



**MICRO
LOG**

Company RAYMOND OIL COMPANY, INC.
 Well W&H UNIT #2
 Field ALAMOTA SOUTH
 County LANE
 State KANSAS

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Location: API # : 15-101-22601-00-00
 2314' FSL & 228' FWL
 SEC 9 TWP 19S RGE 27W
 Permanent Datum GROUND LEVEL Elevation 2718'
 Log Measured From KELLY BUSHING 5' A.G.L.
 Drilling Measured From KELLY BUSHING
 Other Services CDL/CNL/DIL SONIC
 Elevation K.B. 2723
 D.F. 2721
 G.L. 2718

Date	02/07/18
Run Number	TWO
Depth Driller	4770
Depth Logger	4773
Bottom Logged Interval	4753
Top Log Interval	3400
Casing Driller	8 5/8" @ 260
Casing Logger	260
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.25/50
pH / Fluid Loss	9.0/8.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	1.3@44
Rmt @ Meas. Temp	.98@44
Rmc @ Meas. Temp	1.57@44
Source of Rmf / Rmc	MEASURED
Rm @ BHT	.46@123
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	///
Maximum Recorded Temperature	123F
Equipment Number	4010
Location	HAYS, KANSAS
Recorded By	GUS PFANENSTIEL
Witnessed By	KIM SHOEMAKER

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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

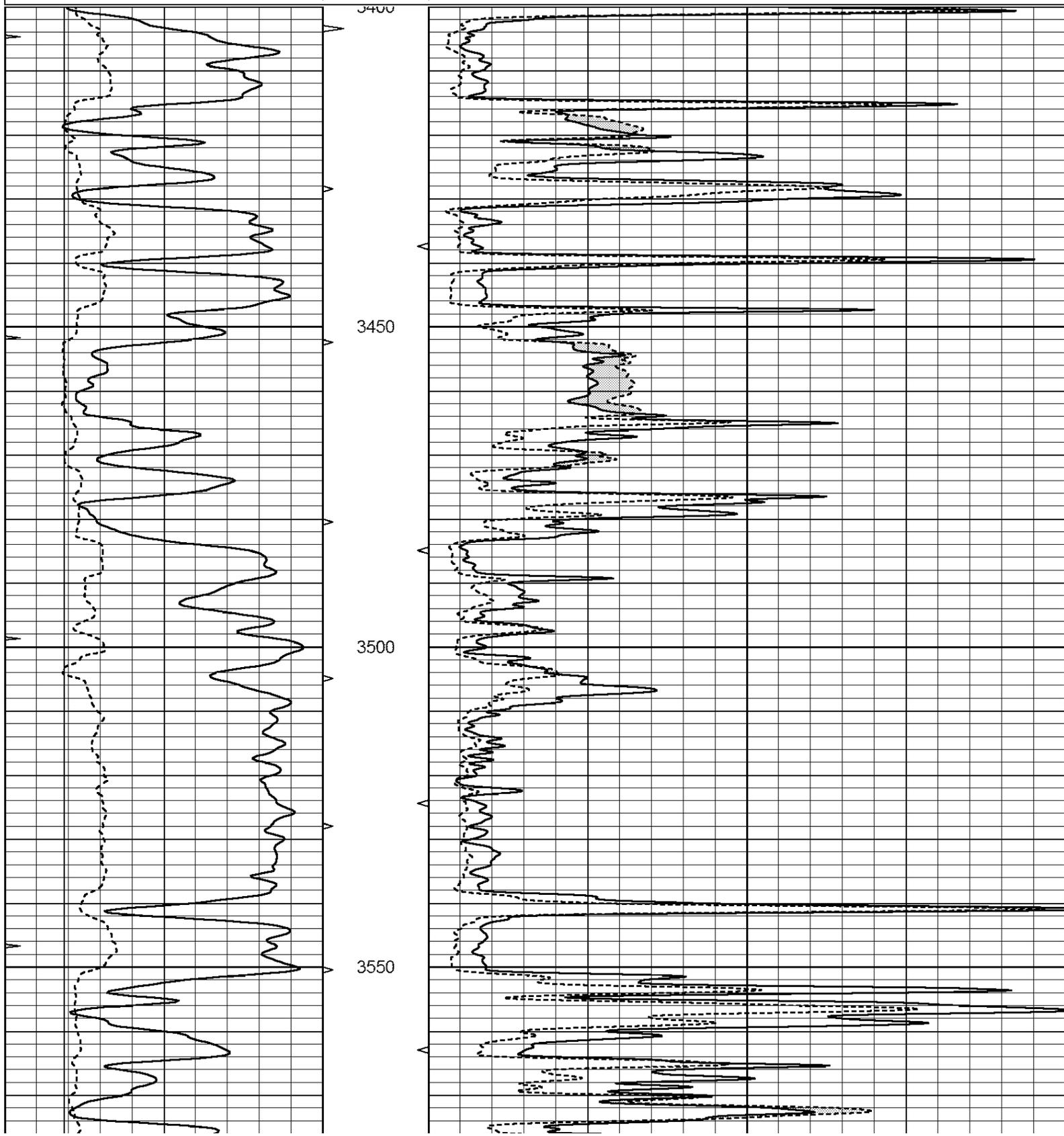
DIRECTIONS
 WEST OF NESS CITY TO TURKEY RED RD,
 SOUTH 4 MILES, WEST 3/4 MILE
 SOUTH INTO.

