



# HIGH RESOLUTION DENSITY NEUTRON LOG

**Company** COLT ENERGY, INC  
**Well** HILL # C5  
**Field** CENTERVILLE  
**County** LINN **State** KANSAS

**Location:** API #: 15-107-25342-00-00  
 NW-SW-NE-SE  
 1710FSL & 1192FEL  
 SEC 10 TWP 21S RGE 22E  
**Permanent Datum** GL **Elevation** 976  
**Log Measured From** GL  
**Drilling Measured From** GL  
**Other Services** DIL  
**Elevation** K.B. D.F. G.L. 976

Date	1-19-21	
Run Number	ONE	
Depth Driller	611	
Depth Logger	609	
Bottom Logged Interval	607	
Top Log Interval		
Casing Driller	8.625 @ 20	
Casing Logger	8.625 @ 20	
Bit Size	6.75	
Type Fluid in Hole	WATER	
Density / Viscosity		
pH / Fluid Loss		
Source of Sample		
Rm @ Meas. Temp		
Rmf @ Meas. Temp		
Rmc @ Meas. Temp		
Source of Rmf / Rmc		
Rm @ BHT		
Time Circulation Stopped		
Time Logger on Bottom	10:30	
Maximum Recorded Temperature	87	
Equipment Number	OW2	
Location	HOMINY, OK	
Recorded By	MACKEY	
Witnessed By	BALLARD	

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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

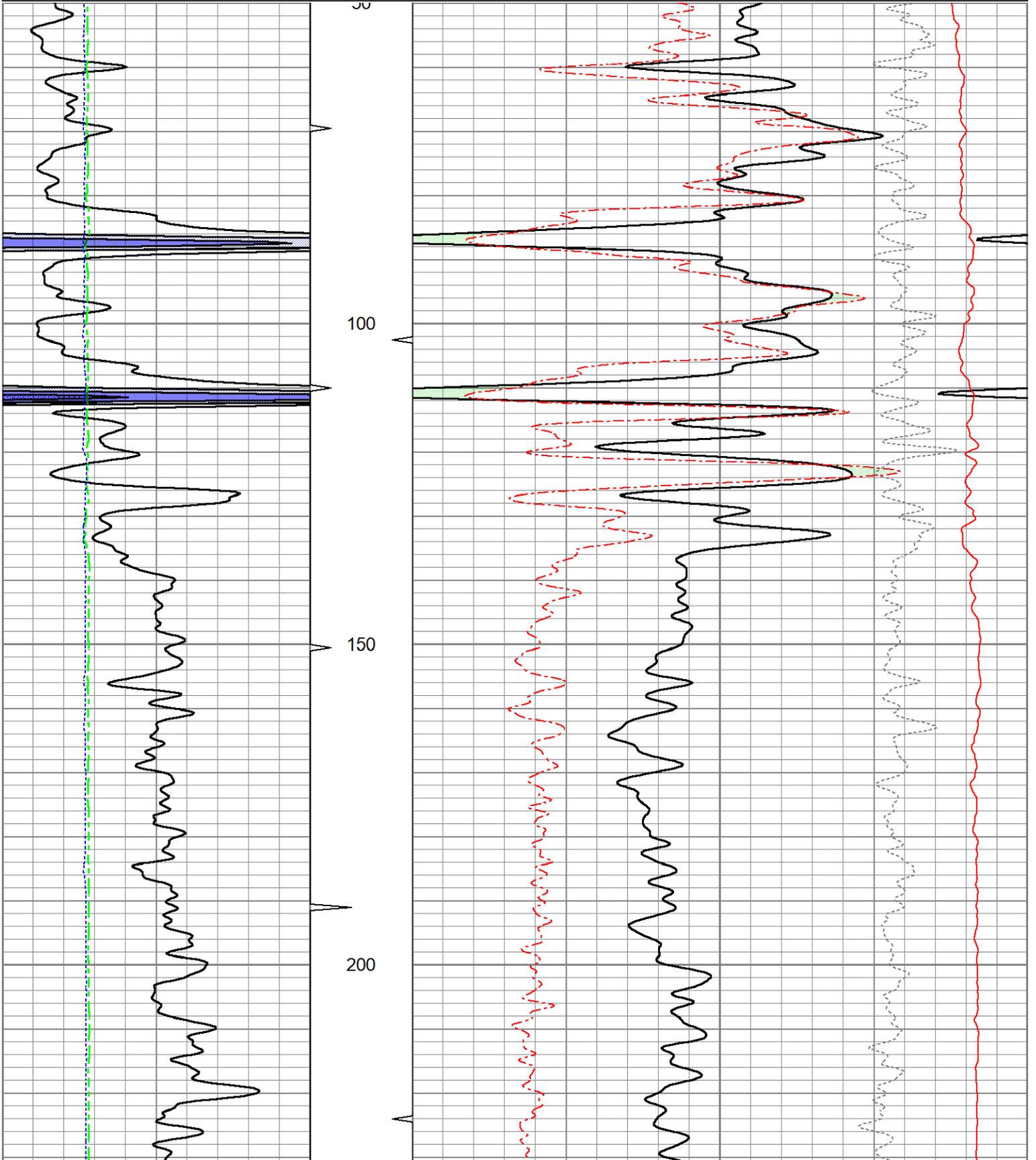
OW2-8957  
 CREW TODAY IS KIDD, FERGUSON  
 THANK YOU FOR USING OSAGE WIRELINE, INC.

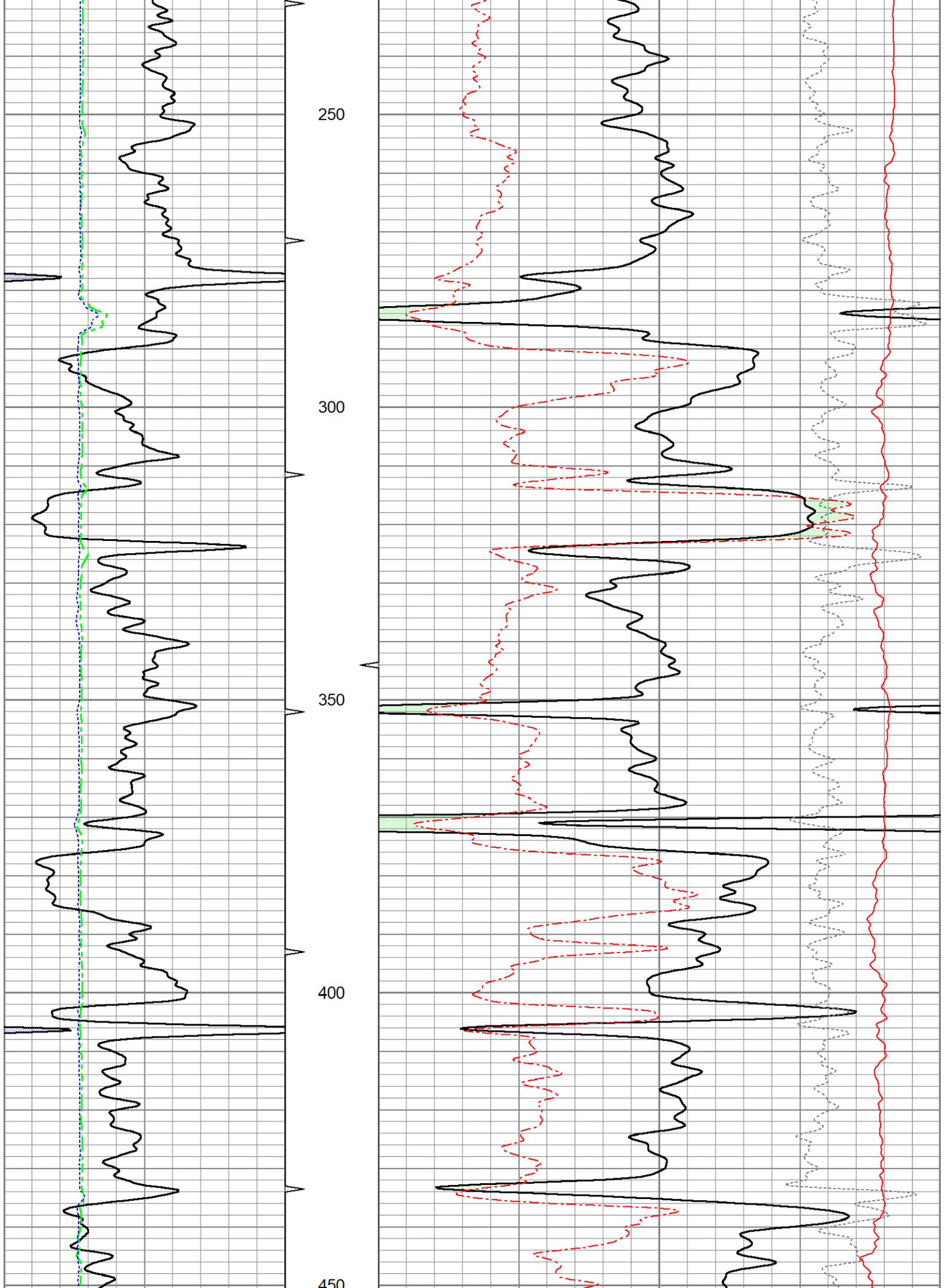


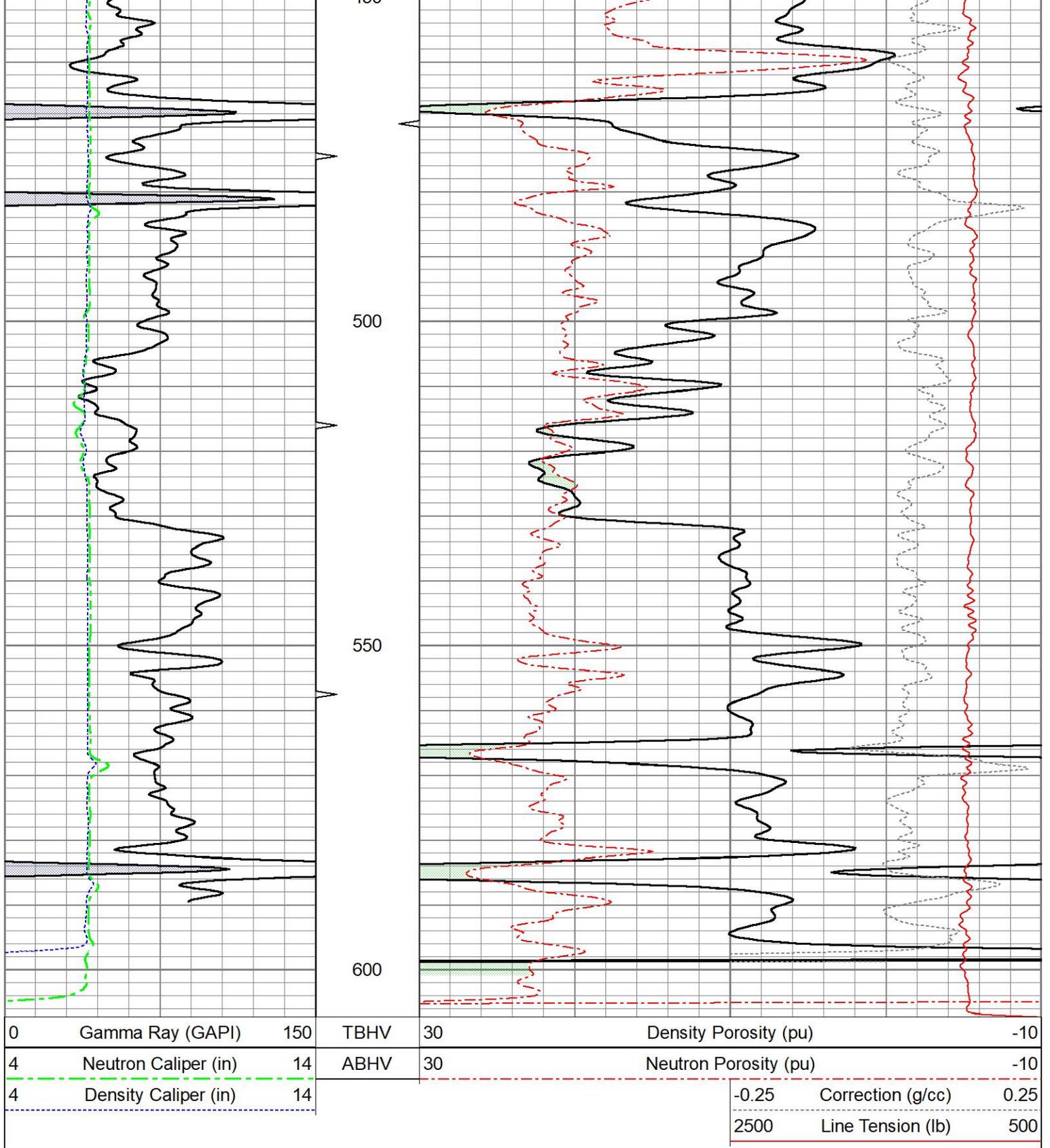
# 5" DENSITY/NEUTRON

Database File ow2-8957.db  
 Dataset Pathname pass4.5  
 Presentation Format mmcdIn5  
 Dataset Creation Tue Jan 19 11:11:18 2021  
 Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	TBHV	30	Density Porosity (pu)	-10
4	Neutron Caliper (in)	14	ABHV	30	Neutron Porosity (pu)	-10
4	Density Caliper (in)	14			-0.25	Correction (g/cc) 0.25
					2500	Line Tension (lb) 500







