



**SUPERIOR
Hays,
Kansas**

**RADIATION
GUARD LOG**

Company PALOMINO PETROLEUM, INC.
Well MAT FARMS - KRAUS #1
Field WILDCAT
County TREGO State KANSAS

Company PALOMINO PETROLEUM, INC.
Well MAT FARMS - KRAUS #1
Field WILDCAT
County TREGO
State KANSAS

Location: API #: 15-195-22710
429' FSL & 103' FEL
SEC 36 TWP 15S RGE 25W
Permanent Datum GROUND LEVEL Elevation 2545
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services SONIC
Elevation K.B. 2550
D.F.
G.L. 2545

Date	5-21-11
Run Number	ONE
Depth Driller	4720
Depth Logger	4719
Bottom Logged Interval	4718
Top Log Interval	00
Casing Driller	231
Casing Logger	231
Bit Size	7.875
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.5 / 60
pH / Fluid Loss	9.5 / 8.0
Source of Sample	FLOWLINE
Rm @ Meas. Temp	1.10 @ 94F
Rmf @ Meas. Temp	0.83 @ 94F
Rmc @ Meas. Temp	1.32 @ 94F
Source of Rmf / Rmc	MEASURED
Rm @ BHT	.850 @ 122F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	1:30 P.M.
Maximum Recorded Temperature	122F
Equipment Number	860
Location	HAYS, KS.
Recorded By	RUPP
Witnessed By	NICK GERSTNER

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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

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: ARNOLD, N TO THE T IN THE ROAD, 1/8E, N INTO.

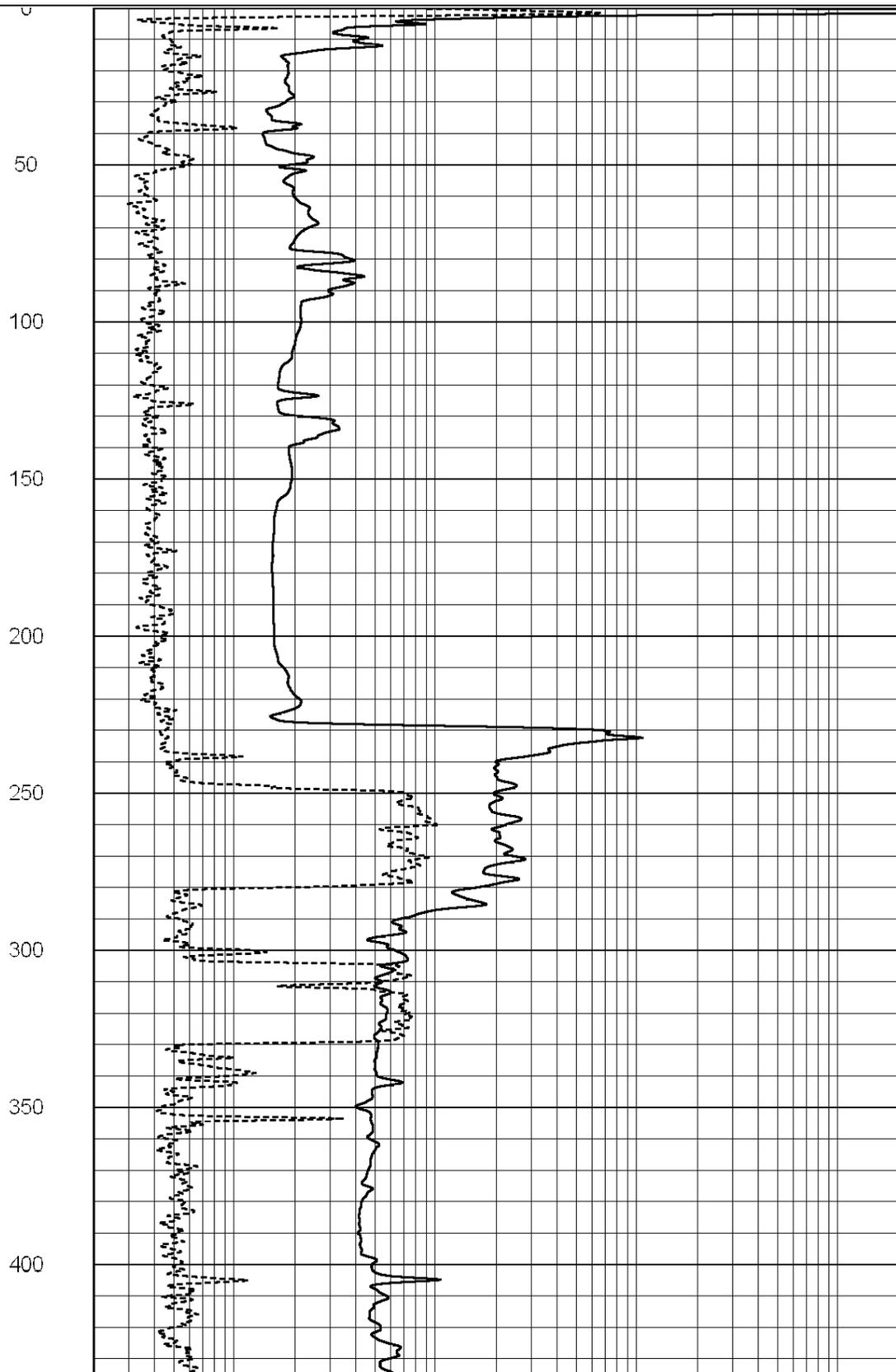
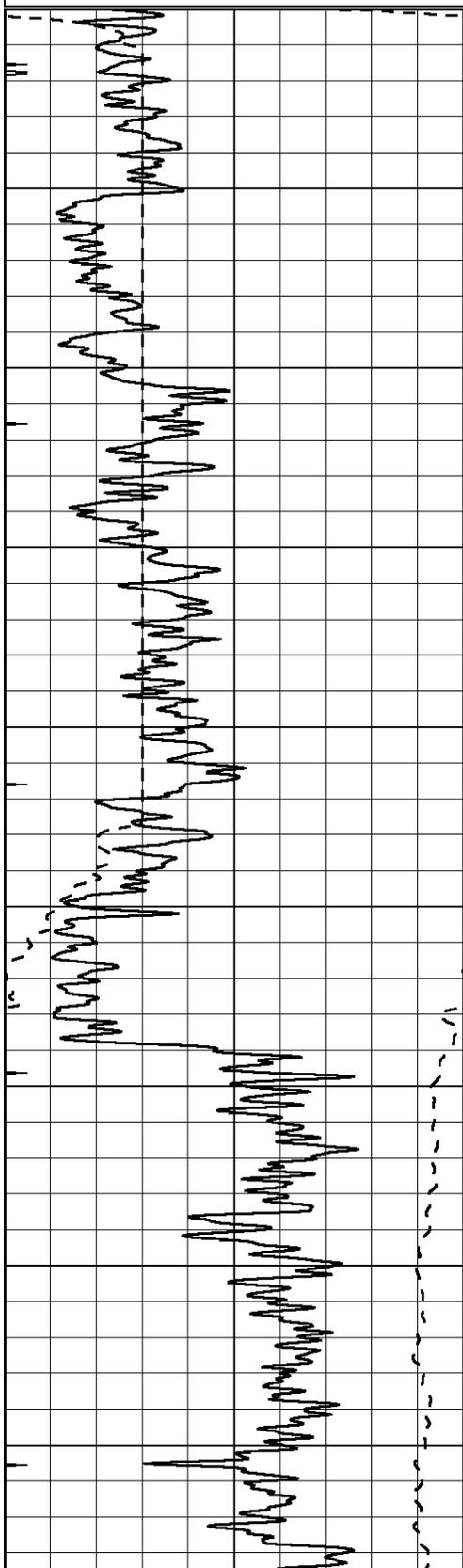


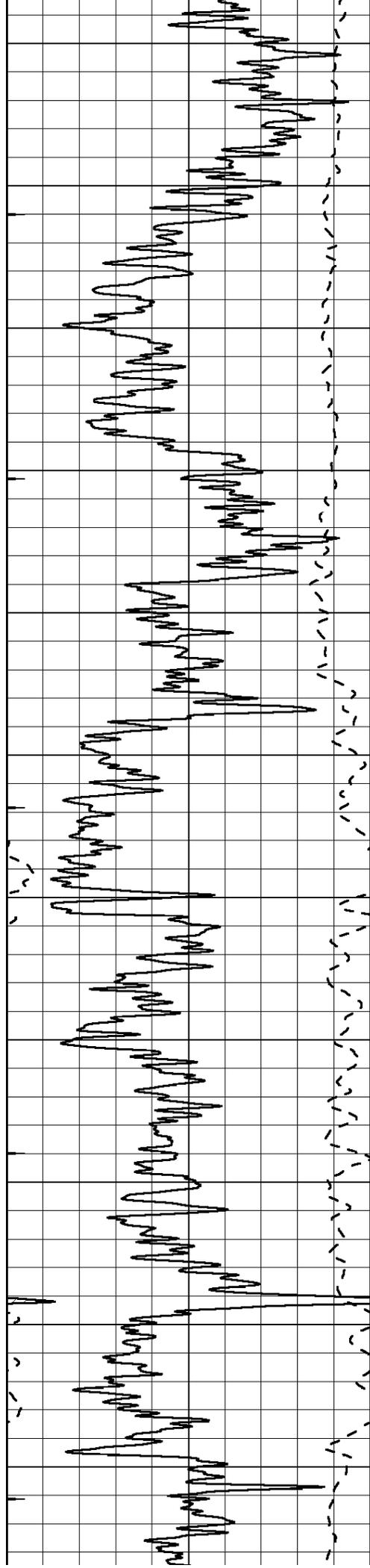
**SUPERIOR
Hays,
Kansas**

MAIN SECTION

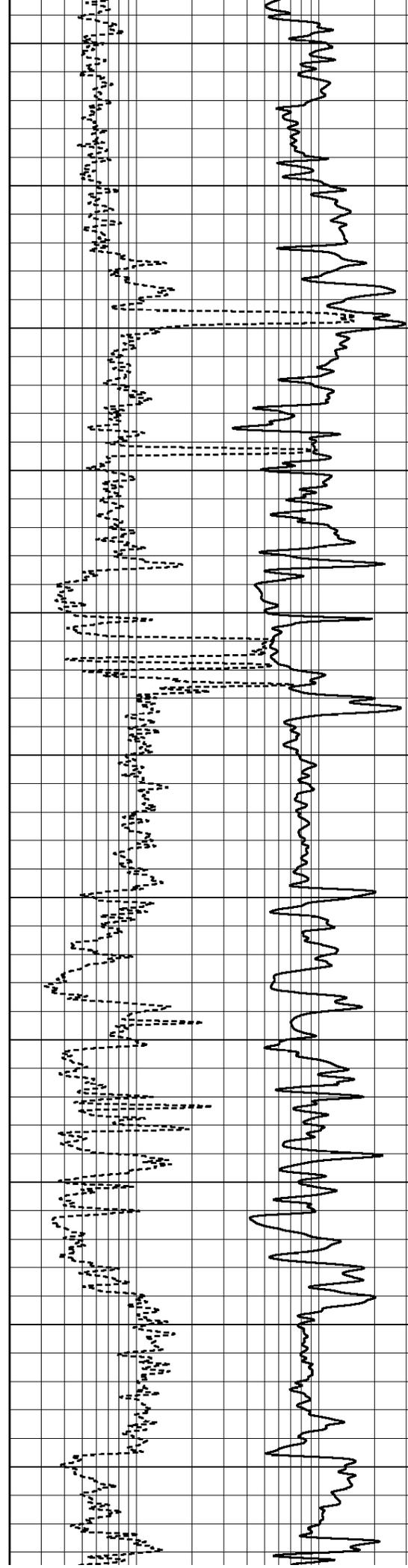
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 Dataset Pathname: pass6.1A
 Presentation Format: rag2
 Dataset Creation: Sat May 21 15:18:49 2011 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:600

