

DUAL INDUCTION LOG

Company MCGINNESS ENERGY COMPANY, INC.

Well EUREKA #22-1

Field UNNAMED

County PRATT State KANSAS

Location: API # : 15-151-22554-0000

2185' FNL & 868' FWL

NW - SE - SW - NW

SEC 22 TWP 27S RGE 14W

Permanent Datum GROUND LEVEL Elevation 1990
Log Measured From KELLY BUSHING 13' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL/PE
MEL

Elevation

K.B. 2003
D.F. 2001
G.L. 1990

Date 10/1/22

Run Number ONE

Depth Driller 4580

Depth Logger 4584

Bottom Logged Interval 4582

Top Log Interval 00

Casing Driller 8 5/8"@386'

Casing Logger 386

Bit Size 7 7/8"

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.5/53

pH / Fluid Loss 10.5/8.8

Source of Sample FLOWLINE

Rm @ Meas. Temp 1.70@60F

Rmf @ Meas. Temp 1.28@60F

Rmc @ Meas. Temp 2.04@60F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .843@121F

Time Circulation Stopped 2.5 HOURS

Time Logger on Bottom 3.30 A.M.

Maximum Recorded Temperature 121F

Equipment Number 922339

Location HAYS, KANSAS

Recorded By JEFF LUEBBERS

Witnessed By KEN LeBLANC

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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.

15-151-22554-0000

Comments

THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS

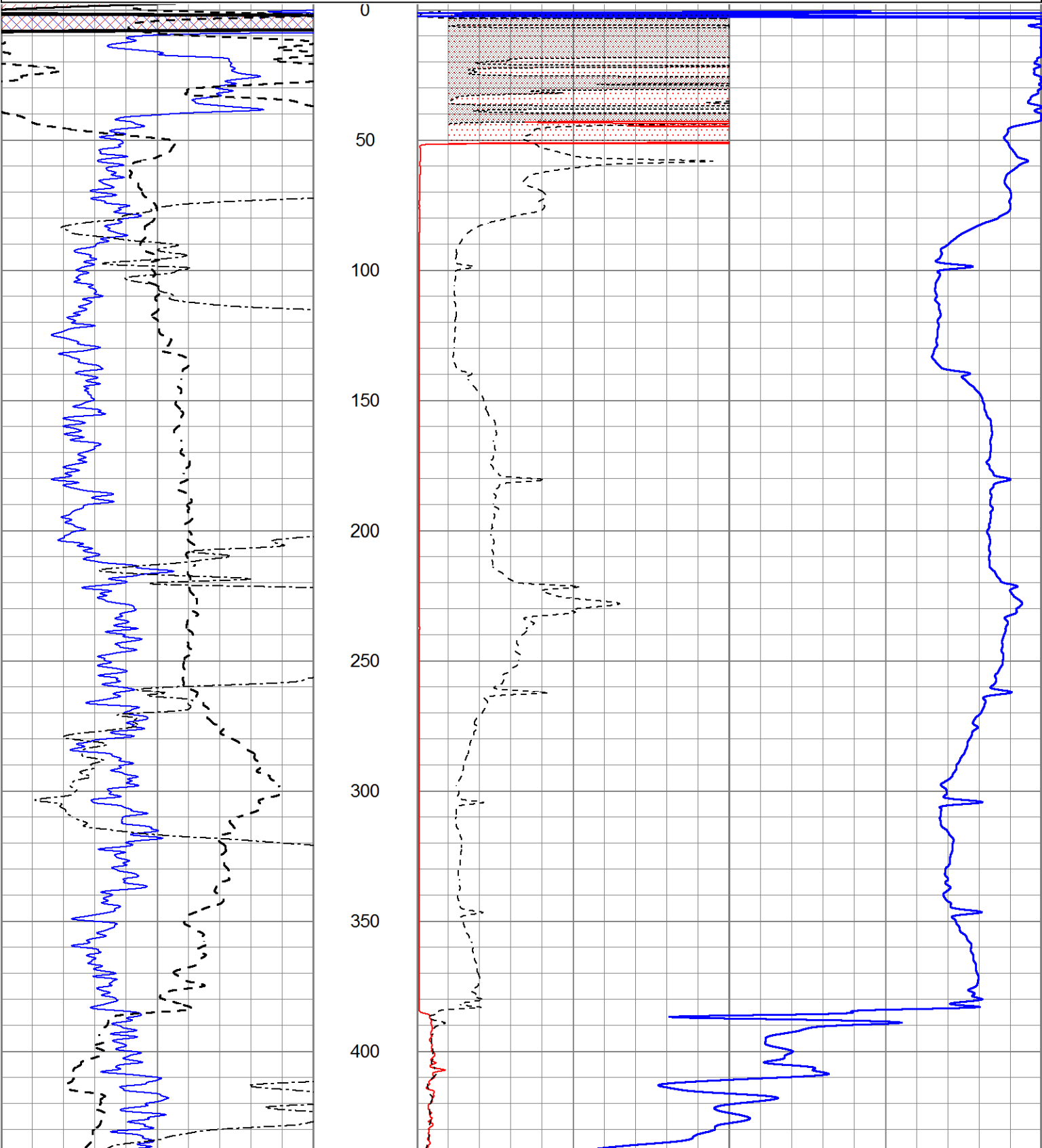
PRATT, KS., 7W. ON HWY 54 TO (BYERS BLKTOP "SW 70TH RD."), 3 1/4N. TO "NW 30TH RD.", 1
1/2E., S. INTO

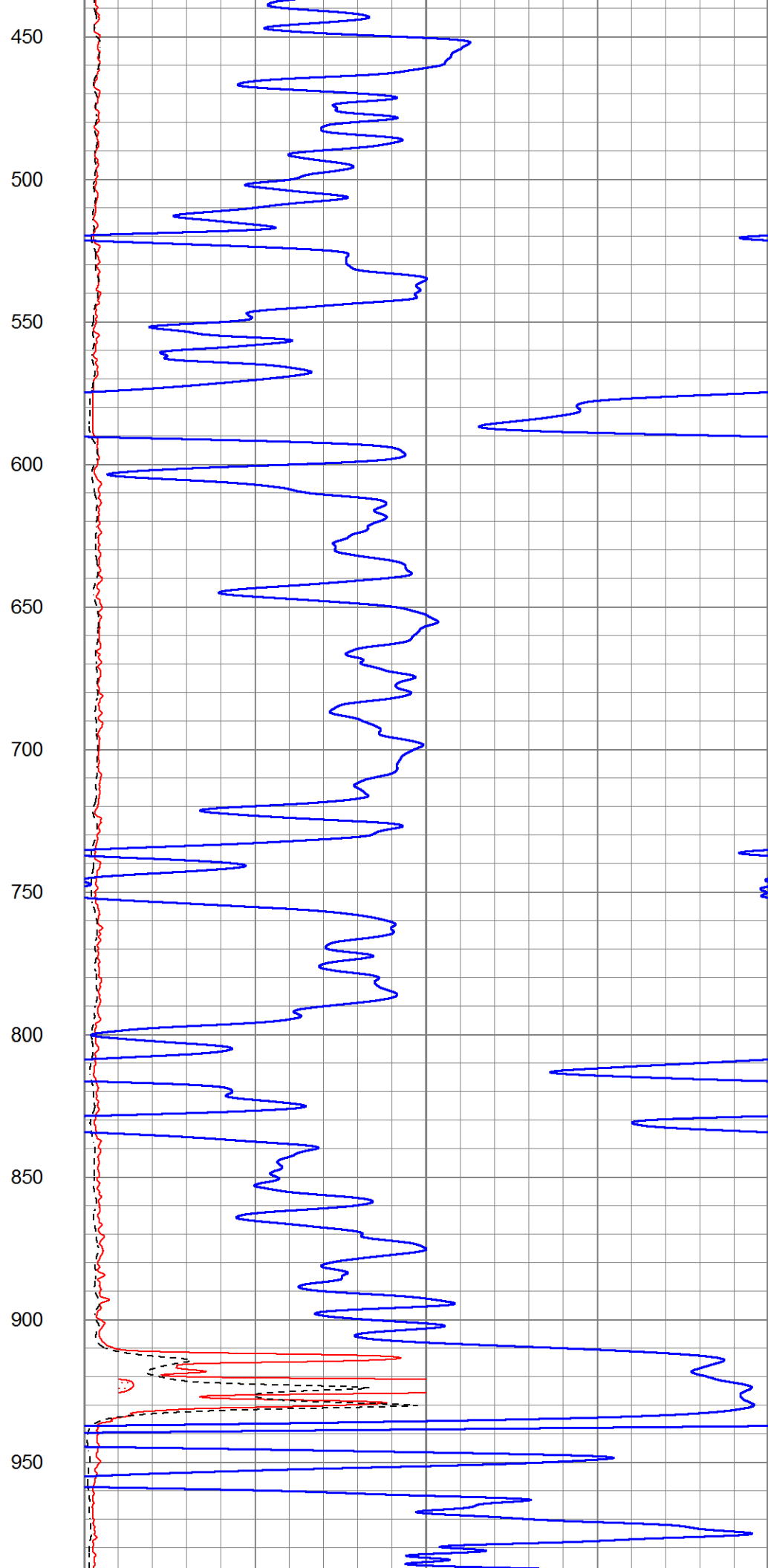
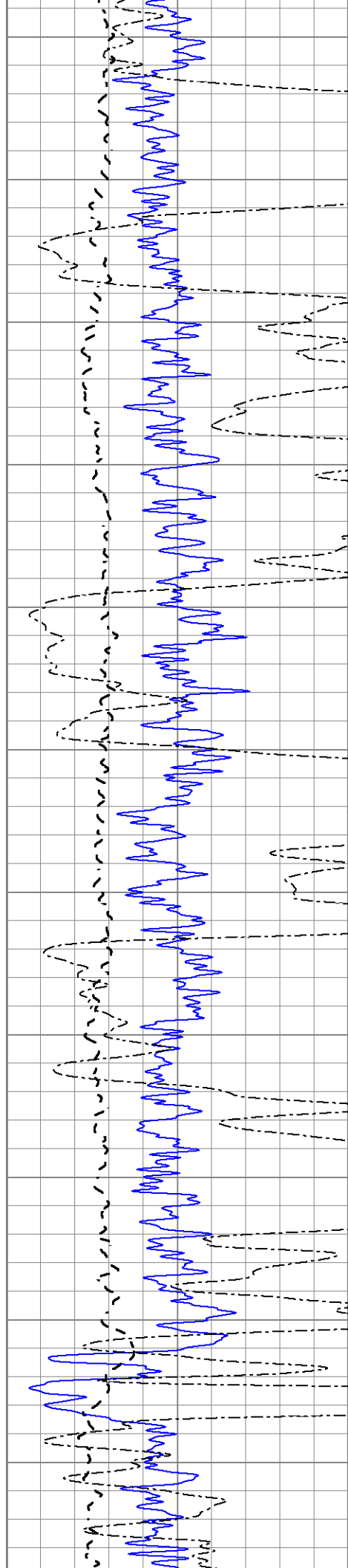


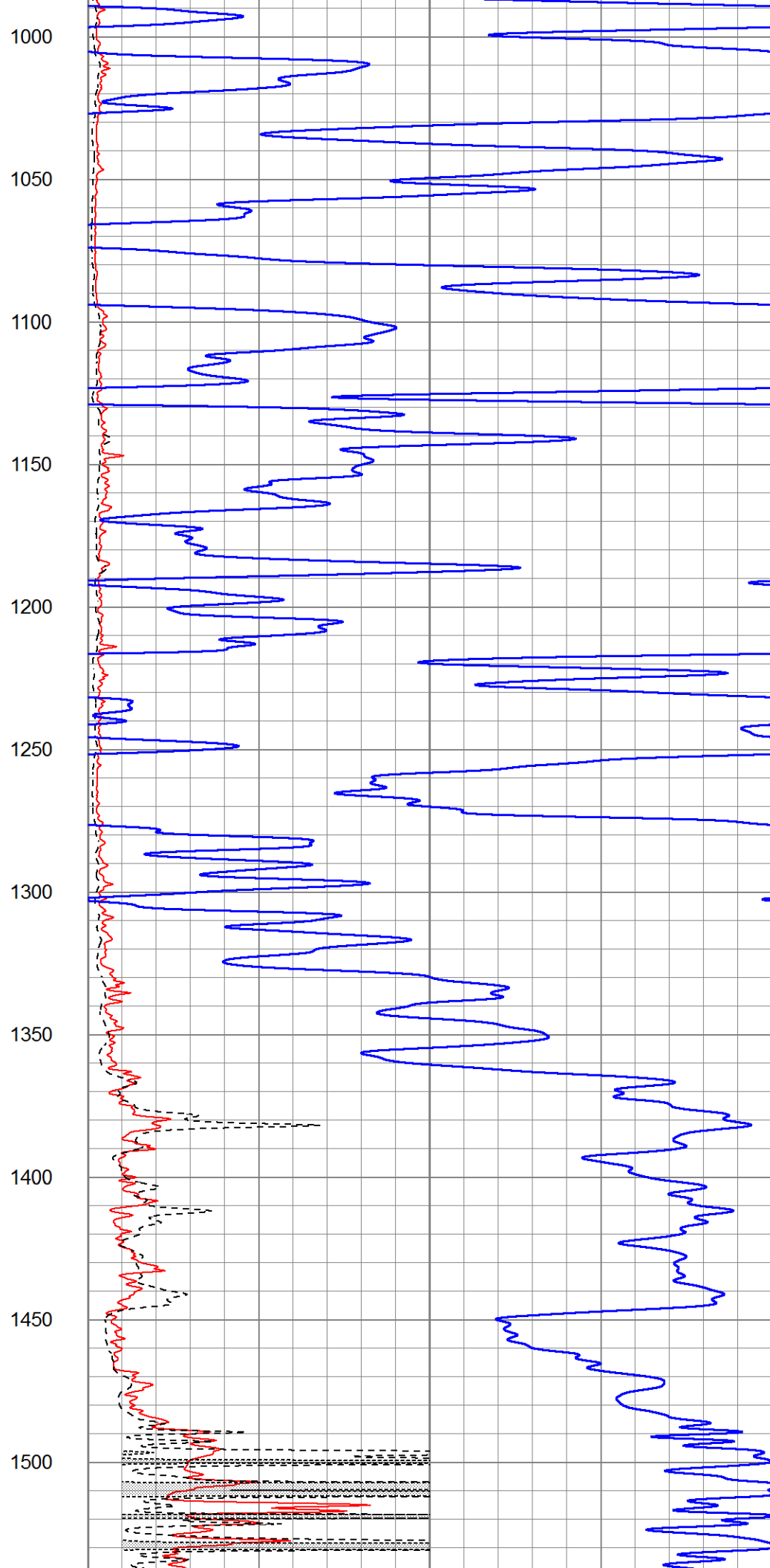
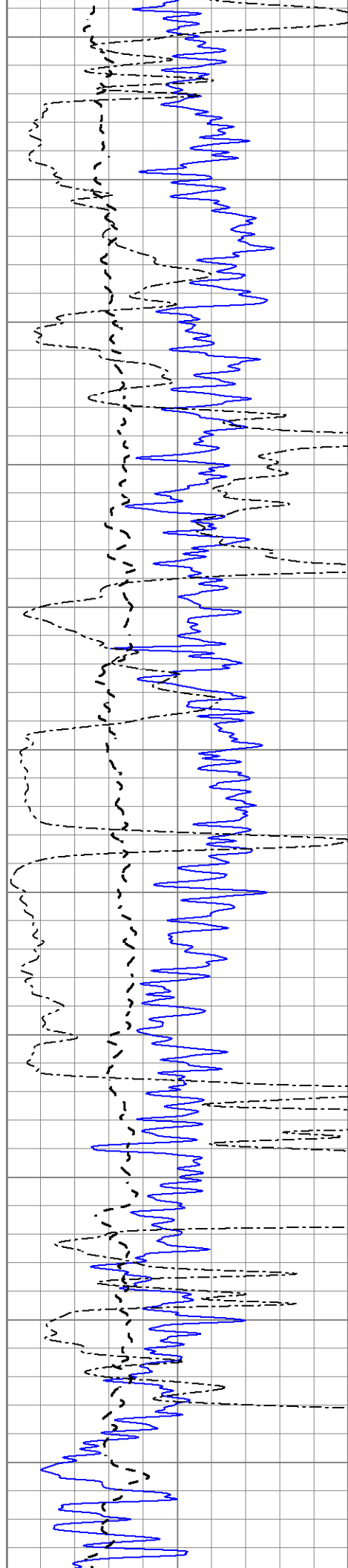
MAIN SECTION

