



**COMPLETION
& PRODUCTION
SERVICES CO.**

**DUAL
INDUCTION
LOG**

Company: TRANS-PACIFIC OIL CORP.
Well: FLEMING "A" #1-14
Field: WILDCAT
County: ROOKS
State: KANSAS

Company: TRANS-PACIFIC OIL CORPORATION
Well: FLEMING "A" #1-14
Field: WILDCAT
County: ROOKS
State: KANSAS

Location: API #: 15-163-24239-0000
1055' FSL & 1272' FEL
NW - NW - SE - SE
SEC 14 TWP 6S RGE 19W
Permanent Datum: GROUND LEVEL Elevation: 2110
Log Measured From: KELLY BUSHING 5' A.G.L.
Drilling Measured From: KELLY BUSHING
Other Services: CDL/CNL/PE MEL/SON
Elevation: K.B. 2115 D.F. 2113 G.L. 2110

Date	9/5/14
Run Number	ONE
Depth Driller	3775
Depth Logger	3774
Bottom Logged Interval	3772
Top Log Interval	00
Casing Driller	8 5/8" @ 217'
Casing Logger	217'
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.4/56
pH / Fluid Loss	10.5/8.0
Source of Sample	FLOWLINE
Rim @ Meas. Temp	0.95 @ 80F
Rmf @ Meas. Temp	0.71 @ 80F
Rmc @ Meas. Temp	1.14 @ 80F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	0.67 @ 114F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	
Maximum Recorded Temperature	114F
Equipment Number	4854
Location	HAYS, KANSAS
Recorded By	JEFF GRONEMEG
Witnessed By	ALEX CHAPIN

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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
STOCKTON, KS - 6 MILES WEST TO RD 12 - 6 MILES NORTH TO RD D
1/2 MILE WEST - NORTH INTO



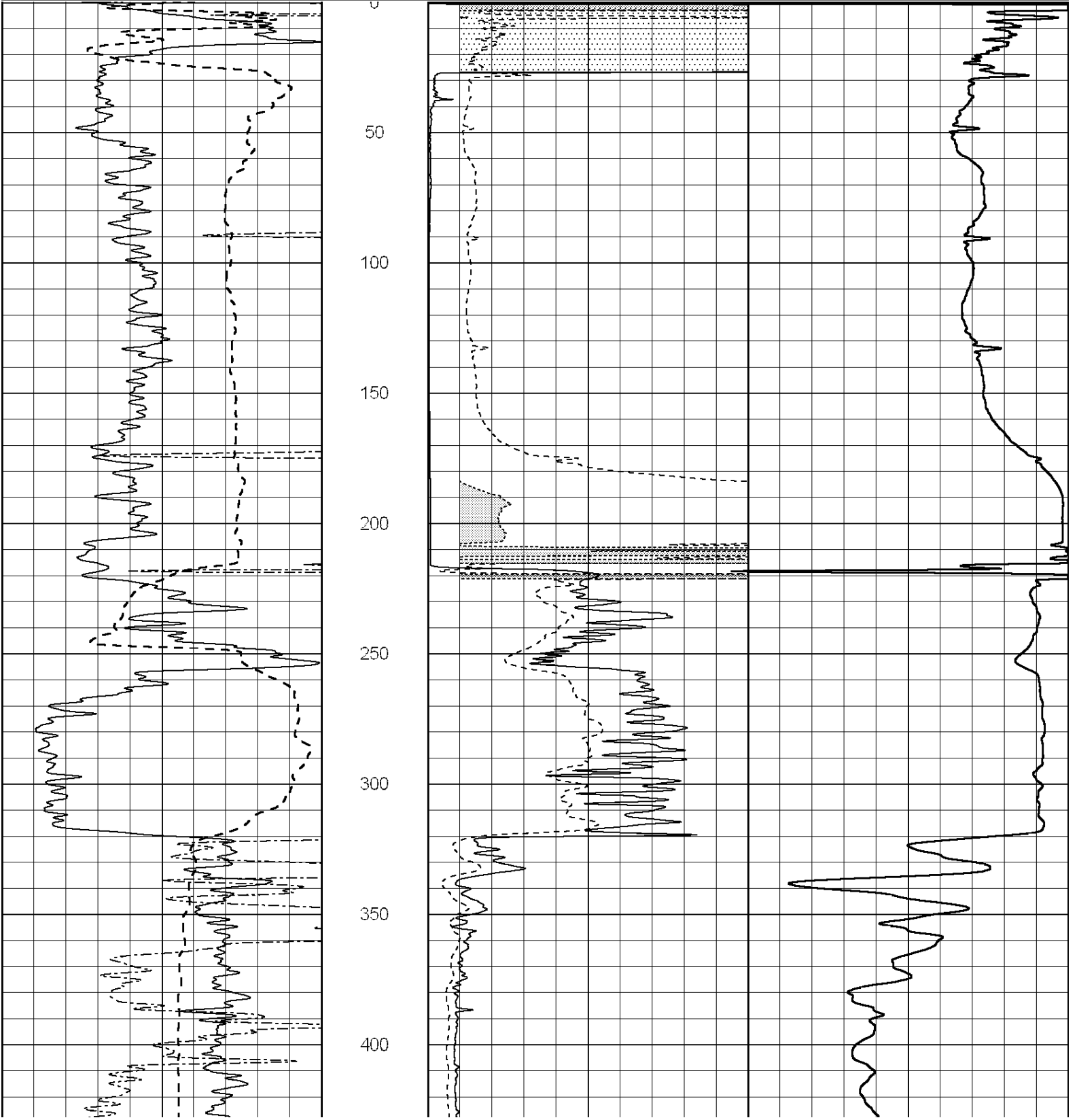
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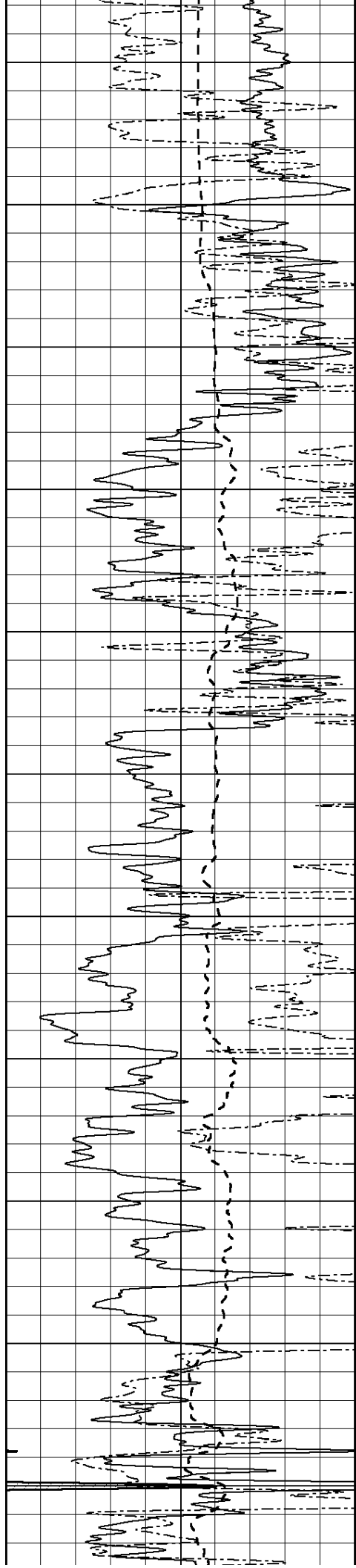
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0	RWA (Ohm-m)	1

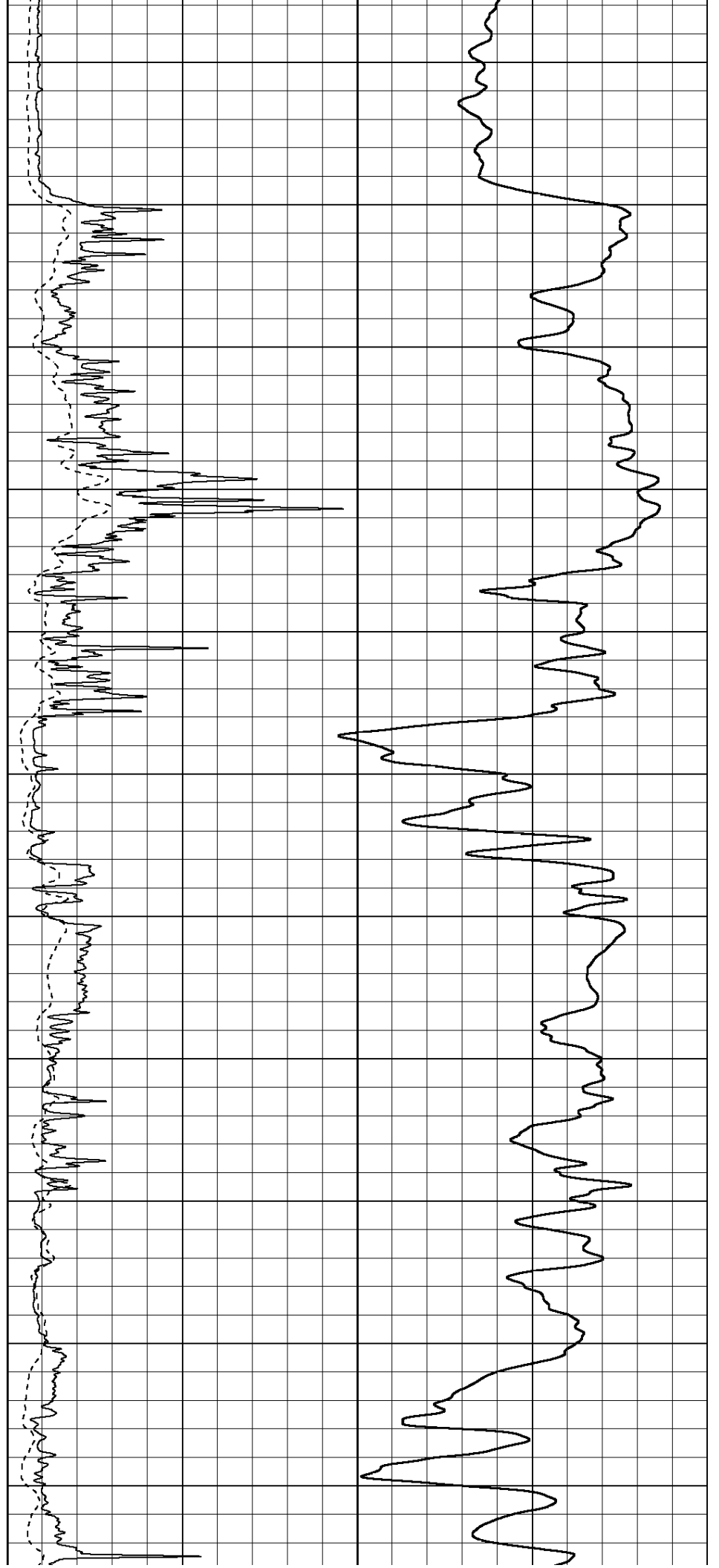
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1000	CILD (mmho/m)	0

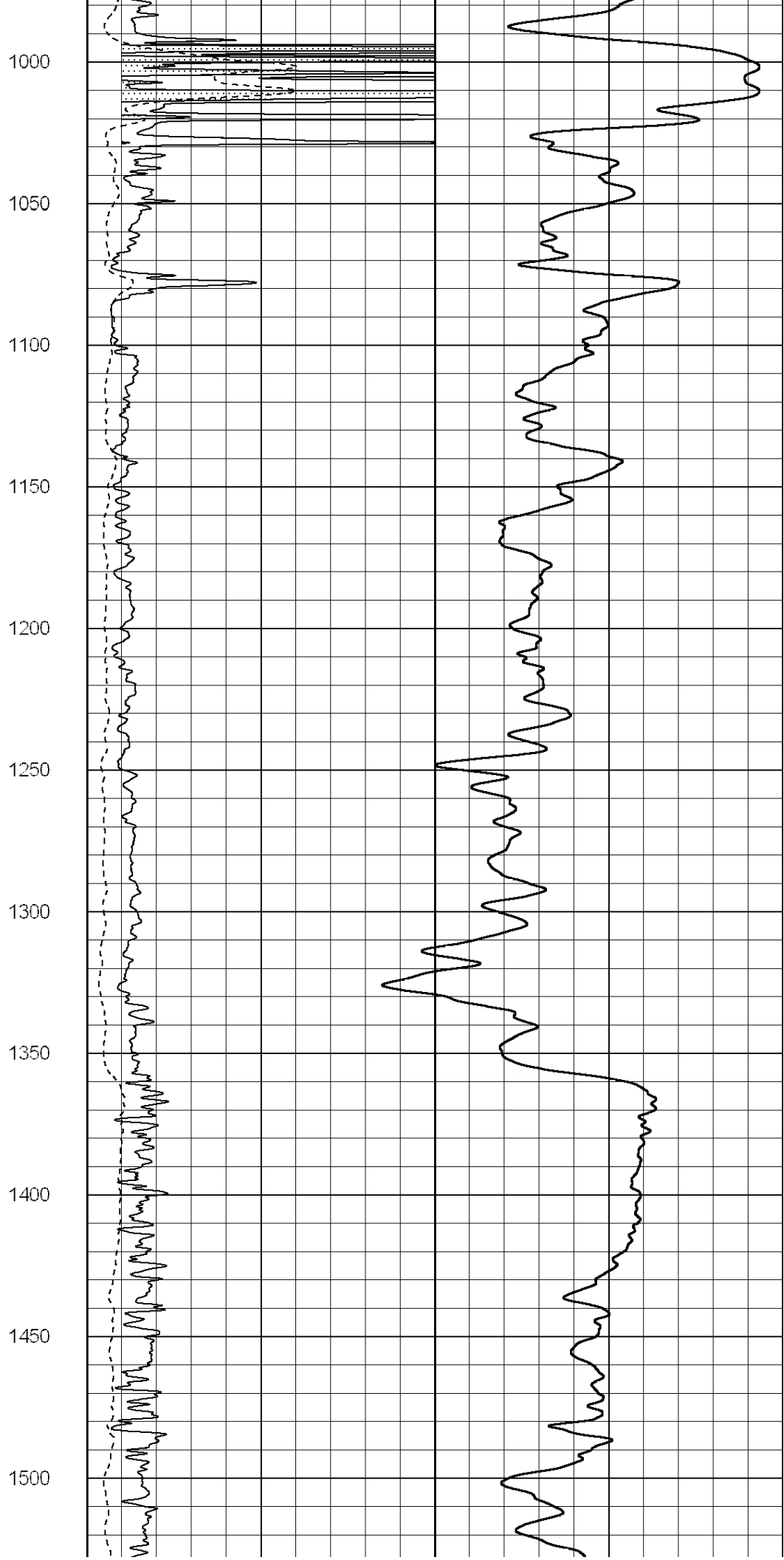
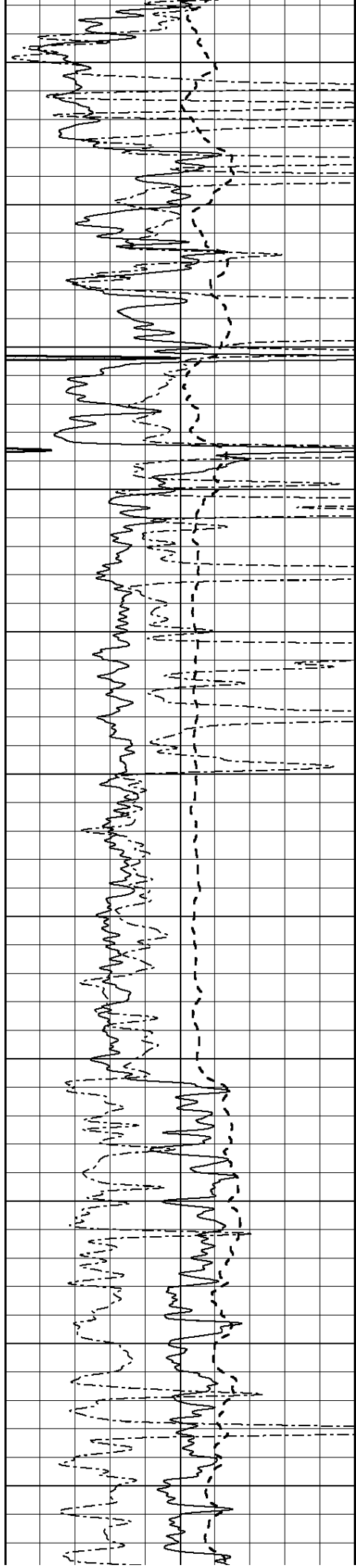
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50	RLL3 X10 (Ohm-m)	500

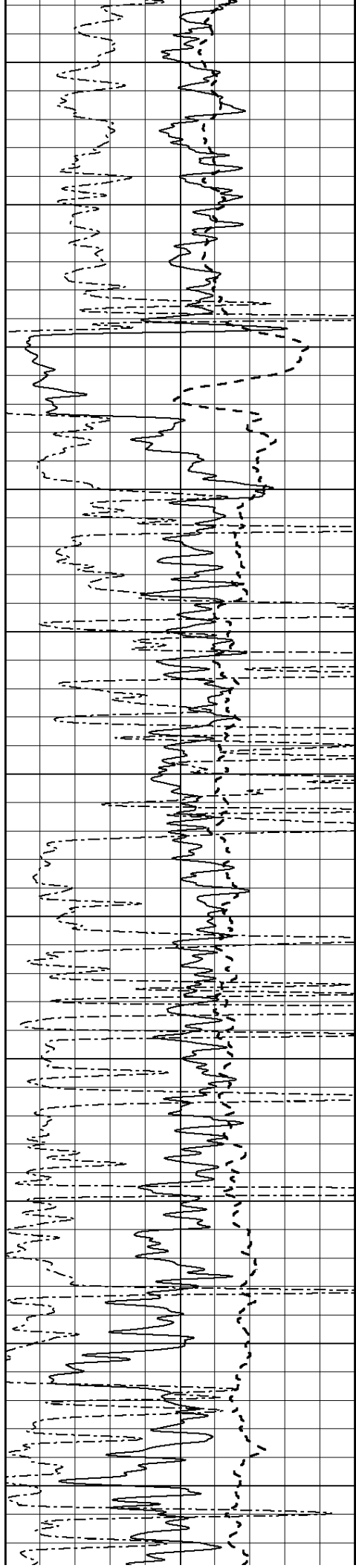




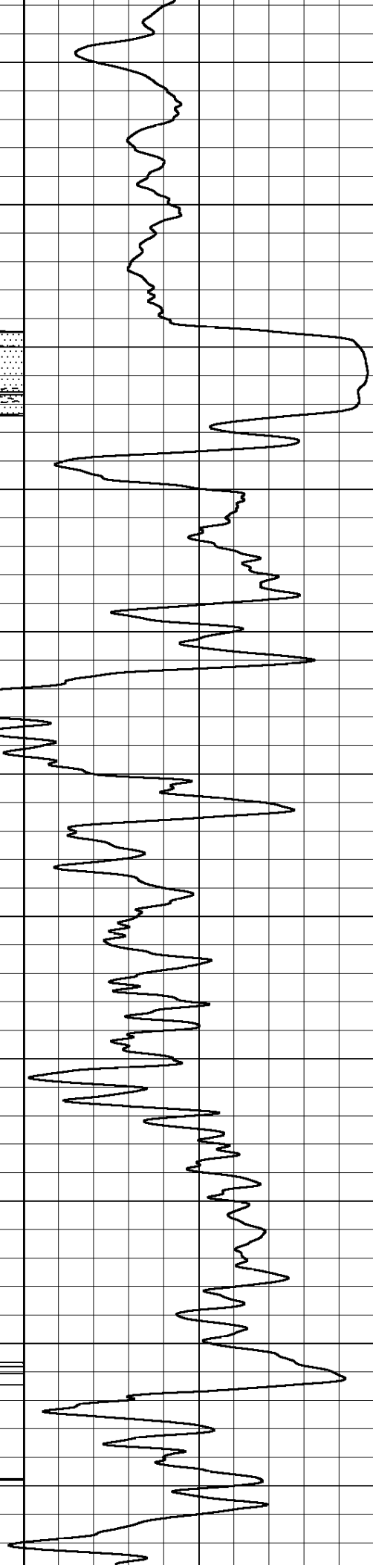
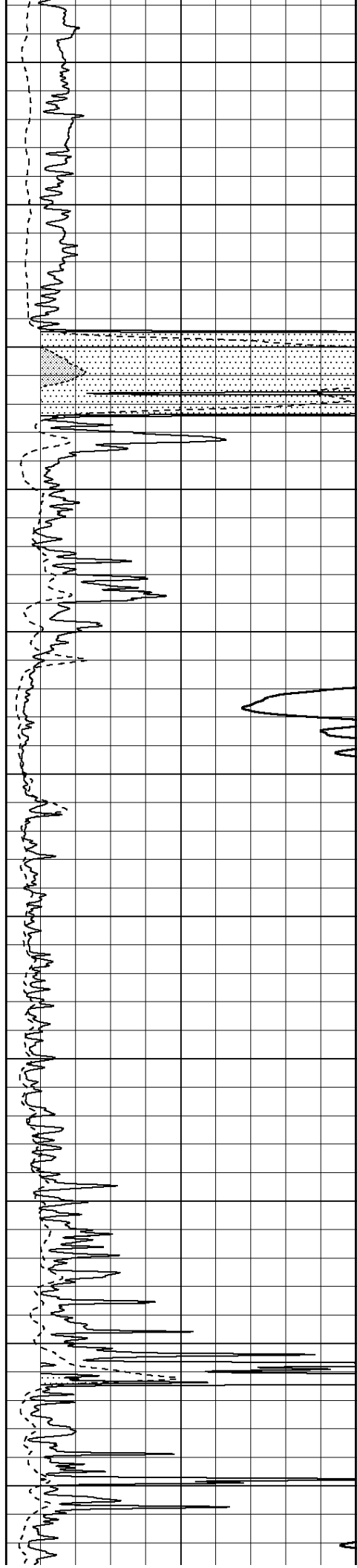
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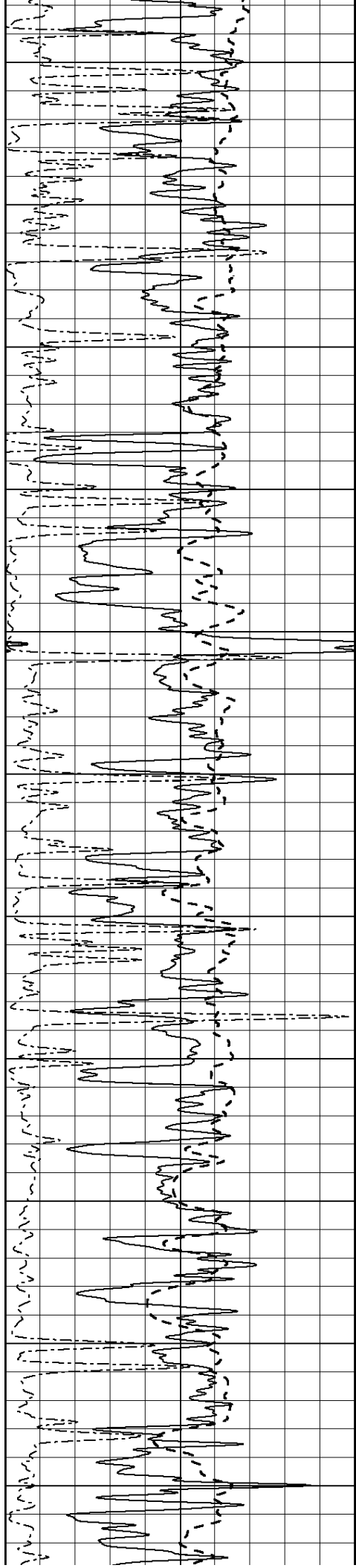






