

DUAL INDUCTION LOG

Company	BEREXCO, LLC.	Company	BEREXCO, LLC.
Well	WHP #1-18	Well	WHP #1-18
Field	McKINNEY	Field	McKINNEY
County	MEADE	County	MEADE
State	KANSAS	State	KANSAS
Location:	API # : 15-119-21471-0000	Other Services	CDL/CNL/PE MEL/SONIC
Permanent Datum	GROUND LEVEL	Elevation	2379
Log Measured From	KELLY BUSHING 12' A.G.L.	K.B. 2391 D.F. 2389 G.L. 2379	
Drilling Measured From	KELLY BUSHING		
Date	10/3/22		
Run Number	ONE		
Depth Driller	6150		
Depth Logger	6162		
Bottom Logged Interval	6160		
Top Log Interval	00		
Casing Driller	8 5/8"@1380'		
Casing Logger	1380		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4.000 PPM	
Density / Viscosity	9.3/59		
pH / Fluid Loss	9.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.00@77F		
Rmf @ Meas. Temp	.750@77F		
Rmc @ Meas. Temp	1.20@77F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.570@136F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	10:00 A.M.		
Maximum Recorded Temperature	135F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	BRYAN BYNOG		

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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.

15-119-21471-0000

Comments

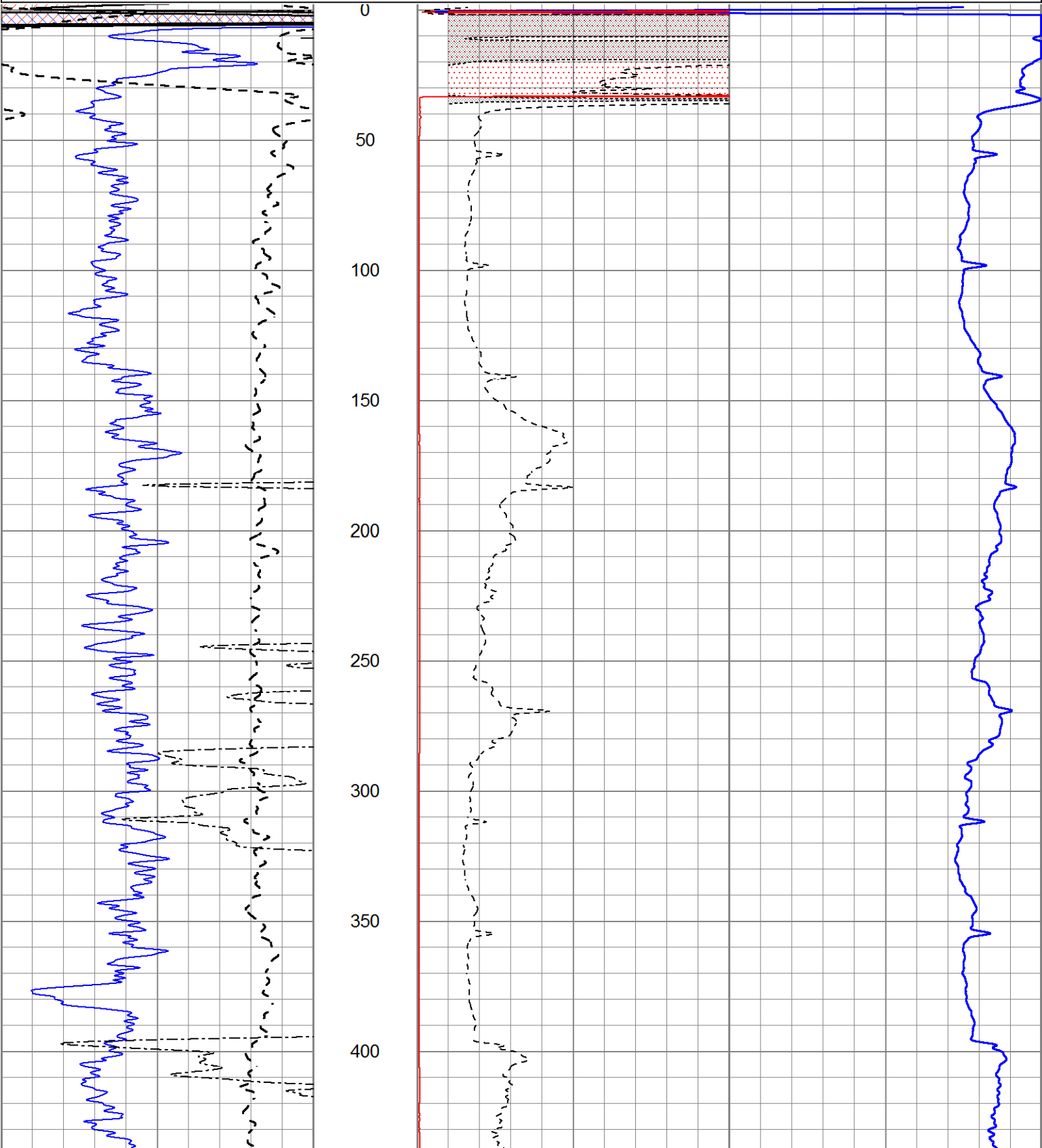
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
MEADE, KS., 8S. ON BLKTOP TO "RD. V", 14 EAST, SOUTH & EAST & SOUTH TO "RD. BB", 3/4
EAST TO CATTLE GUARD, 3/4 N. INTO

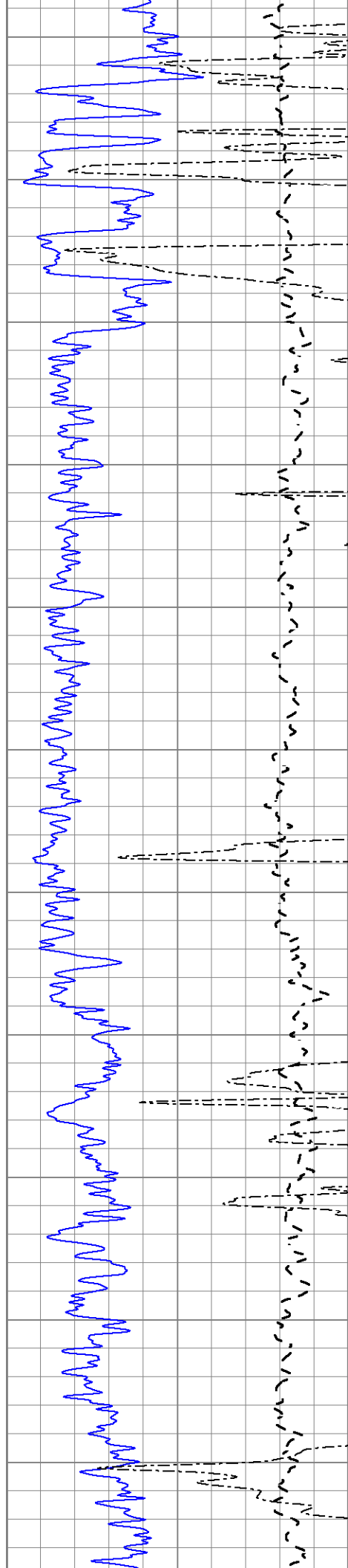


MAIN SECTION

Database File	7087pe.db
Dataset Pathname	pass3.1M
Presentation Format	_dil2
Dataset Creation	Mon Oct 03 12:15:30 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





450

500

550

600

650

700

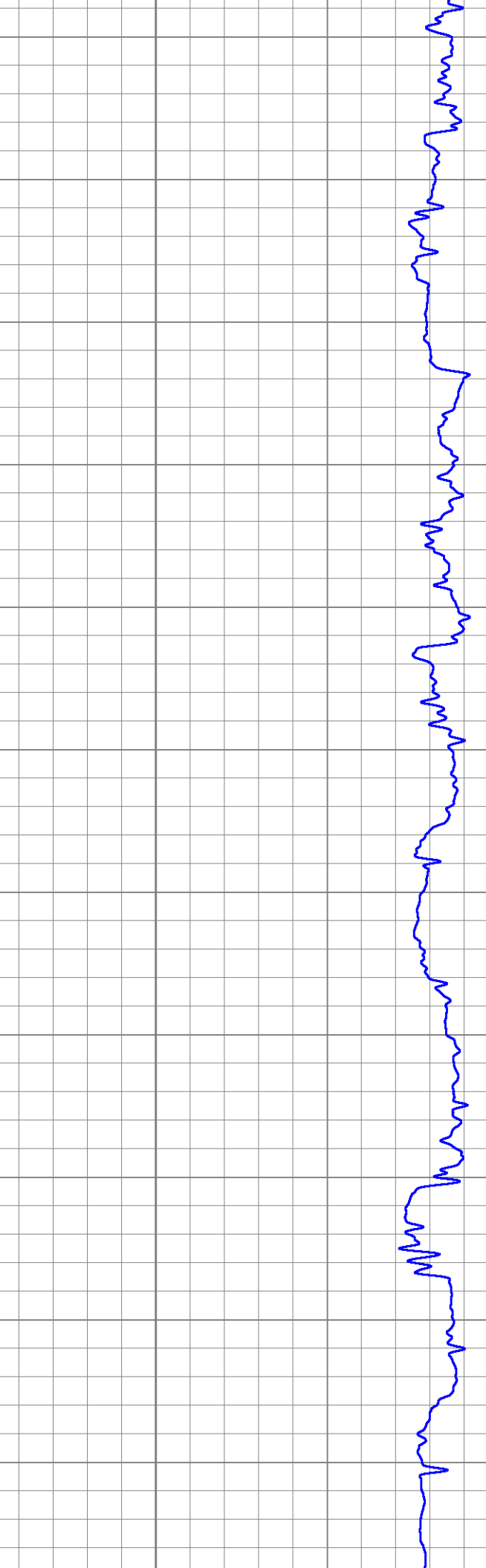
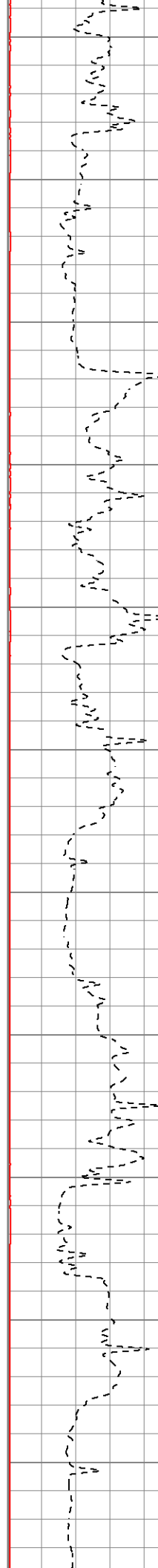
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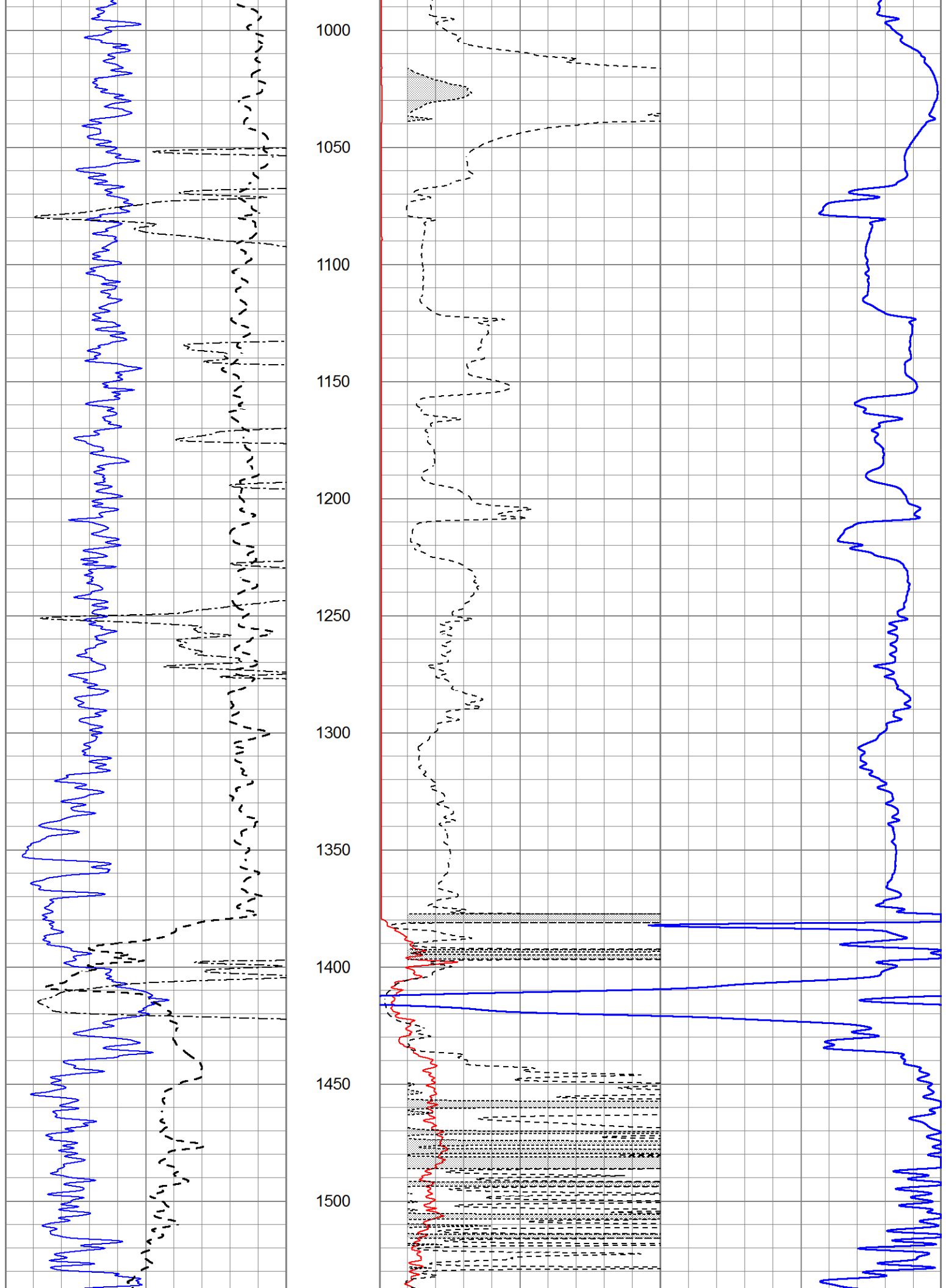
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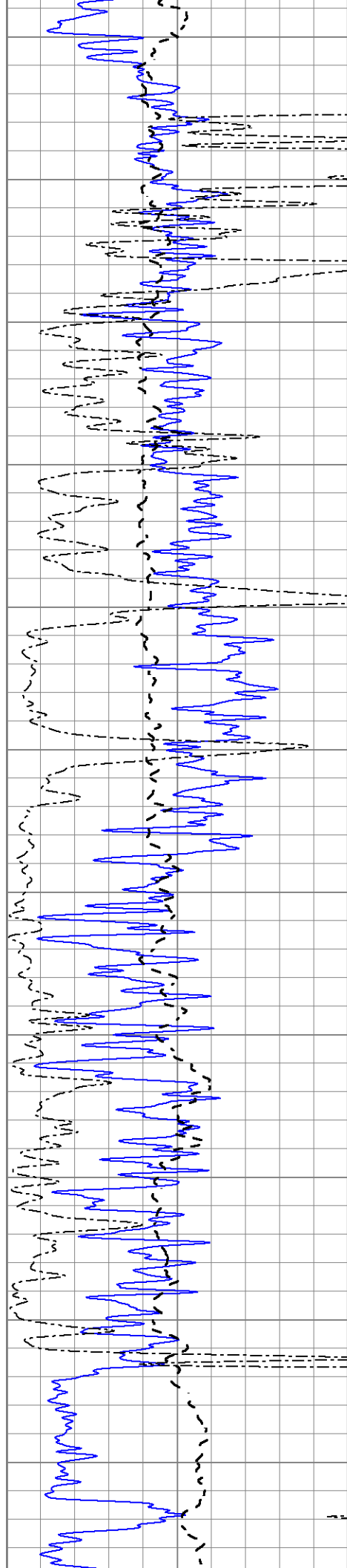
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900

