



1	AutoTrak Curve Steering Unit	14921839	Near Bit VSS	5.93	6.87	7.000	4.330
1	AutoTrak Curve Steering Unit	14921839	Near Bit Inclination	5.93	6.87	7.000	4.330
1	AutoTrak Curve MWD	14334277	Gamma (single)	2.78	13.04	7.000	3.250
1	AutoTrak Curve MWD	14334277	Directional (mag)	12.27	22.53	7.000	3.250

## Service and Tool Mnemonics

Mnemonic	Name	Description
ATC SU	AutoTrak Curve SU	Auto Trak Curve Steering Unit
ATC MWD	AutoTrak Curve MWD	Auto Trak Curve MWD
ATC LCPM	AutoTrak Curve LCPM	Auto Trak Curve LCPM
BCPM	BCPM	Bi-Directional Communication and Power Module, OnTrak Platform

## Comments

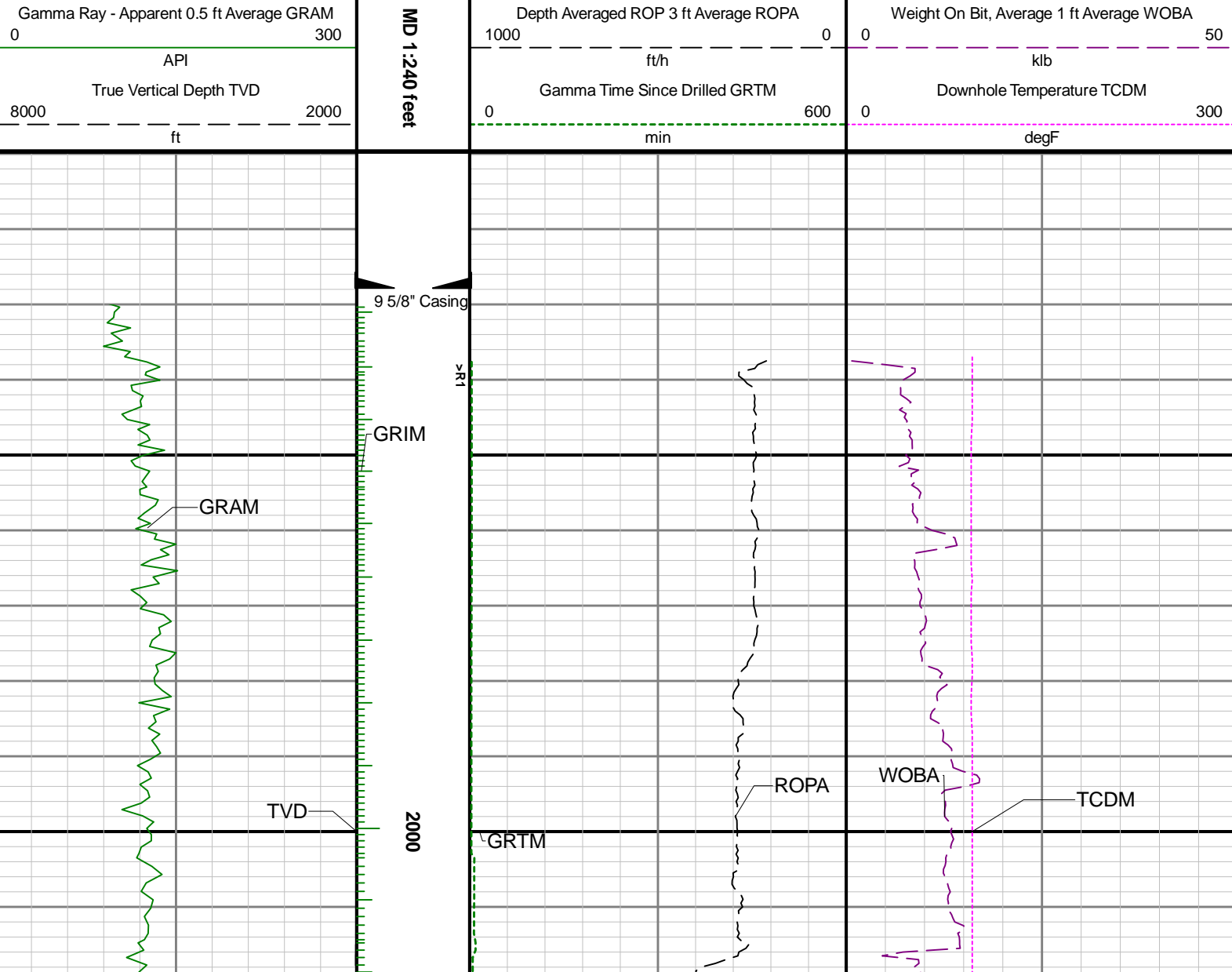
- 1 Depth measurements were obtained from a depth control system not supplied or operated by Baker Hughes. Due to lack of control by Baker Hughes logging engineers, depth calibrations and measurements could not be independently verified.
- 2 Baker Hughes LWD Run 1 utilized 6 3/4 inch NaviGamma service (Gamma Ray and Directional) behind a 8 1/2 inch bit and rotary steerable assembly from 1938 to 17038 feet MD (1938 to 6689 feet TVD).
- 3 The Gamma Ray Apparent (GRAM) data is presented 0 to 300 API, per the customer's request.
- 4 Several gaps appear in the log due to drilling ahead before the assembly had time to properly power on.

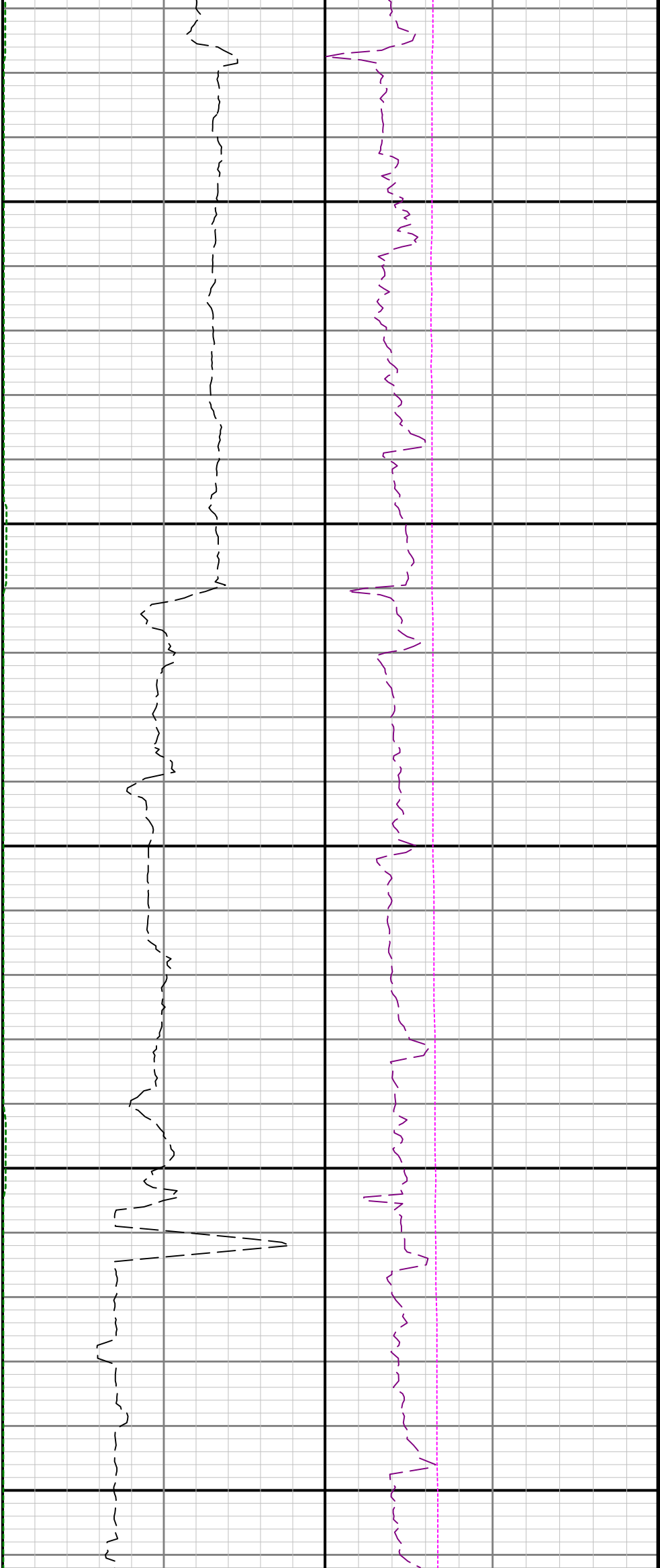
## Remarks

Number	Depth  (ft)	Hole Section (in)	Run No.	Remark
1	17025.00	8.500	1	The interval from 17025 to 17038 feet MD (6689 feet TVD) was not logged due to sensor to bit offset at well TD.

## Curve Mnemonics

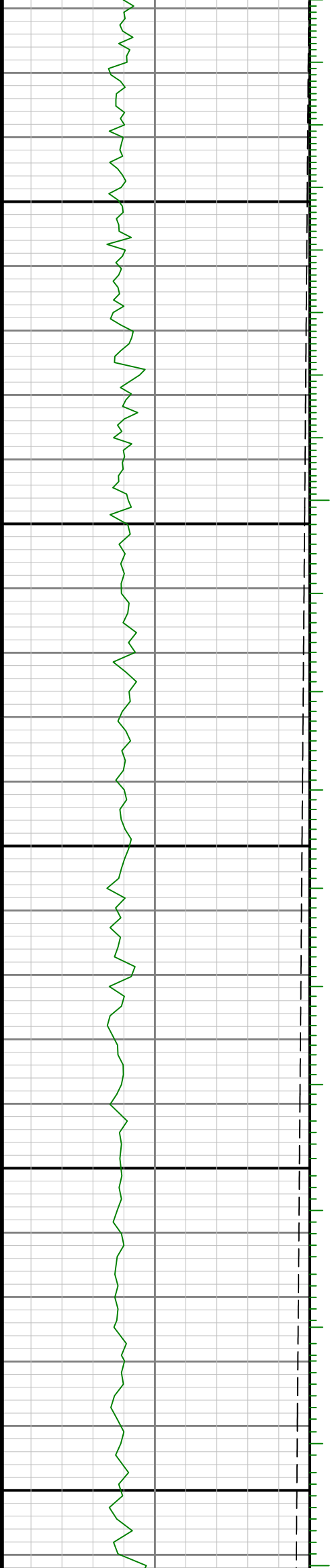
Presented Curves	Description	Units
ROPA	Depth Averaged ROP 3 ft Average	ft/h
TVD	True Vertical Depth	ft
WOBA	Weight on Bit - Average 1 ft Average	klb
GRAM	Gamma Ray - Apparent - Memory 0.5 ft Average	API
GRIM	Gamma Ray - Data Point Indicator - Memory	unitless
GRTM	Gamma Ray - Time Since Drilled - Memory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

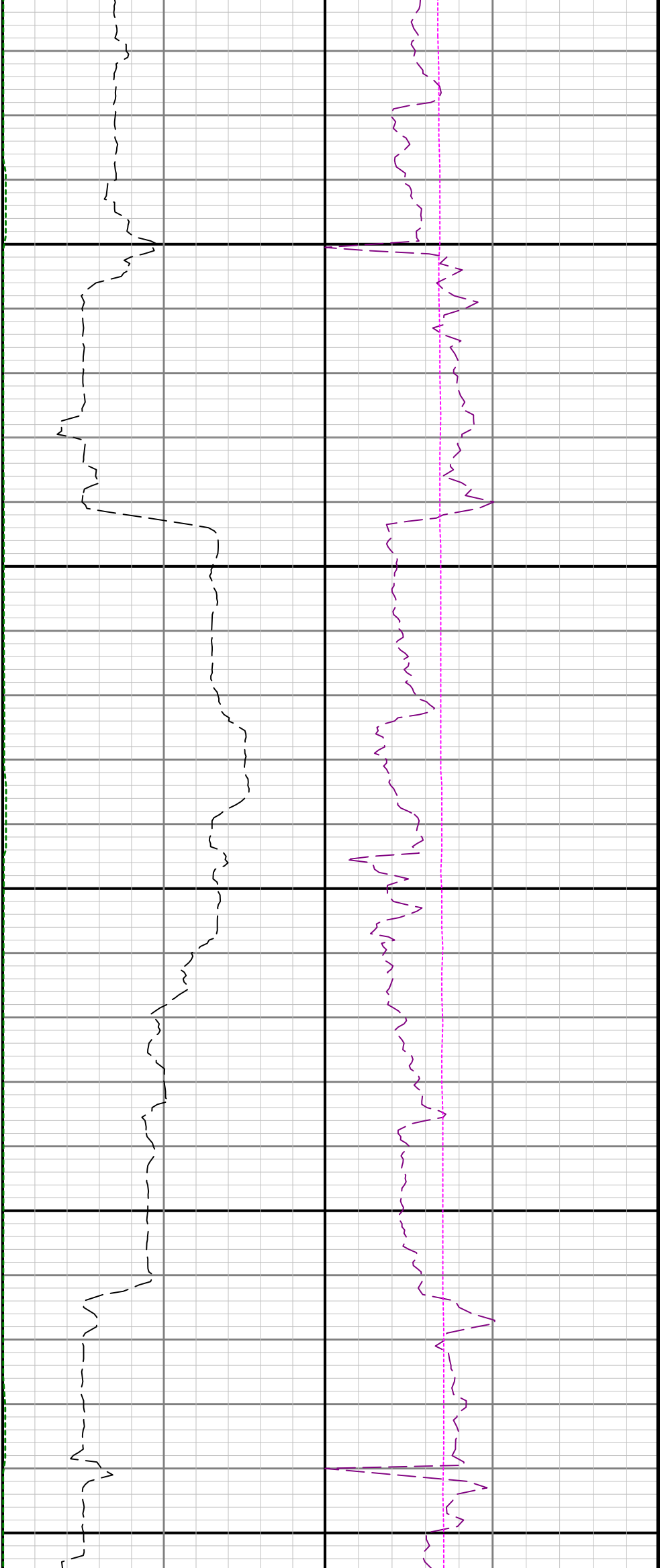




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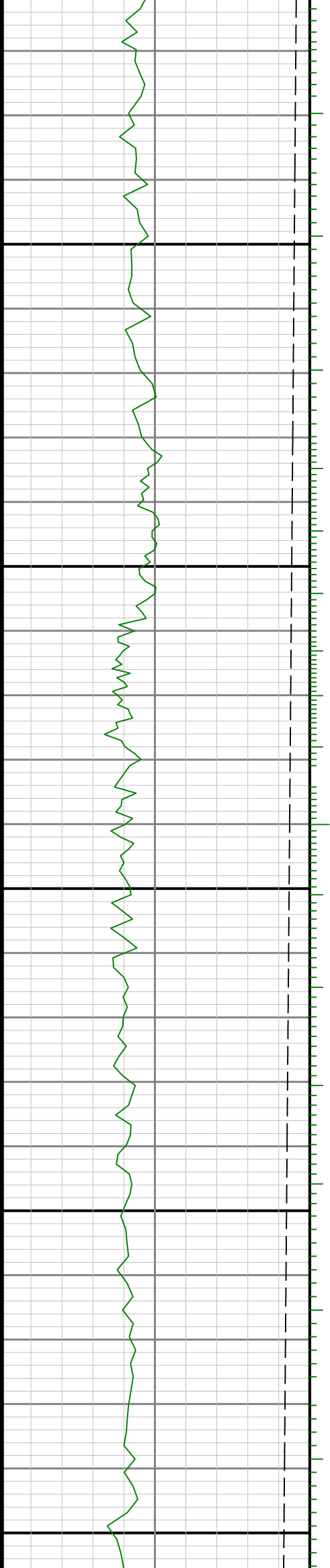




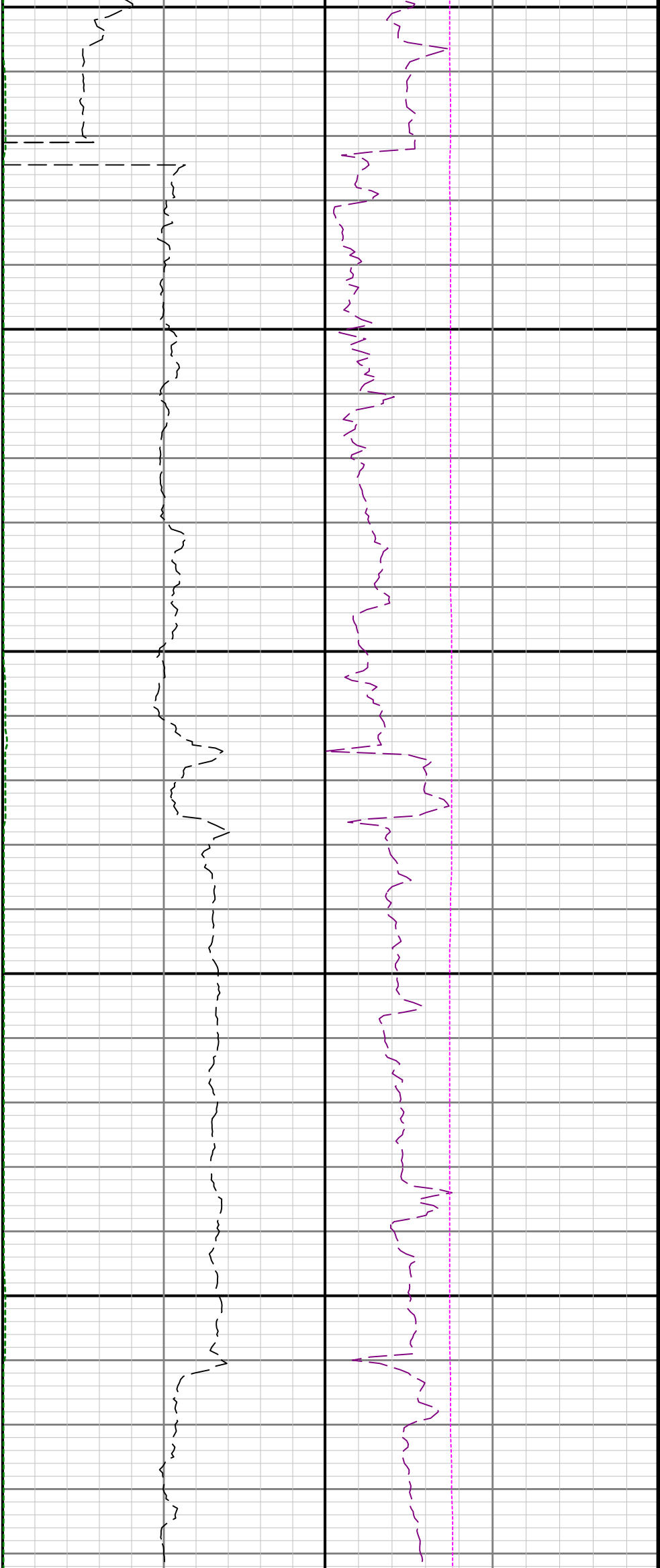
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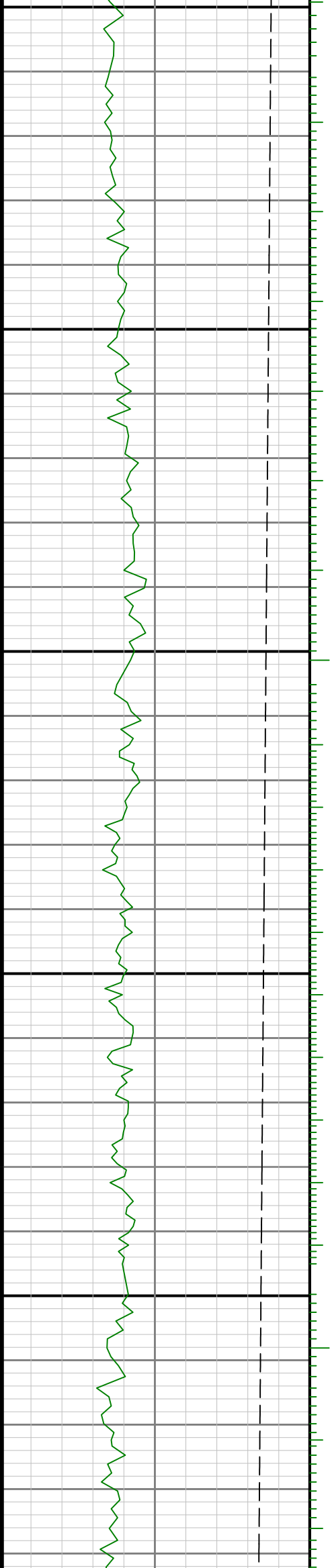


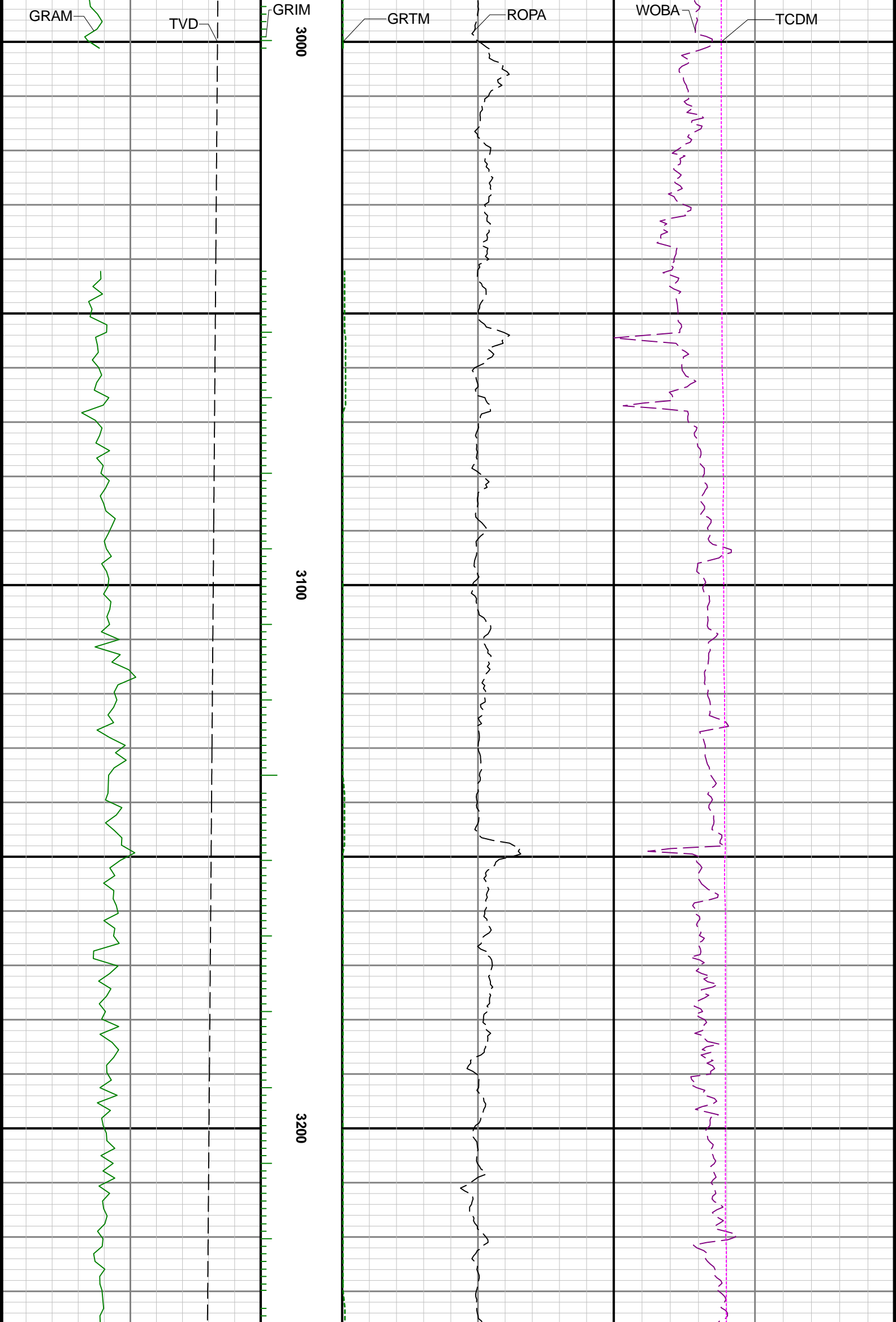


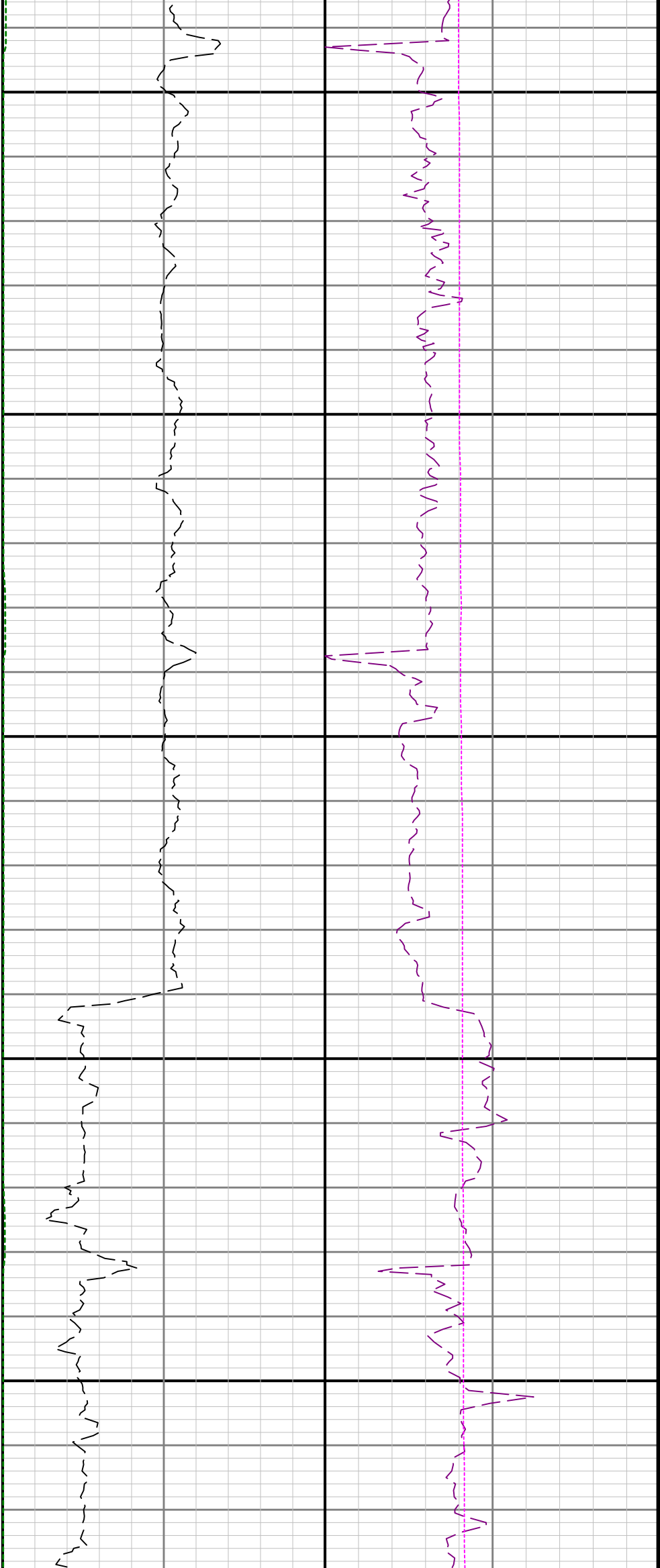


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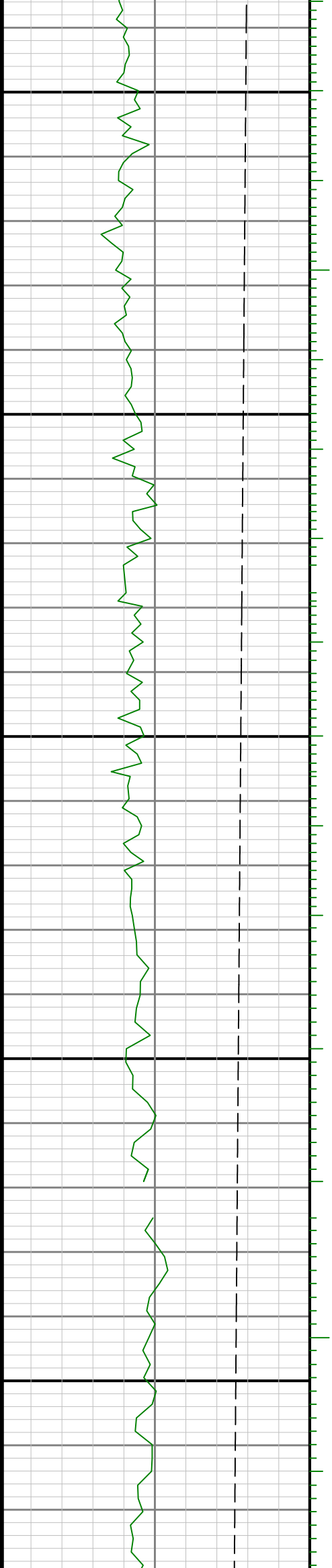




