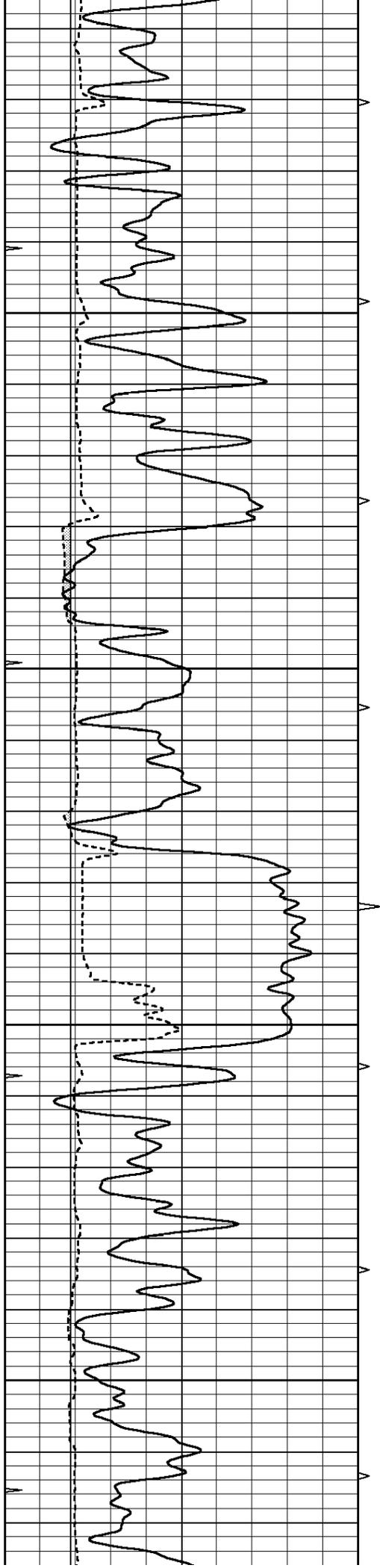
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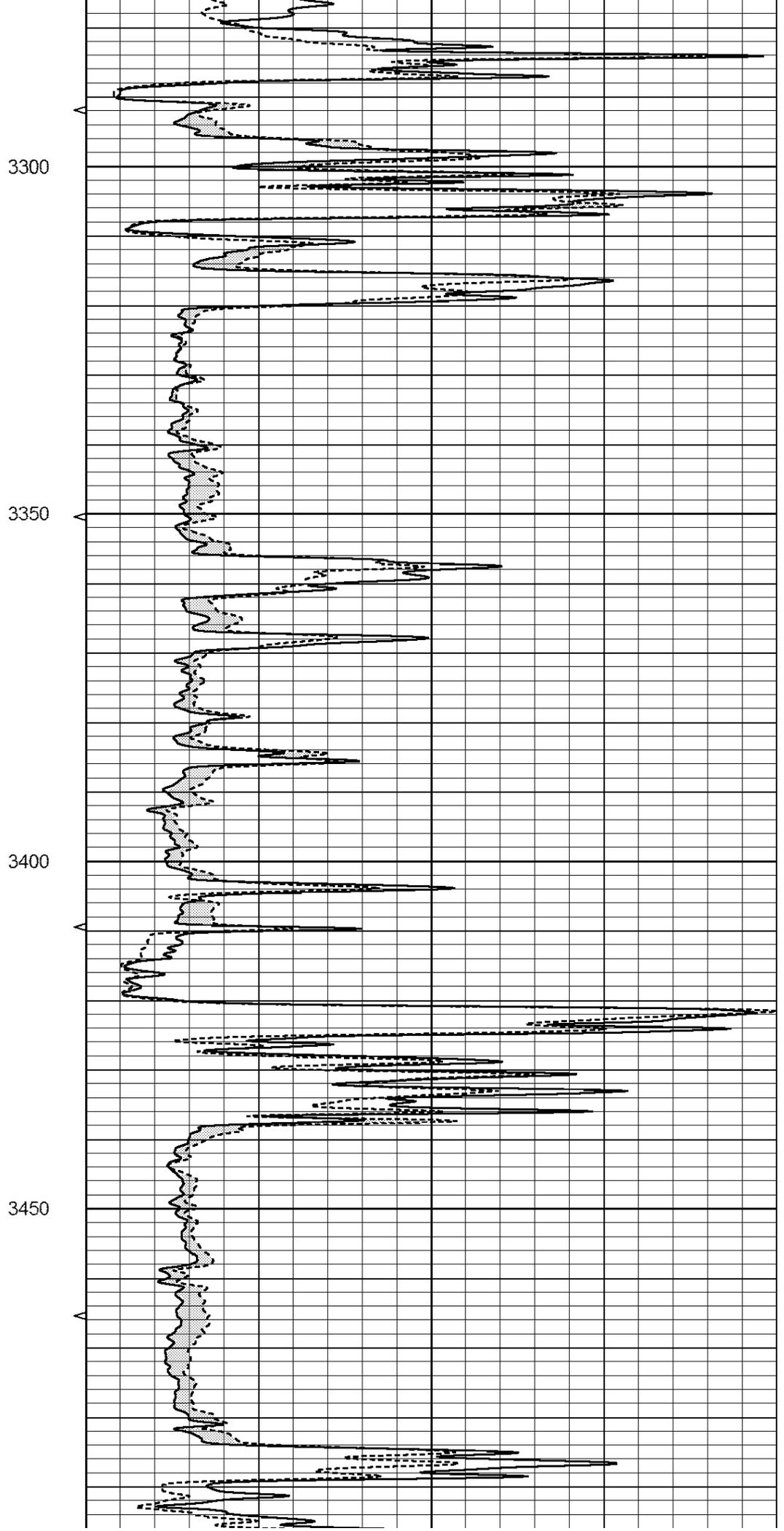
