

<div><div>Baker Hughes</div></div>		LWD MEMORY COMPOSITE LOG												
		Gamma Ray												
Scale: 1:240 Measured Depth		<div>Company: Noble Energy, Inc.</div> <div>Well: Aristocrat H14-785</div> <div>Field: WELD COUNTY(NOBLE NAD 83 GRID)</div> <div>County: WeldCountry: United States</div> <div>State: Colorado</div>												
Depth Reference: Driller's Depth														
Status: Final Print		<div>Surface Location:</div> <div>Latitude: 40° 15' 00.864" N</div> <div>Longitude: 104° 37' 44.076" W</div>								Other Services: Directional				
API: 05123490850000														
Job ID: 112179992		SEC: 2		TWN: 3N		RGE: 65W								
Operational Summary						Rig & Elevations								
Dates		Drilled (ft)		Logged (ft)		Rig Contractor: Helmerich & Payne Drilling Co		Rig: H&P 517		Elev. KB: (ft)		4810.00		
From:	2024-04-01	Top:	2033.00	Top:	2020.00	Permanent Datum (P.D.): Mean Sea Level		Elevation: (ft)		4780.00	Elev. DF: (ft)		4810.00	
To:	2024-04-04	Bottom:	16781.00	Bottom:	16768.00	Log Measured From: Rig Floor		Above P.D.: (ft)		4810.00	Elev. GL: (ft)		4780.00	
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Log Run Summary														
Run No	Bit Run No.	Bit Size (in)	Bit Type	Bit Gauge Length (in)	Assembly Type	Logged Interval		Bit Depth Interval		Date / Time		Circ. Hours (h)		
						Top (ft)	Bottom (ft)	From (ft)	To (ft)	Start Logging	End Logging			
2	2	8.500	PDC	2.50	AutoTrak Curve	2020.00	14216.00	2033.00	14229.00	2024-04-01 19:35	2024-04-03 02:40	29.71		
3	3	8.500	PDC	2.50	AutoTrak Curve	14216.00	16768.00	14229.00	16781.00	2024-04-03 16:03	2024-04-04 06:03	16.13		
Crew														
Name			Arrive Wellsite	Depart Wellsite	Name			Arrive Wellsite	Depart Wellsite	Name			Arrive Wellsite	Depart Wellsite
Alexander Robinson			2024-04-01	2024-04-04	Angel Hernandez			2024-04-01	2024-04-04	Henry A Mata			2024-04-01	2024-04-04
Jon Roop			2024-04-01	2024-04-04	Matt Leopold			2024-04-01	2024-04-04	Greg Bingham			2024-04-04	2024-04-04
John Gordon			2024-04-04	2024-04-04										
Witness														
Name				Run										
Drew Greedes				2,3										
Mud Properties Record														
Date / Time		Run No.	Depth (ft)	Mud Type	Density (ppg)	Viscosity (cP)	pH	Fluid Loss (cm3)	Oil / Water	Source	Total Chlorides (ppm)	K+ (%)		
2024-04-01 17:26		2	2062.00	Synthetic Based Mud	10.3	23	N/A	22.0	62.5/20	Active Pit	27211	N/A		
2024-04-02 16:00		2	9788.00	Synthetic Based Mud	10.1	18	N/A	22.0	64.5/18.5	Active Pit	27000	N/A		
2024-04-03 10:05		3	14229.00	Synthetic Based Mud	10.1	18	N/A	22.0	64.5/18.5	Active Pit	26239	N/A		
2024-04-03 16:30		3	14439.00	Synthetic Based Mud	10.4	19	N/A	20.0	64/18.5	Active Pit	26239	N/A		
Equipment and Service Data														
Run No.	Tool				Serial Number			Measurement		Sensor Offset (ft)	Bit Offset (ft)	Max O.D. (in)	Min I.D. (in)	
2	AutoTrak Curve Steering Unit				15932345			Near Bit Inclination		6.18	7.03	7.000	4.330	
2	AutoTrak Curve Steering Unit				15932345			Near Bit VSS		6.18	7.03	7.000	4.330	
2	AutoTrak Curve MWD				12830106			Gamma (single)		2.06	13.00	7.000	3.250	
2	AutoTrak Curve MWD				12830106			Directional (mag)		12.27	23.21	7.000	3.250	

3	AutoTrak Curve Steering Unit	16231824	Near Bit VSS	5.93	6.78	7.000	4.330
3	AutoTrak Curve Steering Unit	16231824	Near Bit Inclination	5.93	6.78	7.000	4.330
3	AutoTrak Curve MWD	16287093	Gamma (single)	2.20	13.16	7.000	3.250
3	AutoTrak Curve MWD	16287093	Directional (mag)	12.27	23.23	7.000	3.250

Service and Tool Mnemonics

Mnemonic	Name	Description
ATC SU	AutoTrak Curve SU	Auto Trak Curve Steering Unit
ATC MWD	AutoTrak Curve MWD	Auto Trak Curve MWD
ATC LCPM	AutoTrak Curve LCPM	Auto Trak Curve LCPM

Comments

- Baker Hughes Company runs 2 and 3 utilized 6 ¾-inch NaviGamma services (Gamma Ray and Directional) behind an 8 ½-inch PDC bit and rotary steerable assembly from 2033 to 16781 feet MD (1960 to 6957 feet TVD).
- Depth measurements were obtained from a depth control system not supplied or operated by Baker Hughes. Due to a lack of control by Baker Hughes logging engineers, depth calibrations and measurements could not be independently verified and the unverified depths as supplied to Baker Hughes are being used to present logging data

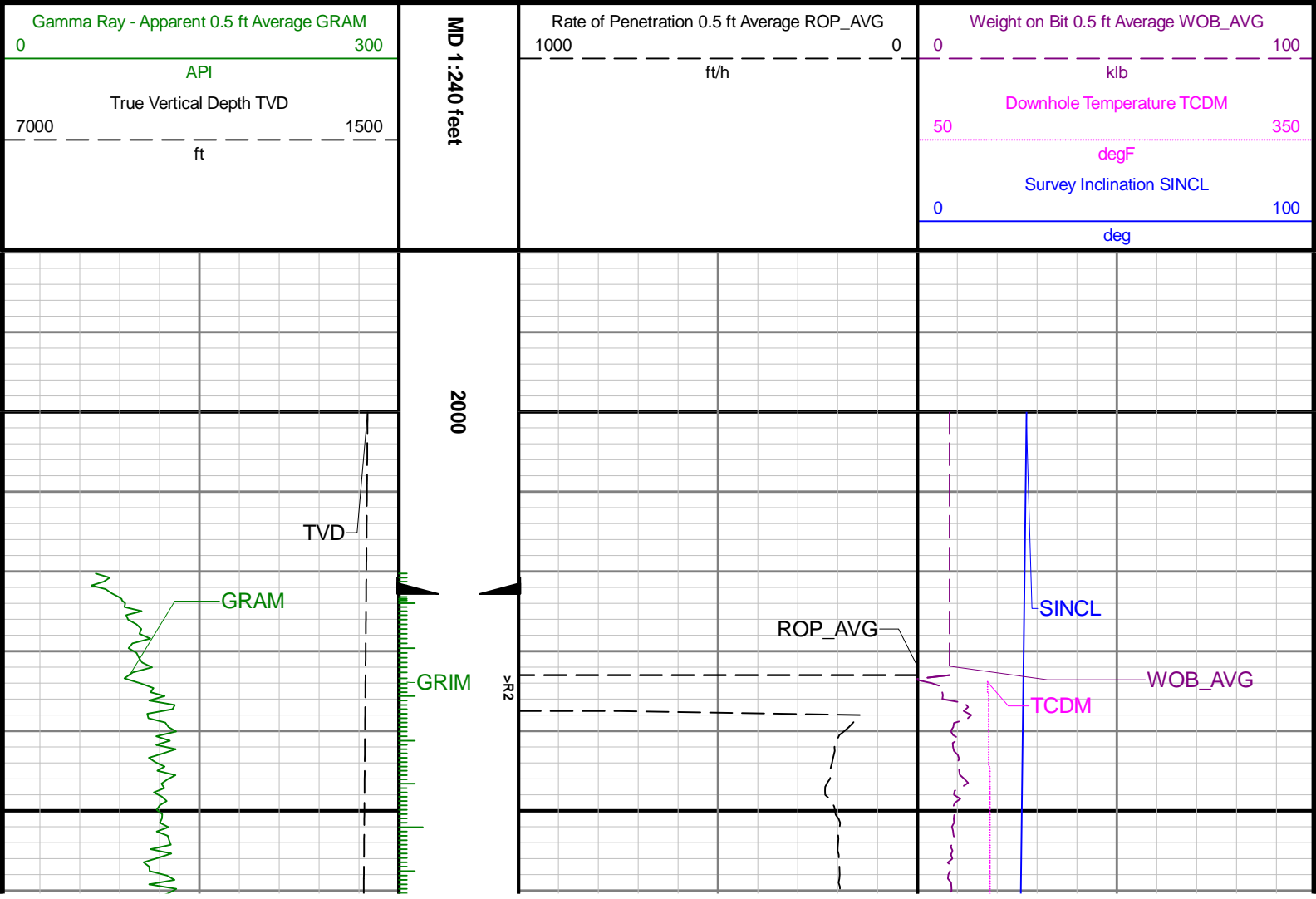
Remarks

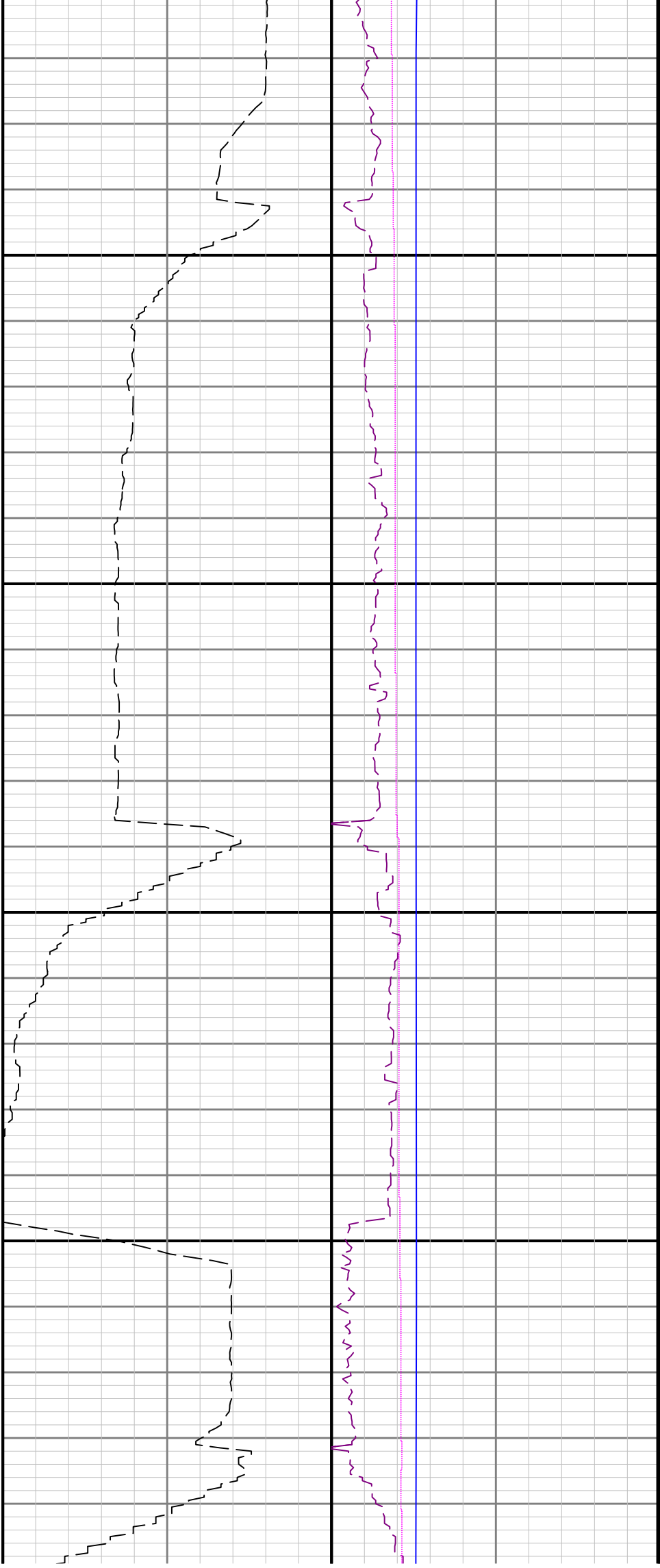
Number	Depth (ft)	Hole Section (in)	Run No.	Remark
1	16768.00	8.500	3	The interval from 16768 to 16781 feet MD (6957 to 6957 feet TVD) was not logged due to sensor to bit offset at well TD.

Curve Mnemonics

Presented Curves	Description	Units
ROP_AVG	Rate of Penetration of bit, Average	ft/h
TVD	True Vertical Depth	ft
WOB_AVG	Weight On Bit, Average	klb
GRAM	Gamma Ray - Apparent - Memory 0.5 ft Average	API
GRIM	Gamma Ray - Data Point Indicator - Memory	unitless
TCDM	Downhole Temperature - Memory	degF
SINCL	Survey Inclination	deg

<div> <div> <div></div> <div>Baker Hughes</div> </div> <div> <div>Company</div> <div>Well</div> <div>Interval</div> <div>Created</div> </div> <div> <div>Noble Energy, Inc.</div> <div>Aristocrat H14-785</div> <div> <div>Date From:</div> <div>2024-04-01 19:35</div> </div> <div> <div>Date To:</div> <div>2024-04-04 06:03</div> </div> <div> <div>2024-04-05</div> <div>01:07:08</div> </div> </div> </div>	<div> <div>Interval Drilled: (ft)</div> <div>2033.00 - 16781.00</div> </div> <div> <div>Interval Logged: (ft)</div> <div>2020.00 - 16768.00</div> </div>			
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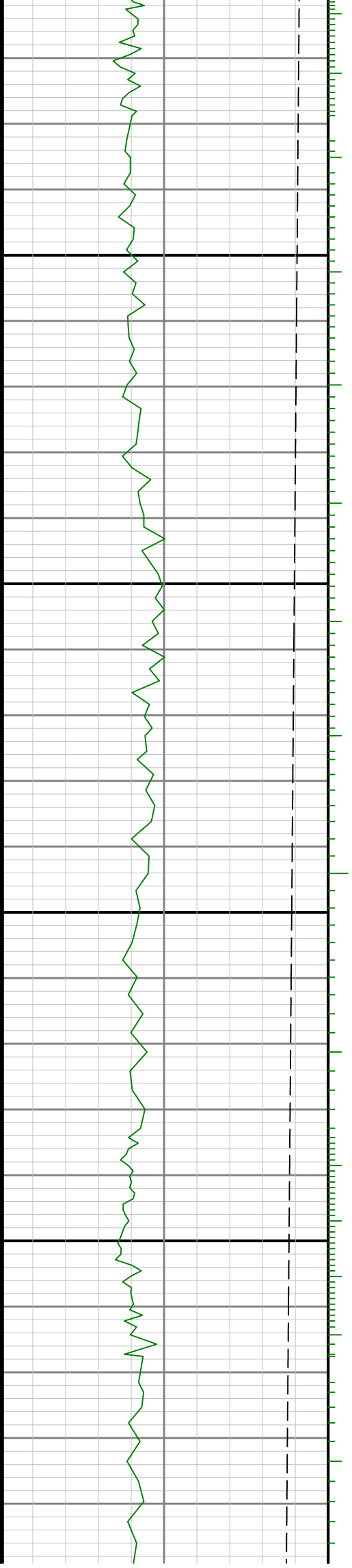


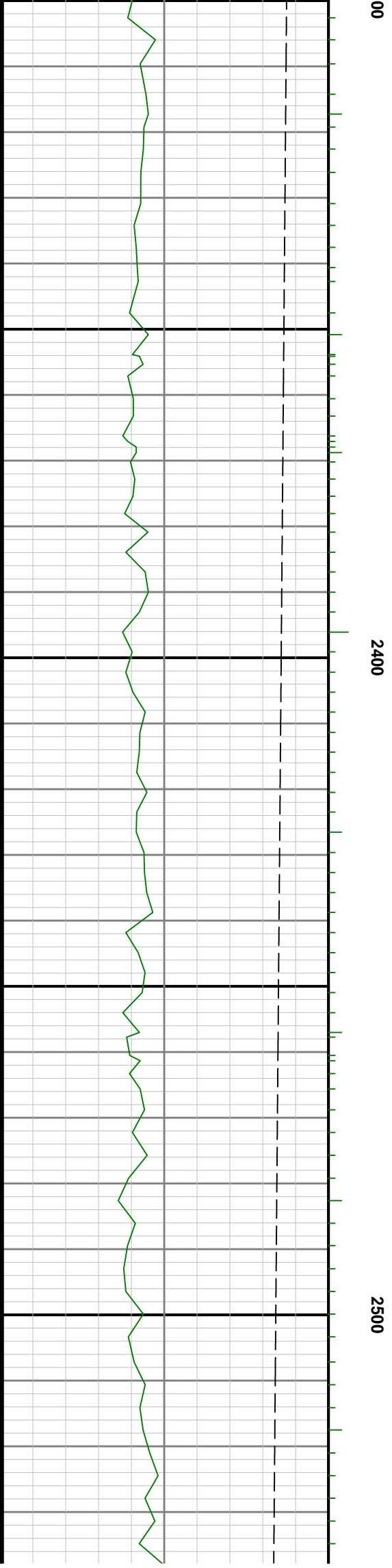


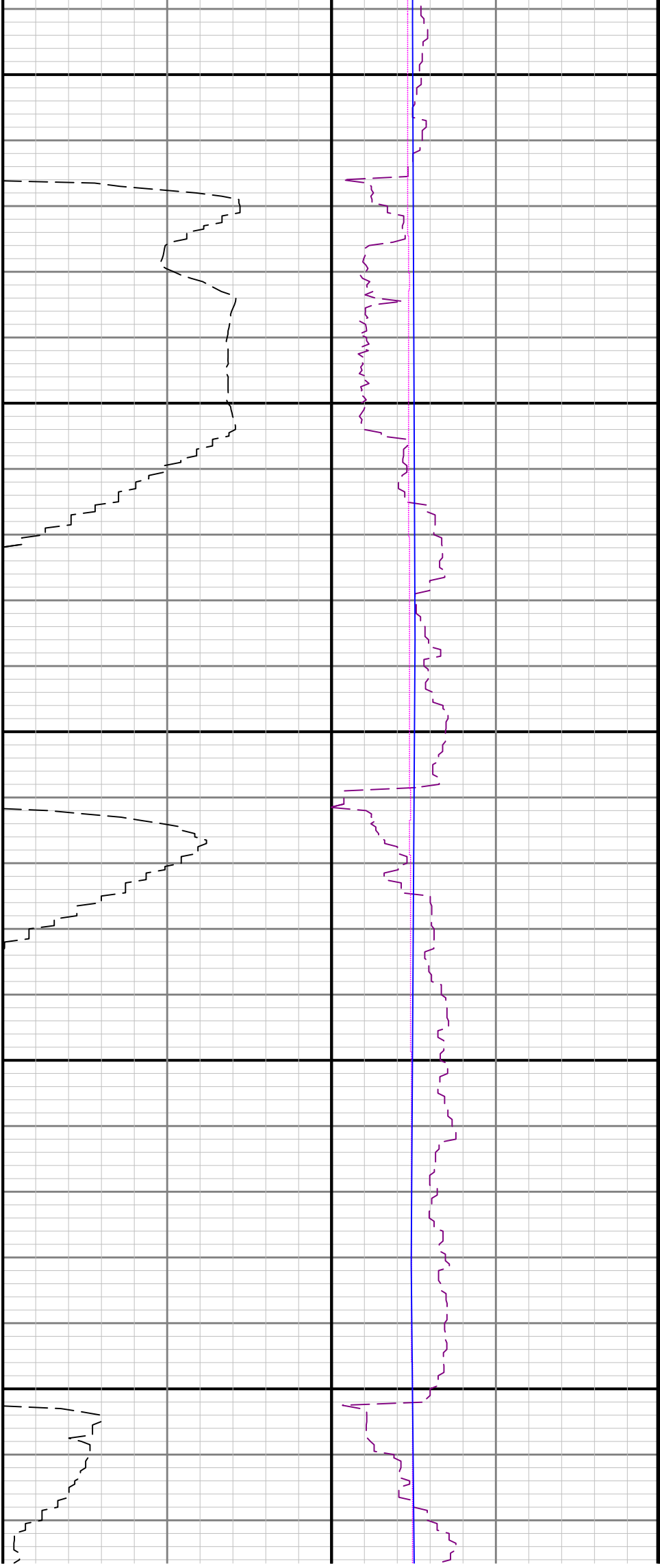
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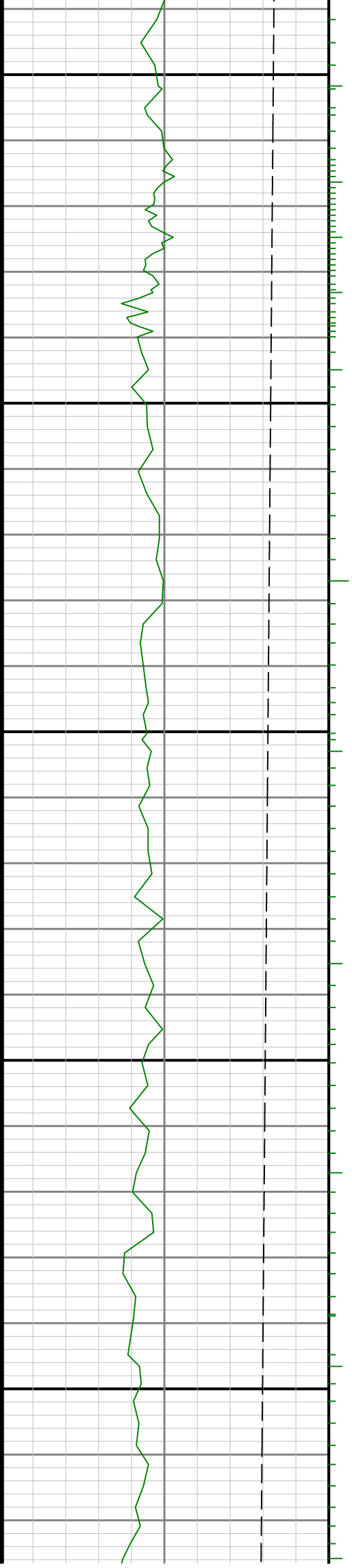


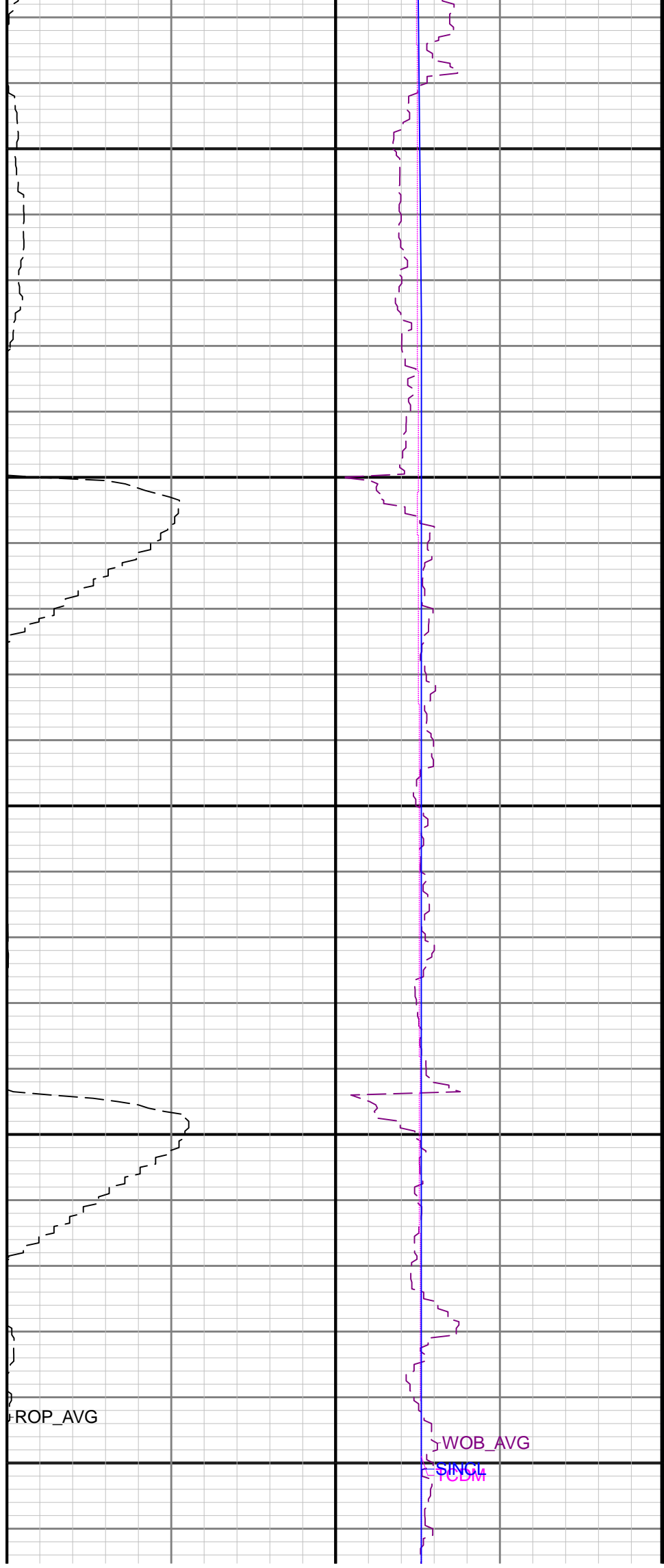
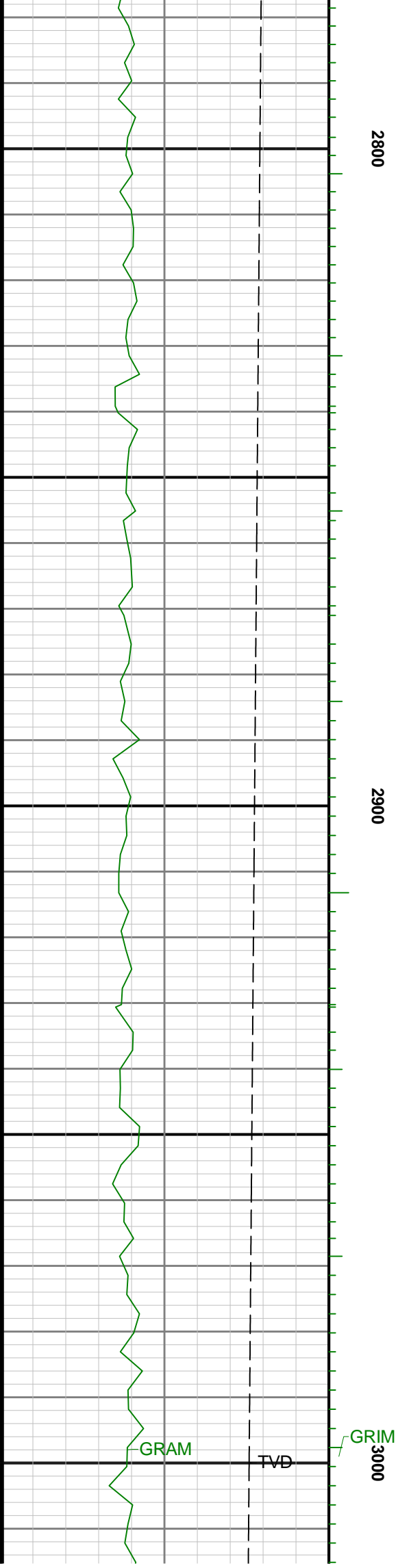


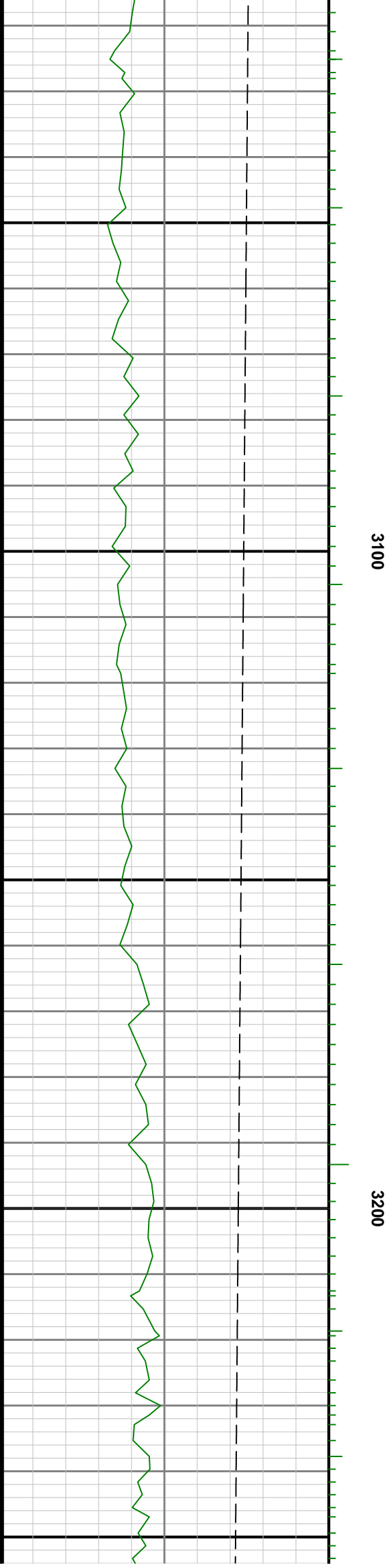
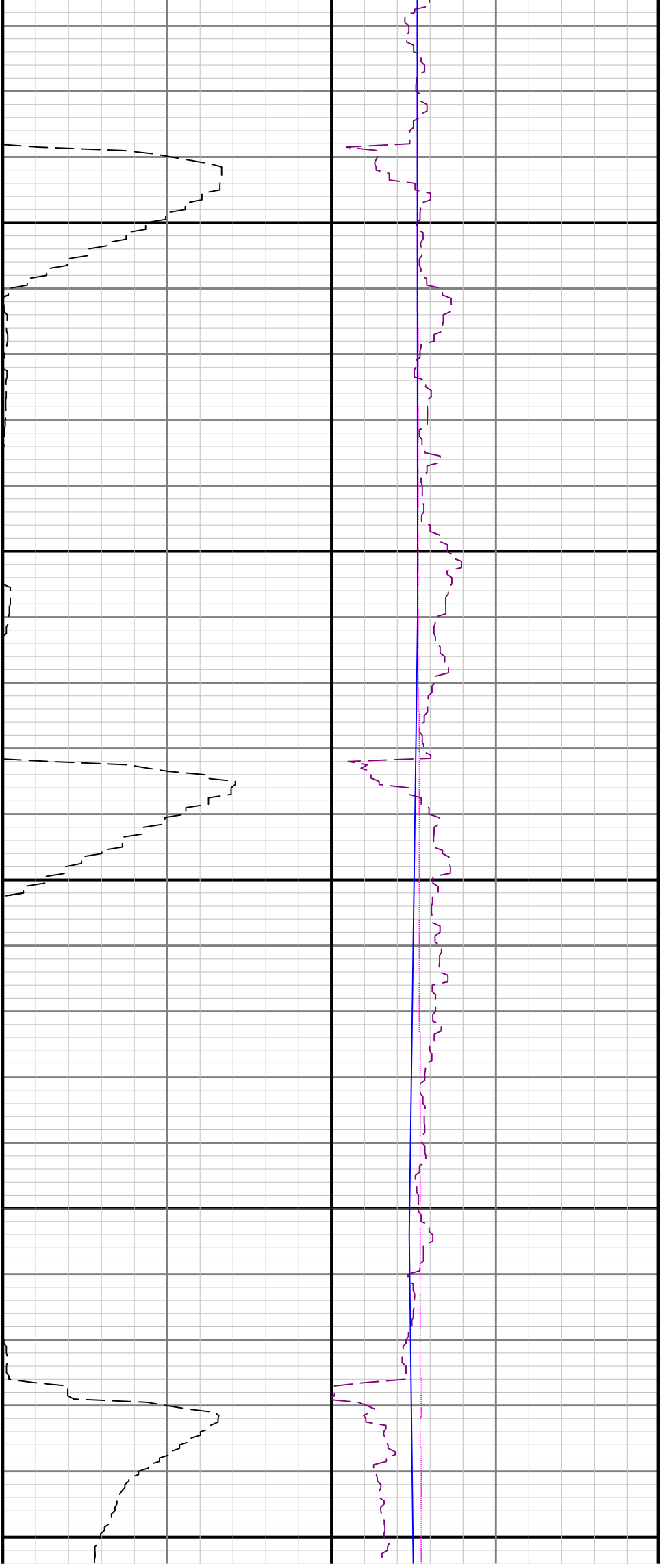


