
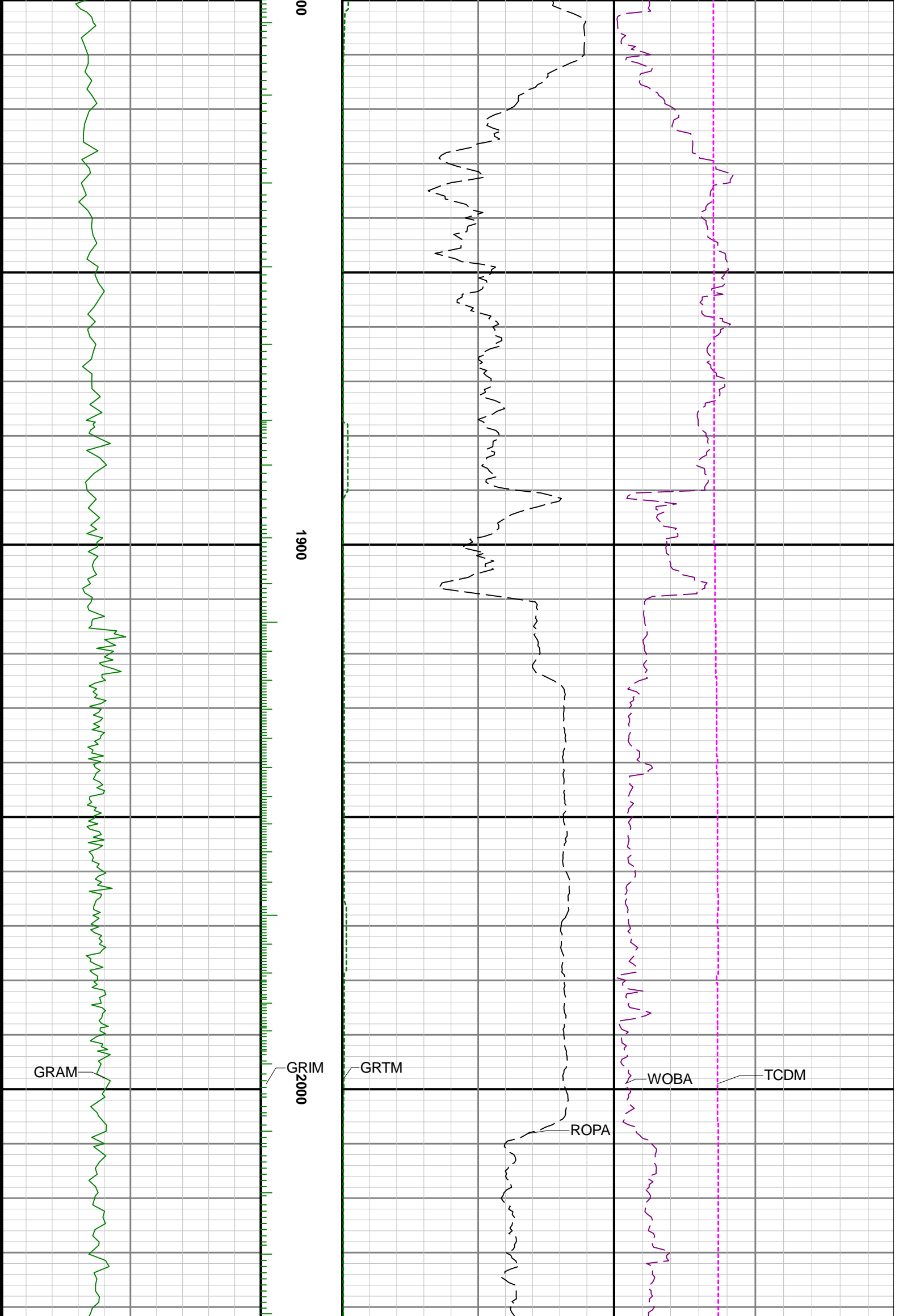
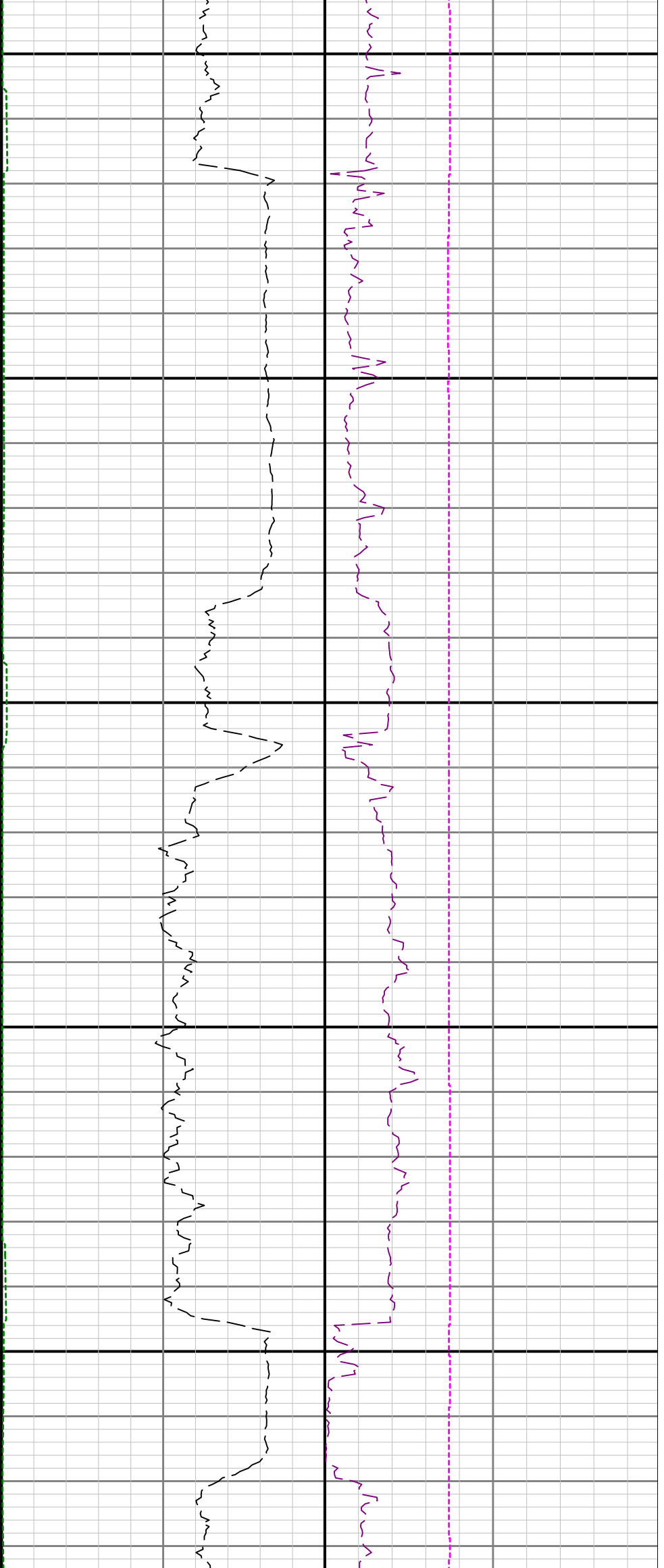


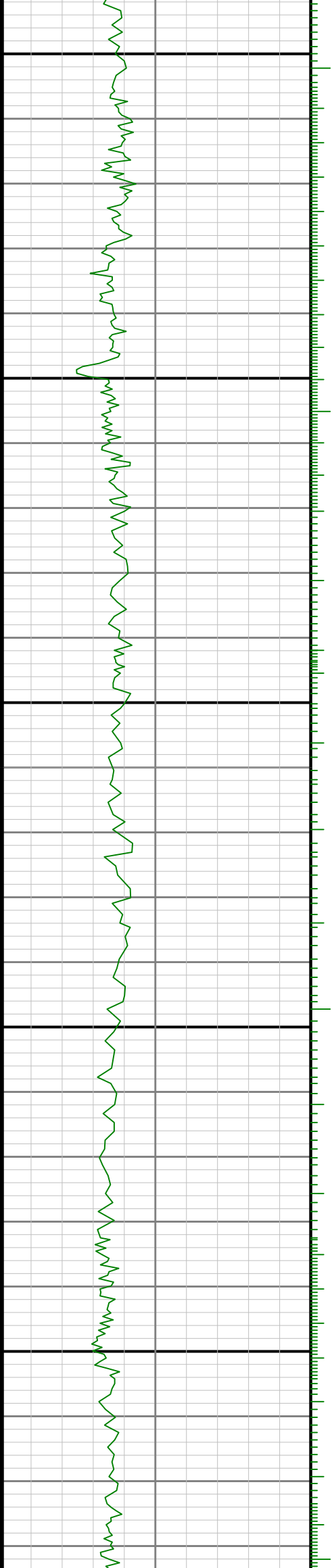
LWD MEMORY LOG										
<div><div><div>BAKER HUGHES</div><div>a GE company</div></div><div></div></div>			Gamma Ray							
Scale: 1:240 MD			Company: Verdad oil and Gas Corporation							
Depth Reference:			Well: Helen 24-4H							
Driller's Depth			Field: Weld							
Status:			County: Weld							
Final Print			State: Colorado							
API No: 05-123-46800-00			Surface Location: Latitude: 040° 07' 12.209" N Longitude: 104° 30' 06.199" W				Other Services: Directional			
Job ID: 9172894			SEC: 24 TWN: 2N RGE: 64W							
Permanent Datum (P.D.): Mean Sea Level			Elevation: Above P.D.		0.00 ft 4942.00 ft		Elev. KB: 4942.00 ft Elev. DF: 4925.00 ft Elev. GL:			
Log Measured From: Rig Floor										
Dates			Interval Drilled				Magnetic Field Reference			
Date From: 2018-05-14			Top: (ft) 1767.00		Azi Reference North: True		Dip Angle: (deg) 66.65			
Date To: 2018-05-28			Bottom: (ft) 16721.00		Total Magnetic Field Strength: (nT)		52208			
Spud Date: 2018-05-14			Mag to Reference North Correction: (deg) 8.14							
Borehole Record										
Casing Record										
Hole Size (in)			From (ft)		To (ft)		Size (in)		Weight (lb/ft)	
13.500			17.00		1767.00		9.625		36.00	
8.500			1767.00		16721.00					
Mud Record										
Deviation Record										
Type			From (ft)		To (ft)		Hole Size (in)		Interval (ft)	
Water Based Mud			17.00		1767.00		13.500		1750.00	
Diesel-Oil Based Mud			1767.00		16721.00		8.500		14954.00	
									27.03 209.35	
									27.03 227.38	
									91.41 184.99	
Acquisition System										
Software Version			Other							
Baker Hughes Cadence			RT 4.2		Xtreme 24		Rig: Contractor: District:			
Plot Studio			4.2.8155.1		Xtreme Drilling		Unit: D&E			

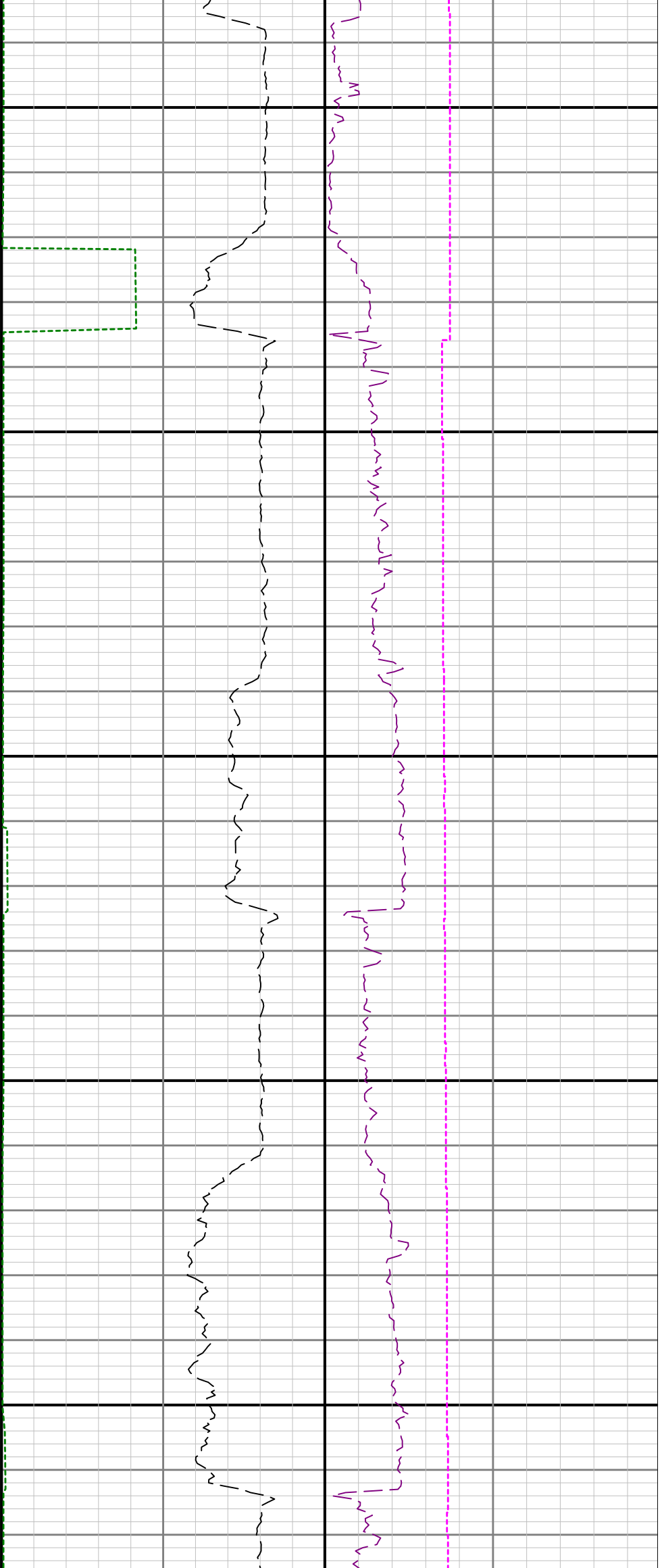




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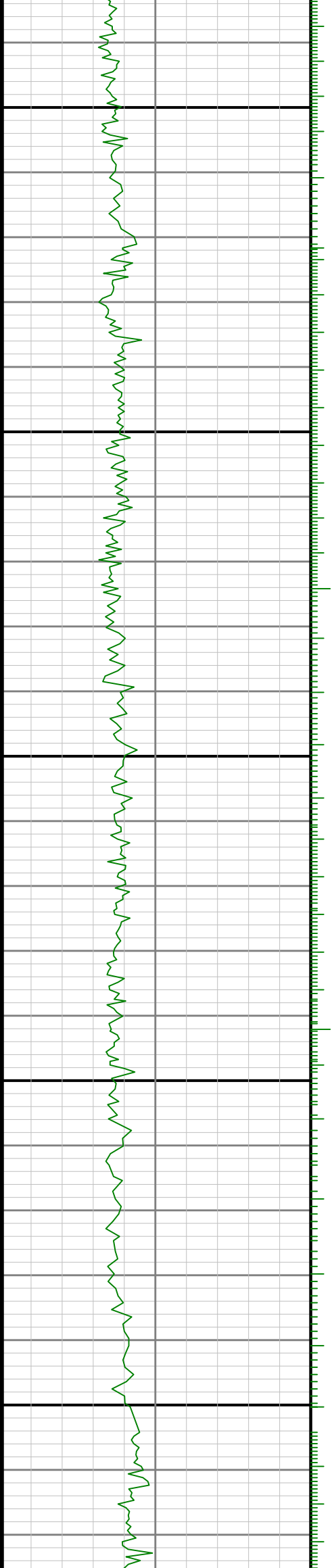


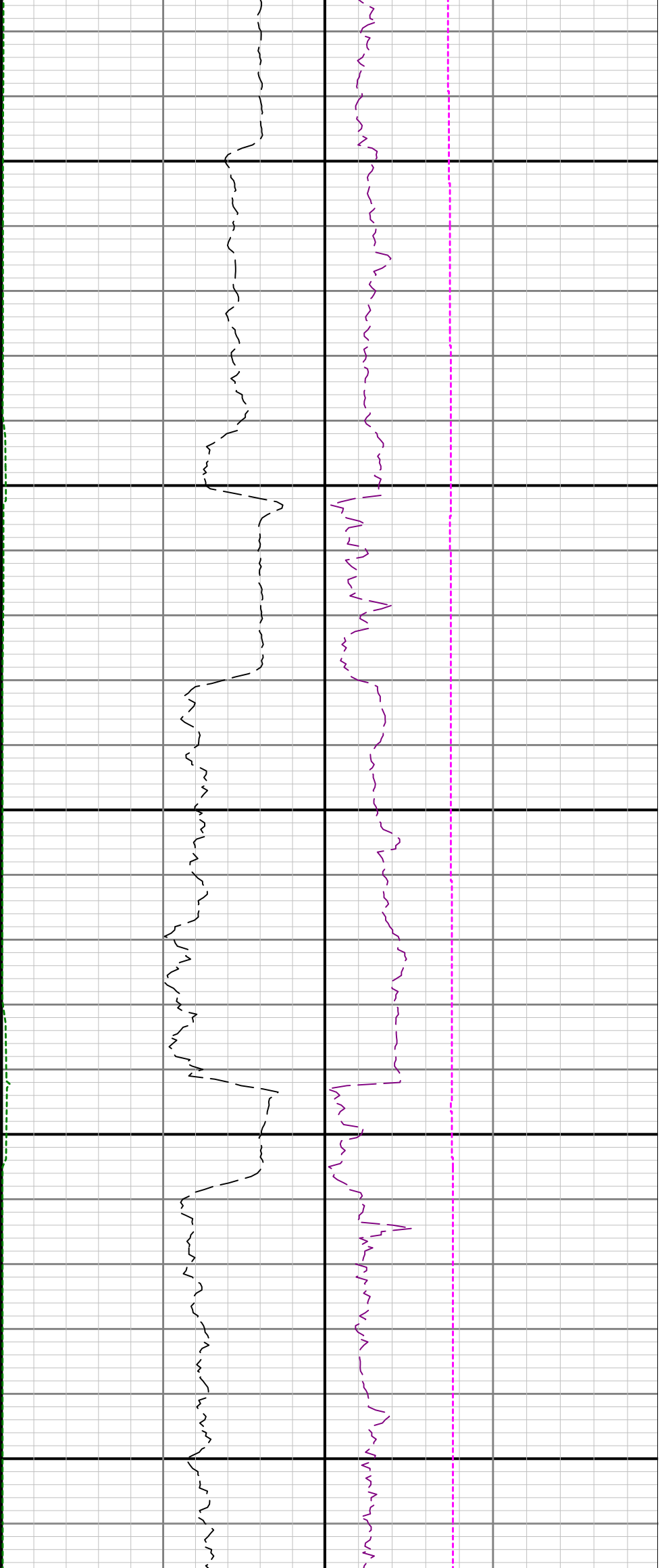


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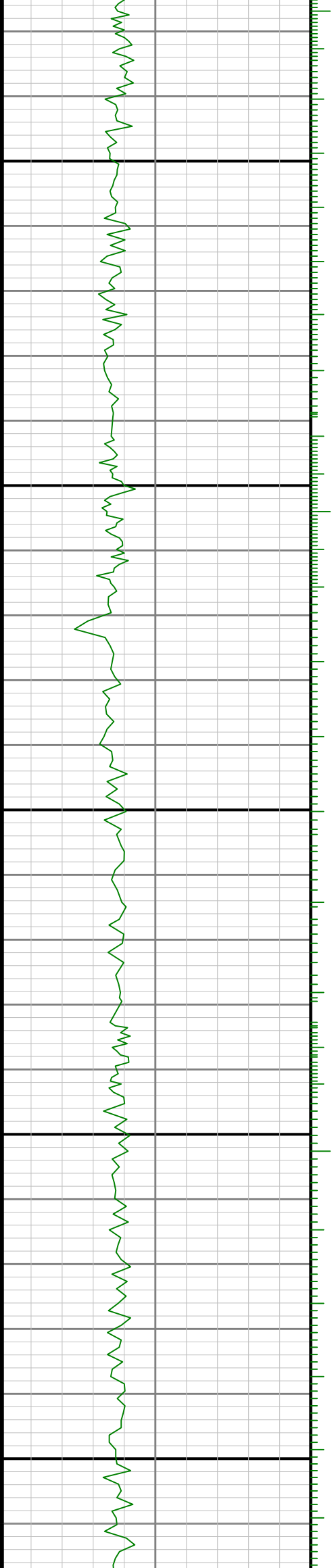
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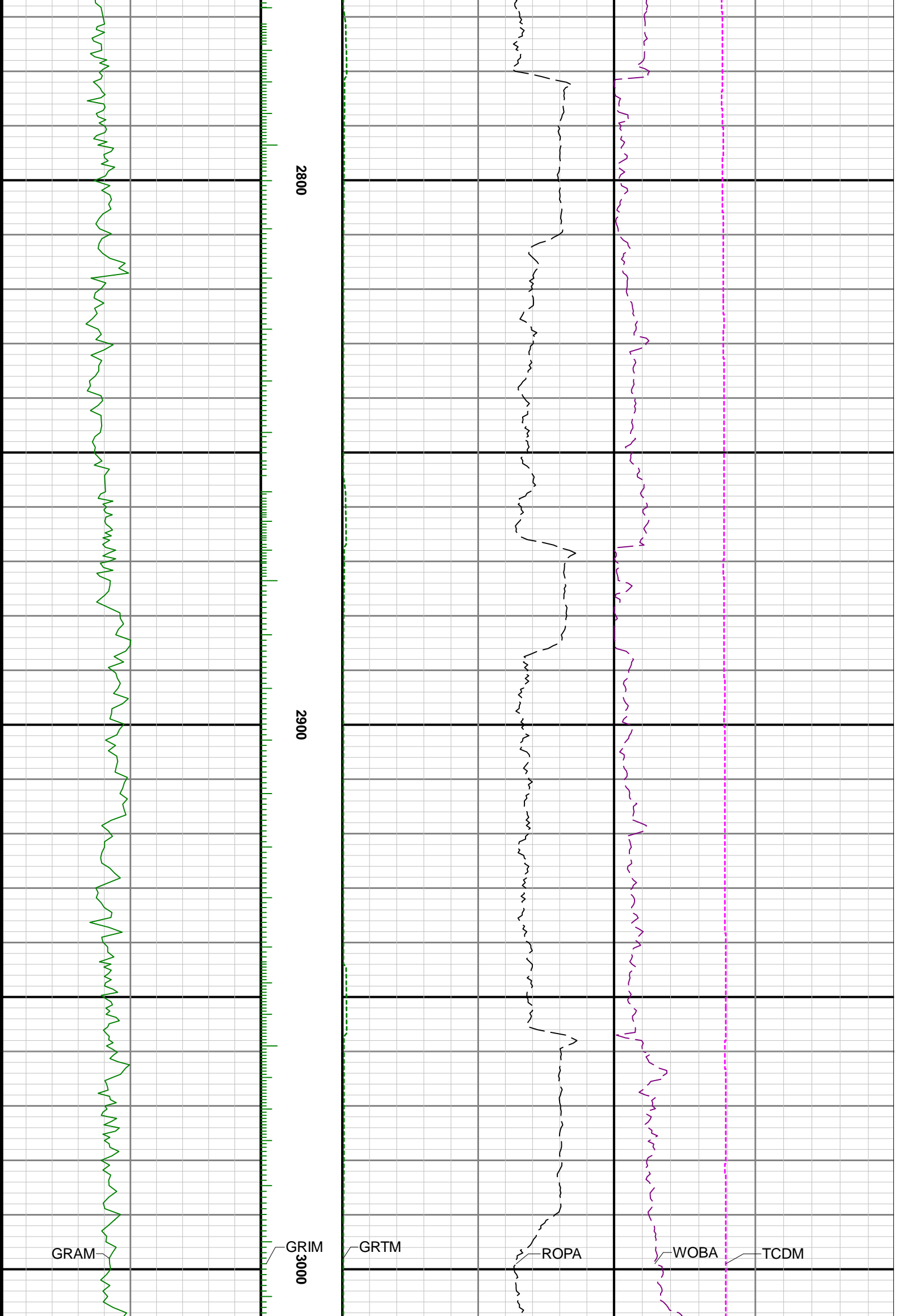


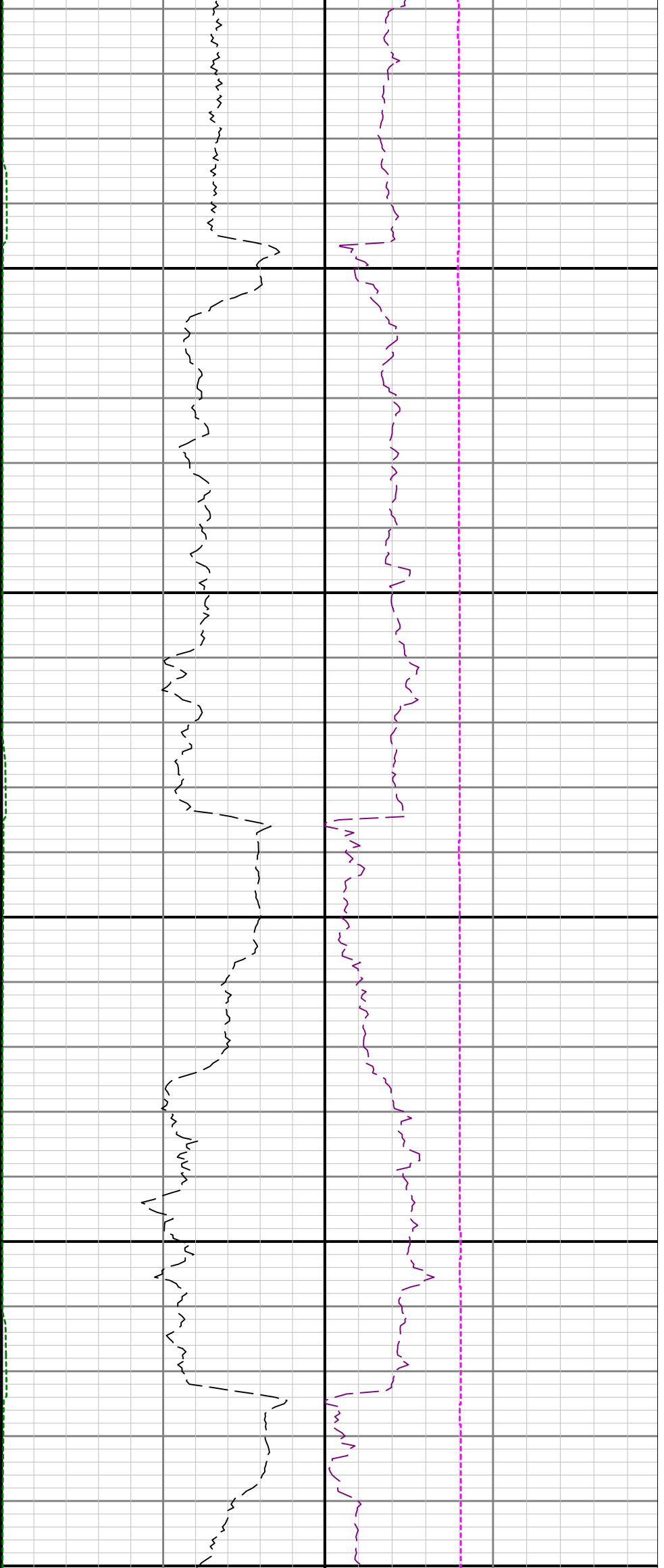


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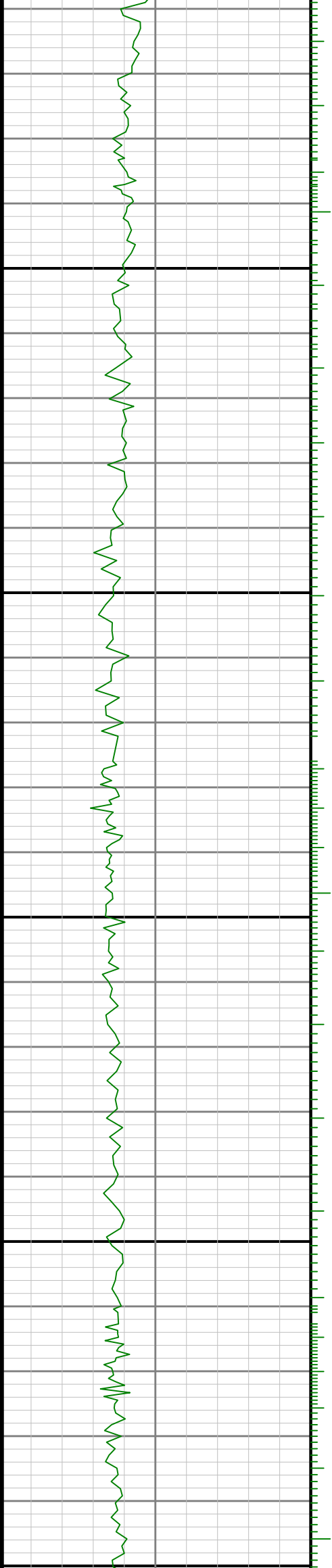


