



Realtime Logs

Natural Formation Evaluation
Gamma Ray

Scale:

Company: Kerr-McGee Oil&Gas Onshore LP

1:240

Well: Steward 13N-6HZ

Measured Depth

Field: Weld County (Kerr McGee)

Region: RMA

Country: U.S.A

Status:

Final Print

Surface Location:

Latitude: 40 ° 3' 35.478" N
Longitude: 104 ° 42' 38.538" W

Other Services:

API Number: 051233959500

Section: 7 TWN: 1N Range: 65E

Directional
VSS

Permanent Datum (P.D.): Ground Level Elevation: 5021.00 ft.

Elevations: N/A
N/A

Log Measured From:

Rig Floor 17.00 ft. Above P.D.

Depth Reference:

KB: DF: GL: 5004.00 ft.

Interval Logged

Dates

Magnetic Field Reference

Top: 6541.0 ft. Date From: 04 Dec 14 Dip Angle: 66.54 ° Azi Reference North: True

Bottom: 50000.0 ft. Date To: 11 Dec 14 Total Mag to Reference

Spud Date: 04 Dec 14 Field Strength: 52787.0 nT North Correction: 8.07 °

Borehole Record

Casing Record

Hole Size	From	To	Size	Weight	From	To
13,500 in.	Surface	1634.0 ft.	9,600 in.	36.00 lb/ft	Surface	1623.0 ft.
8,750 in.	1634.0 ft.	7814.0 ft.	7,000 in.	36.00 lb/ft	Surface	7803.0 ft.
6,125 in.	7814.0 ft.	13337.0 ft.				

Mud Record

Deviation Record

Type	From	To	Hole Size	Interval	Inc / Az (Start)	Inc / Az (End)
Water Base	Surface	13337.0 ft.	13,500 in.	1634.0 ft.	0.0 ° / 0.0 °	0.2 ° / 32.1 °
			8,750 in.	6180.0 ft.	0.2 ° / 32.1 °	82.1 ° / 4.7 °
			6,125 in.	5523.0 ft.	82.1 ° / 4.7 °	91.5 ° / 2.5 °
					/	/
					/	/
					/	/
					/	/

Acquisition System Software Version

Other

Advantage	2.20U4	Rig: / Contractor:	Xtreme 8	/	Advance Drilling
PAIS	6.4.1.34	Job No:	6742653		
		District: / Unit:	RMD		/ D&E

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Log Run Summary

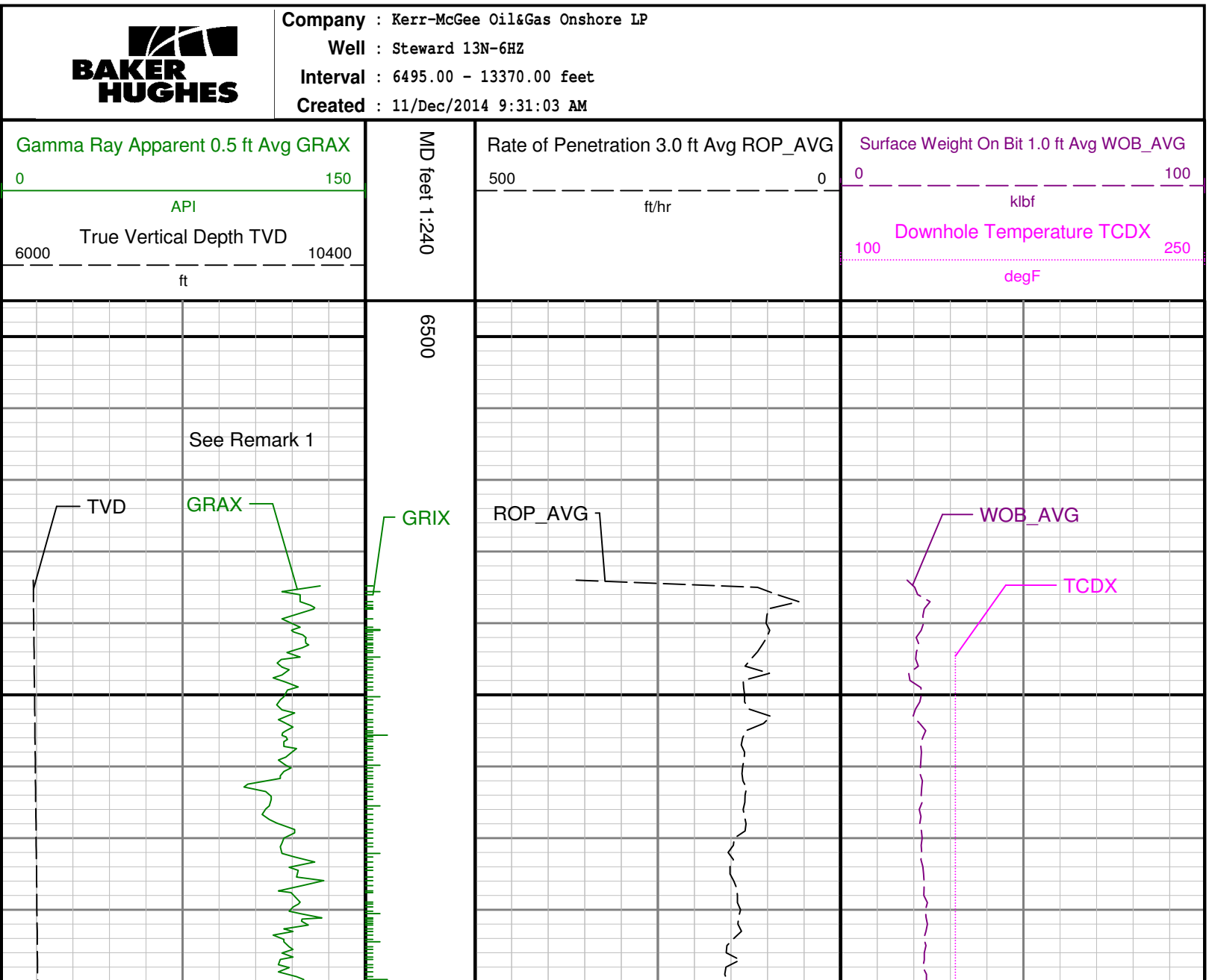
LWD Run No.	BHA Run No.	Bit Run No.	Bit Size (in.)	Bit Type	Bit Gauge Length (in.)	Assembly Type	Logged Interval		Bit Depth Interval		Date / Time				Circ. Time (hrs.)
							Top	Bottom	From	To	Start		End		
							(ft.)	(ft.)	(ft.)	(ft.)					
1	1	1	8.750	PDC	N/A	Mud Motor	0.0	0.0	1634.0	1814.0	05 Dec 14 15:02	05 Dec 14 16:20	05 Dec 14 14:50	05 Dec 14 14:50	4
2	2	3	8.750	PDC	N/A	Mud Motor	6541.0	7759.0	1814.0	7814.0	05 Dec 14 22:04	05 Dec 14 14:50	05 Dec 14 14:50	05 Dec 14 14:50	39.91
3	3	4	6.125	PDC	N/A	Mud Motor	7759.0	13279.0	7814.0	13337.0	09 Dec 14 13:54	12 Dec 14 08:45	12 Dec 14 08:45	12 Dec 14 08:45	46.93

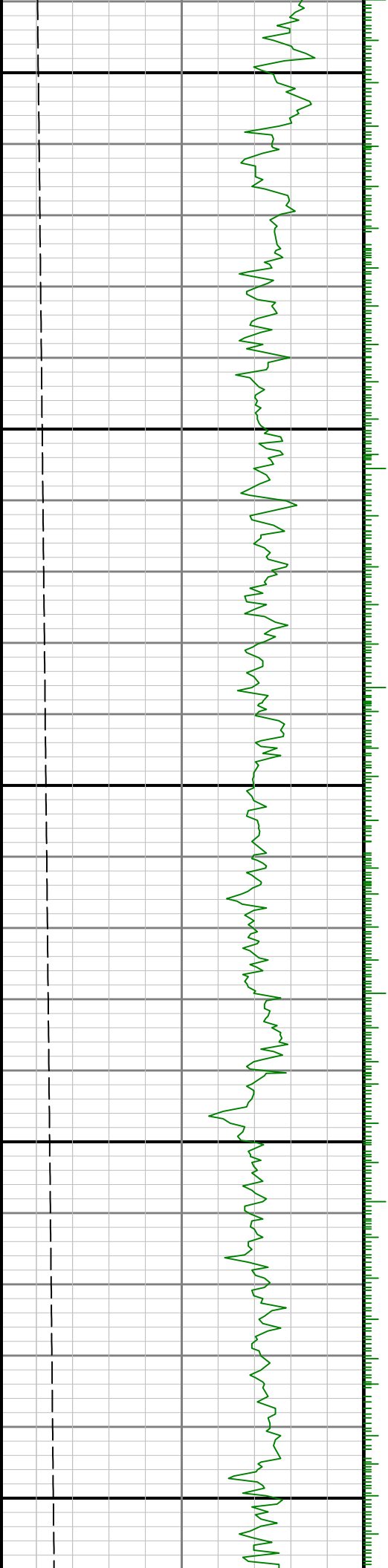
Crew

Name	Arrive	Depart	Name	Arrive	Depart	Name	Arrive	Depart
	Wellsite	Wellsite		Wellsite	Wellsite		Wellsite	Wellsite
Adewale Adedeji	04 Dec 14	12 Dec 14	Shirley Arimah	09 Dec 14	12 Dec 14	Kevin Sheridan	04 Dec 14	09 Dec 14

2	7814	8.750	2	hole for a reaming run of the wellbore, casing, cement operations. Gamma data is attenuated due to logging behind casing.
3	13279	6.125	3	The interval from 13279 to 13337 feet MD (7159 to 7157 feet TVD) was not logged due to sensor offsets to bit at TD.

Curve Mnemonics		
Curve	Description	Units
GRAX	Gamma Ray - Apparent	API
GRIX	Gamma Ray - Data Point Indicator	unitless
ROP_AVG	Depth Averaged ROP	ft/hr
TCDX	Downhole Temperature	degF
TVD	True Vertical Depth TVD	ft
WOB_AVG	AVERAGE Weight On Bit	klbf

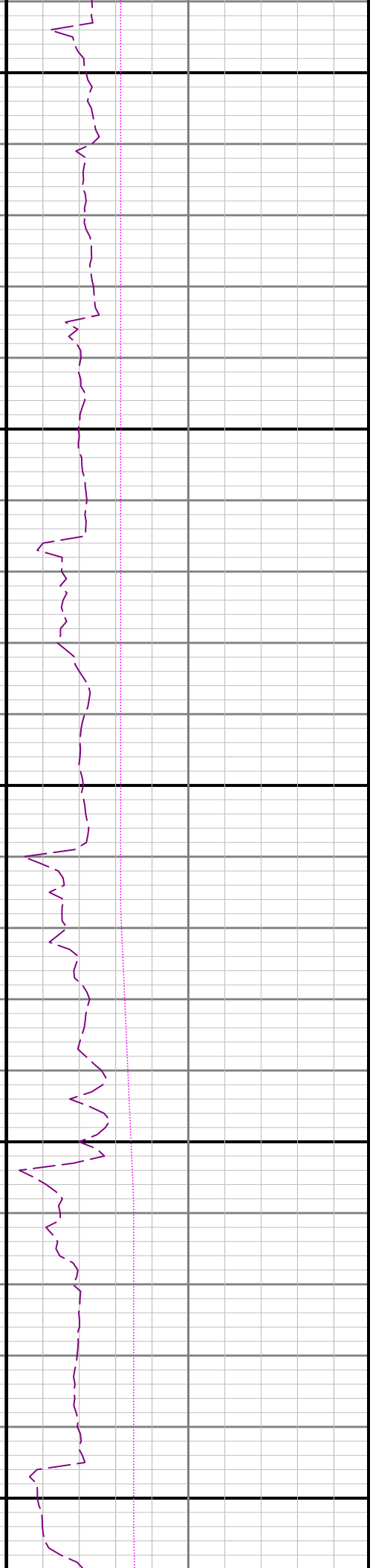
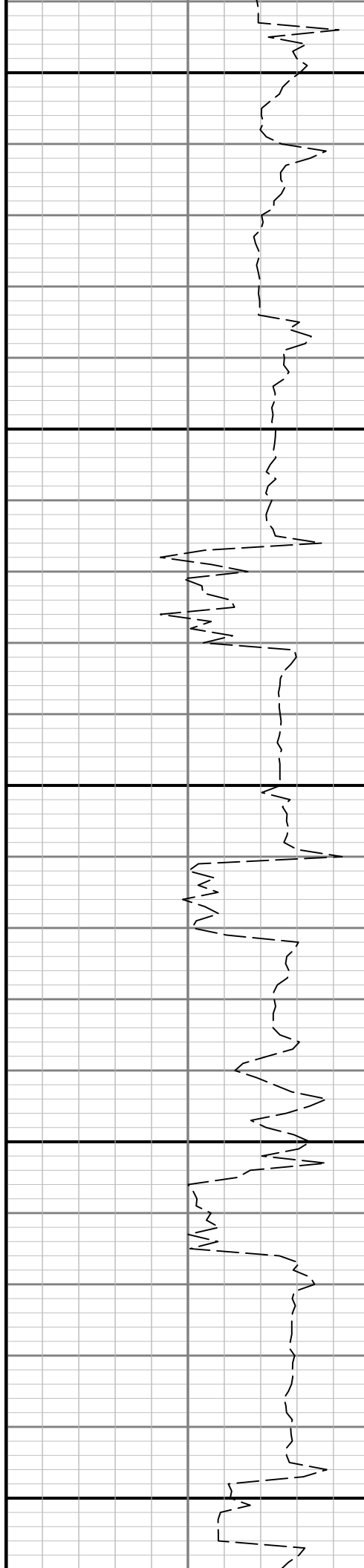


