



LITHO DENSITY NEUTRON LOG

Company VAL ENERGY, INC		Company VAL ENERGY, INC	
Well ROGERS # 1-20		Well ROGERS # 1-20	
Field BOLAK		Field BOLAK	
County COWLEY		County COWLEY	
State KANSAS		State KANSAS	
Location: API #: 15-035-24796-00-00		Other Services	
SEC 20 TWP 32S RGE 6E		ILD MICRO	
Permanent Datum	GL	Elevation	1311
Log Measured From	KB		
Drilling Measured From	KB		
		Elevation	K.B. 1319 D.F. 1318 G.L. 1311
Date	4-17-24		
Run Number	ONE		
Depth Driller	3250		
Depth Logger	3251		
Bottom Logged Interval	3247		
Top Log Interval	SURFACE		
Casing Driller	8.625" @ 328 GL		
Casing Logger	8.625" @ 328 GL		
Bit Size	7.875"		
Type Fluid in Hole	MUD		
Density / Viscosity	9.4 / 67		
pH / Fluid Loss	10.5 / 6.7		
Source of Sample	PIT		
Rm @ Meas. Temp	2.6 @ 70		
Rmf @ Meas. Temp	2.08 @ 70		
Rmc @ Meas. Temp	3.12 @ 70		
Source of Rmf / Rmc	CALCULATED		
Rm @ BHT	1.64 @ 106		
Time Circulation Stopped	8:30 AM		
Time Logger on Bottom	11:30 AM		
Maximum Recorded Temperature	106		
Equipment Number	OW2		
Location	HOMINY, OK		
Recorded By	MACKEY	KIDD	
Witnessed By	MR. WOLFE		

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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

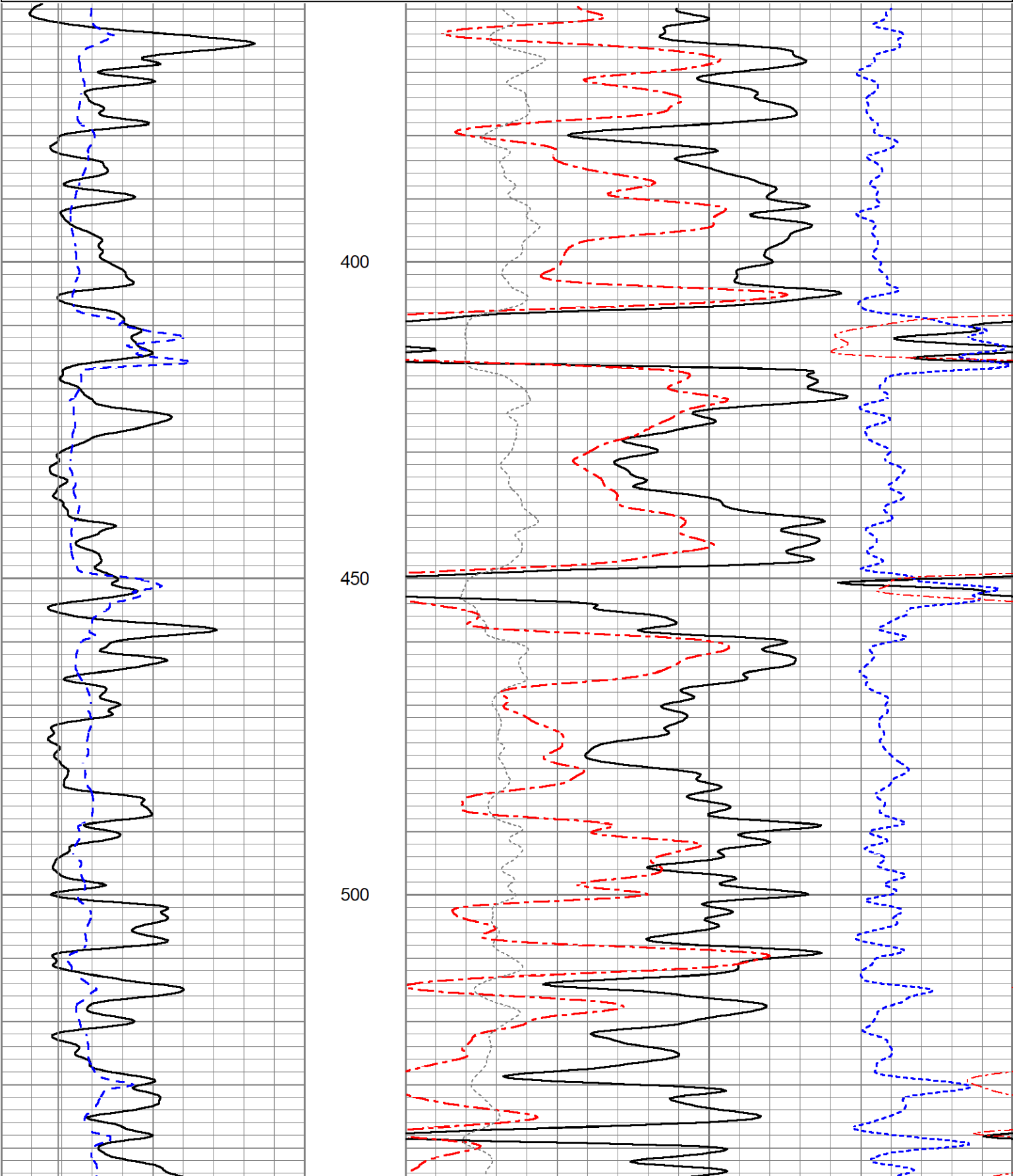
FILE # OW2-9336 VAL ENERGY
THANK YOU FOR USING OSAGE WIRELINE

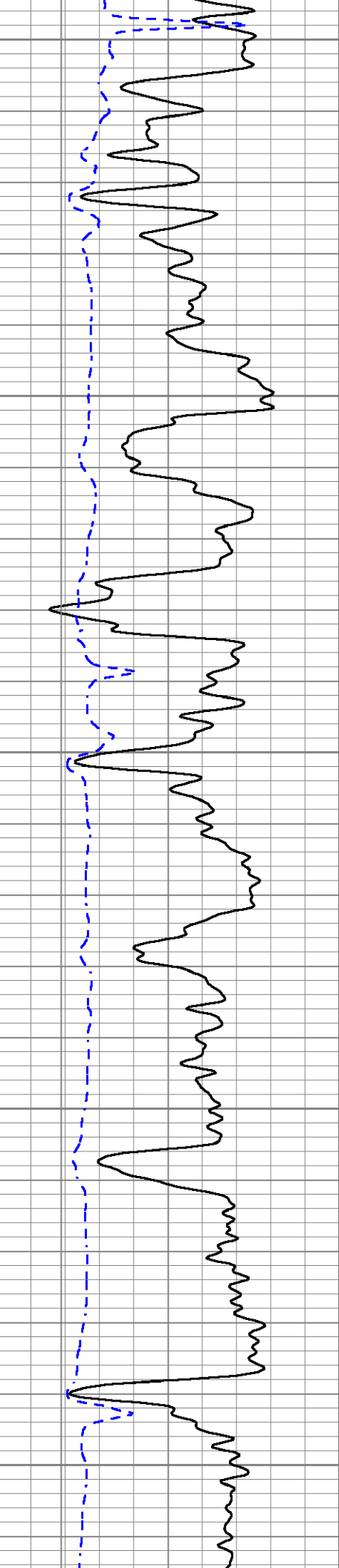


5" DENSITY NEUTRON LOG

Database File	ow2-9336 val energy.db
Dataset Pathname	pass3.4
Presentation Format	stdIn-6-16_5
Dataset Creation	Wed Apr 17 14:14:08 2024
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	30	Density Porosity (pu)	-10
6	Bit size (in)	16	30	Neutron Porosity (pu)	-10
6	Density Caliper (in)	16	0	PE (barn)	10 -0.25
				Correction (g/cc)	0.25





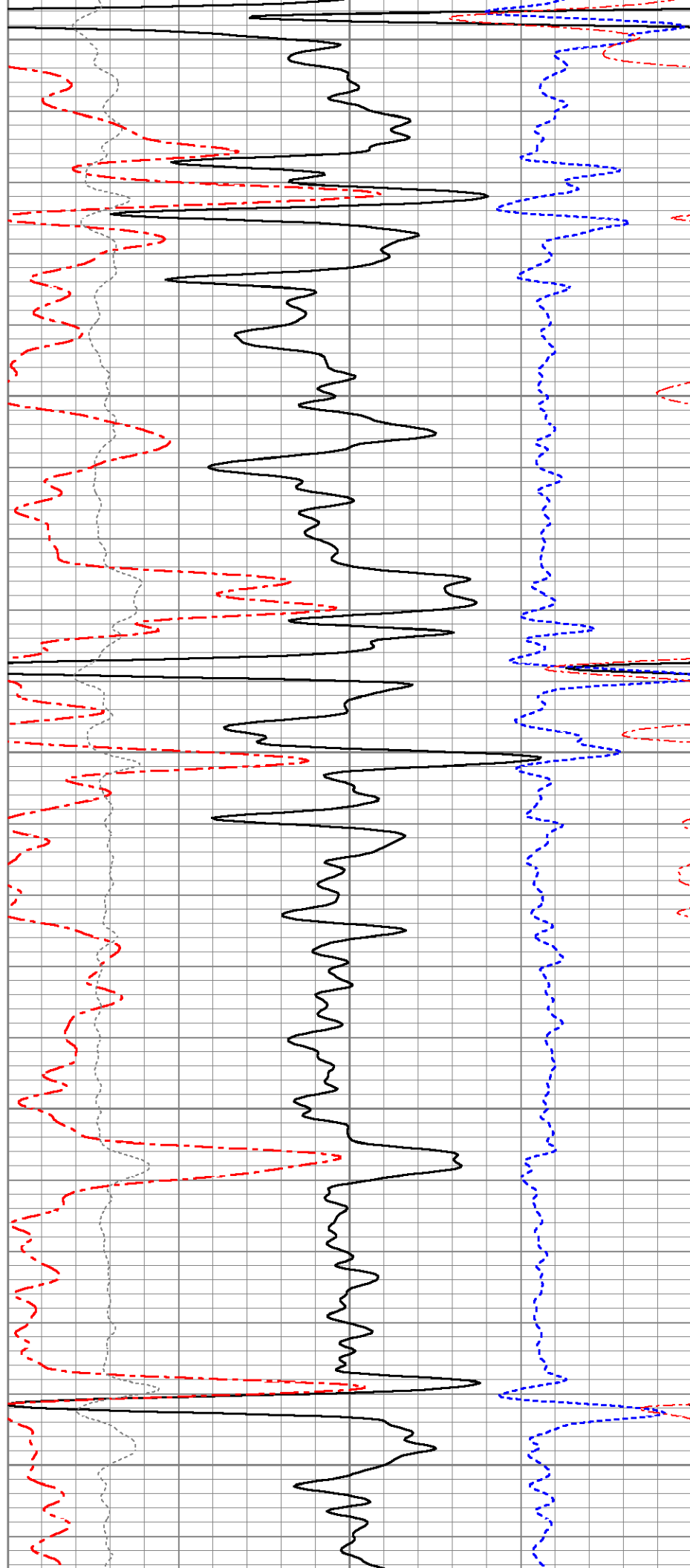
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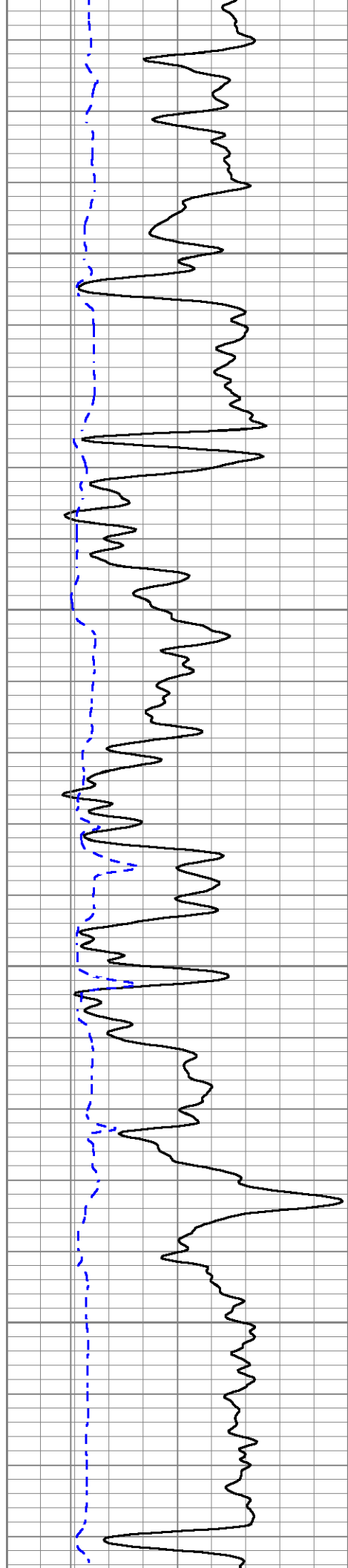
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650

