



DUAL INDUCTION LOG

Company		PLATEAU OPERATING CORPORATION	
Well	DURLER #2-21		
Field	N/A		
County	HAMILTON		
State	KANSAS		
Location:	API # : 15-075-20903-0000		Other Services CDL/CNL ML
	1320' FNL & 1320' FEL		
SEC 21 TWP 25S RGE 40W		Elevation	
Permanent Datum	GROUND LEVEL Elevation		3399
Log Measured From	KELLY BUSHING 3' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Date	08/12/21		
Run Number	ONE		
Depth Driller	5000		
Depth Logger	4994		
Bottom Logged Interval	4992		
Top Log Interval	00		
Casing Driller	8 5/8" @ 1165		
Casing Logger	1165		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.4/48		
pH / Fluid Loss	9.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.7 @ 70F		
Rmf @ Meas. Temp	.53 @ 70F		
Rmc @ Meas. Temp	.84 @ 70F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.39 @ 125F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	125F		
Equipment Number	1523		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	BILL KERRIGAN		

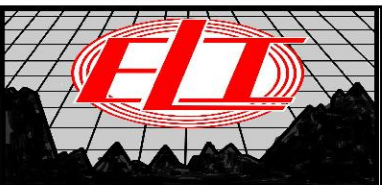
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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 ELI WIRELINE, HAYS, KS. (785) 628-6395

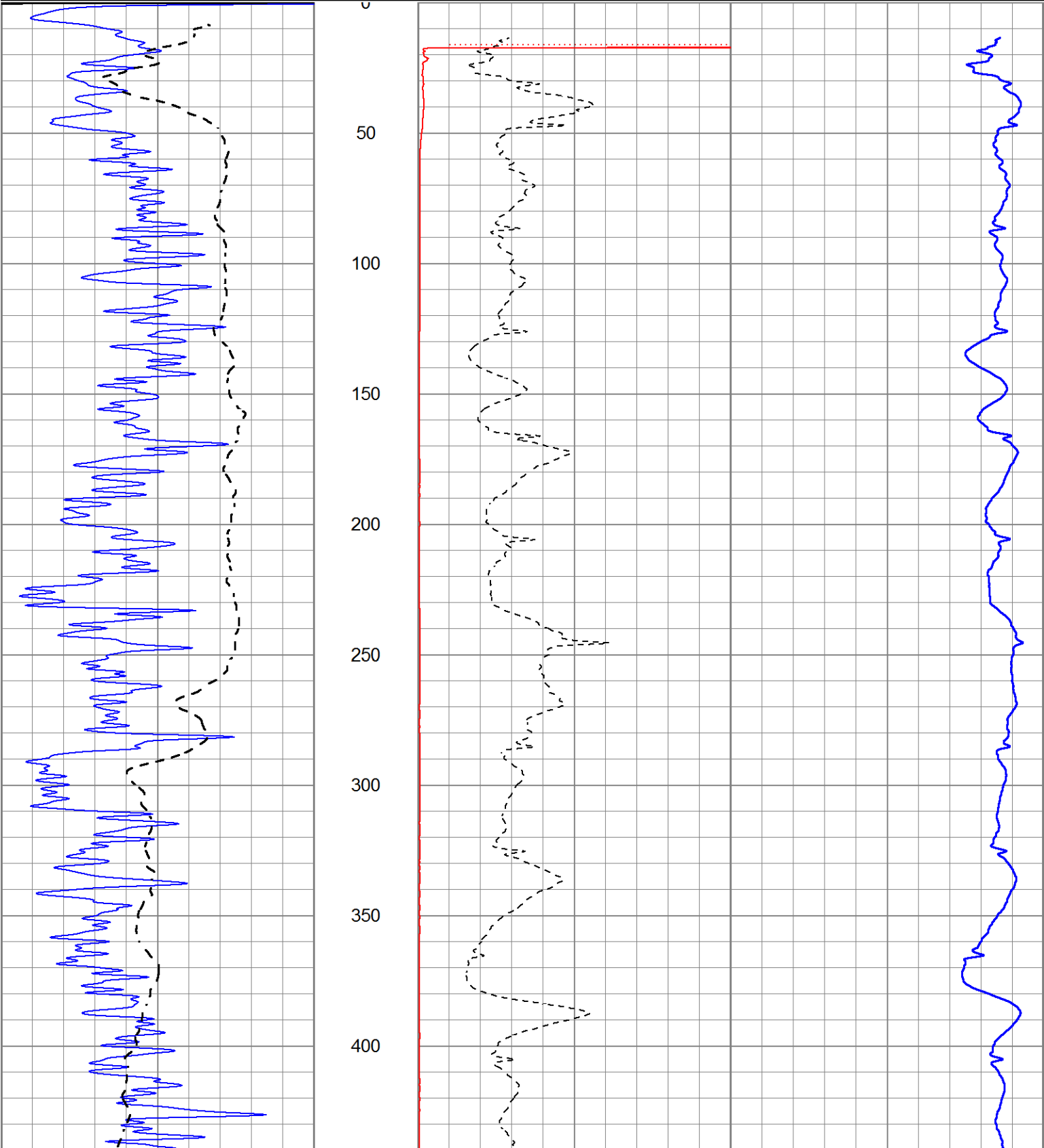
DIRECTIONS: SYRACUSE SOUTH TO RD 29, 2.5 EAST TO RD R.
NORTH INTO.

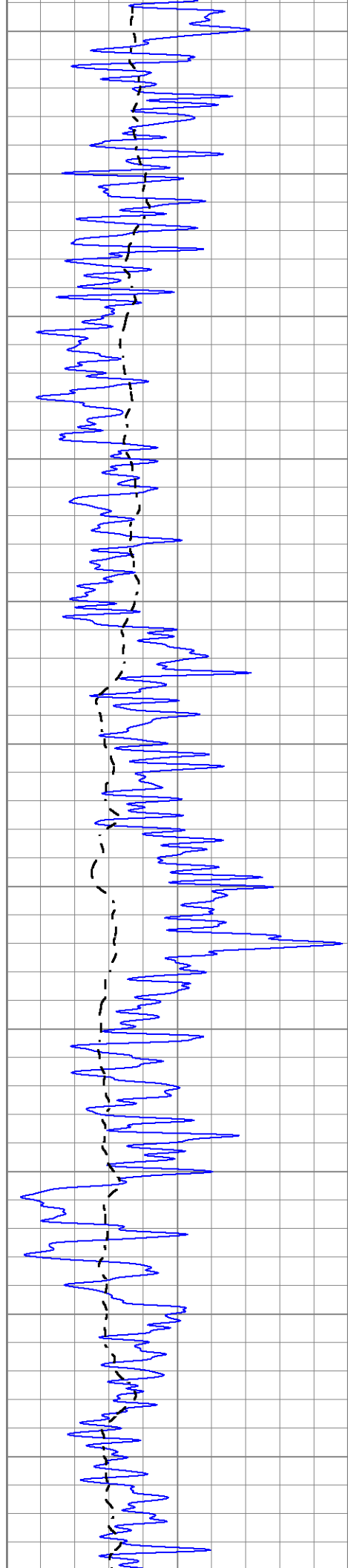


MAIN PASS

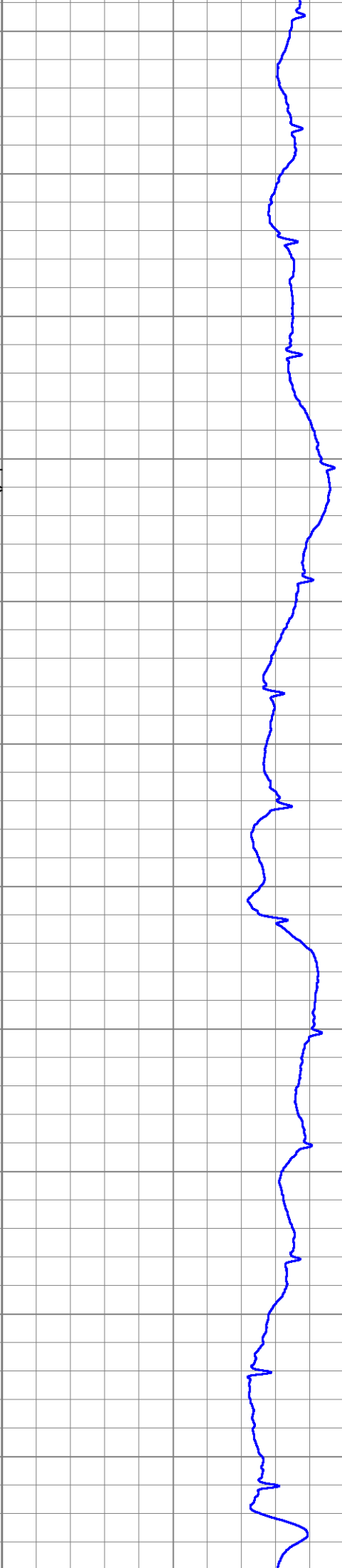
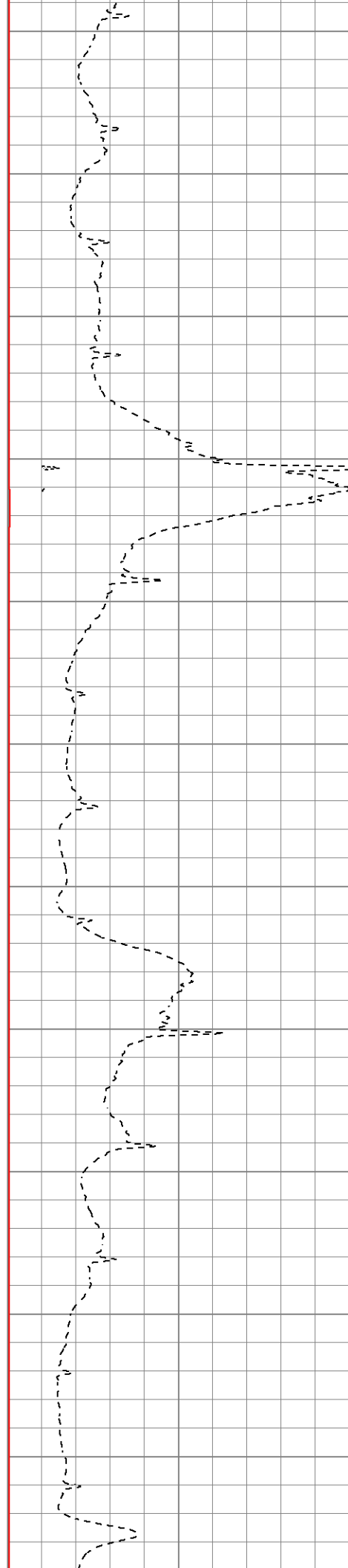
Database File	5613pe.db
Dataset Pathname	pass3.1
Presentation Format	_dil2
Dataset Creation	Thu Aug 12 15:31:41 2021
Charted by	Depth in Feet scaled 1:600

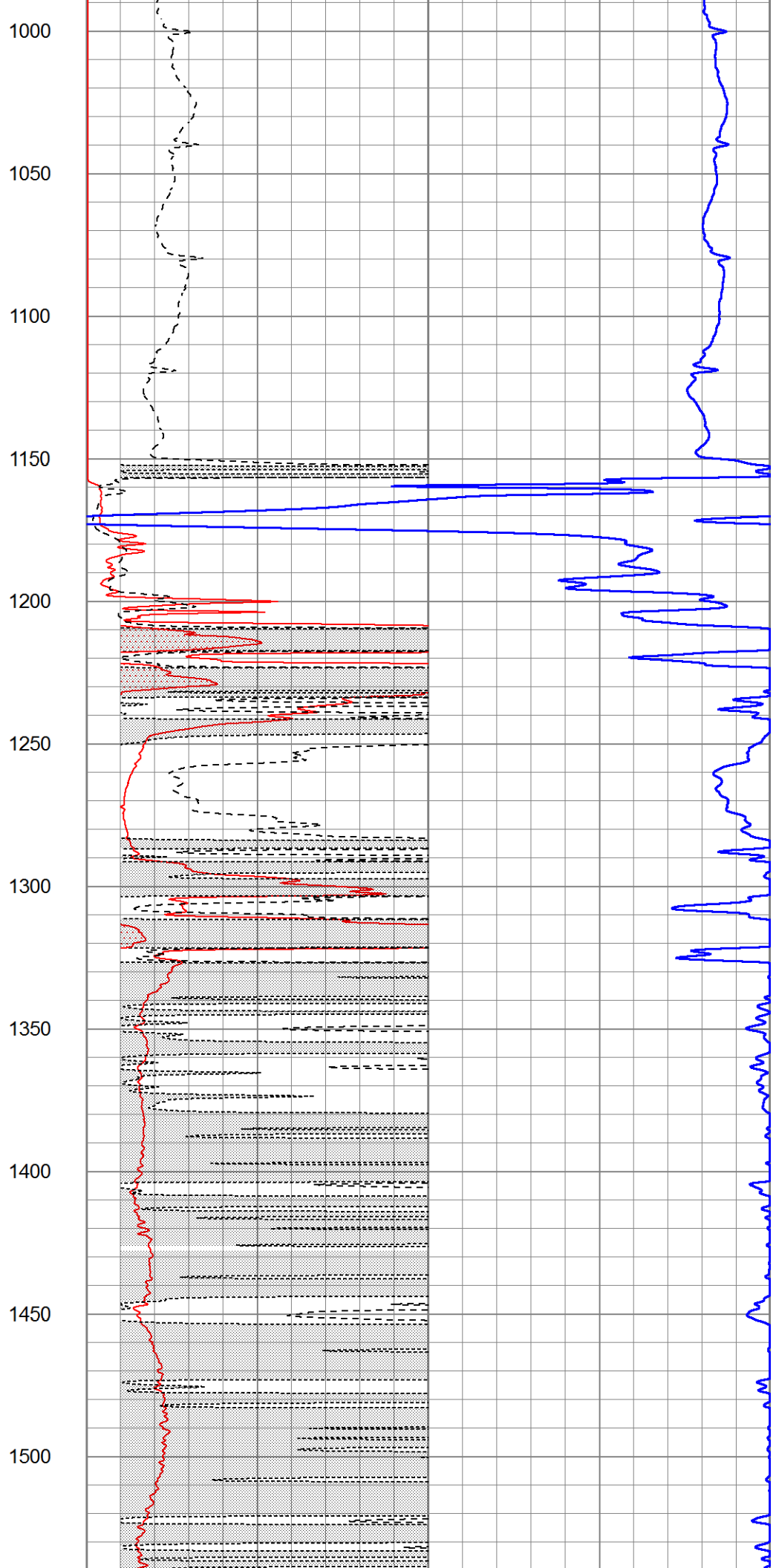
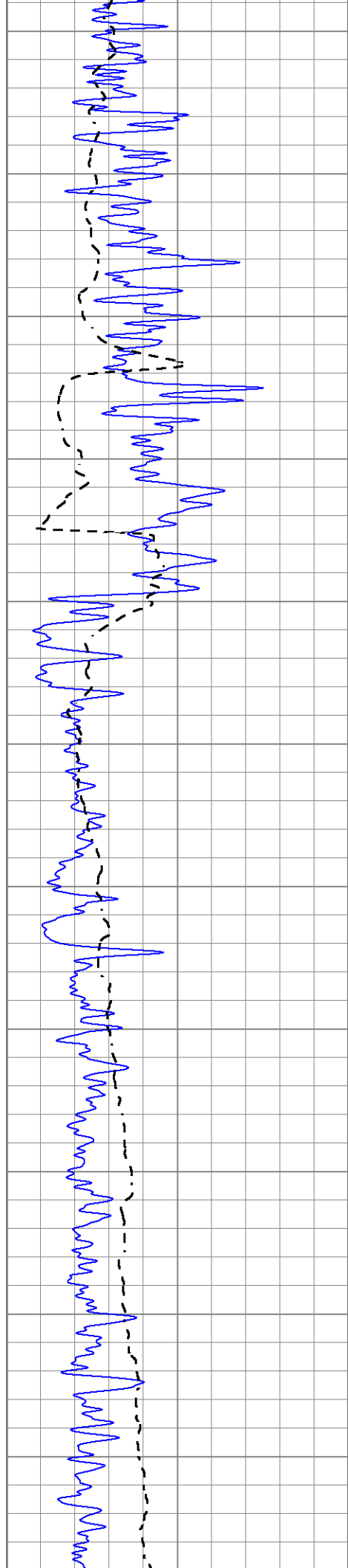
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-100	SP (mV)	100	0	RLL3 (Ohm-m)	50
-----			0	RILD (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500