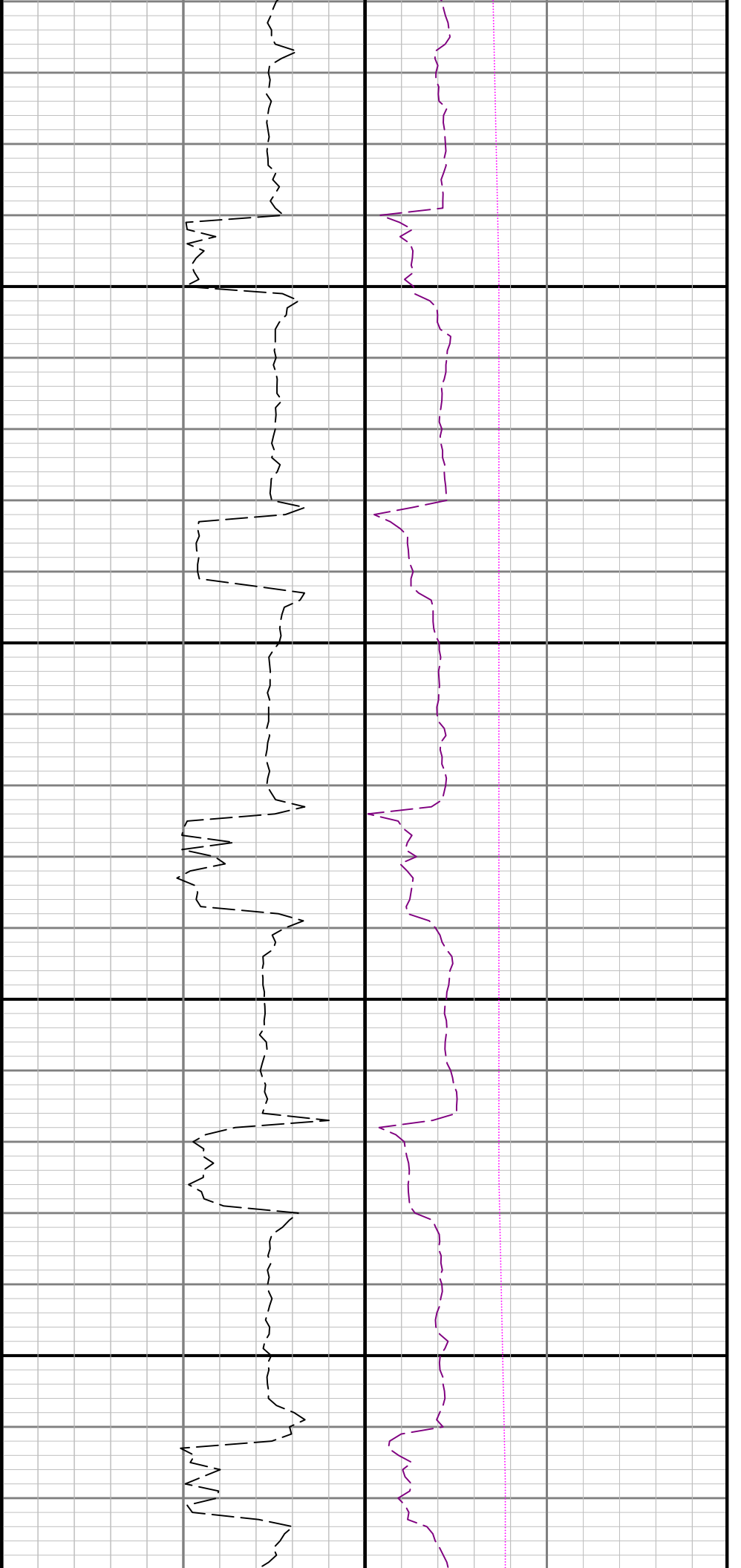


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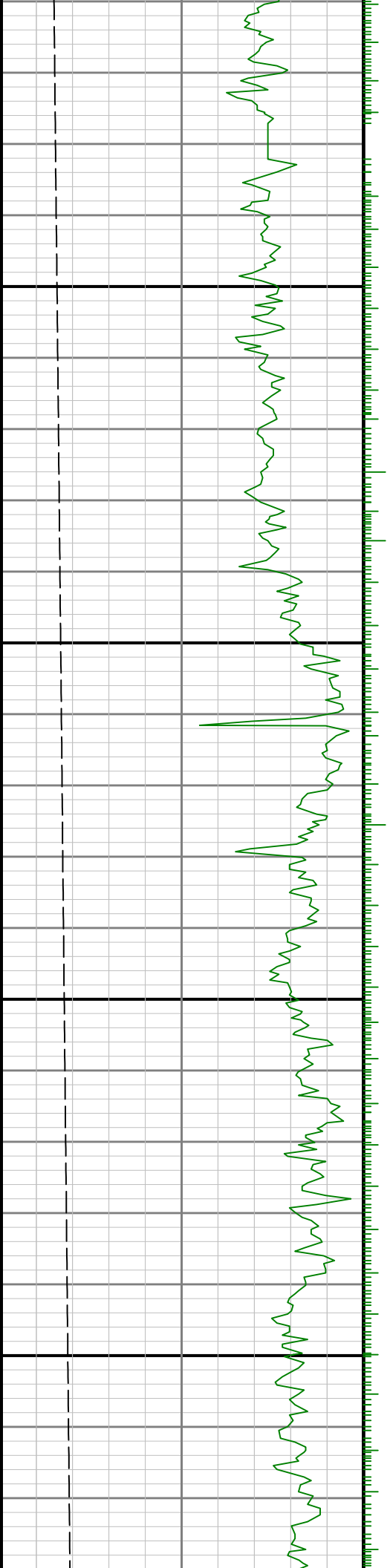
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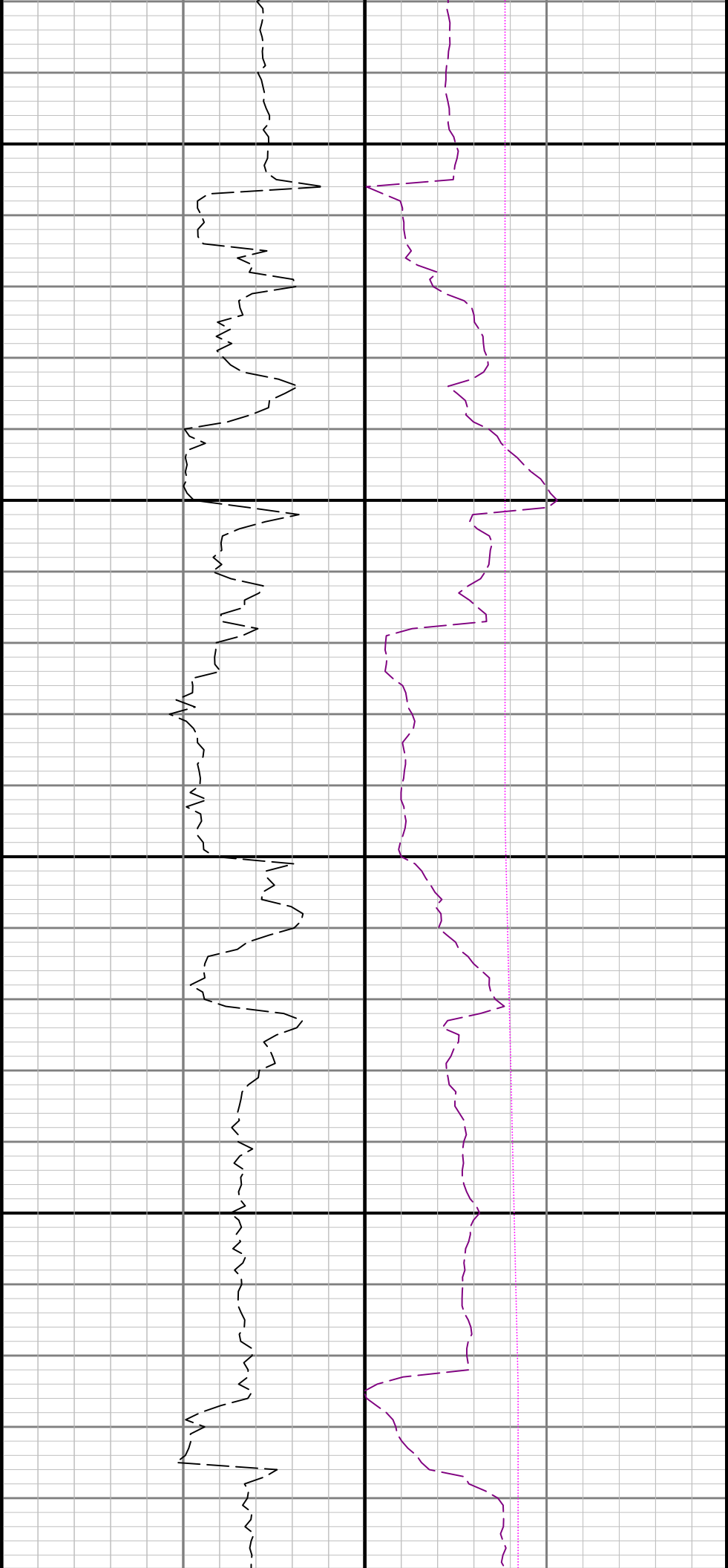




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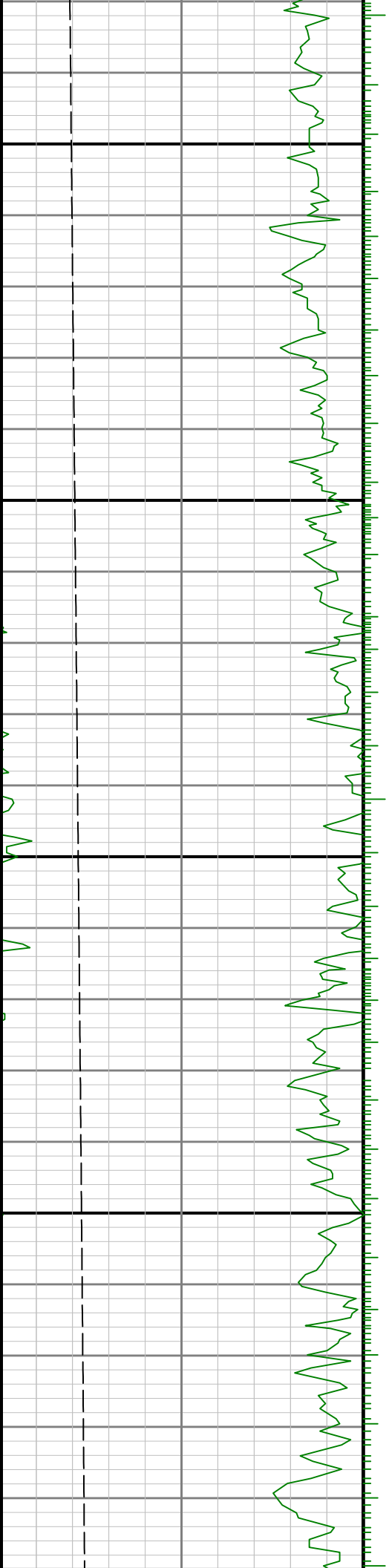
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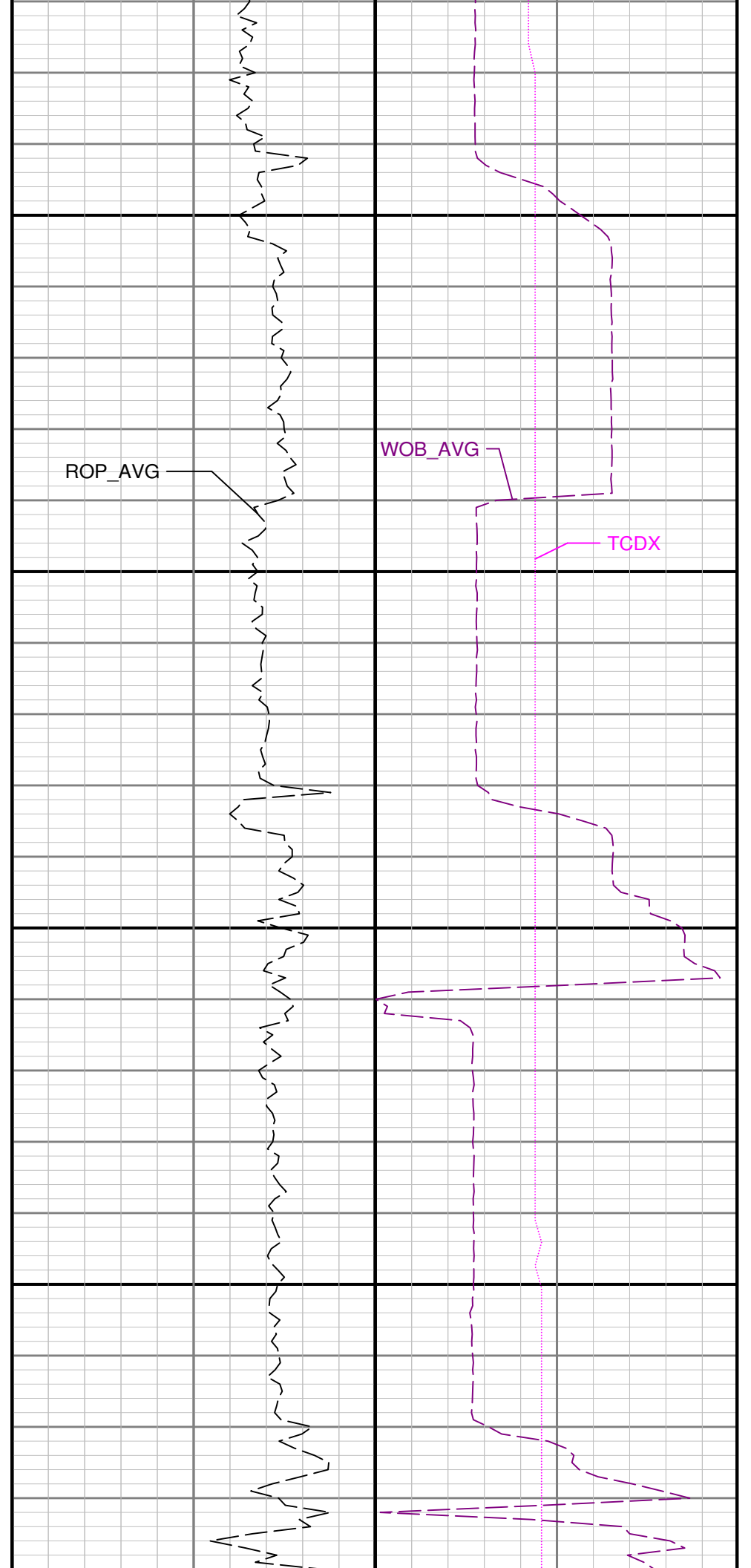
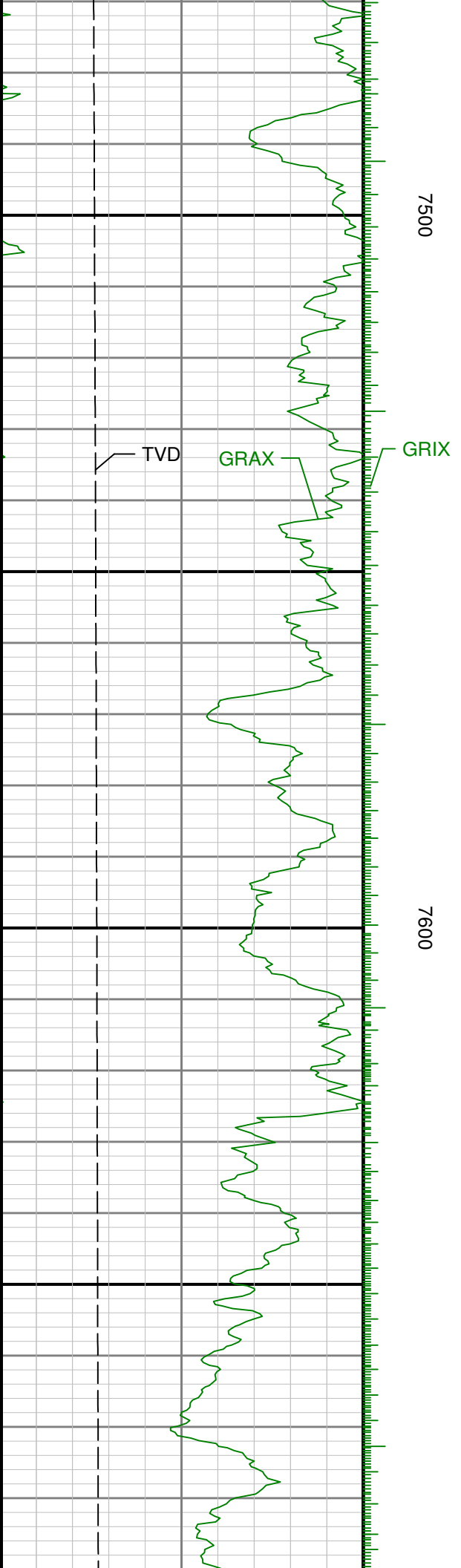


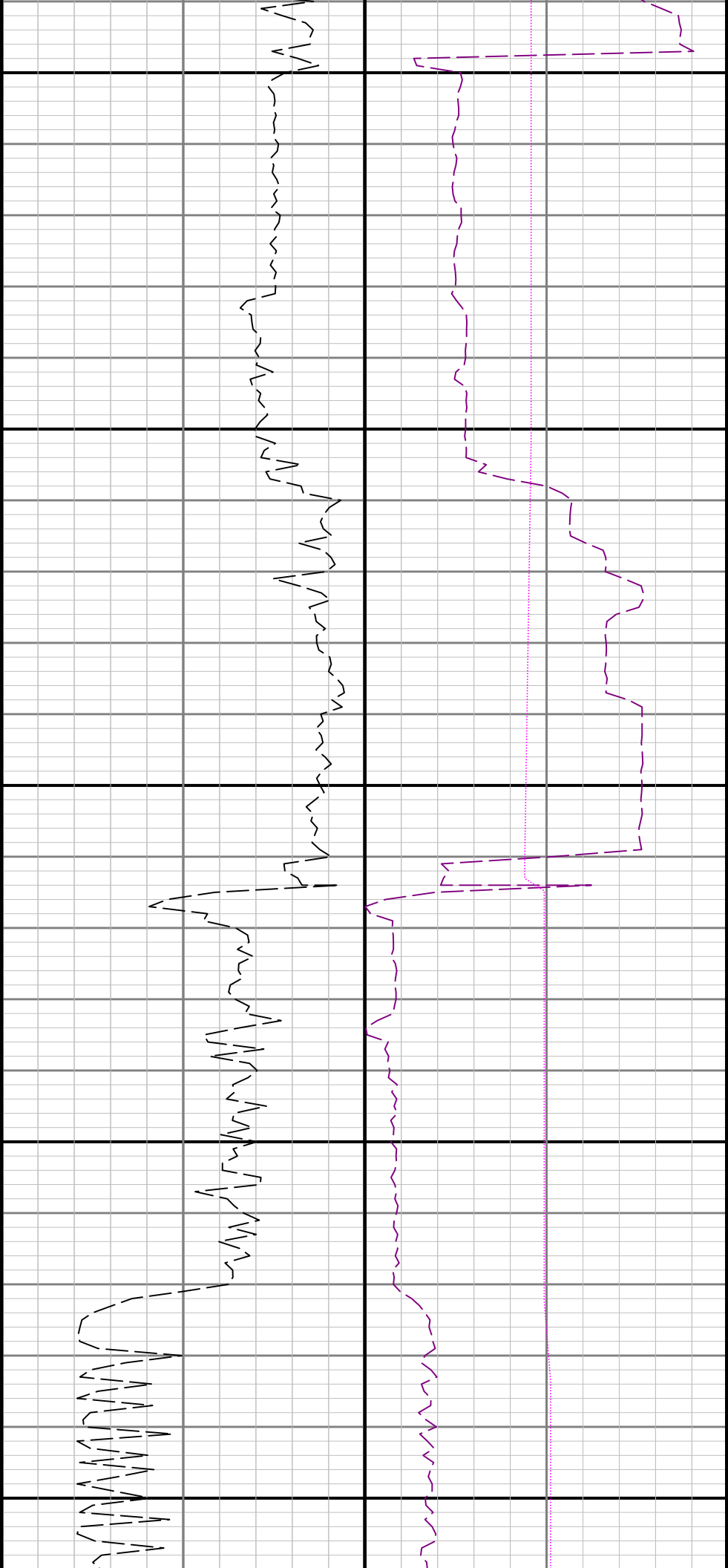


7100

7200







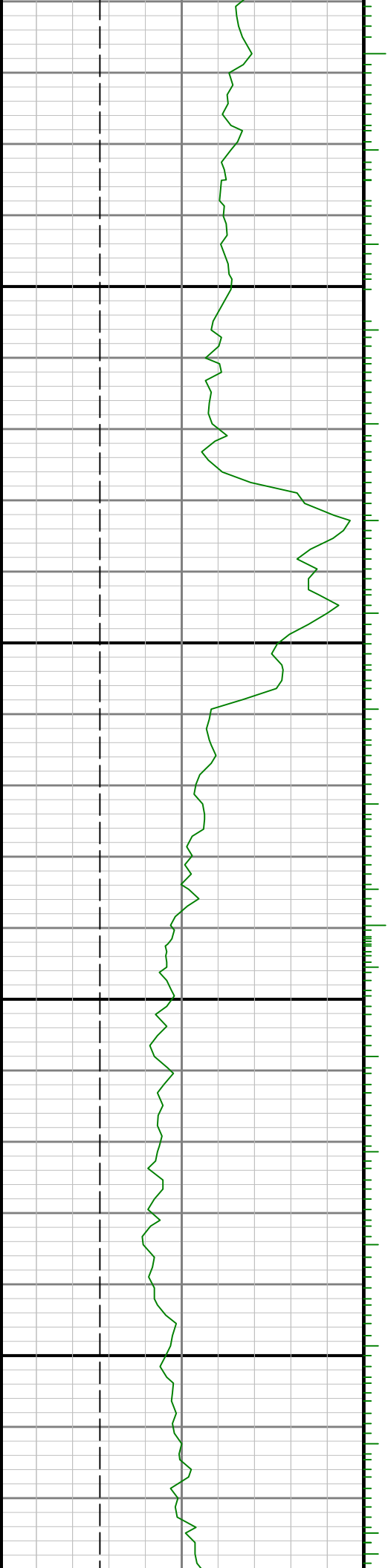
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7" Casing
7800