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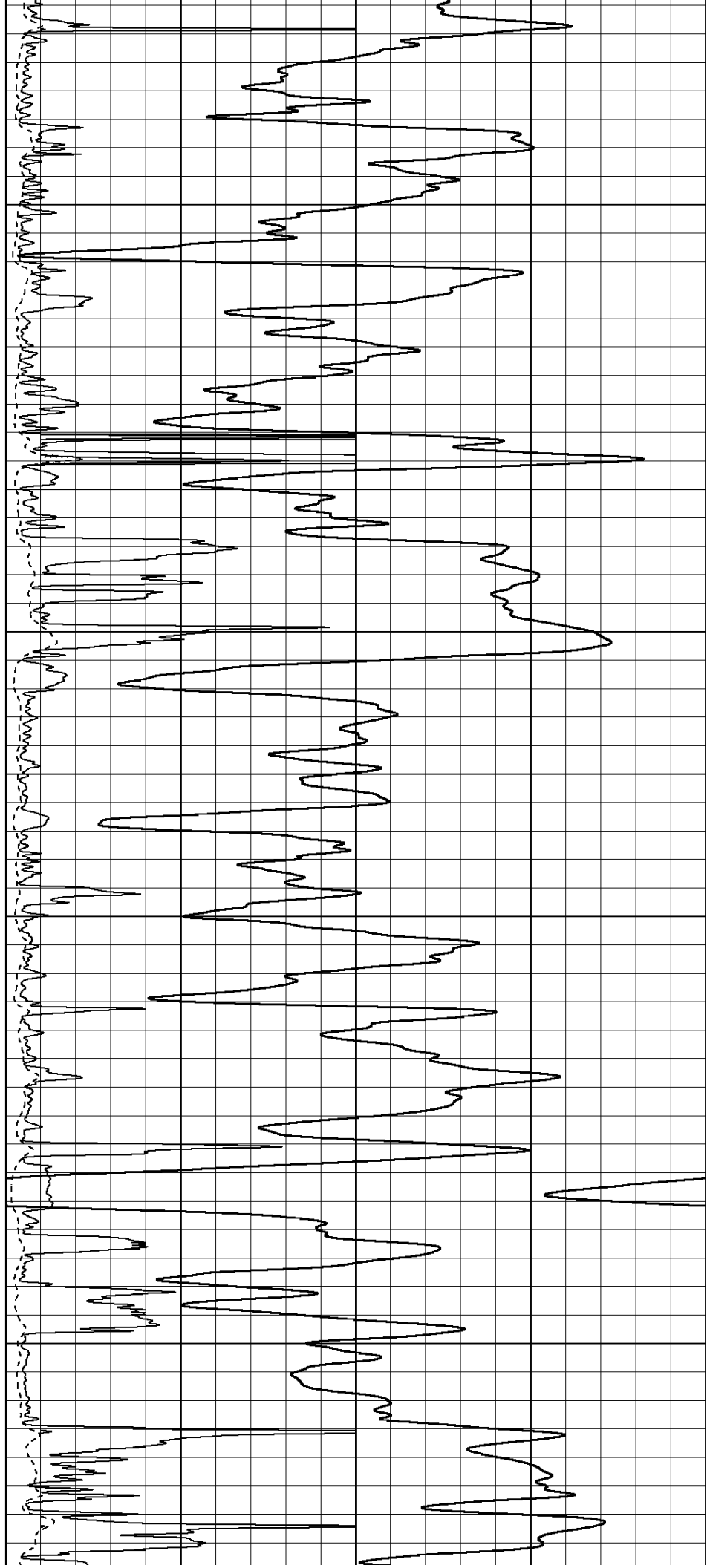
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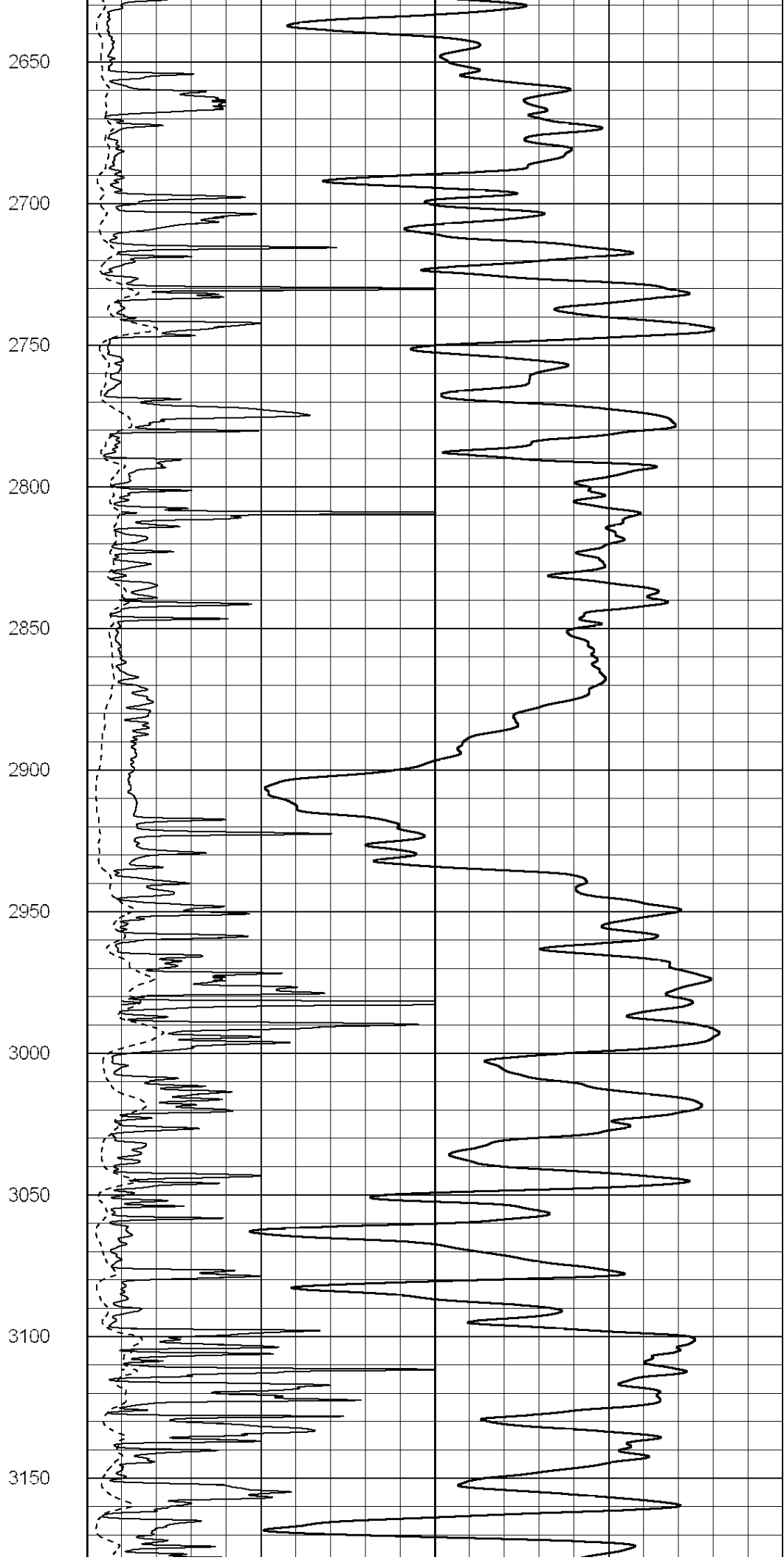
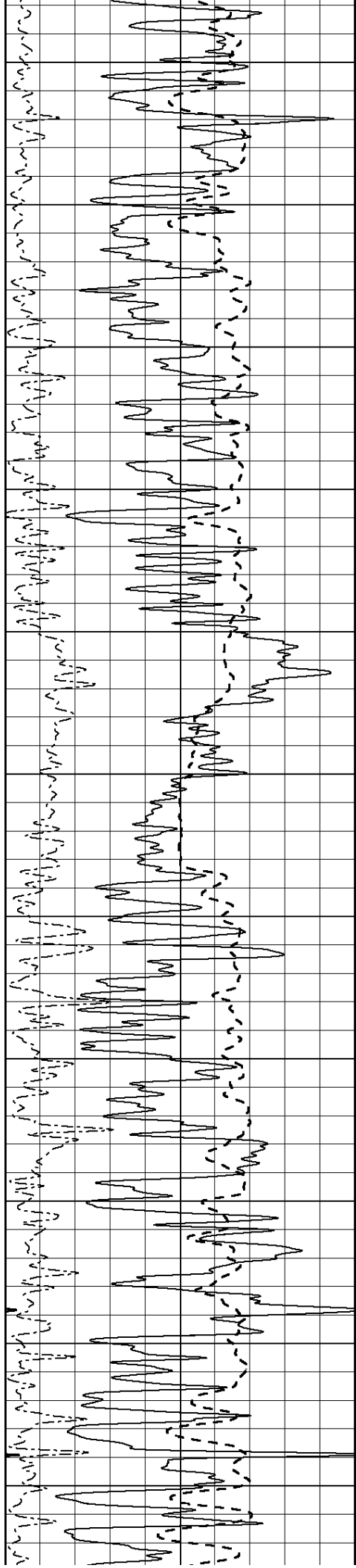
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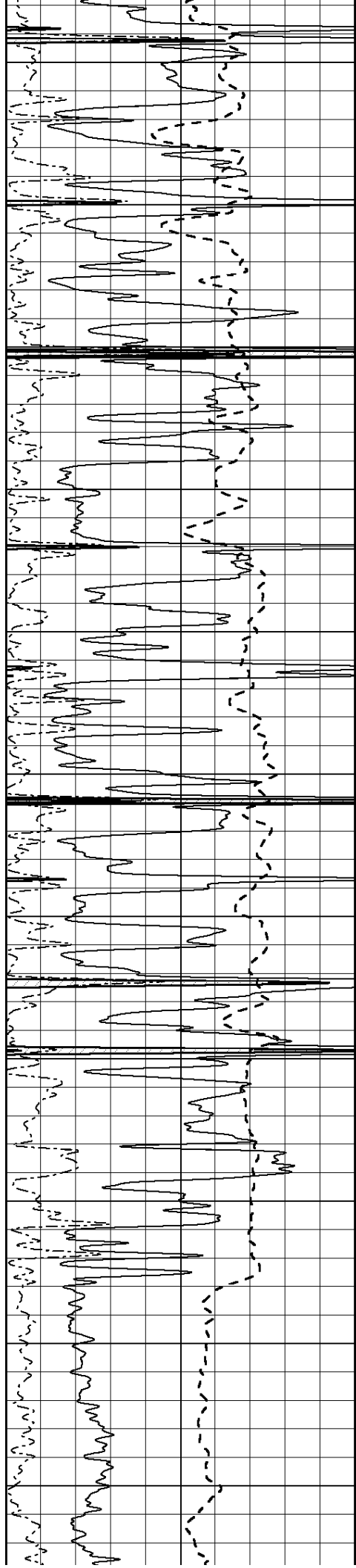
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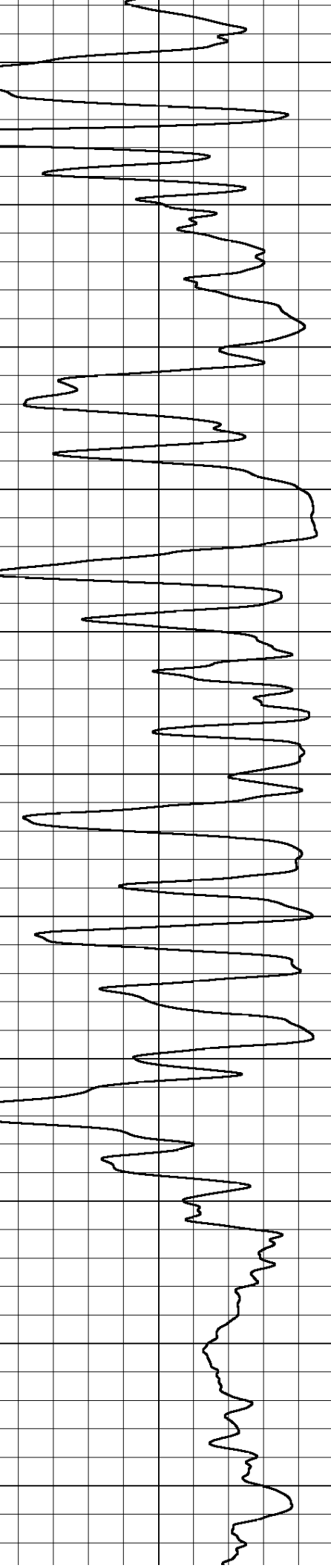
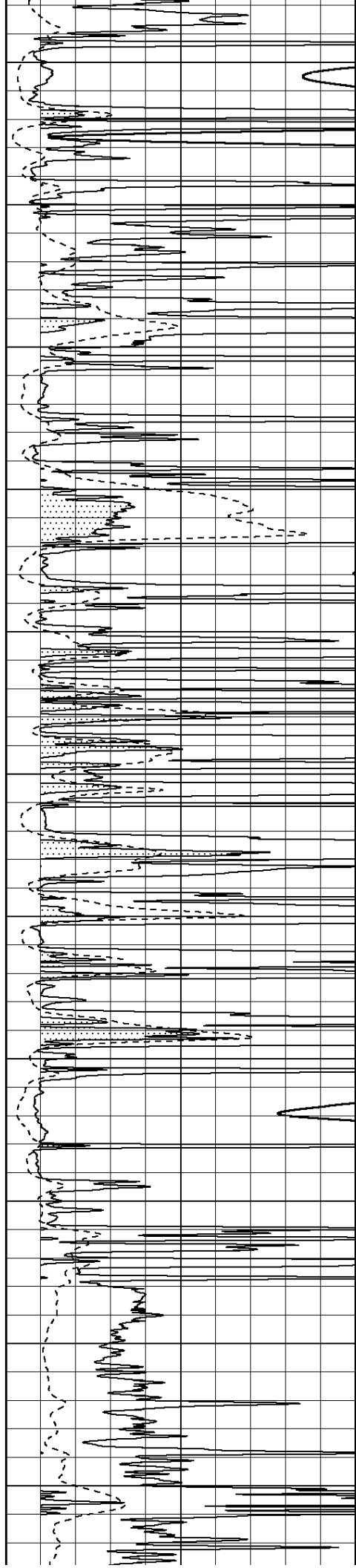
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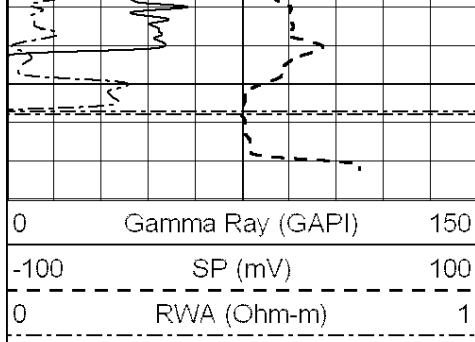
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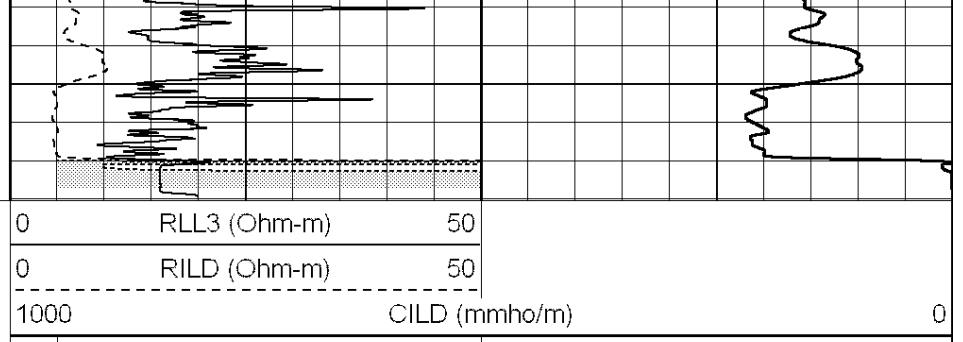
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3750



0	Gamma Ray (GAPI)	150
-100	SP (mV)	100
0	RWA (Ohm-m)	1

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

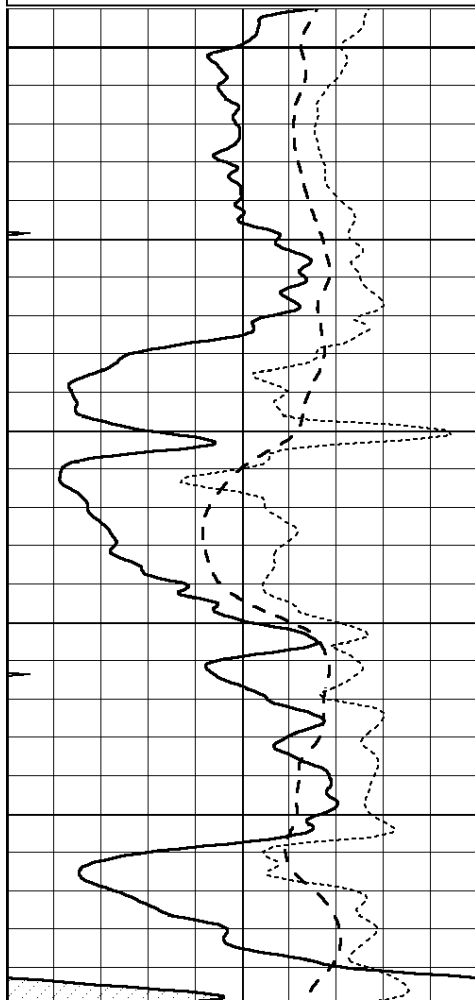


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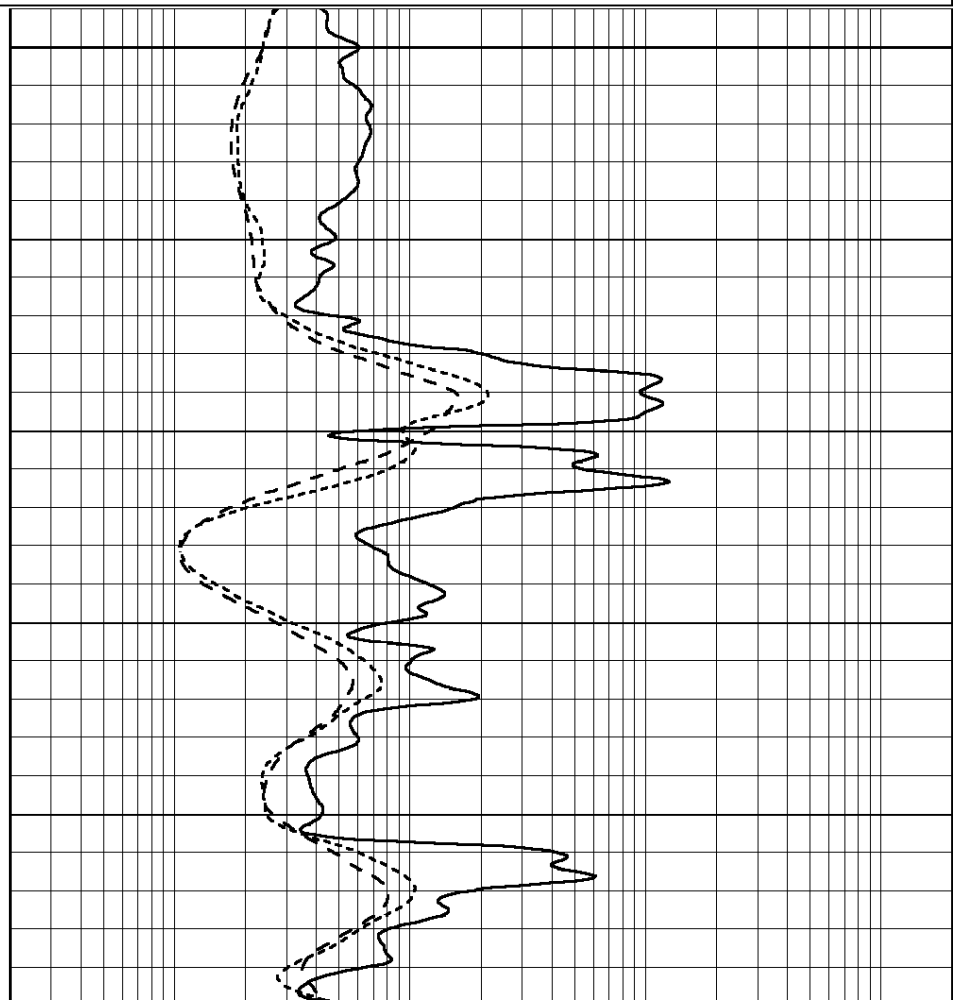
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0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

