



LWD REALTIME LOG

Gamma Ray

Scale:	<div>Company: Great Western Operating CO LLC</div>					
1:240 MD	<div>Well: Schneider HD 11-299HNX</div>					
Depth Reference:	<div>Field:</div>		<div>Weld County</div>			
Driller's Depth	<div>County:</div>		<div>Weld County</div>		<div>Country: United States</div>	
Status:	<div>State:</div>		<div>Colorado</div>			
Final Print	Surface Location:		Other Services:			
API No: 05-123-44683	Latitude:		Elev. KB:			
Job ID: 8544815	Longitude:		Elev. DF:			
	SEC:		7 TWN:		4N RGE:	
Permanent Datum (P.D.): Mean Sea Level			Elevation:		0.00 ft	
Log Measured From: Rig Floor			Above P.D.		4756.00 ft	
					Elev. GL:	
					N/A	
Dates	Interval Logged			Magnetic Field Reference		
Date From: 2017-06-13	Top: (ft)		1555.00		Azi Reference North: True	
Date To: 2017-06-16	Bottom: (ft)		16896.00		Dip Angle: (deg)	
Spud Date: 2017-05-15					Total Magnetic Field Strength: (nT)	
					Mag to Reference North Correction: (deg)	
					8.41 E	
Borehole Record	Casing Record					
Hole Size (in)	From (ft)	To (ft)	Size (in)	Weight (lb/ft)	From (ft)	To (ft)
13.500	20.00	1568.00	13.500	37.00	20.00	1558.00
8.500	1568.00	16909.00				
Mud Record	Deviation Record					
Type	From (ft)	To (ft)	Hole Size (in)	Interval (ft)	Inc Az (Start)	Inc Az (End)
Oil Based Mud	1568.00	16909.00	8.500	15341.00	0.63 305.23	90.40 269.35
Acquisition System	Software Version		Other			
Baker Hughes Cadence	RT4.1		Rig:	PD 460		
PlotStudio	4.0.7570.8		Contractor:	Precision Drilling		
			District:	RMA Unit: D&E		

"These interpretations and analyses ("Interpretations") are opinions provided by Baker Hughes Oilfield Operations, Inc ("Baker Hughes"), based upon industry practice, empirical relationships, assumptions and measurements, (many of which may be provided by the customer). The Interpretations are not infallible and may be subject to different opinions. Vjwu. "Dcmgt"Jwi jgu"fggu"pqv"ycttcpv"vjgkt"ceewtce{"eqttgevpguu."qt"eqornvgvgpguu."qt"vjcv"vjg"ewuvqogtøu"cpflqt"cp{"vjktf"rctv{øu"tgnkcpeg"qp"uwej"Kpvgtrtgvcvkqpu"yknn"ceeqornkuj"cp{"rctvkewnct"tguwnvu0"Vjg"ewuvqogt"cuuwogu"hwnn" responsibility for the use of the Interpretations and for decisions based thereon and the customer agrees to release, defend and indemnify Baker Hughes, its parent, subsidiaries and affiliated or related entities, and subcontractors, together with its and their officers, directors, employees, agents and invitees against, any and all claims, losses, damages, or expenses sustained by the customer or any third party arising out of reliance upon or use of the Interpretations, without regard to the cause(s) thereof, including without limitation any form of negligence on the part of Baker Hughes. Unless other contract terms have been agreed to by the parties, each party's liabilities and qdnkicvkqpu"ujcnn"dg"iqxgtpgf"d{"Dcmgt"Jwi jgu"Kpeqtrqtcvgføu"Yqtnfykfg"Vgtou"cpf"Eqpfkvkqpu0\$""

Log Run Summary

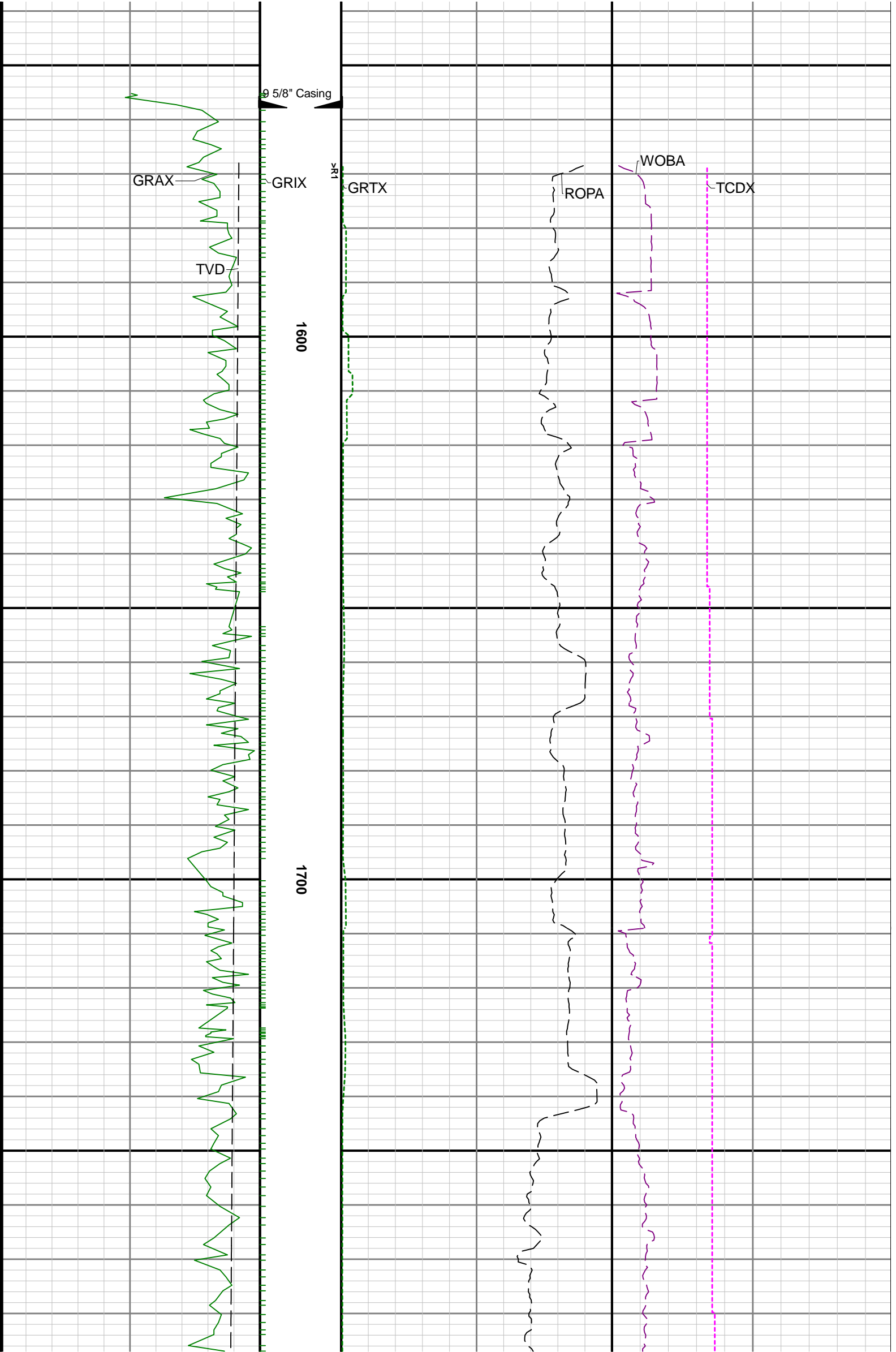
Run No	Bit Run No.	Bit Size (in)	Bit Type	Bit Gauge Length (in)	Assembly Type	Logged Interval		Bit Depth Interval		Date / Time		Circ. Hours (h)
						Top	Bottom	From	To	Start Logging	End Logging	
						(ft)	(ft)	(ft)	(ft)			
1	1	8.500	PDC	3.00	AutoTrak Curve	1555.00	16896.00	1568.00	16909.00	2017-06-13 06:32	2017-06-16 06:38	66.55

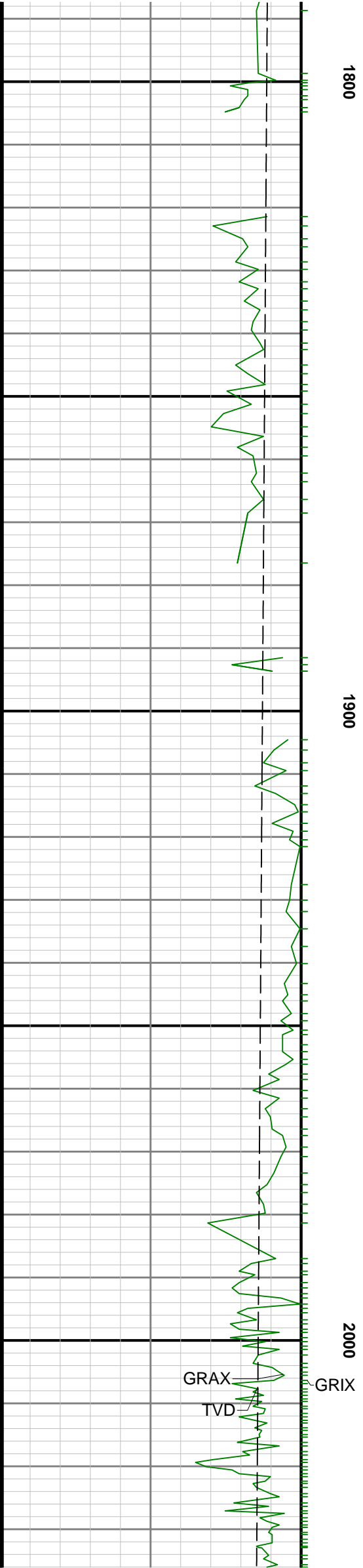
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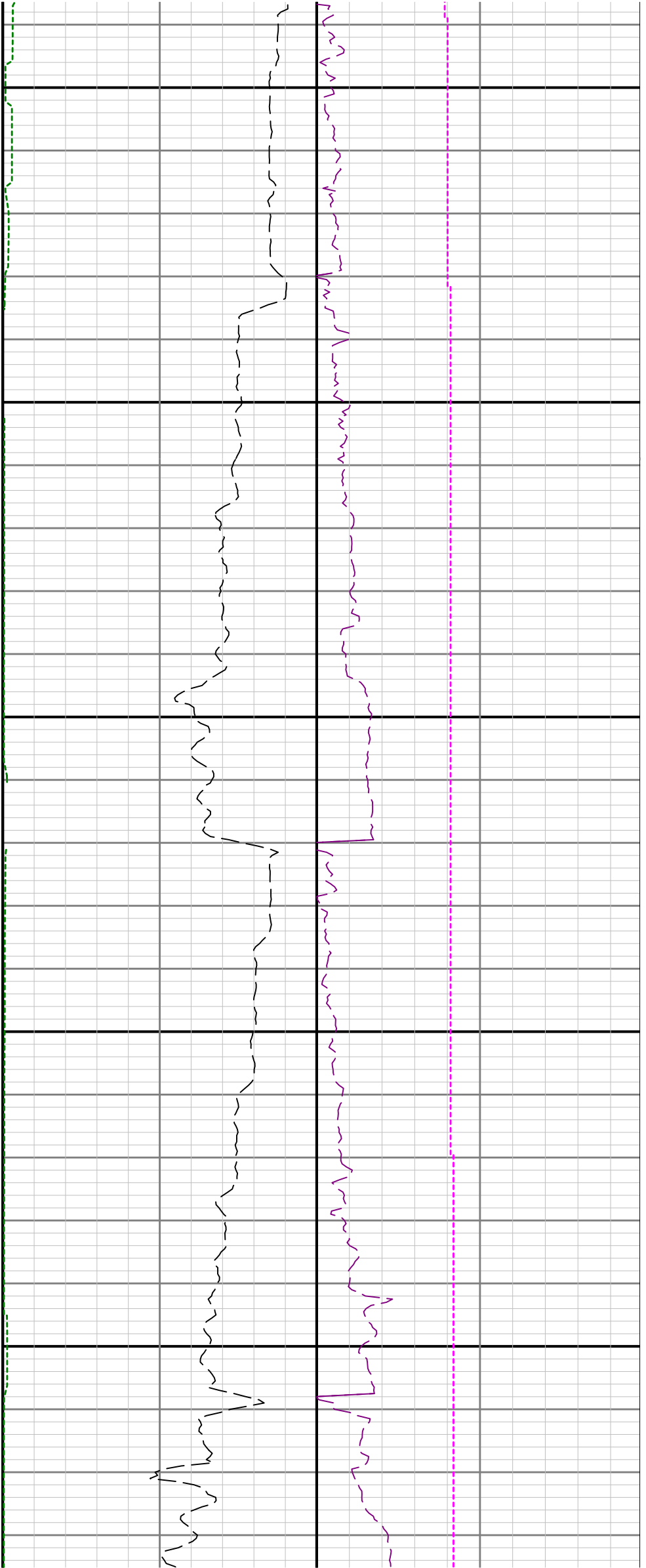
Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite
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Mud Properties Record

Date / Time	Run No.	Measured Depth (ft)	Mud Type	Density (ppg)	Viscosity (cP)	pH	Fluid Loss (cm3)	Oil / Water	Source	Total Chlorides (ppm)	K+ (%)
2017-06-14 05:09	1	6690.00	Oil Based Mud	9.9	18	0	0.0	74/26	Active Pit	20000	0.00
2017-06-15 04:33	1	11632.00	Oil Based Mud	10.1	24	0	0.0	75/25	Active Pit	20000	0.00

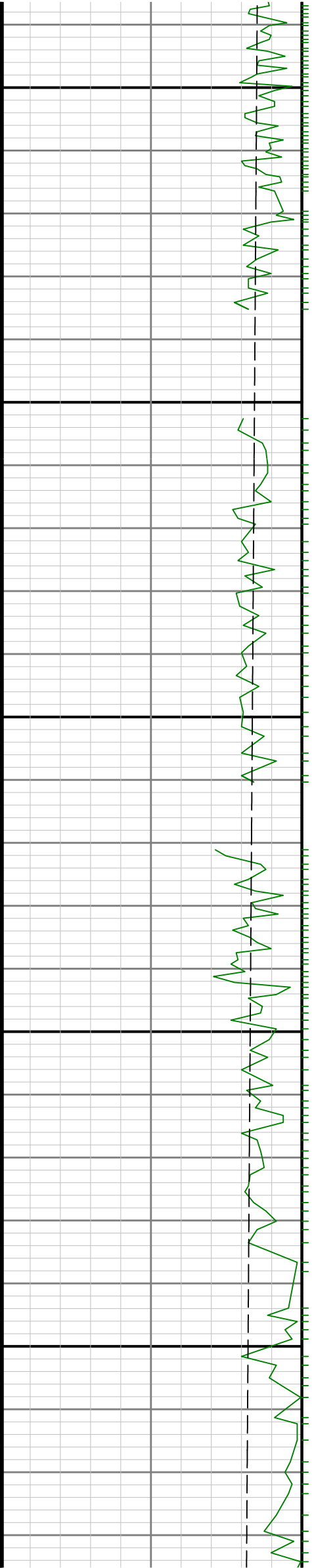


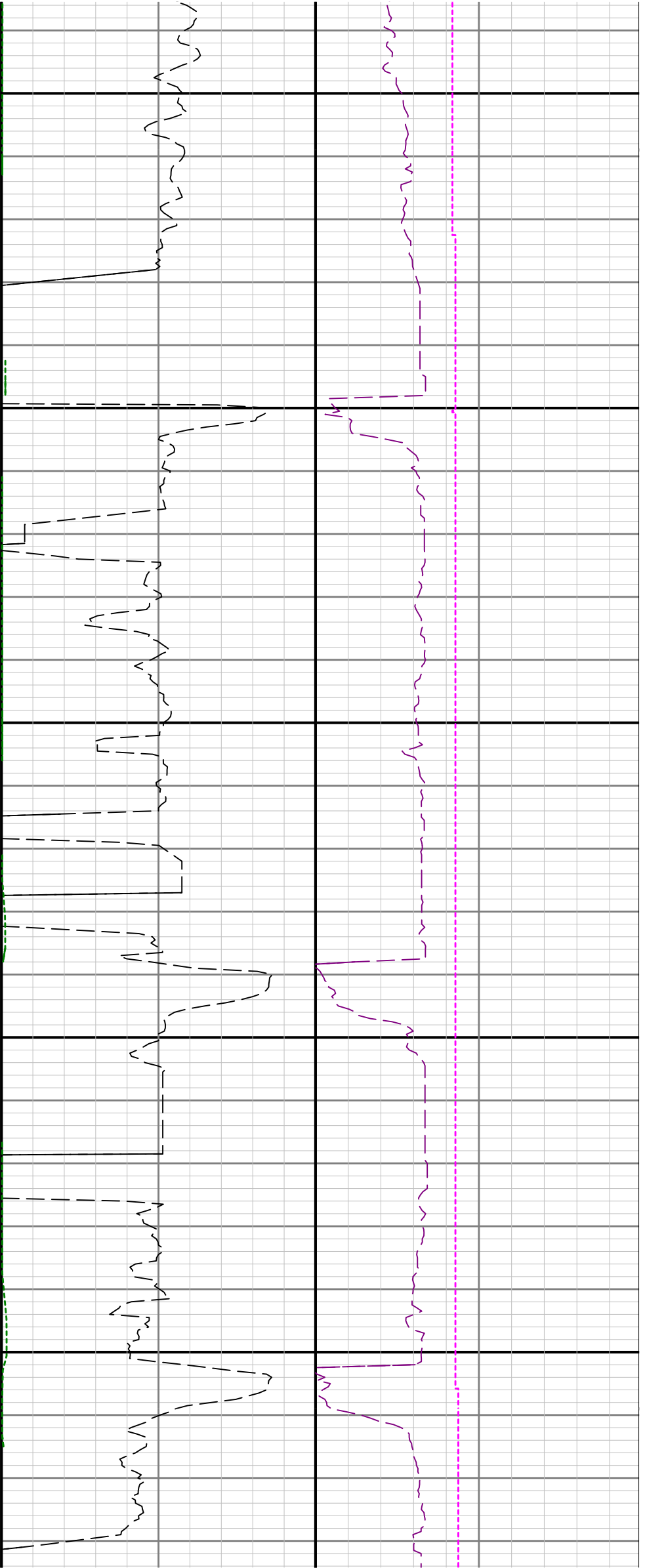




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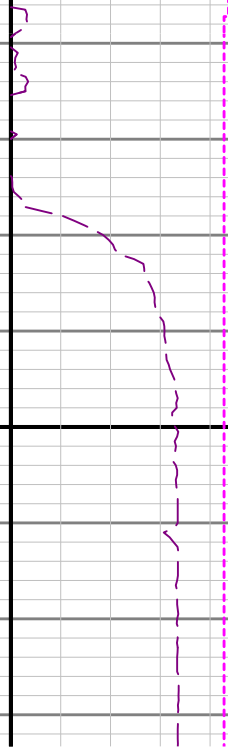
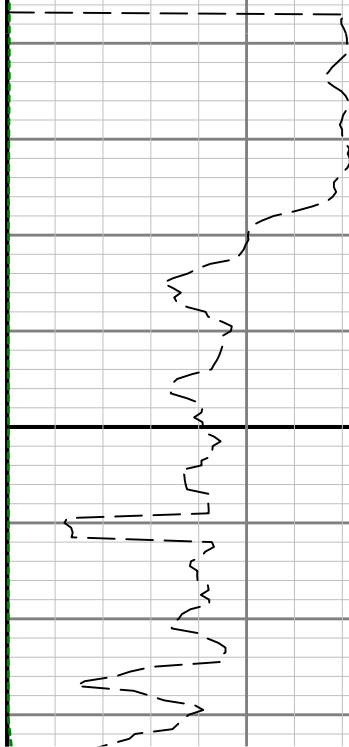
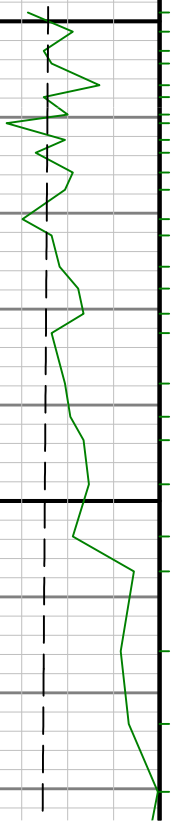
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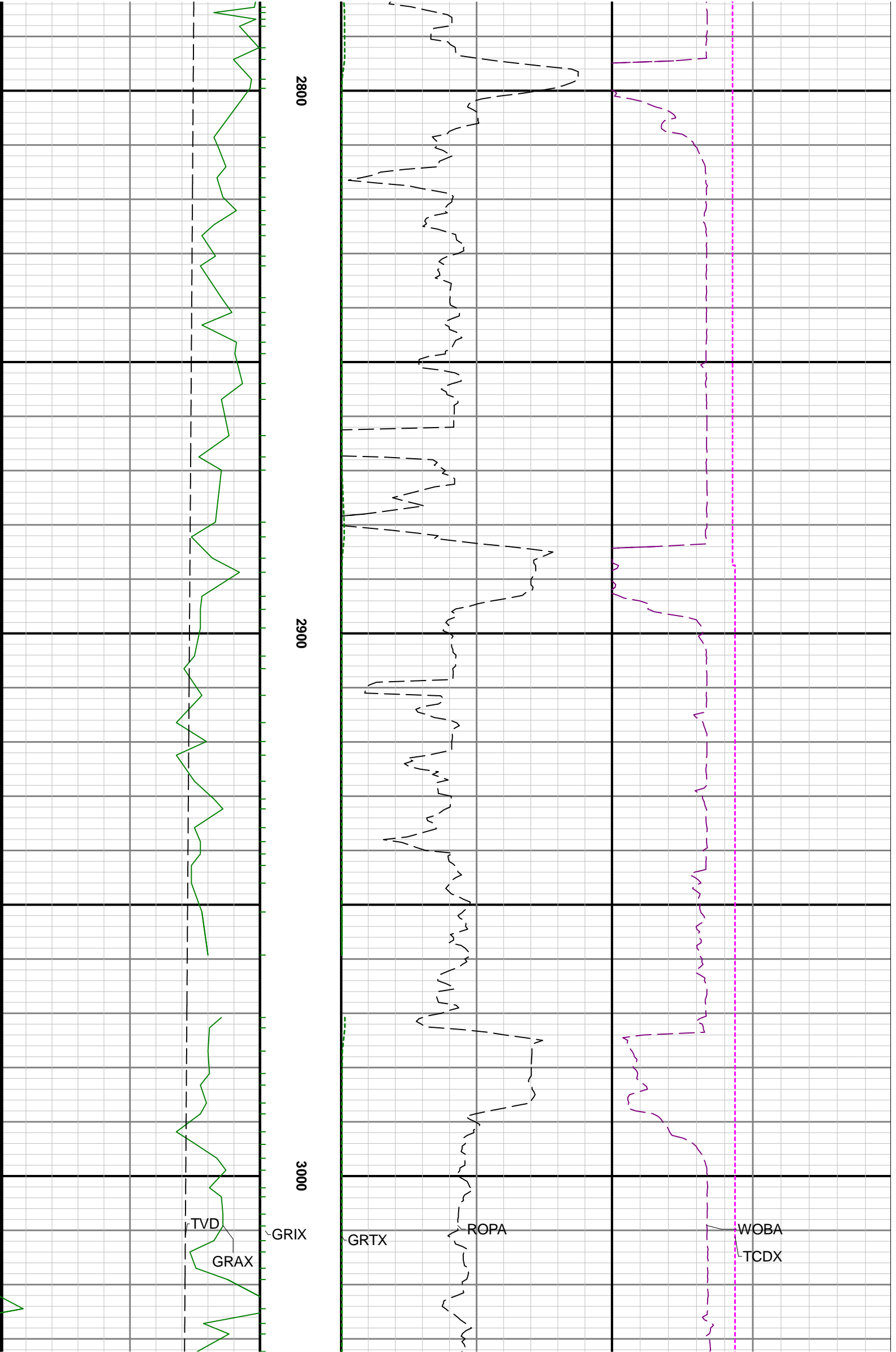
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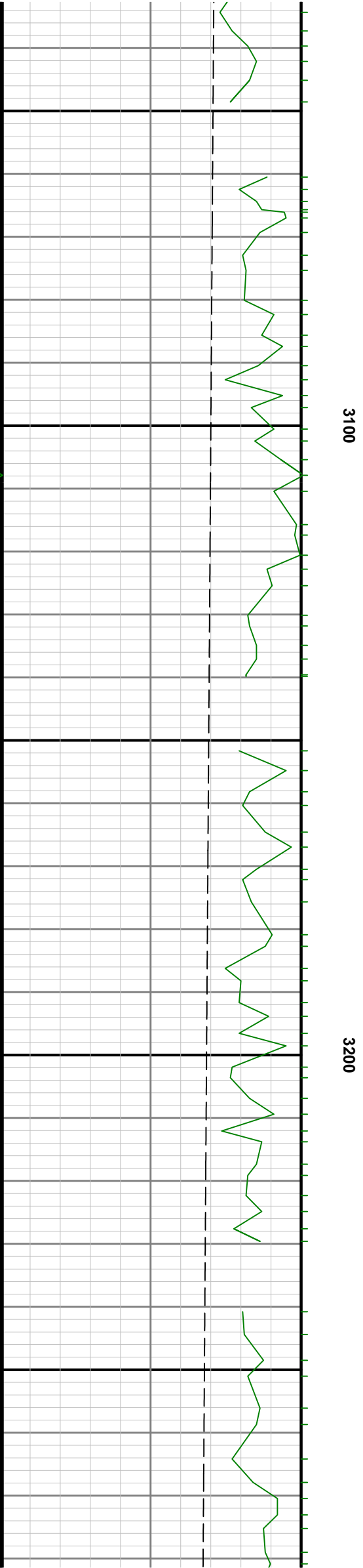