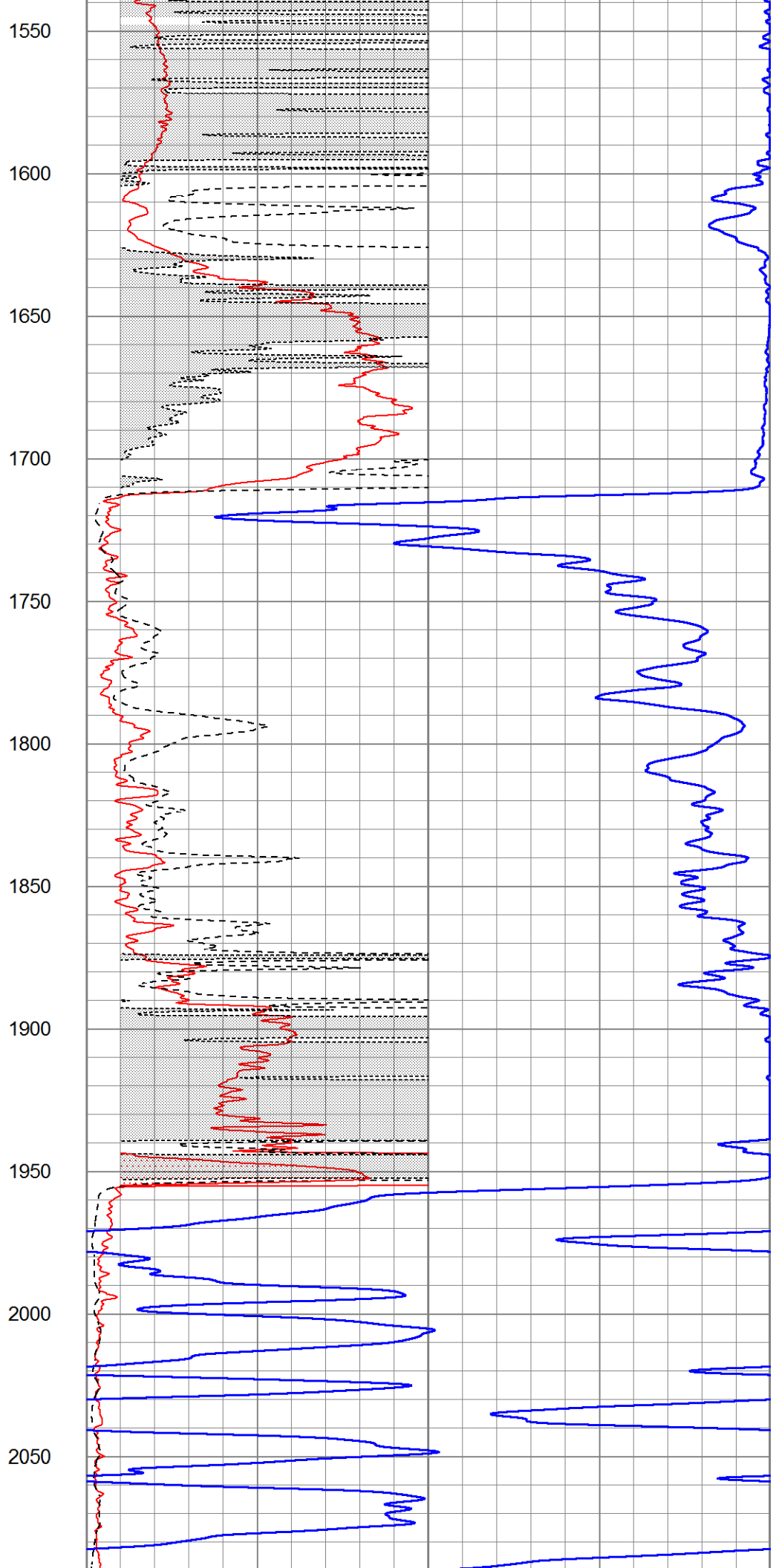
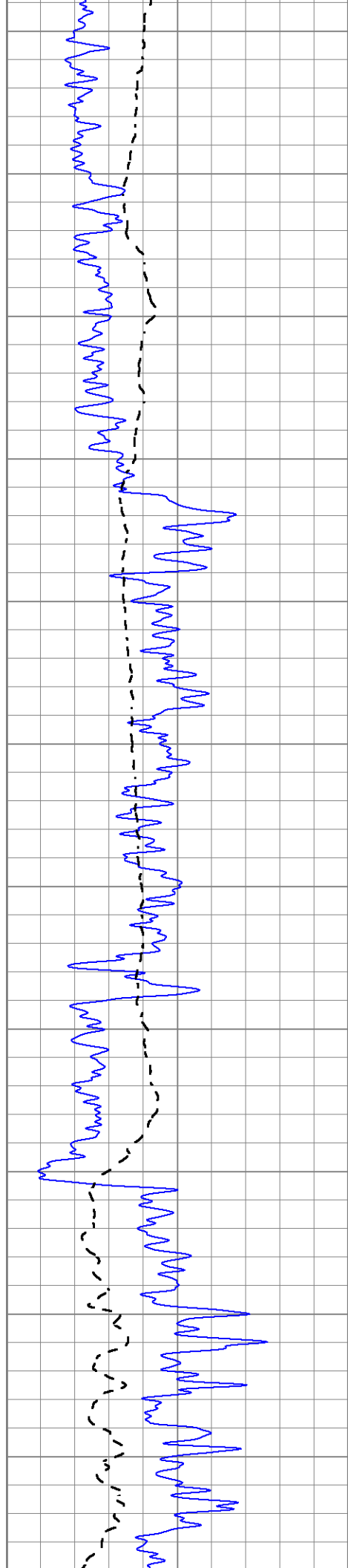




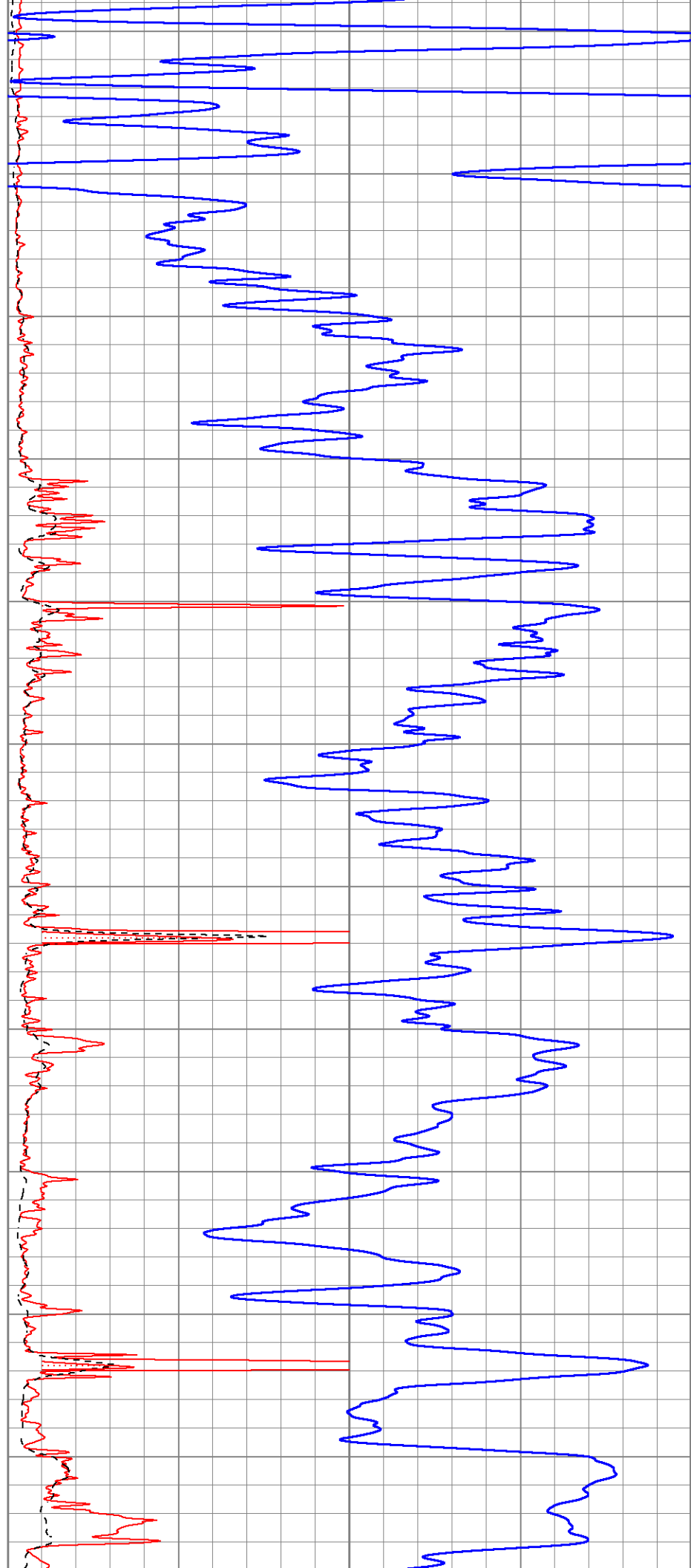
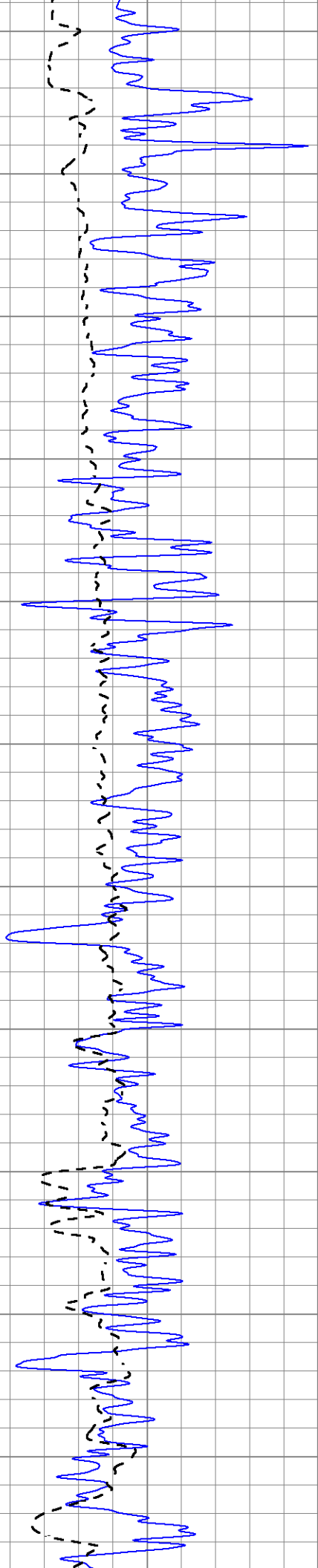
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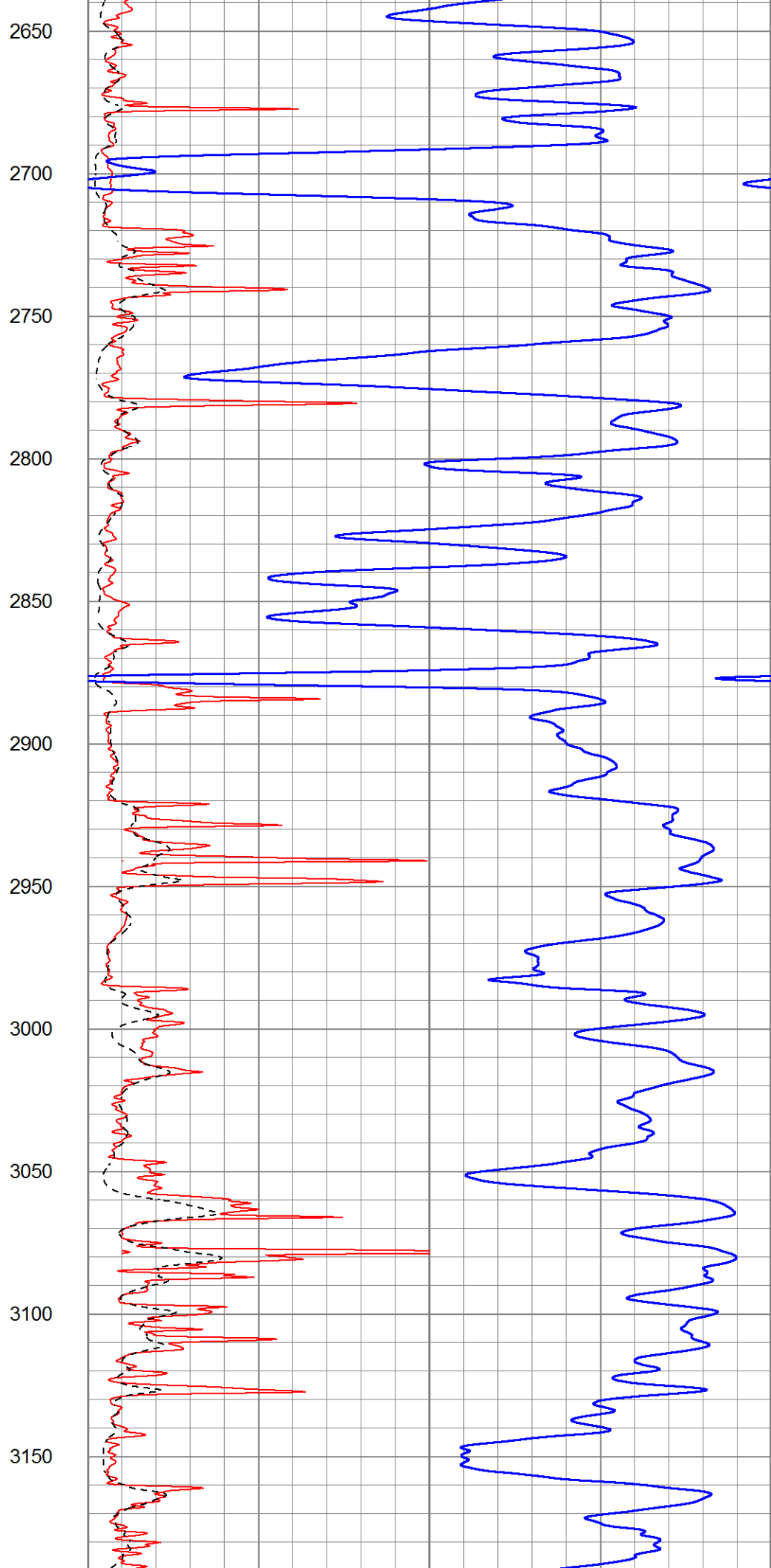
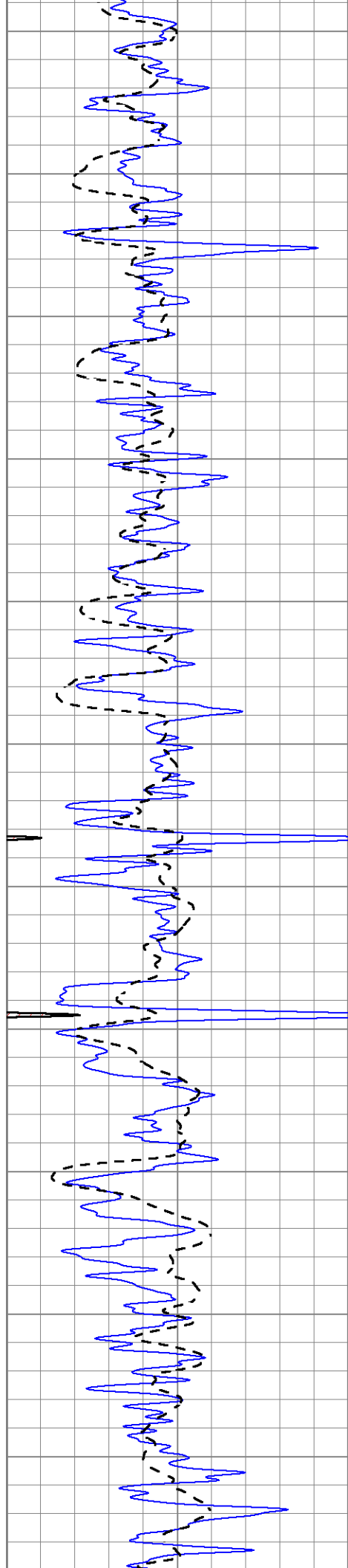


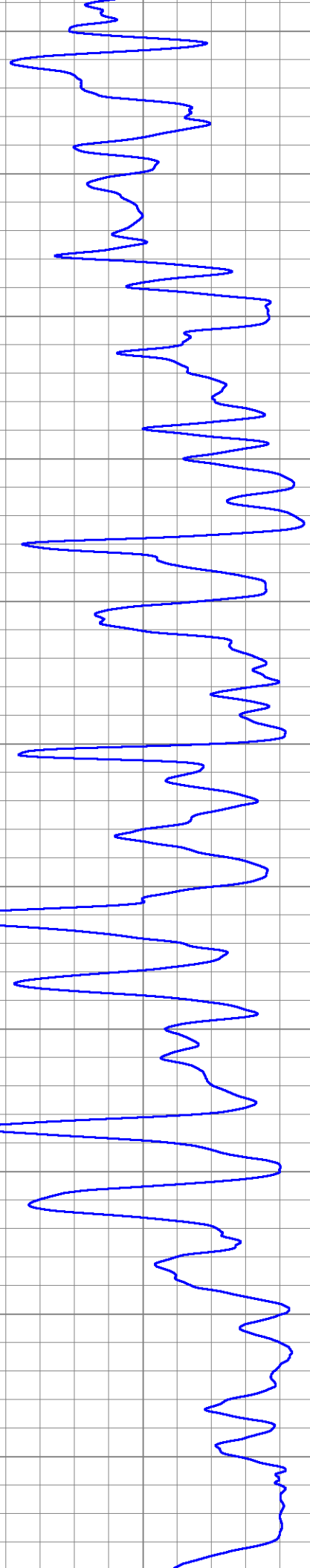
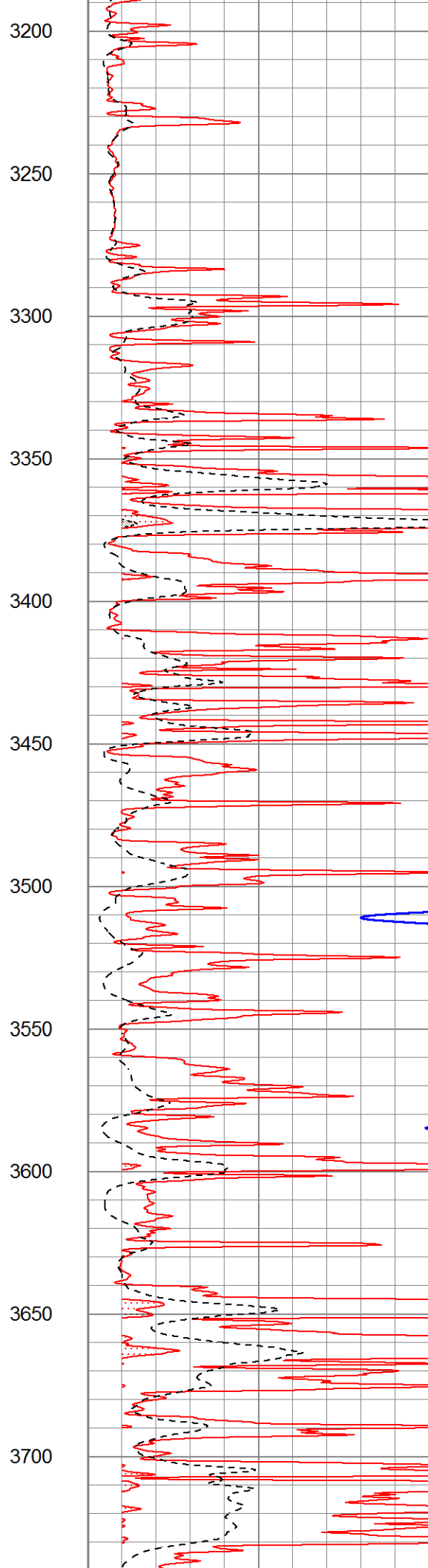
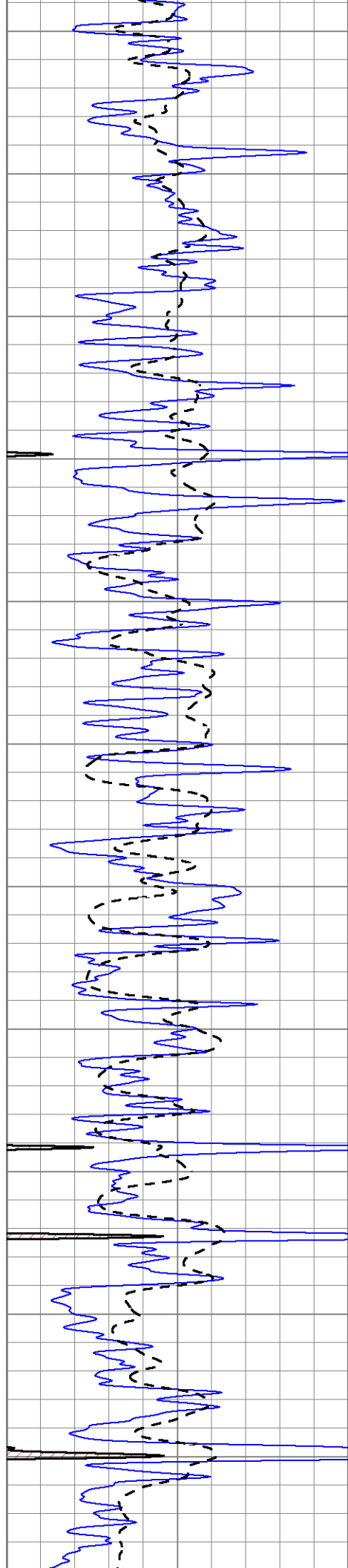


