



Realtime Log

Natural Formation Evaluation
Gamma Ray

Scale: Company: Anadarko

1:240 Well: Taipan 27C-15HZ

Measured Depth Field: Weld County (Kerr Mcgee)

Region: Continental US Country: United States

Status: Surface Location: Other Services:

Final Print Latitude: 40° 7' 20.770" N

API Number: 05123406050000 Longitude: 104° 52' 9.602" W

Section 22 TWN: 2N Range 67W

Directional VSS

Permanent Datum (P.D.): Ground Level Elevation: 4998.00 ft.

Elevations: N/A

Log Measured From: Rig Floor 16.00 ft. Above P.D.

KB: N/A
DF: 5014.00 ft.
GL: 4998.00 ft.

Depth Reference: Driller's Depth

Interval Logged Dates Magnetic Field Reference

Top: 1294 ft. Date From: 24/Jan/15 Dip Angle: 66.86° Azi Reference North: True

Bottom: 13579 ft. Date To: 30/Jan/15 Total Mag to Reference

Spud Date: 23/Jan/15 Field Strength: 52741.6 nT North Correction: 8.62°

Borehole Record

Casing Record

Hole Size	From	To	Size	Weight	From	To
8.750 in.	1294 ft.	8657 ft.	9.265 in.	36.00 lb/ft	Surface	1284 ft.
6.125 in.	8657 ft.	13627 ft.	7.000 in.	26.00 lb/ft	Surface	8648 ft.

Mud Record

Deviation Record

Type	From	To	Hole Size	Interval	Inc / Az (Start)	Inc / Az (End)
Drill Water	Surface	8657 ft.	8.750 in.	85 ft.	0.5° / 310.9°	27.1° / 353.1°
LSND	8657 ft.	13627 ft.	8.750 in.	42 ft.	27.1° / 353.1°	87.0° / 354.9°
			6.125 in.	85 ft.	87.0° / 354.9°	89.3° / 359.1°
					/	/
					/	/
					/	/
					/	/
					/	/
					/	/

Acquisition System Software Version

Other

Advantage	2.20U4	Rig / Contractor:	Xtreme 24	/ Advance Drilling
PATS	6.4.1.34	Job No:	6991736	
		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.
							Top	Bottom	From	To	Start		End		Time
							(ft.)	(ft.)	(ft.)	(ft.)					
1	1	1	8.750	PDC	2.000	Steerable	1294	8604	1347	8657	24/Jan/15	17:00	27/Jan/15	05:30	41.9
2	2	2	6.125	PDC	4.000	Steerable	8609	13579	8657	13627	28/Jan/15	06:00	30/Jan/15	14:00	31.4

Crew

Name	Arrive	Depart	Name	Arrive	Depart	Name	Arrive	Depart
	Wellsite	Wellsite		Wellsite	Wellsite		Wellsite	Wellsite
Osagie Otoikhine	23/Jan/15	31/Jan/15	Ben Klarin	23/Jan/15	27/Jan/15	Andrew Overbey	28/Jan/15	31/Jan/15

Date / Time	LWD Run No.	Measured Depth (ft.)	Mud Type	Density (ppg)	Viscosity (sec/qt)	pH	Fluid Loss (cc)	Oil / Water	Source	Total Chlorides (mg/L)	K+
24/Jan/15 18:00	1	1294	Drill Water	8.5	32	7.0	N/A	0.1/98.9	Active Pits	1100	N/A
28/Jan/15 18:00	1	8657	LSND	9.0	34	7.7	N/A	2.0/94.5	Active Pits	1000	N/A
29/Jan/15 18:00	2	12004	LSND	9.6	45	8.9	N/A	3.0/91.0	Active Pits	1400	N/A

Mnemonics

Curve	Description	Units
GRAX	Gamma Ray Apparent 0.5 ft AVG	API
GRIX	Gamma Ray Data Density	points
GRSI	Gamma Ray Sliding Indicator	unitless
GRTX	Gamma Ray Time Since Drilled	min.
ROPA	Rate of Penetration, 3.0 ft Avg	ft/hr
TCDX	Downhole Temperature	degF
TVD	True Vertical Depth	ft.
WOBA	Surface Weight on Bit, 1.0 ft Avg	klbs

Equipment and Service Data

LWD Run No.	Tool	Serial Number	Measurement	Bit Offset (ft.)	Max O.D. (in.)	Min I.D. (in.)
1	DIR	13134419	Directional	56.69	6.750	2.813
1	SRIG	11714036	Gamma	53.32	6.750	2.813
2	DIR	12093881	Directional	51.34	4.750	2.690
2	SRIG	12461716	Gamma	47.92	4.750	2.690

Service and Tool Mnemonics

Mnemonic	Name	Description
DIR	Directional	Wellbore directional survey
SRIG	Inclination and Gamma	Probe based gamma ray and inclination module

Comments

<p>1.) Baker Hughes Run 1 utilized a 6 1/2 inch NaviGamma (Directional and Gamma Ray) tool behind an 8 3/4 inch bit and steerable assembly from 1294 feet to 8657 feet MD (1293 feet to 7602 feet TVD).</p> <p>2.) Baker Hughes Run 2 utilized a 4 3/4 inch NaviGamma (Directional and Gamma Ray) tool behind a 6 1/8 inch bit and steerable assembly from 8657 feet to 13627 feet MD (7602 feet to 7576 feet TVD).</p> <p>3.) A sliding indicator is shown on the left side of track 1 as a heavy line. This indicator has been depth-shifted to the Gamma Ray sensor offset to correspond with Gamma Ray data acquired while sliding.</p>

Remarks

Number	Measured Depth (ft.)	Hole Section (in.)	LWD Run No.	Remark
1	1277	8.750	1	The interval from surface to 1294 feet MD (1293 feet TVD) was not logged since logging services began at 1294 feet MD (1293

	1277	8.750	1	feet TVD).
2	8617	8.750	1	The depth from 8604 feet to 8661 feet MD (7599 feet to 7602 feet TVD) was logged more than 9 hours after drilling due to tripping for casing and picking up lateral BHA.
3	13606	6.125	2	The interval from 13579 feet to 13627 feet MD (7576 feet to 7576 feet TVD) was not logged due to bit sensor offset at TD.

Curve Mnemonics

Curve	Description	Units
GRAX	Gamma Ray - Apparent	API
GRIX	Gamma Ray - Data Point Indicator	unitless
GRSI	Gamma Slide Ind.	unitless
GRTX	Gamma Ray Time Since Drilled	min
ROP_AVG	Depth Averaged ROP	ft/hr
TCDX	Downhole Temperature	degF
TVD	True Vertical Depth	ft
WOB_AVG	AVERAGE Weight On Bit	klbf

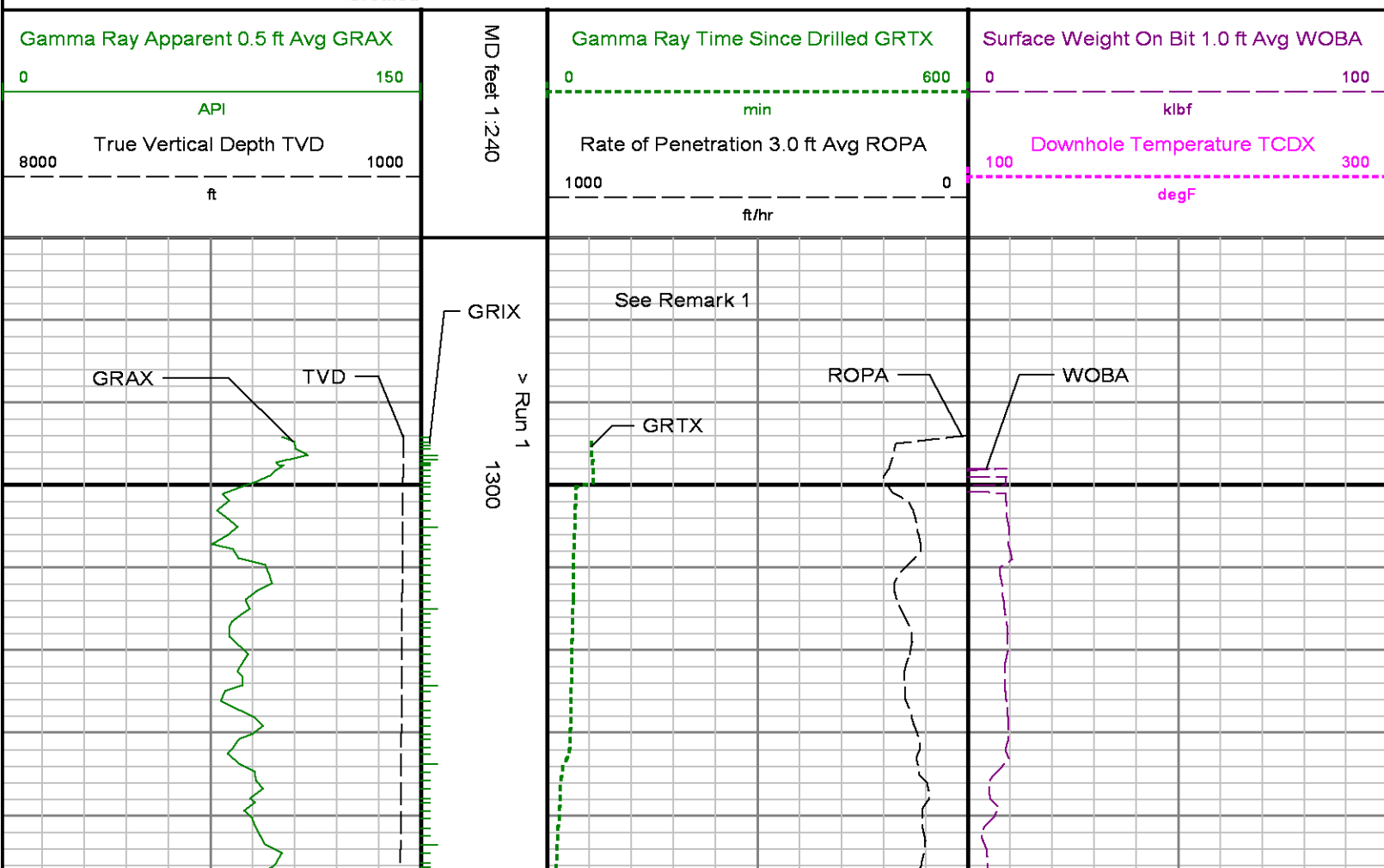


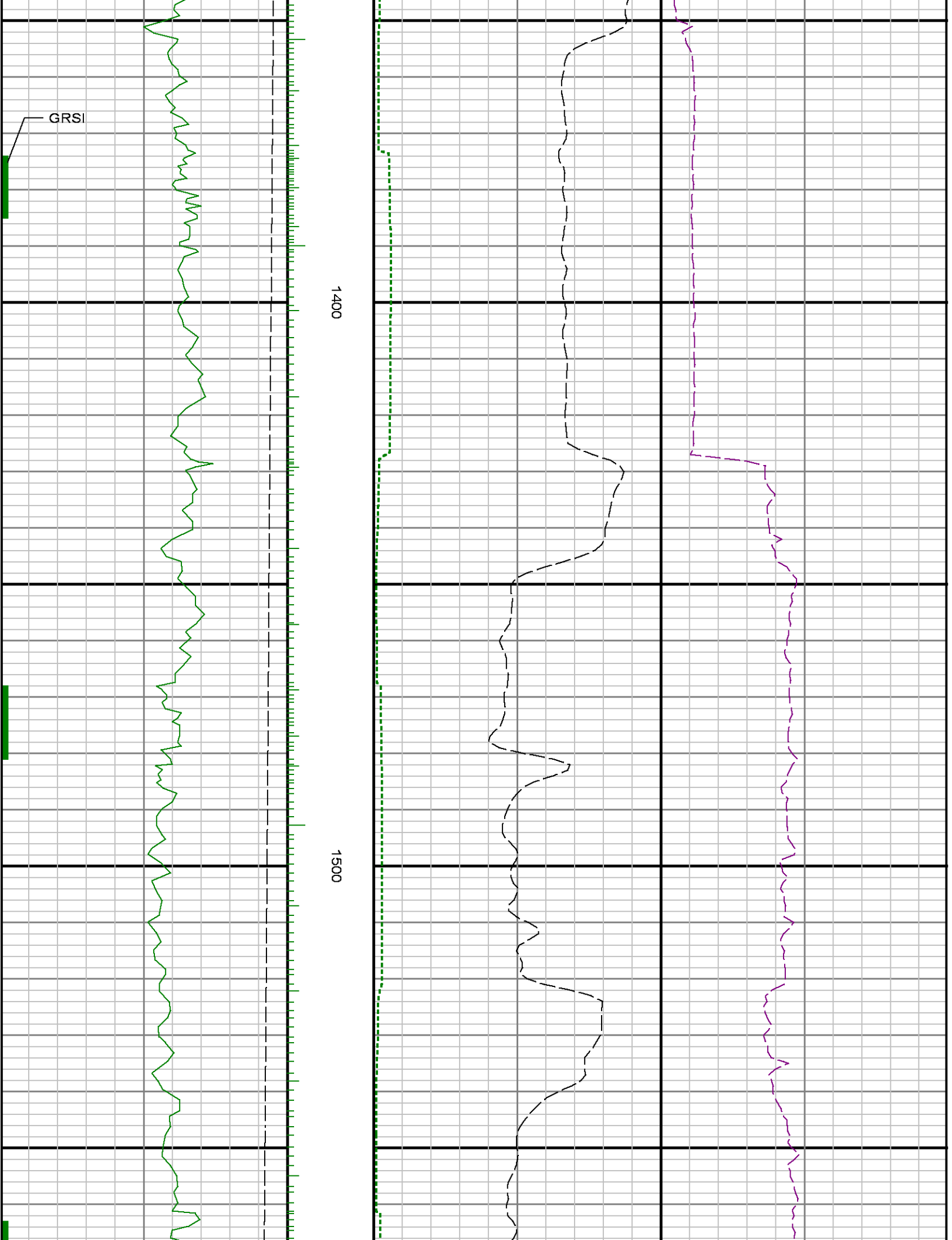
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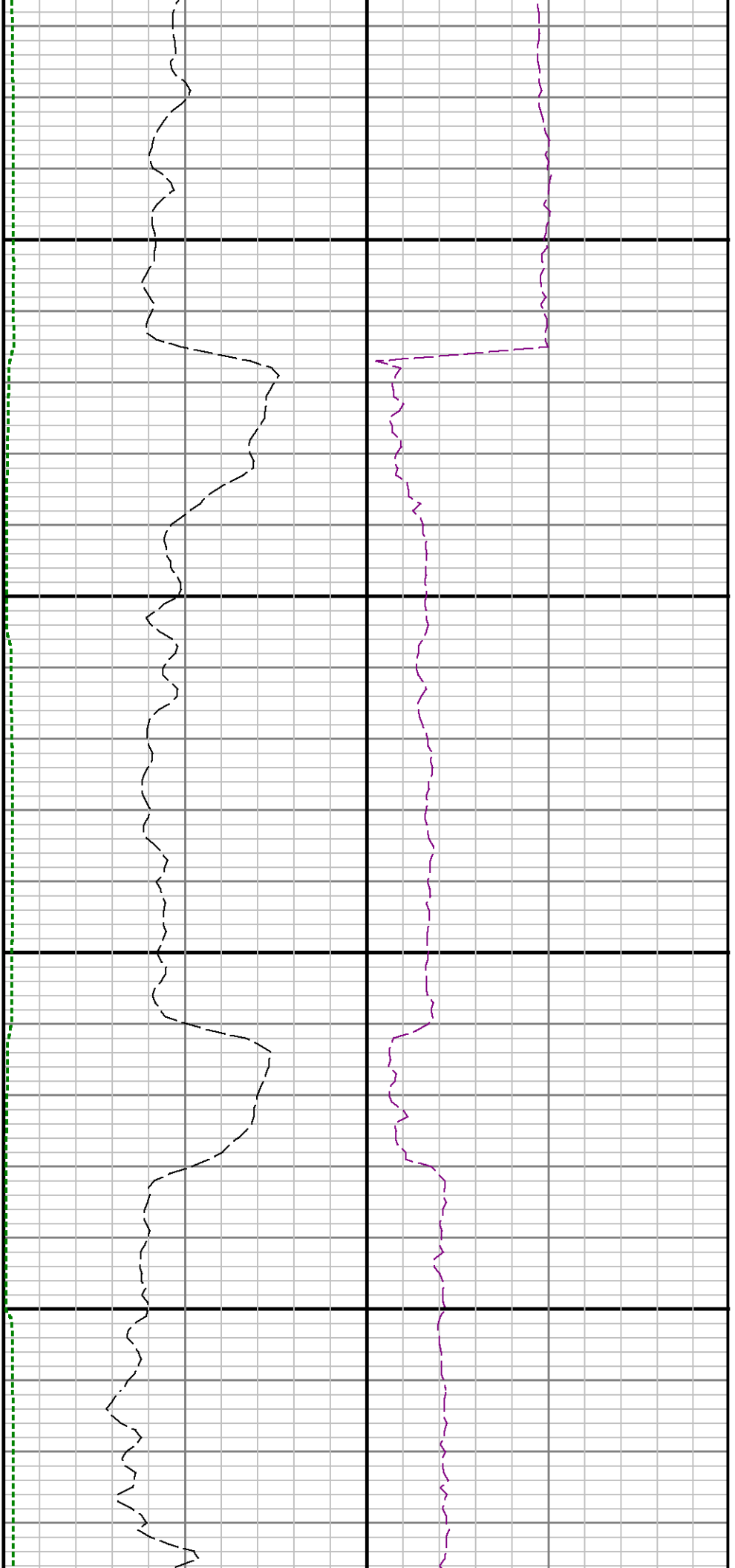
Well : Taipan 27C-15HZ

Interval : 1270.00 - 13640.00 feet

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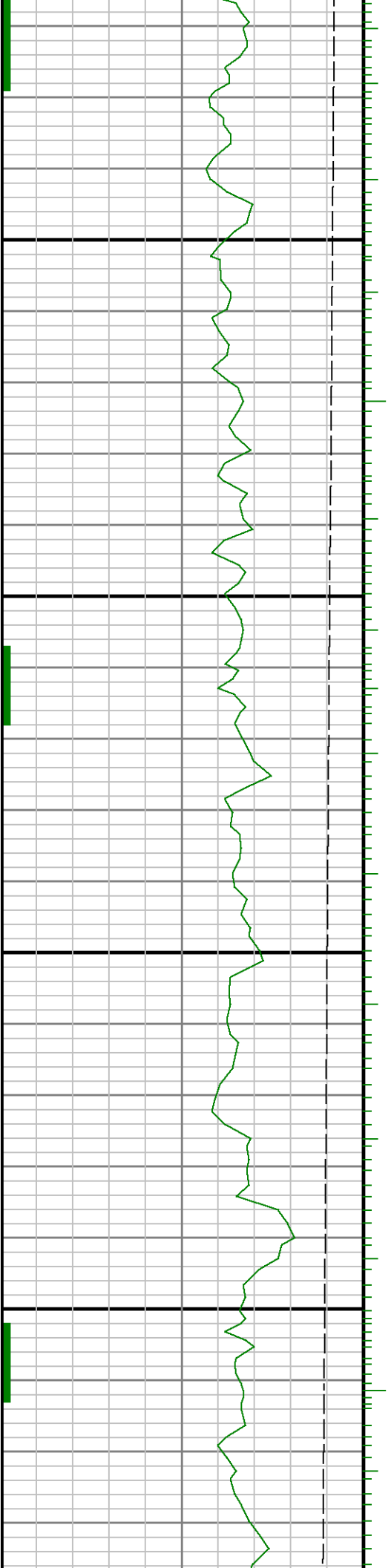


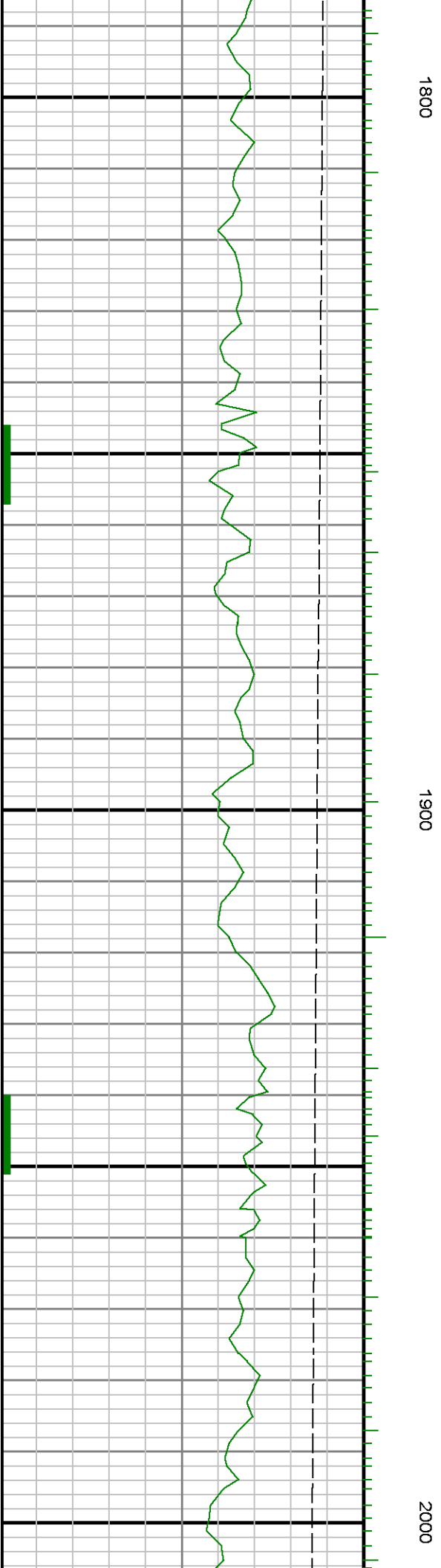
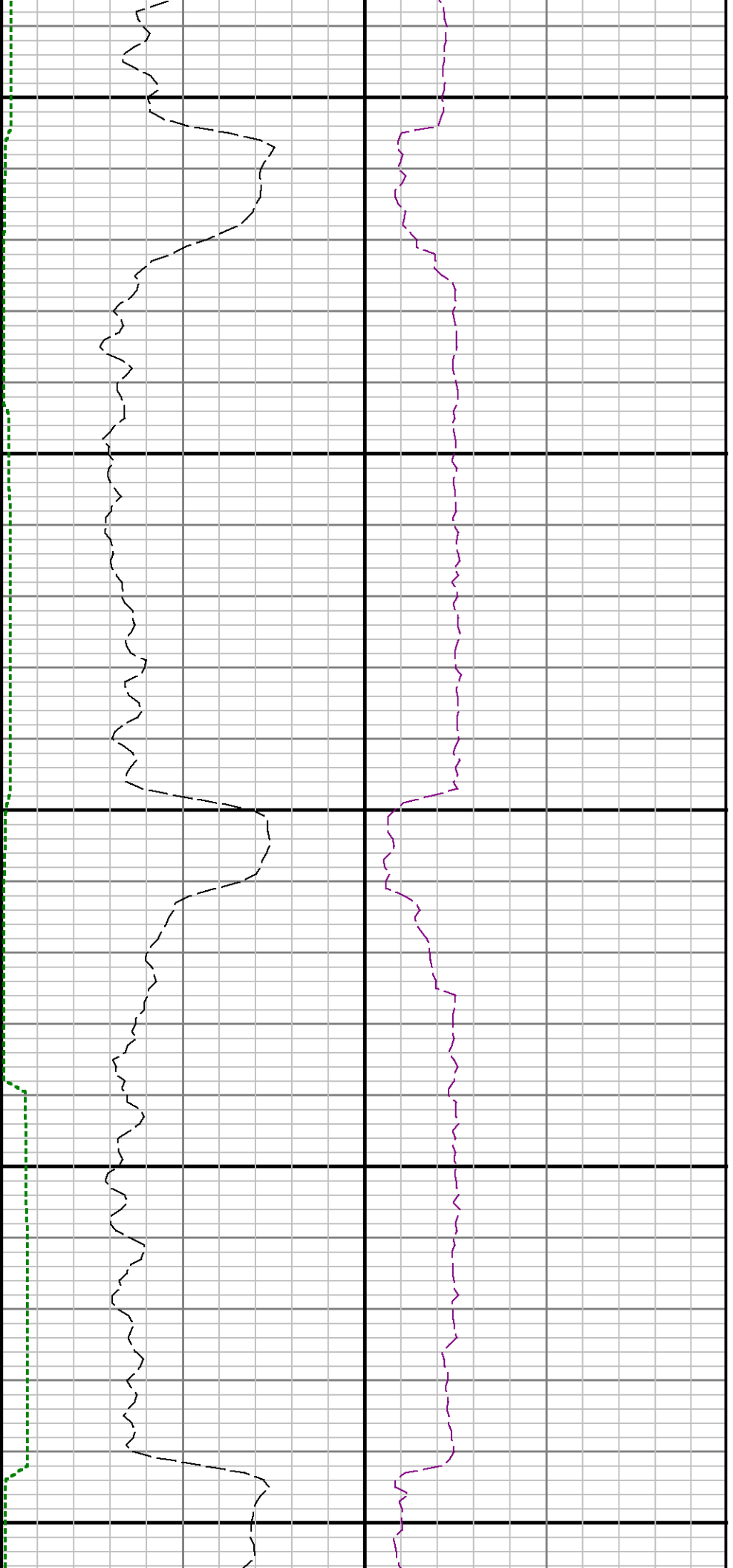


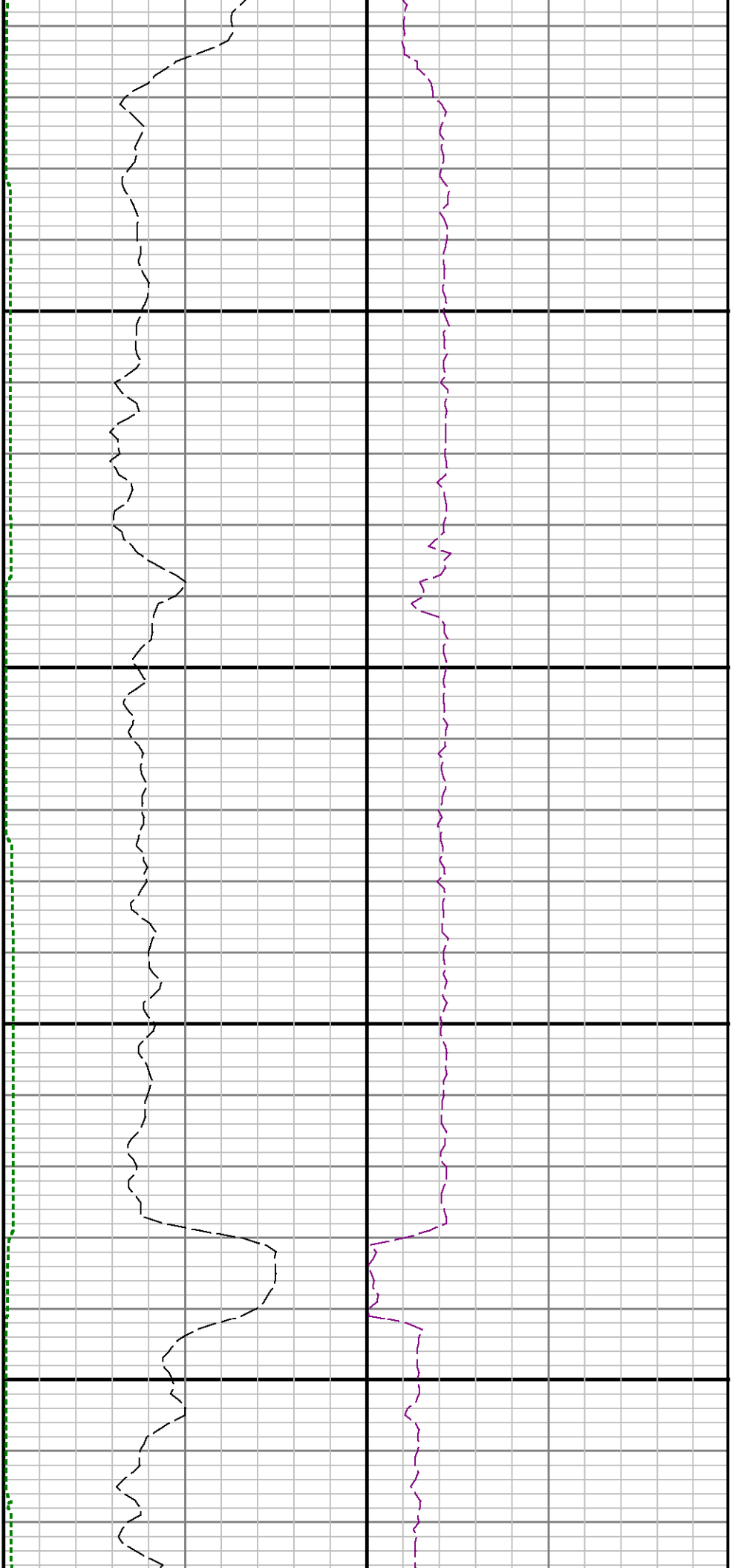


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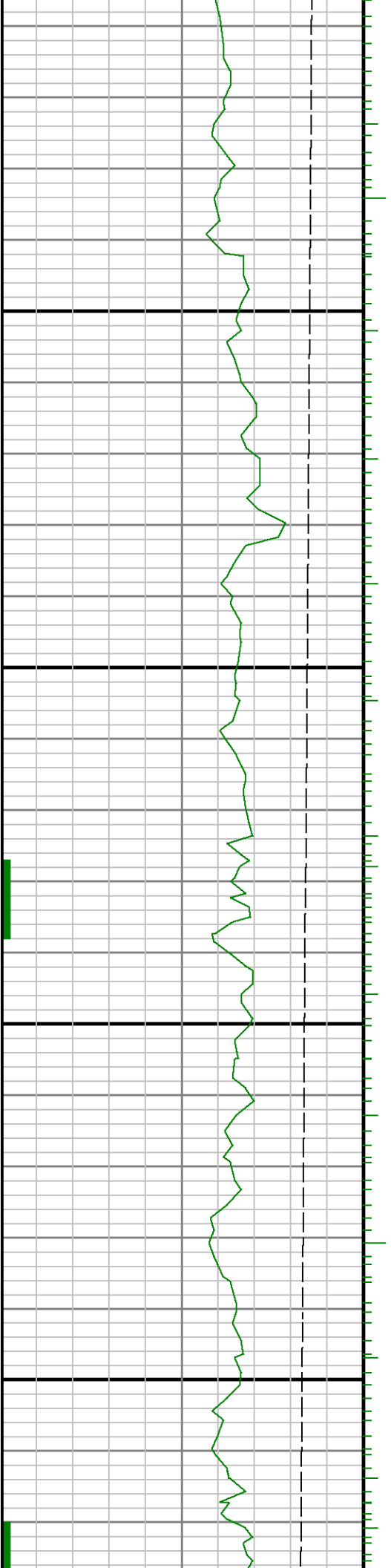