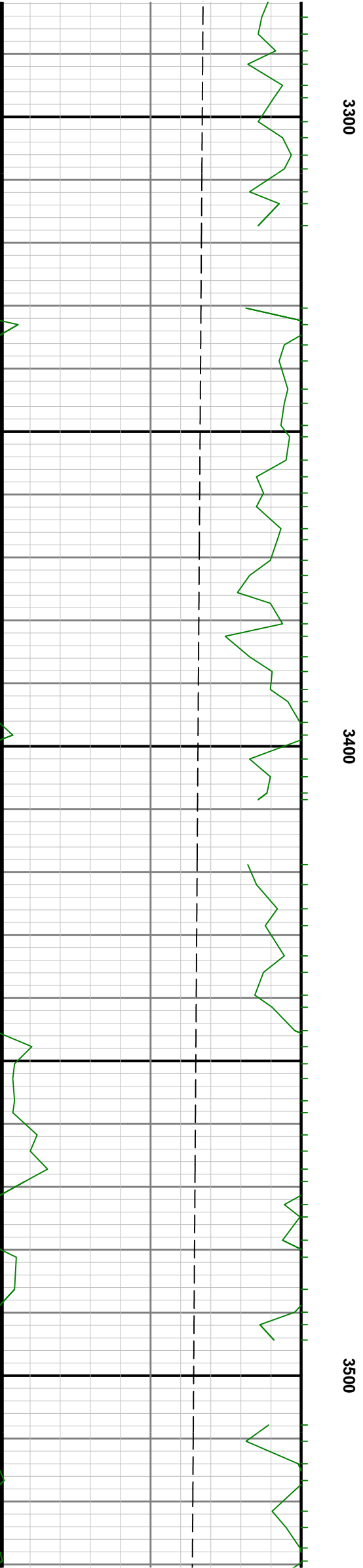
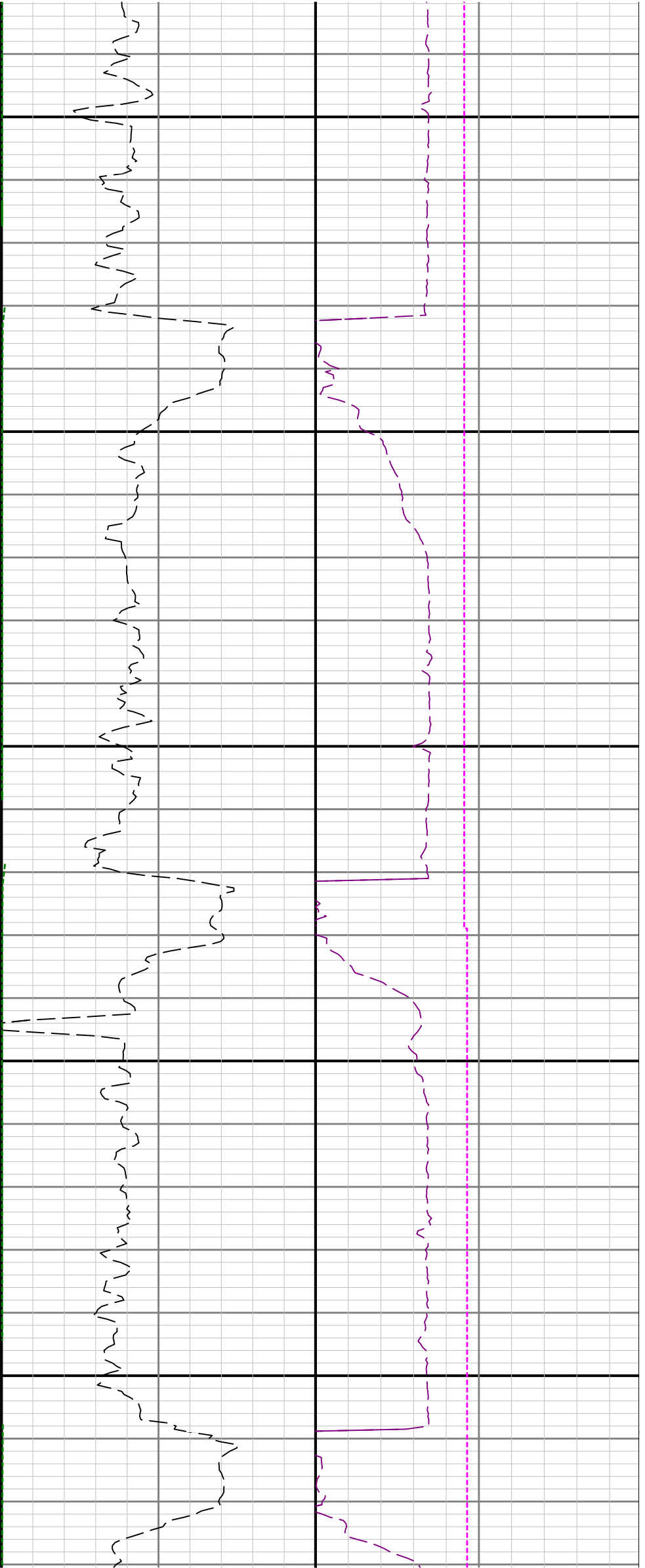
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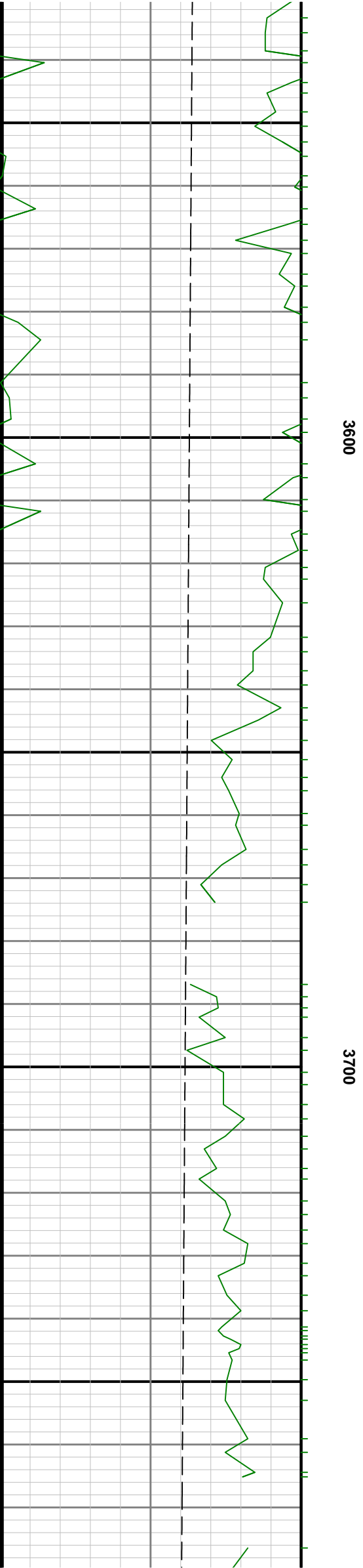
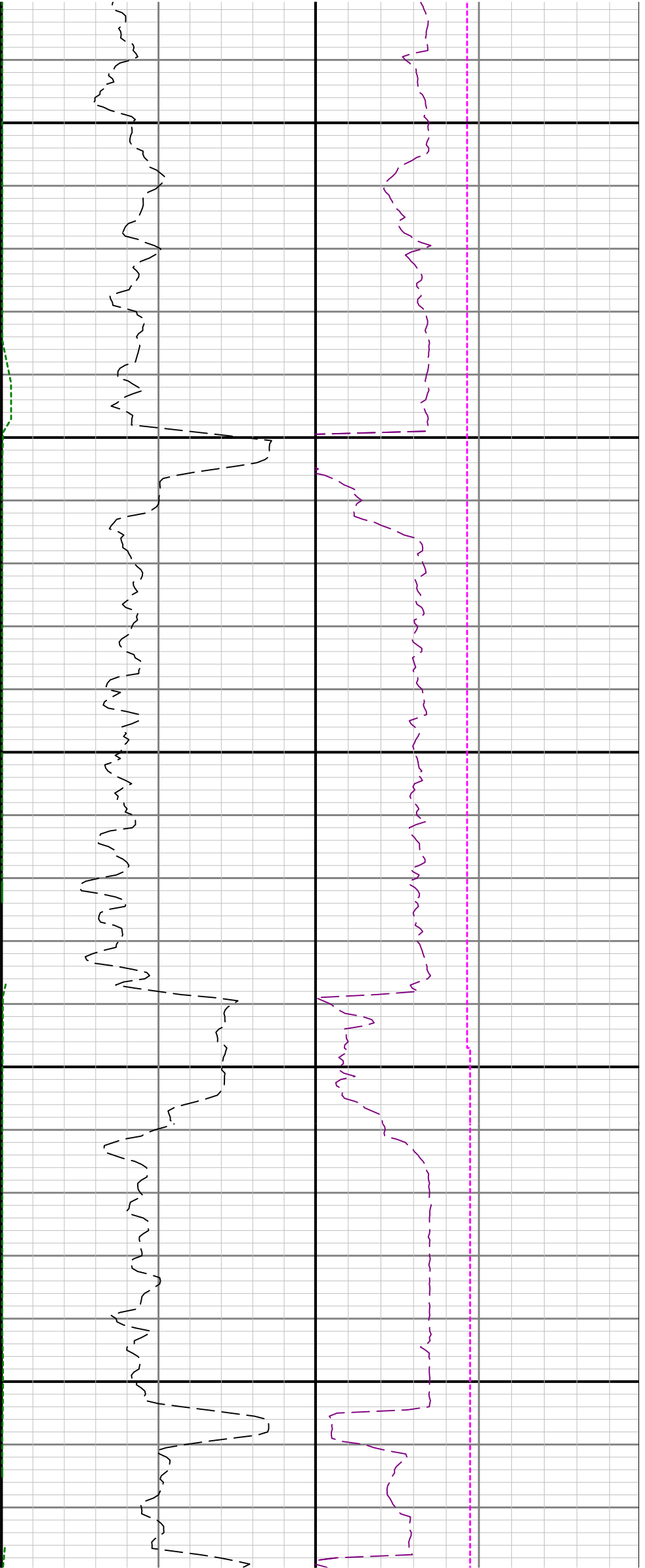
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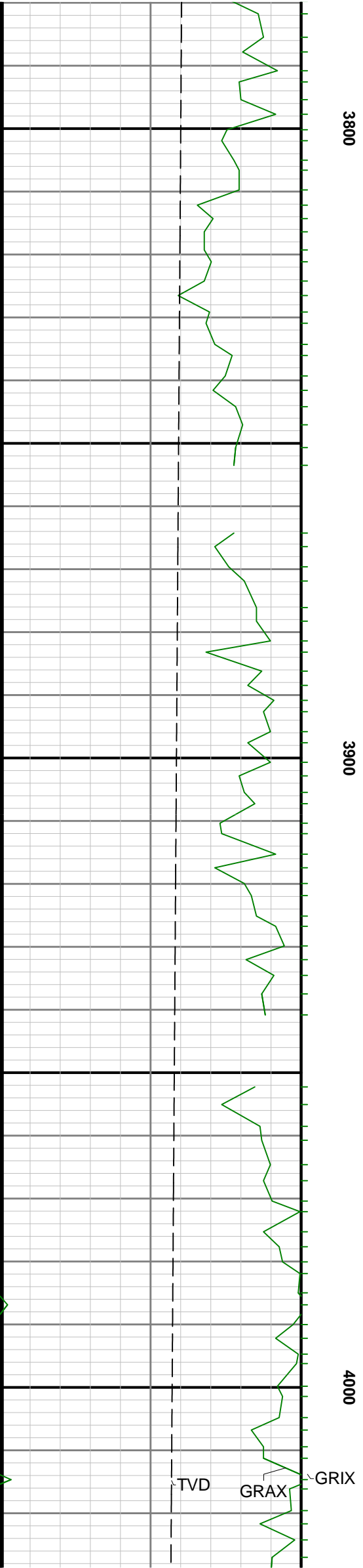
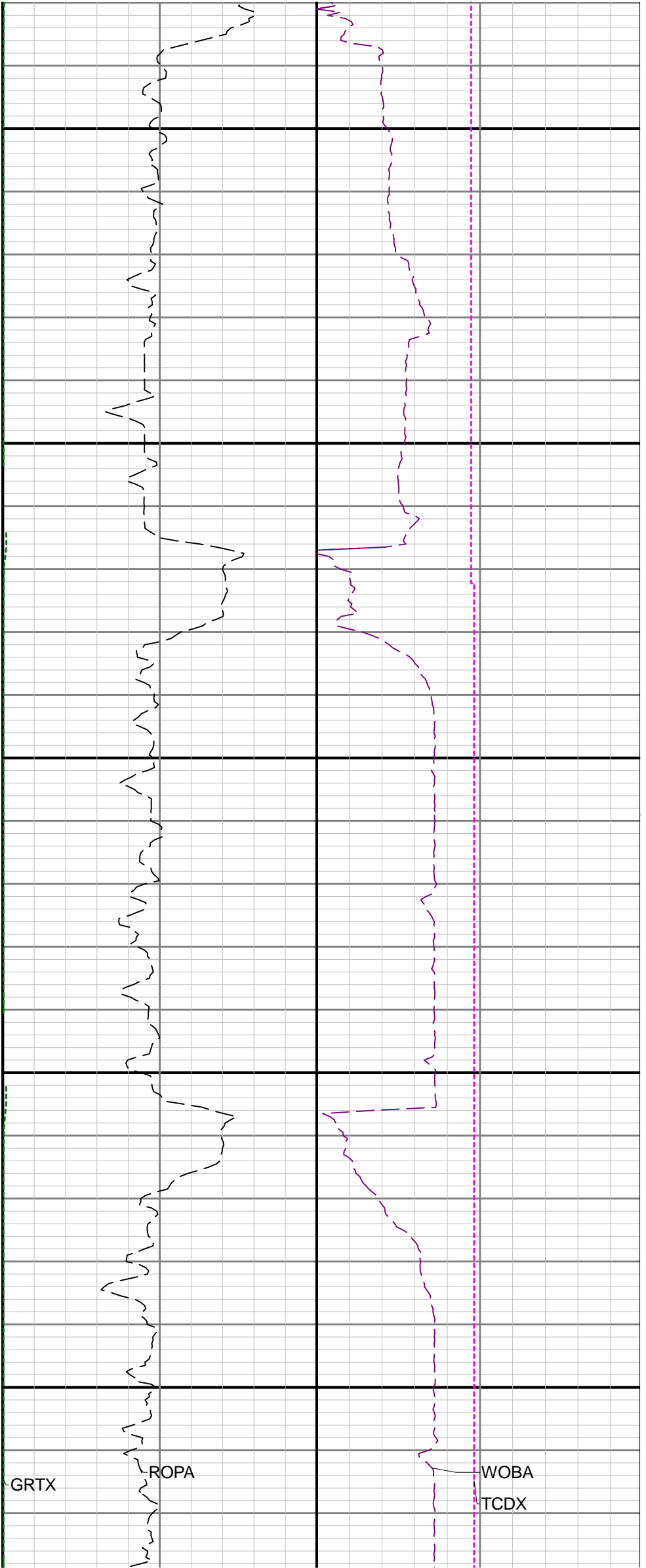


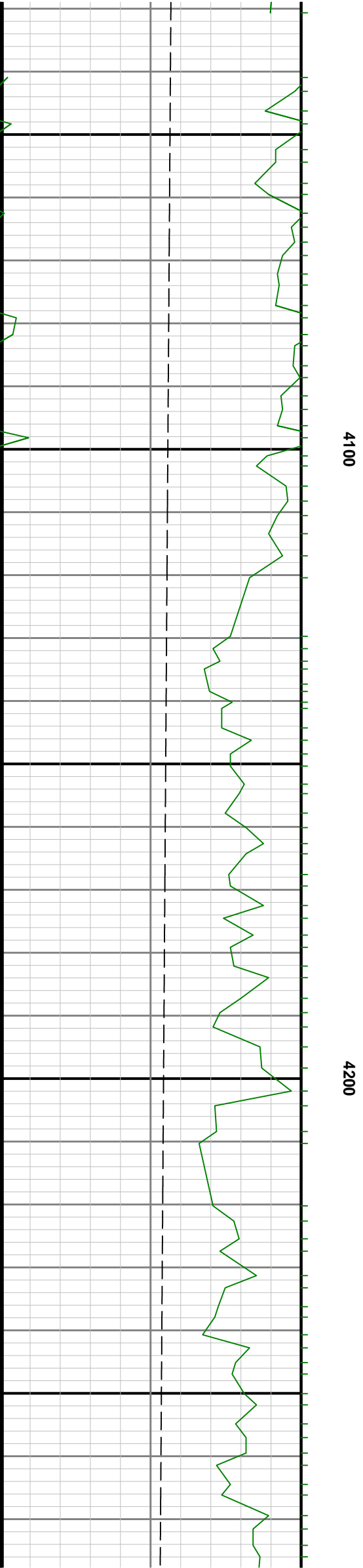
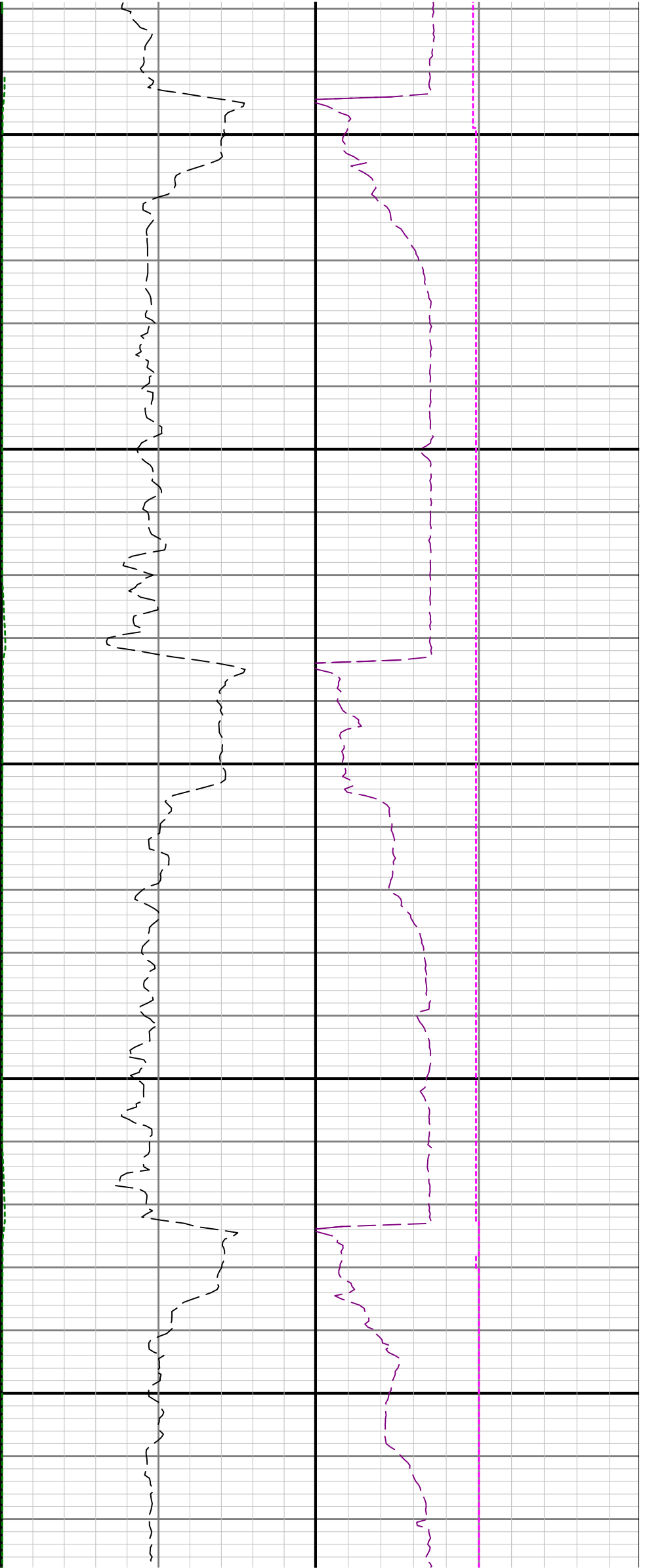


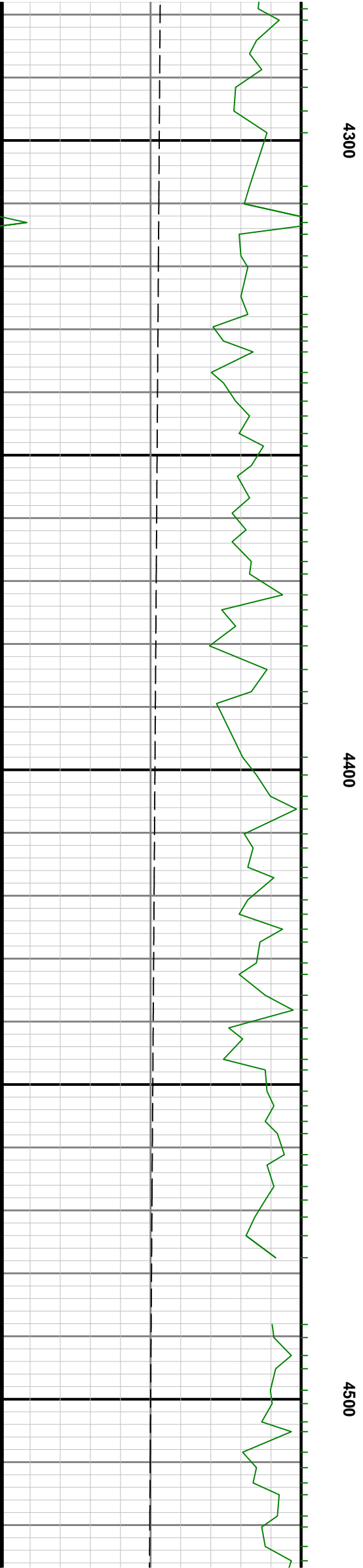
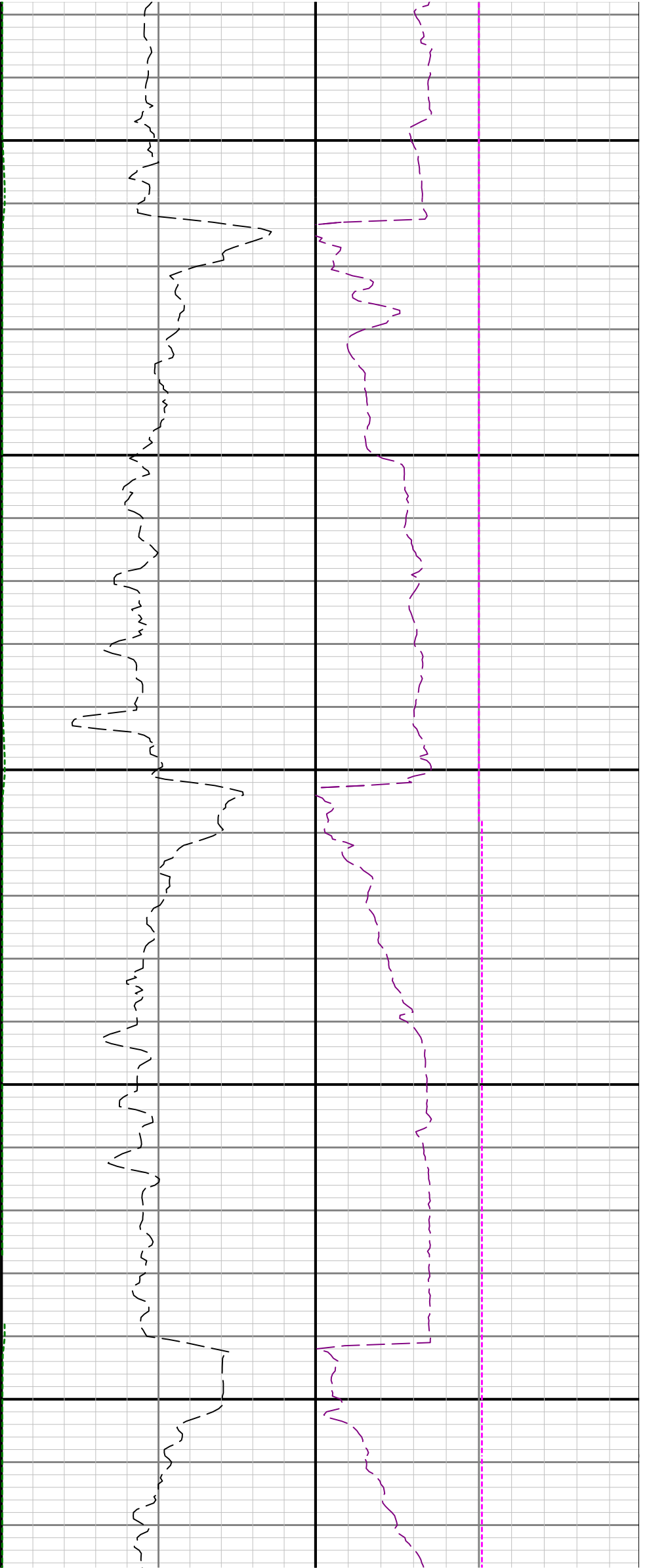


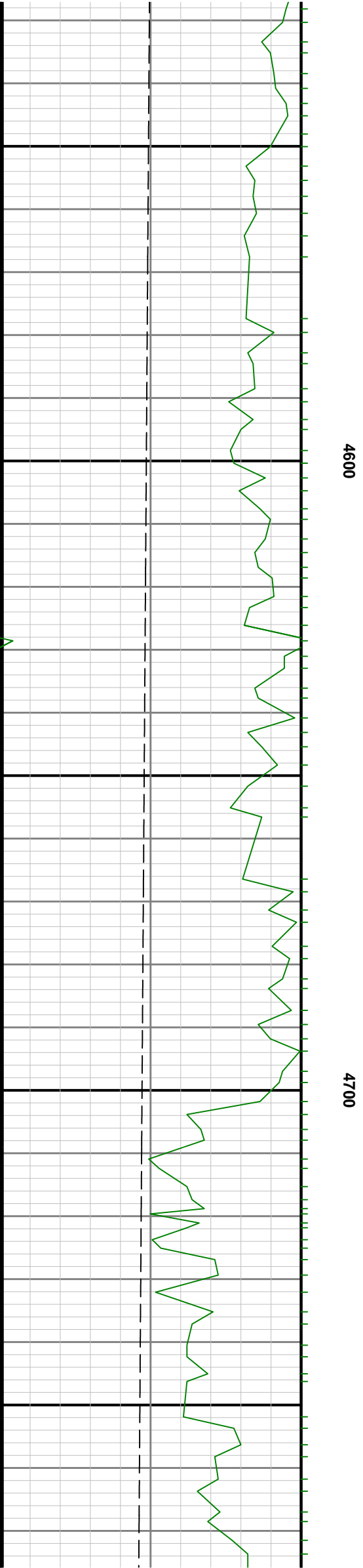
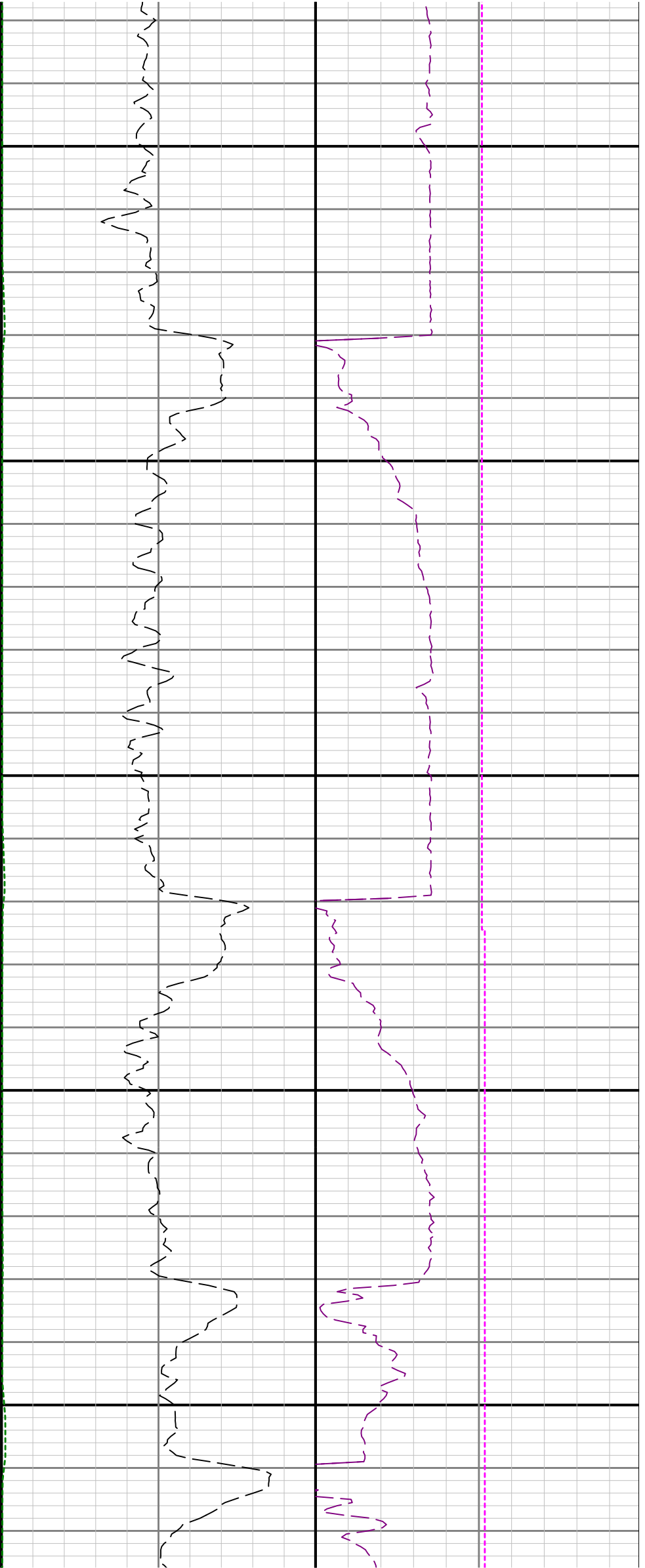