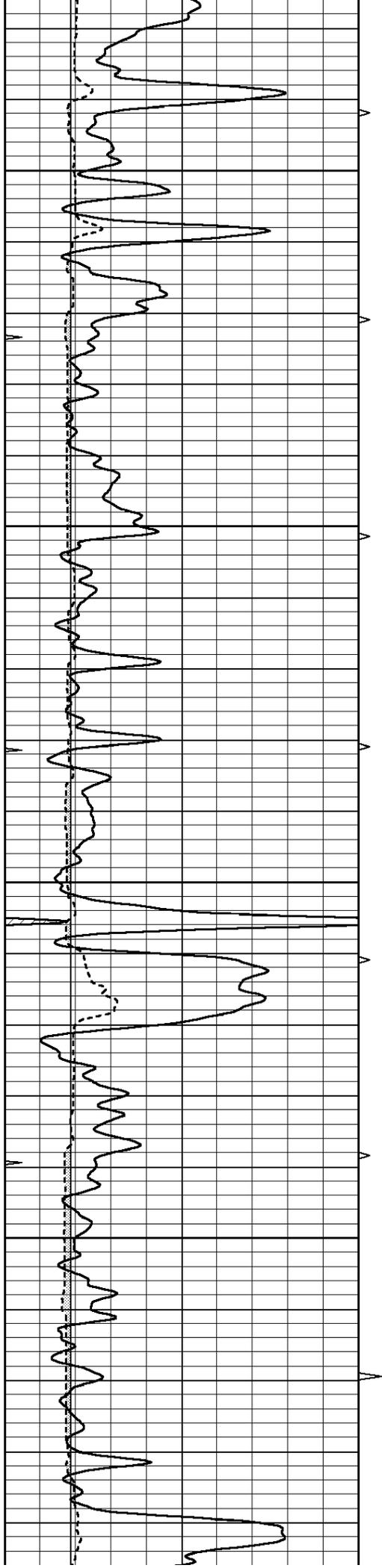
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