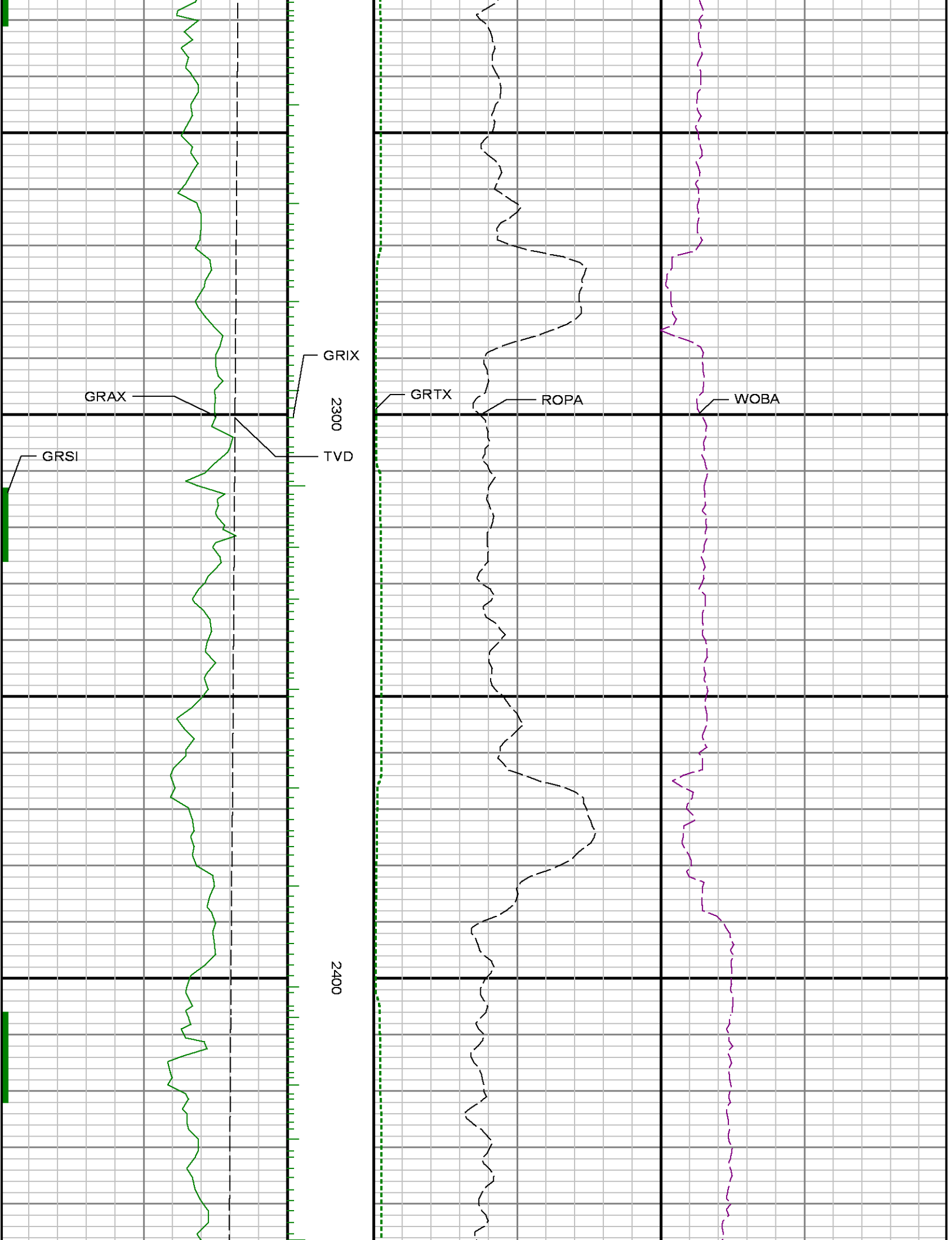


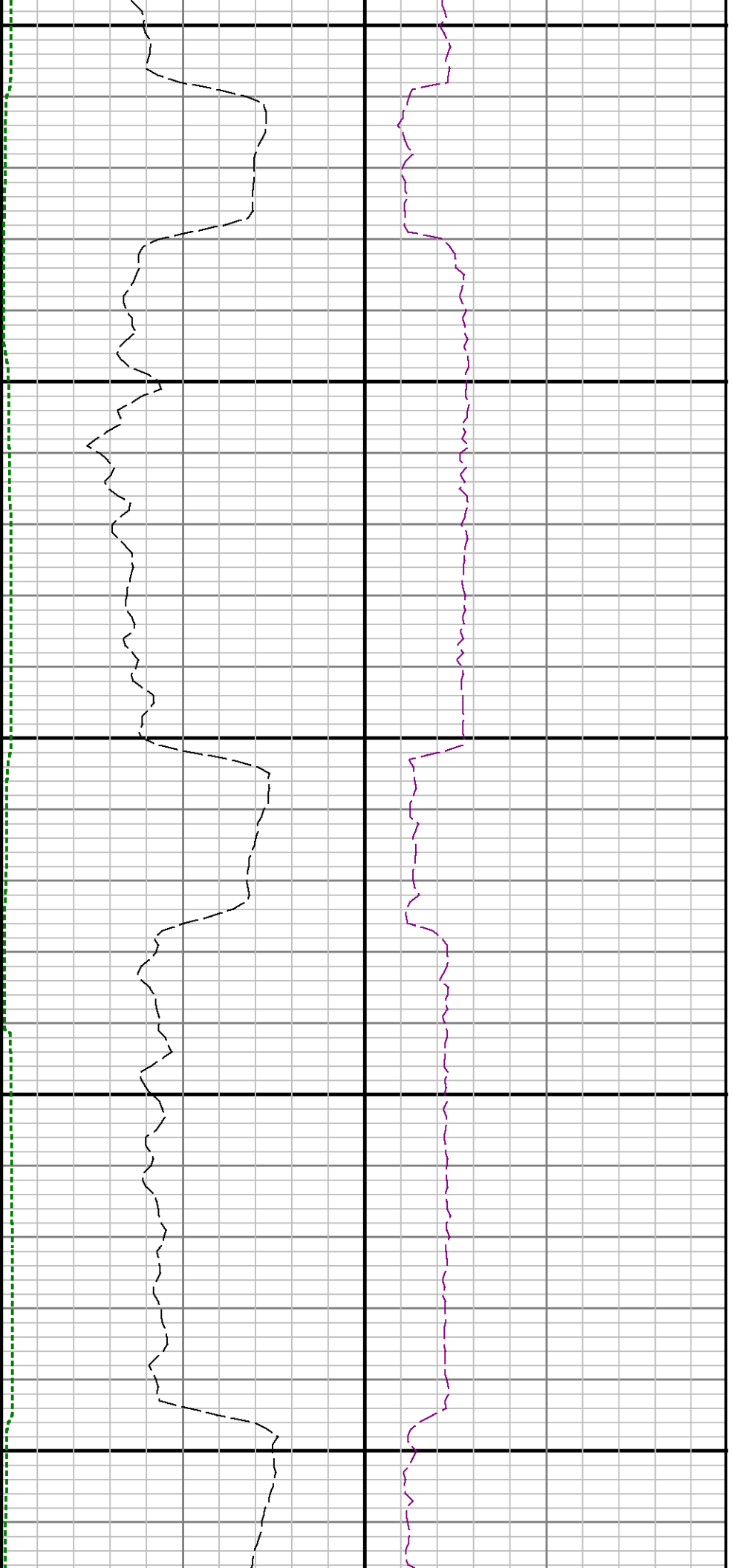


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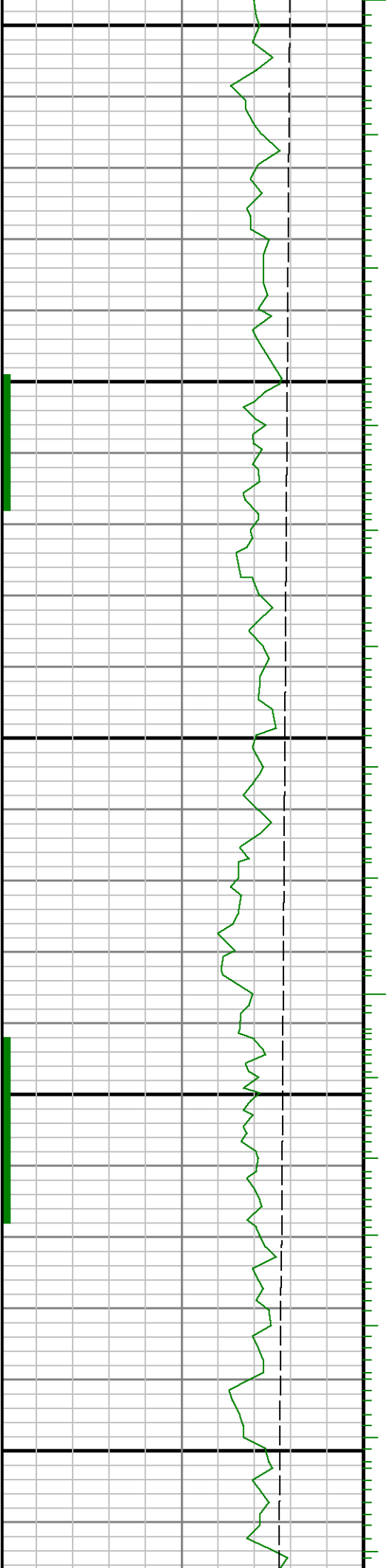


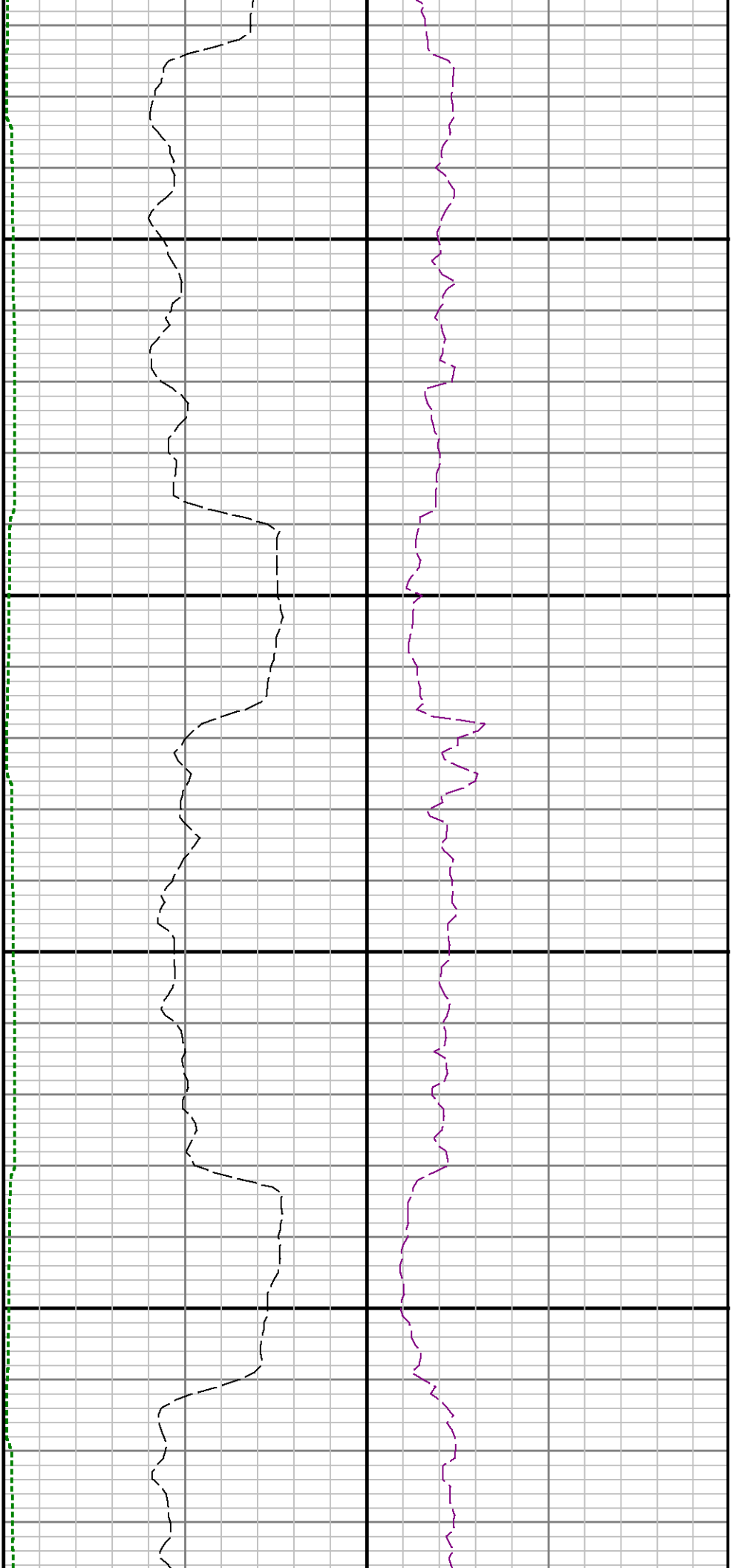




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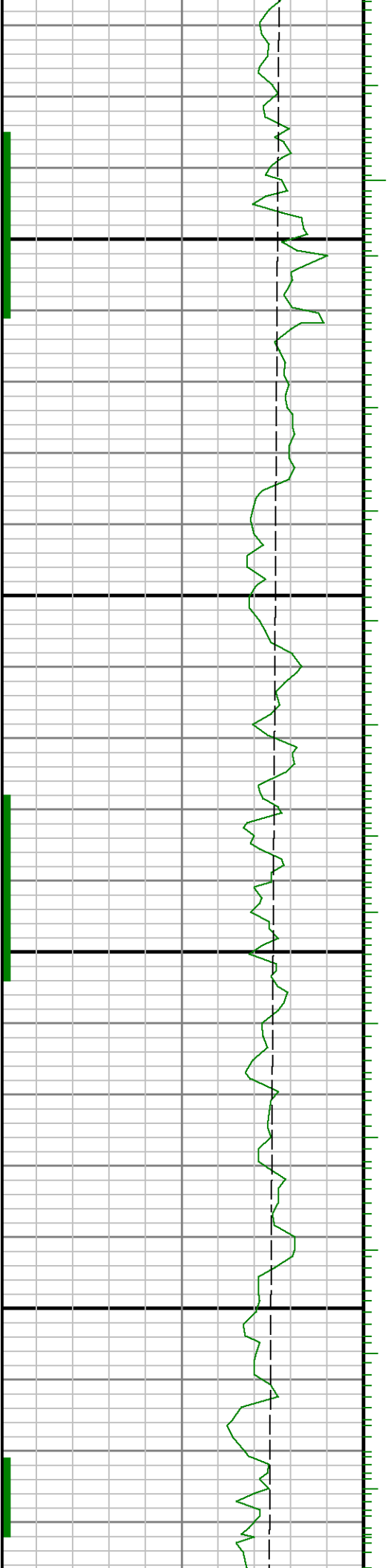
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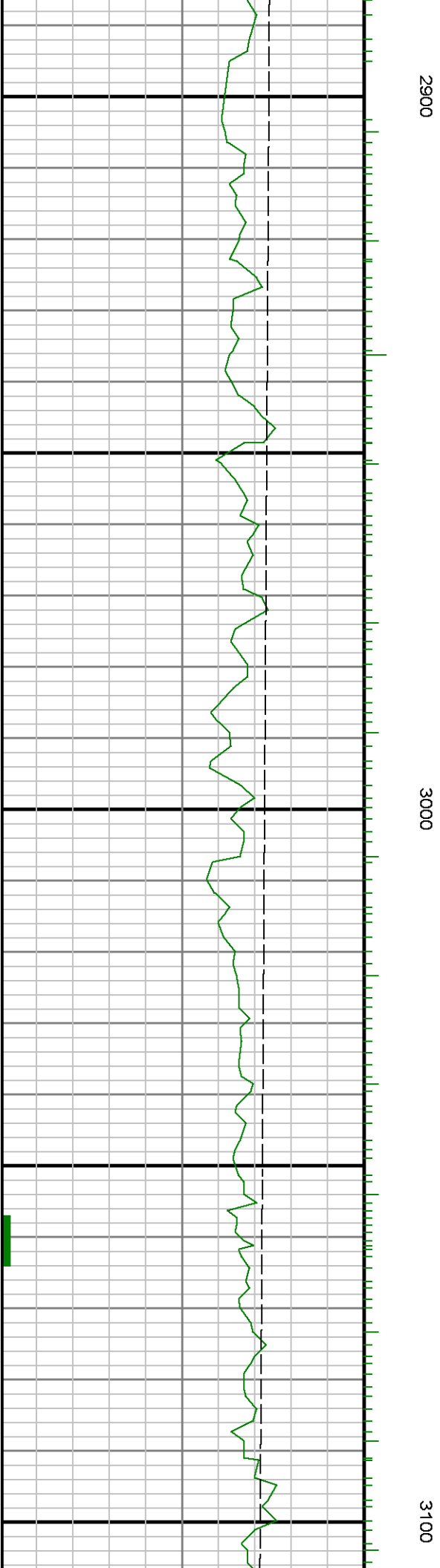
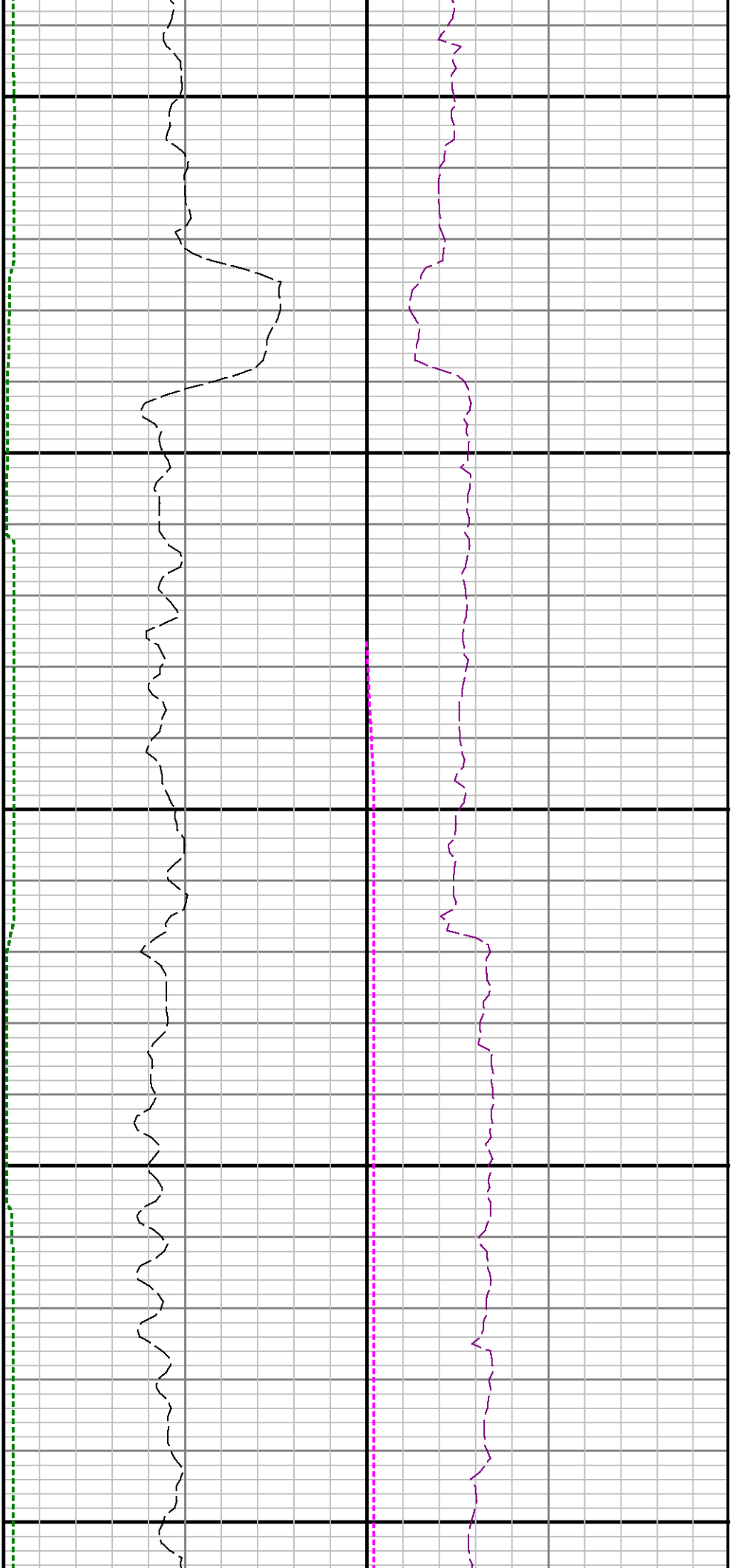


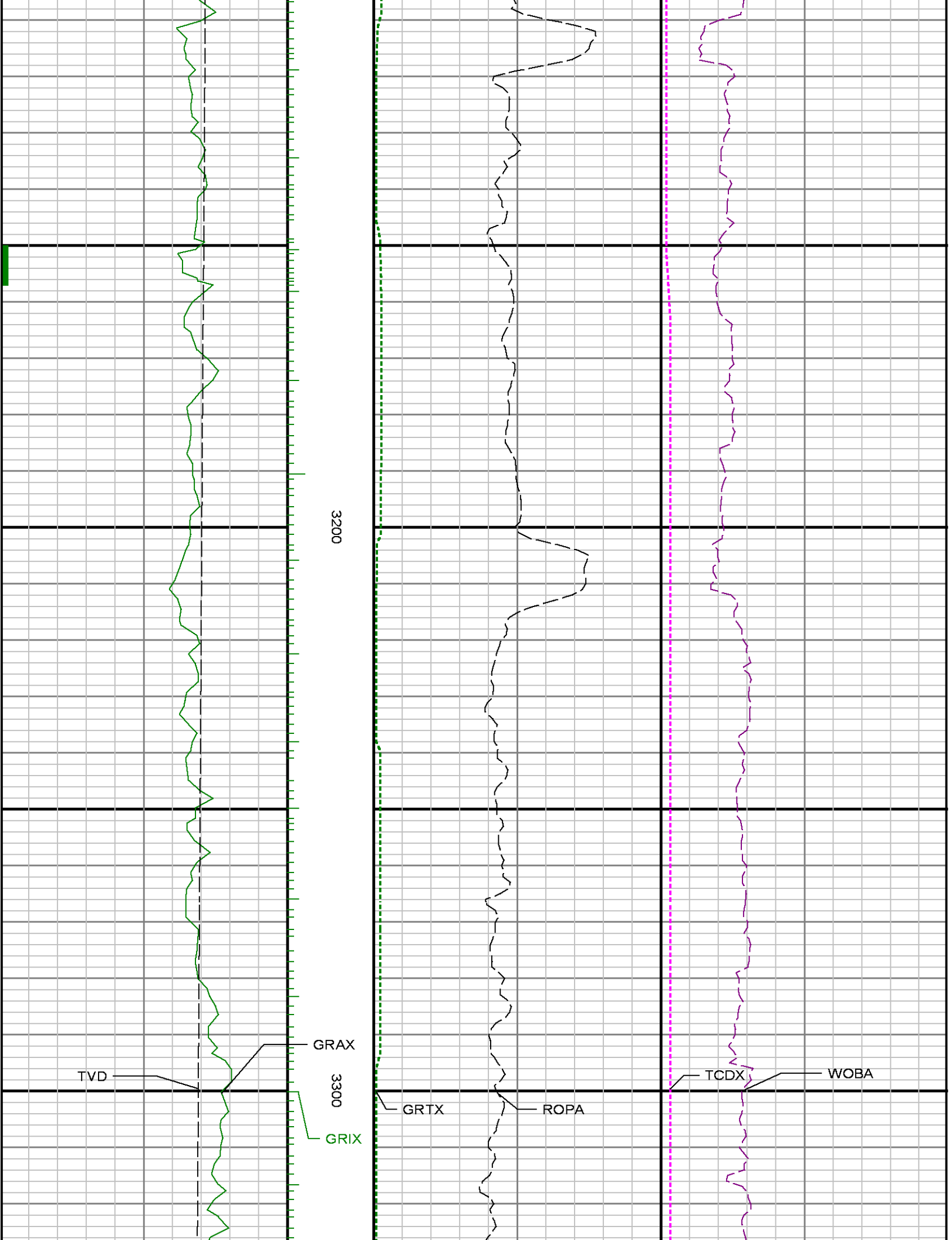


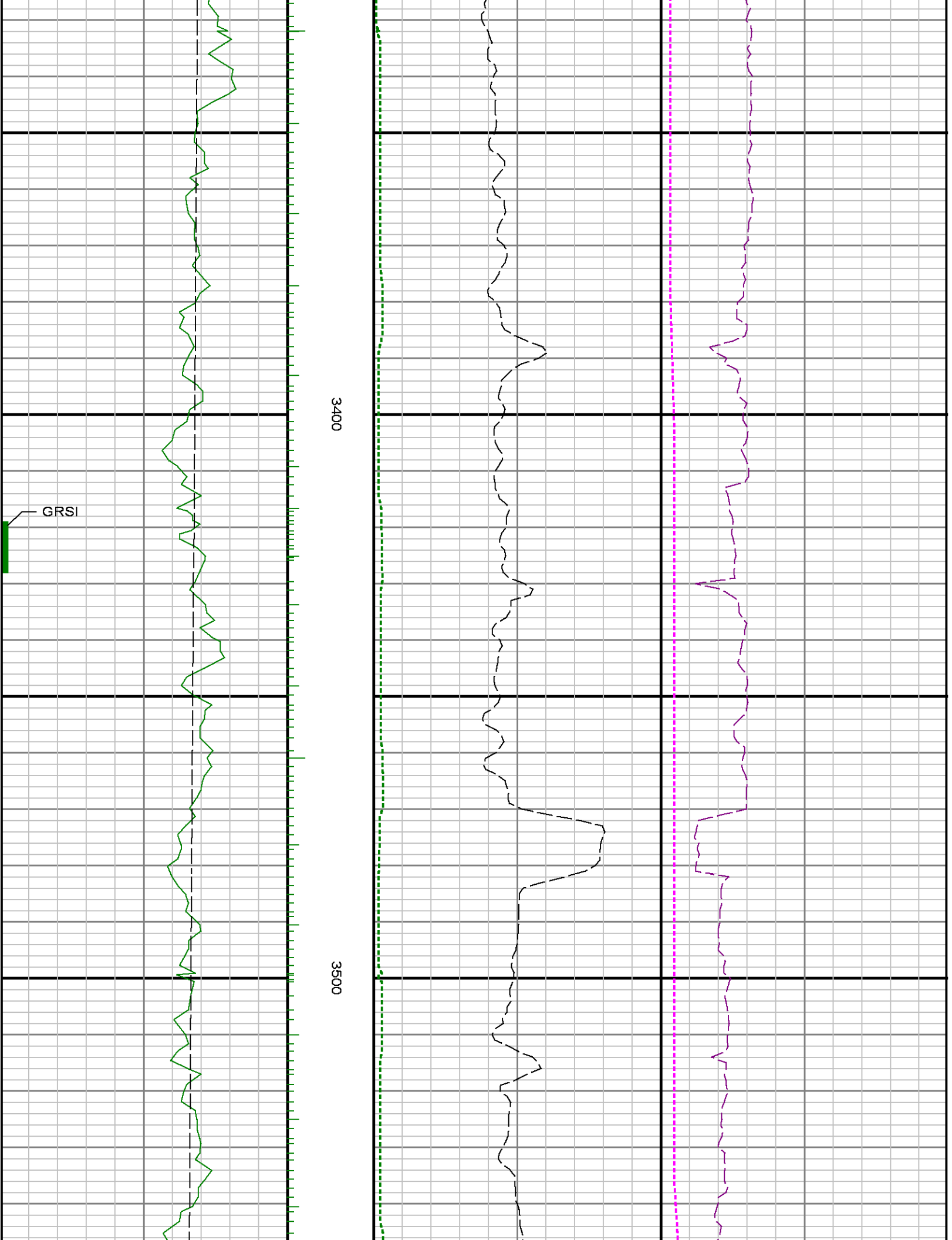
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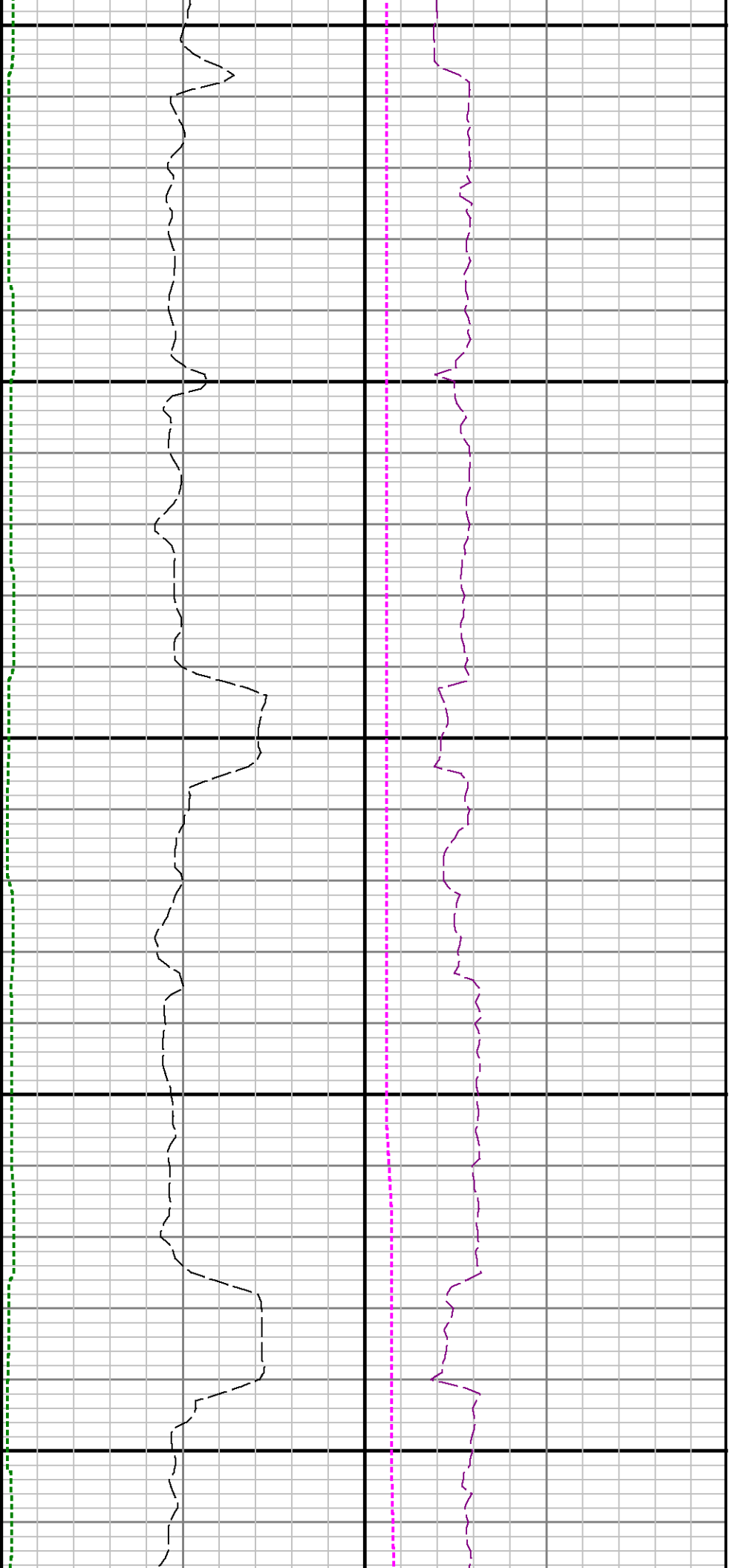
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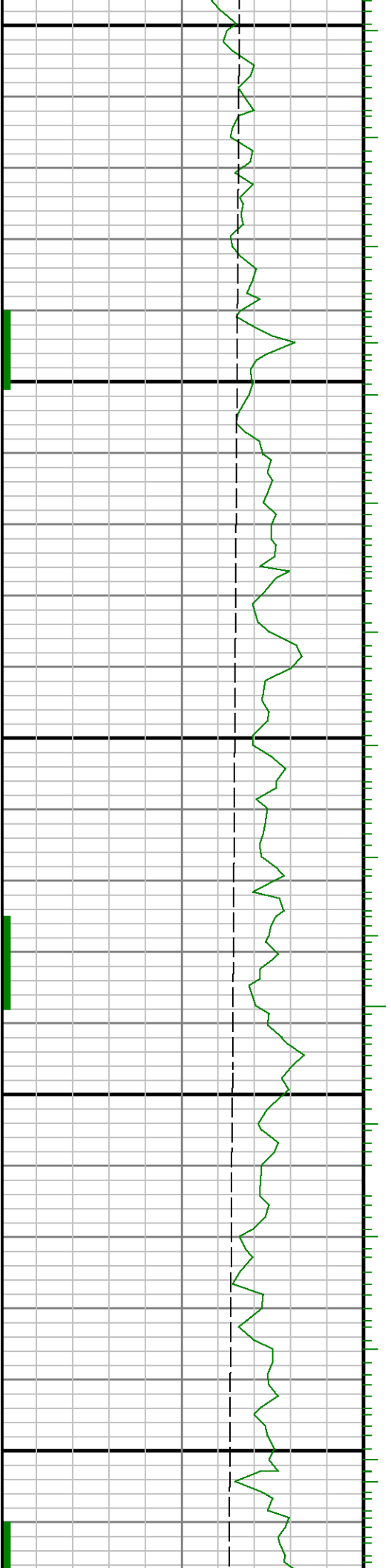