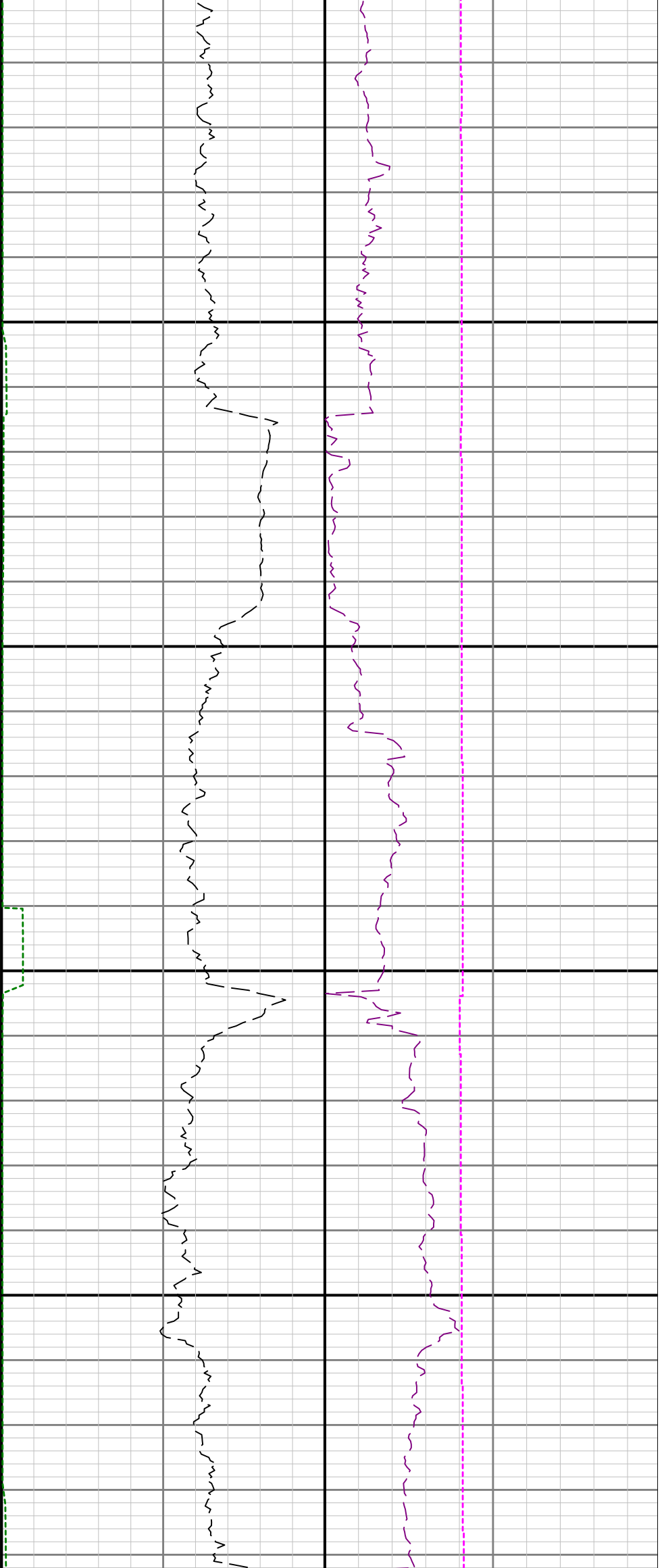




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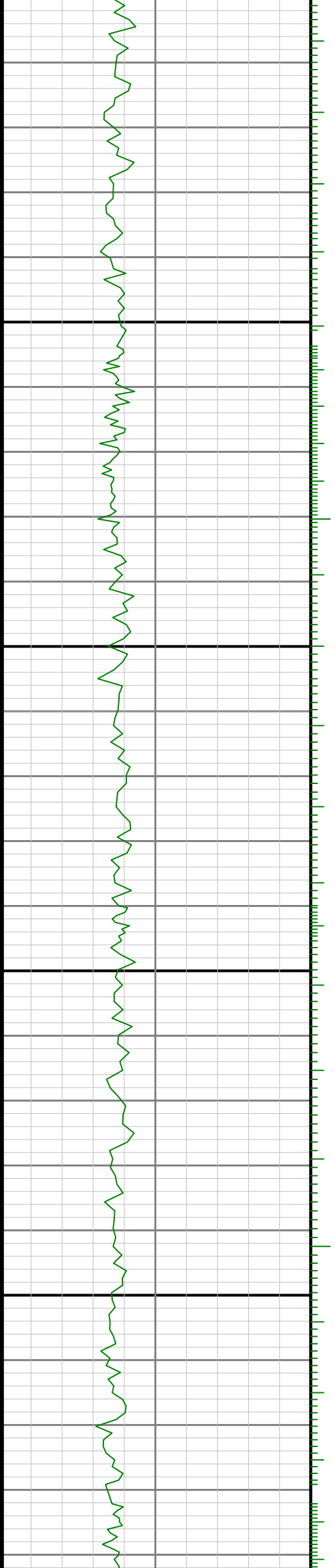
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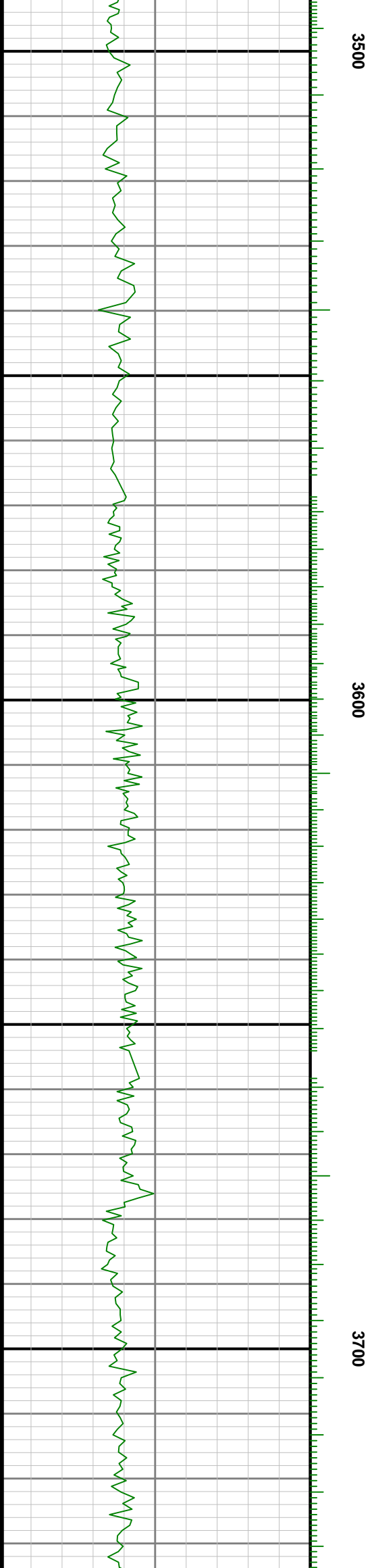


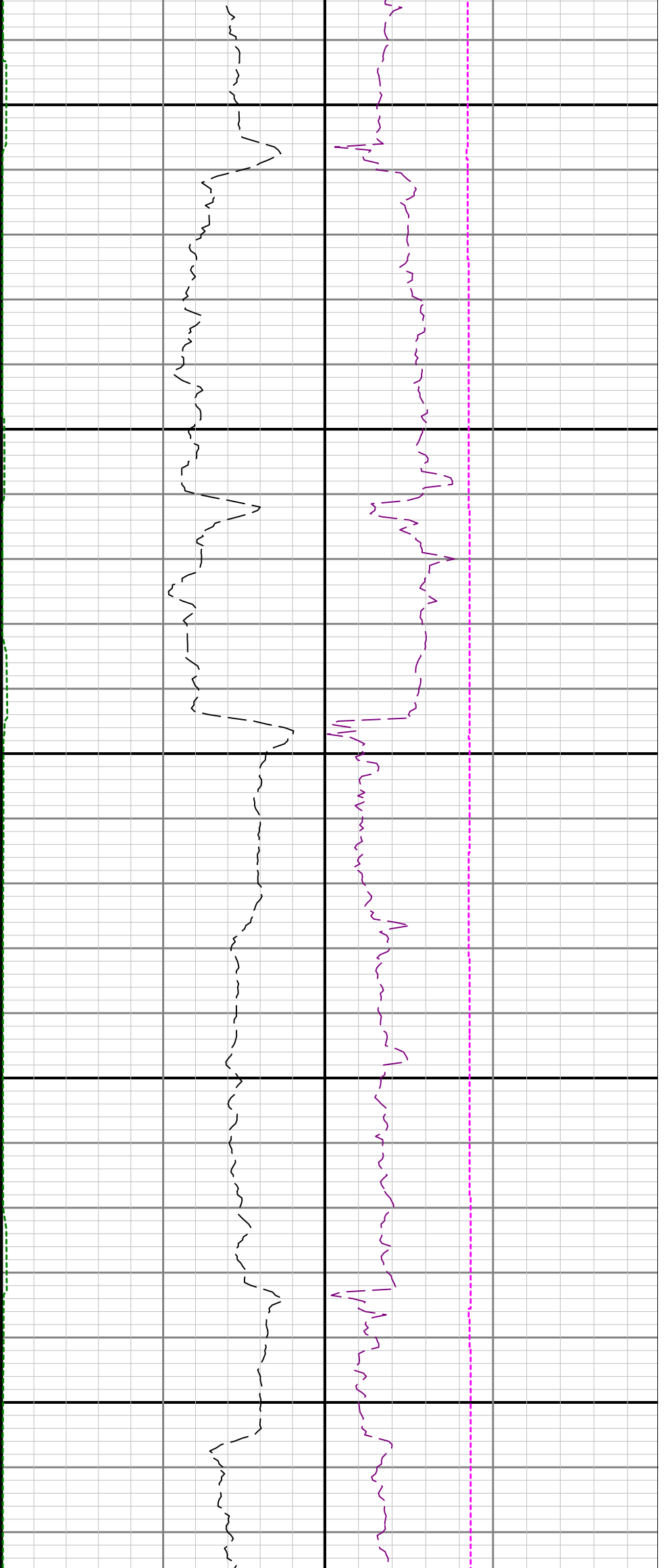


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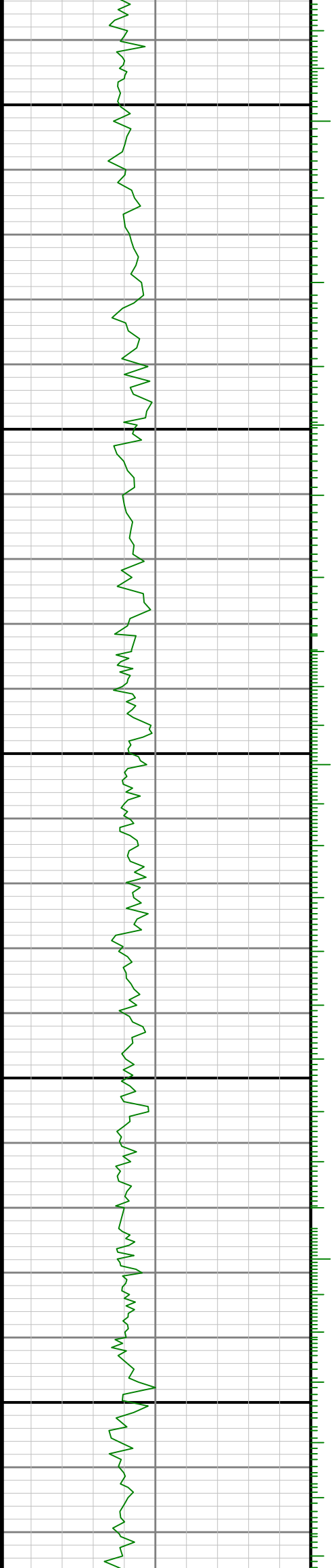


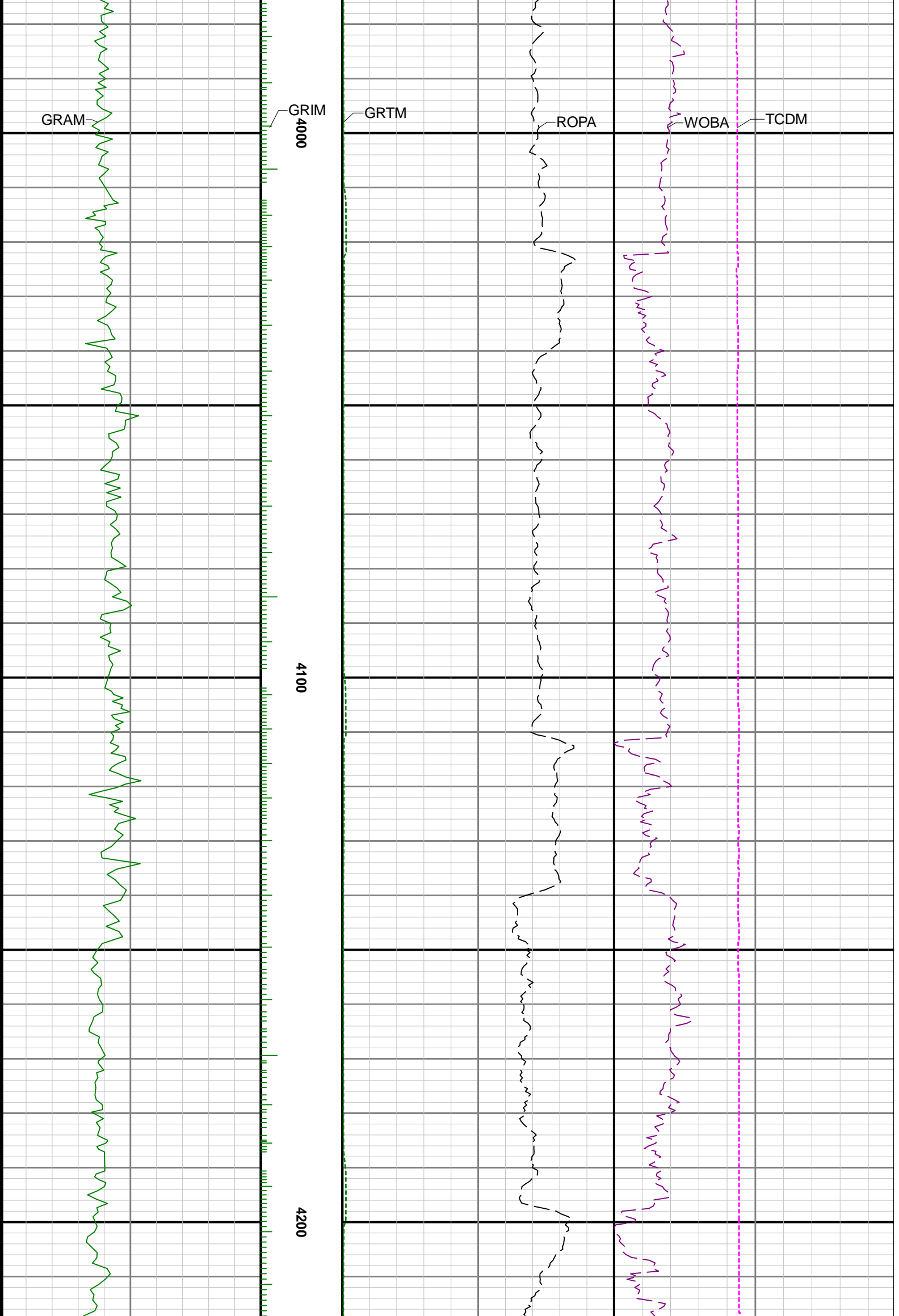


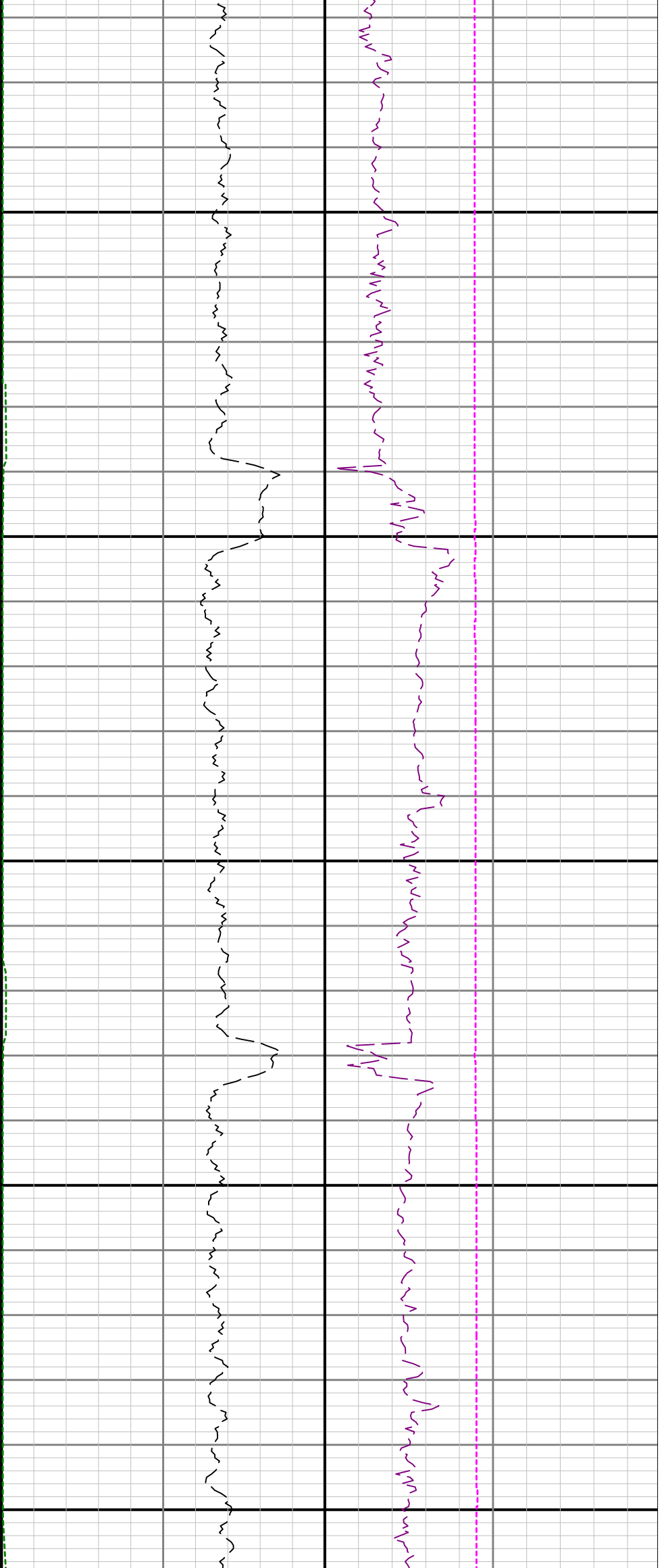


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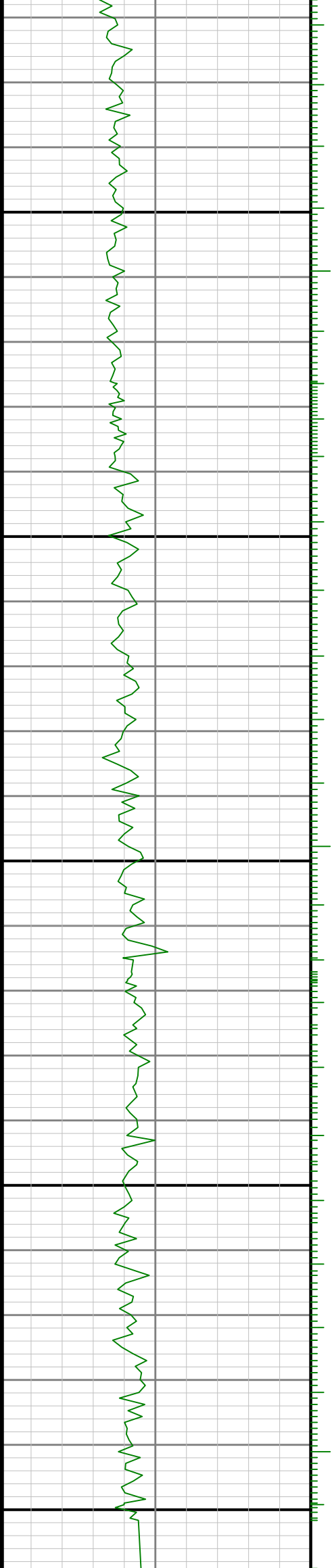


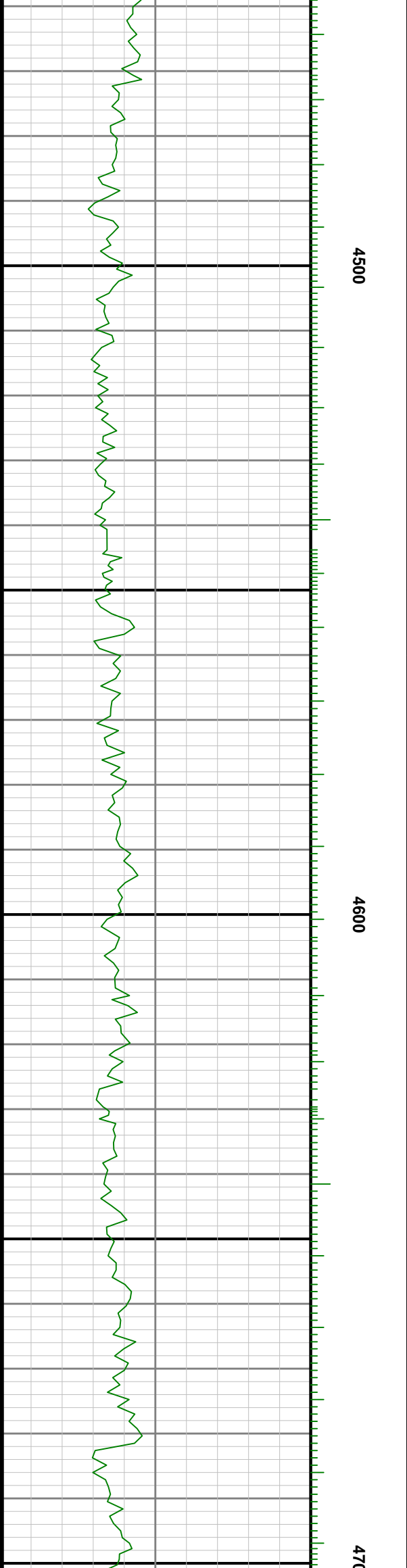
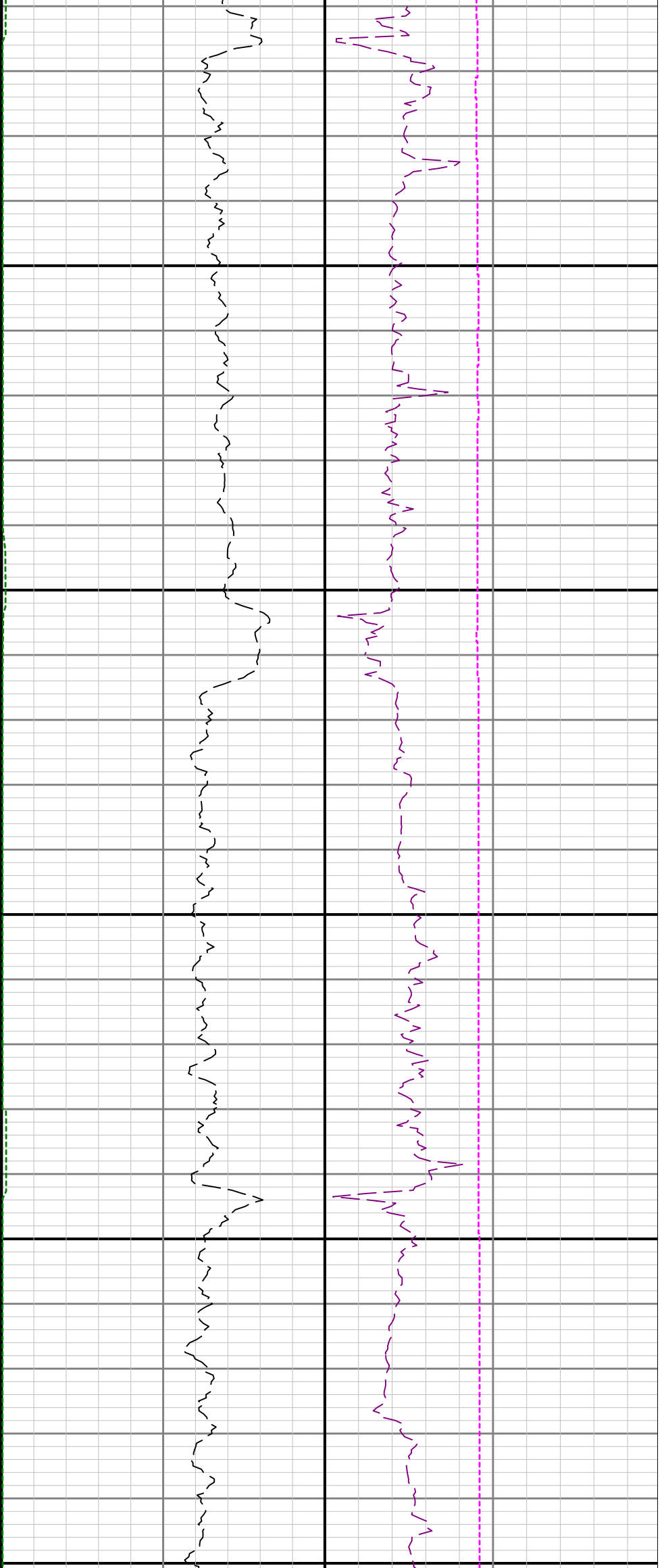


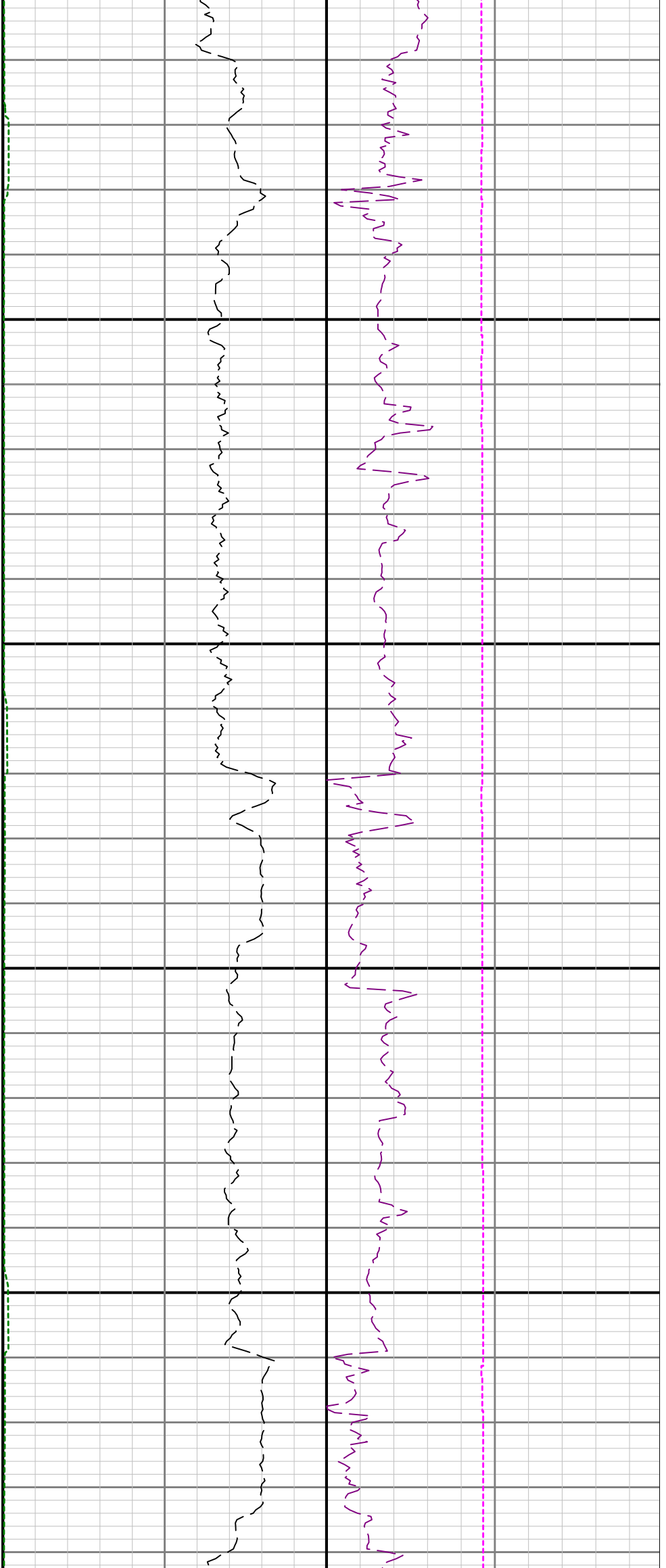


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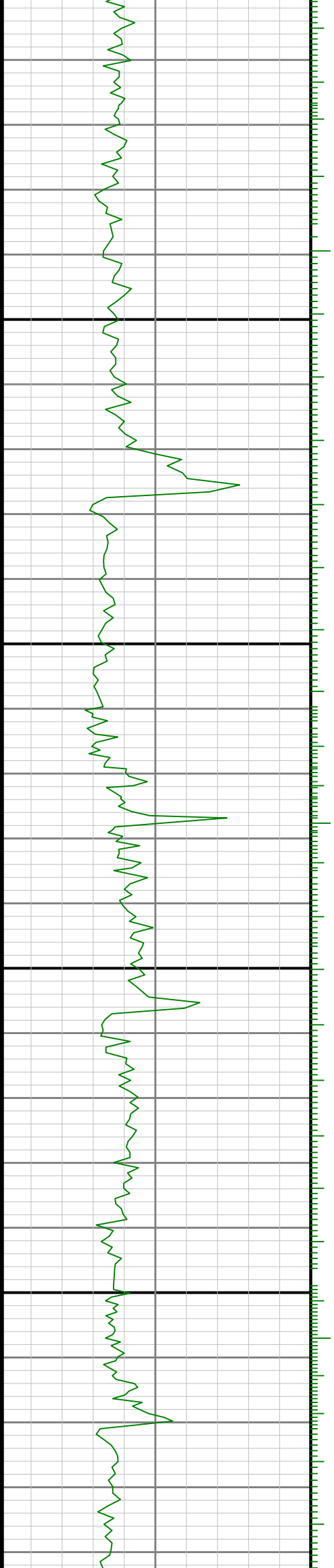
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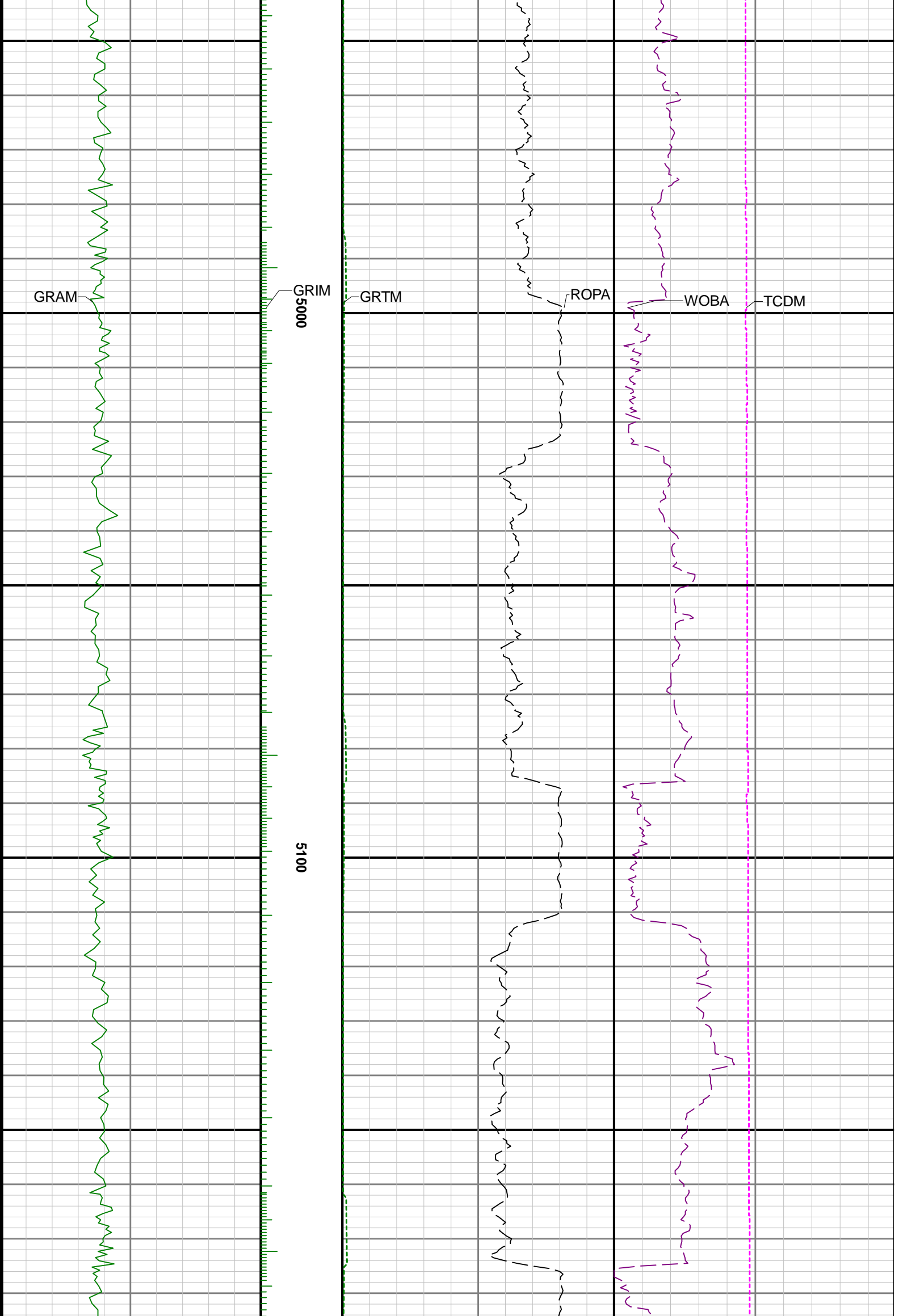


