

Service and Tool Mnemonics

Mnemonic	Name	Description
GAM	NaviGamma	Probe Based Gamma Module, NaviTrak Platform

Comments

- 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.
- Gamma Ray logging operations began at 1580 feet (1580 feet TVD).
- The interval from 6744 to 6807 feet MD (6031.0 to 6037.84 feet TVD) was logged more than 10 hours after being drilled to trip out of the hole for casing and cement operations.
- The interval from 11926 to 11989 feet MD (6042.94 to 6044.29 feet TVD) was not logged due to sensor to bit offset at TD.
- 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 sensor offset to correspond with Gamma data acquired while sliding.

Remarks

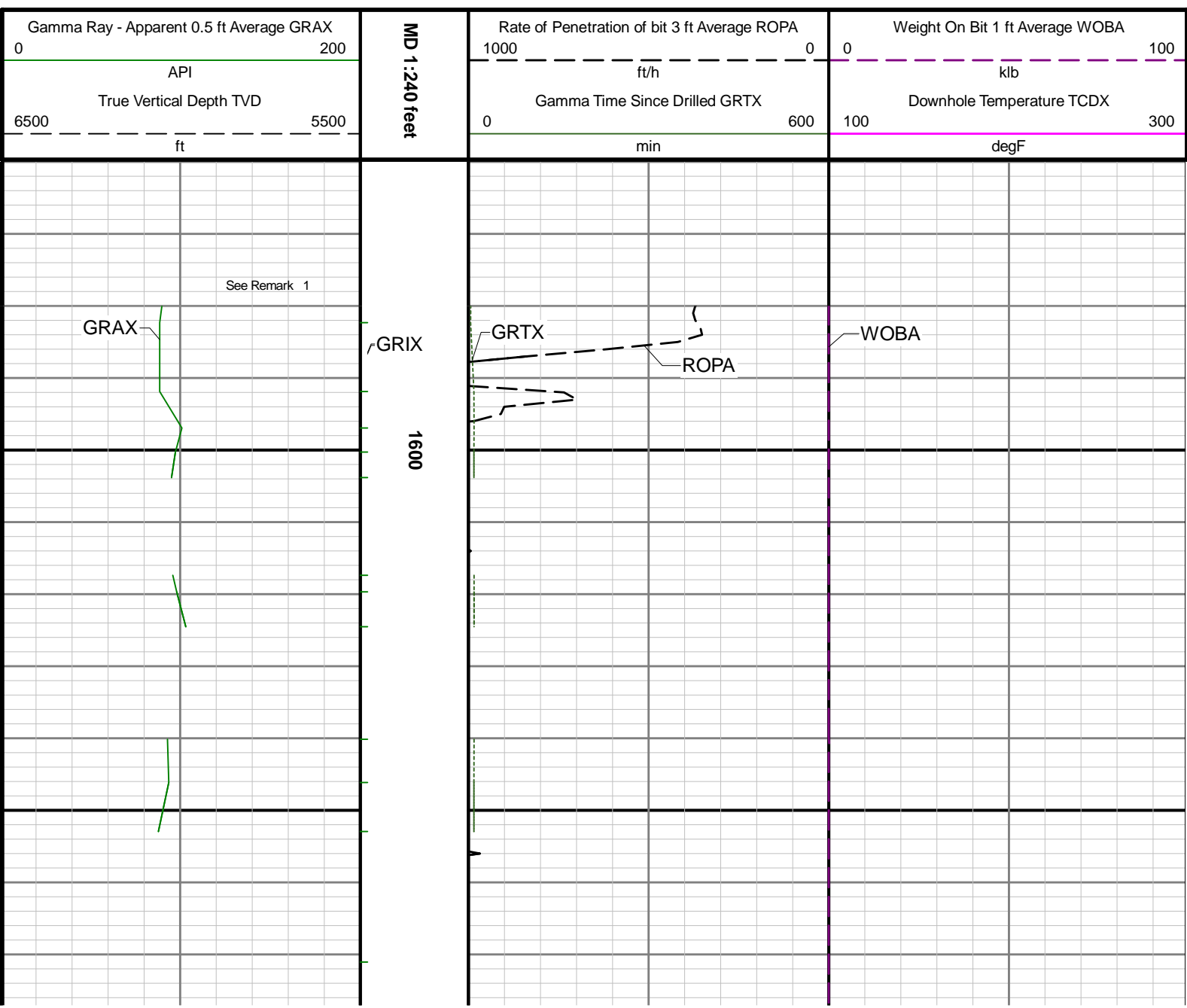
Number	Measured Depth (ft)	Hole Section (in)	Run No.	Remark
1	1580.00	8.750	2	Gamma Ray logging operations began at 1580 feet (1580 feet TVD).
2	6744.00	8.750	2	The interval from 6744 to 6807 feet MD (6031.0 to 6037.84 feet TVD) was logged more than 10 hours after being drilled to trip out of the hole for casing and cement operations.
3	11926.00	6.125	3	The interval from 11926 to 11989 feet MD (6042.94 to 6044.29 feet TVD) was not logged due to sensor to bit offset at TD.

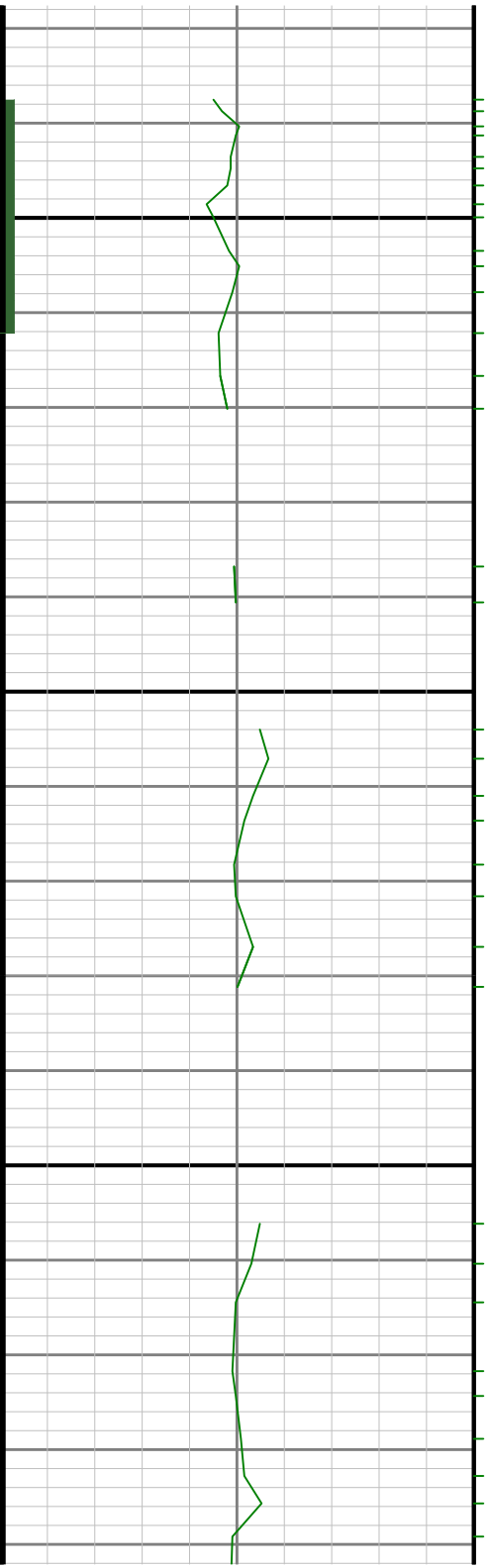
Curve Mnemonics

Presented Curves	Description	Units
ROPA	Depth Averaged ROP 3 ft Average	ft/h
GRAX	Gamma Ray - Apparent 0.5 ft Average	API
GRIX	Gamma Ray - Data Point Indicator	unitless
GRTX	Gamma Time Since Drilled	min
GRSI	Sliding Indicator Flag	unitless
TCDX	Downhole Temperature	degF
TVD	True Vertical Depth	ft
WOBA	Weight On Bit, Average 1 ft Average	klb

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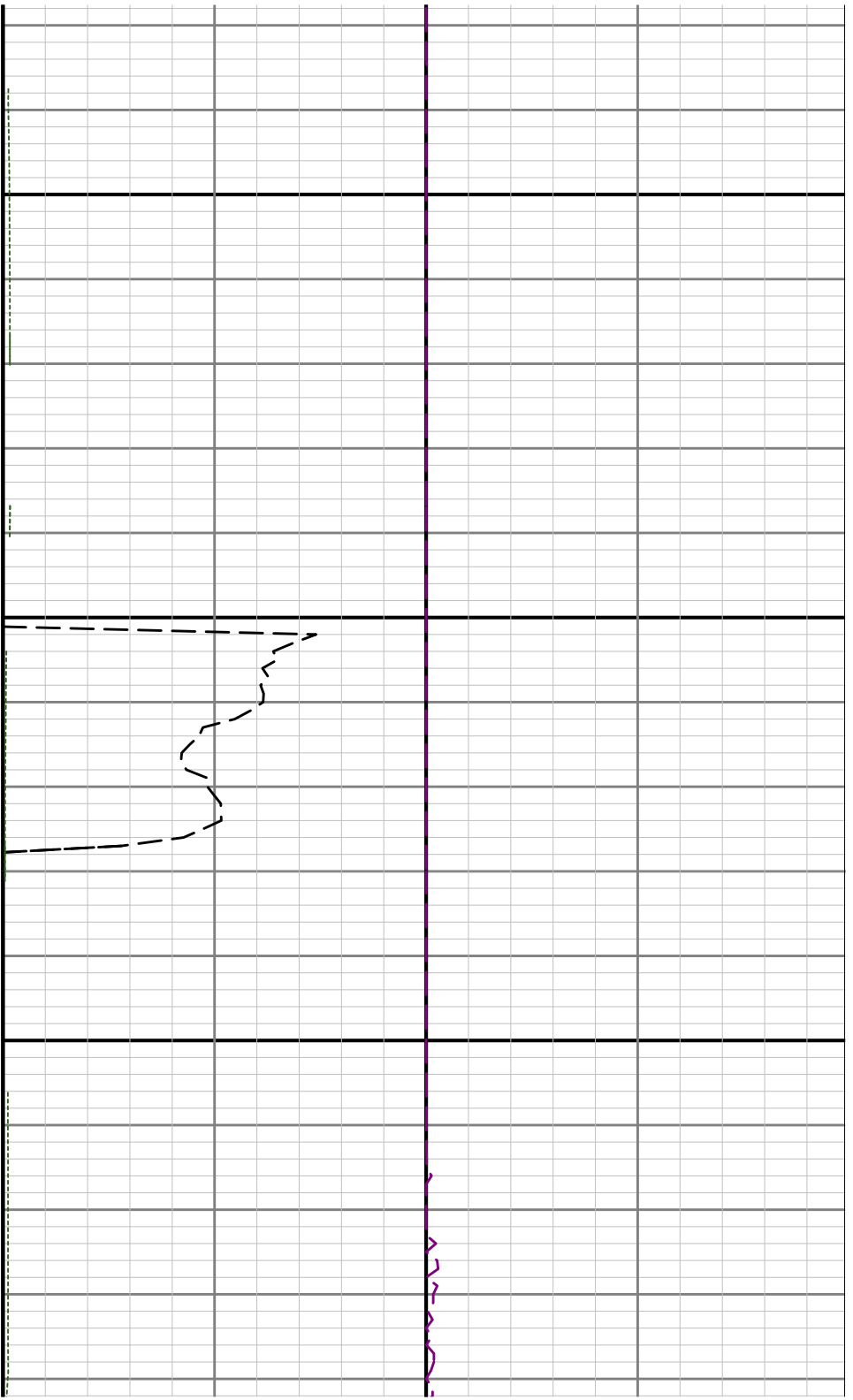
defend and indemnify Baker Hughes, its parent, subsidiaries and affiliated or related entities, and subcontractors, together with its and their officers, directors, employees, agents and invitees against, any and all claims, losses, damages, or expenses sustained by the customer or any third party arising out of reliance upon or use of the Interpretations, without regard to the cause(s) thereof, including without limitation any form of negligence on the part of Baker Hughes. Unless other contract terms have been agreed to by the parties, each party's liabilities and

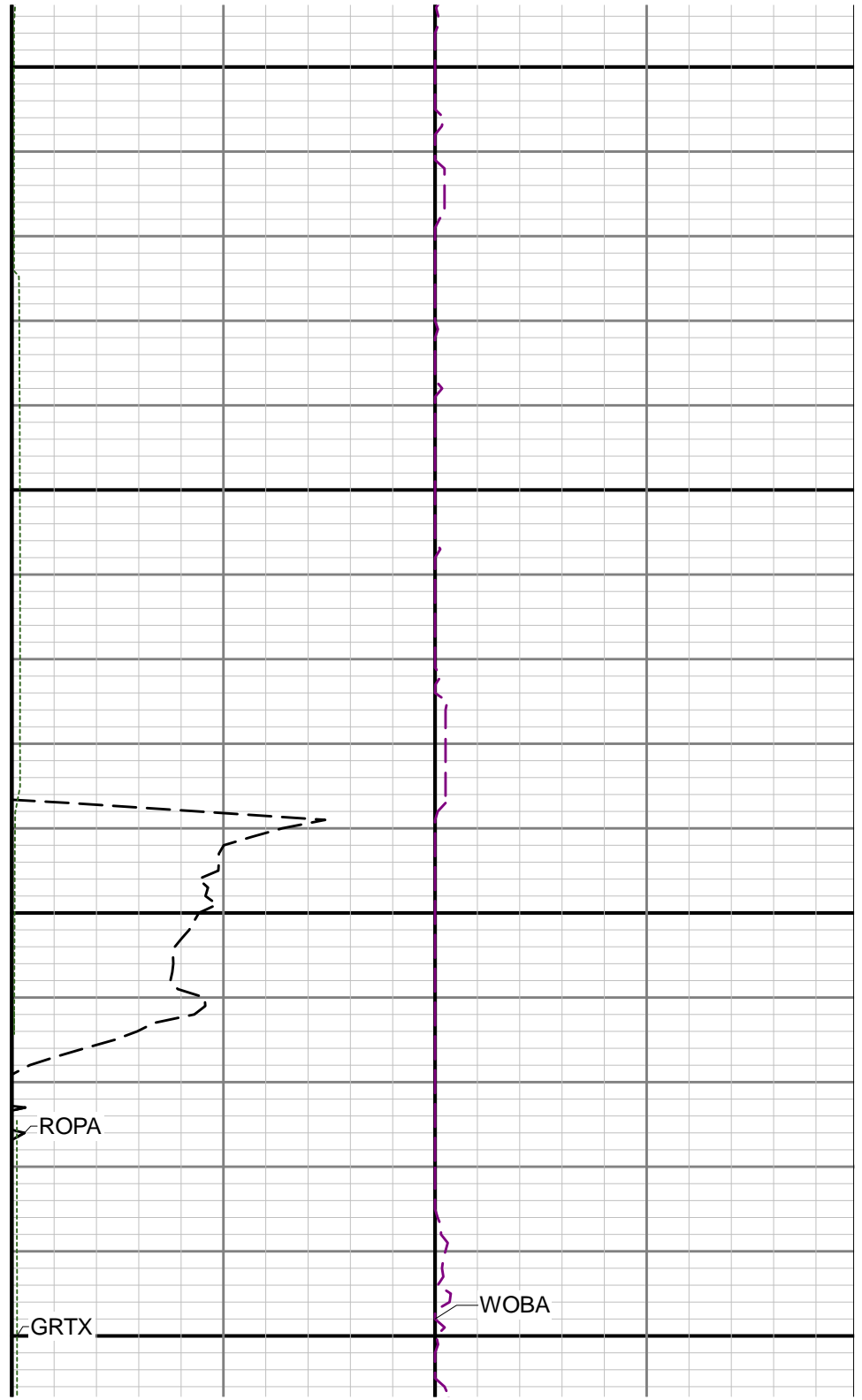
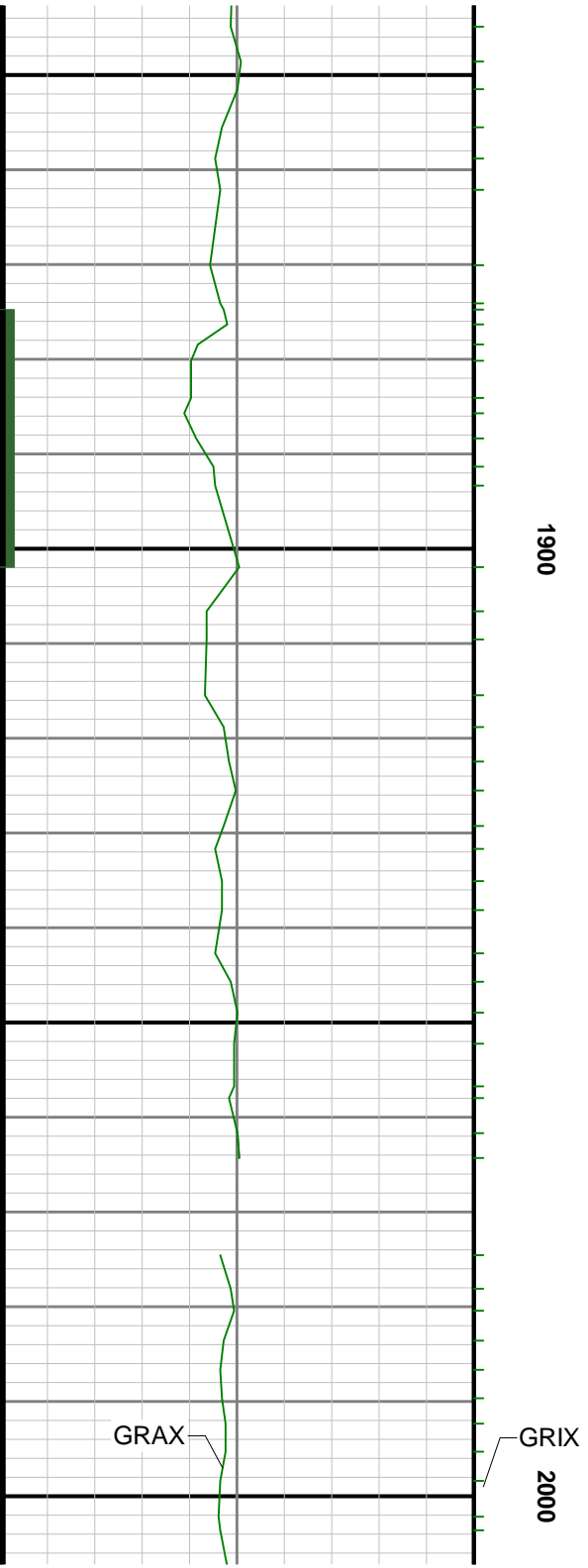


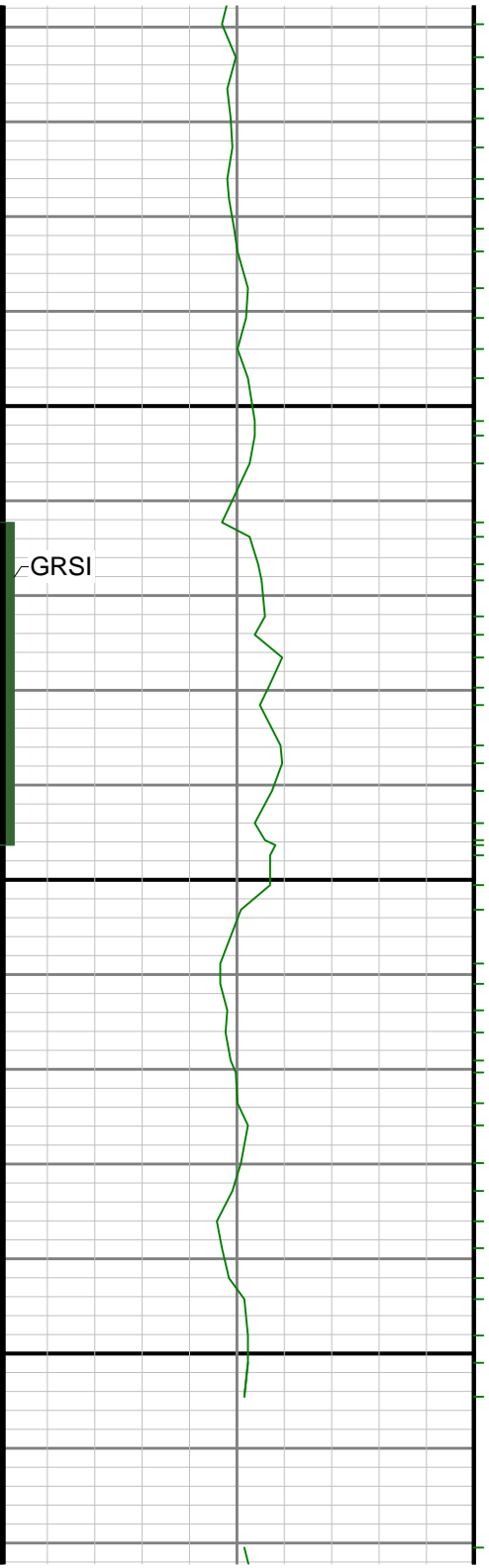


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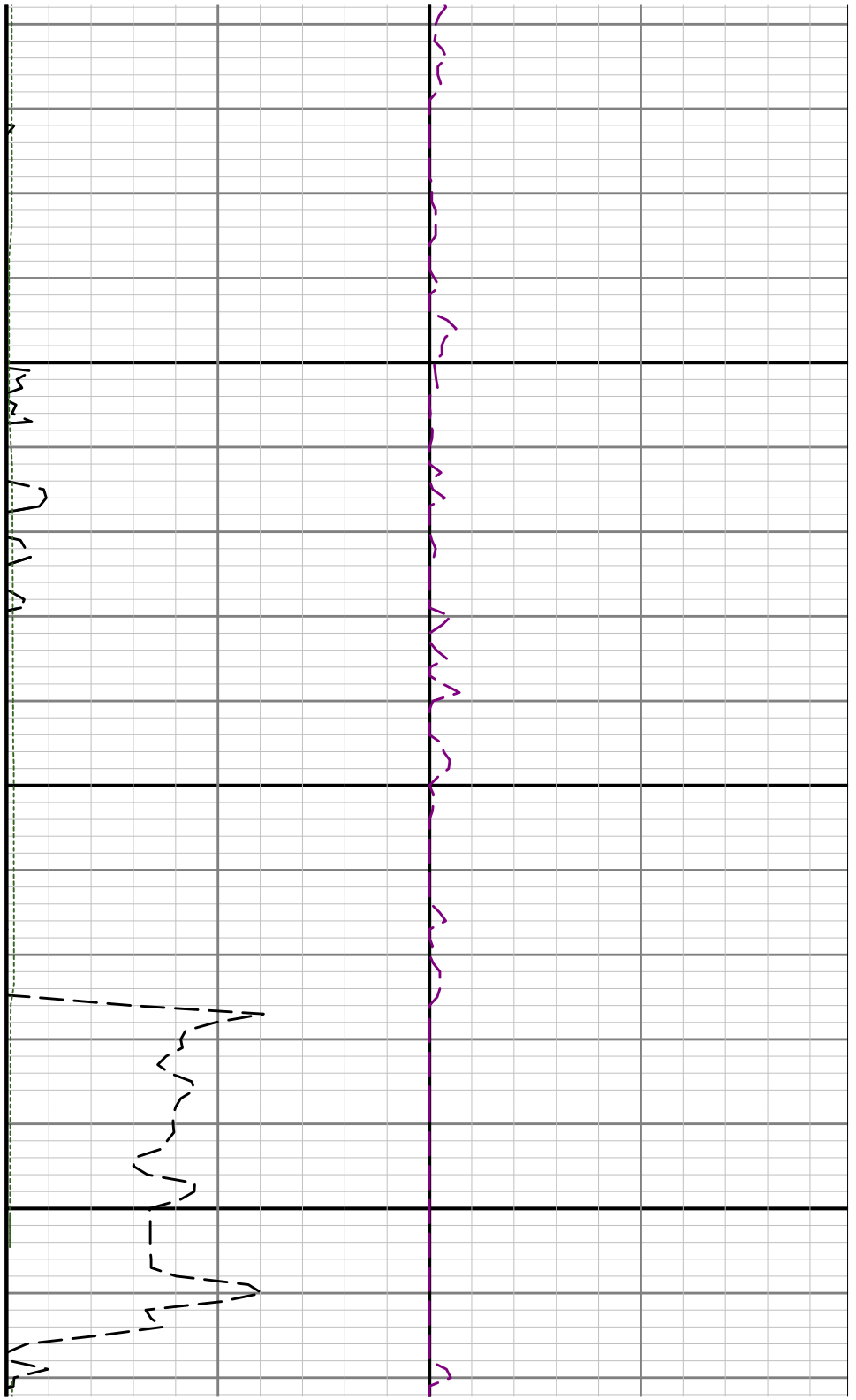
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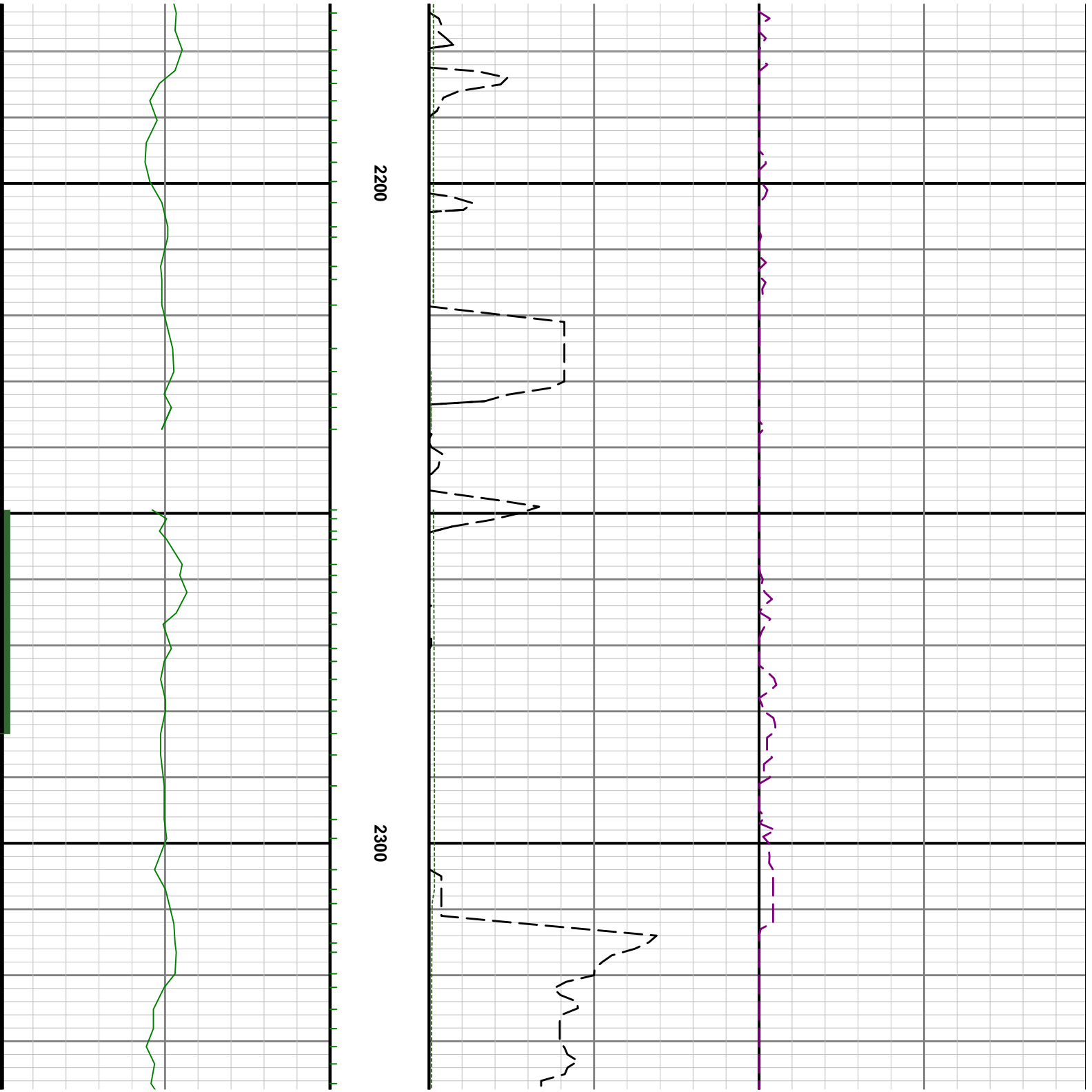


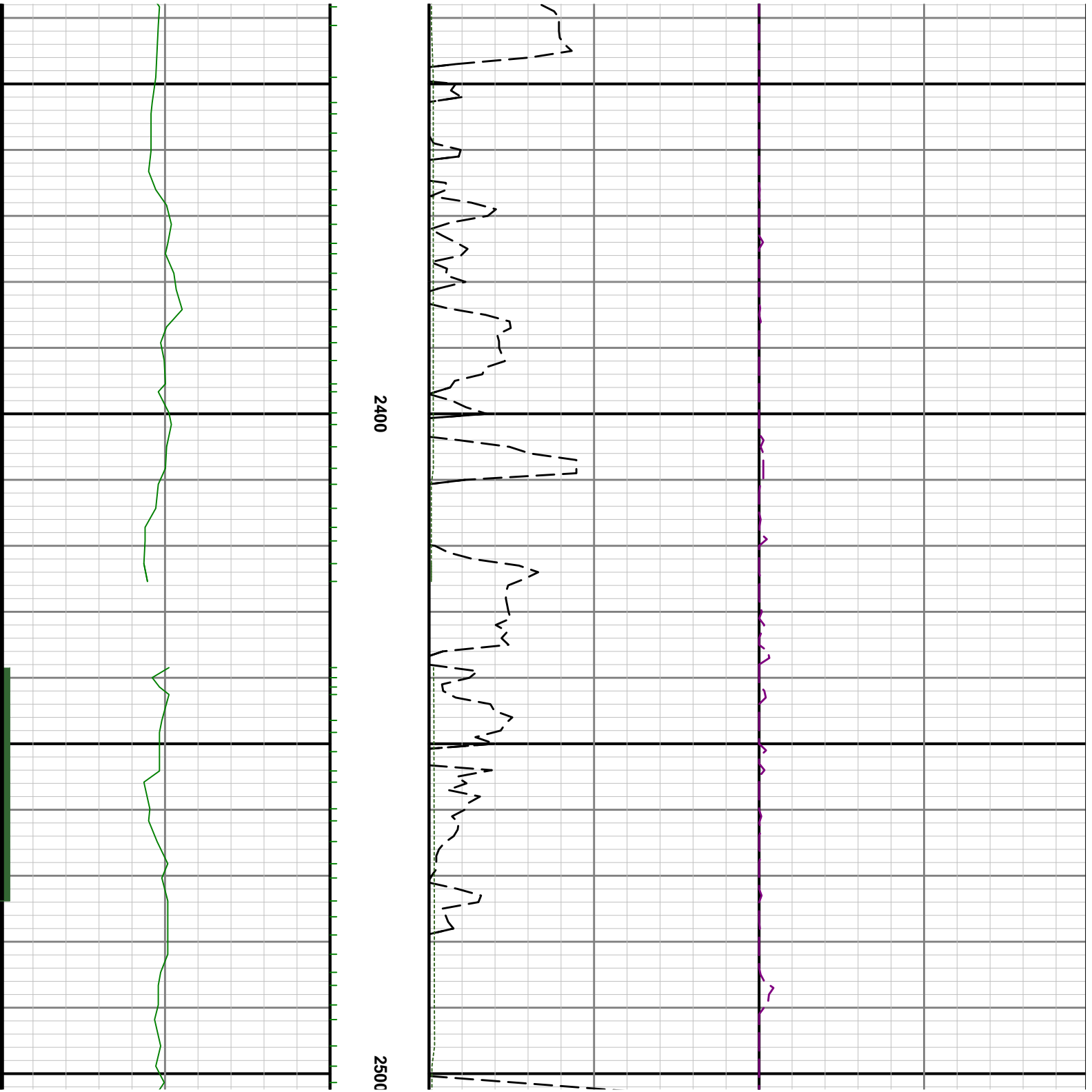


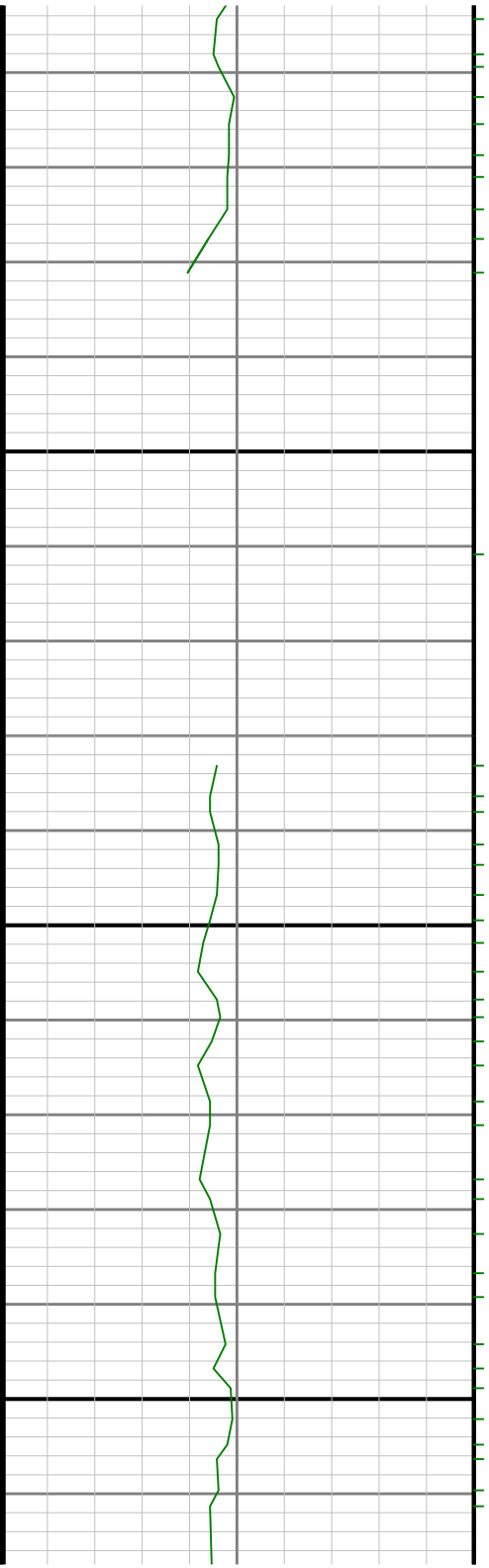


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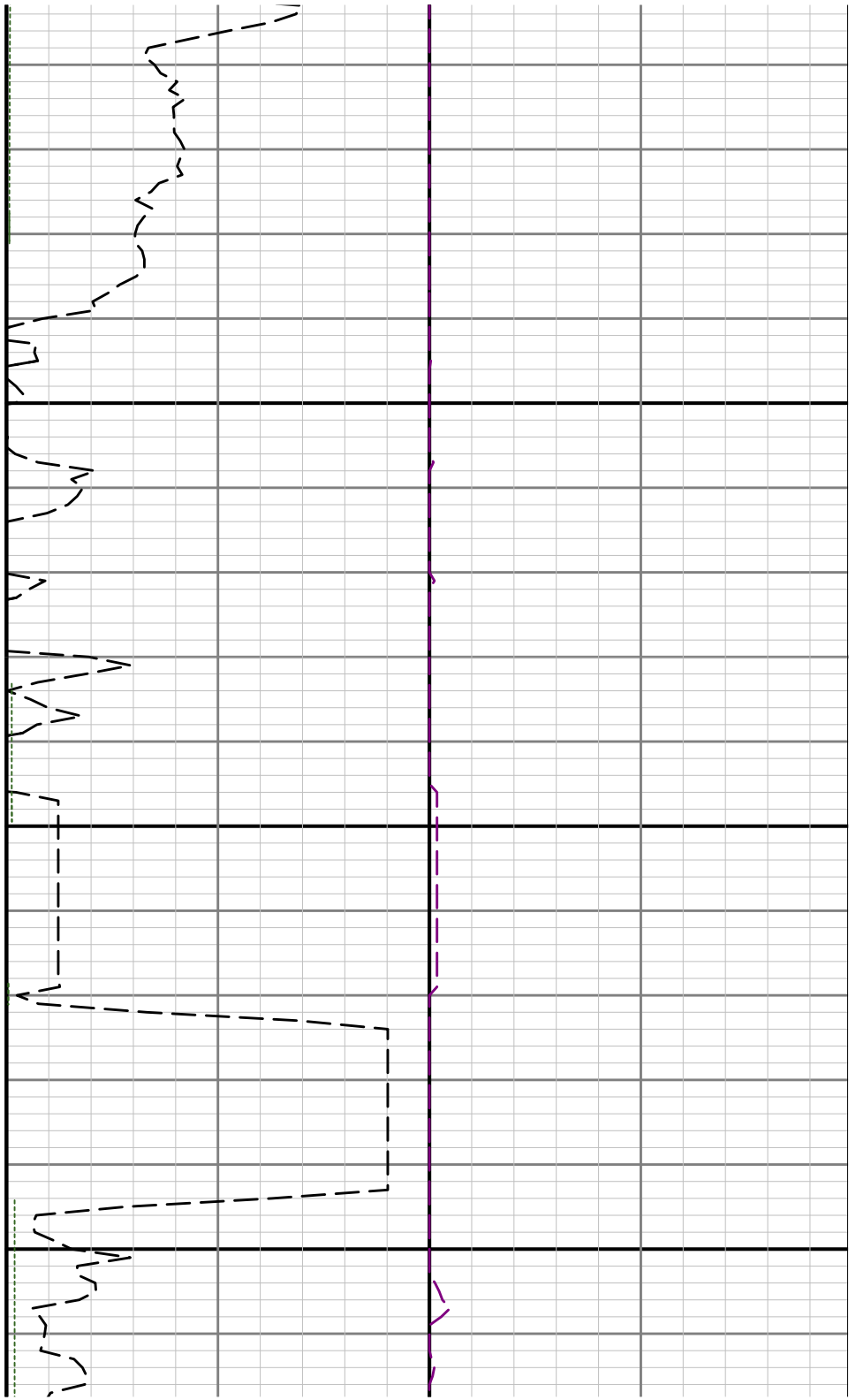


