



Realtime Logs

Natural Formation Evaluation  
Gamma Ray

Scale: **Company: Anadarko**  
**1:240**  
**Measured Depth**  
**Well: Douthit 41C-27HZ**  
**Field: Weld County**  
**County: Continental US State: United States**

Status: **Final Print**  
API Number: 05123395010000  
Permanent Datum (P.D.): Ground Level  
Log Measured From: Kelly Bushing  
Depth Reference: Driller's Depth  
Surface Location: Latitude: 40° 12' 0.882" N Longitude: 104° 57' 42.577" W  
Section: 26 TWN: 3N Range: 68E  
Other Services: Directional  
Elevations: KB: 17.00 ft. DF: N/A GL: 4942.00 ft.

Interval Logged  
Top: 6690.0 ft. Date From: 01/Oct/14 Date To: 08/Oct/15  
Bottom: 12950.0 ft. Date To: 08/Oct/15  
Spud Date: 30/Sep/14  
Dates  
Dip Angle: 66.88 °  
Total  
Field Strength: 52631.0 nT  
Magnetic Field Reference  
Azimuth Reference North: 8.67 °  
Mag to Reference  
North Correction:

Borehole Record			Casing Record		
Hole Size	From	To	Size	Weight	From
13,500 in.	Surface	1254.0 ft.	9,000 in.	36.00 lb/ft	Surface
8,750 in.	1254.0 ft.	7767.0 ft.	7,000 in.	36.00 lb/ft	Surface
6,125 in.	7767.0 ft.	12950.0 ft.			

Mud Record			Deviation Record		
Type	From	To	Hole Size	Interval	Inc / Az (Start)
Water Base	Surface	12950.0 ft.	13,500 in.	Surface	0.0 ° / 0.0 °
			8,750 in.	Vert / Curve	0.5 ° / 178.2 °
			6,125 in.	Lateral	81.8 ° / 276.1 °
					92.3 ° / 274.3 °
					/
					/
					/
					/

Acquisition System			Software Version			Other		
Advantage	2.20U4	Rig: / Contractor:	Xtreme 8	/	Anadarko			
PATS	6.4.1.34	Job No:	6532418					
		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	2	8.750	PDC Core		Mud Motor	6690.0	7706.0	6690.0	7767.0	01/Oct/2014 12:25	04/Oct/2015 01:23		18:30	
2	2	3	6.125	PDC Core		Mud Motor	7706.0	12886.0	7767.0	12950.0	05/Oct/2014 06:46	08/Oct/2015 03:52		38.2	

Crew

Name	Arrive	Depart	Name	Arrive	Depart	Name	Arrive	Depart
	Wellsite	Wellsite		Wellsite	Wellsite		Wellsite	Wellsite
Kevin Sheridan	09/30/2014	10/02/2014	Shirley Arimah	09/30/2014	10/08/2014	David Belek	10/03/2014	10/08/2014

Mud Properties Record

Date / Time		LWD Run No.	Measured Depth (ft.)	Mud Type	Density (sg)	Viscosity (cp)	pH	Fluid Loss (cc)	Oil / Water	Source	Total Chlorides (ppm)	K+ (%)
10/04/2014	22:00	2	7767.0	Water- Based	10.6	42	9.0	N.A	1/88	Active Pits	2900	N/A
10/06/2014	21:00	2	10880.0	Water- Based	9.3	41	9.1	N/A	2/92	Active Pits	2900	N/A

Mnemonics

Curve	Description	Units
GRAX	Gamma Ray Apparent	API 0.5 ft. avg.
GRIX	Gamma Ray Density	Points
ROP_AVG	Rate of Penetration	ft/hr 3.0 ft. avg.
TCDX	Downhole Temperature	deg F
TVD	True Vertical Depth	ft.
WOBA_AVG	Surface Weight On Bit	klbf 1.0 ft. avg.

Equipment and Service Data

LWD Run No.	Tool	Serial Number	Measurement	Bit Offset (m.)	Max O.D. (in.)	Min I.D. (in.)
1	SRIG	10098472	Gamma	58.05	6.750	3.313
1	DIR	11852218	Directional	61.18	6.750	3.313
2	SRIG	12376064	Gamma	58.32	6.750	2.750
2	DIR	12093880	Directional	61.70	6.750	2.750

Service and Tool Mnemonics

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

Comments

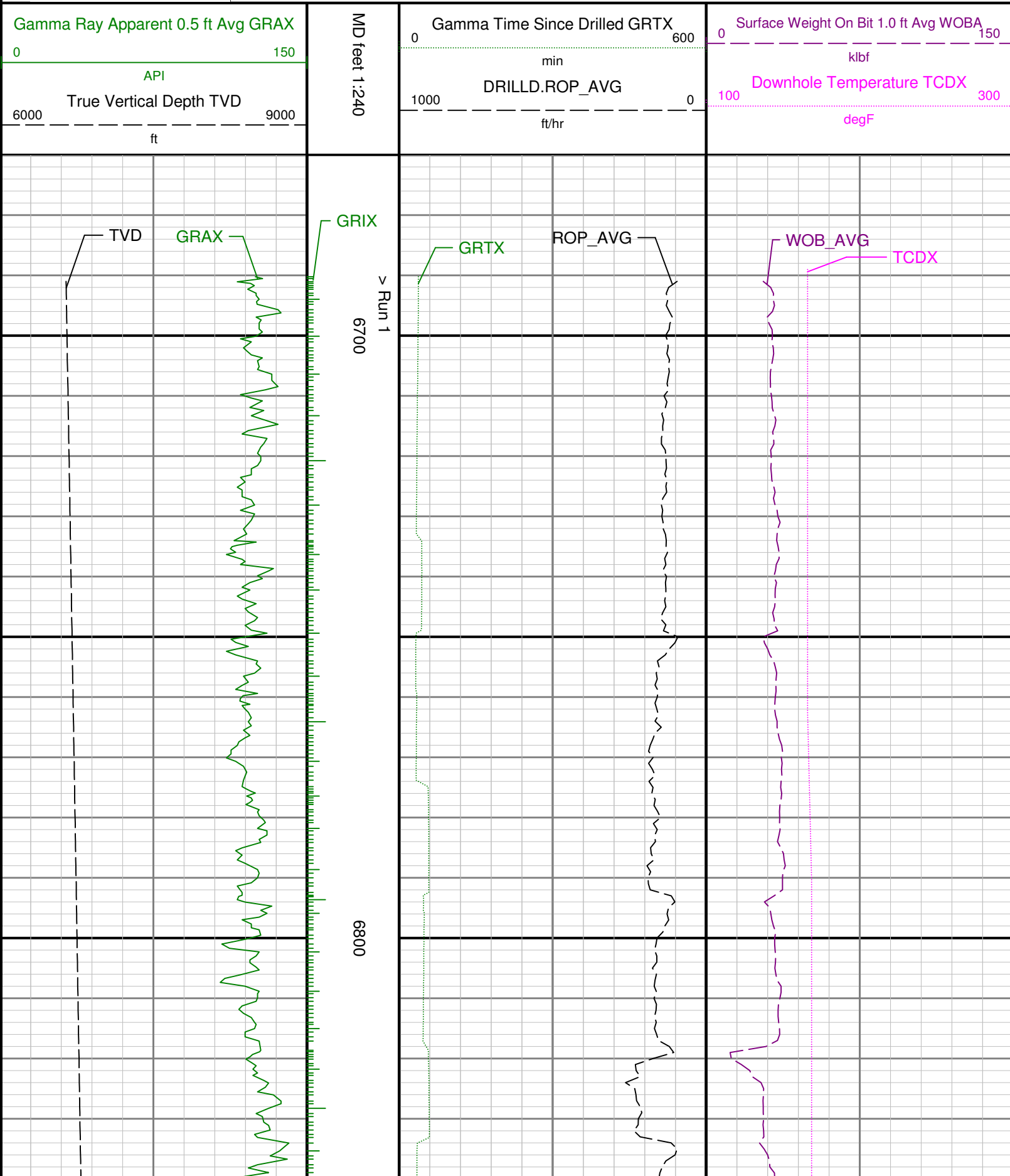
<p>1) Baker Hughes INTEQ runs 1 utilized a 6.5 inch NaviGamma (Gamma Ray and Directional) tool behind a 8 3/4inch bit and steerable assembly from surface to 7767 ft. MD (7293ft. TVD).</p> <p>2) Baker Hughes INTEQ runs 2 utilized a 4.75 inch NaviGamma (Gamma Ray and Directional) tool behind a 6 1/8 inch bit and steerable assembly from 7767 to 12950 ft. MD (7293 to 7285 ft. TVD).</p>
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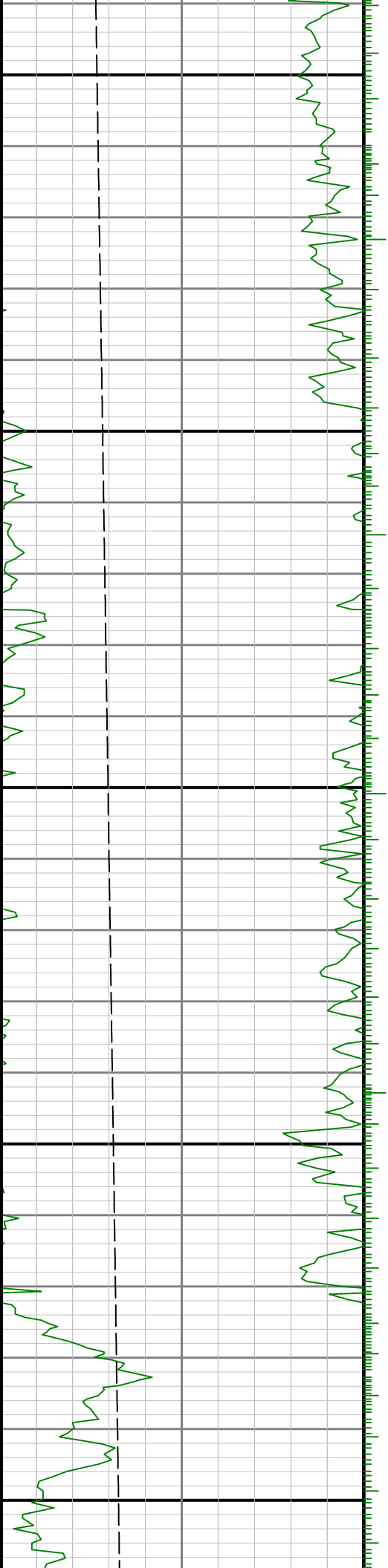
Remarks

Number	Measured Depth (m.)	Hole Section (in.)	LWD Run No.	Remark
1	7767	6.125	2	The interval from 7701 to 7767 feet MD (7293 to 7293 feet TVD) was logged up to 24 hours after drilling due to tripping out of the hole for casing and cement operations. Gamma data is attenuated due to logging behind casing.
2	12886	6.125	2	The interval from 12886 to12950 feet MD (7287.9 to 7285 feet TVD) was not logged due to sensor offsets to bit at TD.



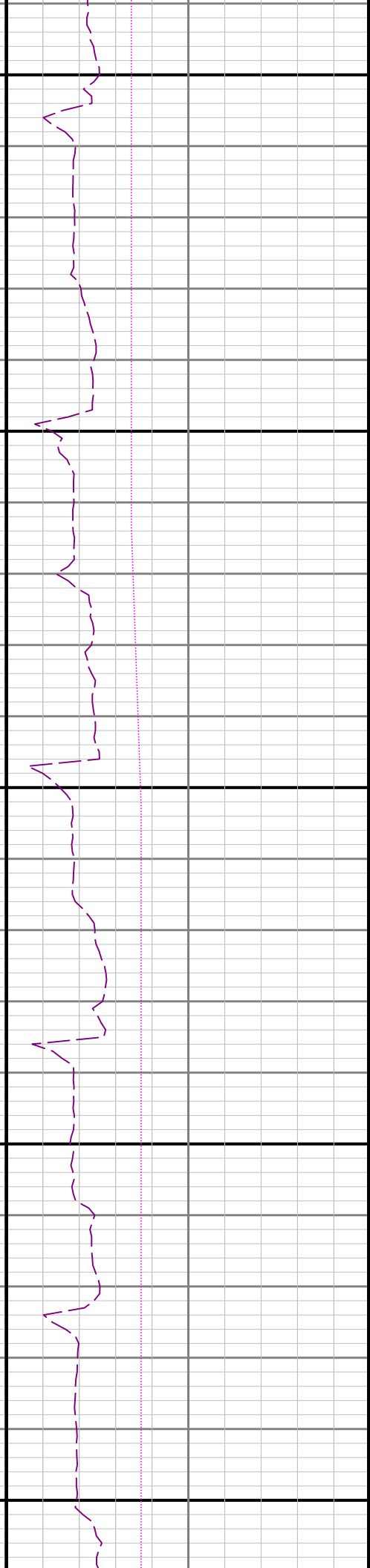
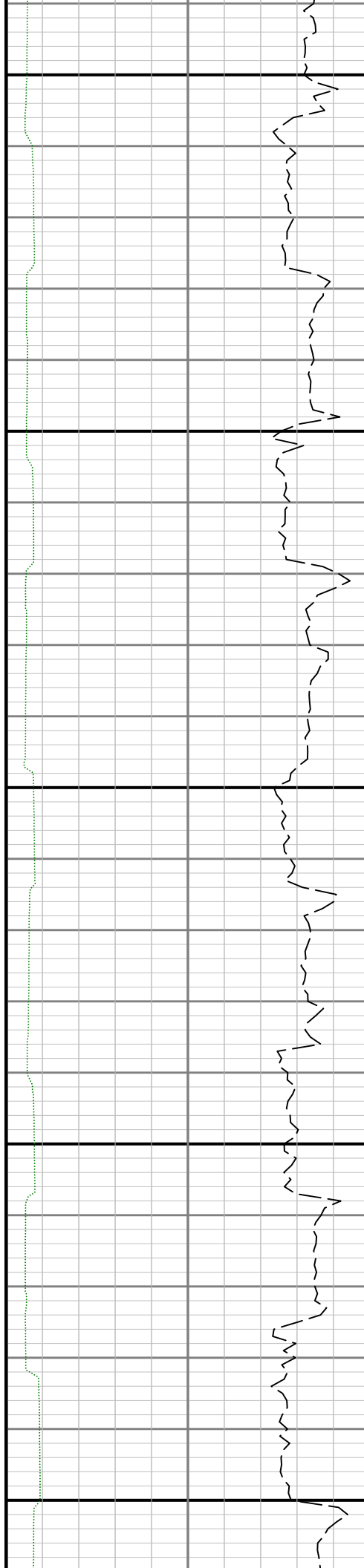
Company : Anadarko  
Well : Douthit 41C-27HZ  
Interval : 6670.00 - 12970.00 feet  
Created : 07/Oct/2014 11:50:45 AM