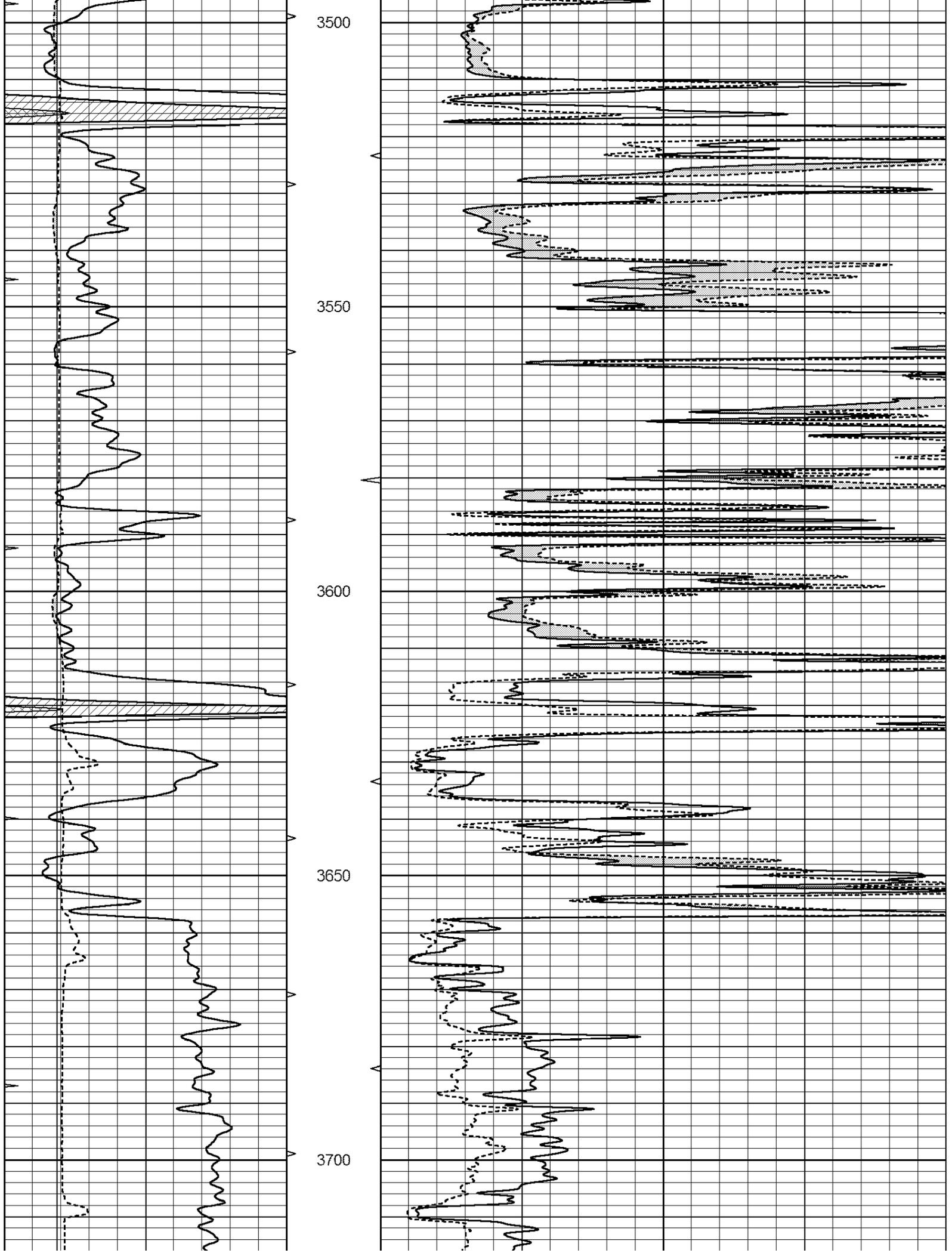
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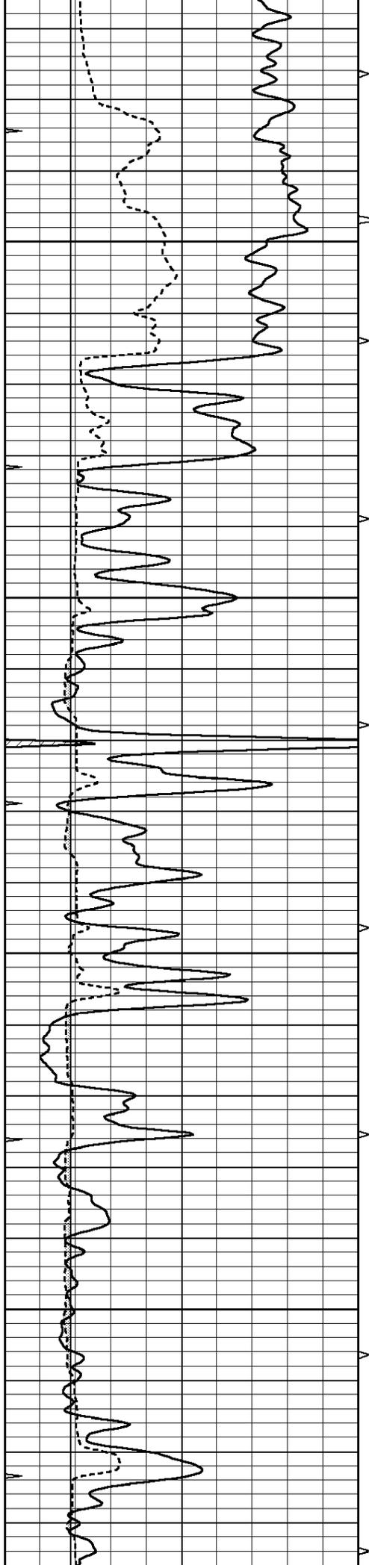