700

750



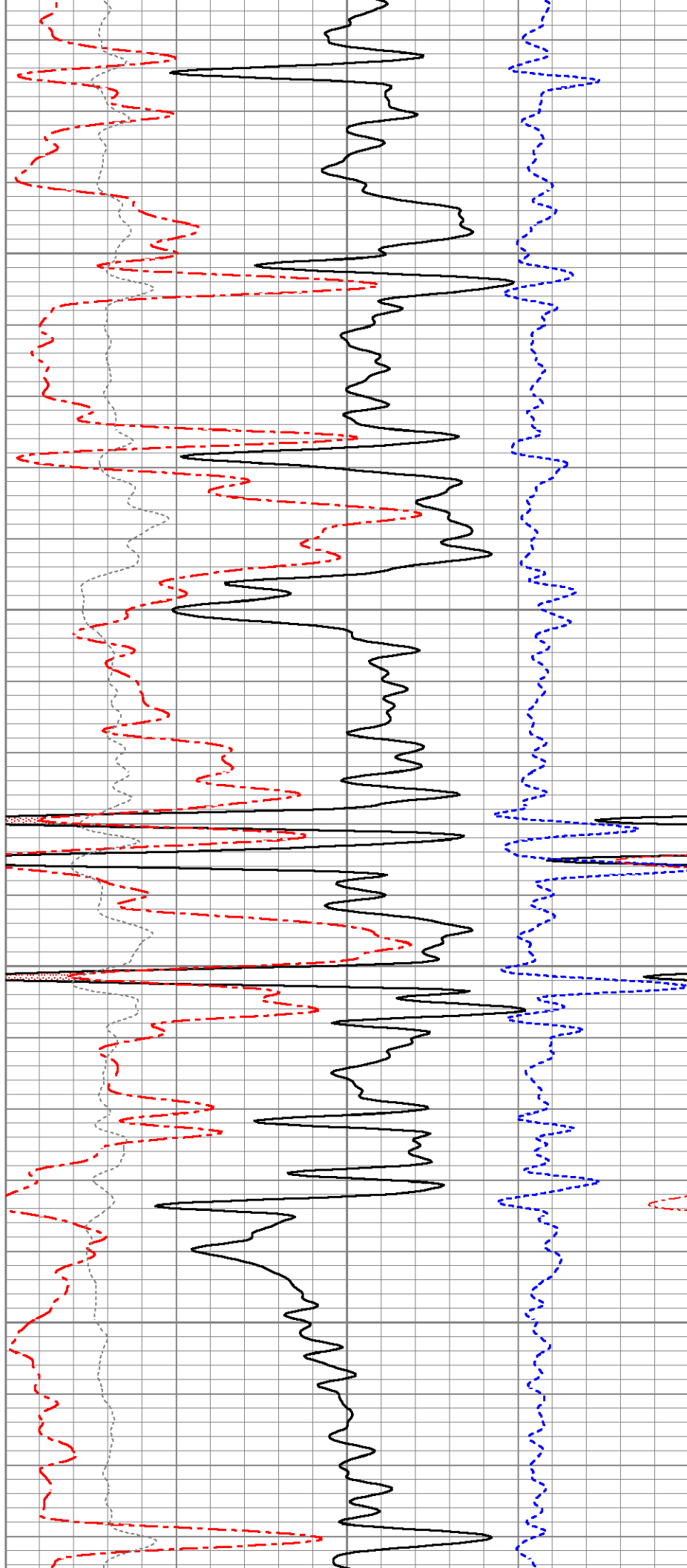


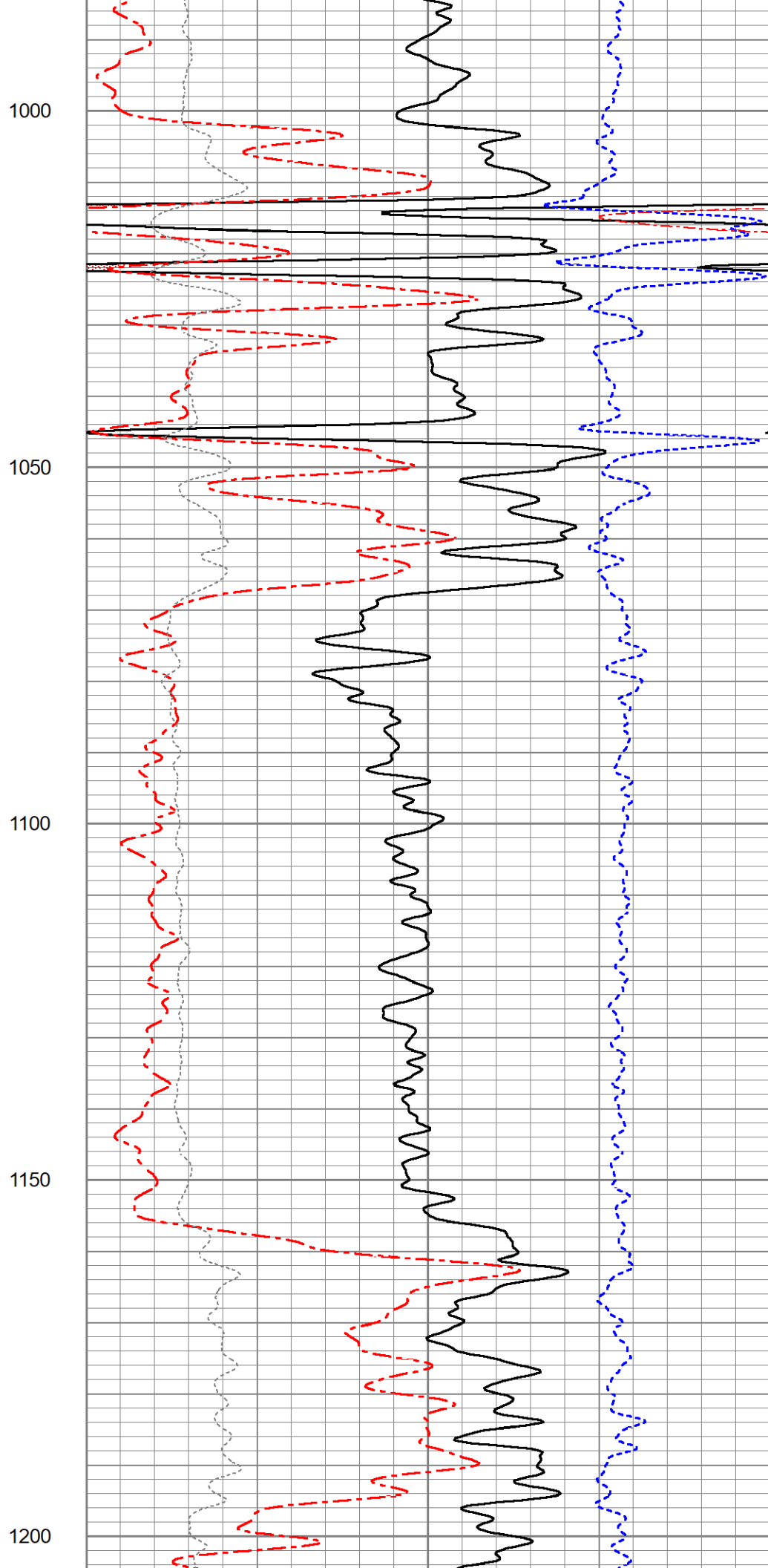
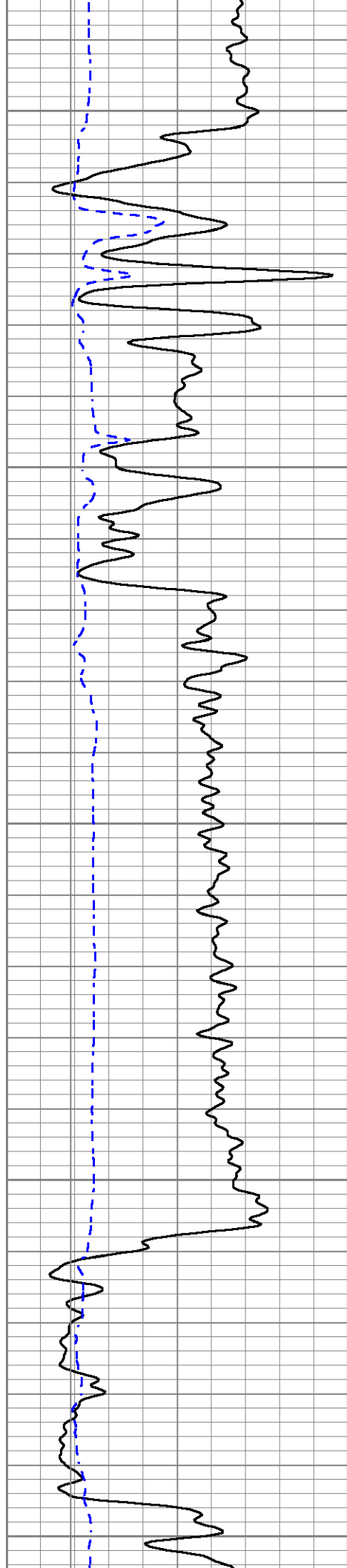
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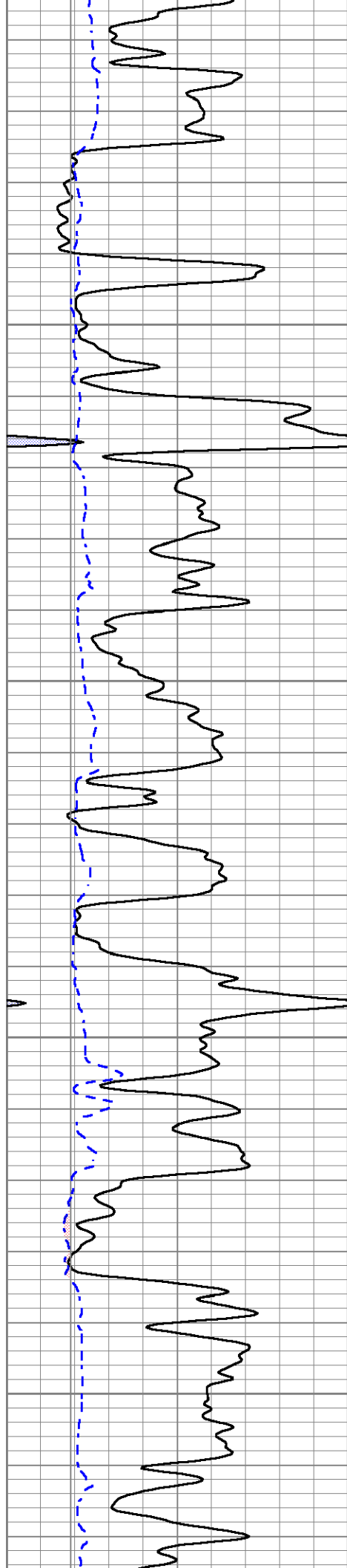
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900

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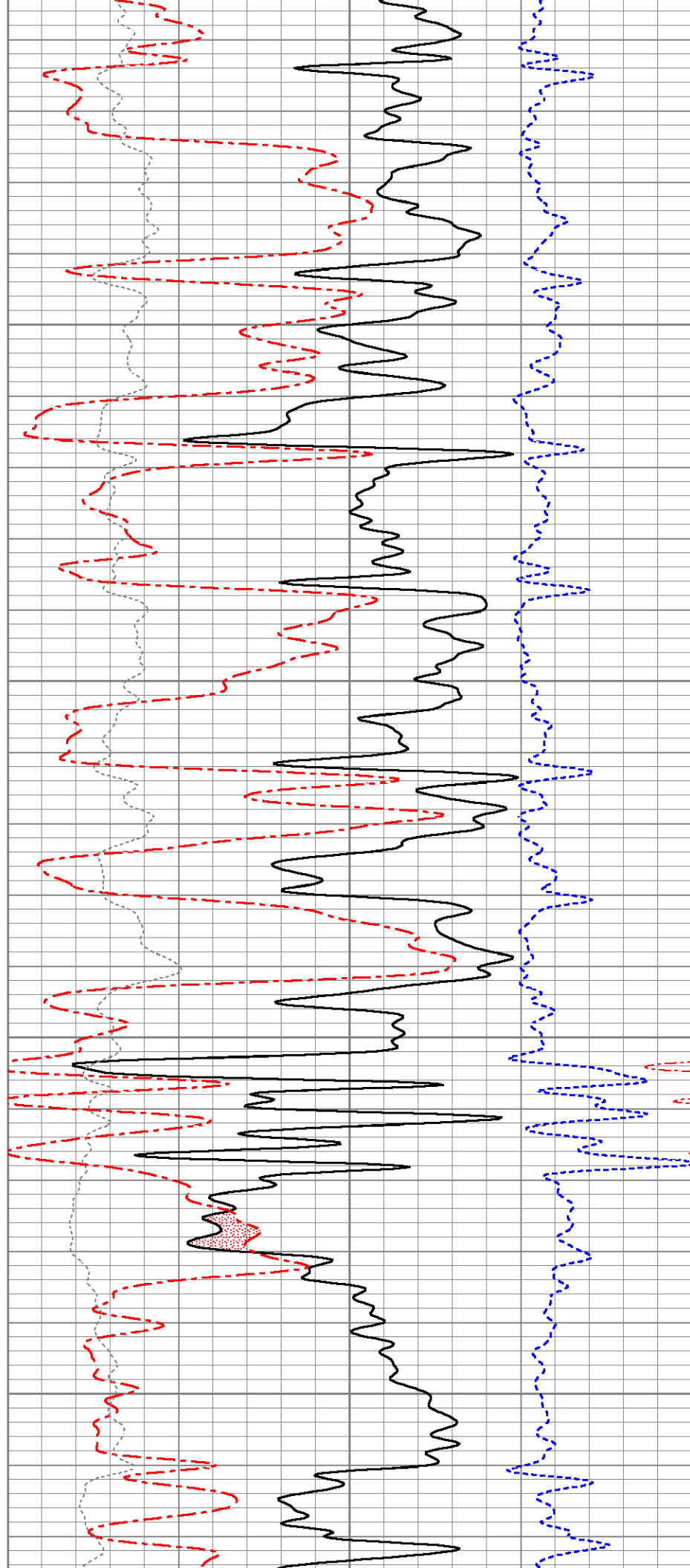


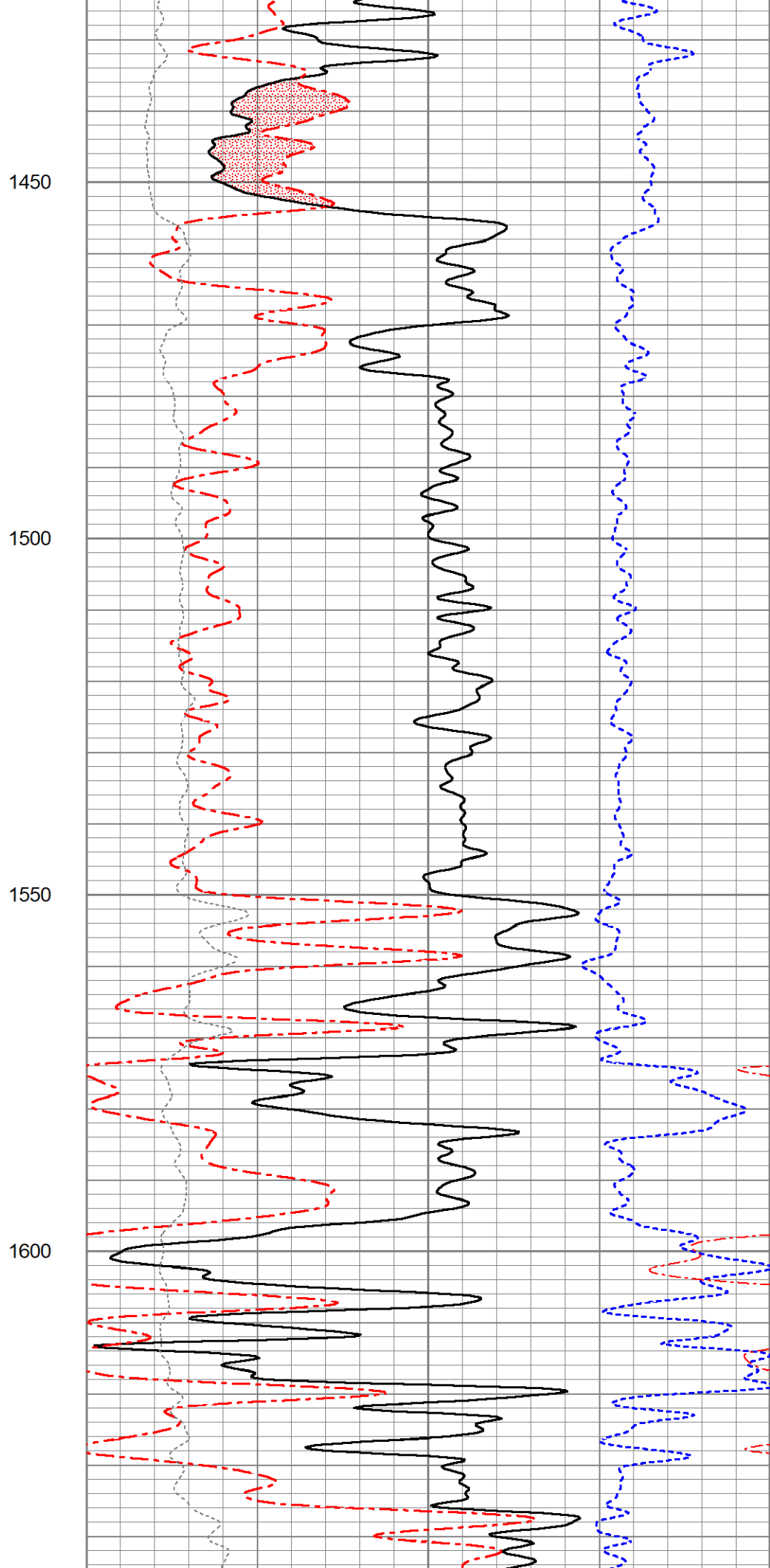
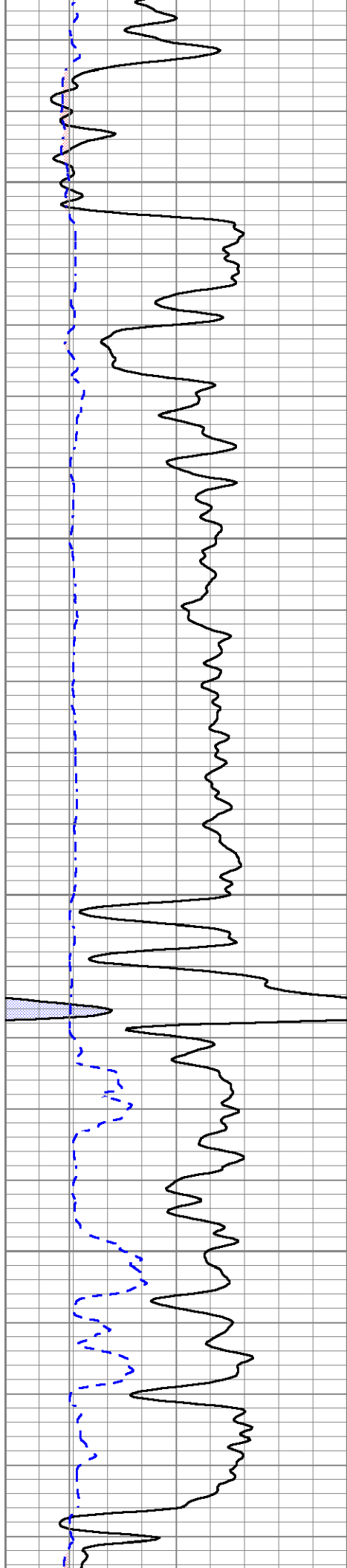
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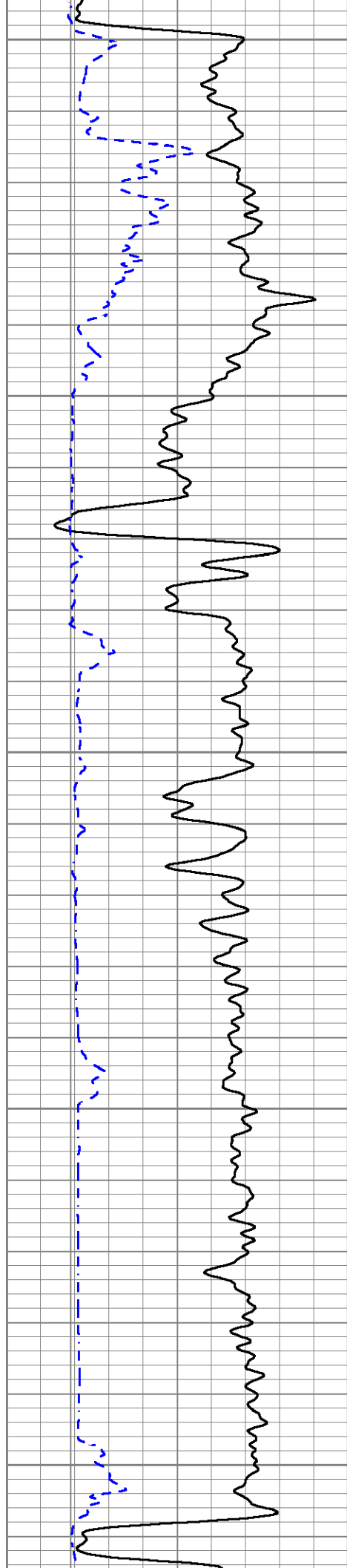
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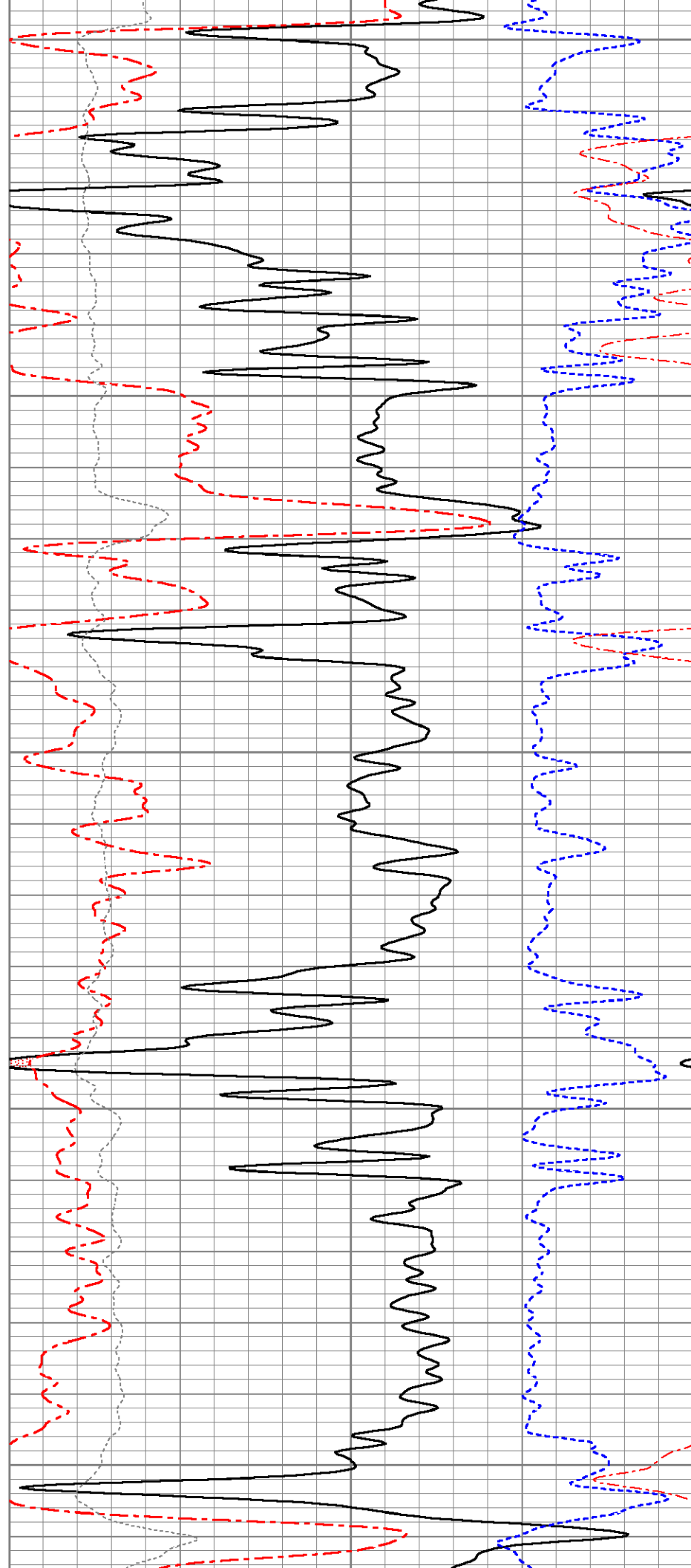
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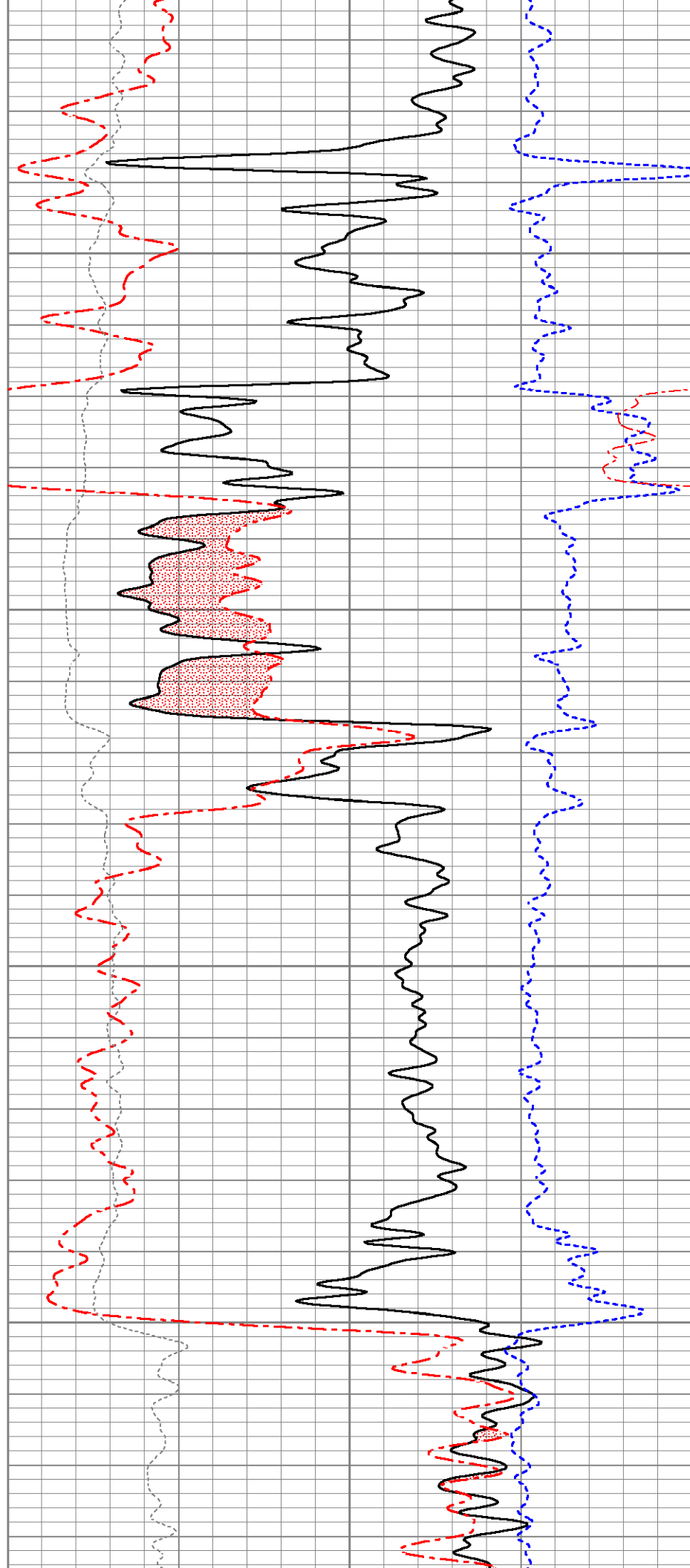