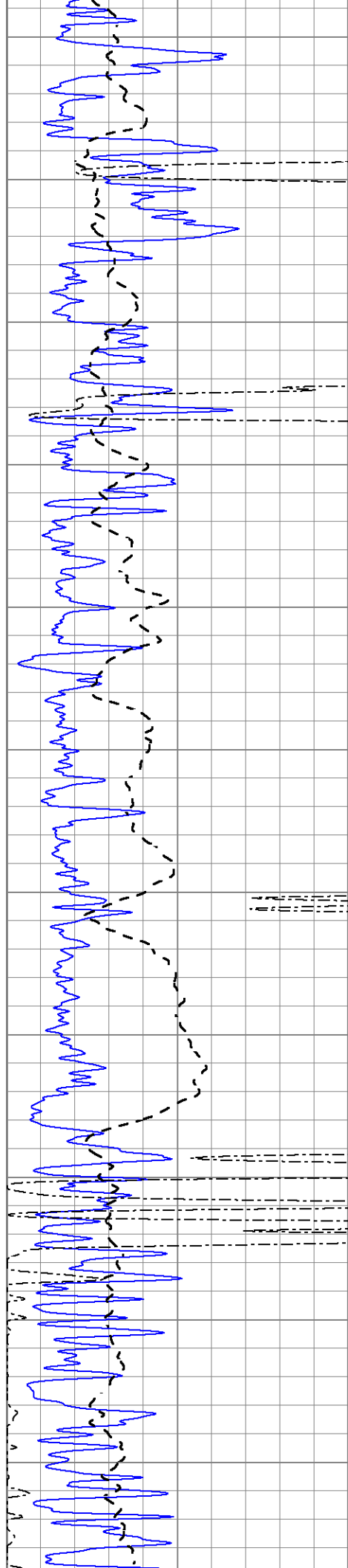
Database File	7085pe.db
Dataset Pathname	pass3.1M
Presentation Format	_dil2
Dataset Creation	Sat Oct 01 05:38:39 2022
Charted by	Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150	1000	CILD (mmho/m)	0
-100	SP (mV)	100	0	RLL3 (Ohm-m)	50
0	RWA (Ohm-m)	1	0	RILD (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500









1550

1600

1650

1700

1750

1800

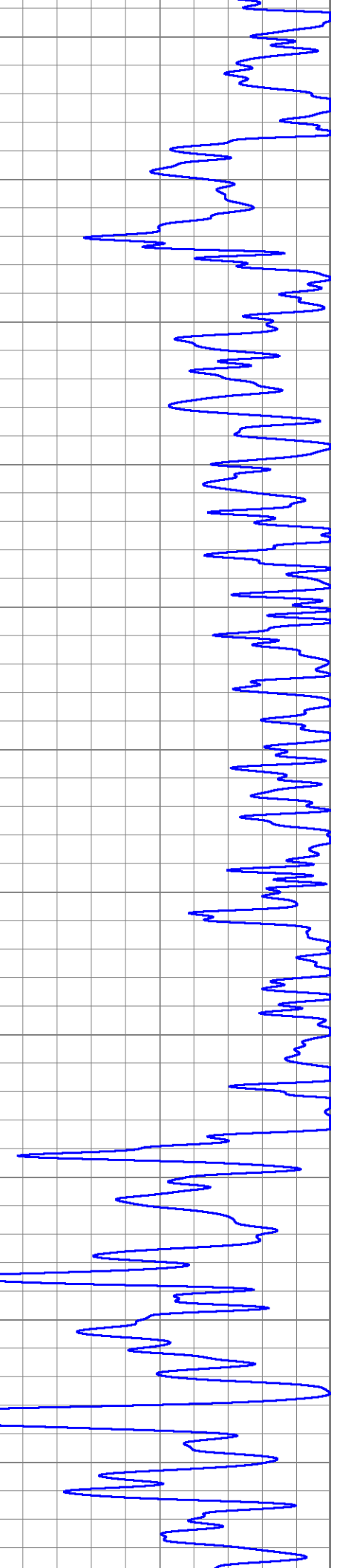
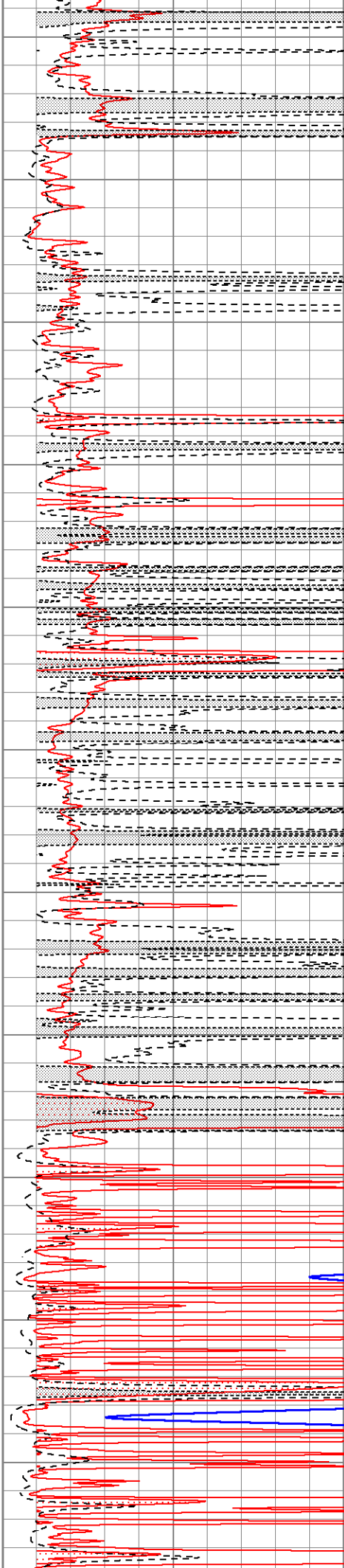
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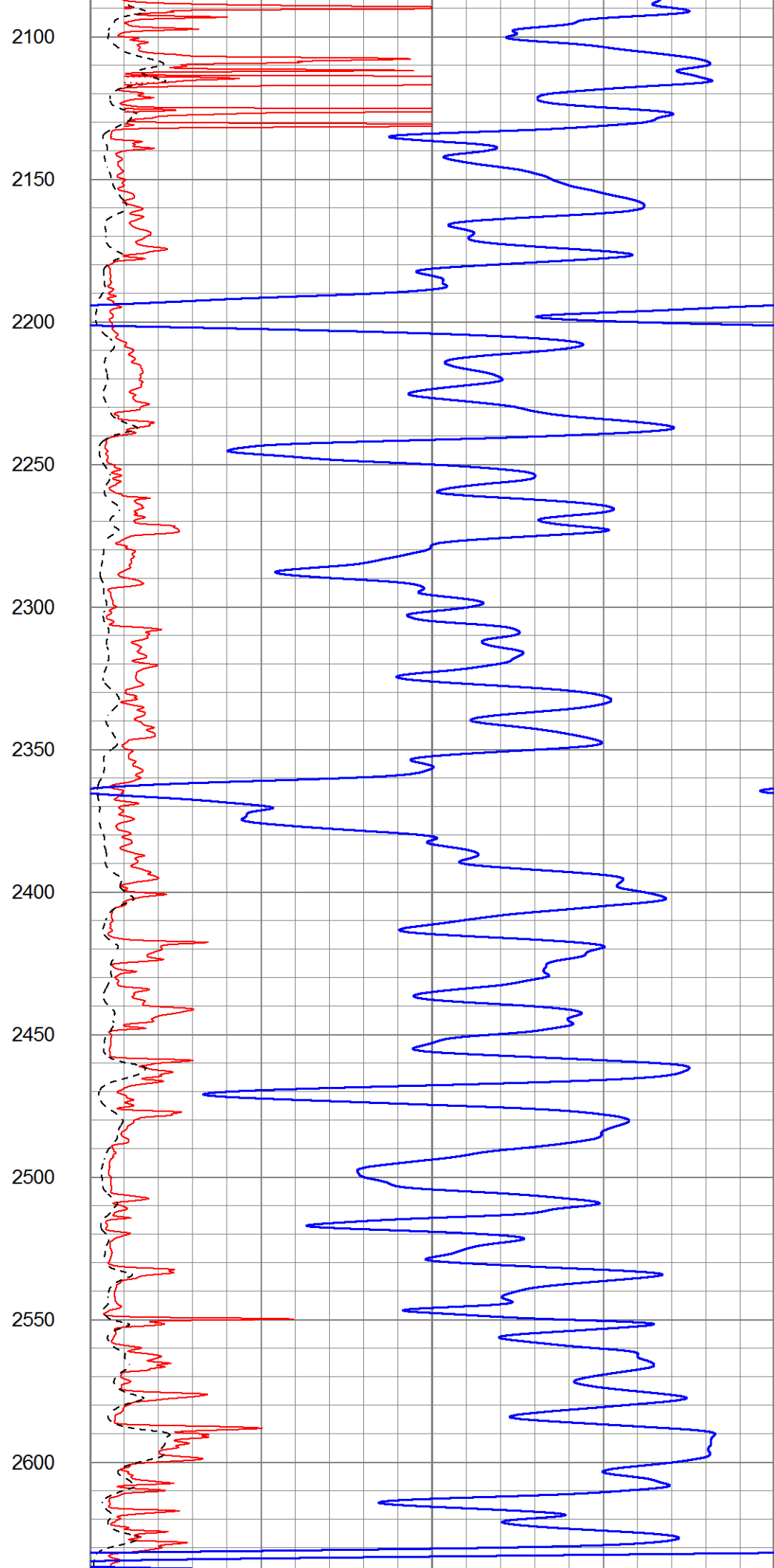
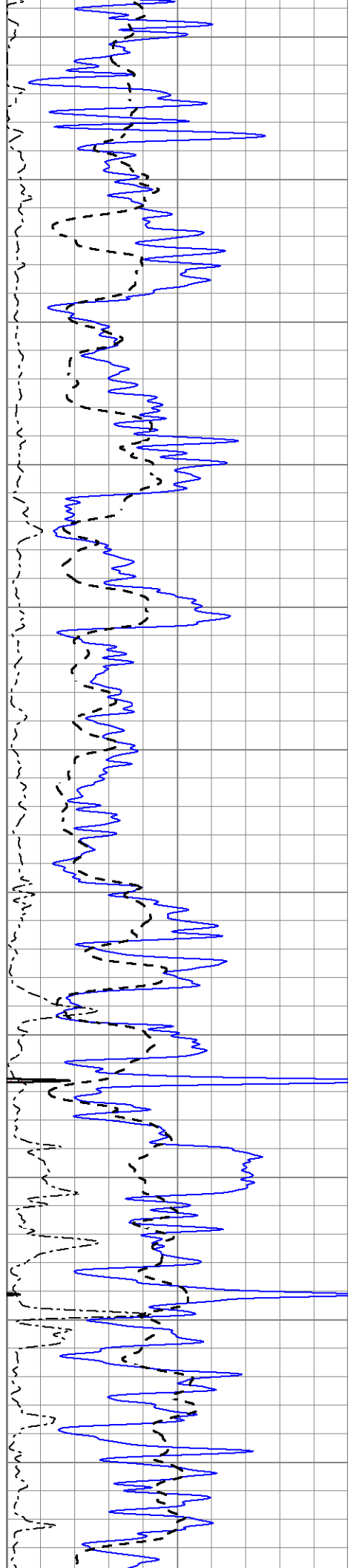
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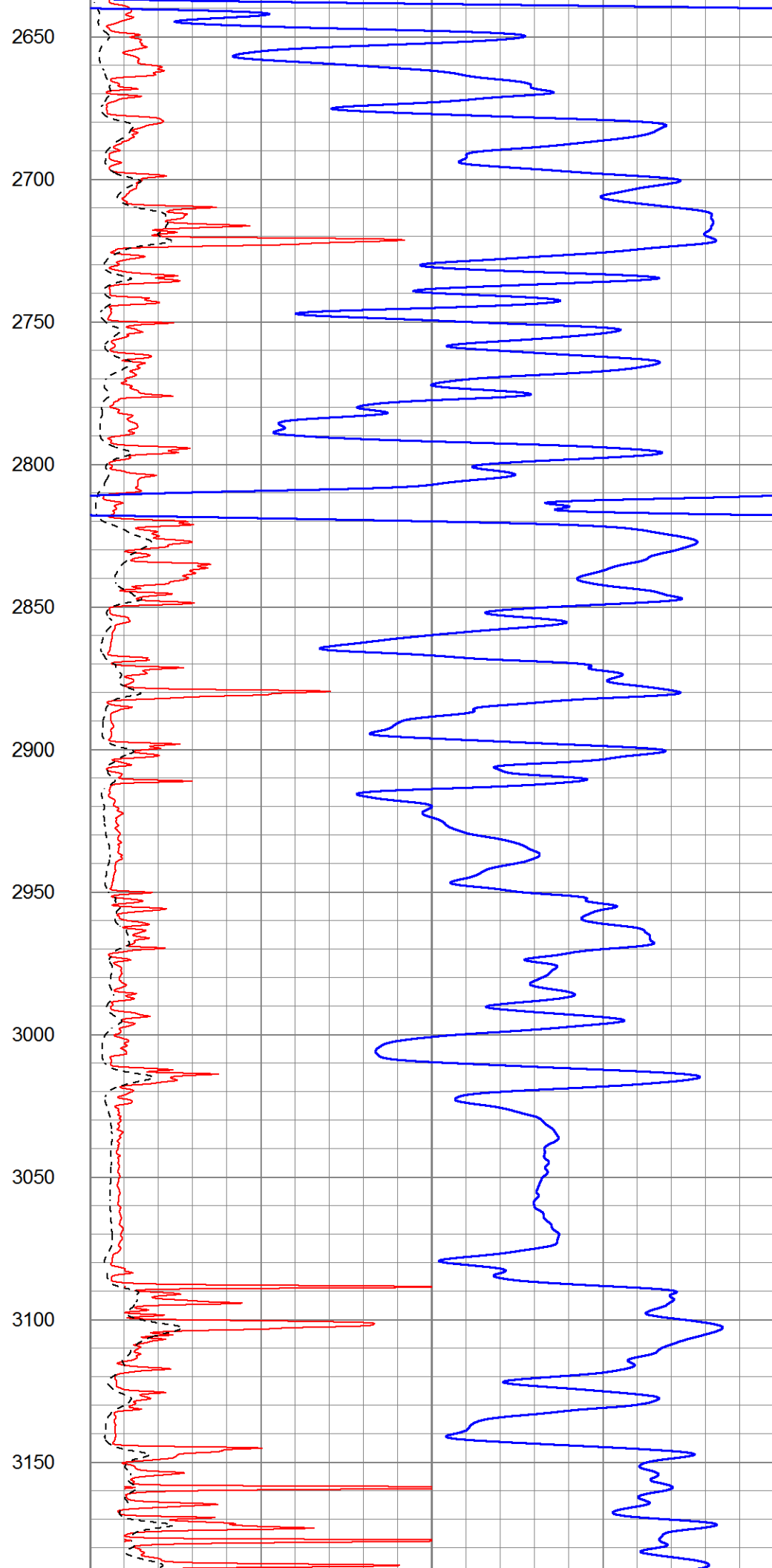
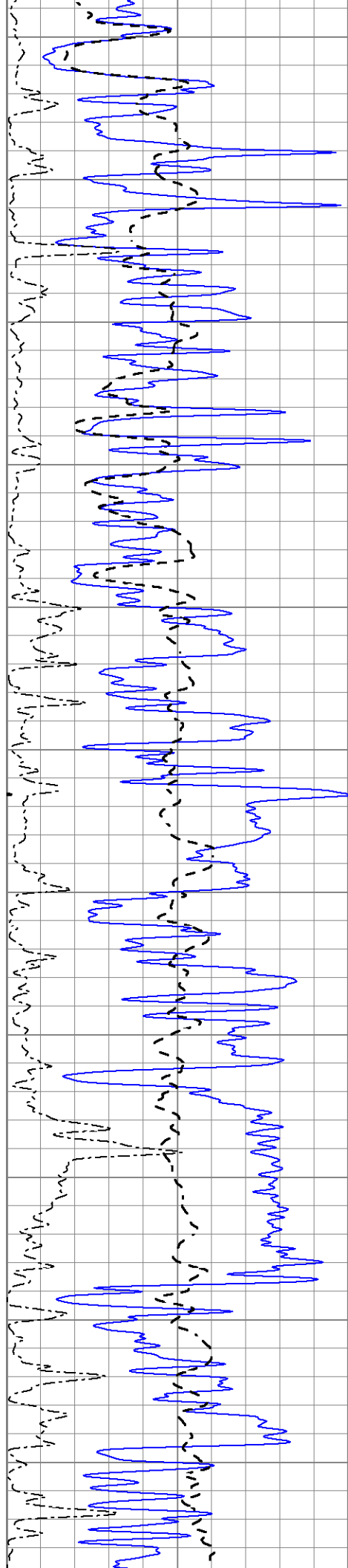
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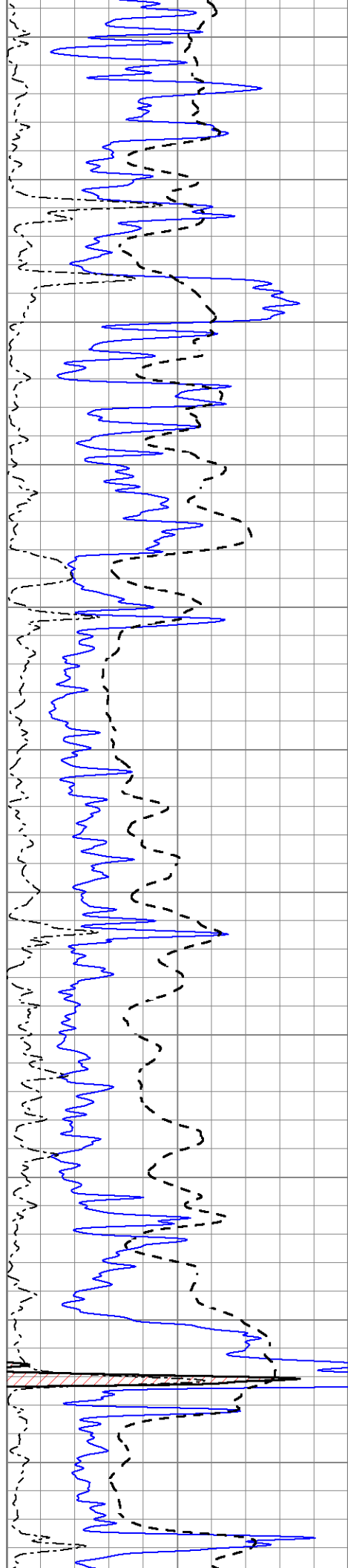
2000

