

**SUPERIOR  
Hays,  
Kansas**

**DUAL  
INDUCTION  
LOG**

Company CORAL COAST PETROLEUM, L.C.  
Well STEPHENS #2  
Field MORRISON N.E.  
County CLARK  
State KANSAS

Company CORAL COAST PETROLEUM, L.C.  
Well STEPHENS #2  
Field MORRISON N.E.  
County CLARK State KANSAS

Location: API #: 15-025-21527  
1170' FSL & 890' FWL  
SEC 15 TWP 32S RGE 21W  
Permanent Datum GROUND LEVEL Elevation 2053  
Log Measured From KELLY BUSHING 10' A.G.L.  
Drilling Measured From KELLY BUSHING  
Other Services  
CDL/CNL/PE  
SONIC/MEL  
Elevation  
K.B. 2063  
D.F.  
G.L. 2053

Date	8-12-11
Run Number	ONE
Depth Driller	6750
Depth Logger	6749
Bottom Logged Interval	6747
Top Log Interval	00
Casing Driller	681
Casing Logger	681
Bit Size	7.875
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.0 / 53
pH / Fluid Loss	10.0 / 9.0
Source of Sample	FLOWLINE
Rim @ Meas. Temp	0.50 @ 98F
Rmf @ Meas. Temp	0.38 @ 98F
Rmc @ Meas. Temp	0.60 @ 98F
Source of Rmf / Rmc	MEASURED
Rim @ BHT	.350 @ 142F
Time Circulation Stopped	3 HOURS
Time Logger on Bottom	2:15 P.M.
Maximum Recorded Temperature	142F
Equipment Number	860
Location	HAYS, KS.
Recorded By	RUPP
Witnessed By	KEITH REAVIS

<<< Fold Here >>>

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: BUCKLIN, S TO C.L., S FURTHER TO RD. "R", 4E, 2N, W INTO.



**SUPERIOR  
Hays,  
Kansas**

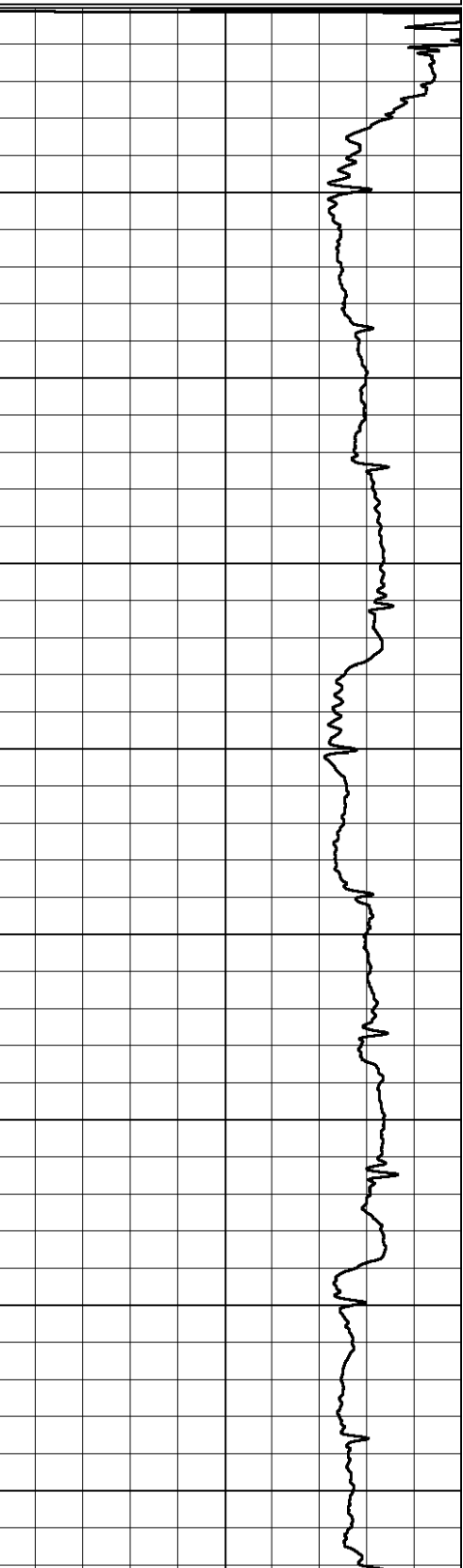
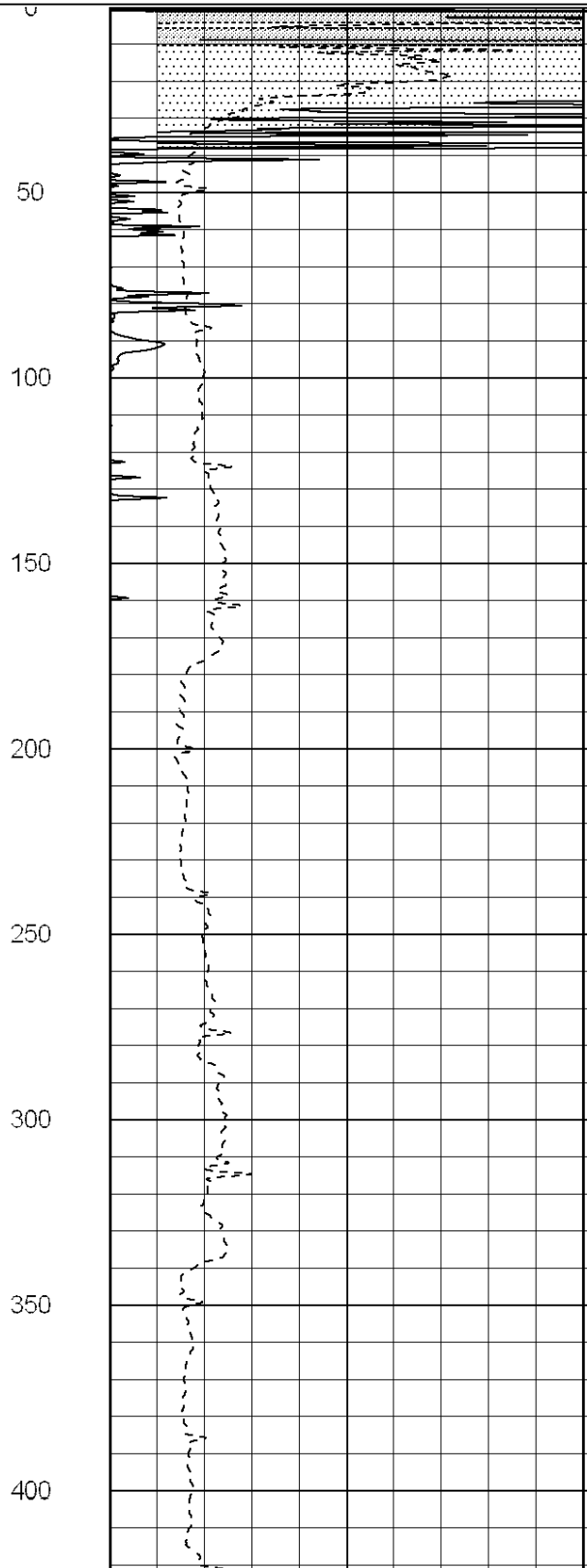
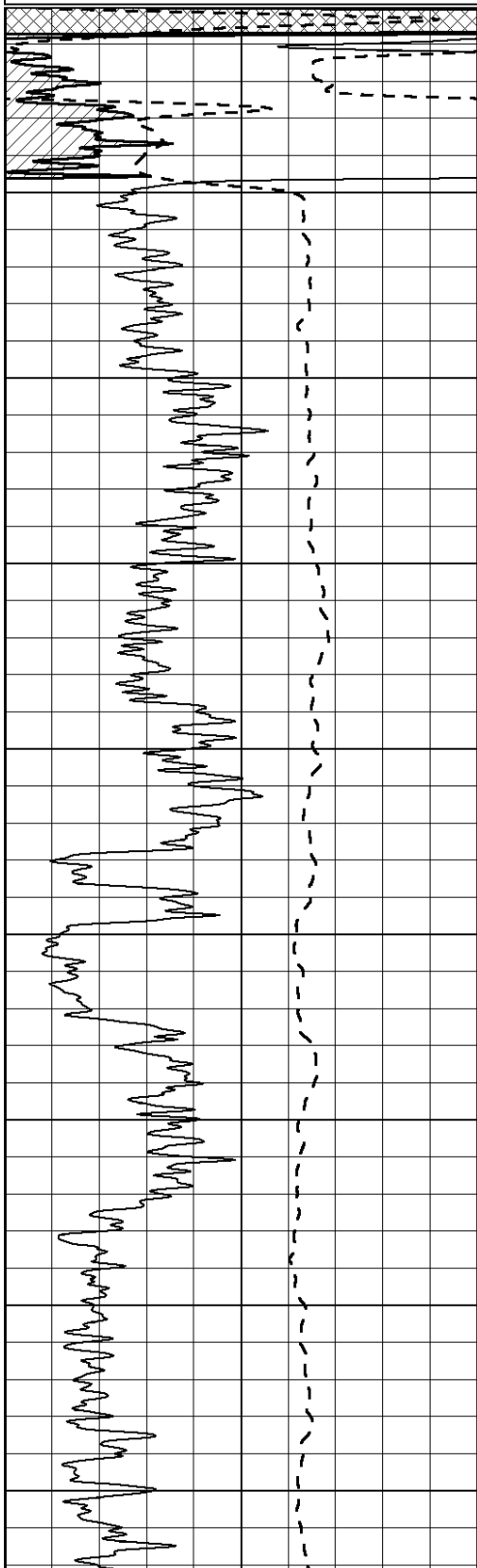
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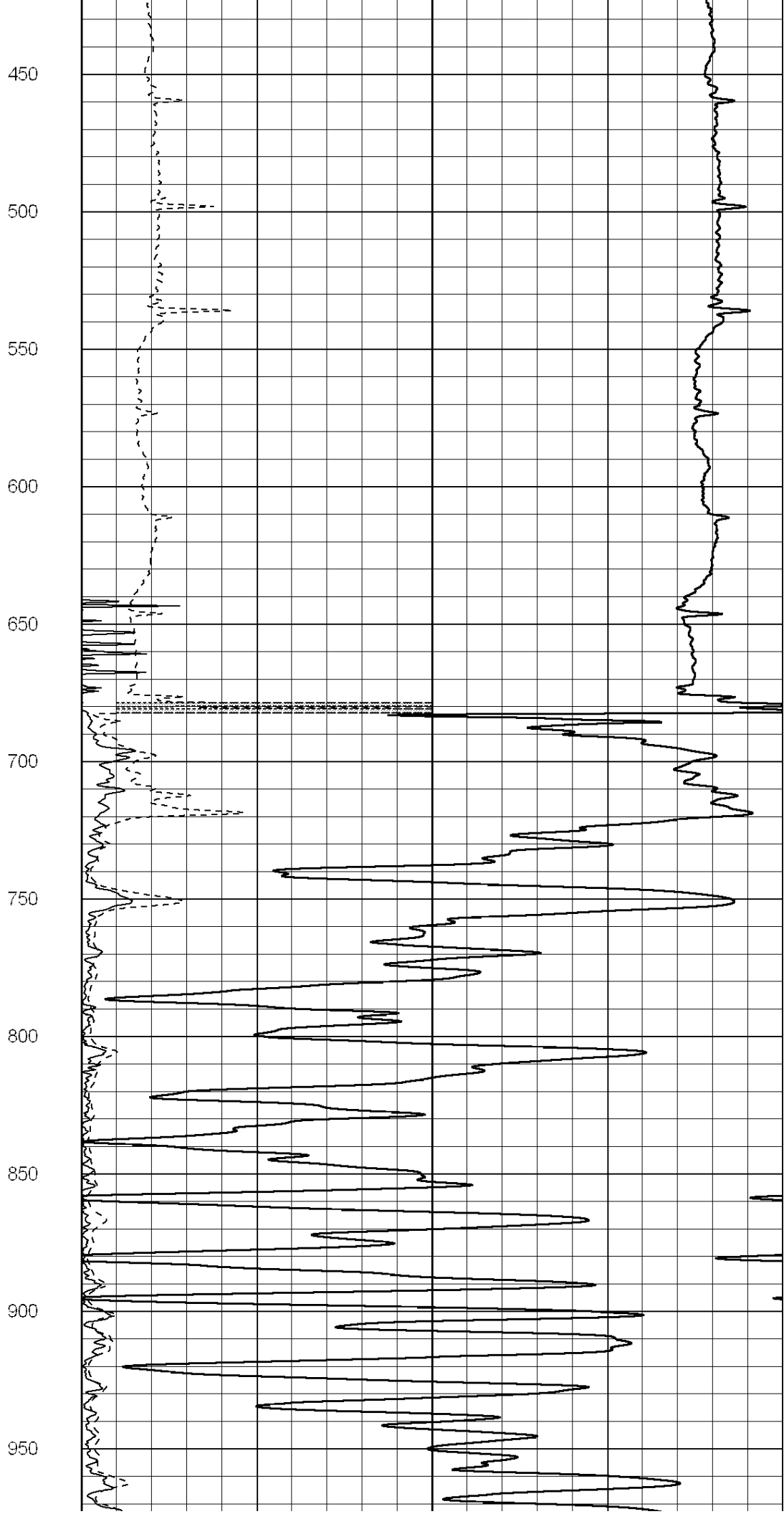
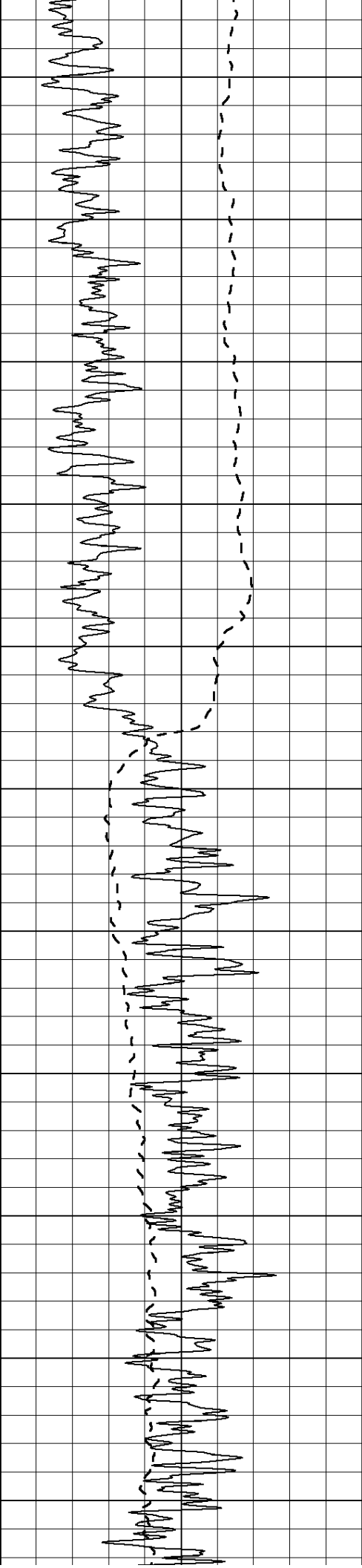
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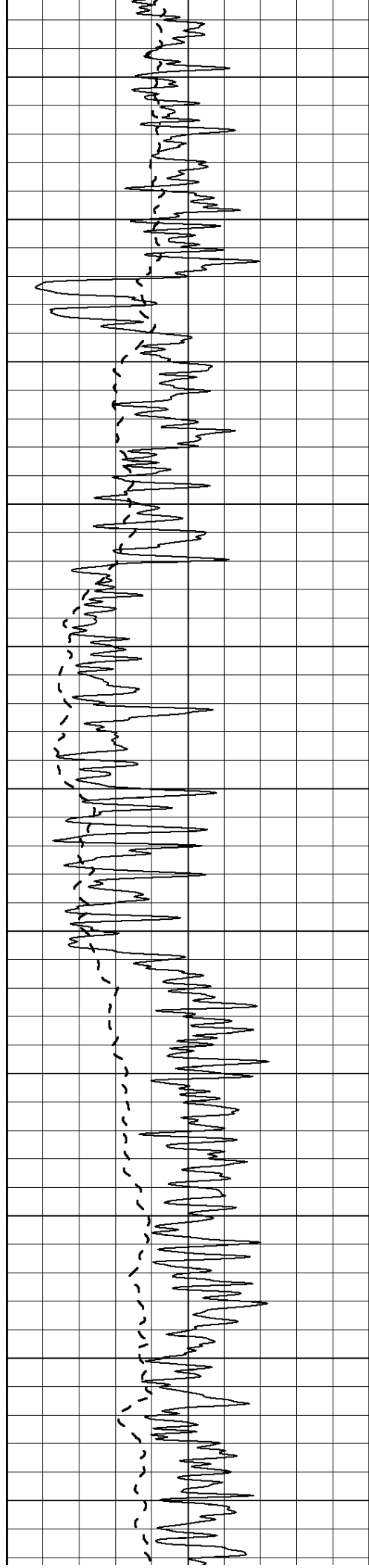
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-100	SP (mV)	100