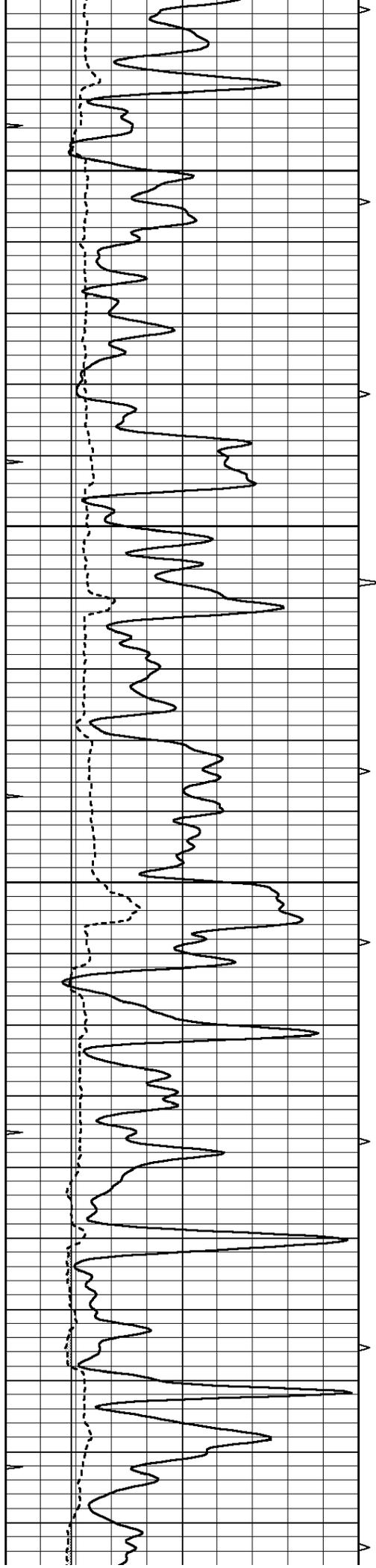


MAIN PASS

Database File: 2405ddn.db
 Dataset Pathname: pass5
 Presentation Format: _micro
 Dataset Creation: Wed Feb 07 07:00:48 2018 by Log 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		