2050









3200

3250

3300

3350

3400

3450

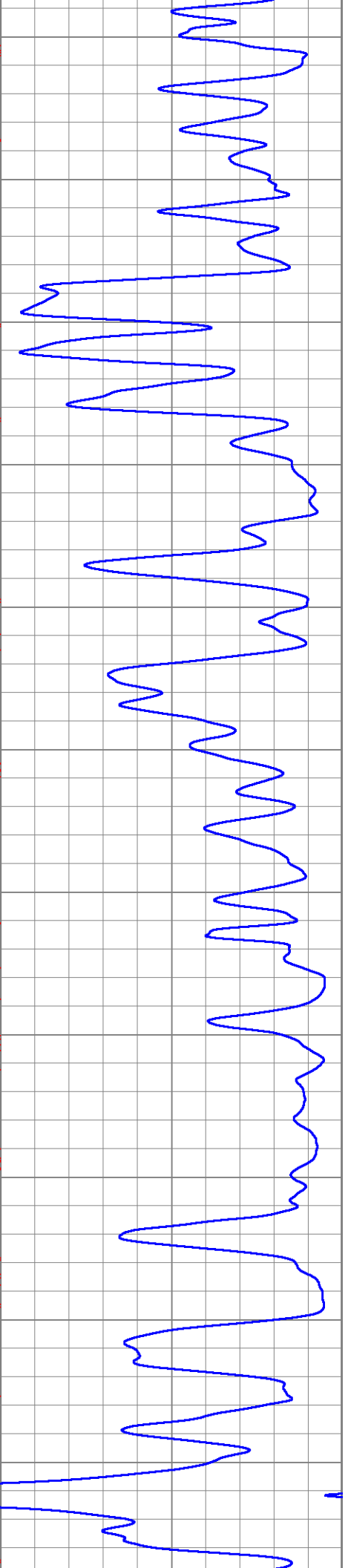
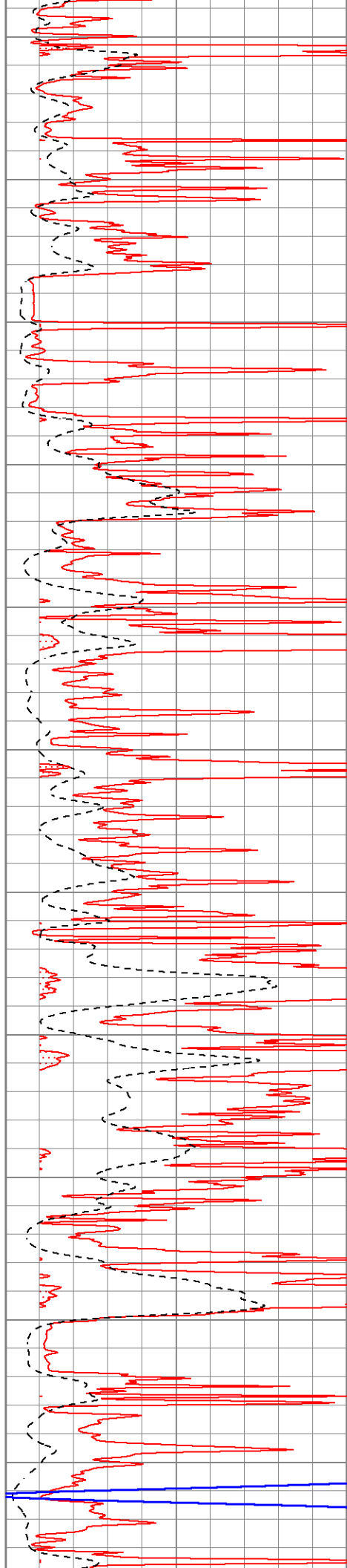
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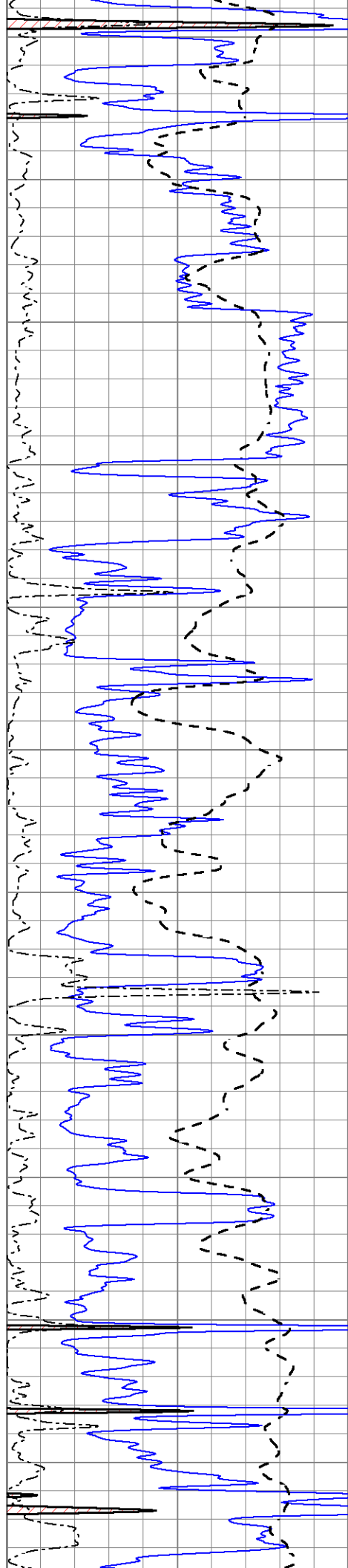
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3600

3650

3700





3750

3800

3850

3900

3950

4000

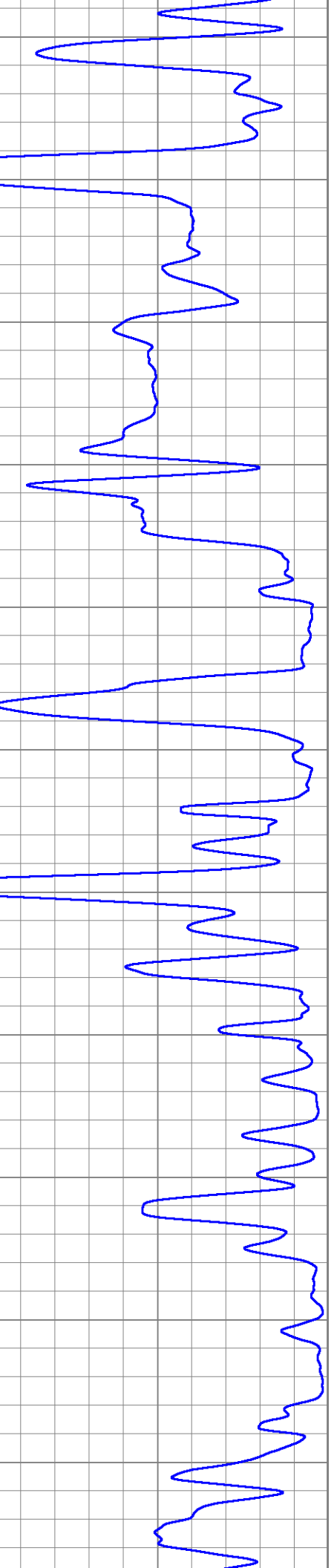
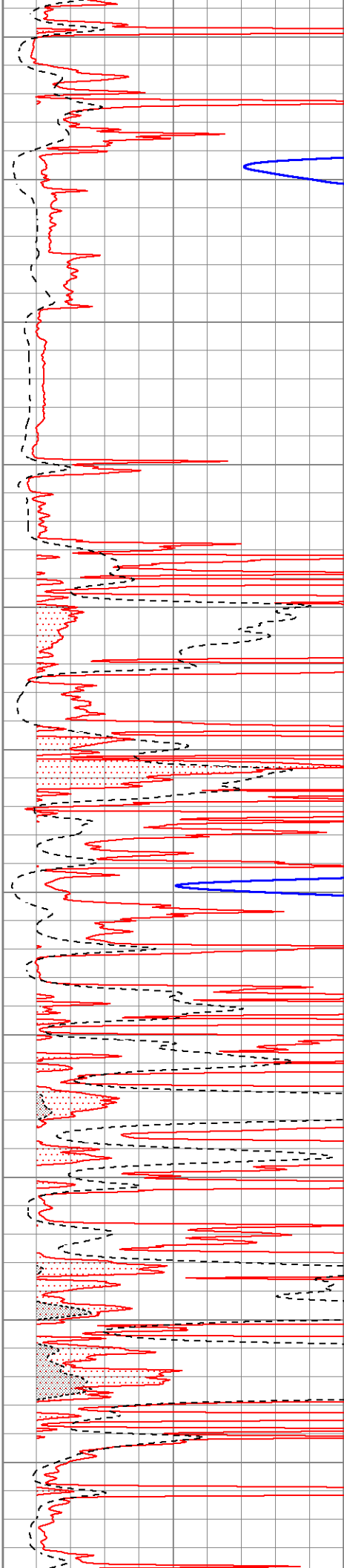
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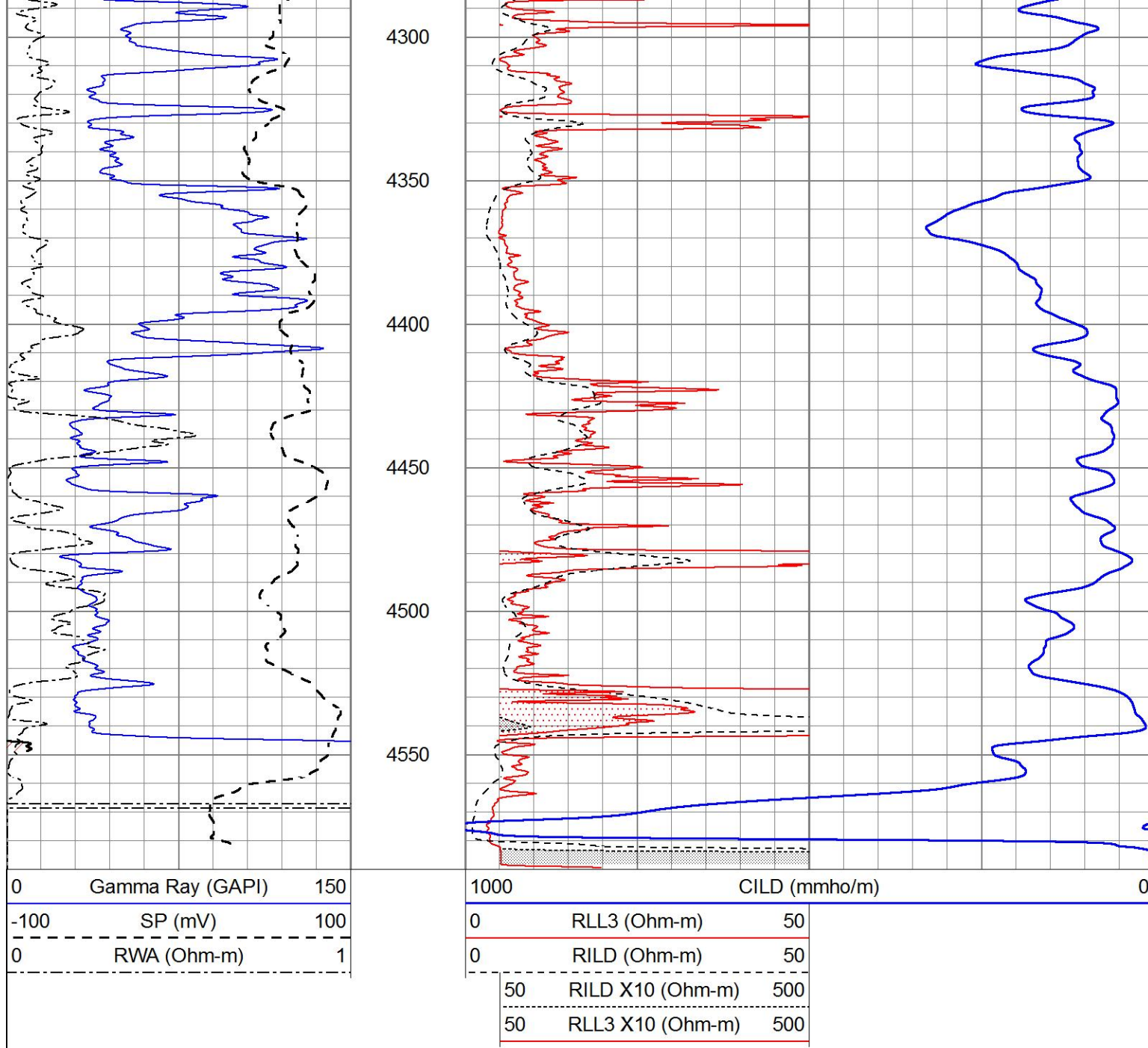
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4150