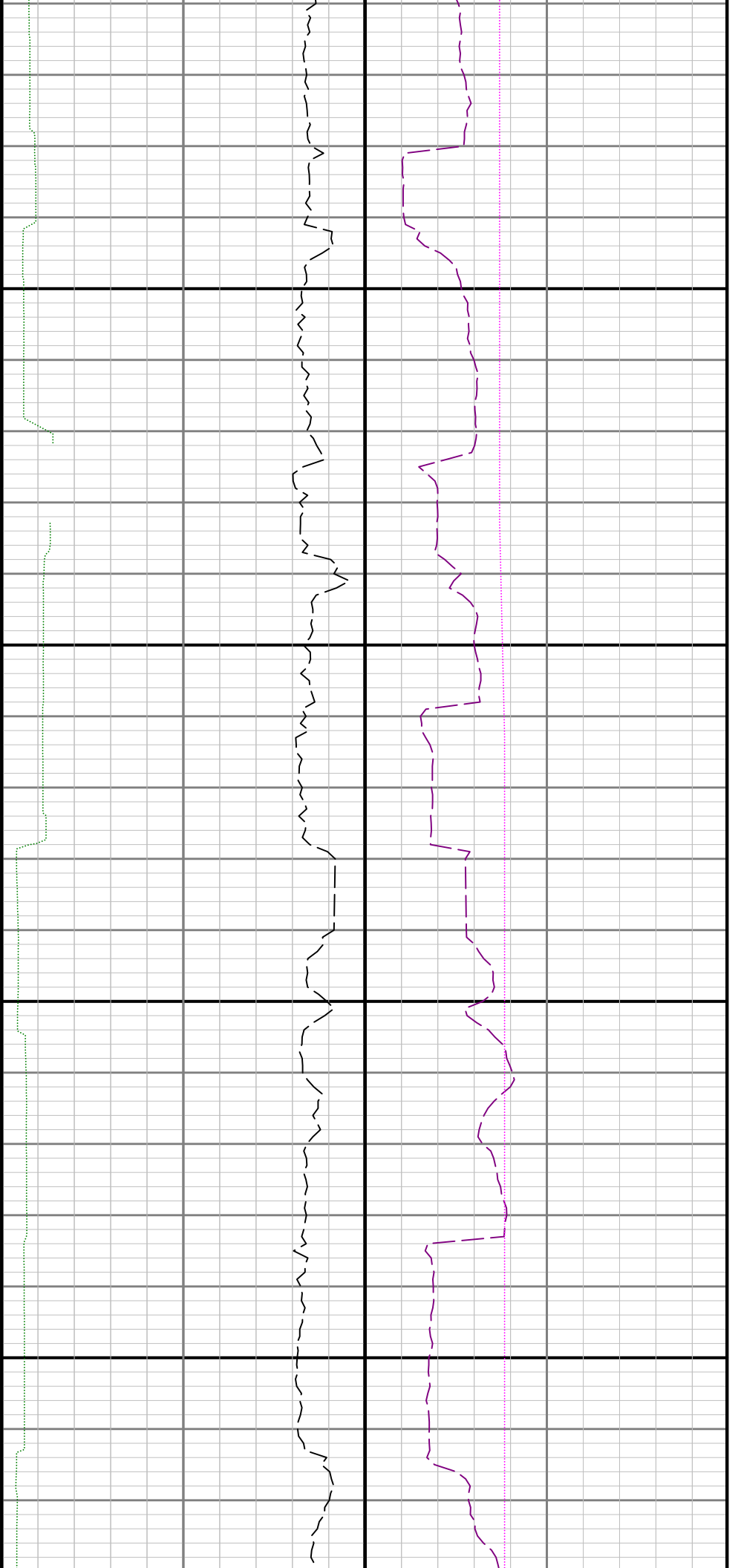




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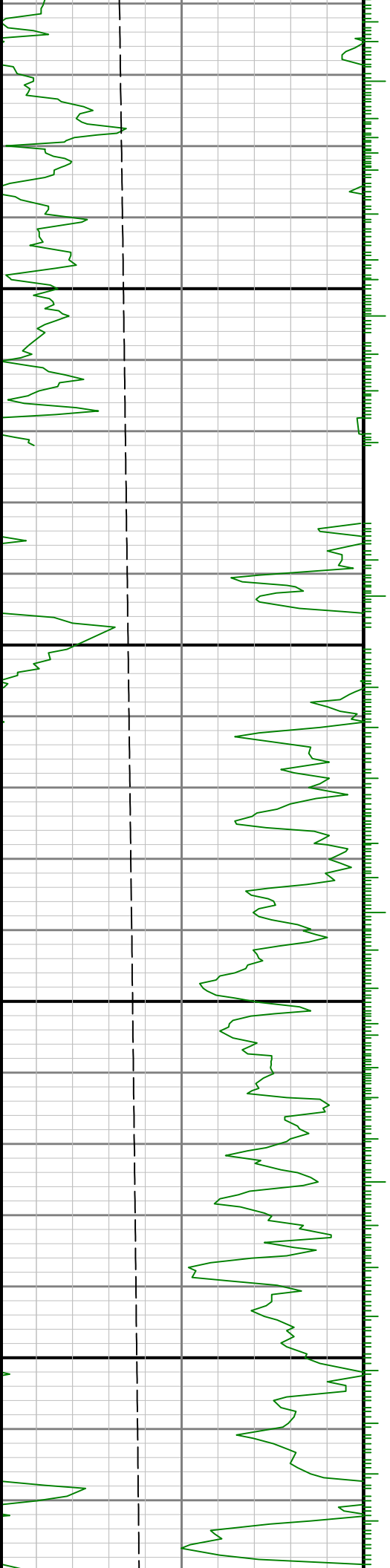
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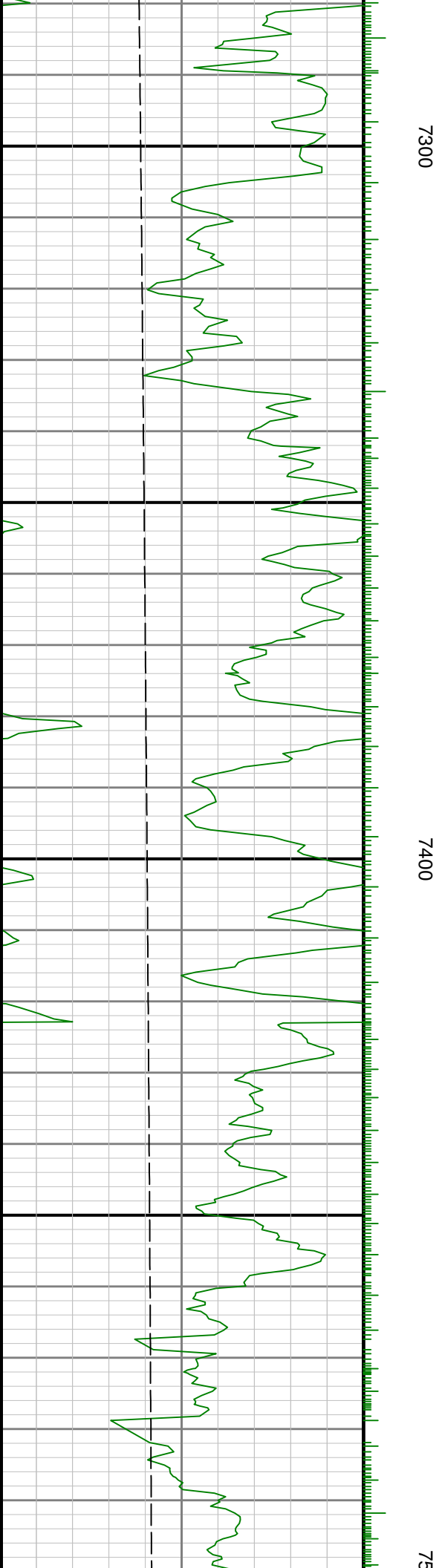
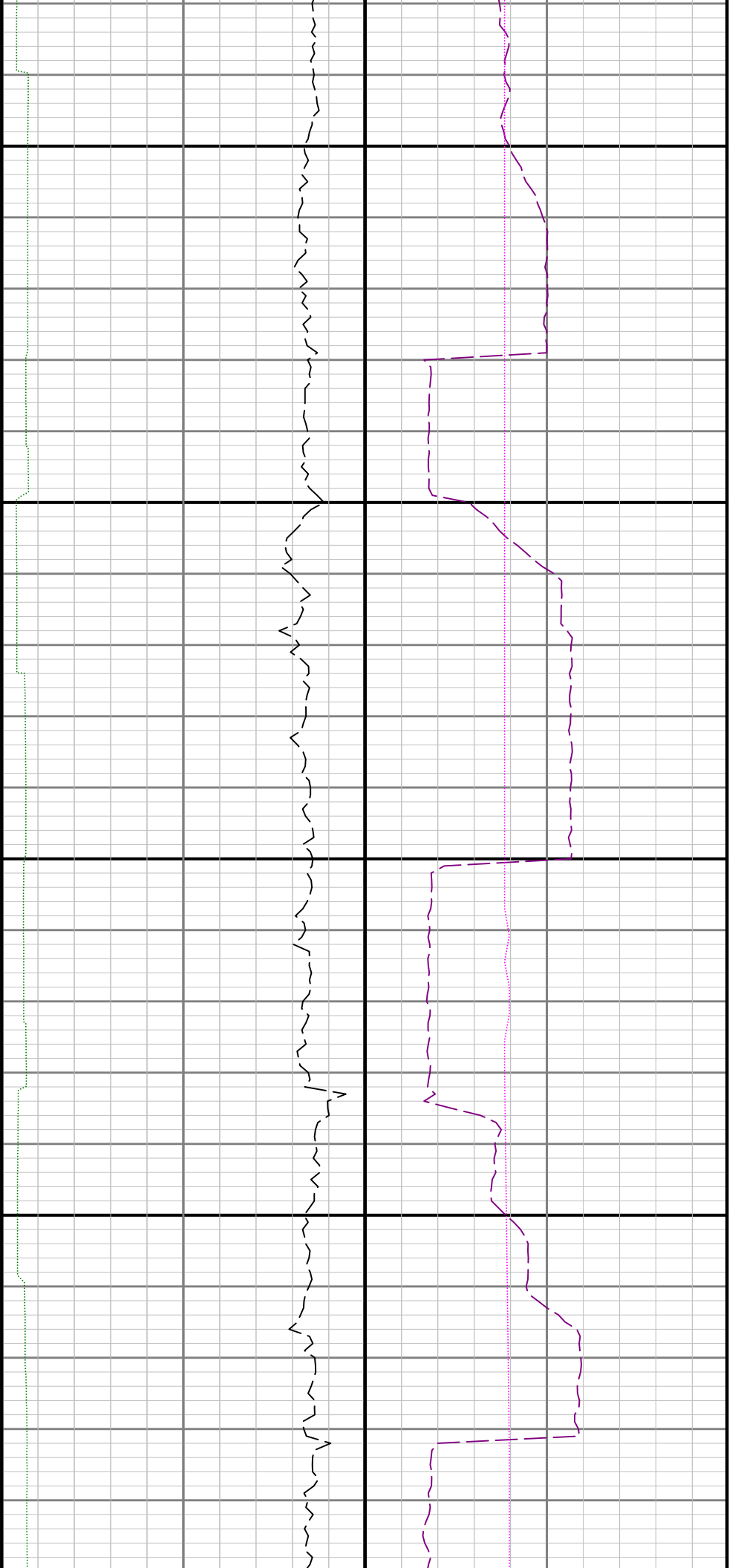


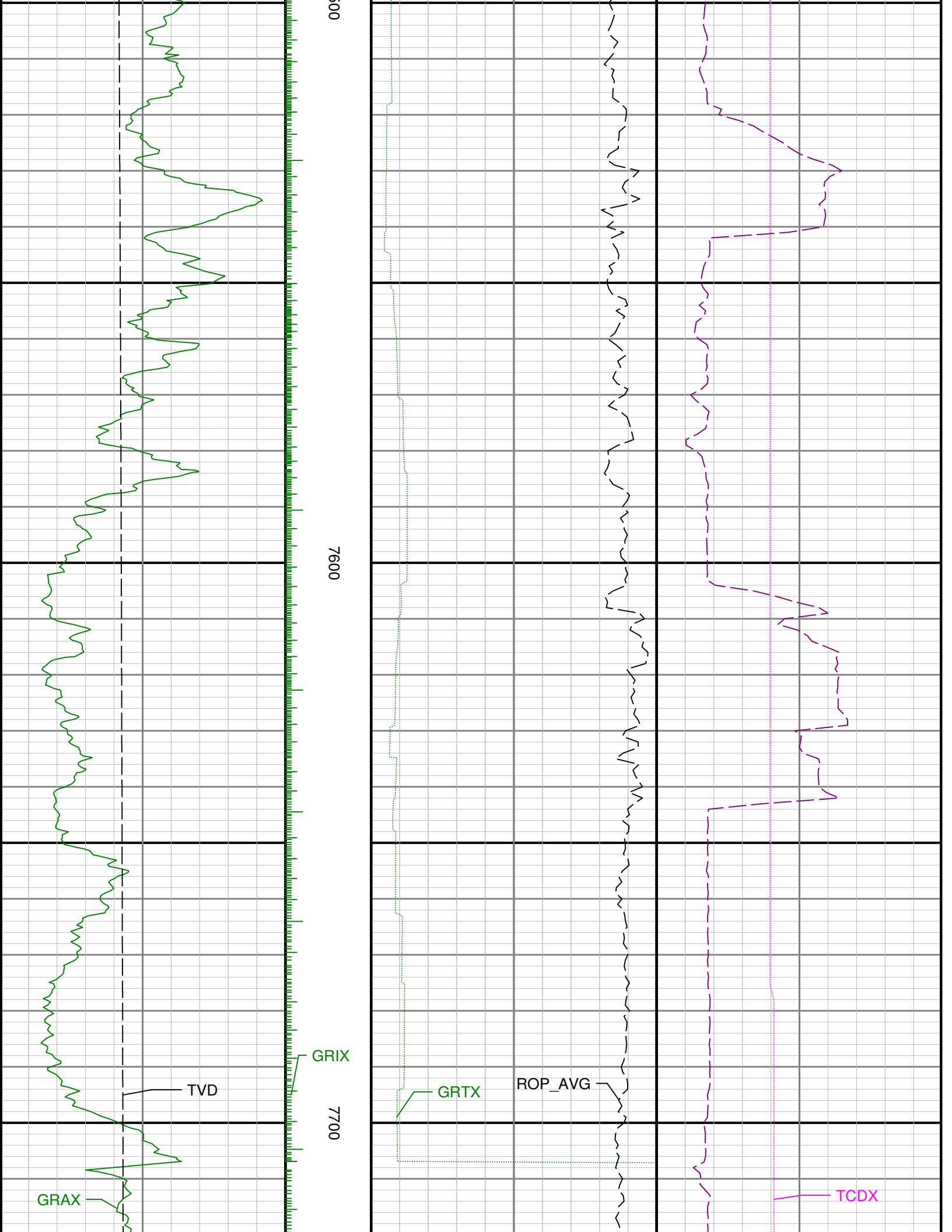


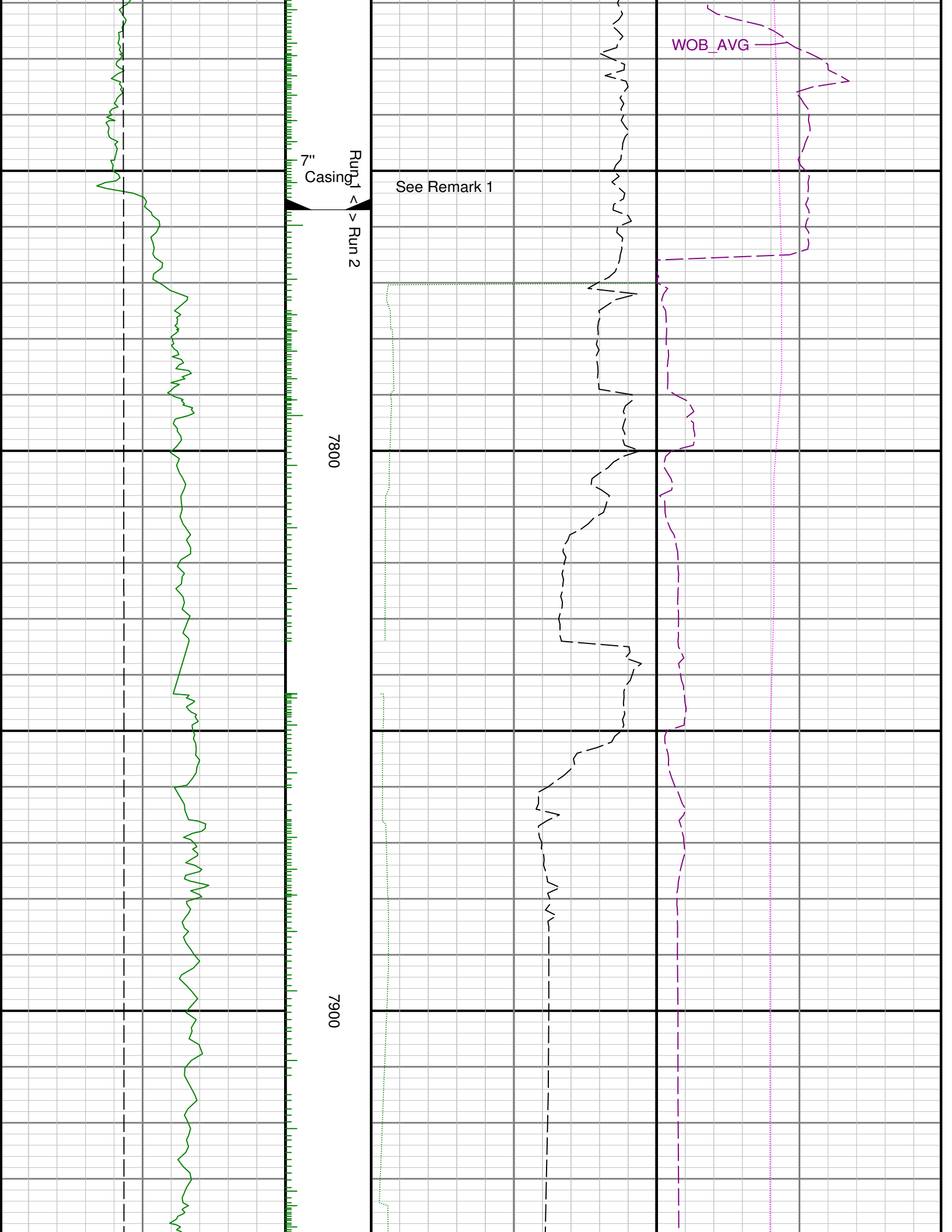
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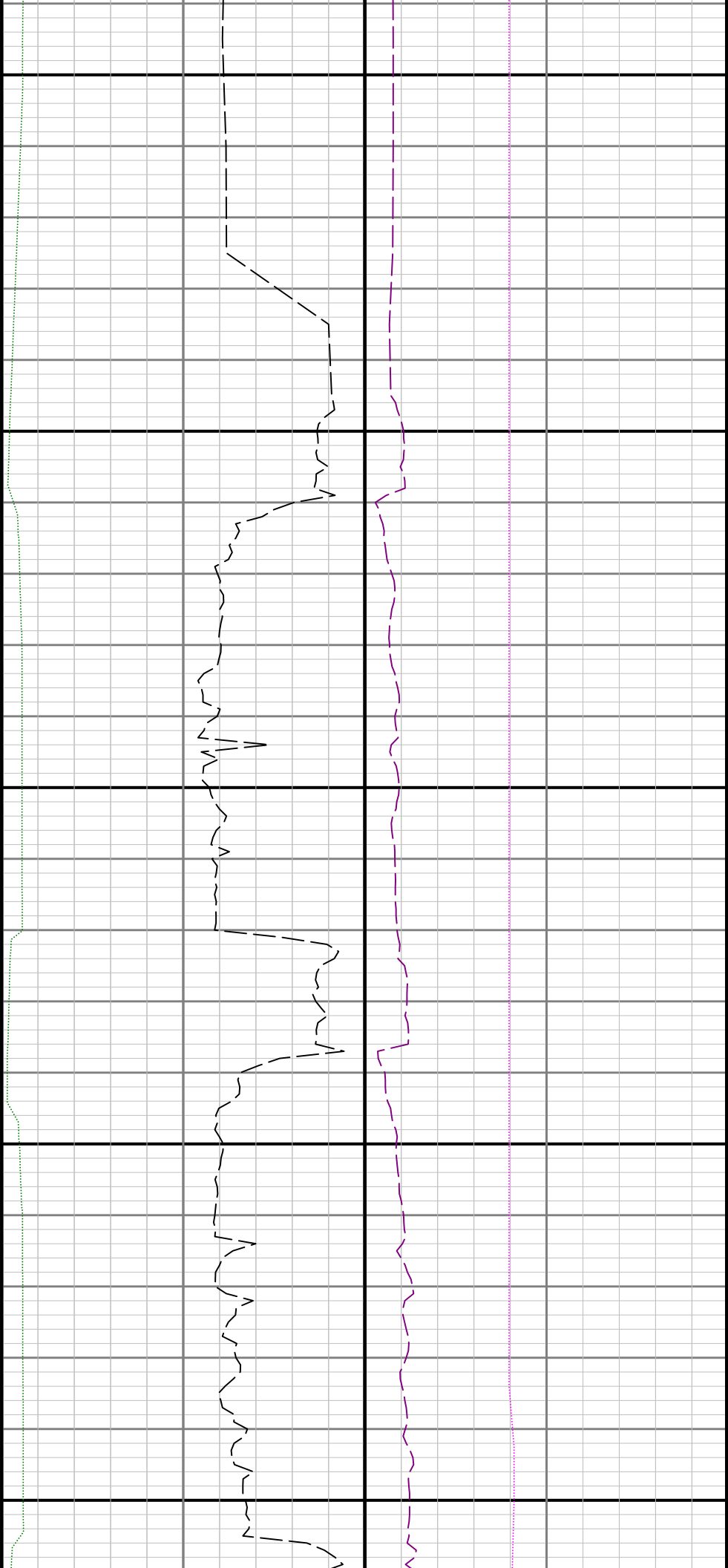