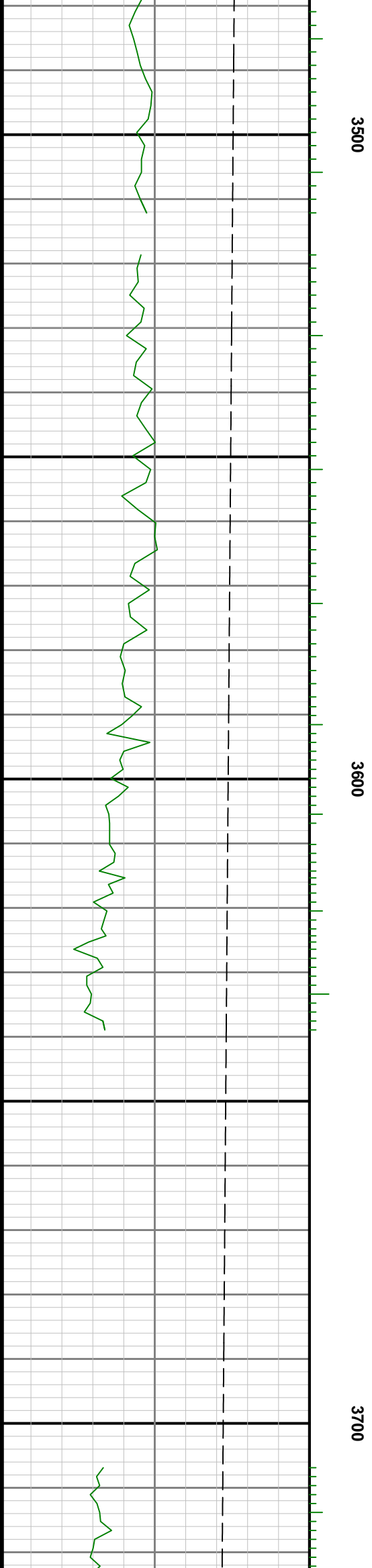
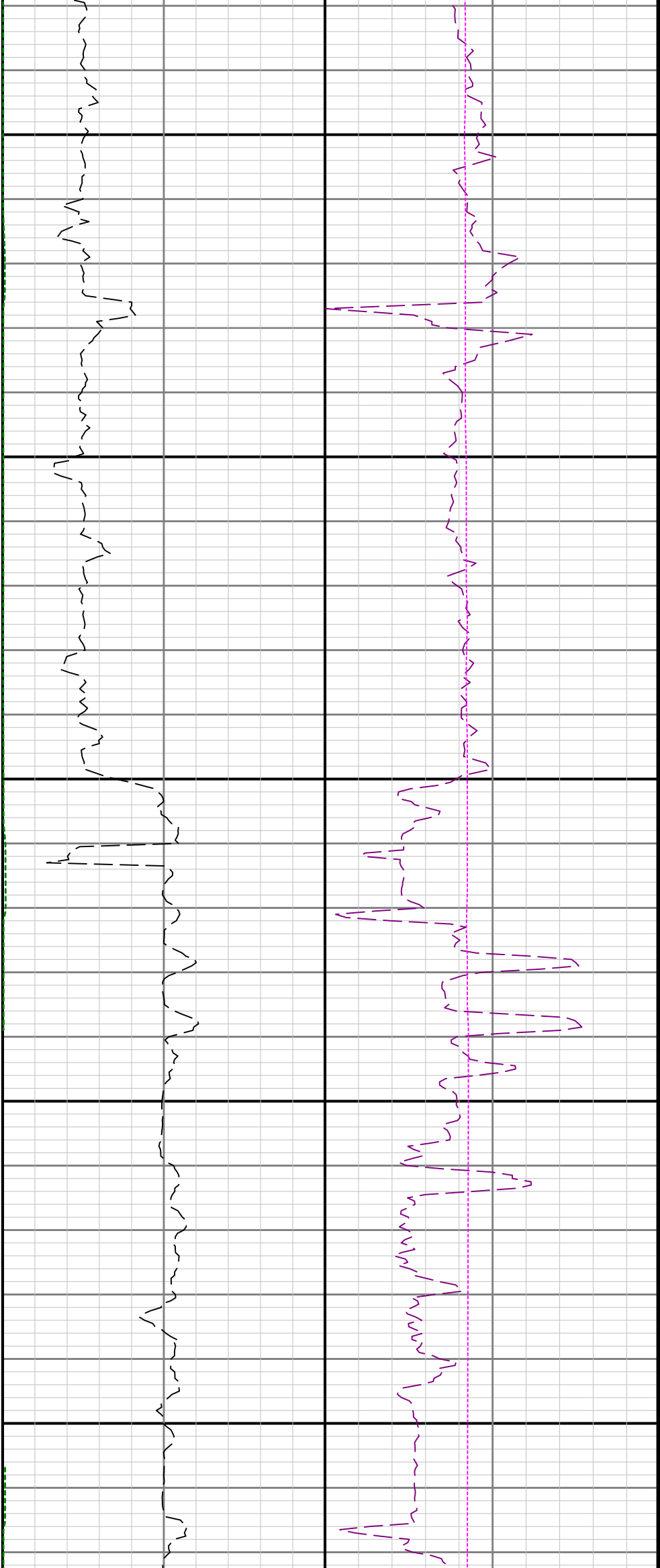


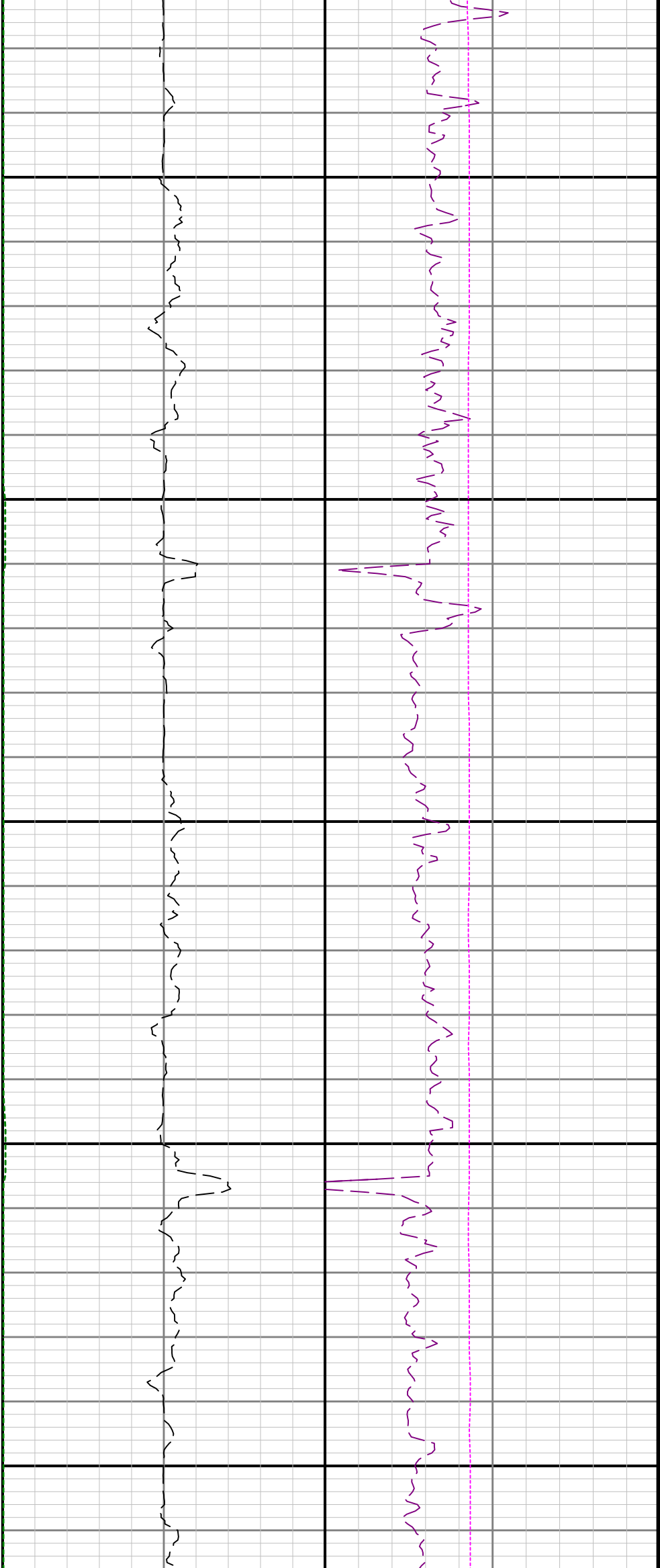
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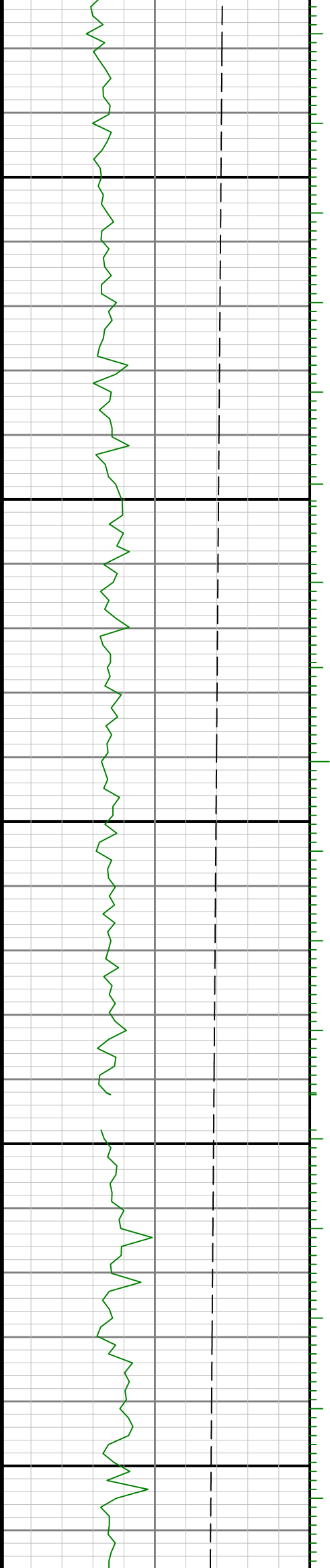


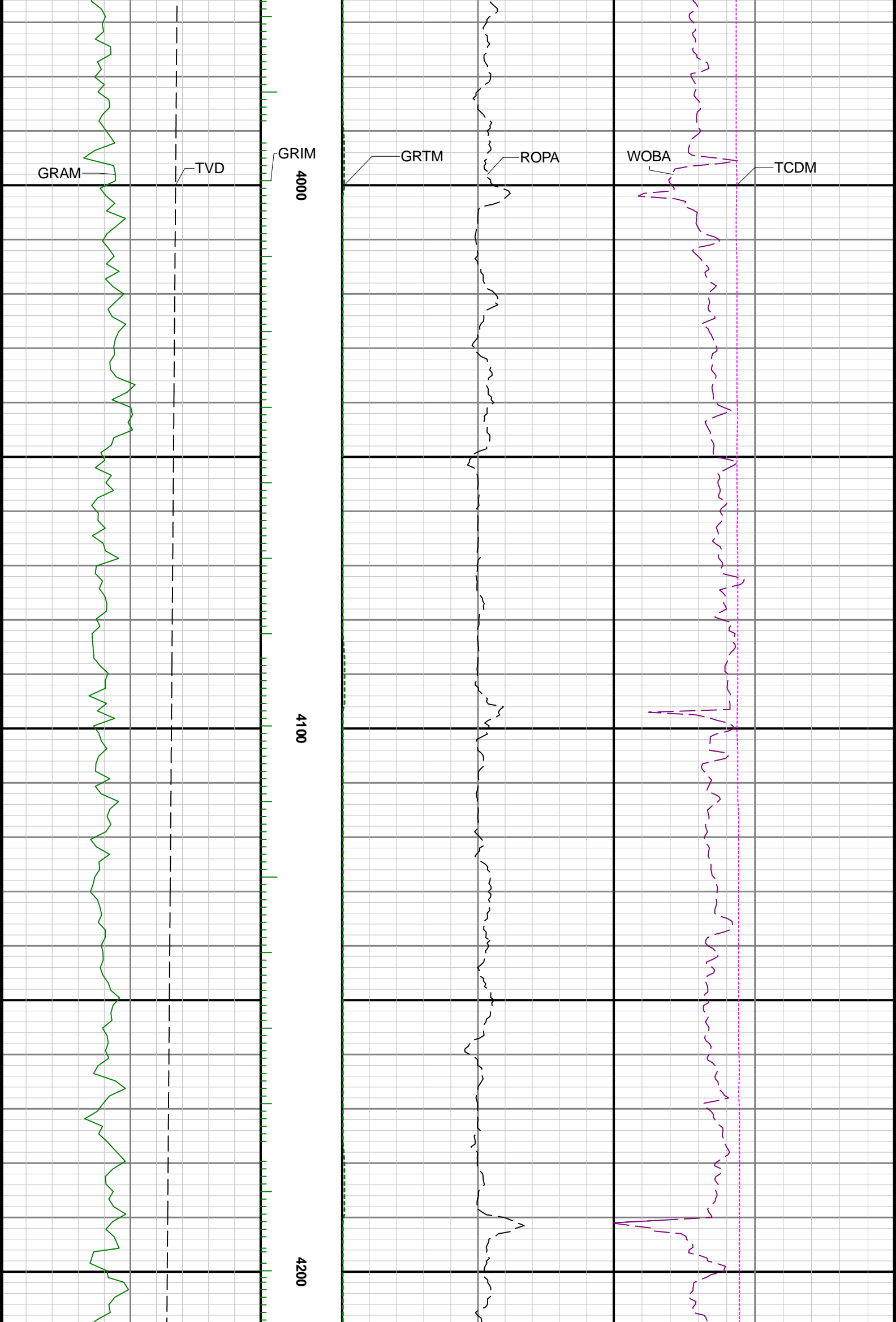


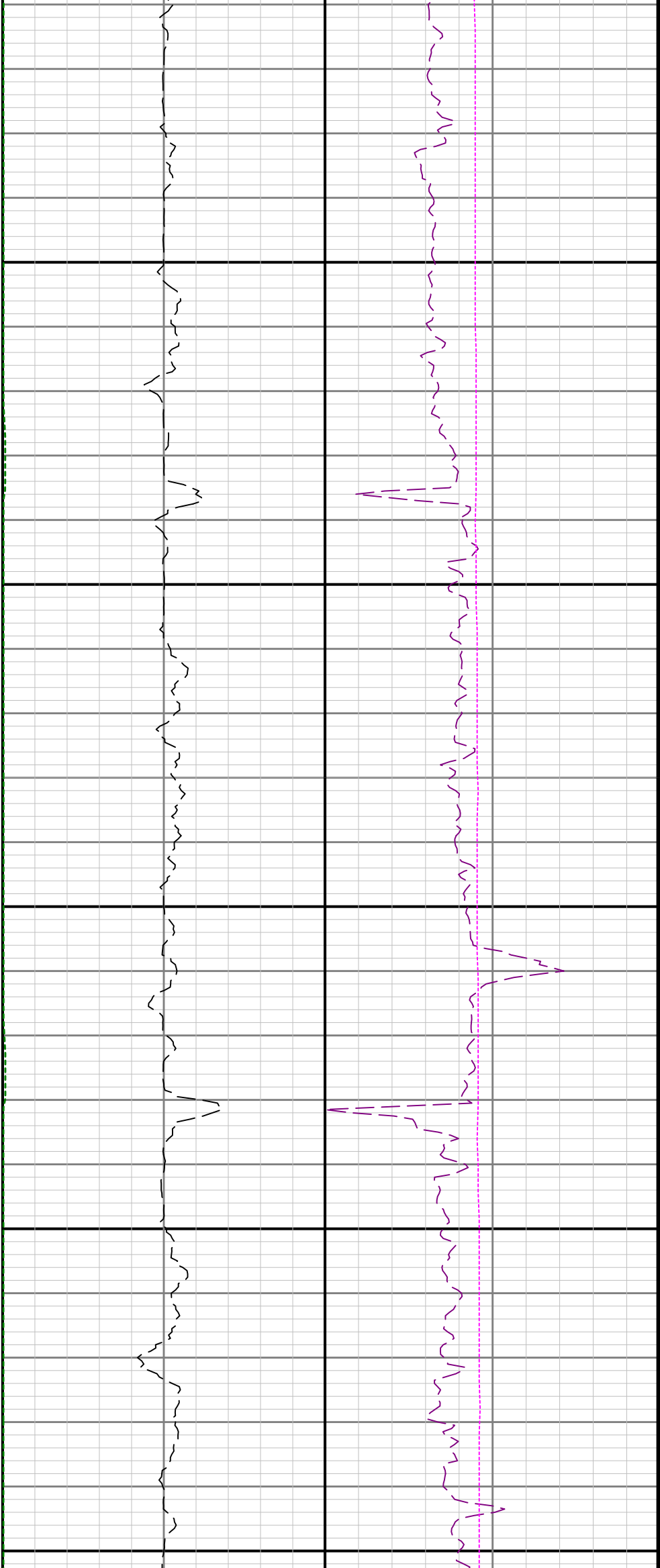


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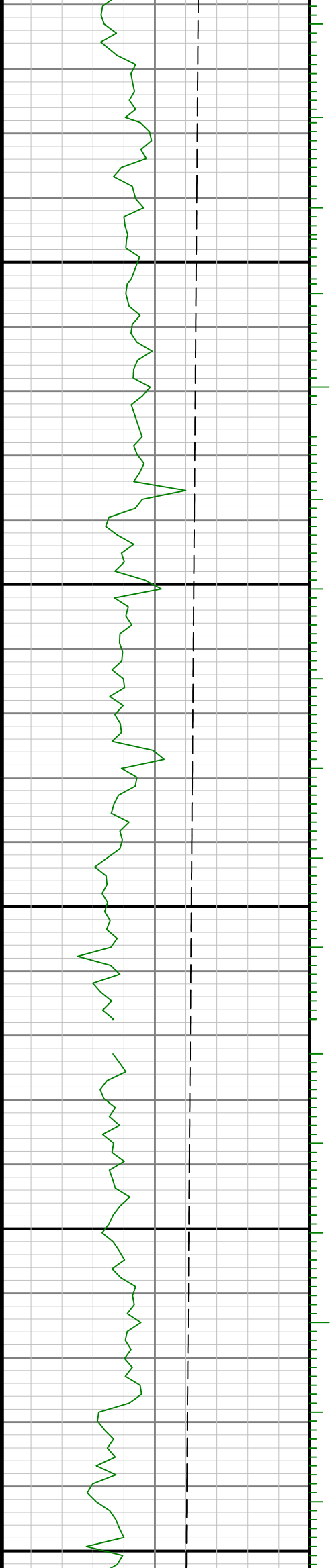


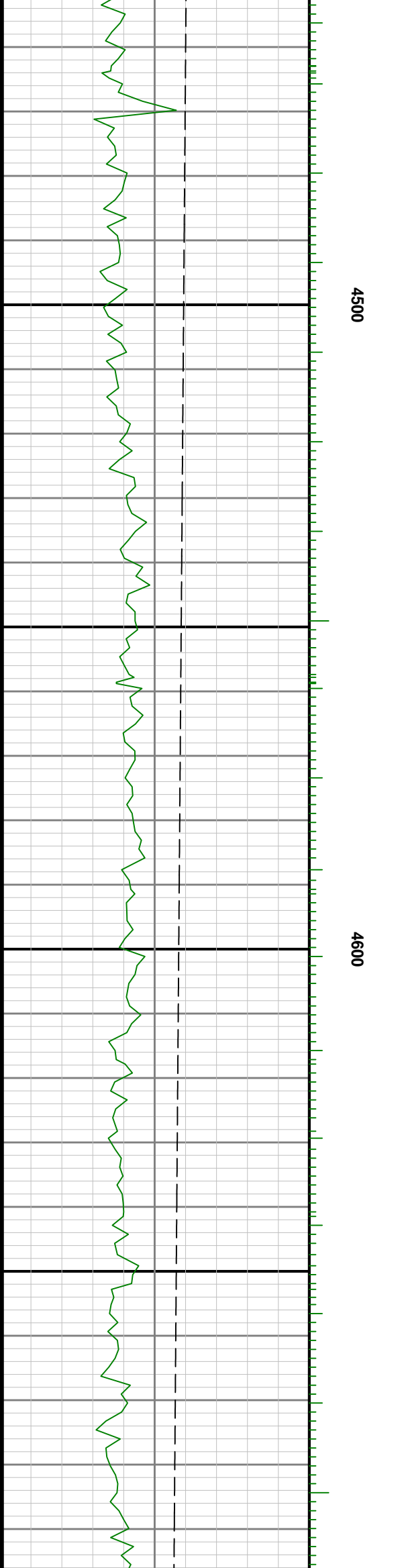


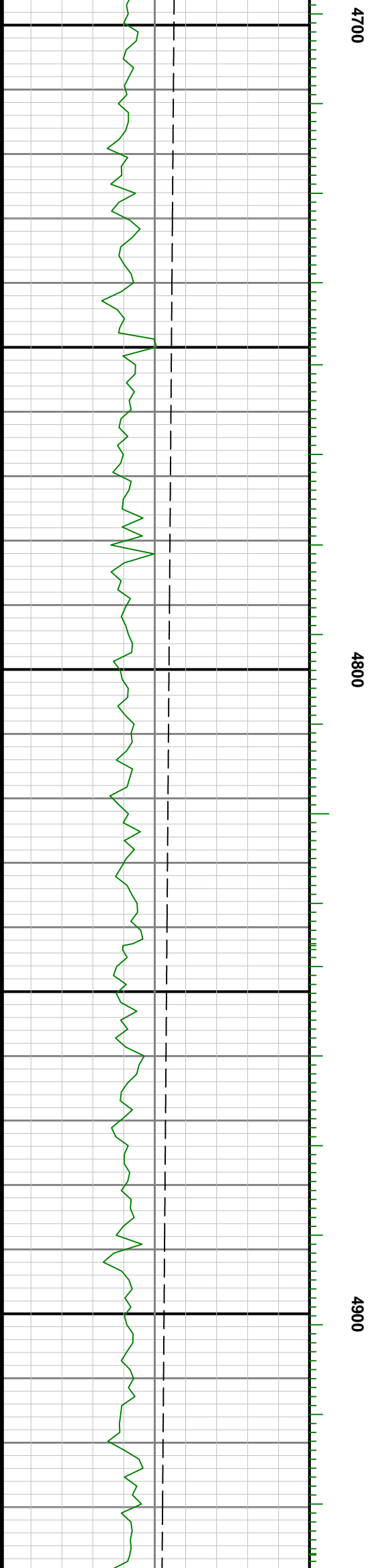
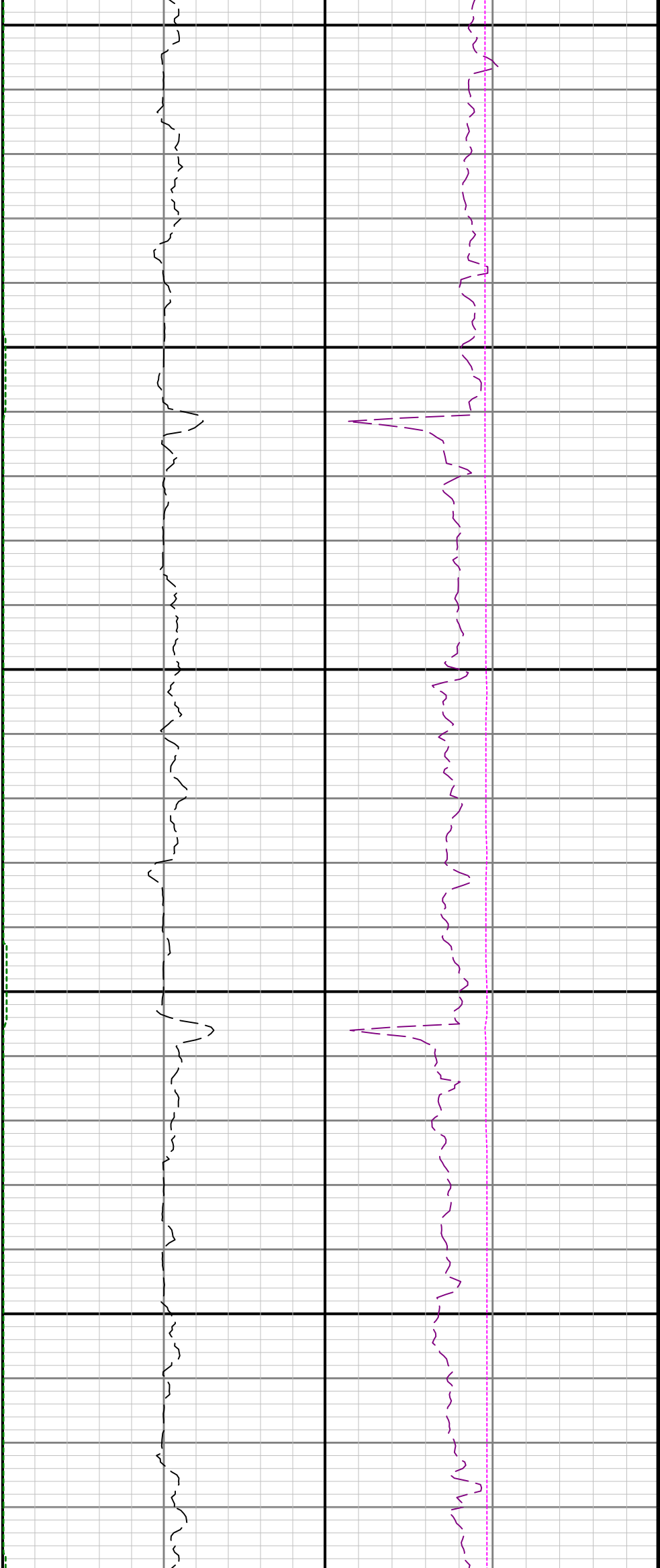


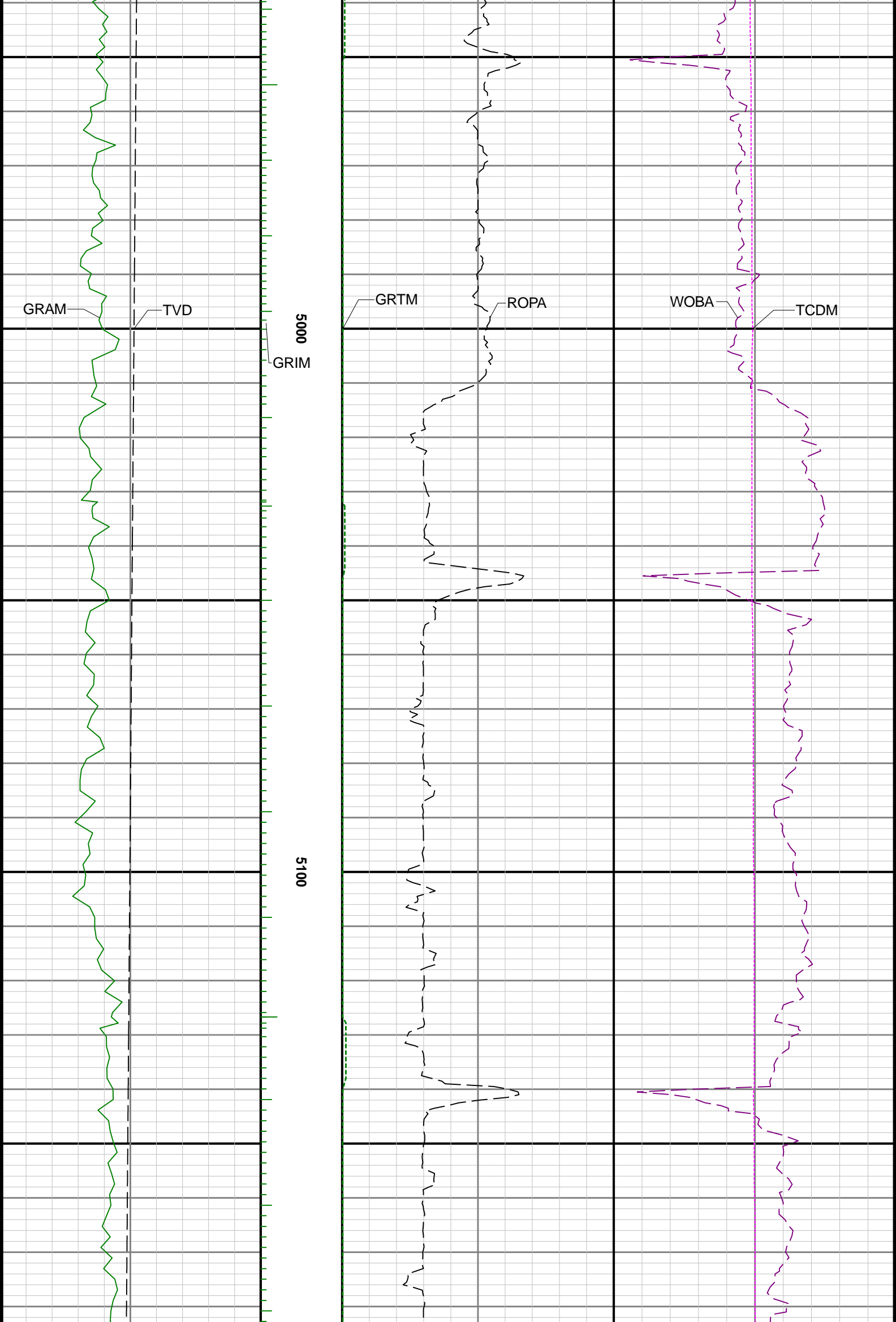
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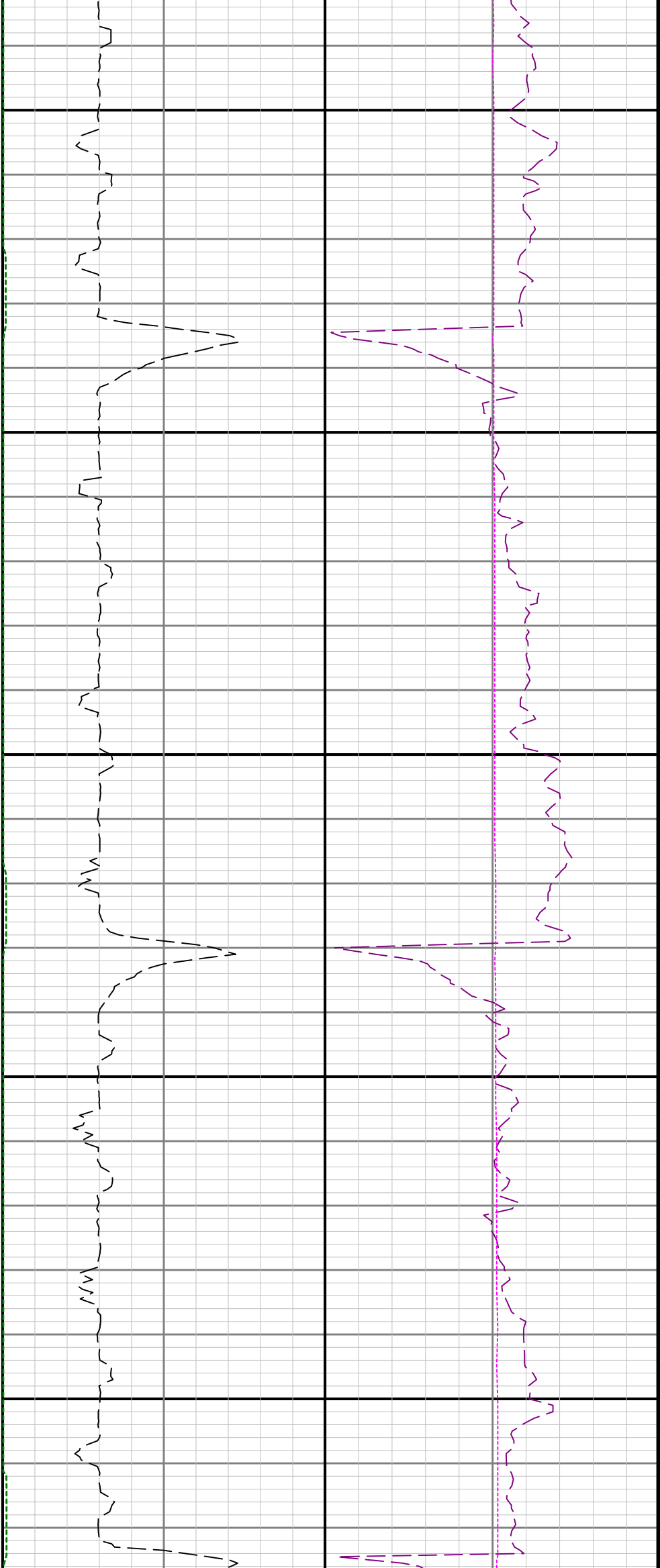
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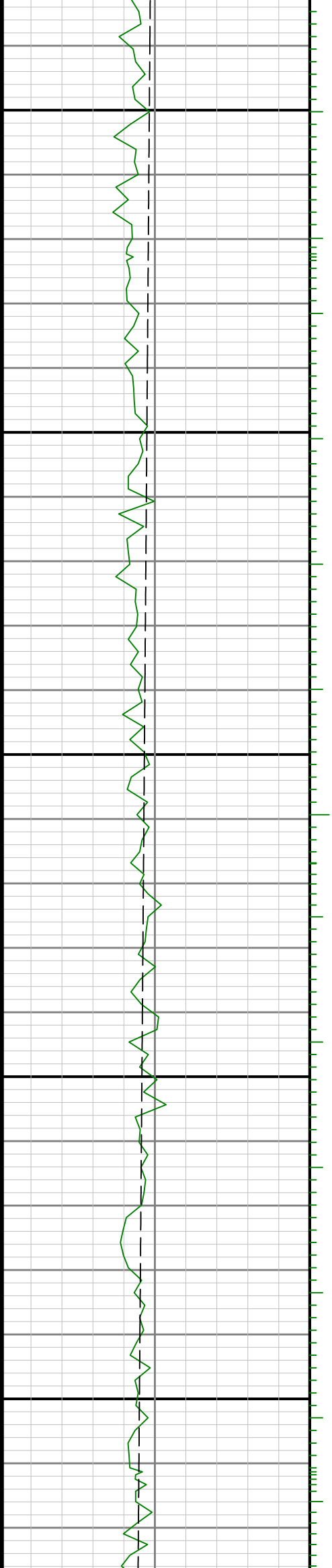