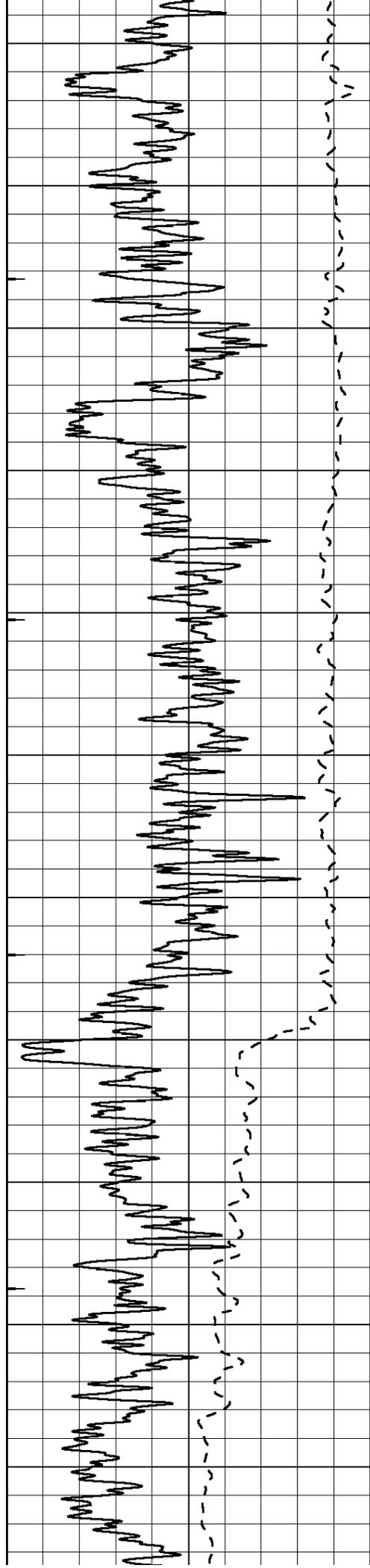
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-100	SP (mV)	100		0	NEUTRON (NAPI)	1000
-----			TBHV (ft3)	-----		





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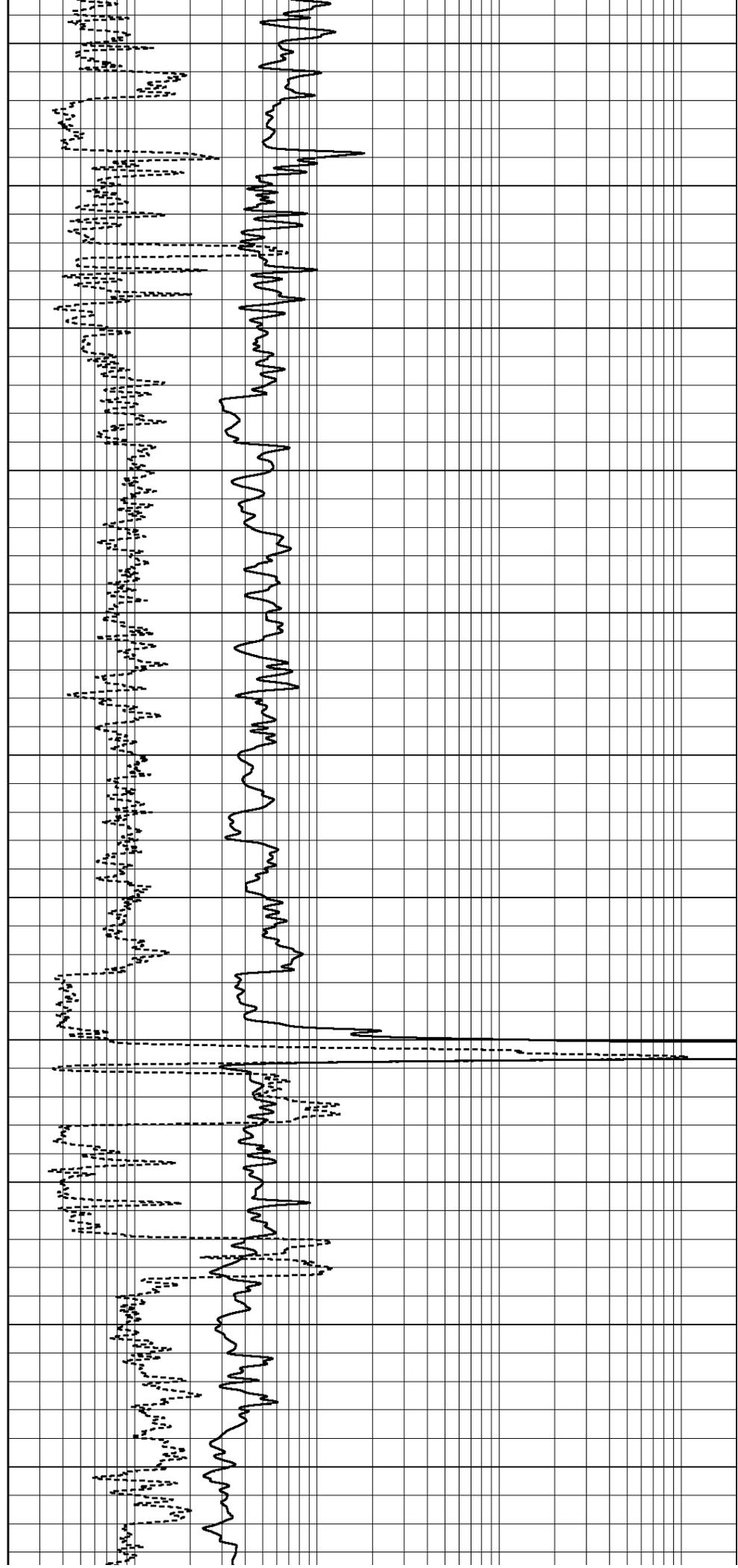
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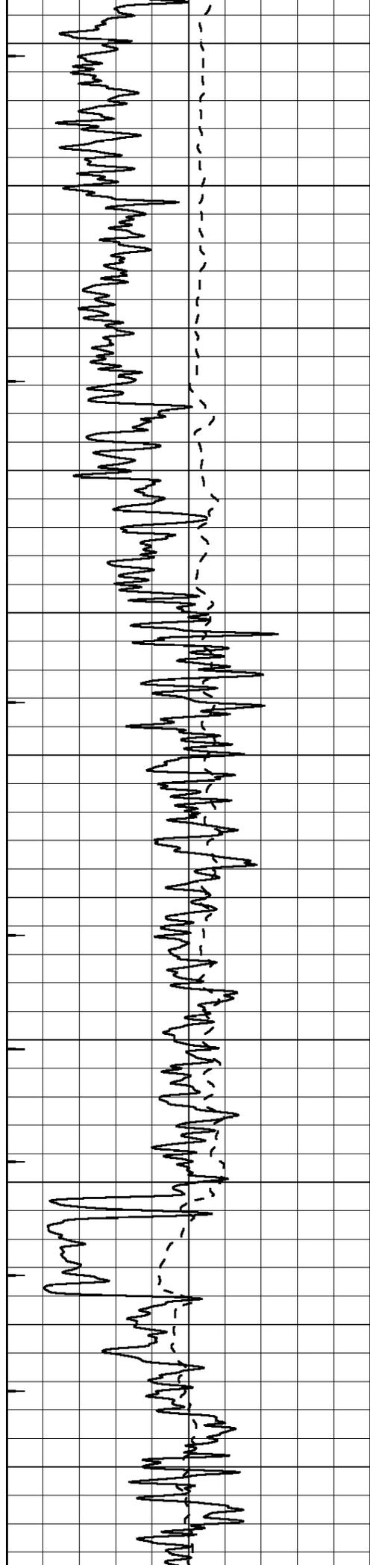
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1500