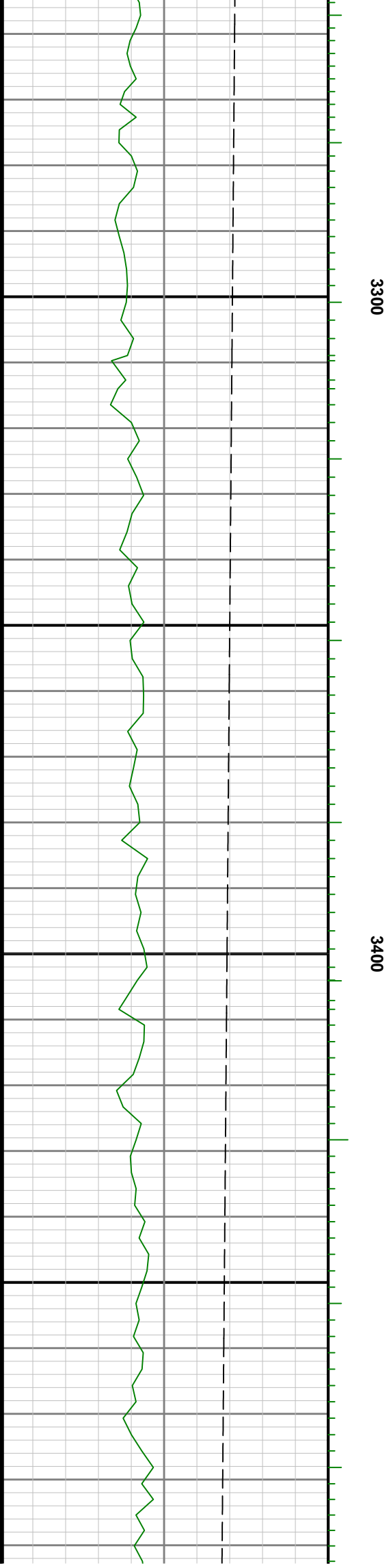
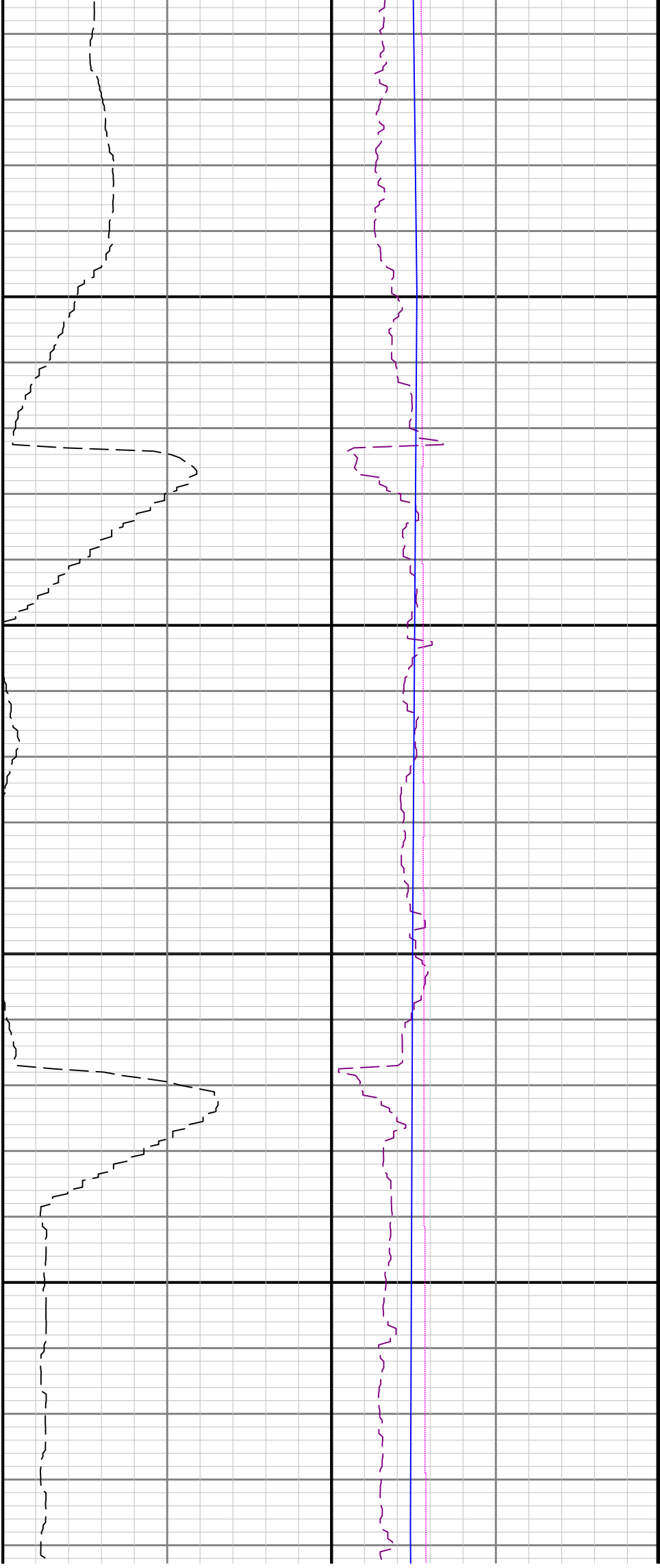
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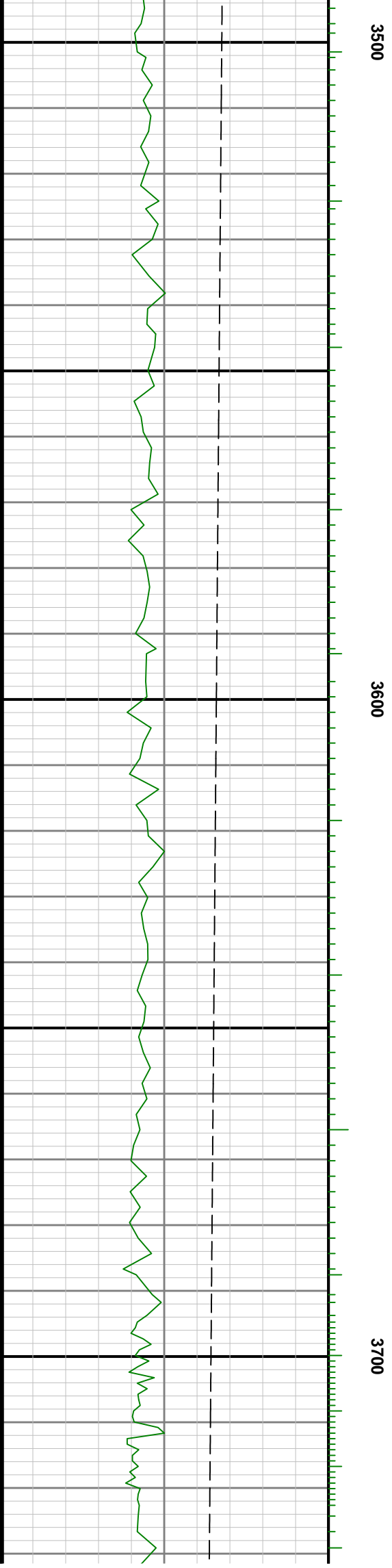
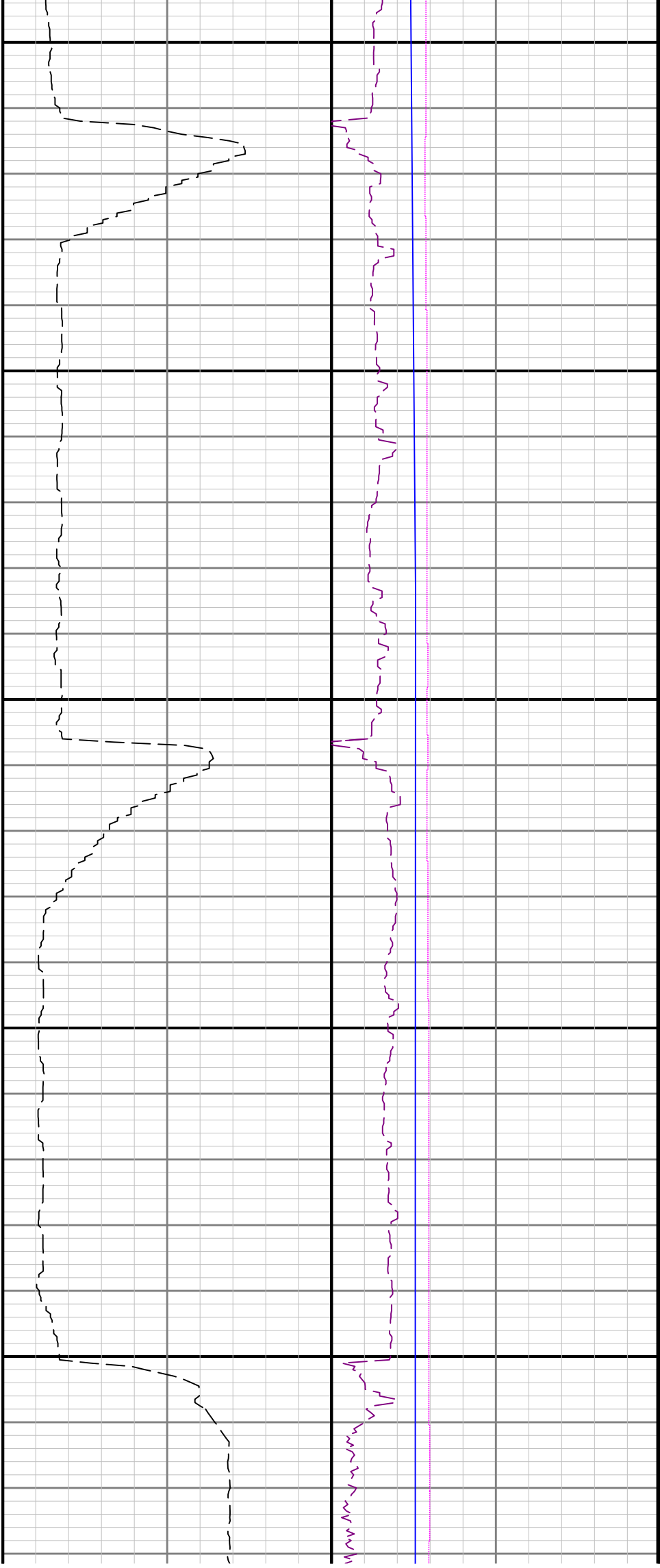
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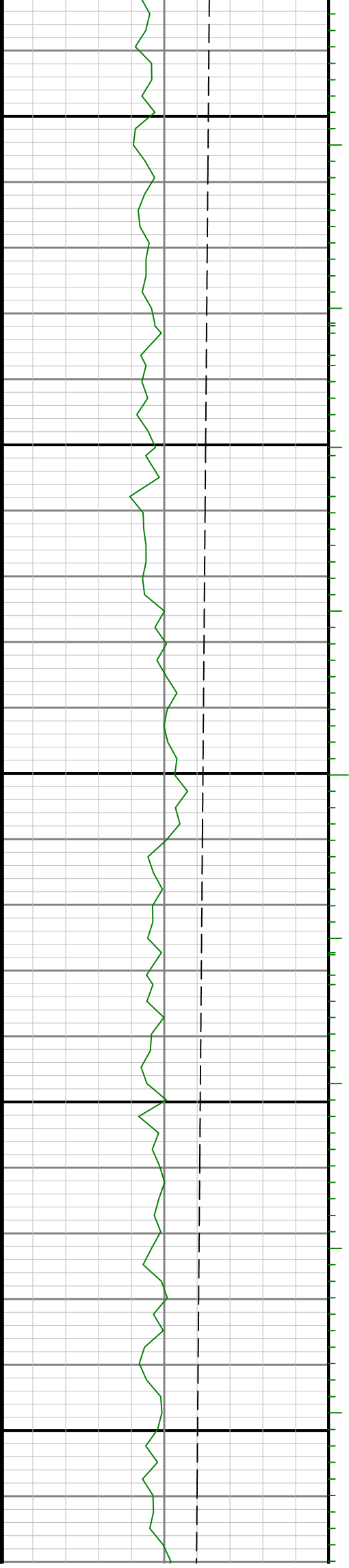






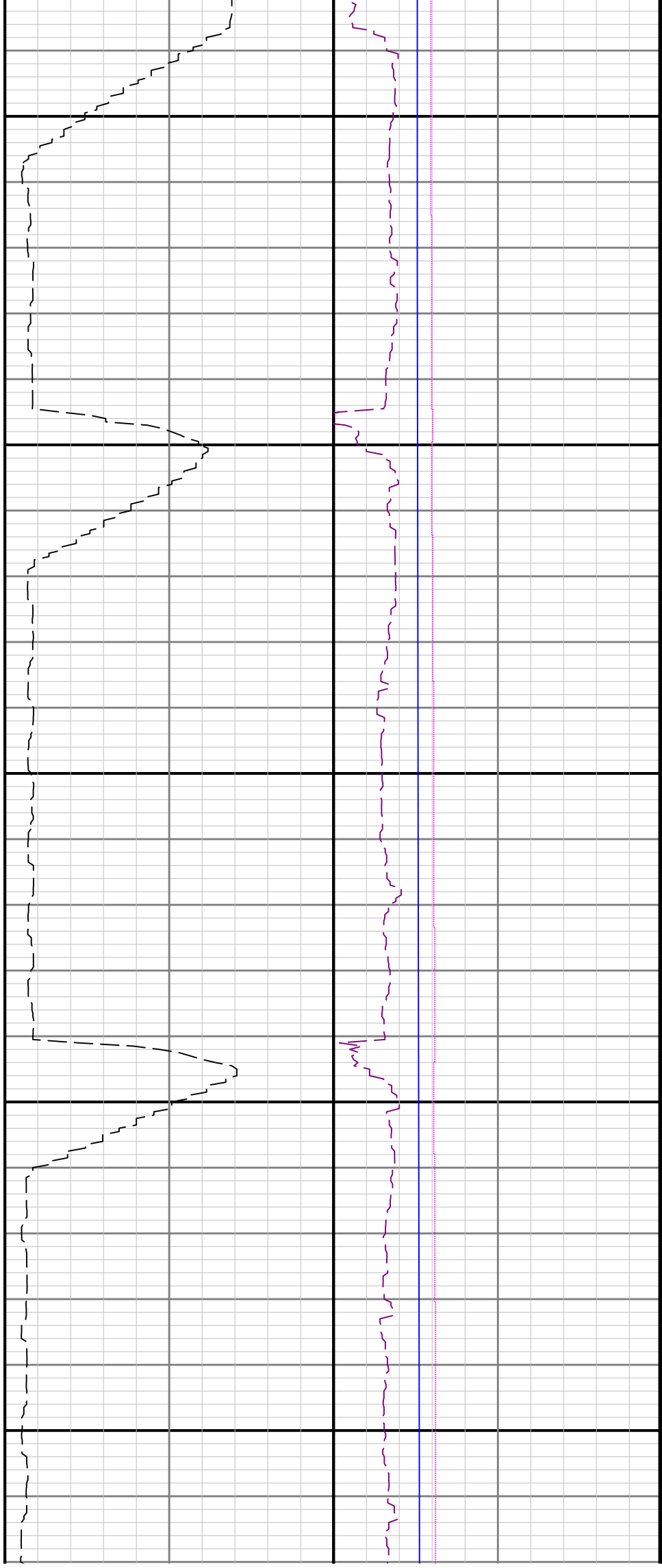


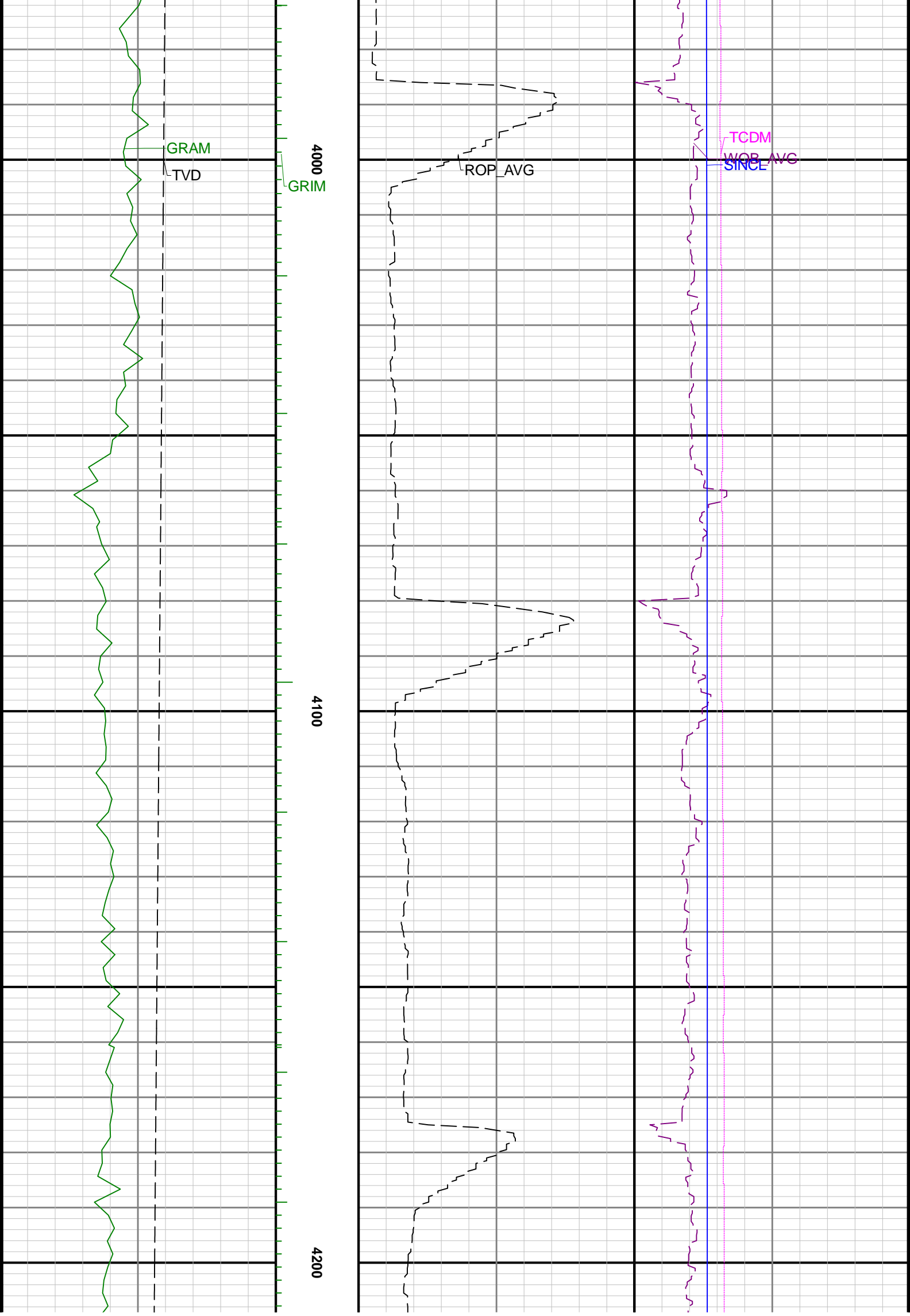


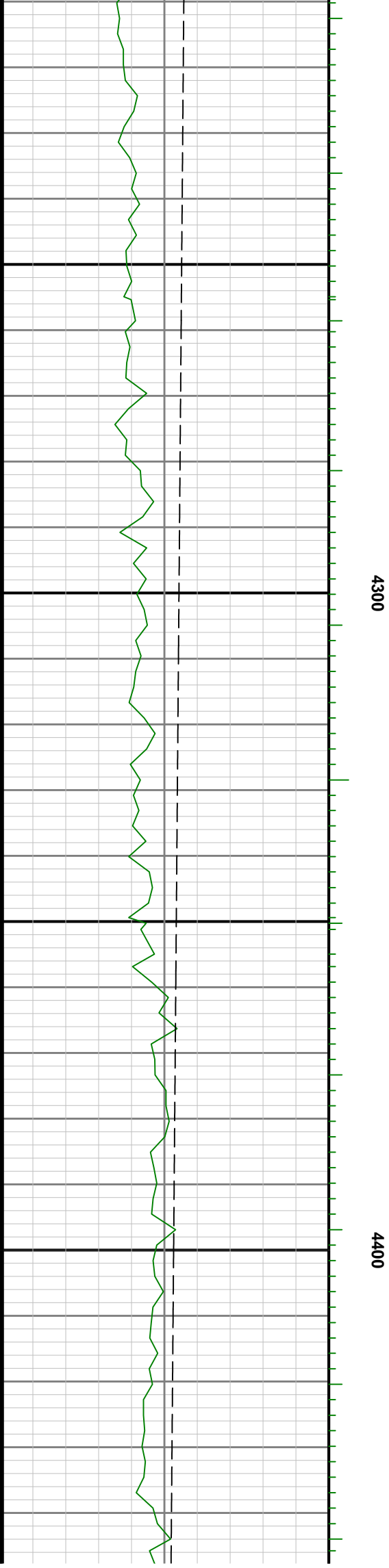
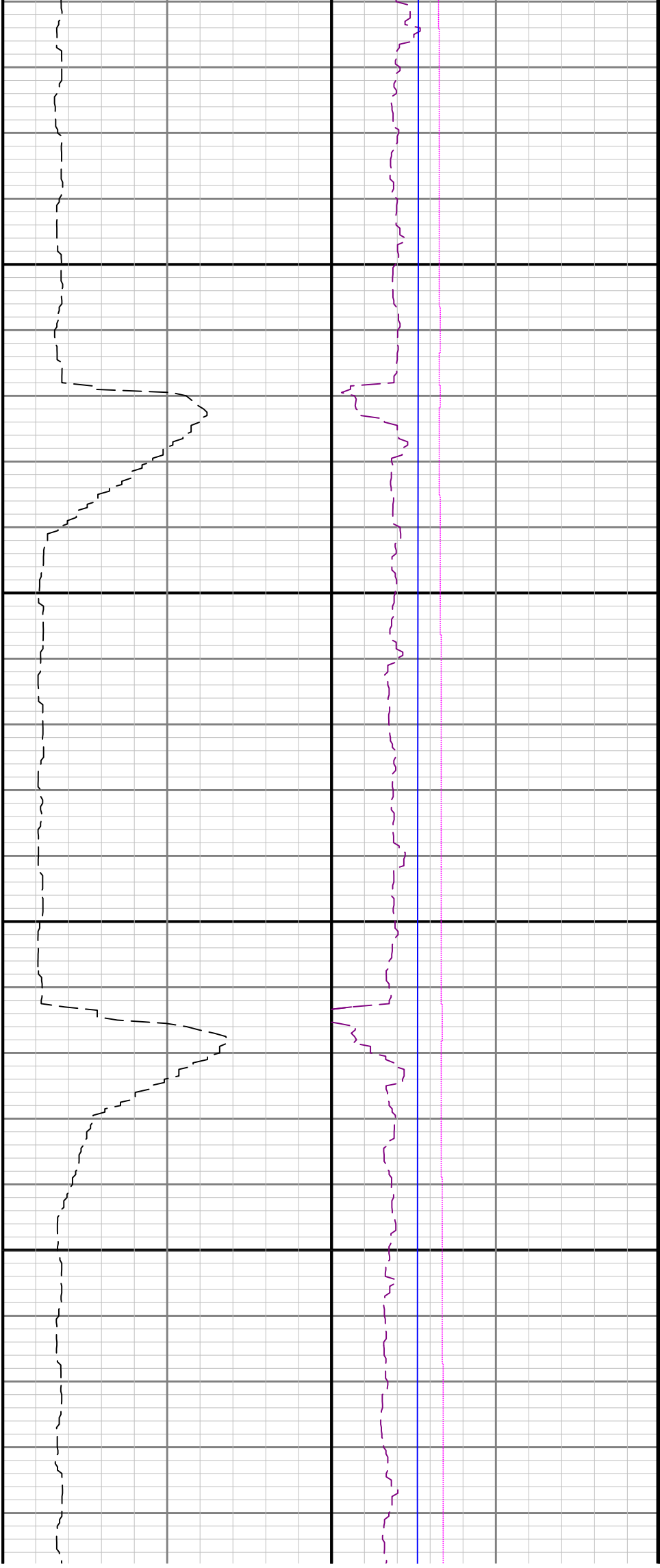


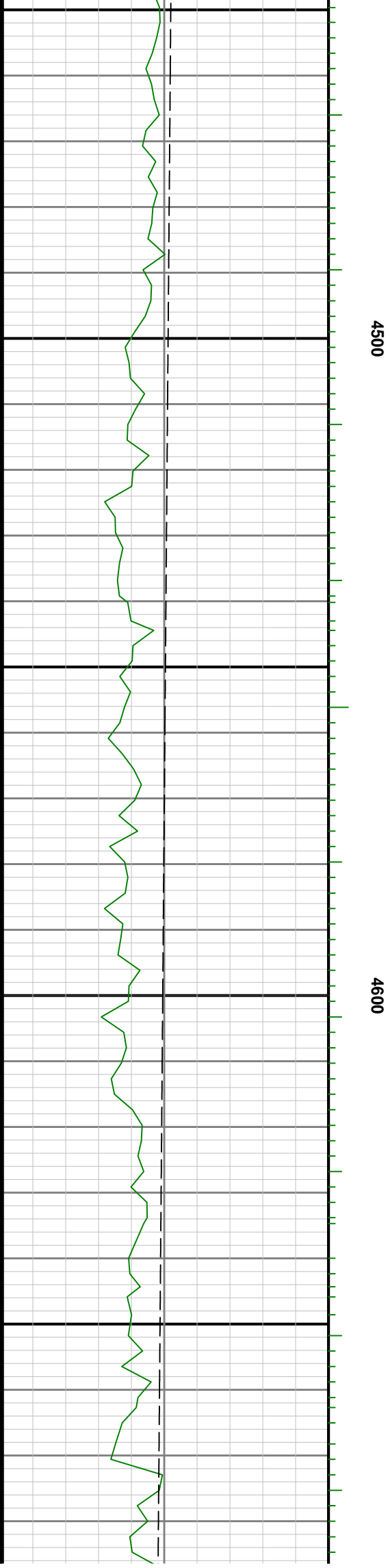
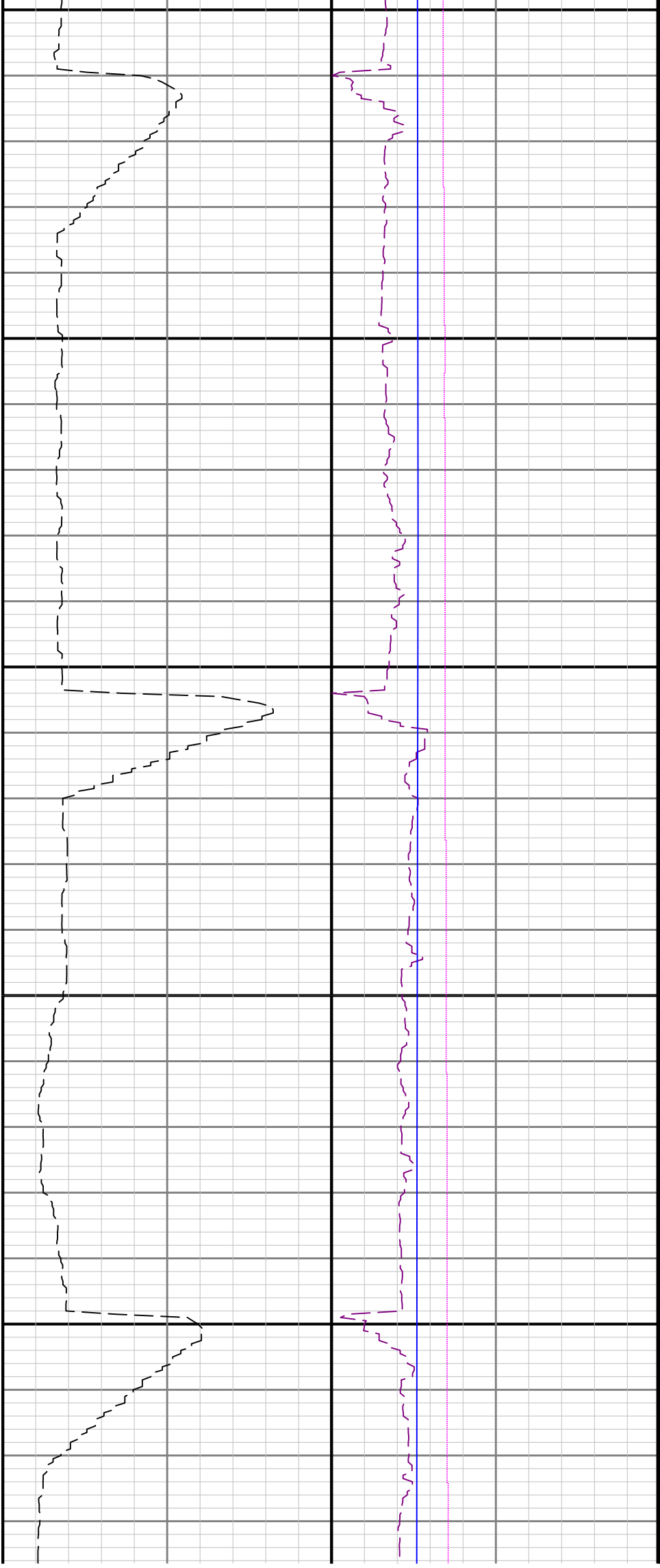
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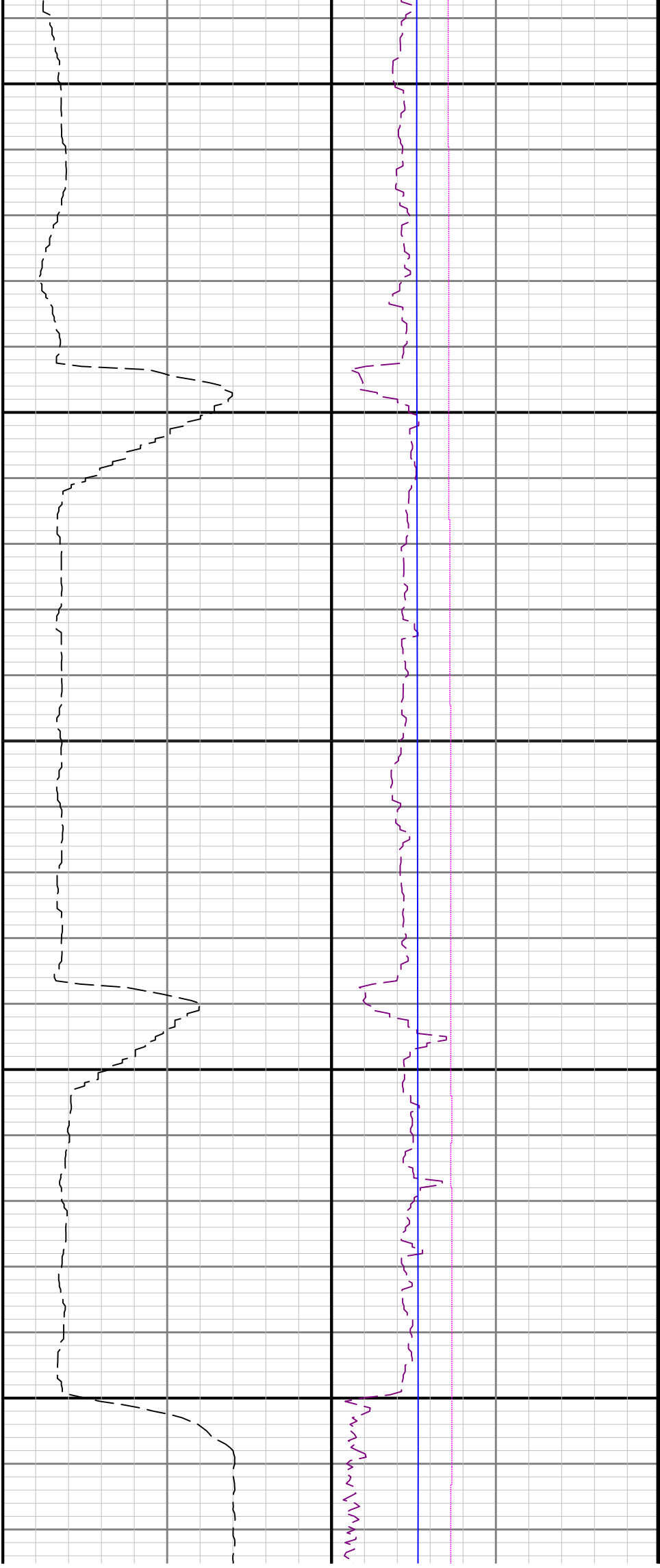
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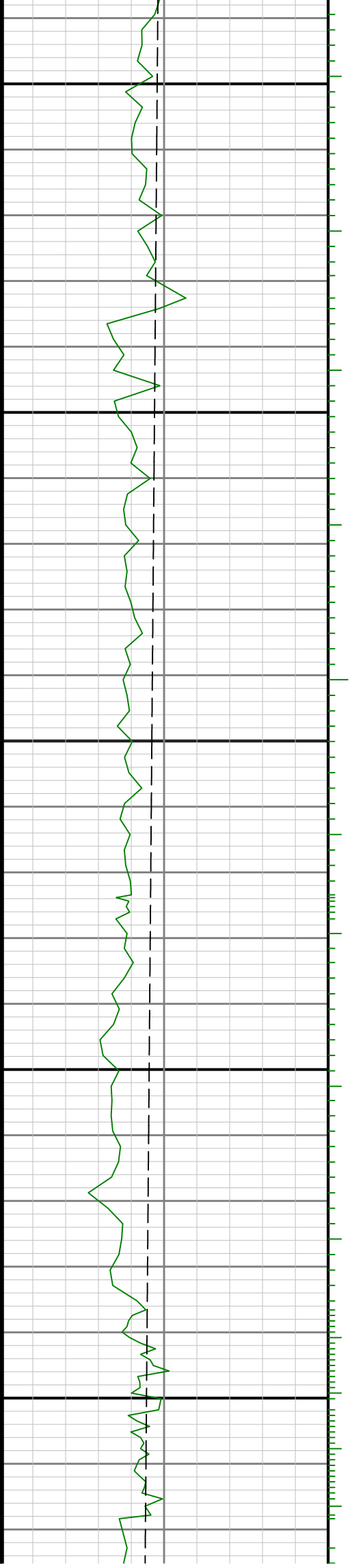