4200

4250

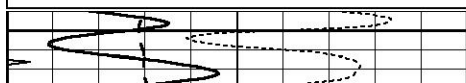




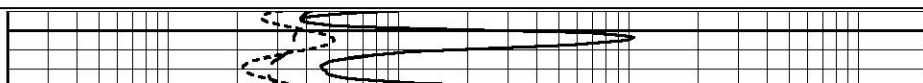
MAIN SECTION

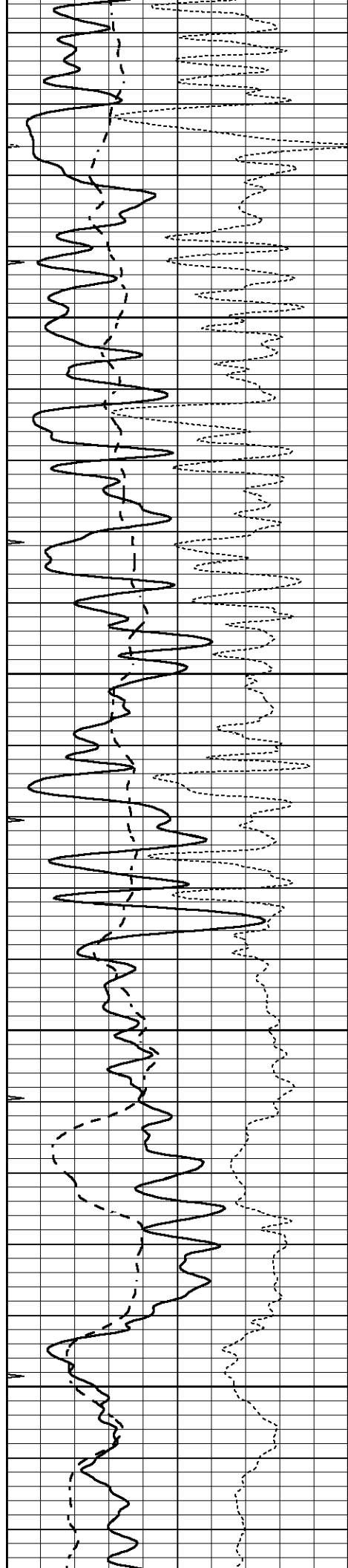
Database File 7085pe.db
 Dataset Pathname pass3.1M
 Presentation Format _dil
 Dataset Creation Sat Oct 01 05:38:39 2022
 Charted by Depth in Feet scaled 1:240

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



2000



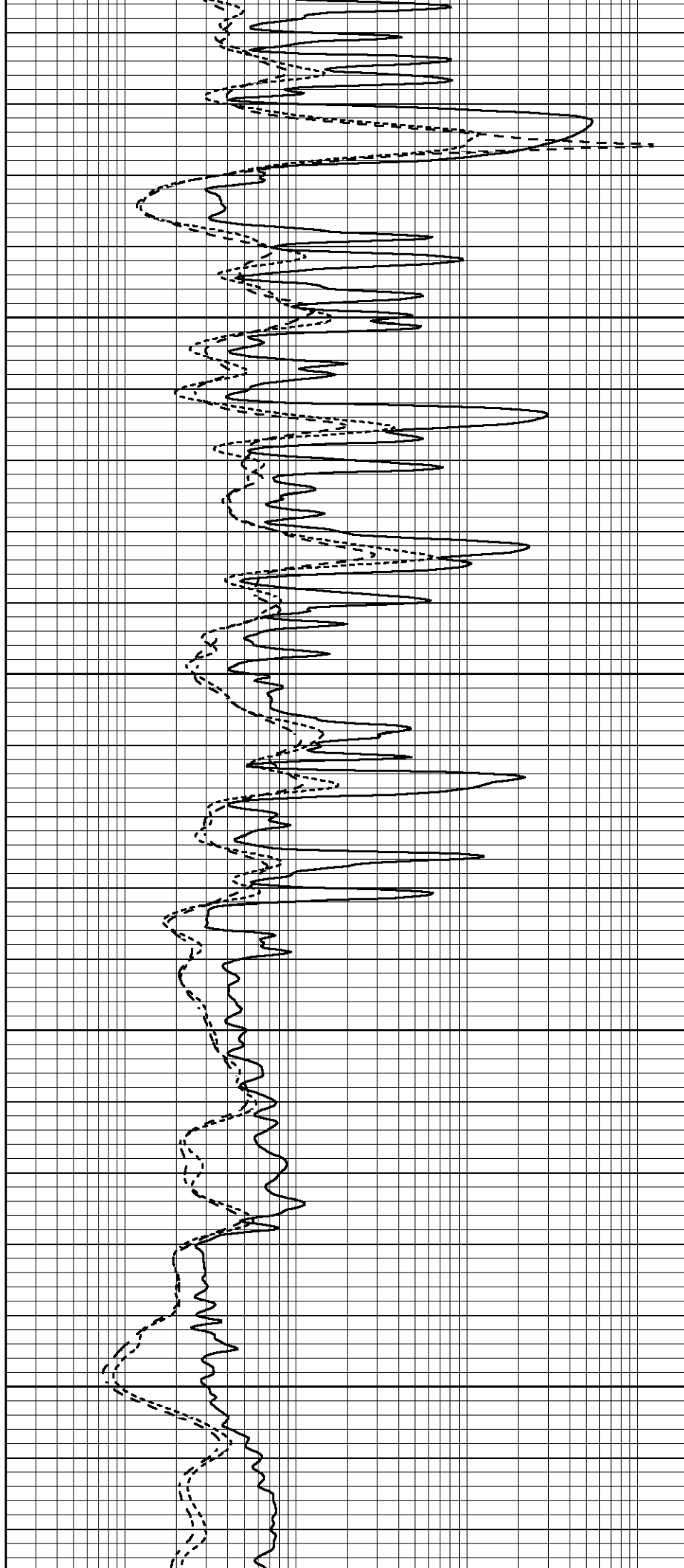


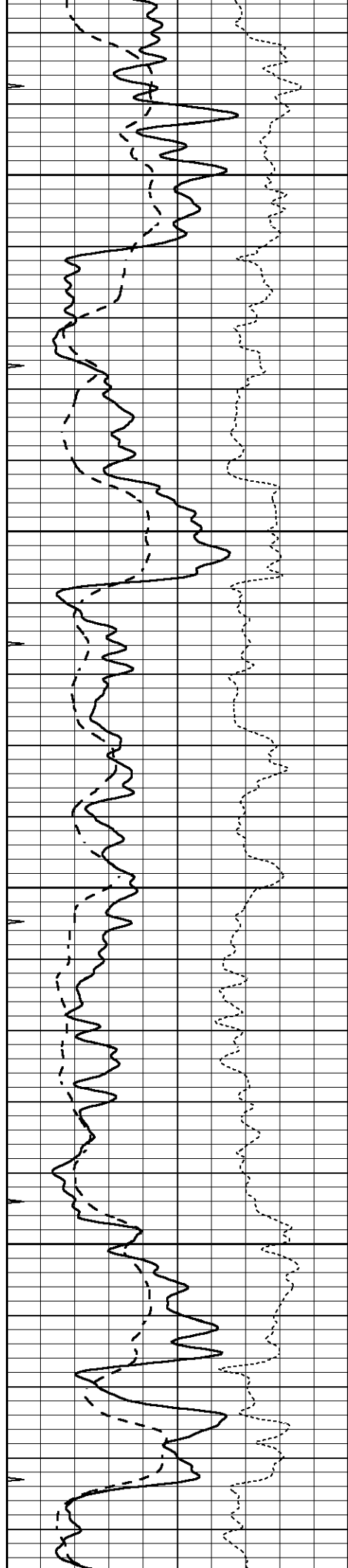
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2100

2150

2200



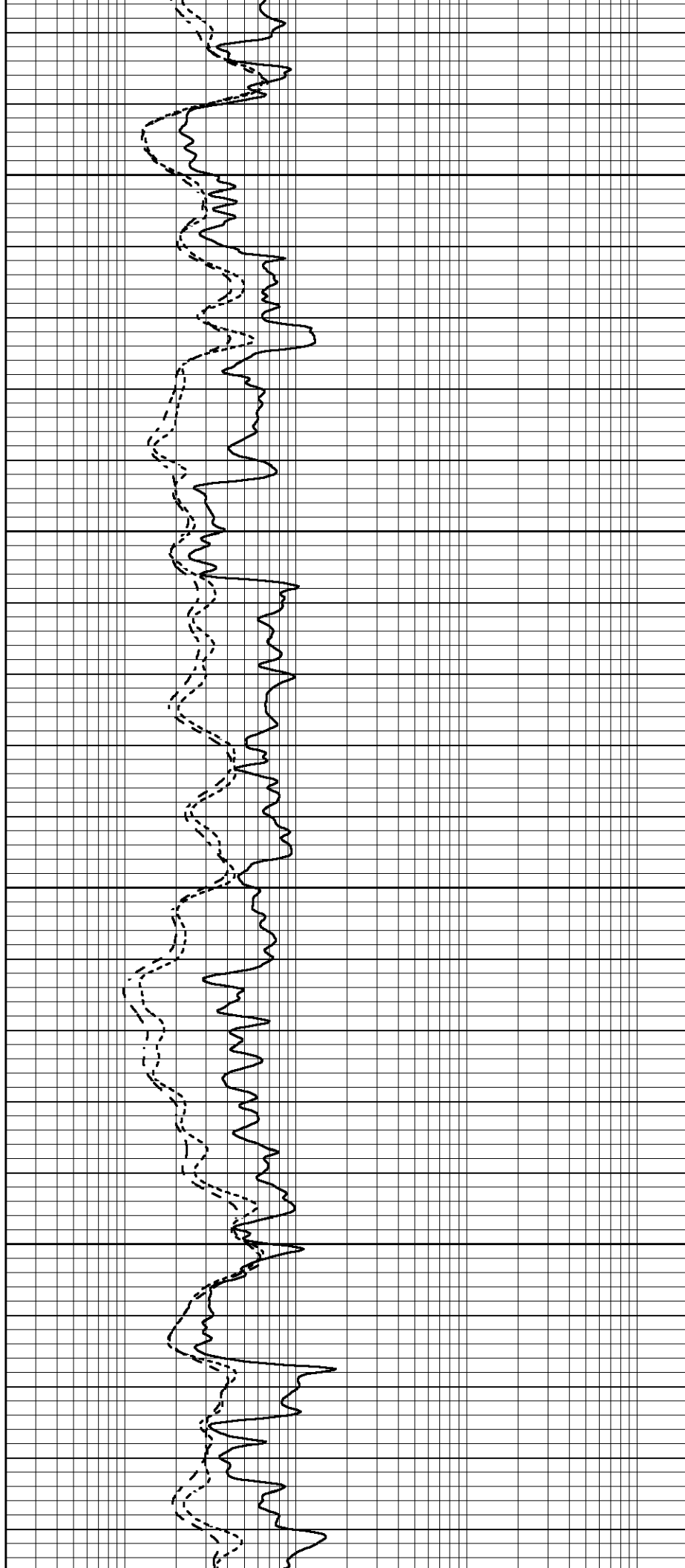


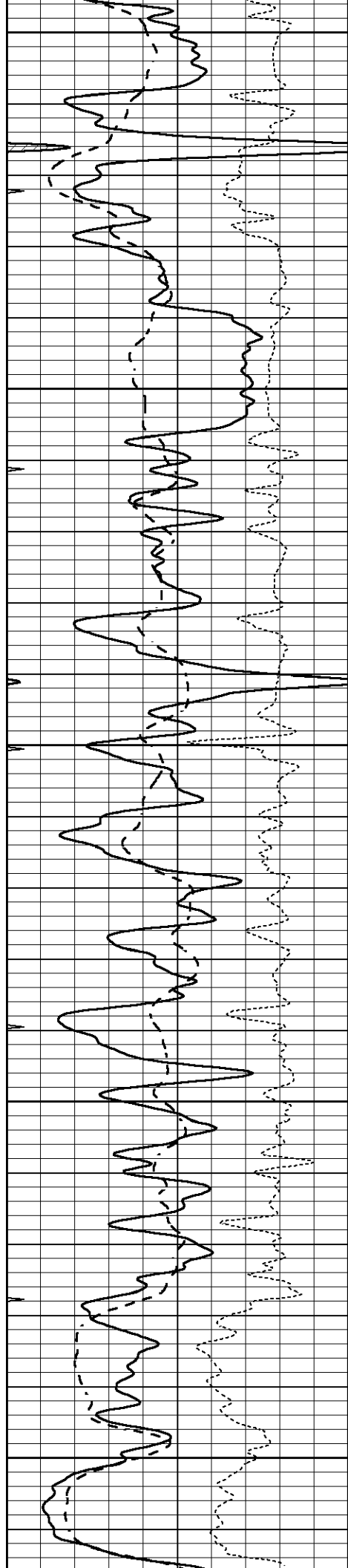
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2300