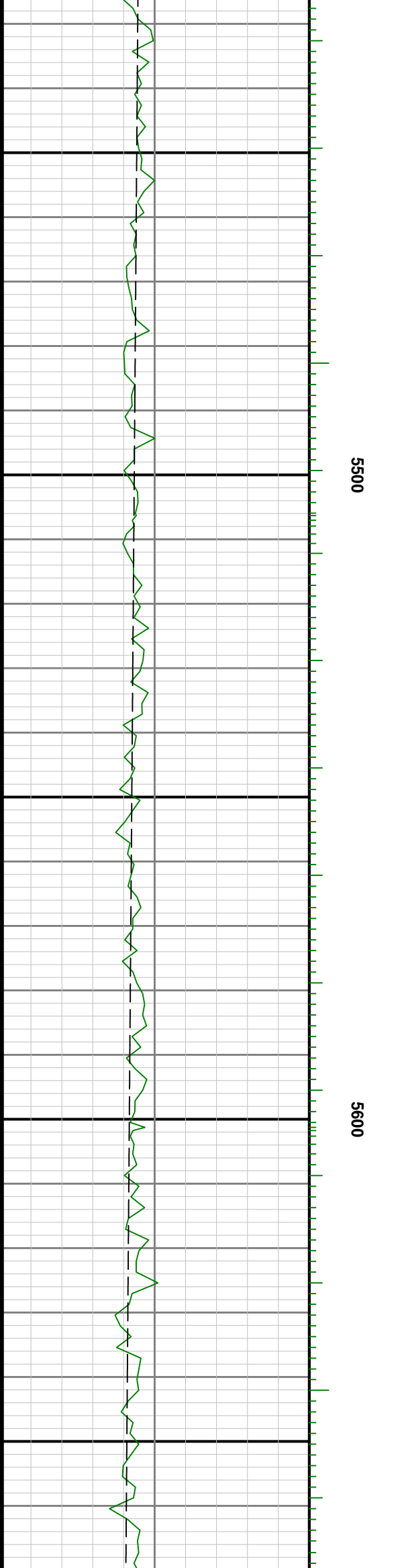
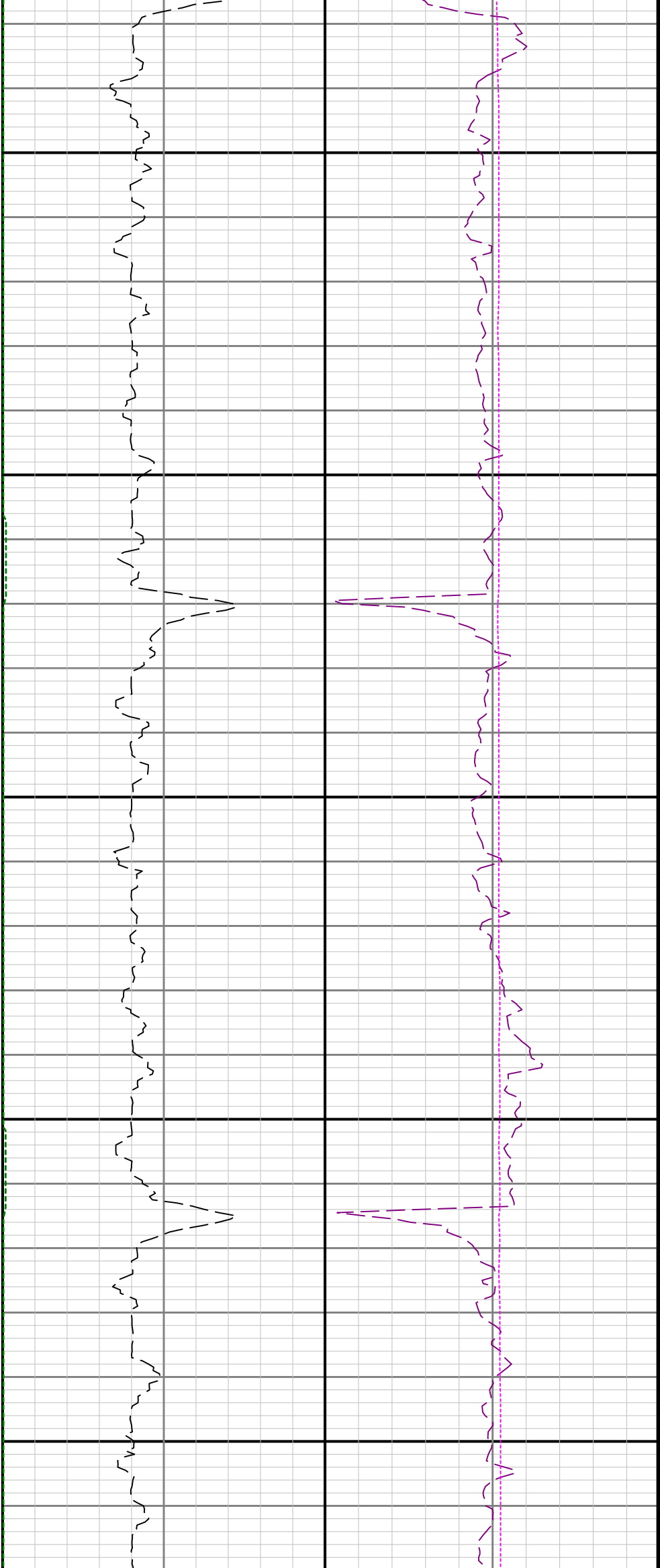
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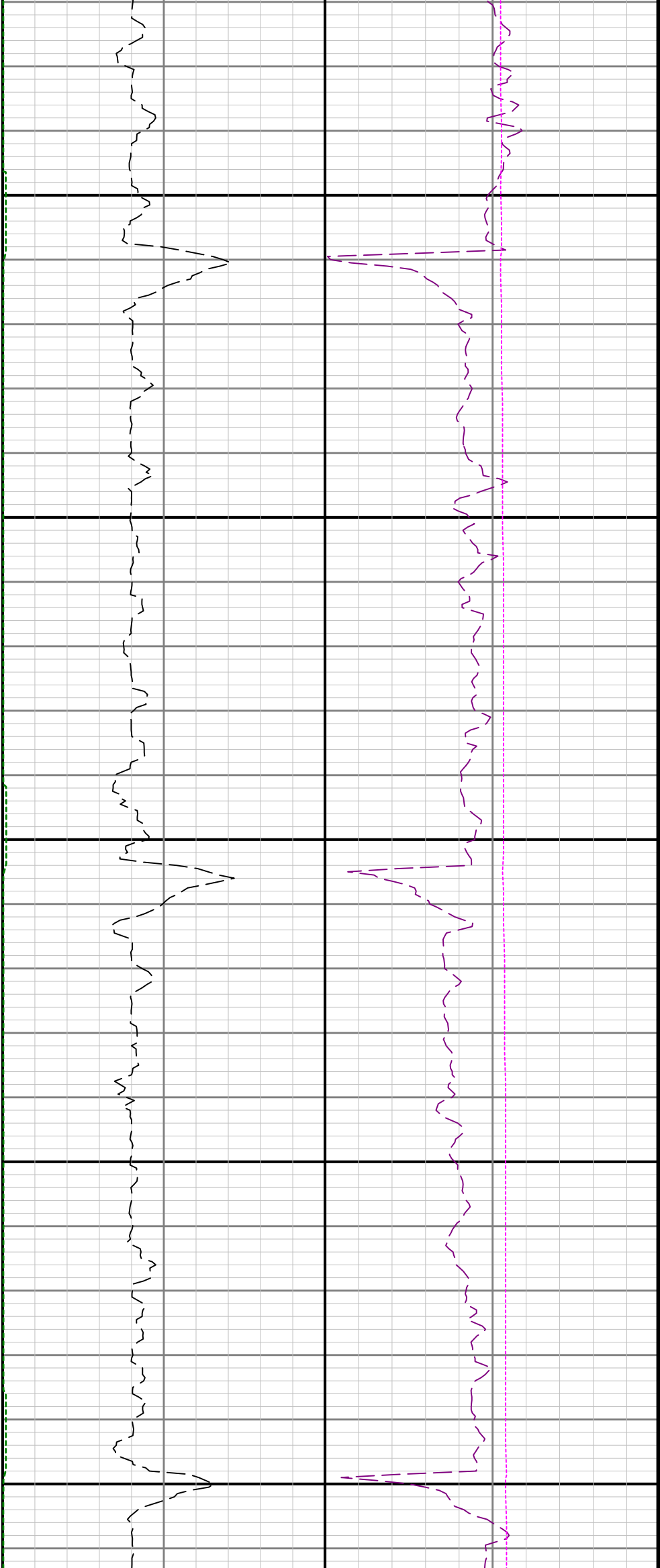
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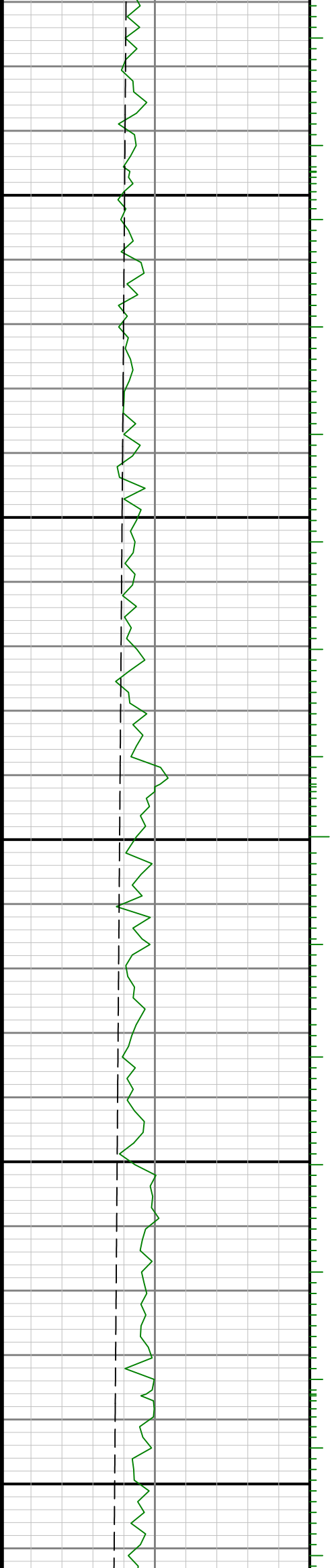


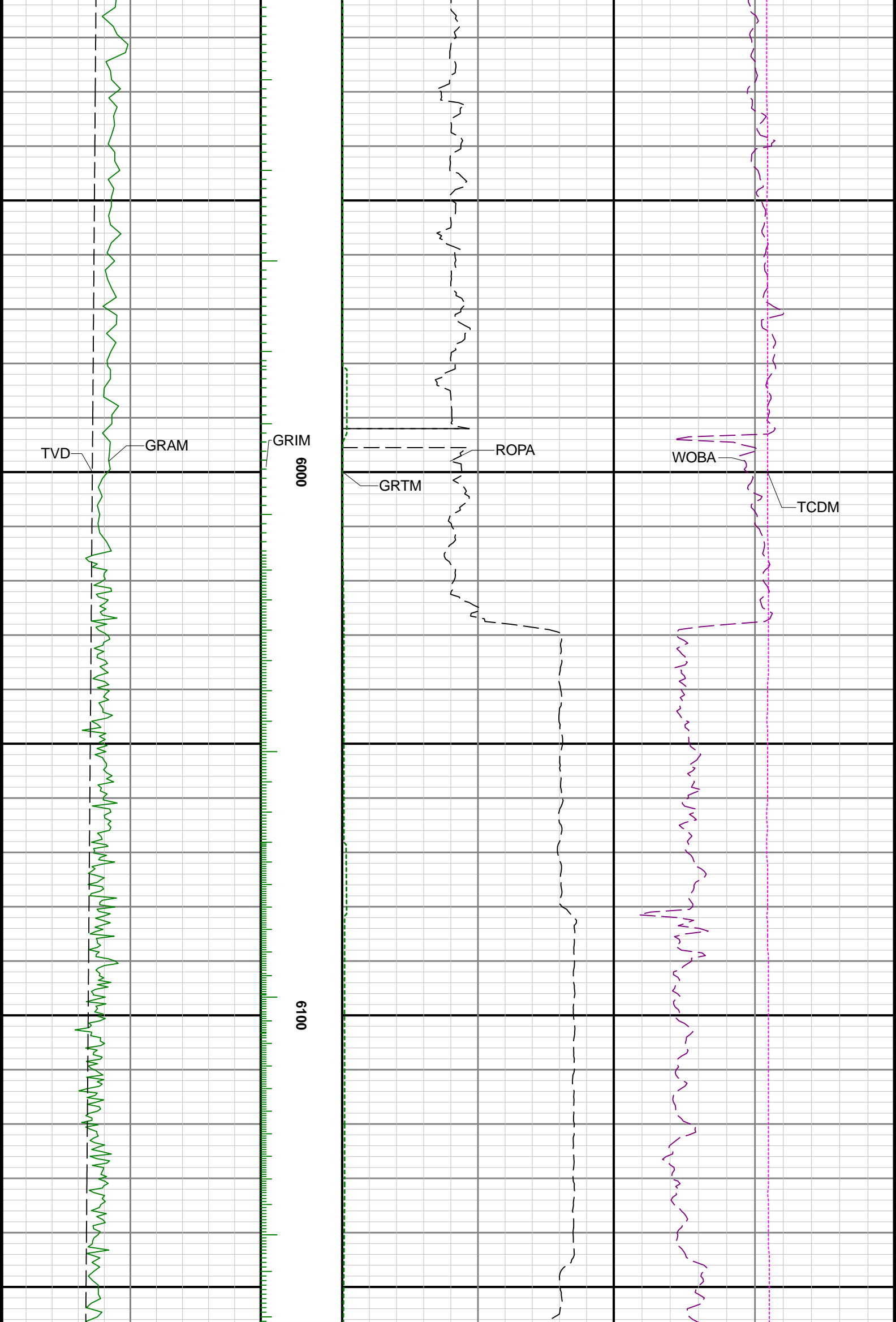


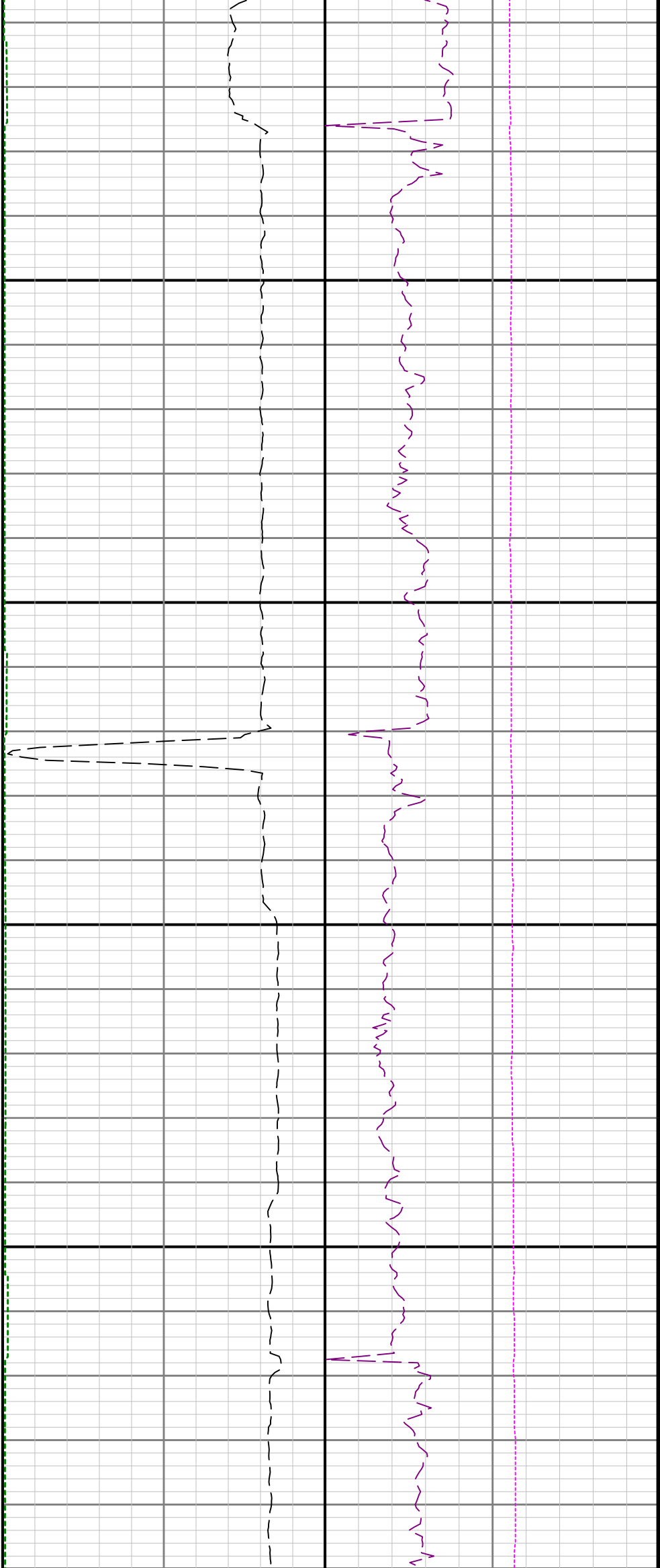
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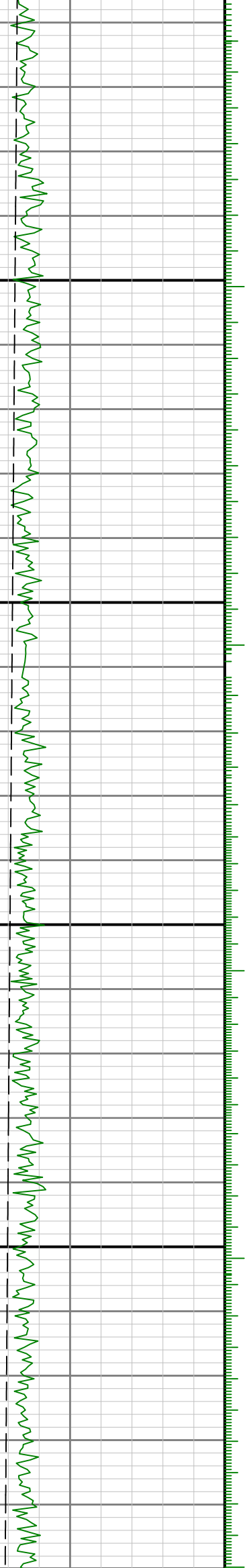


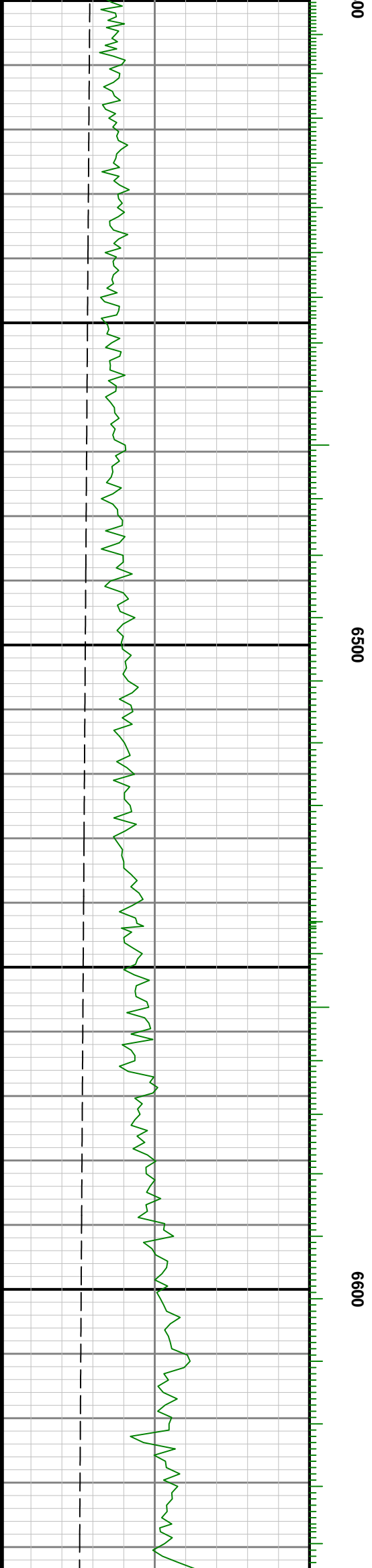
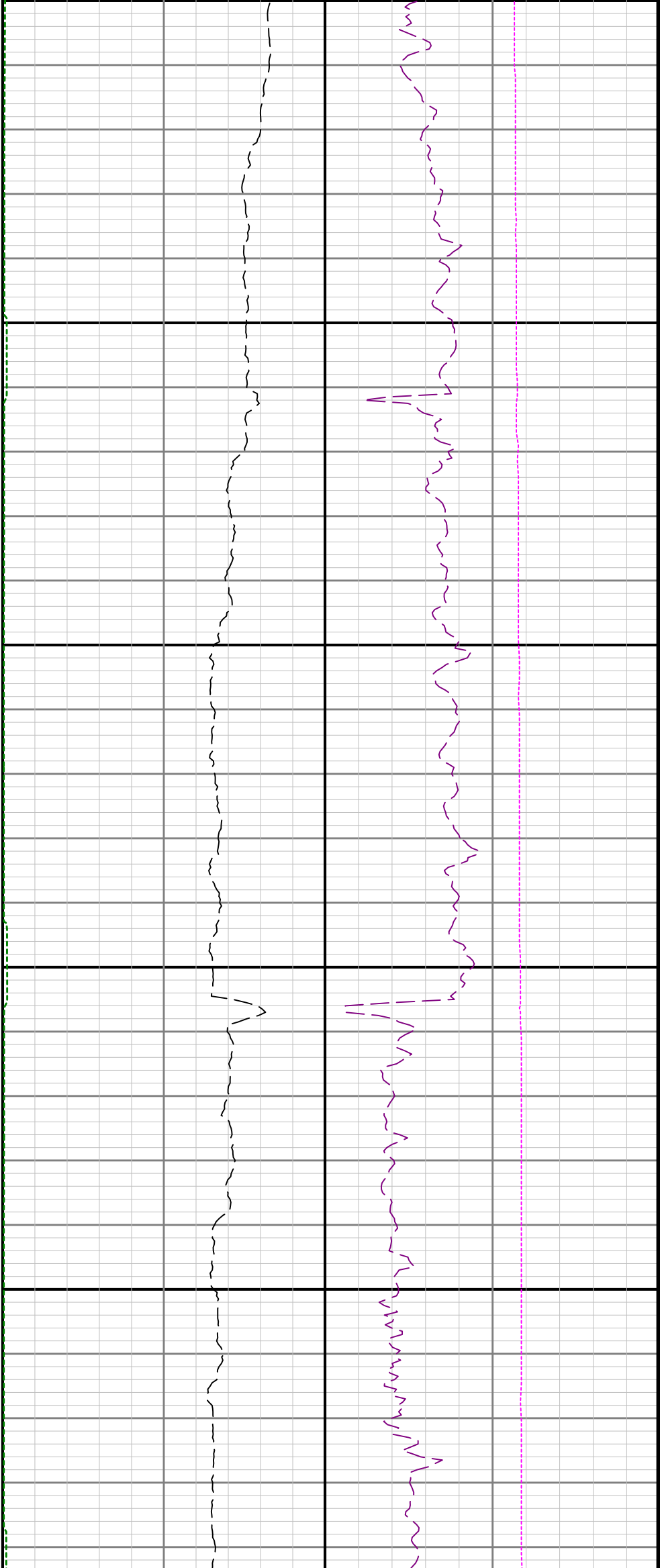


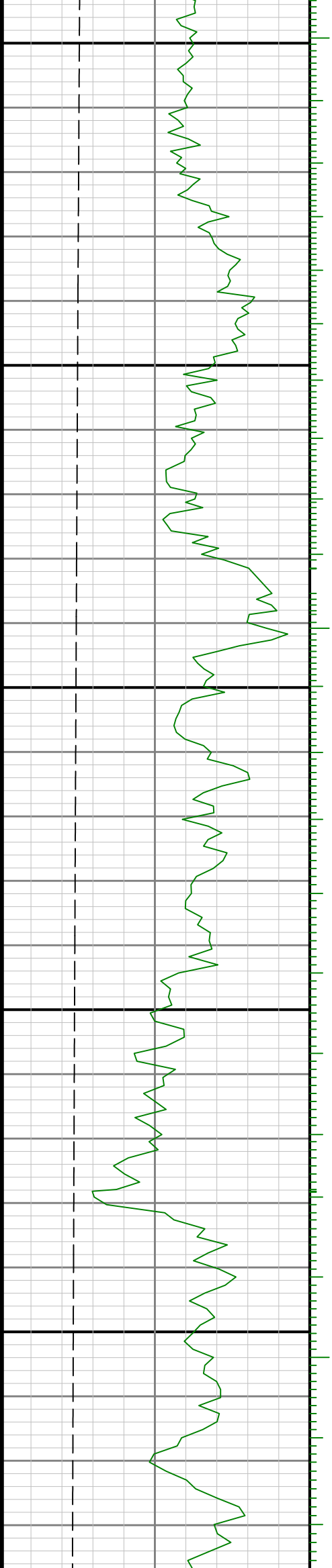
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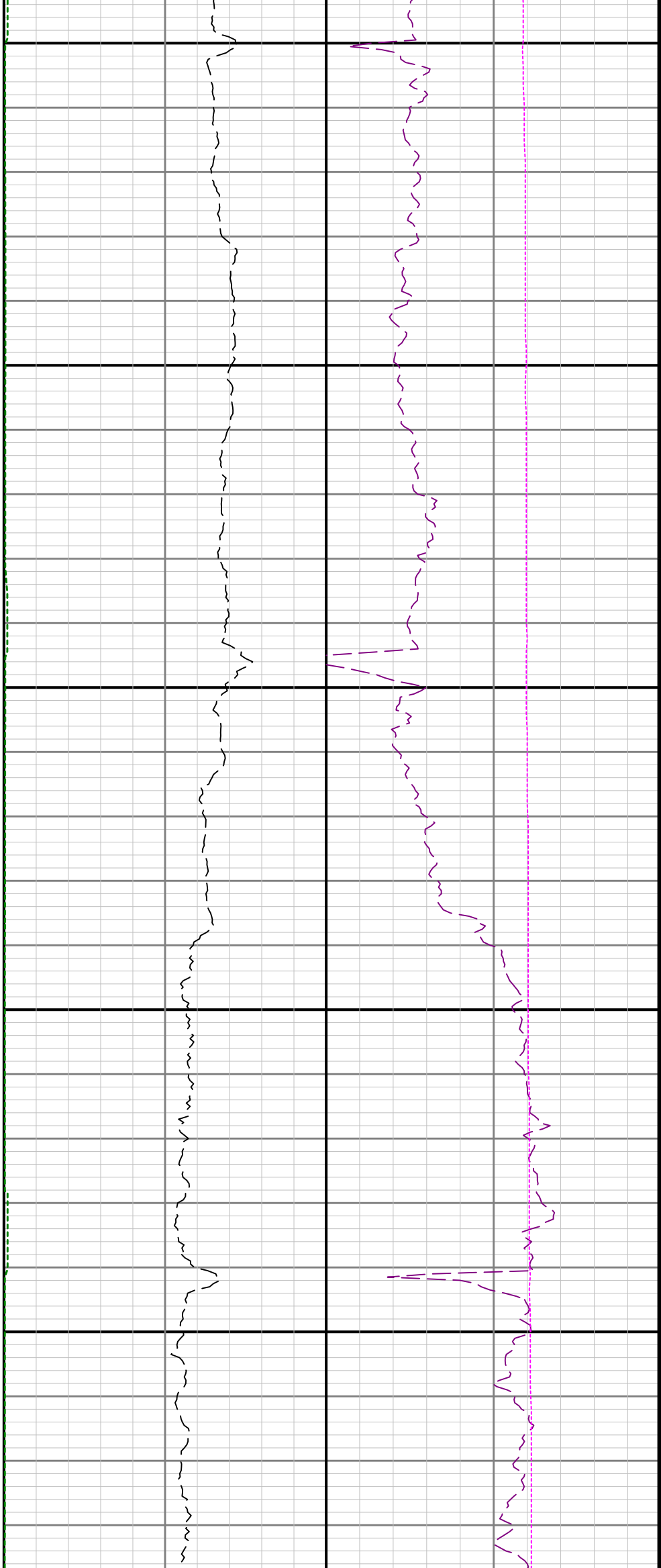


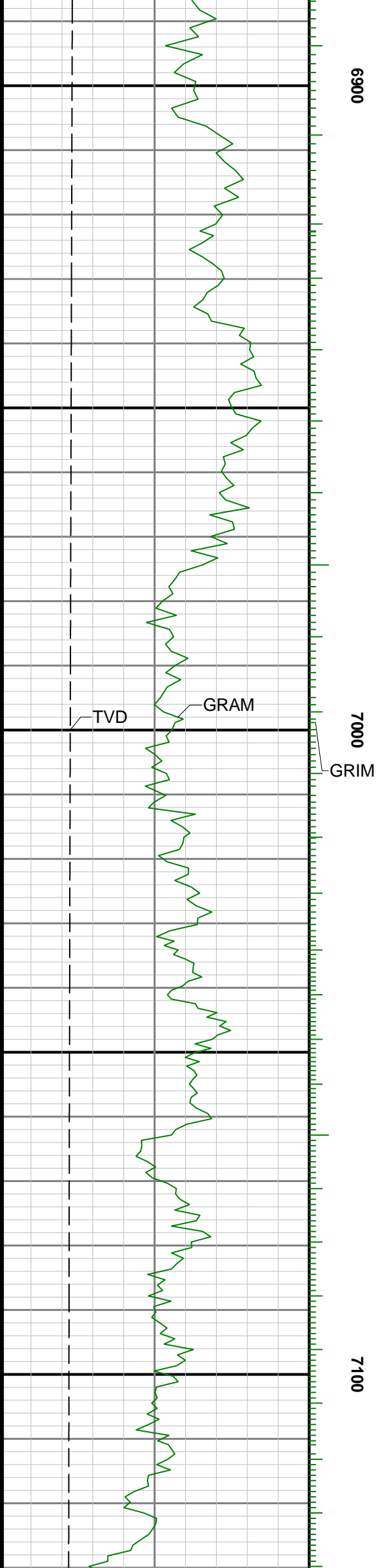
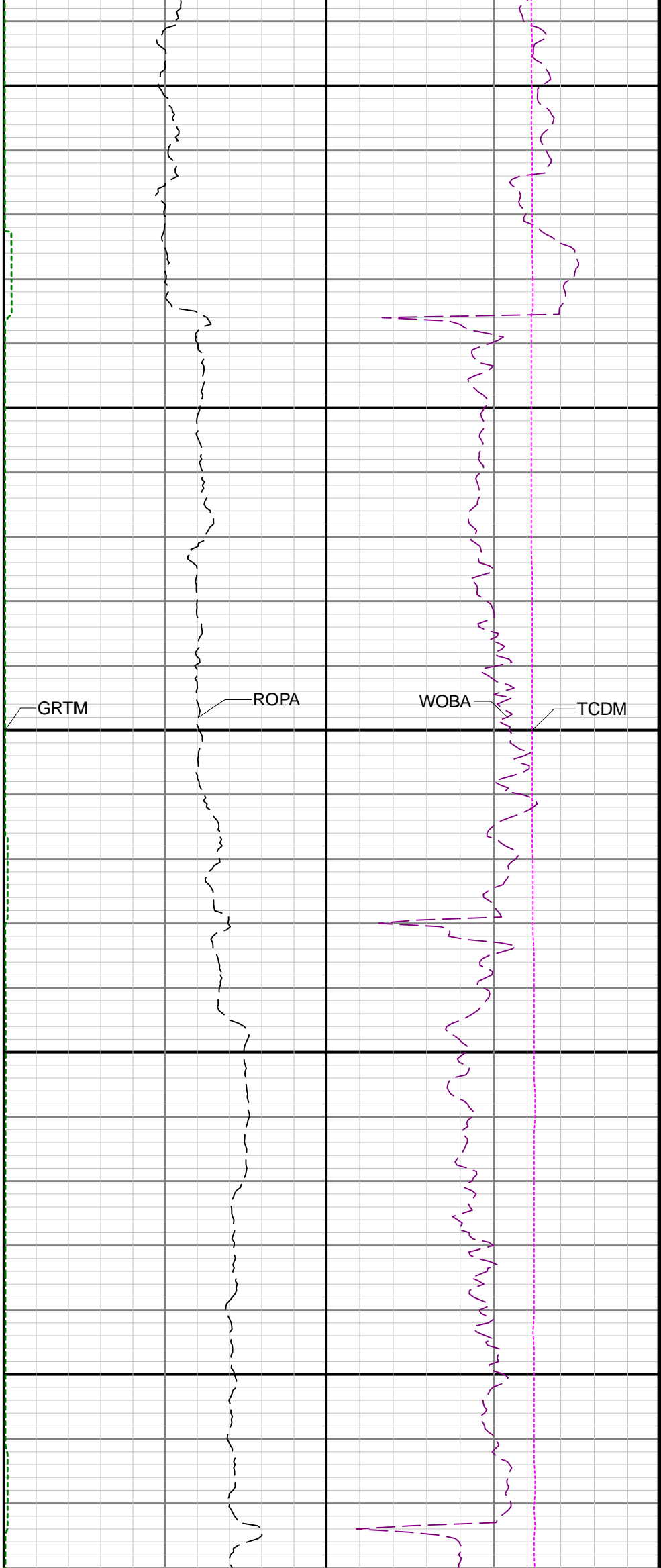