Run 2 < > Run 3

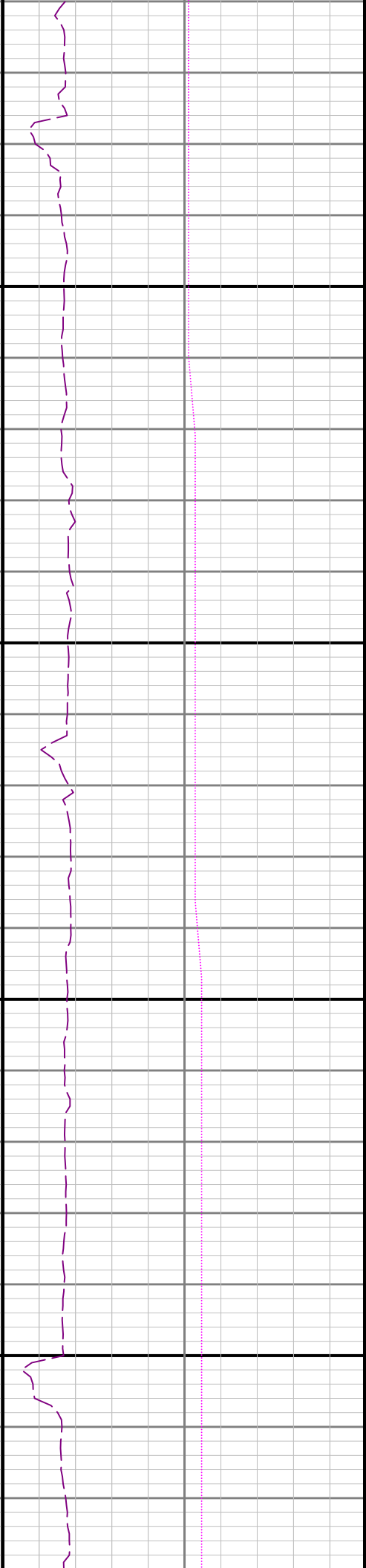
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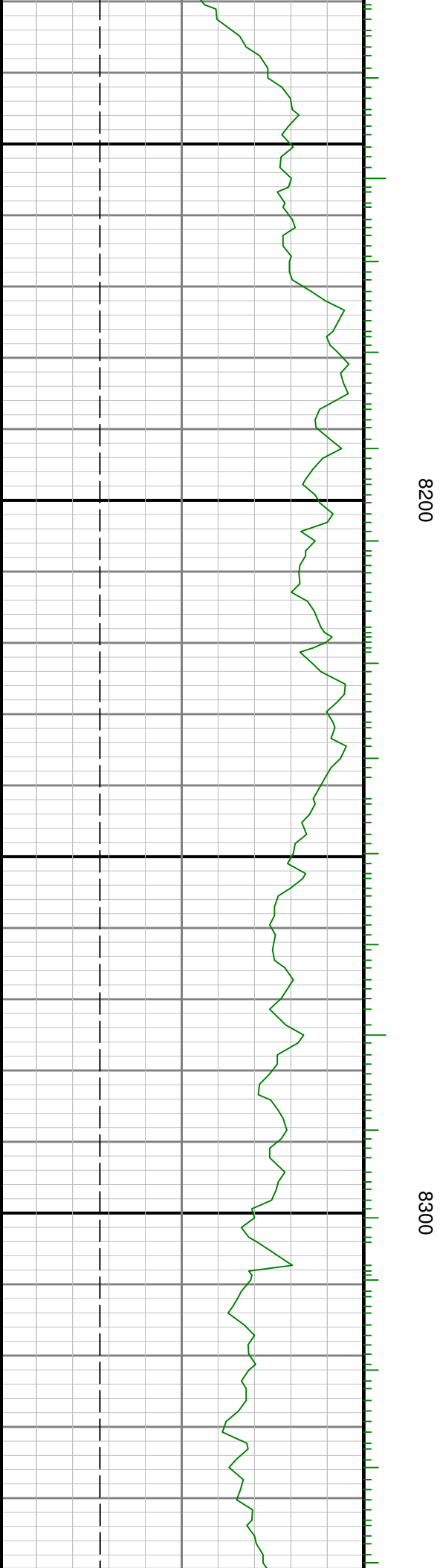
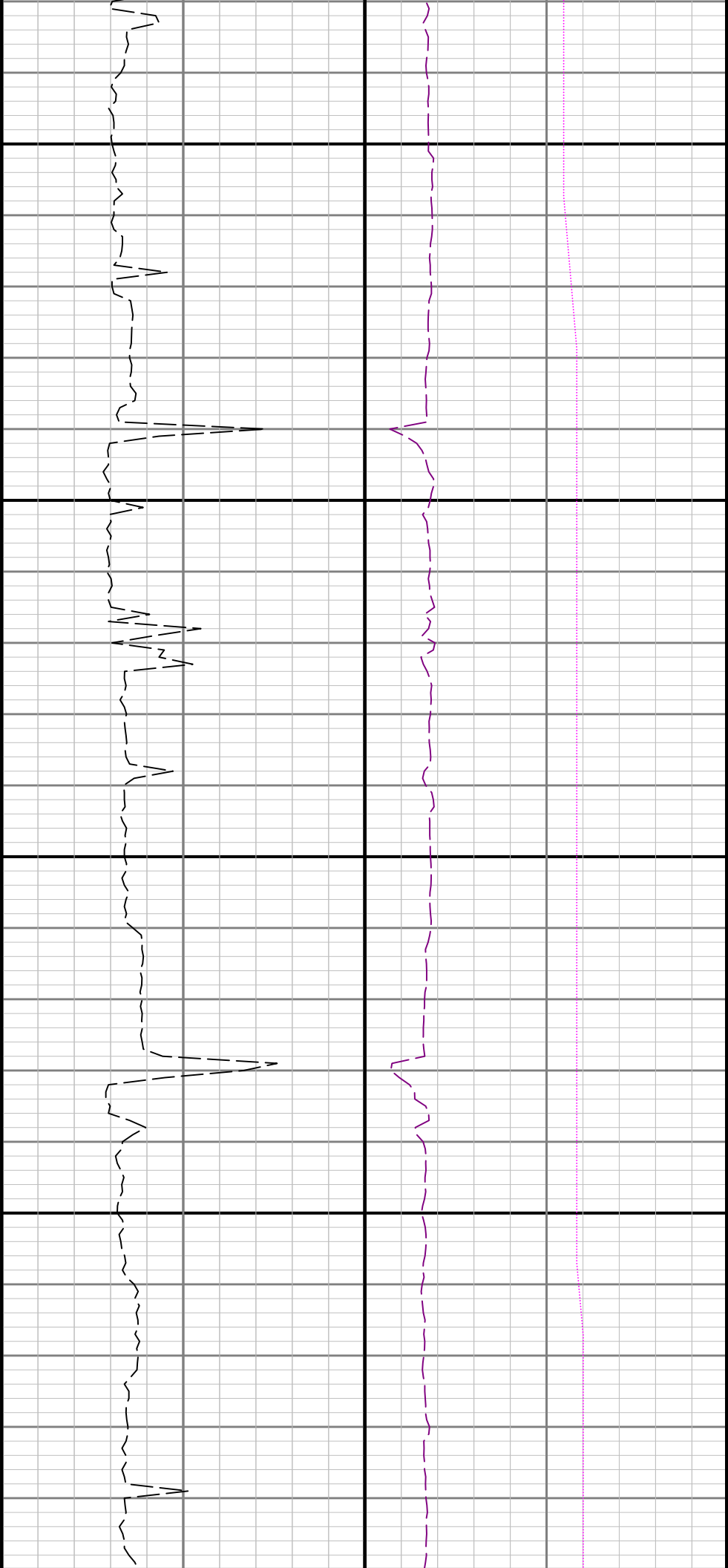
See Remark 2

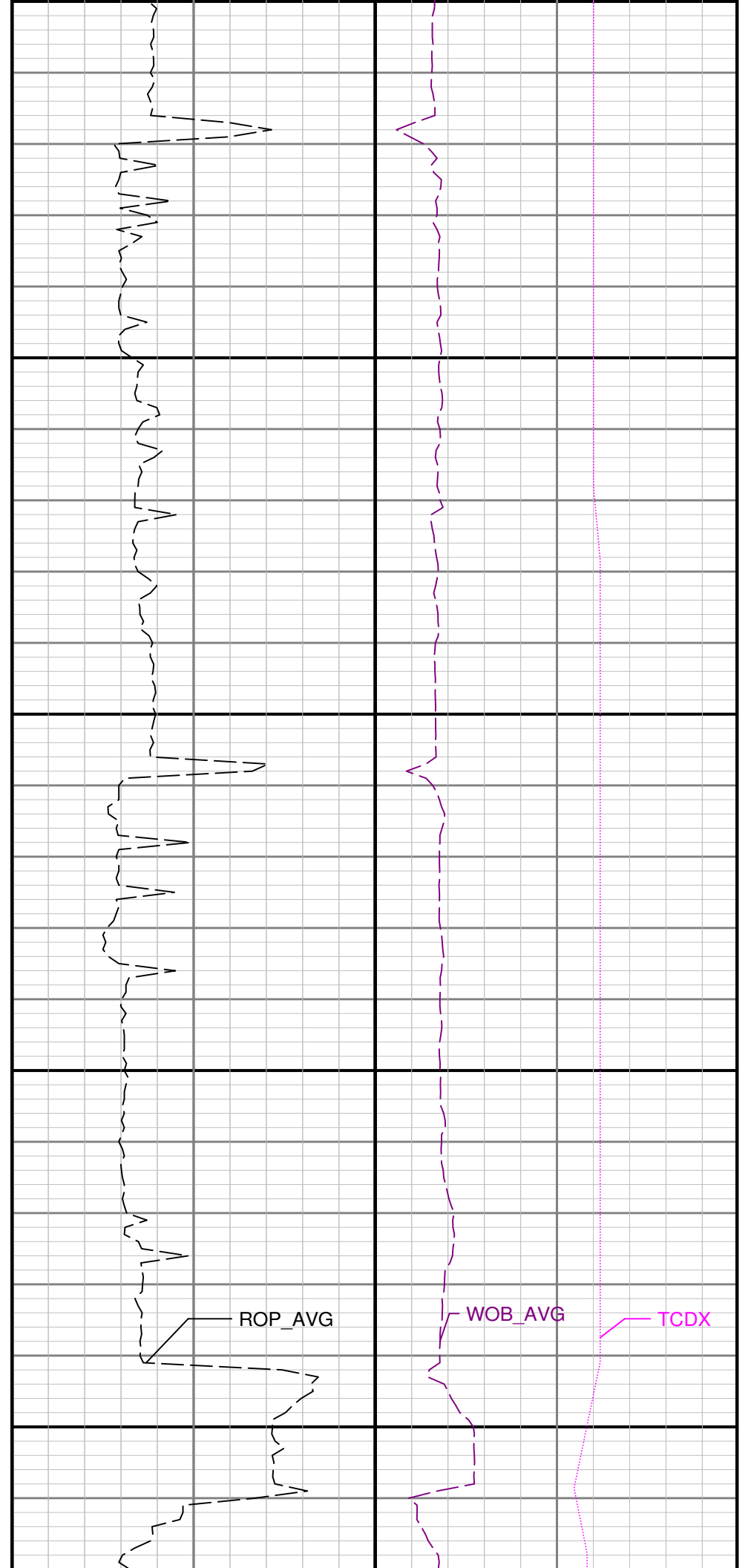
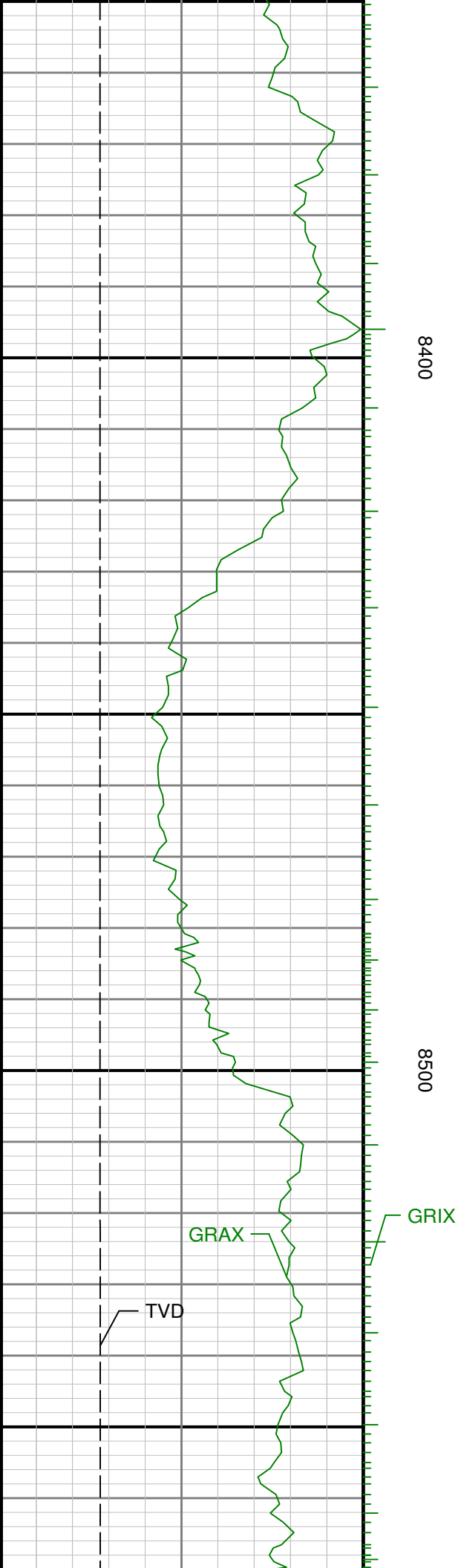


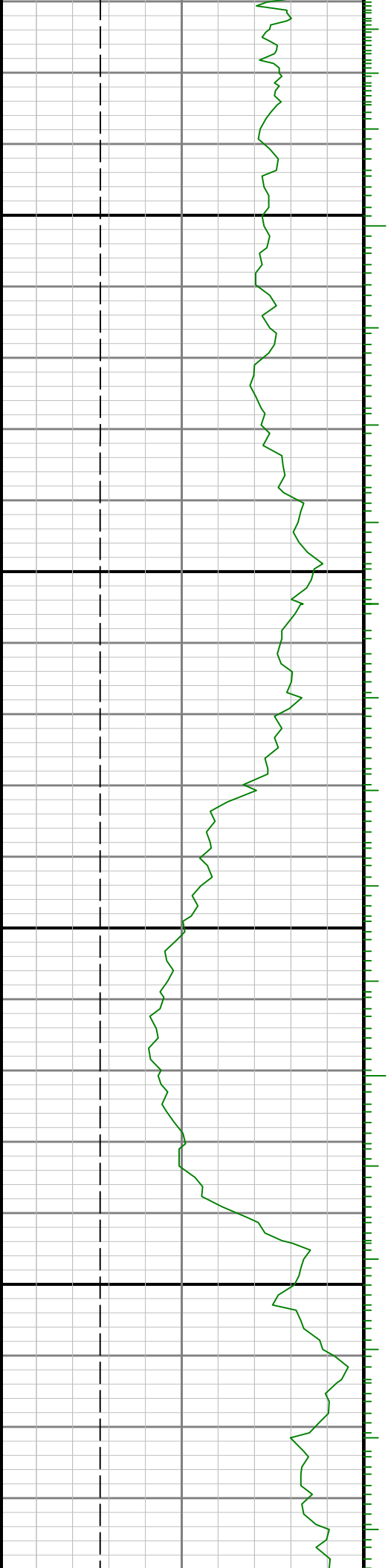
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8100





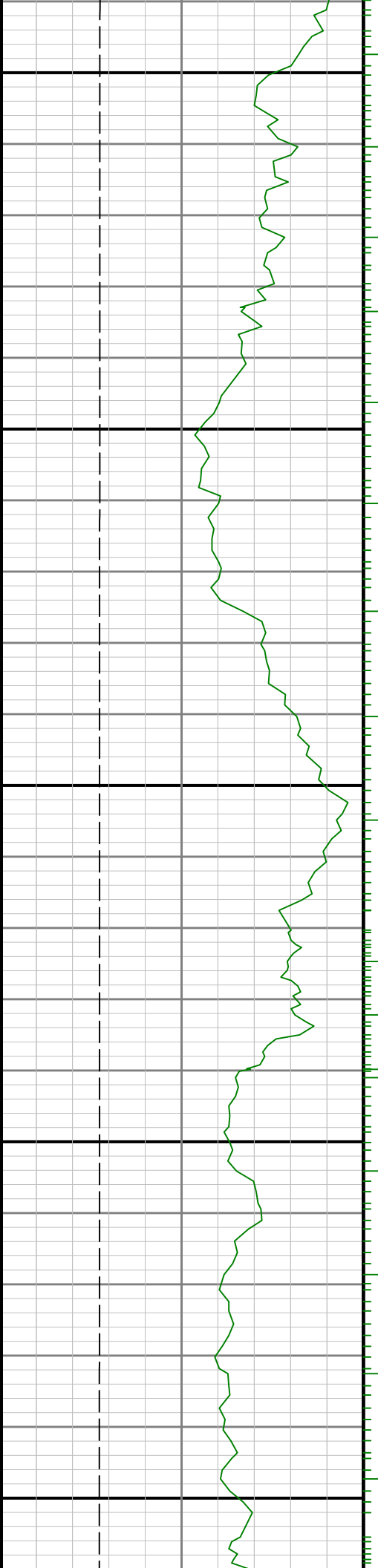




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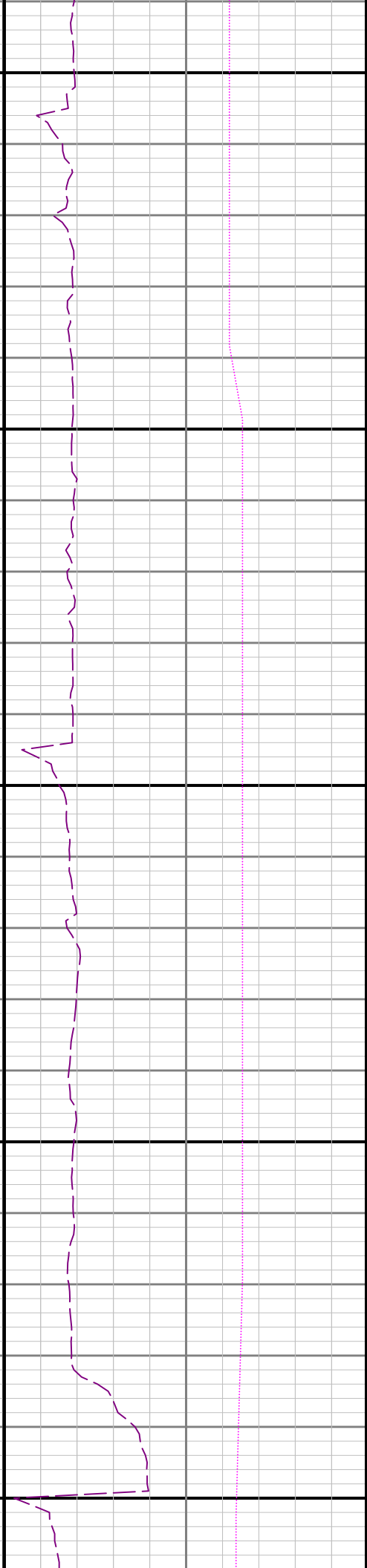
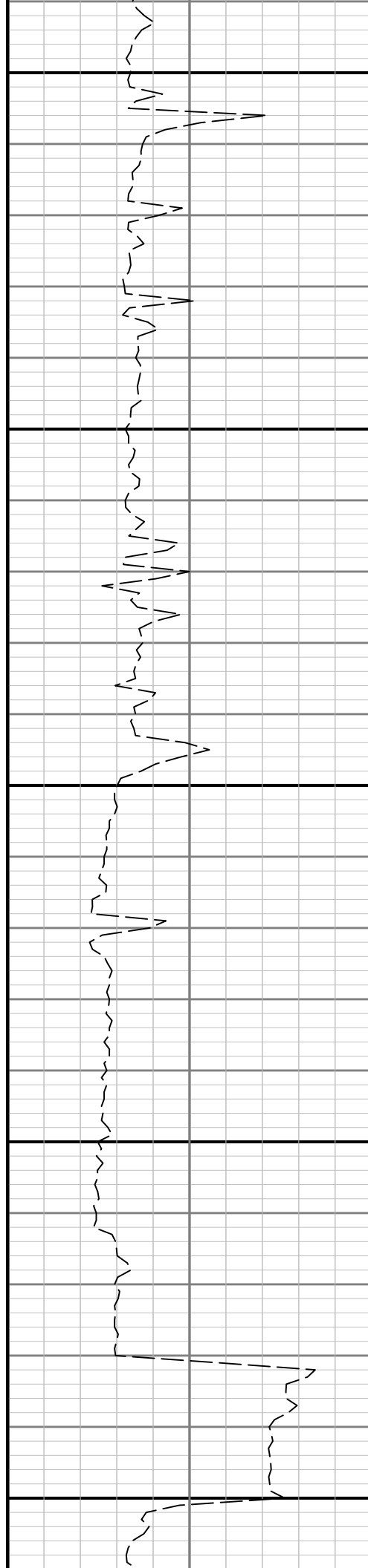


