

Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite
John Moisan	2018-03-22	2018-03-23	John Bryson	2018-05-17	2018-05-21			

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+ (%)
2018-03-22 05:40	1	20.00	Water Based Mud	8.4	1	N/A	N/A	0/100	Flow Line	800	0.00
2018-05-18 02:00	2	1814.00	Diesel-Oil Based Mud	9.5	20	N/A	28.0	83/17	Suction	30000	0.00
2018-05-18 16:00	2	5782.00	Diesel-Oil Based Mud	9.3	15	N/A	4.2	85/15	Suction	28000	0.00
2018-05-19 04:00	2	7460.00	Diesel-Oil Based Mud	9.7	19	N/A	4.4	85/15	Suction	28000	0.00
2018-05-19 16:00	3	7763.00	Diesel-Oil Based Mud	9.7	18	N/A	4.4	85/15	Suction	28000	0.00
2018-05-20 16:00	3	13248.00	Diesel-Oil Based Mud	9.5	17	N/A	4.2	84/16	Suction	30000	0.00

Equipment and Service Data

Run No.	Tool	Serial Number	Measurement	Sensor Offset (ft)	Bit Offset (ft)	Max O.D. (in)	Min I.D. (in)
1	Sensor Sub	ZAPS230949	VSS	12.17	61.94	8.000	3.250
1	Sensor Sub	ZAPS230949	Directional (mag)	12.17	61.94	8.000	3.250
1	Sensor Sub	ZAPS230949	Pressure	32.77	82.54	8.000	3.250
2	ATC_SU	13867779	Near Bit Inclination	5.93	6.73	7.000	4.330
2	ATC_SU	13867779	Near Bit VSS	5.93	6.73	7.000	4.330
2	ATC_MWD	12141334	Gamma (single)	2.76	12.90	7.000	3.250
2	ATC_MWD	12141334	Directional (mag)	12.27	22.41	7.000	3.250
3	ATC_SU	12252539	Near Bit Inclination	5.93	6.73	7.000	4.330
3	ATC_SU	12252539	Near Bit VSS	5.93	6.73	7.000	4.330
3	ATC_MWD	12049472	Gamma (single)	2.74	12.90	7.000	3.250
3	ATC_MWD	12049472	Directional (mag)	12.27	22.43	7.000	3.250

Service and Tool Mnemonics

Mnemonic	Name	Description
GAM	APS	APS EM Module
ATC_SU	ATC_SU	Auto Trak Curve Steering Unit
ATC_MWD	ATC_MWD	Auto Trak Curve MWD
ATC_LCPM	ATC_LCPM	Auto Trak Curve LCPM

Comments

1	Depth measurements obtained from a depth control system not supplied or operated by Baker Hughes. Due to lack of control by Baker Hughes logging engineers, depth calibrations and measurements could not be independently verified.
2	Baker Hughes LWD Run 1 utilized 8 inch APS EM Services (Directional only) behind a 13 1/2 inch bit and steerable assembly from surface to 1814 feet MD (surface to 1813 feet TVD). No logging data was acquired during this run.
3	Baker Hughes LWD Runs 2 and 3 utilized 6 3/4 inch NaviGamma services (Gamma Ray and Directional) behind an 8 1/2 inch bit and rotary steerable assembly from 1814 to 15045 feet MD (1813 to 7127 feet TVD).
4	Gamma Ray Curve (GRAM) is presented 0 to 300 API per customer request.



Remarks

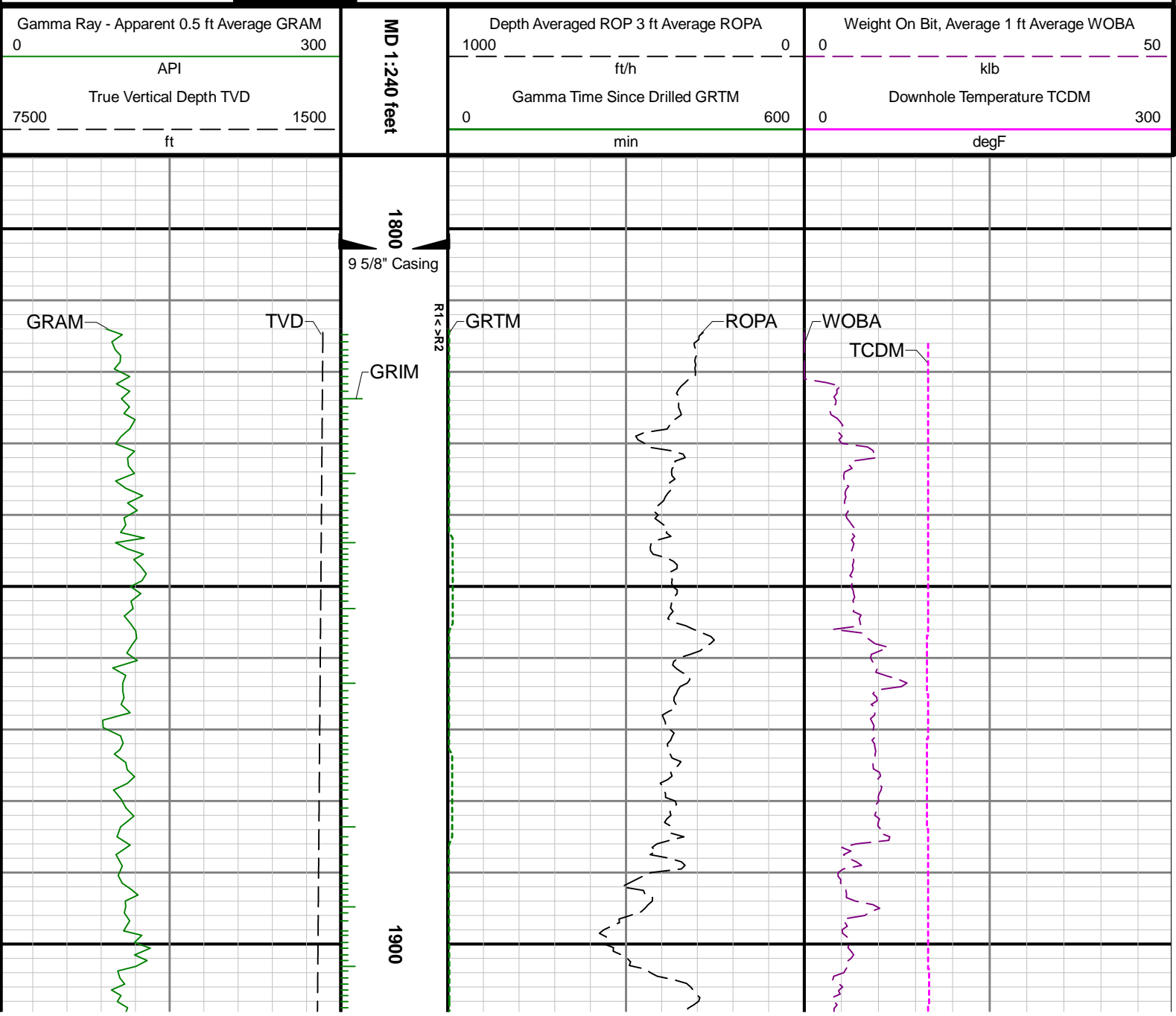
Number	Measured Depth (ft)	Hole Section (in)	Run No.	Remark
1	5198.00	8.500	2	The interval from 5198 to 5234 feet MD (5189 to 5225 feet TVD) has missing Gamma data due to an issue with the logging software and WITS.
2	7750.00	8.500	3	The interval from 7750 to 7763 feet MD (7166 feet TVD) was logged up to 12.4 hours after being drilled due to a trip out of the hole for a new bit and motor.

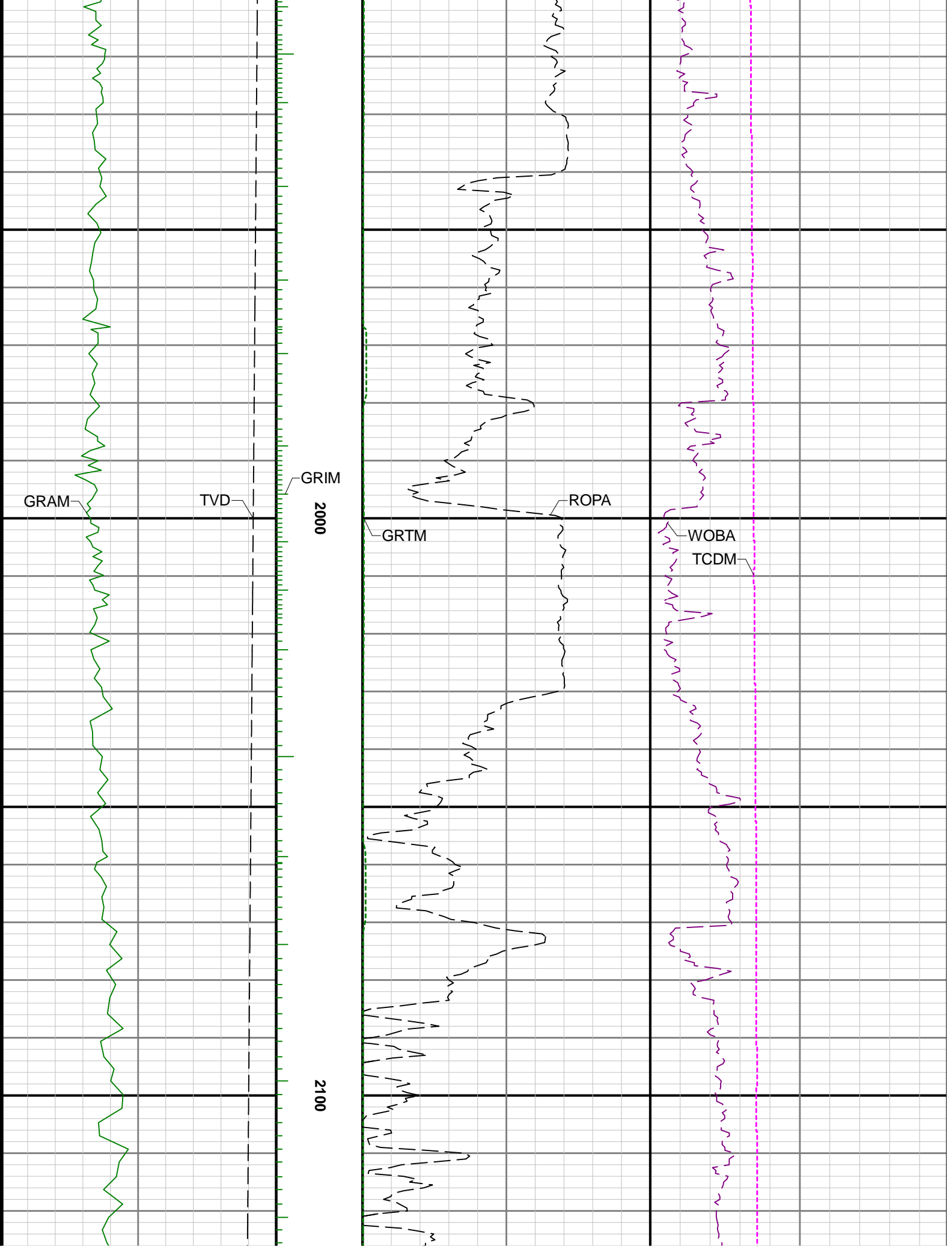
3	15032.00	8.500	3	The interval from 15032 to 15045 feet MD (7127 feet TVD) was not logged due to sensor to bit offset at well TD.
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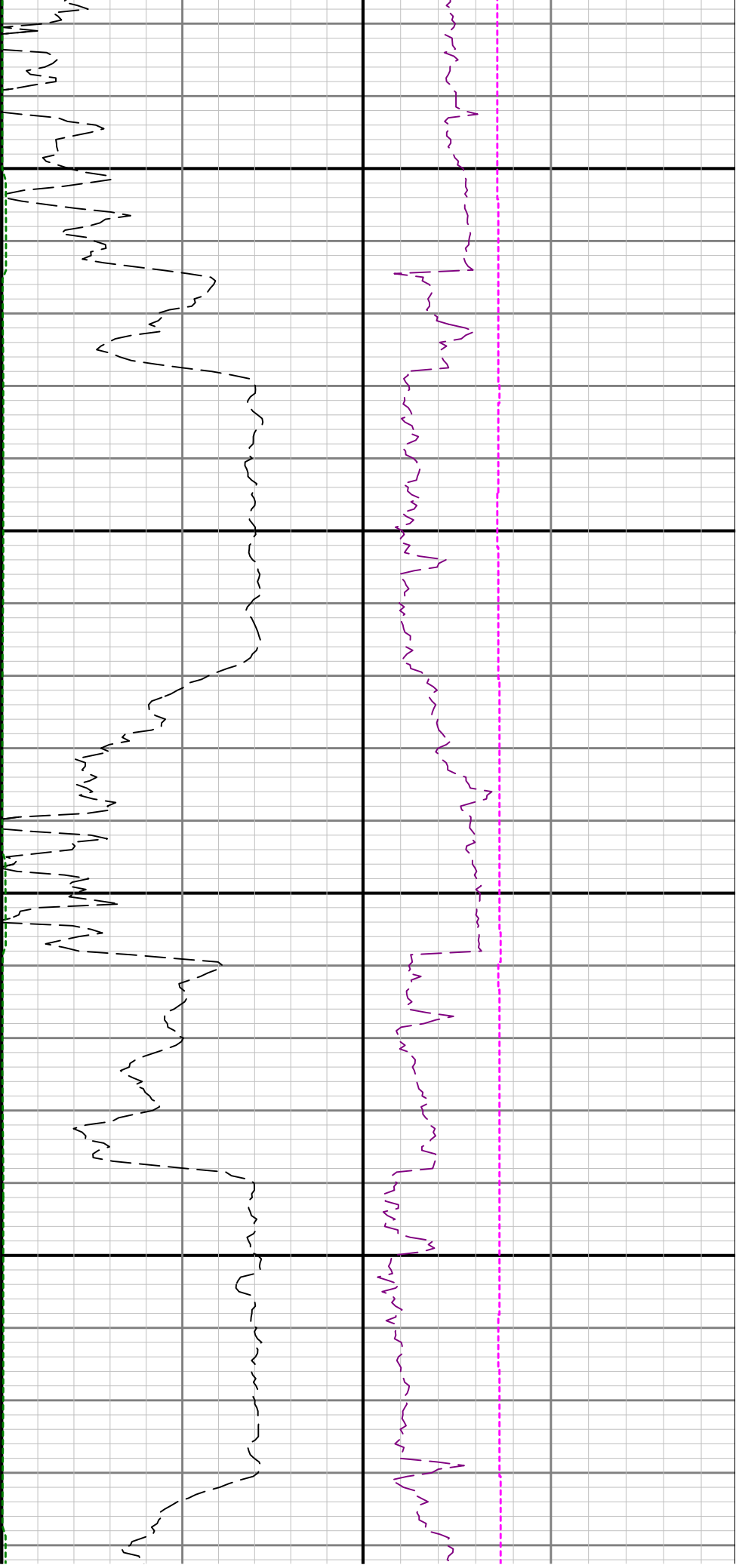
Curve Mnemonics

Presented Curves	Description	Units
ROPA	Depth Averaged ROP 3 ft Average	ft/h
TVD	True Vertical Depth	ft
WOBA	Weight On Bit, Average 1 ft Average	klb
GRAM	Gamma Ray - Apparent - Memory 0.5 ft Average	API
GRIM	Gamma Ray - Data Point Indicator - Memory	unitless
GRTM	Gamma Ray - Time Since Drilled - Memory	min
TCDM	Downhole Temperature	degF

 	Company	SRC Energy			
	Well	Harvesters State 5N-16C-M			
	Interval	Date From:	2018-05-18 02:32:02	Top:	1814.00
		Date To:	2018-05-20 18:42:11	Bottom:	15045.00
	Created	2018-05-21 13:31:18			

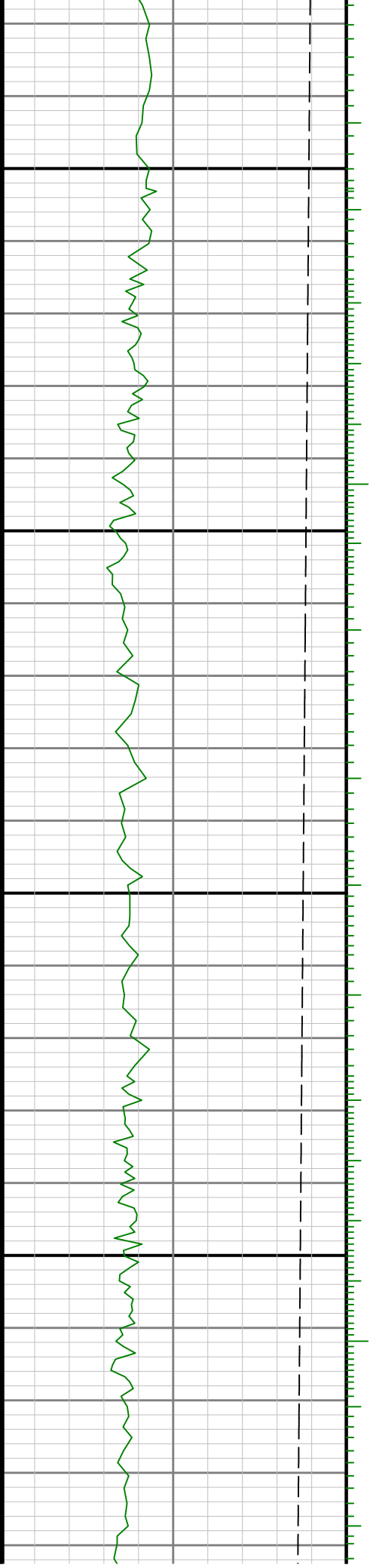


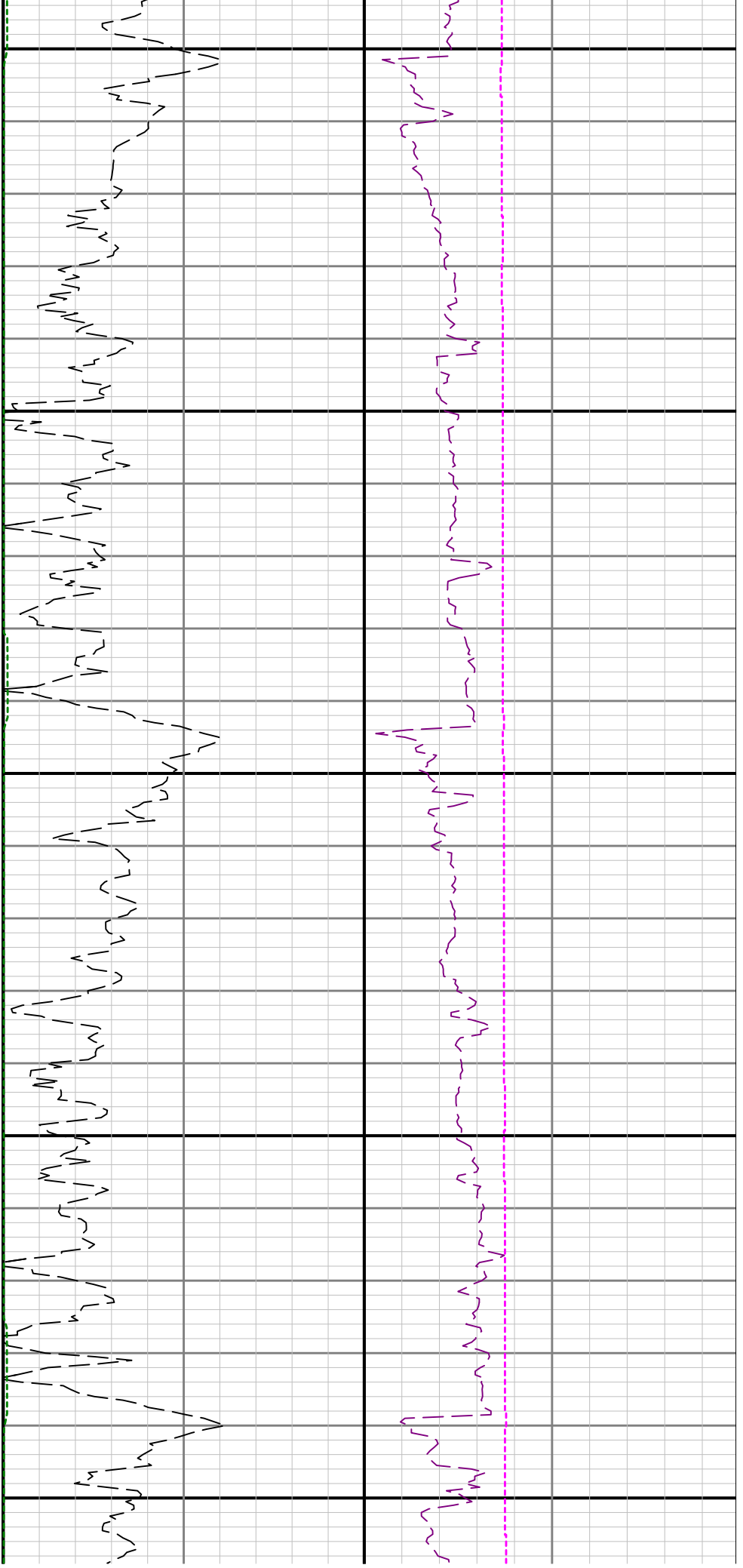




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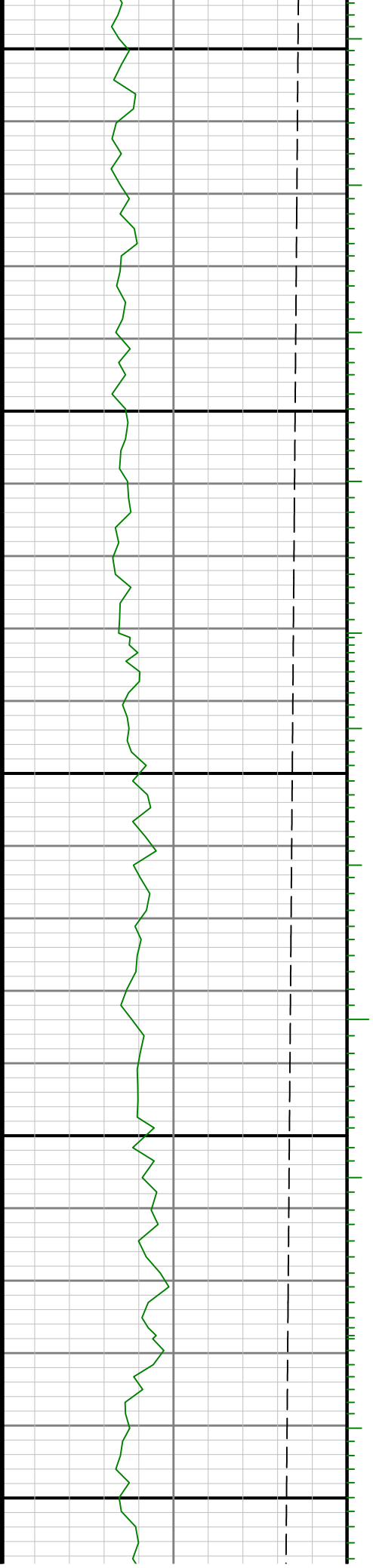
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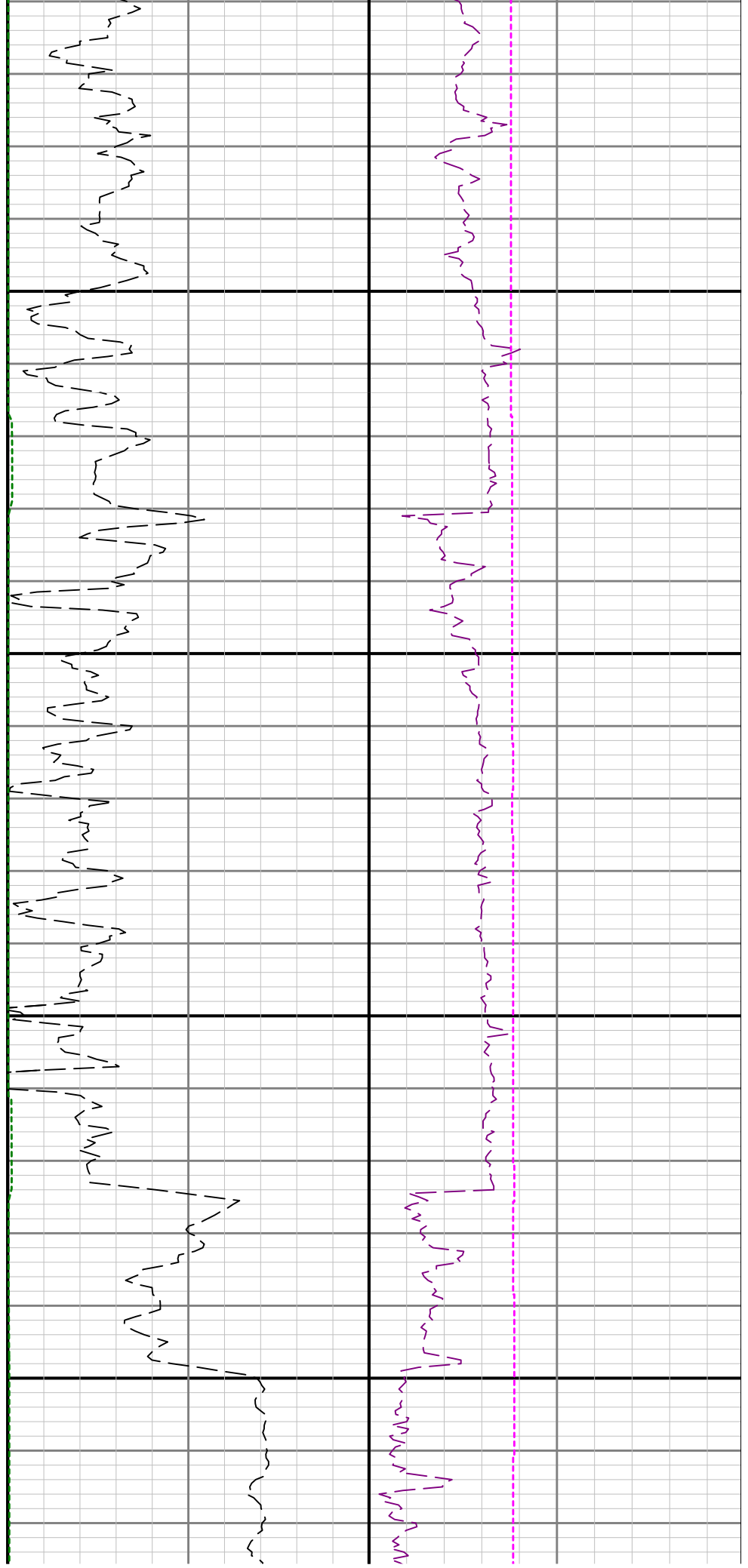




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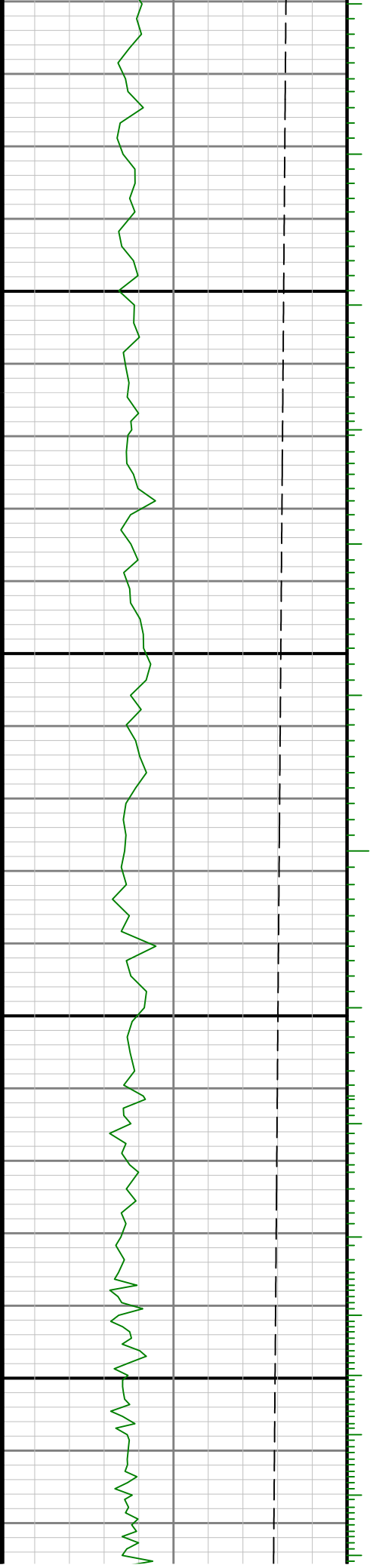
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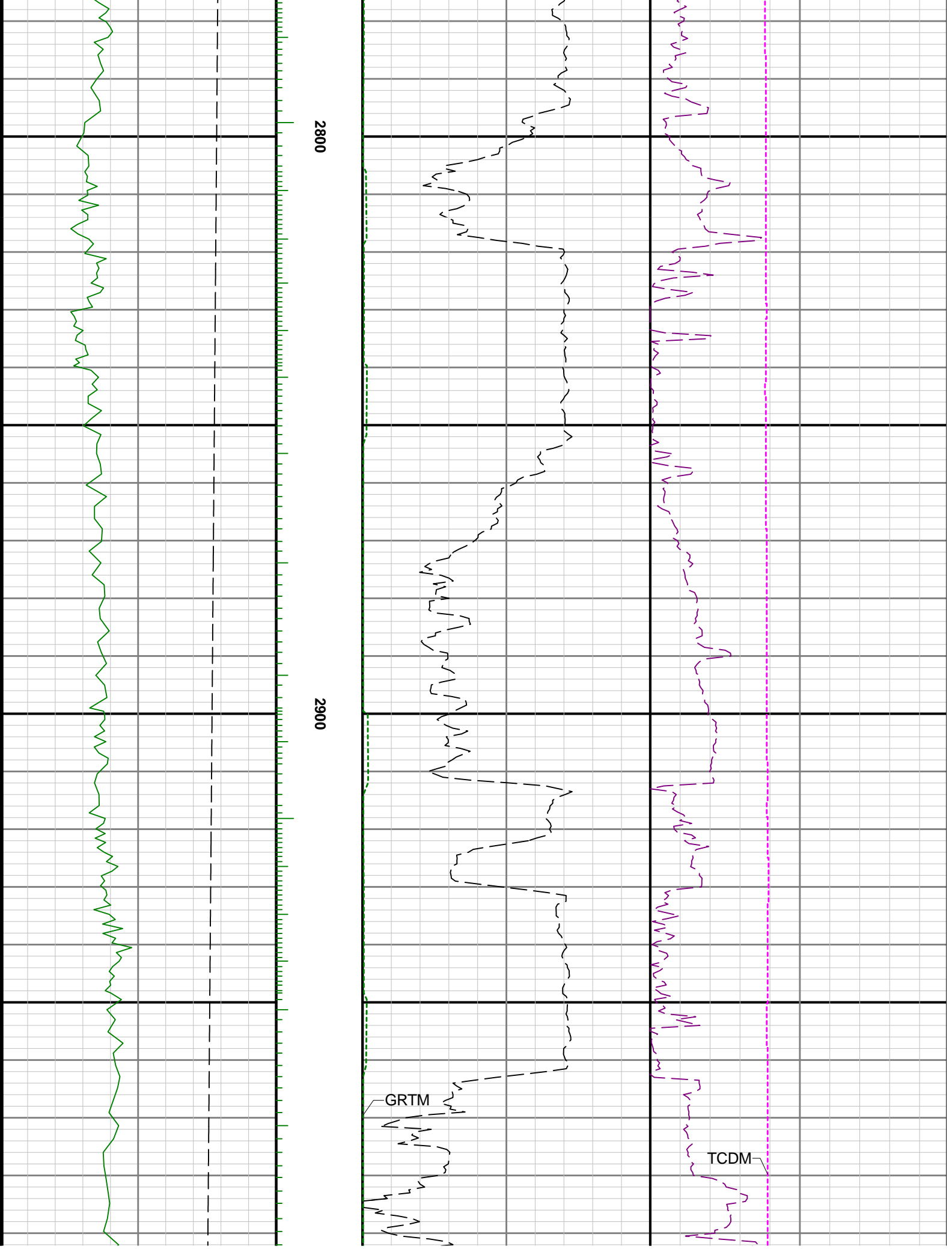