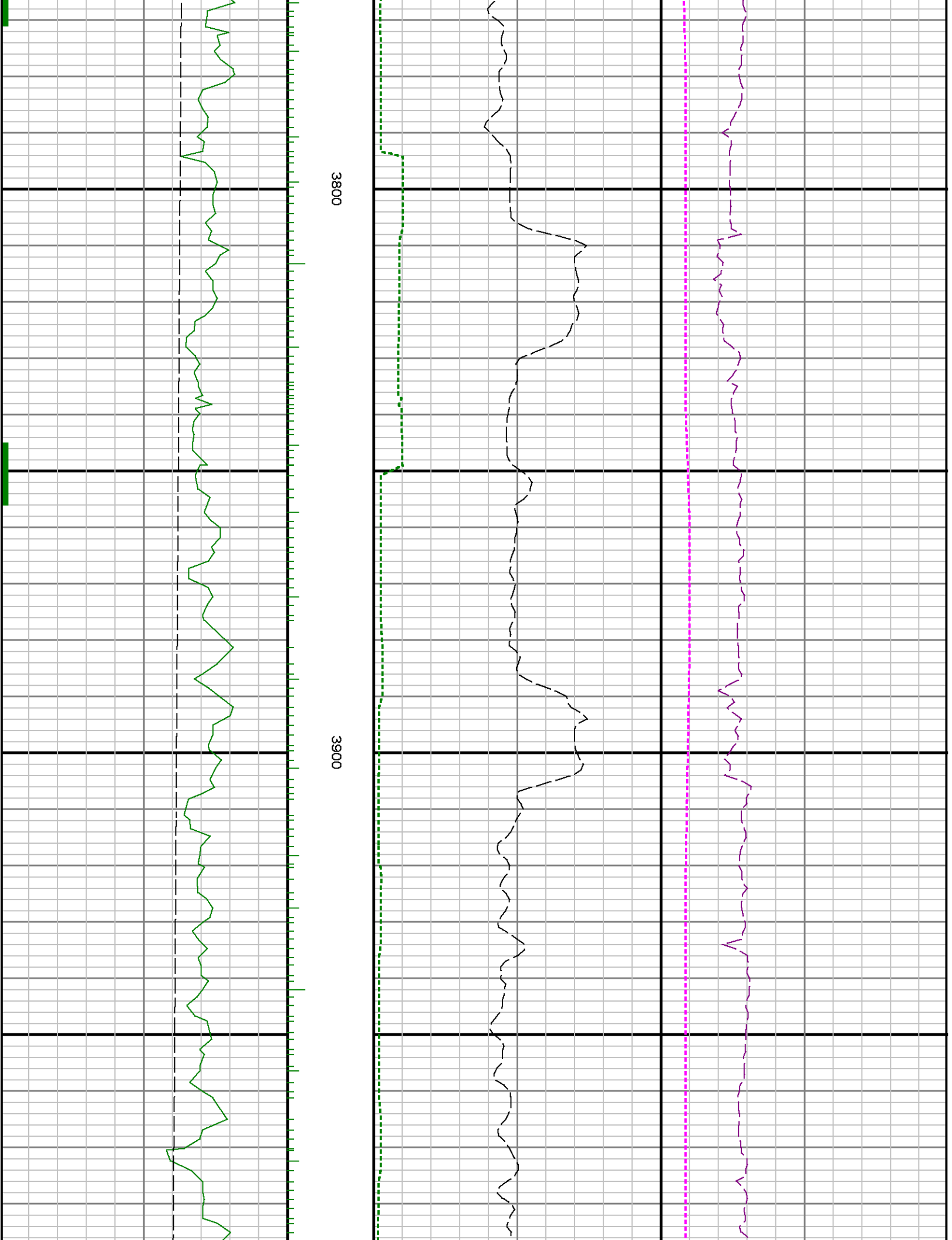


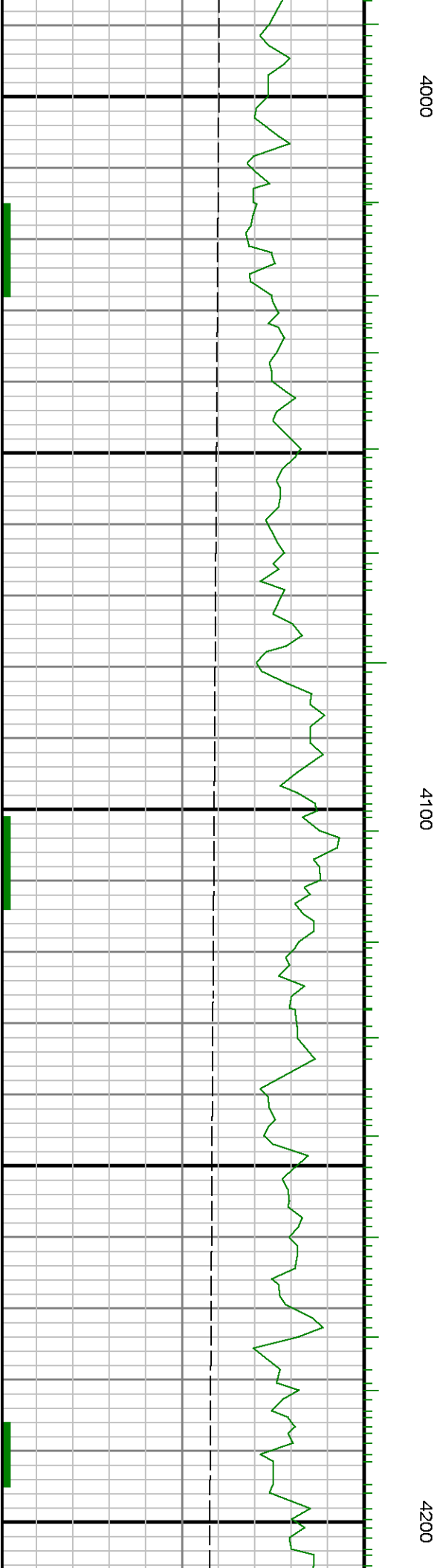
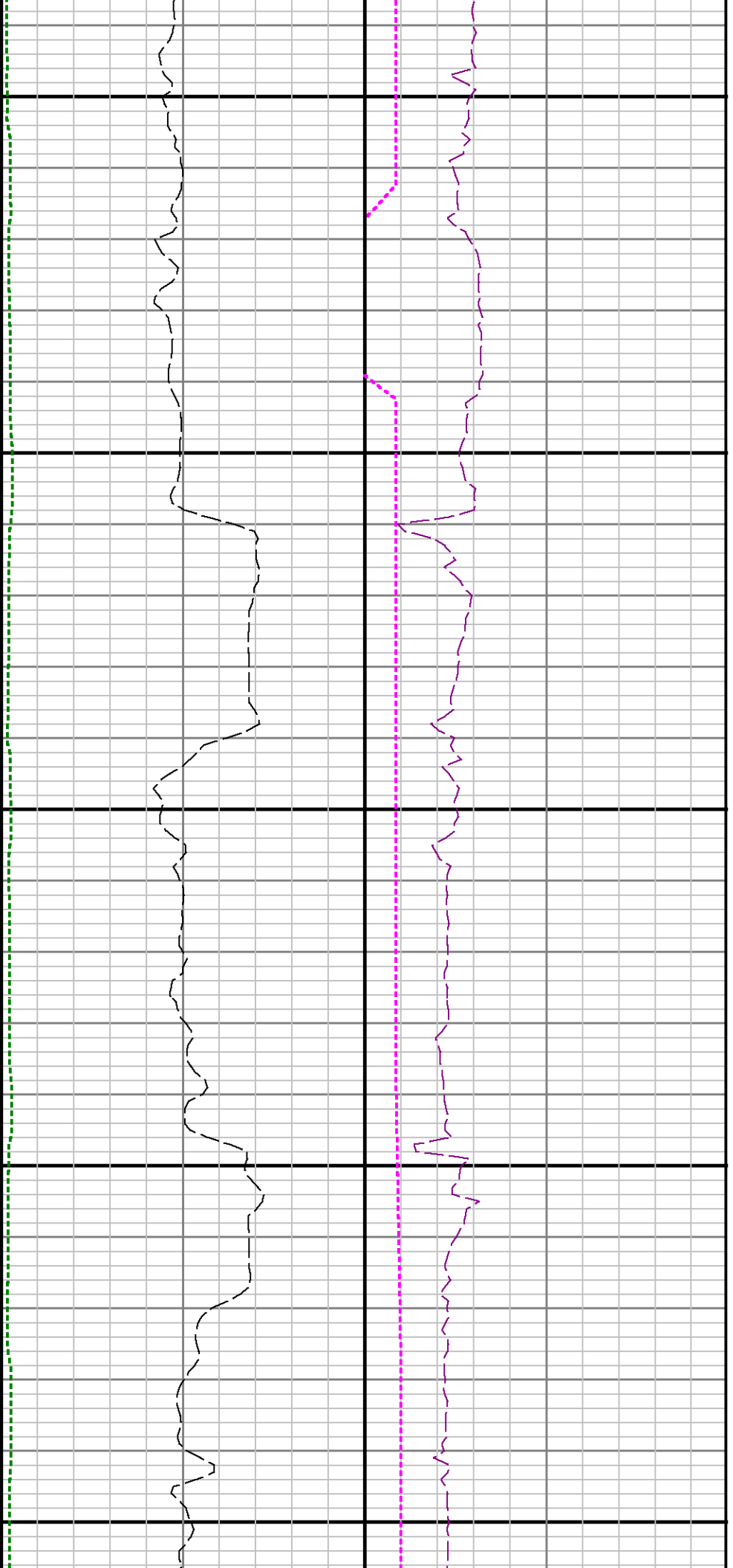


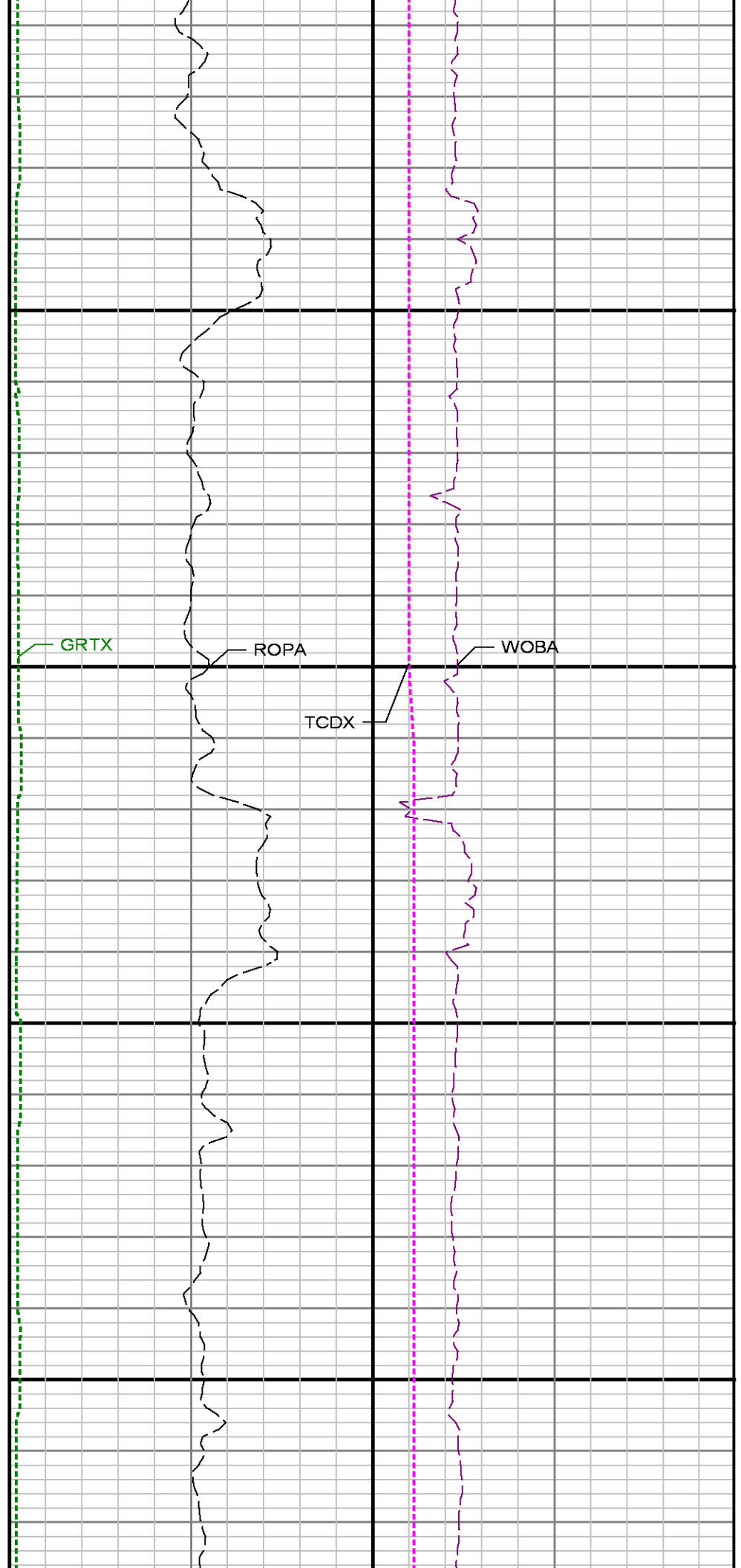
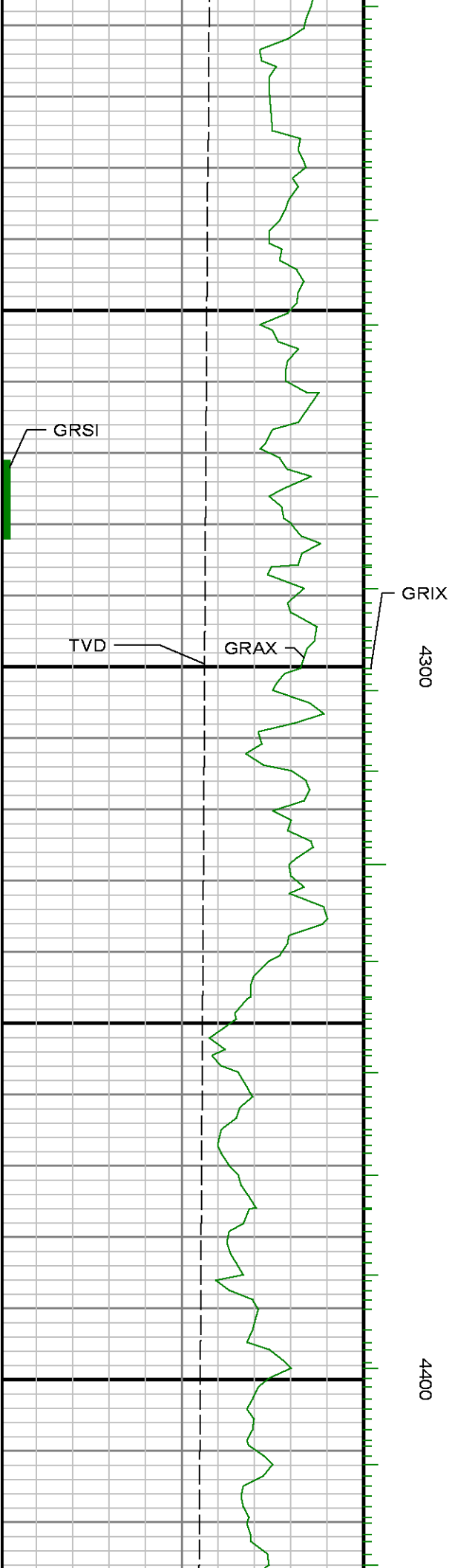
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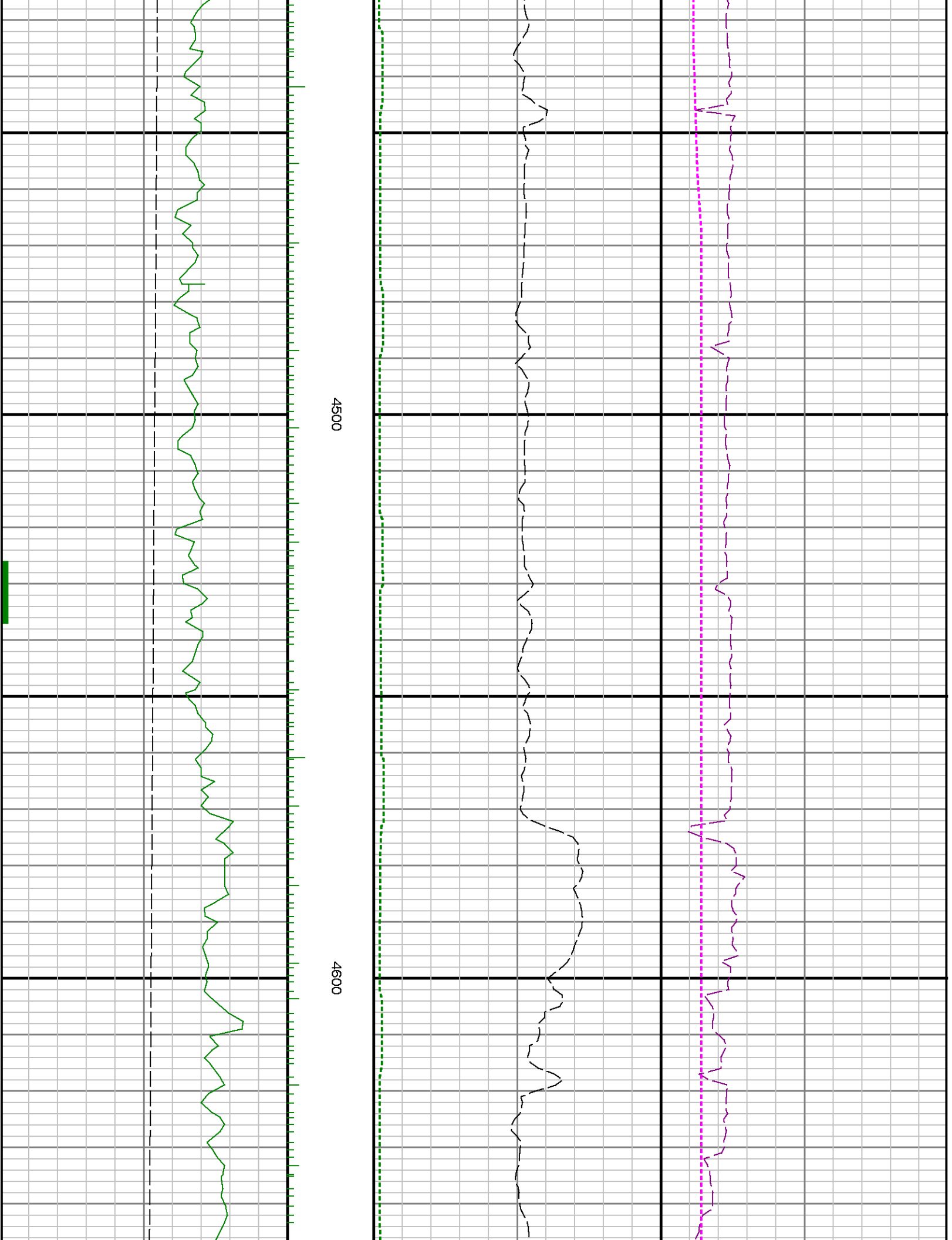
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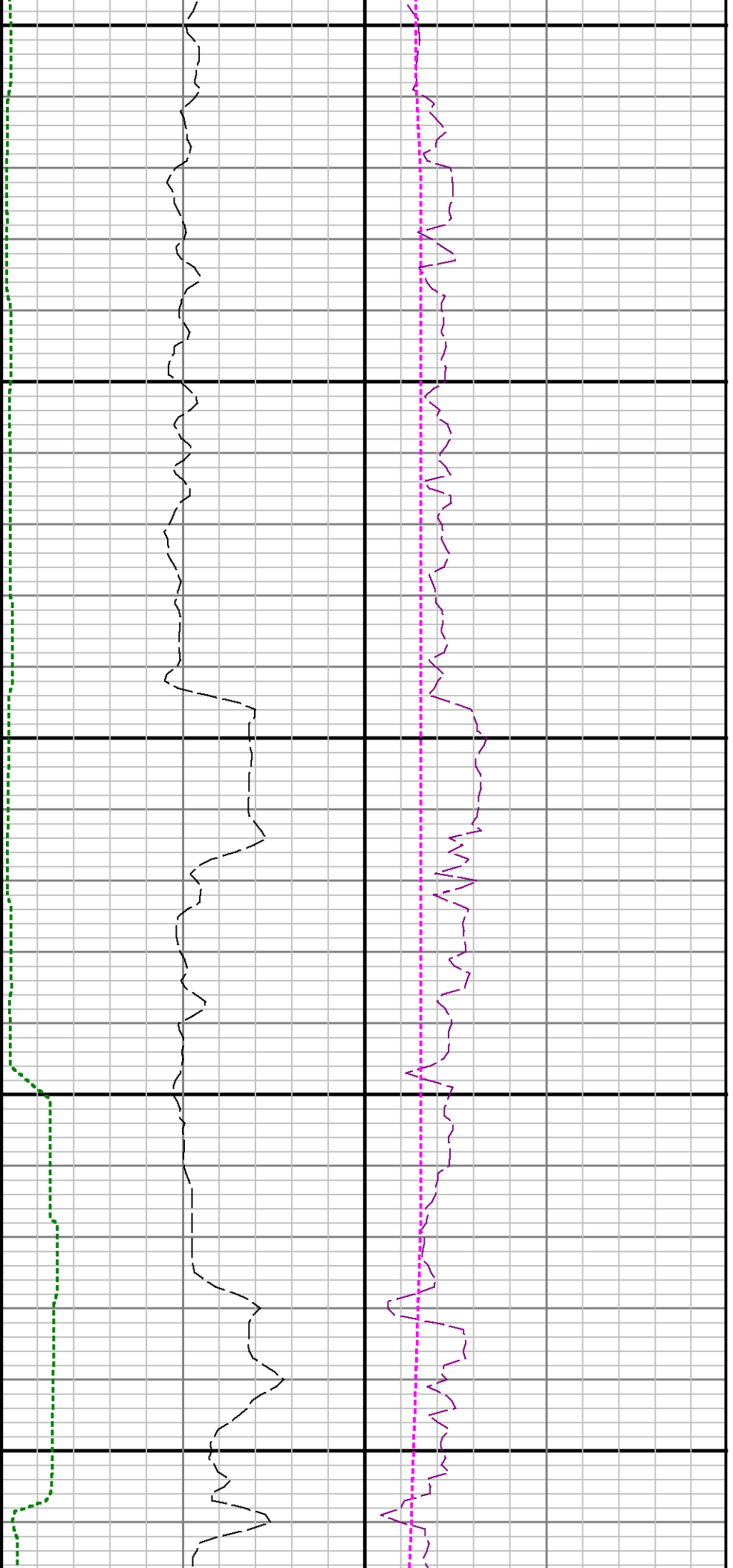






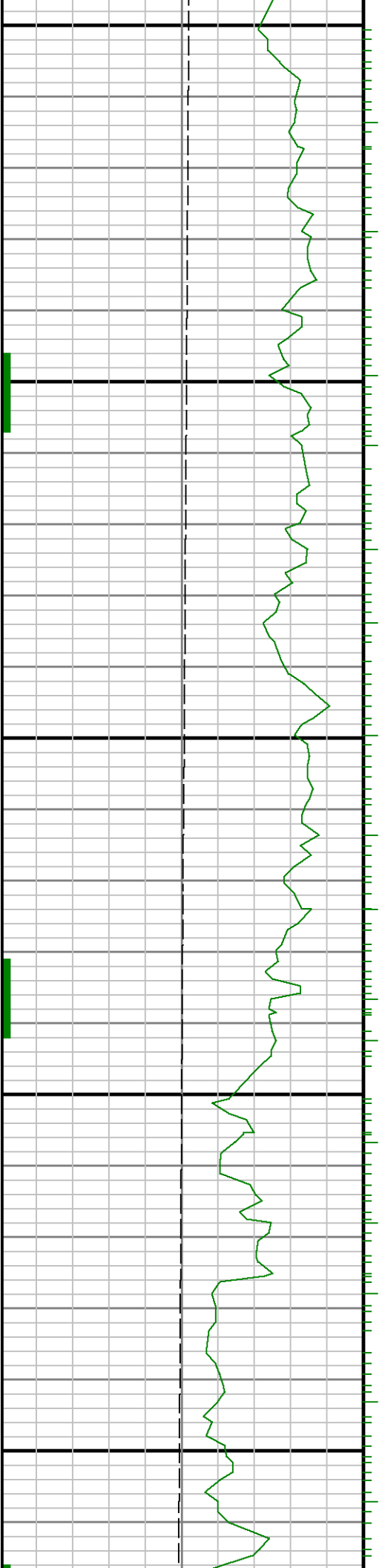


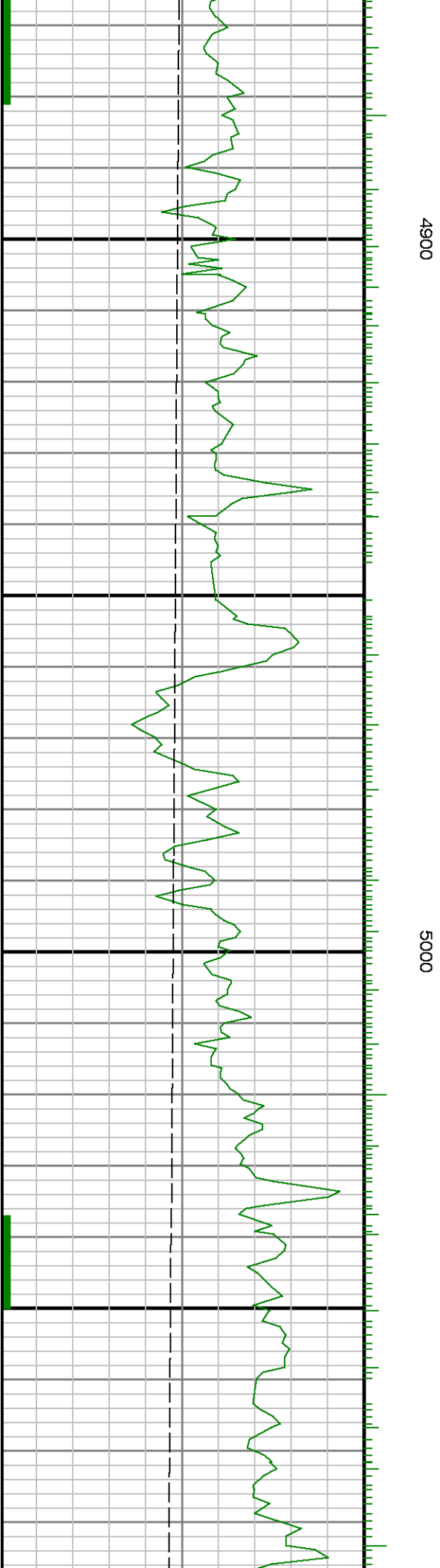
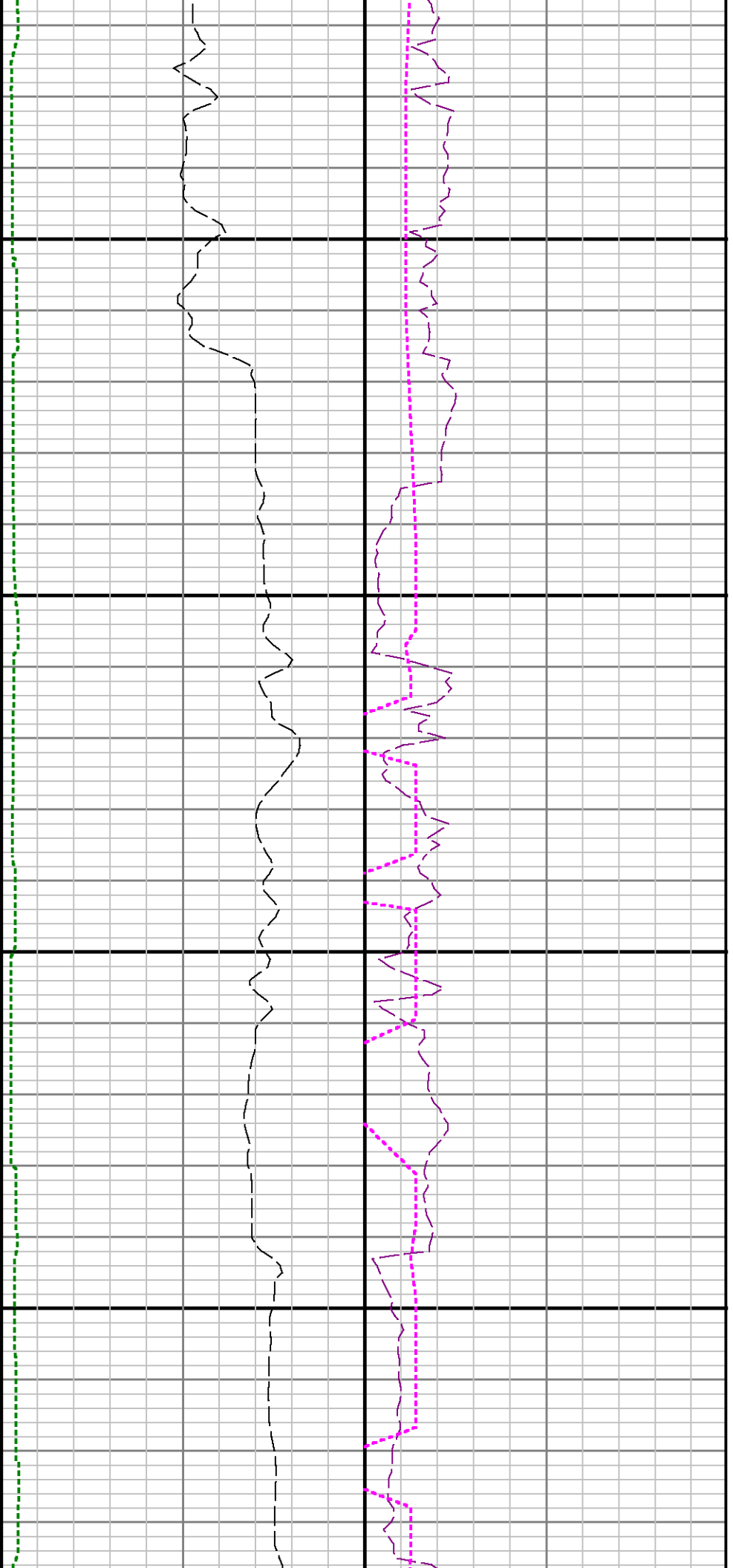


