



1	NaviTrak	11912310	VSS	17.07	59.44	8.125	3.250
2	ATC_SU	14316017	Near Bit Inclination	5.93	6.73	7.000	4.330
2	ATC_SU	14316017	Near Bit VSS	5.93	6.73	7.000	4.330
2	ATC_MWD	11800471	Gamma (single)	2.78	12.90	7.000	3.250
2	ATC_MWD	11800471	Directional (mag)	12.27	22.39	7.000	3.250
3	ATC_SU	12232313	Near Bit VSS	5.93	6.73	7.000	4.330
3	ATC_SU	12232313	Near Bit Inclination	5.93	6.73	7.000	4.330
3	ATC_MWD	12899370	Gamma (single)	2.75	12.90	7.000	3.250
3	ATC_MWD	12899370	Directional (mag)	12.27	22.42	7.000	3.250

Service and Tool Mnemonics

Mnemonic	Name	Description
NTK	NaviTrak	Probe Based Directional Module, NaviTrak Platform
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 drilling services run 1 utilized an 8 inch NaviTrak Service (Directional only) behind a 13 1/2 inch bit and steerable assembly from 17 to 1774 feet MD (17 to 1711 feet TVD)
3	Baker Hughes drilling services runs 2 and 3 utilized a 6 3/4 inch Navigamma Service (Directional and Gamma Ray) behind an 8 1/2 inch bit and rotary steerable assembly from 1774 to 16883 feet MD (1711 to 6880 feet TVD)

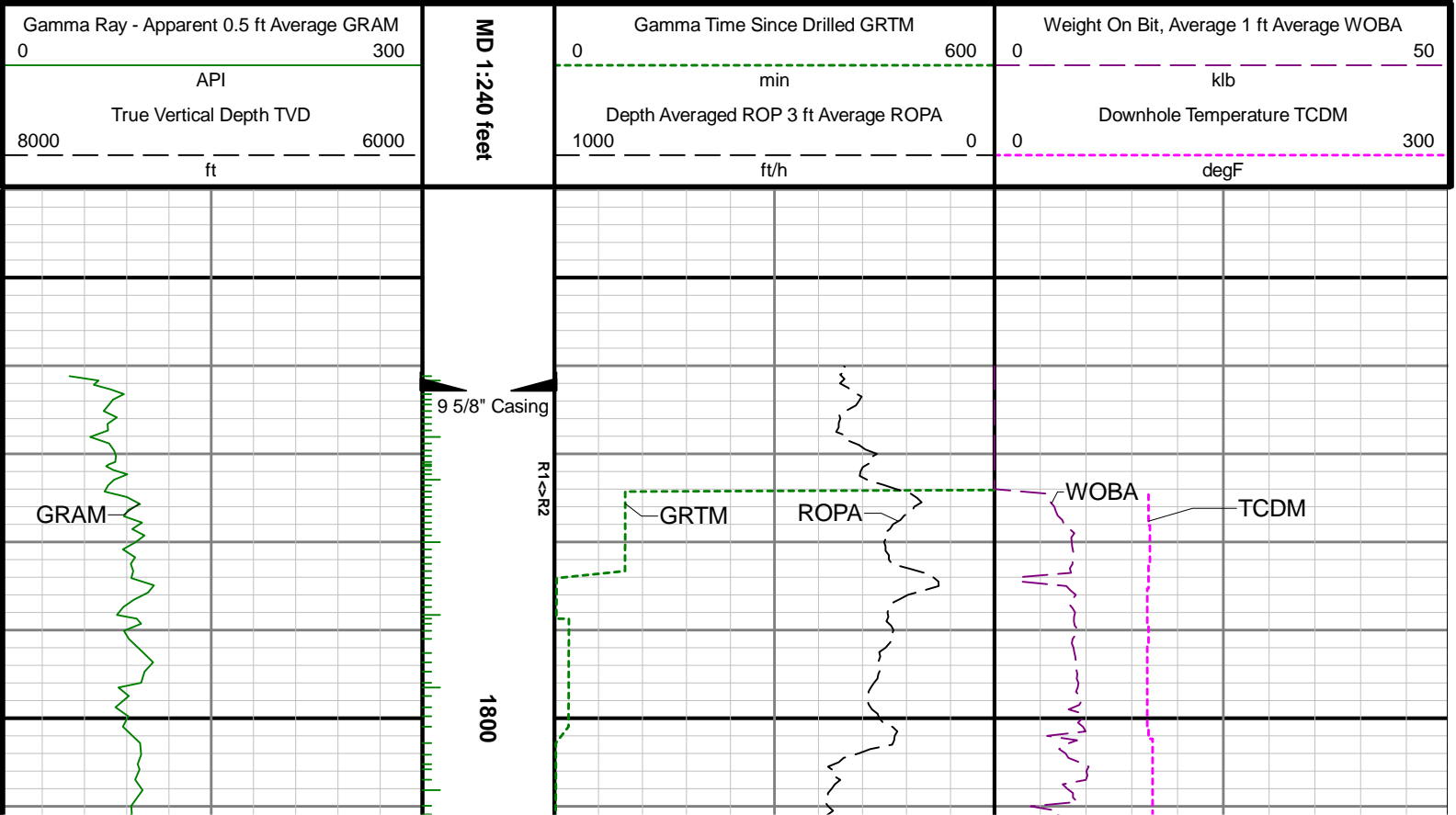
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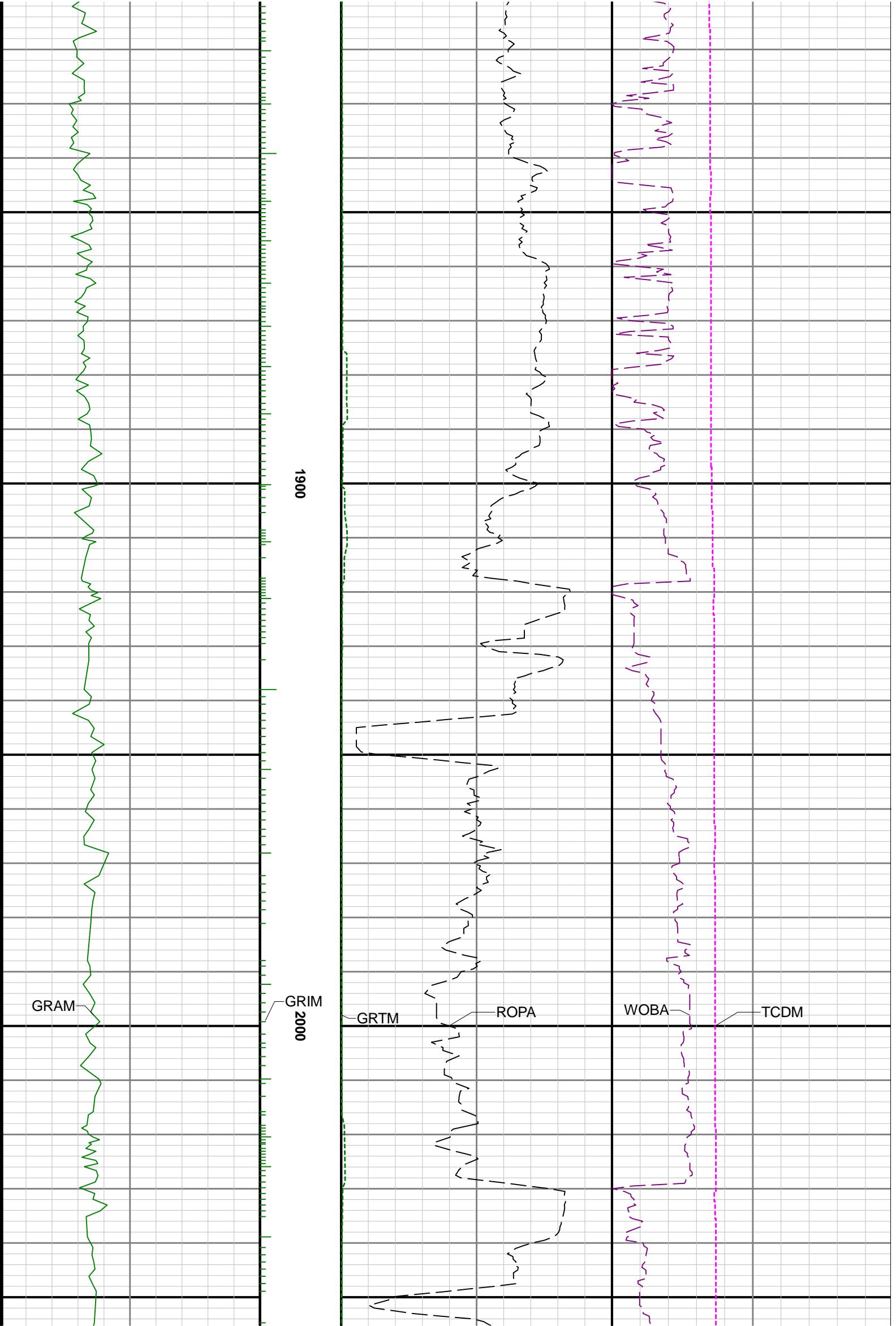
Number	Measured Depth (ft)	Hole Section (in)	Run No.	Remark
1	6655.00	8.500	3	Gamma Ray data from 6642 to 6655 feet MD (6247 to 6260 feet TVD) was logged 16 hours after being drilled due to POOH.
2	16870.00	8.500	3	The interval from 16870 to 16883 feet MD (6880 feet TVD) was not logged due to sensor to bit offset at TD

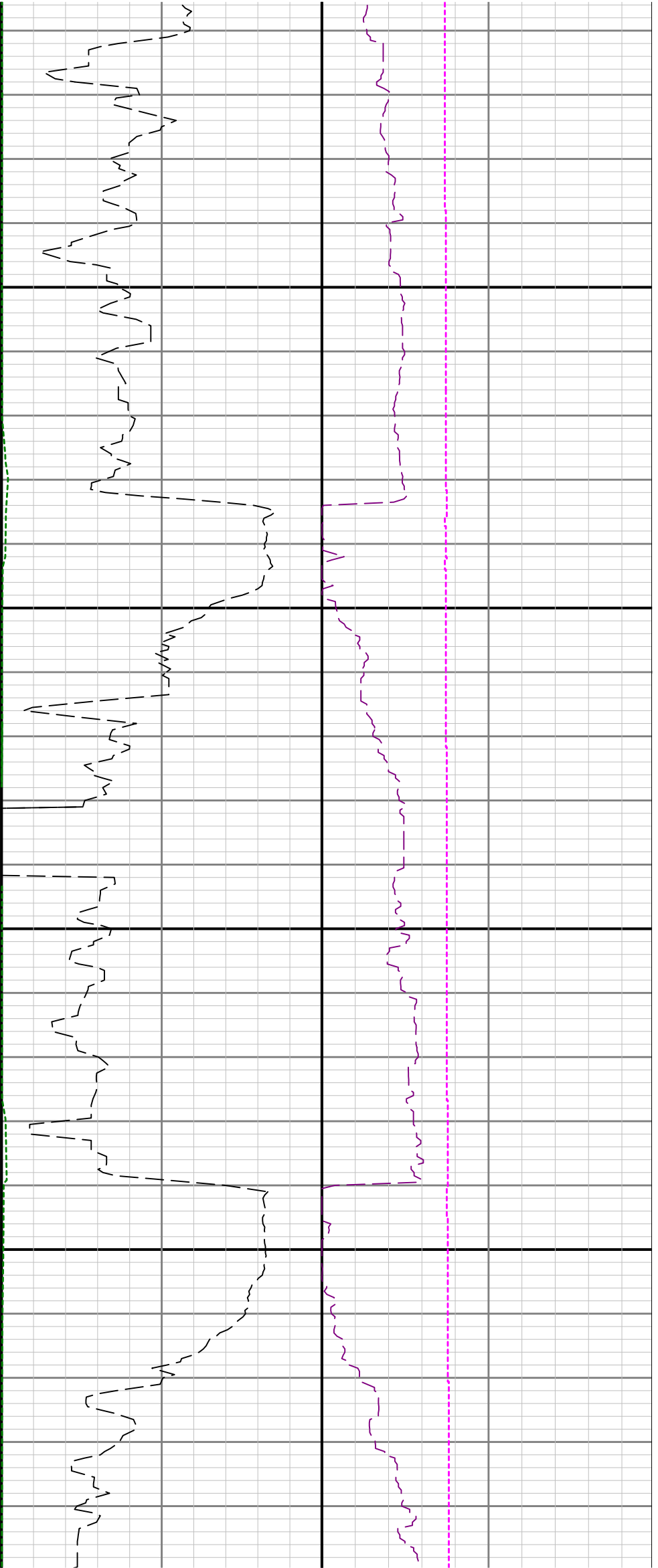
Curve Mnemonics

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	Directional Real-Time Survey Temperature	degF

 <b>BAKER HUGHES</b> a GE company	<b>Company</b>	Verdad Oil and Gas Corporation			
	<b>Well</b>	Helen 24-3H			
	<b>Interval</b>	<b>Date From:</b>	2018-05-16 04:02	<b>Top:</b>	1760.00 ft
		<b>Date To:</b>	2018-05-22 17:00	<b>Bottom:</b>	16883.00 ft
	<b>Created</b>	2018-05-22 22:14:21			



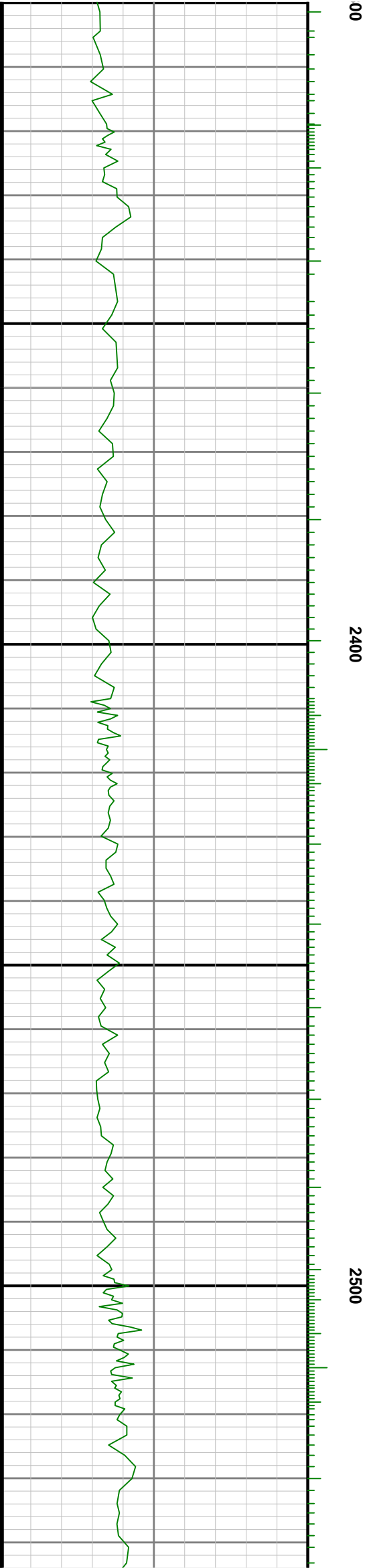
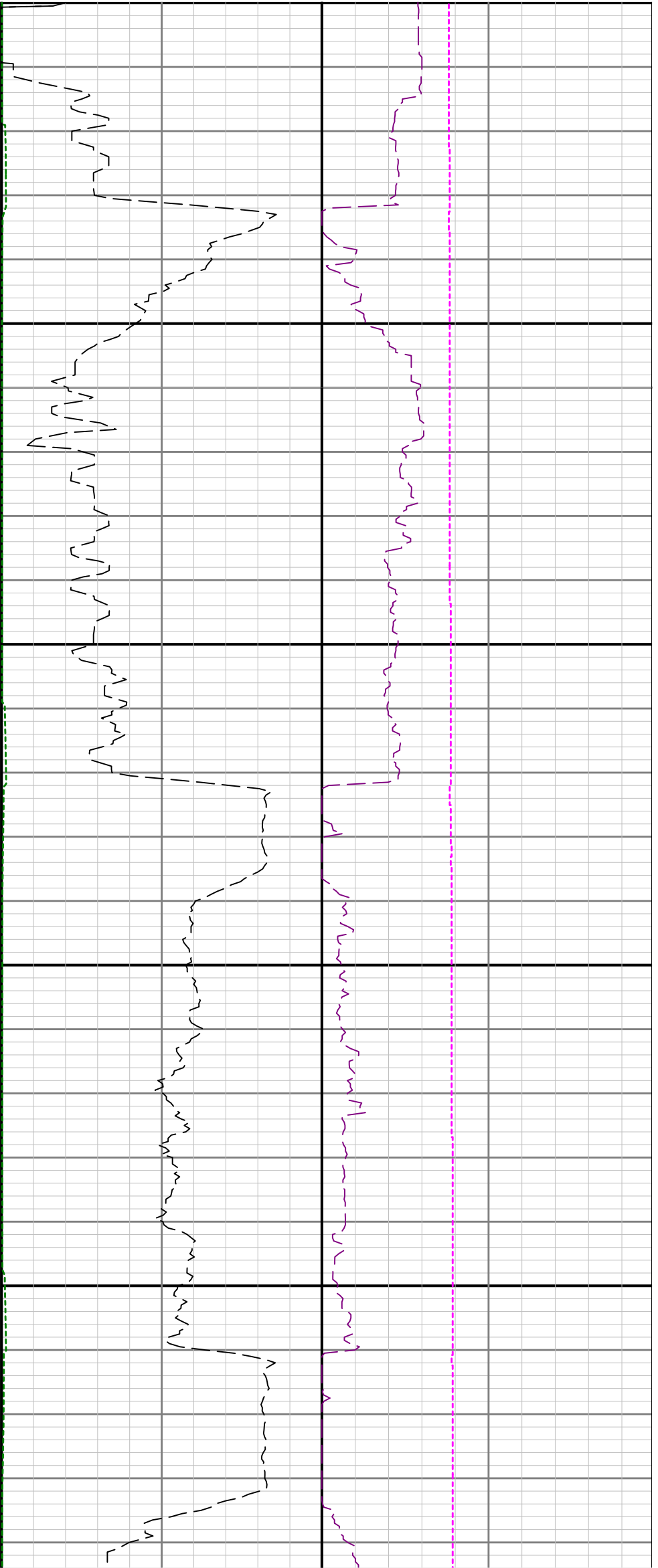


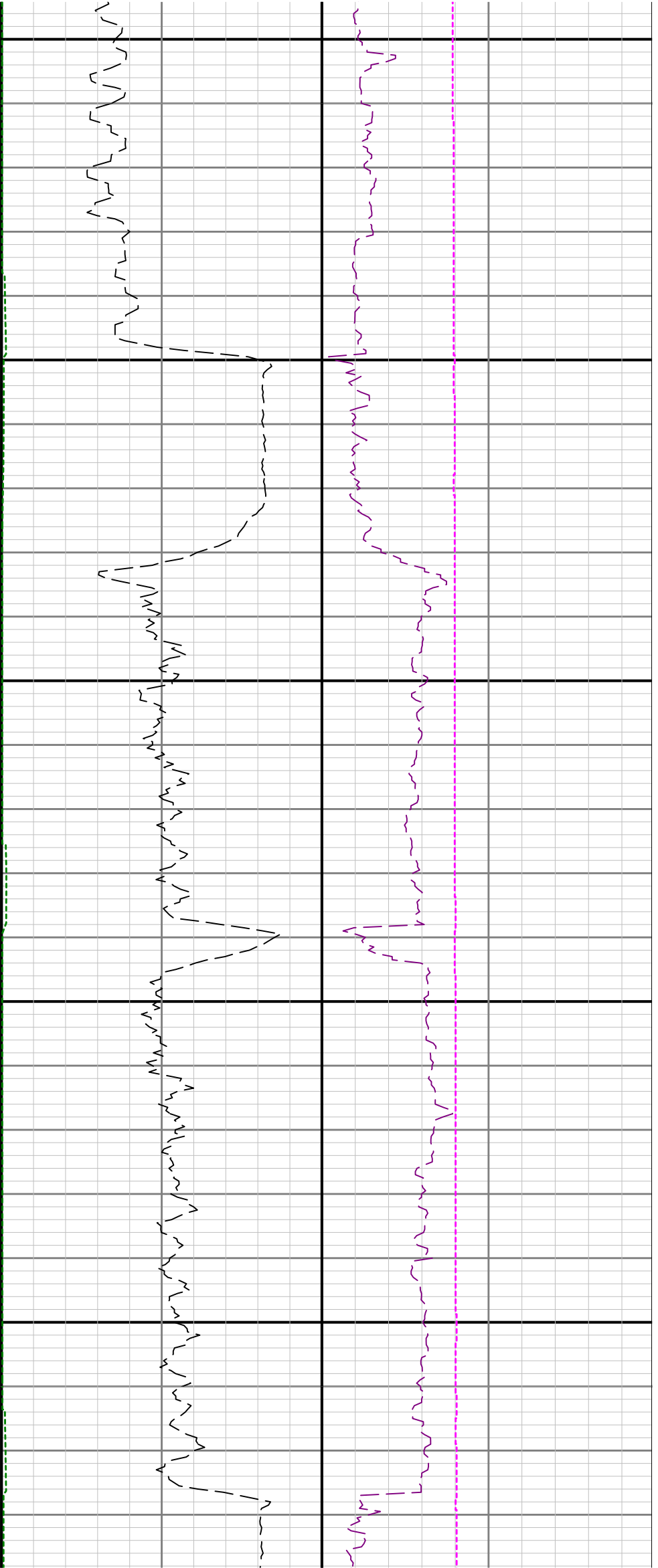


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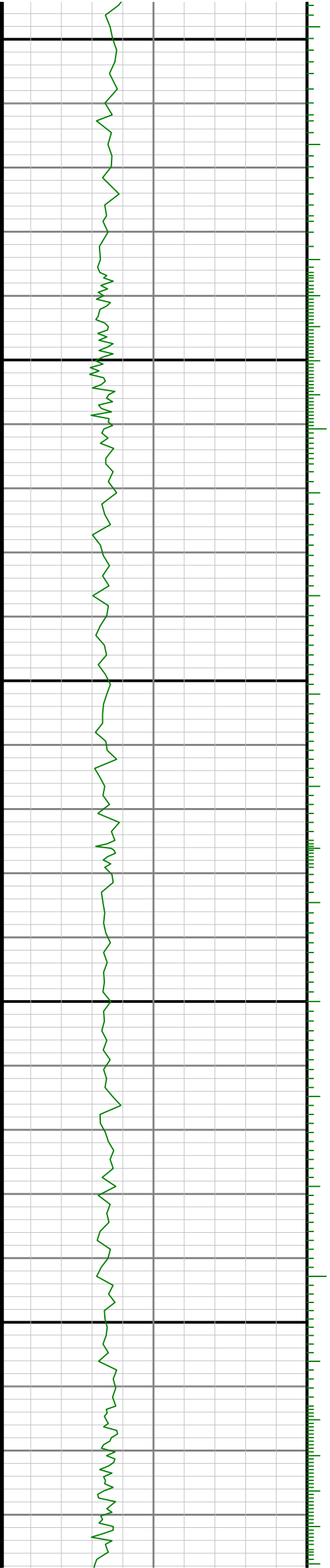
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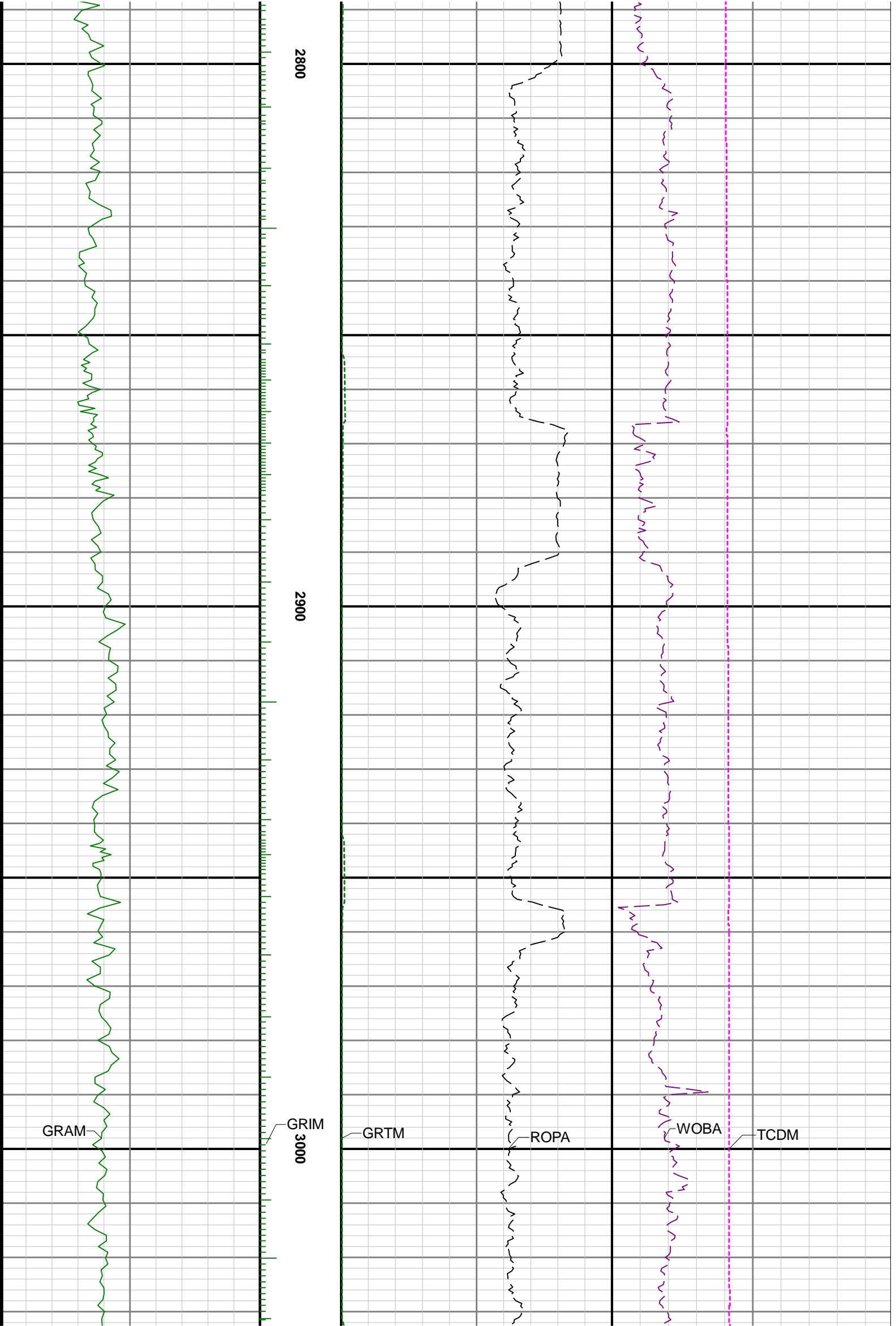


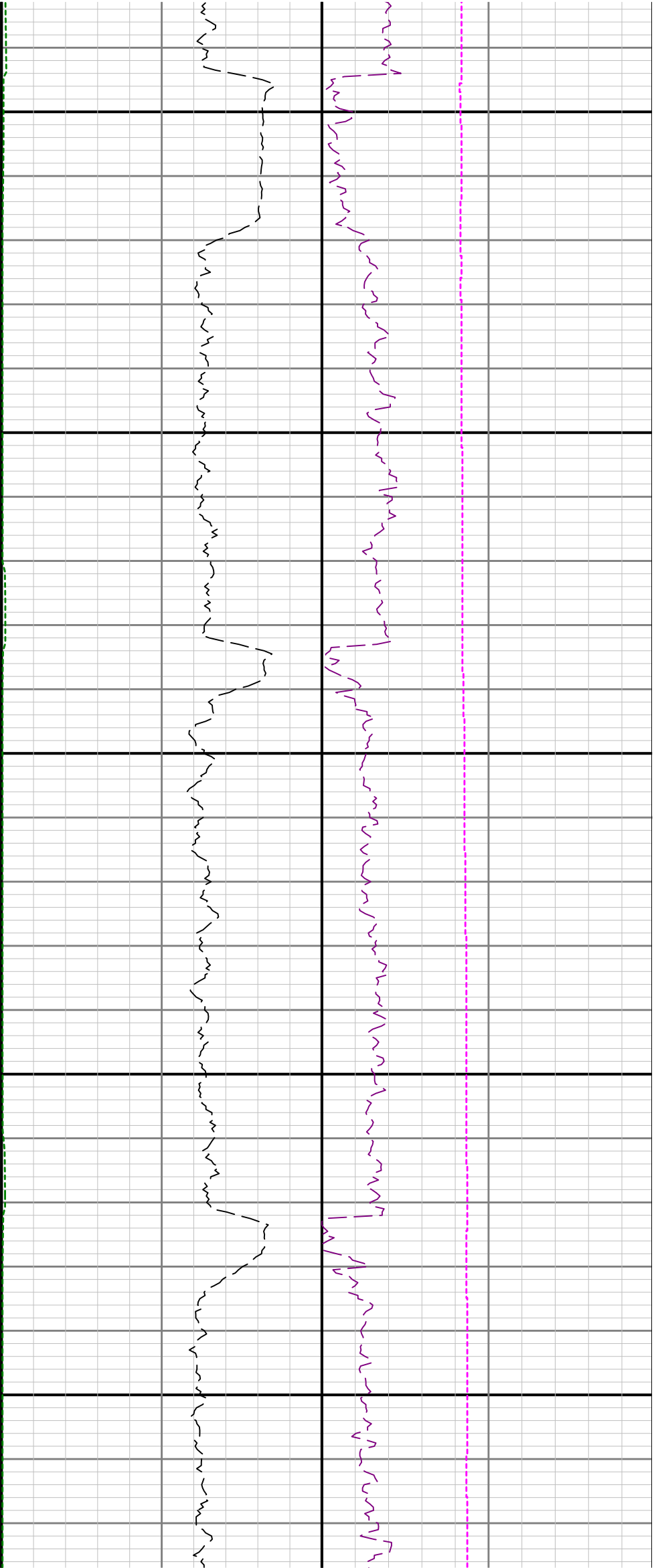


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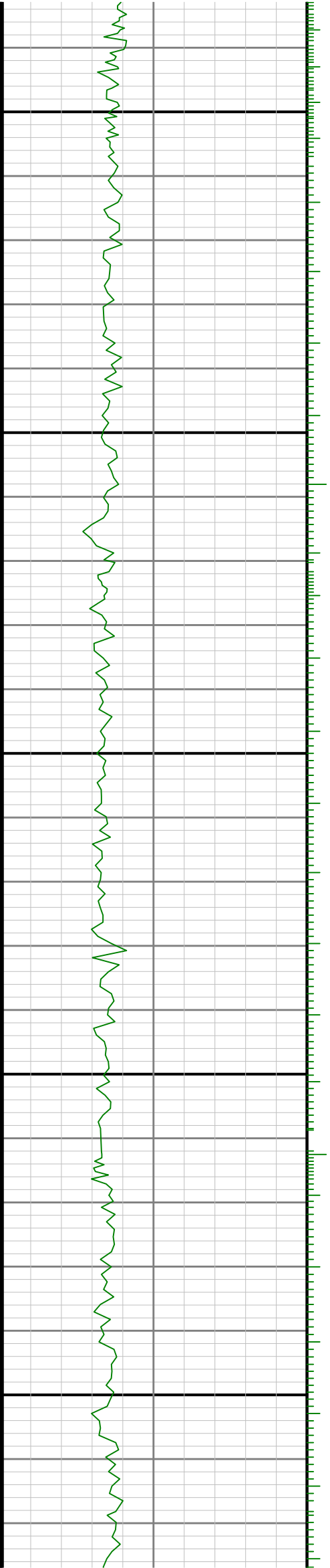