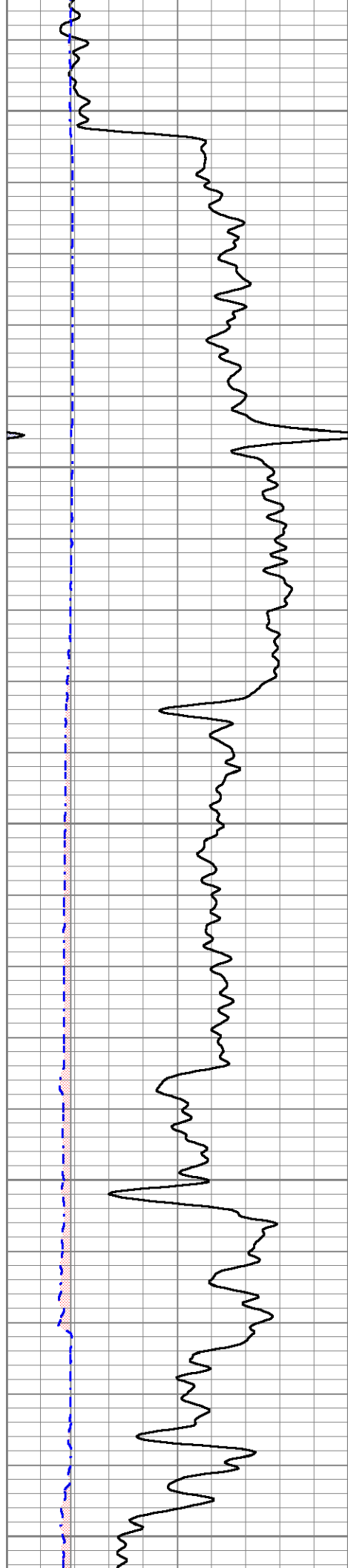
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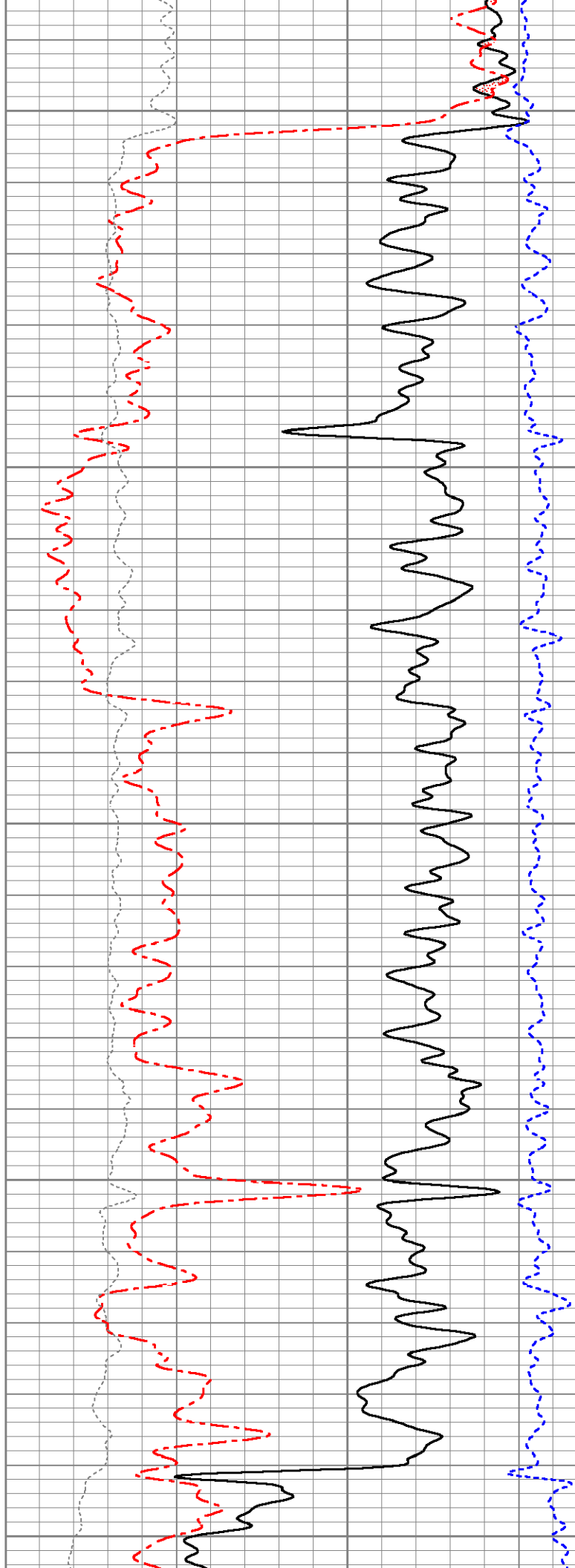
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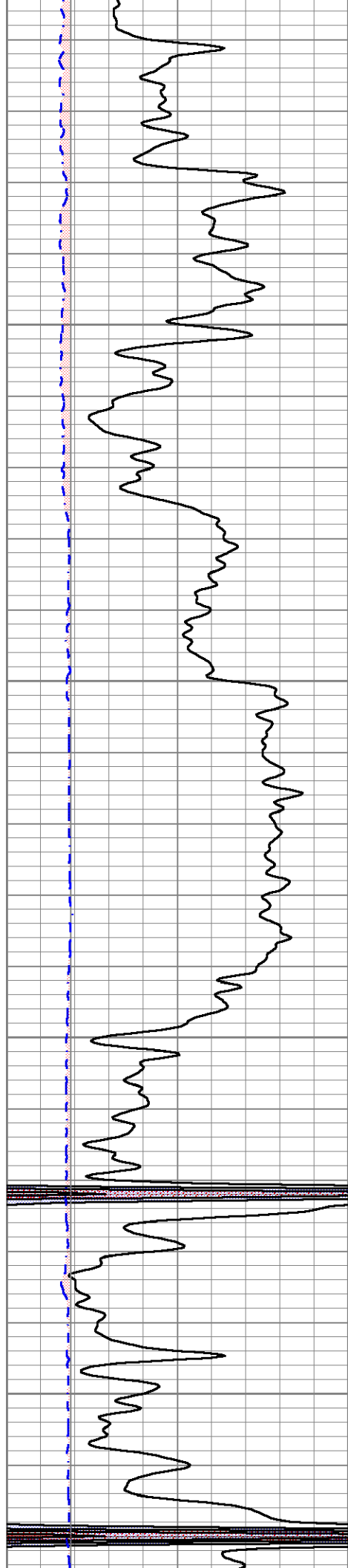
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2200

2250

2300



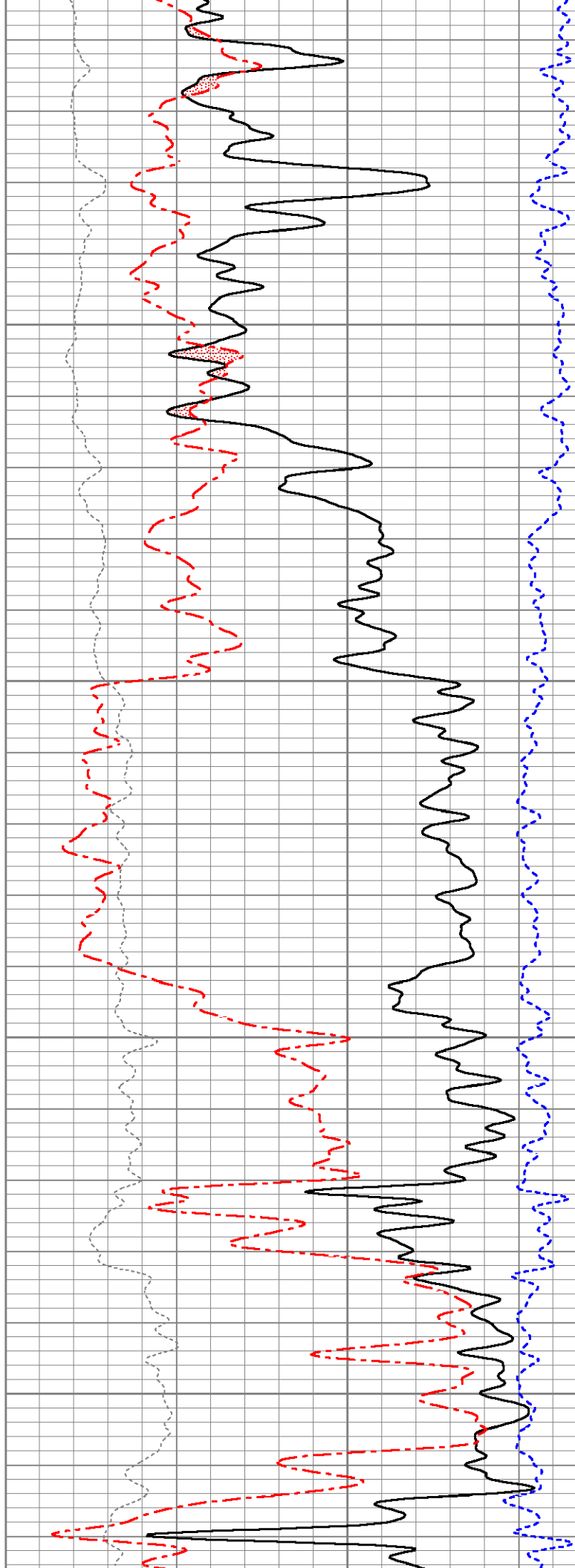


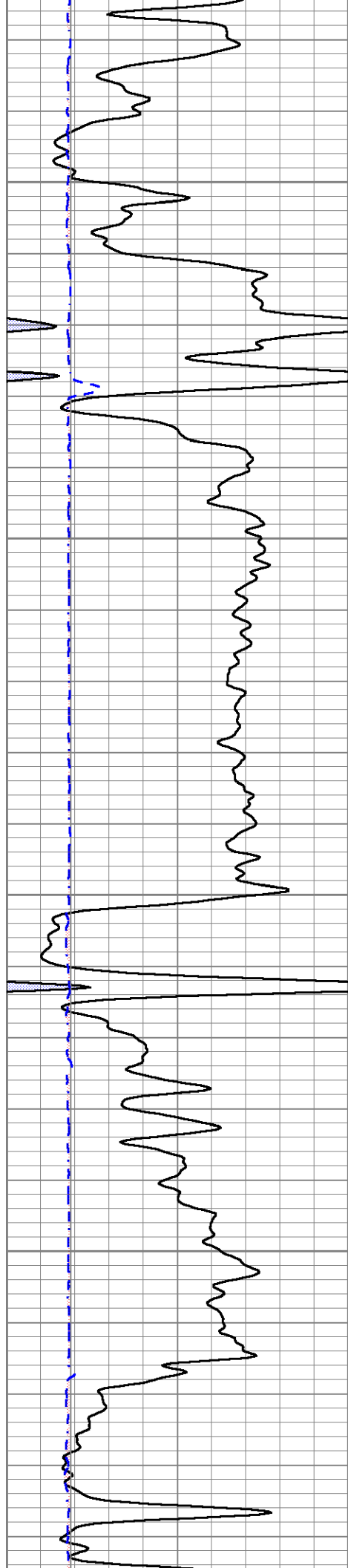
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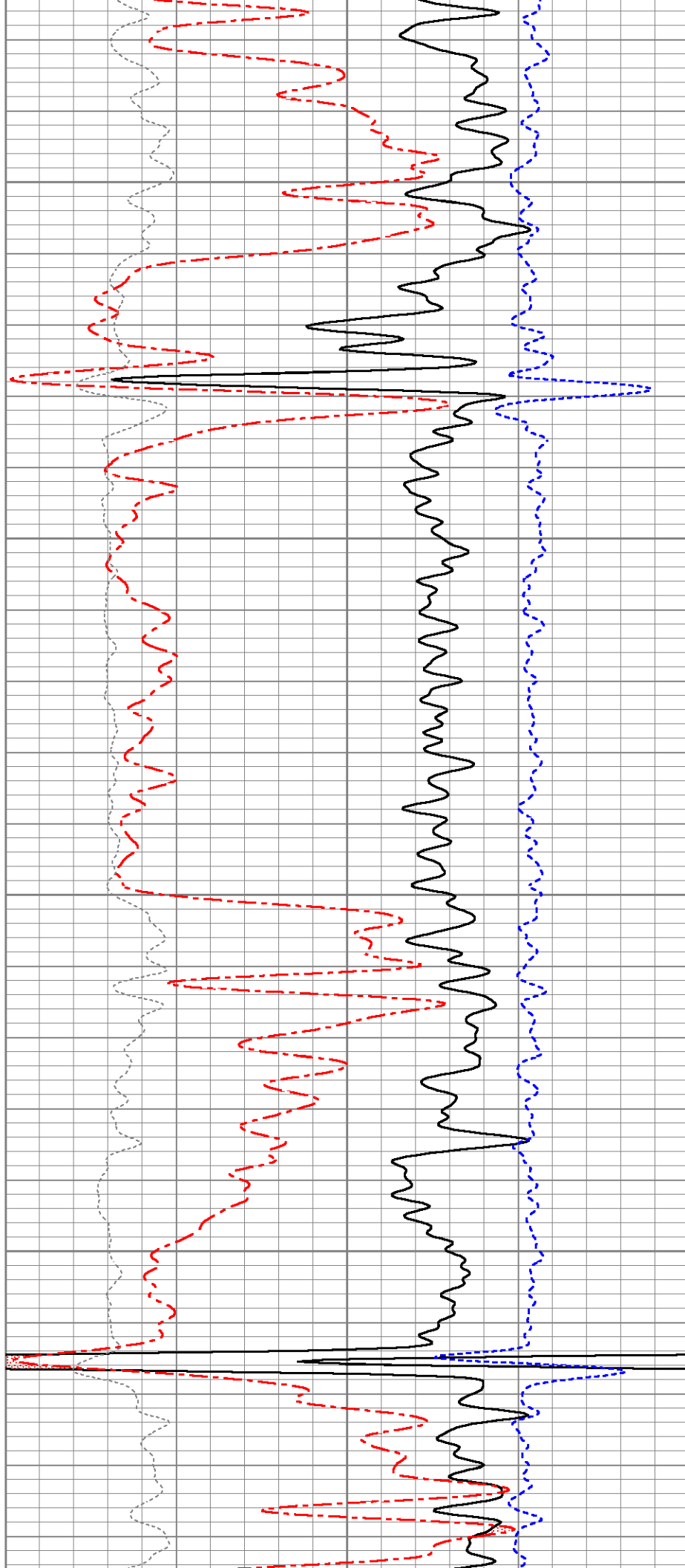