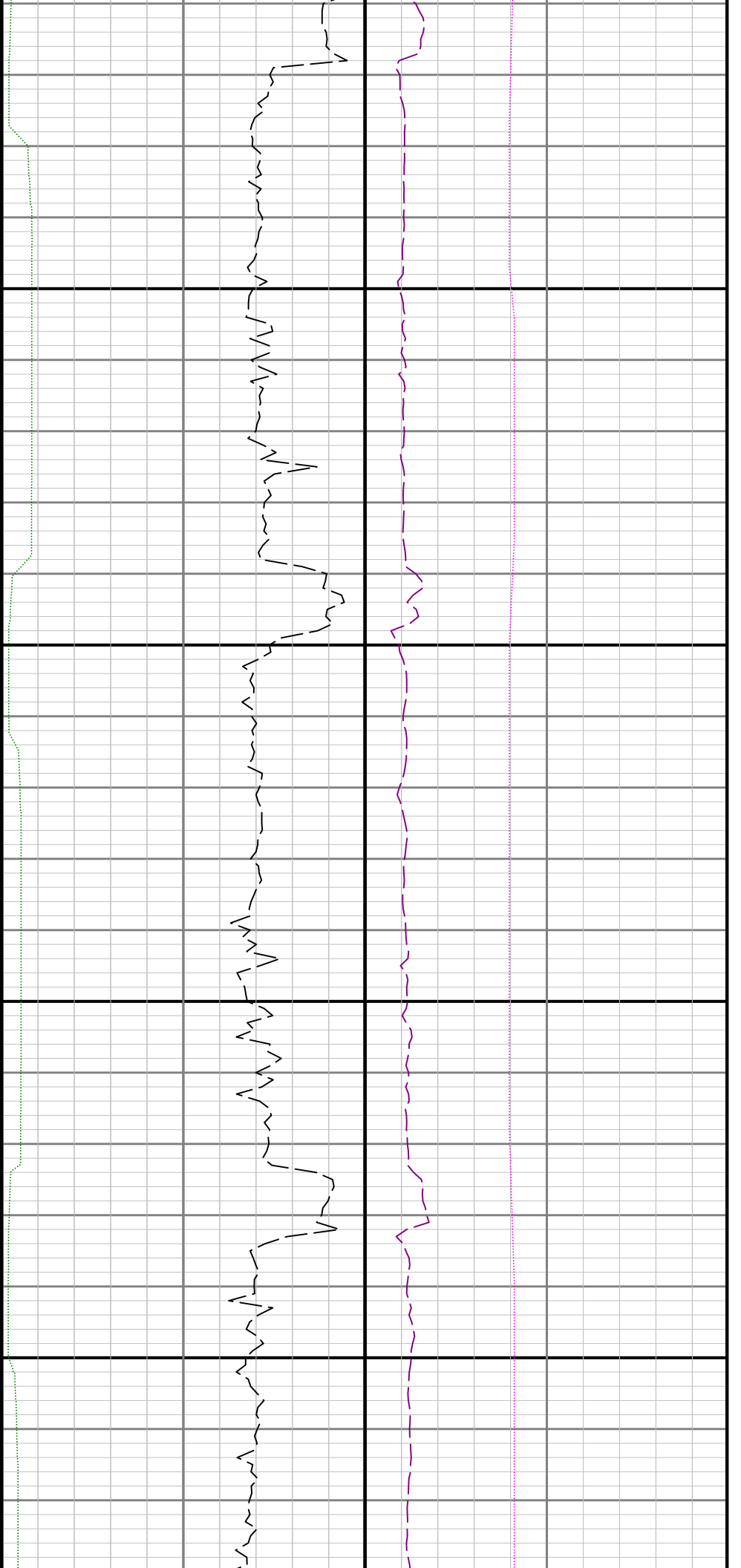






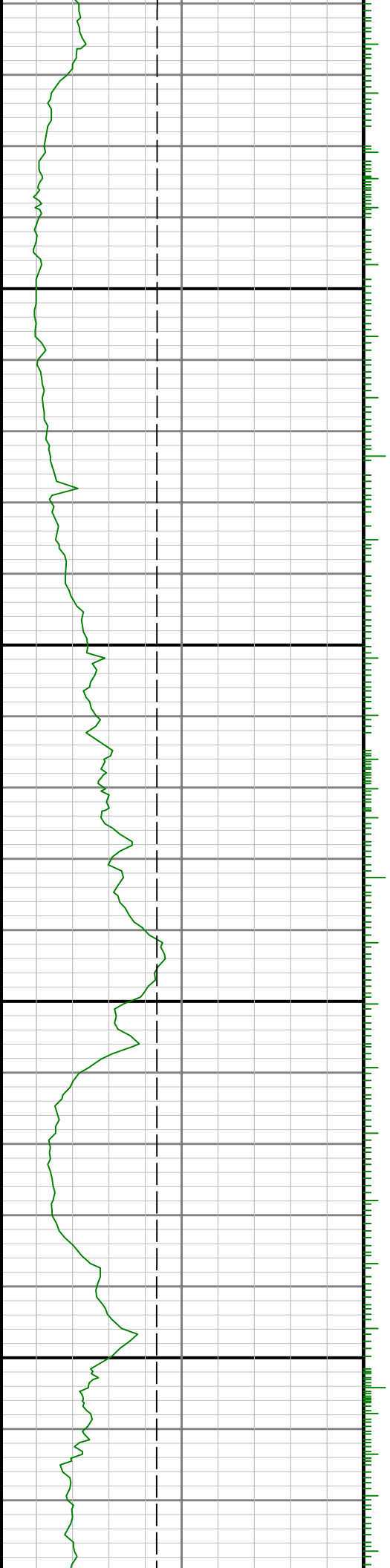
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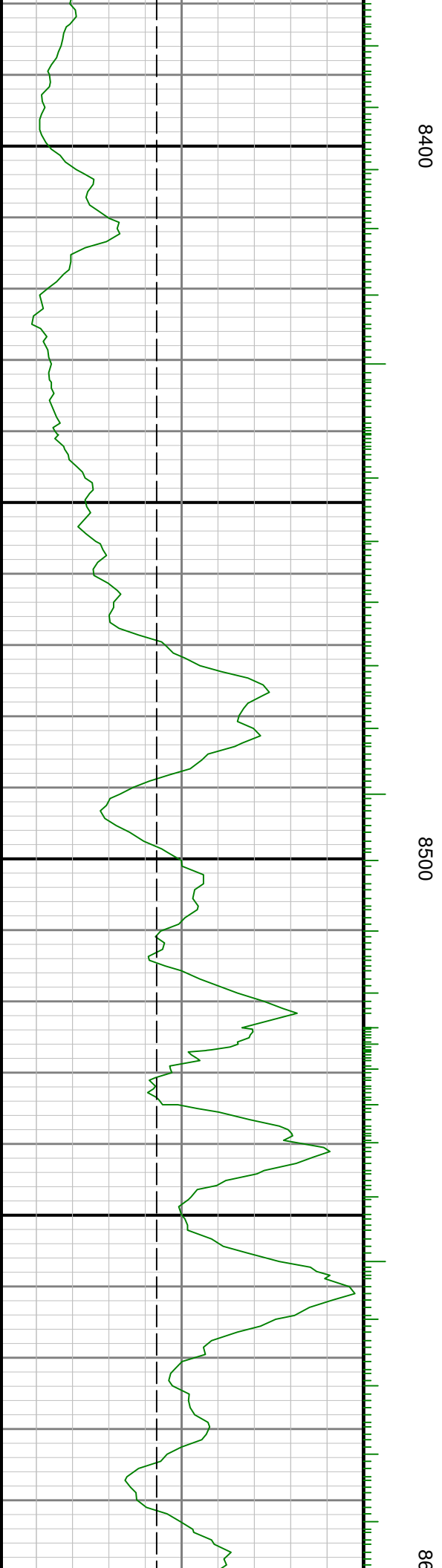
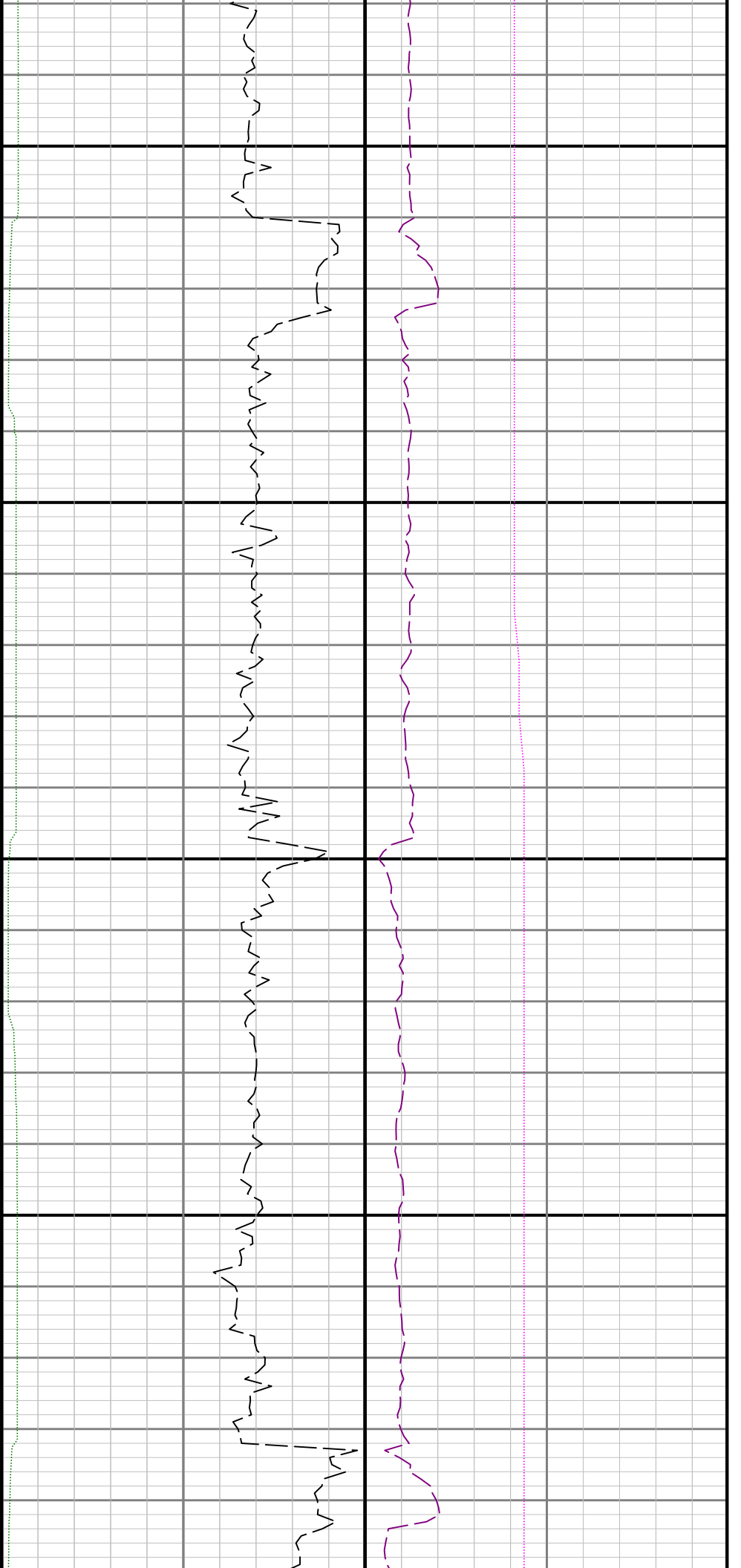
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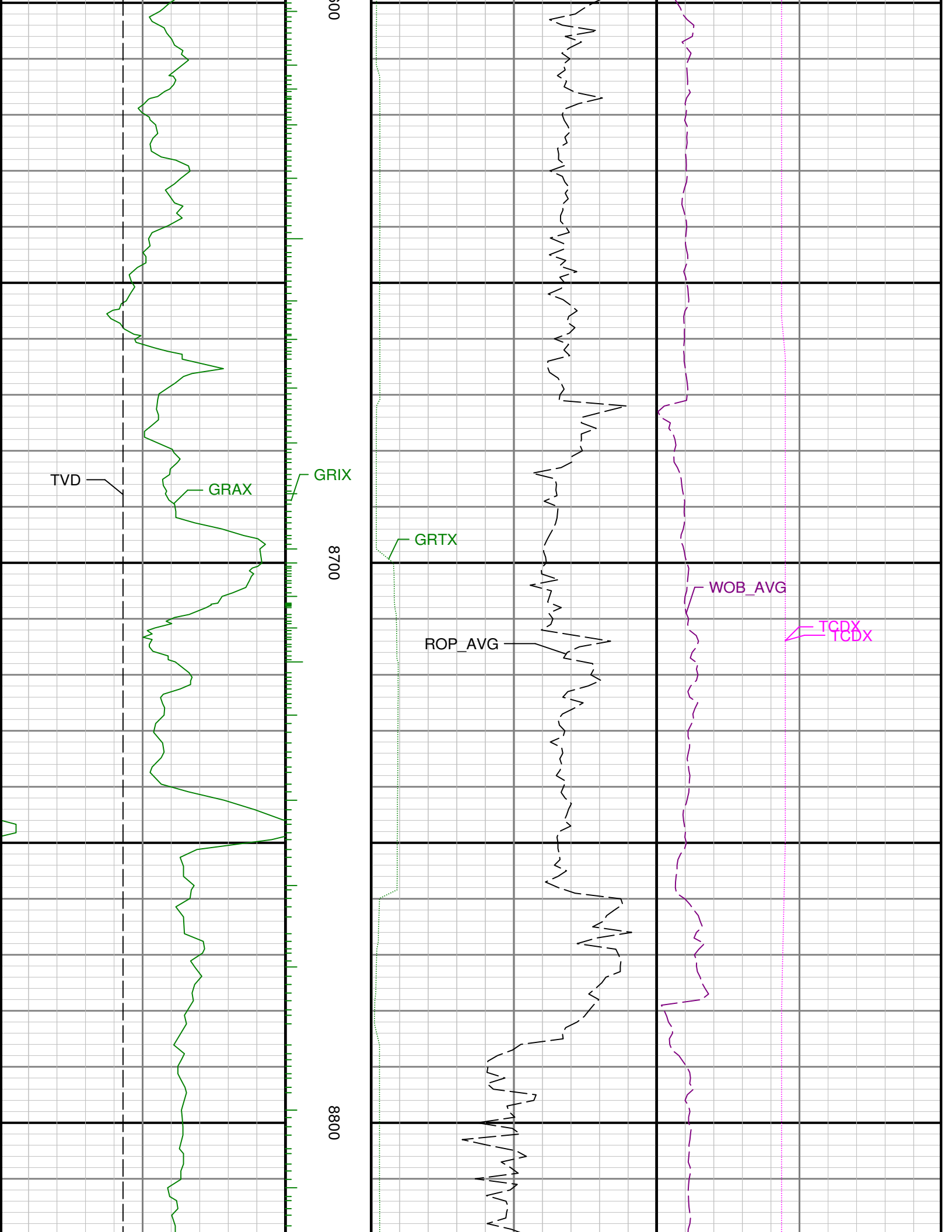