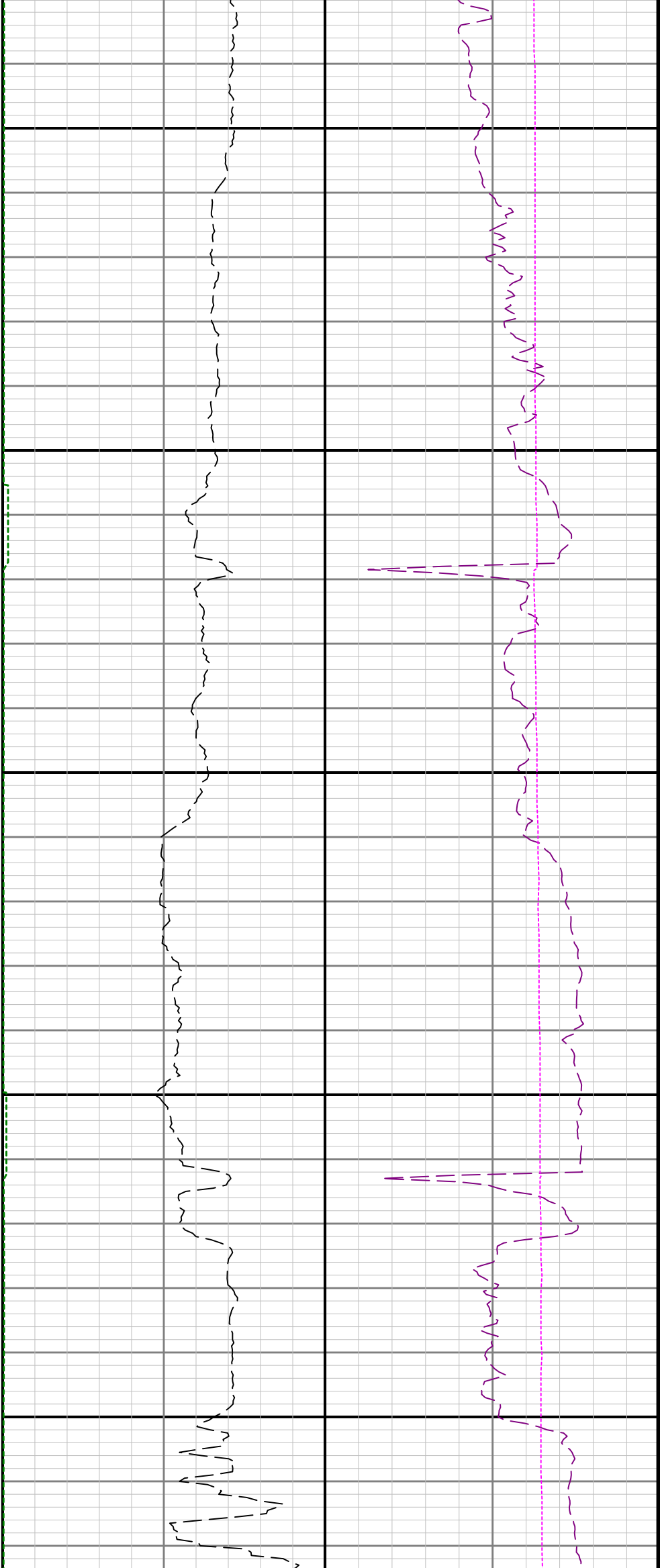


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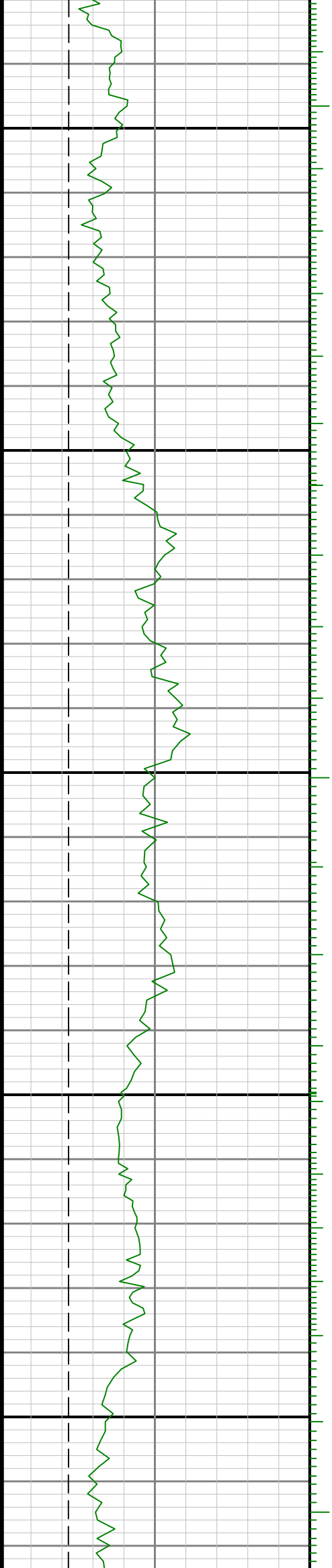




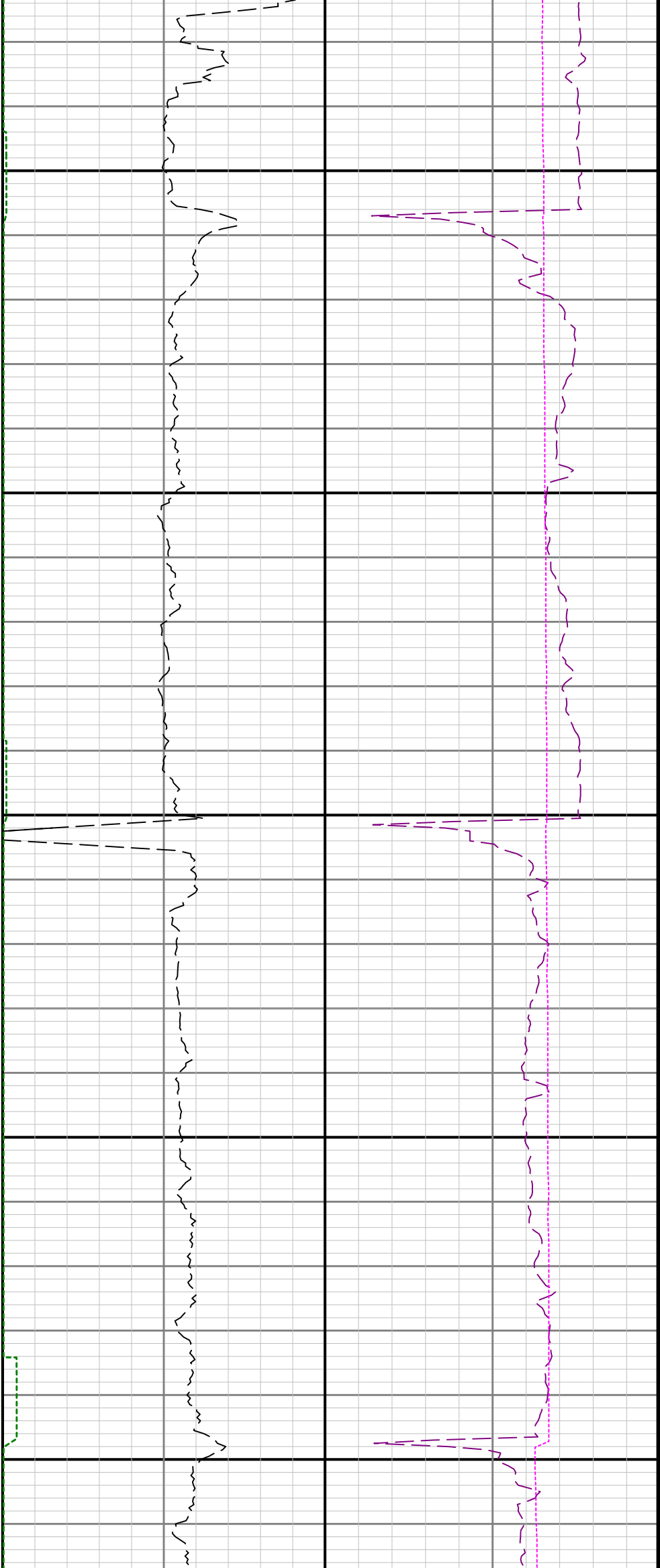


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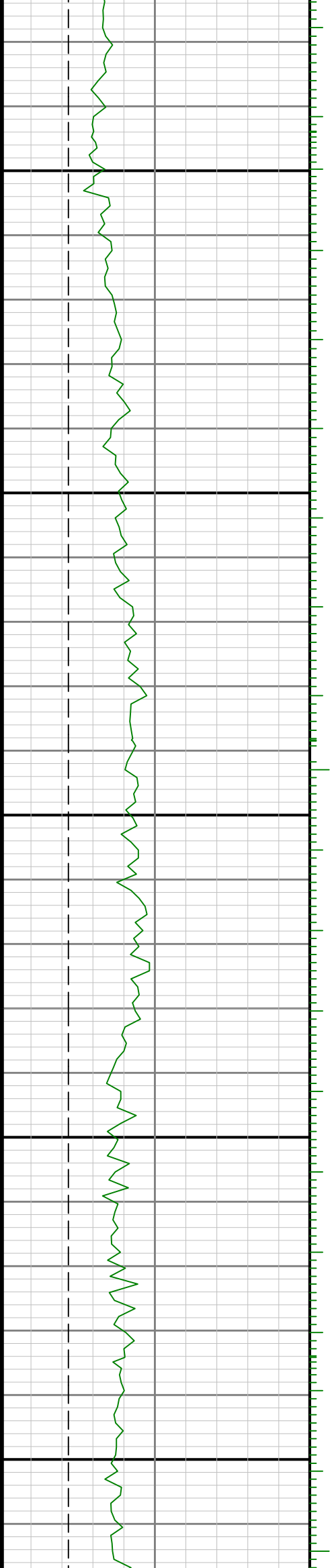


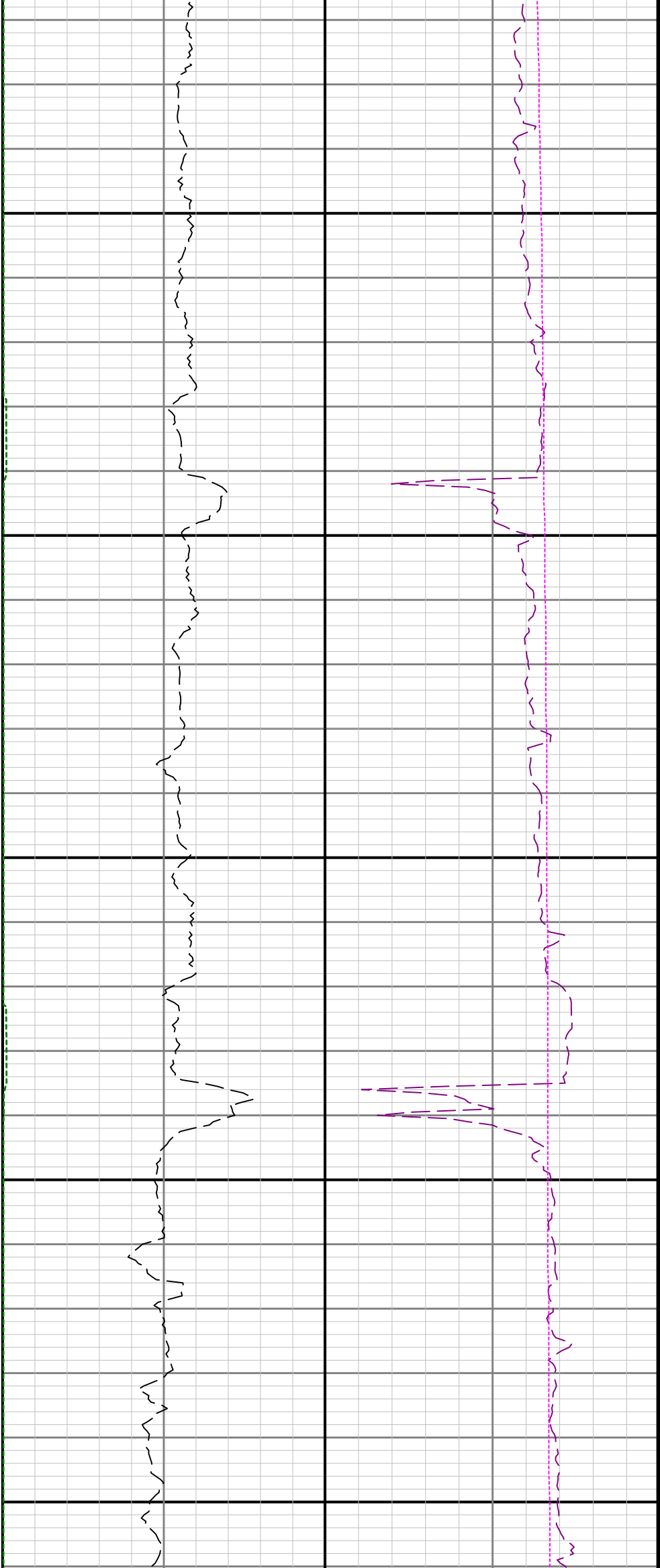


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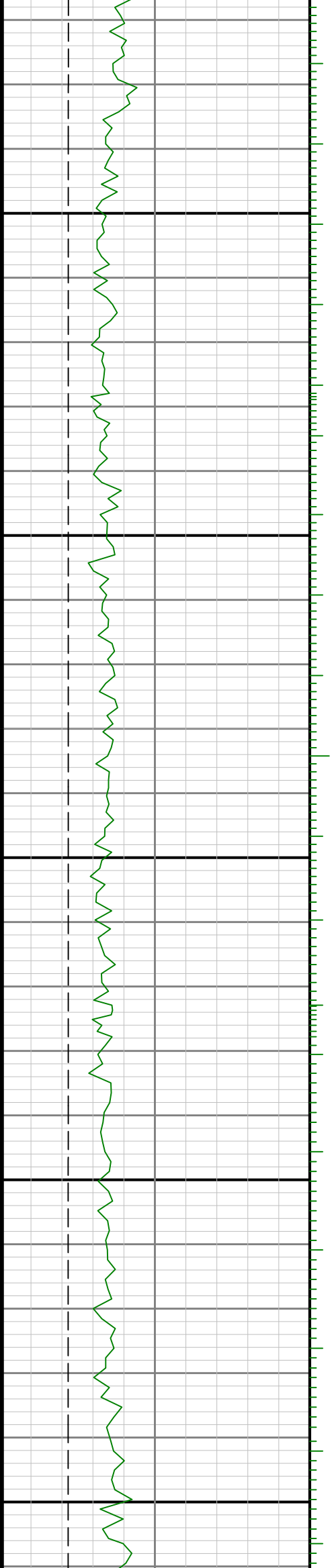
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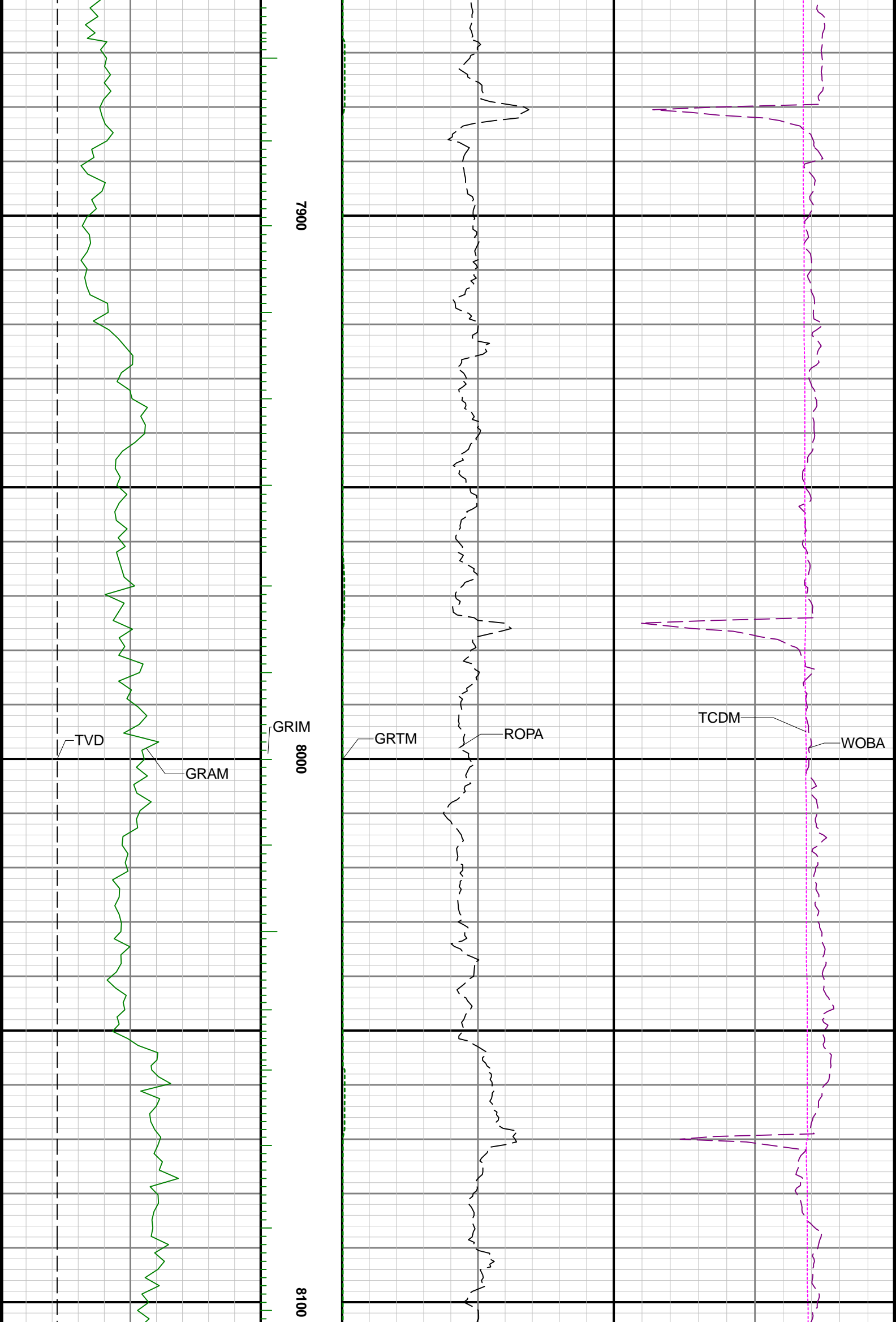


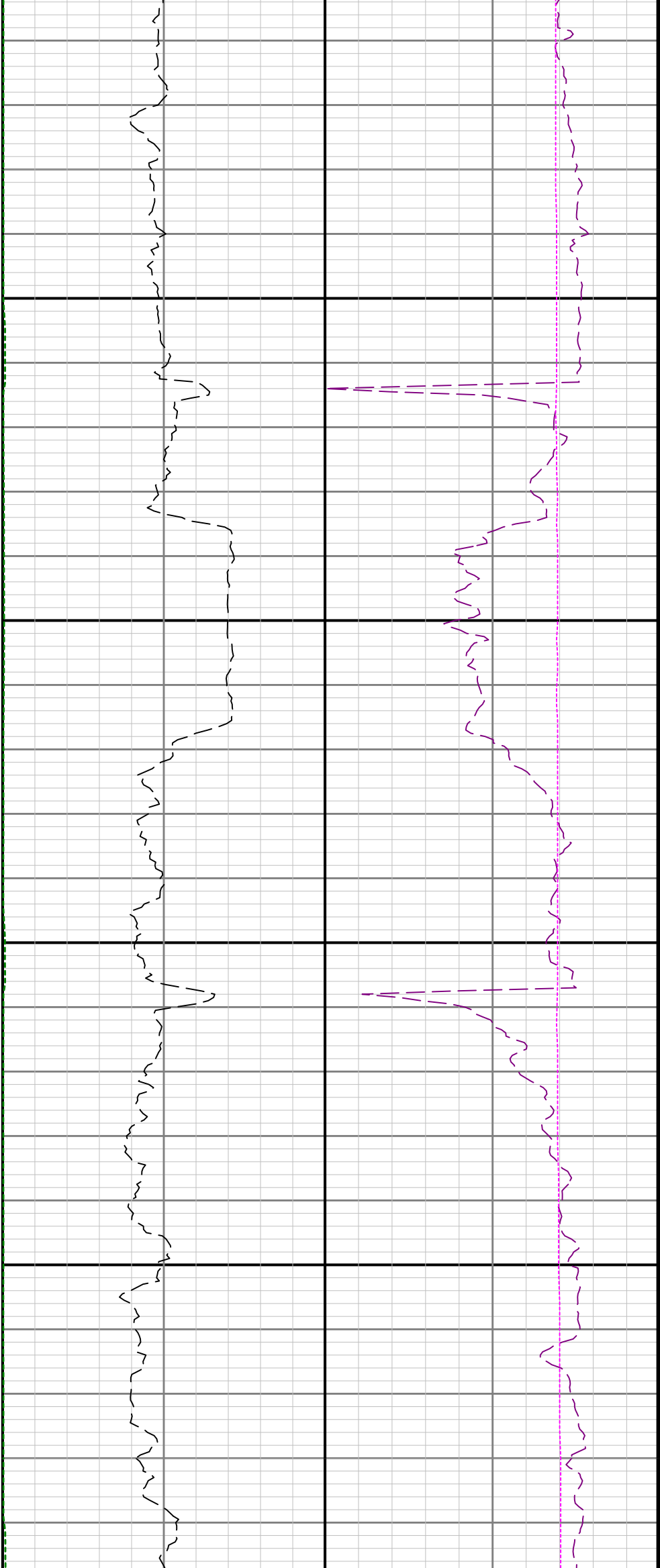


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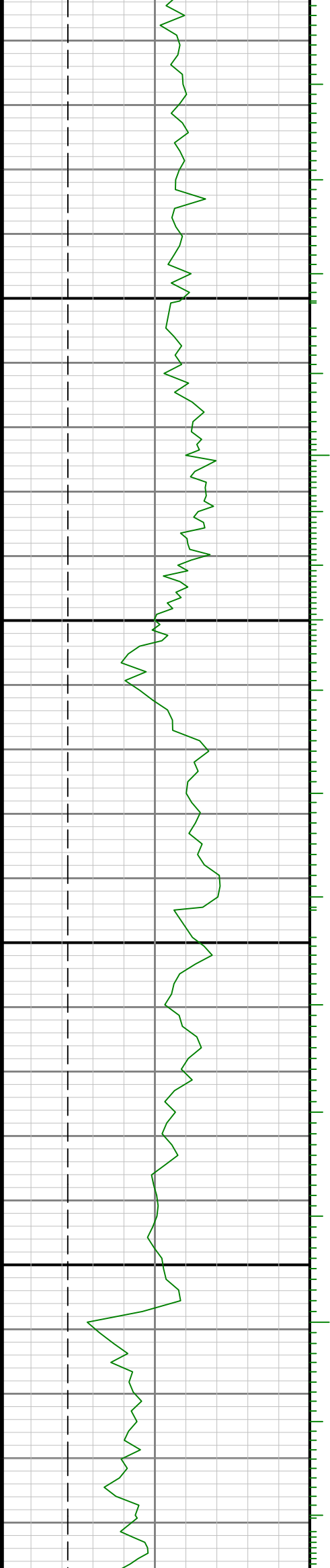


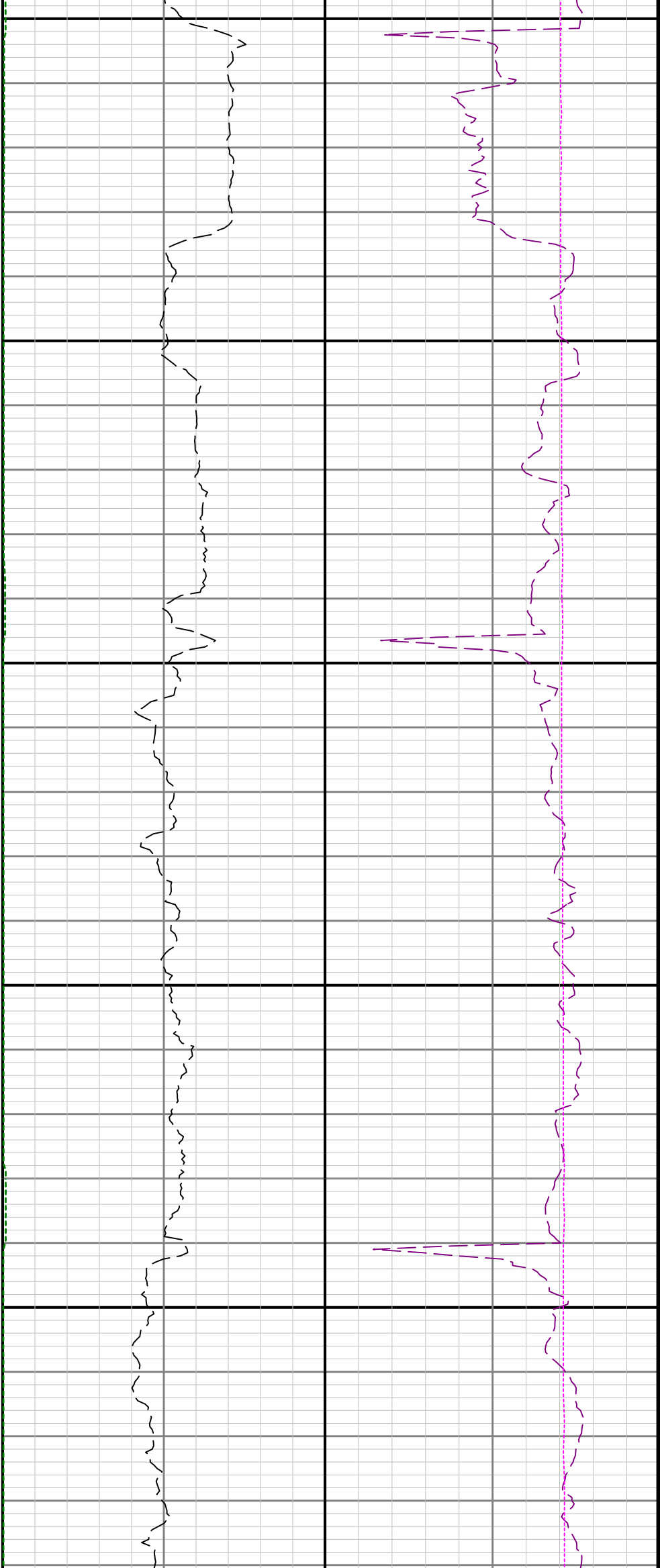




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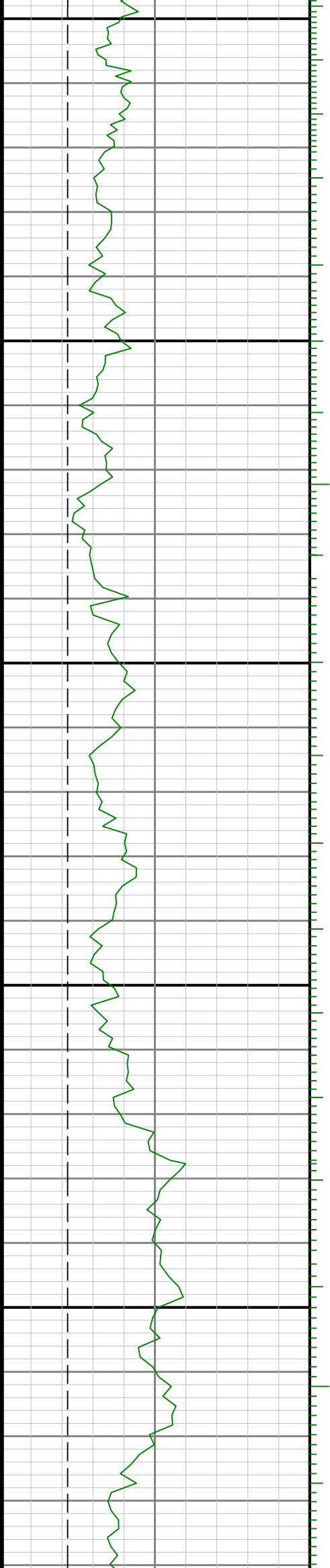
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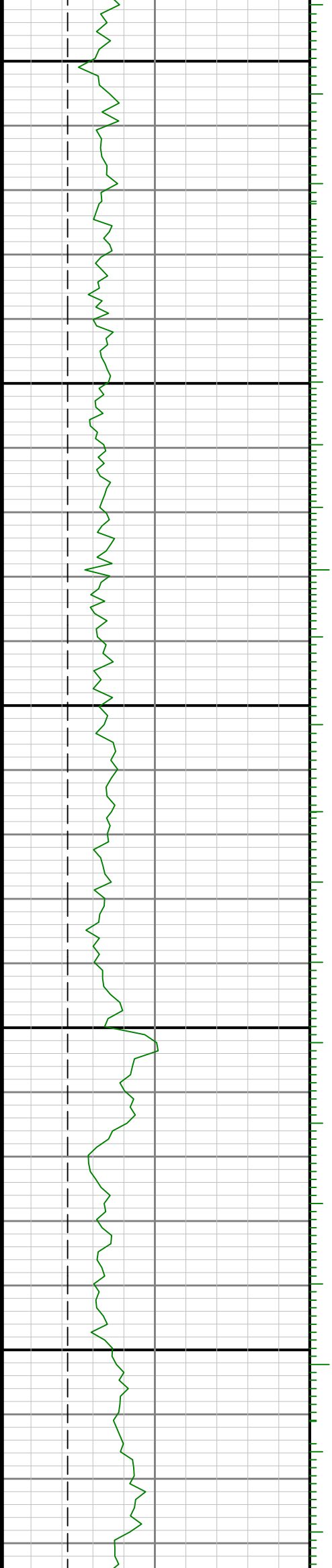