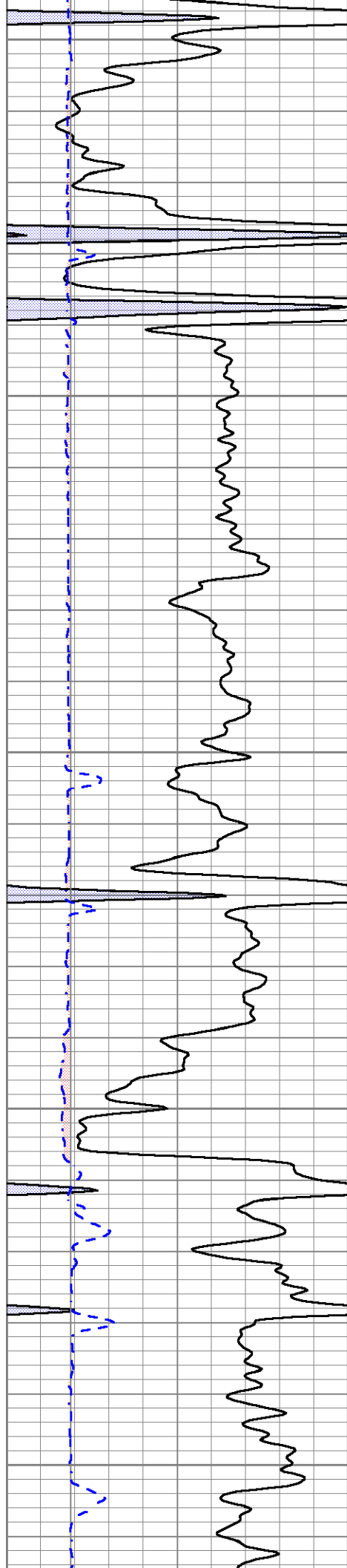
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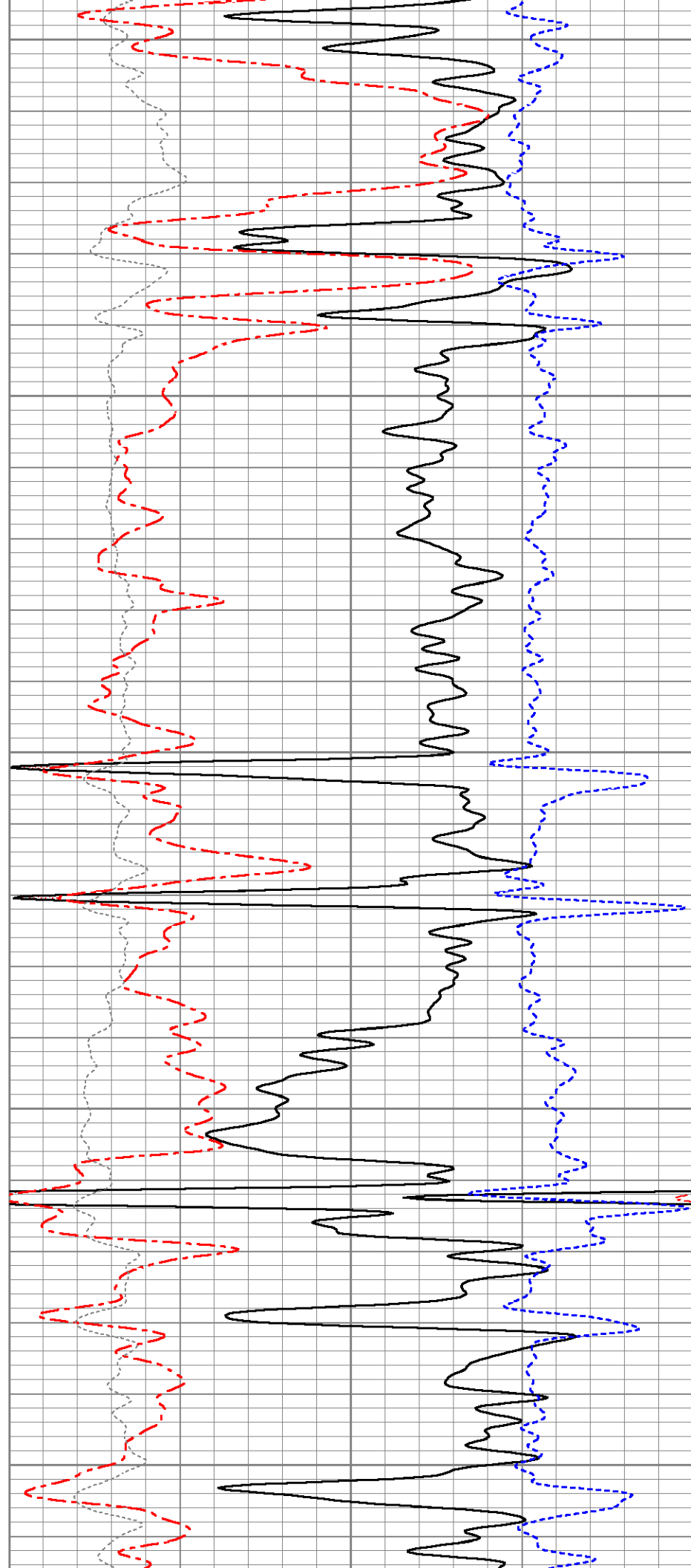
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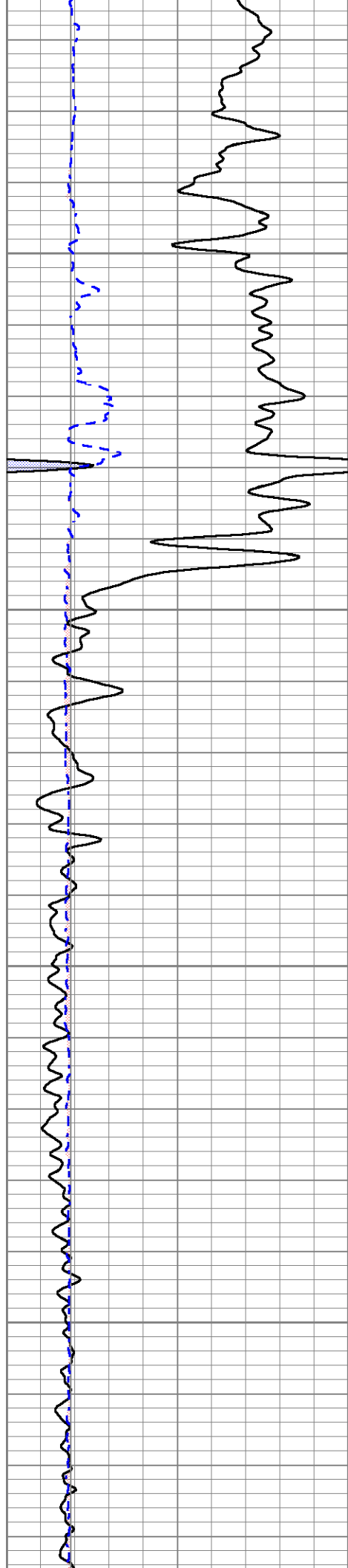
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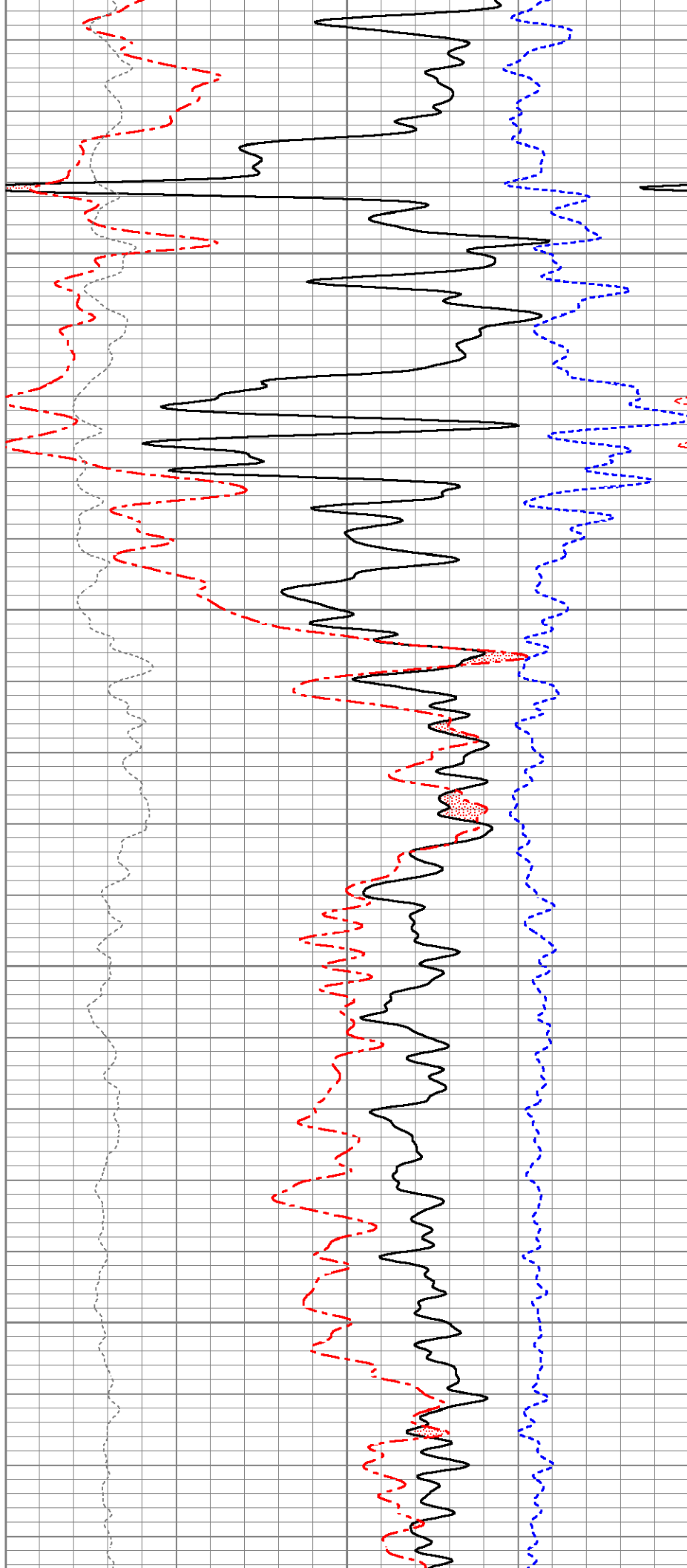


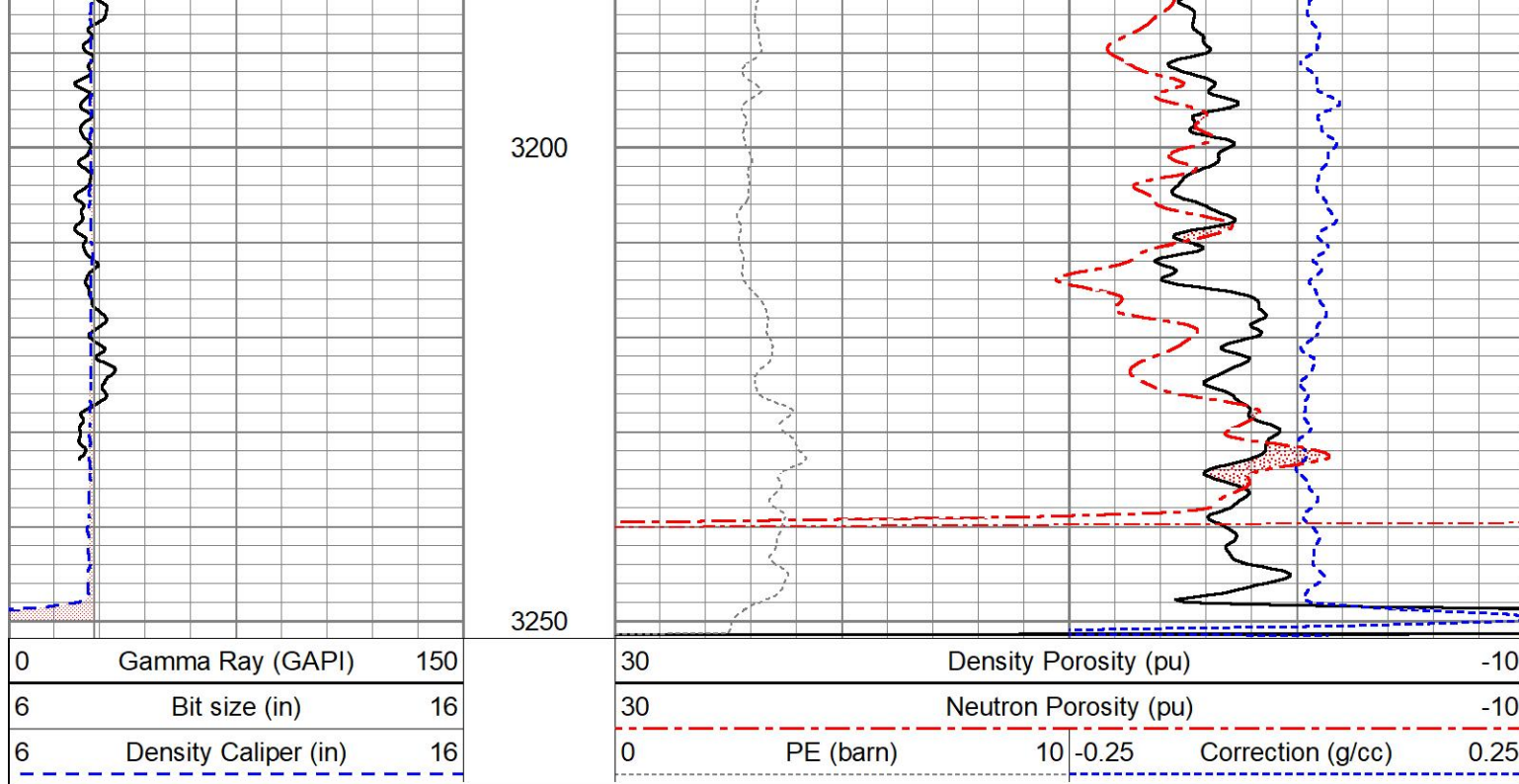
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3150