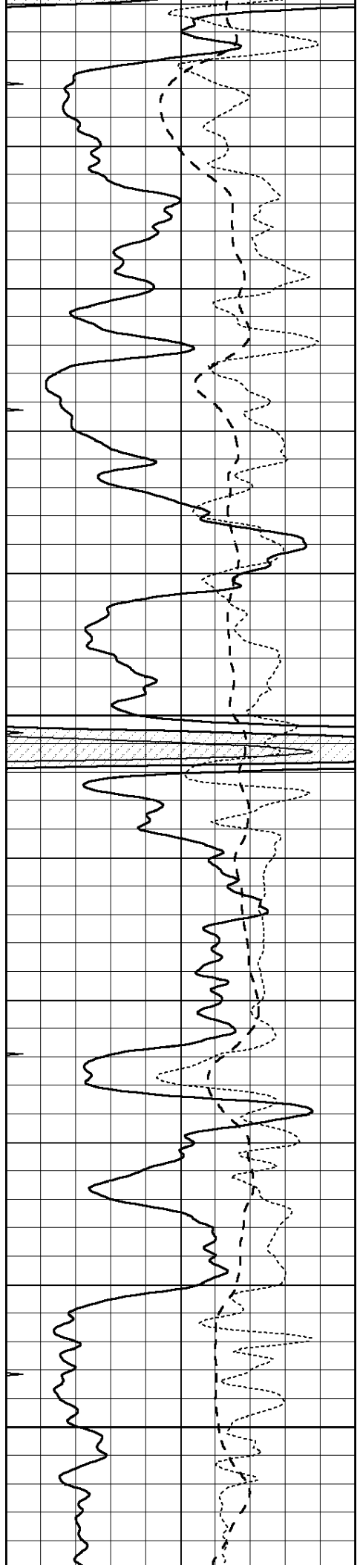
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



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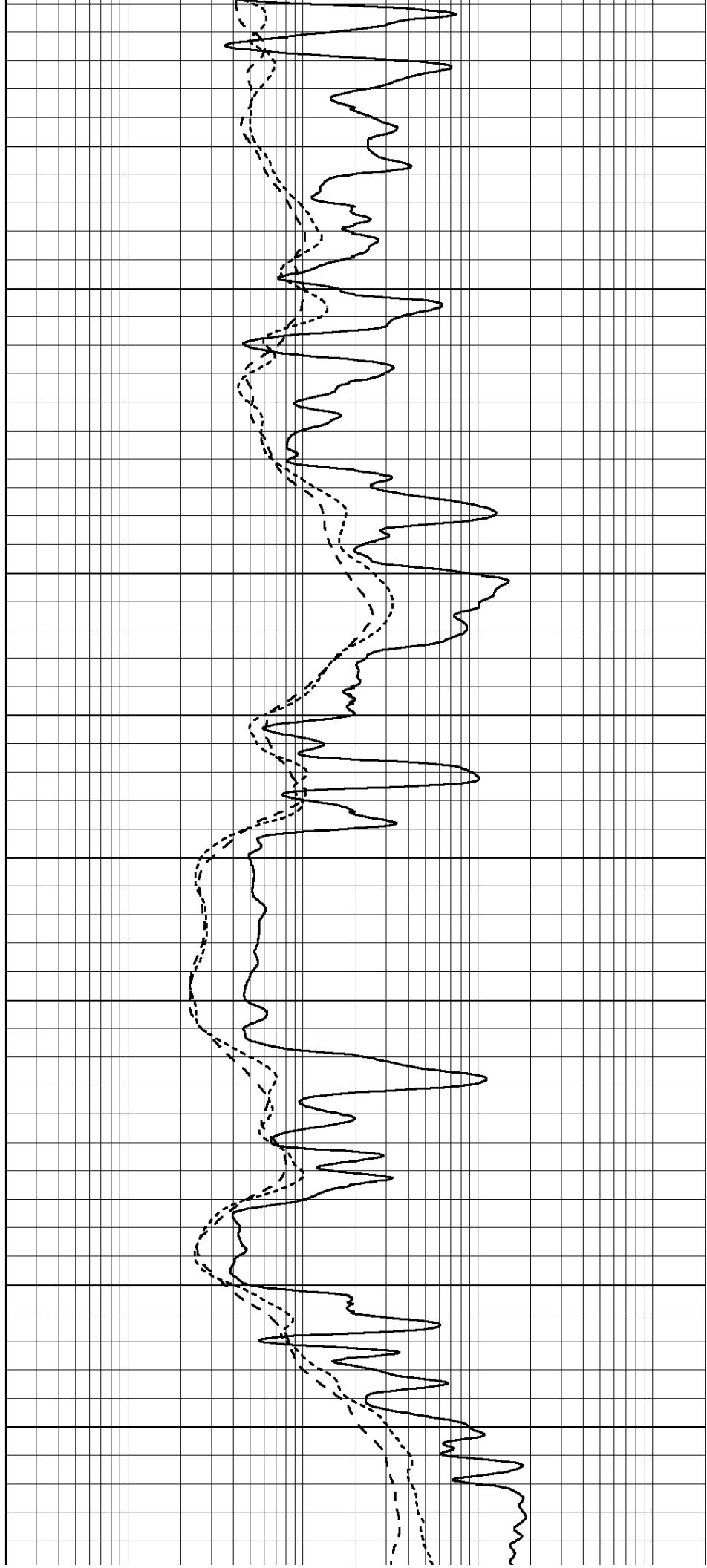


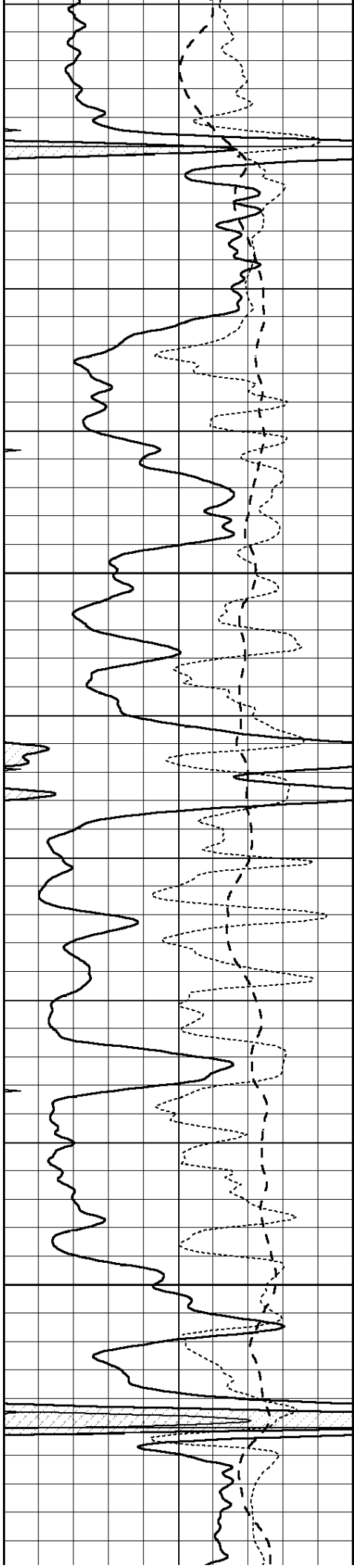
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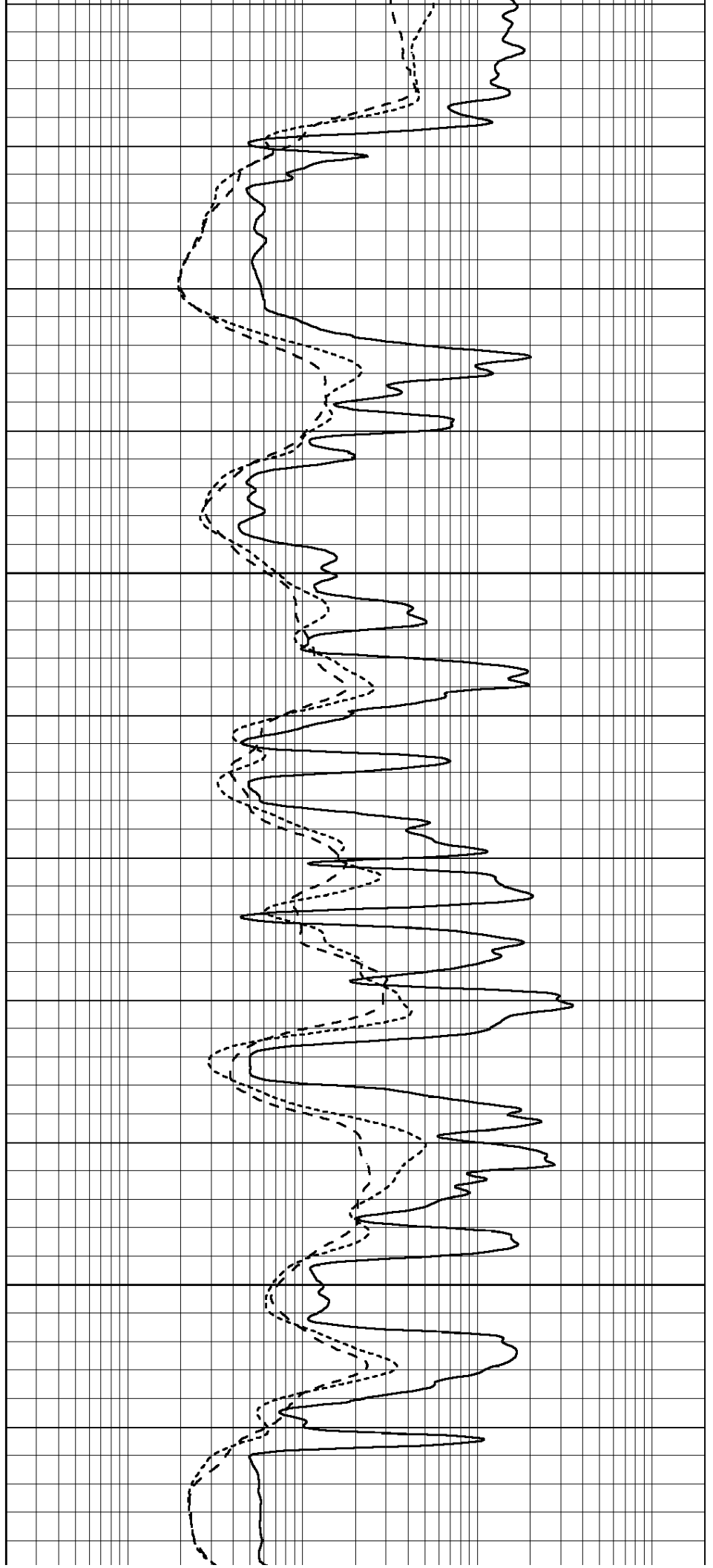
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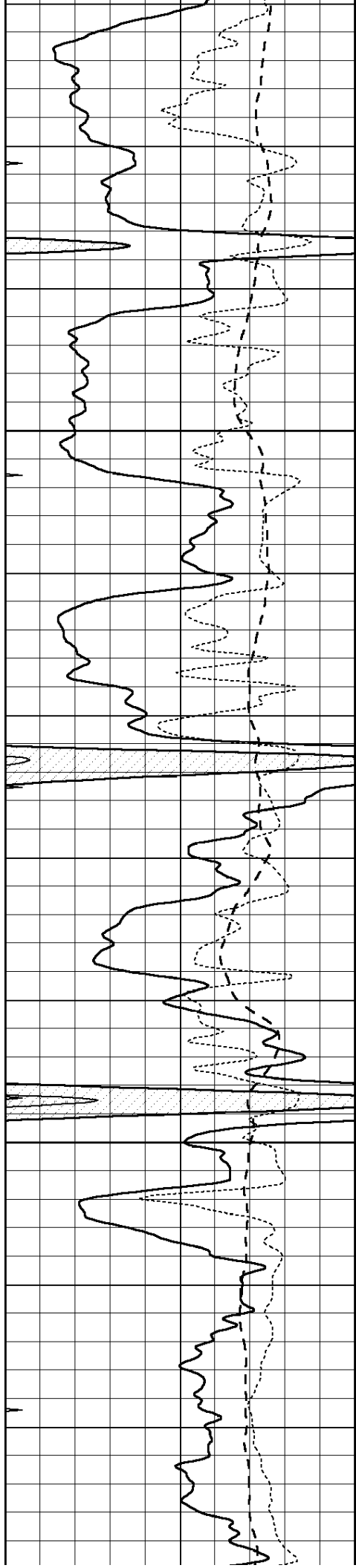




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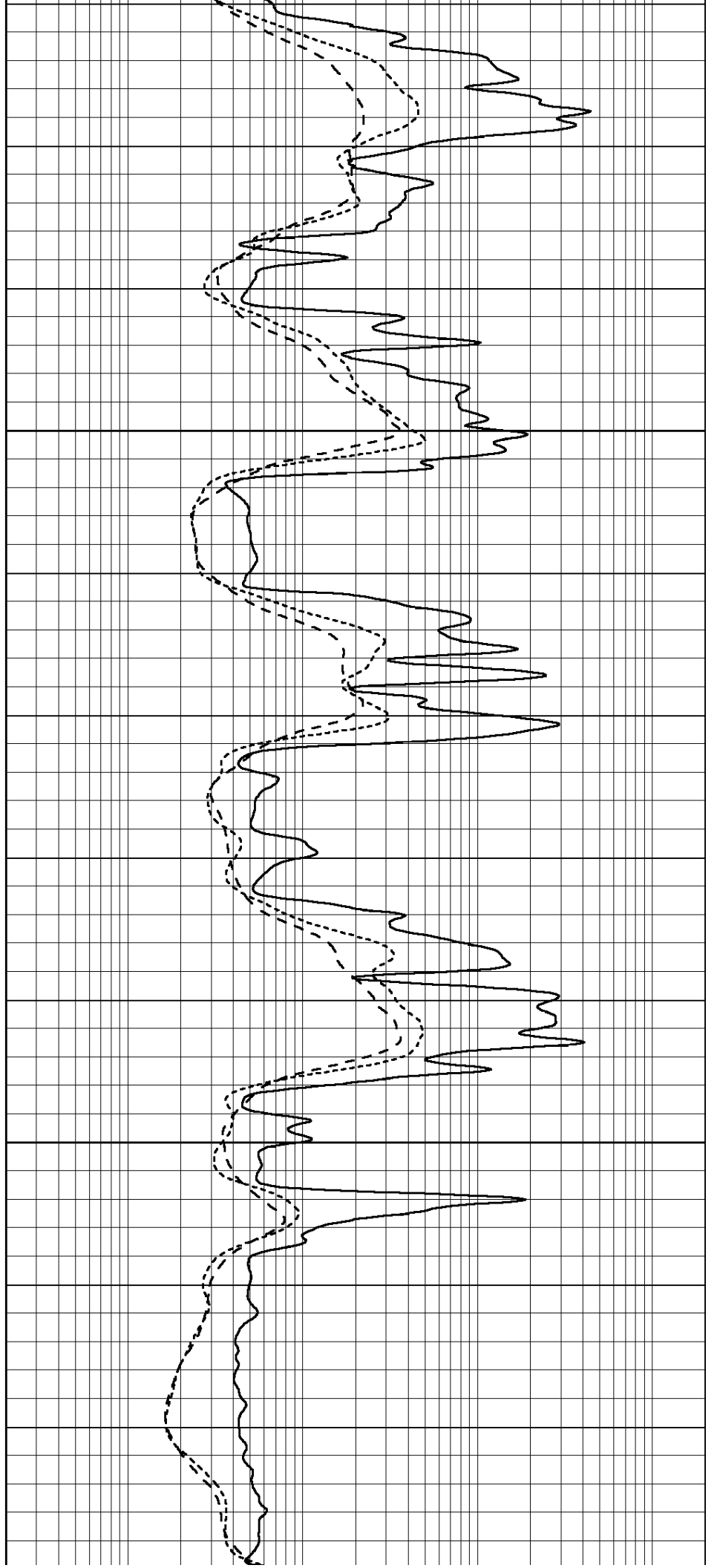
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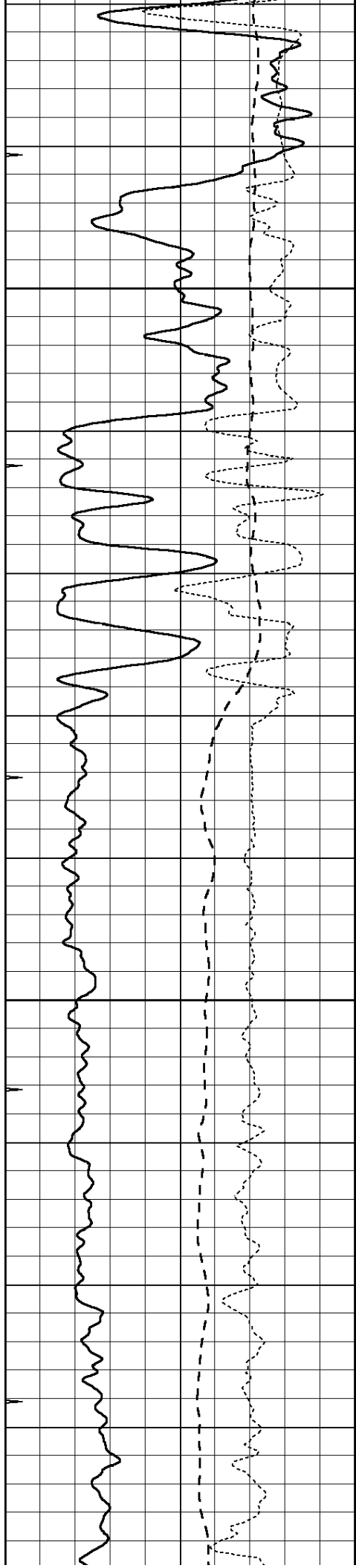




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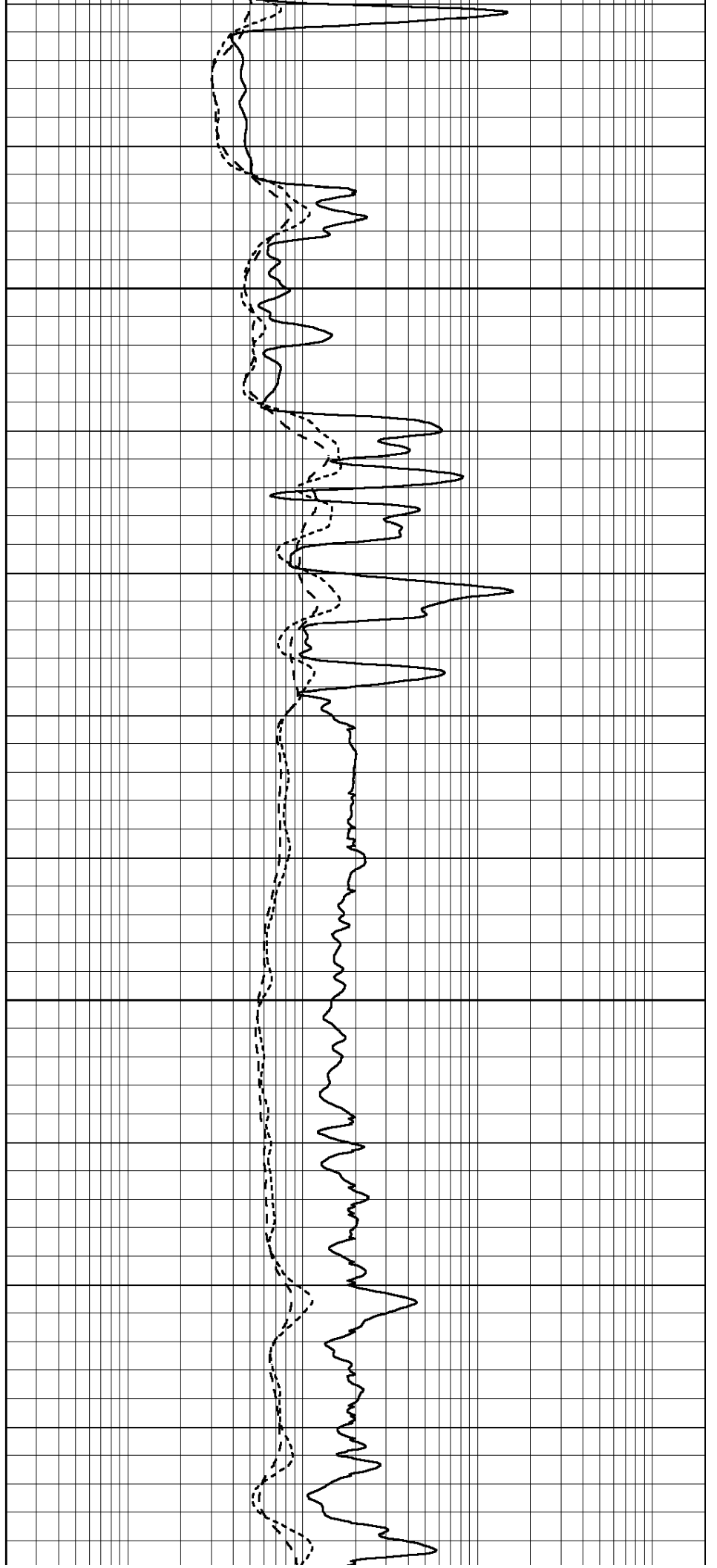
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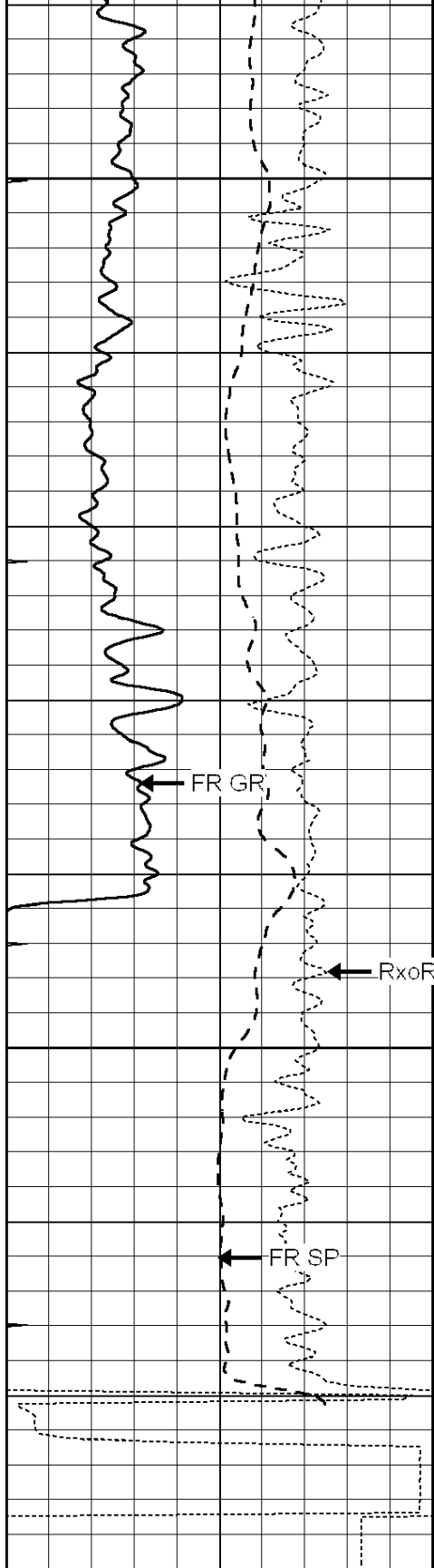