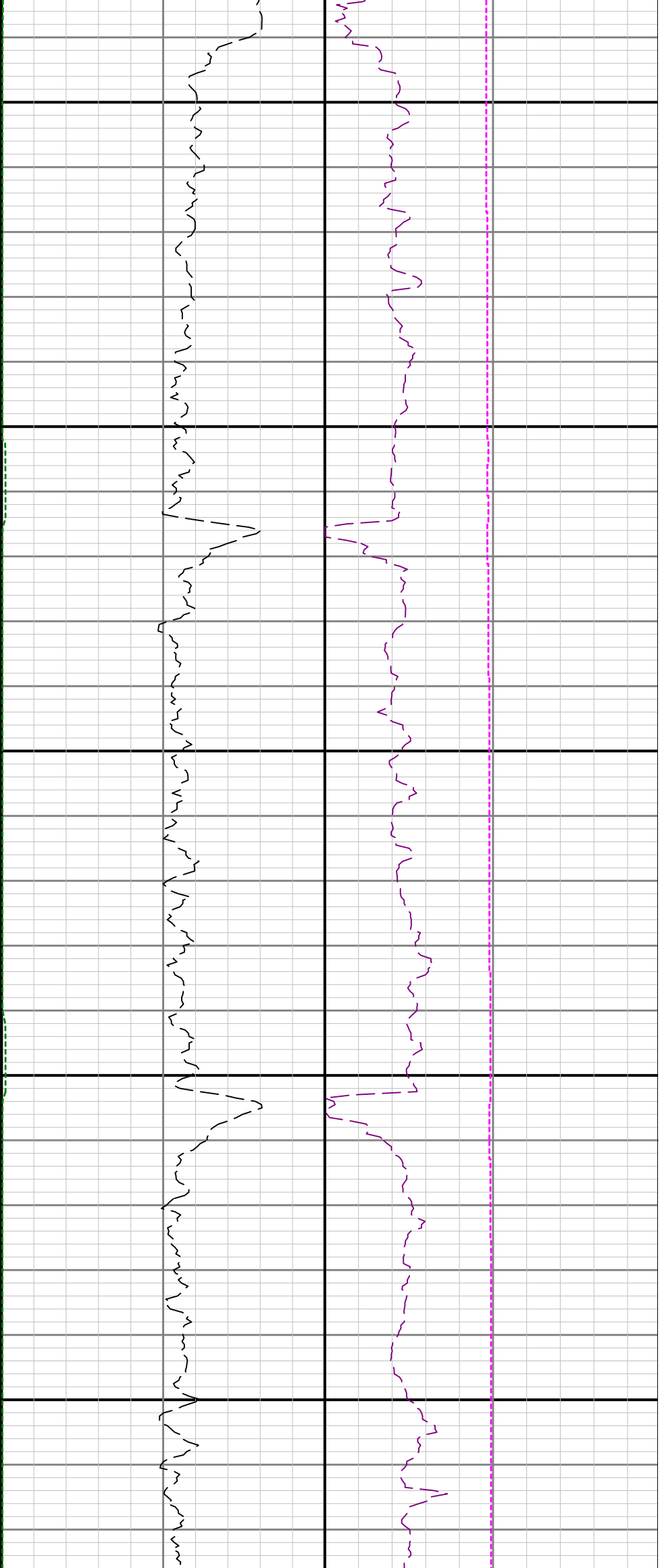




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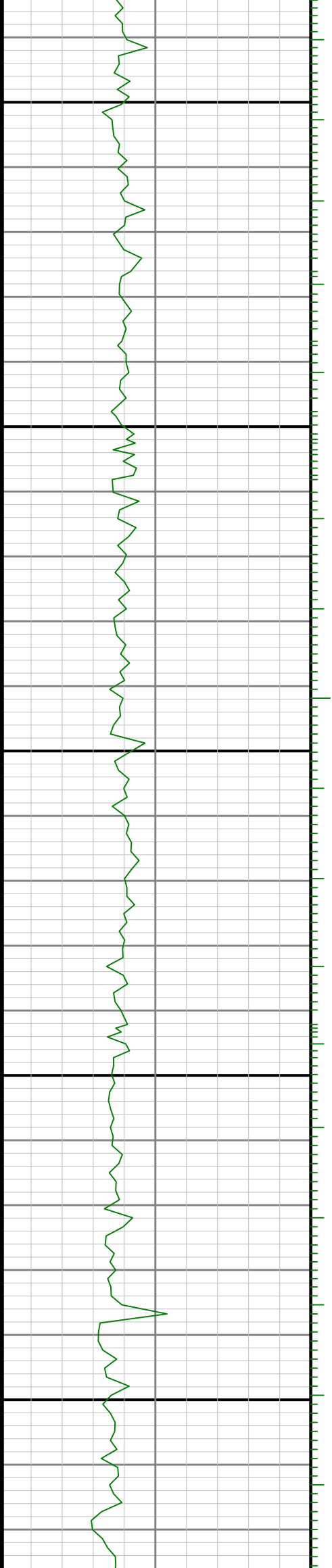


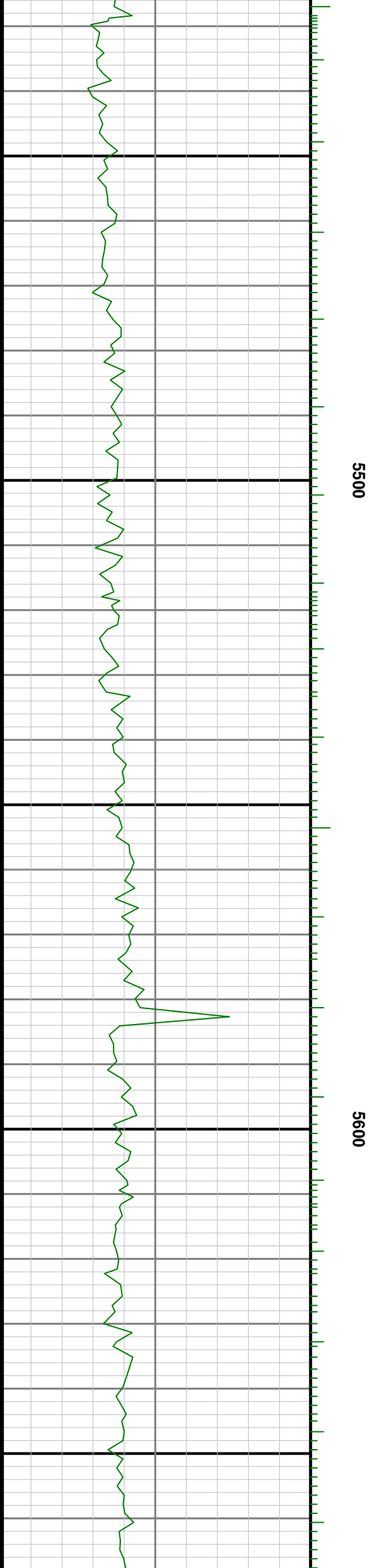
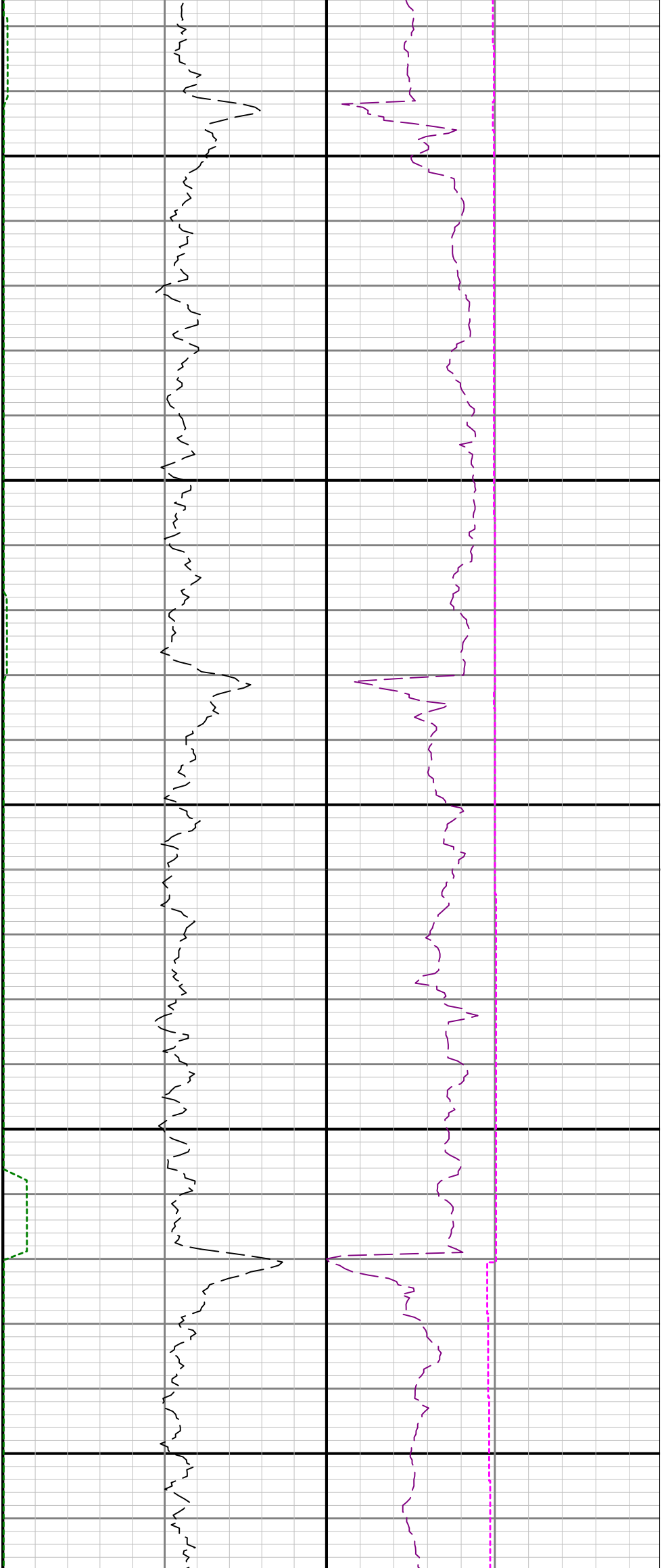


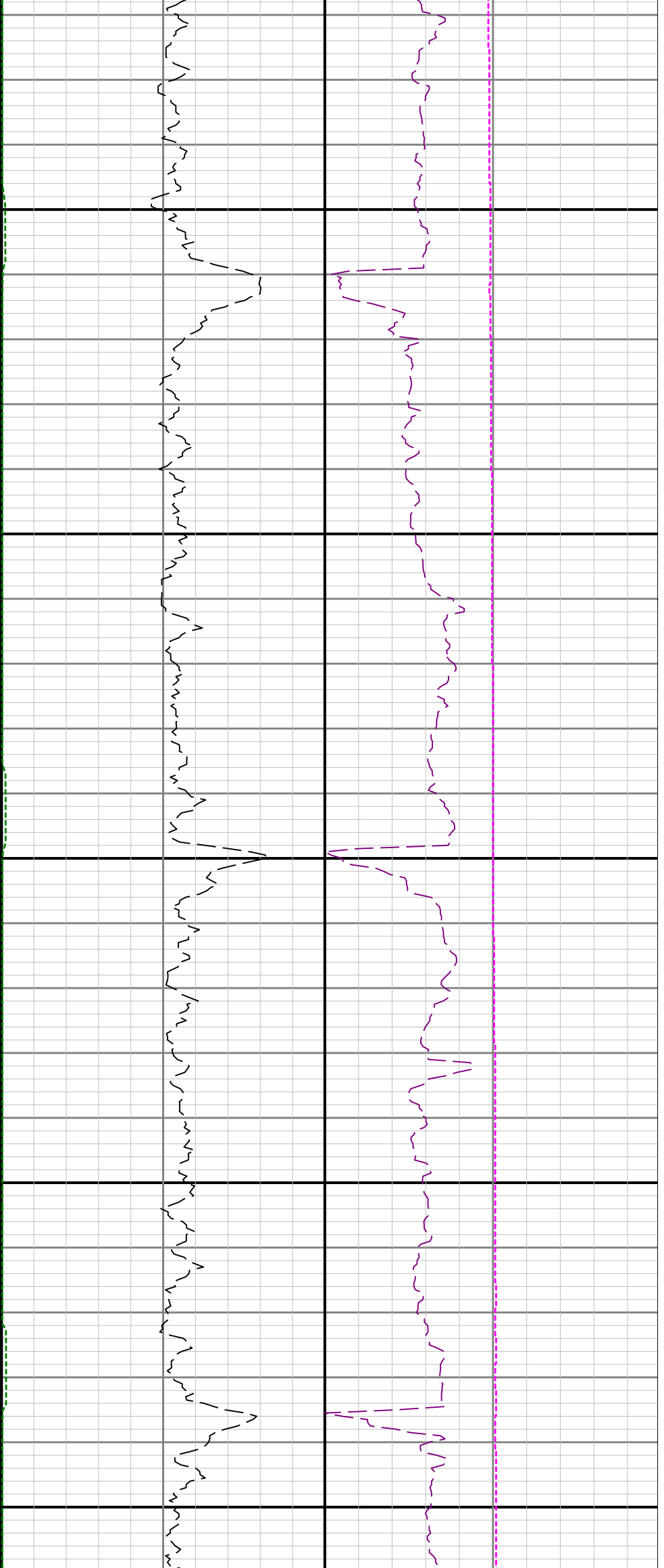
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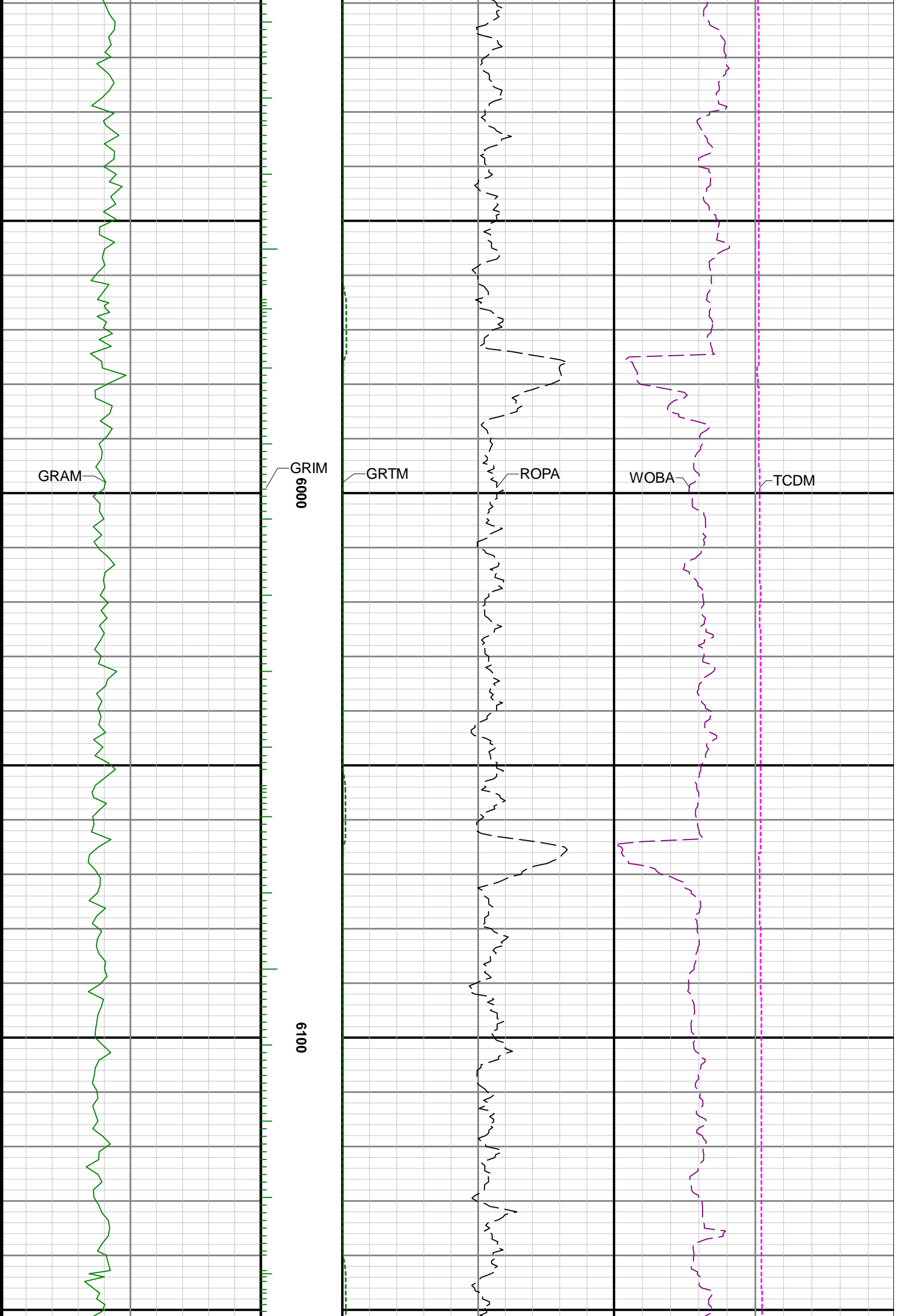




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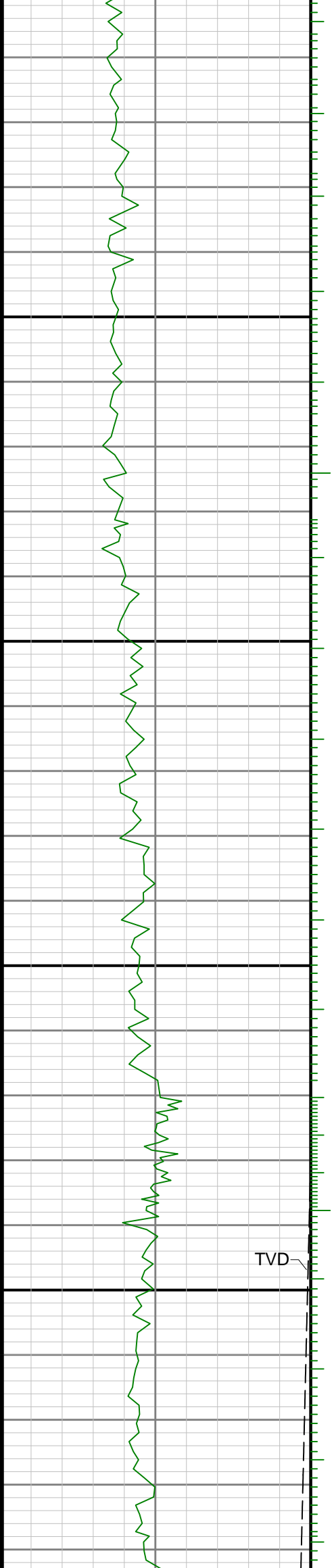


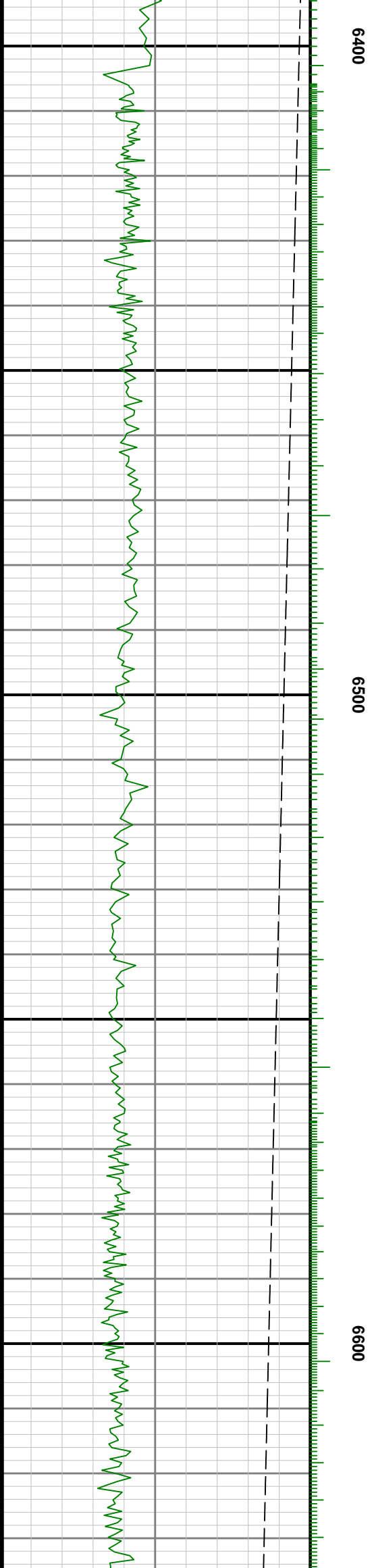
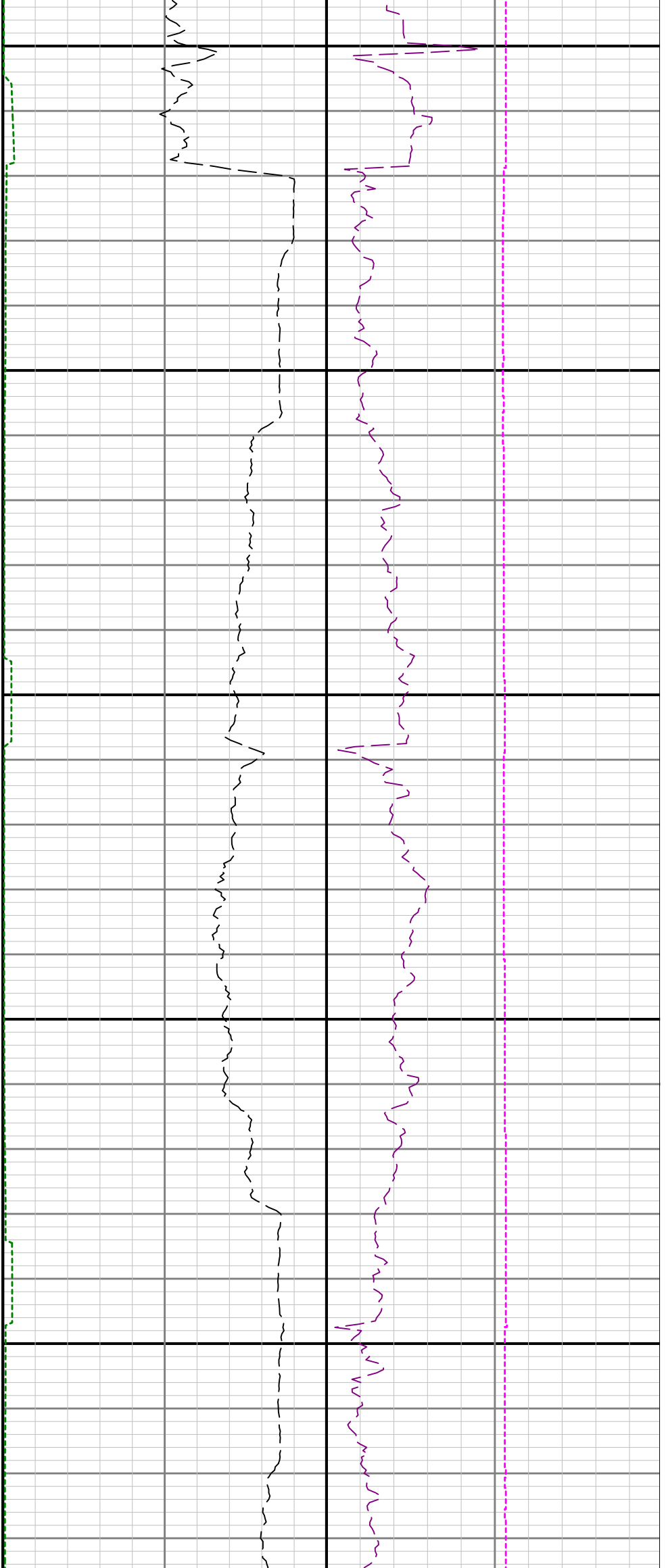


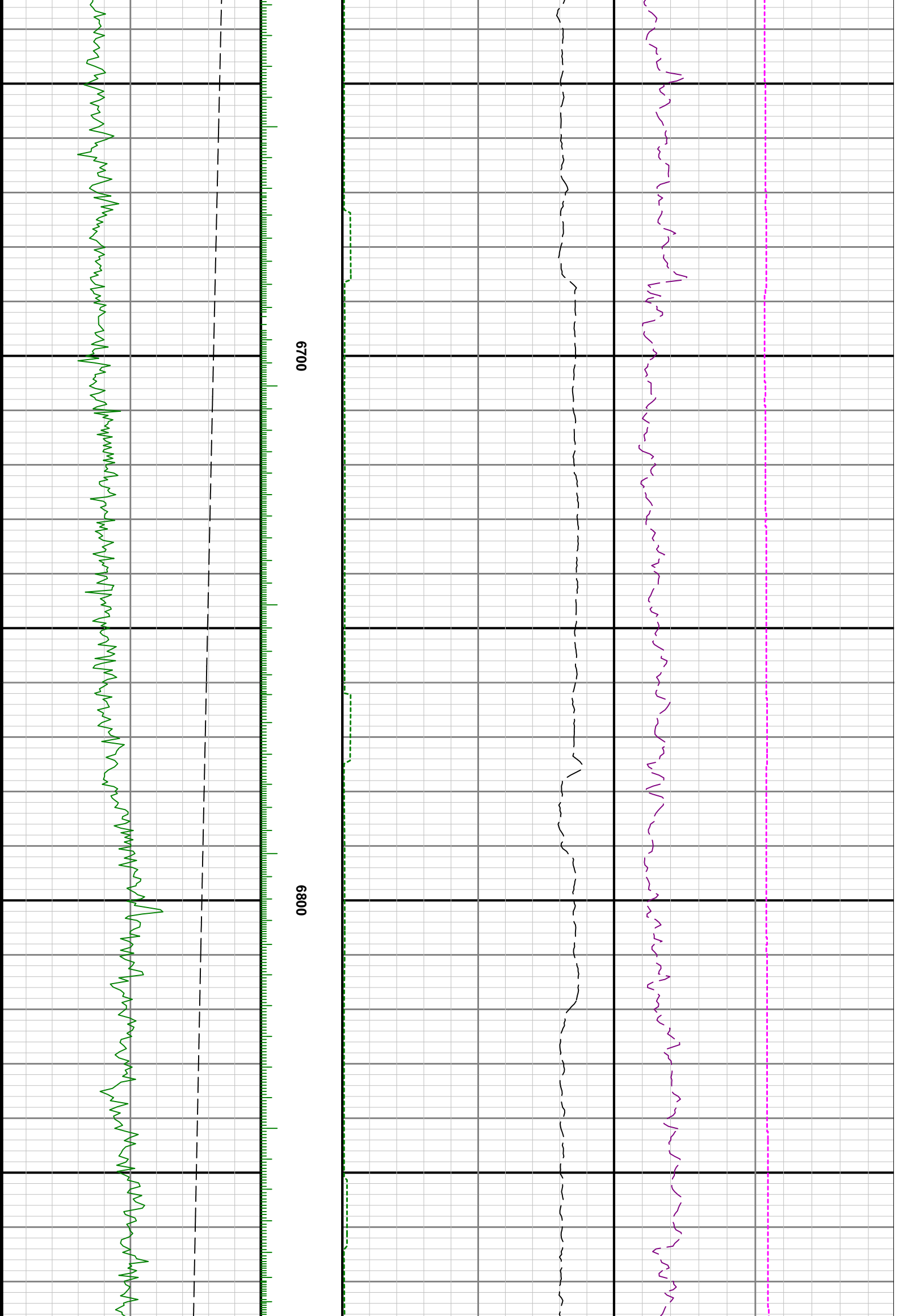
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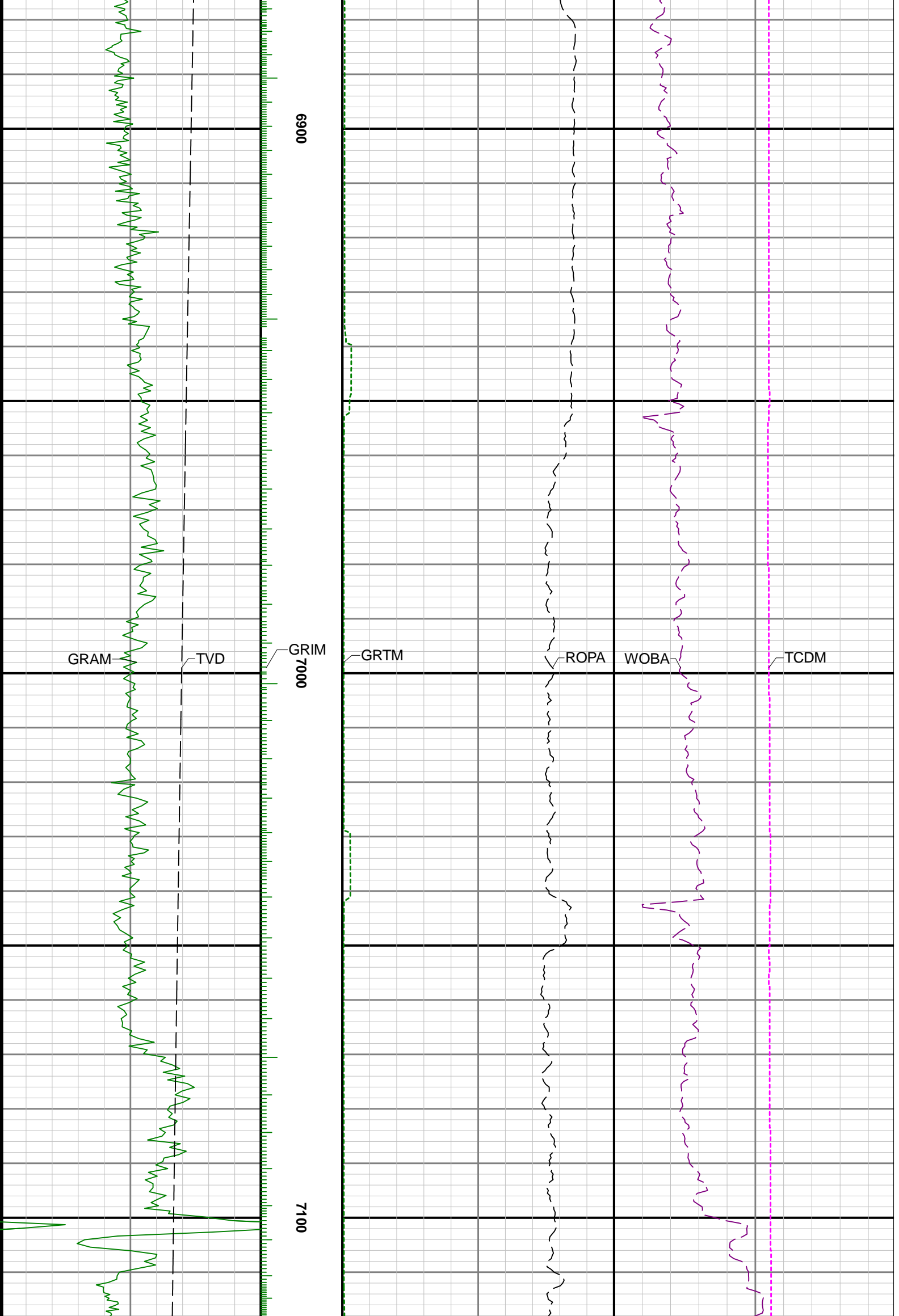
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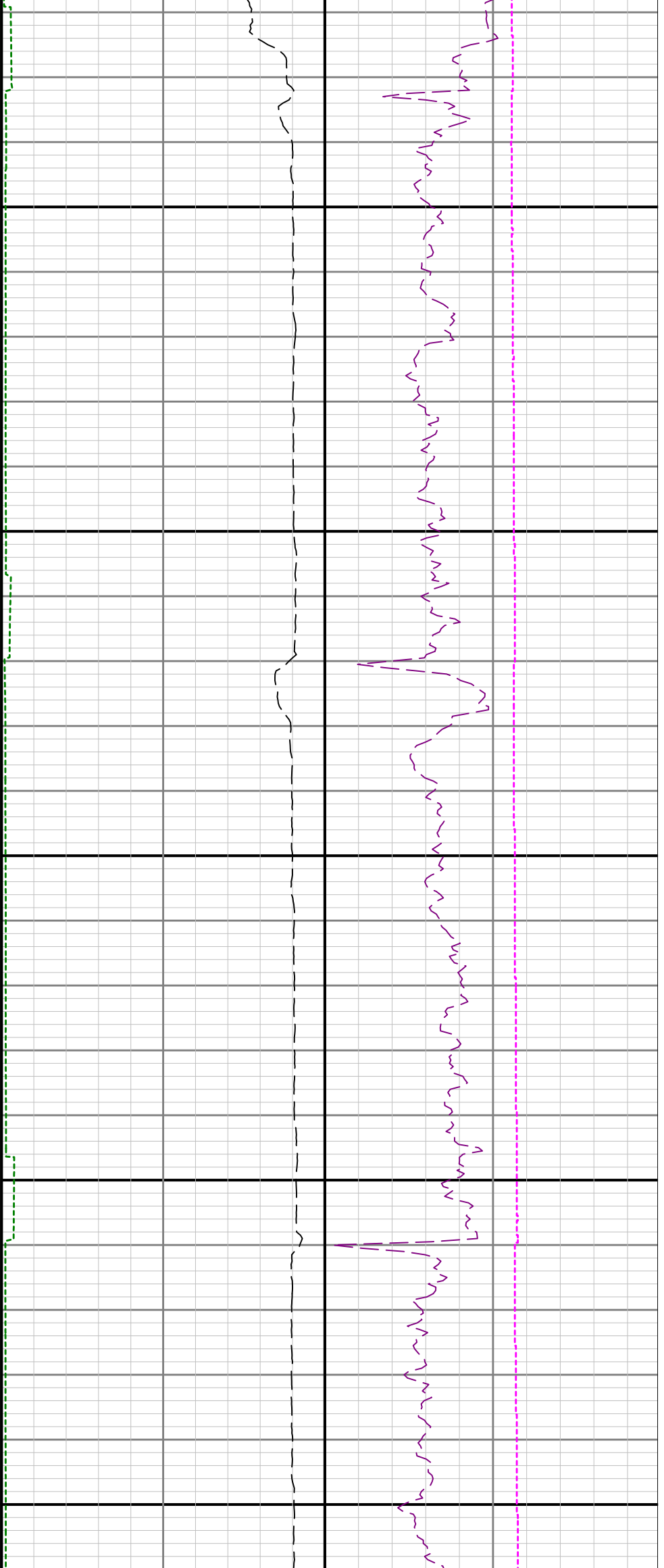
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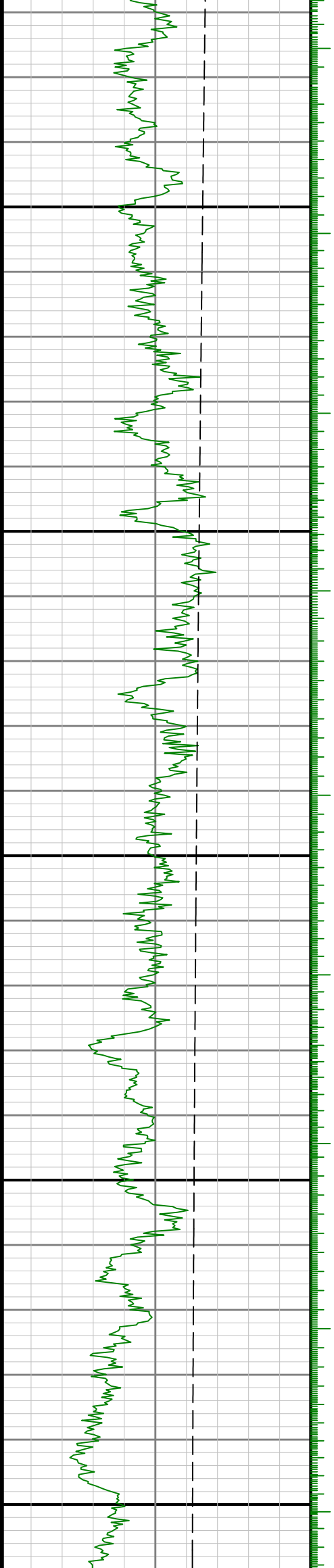