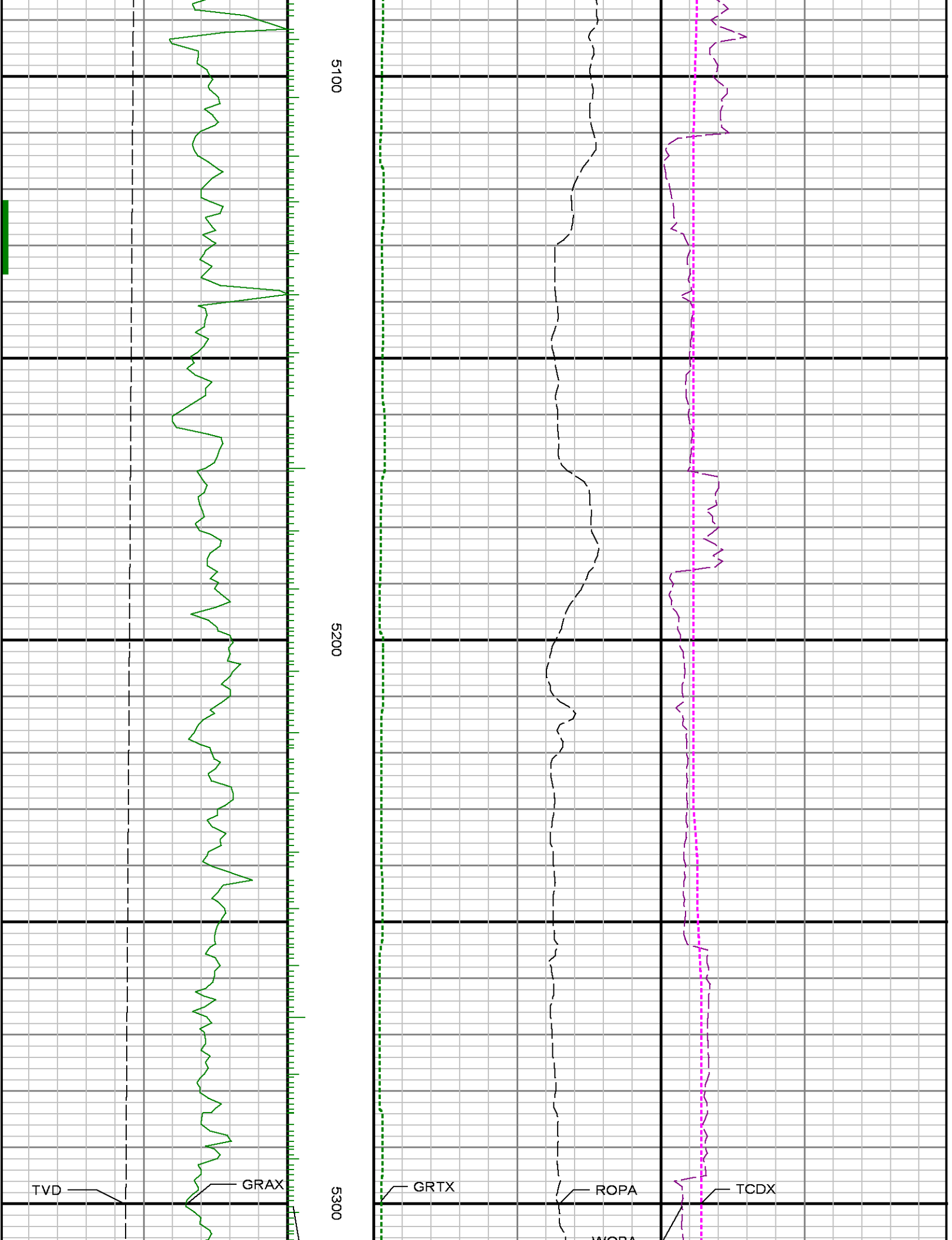


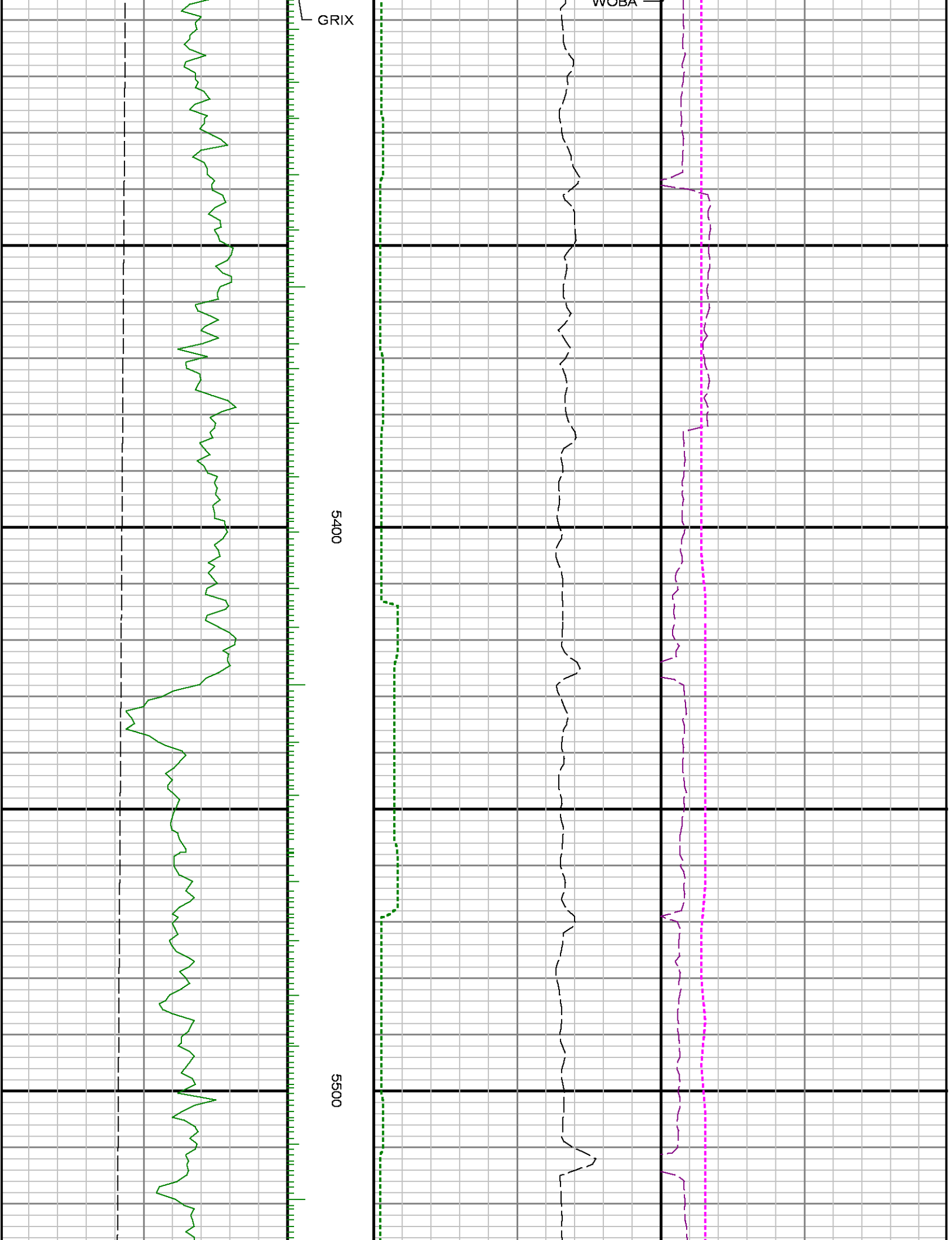
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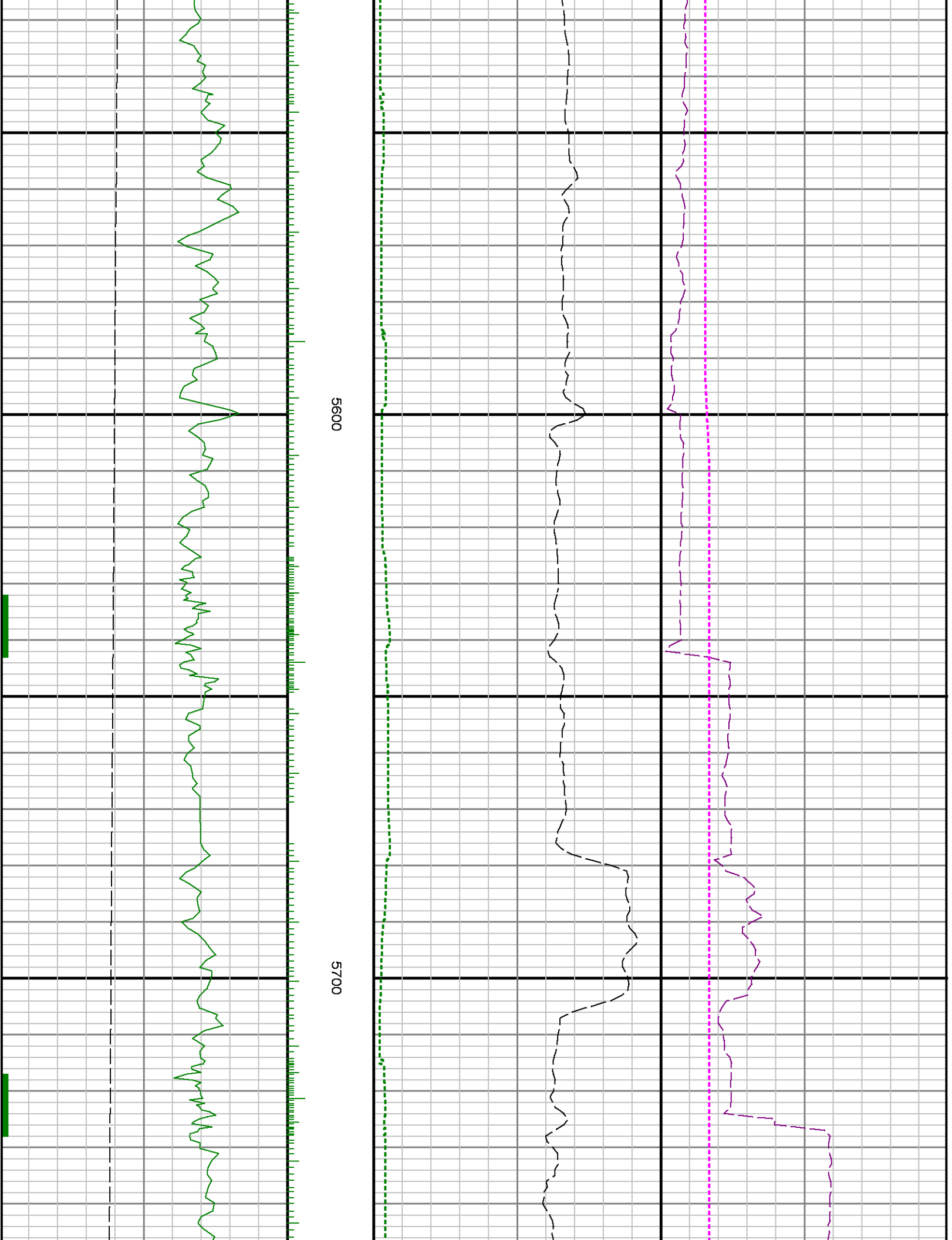
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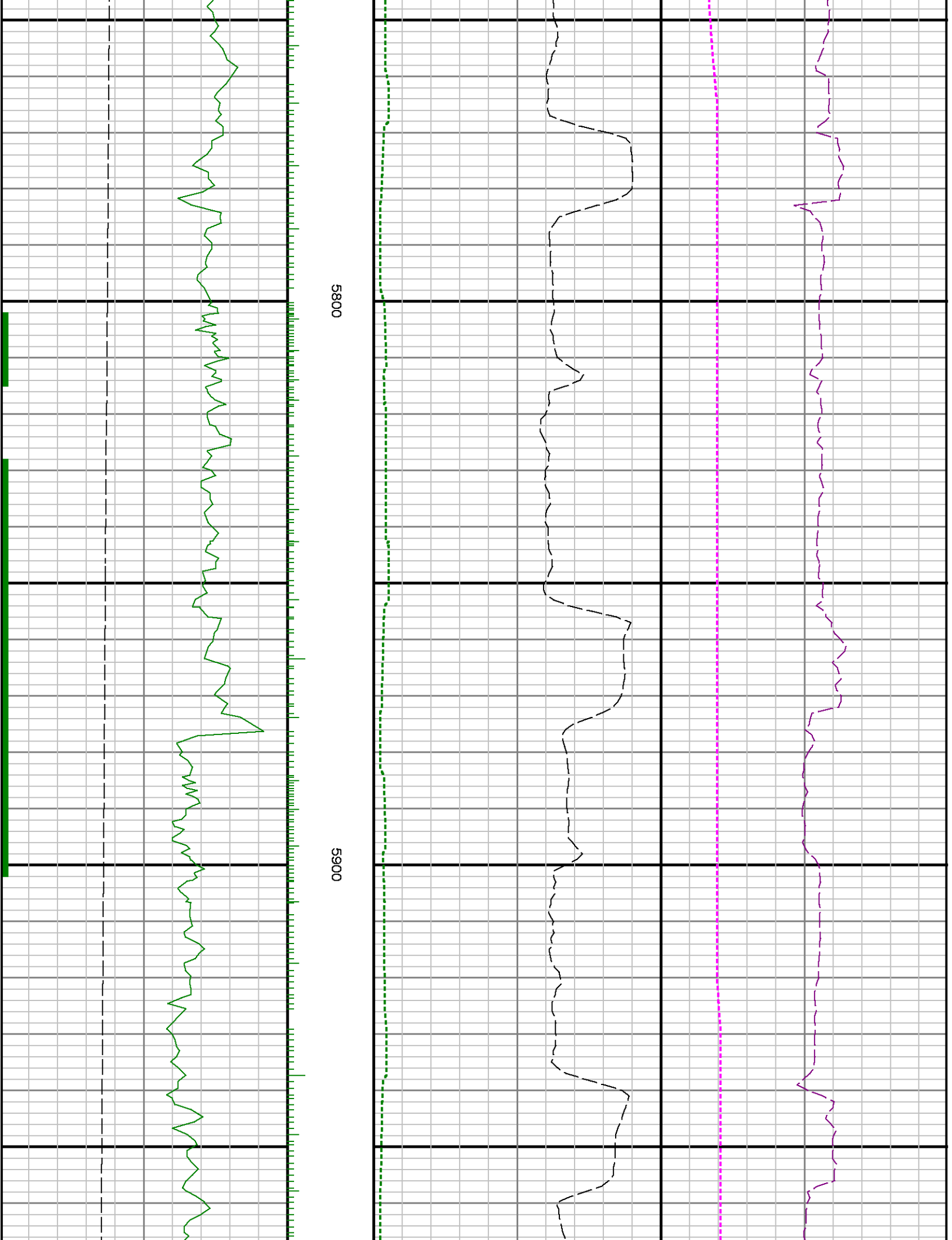


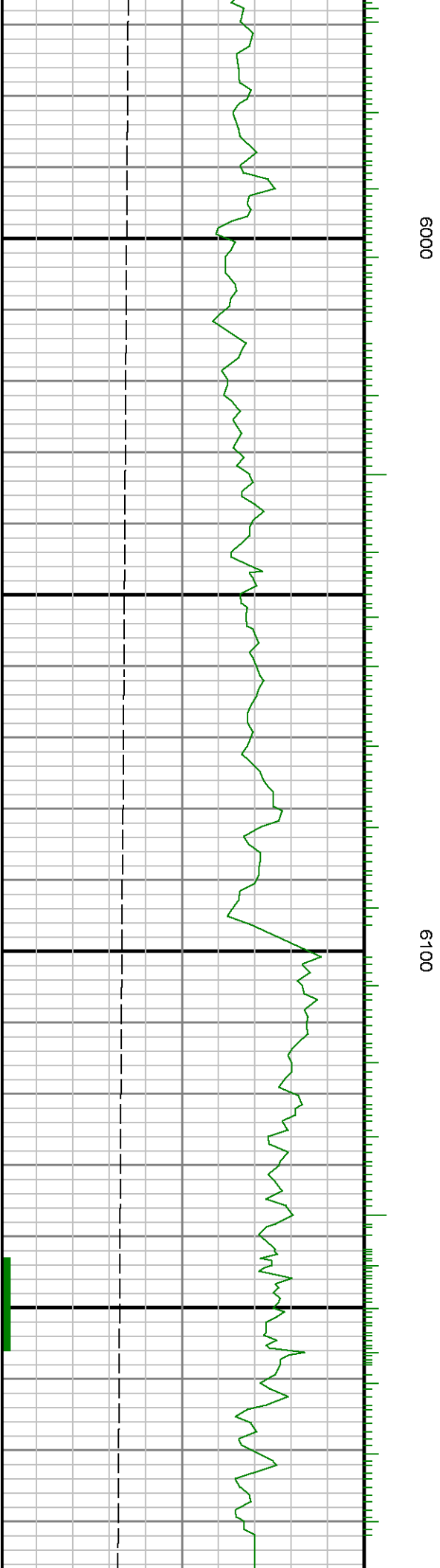


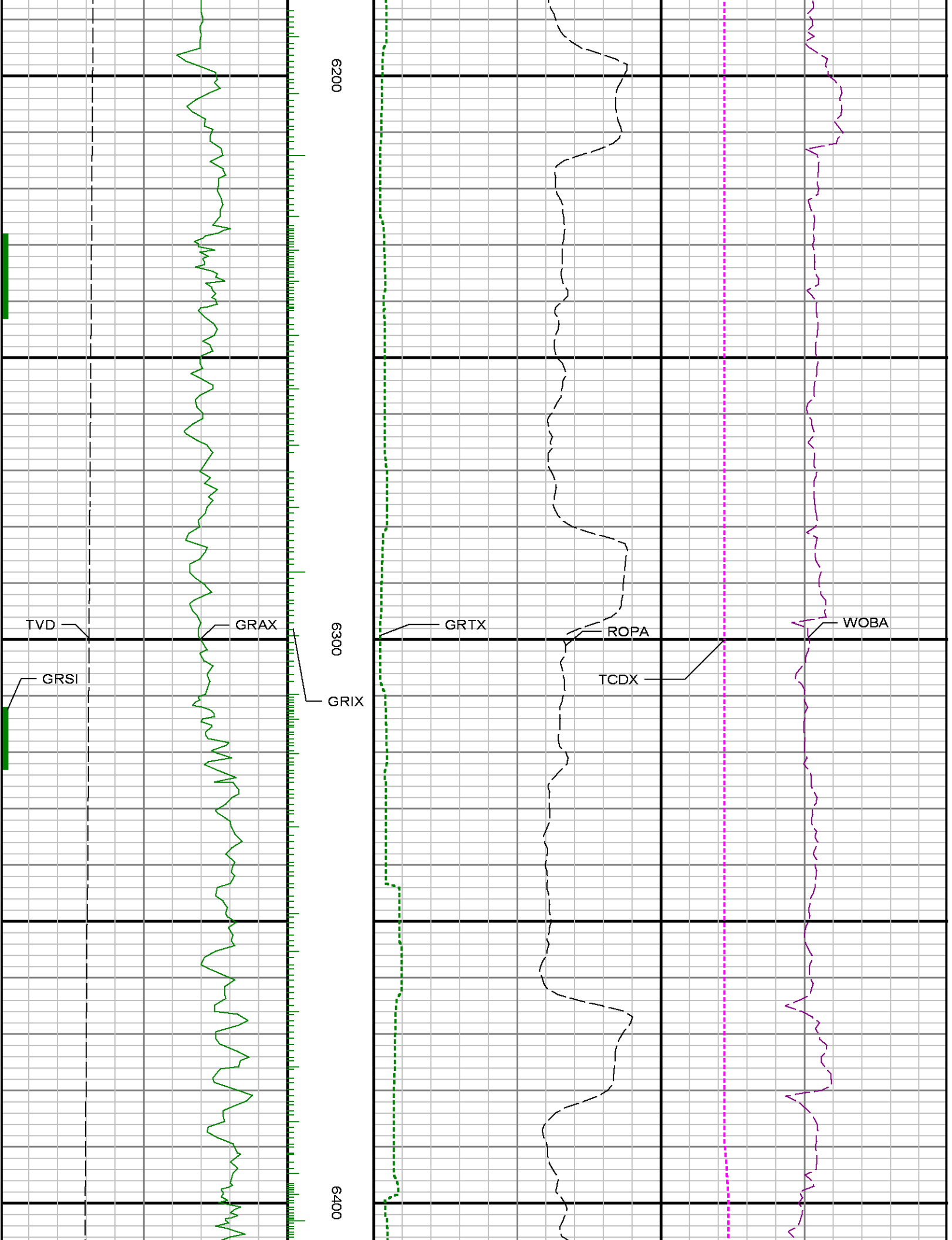


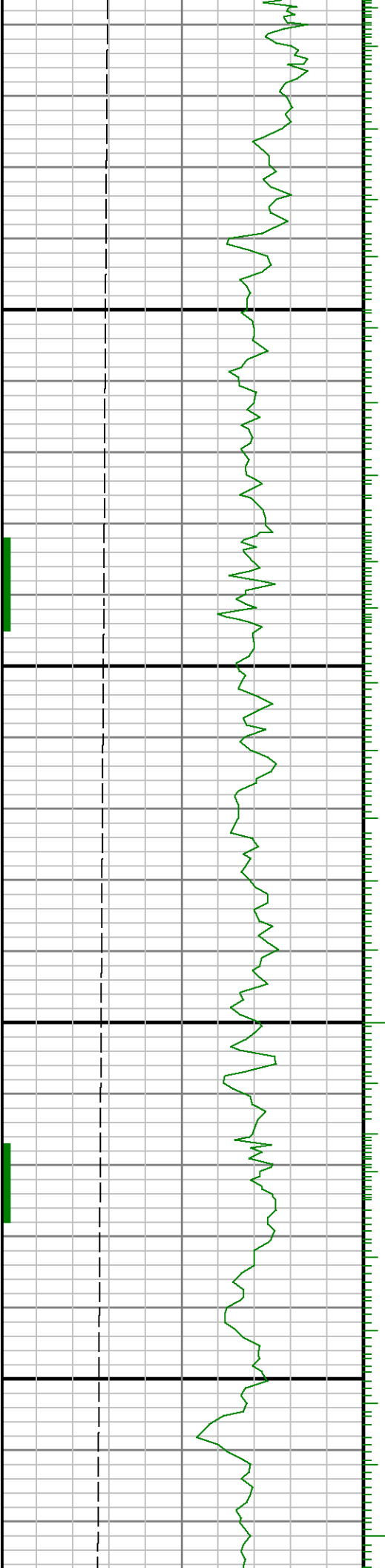






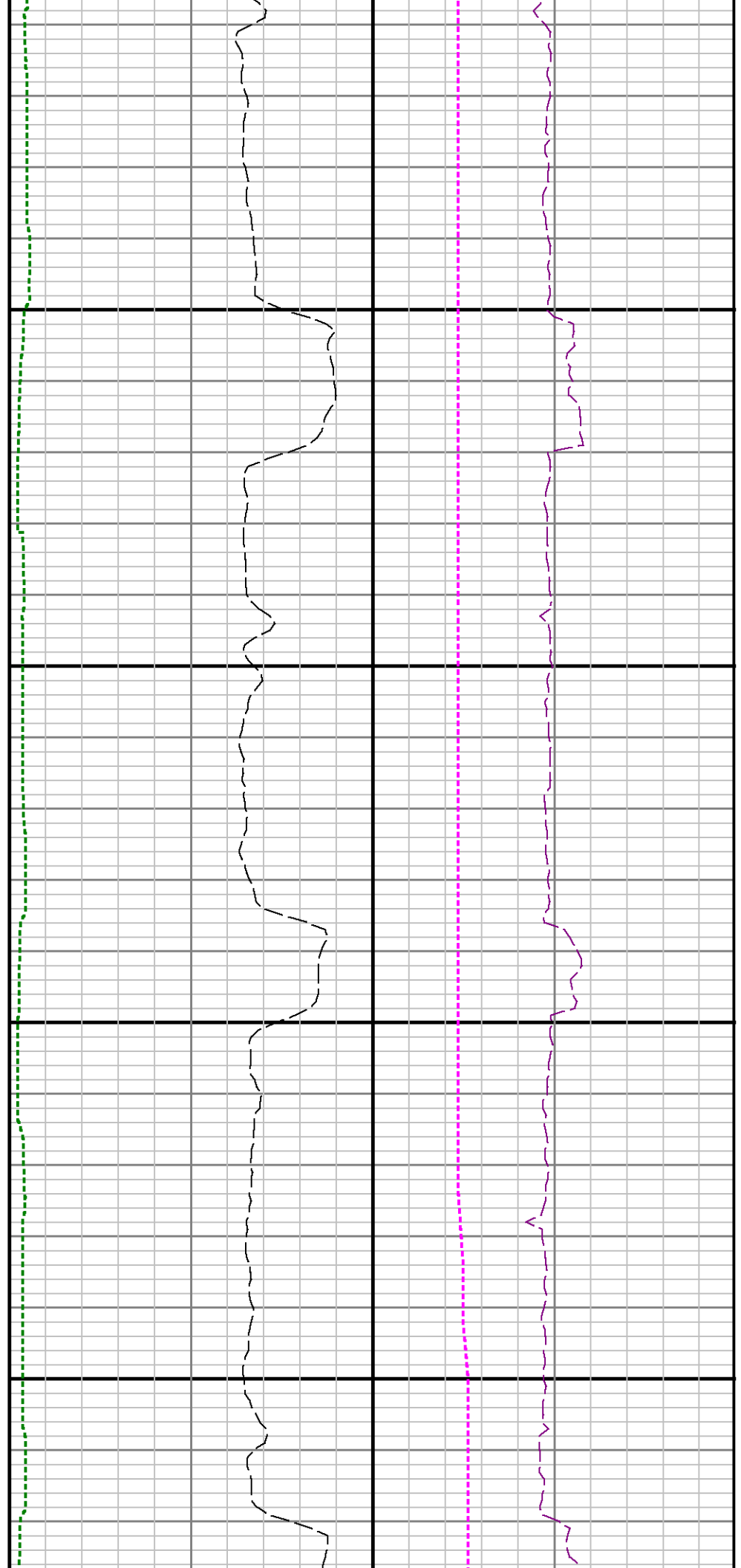


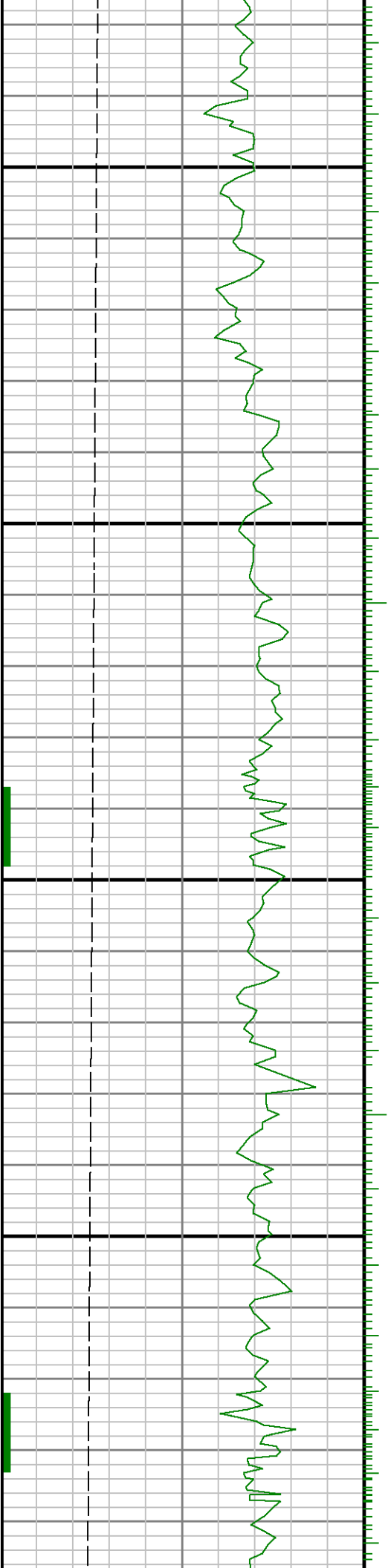




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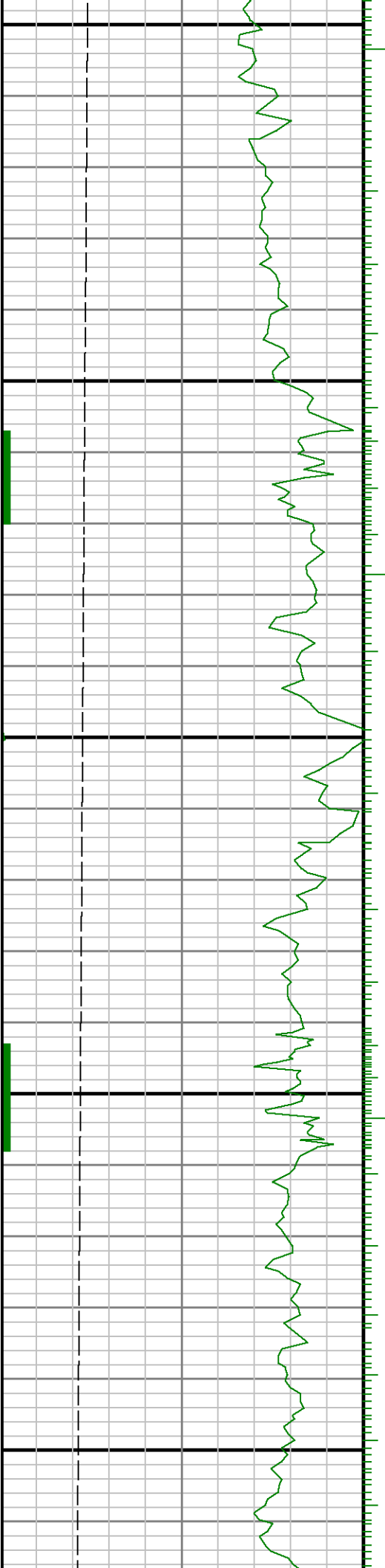