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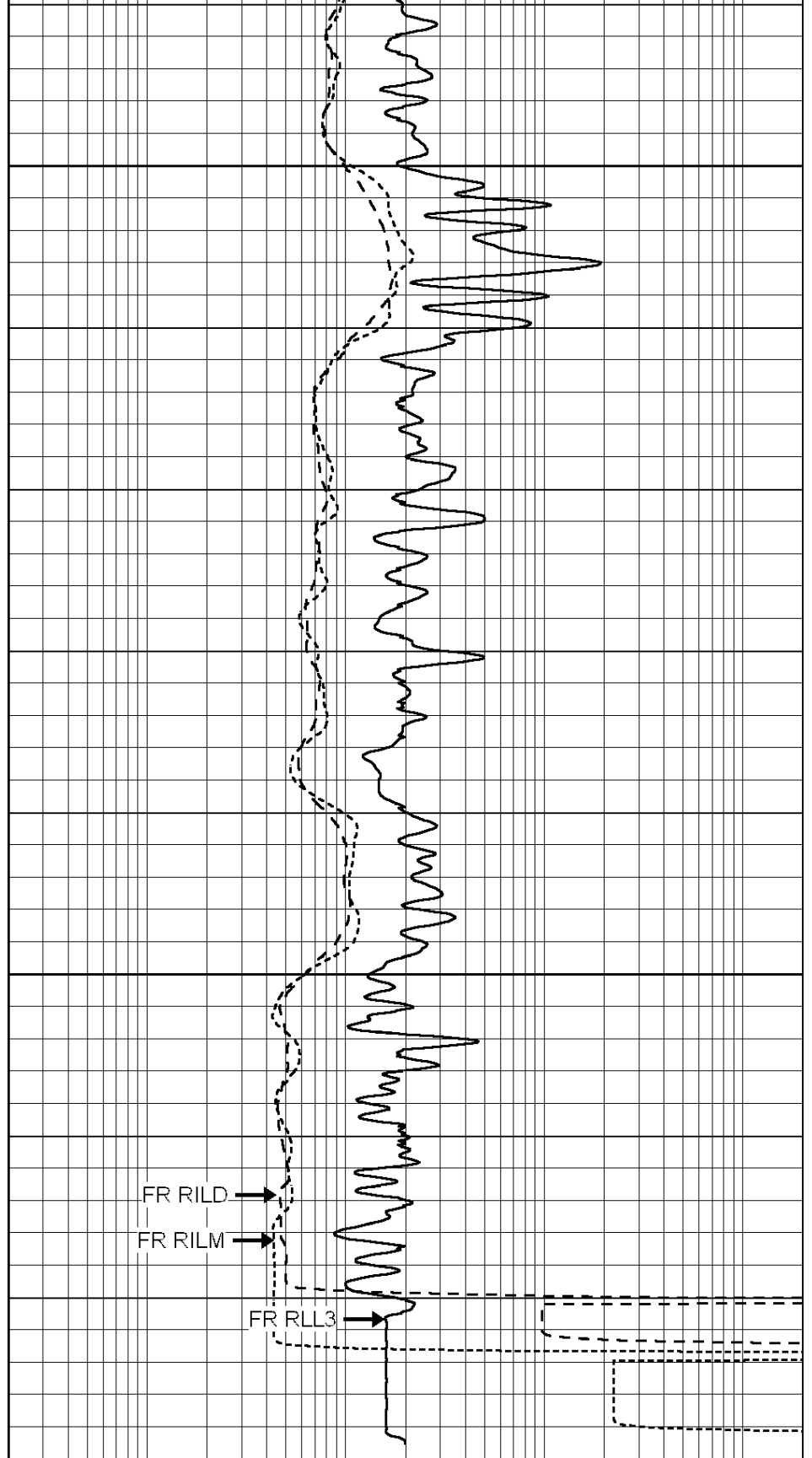


3700

3750

LTD 3774

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20



FR RILD

FR RILM

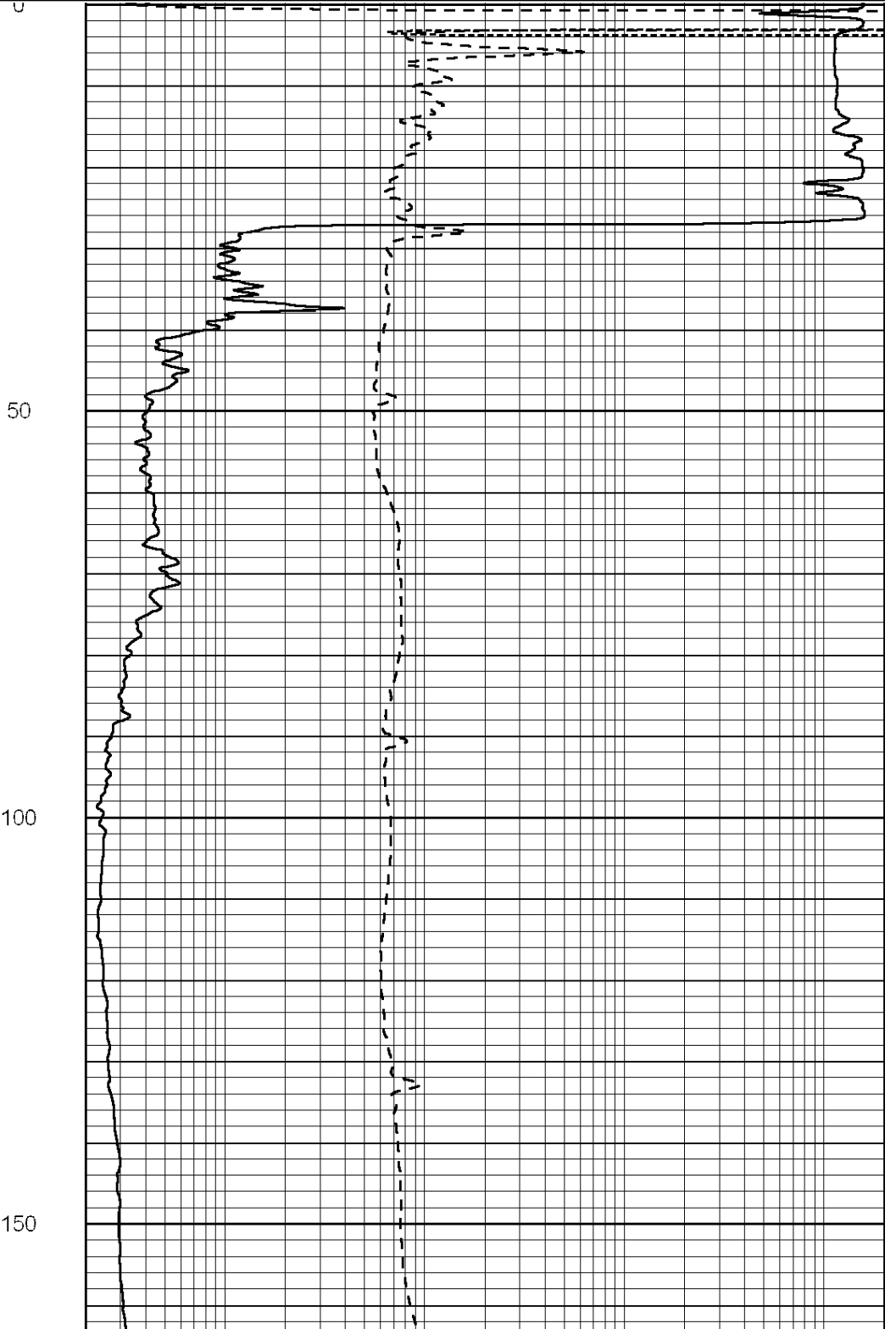
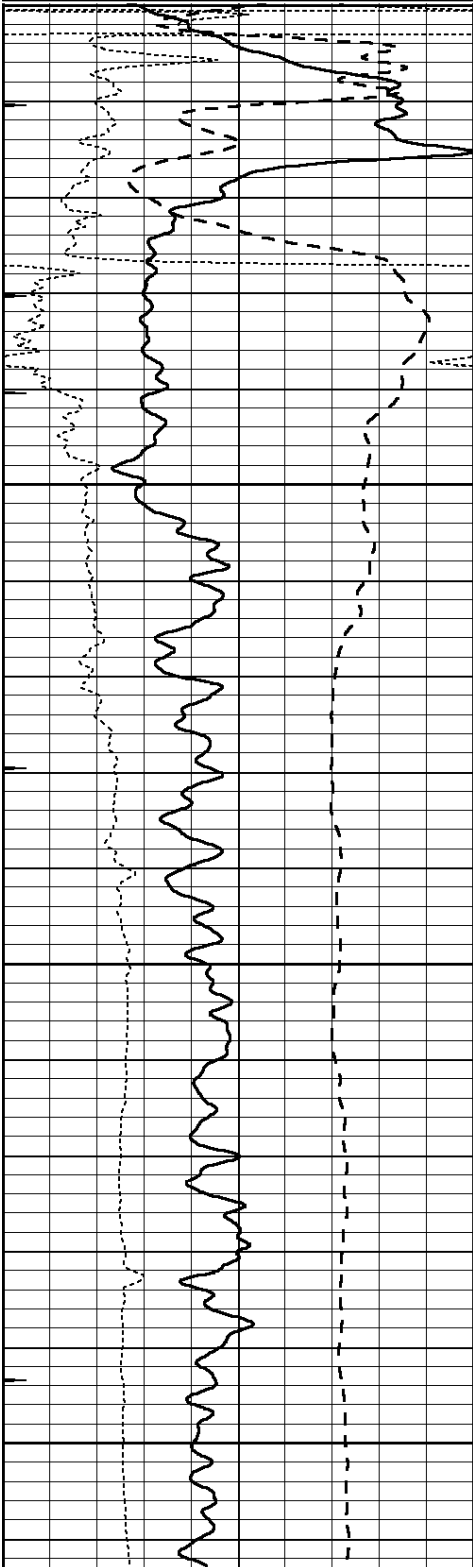
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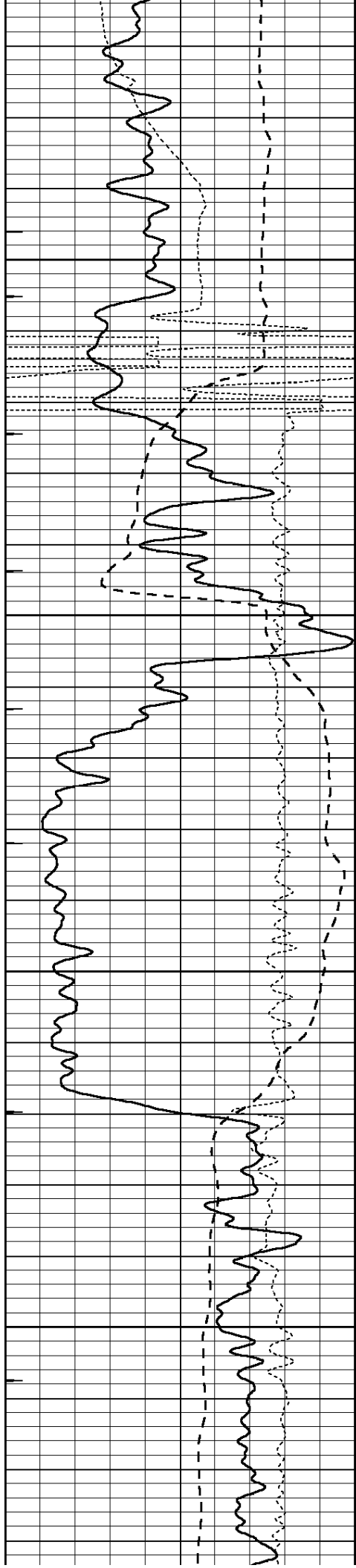
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0.2	DEEP INDUCTION (Ohm-m)	2000
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0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



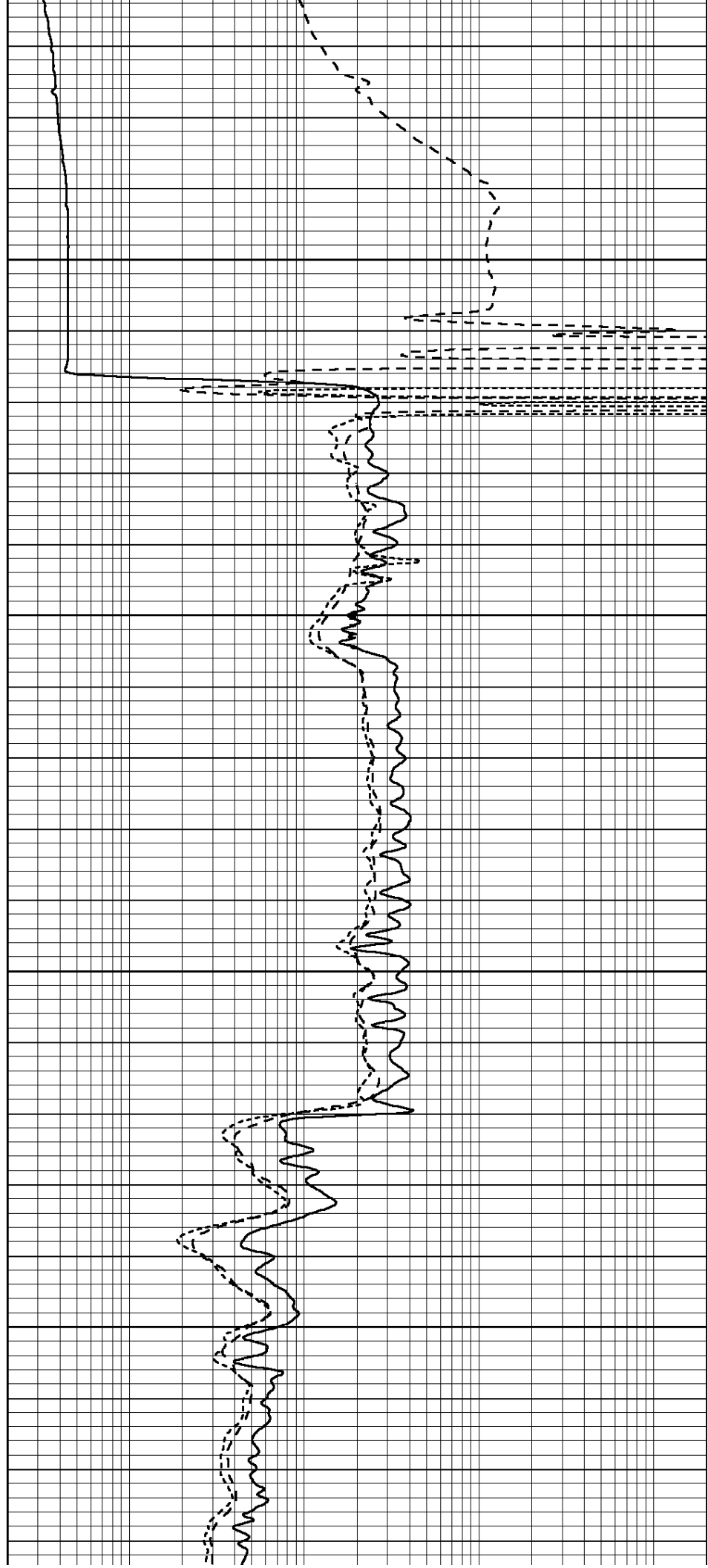


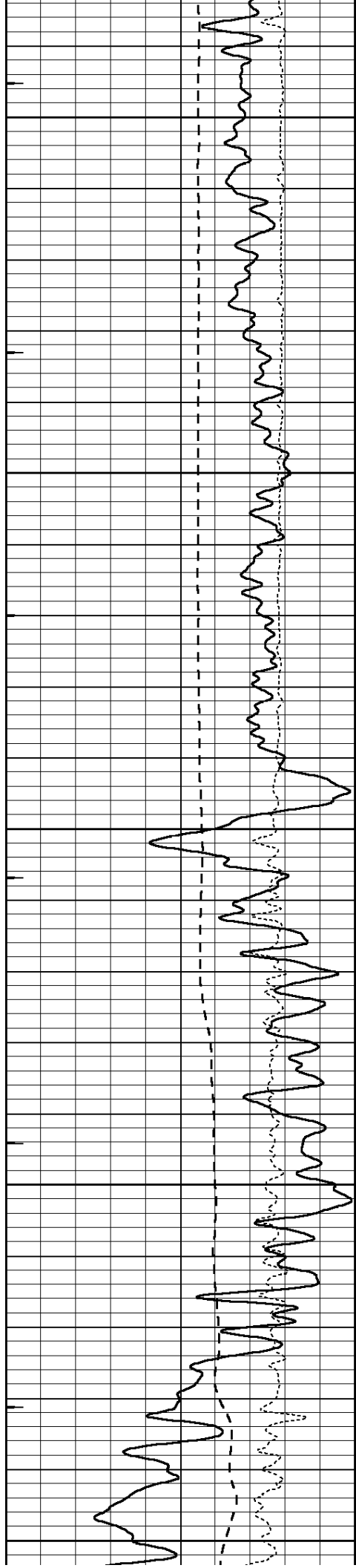
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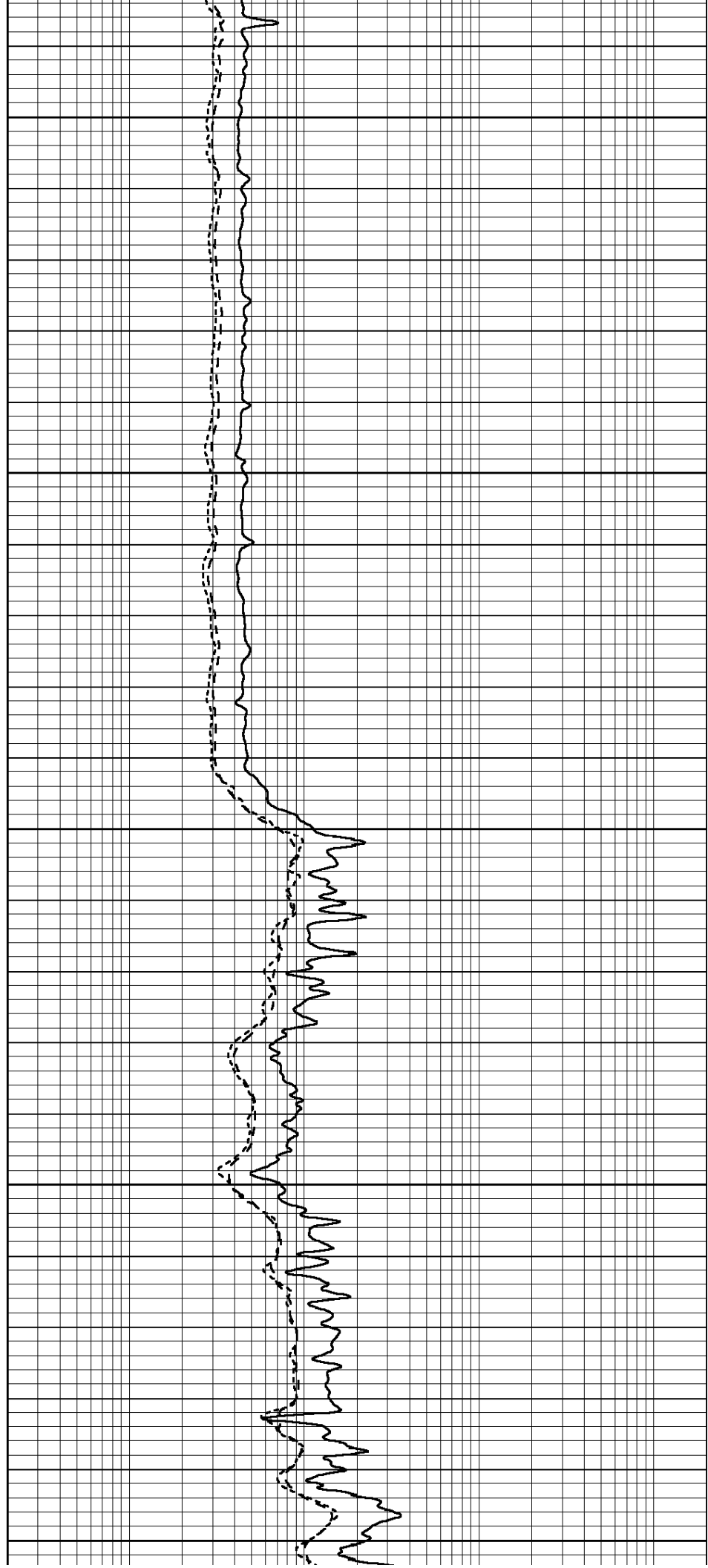
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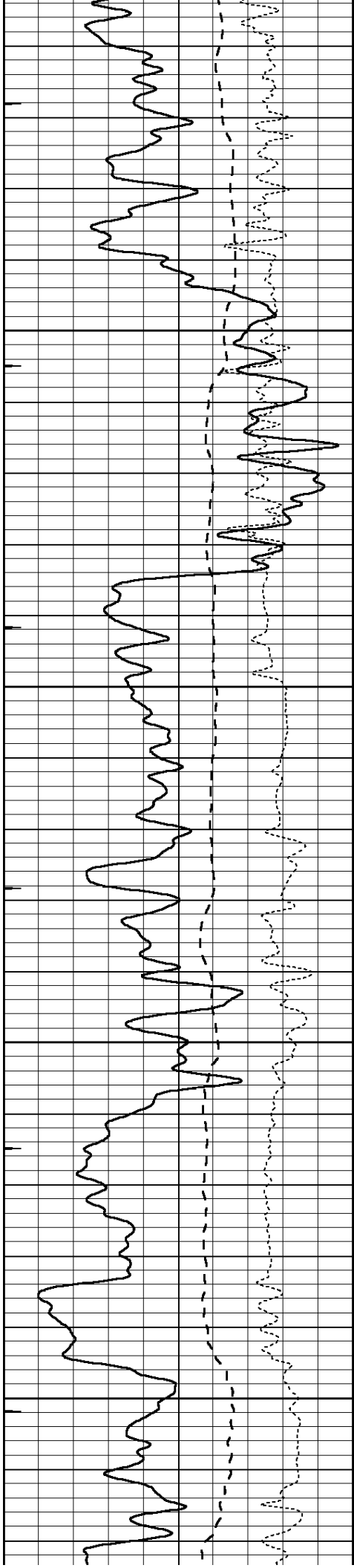
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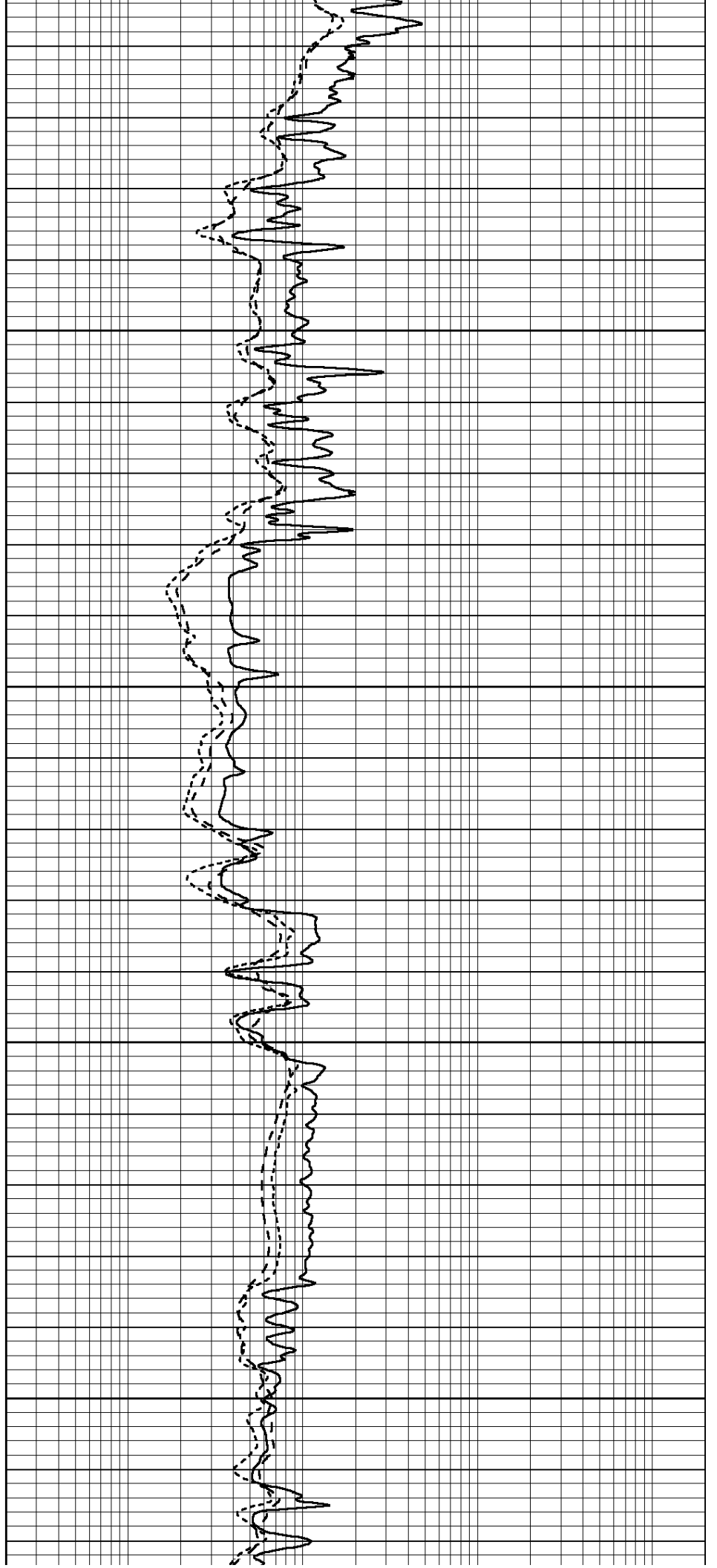