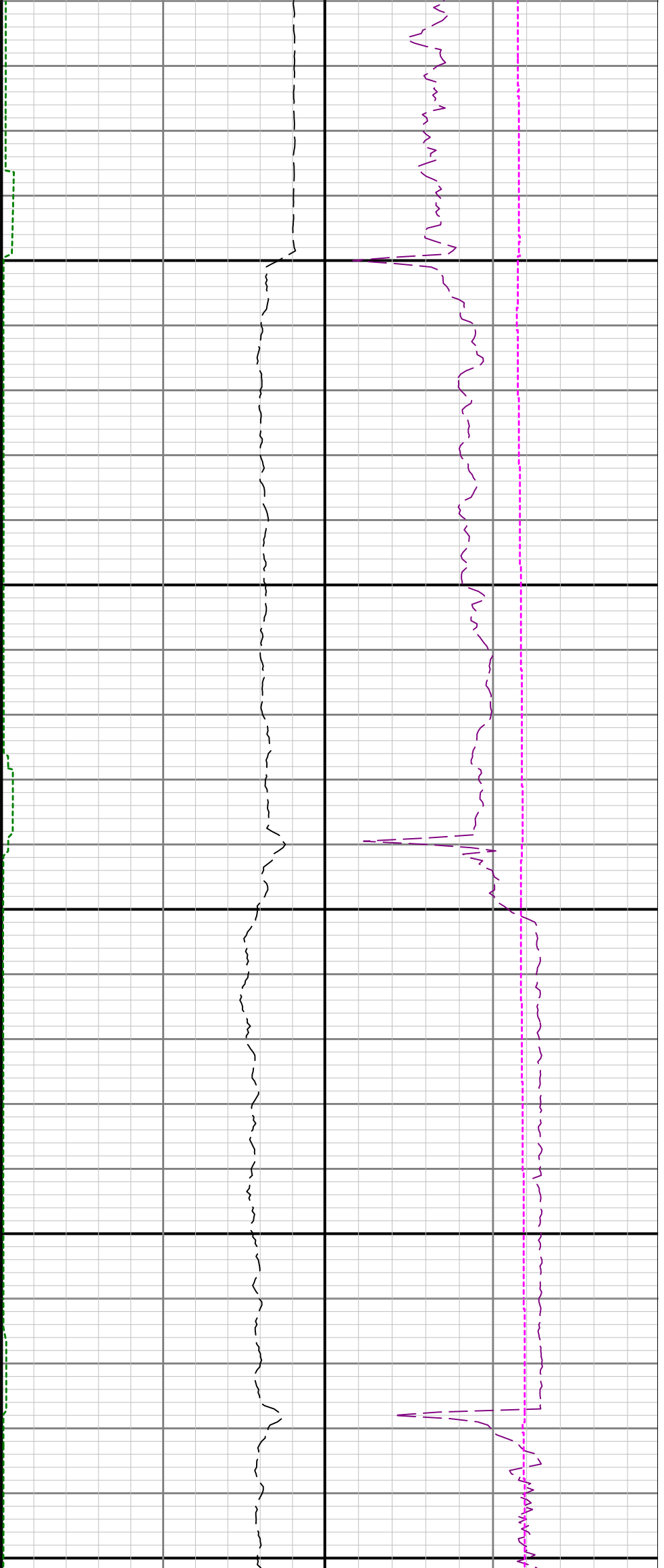




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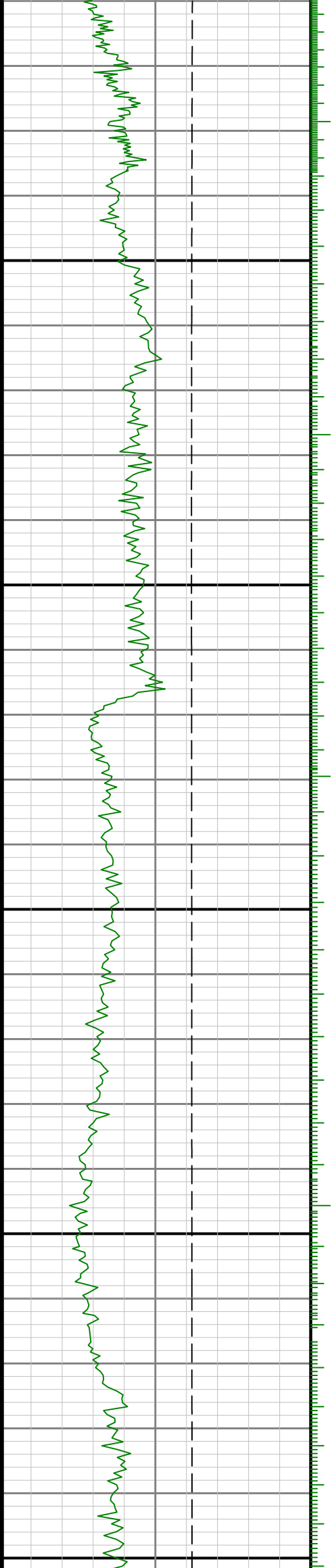


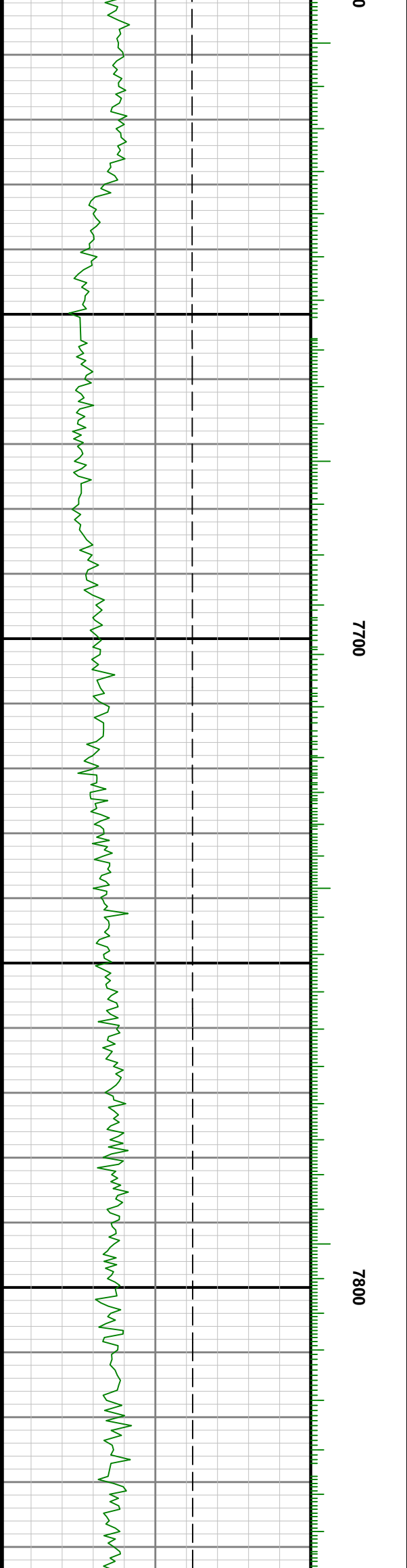
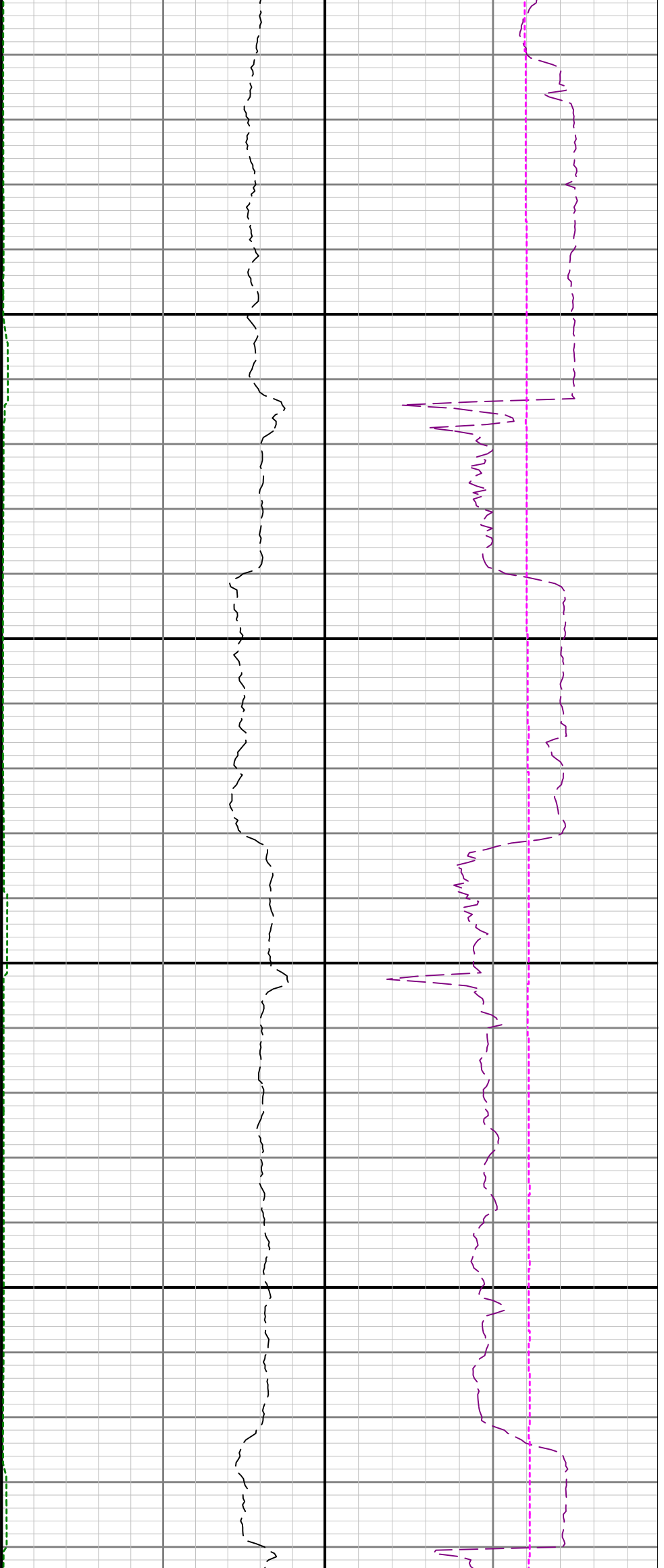


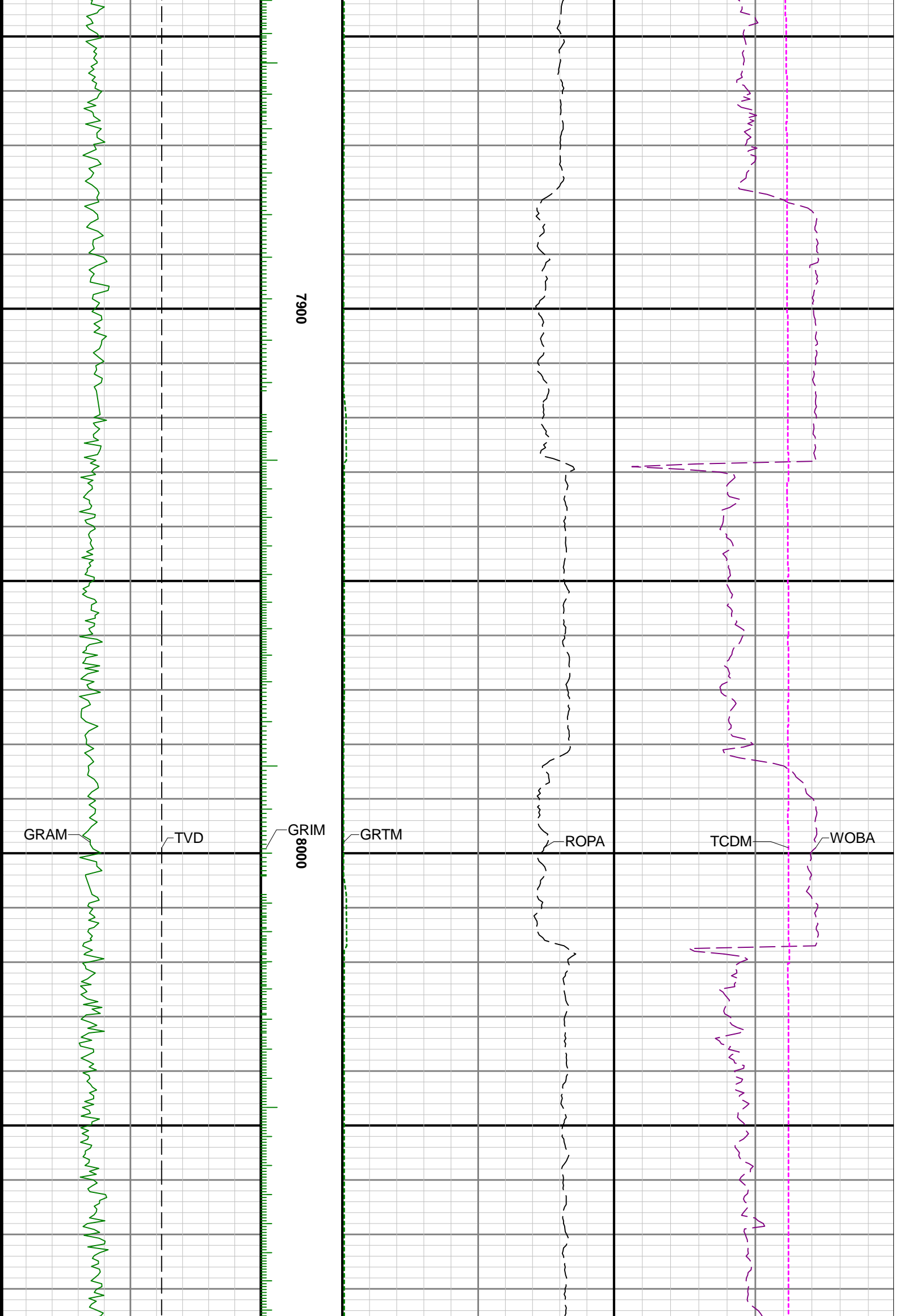
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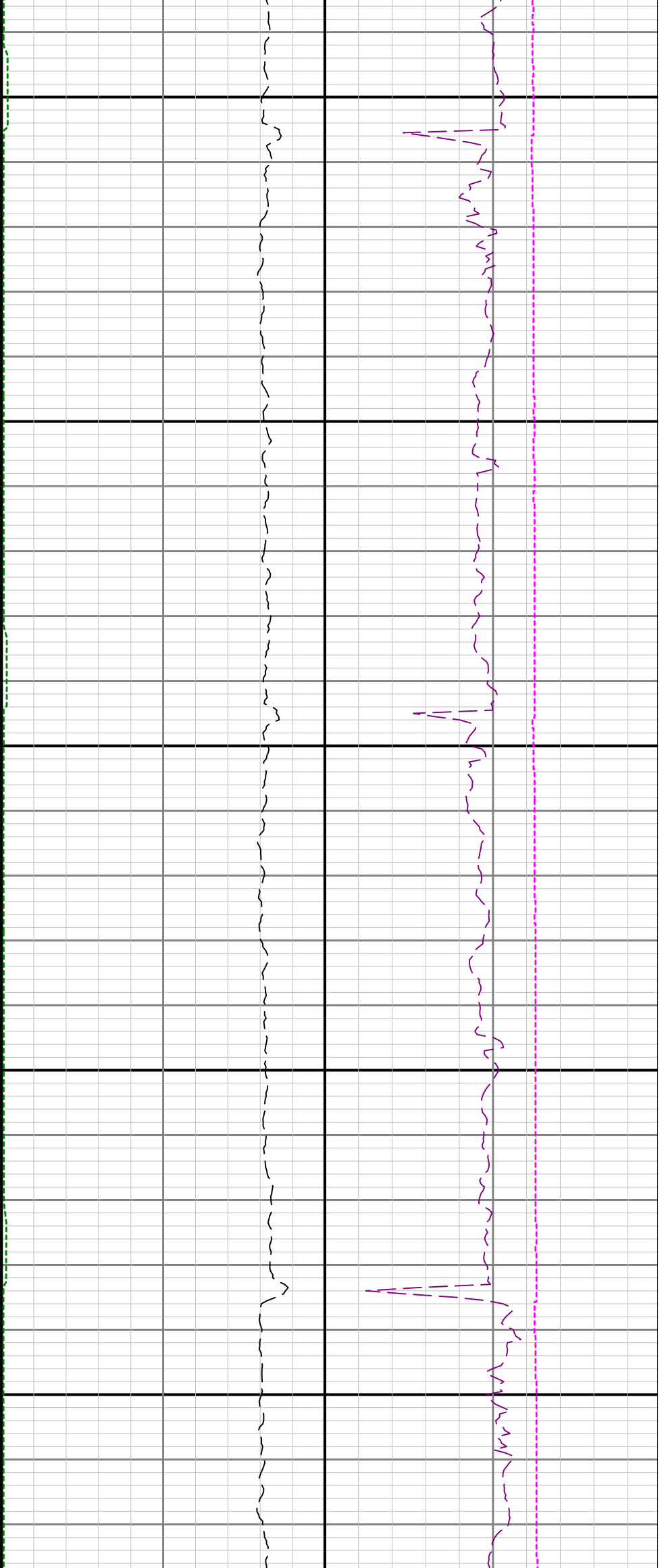
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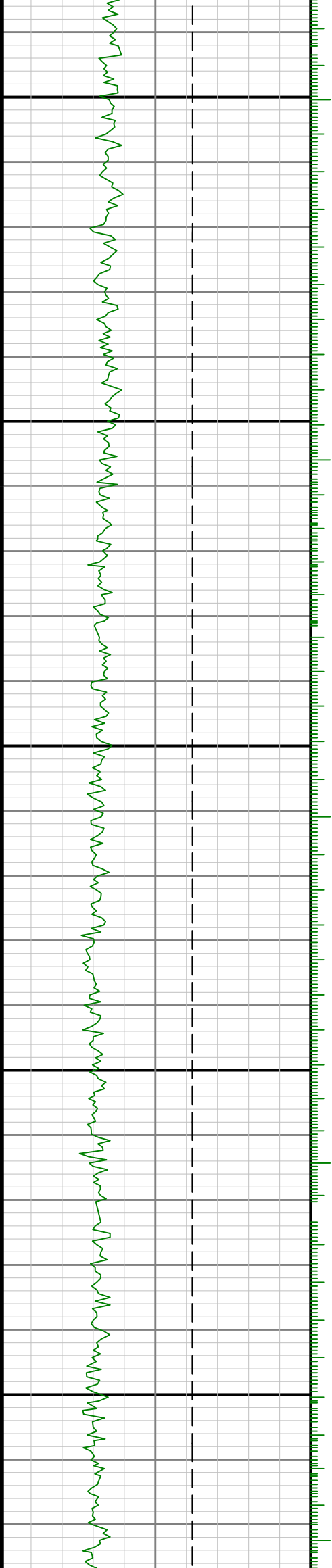


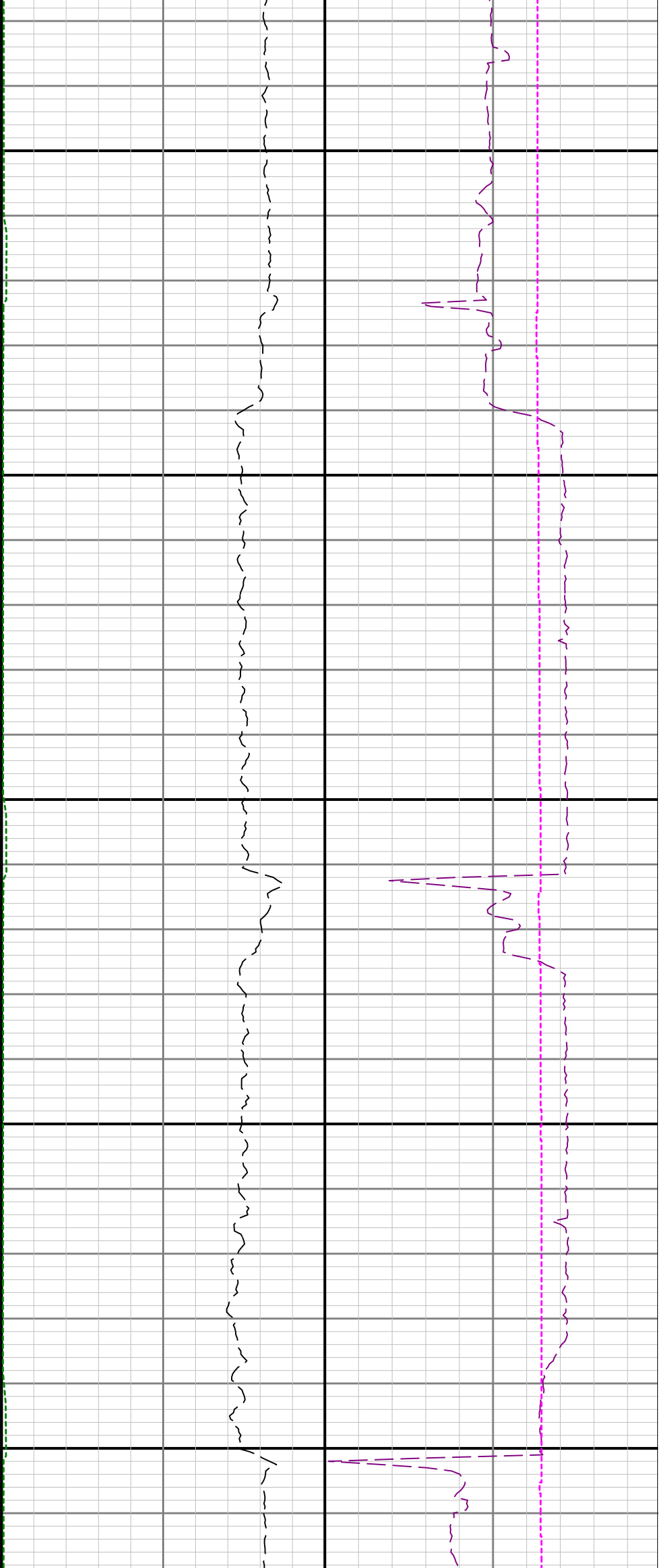


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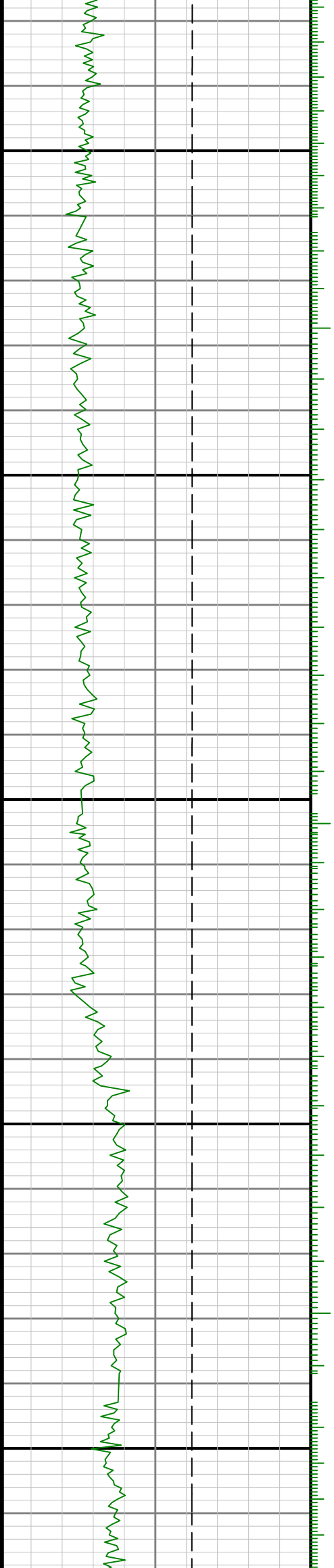
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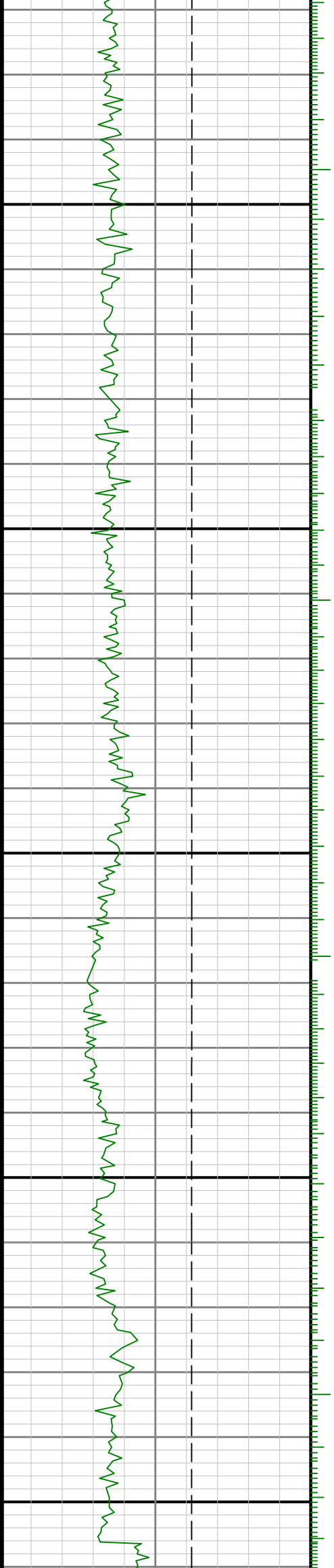




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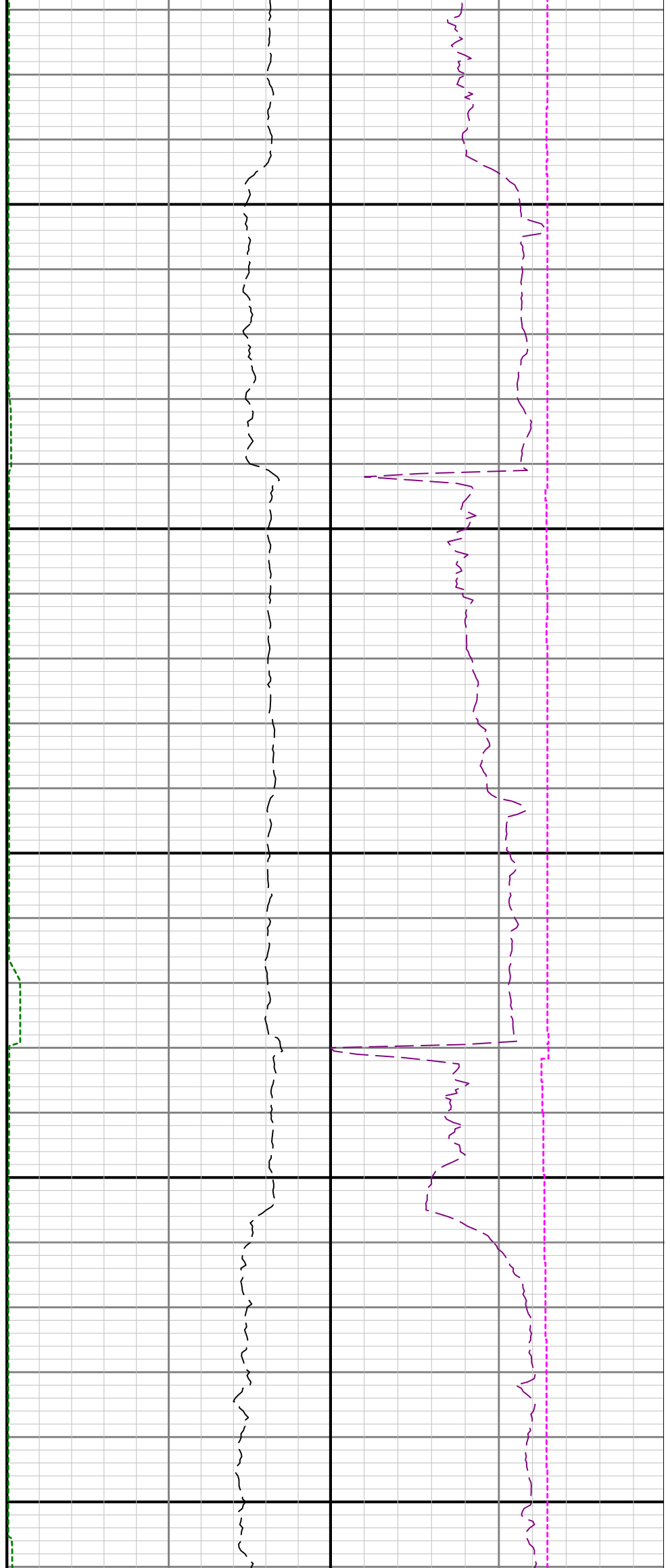