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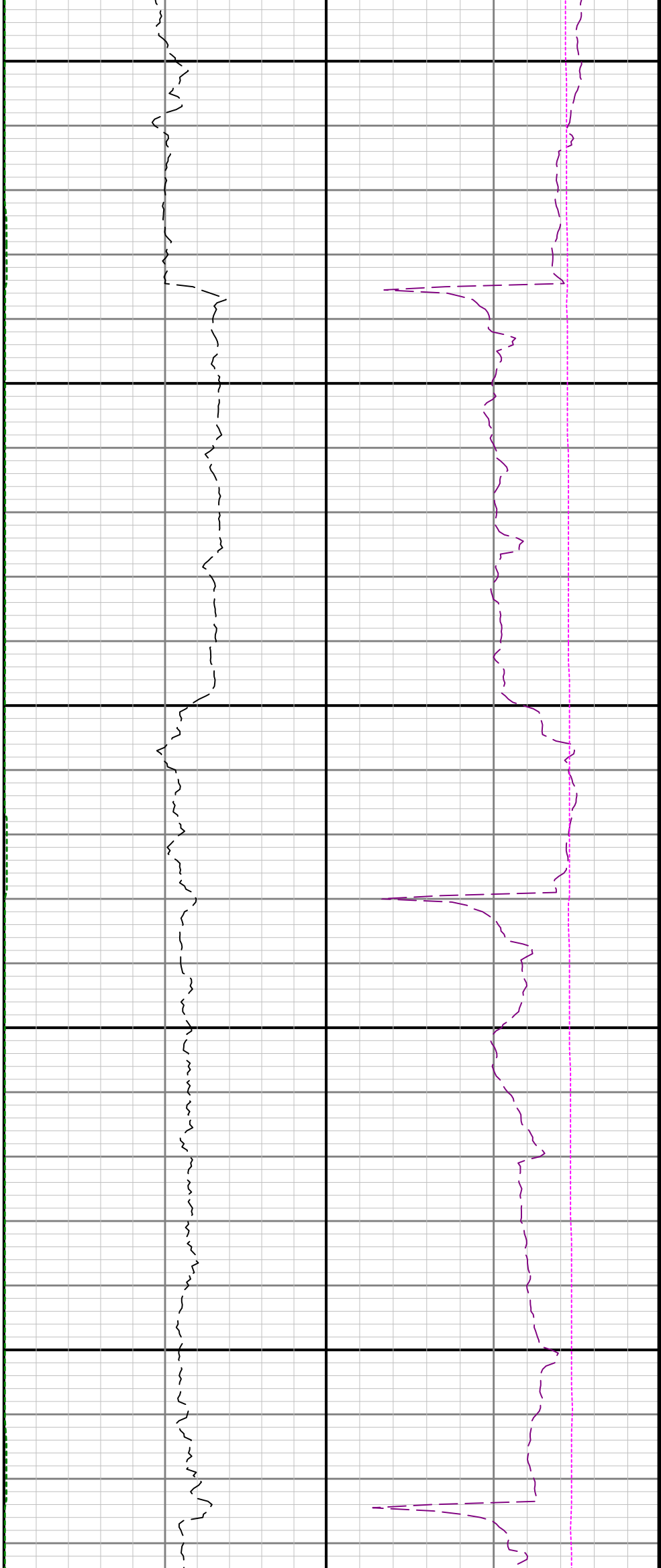


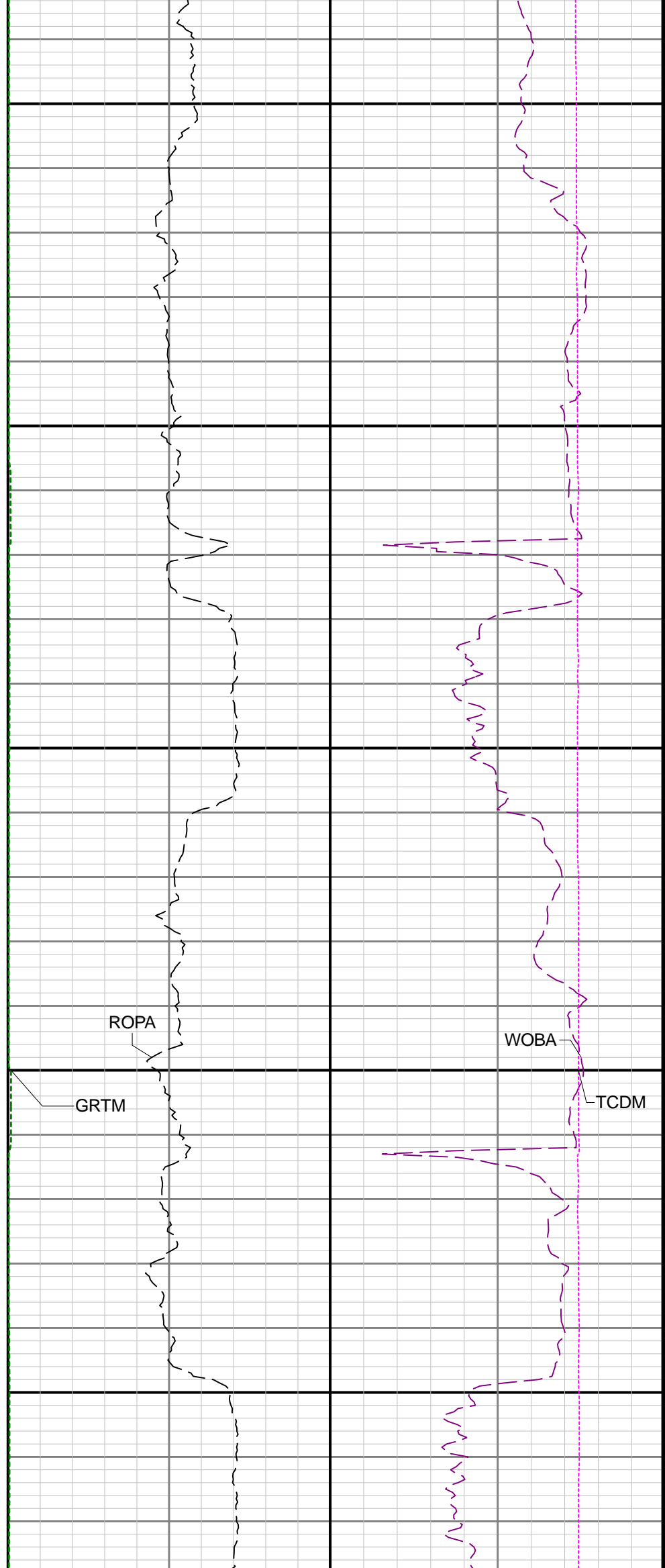
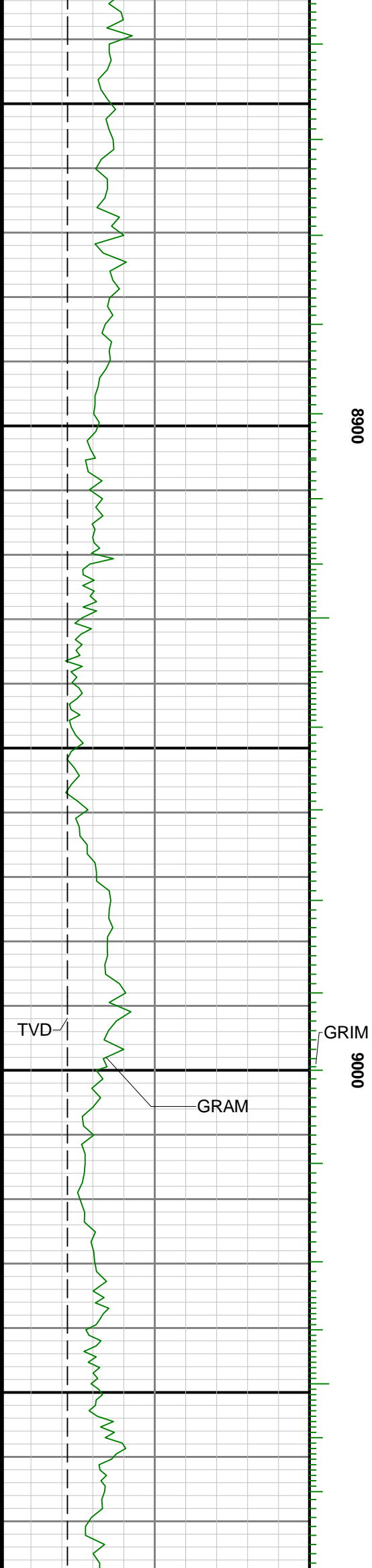


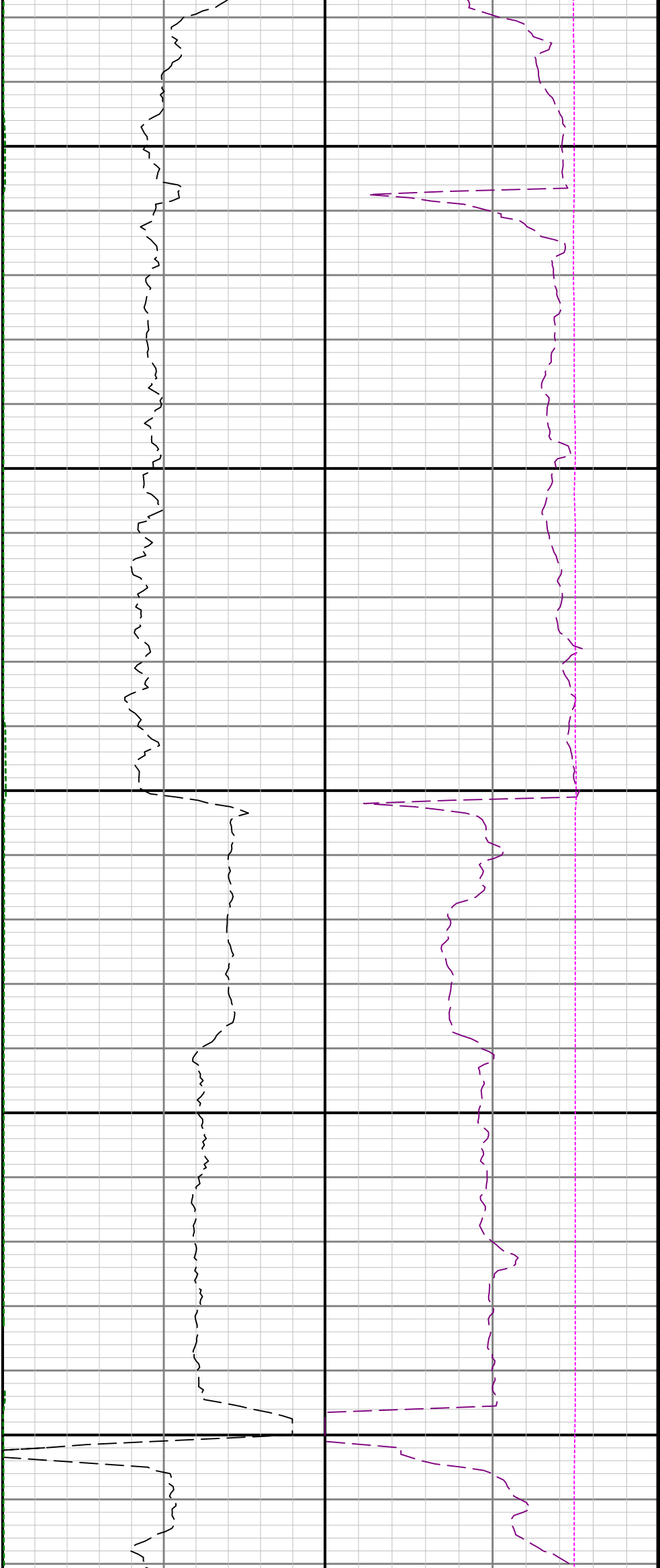
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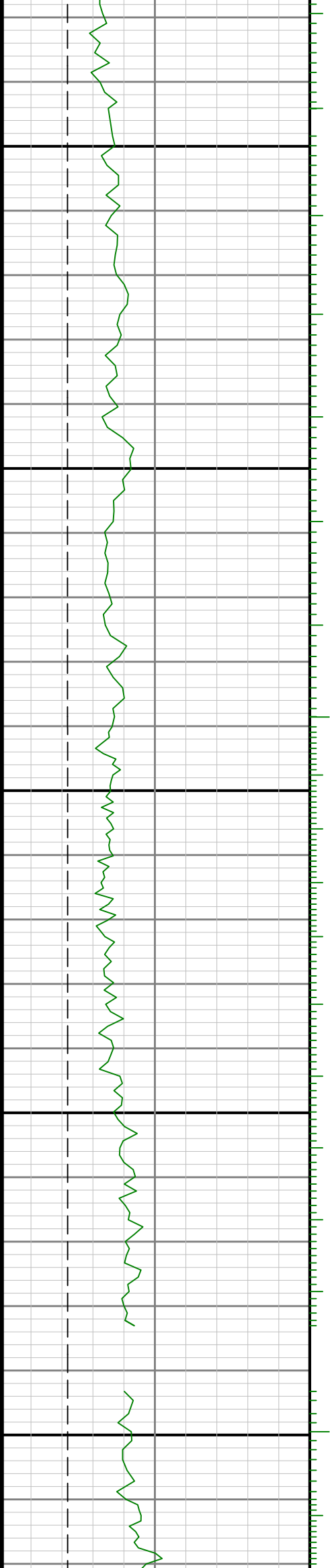




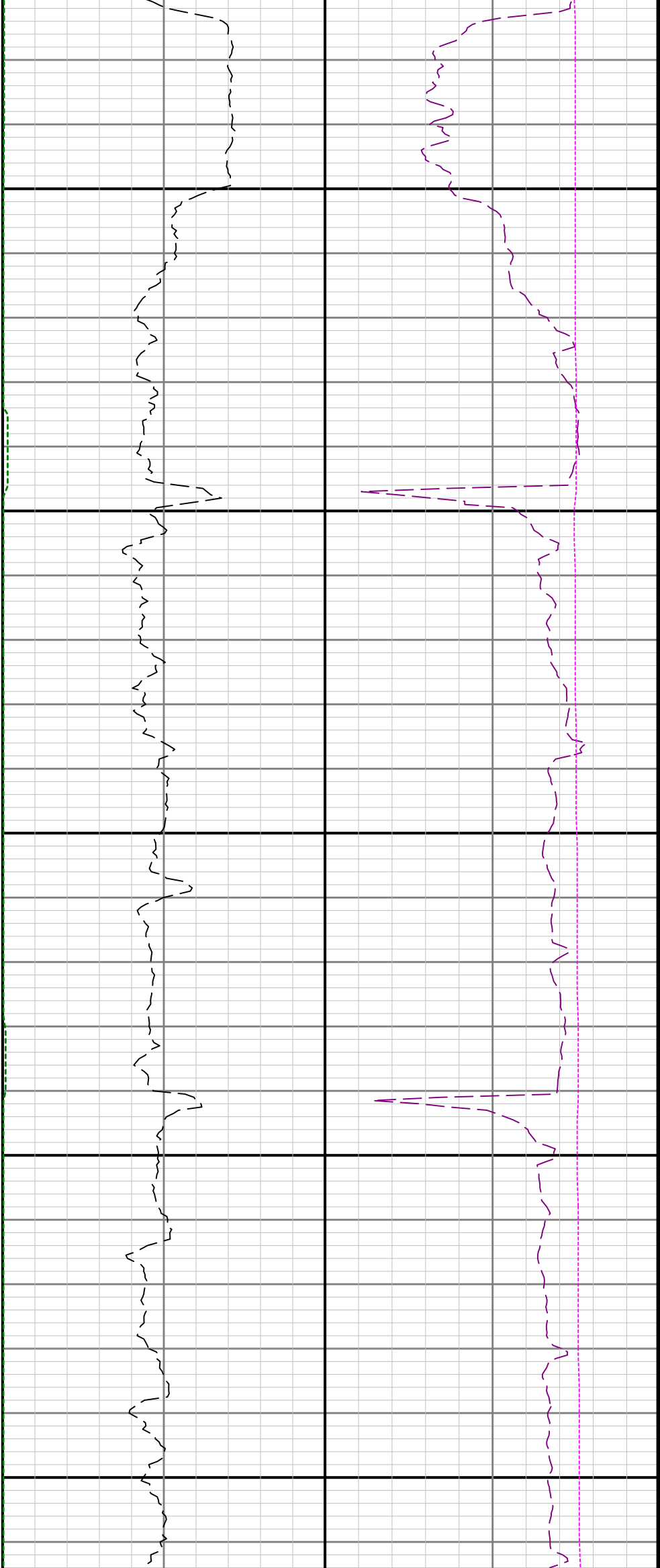
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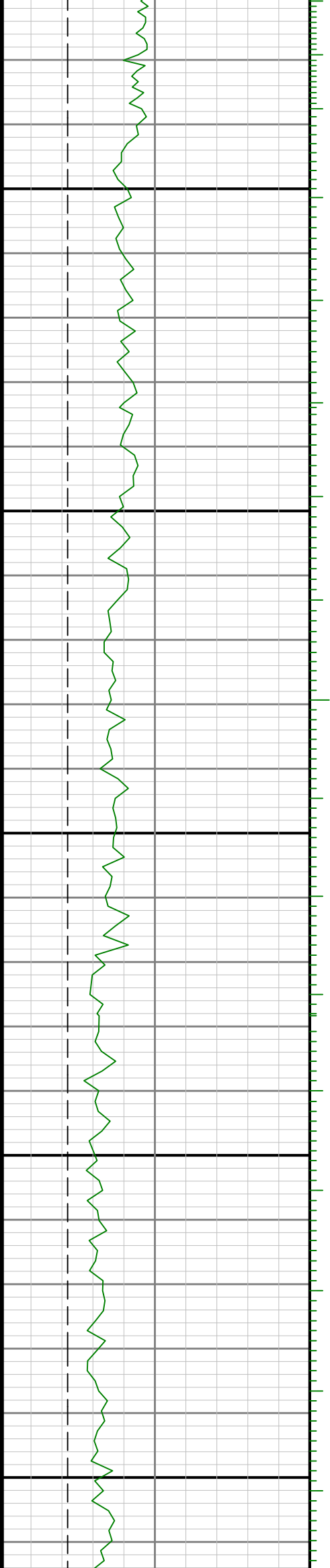


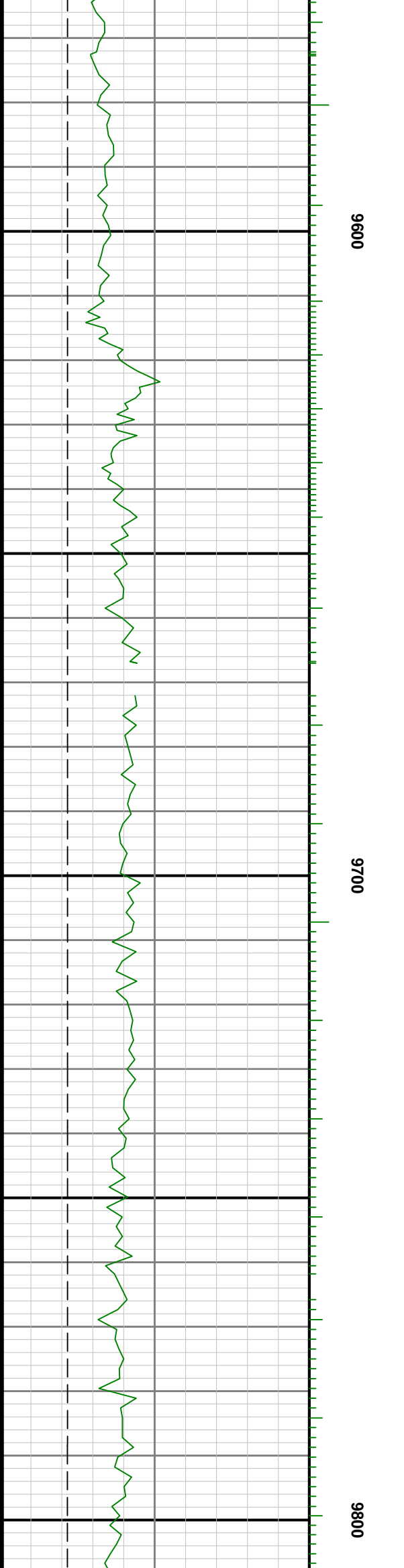


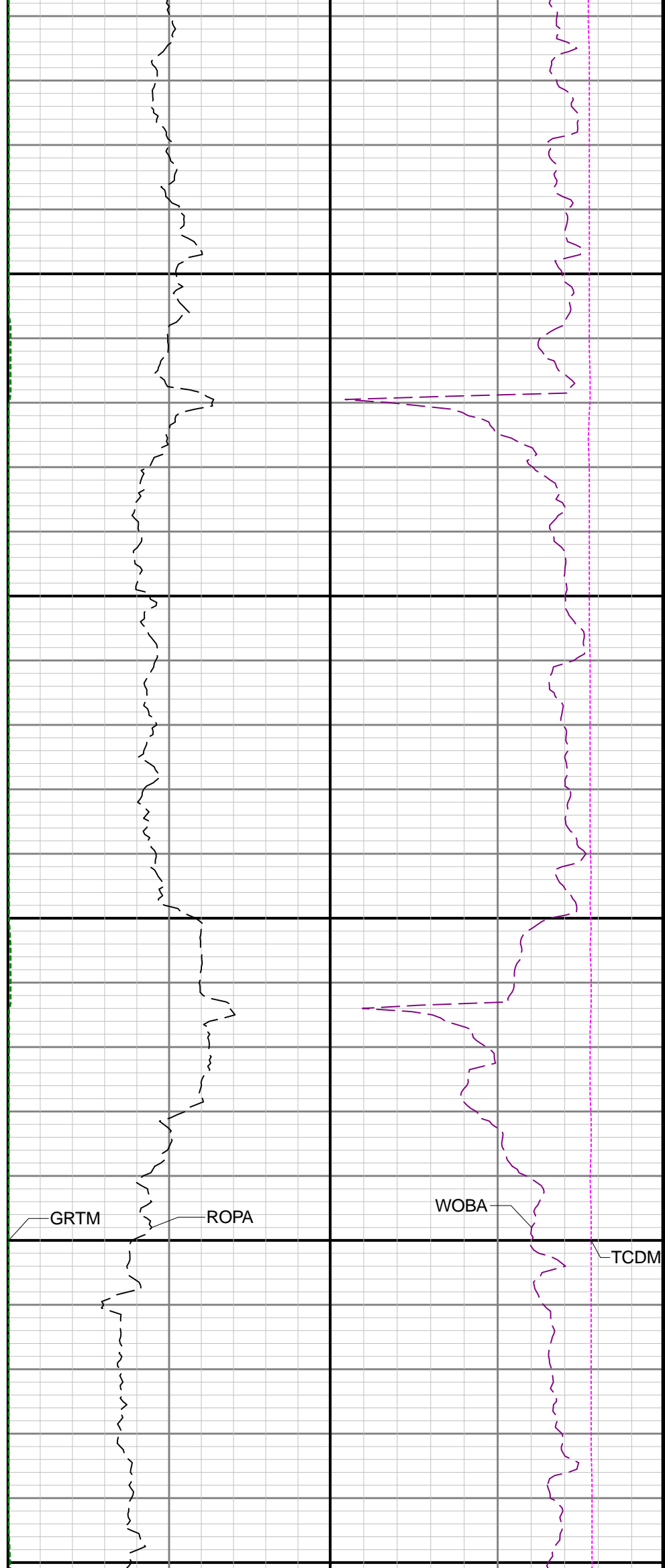
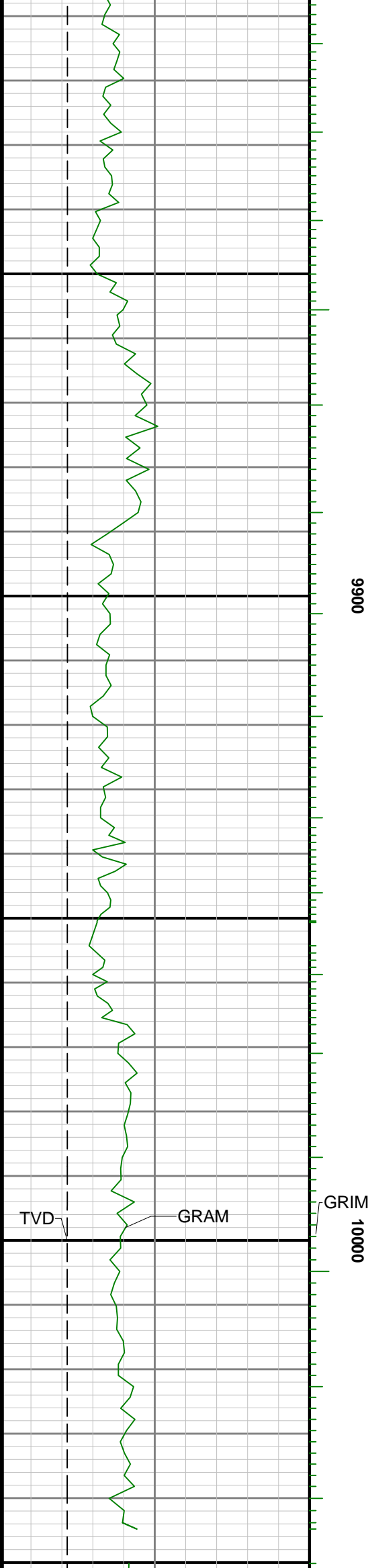


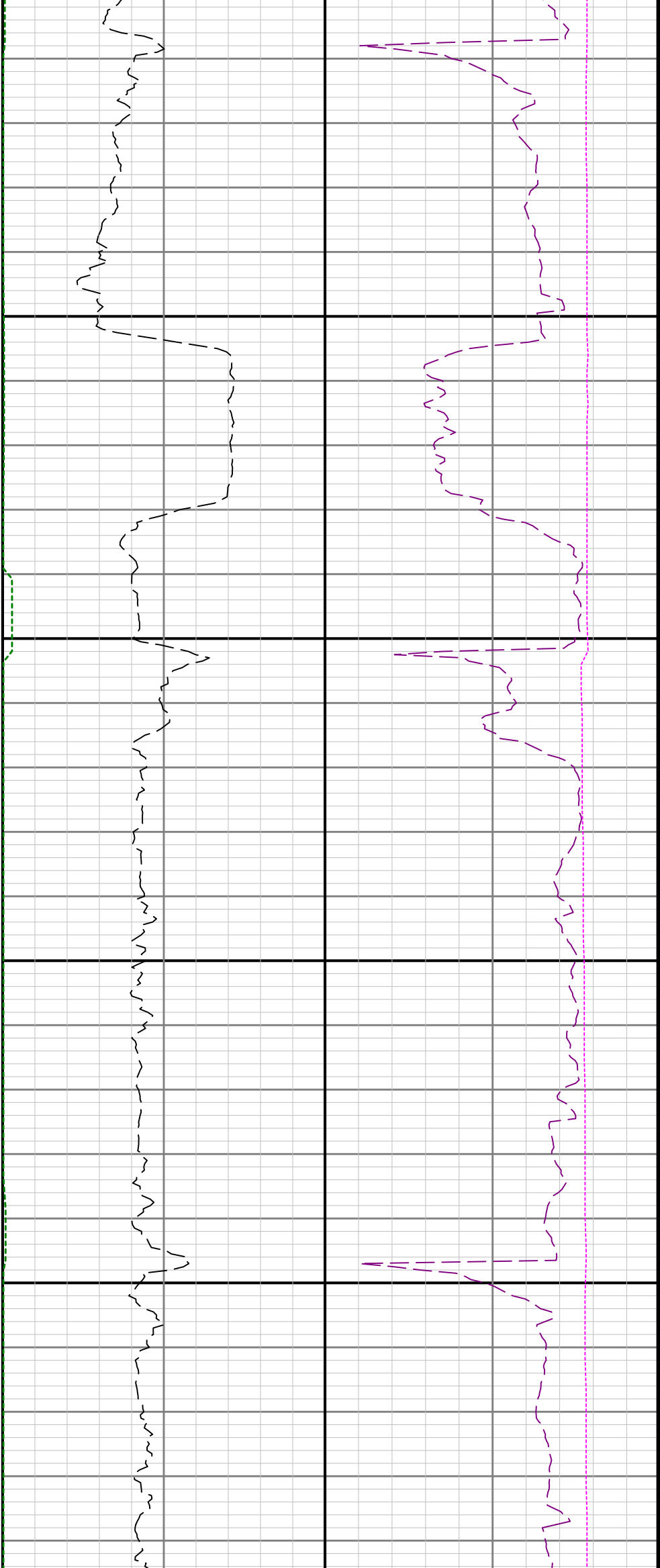
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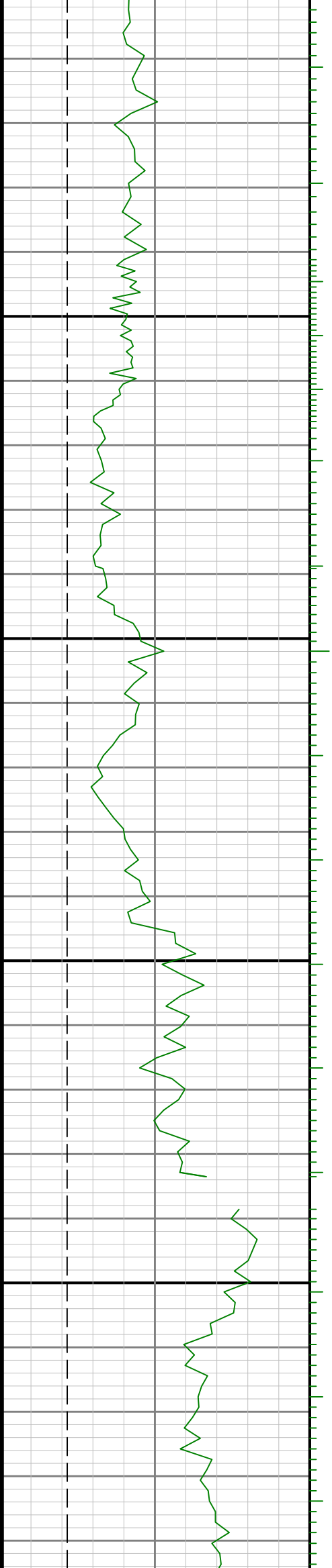