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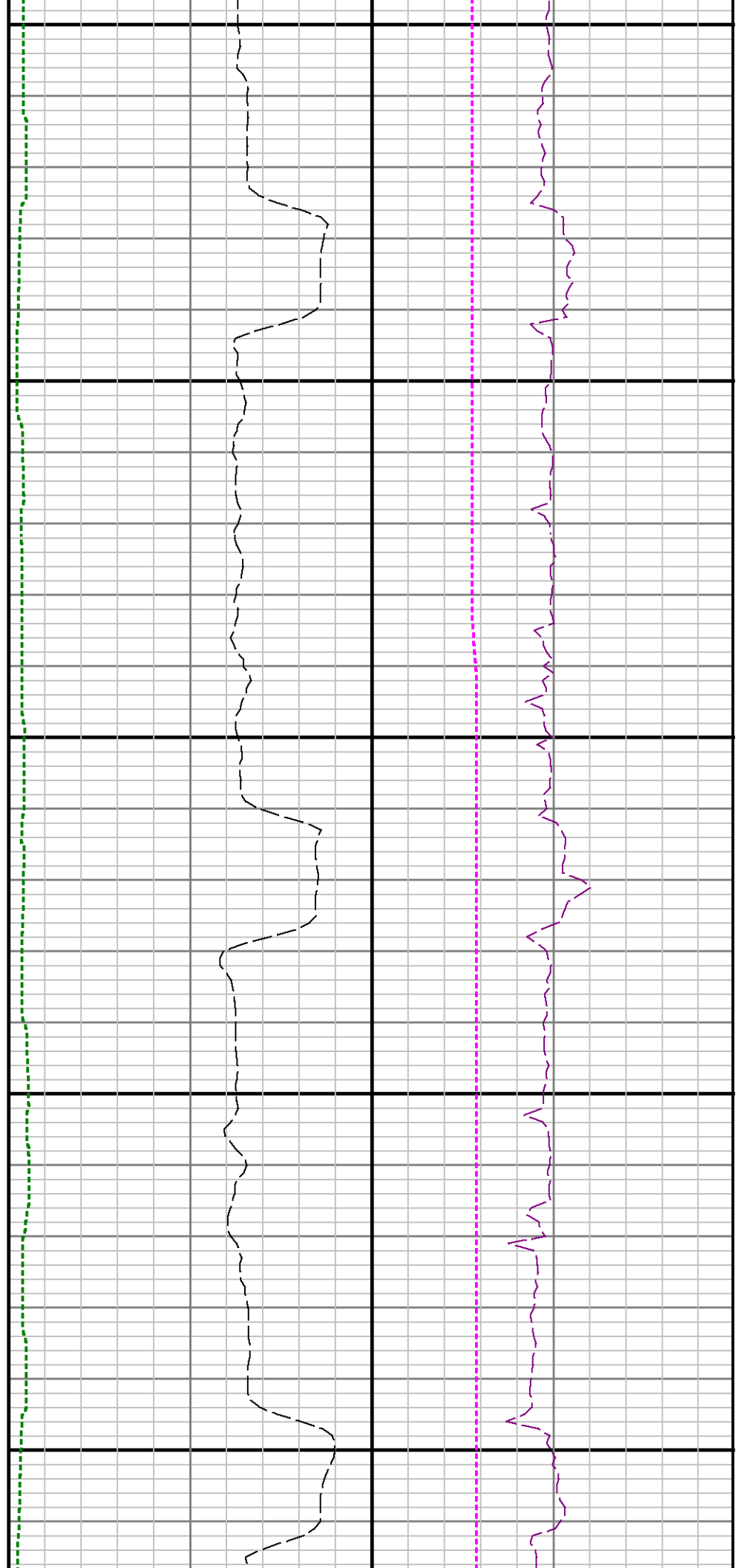
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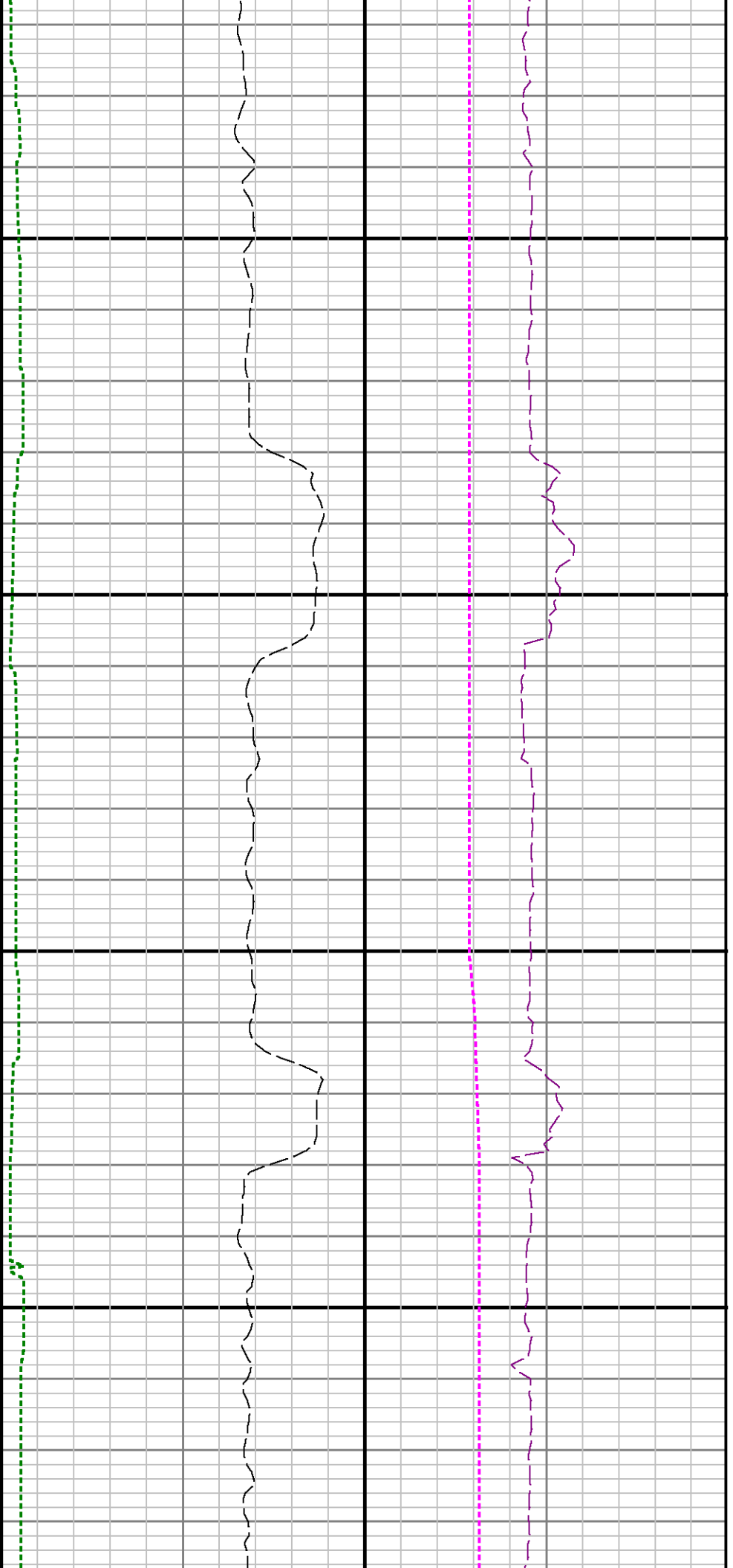




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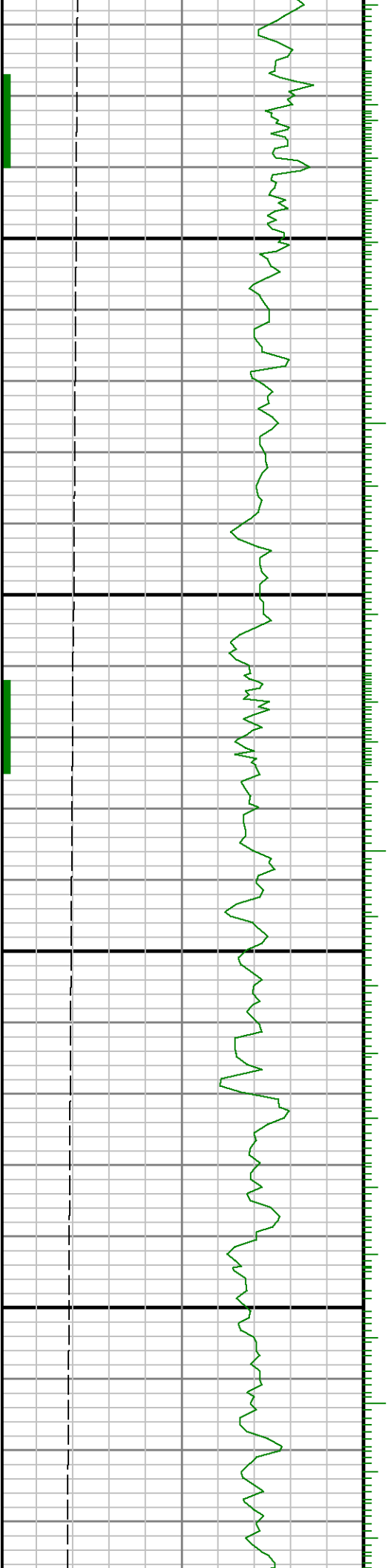
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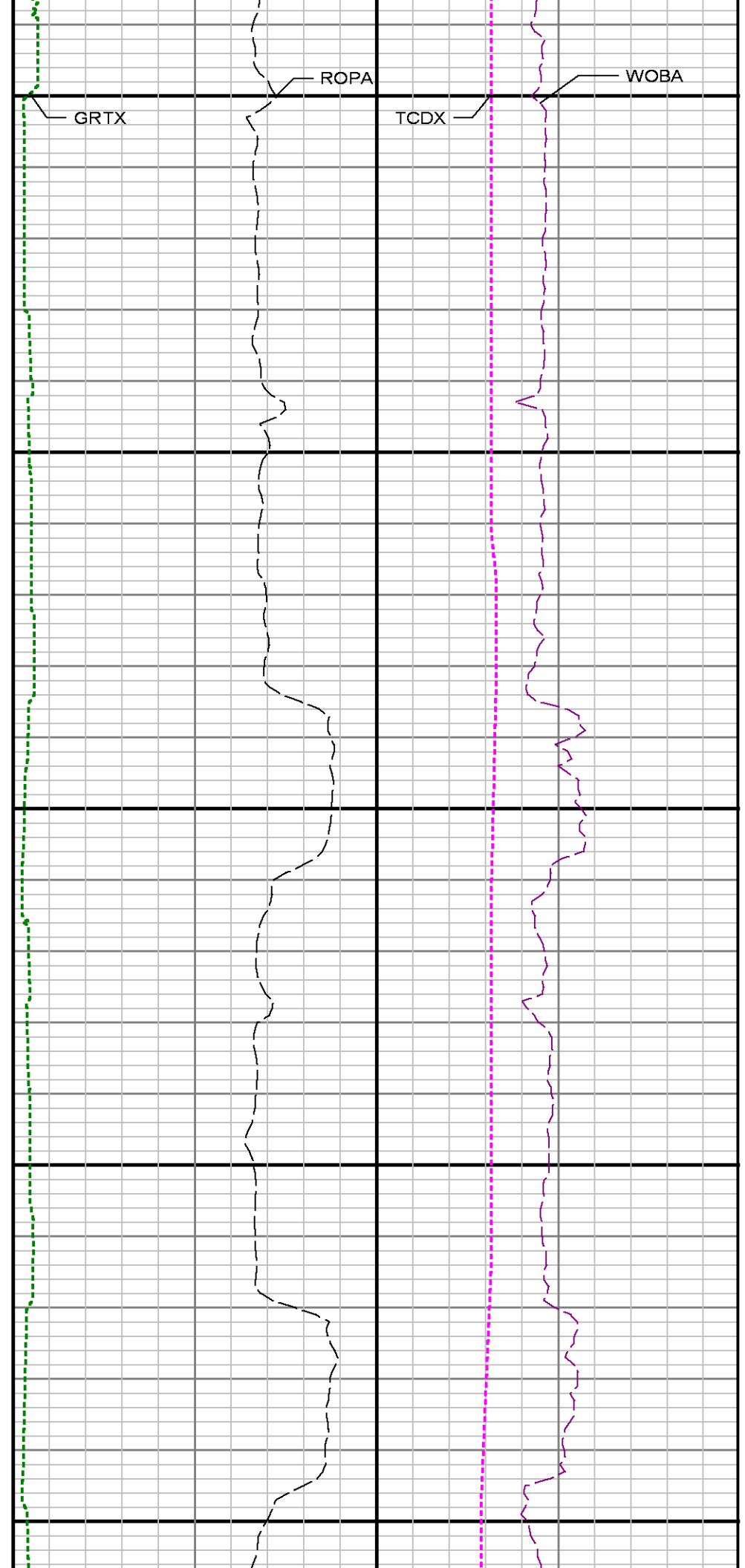
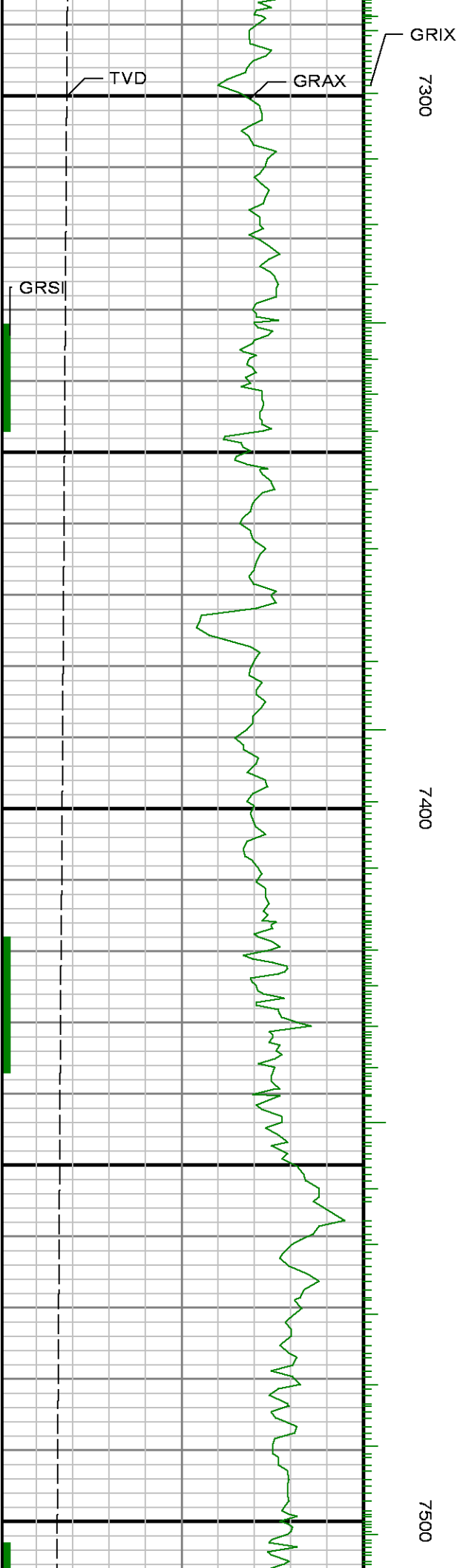


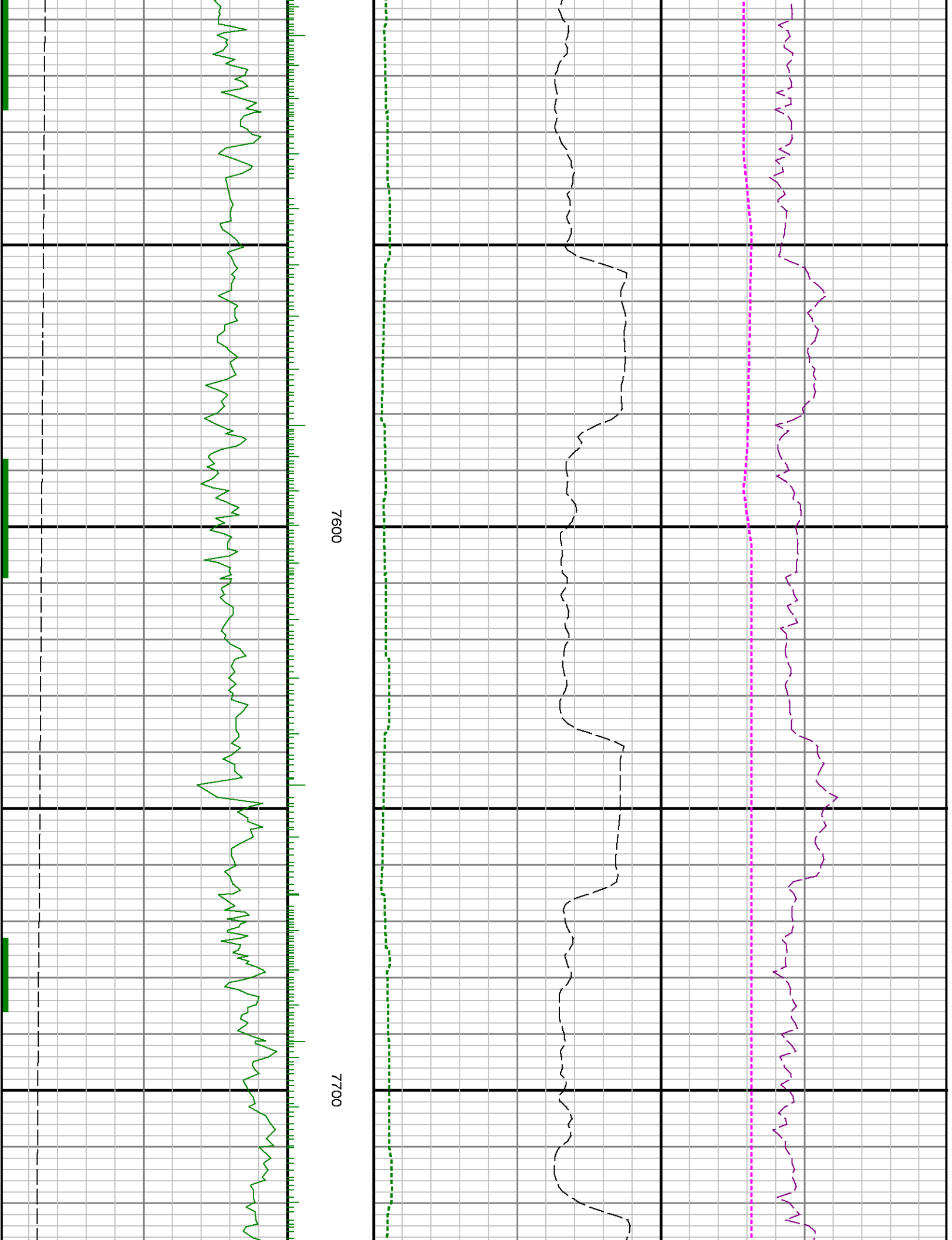


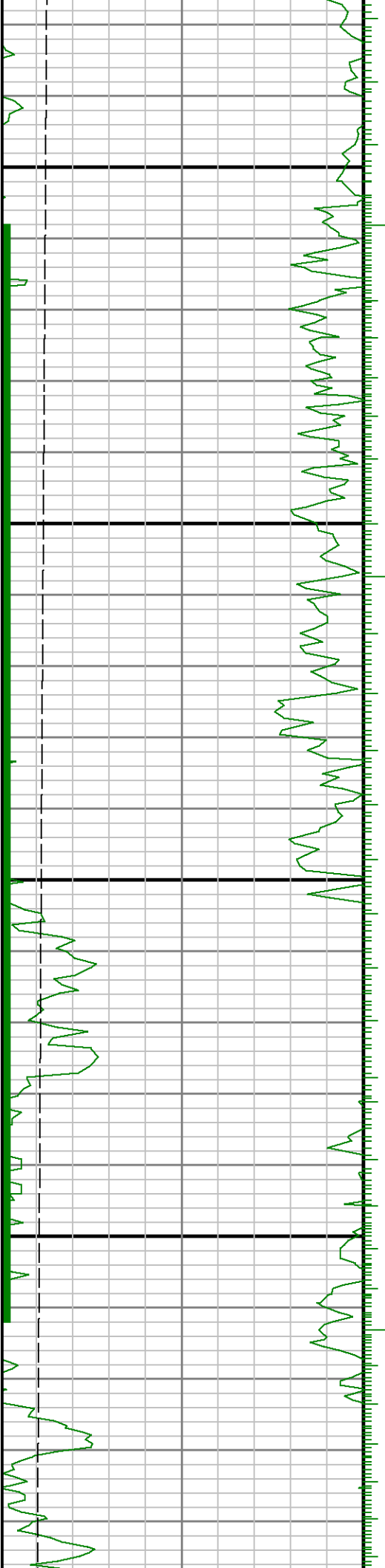
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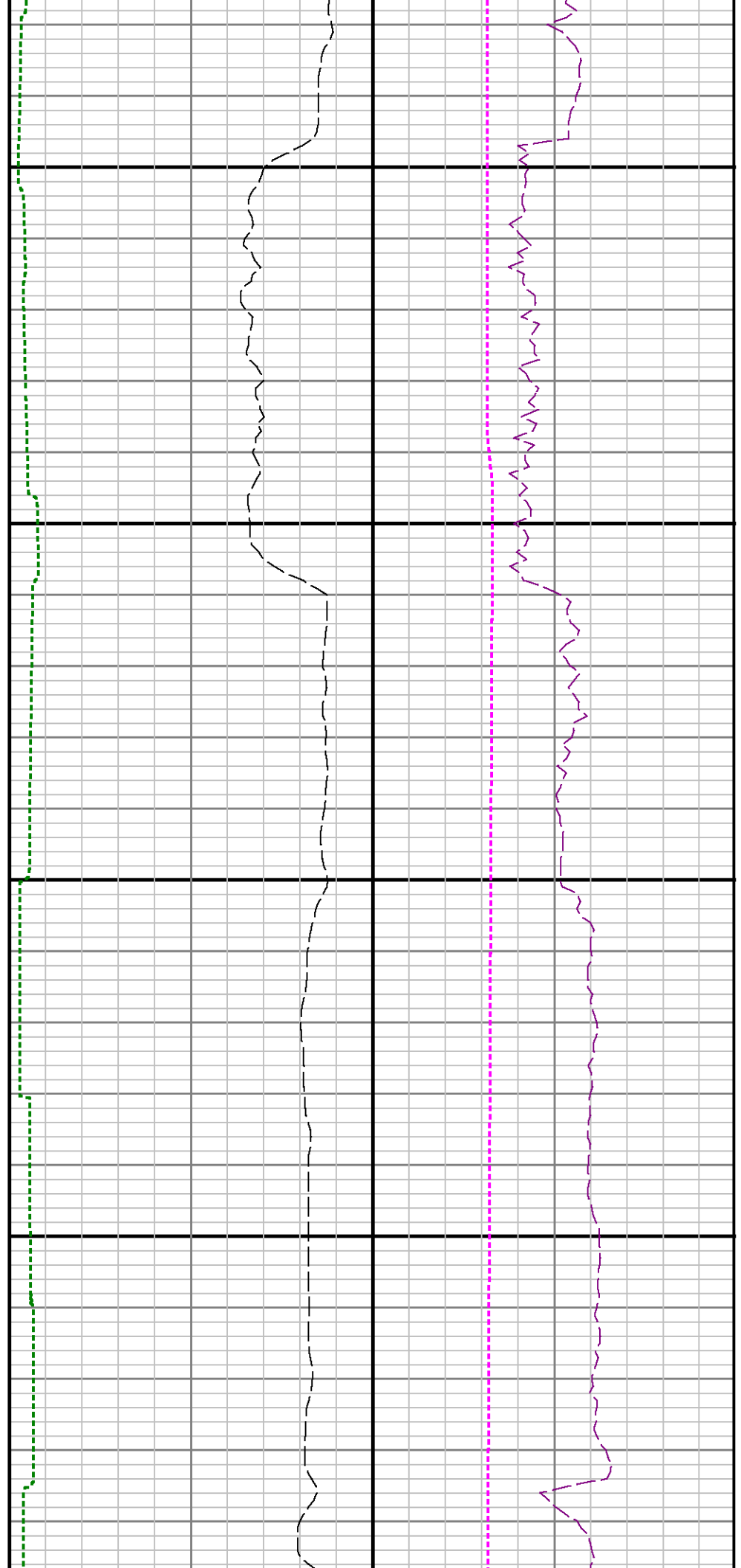