950







1550

1600

1650

1700

1750

1800

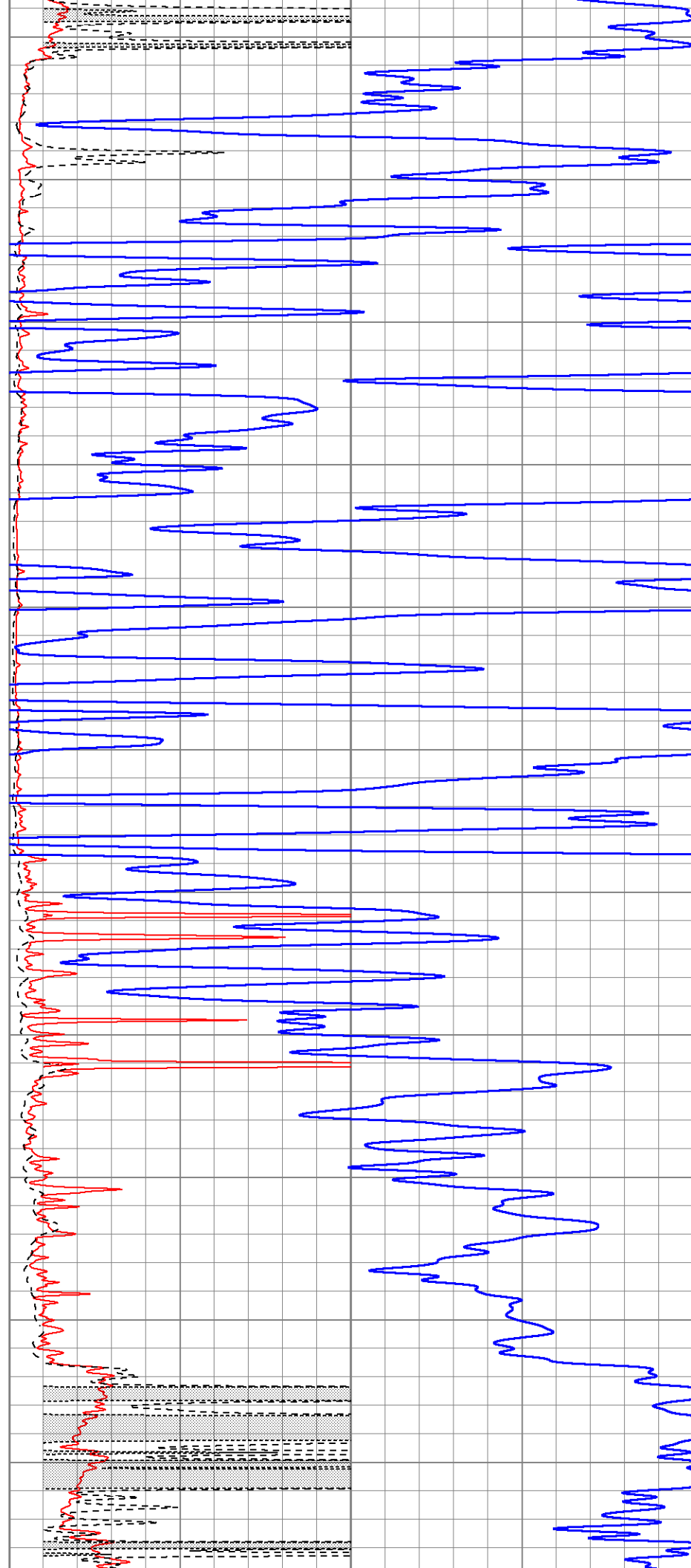
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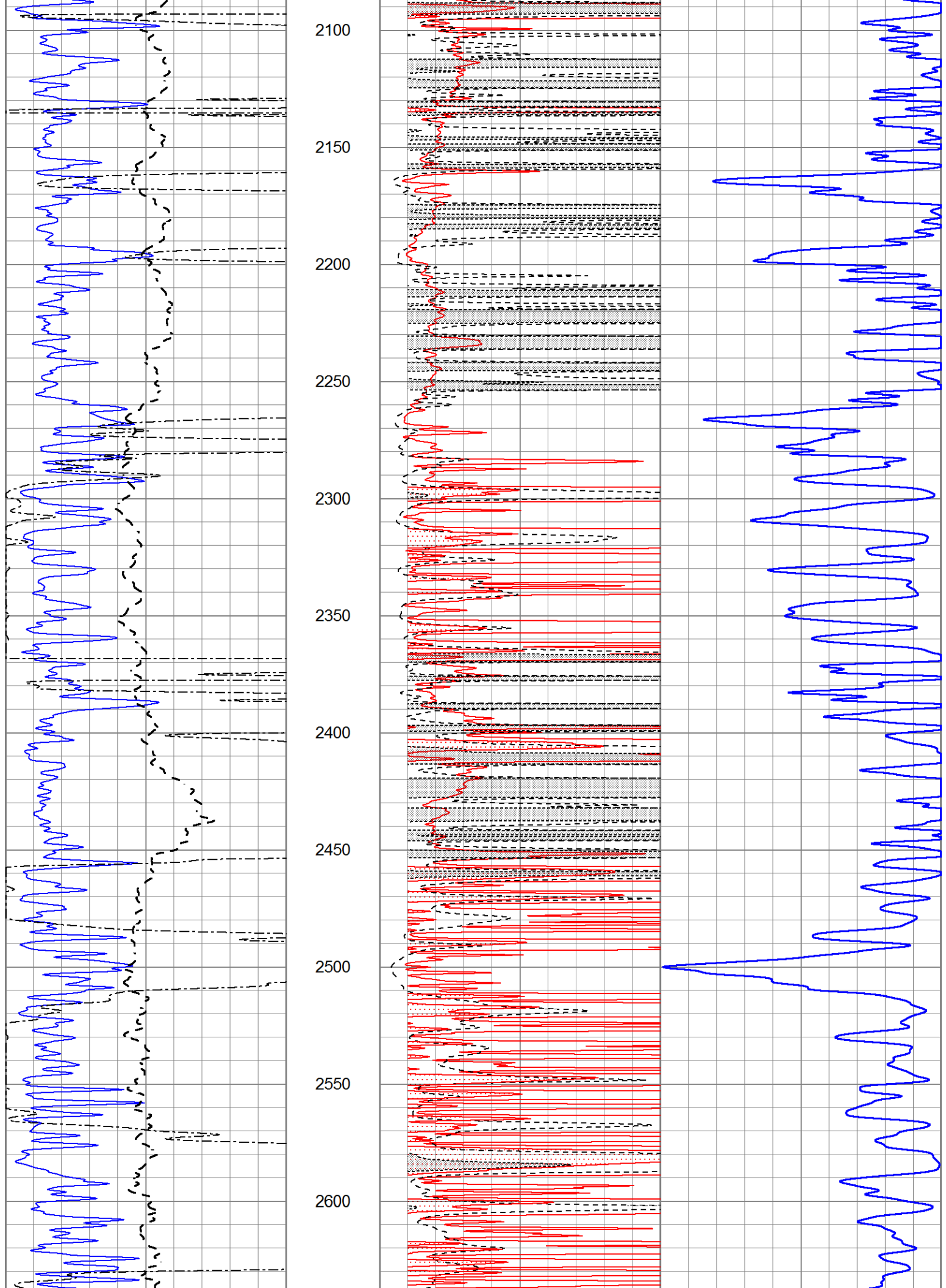
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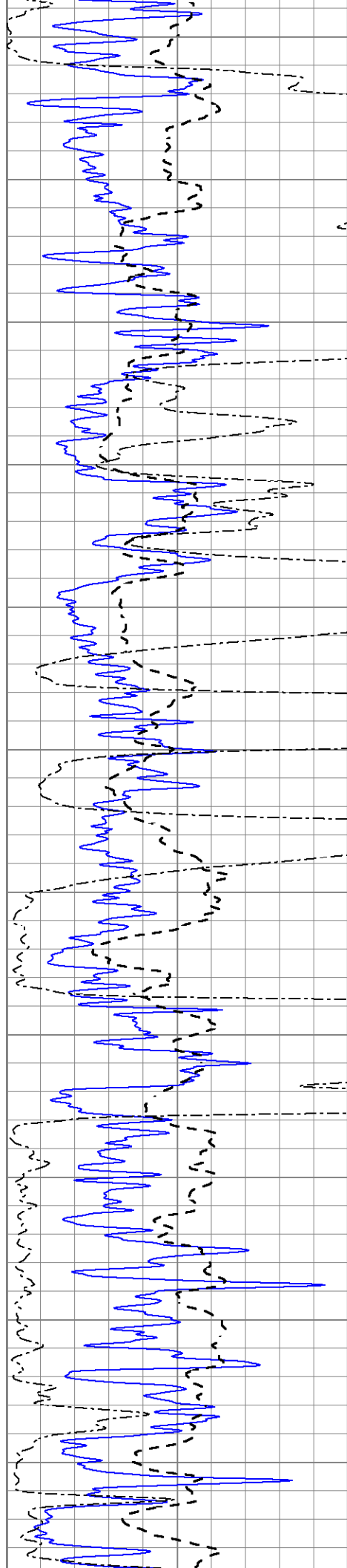
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2000