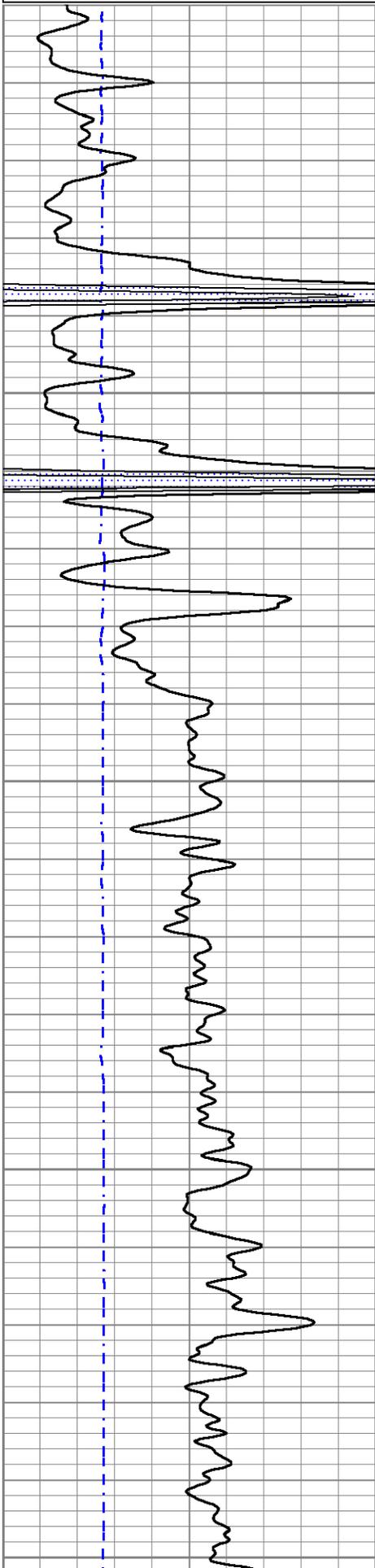
# 5" COMPENSATED DENSITY

Database File ow2-8957.db  
 Dataset Pathname pass4.6  
 Presentation Format mmcdl5  
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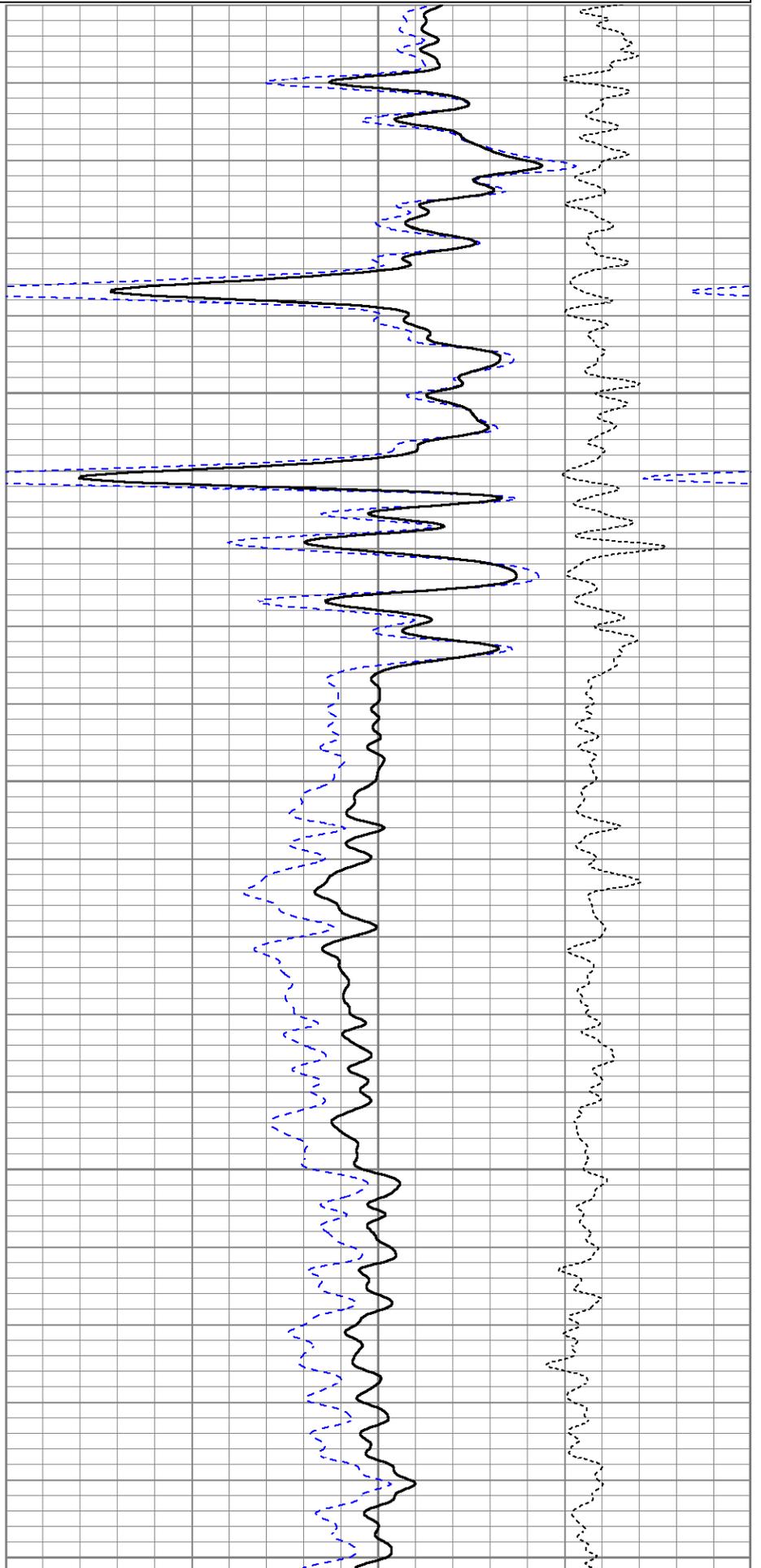
4	Density Caliper (in)	14
0	Gamma Ray (GAPI)	150

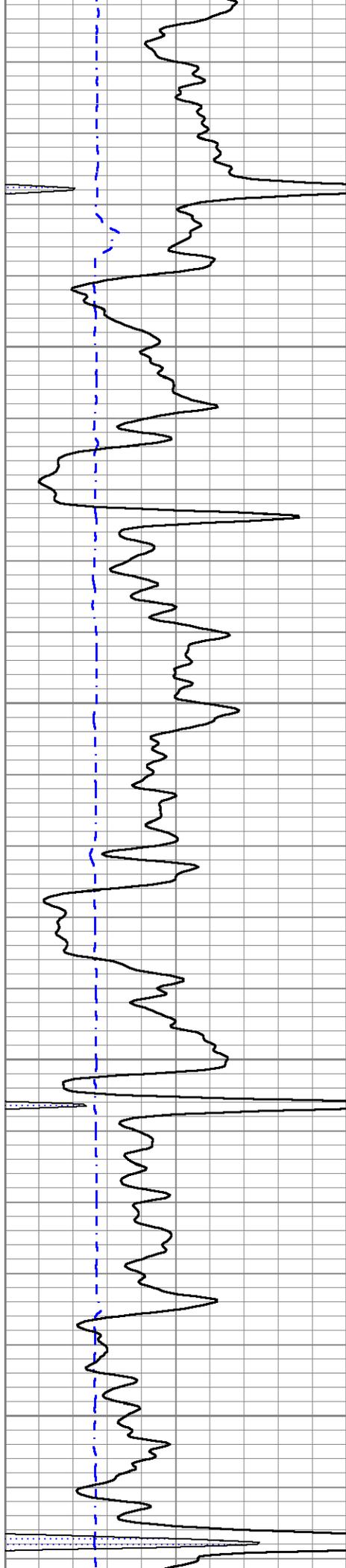
30	Density Porosity (pu)	-10
2	Bulk Density (g/cc)	3

-0.25	RHOC (g/cc)	0.25
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50  
100  
150  
200  
250