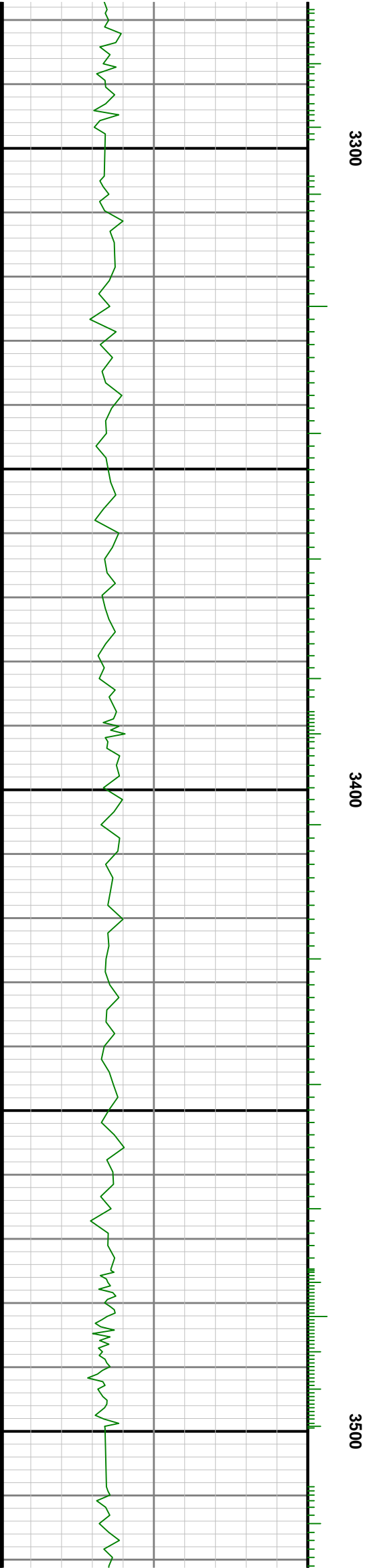
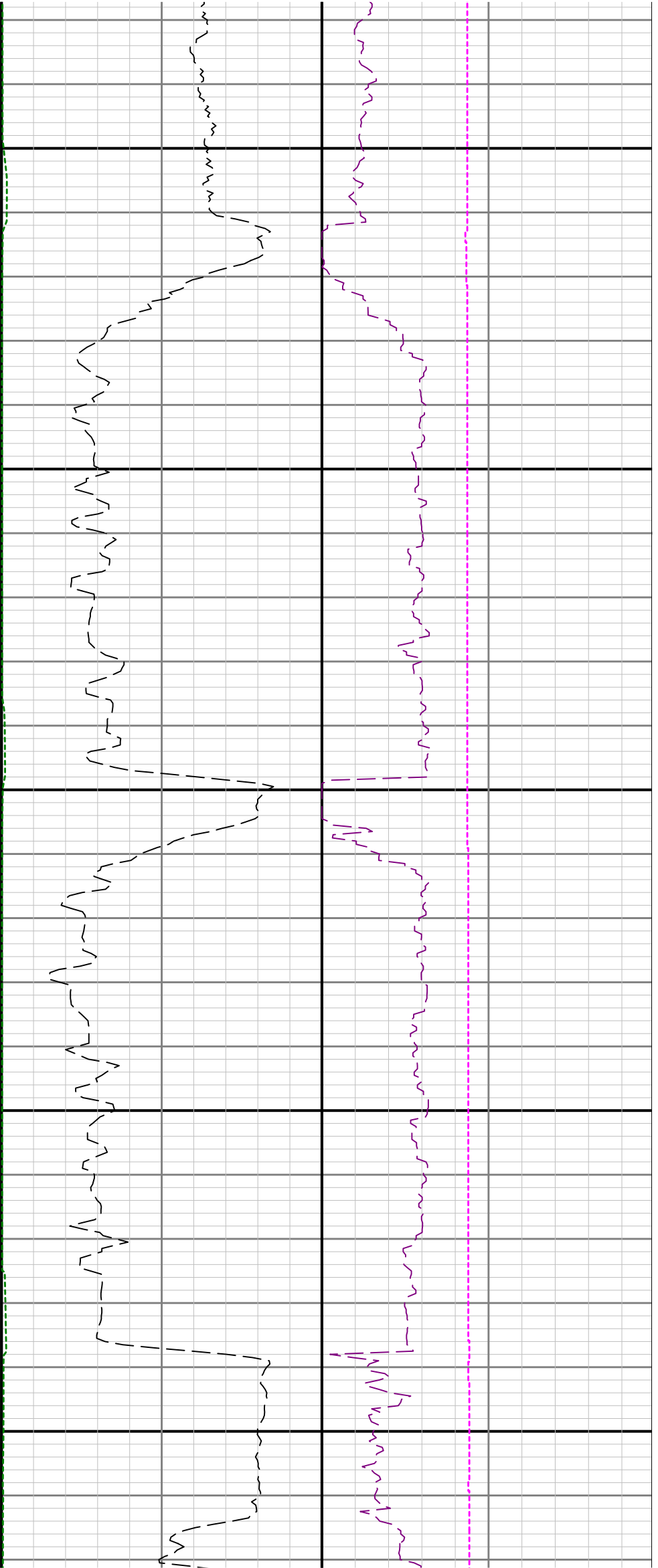


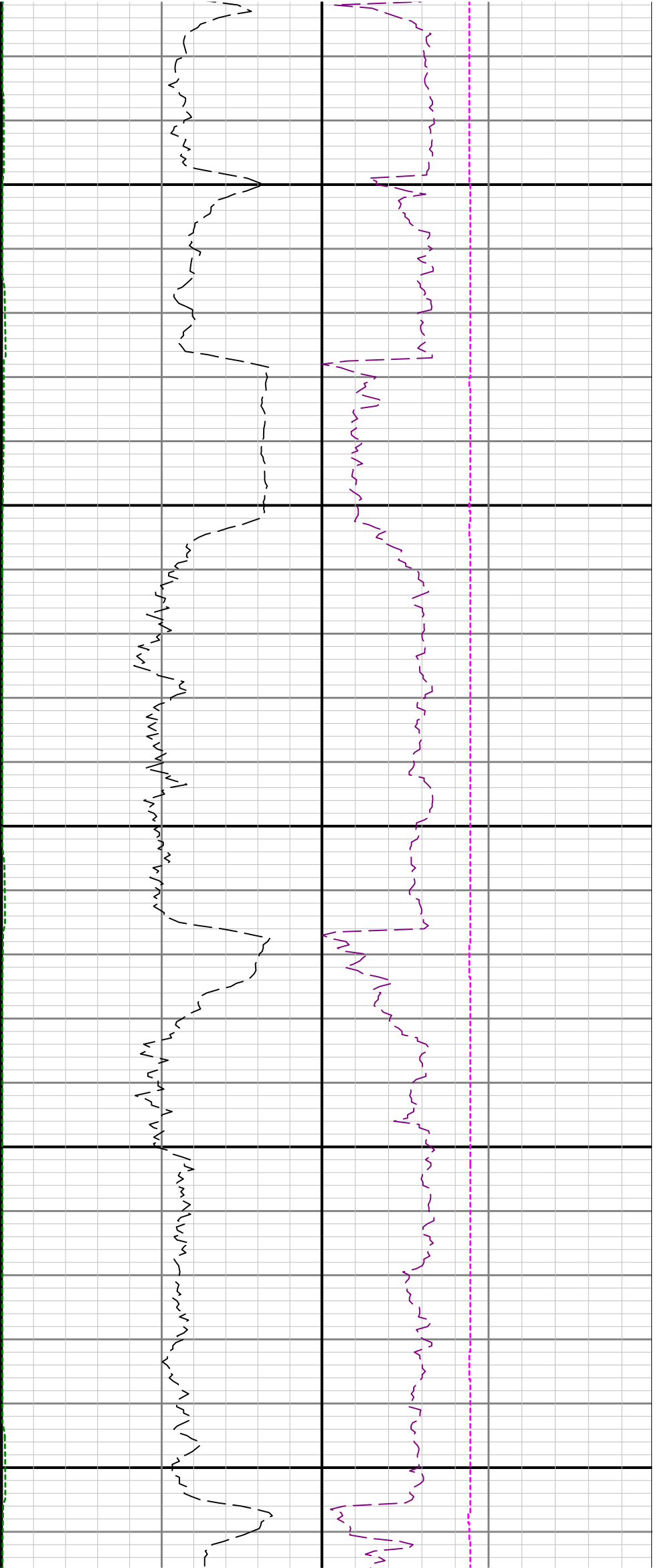
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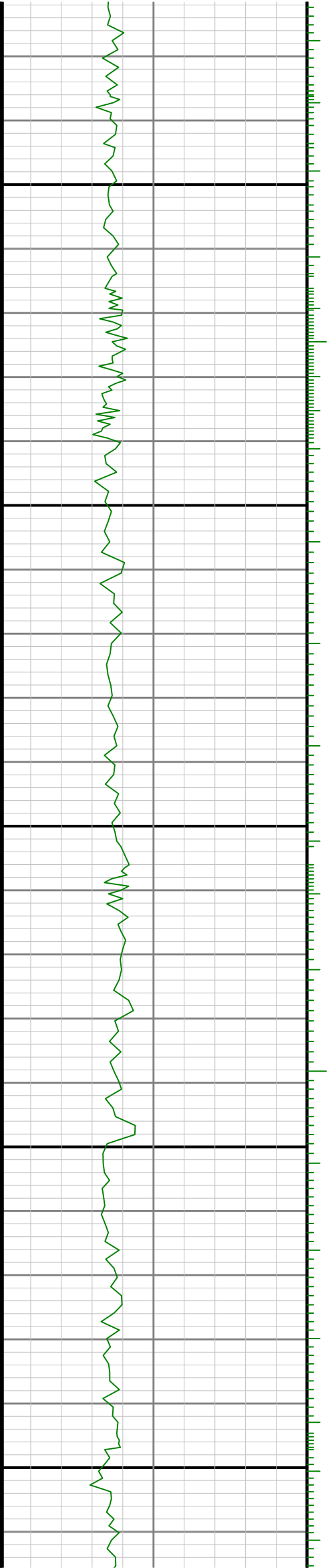


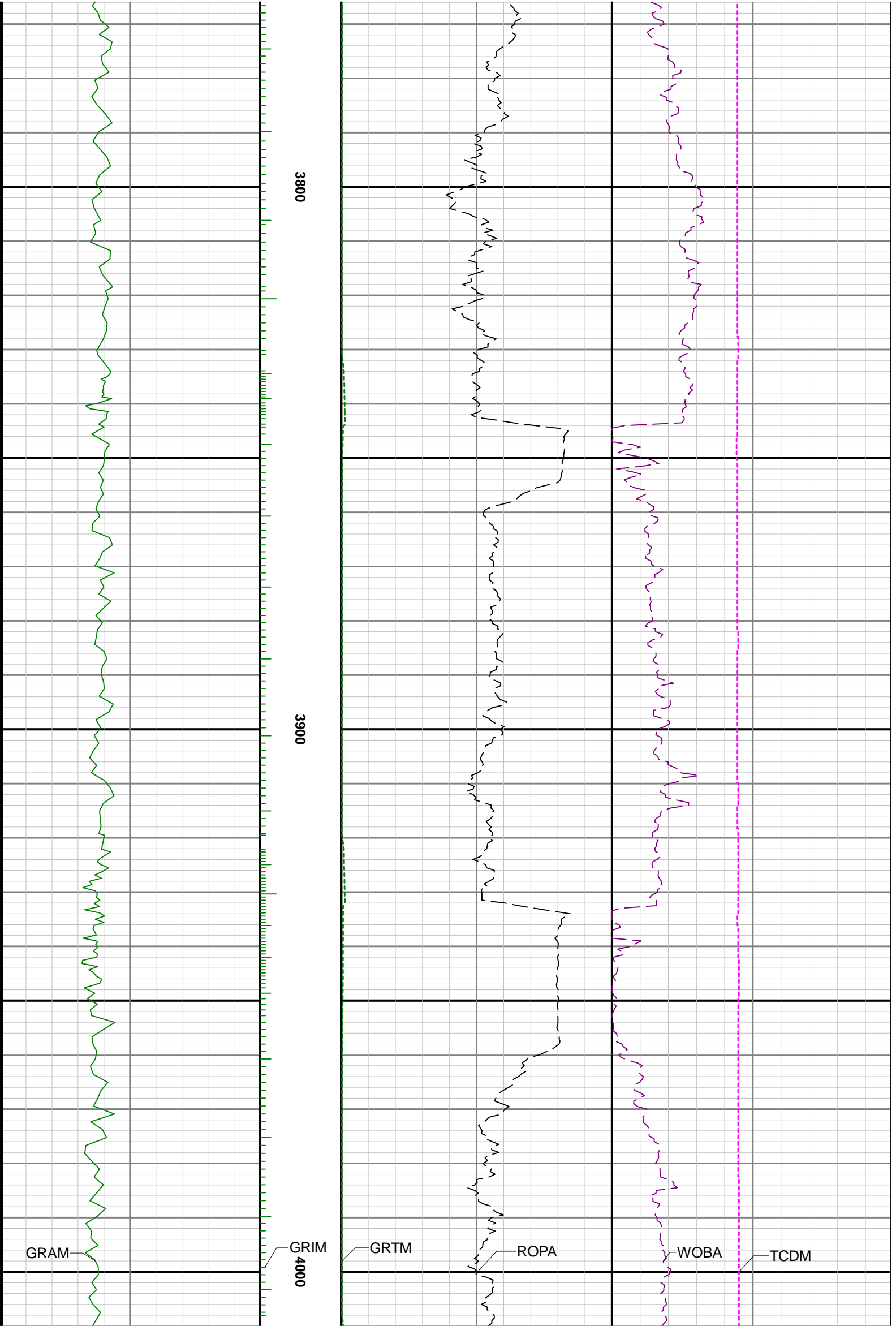


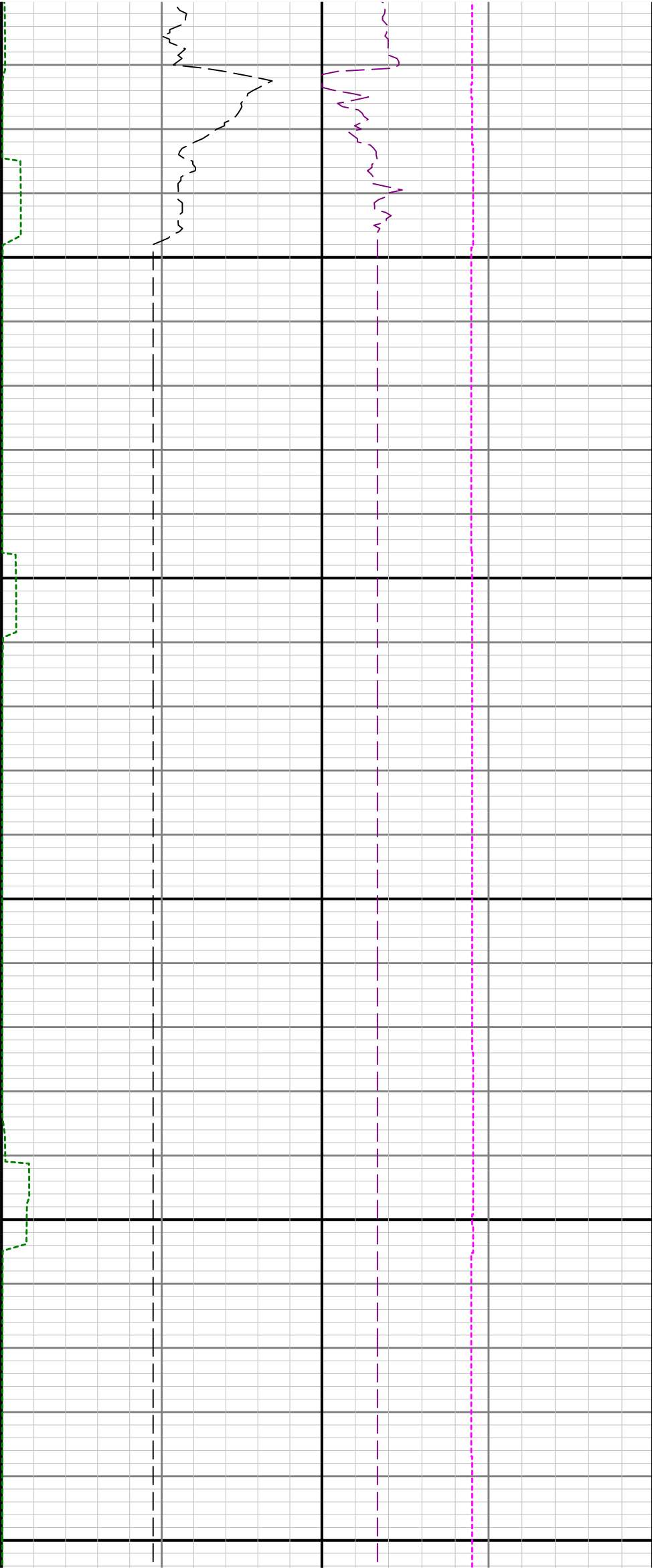


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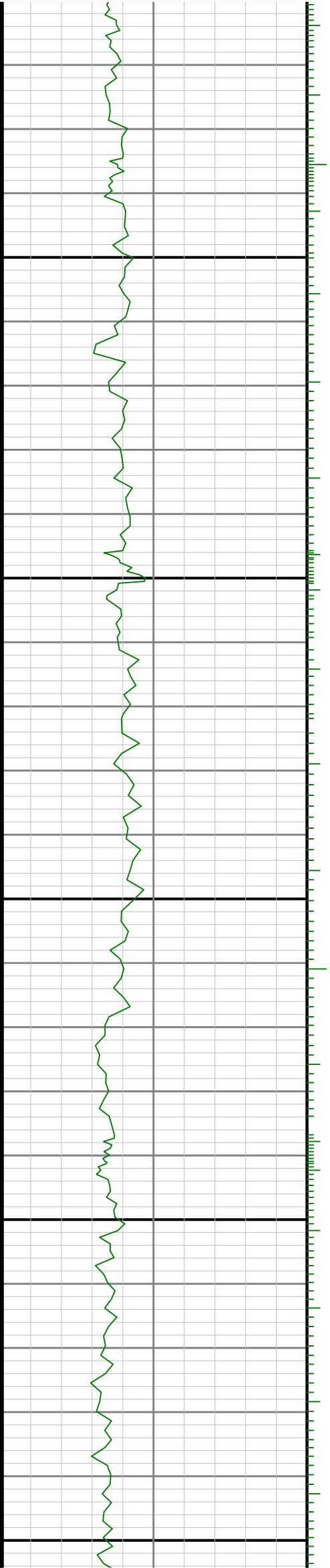


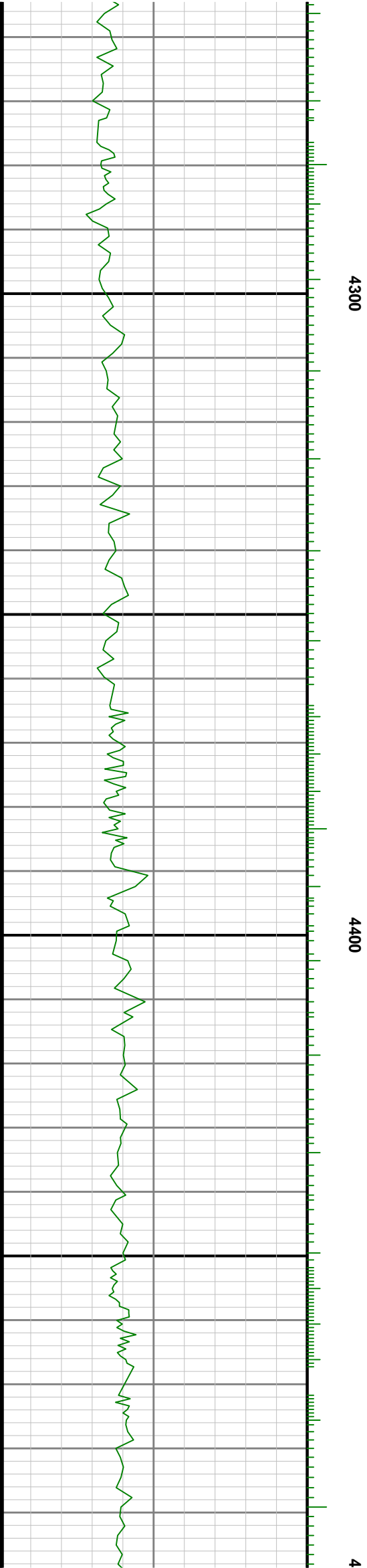
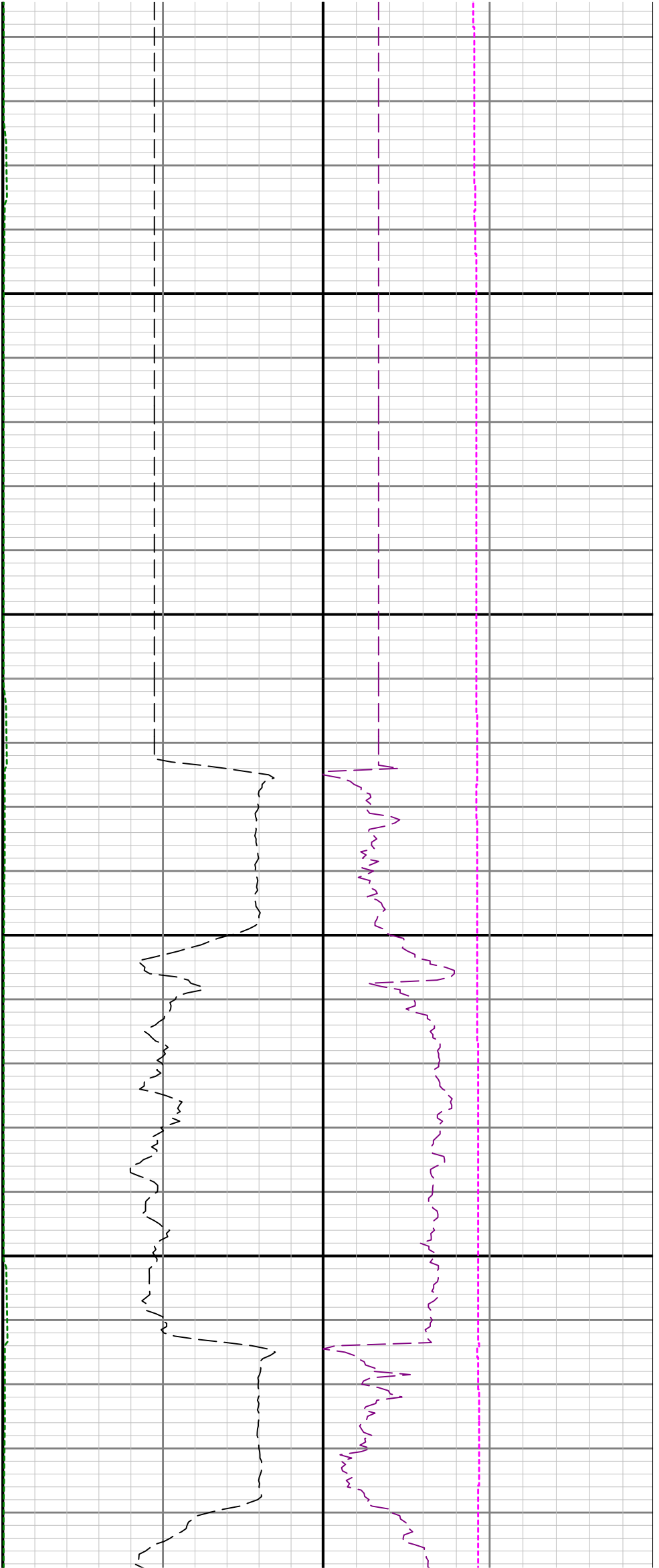


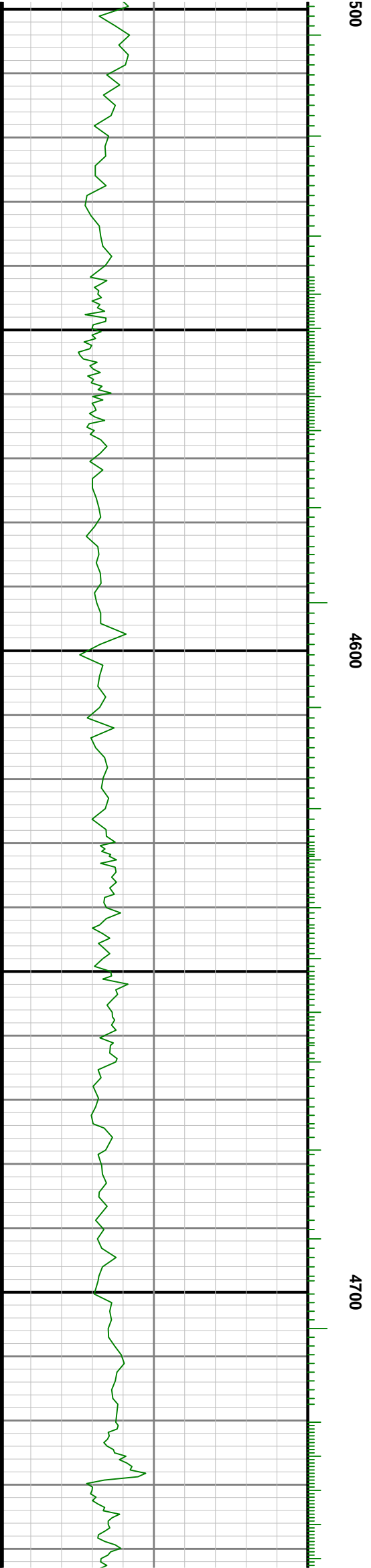
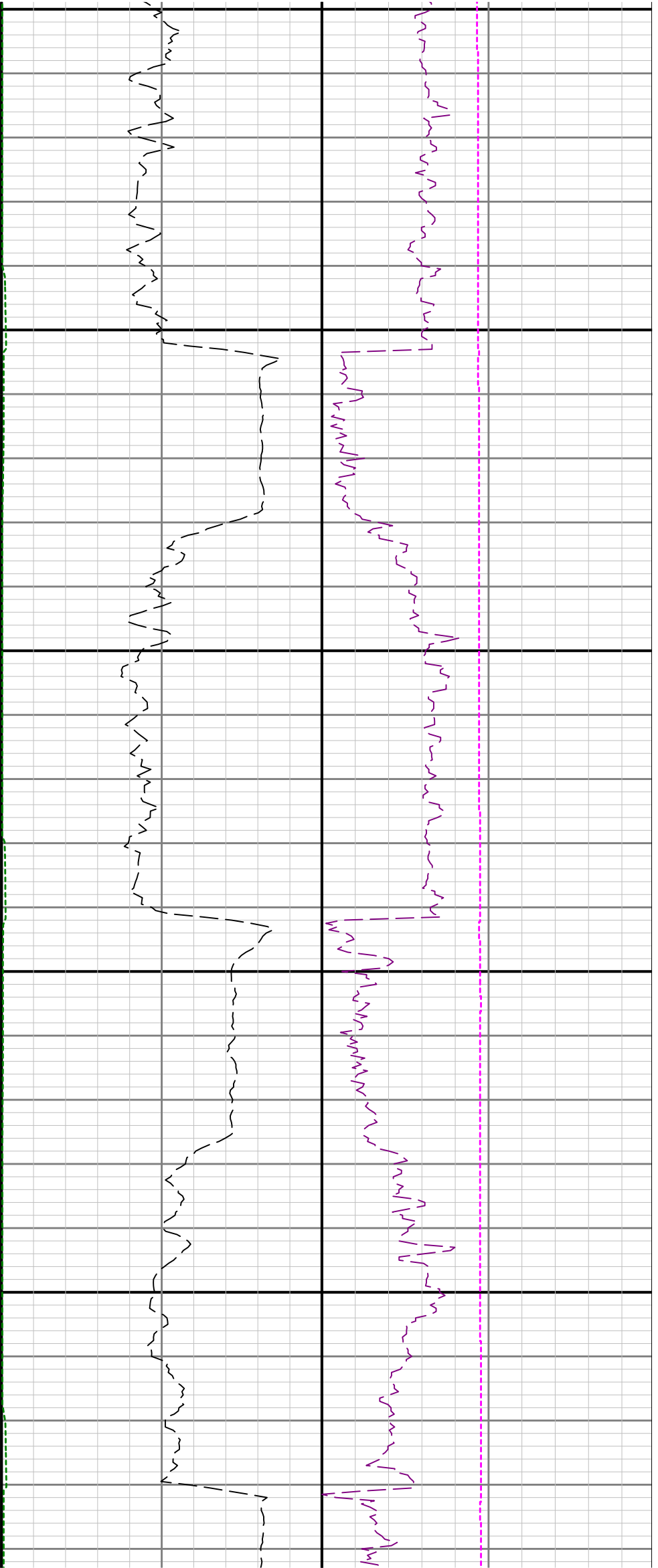