0	RLL3 (Ohm-m)	50
0	Deep Induction (Ohm-m)	50

1000	CILD (mmho/m)	0
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500







1000

1050

1100

1150

1200

1250

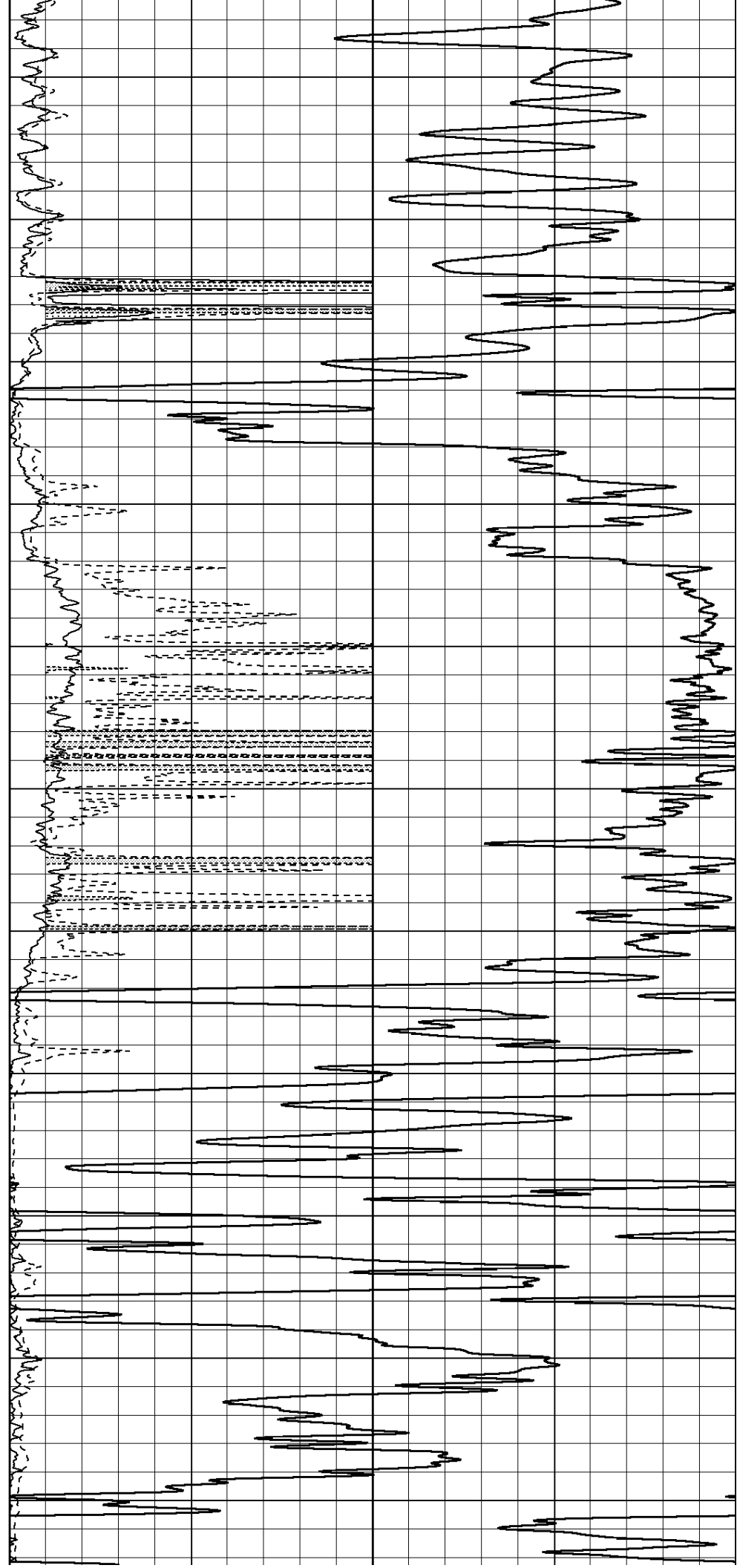
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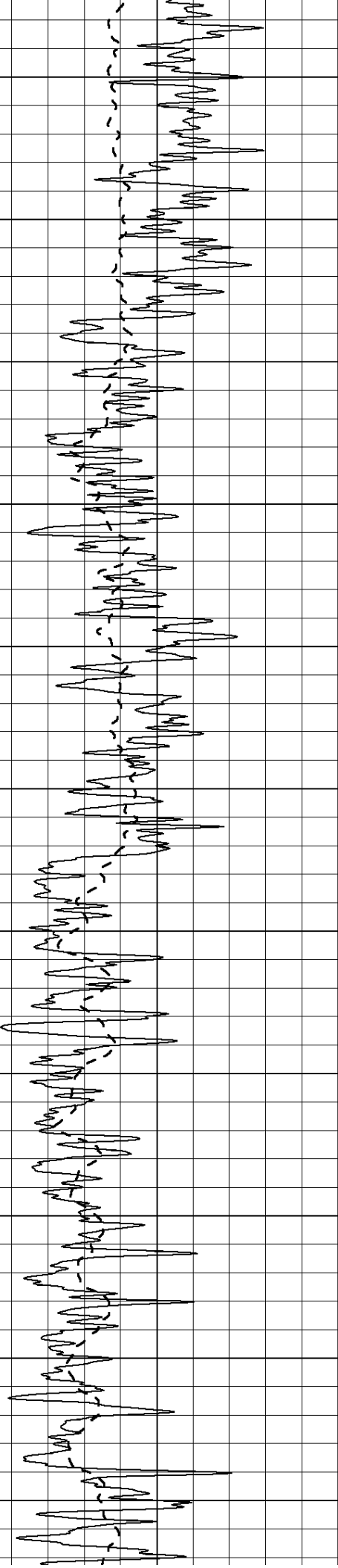
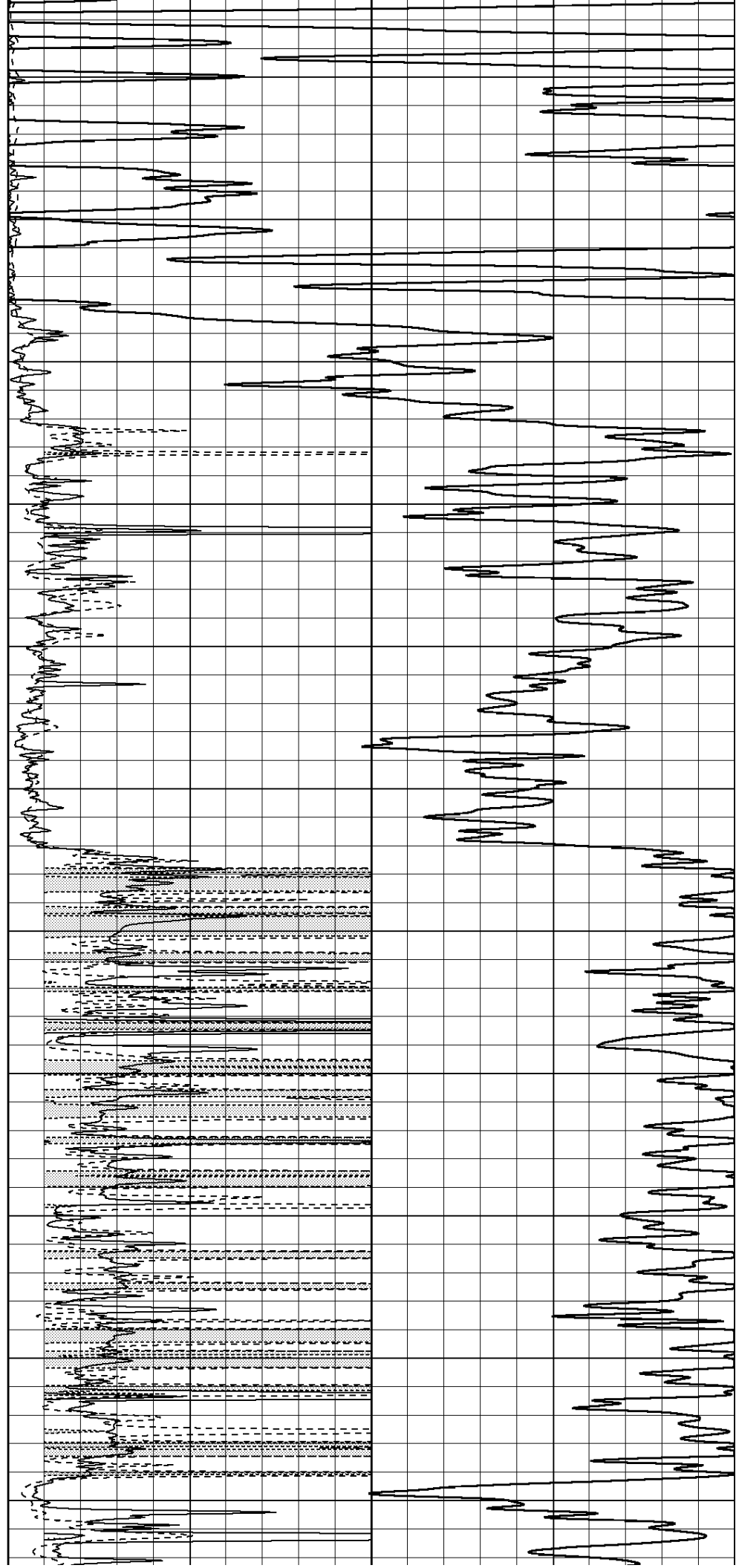
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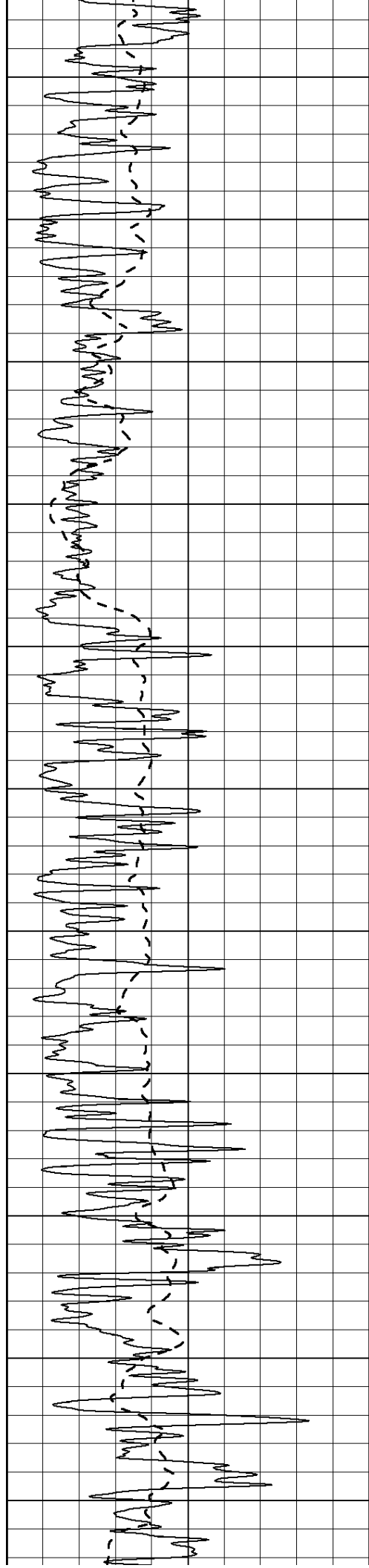
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1500



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1600  
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2100

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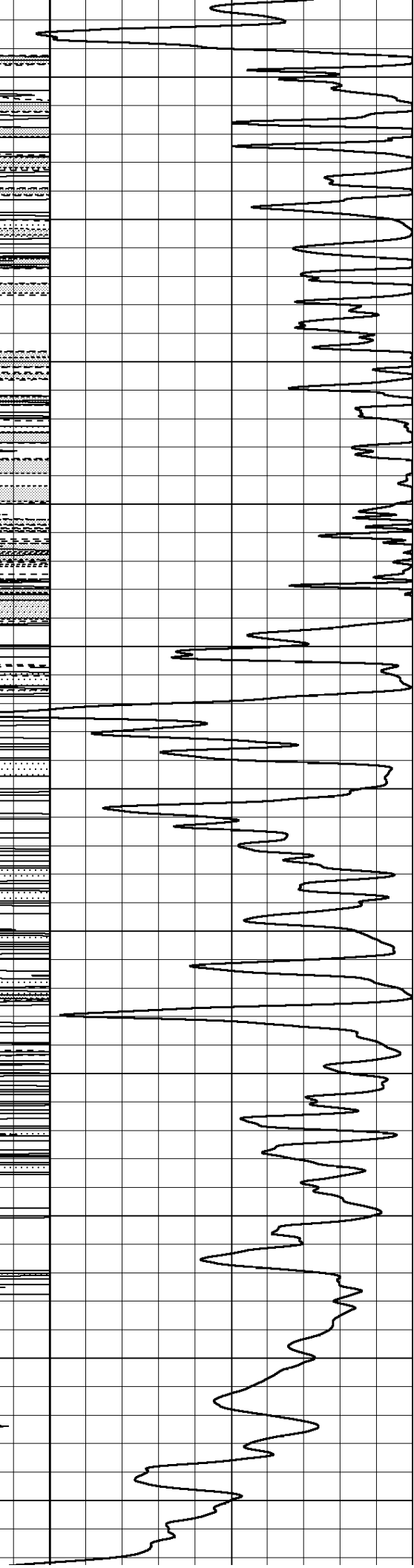
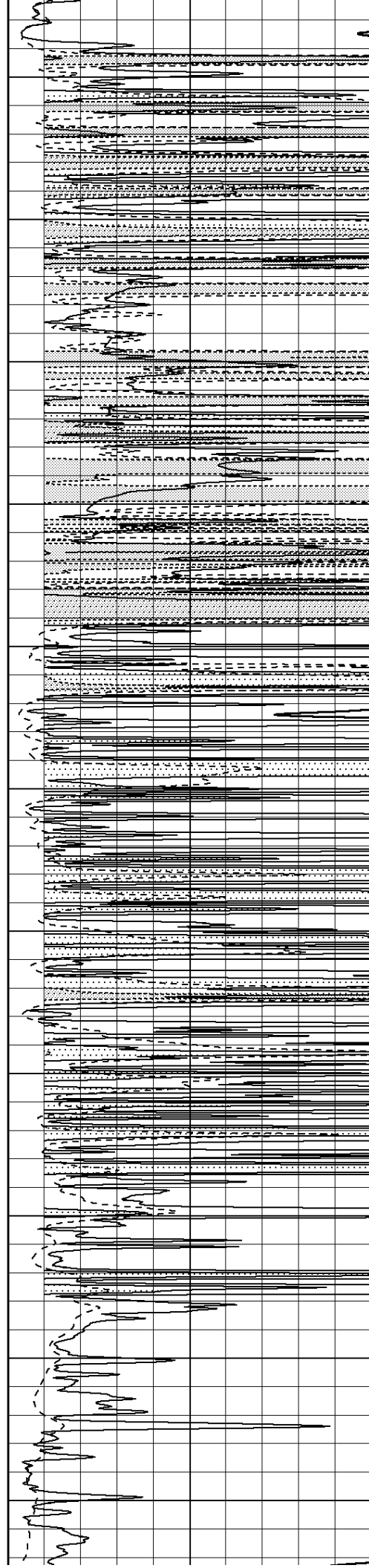
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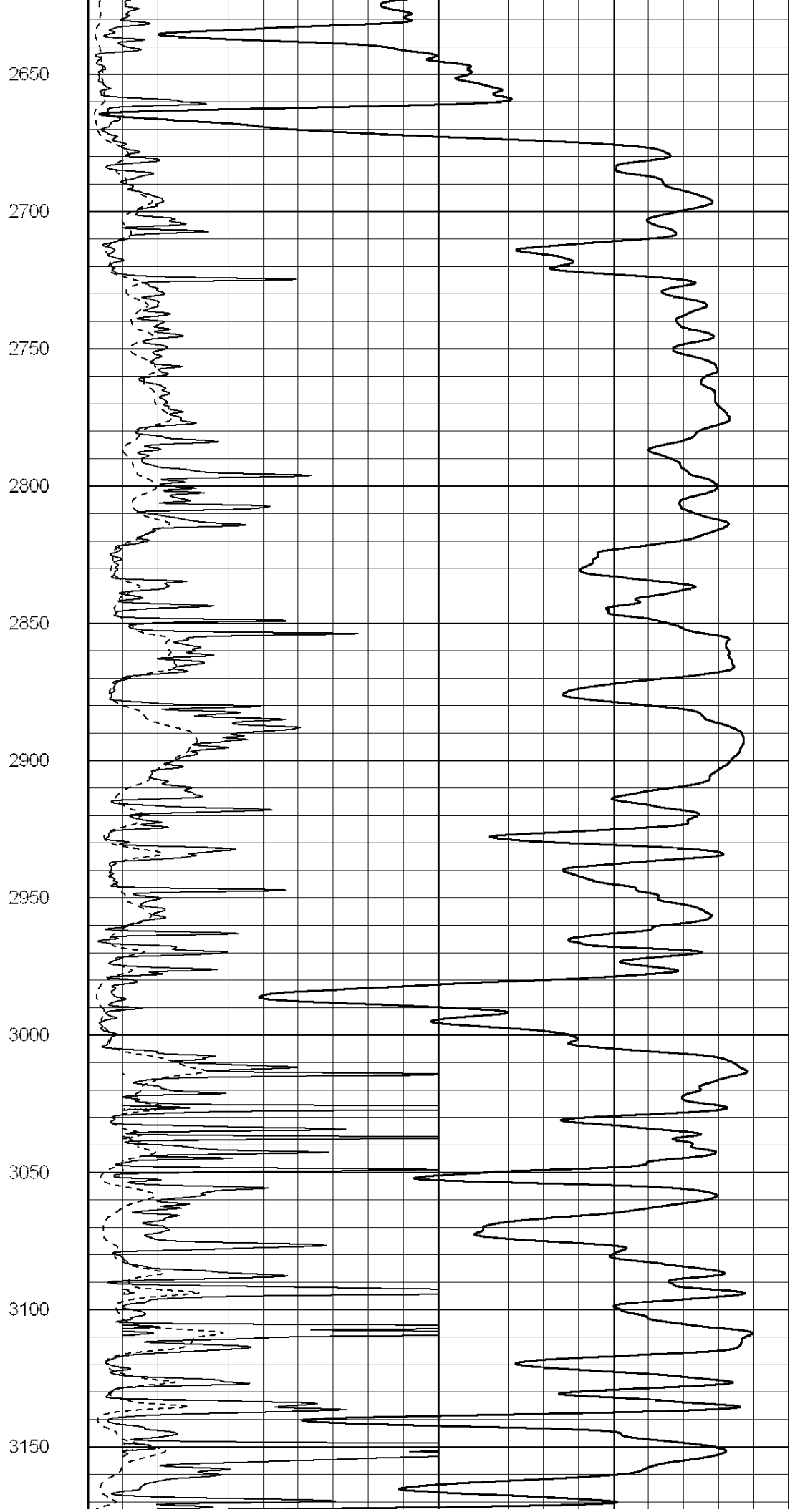
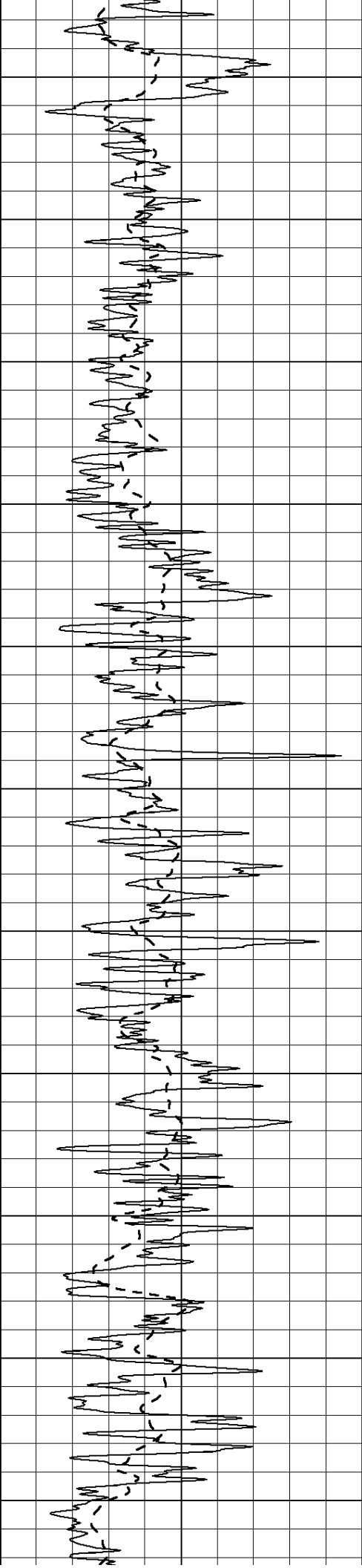
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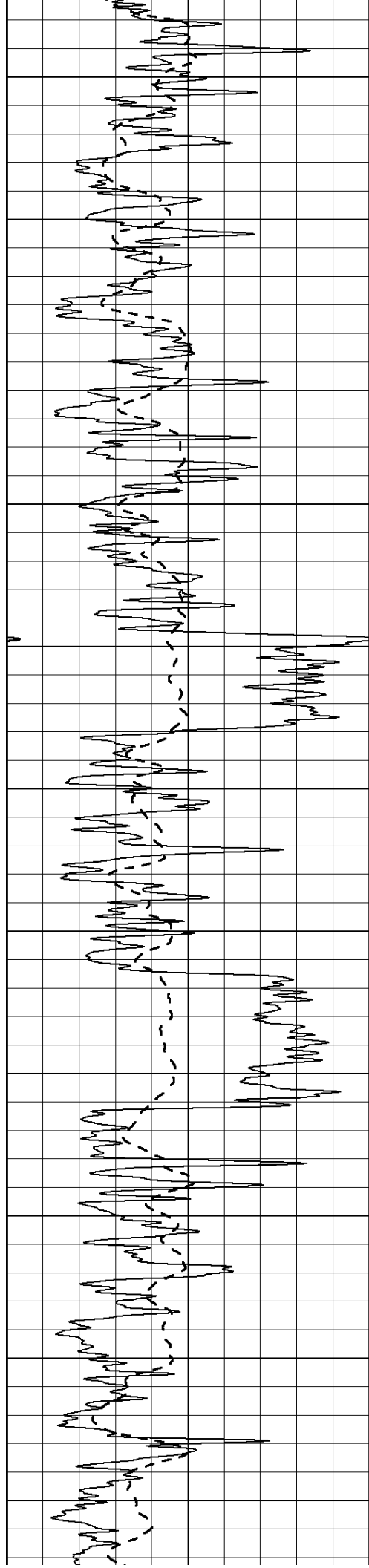
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2600