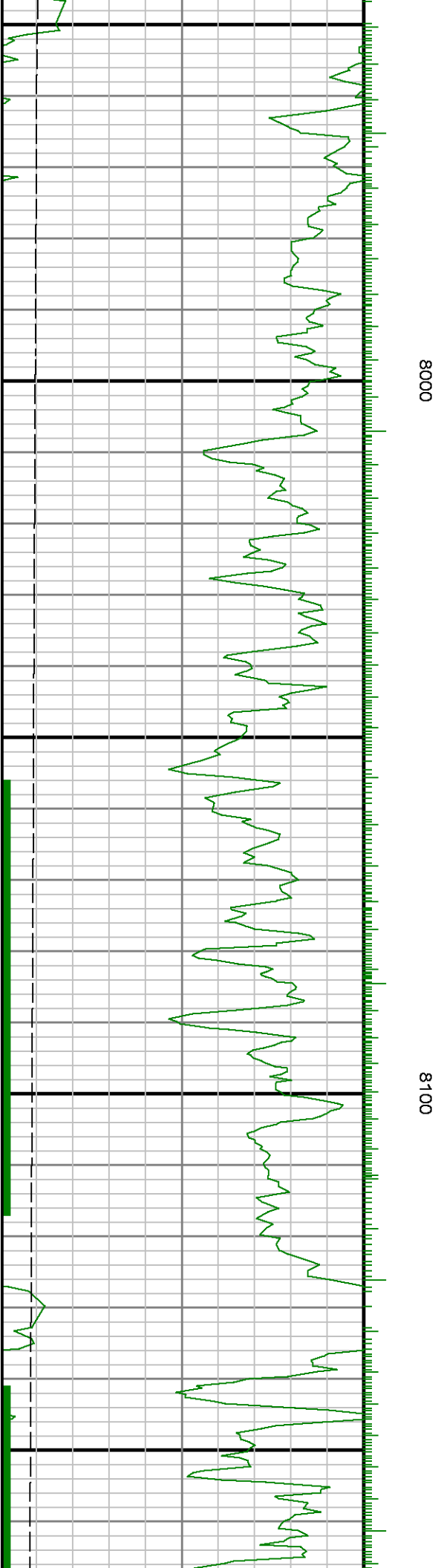


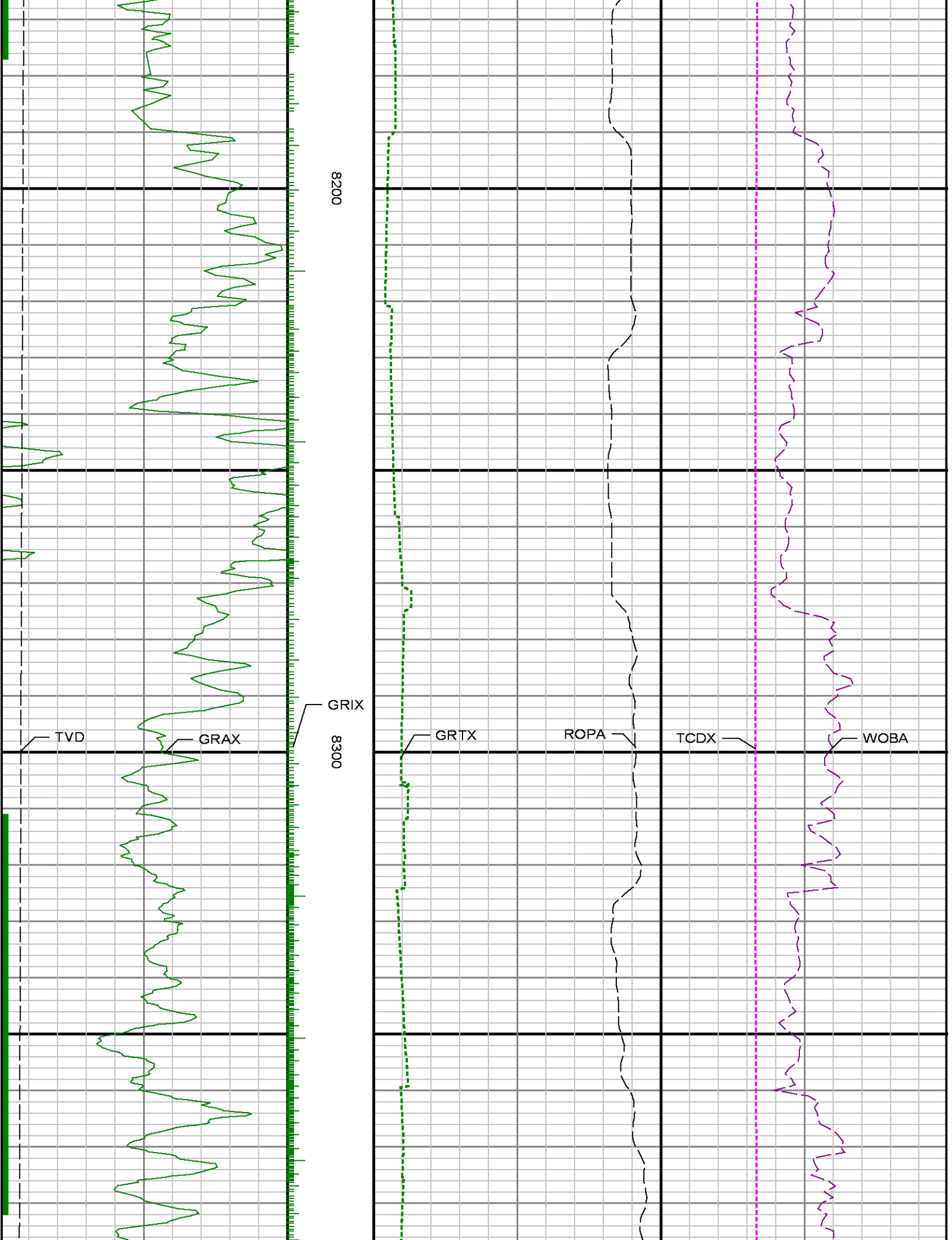


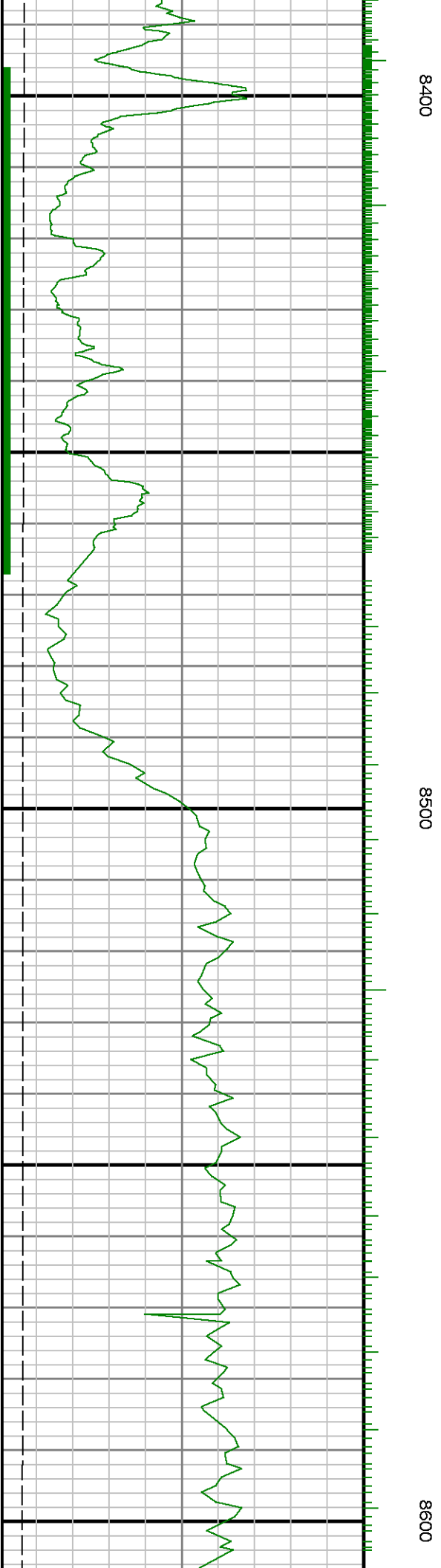
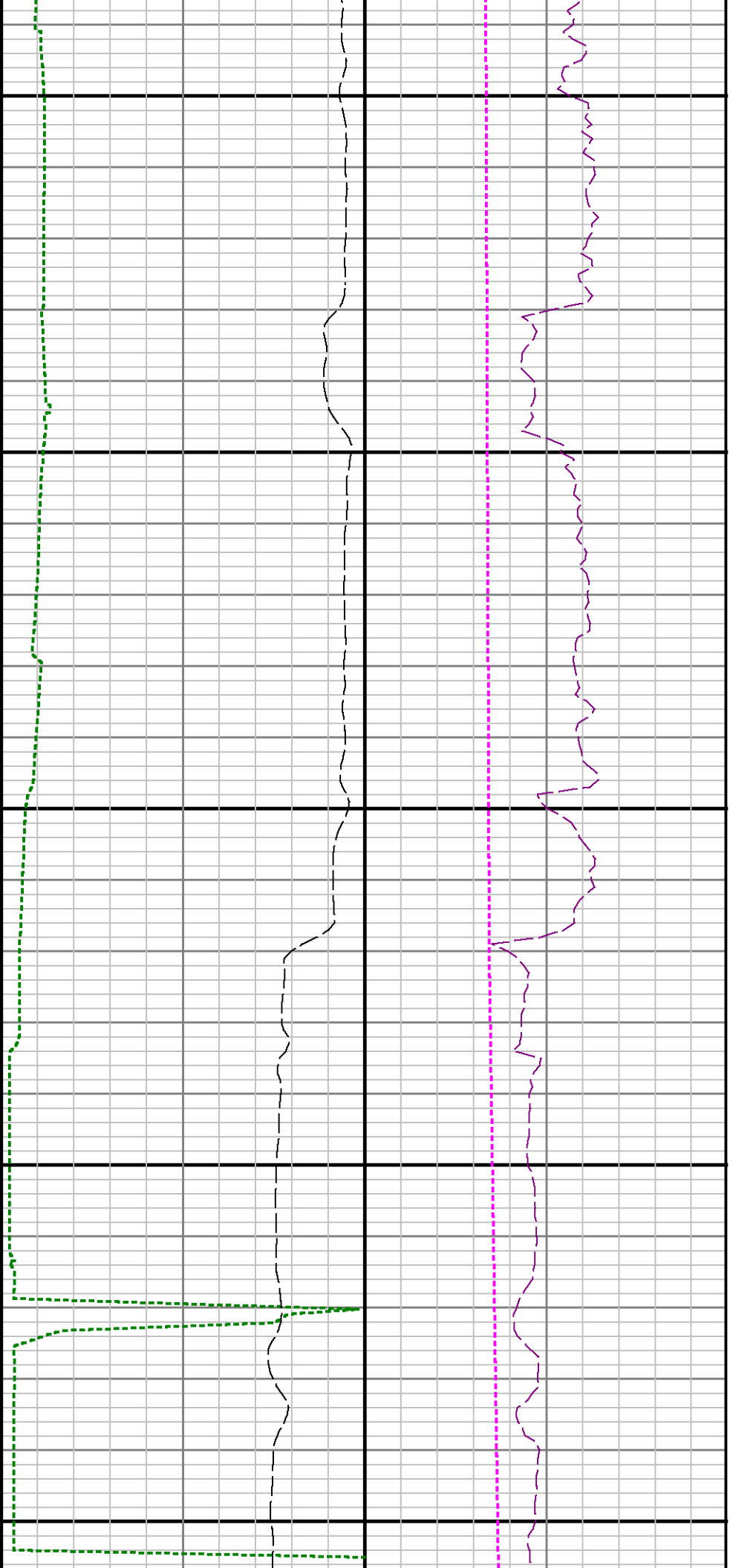
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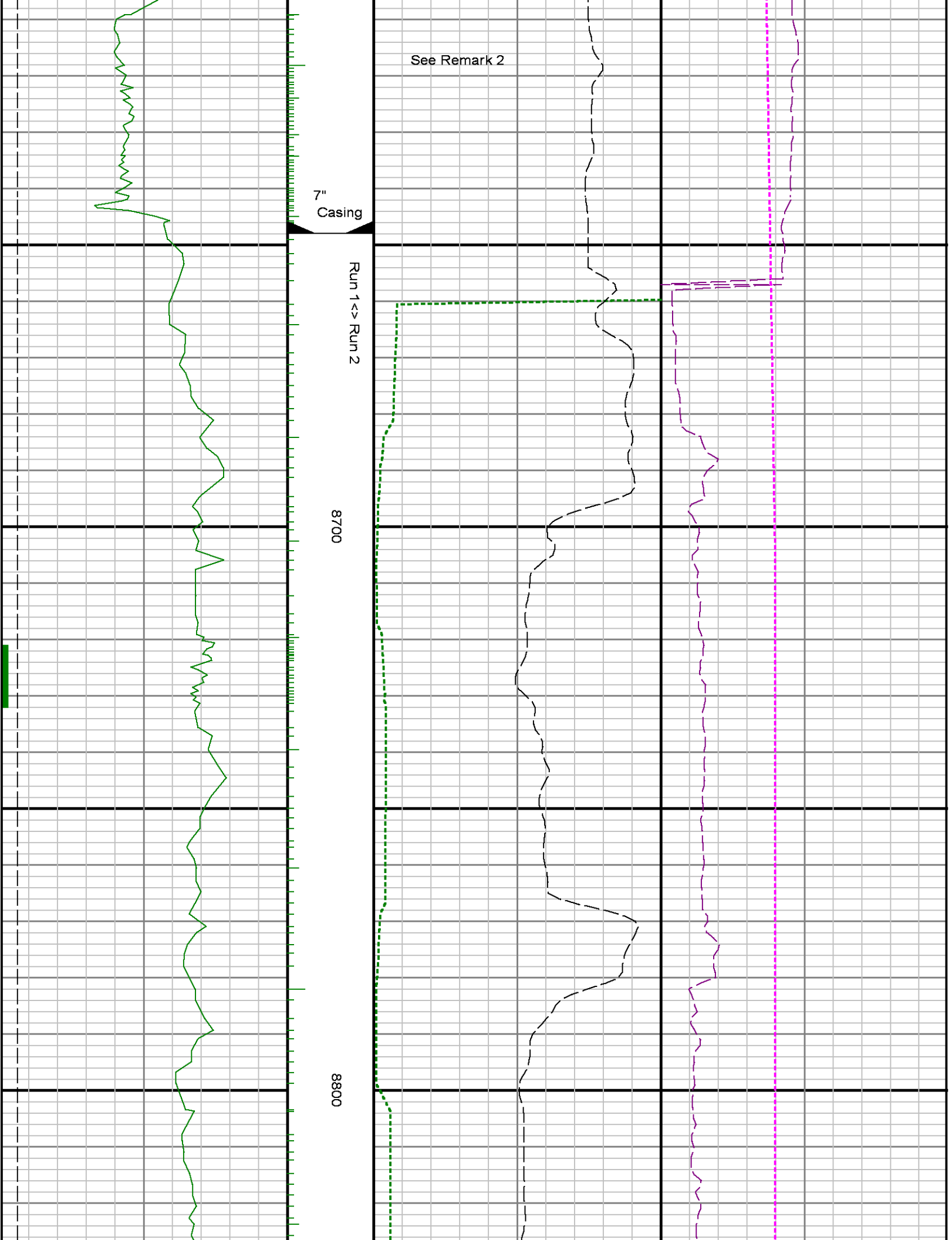
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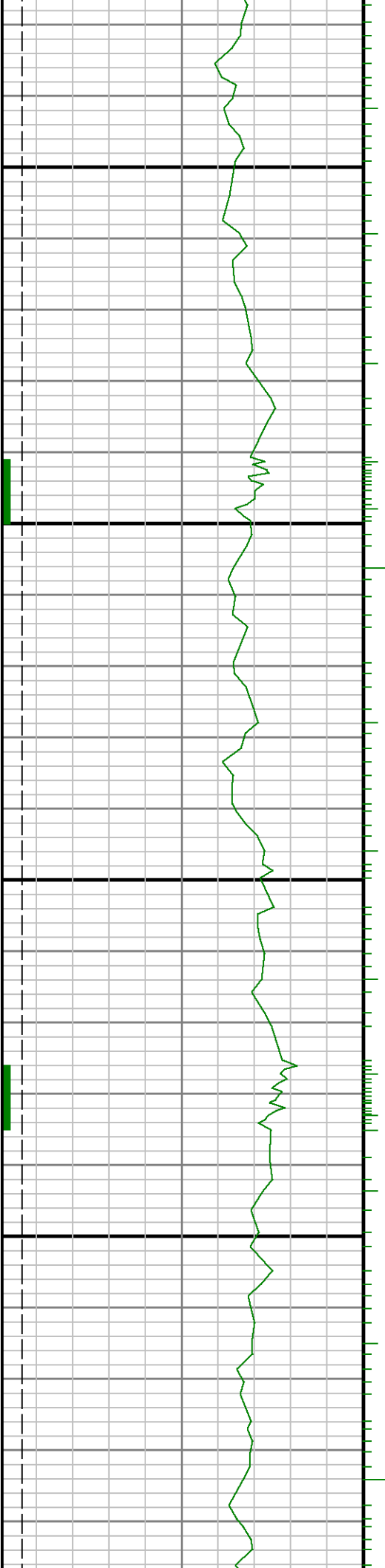
7"
Casing

Run 1<> Run 2

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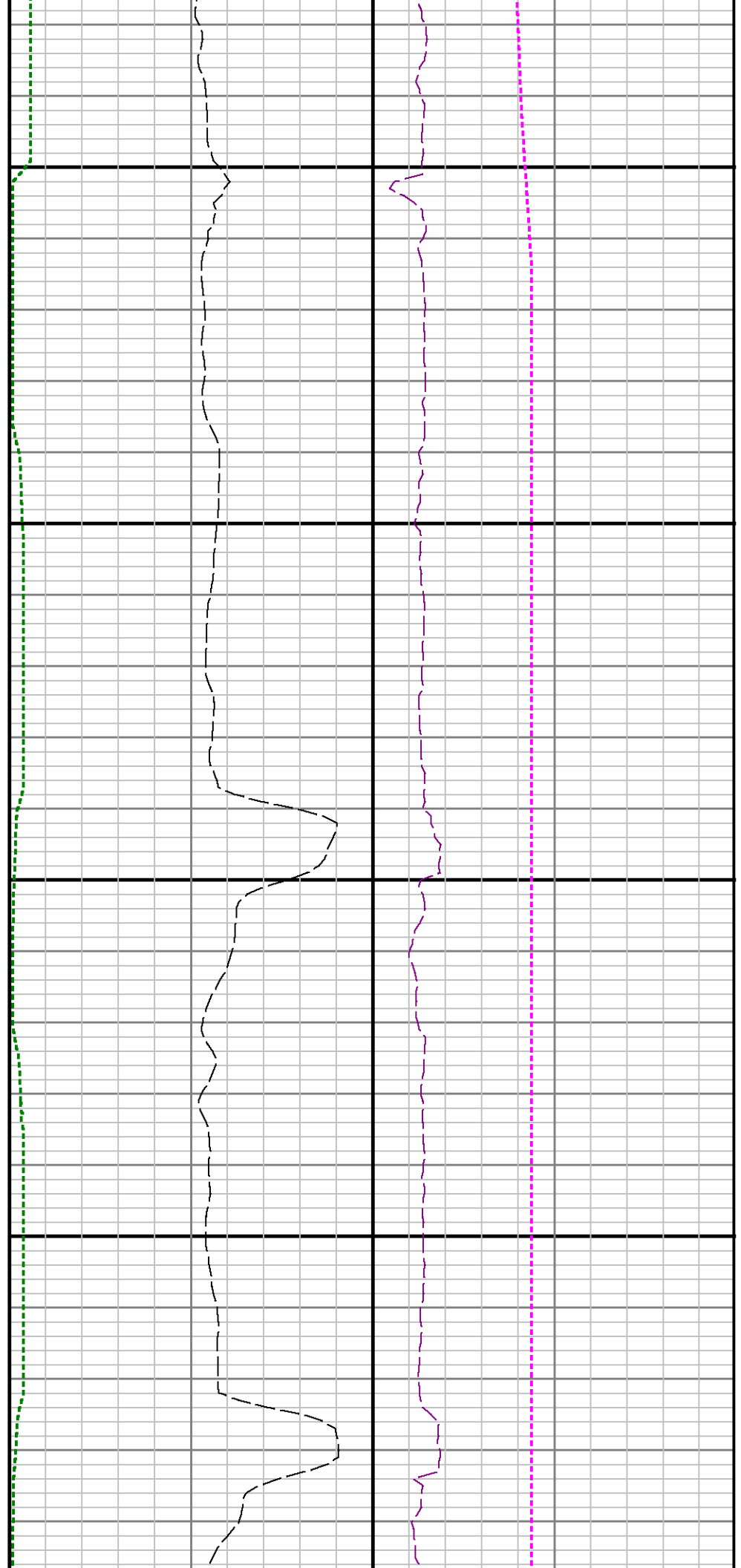
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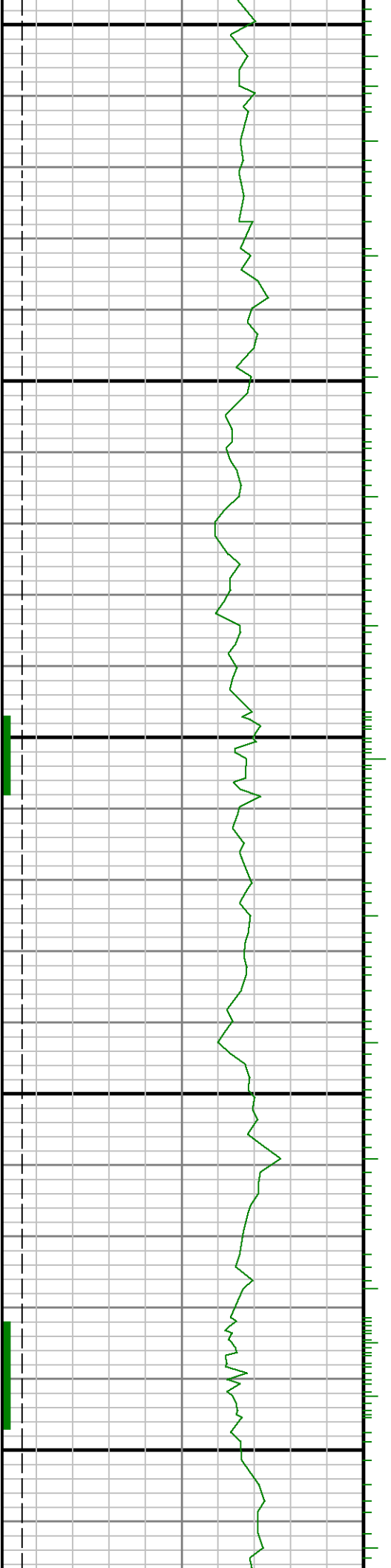
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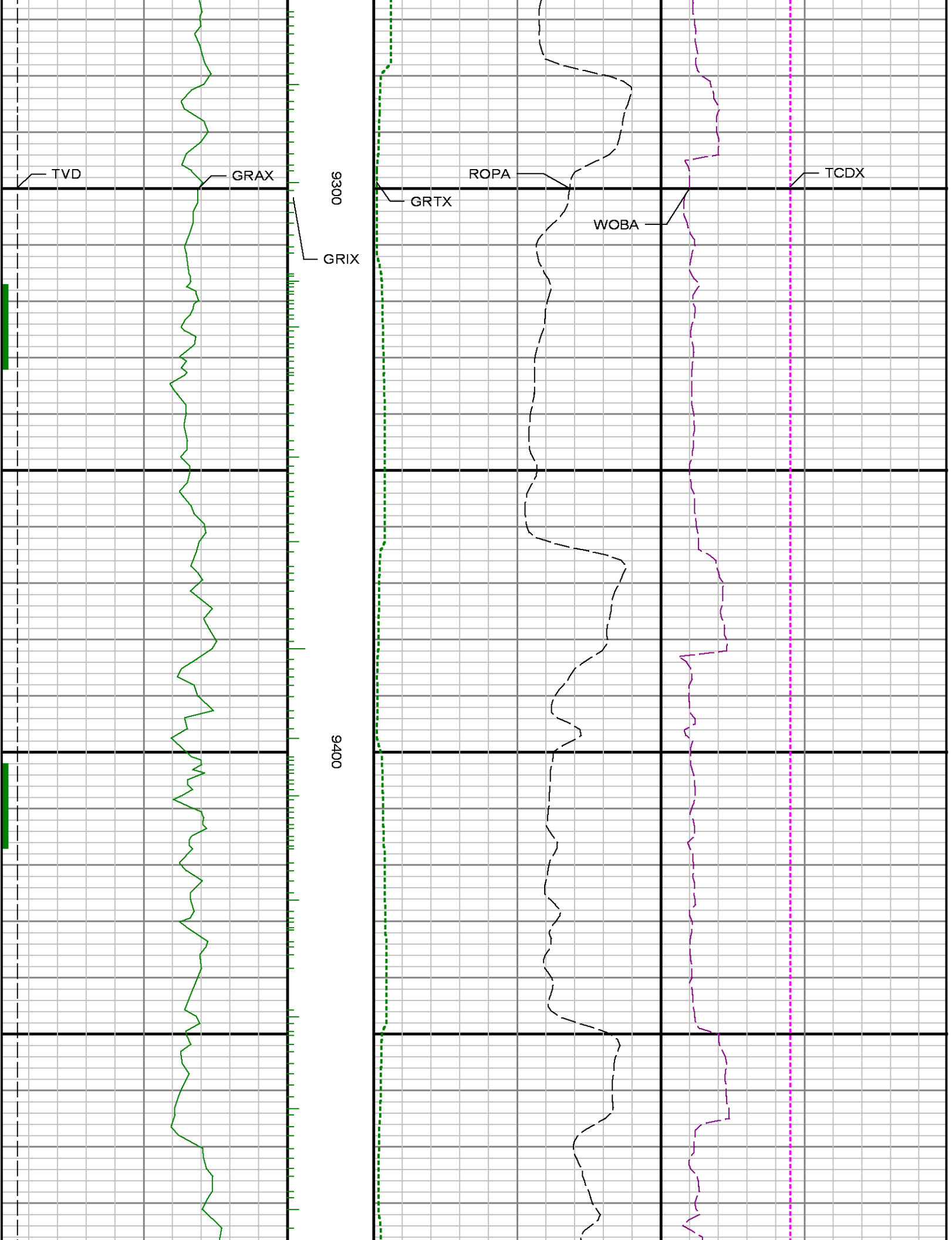


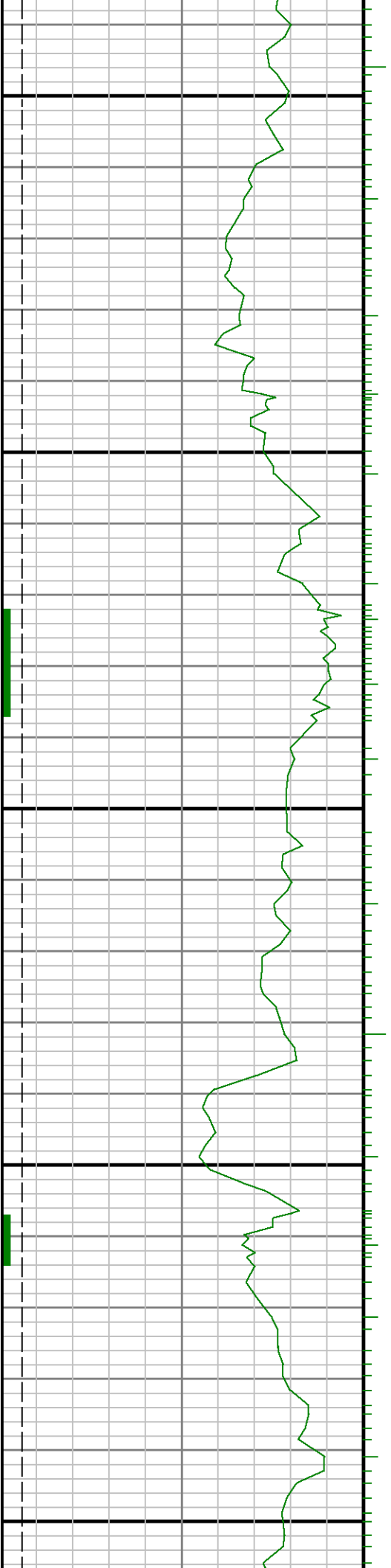


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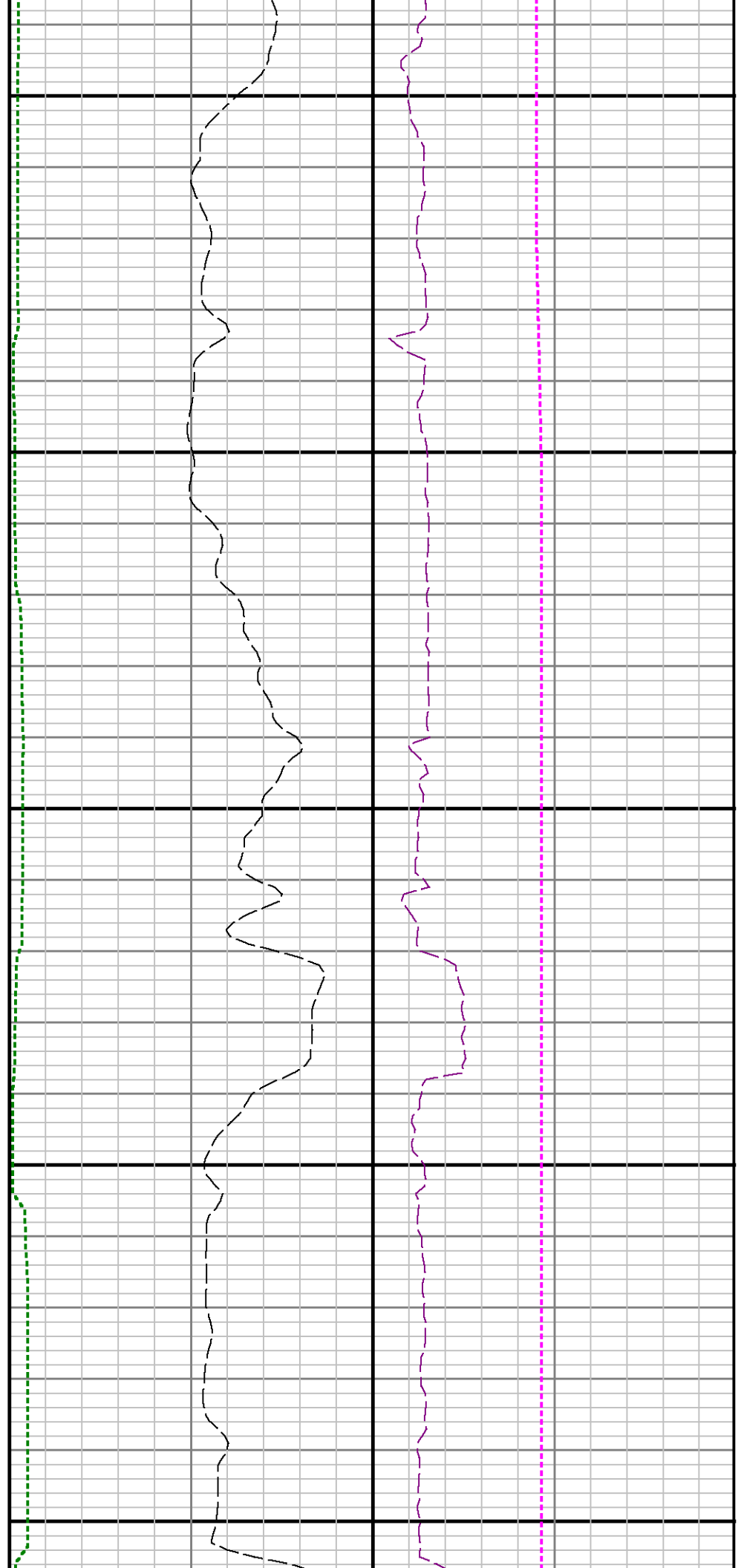


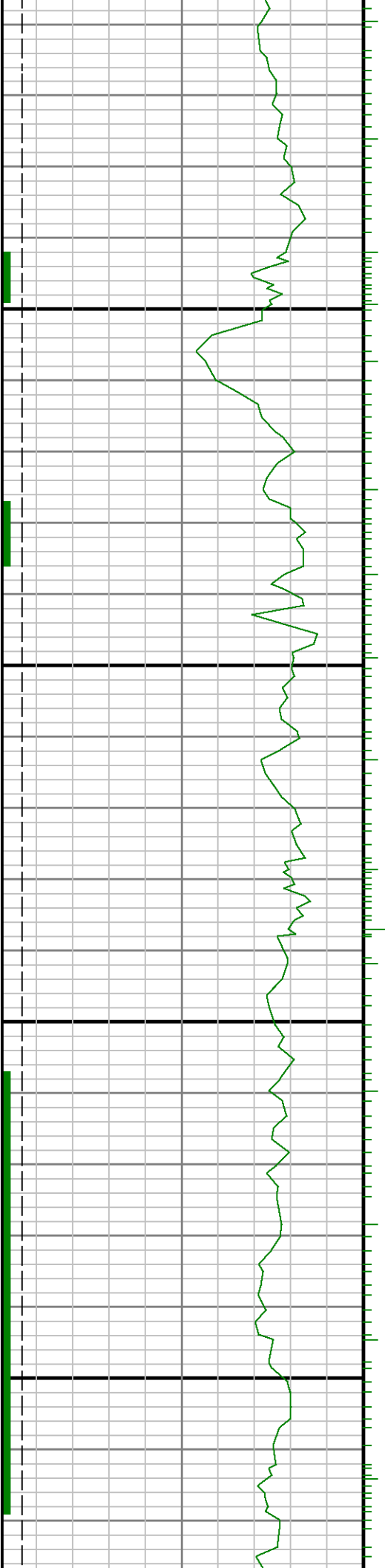


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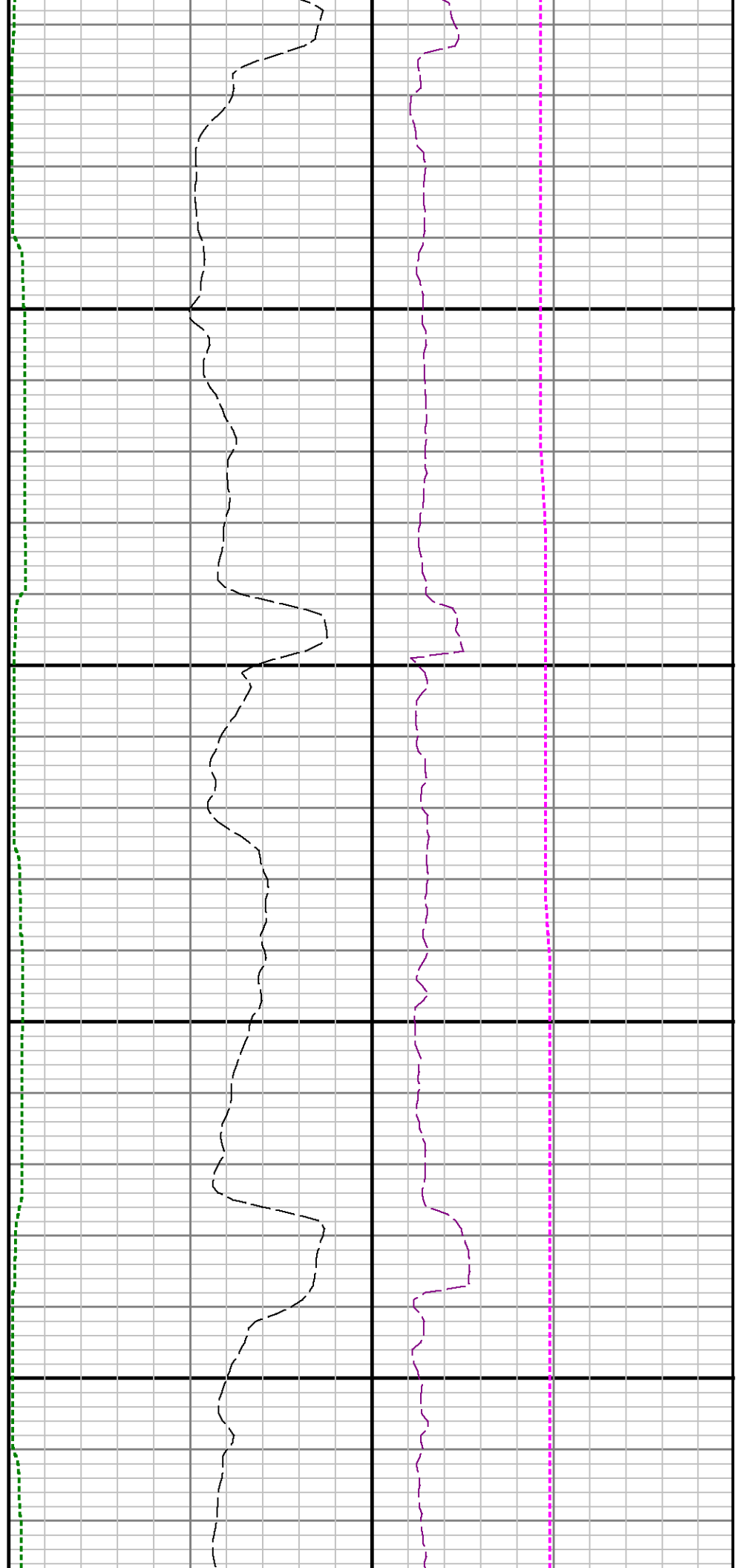
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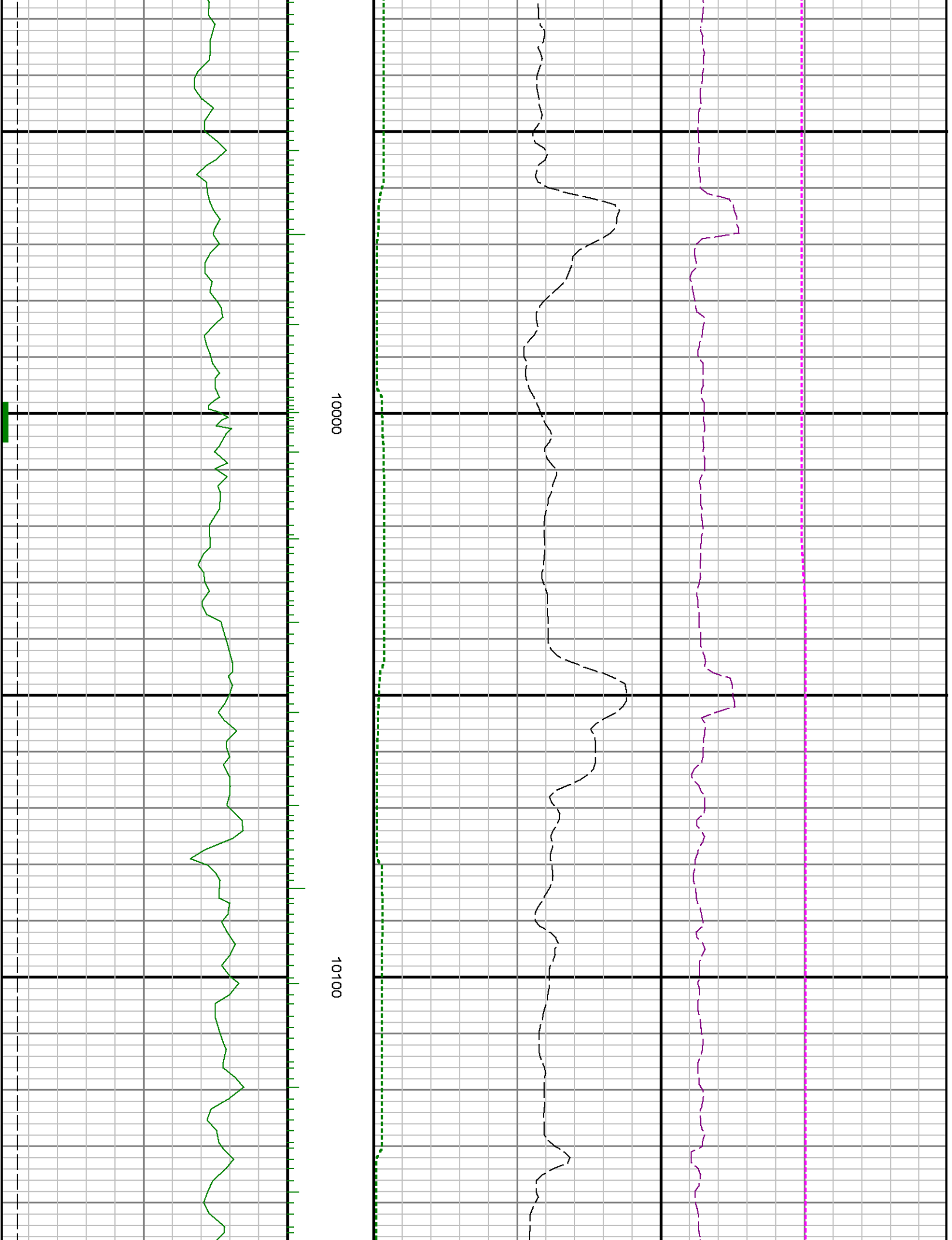