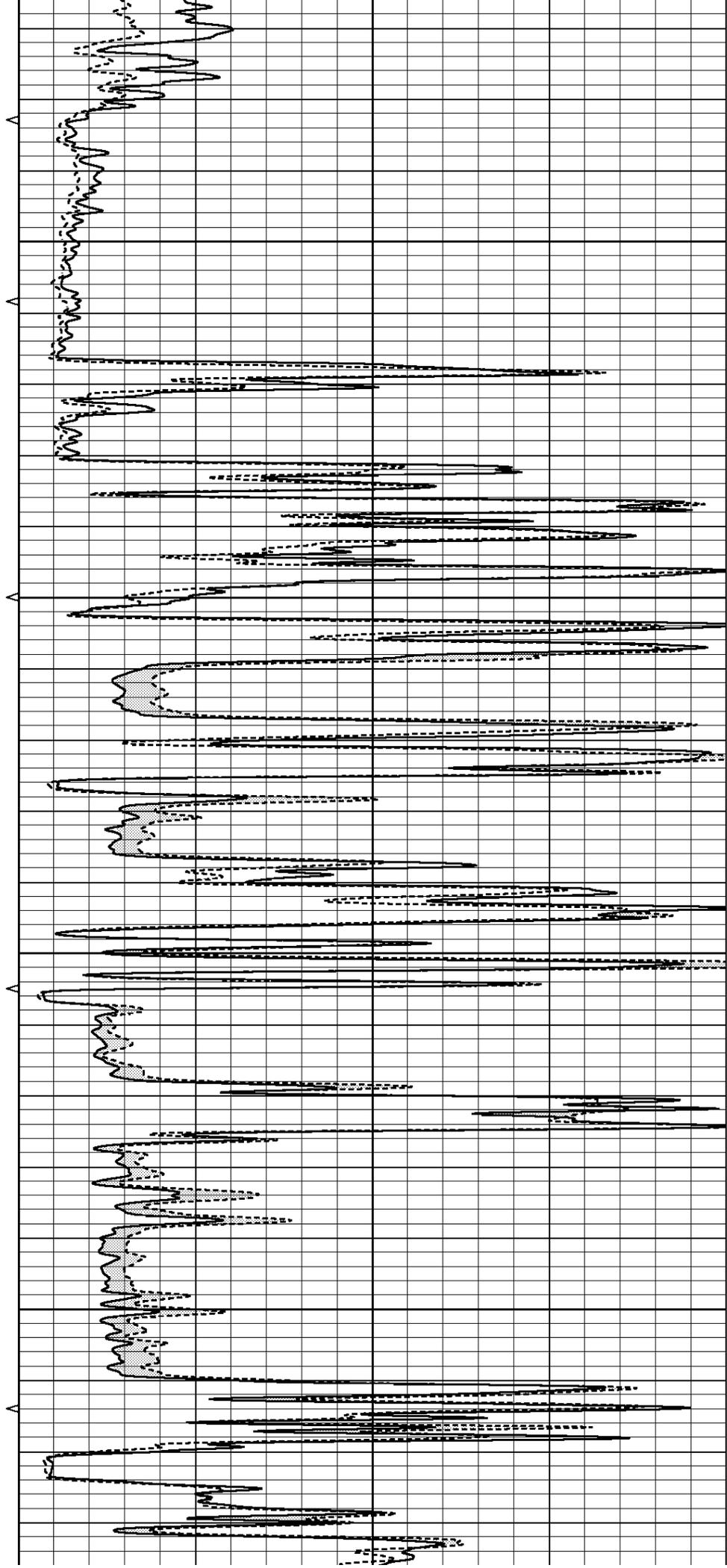


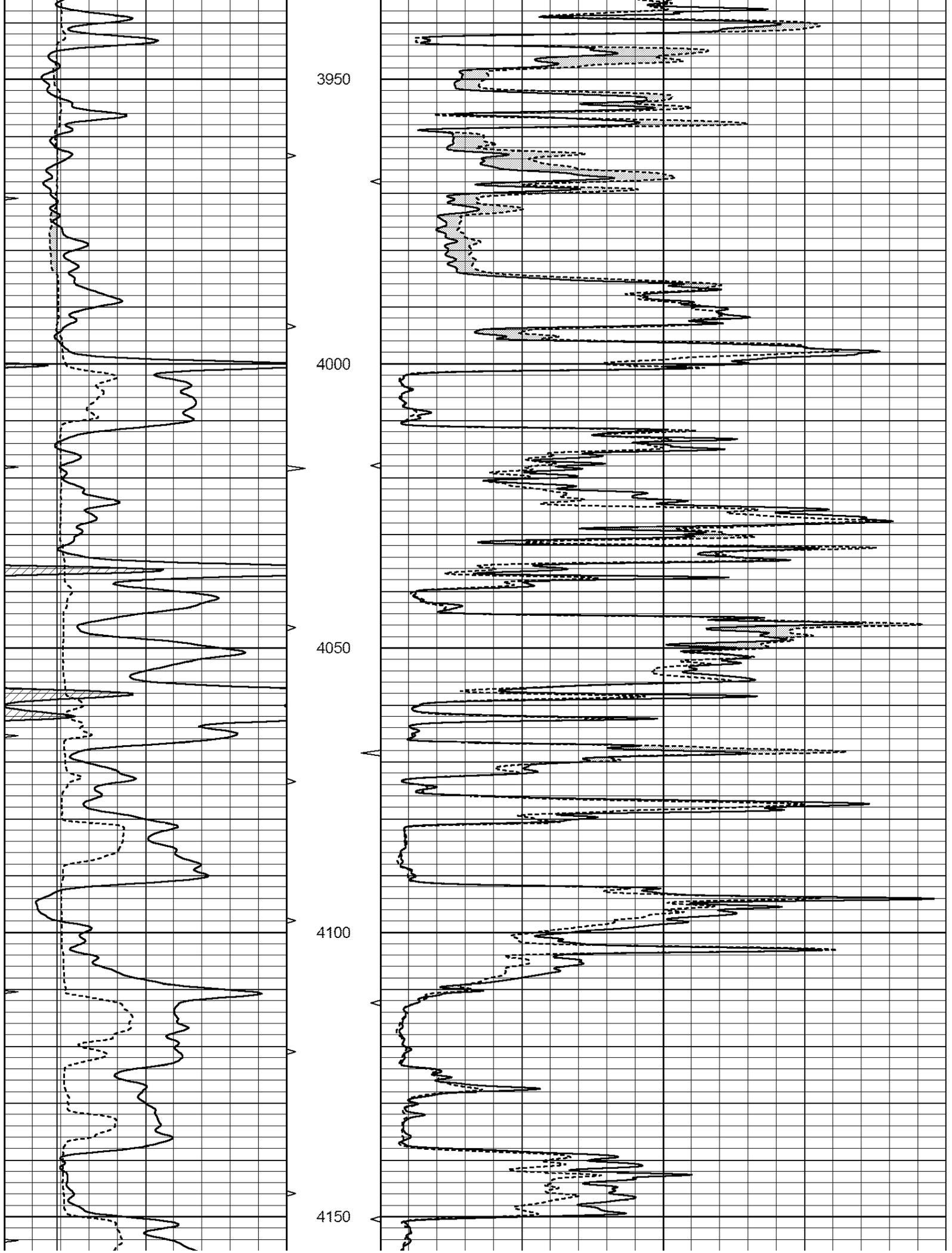
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