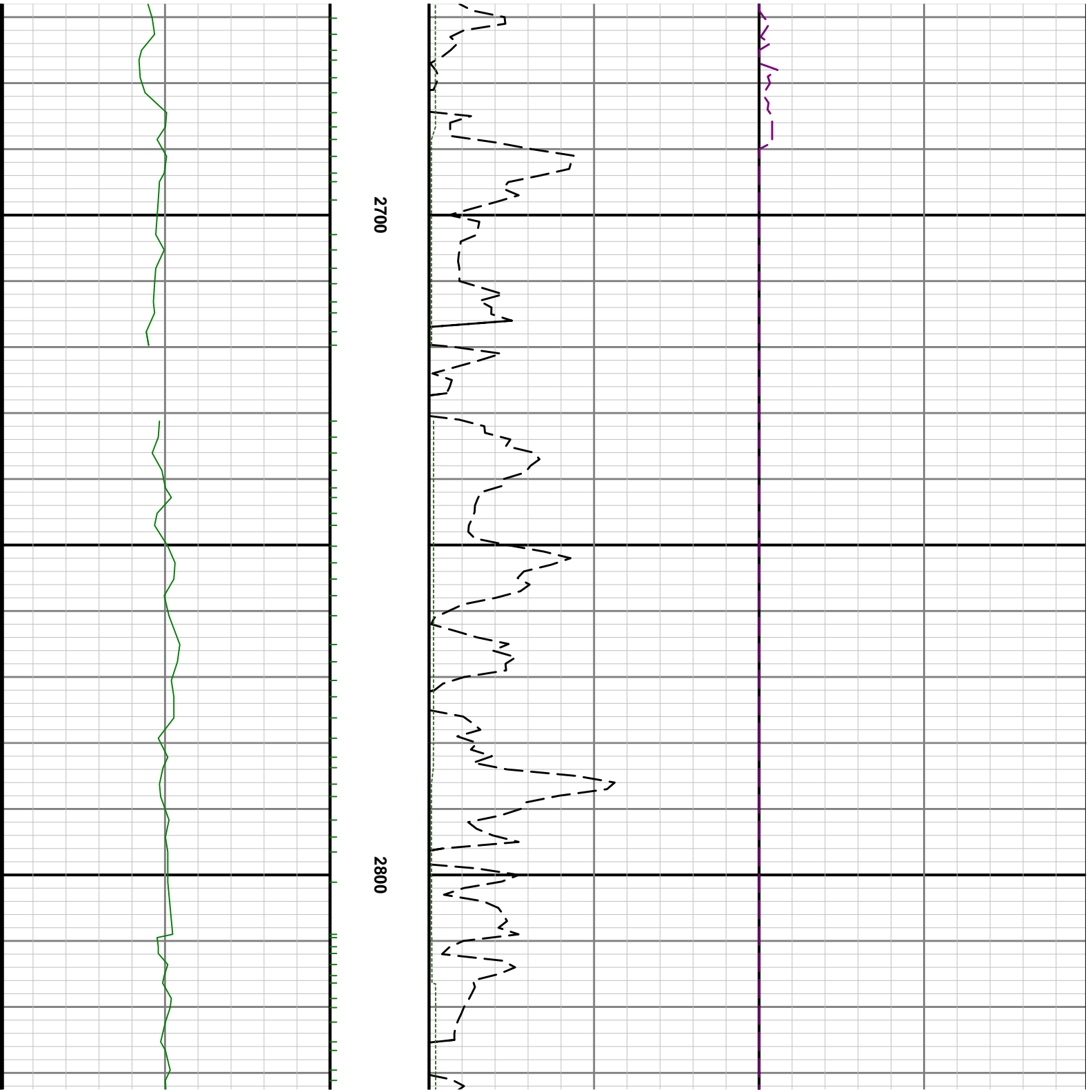






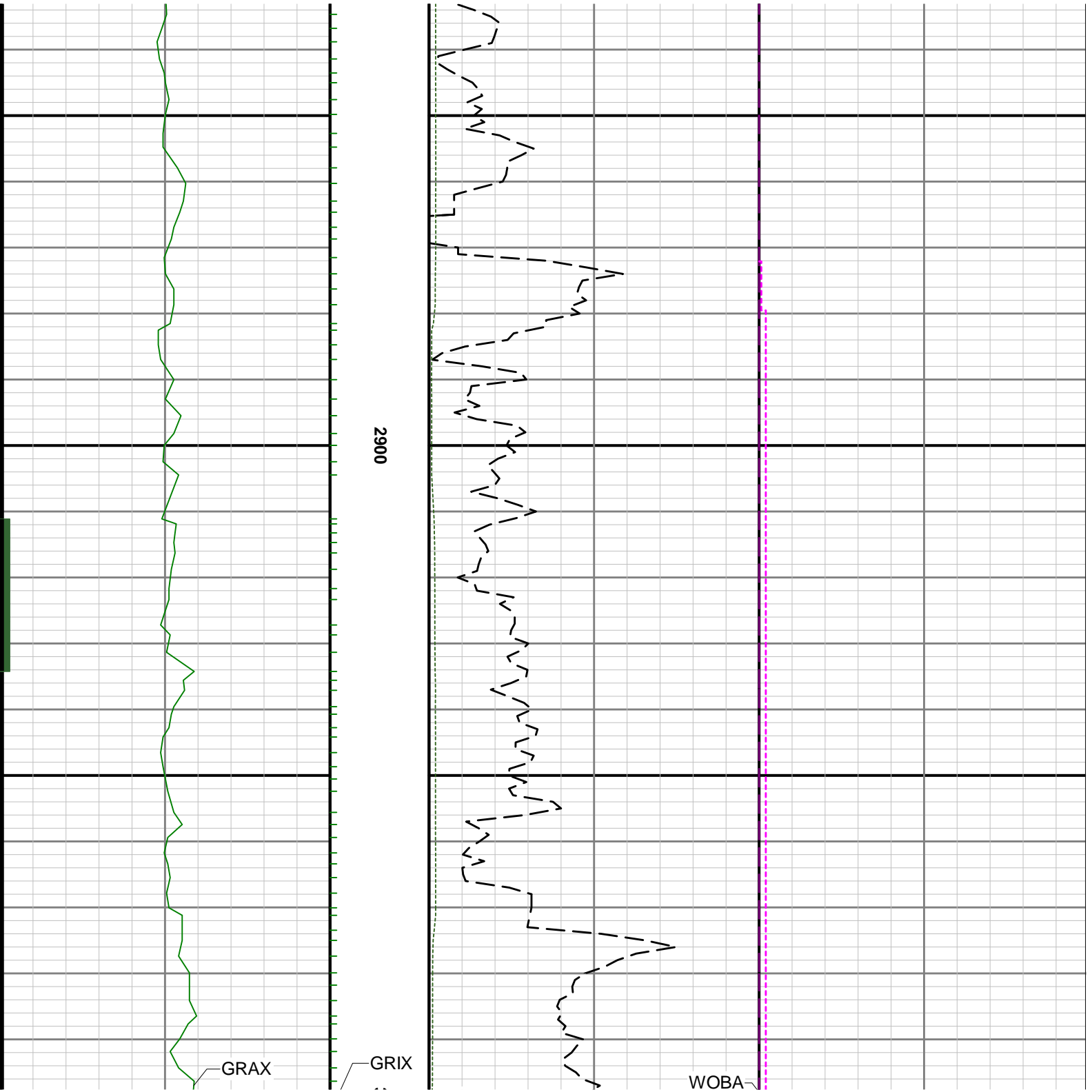
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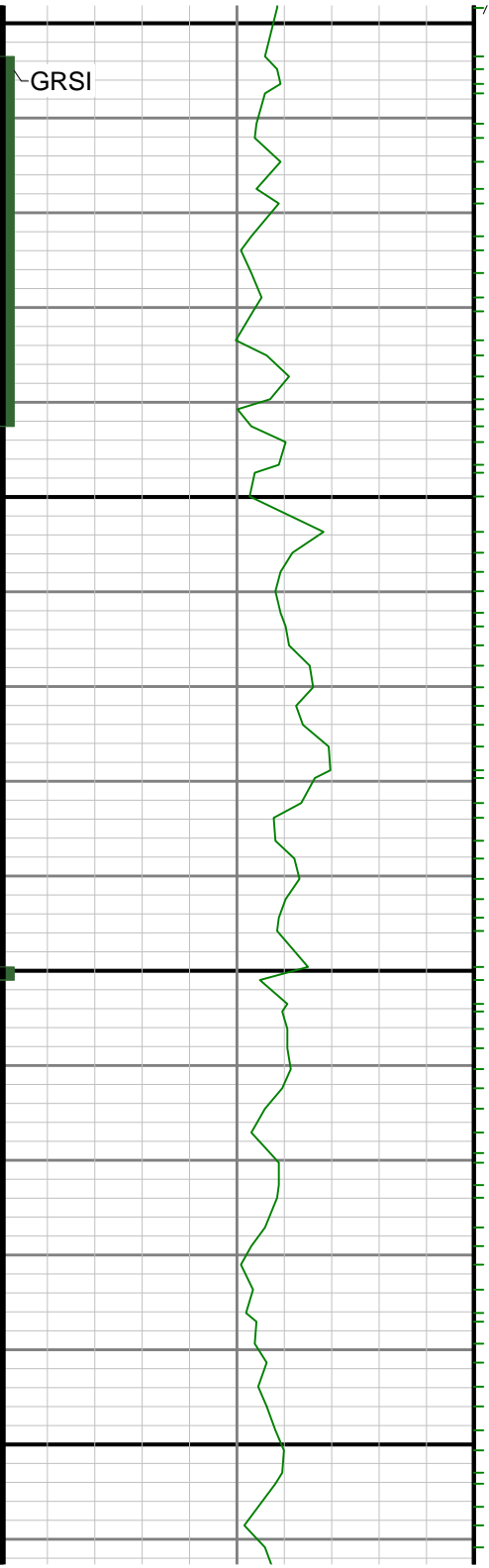




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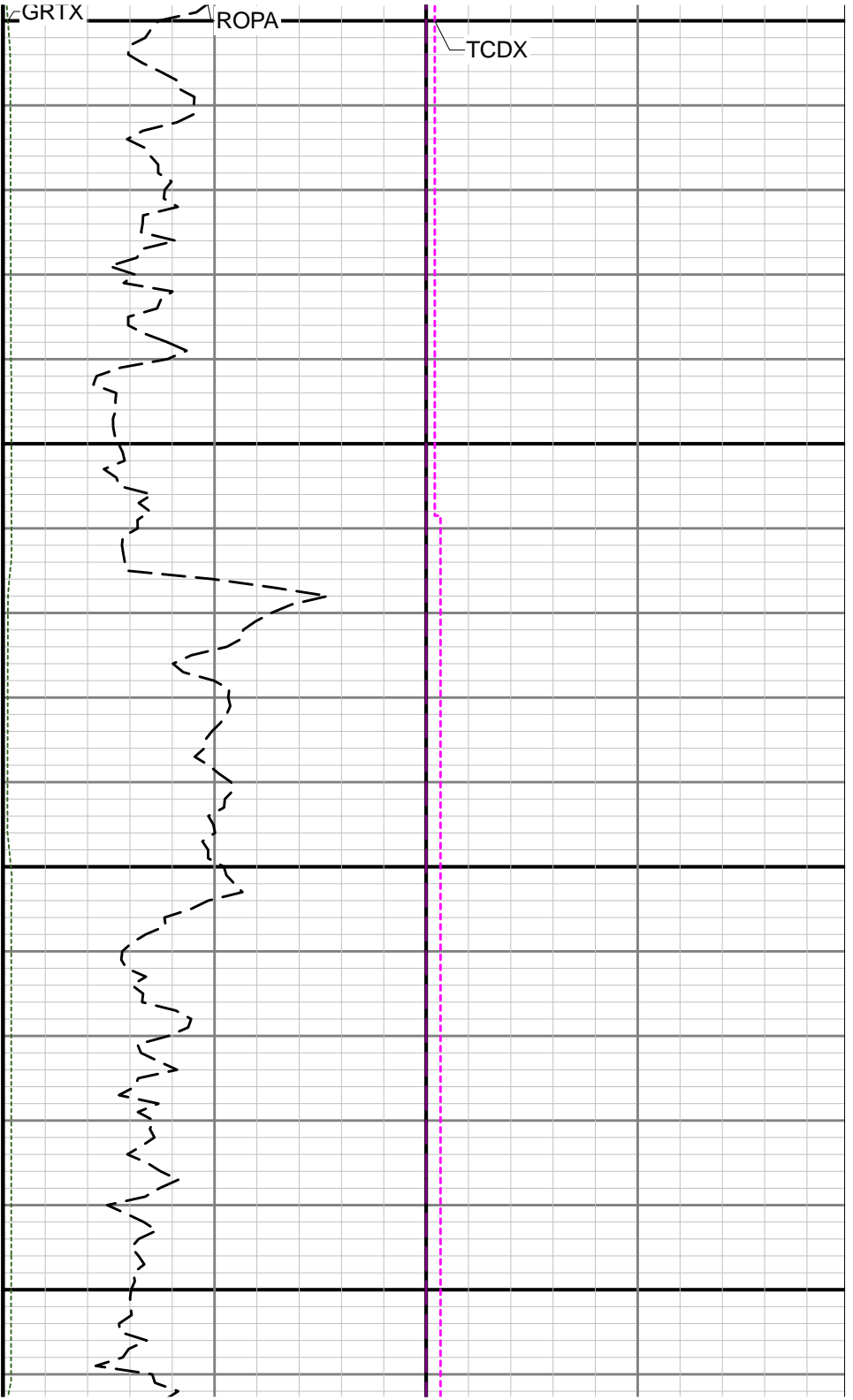
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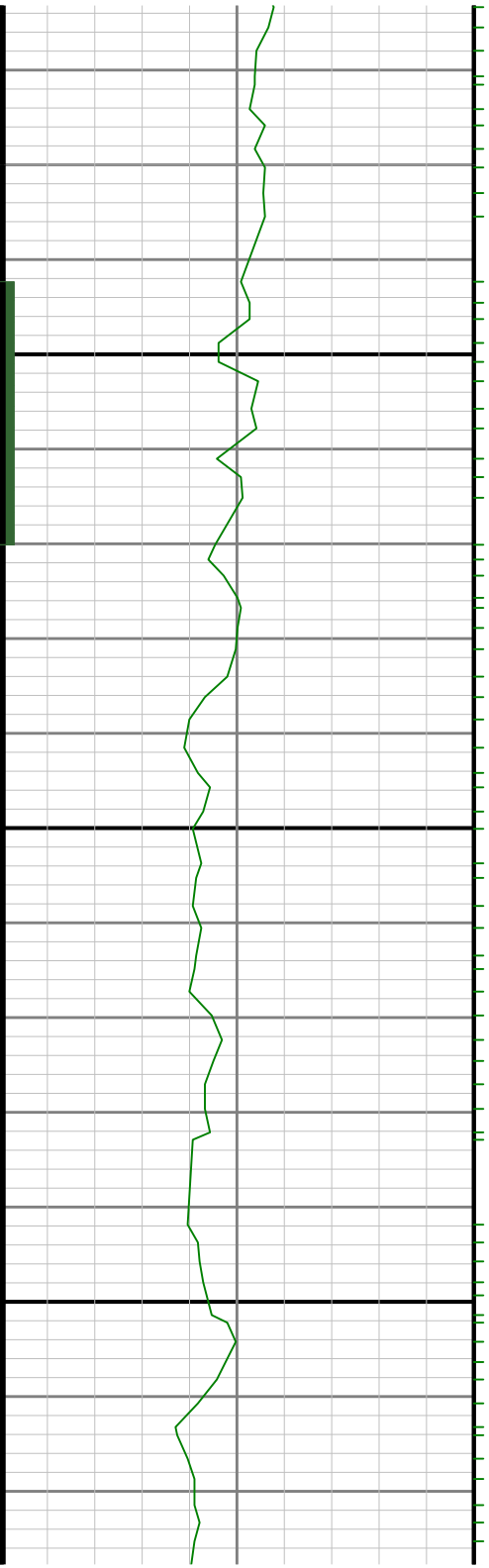




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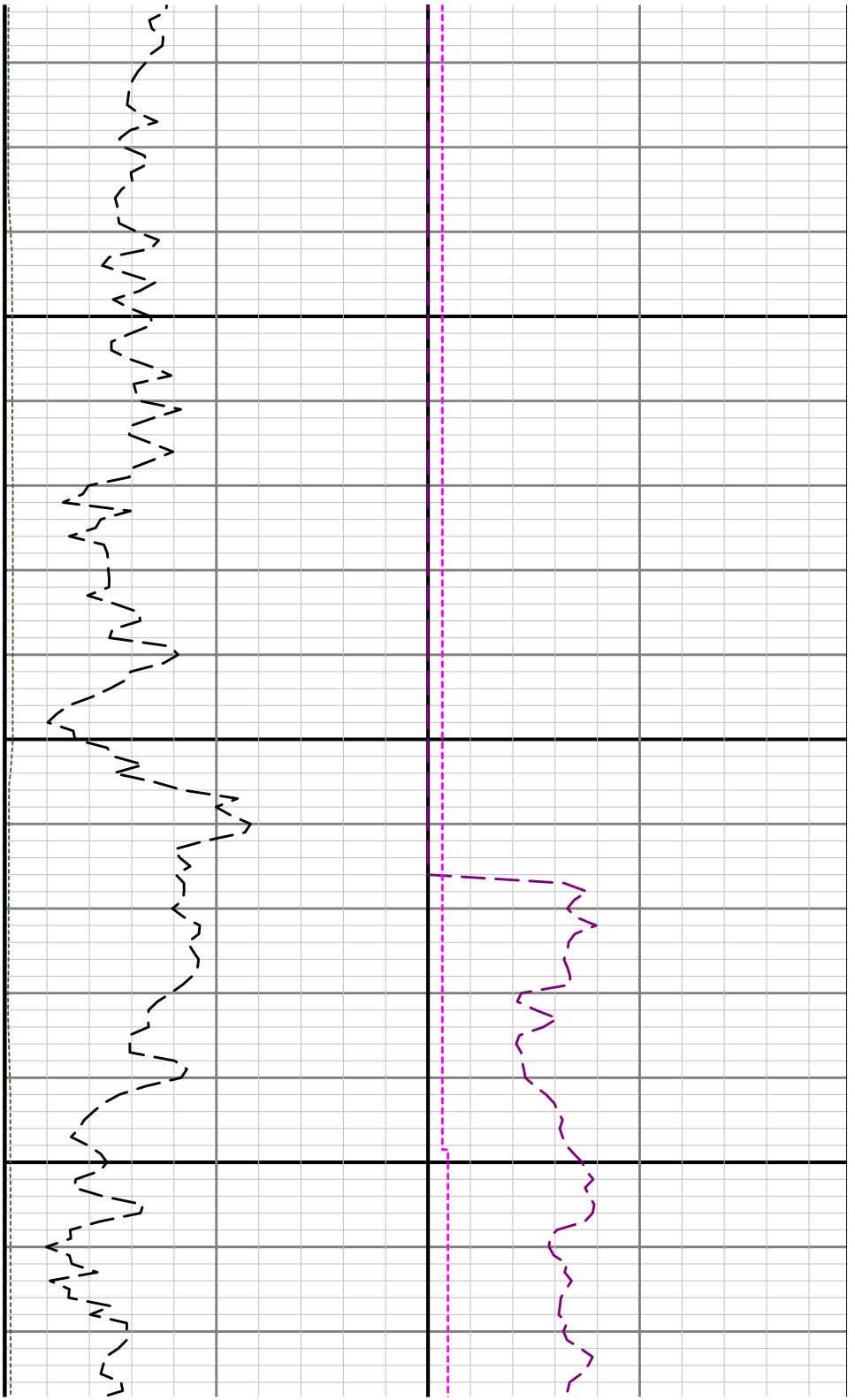
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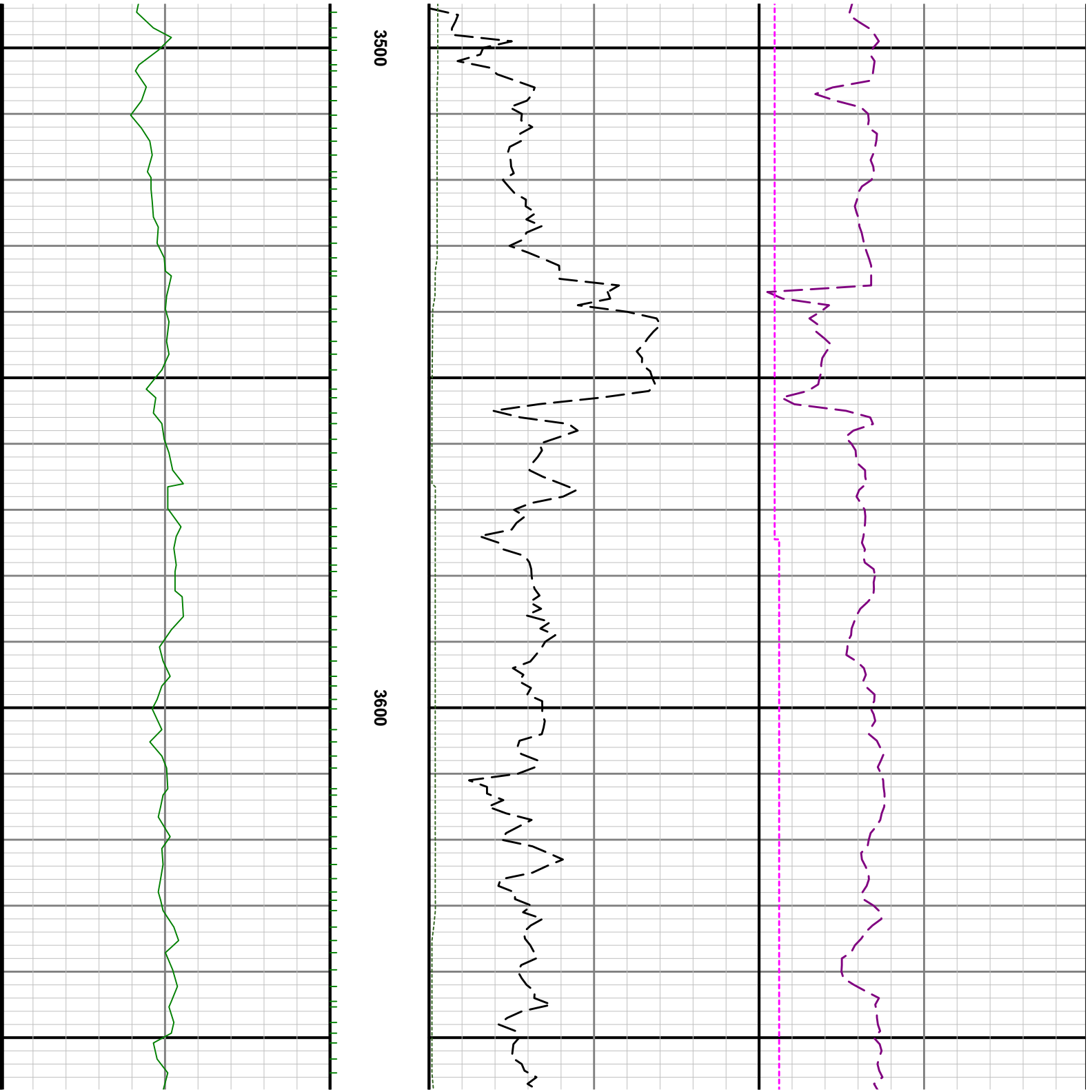


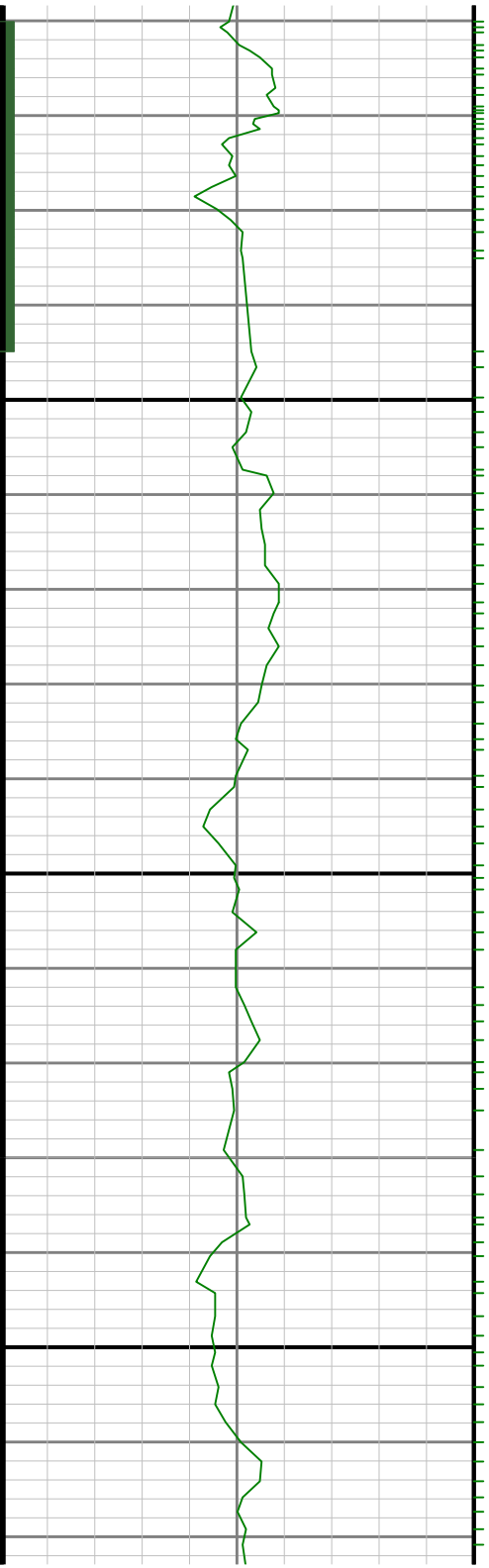


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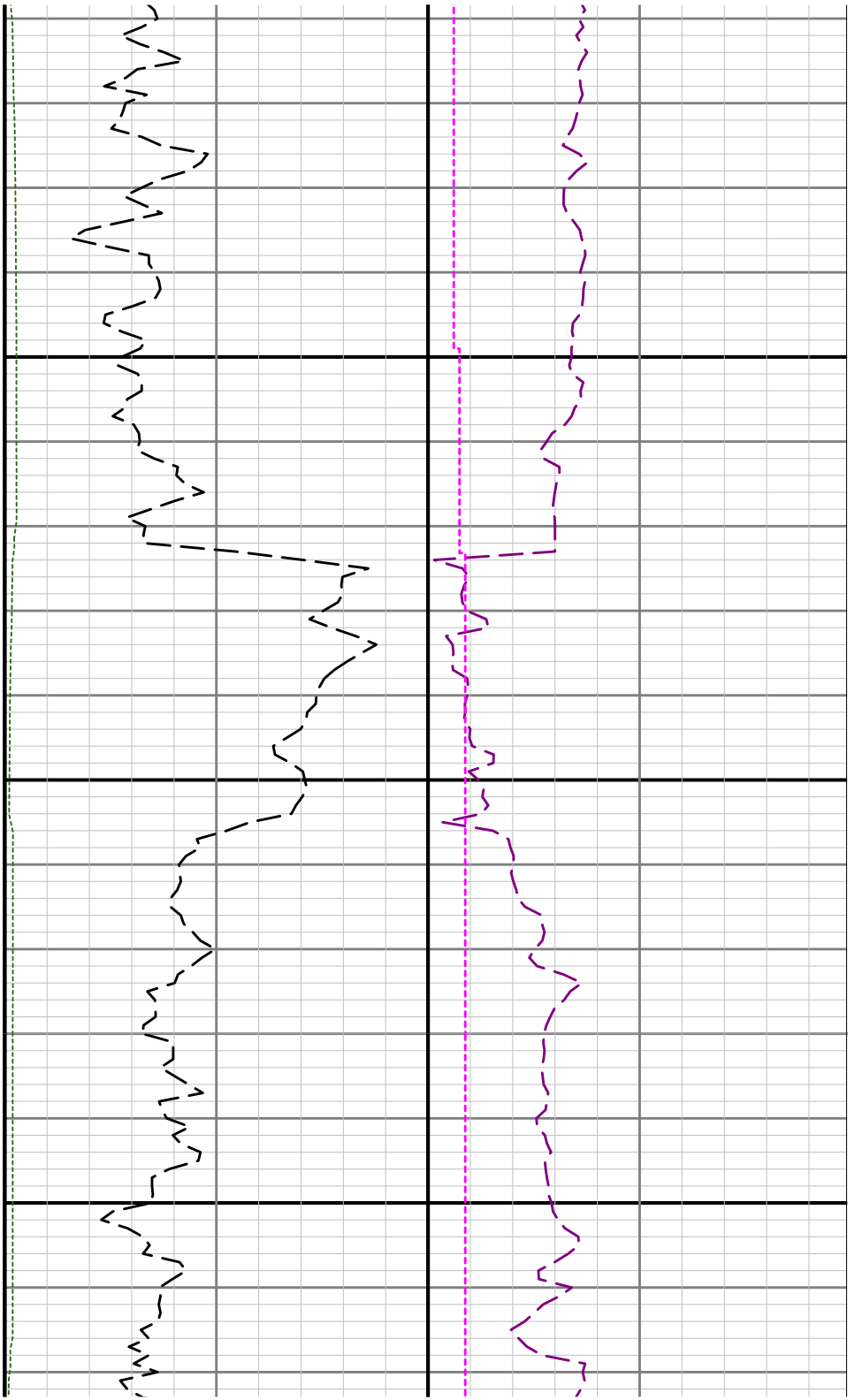