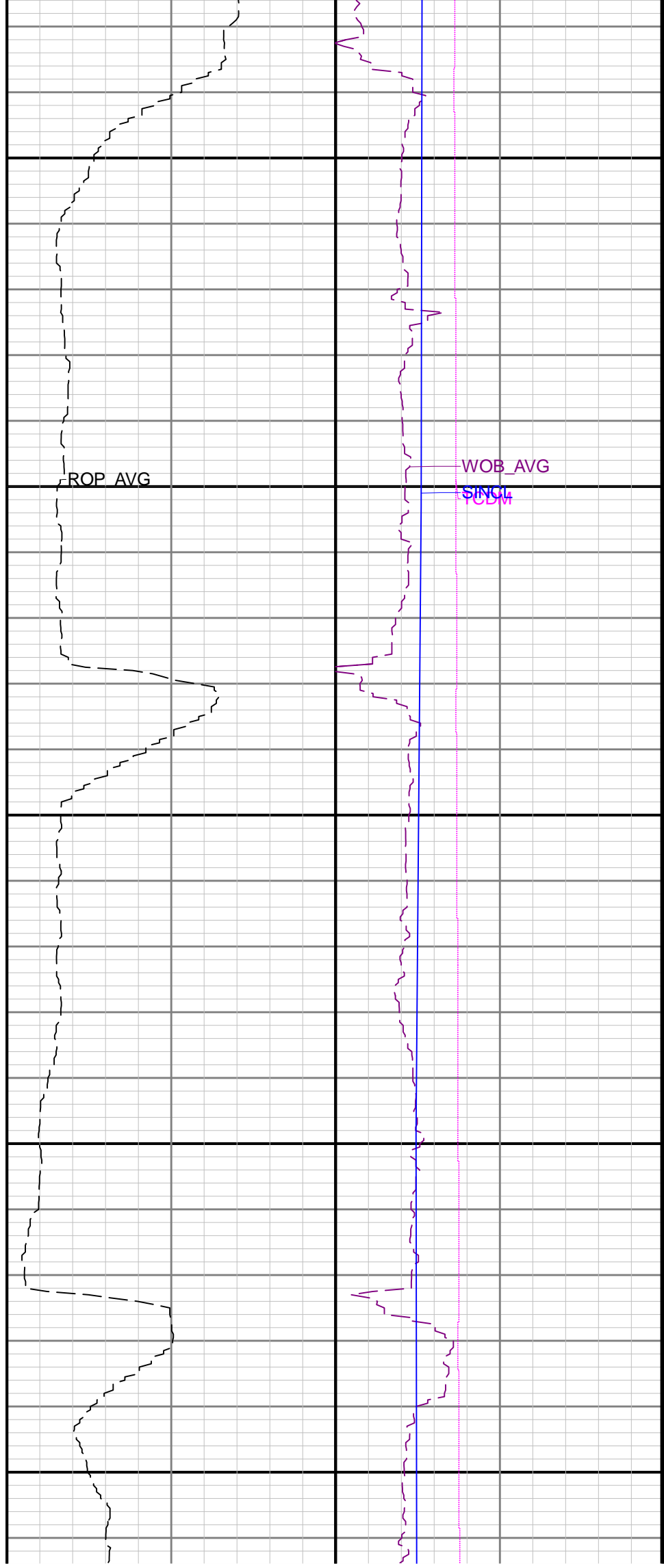
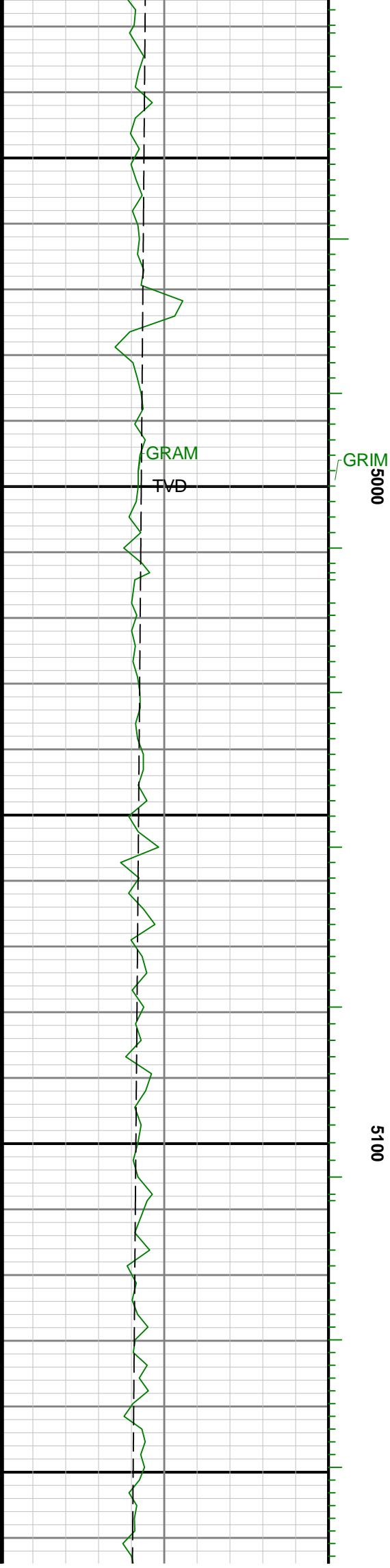


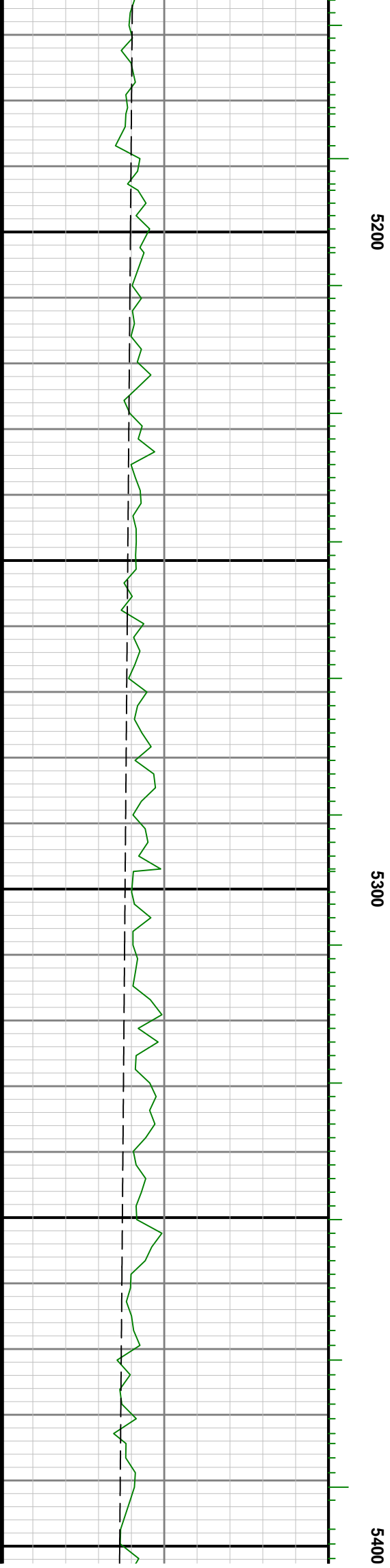
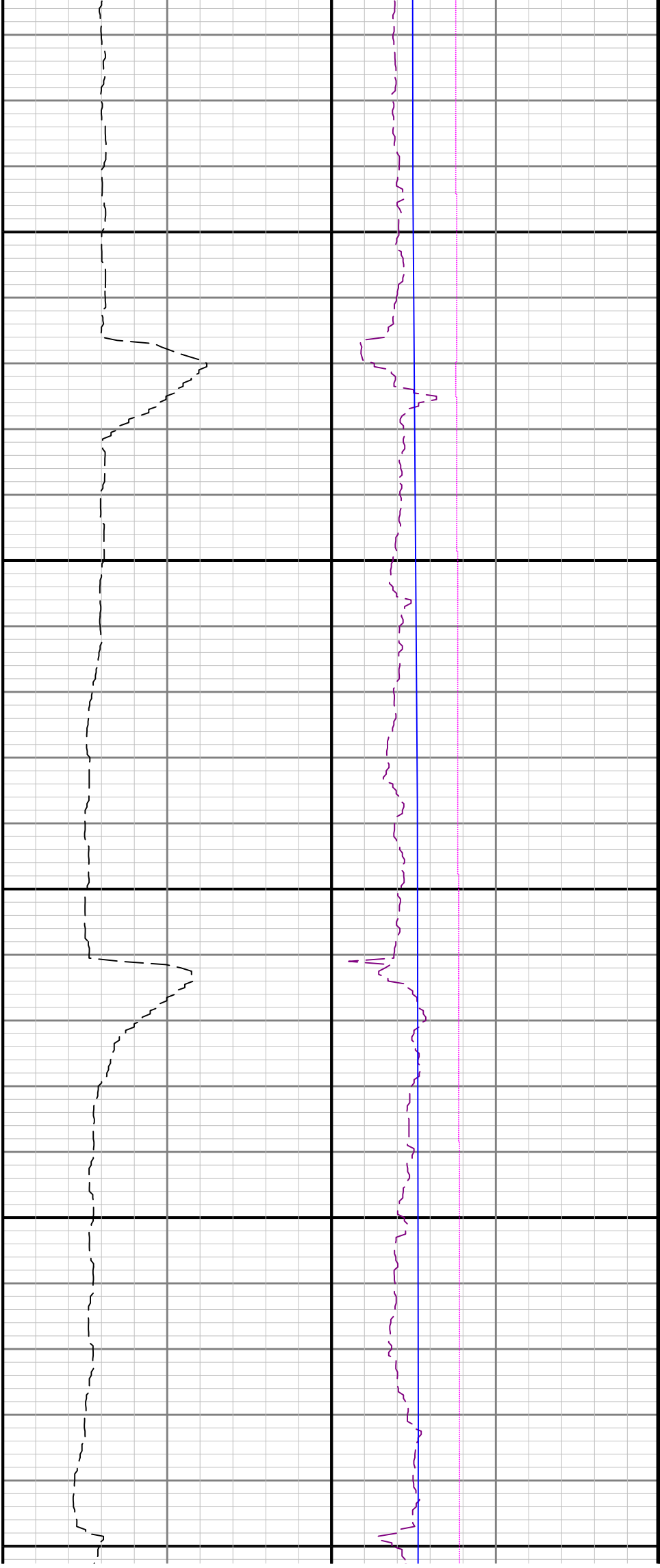
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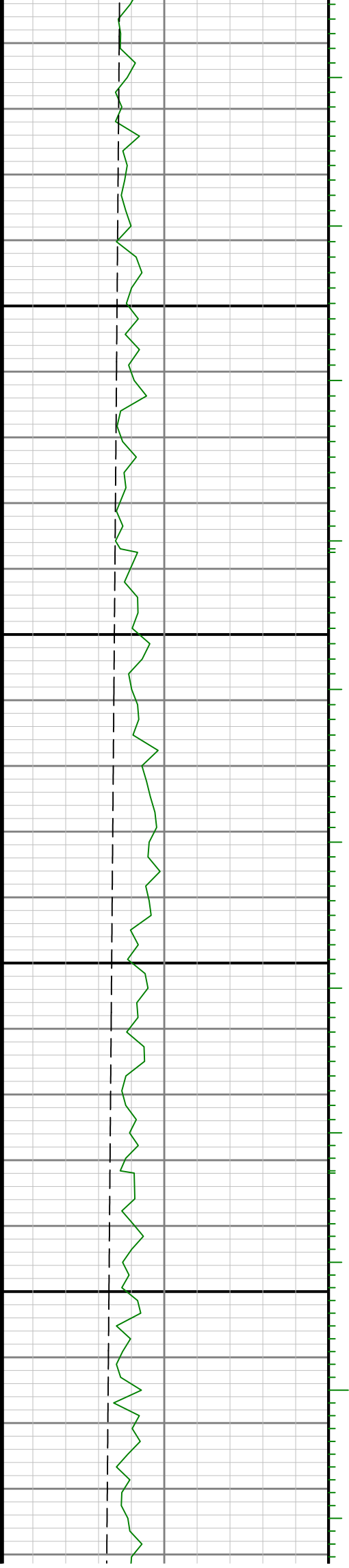
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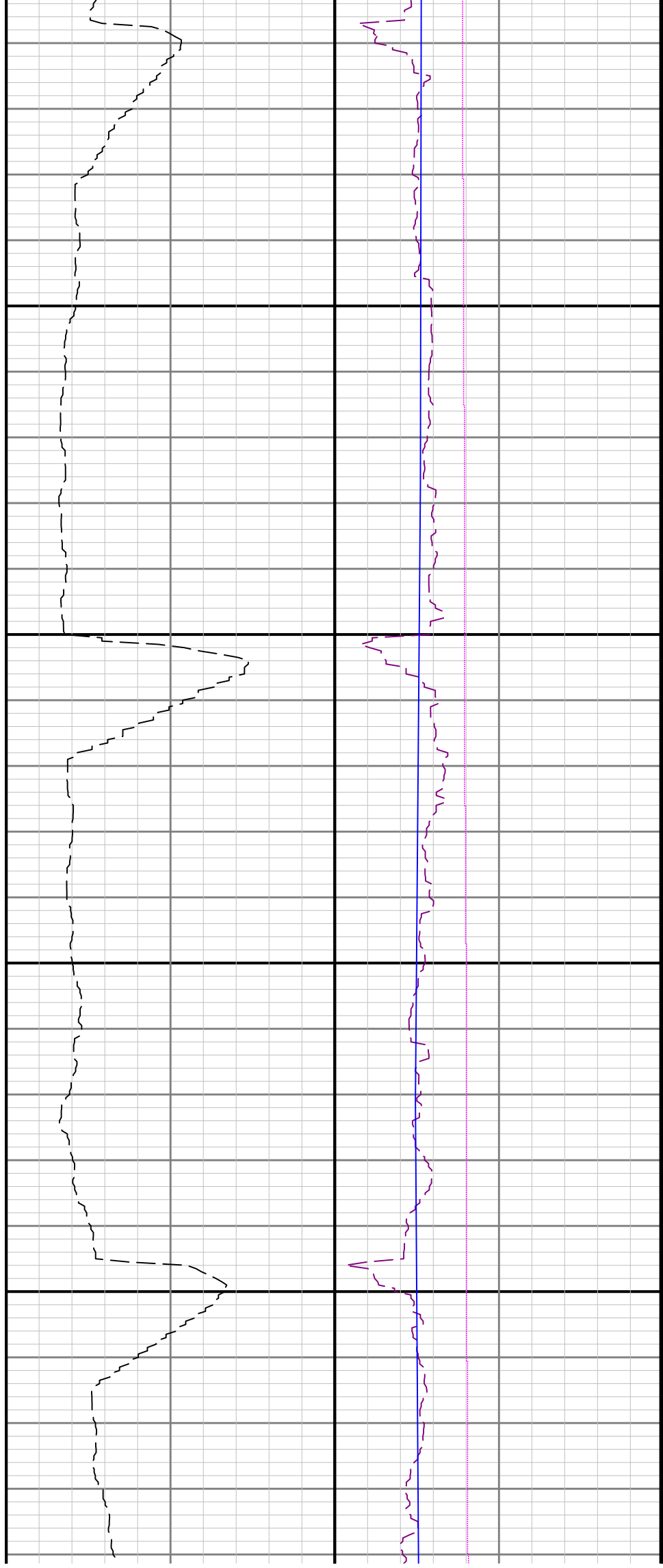


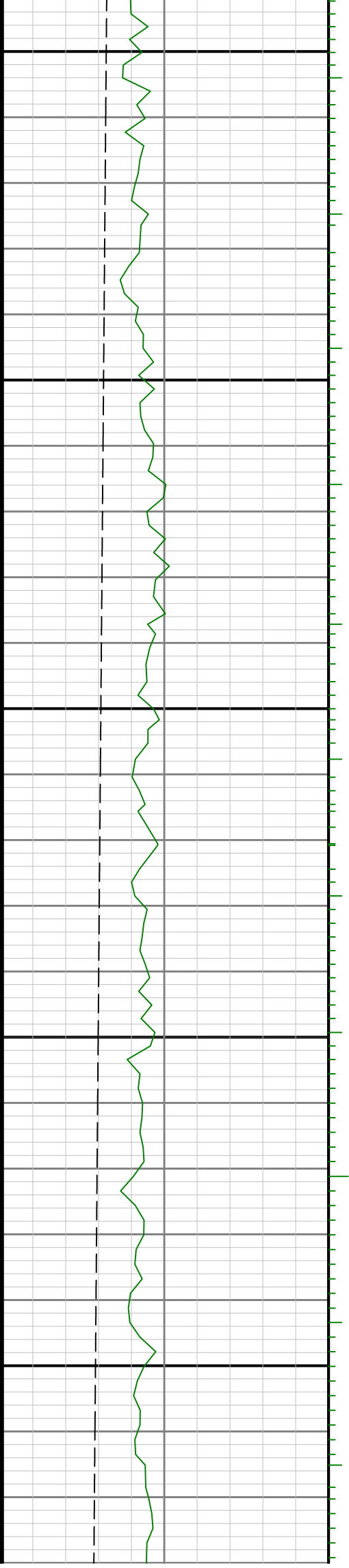




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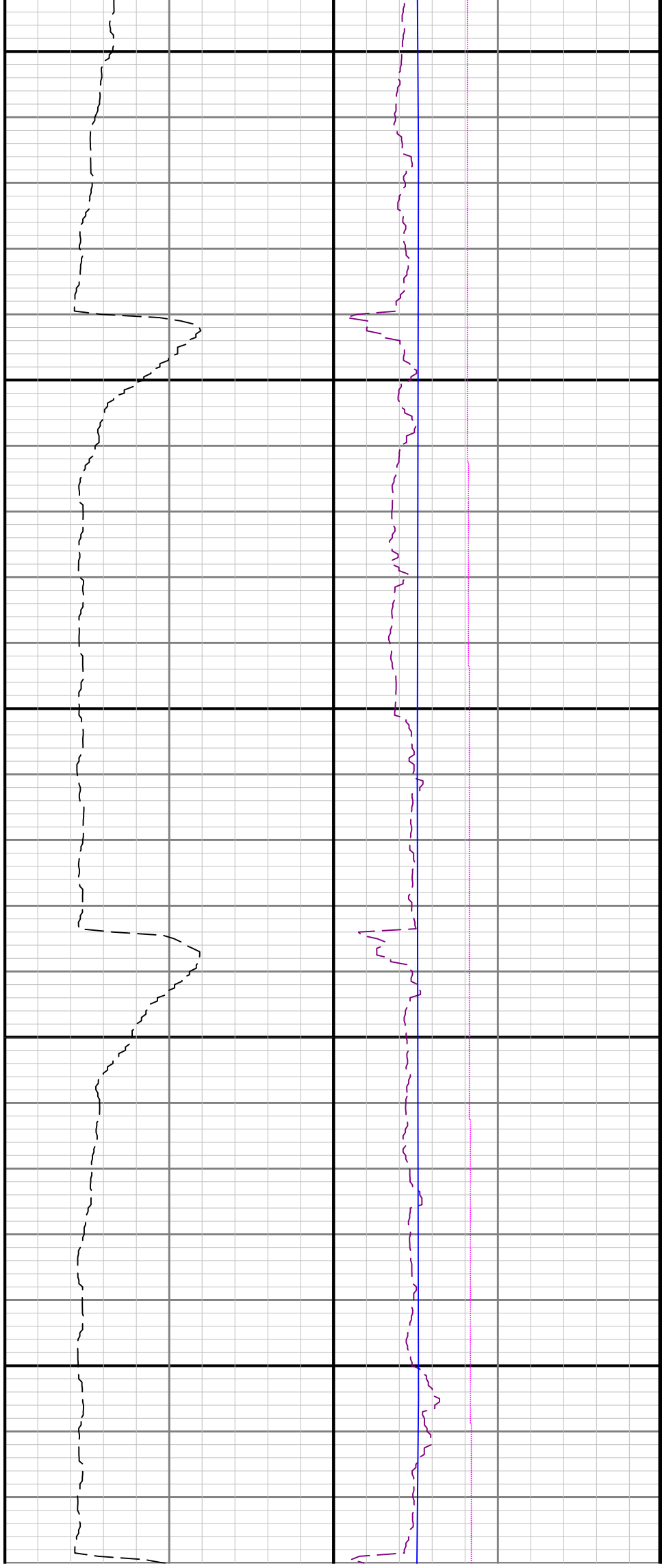
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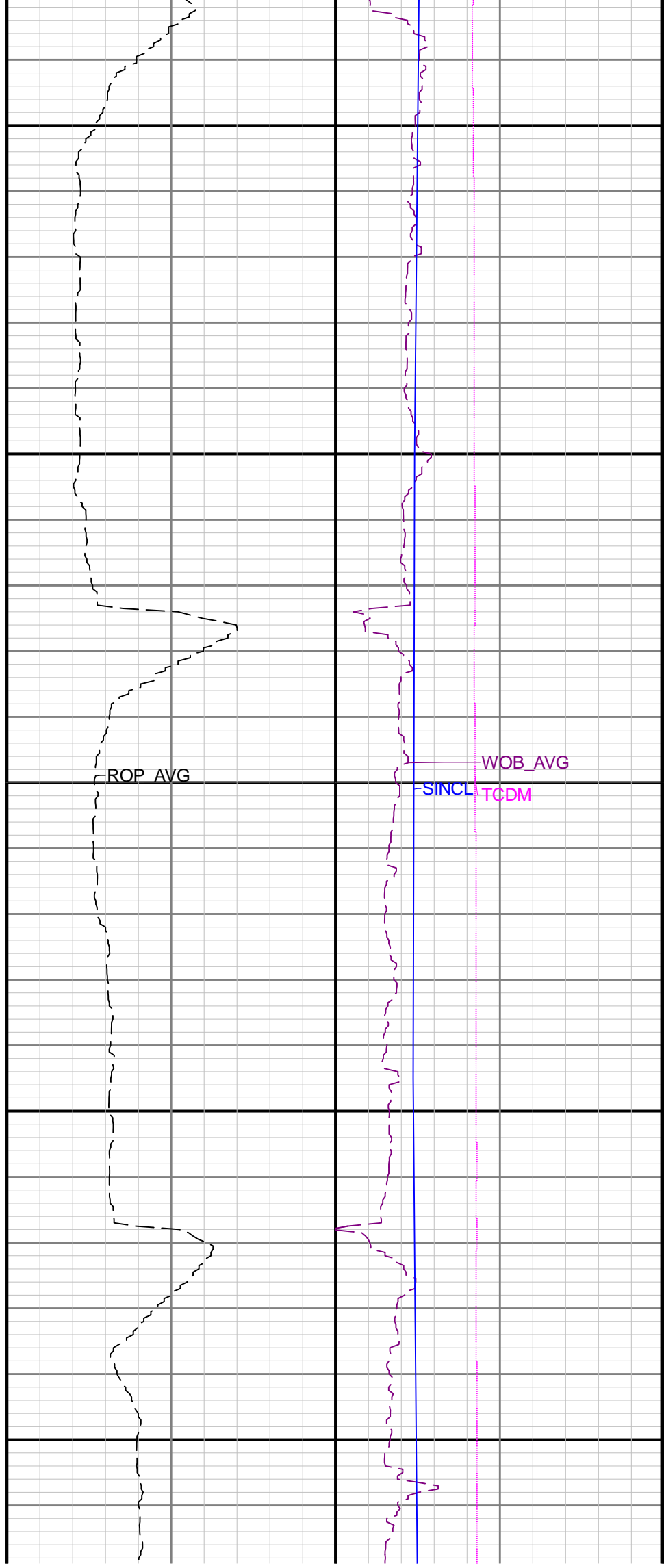
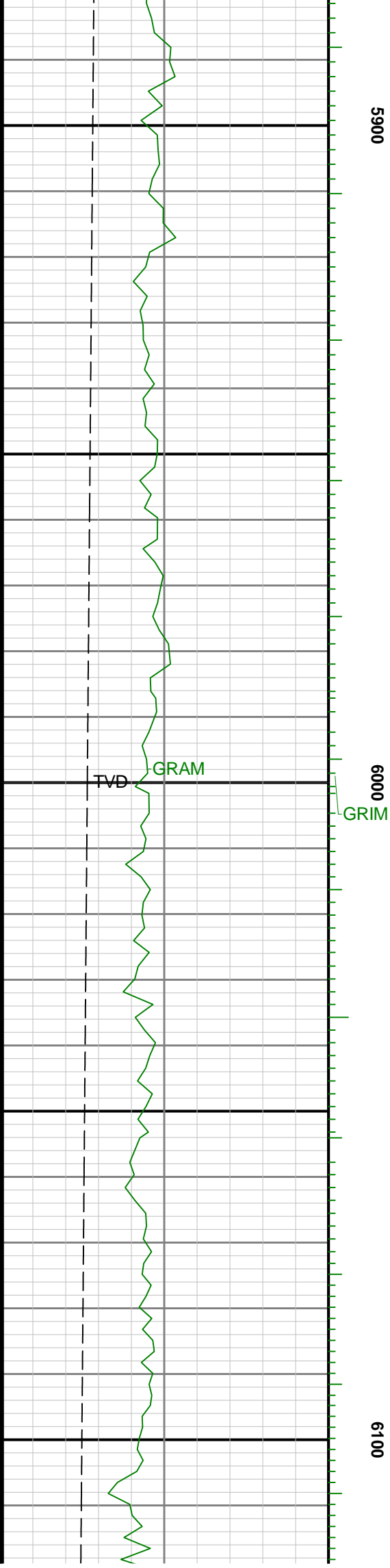


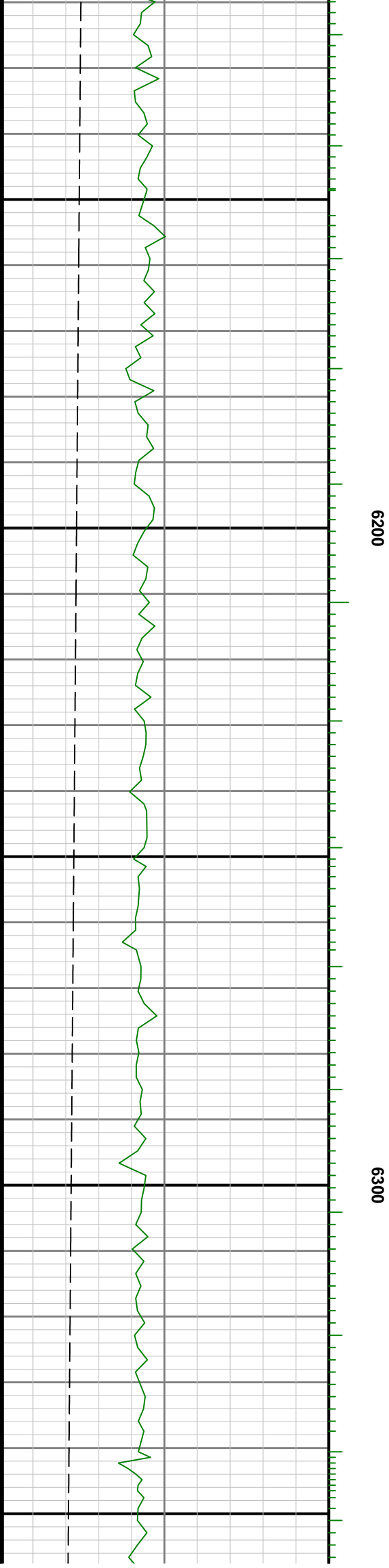
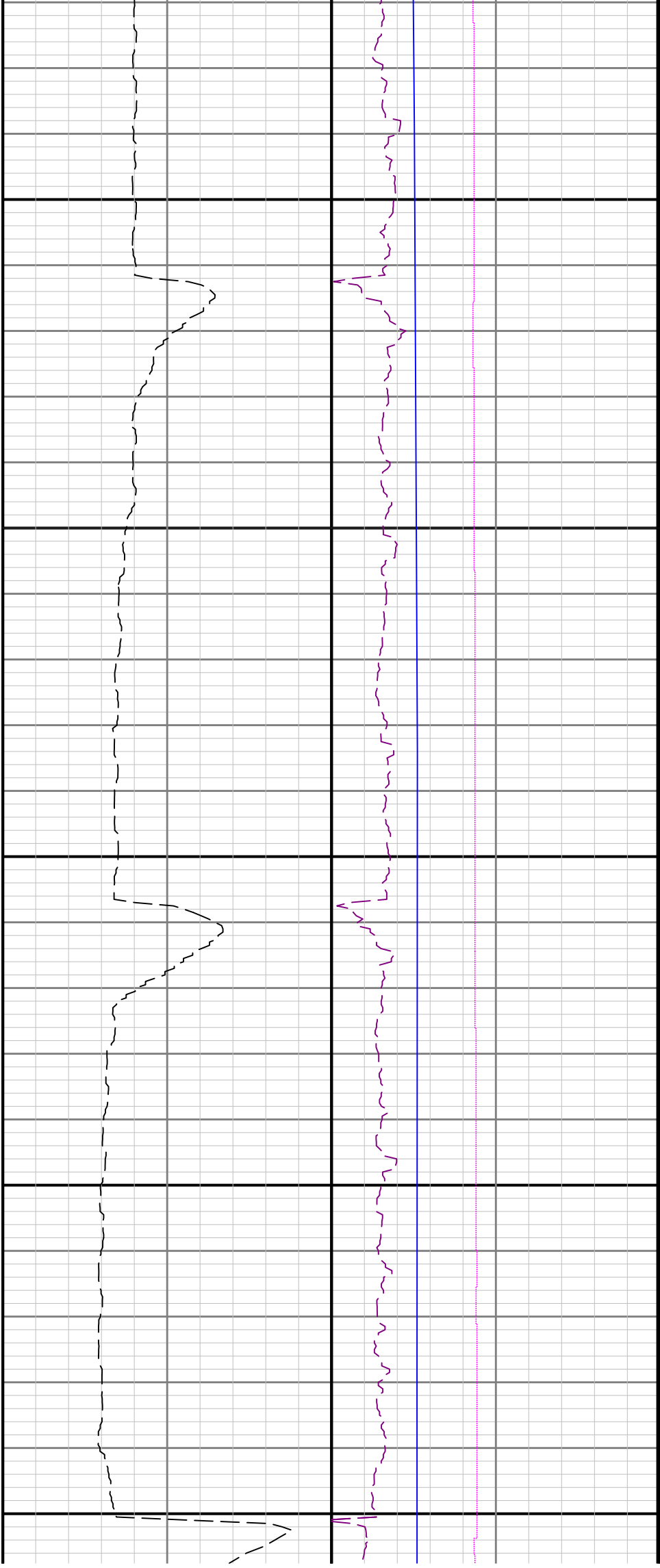