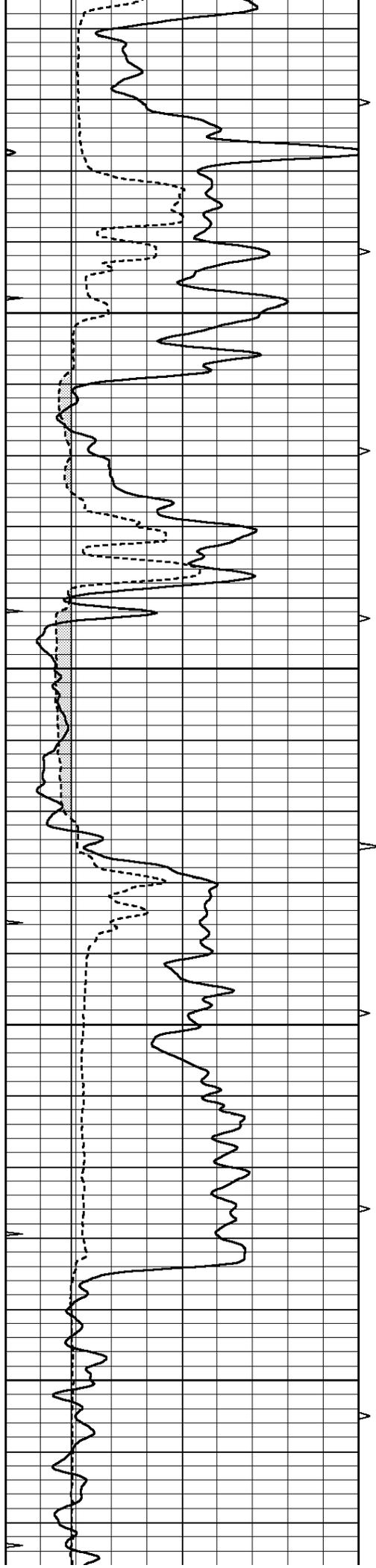
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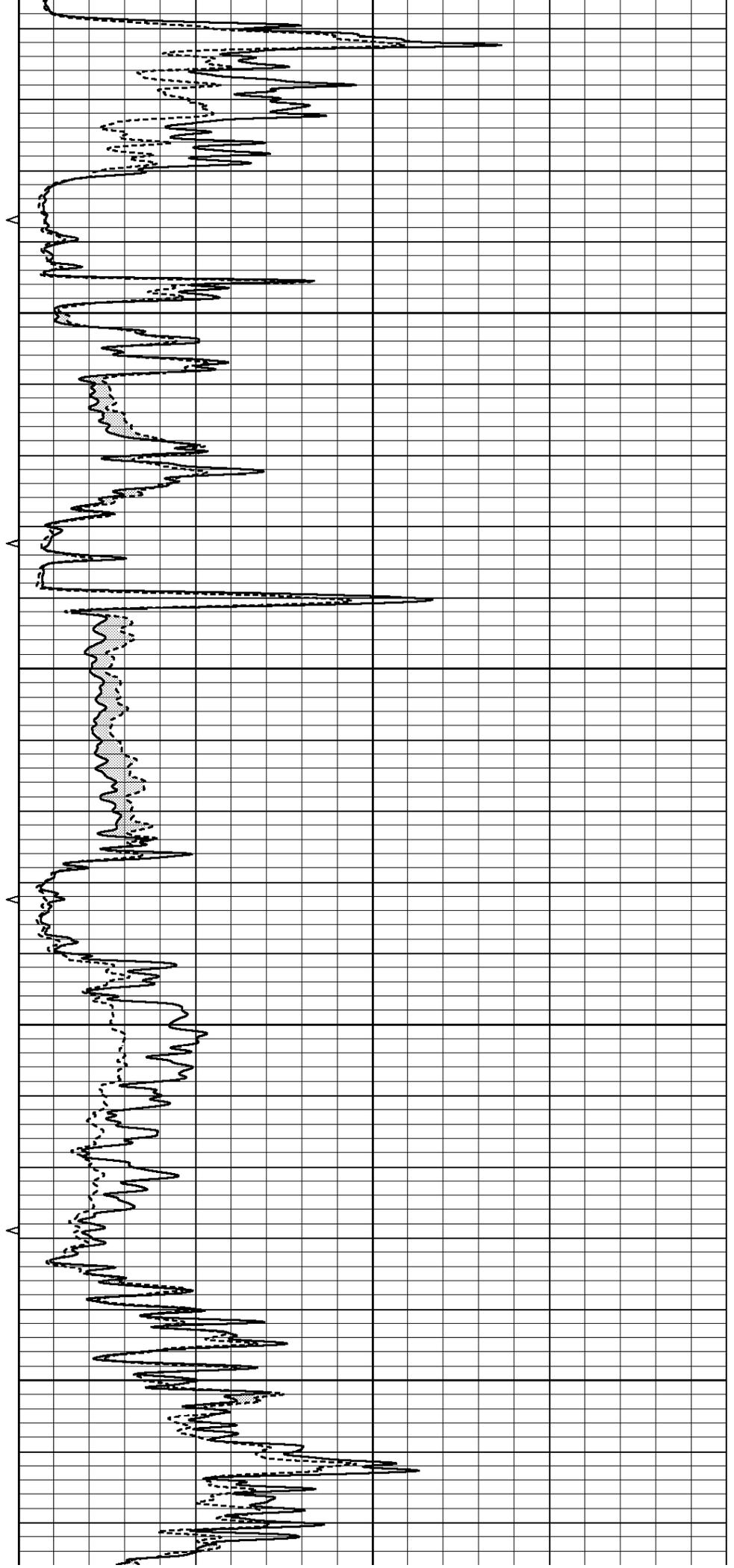