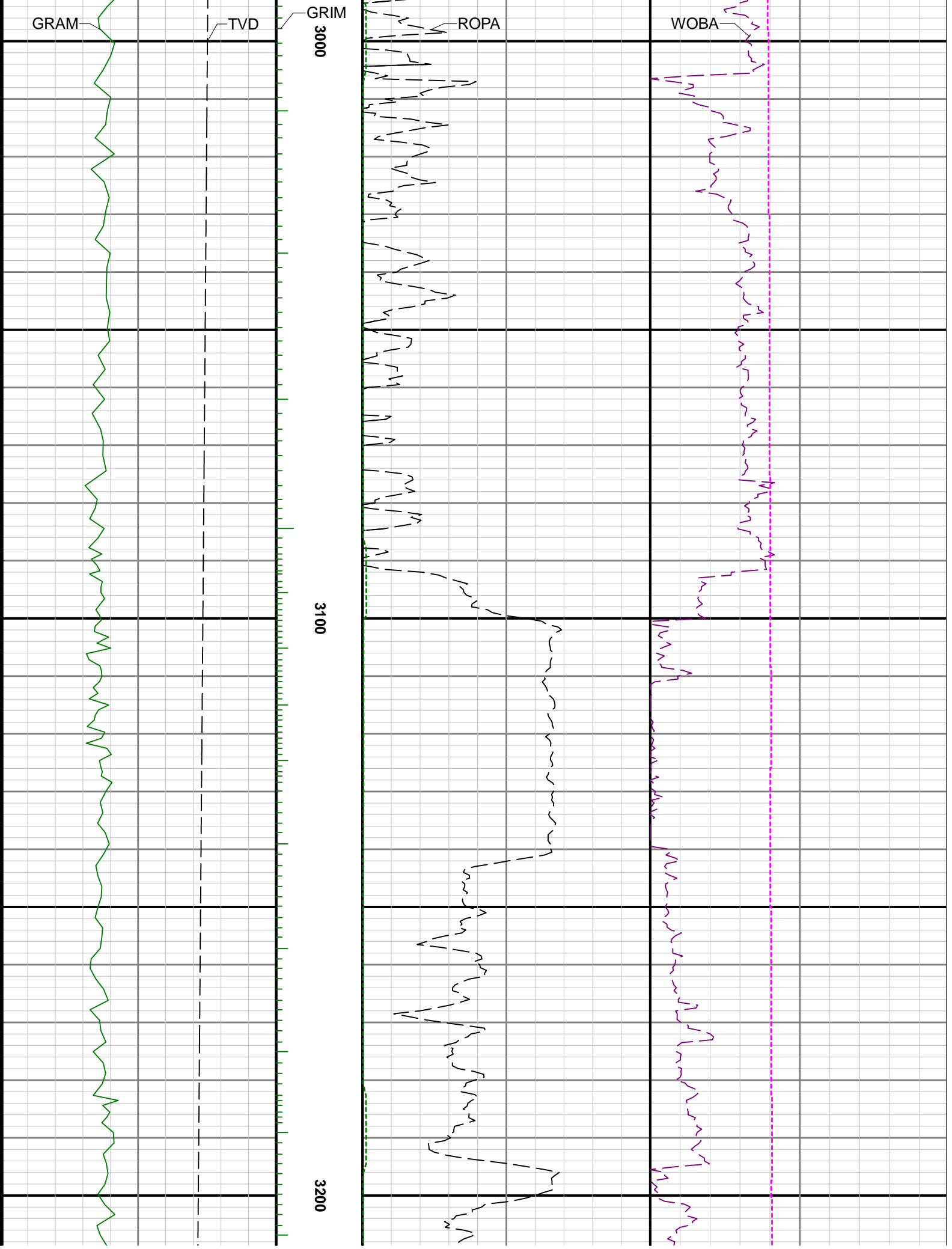


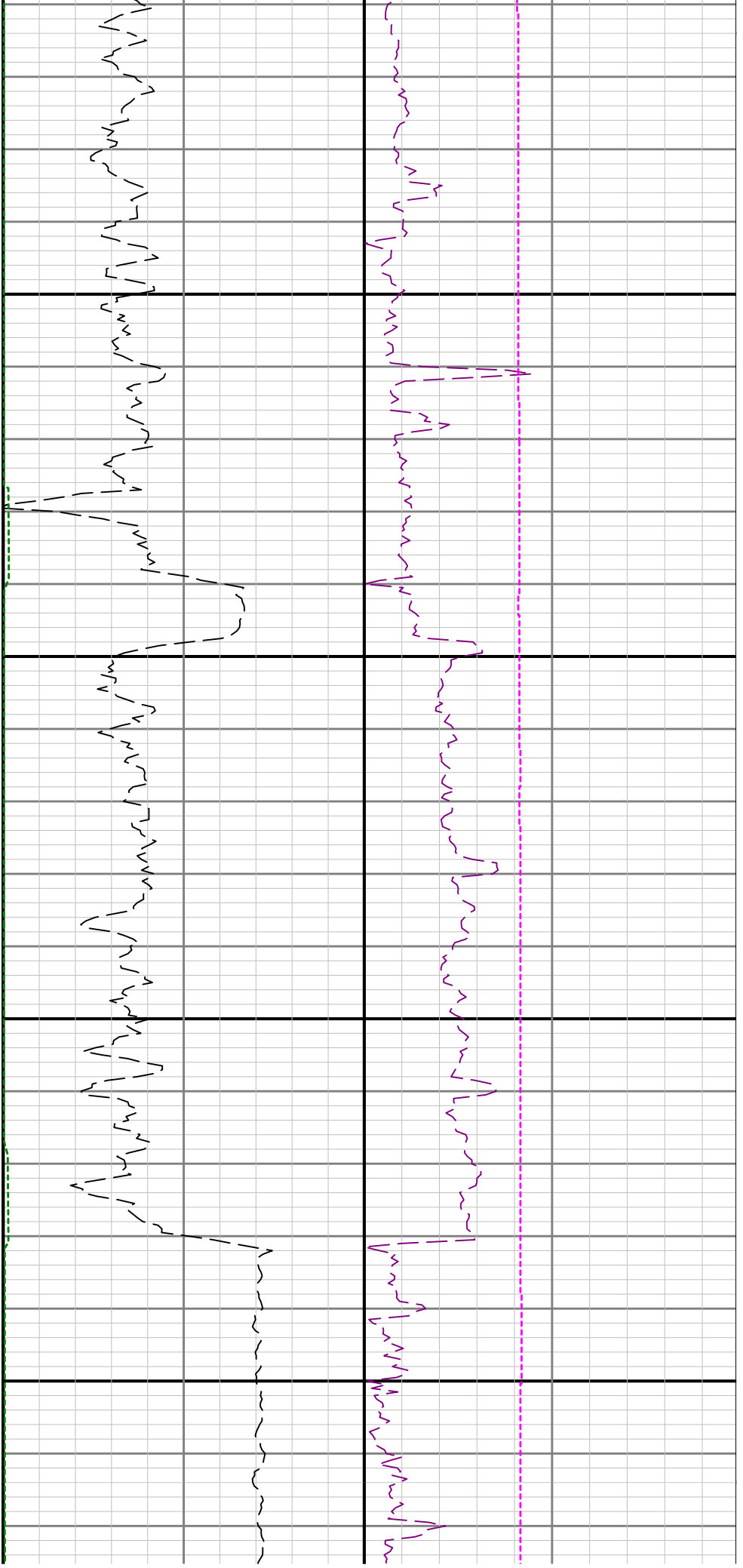
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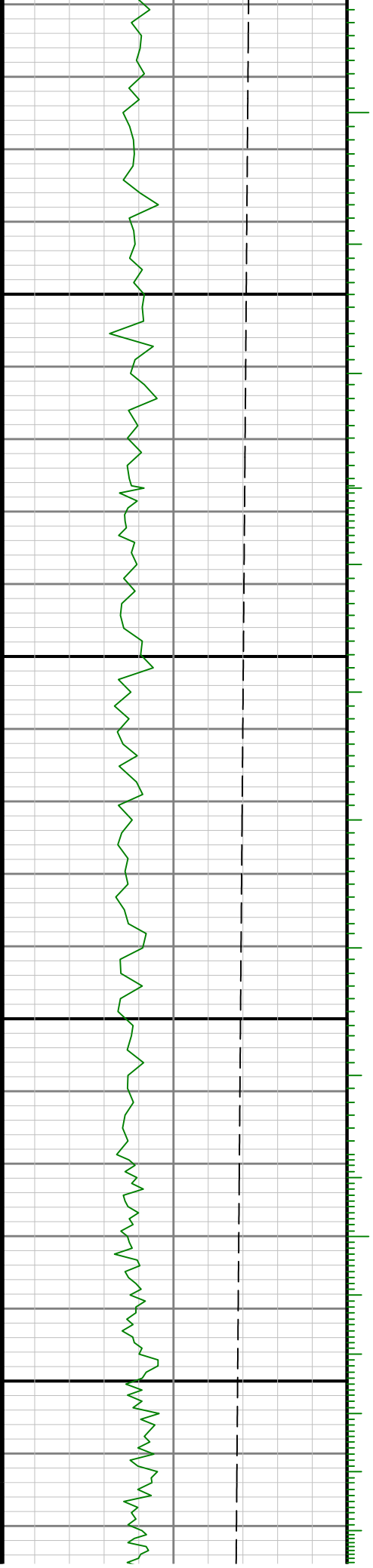


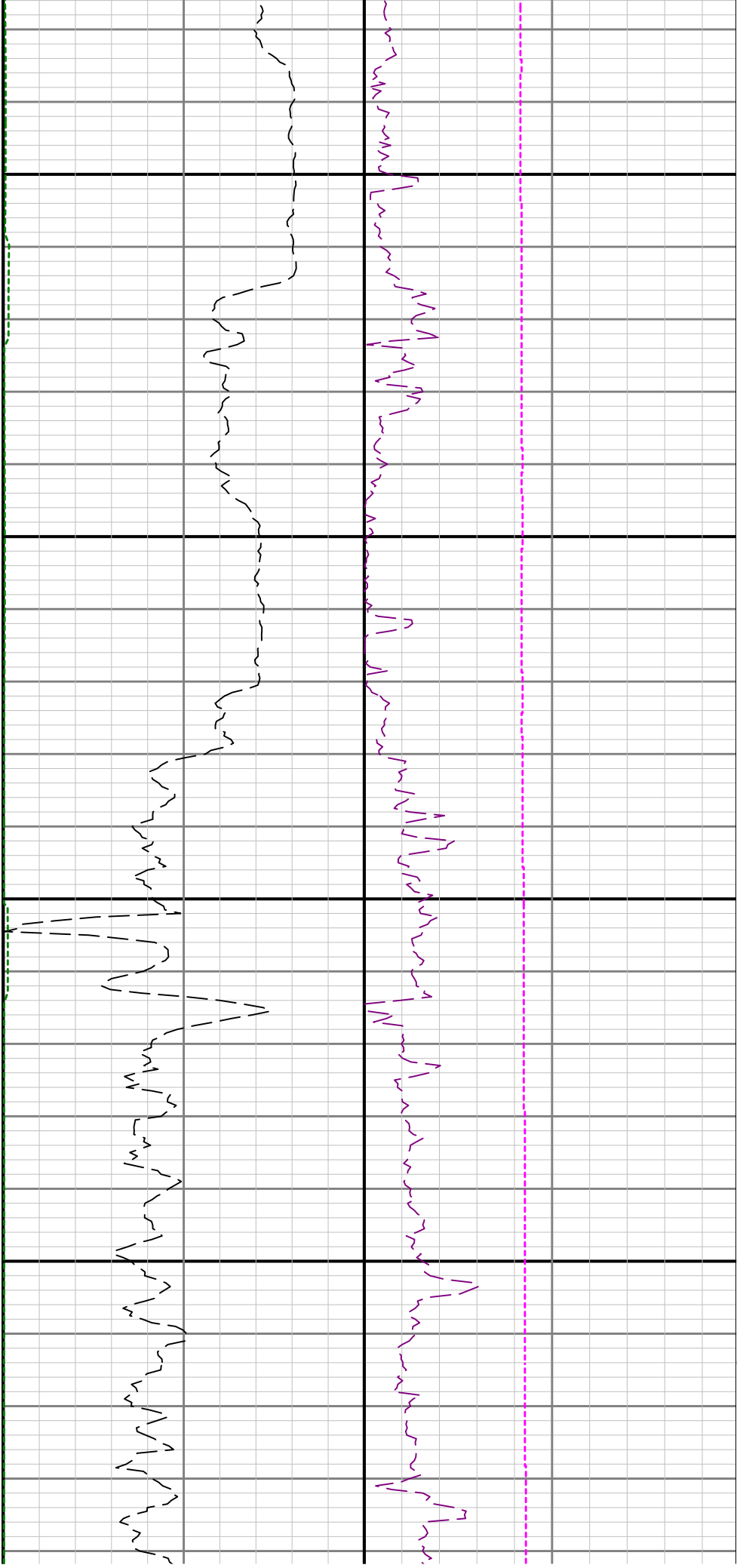




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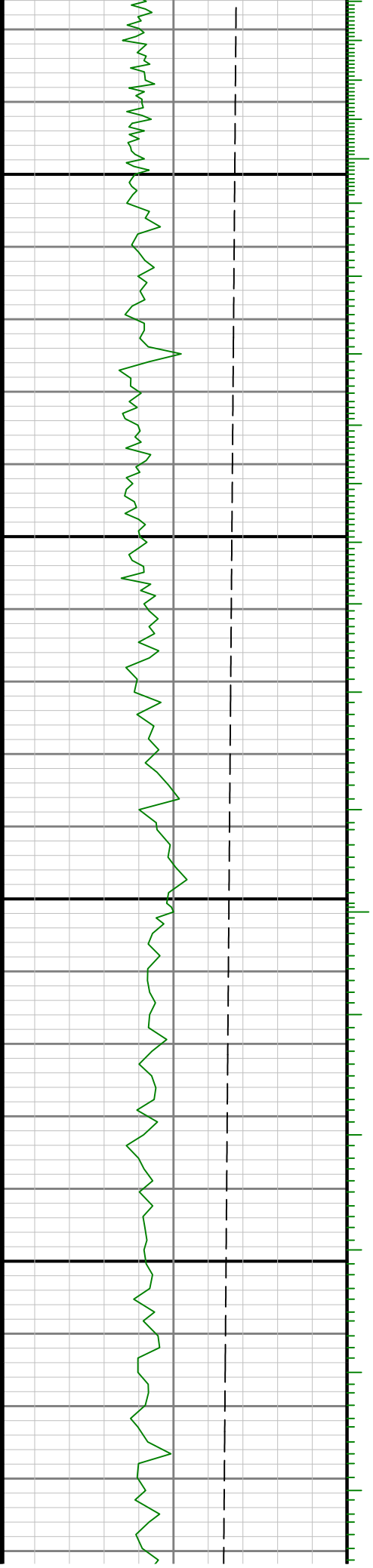
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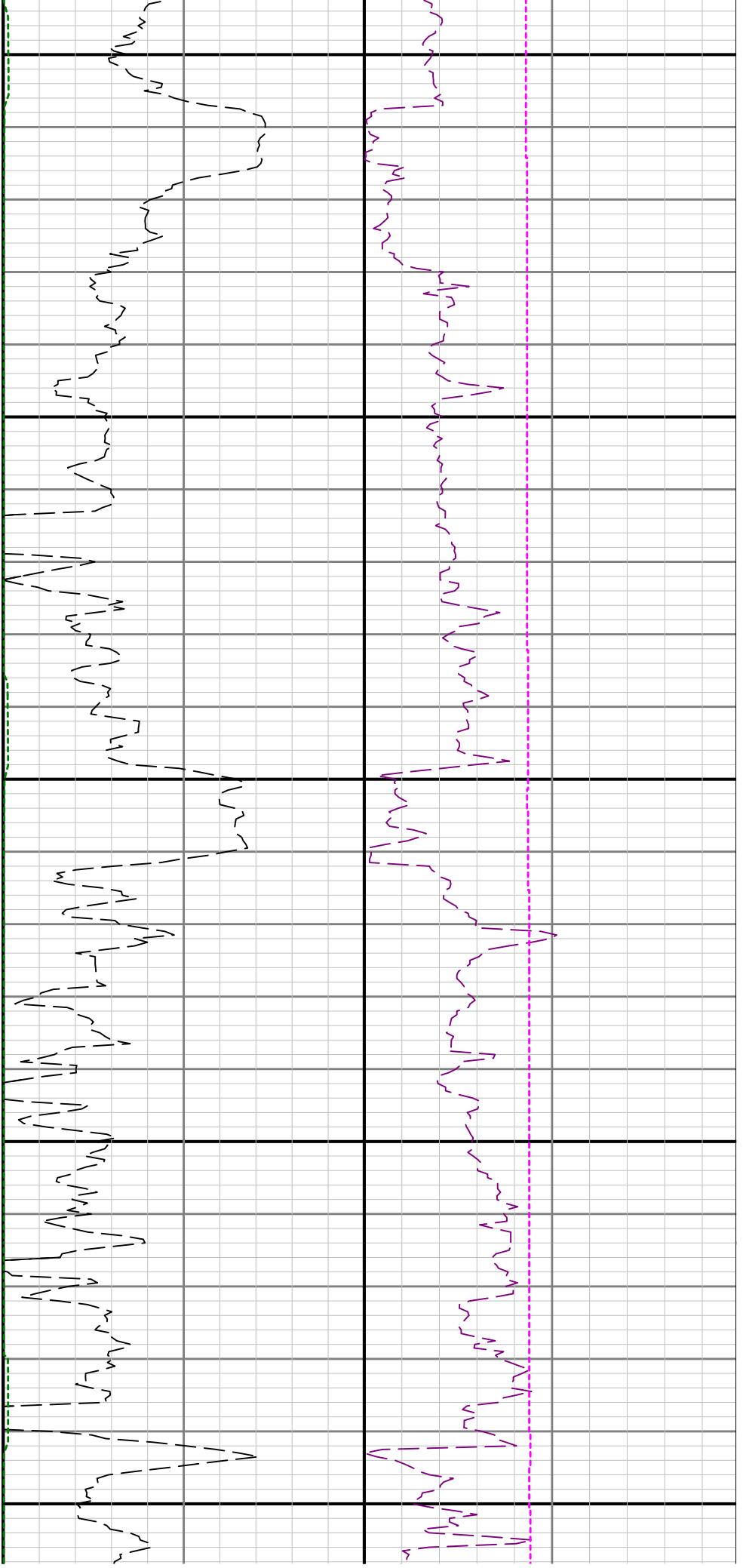




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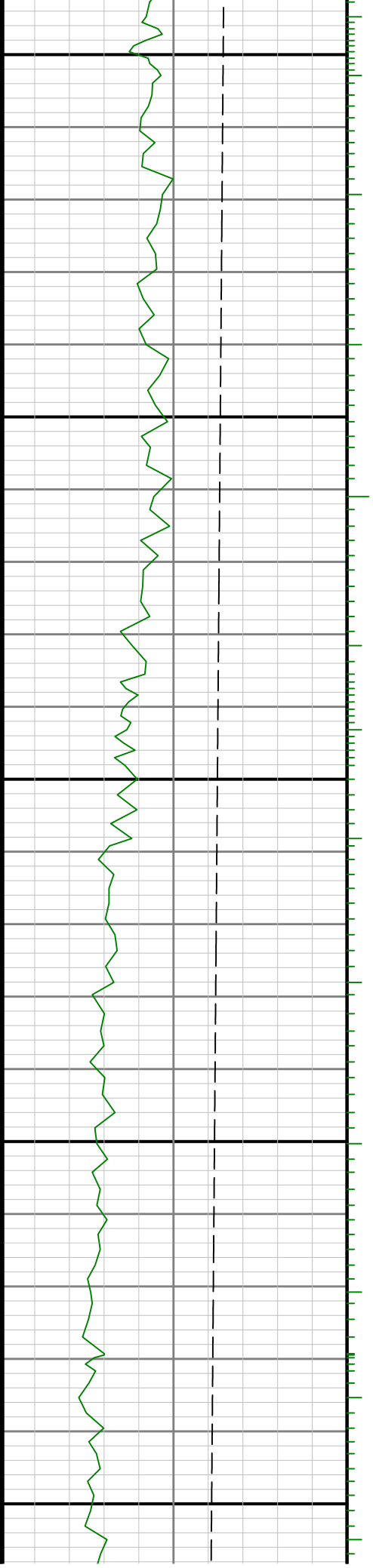
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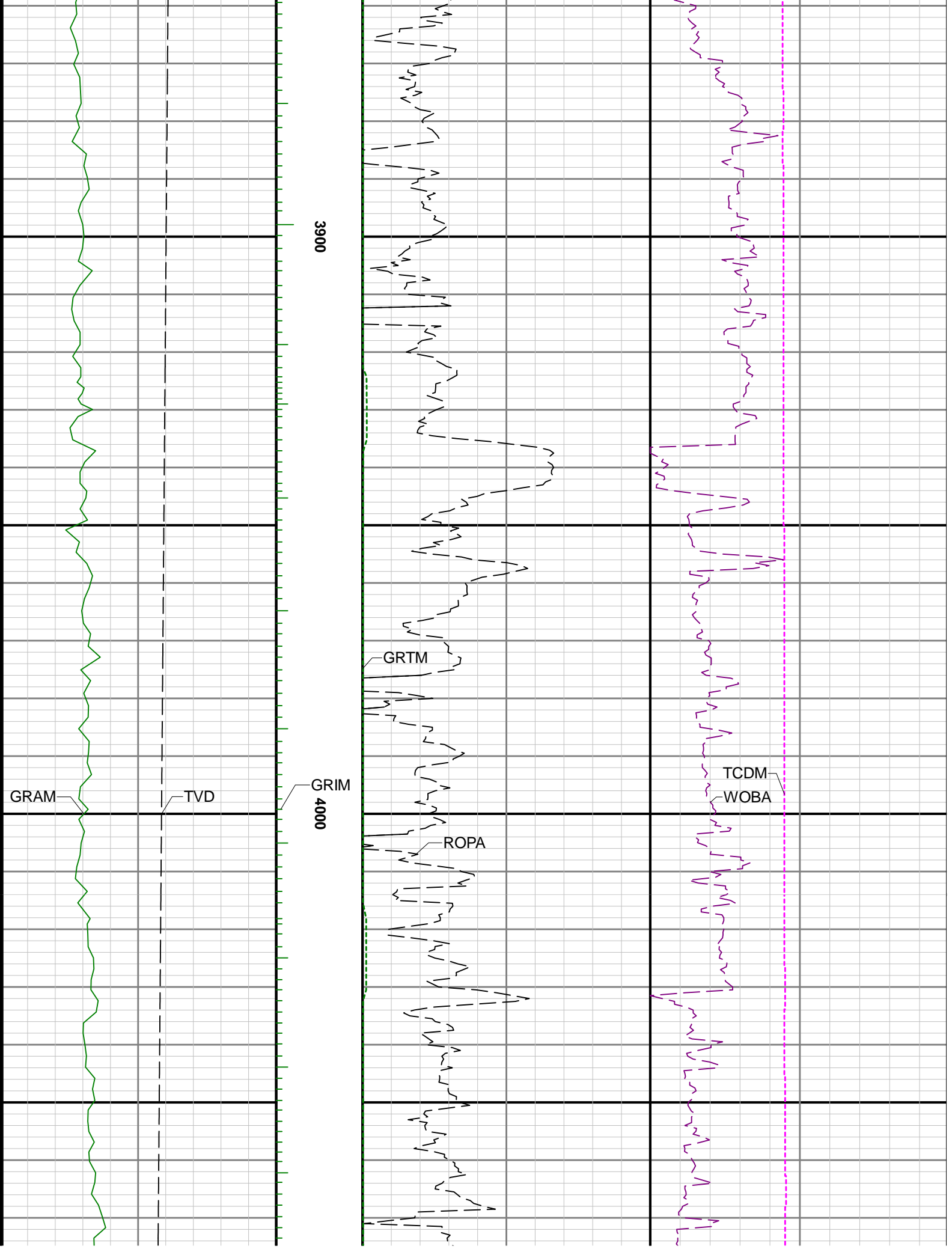


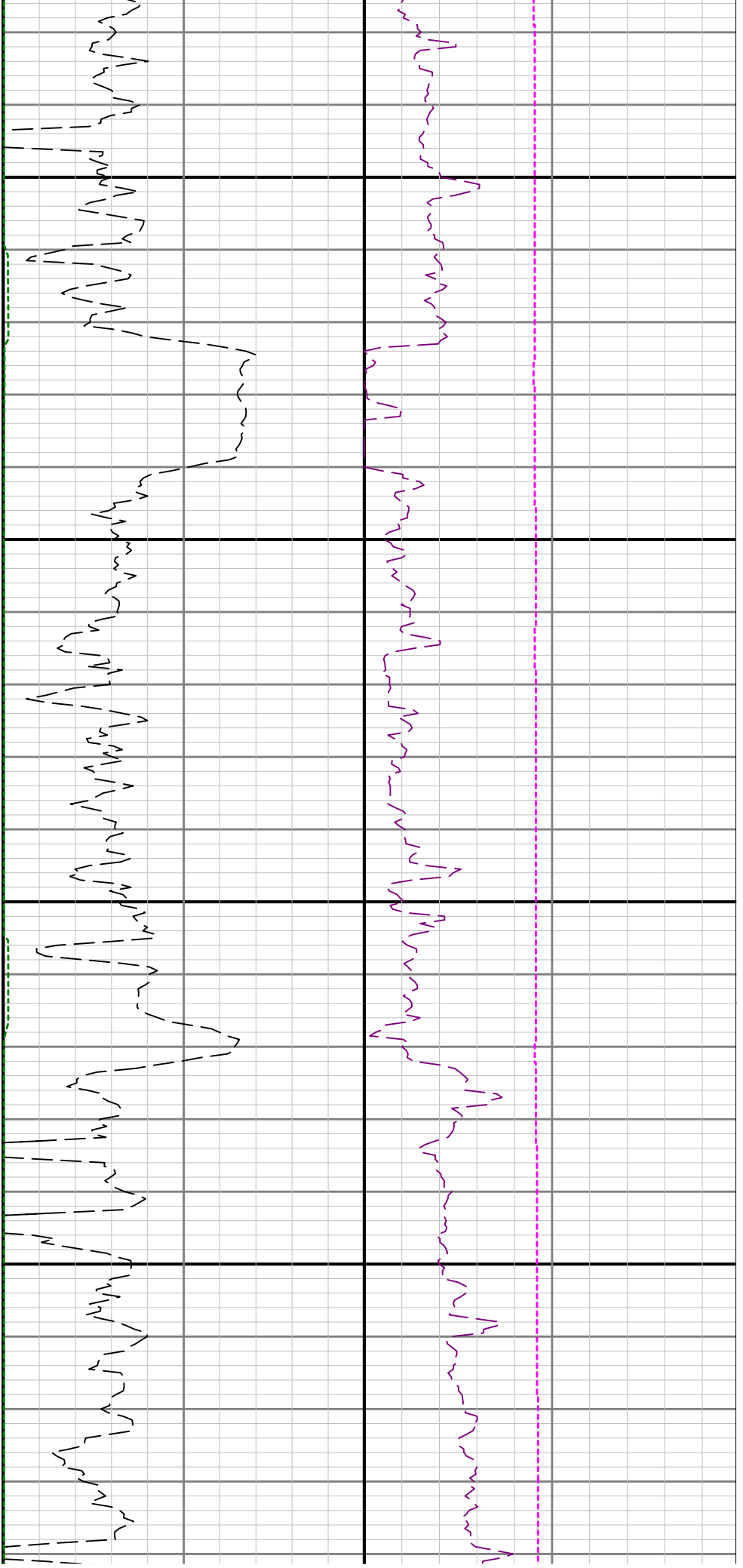


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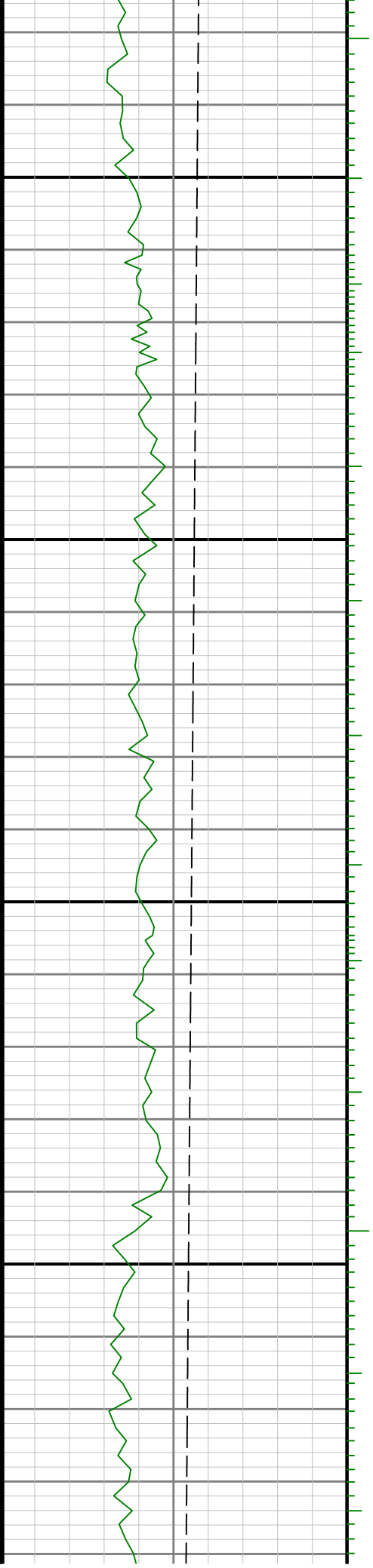


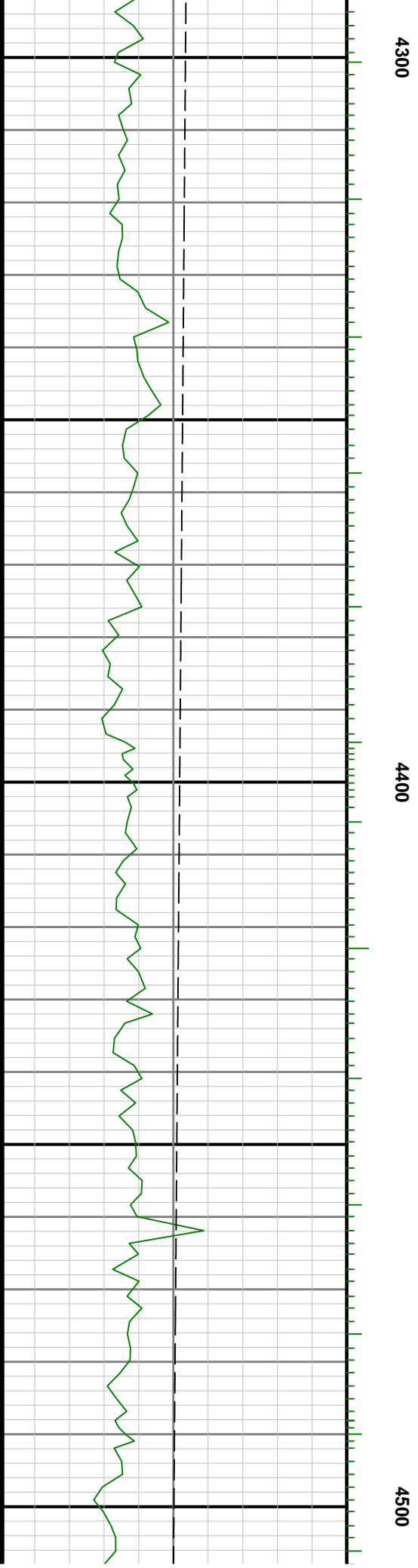
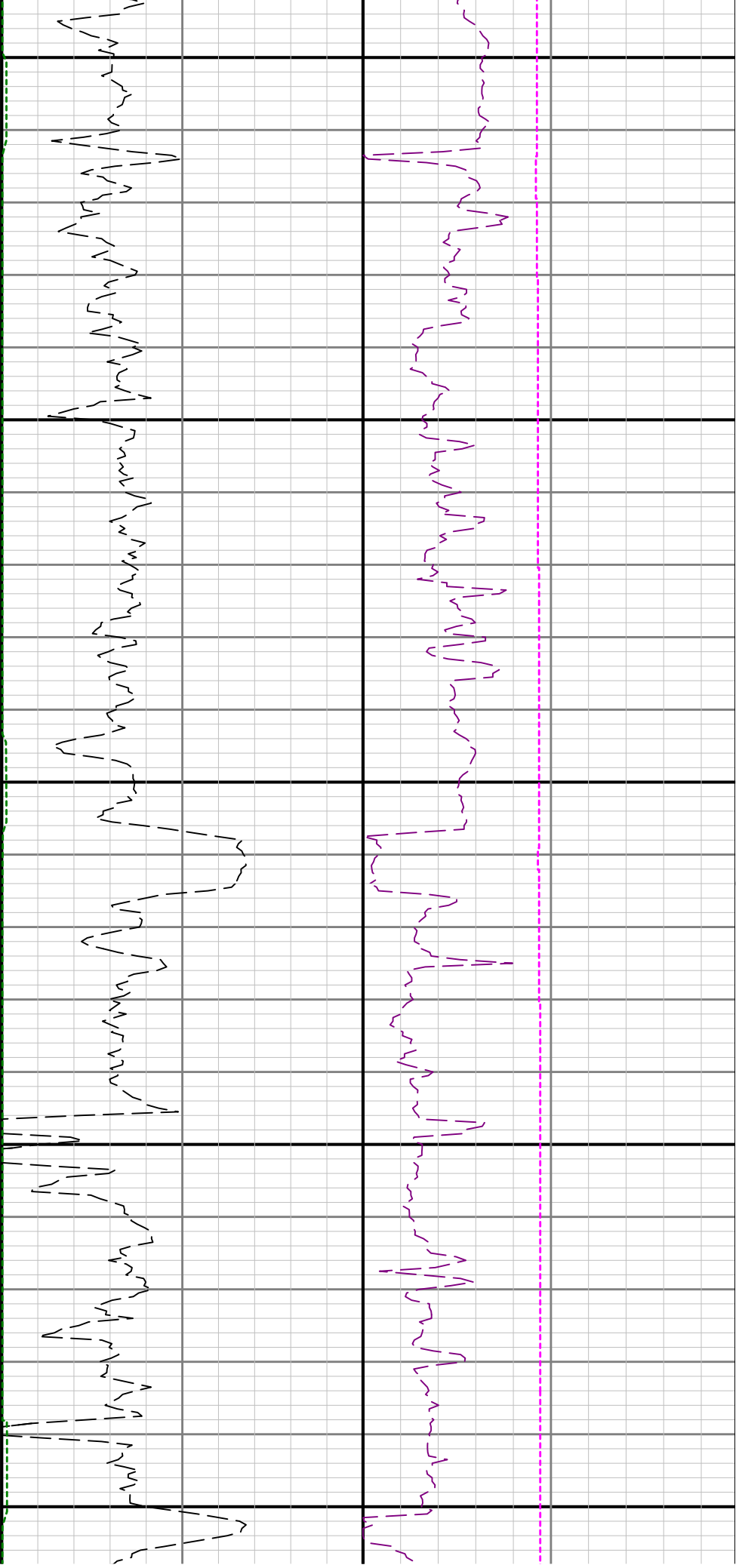