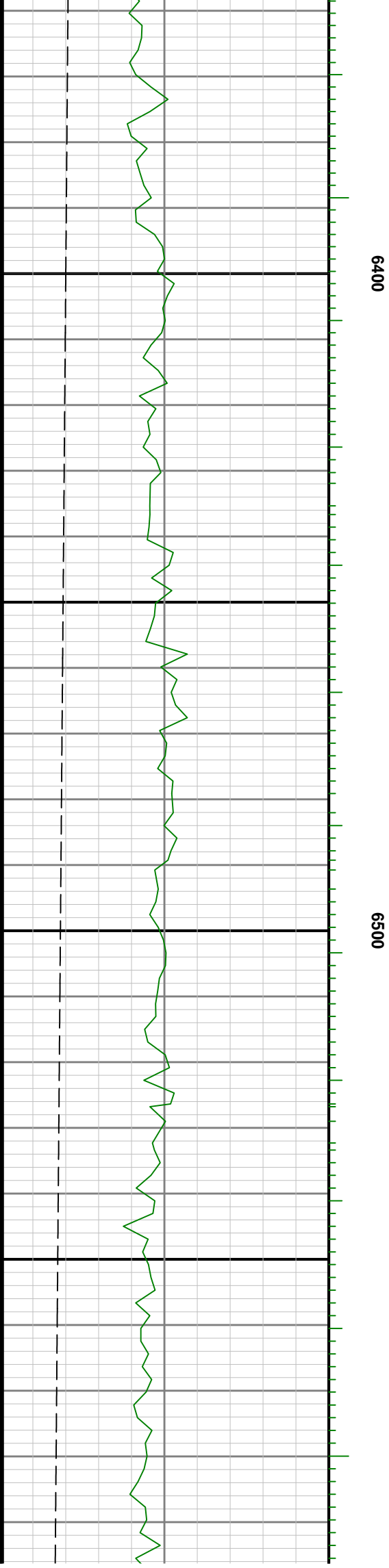
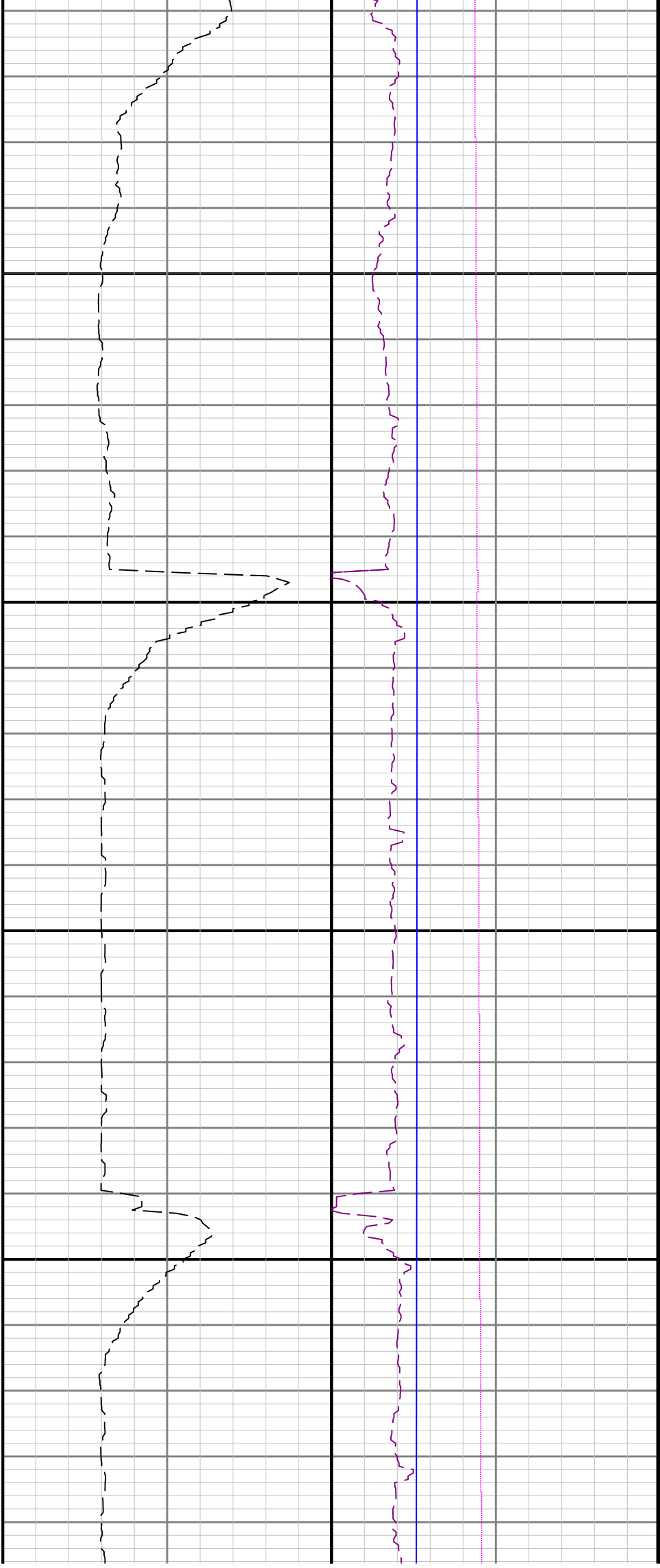
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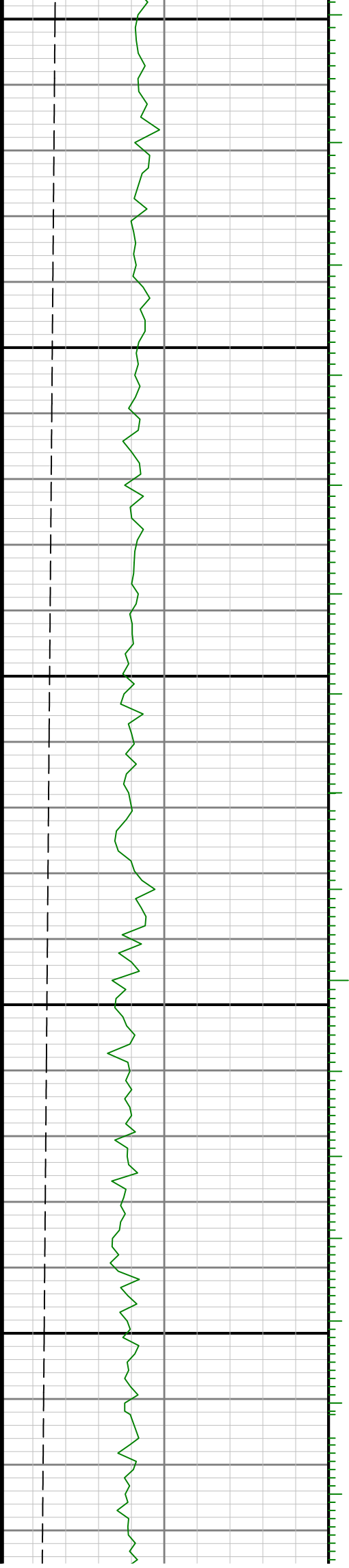
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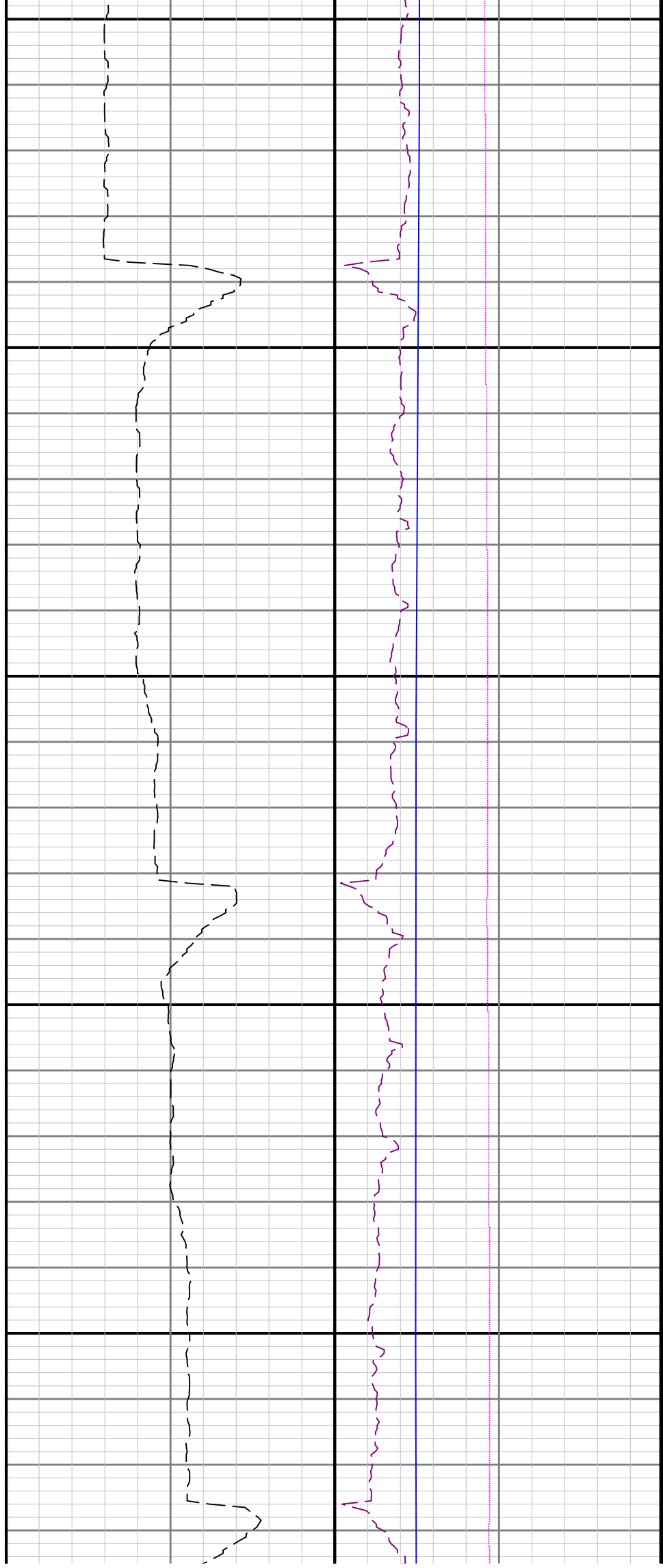


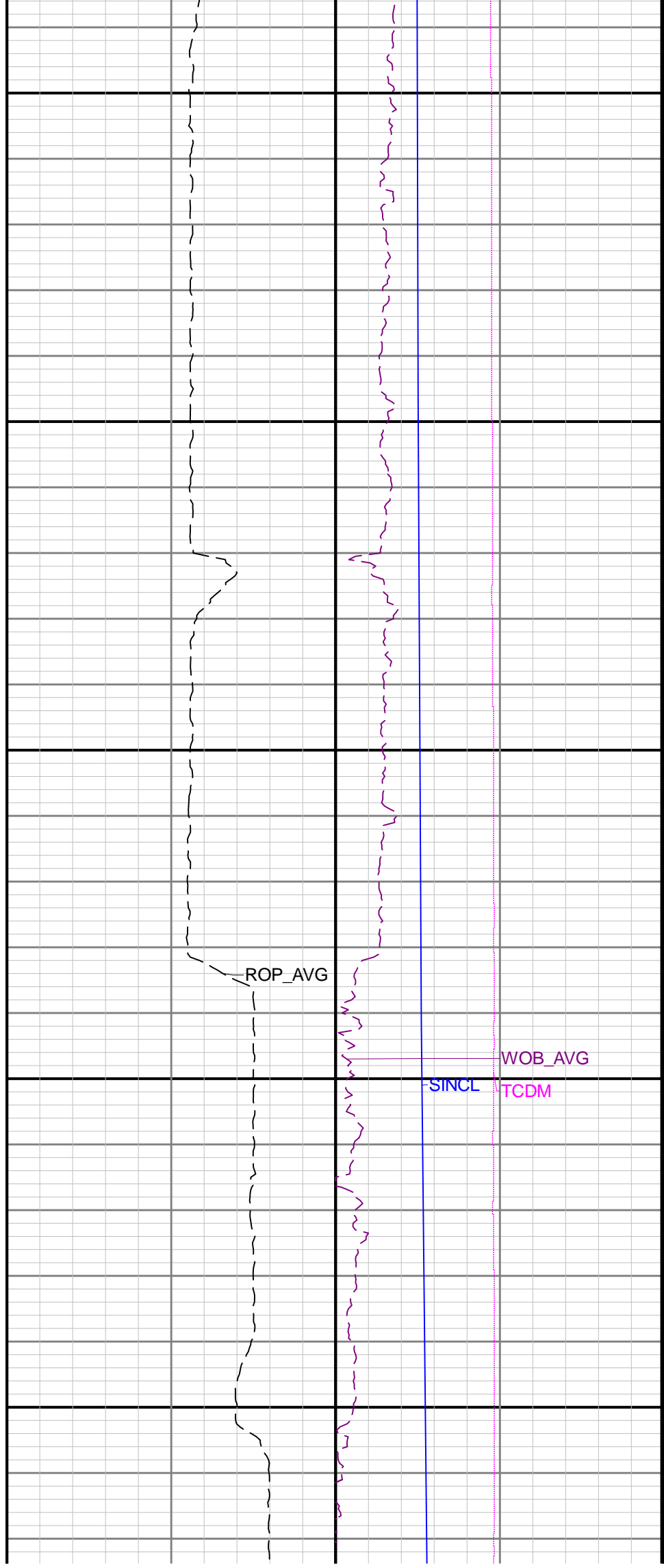
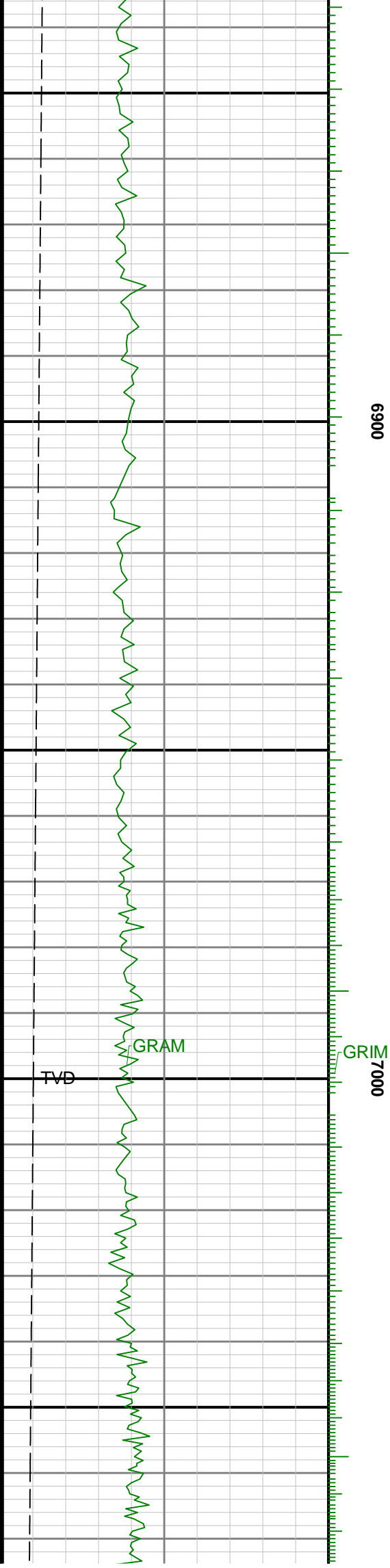


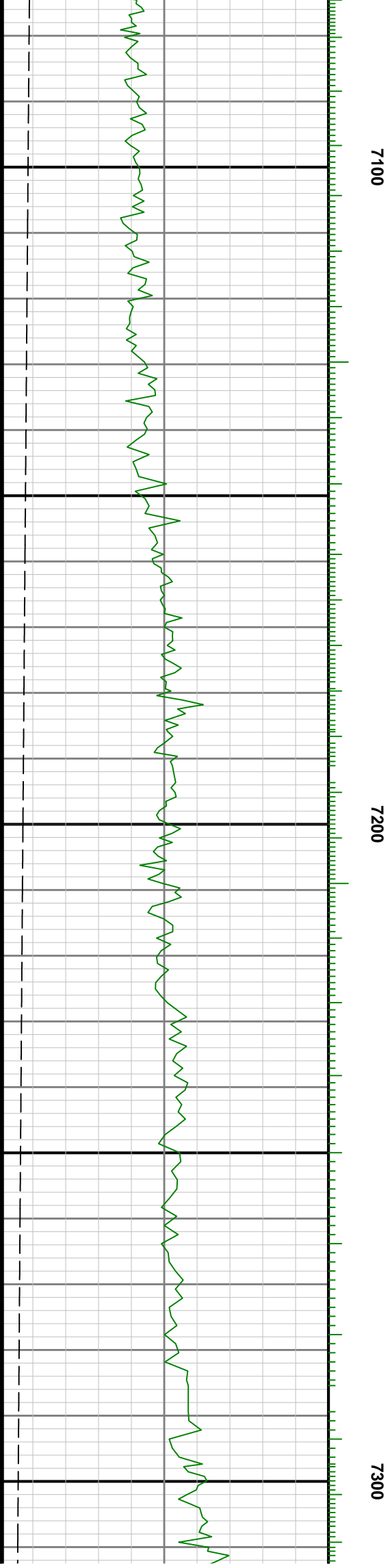
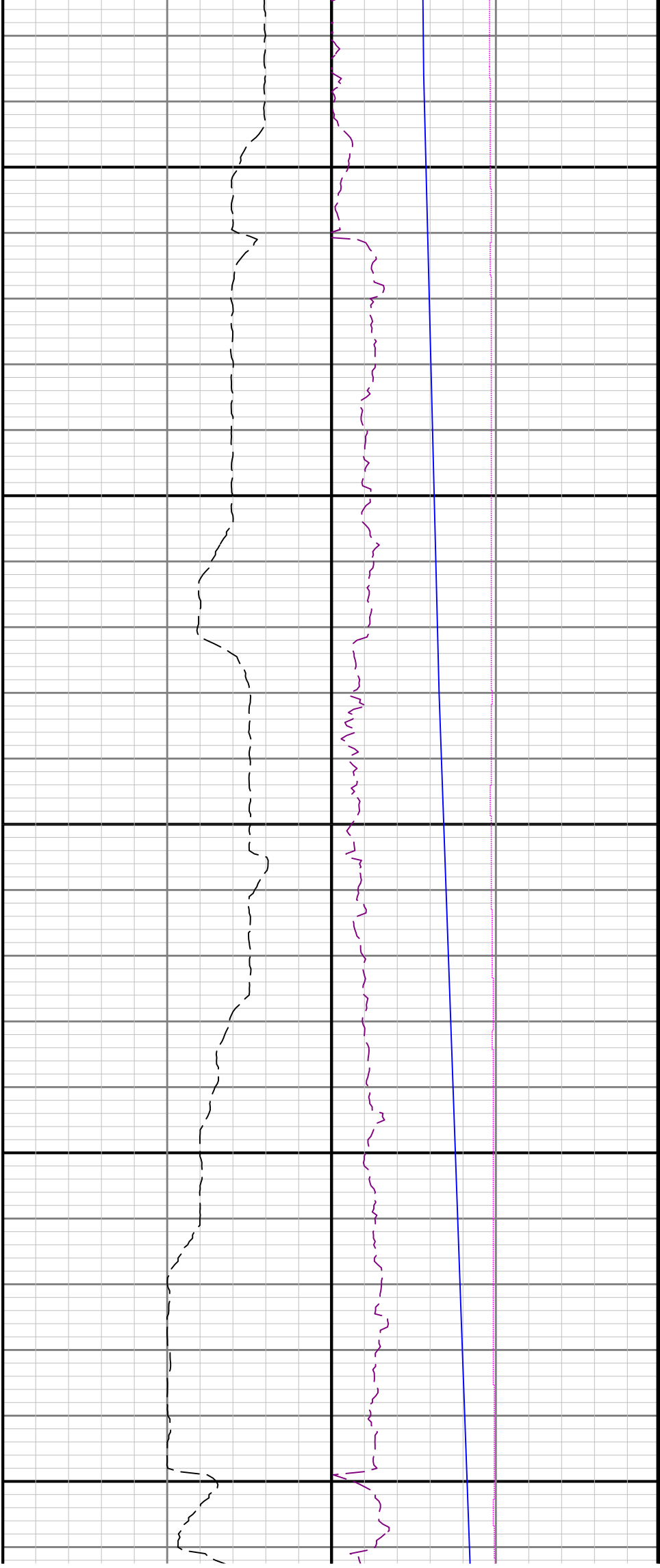
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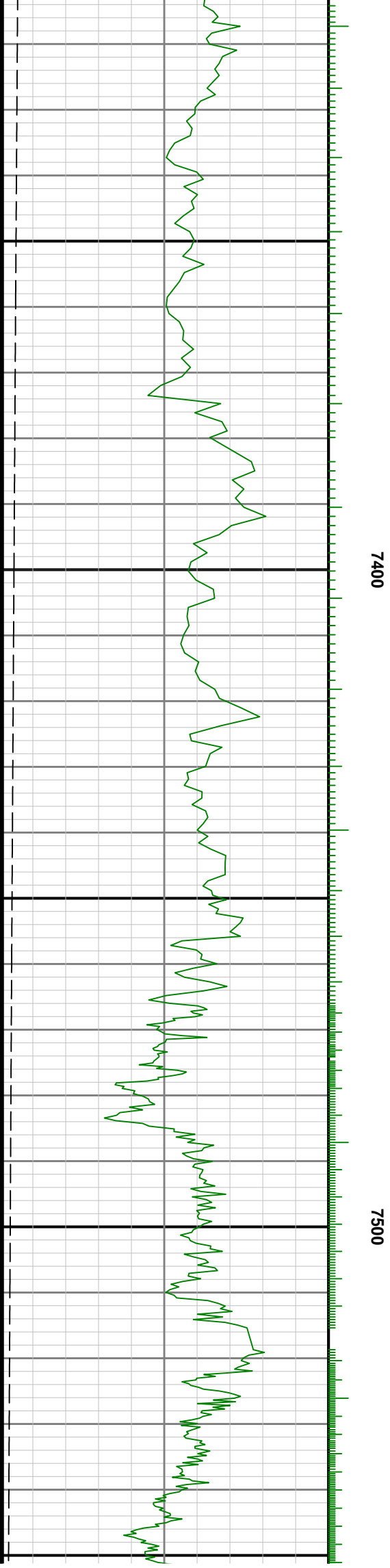
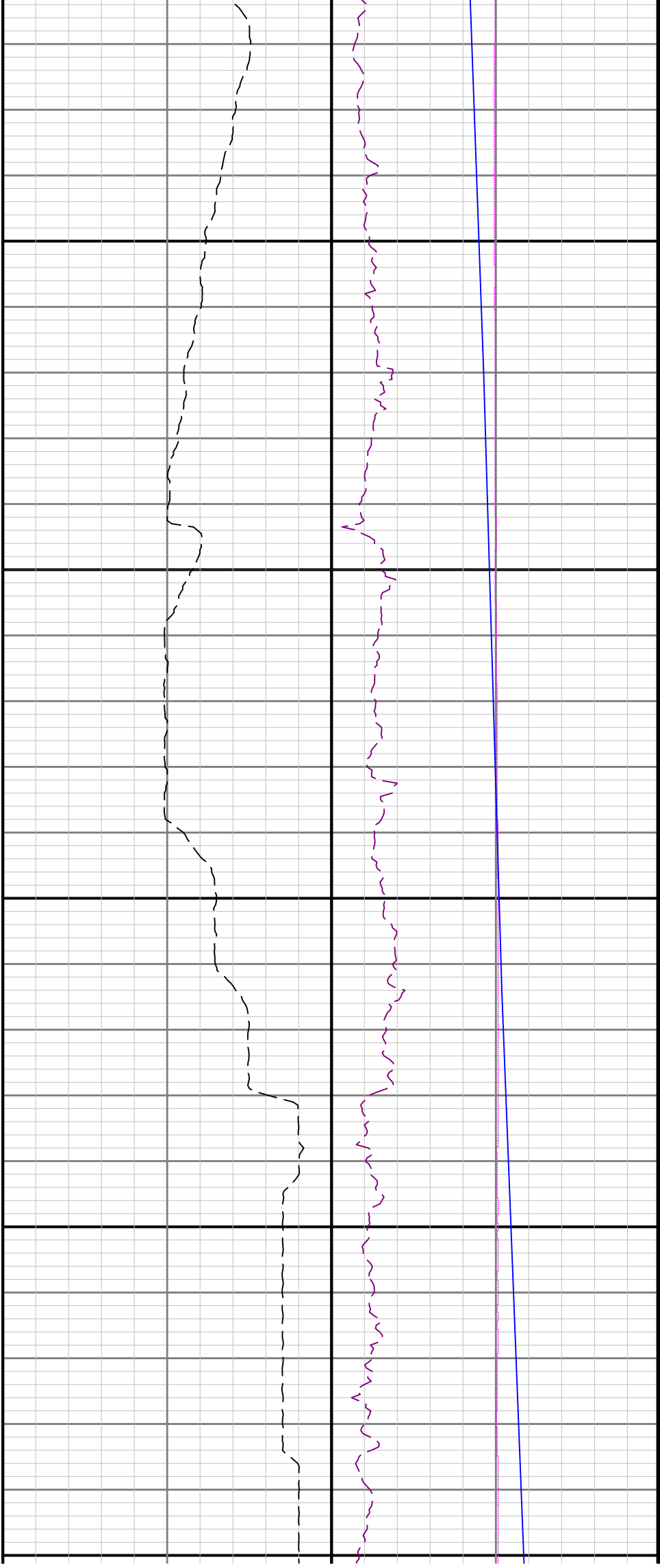
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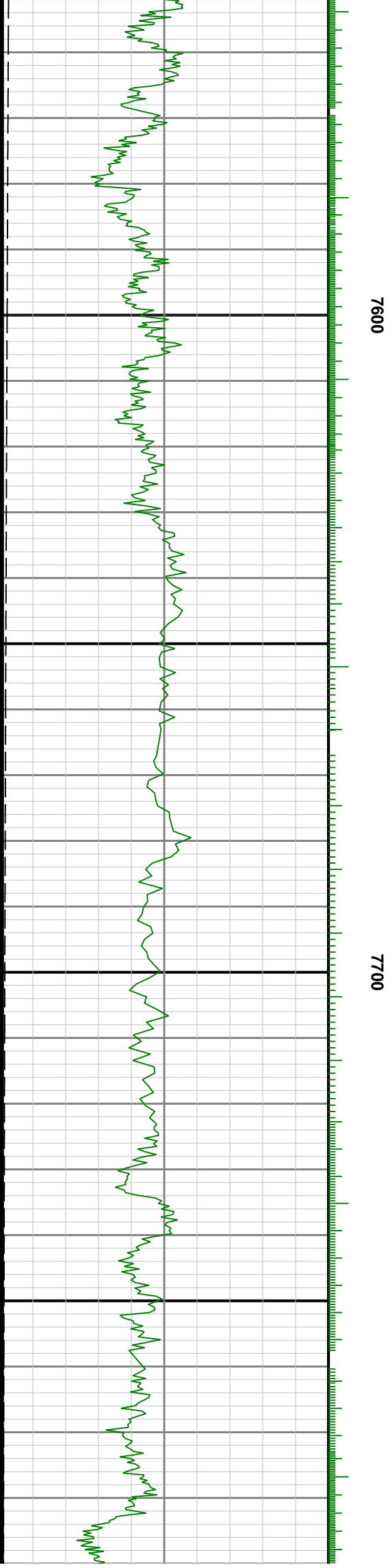
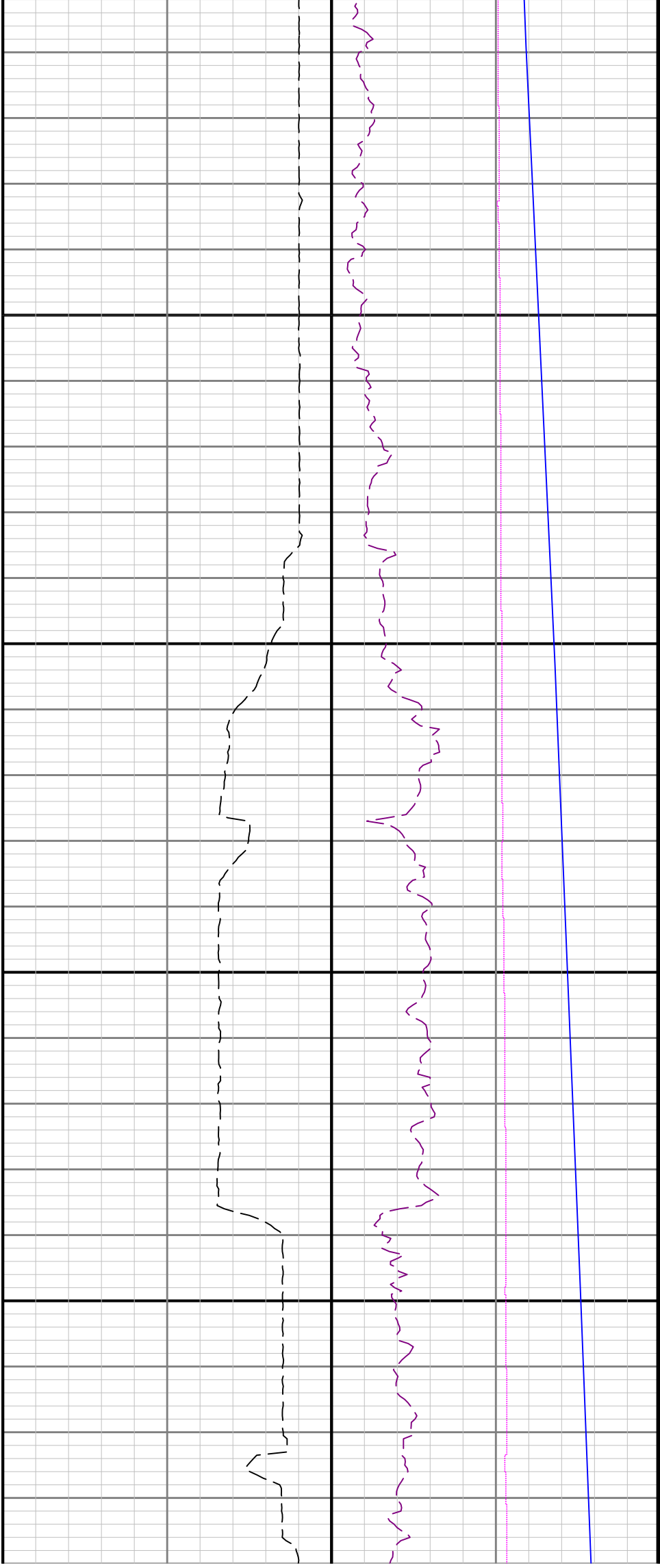
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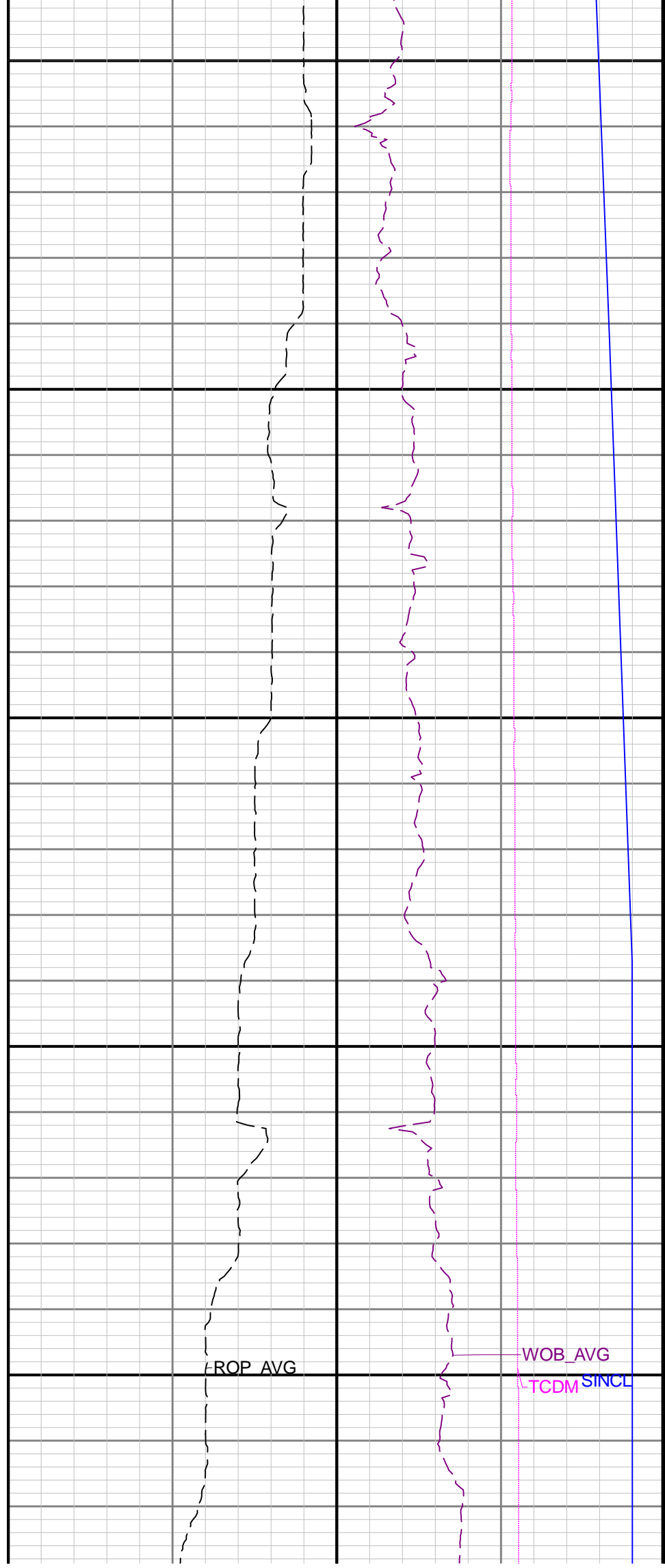
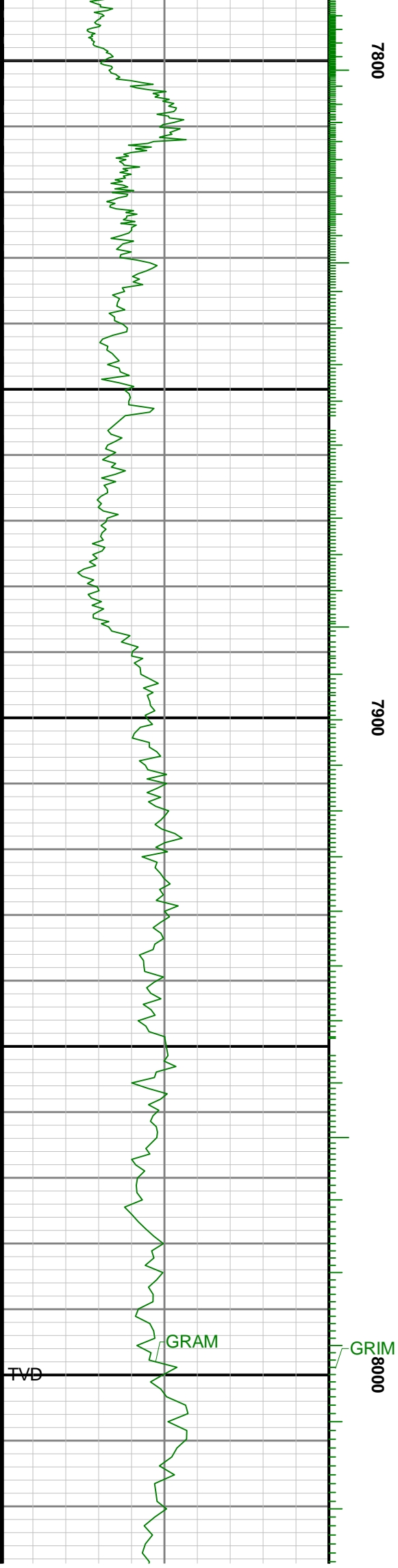