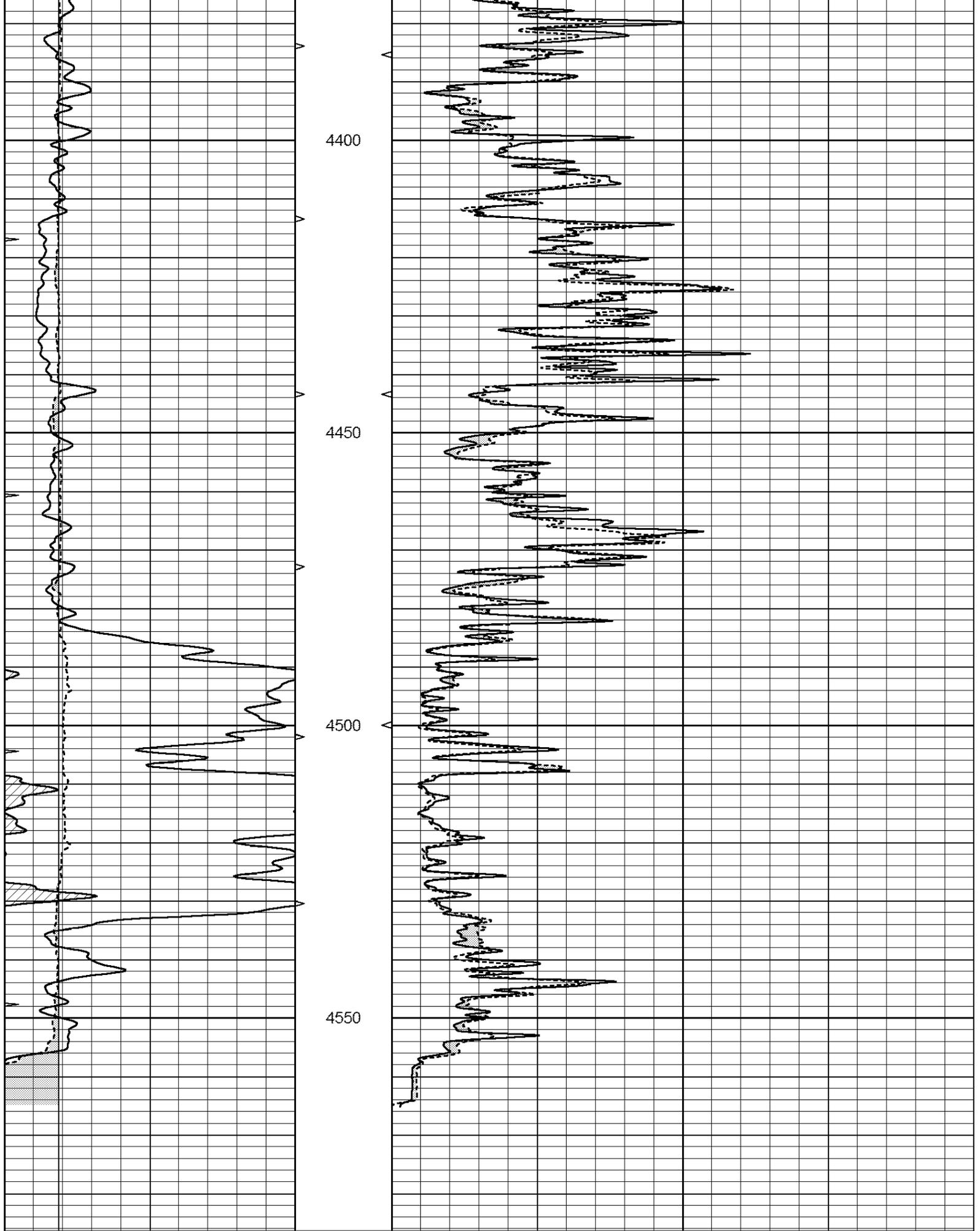
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4350