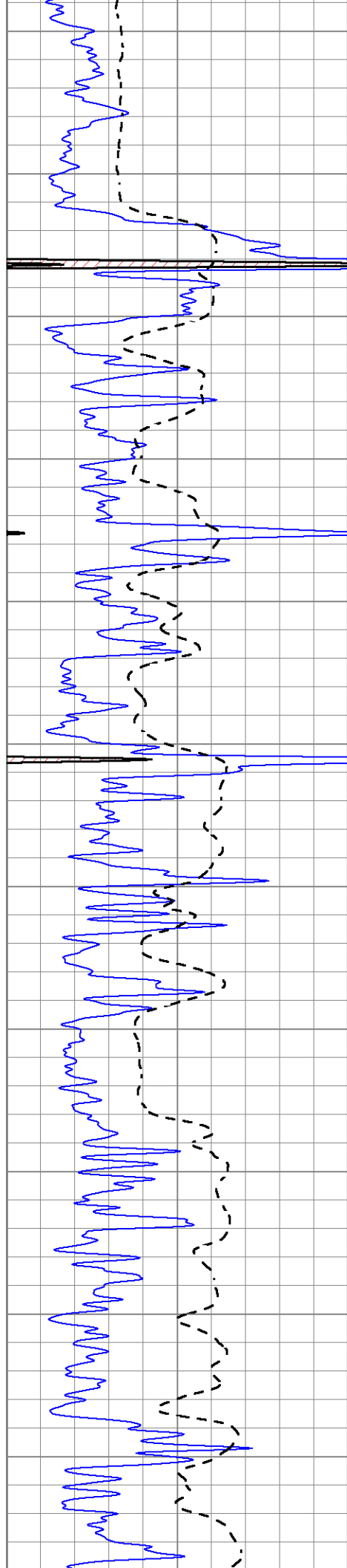


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2150
2200
2250
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2600









3750

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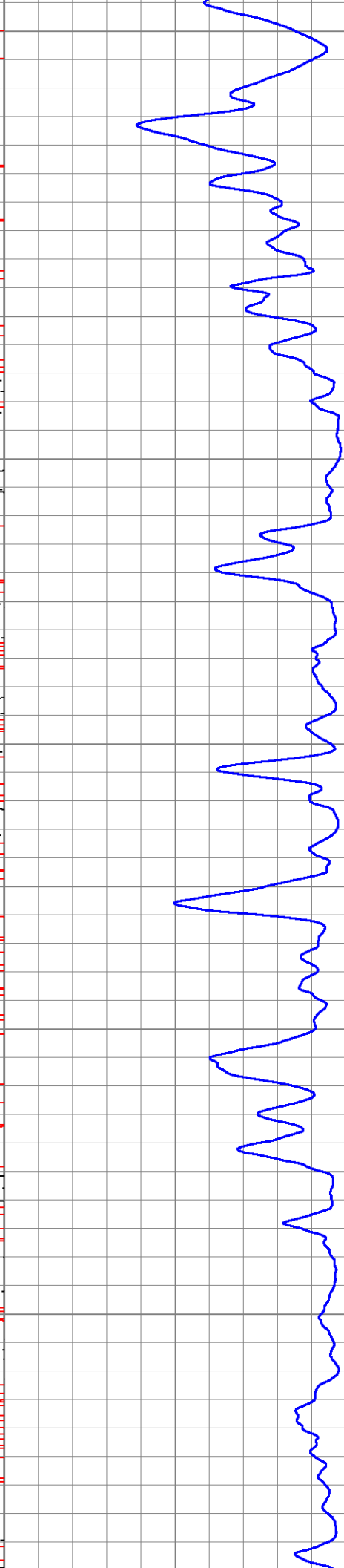
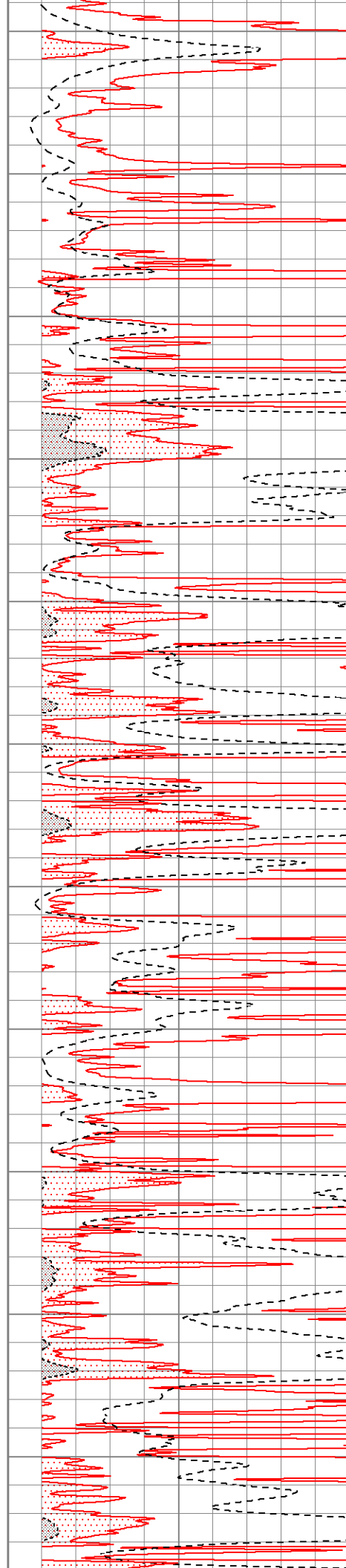
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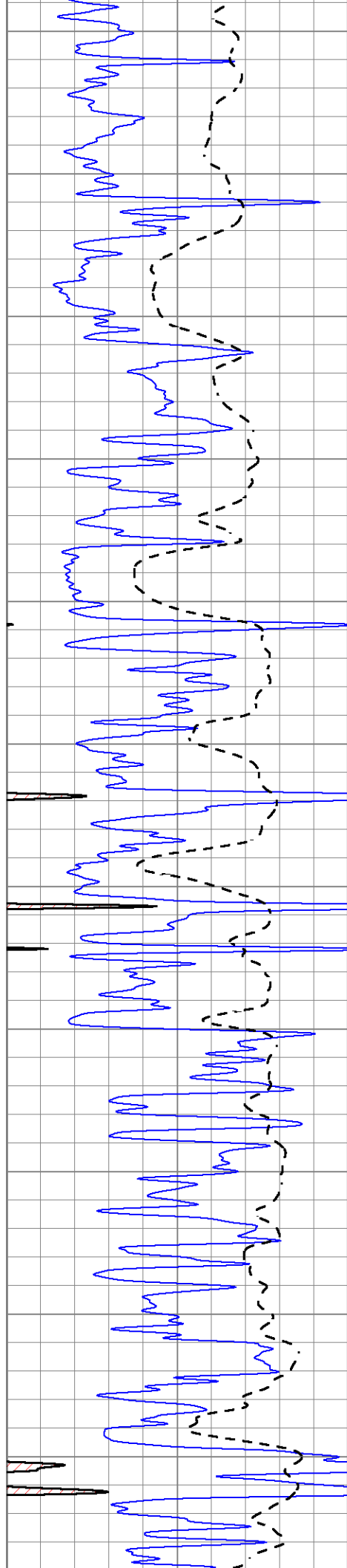
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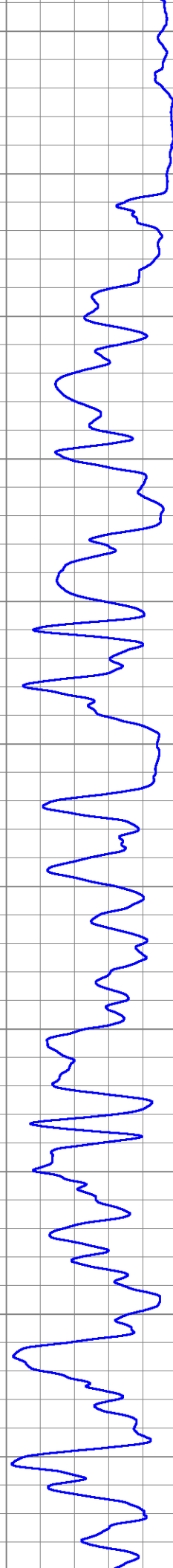
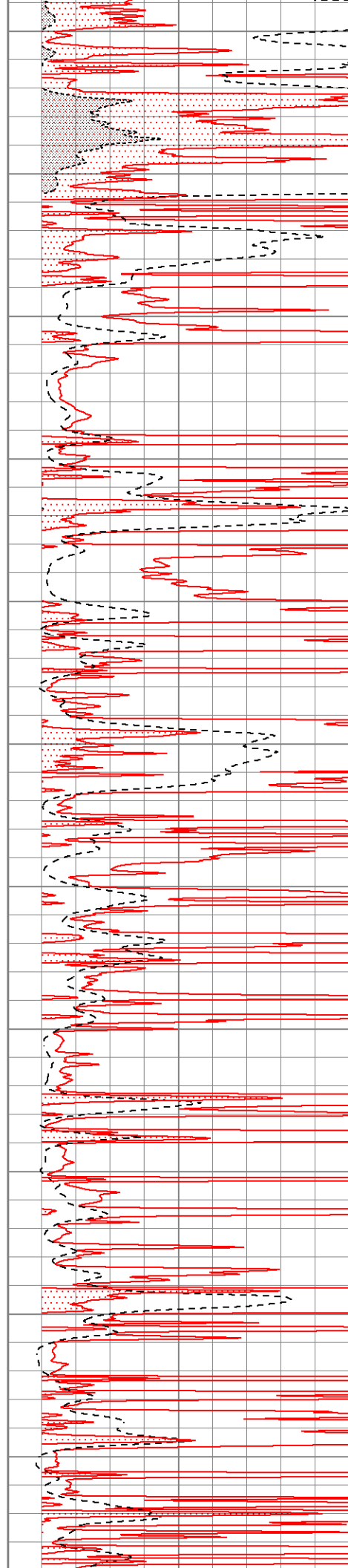
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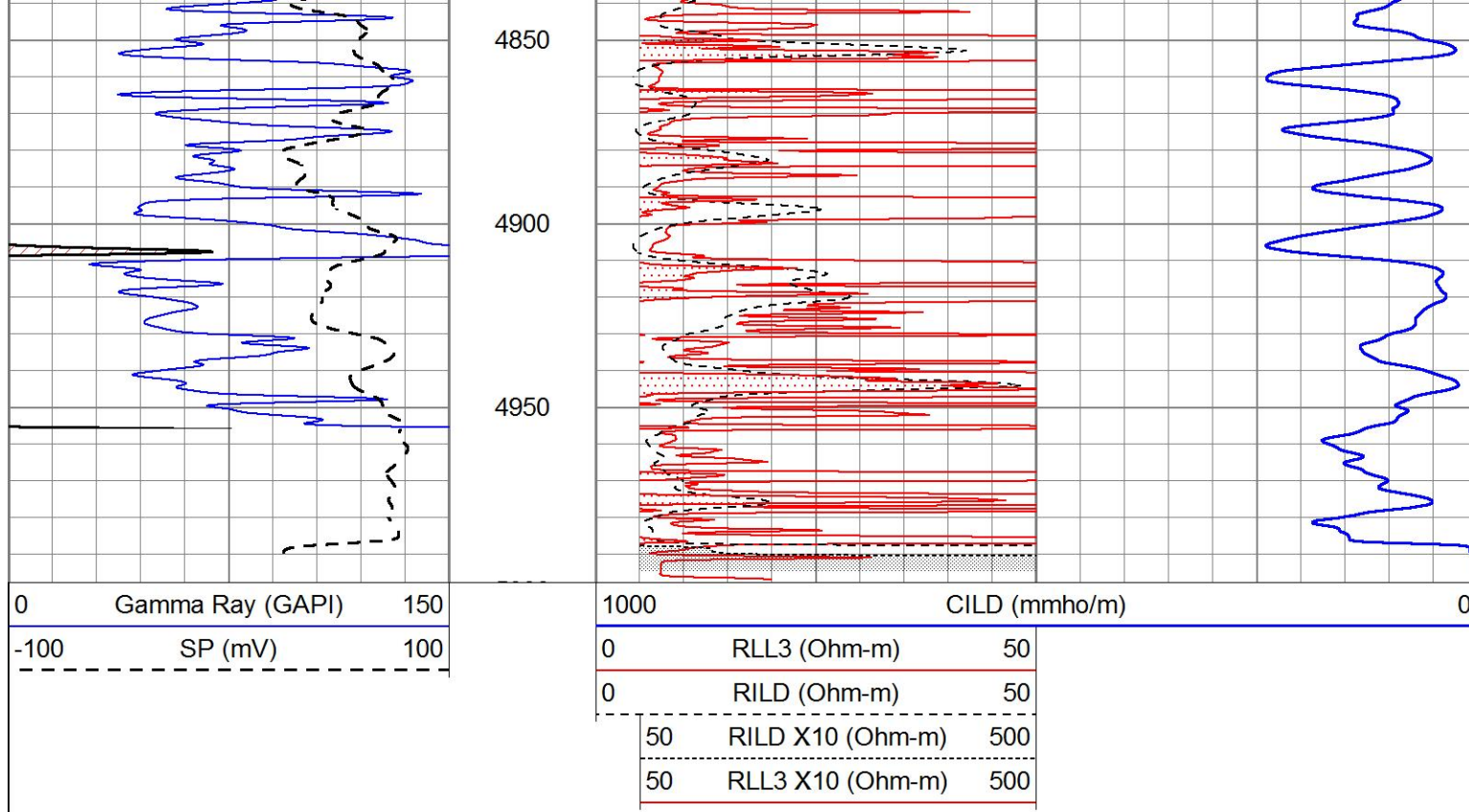
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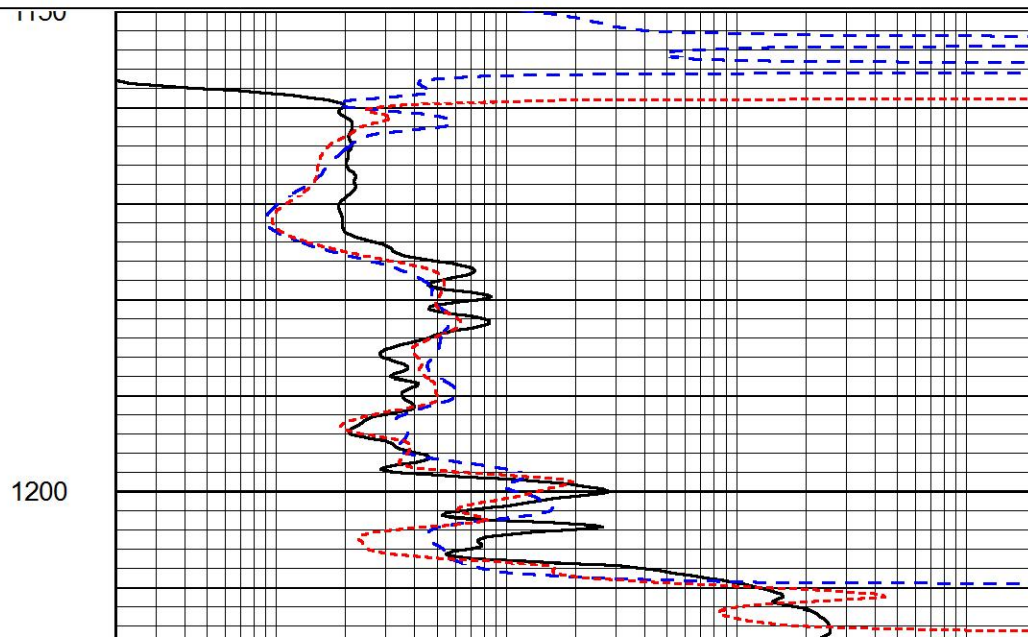
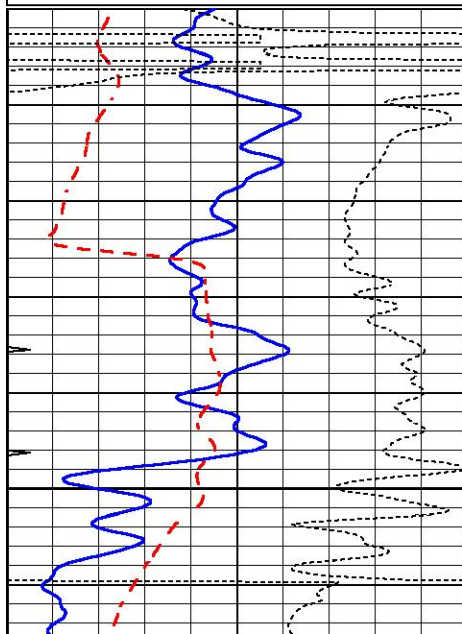


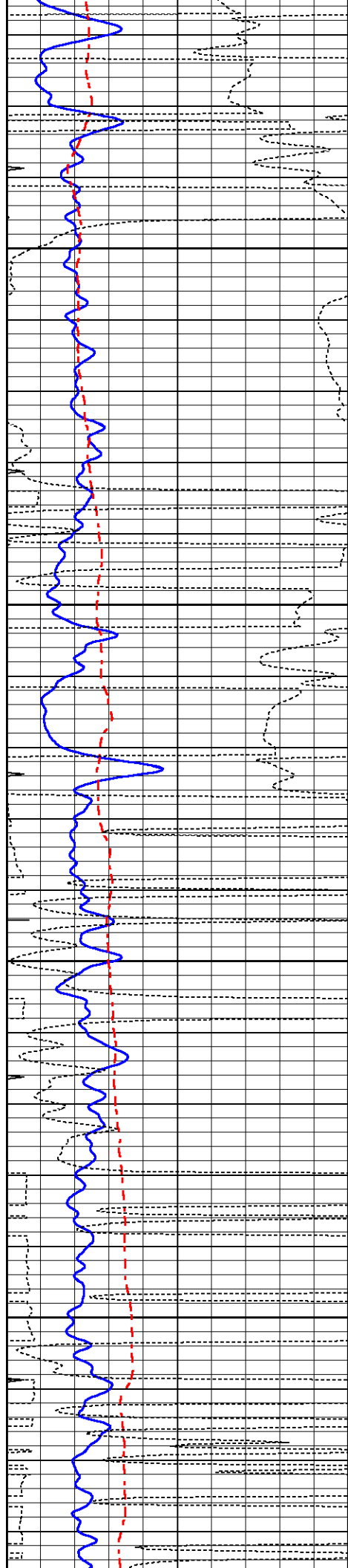


MAIN PASS

Database File 5613pe.db
Dataset Pathname pass3.1
Presentation Format _dil
Dataset Creation Thu Aug 12 15:31:41 2021
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			