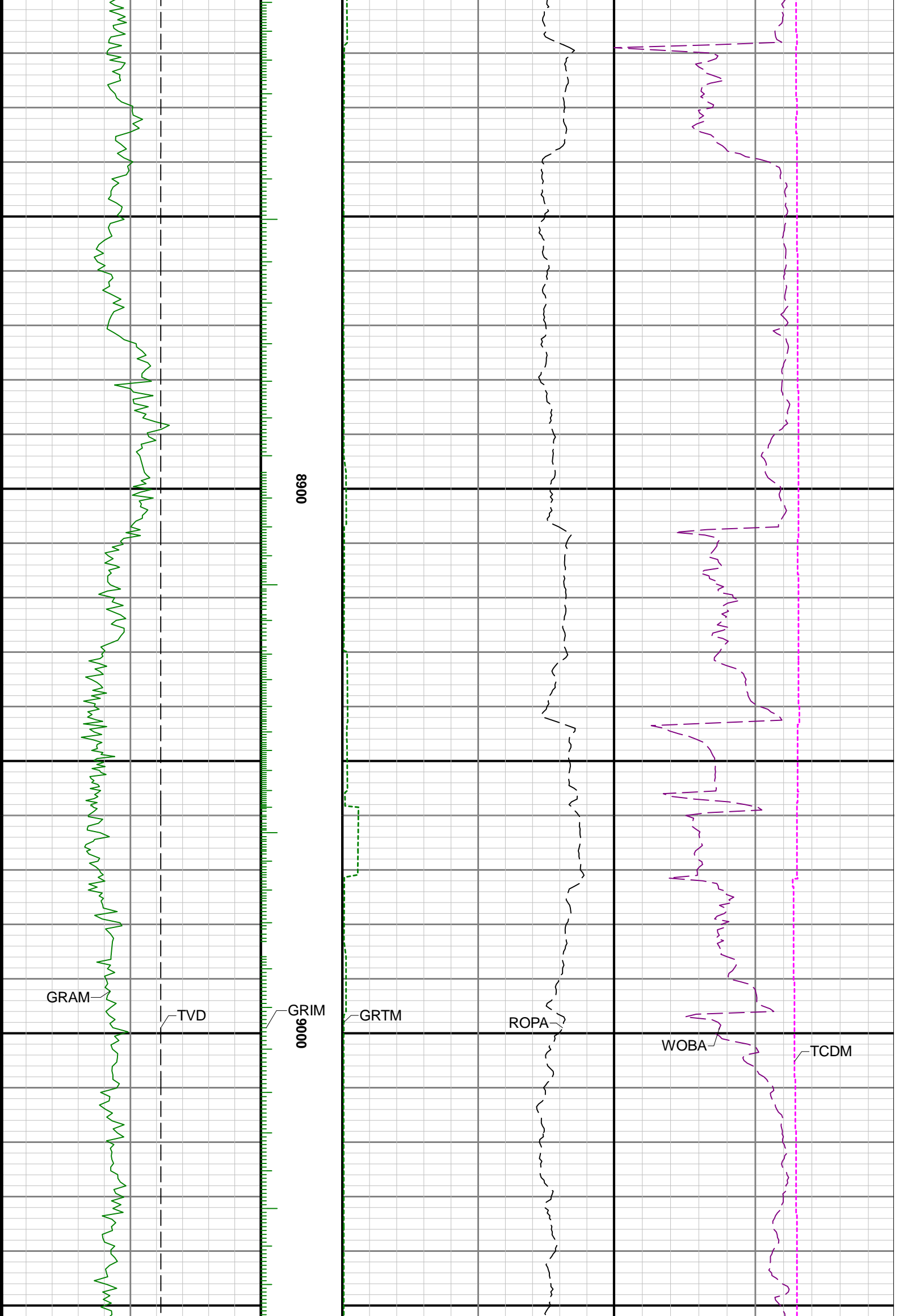


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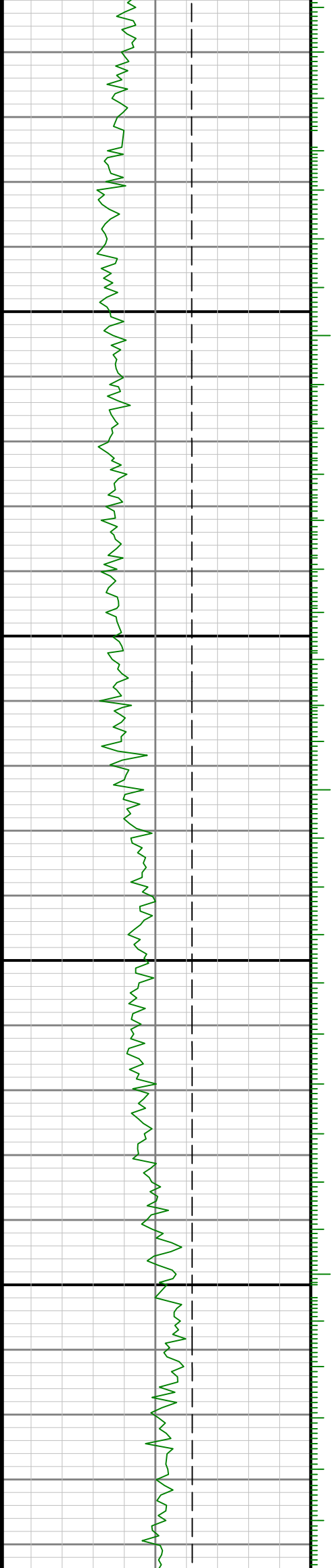


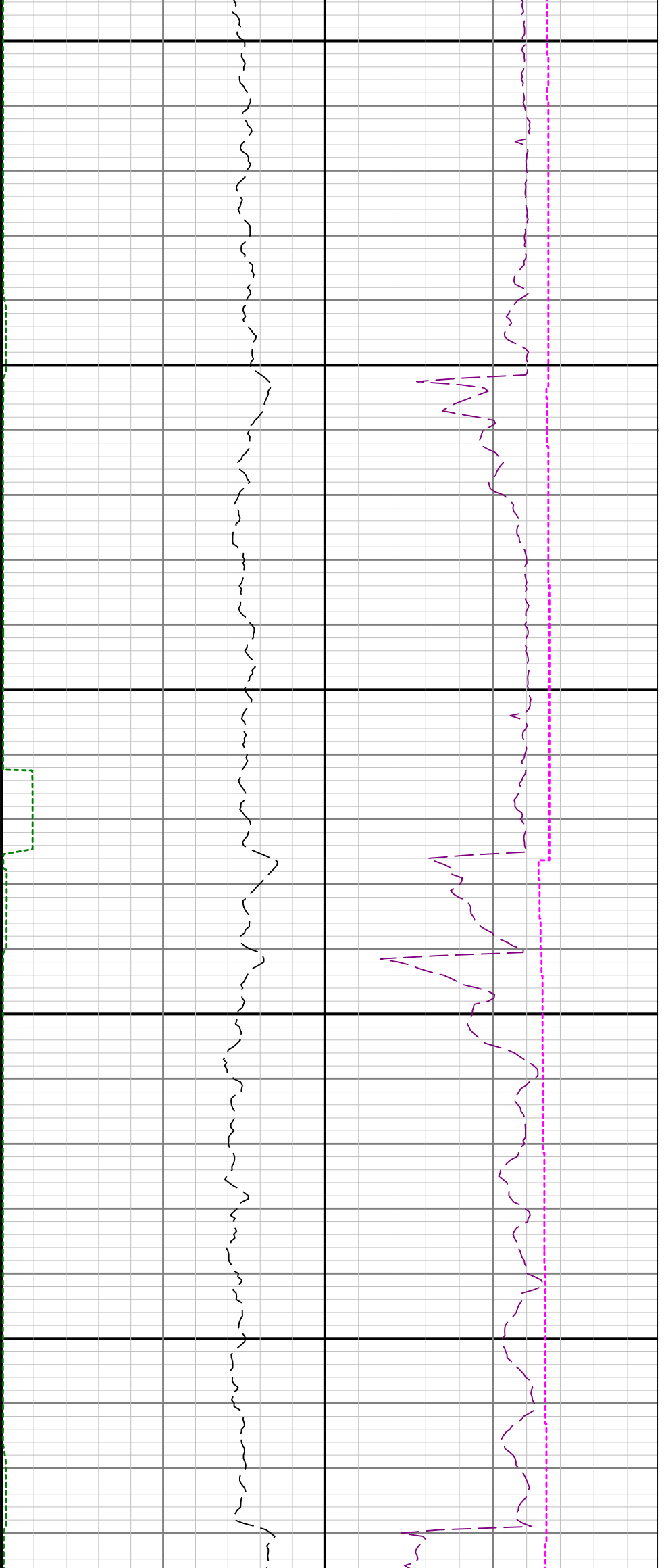




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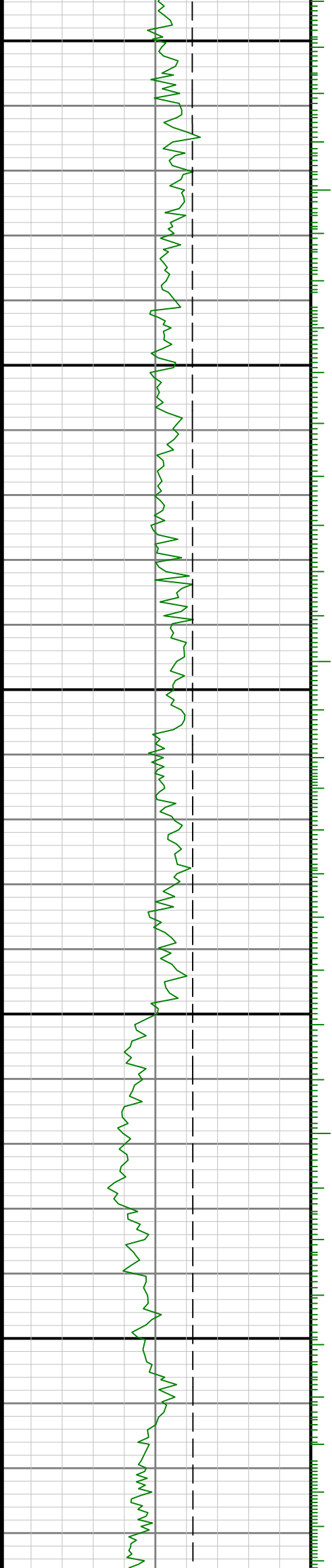


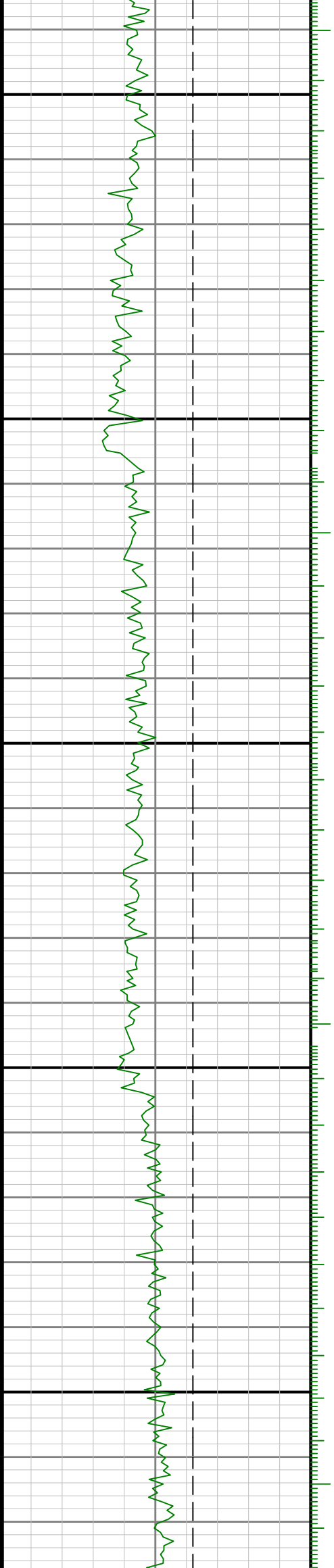


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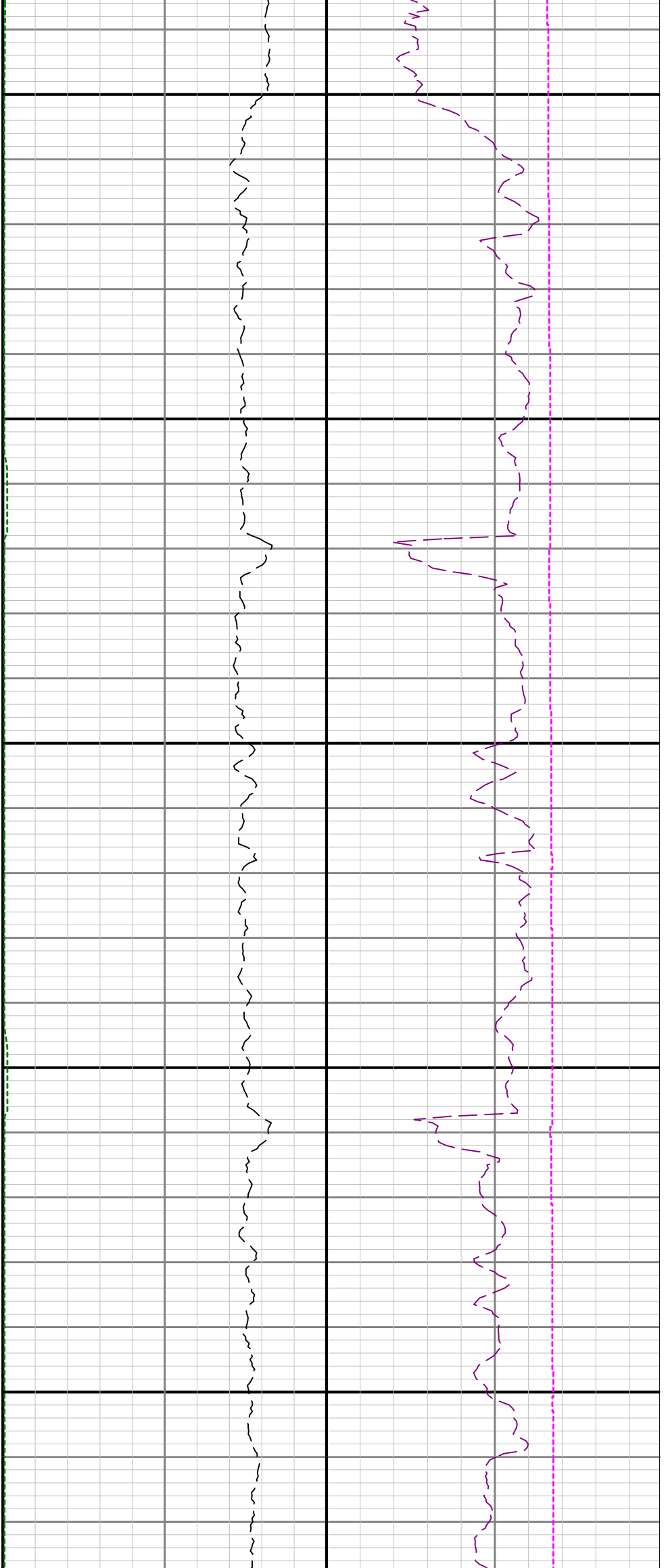
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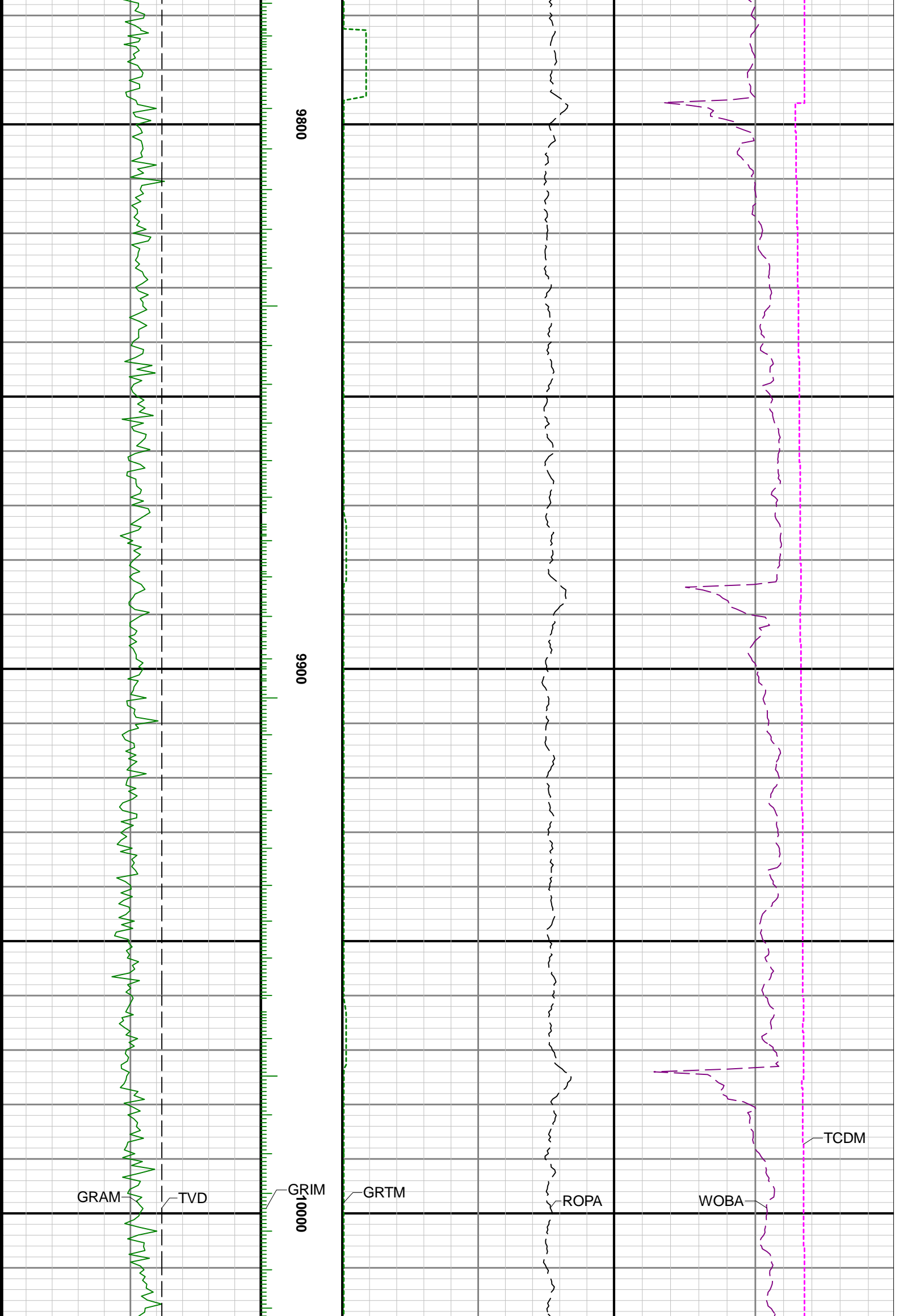


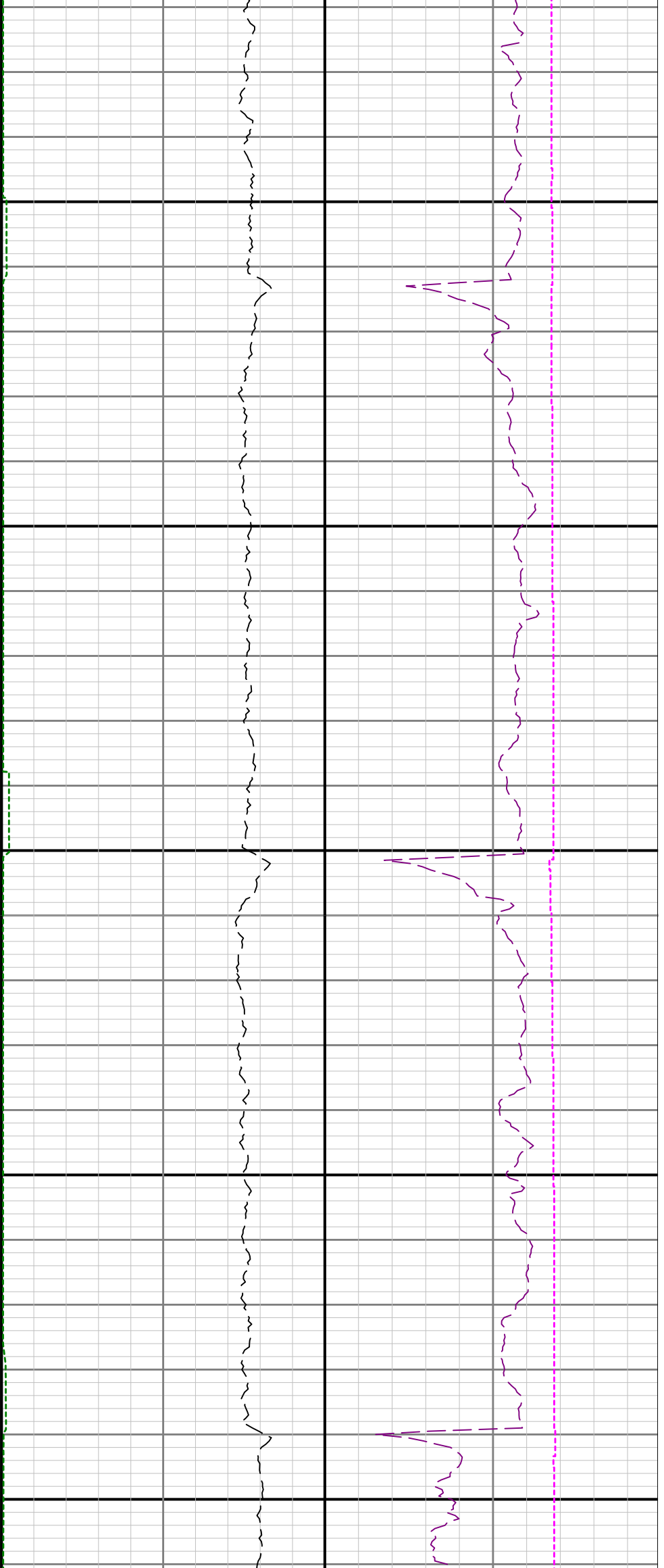


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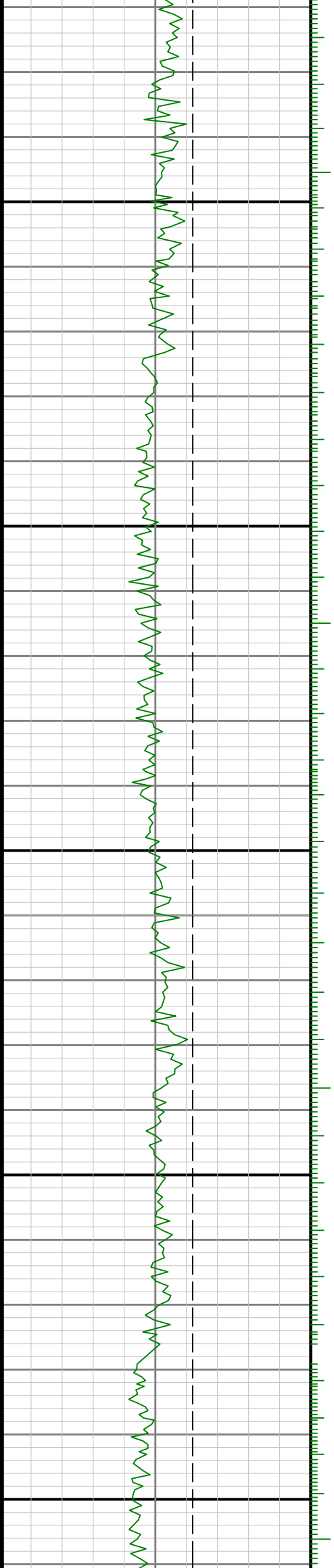


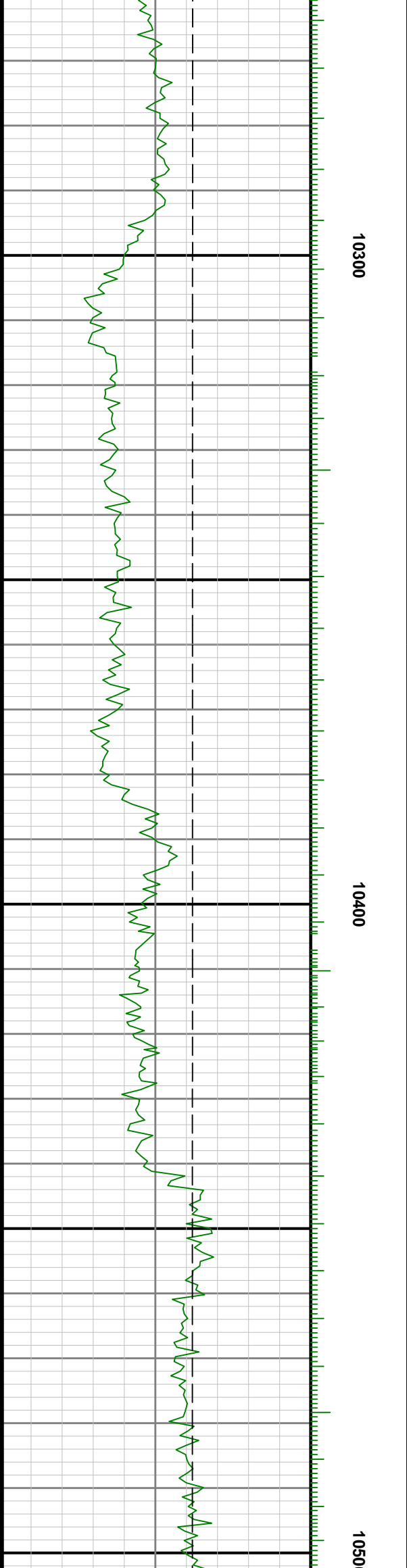
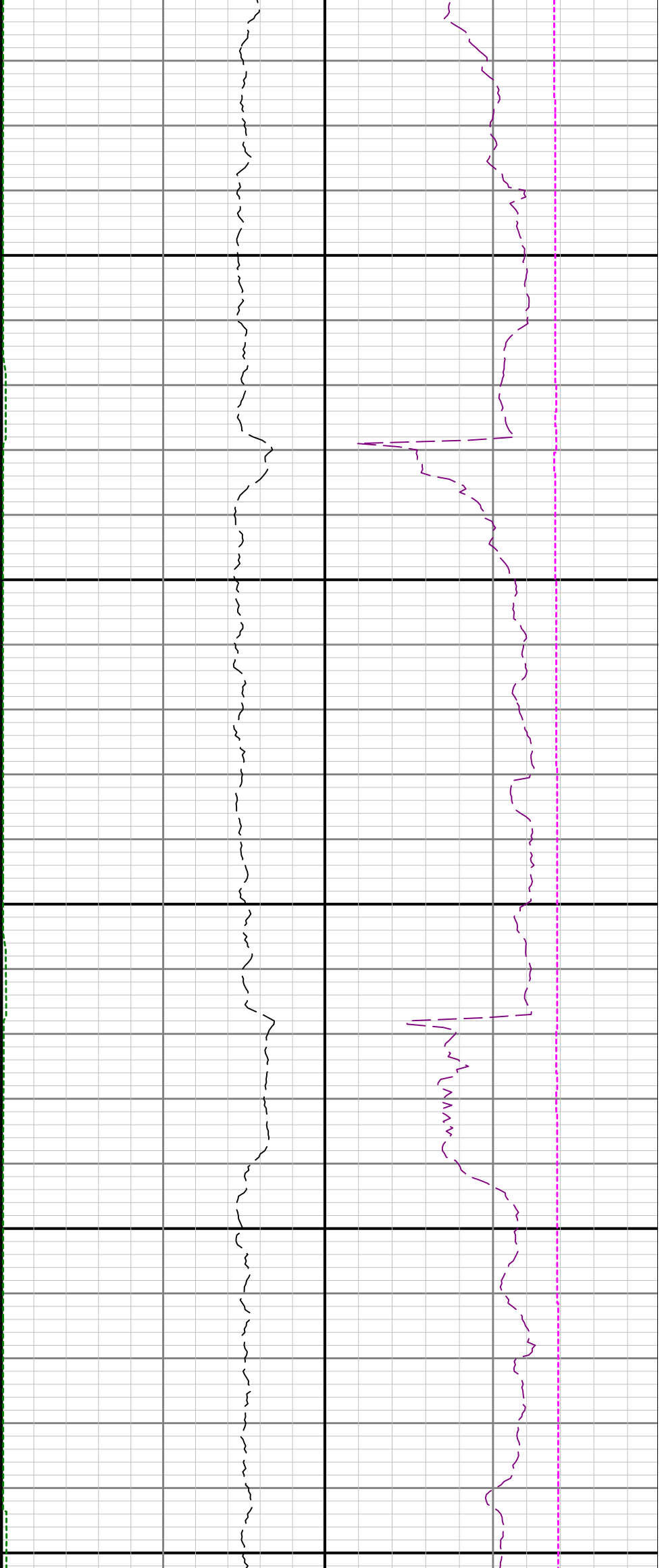