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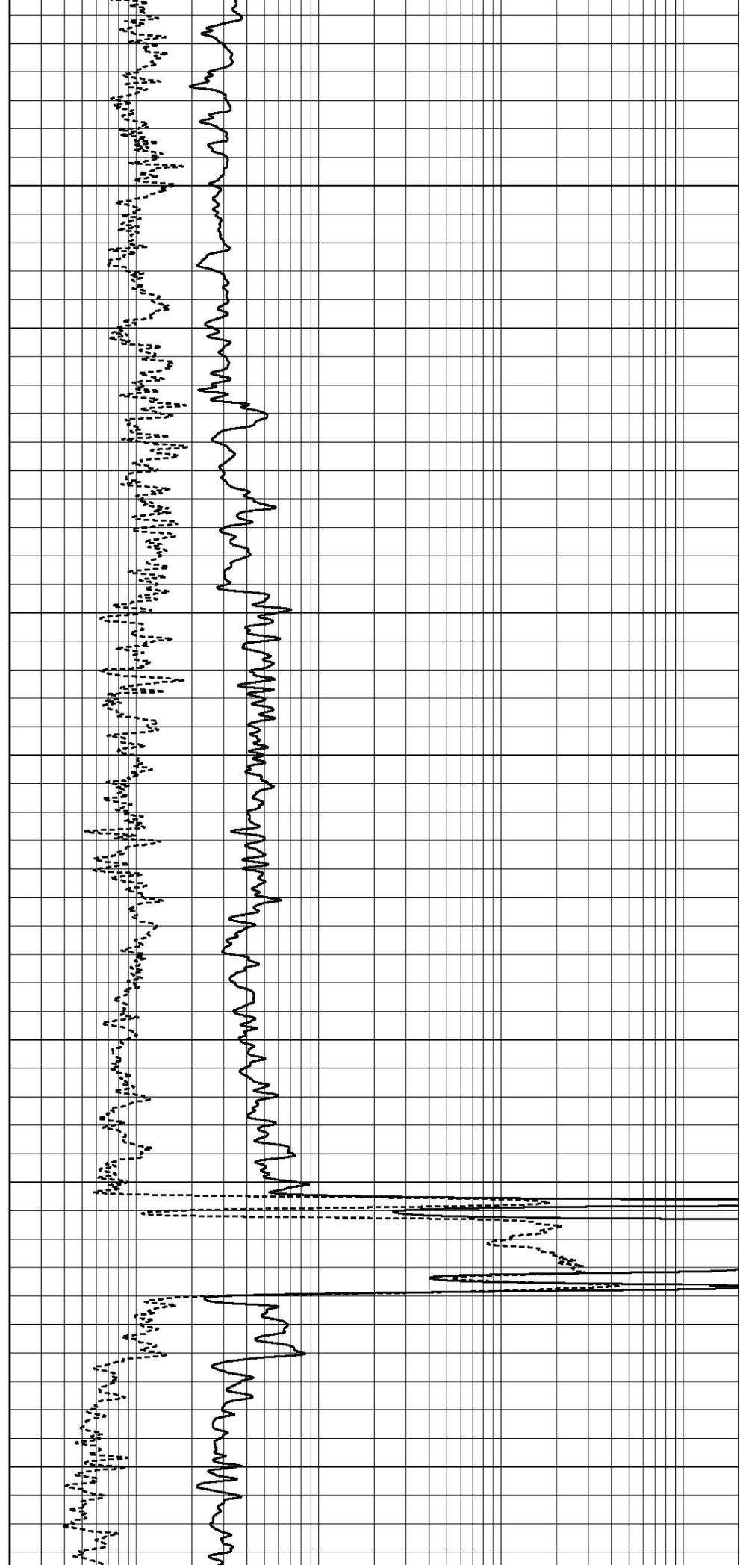
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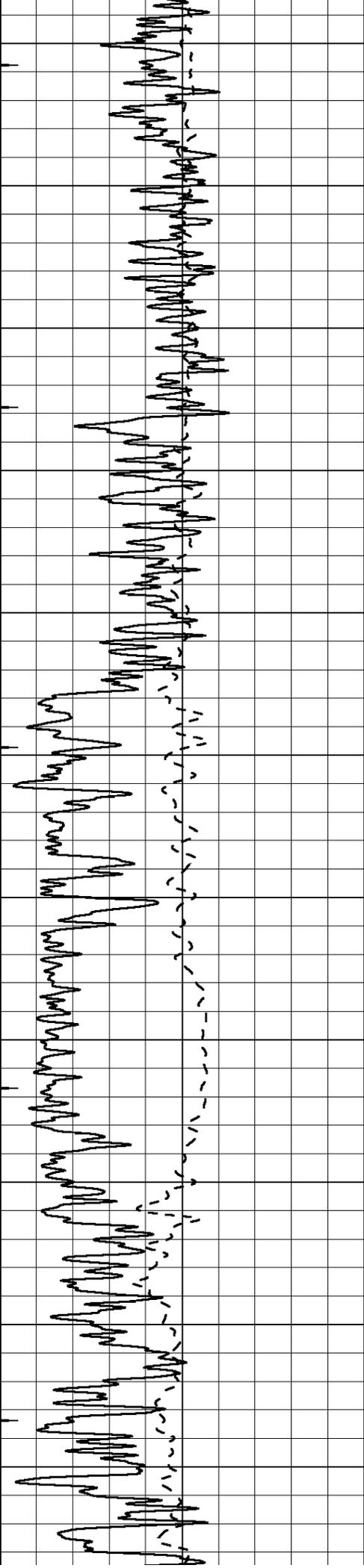
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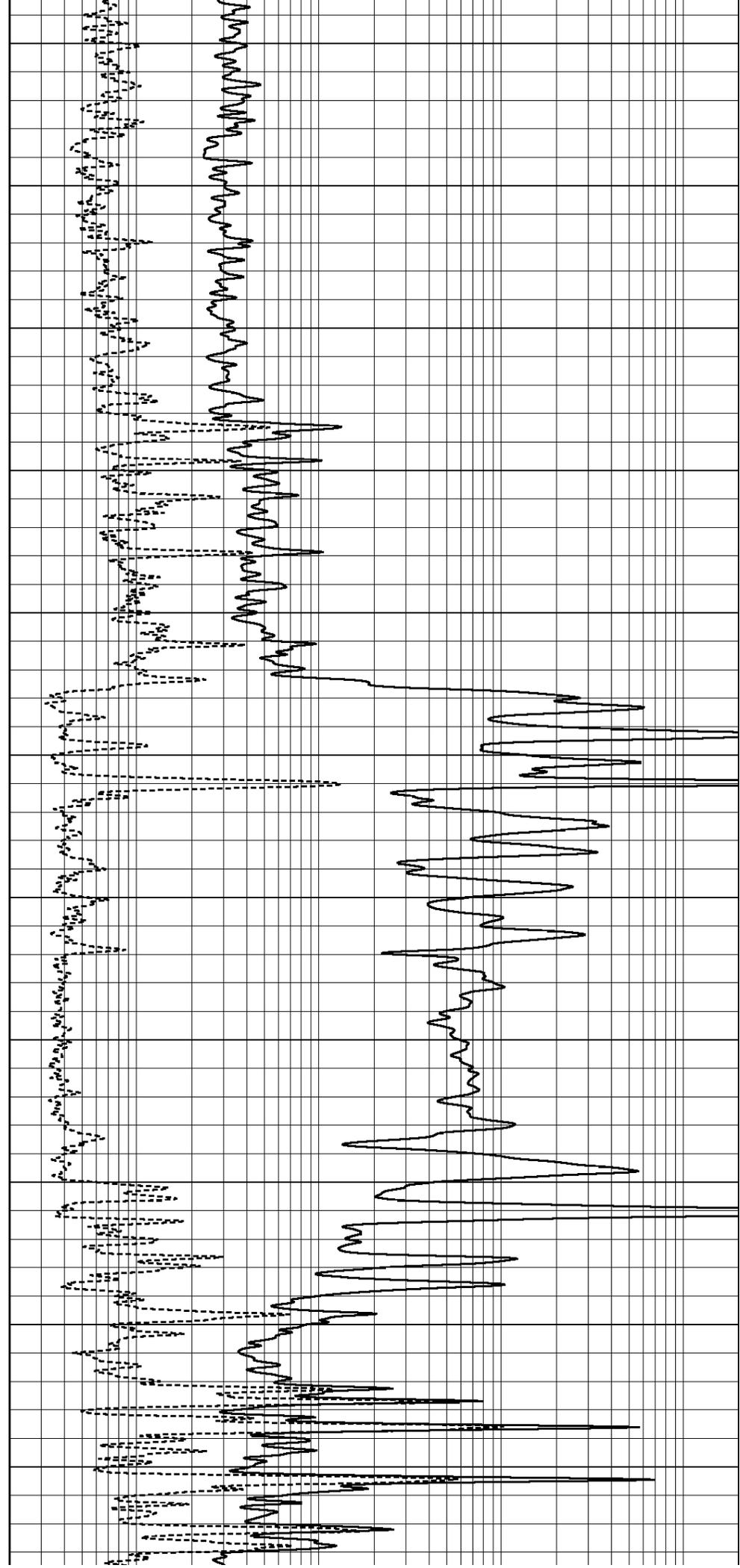
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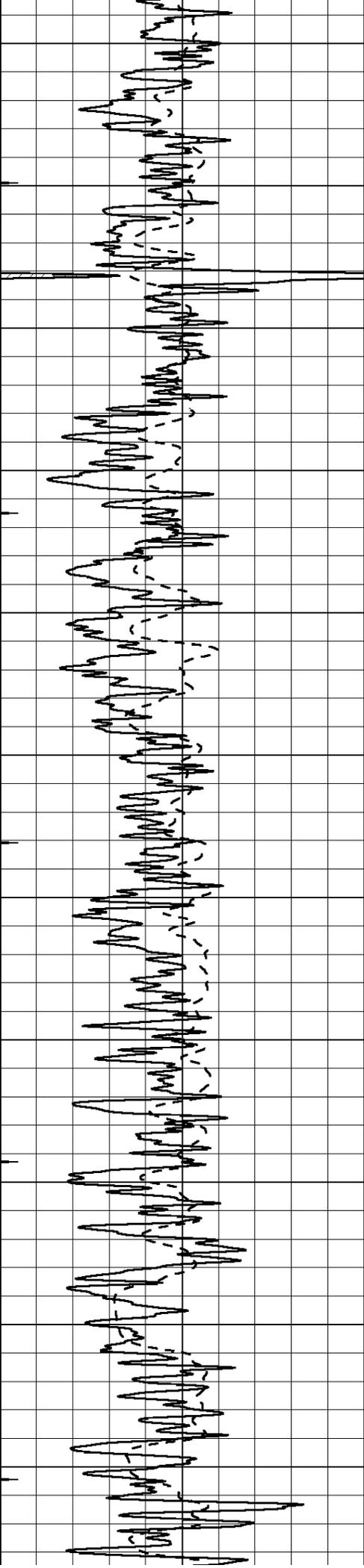
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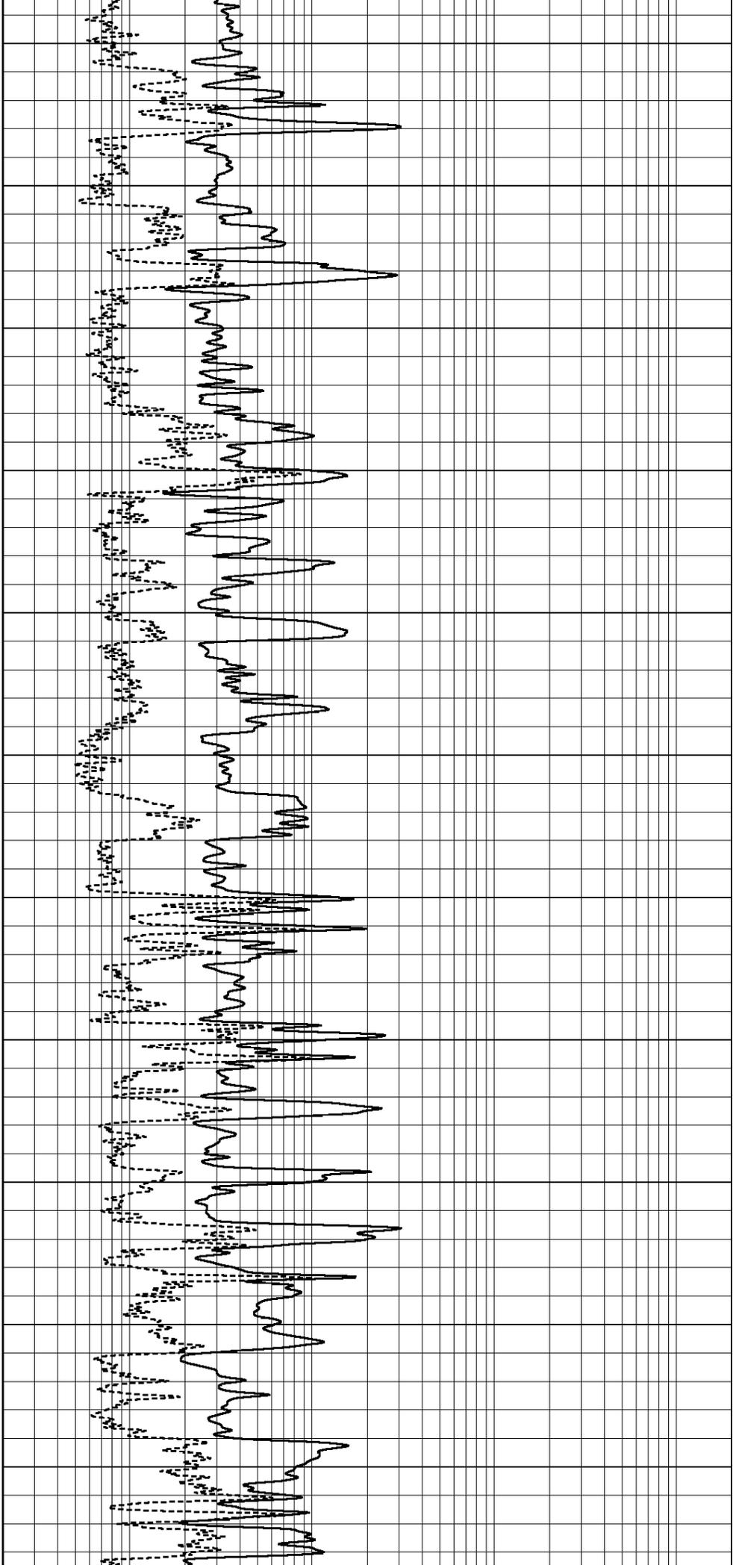