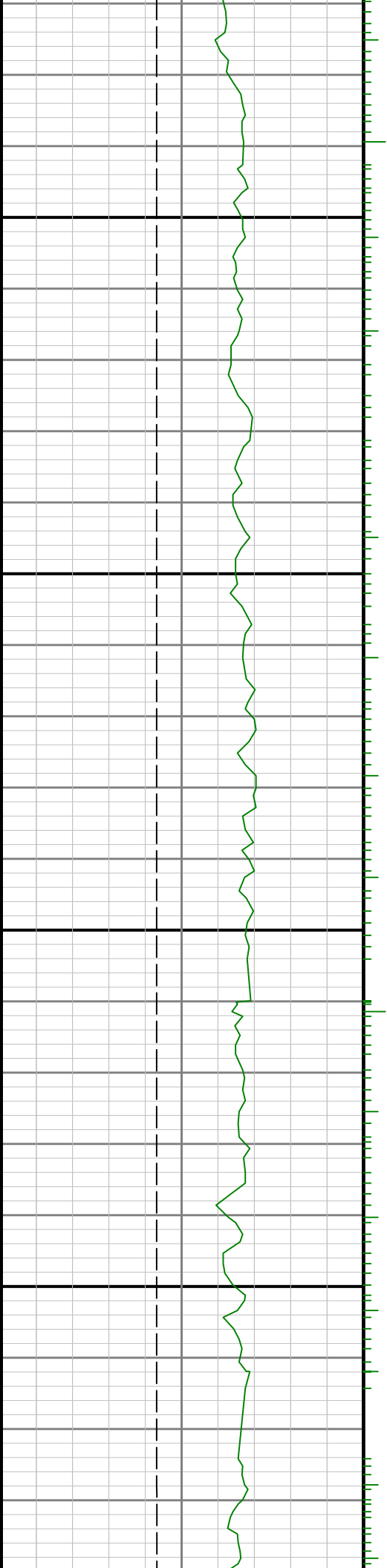
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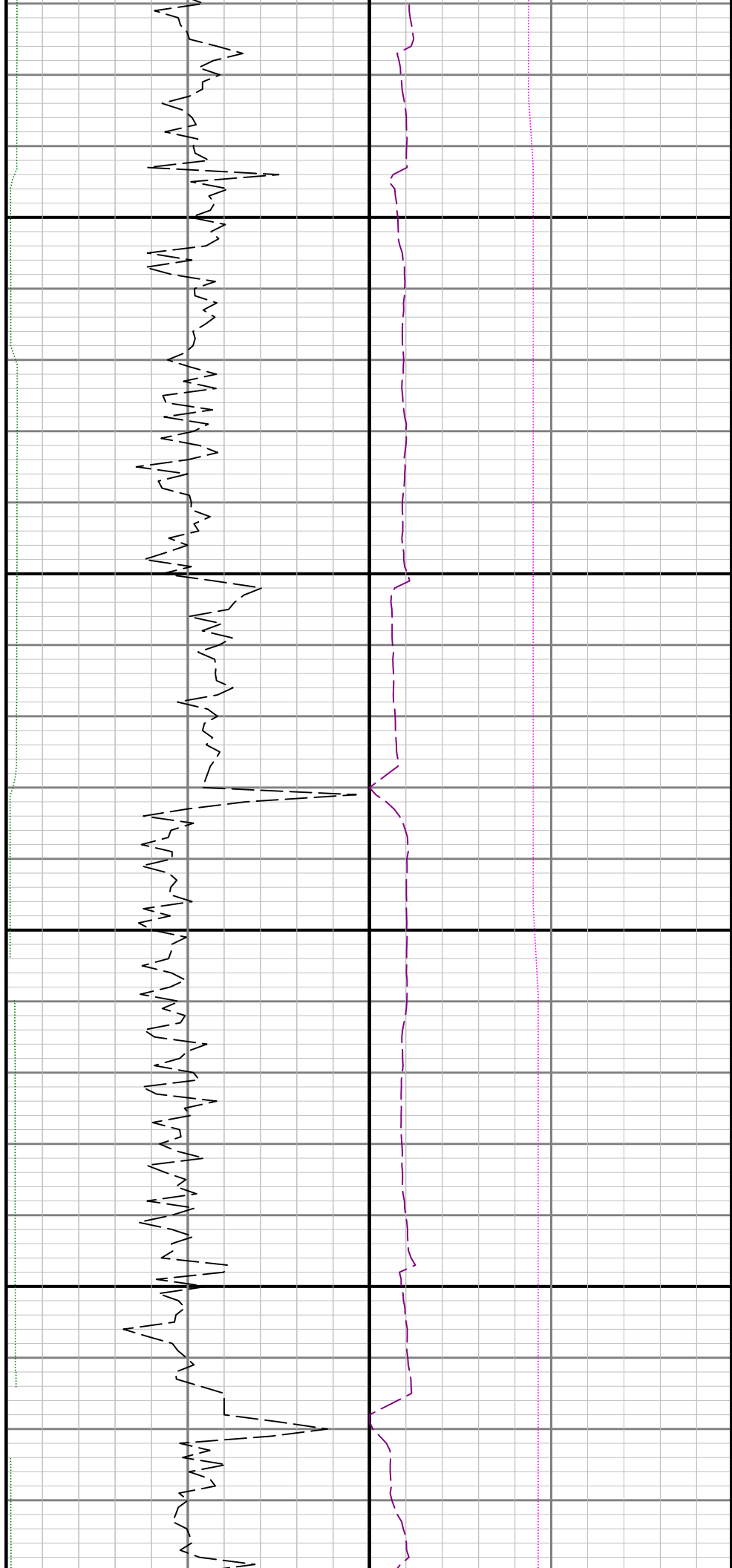


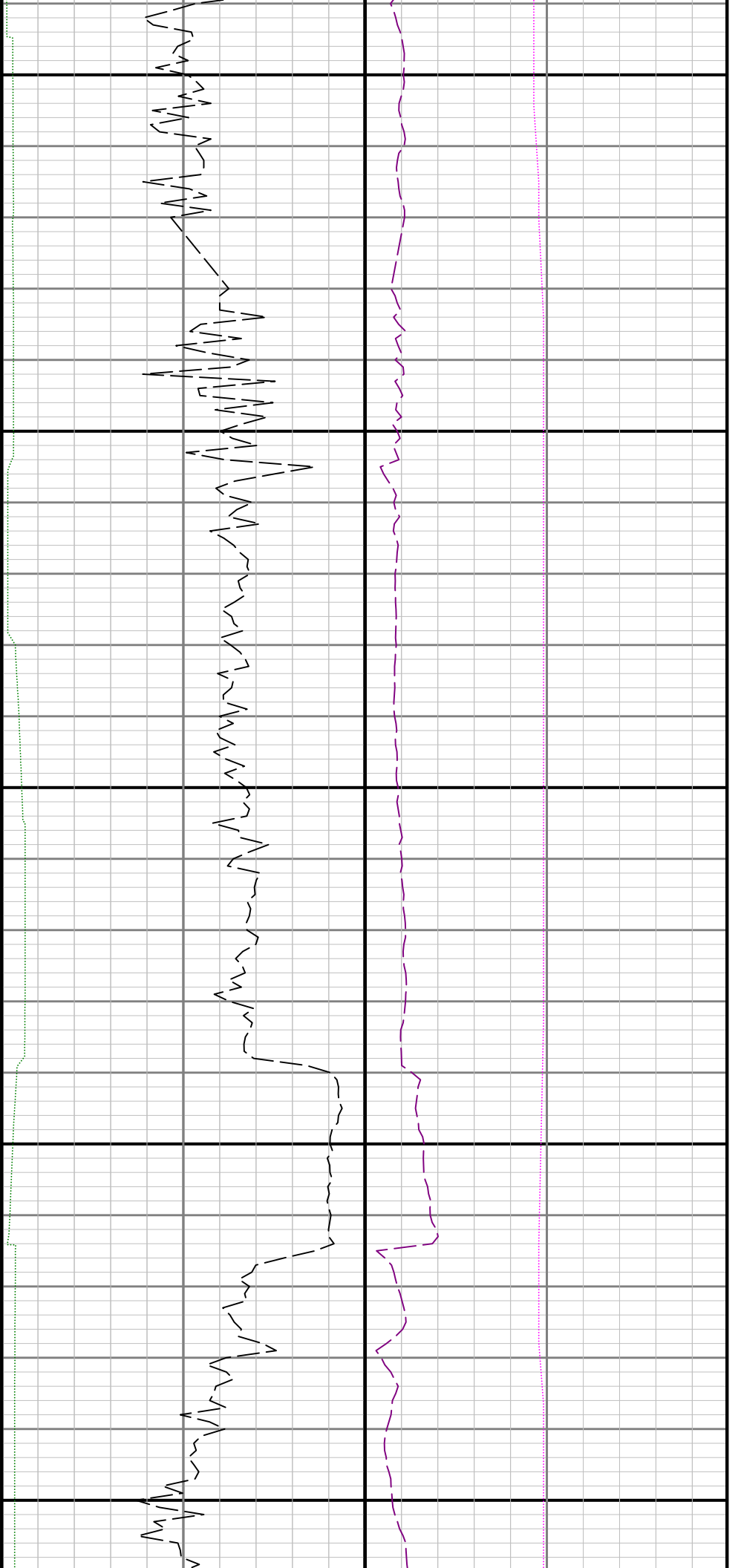




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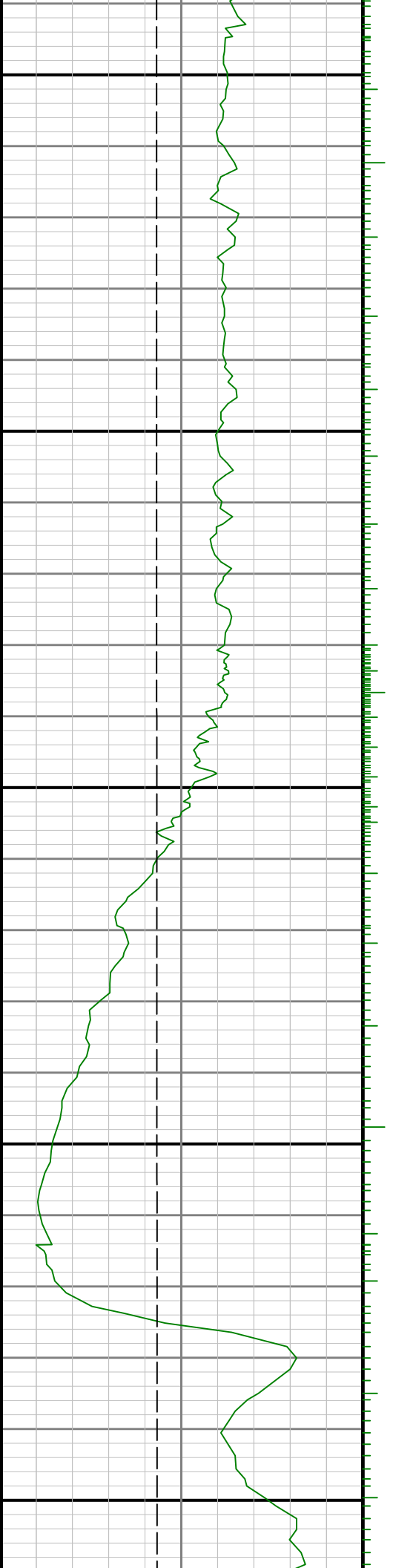
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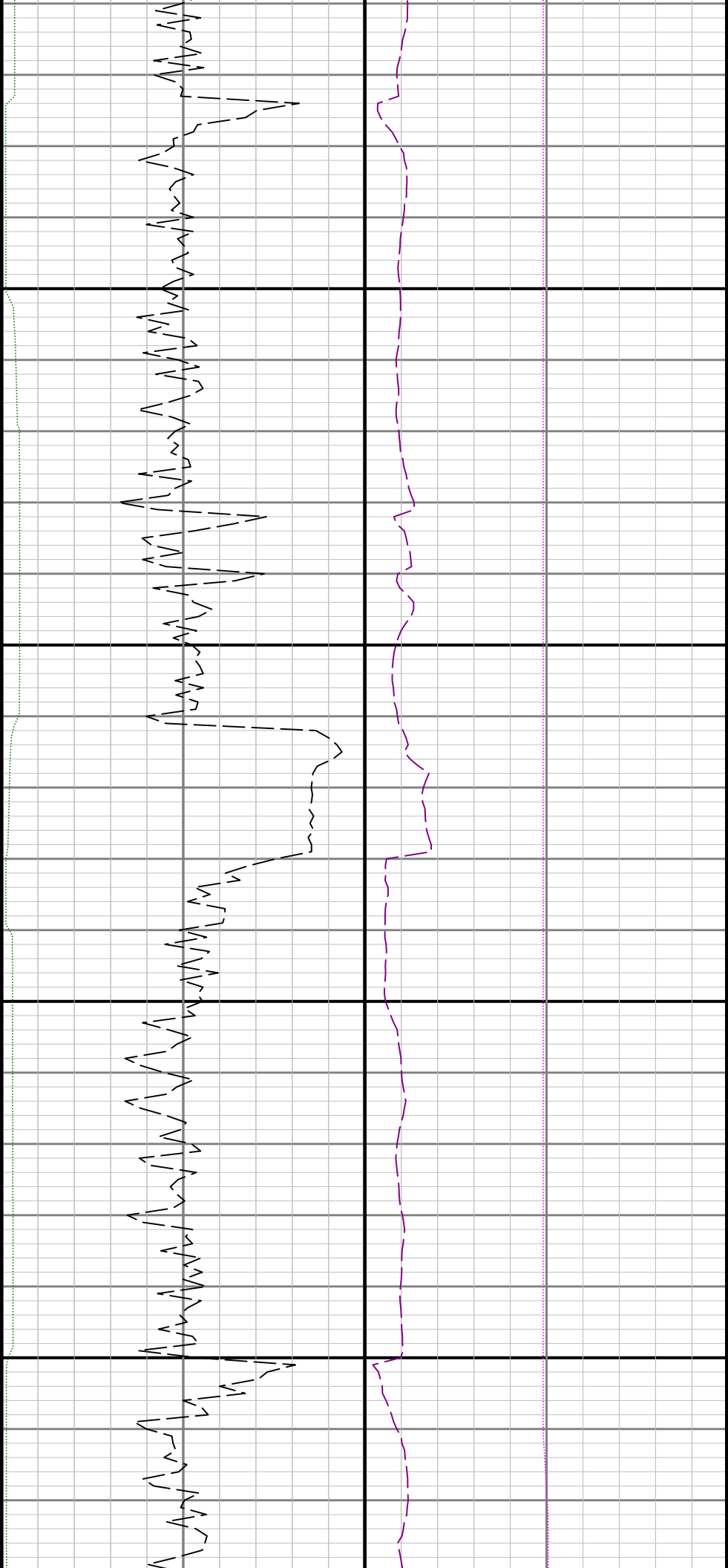