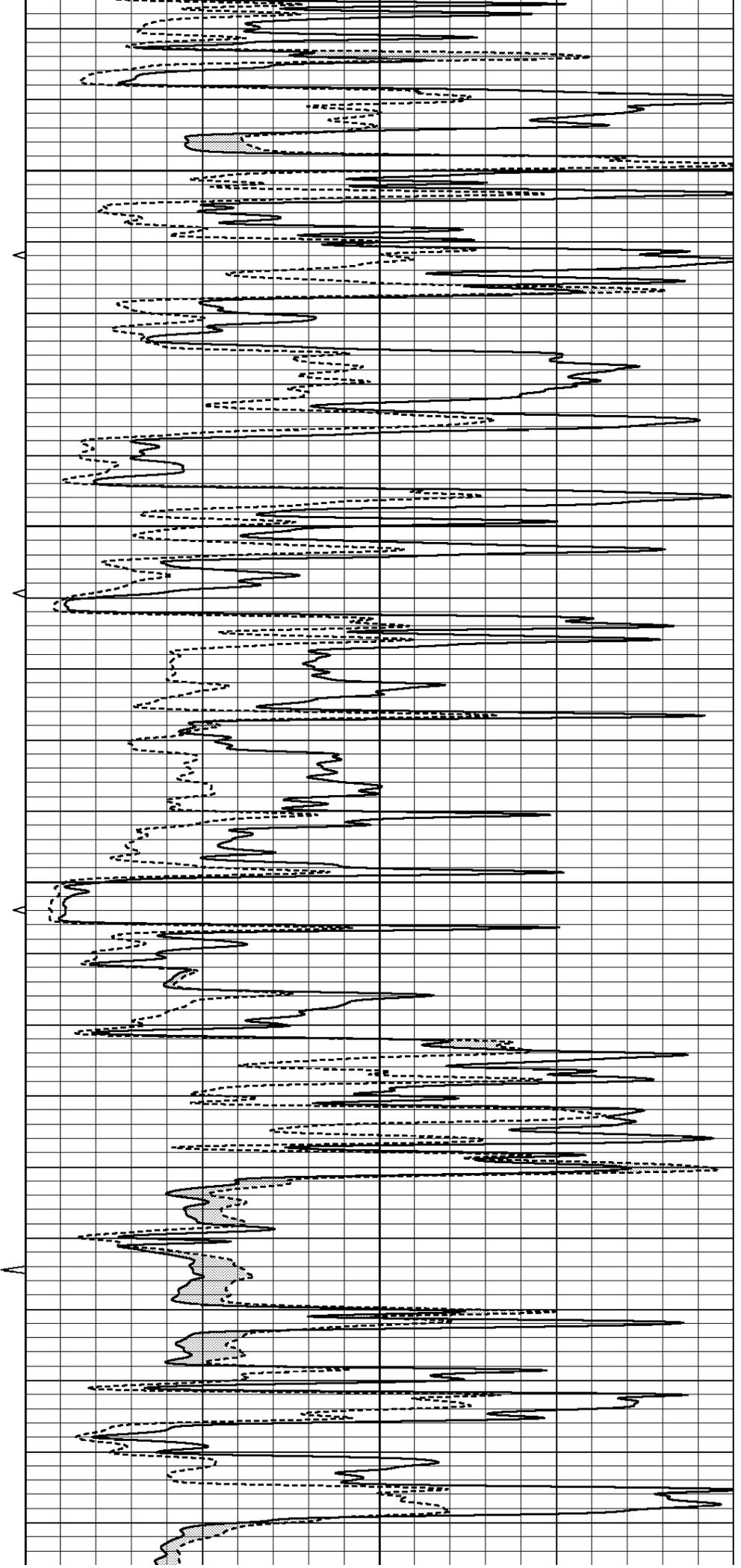


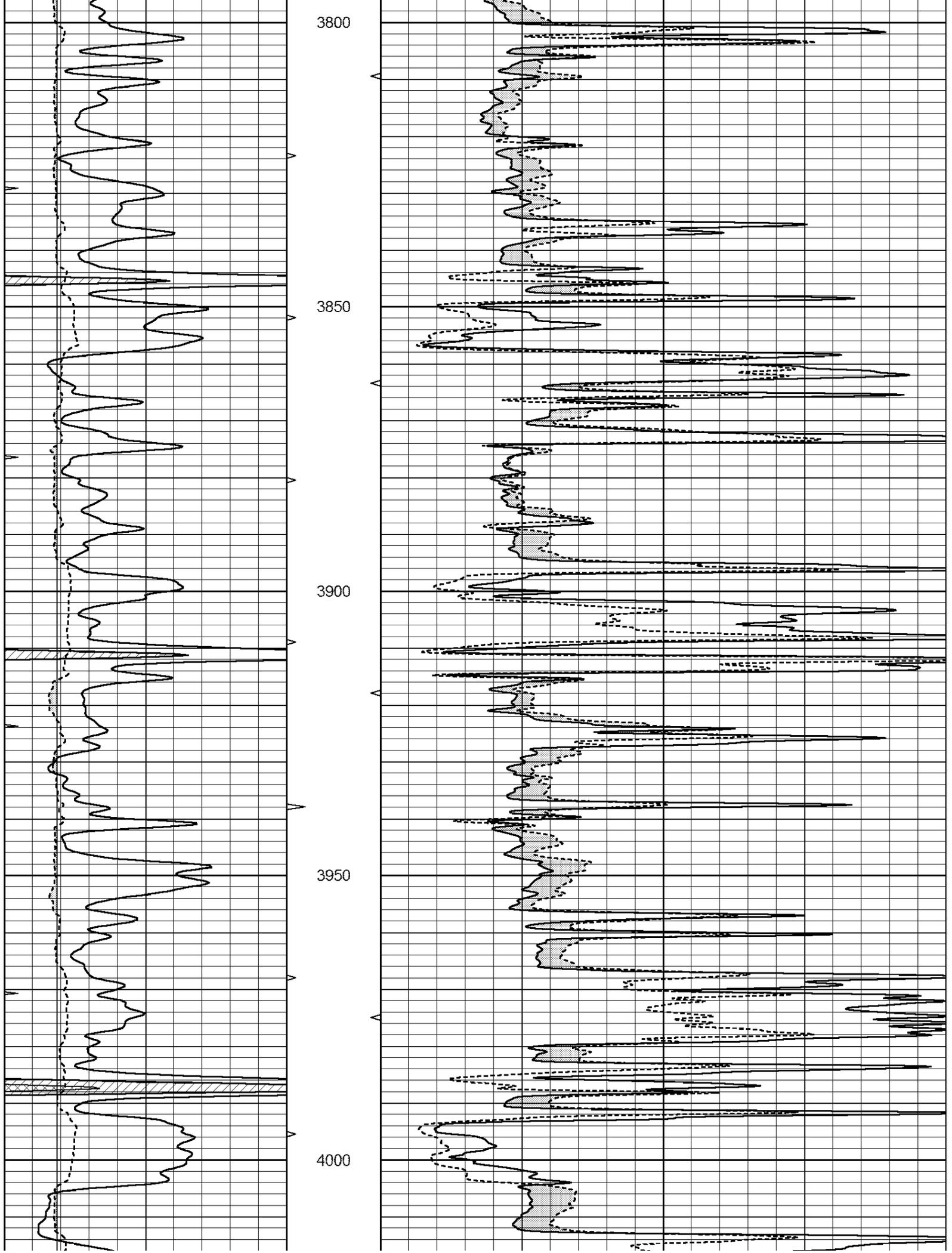
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