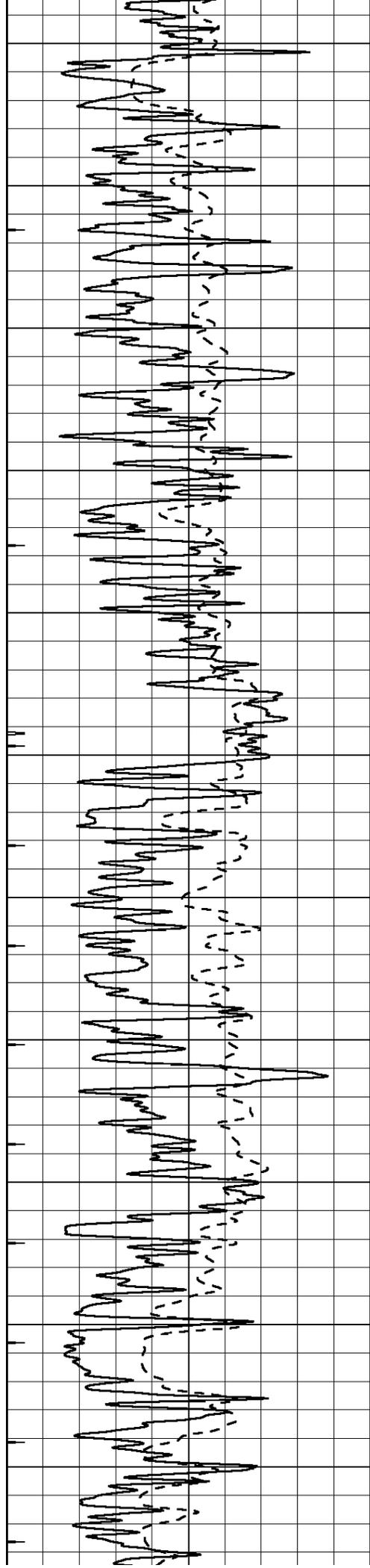
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3400

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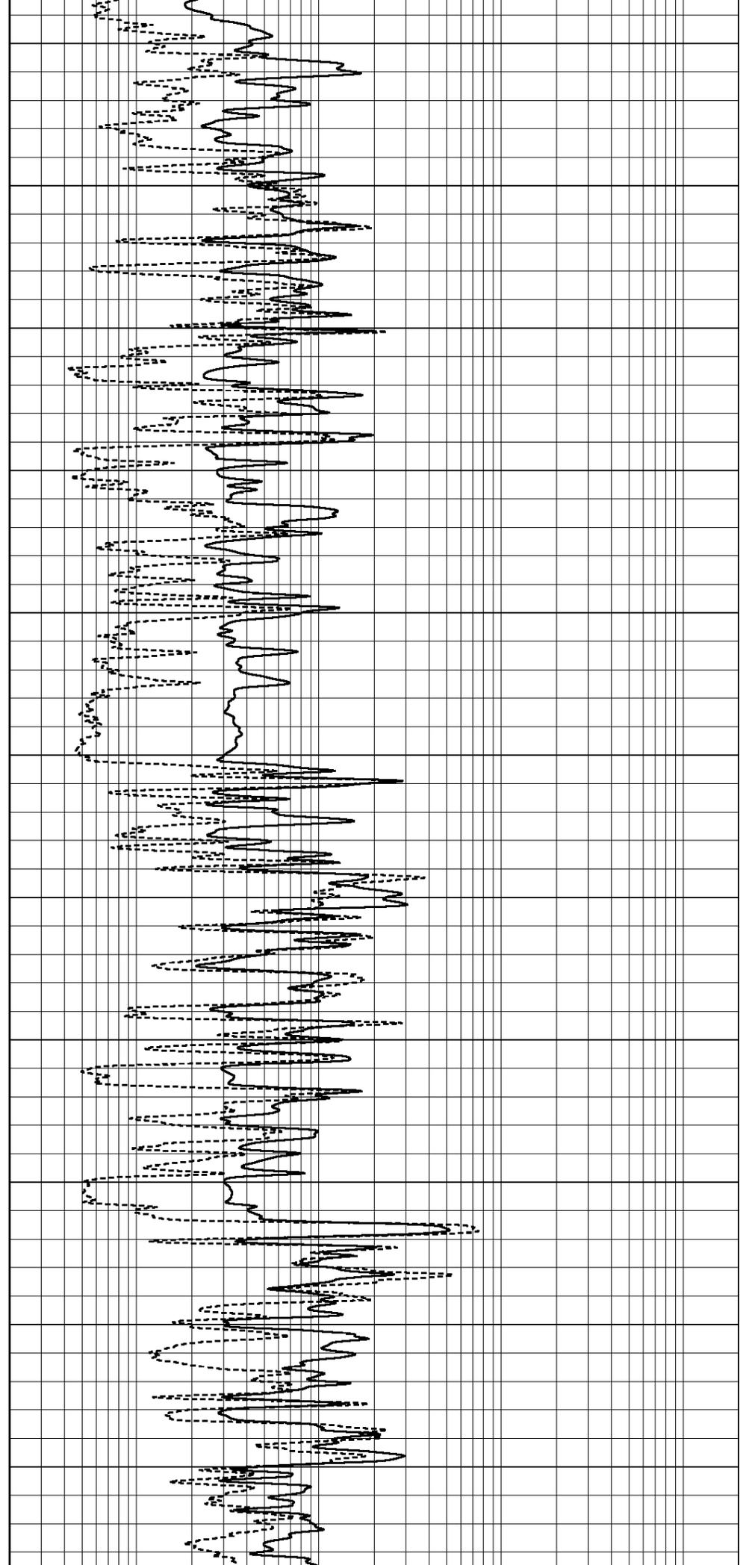
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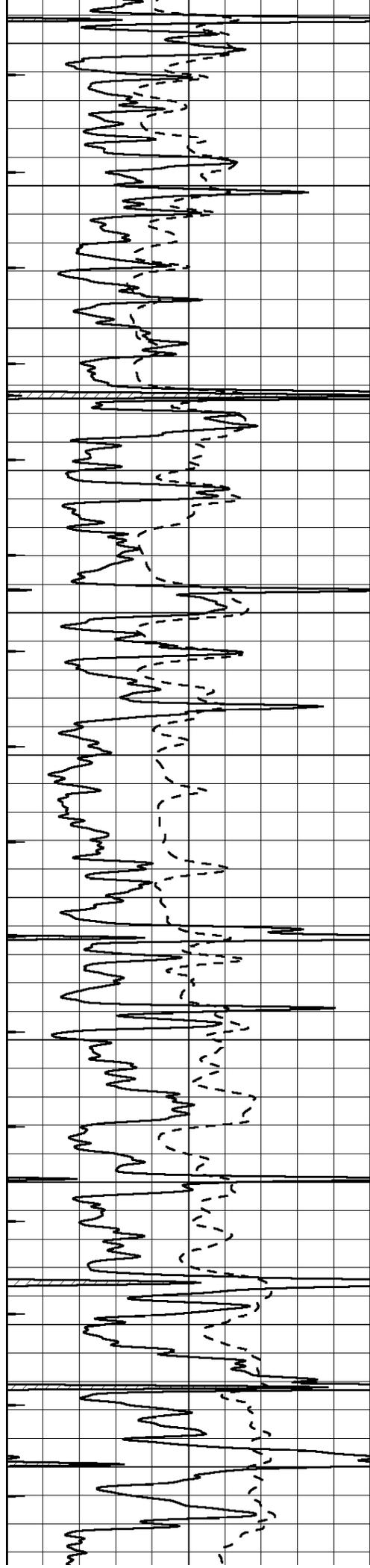
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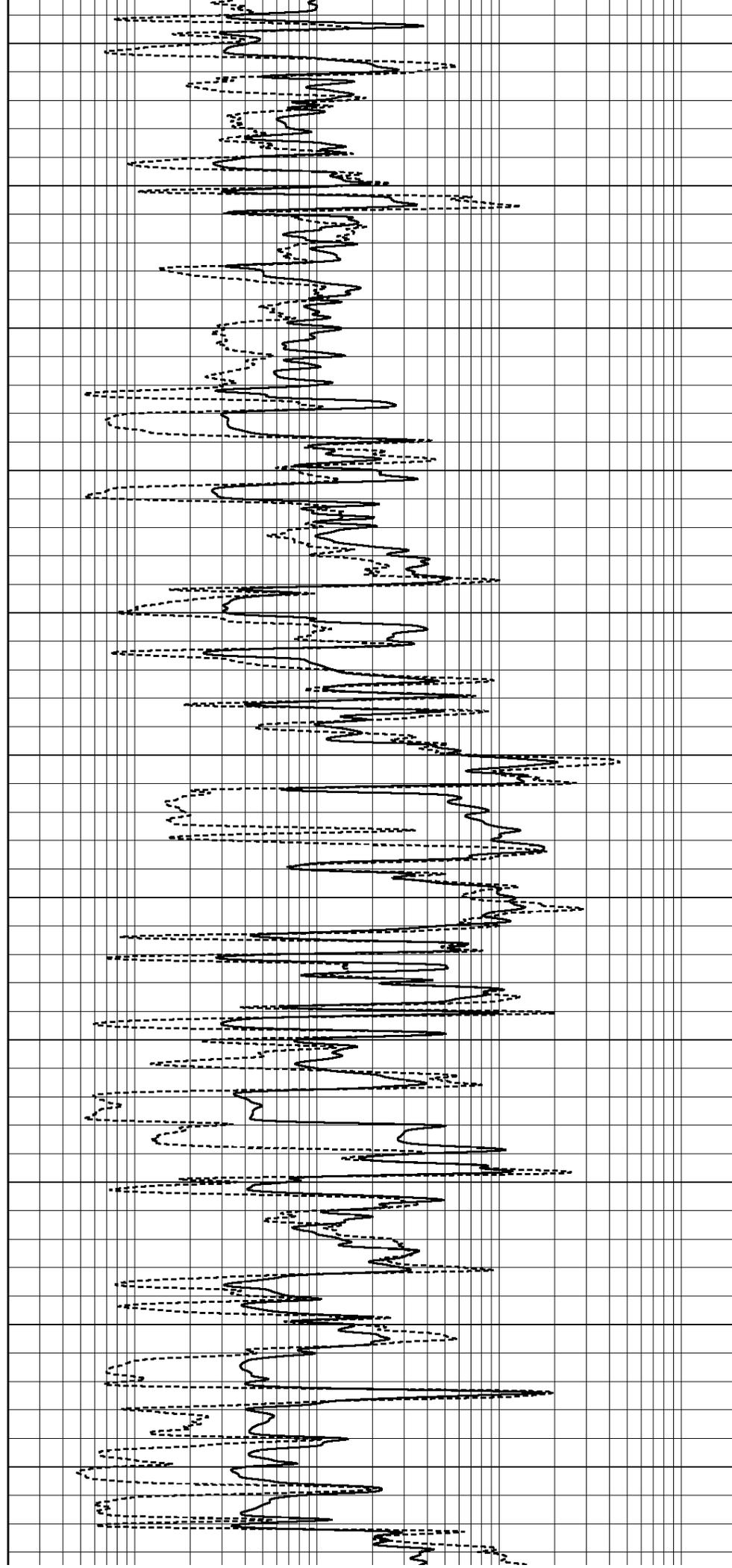
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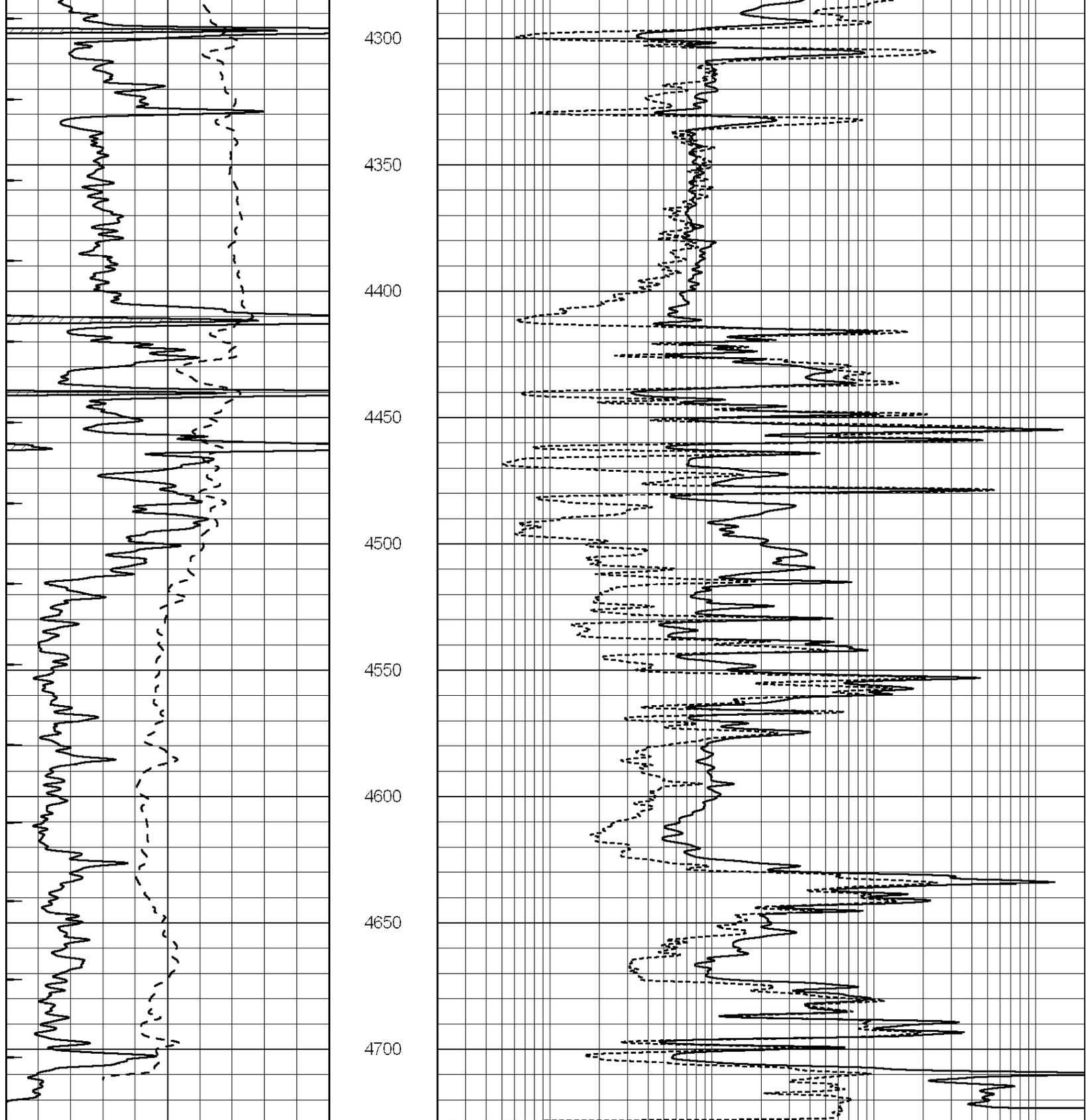
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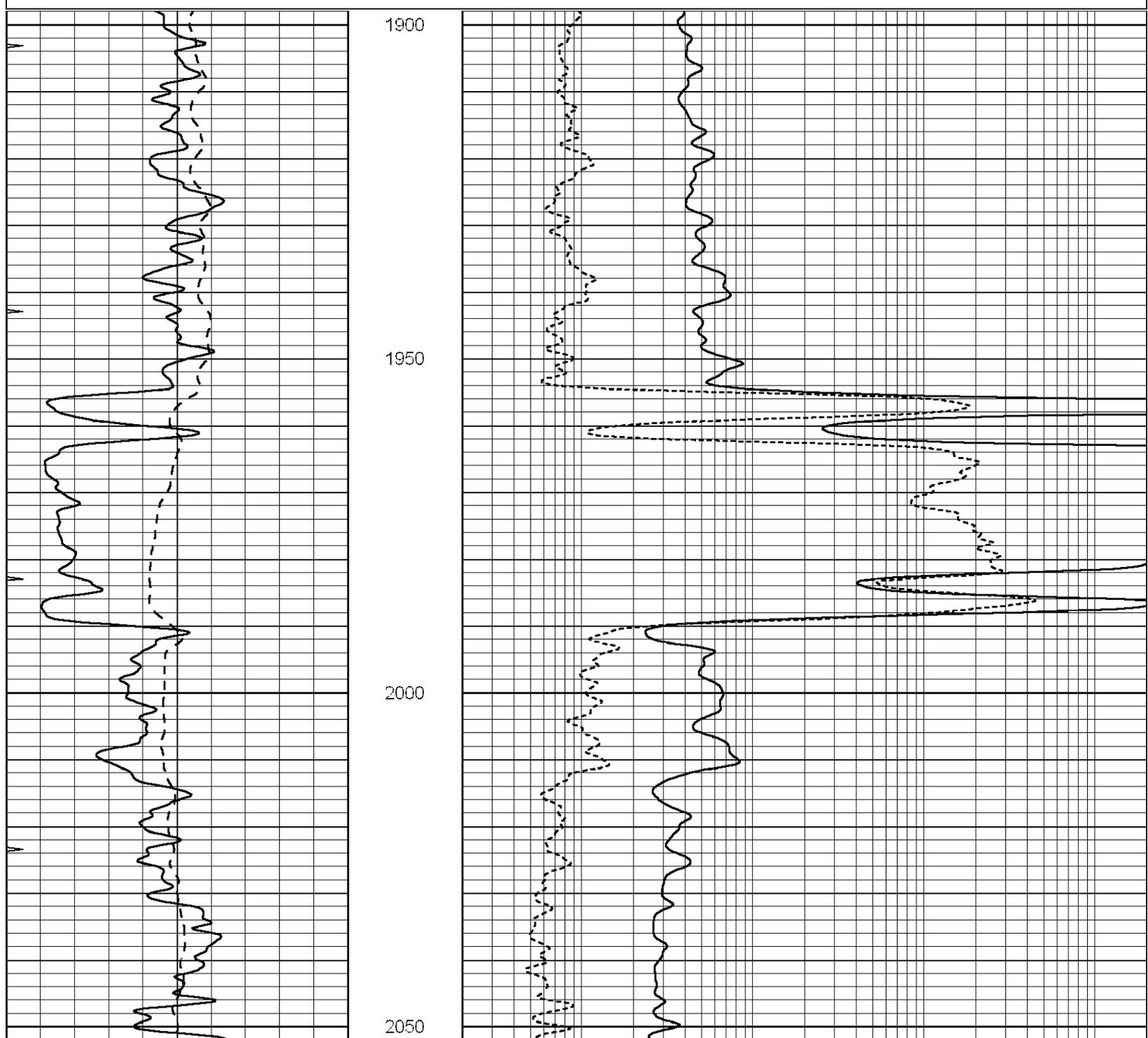