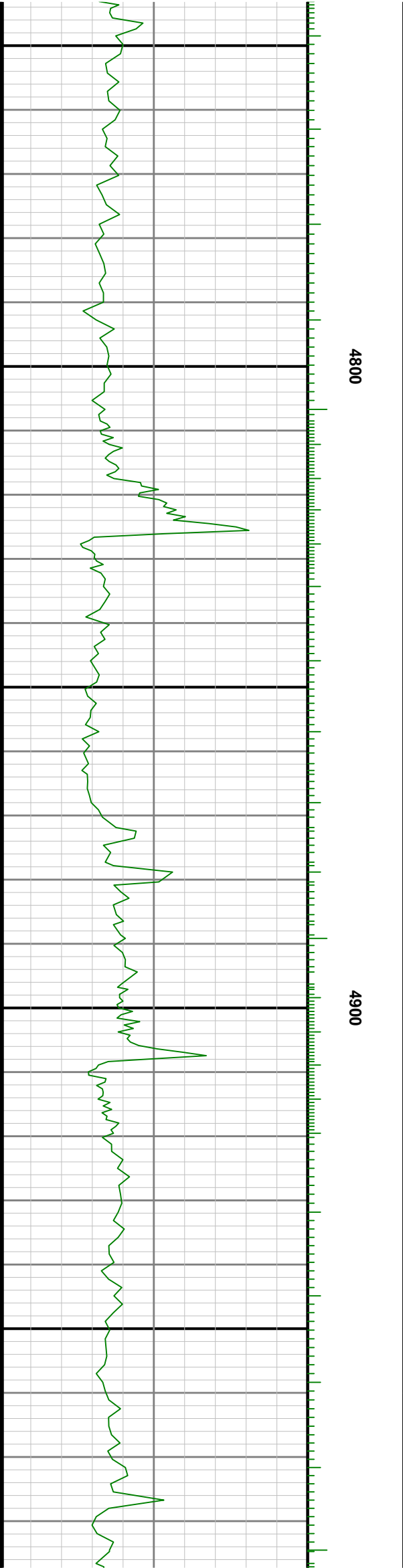
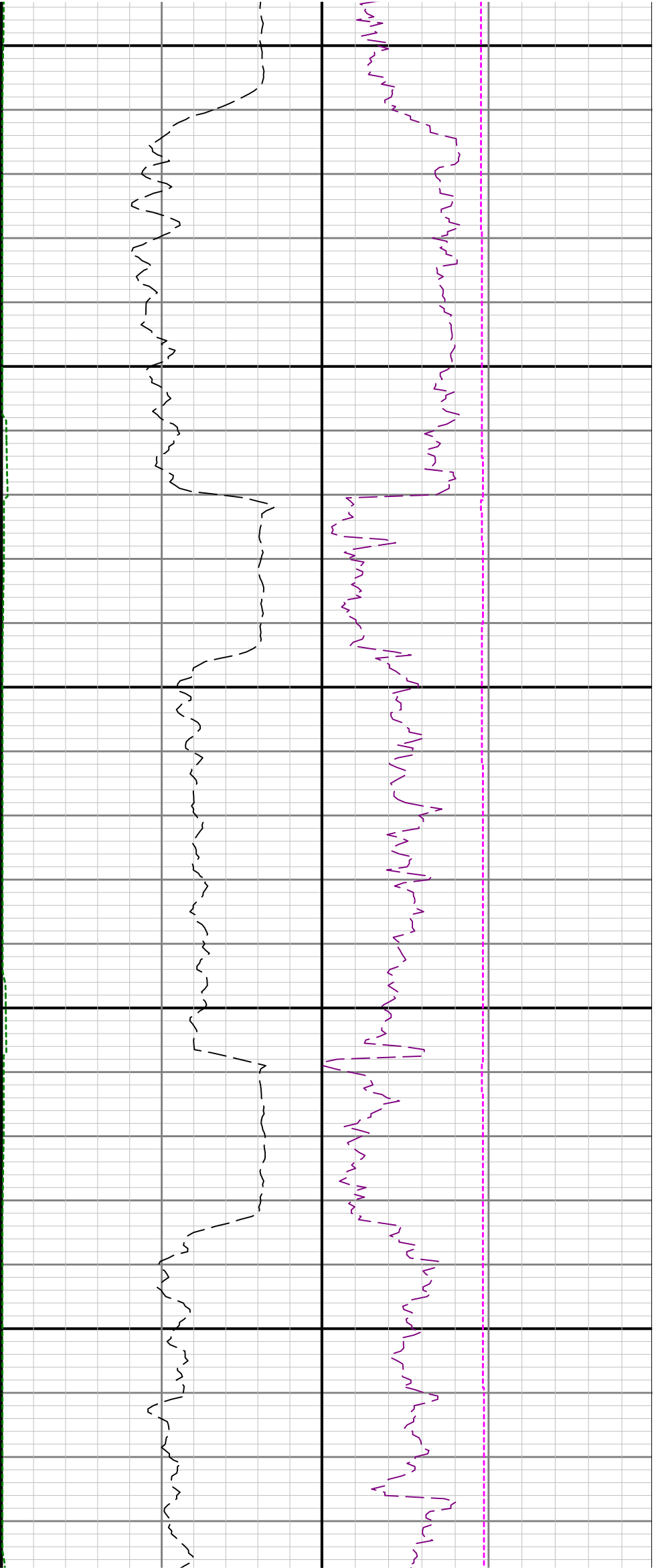
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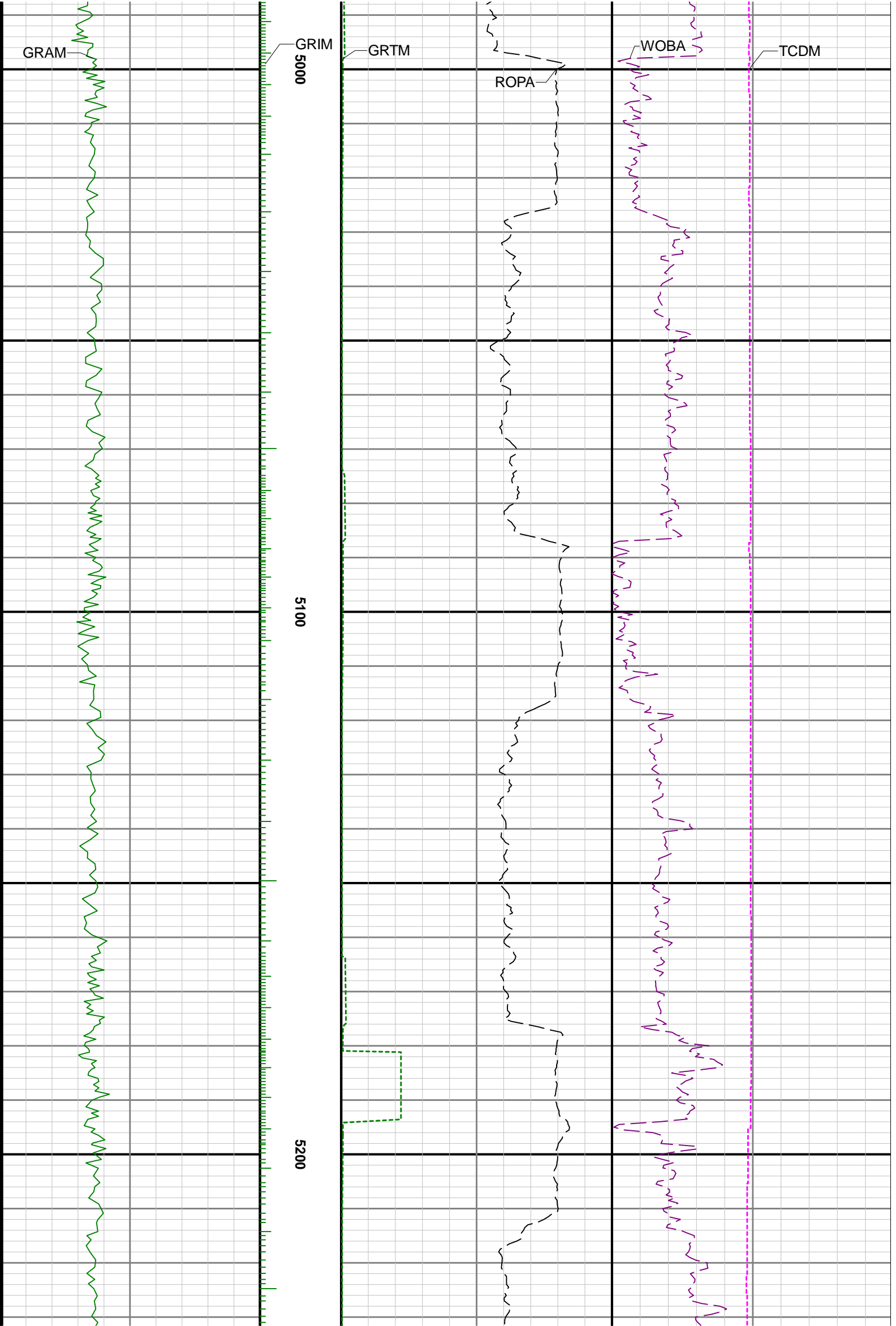
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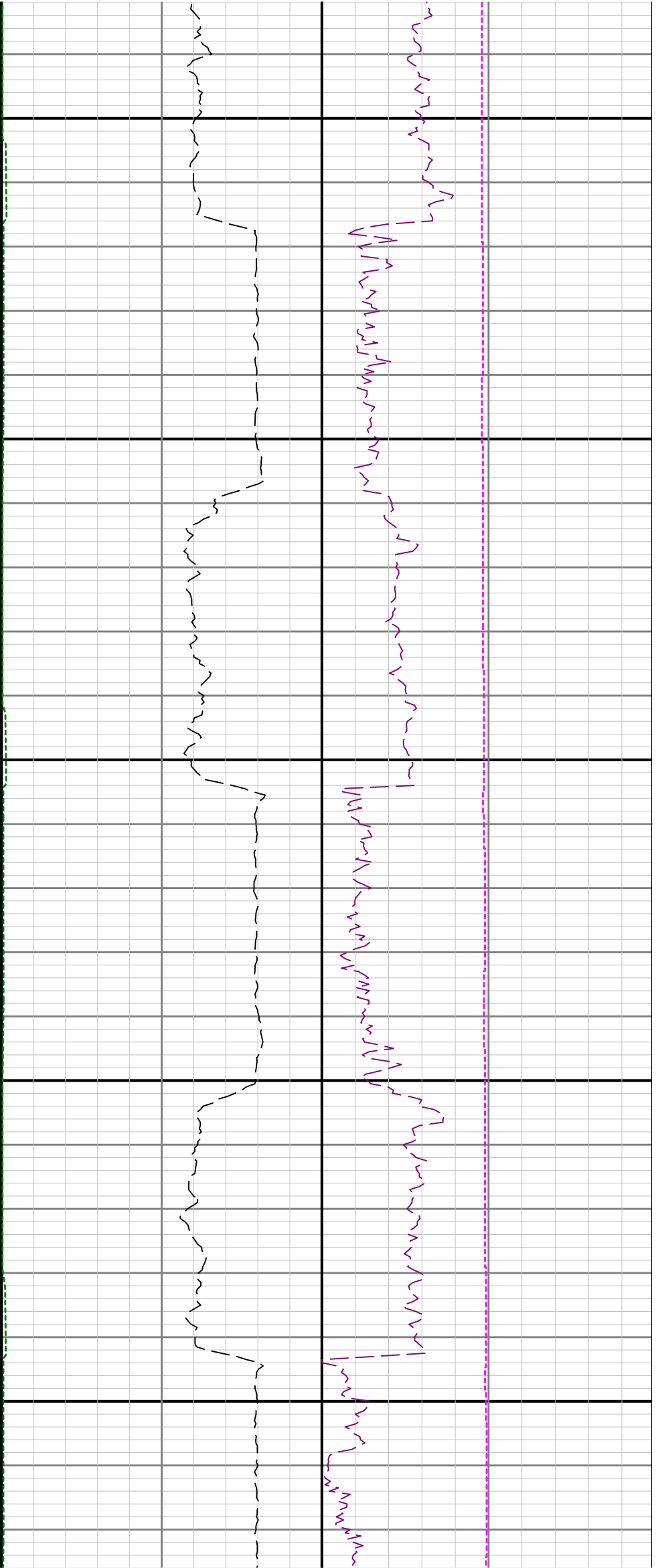






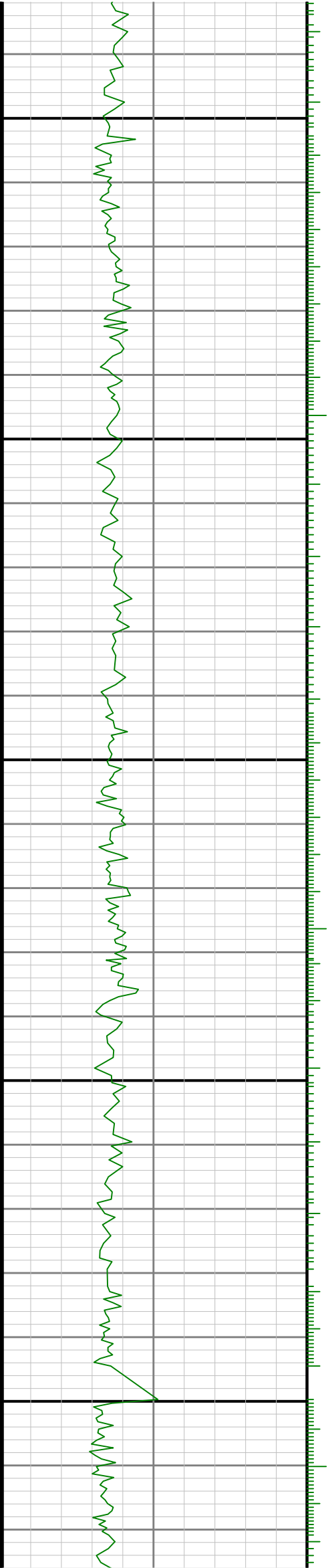


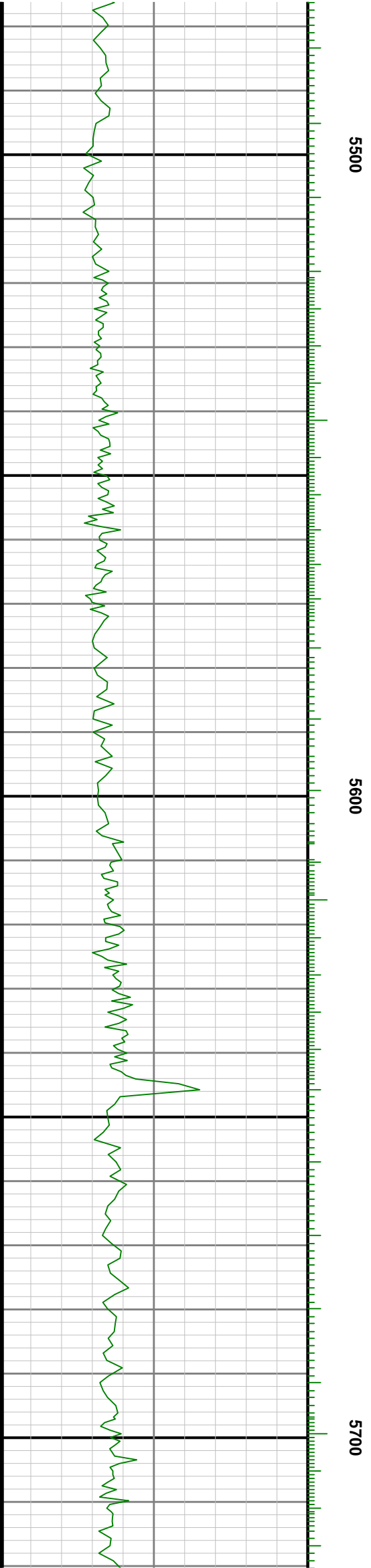
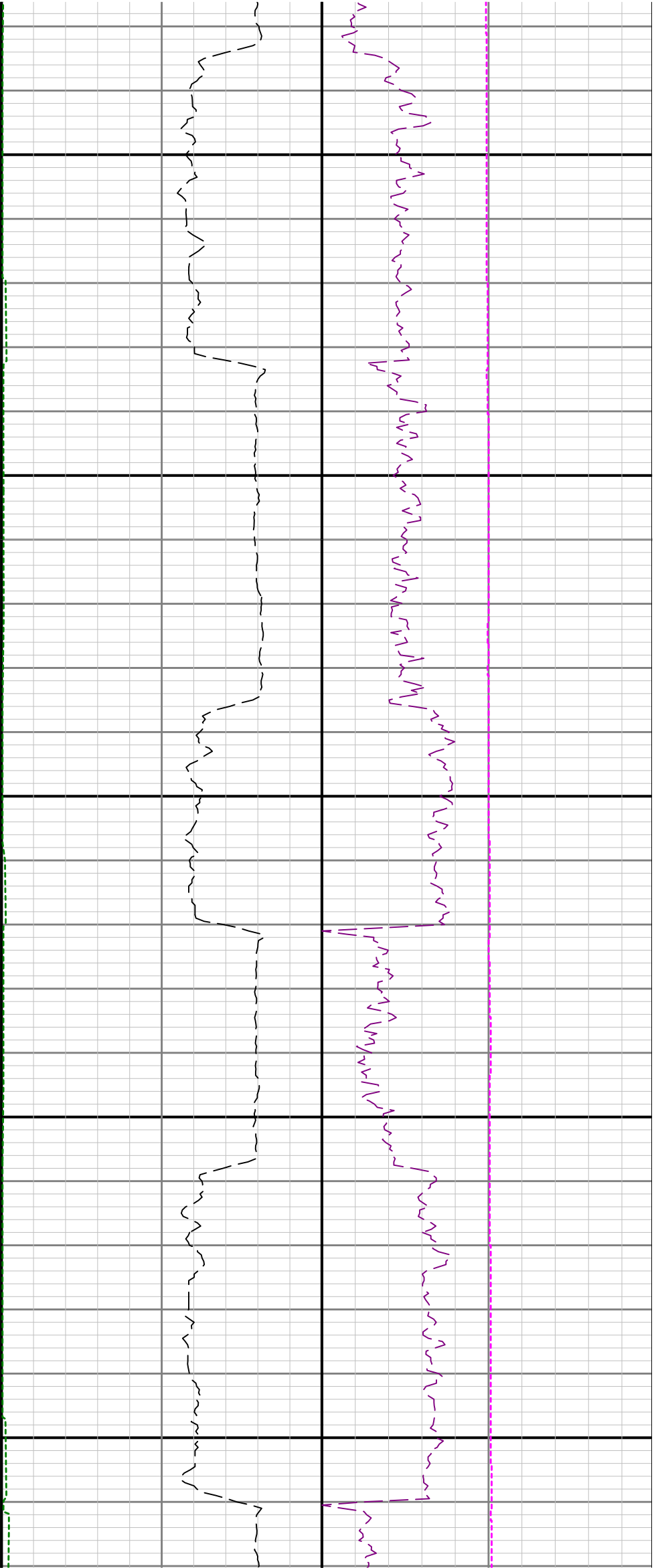


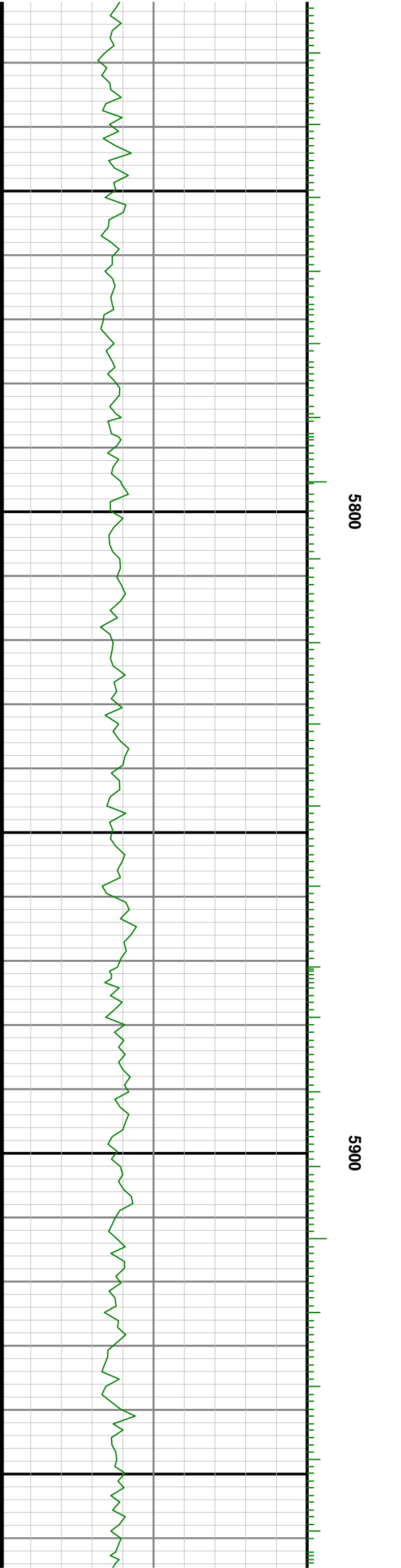
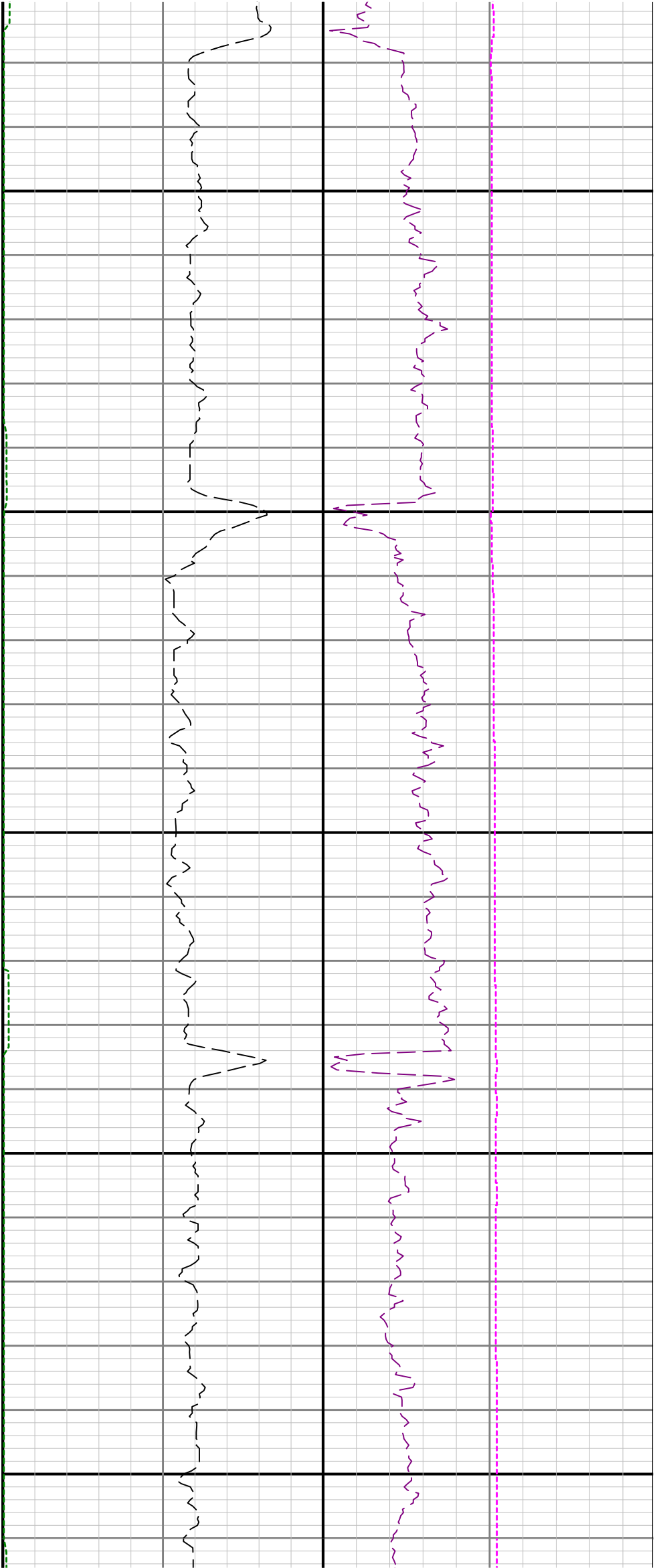


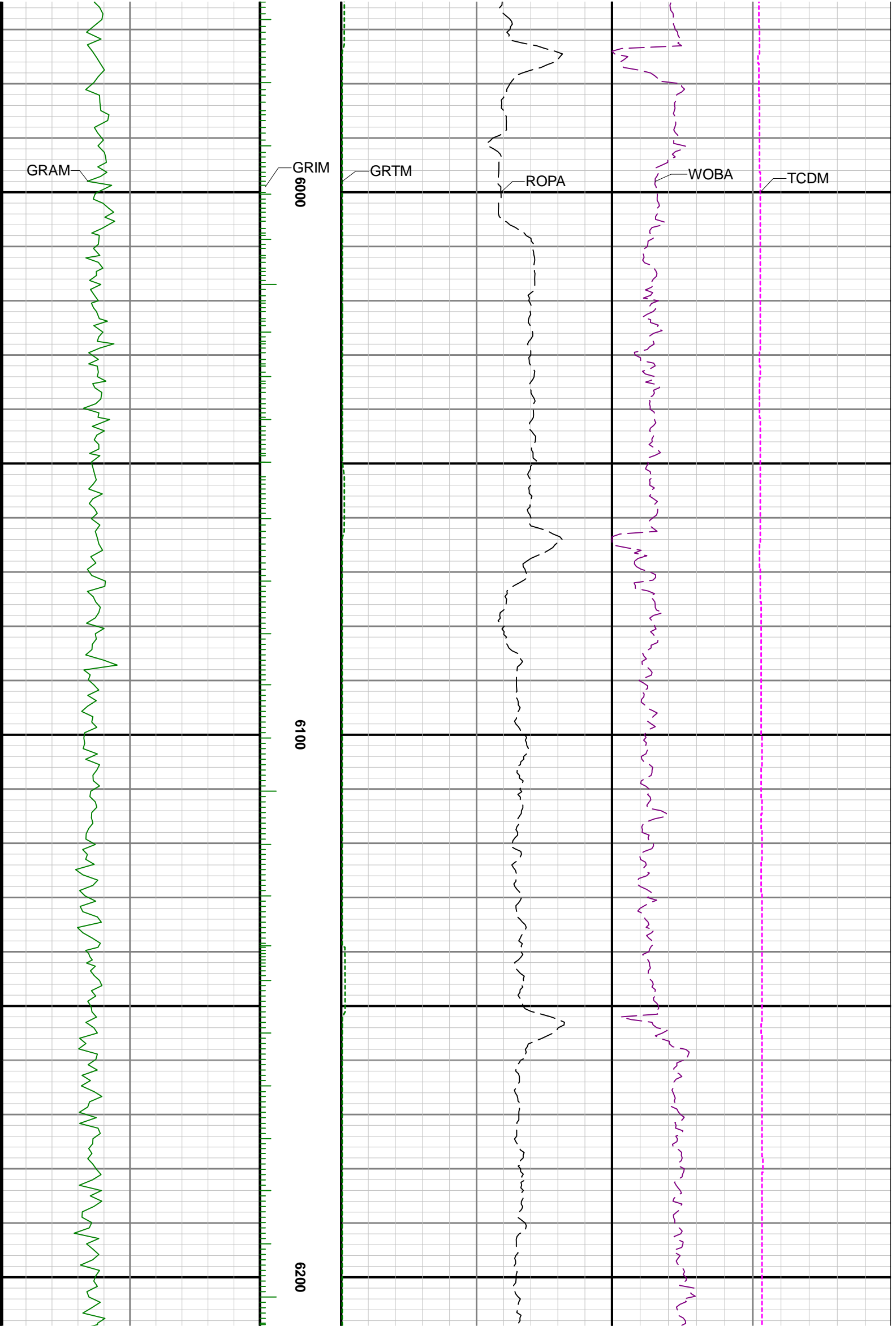
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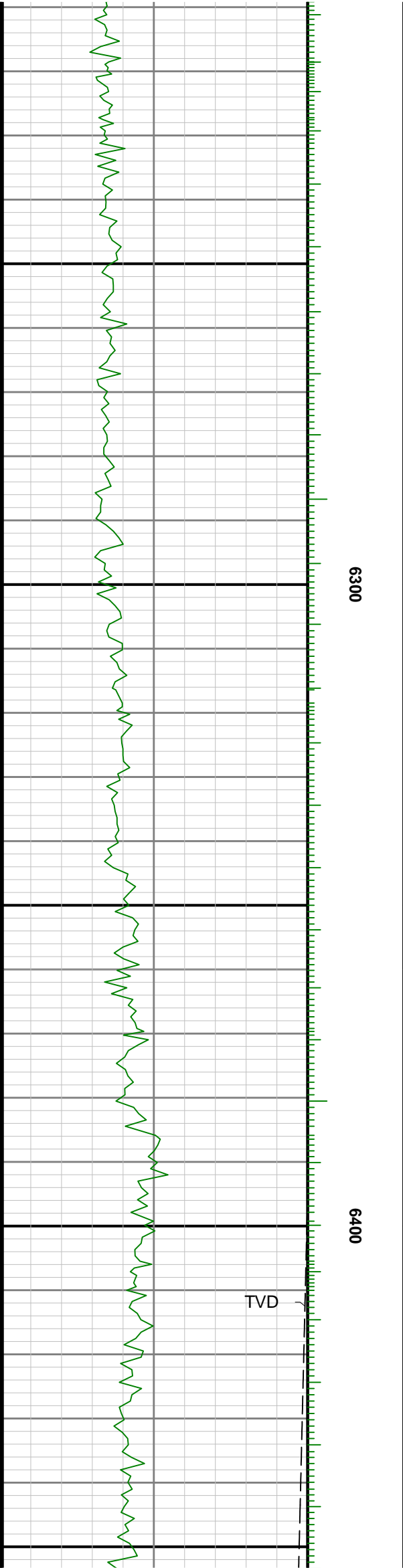
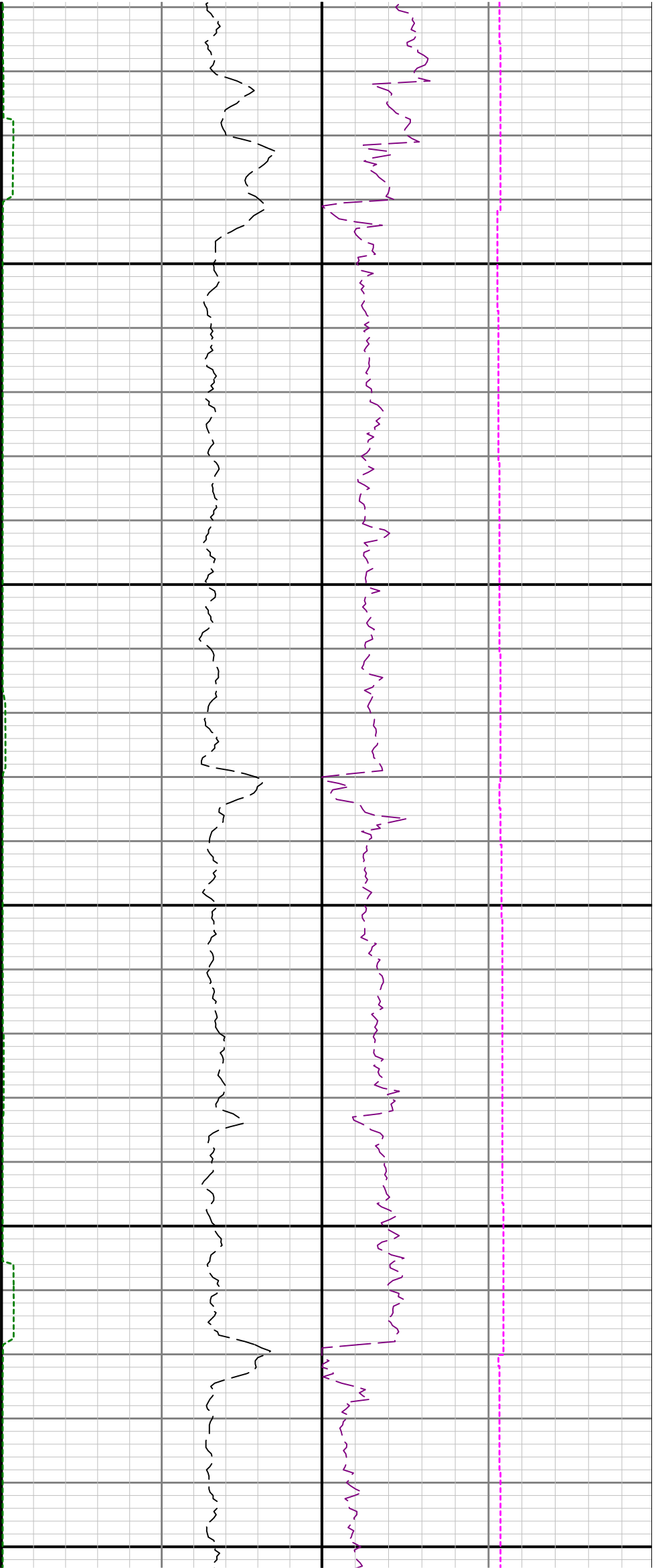
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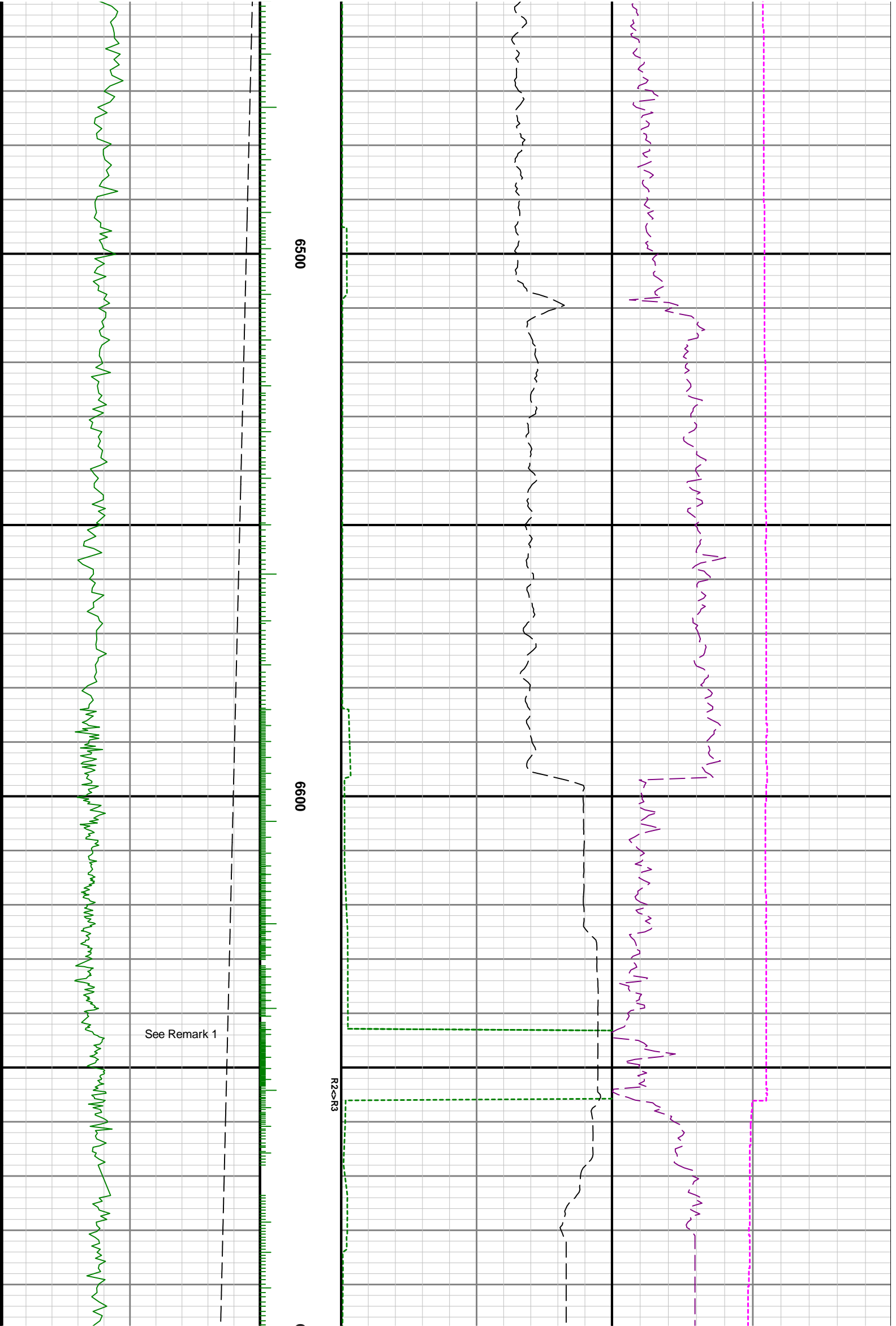