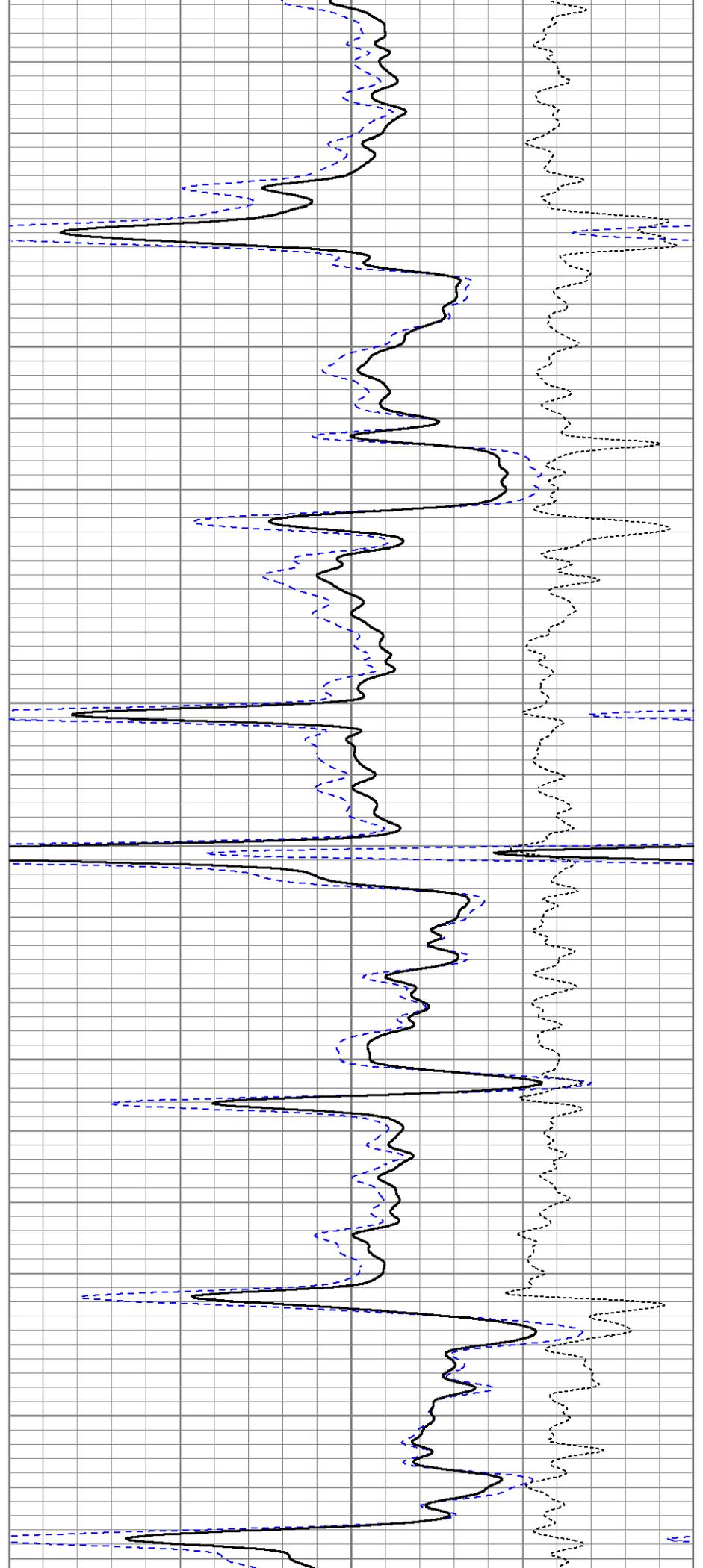


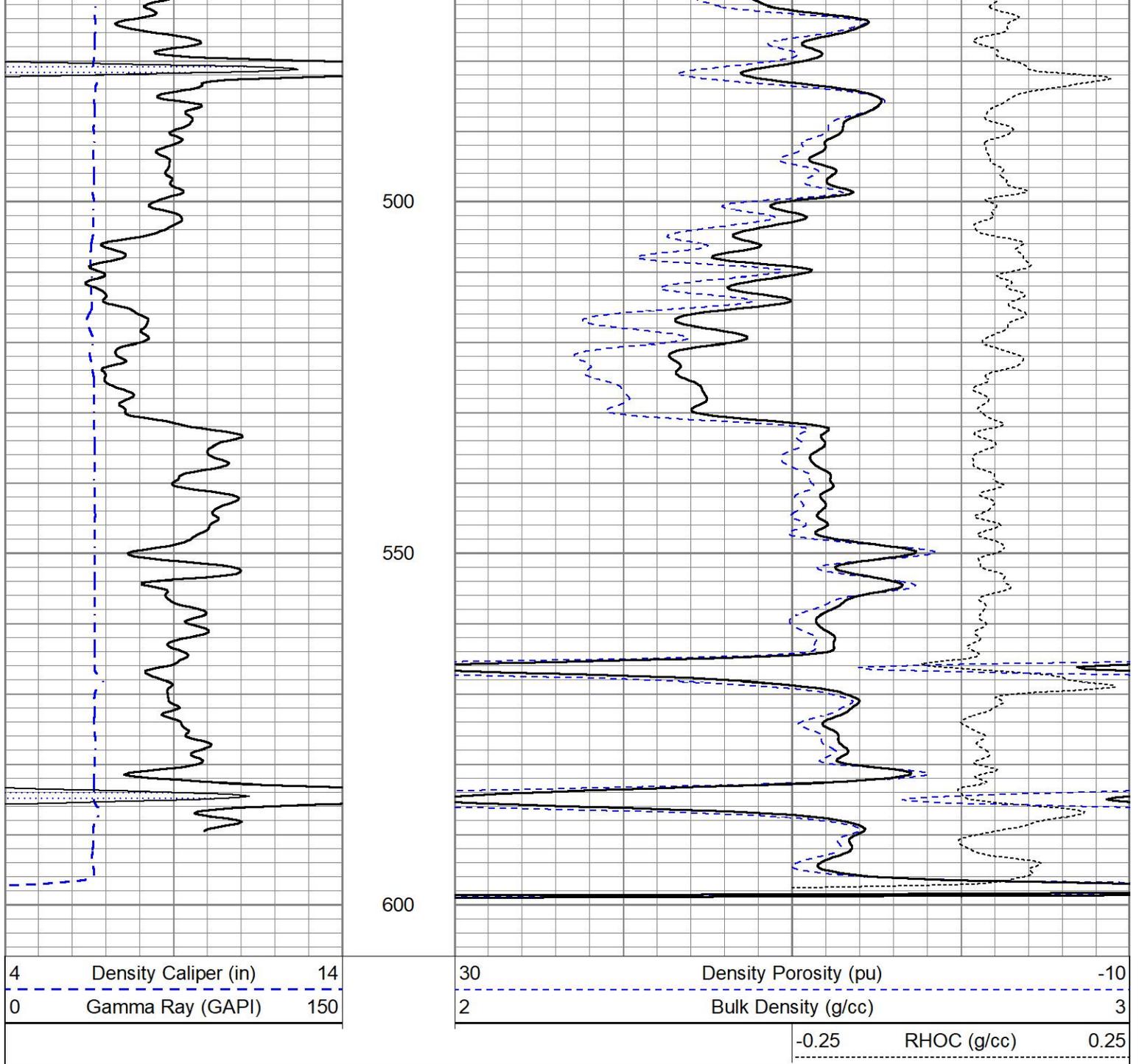
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350

400

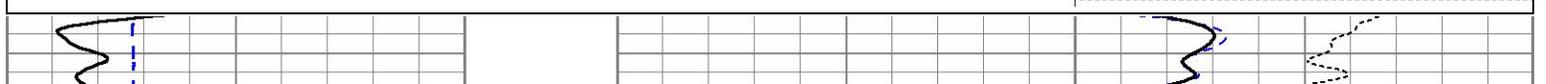
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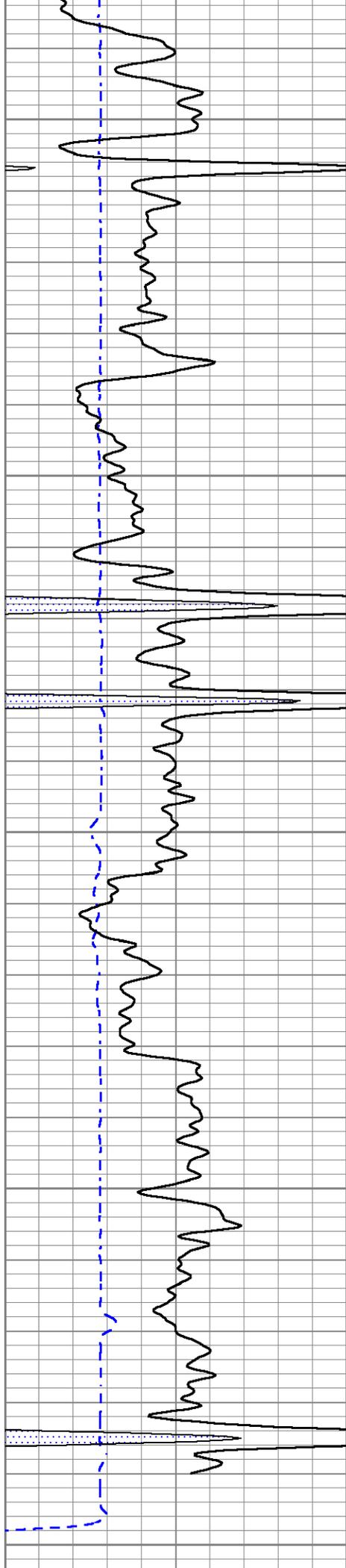




# REPEAT SECTION

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 Charted by Depth in Feet scaled 1:240