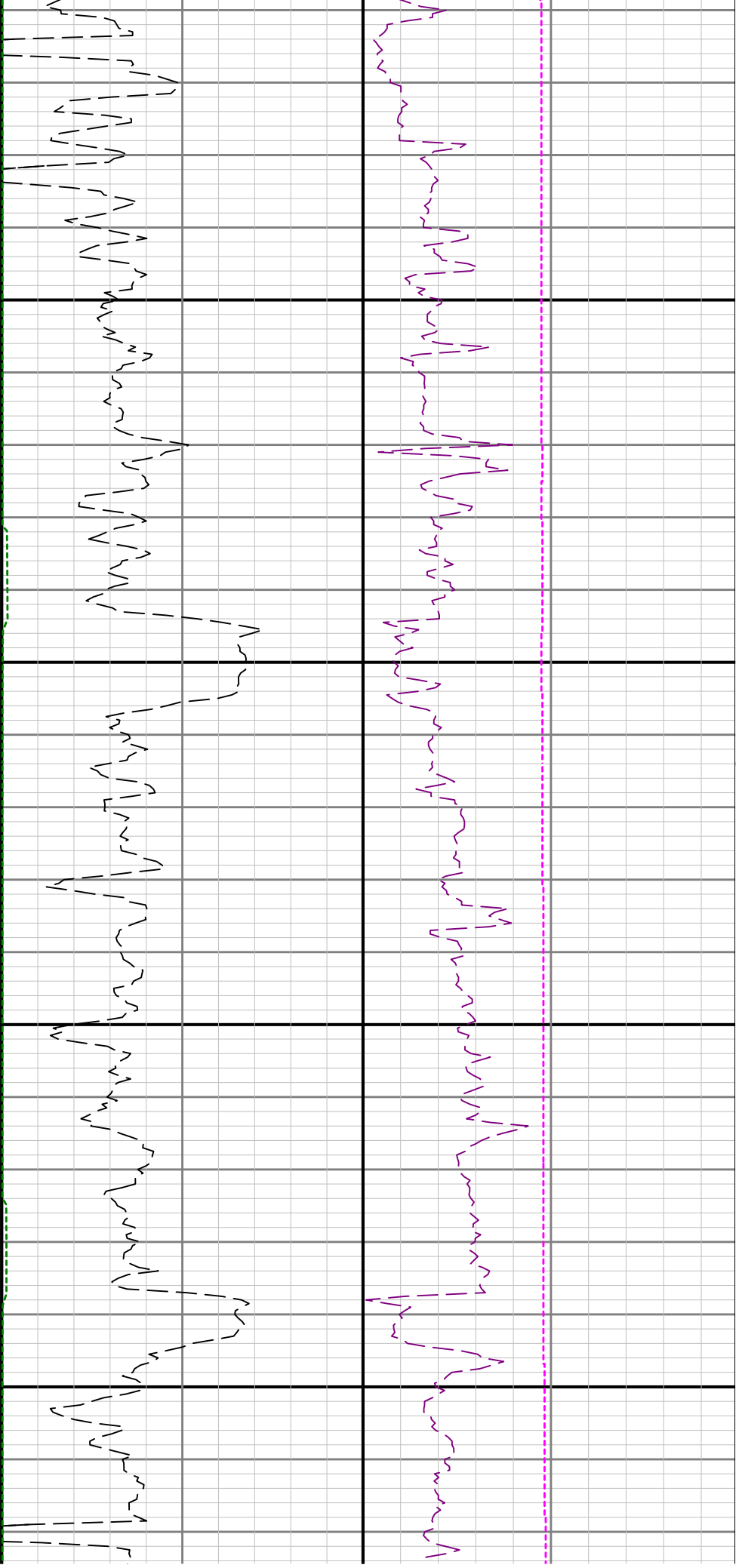


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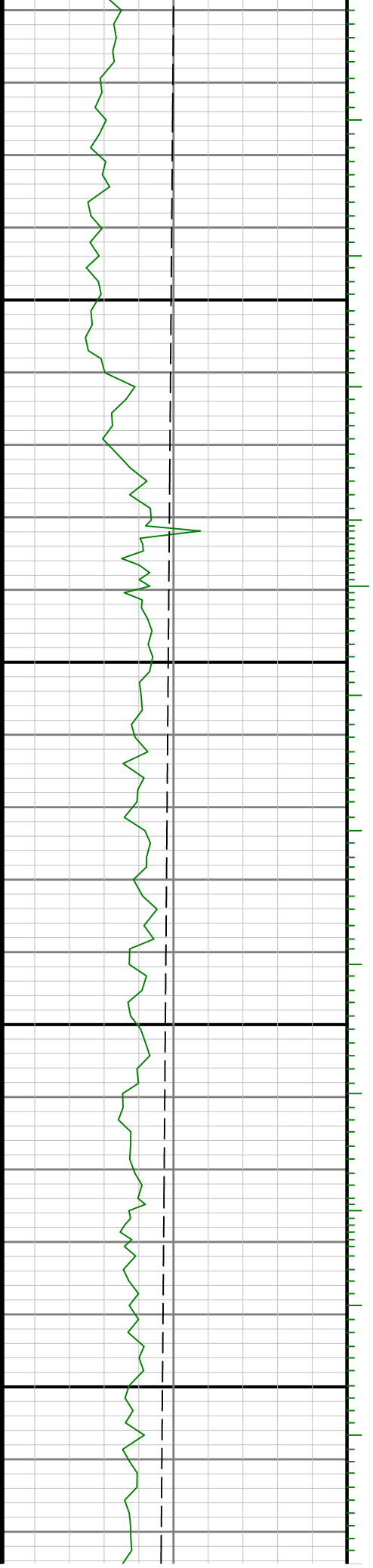


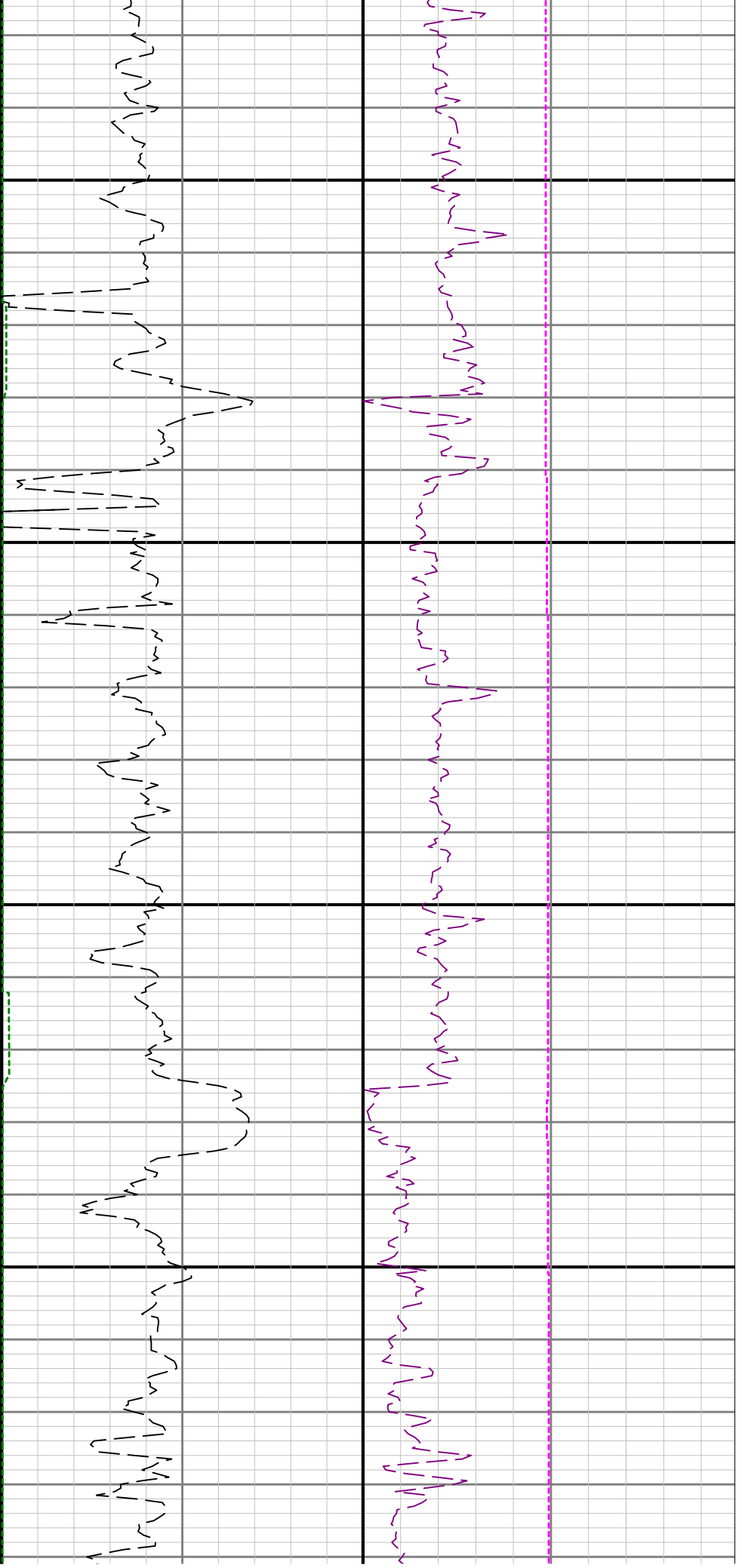




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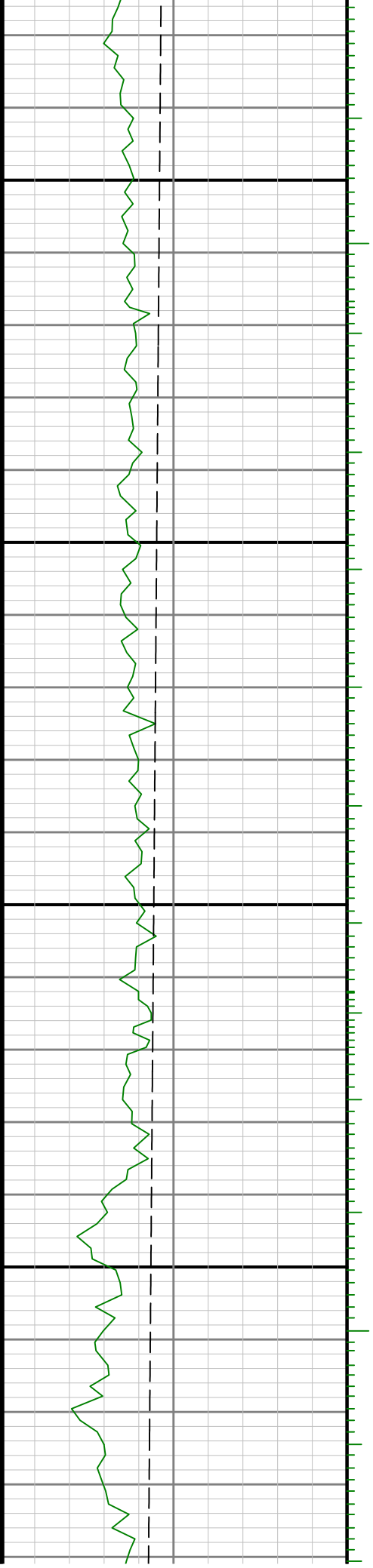
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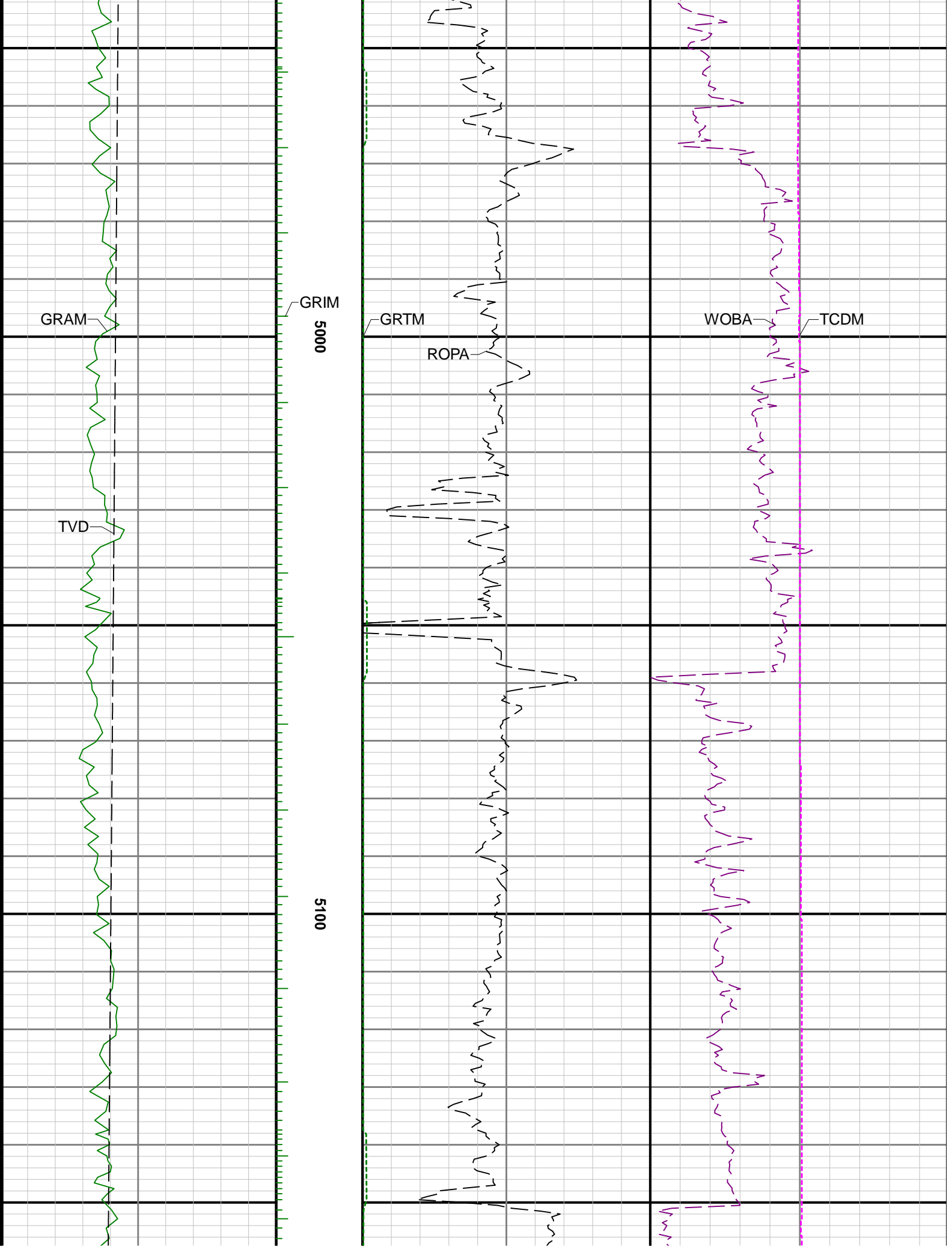


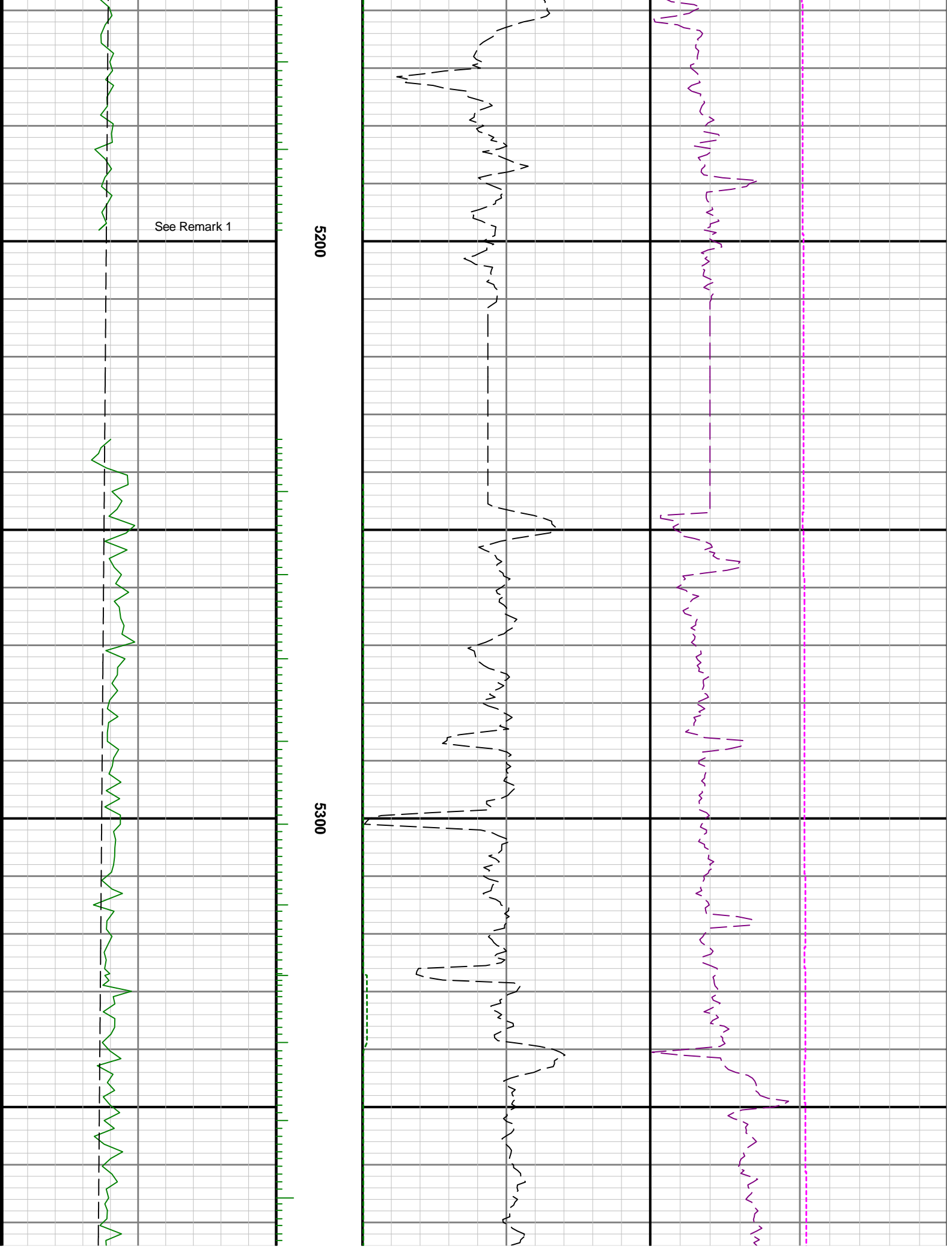


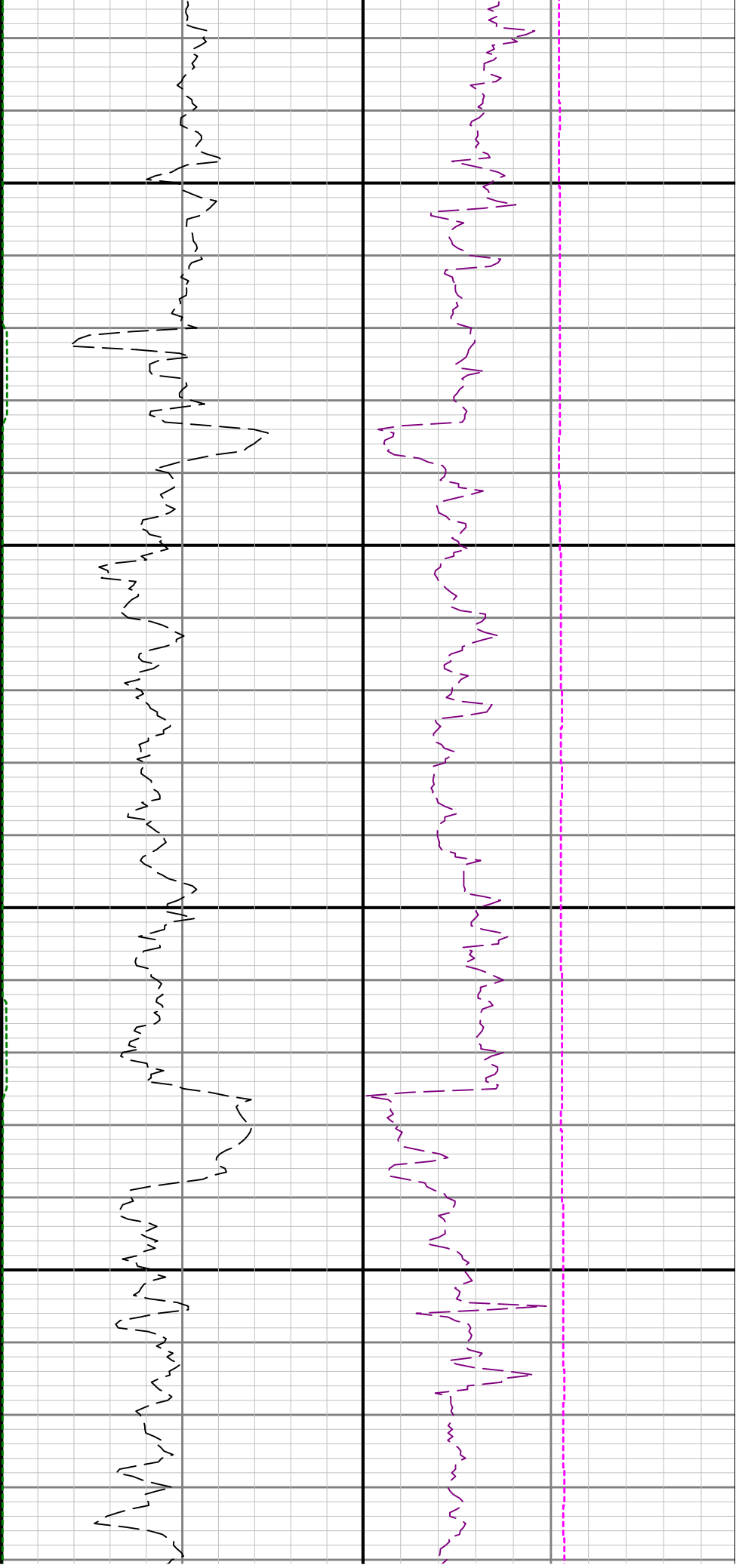
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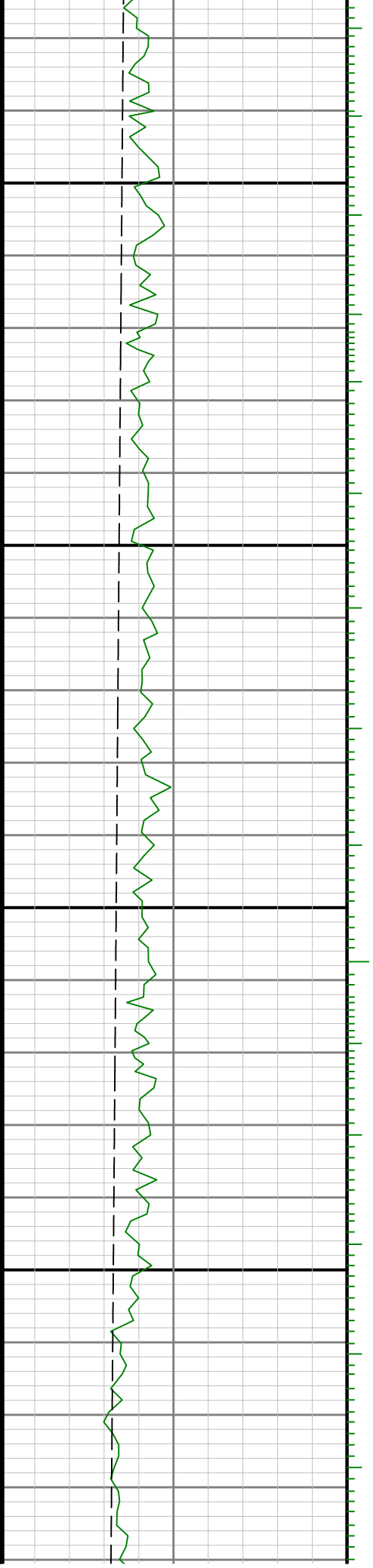


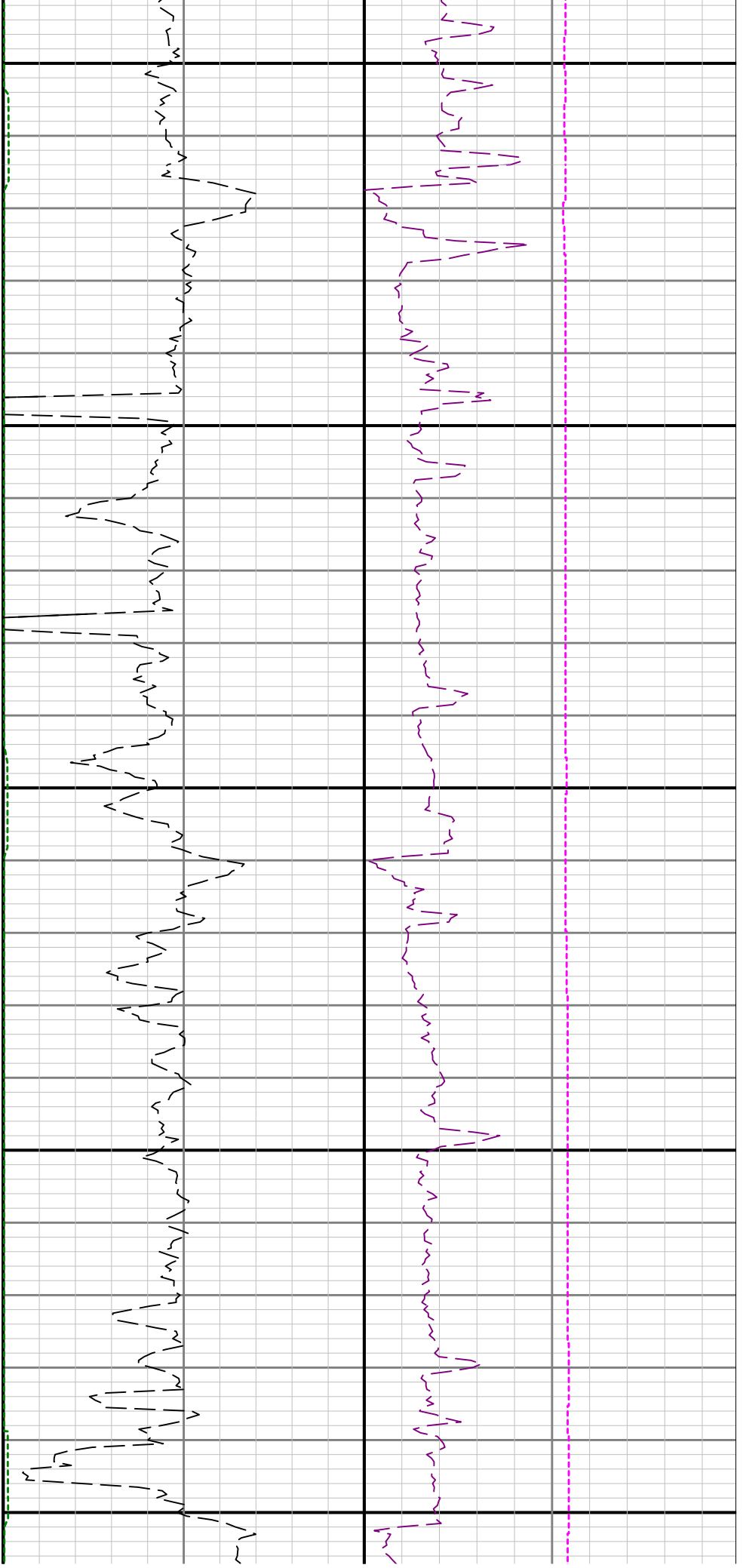




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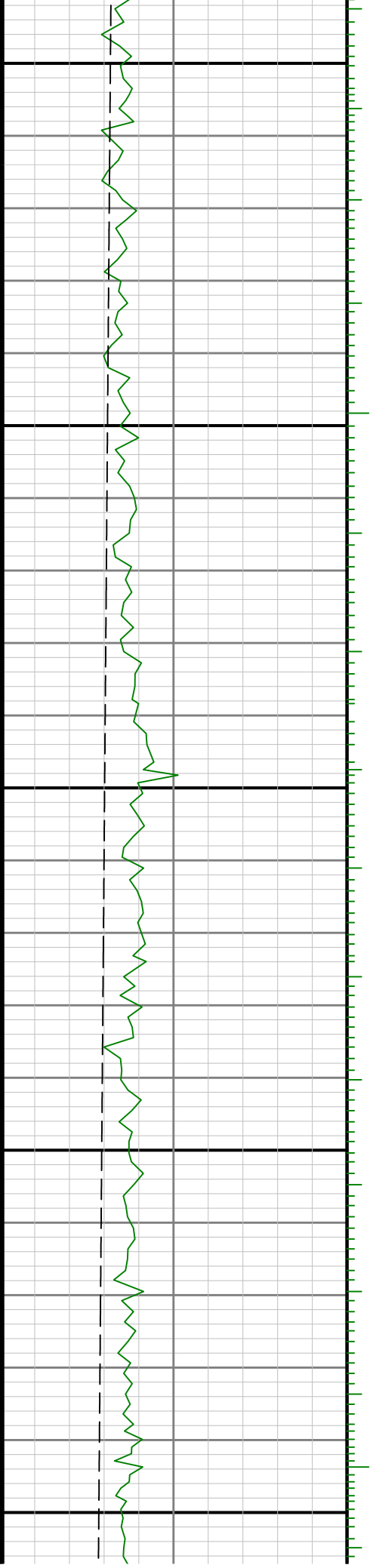