3200

3250

3300

3350

3400

3450

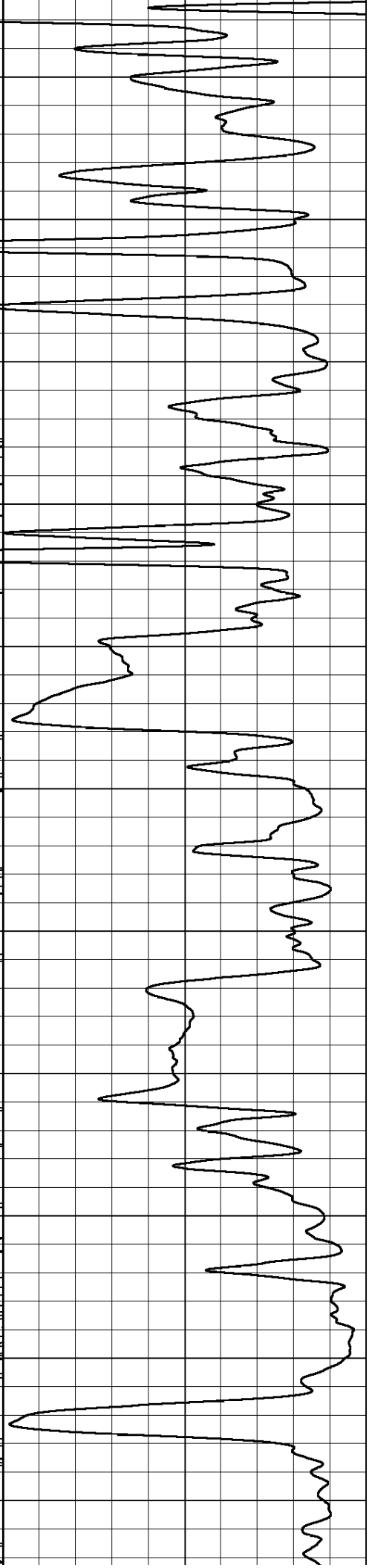
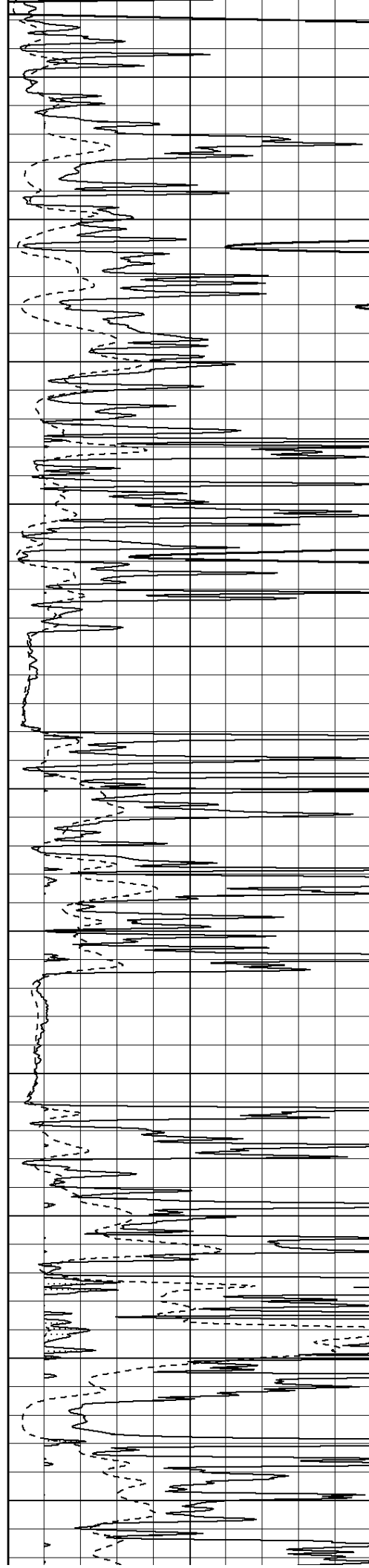
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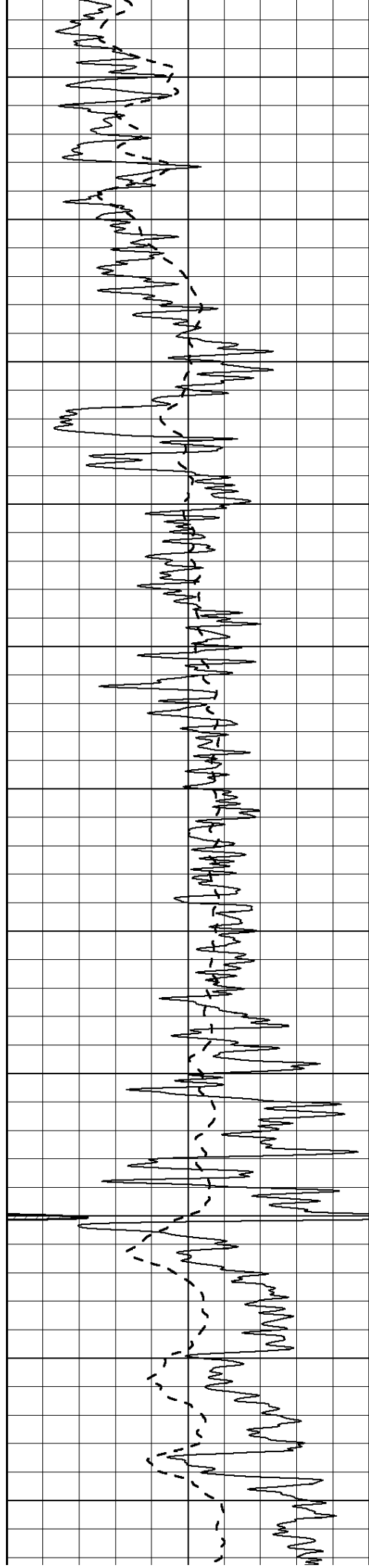
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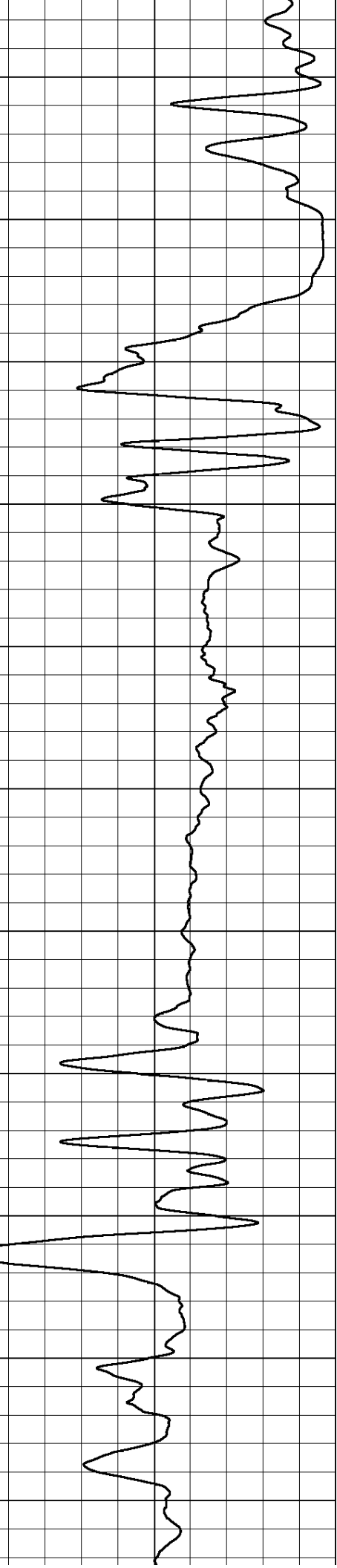
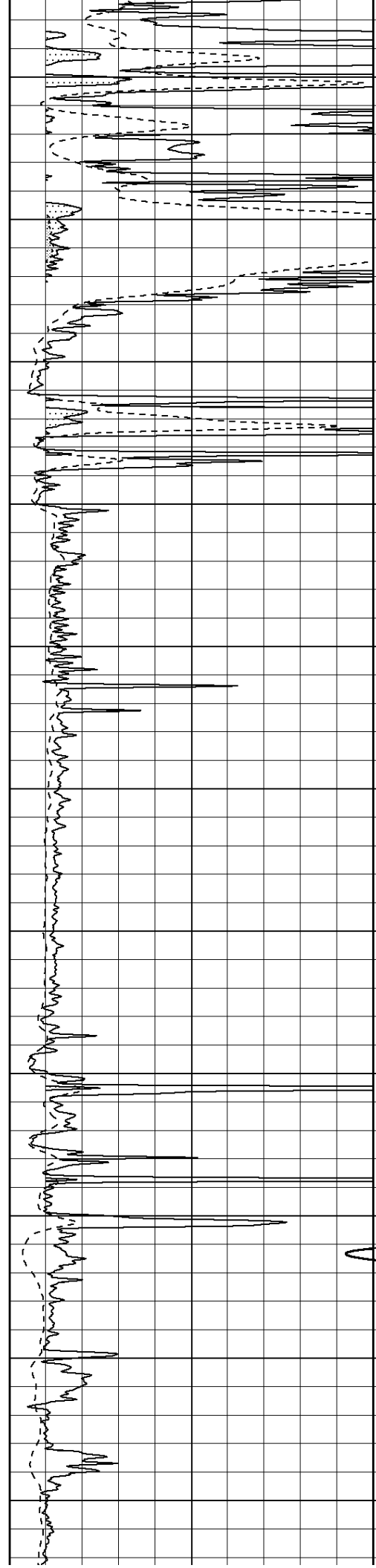
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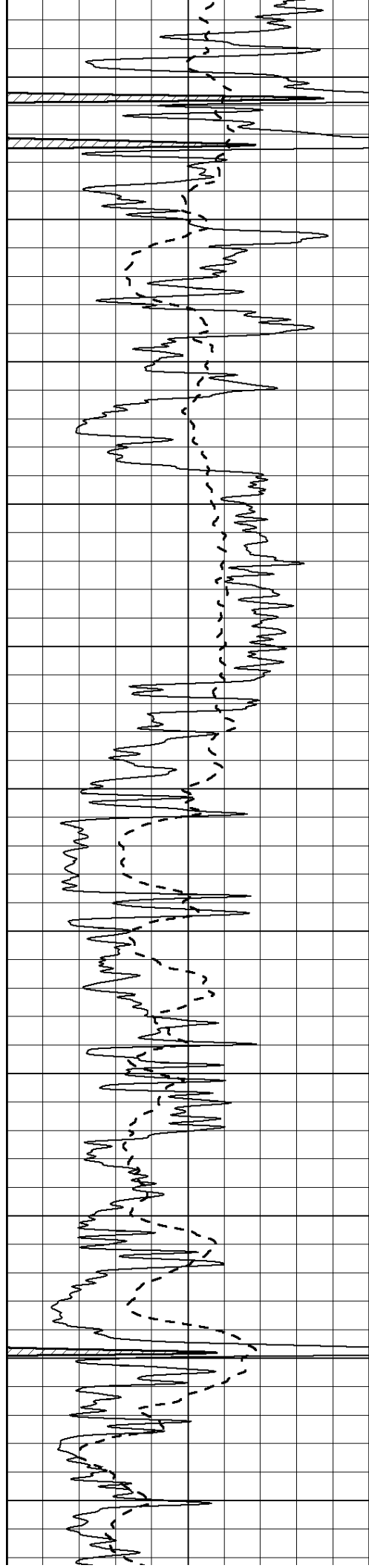
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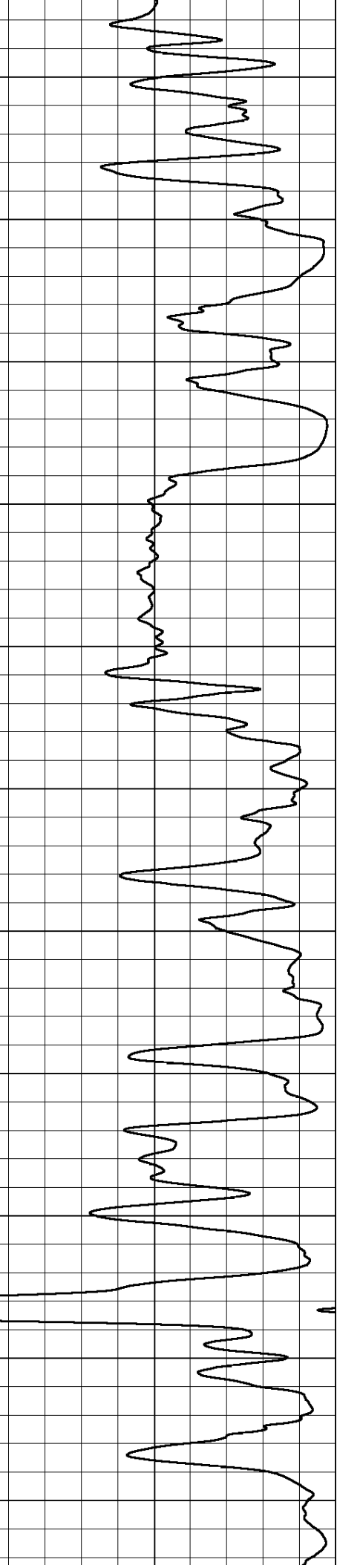
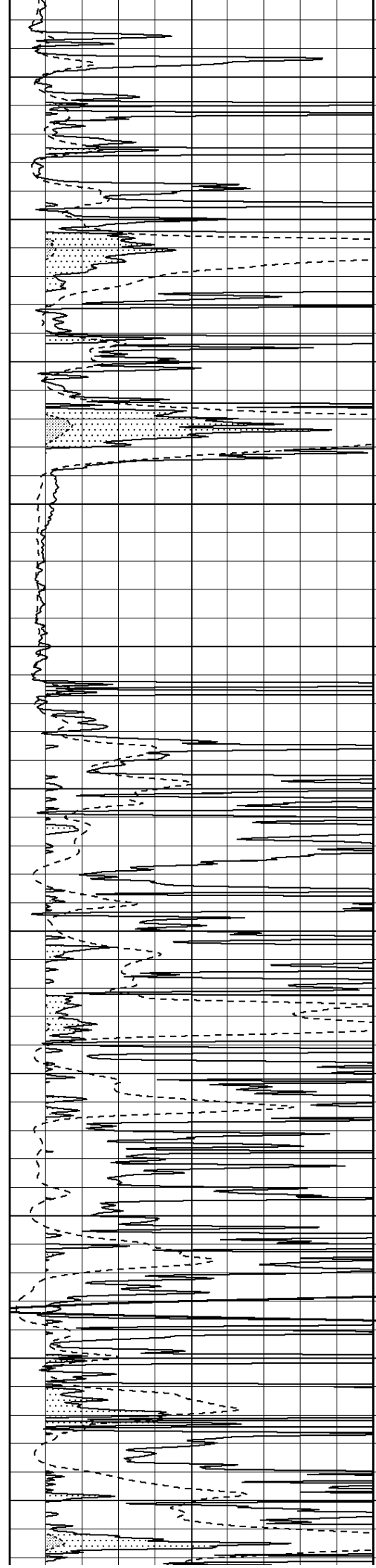
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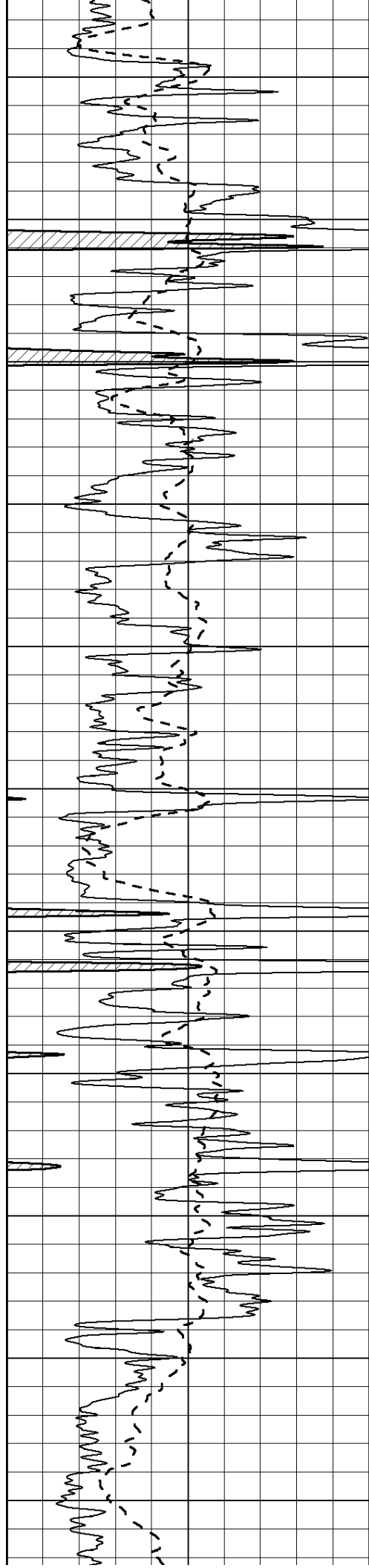
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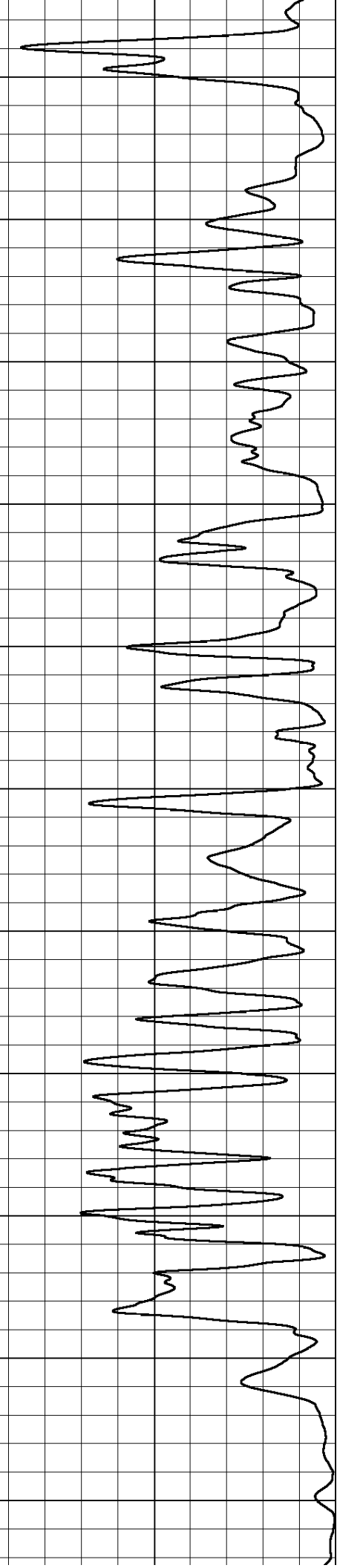
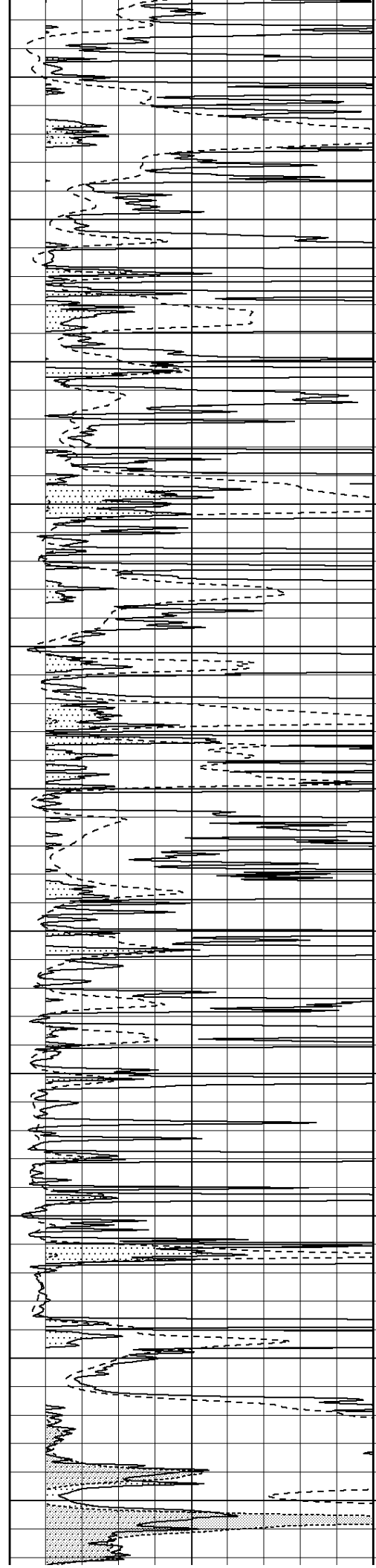
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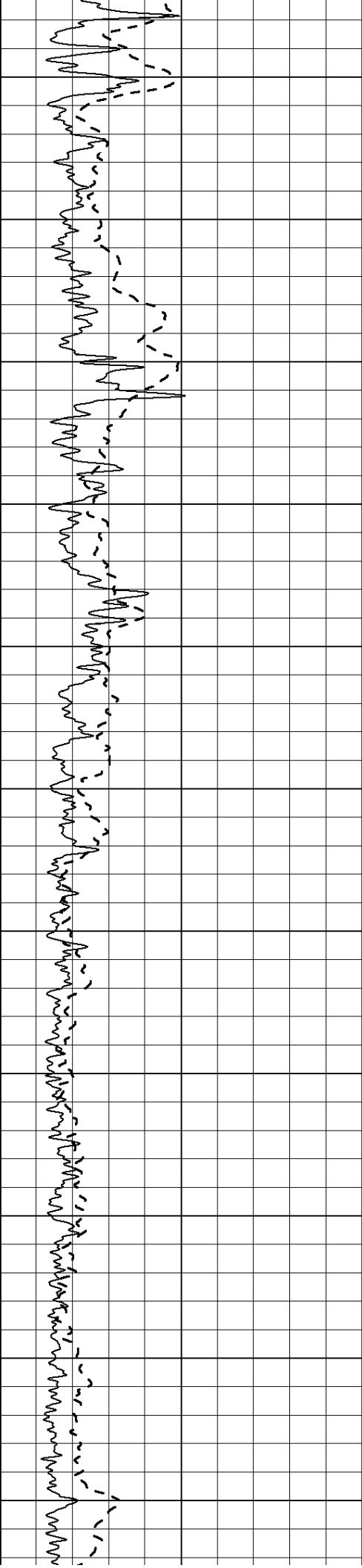