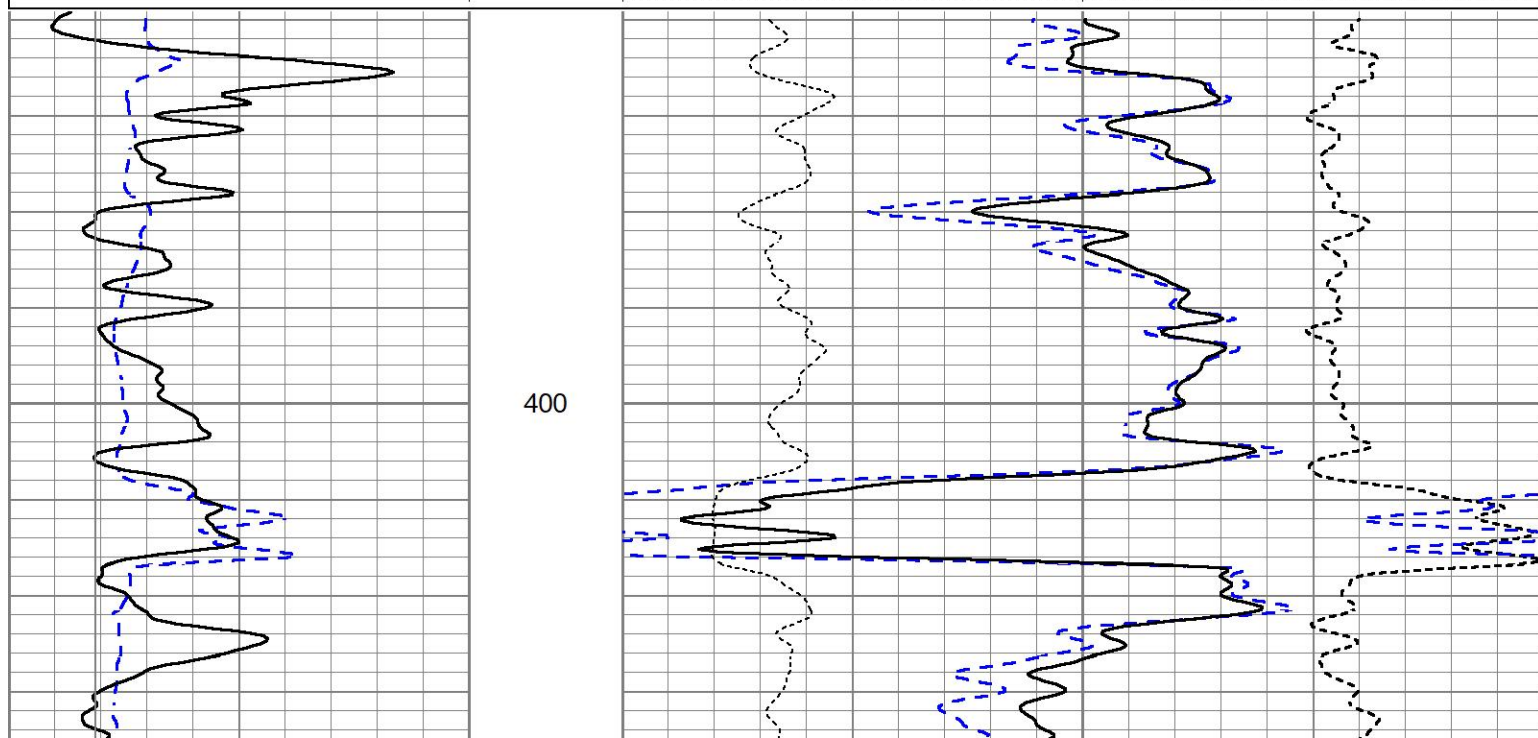


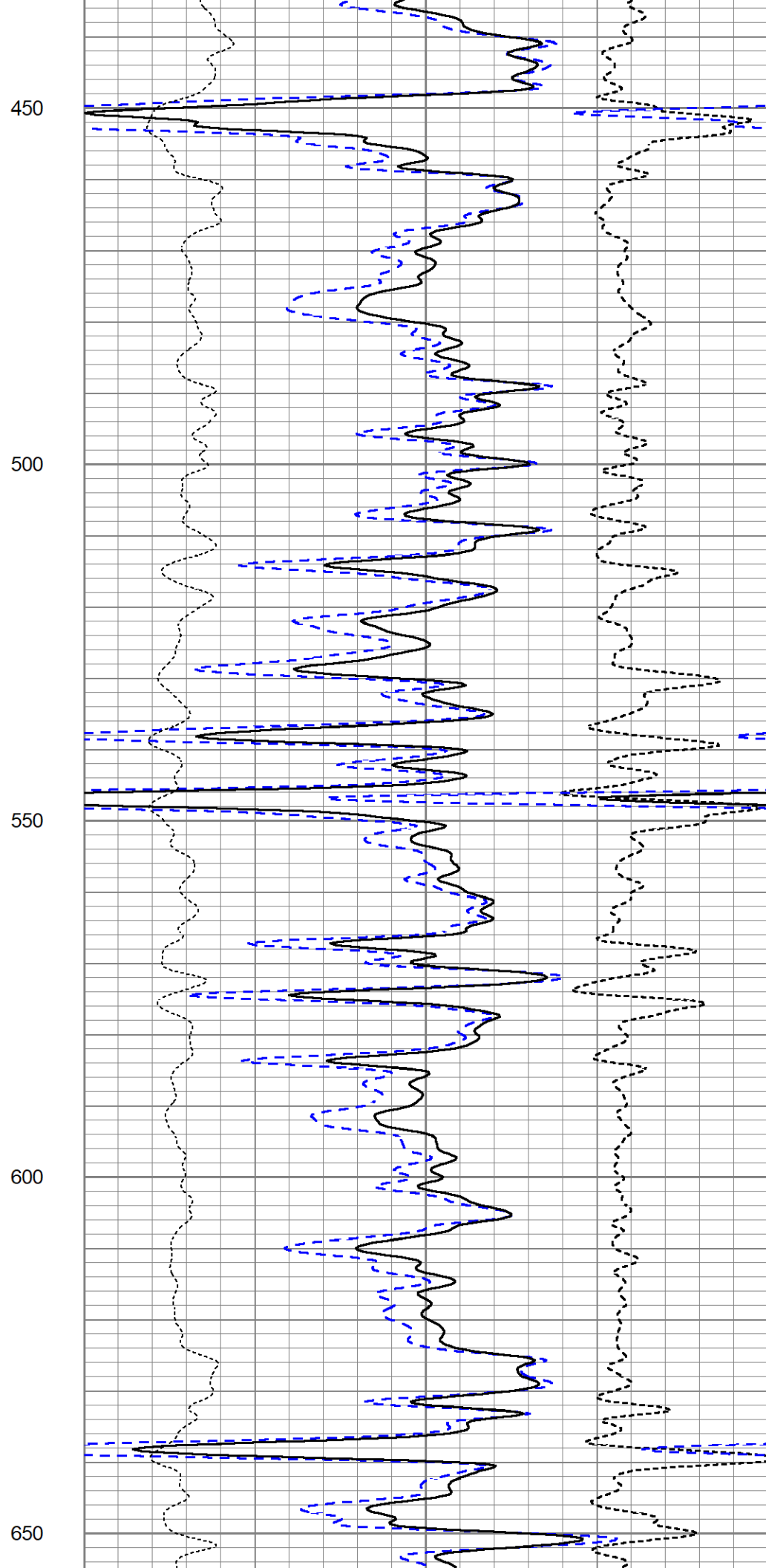
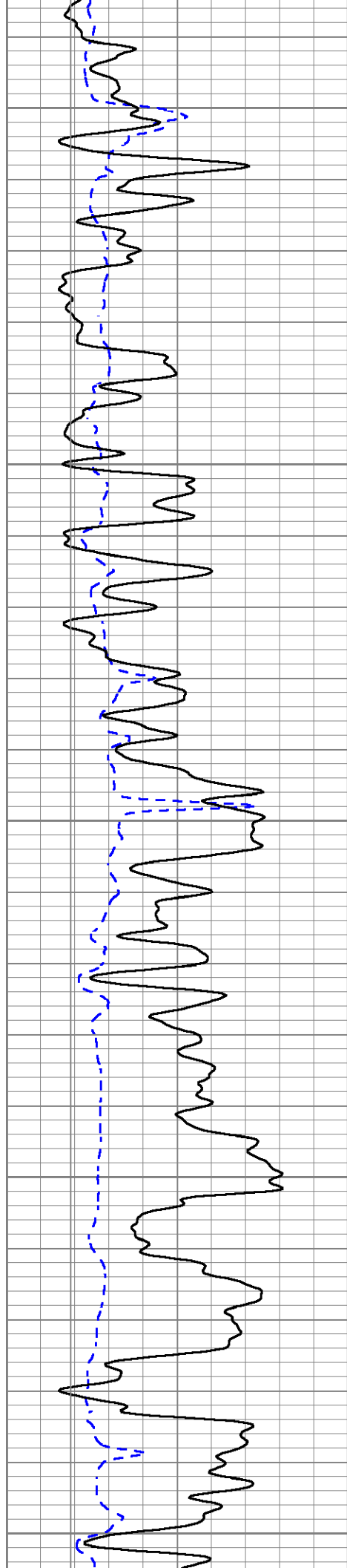


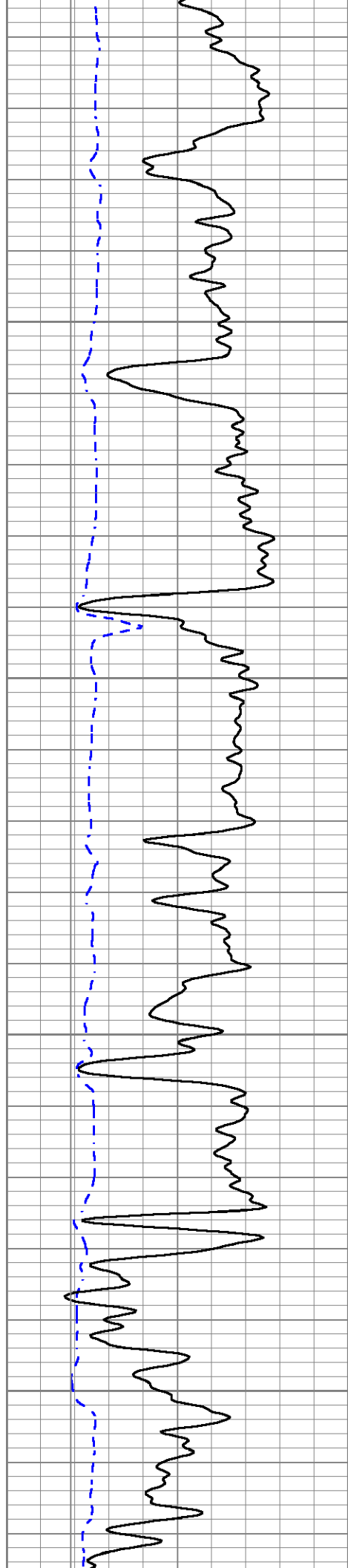
5" LITHO DENSITY LOG

Database File ow2-9336 val energy.db
Dataset Pathname pass3.3
Presentation Format stcdl-6-16_5
Dataset Creation Wed Apr 17 14:12:28 2024
Charted by Depth in Feet scaled 1:240

6	Density Caliper (in)	16	30	Density Porosity (pu)	-10
0	Gamma Ray (GAPI)	150	2	Bulk Density (g/cc)	3
6	Bit Size (in)	16	0	PE (barn)	10 -0.25
				Correction (g/cc)	0.25





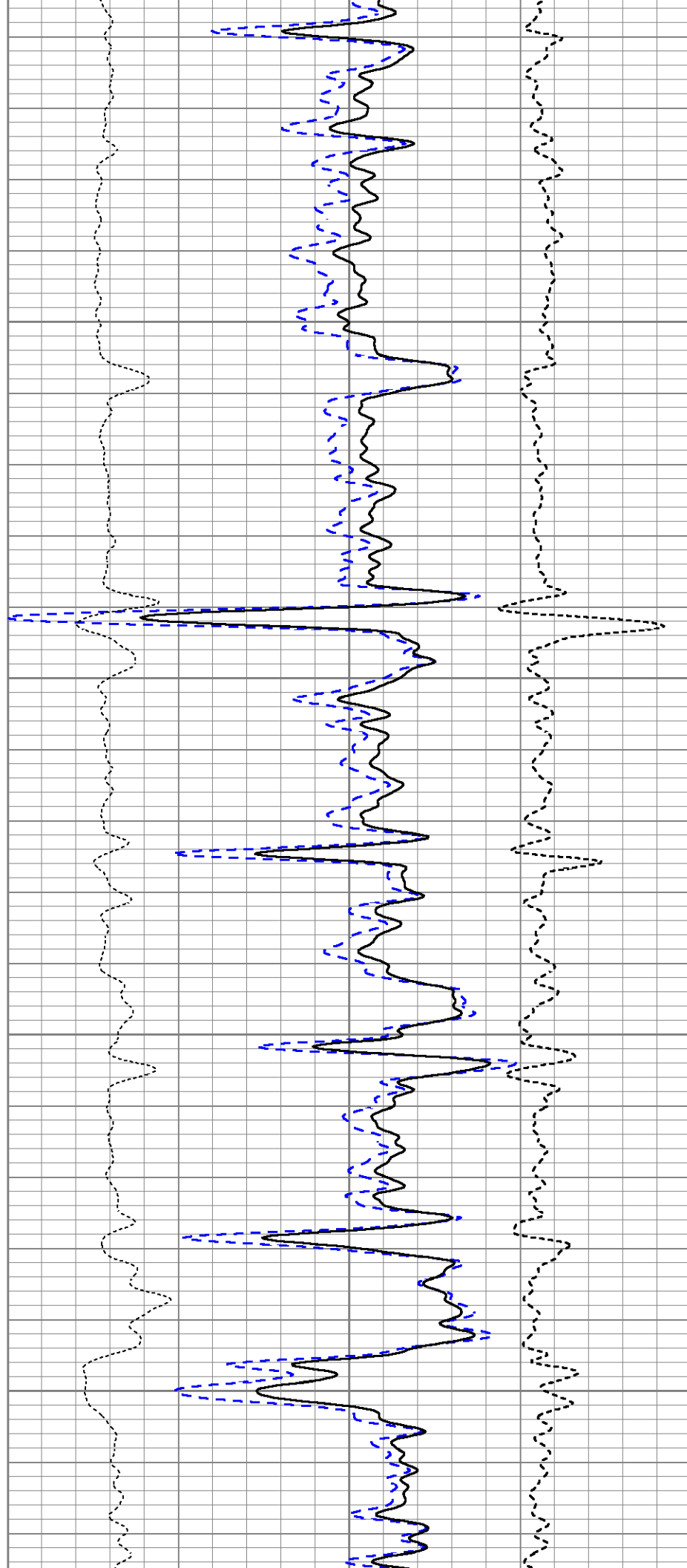


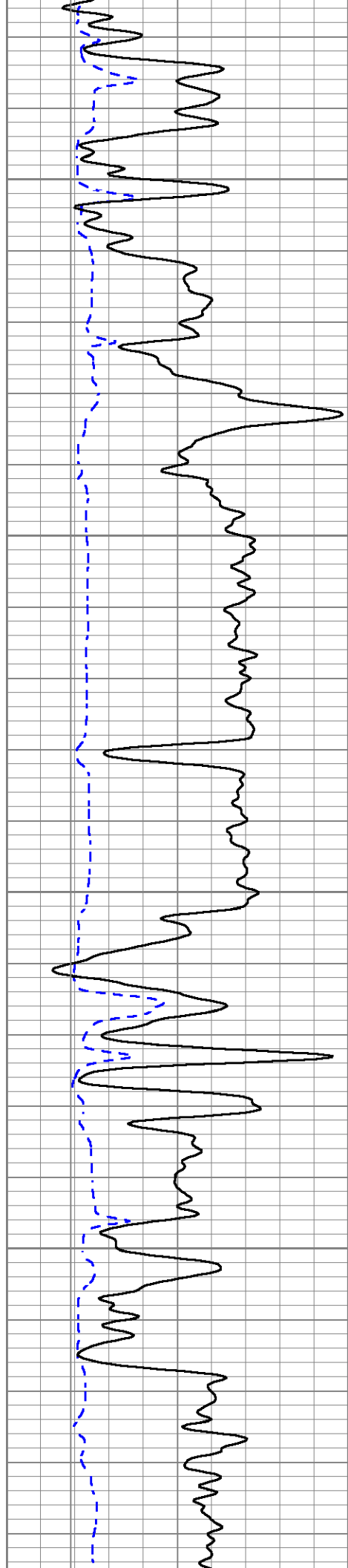
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800

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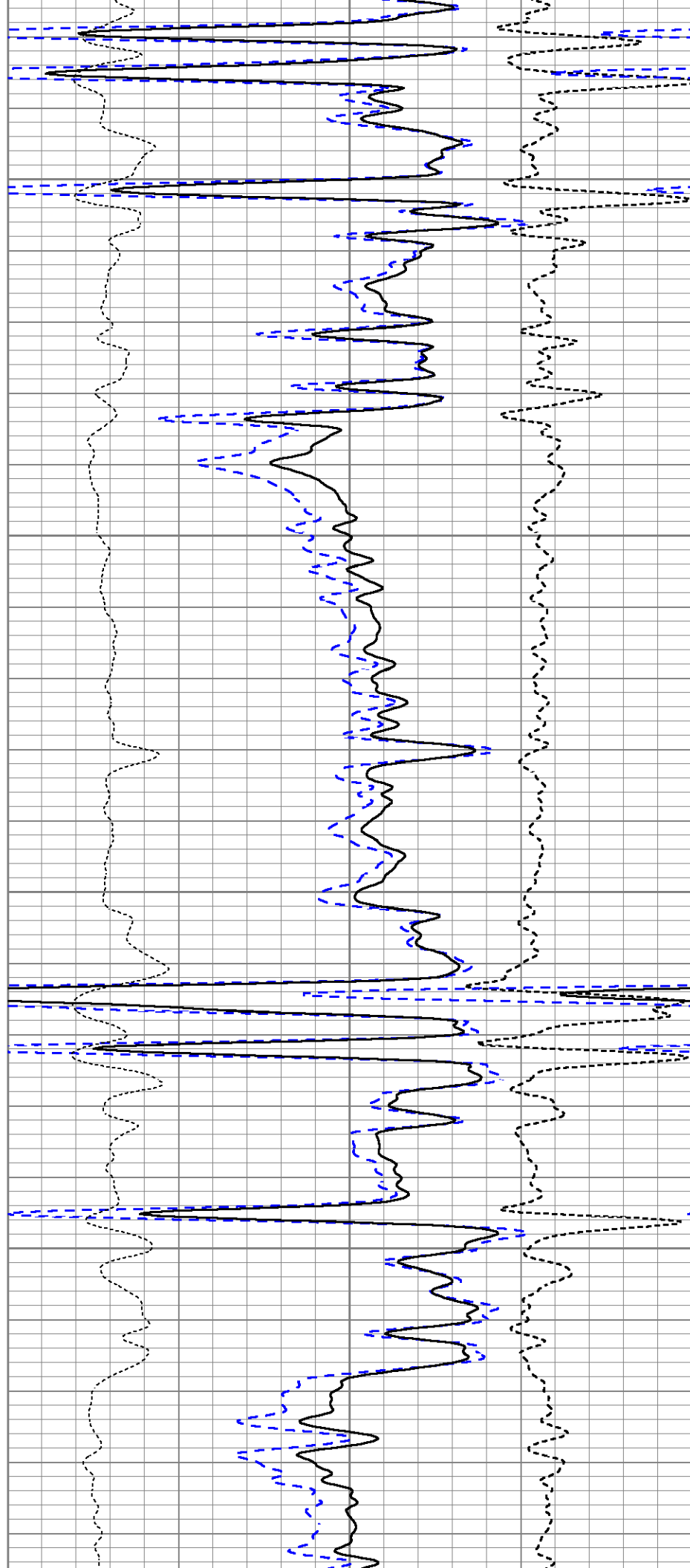