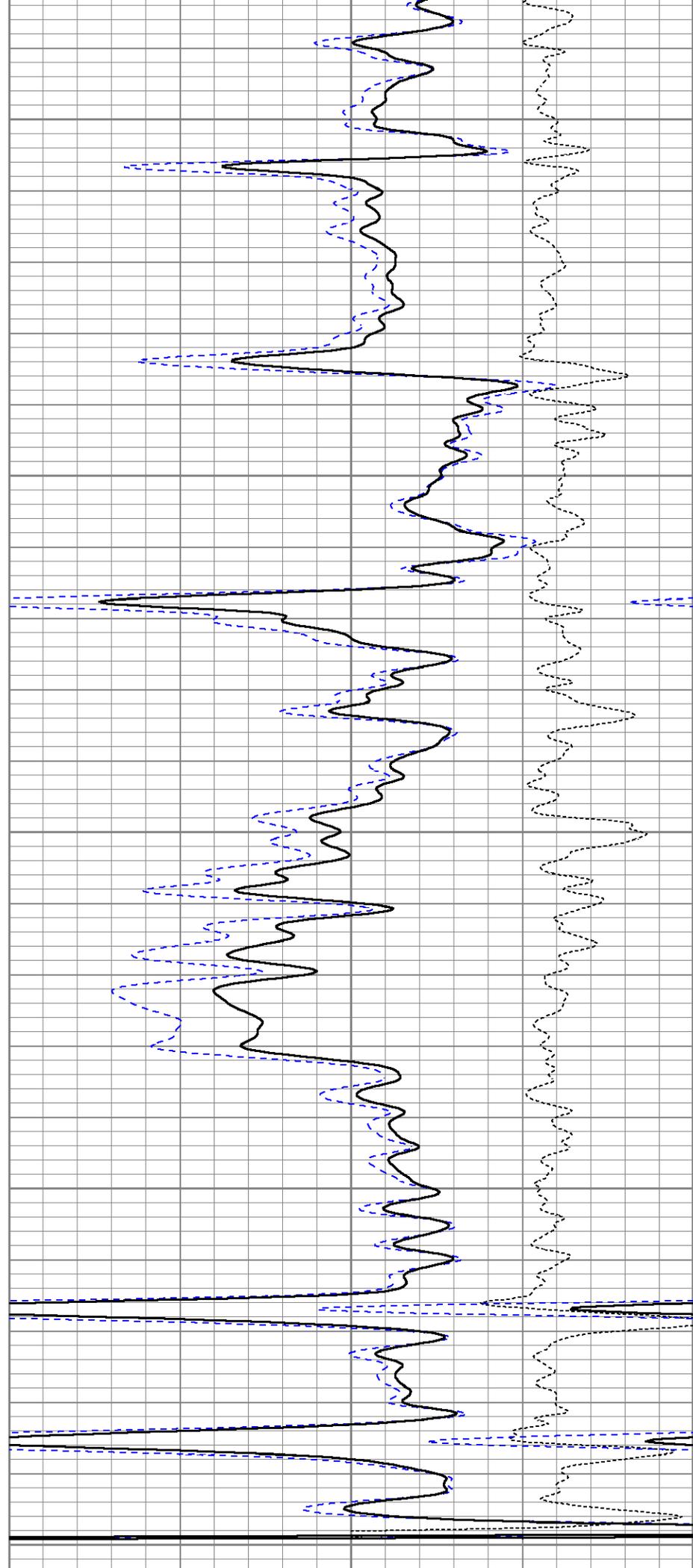
400

450

500

550

600



Density Caliper		
0	Gamma Ray (GAPI)	150

30	Density Porosity (pu)	-10
2	Bulk Density (g/cc)	3
-0.25	RHOC (g/cc)	0.25

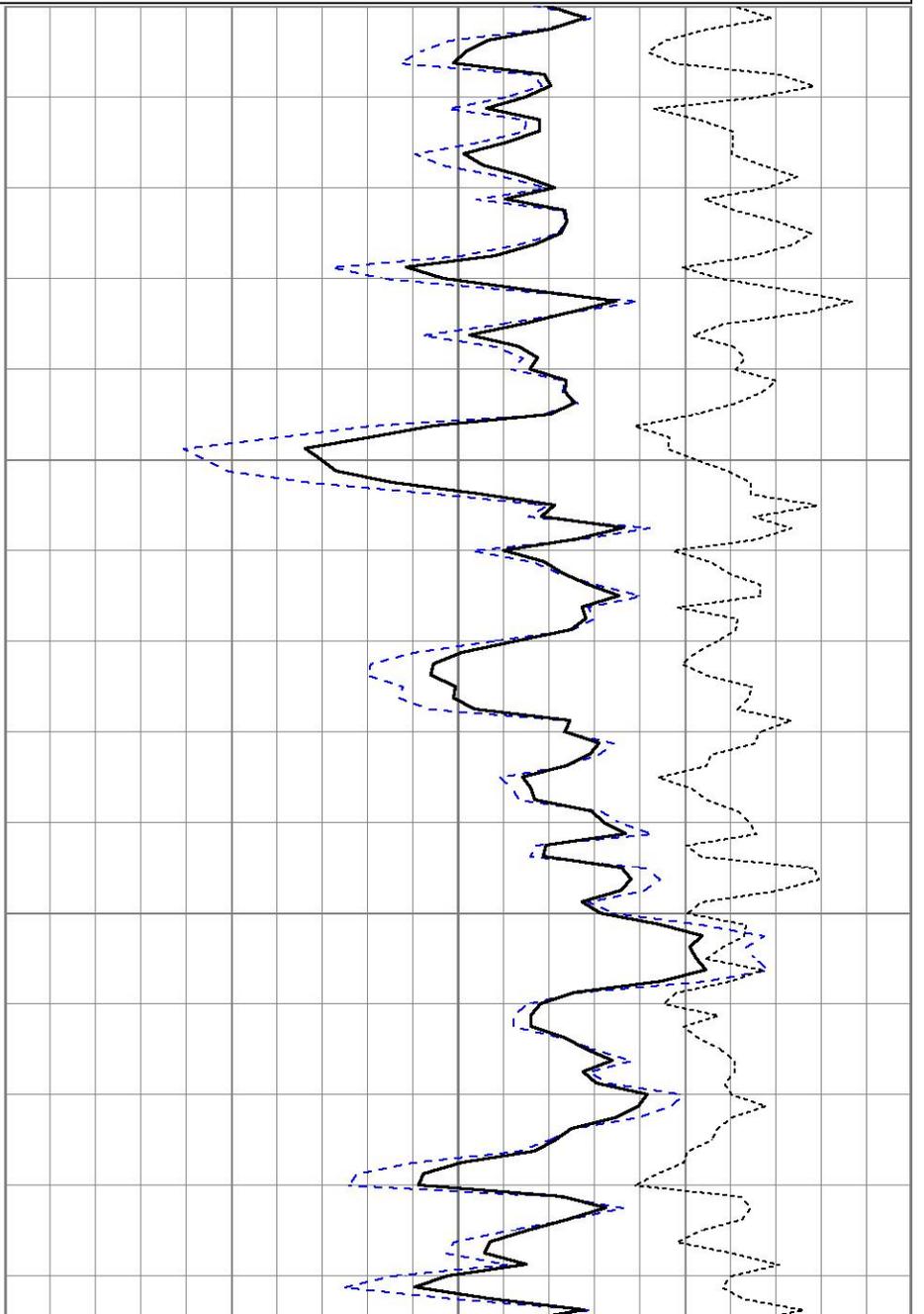
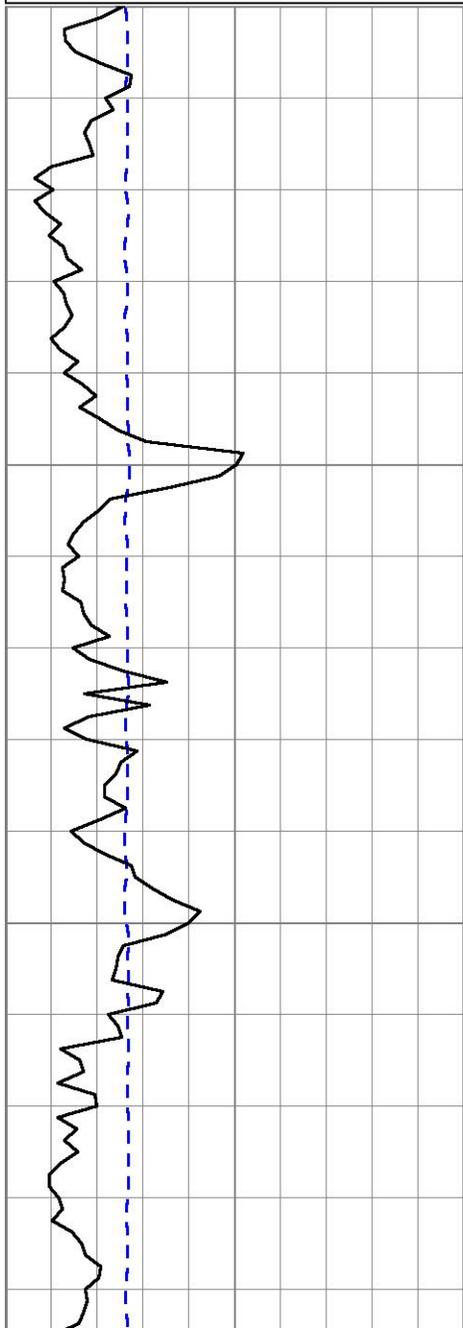


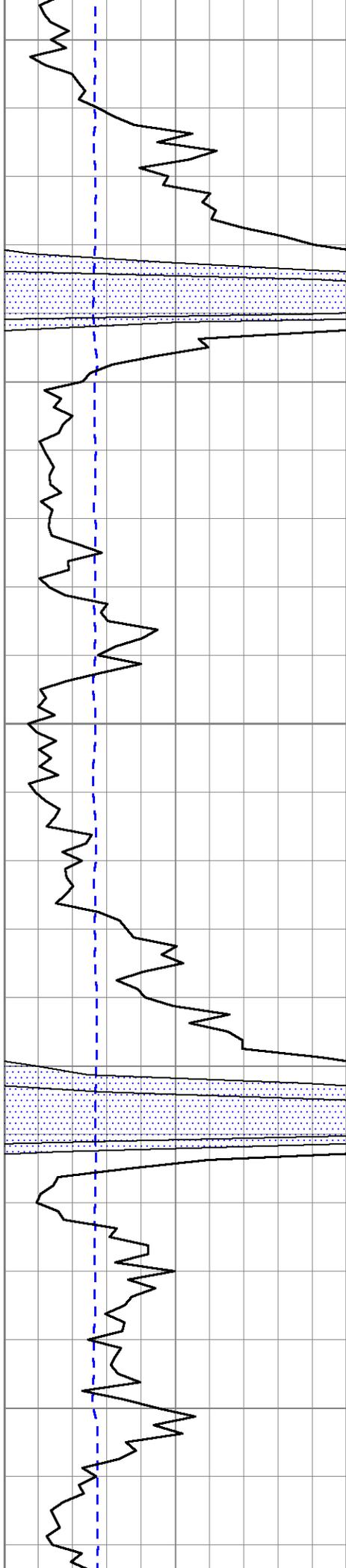
# 25" HR DENSITY

Database File ow2-8957.db  
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 Presentation Format mmcdl5  
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 Charted by Depth in Feet scaled 1:50

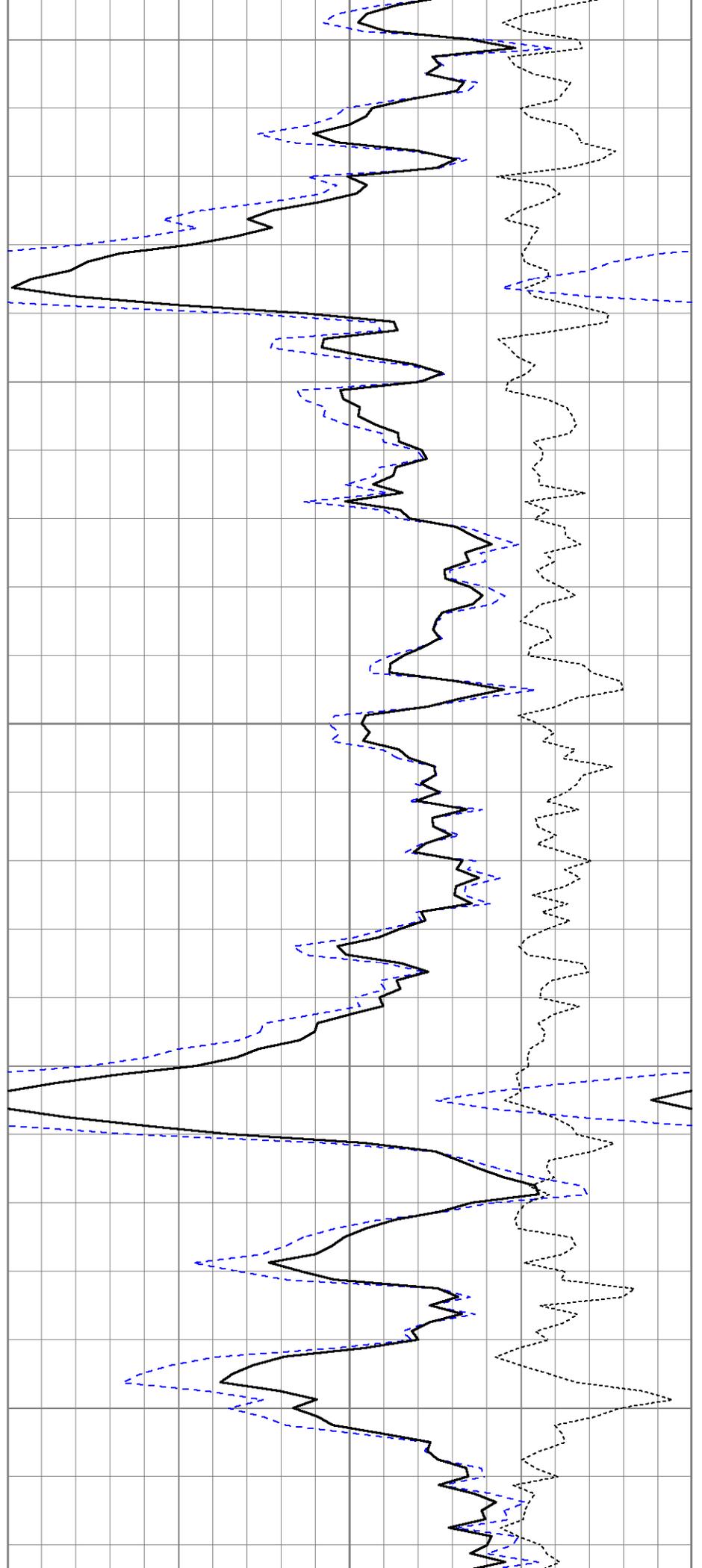
4	Density Caliper (in)	14
0	Gamma Ray (GAPI)	150

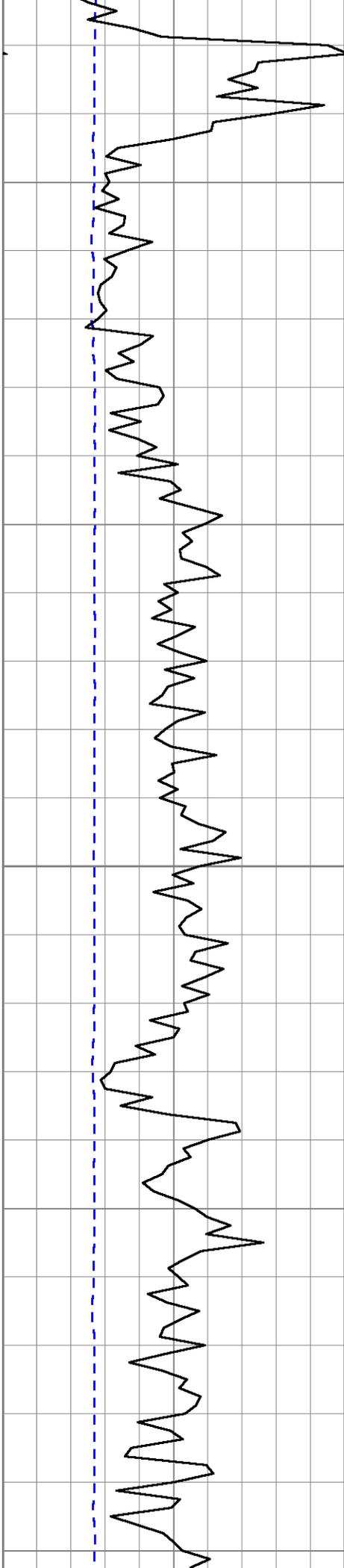
30	Density Porosity (pu)	-10
2	Bulk Density (g/cc)	3
-0.25	RHOC (g/cc)	0.25