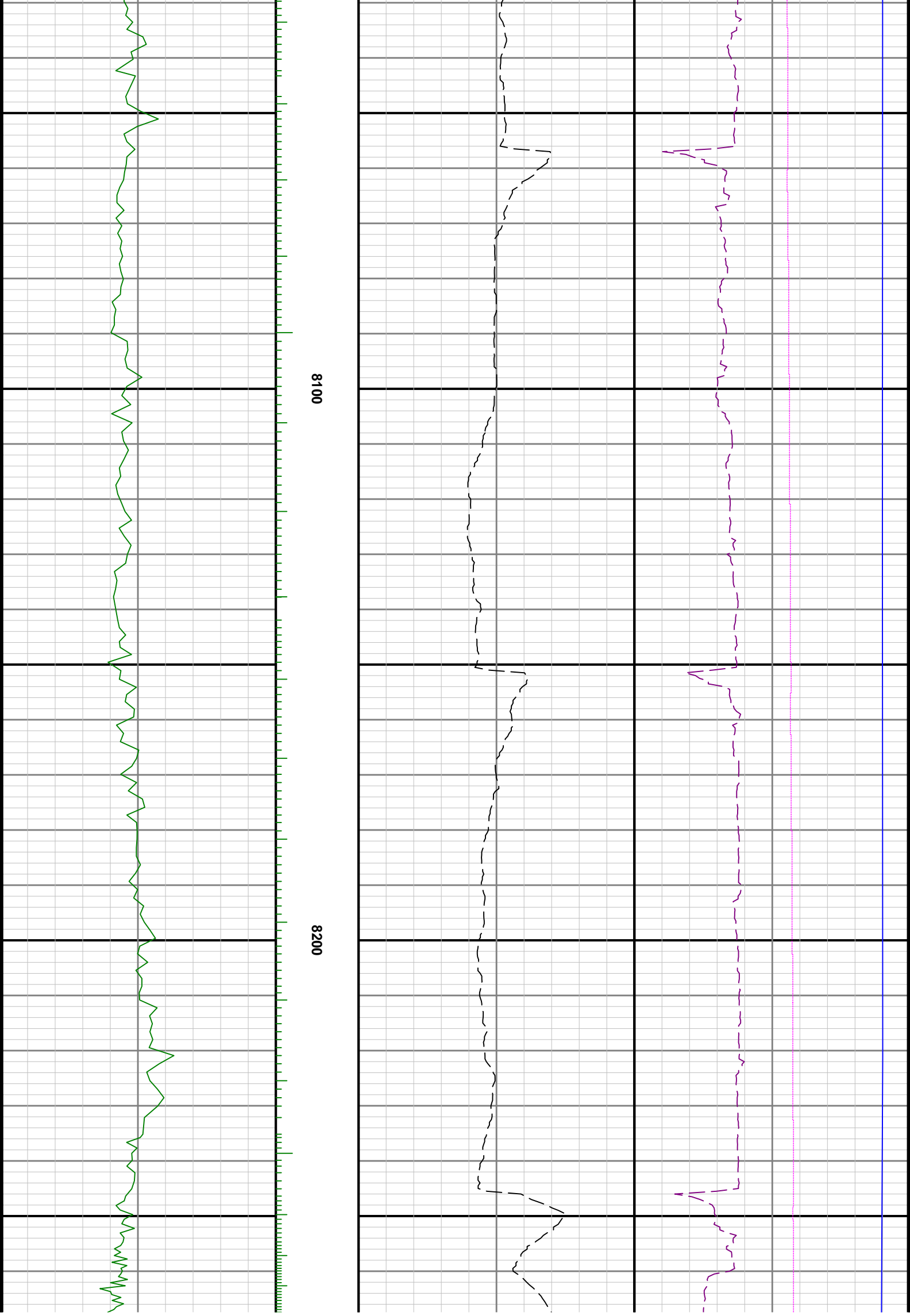


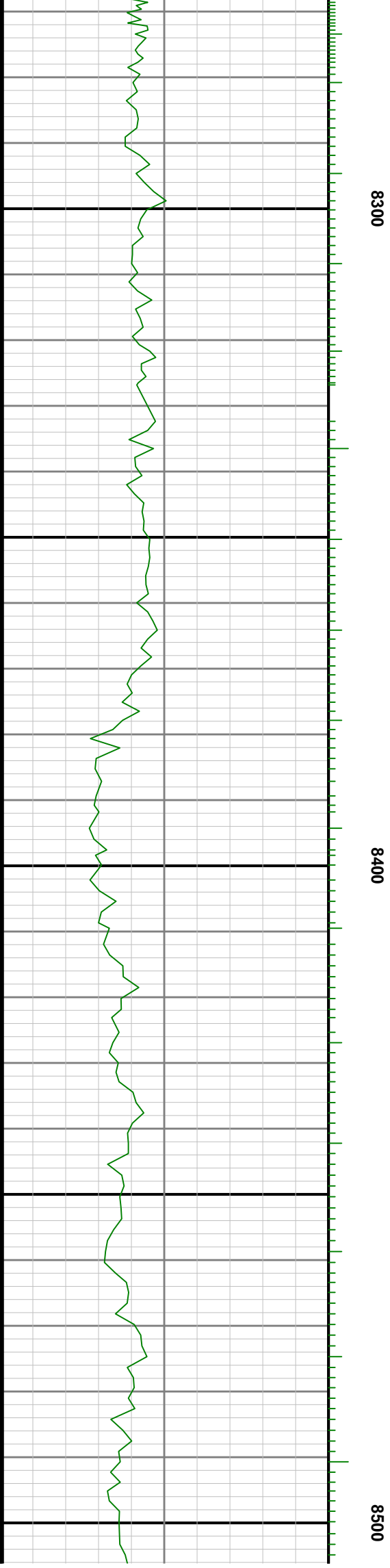
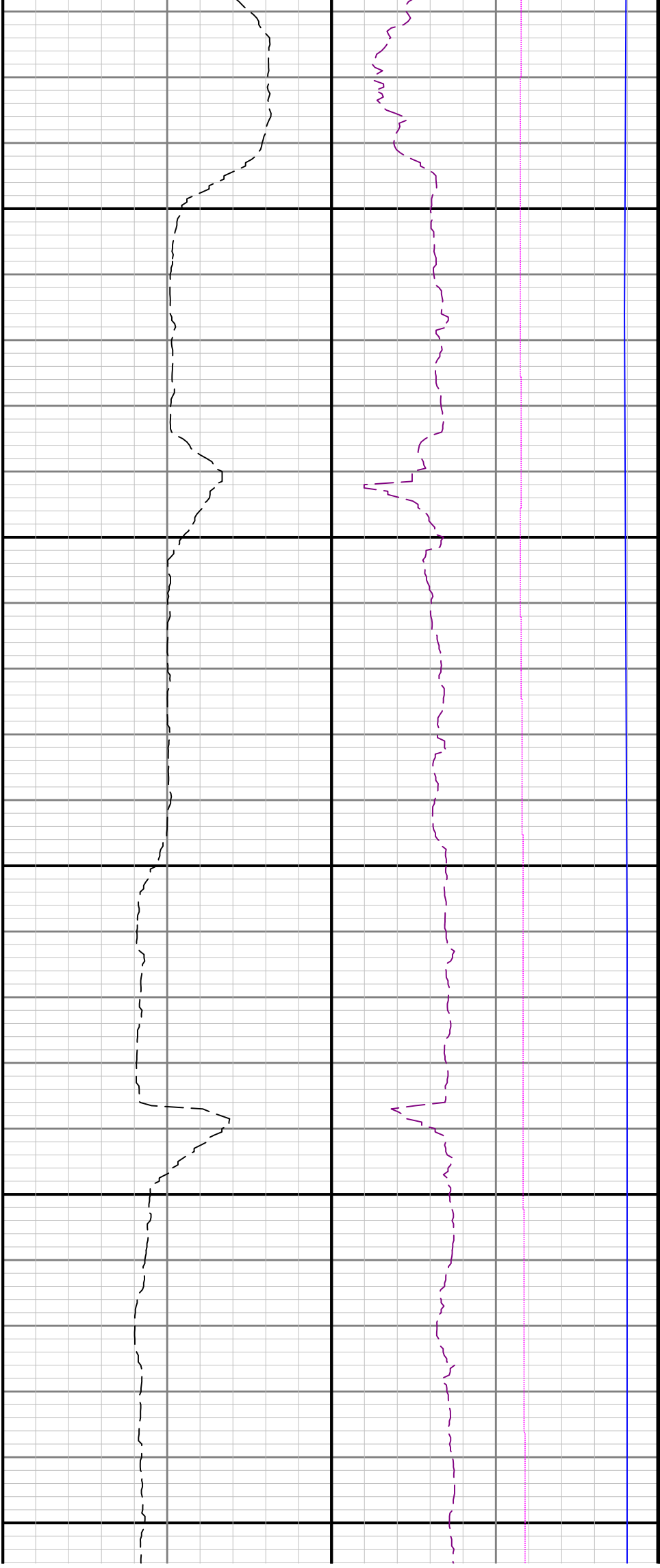


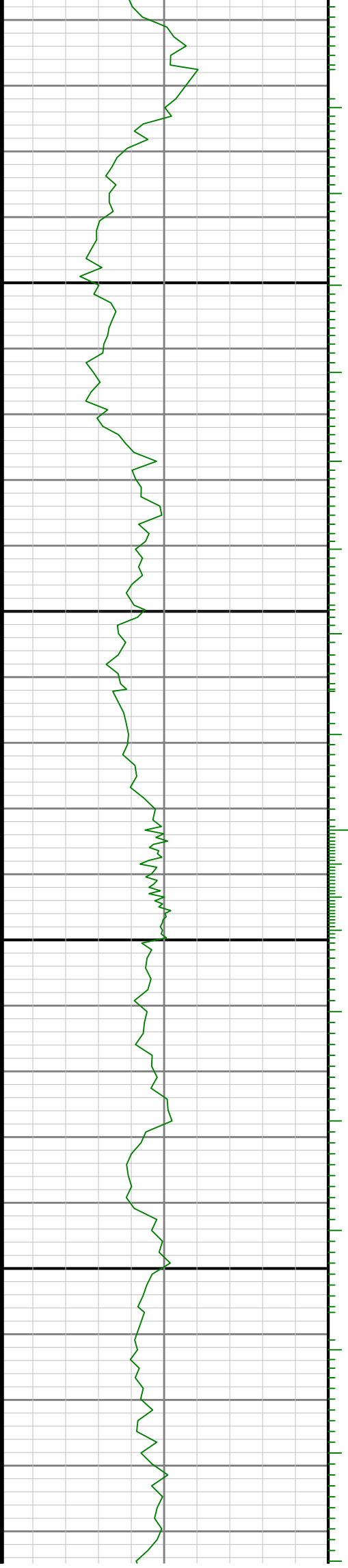






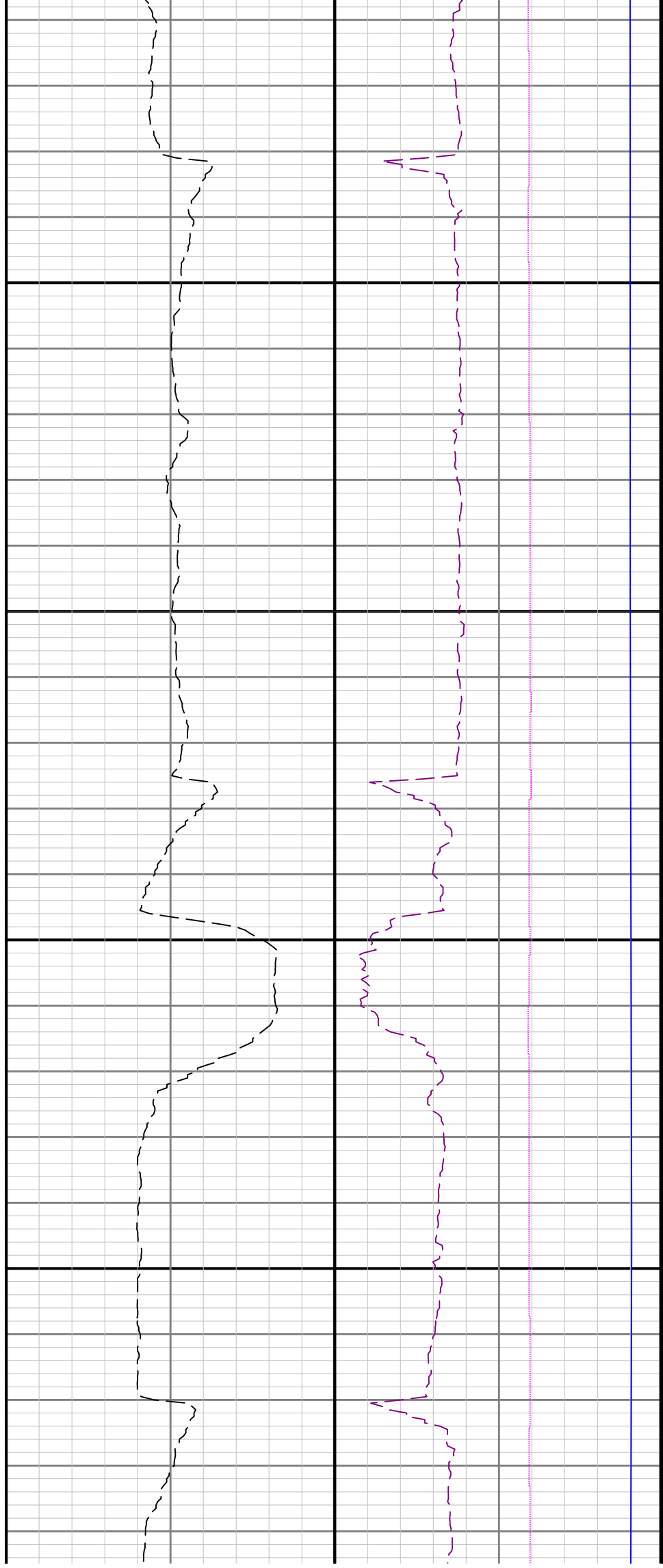


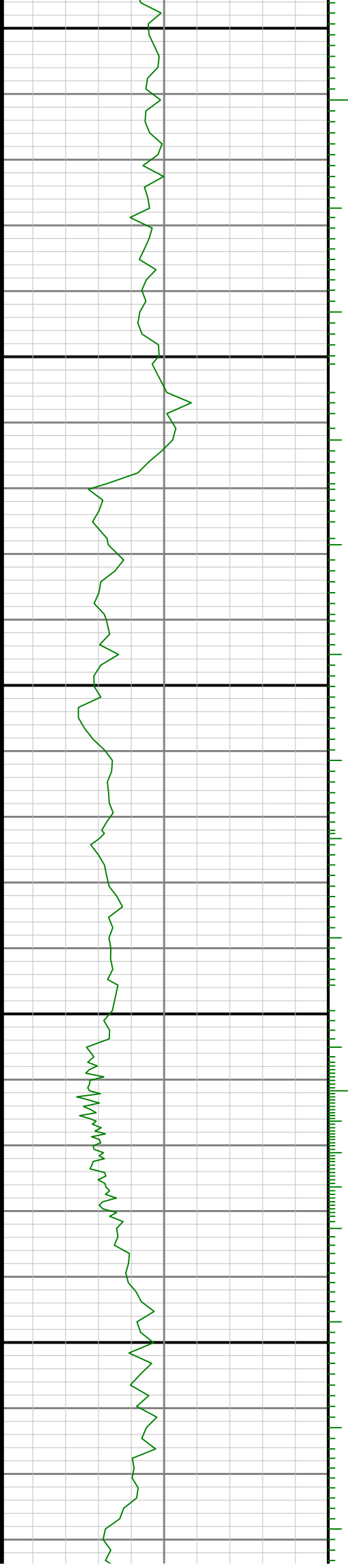




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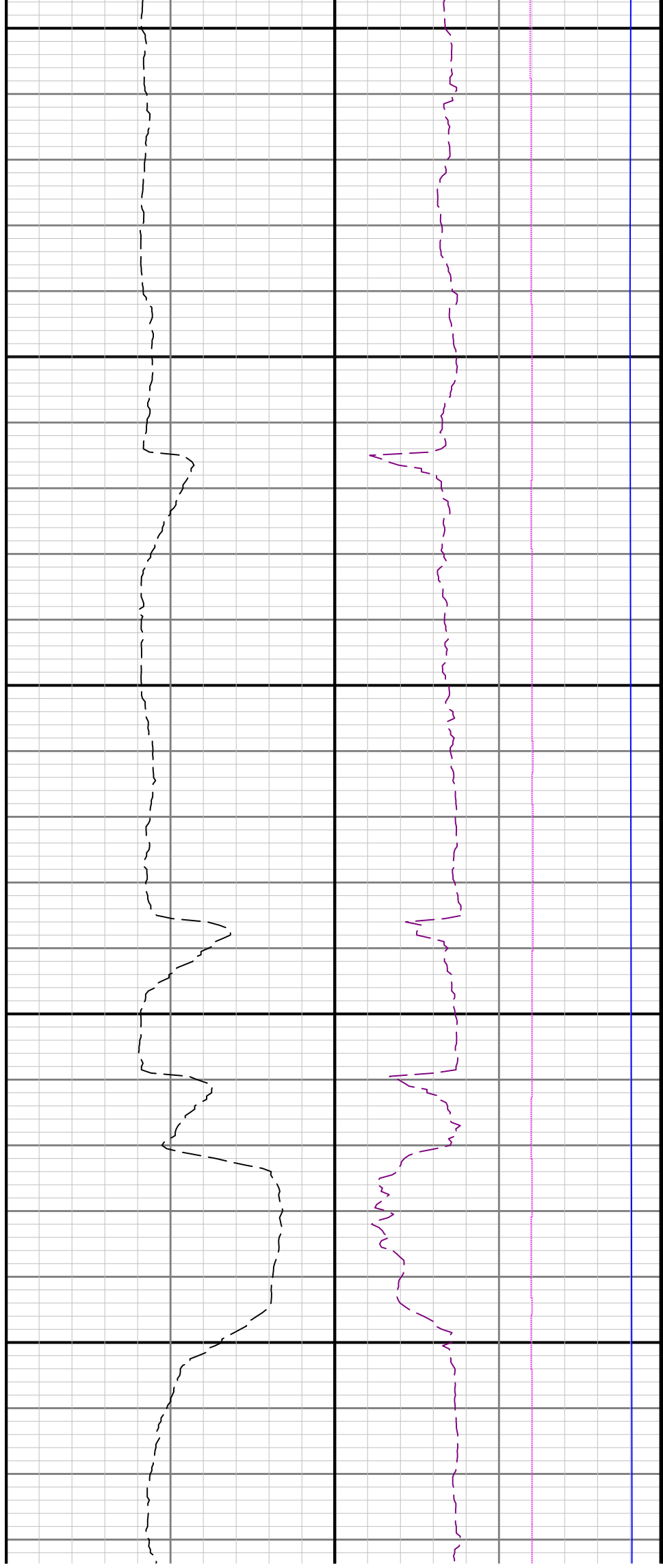
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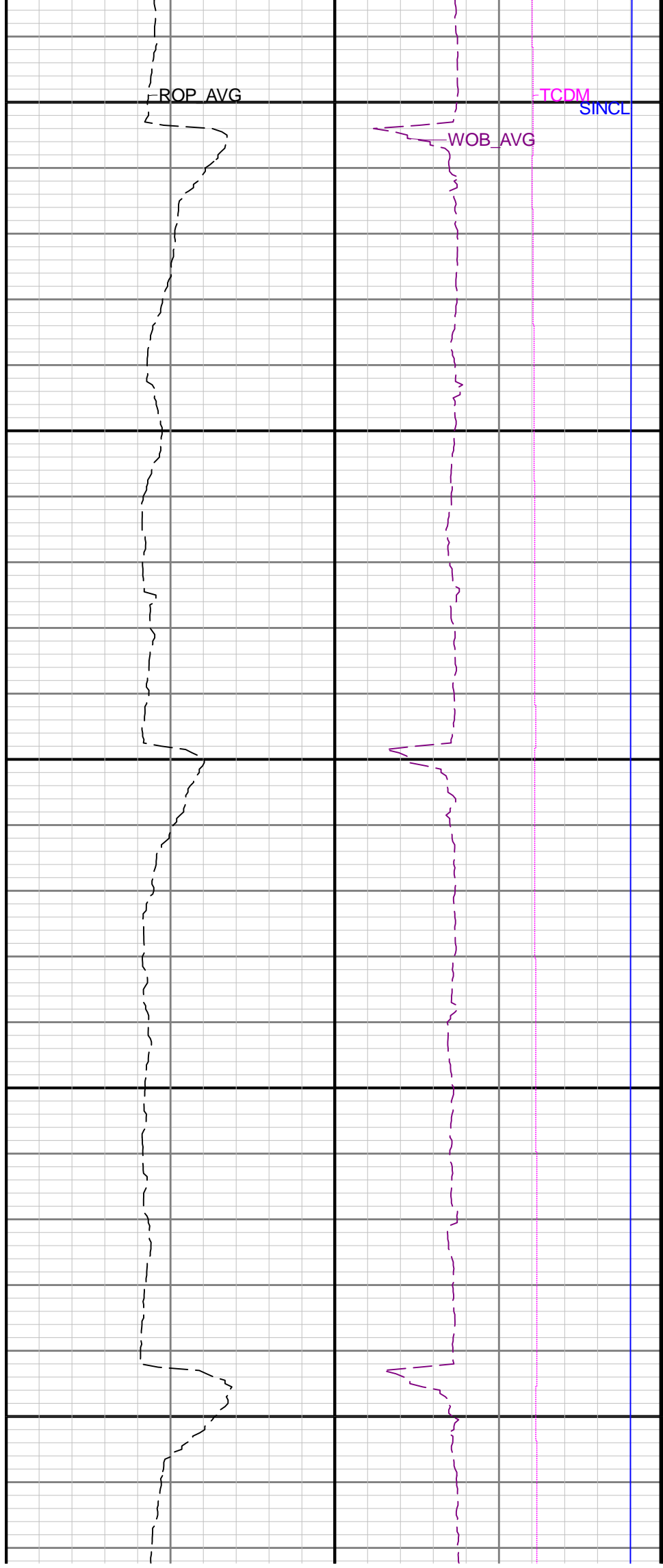
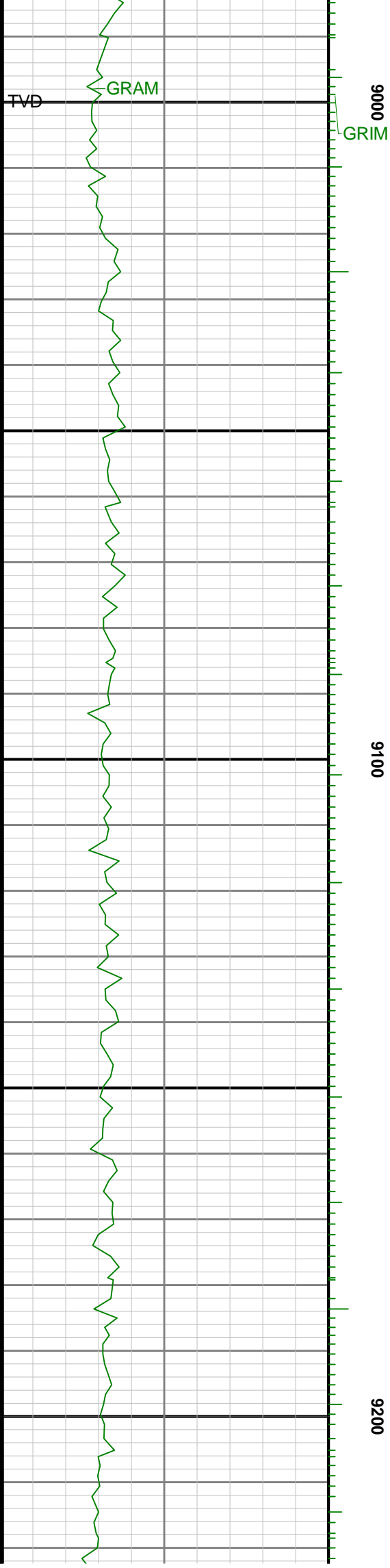


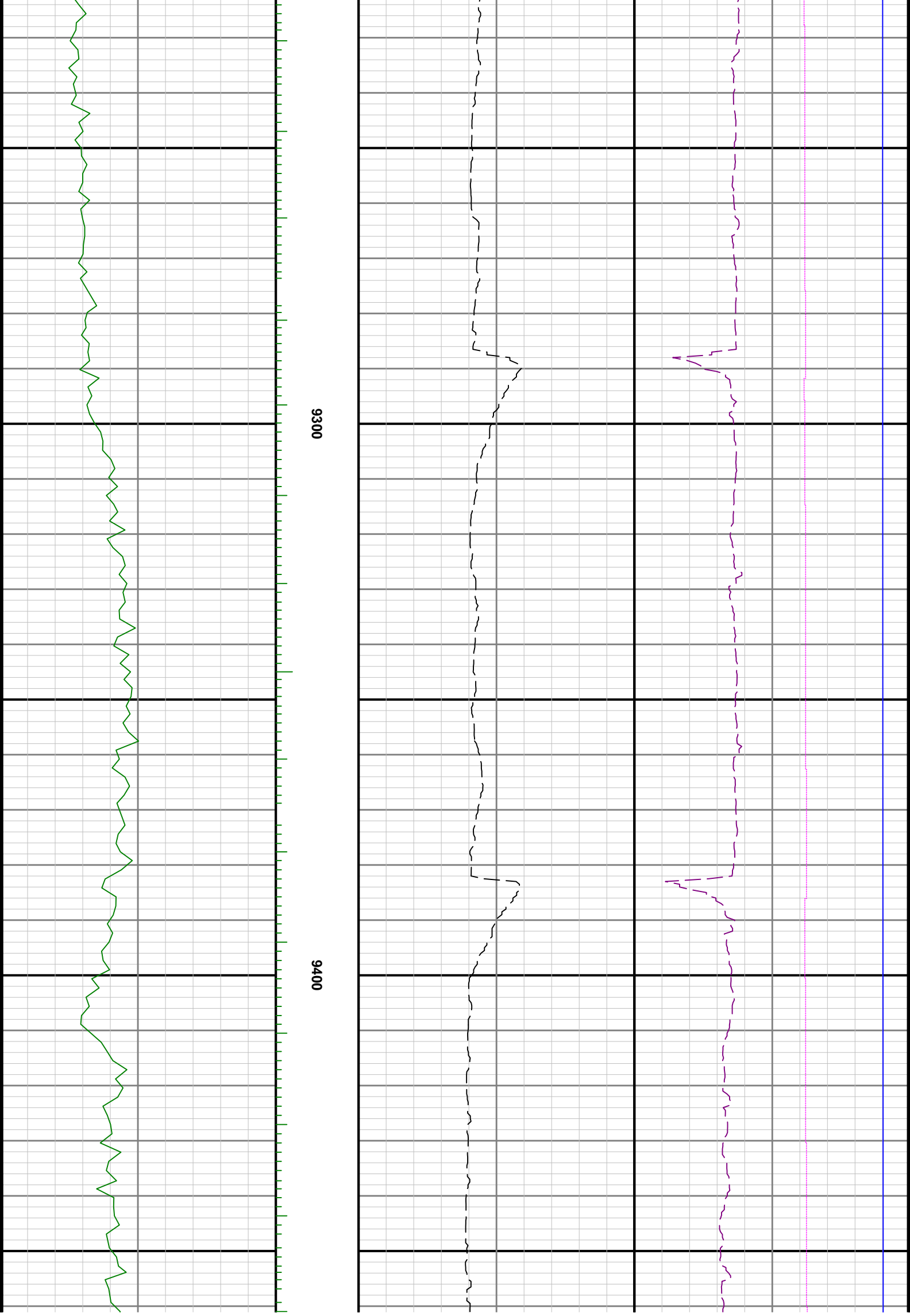


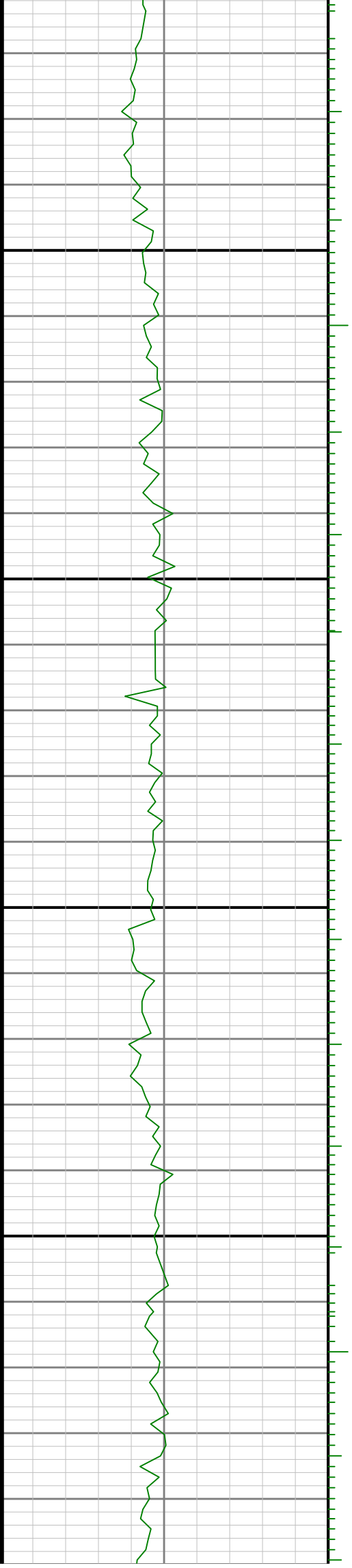
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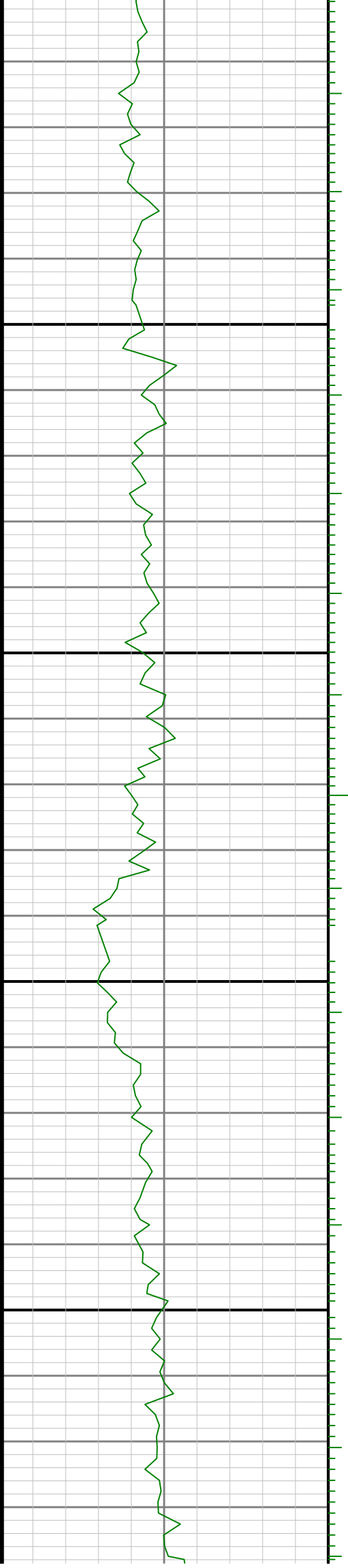


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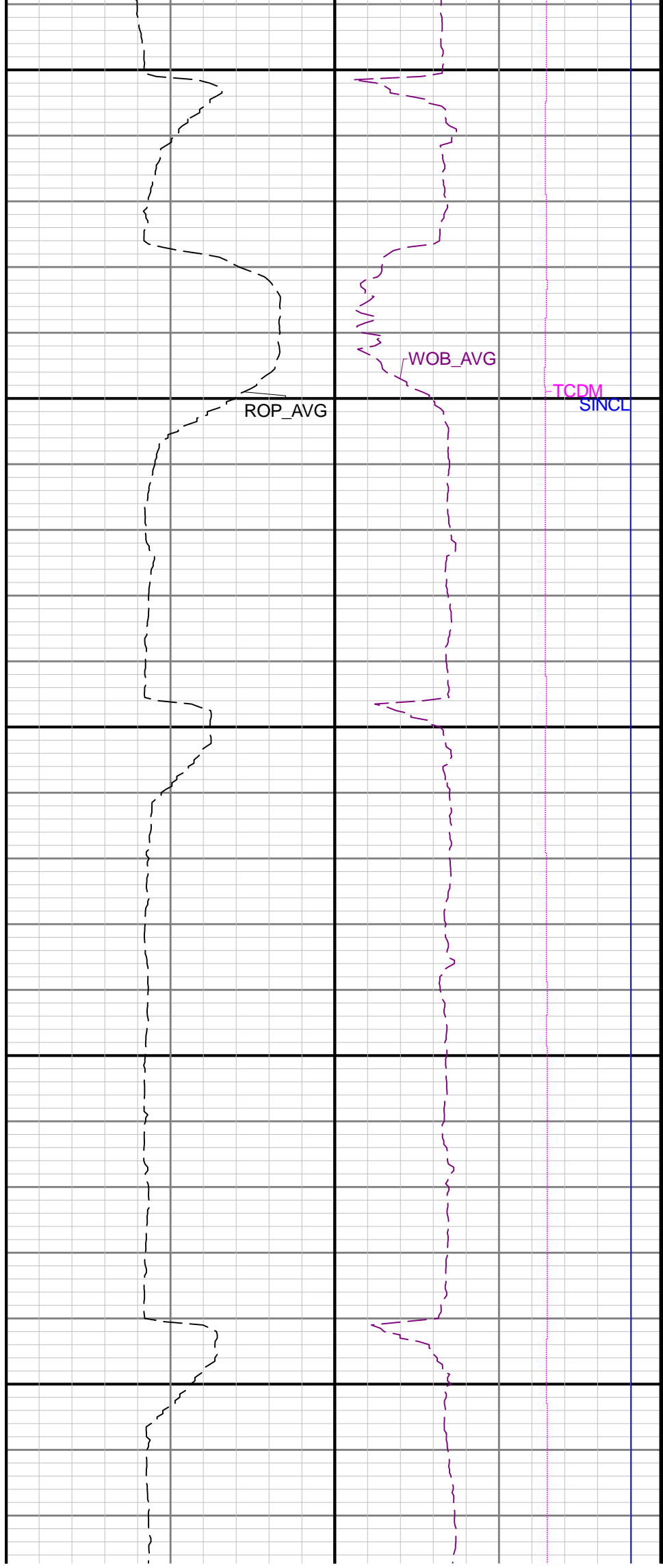
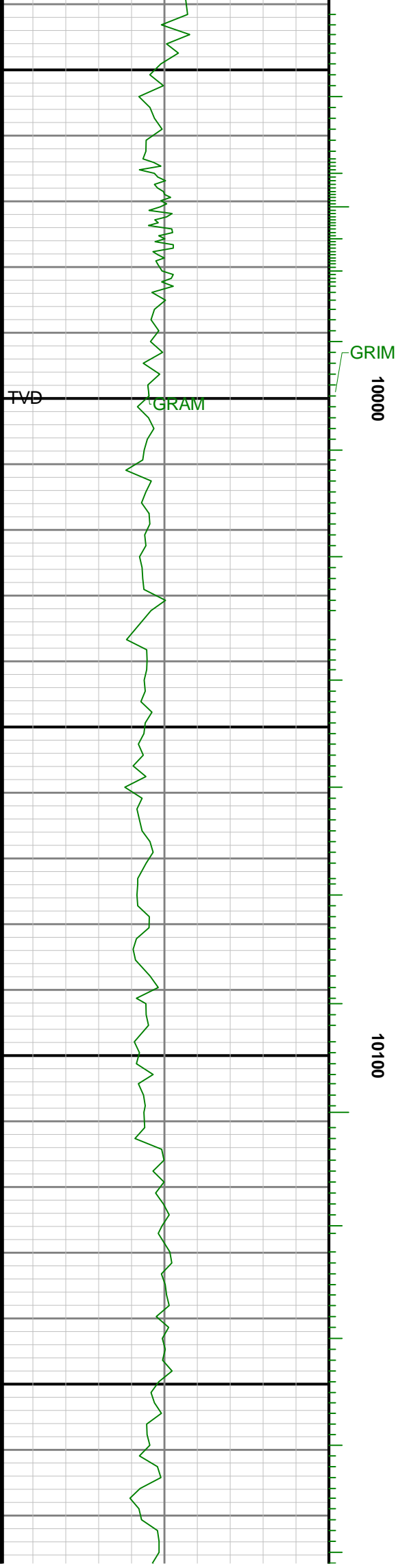