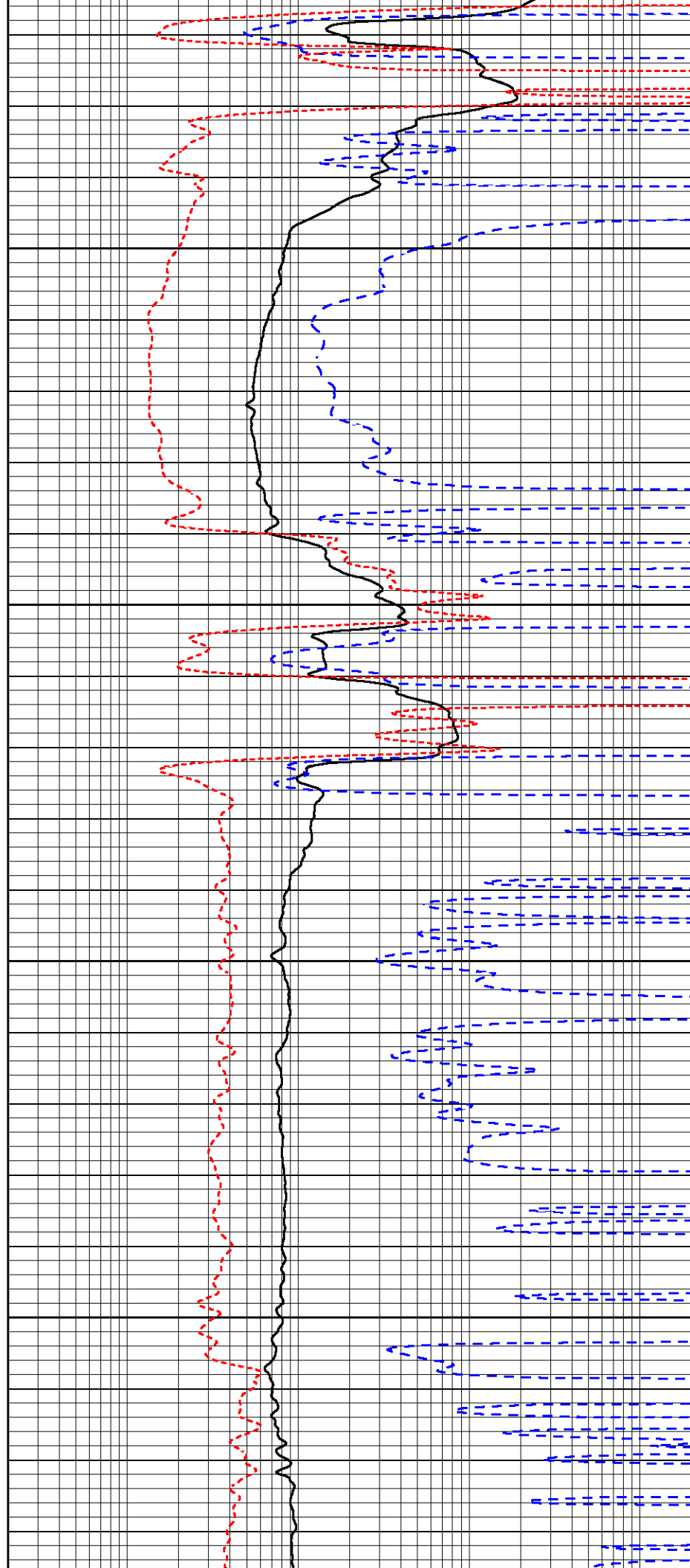


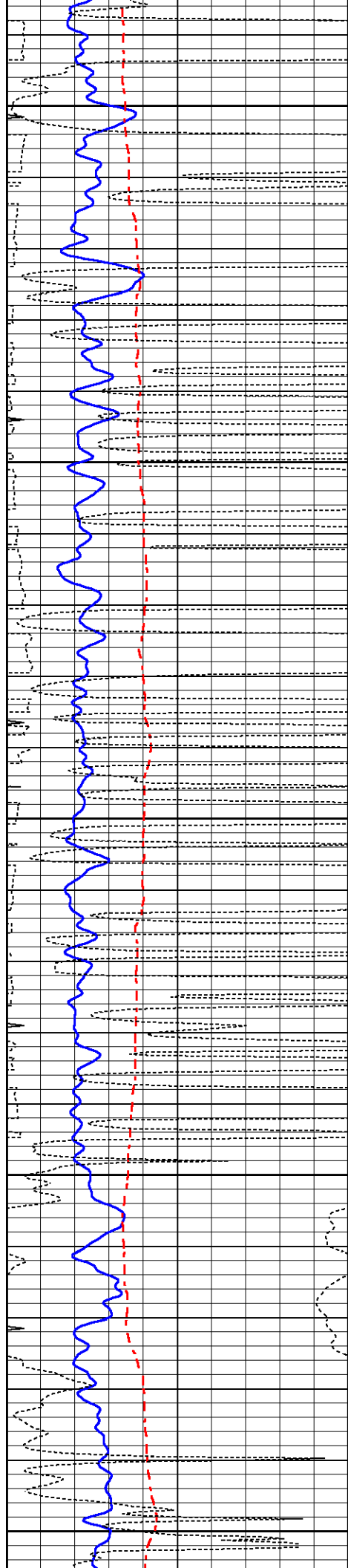
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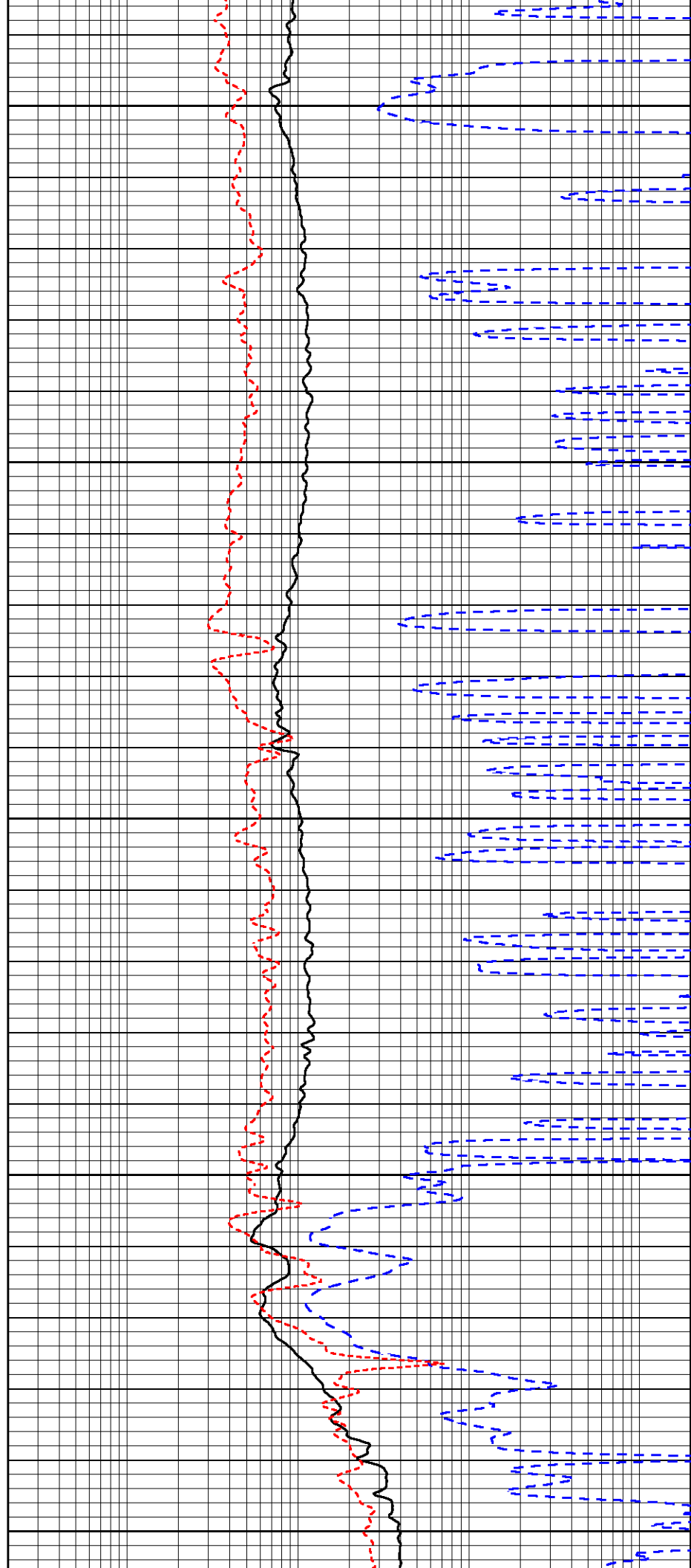
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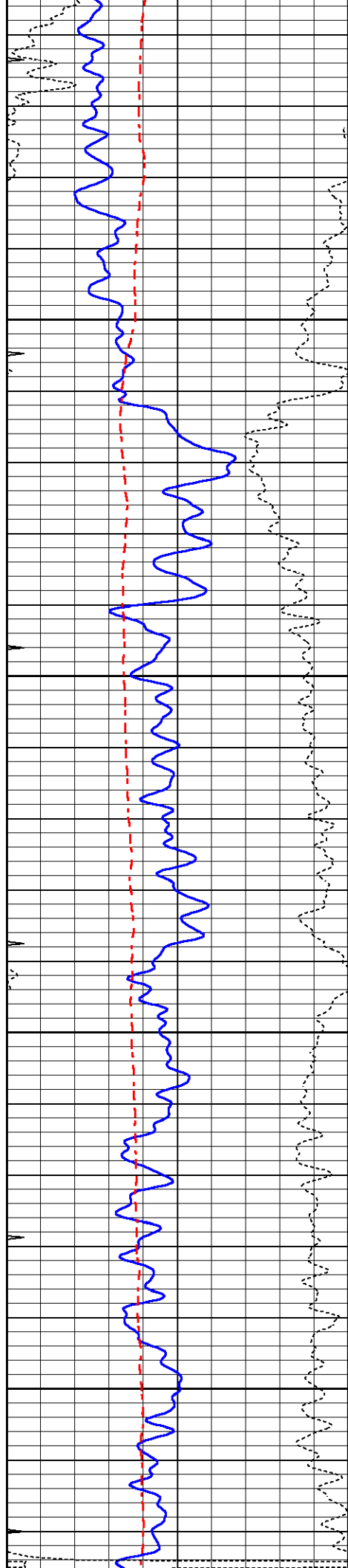
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1600

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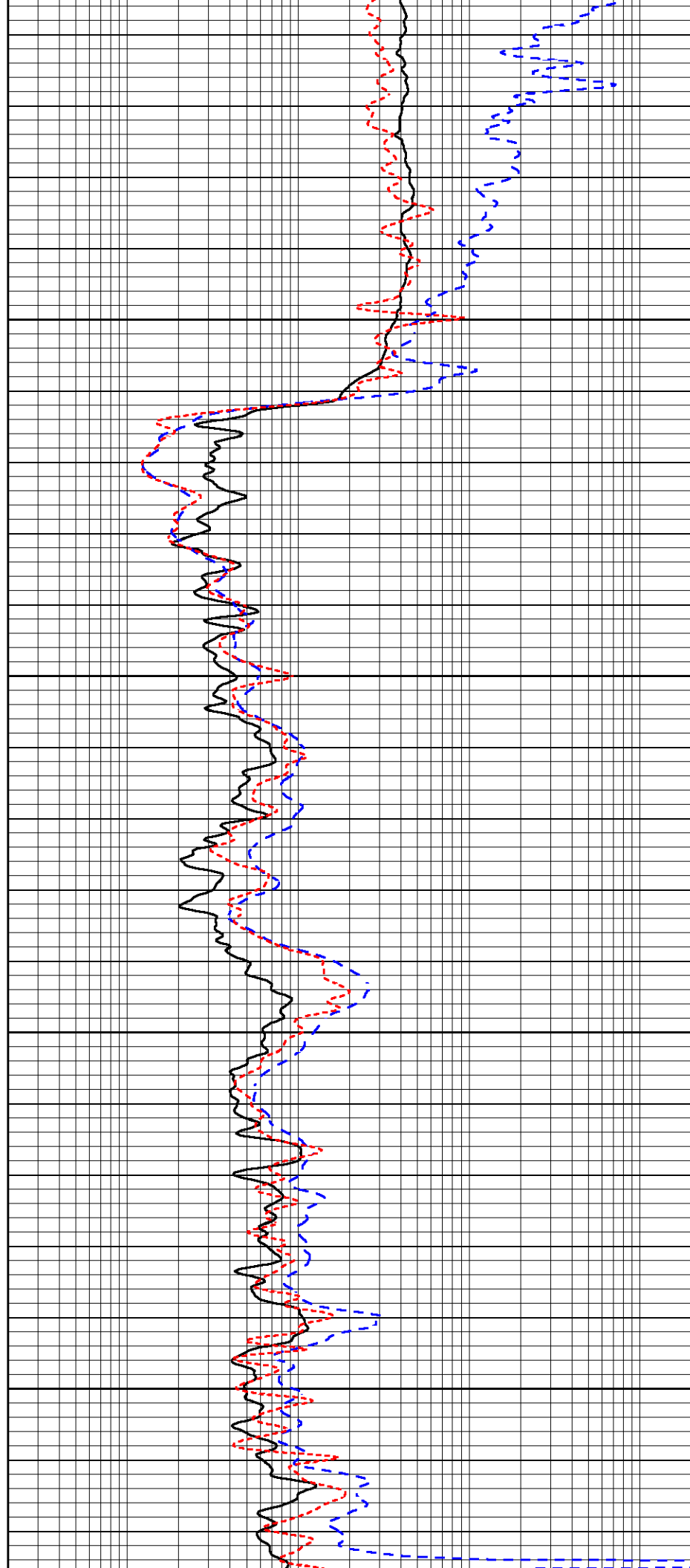


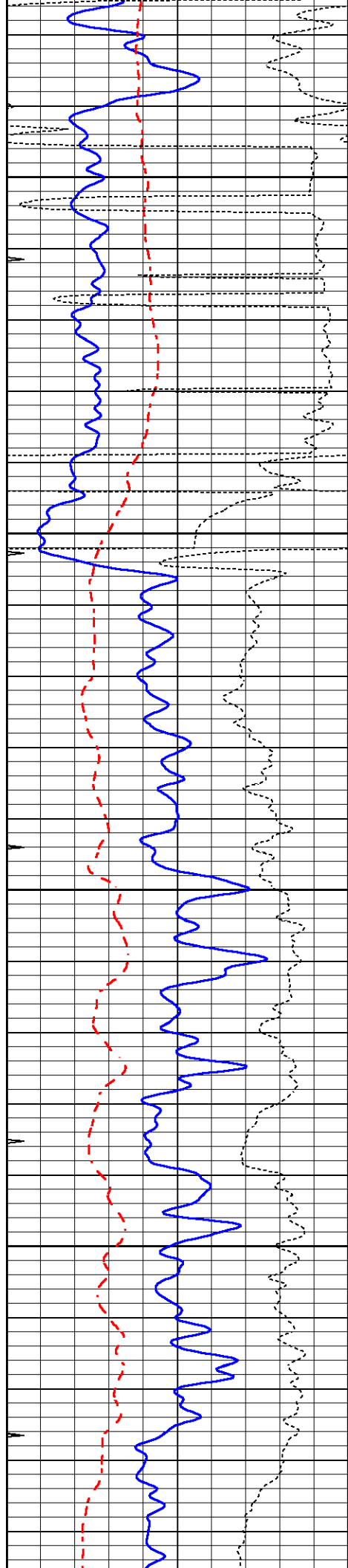
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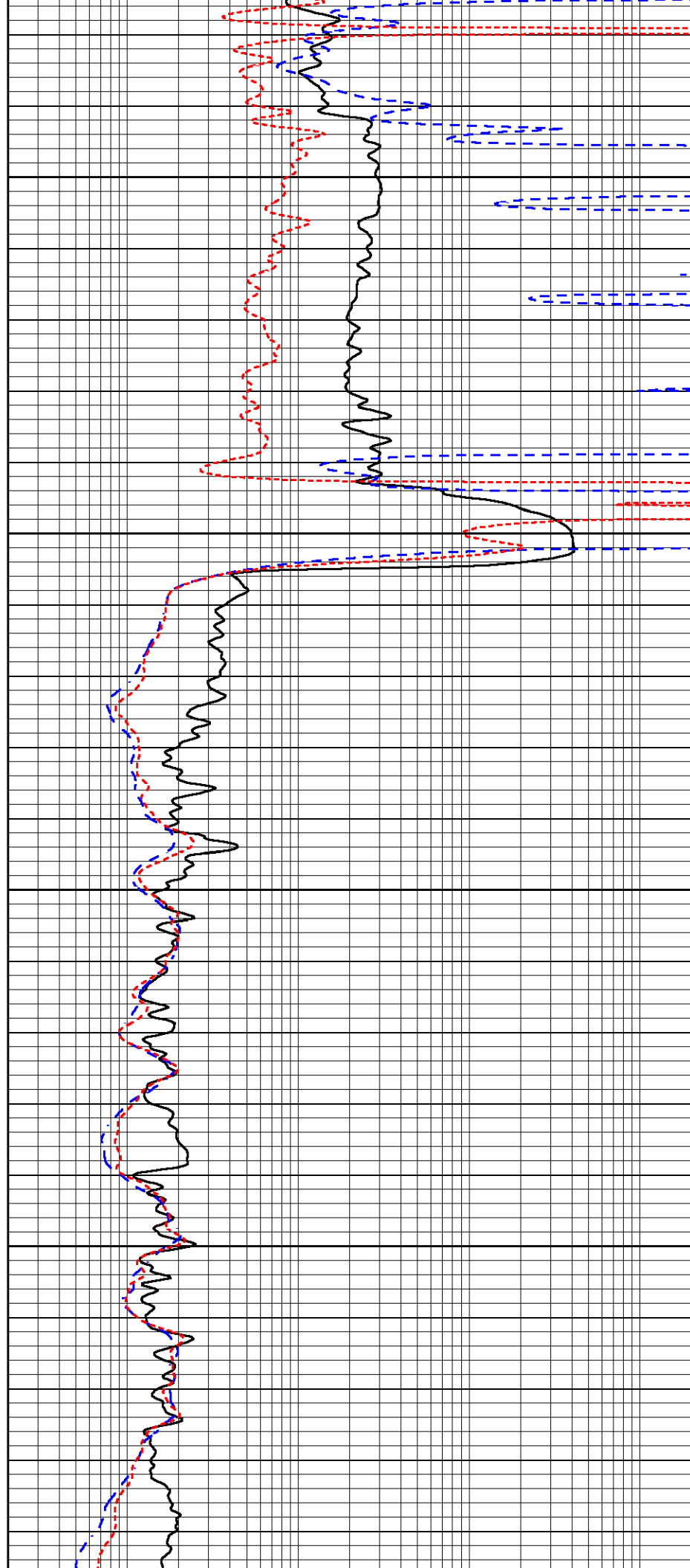