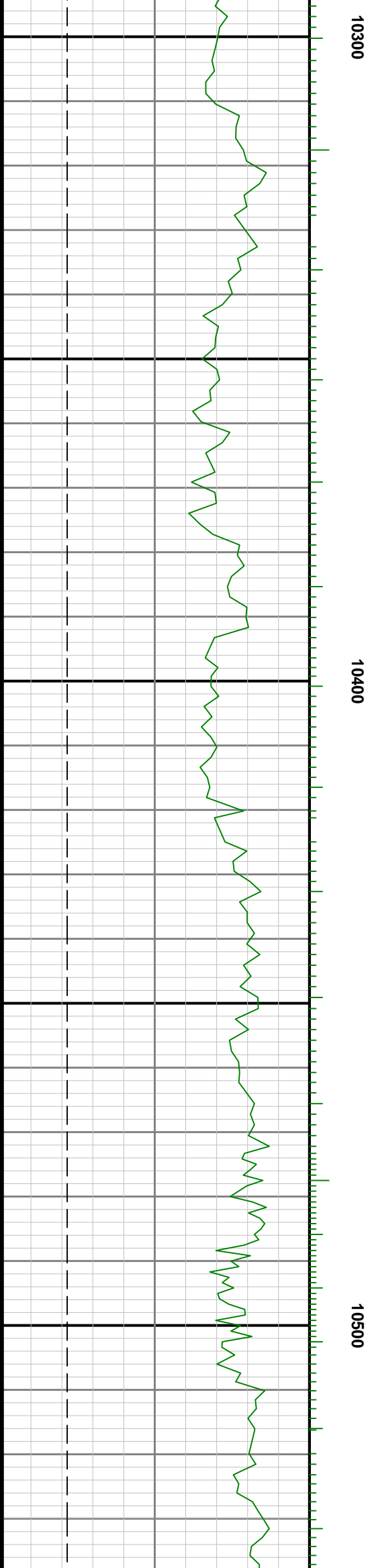
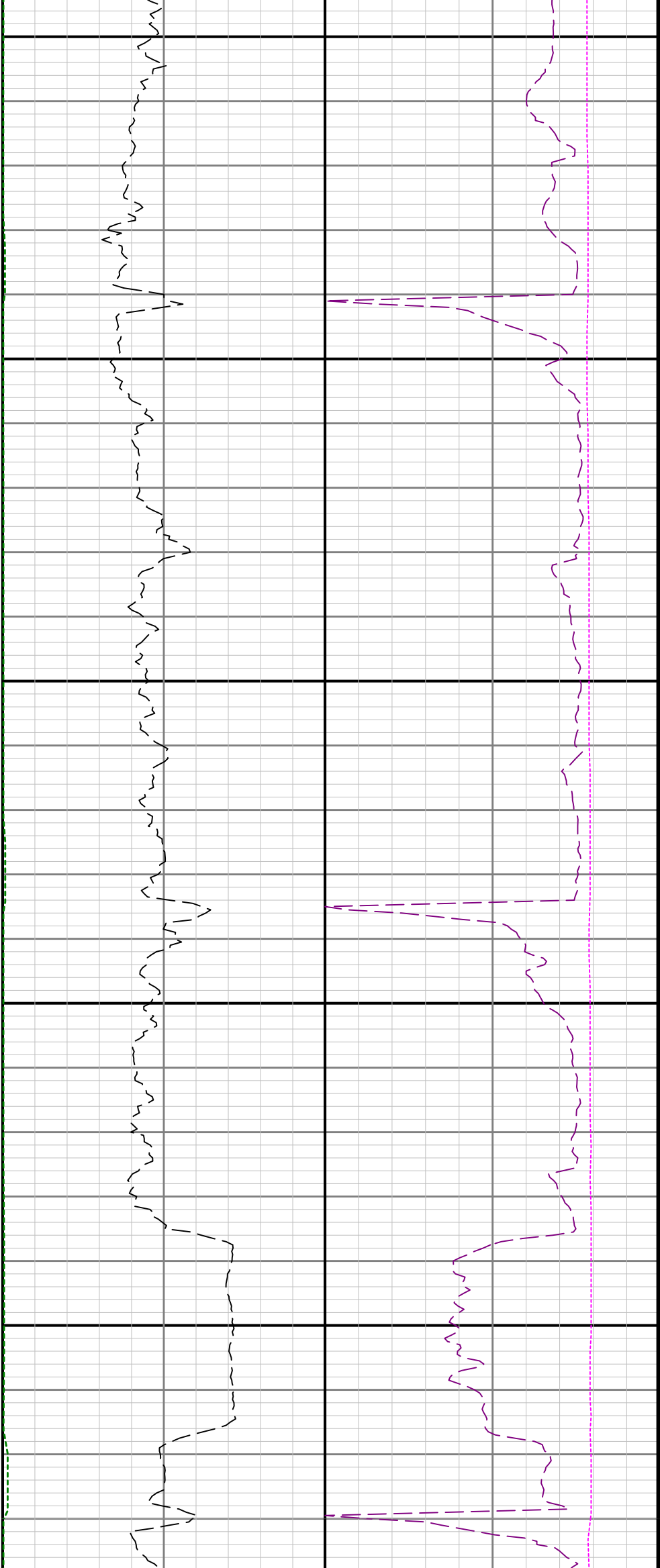


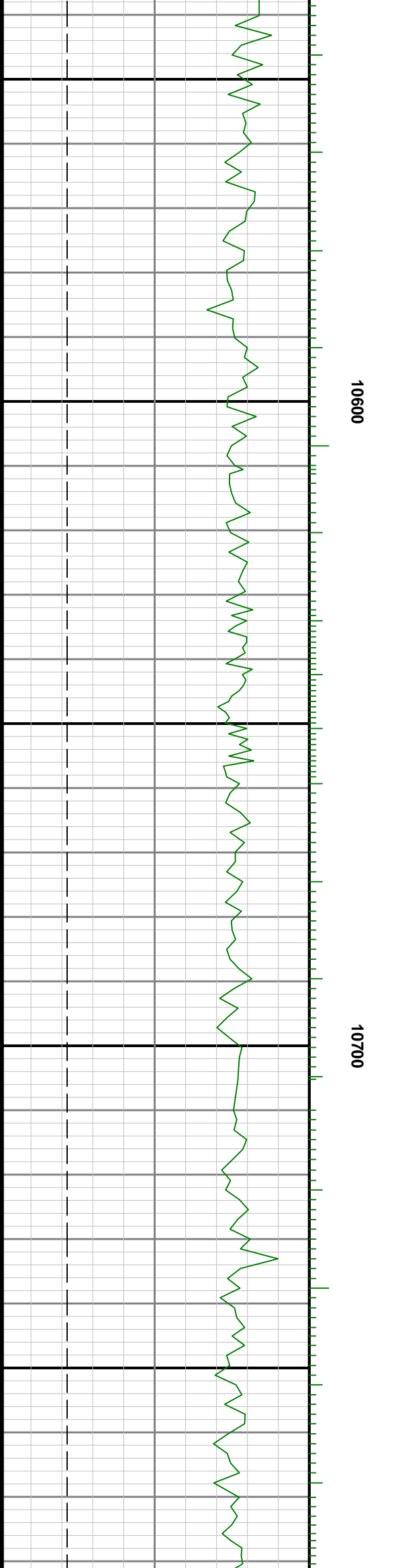
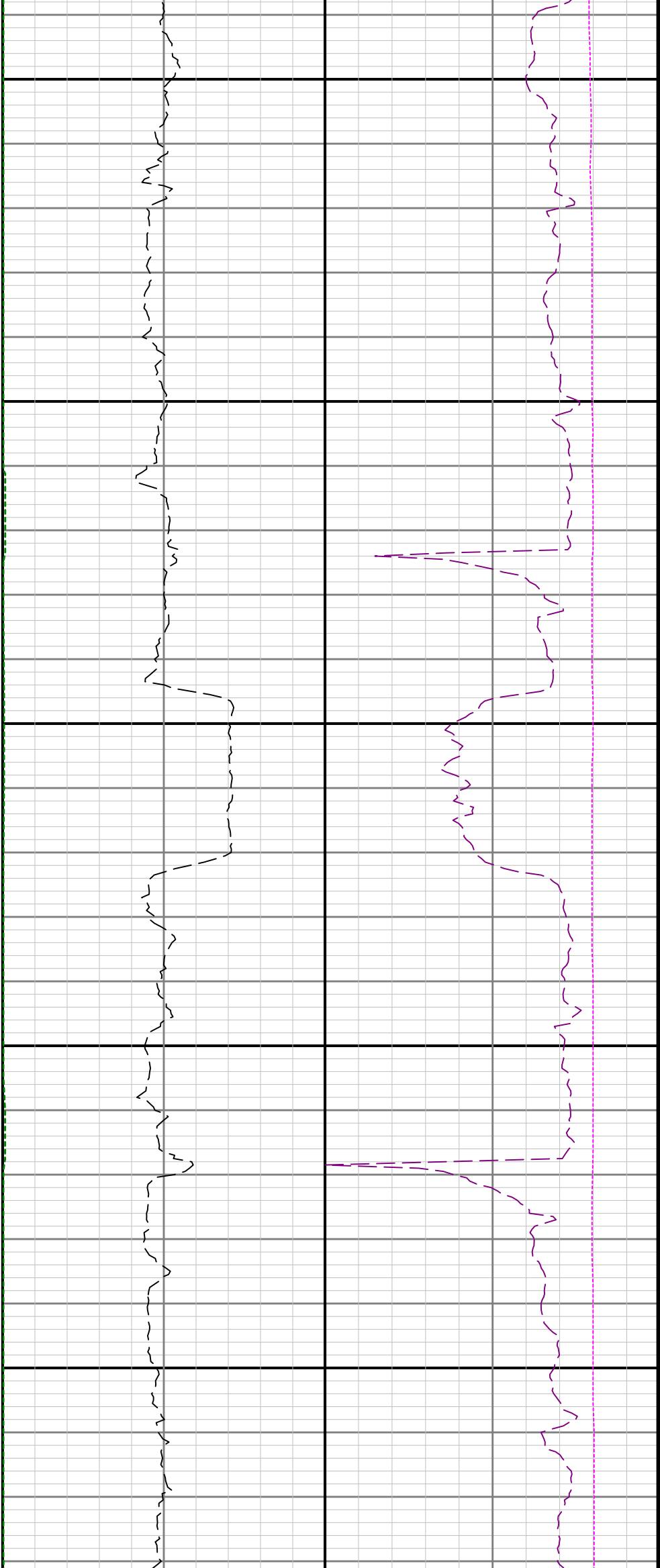


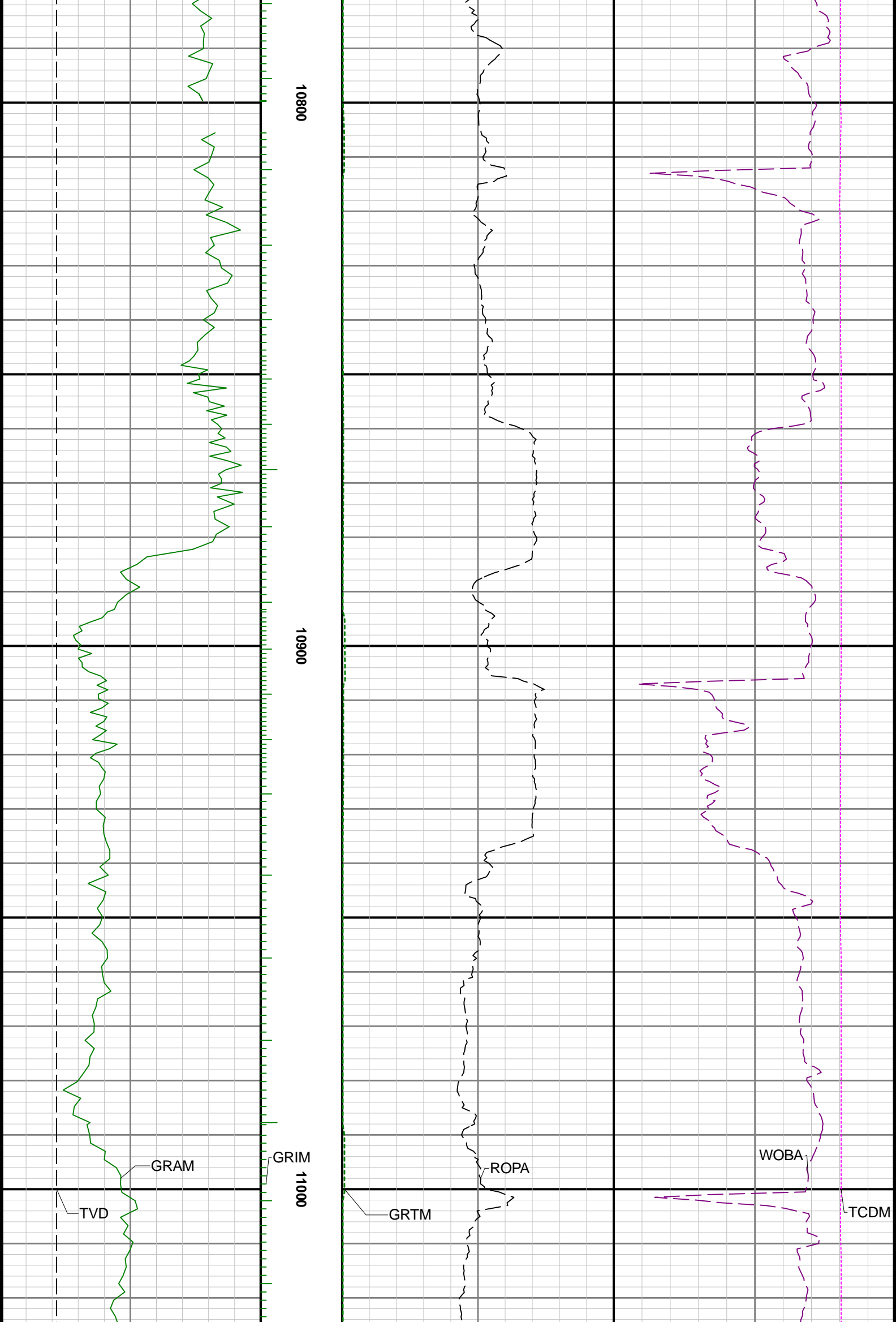
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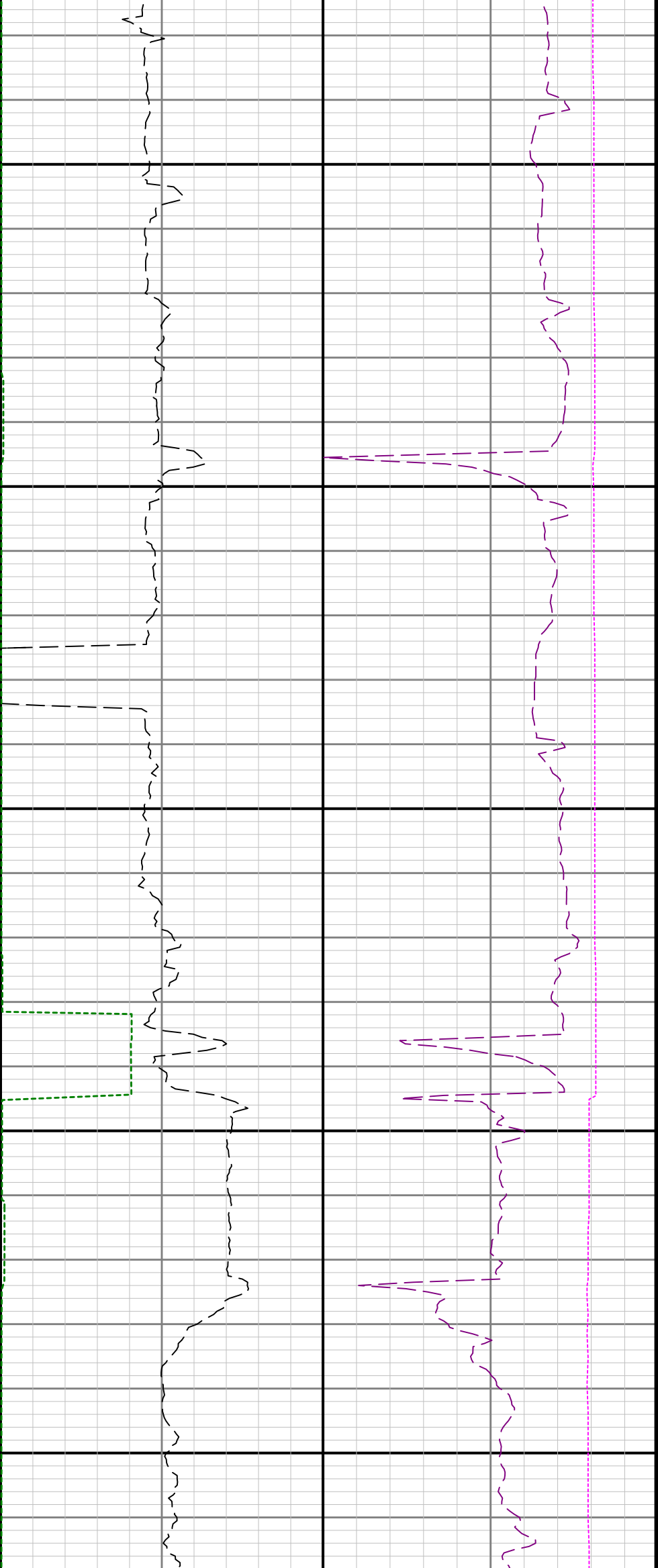
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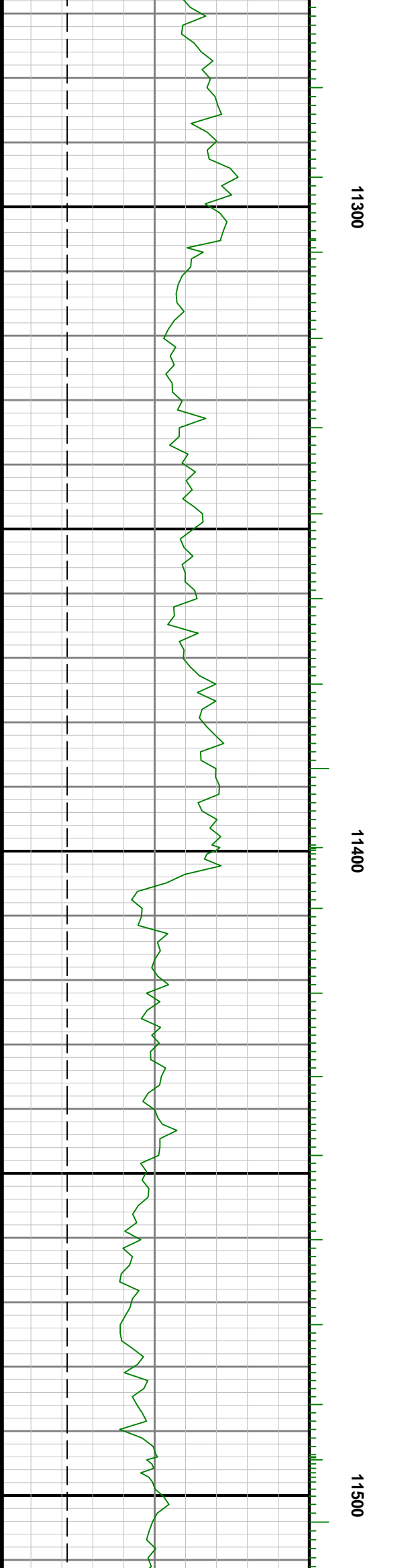
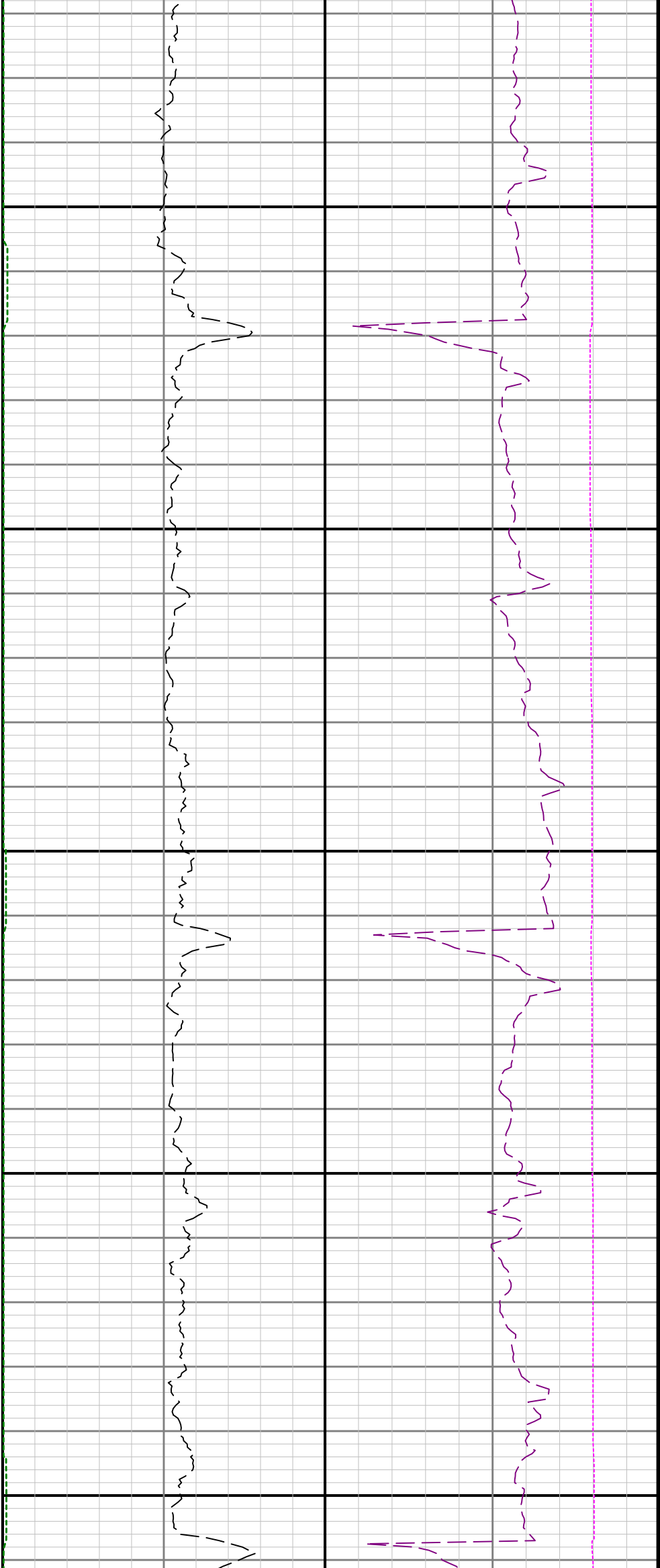




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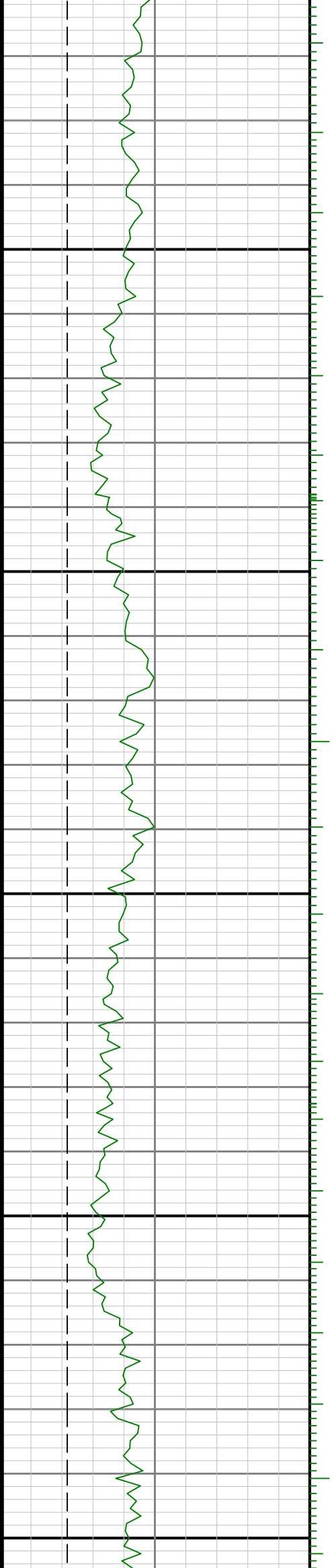