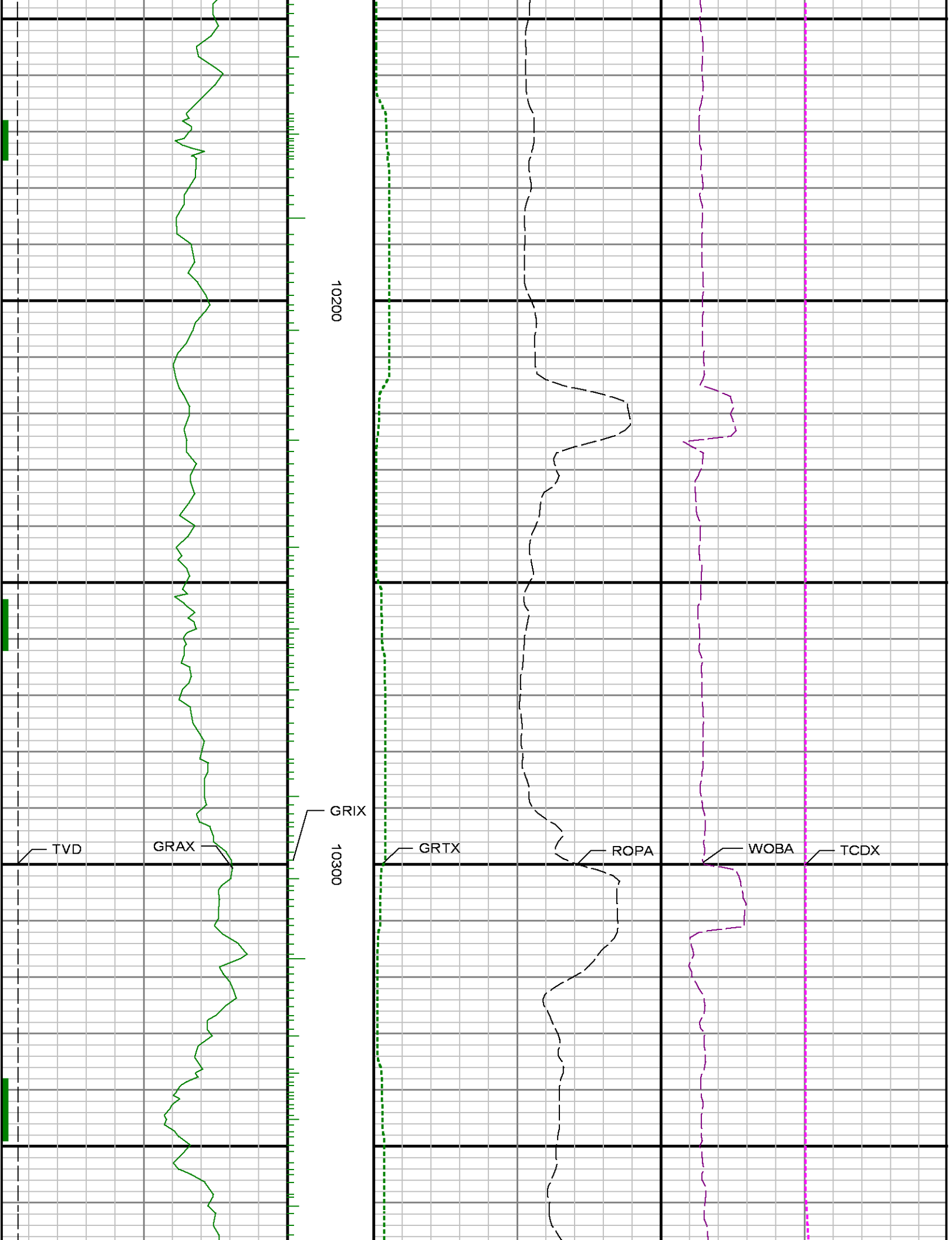


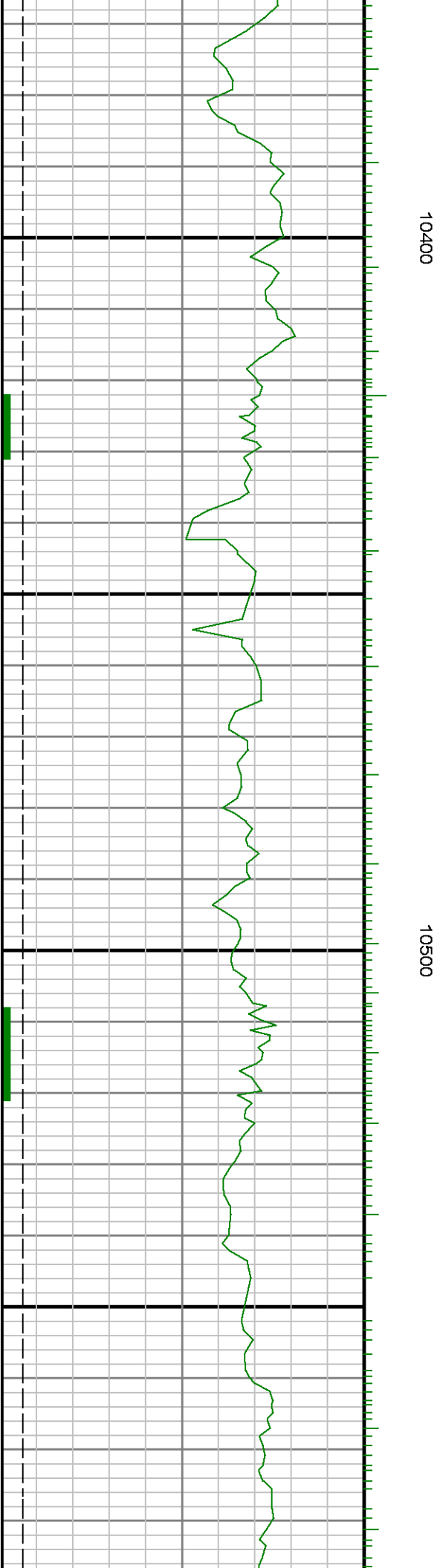
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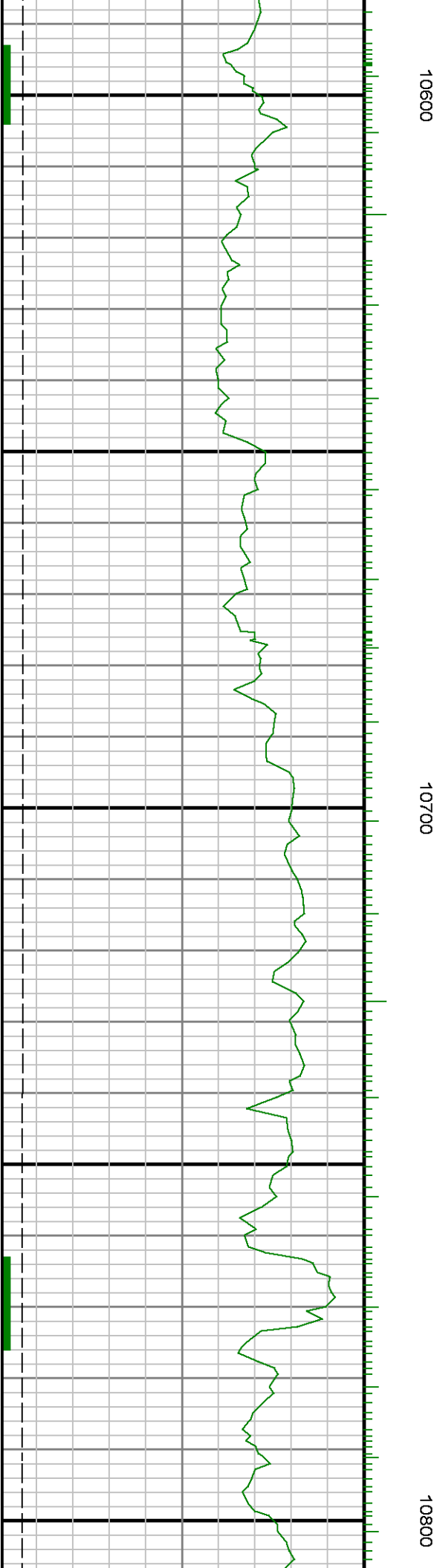
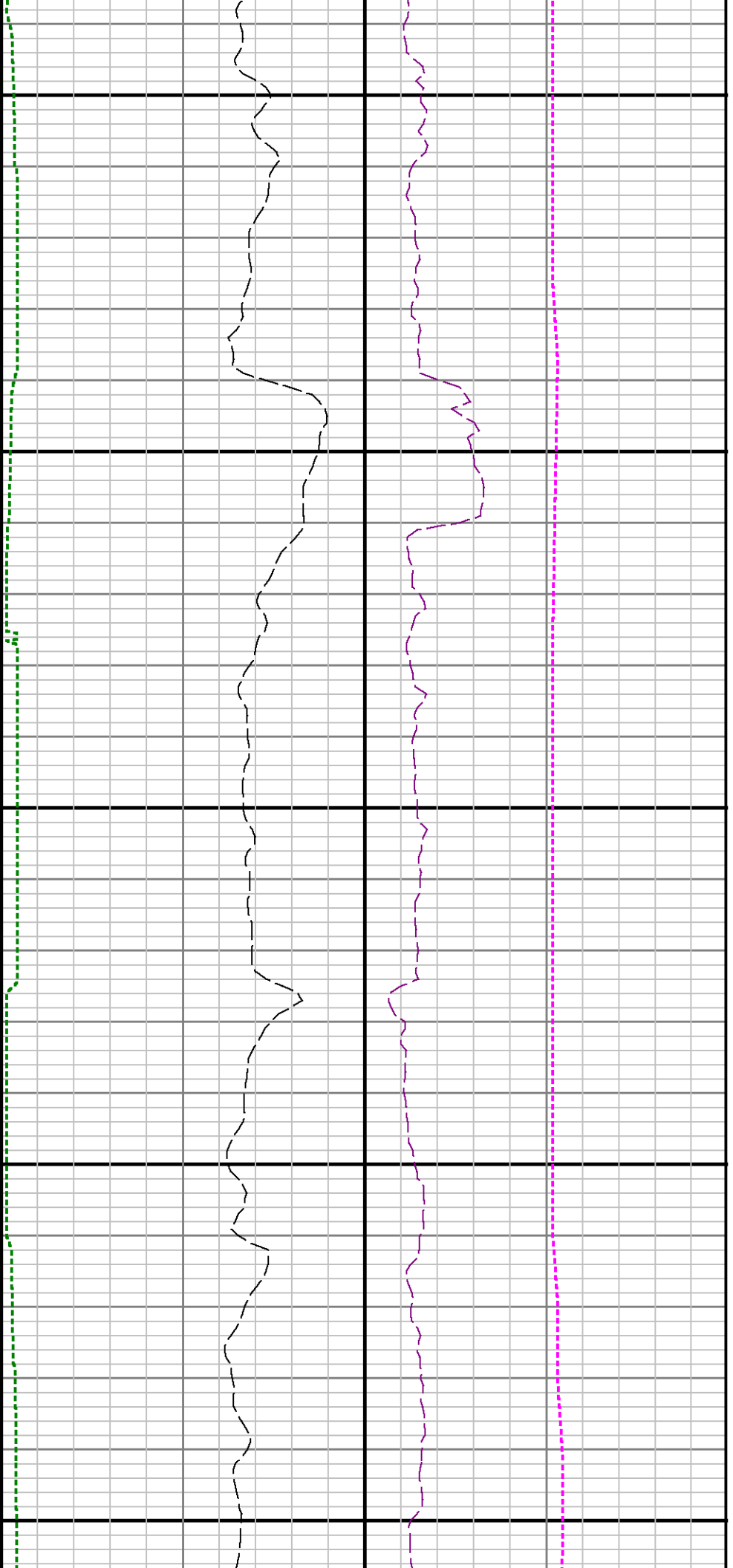
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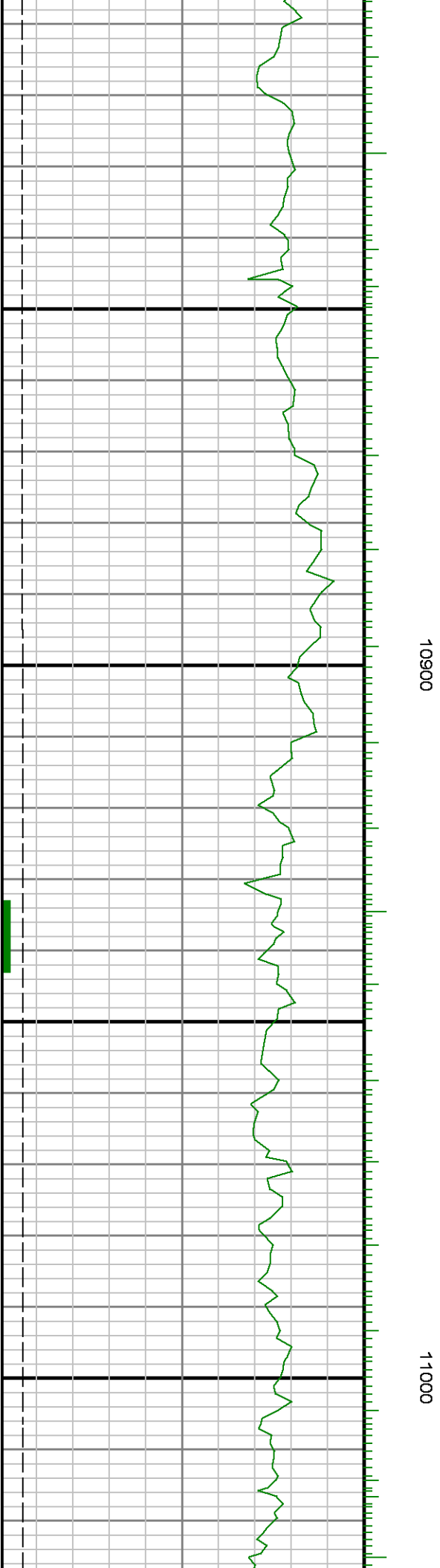
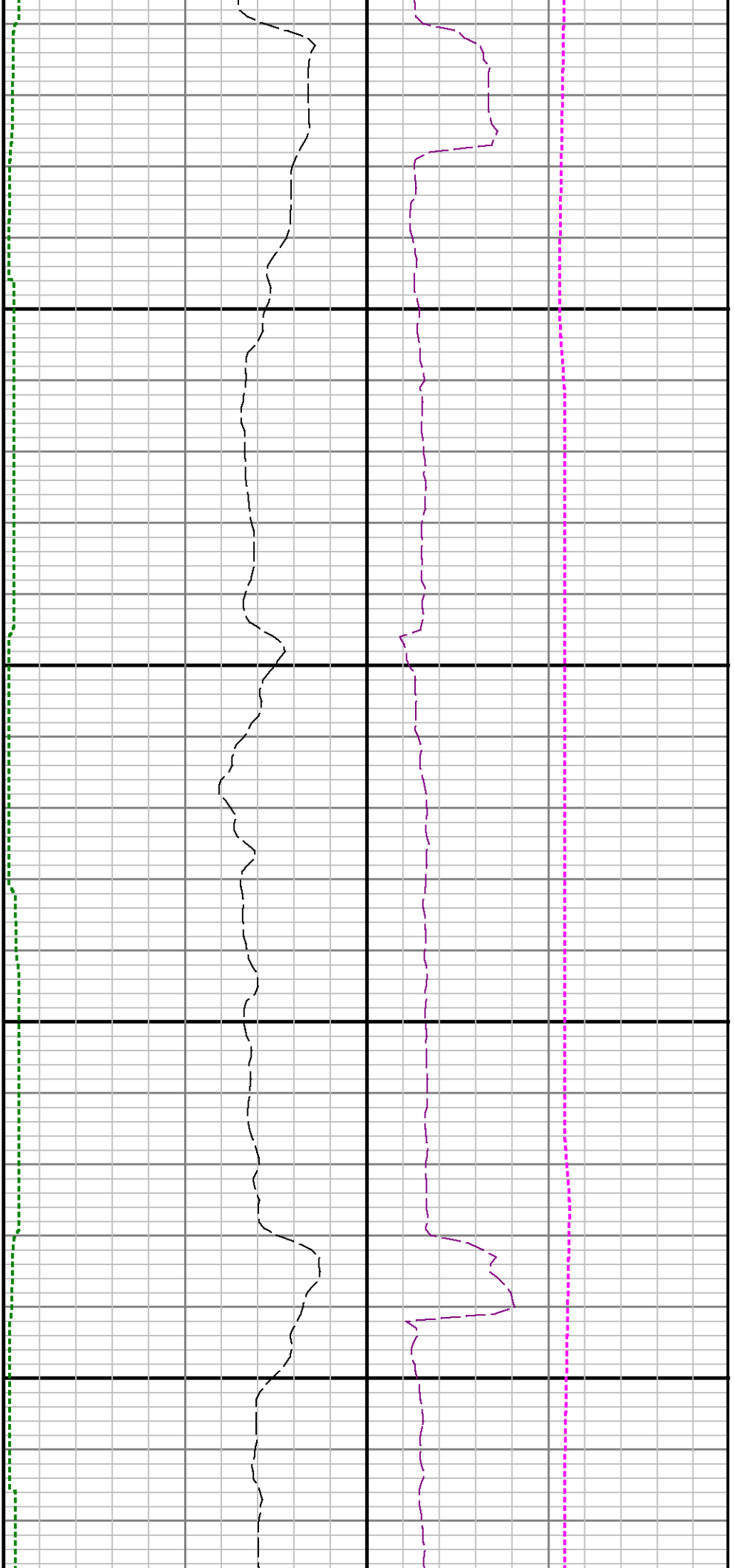








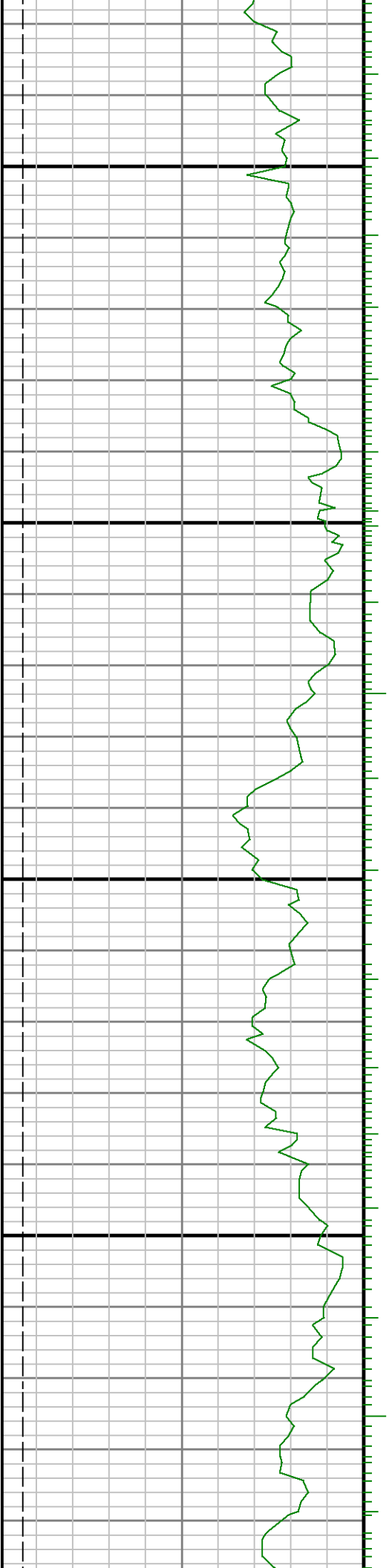


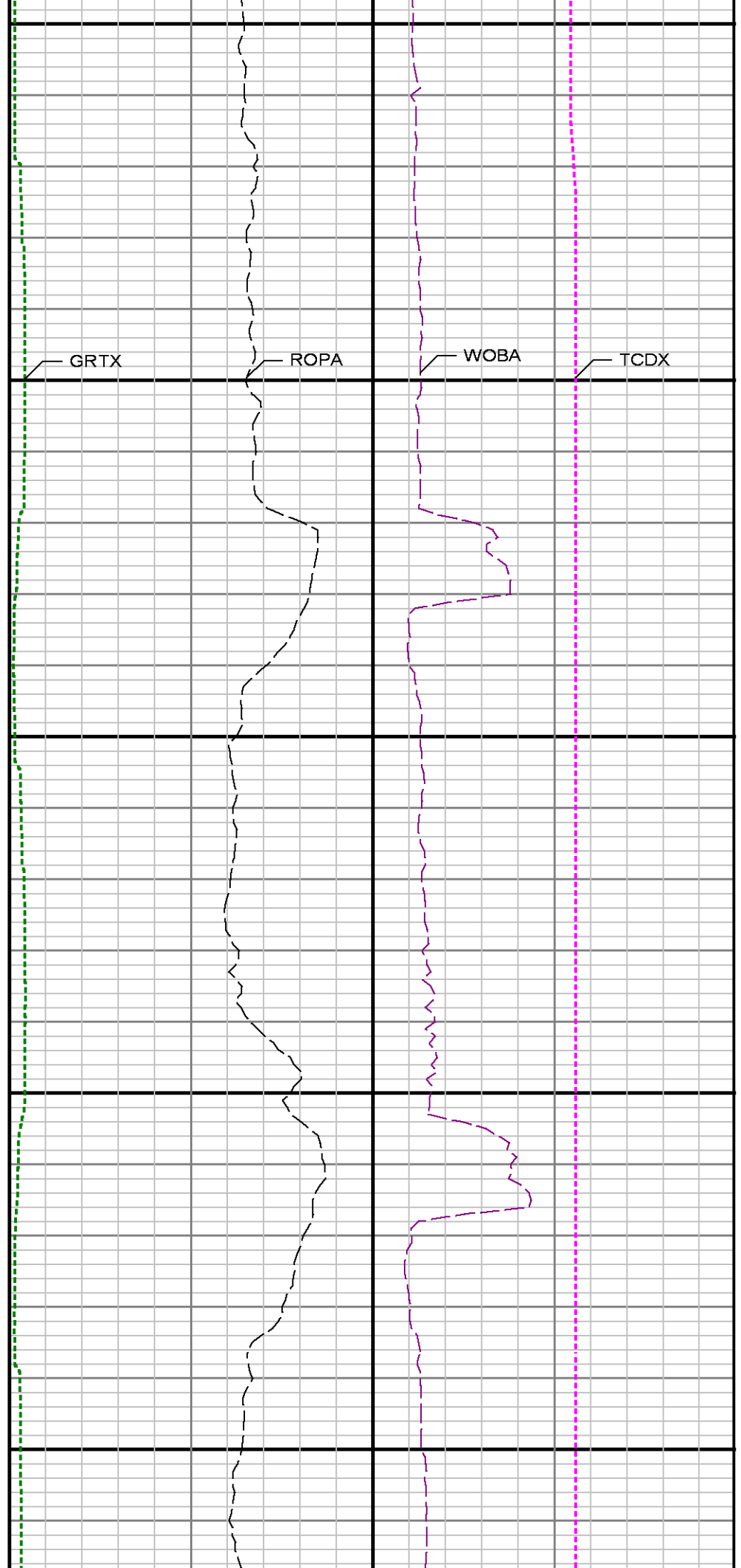
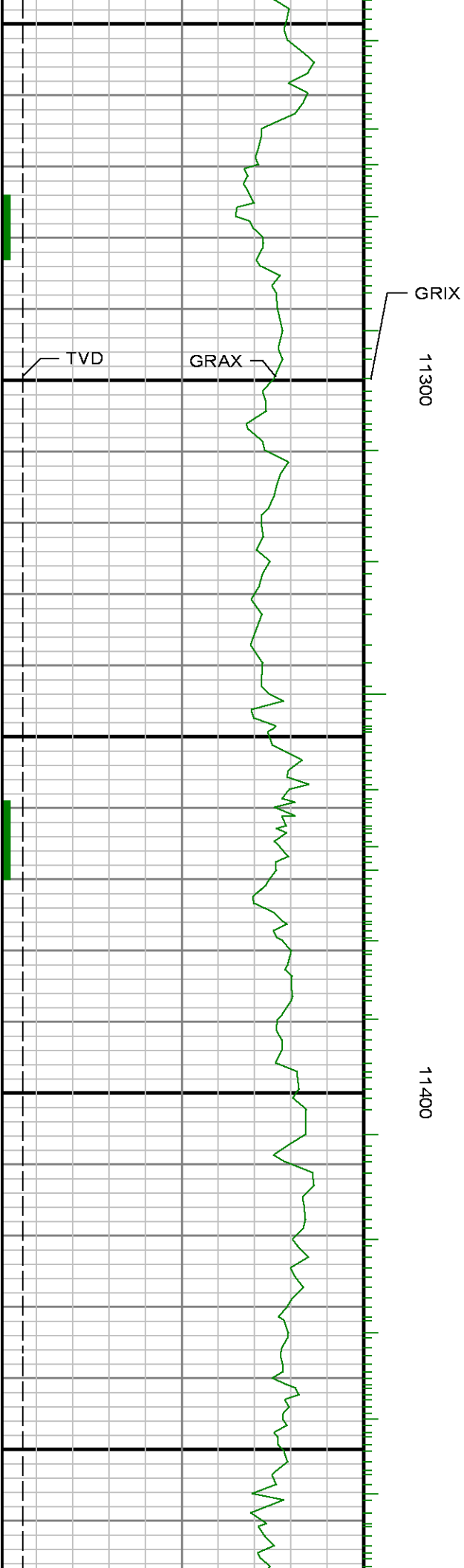