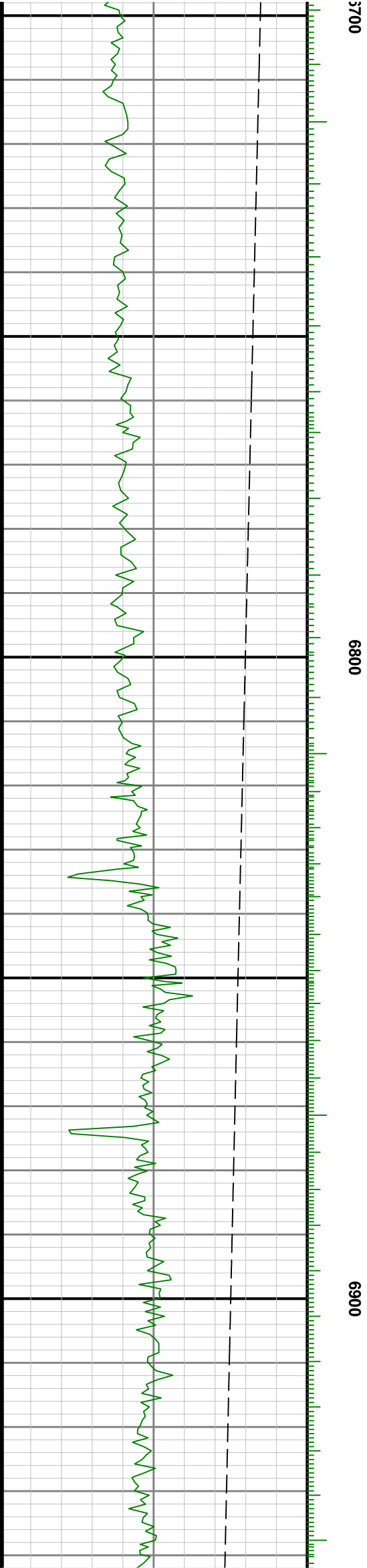
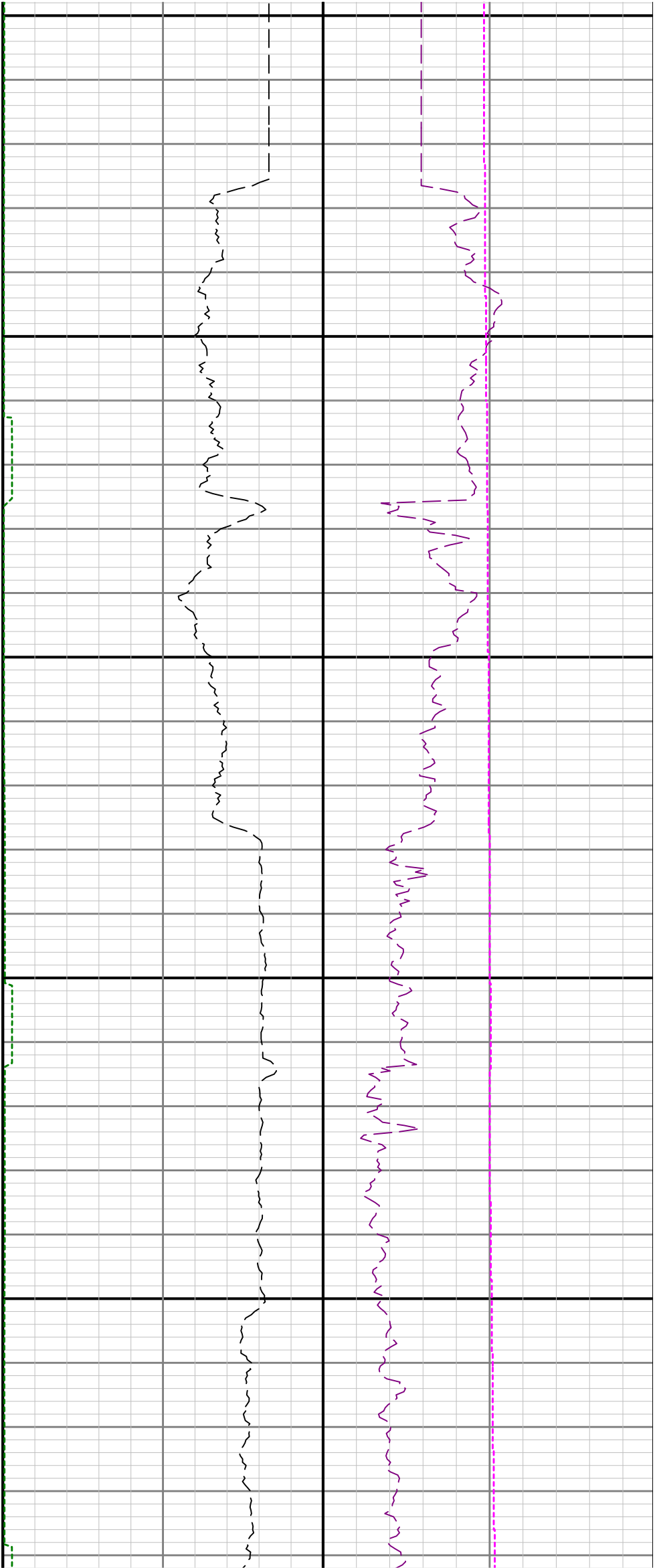


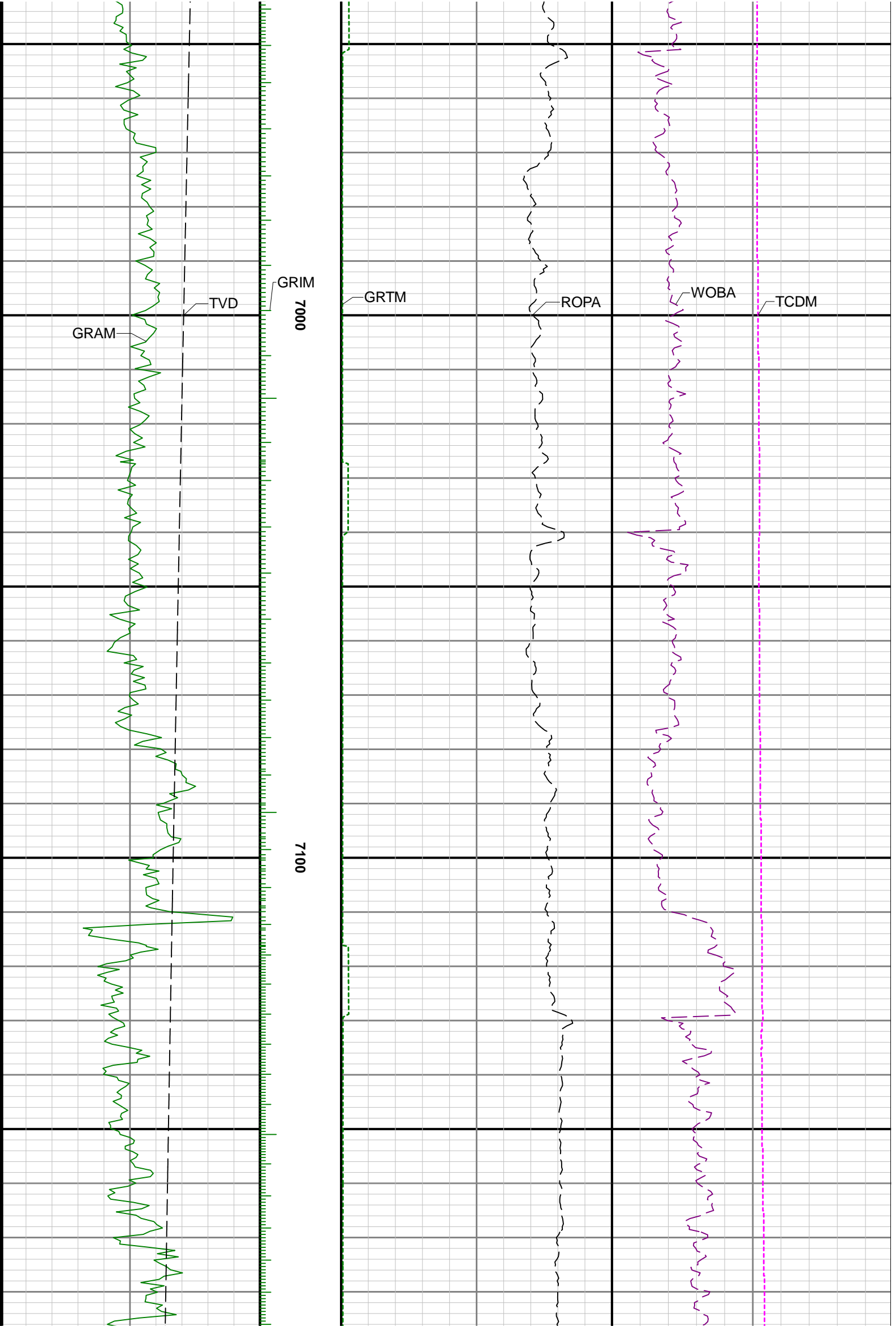




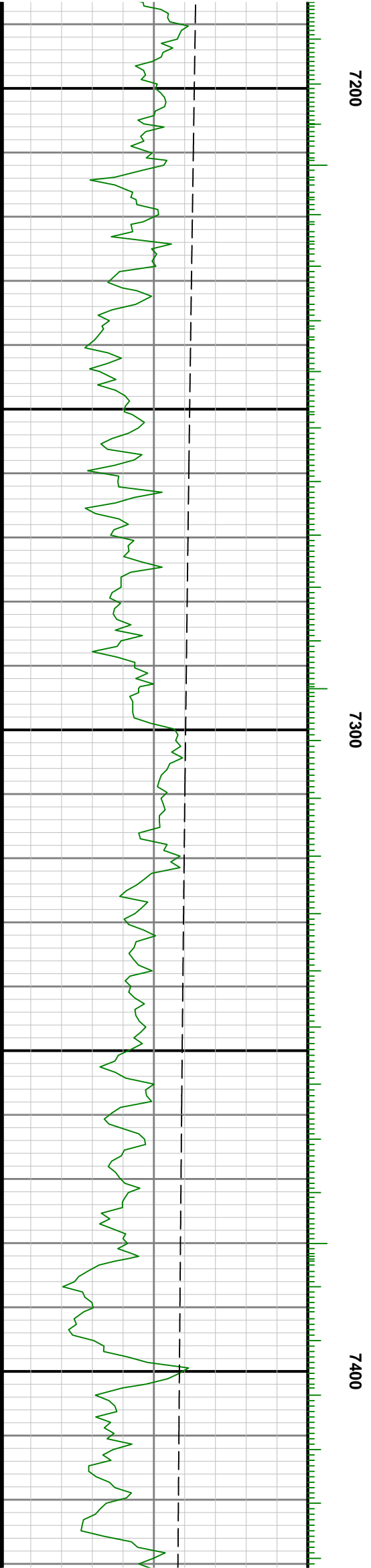
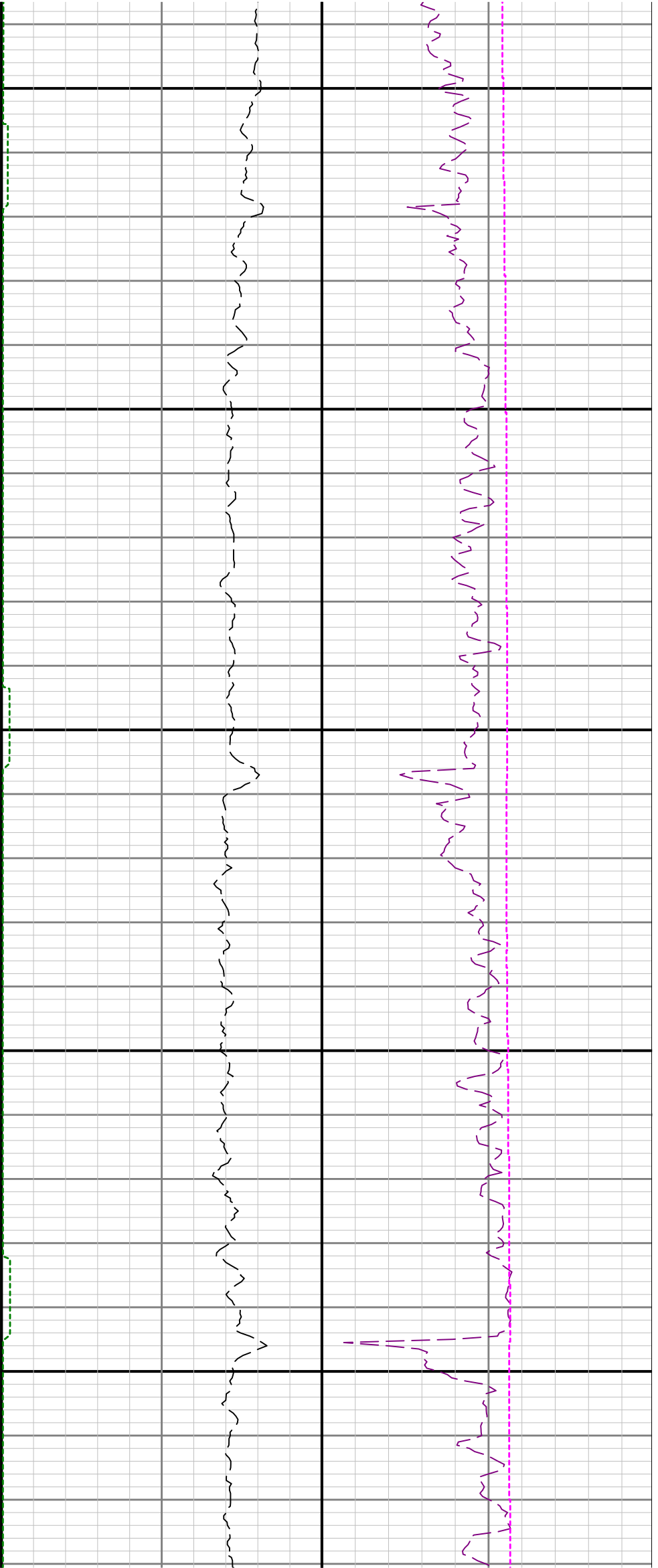


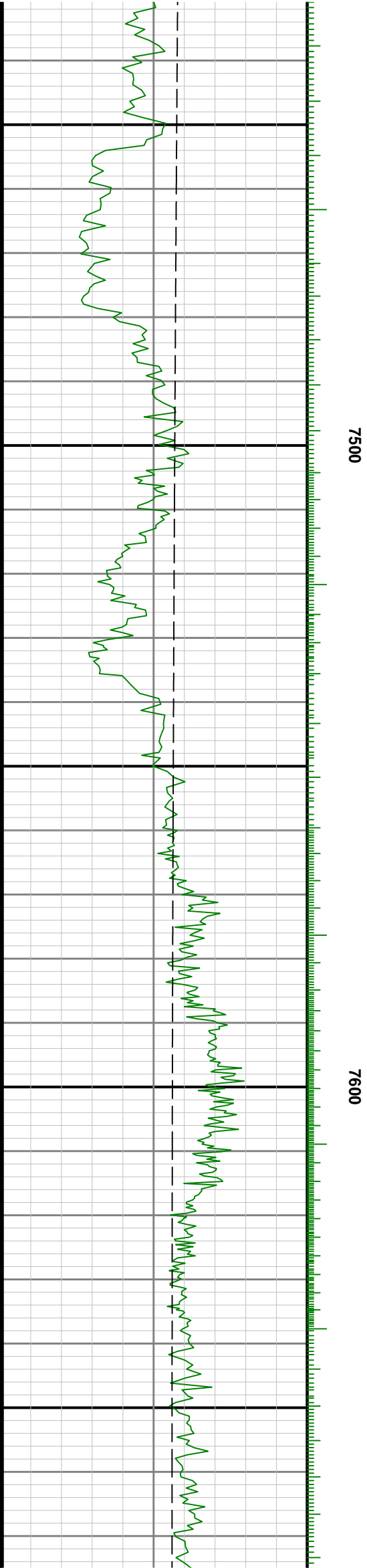
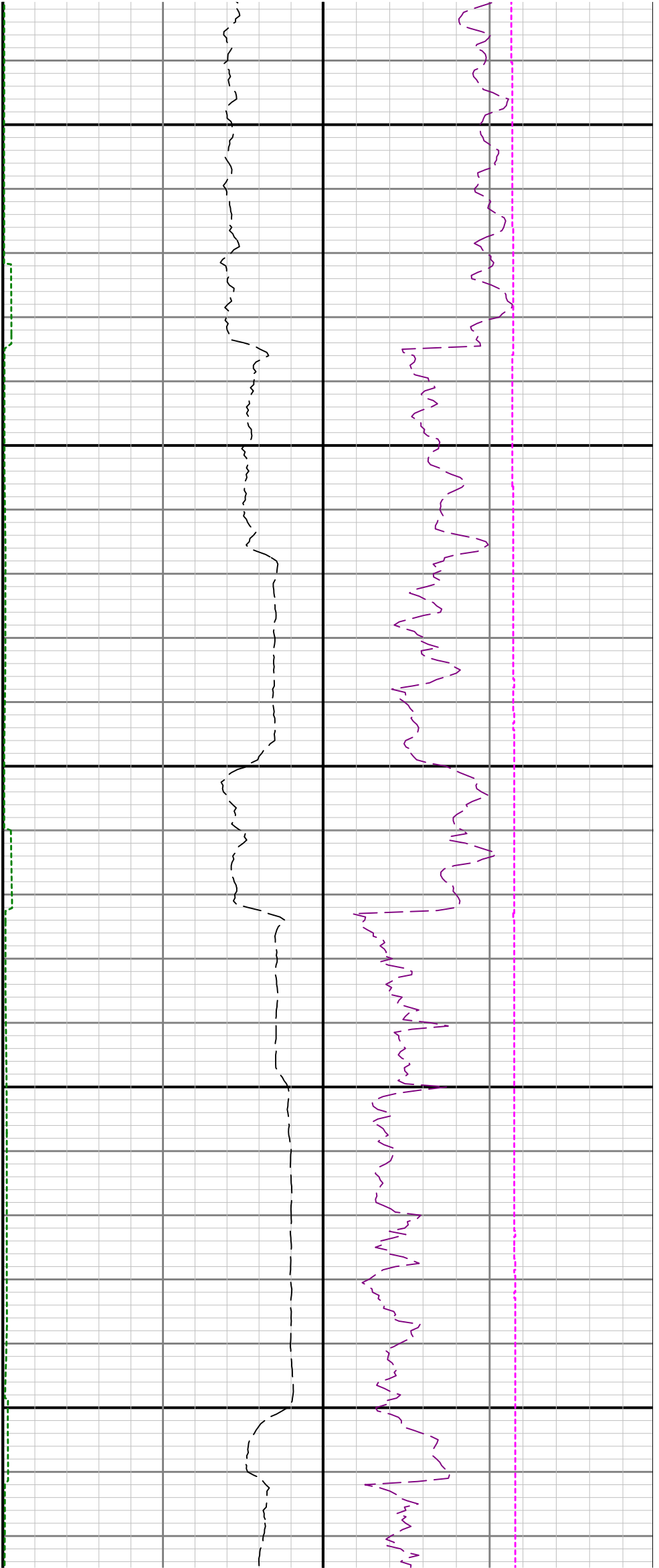


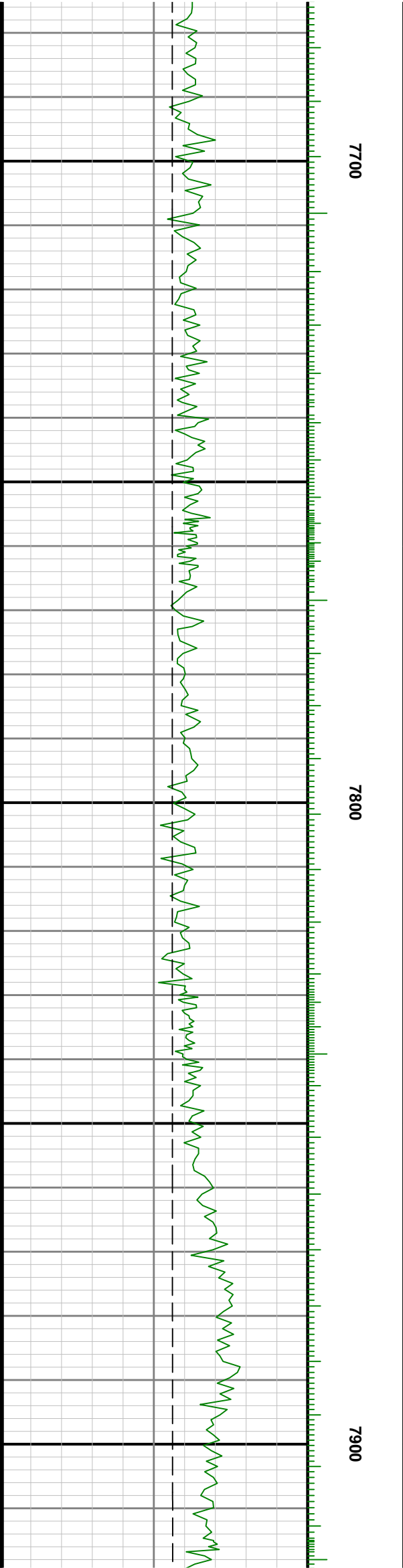


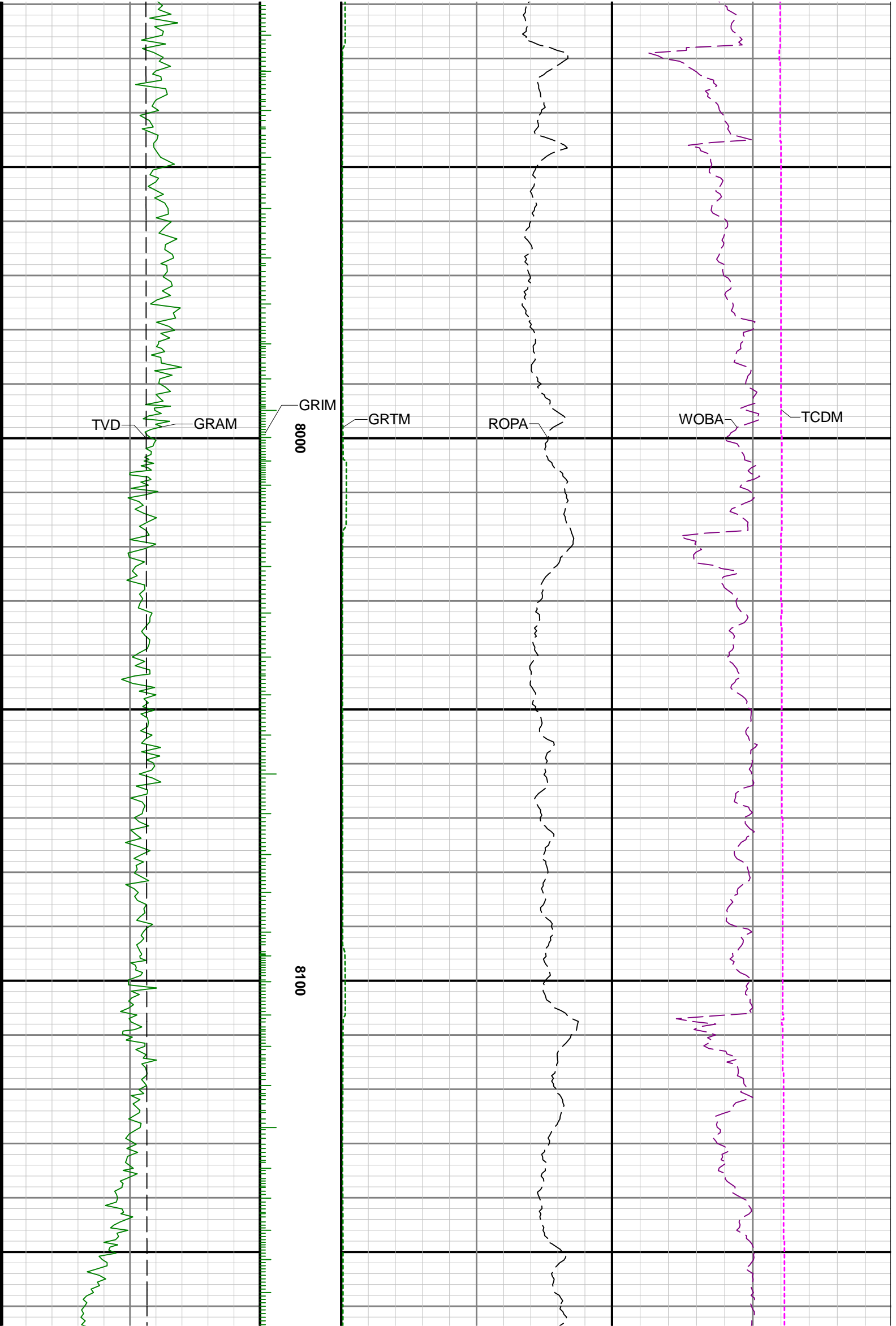


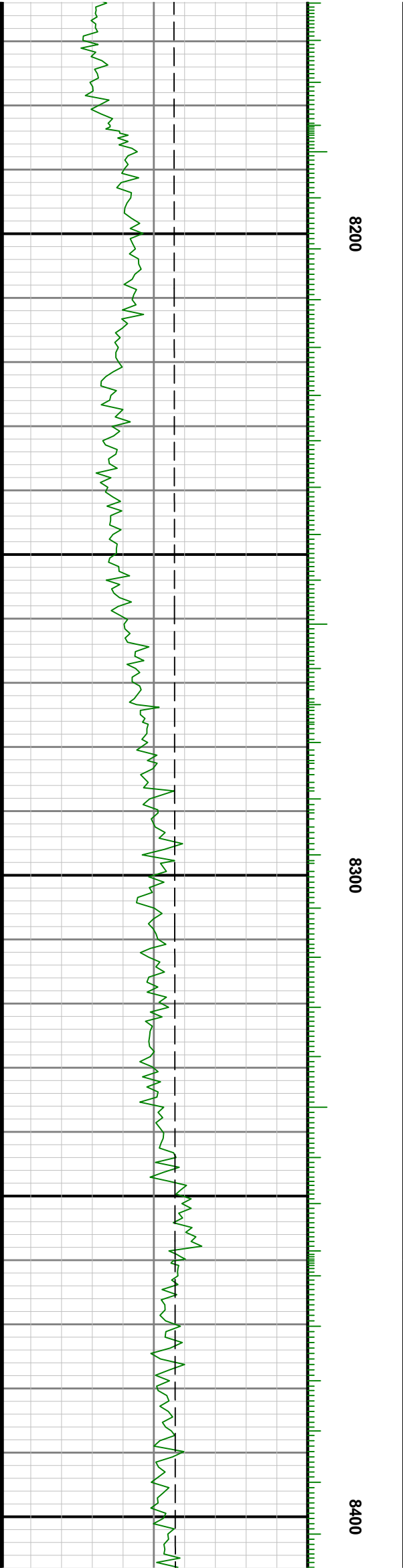
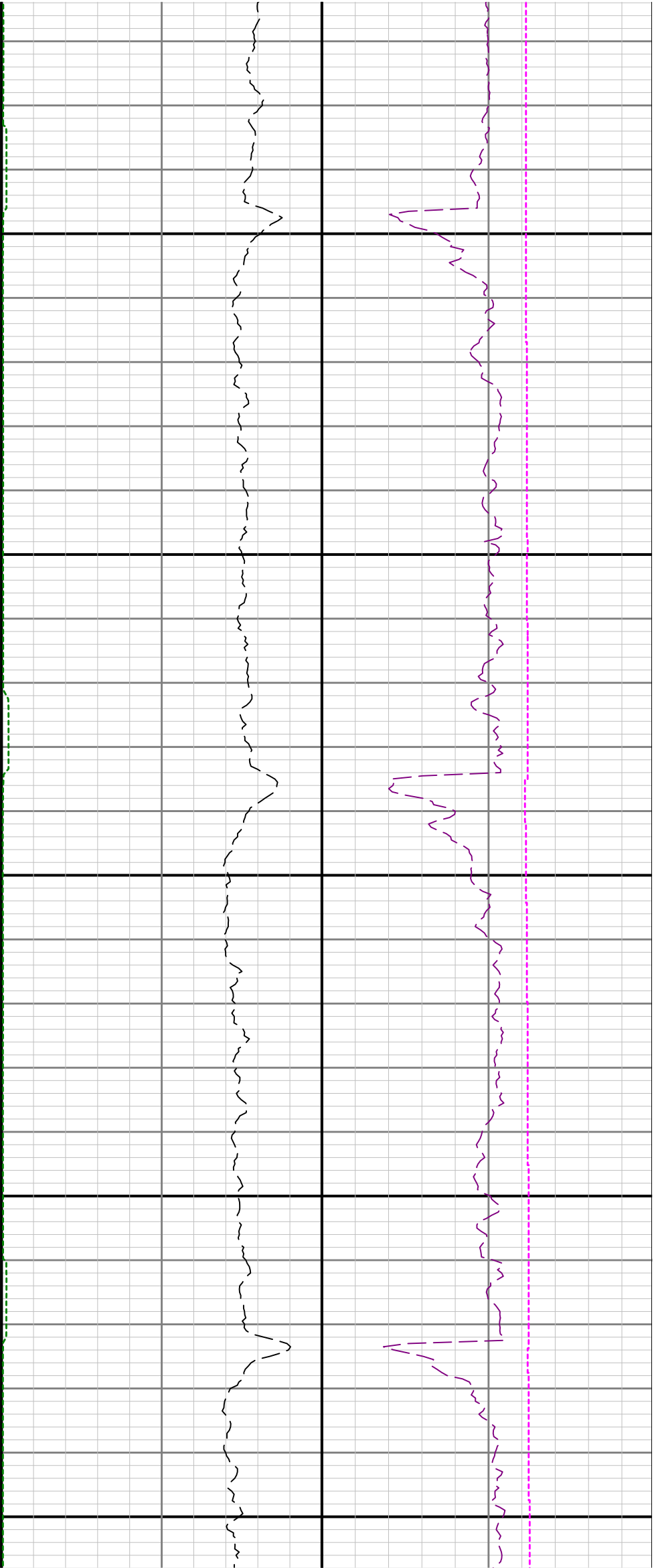