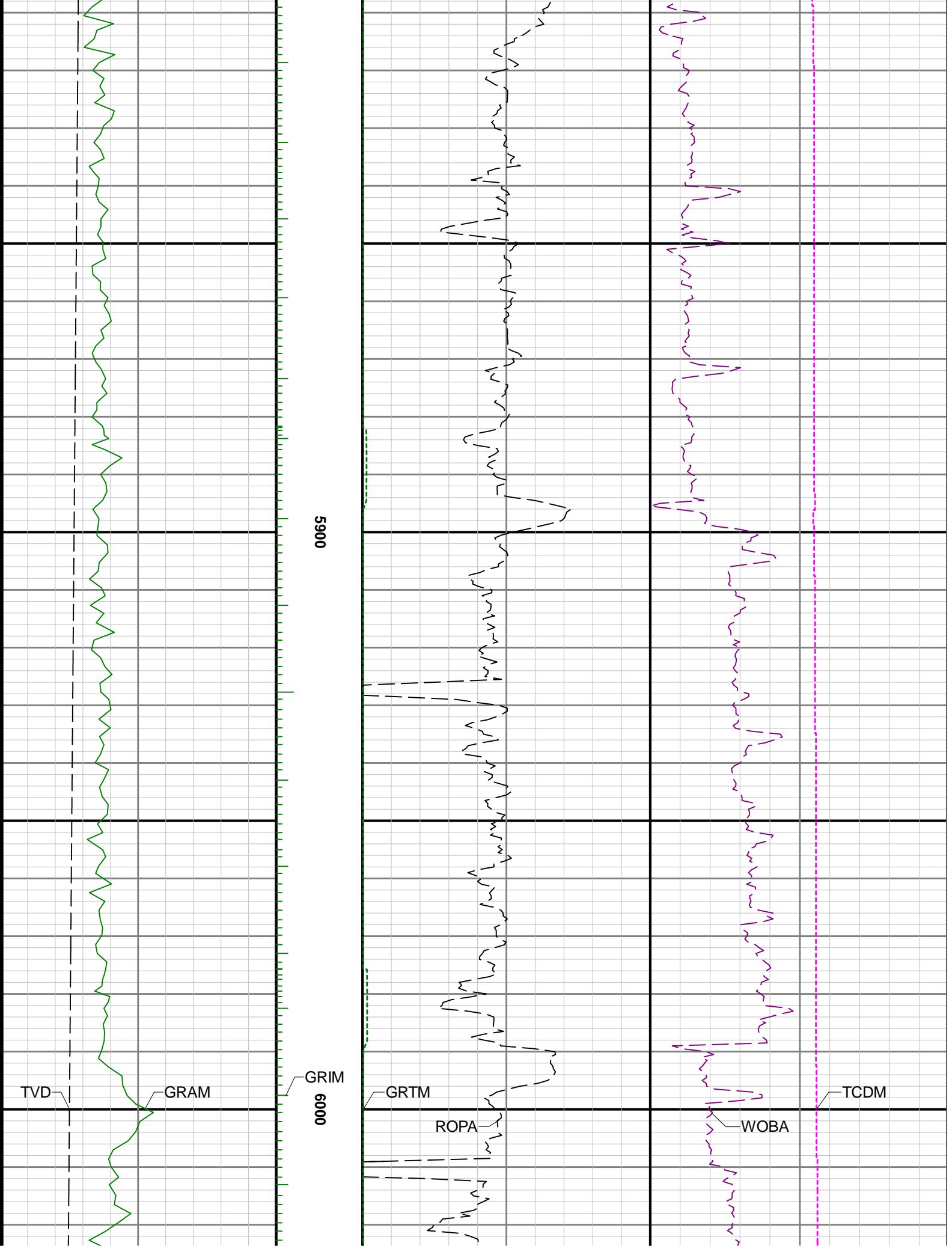


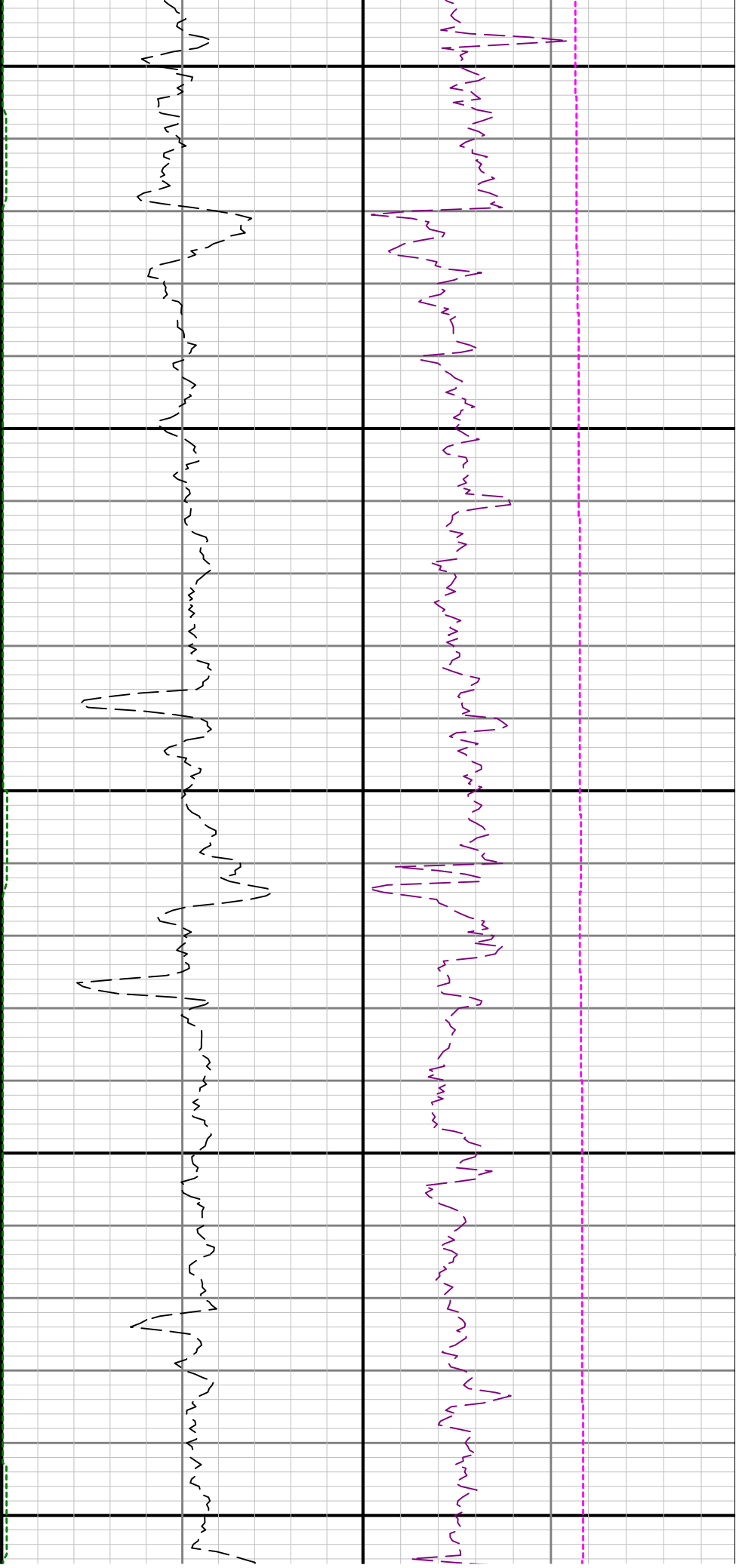
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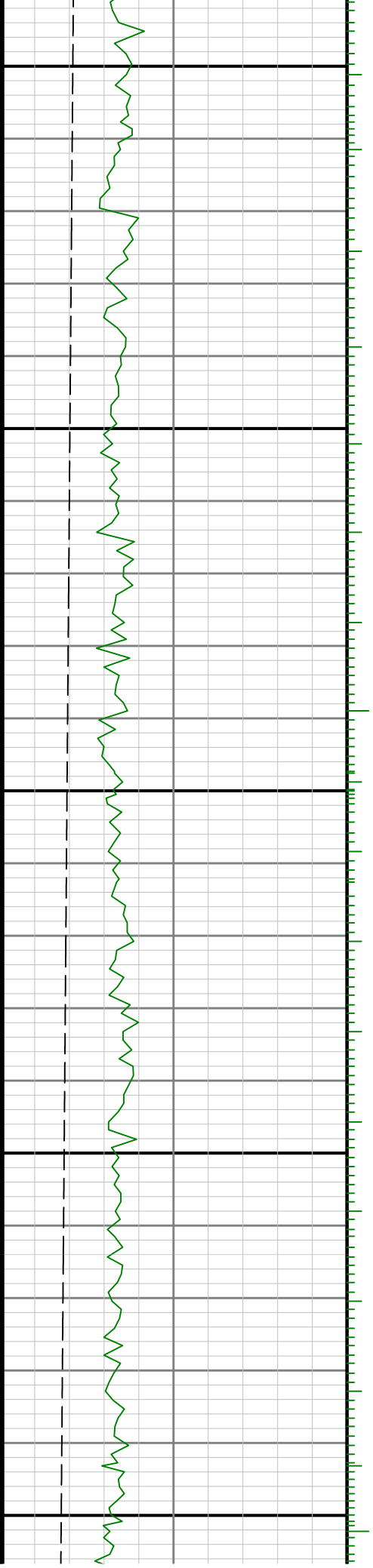


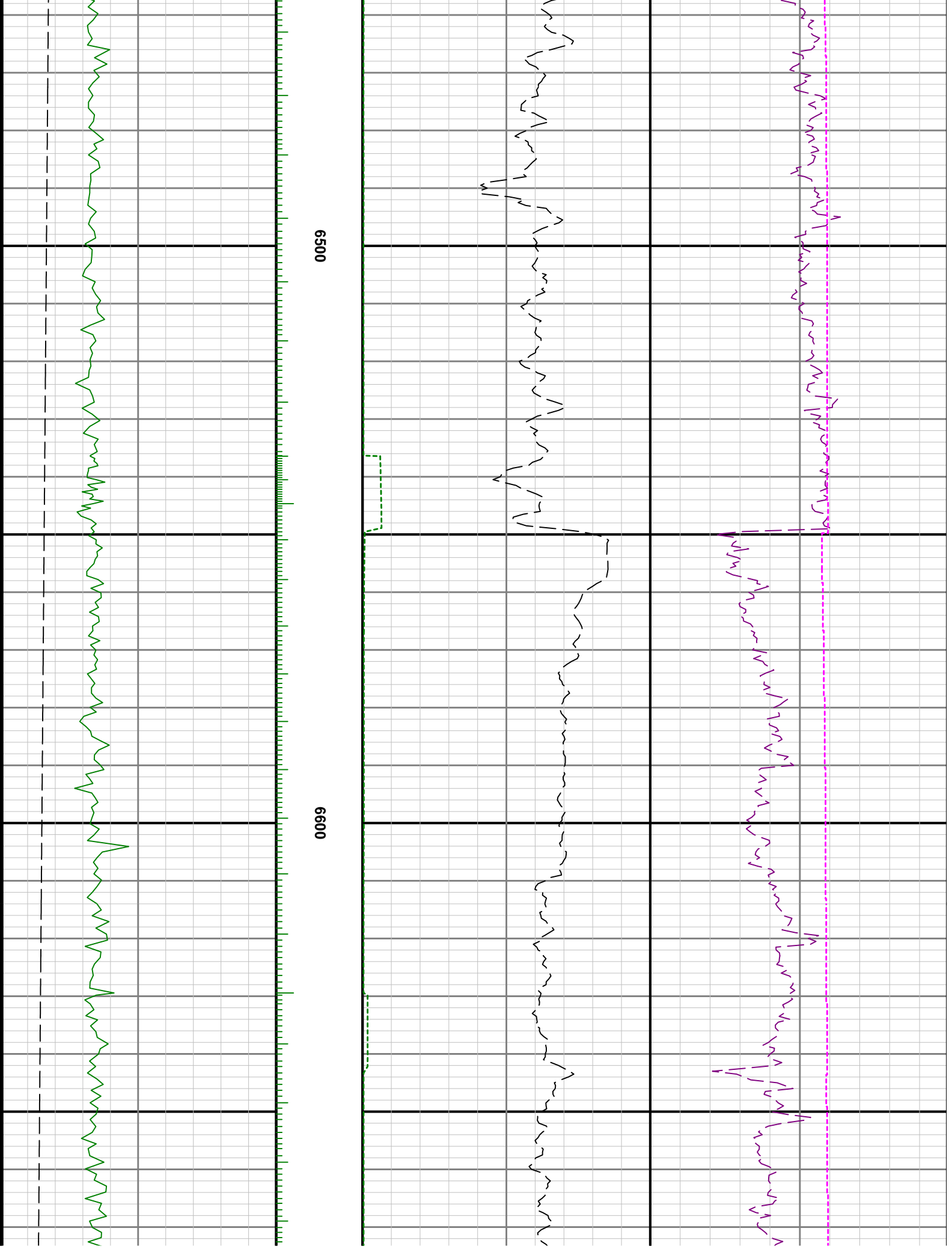


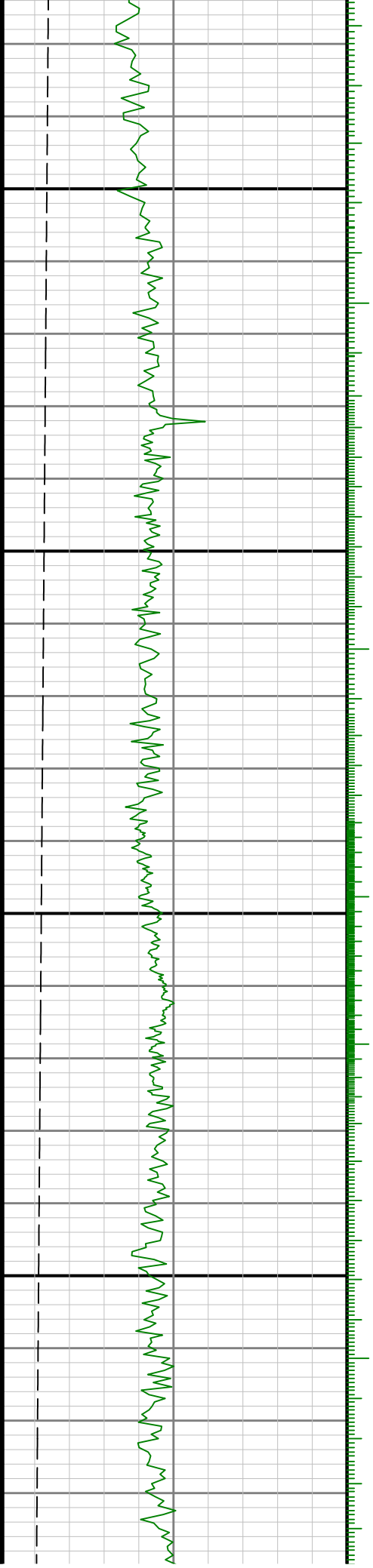


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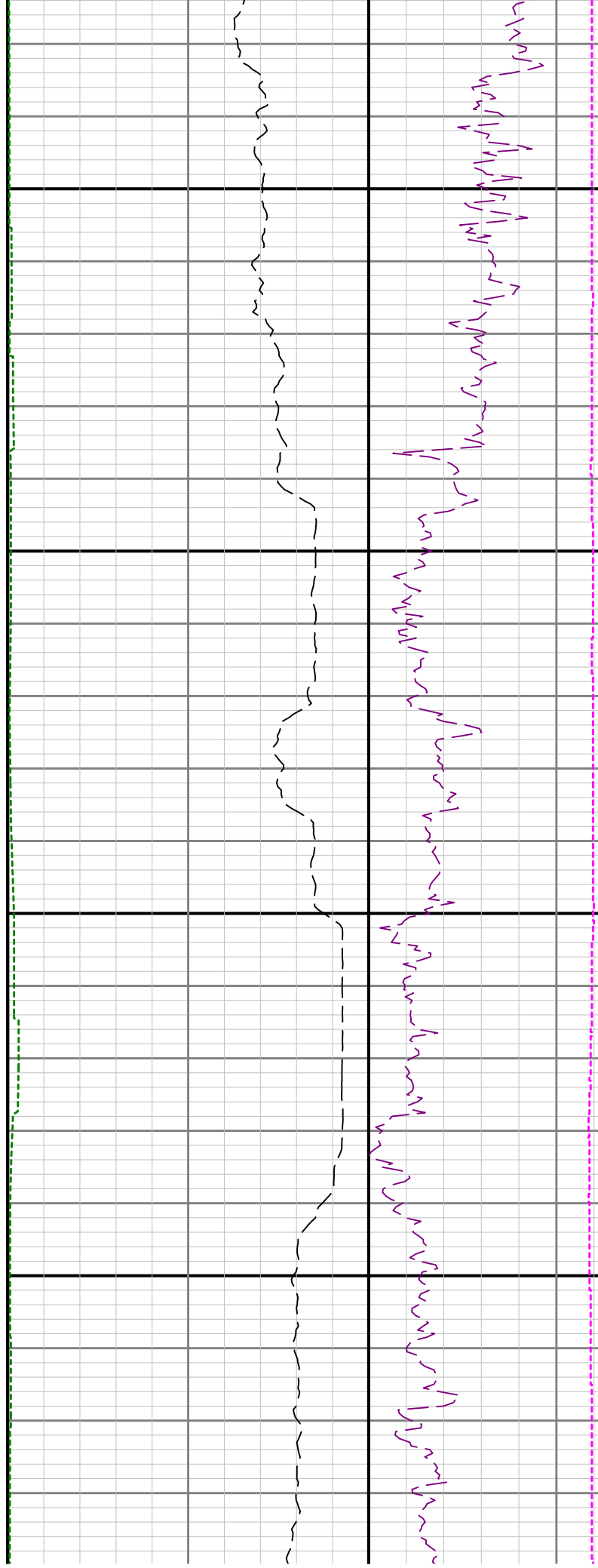


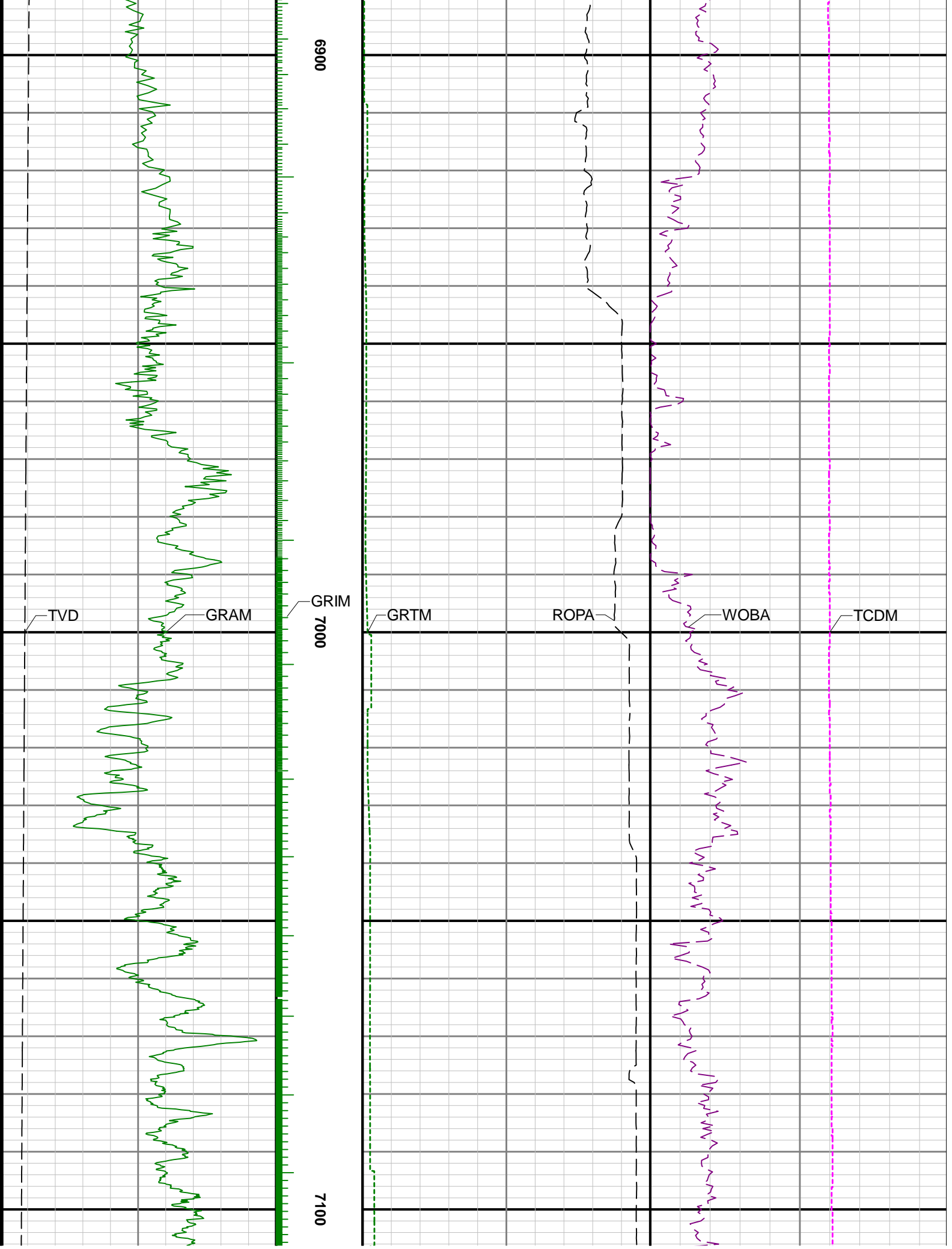


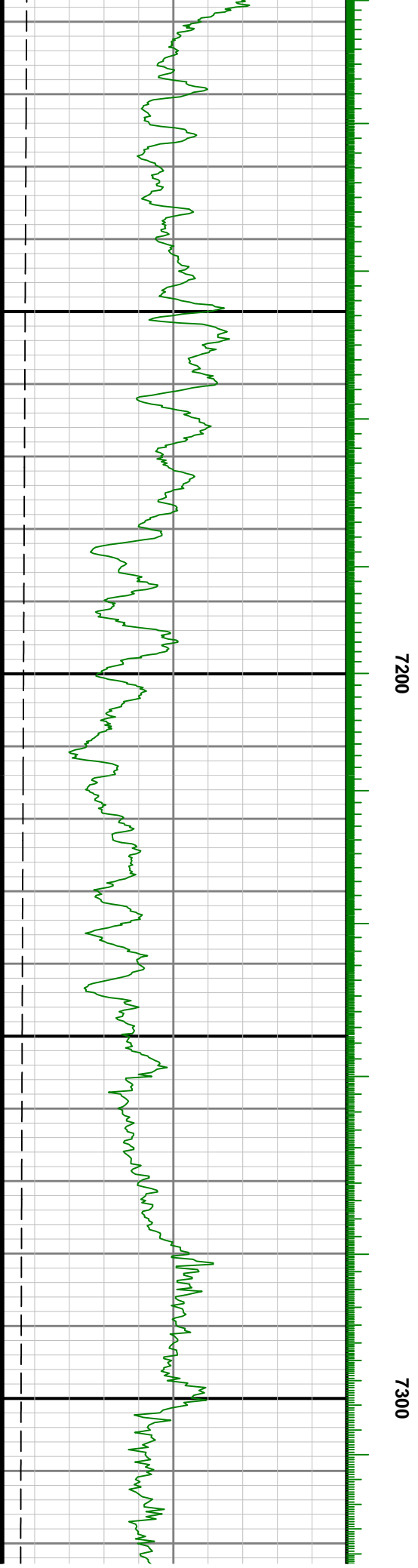
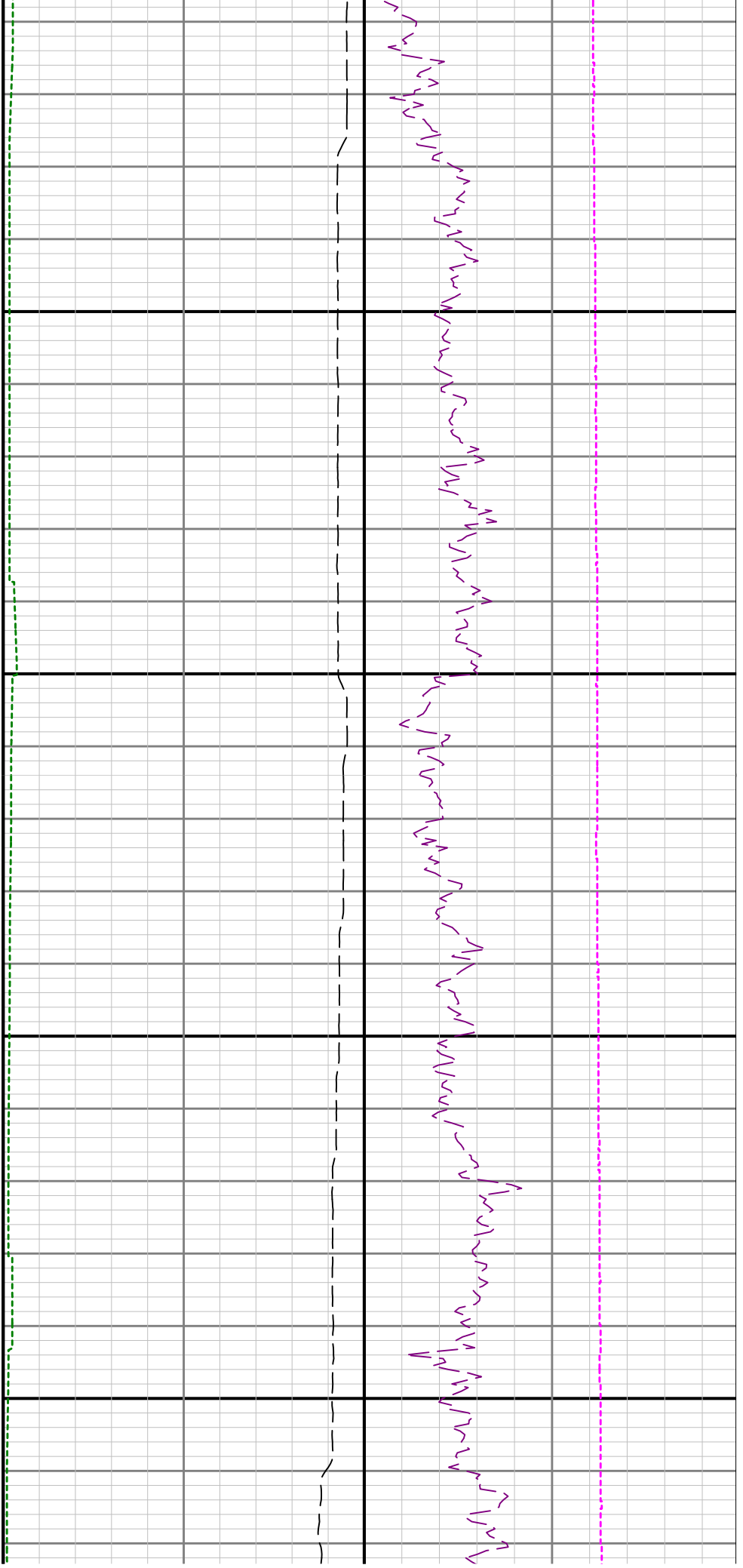


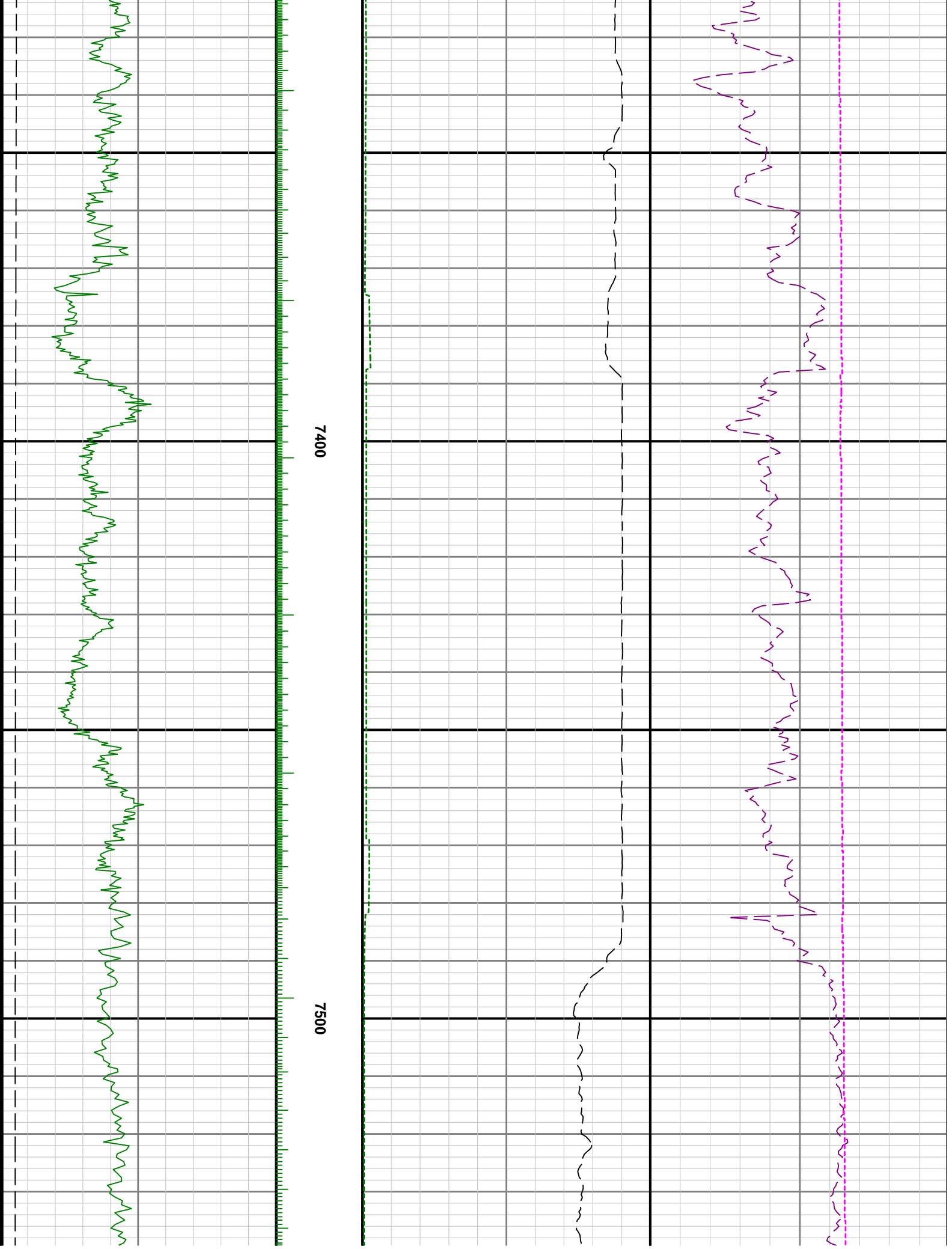
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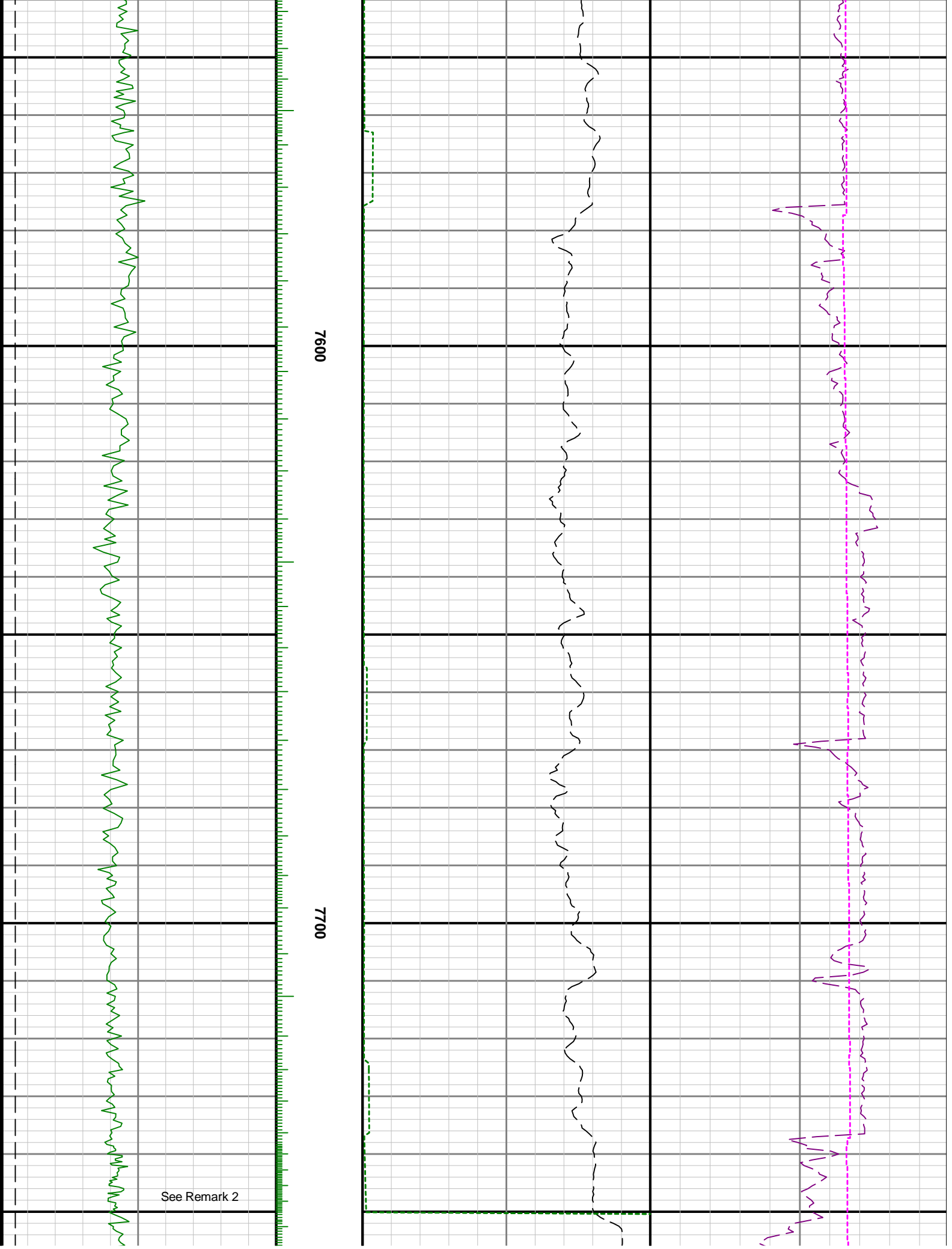
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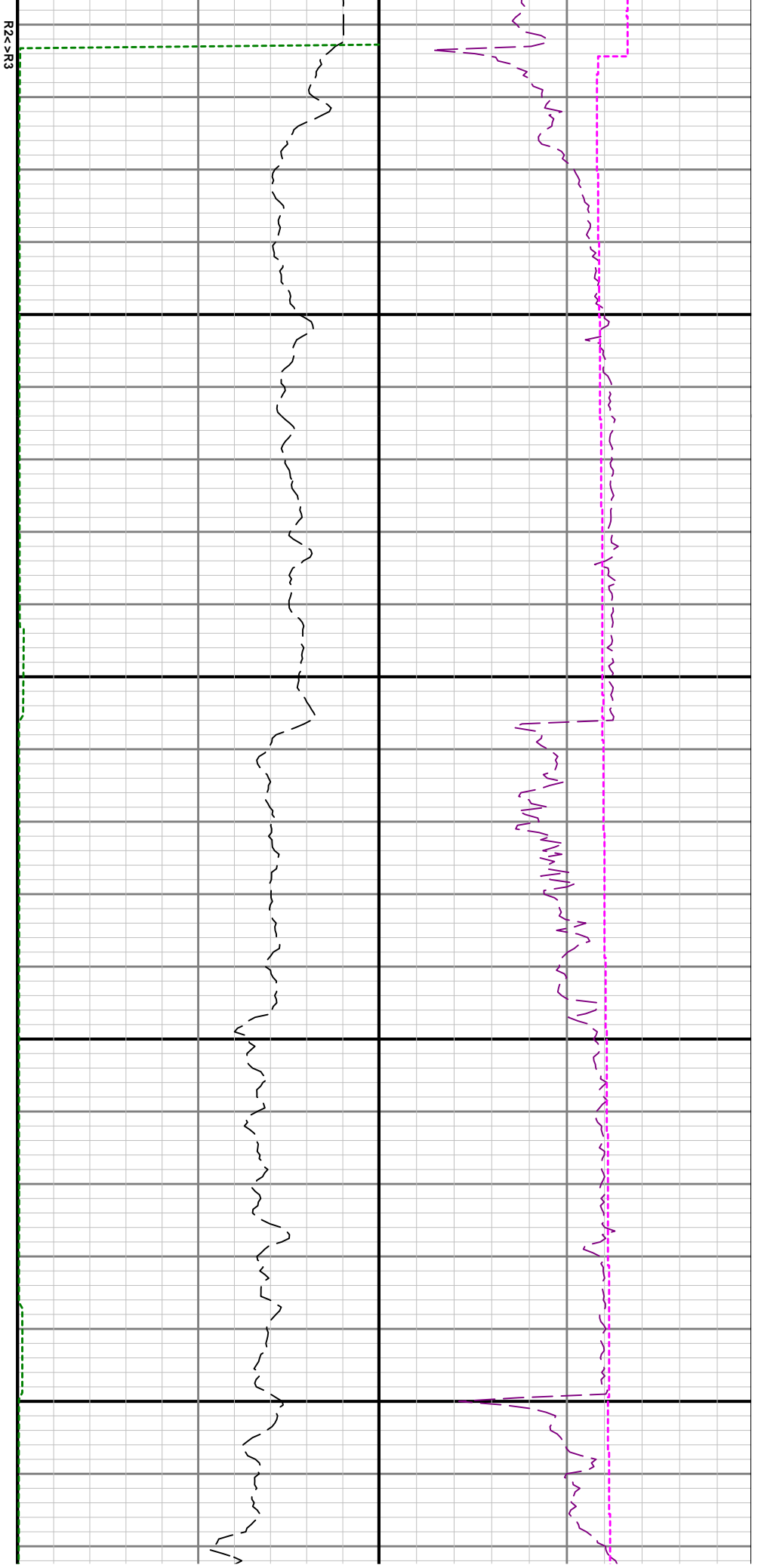