0	GAMMA RAY (GAPI)	150	ABHV (ft3)	0.2	GUARD (Ohm-m)	2000
-100	SP (mV)	100	TBHV (ft3)	0	NEUTRON (NAPI)	1000

MAIN SECTION

Database File: 006923rag.db
 Dataset Pathname: pass6.1A
 Presentation Format: rag2
 Dataset Creation: Sat May 21 15:18:49 2011 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV (ft3)	0.2	GUARD (Ohm-m)	2000
-100	SP (mV)	100		0	NEUTRON (NAPI)	1000
-----			TBHV (ft3)	-----		



0	GAMMA RAY (GAPI)	150	ABHV (ft3)	0.2	GUARD (Ohm-m)	2000
-100	SP (mV)	100		0	NEUTRON (NAPI)	1000
-----			TBHV (ft3)	-----		



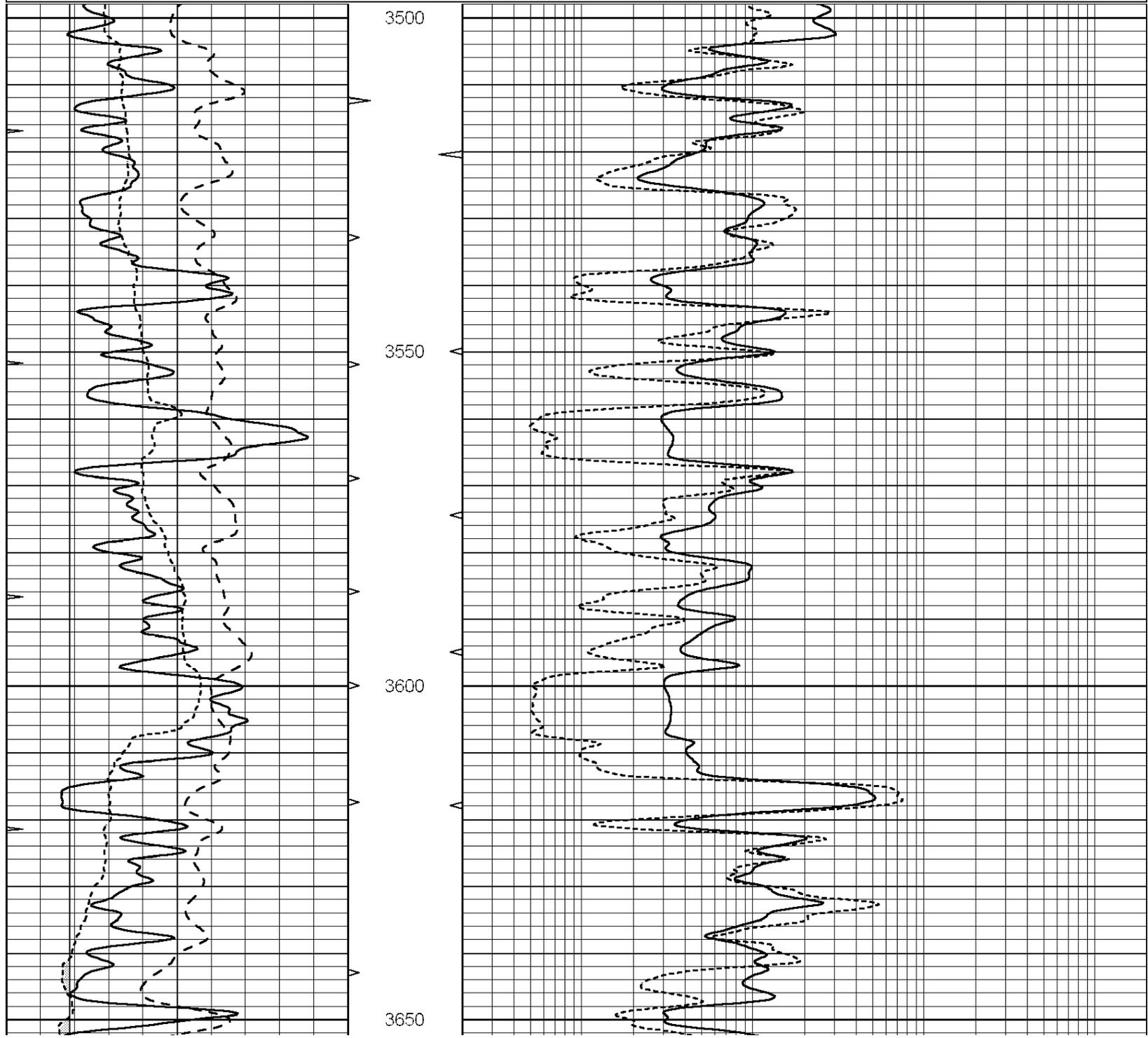
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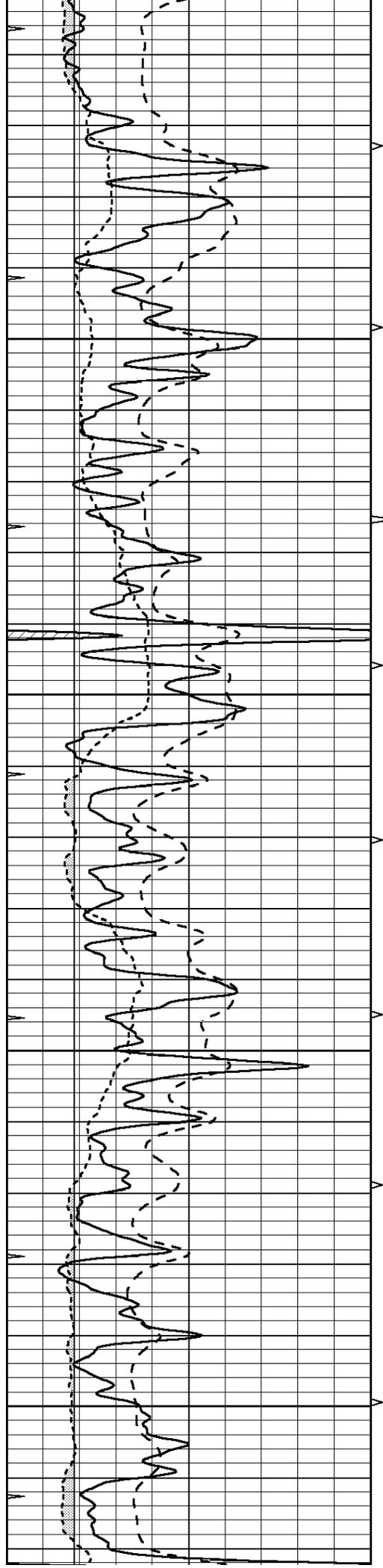
Hays,
Kansas

MAIN SECTION

Database File: 006923rag.db
 Dataset Pathname: pass6.1A
 Presentation Format: rag
 Dataset Creation: Sat May 21 15:18:49 2011 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0.2	GUARD (Ohm-m)	2000
-100	SP (mV)	100	10 (ft3)	0 0	NEUTRON (NAPI)	1000
6	CALIPER (in)	16	TBHV			
			0 (ft3)	10		