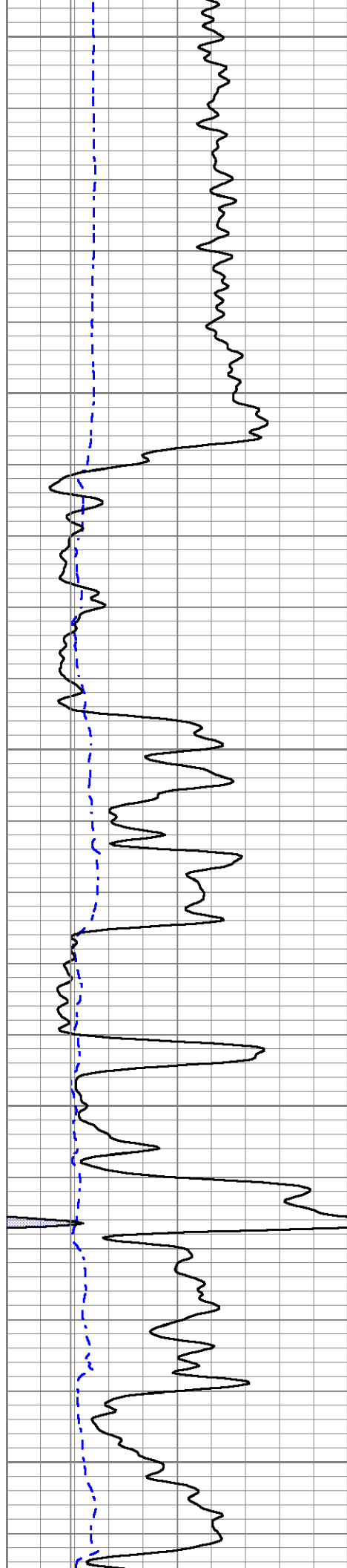
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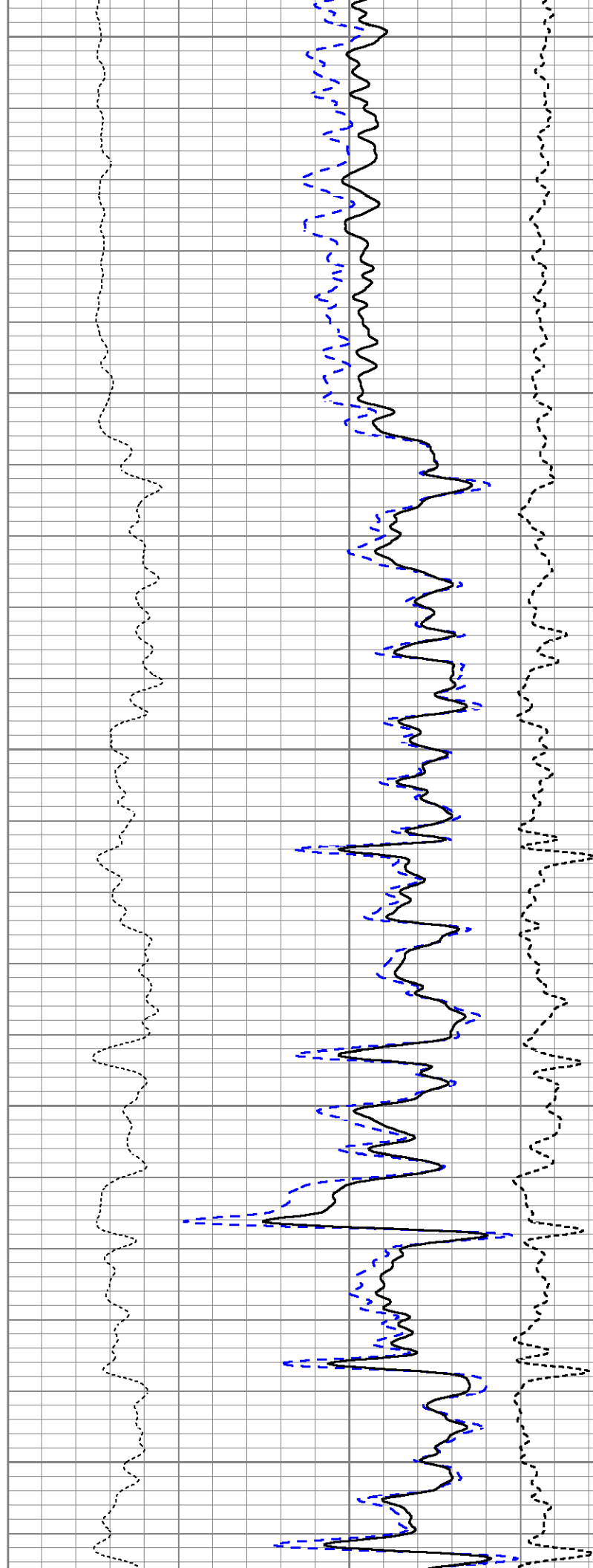
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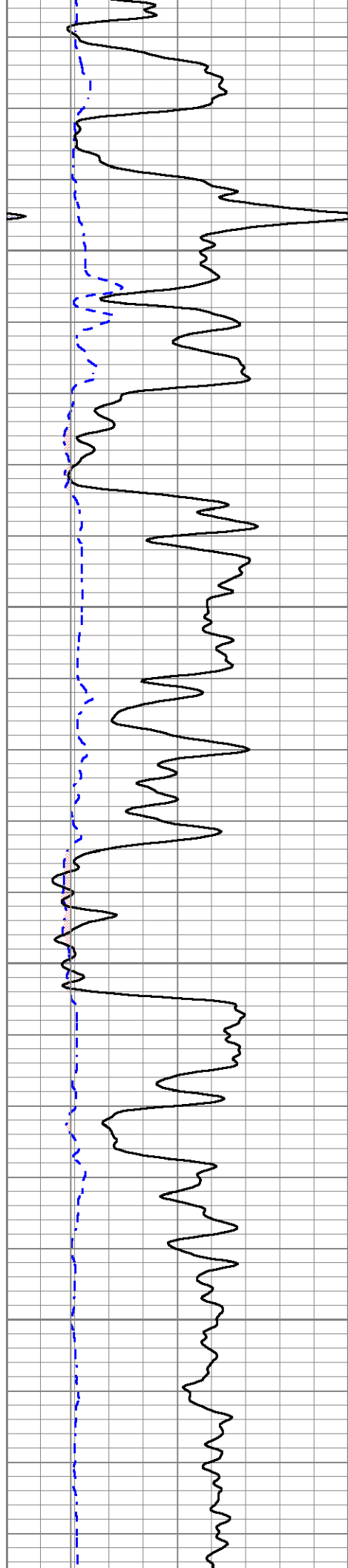
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1250