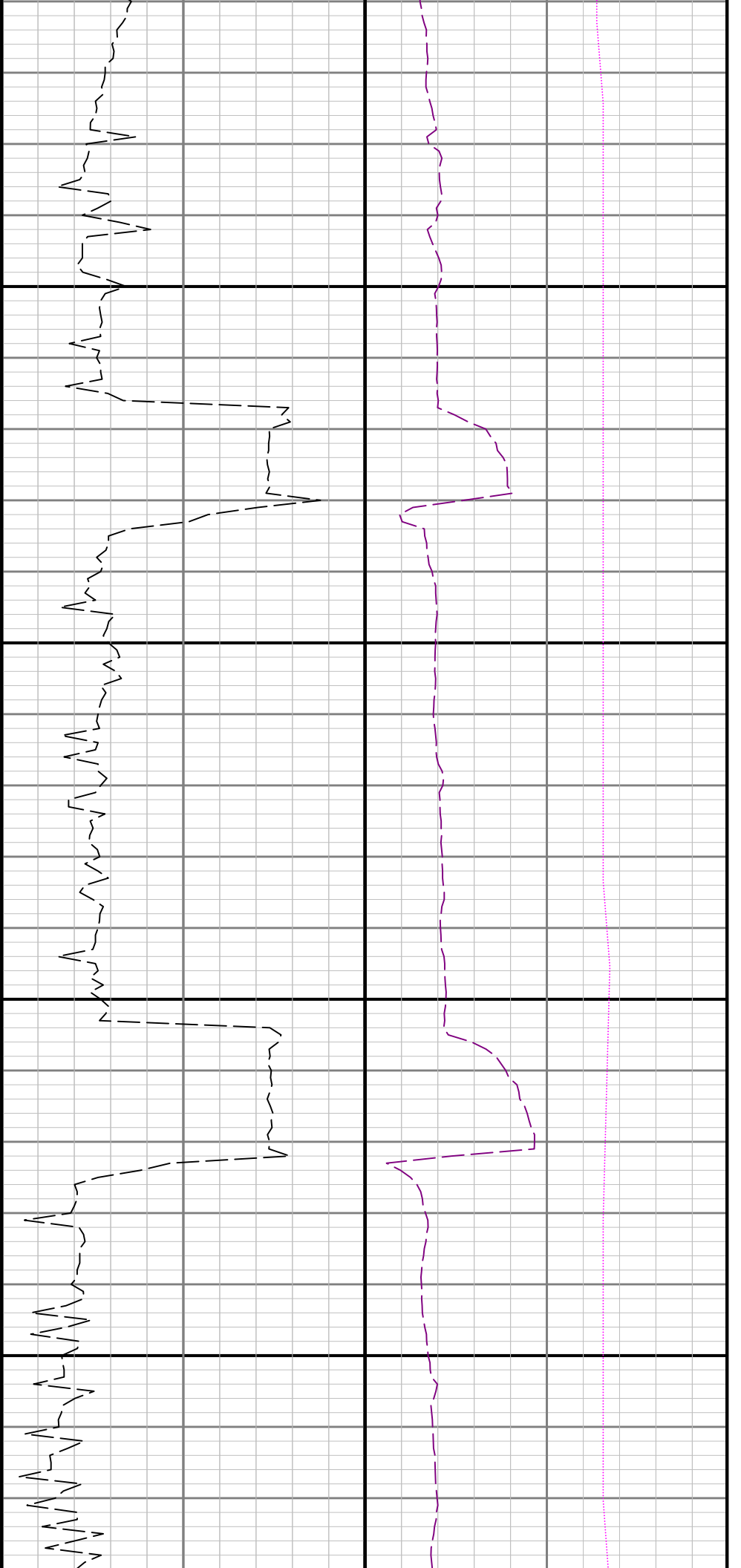


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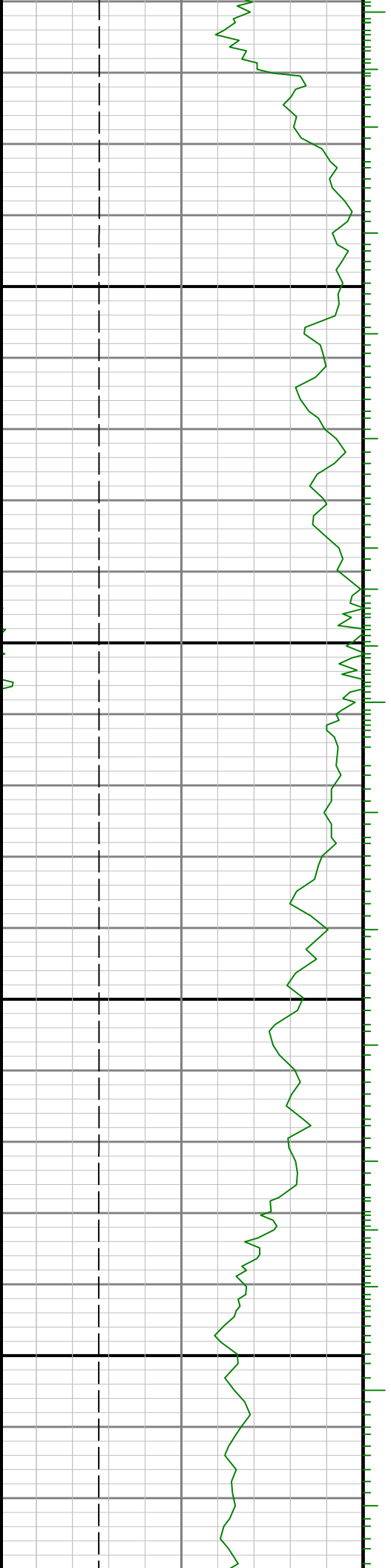
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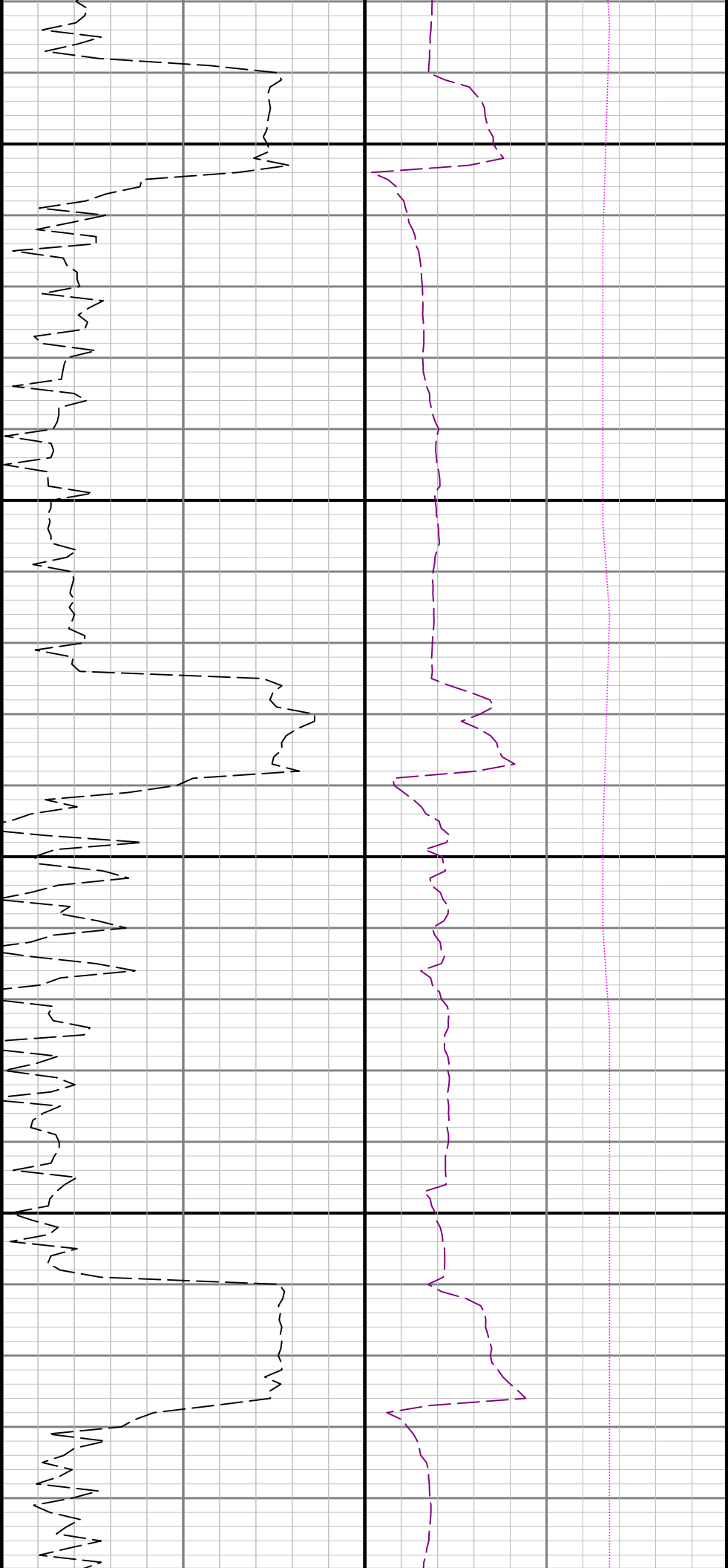




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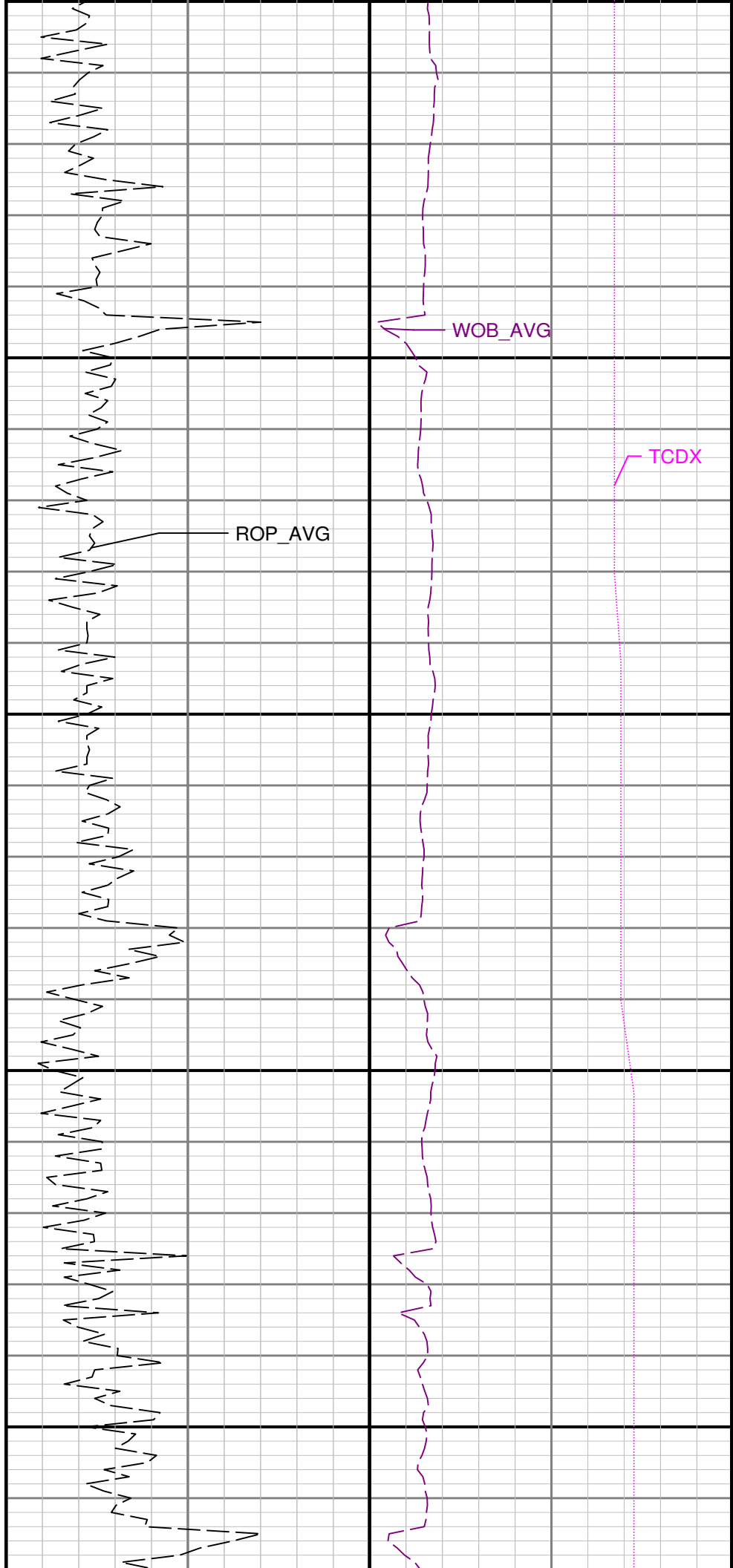
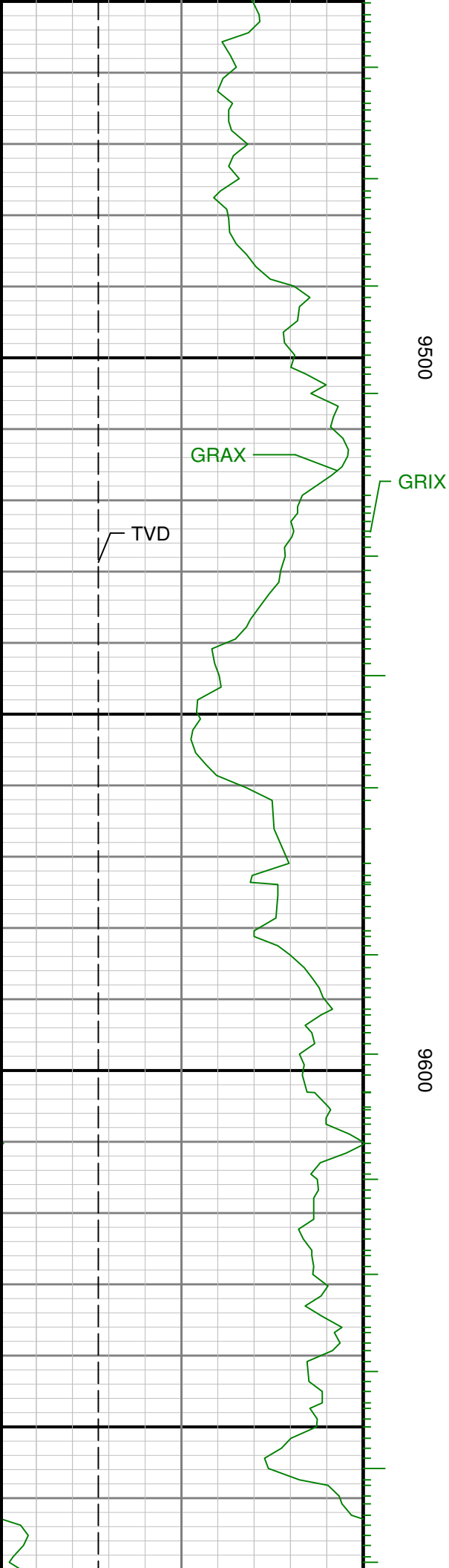
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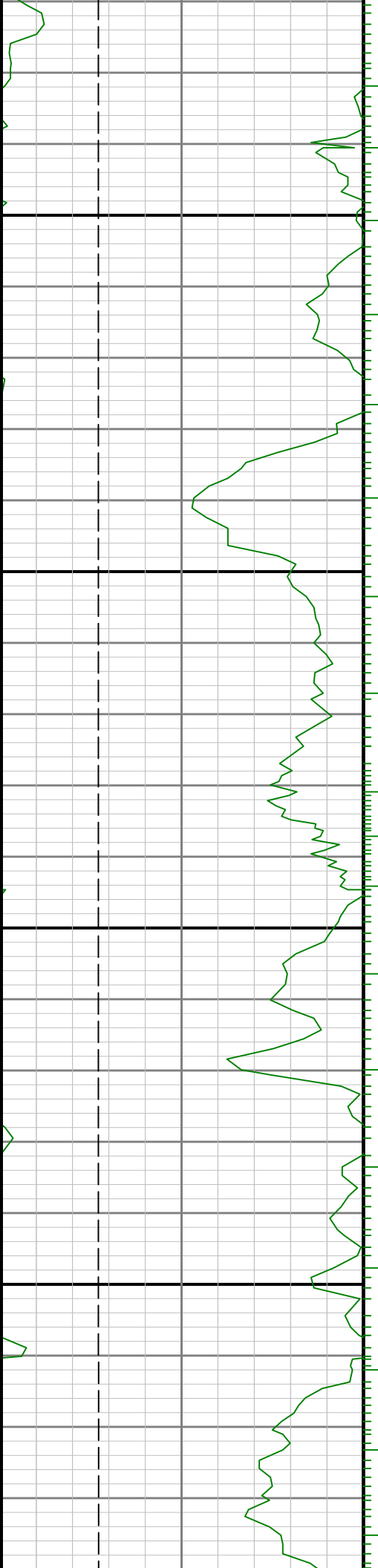