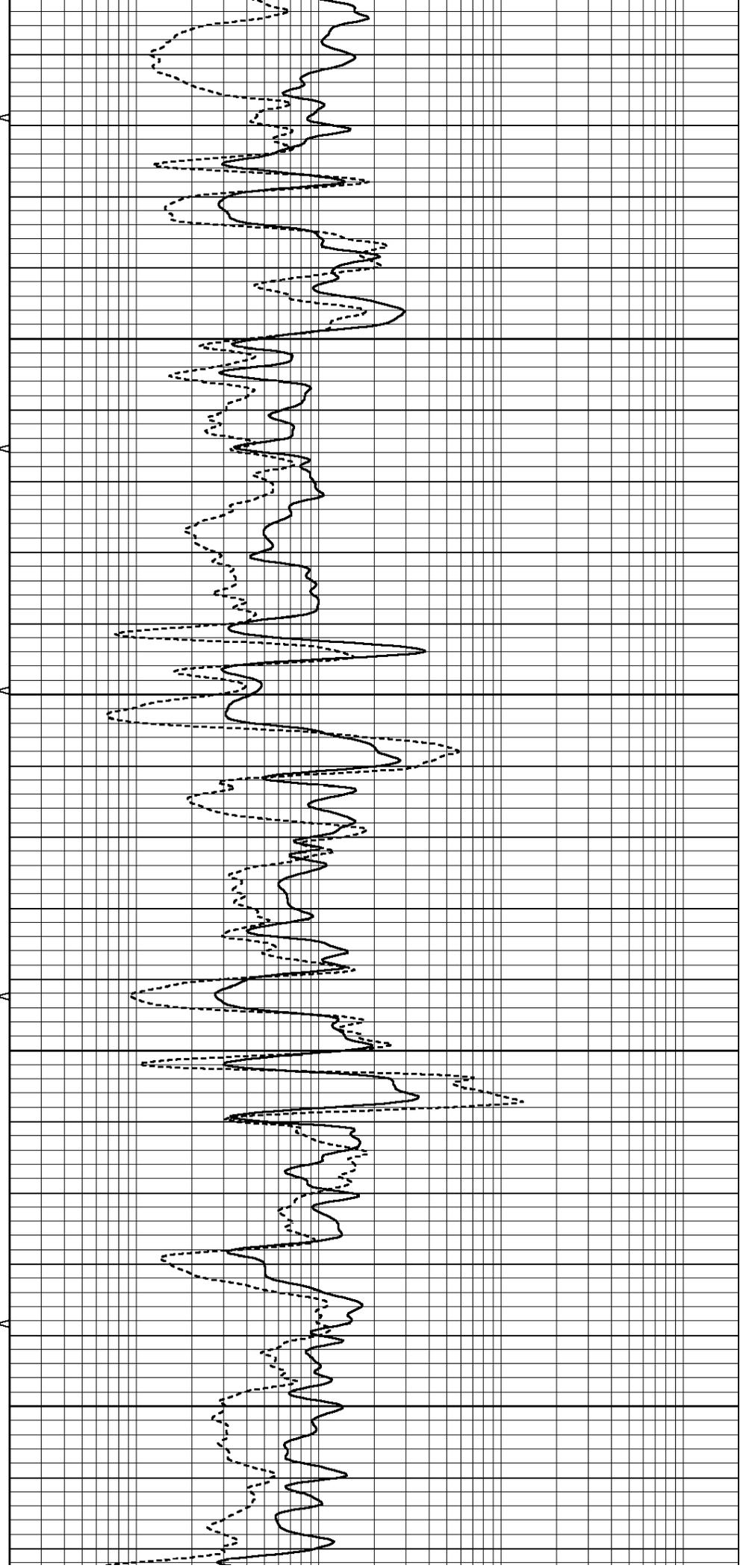


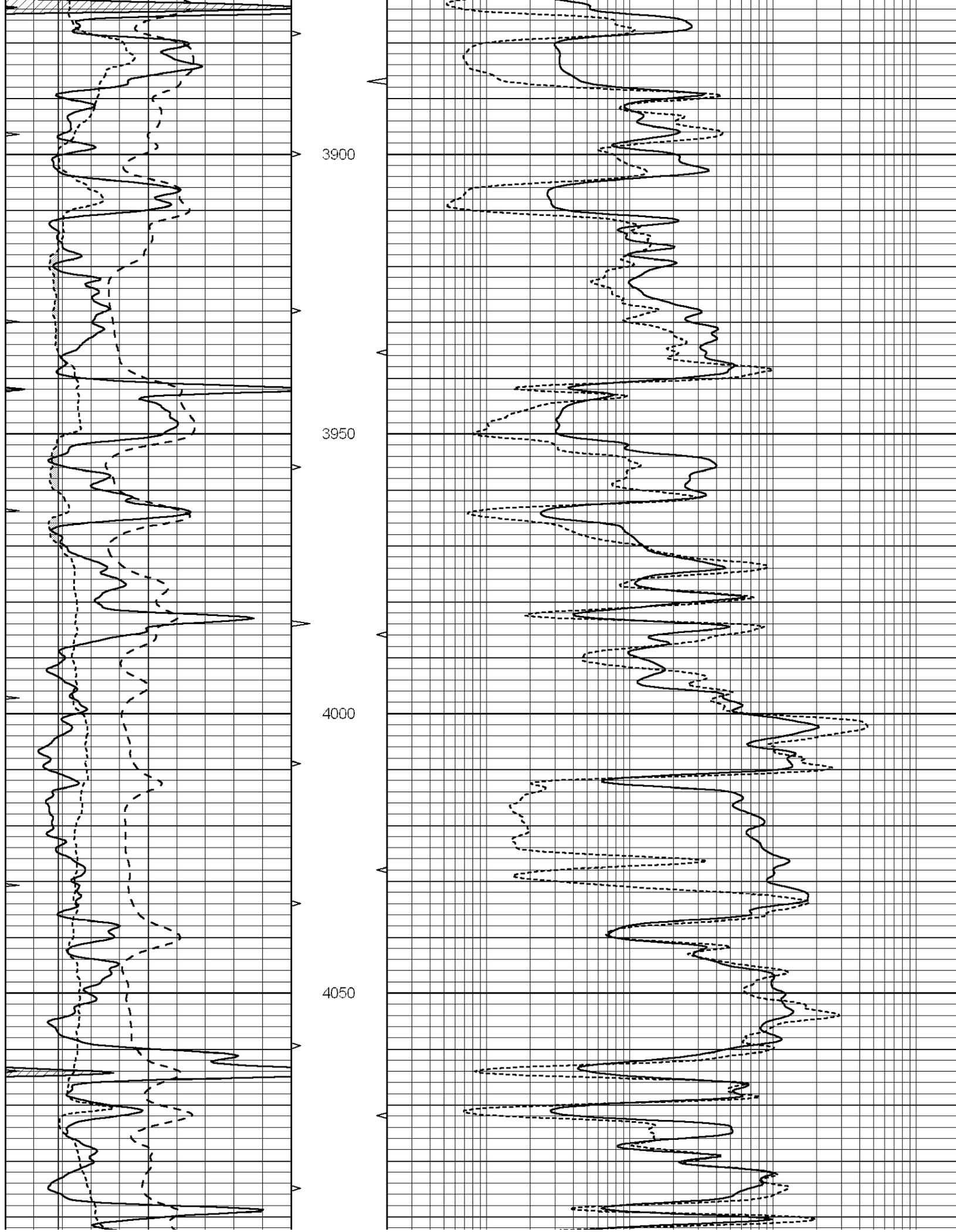
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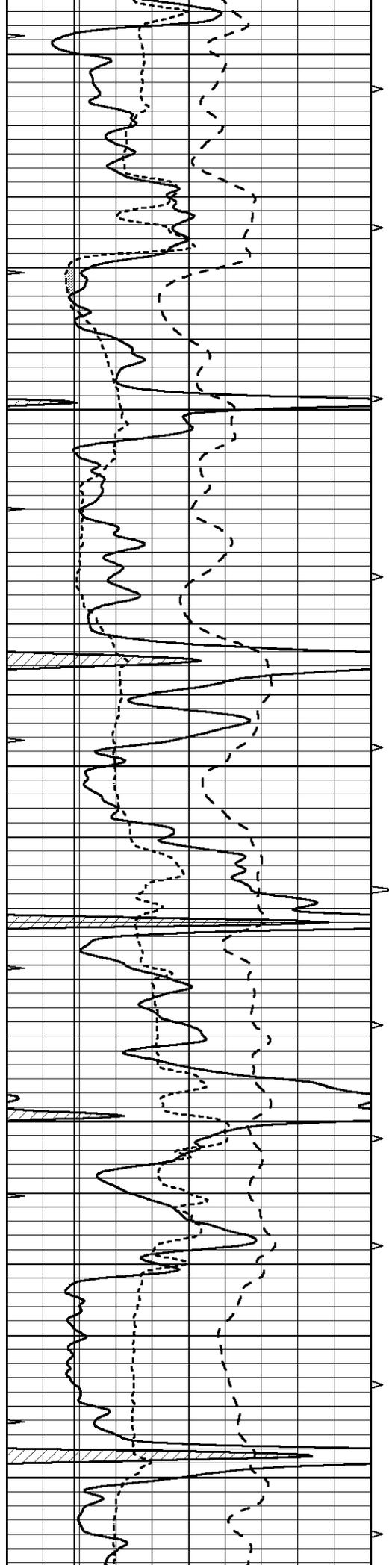
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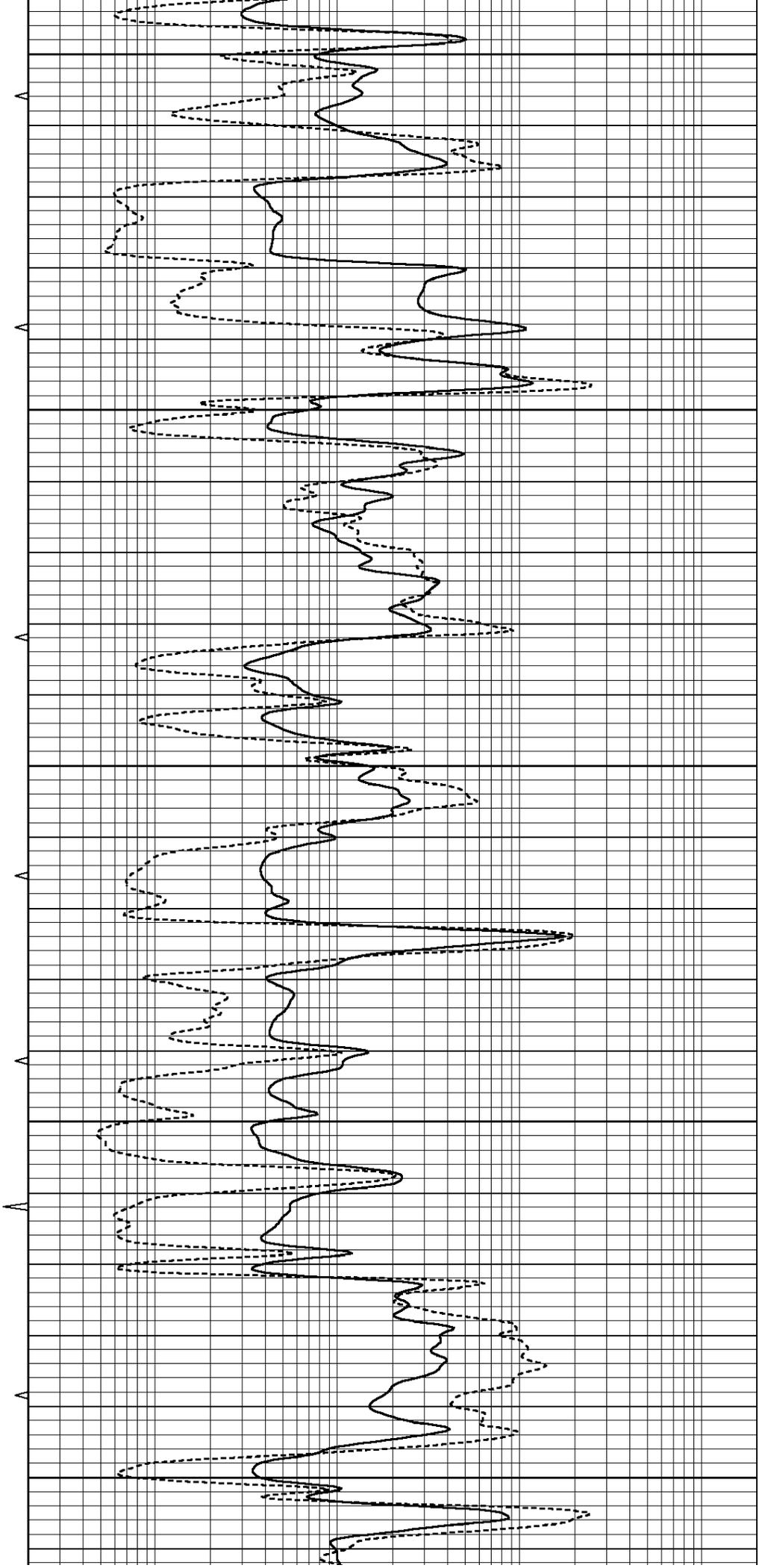