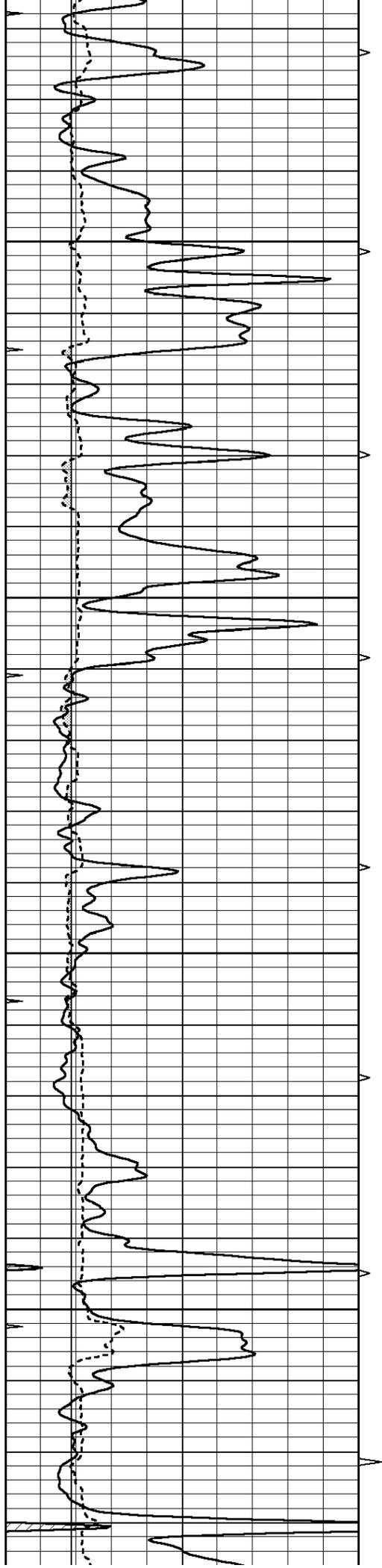
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3750