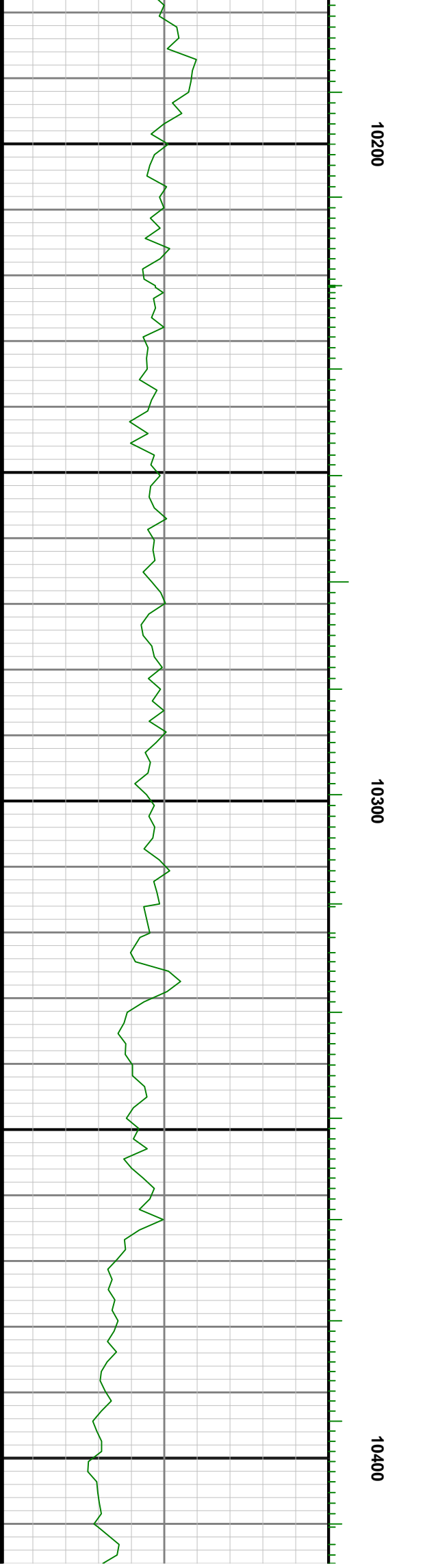
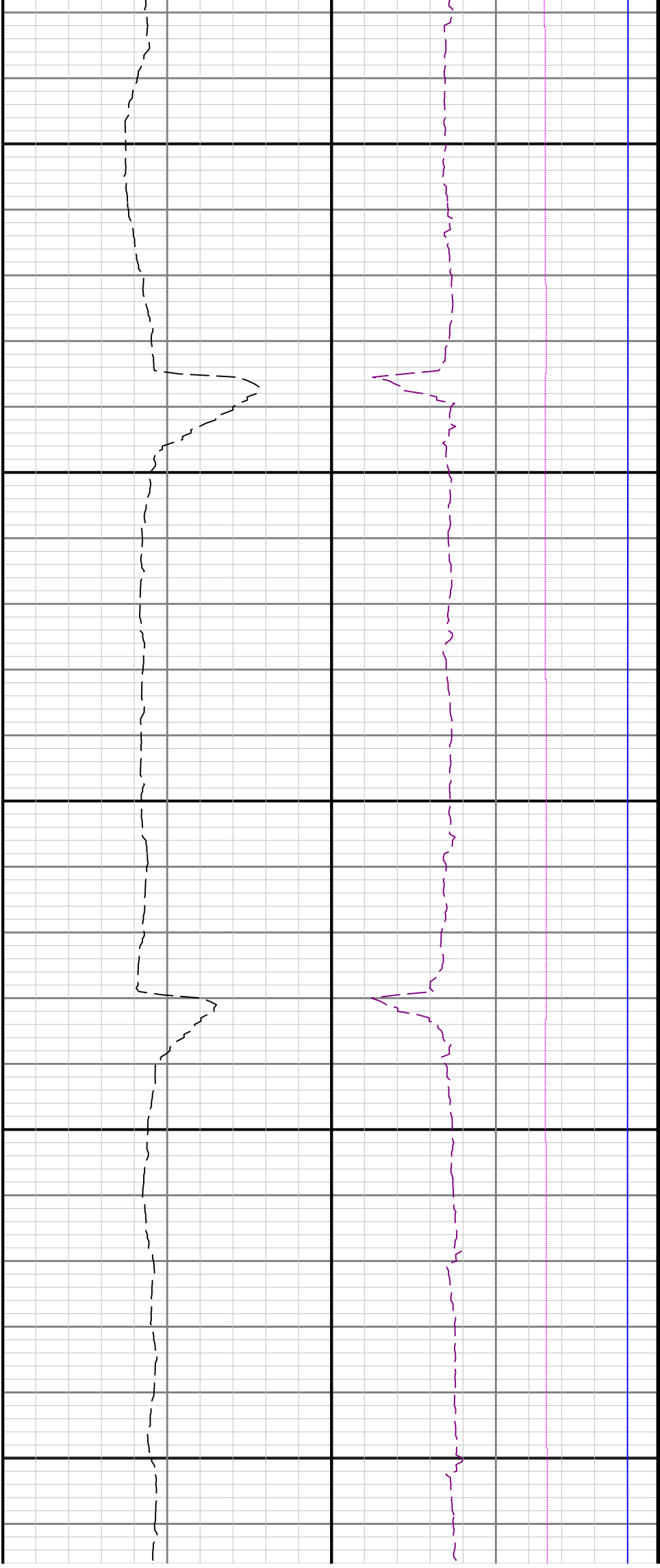
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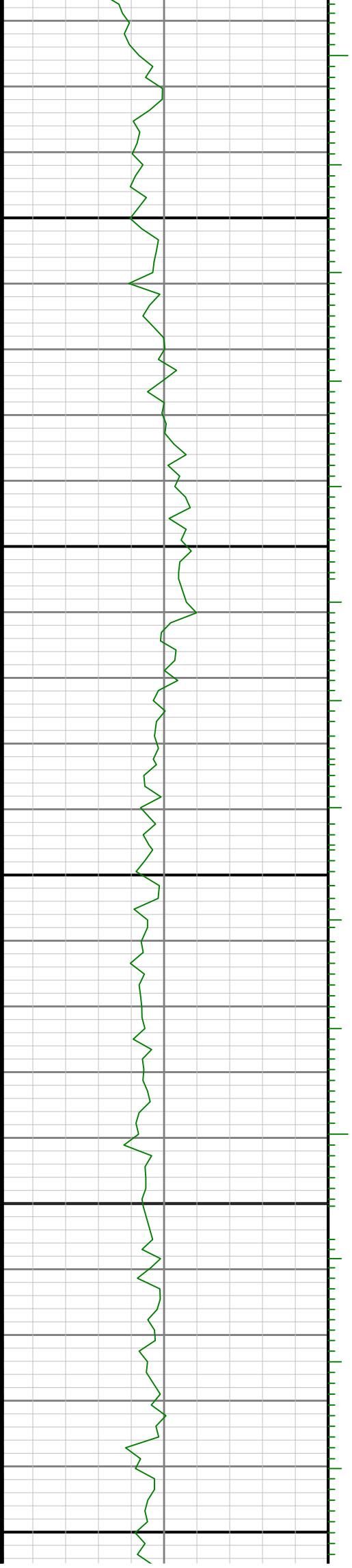
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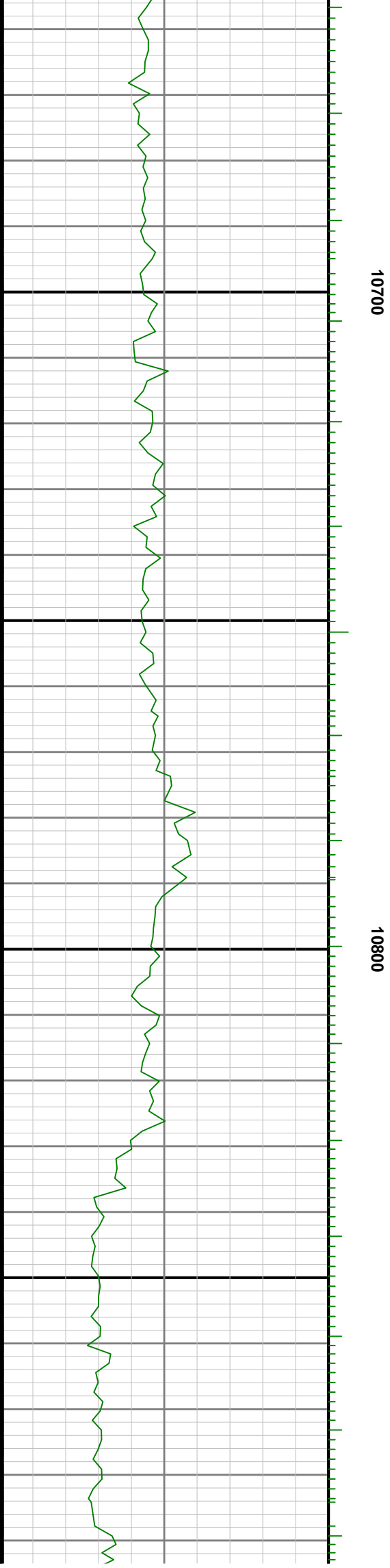
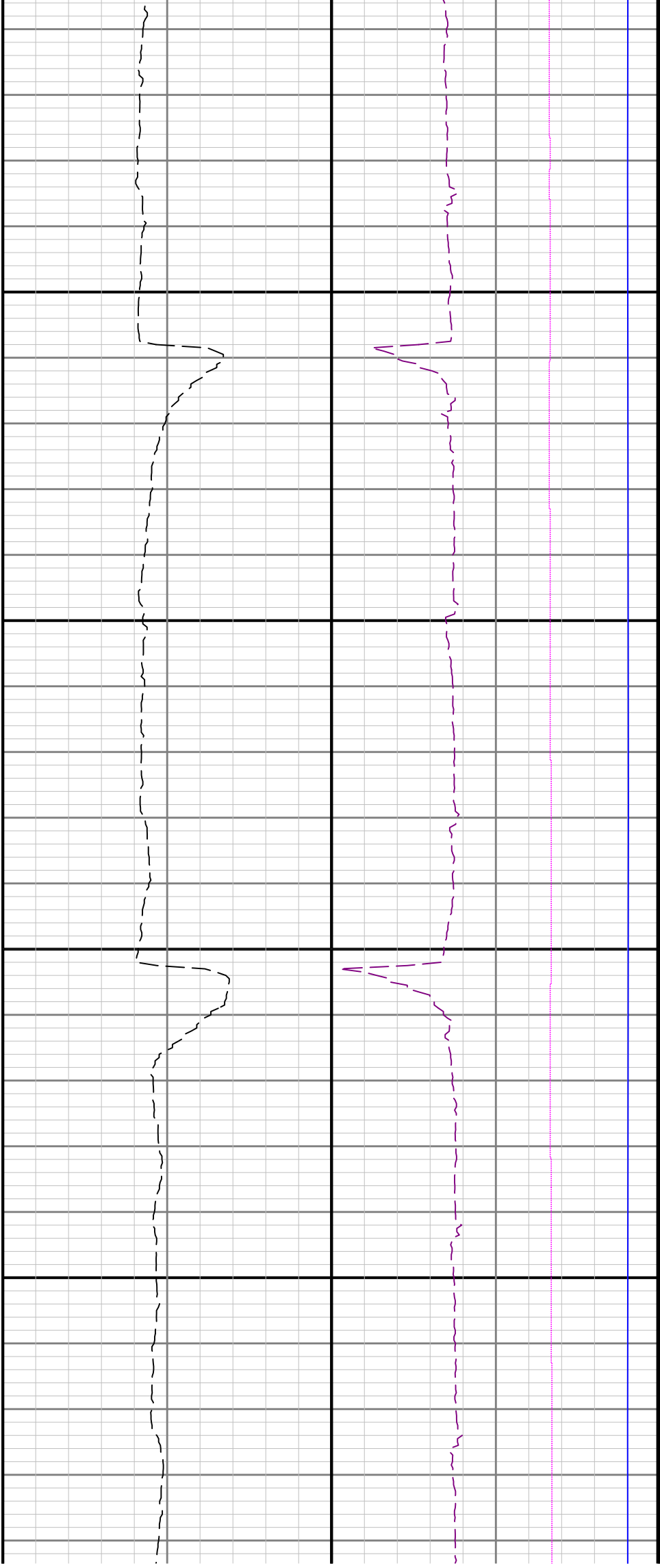


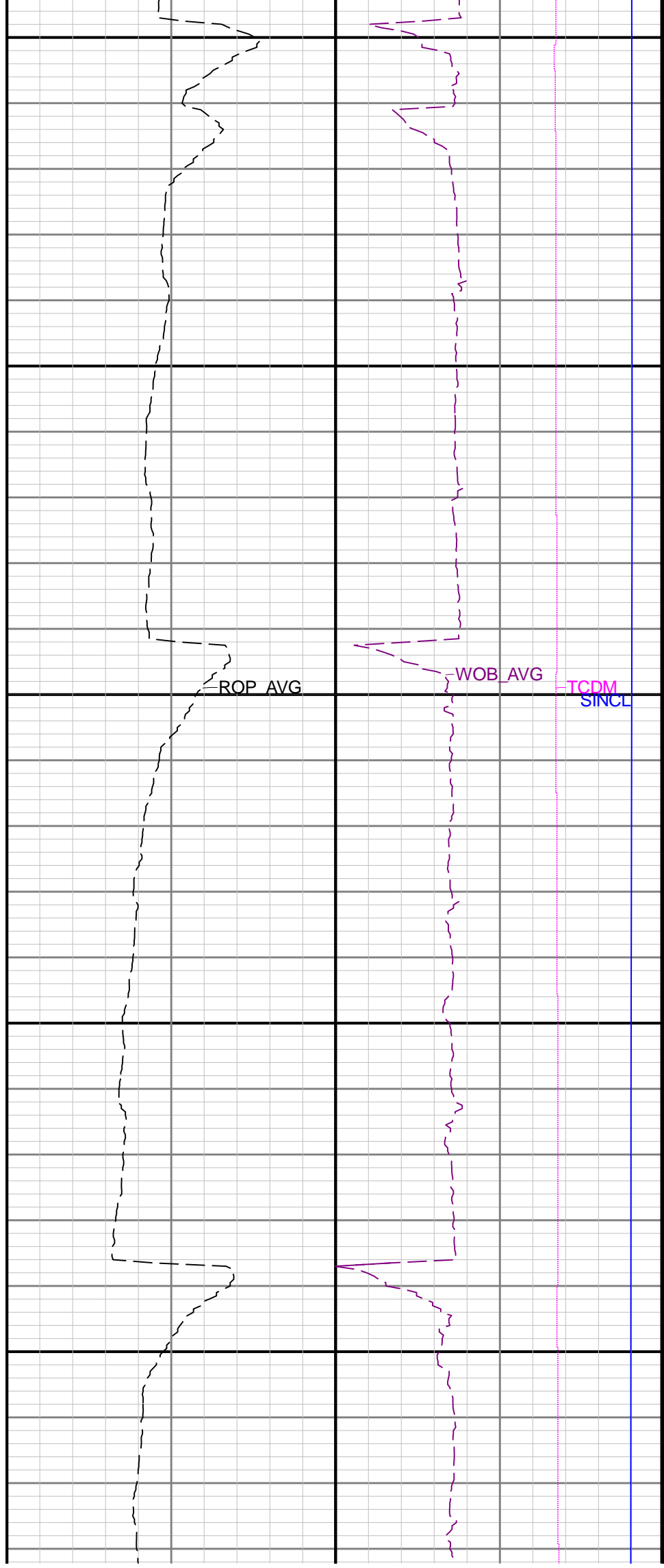
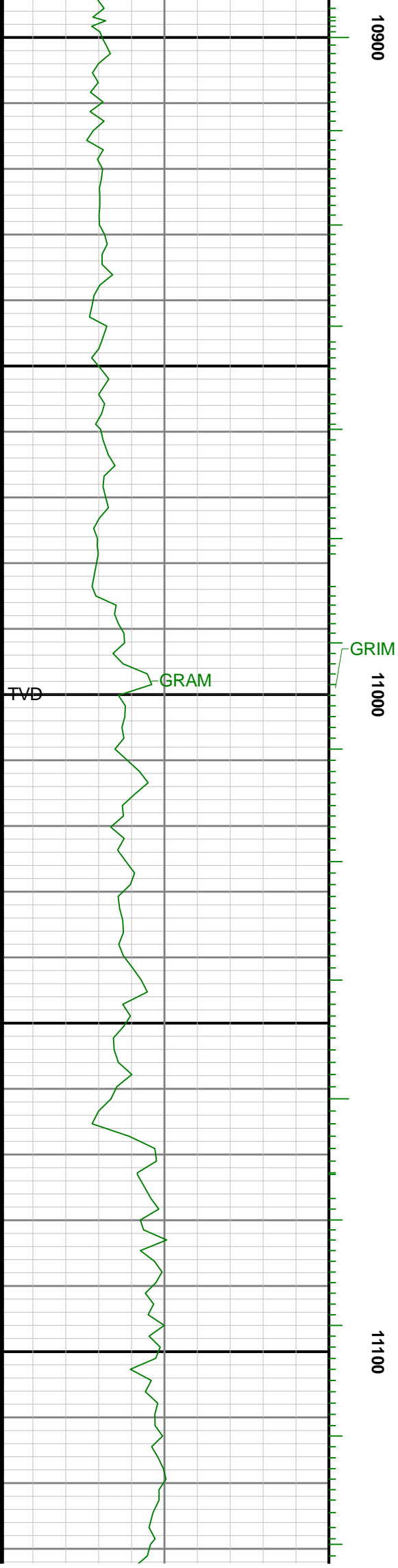


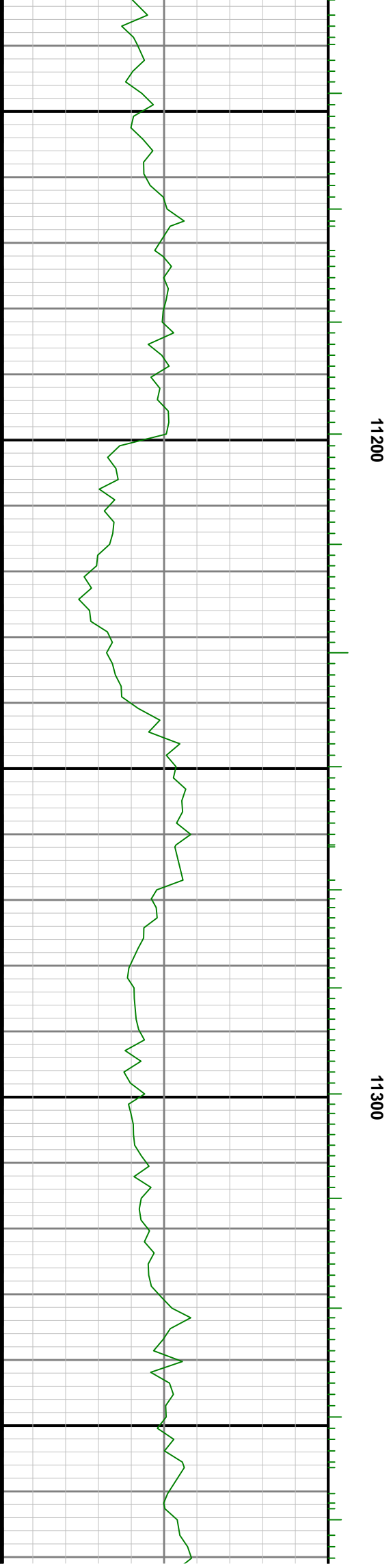
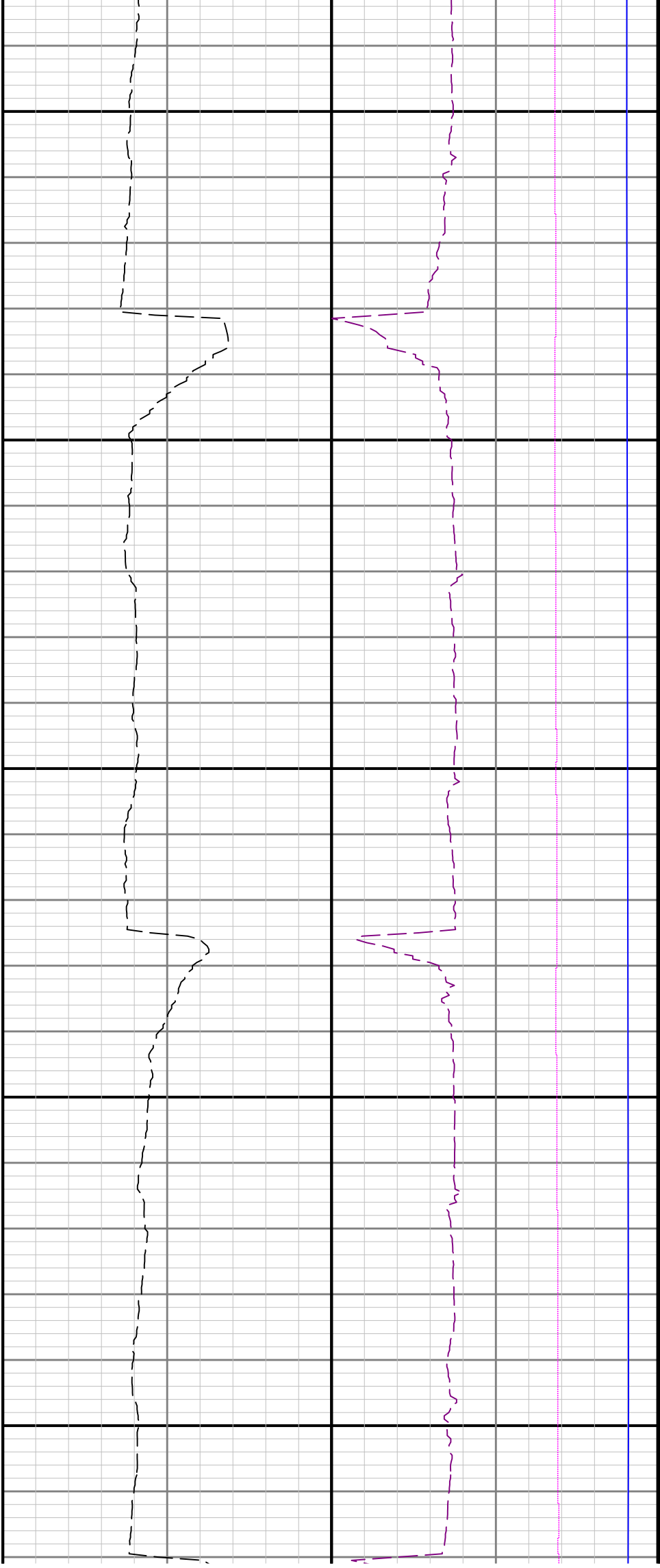
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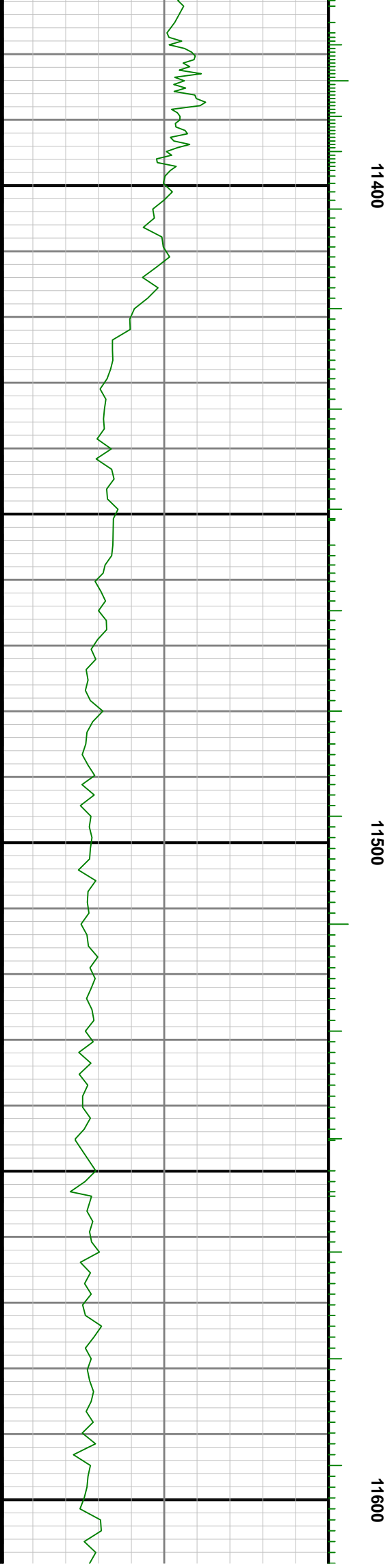
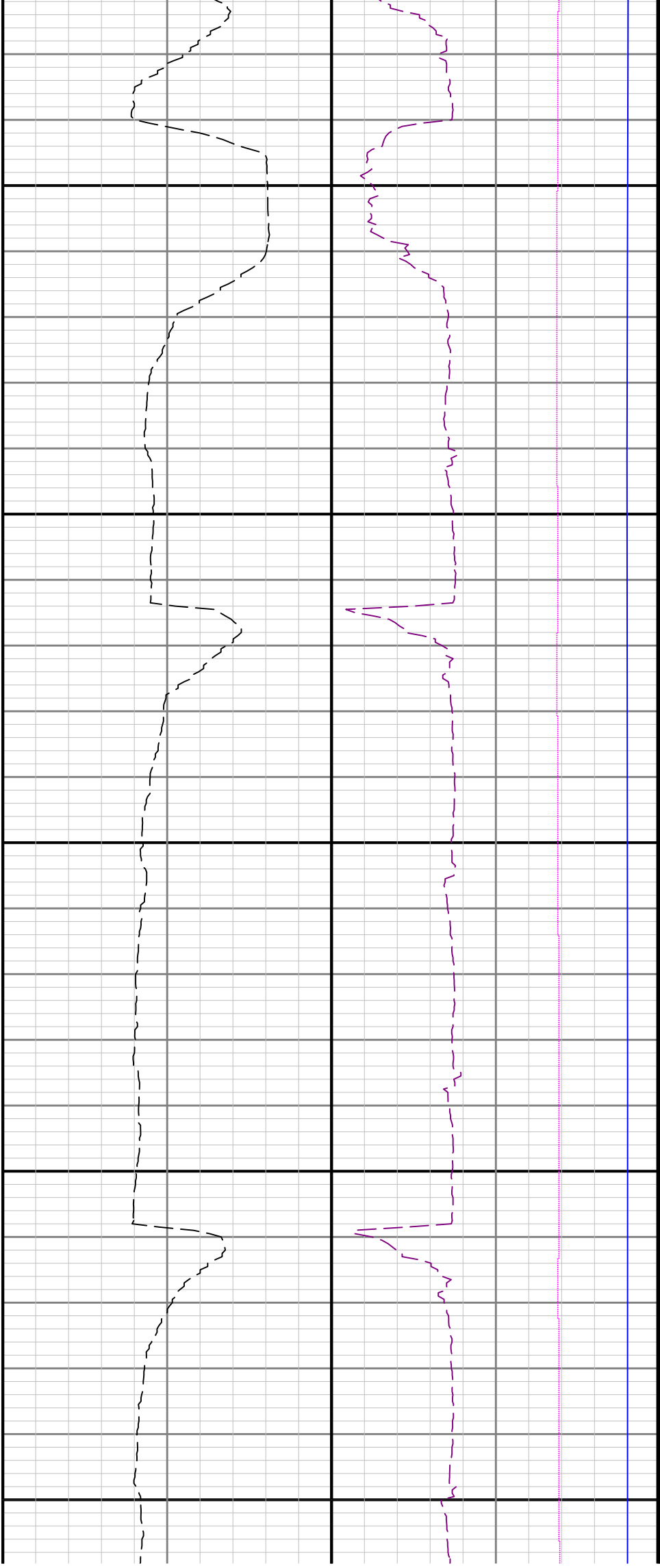
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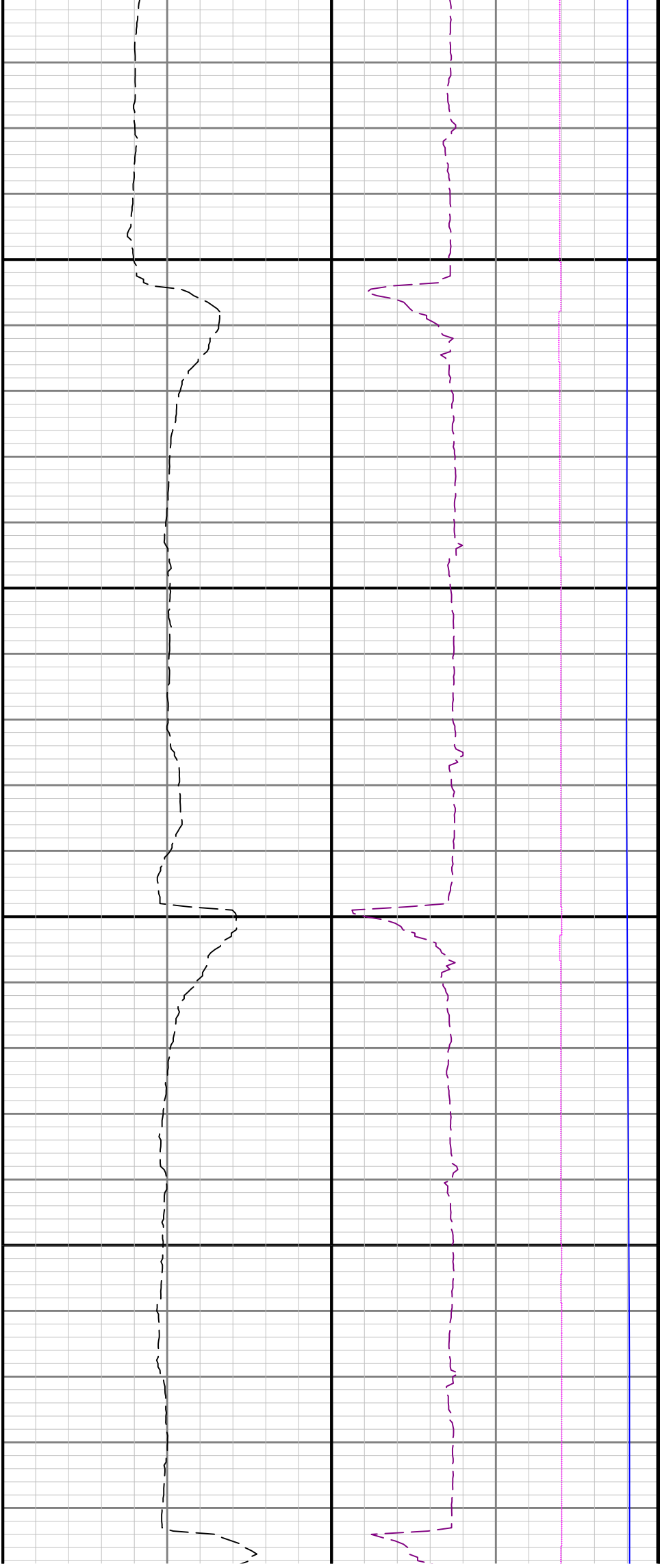


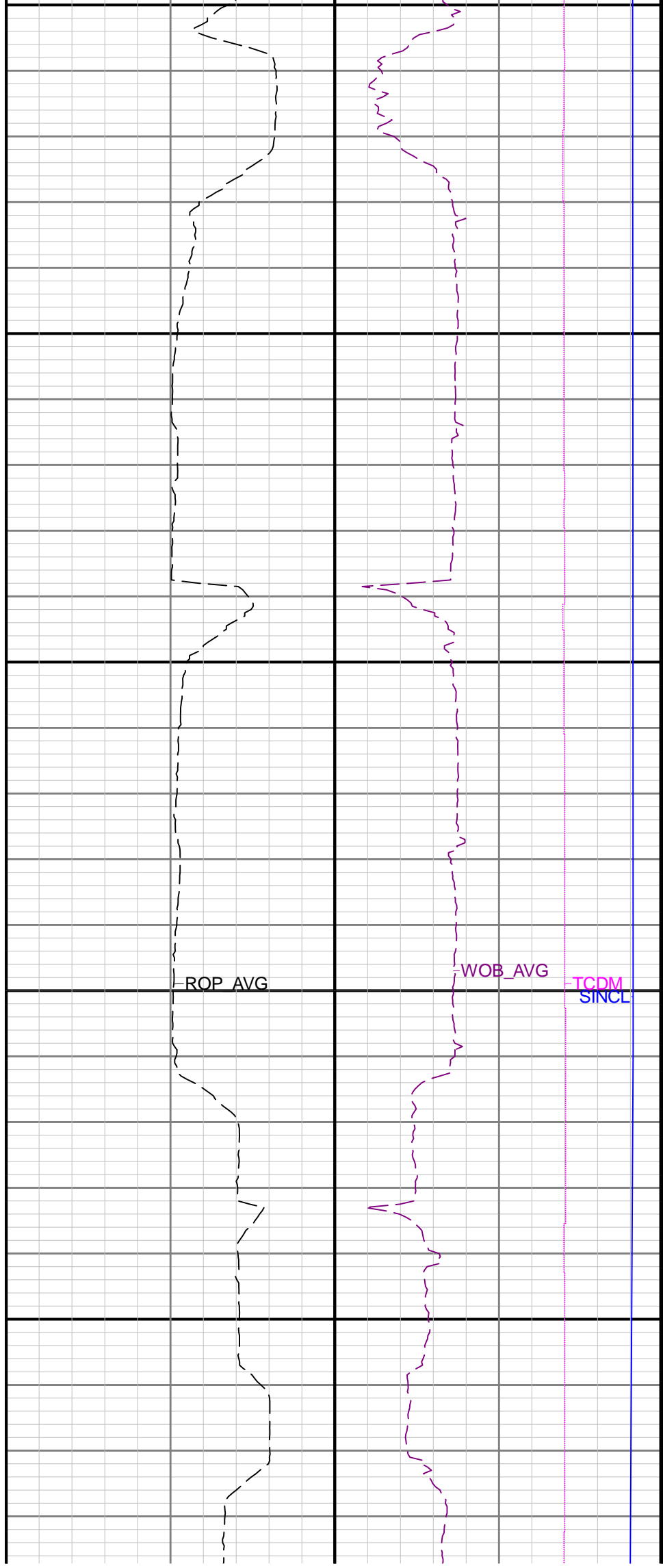
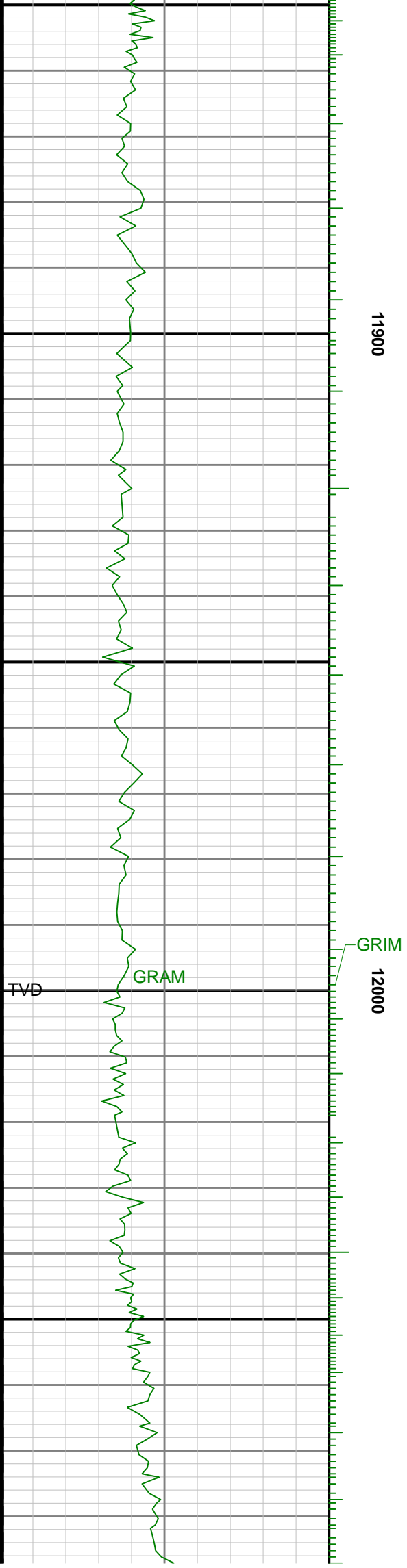