2050







2650

2700

2750

2800

2850

2900

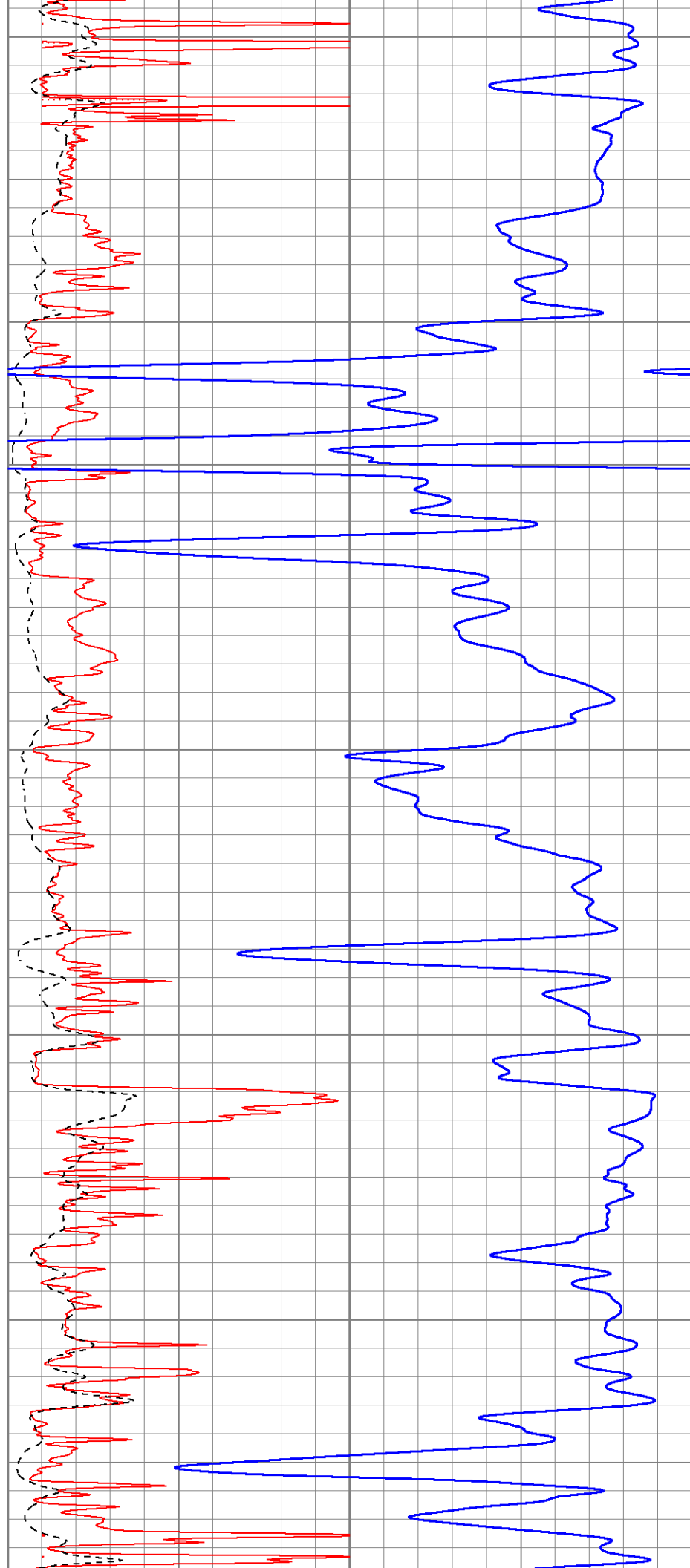
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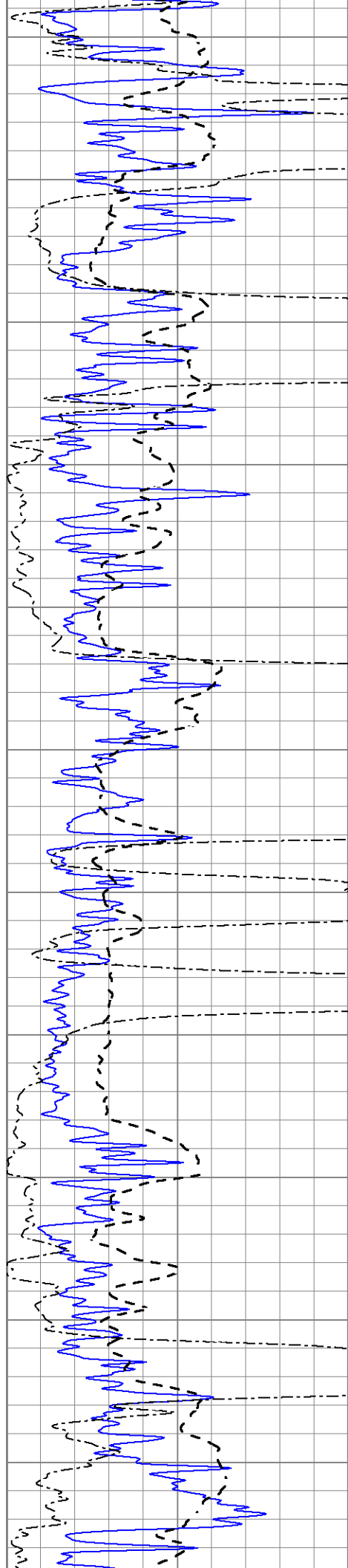
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3050

3100

3150





3200

3250

3300

3350

3400

3450

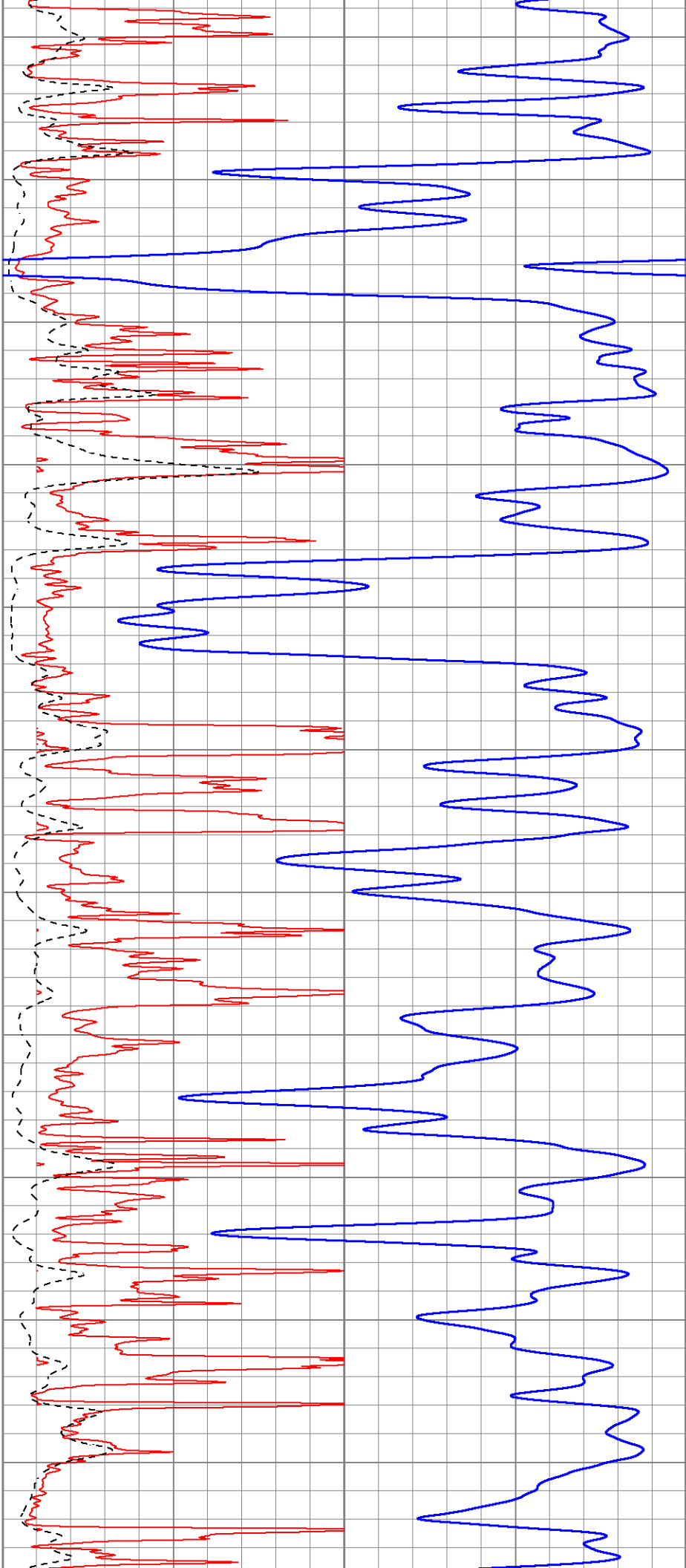
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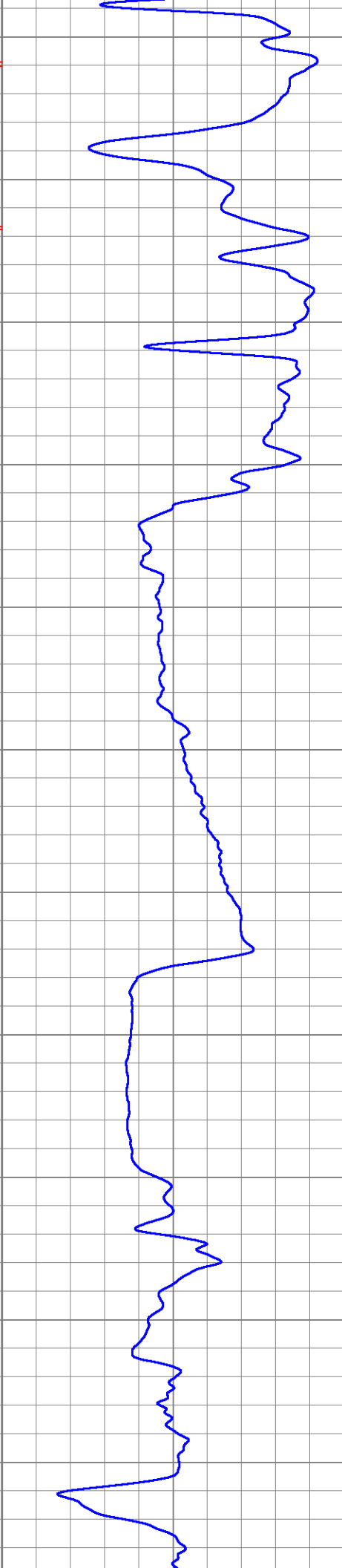
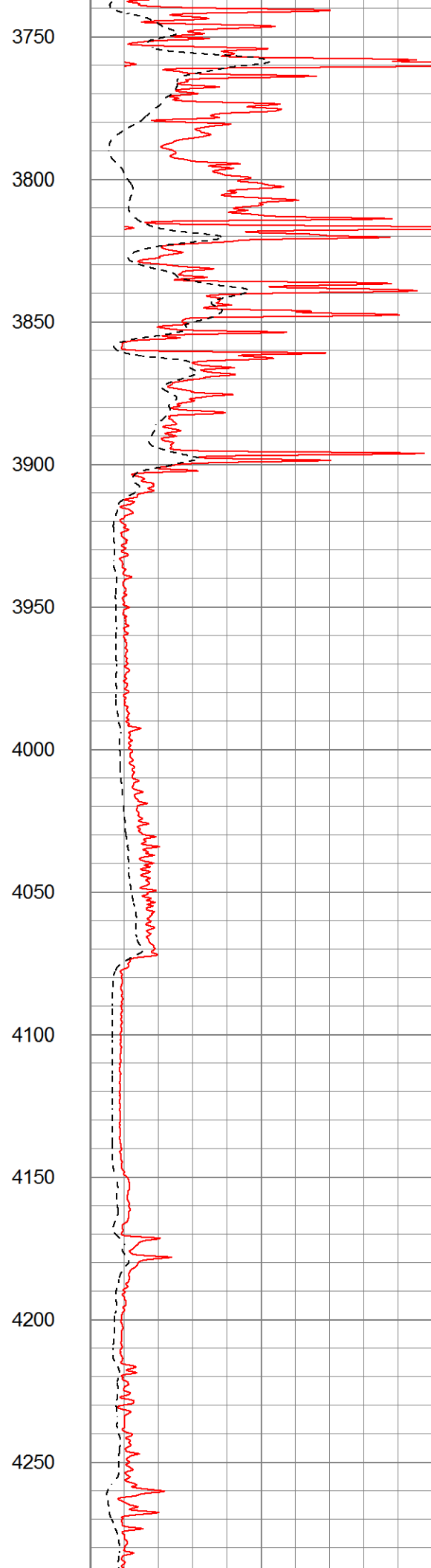
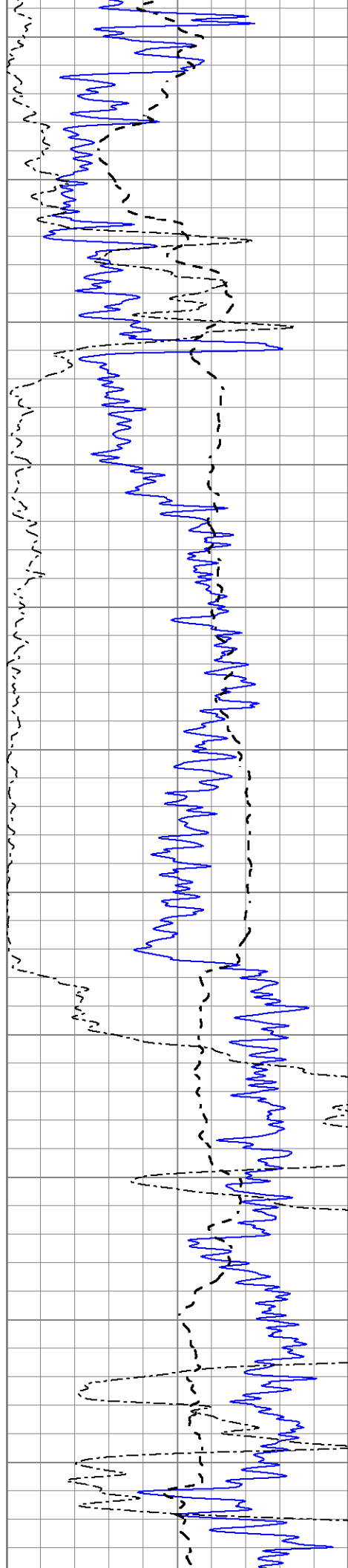
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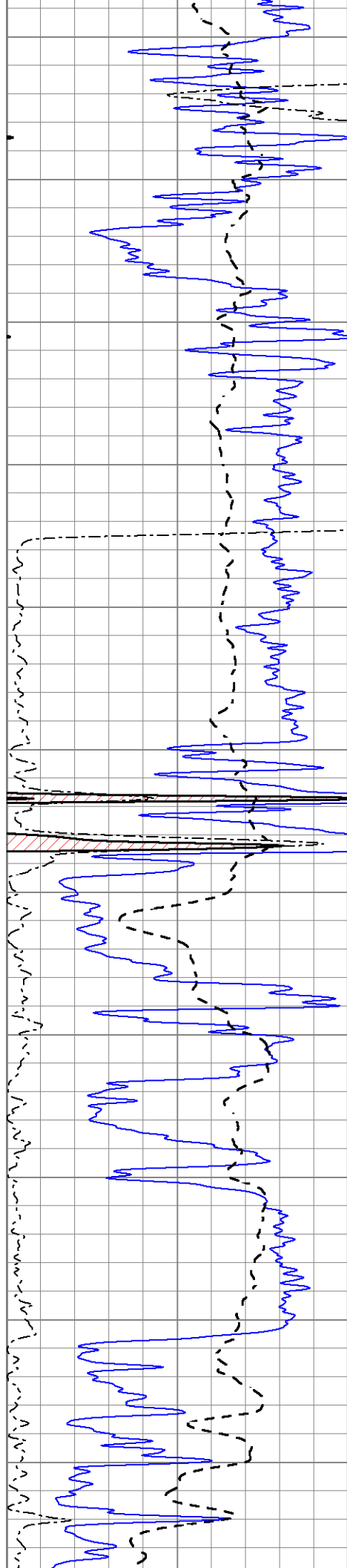
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3700