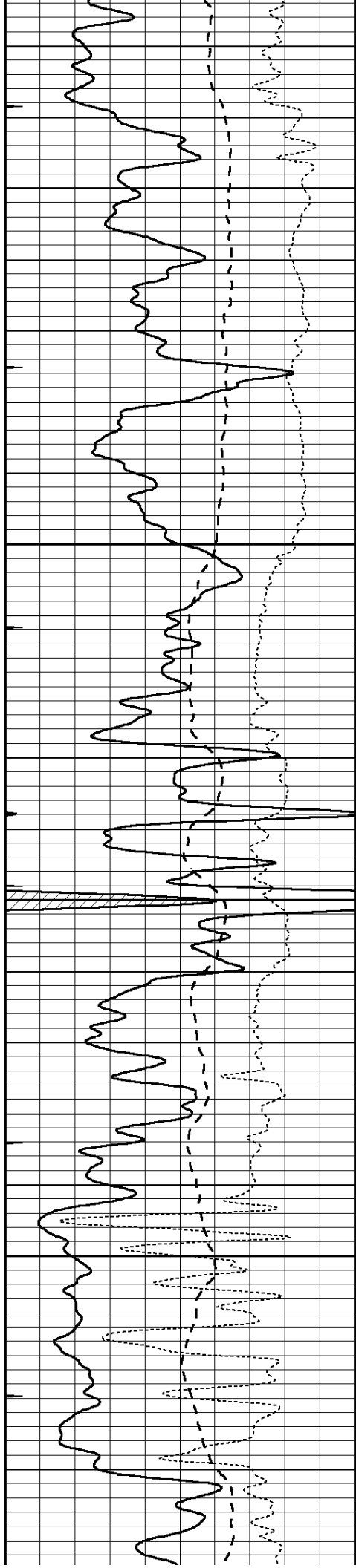
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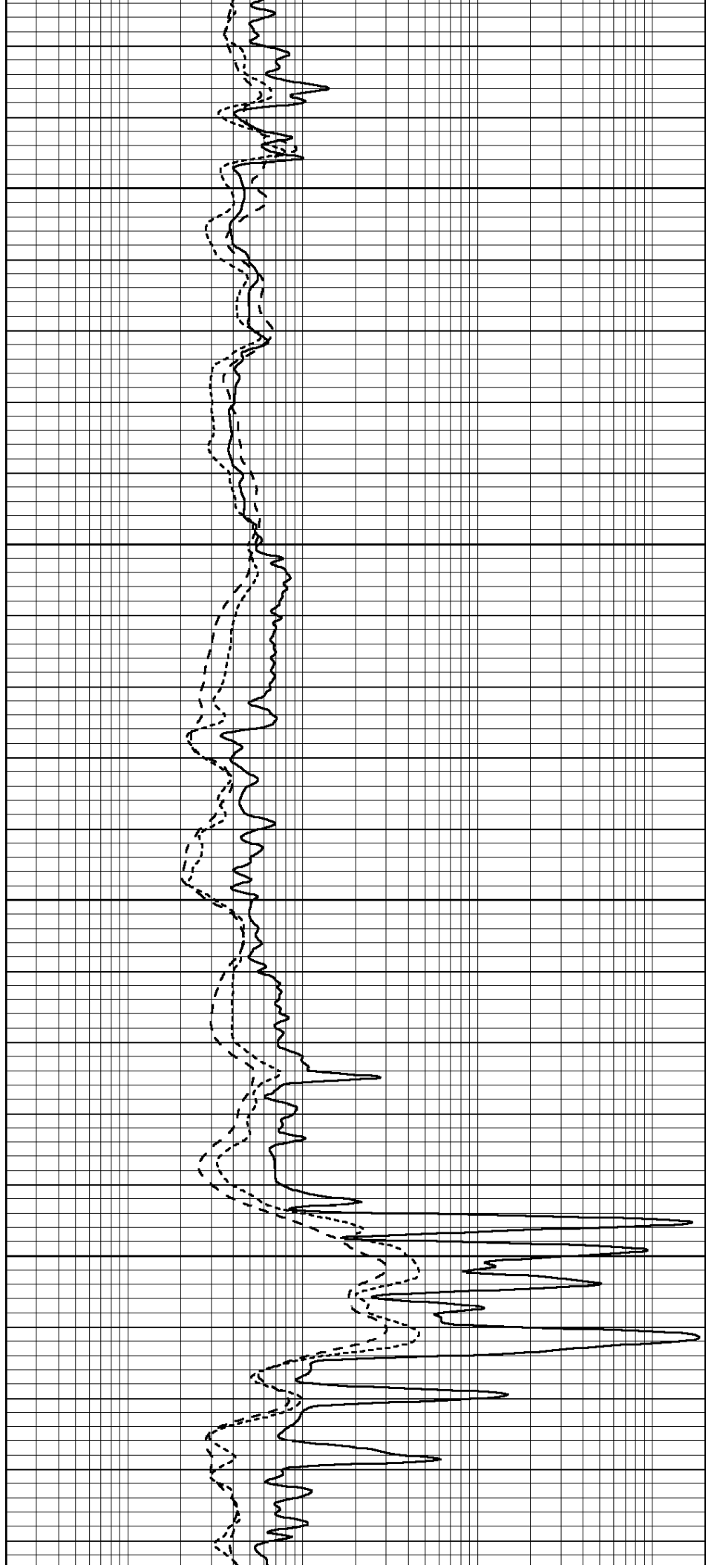


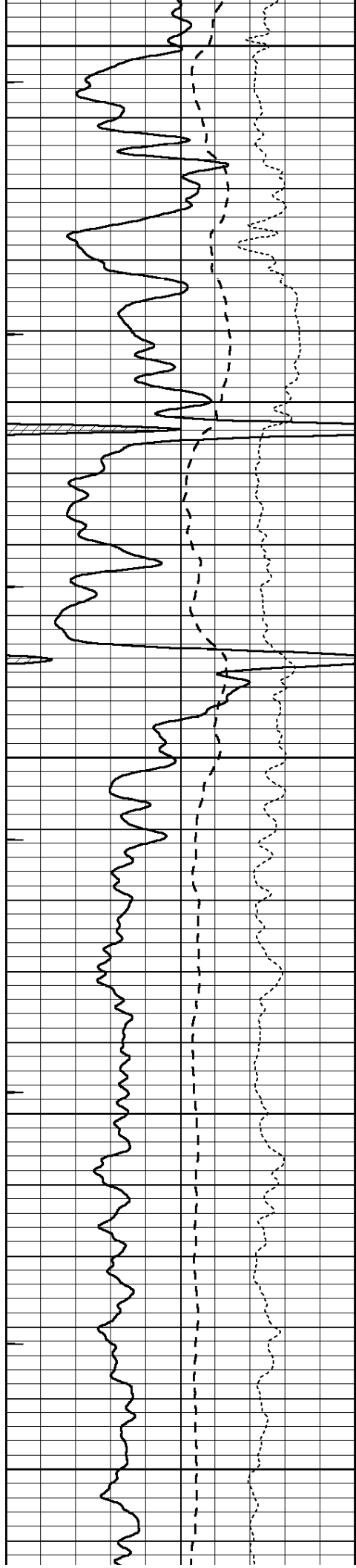
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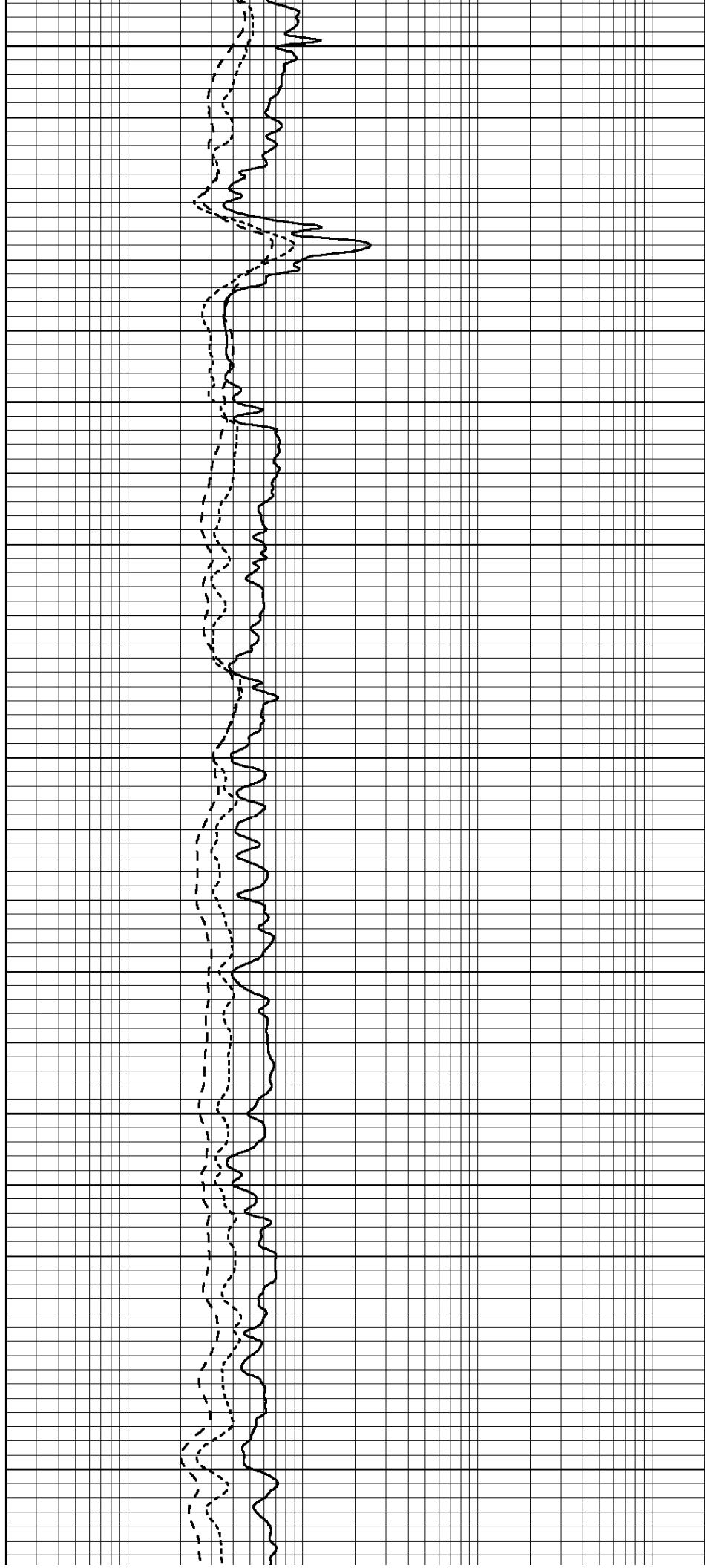
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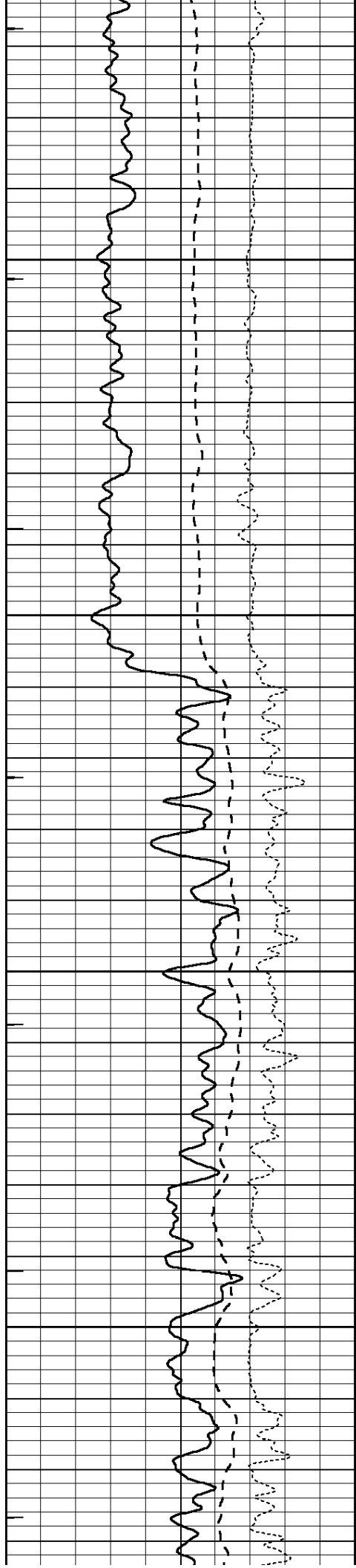
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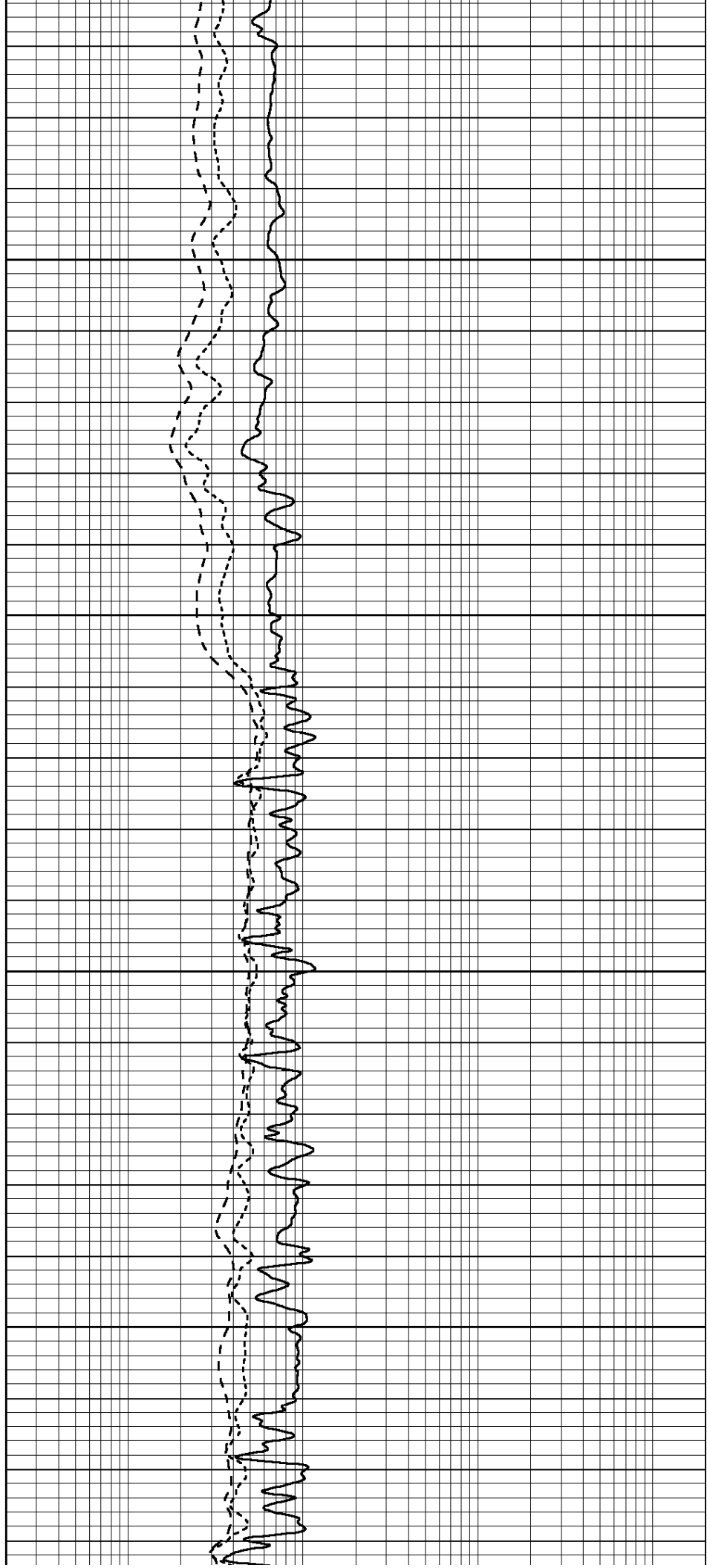