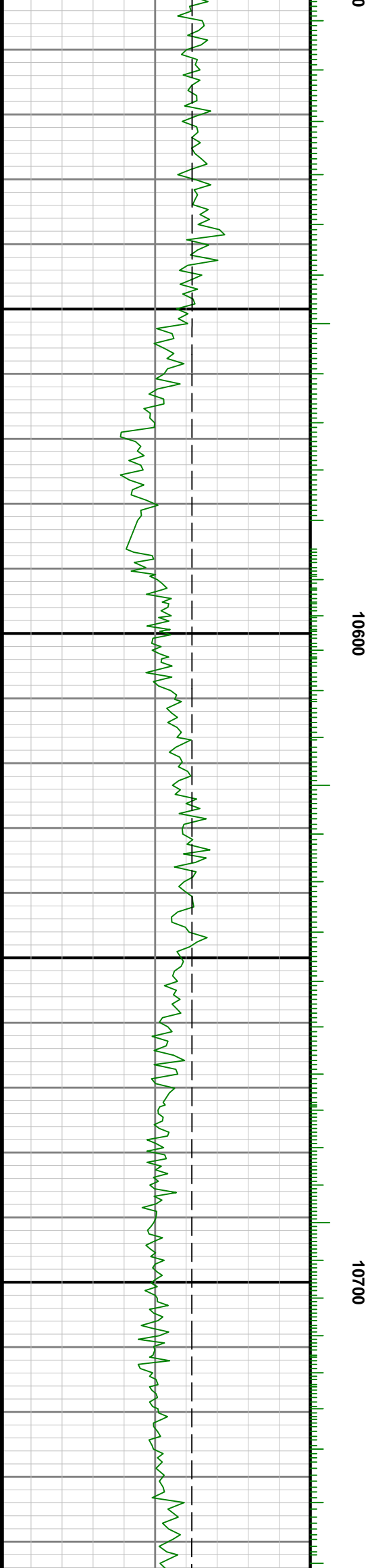
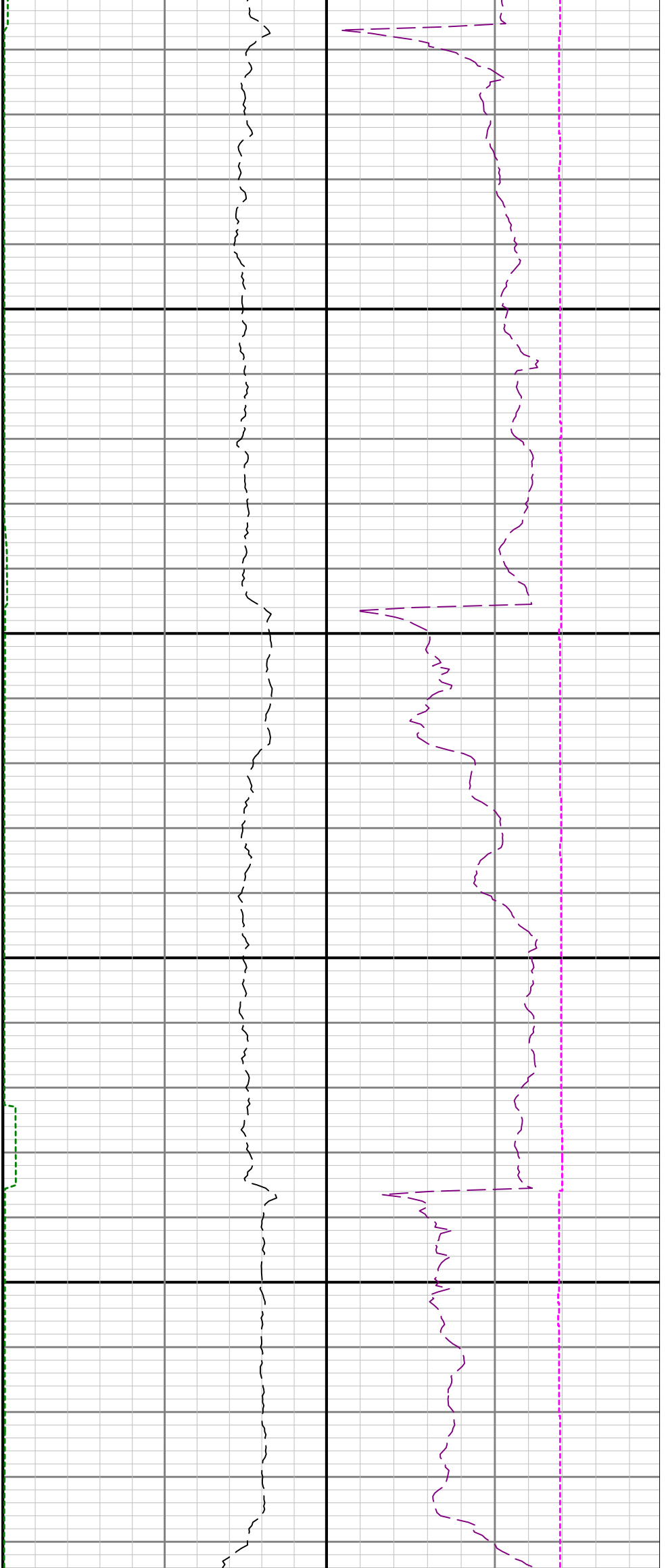


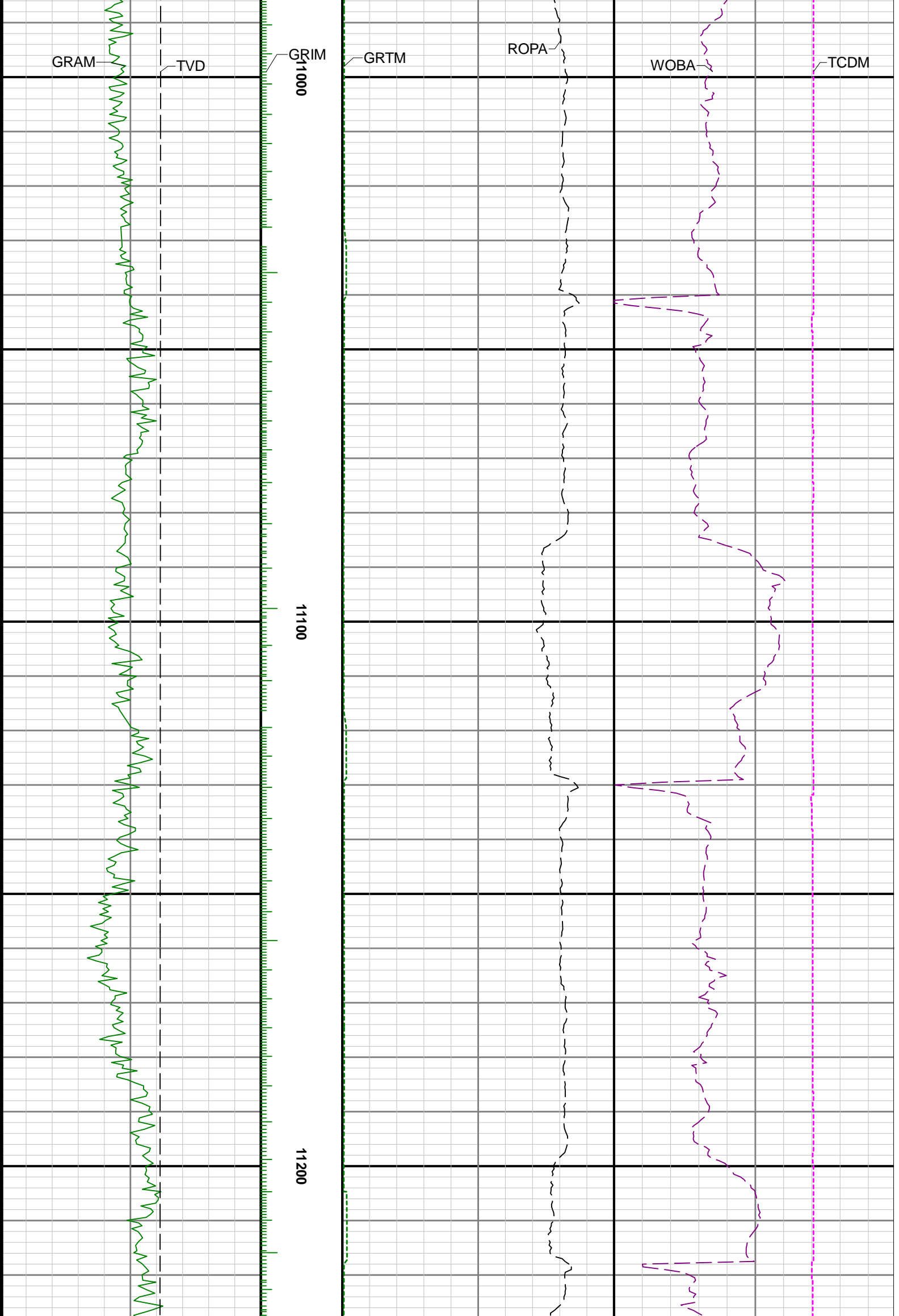
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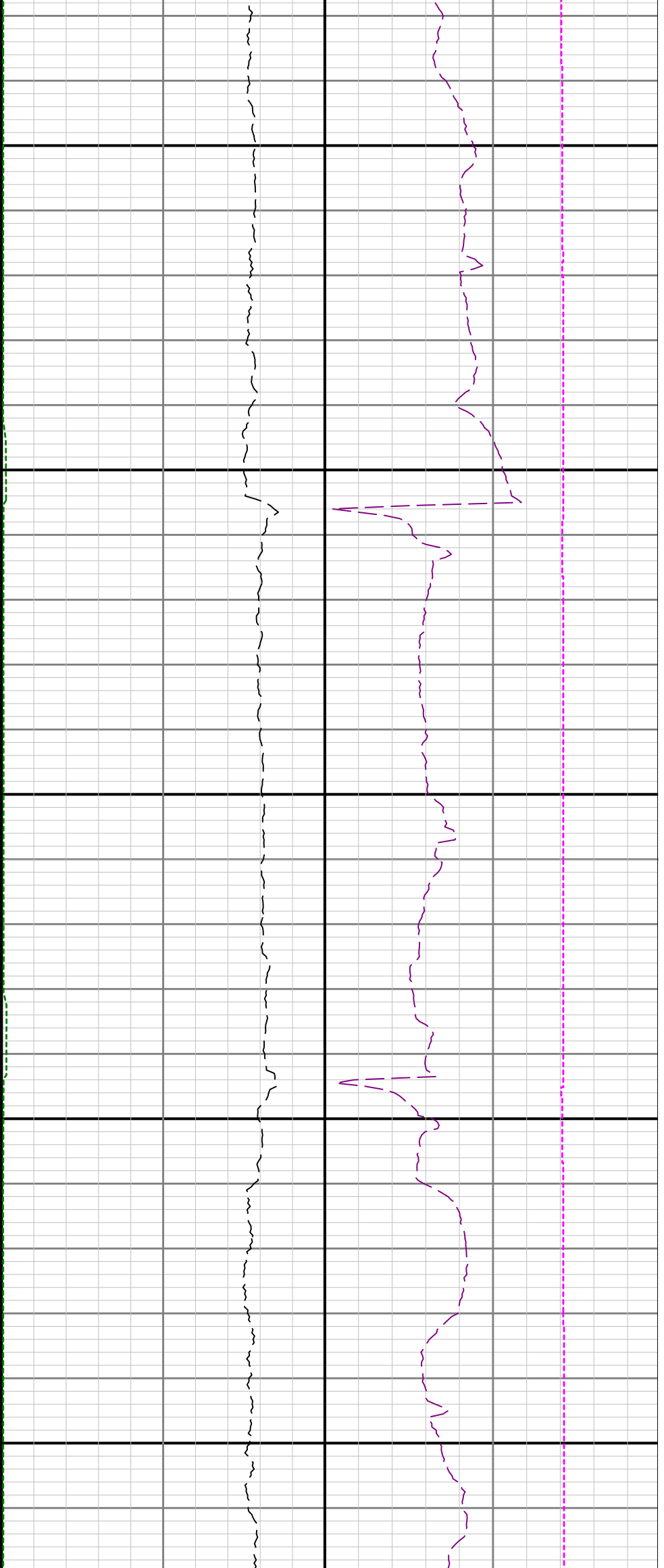
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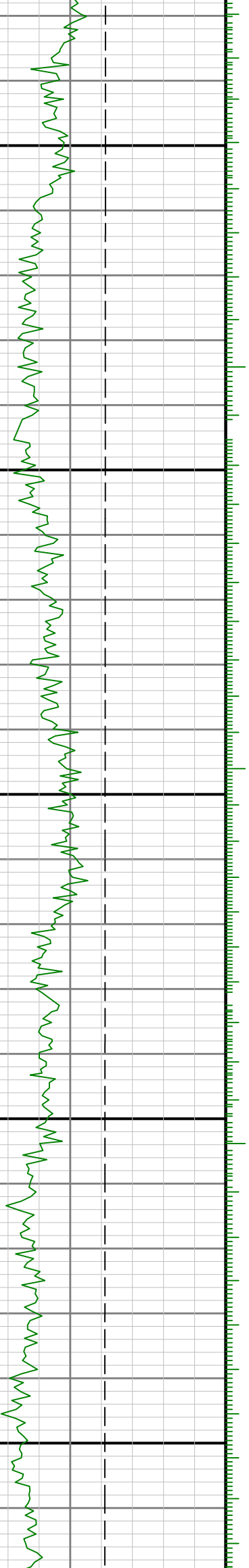


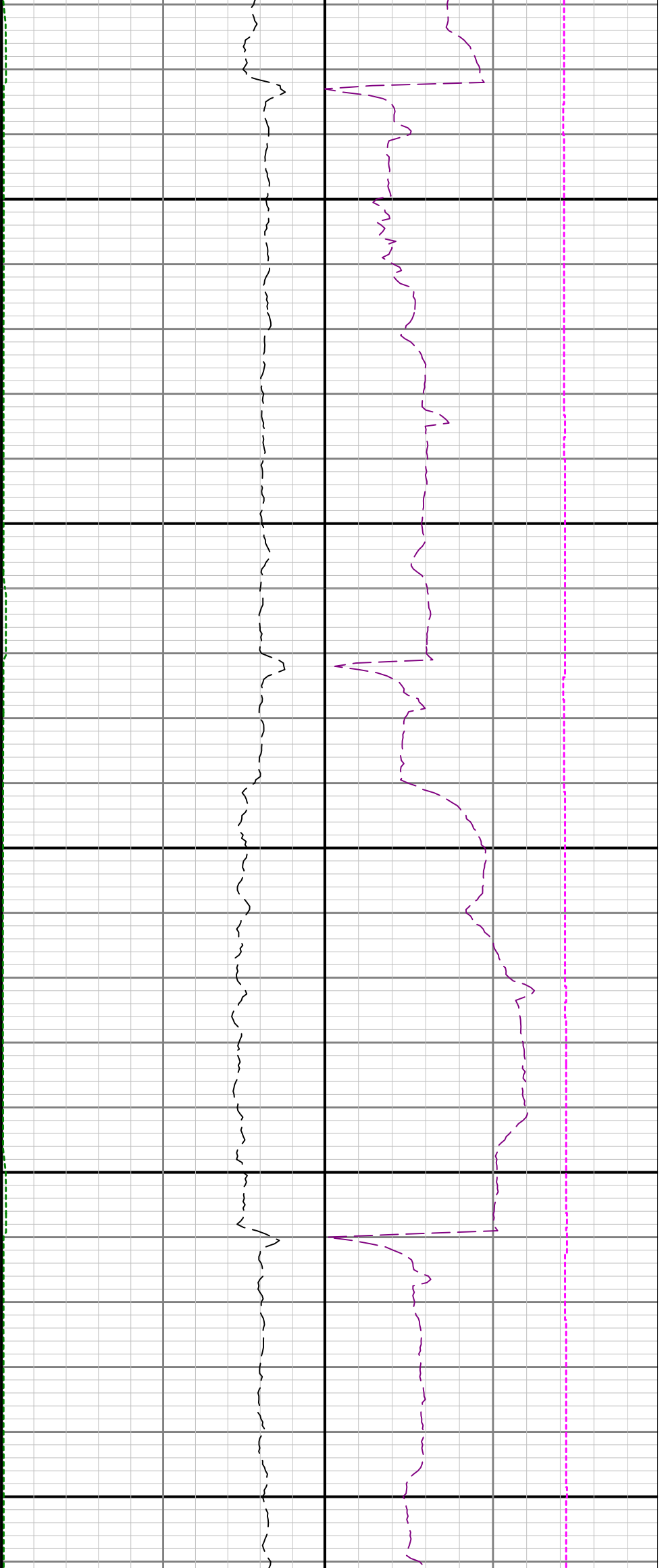




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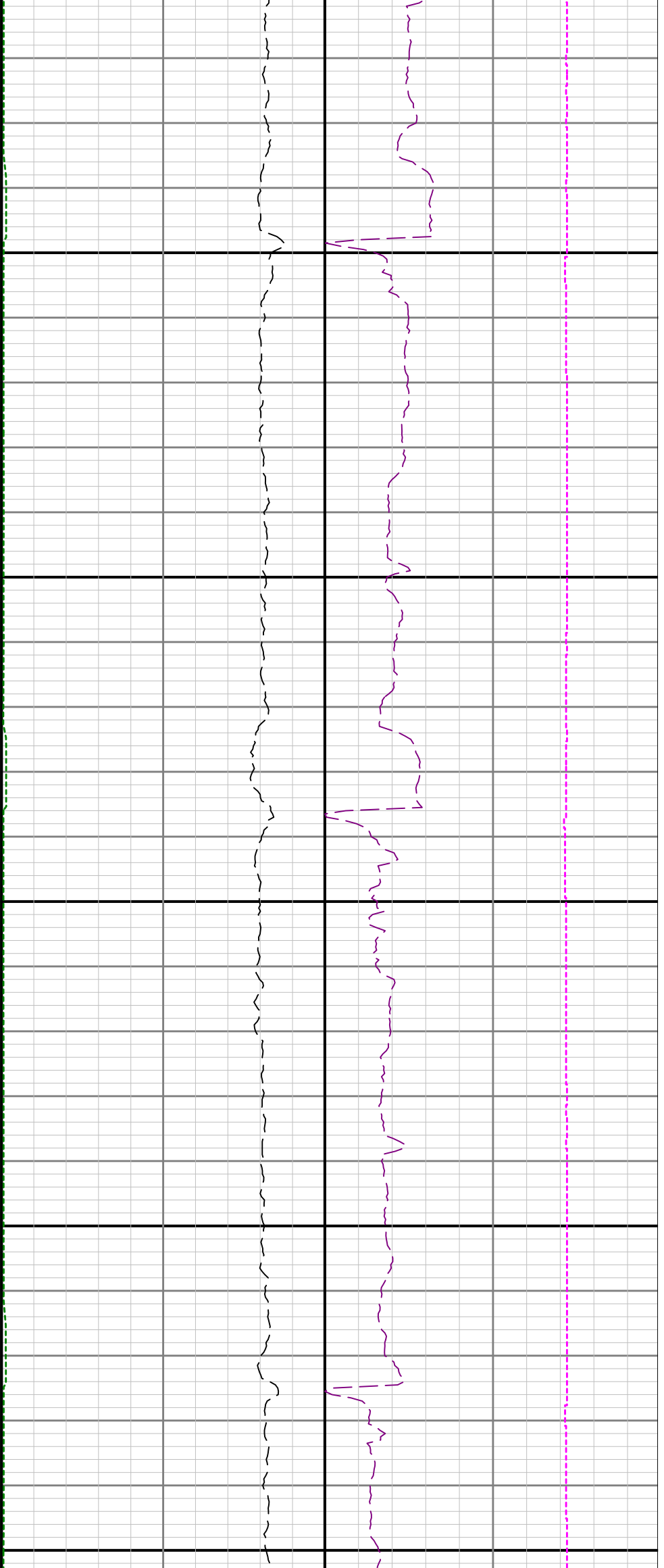




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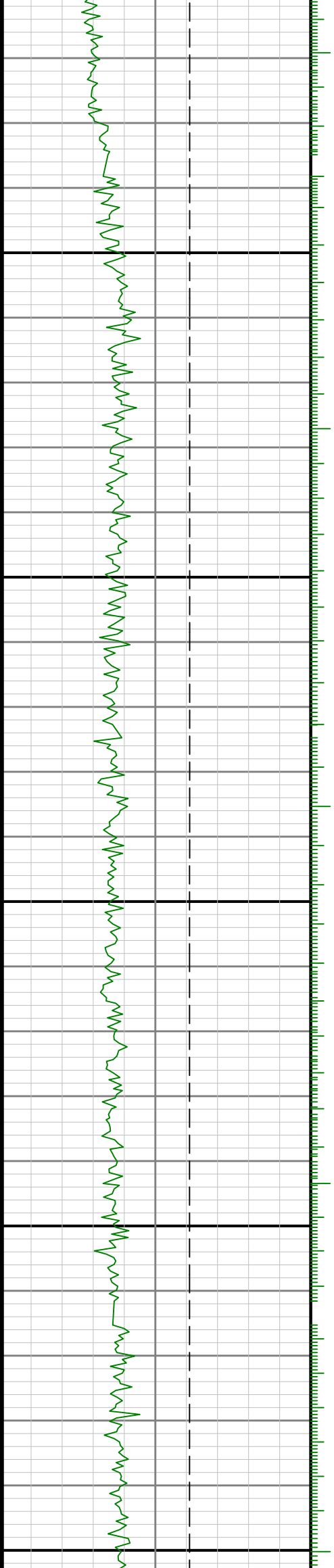
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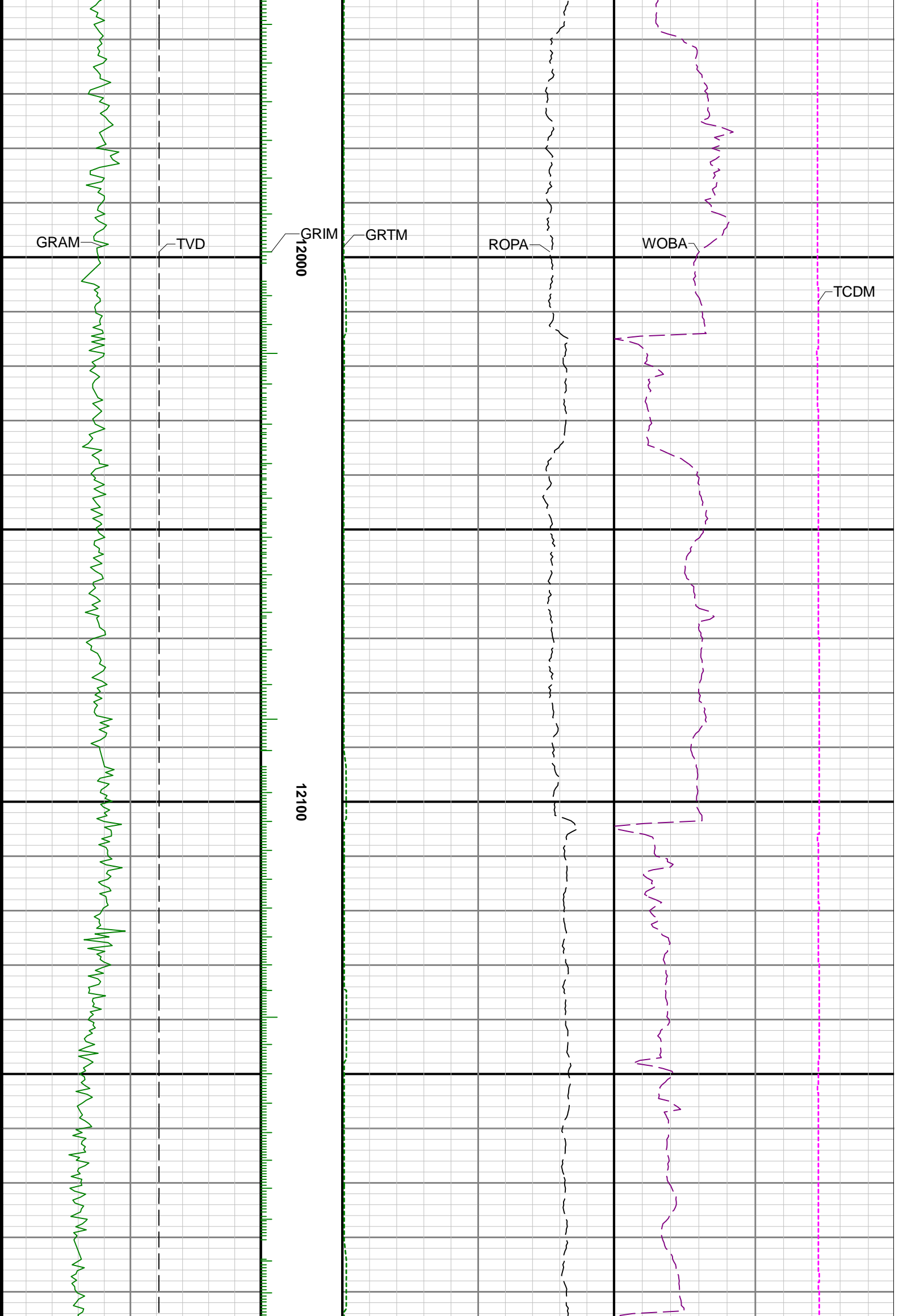
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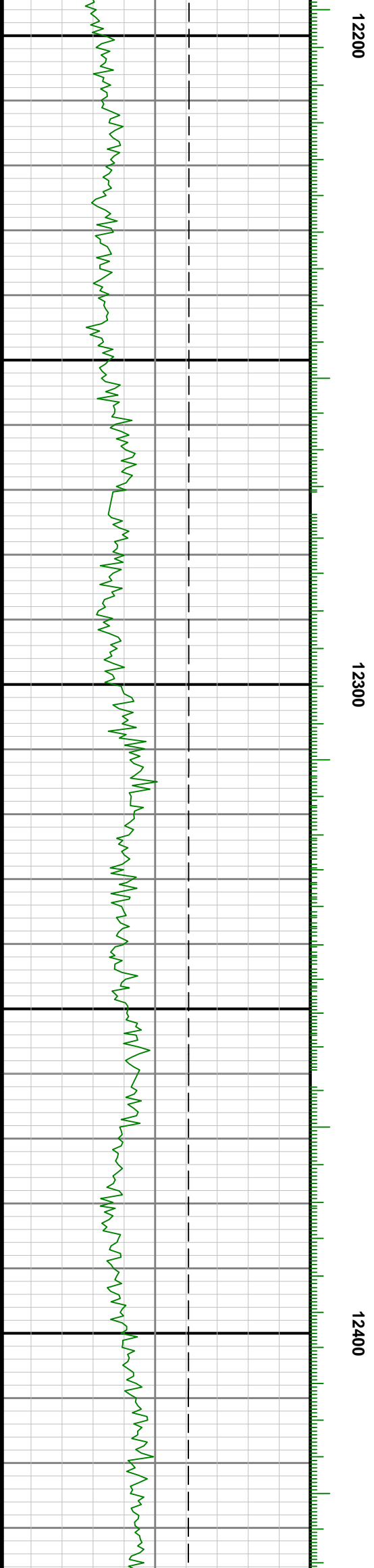
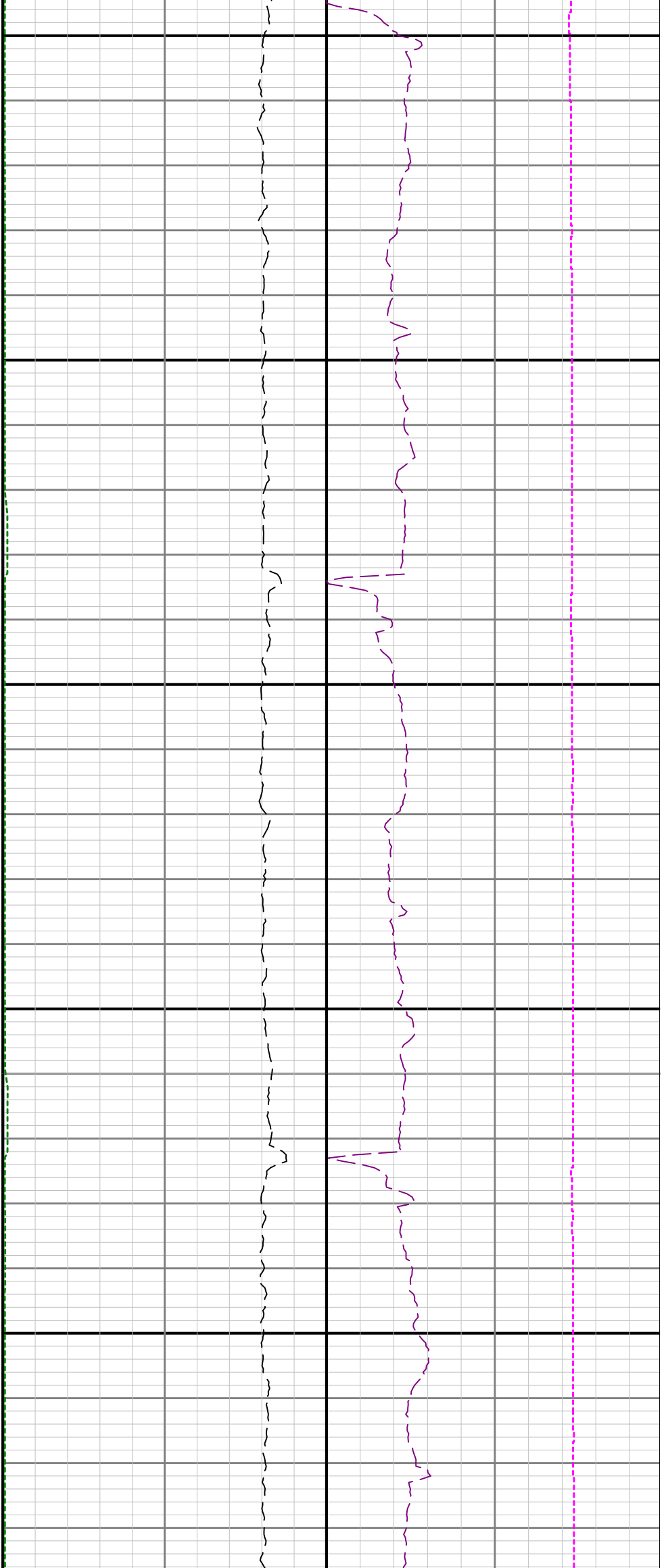


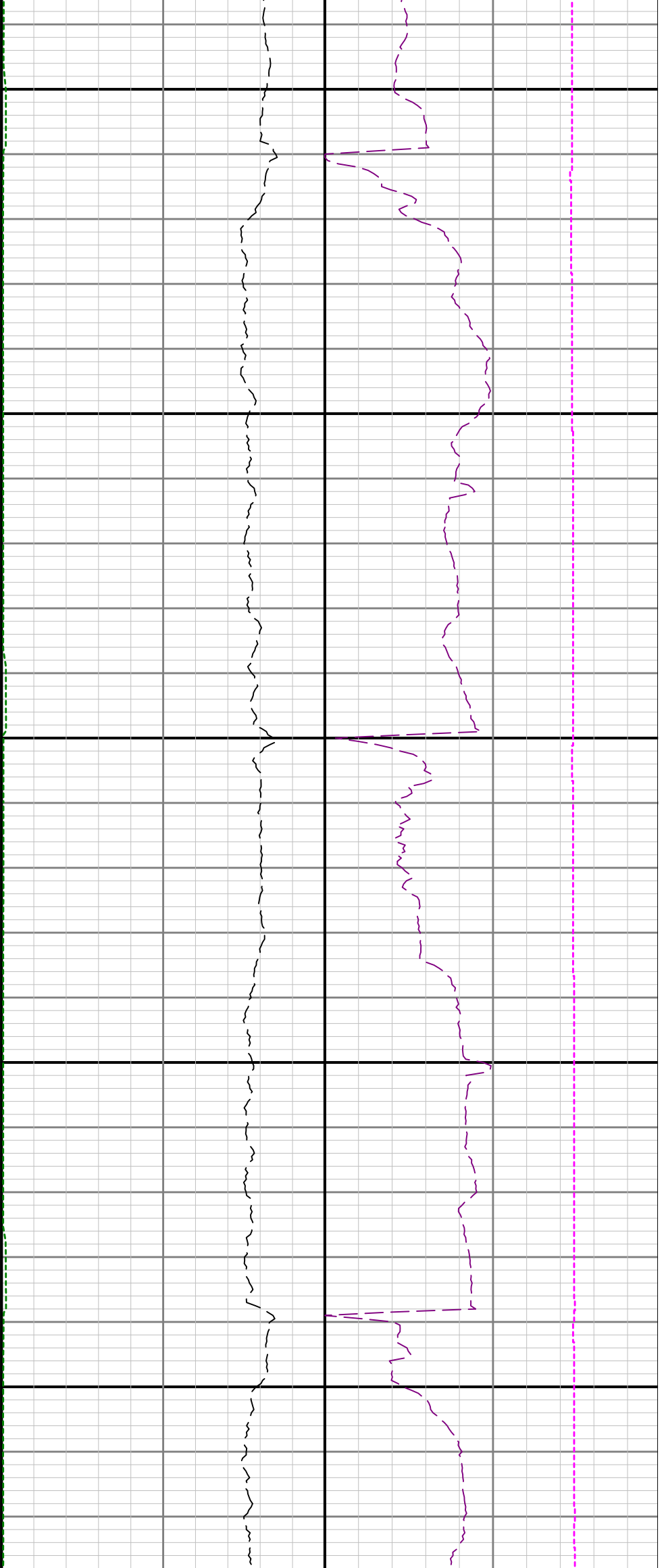
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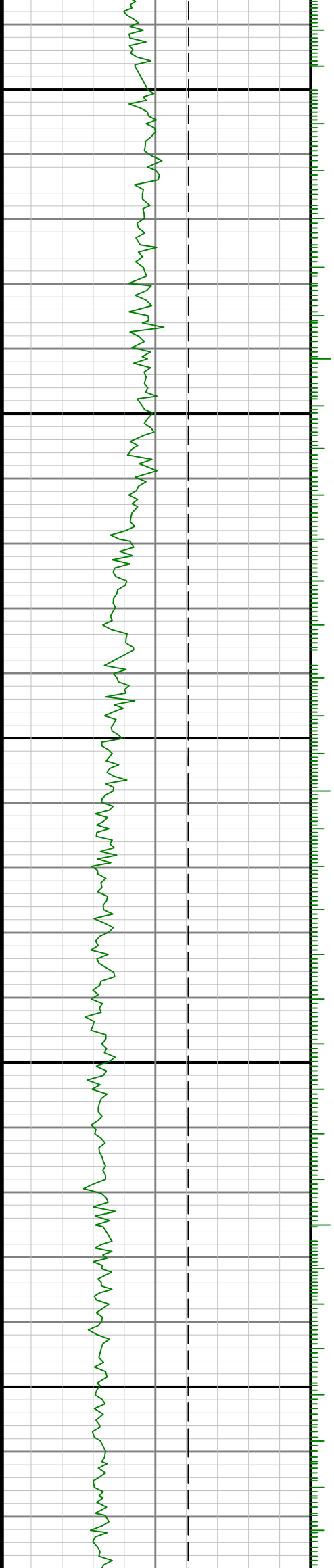