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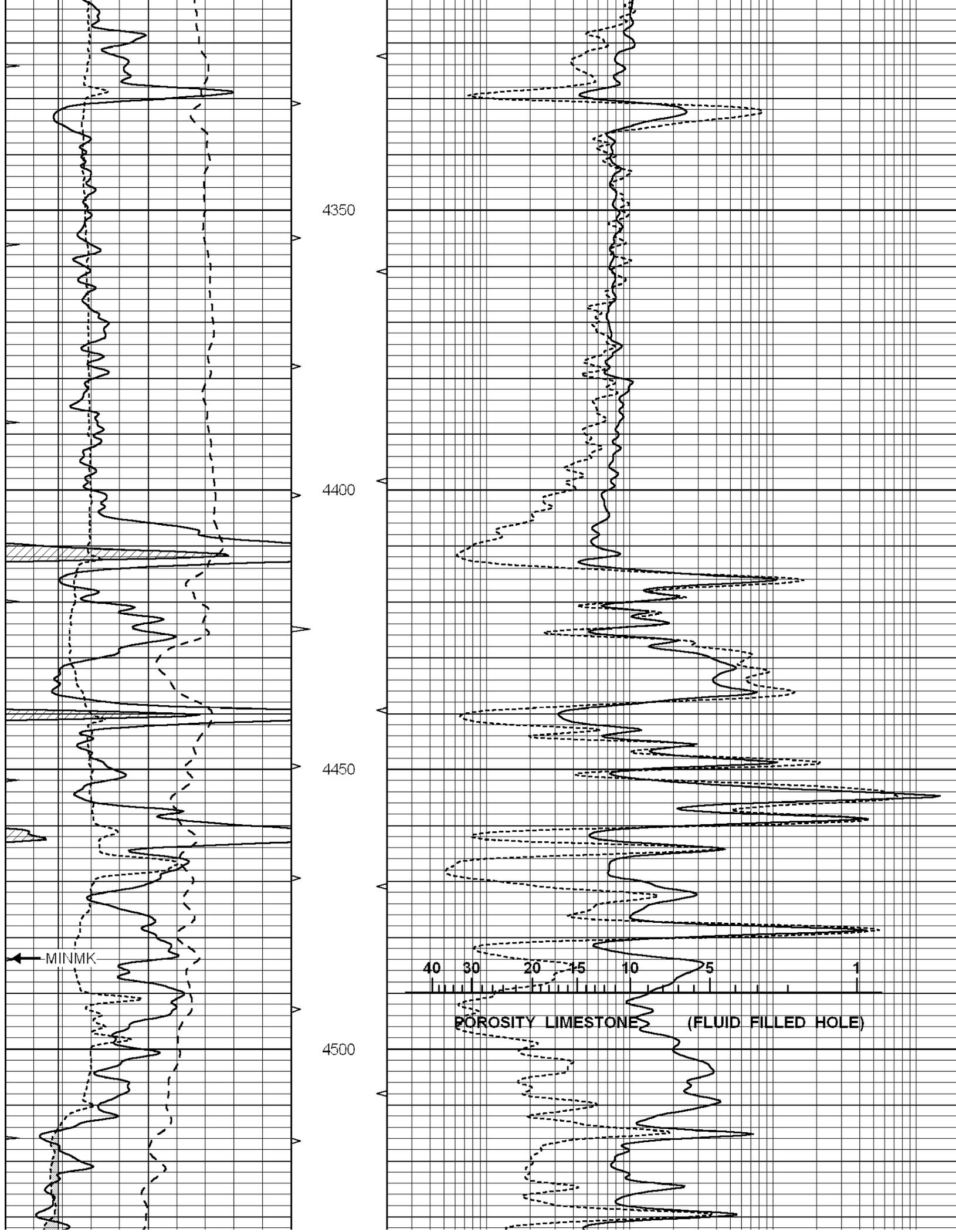
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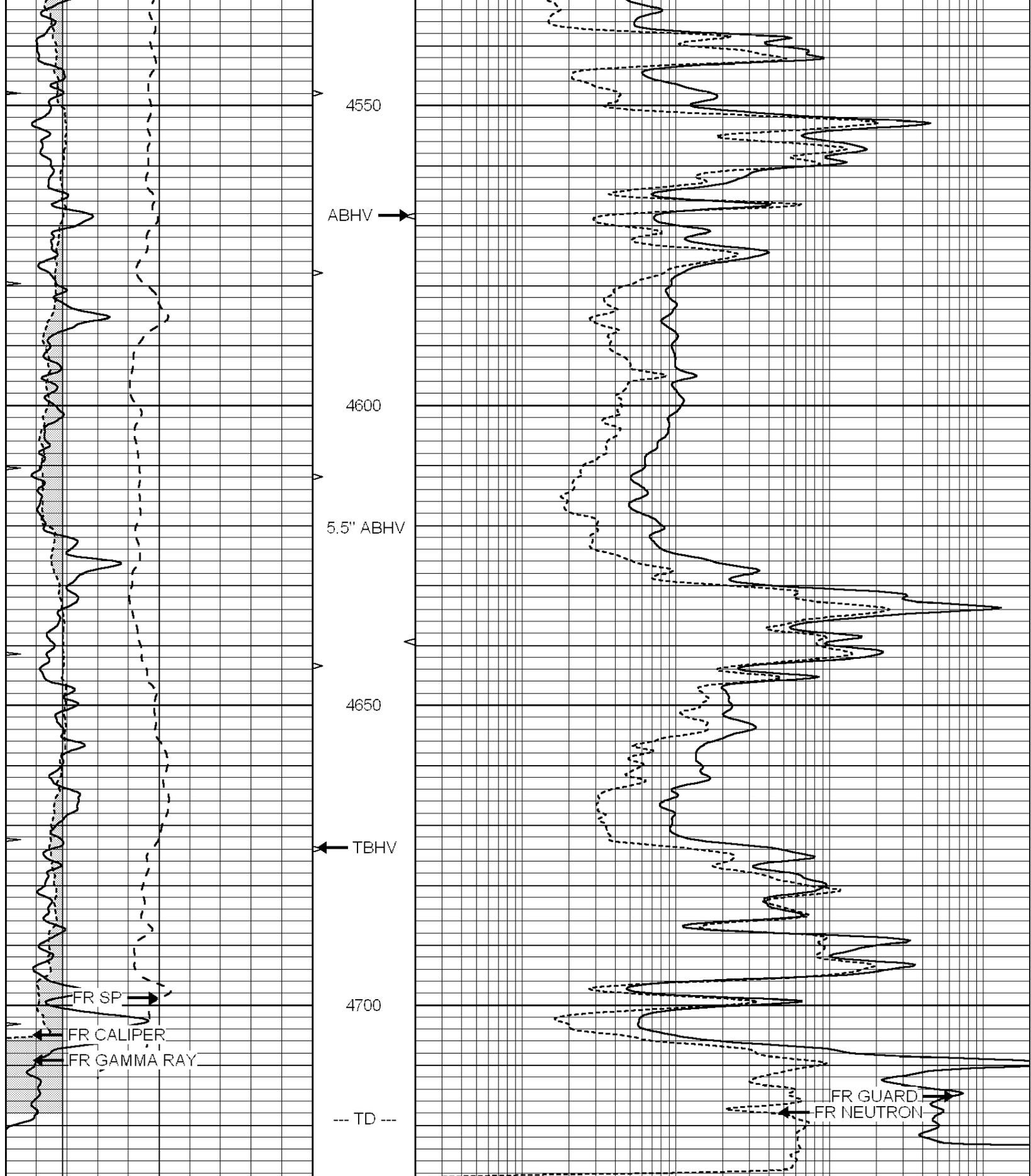
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4300