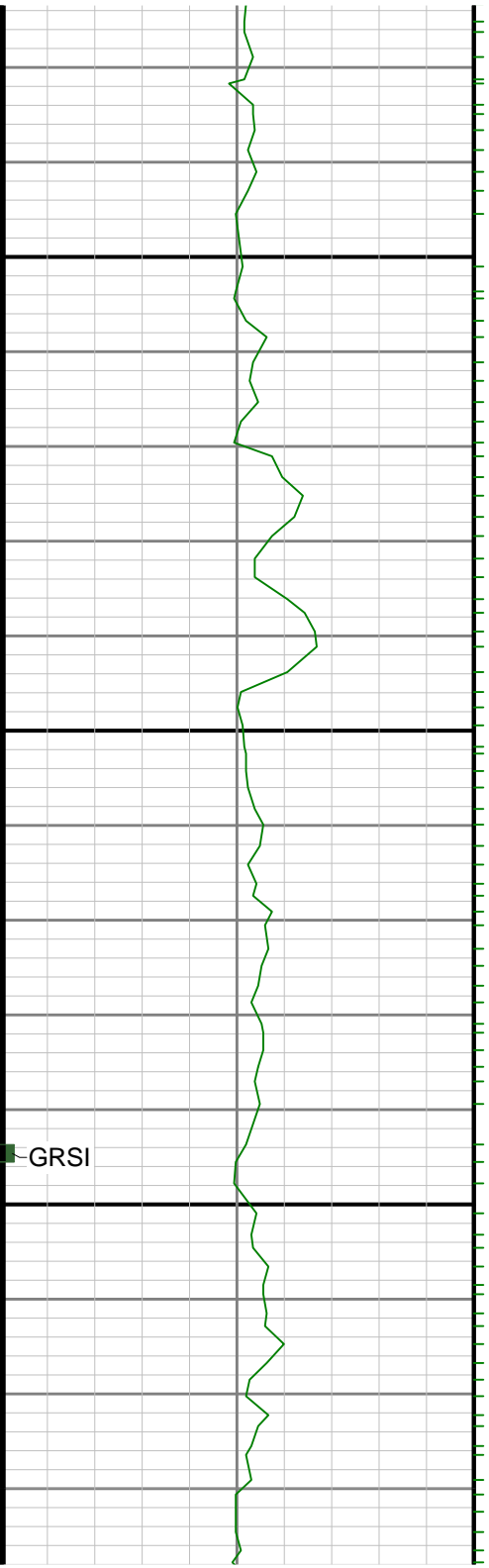




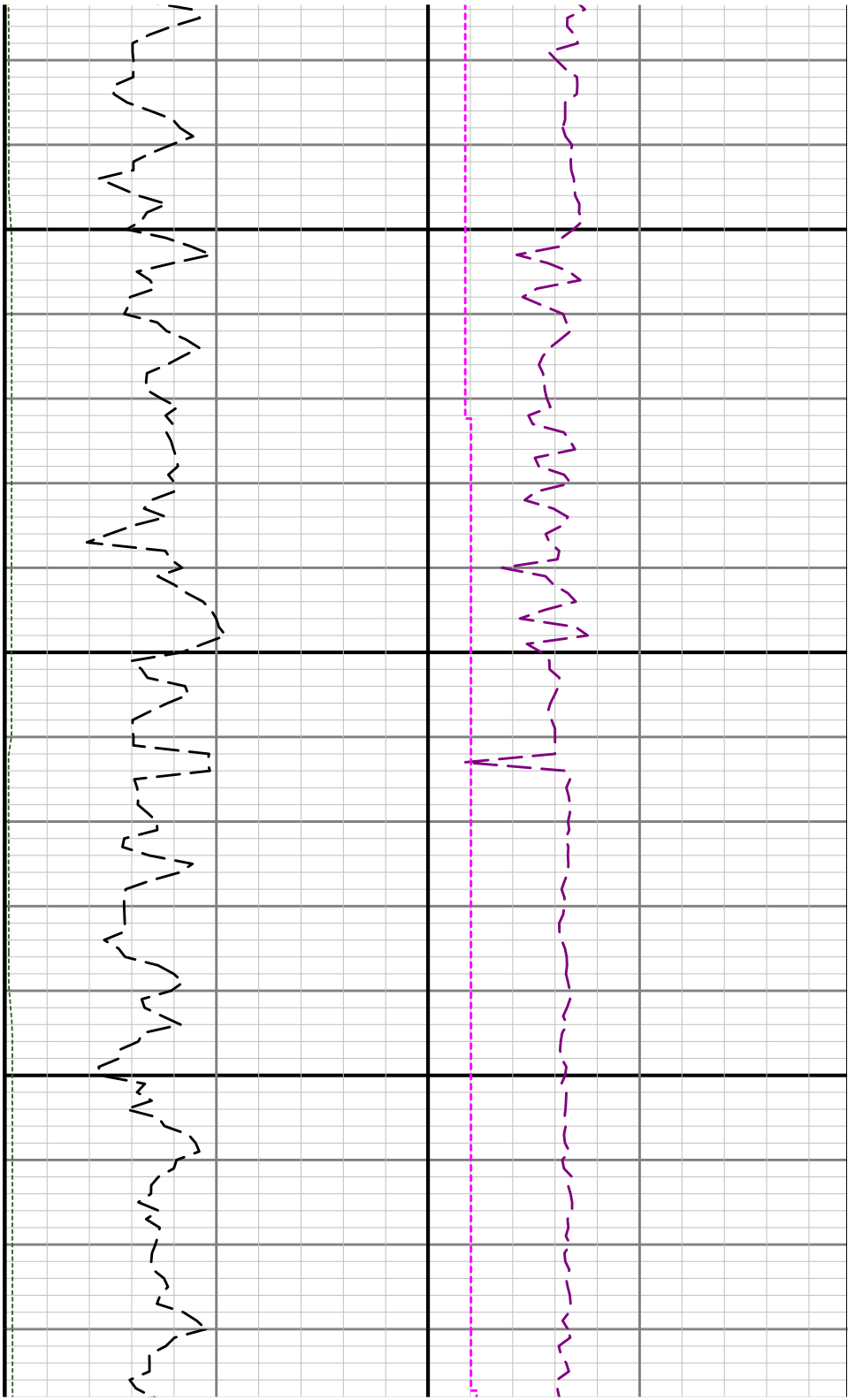
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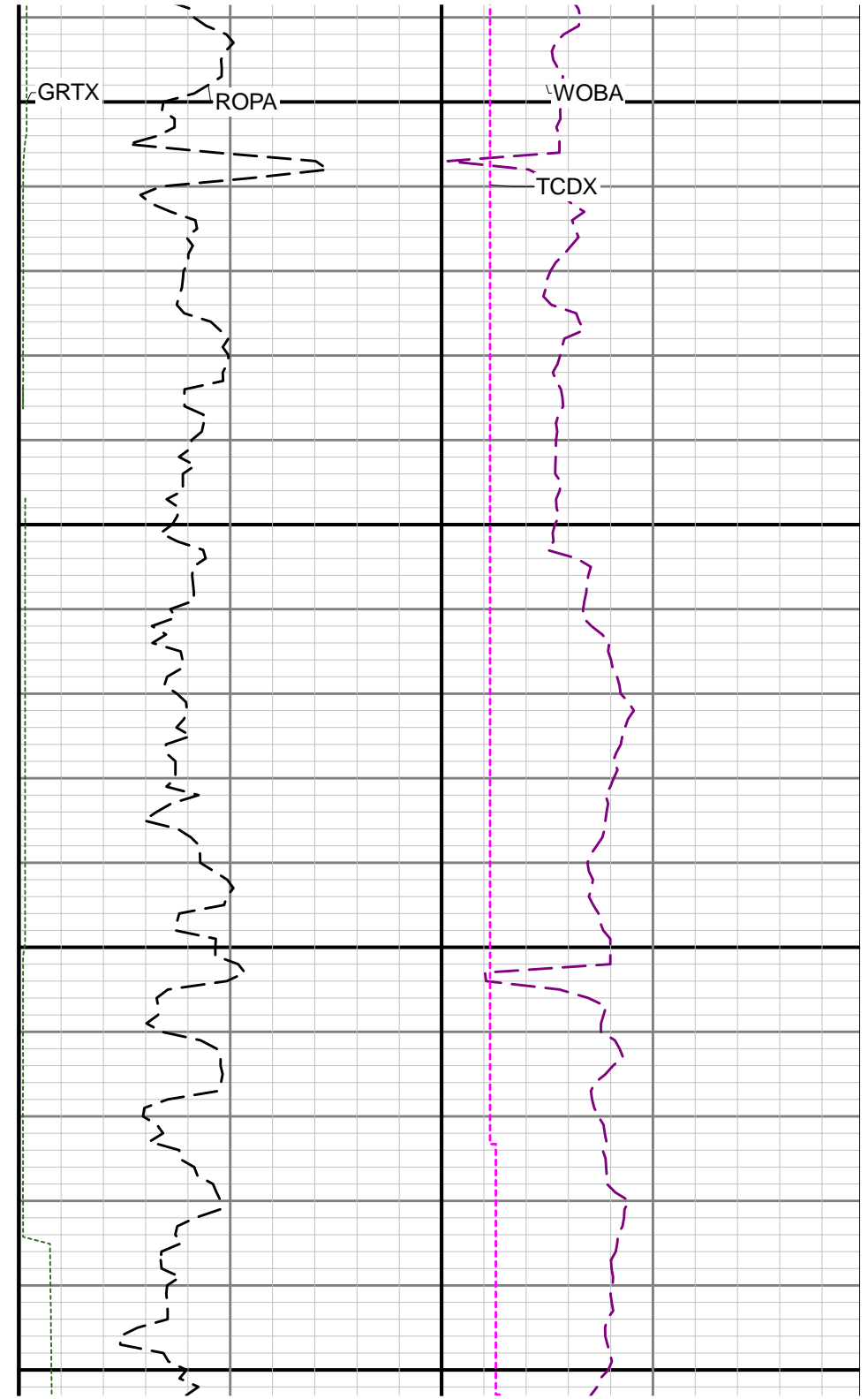
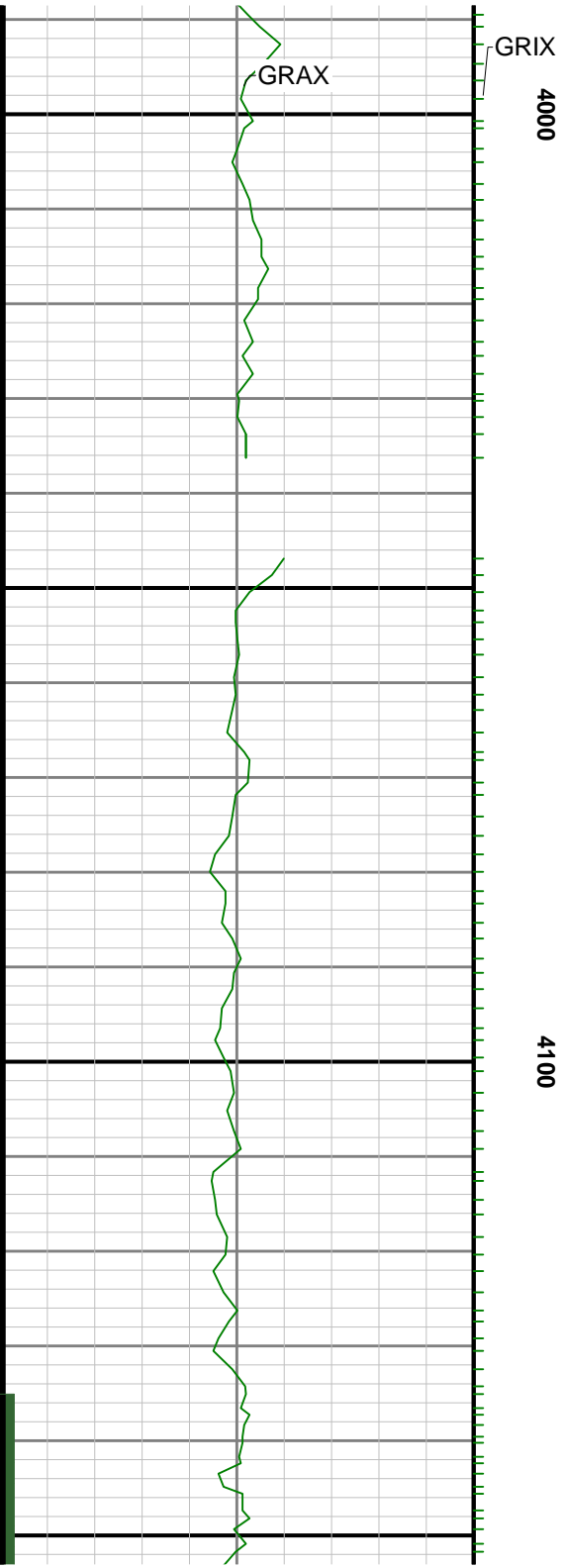
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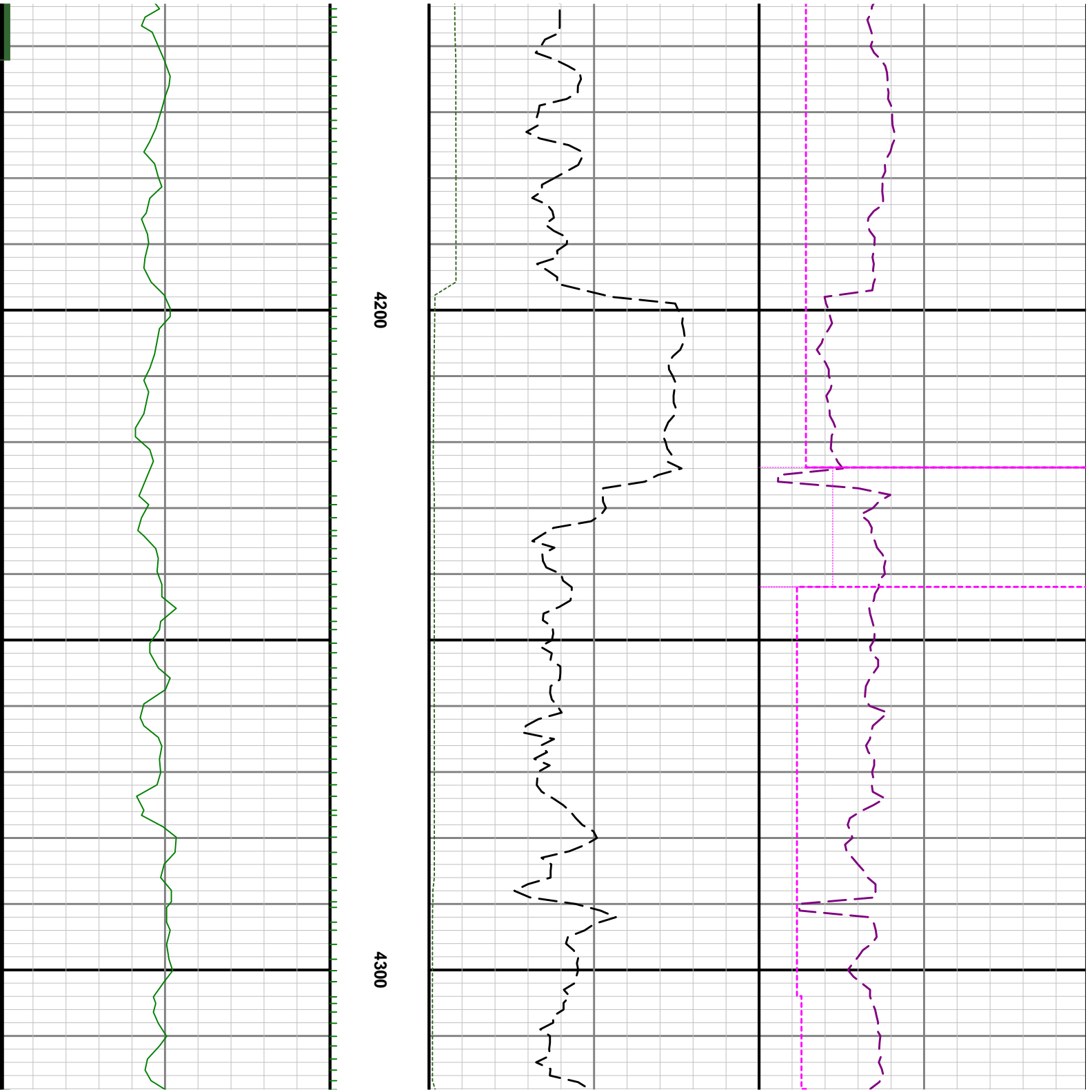


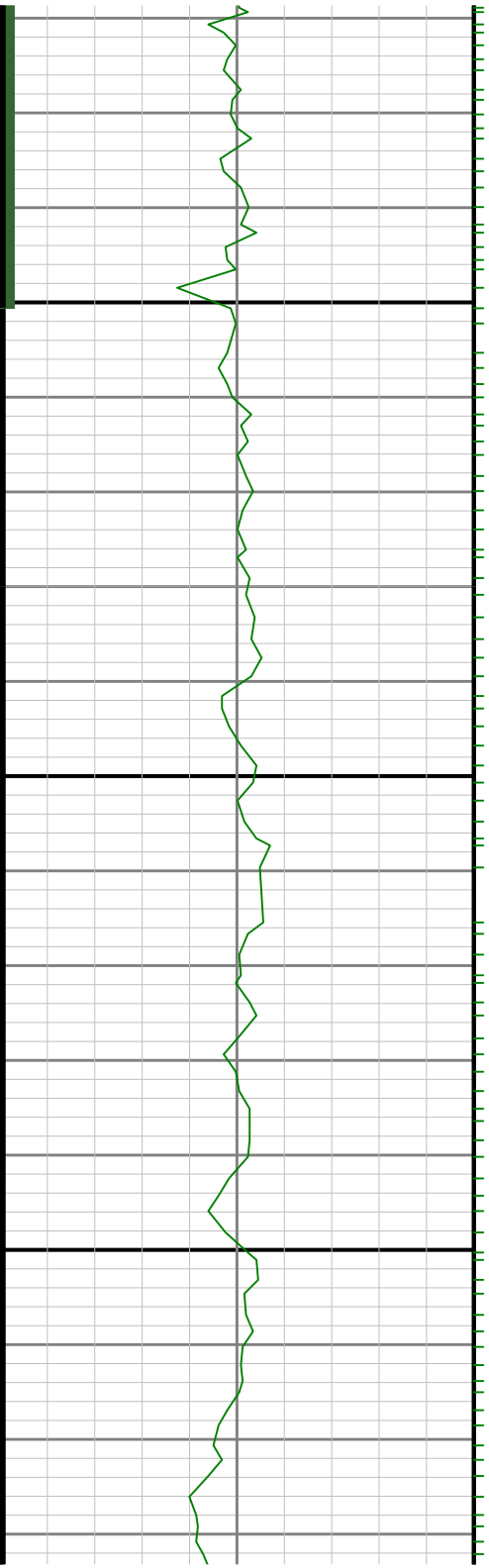


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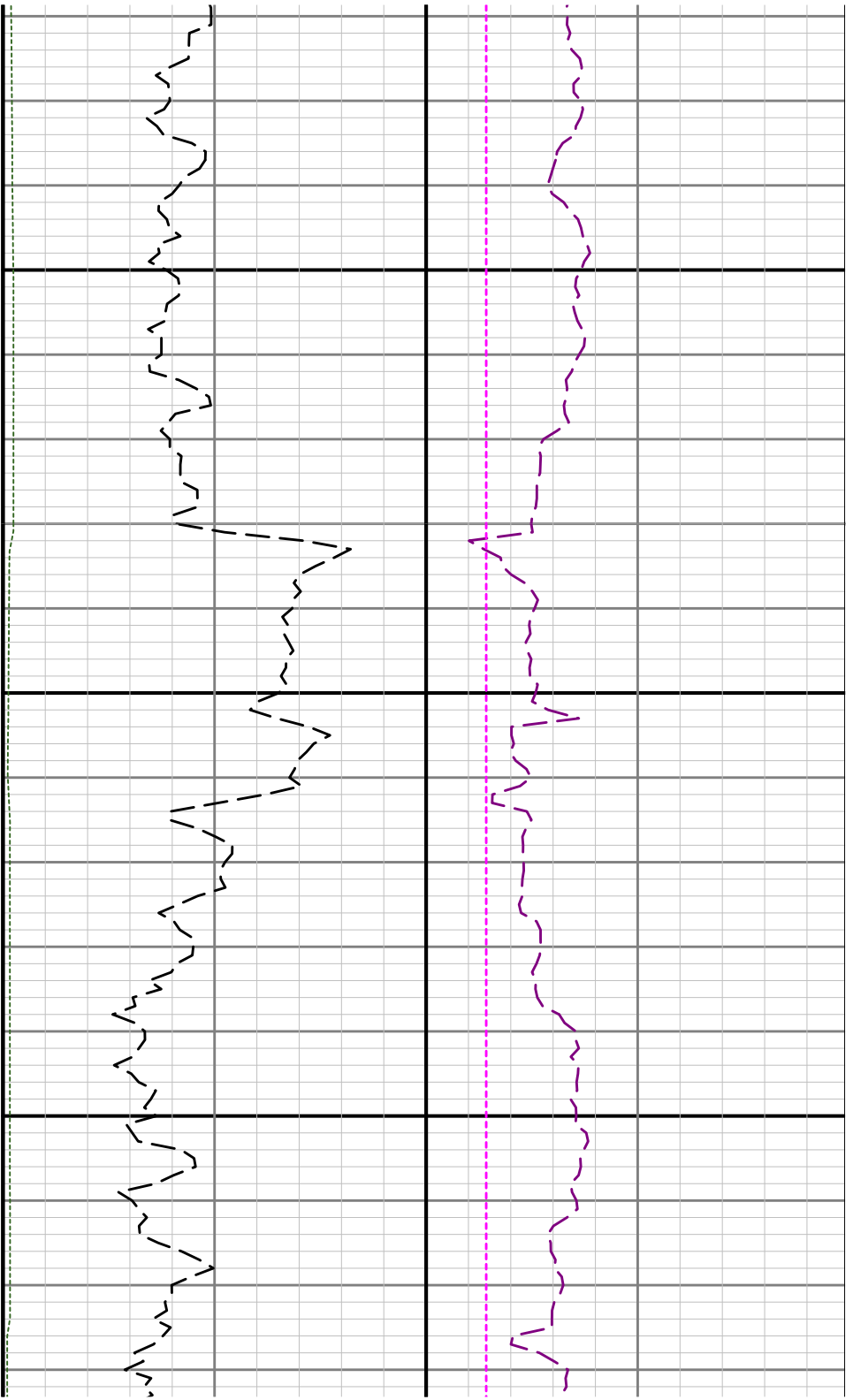


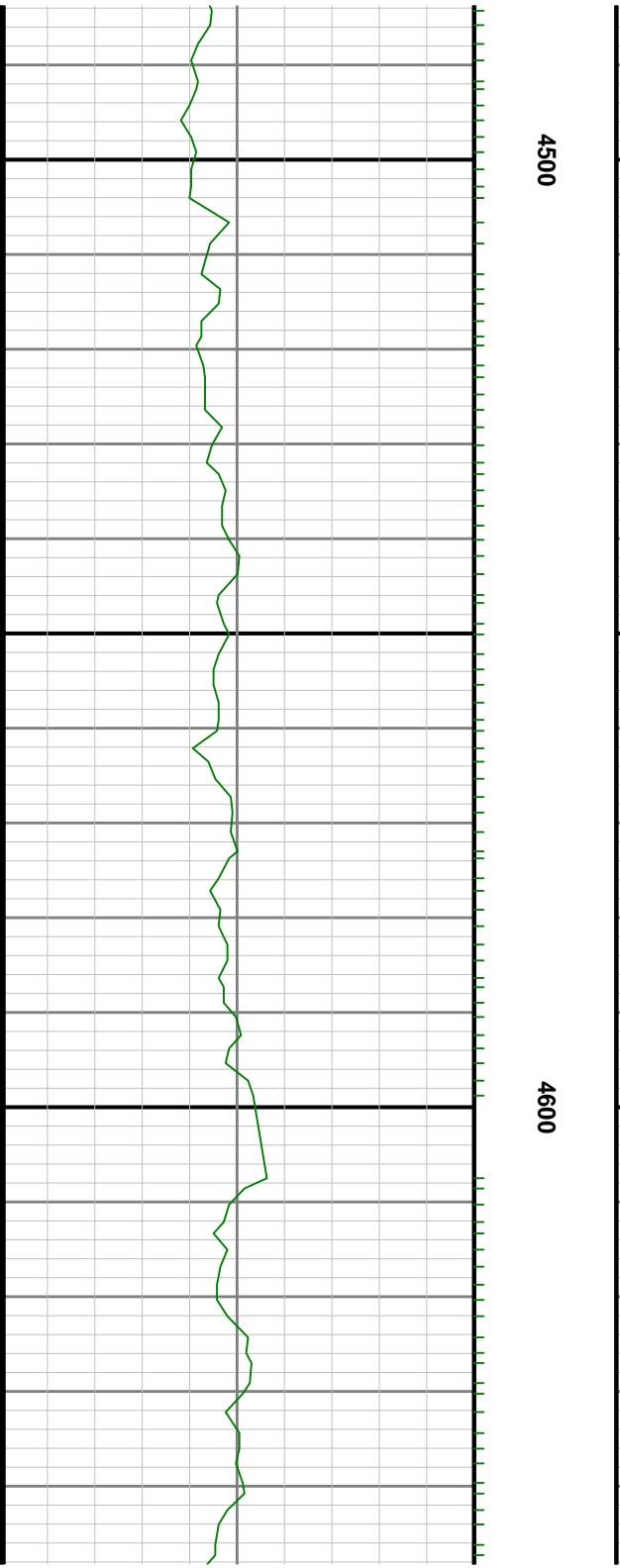
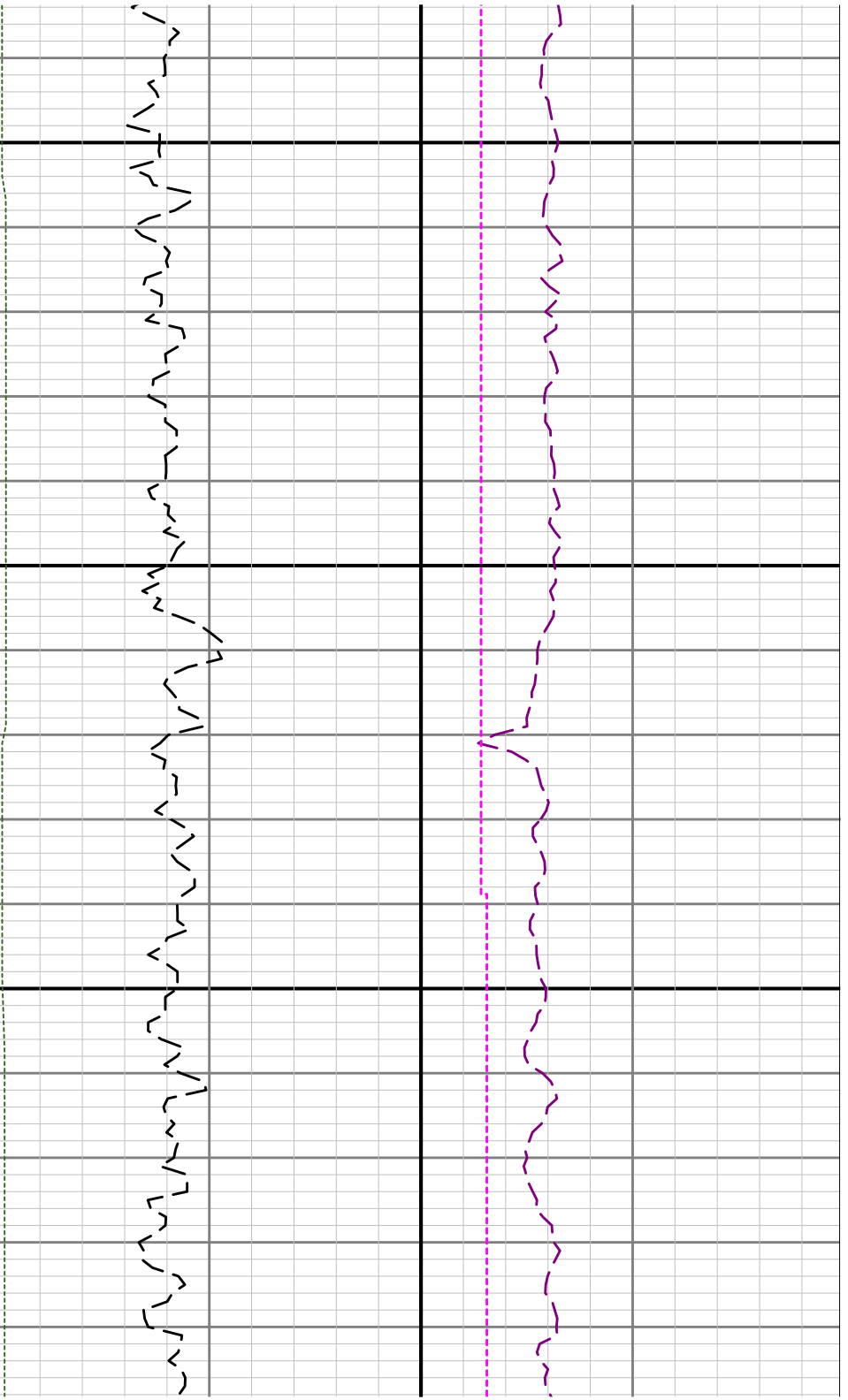


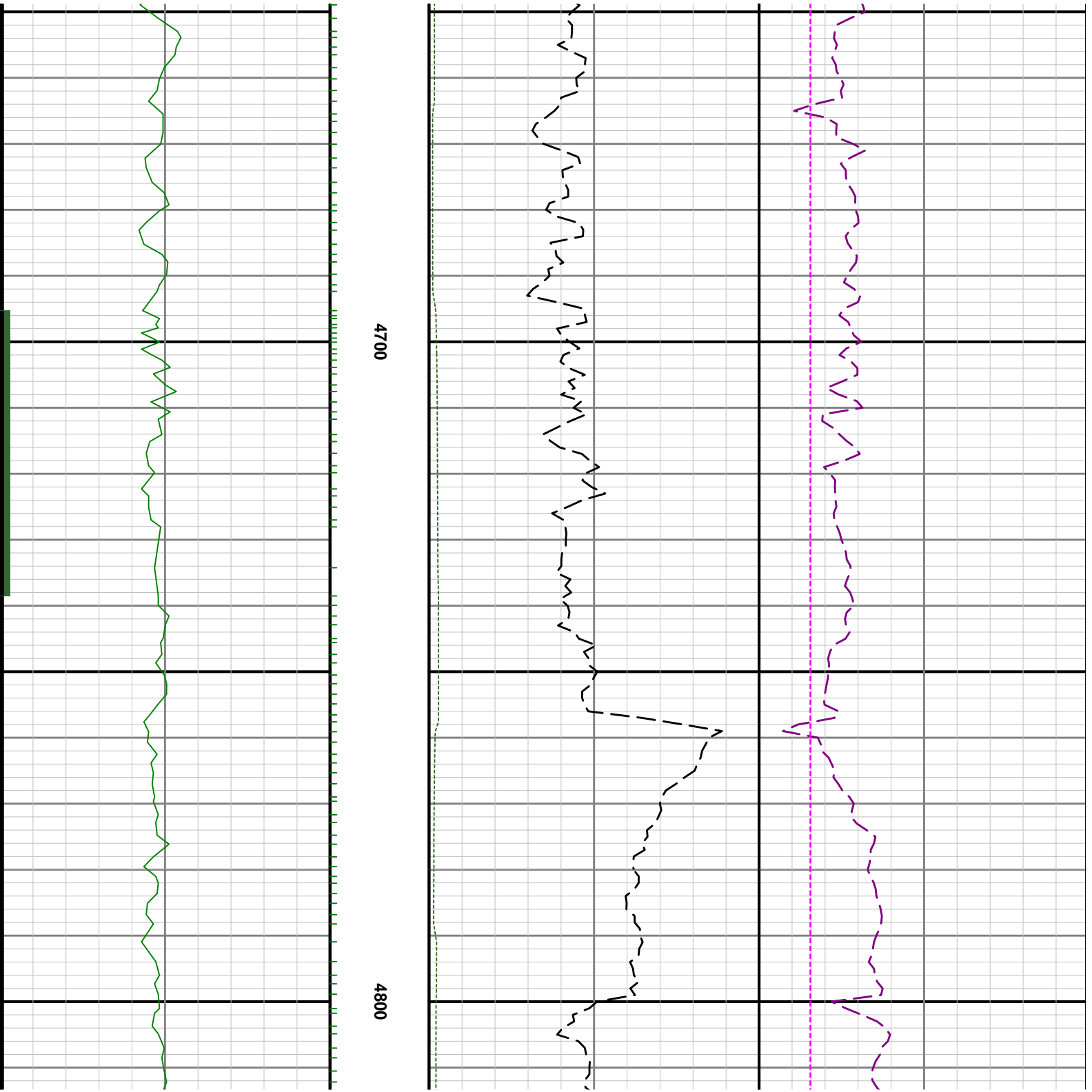


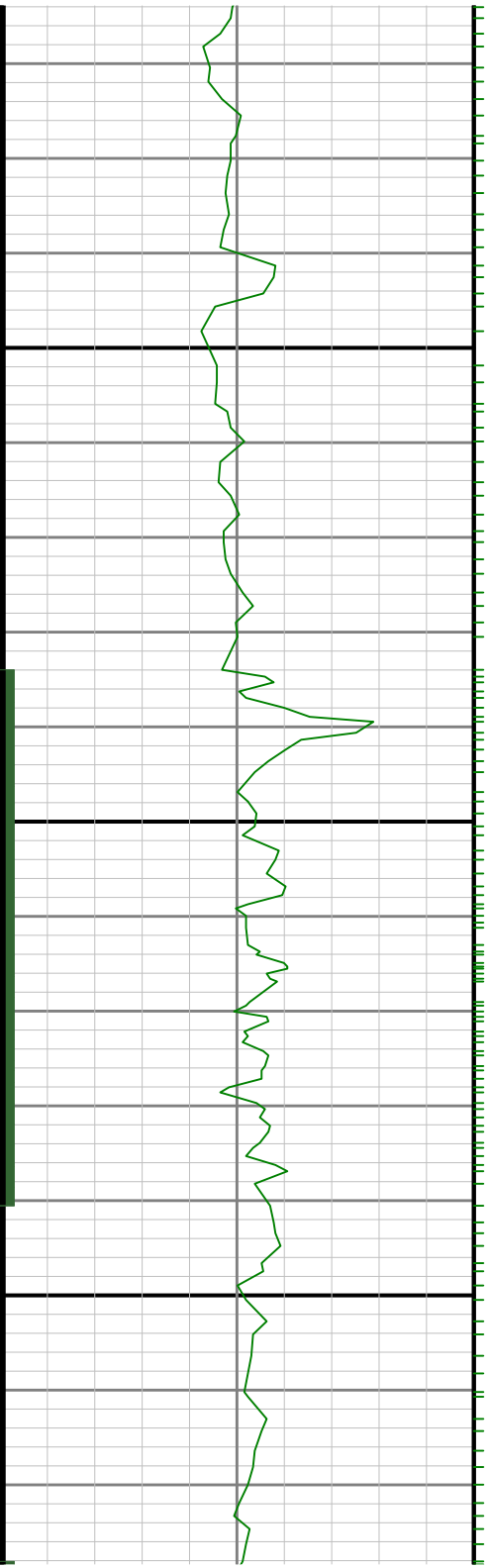


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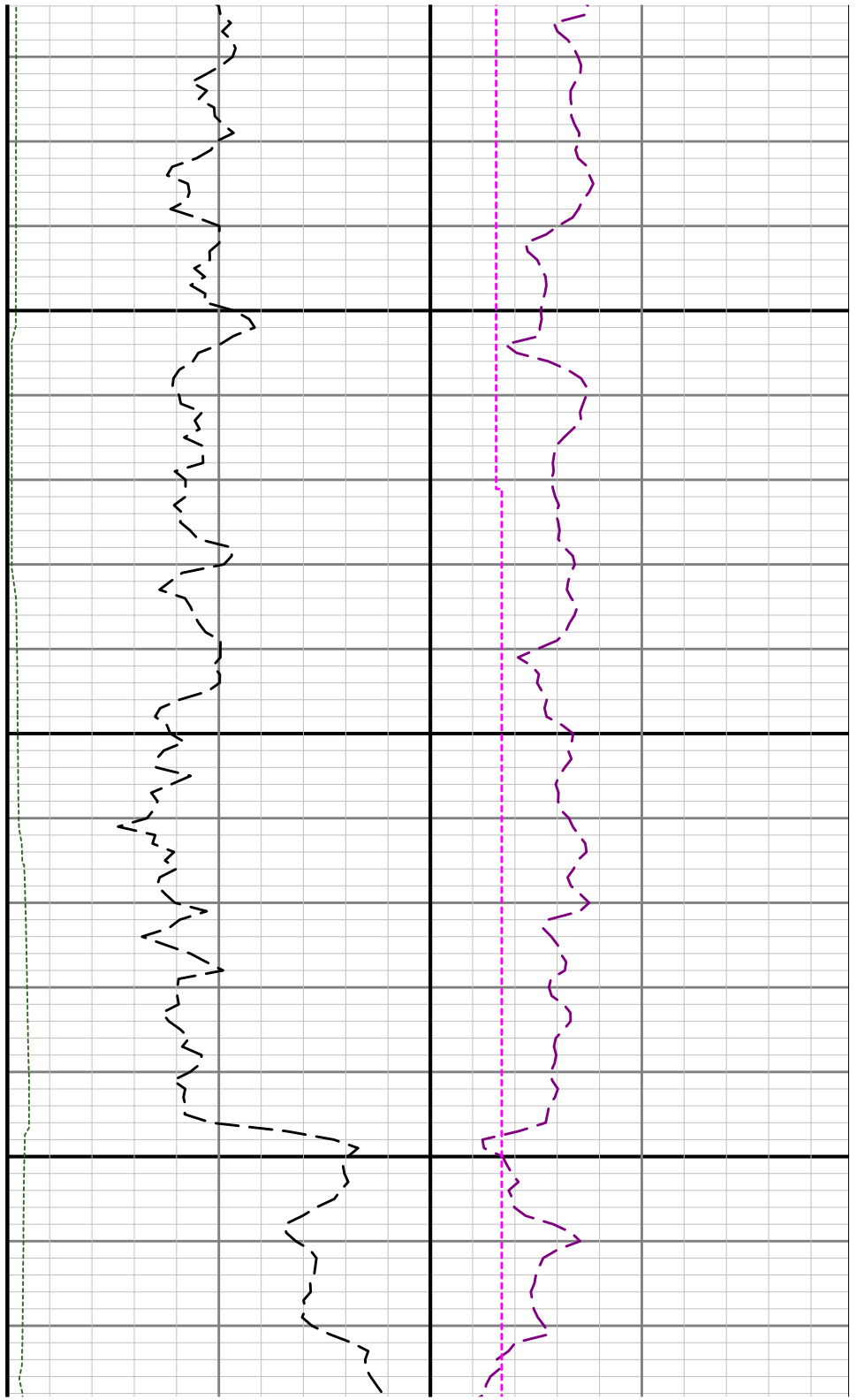