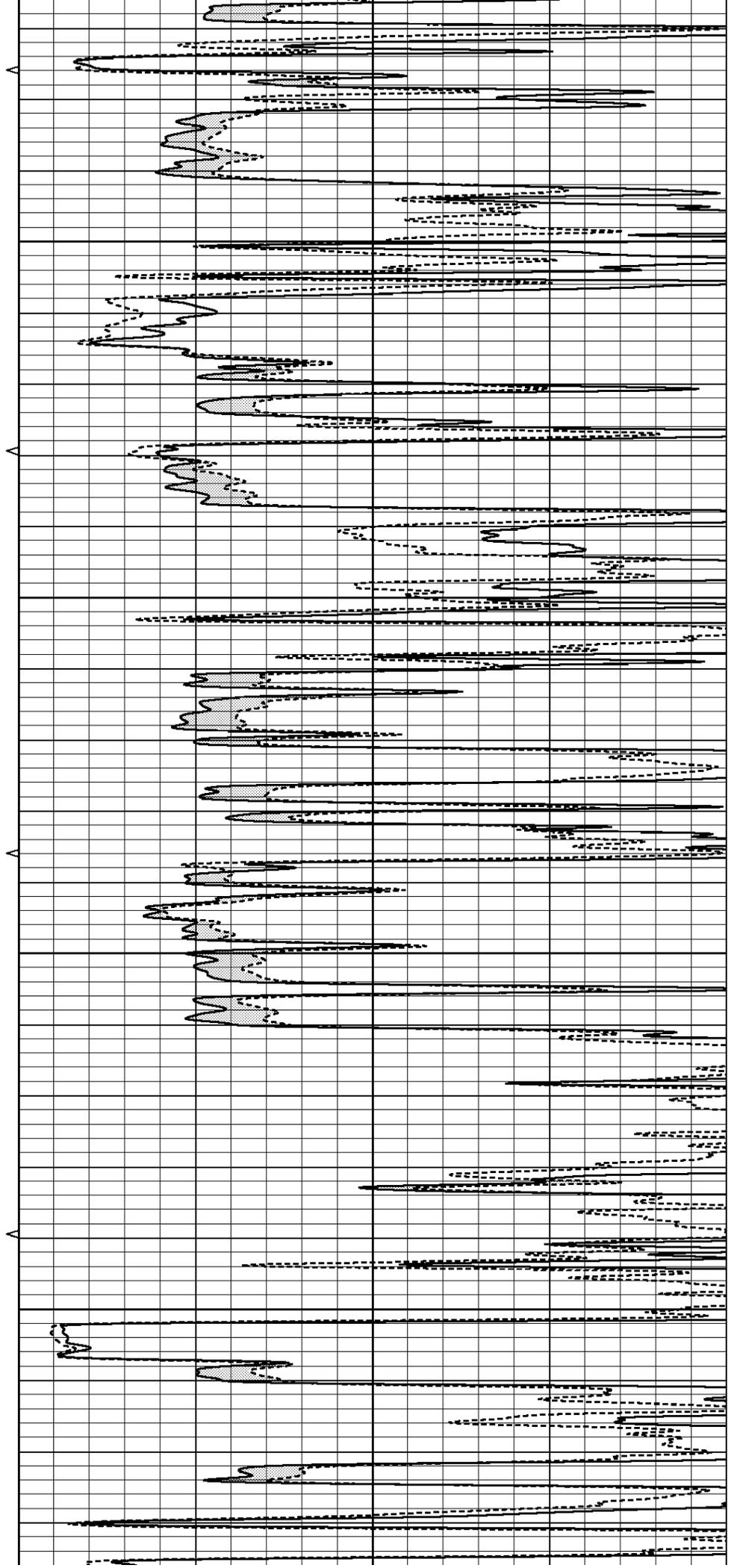


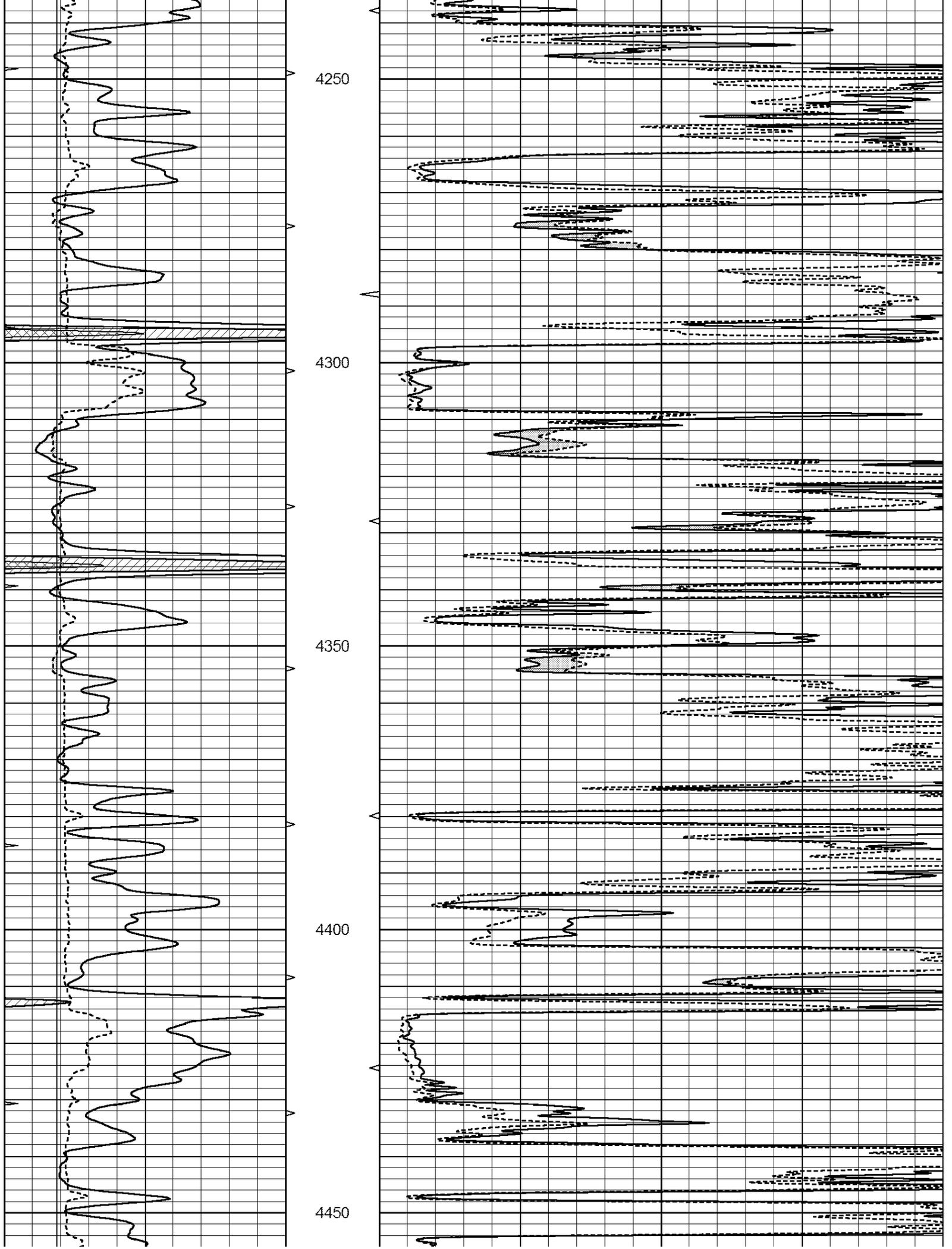
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