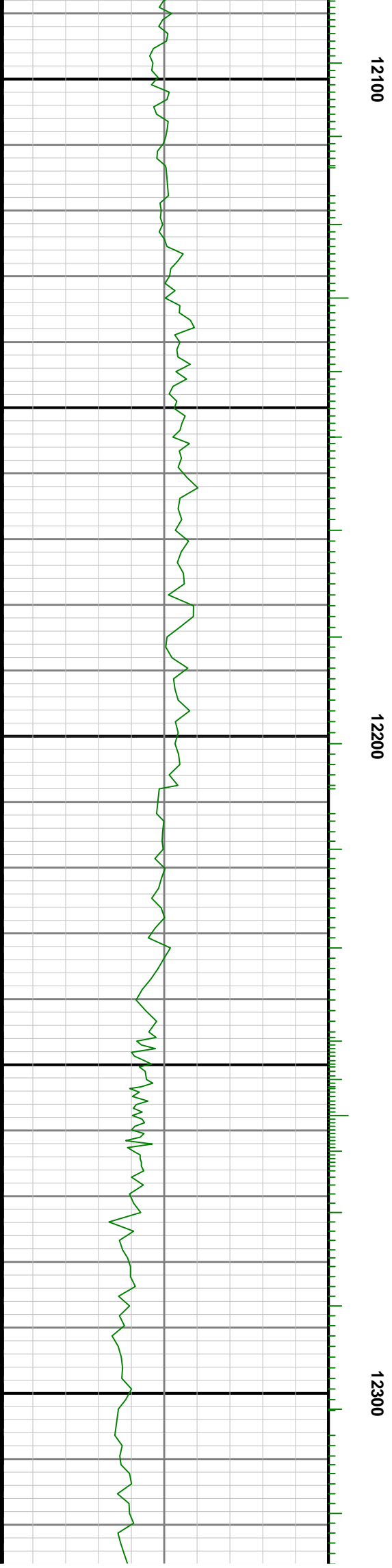
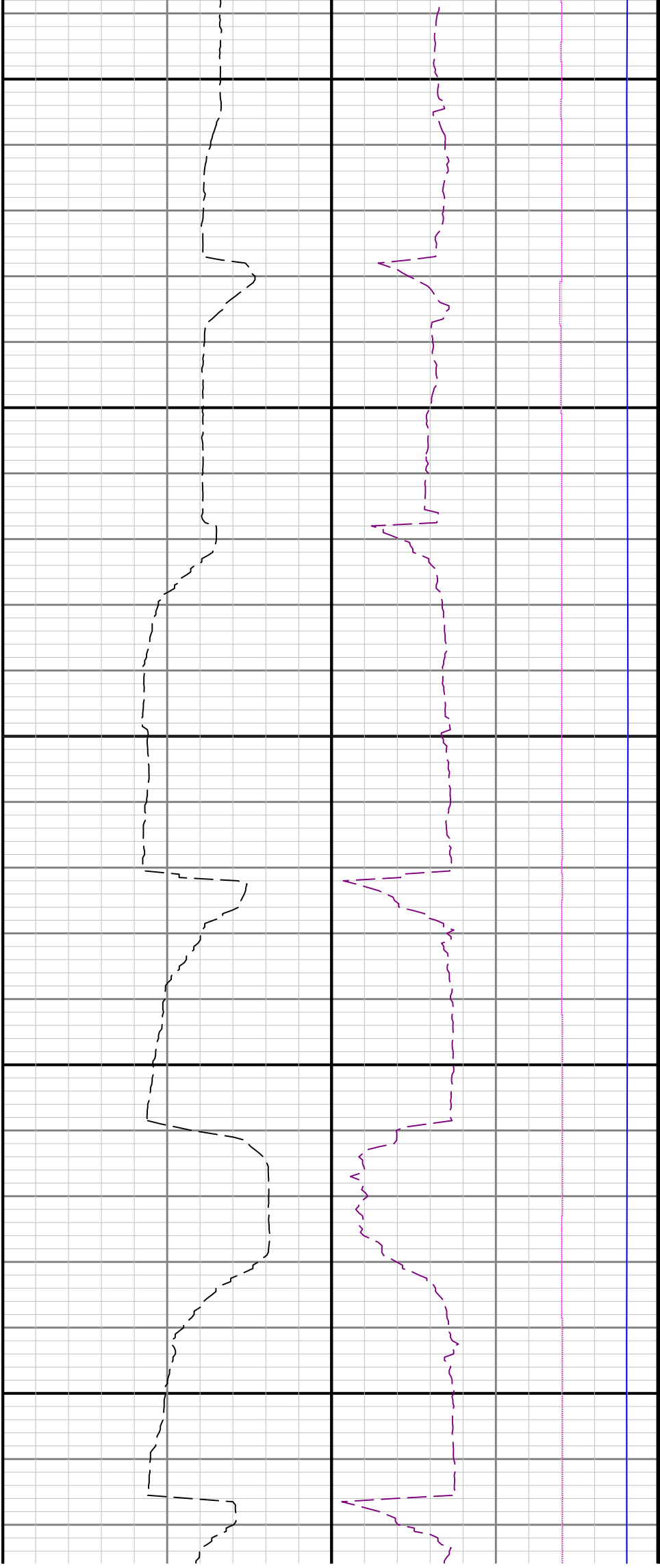


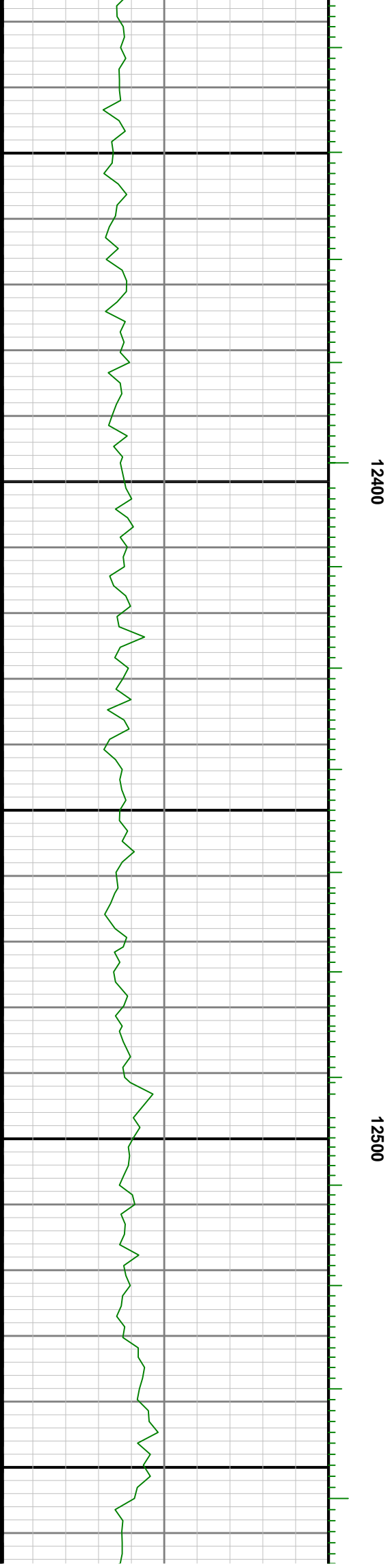
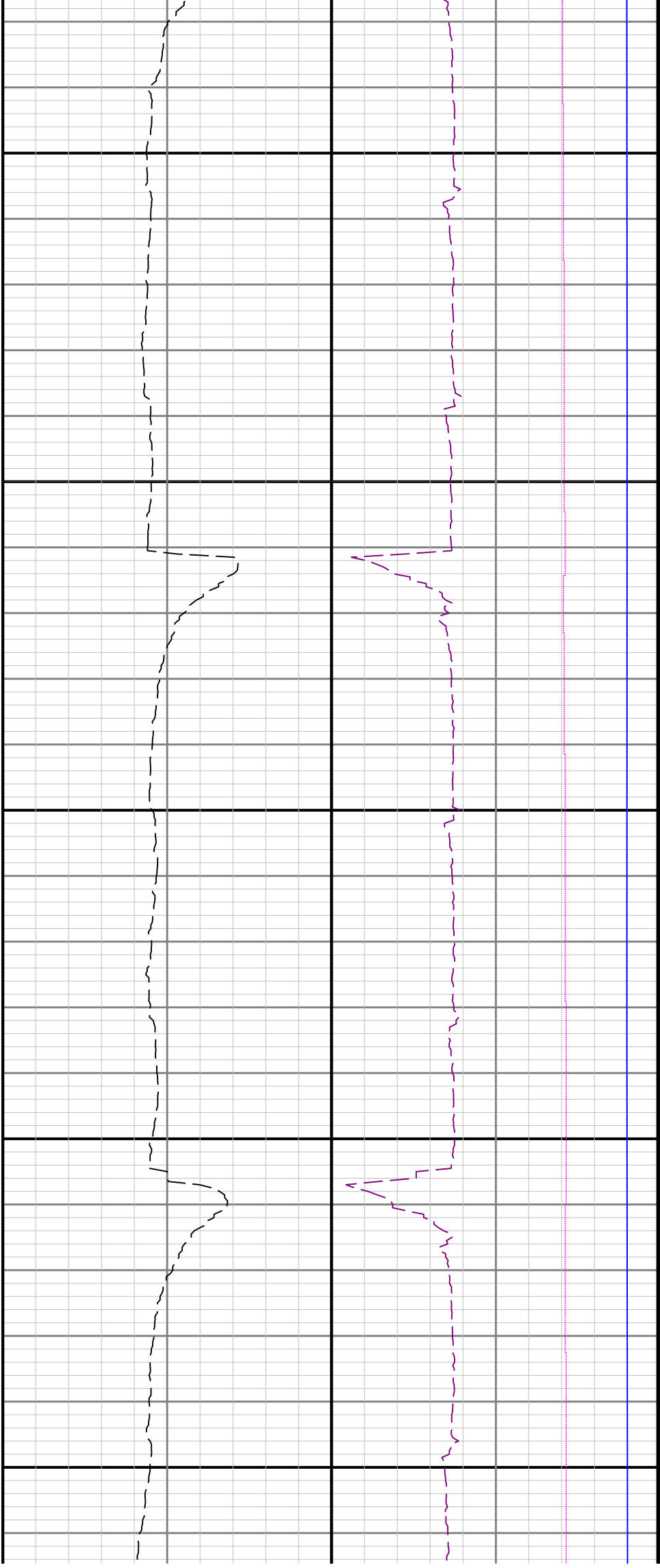


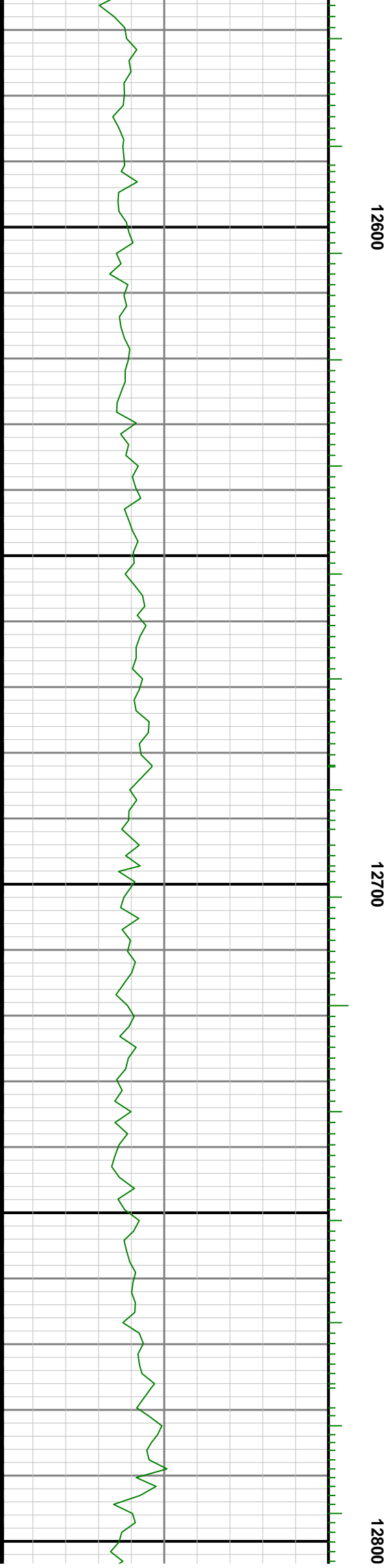
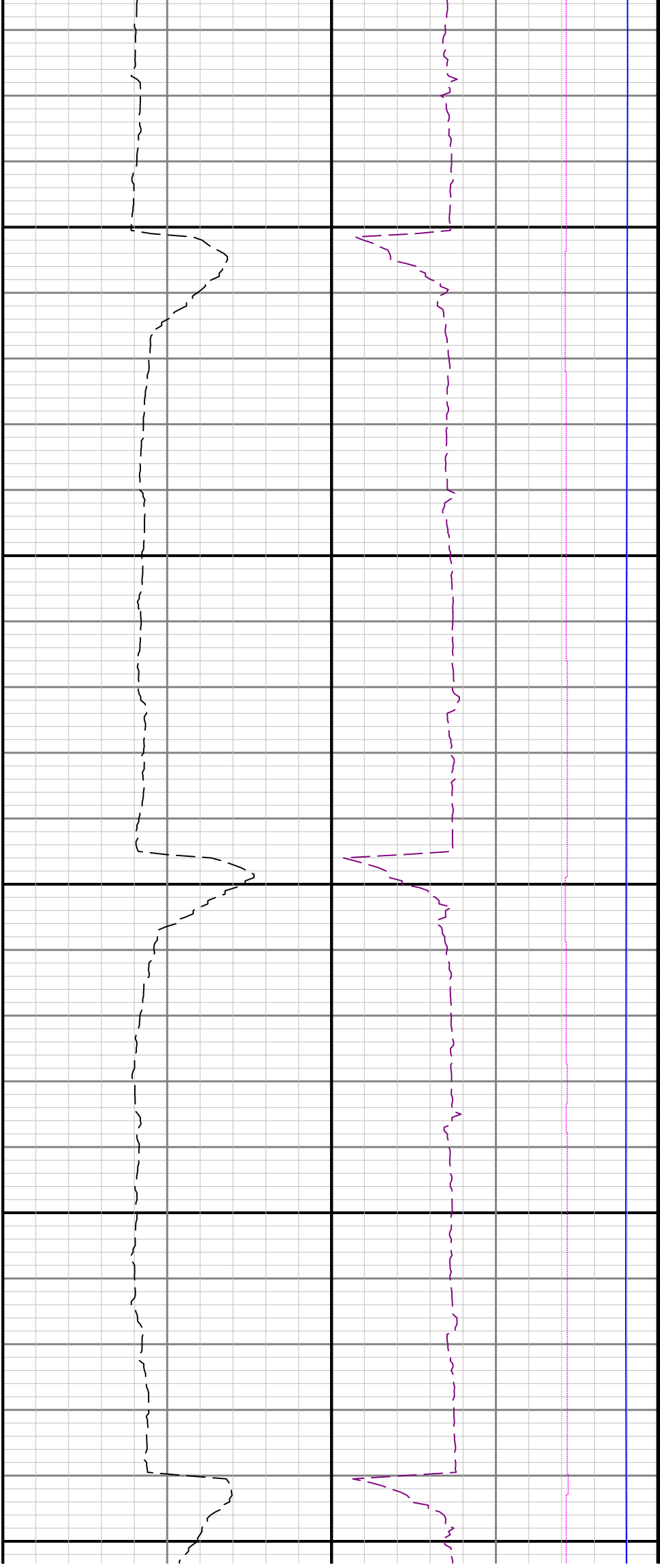


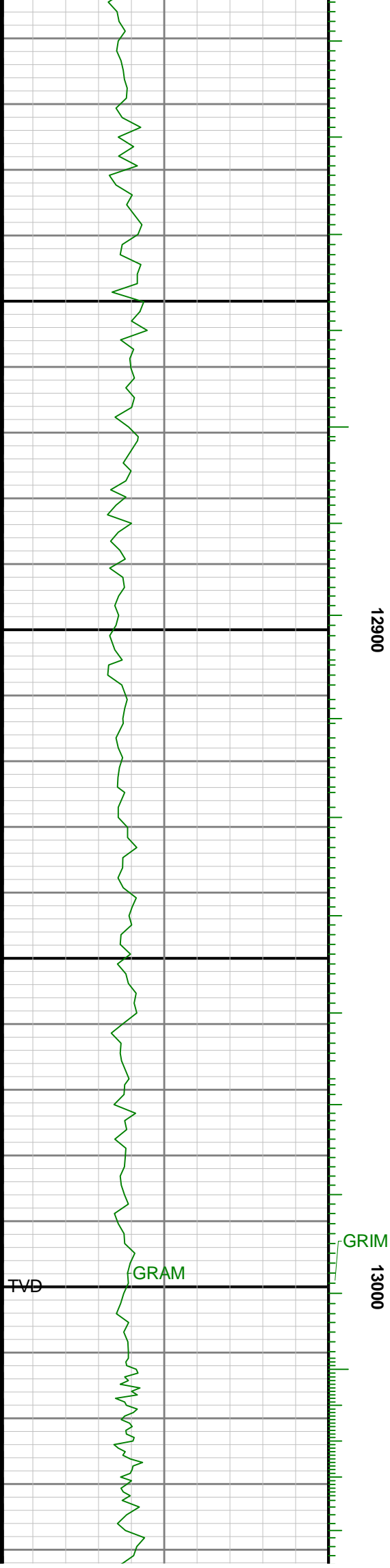


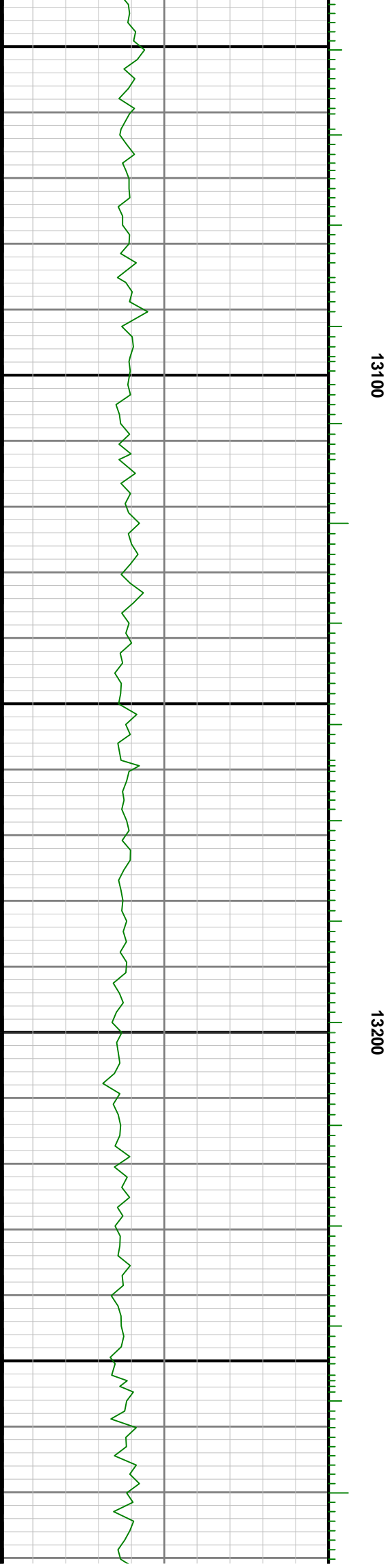
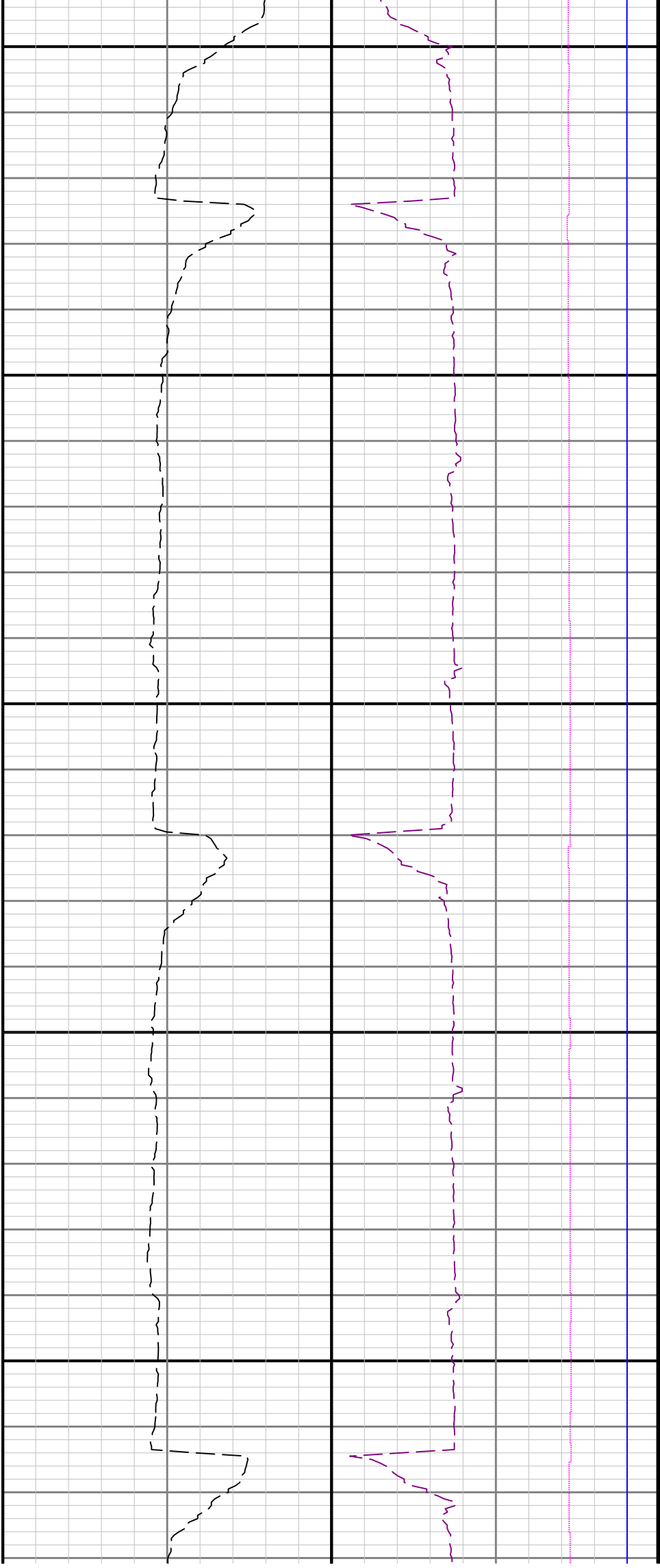


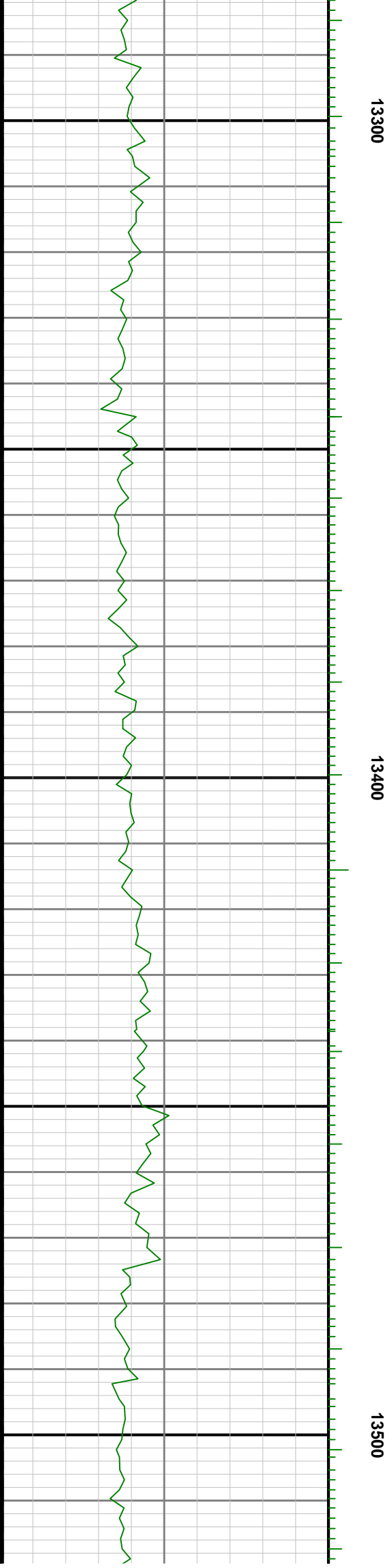
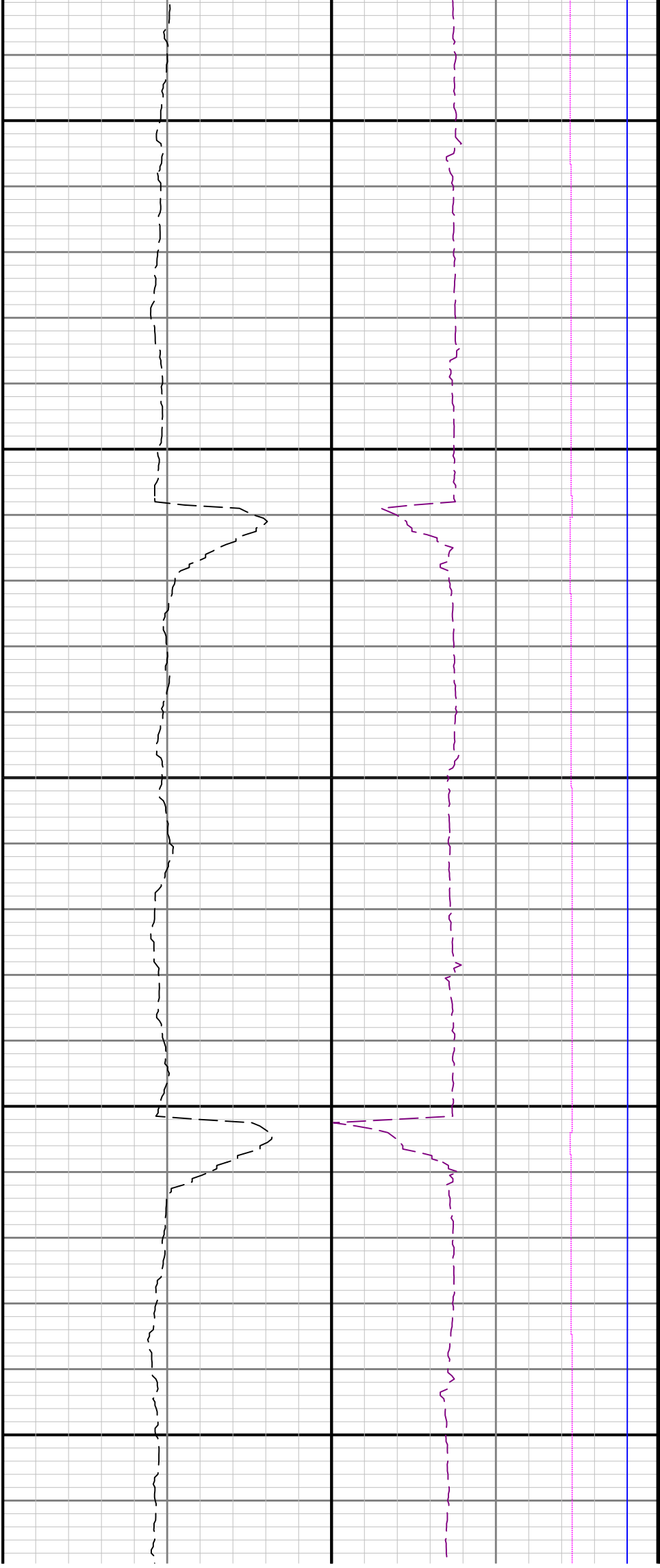


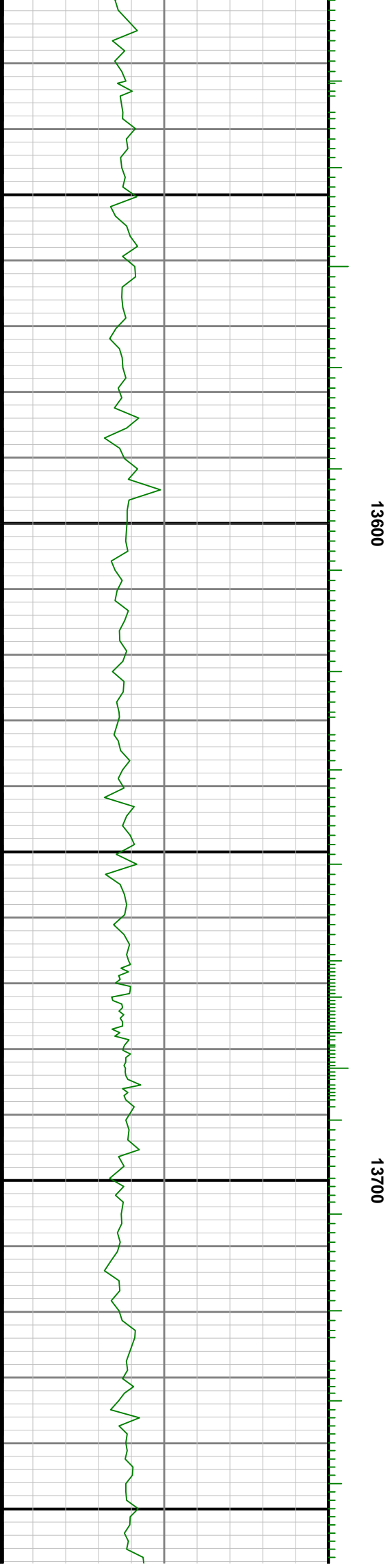
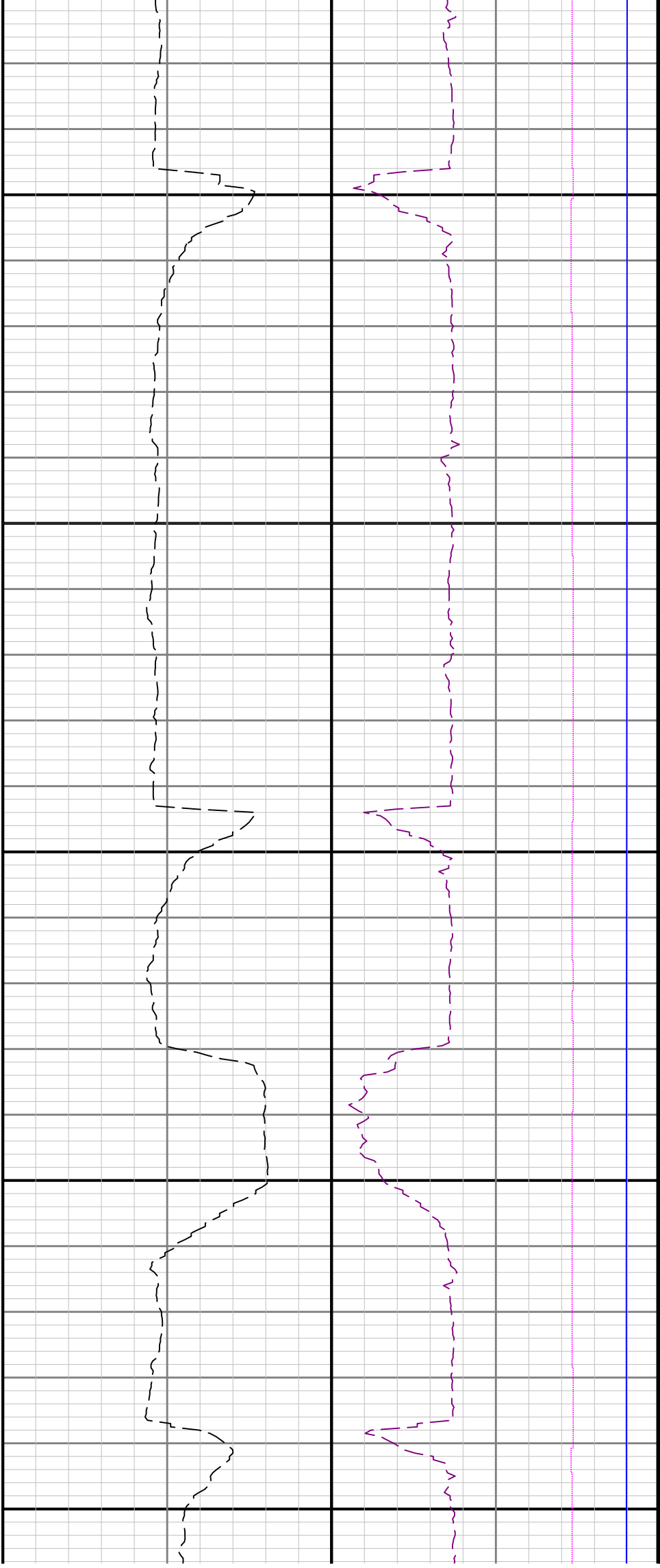