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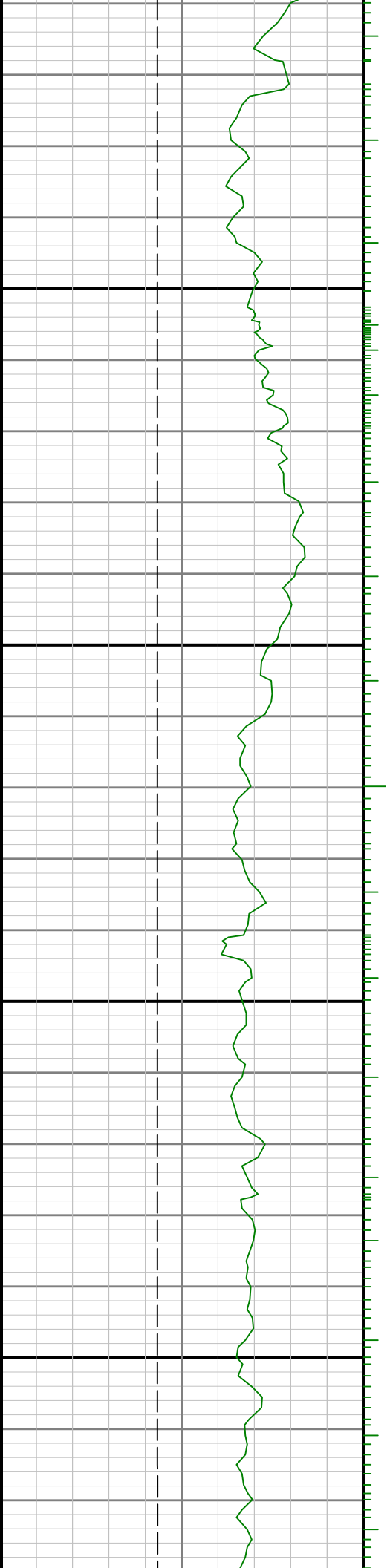
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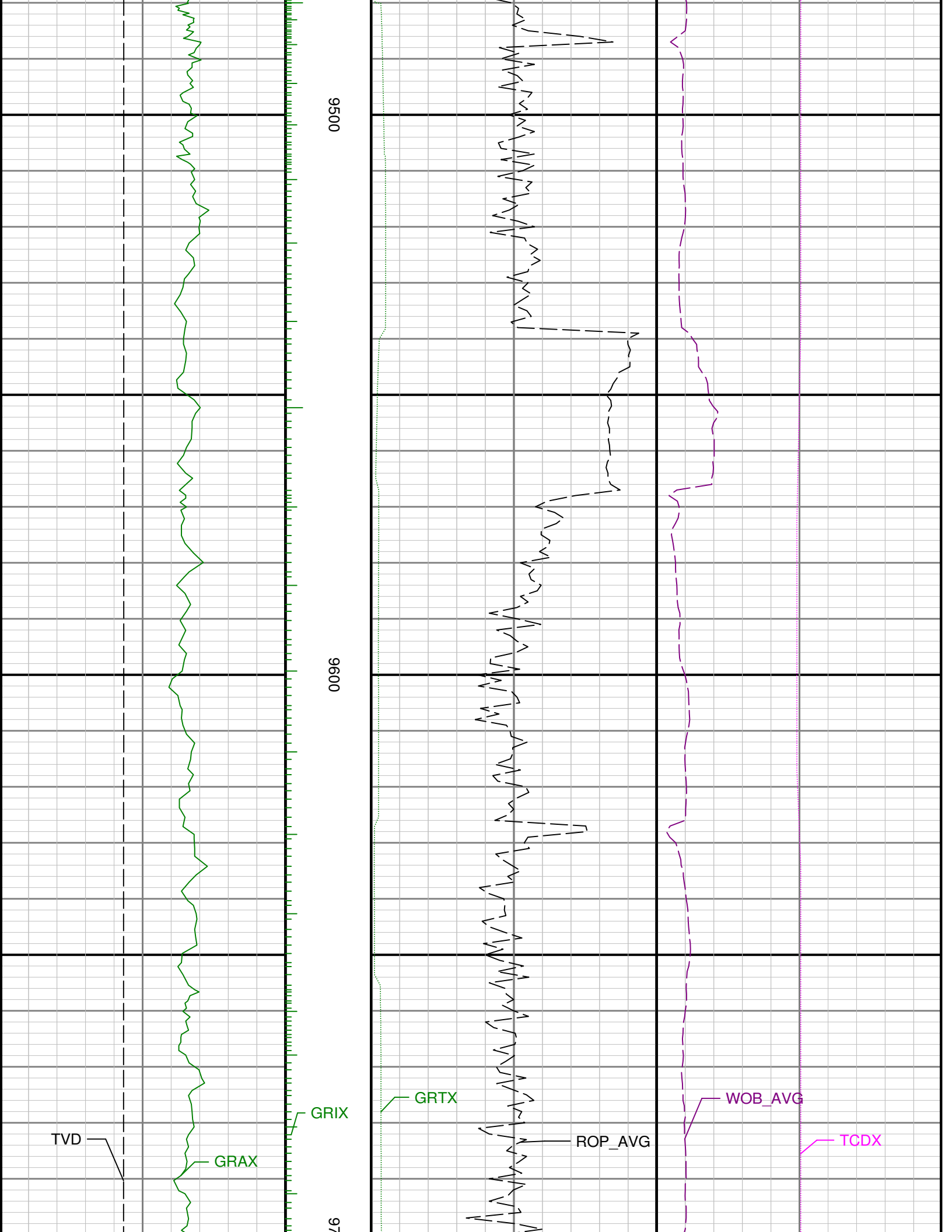




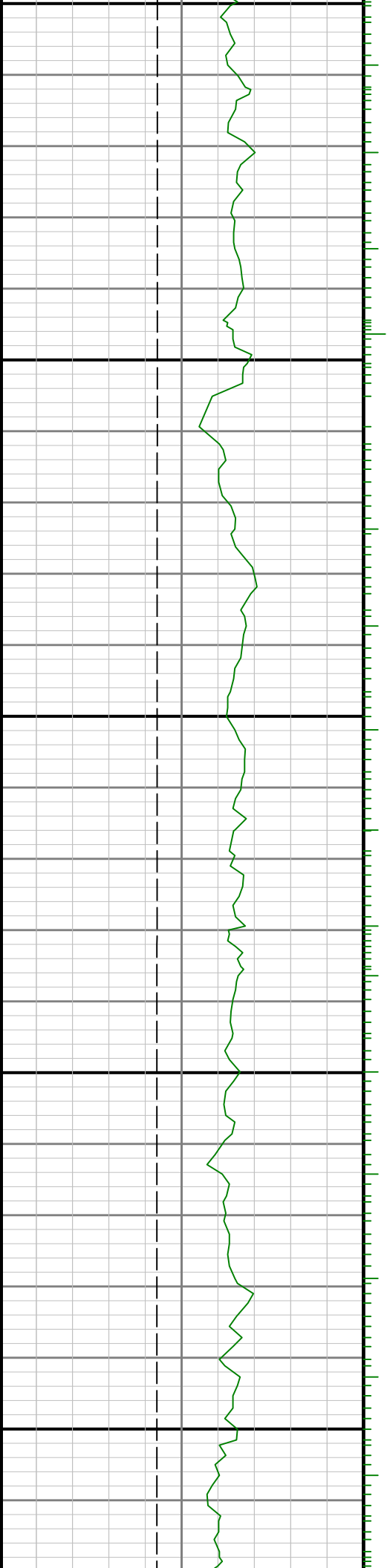
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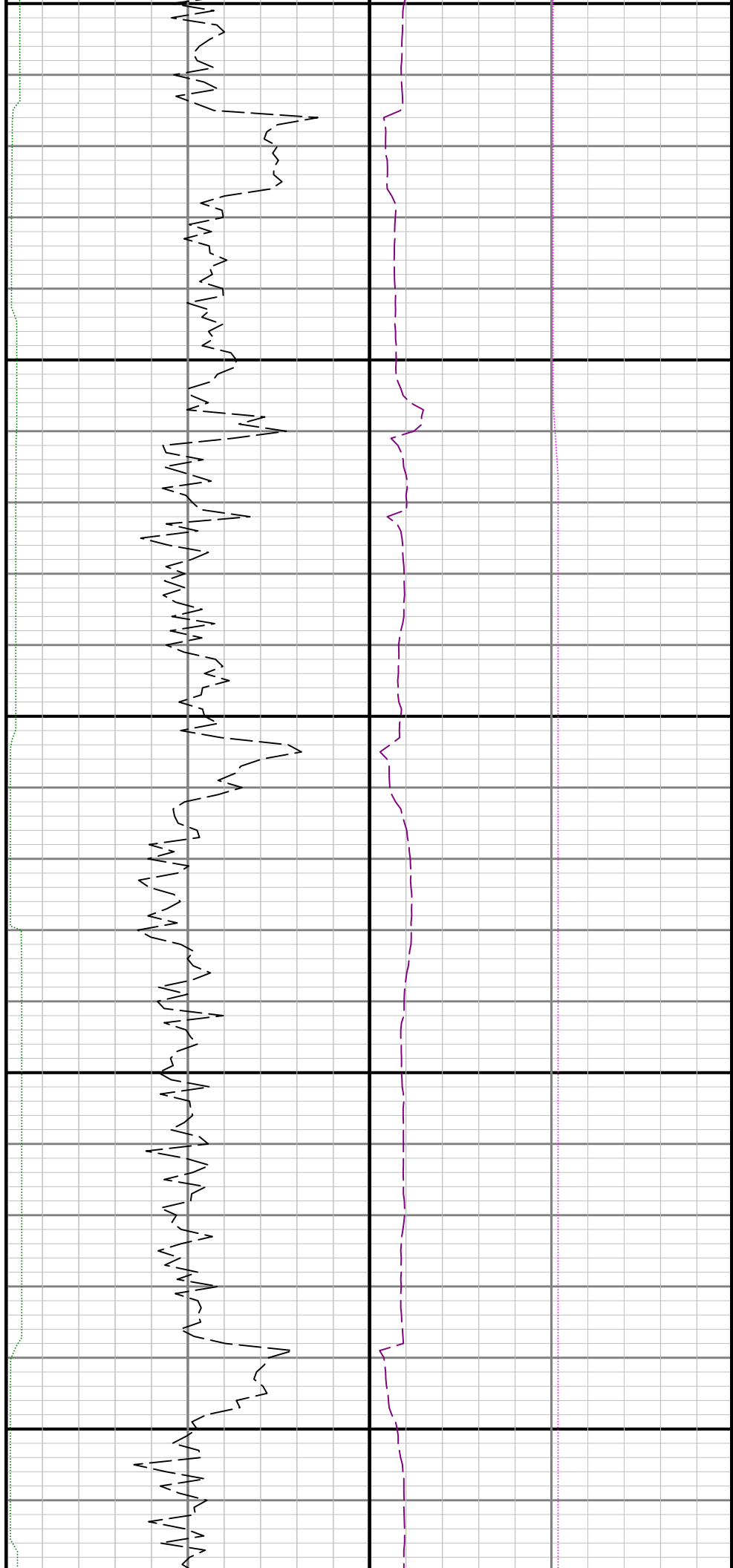


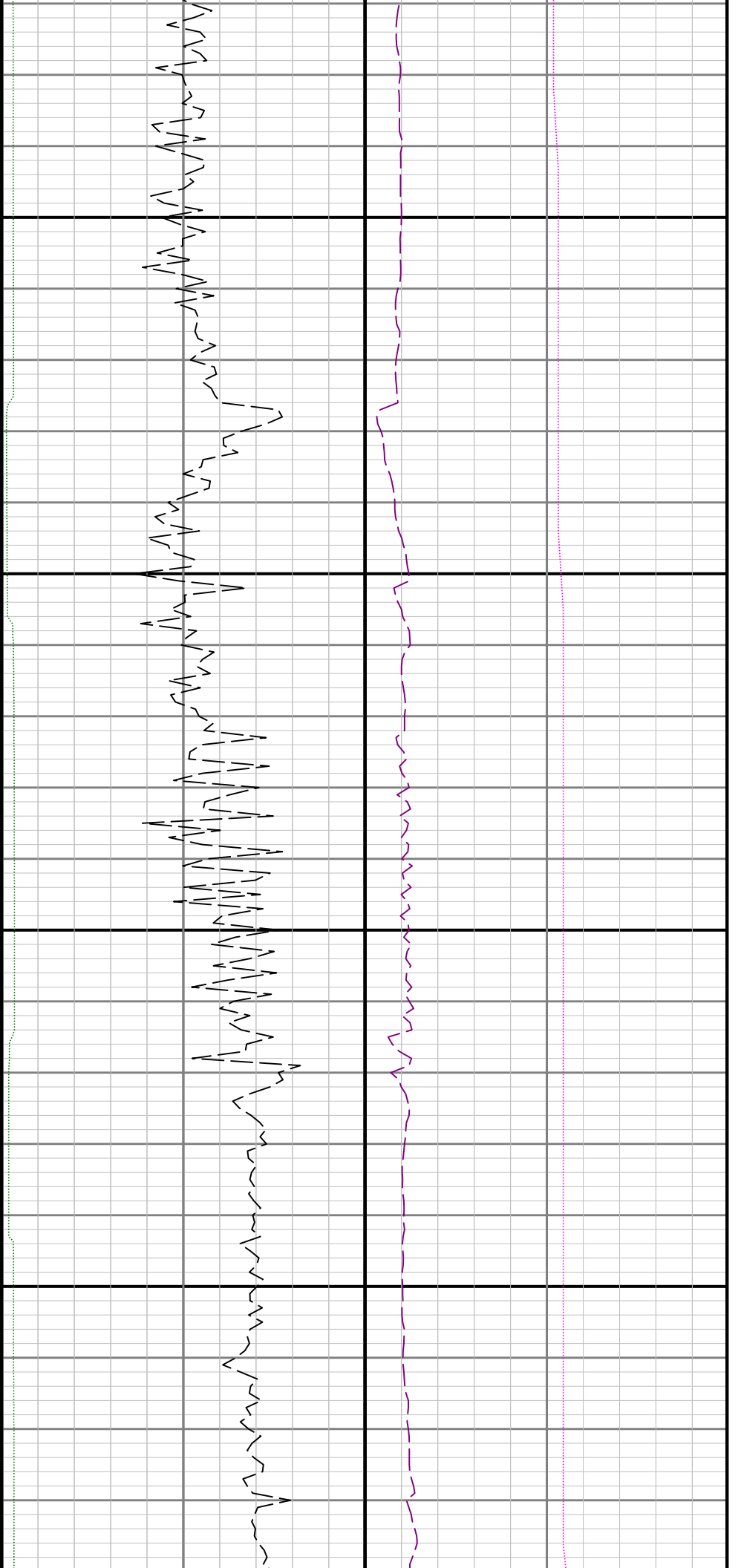


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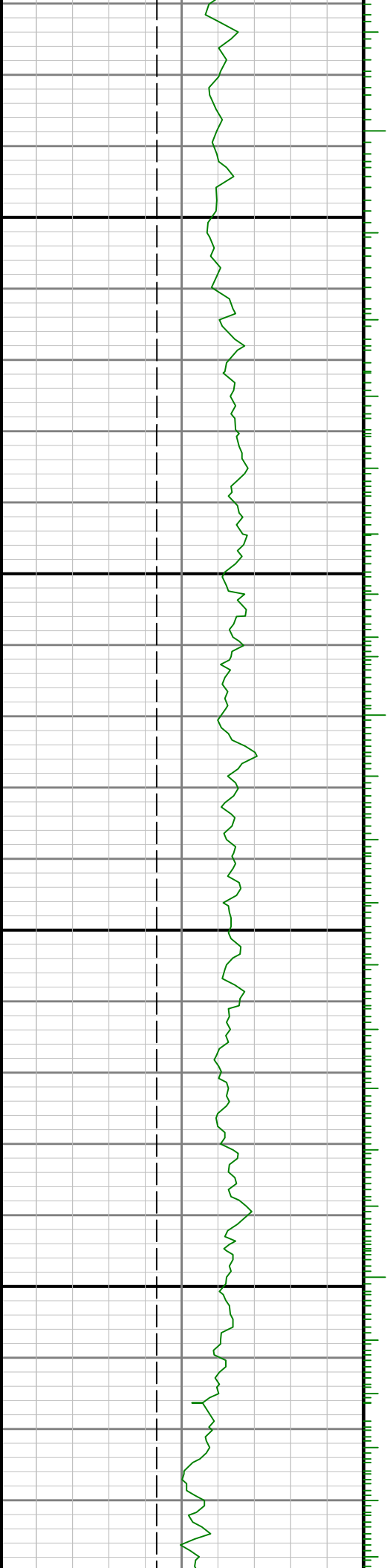
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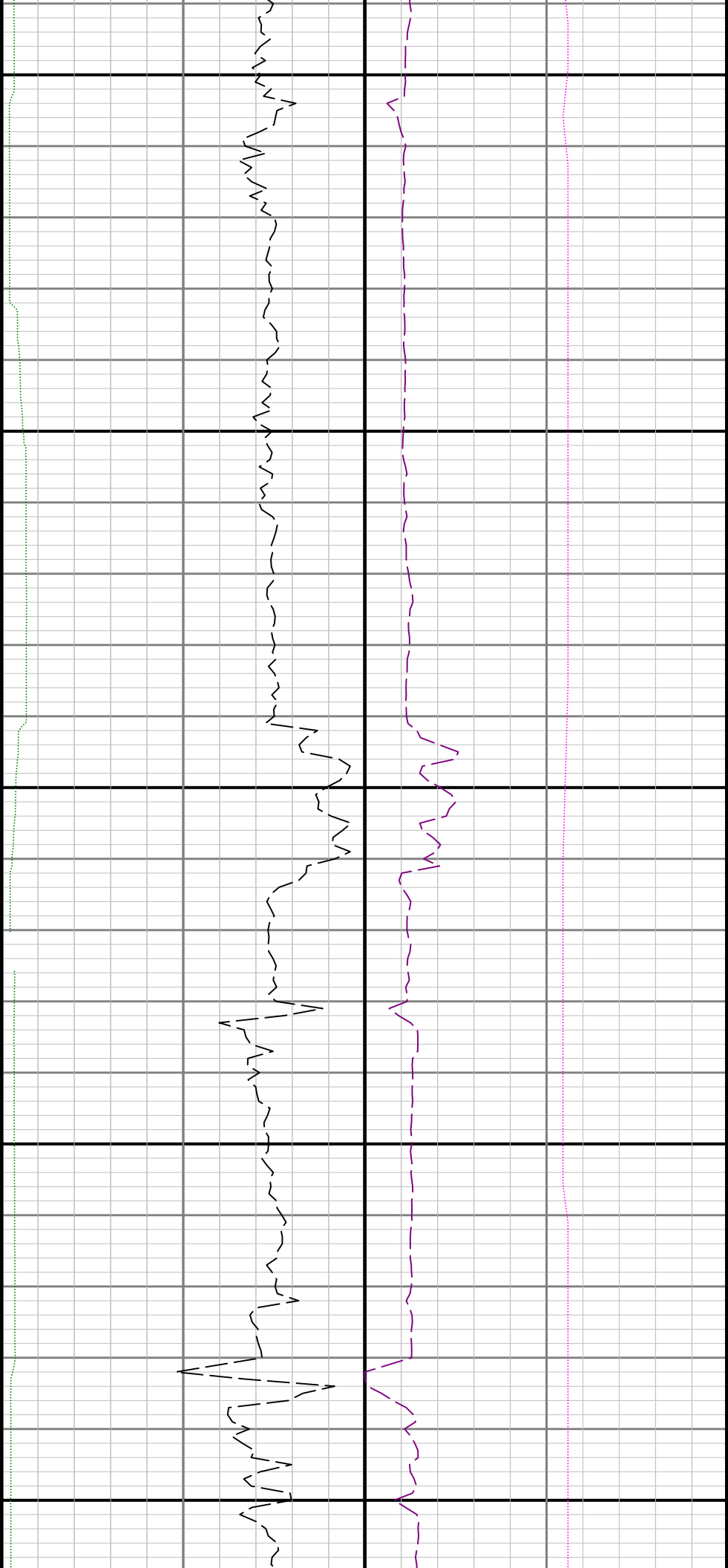