1300



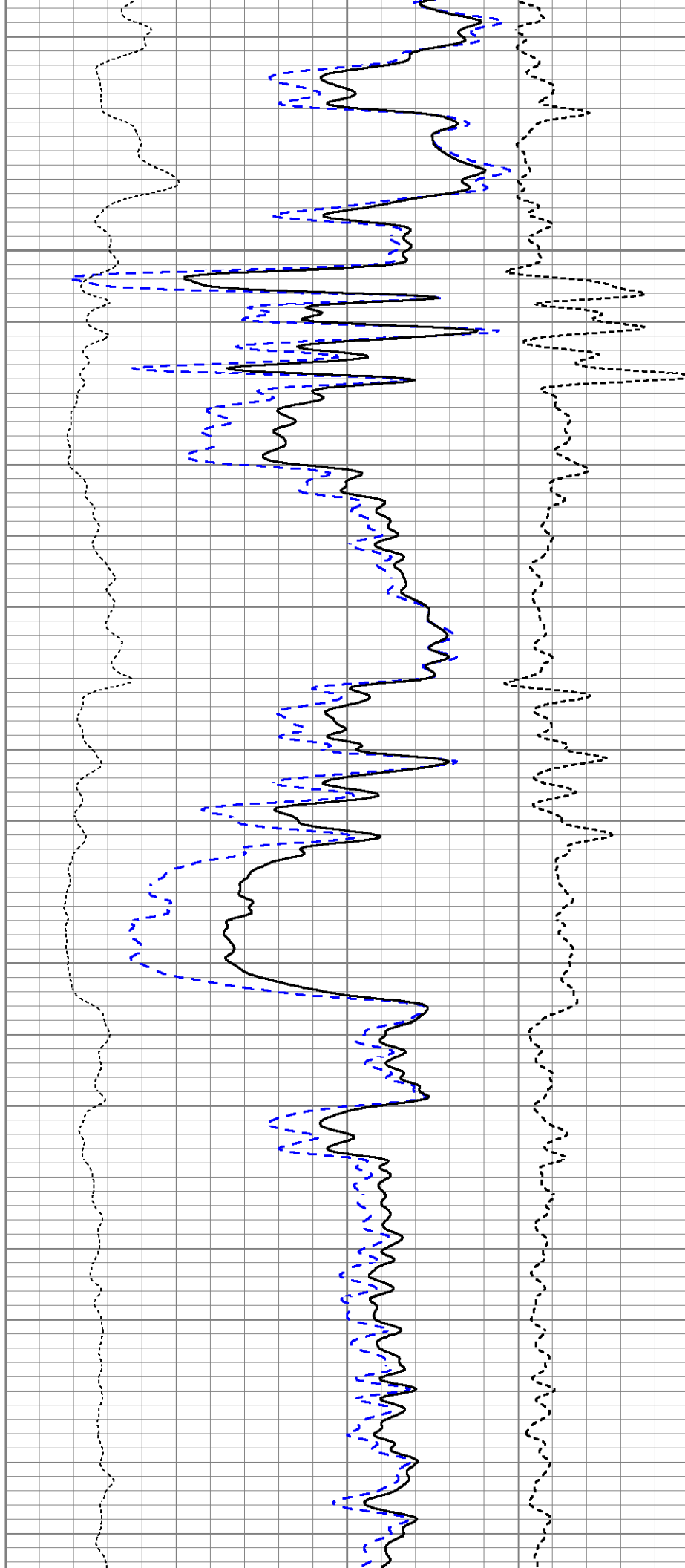


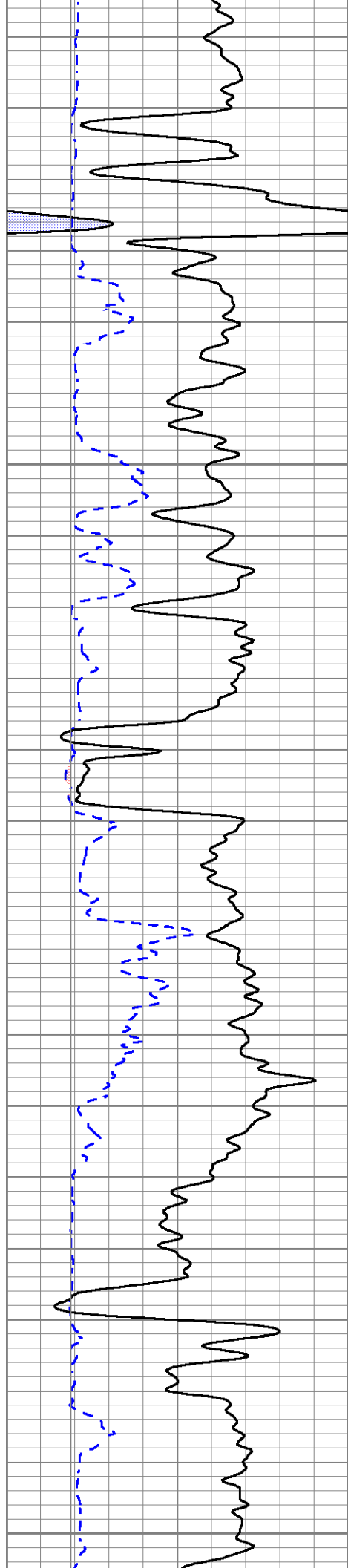
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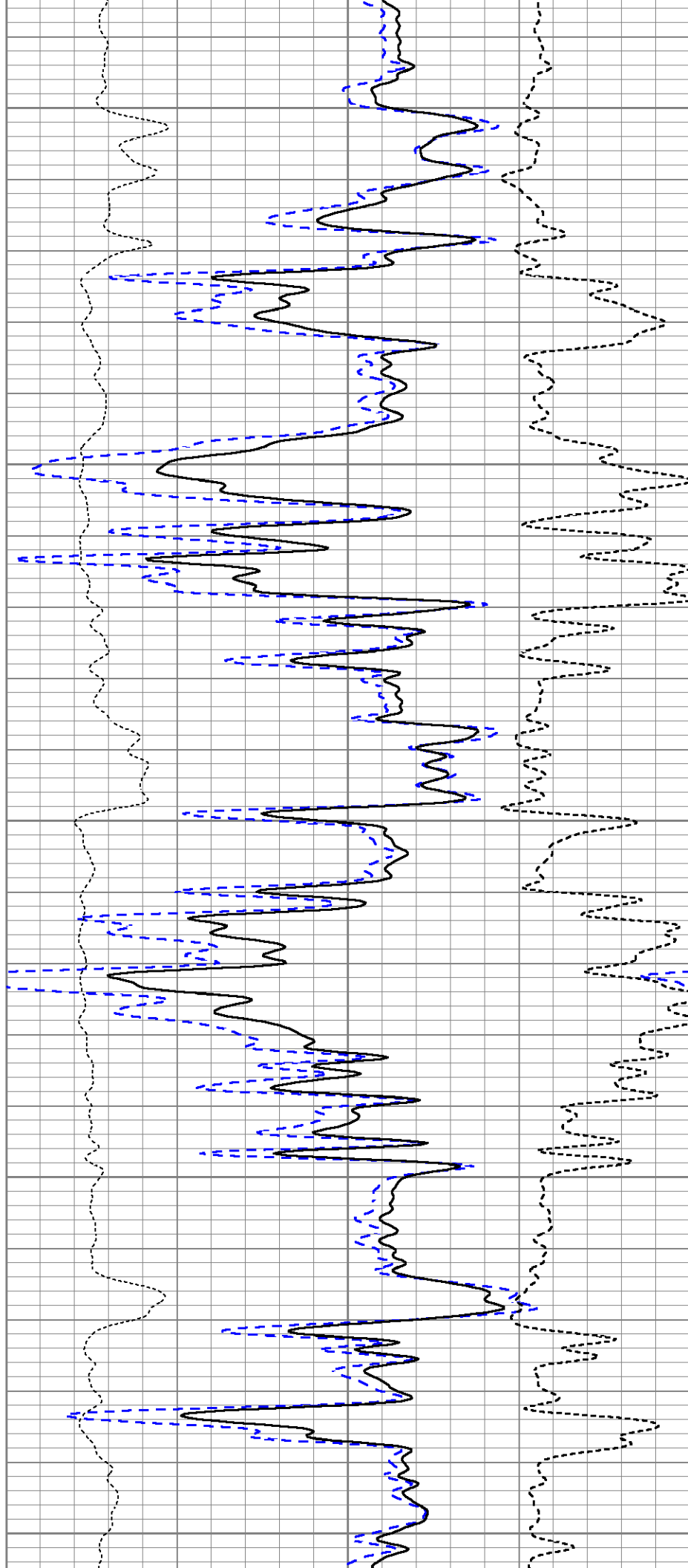
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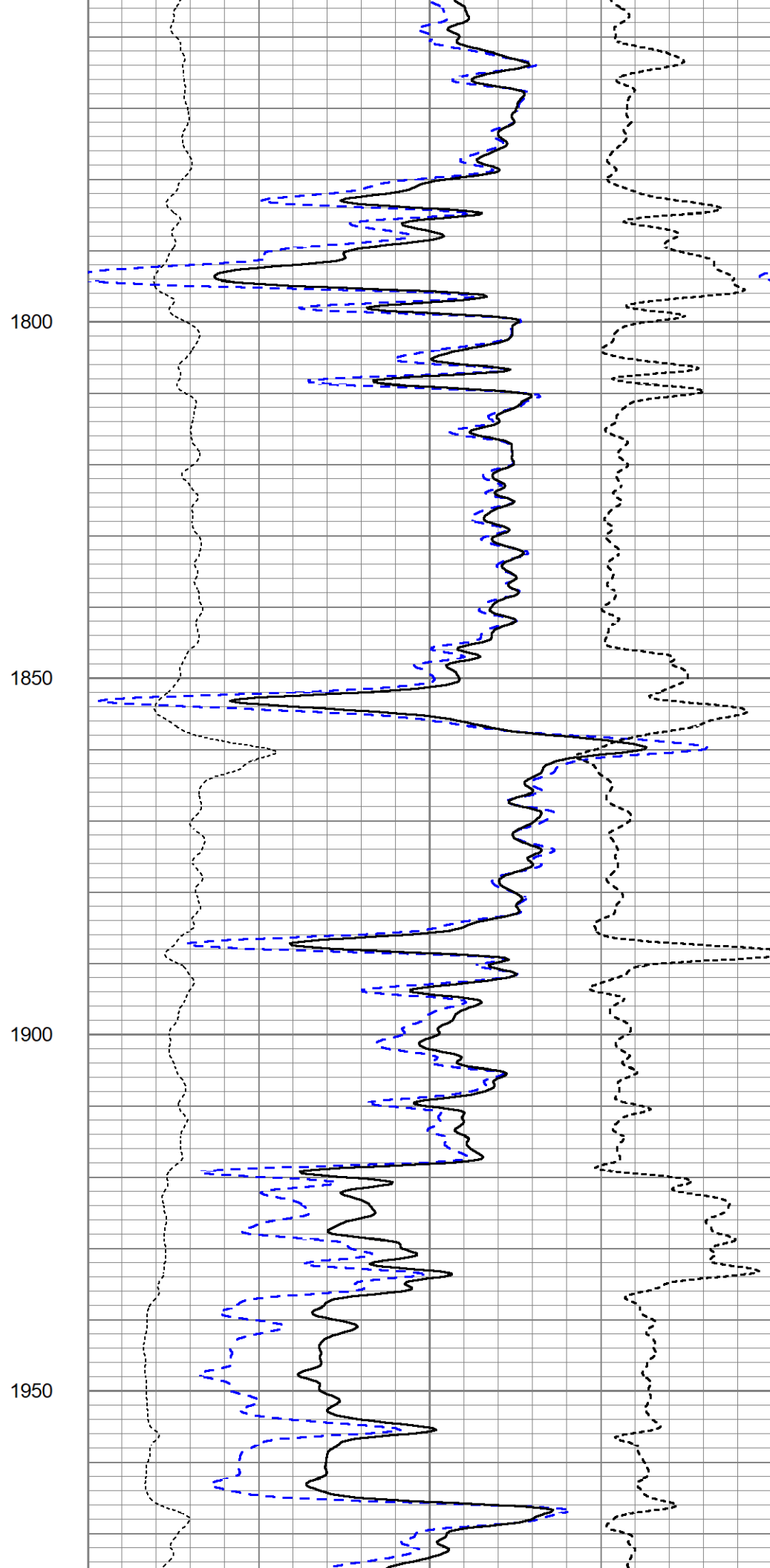
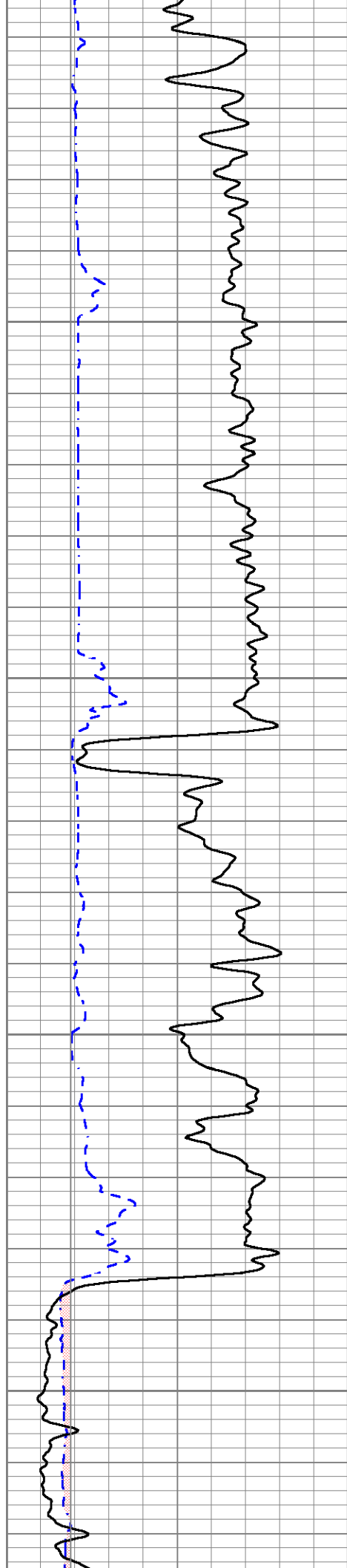
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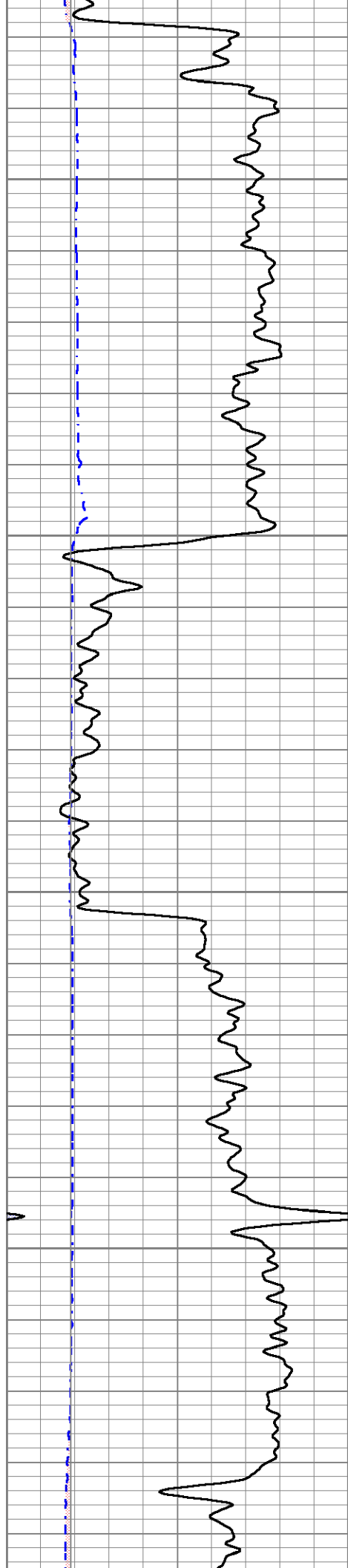
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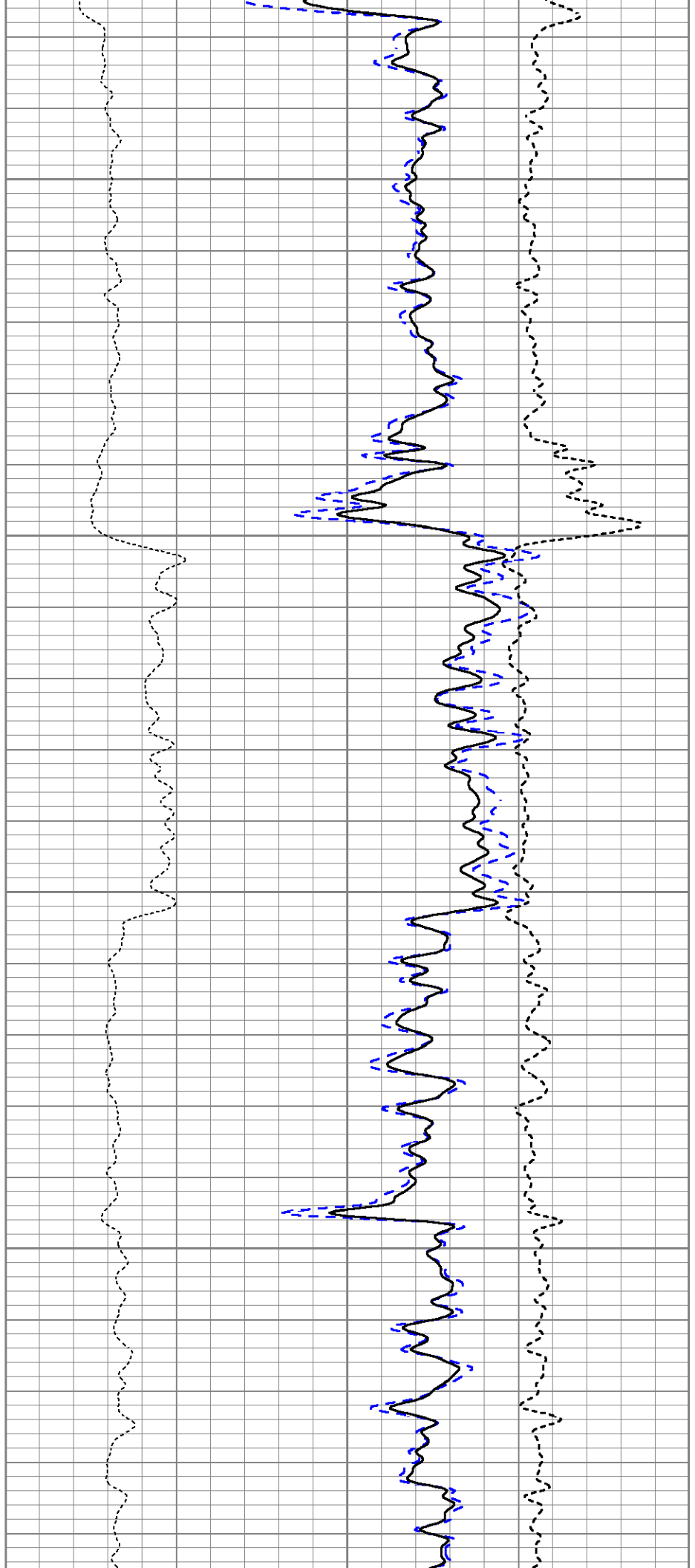


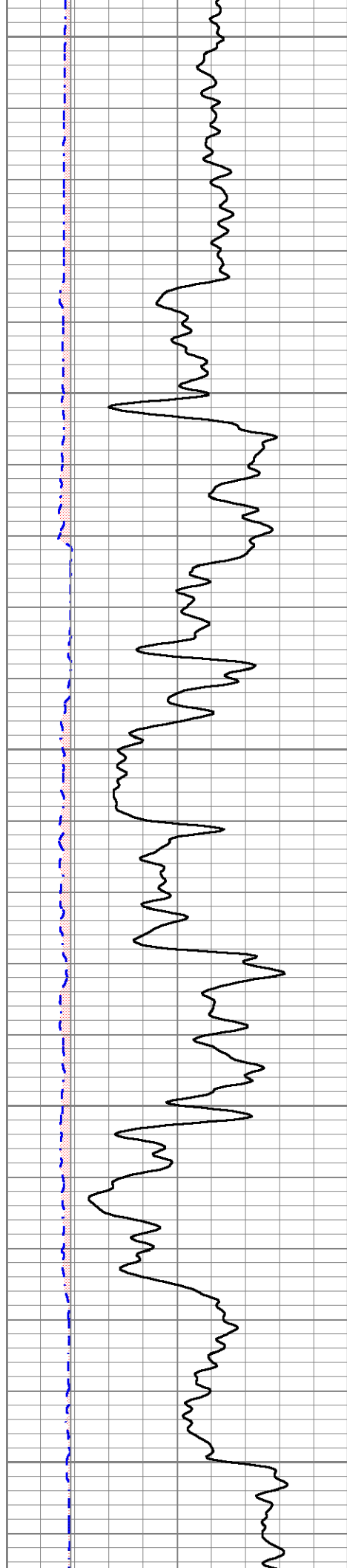
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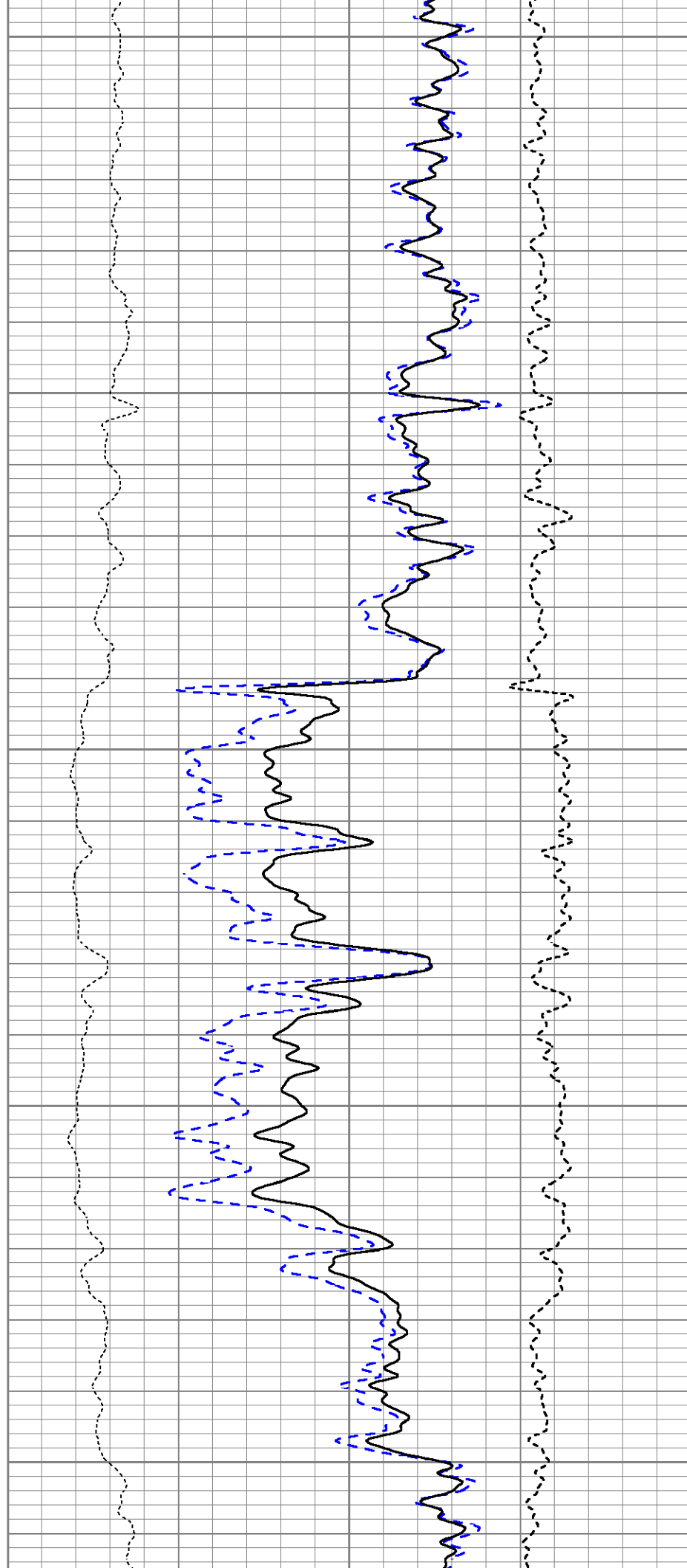
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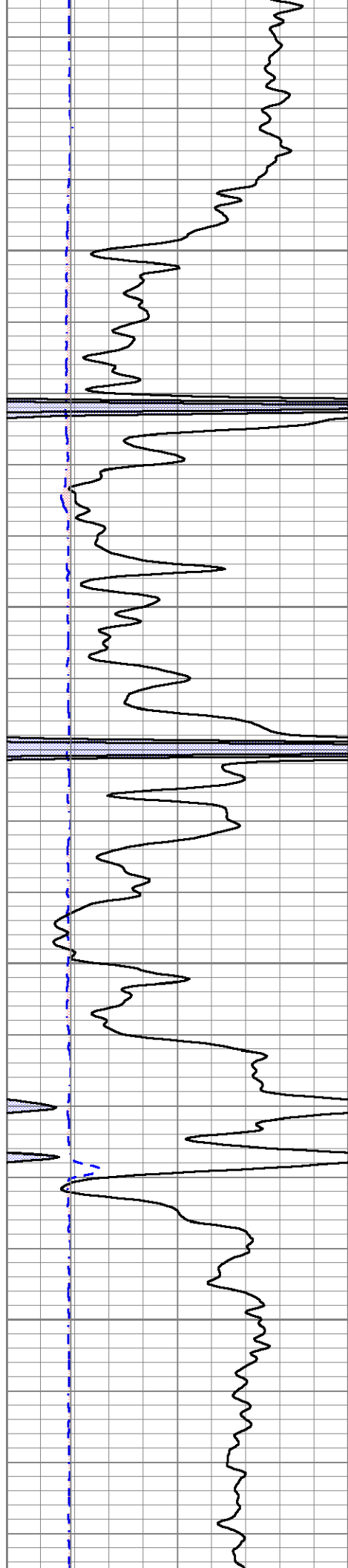
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2350