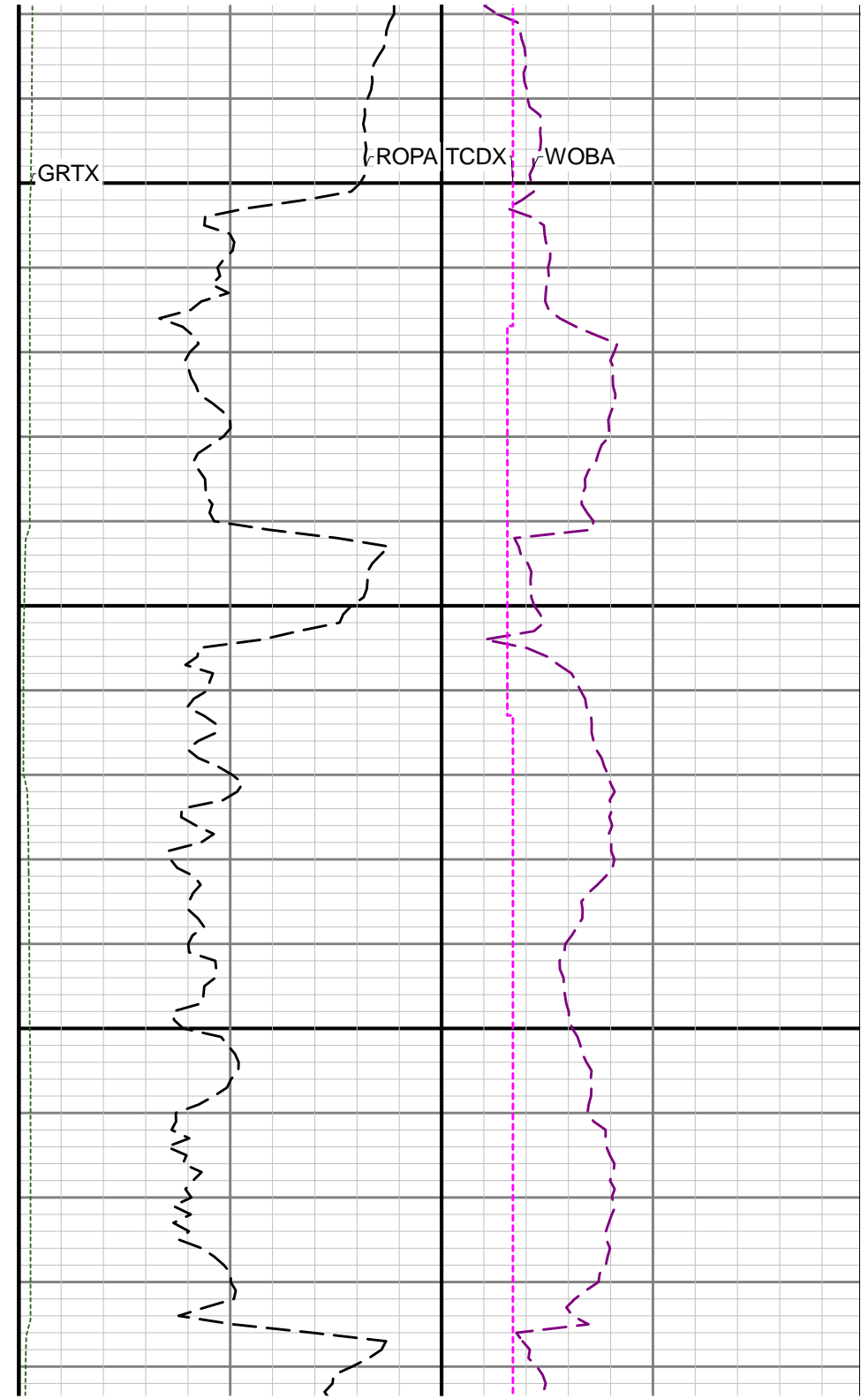


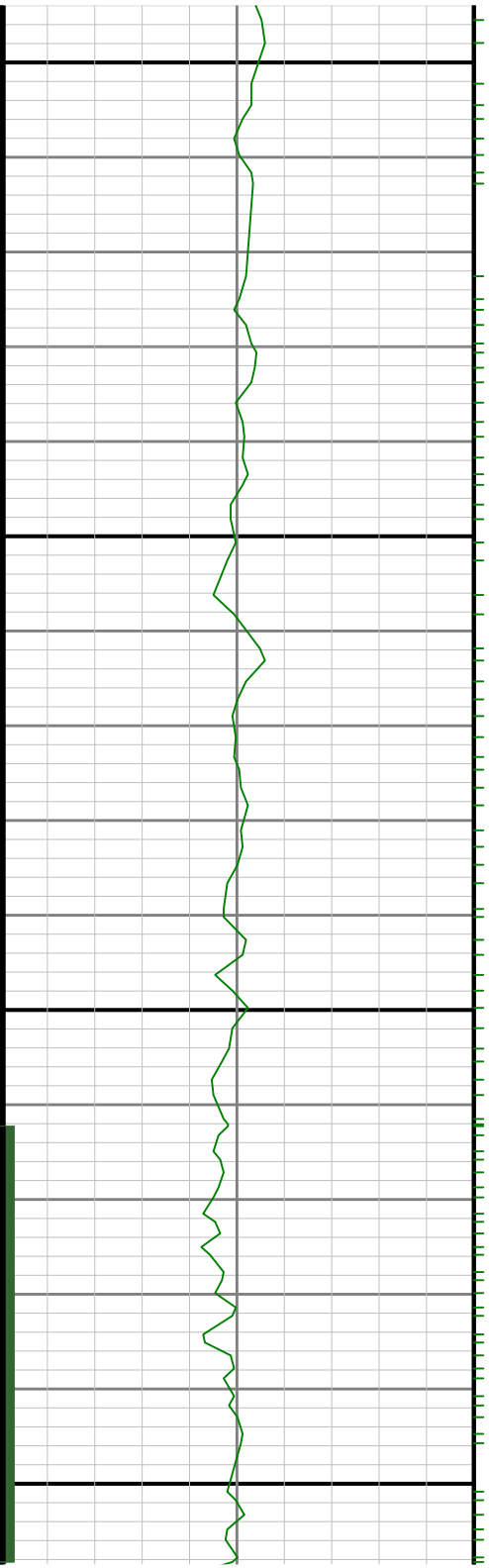




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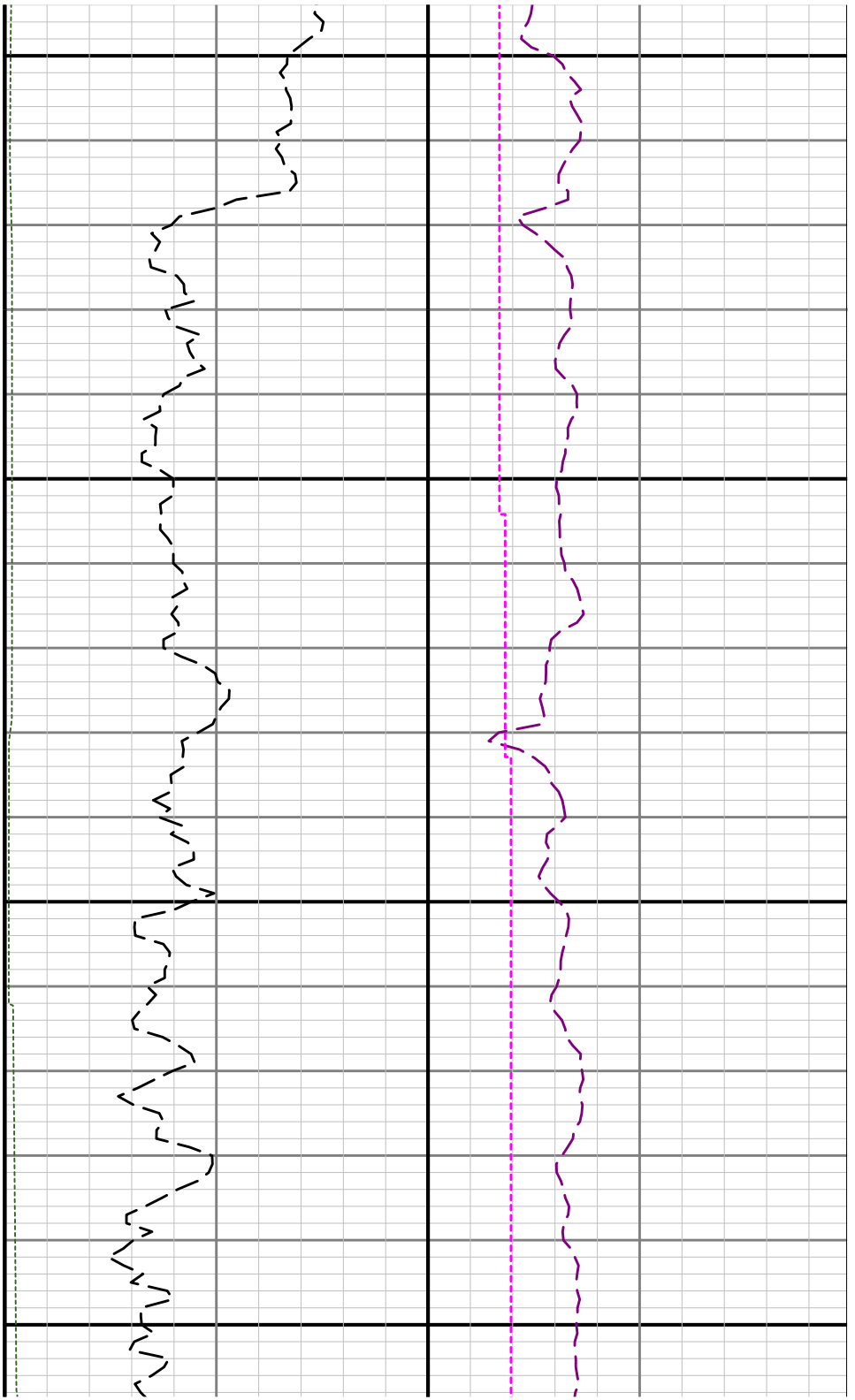


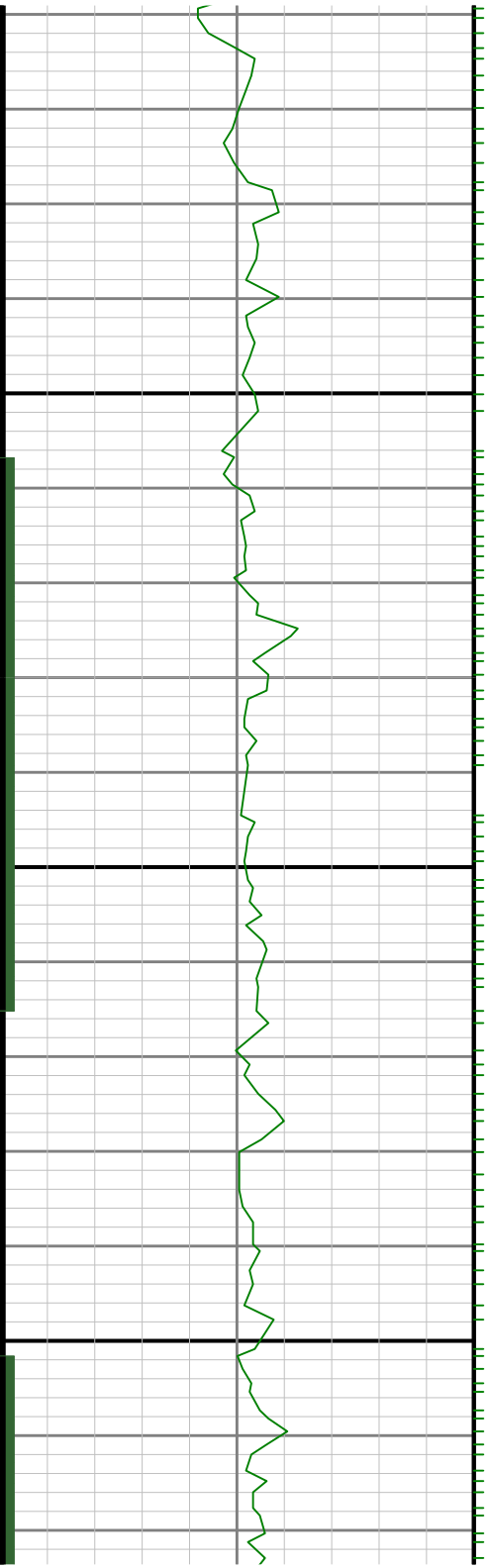




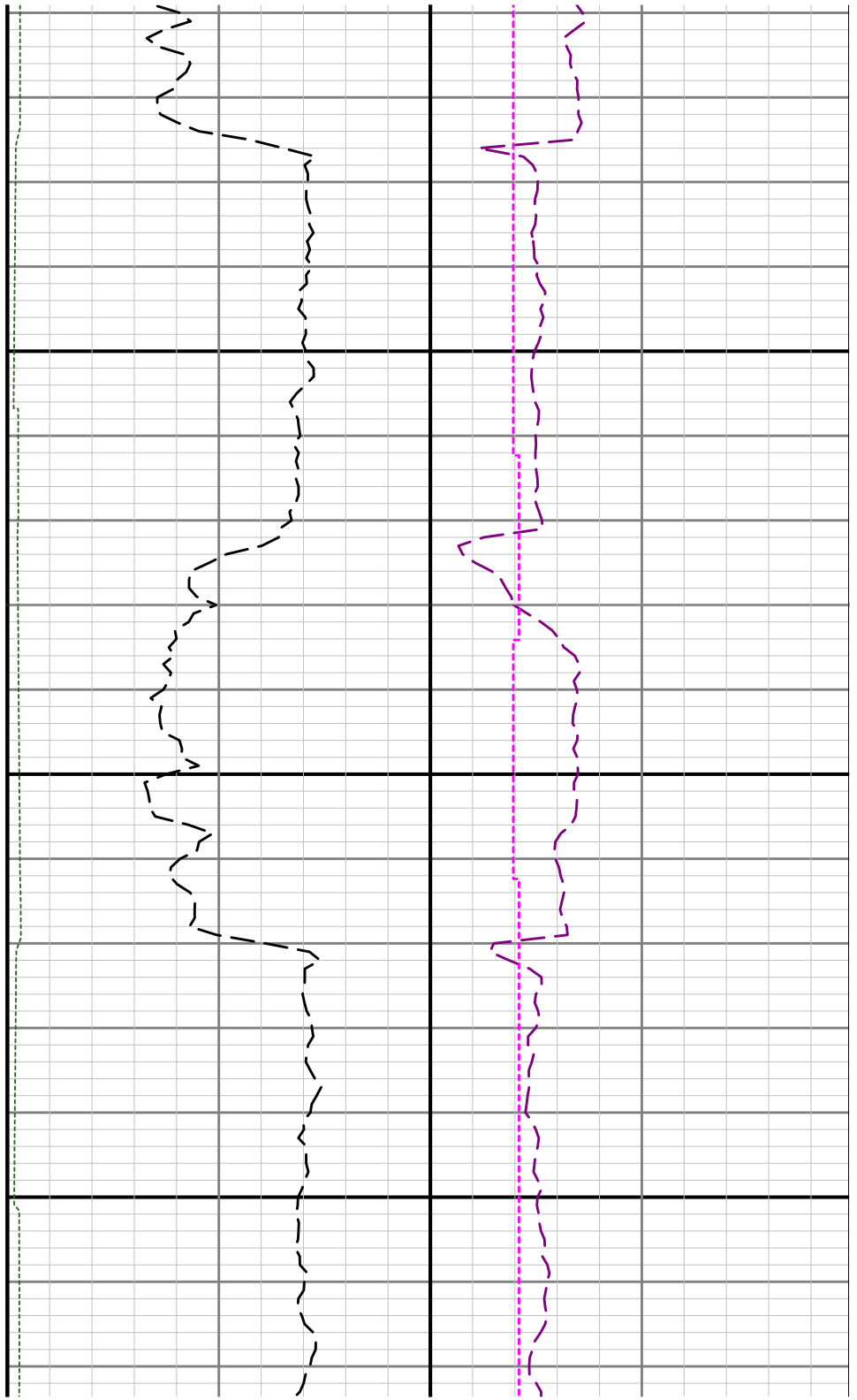
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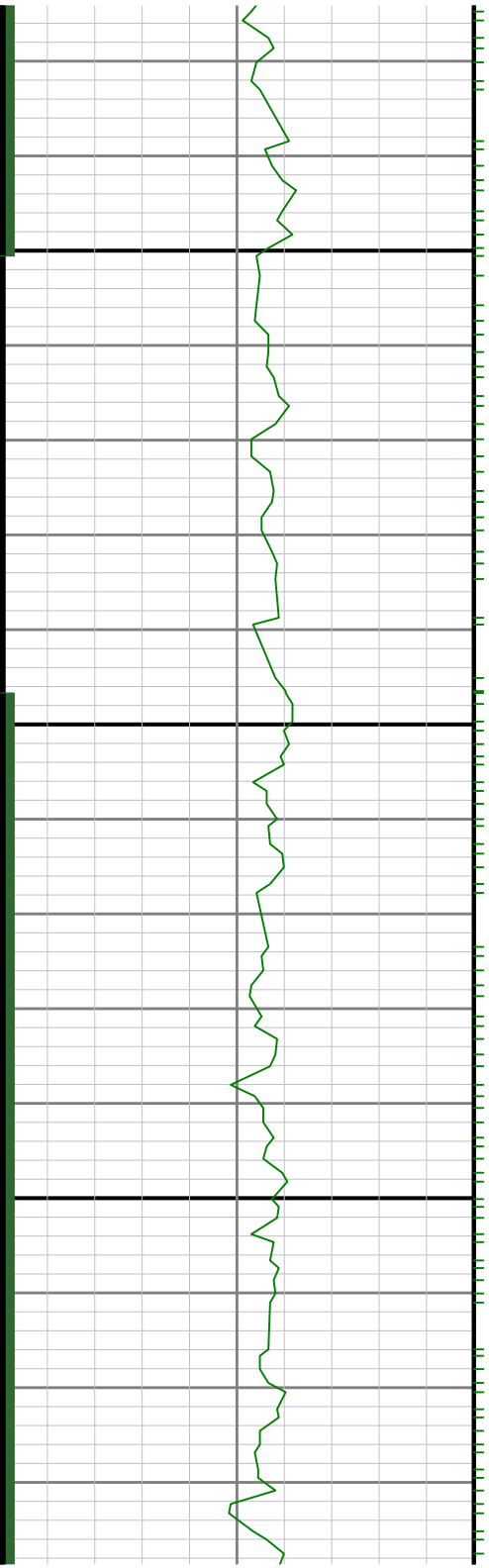
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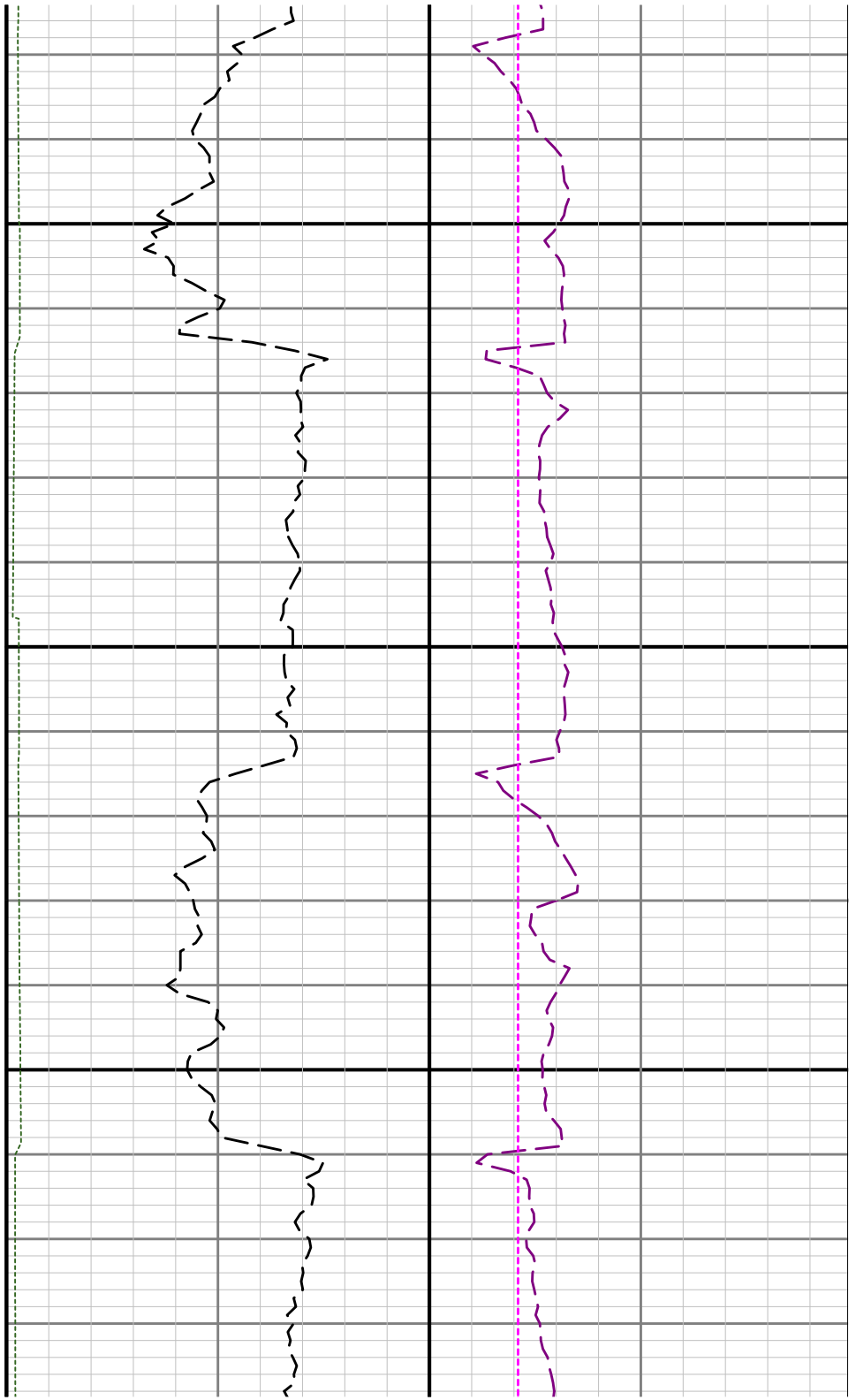
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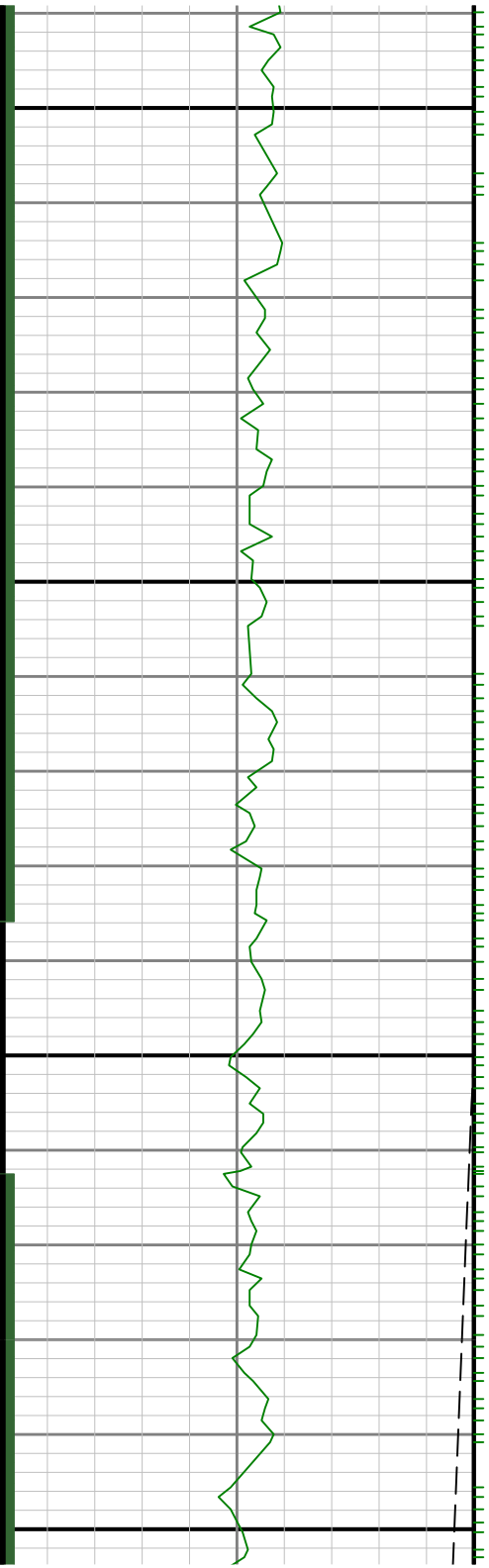




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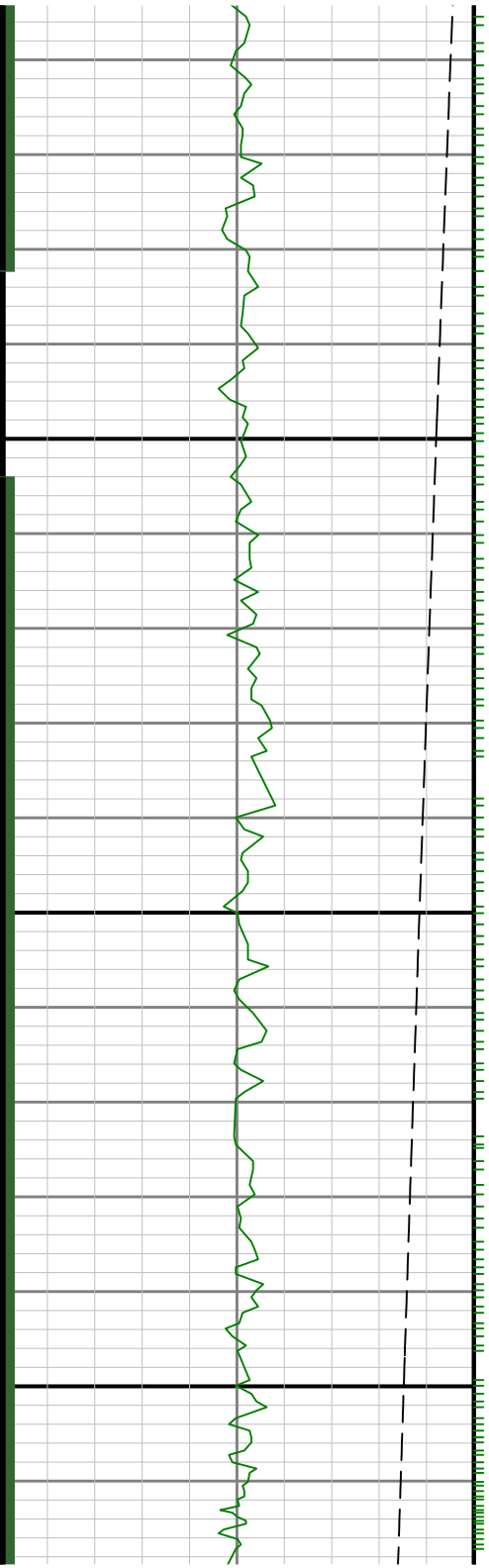