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

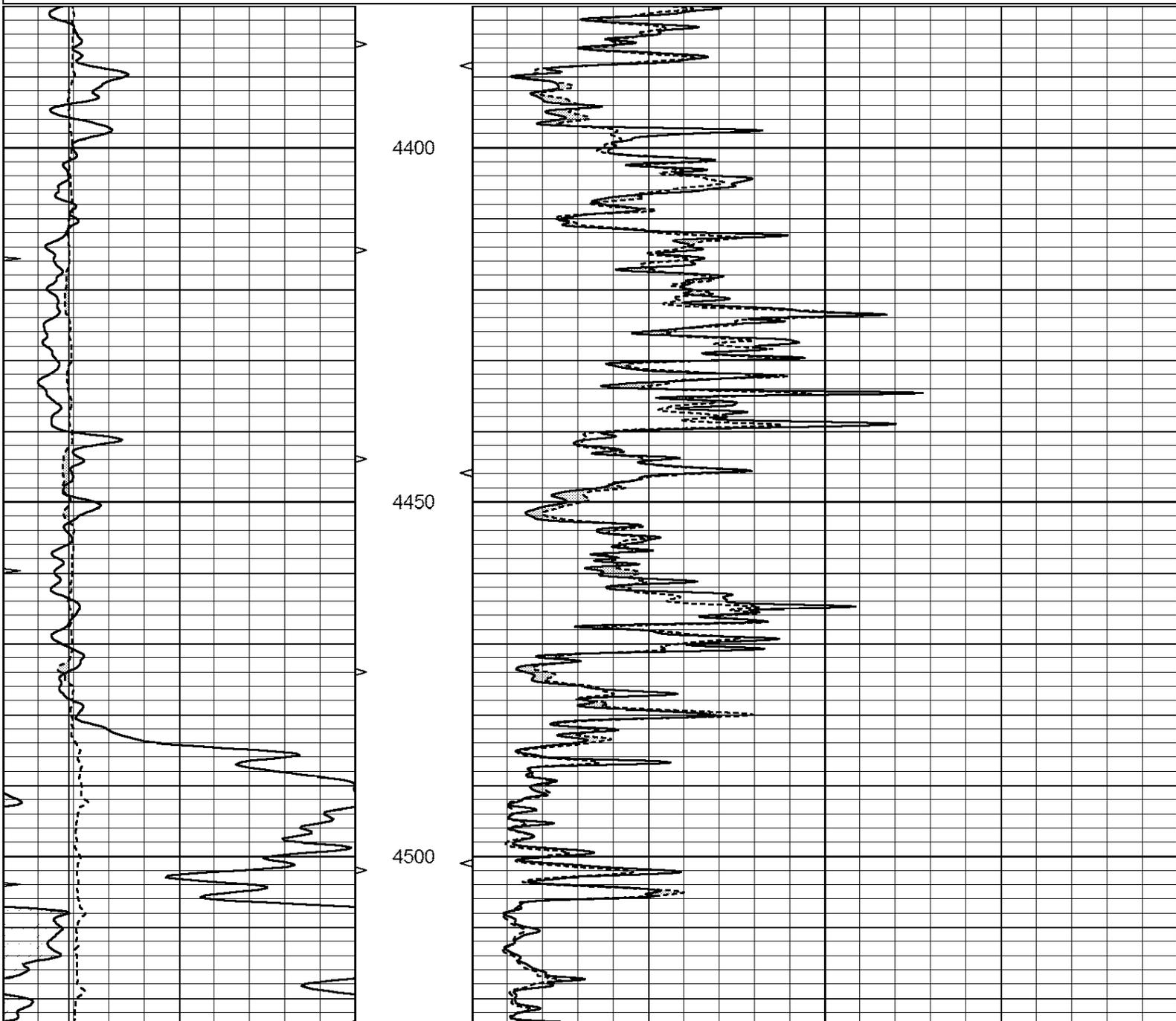
0	MINMK	20	TBHV
		0	(ft3) 10

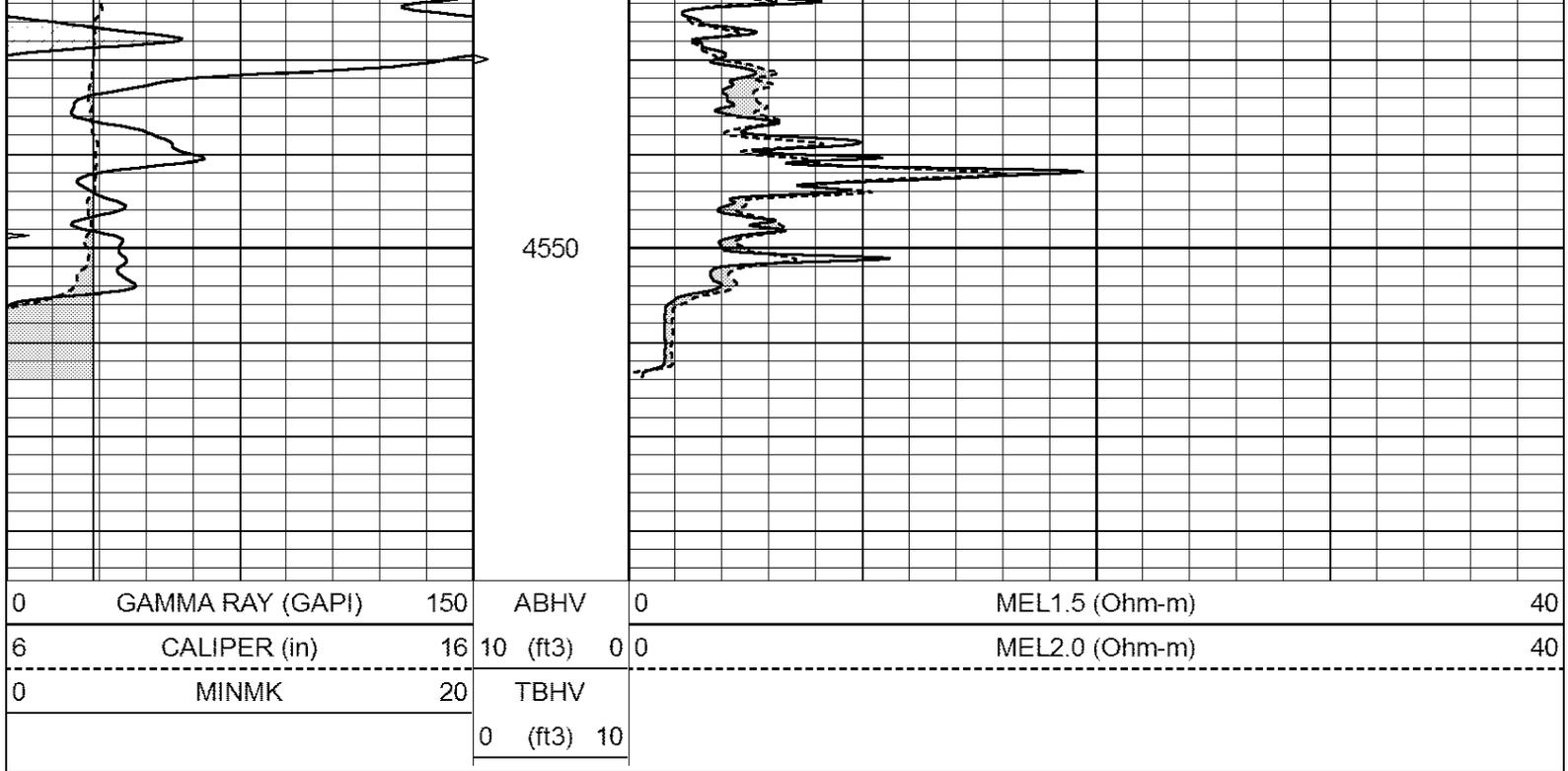


REPEAT SECTION

Database File: 2403ddn.db
 Dataset Pathname: pass4RP
 Presentation Format: _micro
 Dataset Creation: Fri Jan 26 12:11:50 2018 by Calc Open-Cased 090629
 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	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report

Database File: 2403ddn.db
 Dataset Pathname: pass4RP
 Dataset Creation: Fri Jan 26 12:11:50 2018 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO6
 Tool Model: PROBE
 Performed: Wed Aug 16 17:13:39 2017

Caliper Calibration: Gain=3.960 Offset=4.101
 References Low Cal 7.000 High Cal 14.000
 Readings 0.555 2.323

1.5" Calibration: Gain=36.075 Offset=0.600
 References Low Cal 0.000 High Cal 20.000
 Readings 0.004 1.196

2" Calibration: Gain=45.000 Offset=0.000
 References Low Cal 0.000 High Cal 20.000
 Readings 0.006 0.913

Gamma Ray Calibration Report

Serial Number: GR2
 Tool Model: OPEN
 Performed: Wed Aug 16 17:13:40 2017

Calibrator Value: 1.0 GAPI
 Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps
 Sensitivity: 0.3800 GAPI/cps