2400



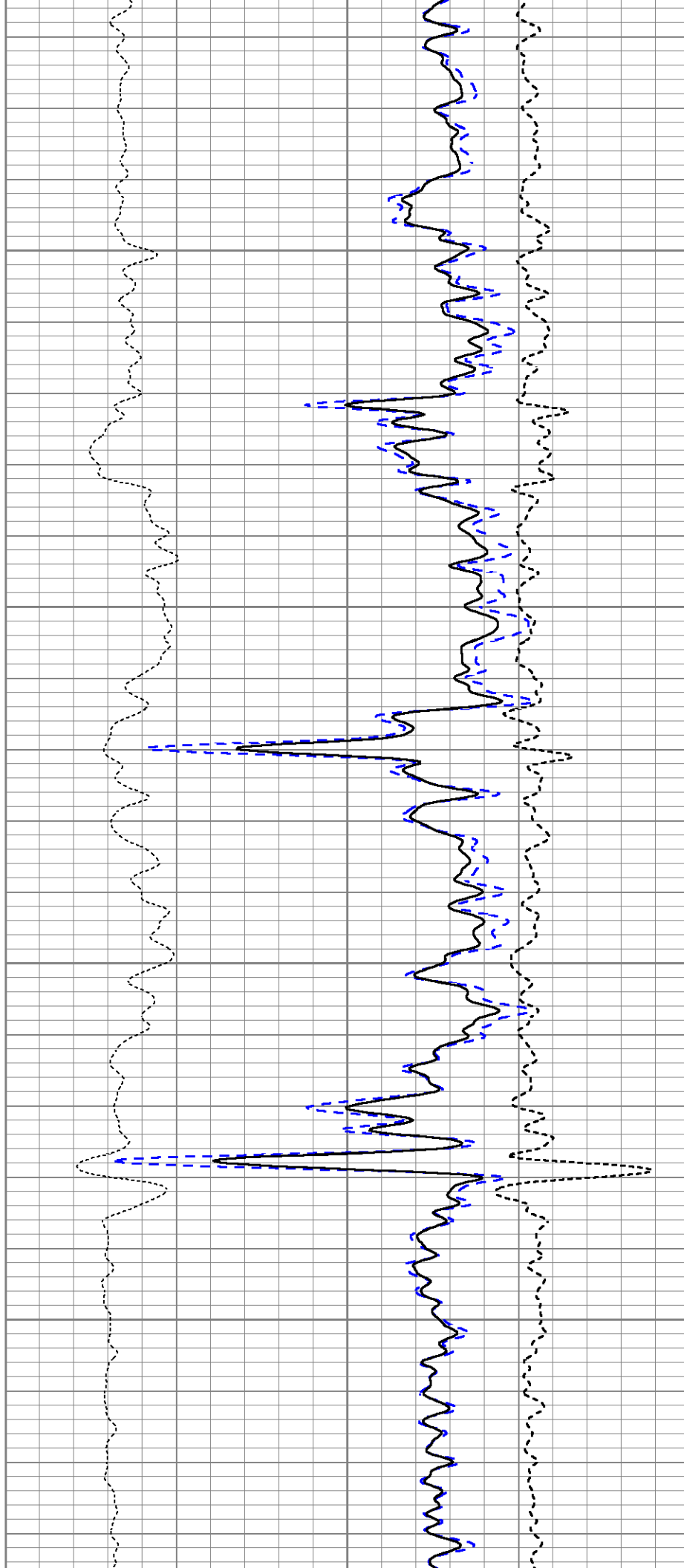


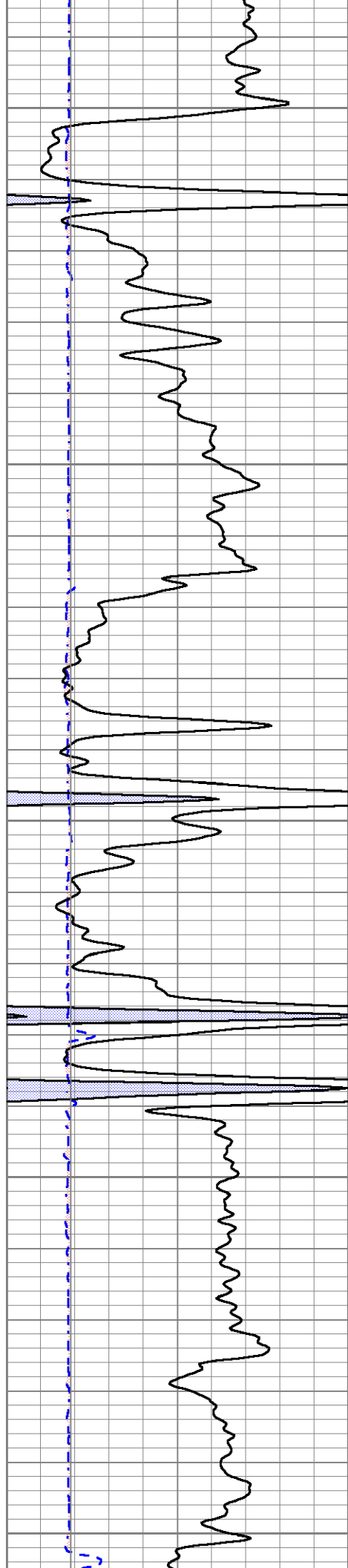
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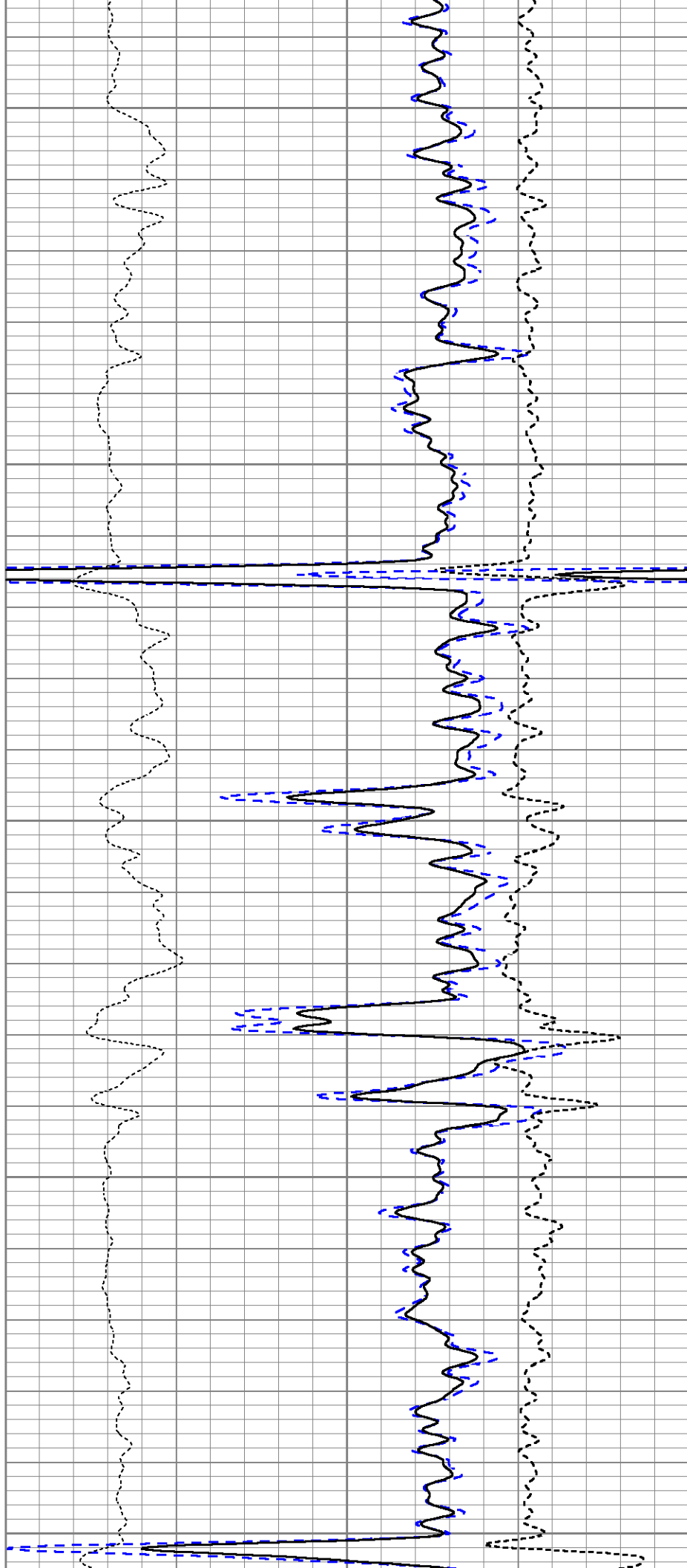
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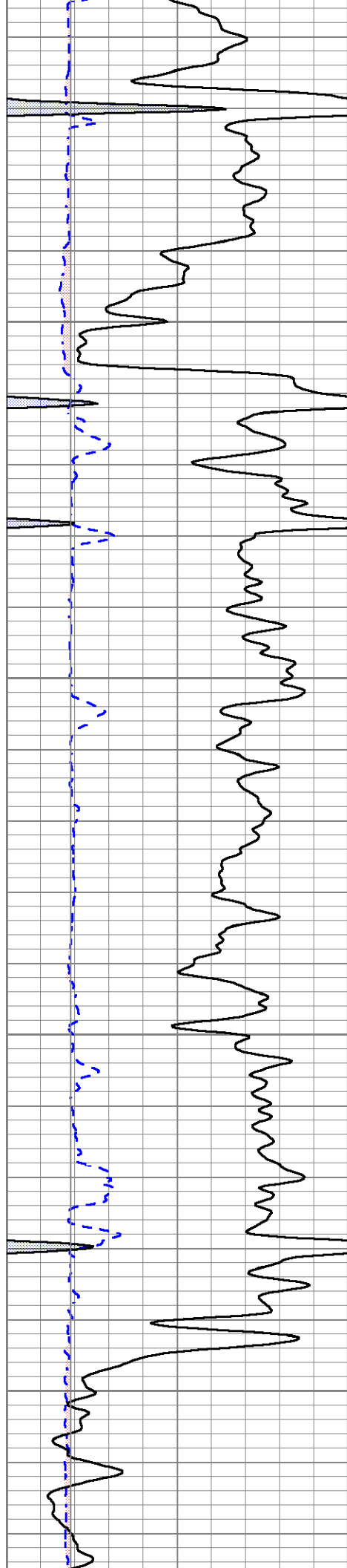
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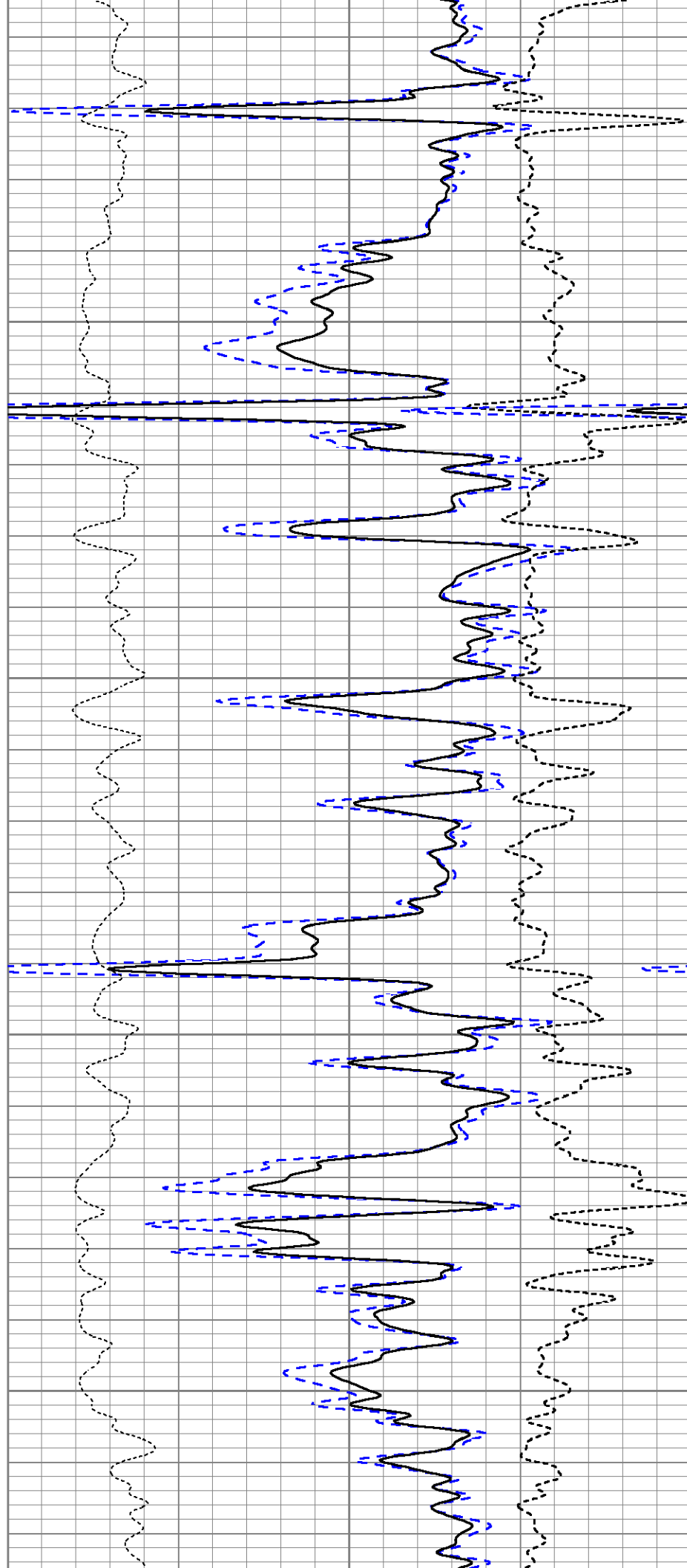


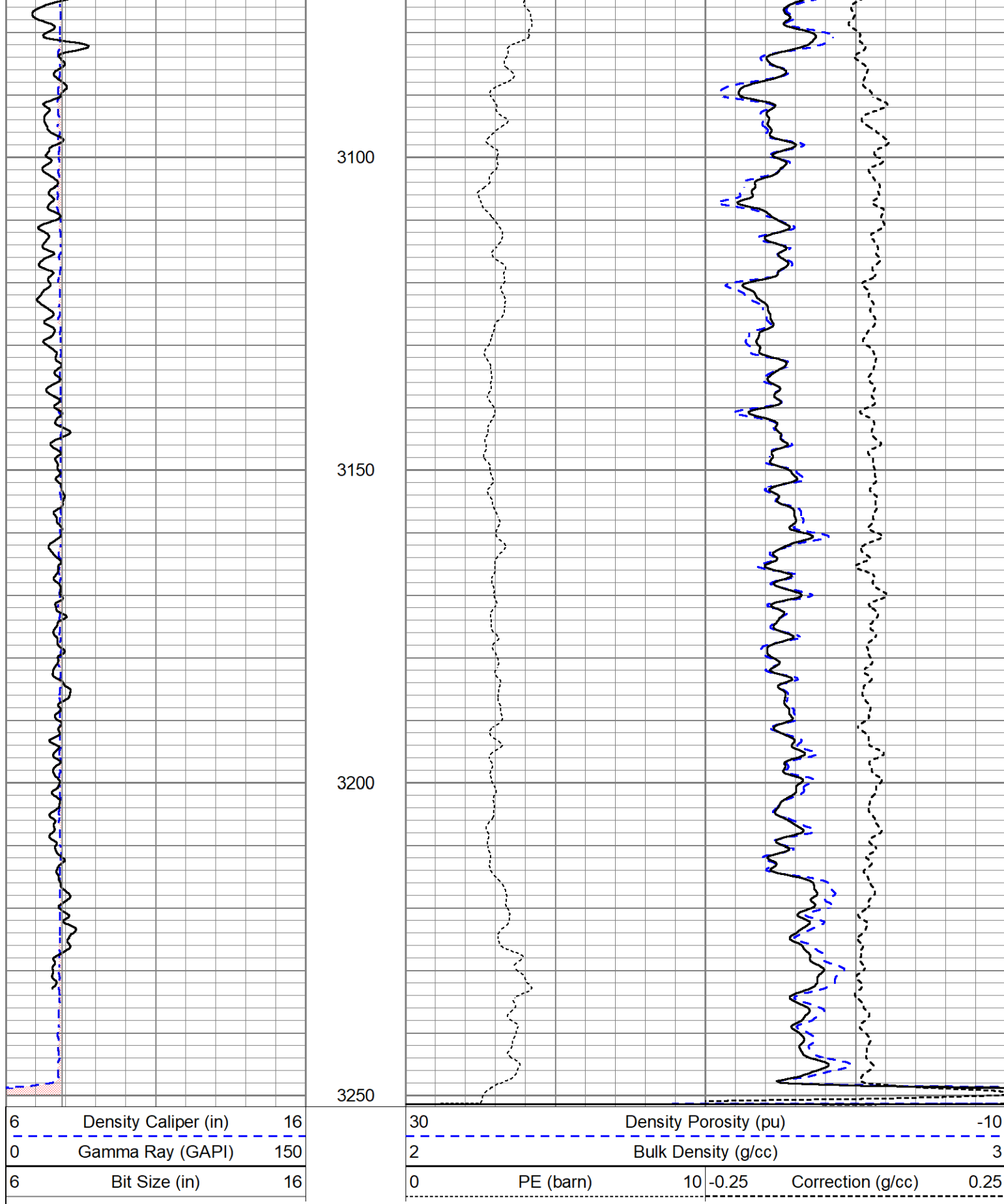
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2950

3000

3050





Calibration Report

Database File ow2-9336 val energy.db
Dataset Pathname pass3
Dataset Creation Wed Apr 17 13:09:07 2024

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	6524.78	7181.03	cps
Aluminium	2.610	g/cc	1628.34	3804.52	cps
Aluminium+Sleeve	2.617	g/cc	1573.82	3663.52	cps
Spine Angle = 65.41			Density/Spine Ratio = 0.590		
	PE		NLITH	NHARD	
Magnesium	1.970	barn	4994.72	4344.49	cps
Aluminium	2.530	barn	1090.27	1231.36	cps
Aluminium+Sleeve	3.832	barn	905.22	1217.67	cps
M = 0.584			B = -0.153	R = 0.975	
	Size		Reading		
Small Ring	7.40	in	2.70	V	
Large Ring	12.25	in	6.71	V	

Neutron Calibration Report

Serial Number:	(YELLOW 0600 011 NEUTRON DOOR)				
Tool Model:	ADDON				
Performed:	Wed Apr 17 12:57:56 2024				
Calibrator Values:	0	28			
Calibrator Readings:	6800	4200	cps		
Sensitivity:	-0.0107692	/cps			

Gamma Ray Calibration Report

Serial Number:	Refurb01				
Tool Model:	OSAGE_01				
Performed:	Thu Nov 30 13:51:24 2023				
Calibrator Value:	150.0	GAPI			
Background Reading:	125.0	cps			
Calibrator Reading:	875.0	cps			
Sensitivity:	0.2000	GAPI/cps			

Inclinometer Calibration Report

Performed:	Thu Nov 30 13:51:34 2023				
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
ACCY	17.83		ADMYR_TELEMETRY-OSAGE_01 (Refurb01) Admyr Telemetry With Gr, Deviation, ADC board and Pulses Board in it.	3.69	3.25	53.00
ACCX	17.83					
GR	16.65					
FRAMES	15.33		NEU-ADDON ((YELLOW 0600 011 NEUTRON DOOR)) Inline Neutron	5.65	3.38	84.00
SSTAT	15.33					
PSTAT	15.33					
ASTAT	15.33		ADT1LITH-B (1B)	9.69	4.25	238.00
NEU	11.66					
DCAL	2.79					
LS_HV	2.63		Dataset: ow2-9336 val energy.db: field/well/run1/pass3 Total length: 19.02 ft Total weight: 375.00 lb O.D.: 4.25 in			
LS8	2.63					
LS7	2.63					
LS6	2.63					
LS5	2.63					
NHARD	2.63					
LSD	2.63					
LS2	2.63					
NLITH	2.63					
LSTAT	2.17					
LSV	2.17					