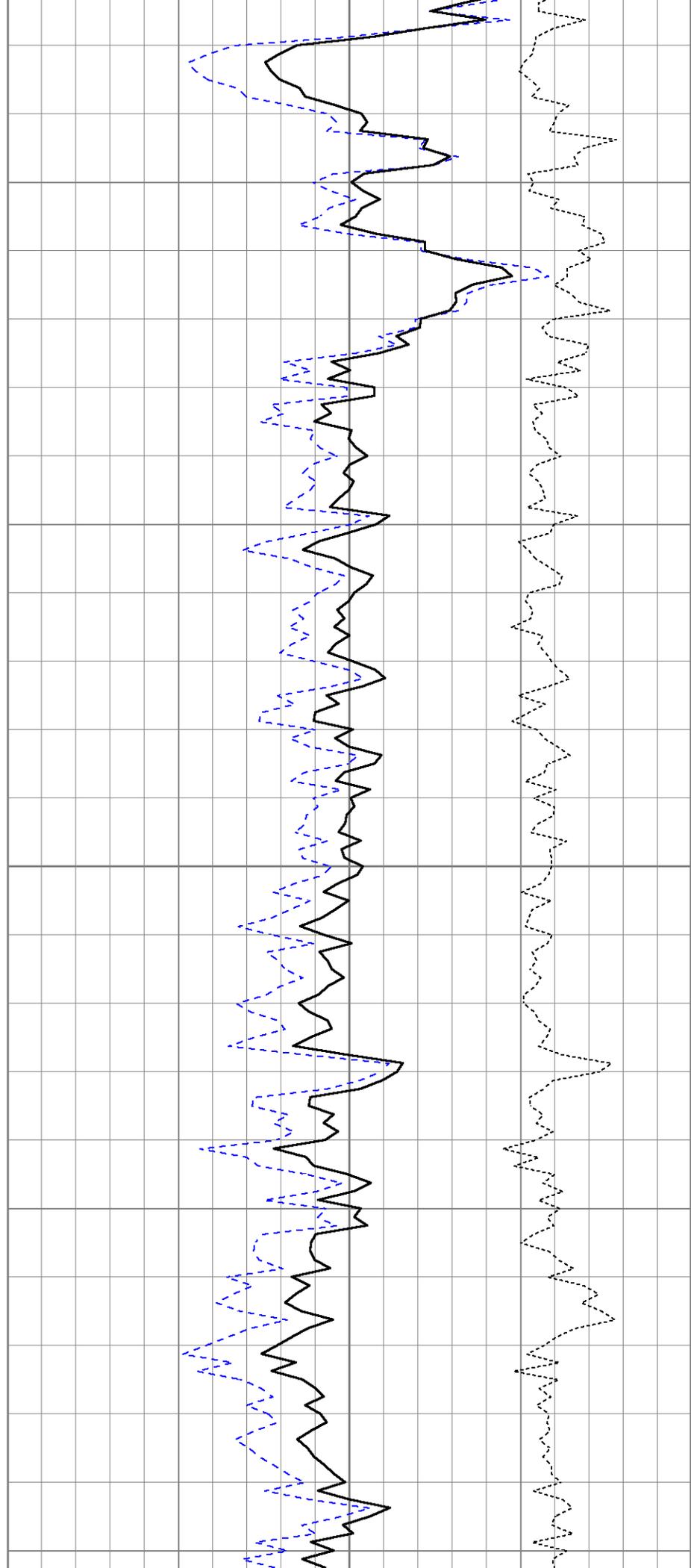


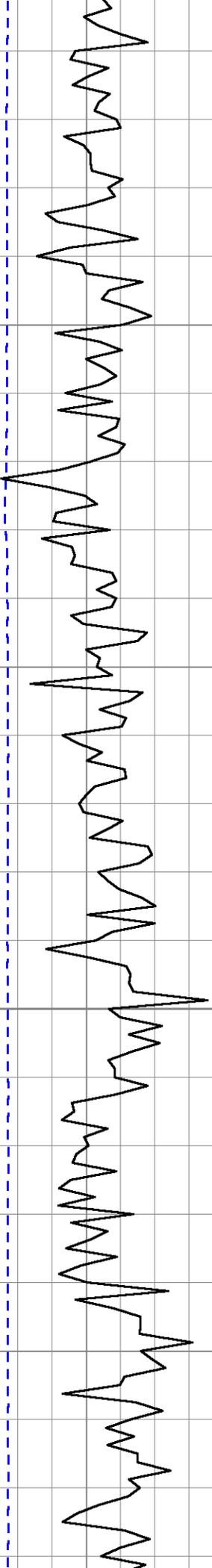
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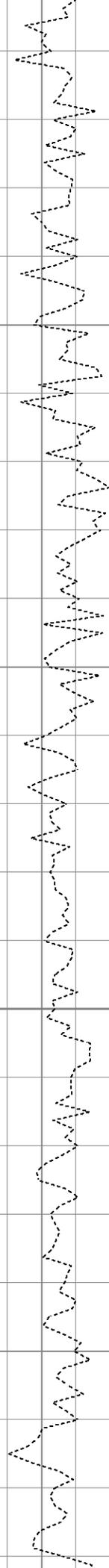
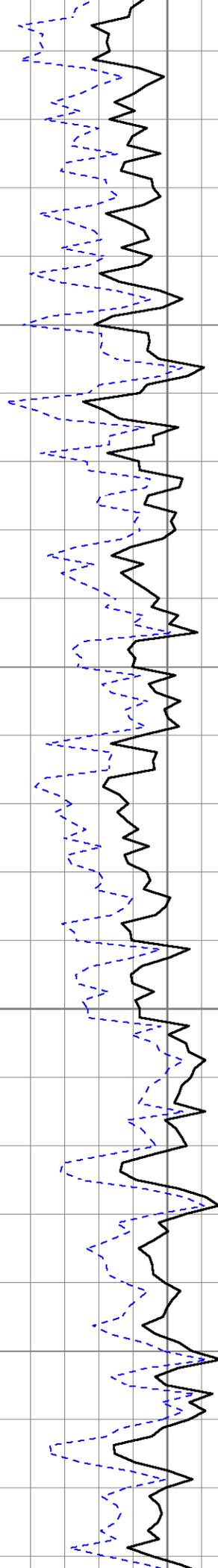


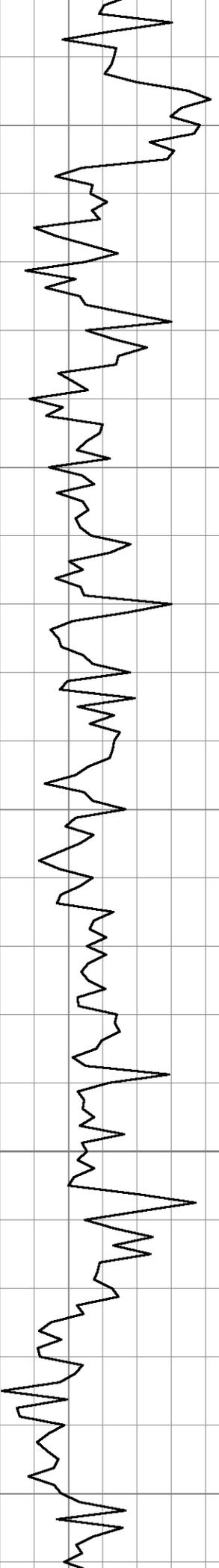
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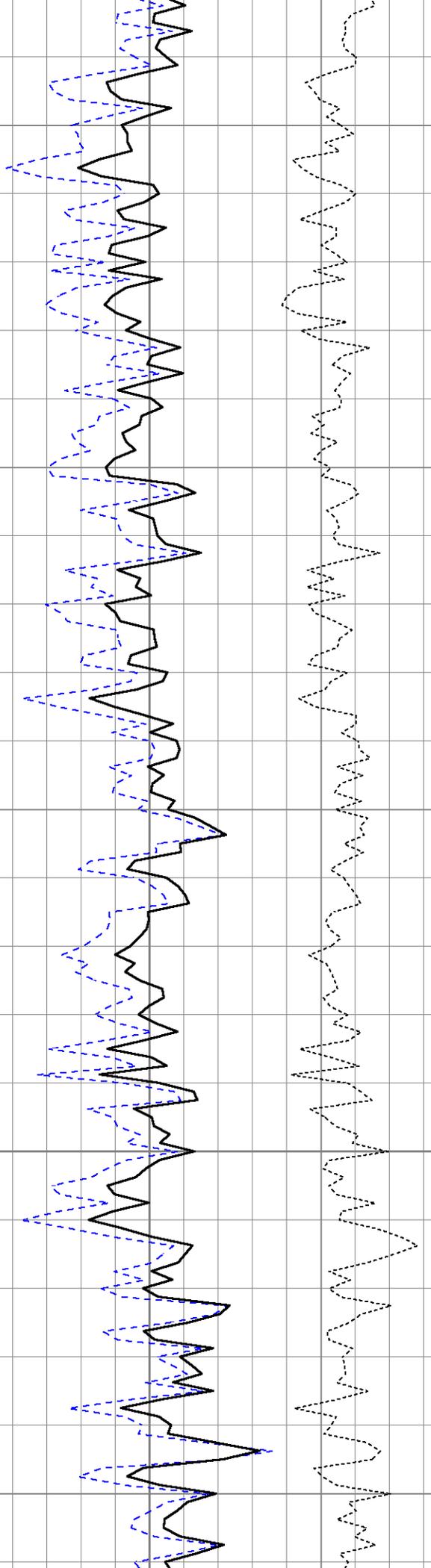


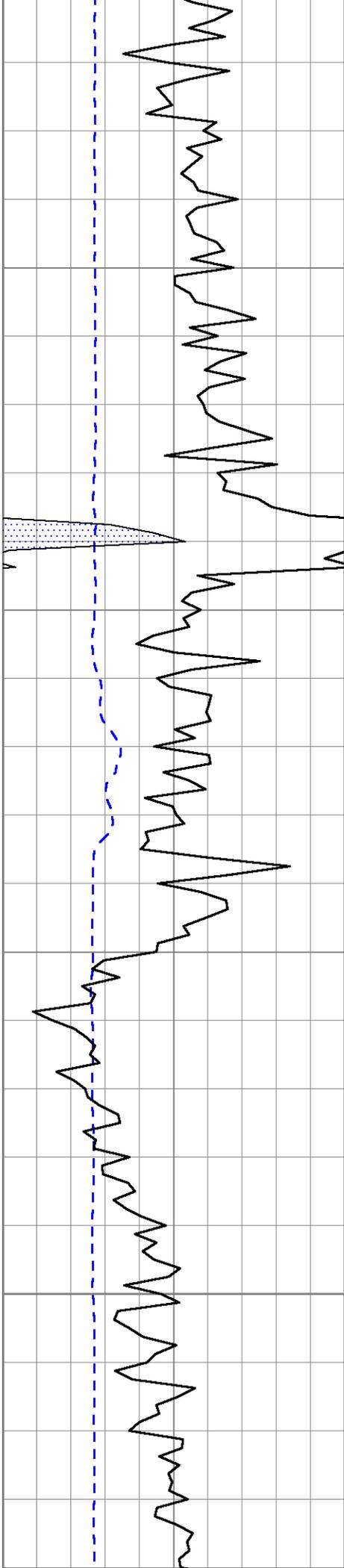
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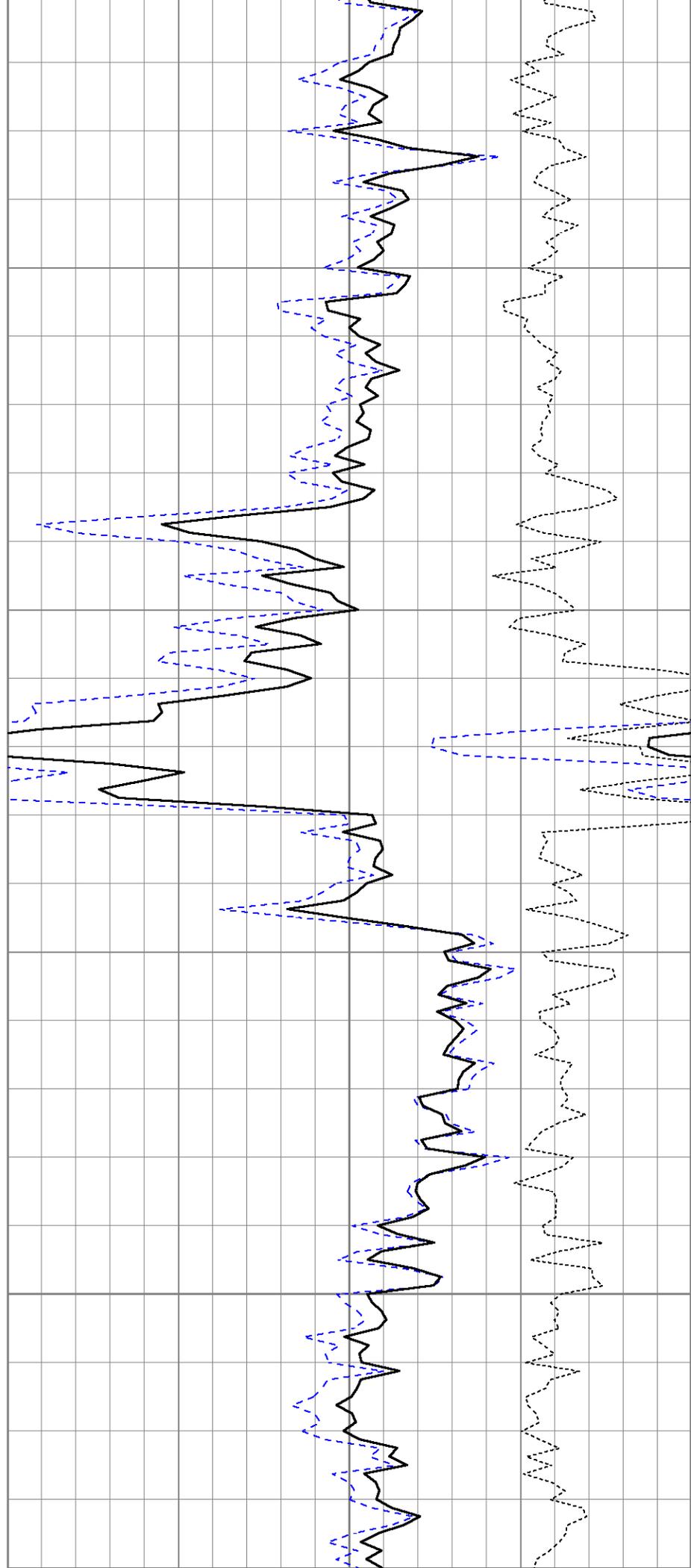