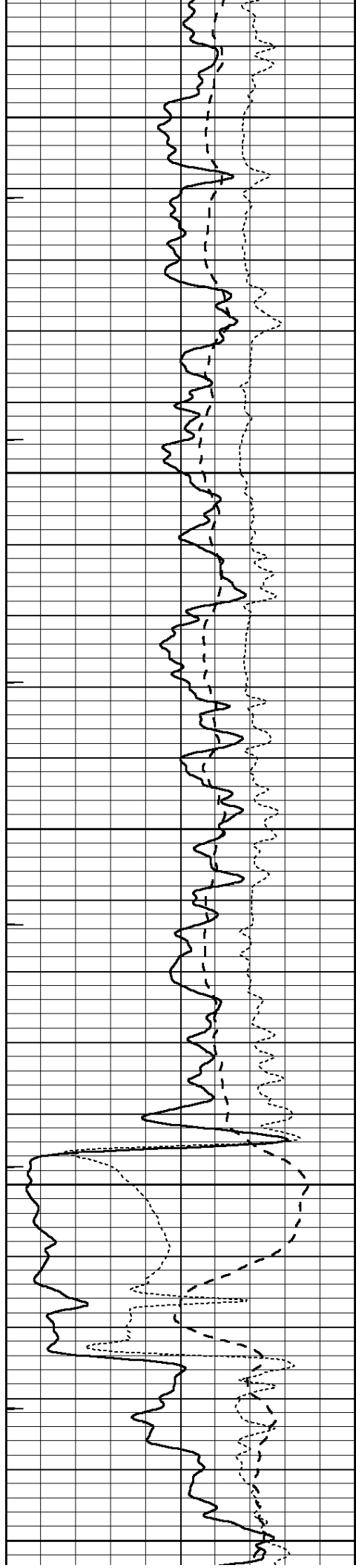
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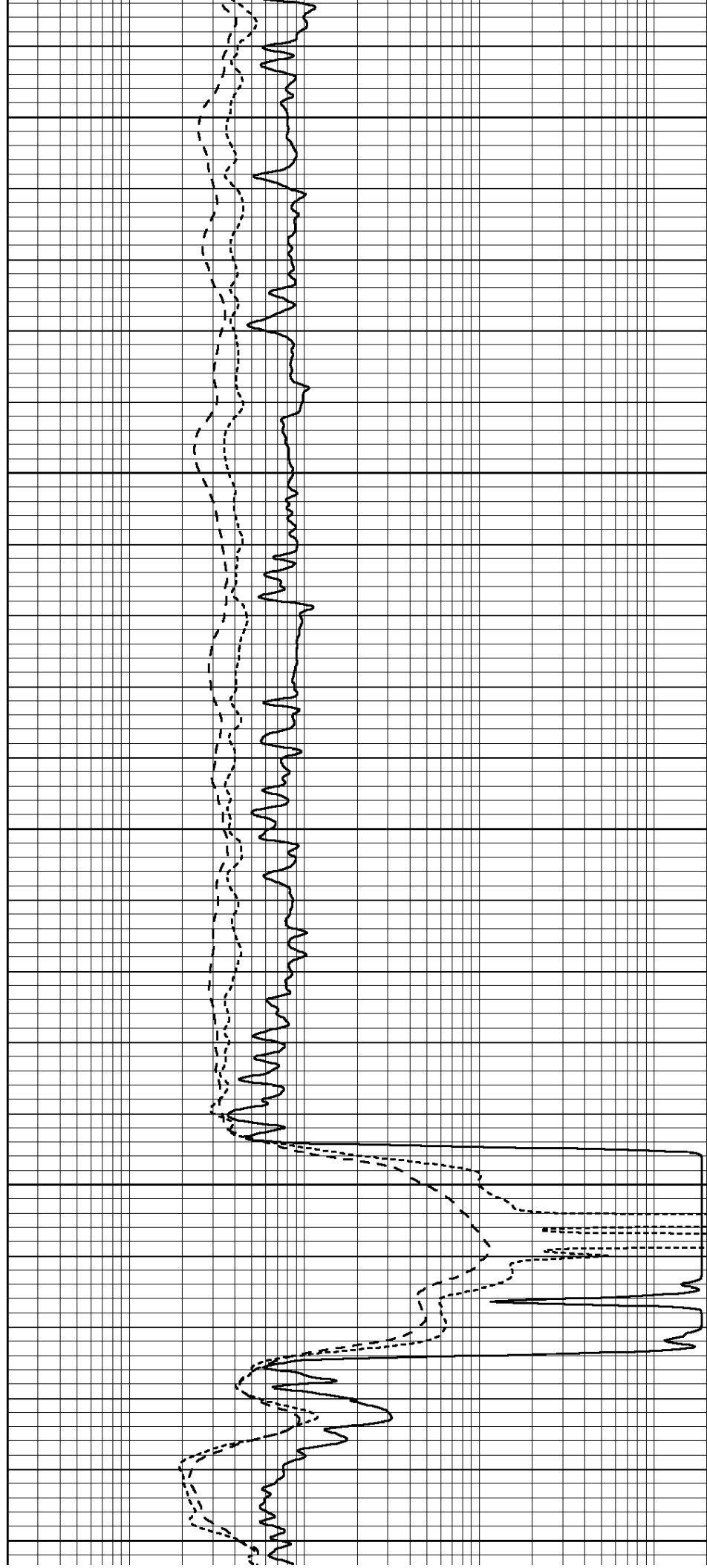
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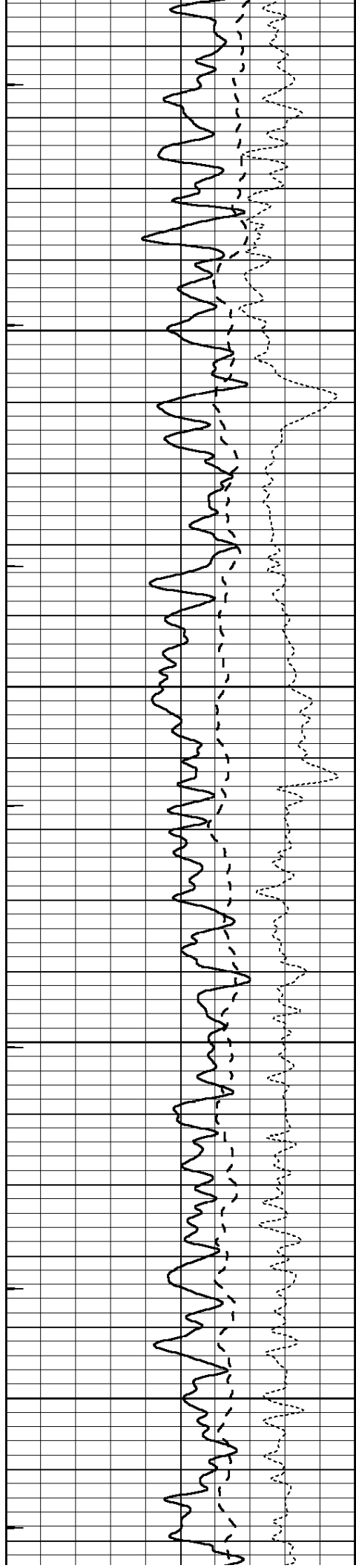
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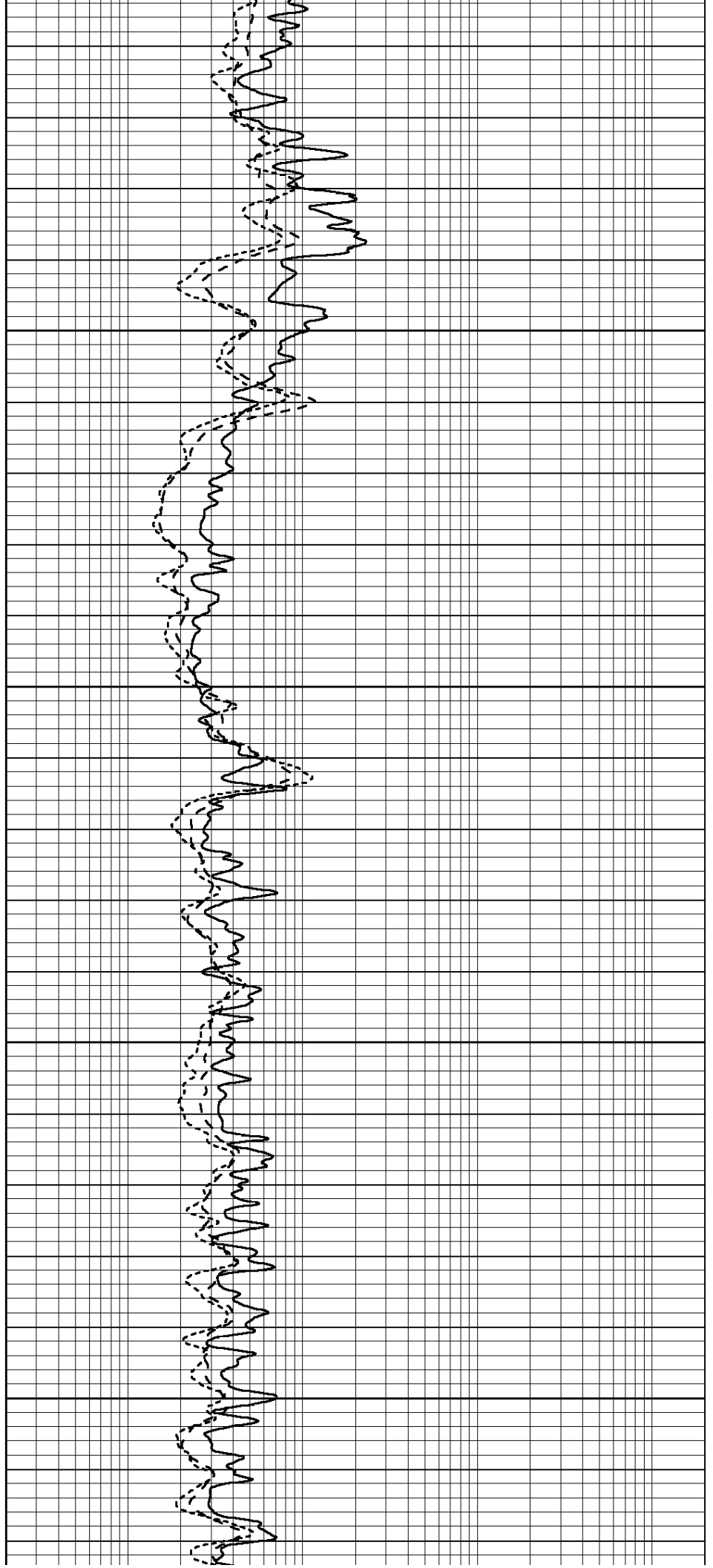


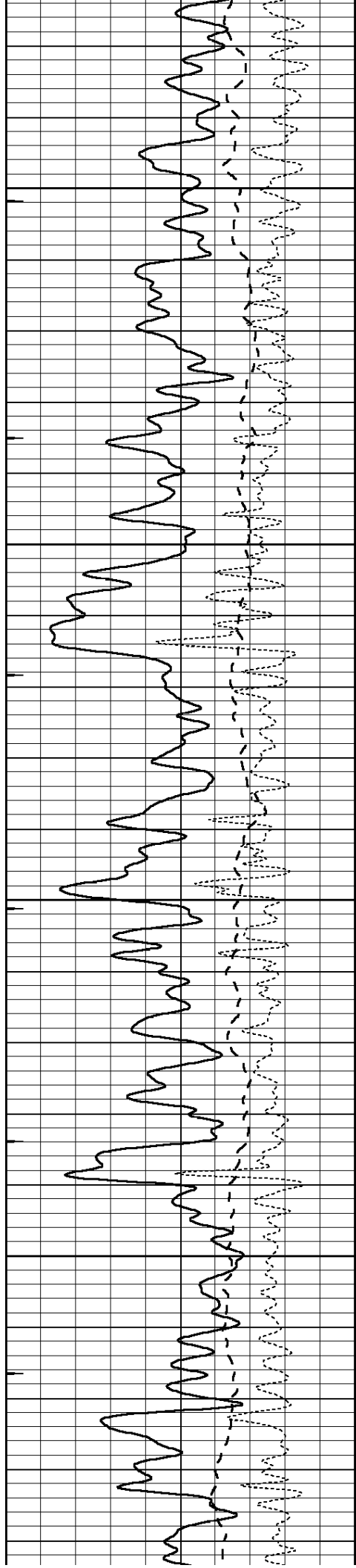
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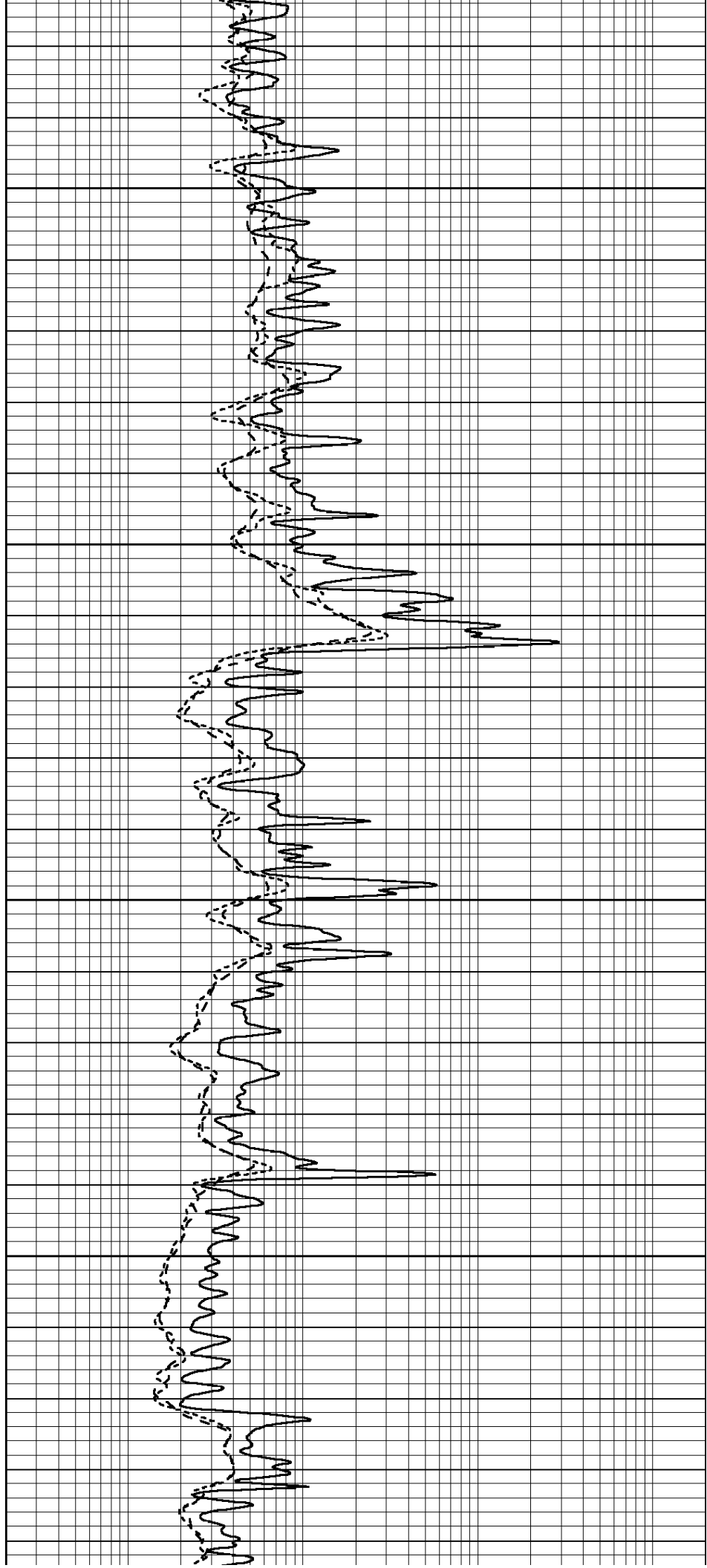


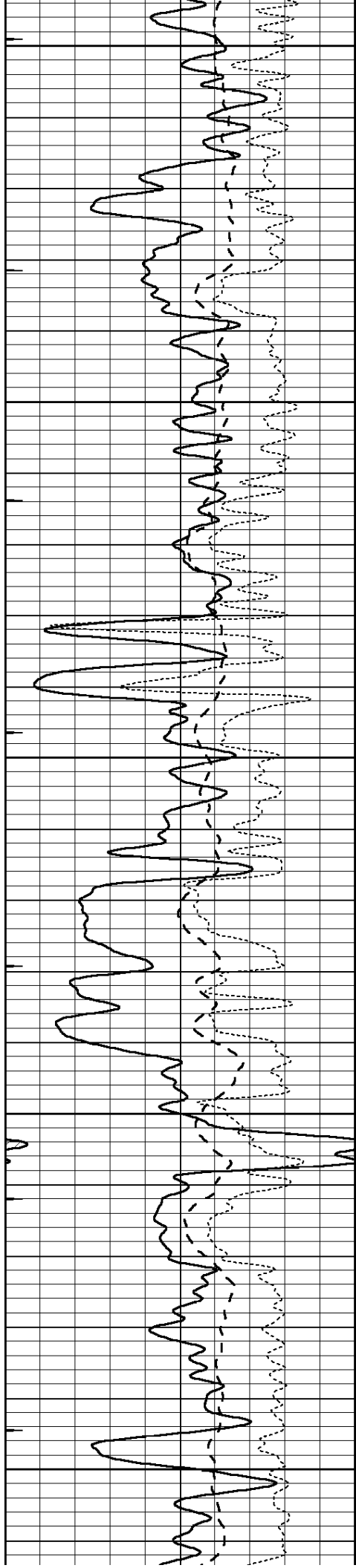
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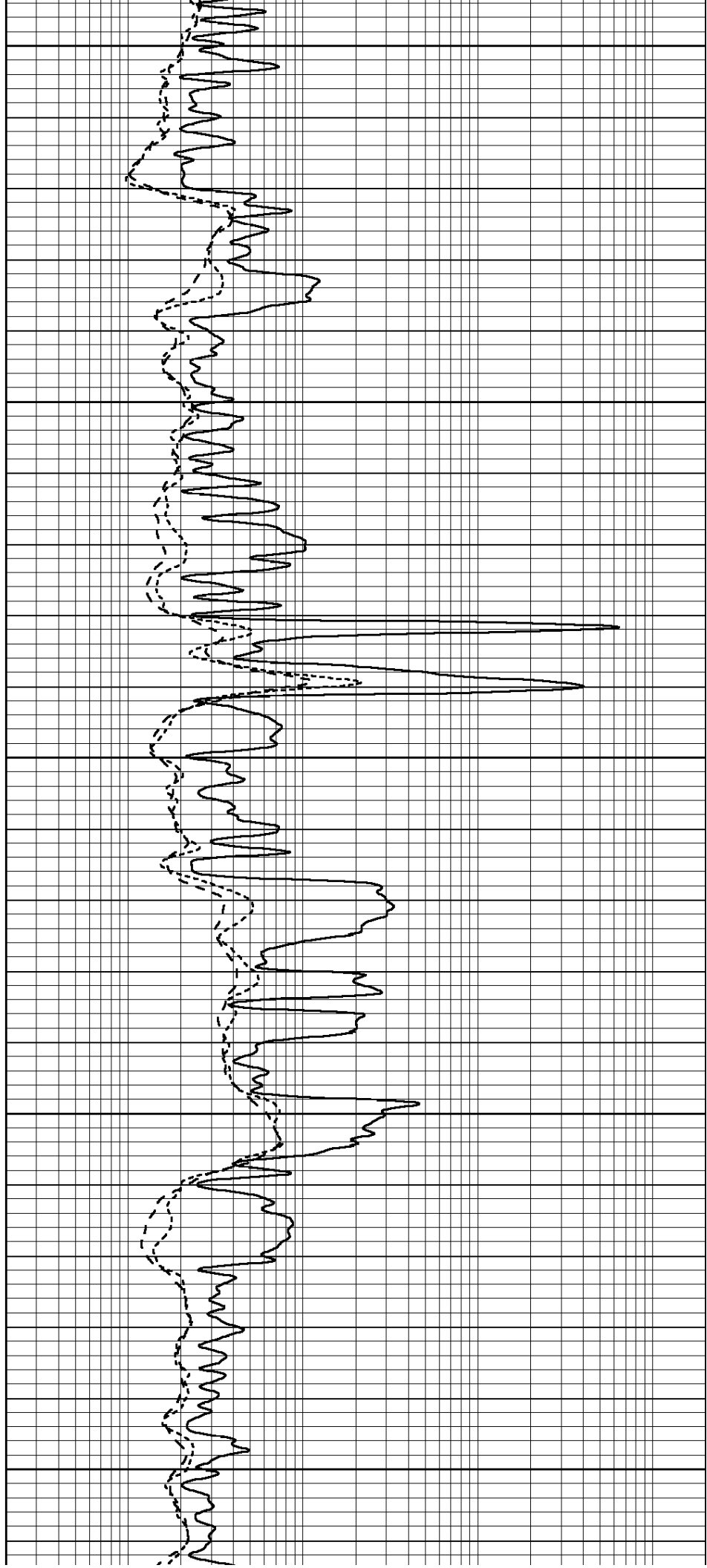
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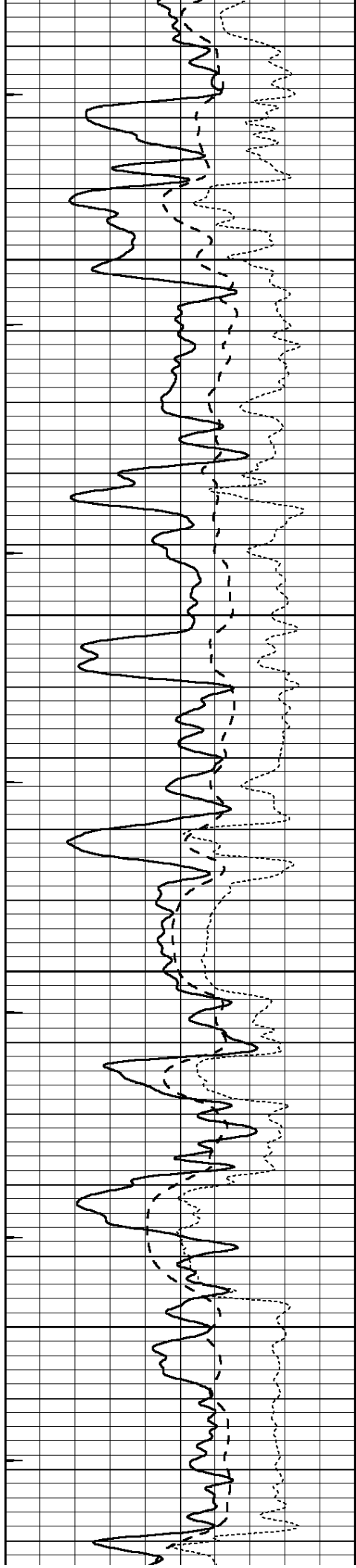
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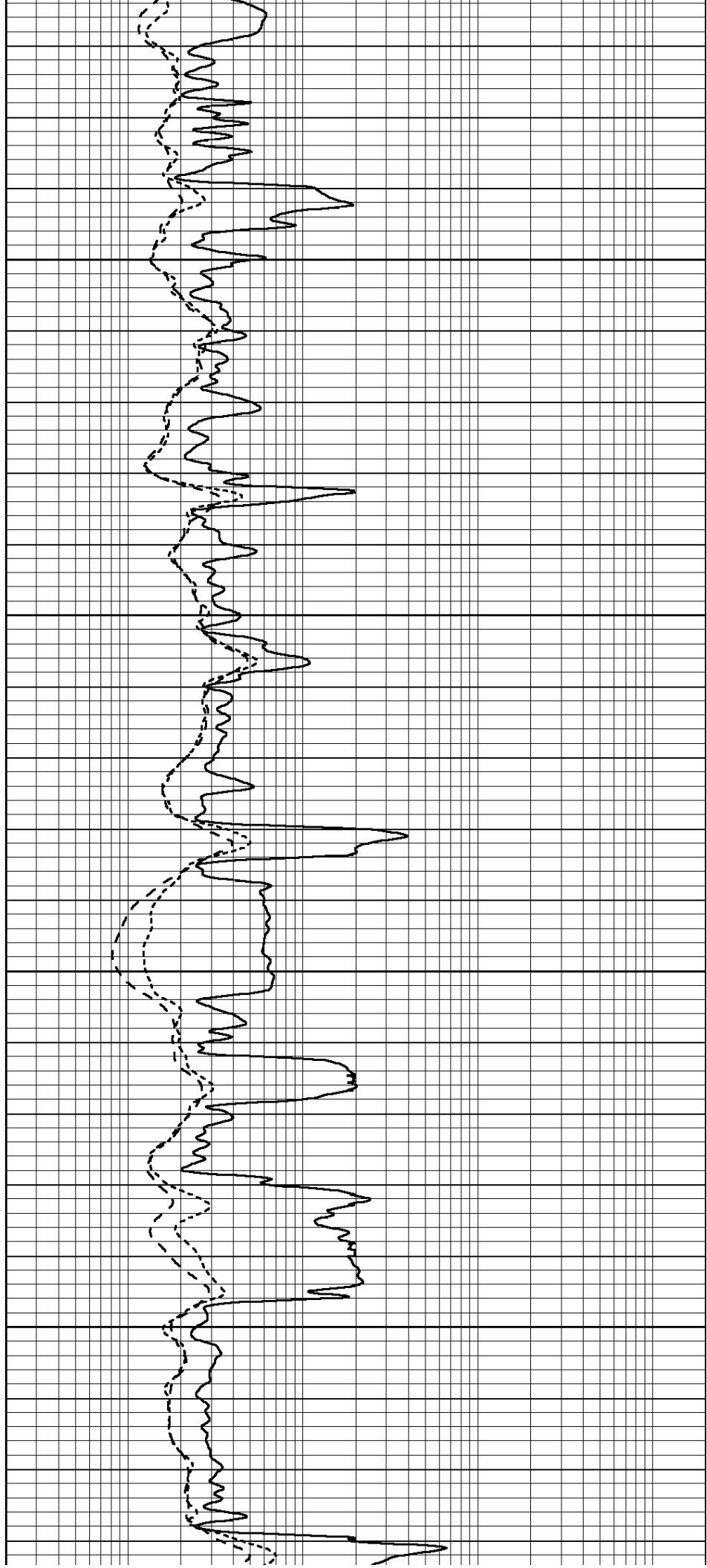