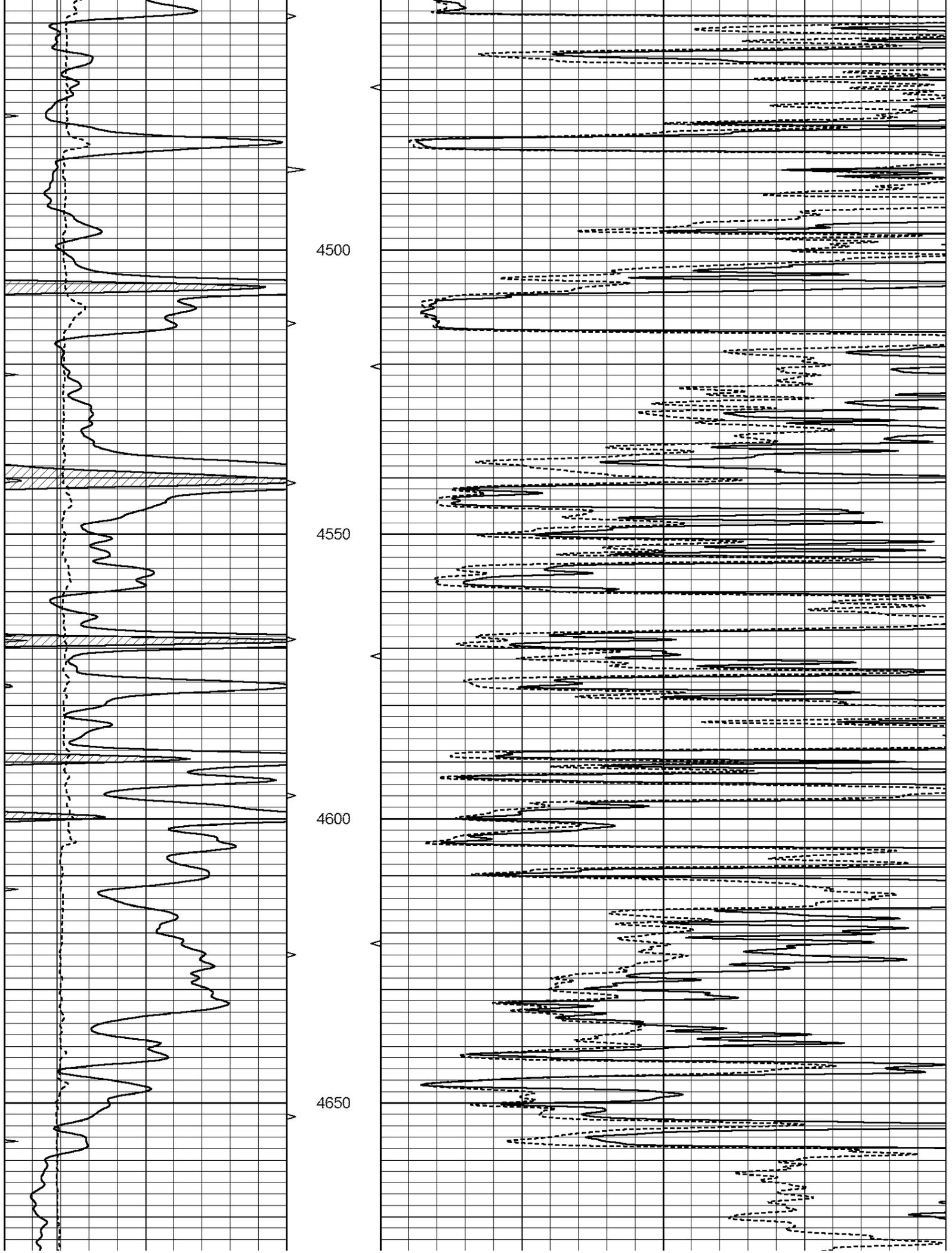
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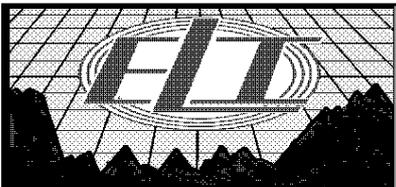