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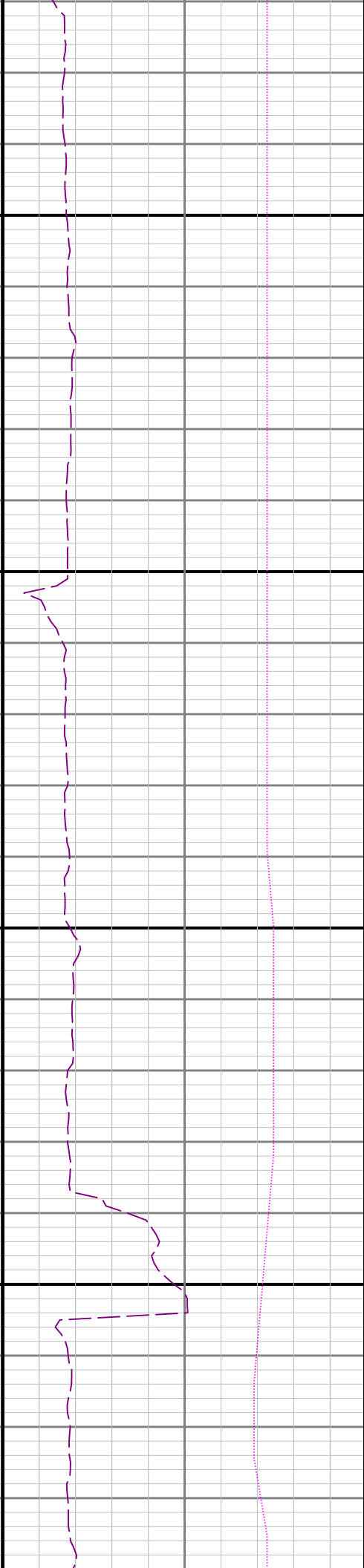
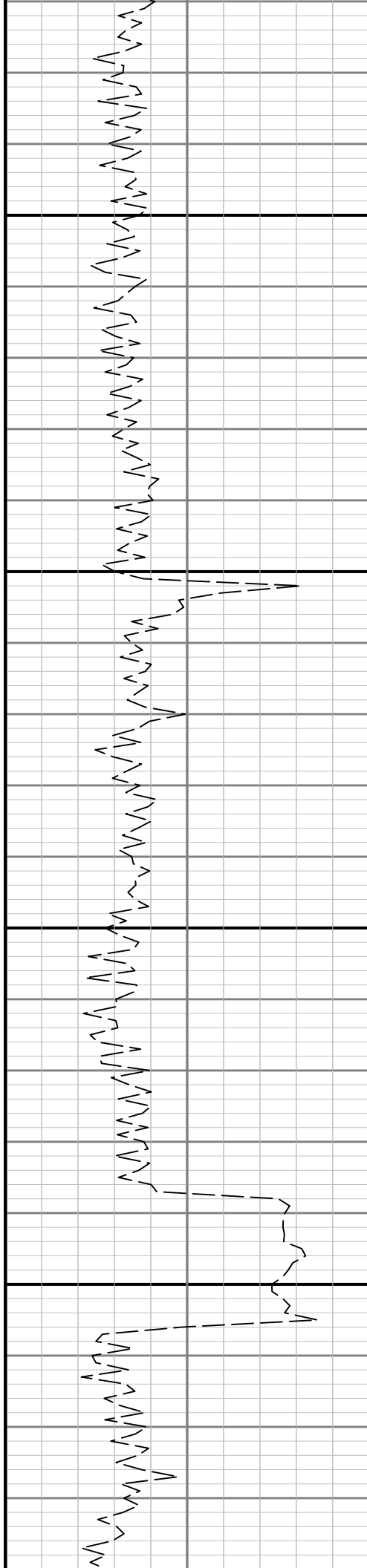
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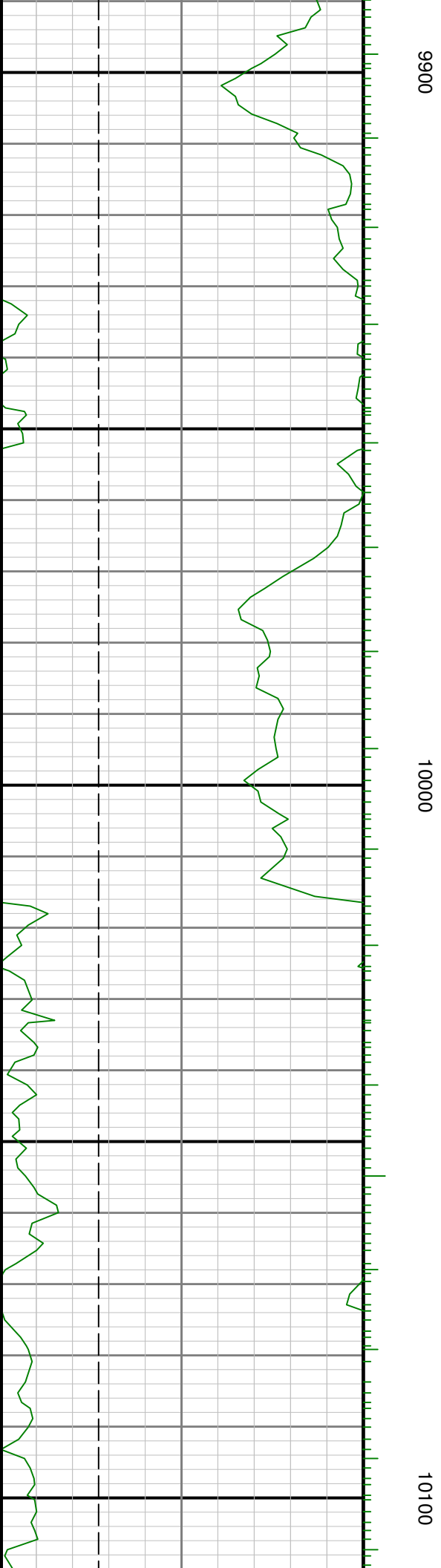
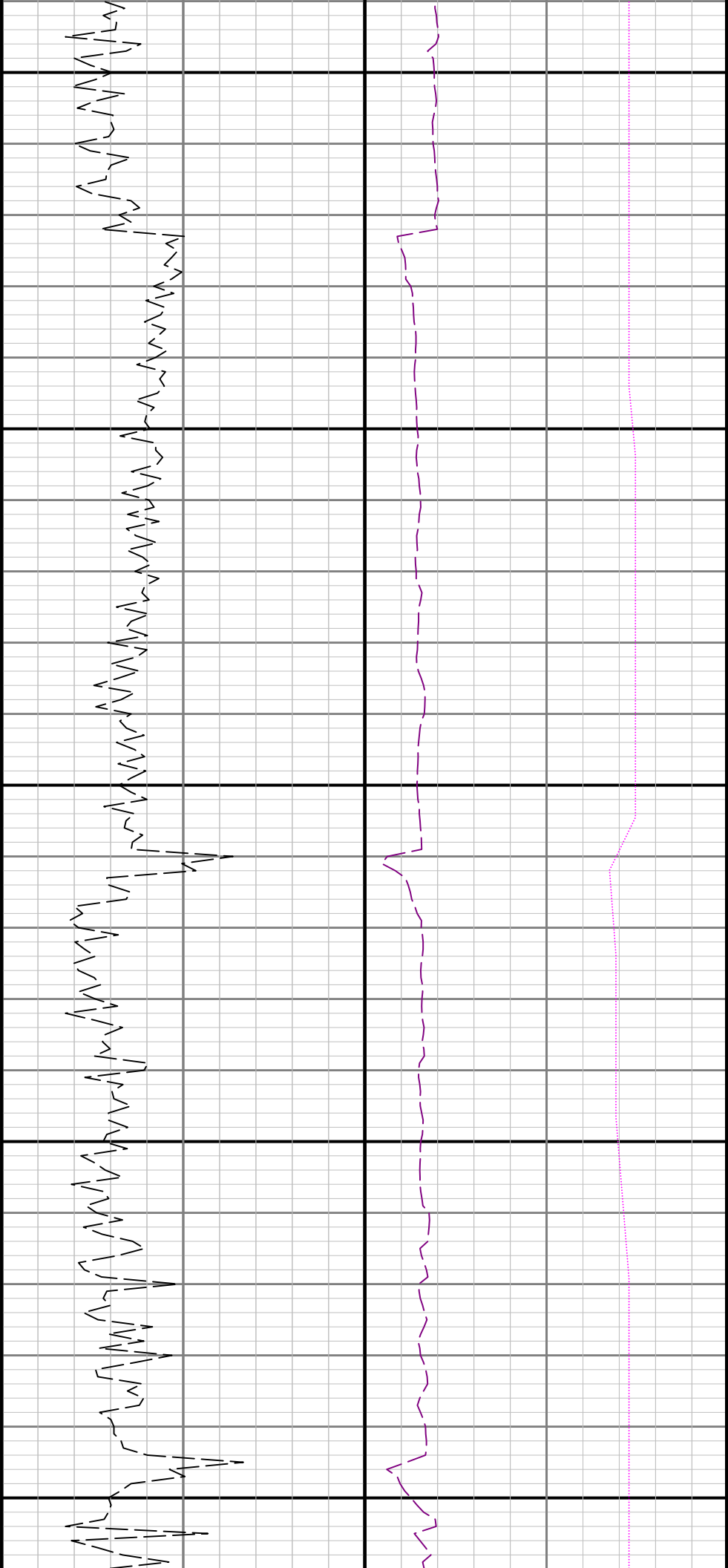


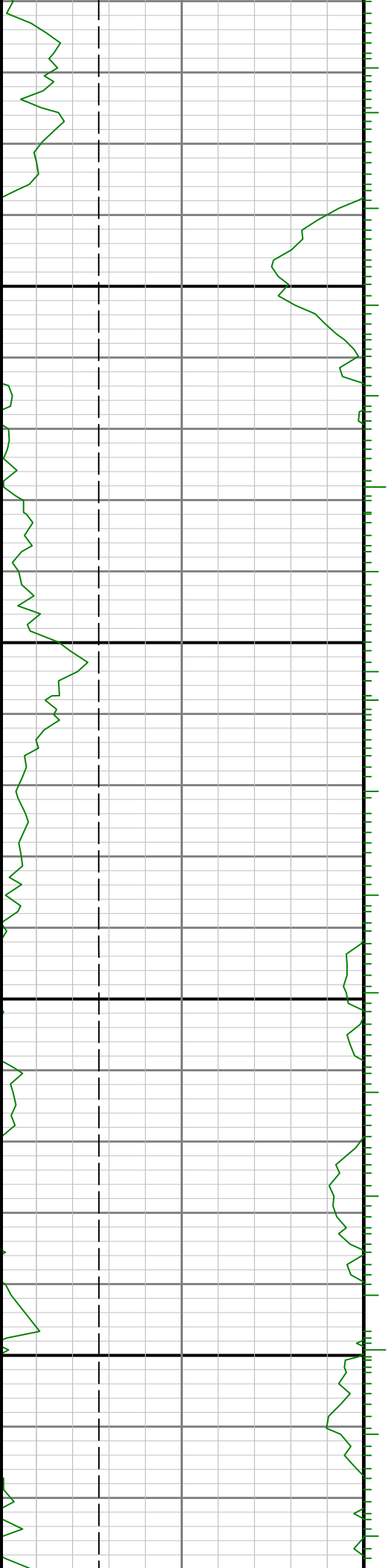
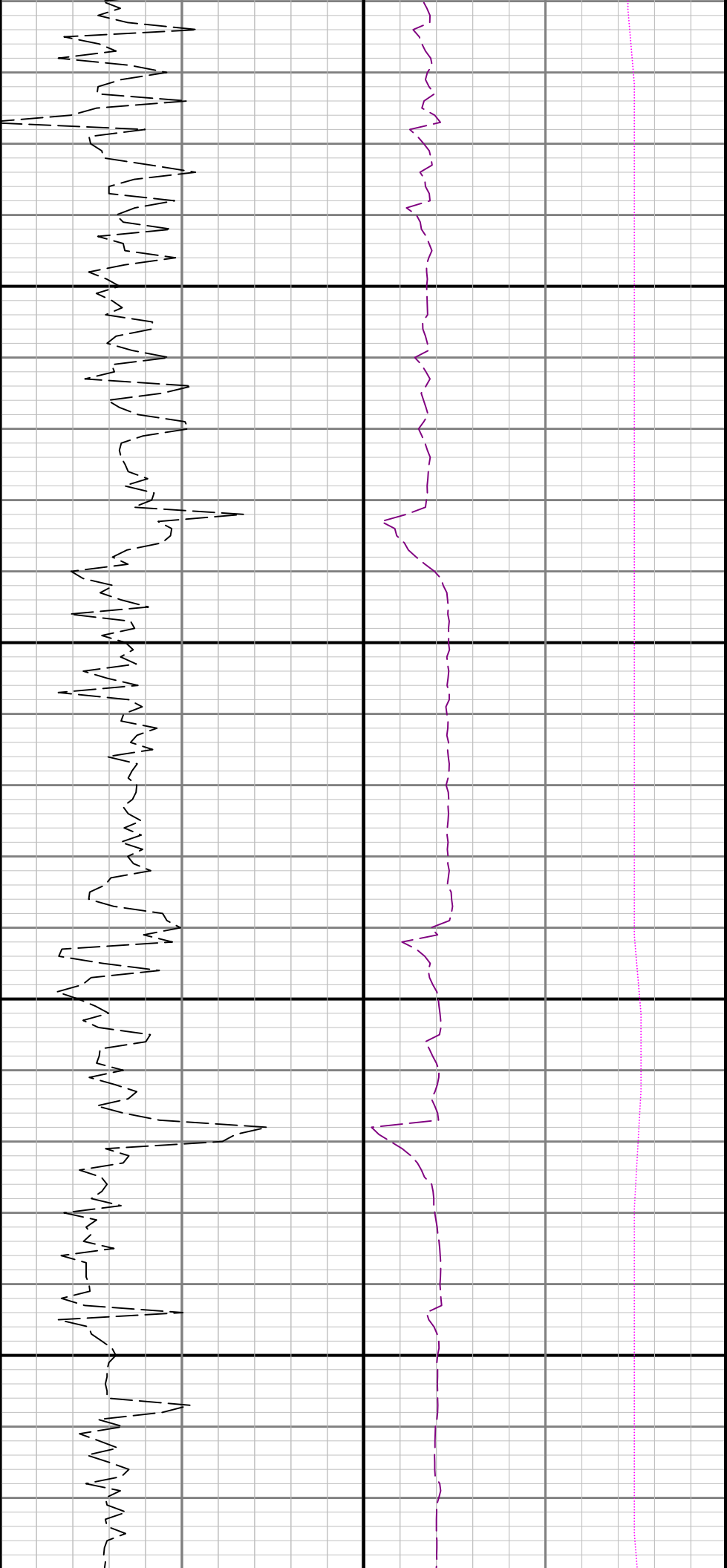