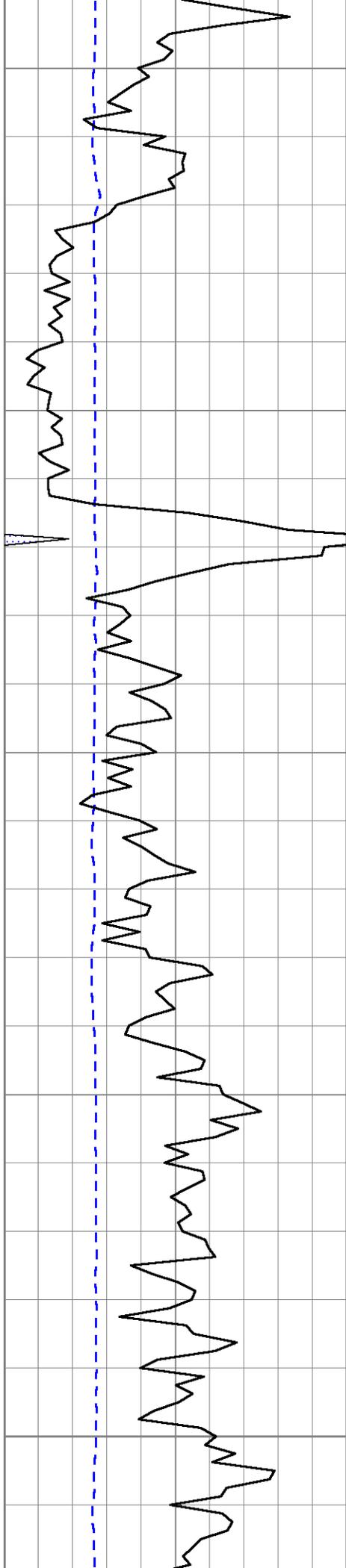
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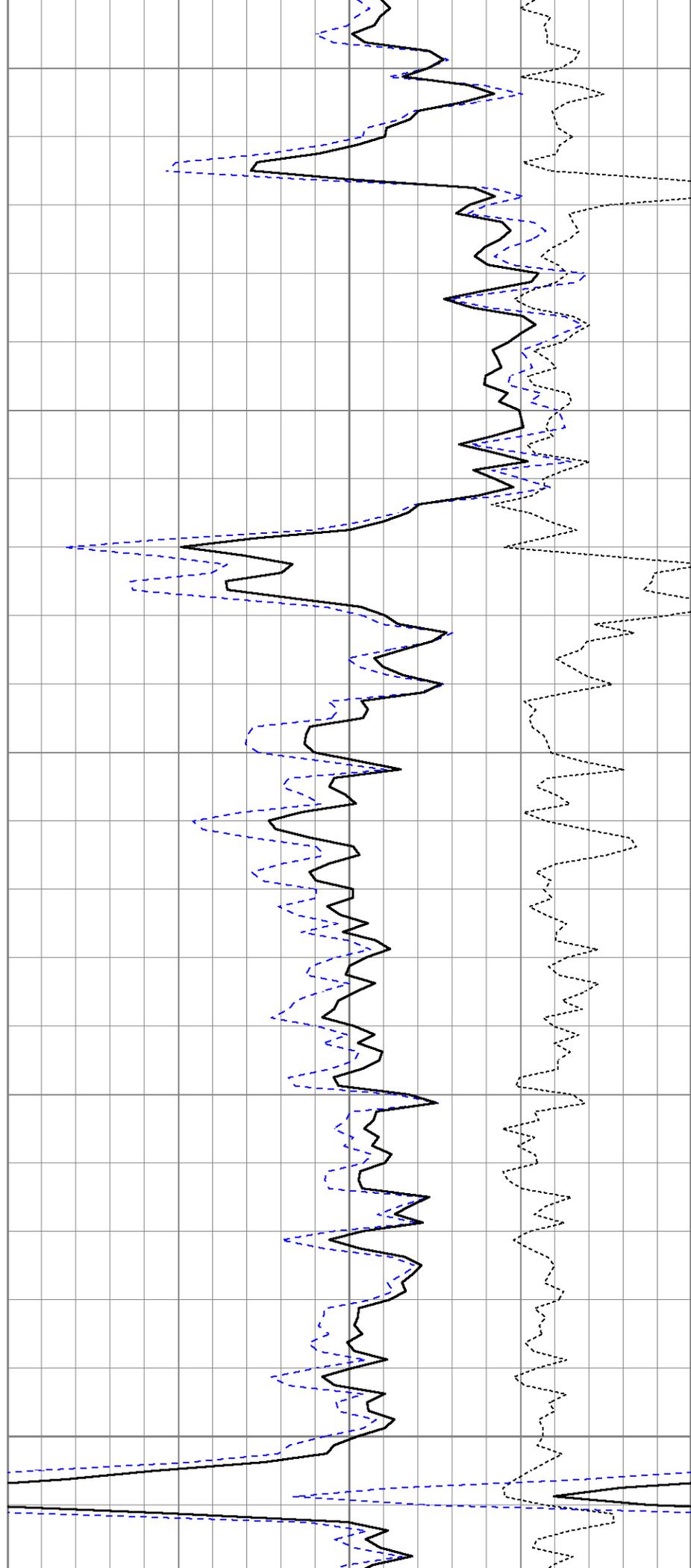