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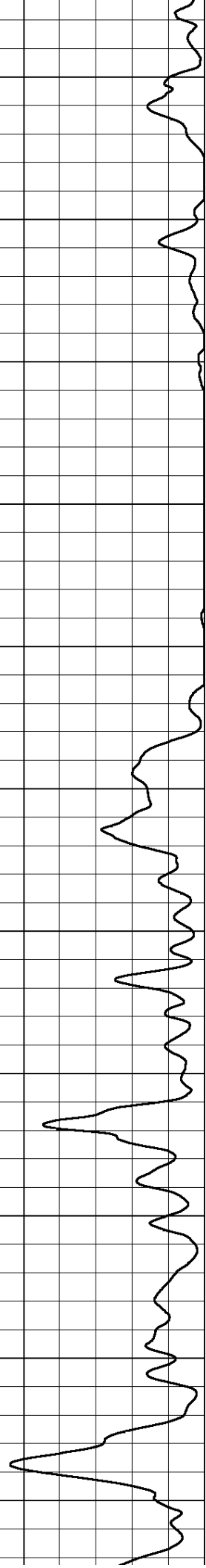
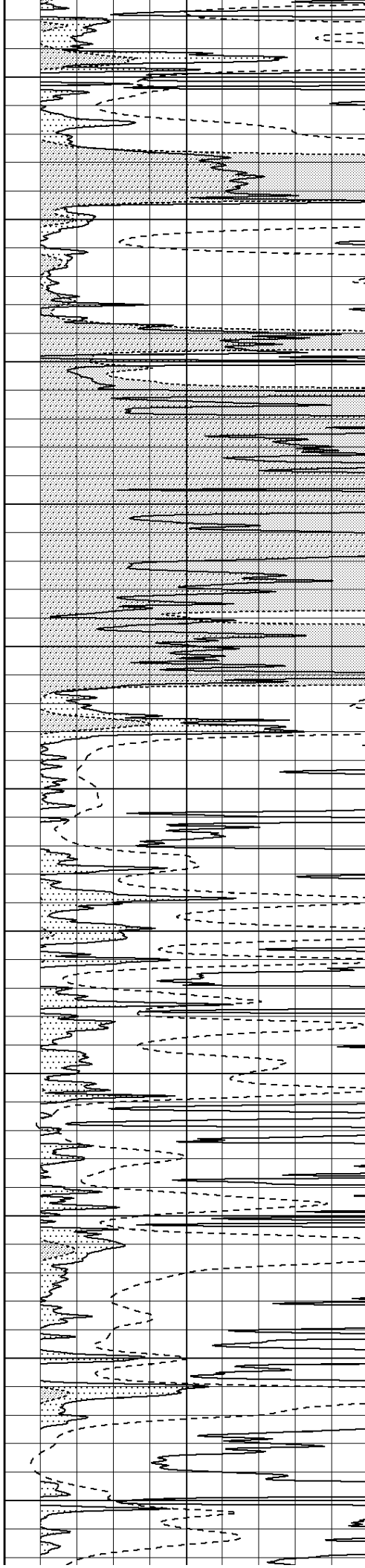
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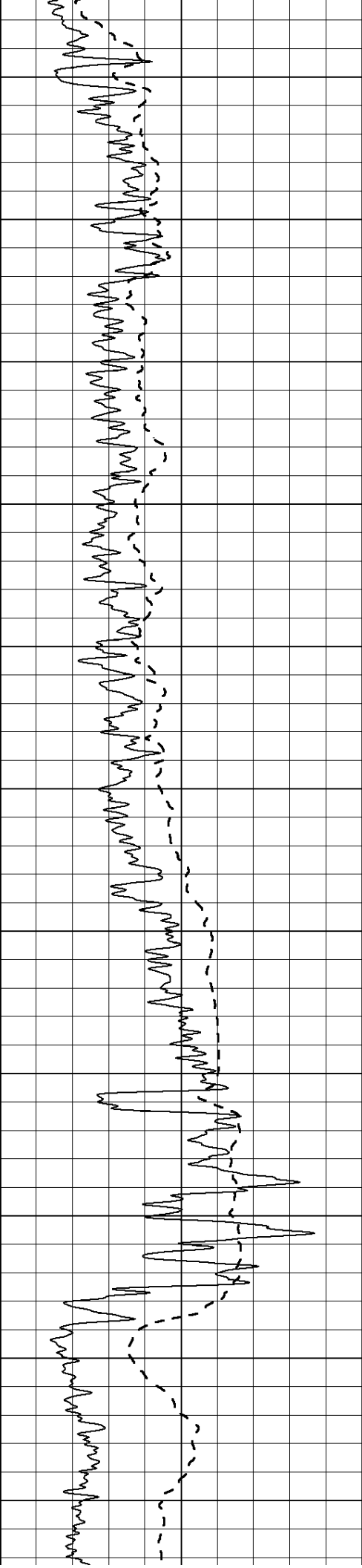
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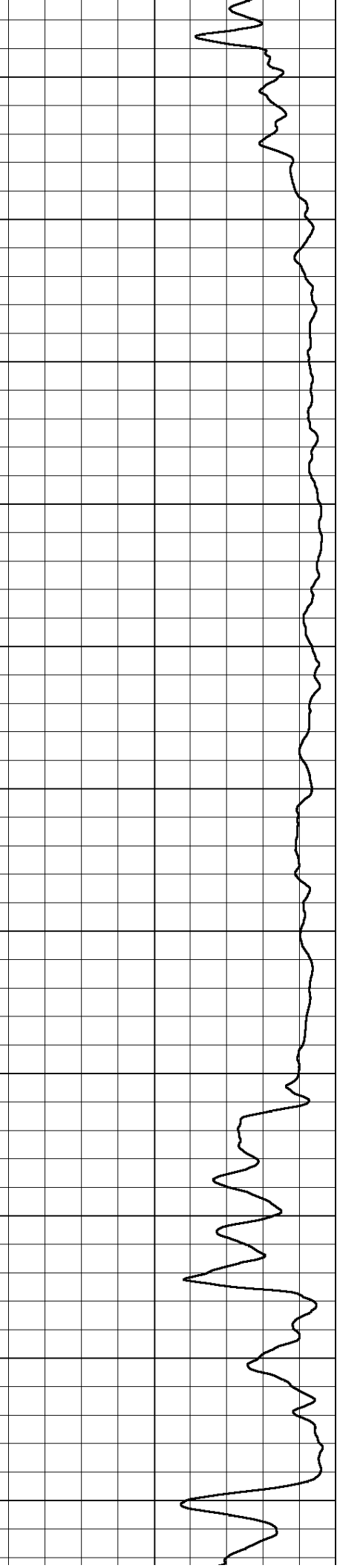
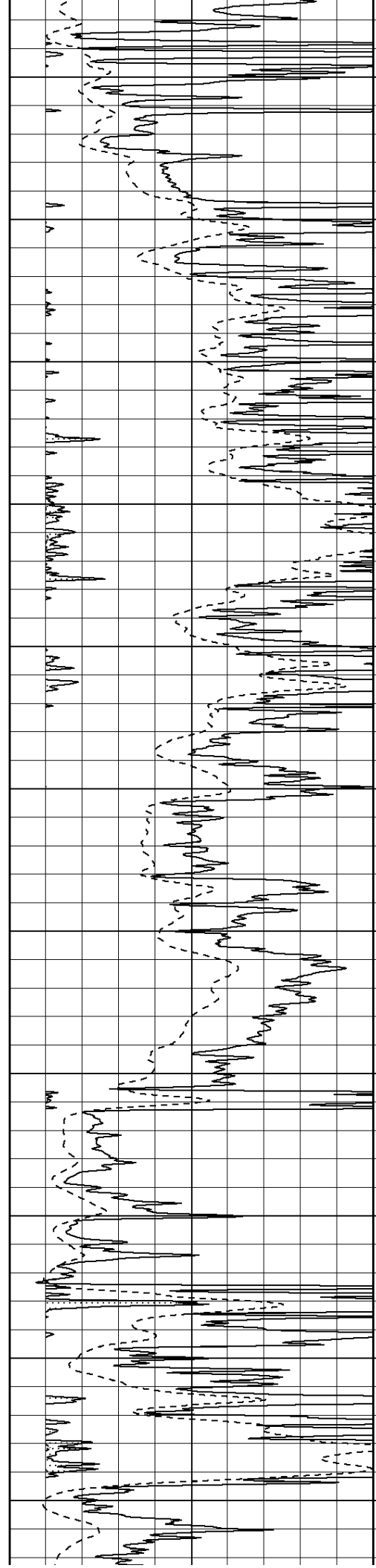
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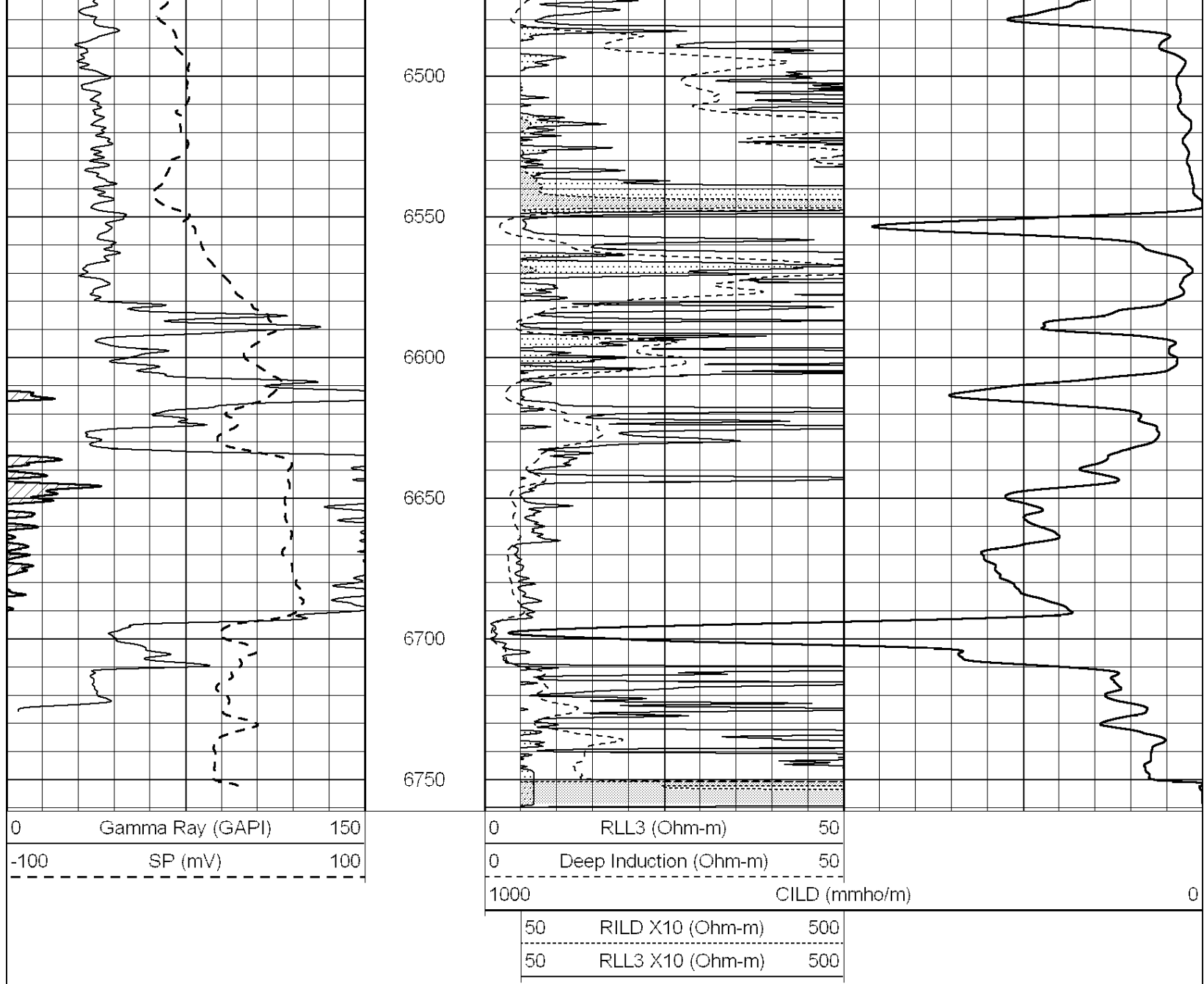
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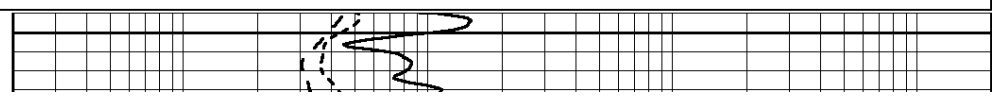
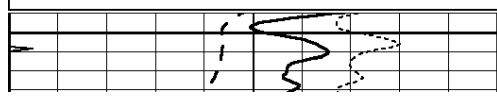
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Hays,  
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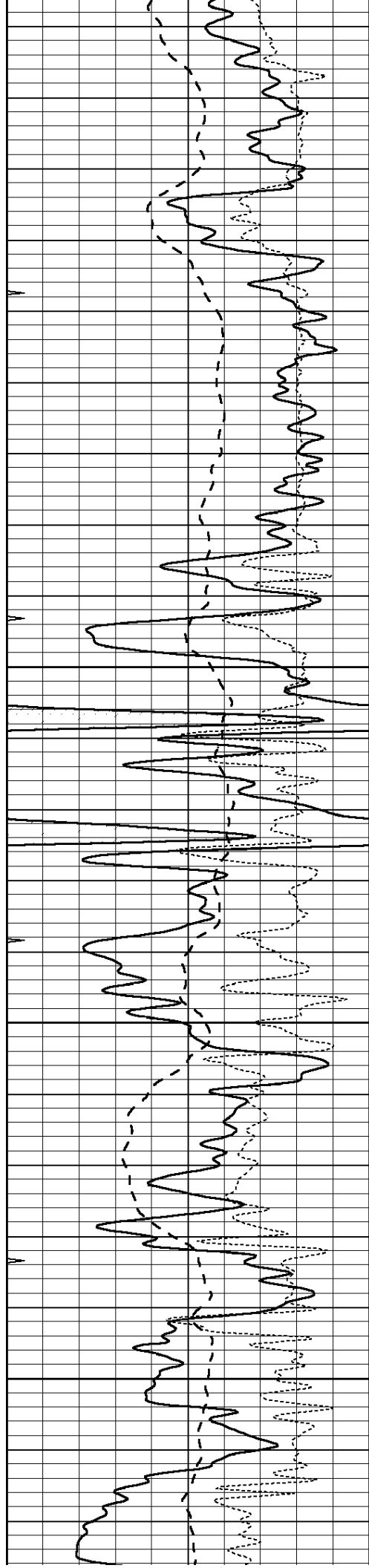
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 Dataset Creation: Fri Aug 12 16:48:18 2011  
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