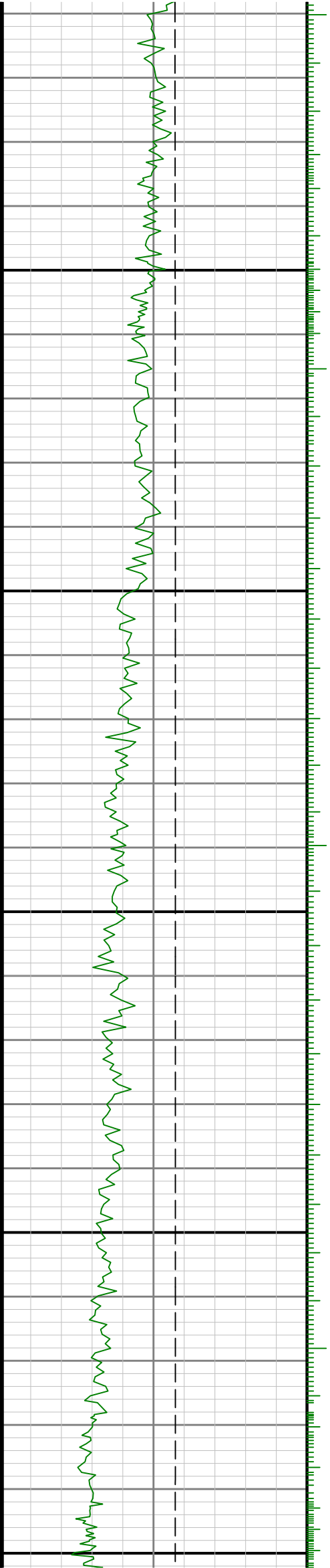








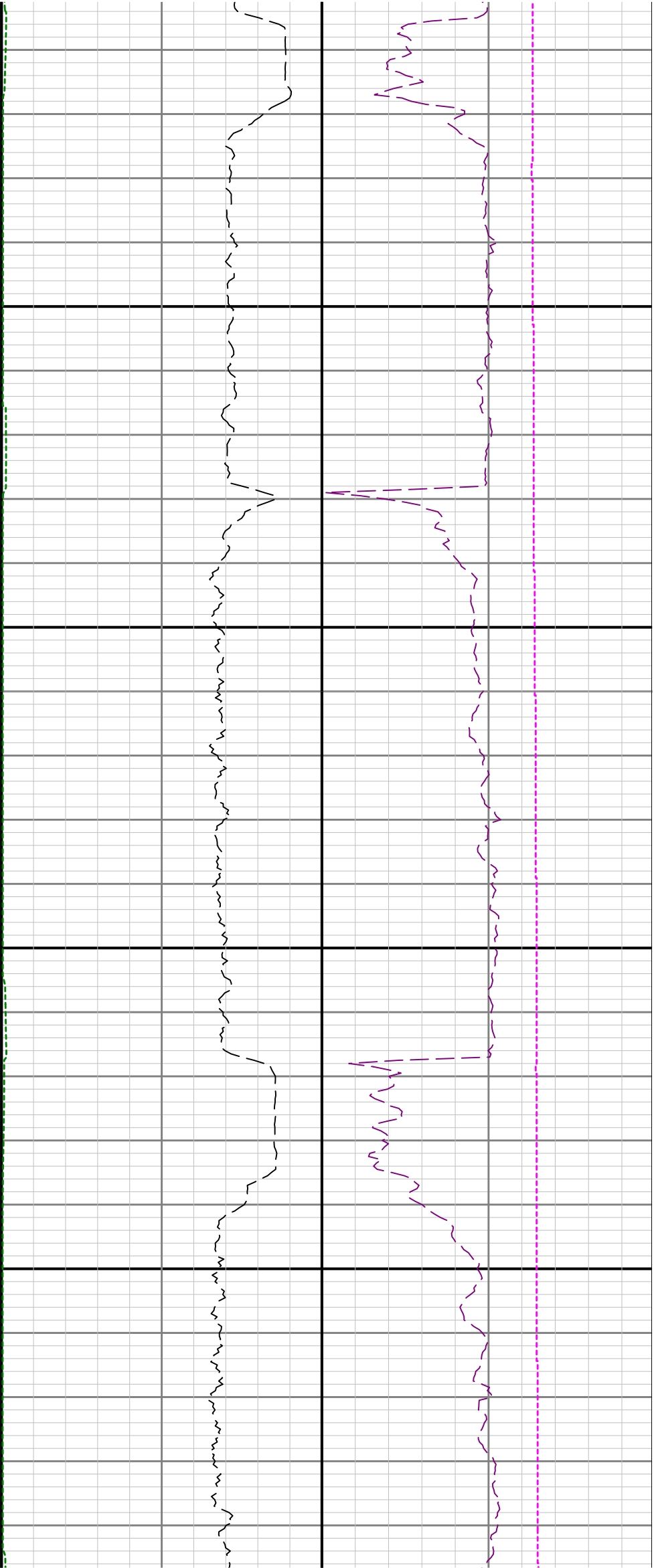




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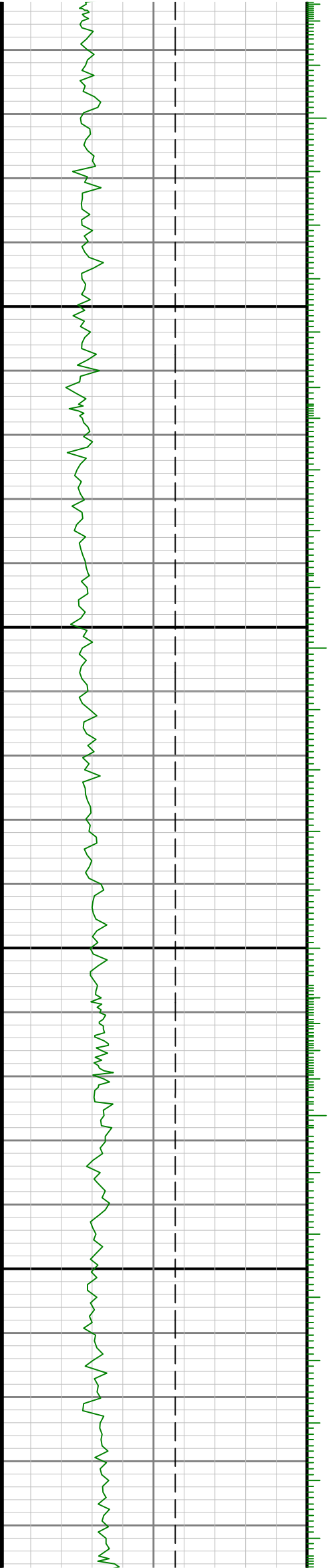
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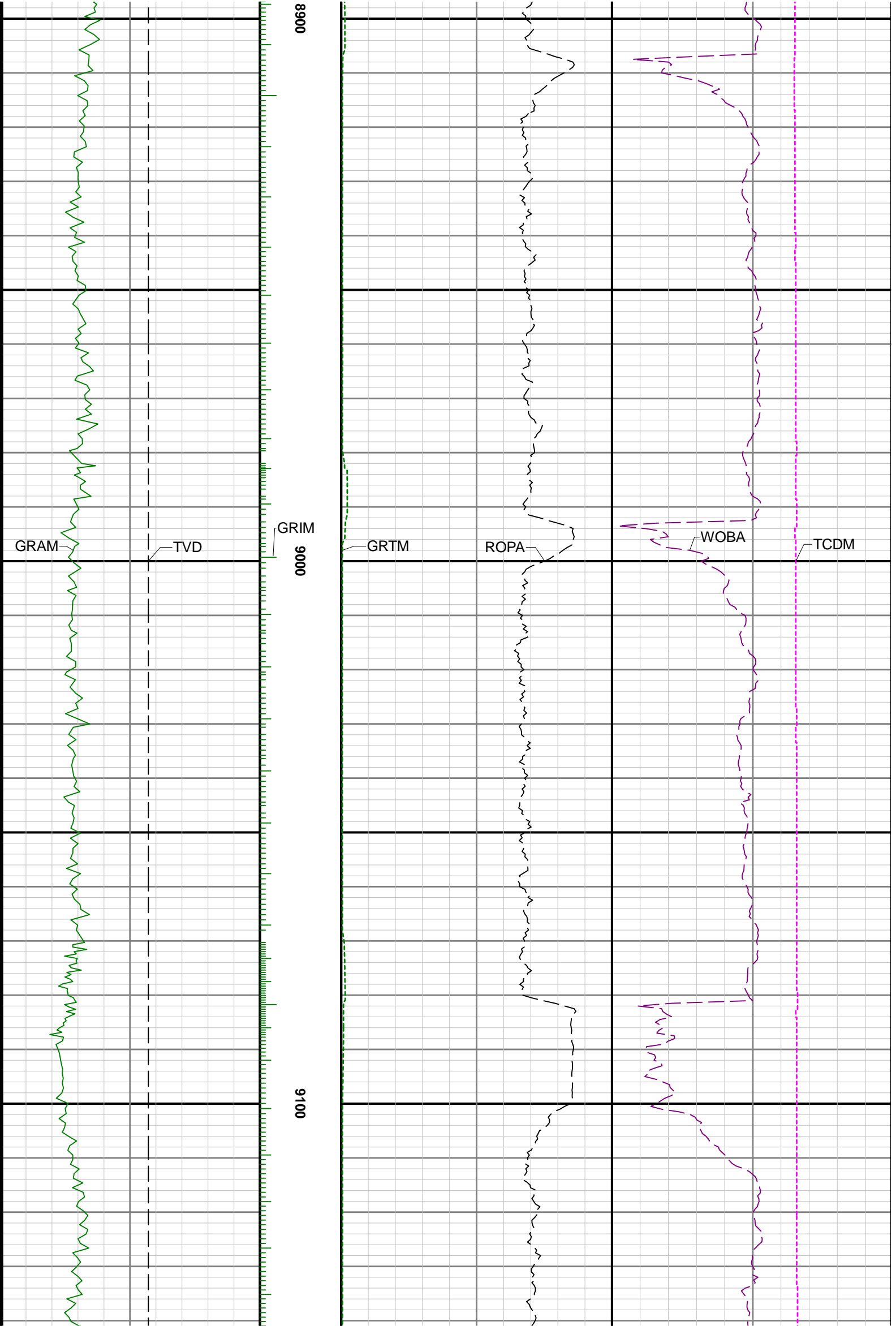




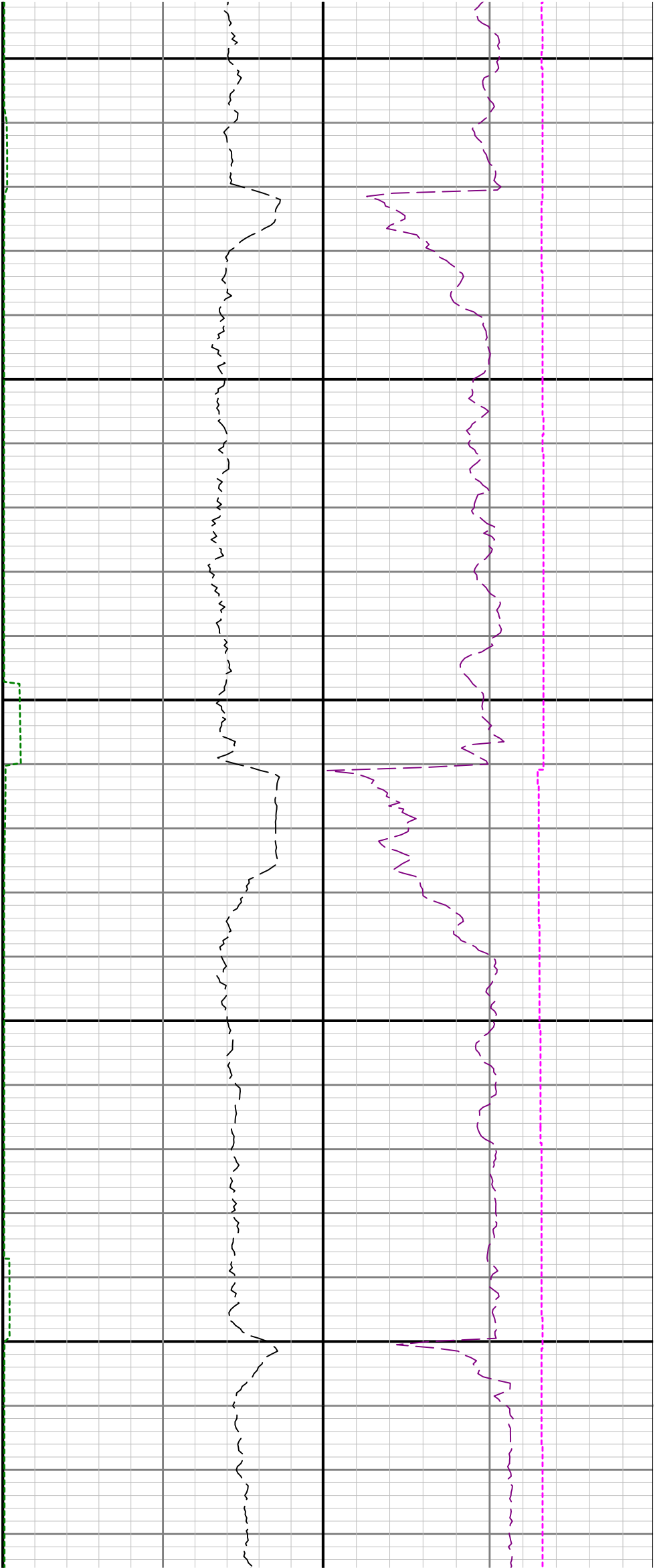
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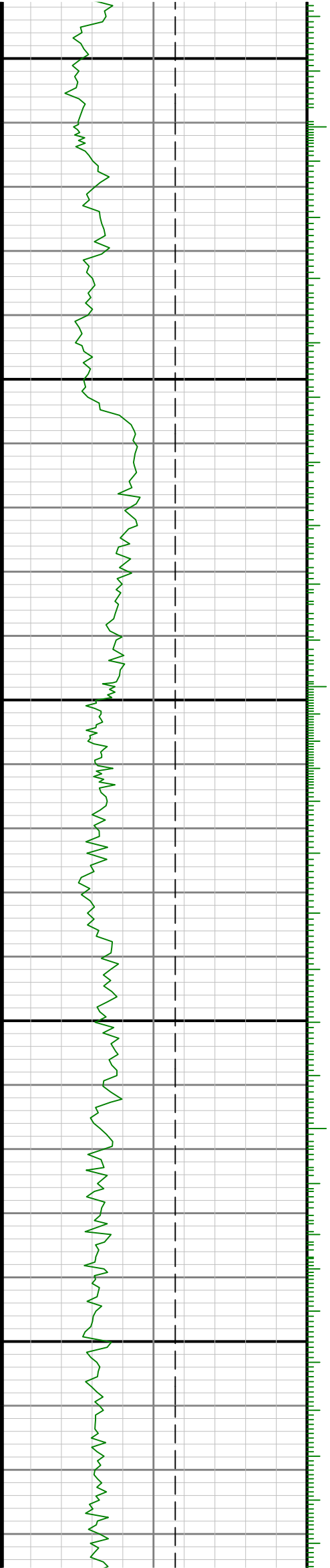


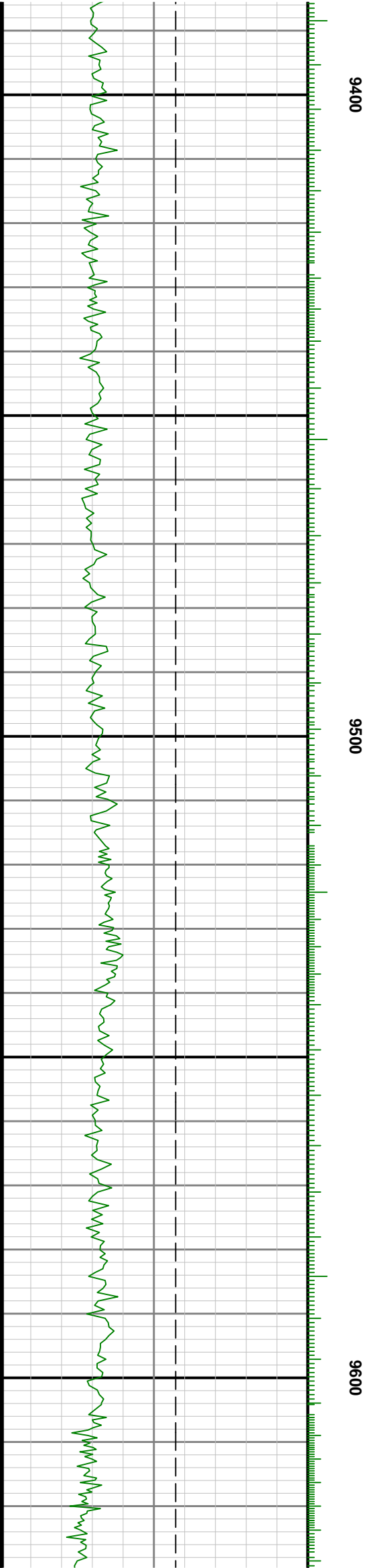


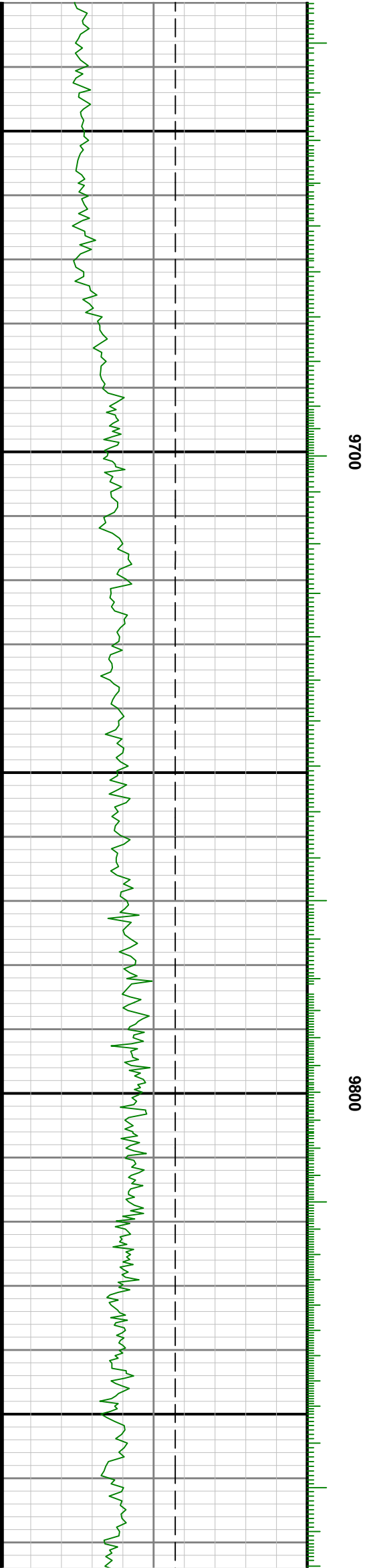
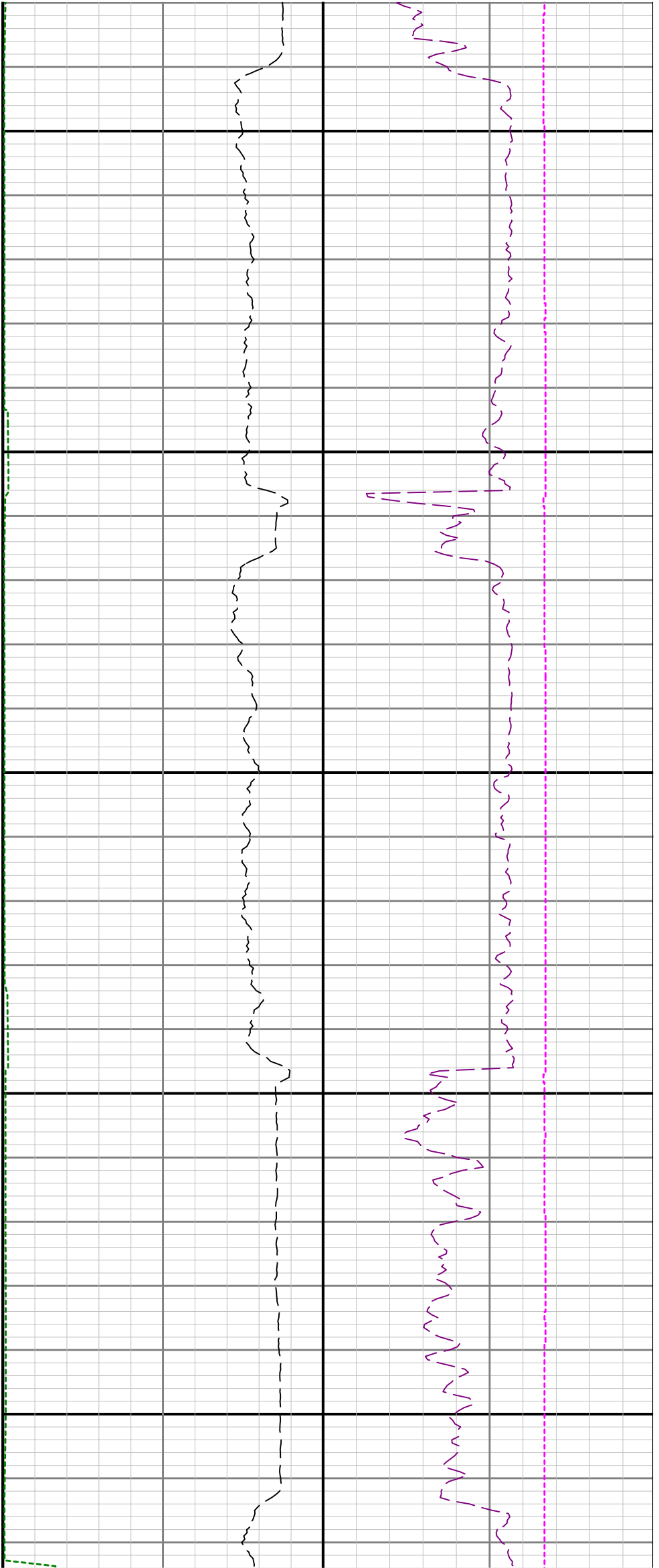


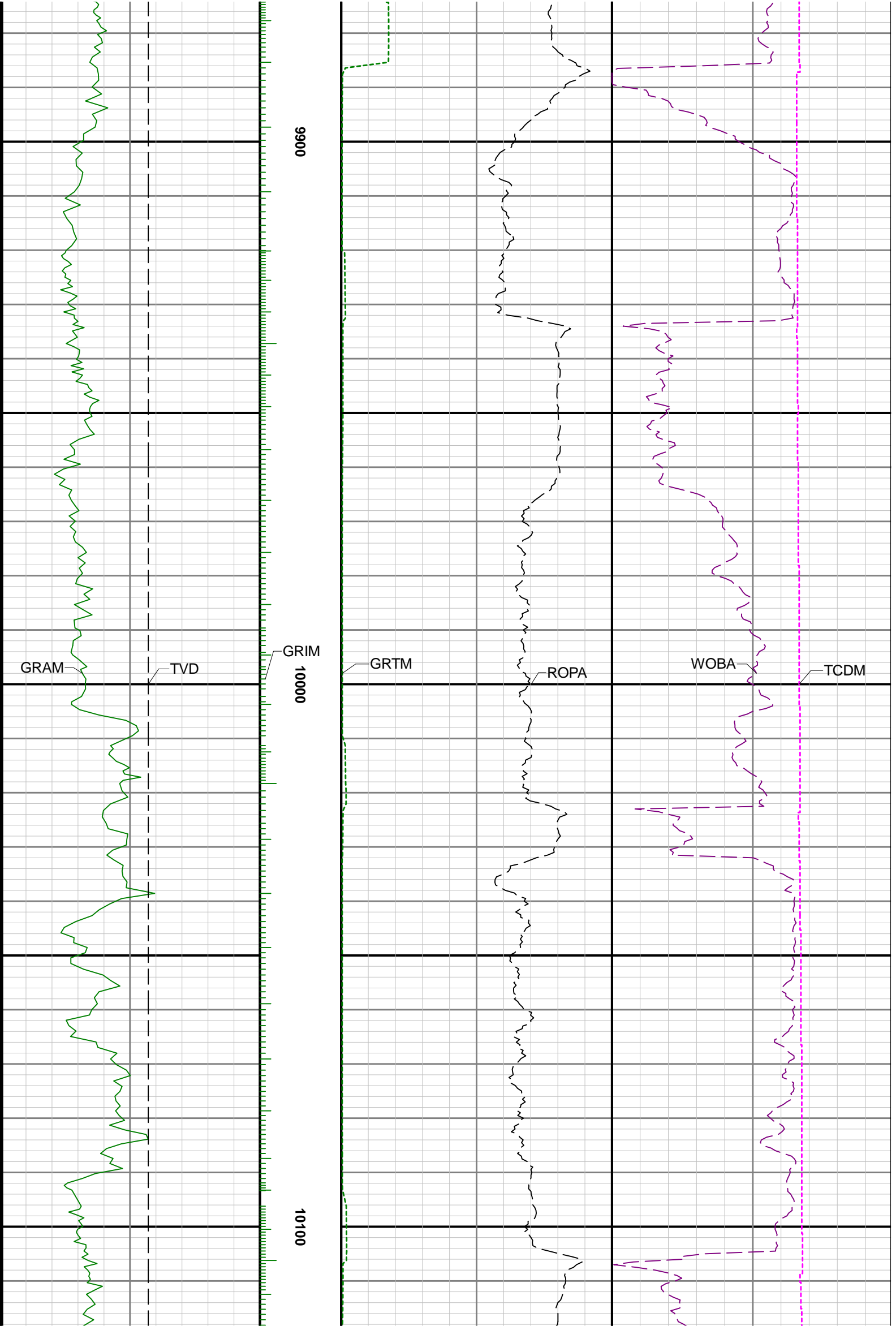
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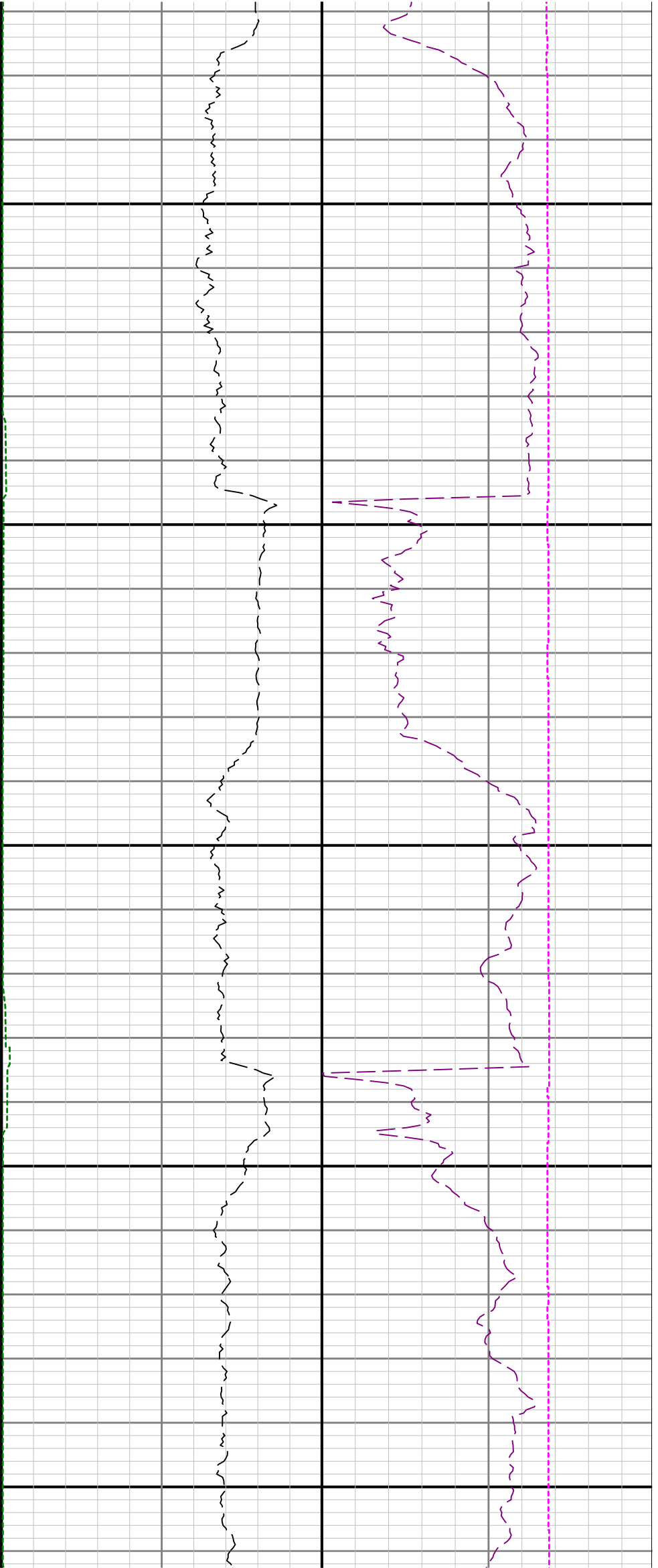
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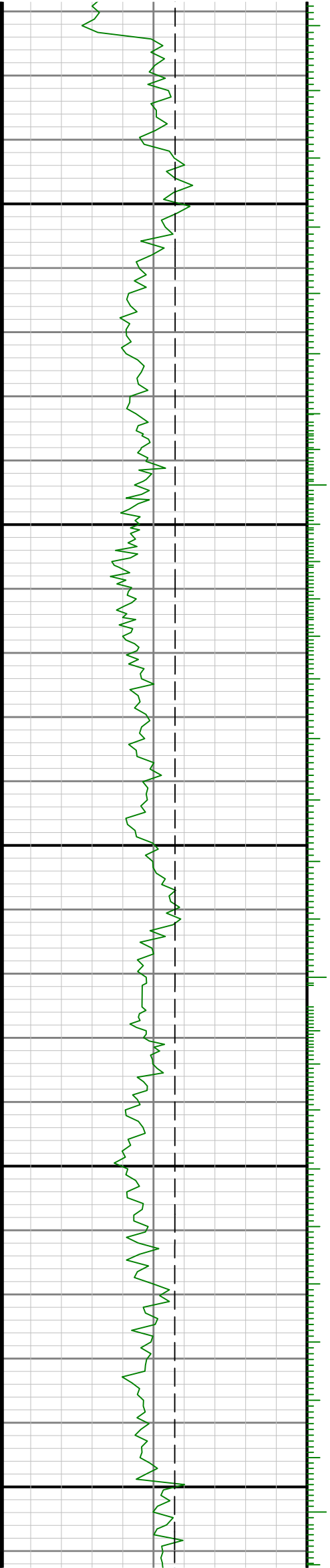


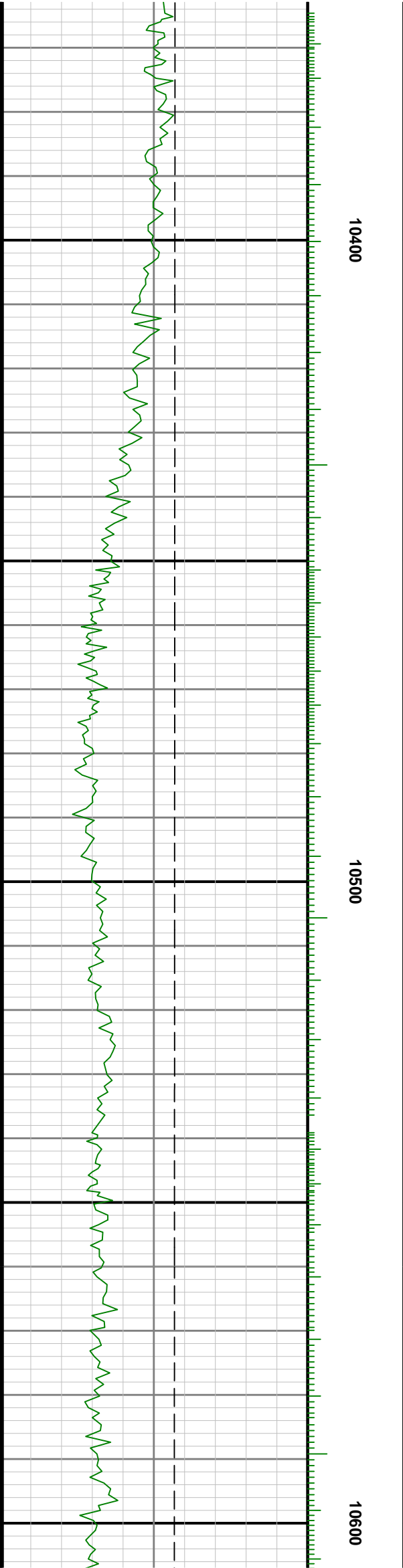
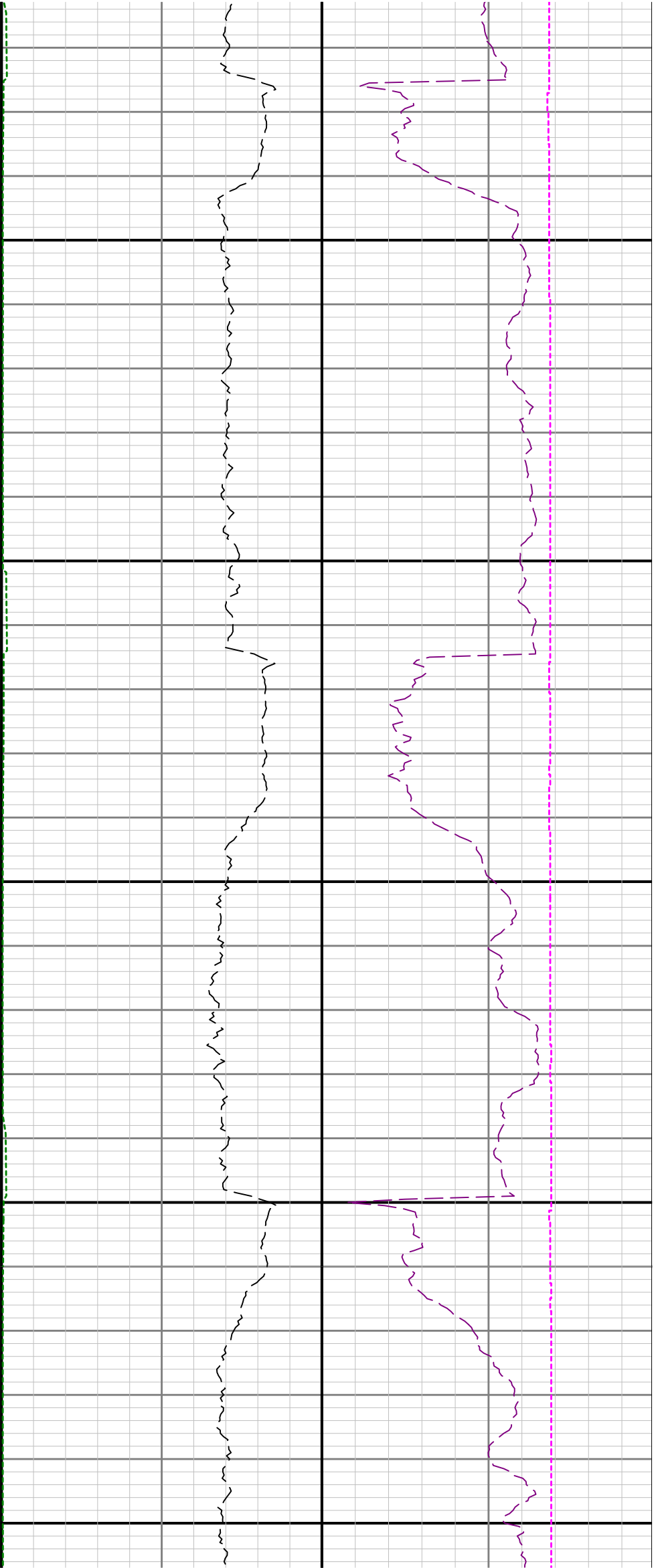