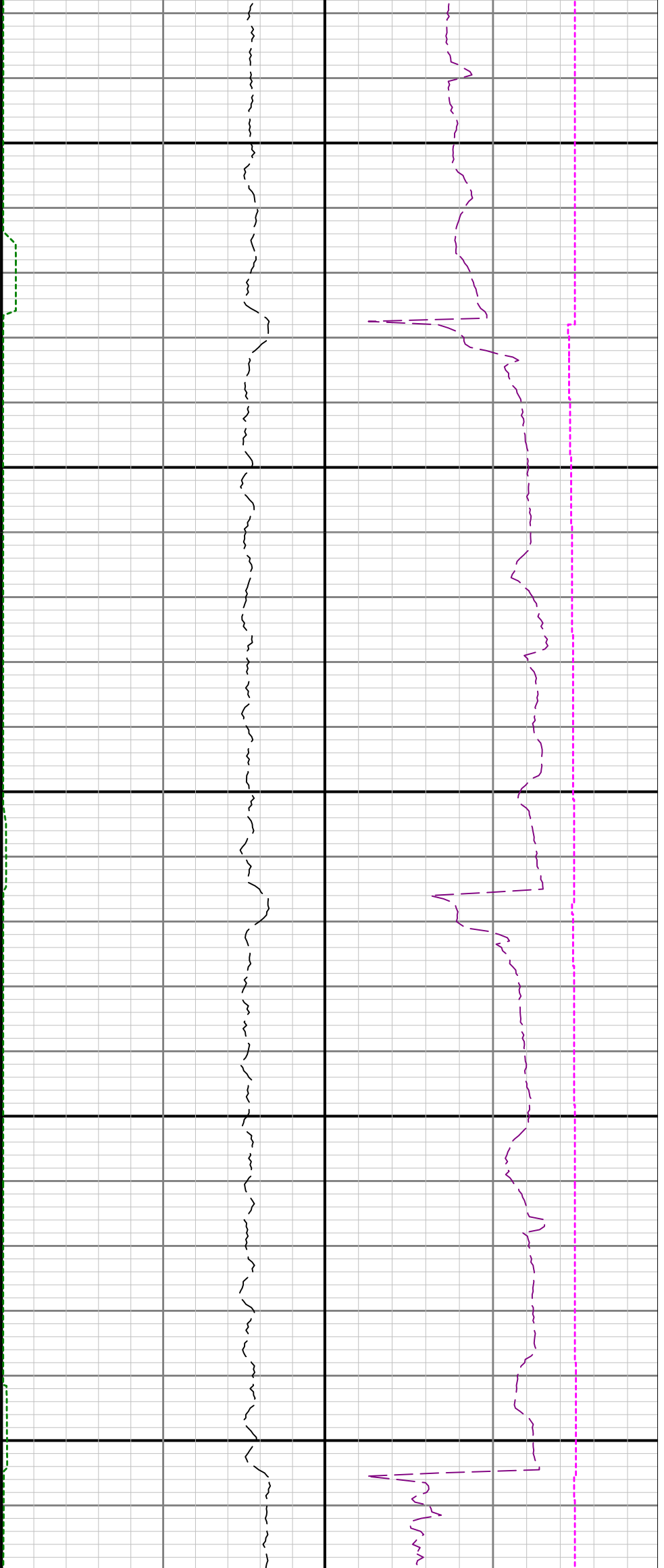




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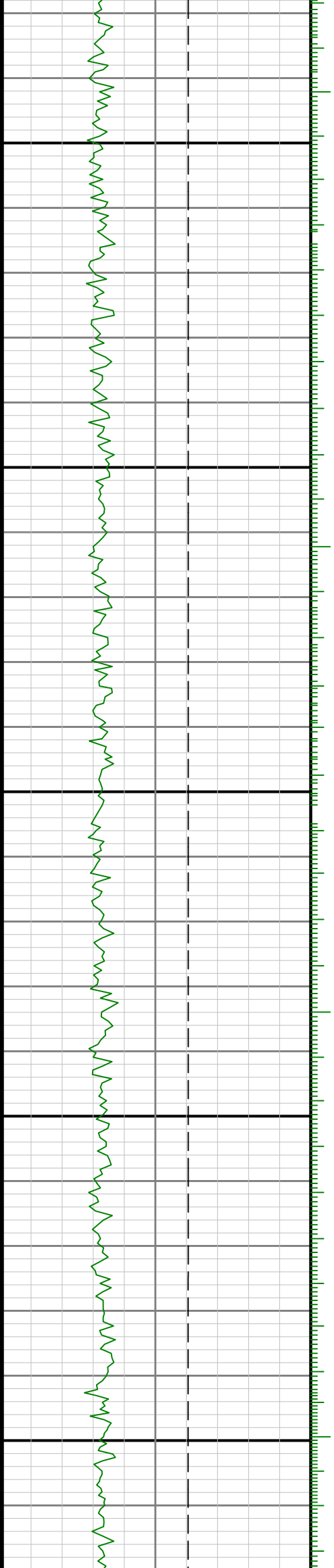


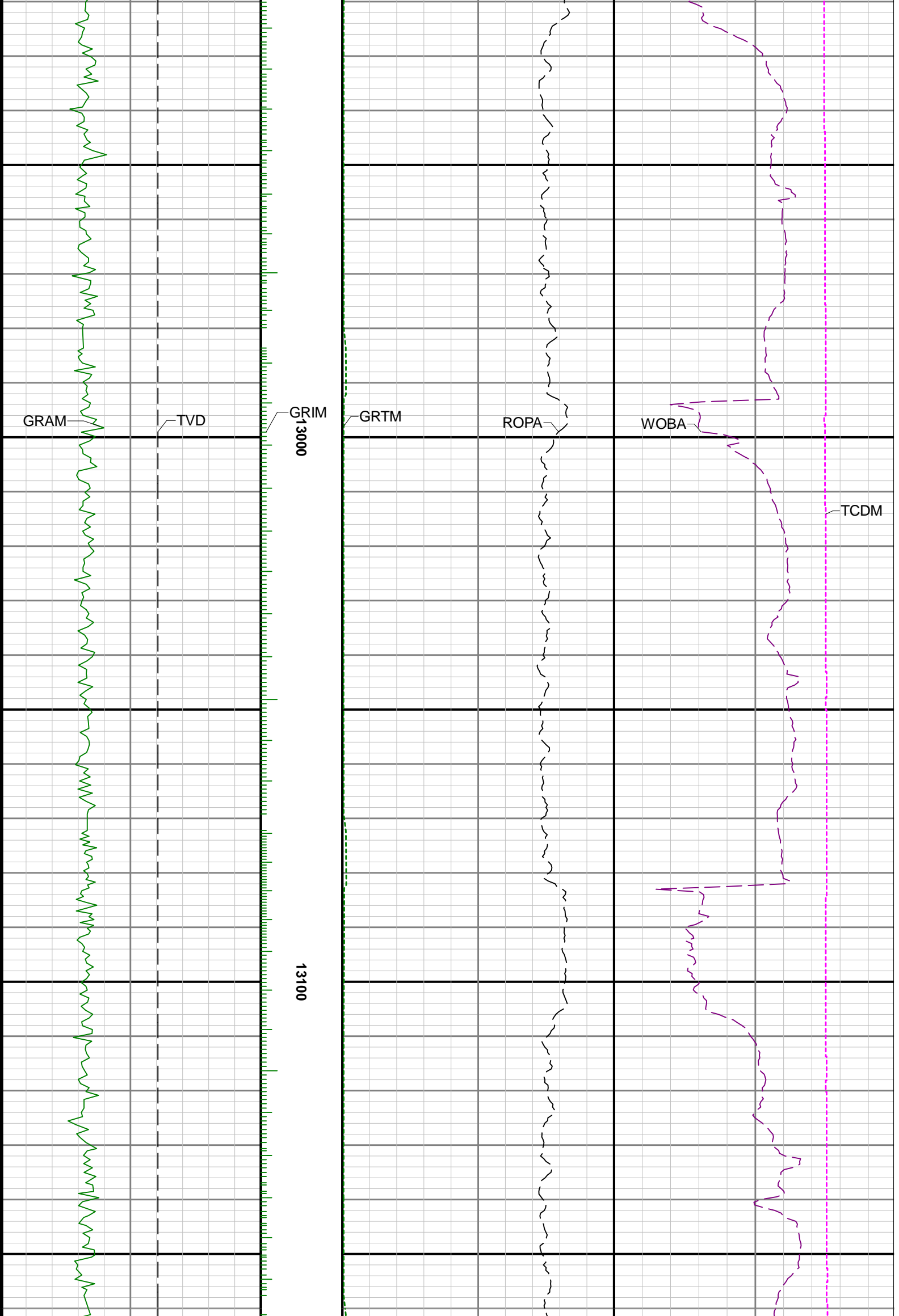


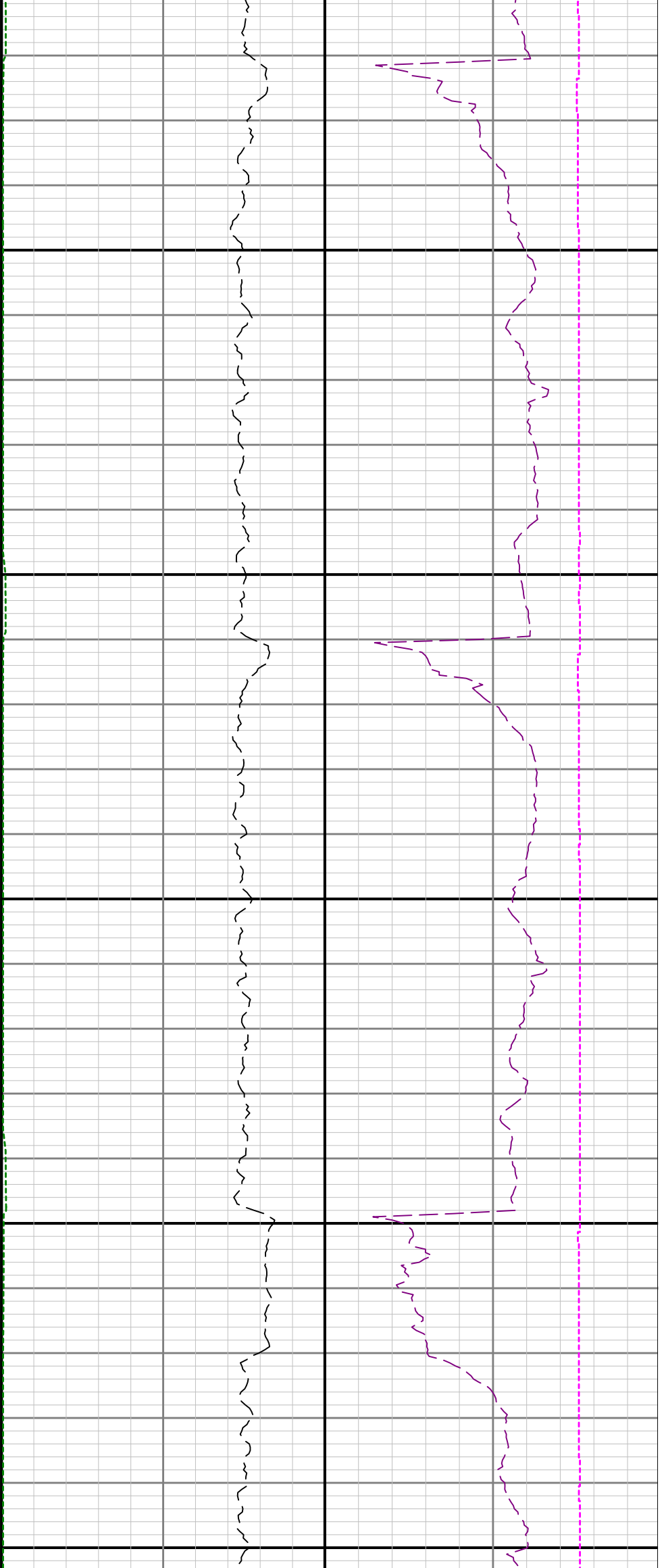
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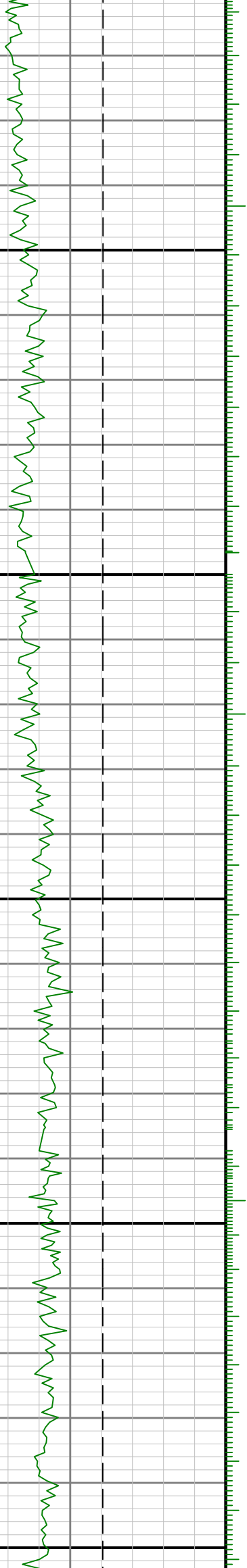


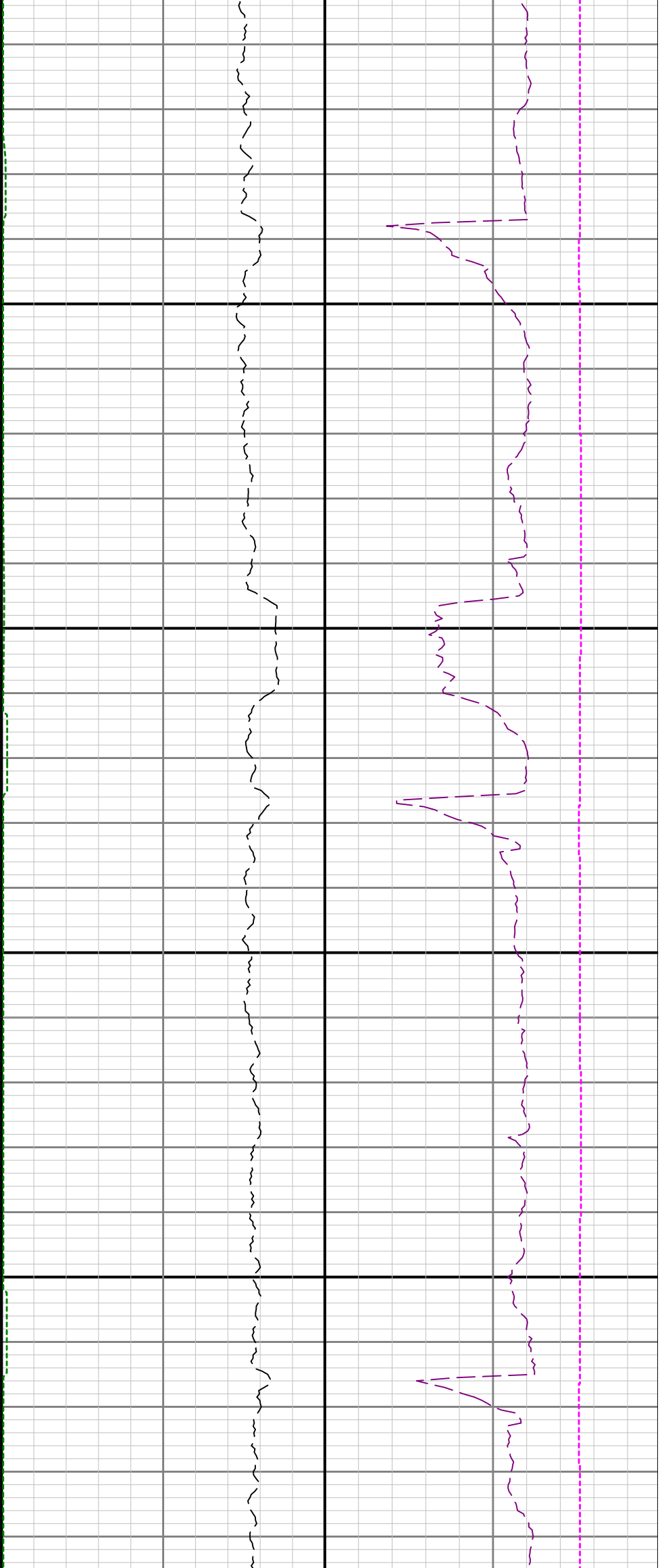


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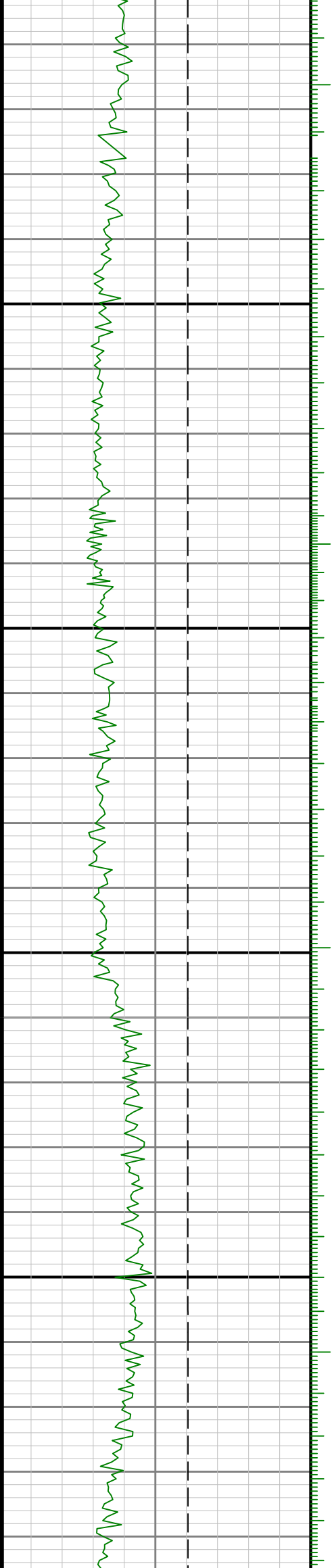
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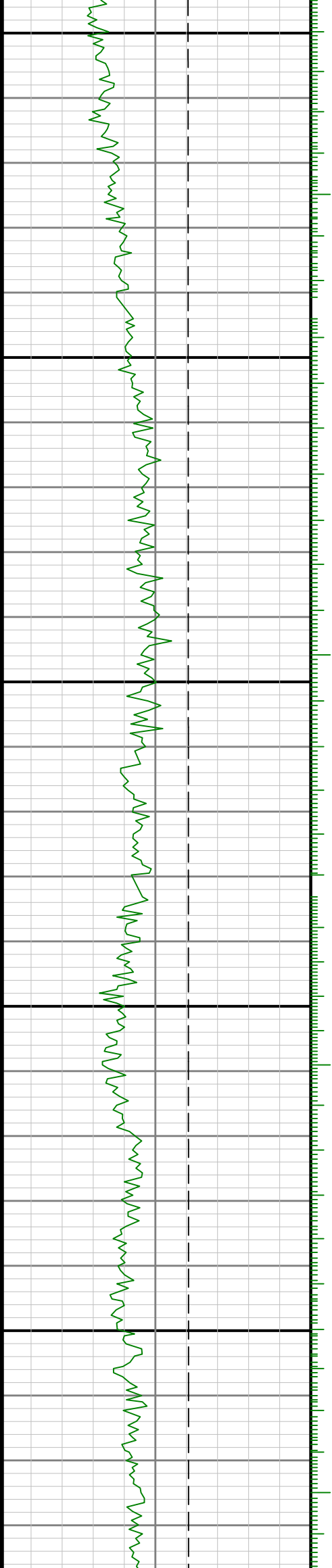
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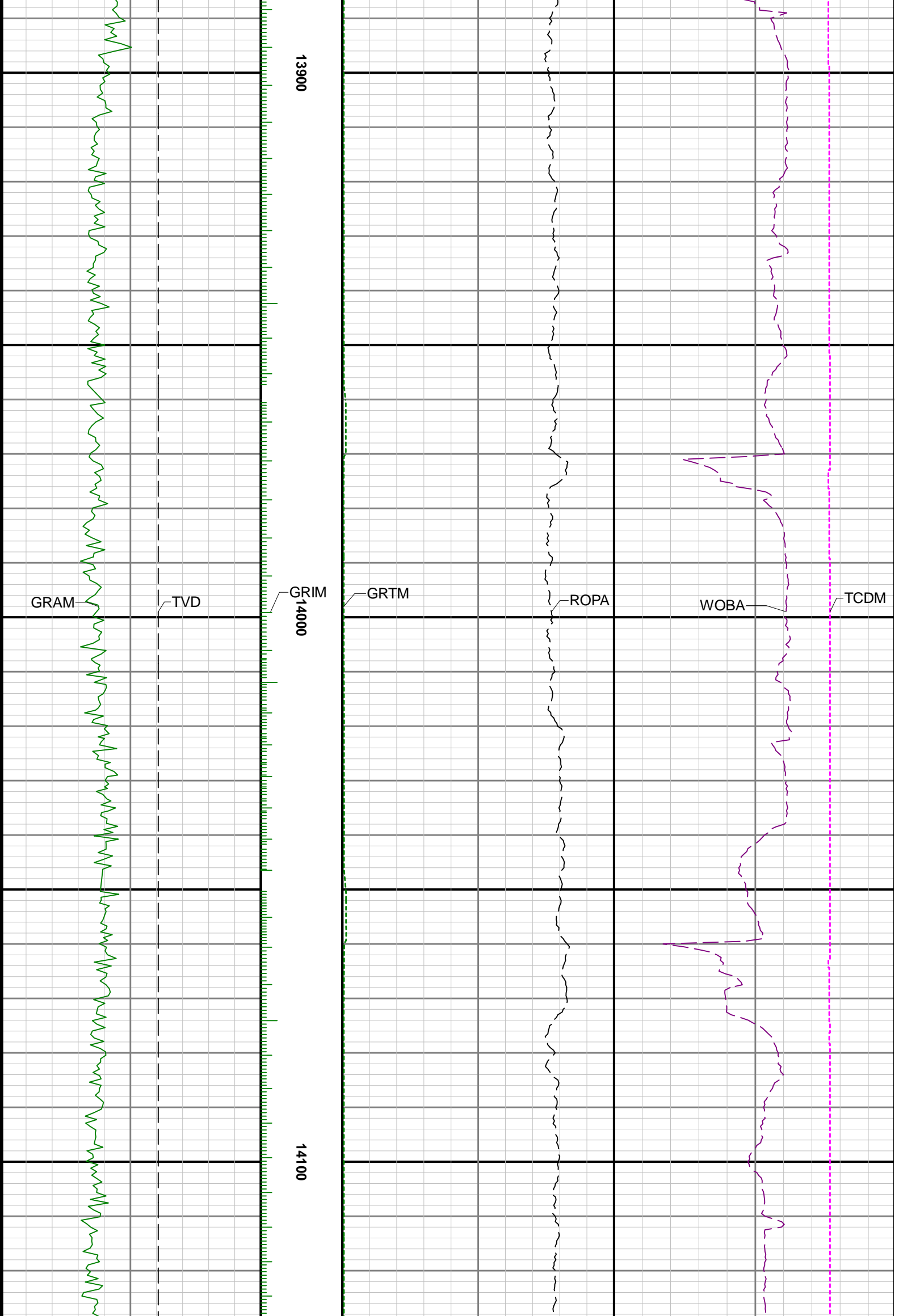


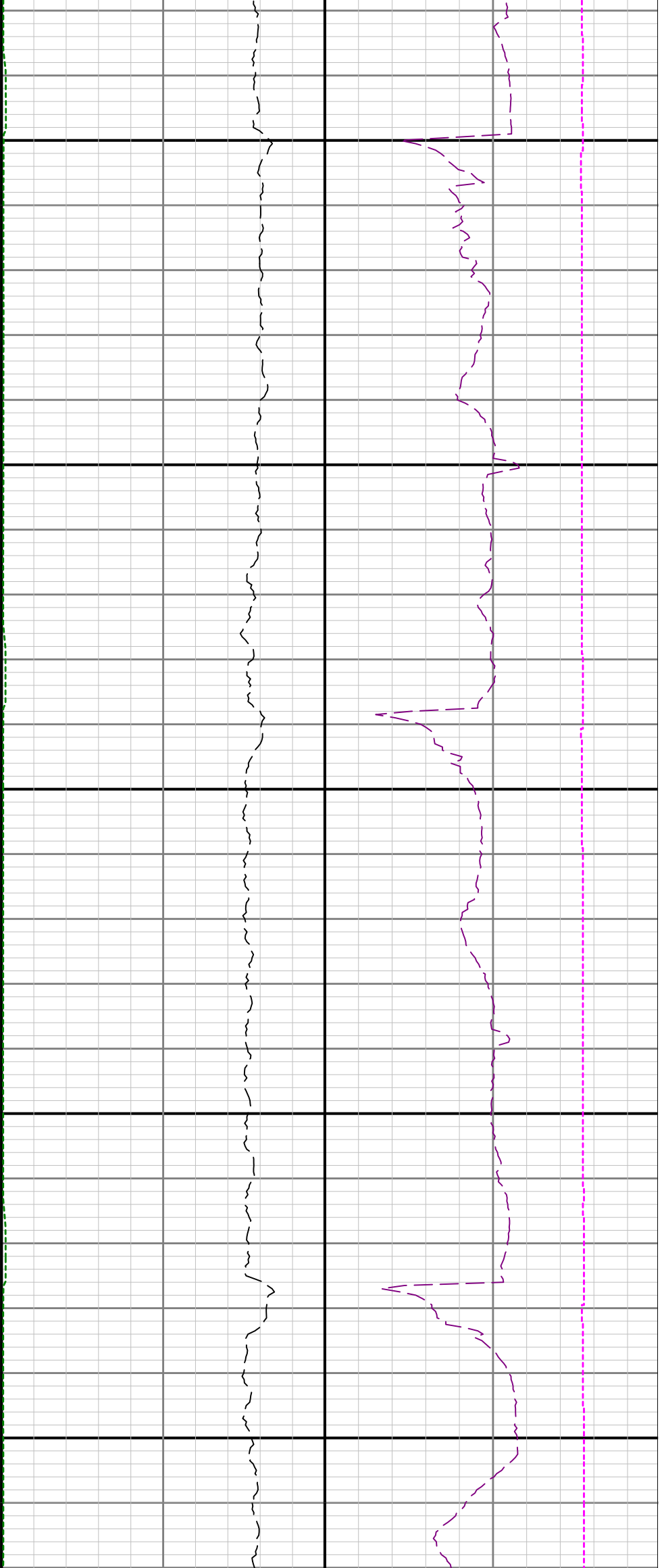


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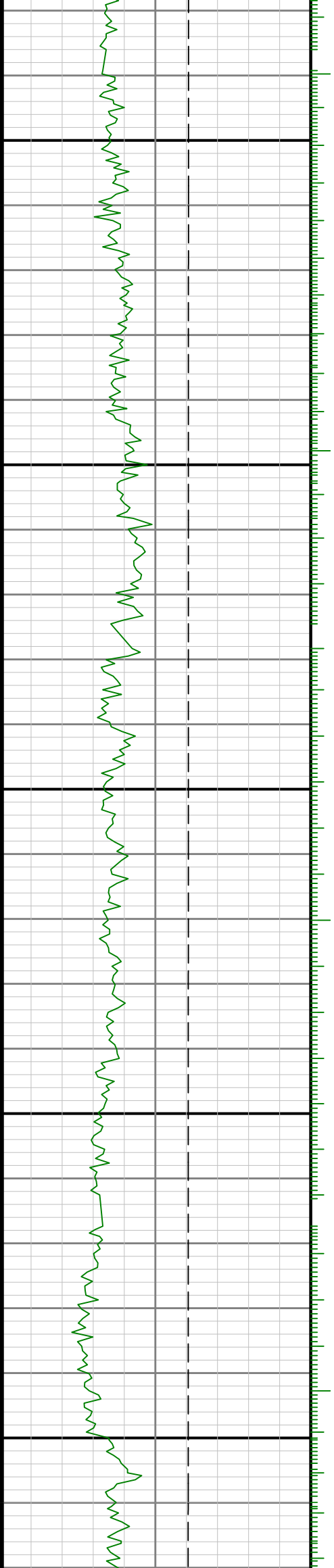