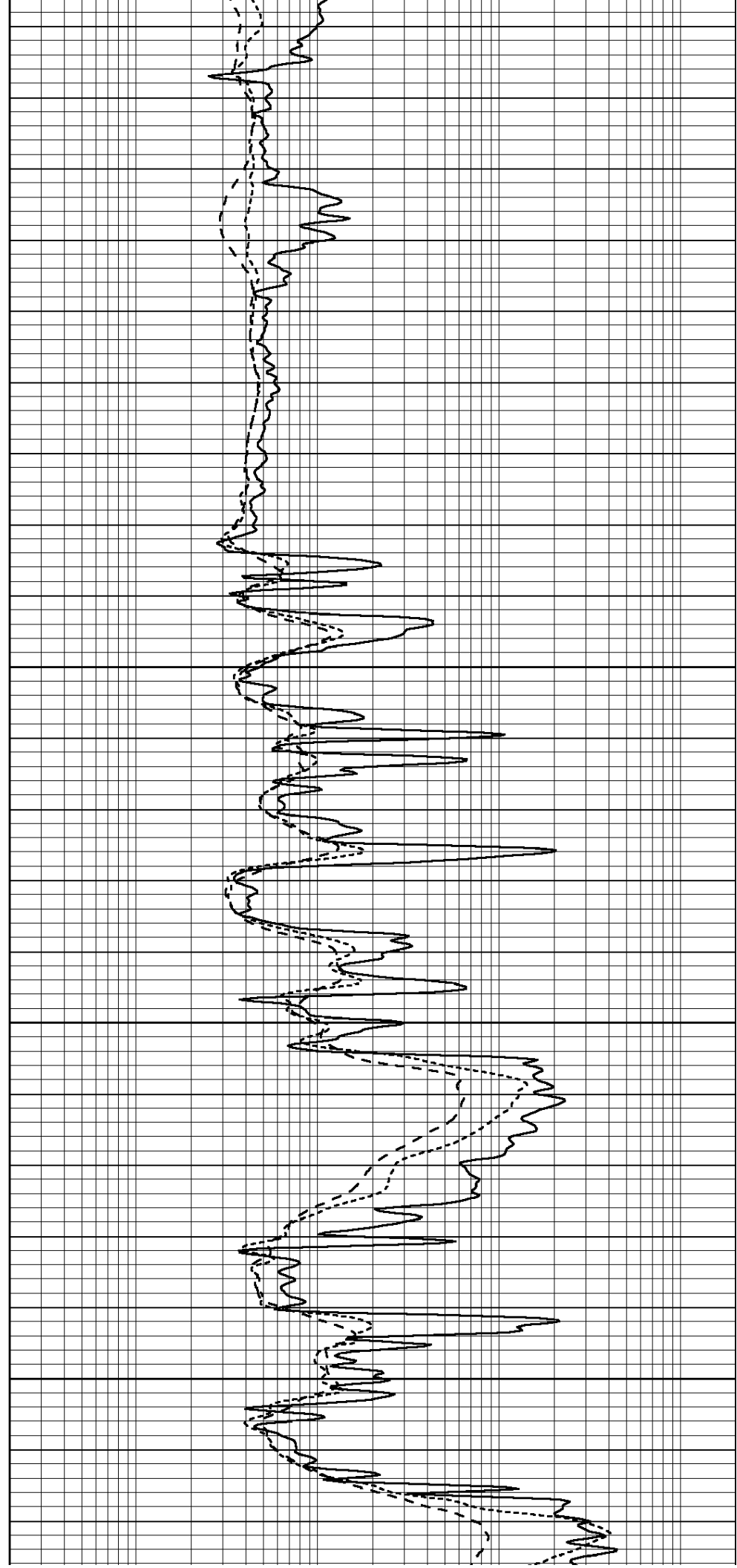


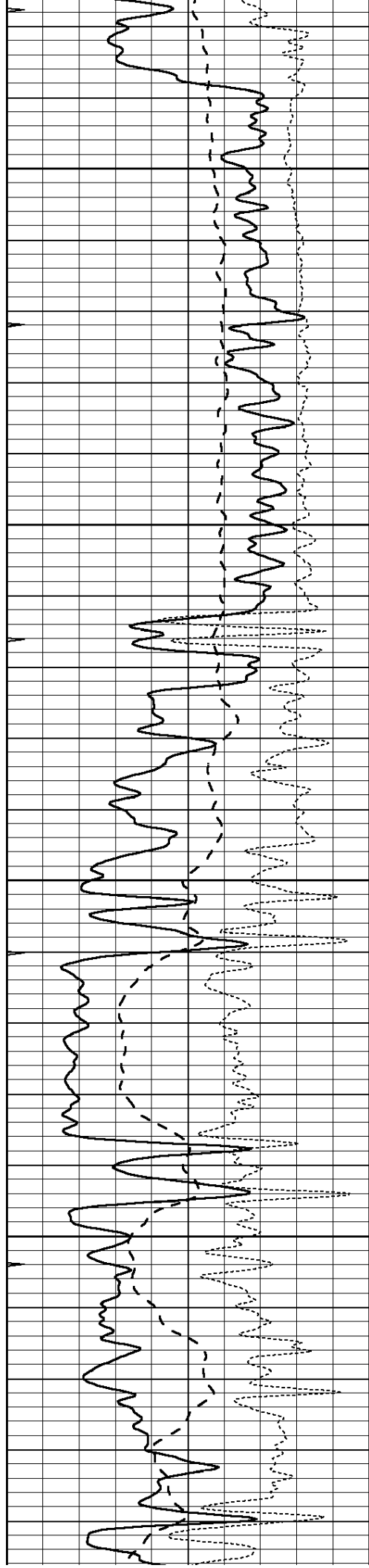
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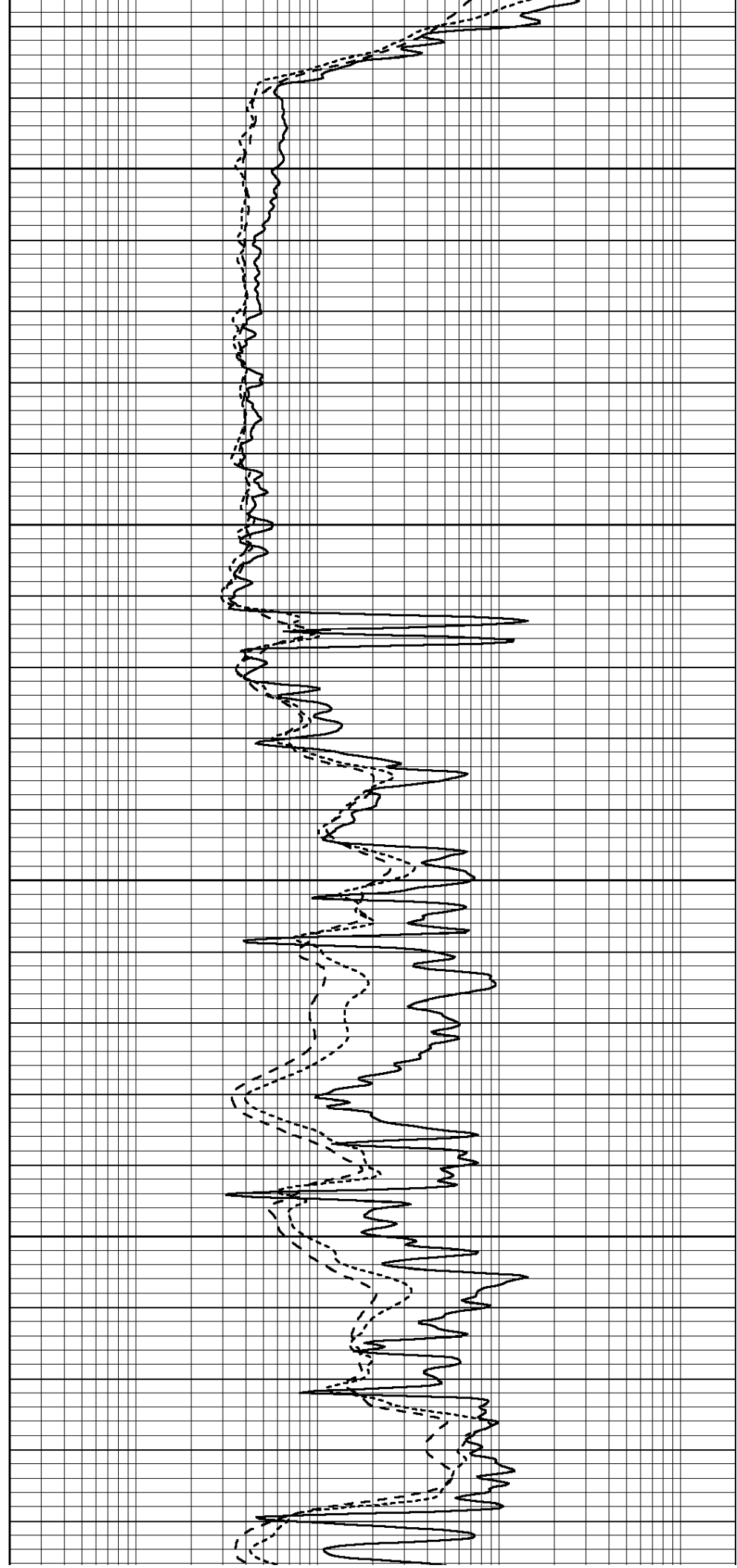


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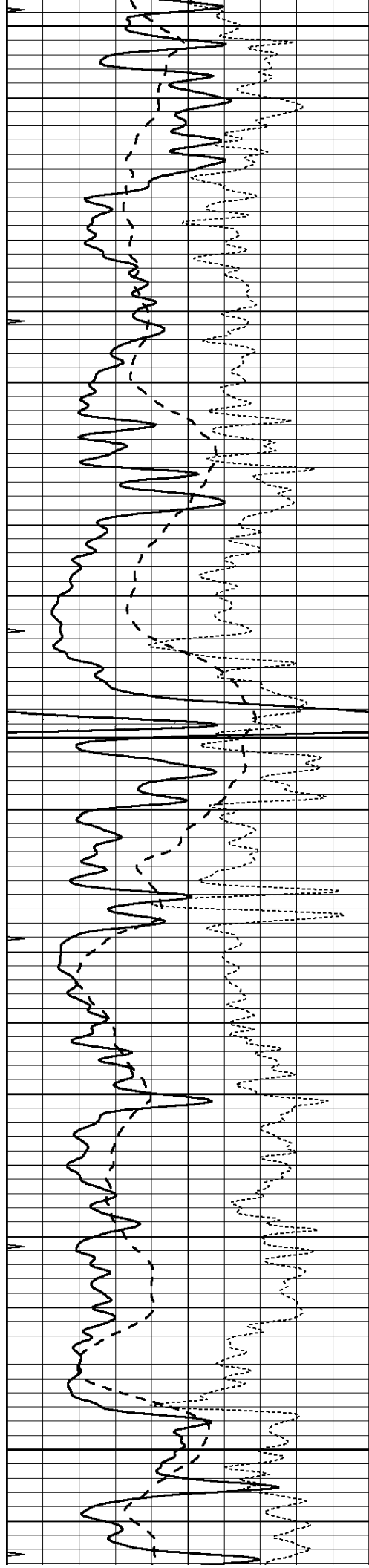
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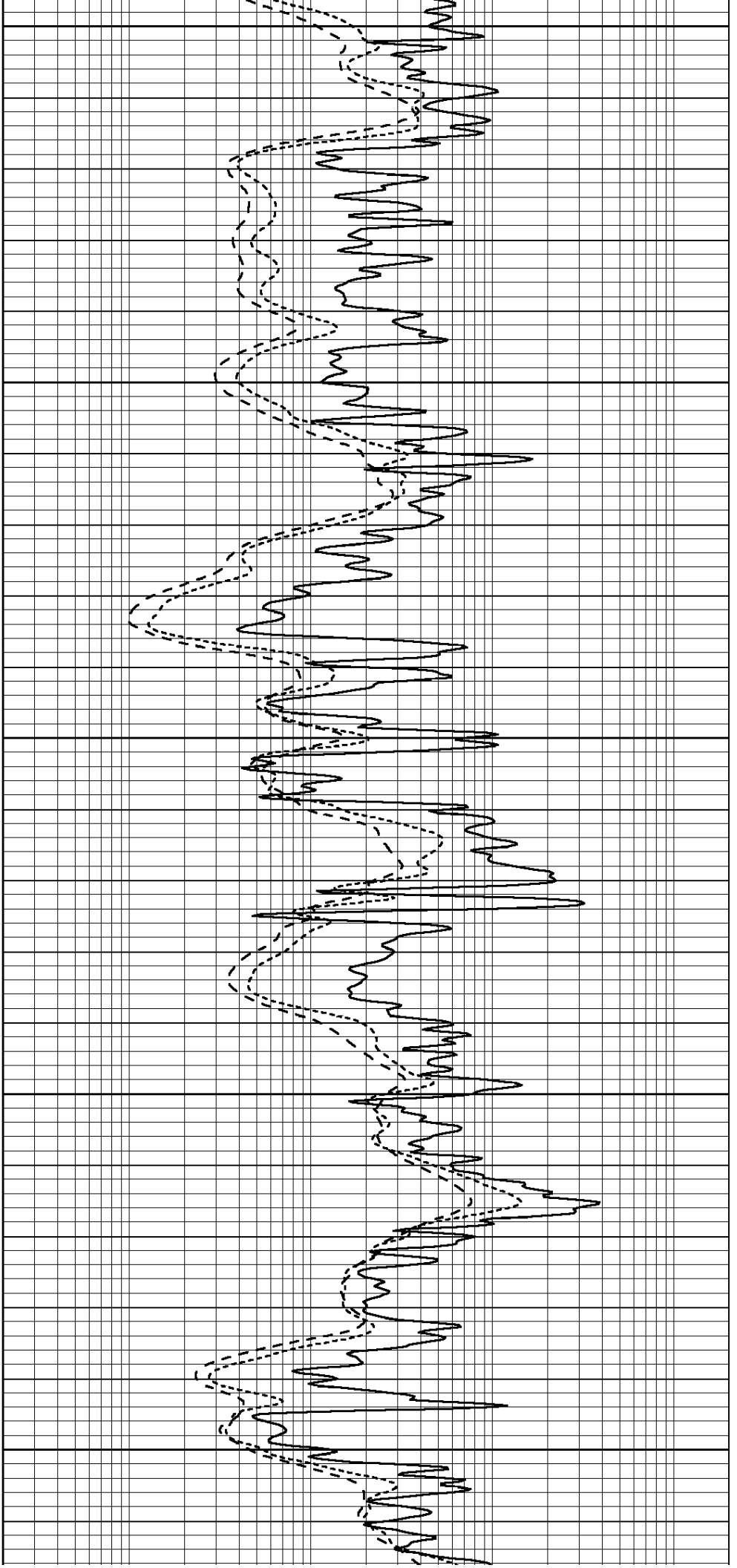
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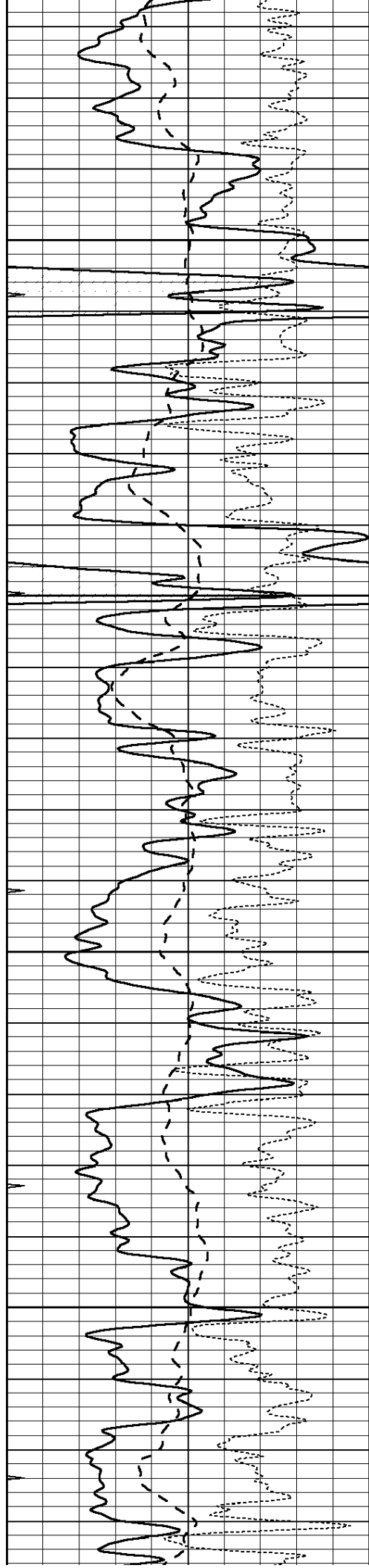
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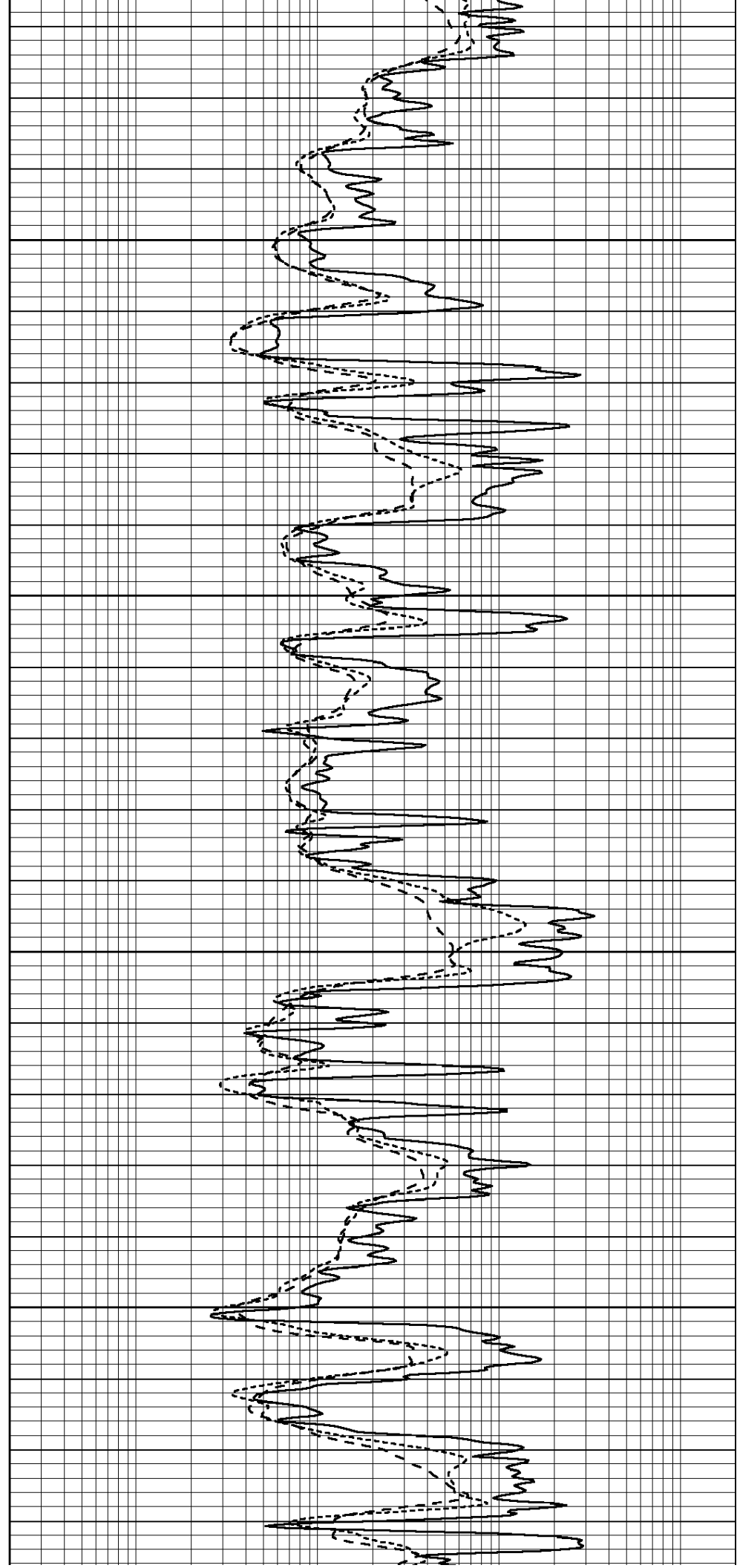