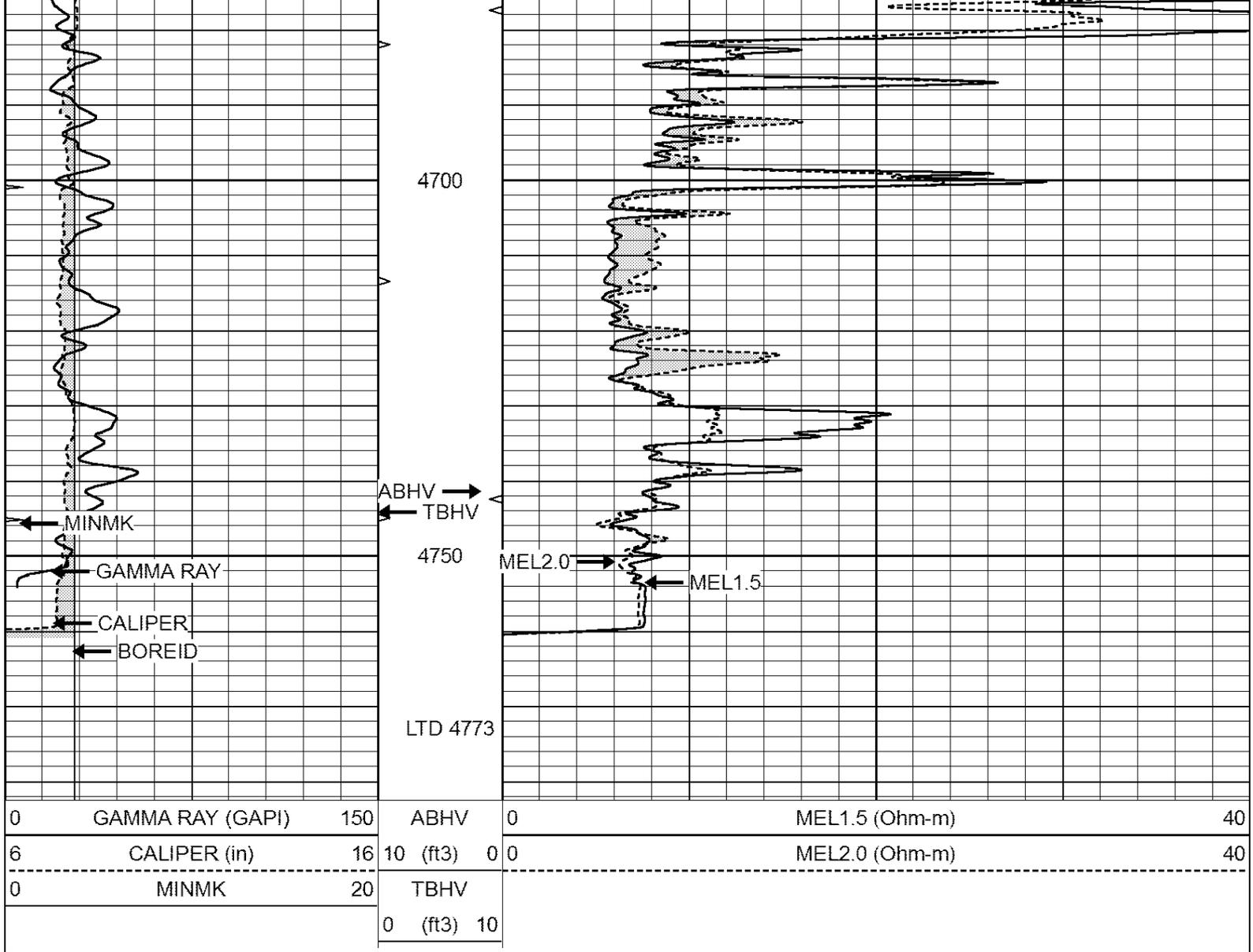
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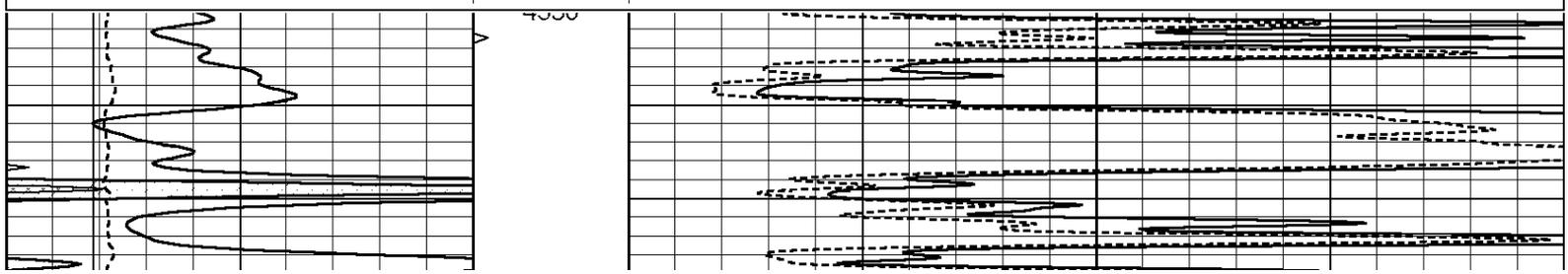