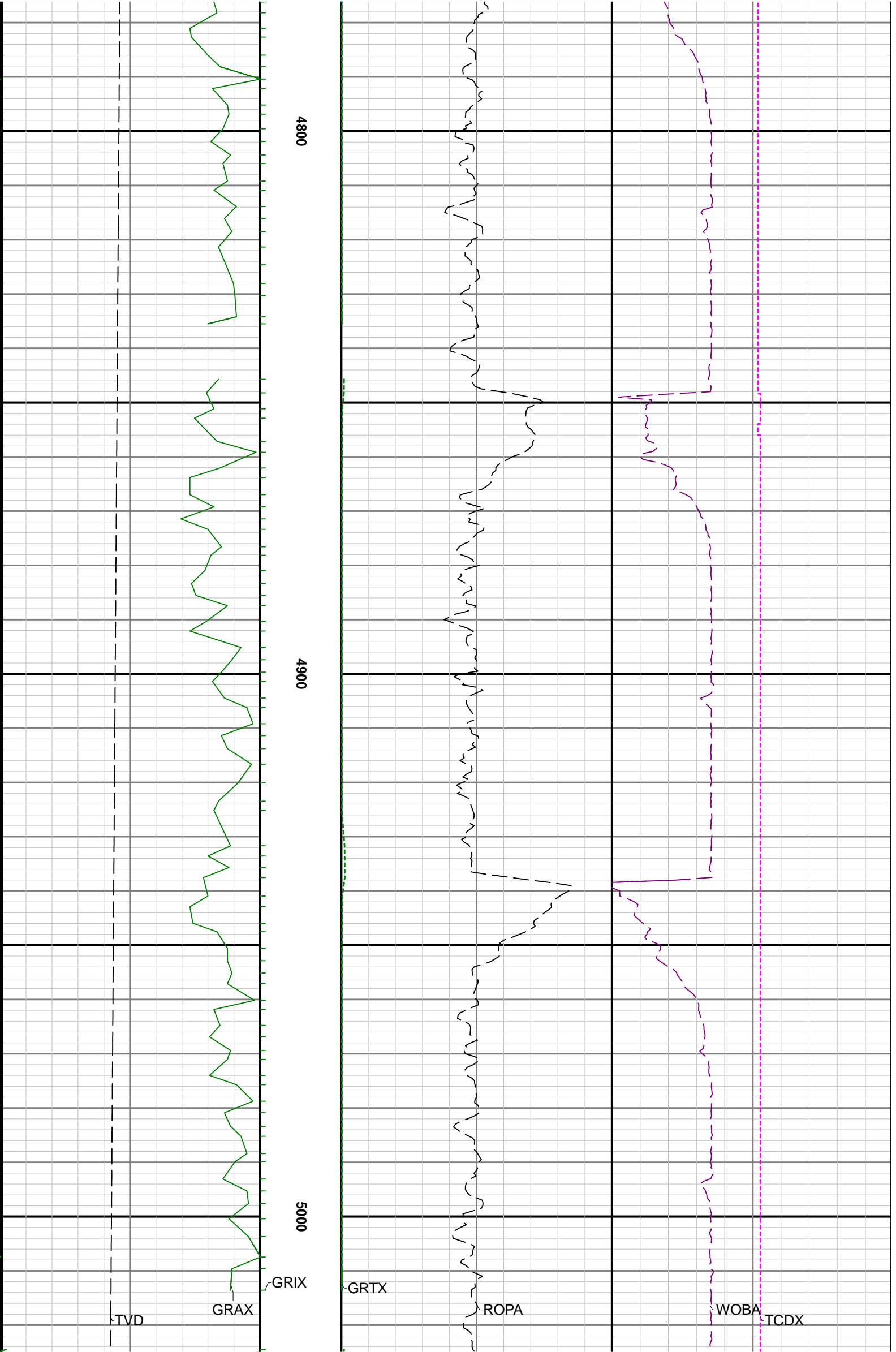


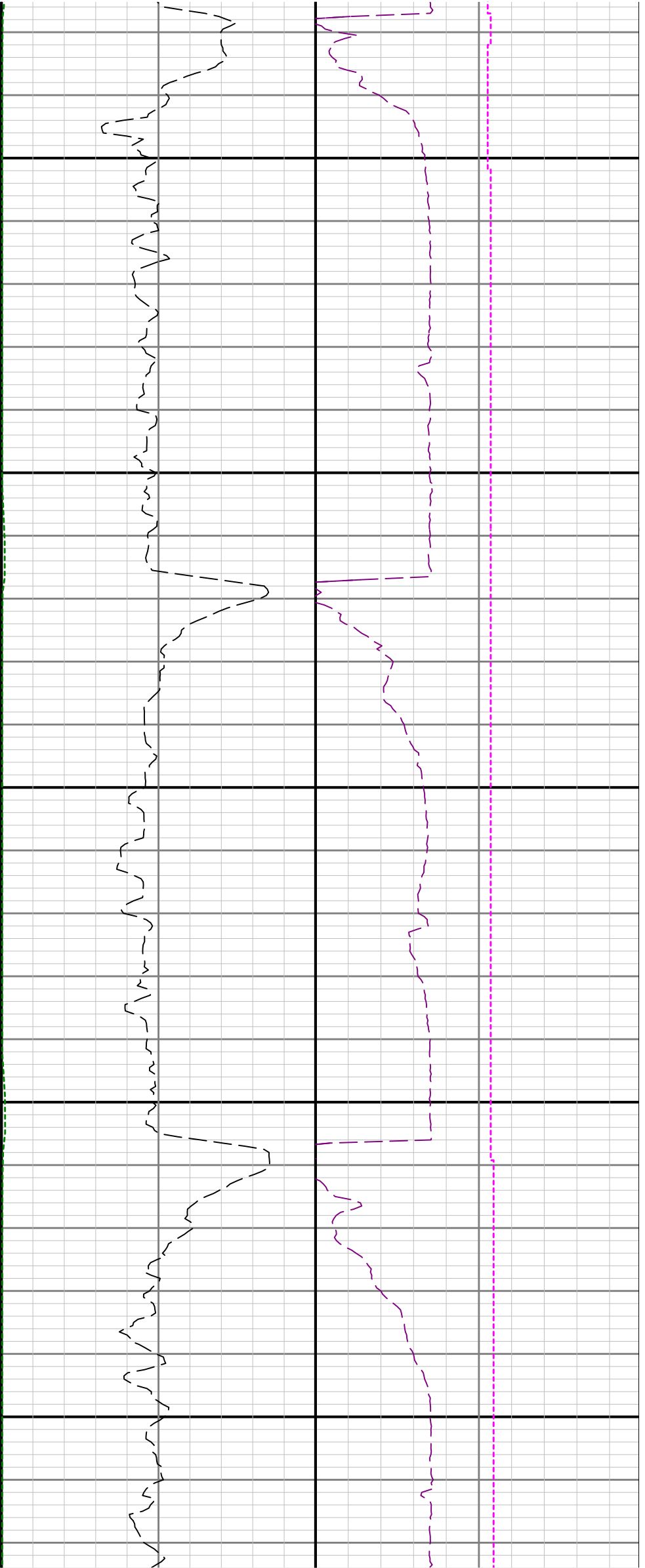






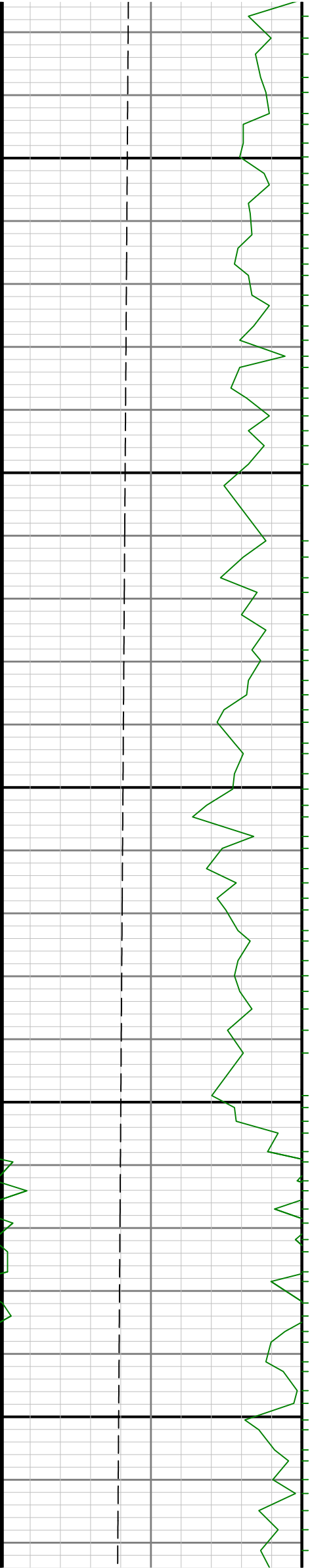


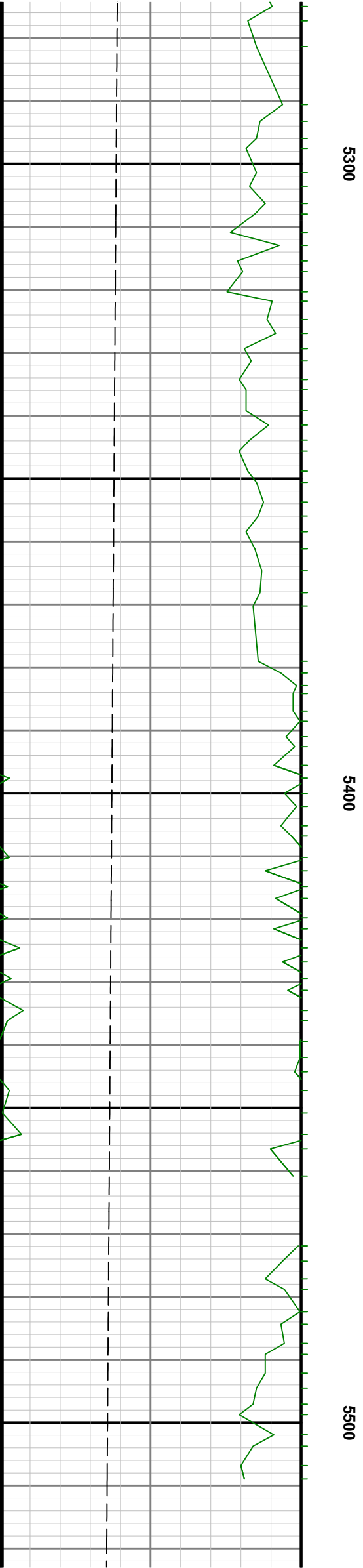
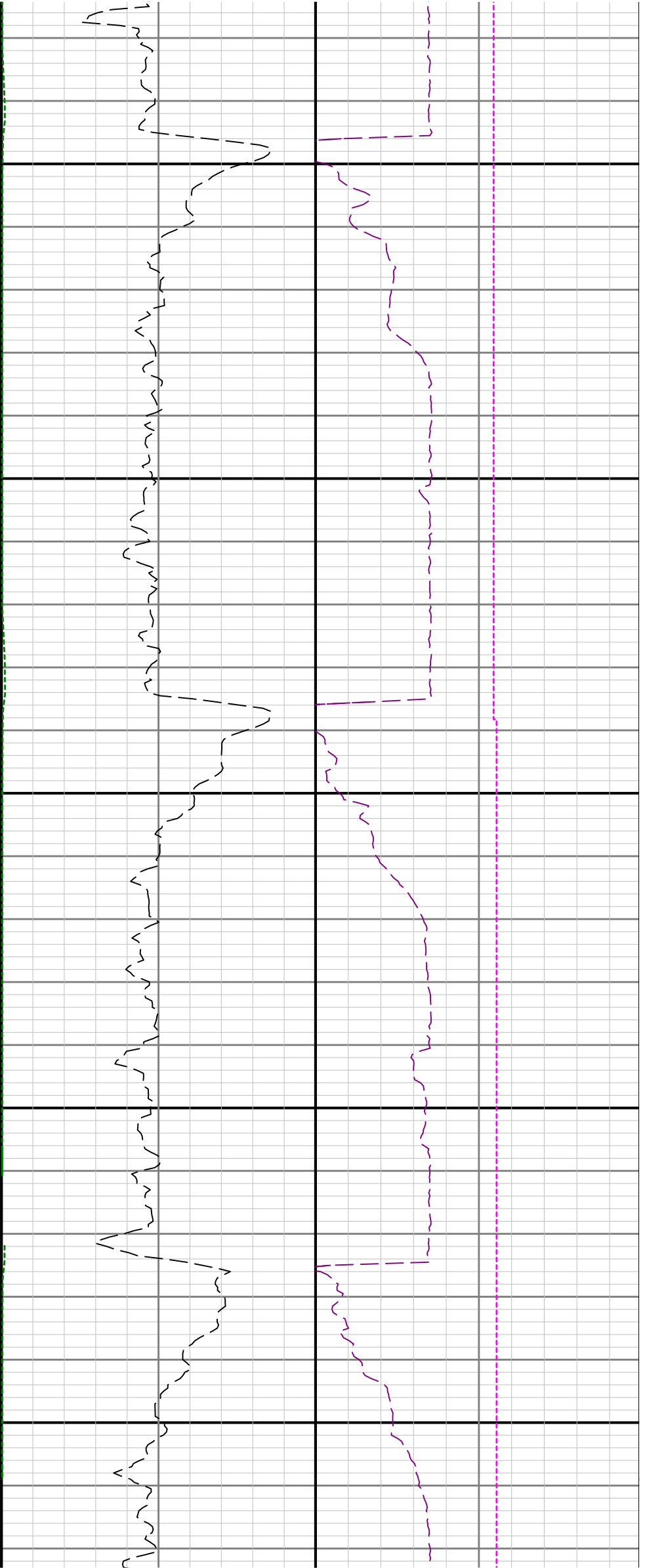


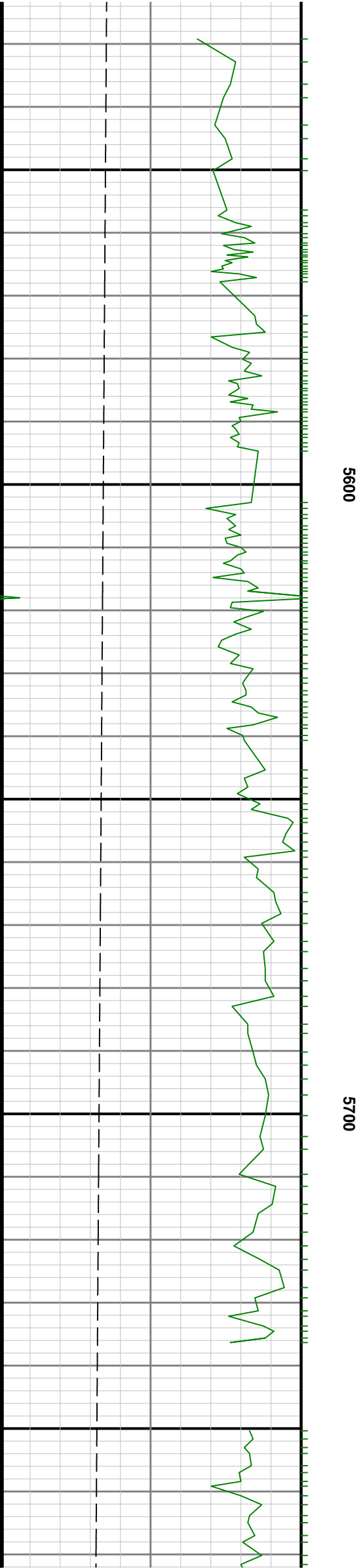
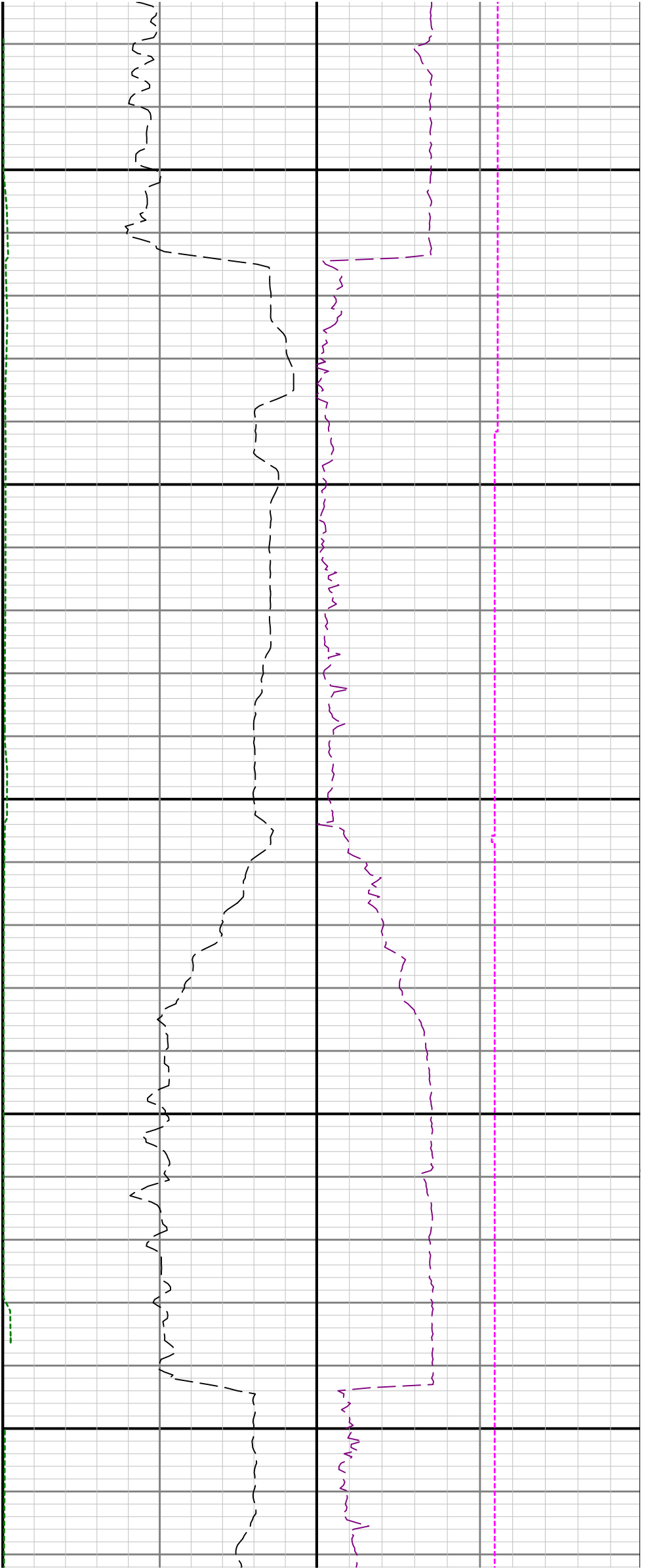


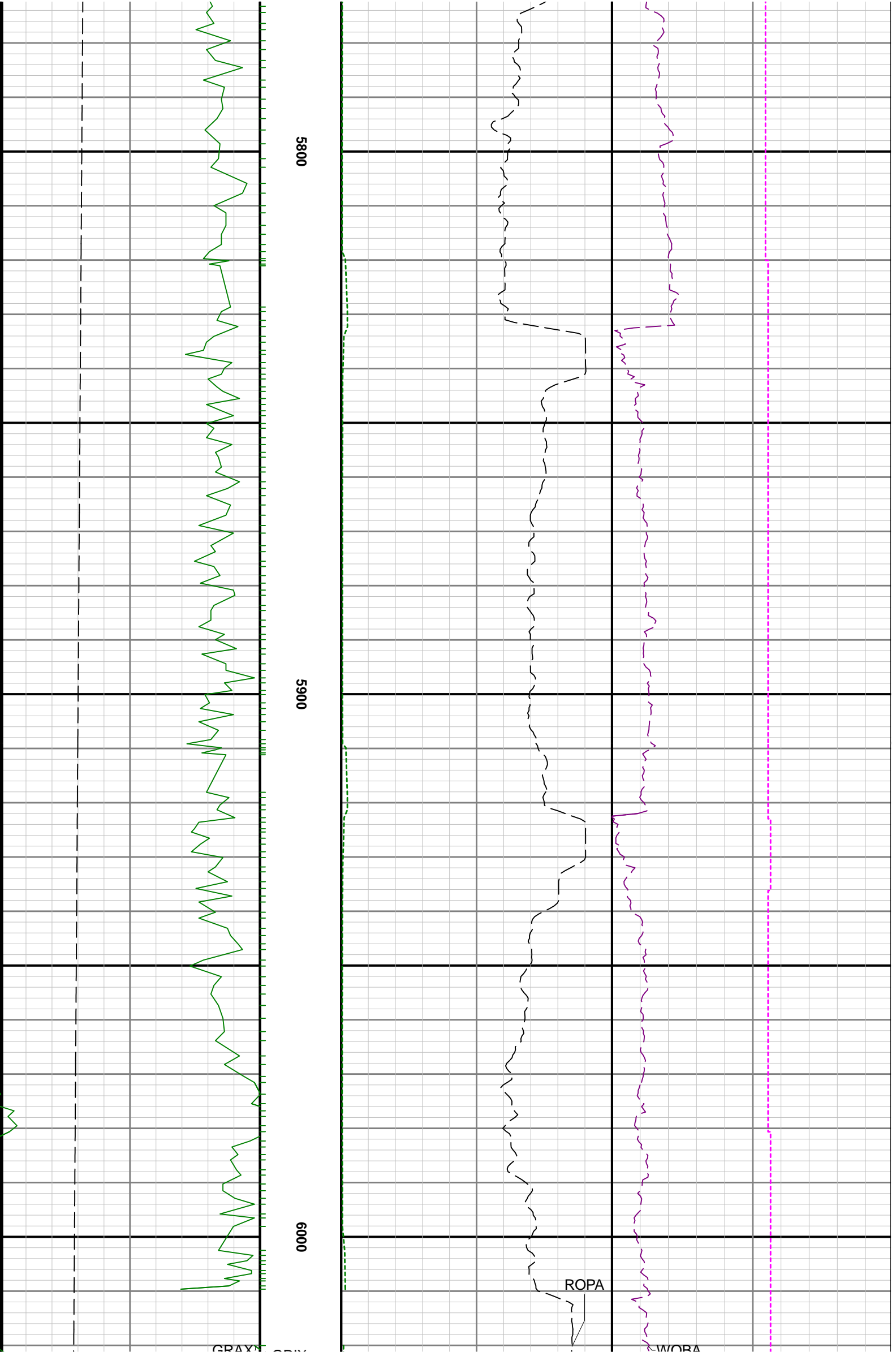
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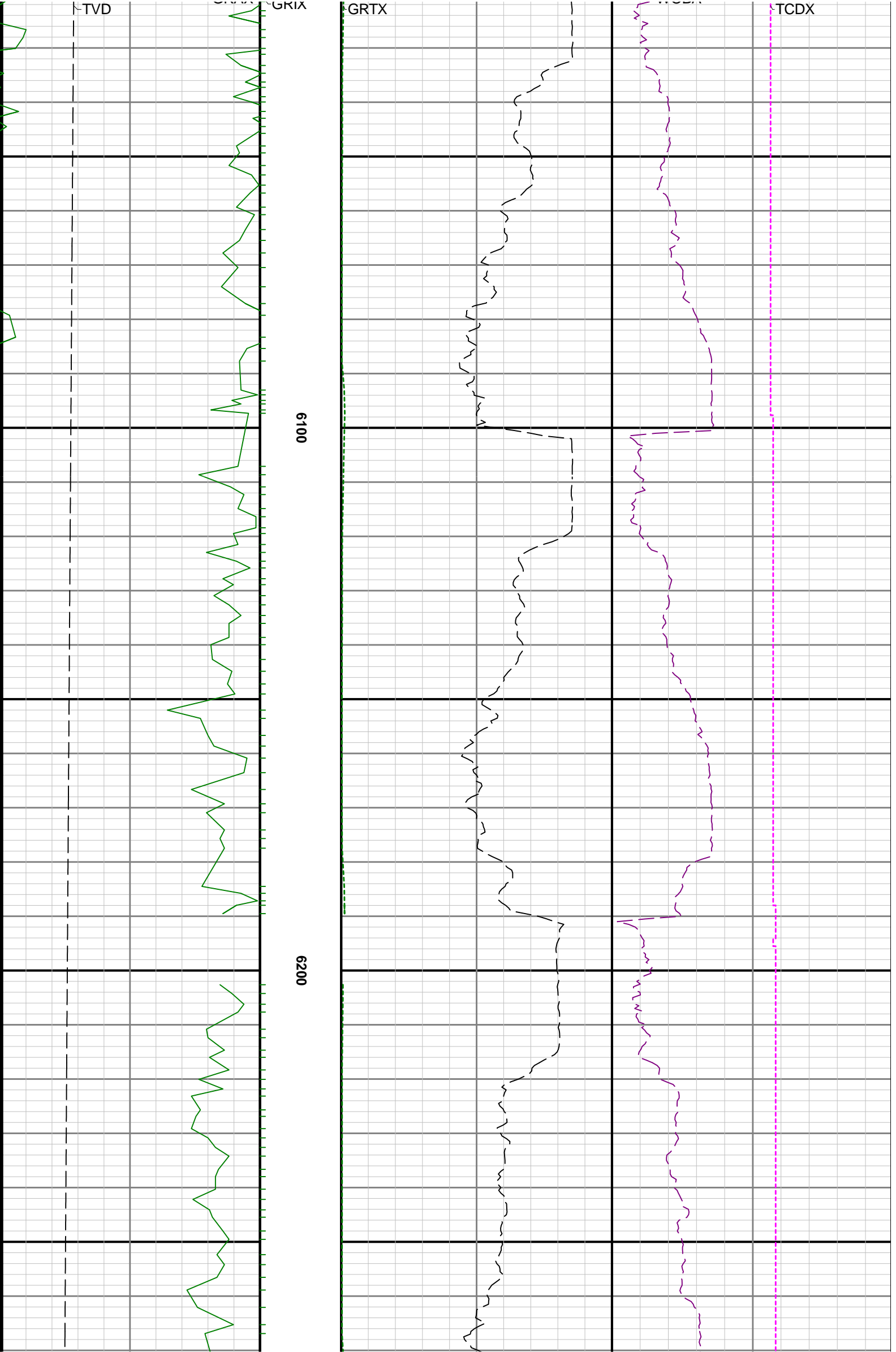
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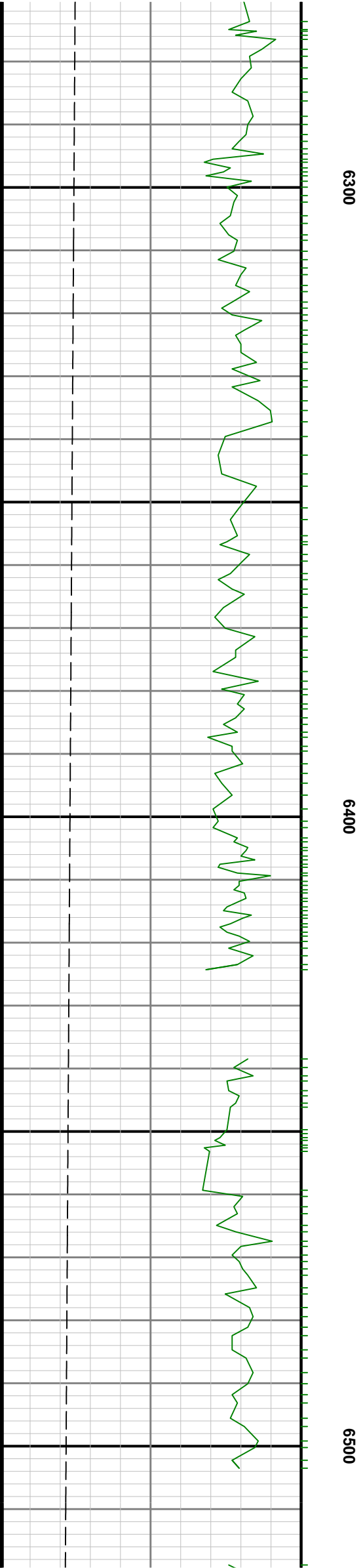
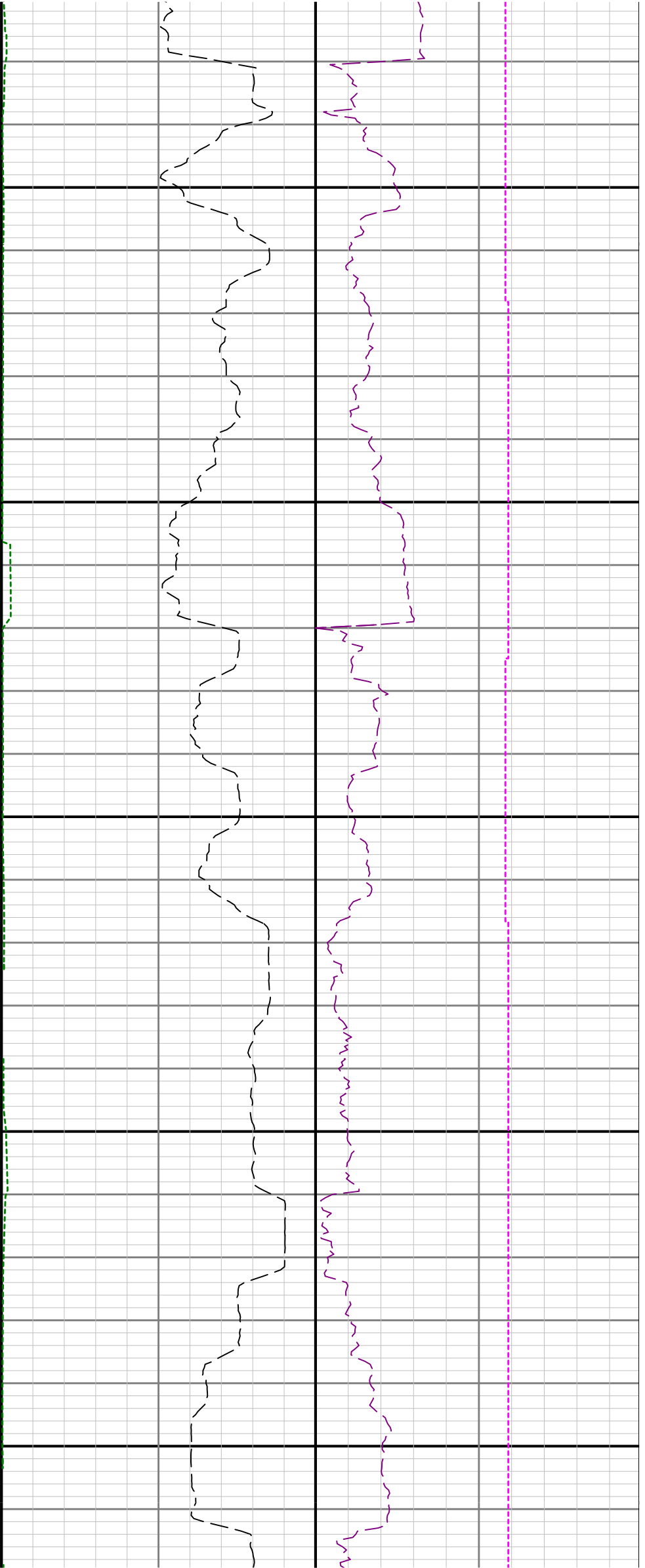