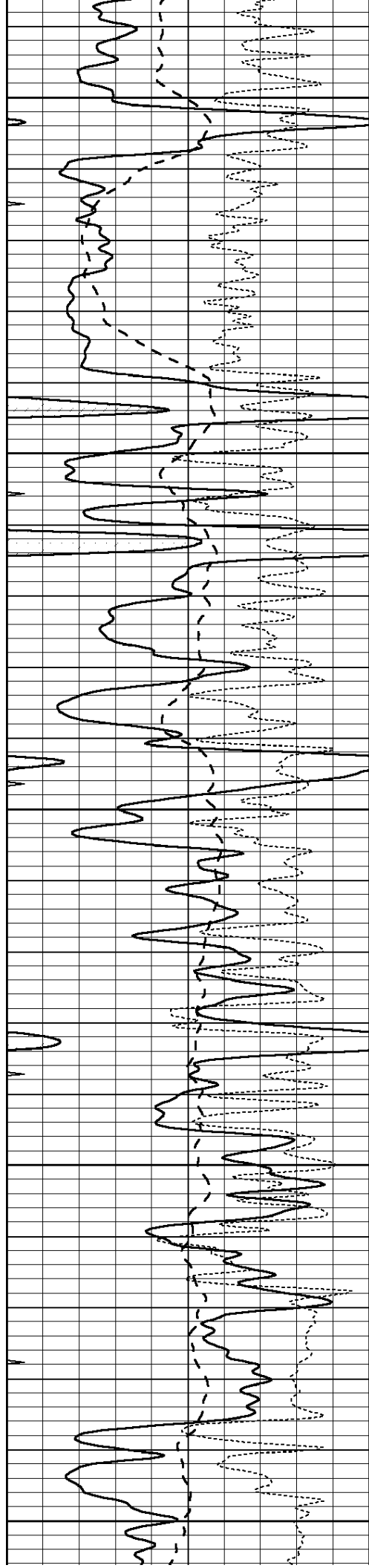
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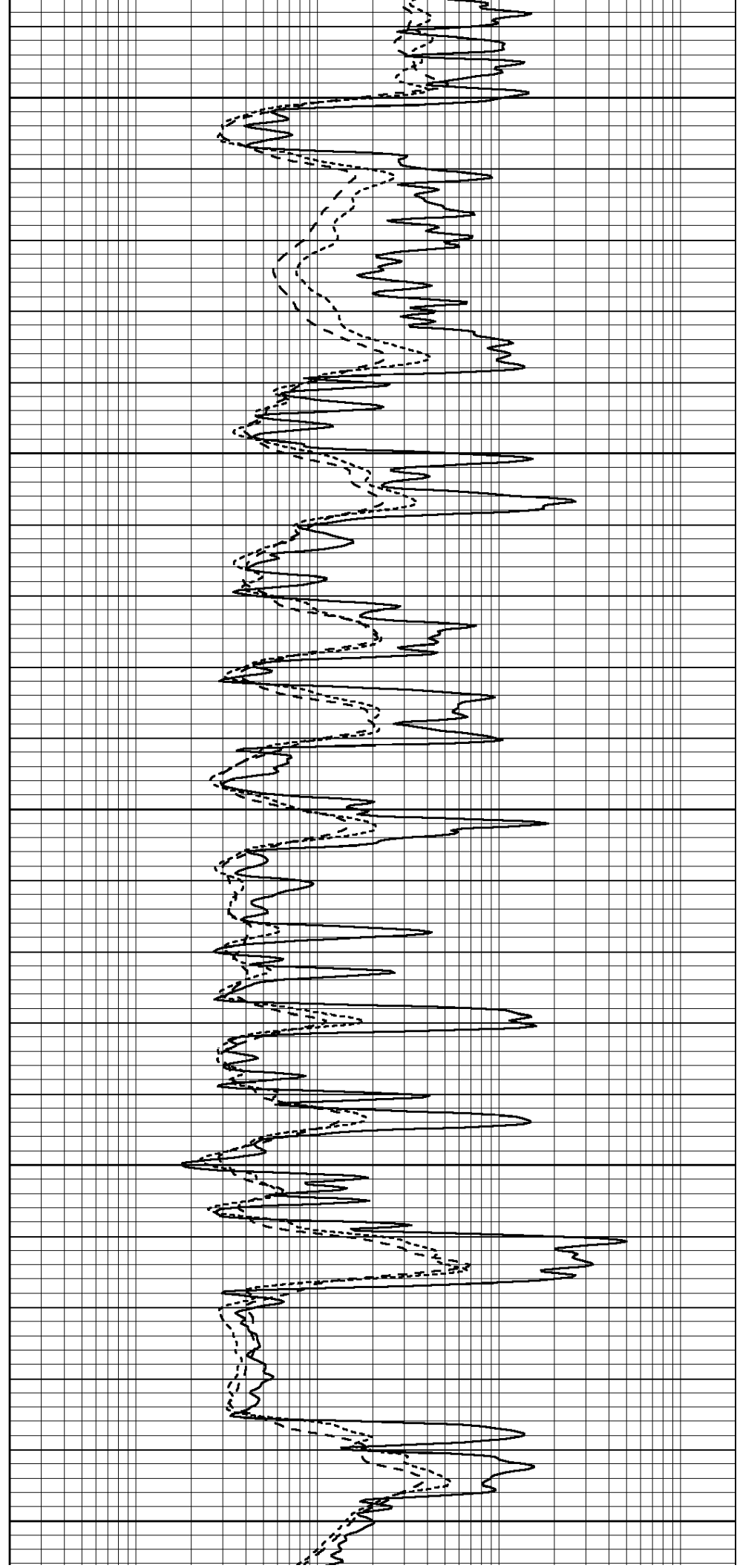
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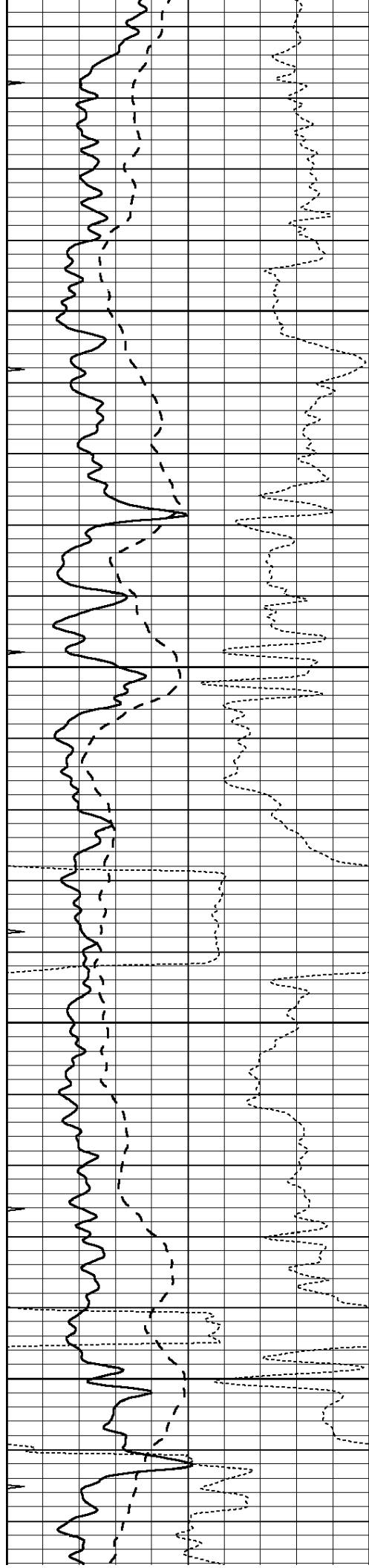
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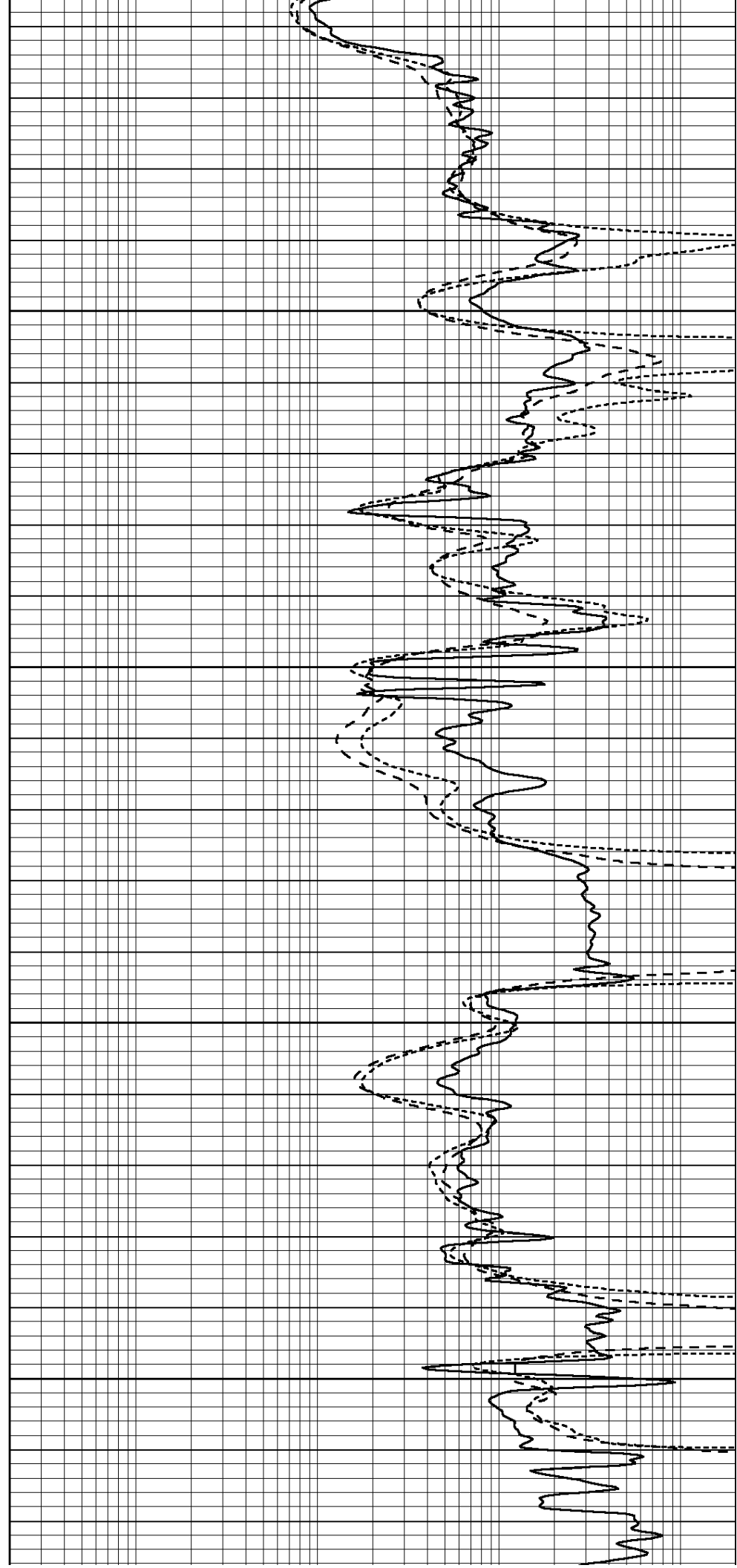


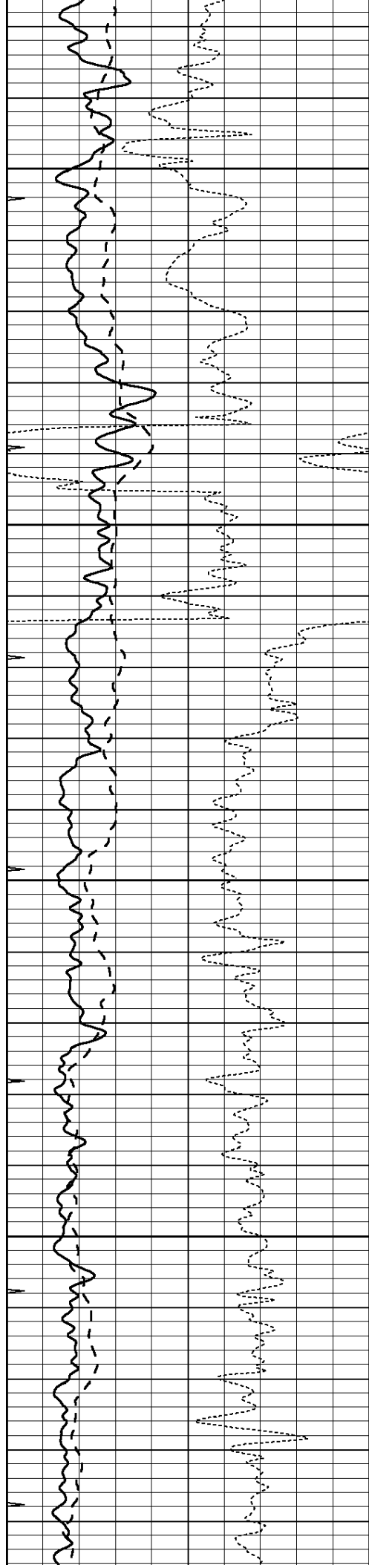
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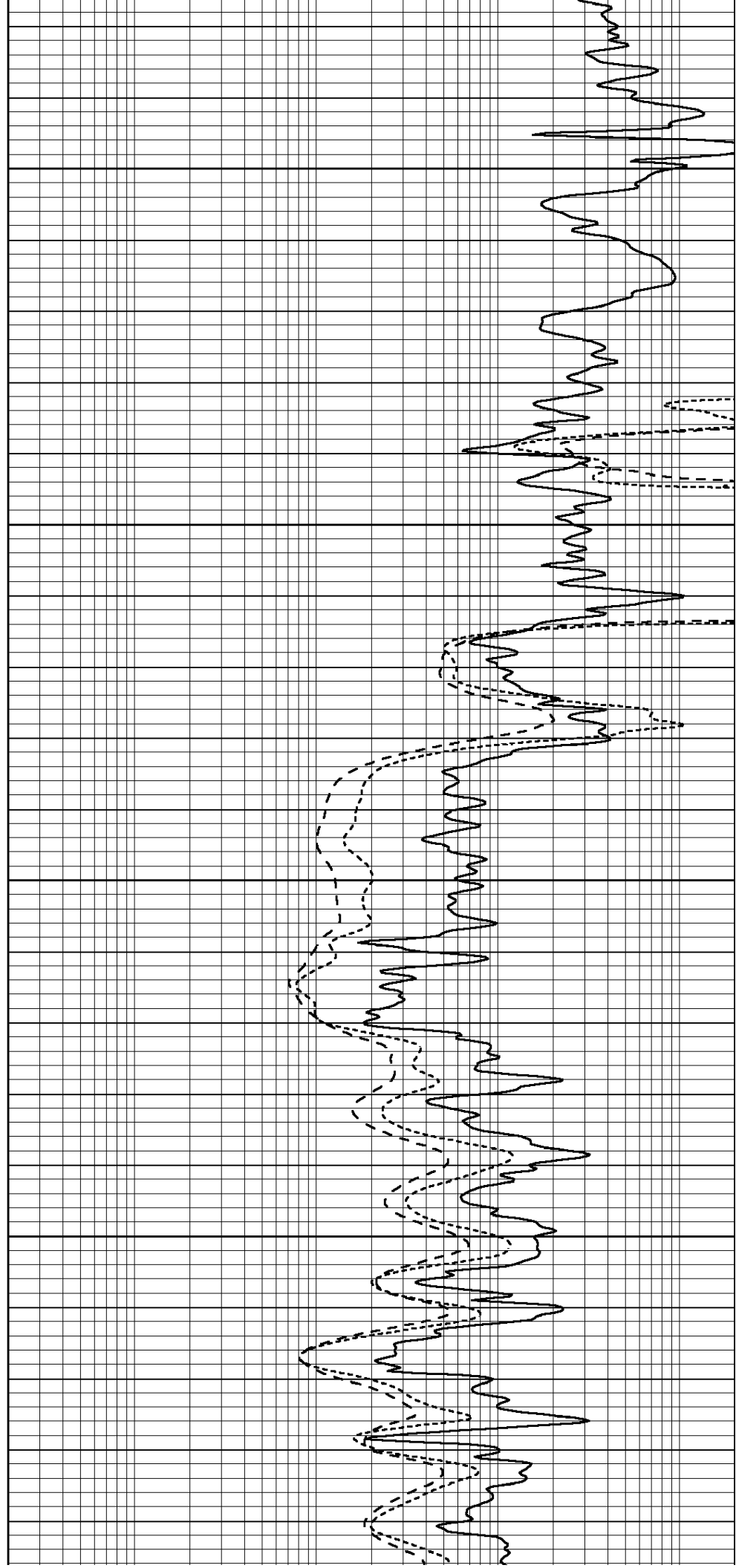