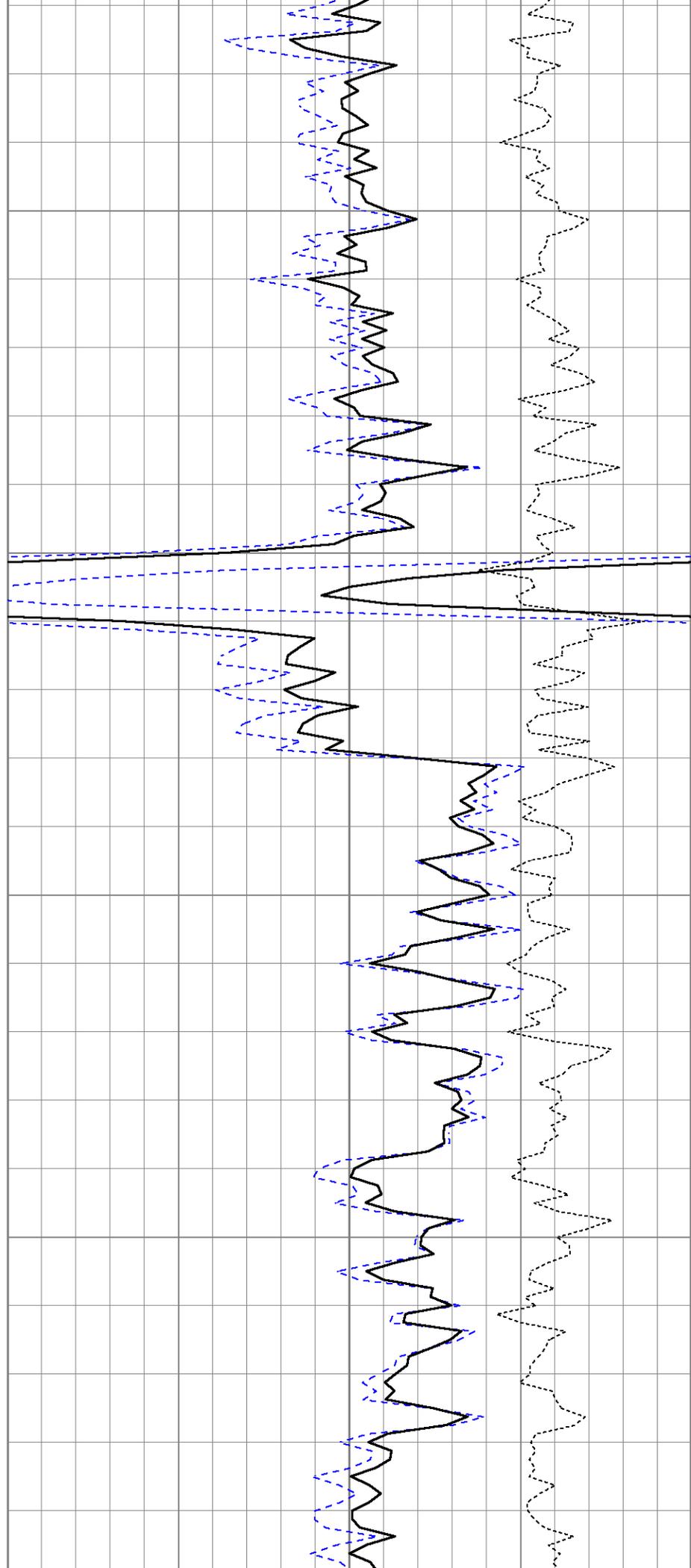
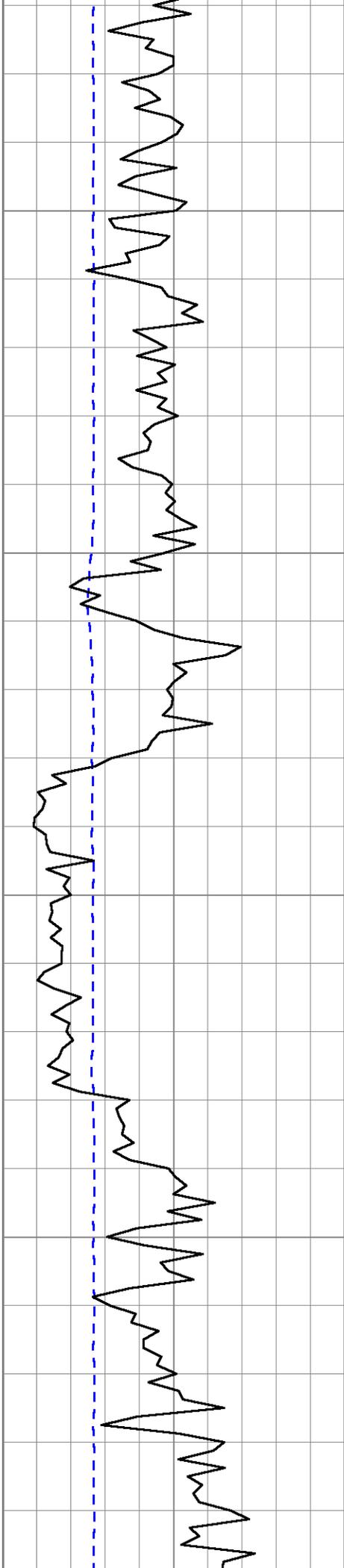
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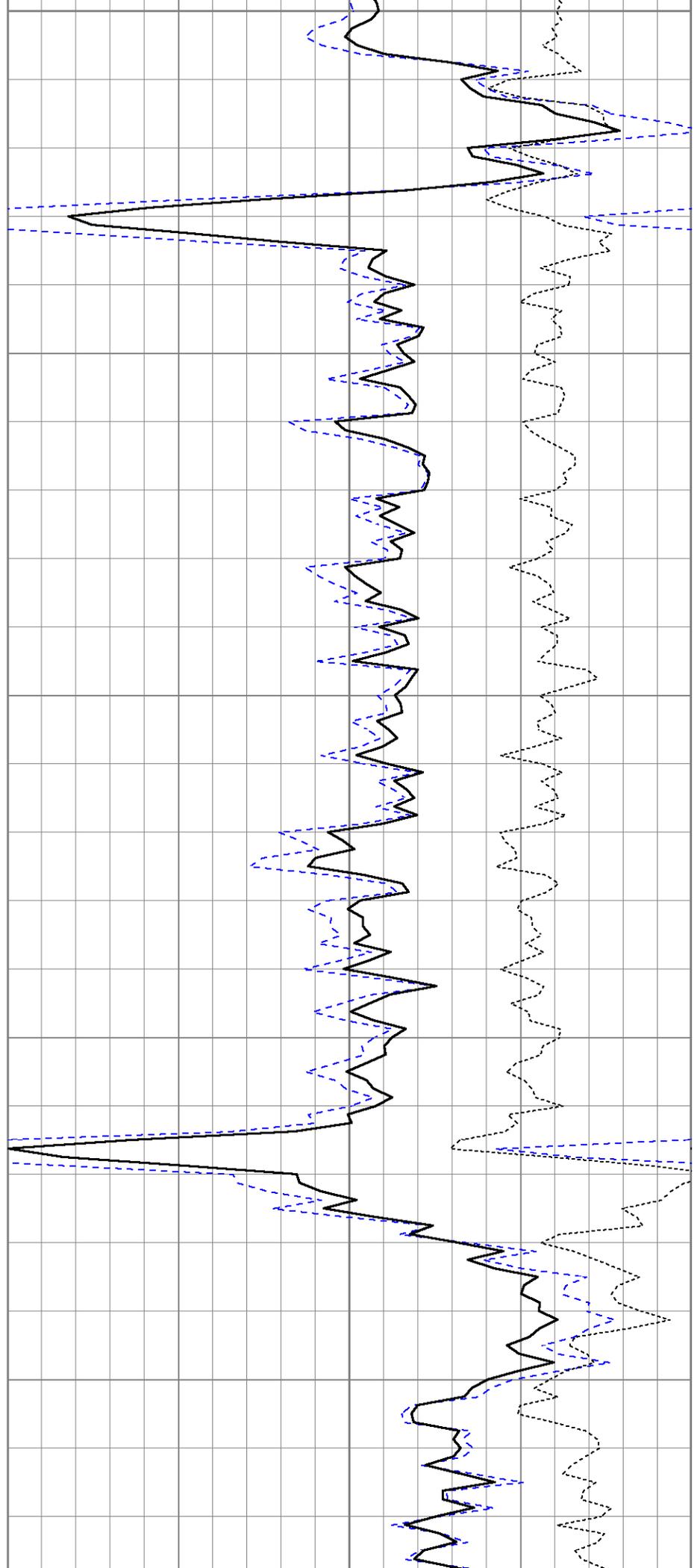
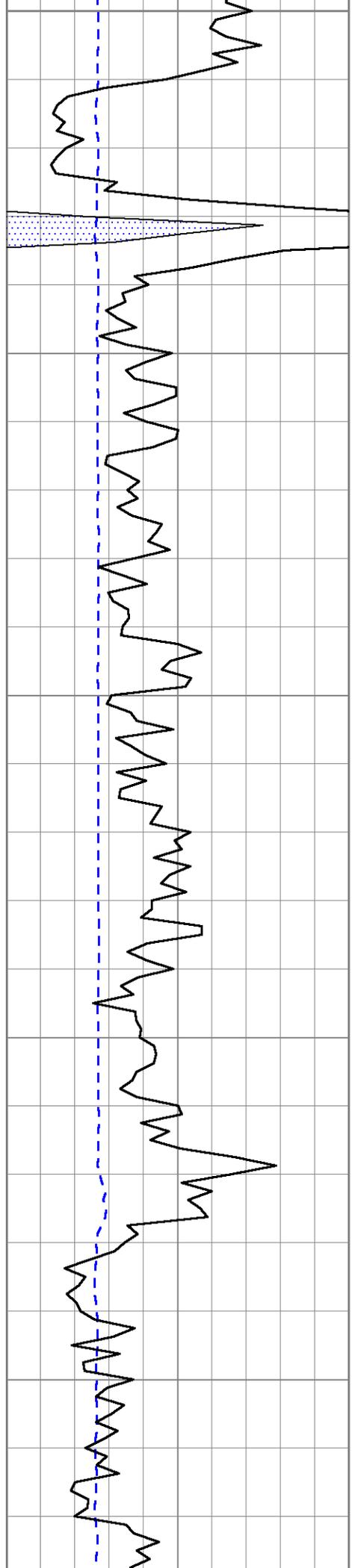


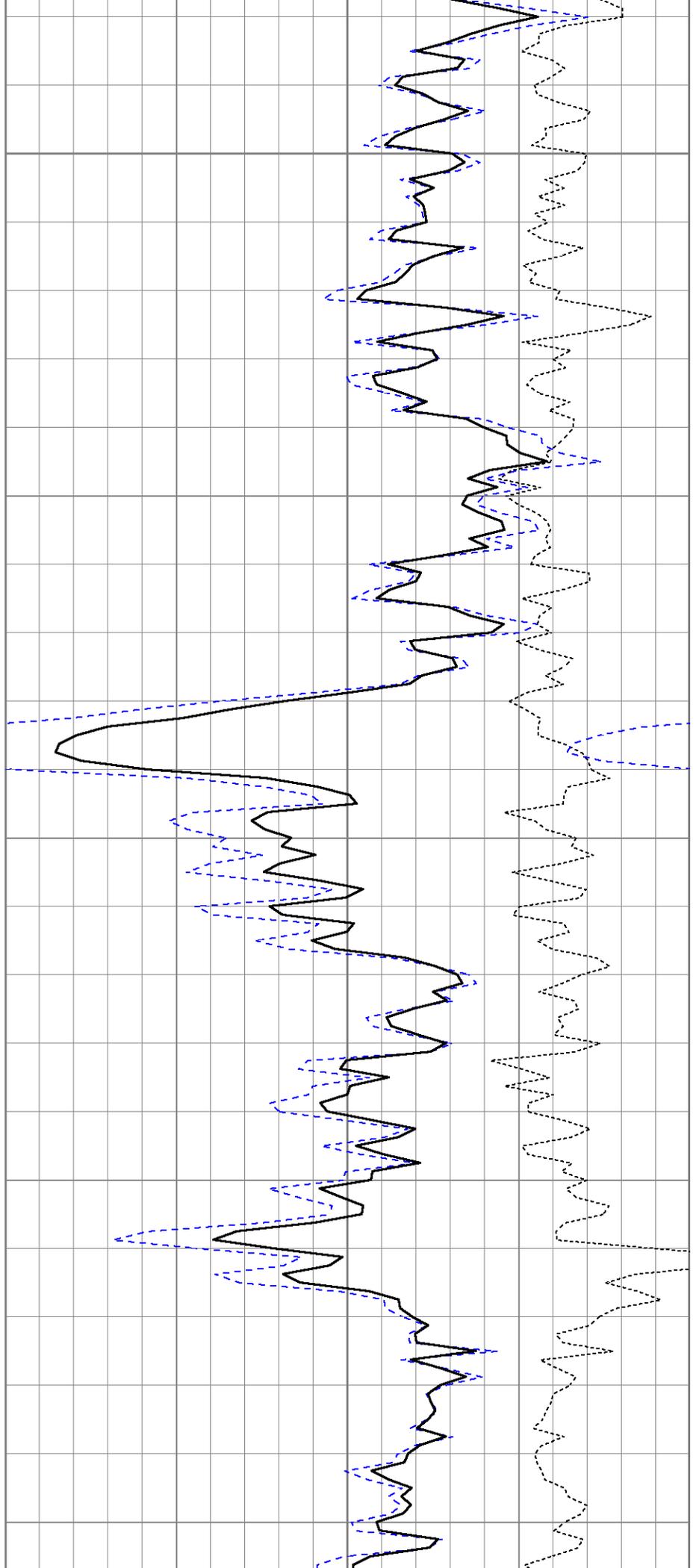
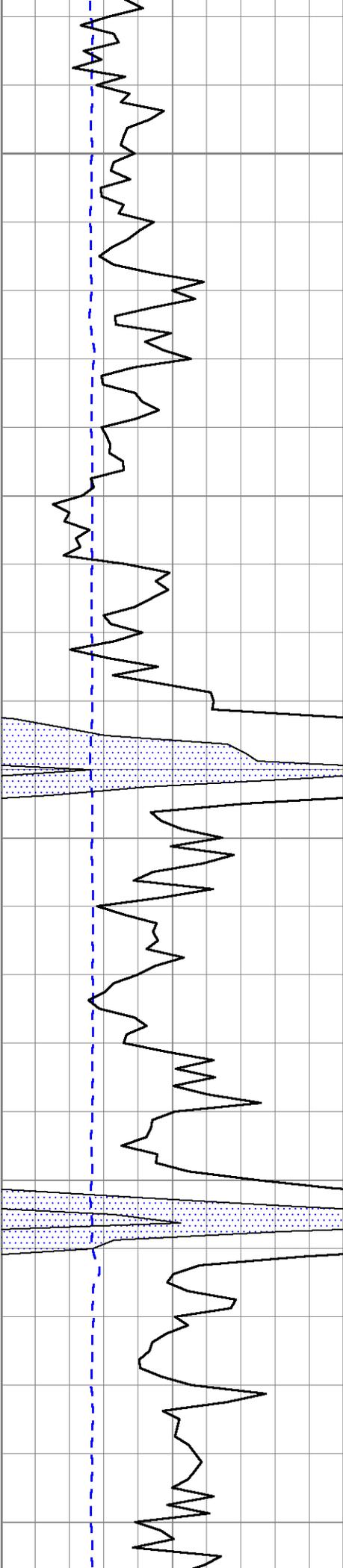