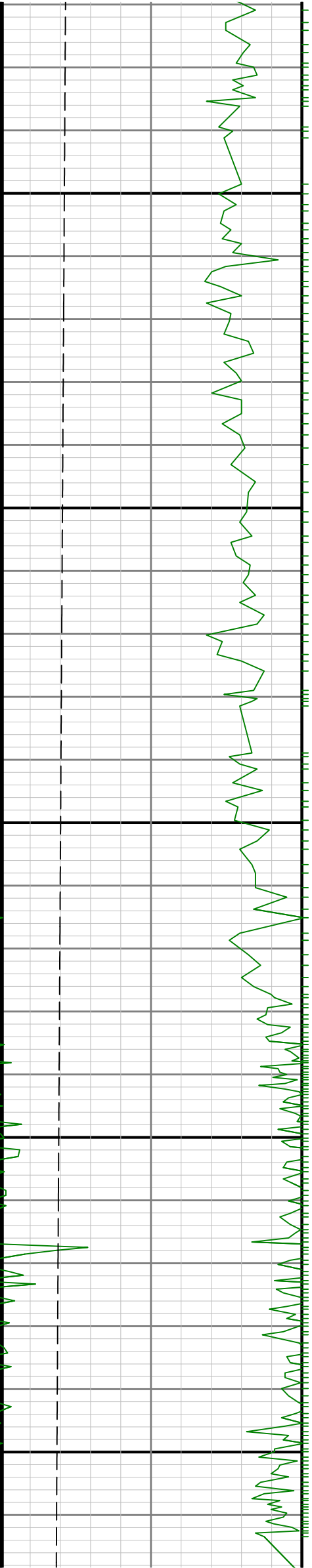






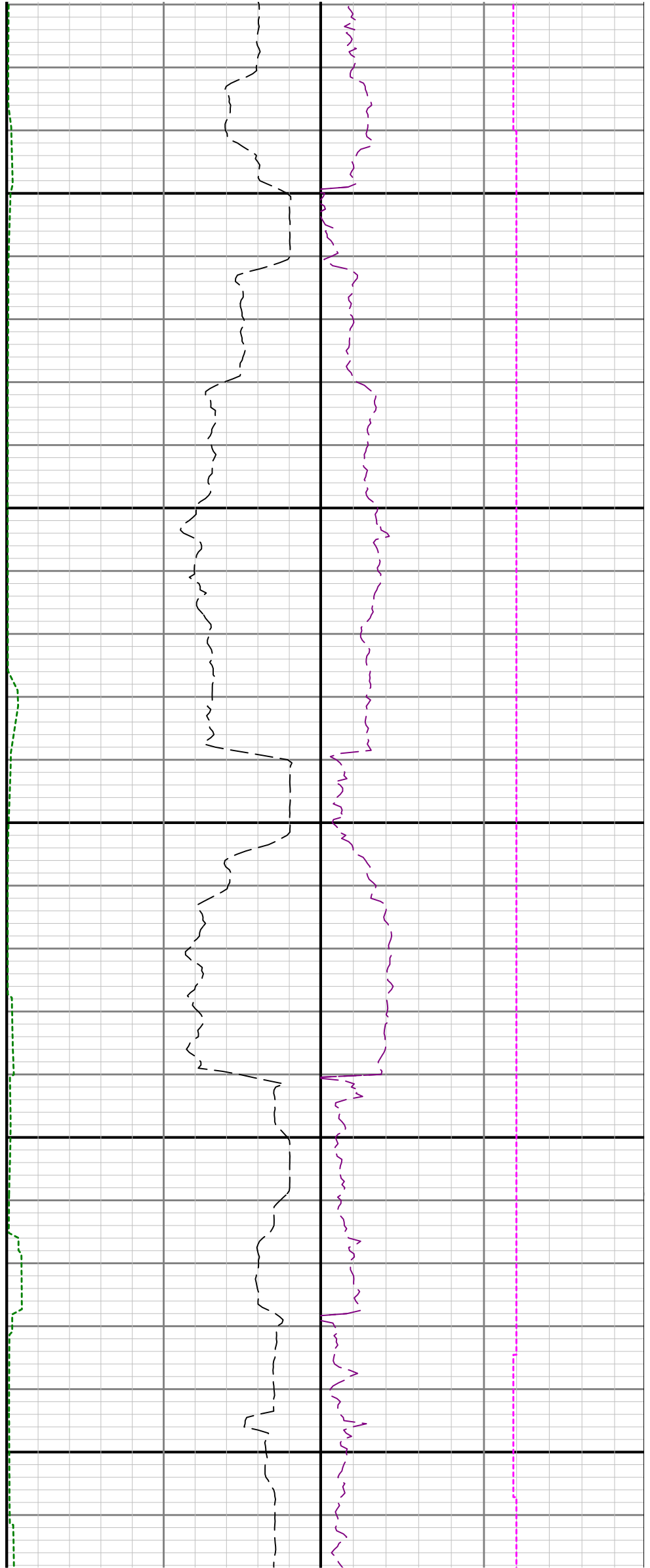


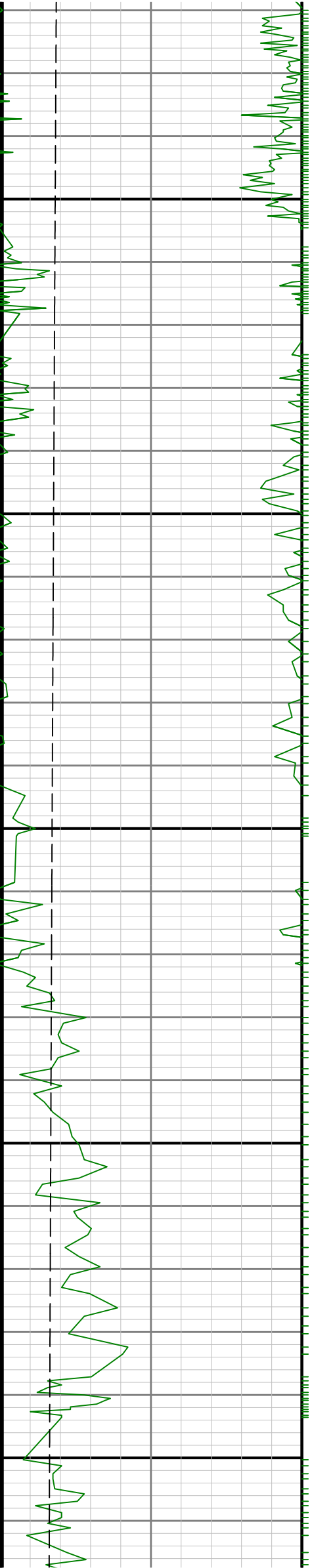




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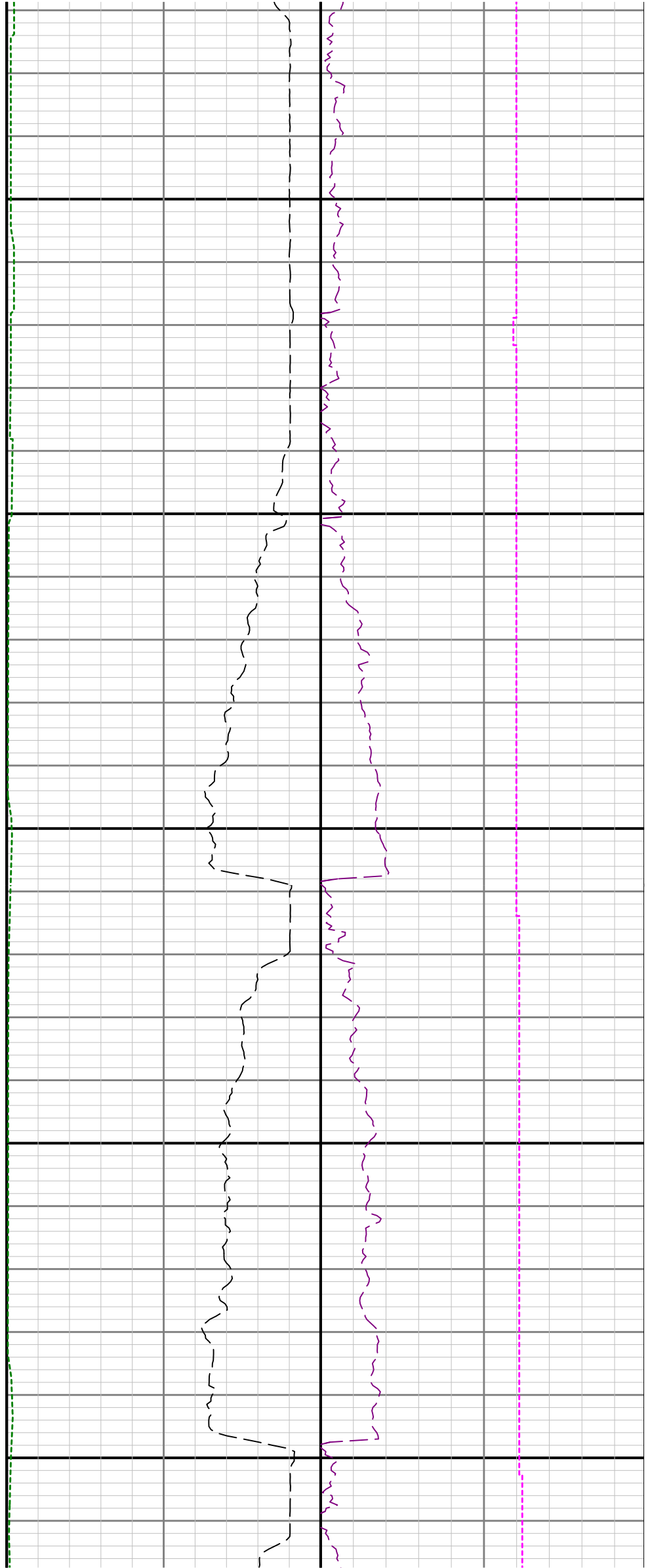


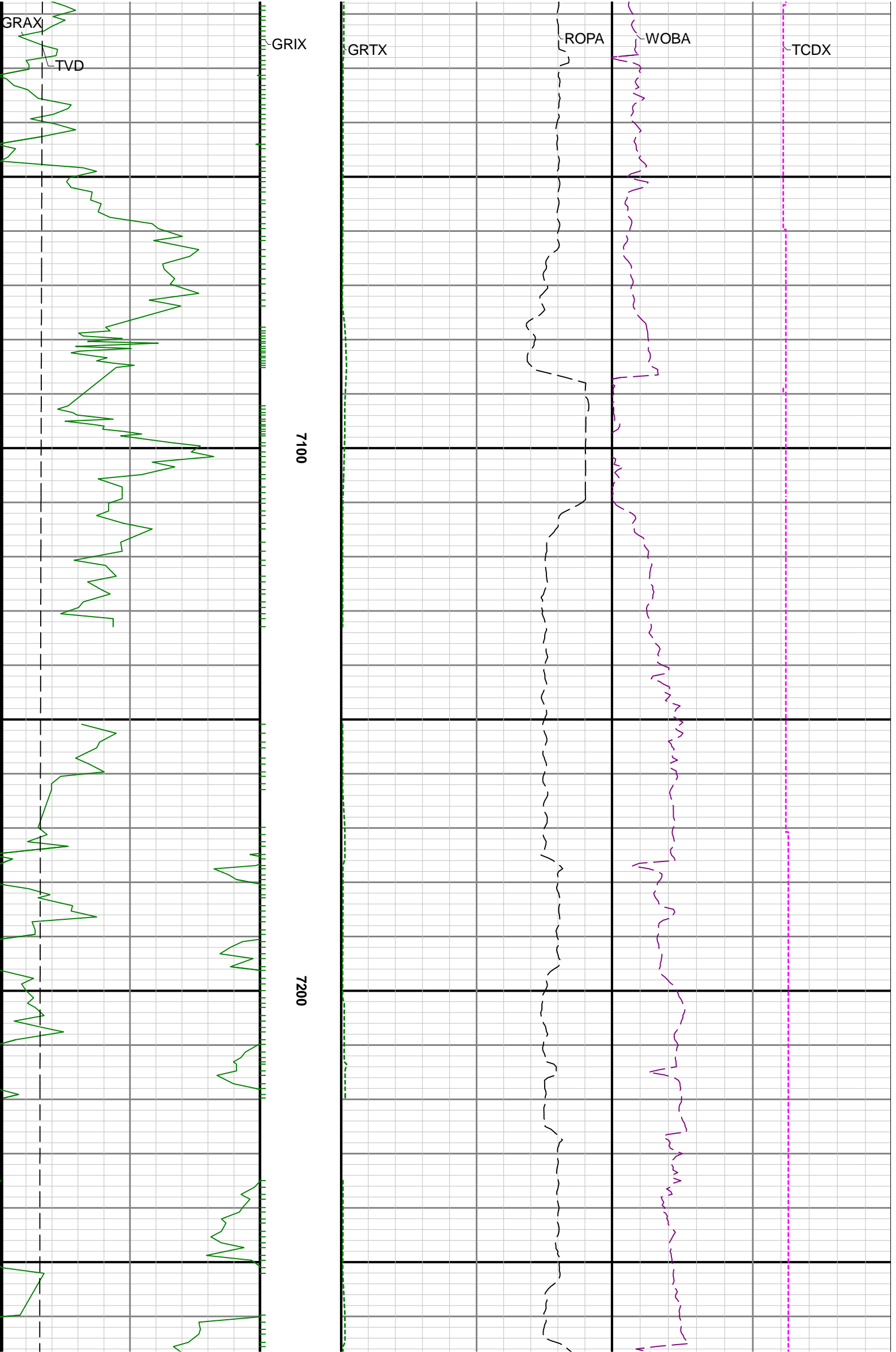


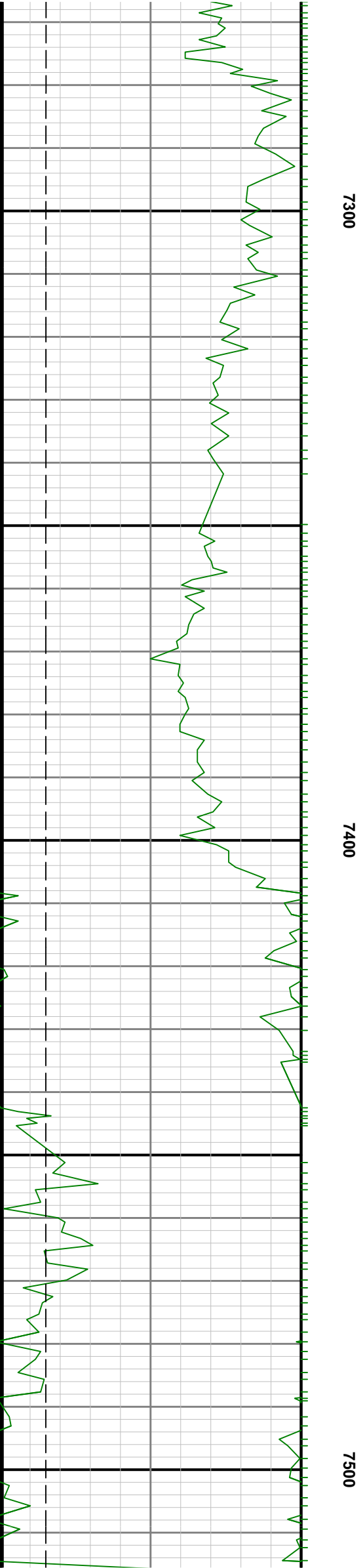
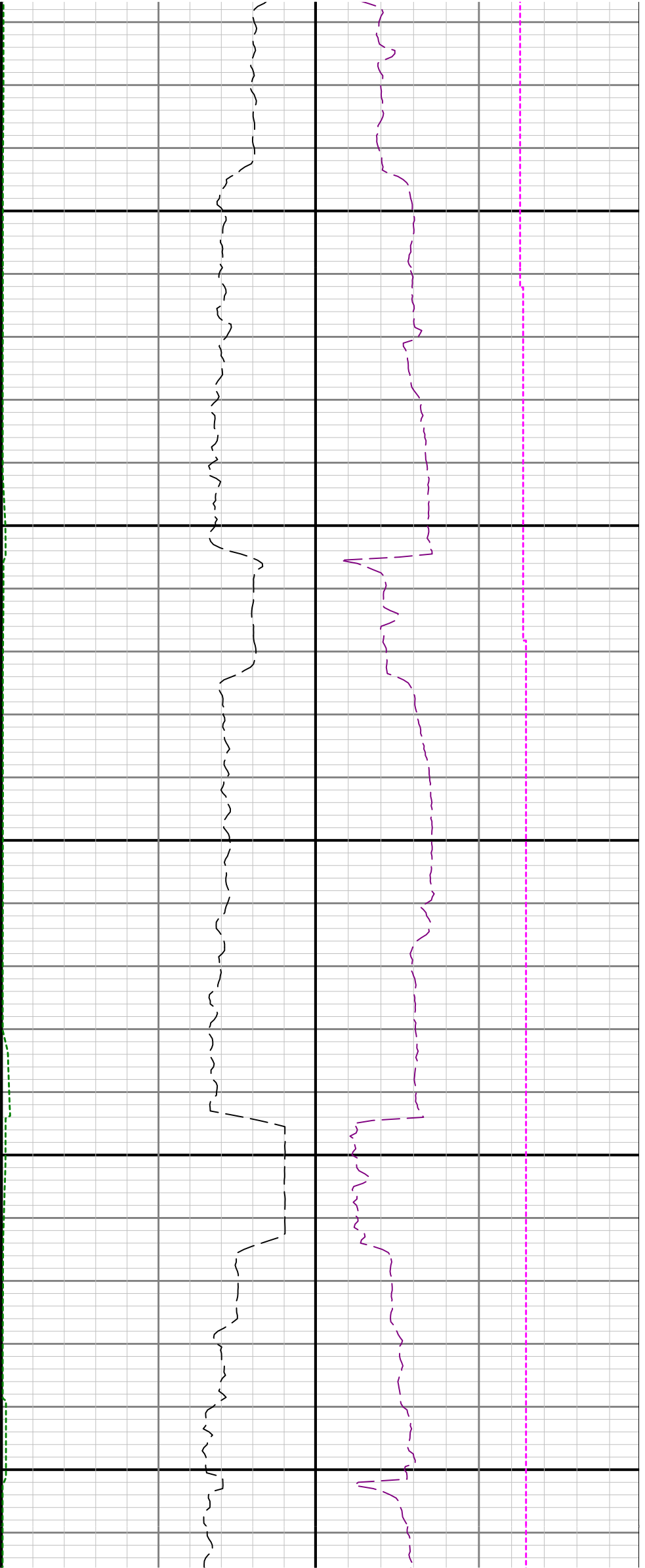
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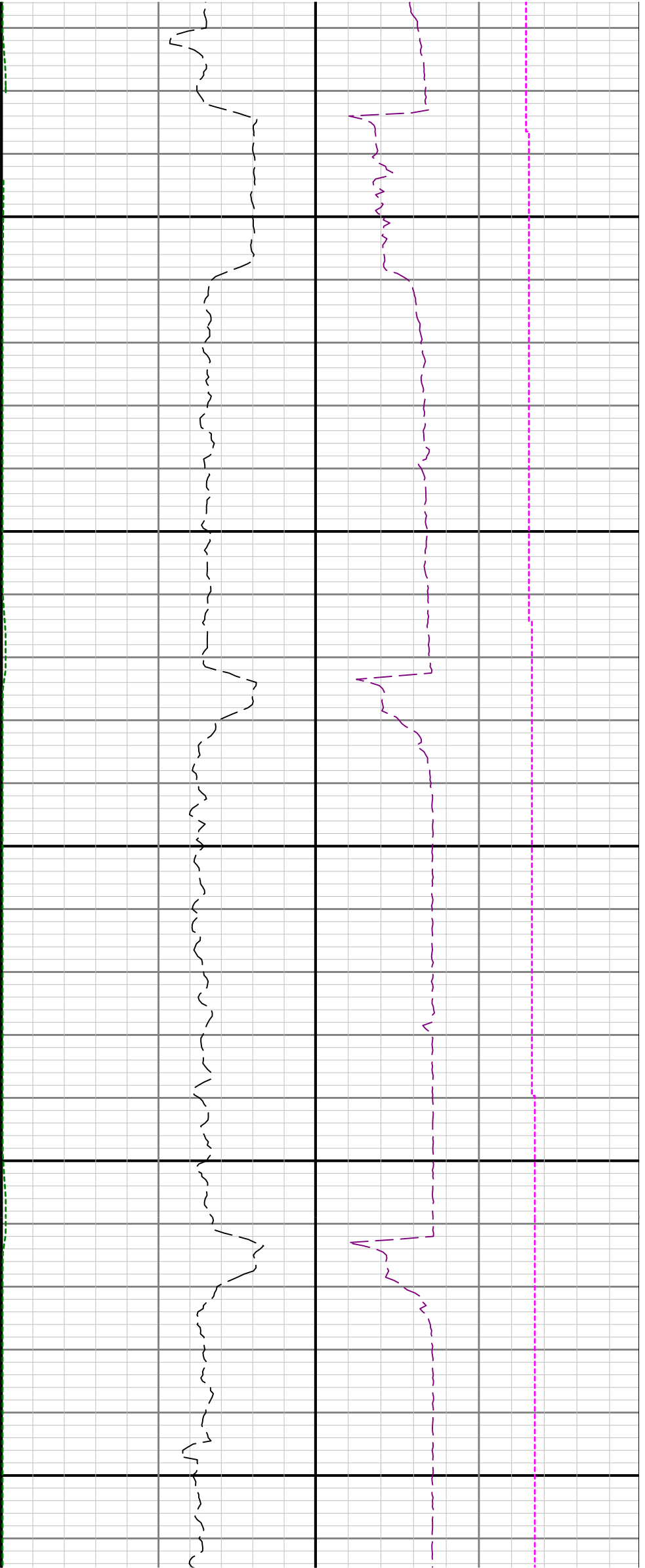
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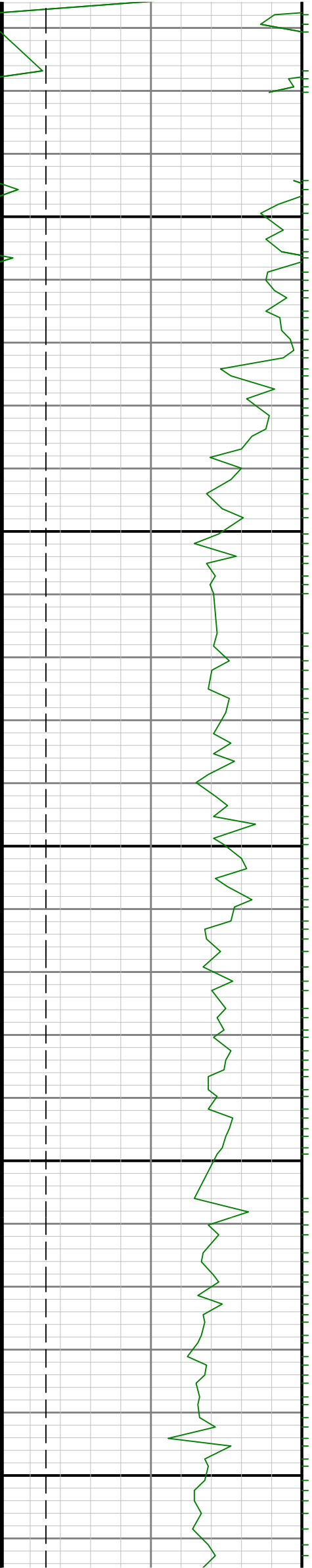