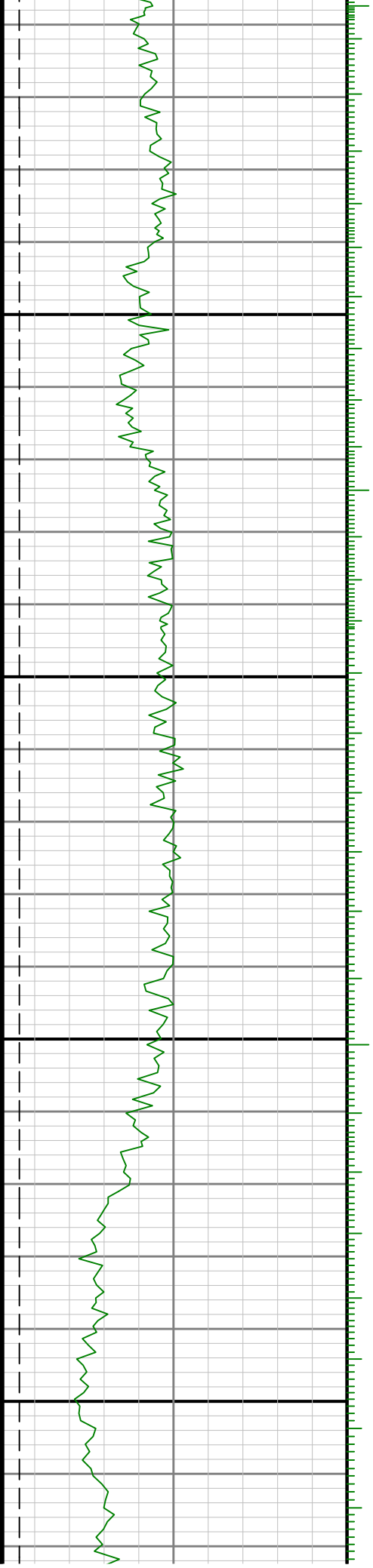


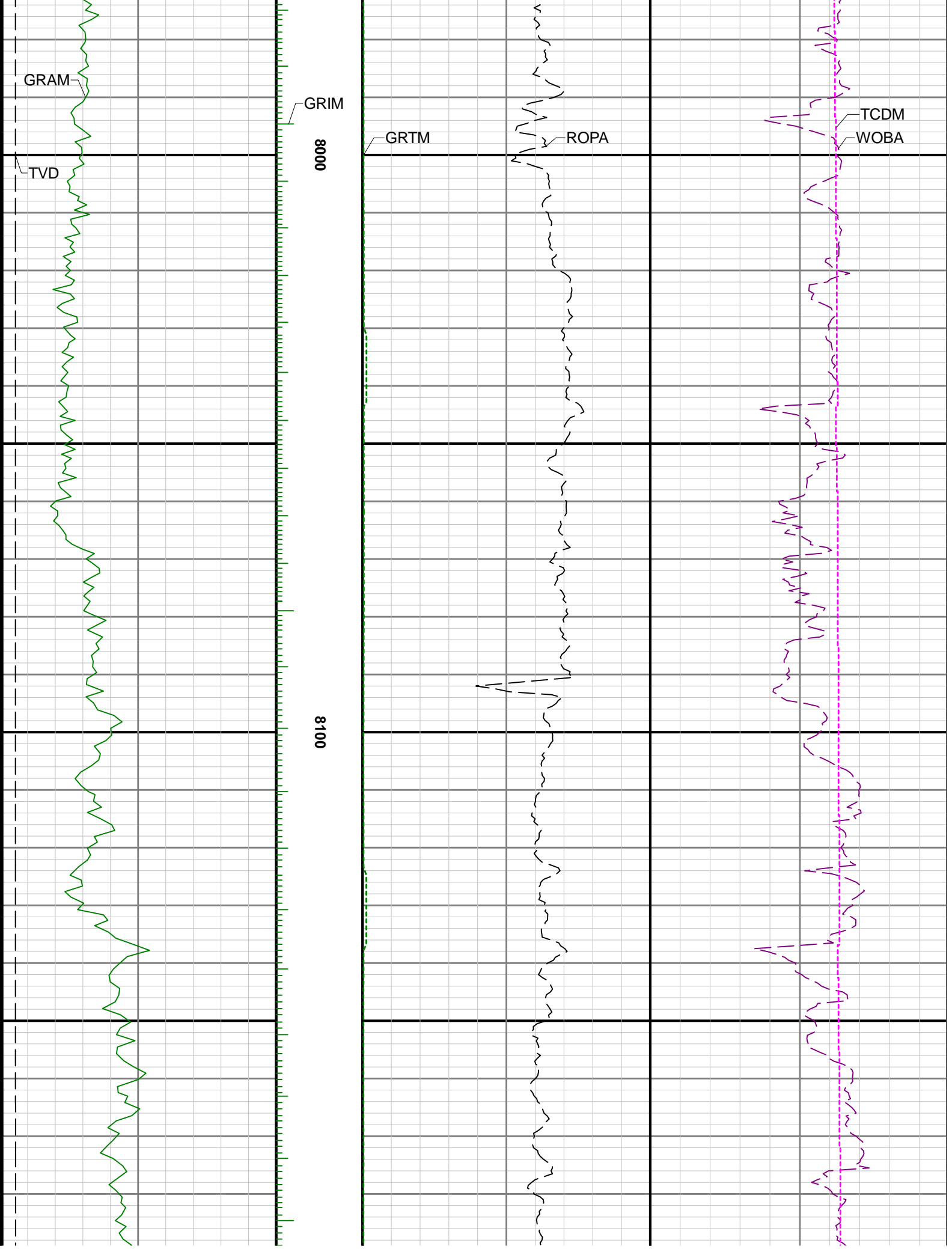


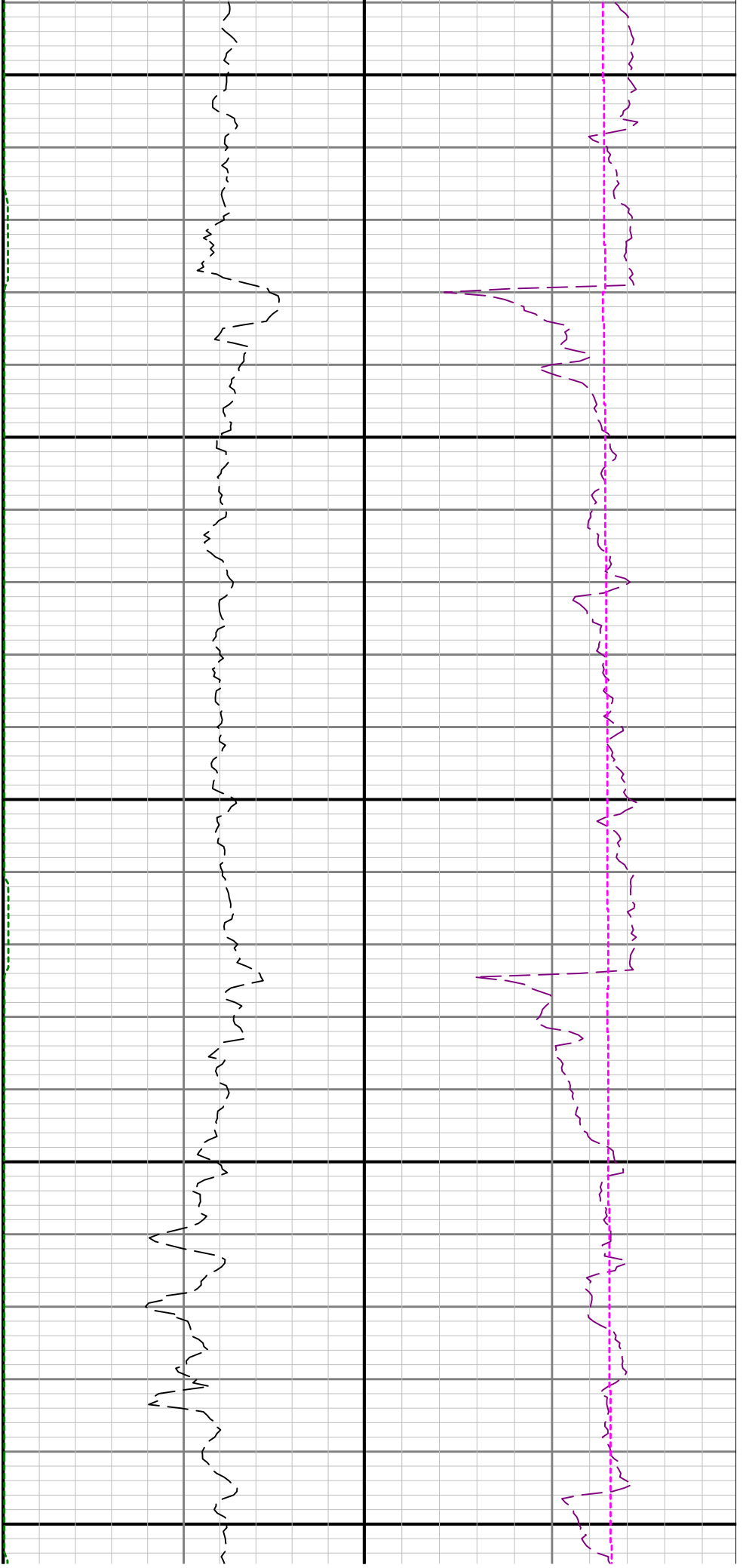


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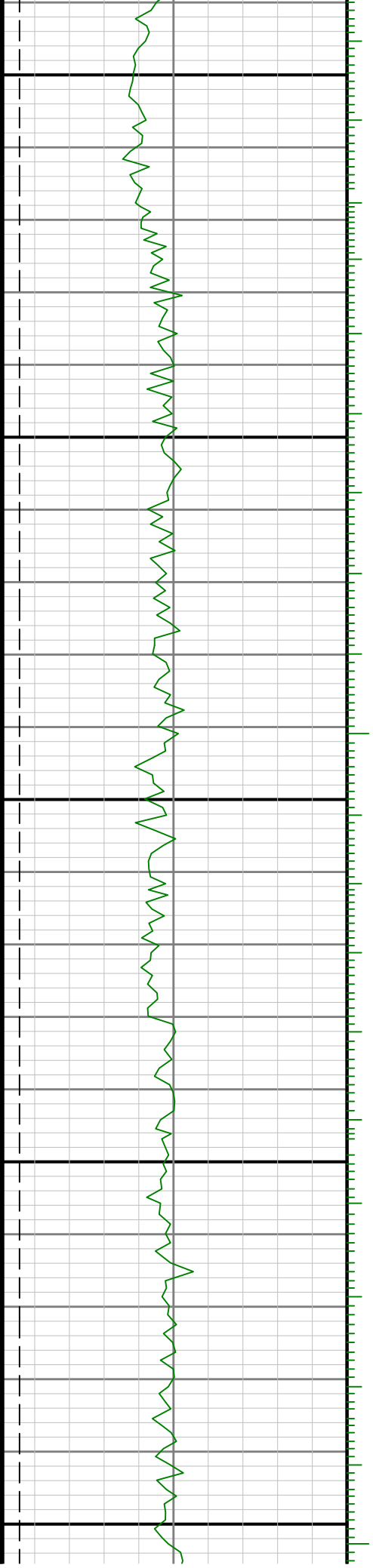


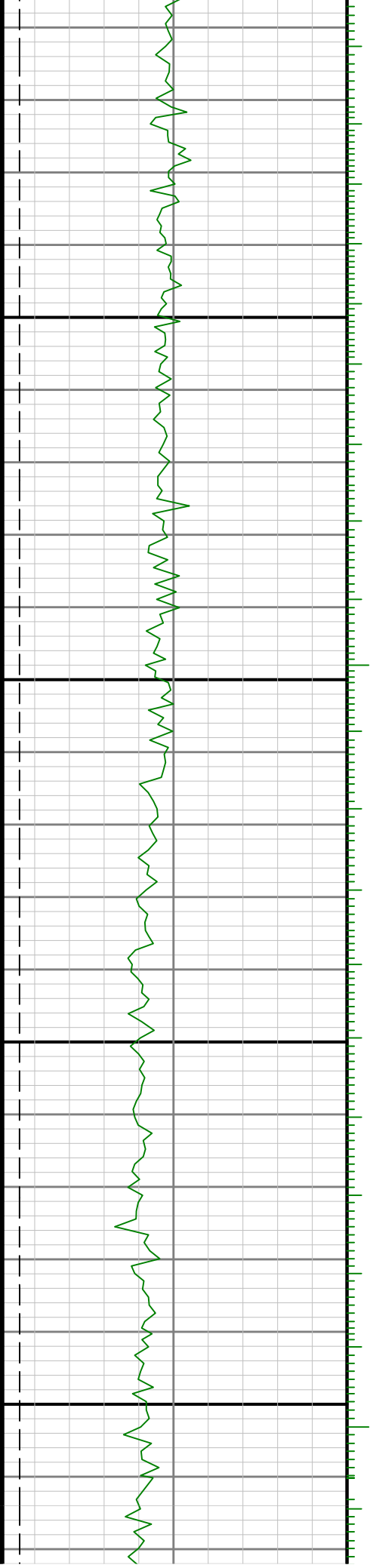


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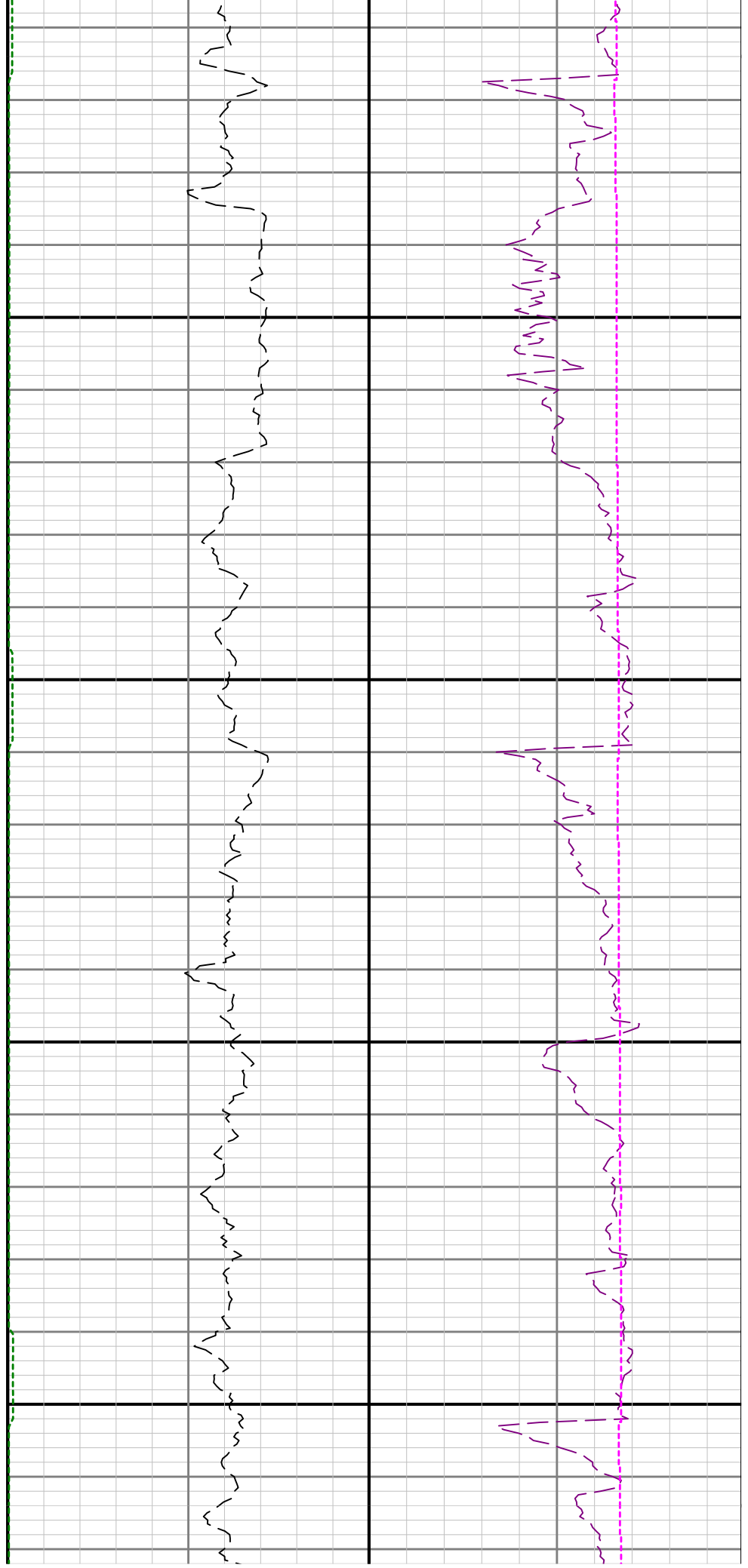
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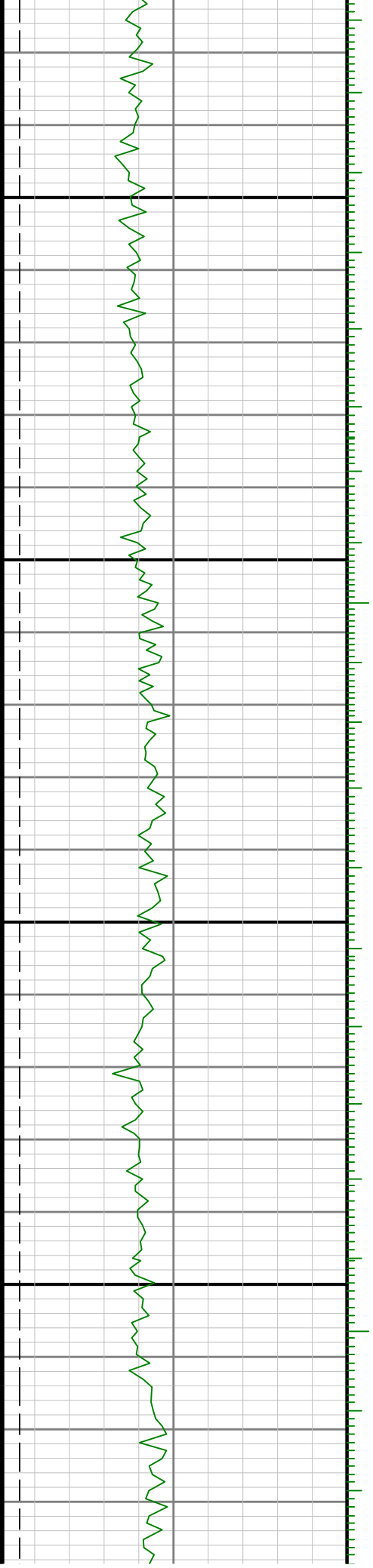




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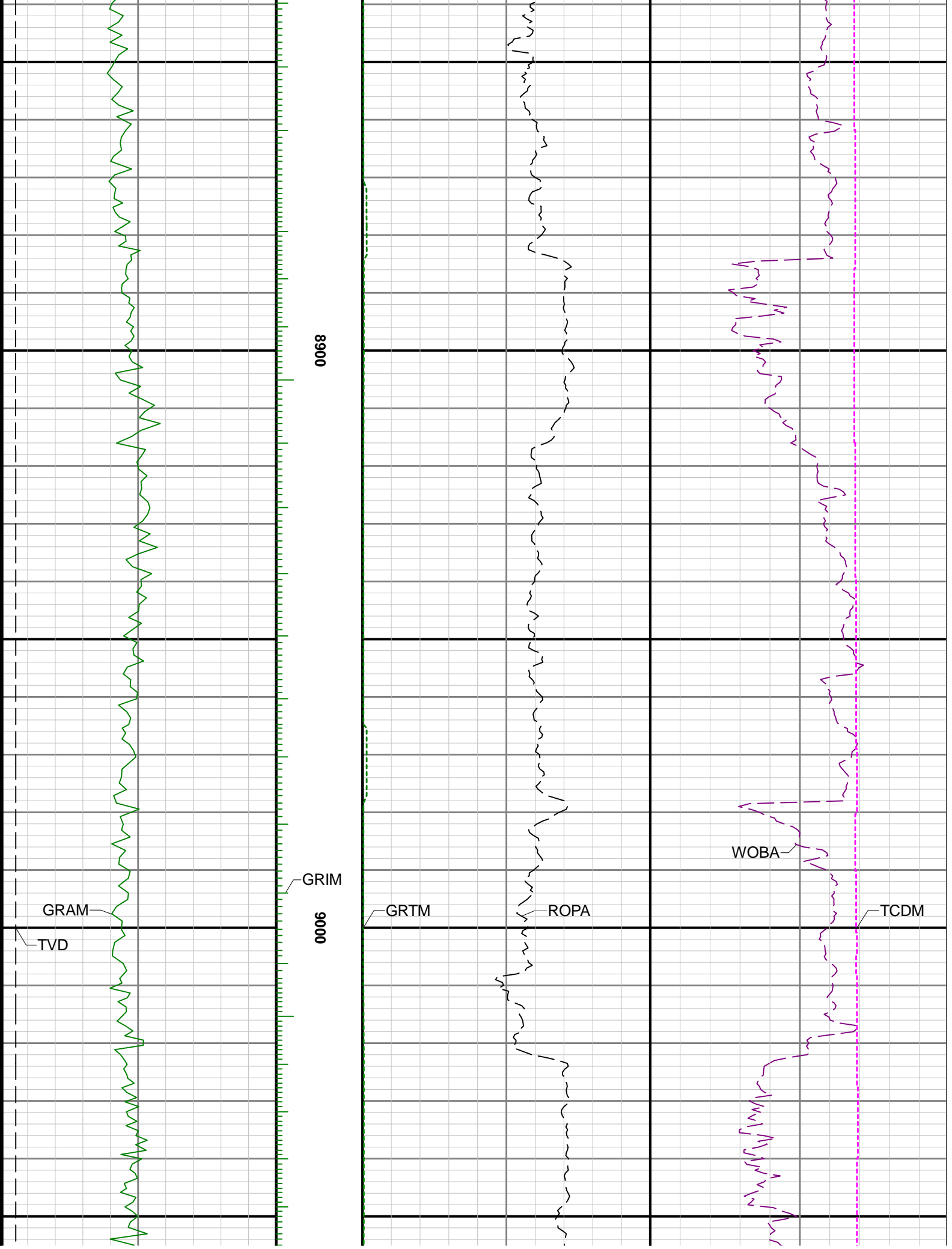


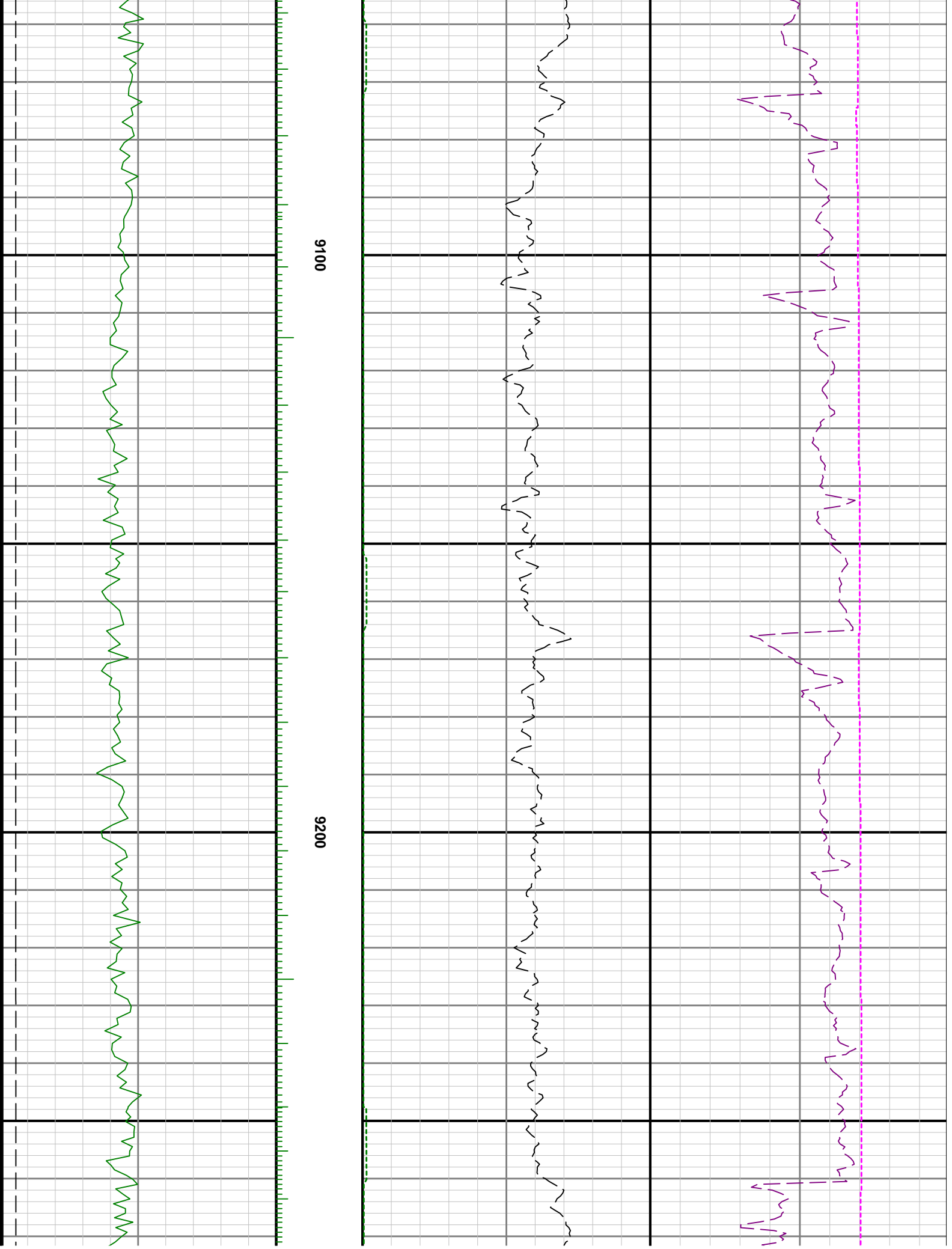


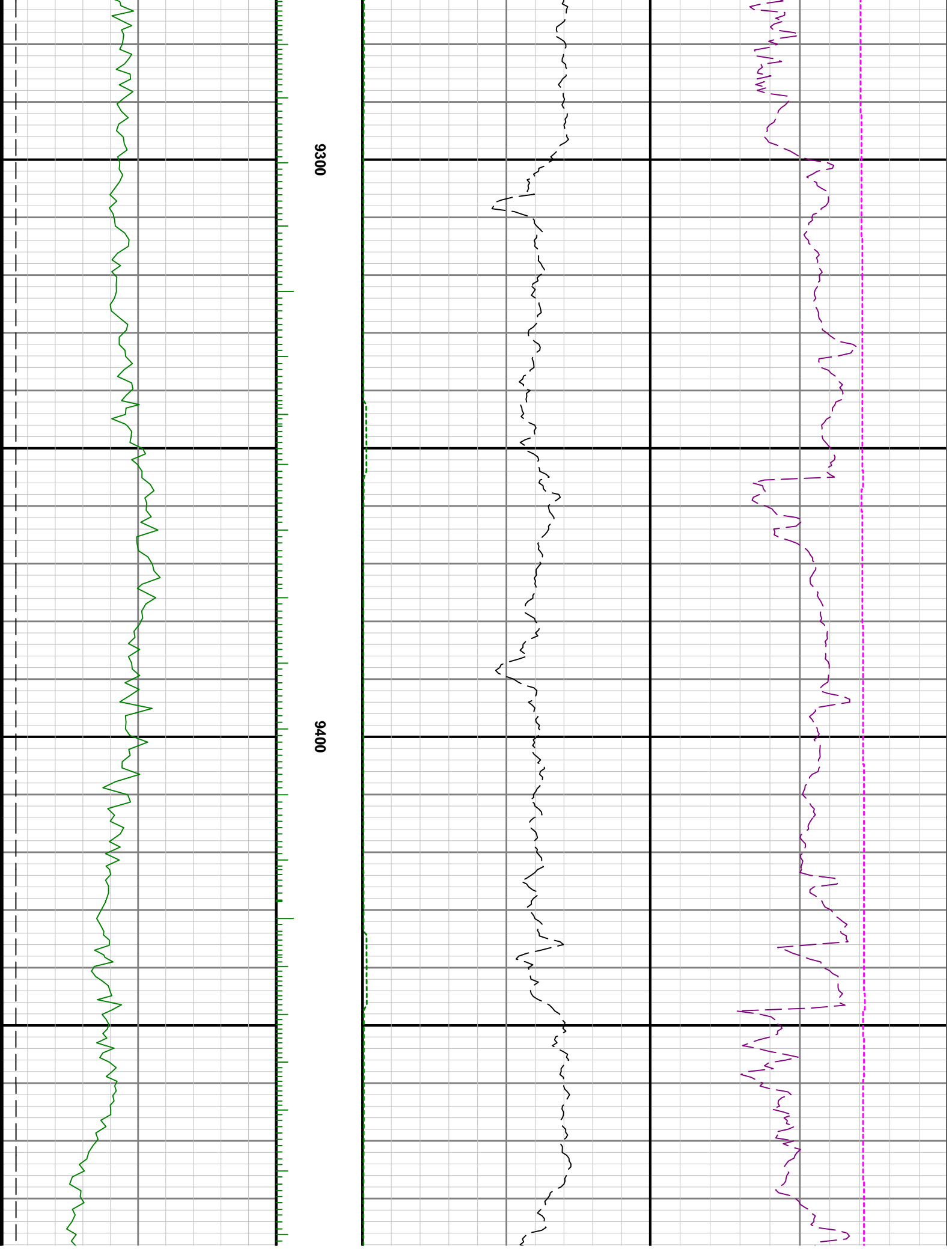
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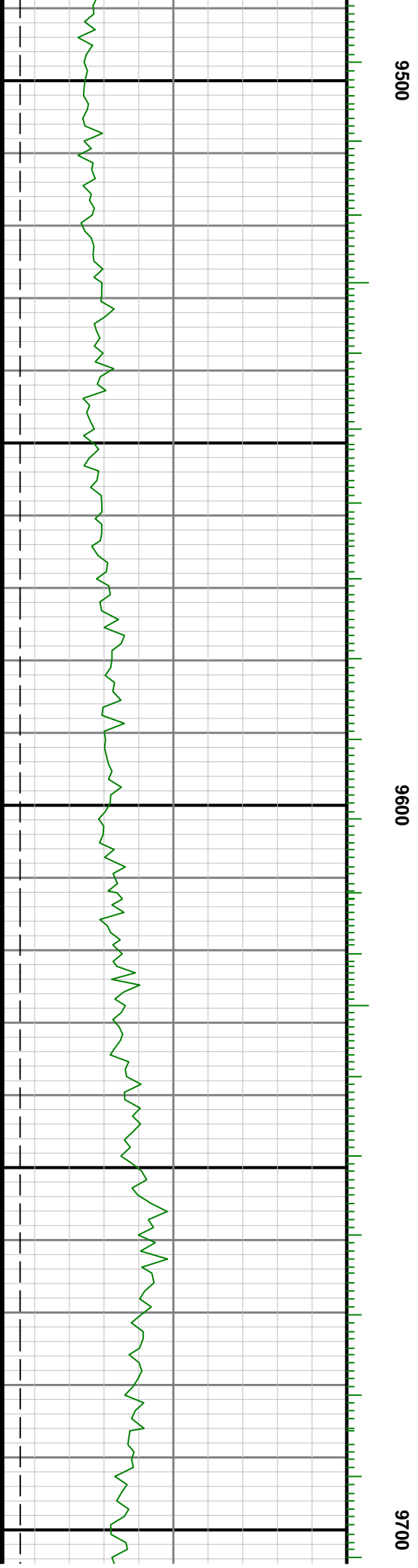
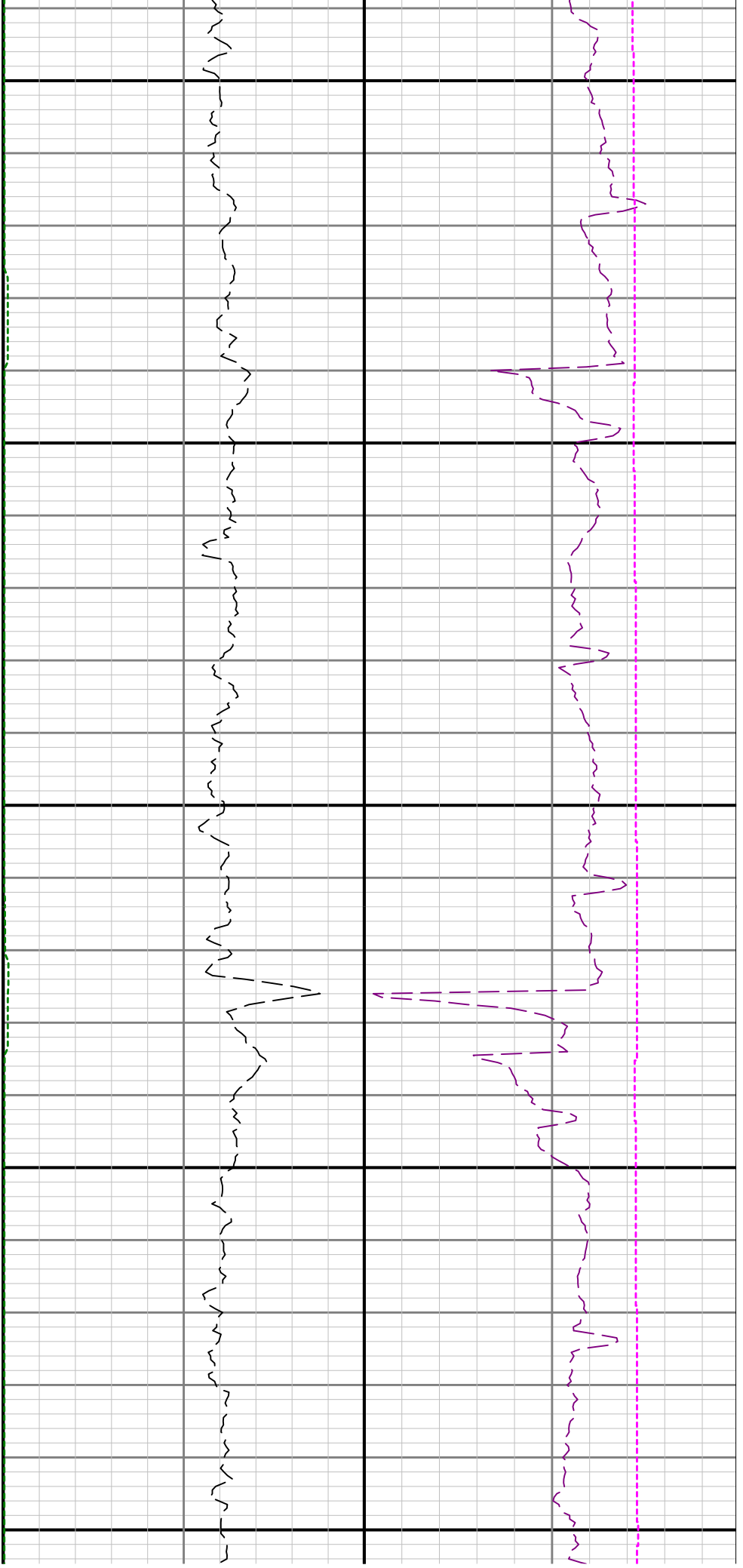
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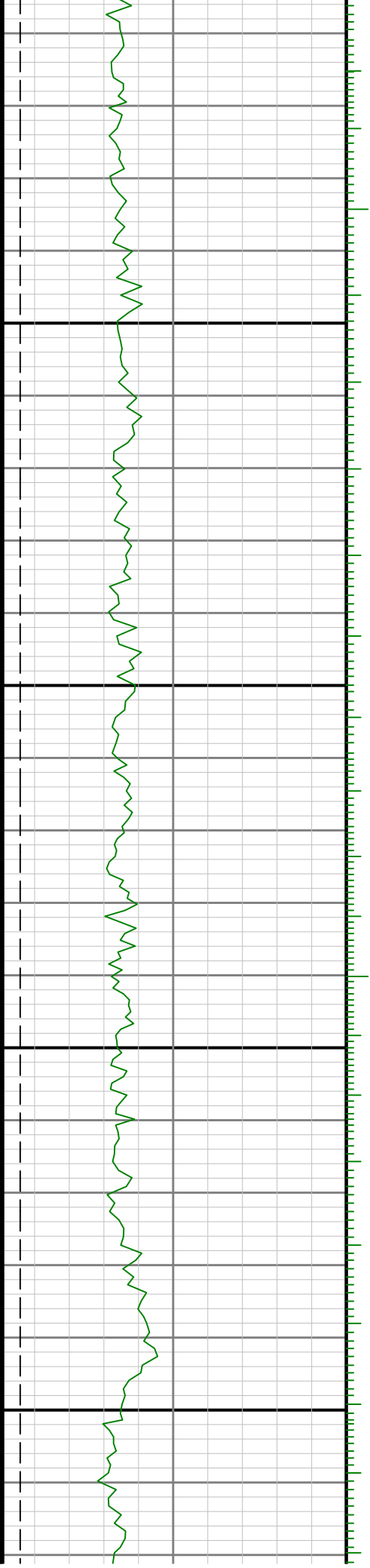