2350

2400





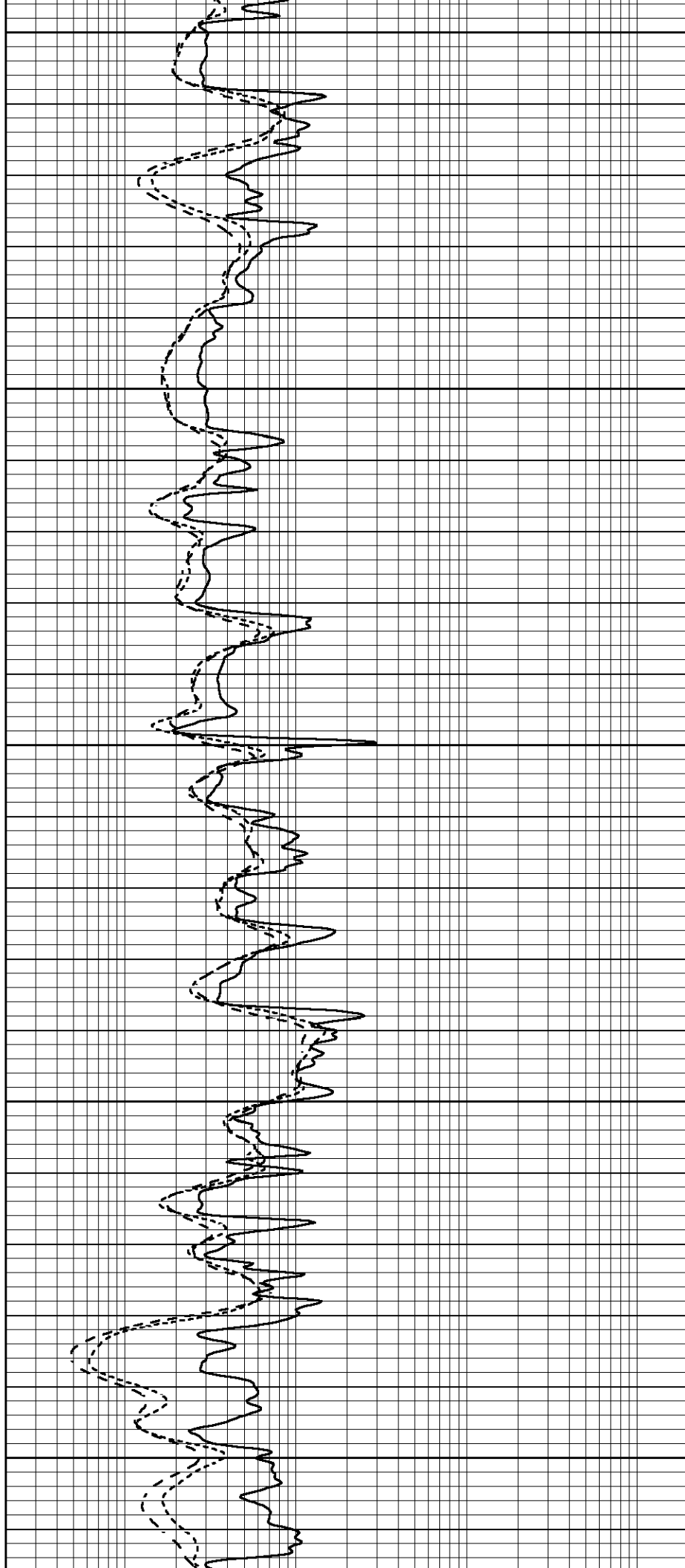
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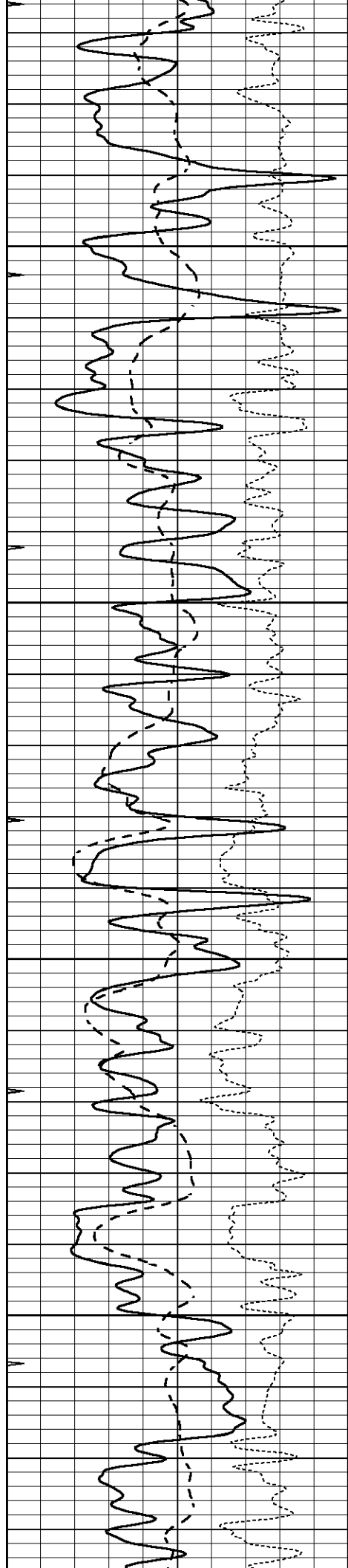
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2550

2600

2650



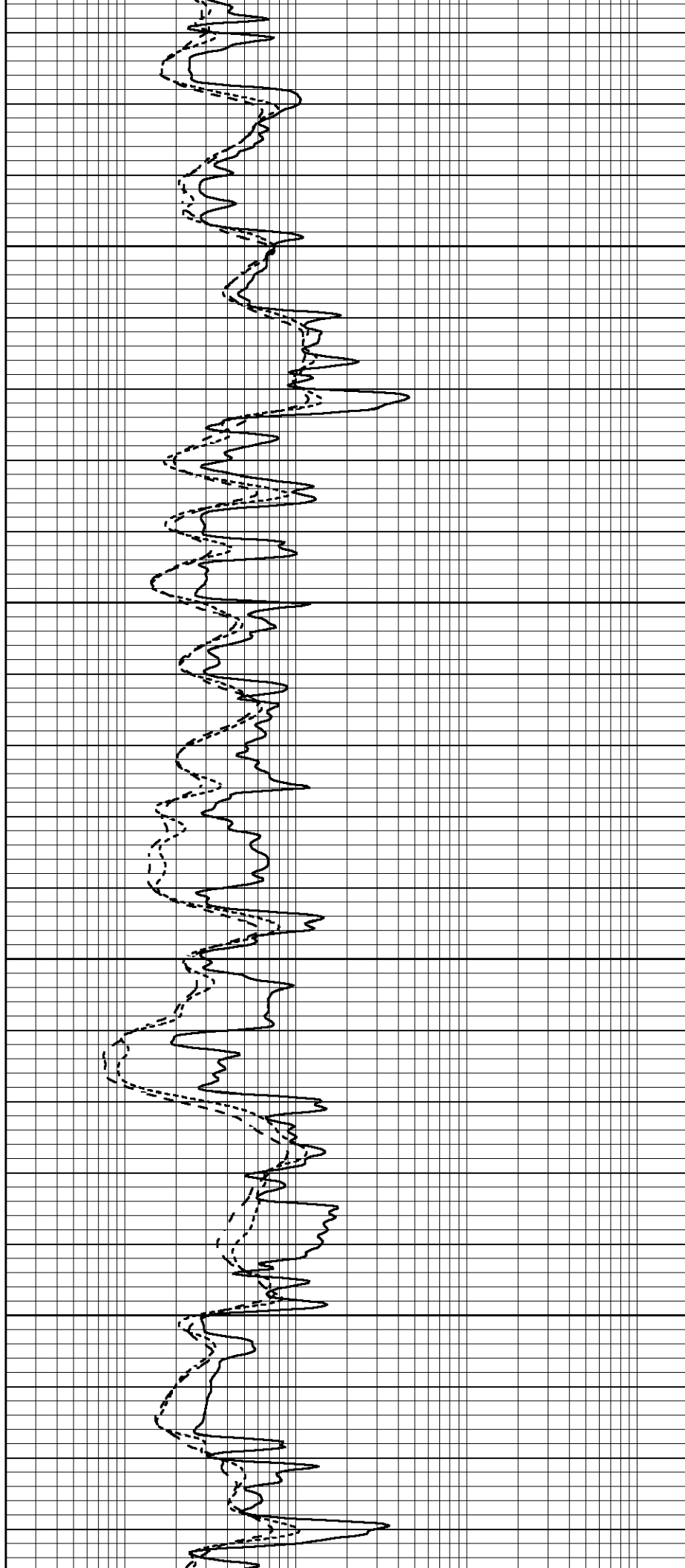


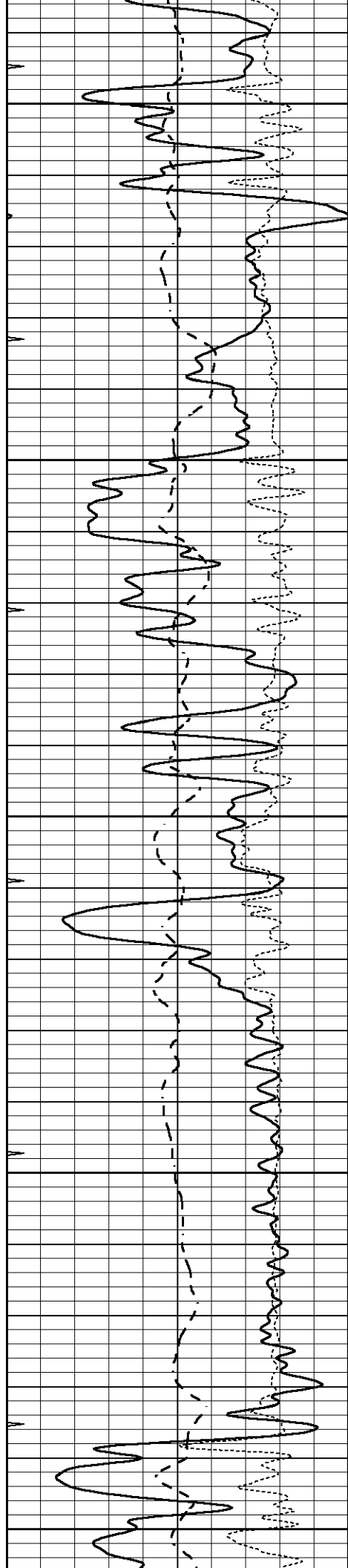
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2750

2800

2850





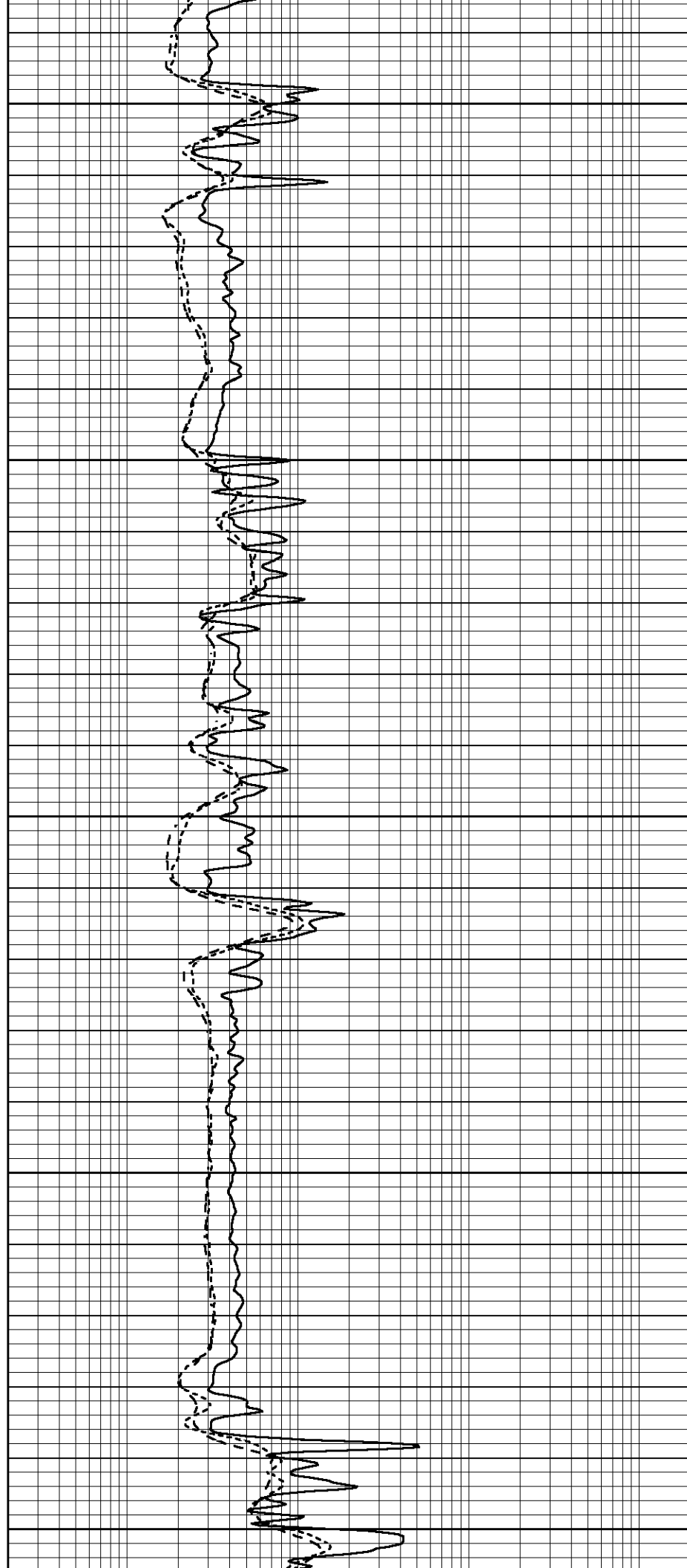
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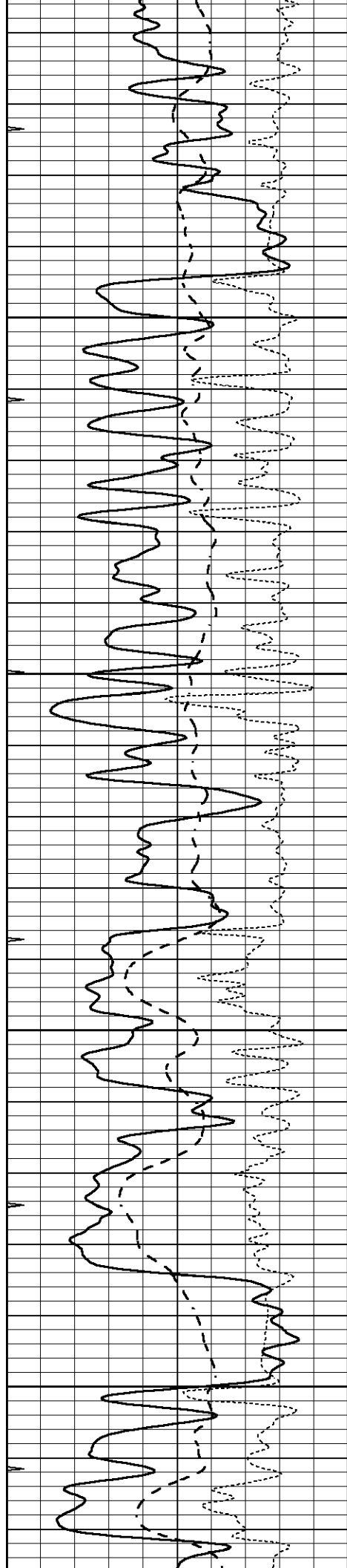
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3000