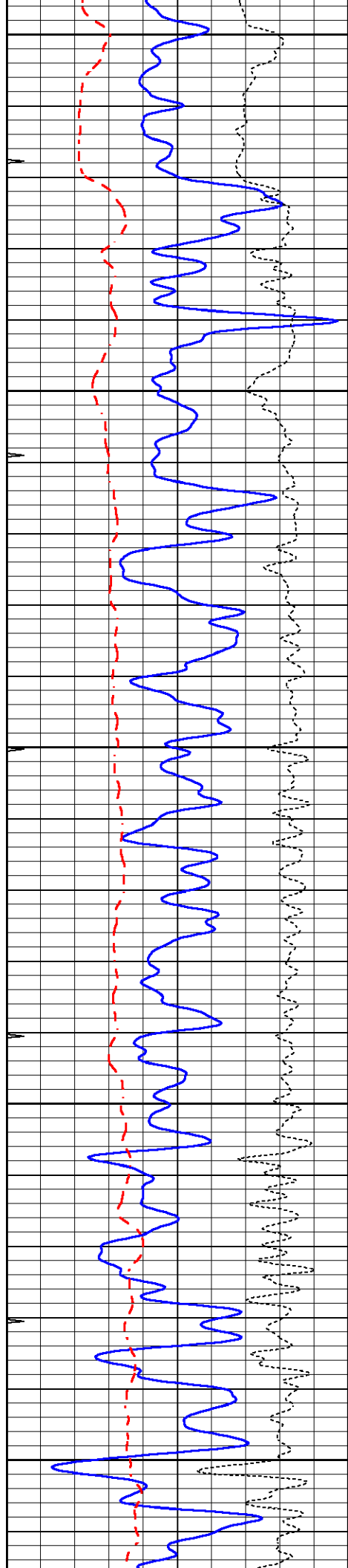
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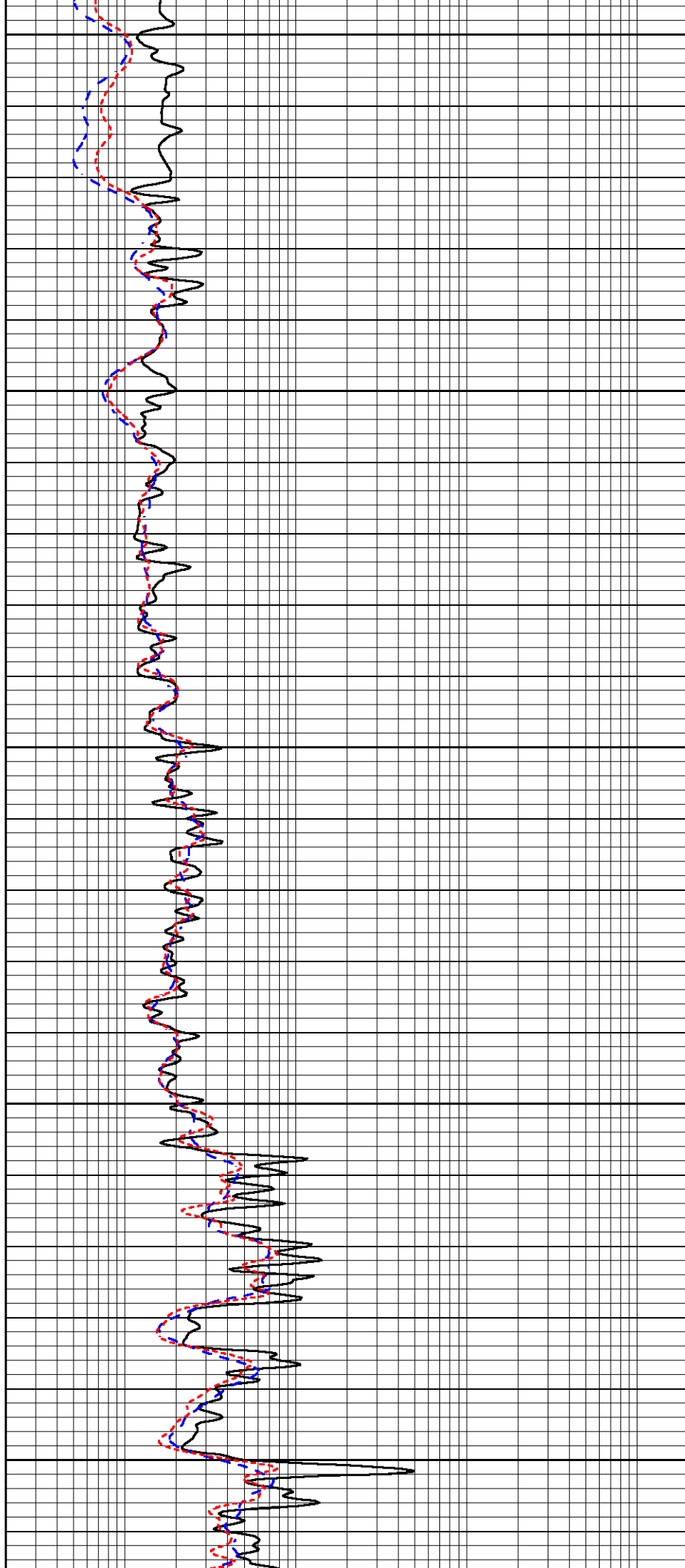
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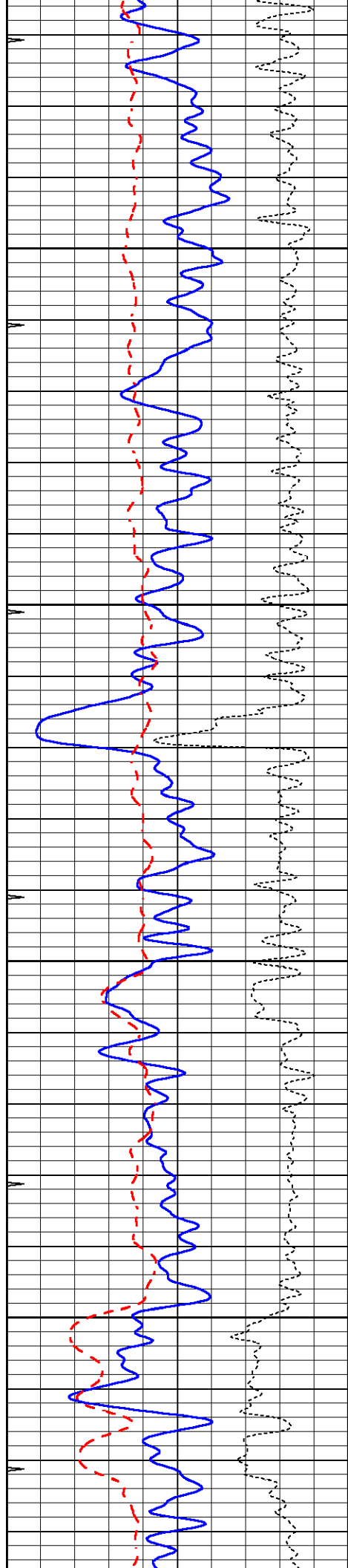
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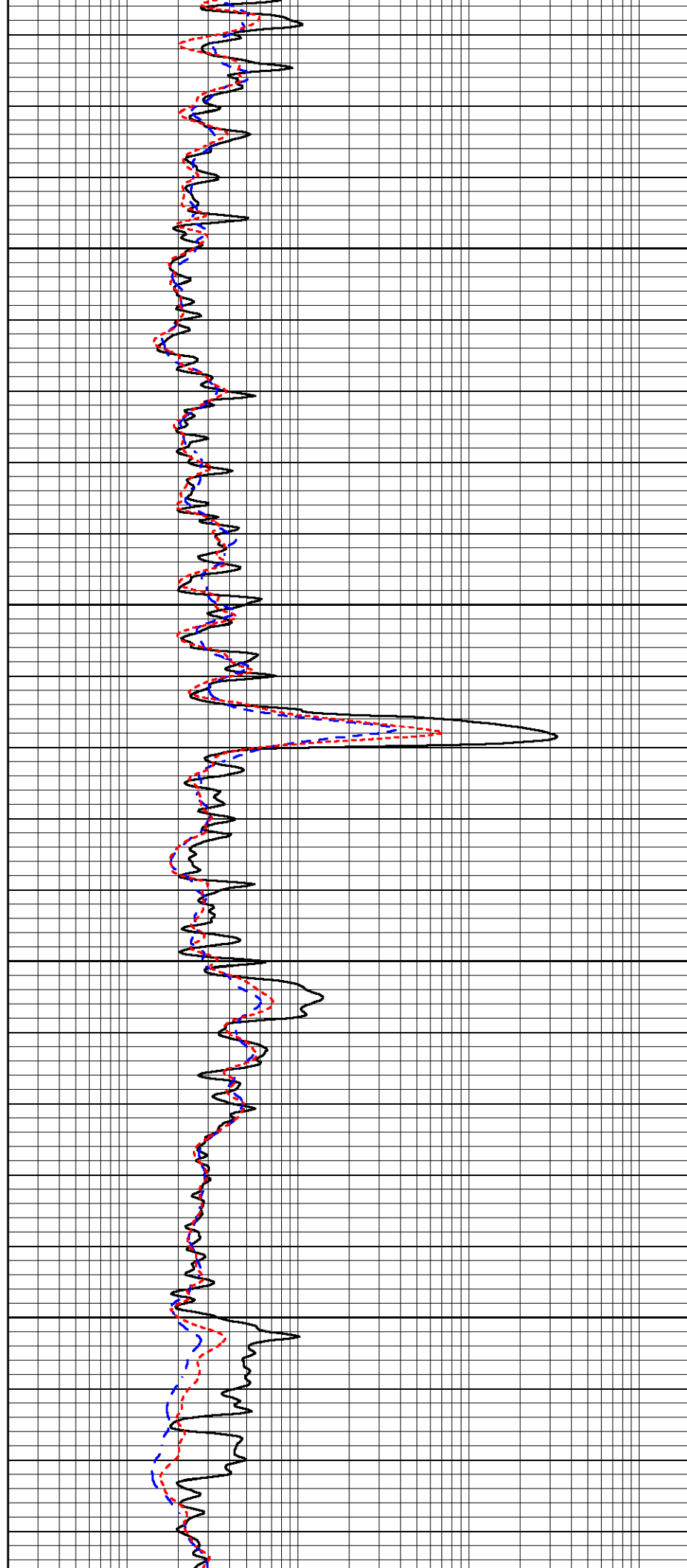


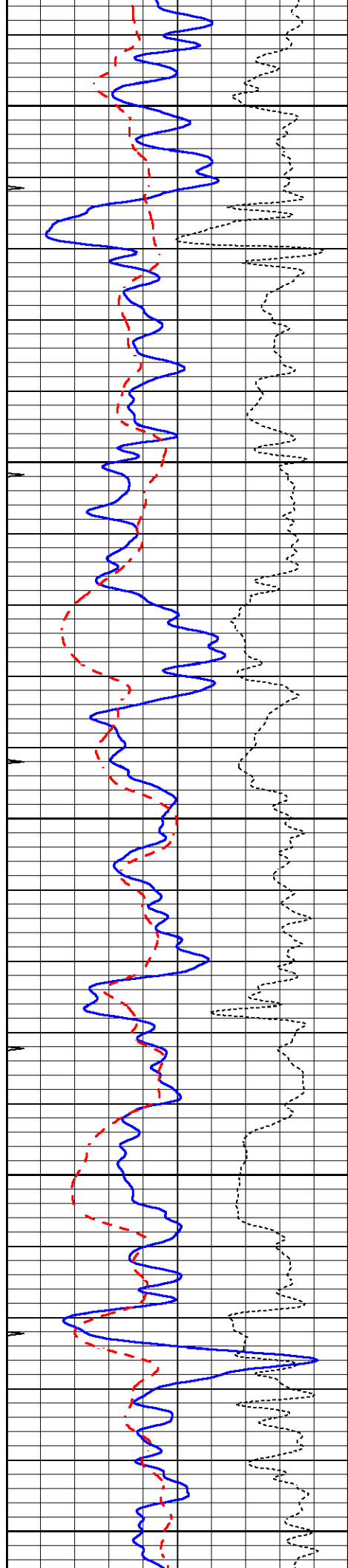
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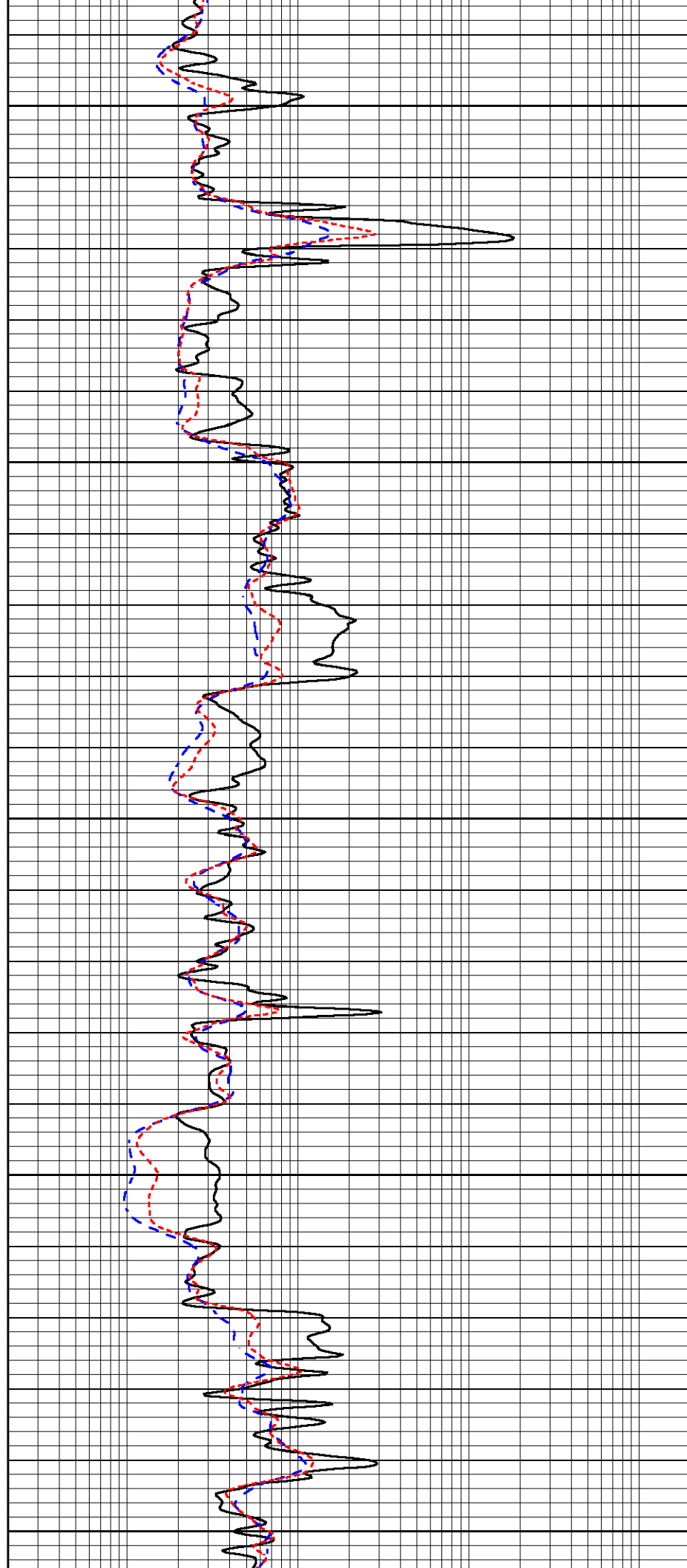
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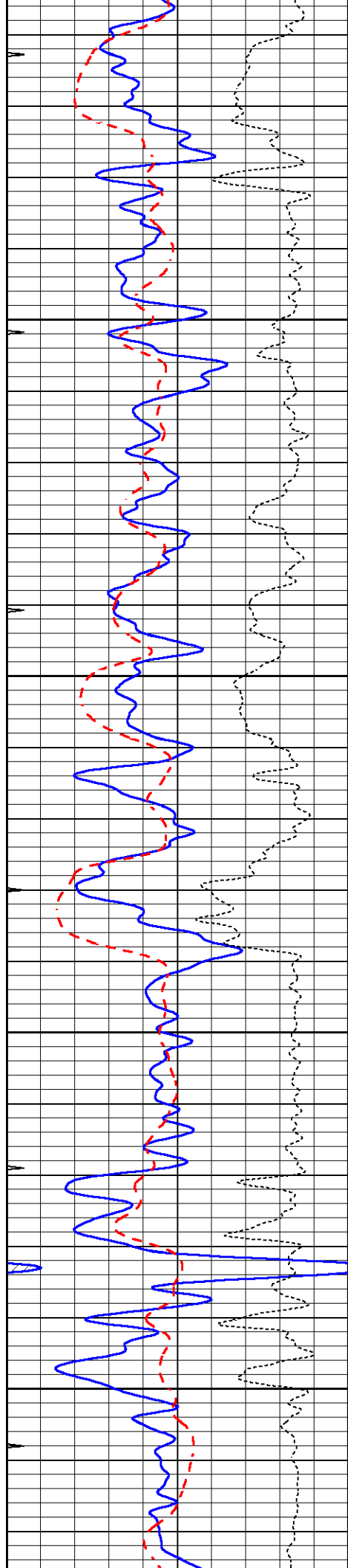
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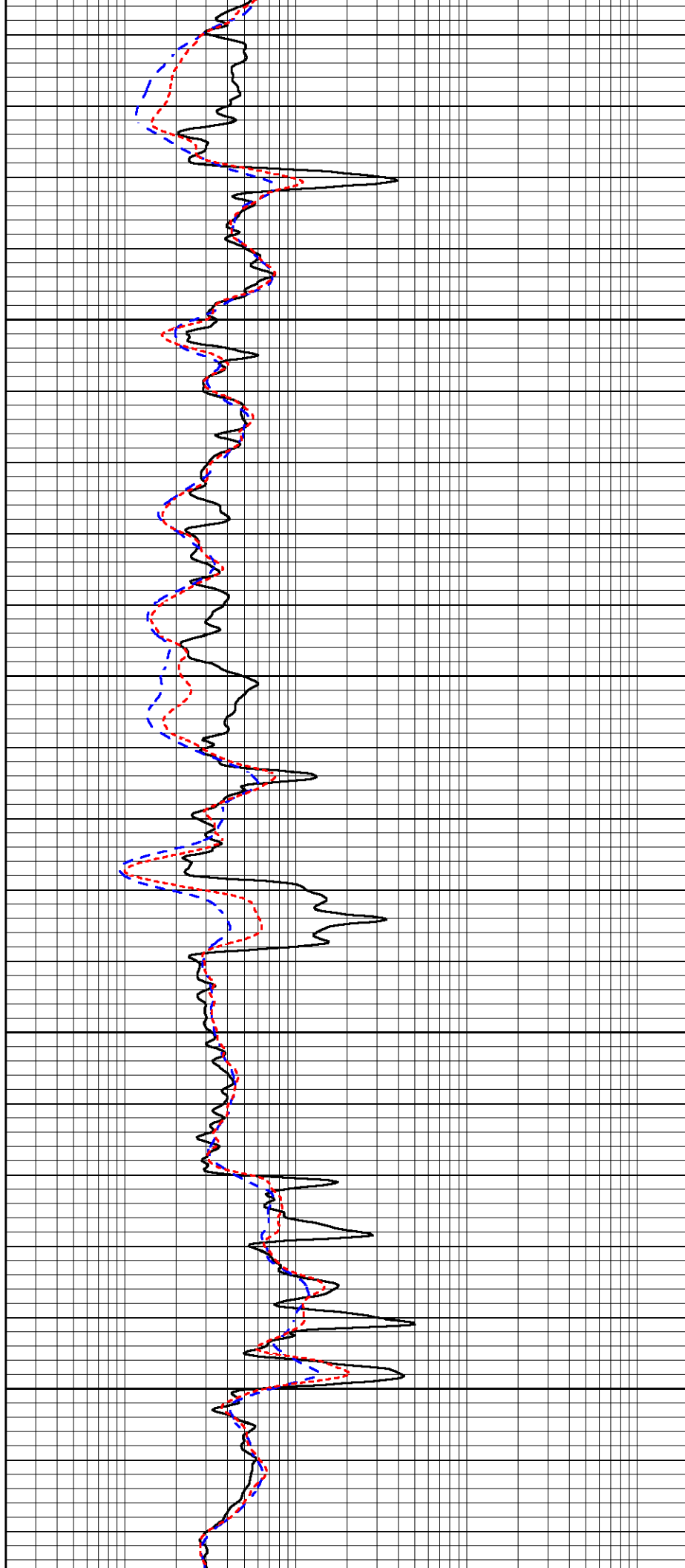