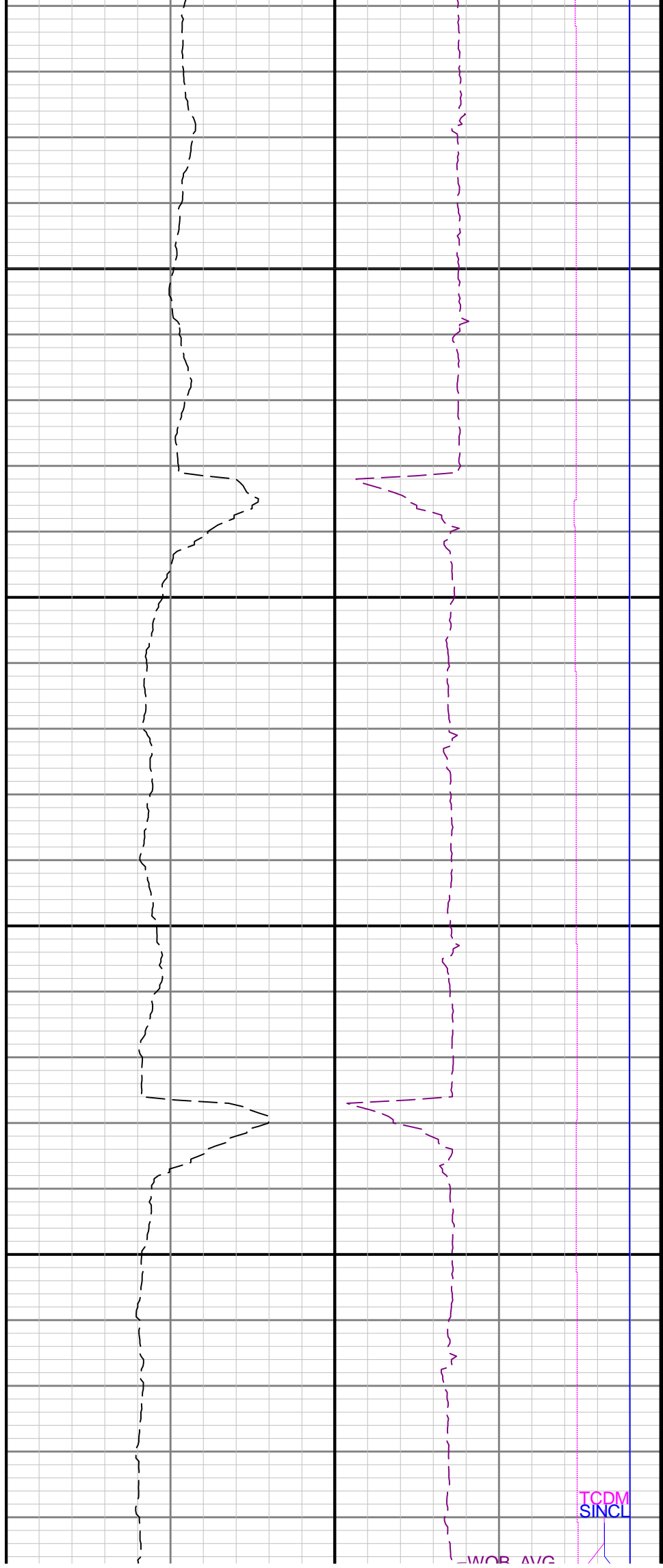
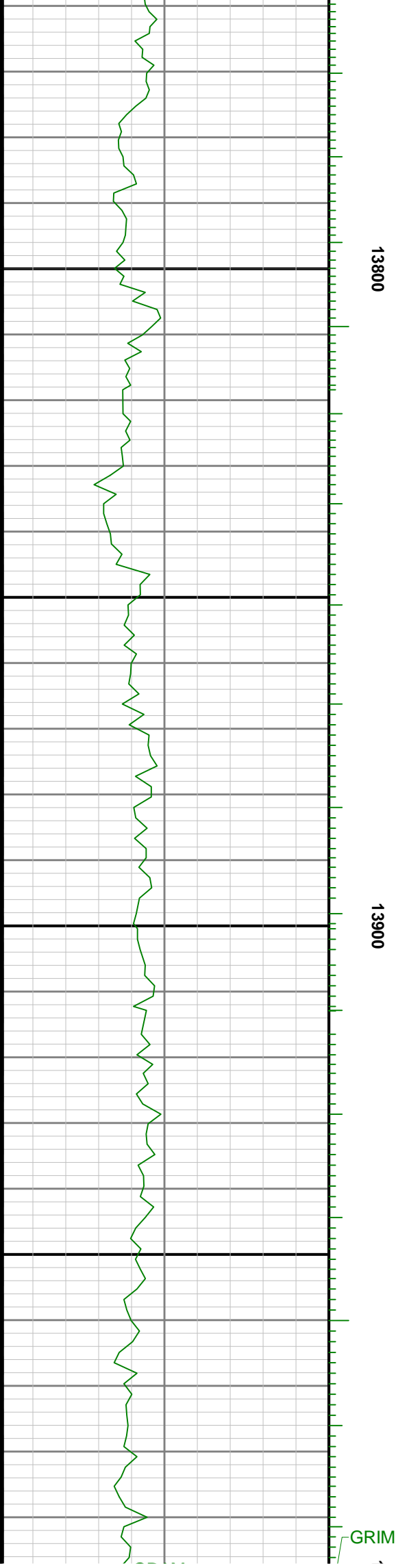




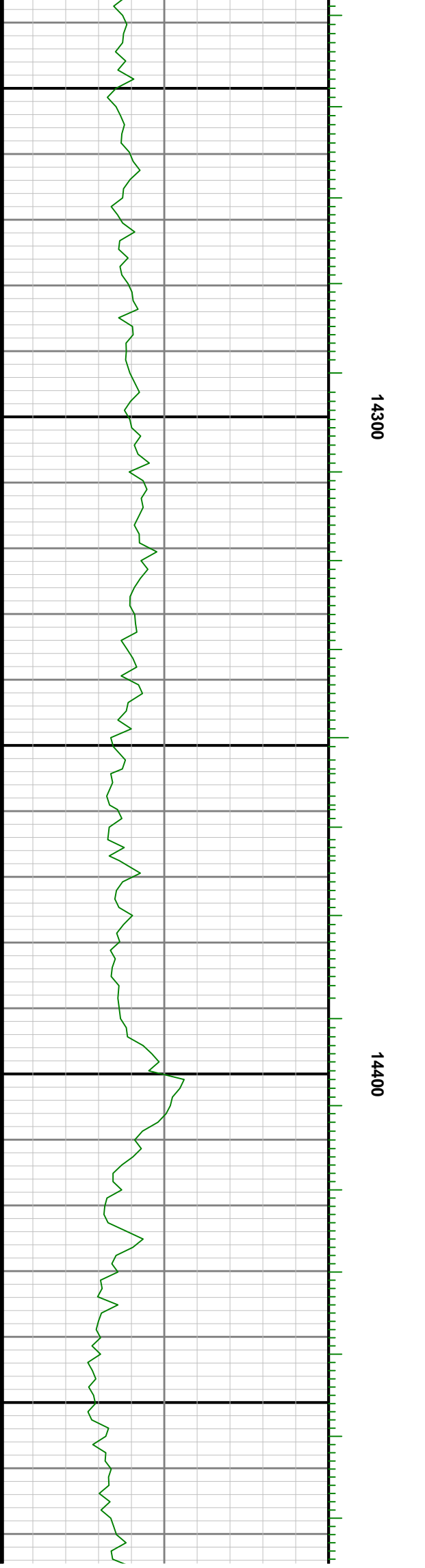
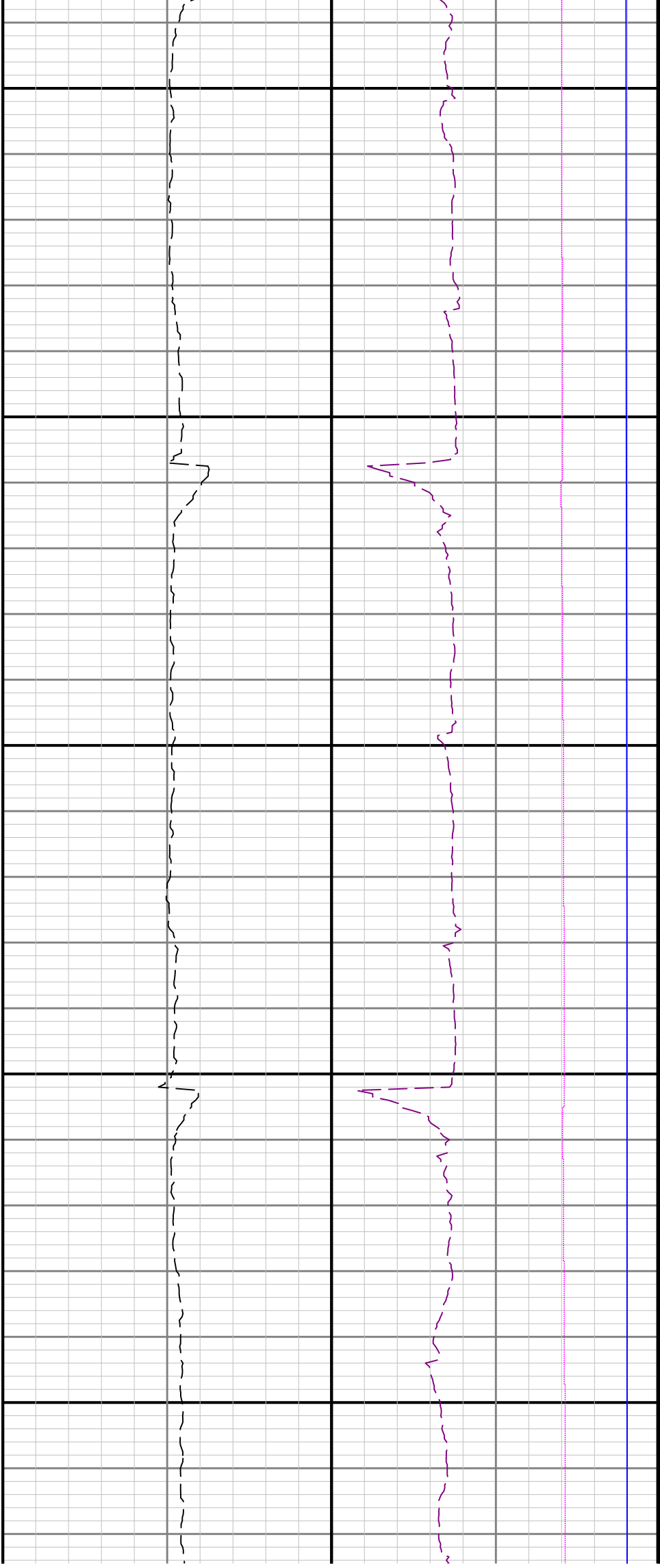


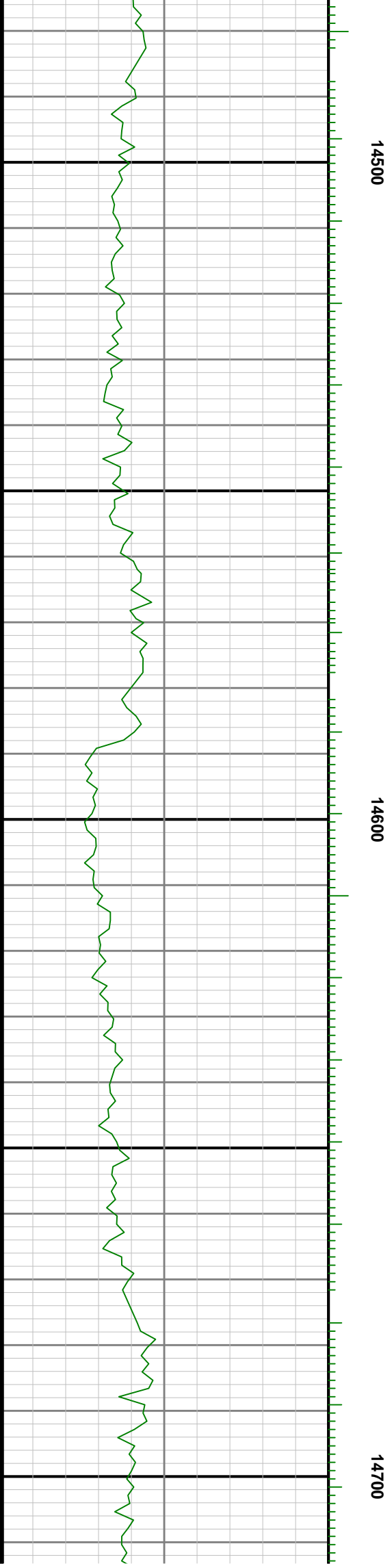
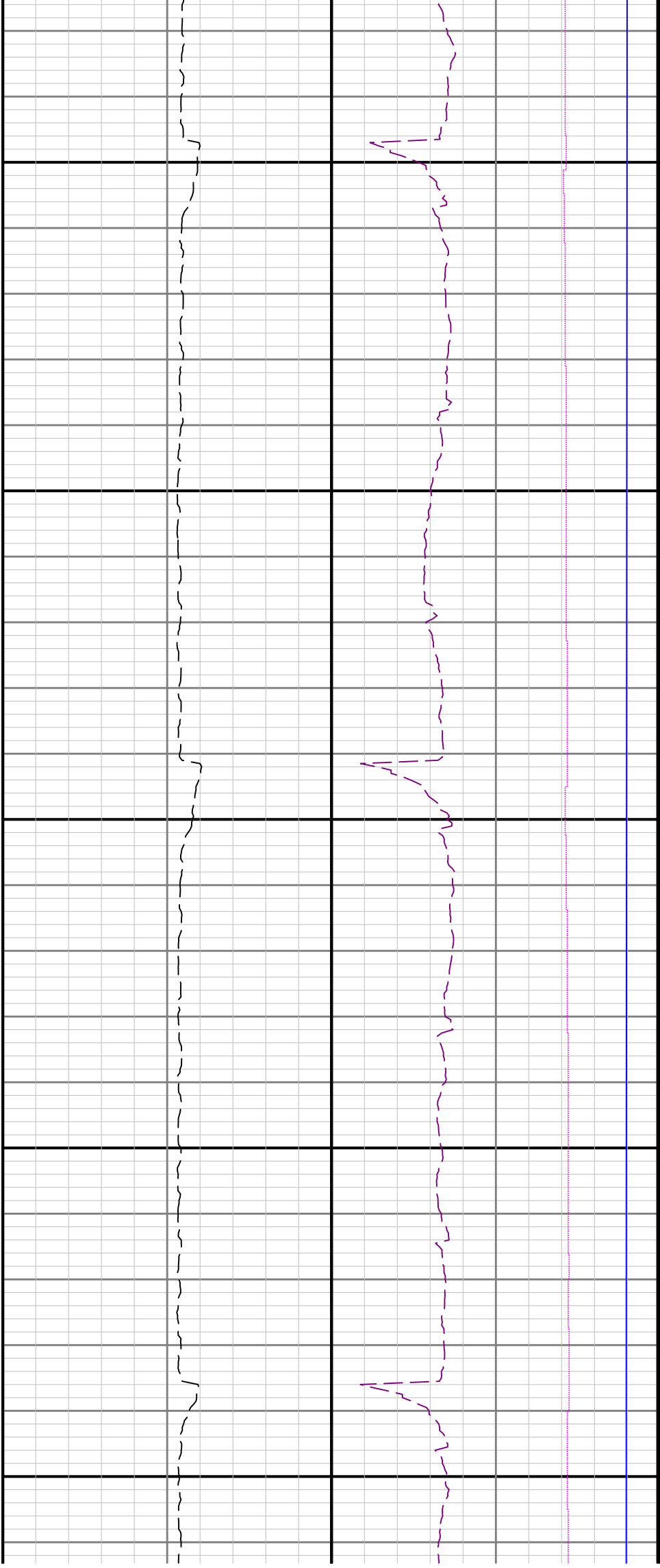


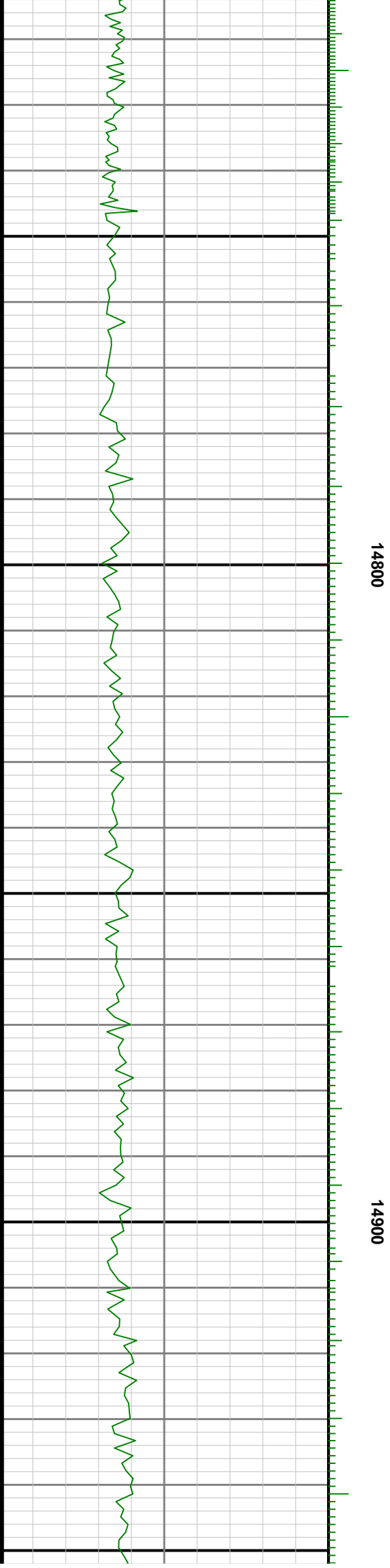
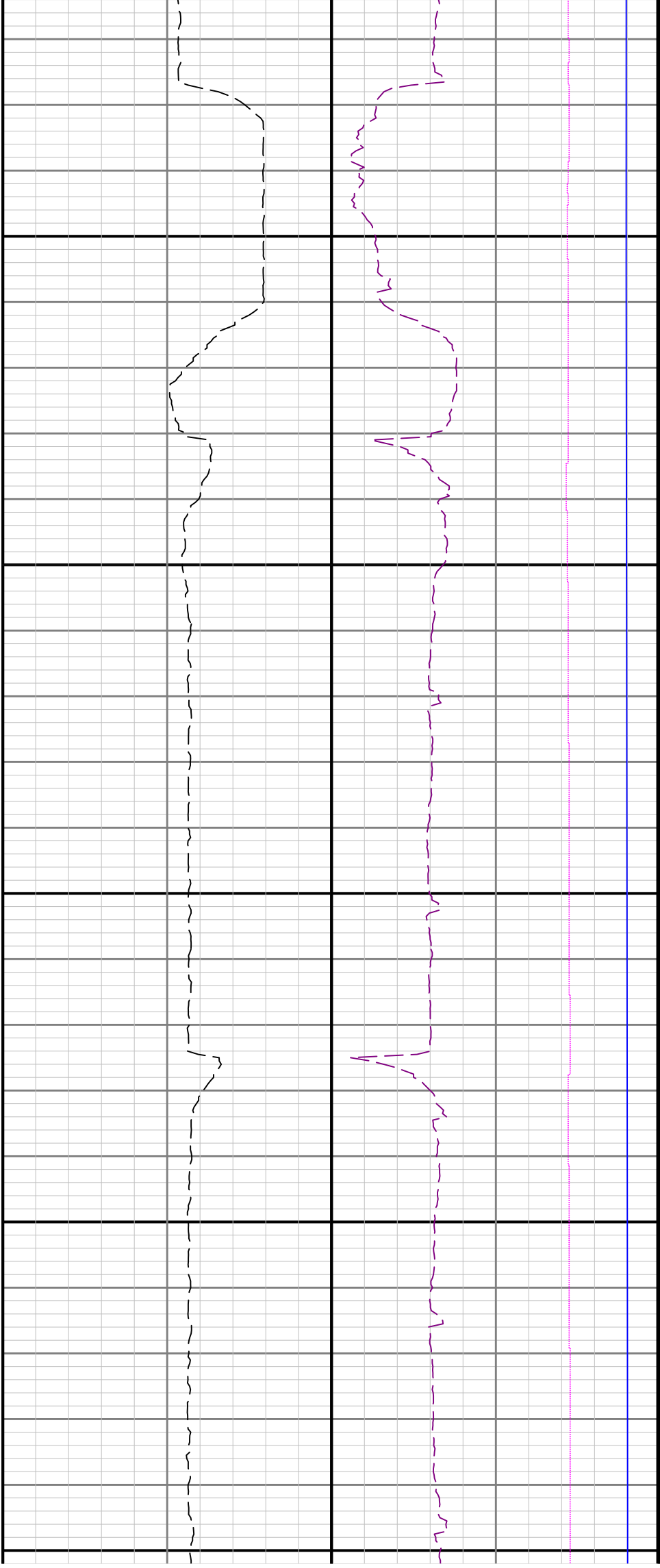


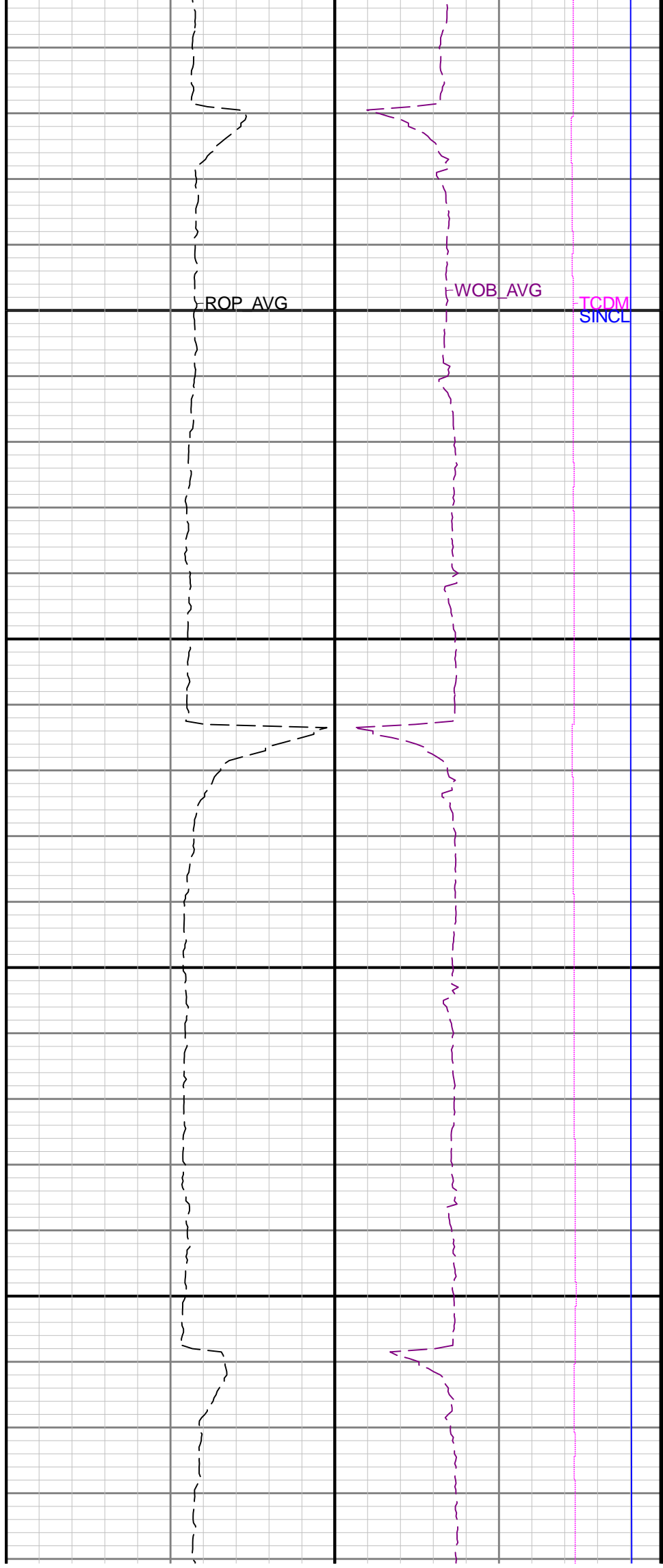
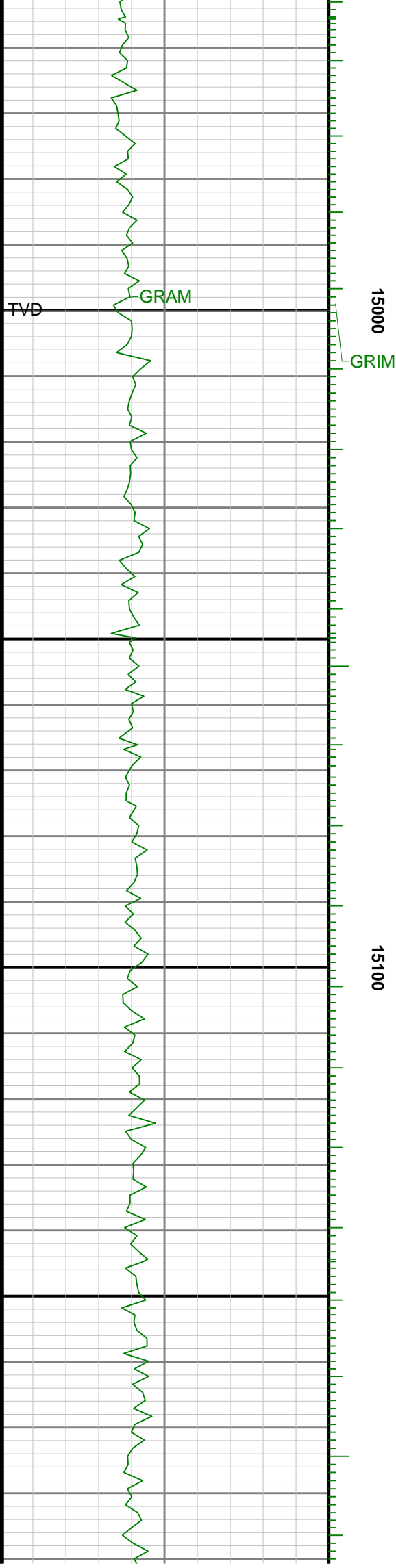


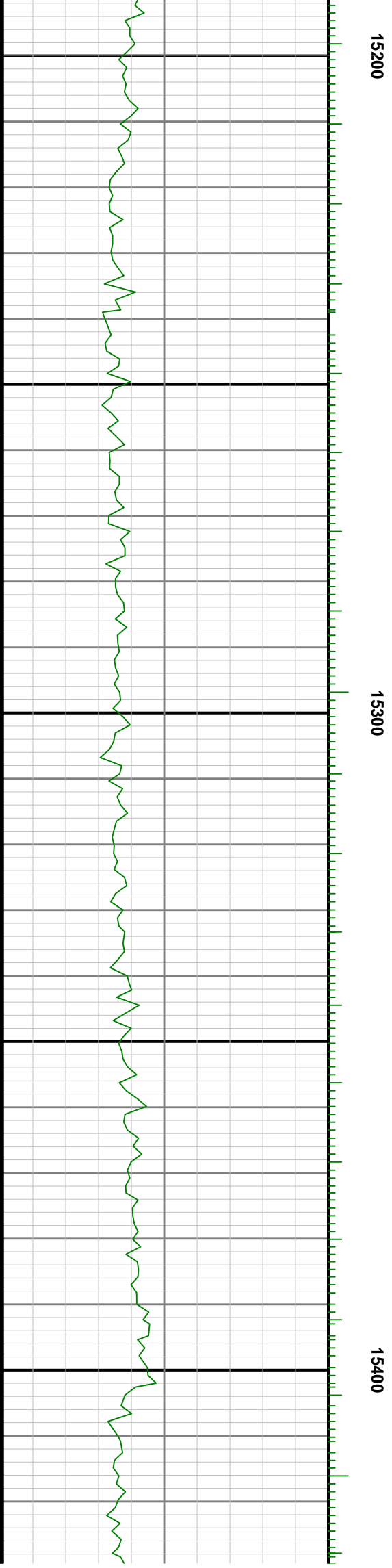
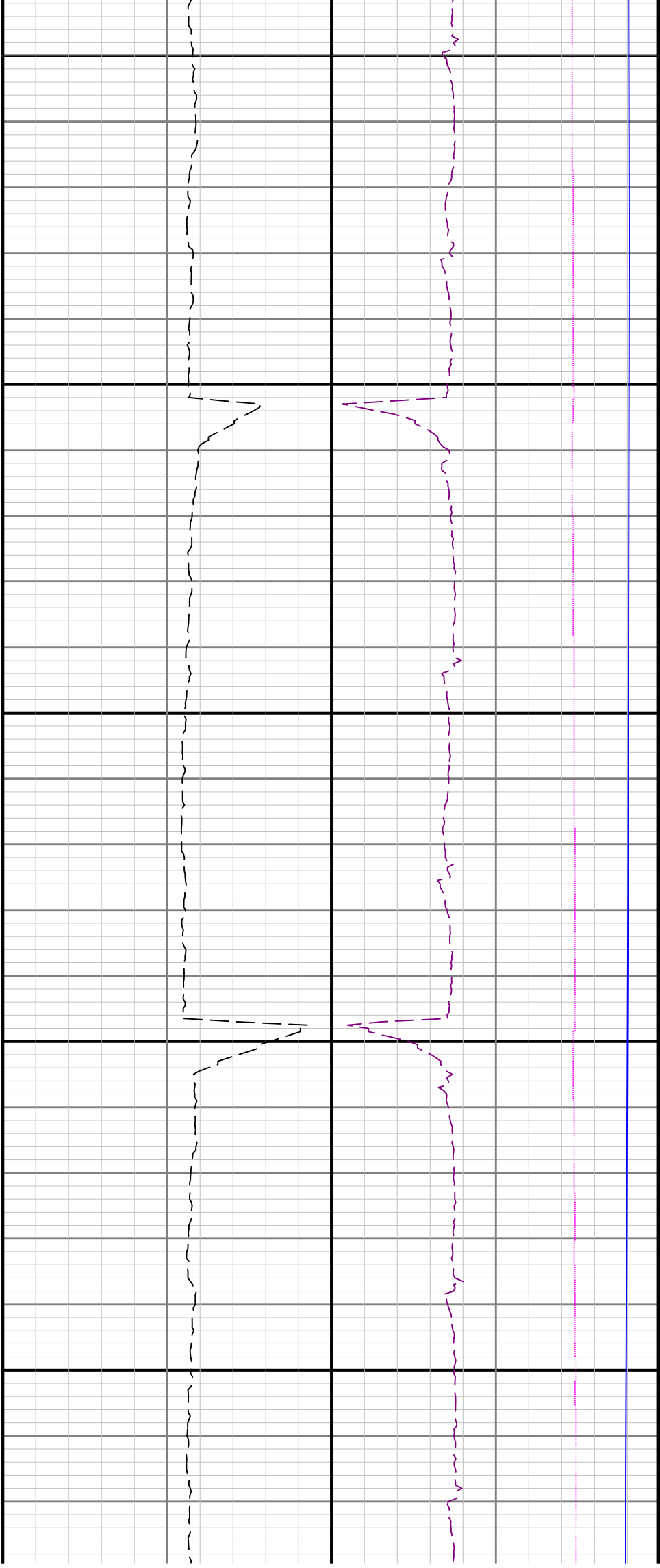


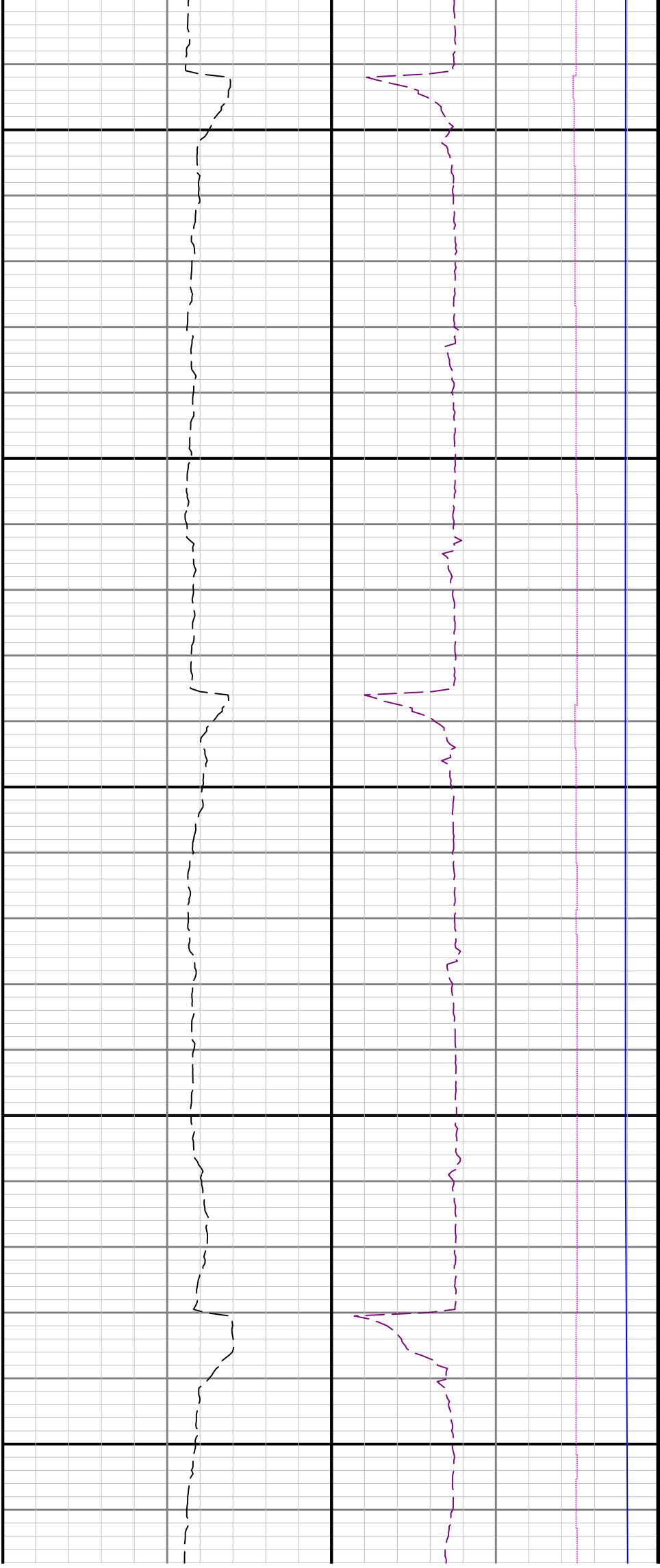












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