0	GAMMA RAY (GAPI)	150	ABHV	0.2	GUARD (Ohm-m)	2000
-100	SP (mV)	100	10 (ft3)	0	NEUTRON (NAPI)	1000
6	CALIPER (in)	16	TBHV			
			0 (ft3)	10		



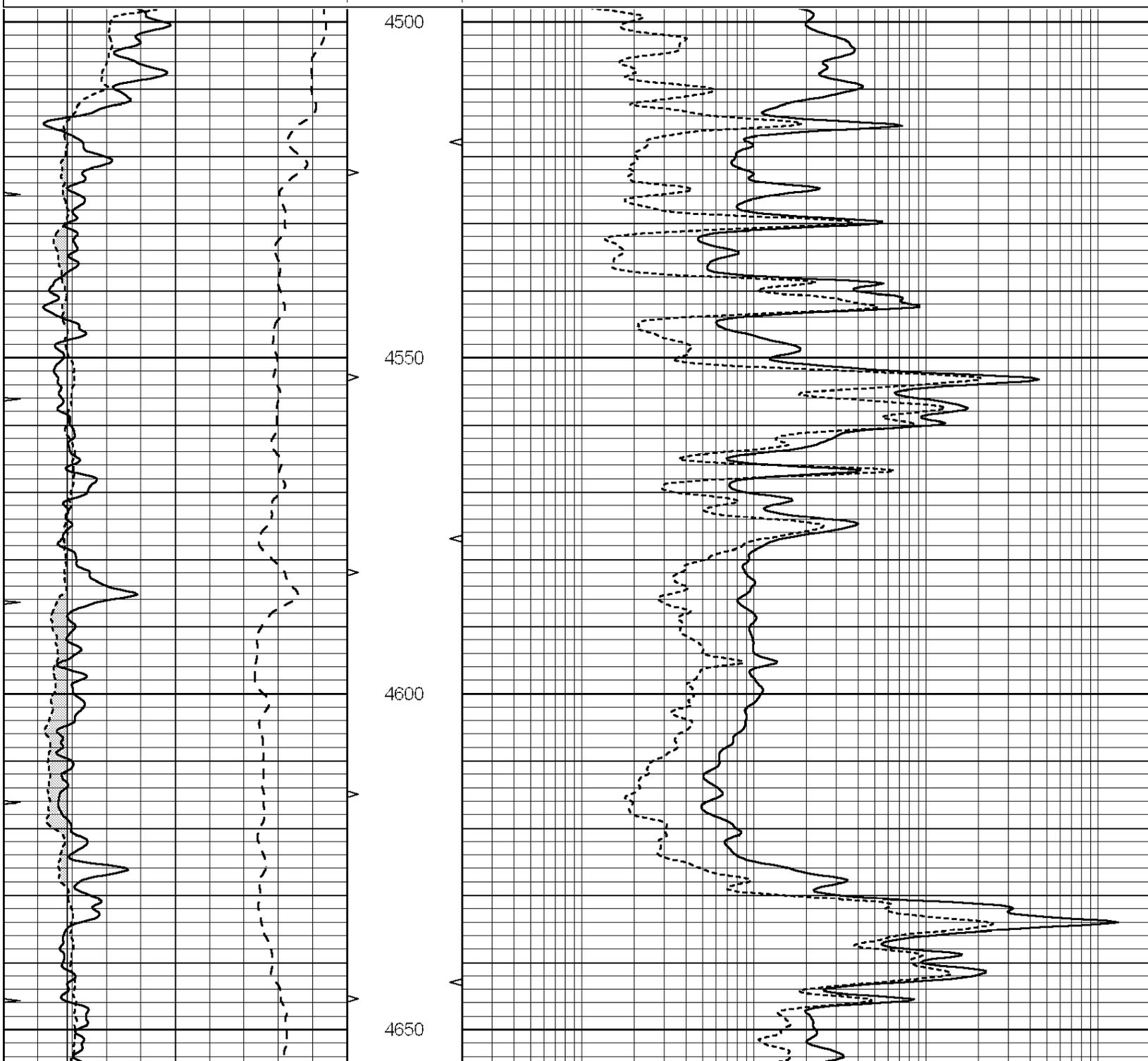
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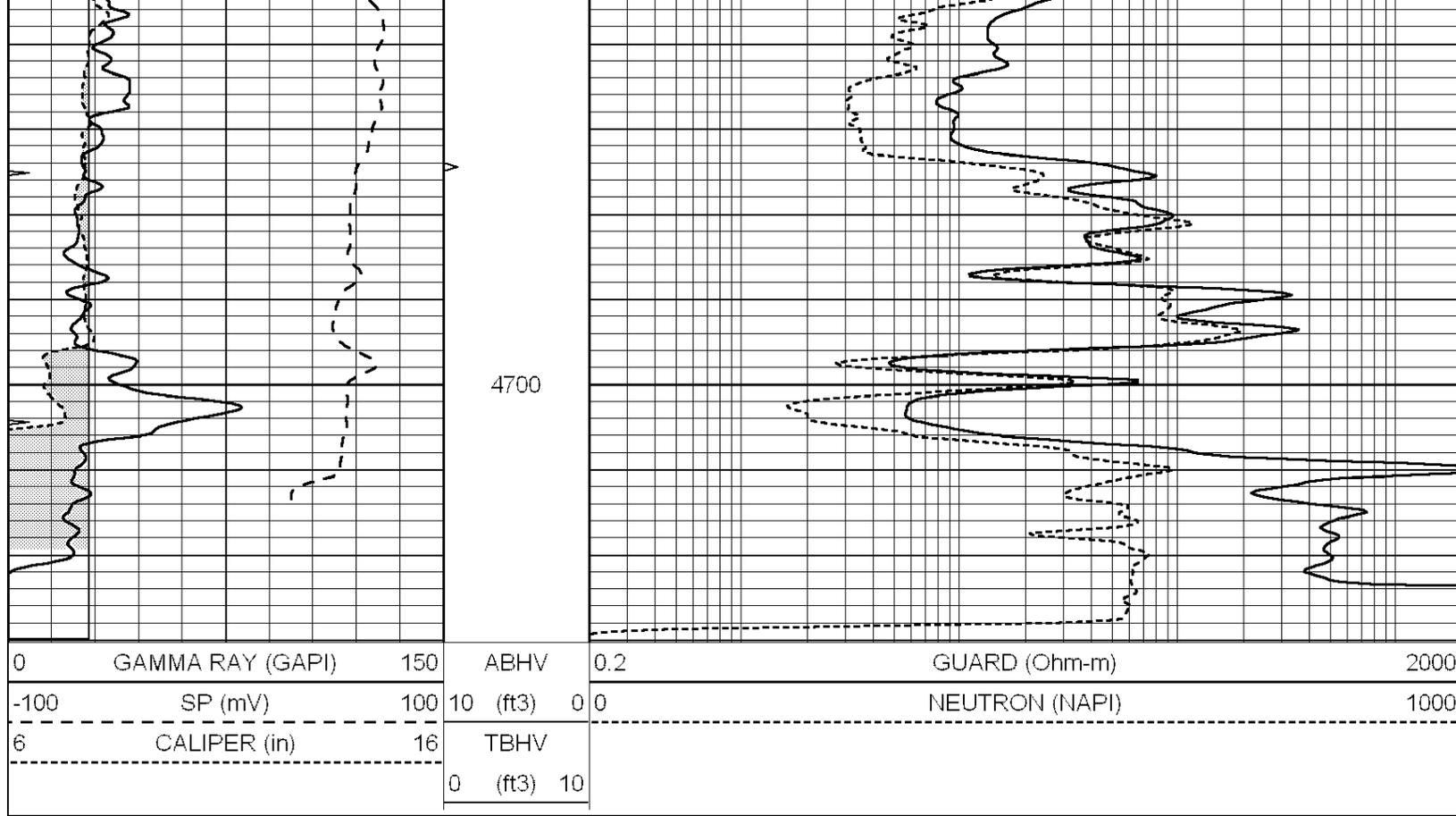
Hays,
Kansas

REPEAT SECTION

Database File: 006923rag.db
 Dataset Pathname: pass5.1A
 Presentation Format: rag
 Dataset Creation: Sat May 21 15:14:02 2011
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0.2	GUARD (Ohm-m)	2000
-100	SP (mV)	100	10 (ft3)	0	NEUTRON (NAPI)	1000
6	CALIPER (in)	16	TBHV			
			0 (ft3)	10		





Calibration Report

Database File: 006923rag.db
 Dataset Pathname: pass6.1A
 Dataset Creation: Sat May 21 15:18:49 2011 by Calc Open-Cased 090629

Neutron Calibration Report

Serial Number: RAG1
 Tool Model: RAG
 Performed: Sat May 21 14:28:24 2011

Calibrator Values: 0 1 NAPI
 Calibrator Readings: 0 1 cps

Sensitivity: 0.8 NAPI/cps

Micro Spherically Focused Log Calibration Report

Serial-Model: RAG1-A
 Performed: Sat May 21 14:28:35 2011

	Readings			References			Results	
	Low	High		Low	High		m	b
Conductivity	0.0110	0.9000	V	10.0000	1000.0000	mmho	1400.0000	-6.0000
Caliper	0.1837	0.3151	V	7.4000	16.0000	in	65.4724	-4.6279

Gamma Ray Calibration Report

Serial Number: RAG1
 Tool Model: RAG
 Performed: Sat May 21 14:28:08 2011

Calibrator Value: 1.0 GAPI

Background Reading: 0.9 cps

Calibrator Reading:

1.0

cps

Sensitivity:

0.8000

GAPI/cps