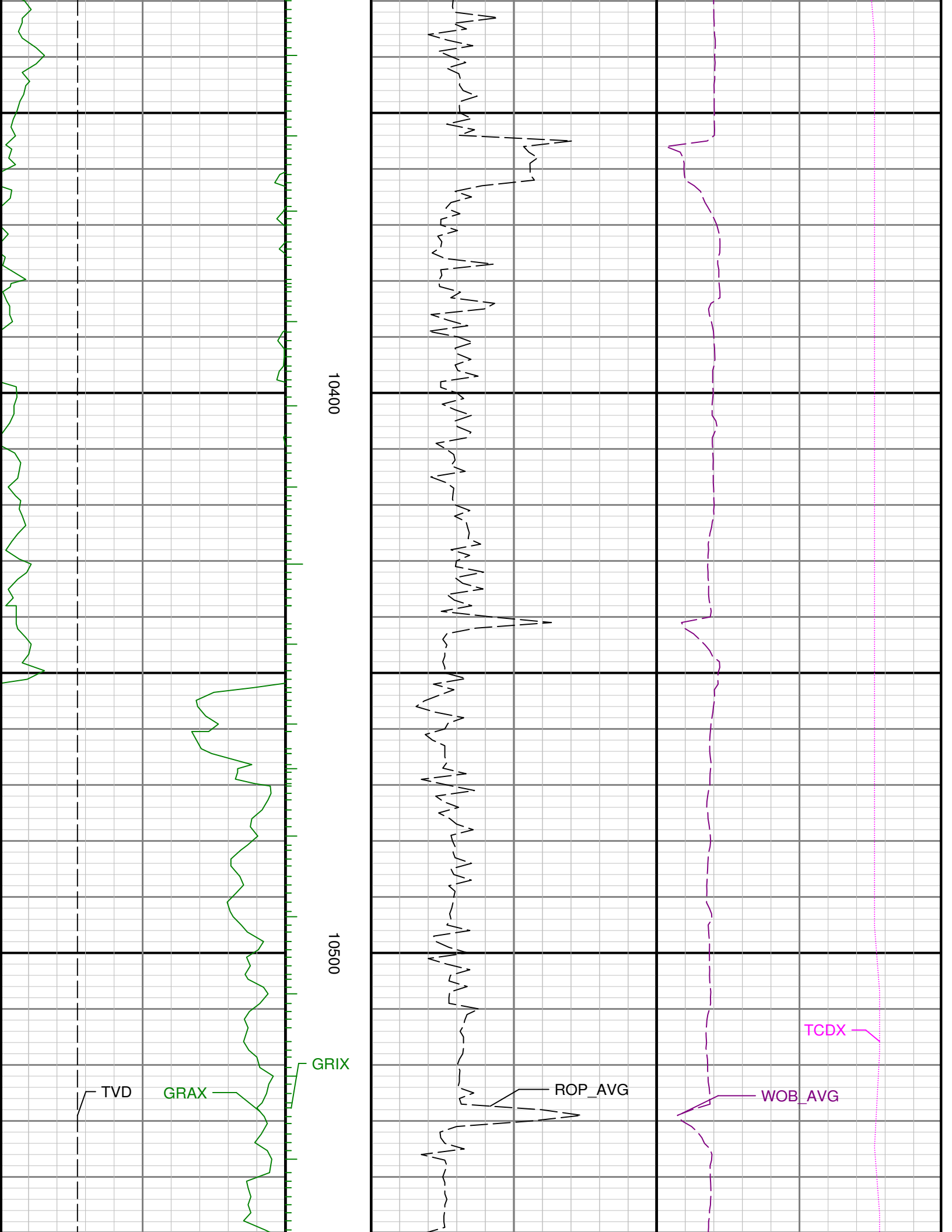
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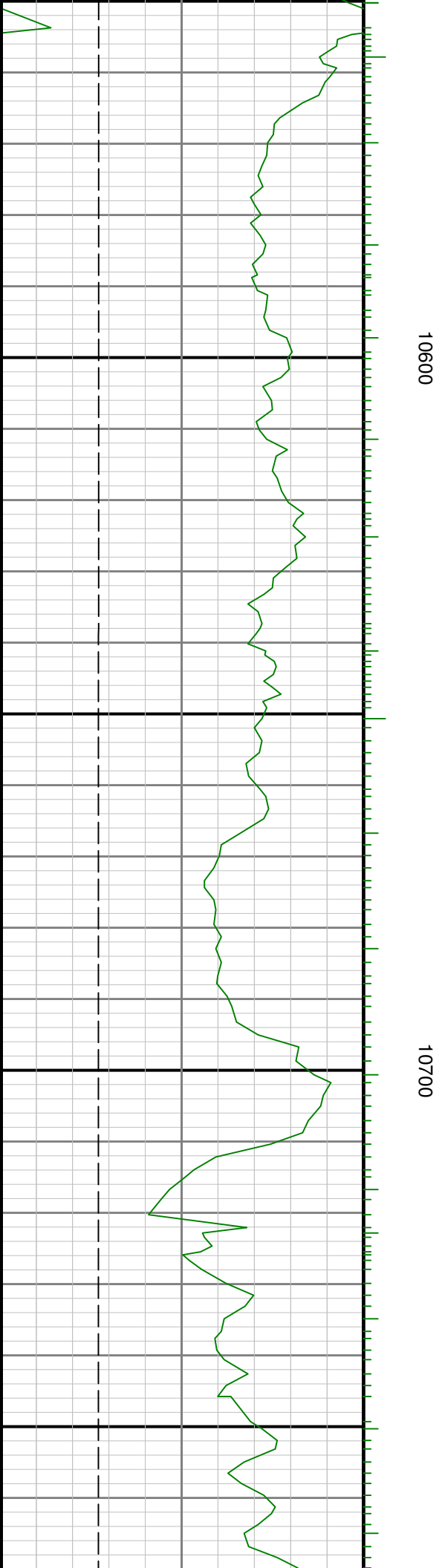
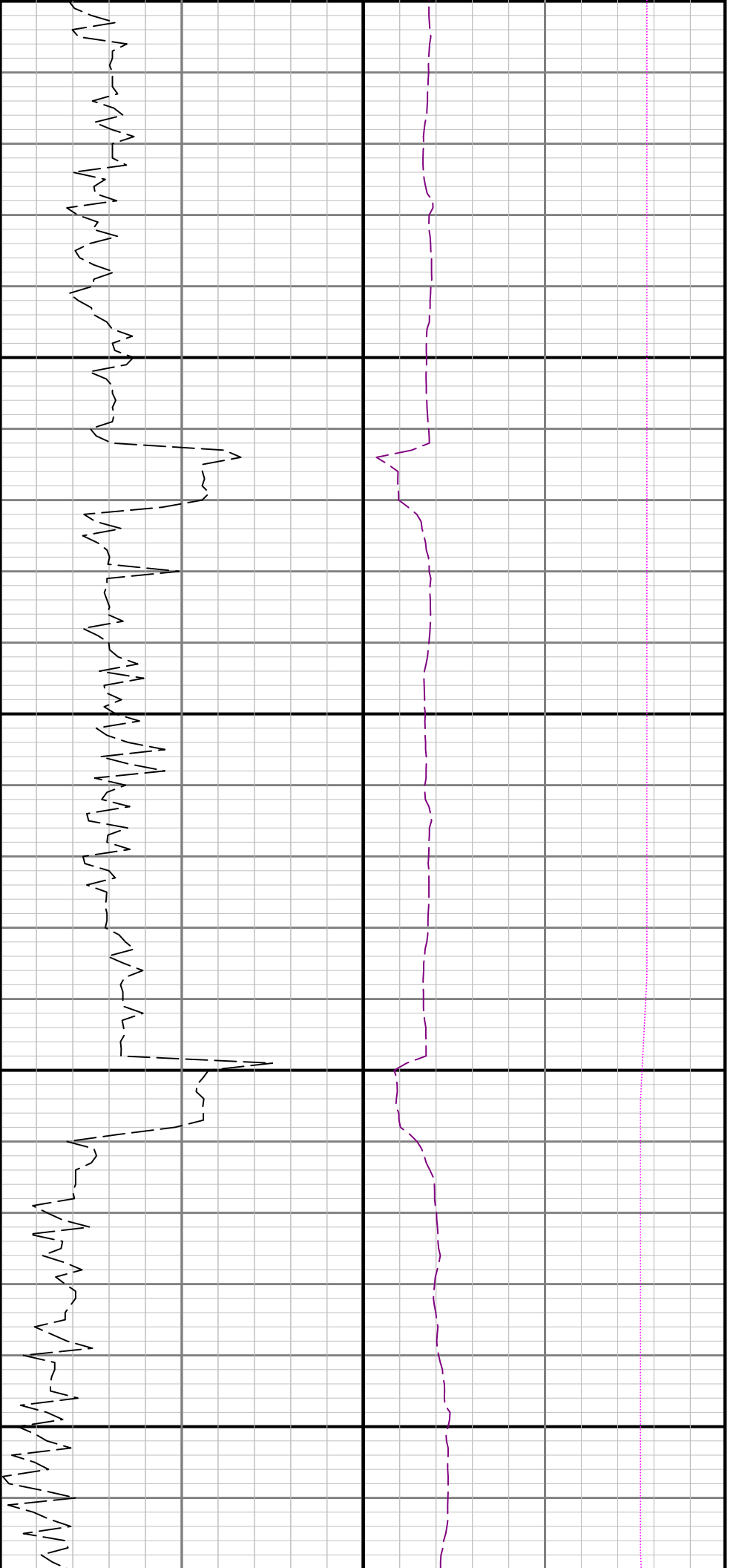
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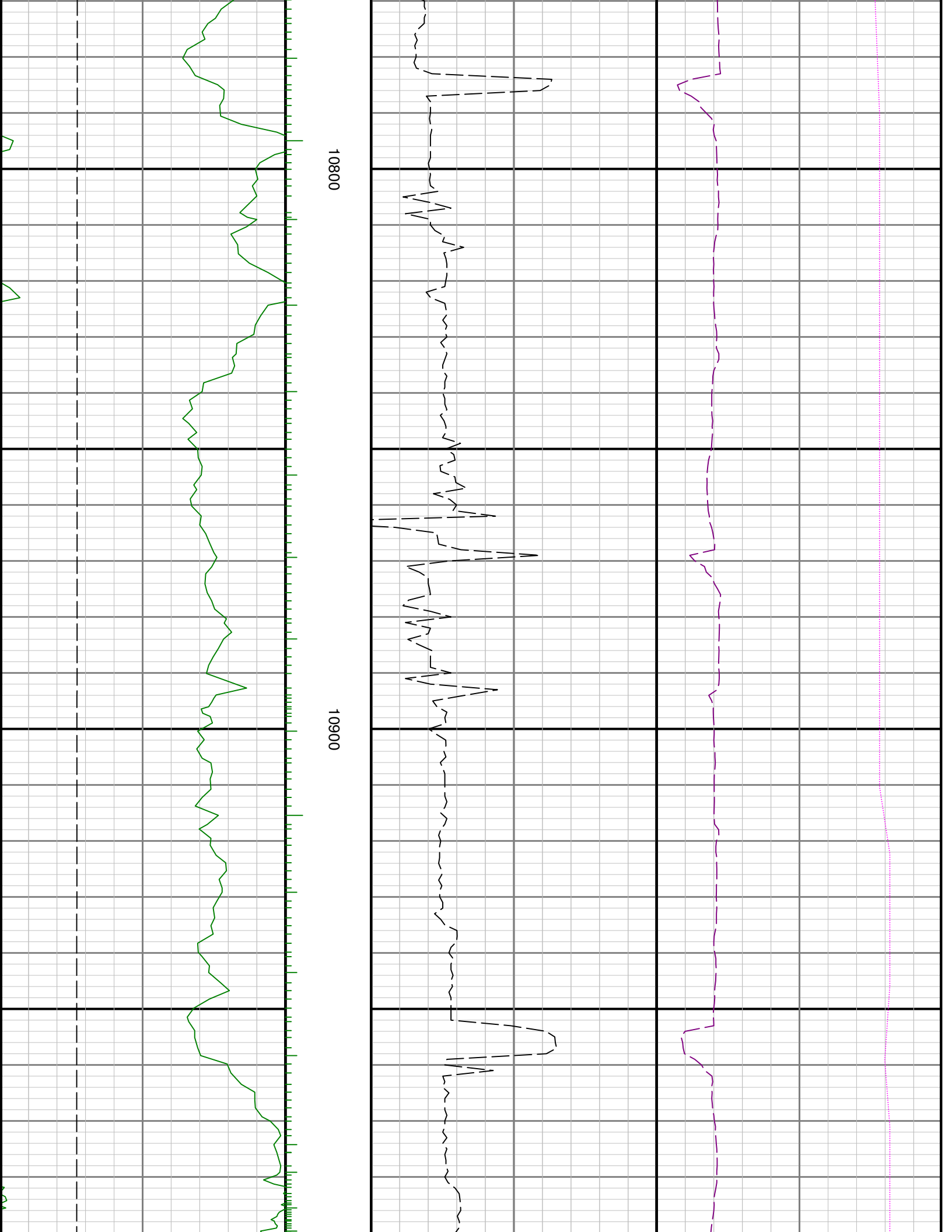


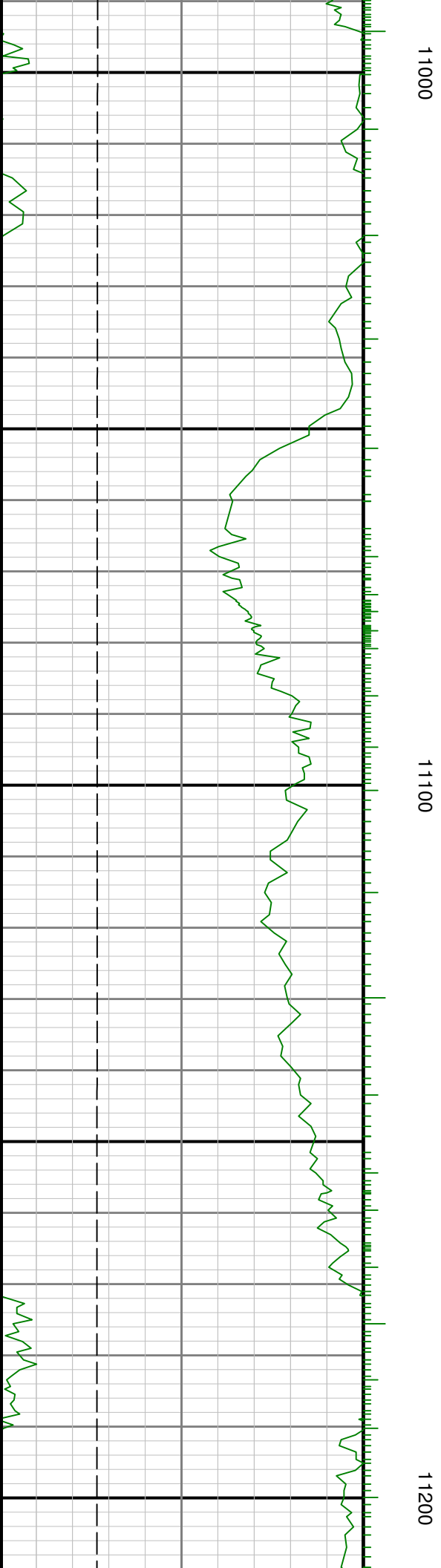
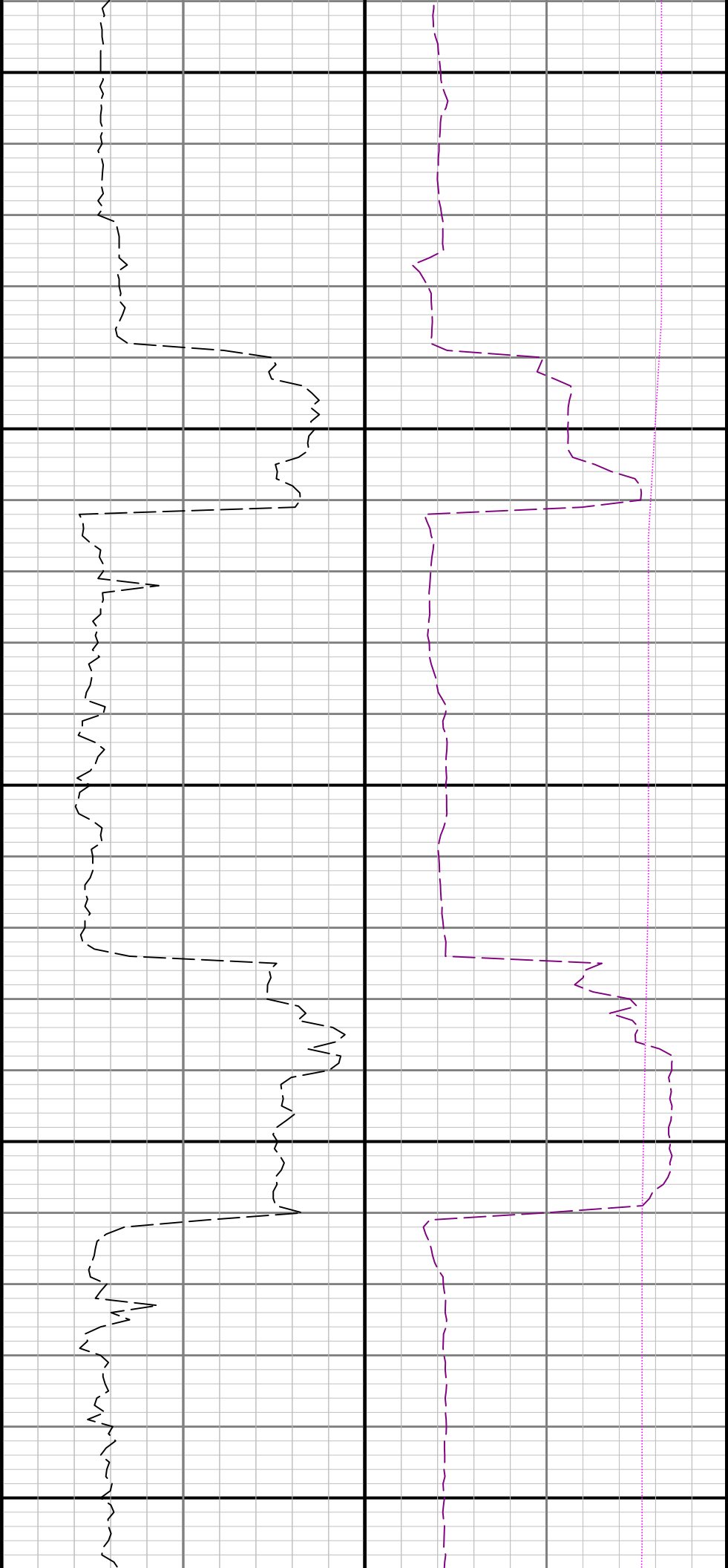