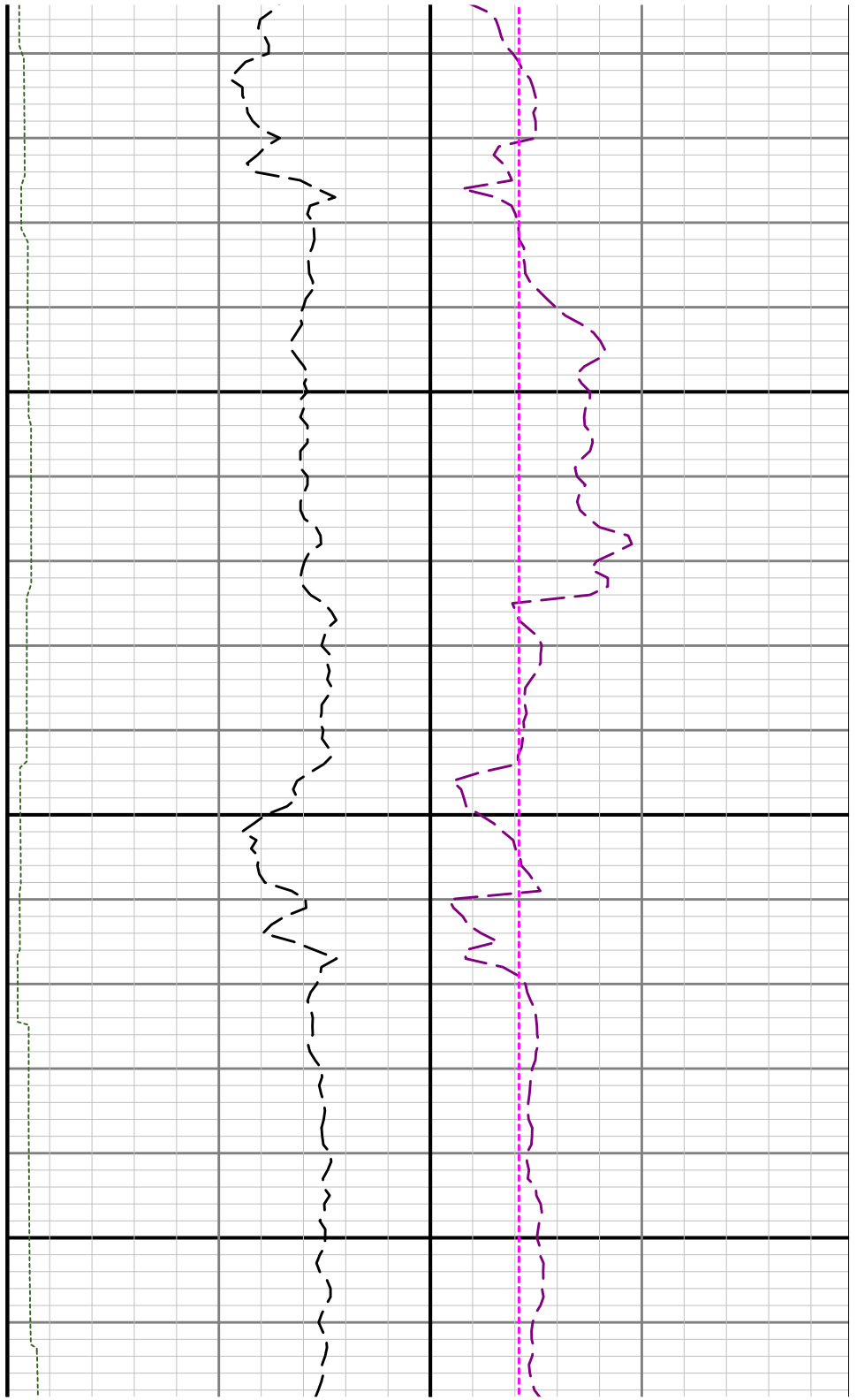
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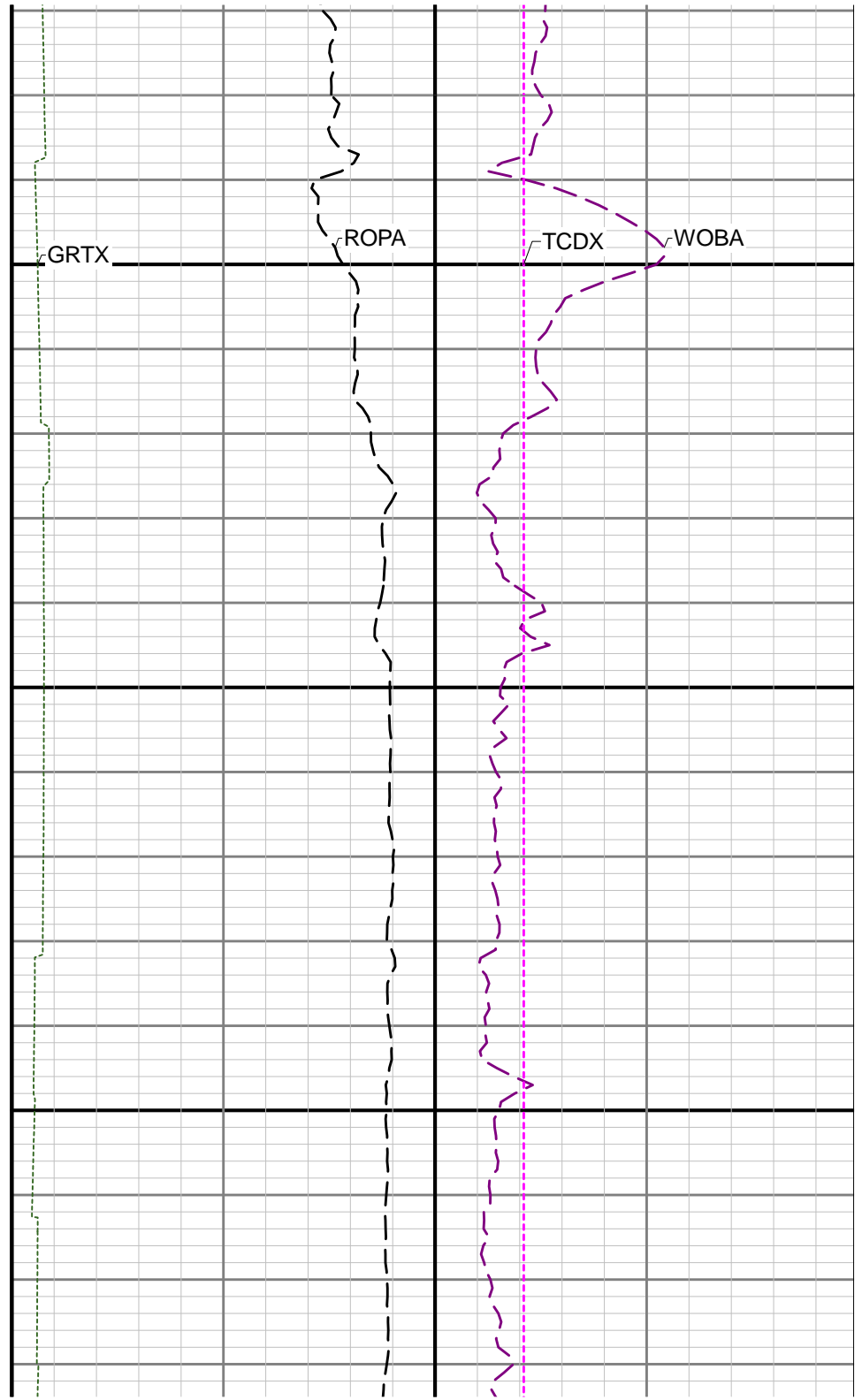
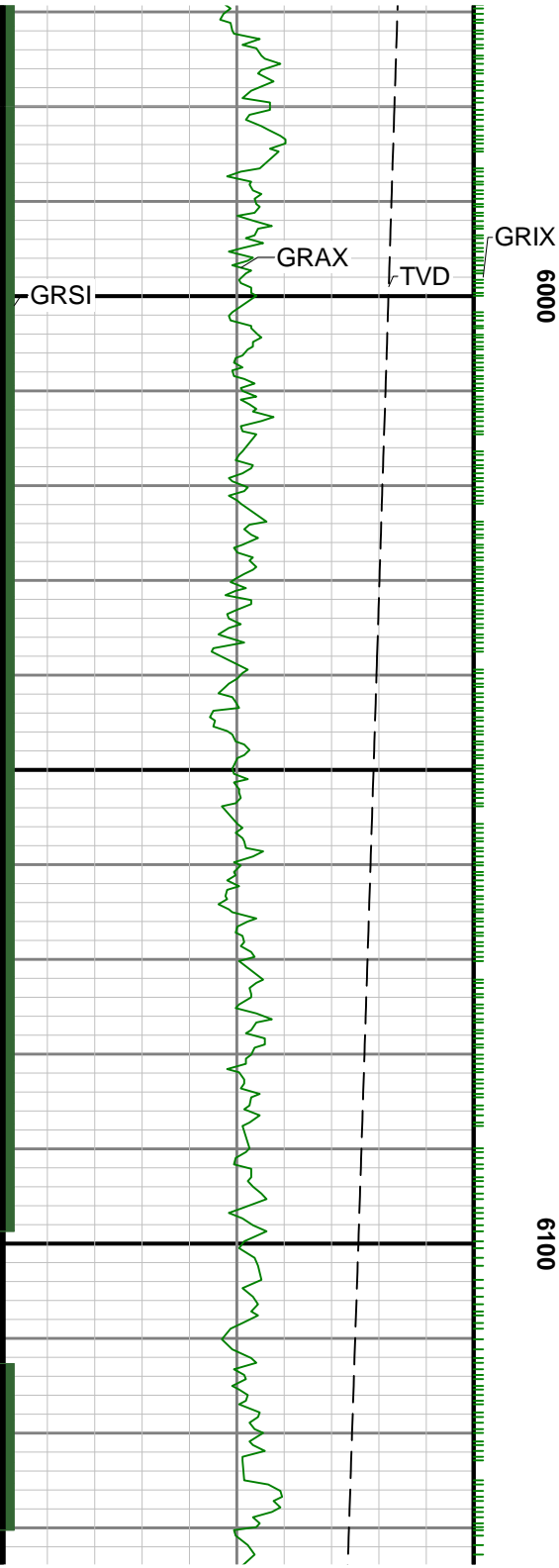
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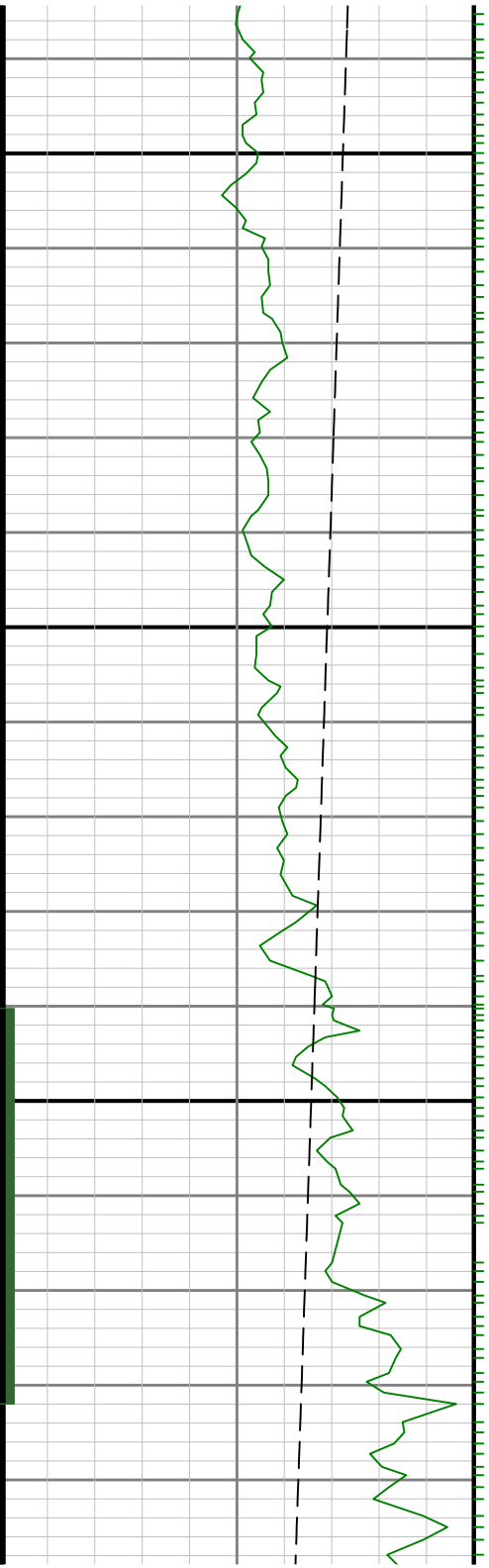




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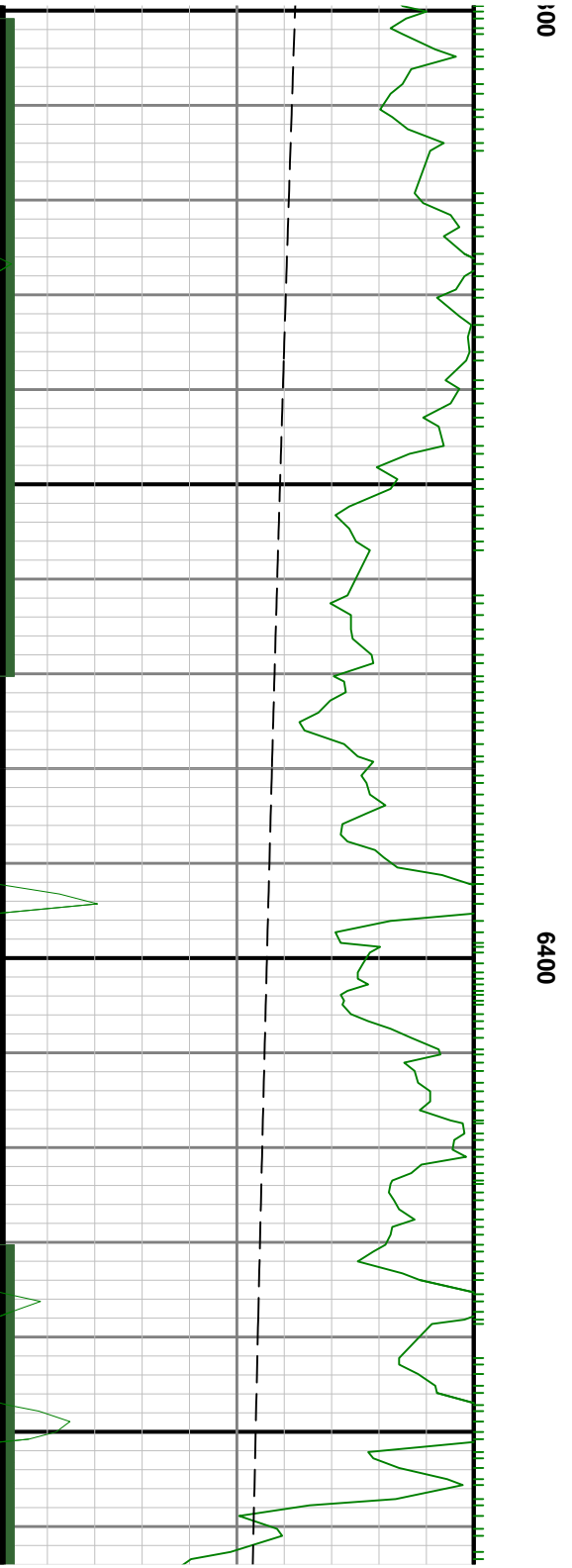
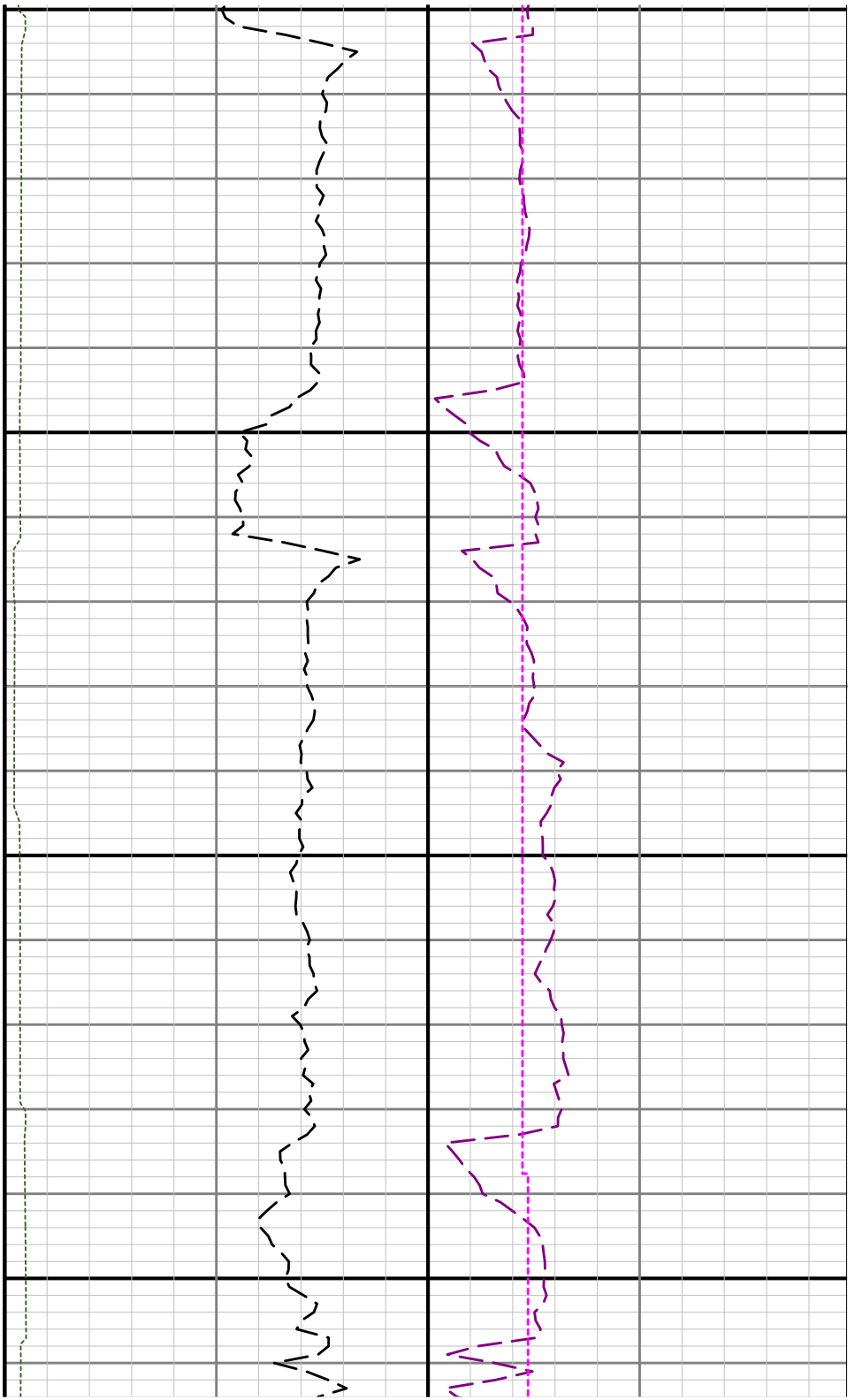


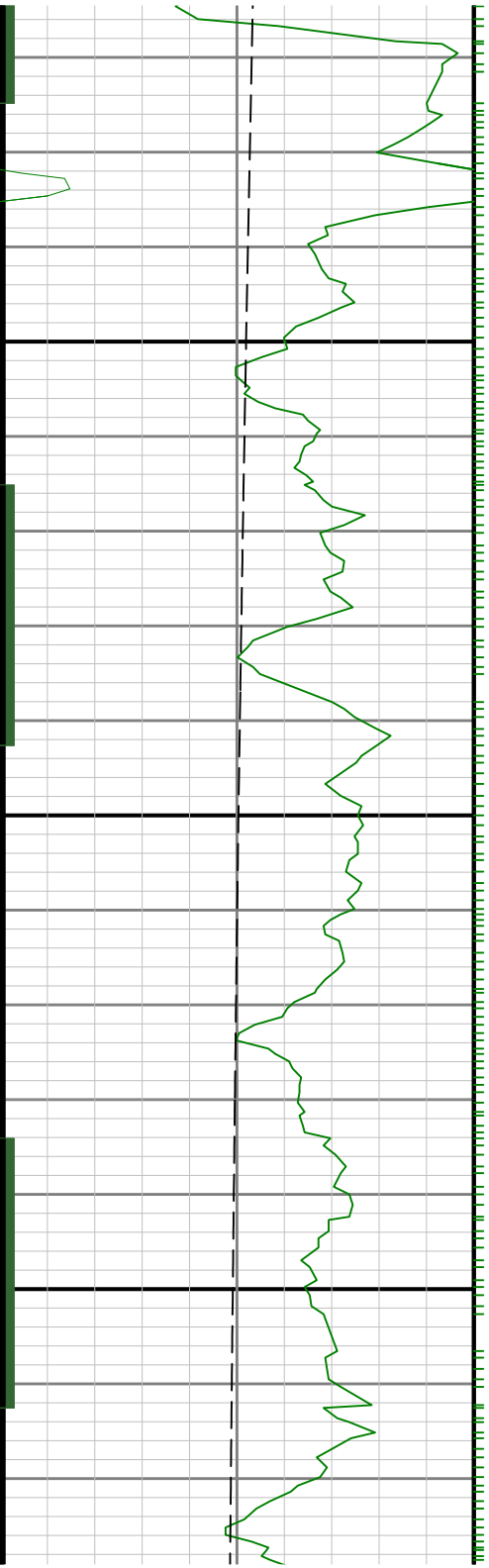


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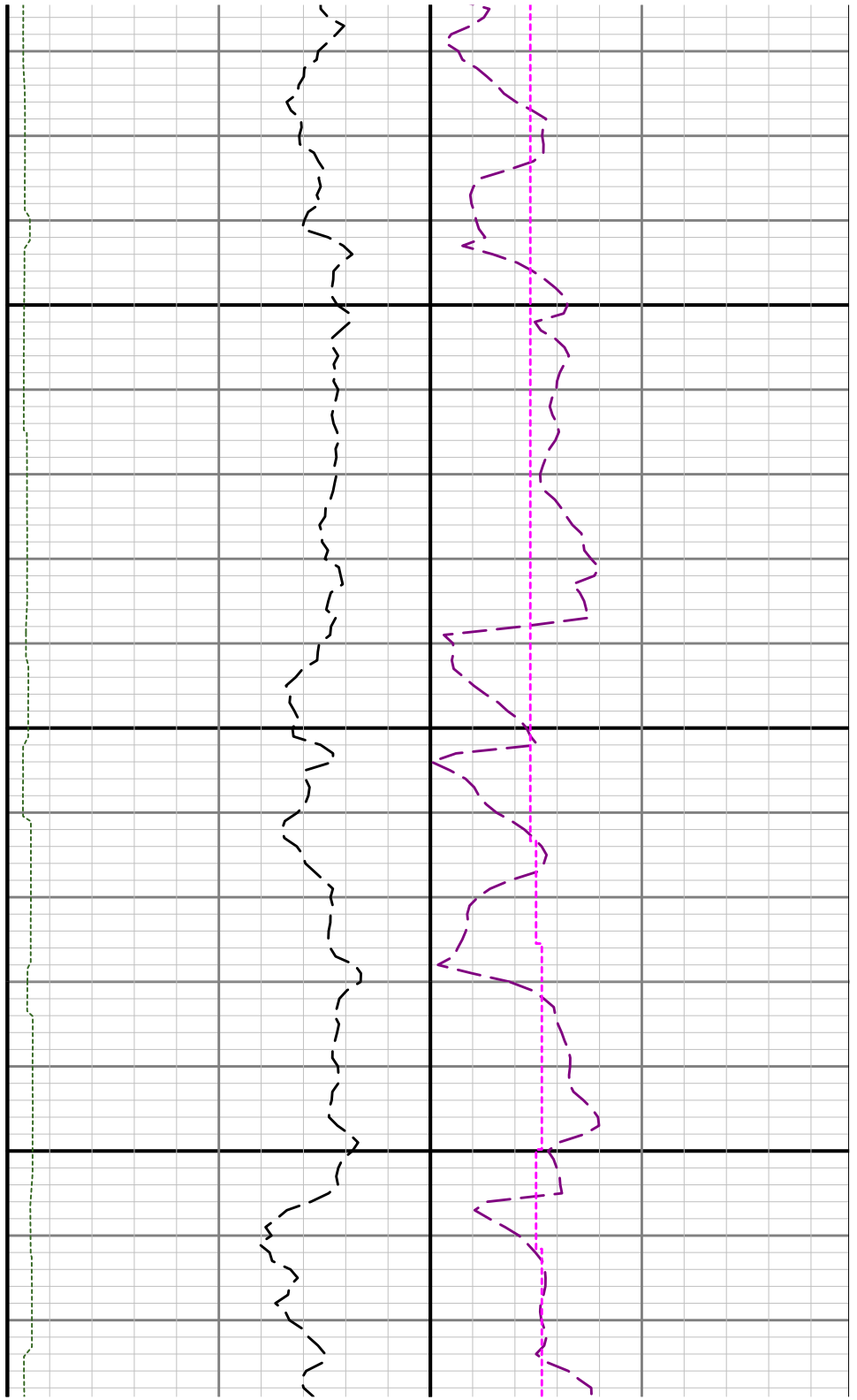


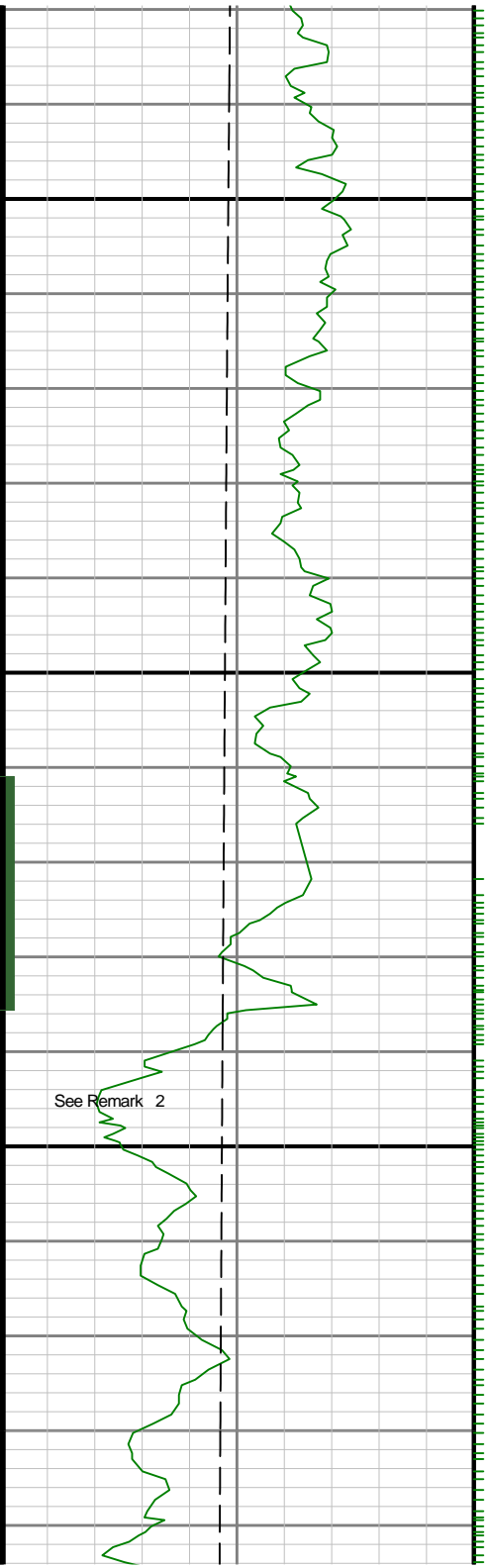




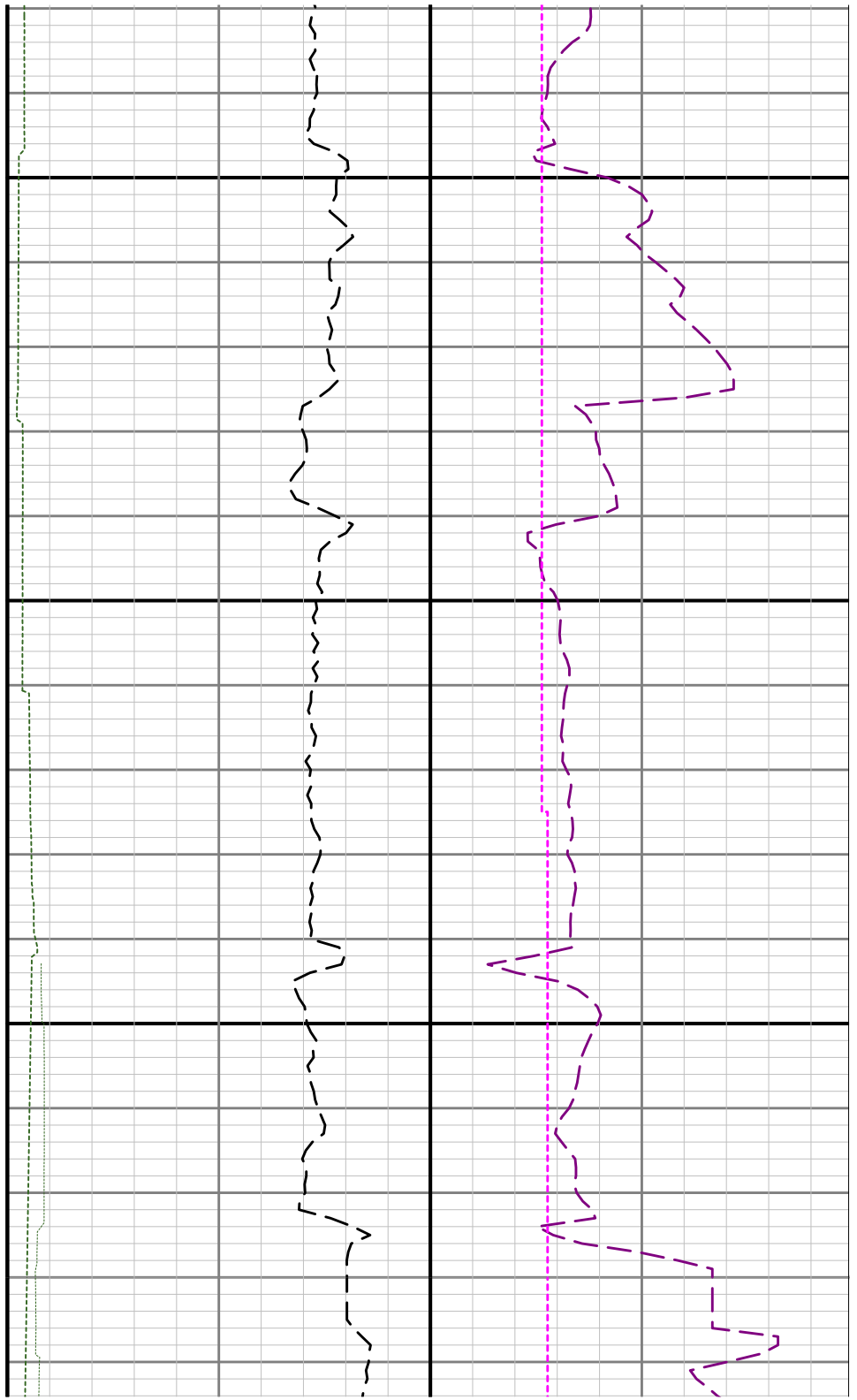
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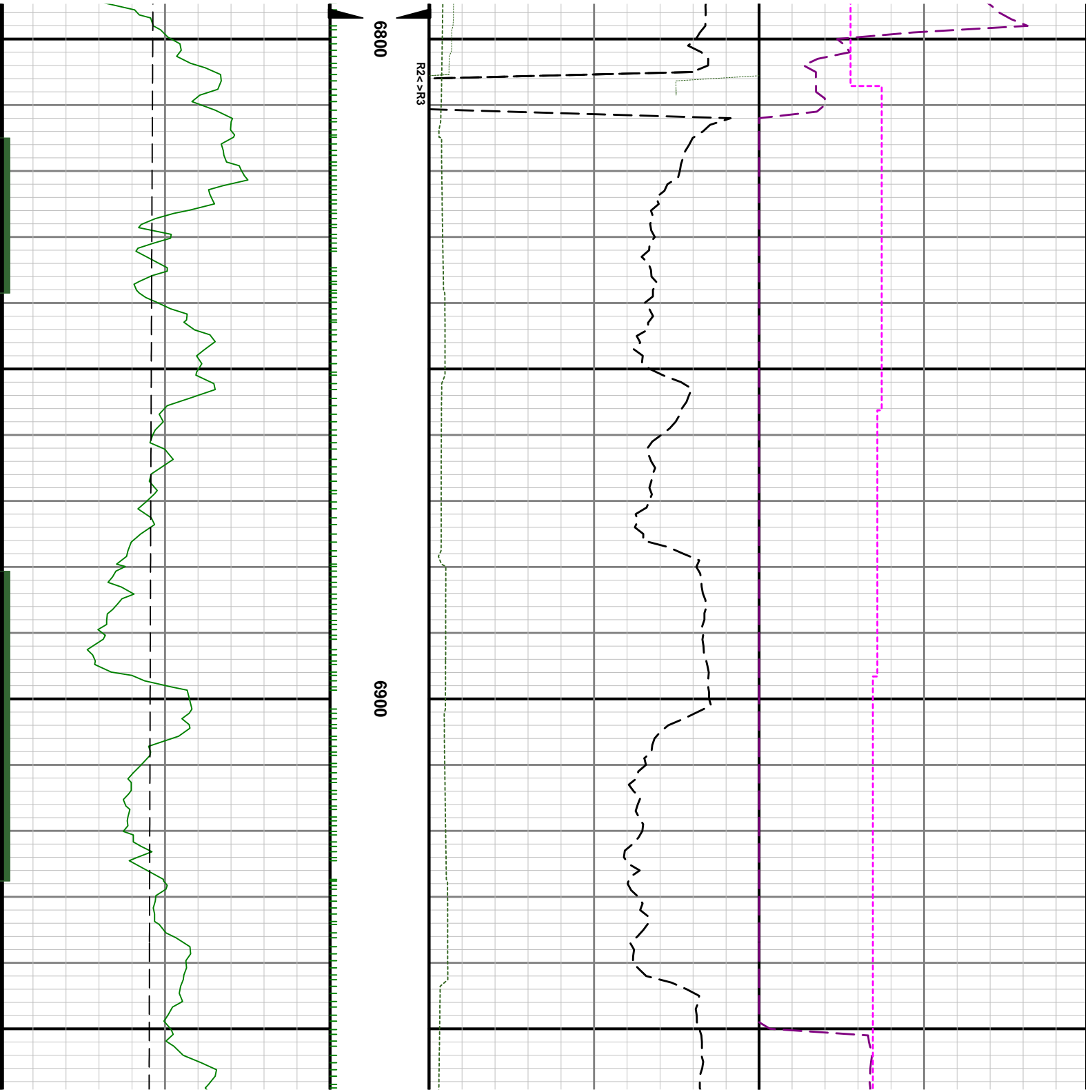
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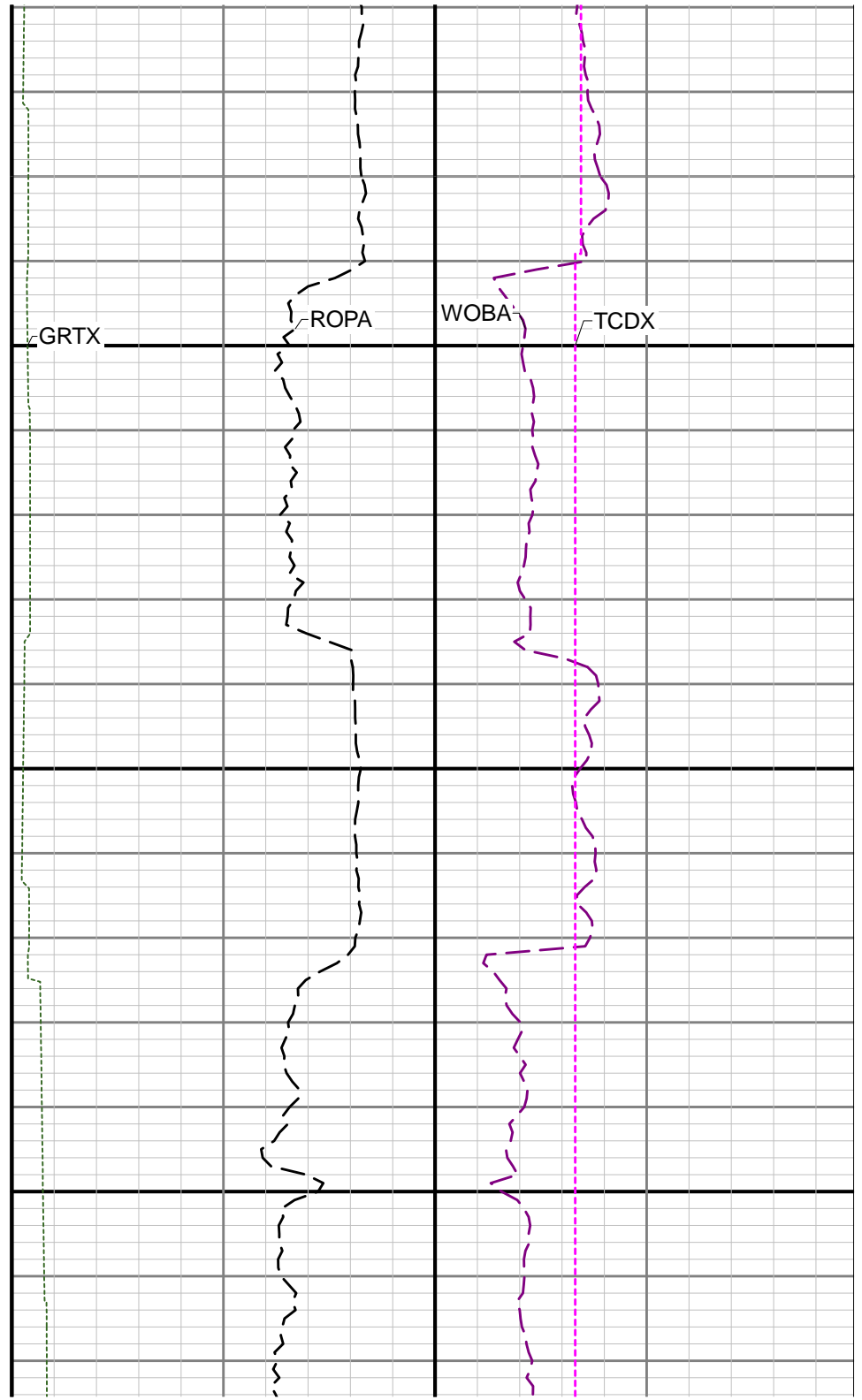
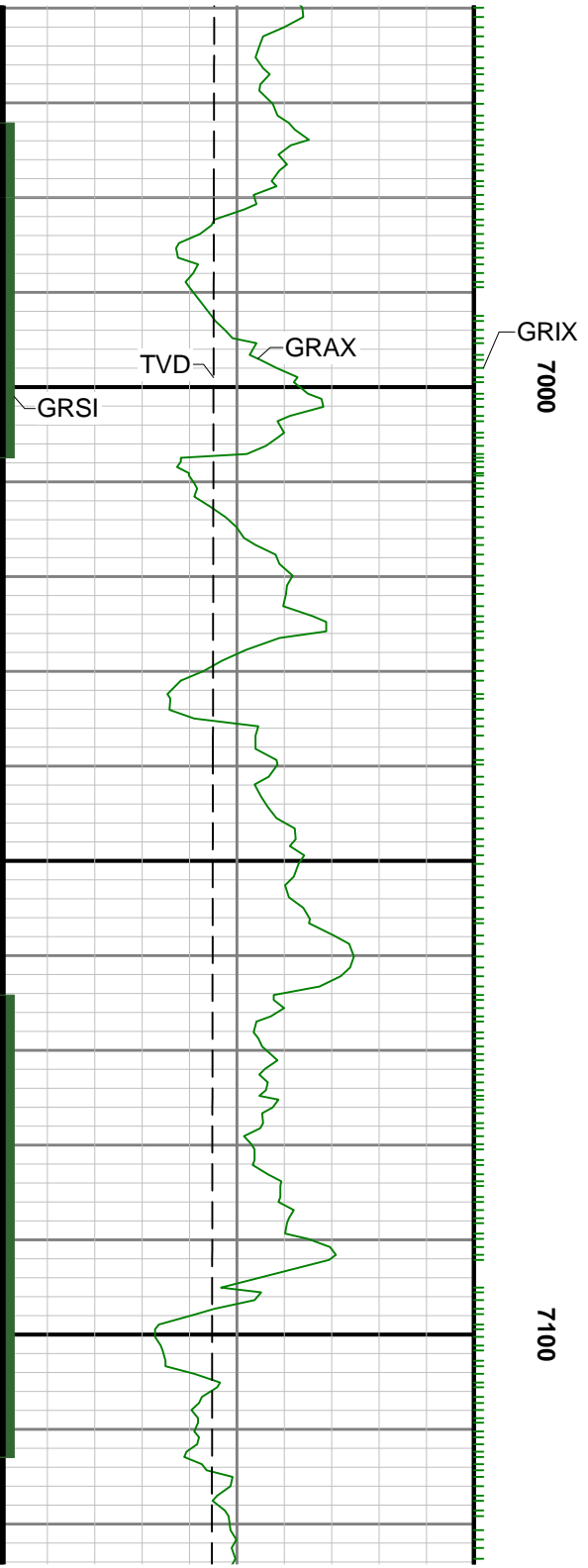