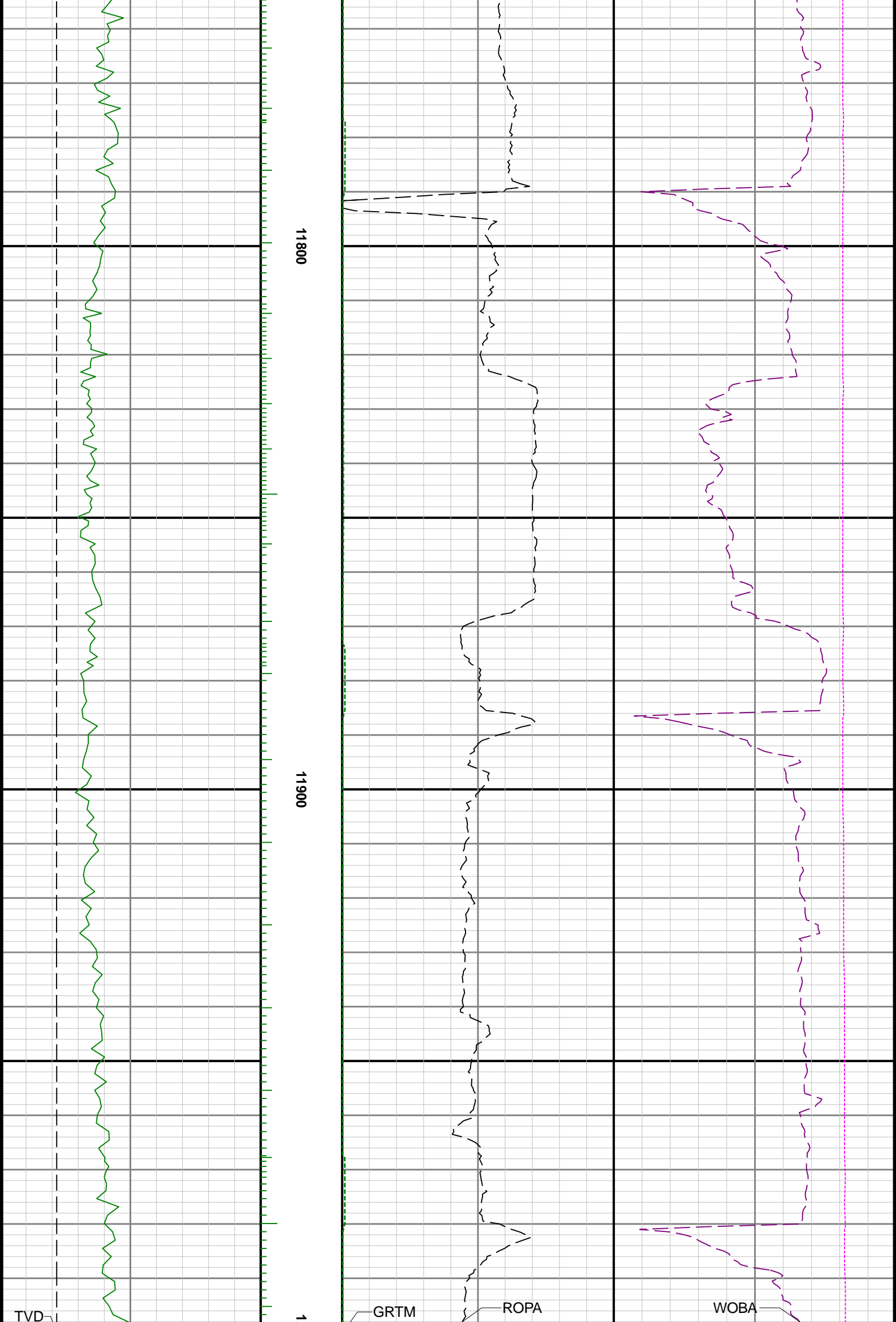


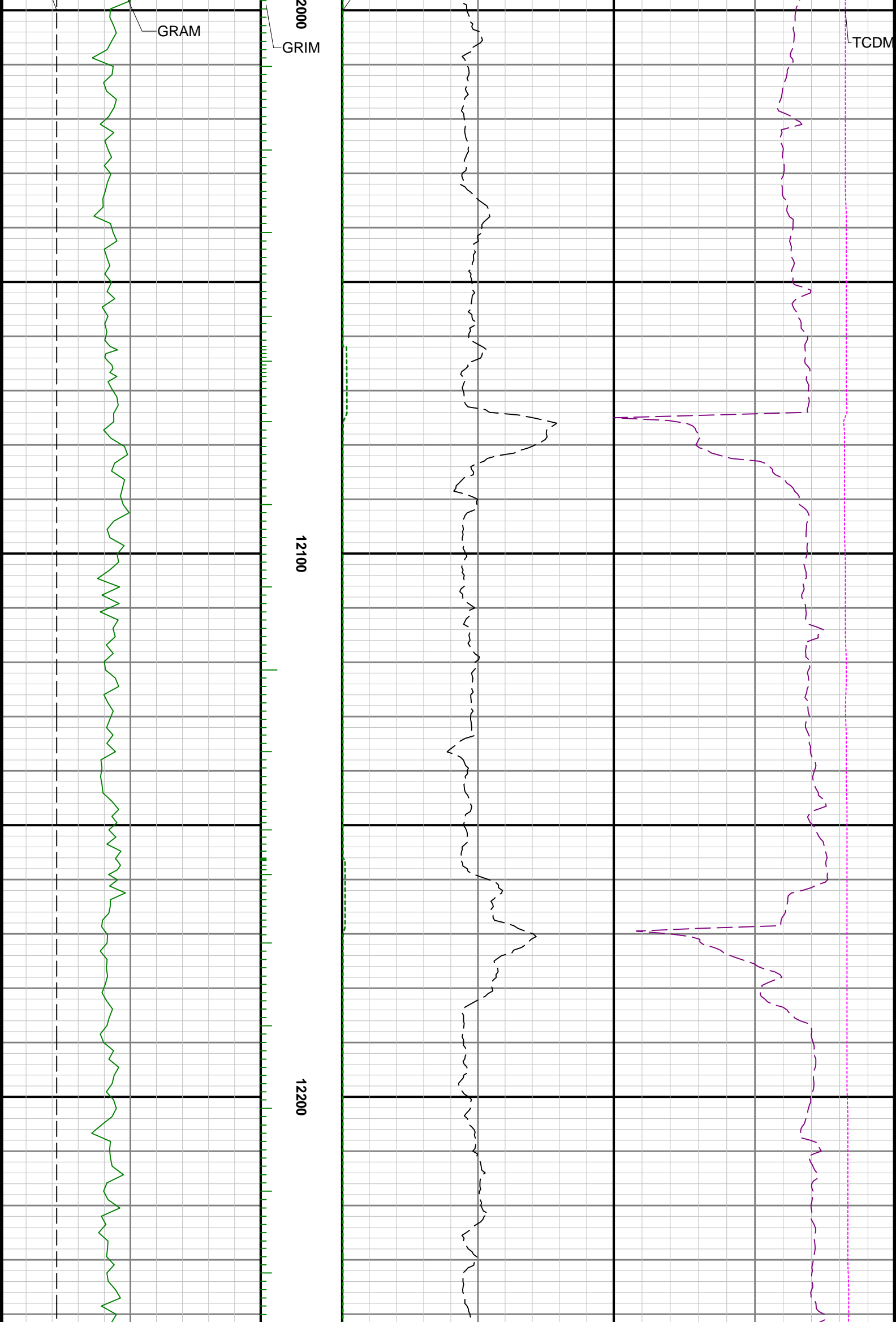


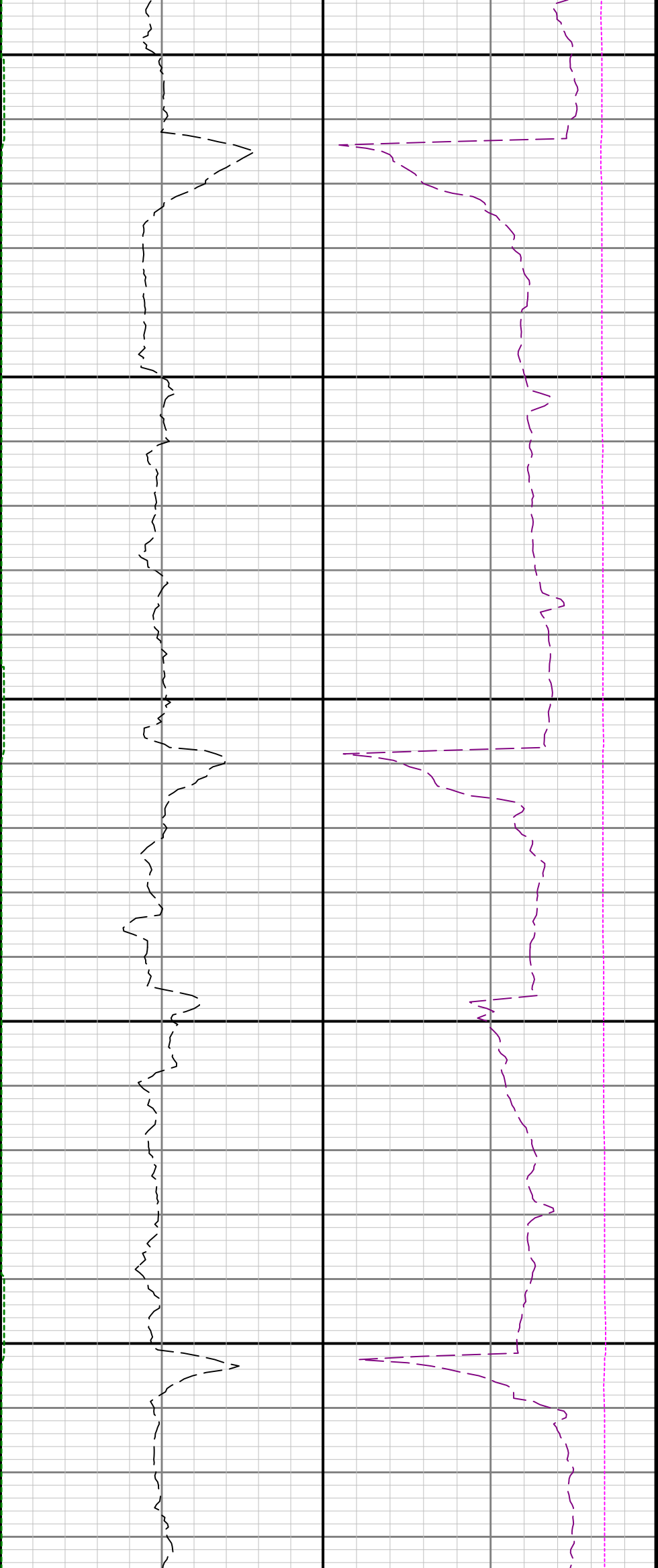
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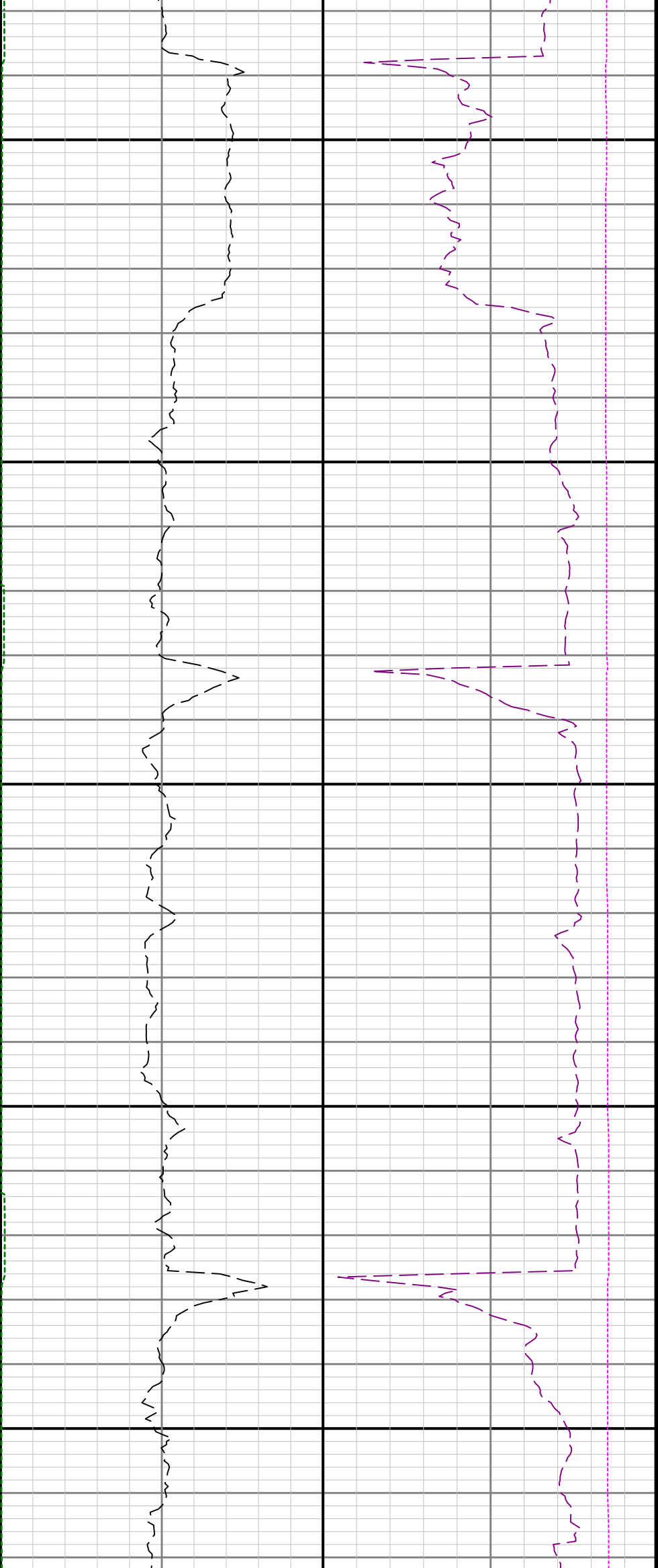
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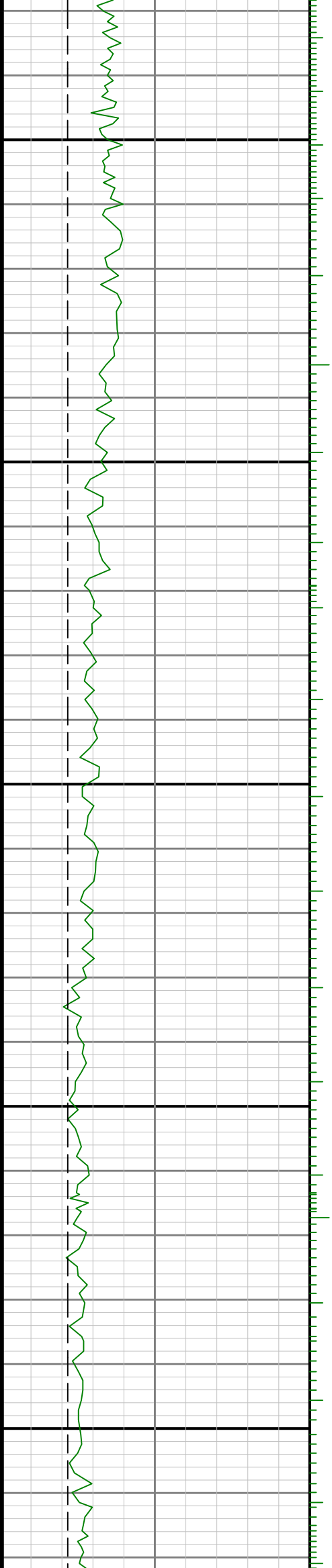
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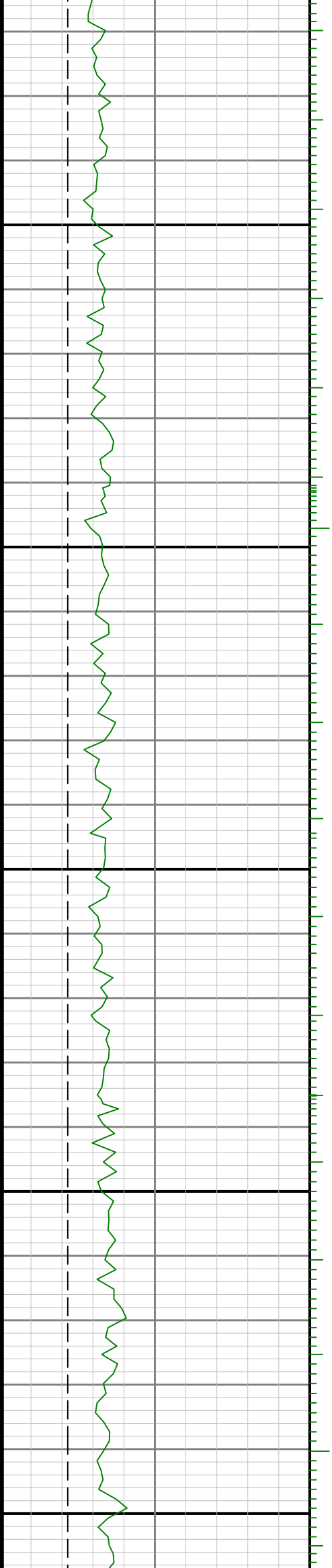






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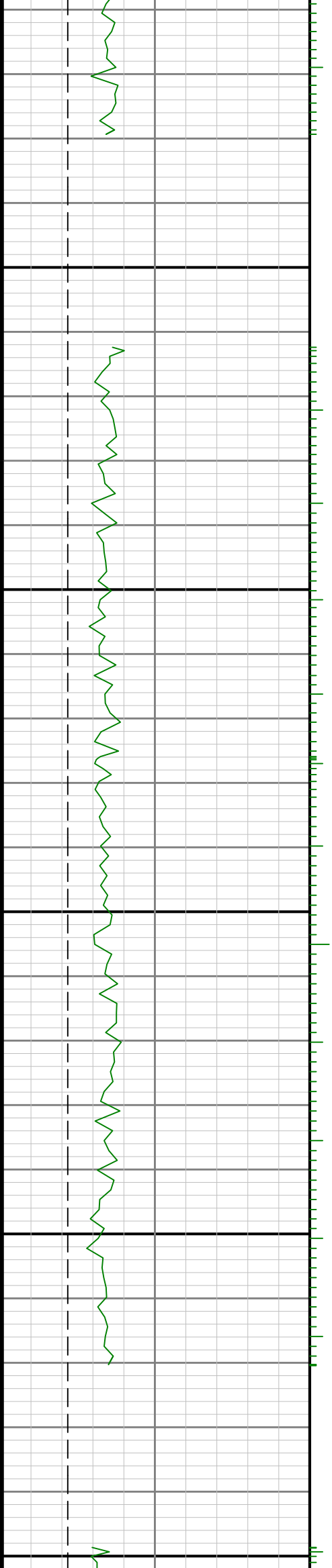


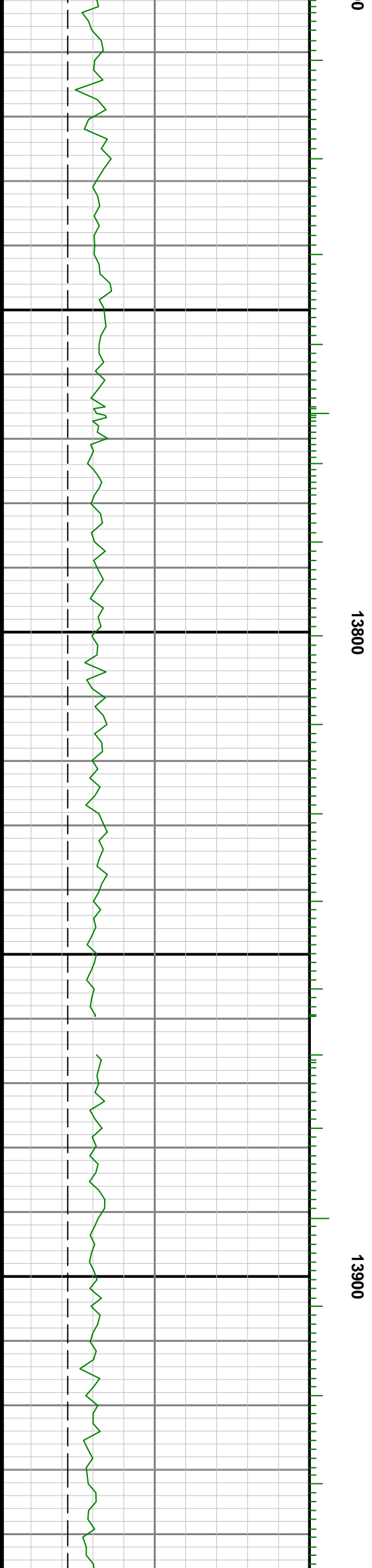
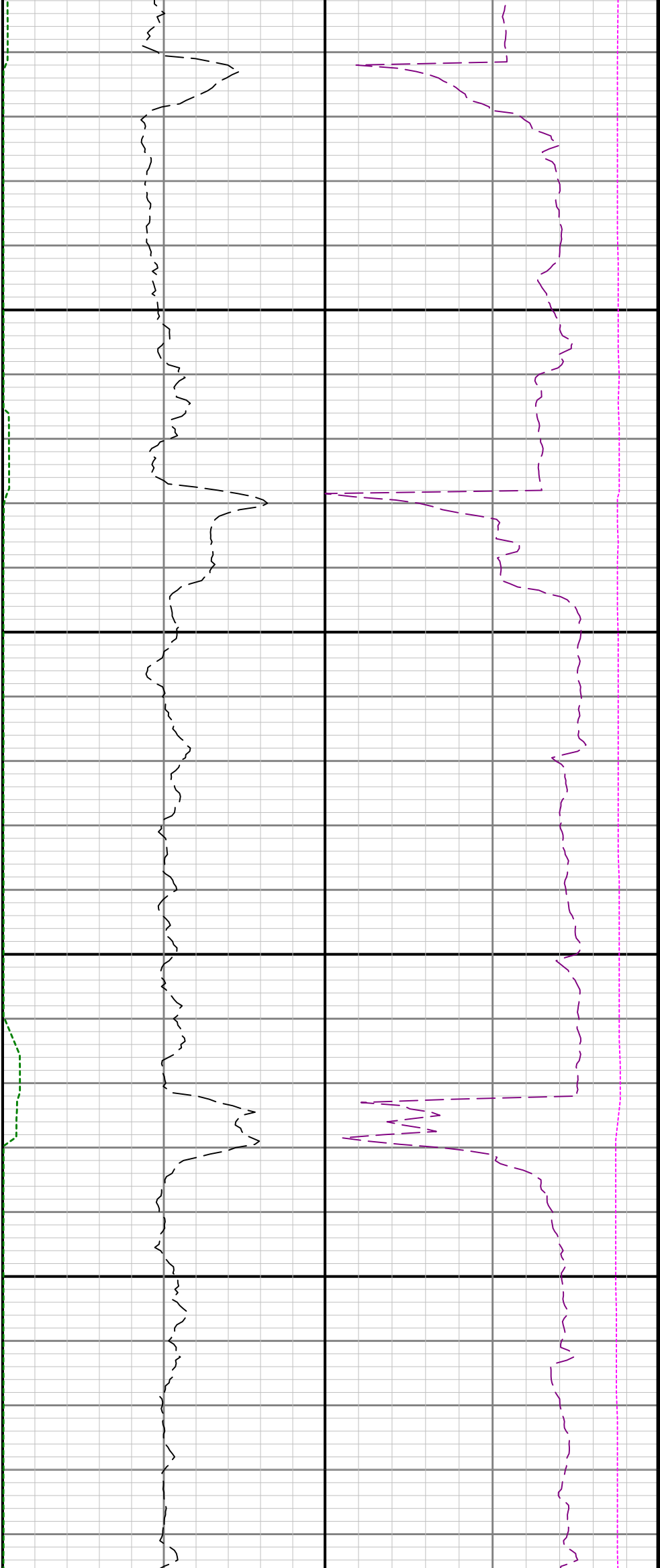


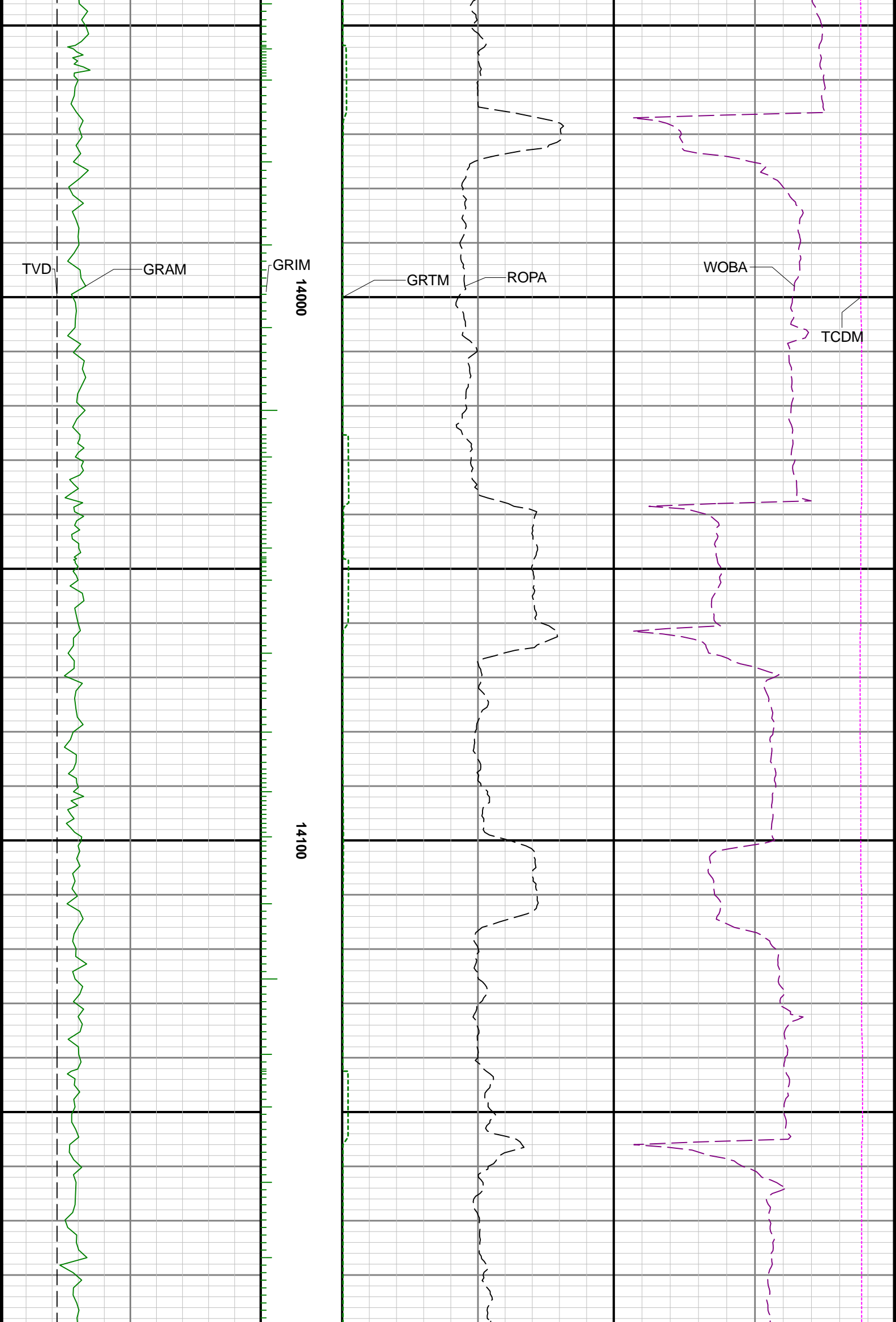
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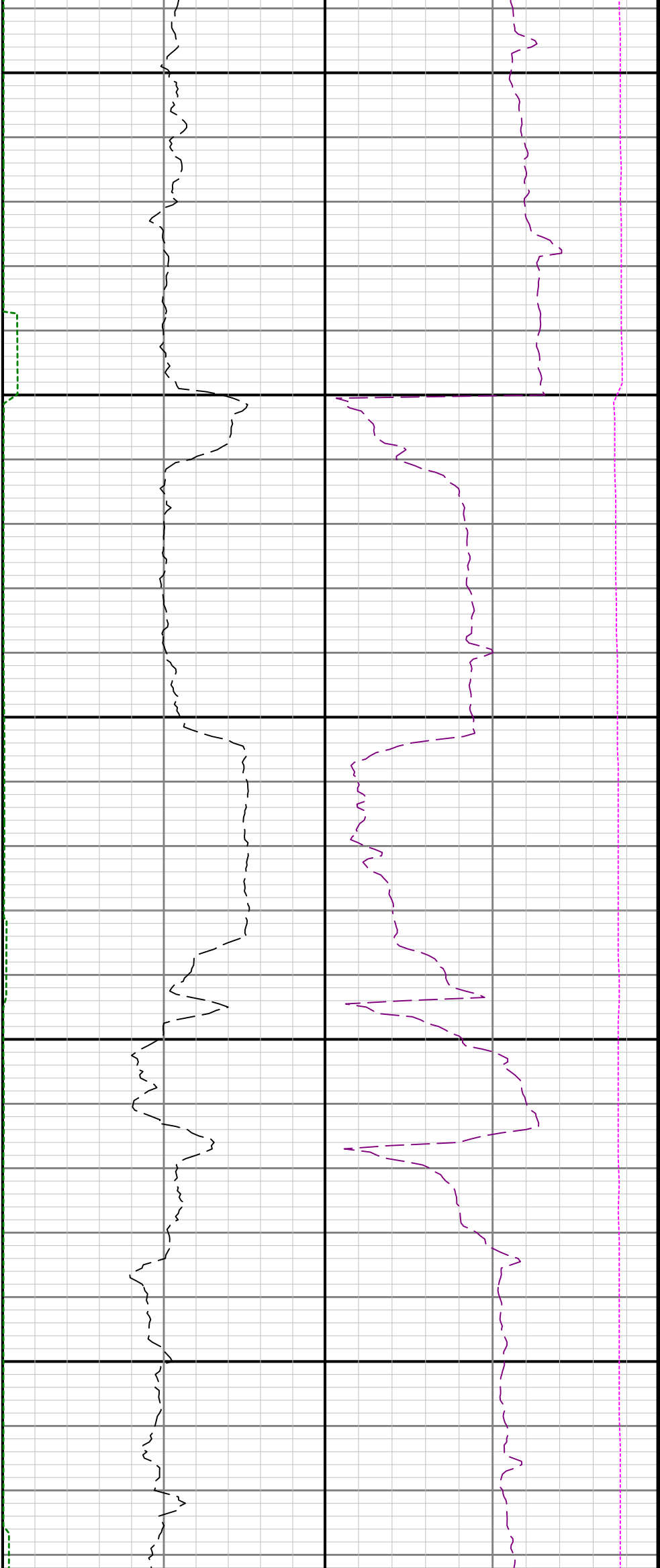
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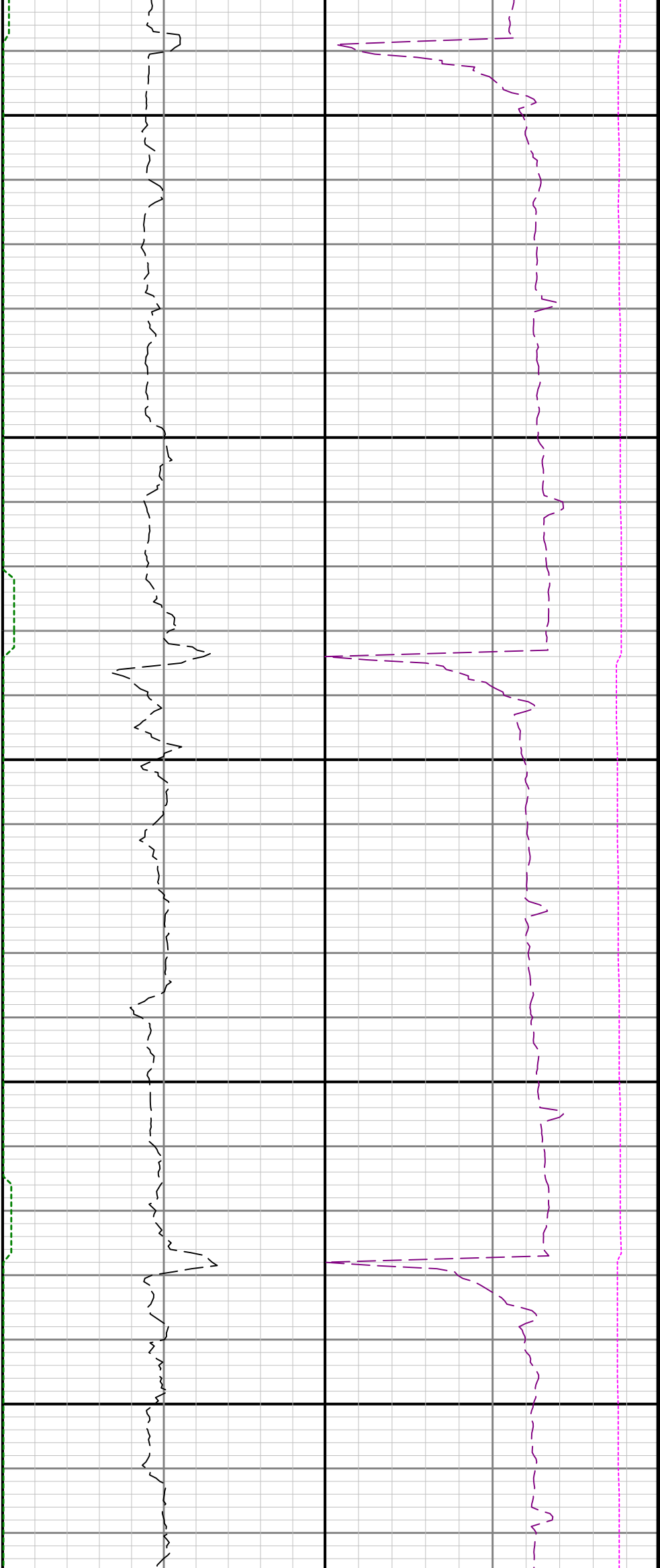




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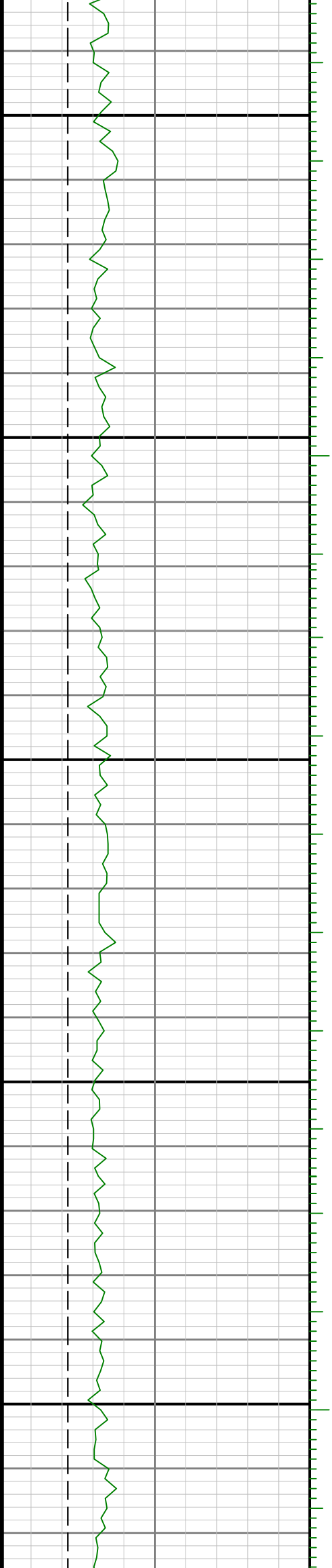
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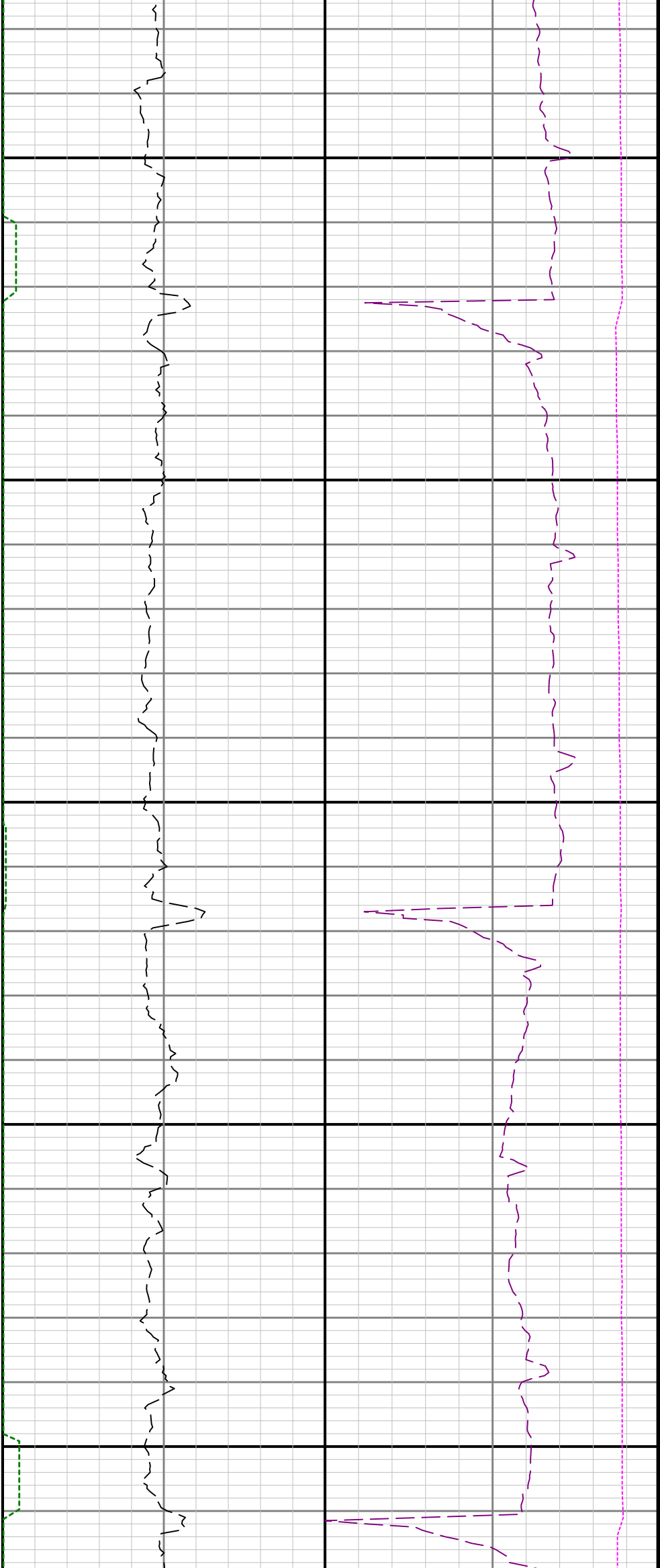
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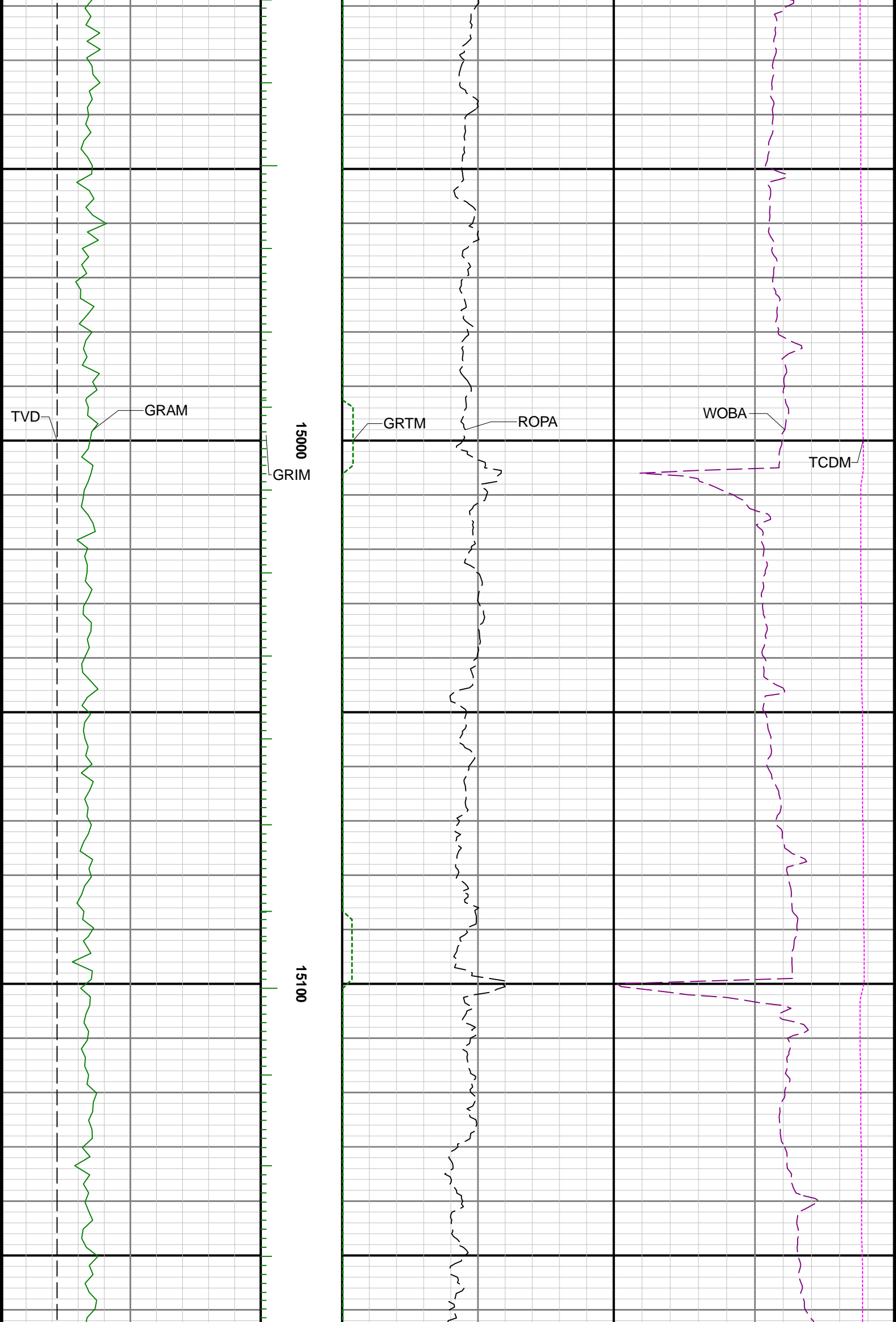