3050

3100



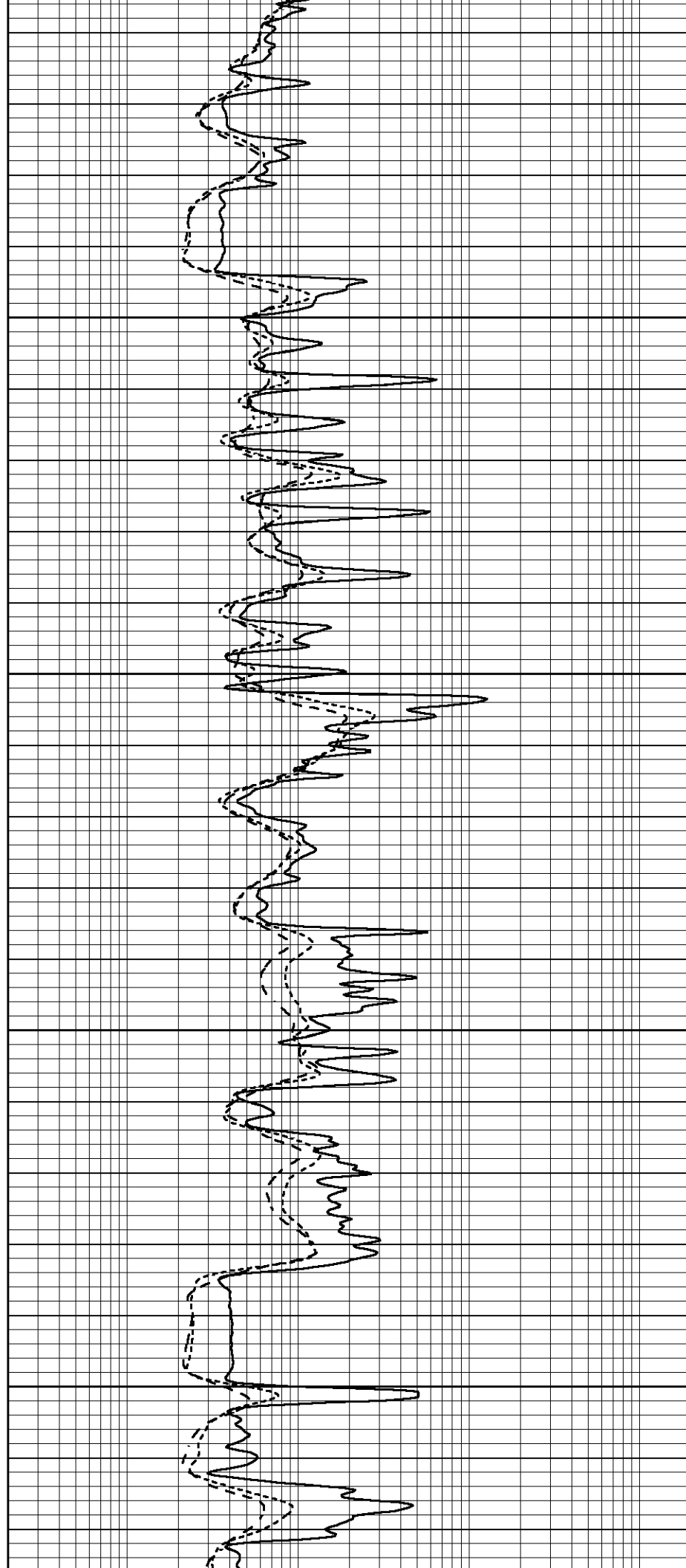


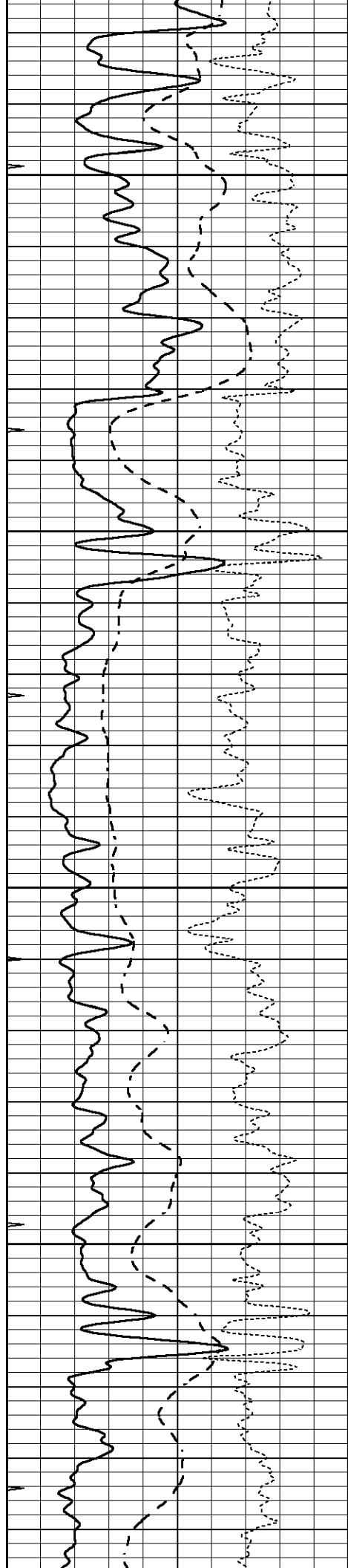
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3200

3250

3300



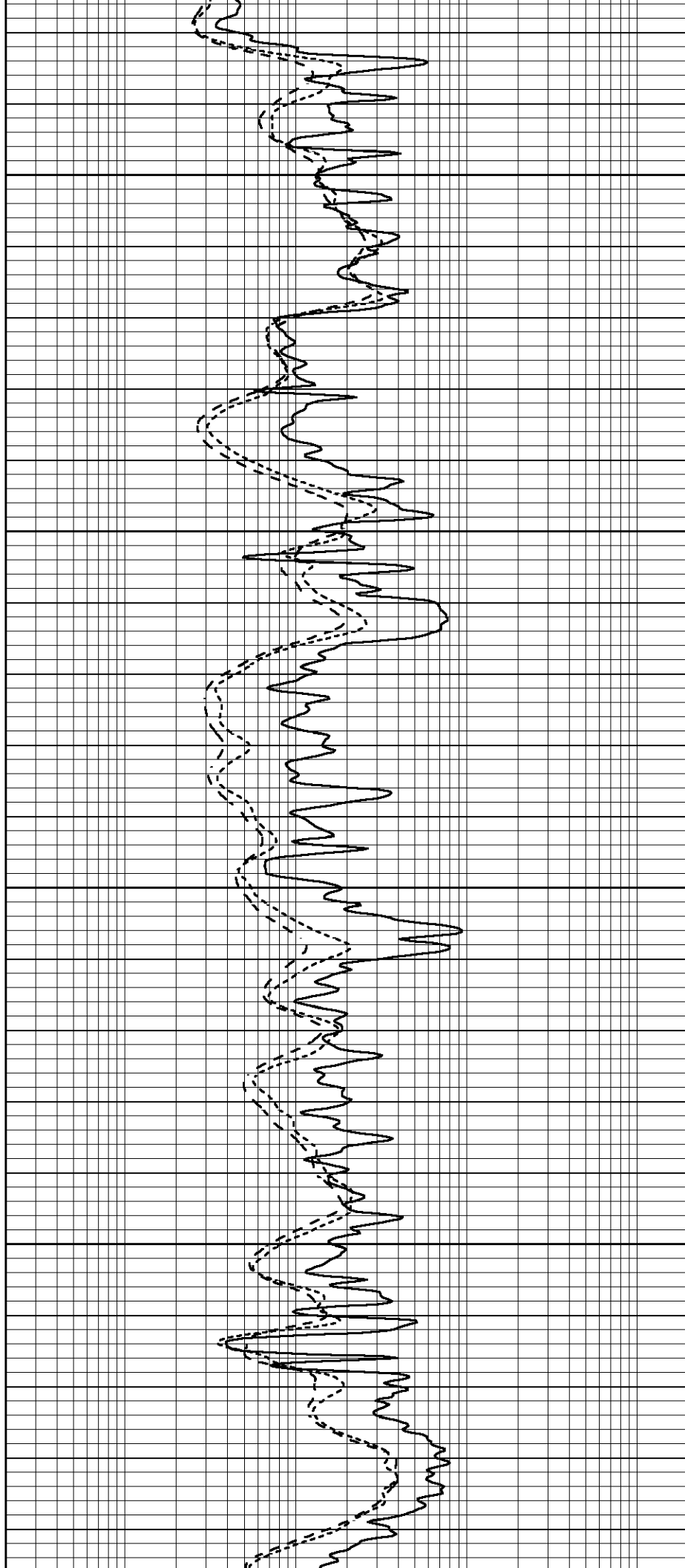


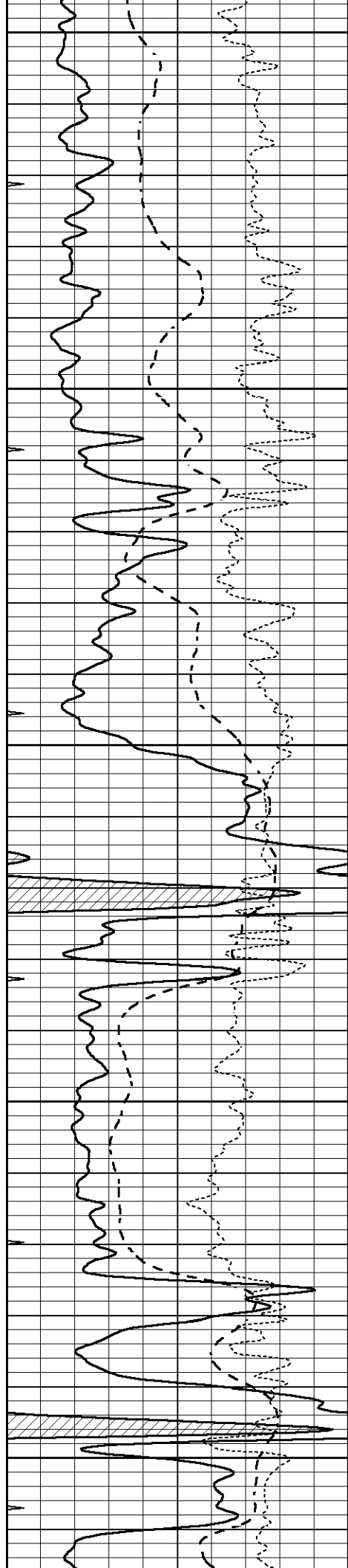
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3500