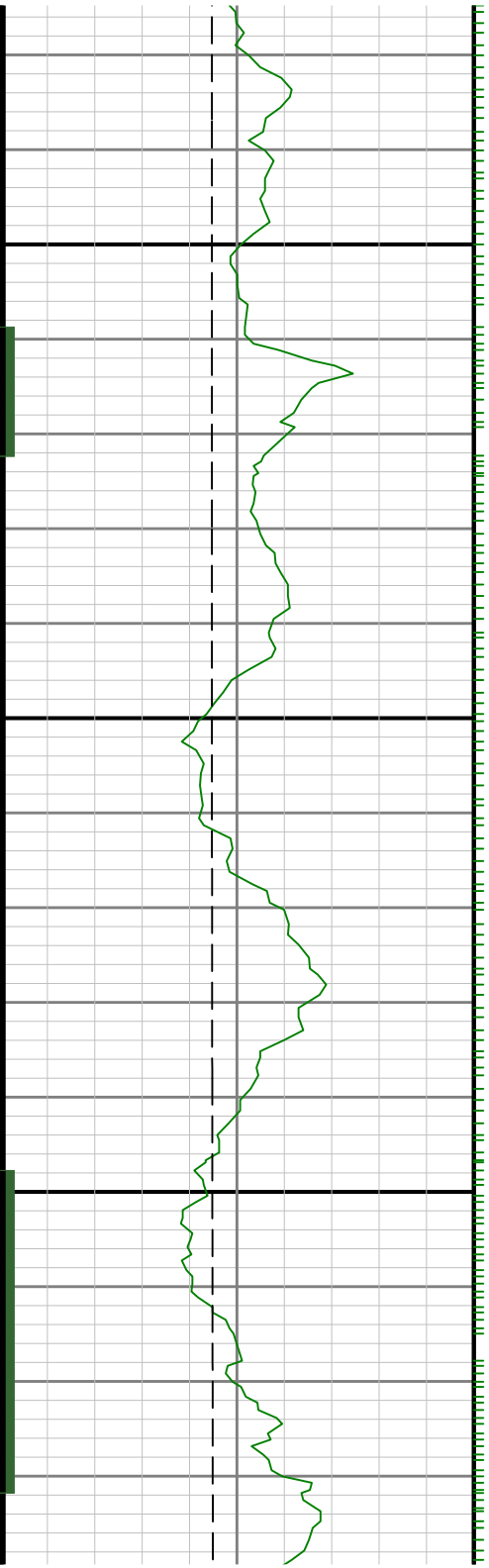


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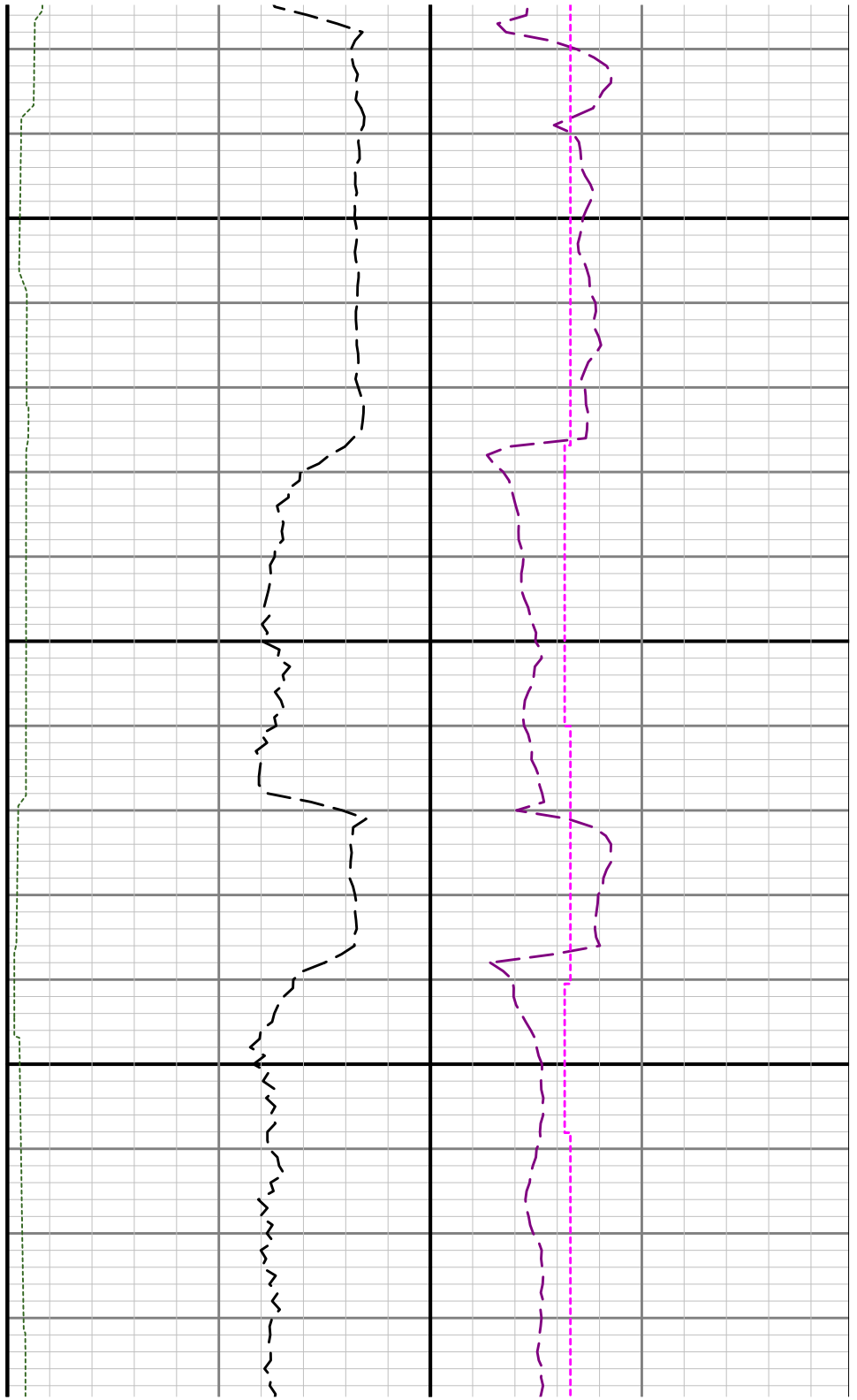


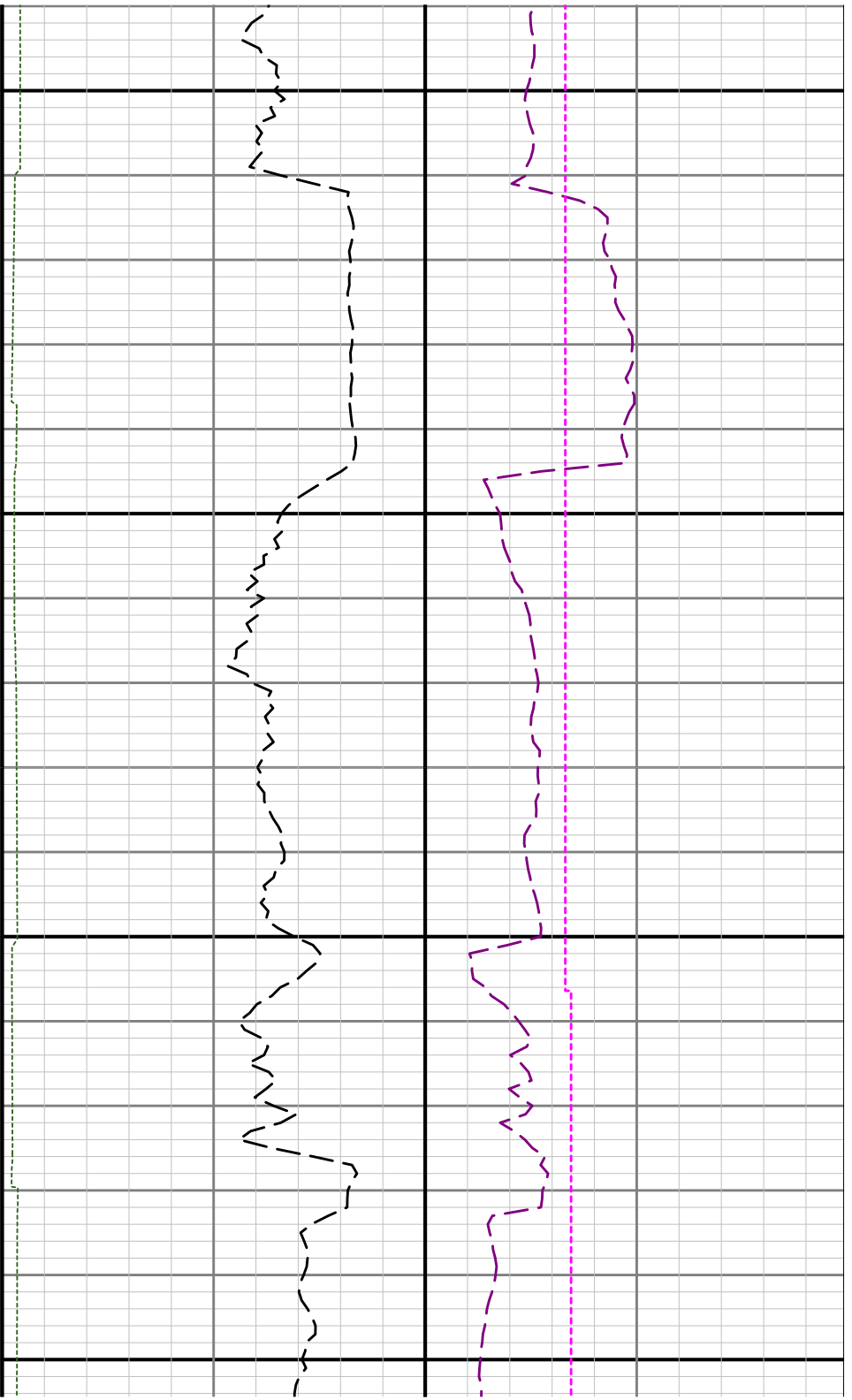






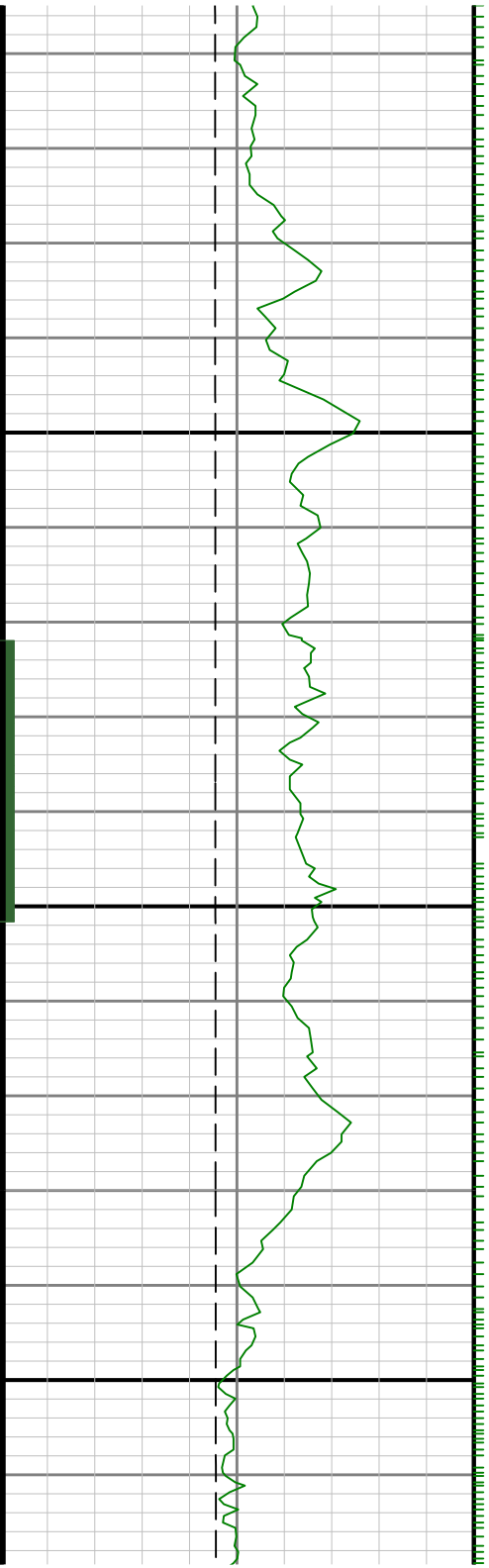
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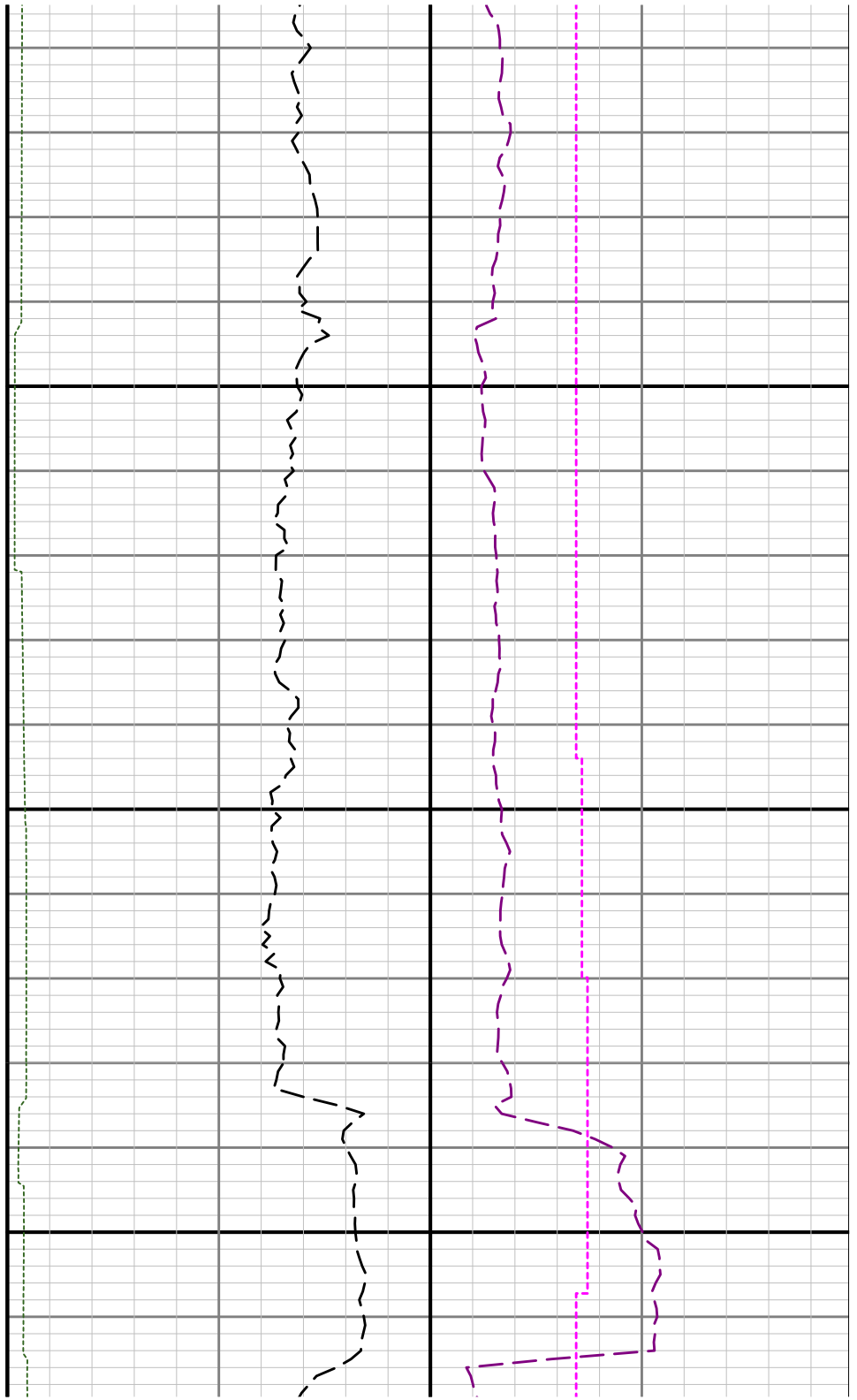
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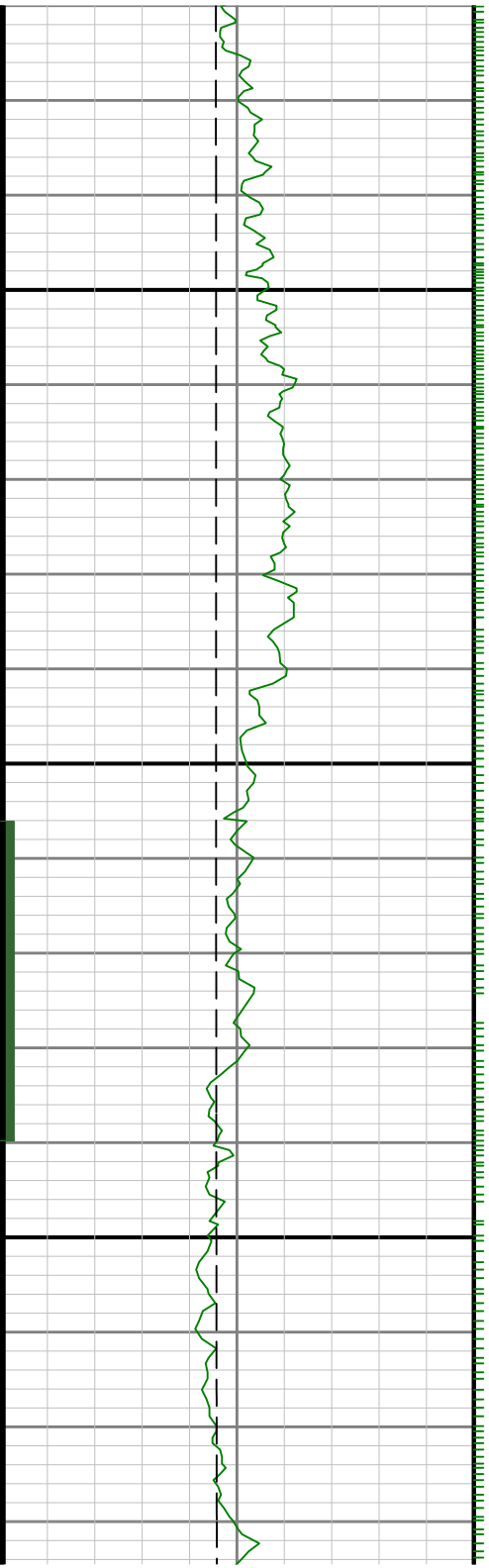
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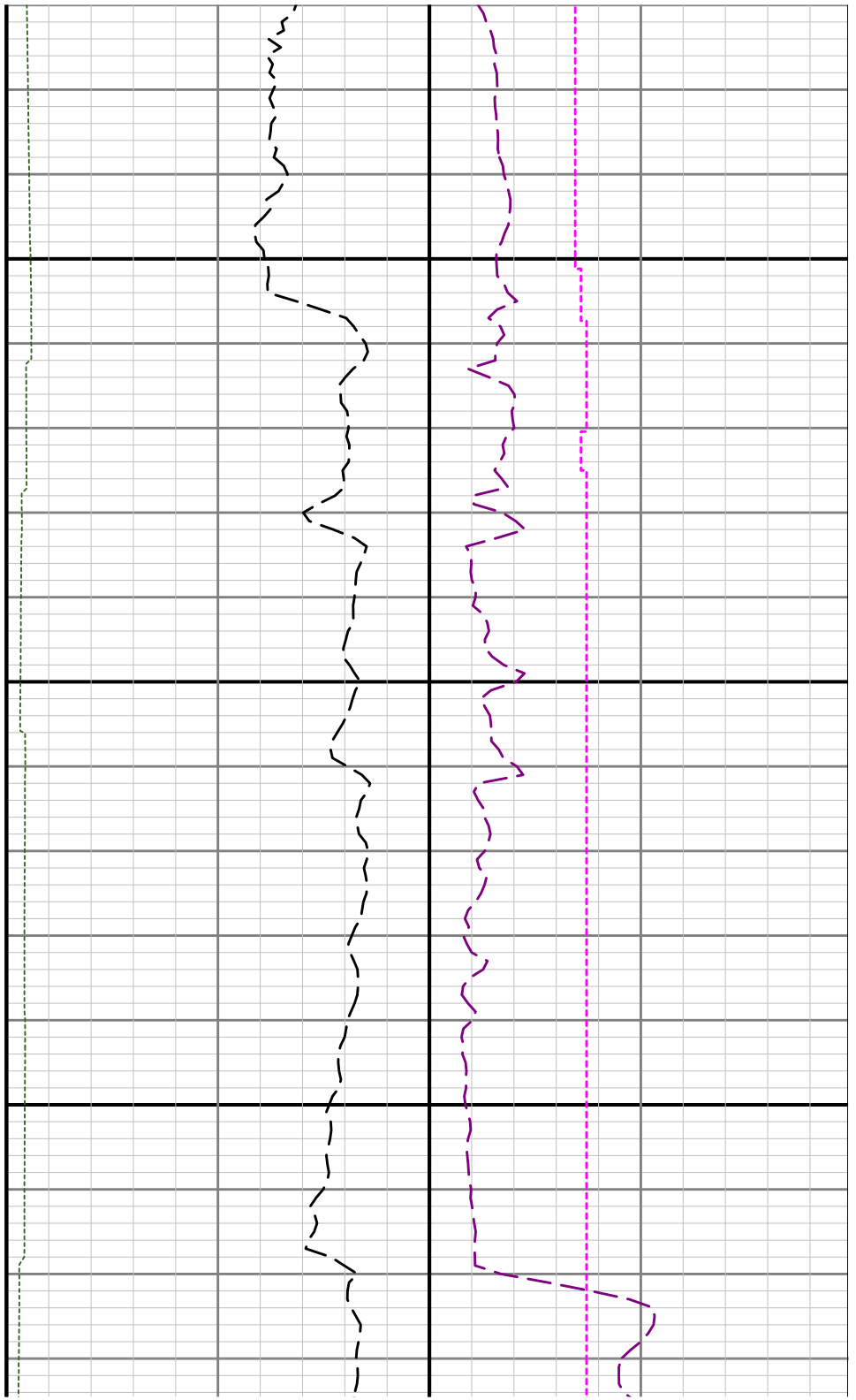
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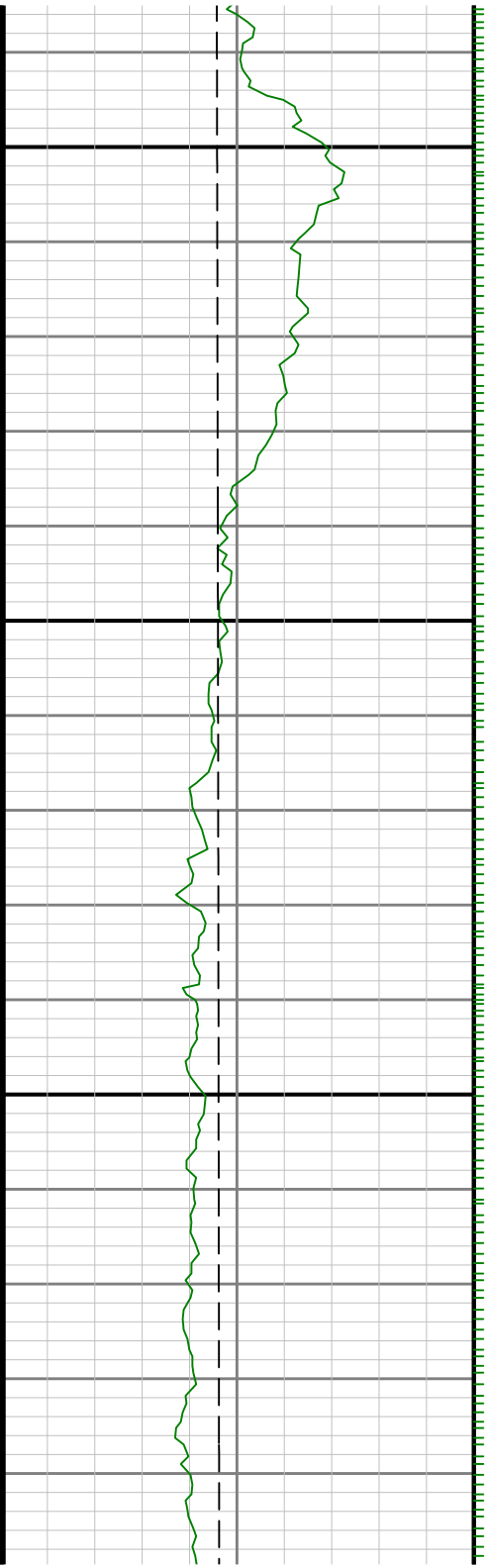
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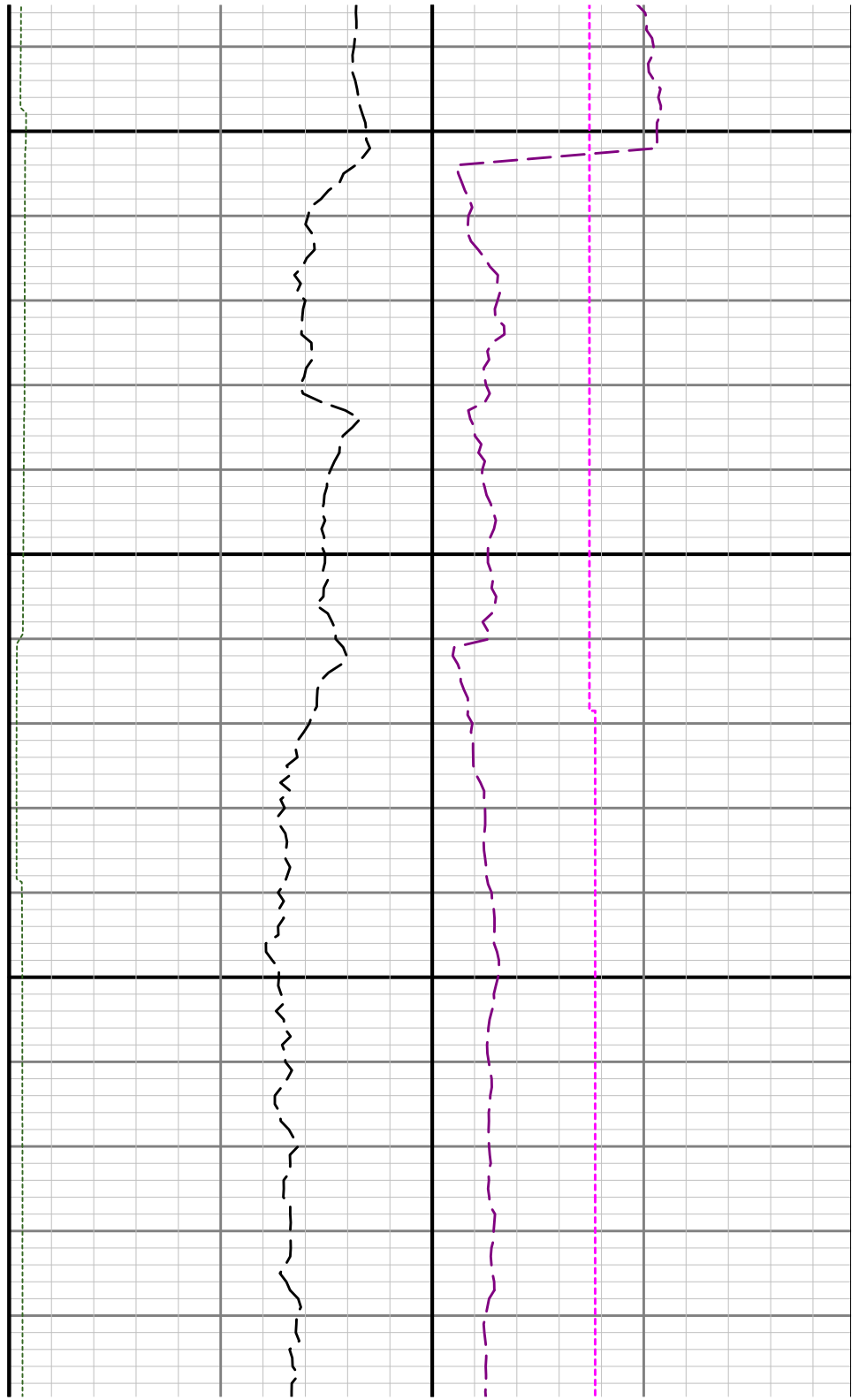
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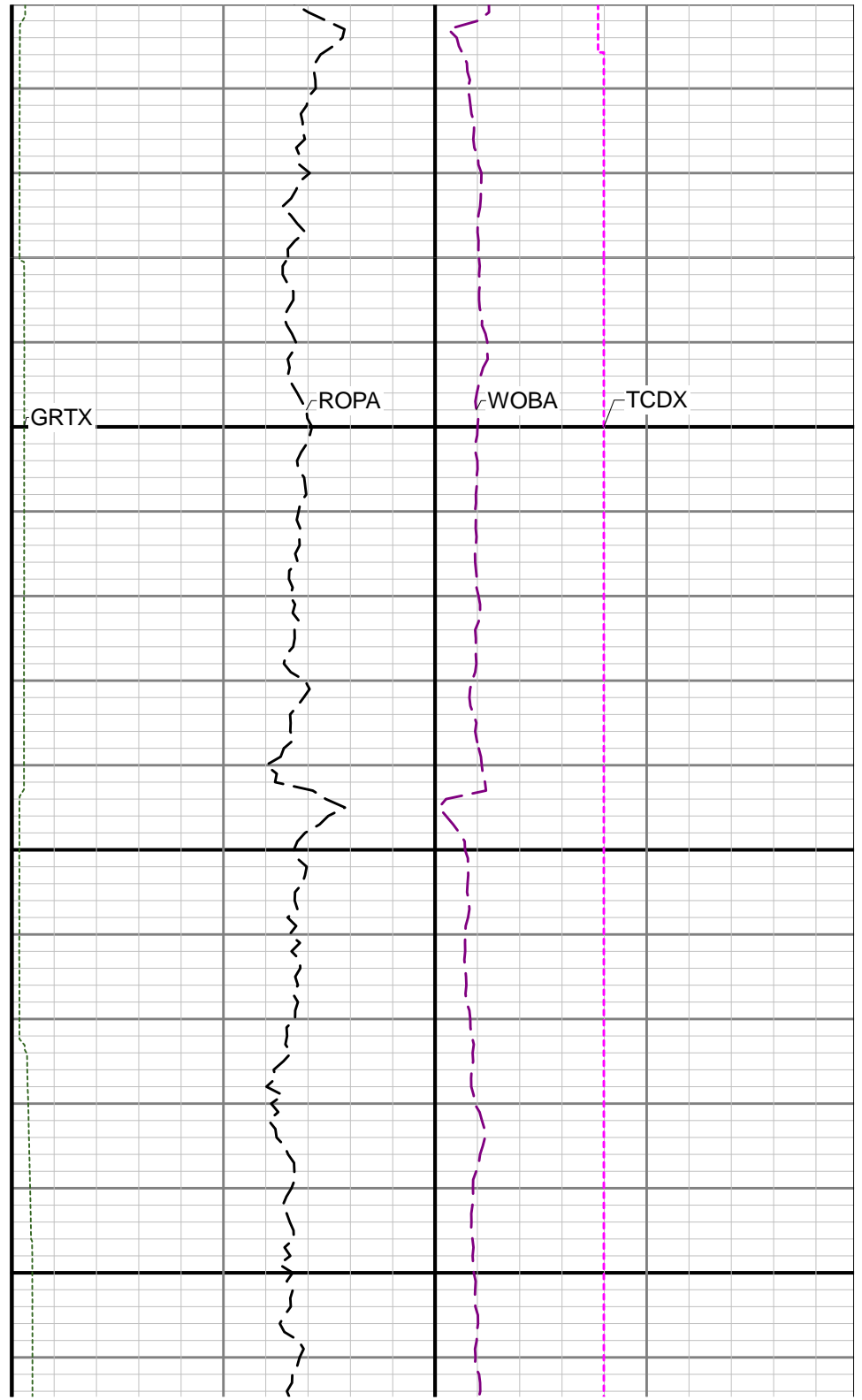
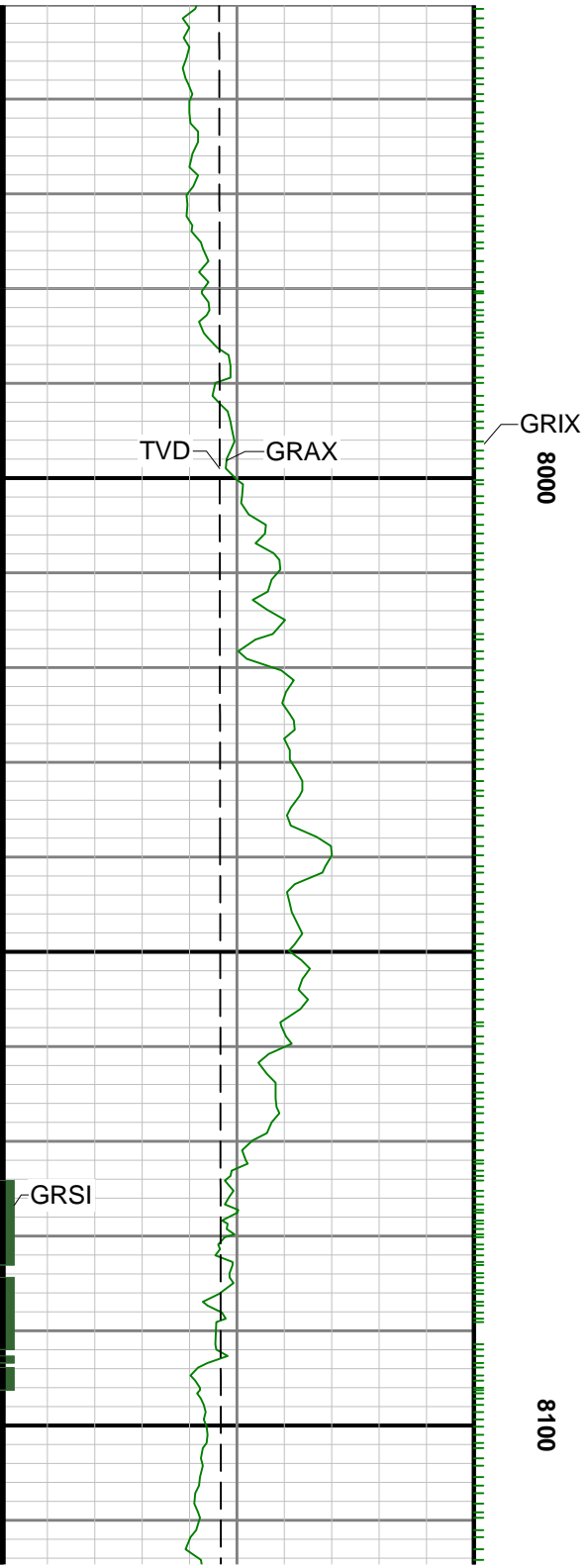