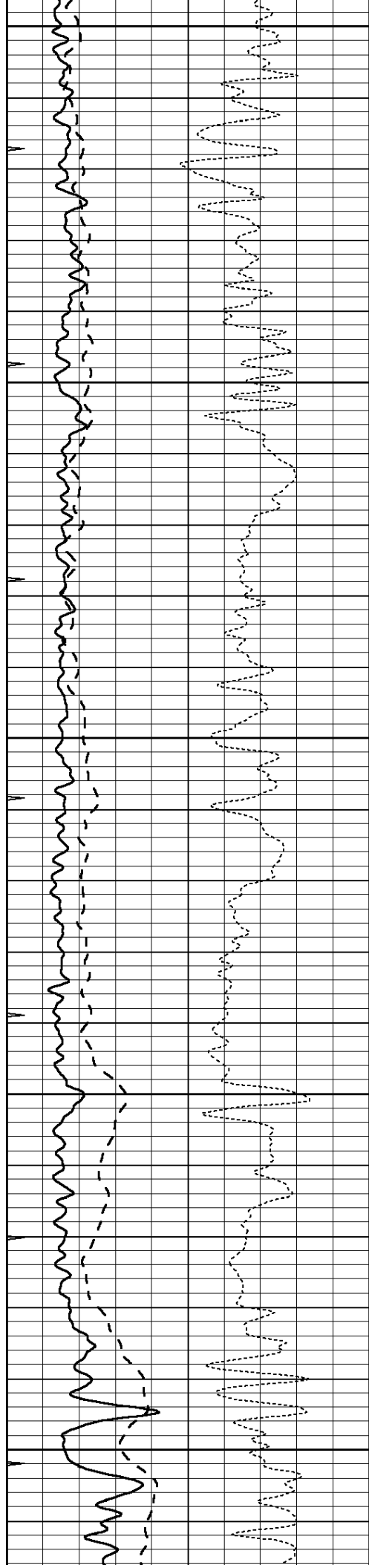
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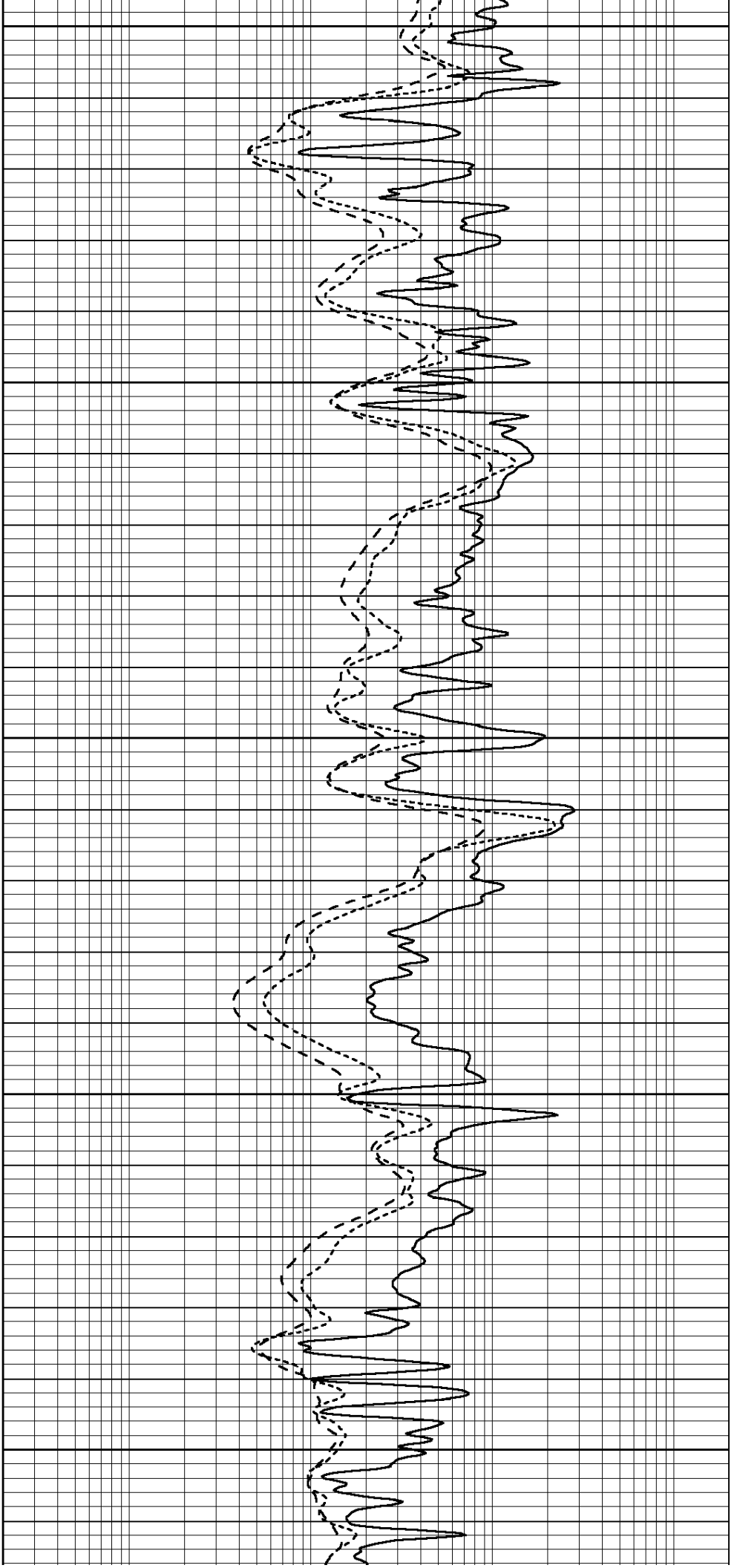
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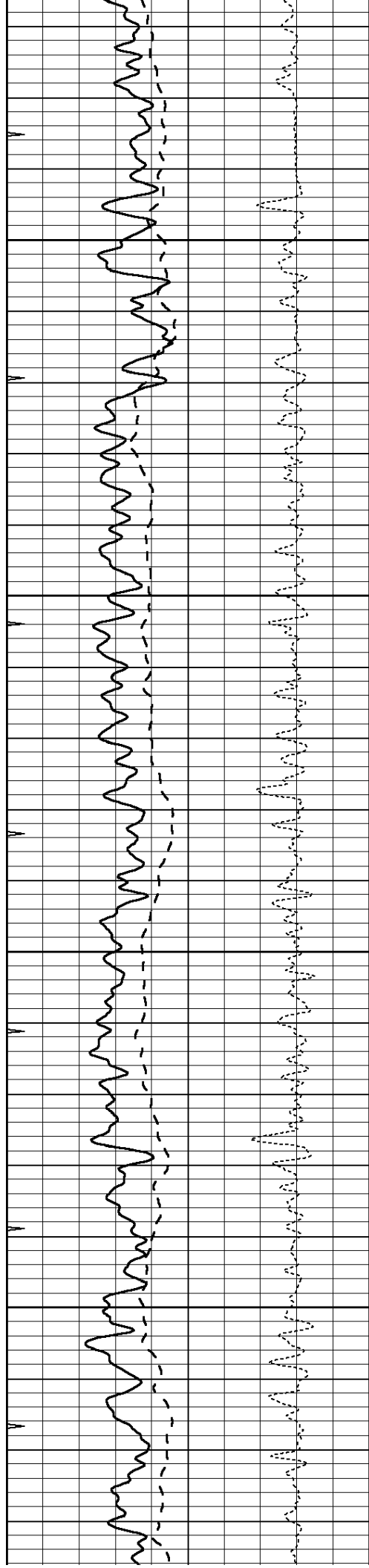
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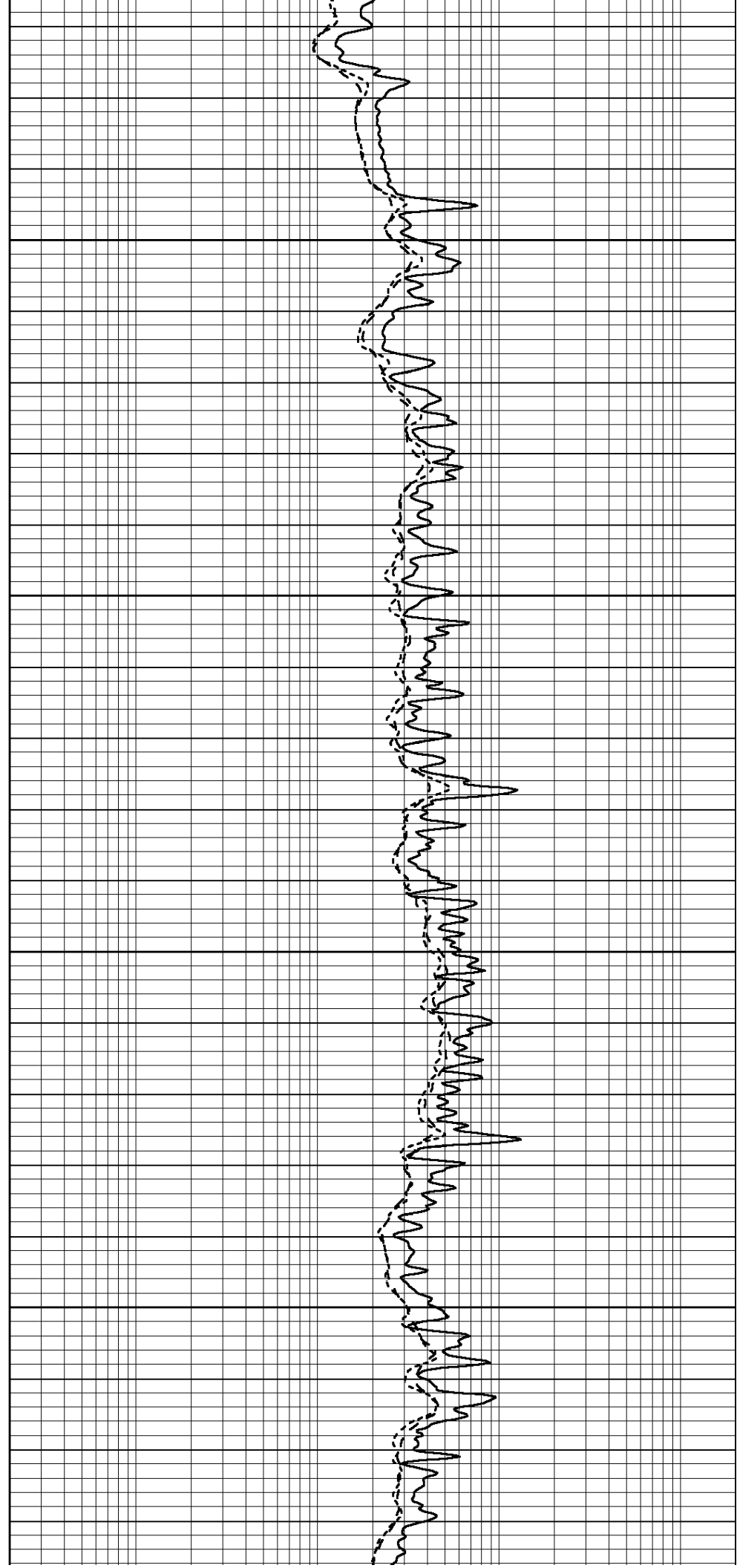


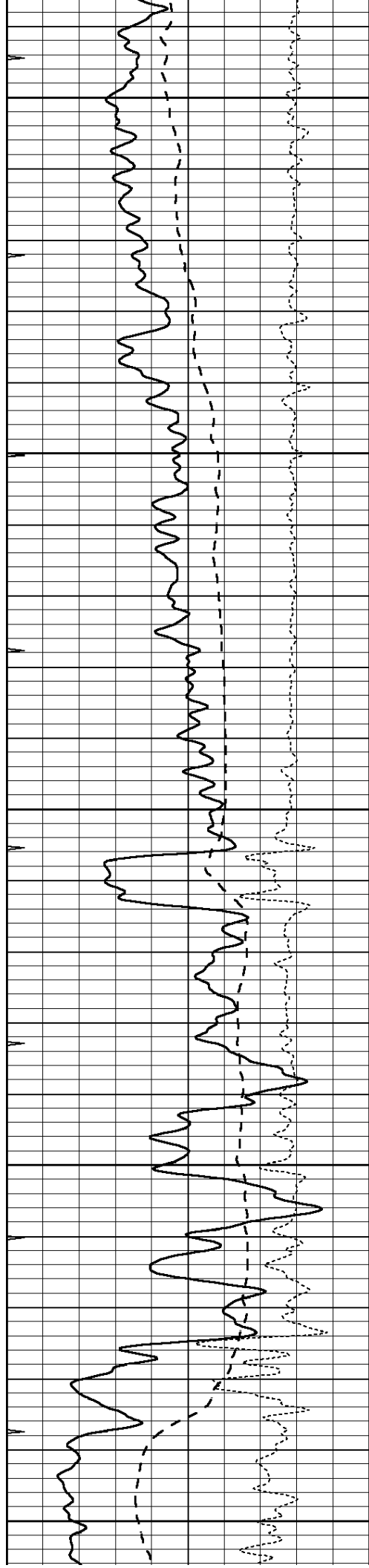
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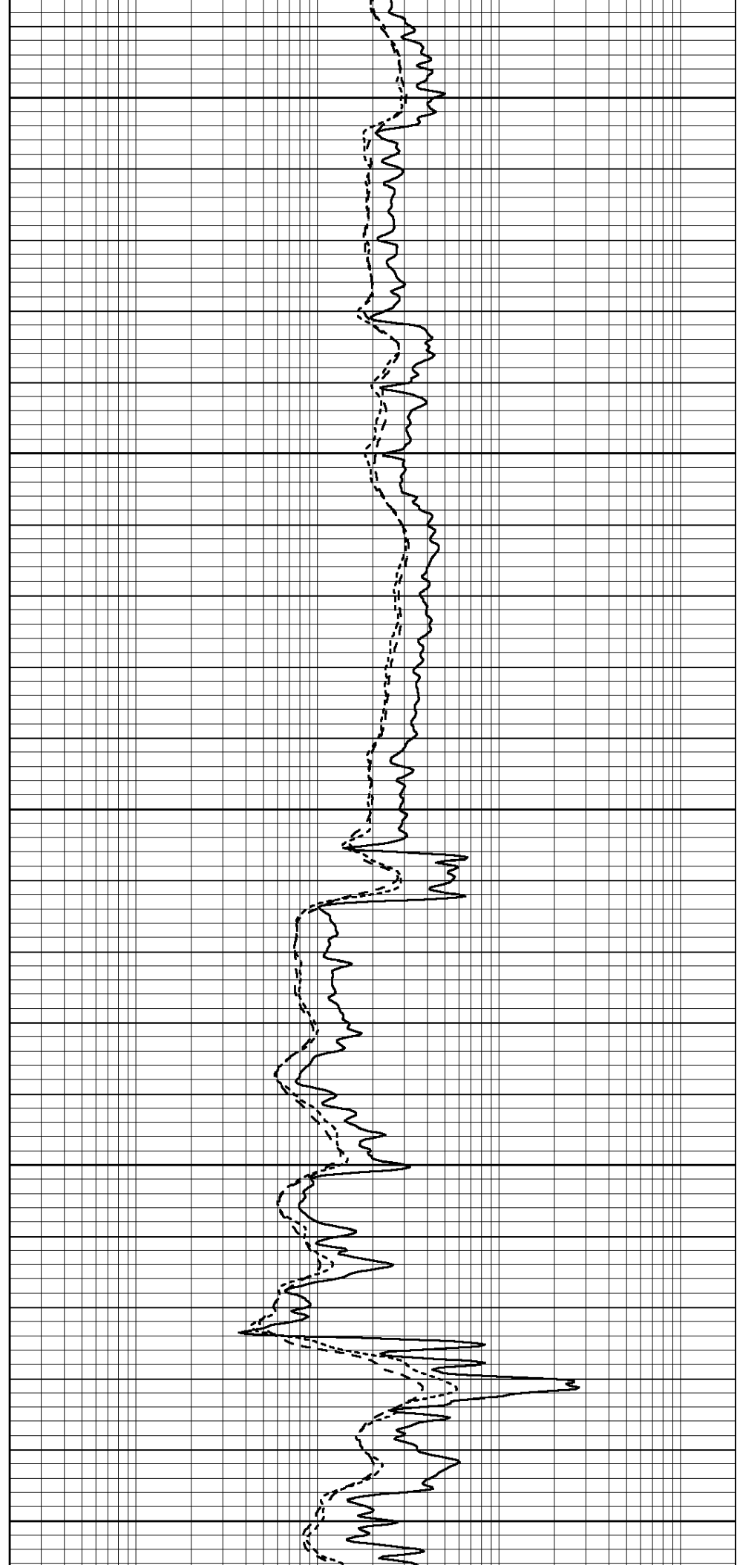
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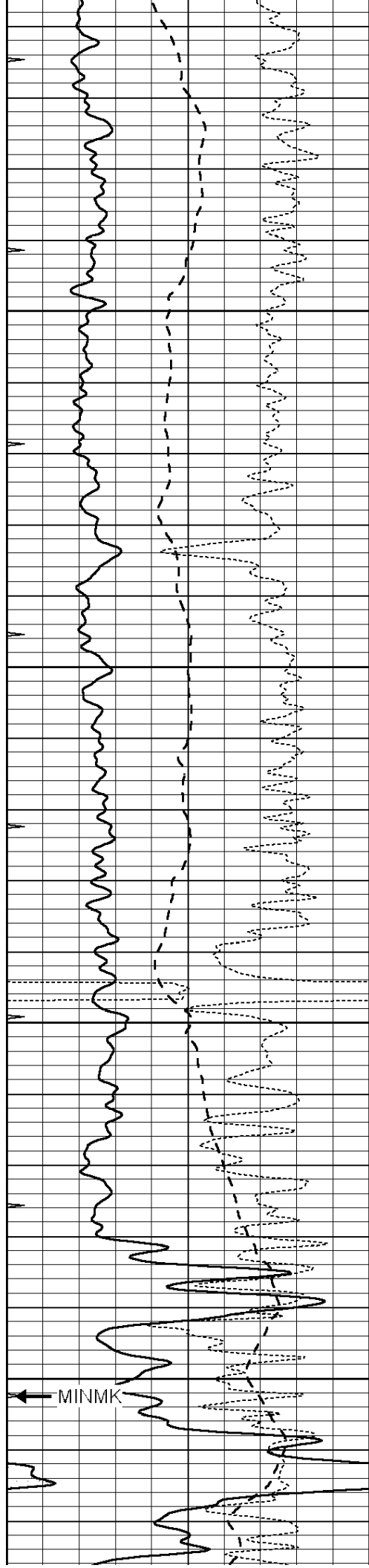
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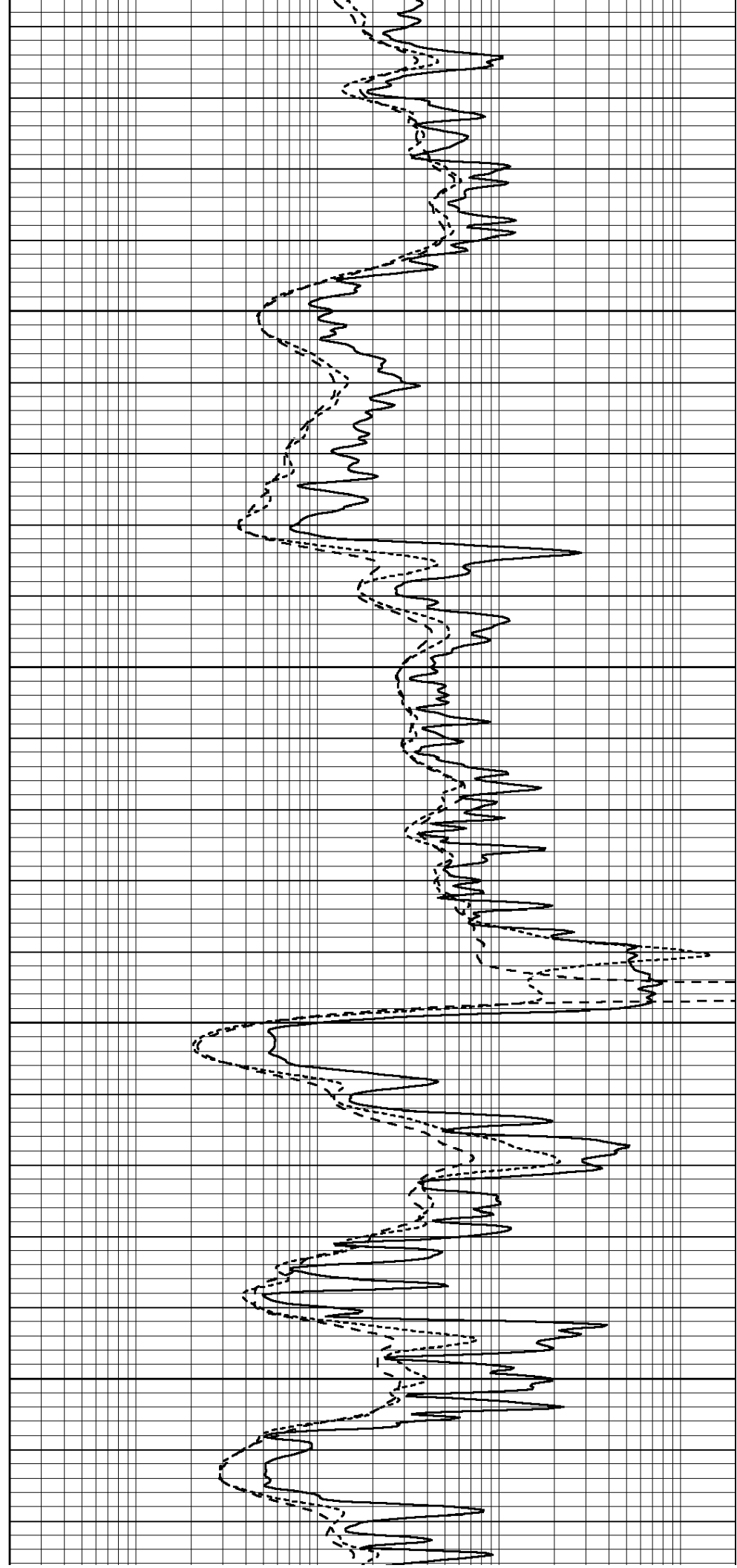