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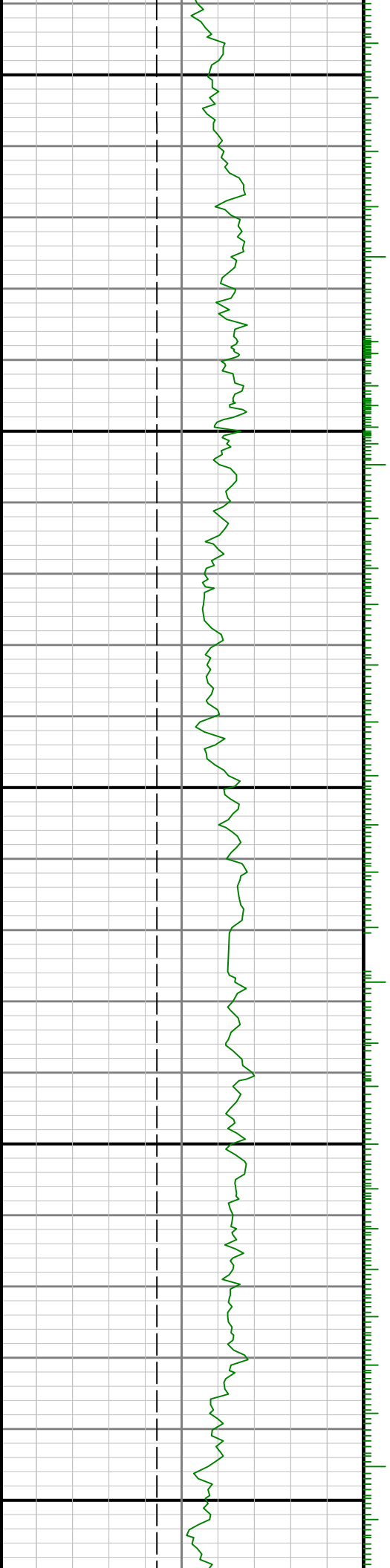
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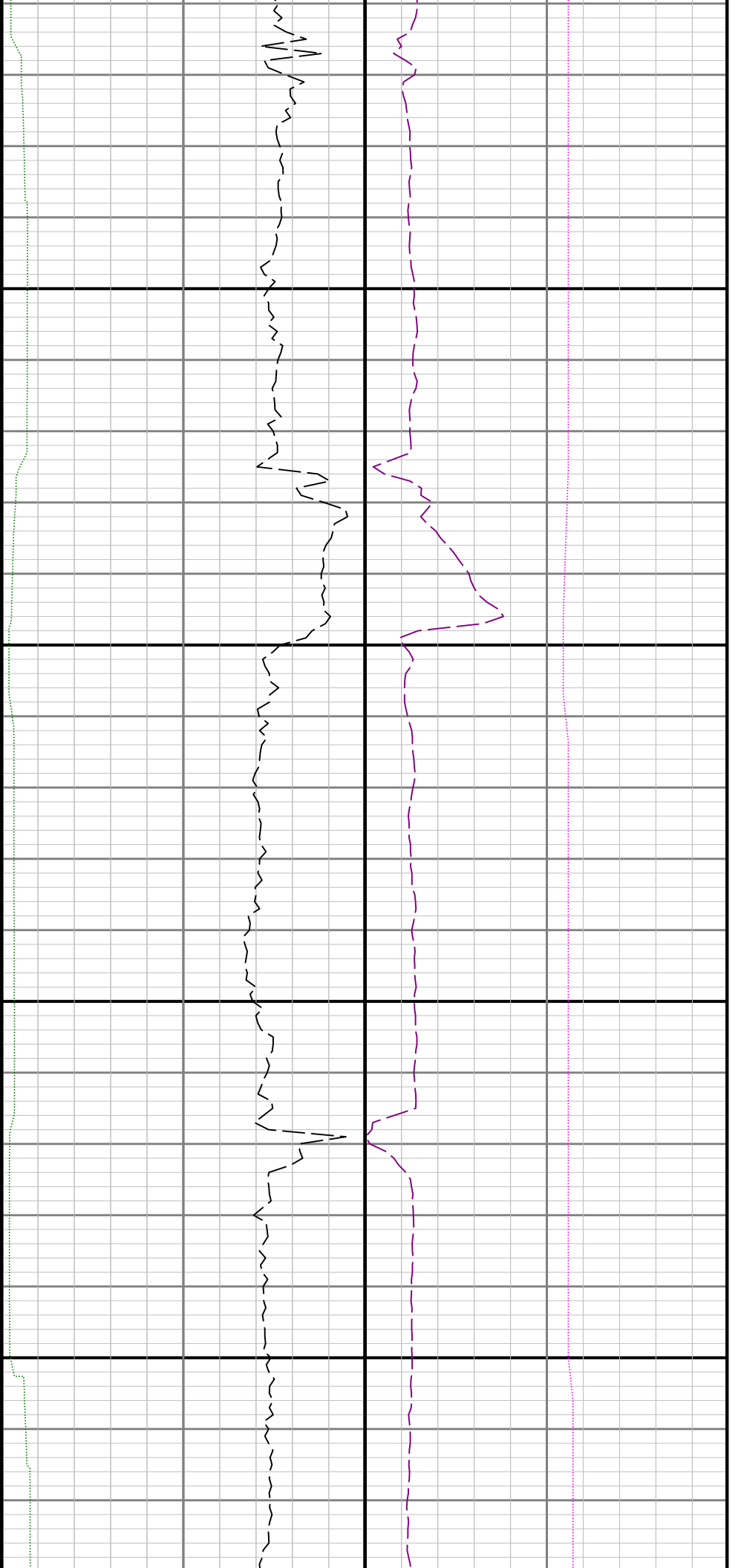




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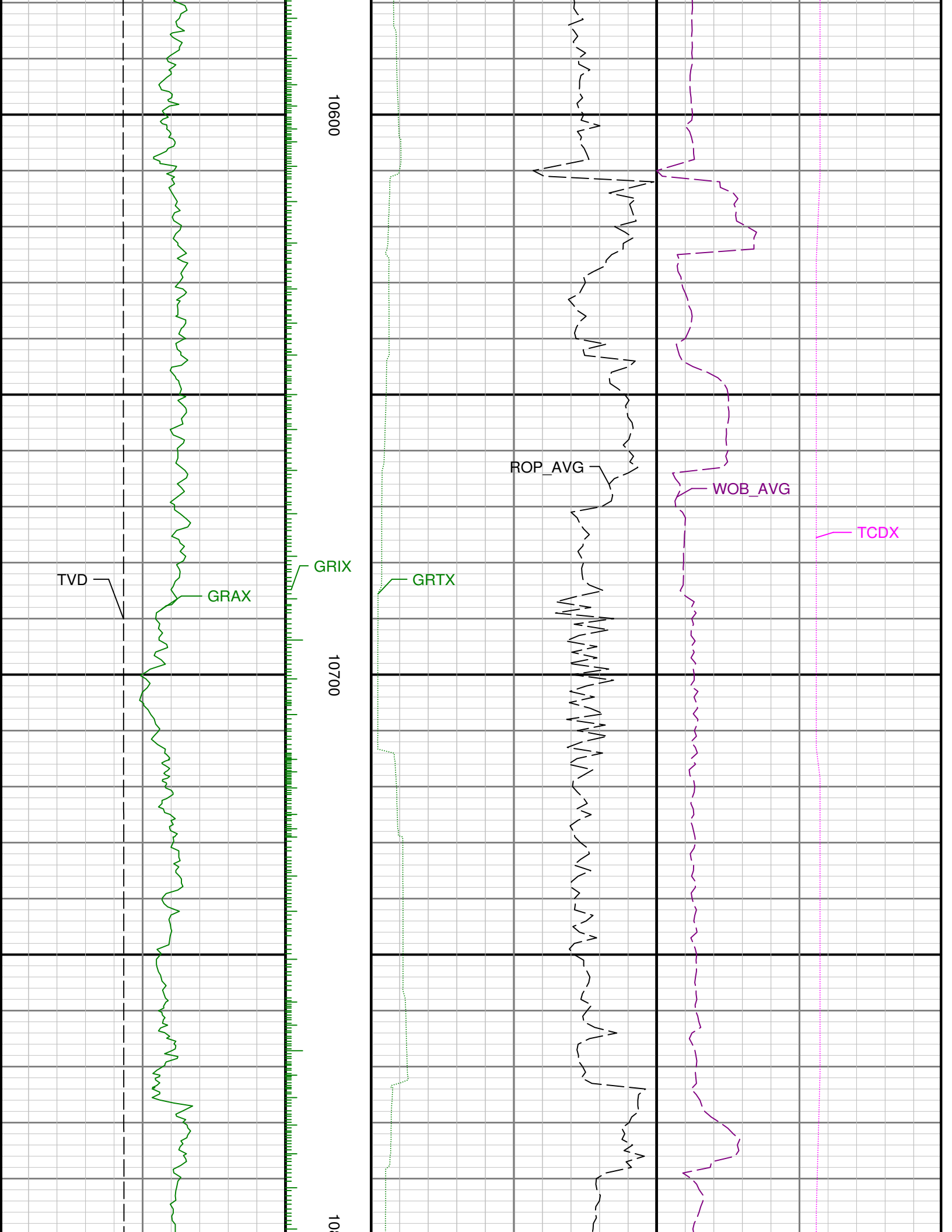
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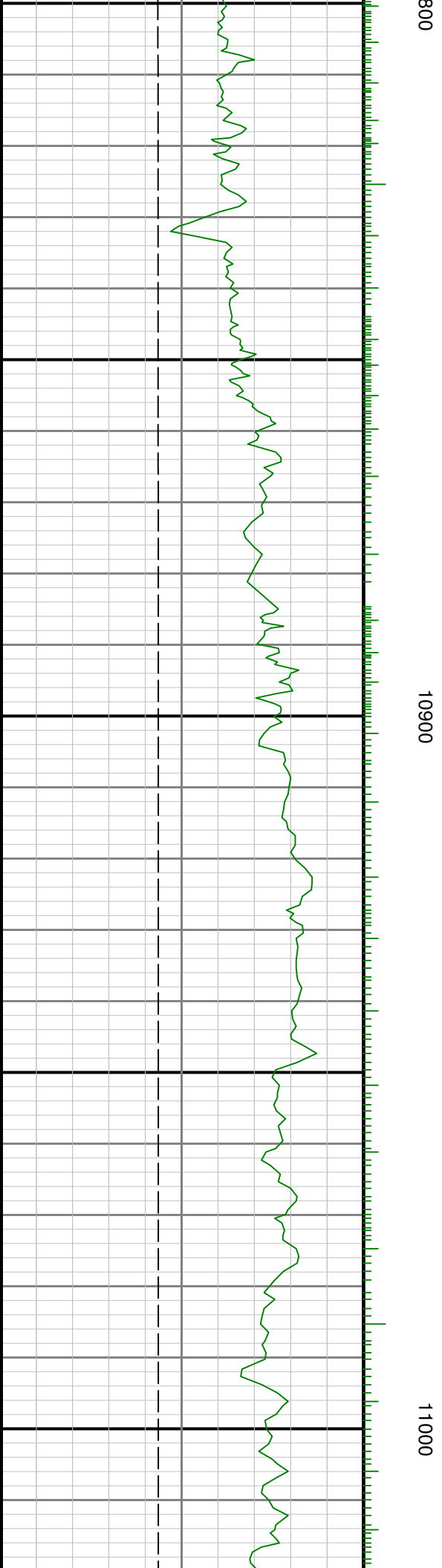
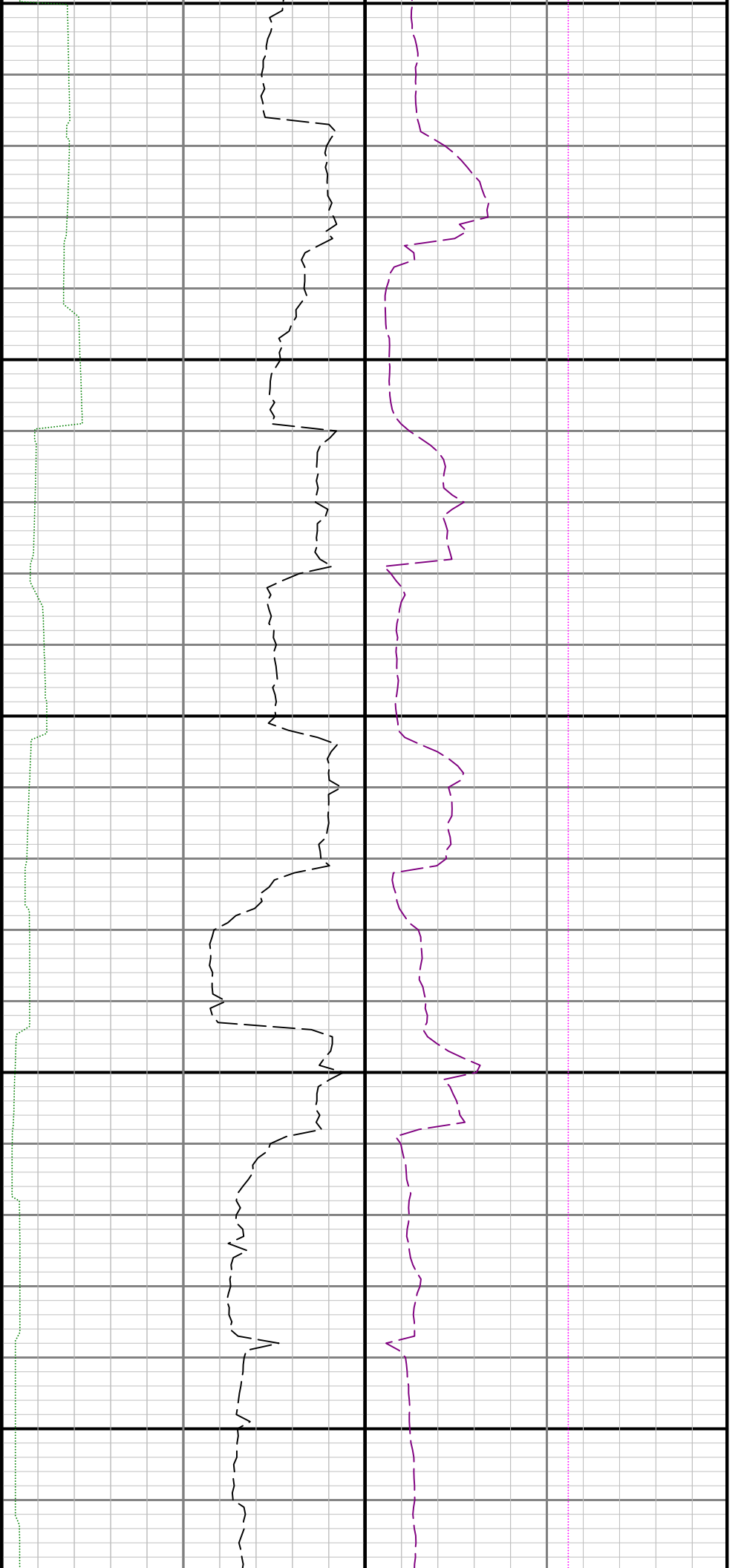