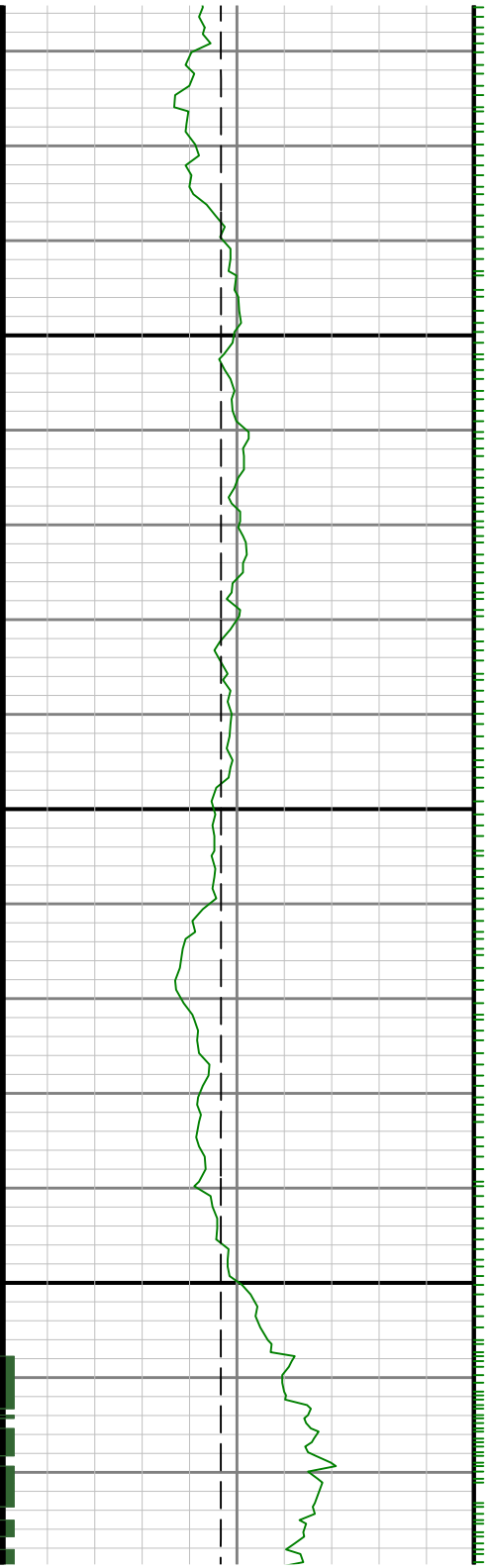


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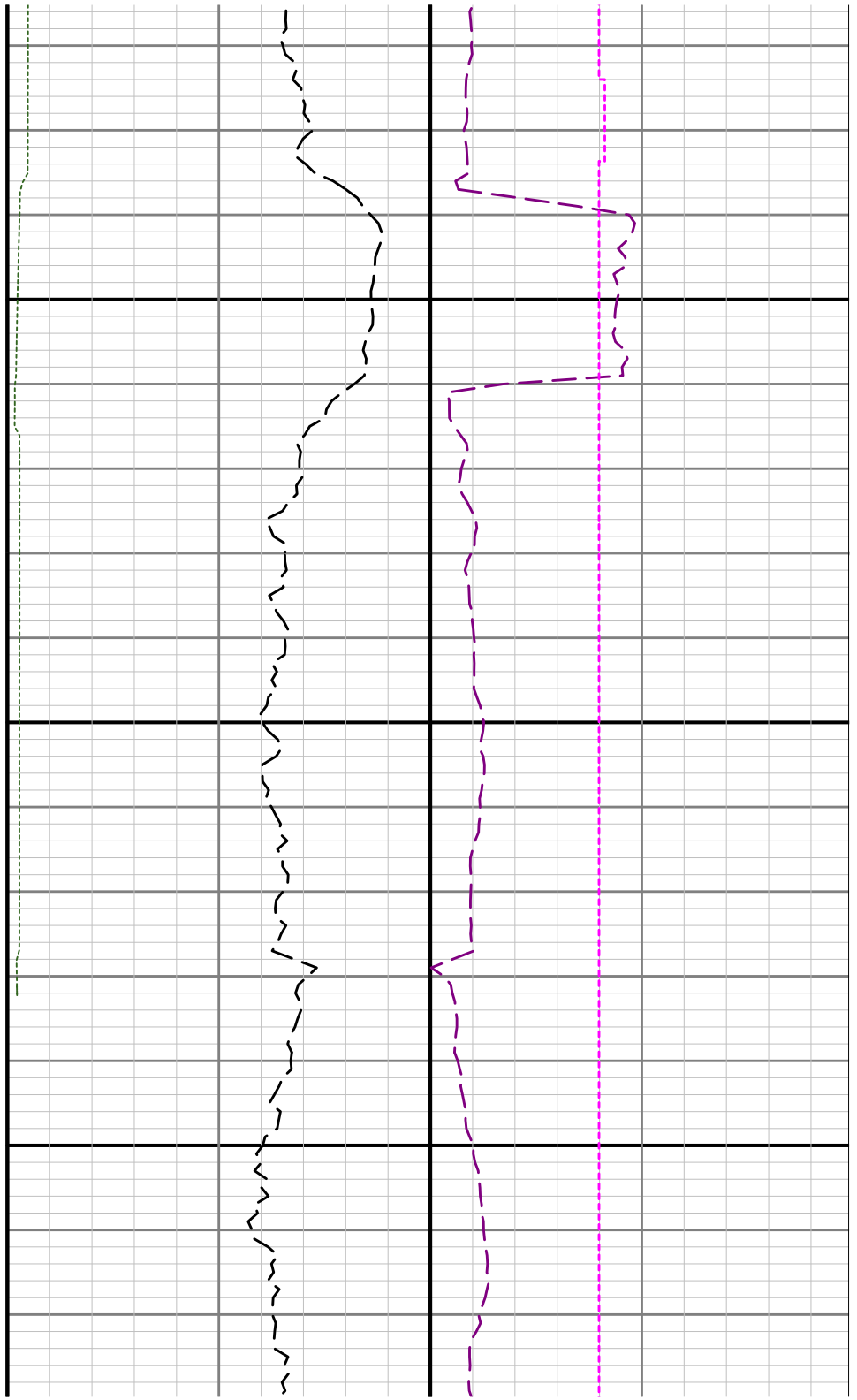
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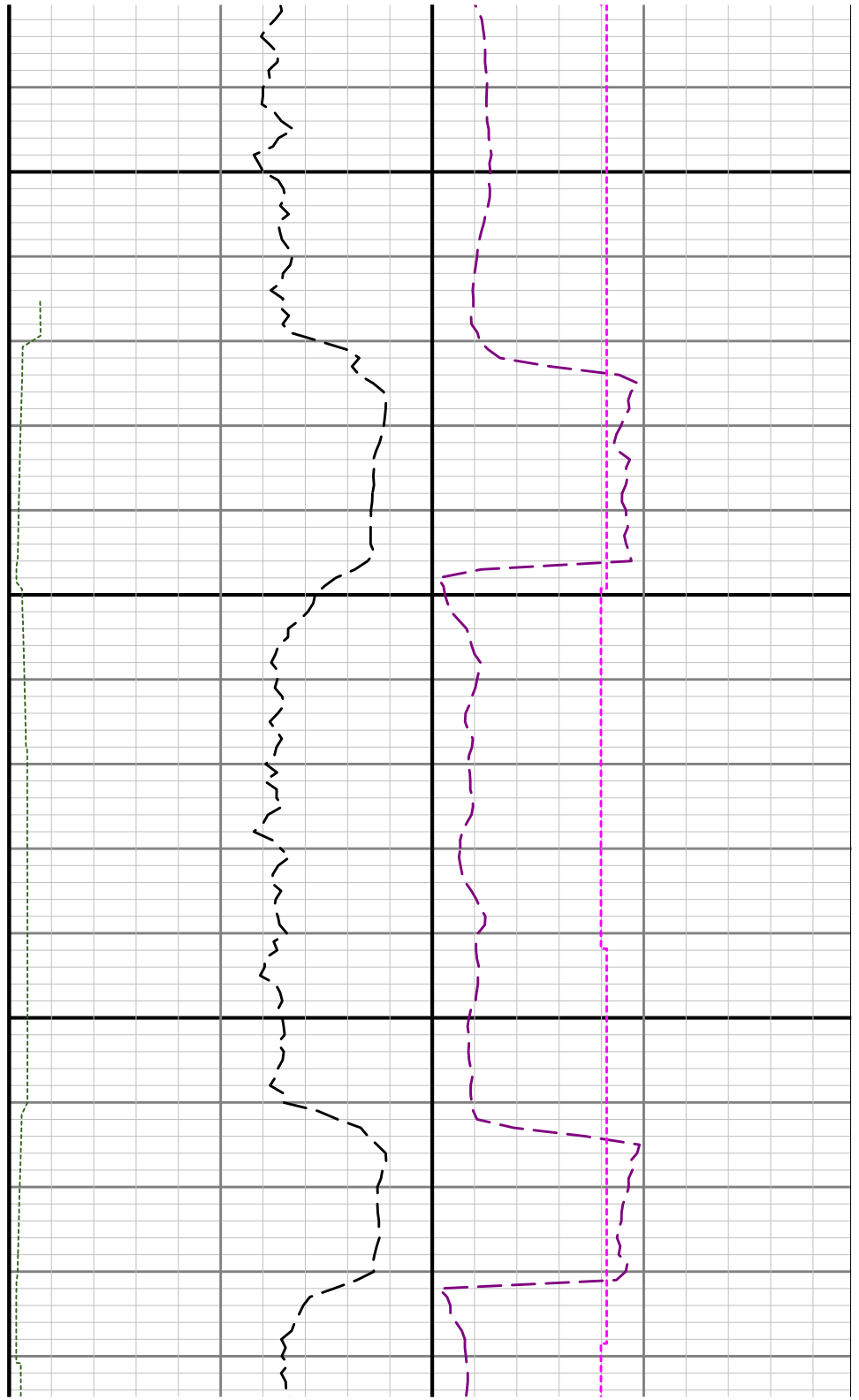
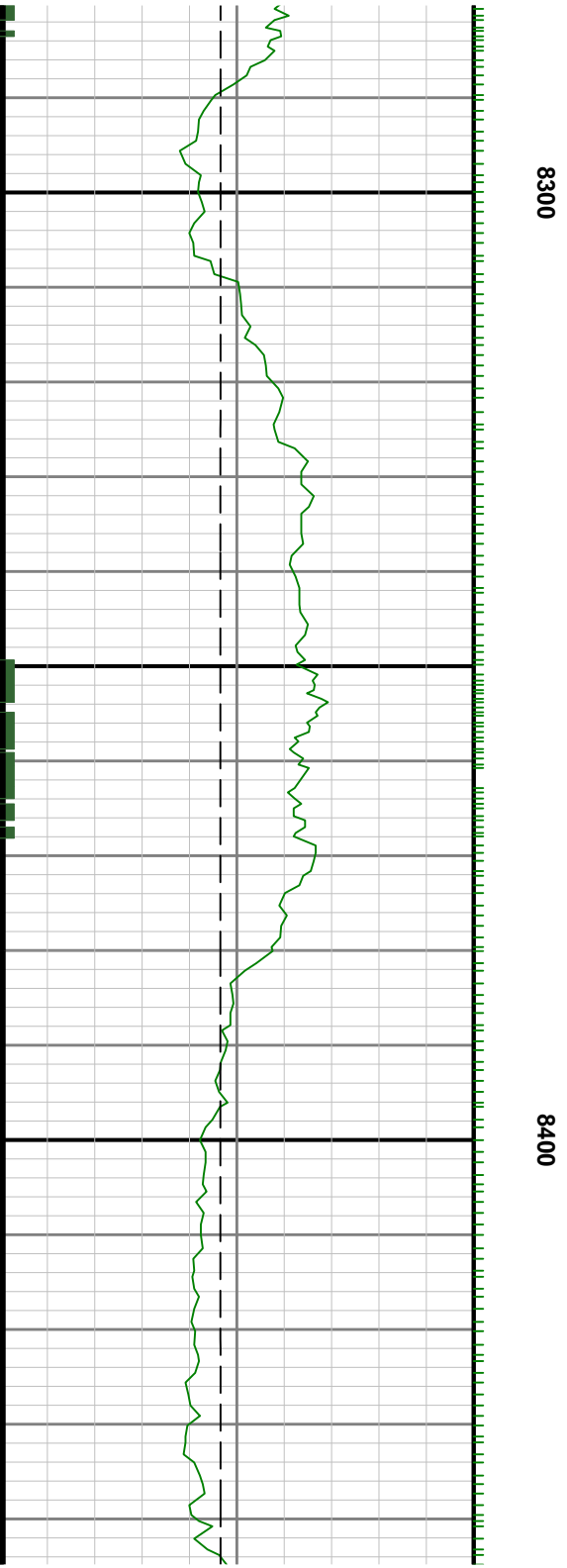


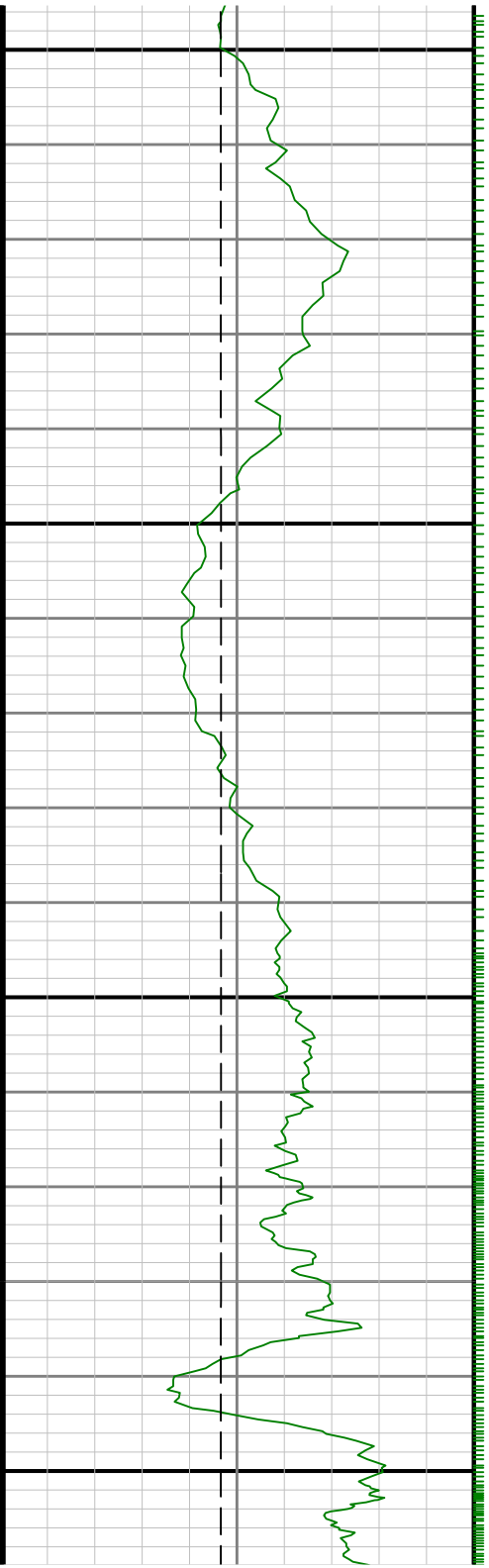




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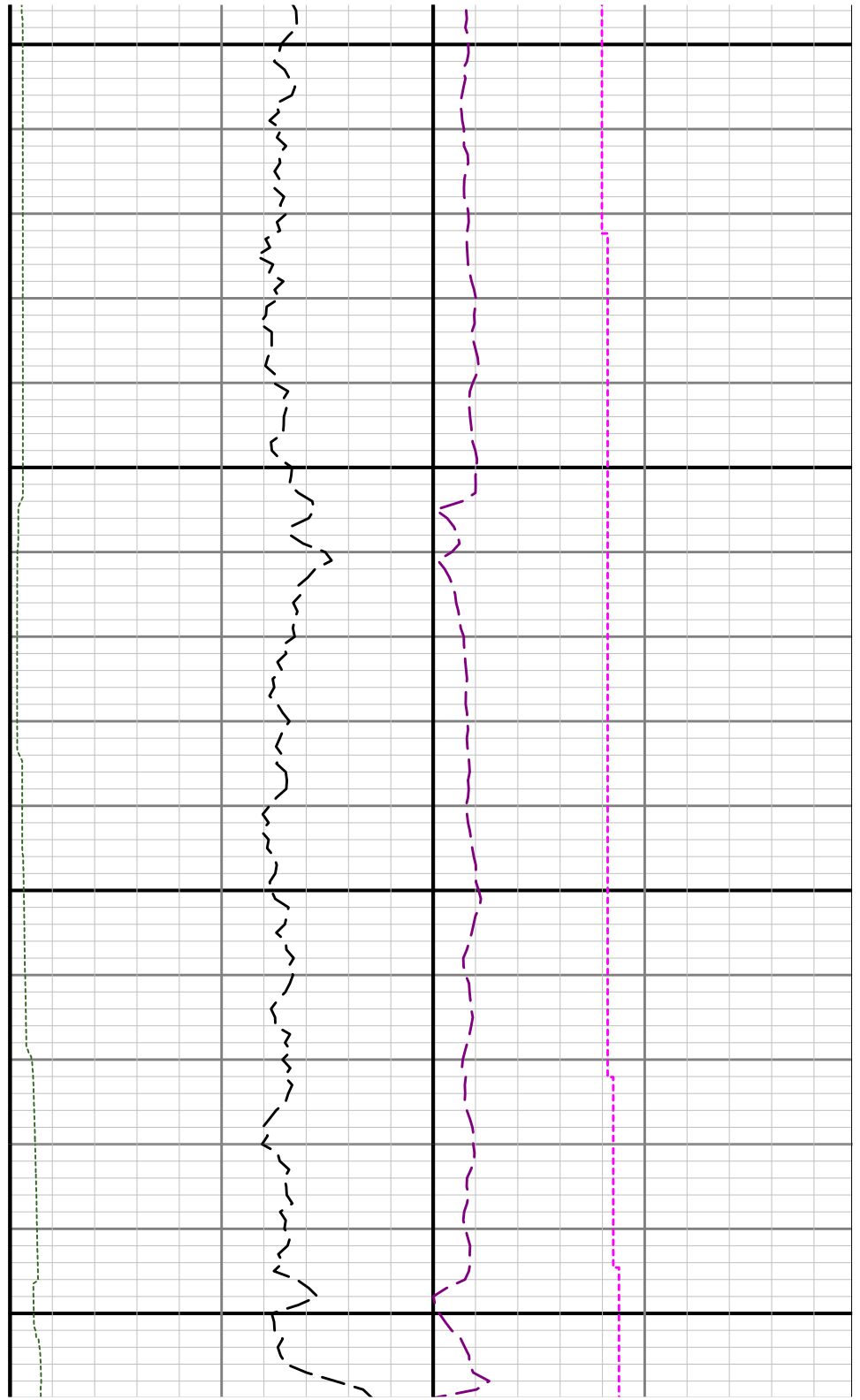


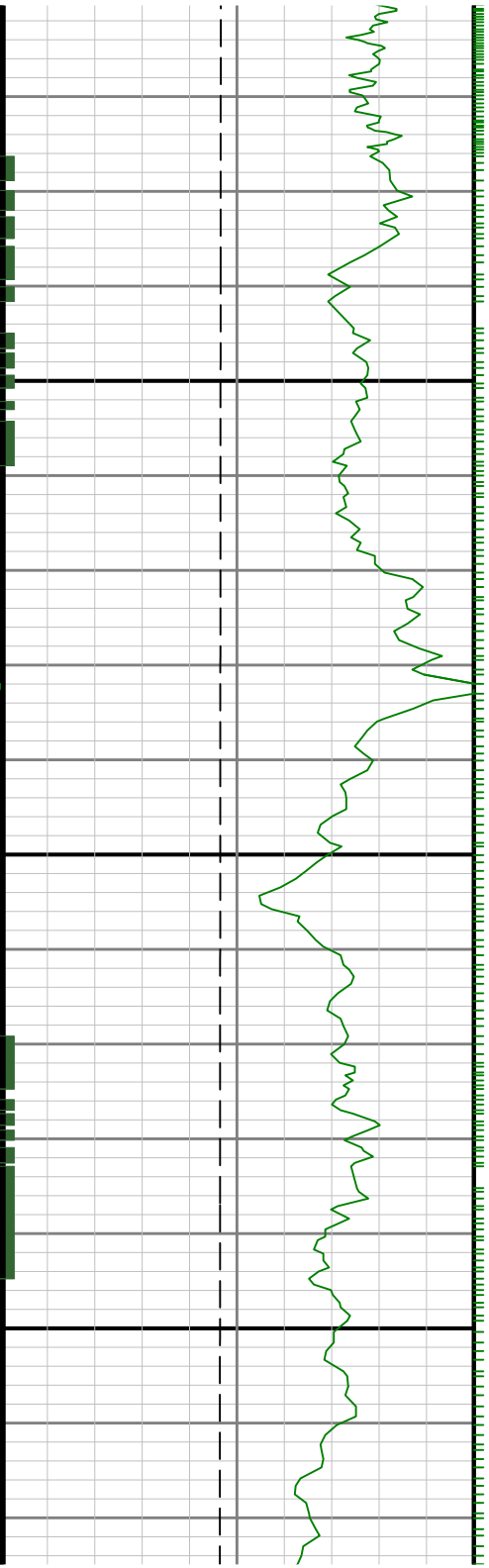




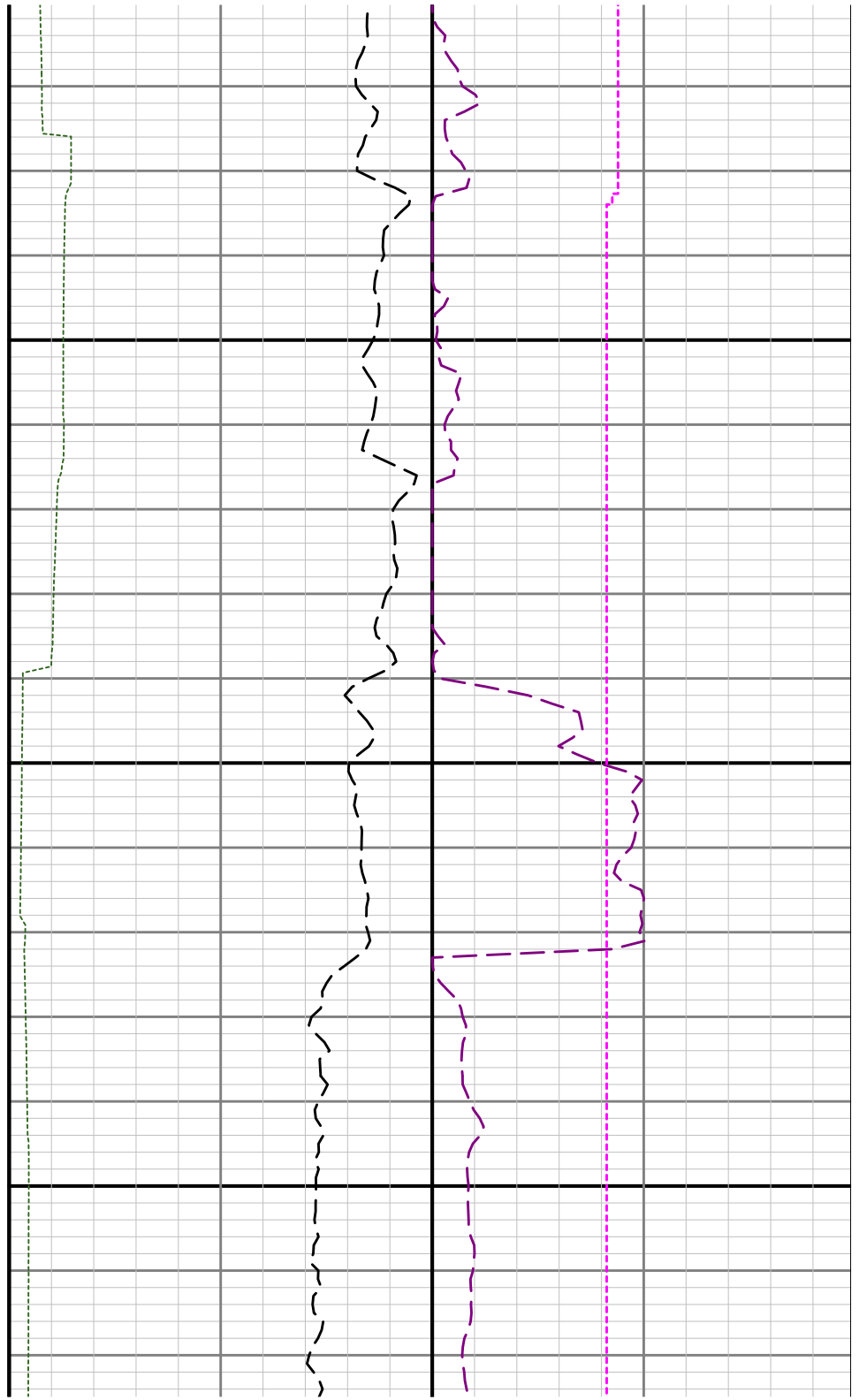
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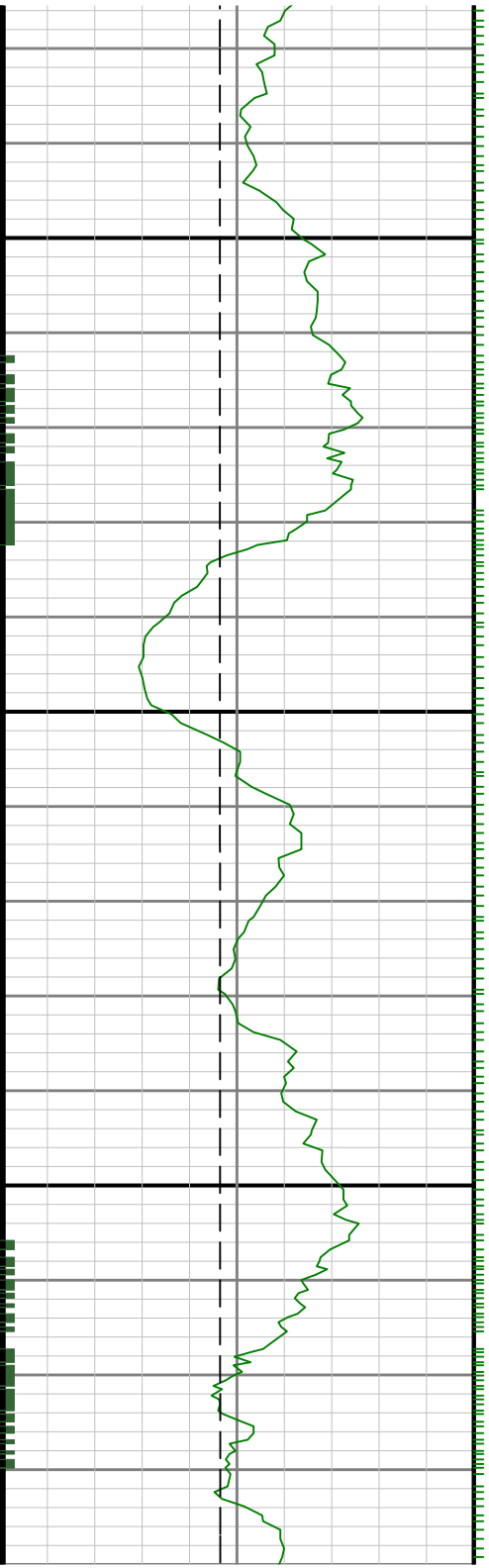
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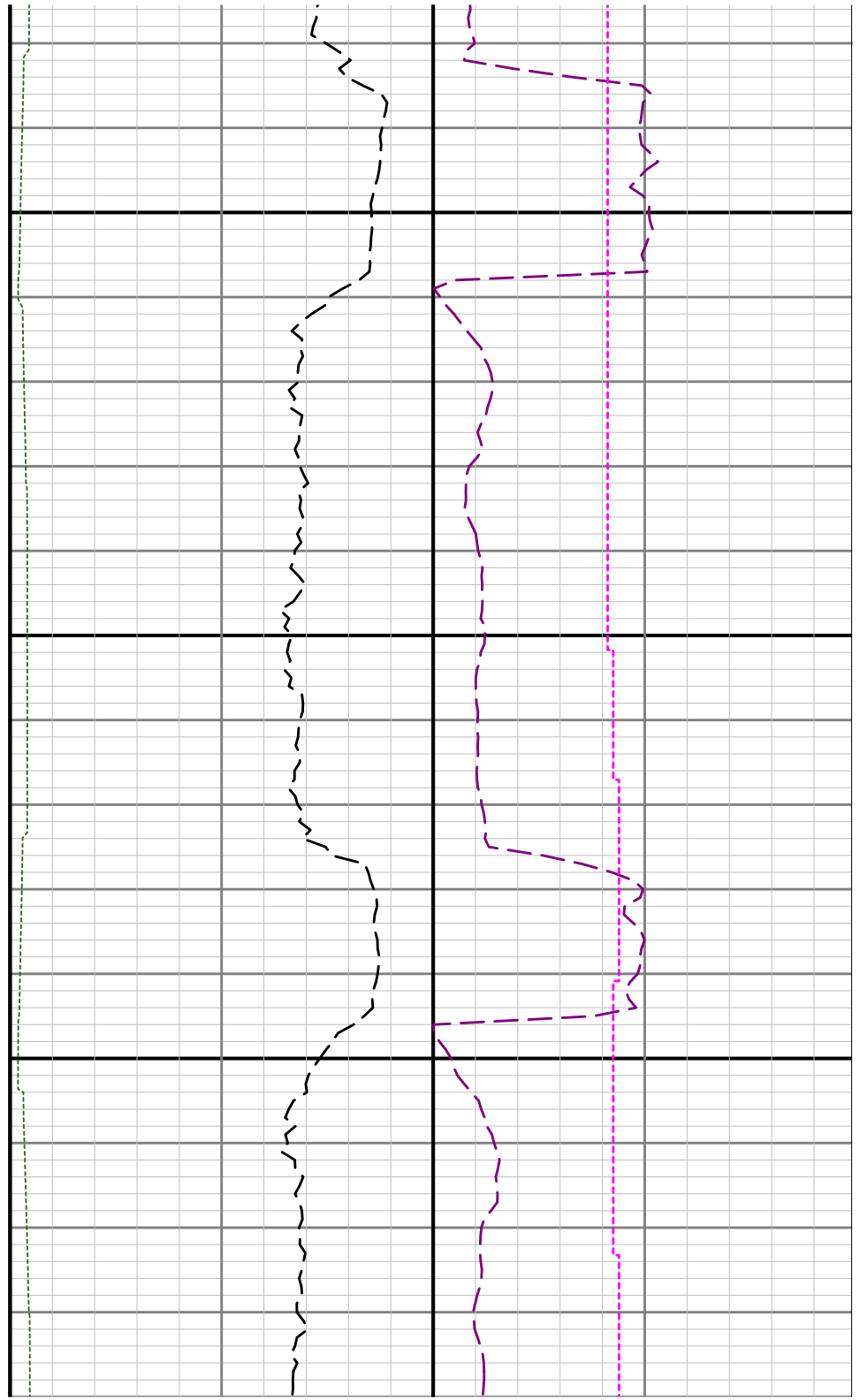
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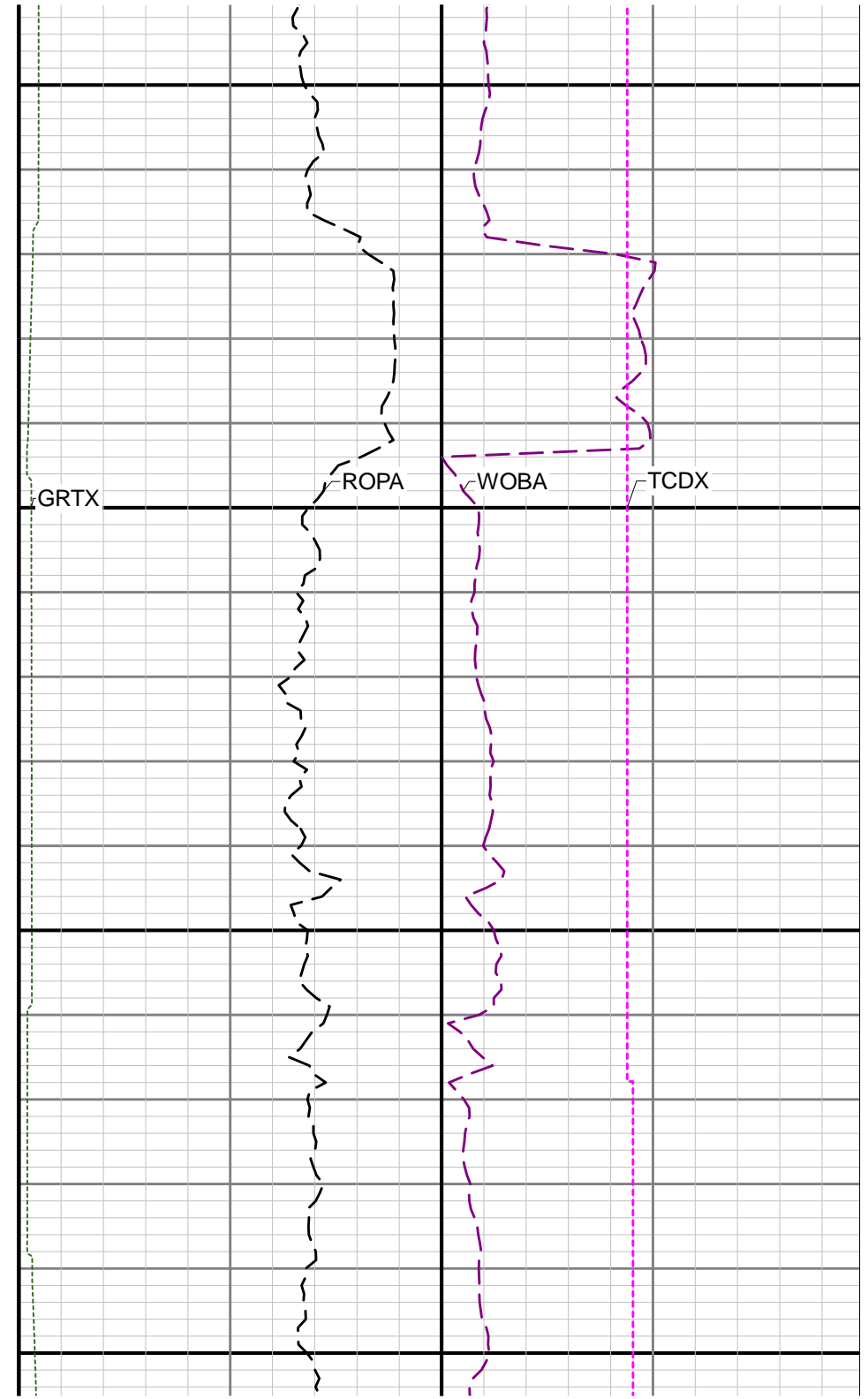
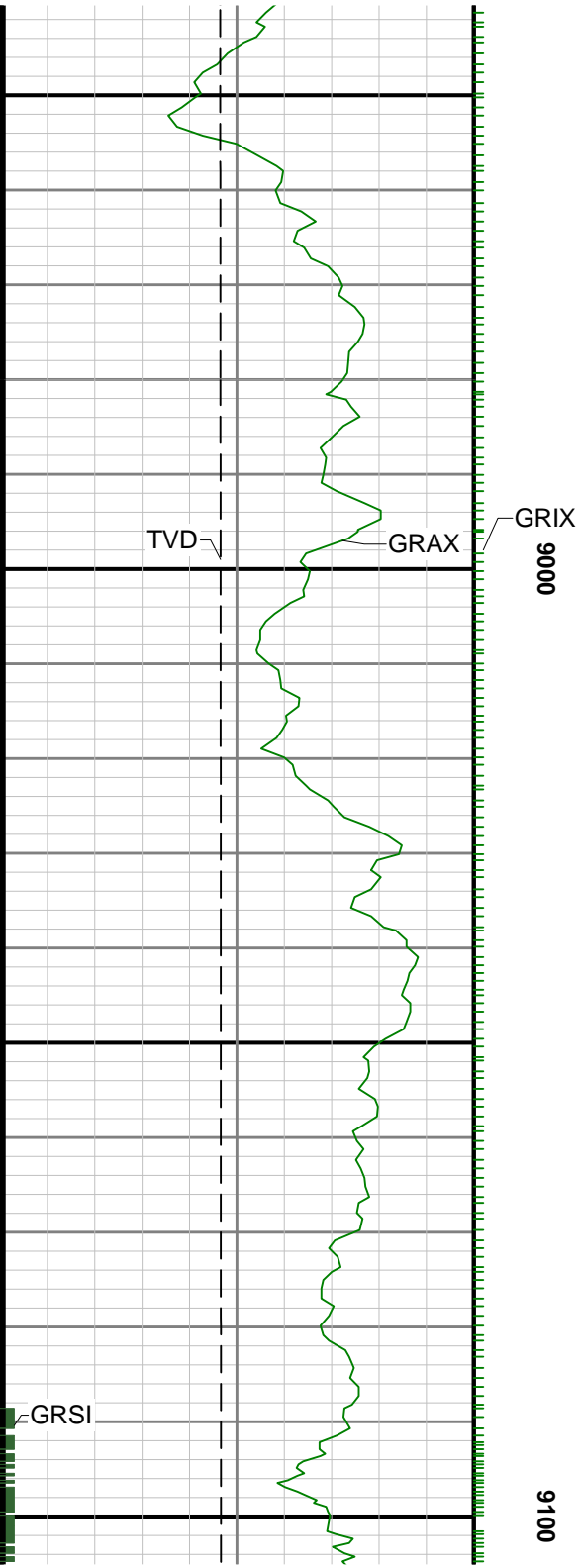