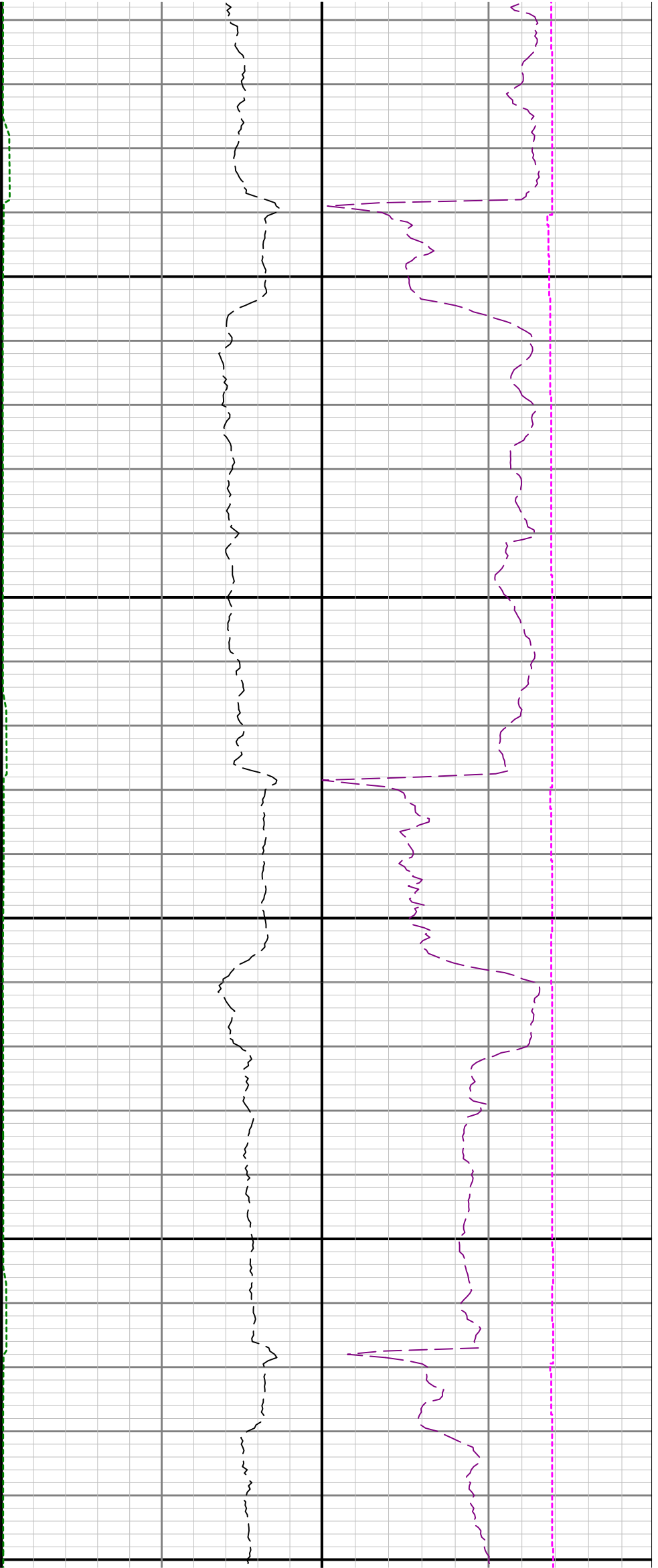


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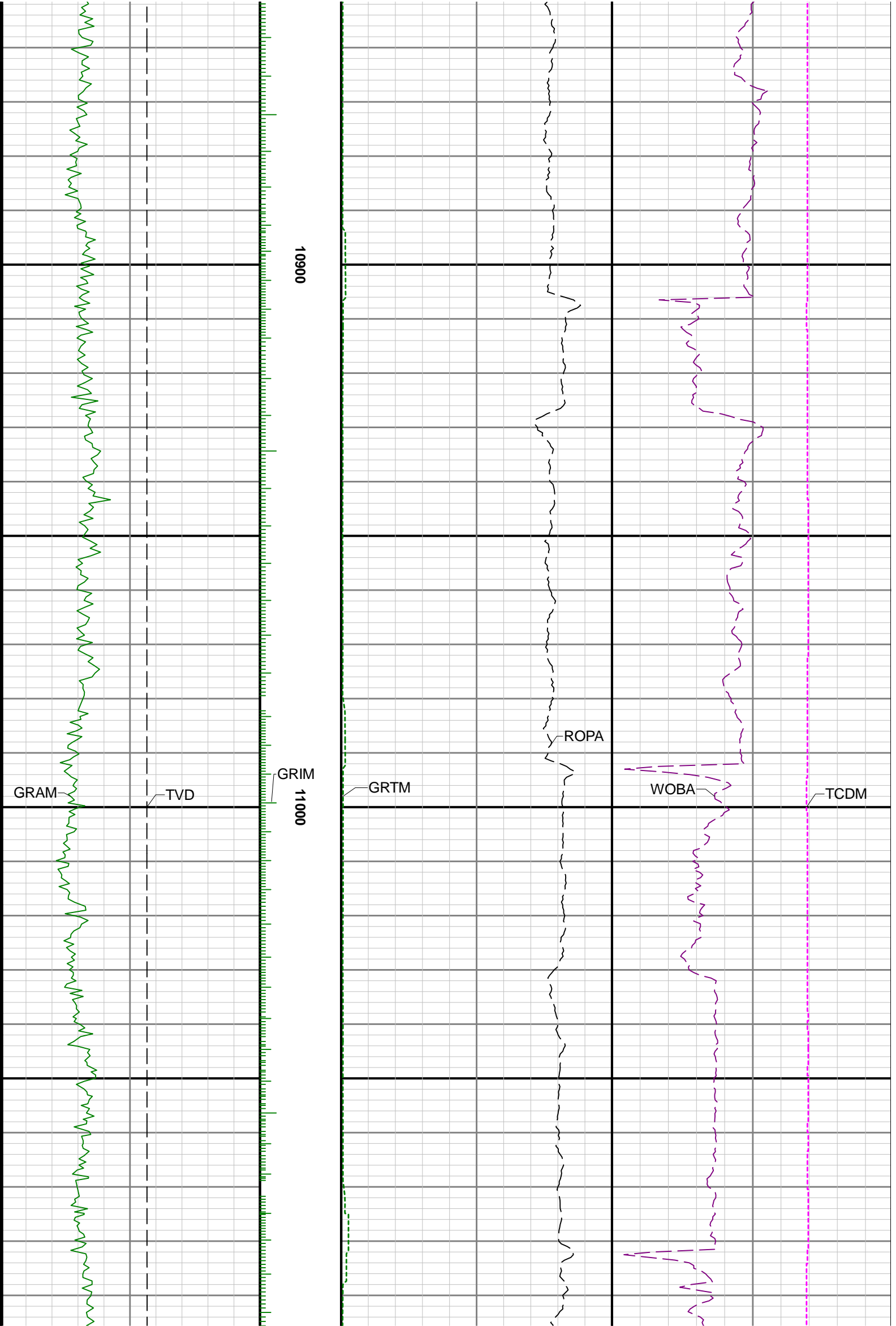




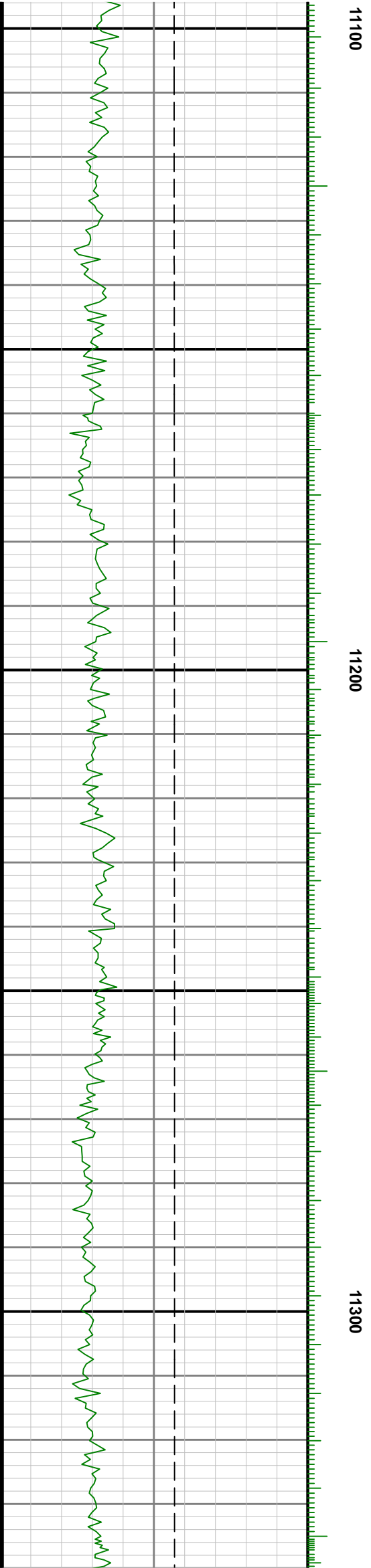
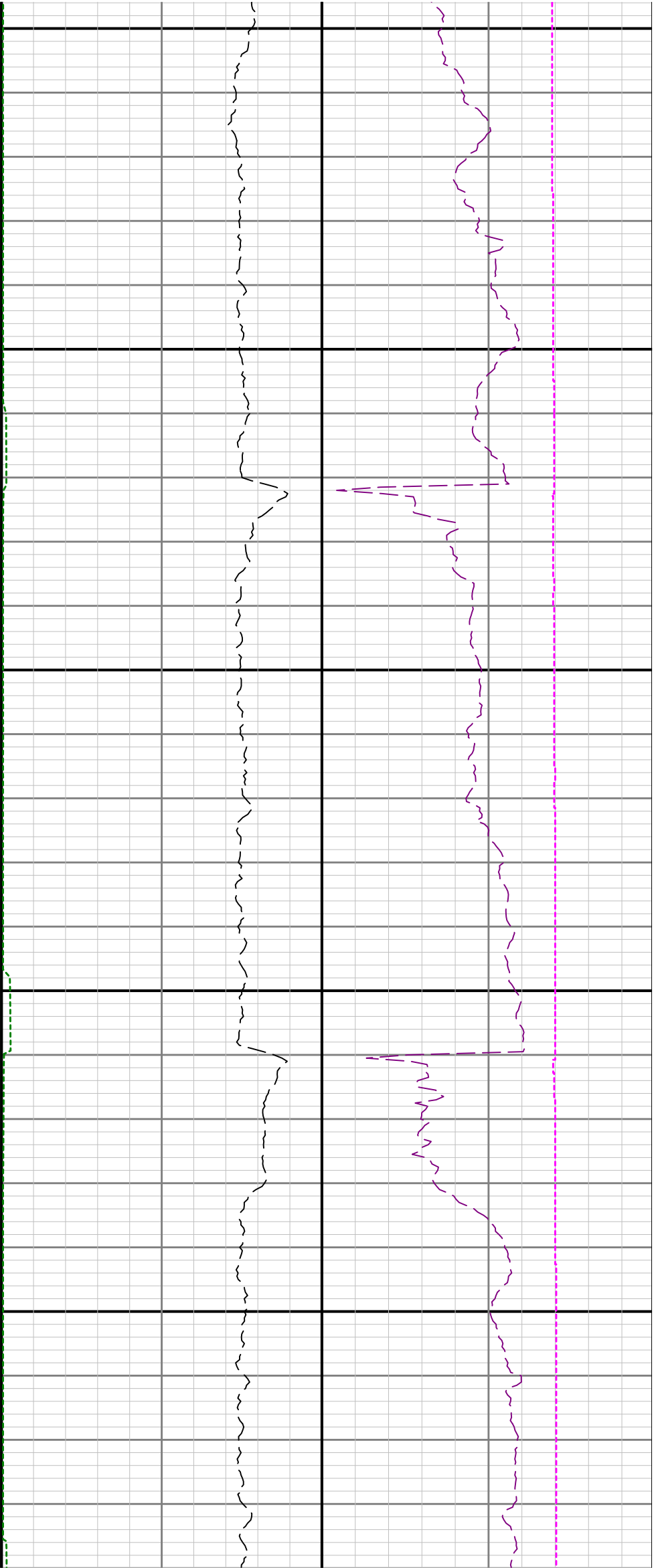


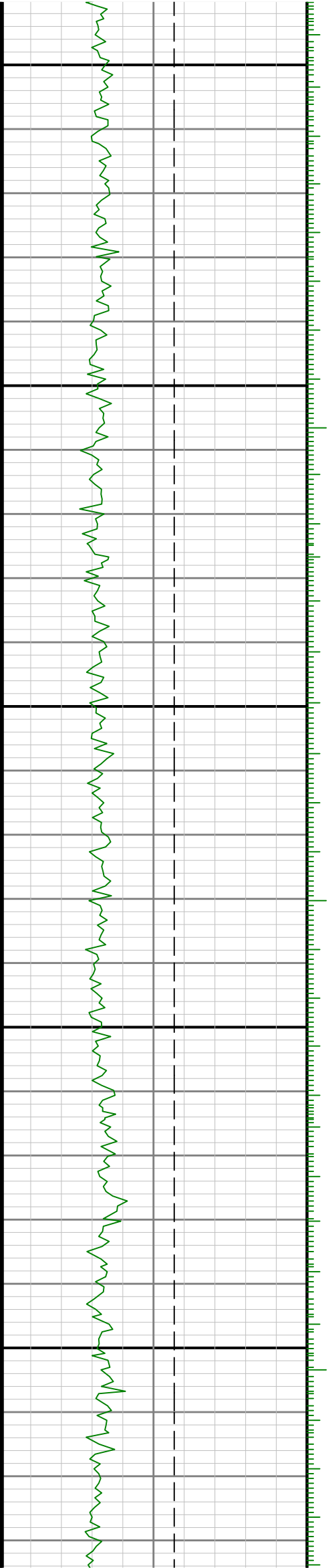
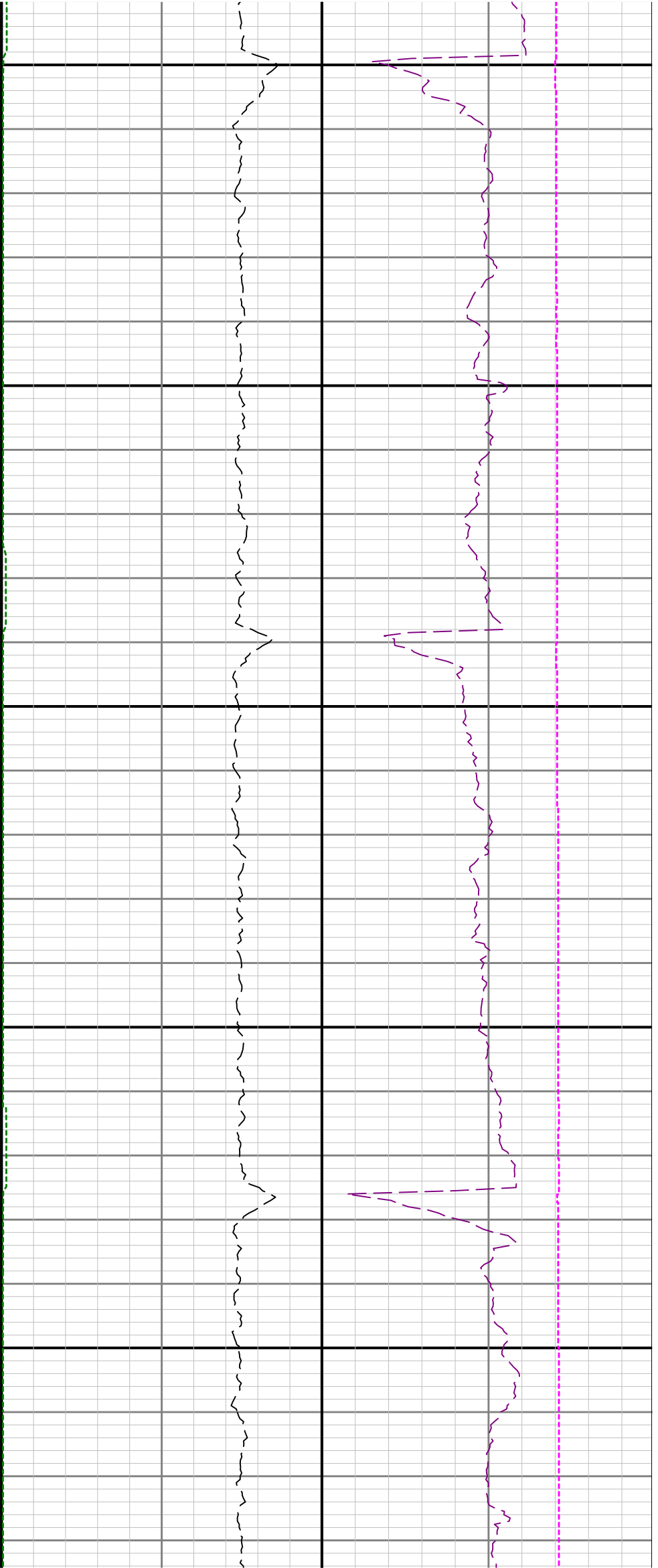
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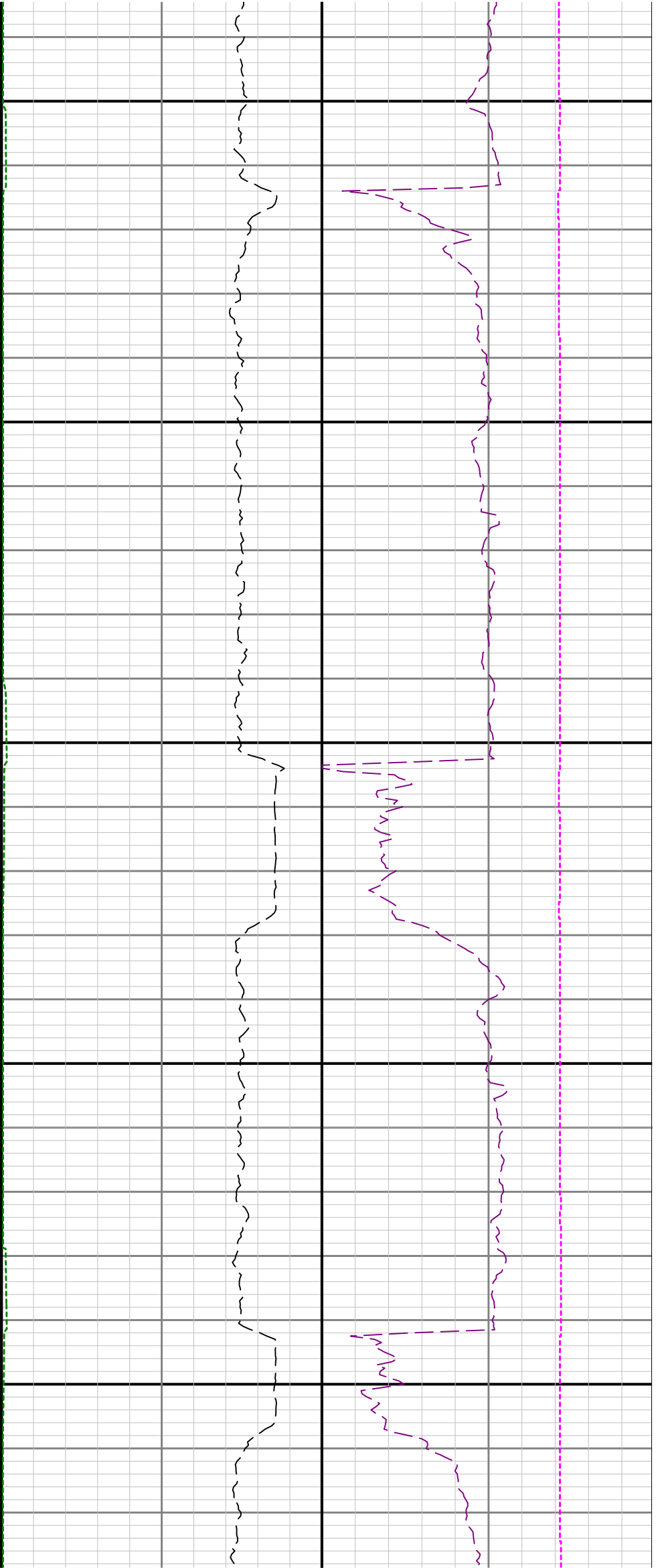
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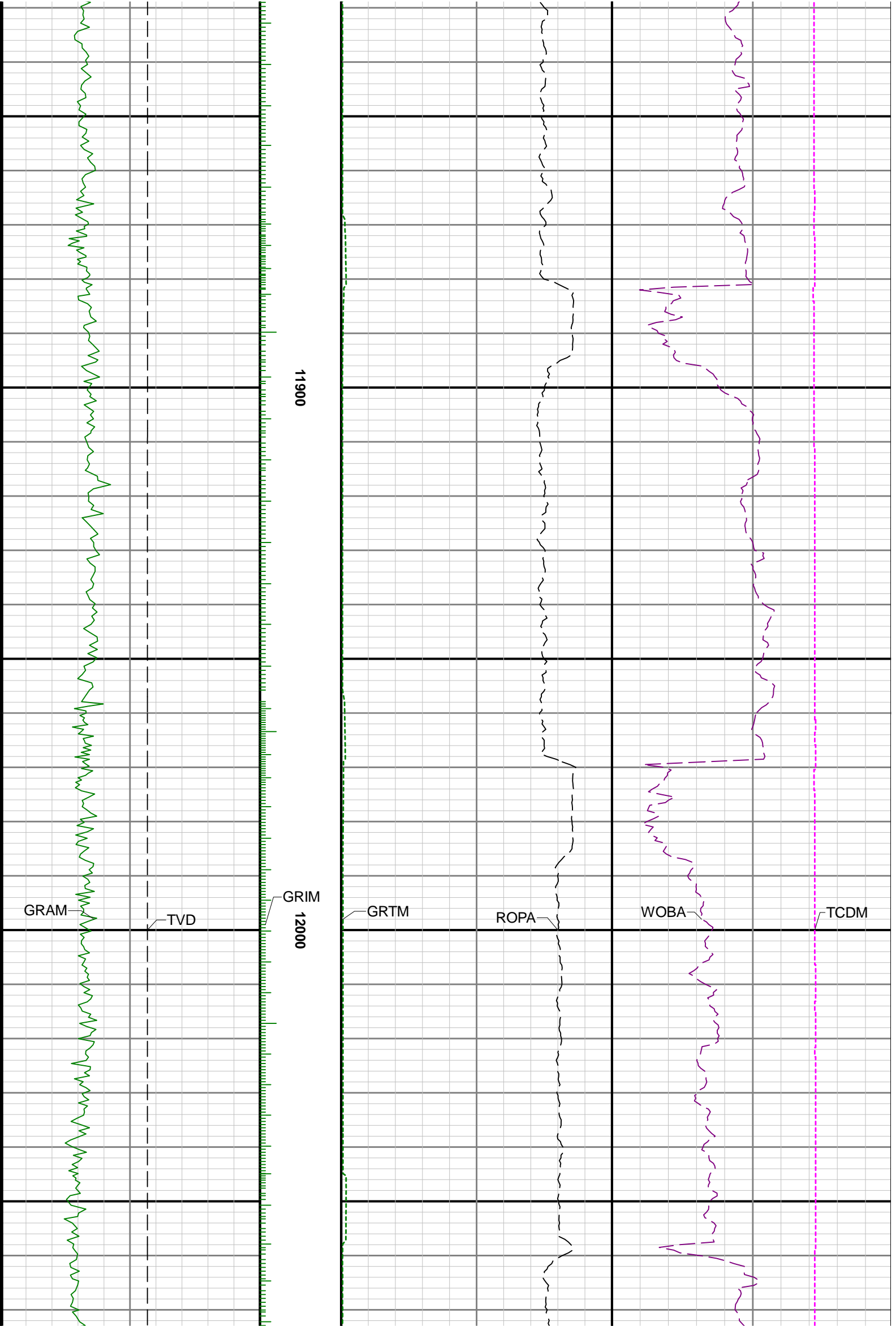


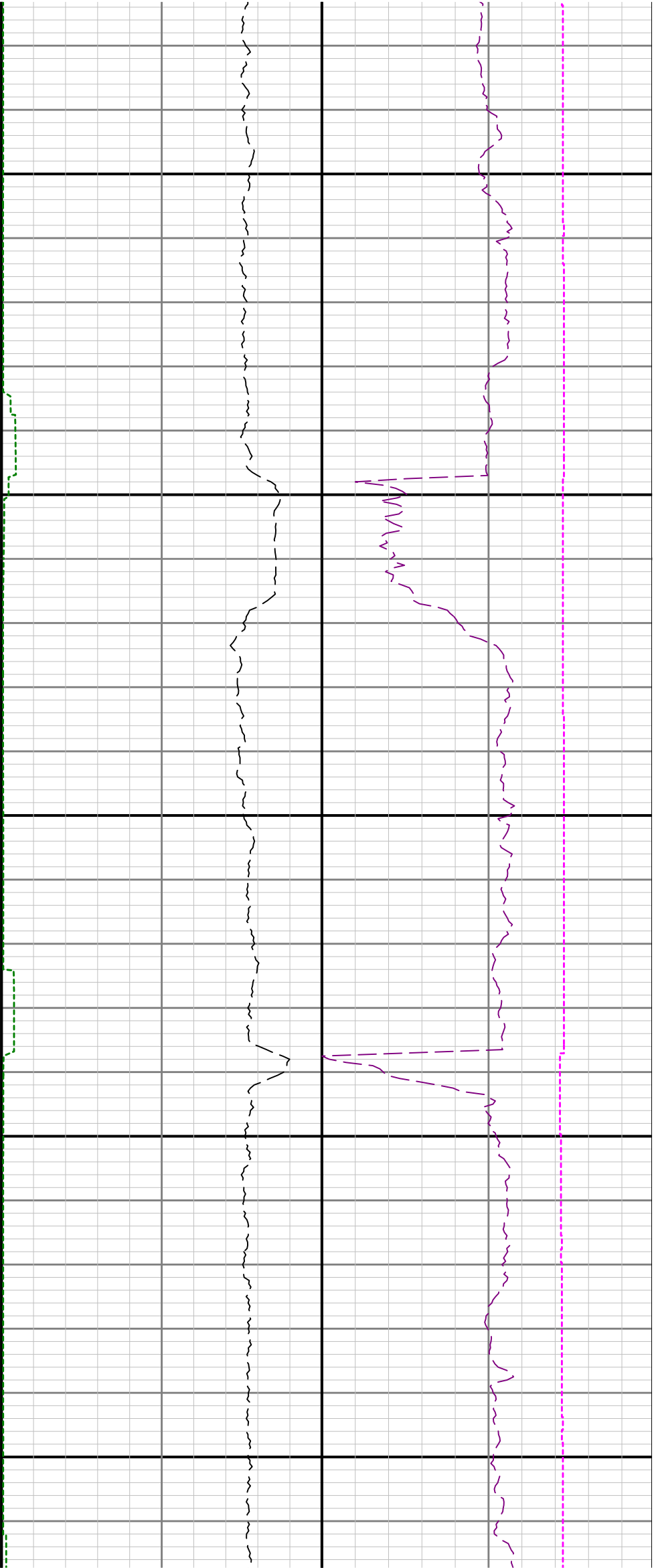


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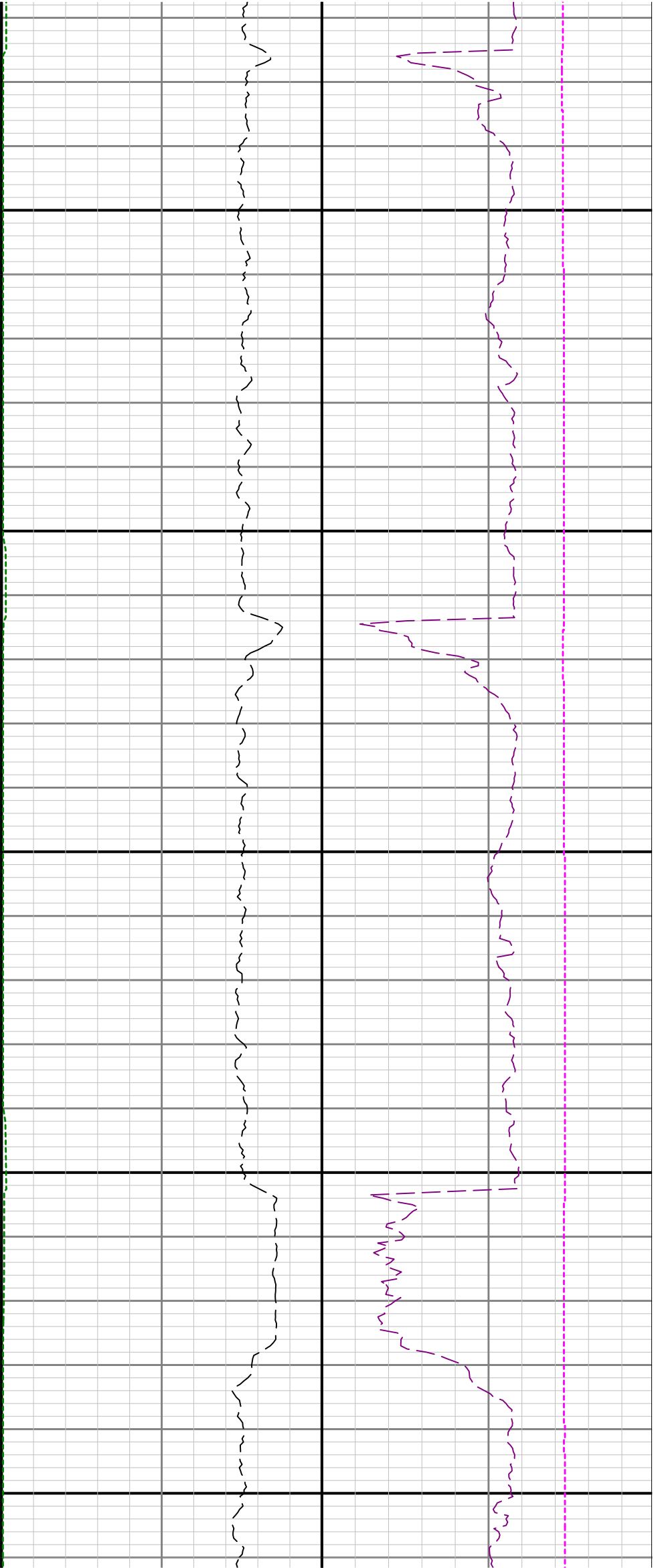