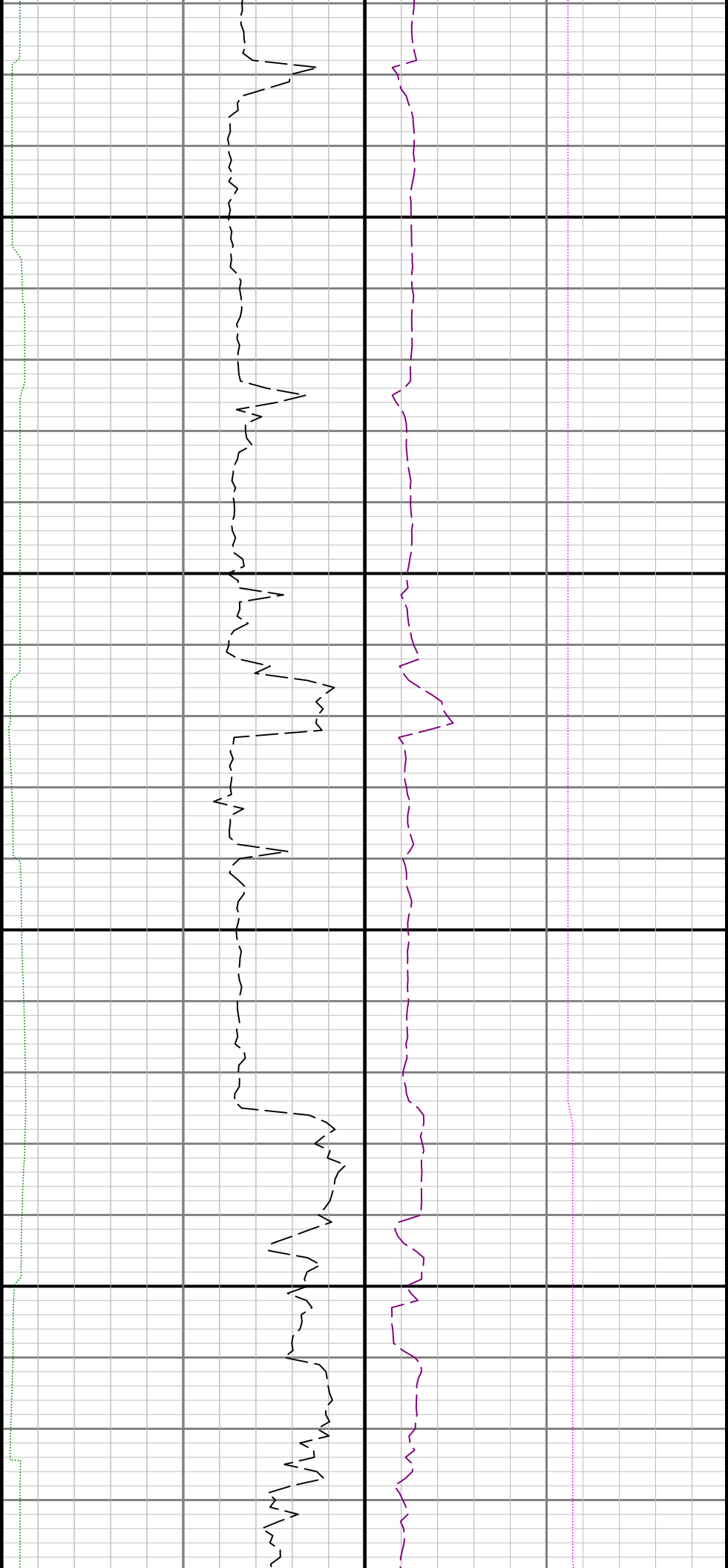


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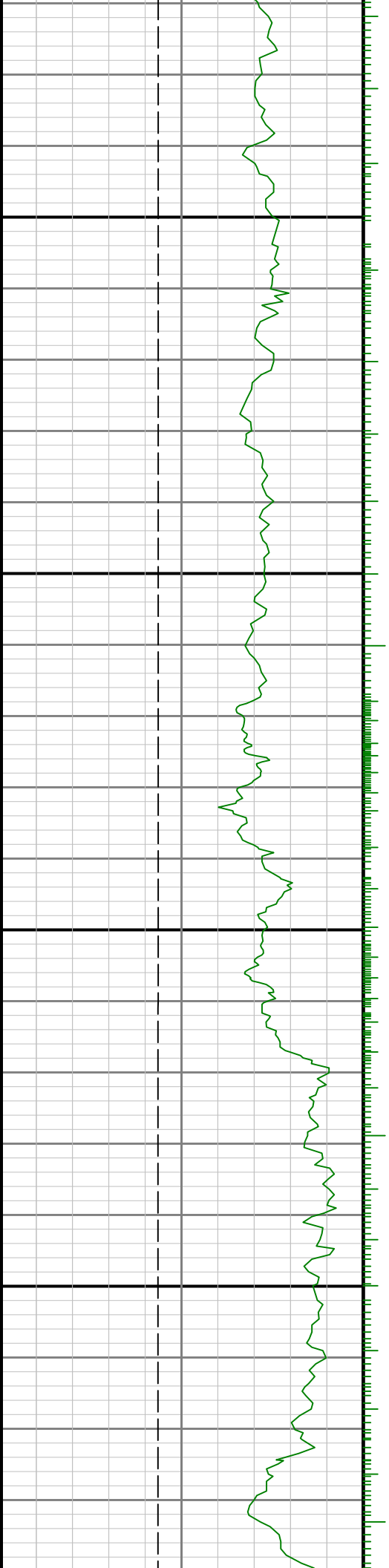


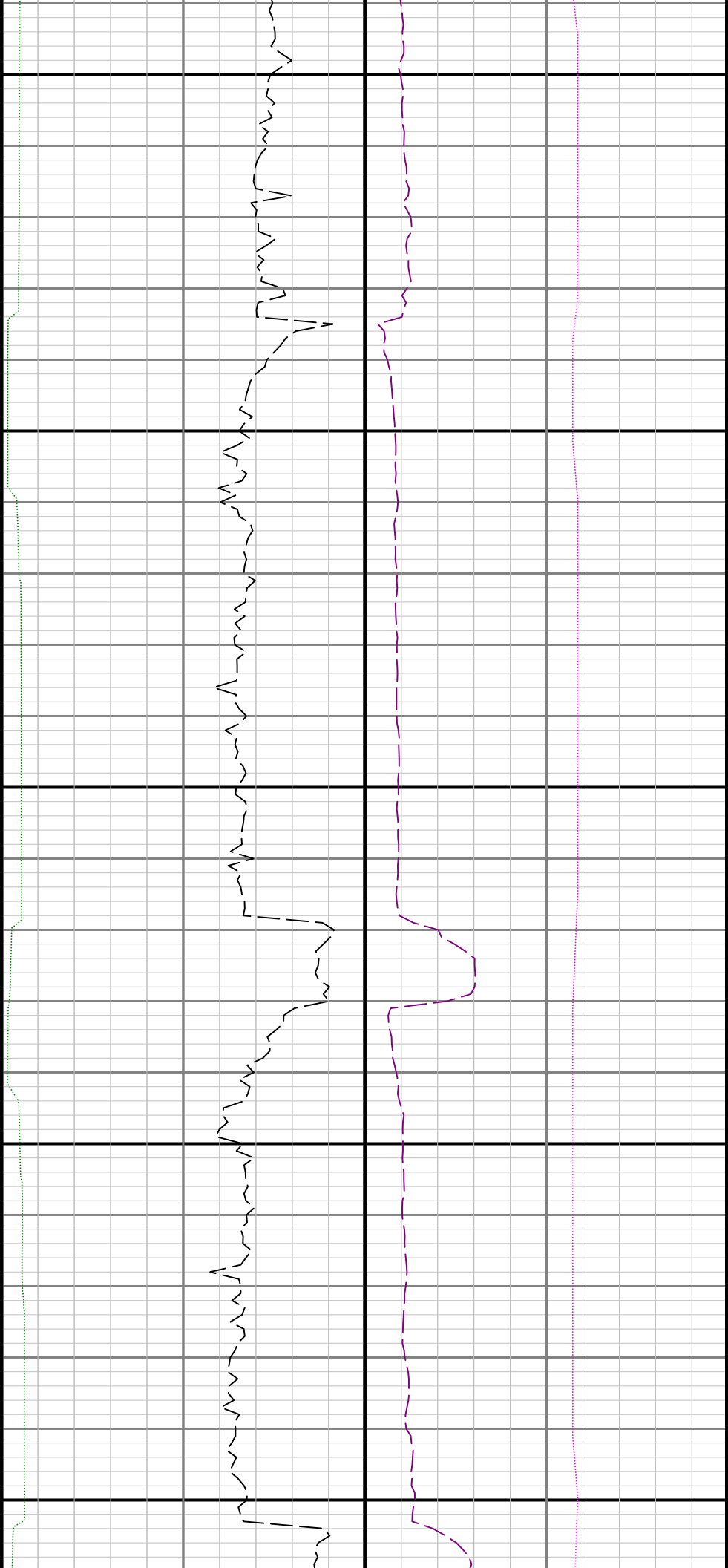




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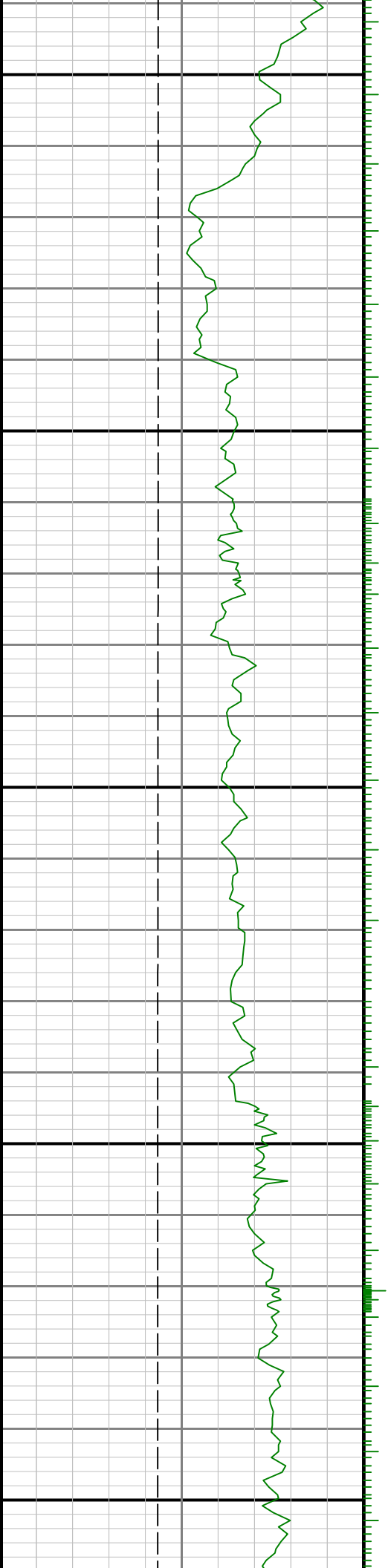
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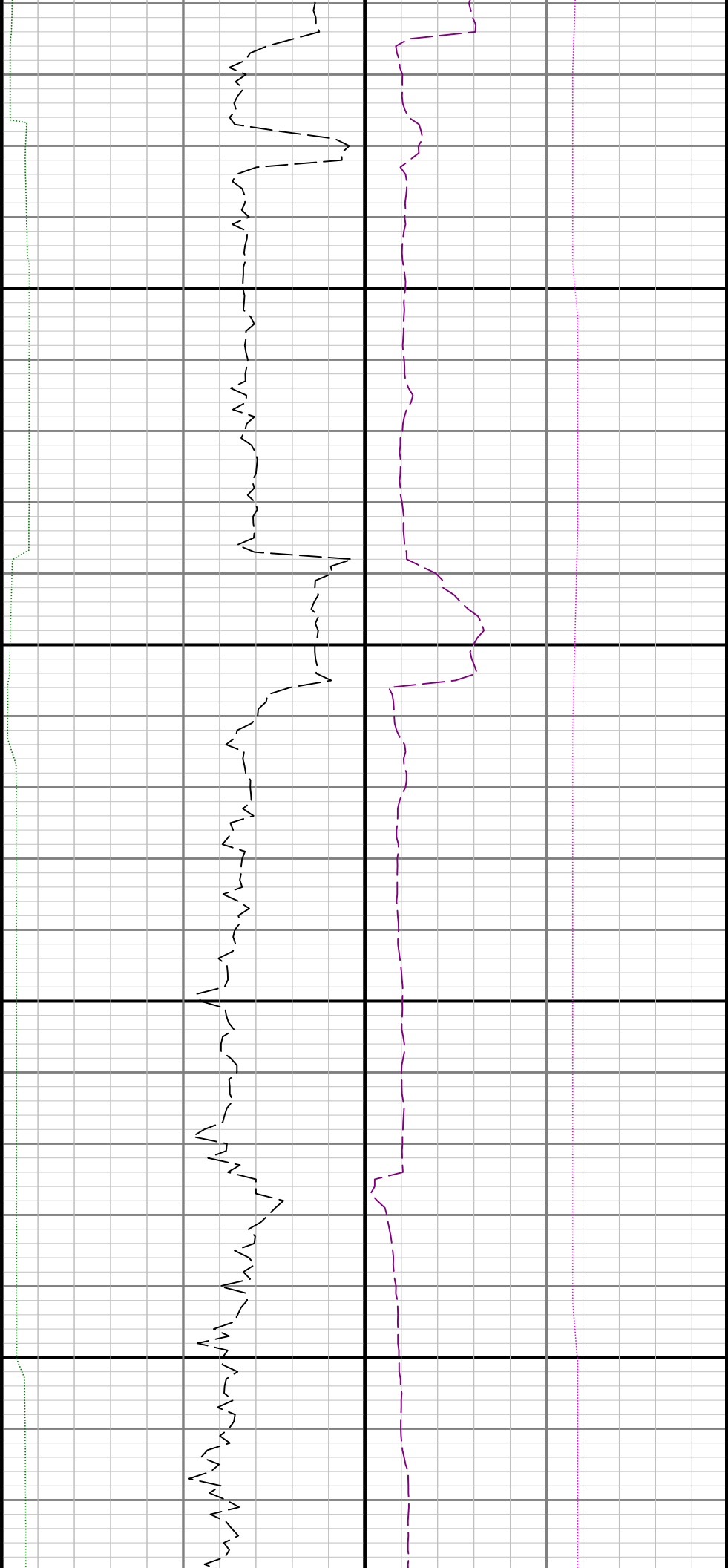


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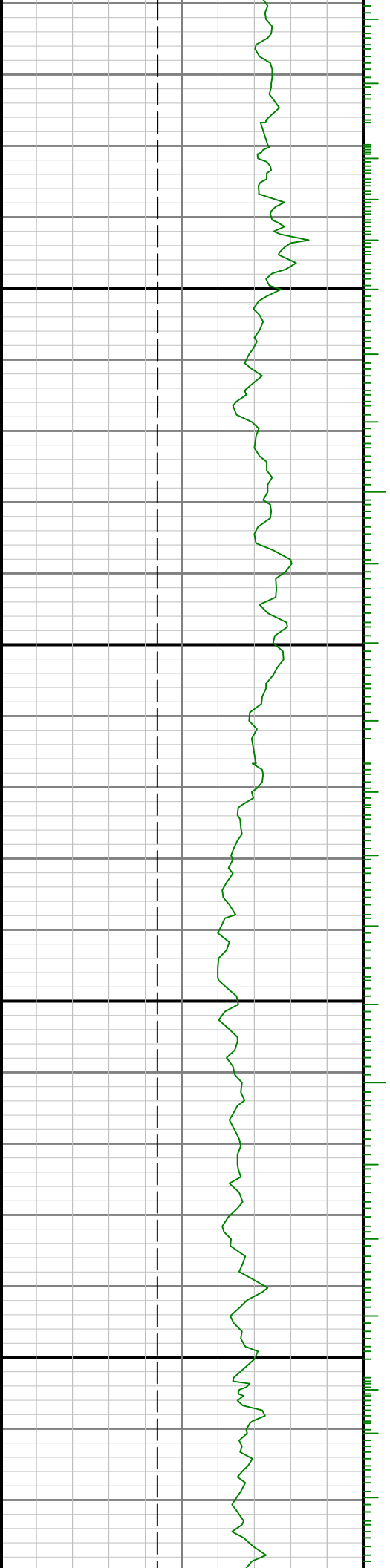