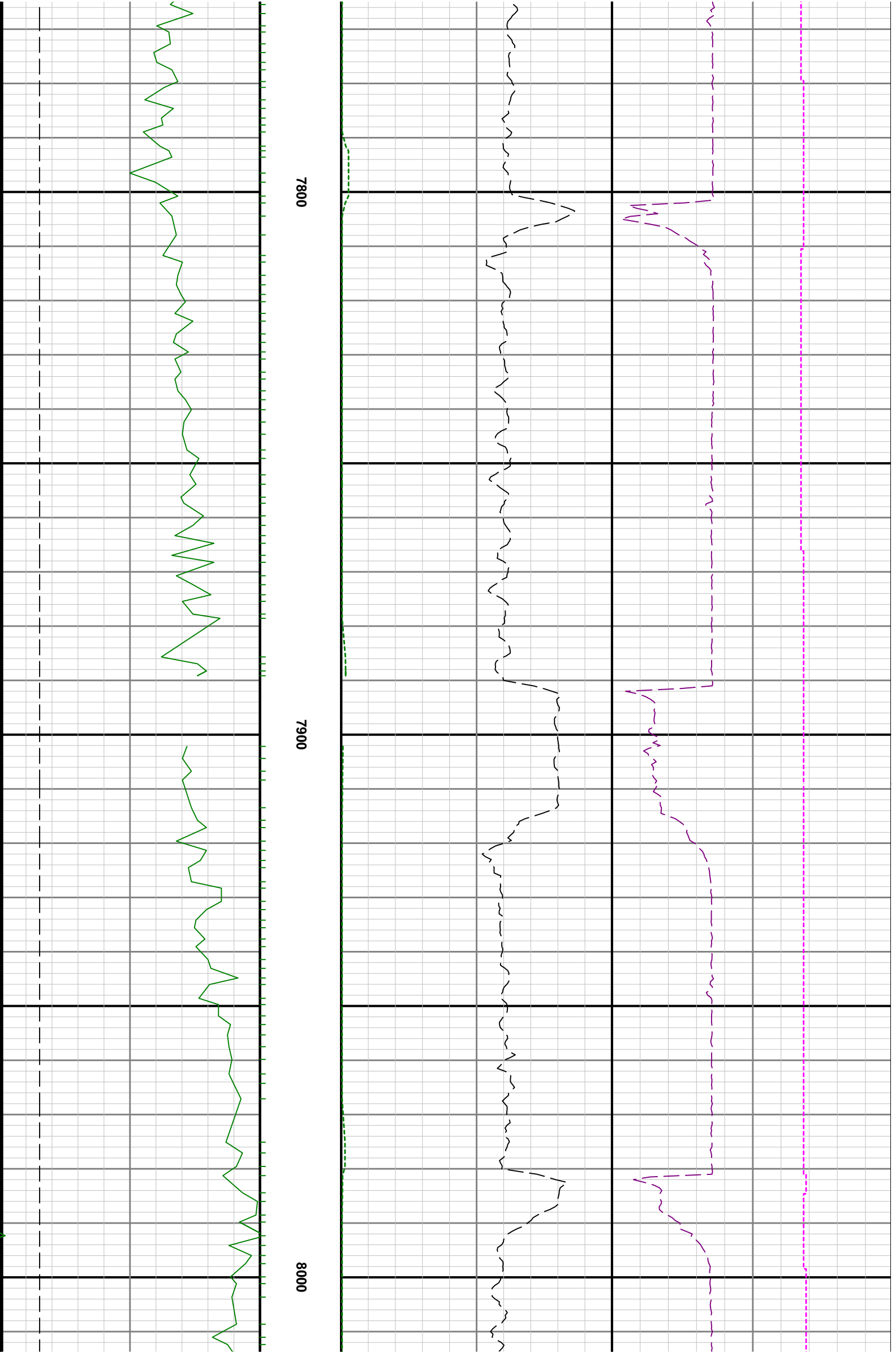


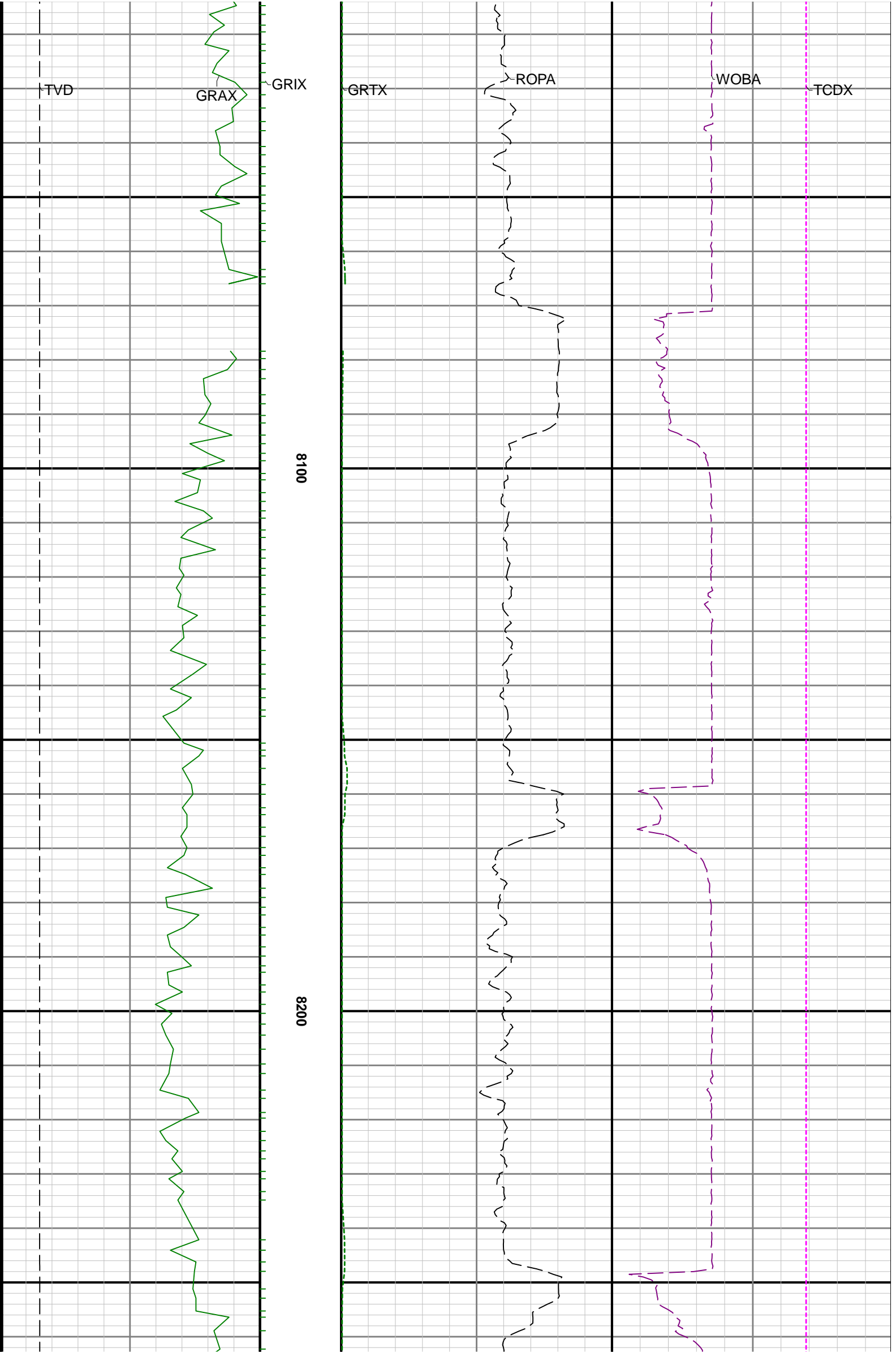


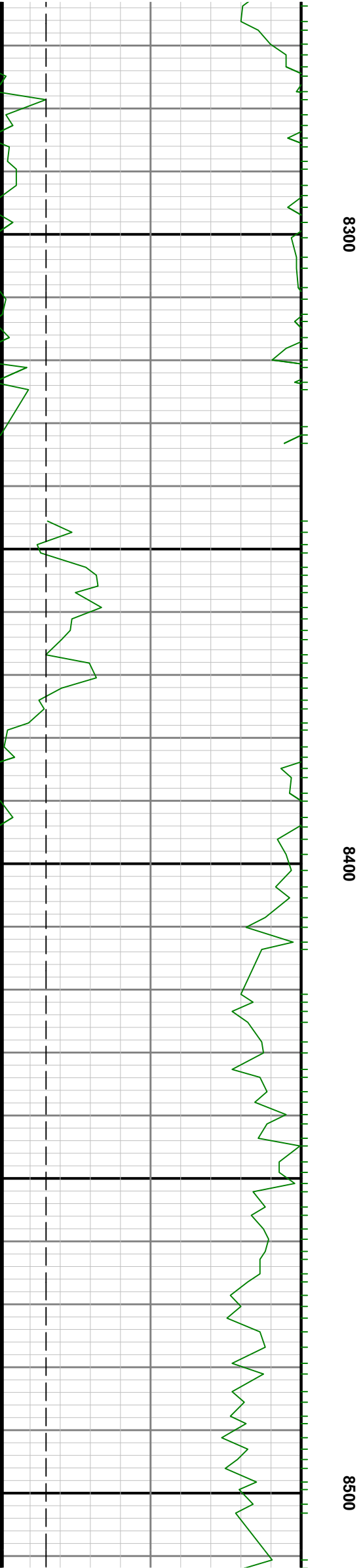
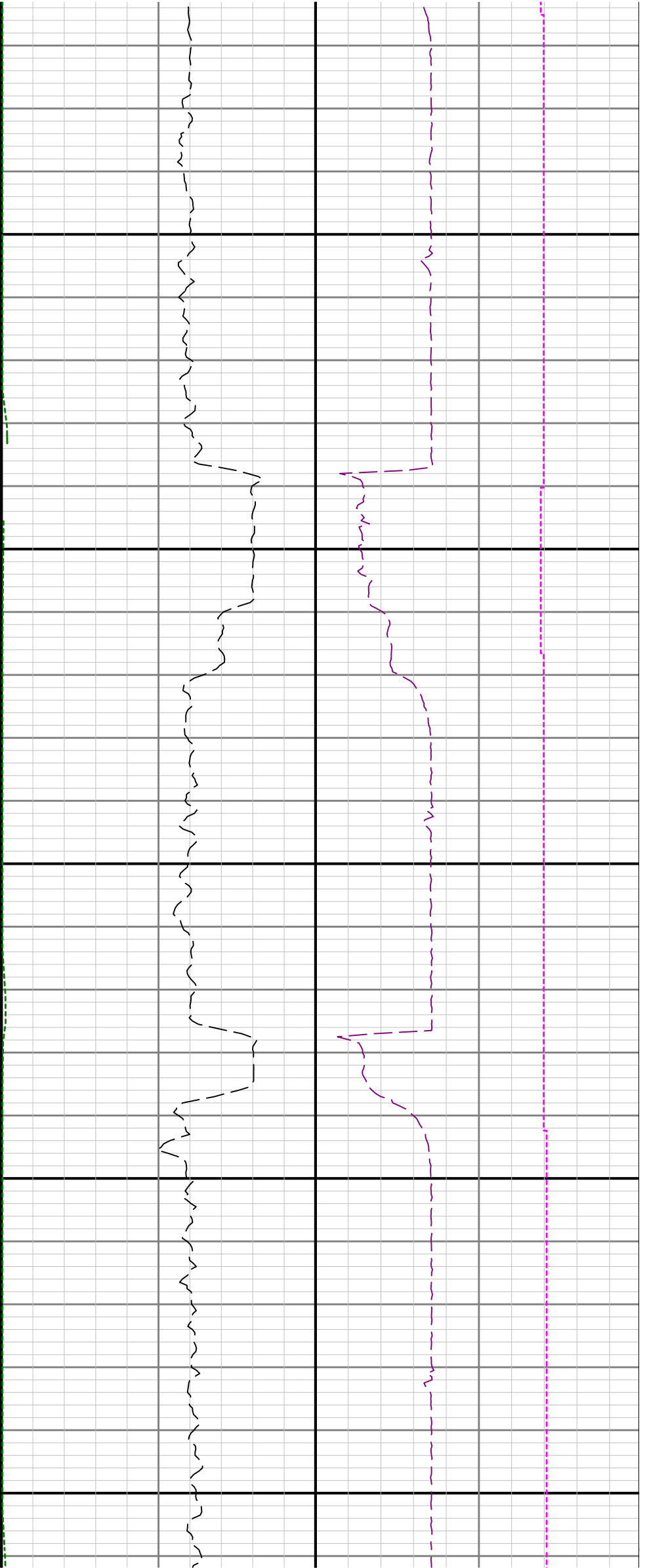
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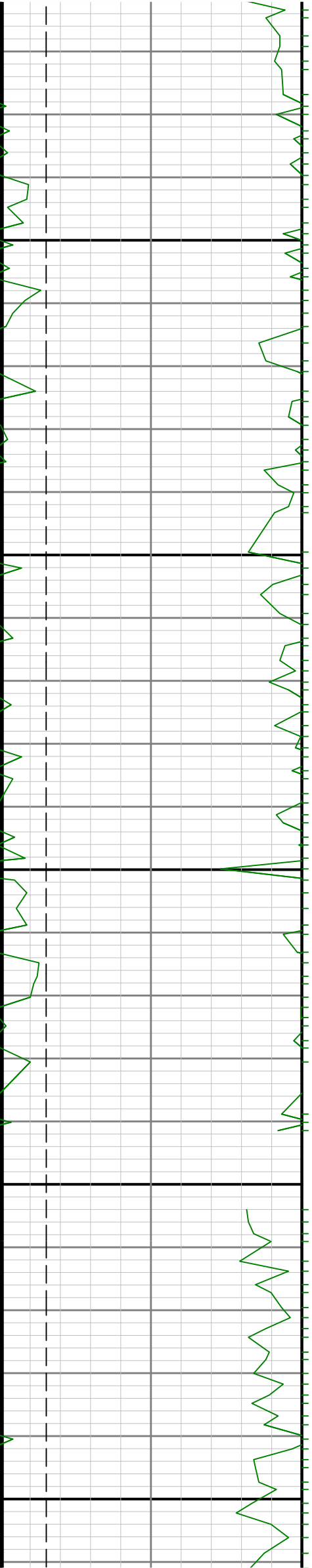
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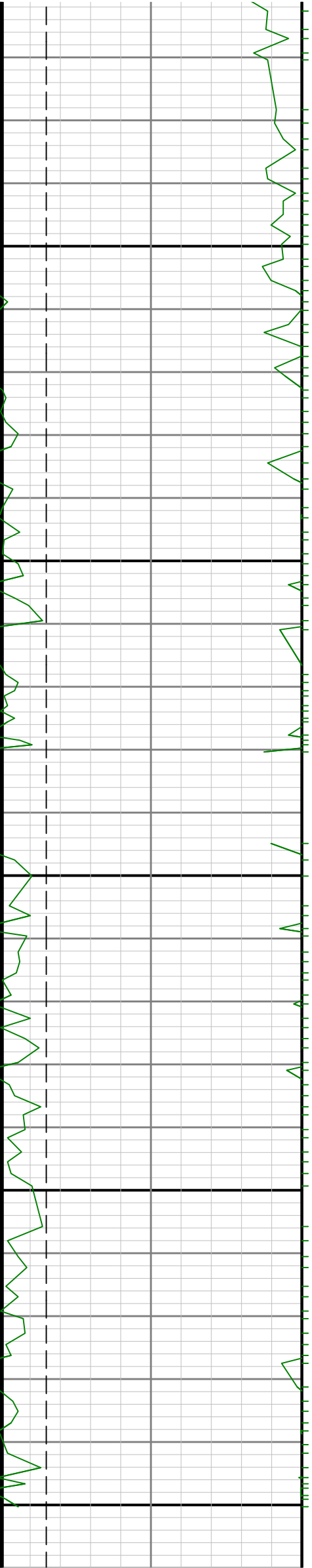




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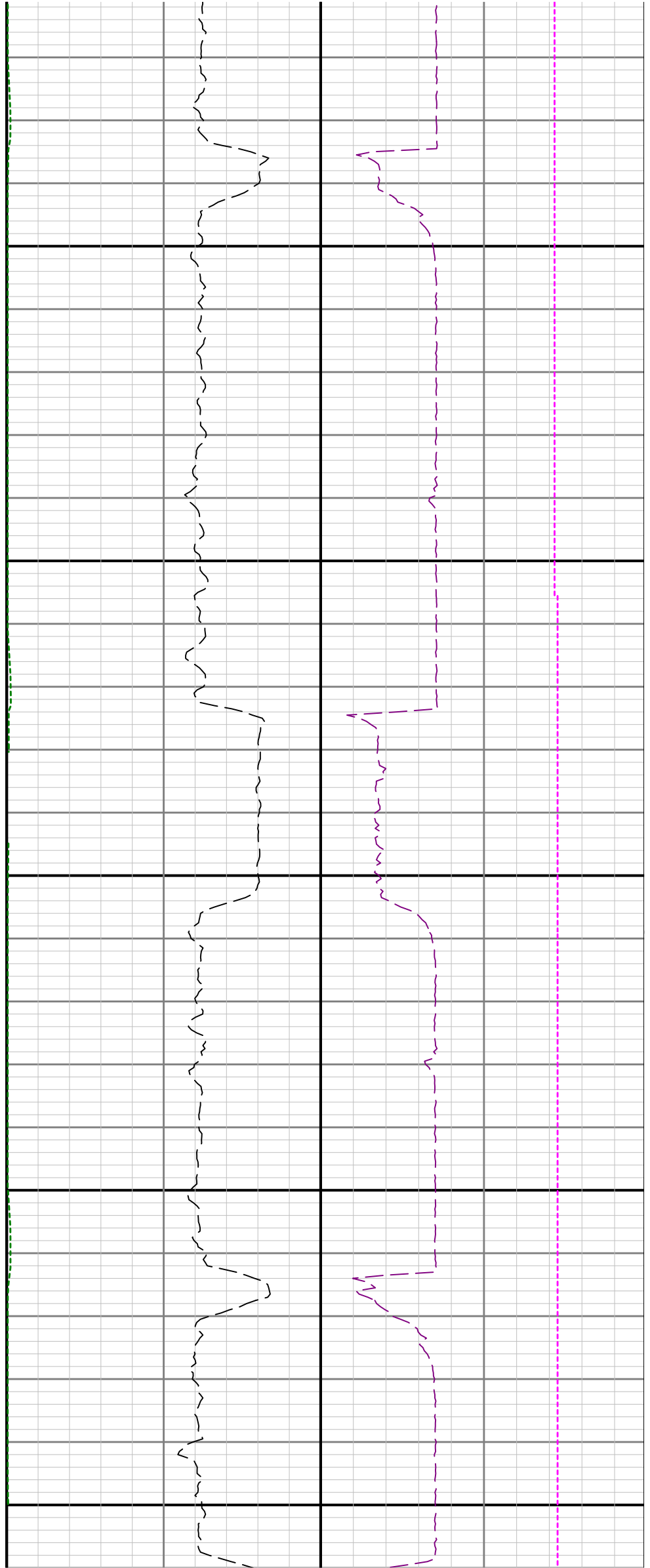


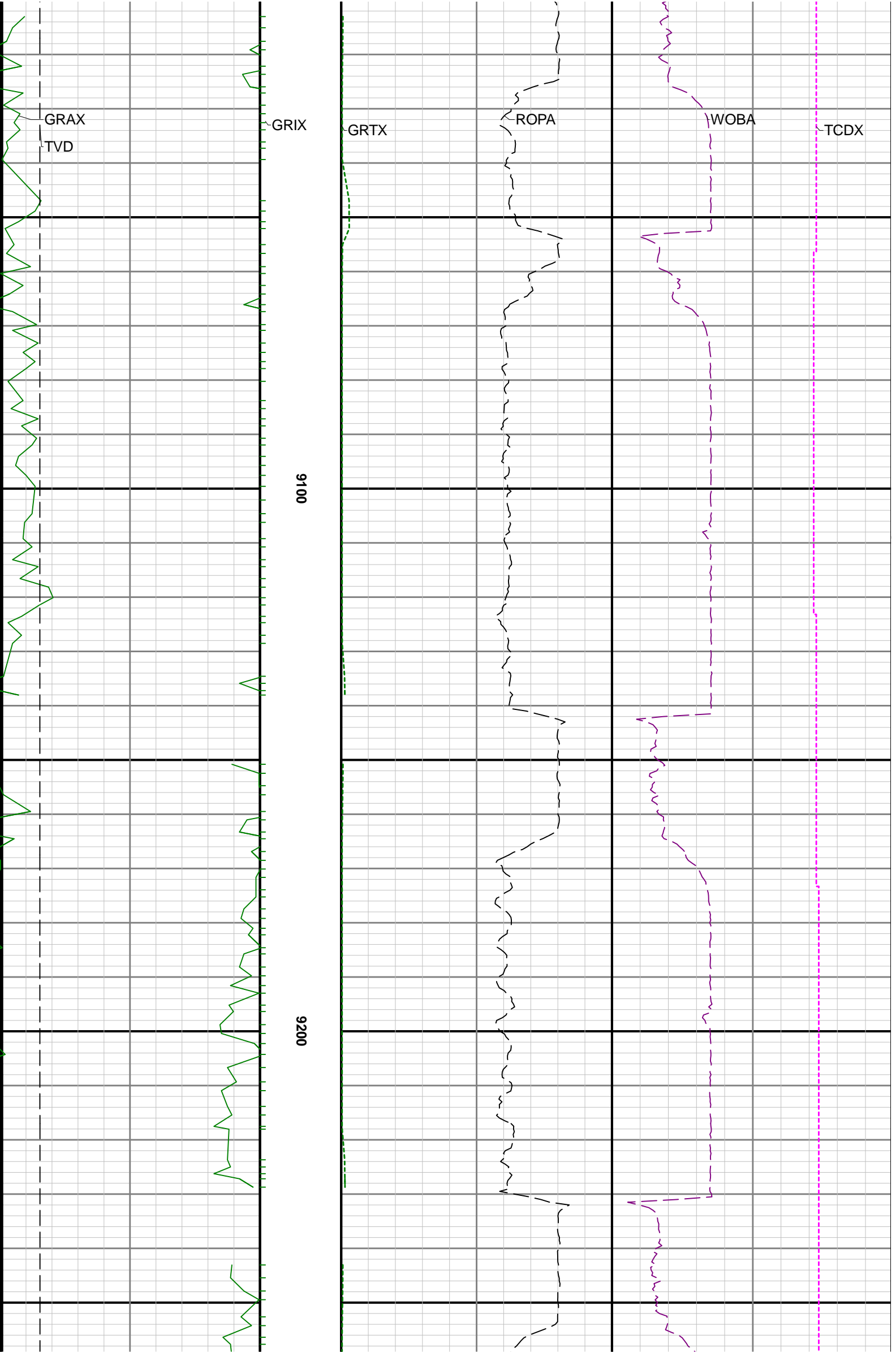


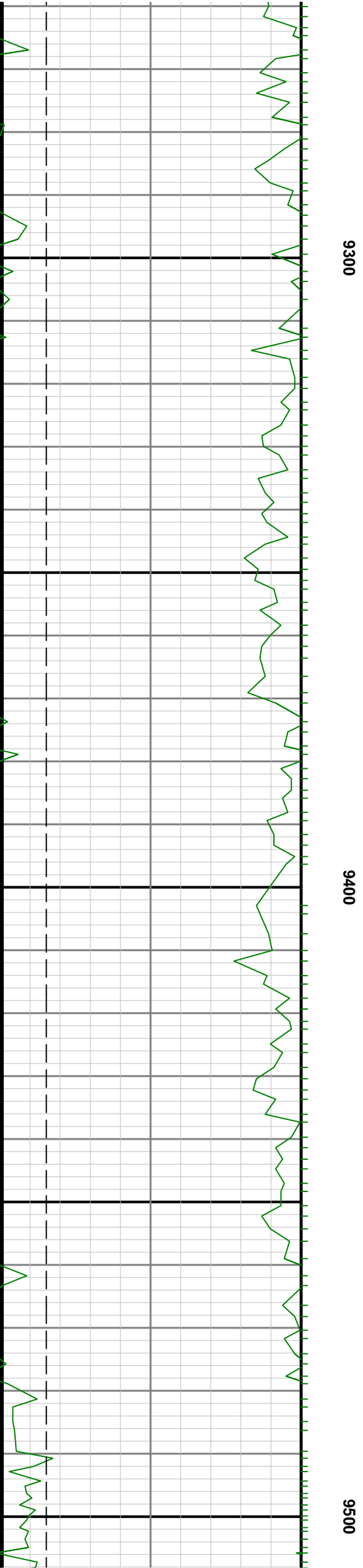
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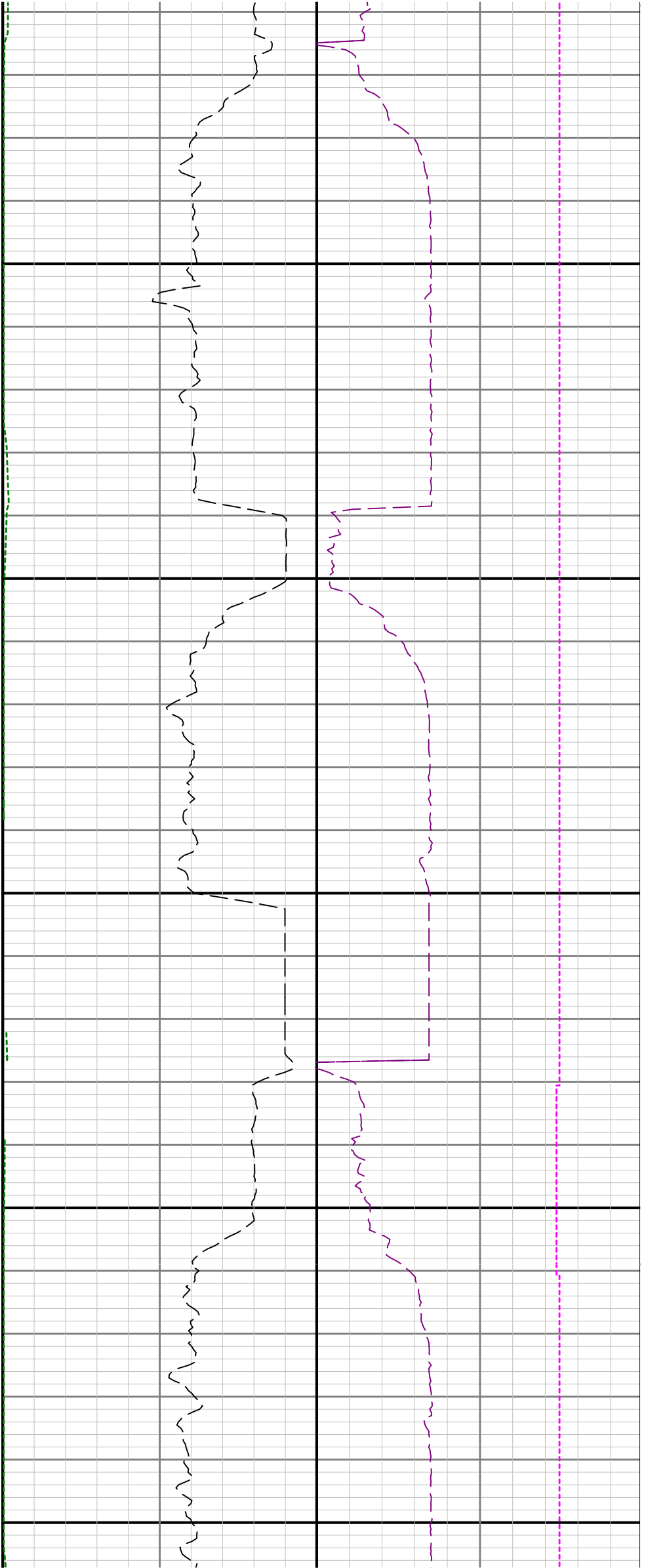
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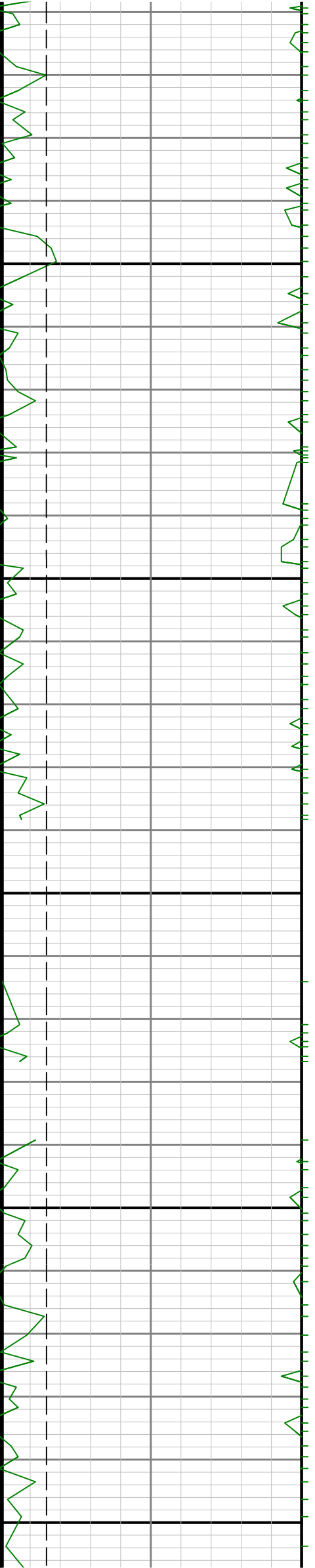


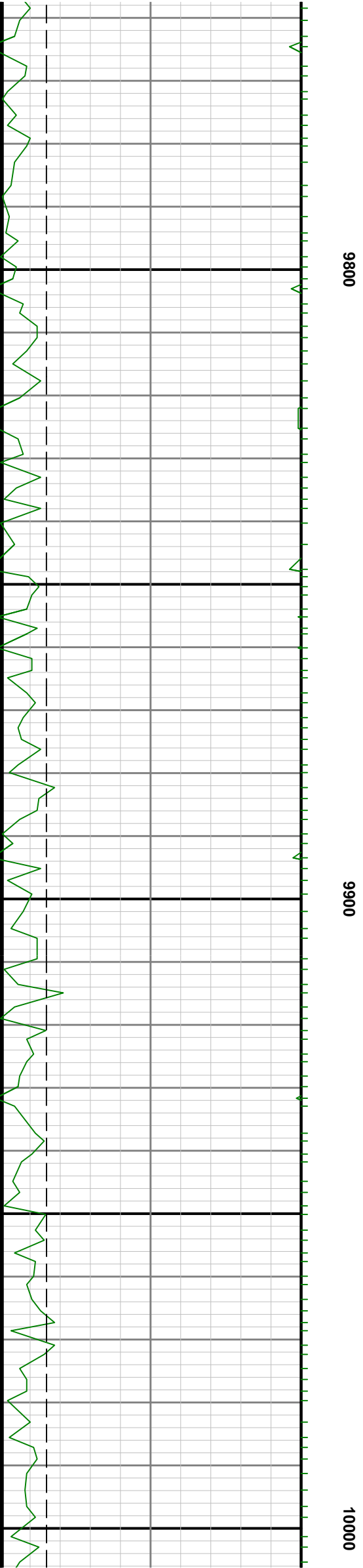
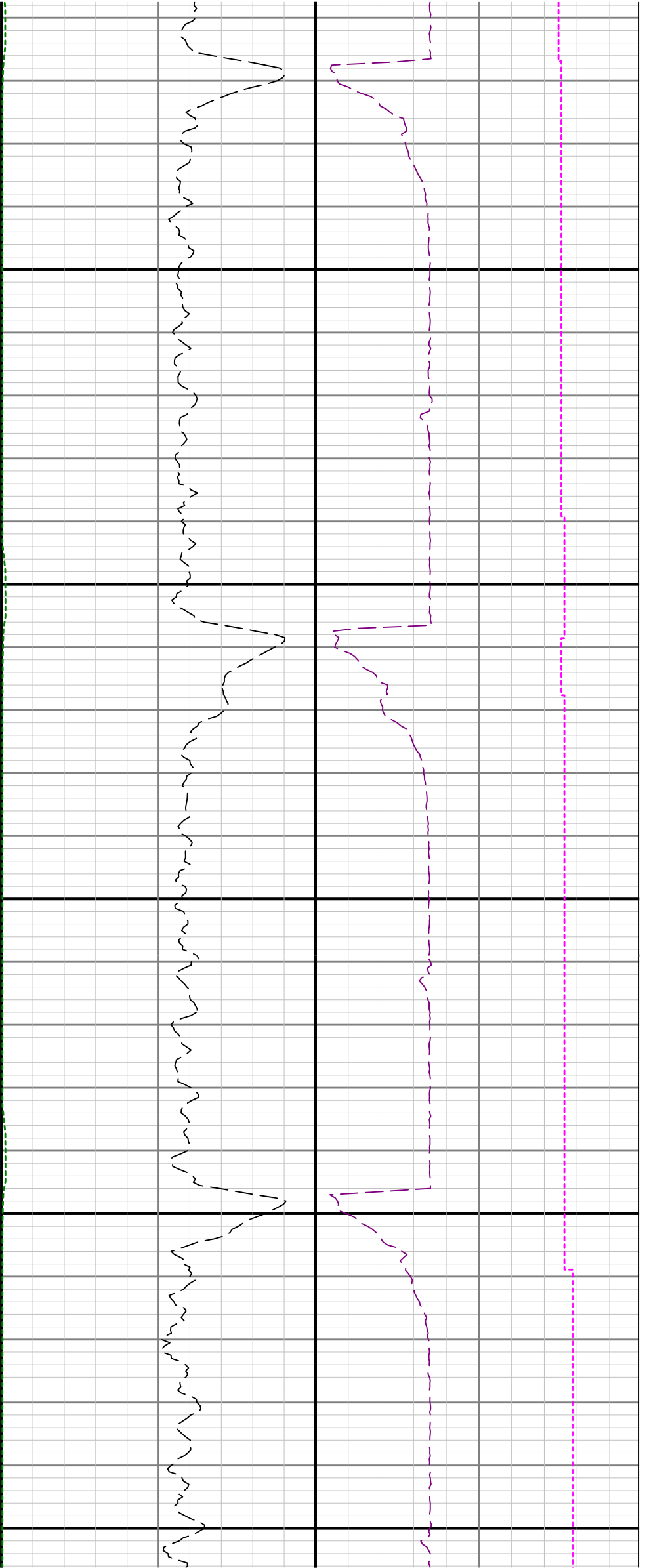


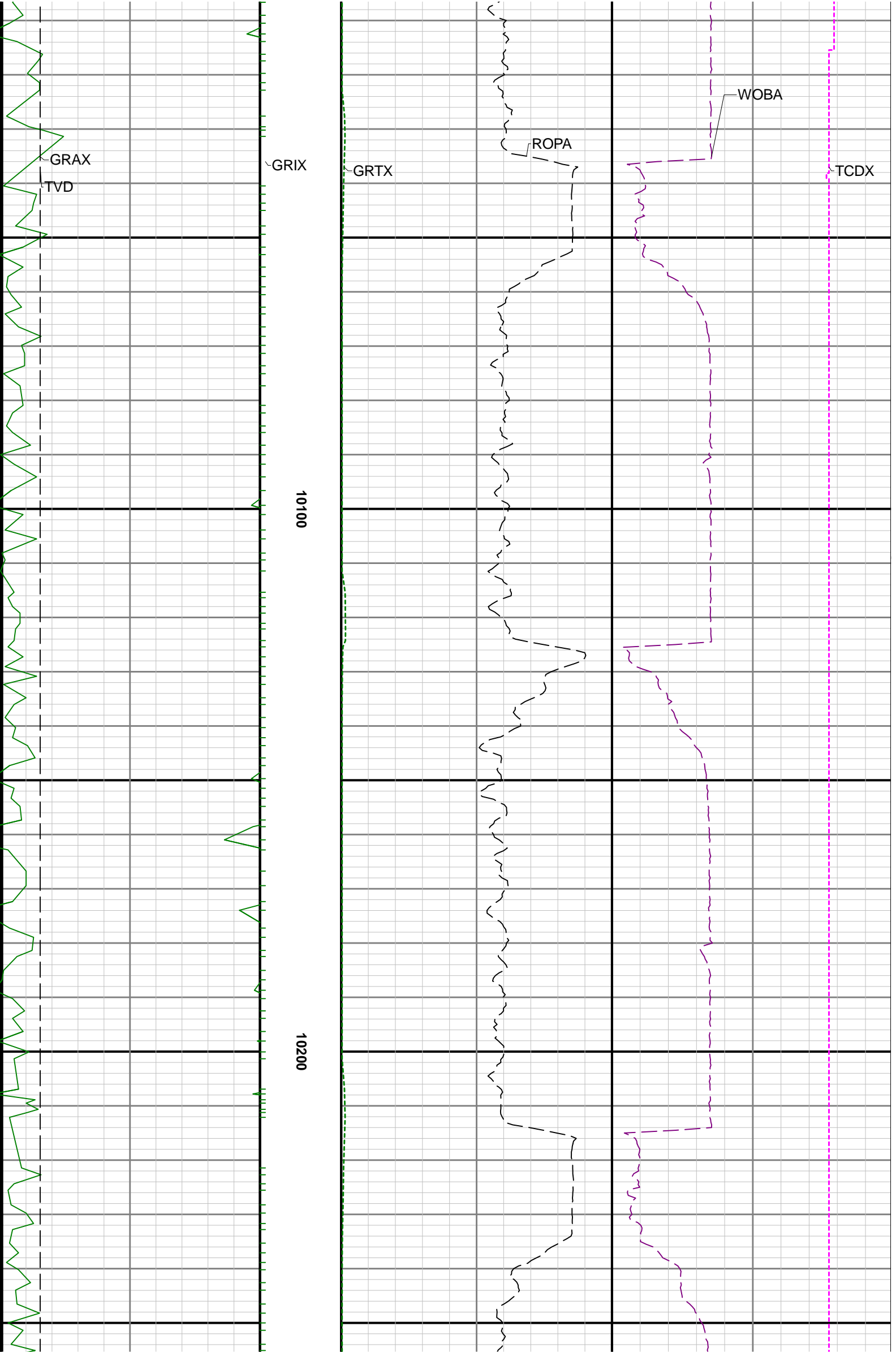


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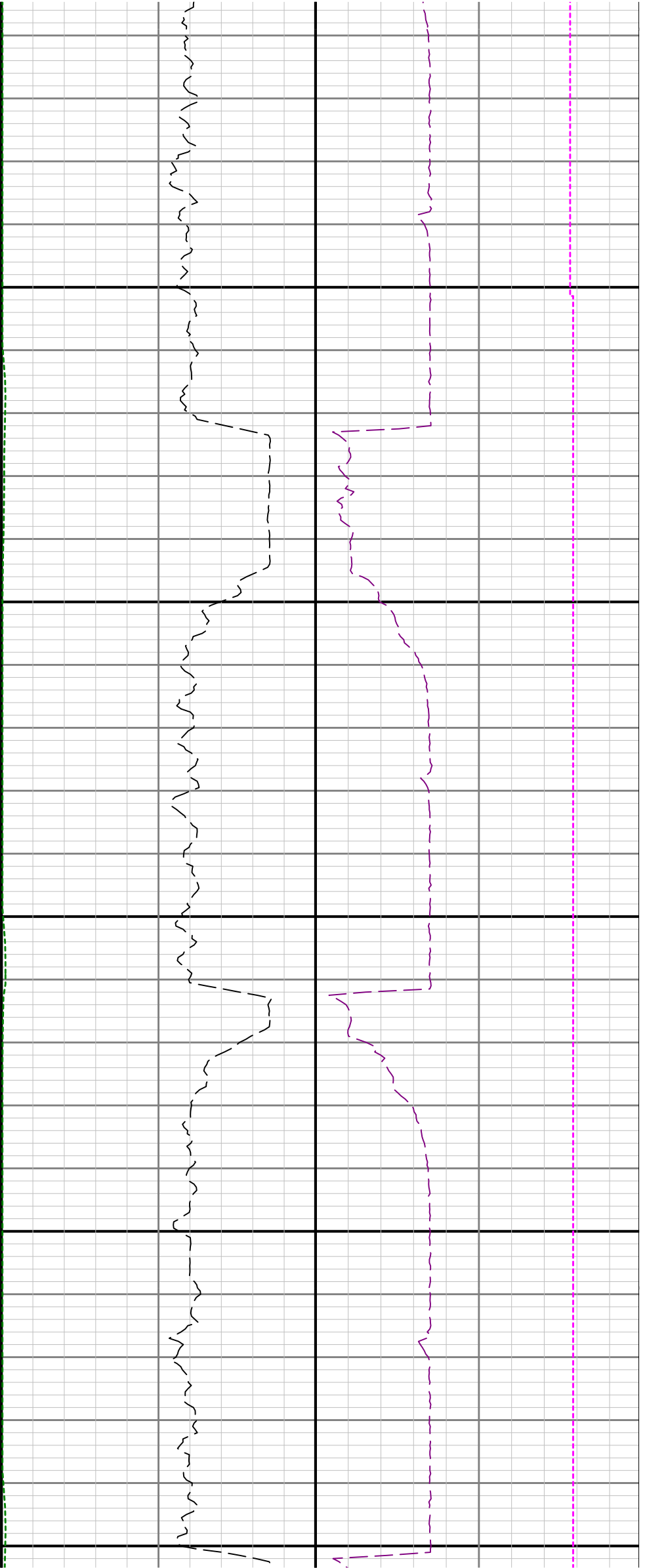