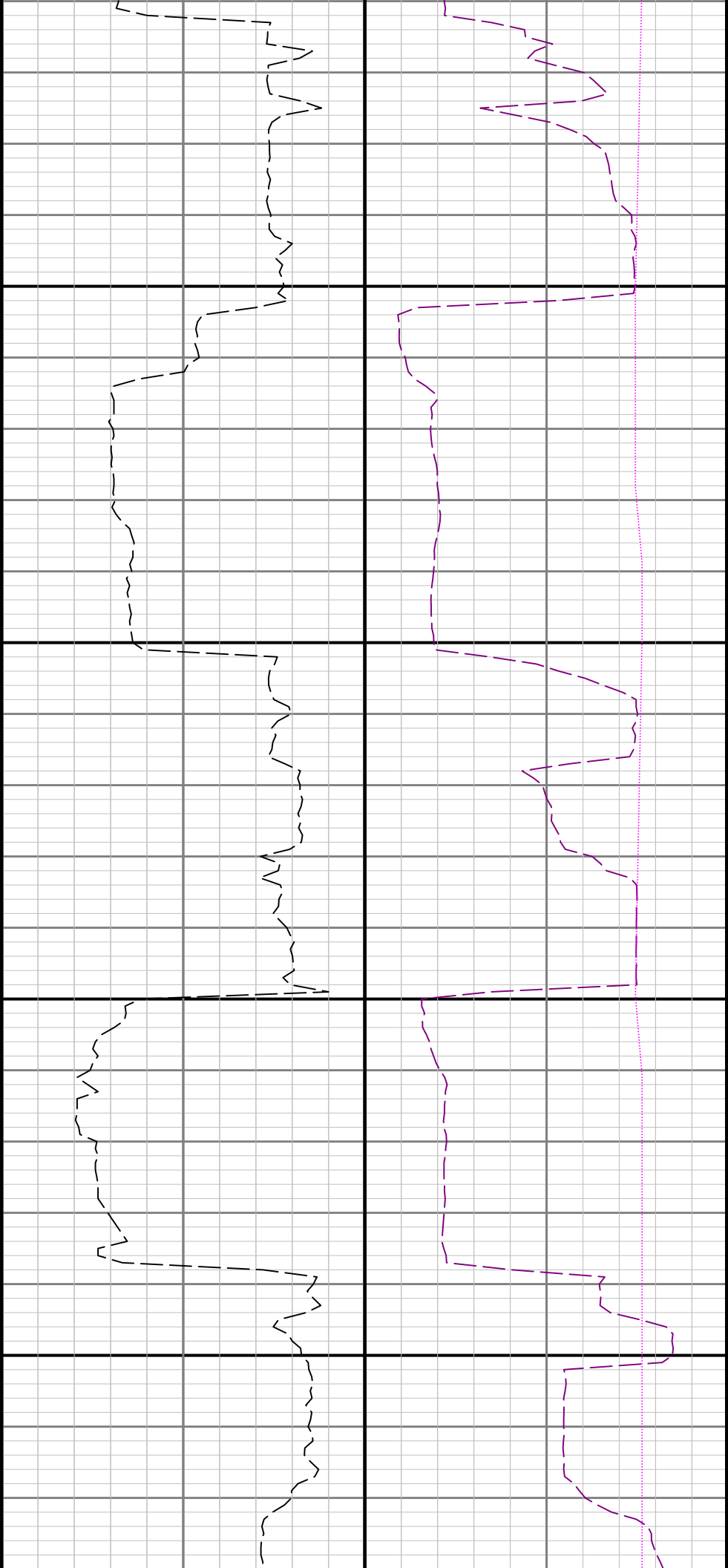






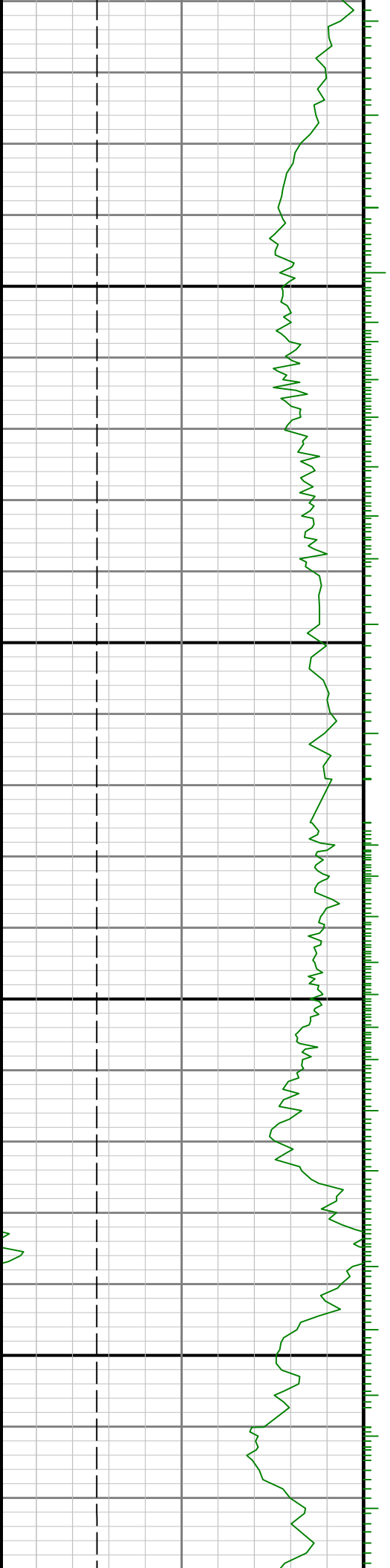


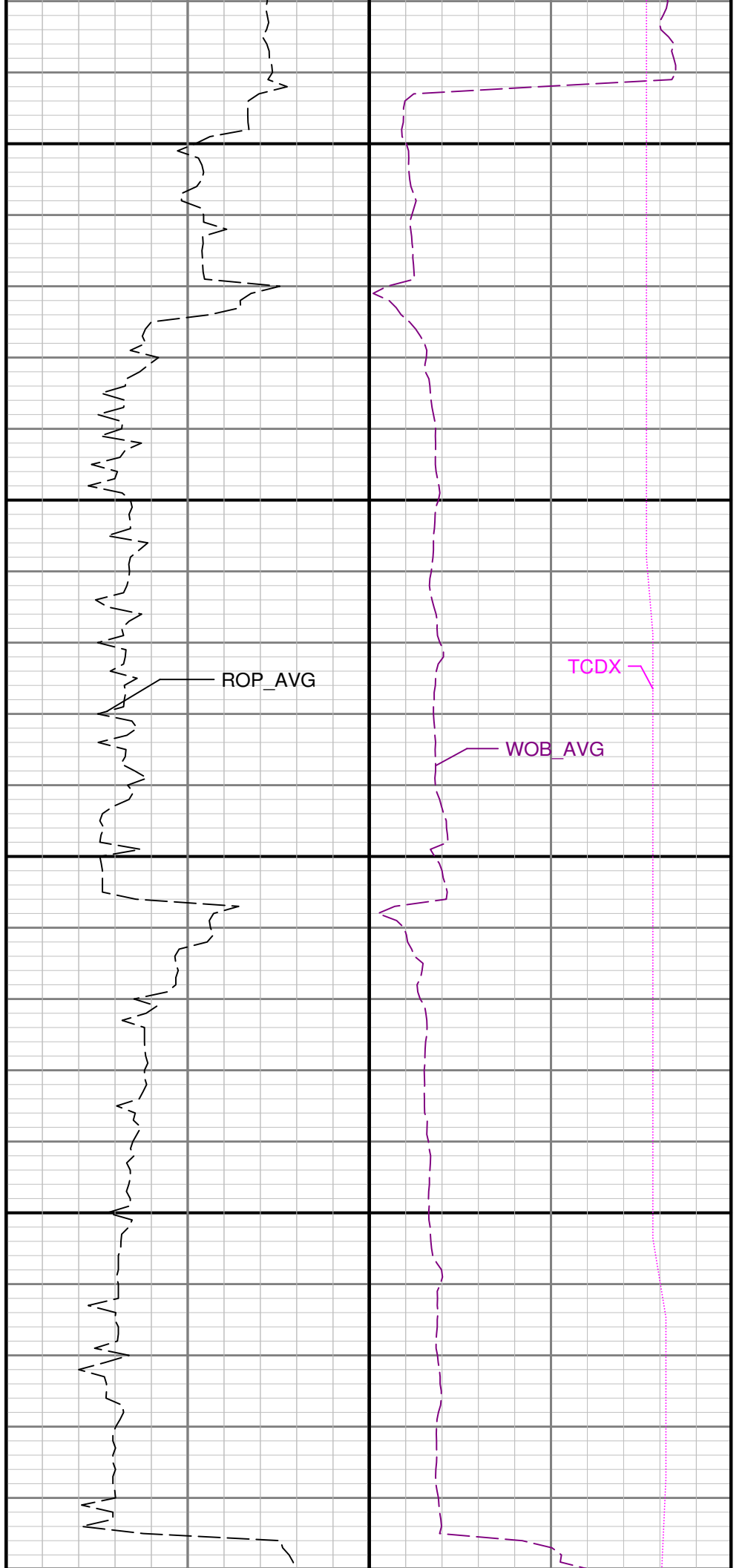
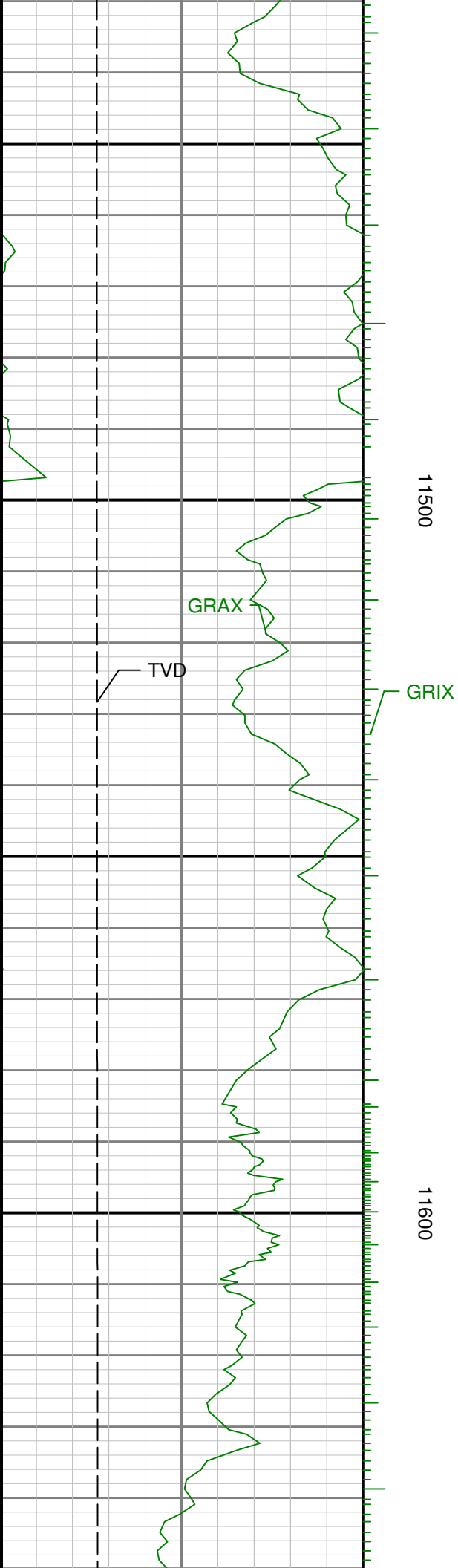


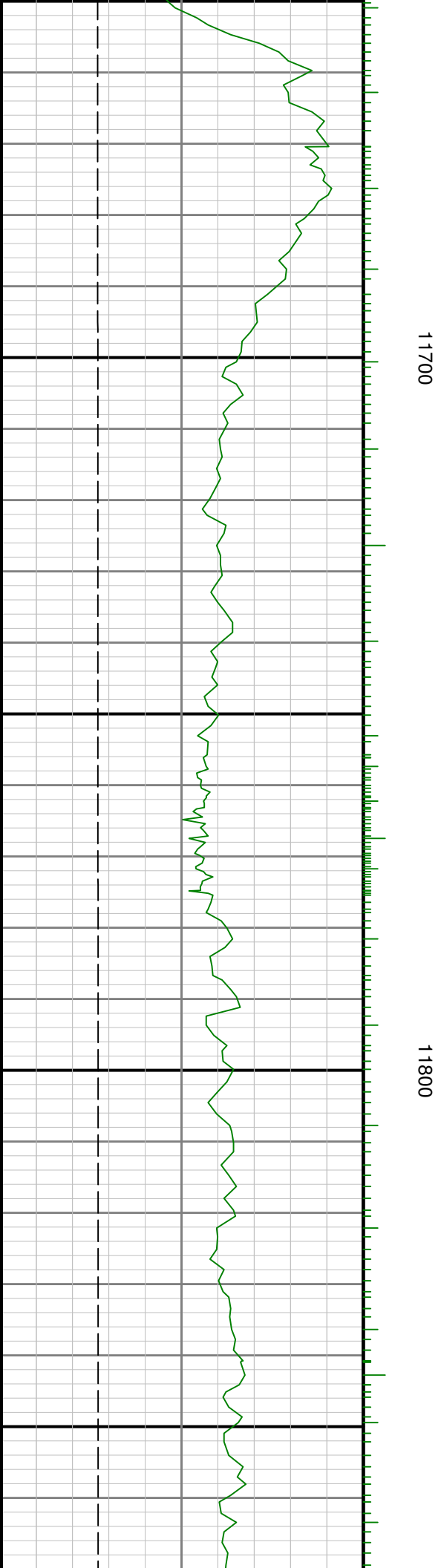
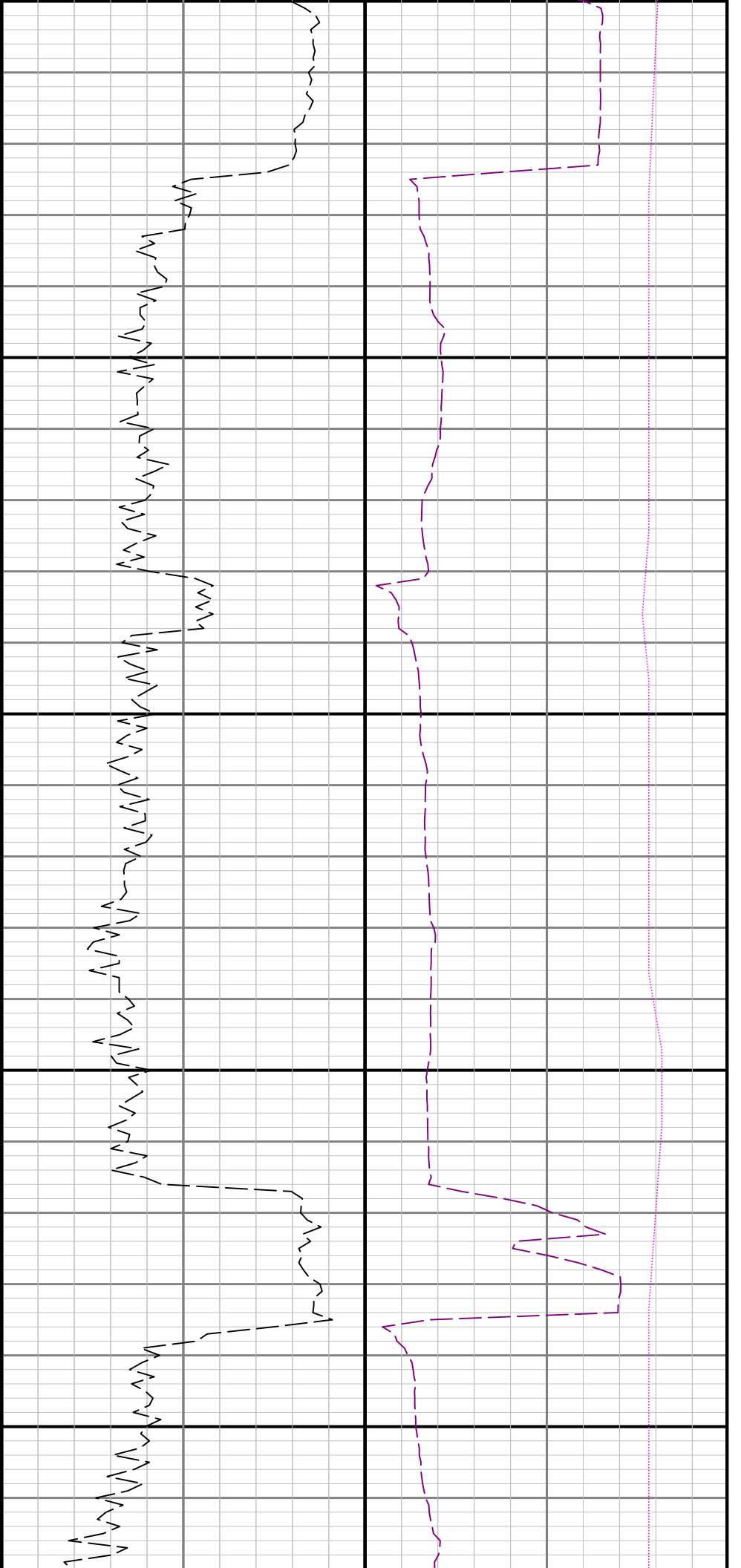


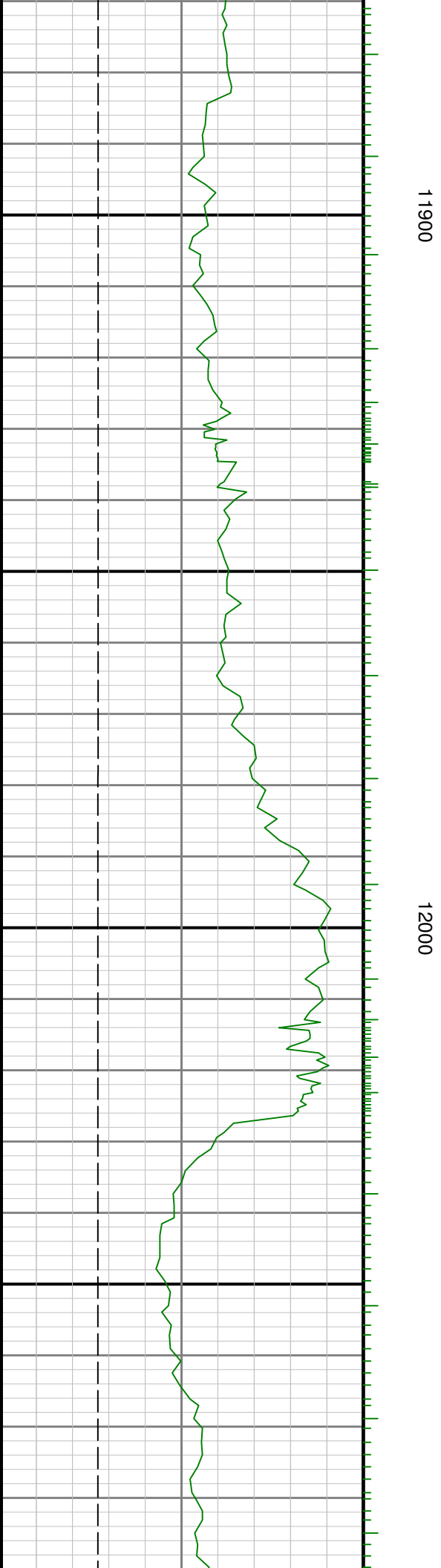
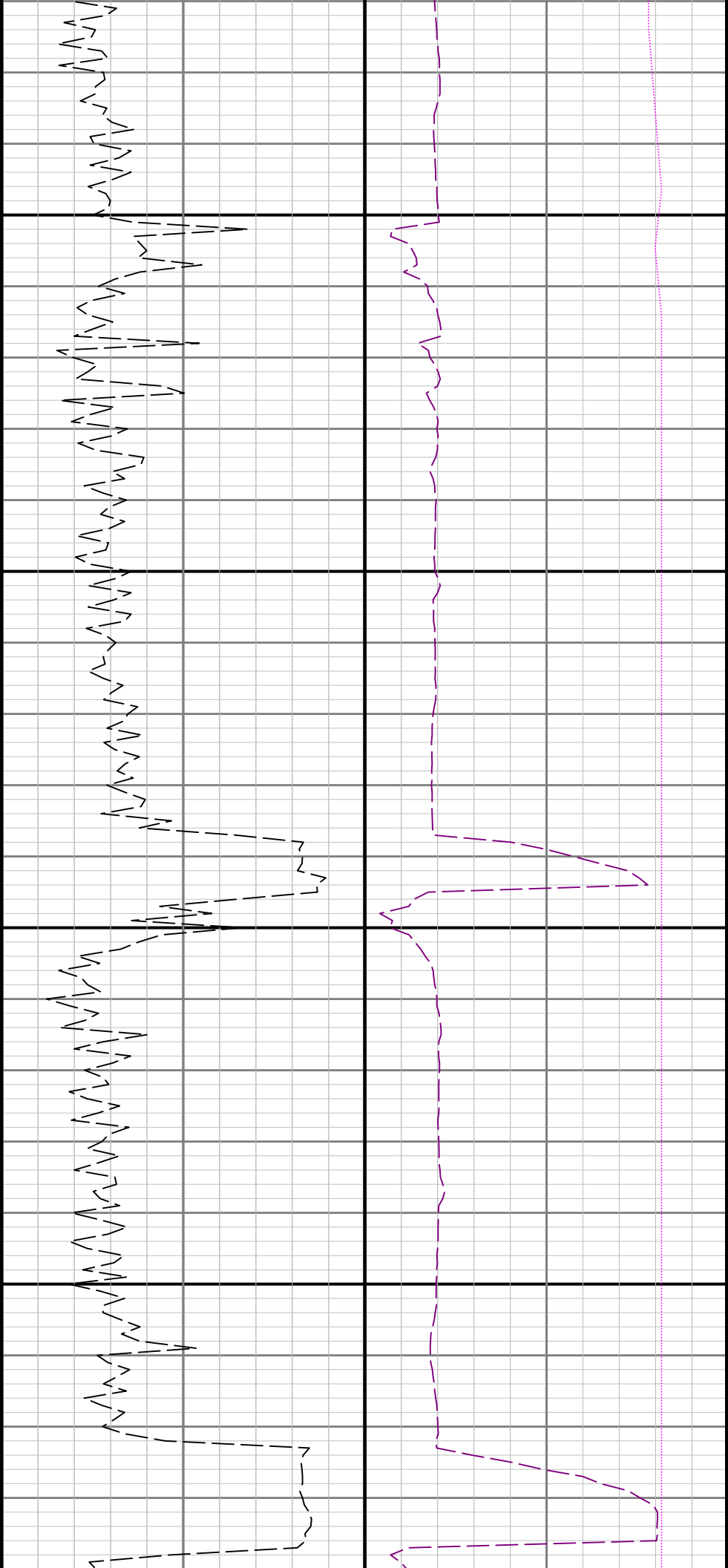
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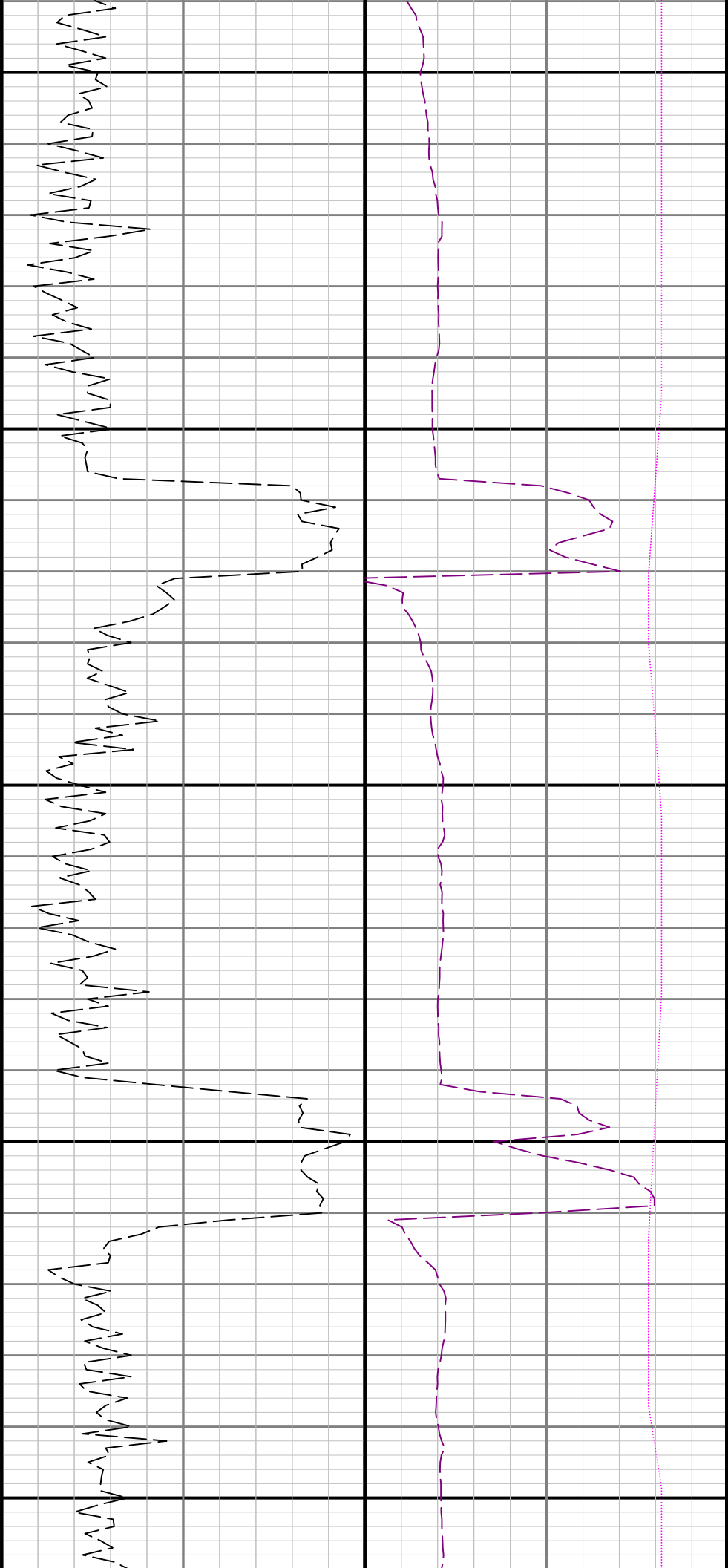
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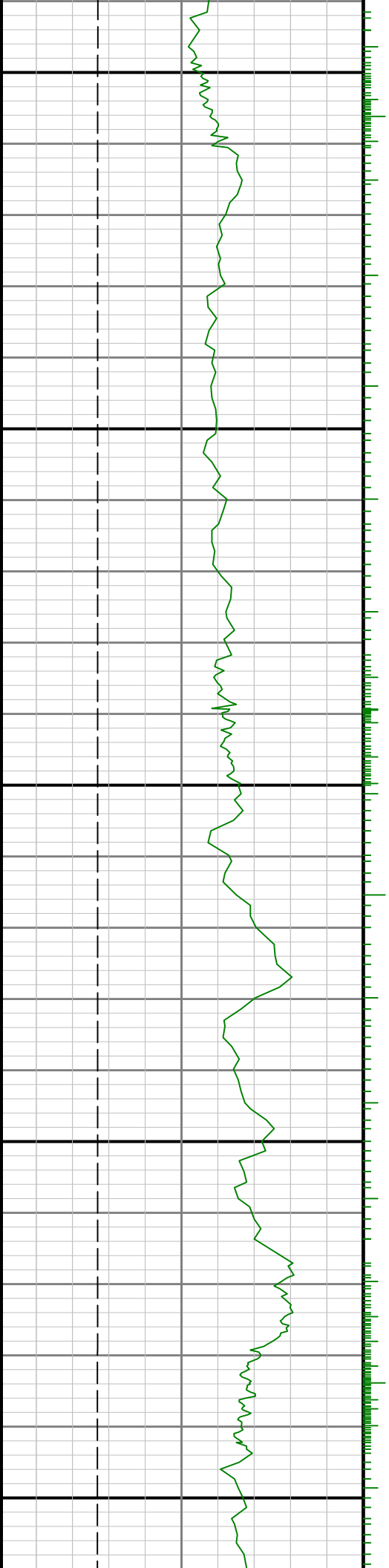