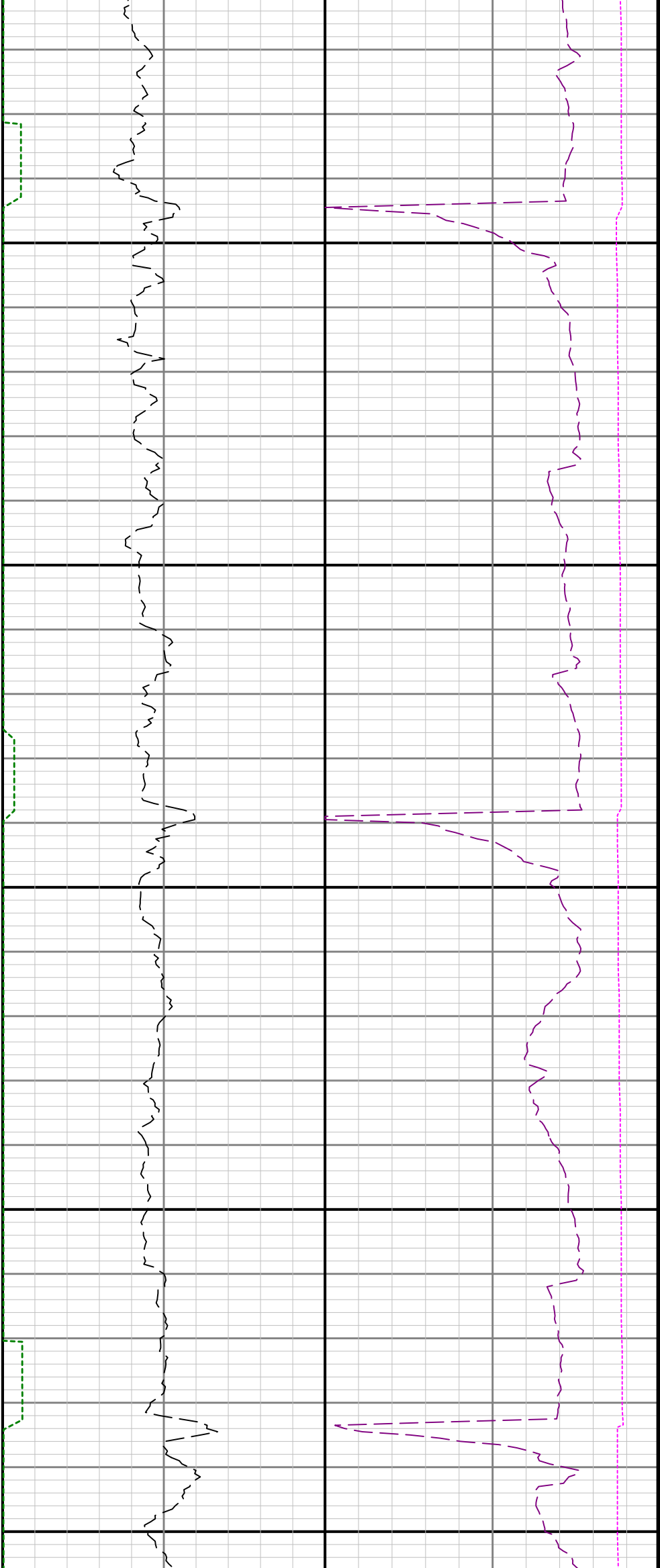
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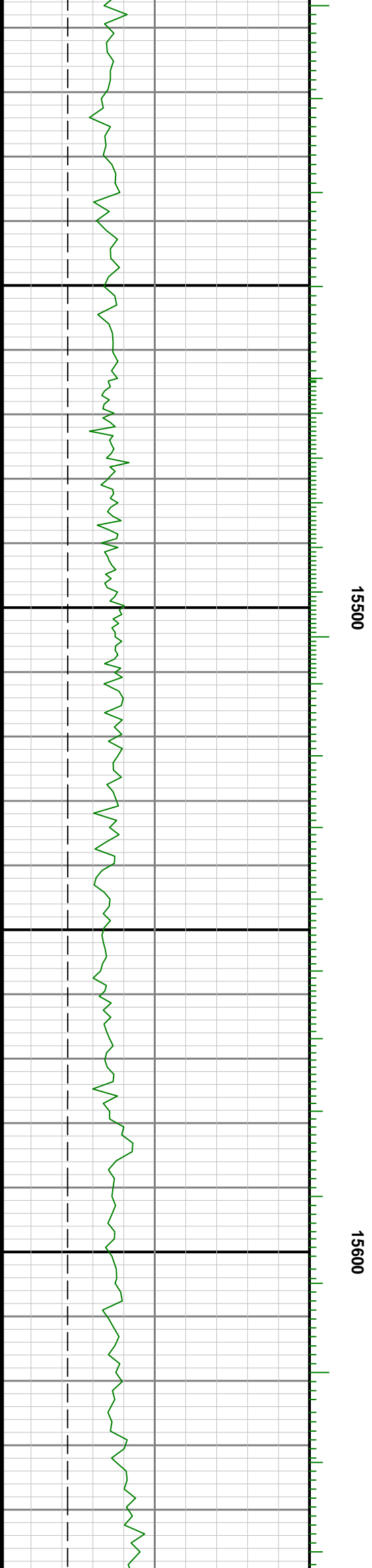
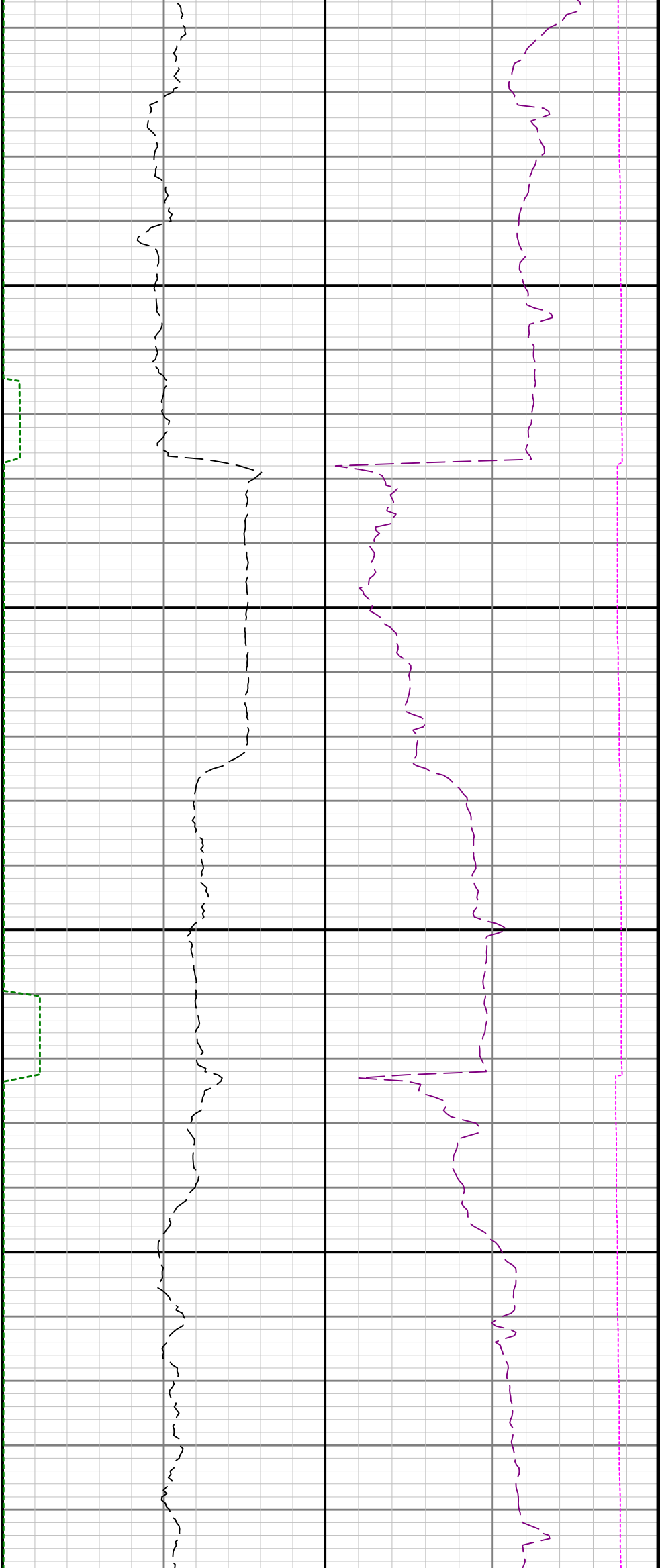


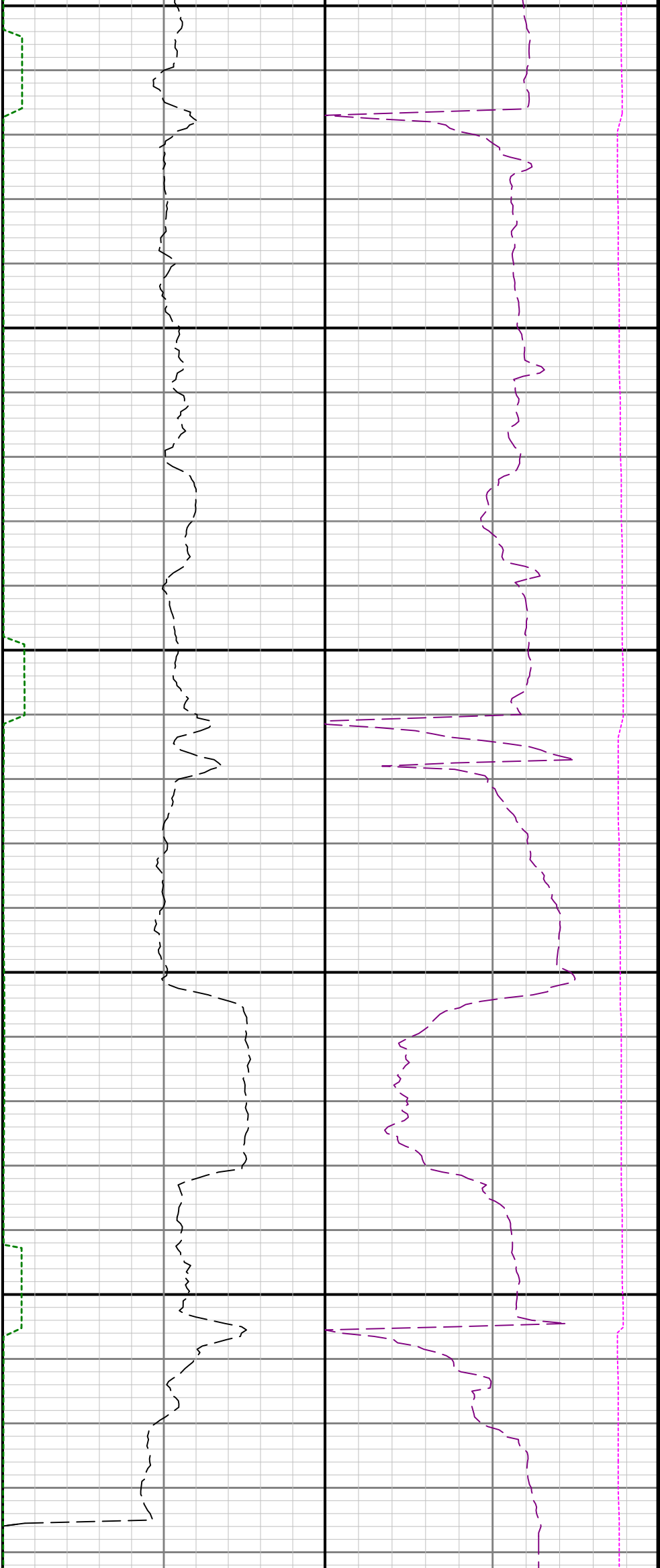


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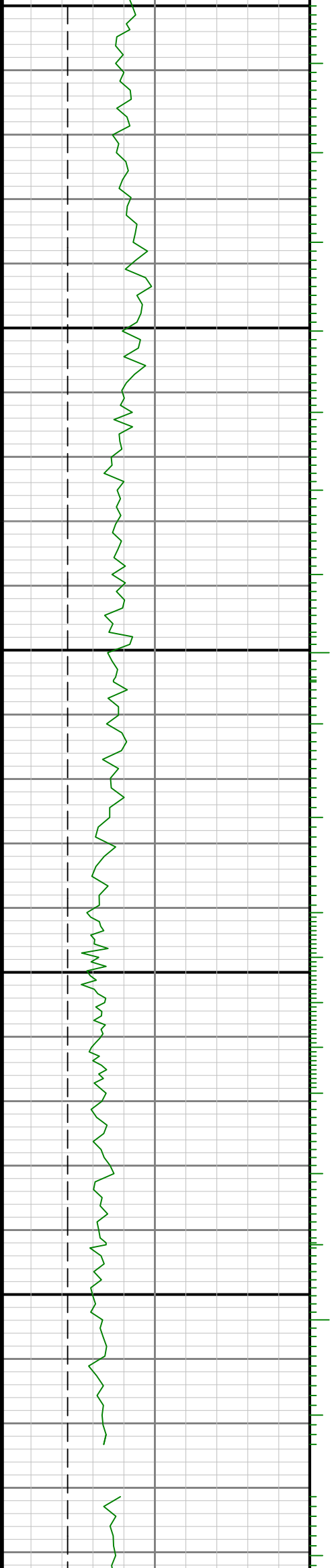
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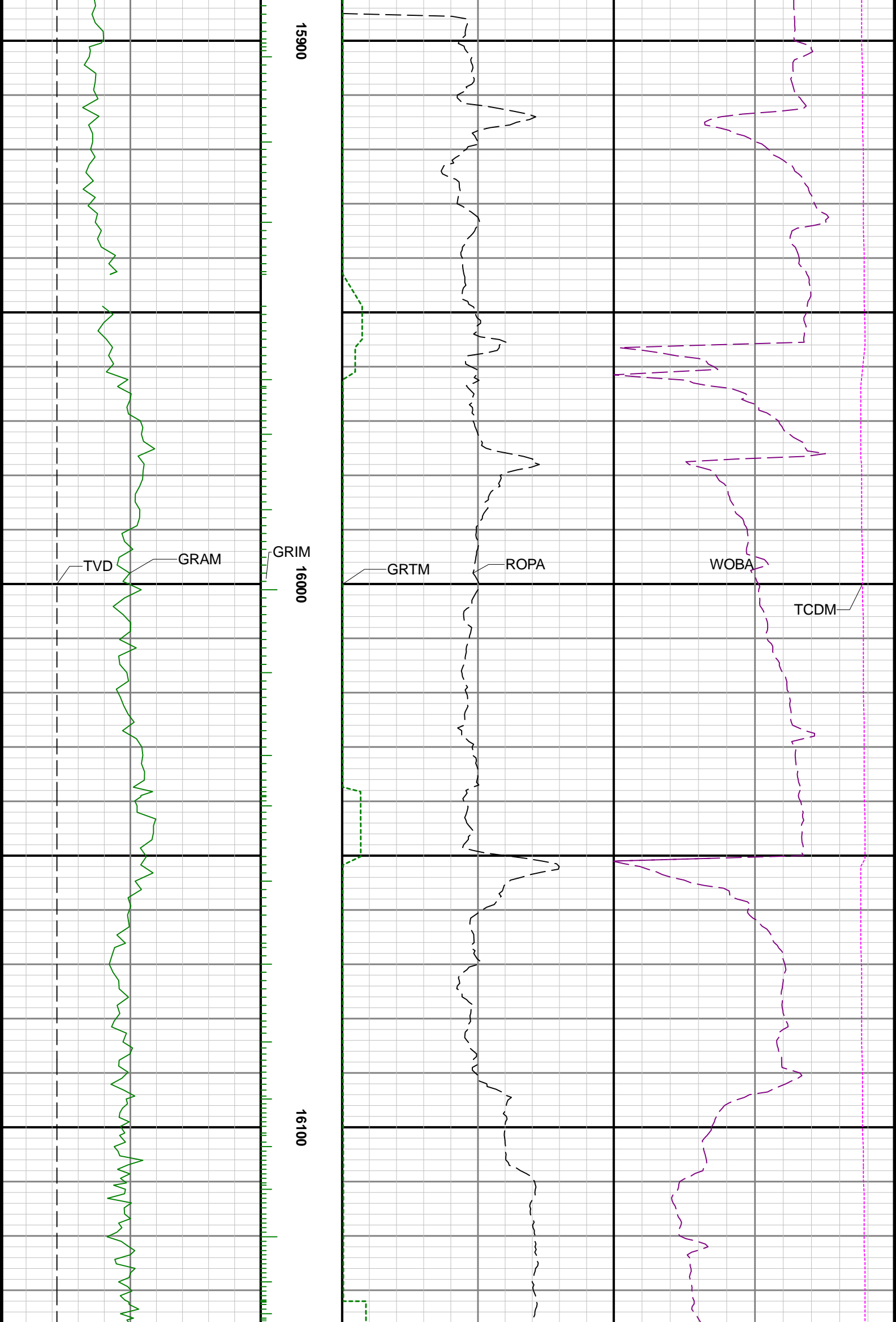


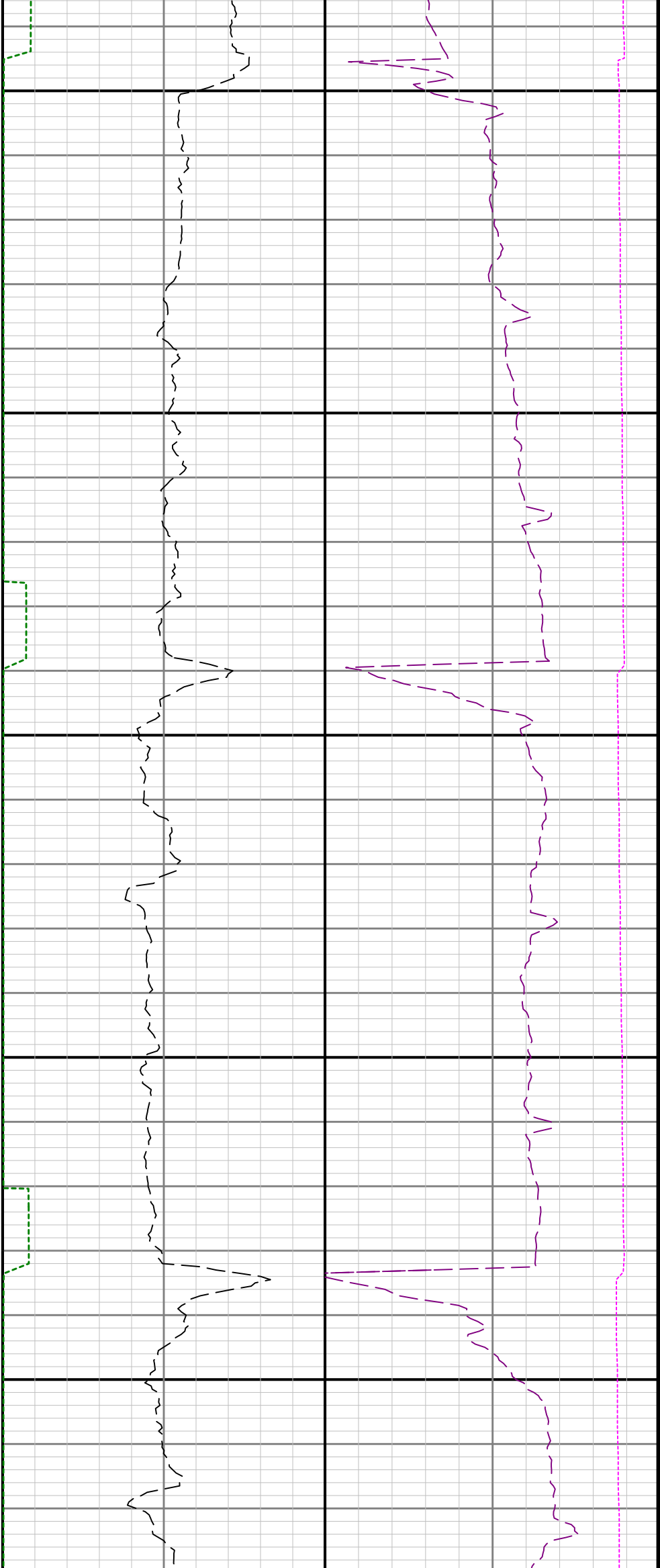


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15800

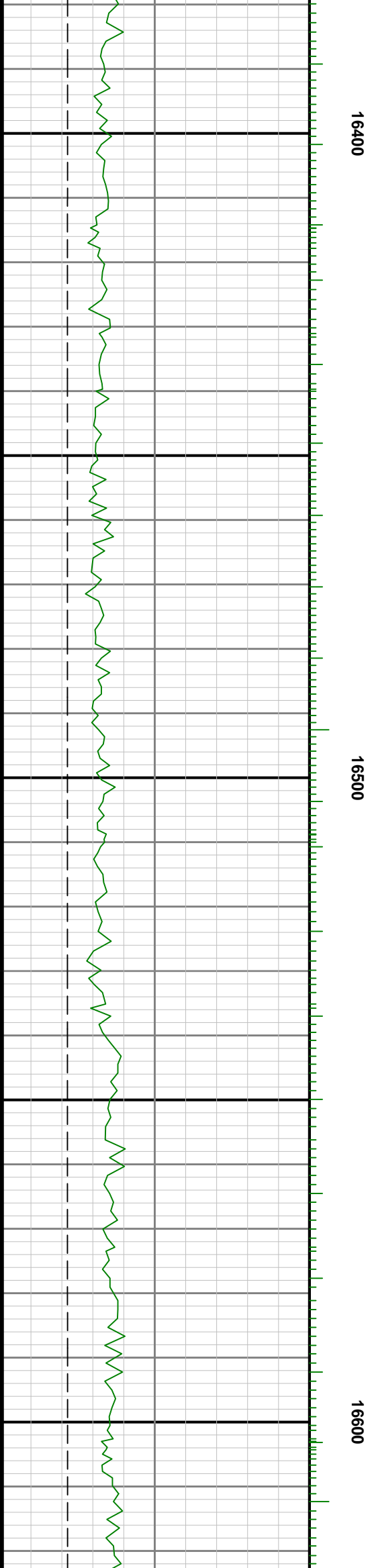
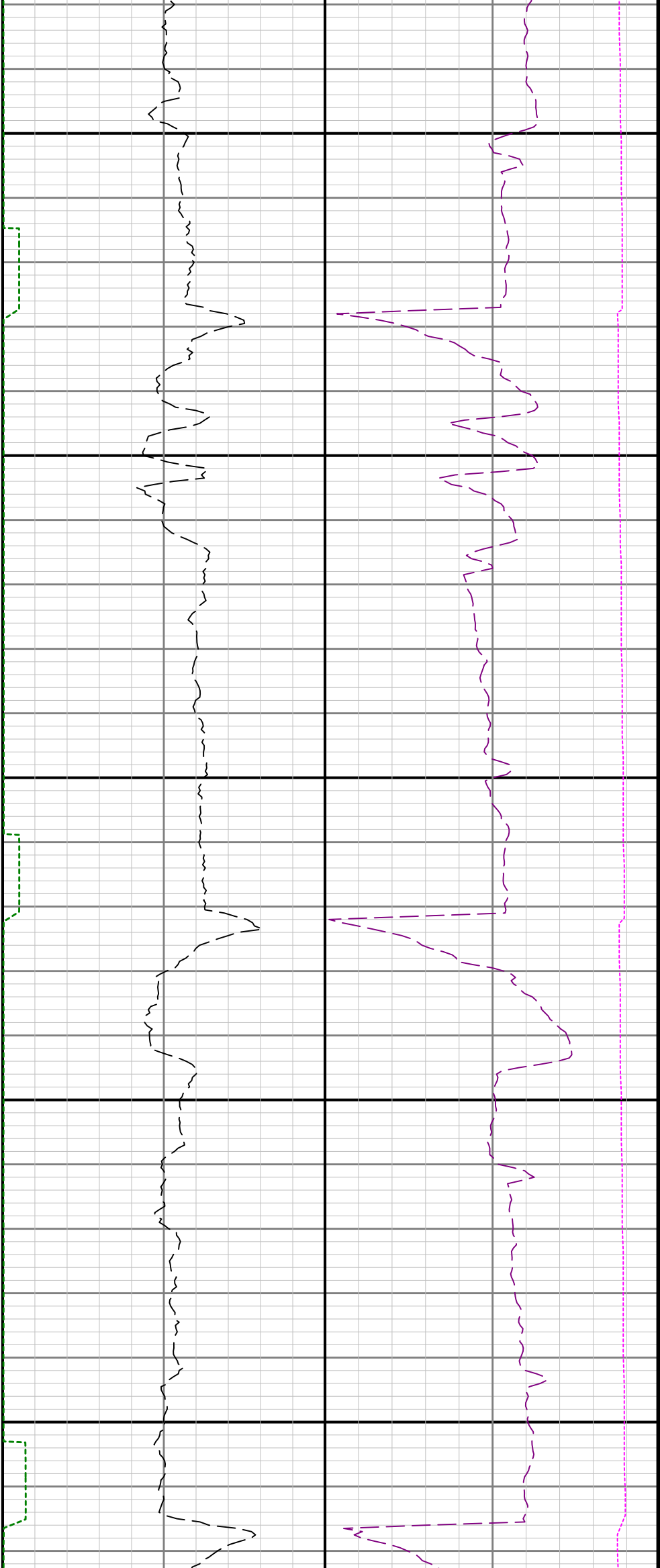


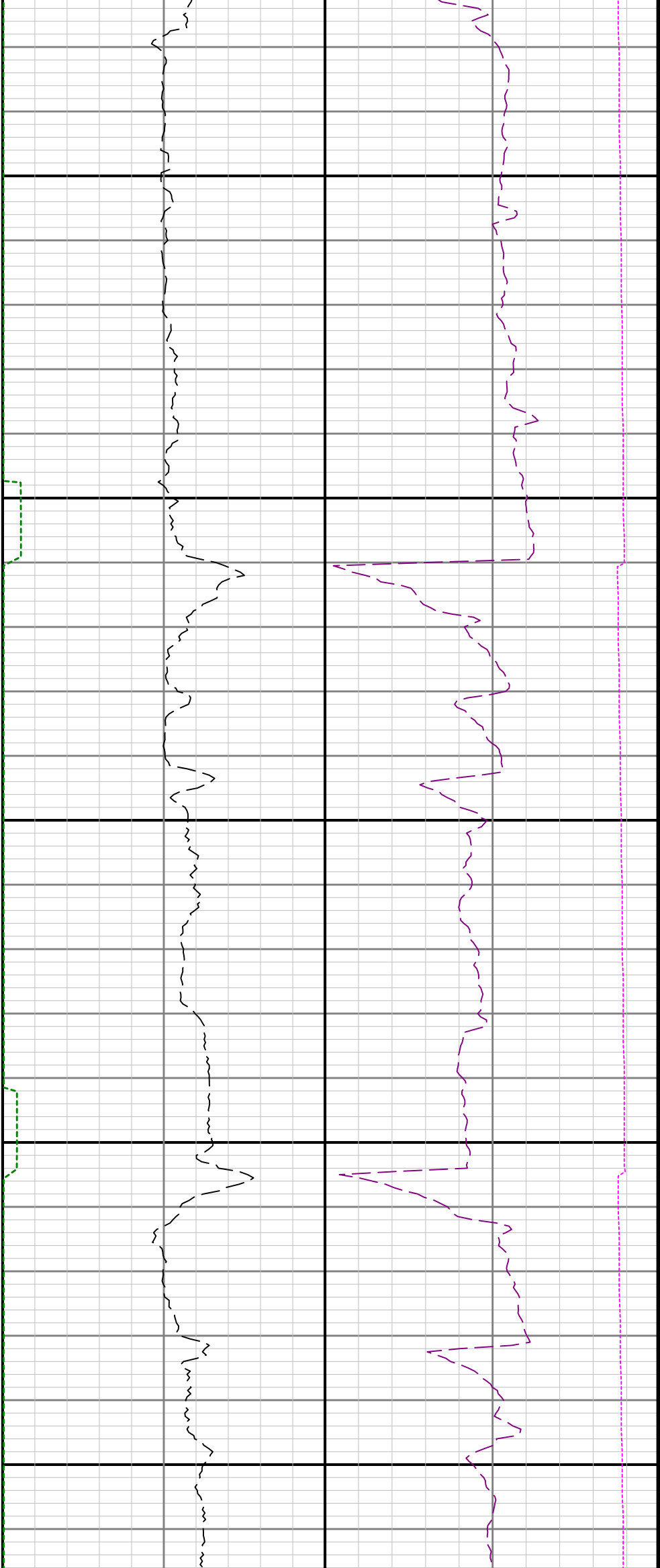




16200

16300





16700

16800