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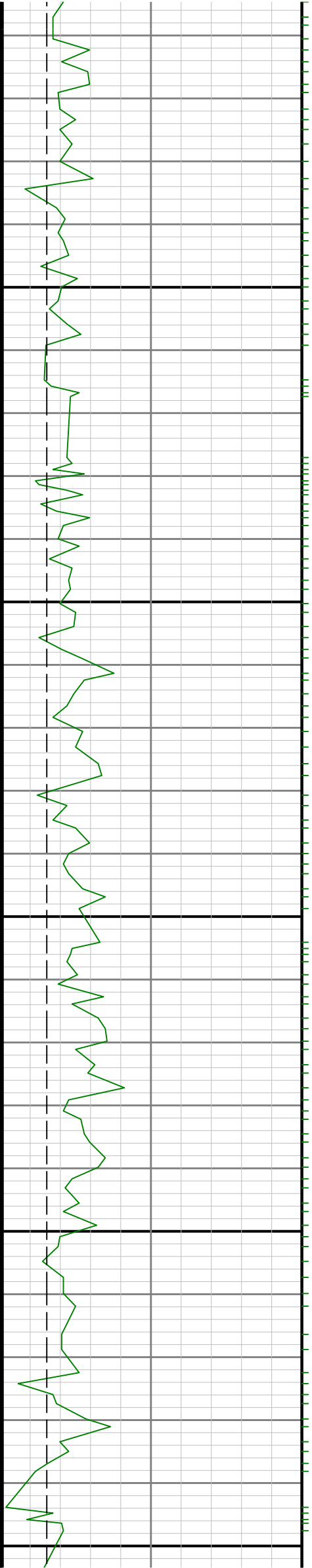
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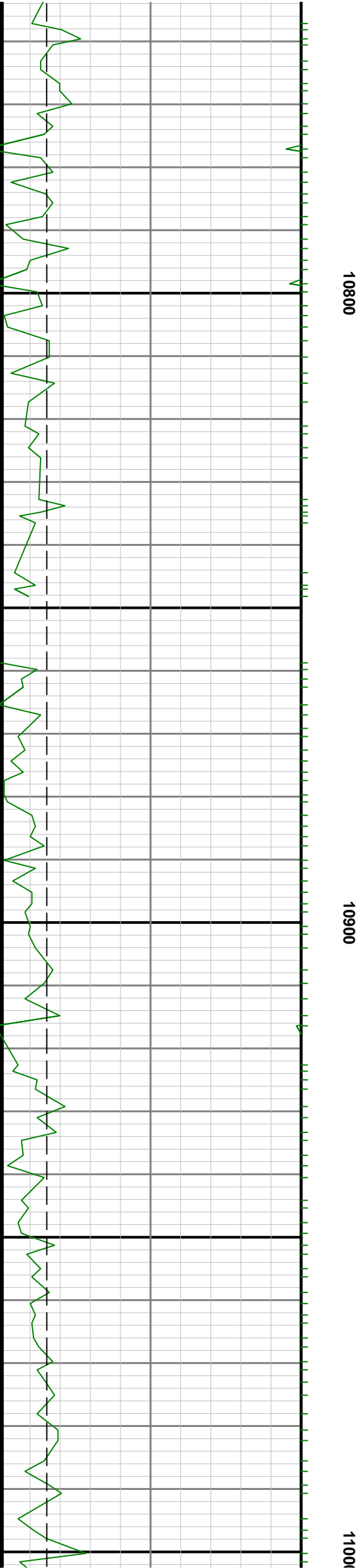
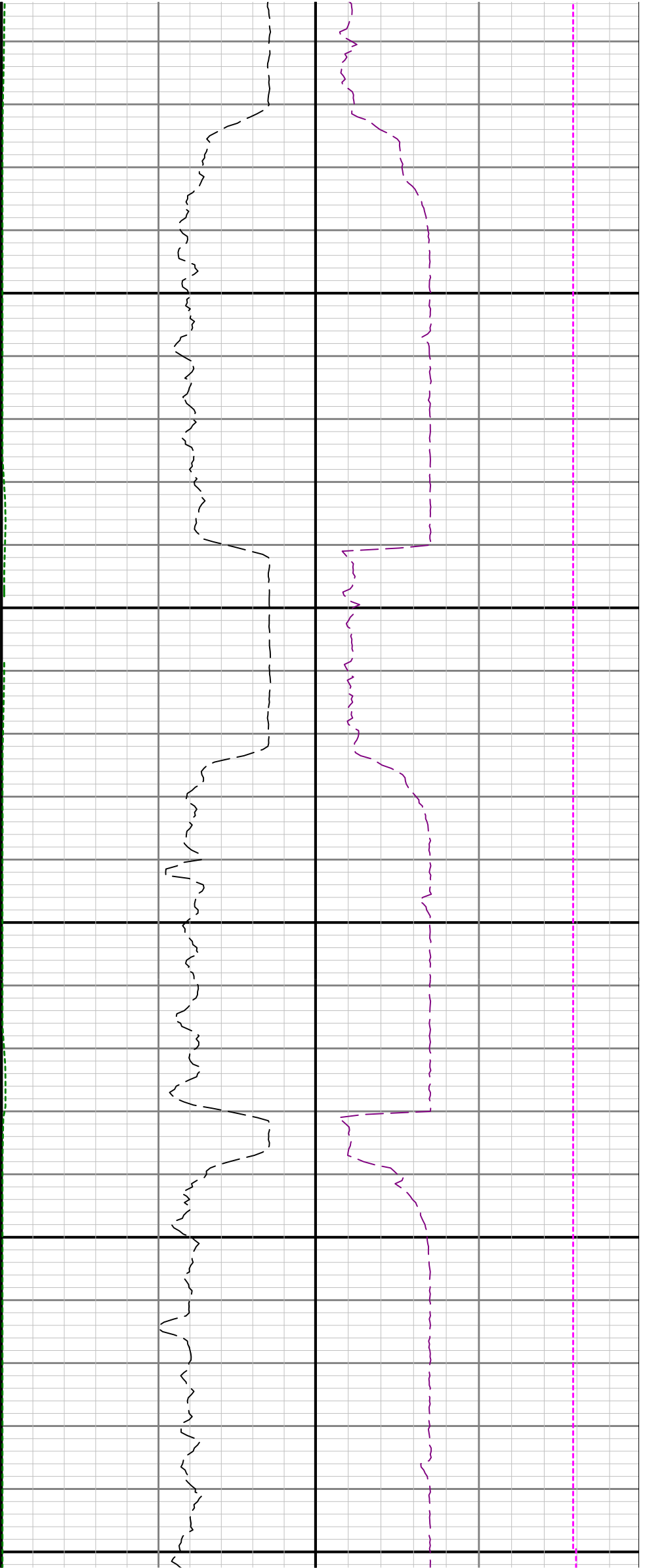
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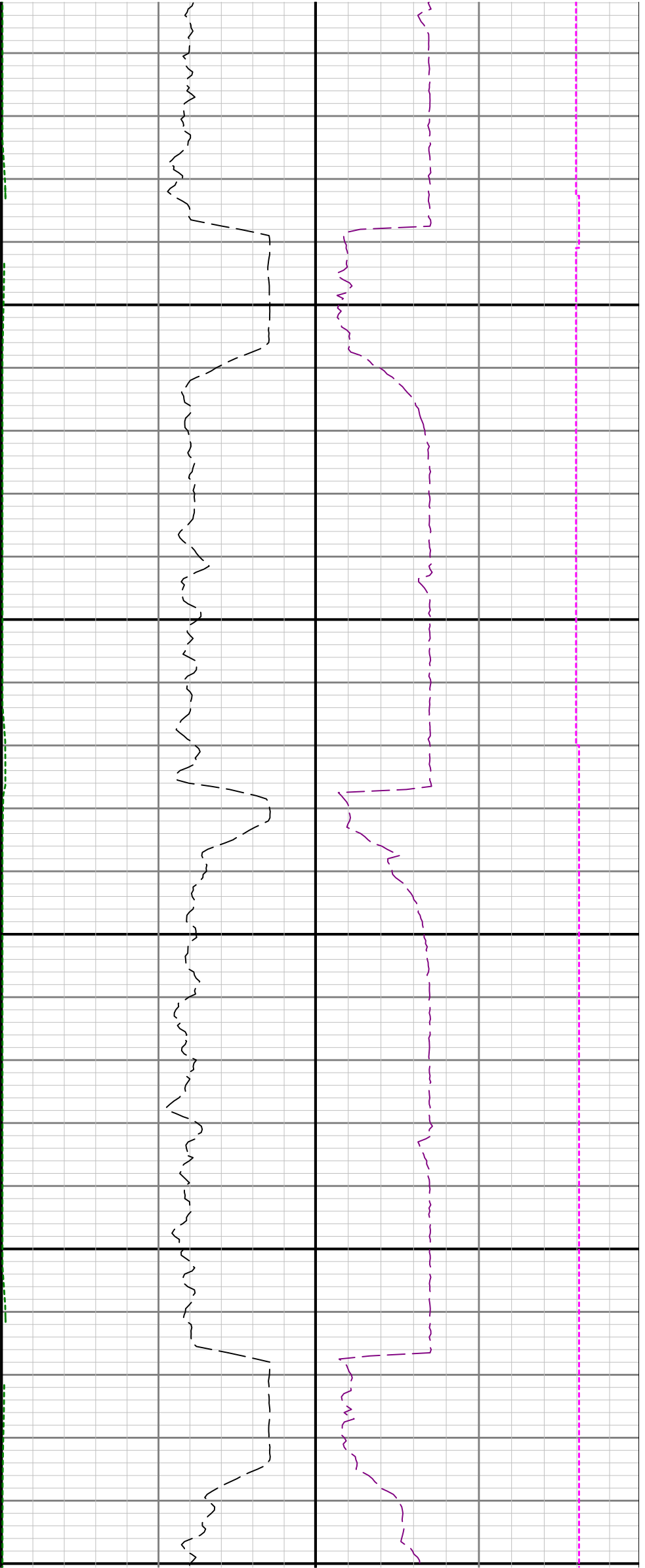
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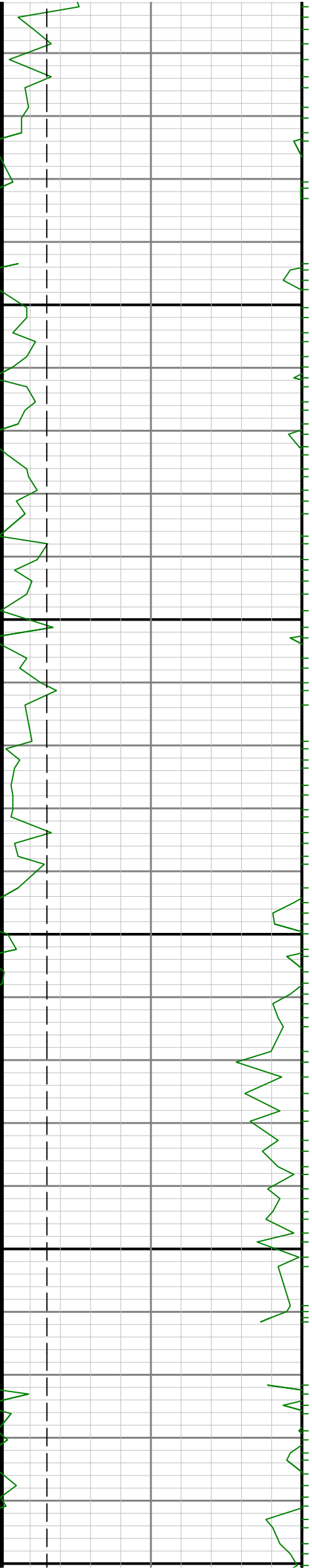


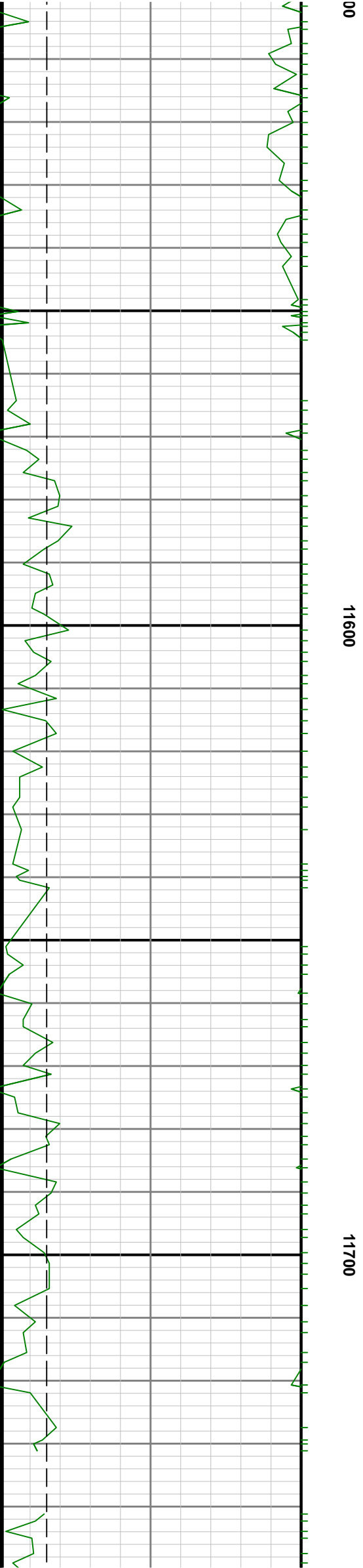
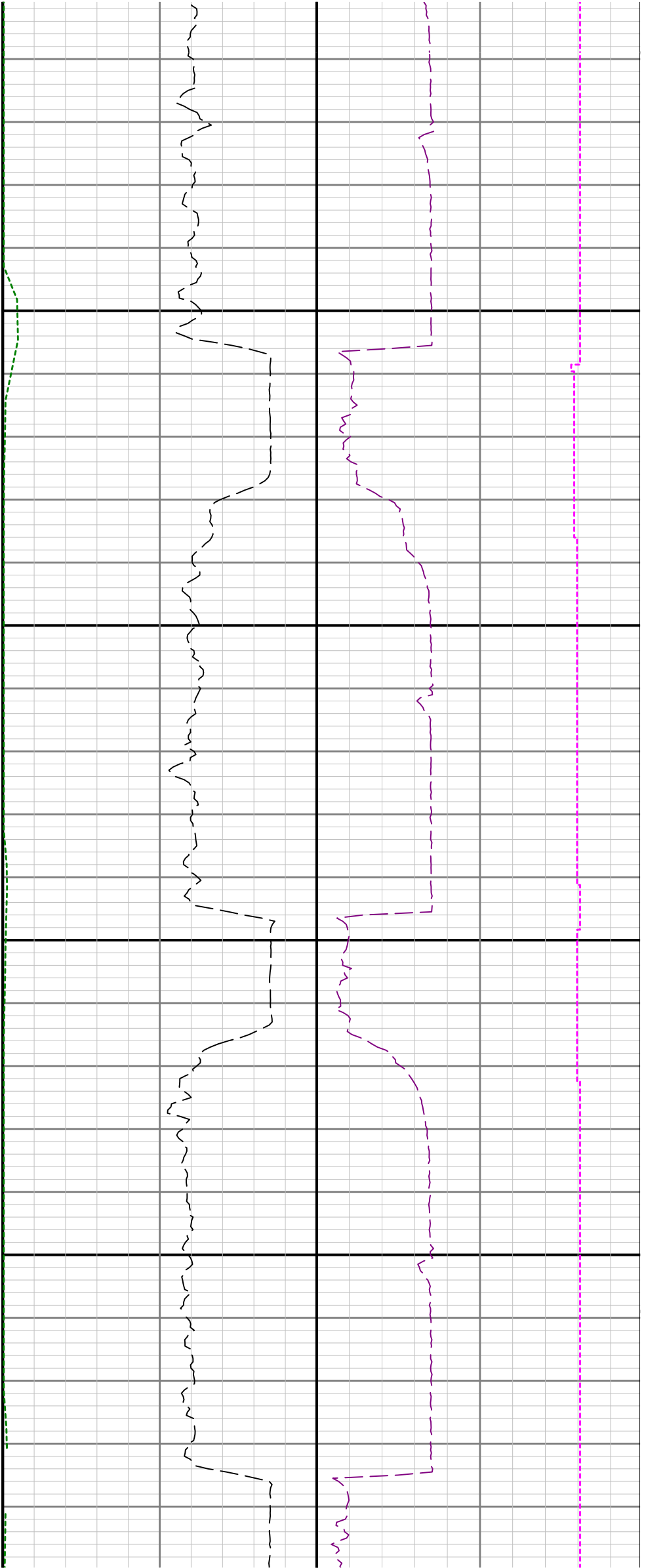


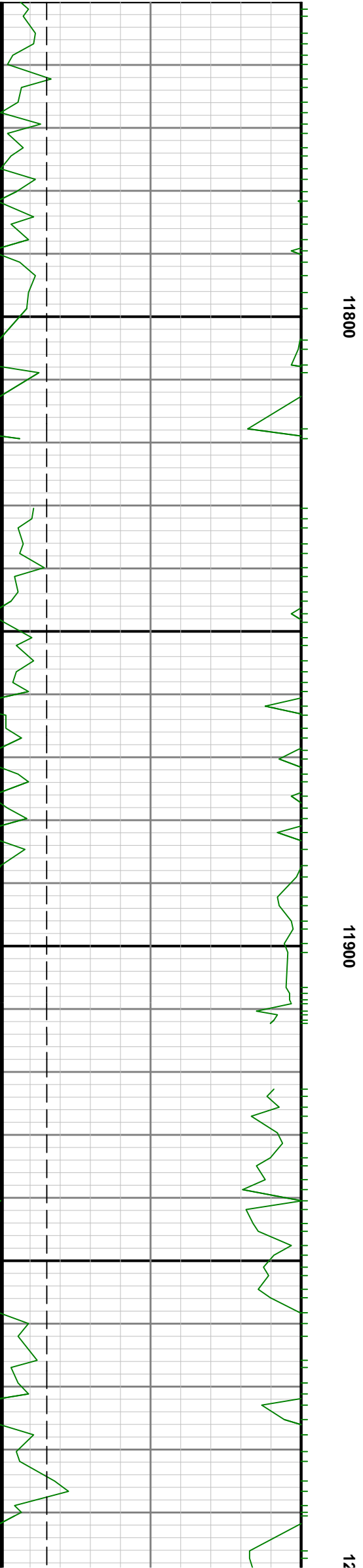
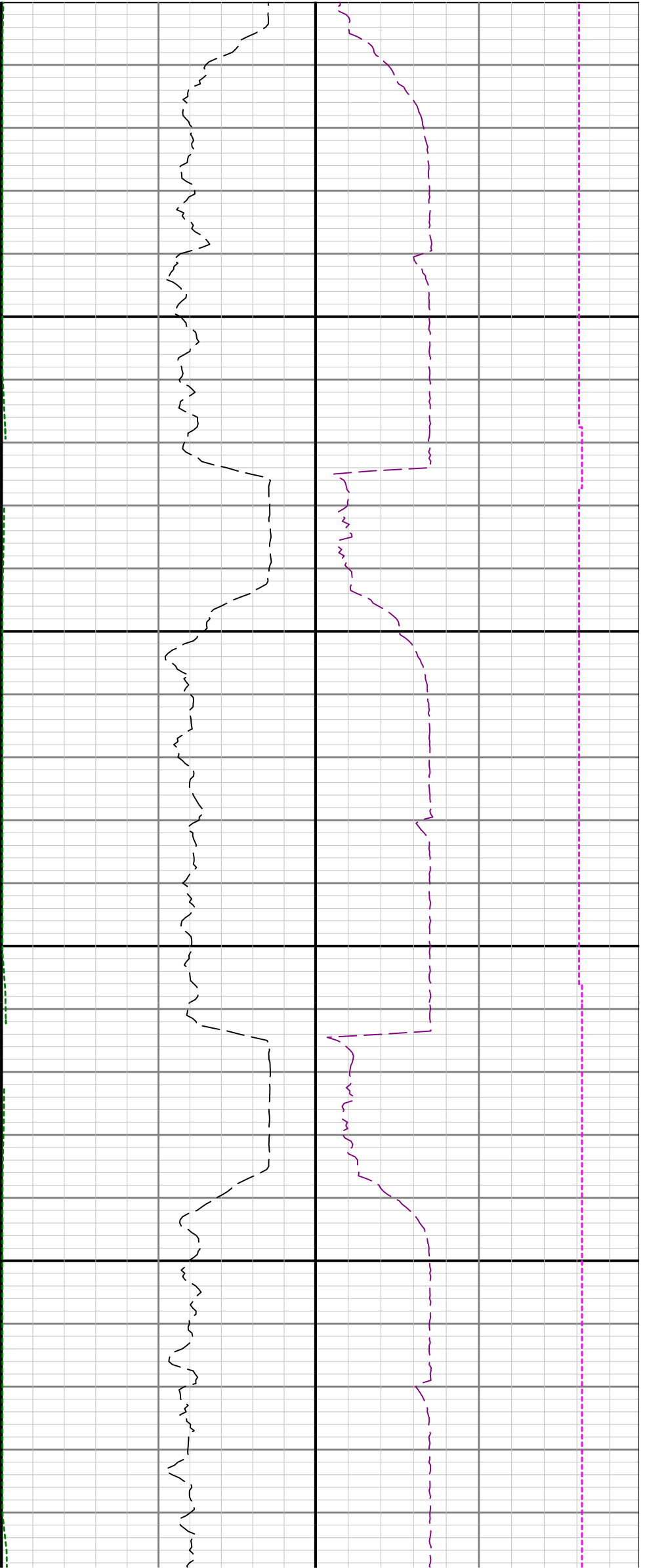
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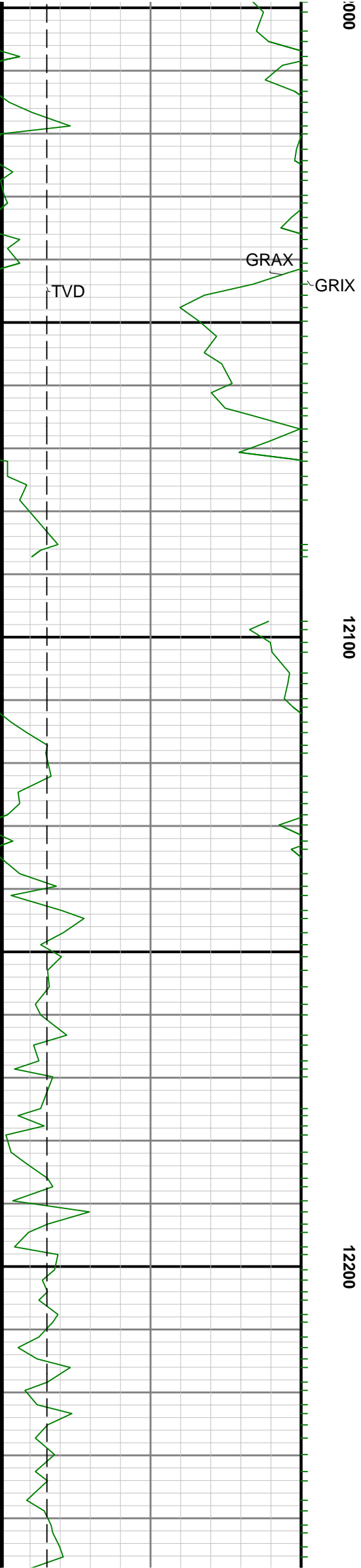
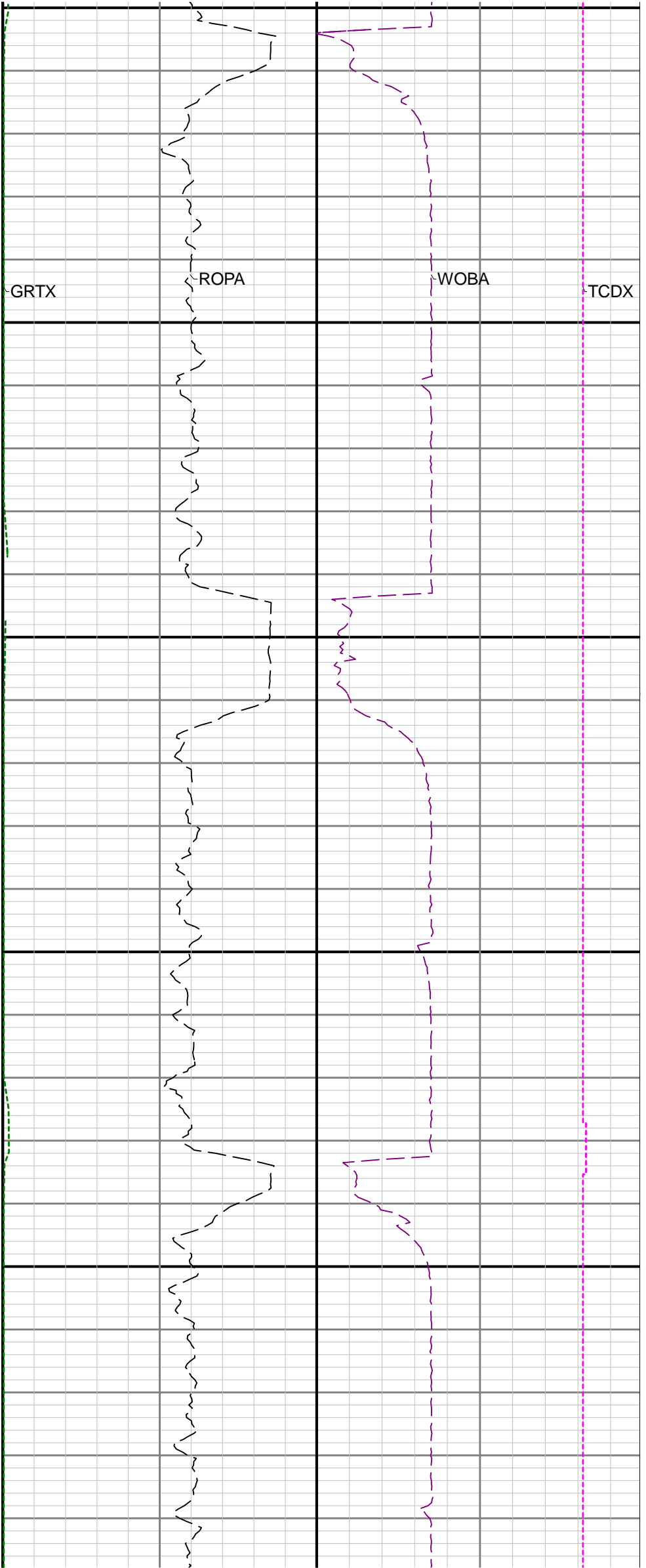
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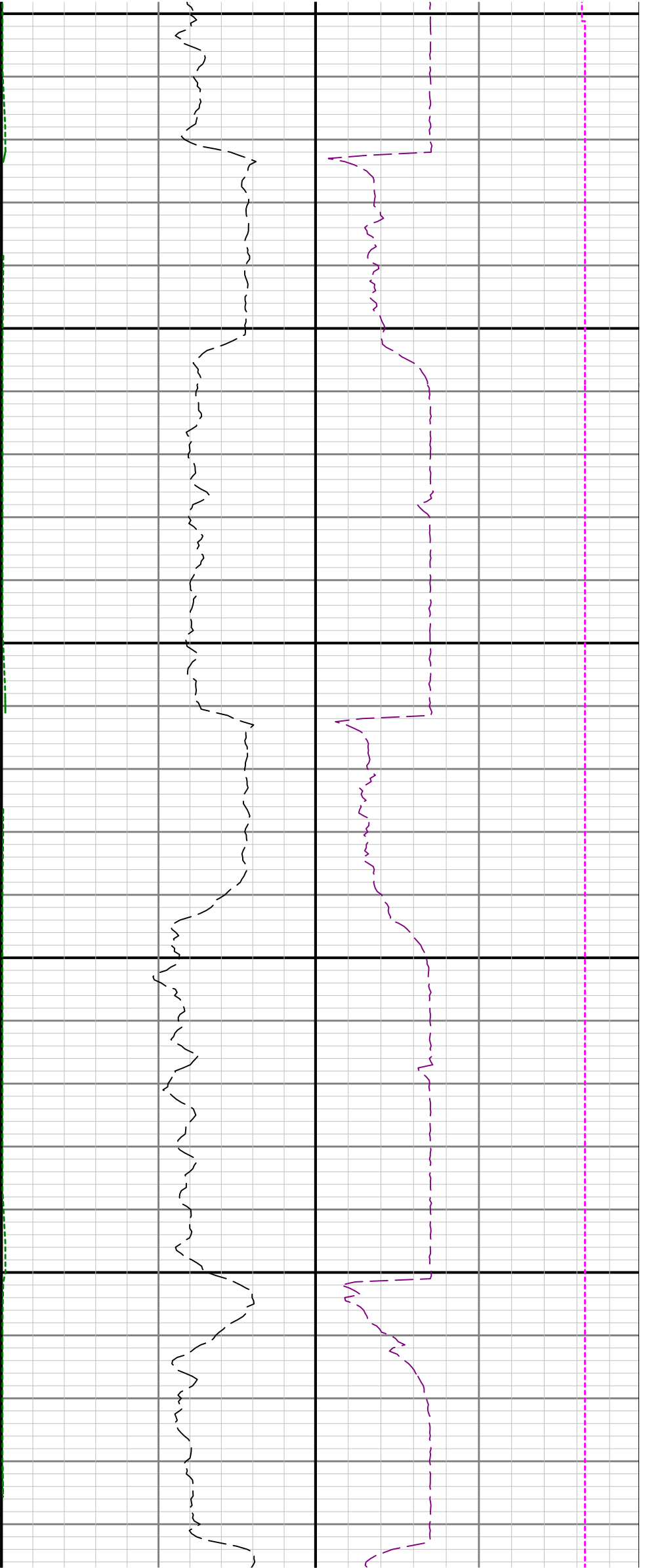
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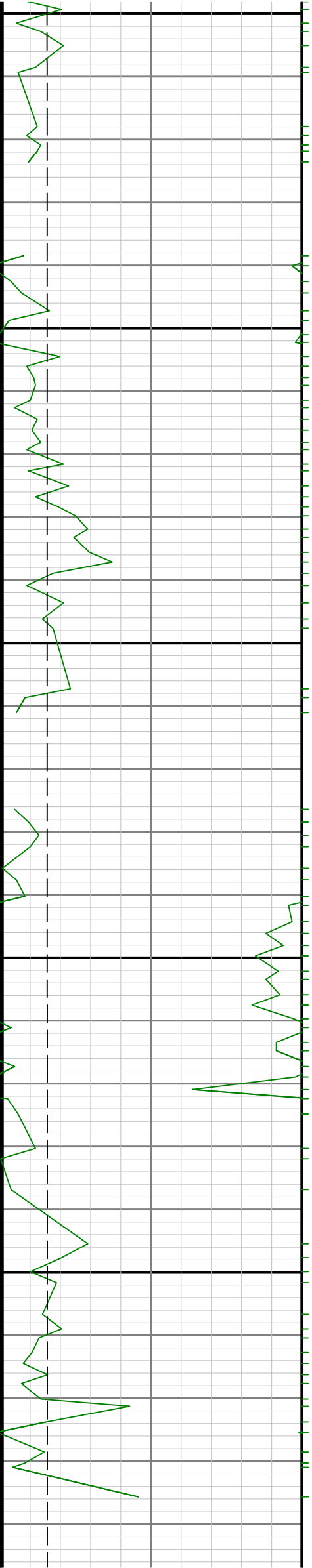