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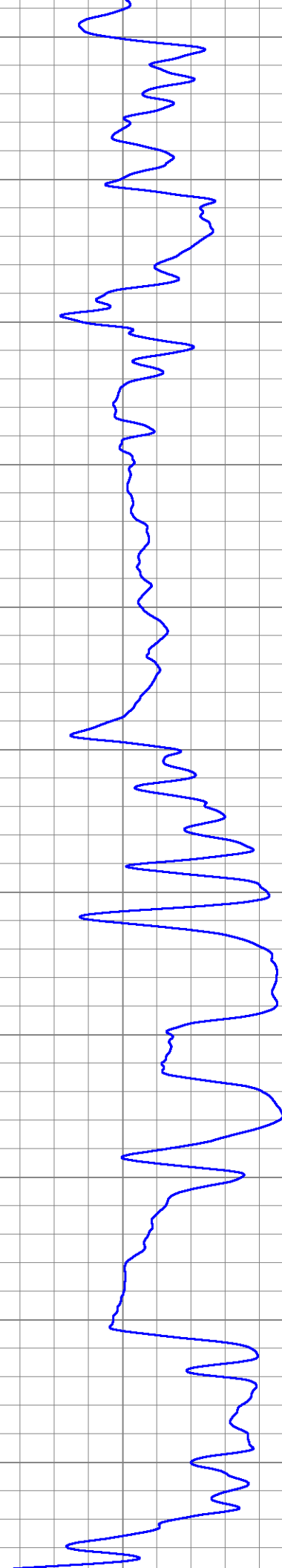
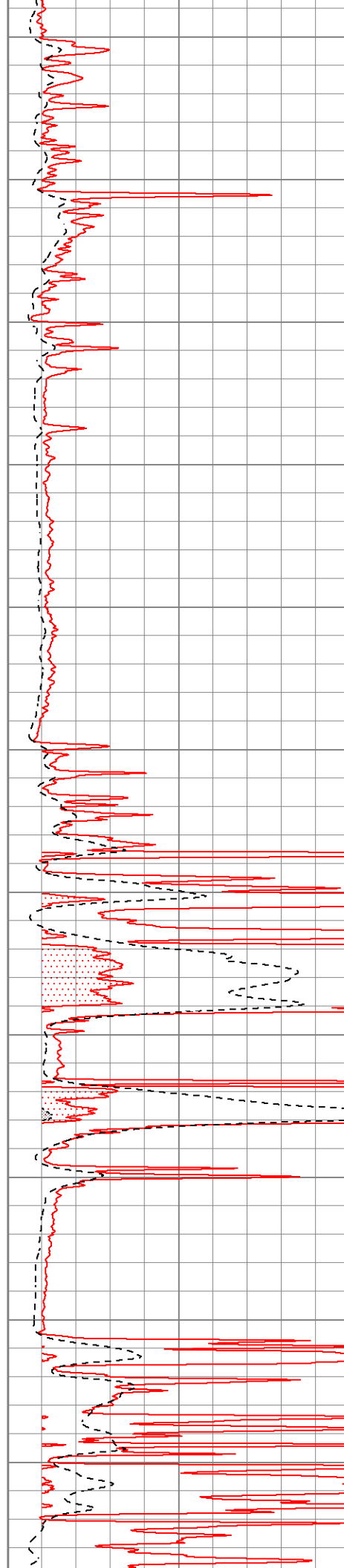
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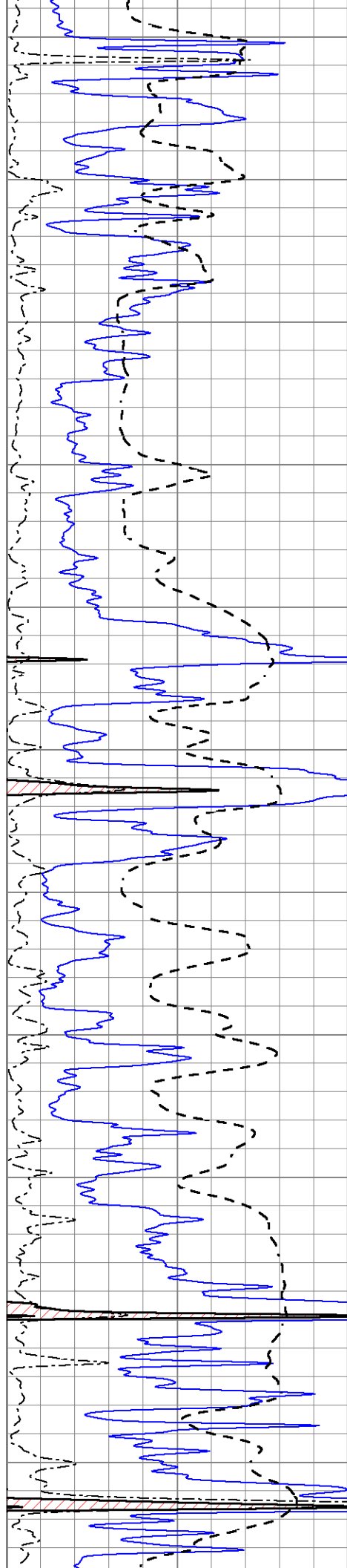
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4800





4850

4900

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5000

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5100

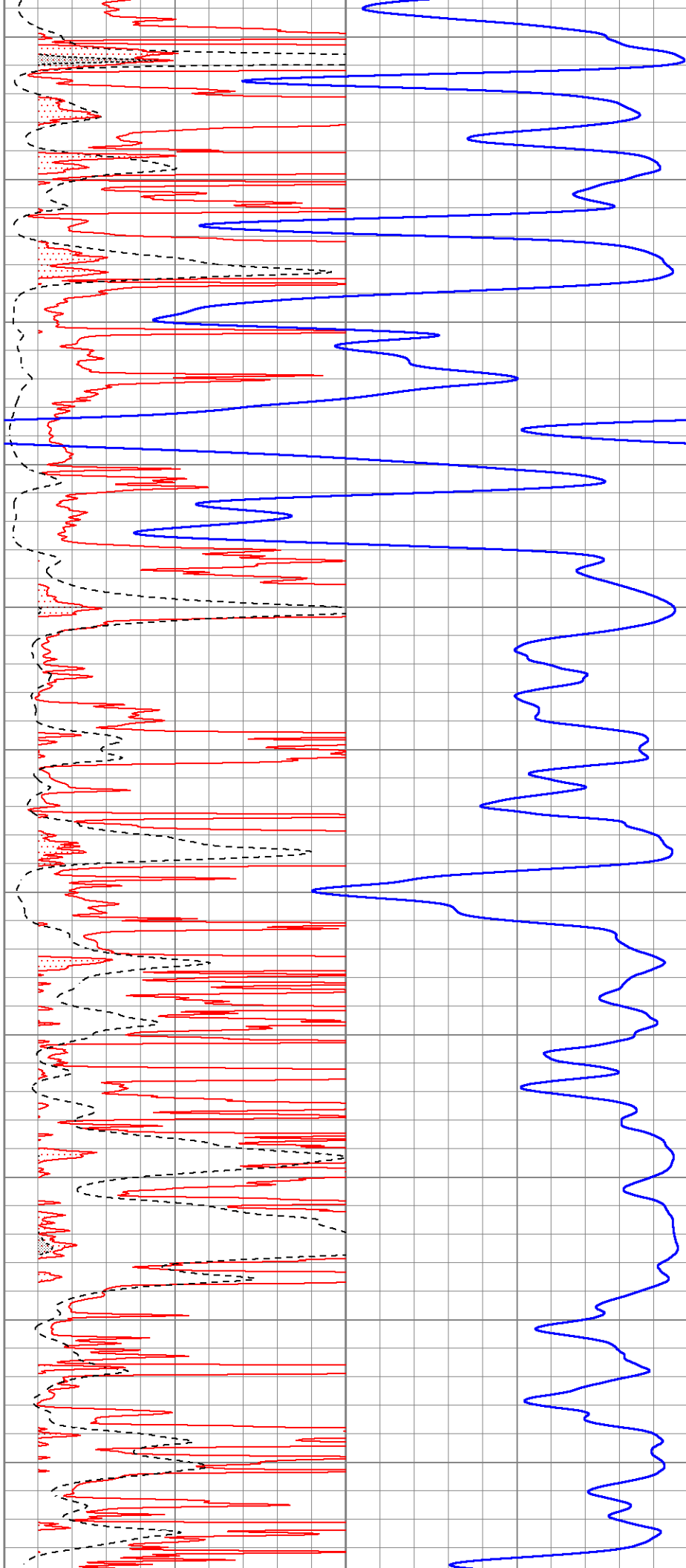
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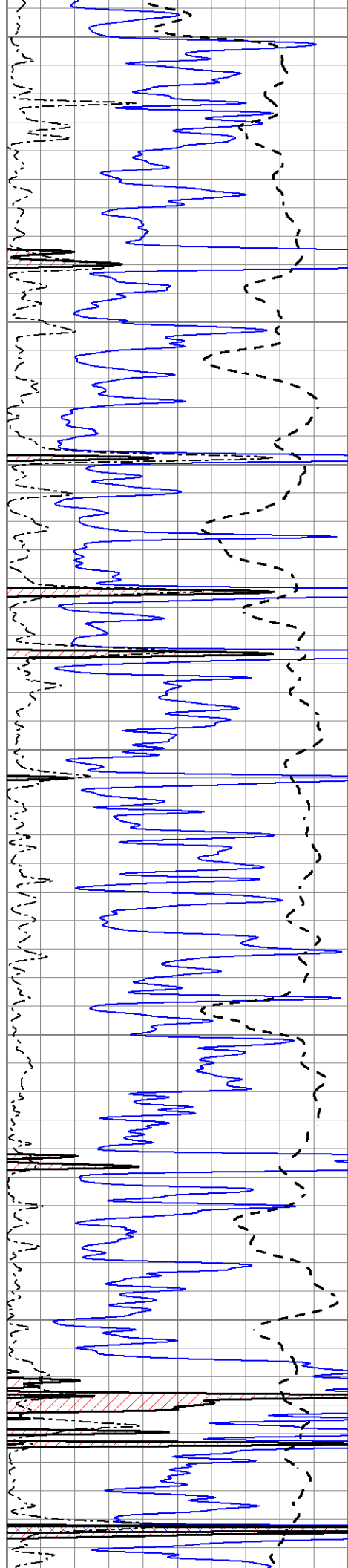
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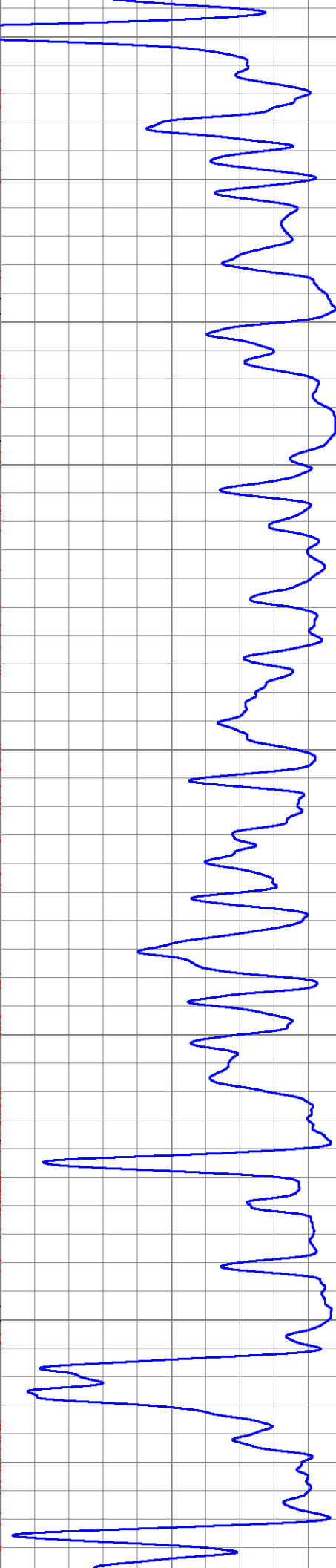
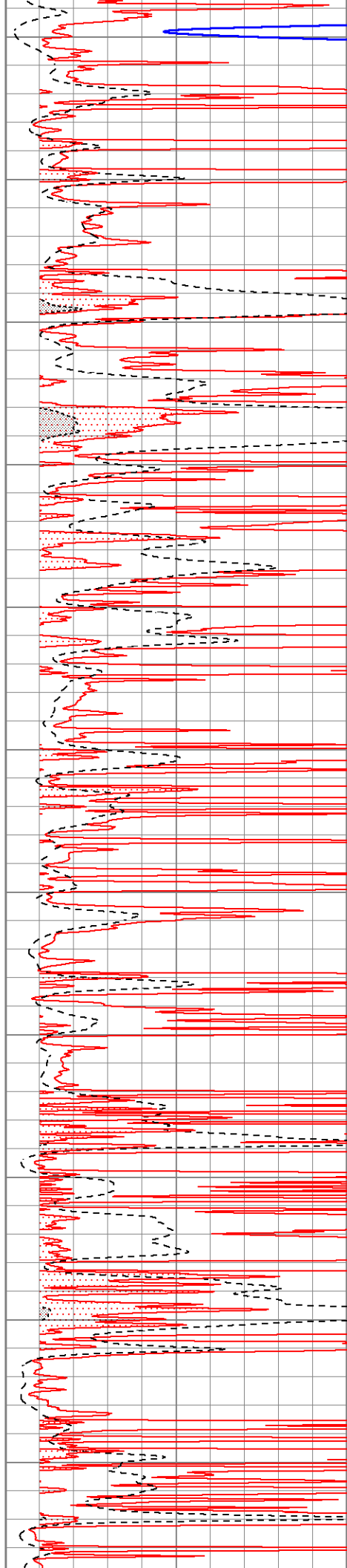
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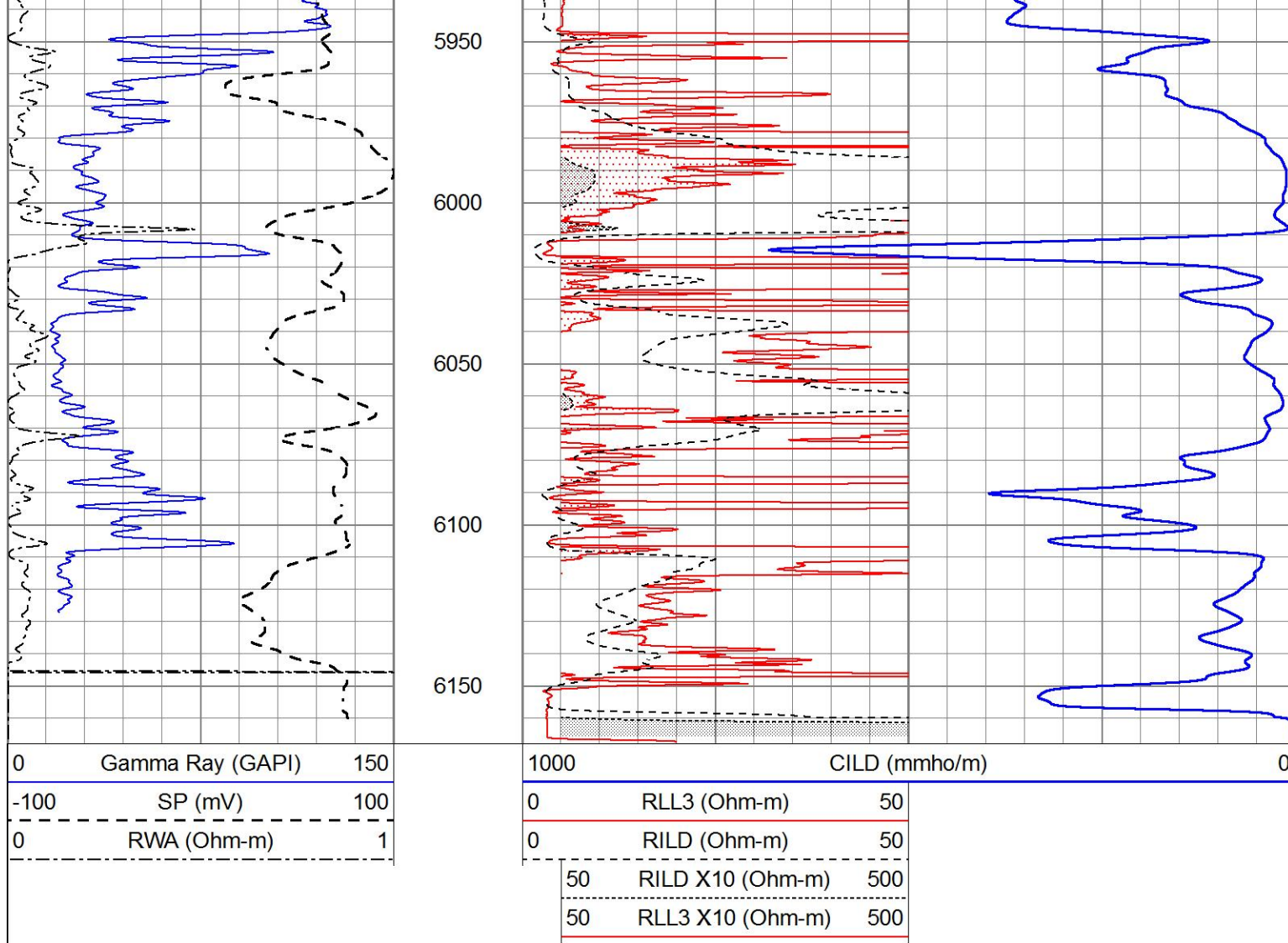
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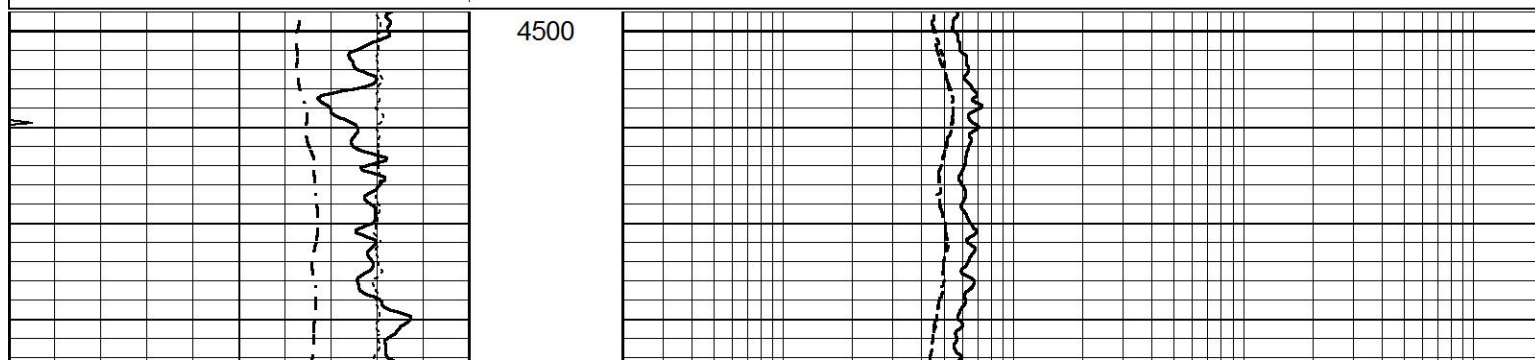