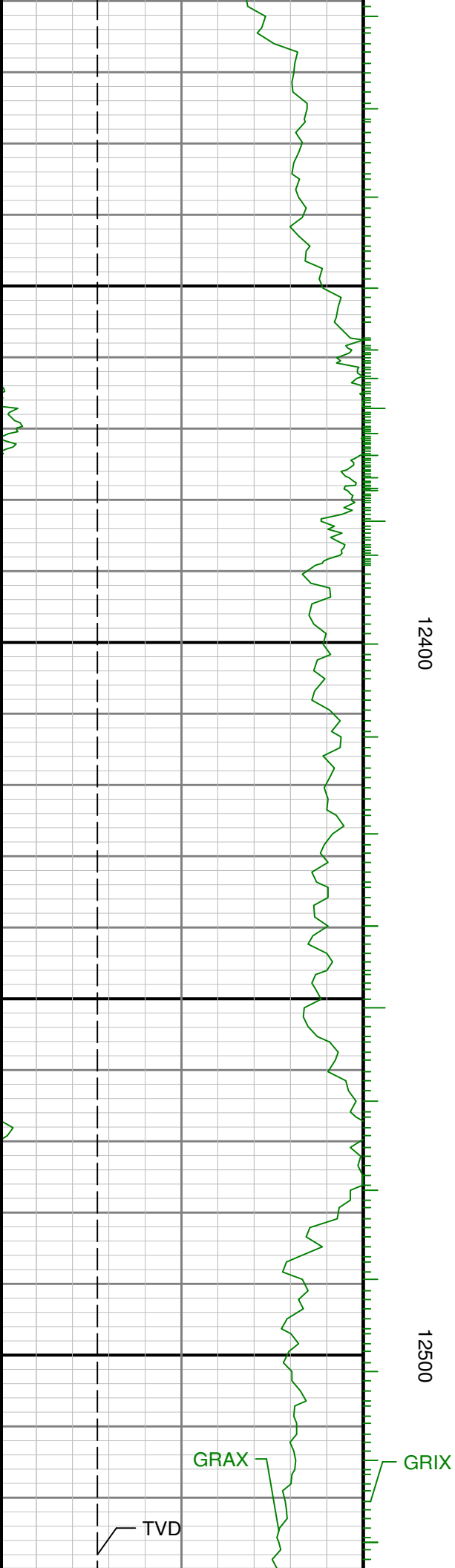


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12200

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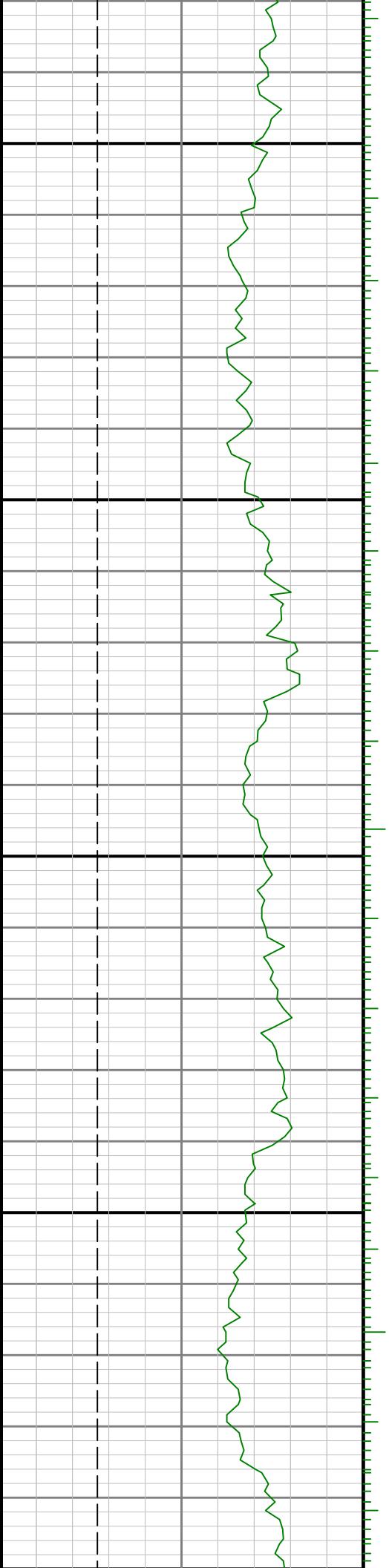


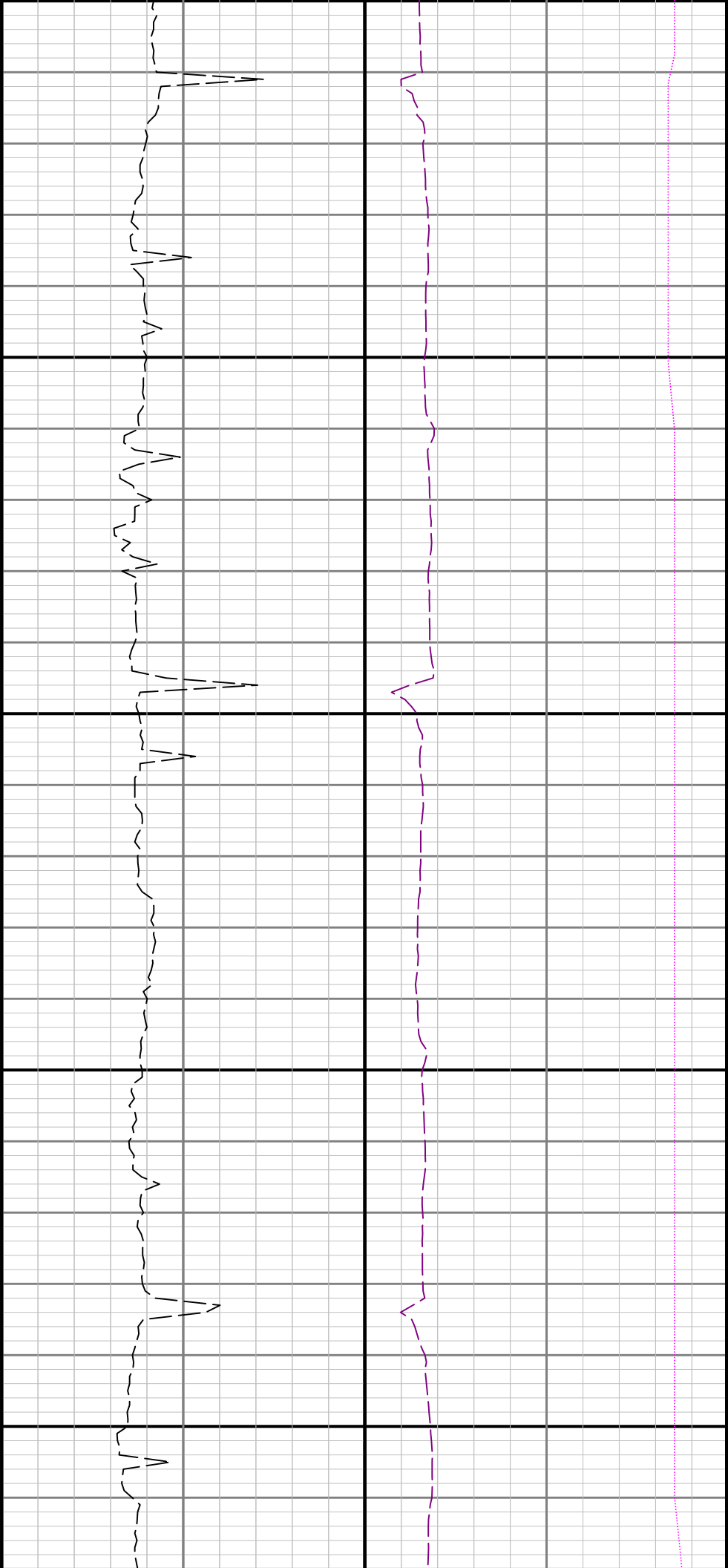




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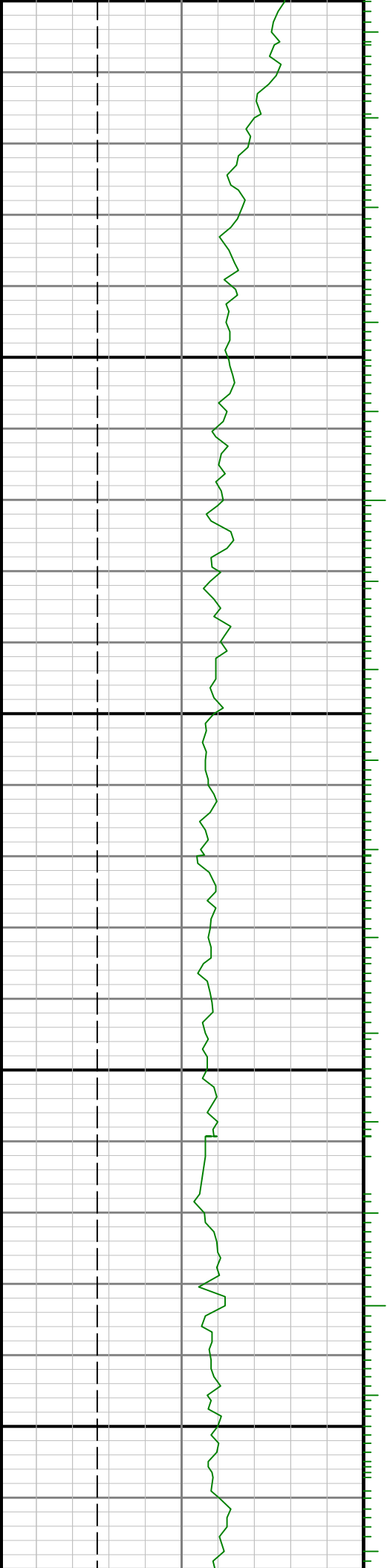
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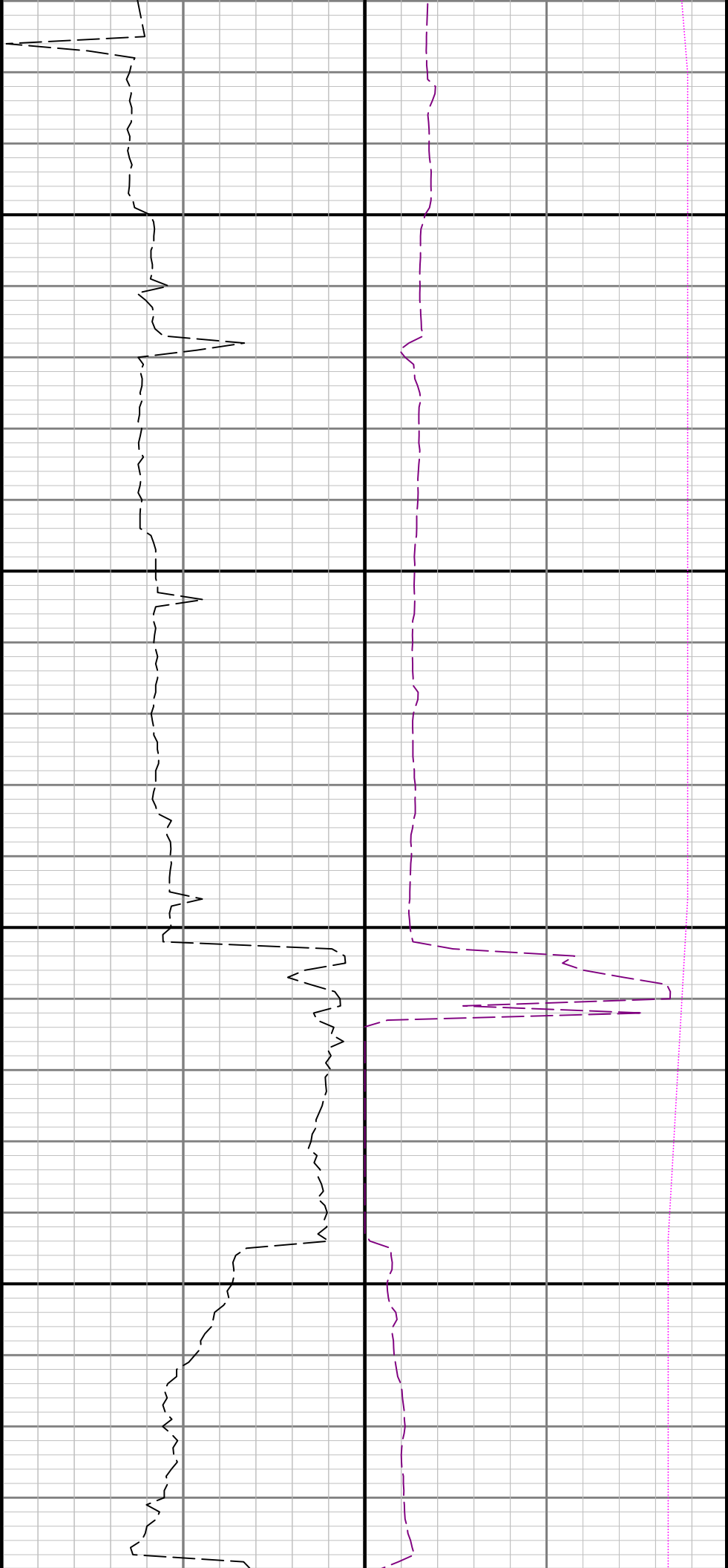




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13000

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