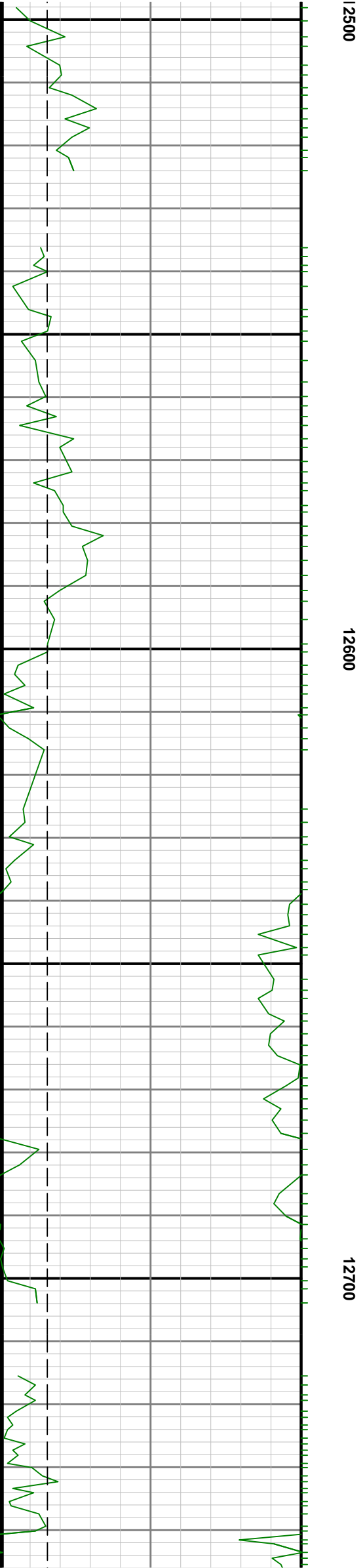
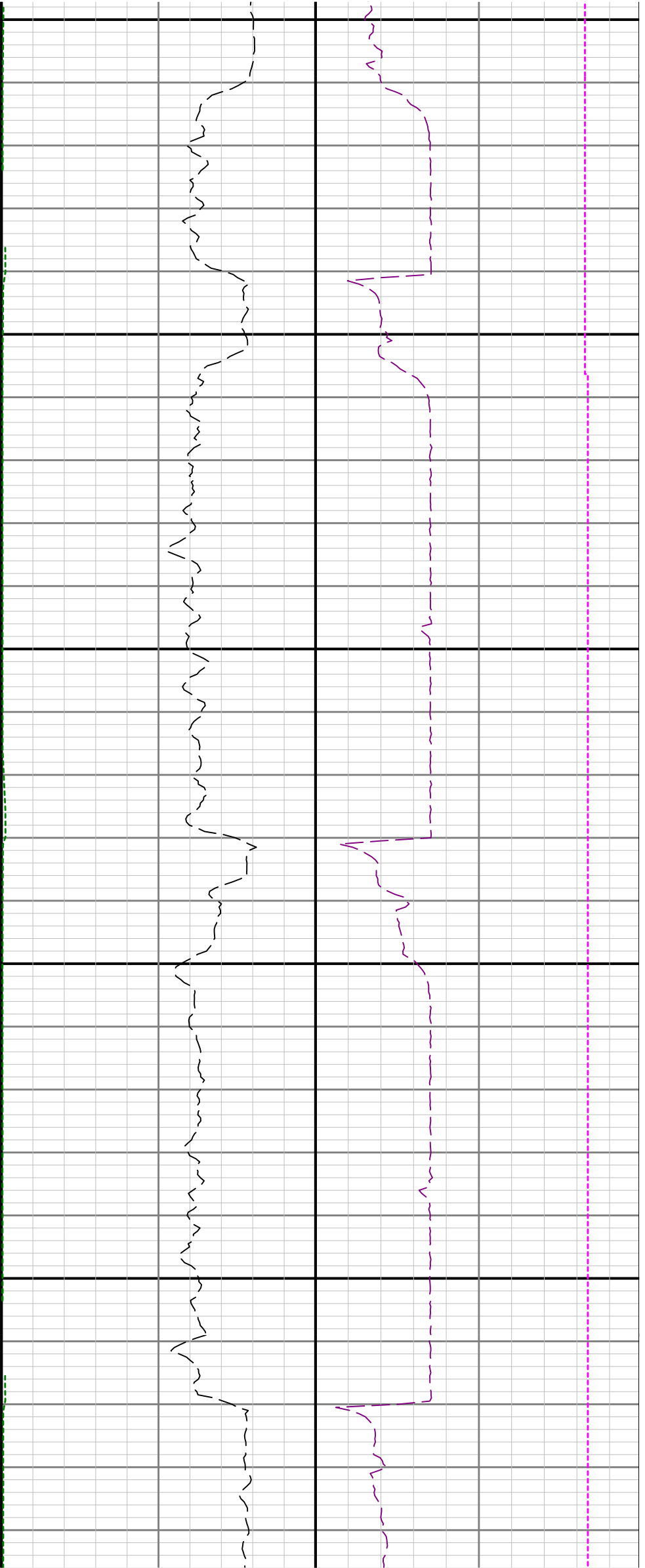


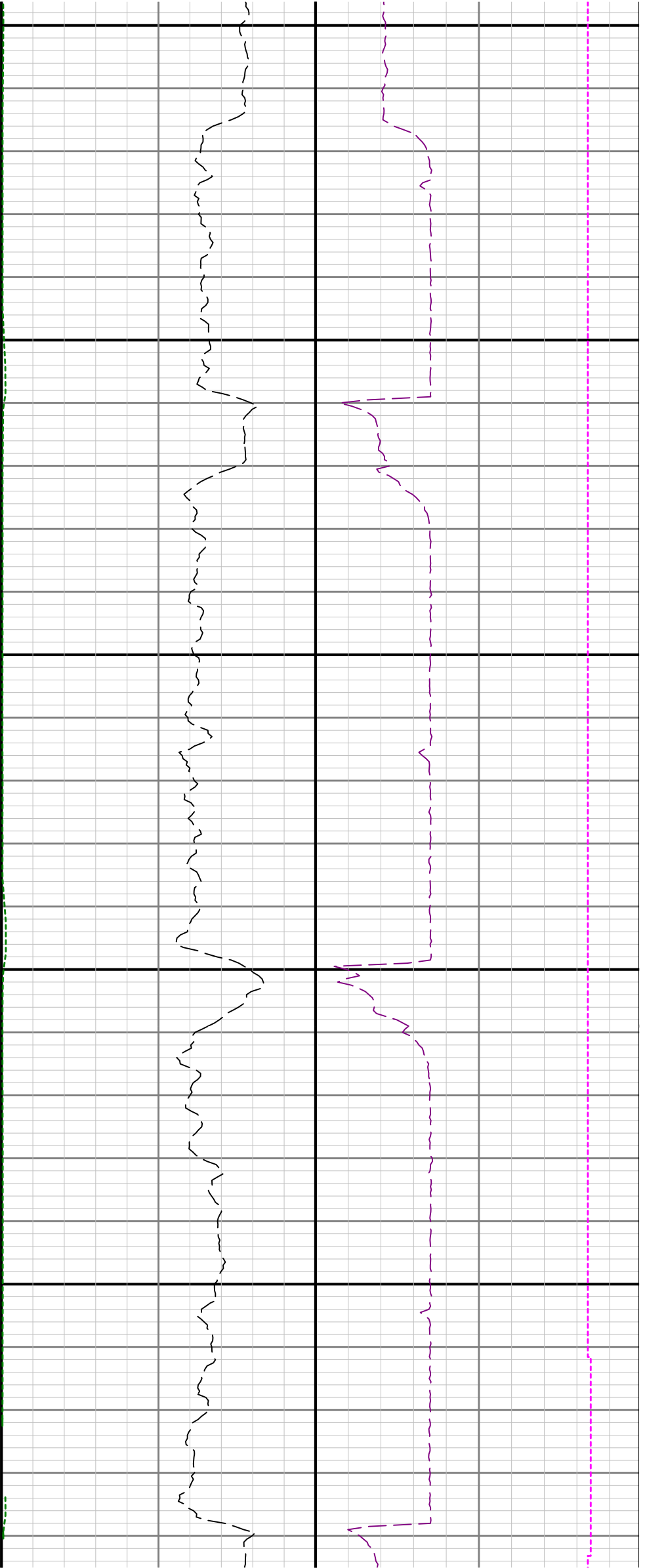


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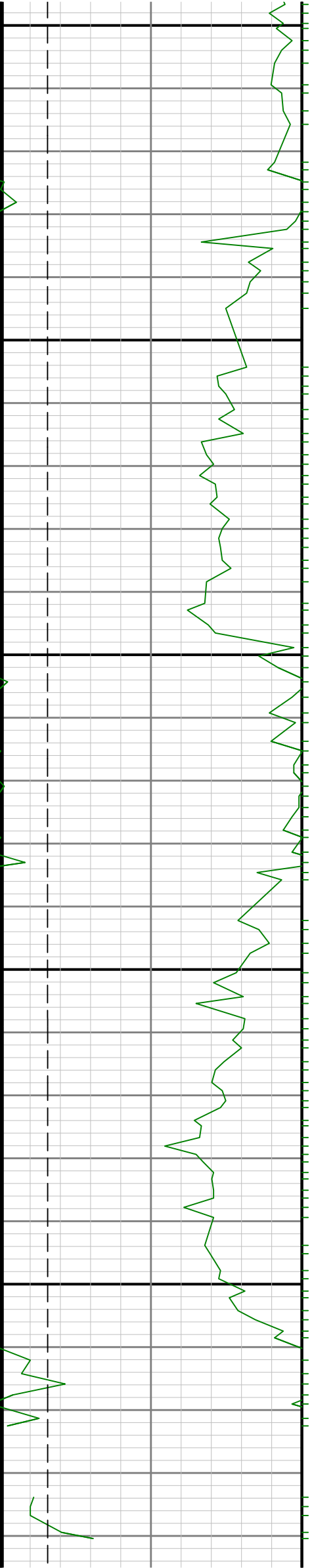


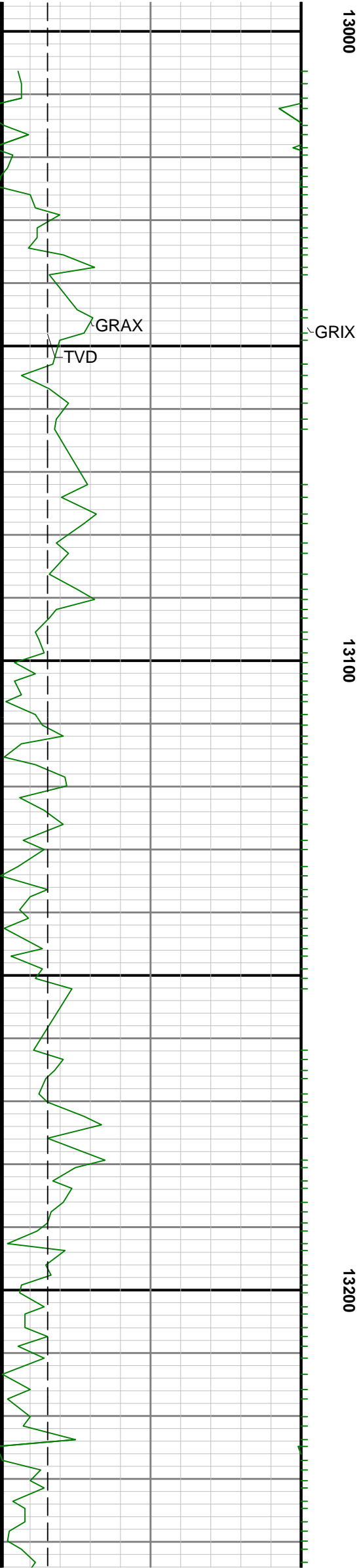
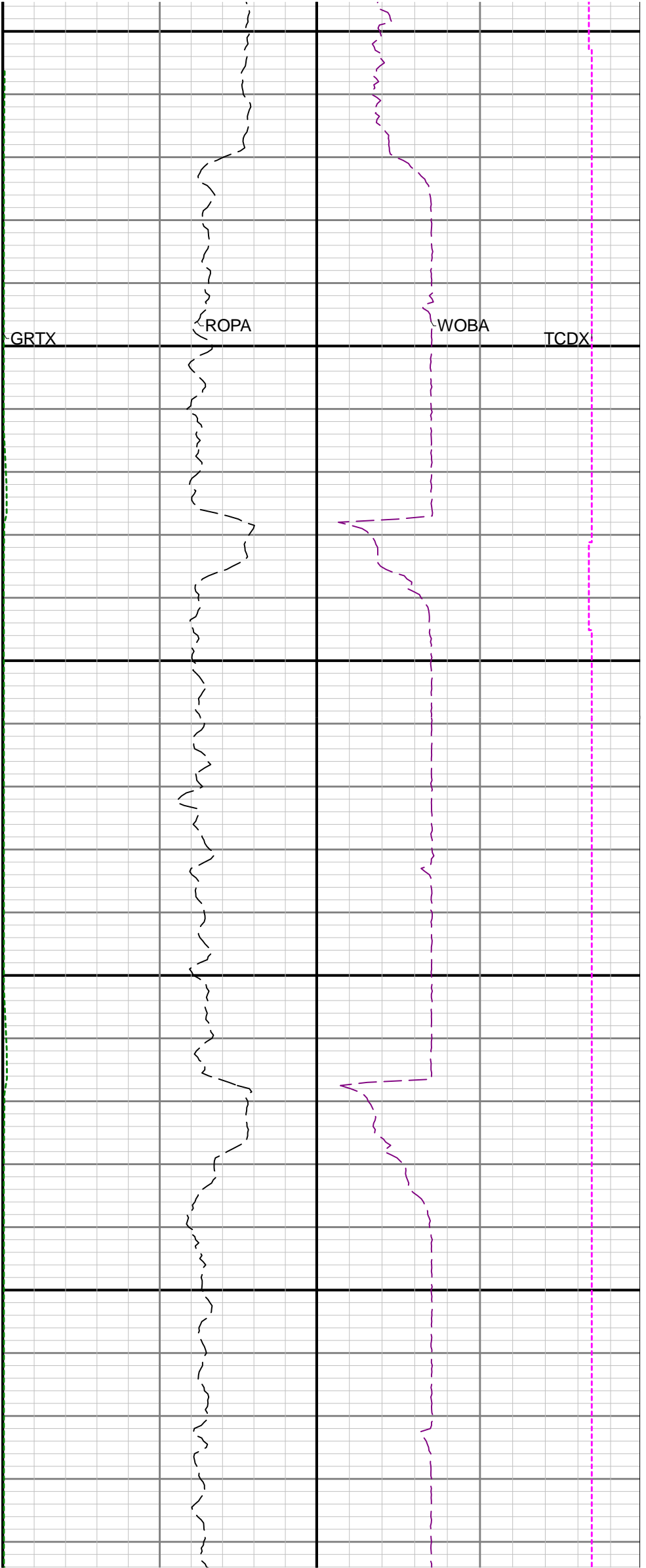


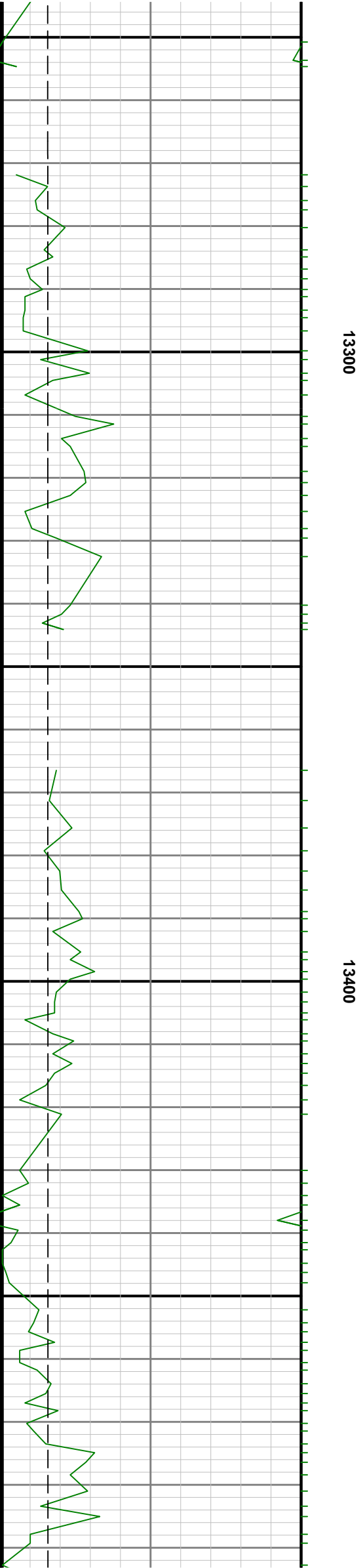
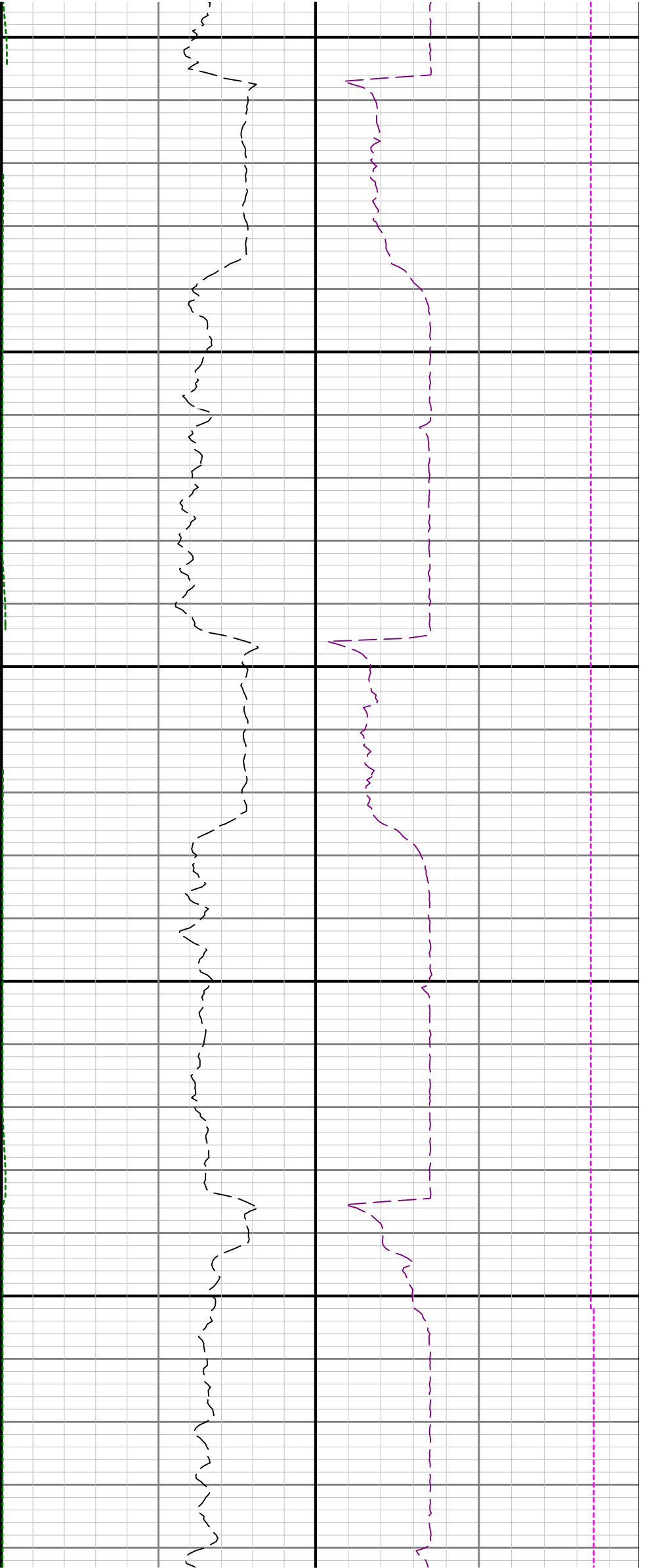