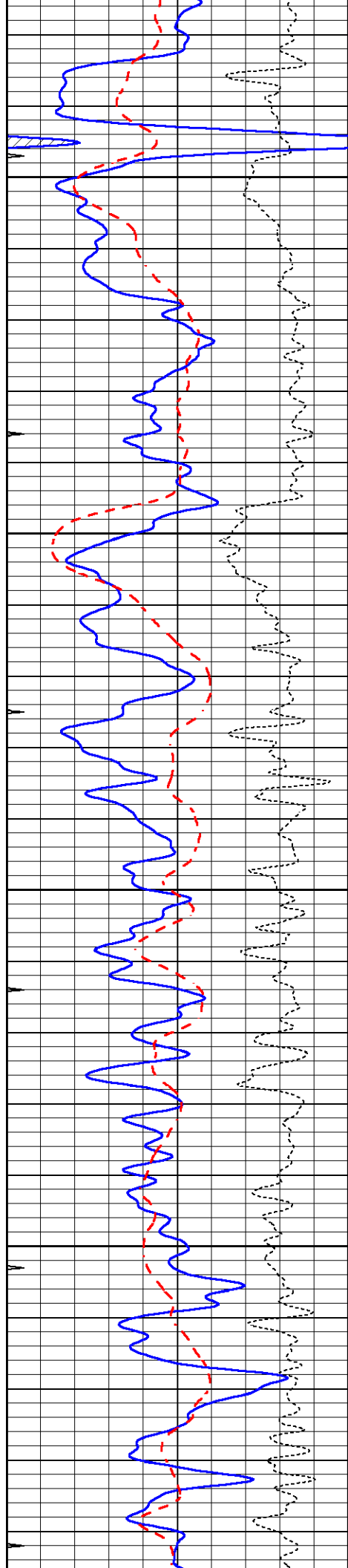
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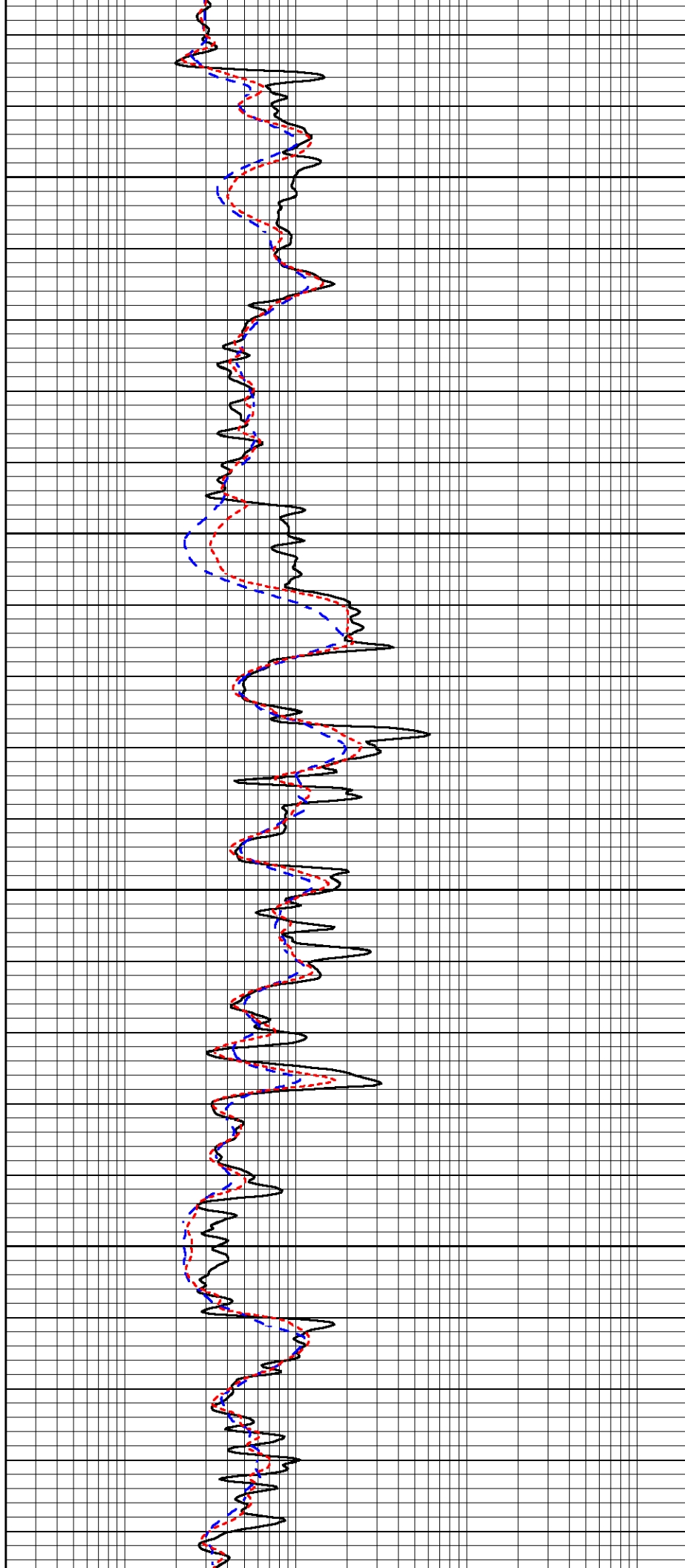


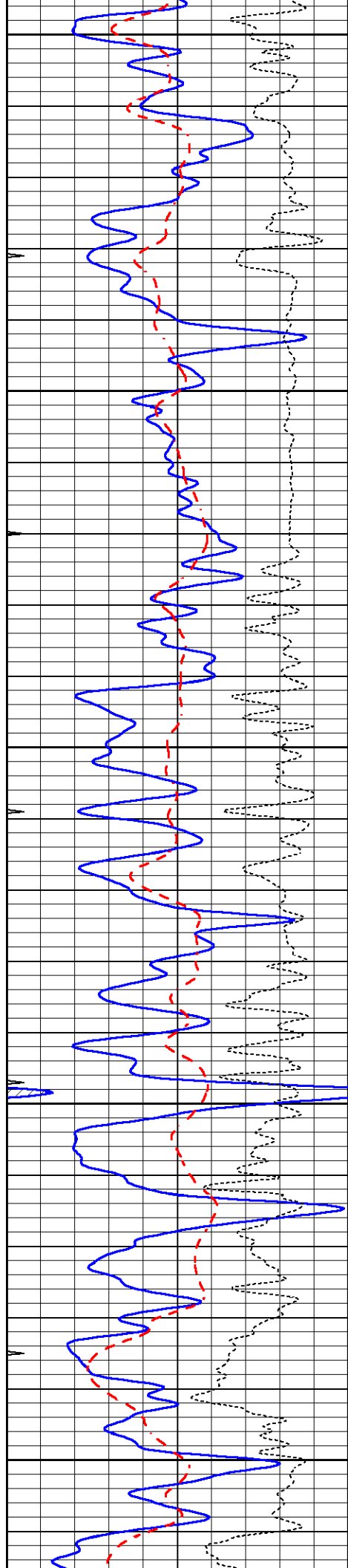
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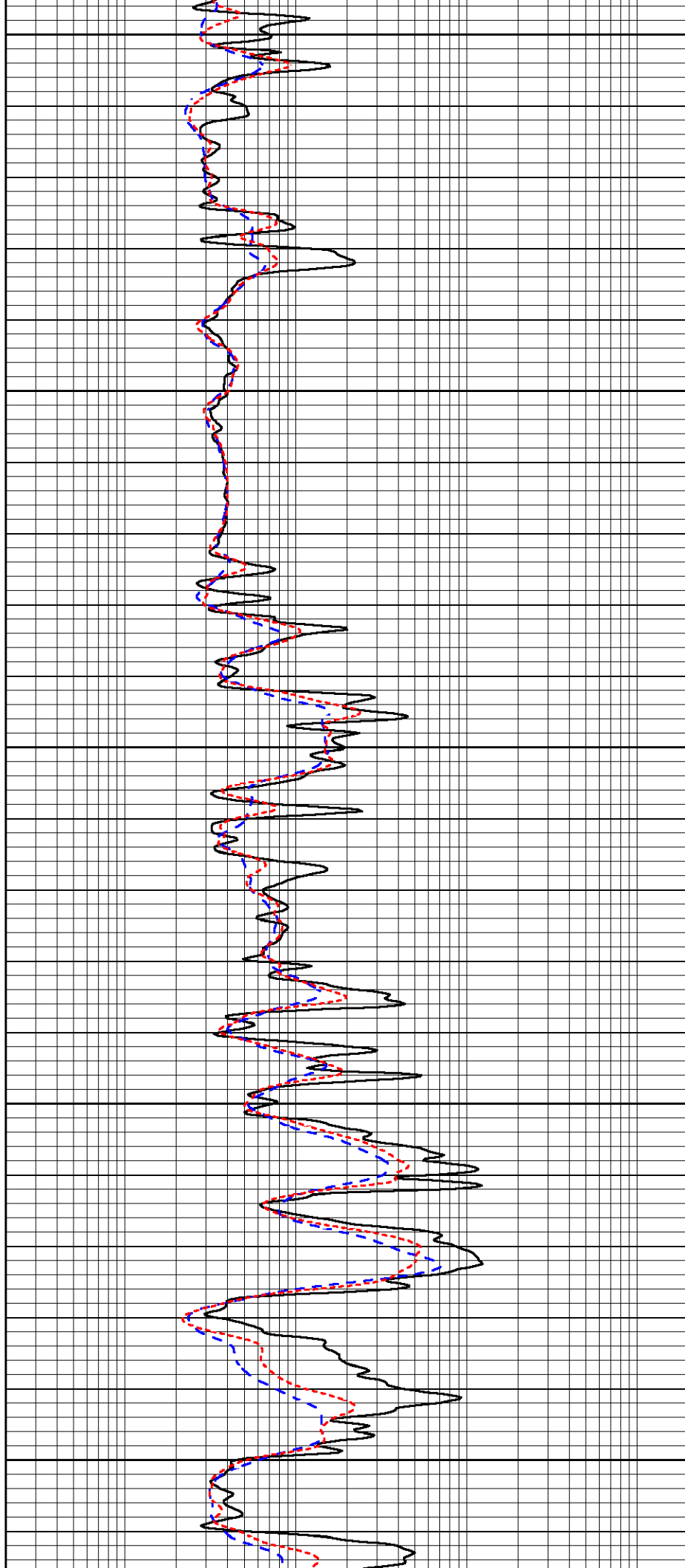
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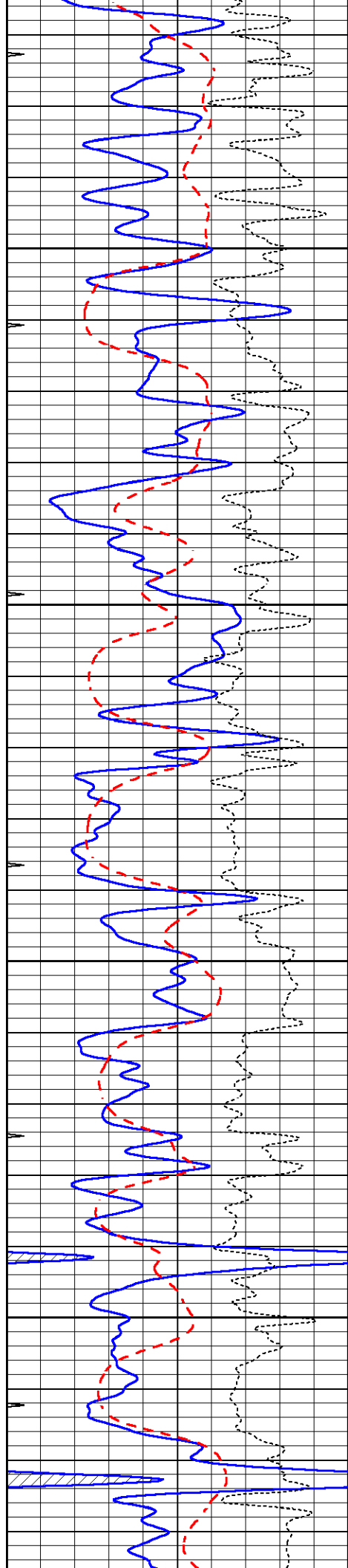
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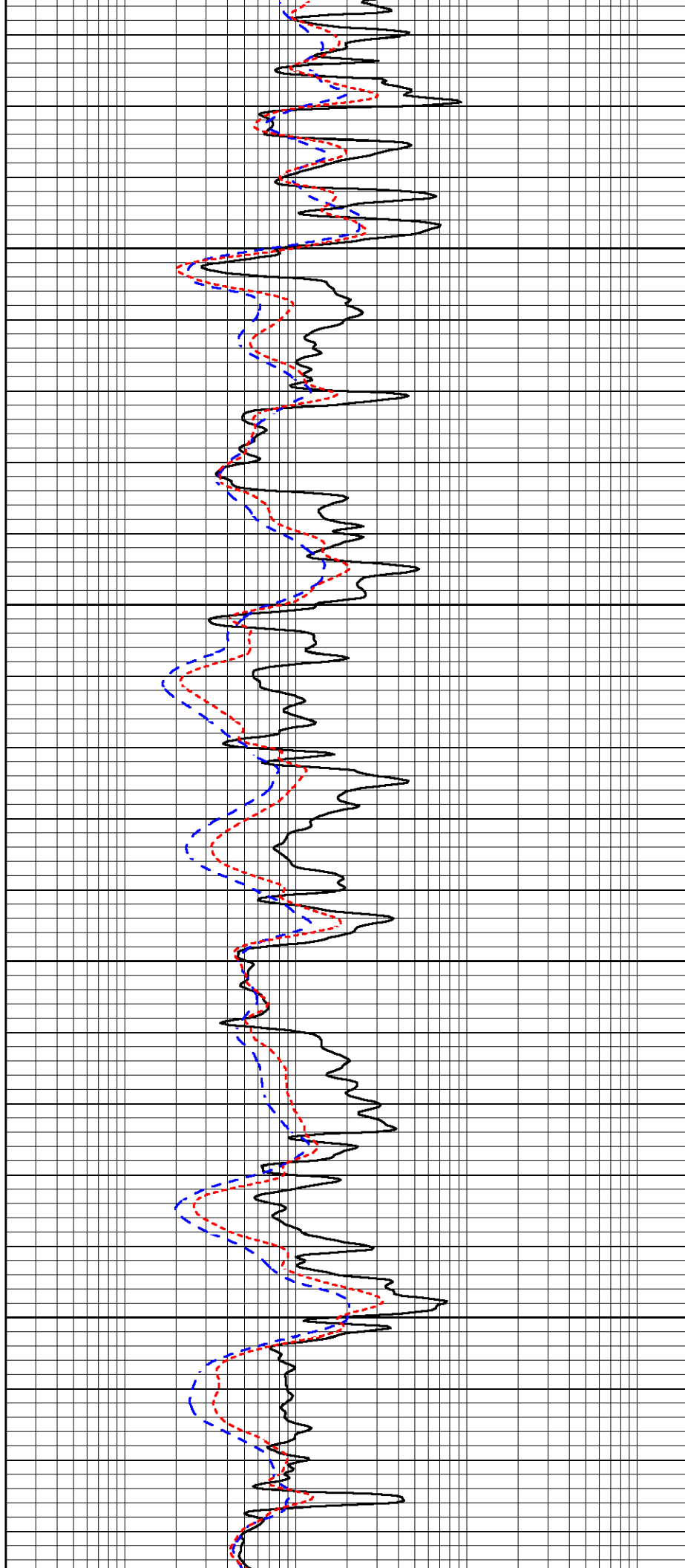


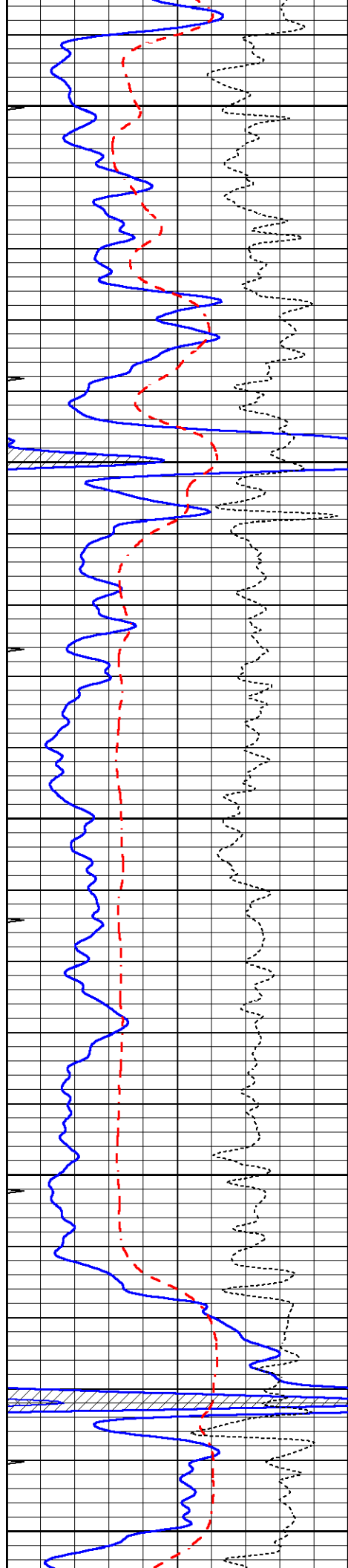
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3600