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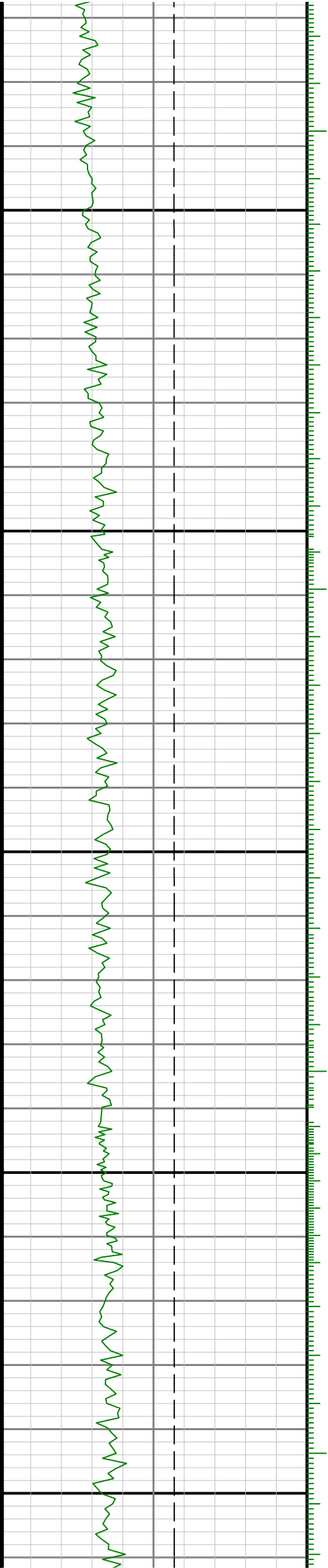
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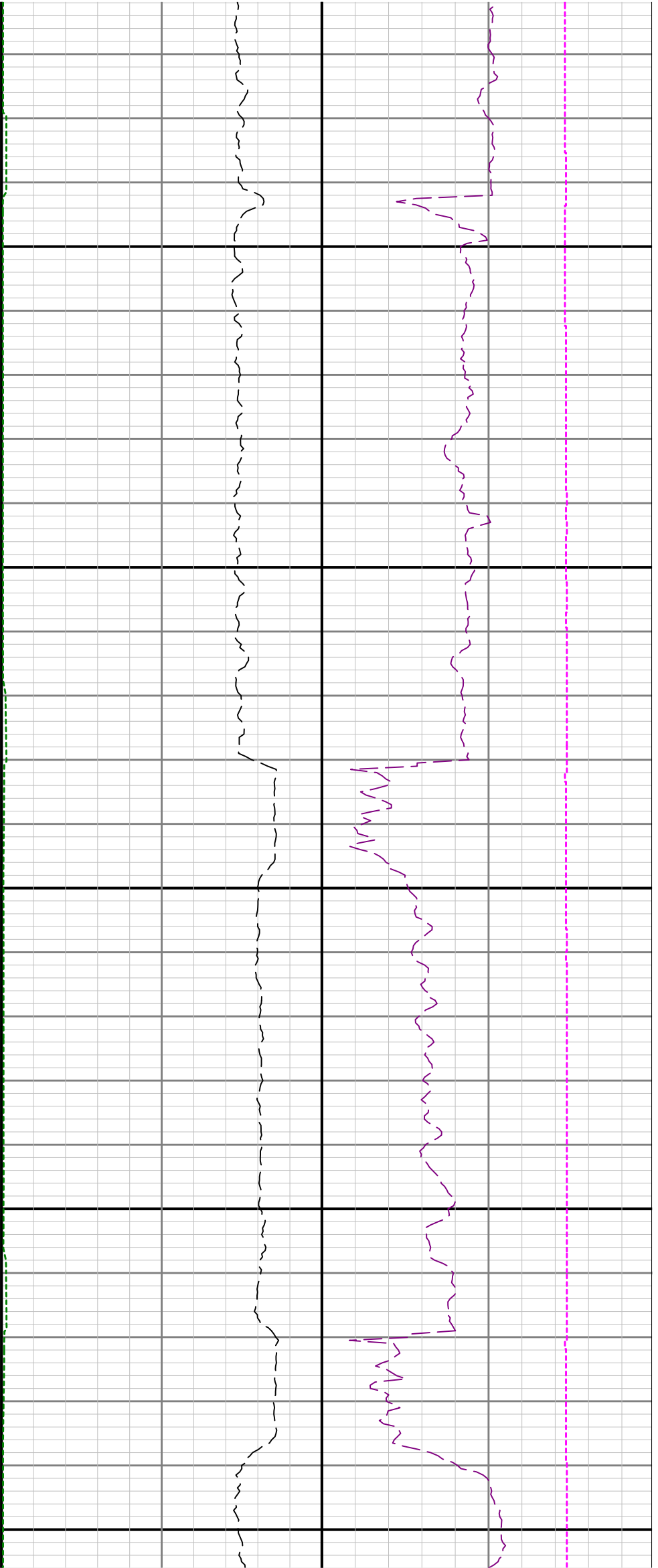
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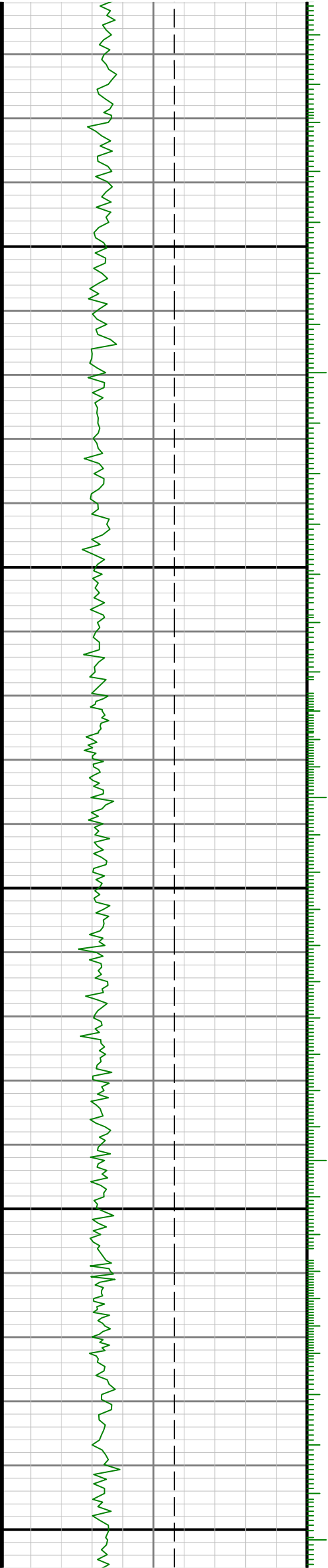


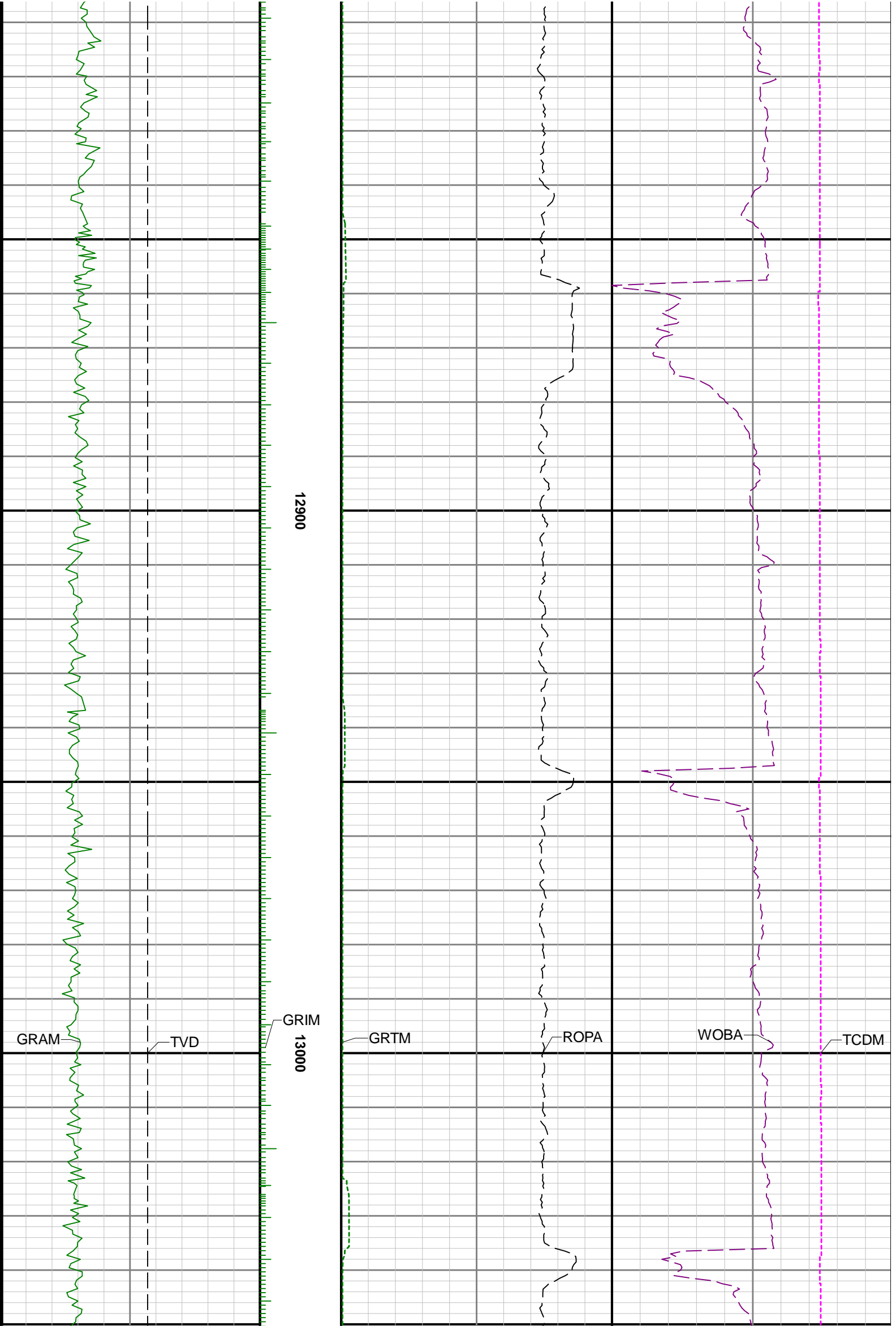


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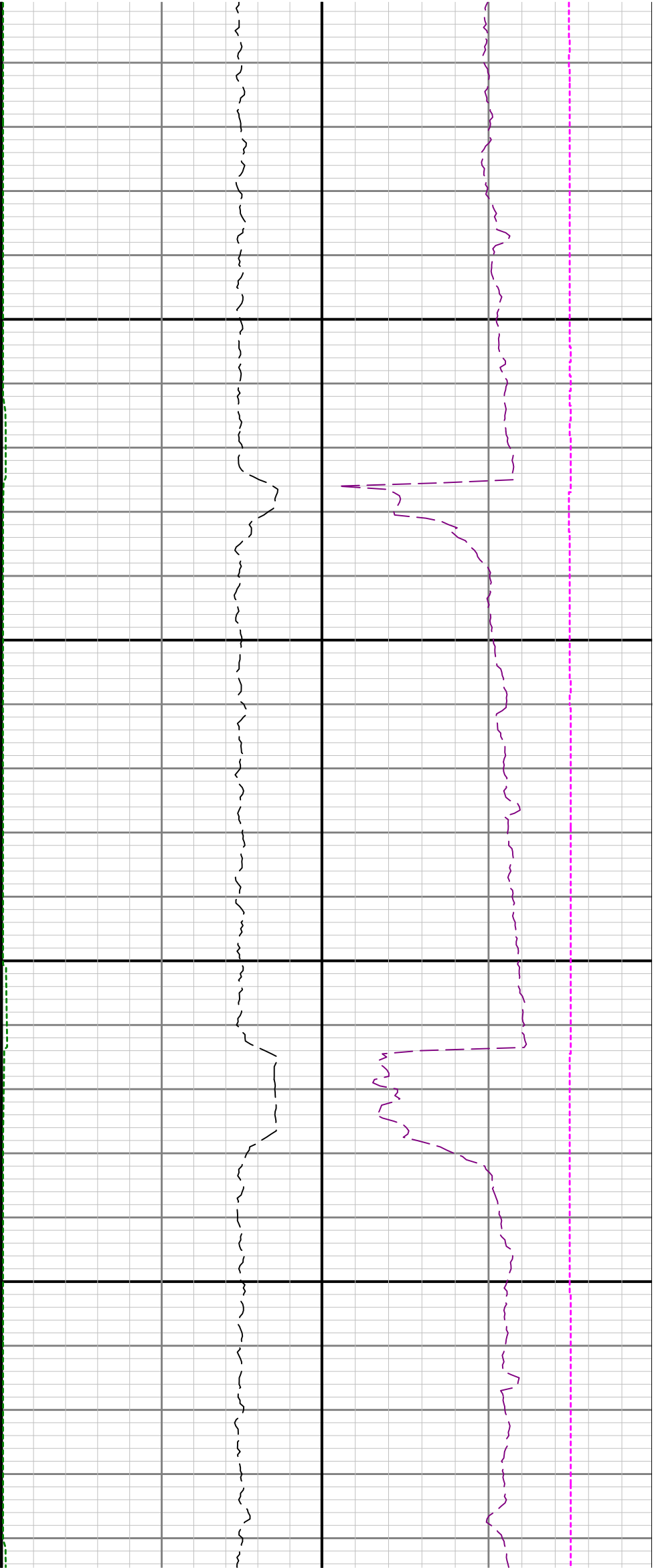
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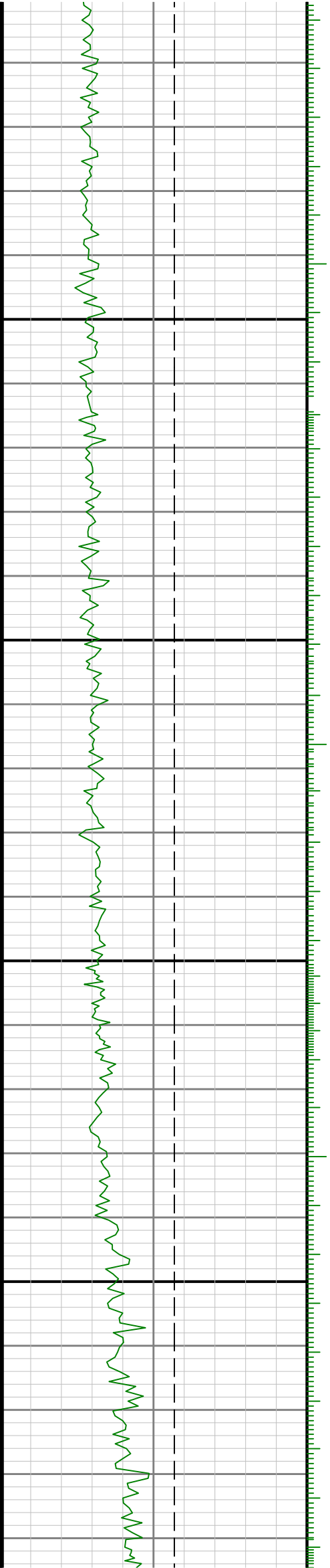


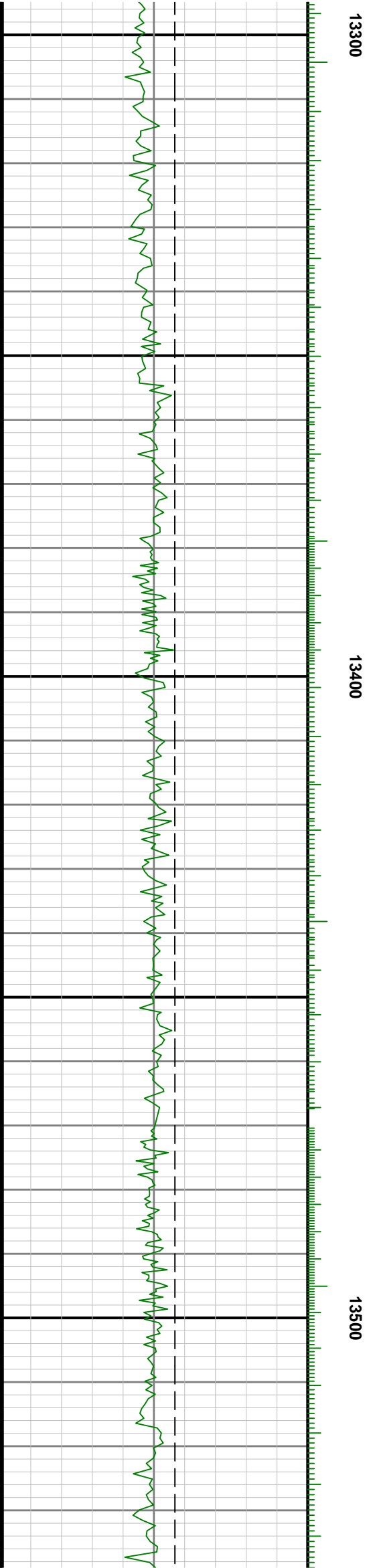
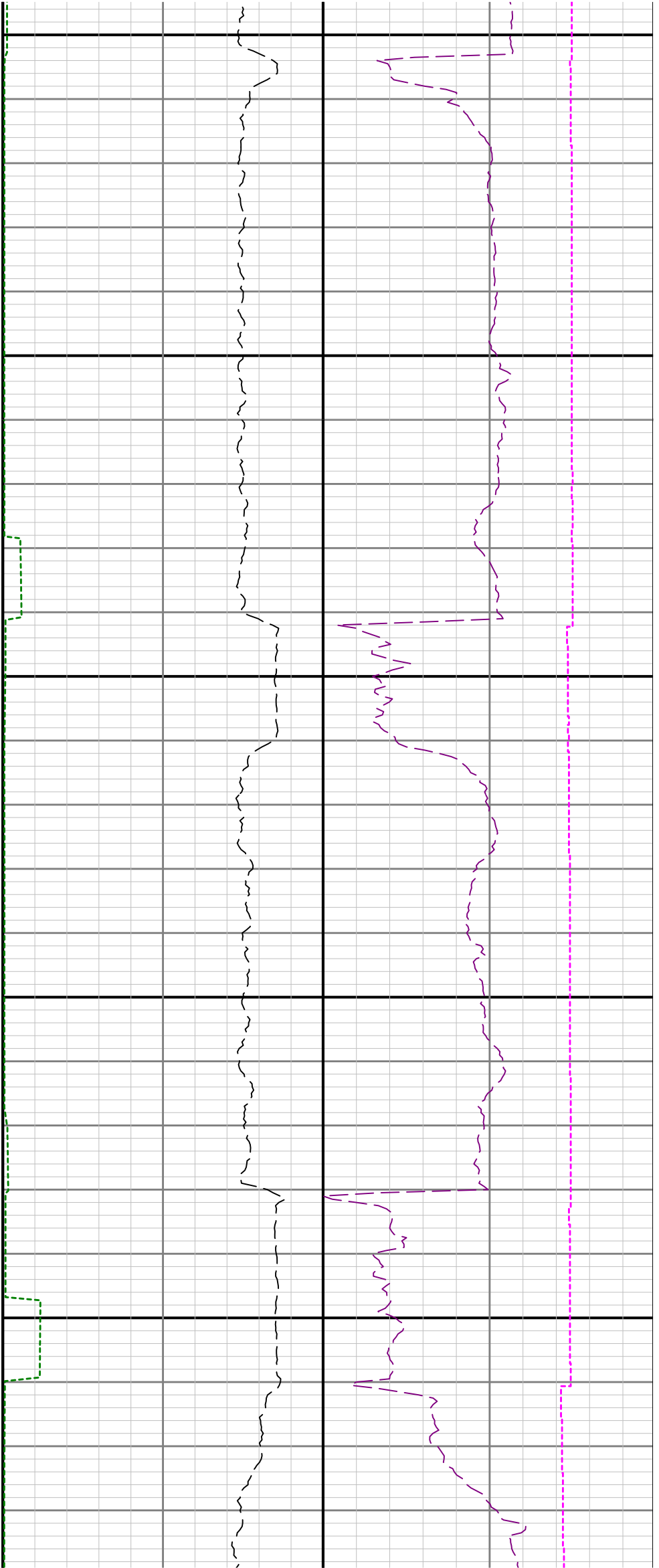


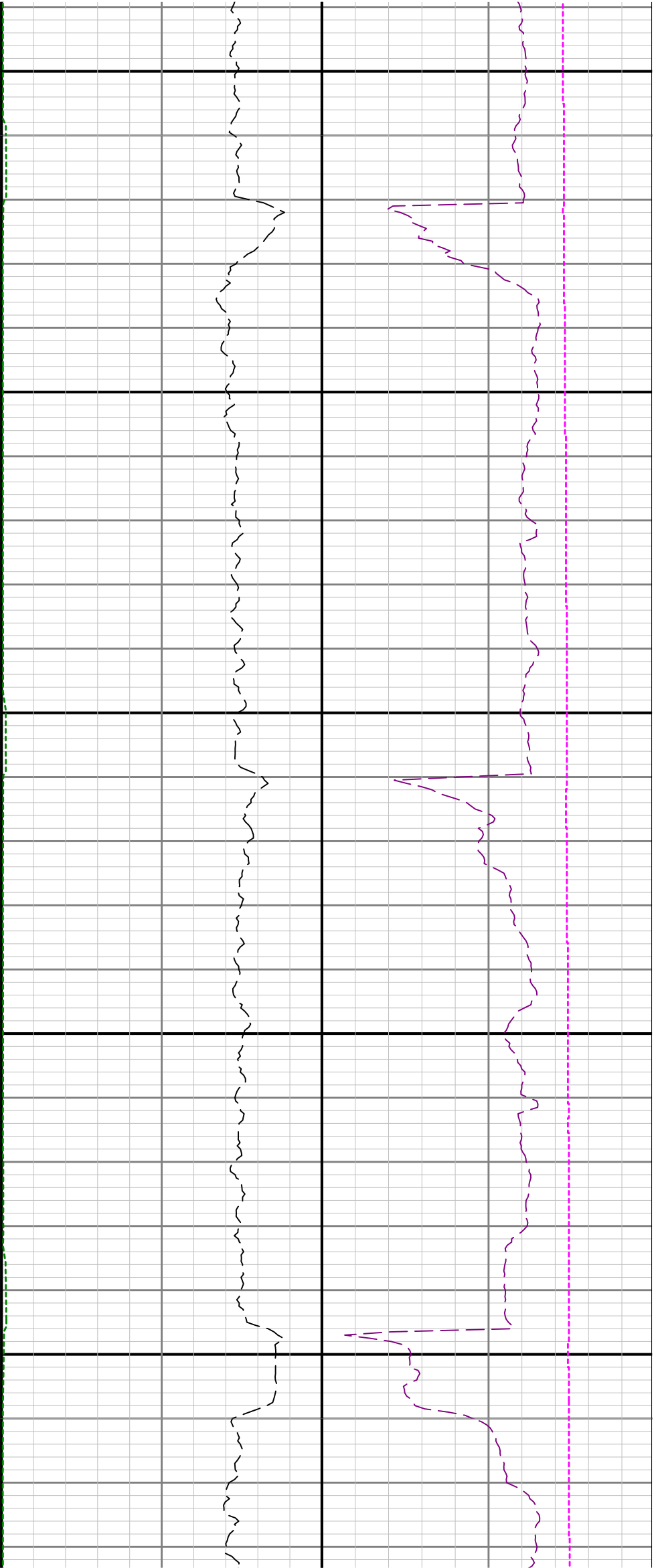


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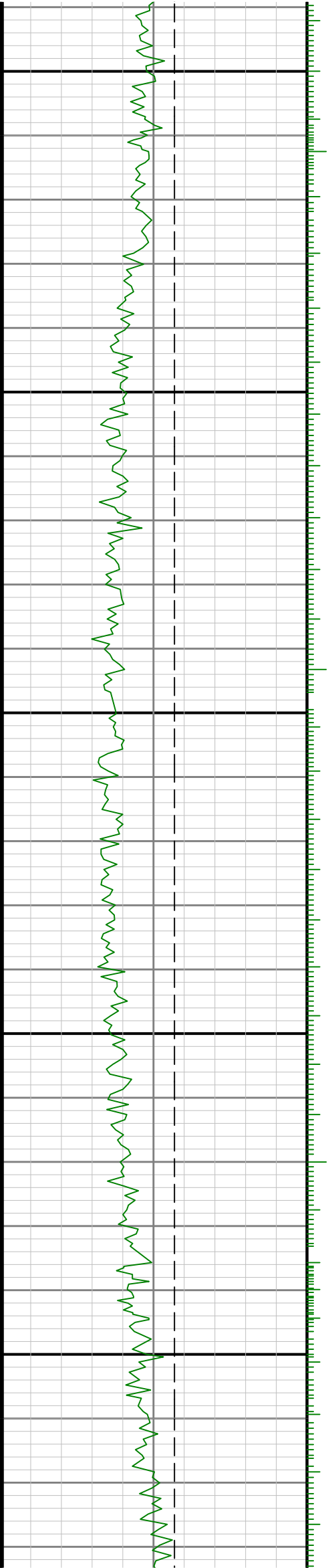


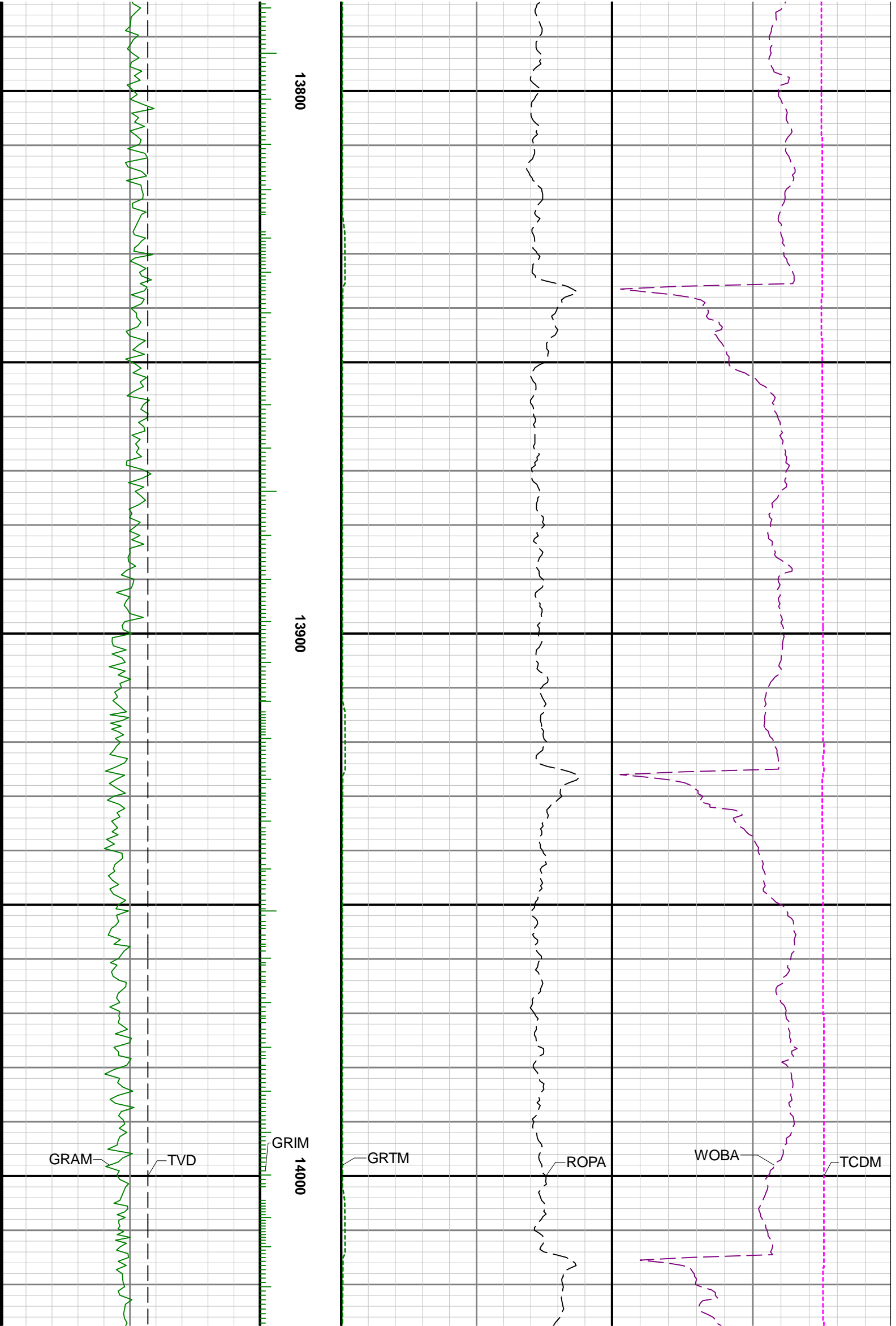


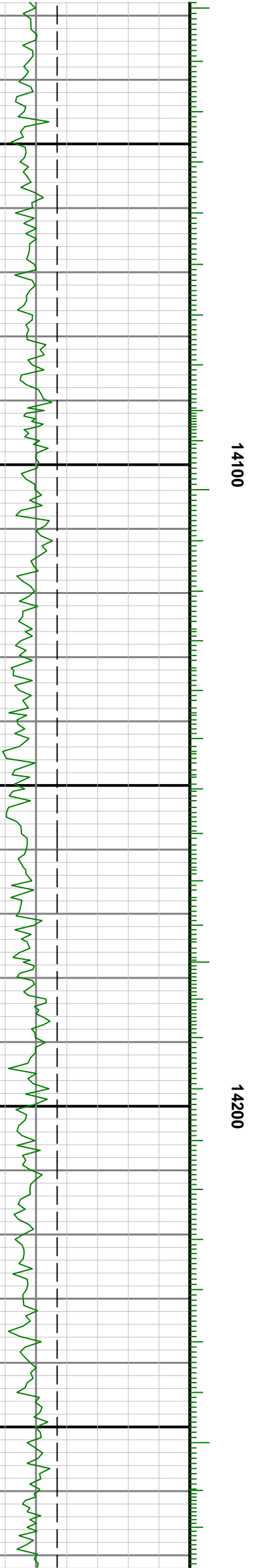
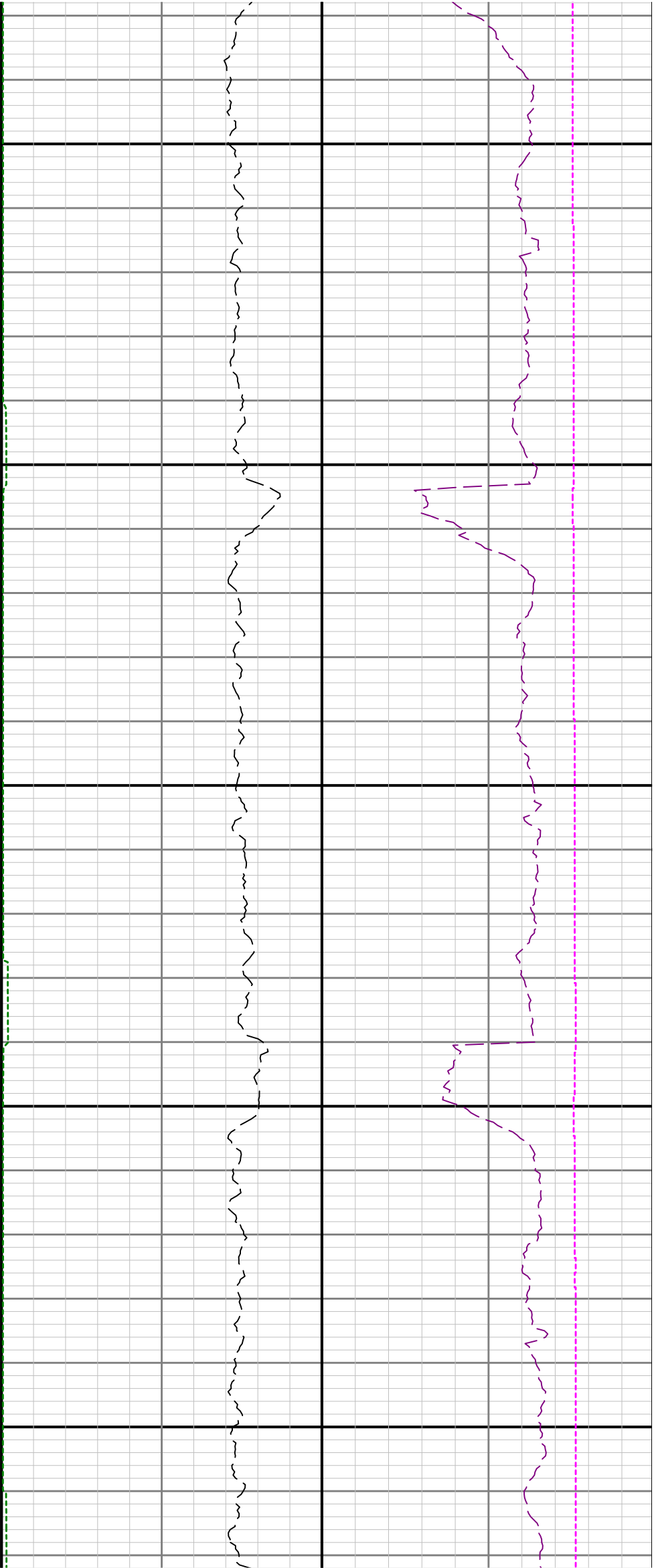