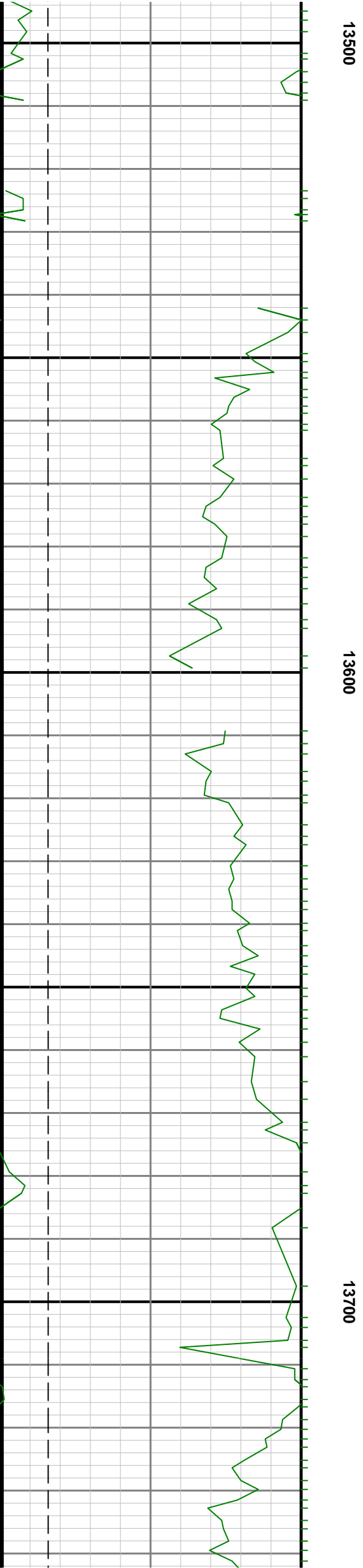
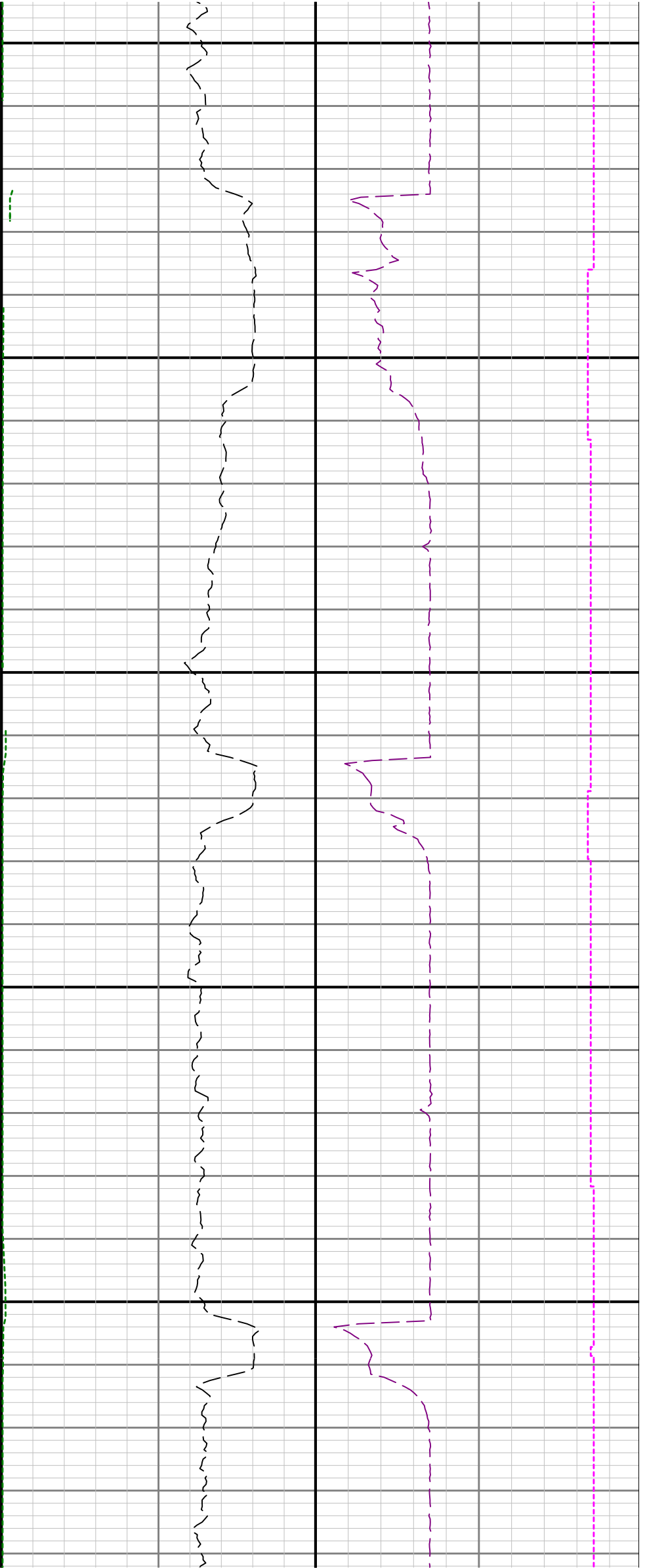
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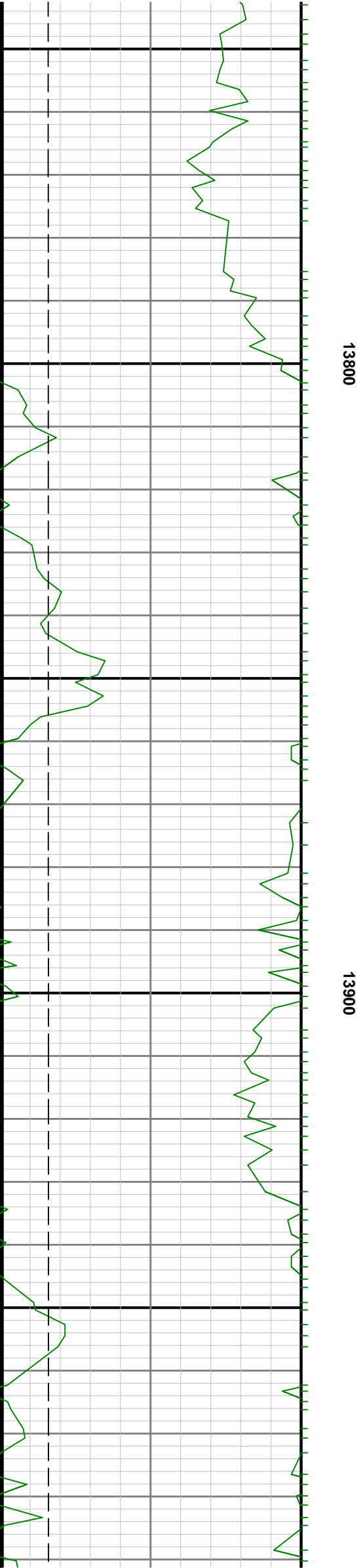
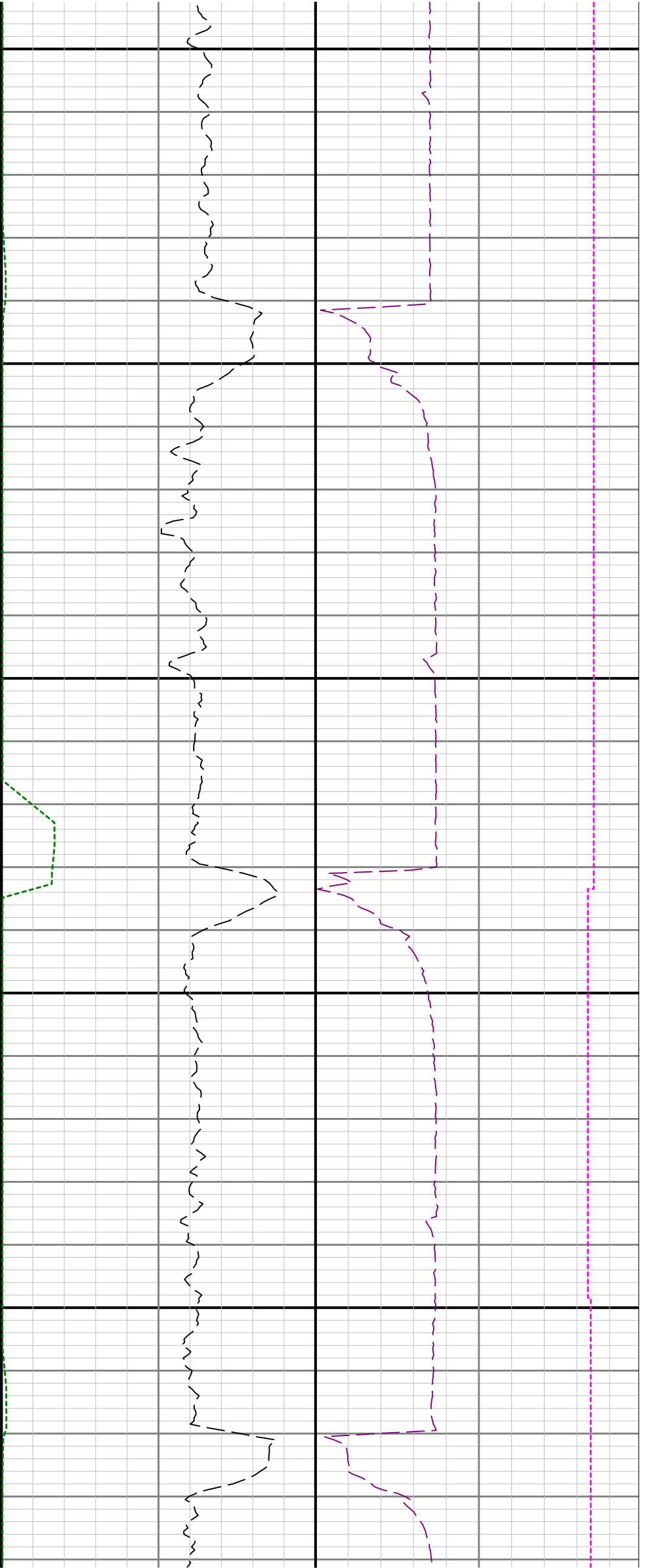
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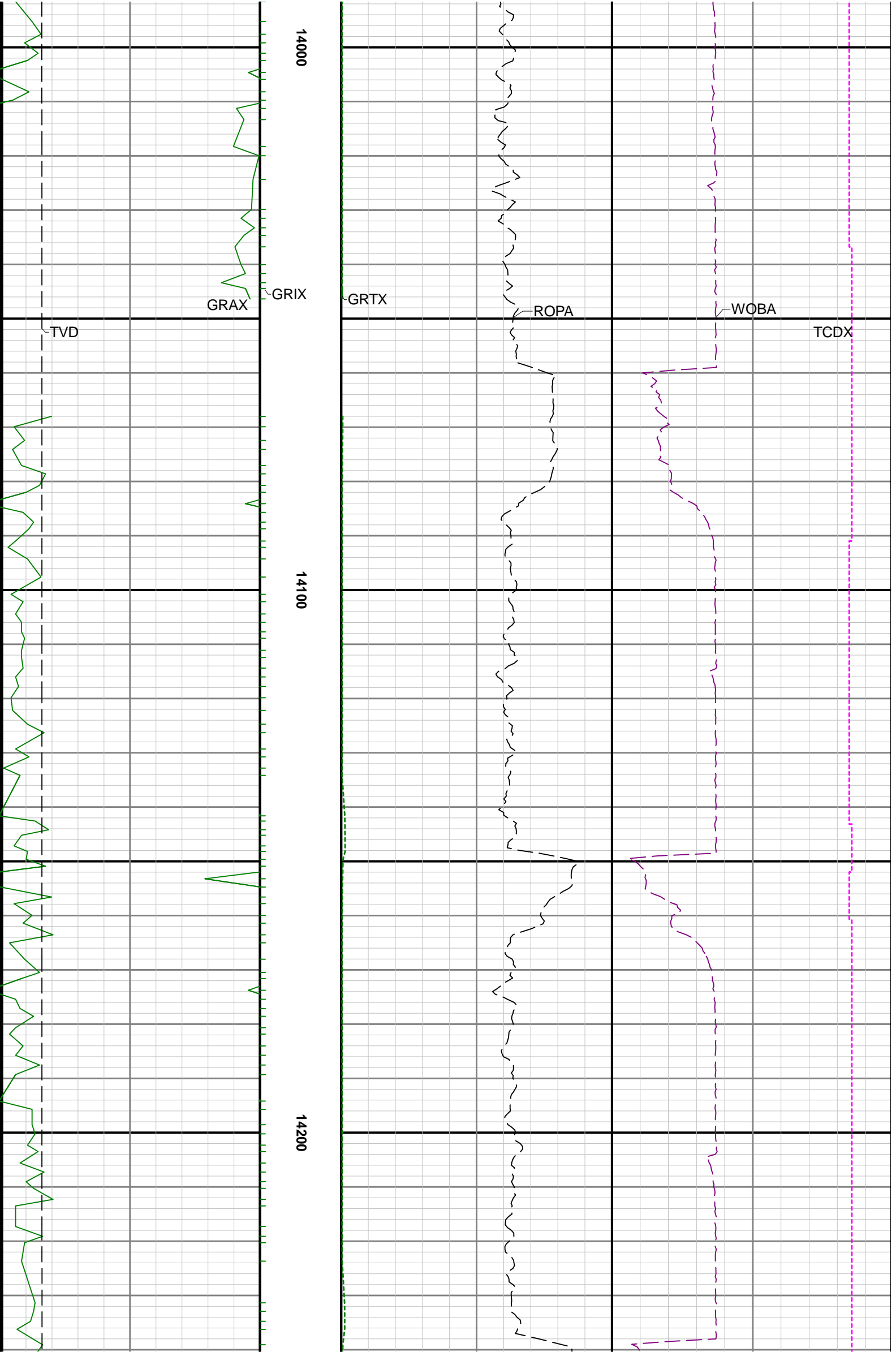


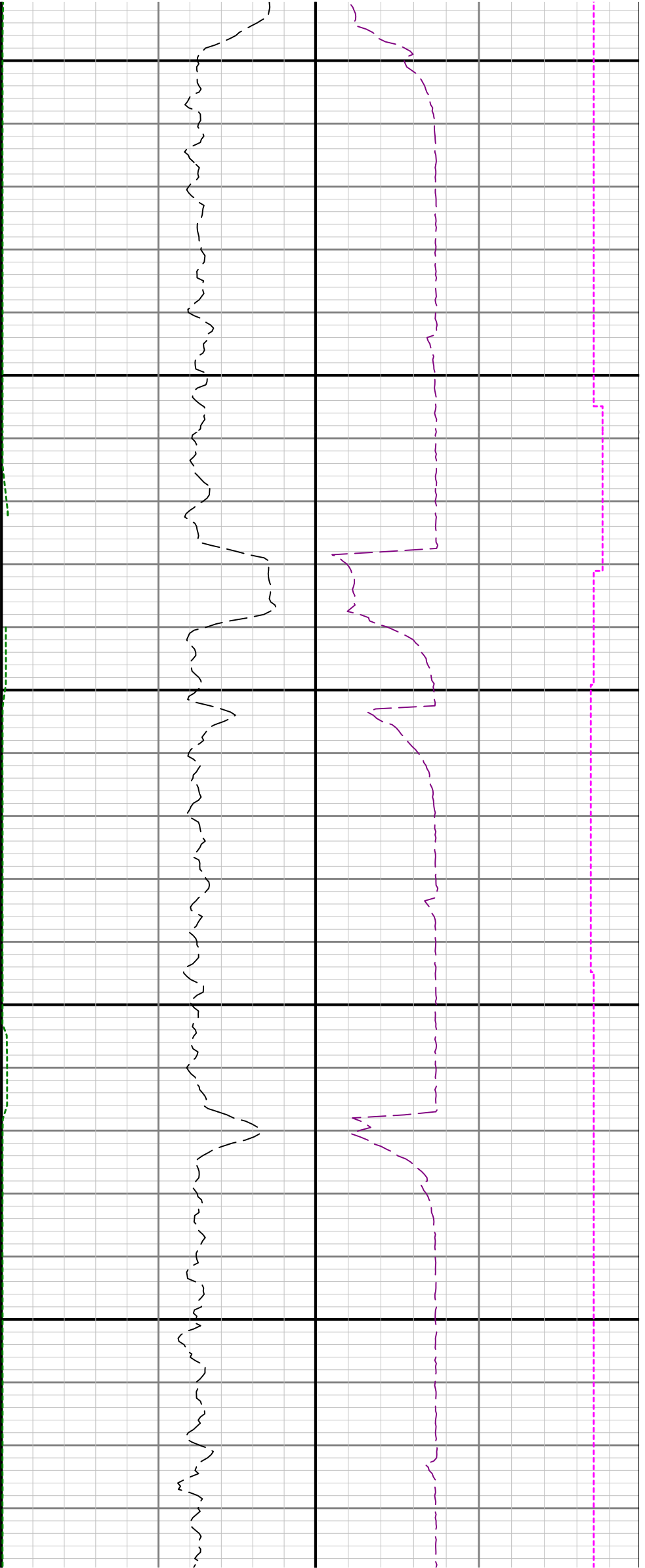






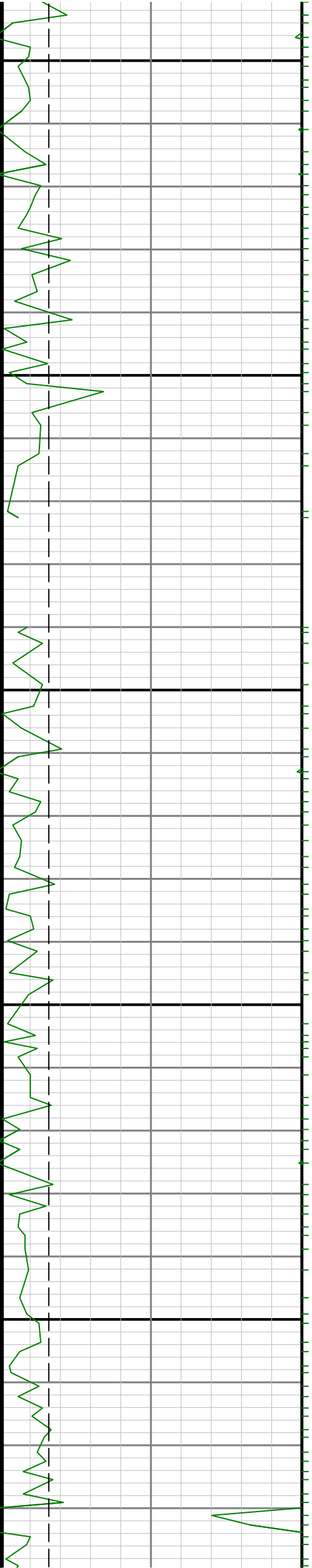


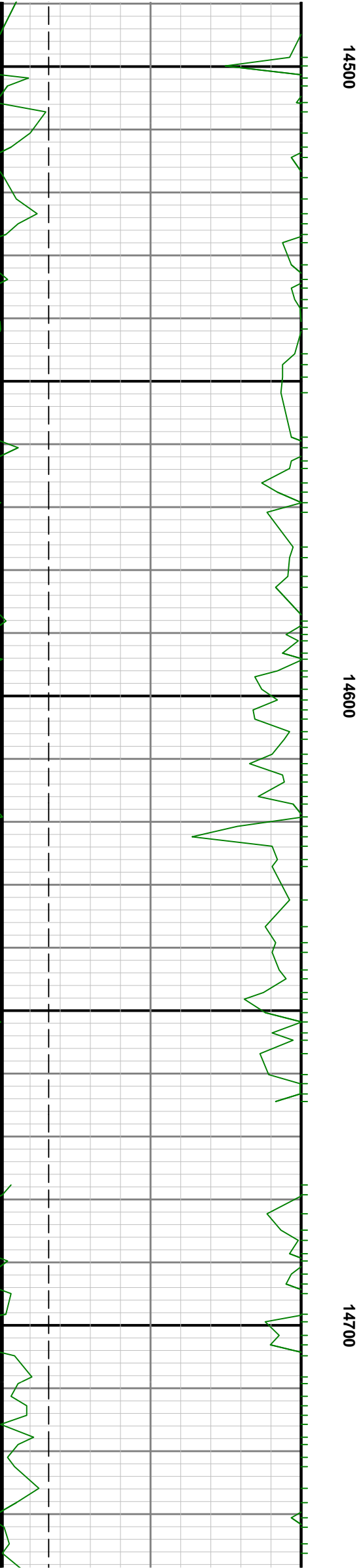


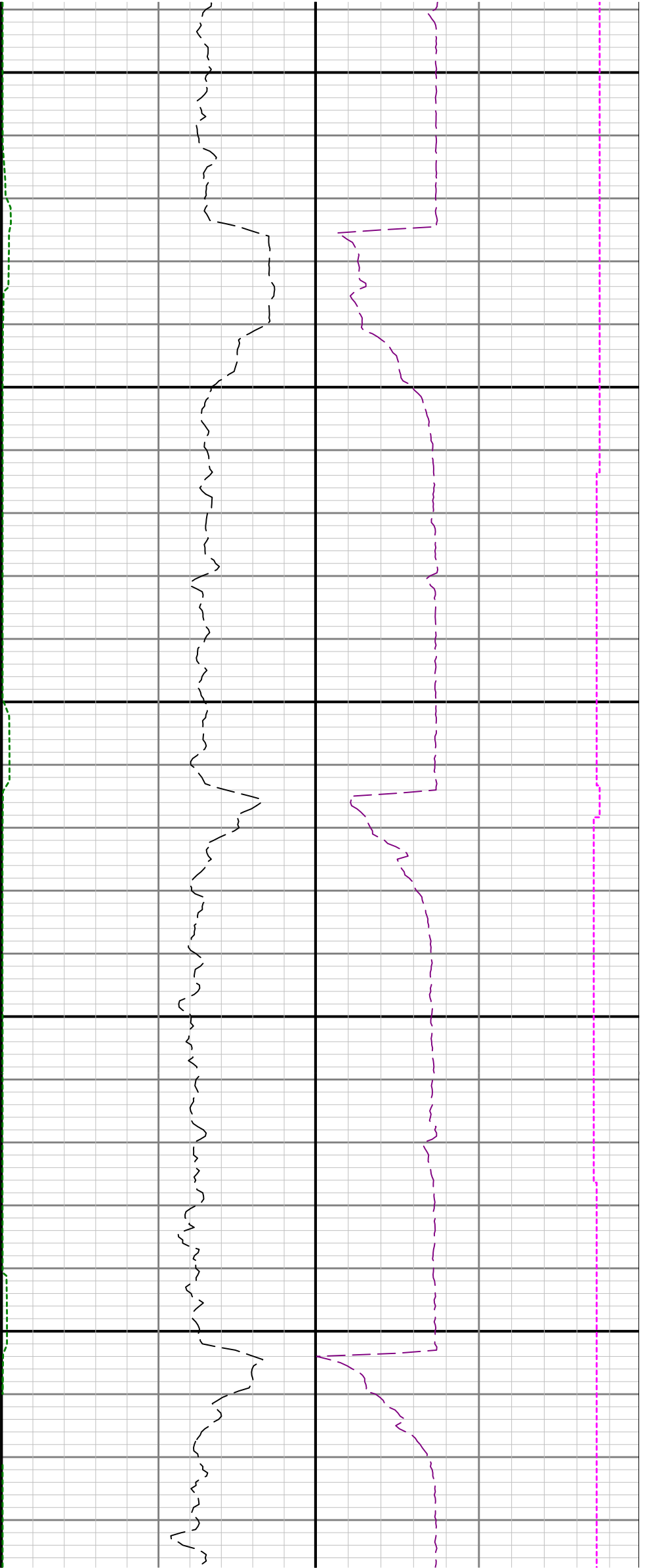


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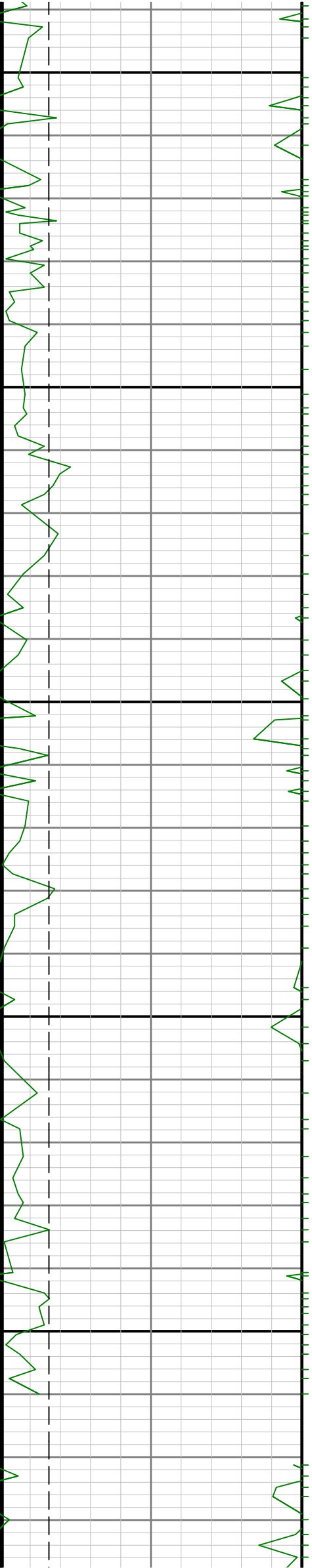


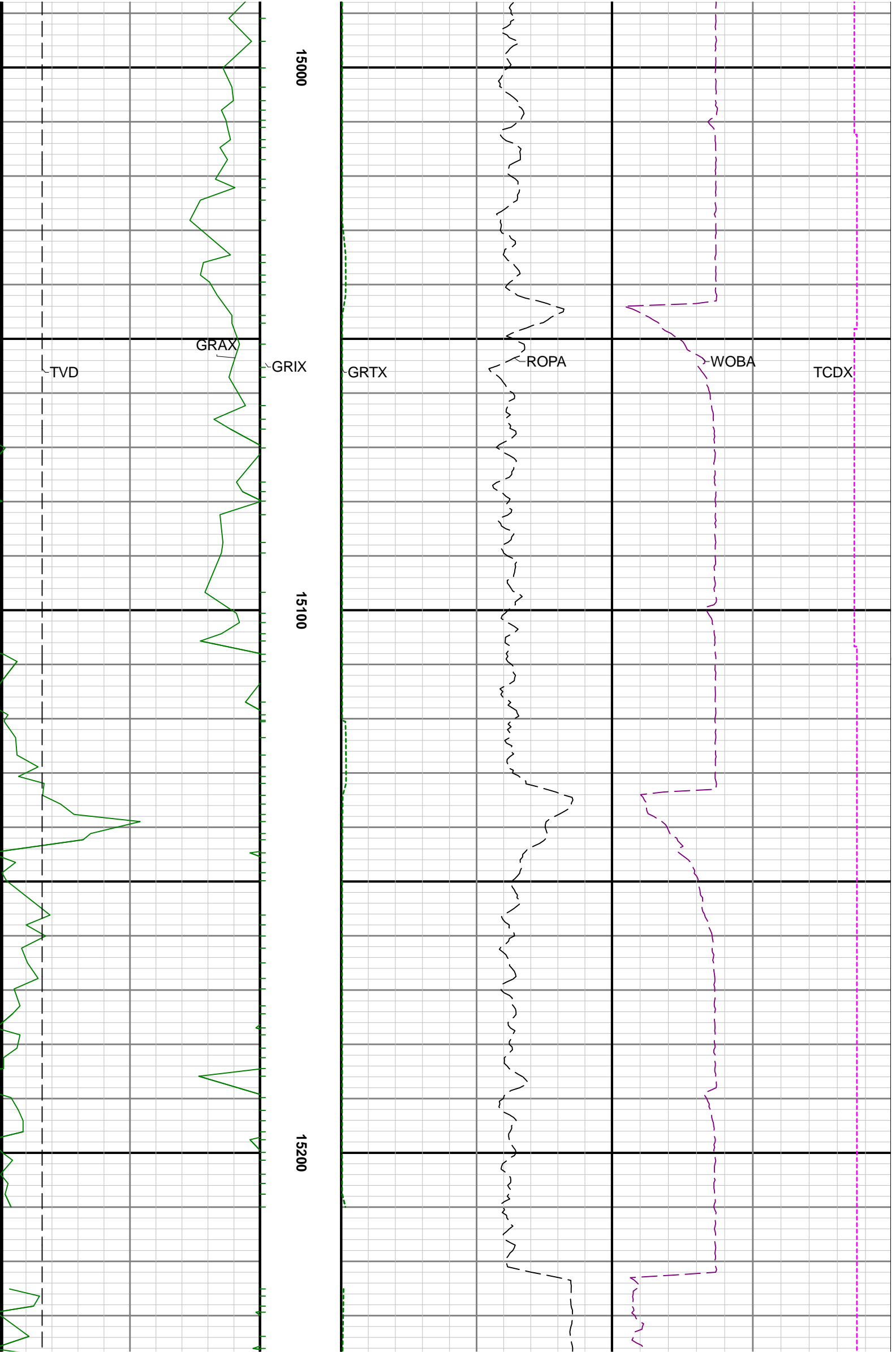


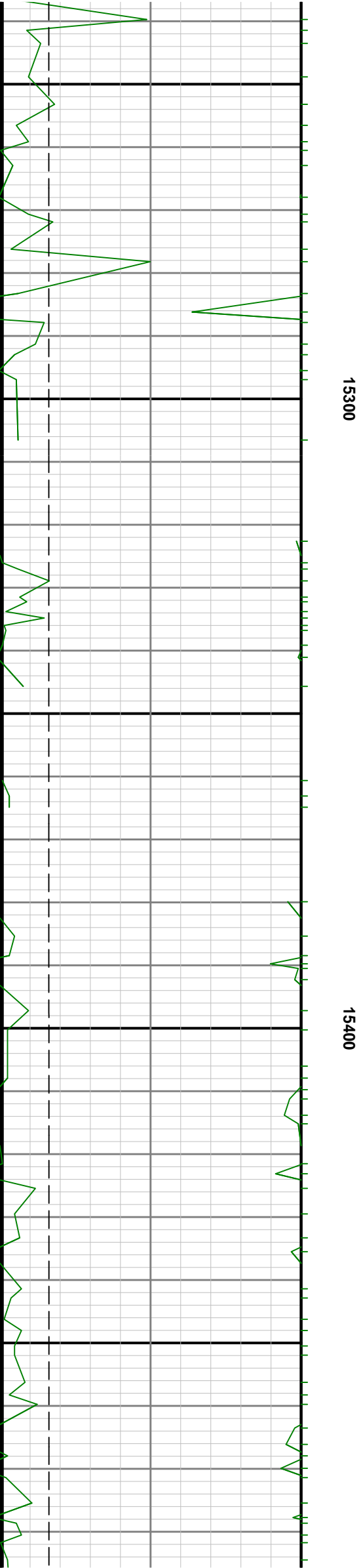
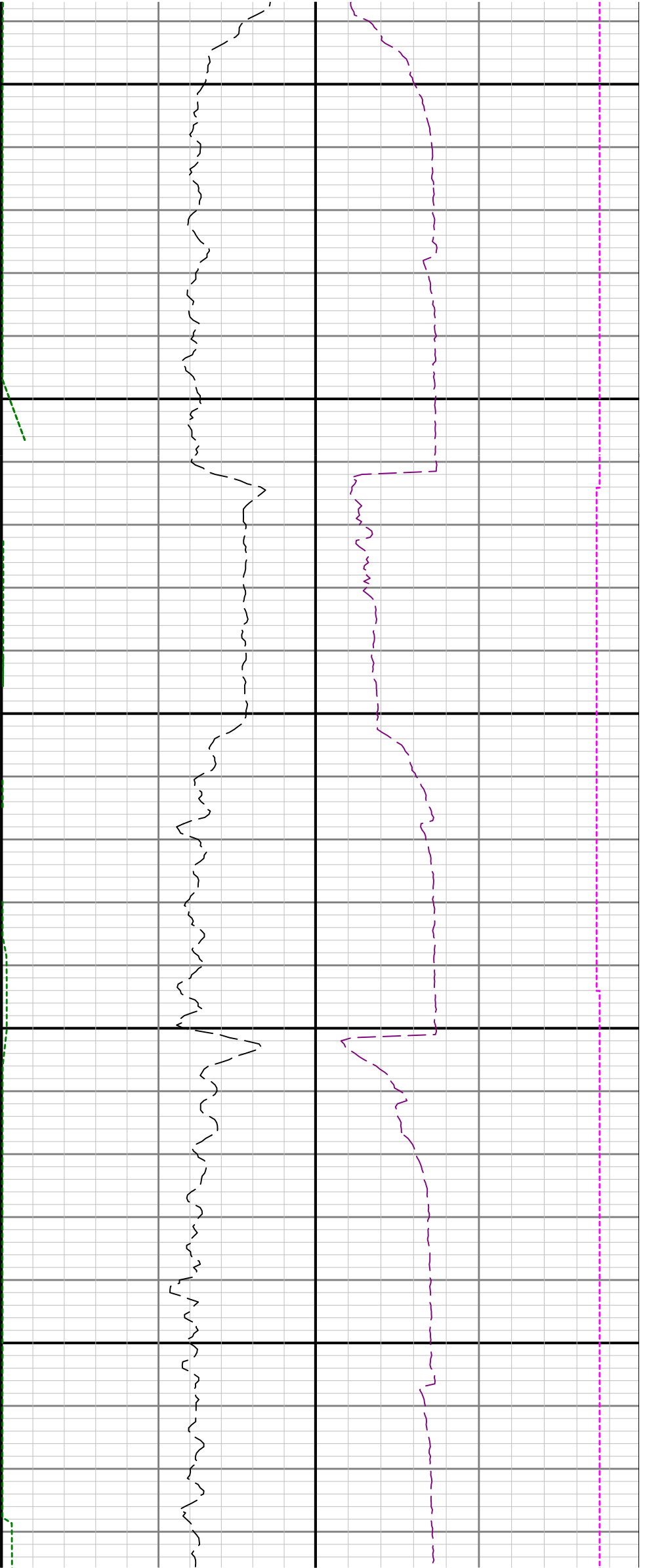


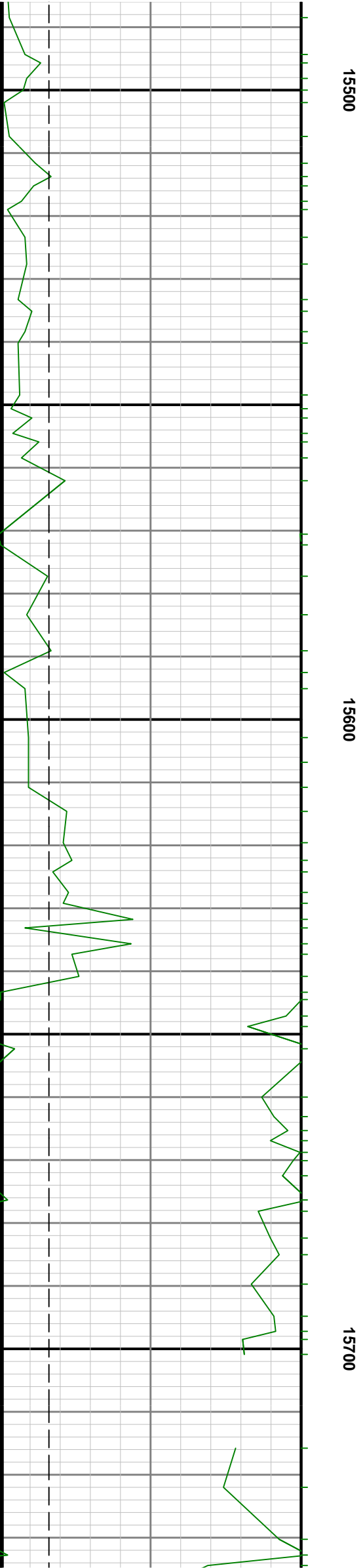
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15800

15900