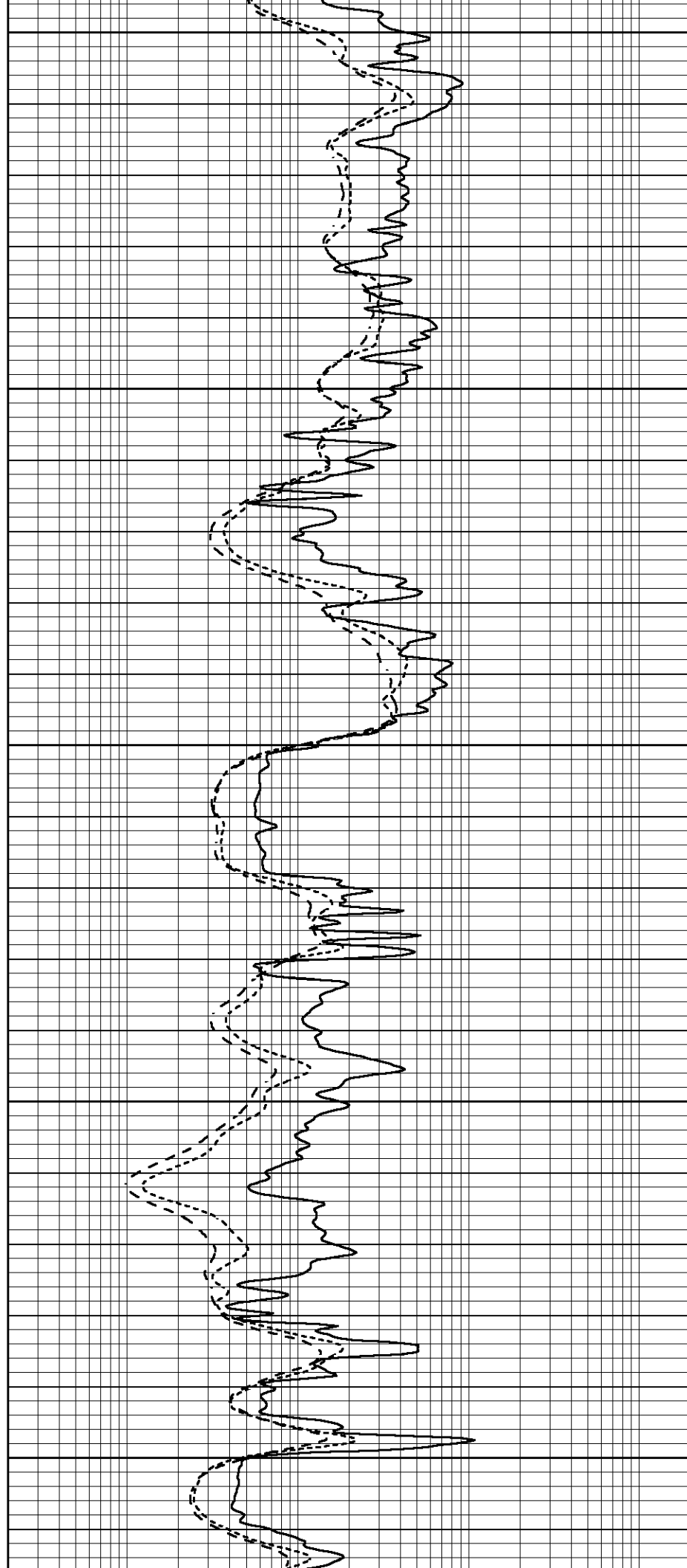
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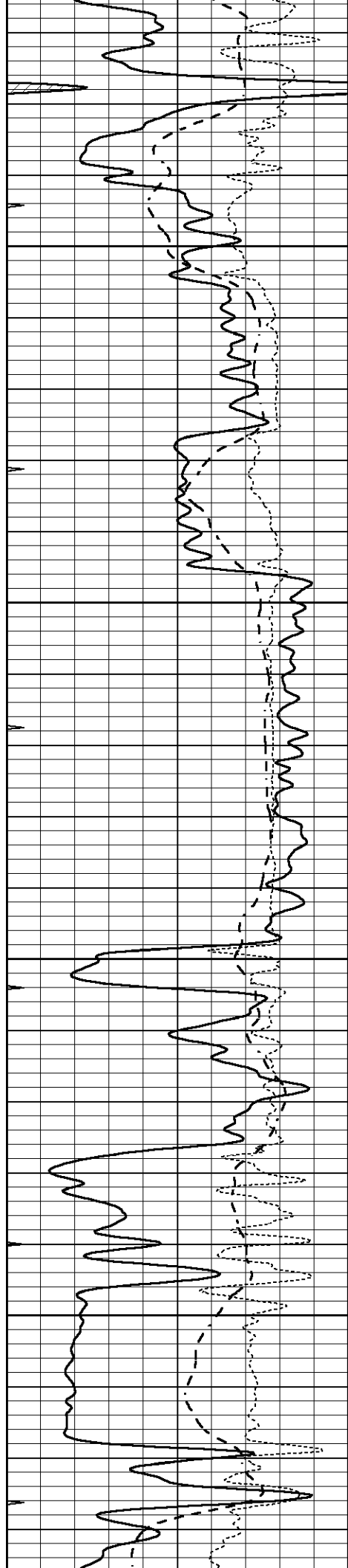
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3750



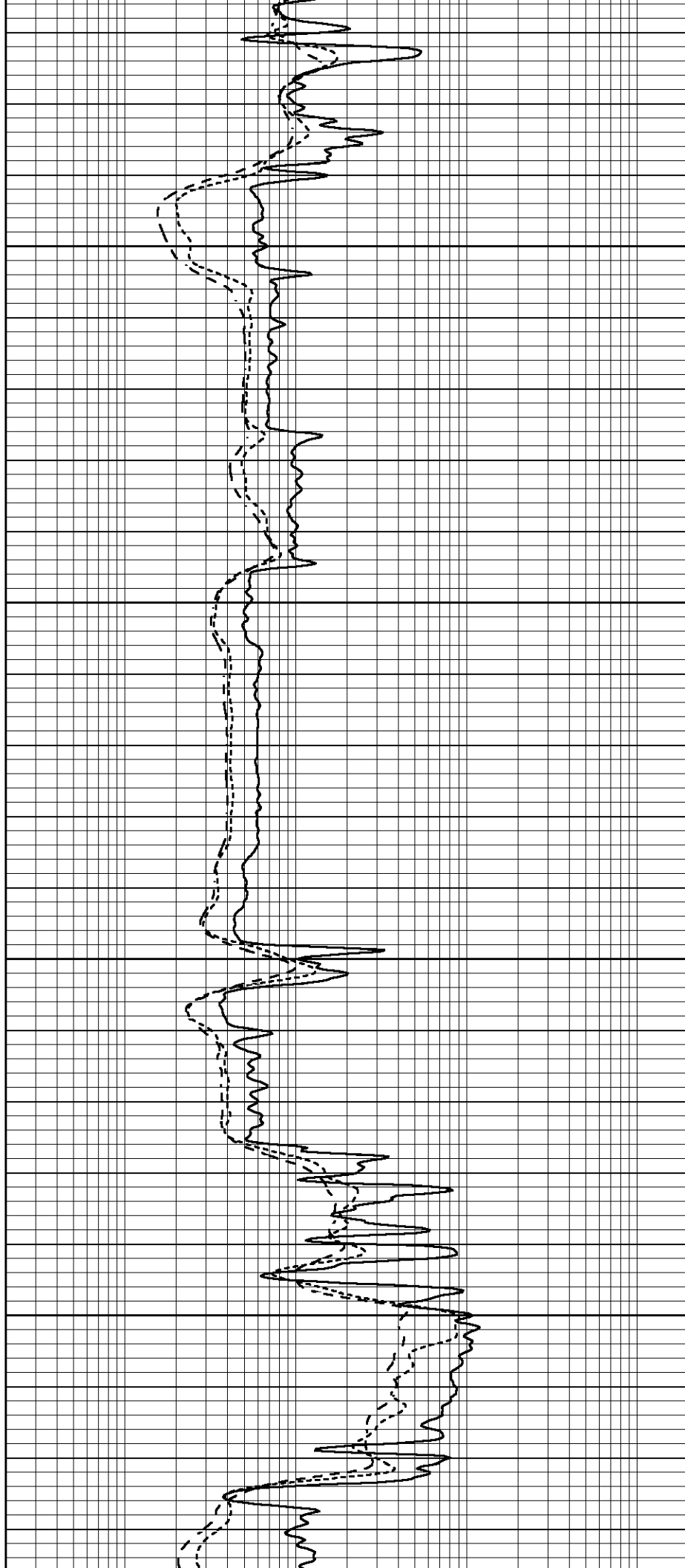


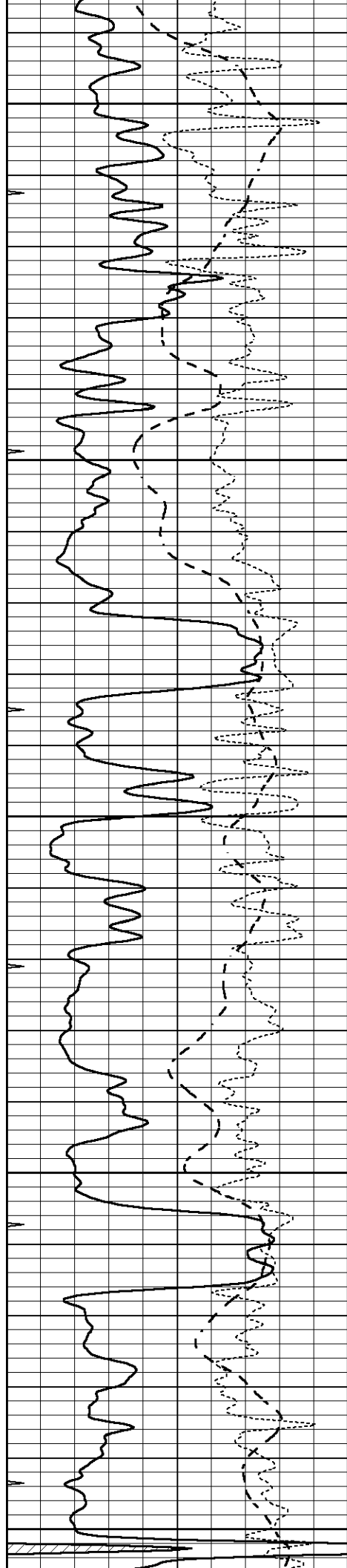
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3900

3950





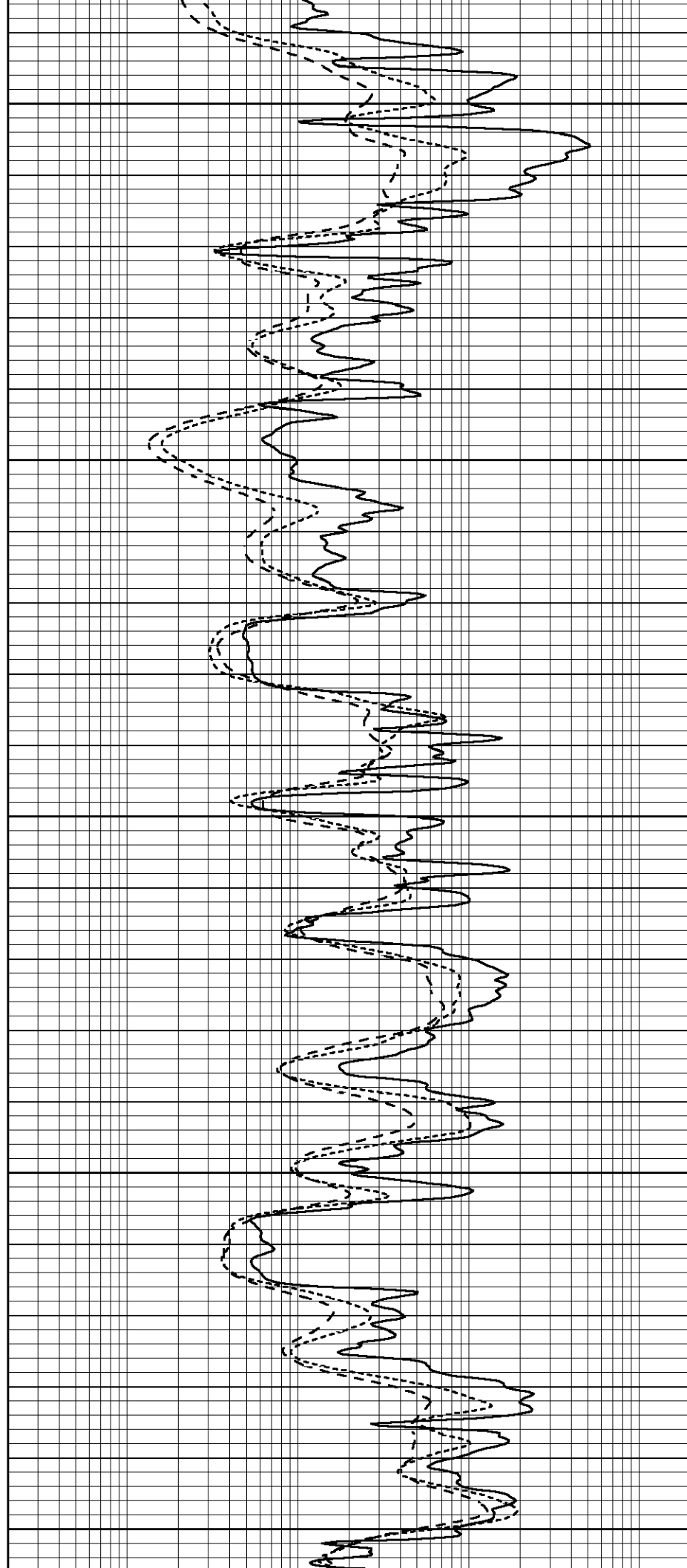
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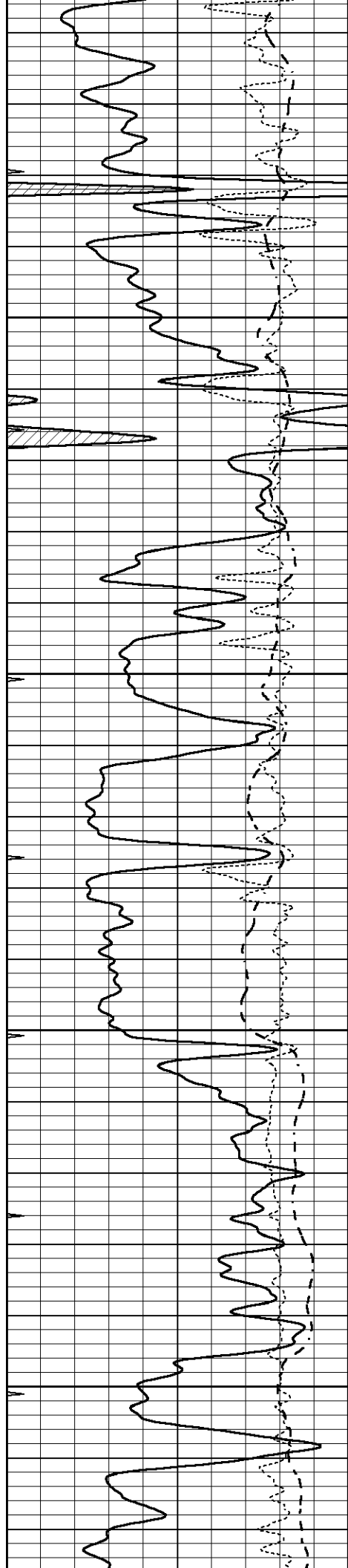
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4100