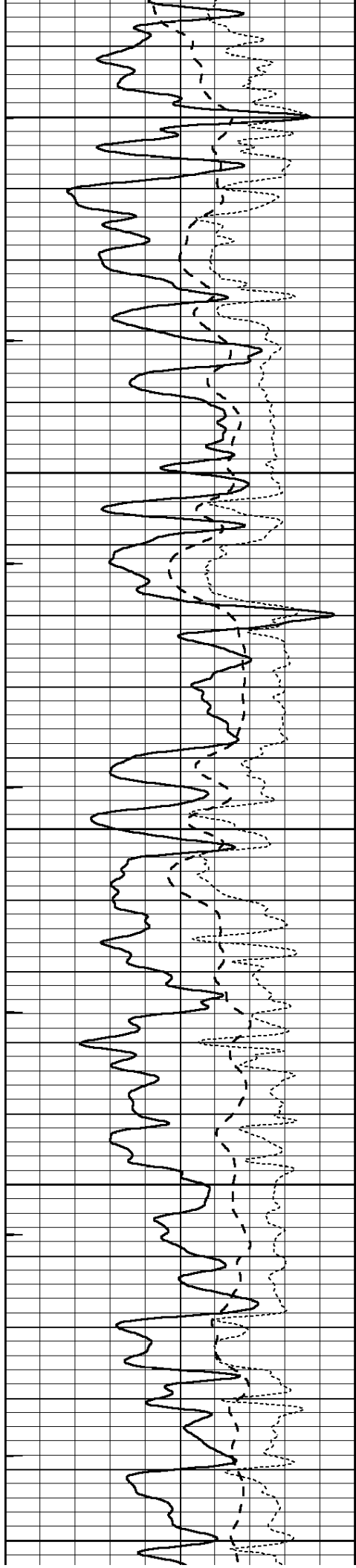
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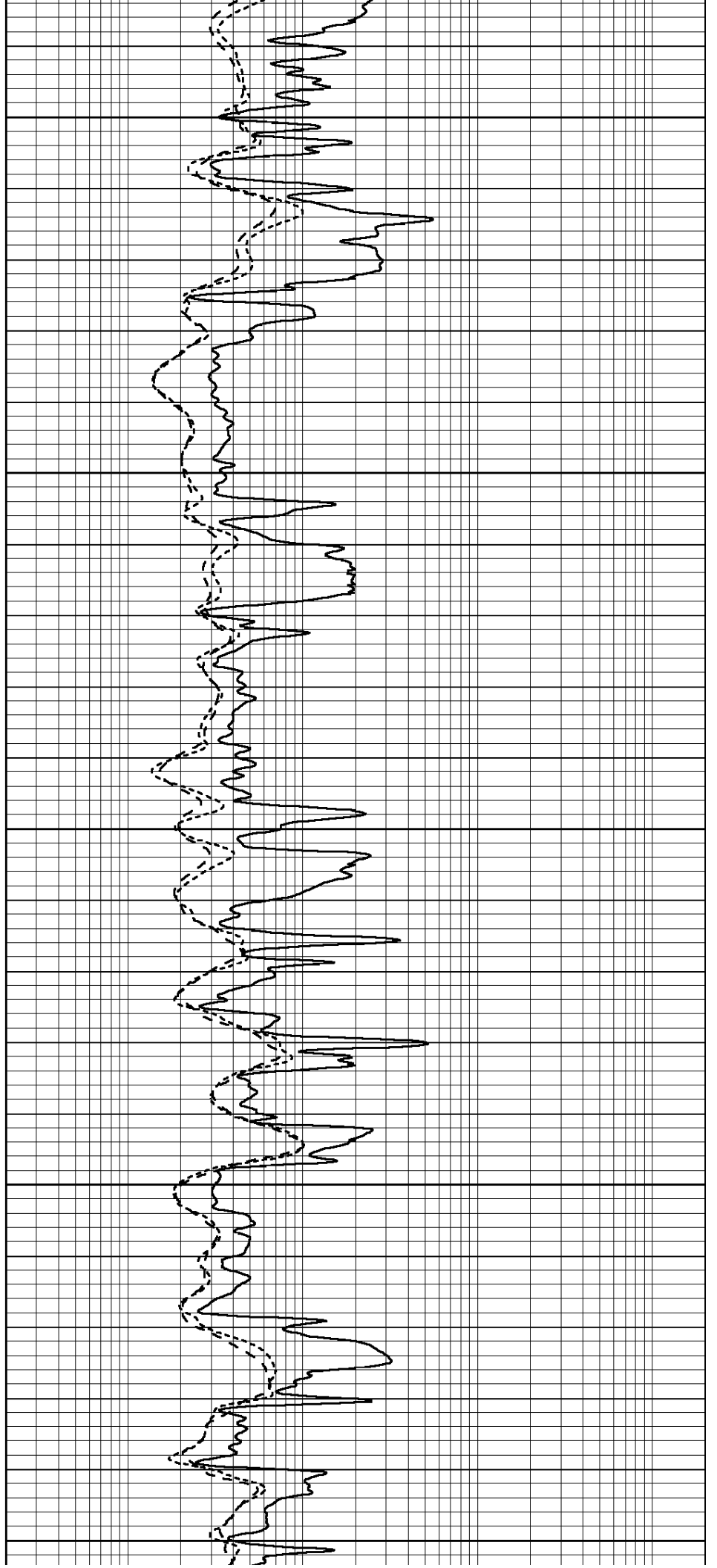
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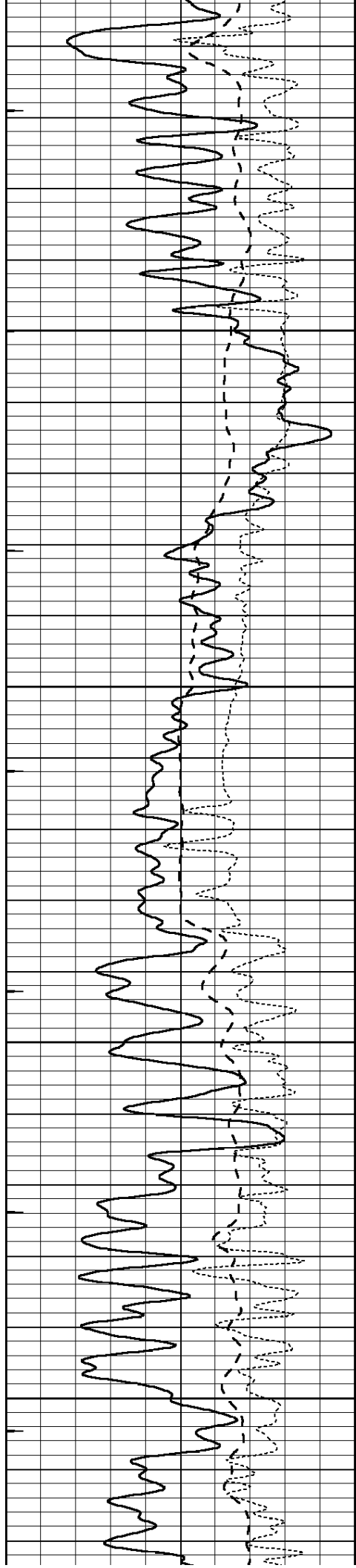
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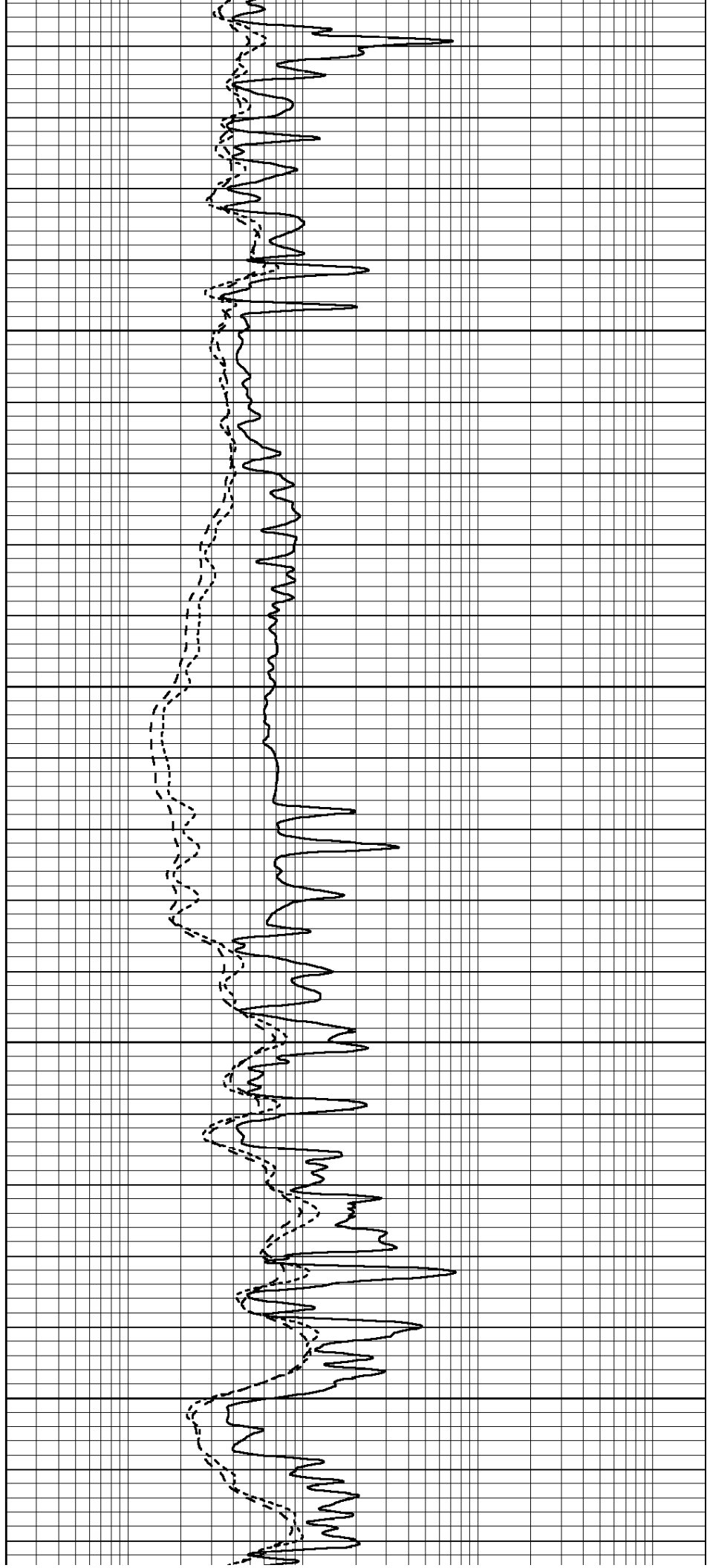


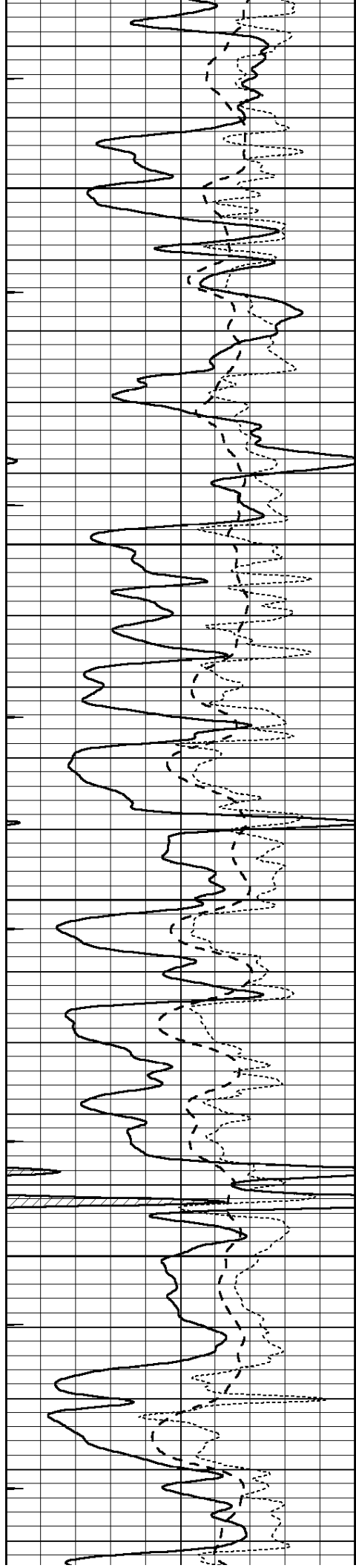
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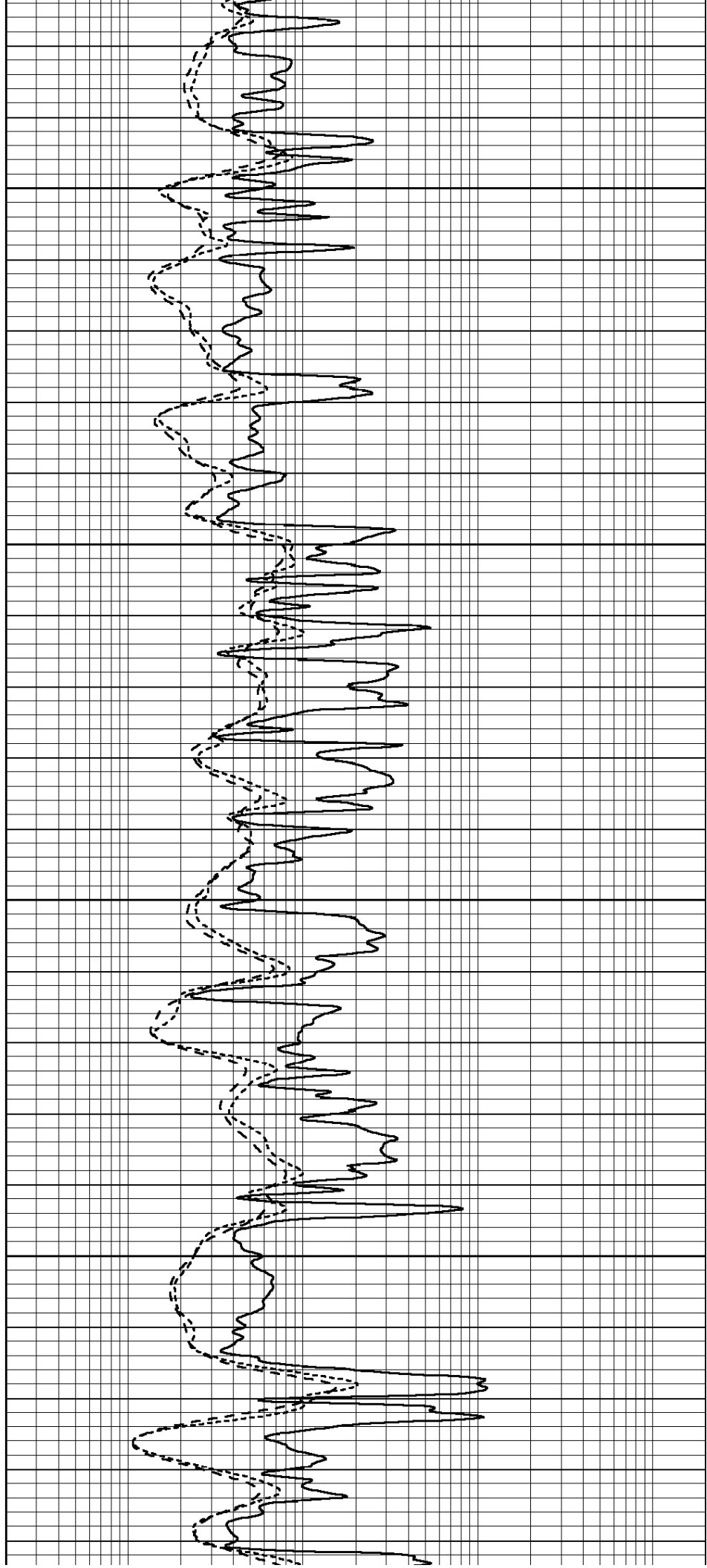


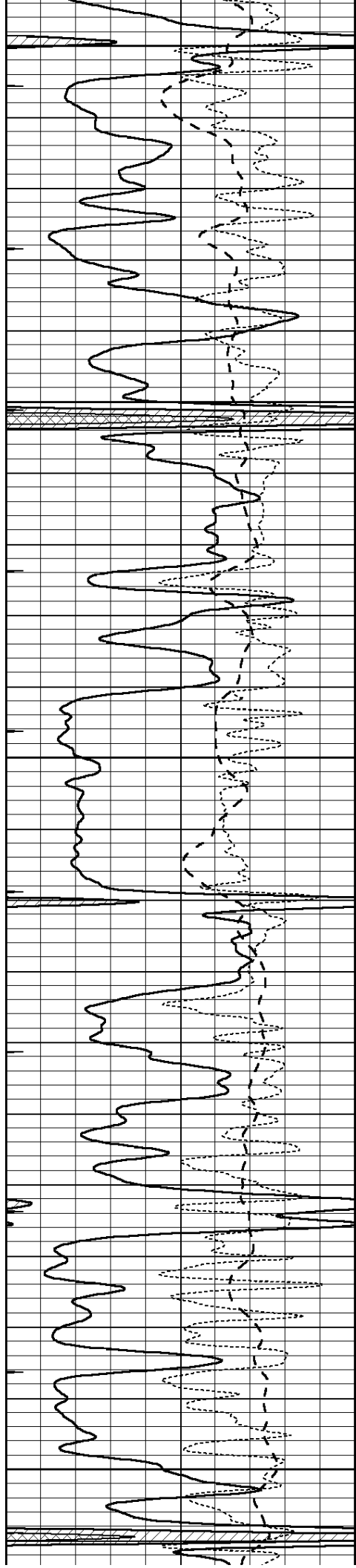
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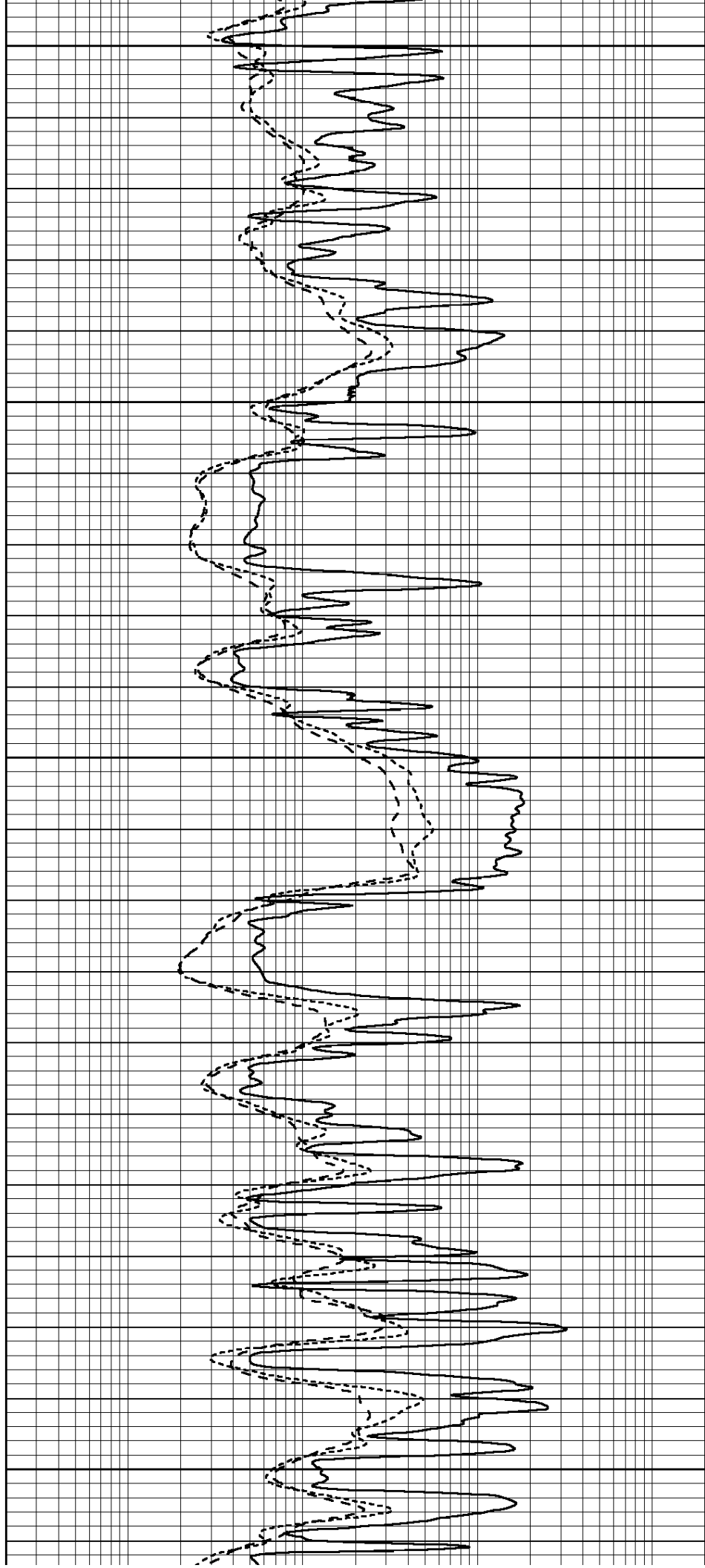
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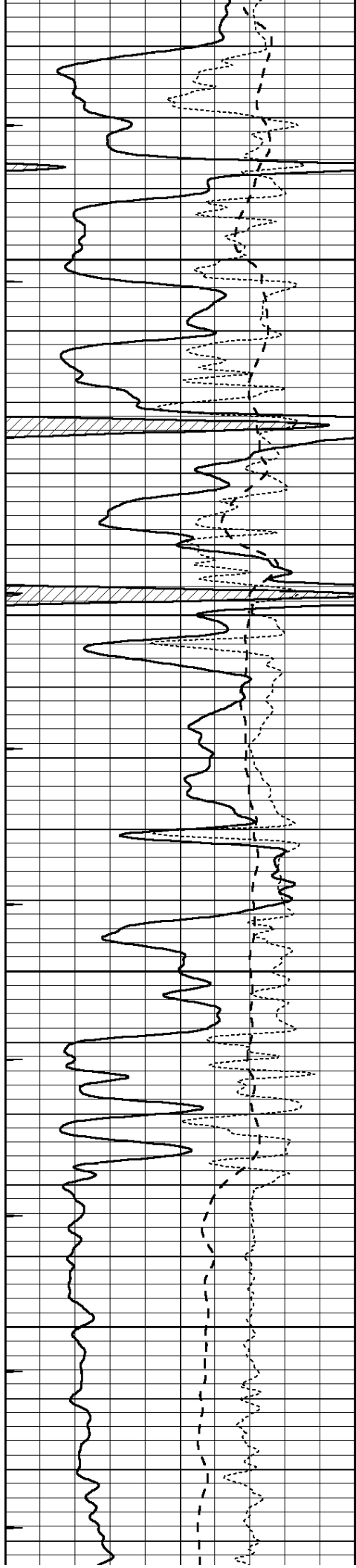
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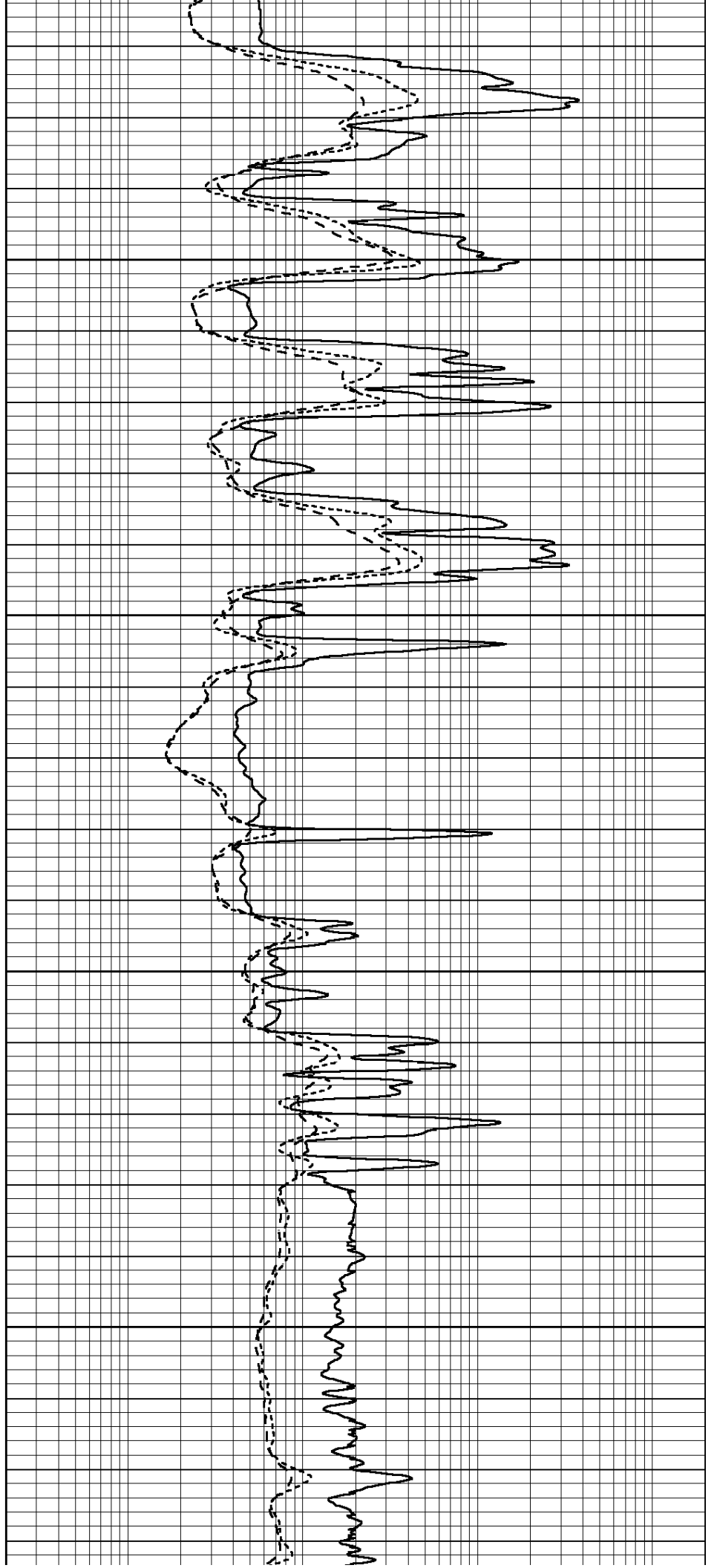