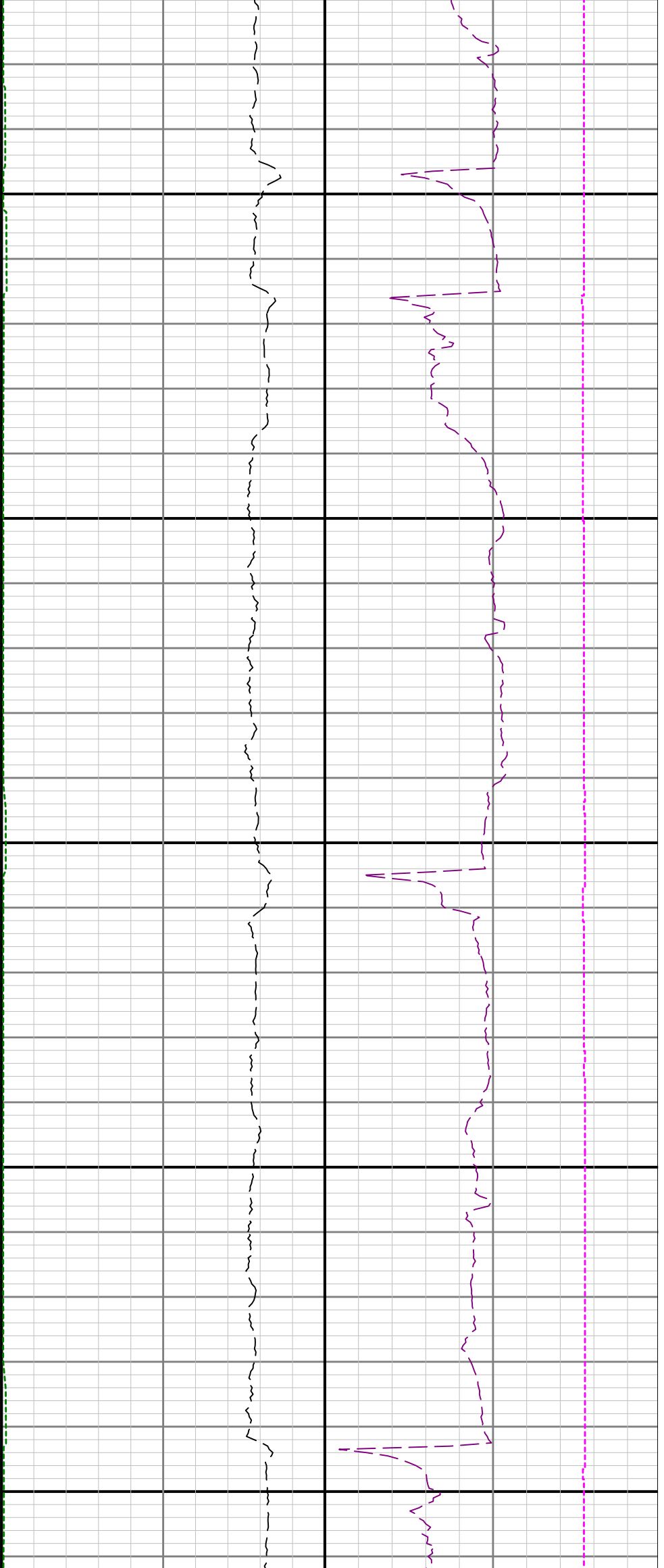




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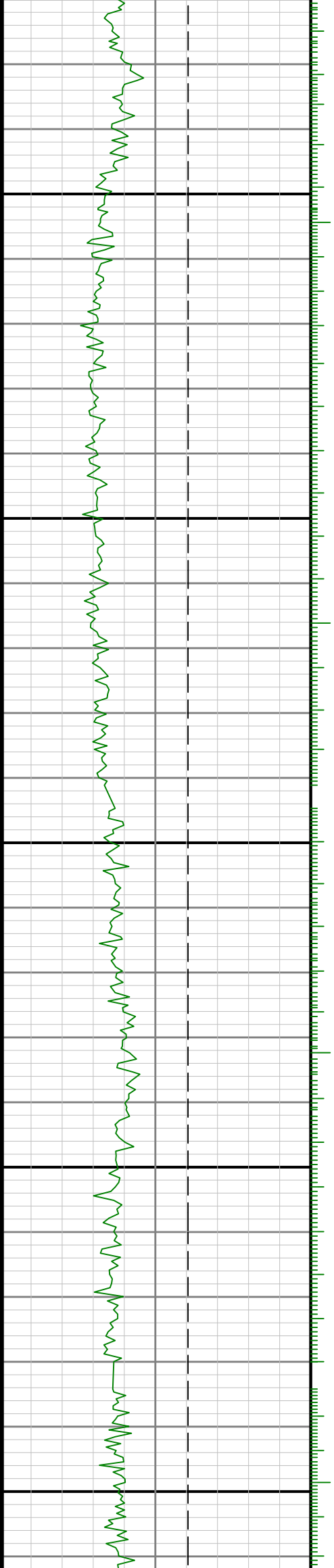


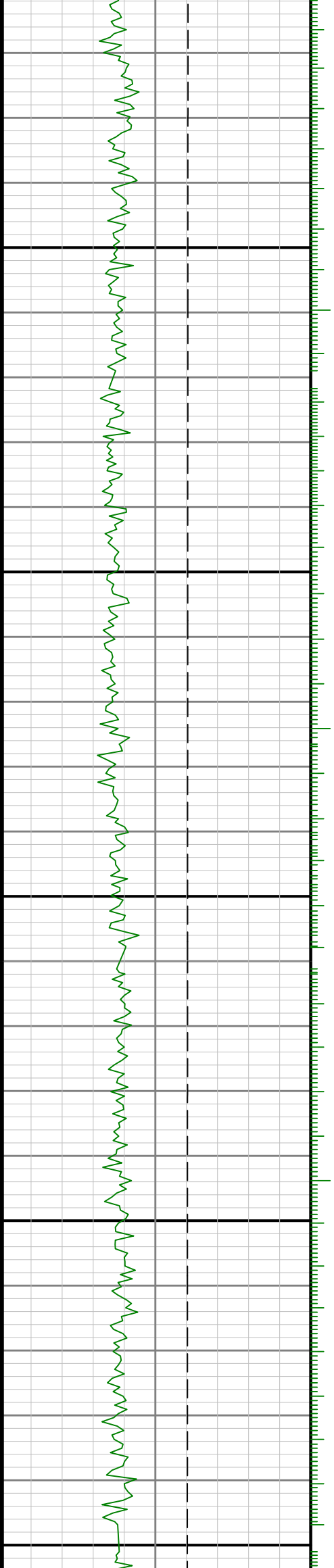
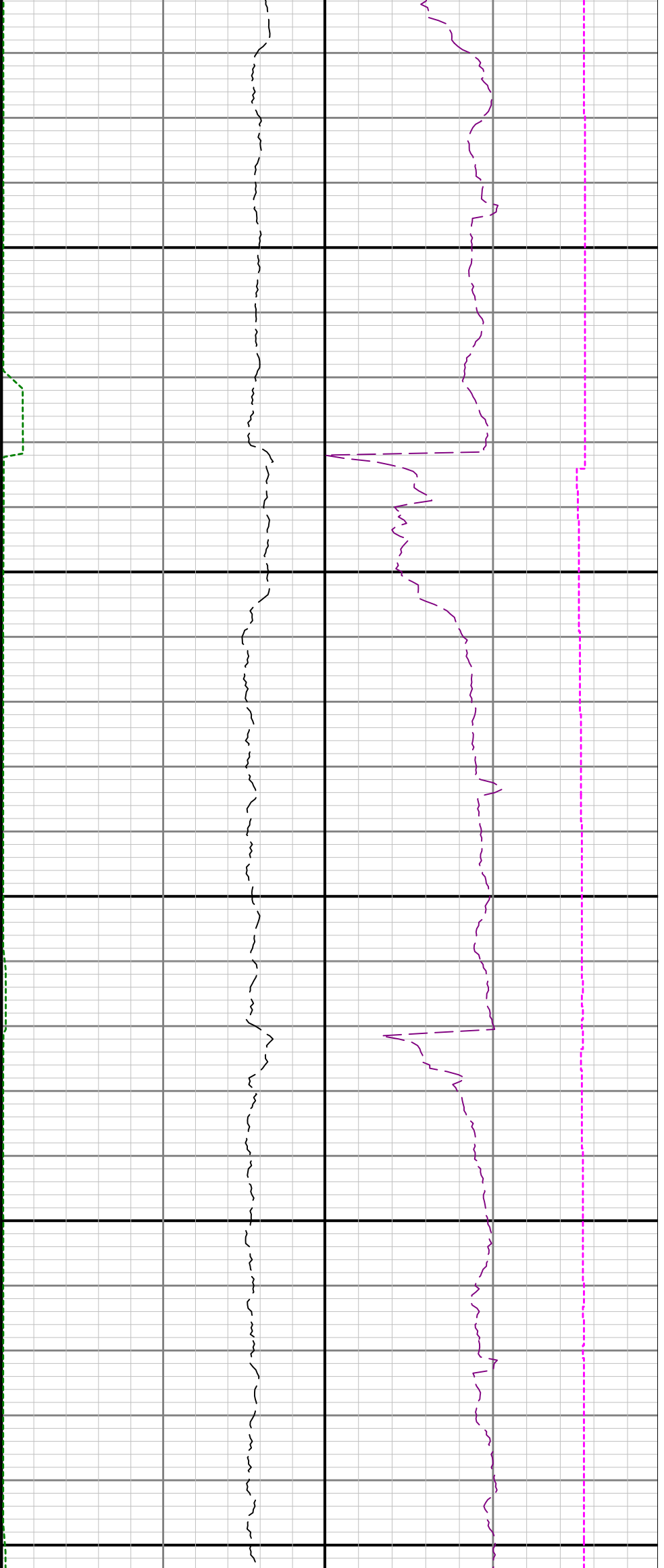


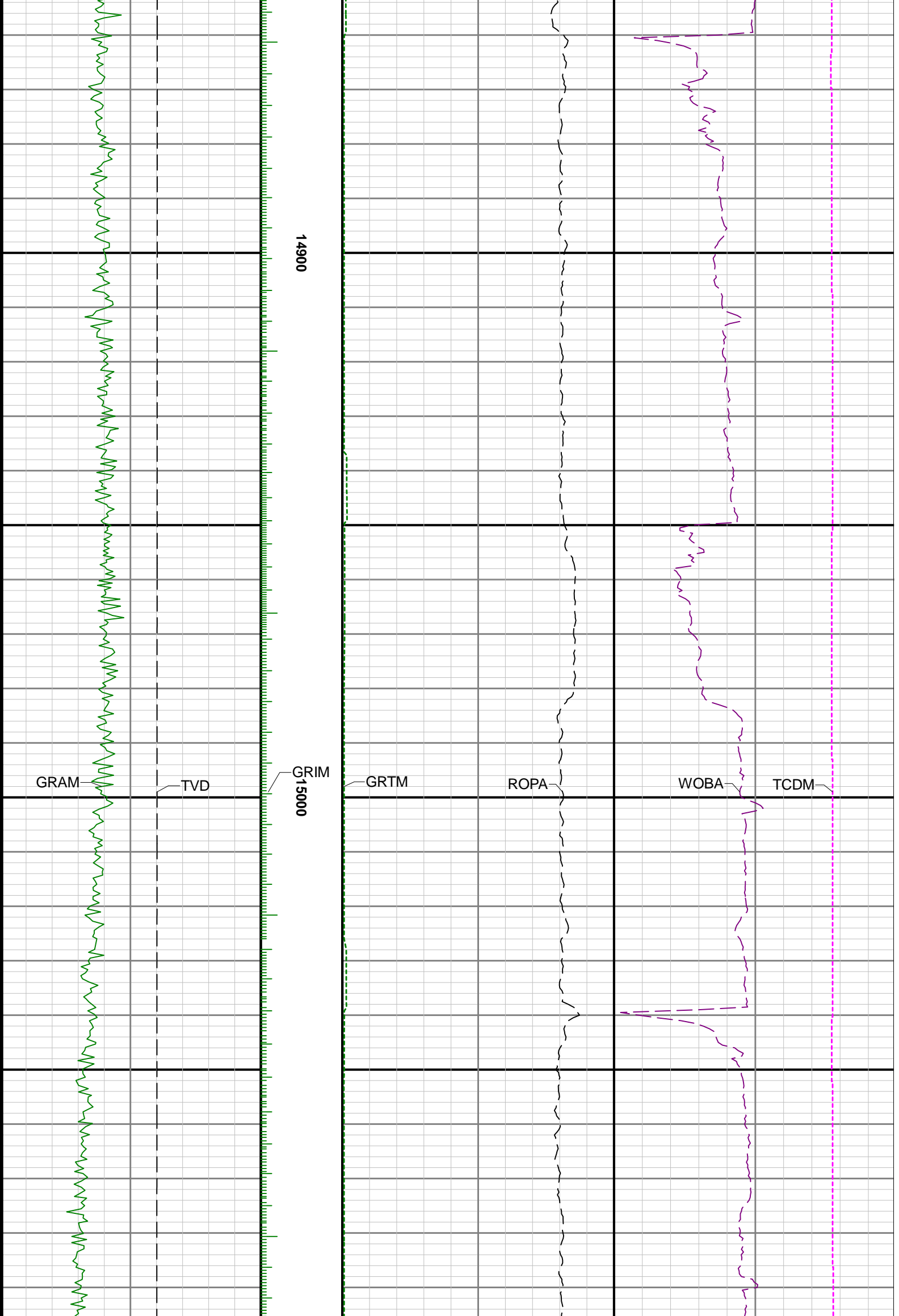
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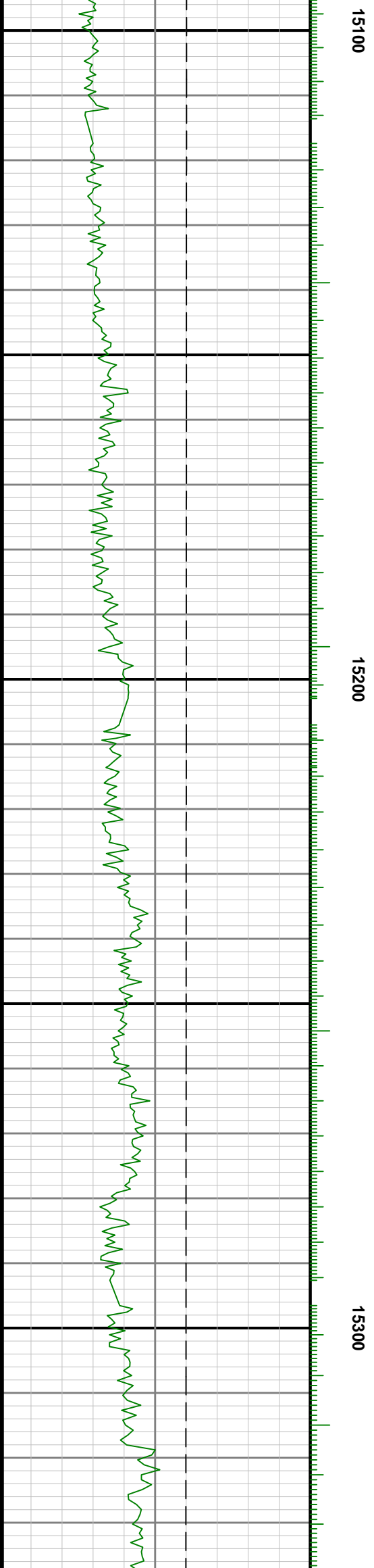
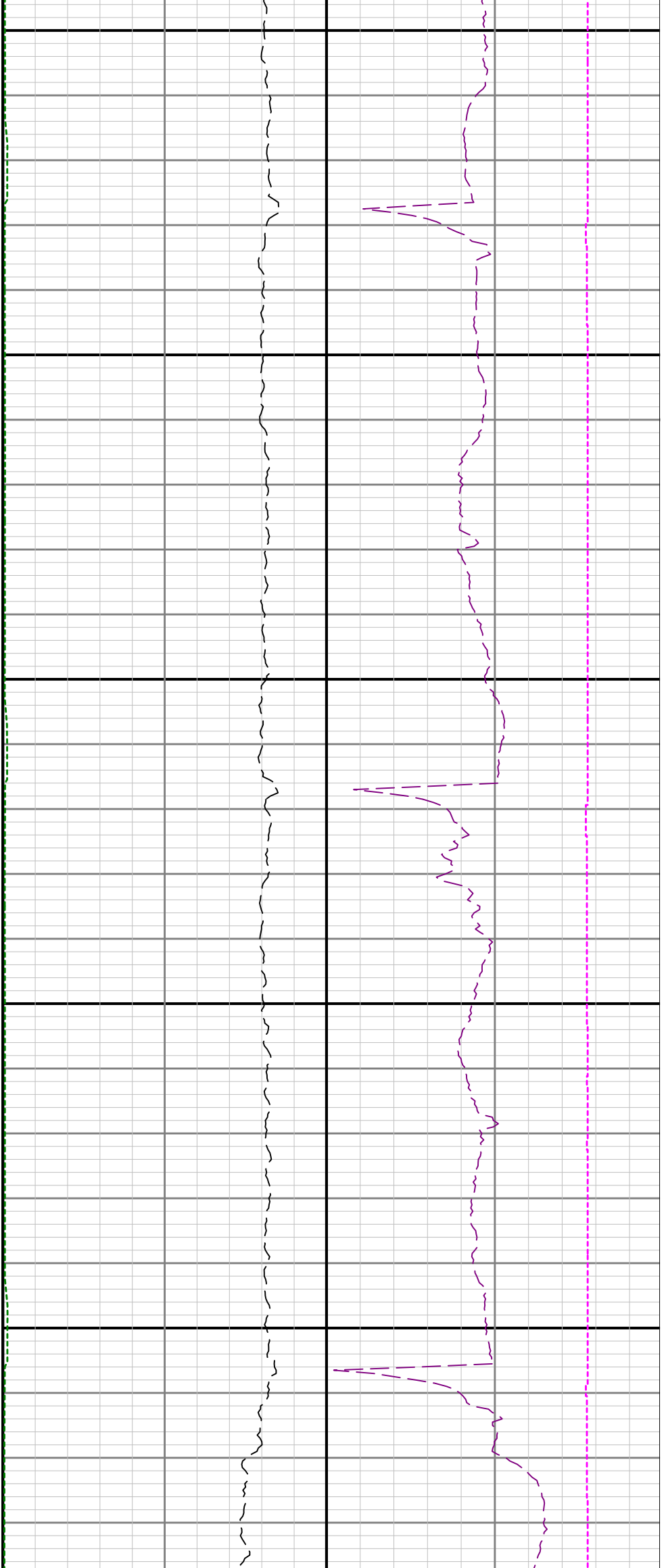
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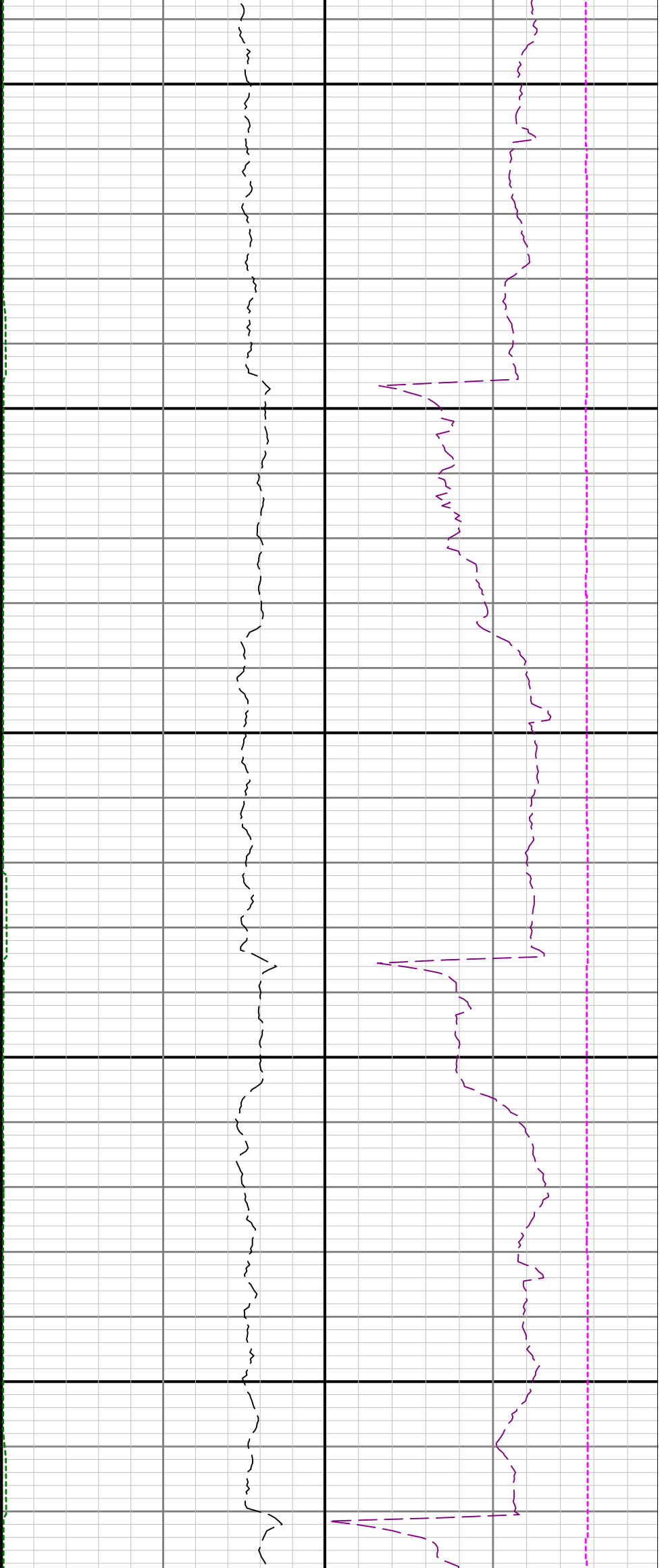
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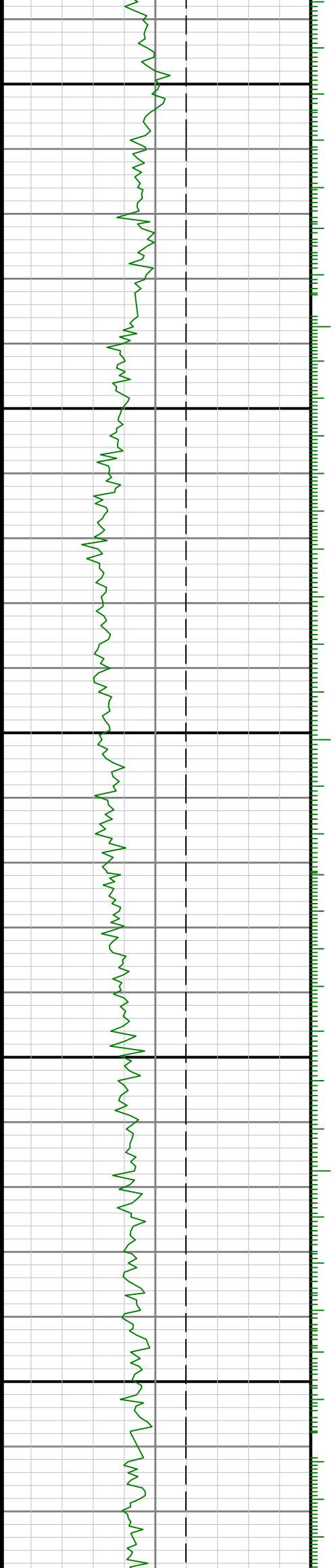


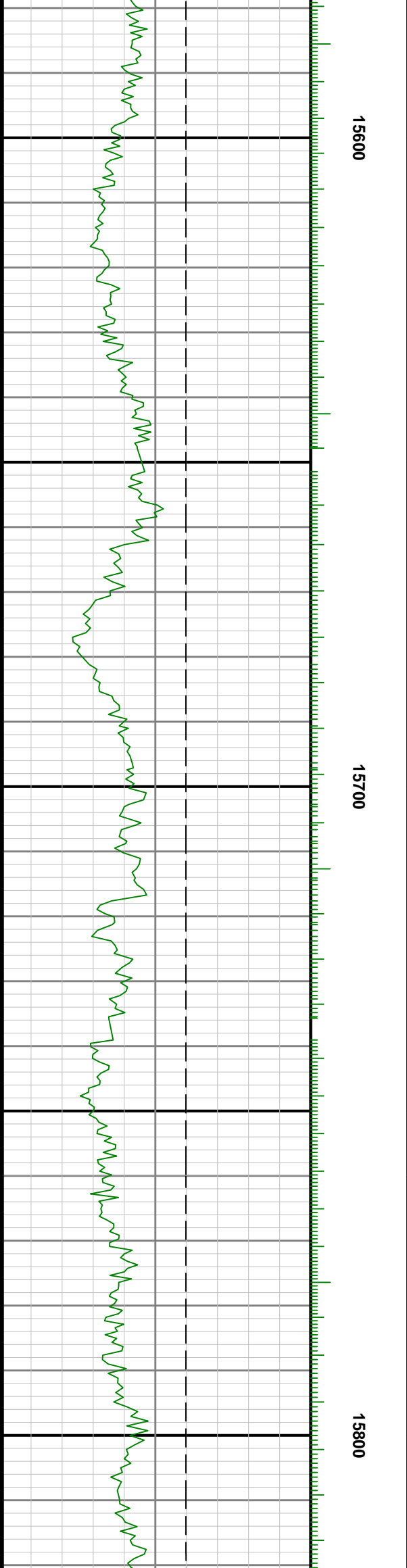
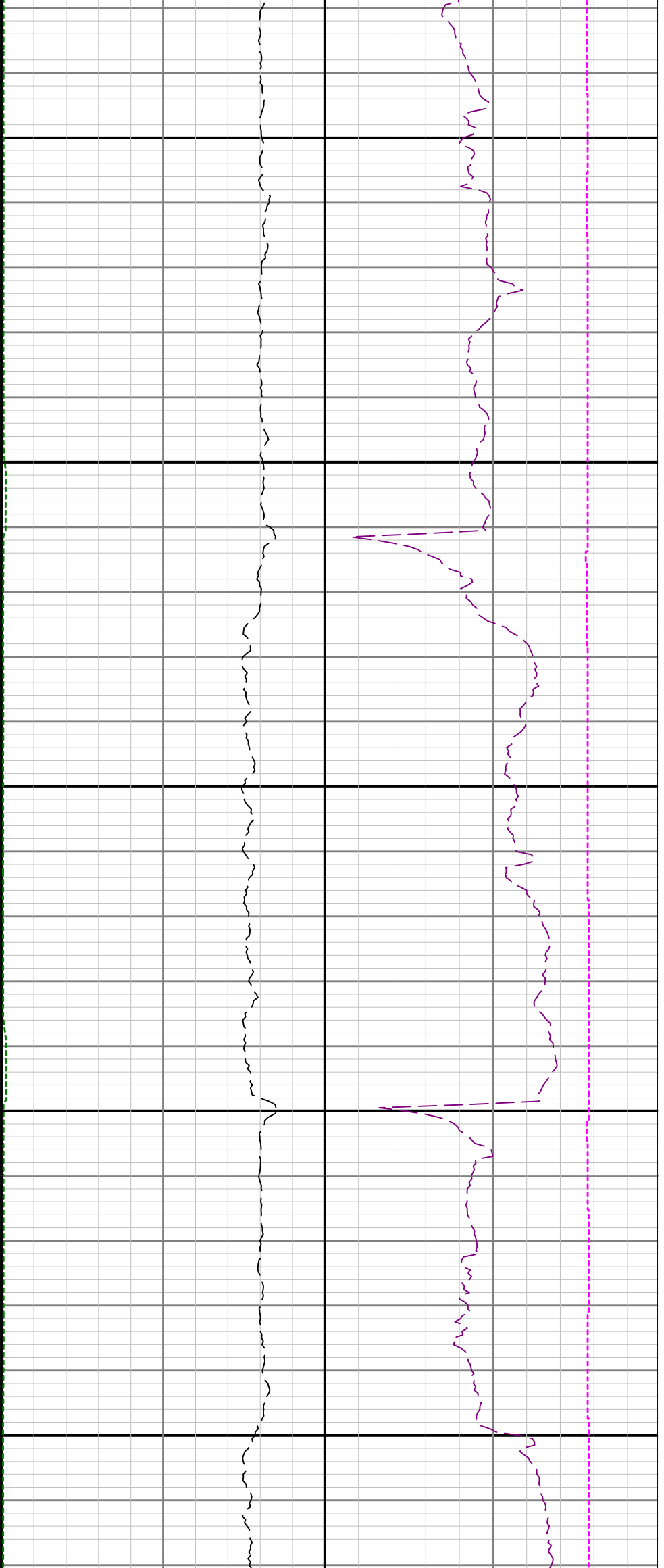


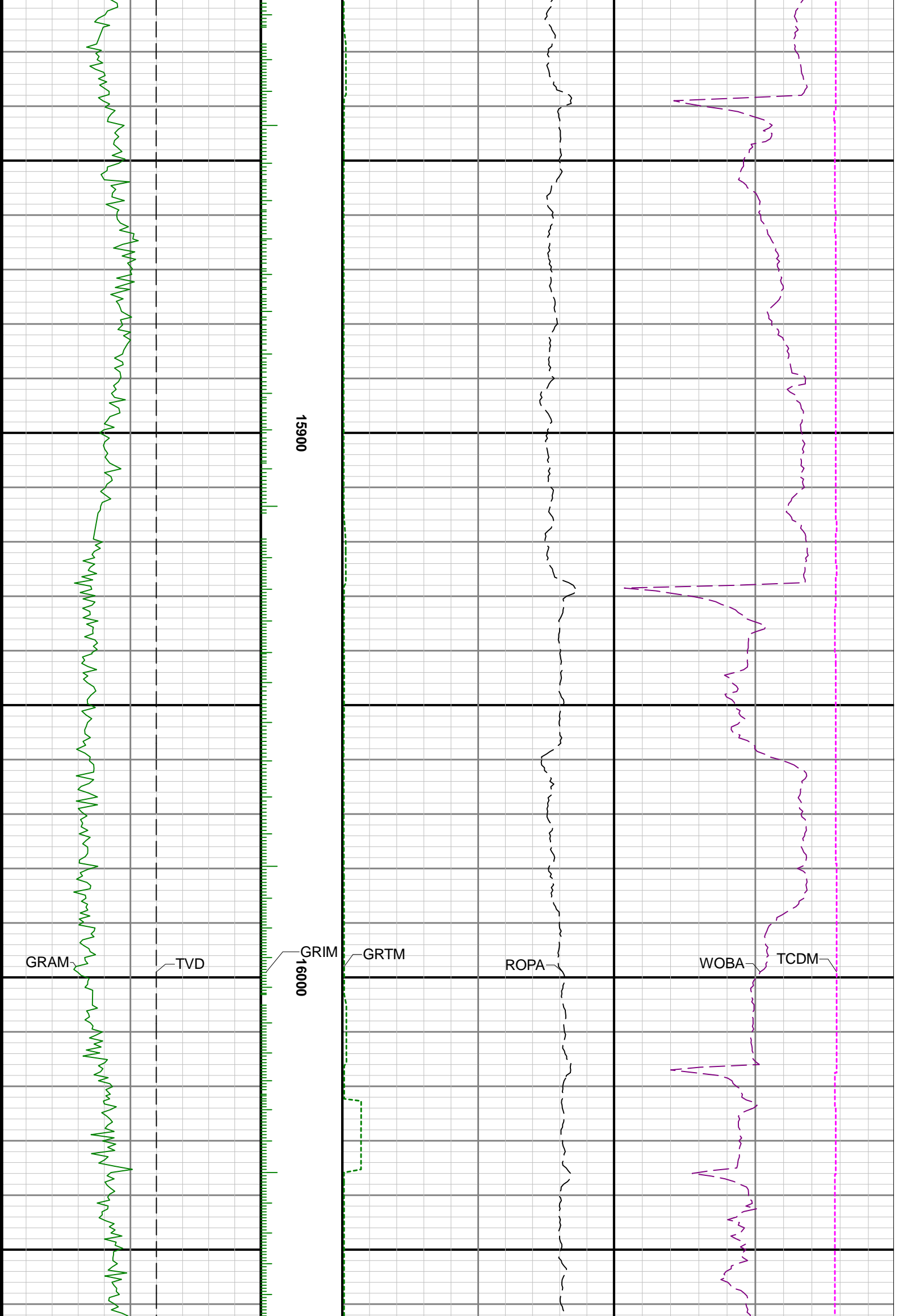


15400

15500





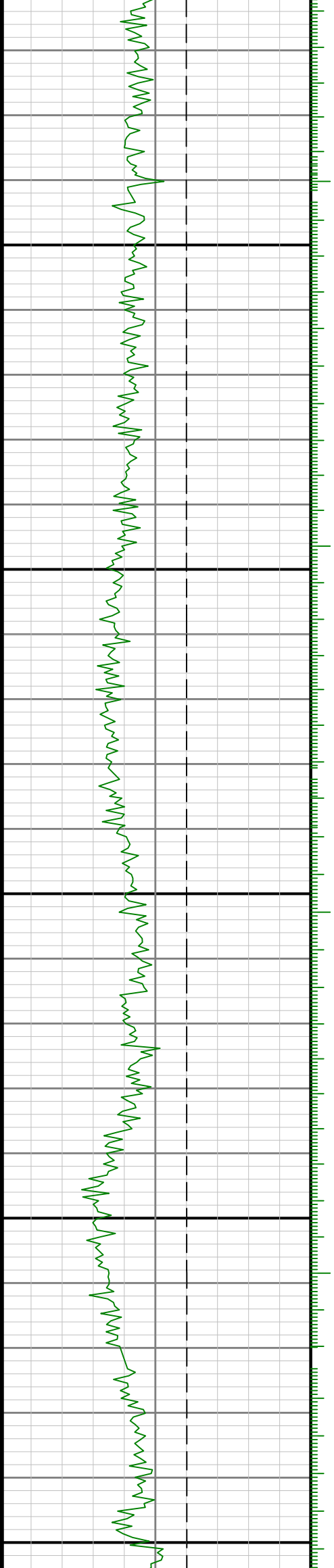




16100

16200

16300





16400

16500