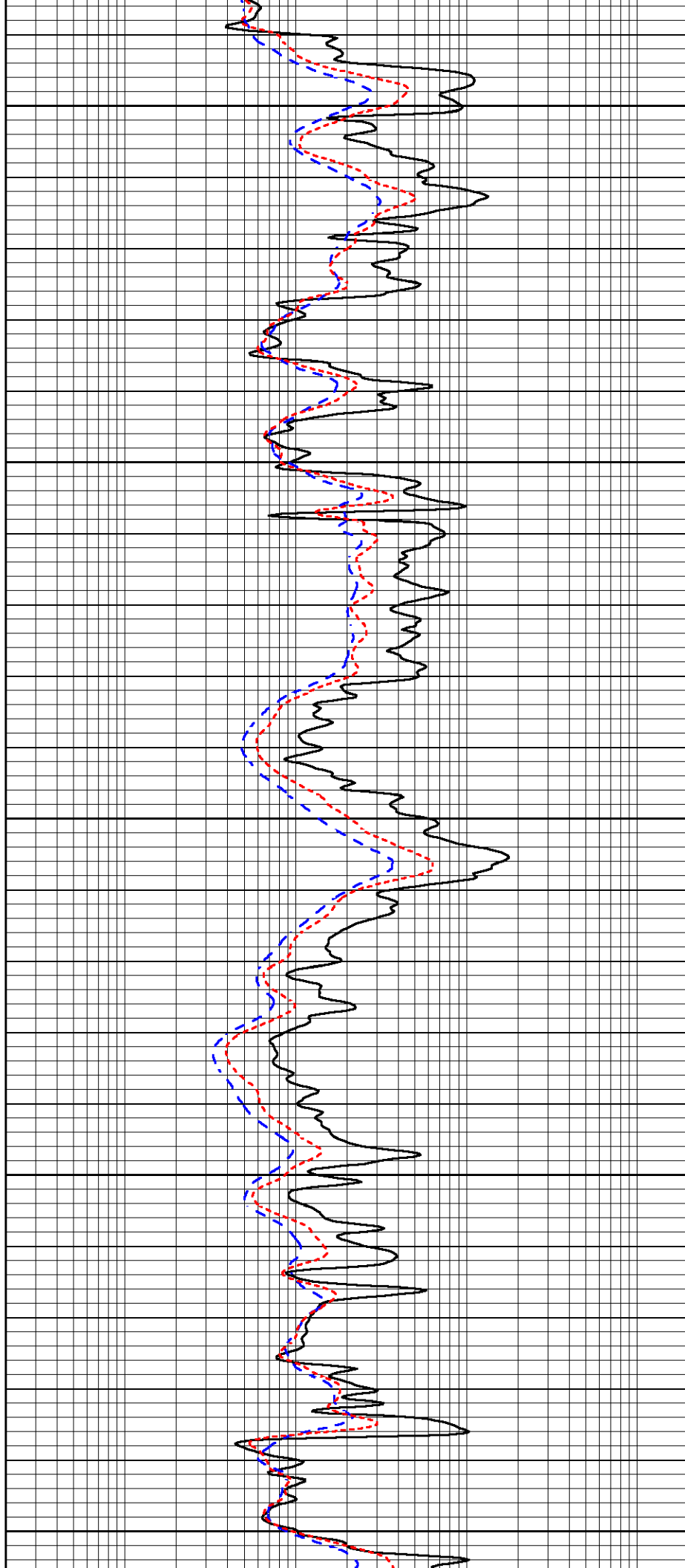
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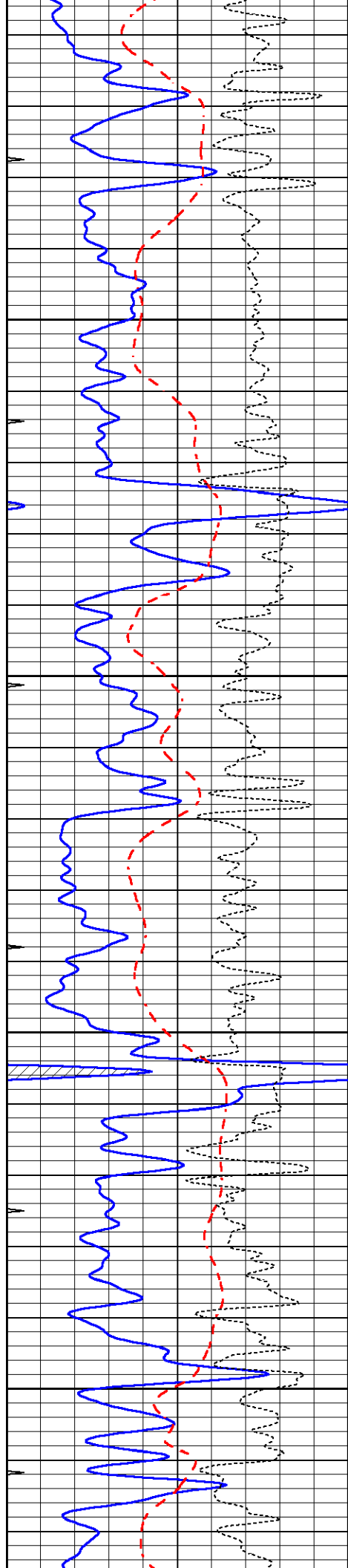
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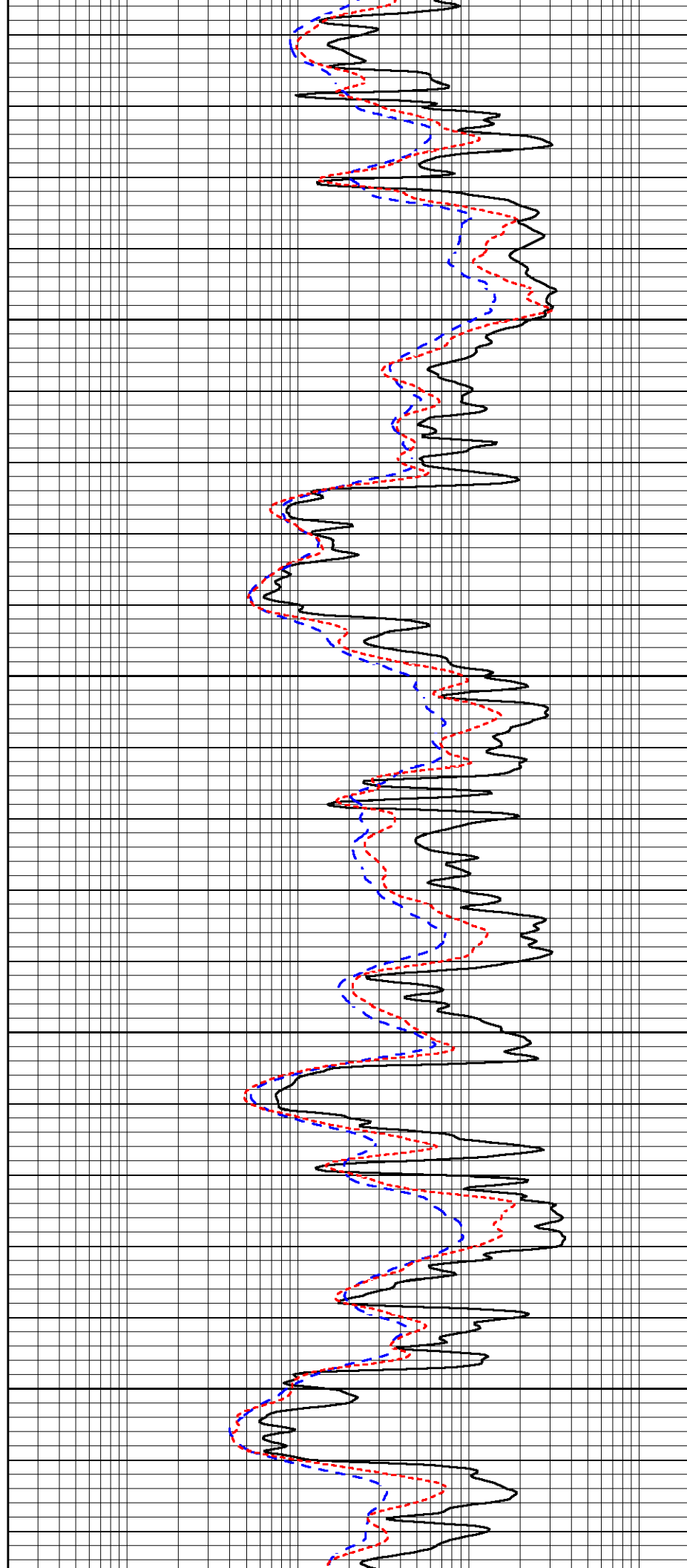


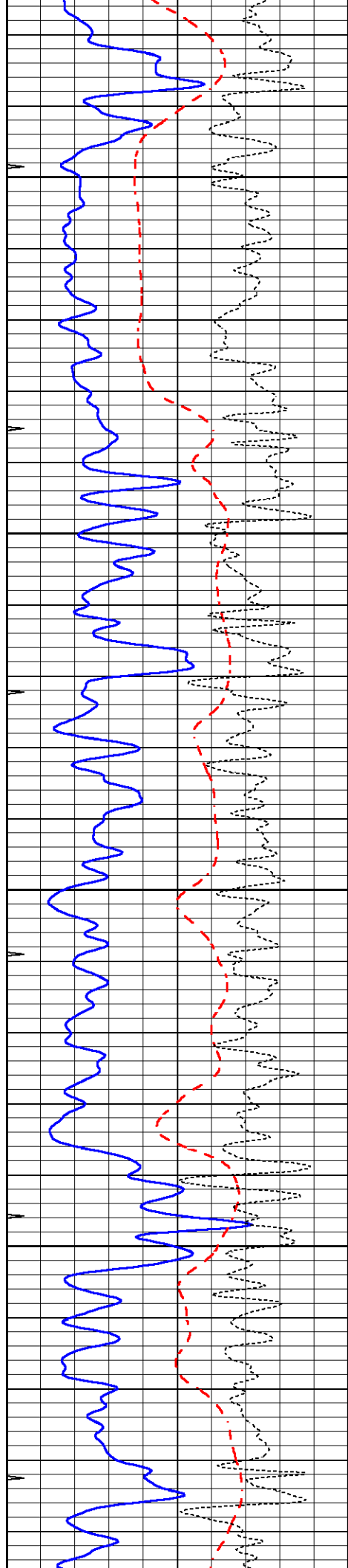
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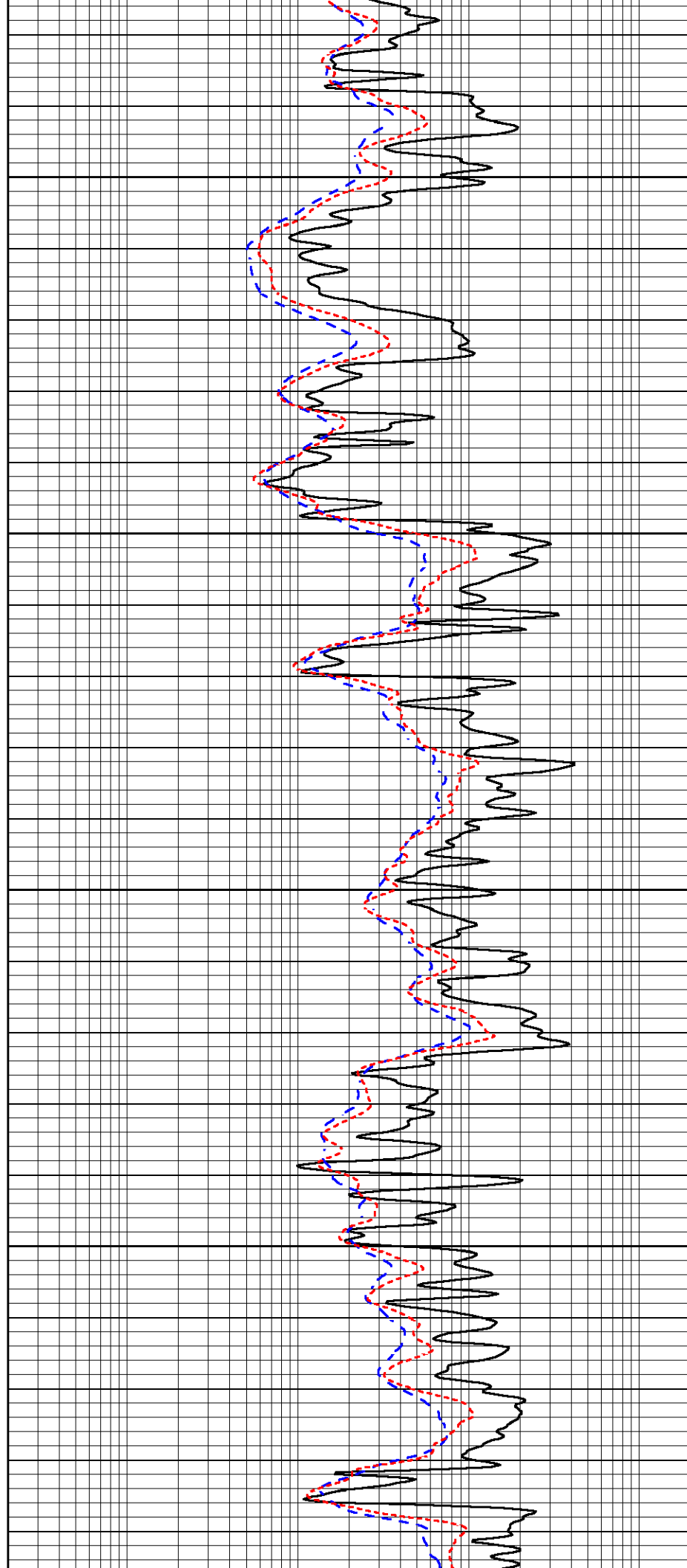