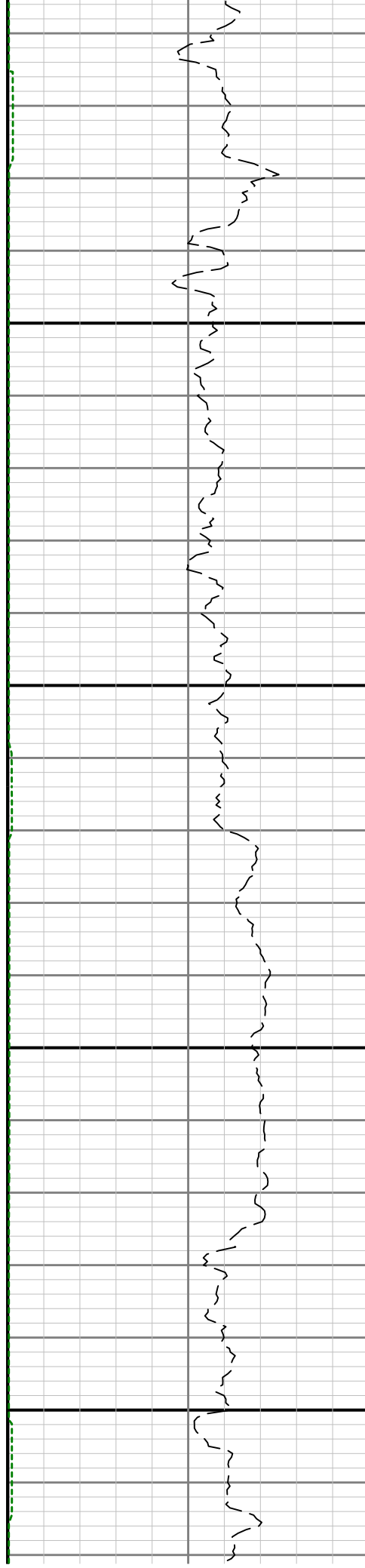


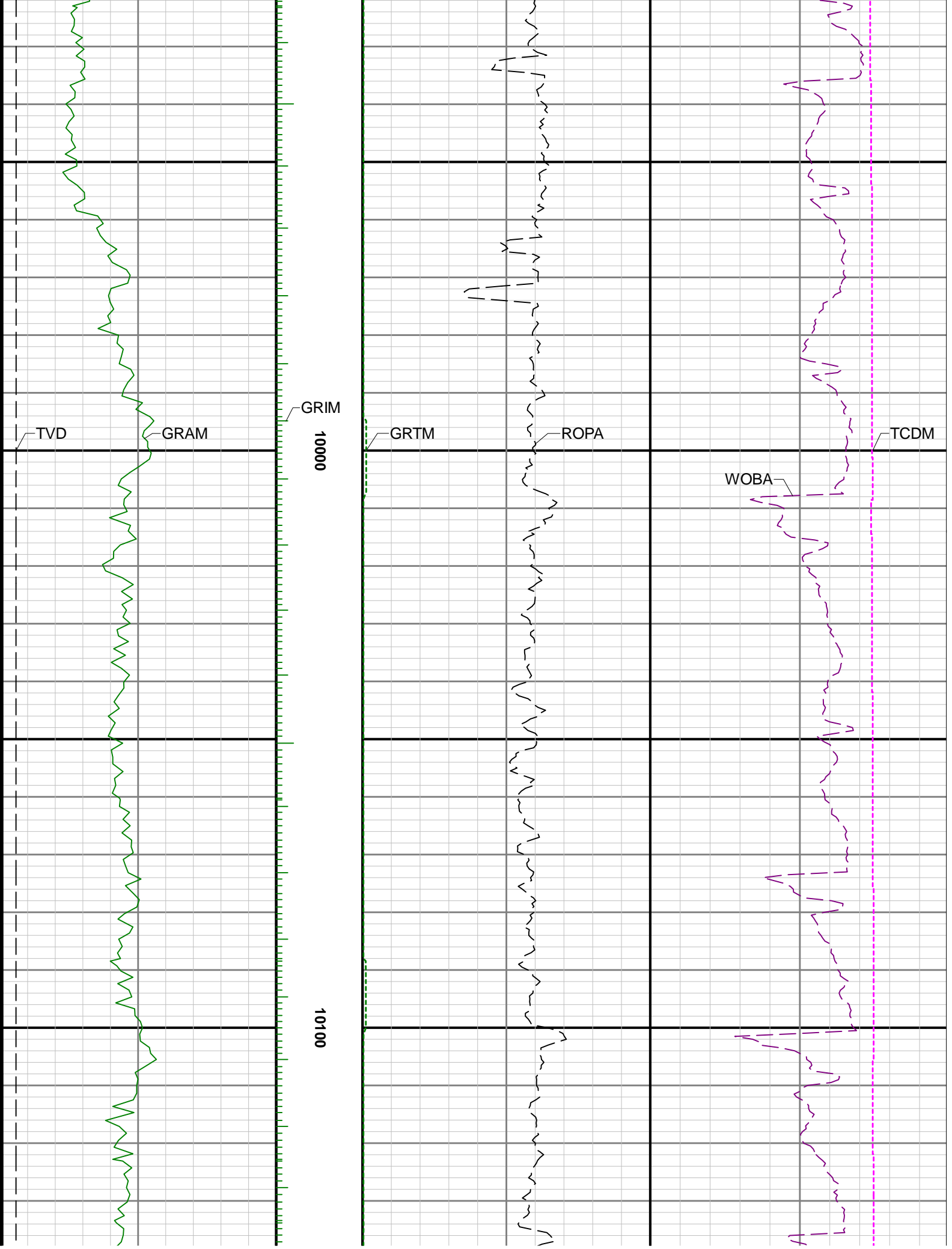


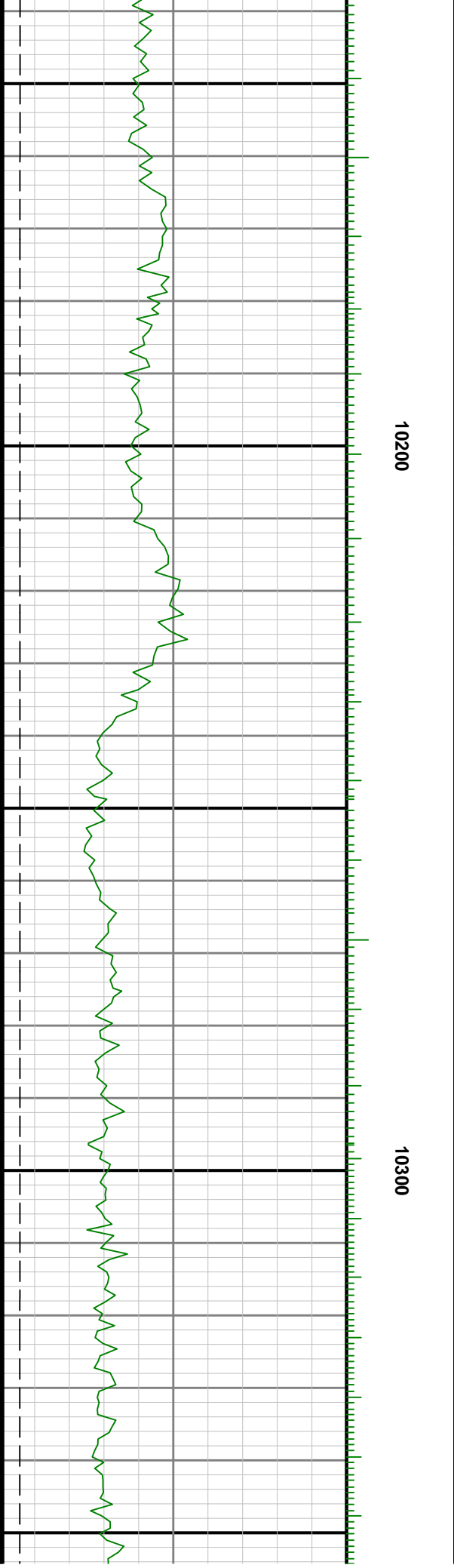
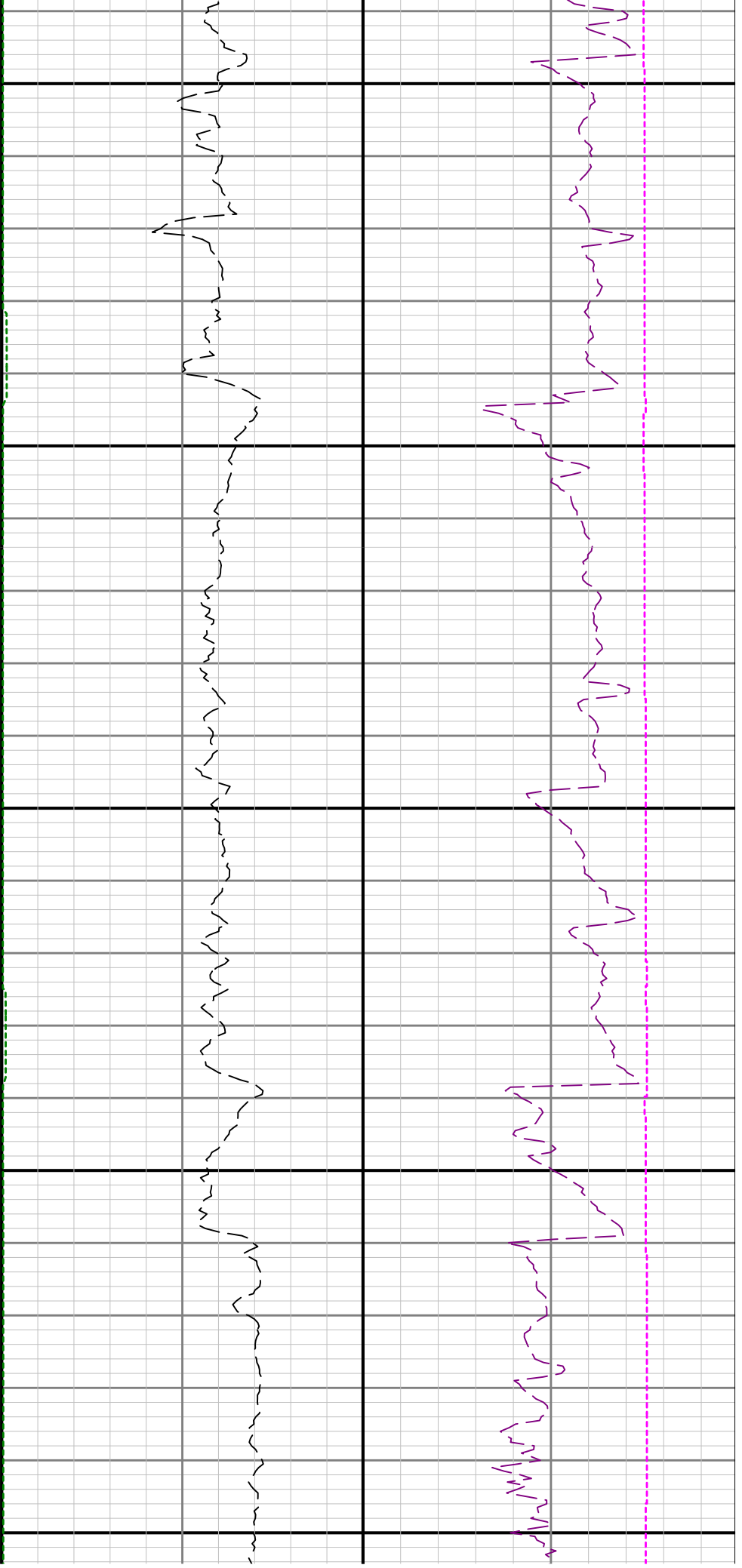


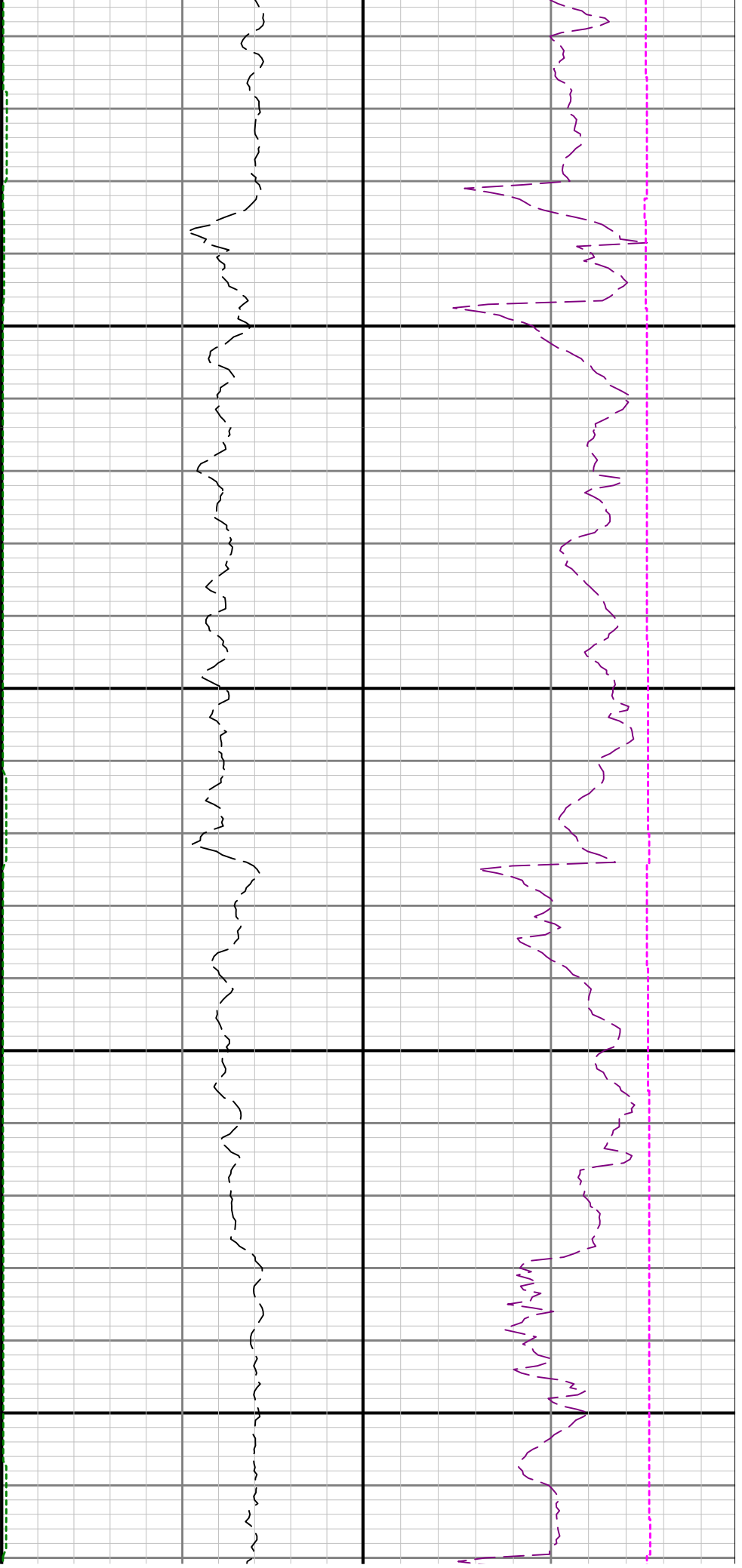
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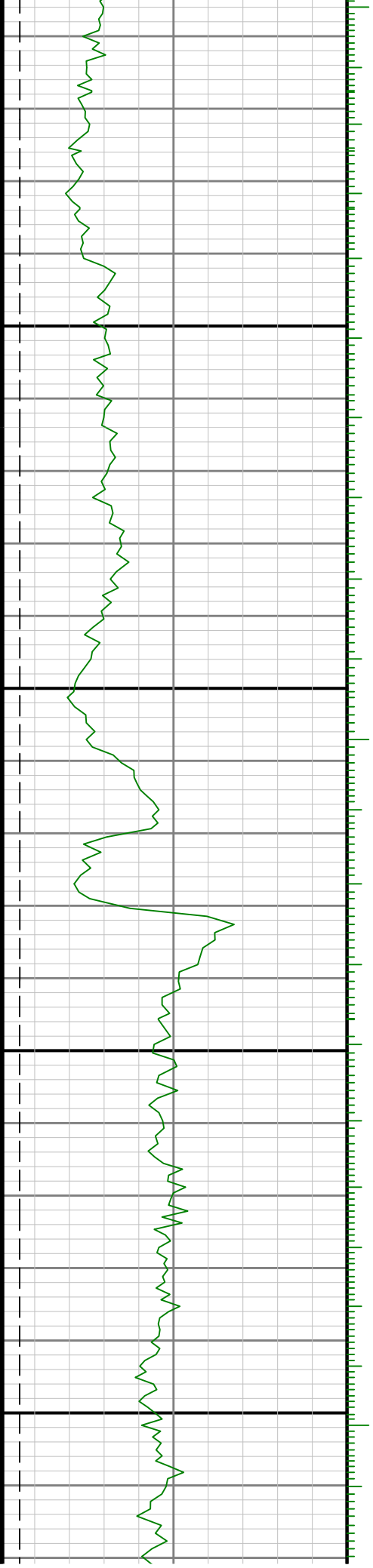


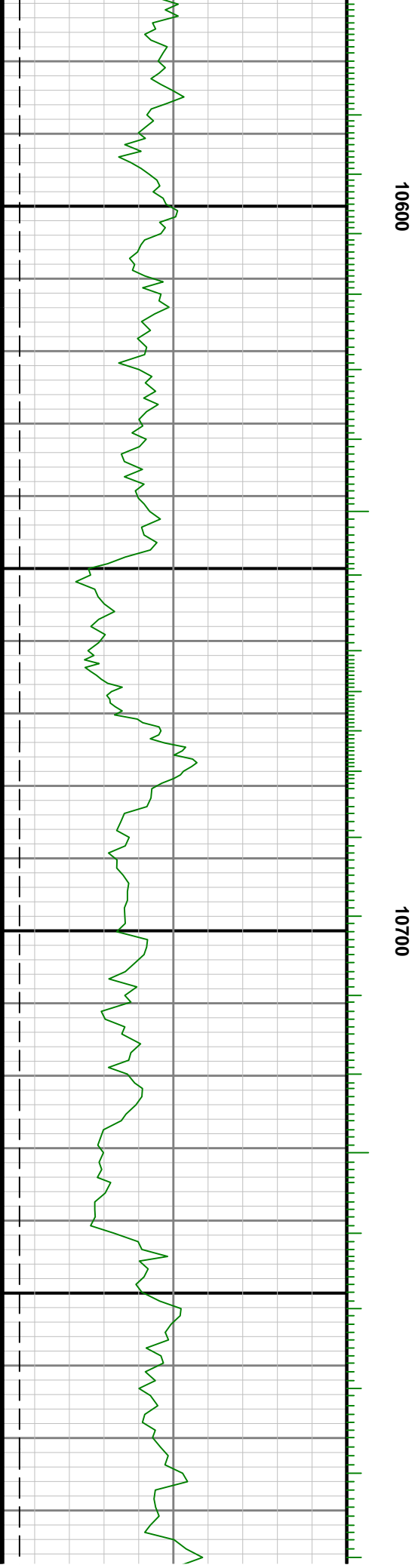
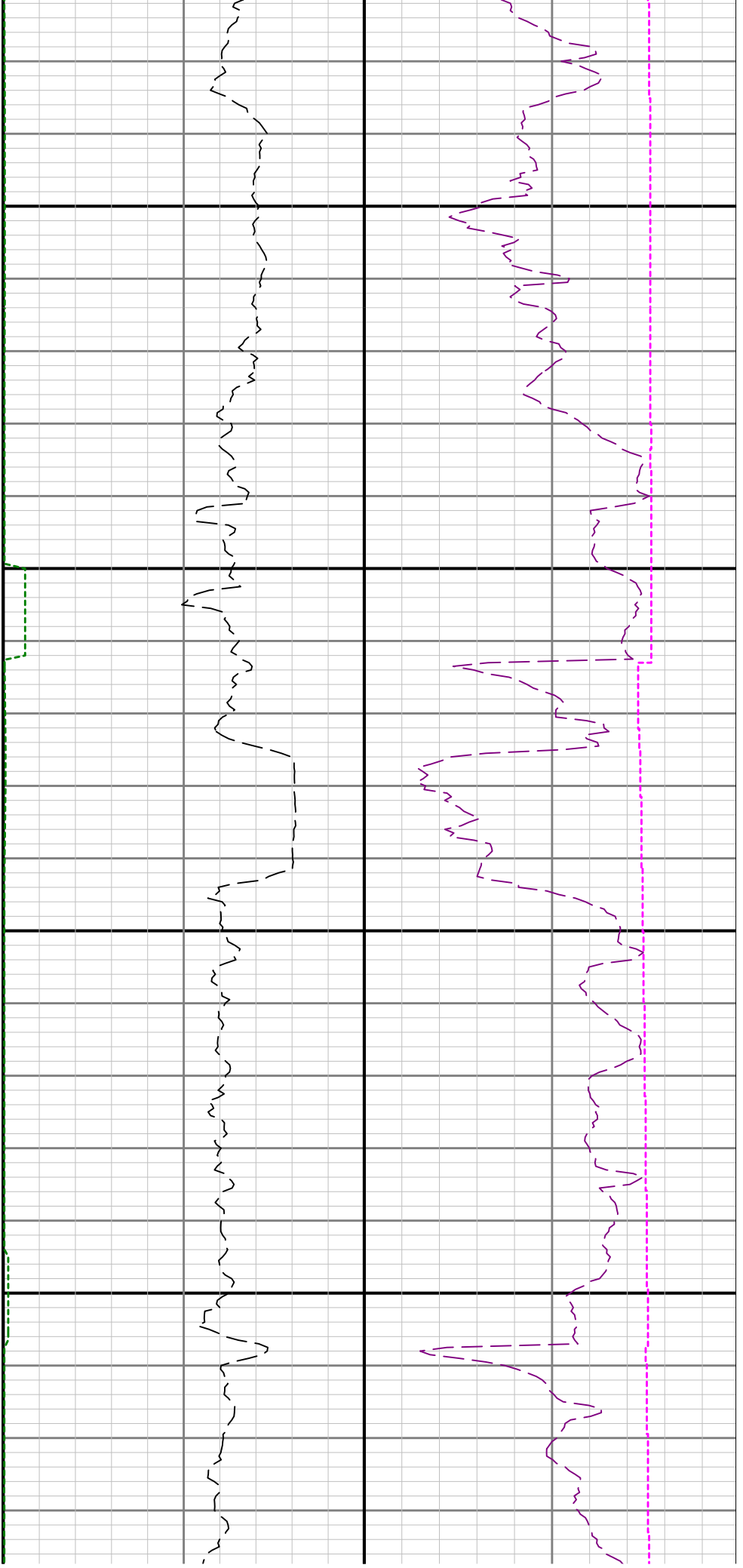