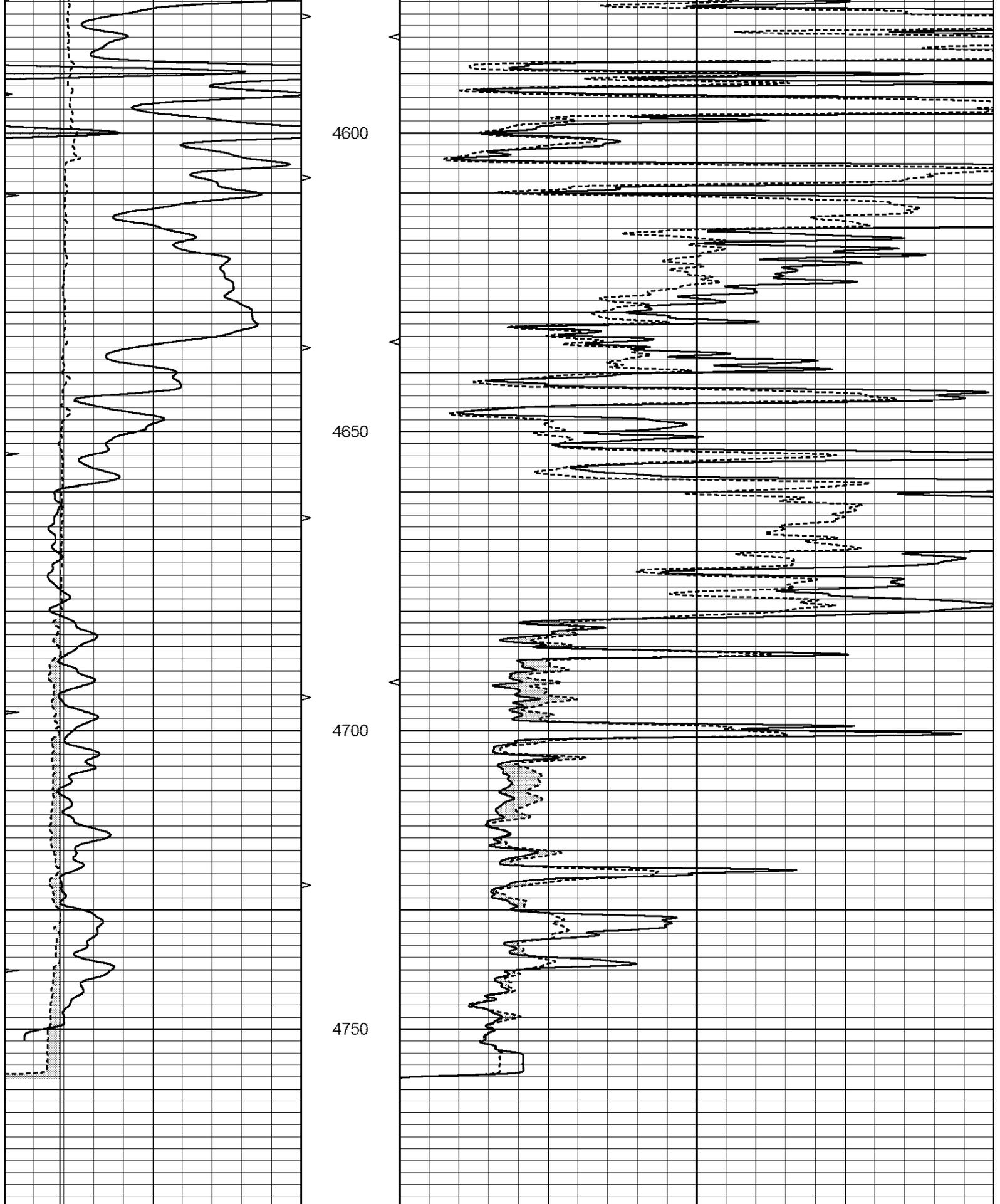


REPEAT SECTION

Database File: 2405ddn.db
 Dataset Pathname: pass4.1
 Presentation Format: _micro
 Dataset Creation: Wed Feb 07 07:52:23 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		





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: 2405ddn.db
 Dataset Pathname: pass4.1
 Dataset Creation: Wed Feb 07 07:52:23 2018 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO6
 Tool Model: PROBE
 Performed: Wed Feb 07 06:59:26 2018

Caliper Calibration: Gain=26.821 Offset=0.483

	Low Cal	High Cal
References	7.000	14.000
Readings	0.217	0.478

1.5" Calibration: Gain=34.075 Offset=-0.400

	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.196

2" Calibration: Gain=45.000 Offset=-1.000

	Low Cal	High Cal
References	0.000	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