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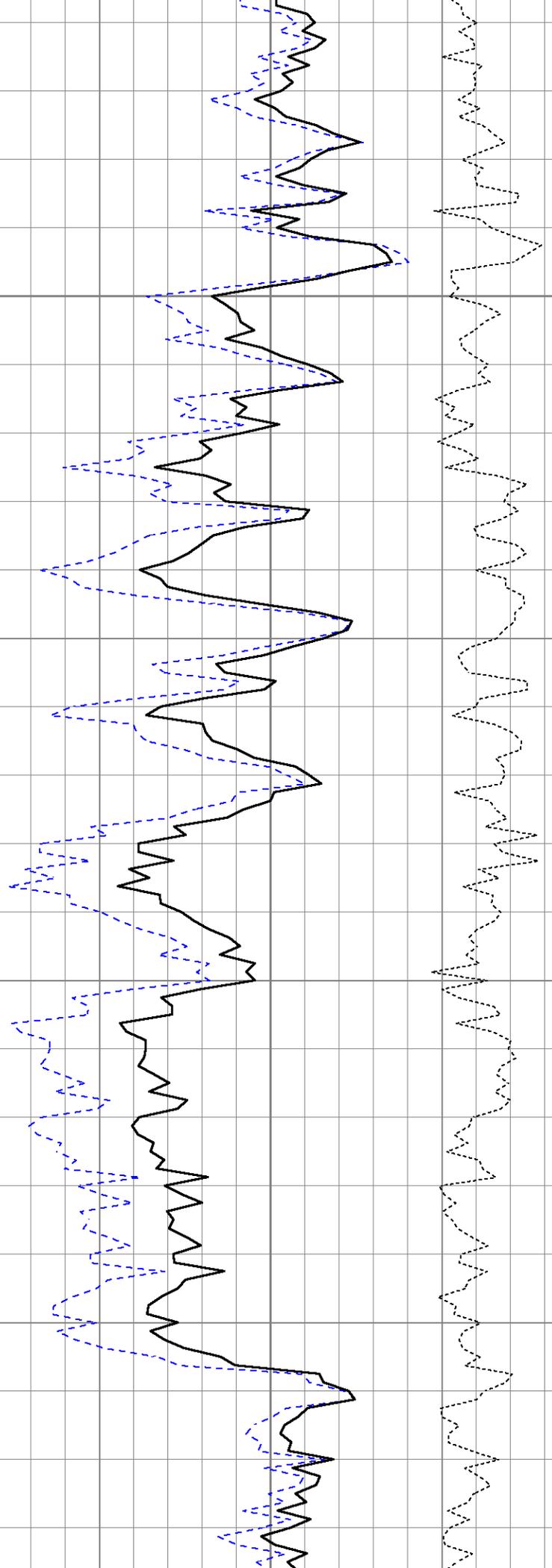
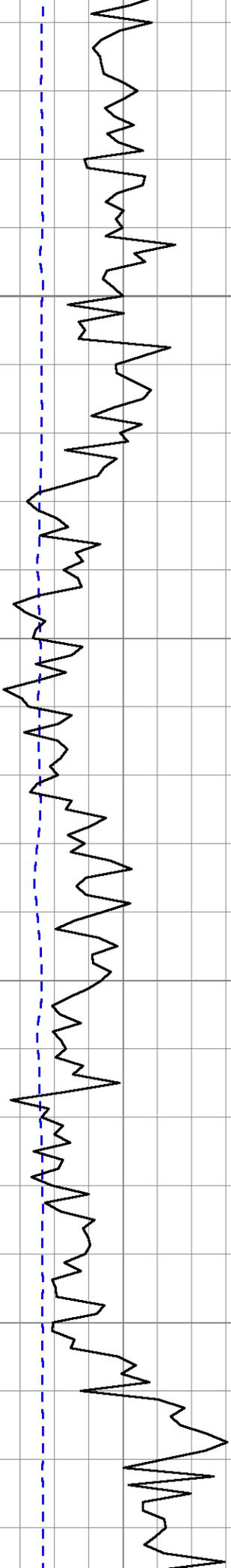




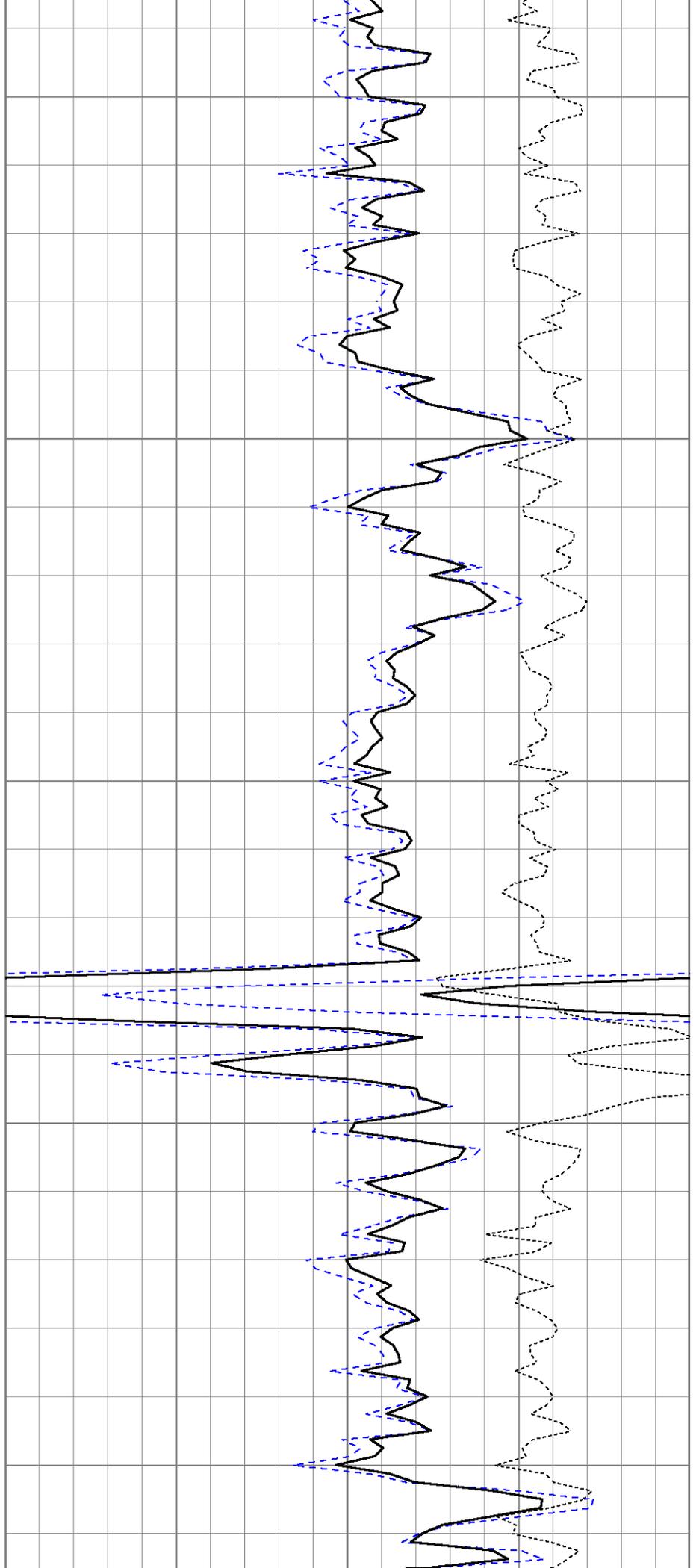
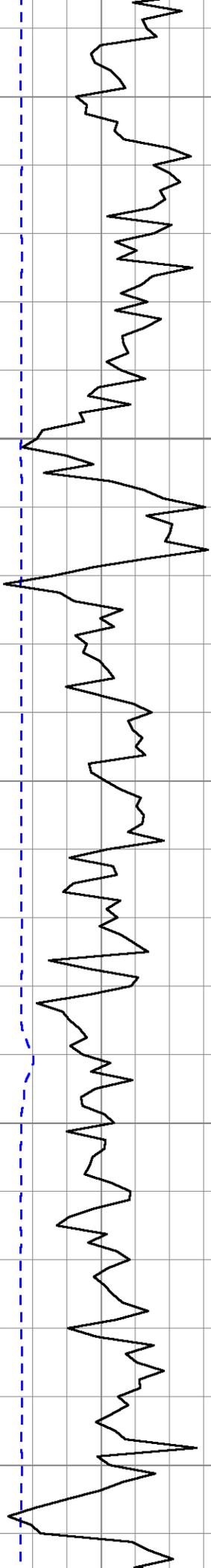


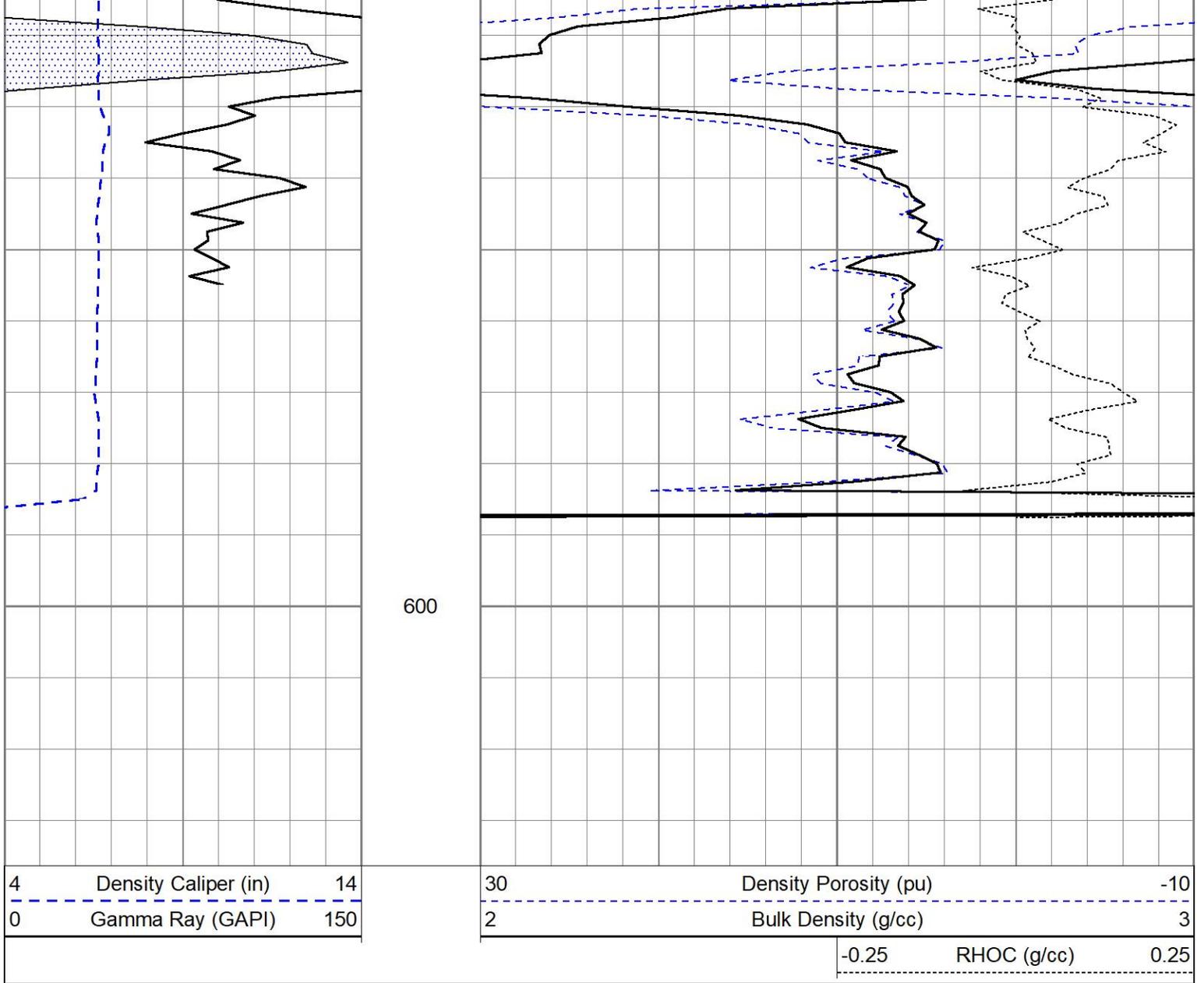


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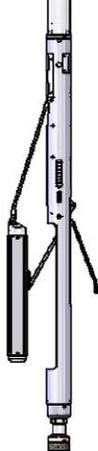


550





Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	15.60		Cable-CableHead Isulation Sub	1.42	3.00	20.00
			Gamma-Oilex2122 (2122) Gamma Ray Section	2.83	3.50	75.00
Density-Oilex2122 (2122) Density Section	6.08		4.00	250.00		
LSD	10.22					
DCAL	9.94					
SSD	9.76					

SCAL SWN NEU	2.54 2.15 2.15		Neutron-Sidewall3015 (3015) Sidewall Neutron Section	7.81	4.00	150.00
Dataset: ow2-8957.db: field/well/run1/pass2 Total length: 18.15 ft Total weight: 495.00 lb O.D.: 4.00 in						