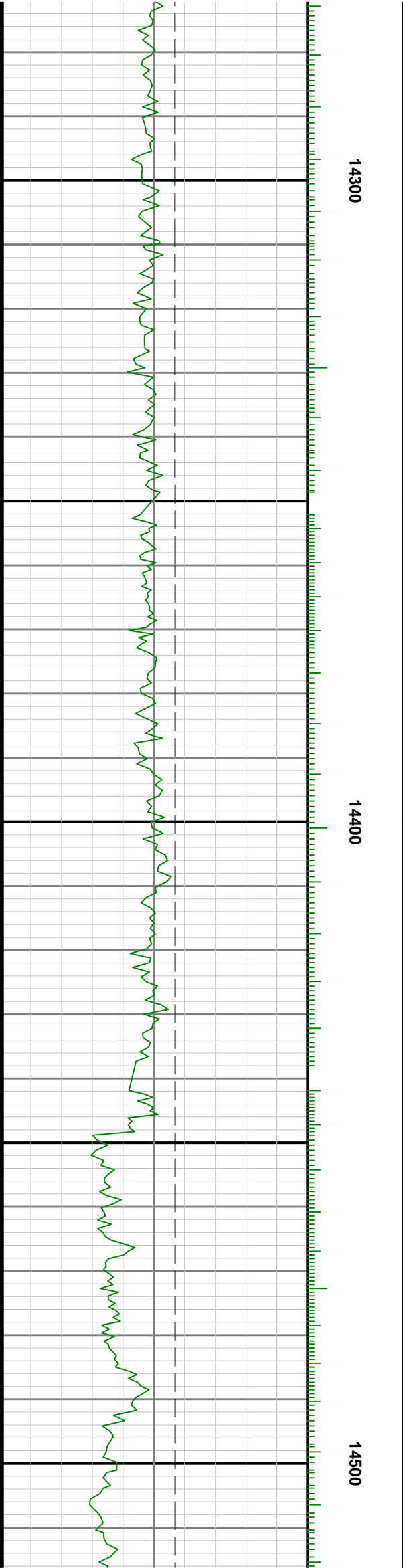
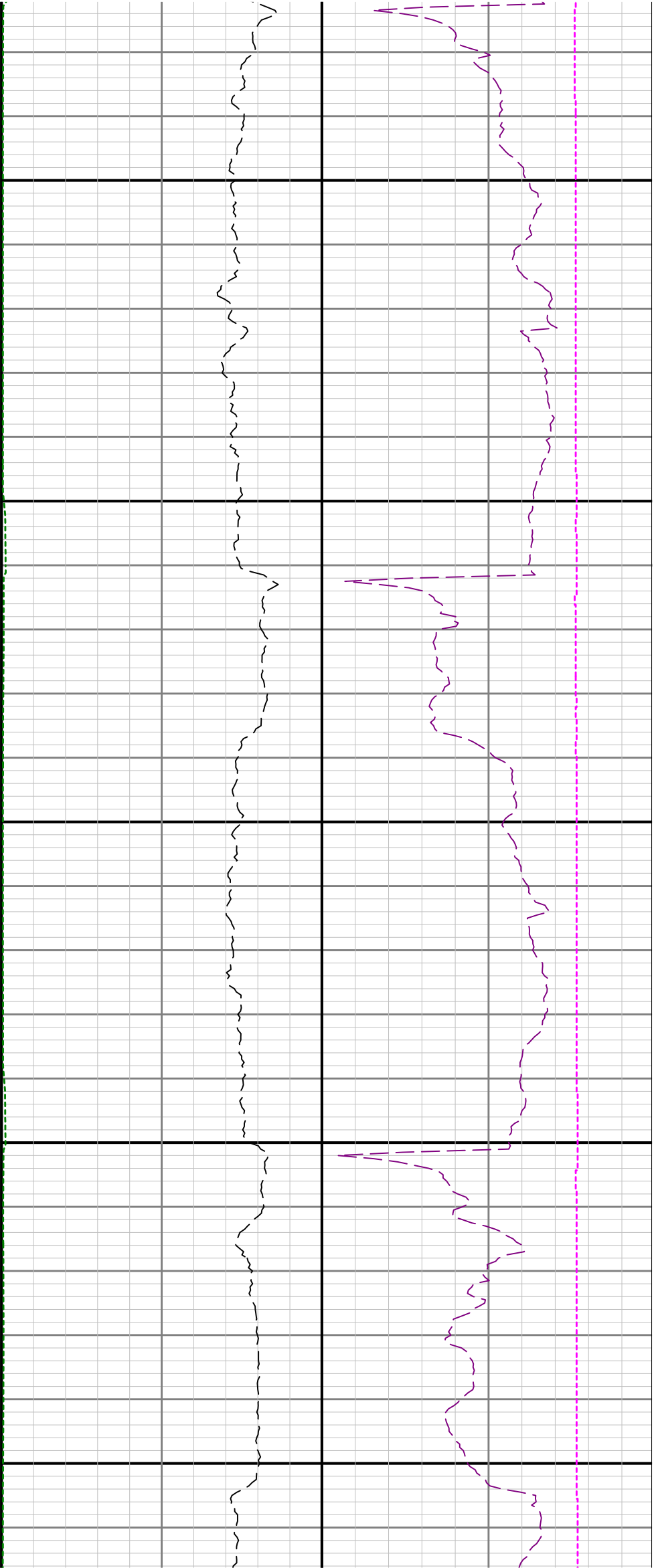
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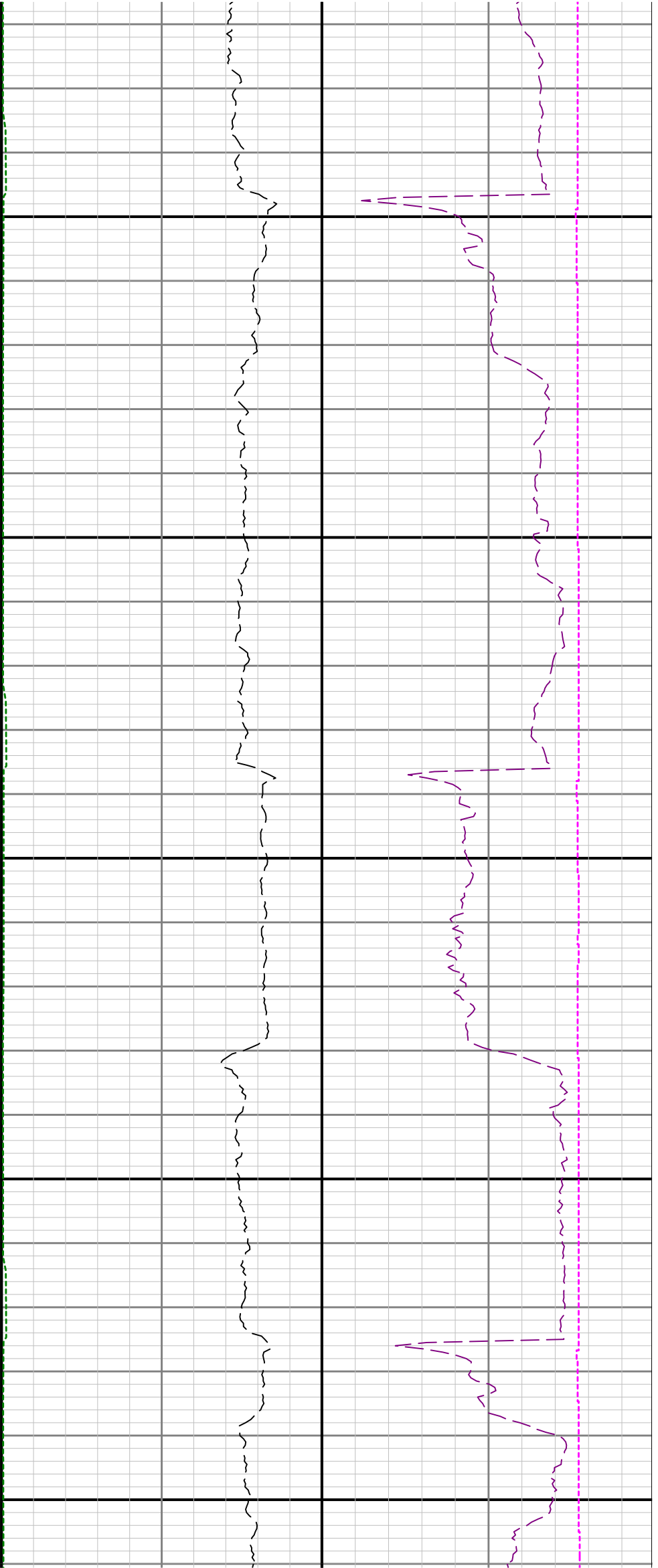
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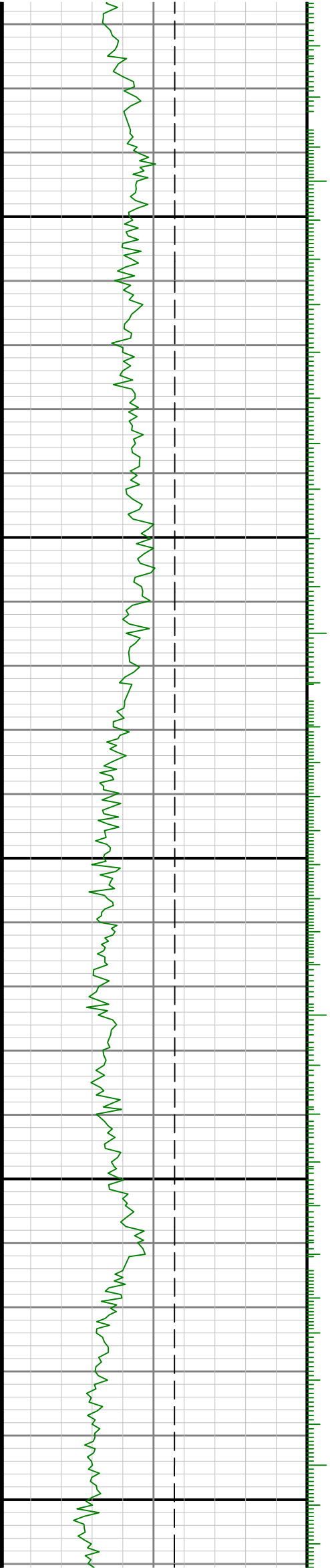


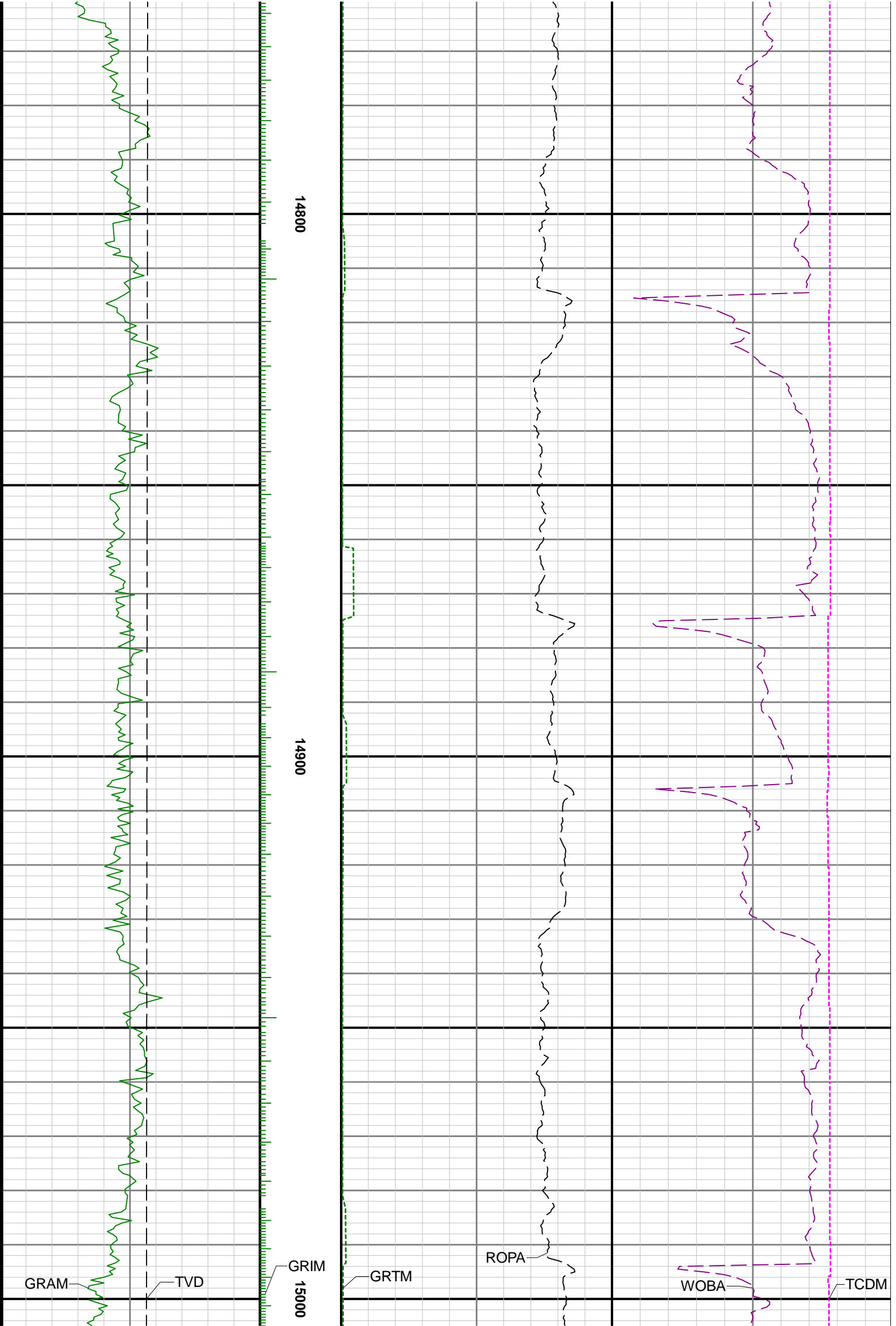




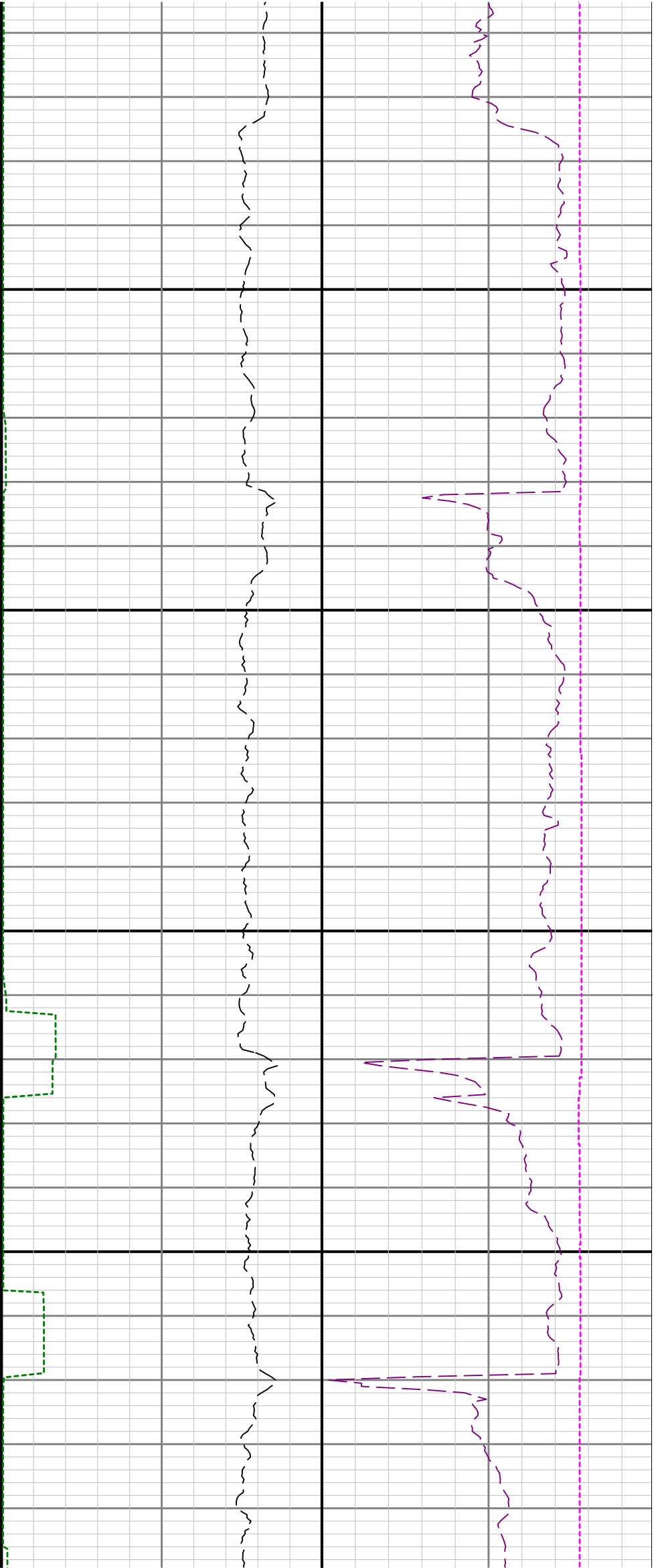
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14700



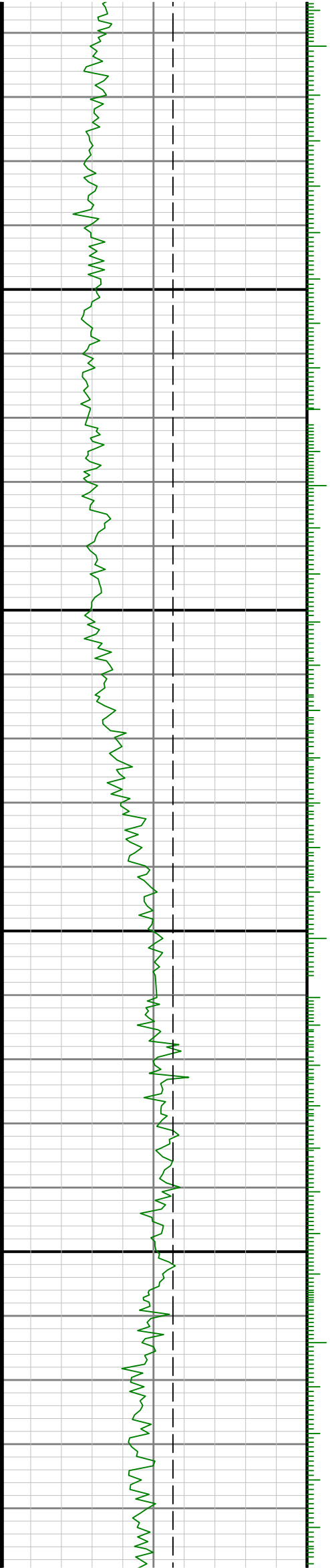






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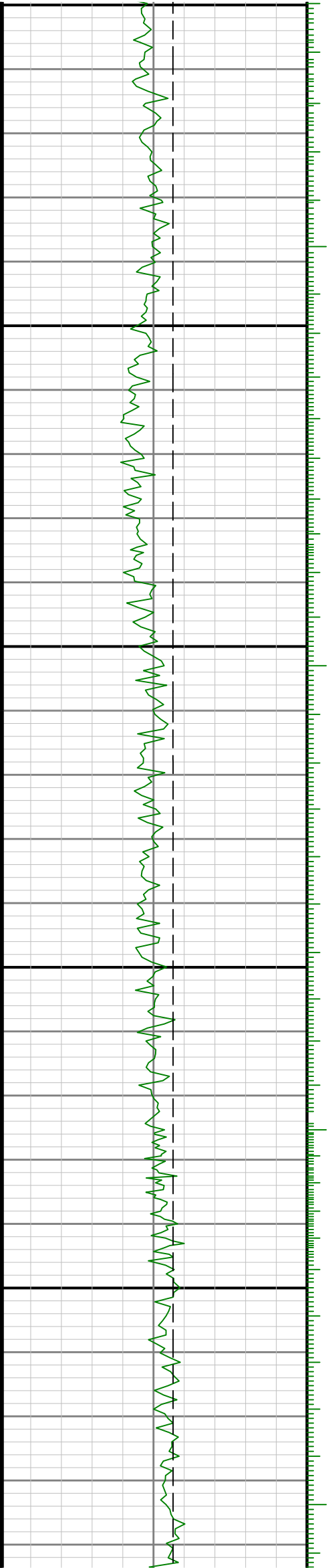
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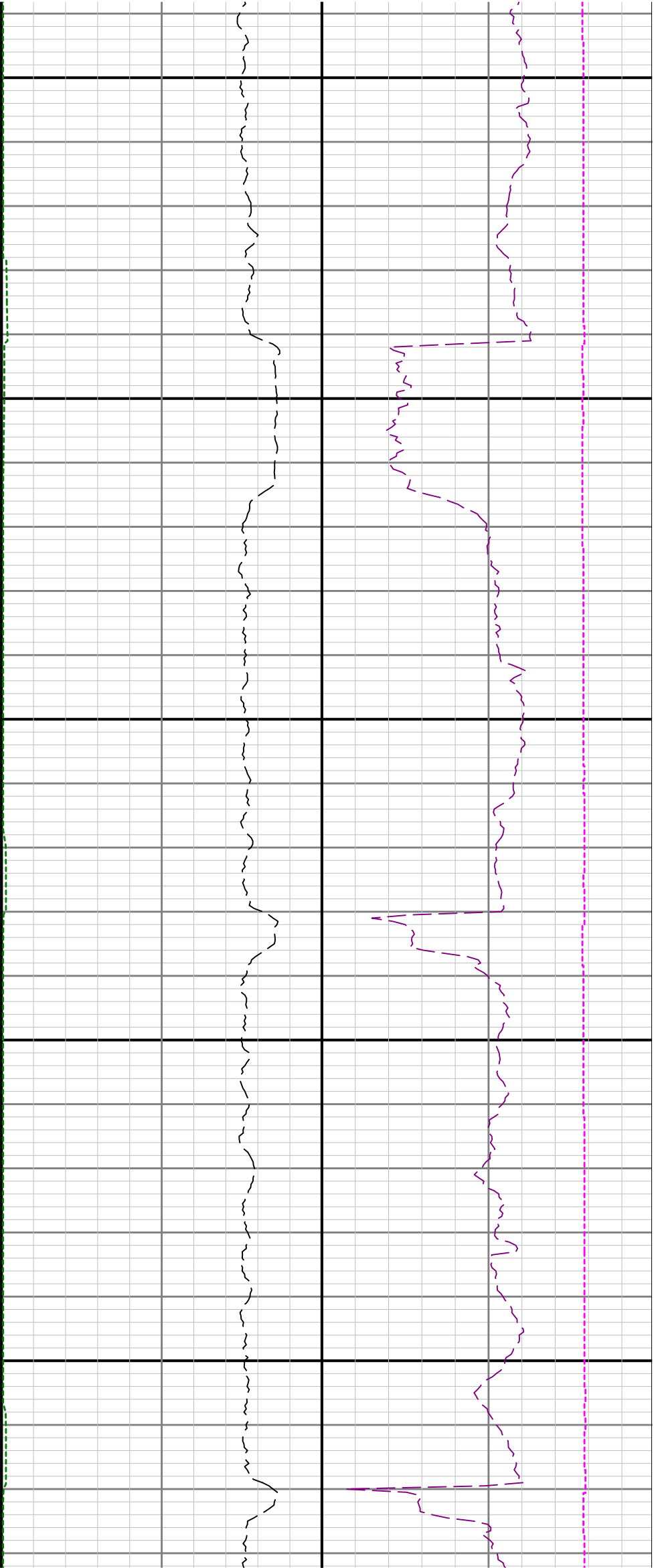


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15400

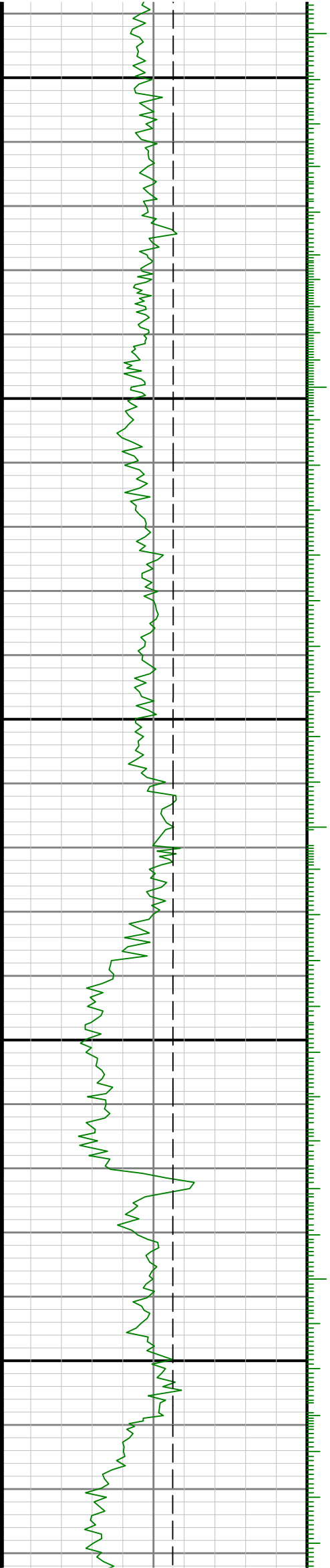


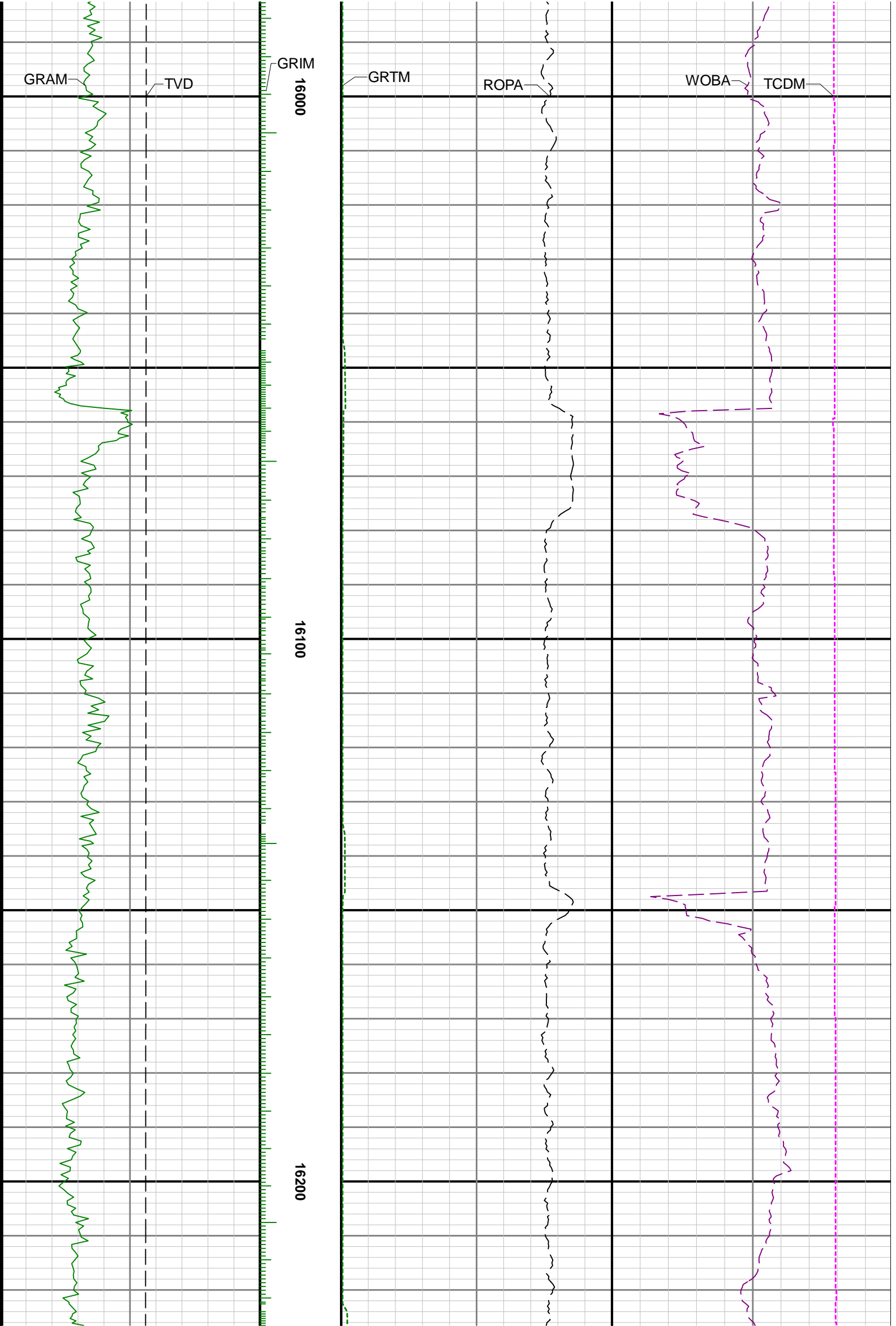


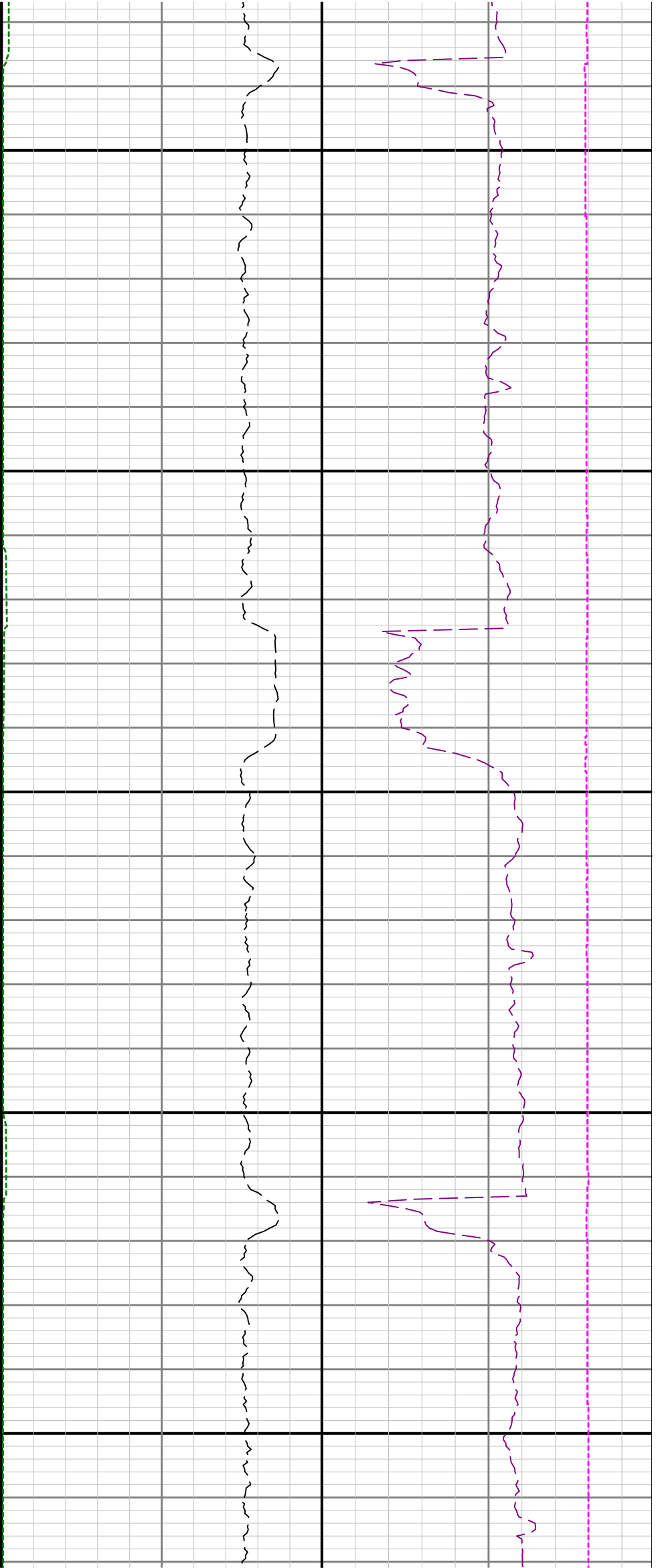


15800

15900







16300

16400