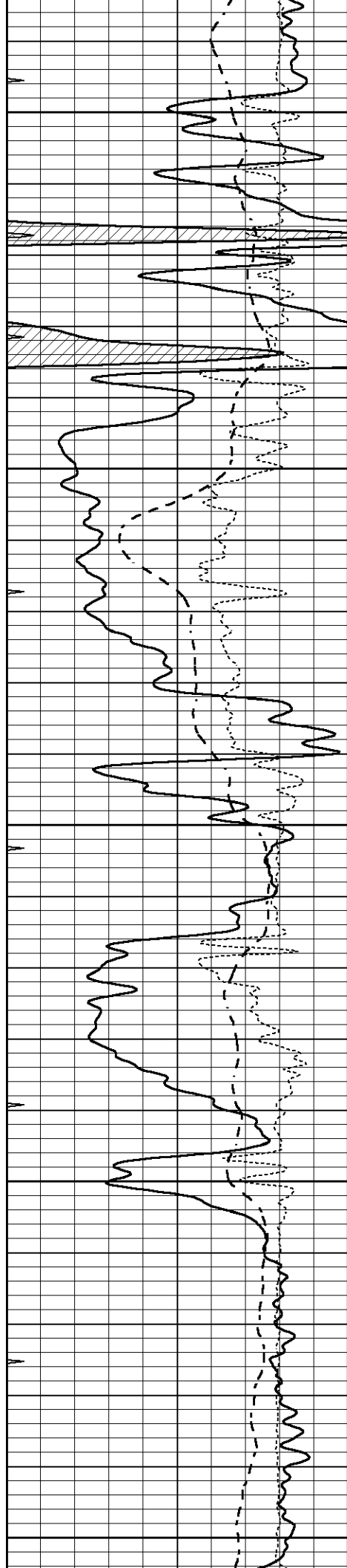


MAIN SECTION

Database File 7087pe.db
 Dataset Pathname pass3.1M
 Presentation Format _dil
 Dataset Creation Mon Oct 03 12:15:30 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			





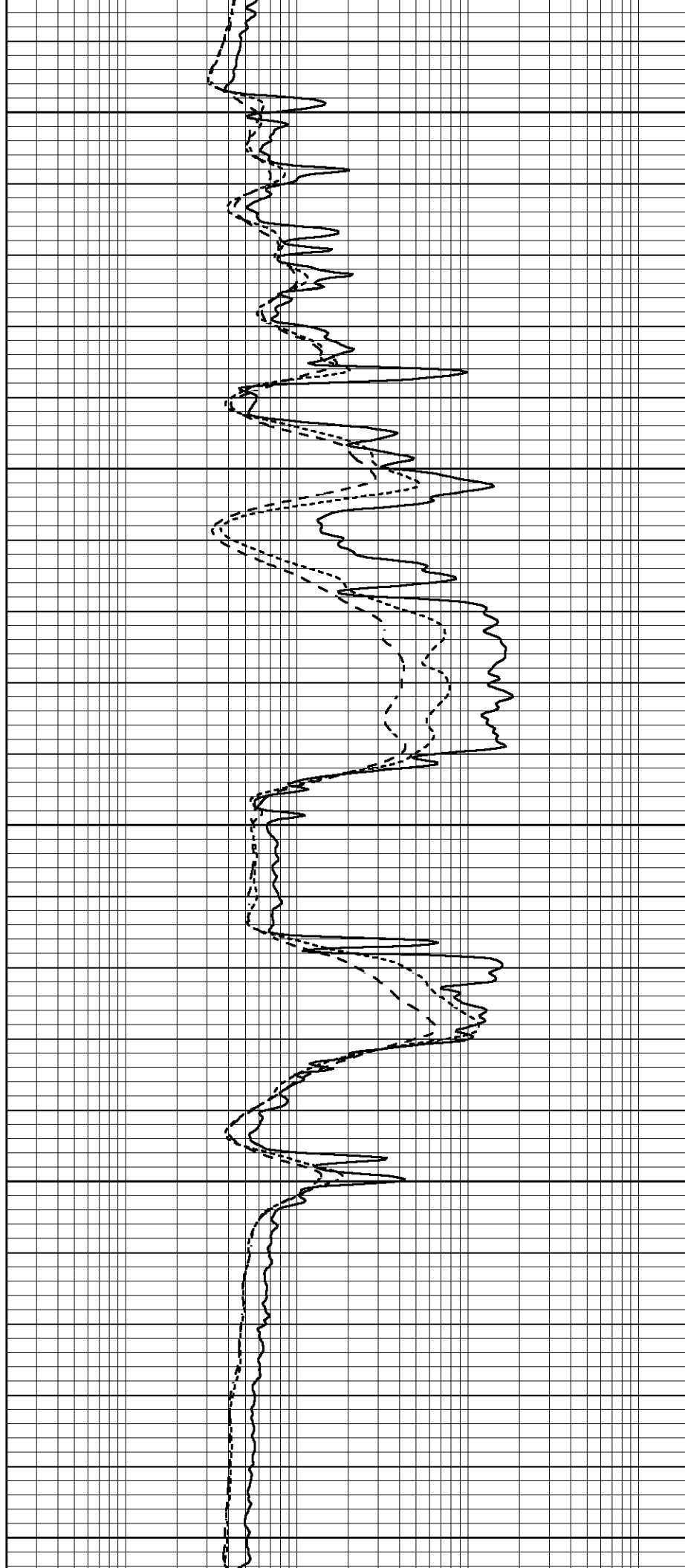
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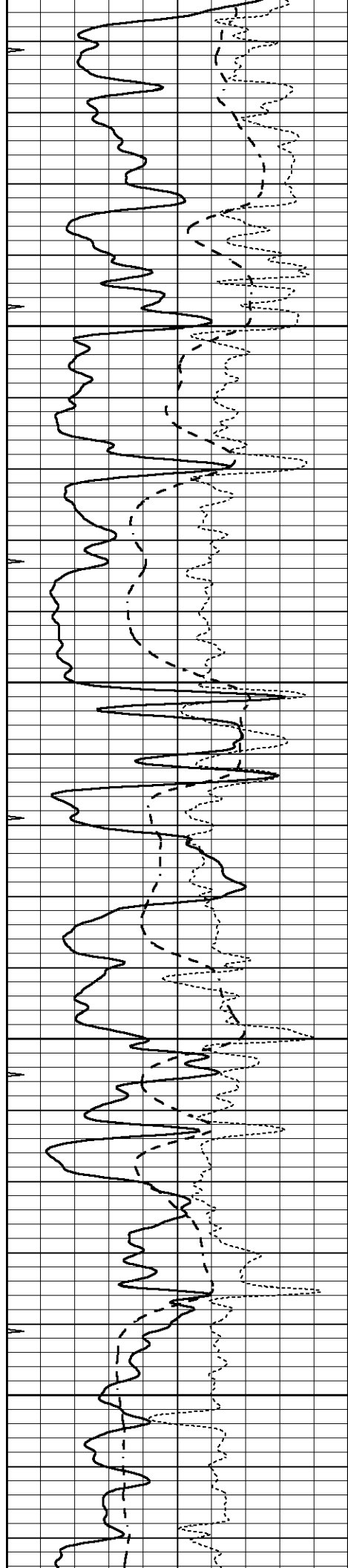
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4650