4150

4200



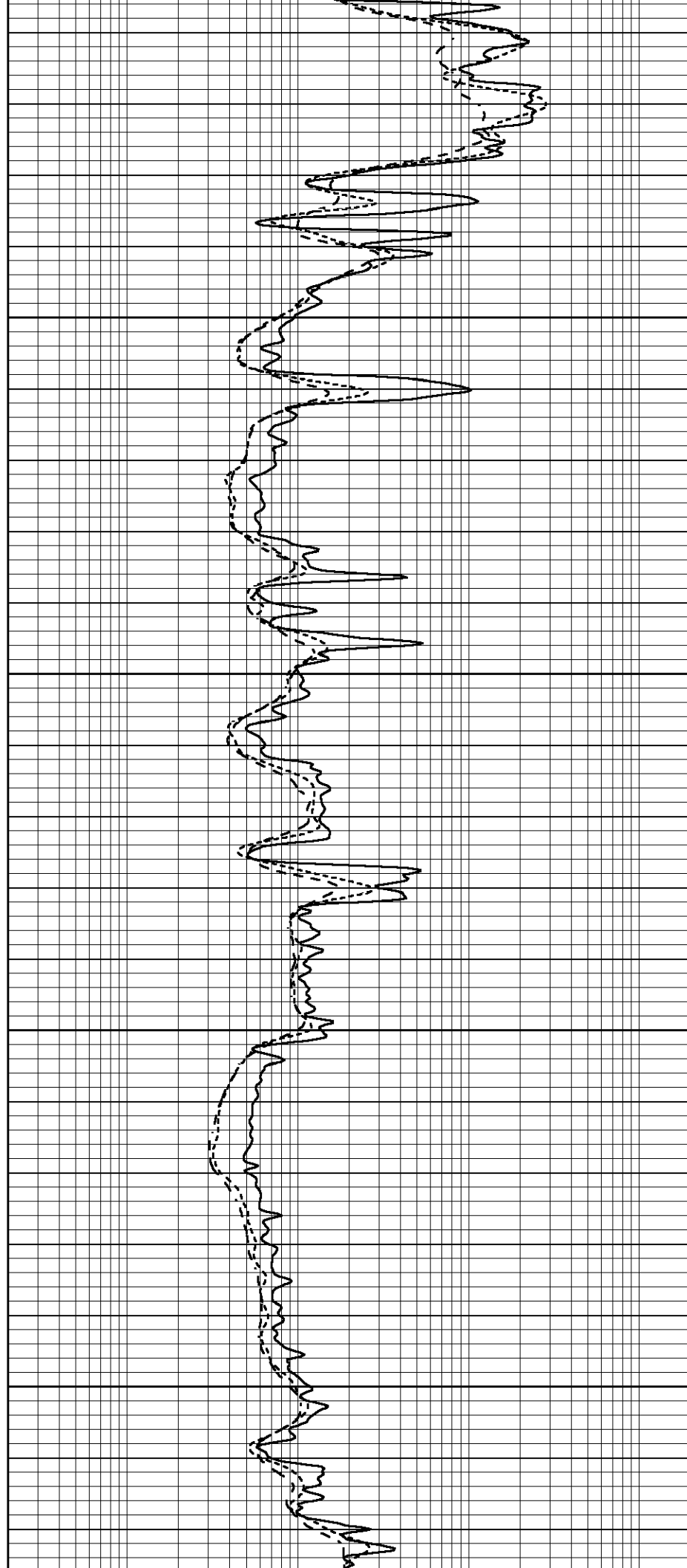


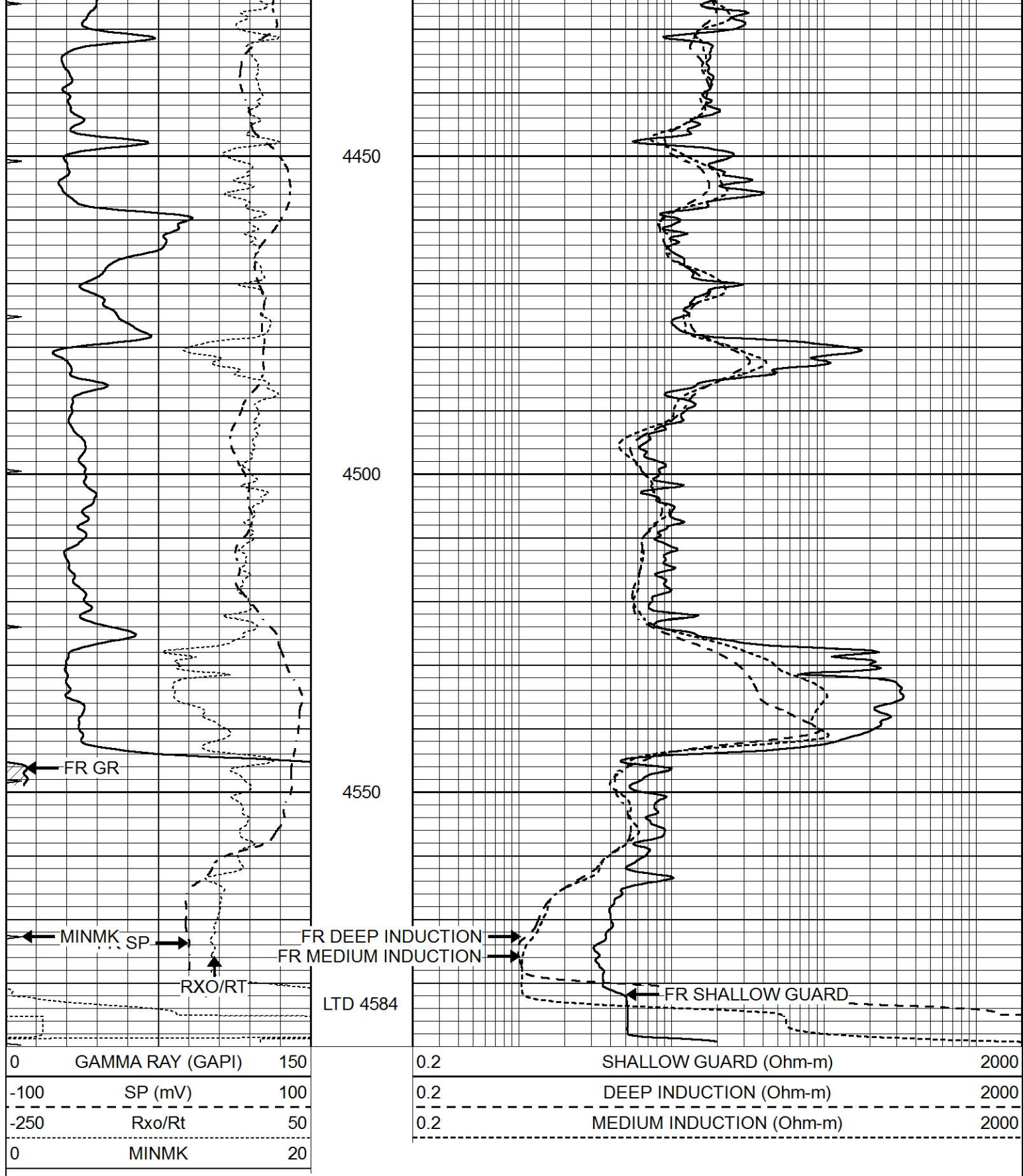
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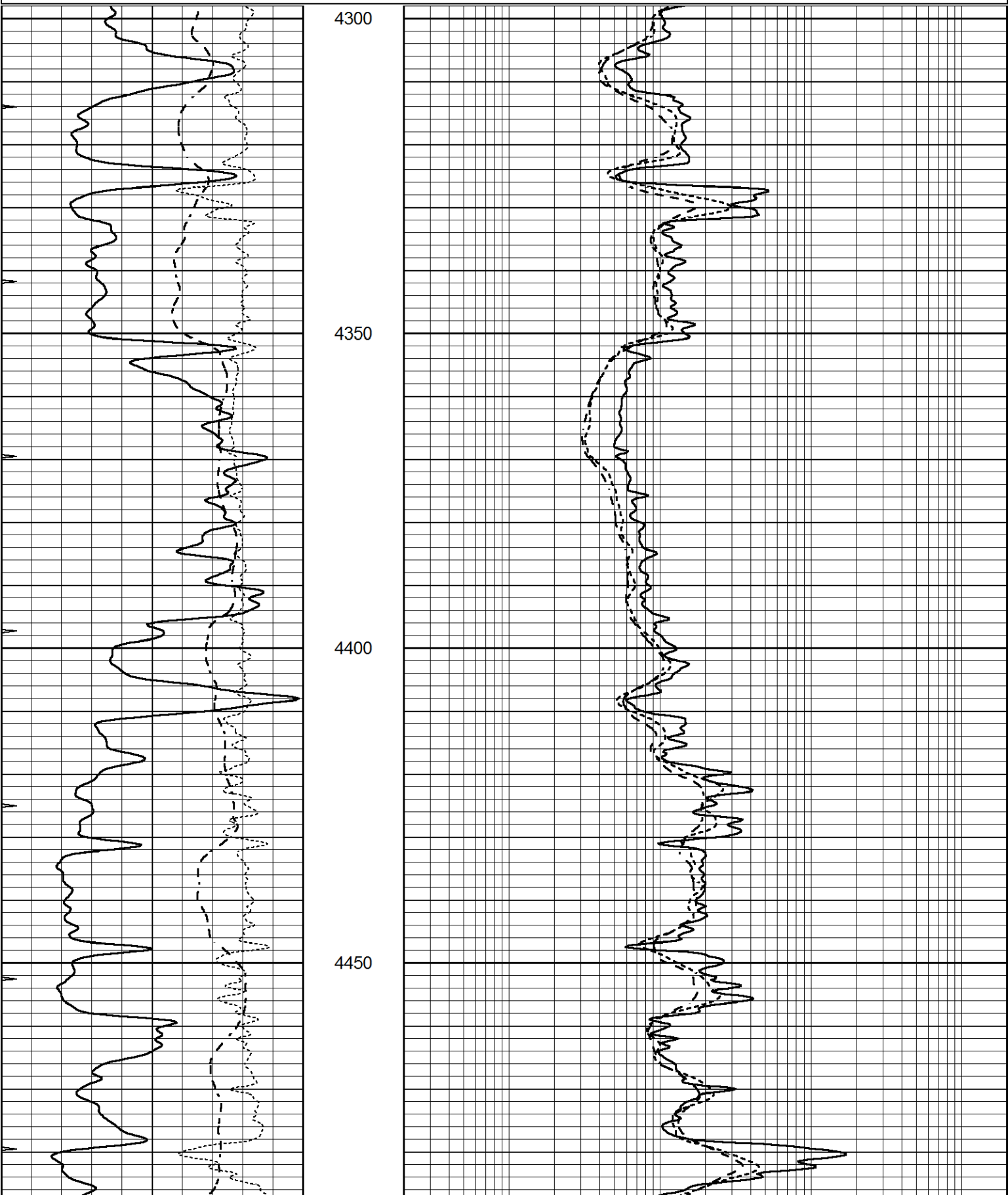
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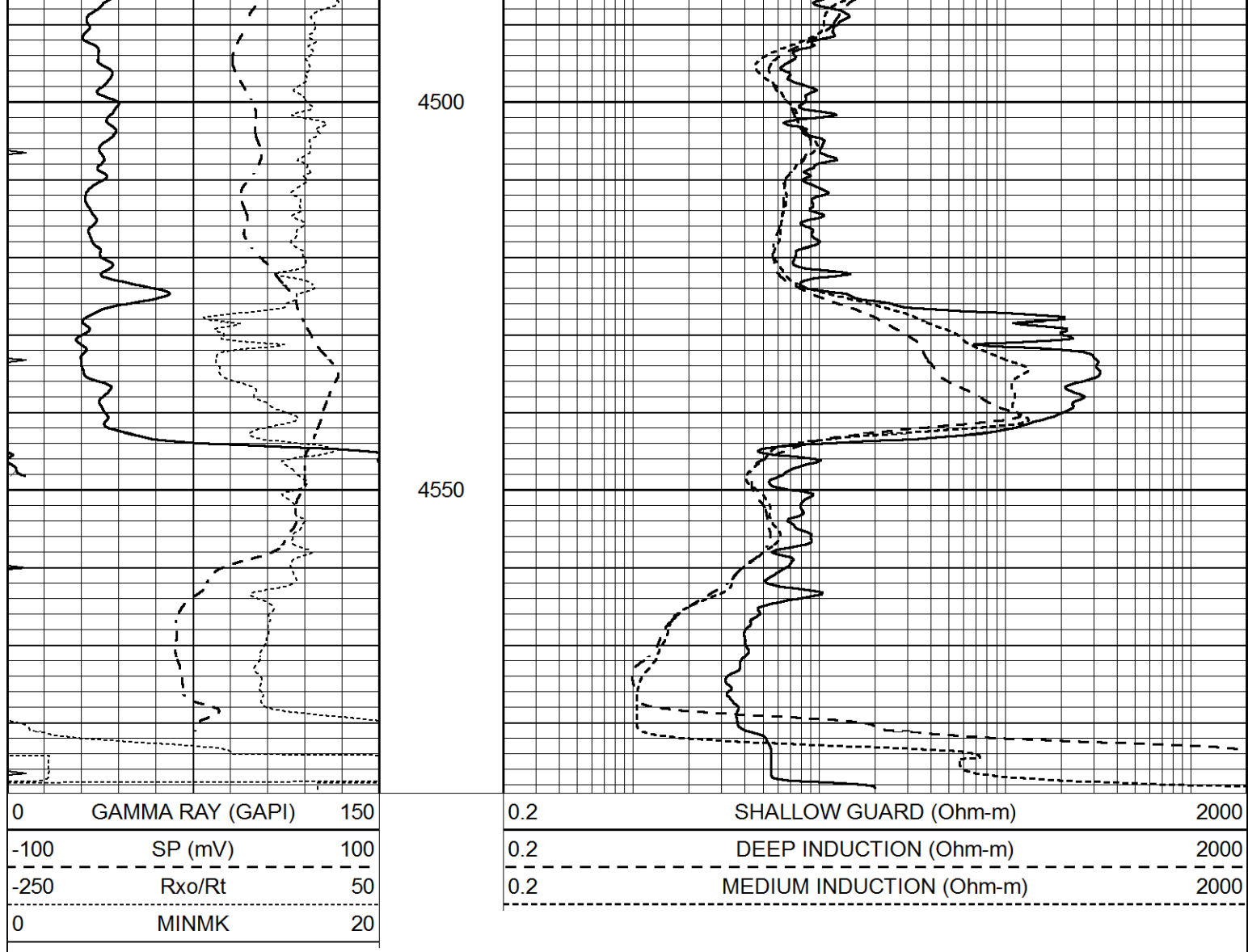




REPEAT SECTION

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





Calibration Report									
Database File	7085pe.db								
Dataset Pathname	pass3.1M								
Dataset Creation	Sat Oct 01 05:38:39 2022								
Dual Induction Calibration Report									
Serial-Model:				PROBE8-DILG					
Surface Cal Performed:				Wed Sep 28 10:25:17 2022					
Downhole Cal Performed:				Mon Jul 28 11:08:27 2008					
After Survey Verification Performed:				Mon Jul 28 11:08:27 2008					
Surface Calibration									
		Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.015	0.648	V	0.000	400.000	mmho/m	640.000	12.000	
Medium	0.029	0.796	V	0.000	464.000	mmho/m	600.000	0.000	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619	
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739	
Downhole Calibration									
		Readings			References			Results	

	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3800.000	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: 004 Model: PRB								
Master Calibration								
Performed Tue Aug 02 11:29:35 2022								
	Background	Magnesium		Aluminum		Aluminum+Fe		
Window 1	1154.2	10019.5		3137.9		2795.6		cps
Window 2	1054.4	8597.6		2733.4		2469.5		cps
Window 3	902.3	5241.4		1832.1		1719.3		cps
Window 4	251.9	261.1		255.8		252.9		cps
Long Space	0.0	7543.2		1679.0		1415.0		cps
Short Space	4.4	2049.3		1321.7		1116.8		cps
Rho		1.7100		2.5900		0.0000		g/cc
Pe		2.0000		2.7500		5.7900		
Rib Angle	: 43.7	Rib Slope	: 0.957	Density/Spine Ratio			: 0.562	
Spine Angle	: 73.7	Spine Slope	: 3.426	Spine Intercept			: -17.2	
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 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:		070808PMC	
Tool Model:		NABORS	
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:	Wed Sep 28 11:42:18 2022		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.3000	GAPI/cps	