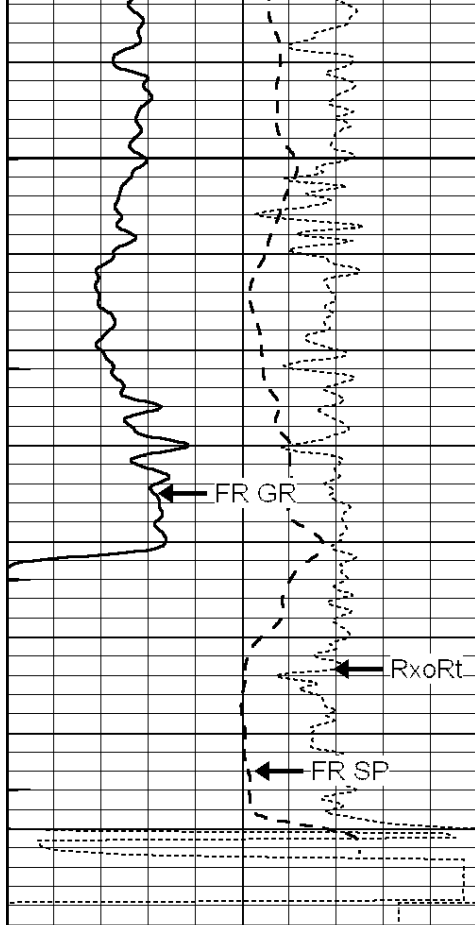
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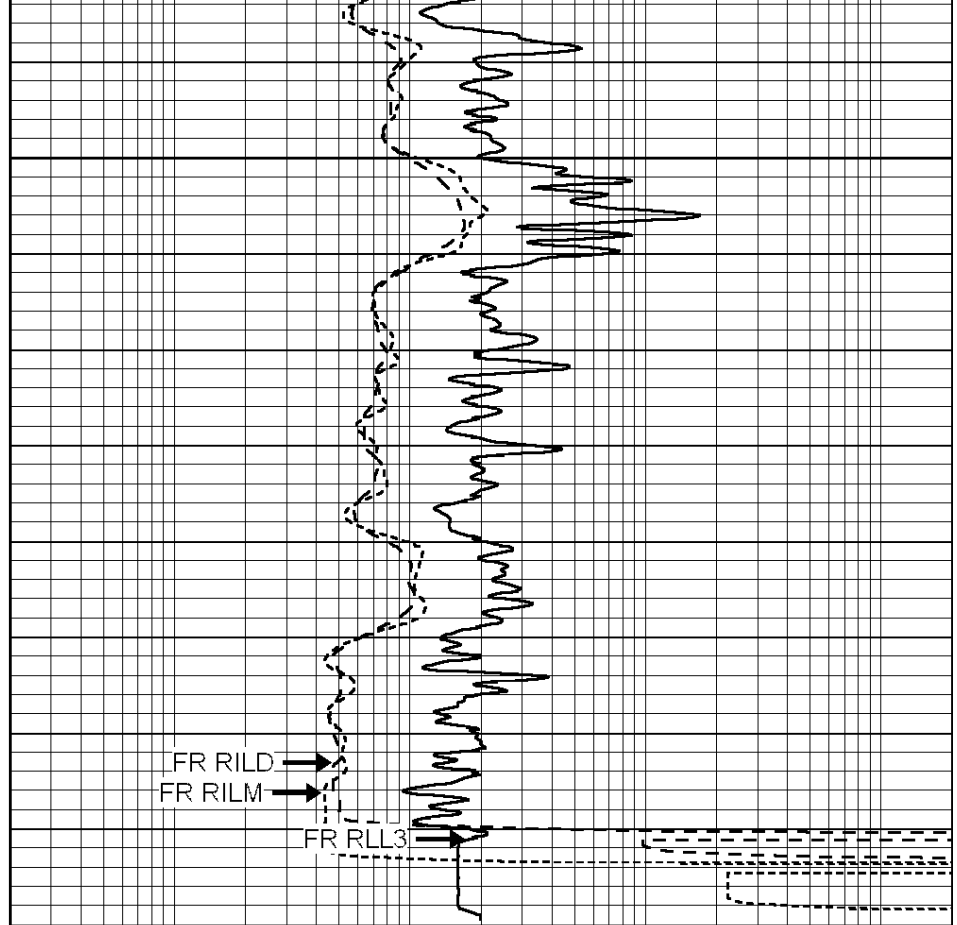


0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

3700

3750

LTD 3774



0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

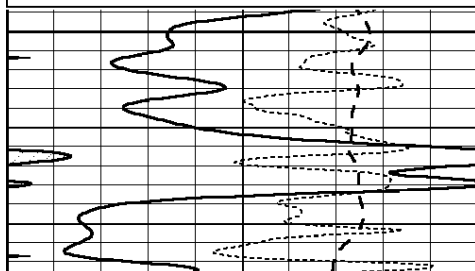


REPEAT SECTION

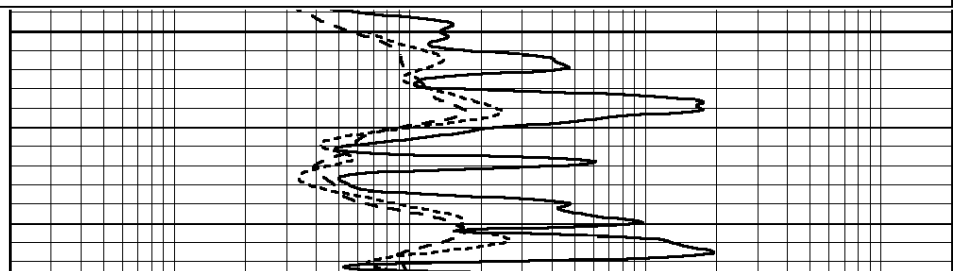
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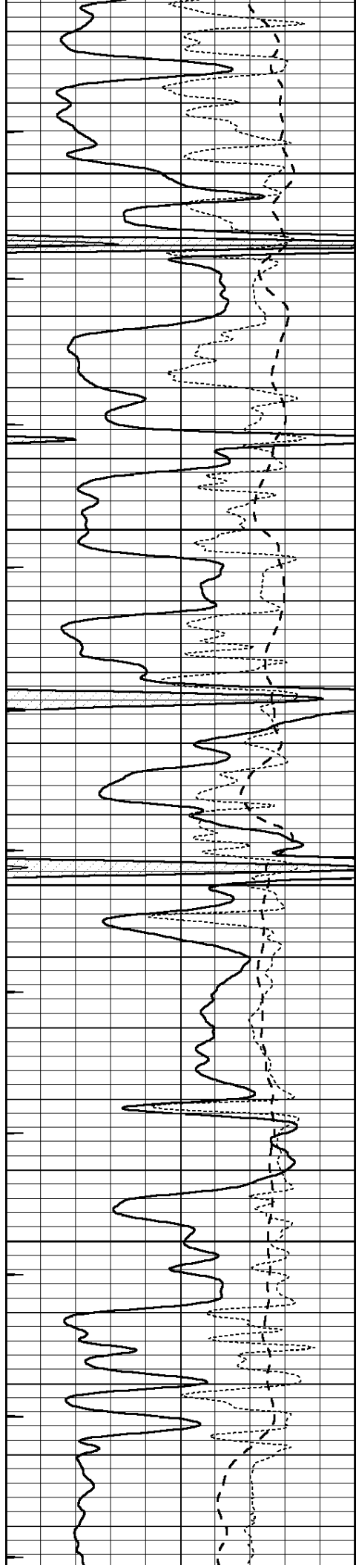
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
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0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



3400



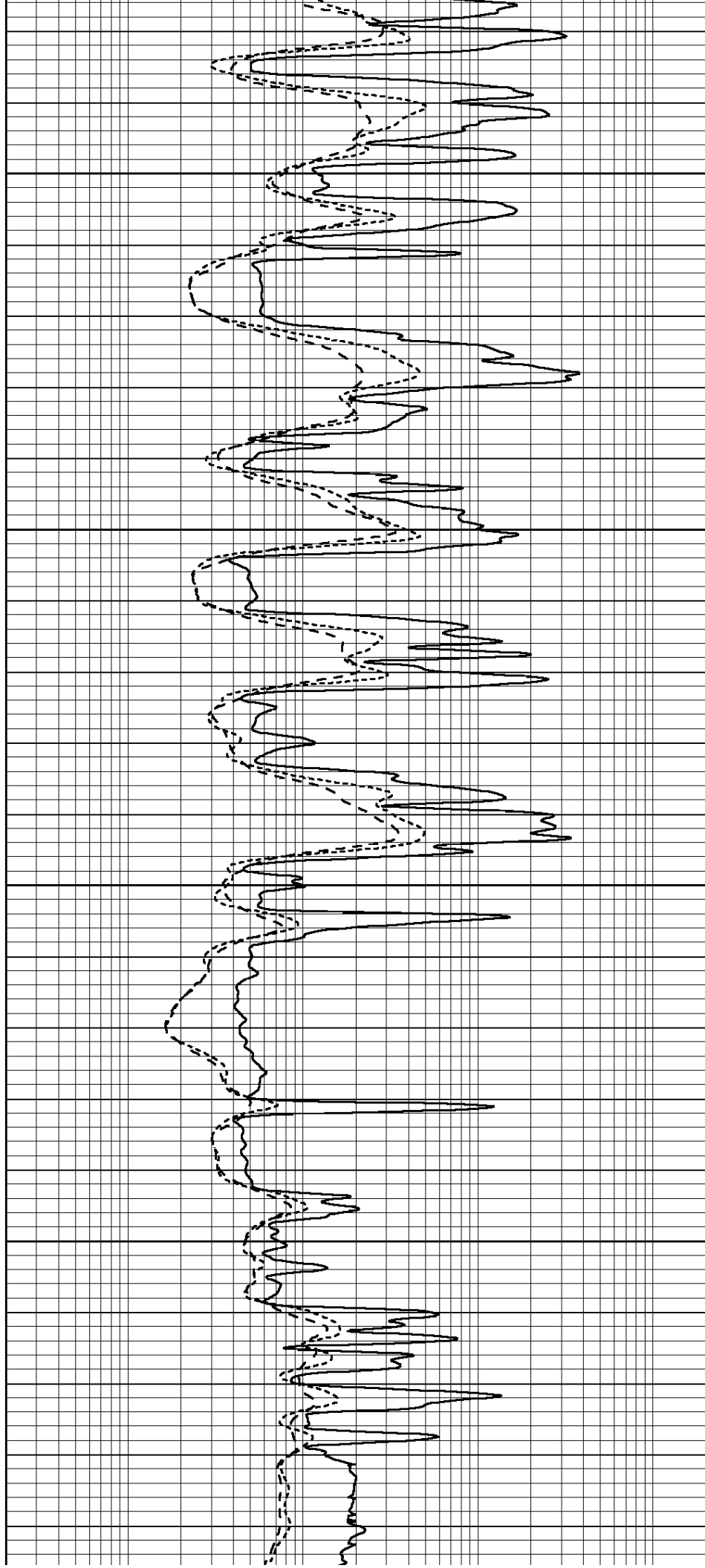


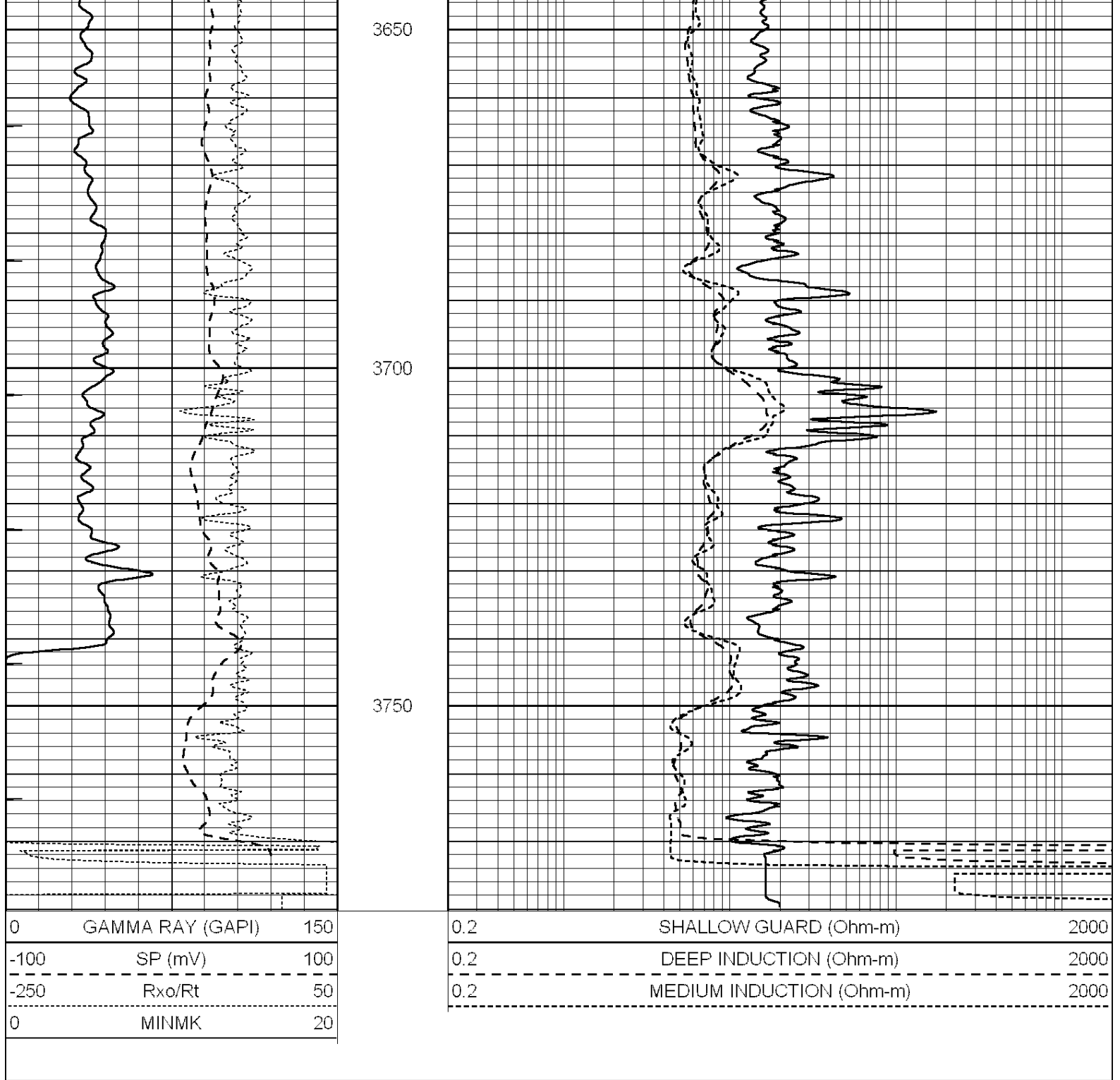
3450

3500

3550

3600





Calibration Report

Database File: 25876pe.db
 Dataset Pathname: pass3.1
 Dataset Creation: Fri Sep 05 12:57:32 2014 by Calc SOC 120430

Dual Induction Calibration Report

Serial-Model:	PROBE9-DILG
Surface Cal Performed:	Wed Sep 03 13:45:30 2014
Downhole Cal Performed:	Mon Jul 28 12:02:56 2008
After Survey Verification Performed:	Mon Jul 28 12:02:56 2008

Surface Calibration

	Readings	References	Results
Loop:	Air Loop	Air Loop	m b

Deep	-0.014	0.629	V	0.000	400.000	mmho/m	670.000	-12.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	670.000	-24.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102
Downhole Calibration								
	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	mmho-m		
After Survey Verification								
	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		
Litho Density Calibration Report								
Serial: 004N Model: PRB								
Master Calibration Performed Fri May 30 11:01:00 2014								
	Background		Magnesium		Aluminum		Sandstone	
Window 1	1378.8		10804.6		3492.0		12453.4	cps
Window 2	1262.4		9313.5		3076.7		10594.7	cps
Window 3	1077.6		5668.7		2076.0		6314.8	cps
Window 4	306.4		313.0		306.4		315.6	cps
Long Space	0.0		8051.0		1814.3		9332.3	cps
Short Space	1.9		1706.1		1146.0		1707.6	cps
Rho			1.7100		2.5900		1.3800	g/cc
Pe			0.0000		2.5700		1.5500	
Rib Angle	: 45.0		Rib Slope	: 1.002		Density/Spine Ratio		: 0.571
Spine Angle	: 75.0		Spine Slope	: 3.745		Spine Intercept		: -18.9
Before Survey Verification Performed Wed Dec 31 18:00:00 1969								
Window 1	0.0		0.0		0.0		0.0	cps
Window 2	0.0		0.0		0.0		0.0	cps
Window 3	0.0		0.0		0.0		0.0	cps
Window 4	0.0		0.0		0.0		0.0	cps
Long Space	0.0		0.0		0.0		0.0	cps
Short Space	0.0		0.0		0.0		0.0	cps
Measured Rho			0.0000		0.0000		0.0000	g/cc
Measured Correction			0.0000		0.0000		0.0000	g/cc
Measured Pe					0.0000		0.0000	
After Survey Verification Performed Wed Dec 31 18:00:00 1969								
Window 1	0.0		0.0		0.0		0.0	cps

Window 1	0.0	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	

Compensated Neutron Calibration Report

Serial Number: 070808
Tool Model: Probe

PRE-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

POST-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

Gamma Ray Calibration Report

Serial Number: 070558
Tool Model: OPEN_GR
Performed: Mon Jun 30 21:53:39 2014

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.2800 GAPI/cps