4700

4750



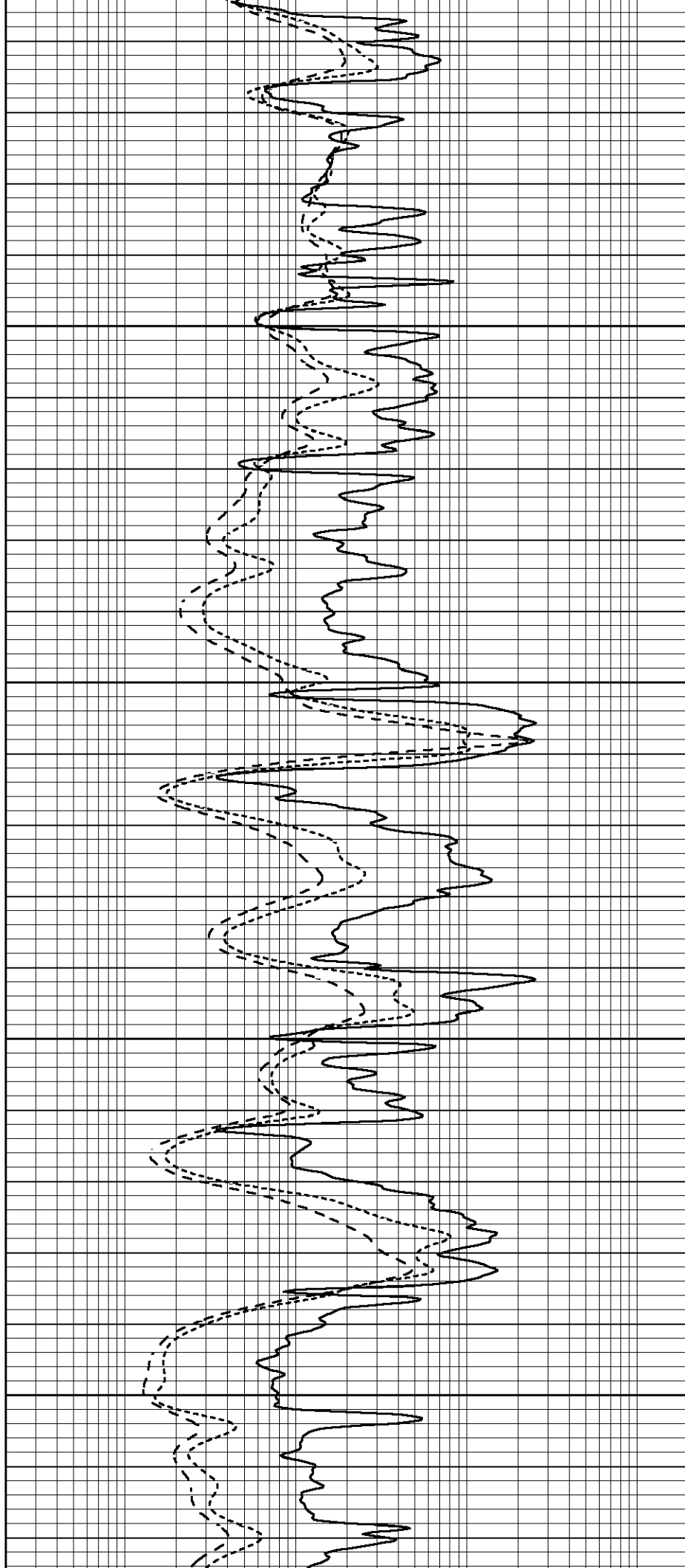


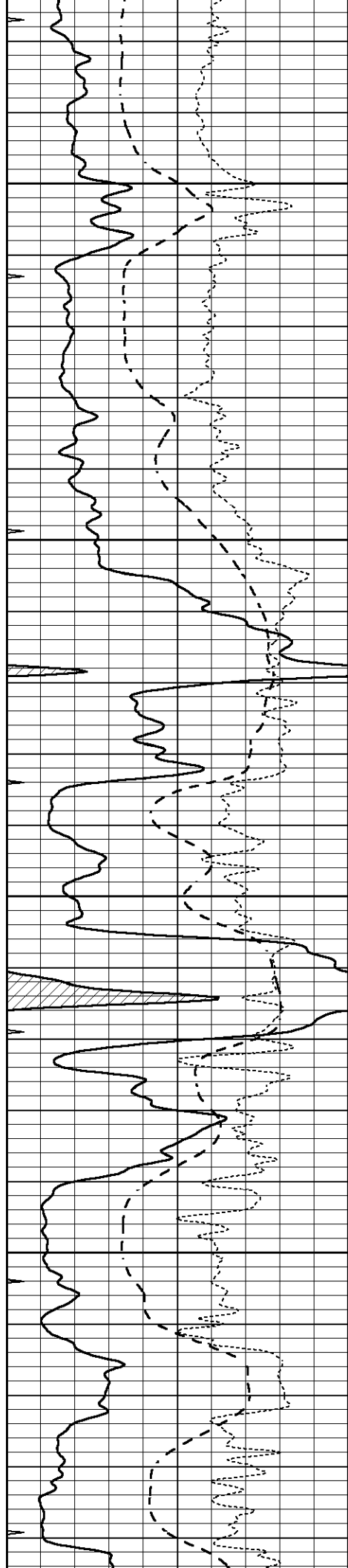
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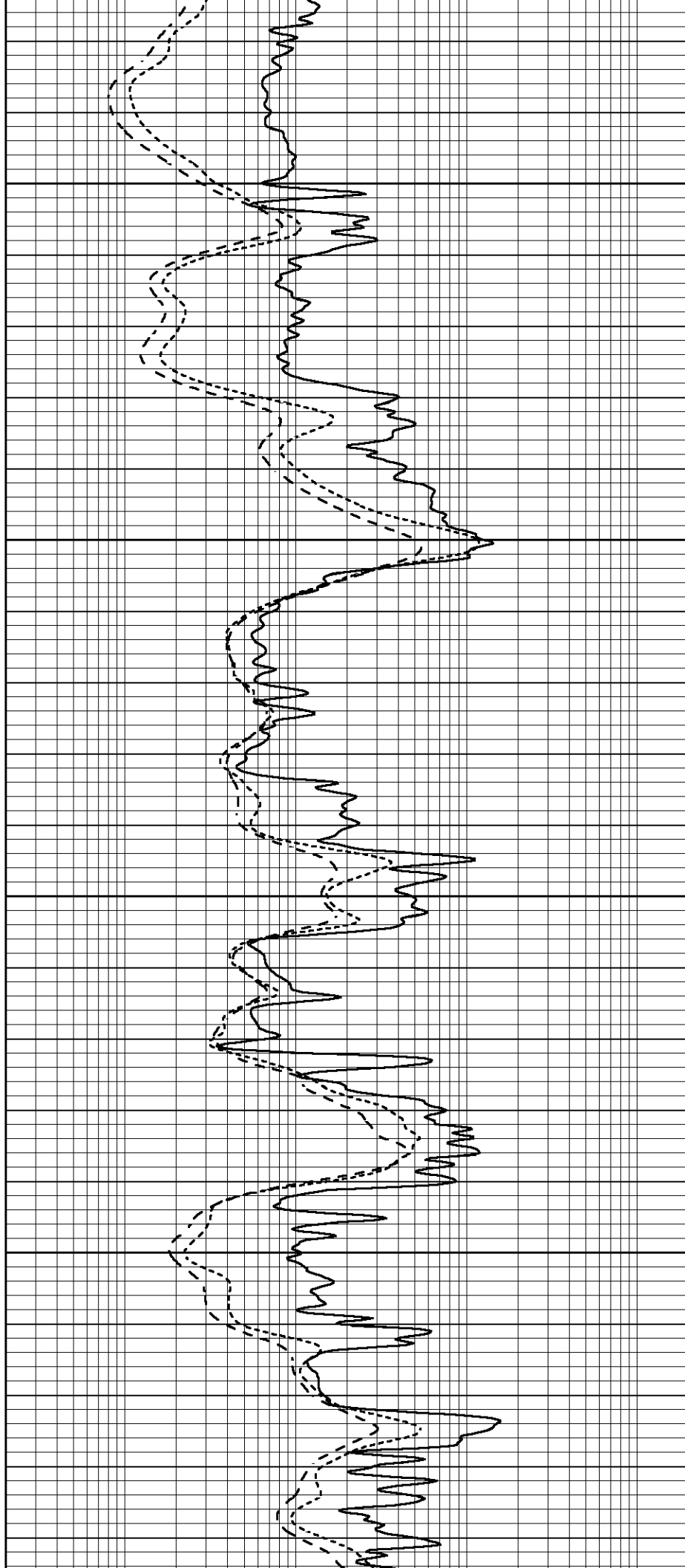


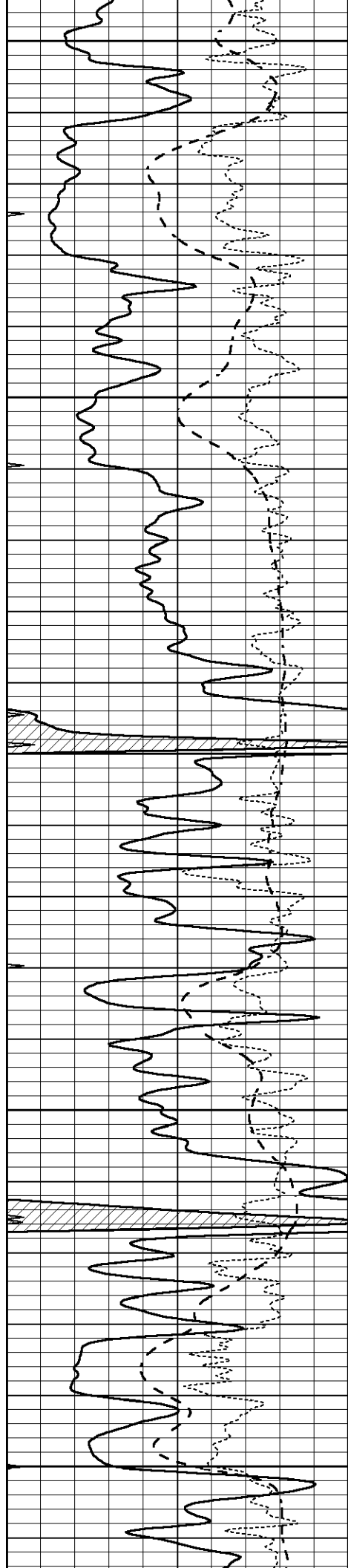
5000

5050

5100

5150





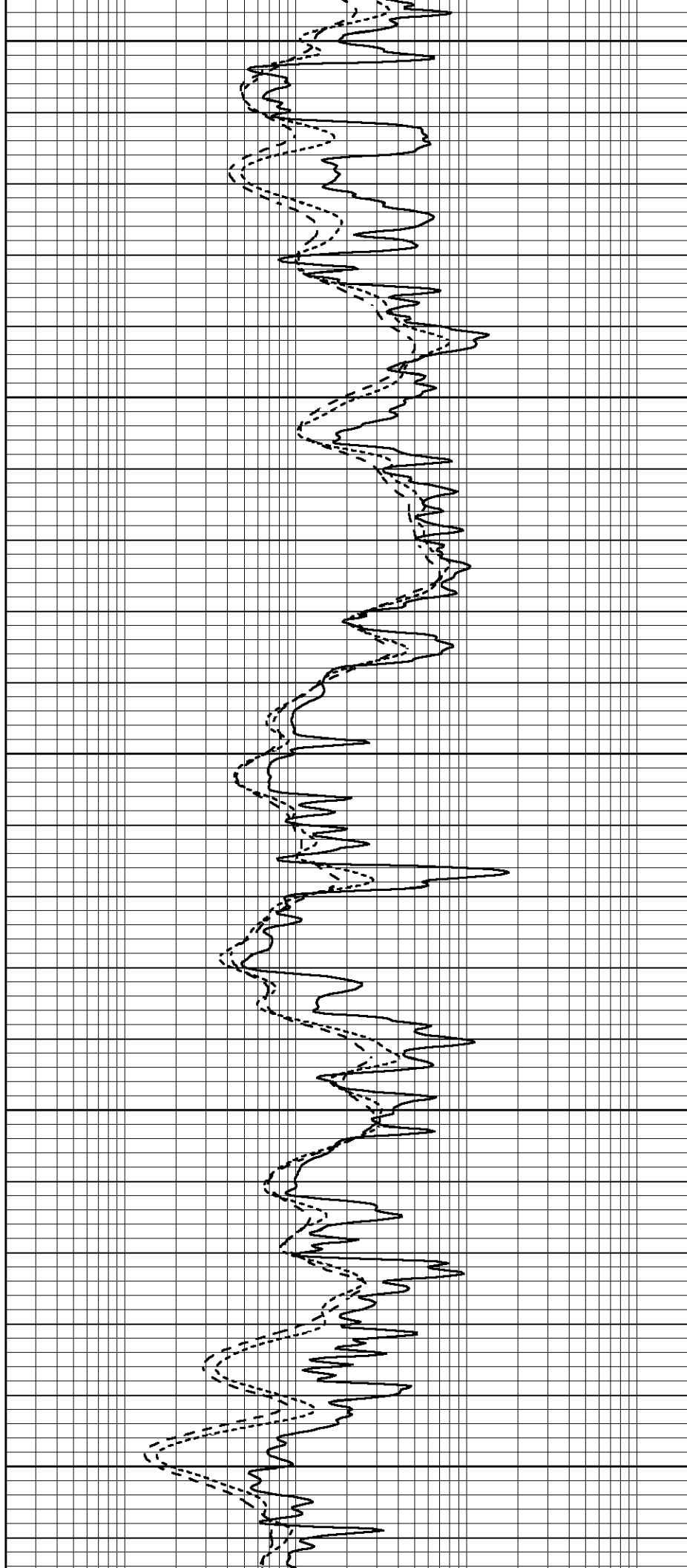
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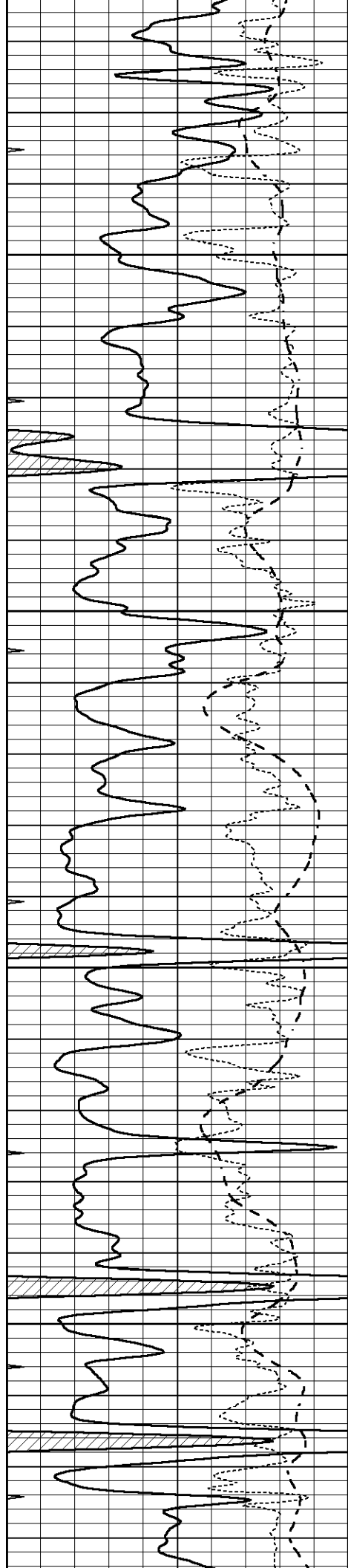
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5400