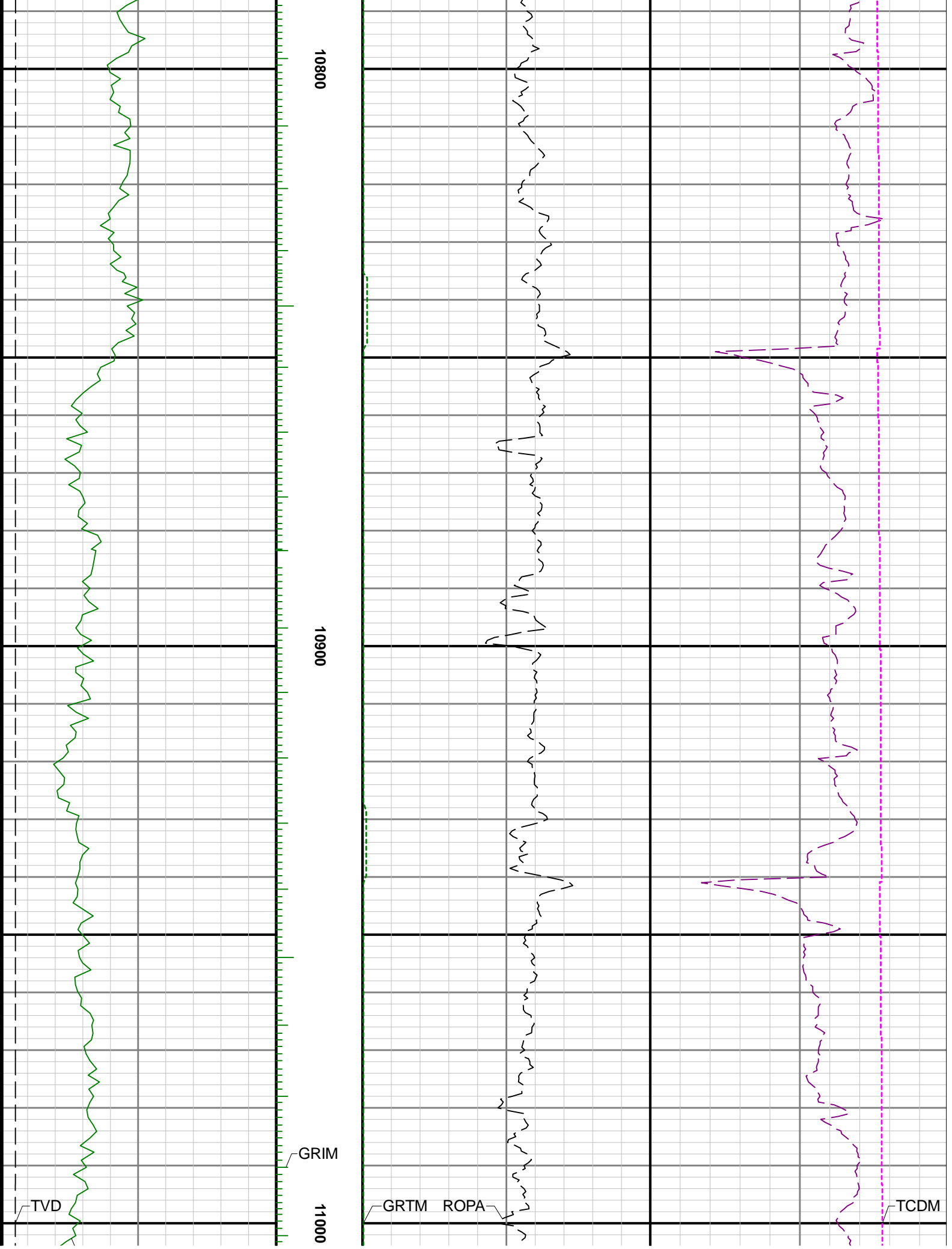


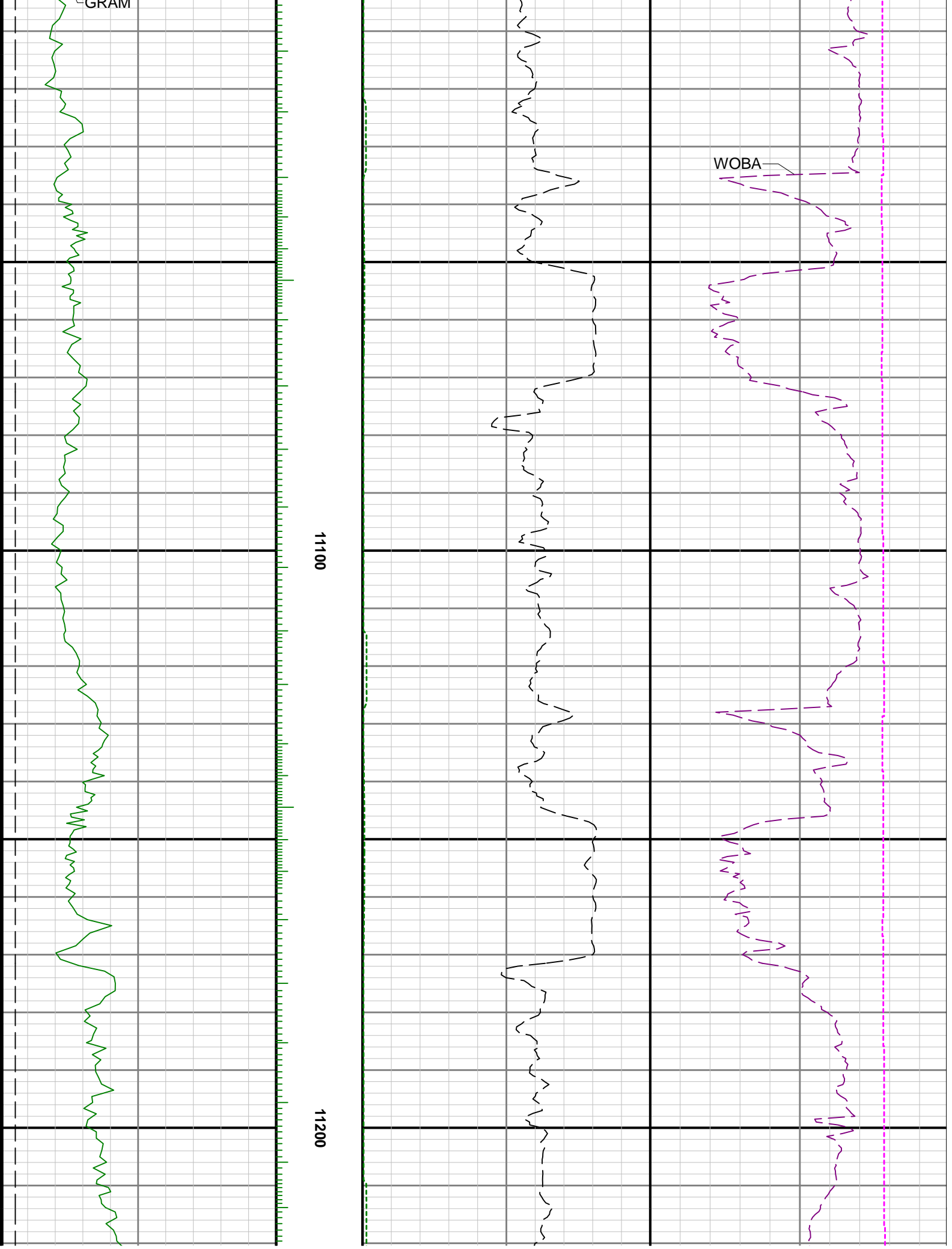
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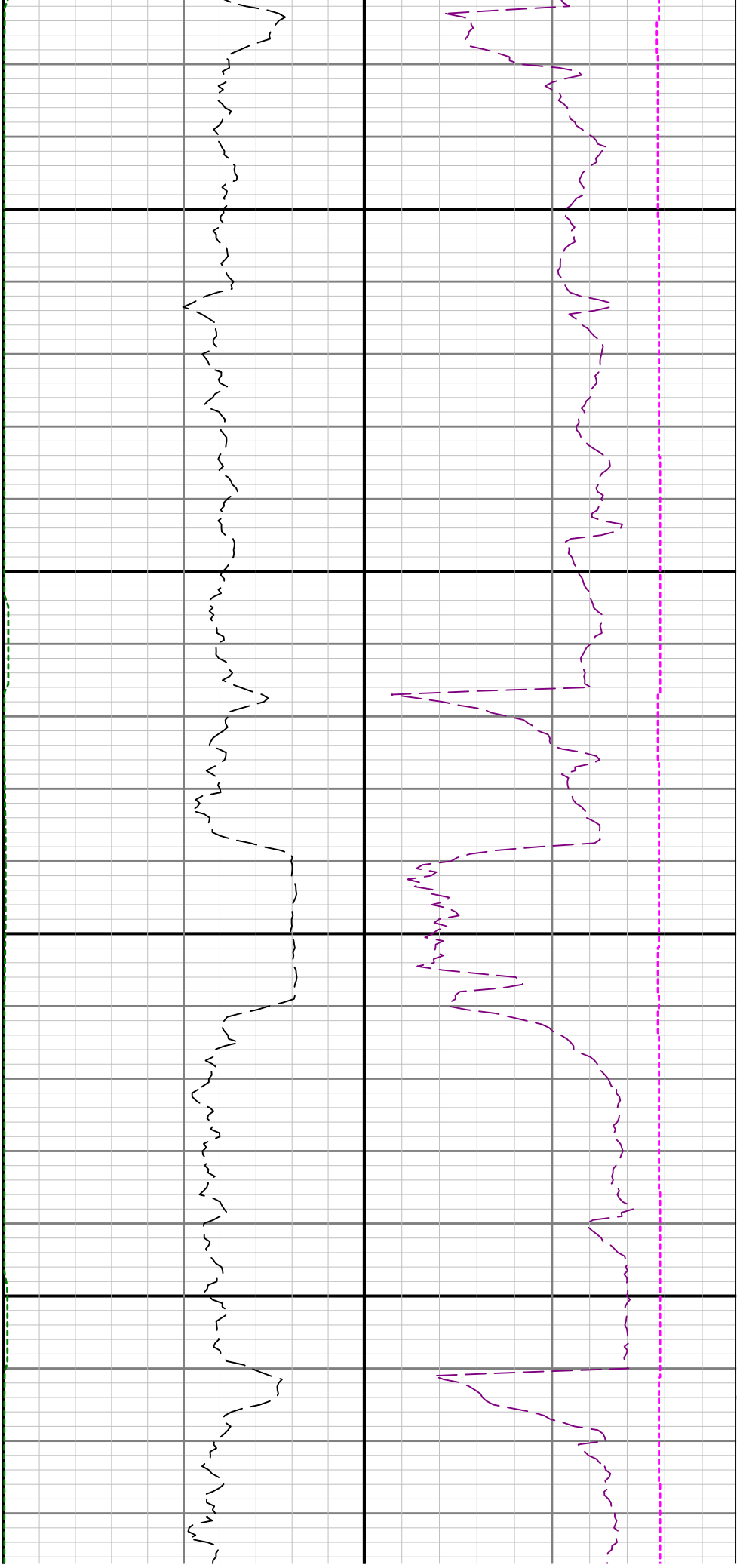
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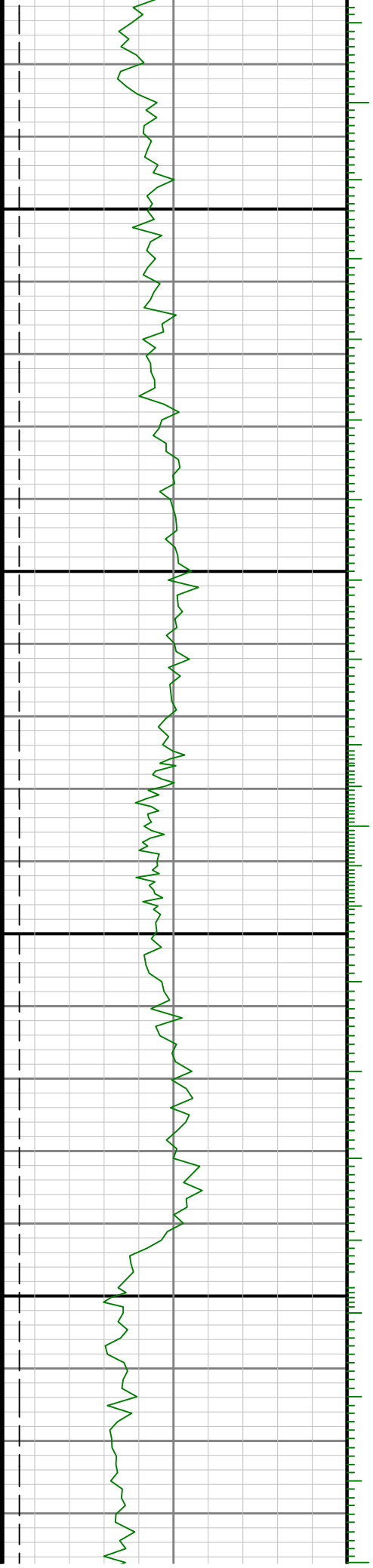


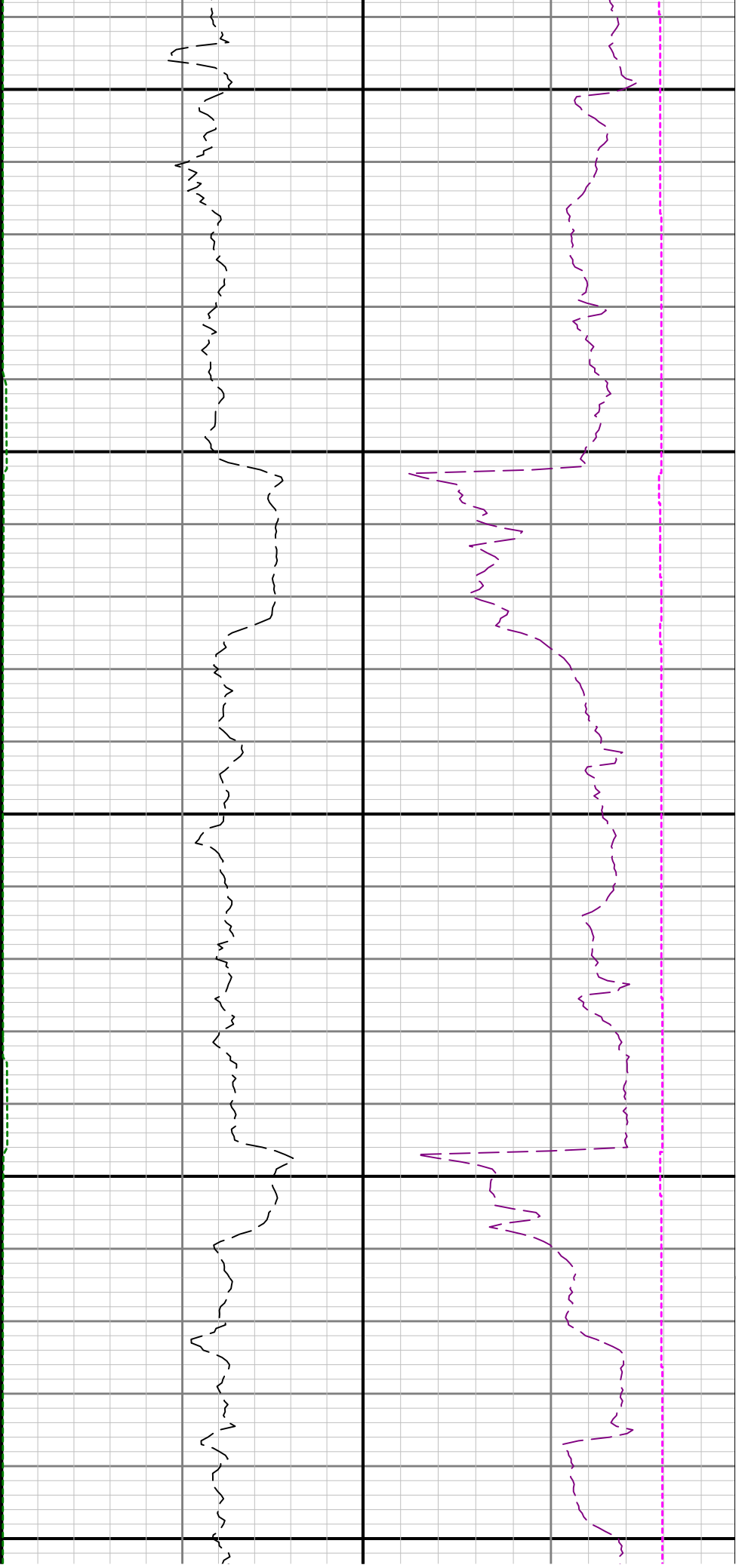




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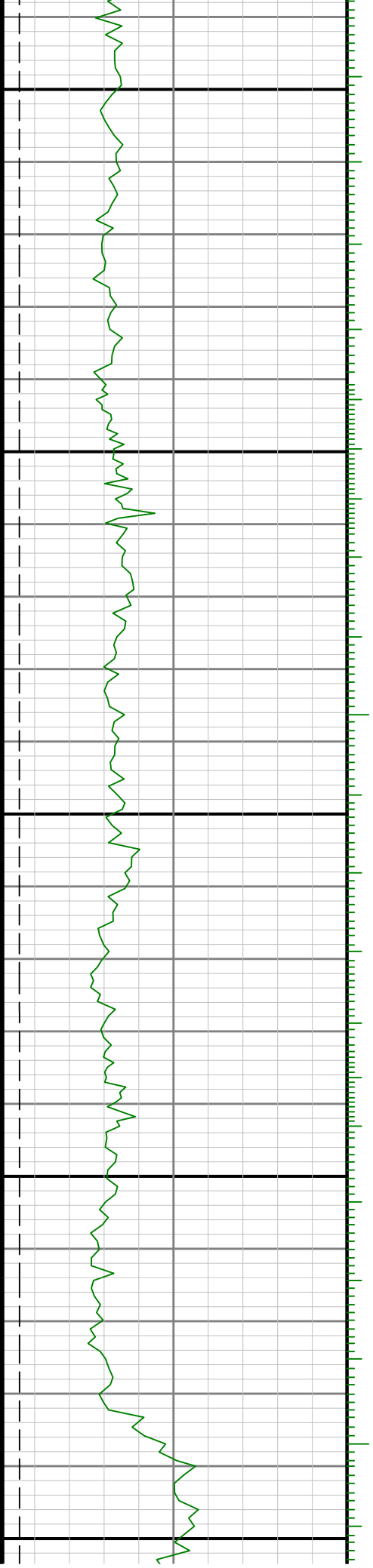
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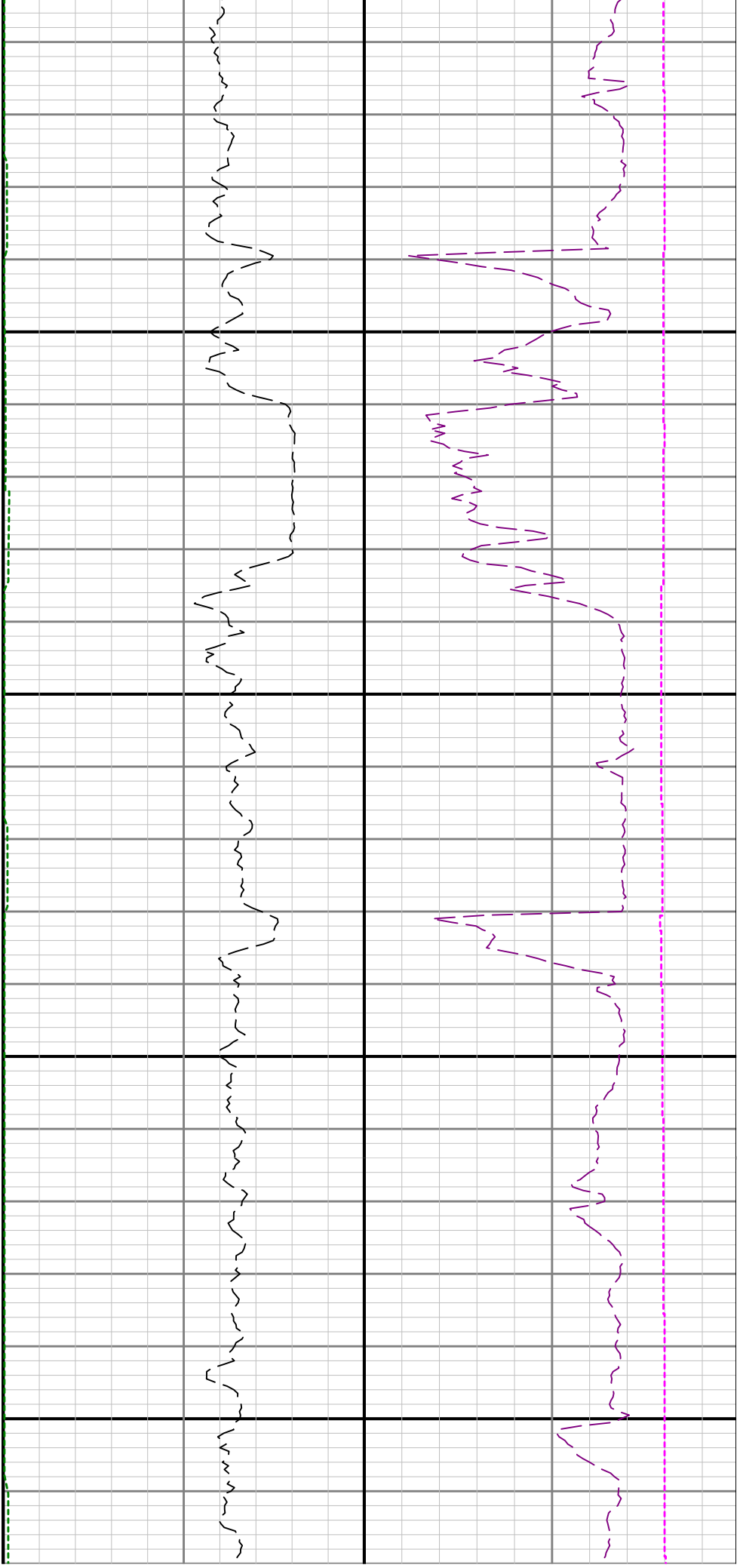




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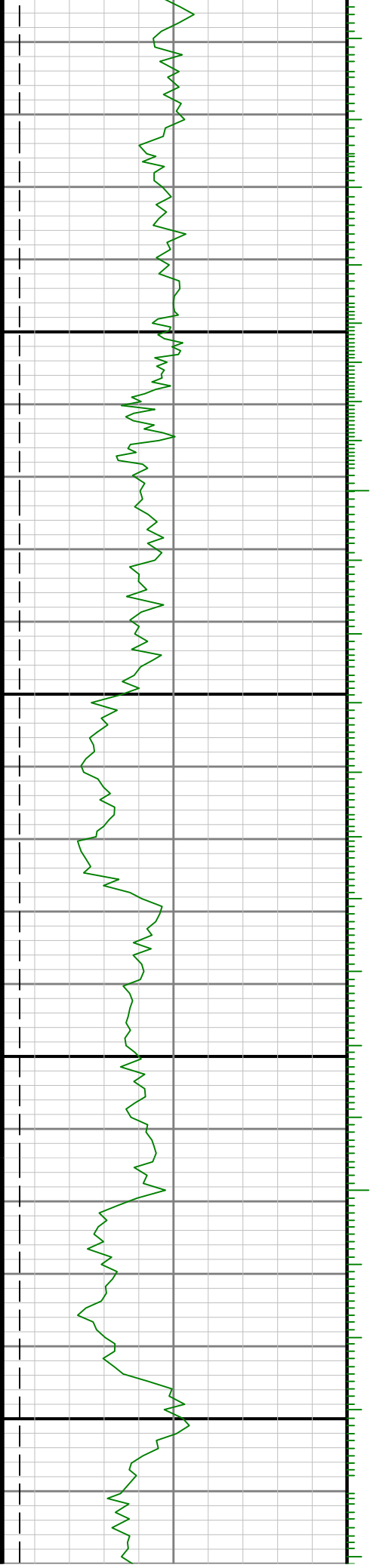
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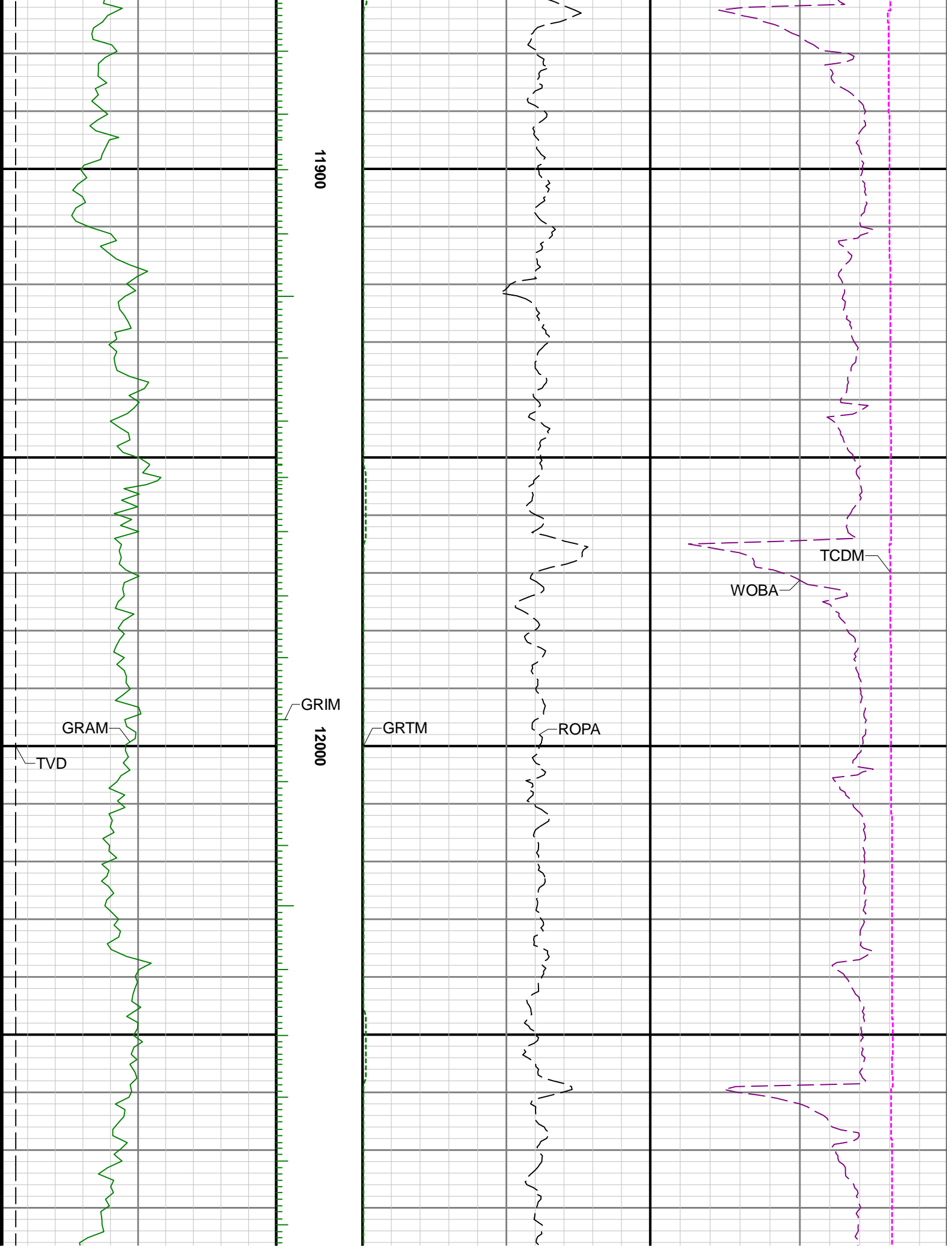


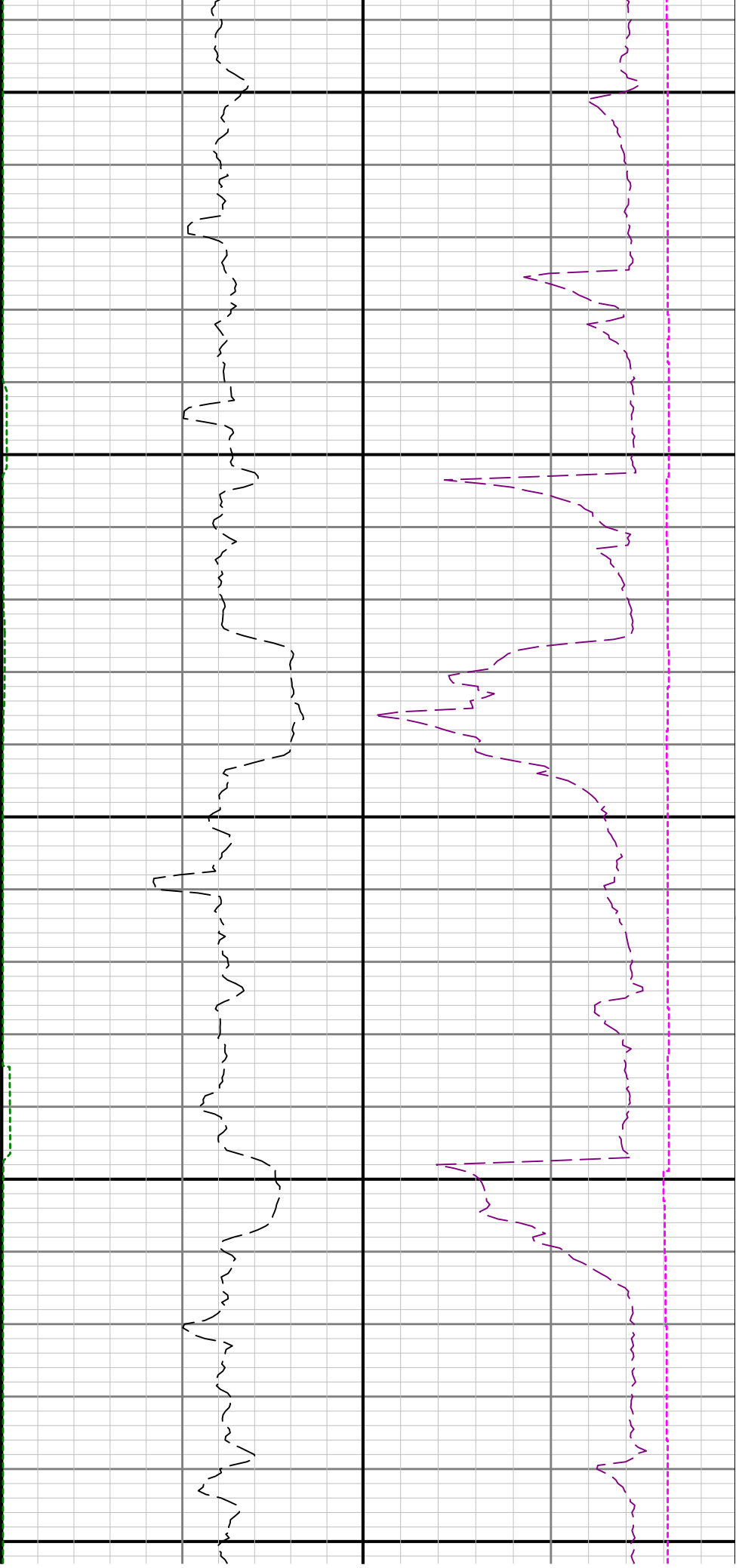


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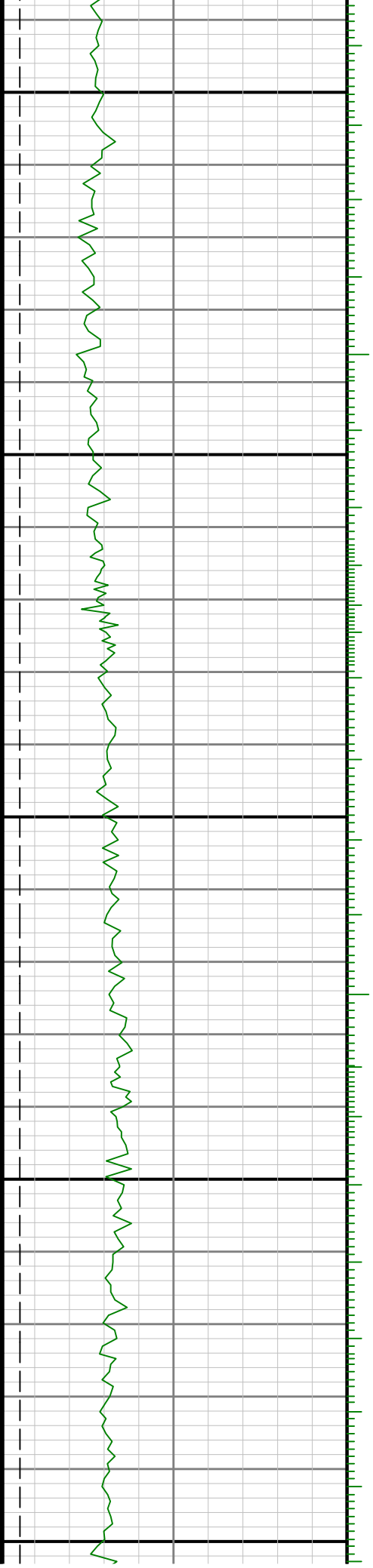