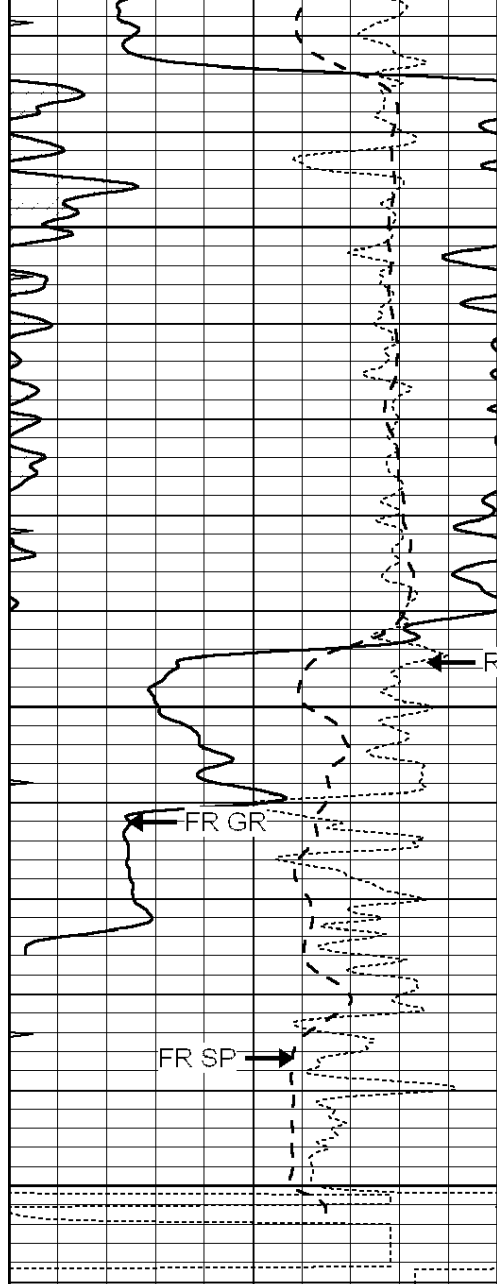
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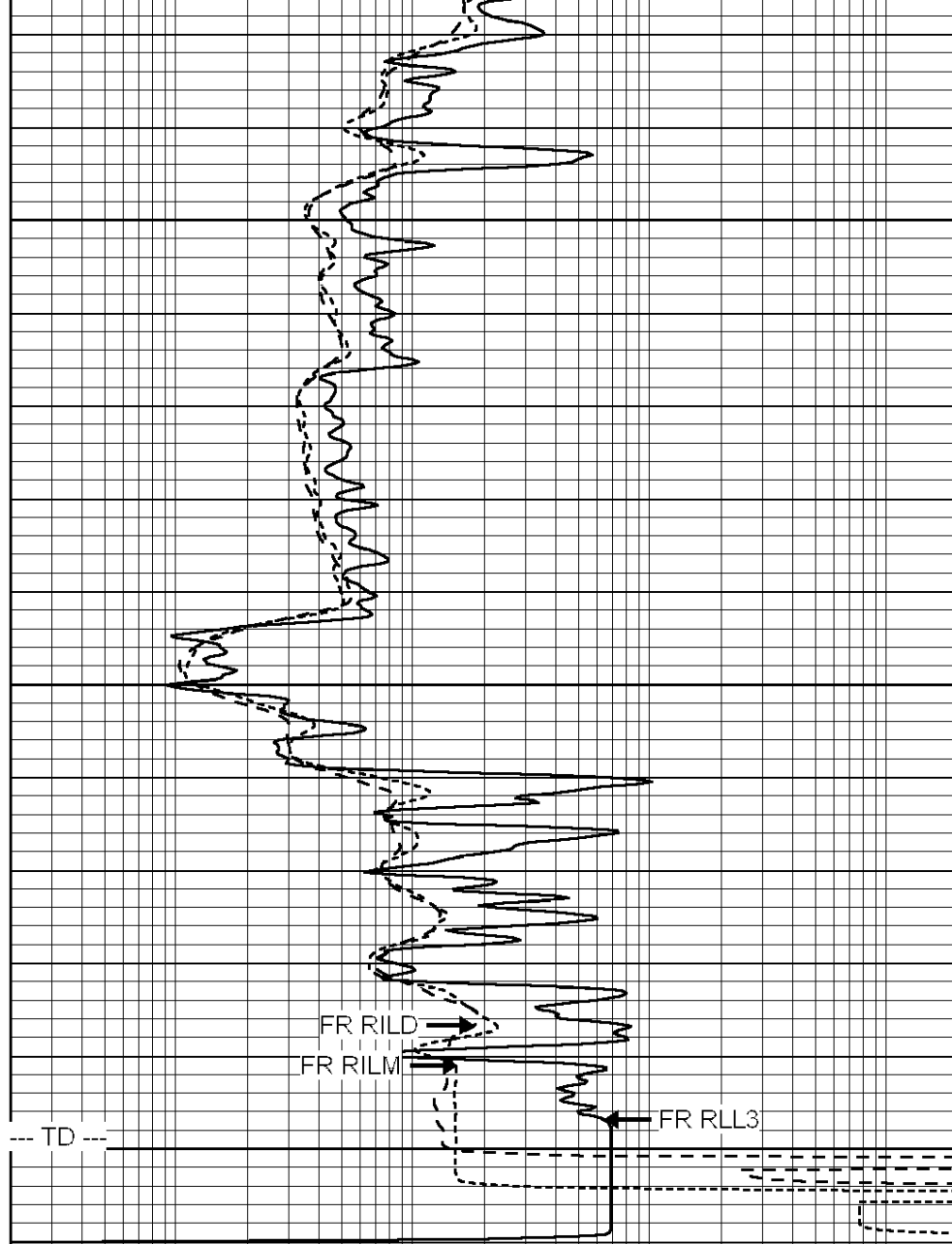
6750

RxoRt

FR GR

FR SP

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20



FR RILD

FR RILM

FR RLL3

TD

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



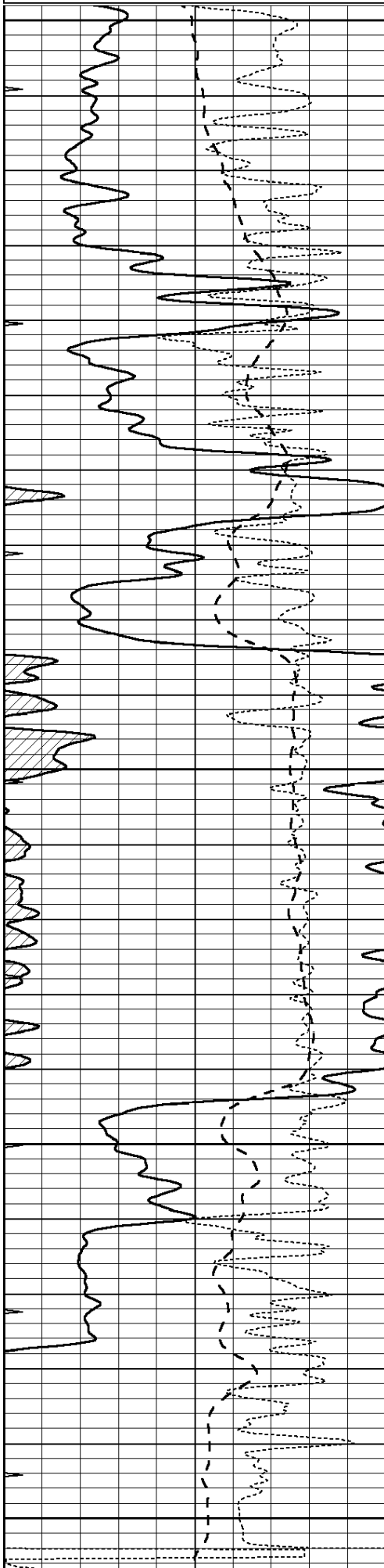
SUPERIOR  
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# REPEAT SECTION

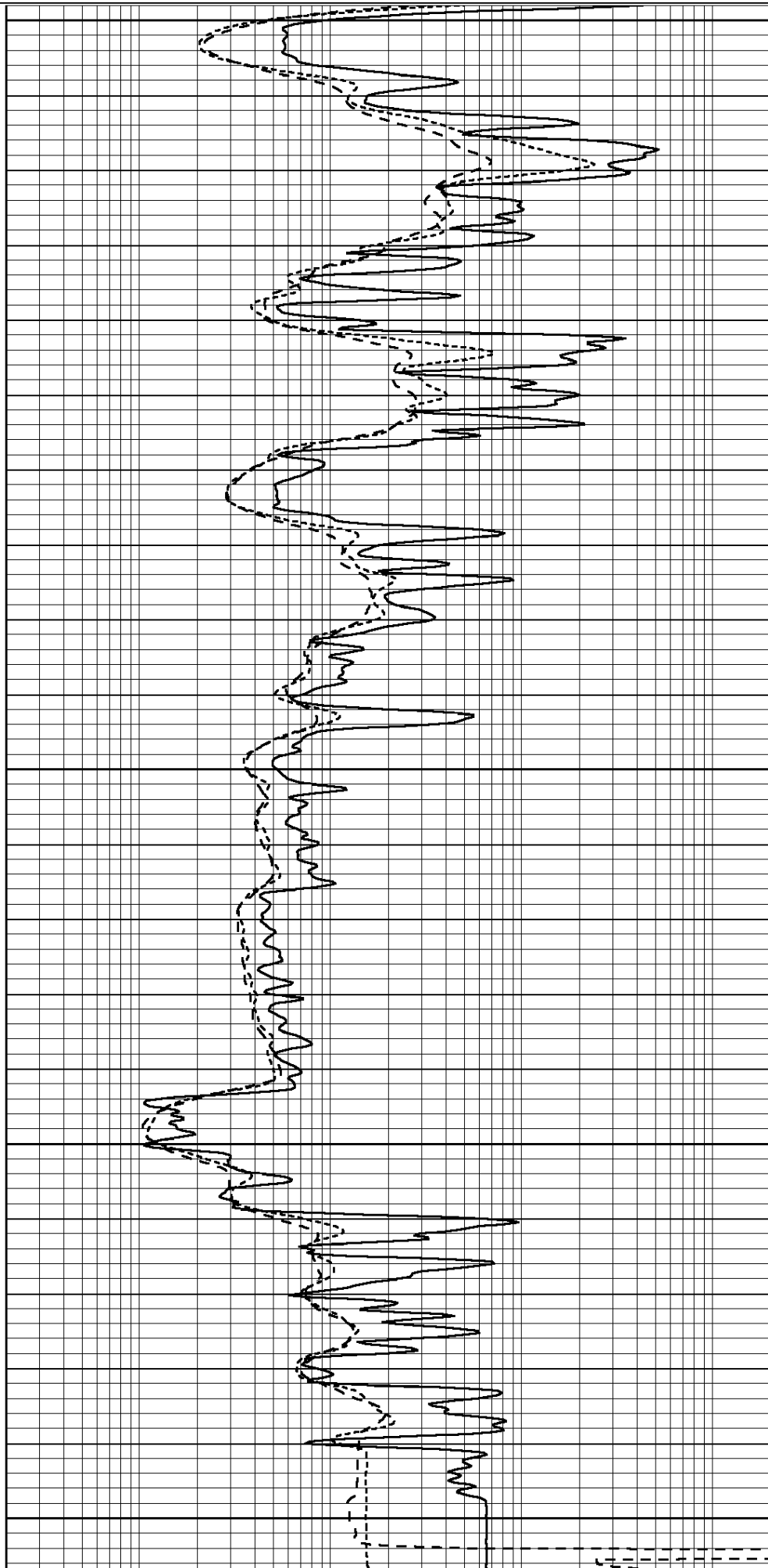
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 Dataset Pathname: pass2.1A  
 Presentation Format: dil  
 Dataset Creation: Fri Aug 12 16:51:47 2011 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



6550  
6600  
6650  
6700  
6750



0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

Calibration Report

Database File: 007347pdm.db  
 Dataset Pathname: pass2.1A  
 Dataset Creation: Fri Aug 12 16:51:47 2011 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: DIL5-GEAR  
 Performed: Fri Aug 12 12:35:01 2011

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	0.004	0.654	V	0.000	400.000	mmho/m	540.000	-18.000
Medium	-0.005	0.737	V	0.000	462.500	mmho/m	560.000	-12.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.006	0.655	V	0.000	400.000	mmho/m	615.668	-3.483
Medium	0.010	0.747	V	0.000	462.500	mmho/m	627.607	-6.064

Litho Density Calibration Report  
 Serial: 002 Model: PRB  
 Performed Tue Jul 03 11:12:28 2007

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	1059.5	9172.0	2859.6	10210.6	cps
Window 2	976.0	7793.2	2486.1	8515.6	cps
Window 3	689.8	2930.5	1159.0	3096.2	cps
Window 4	231.9	237.2	231.1	234.0	cps
Long Space	0.0	6817.1	1510.1	7539.6	cps
Short Space	1.6	1758.1	1188.6	1898.8	cps
Rho		1.7100	2.5960	1.3800	g/cc
Pe			2.5700	1.5500	

Rib Angle : 45.4      Rib Slope : 1.015      Density/Spine Ratio : 0.569  
 Spine Angle : 75.4      Spine Slope : 3.850      Spine Intercept : -19.9

Caliper

Low Ref	Readings	Reference
High Ref	2.5	7.7
	3.9	12.5
	Gain: 3.4	Offset: -0.8

Compensated Neutron Calibration Report

Serial Number: NUE\_2I  
 Tool Model: G

CALIBRATION

Detector      Readings      Target      Normalization

Short Space	1.00	cps	1.00	cps	1.0000
Long Space	1.00	cps	1.00	cps	1.0000

### Gamma Ray Calibration Report

Serial Number:	GR5	
Tool Model:	OPEN	
Performed:	Fri Aug 12 12:34:11 2011	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.6500	GAPI/cps