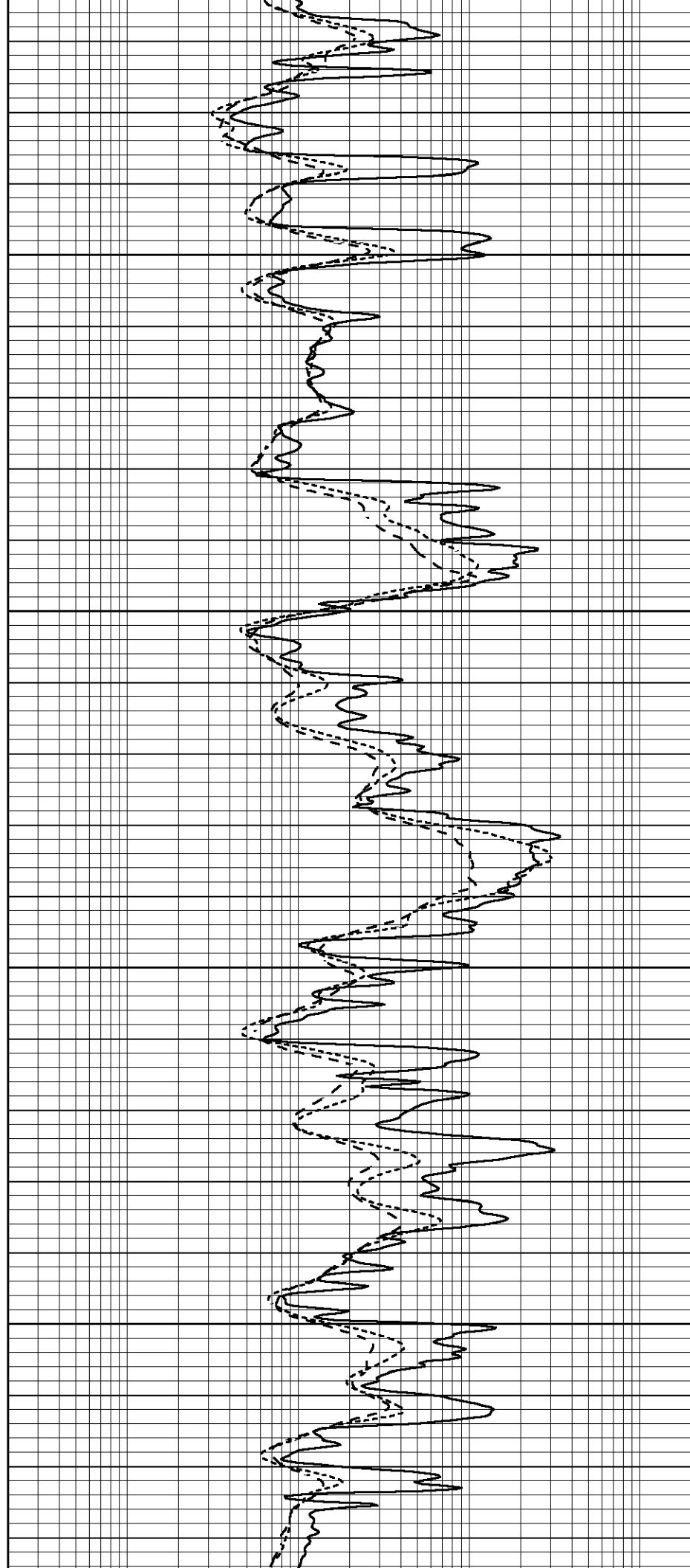


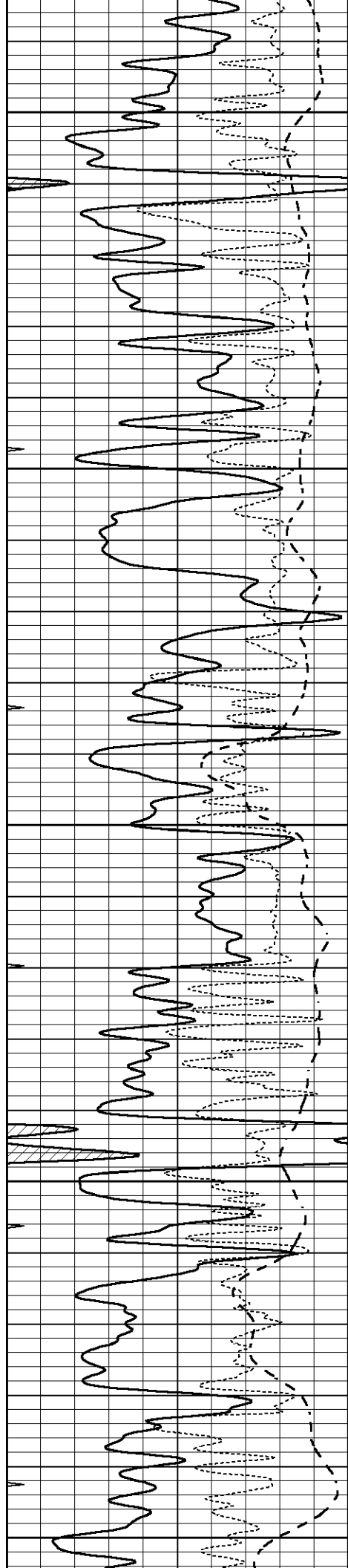
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5600





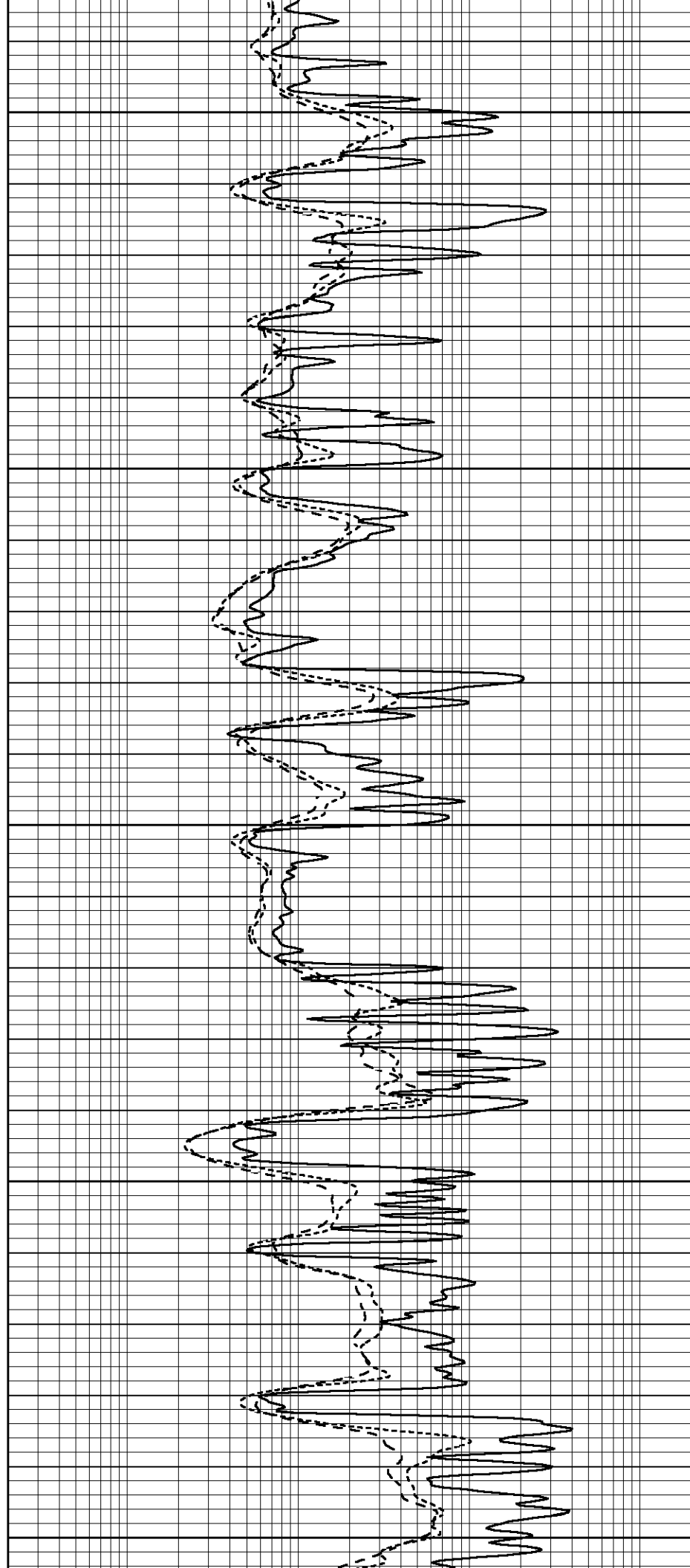
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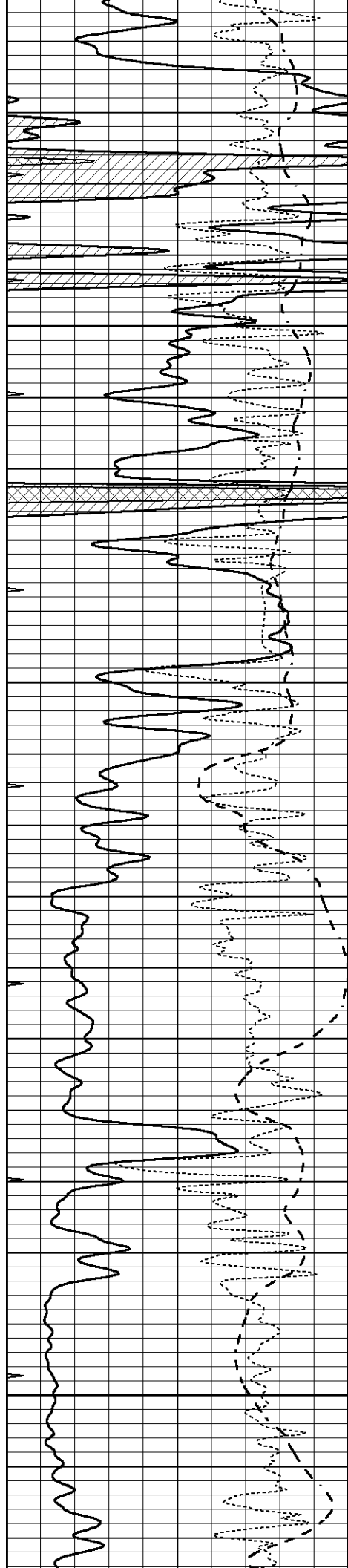
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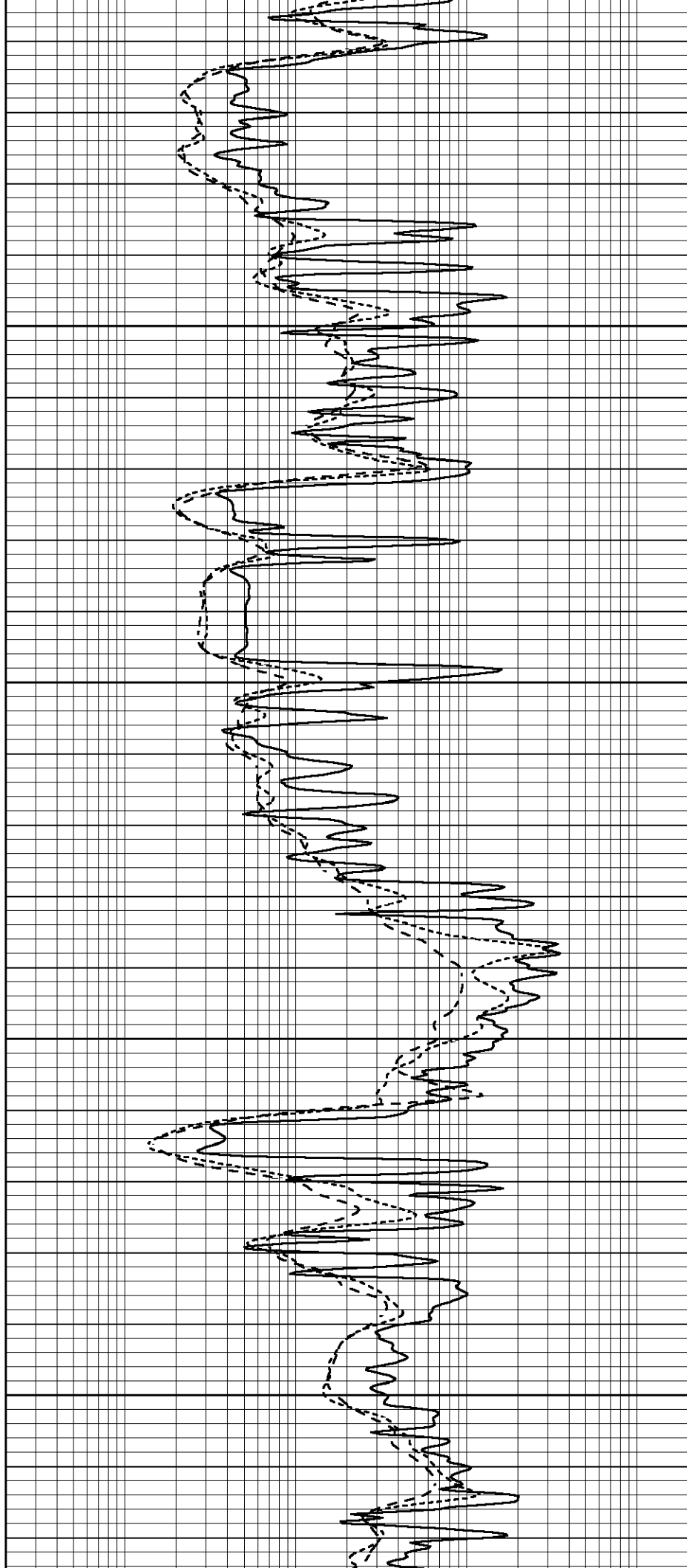