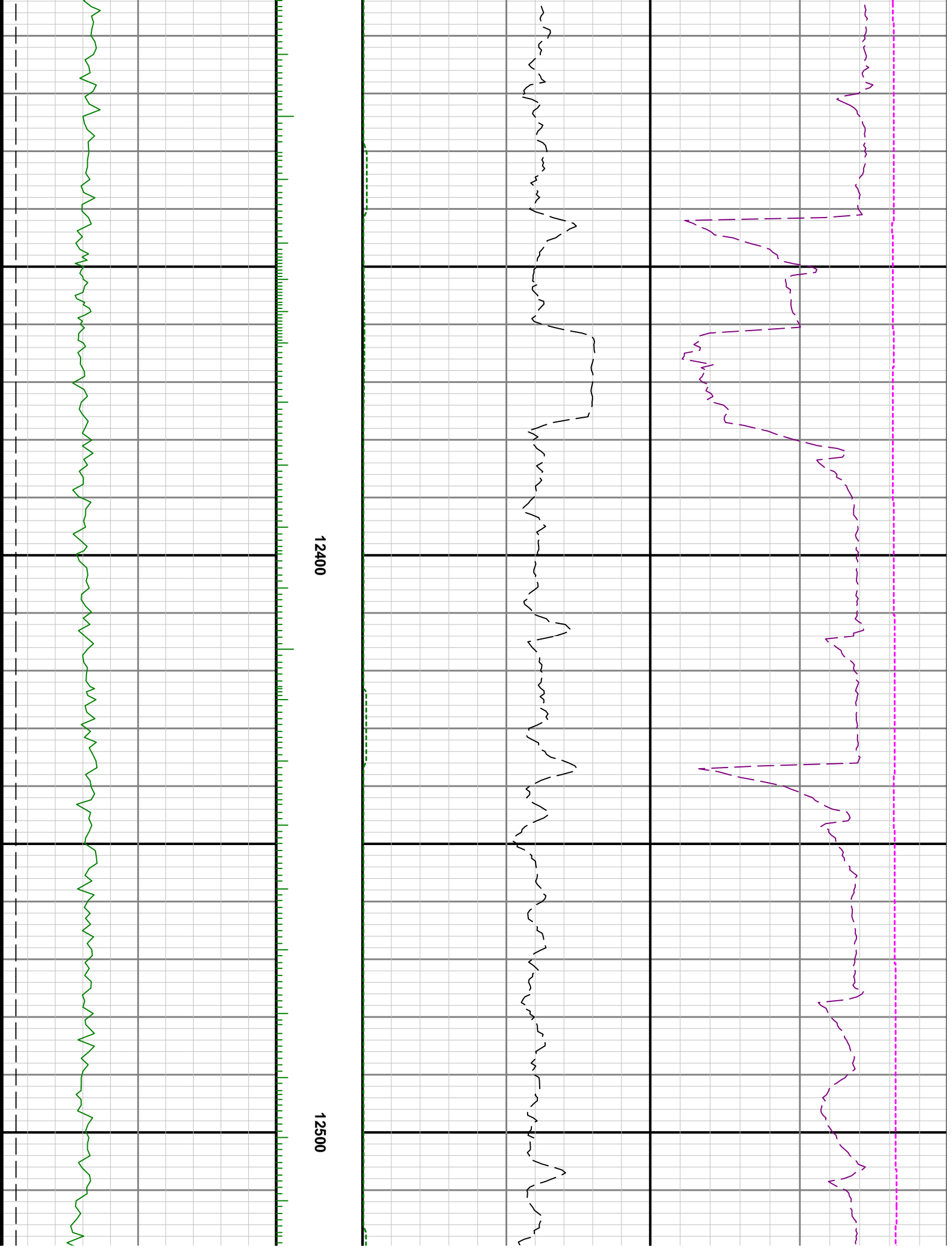


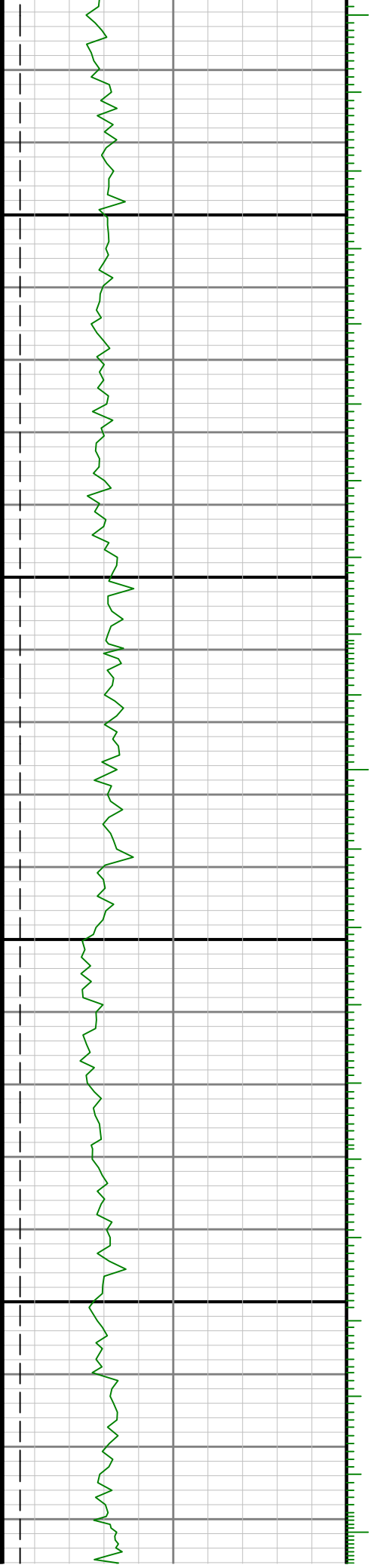
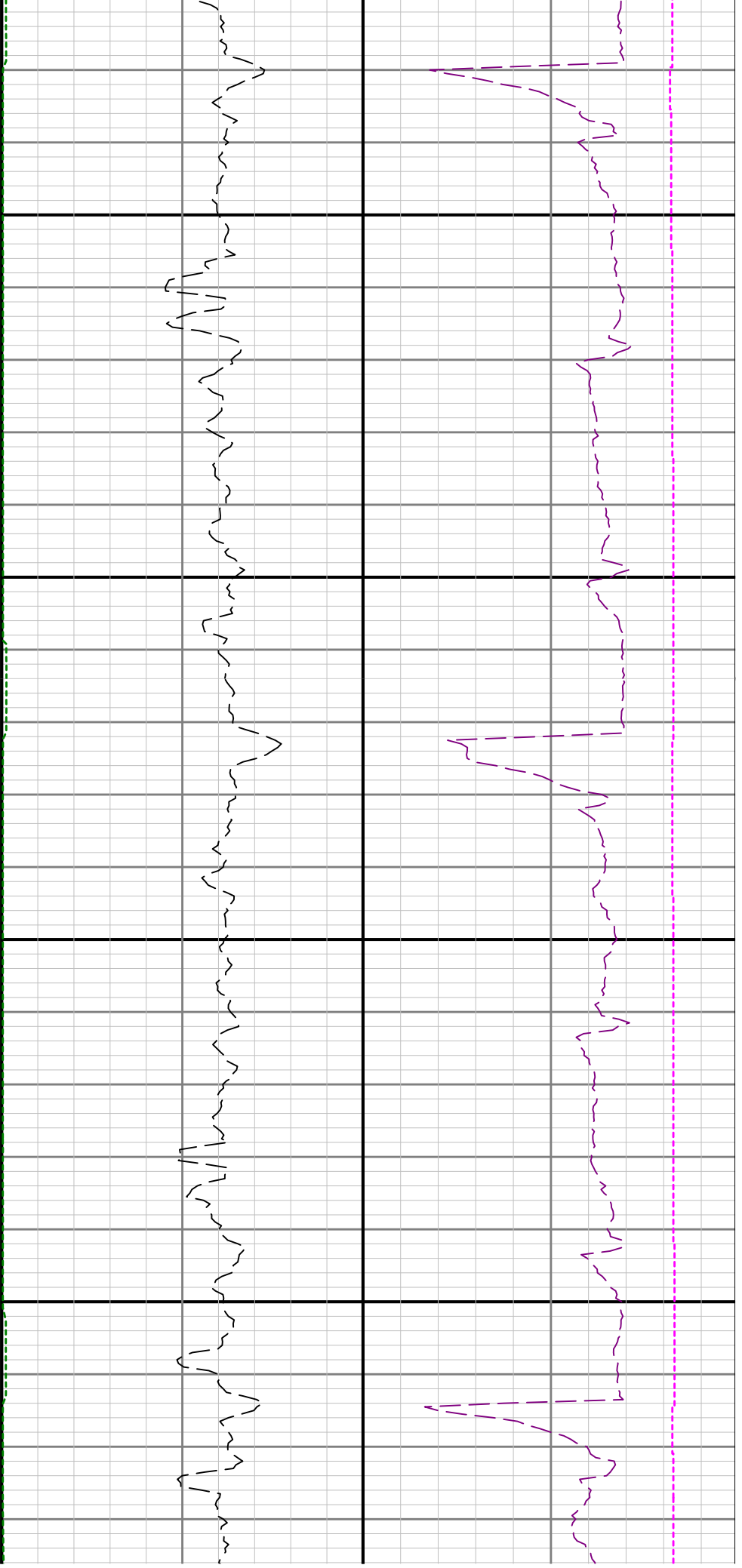
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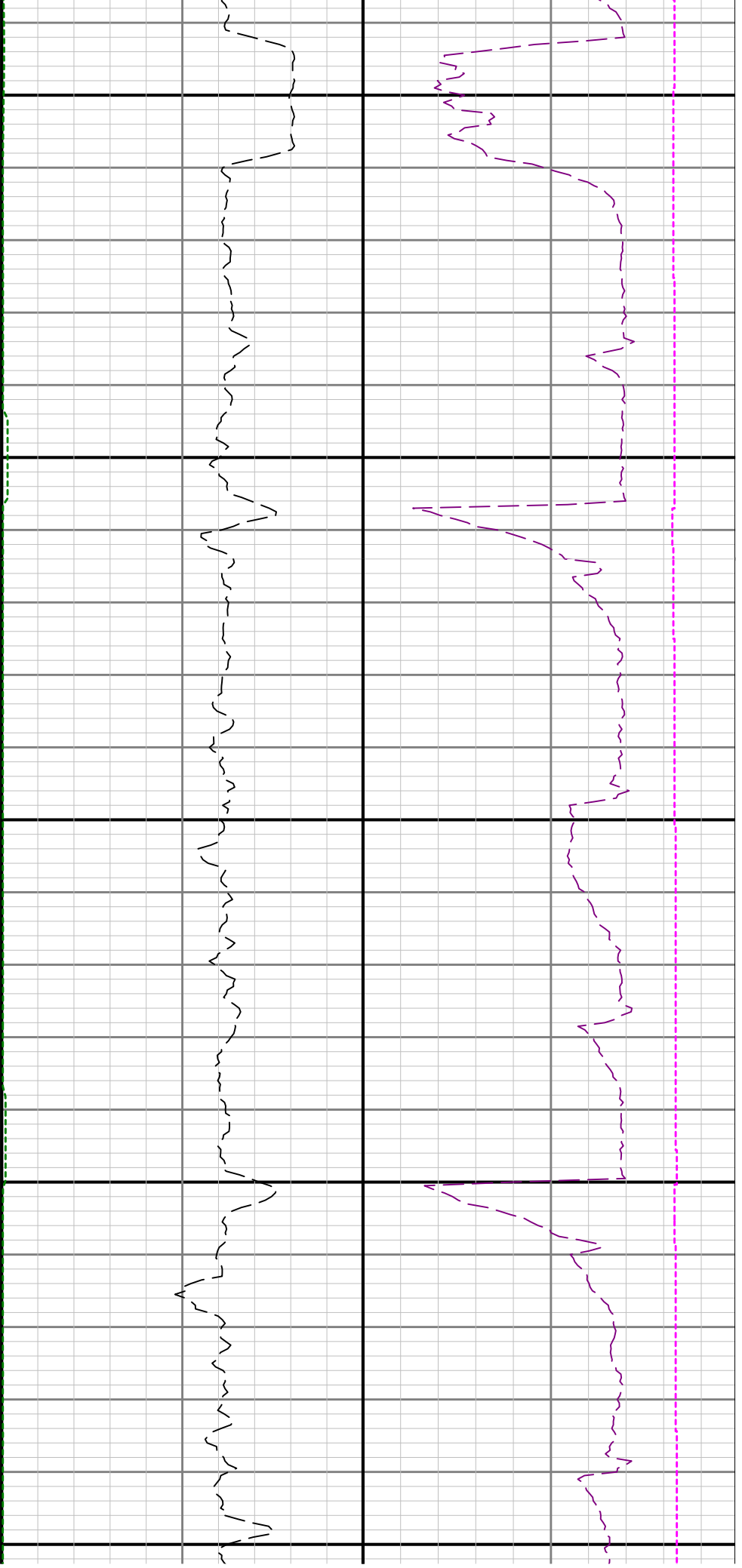
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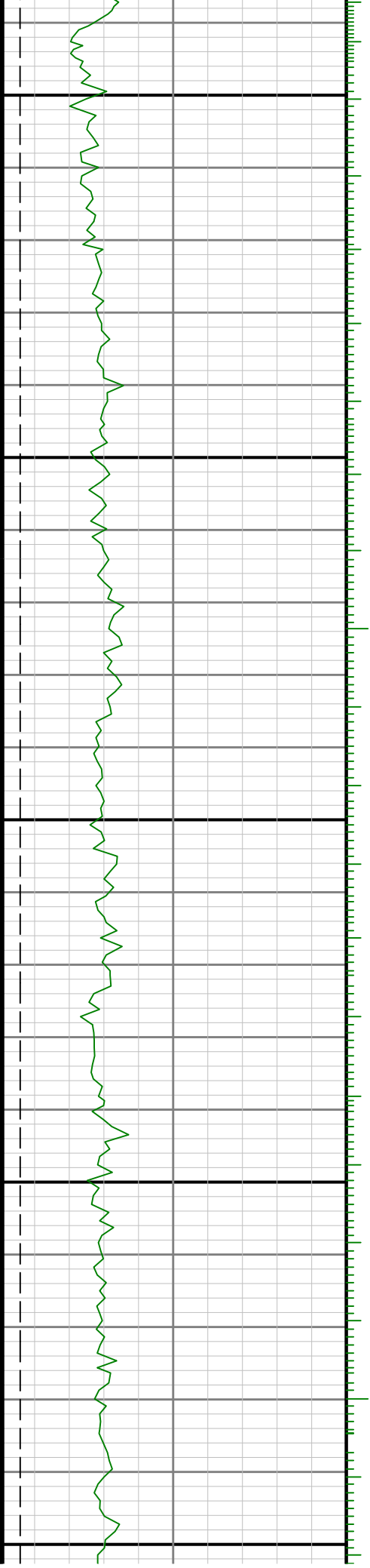


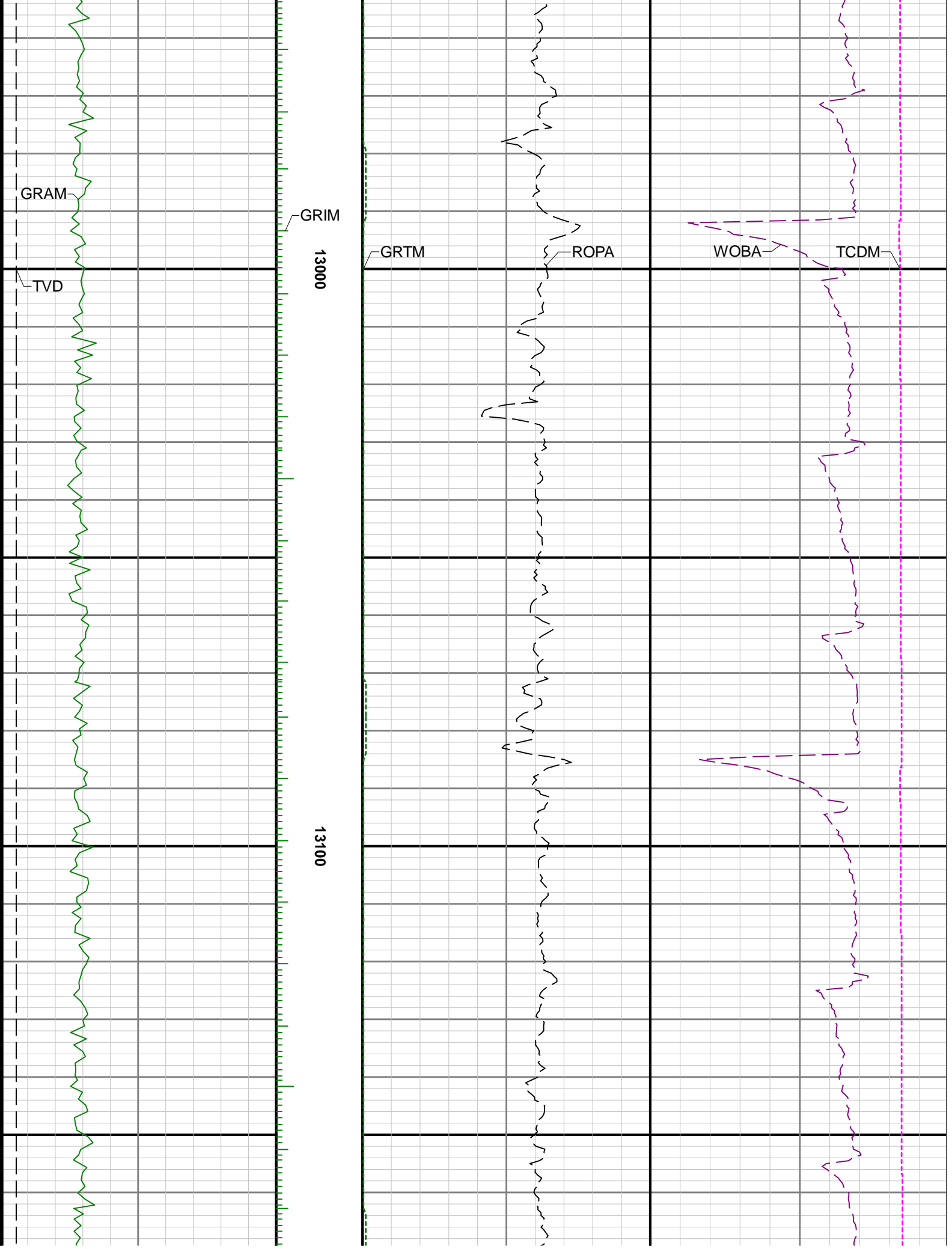


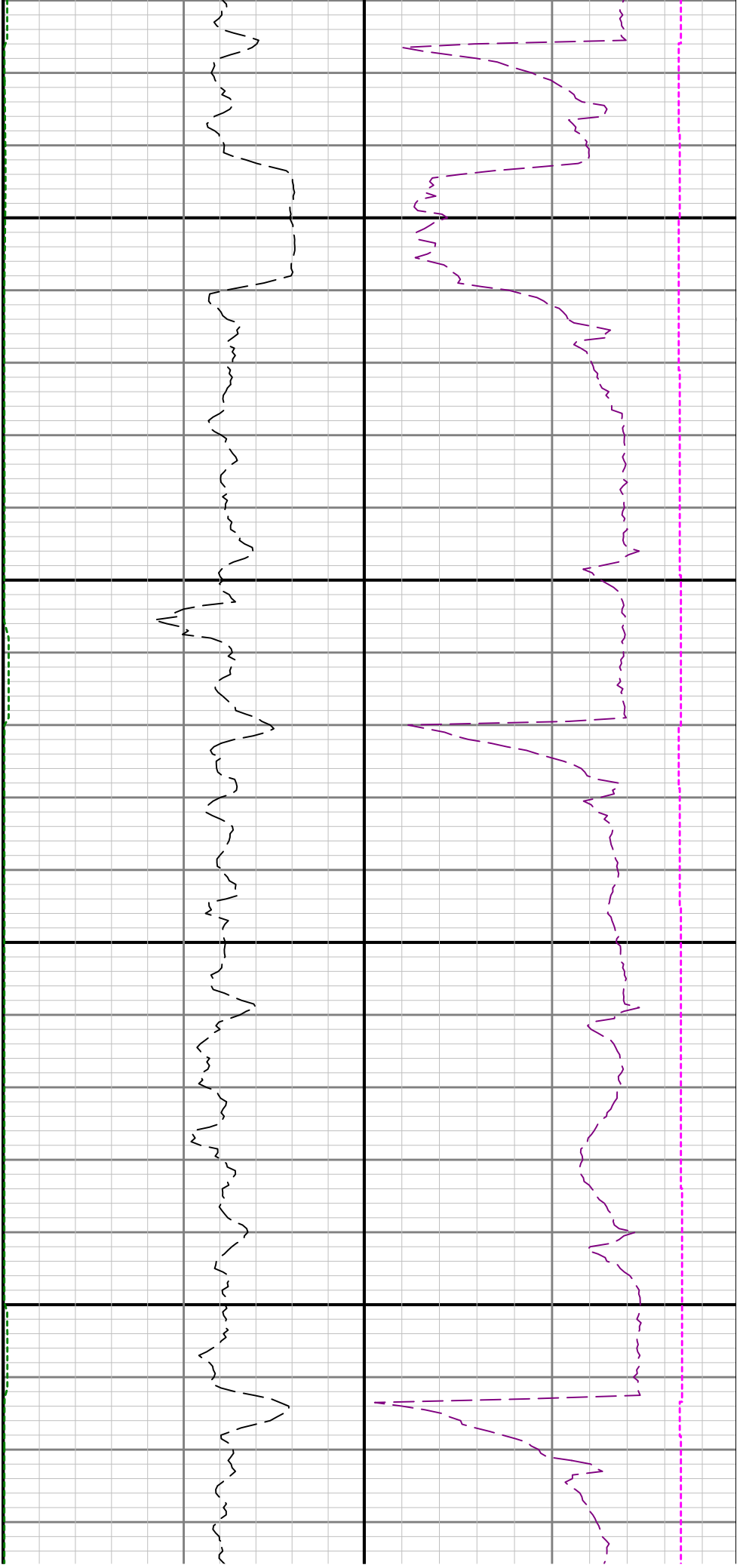


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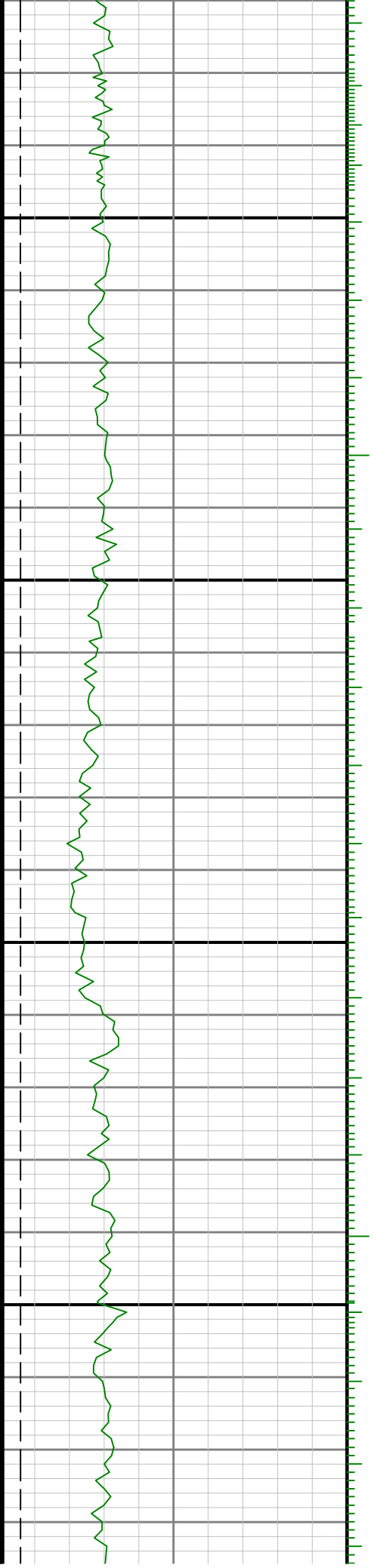






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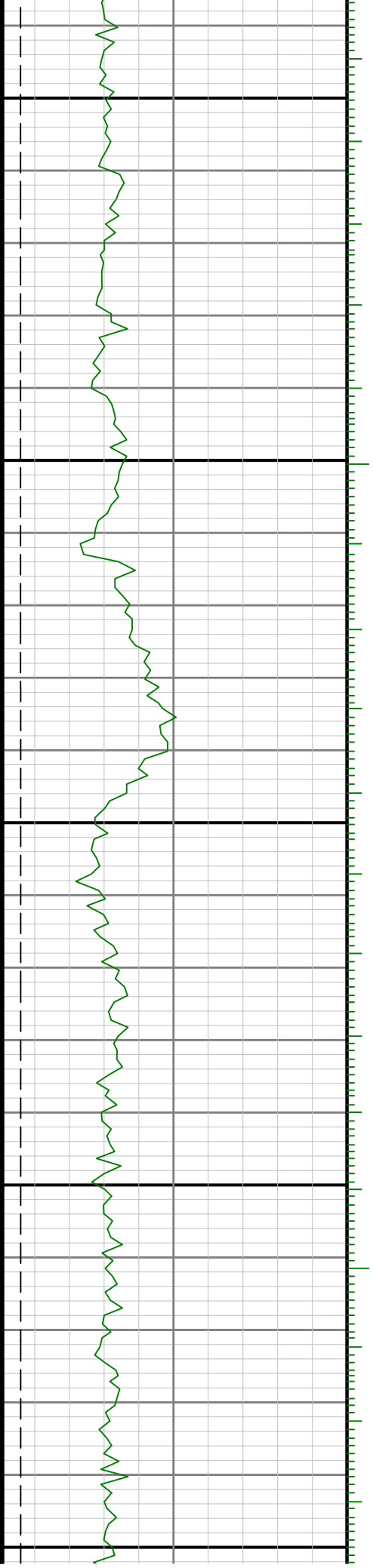


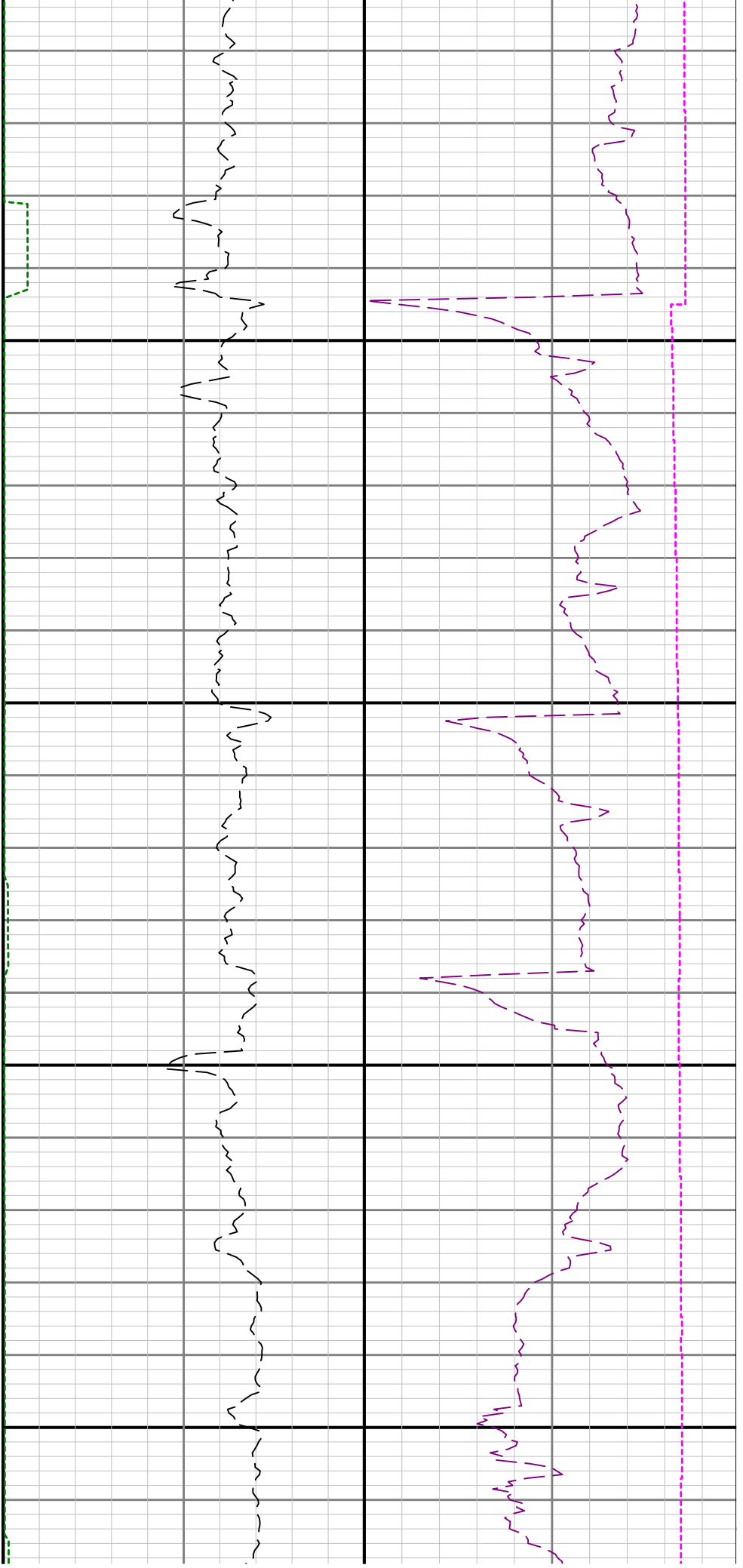


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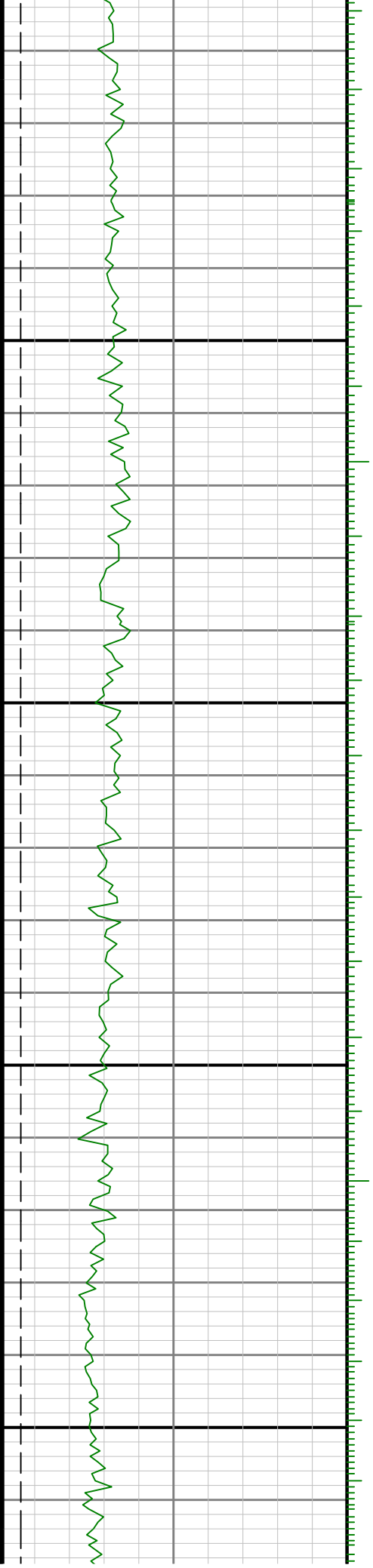
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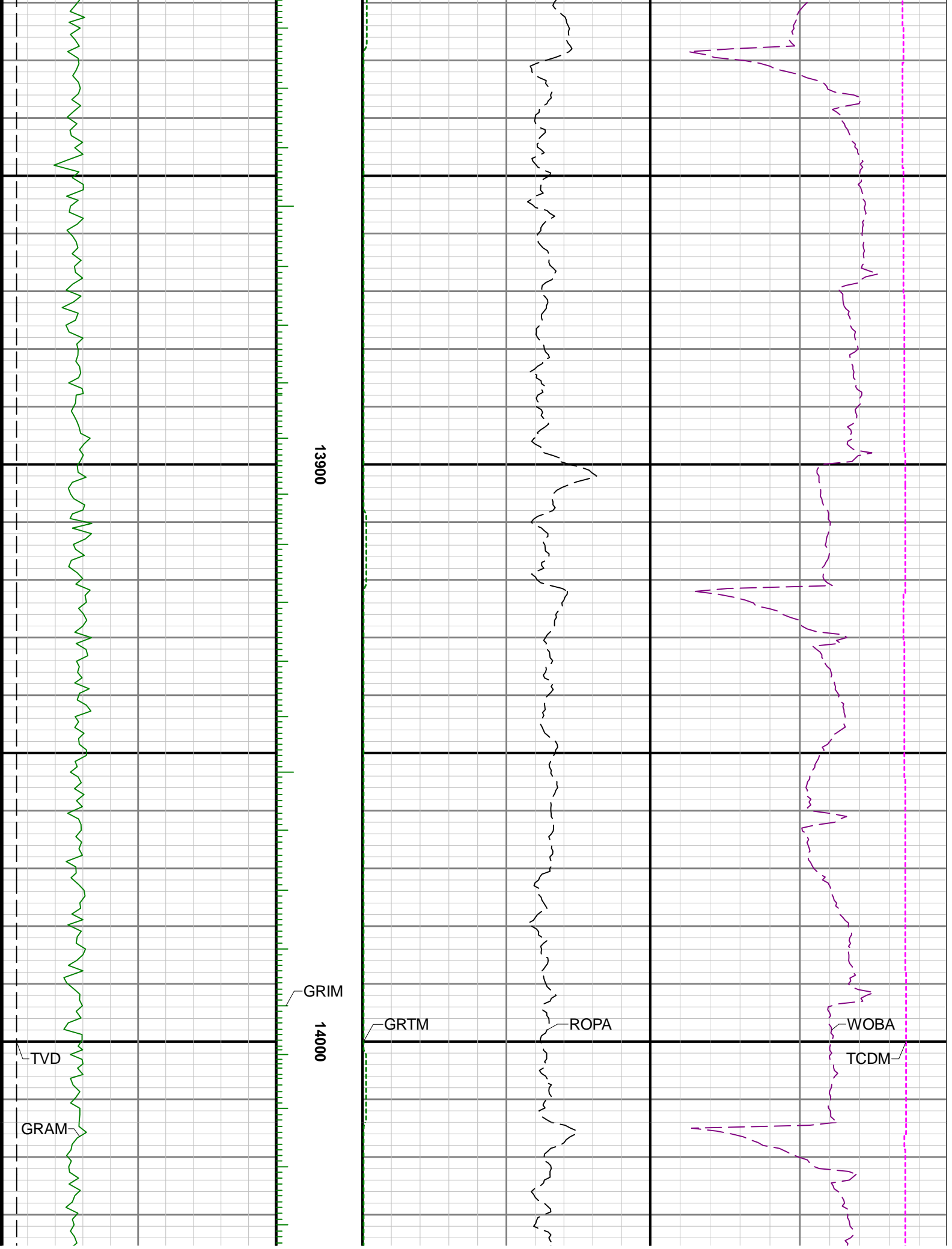


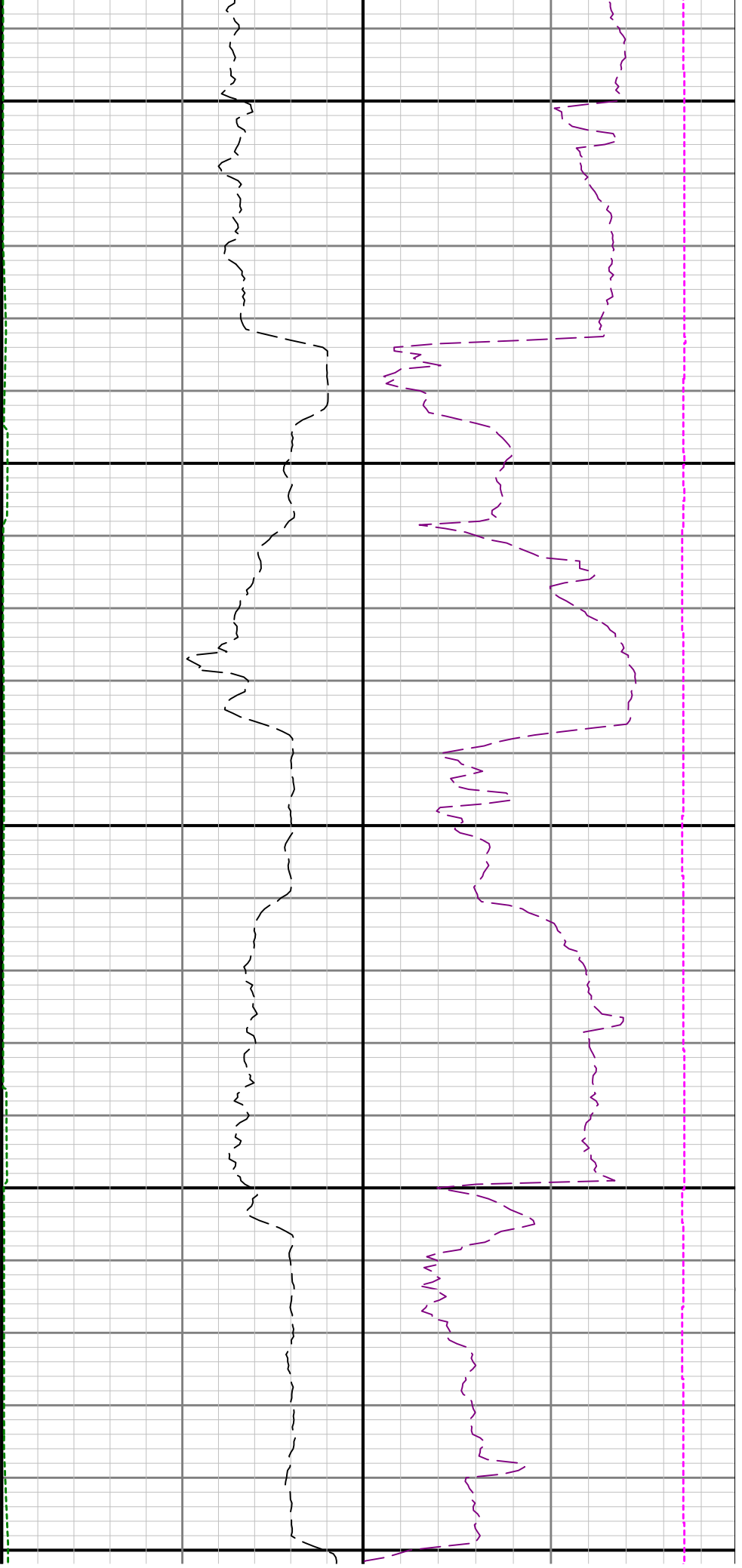


13700

13800







14100

14200