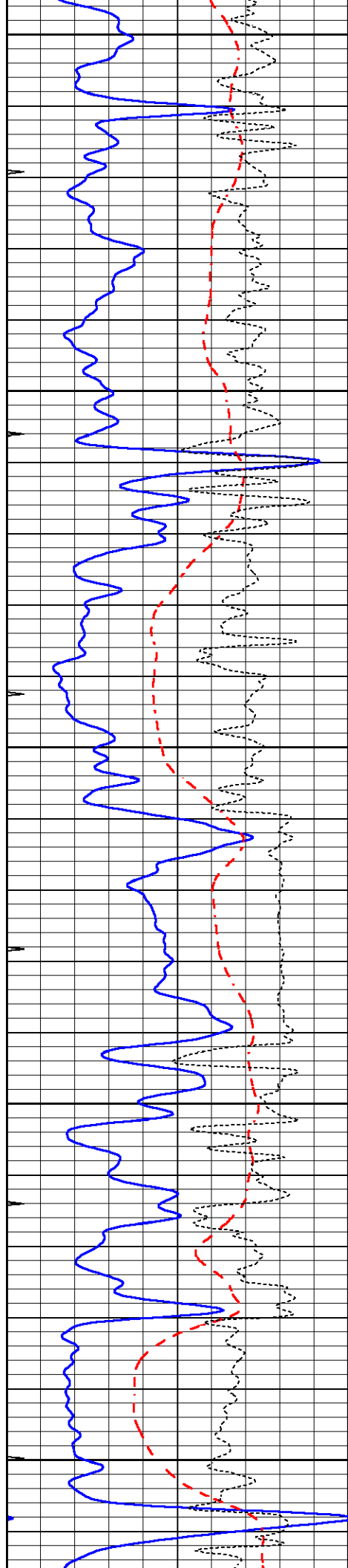
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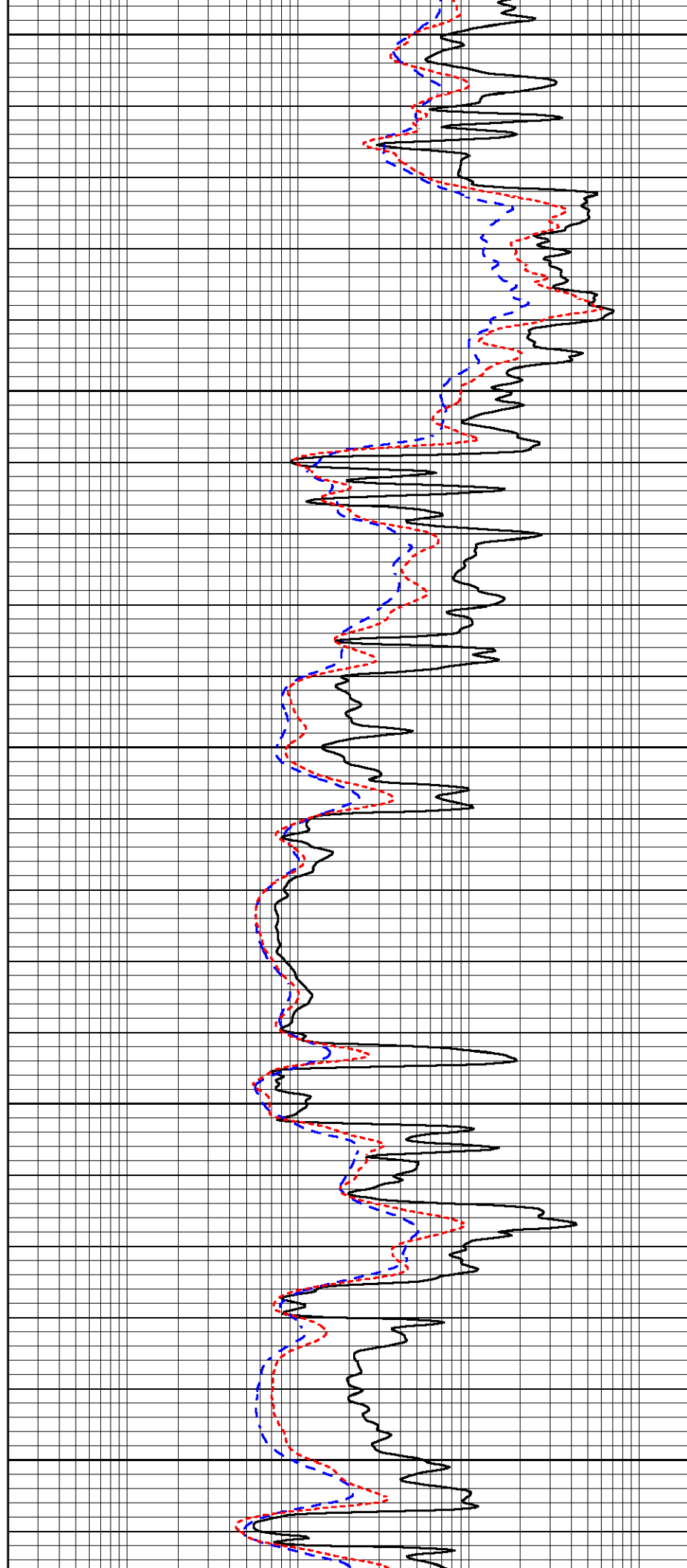
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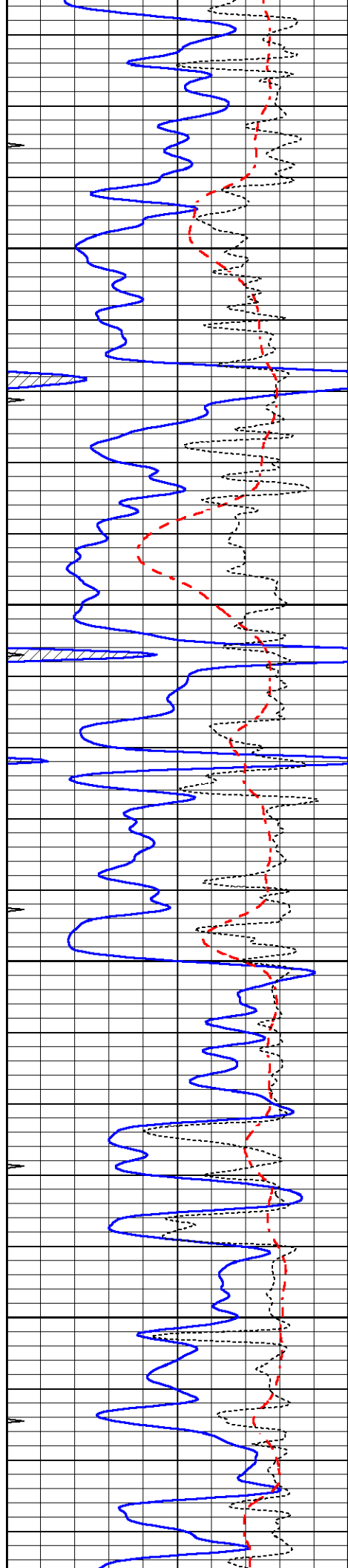
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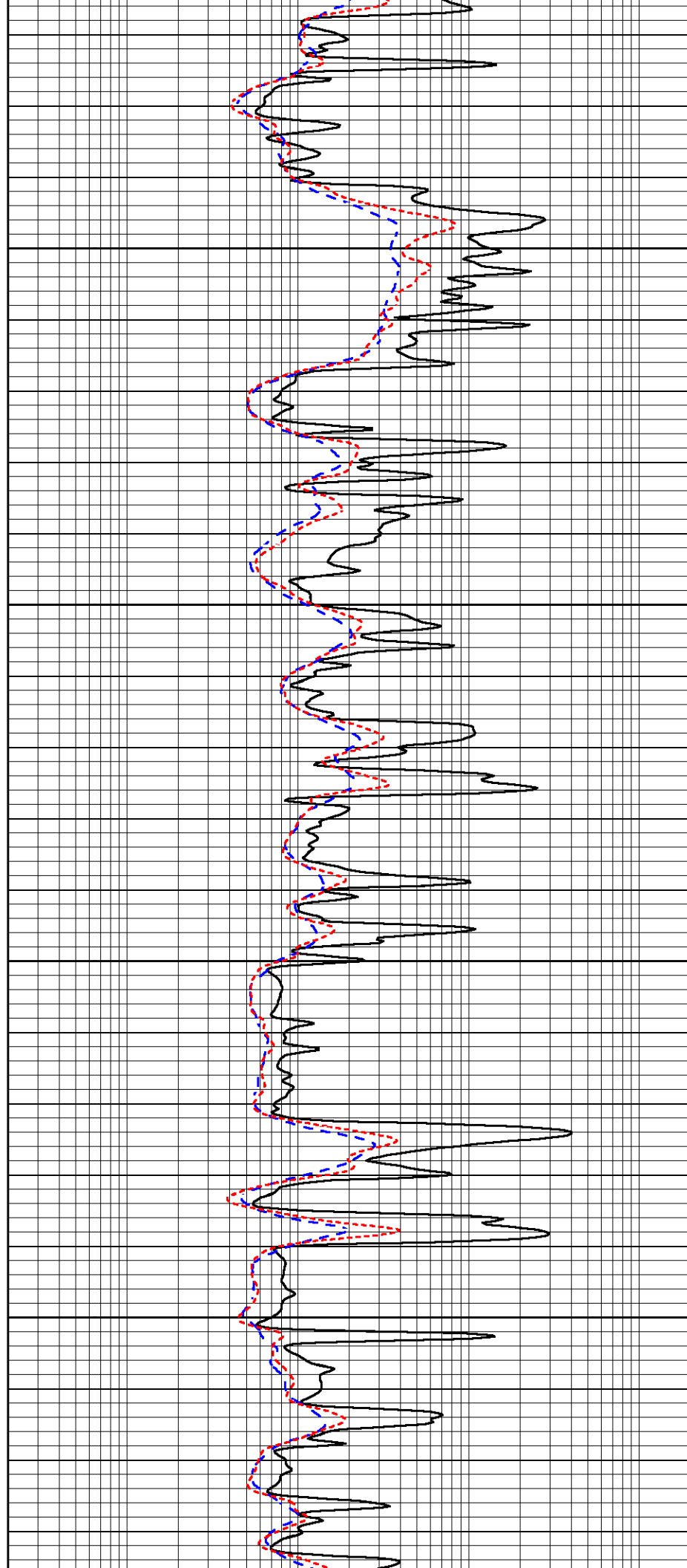


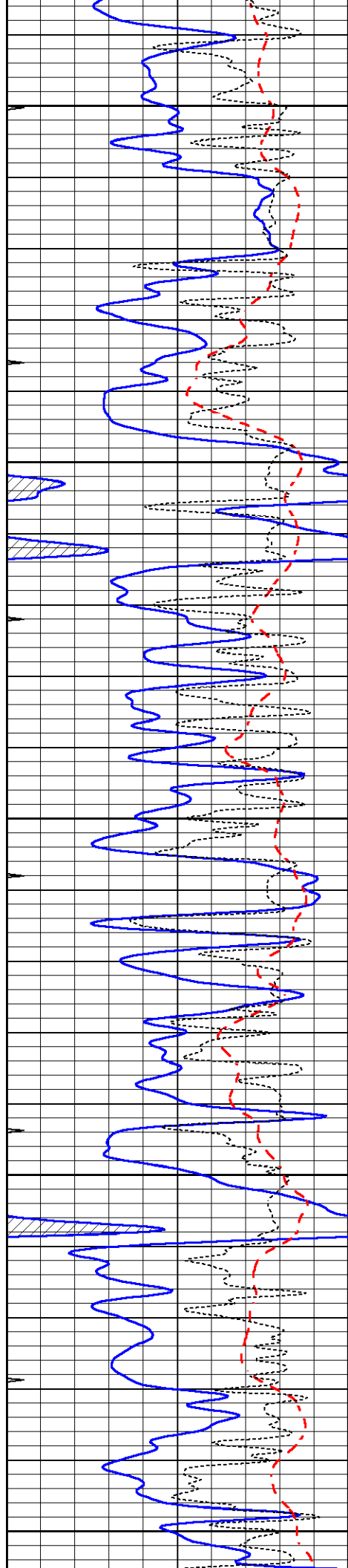
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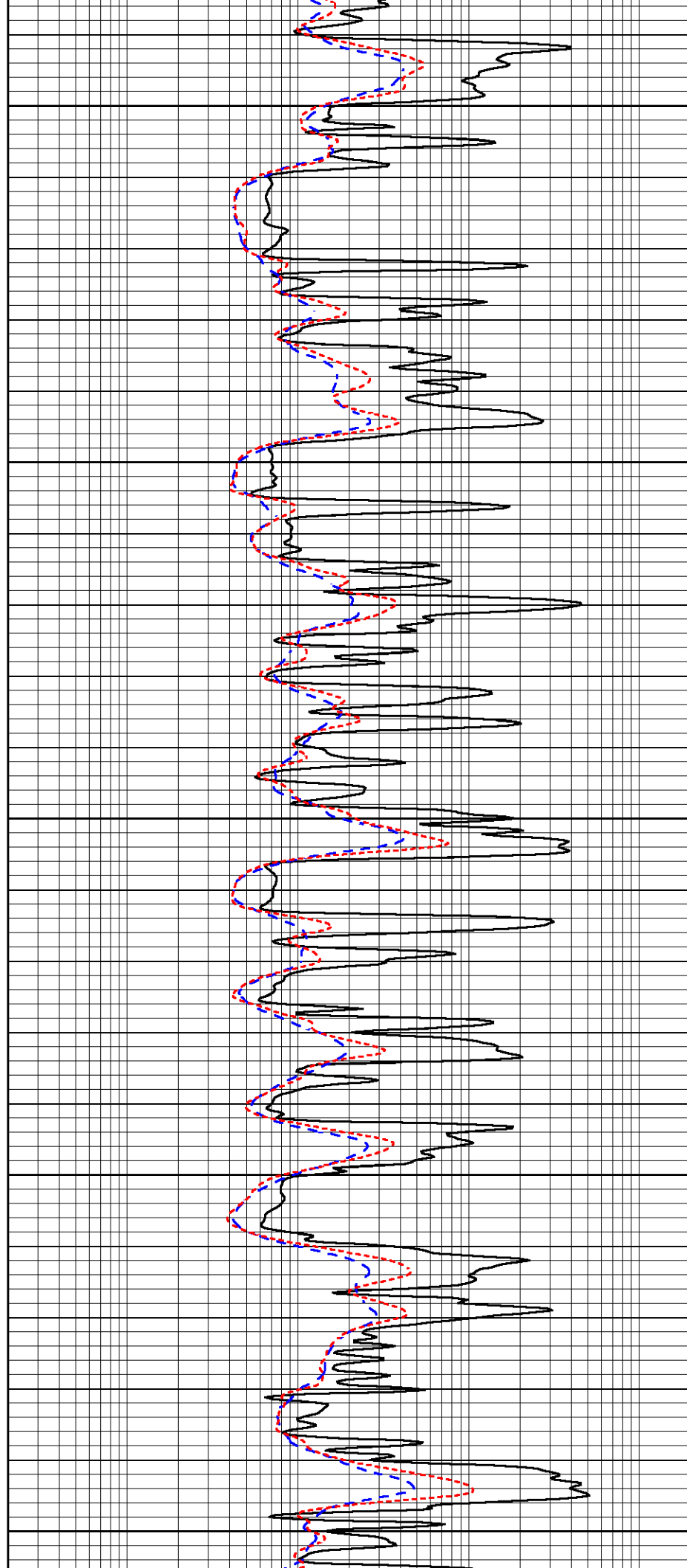
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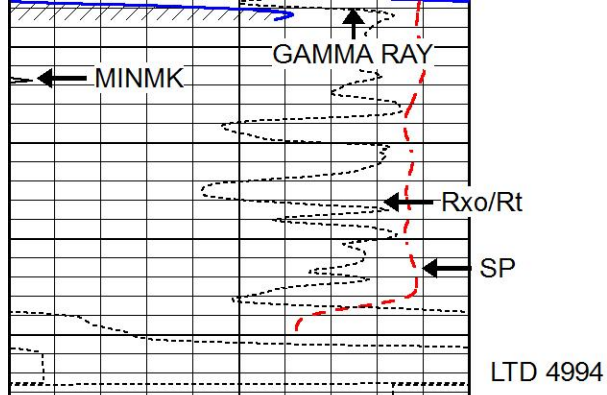
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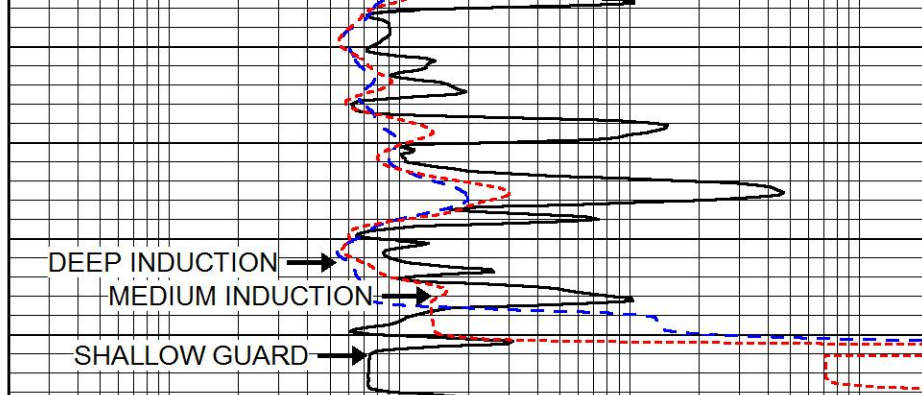
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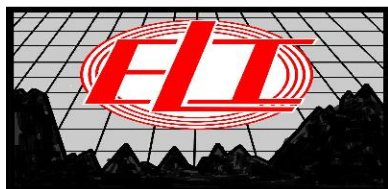




0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20



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

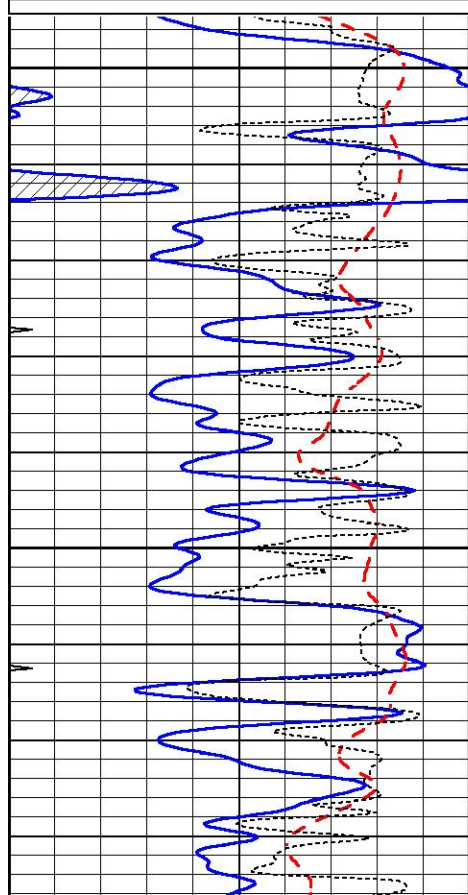


REPEAT SECTION

Database File 5613pe.db
 Dataset Pathname pass2.1
 Presentation Format _dil
 Dataset Creation Thu Aug 12 15:35:33 2021
 Charted by Depth in Feet scaled 1:240

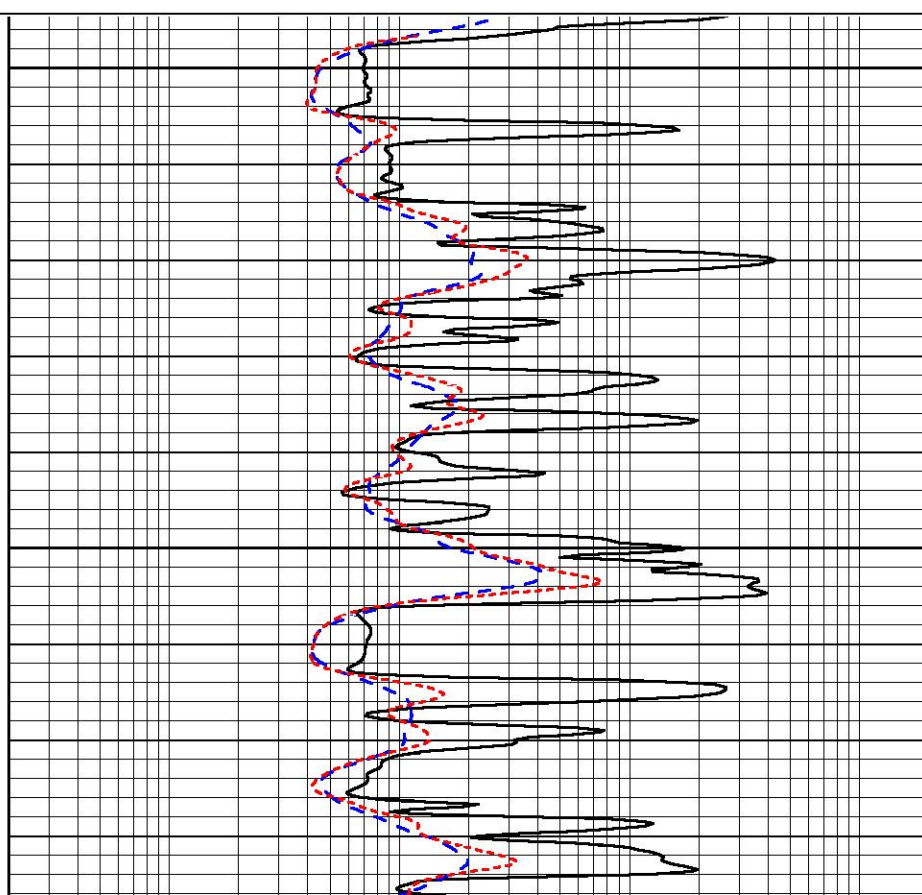
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

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



4800

4850



Downhole Calibration							Results	
	Readings			References				
	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: 002N Model: PRB								

Master Calibration					Performed Tue Mar 10 15:08:00 2020			
	Background	Magnesium	Aluminum	Aluminum+Fe				
Window 1	780.1	6981.9	2088.6	1871.2				cps
Window 2	718.6	5898.2	1813.8	1664.1				cps
Window 3	580.0	2989.5	1088.0	1039.1				cps
Window 4	172.8	175.7	175.3	173.5				cps
Long Space	0.0	5179.6	1095.2	945.5				cps
Short Space	1.1	1228.6	821.2	690.4				cps
Rho		1.7100	2.5900	0.0000				g/cc
Pe		2.0000	2.7500	5.7900				
Rib Angle	: 45.5	Rib Slope	: 1.016	Density/Spine Ratio			: 0.548	
Spine Angle	: 75.5	Spine Slope	: 3.857	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 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:		6I			
Tool Model:		G			
CALIBRATION					
Detector		Readings		Target	
Short Space		1.00	cps	1.00	cps
Long Space		1.00	cps	1.00	cps
		Normalization			
		1.0000			
		1.0000			
PRE-SURVEY VERIFICATION					
Detector		Readings		Measured	
1) Short Space		cps			
Long Space		cps		pu	
2) Short Space		cps			
Long Space		cps		pu	
3) Short Space		cps			
Long Space		cps		pu	
POST-SURVEY VERIFICATION					
Detector		Readings		Measured	
1) Short Space		cps			
Long Space		cps		pu	
2) Short Space		cps			
Long Space		cps		pu	
3) Short Space		cps			
Long Space		cps		pu	
Gamma Ray Calibration Report					
Serial Number:		GR6			
Tool Model:		OPEN			
Performed:		Thu Jul 30 20:04:35 2020			
Calibrator Value:		150.0	GAPI		
Background Reading:		0.0	cps		
Calibrator Reading:		276.0	cps		
Sensitivity:		0.8500	GAPI/cps		