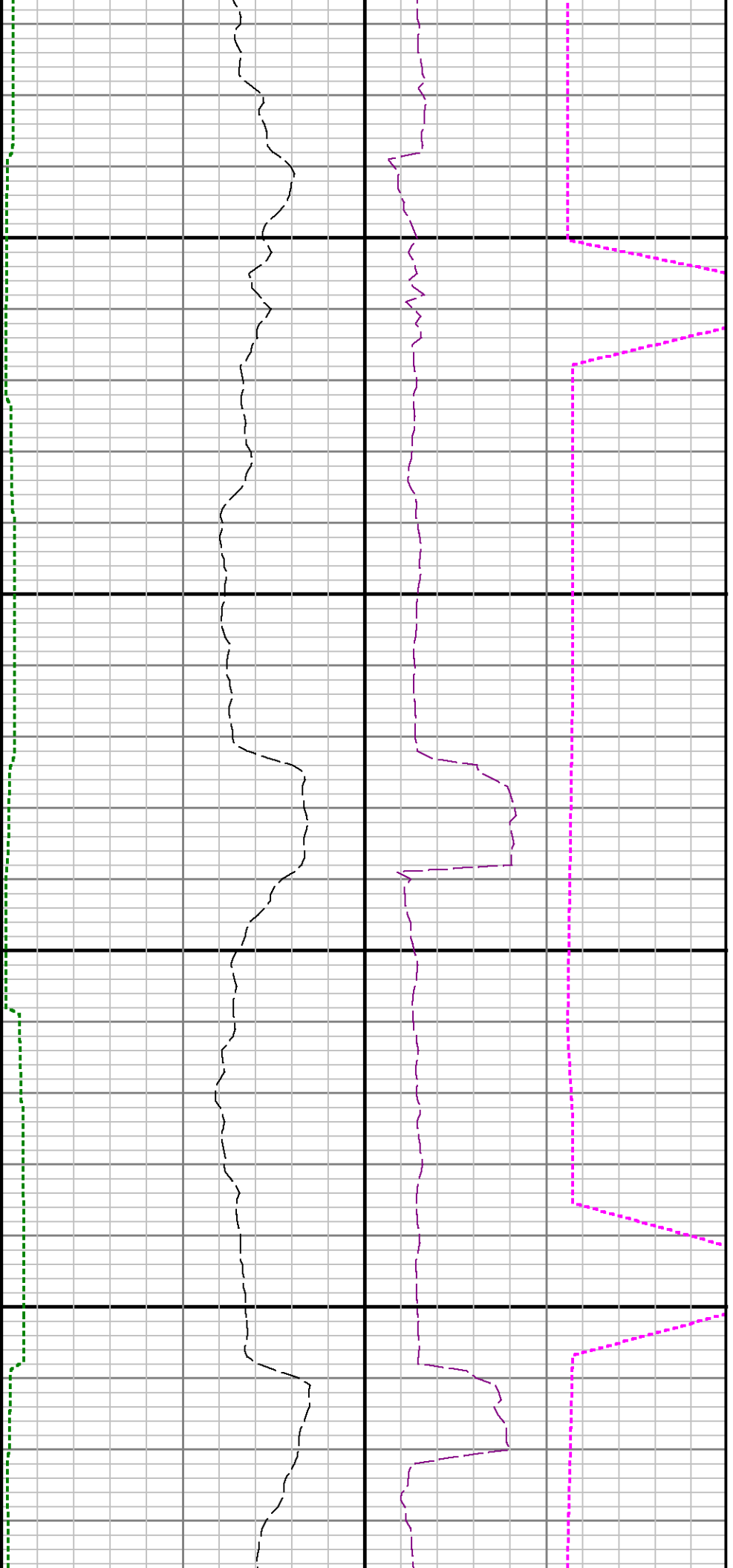


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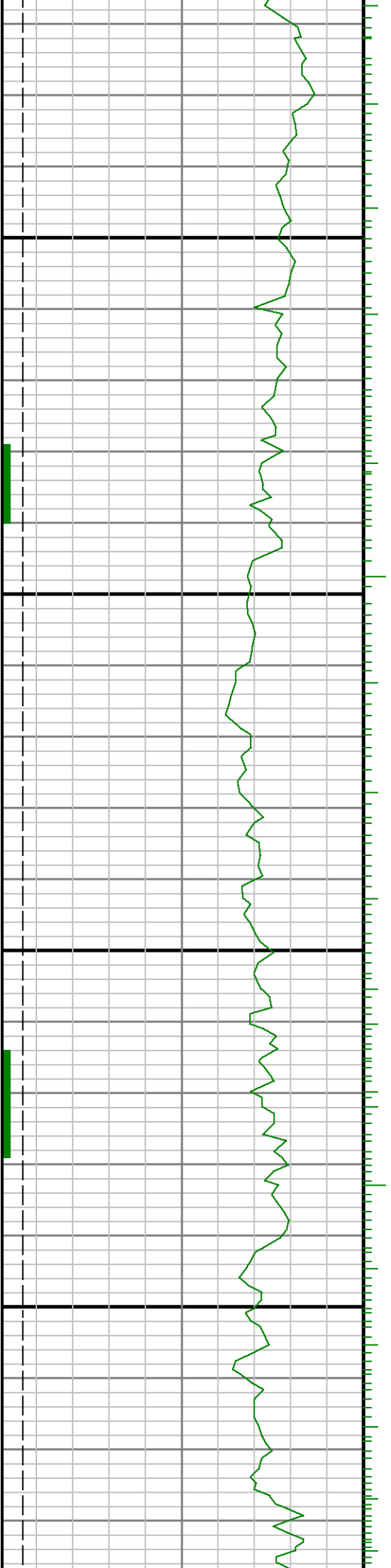


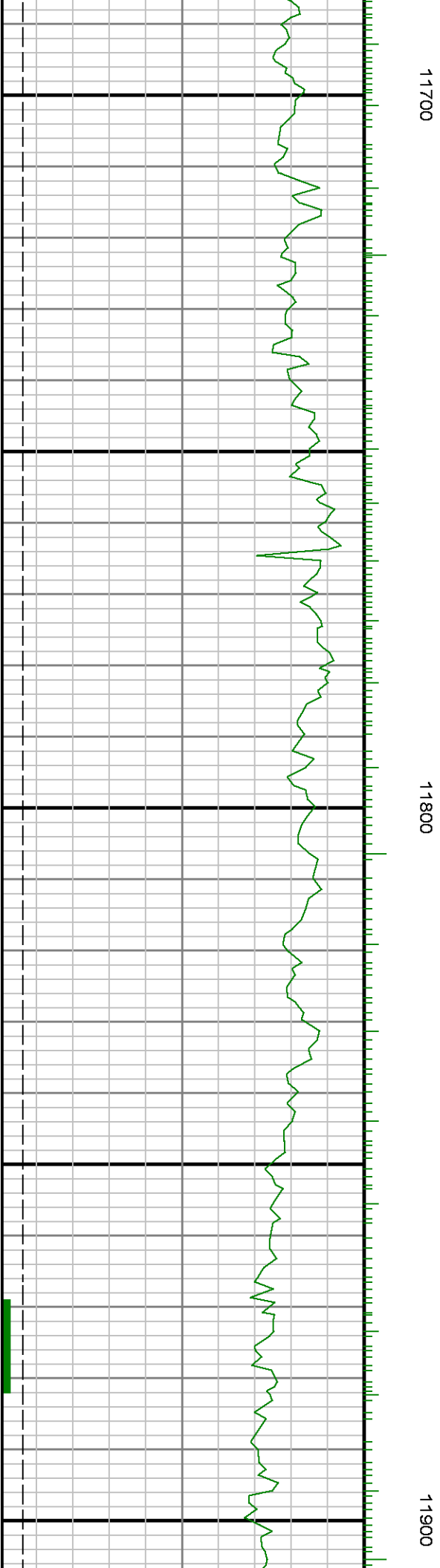
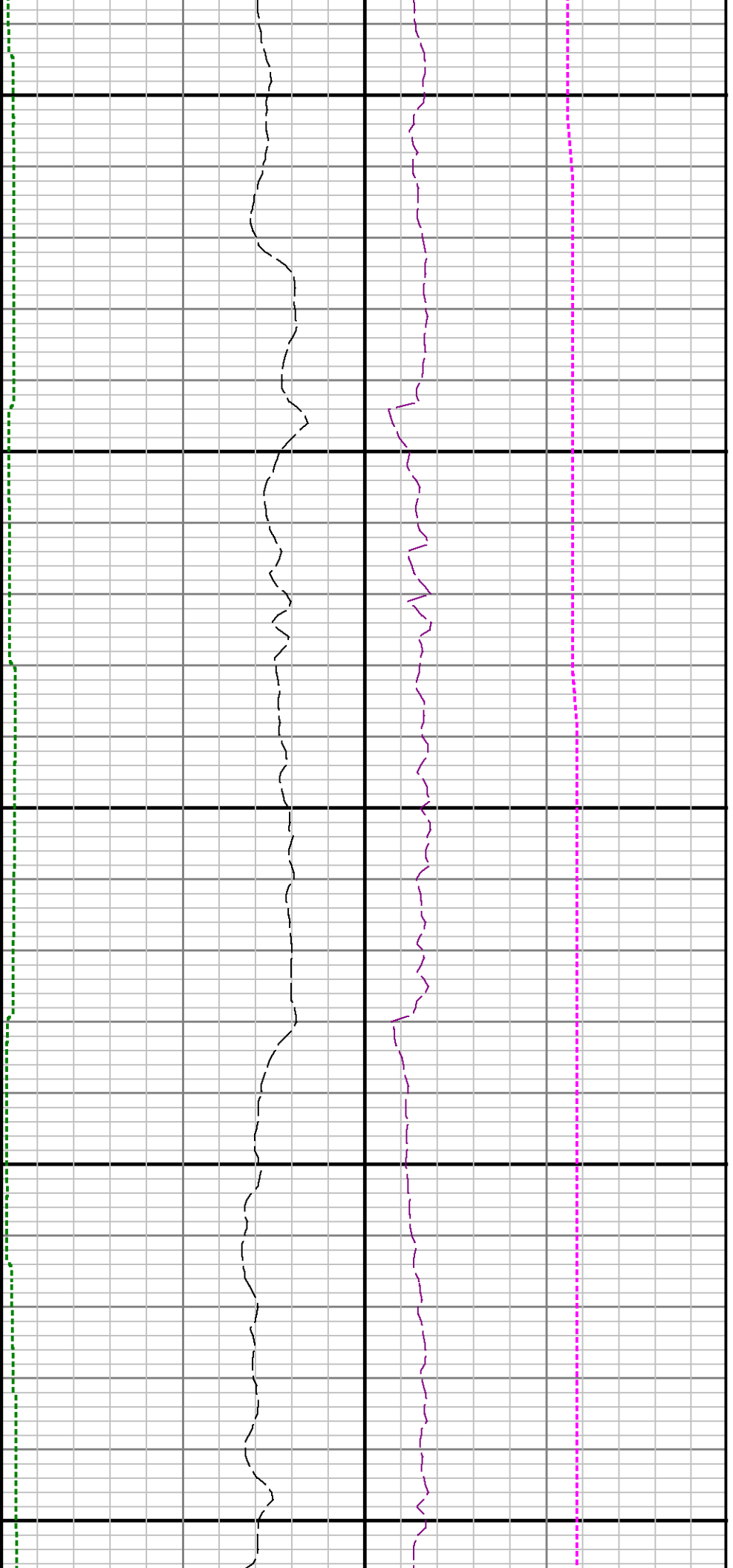


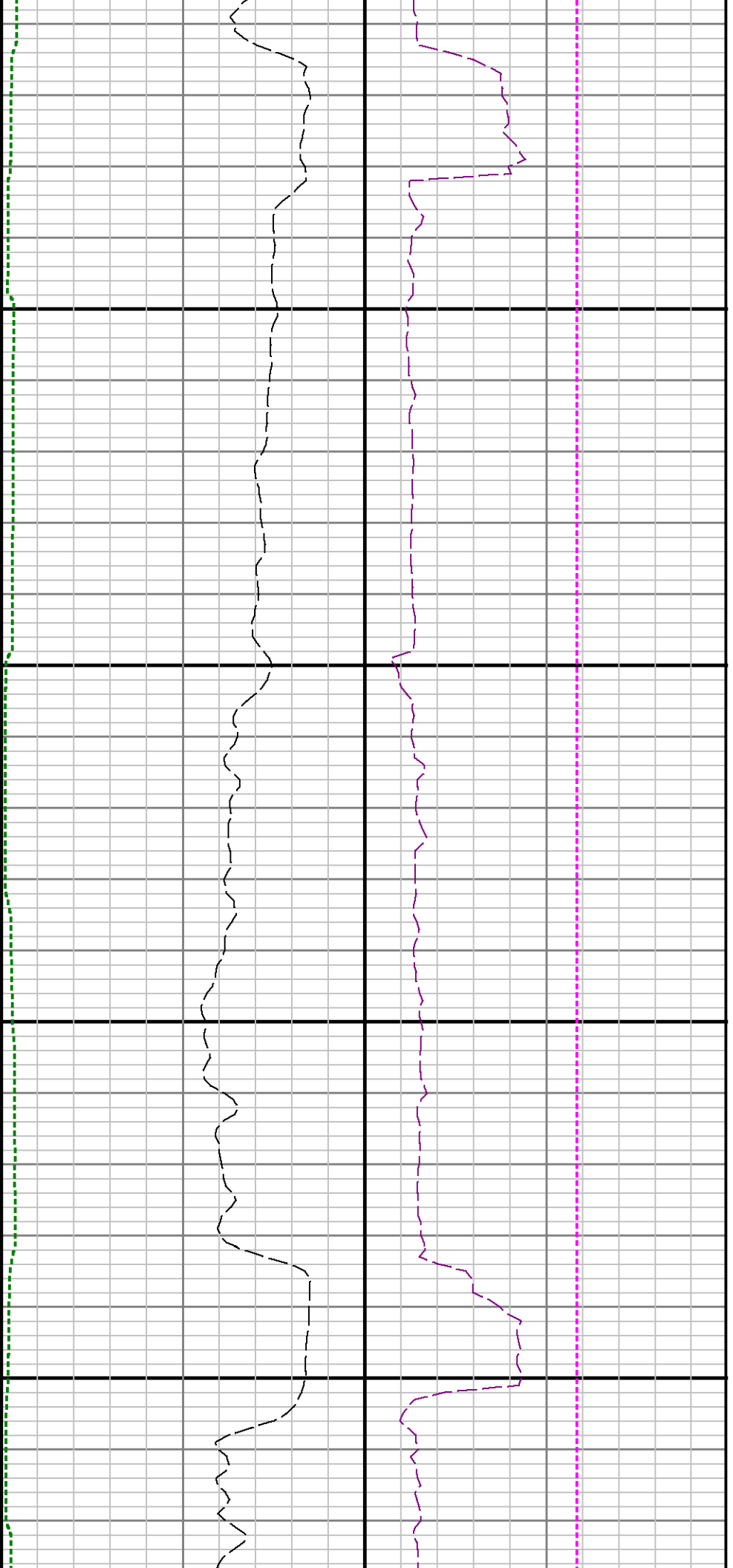


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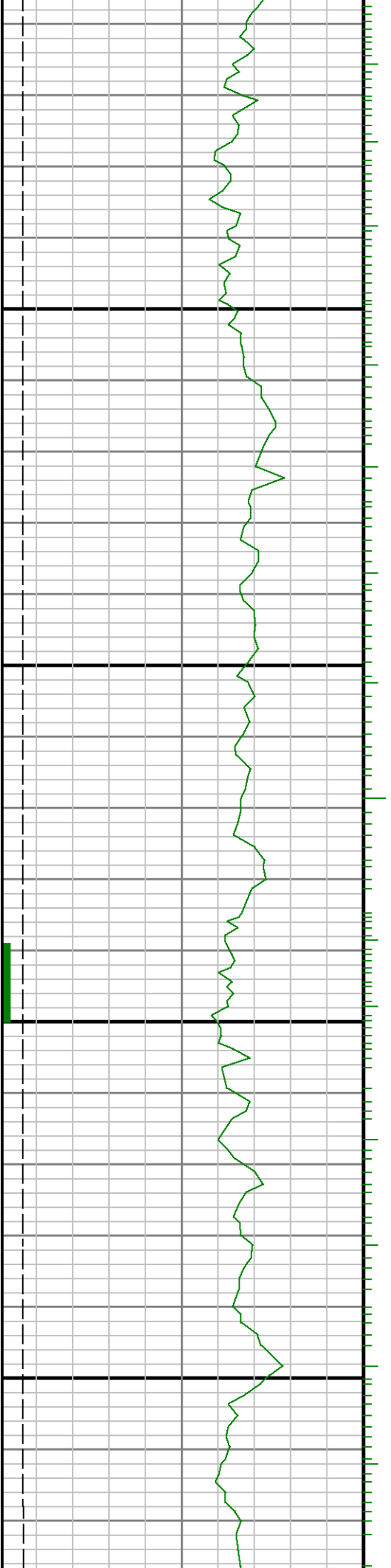


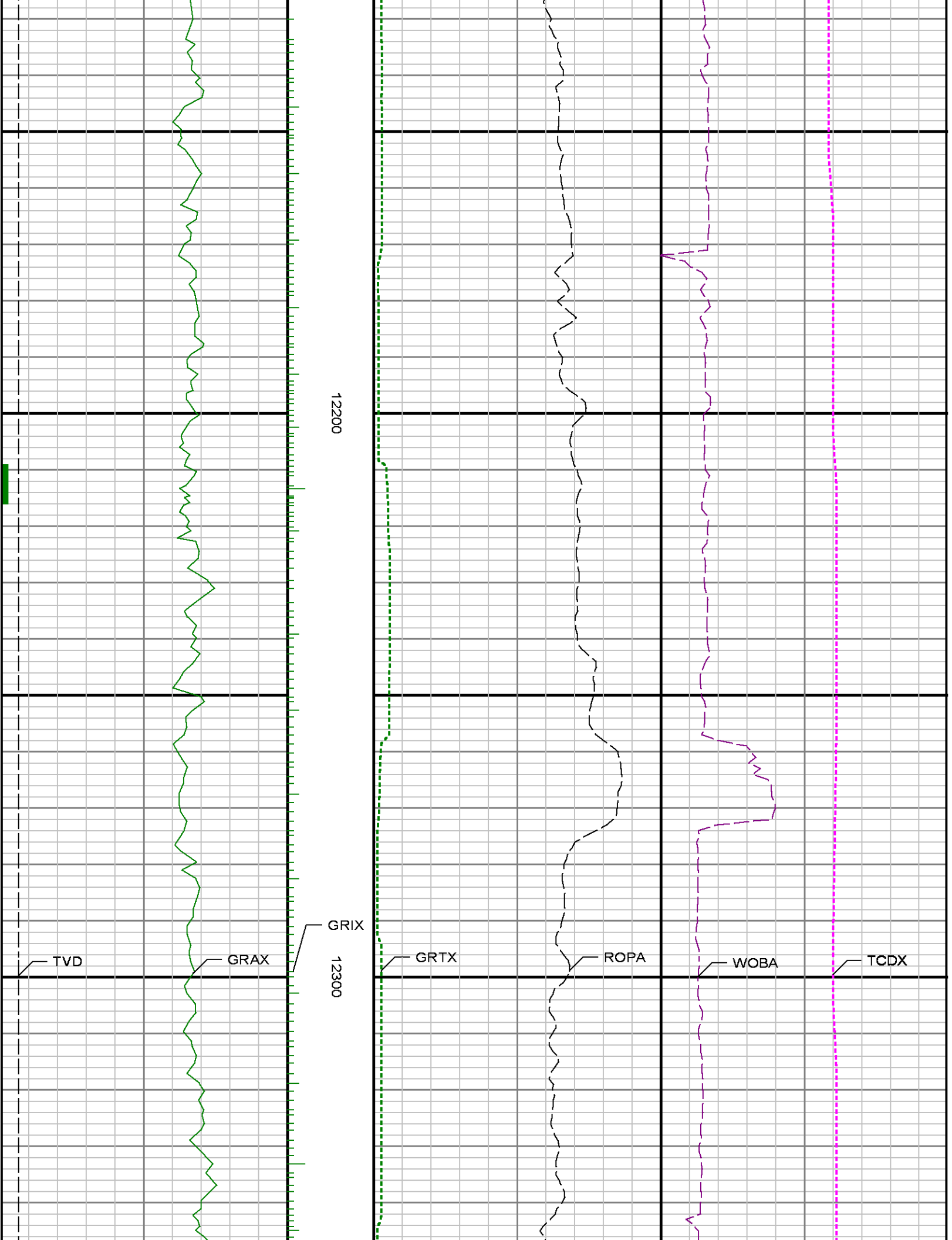


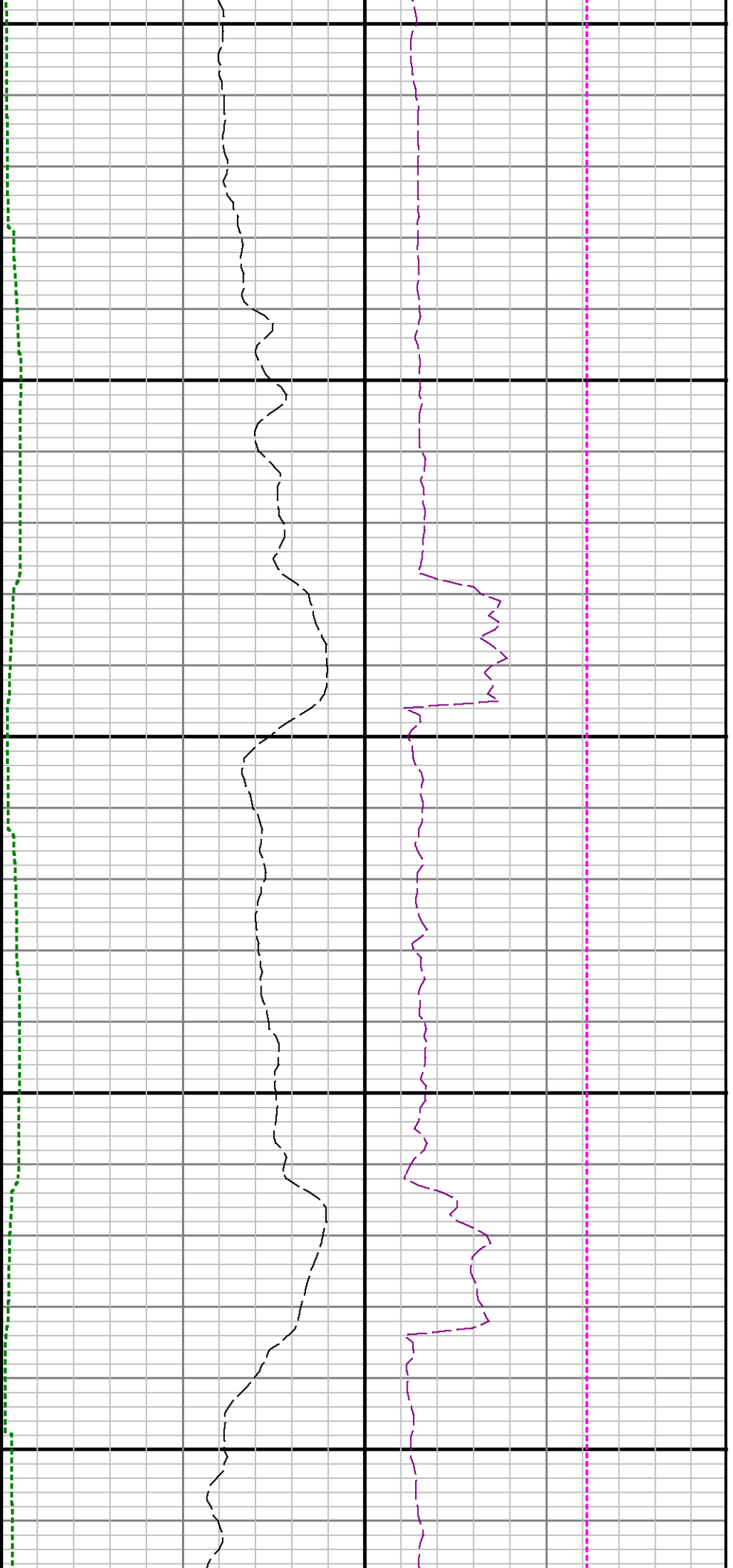


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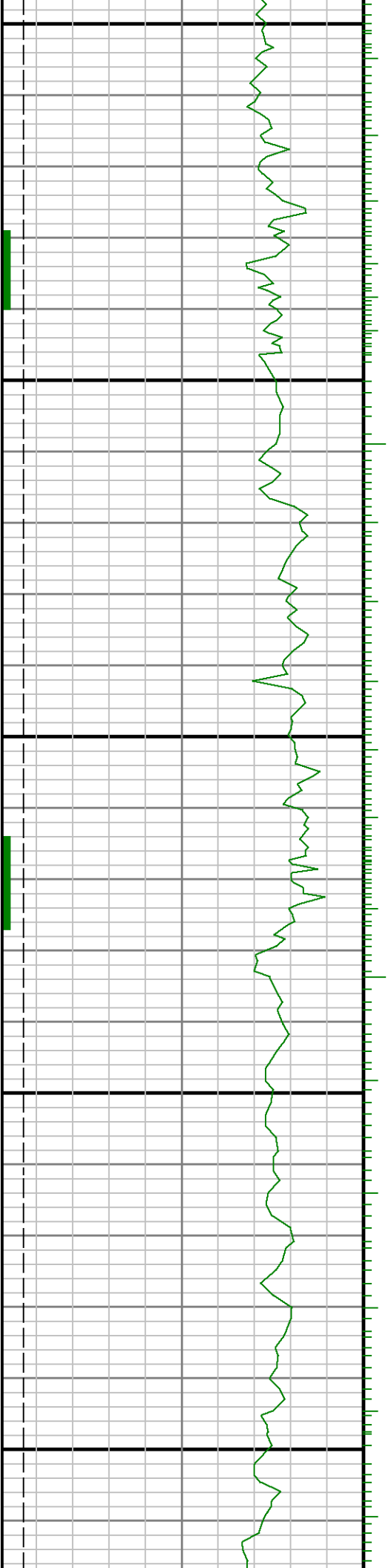






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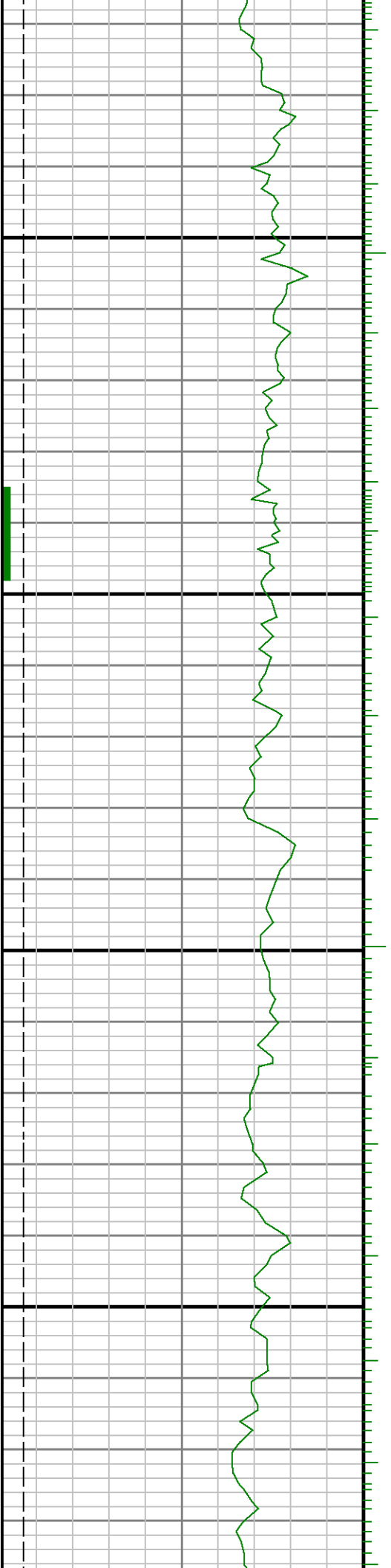
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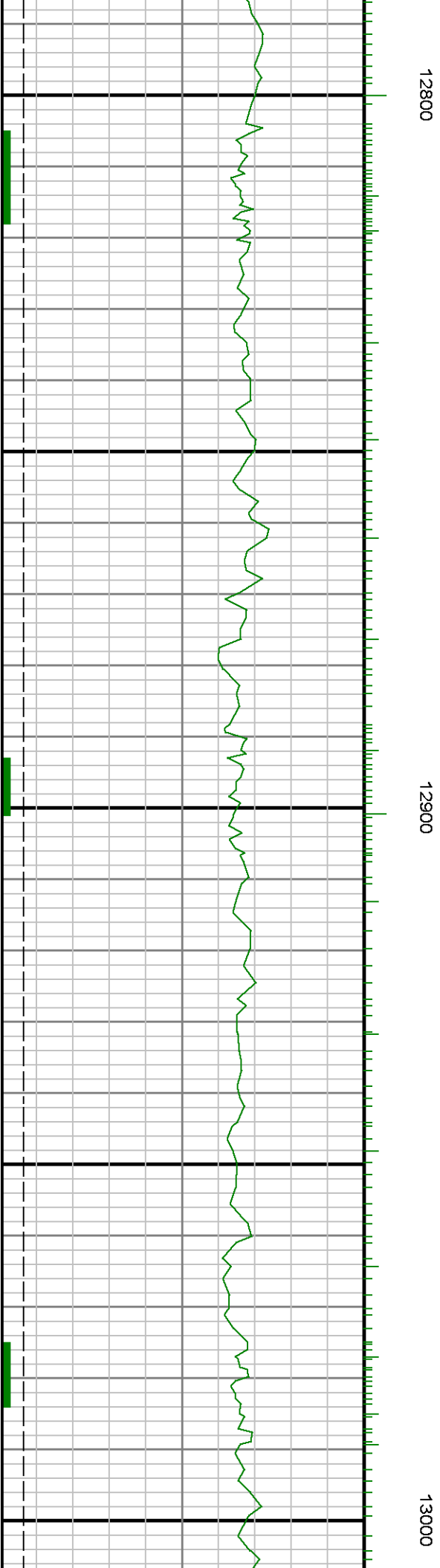
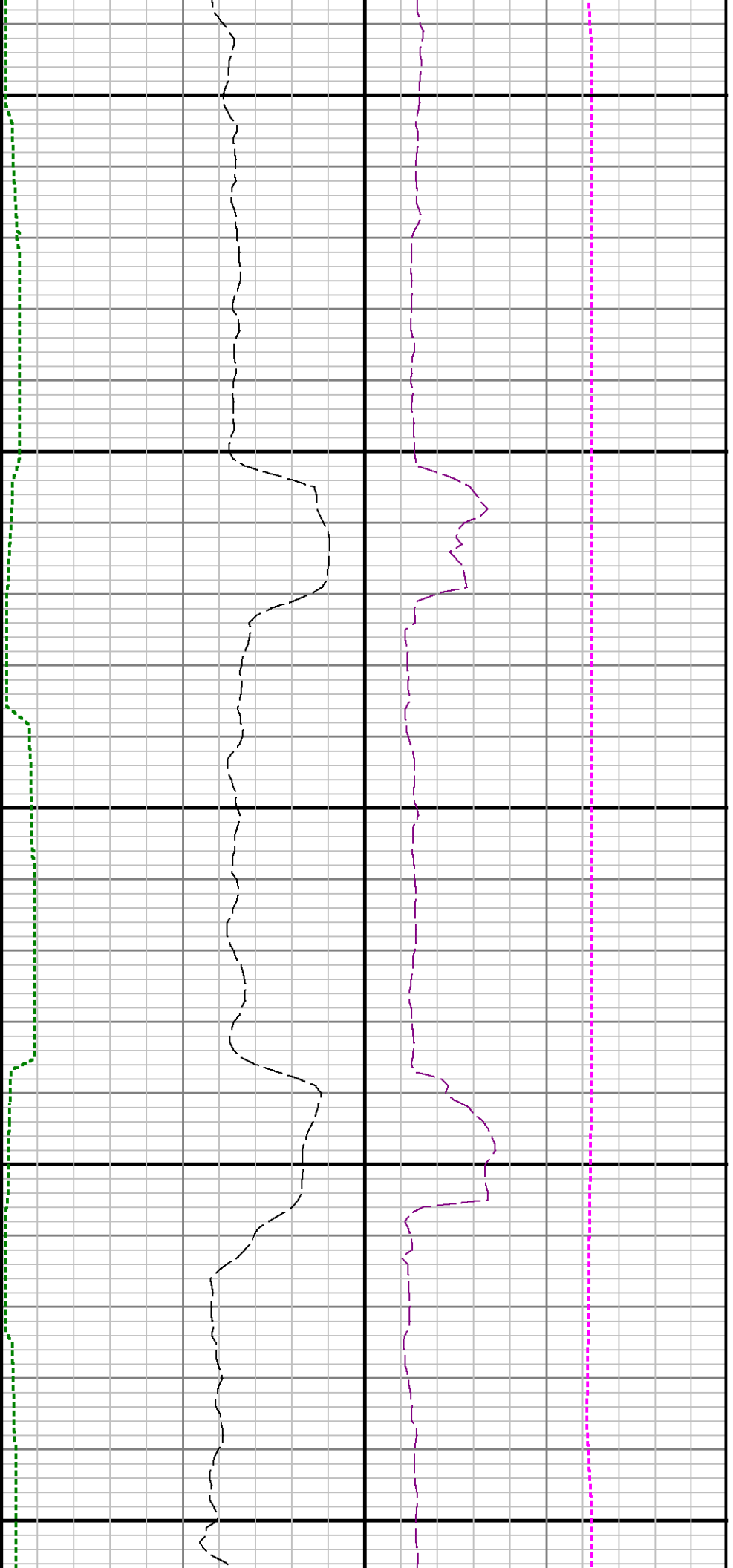




12600

12700







13100

13200