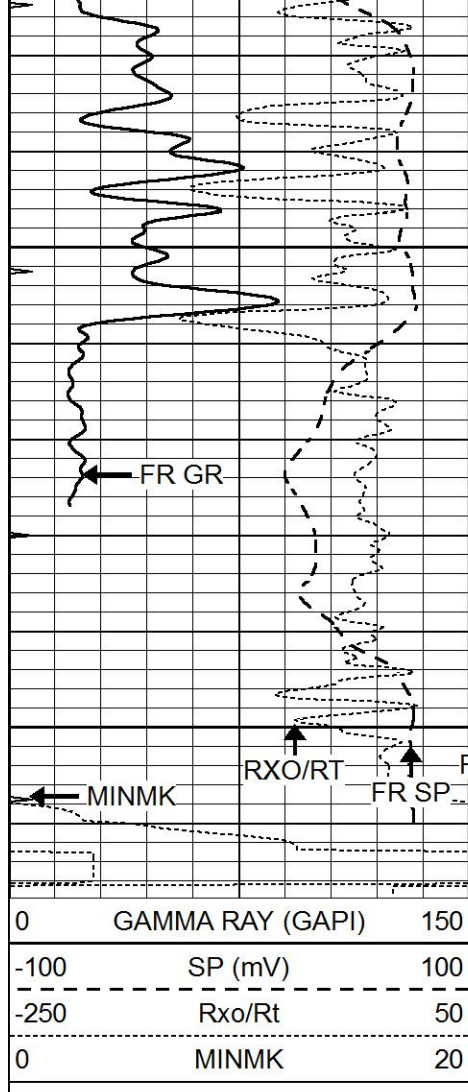
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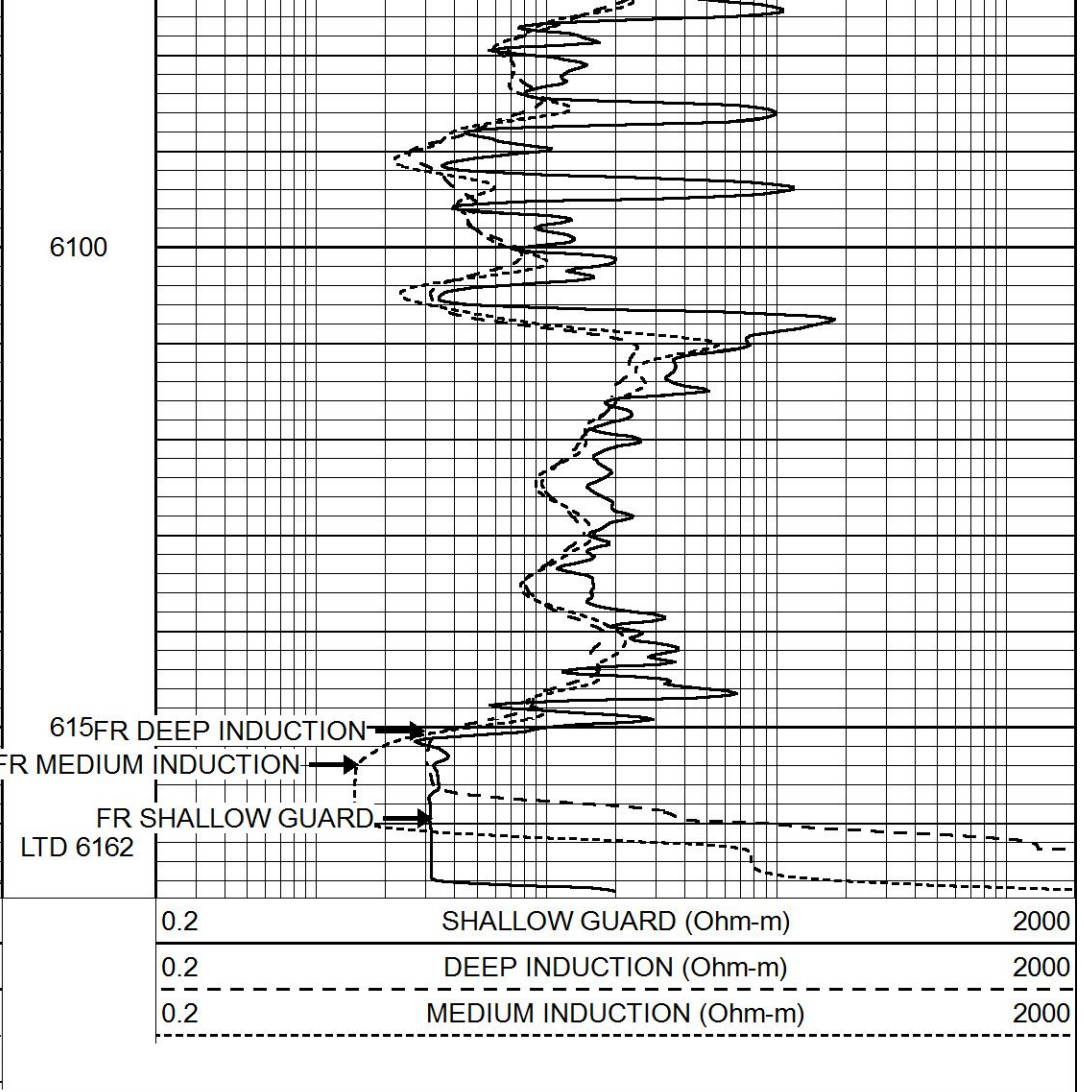
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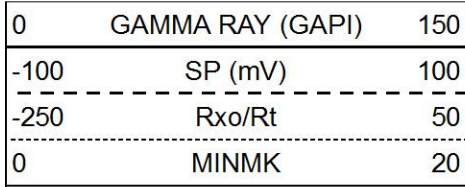


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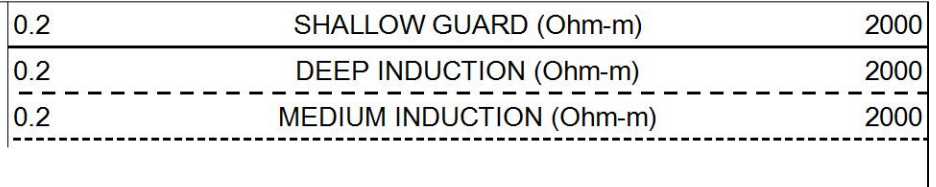


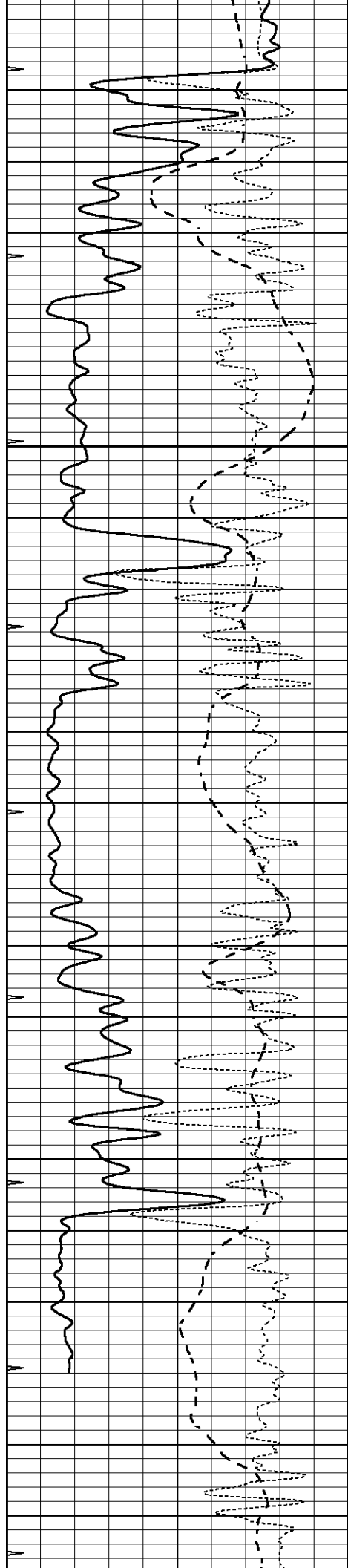
REPEAT SECTION

Database File 7087pe.db
 Dataset Pathname pass2.1R
 Presentation Format _dil
 Dataset Creation Mon Oct 03 11:06:52 2022
 Charted by Depth in Feet scaled 1:240



5900





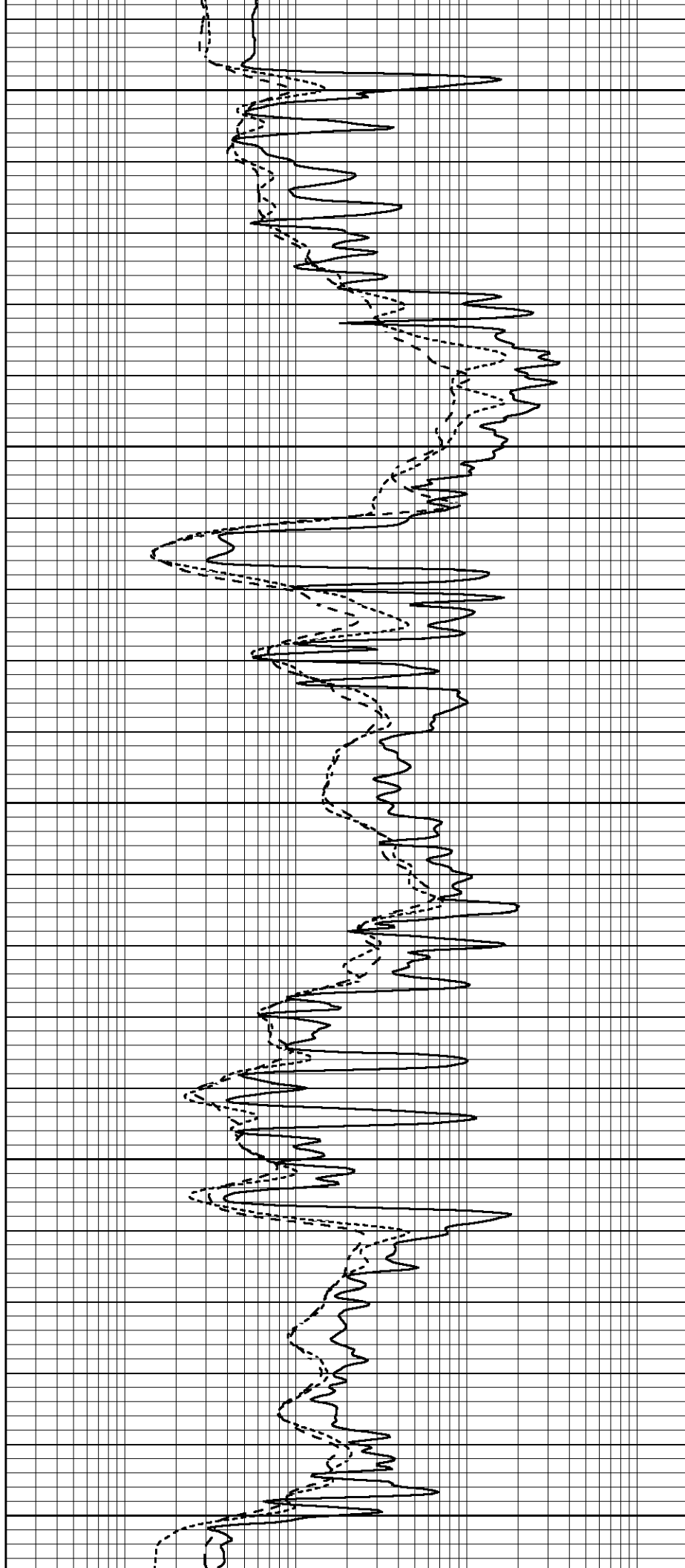
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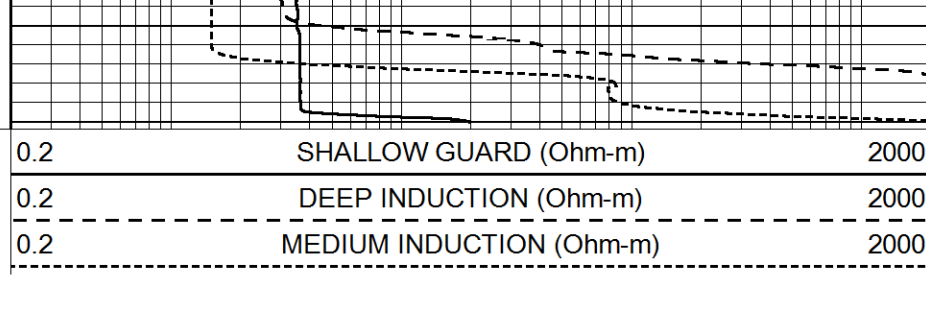
6000

6050

6100

6150





Database File		7087pe.db		Calibration Report					
Dataset Pathname		pass3.1M							
Dataset Creation		Mon Oct 03 12:15:30 2022							
Dual Induction Calibration Report									
Serial-Model:				PROBE8-DILG					
Surface Cal Performed:				Mon Oct 03 11:04:16 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	620.000	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 2	1000.1	5201.0	2700.1	2700.1	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	

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Compensated Neutron Calibration Report					
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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					
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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