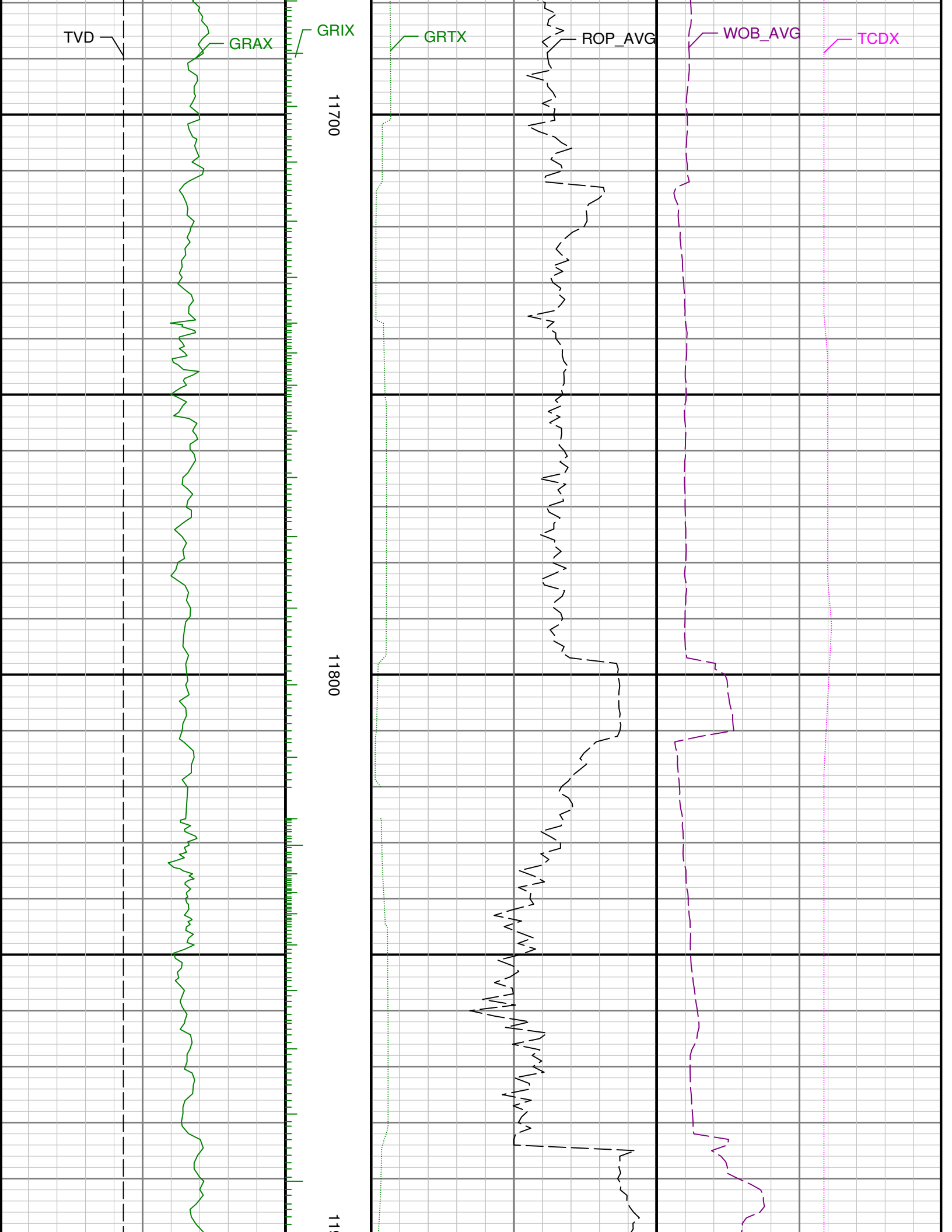


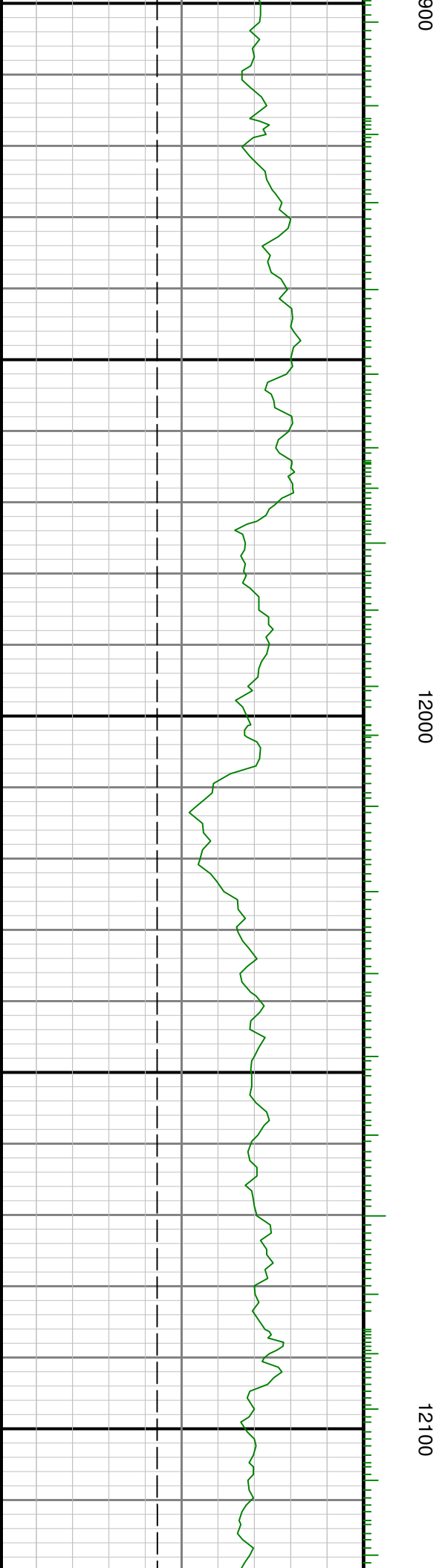
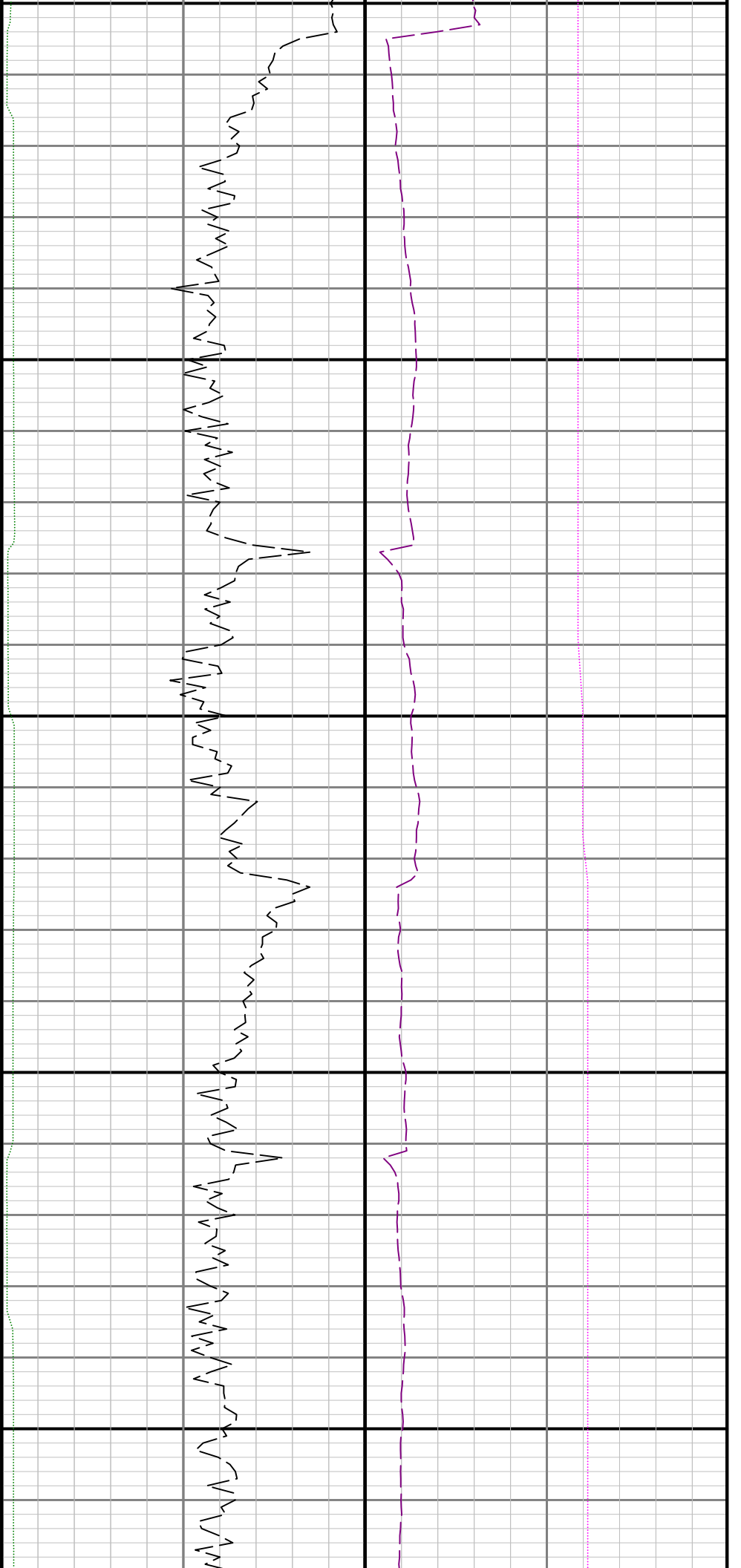


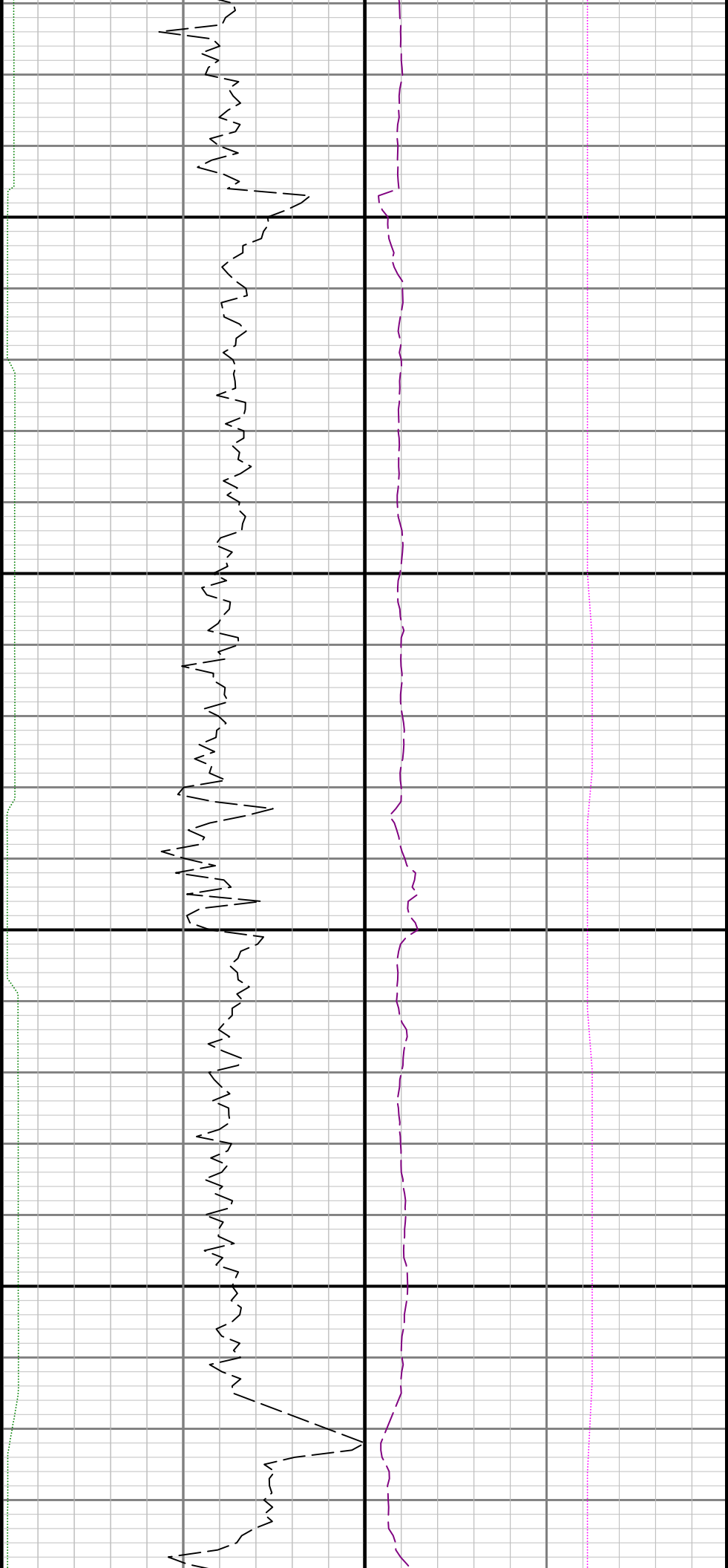
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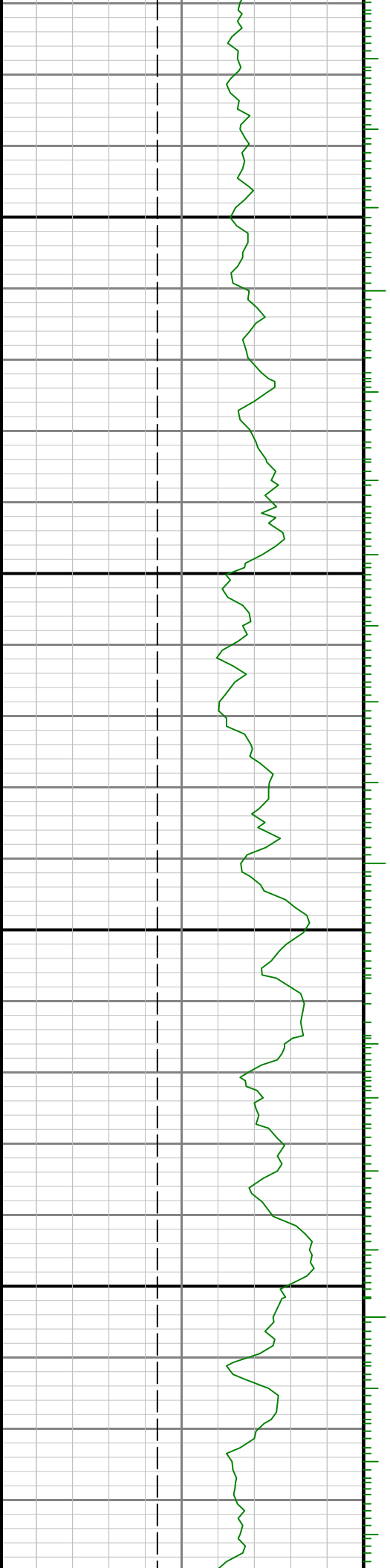


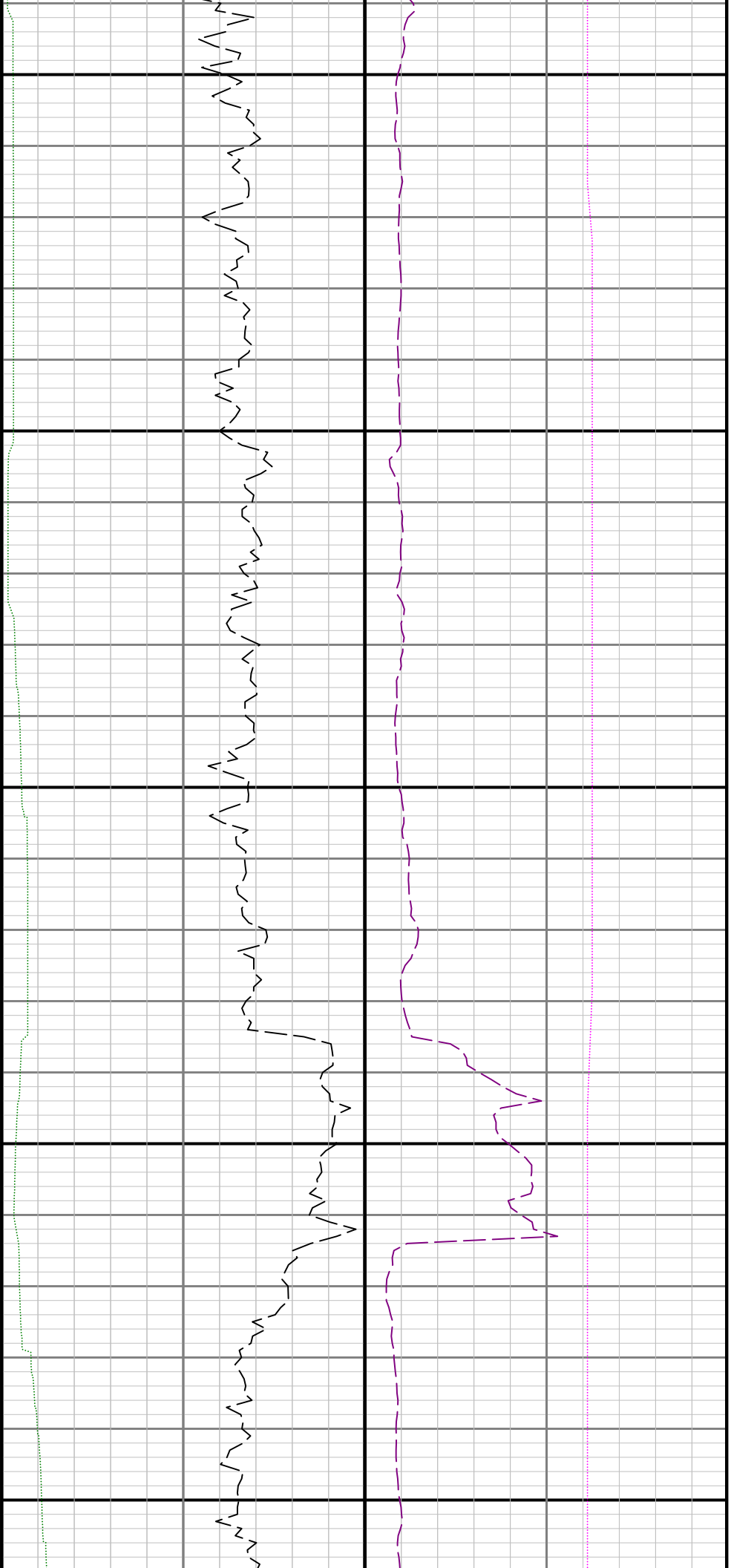




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