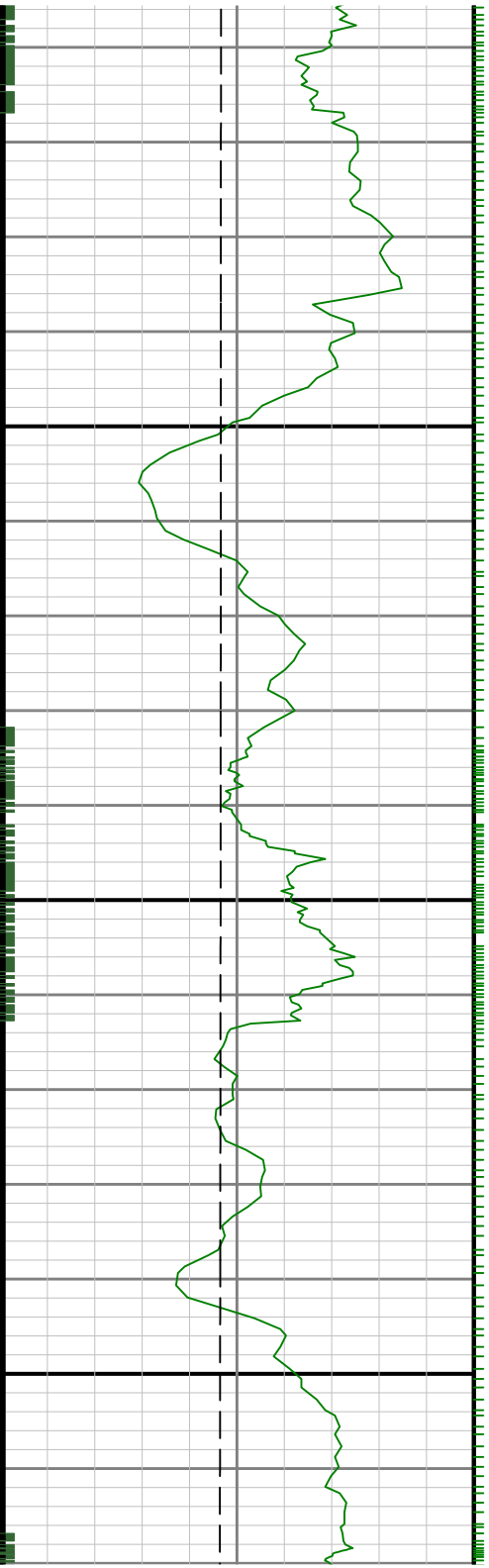


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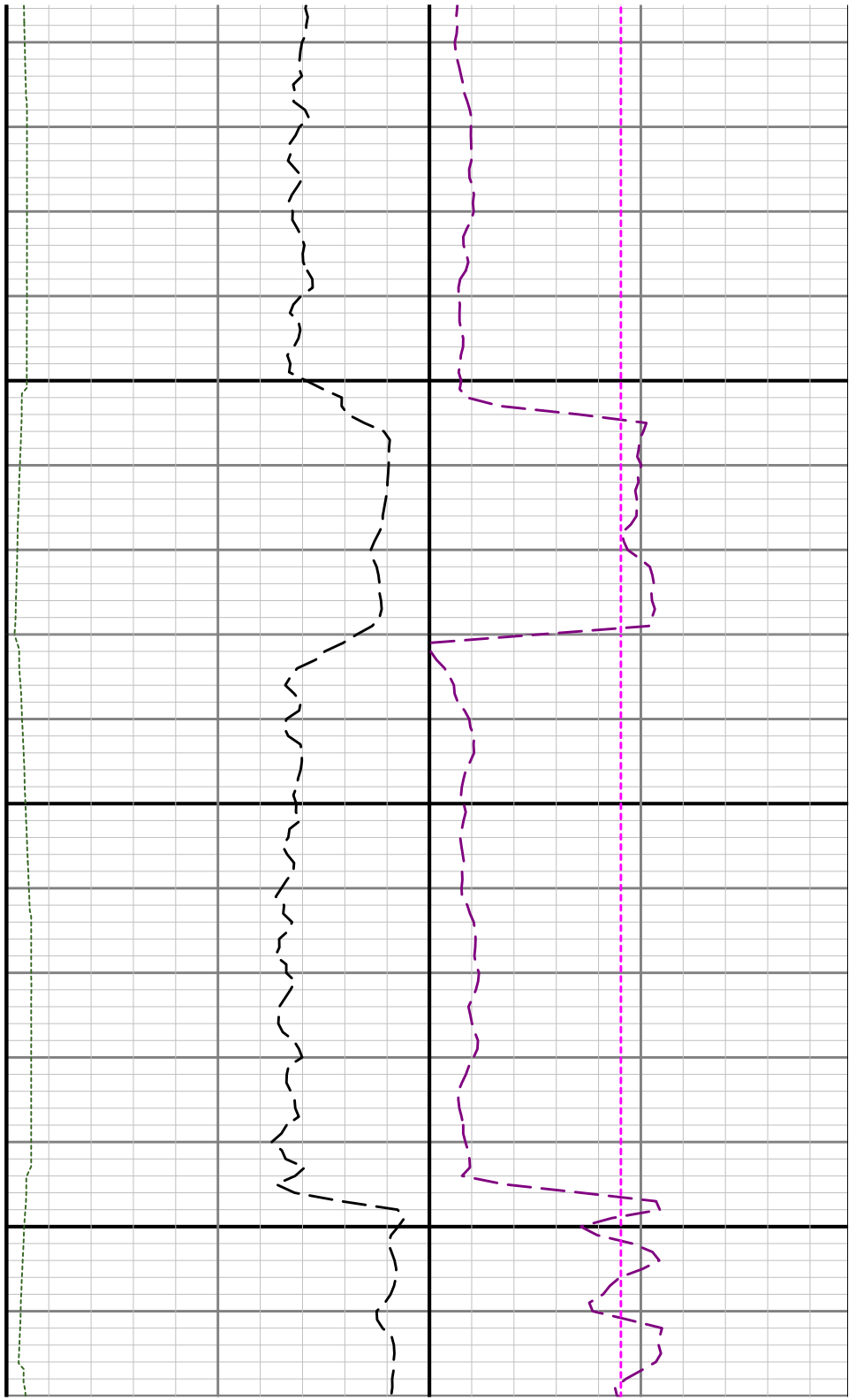
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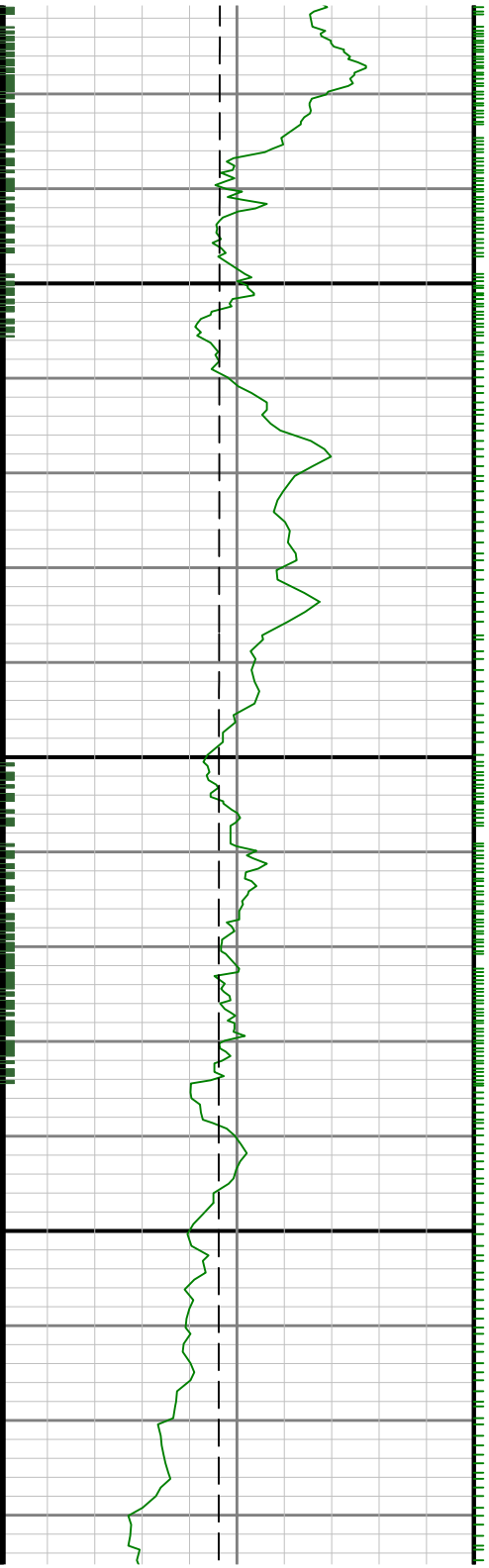






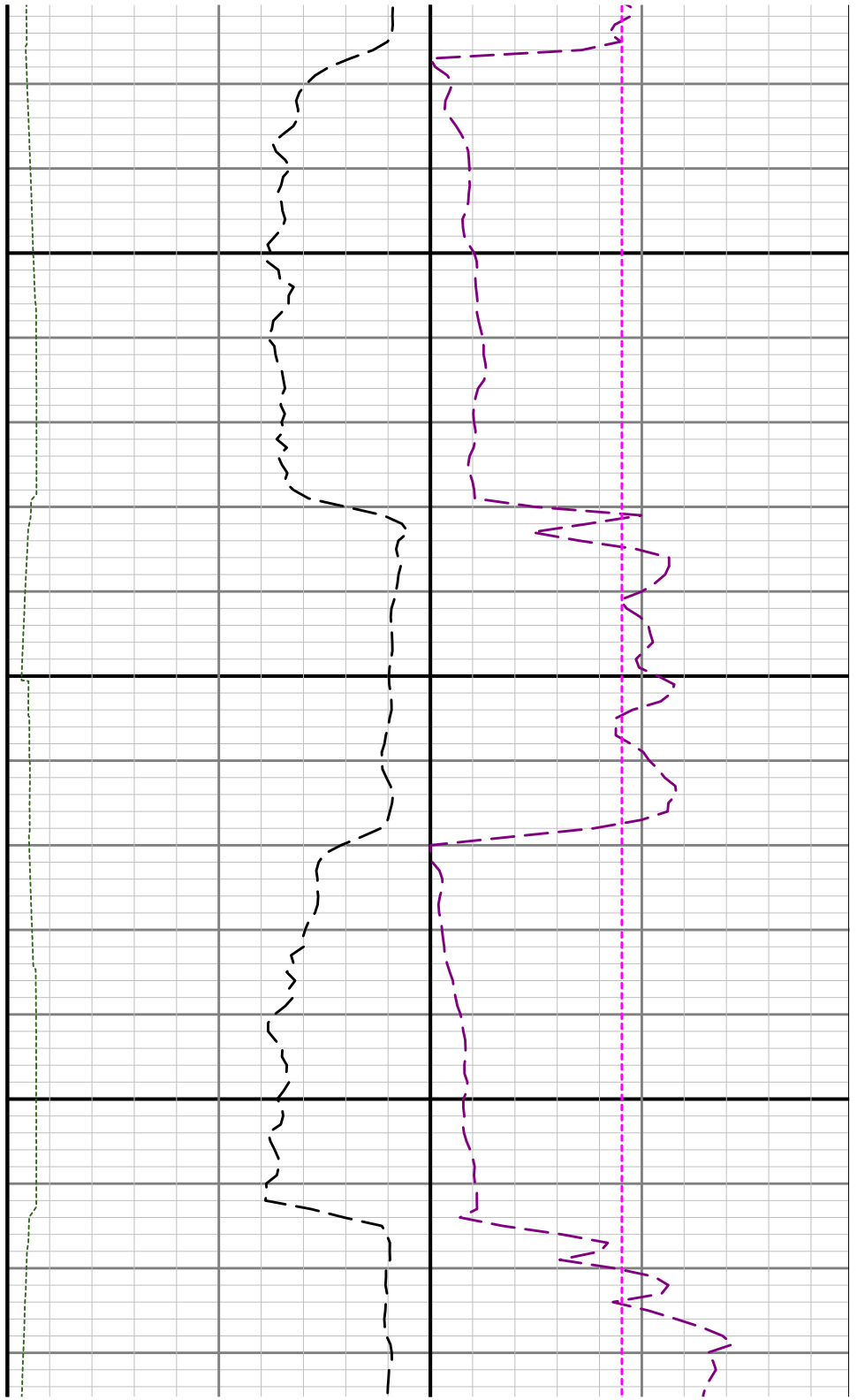
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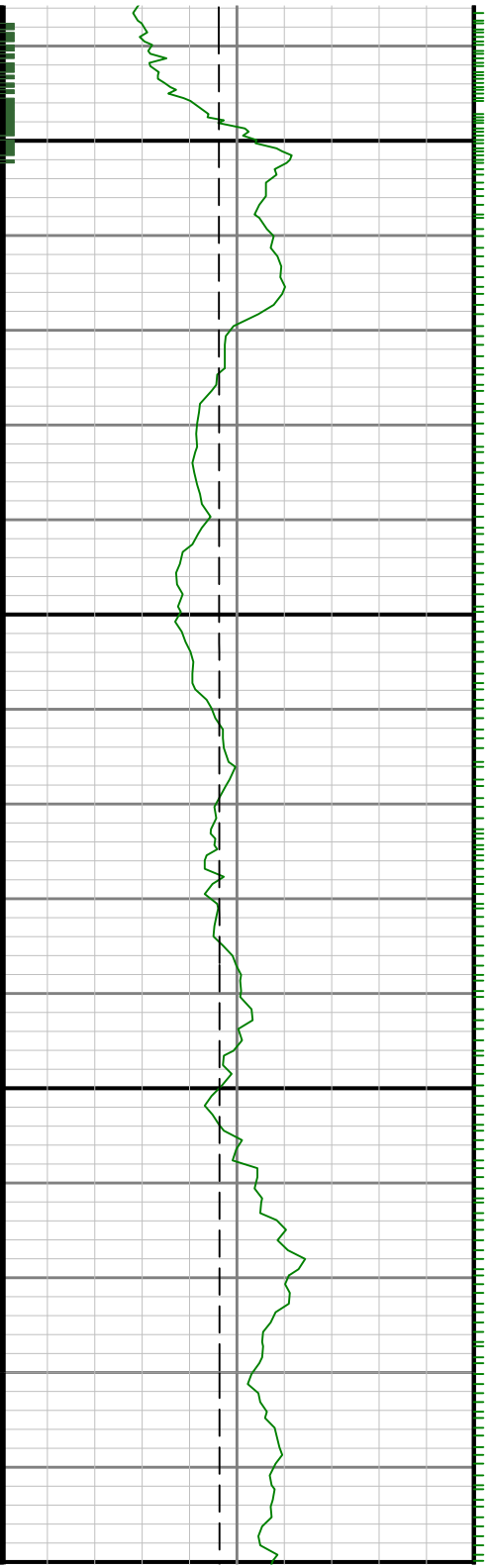




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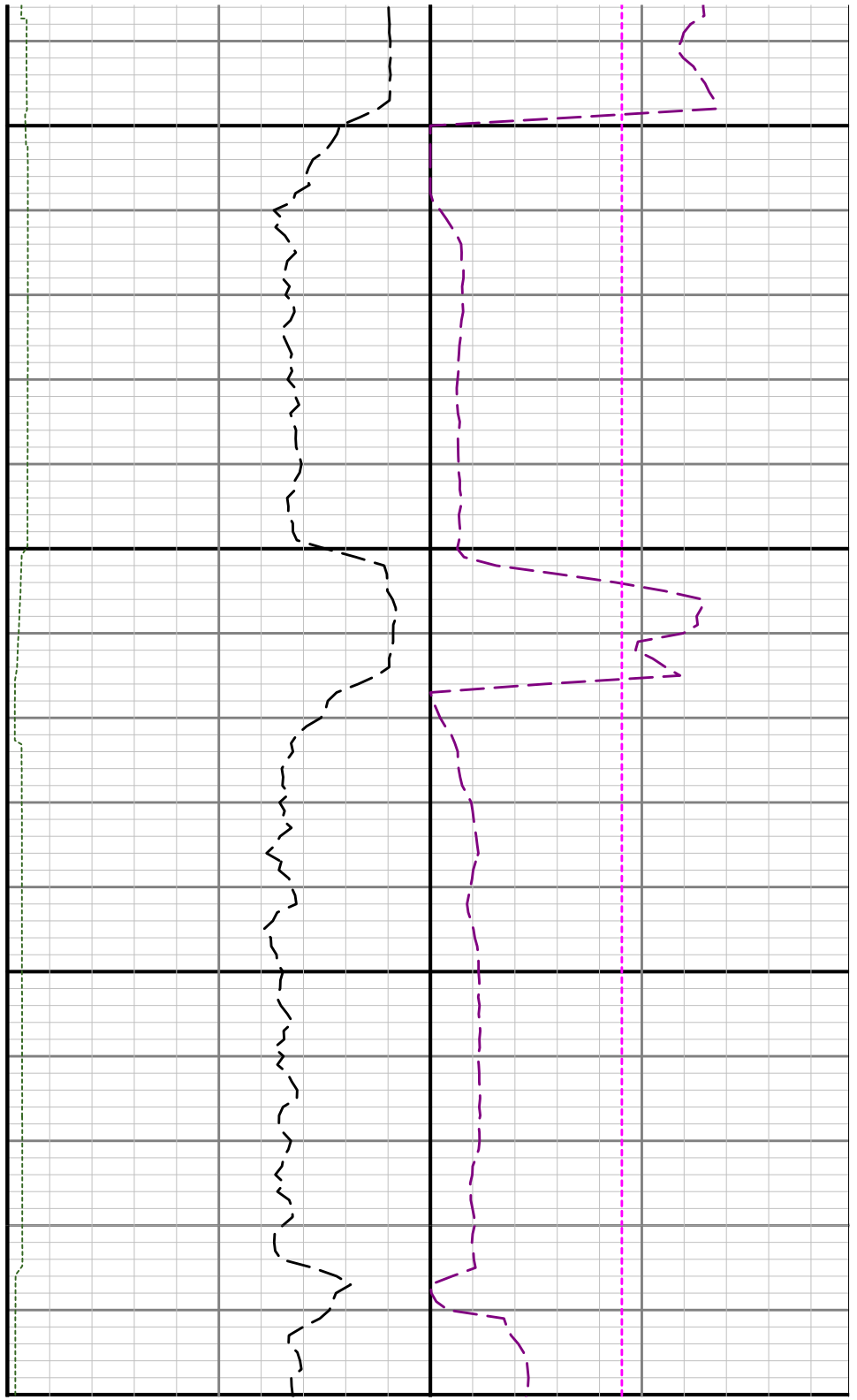
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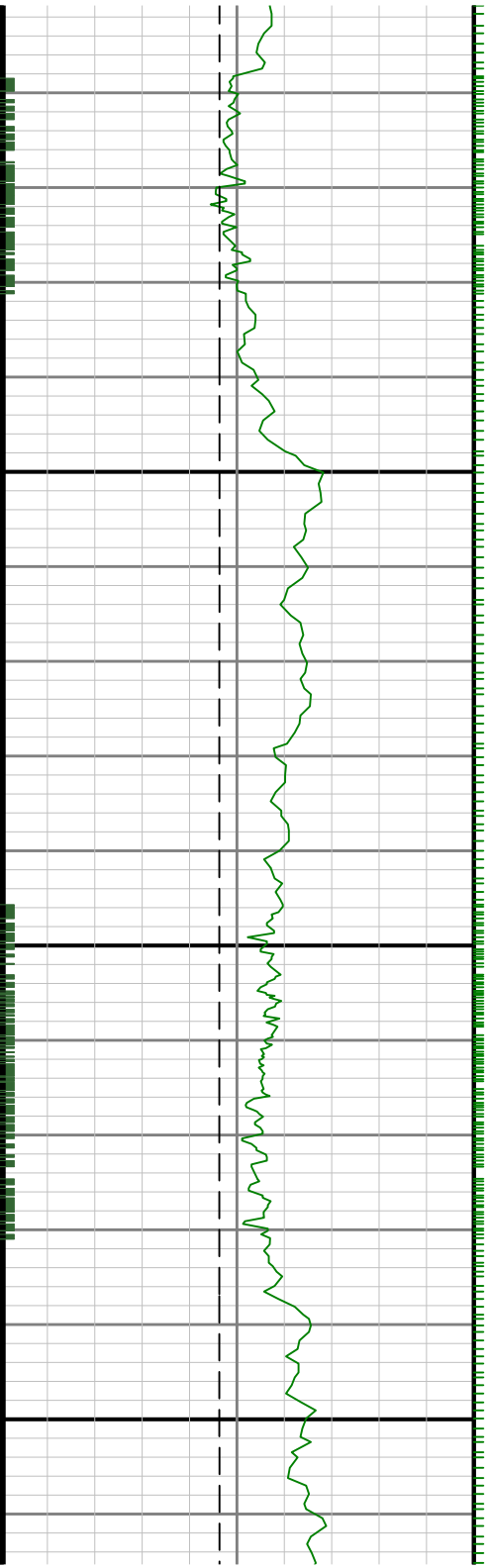




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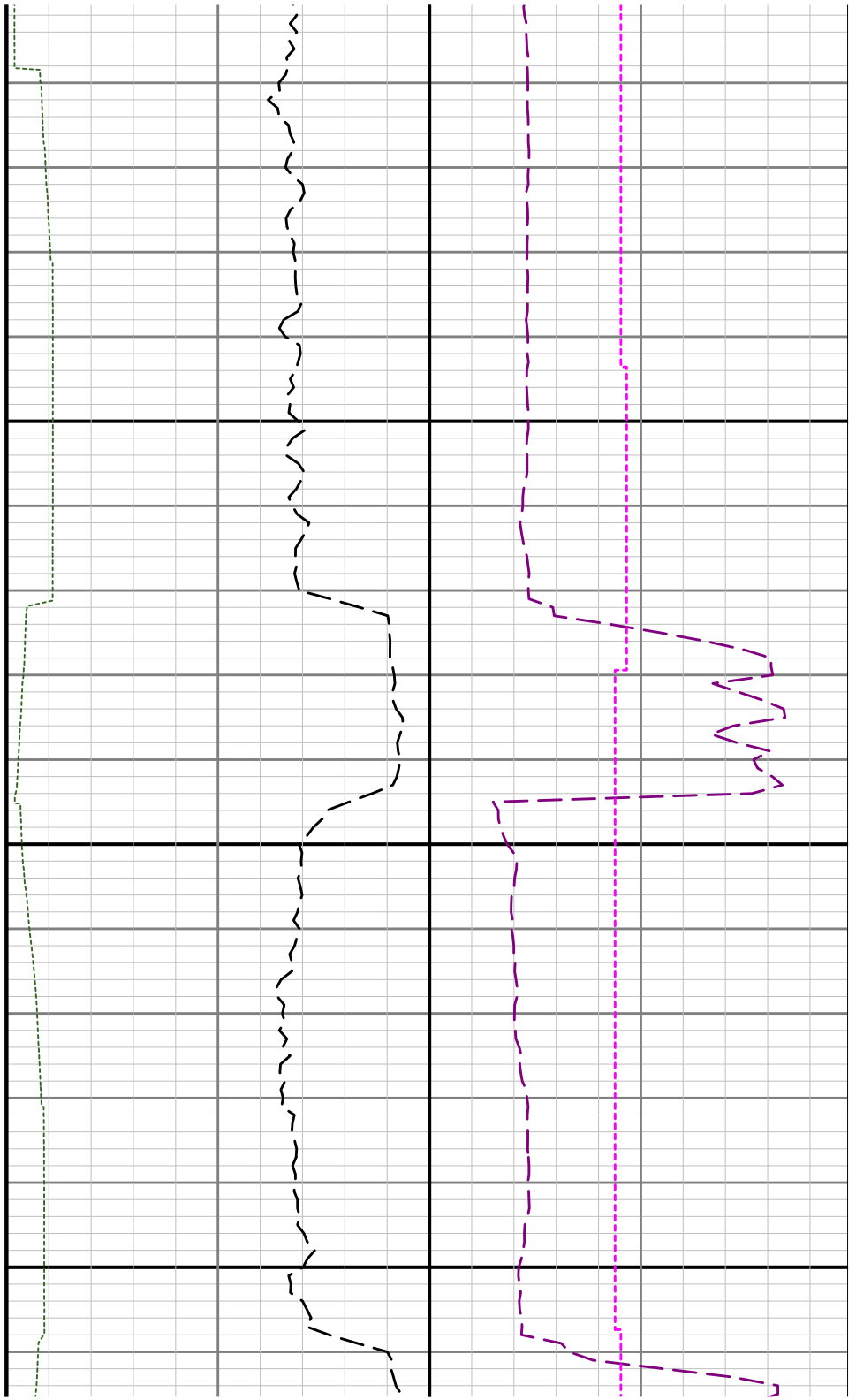
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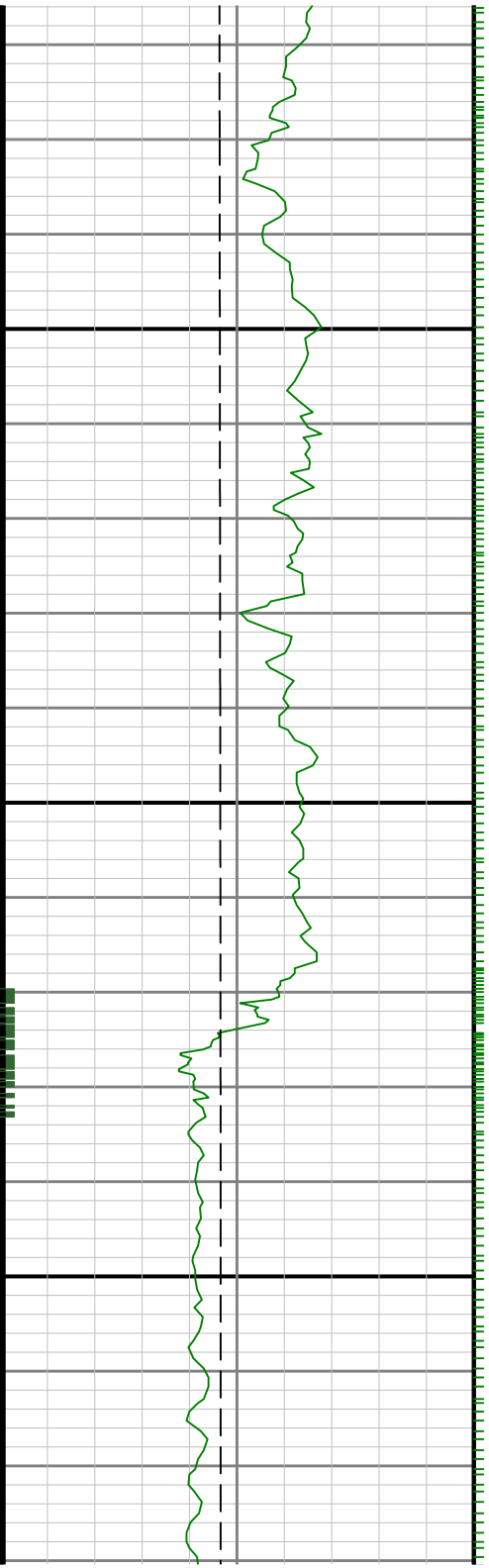




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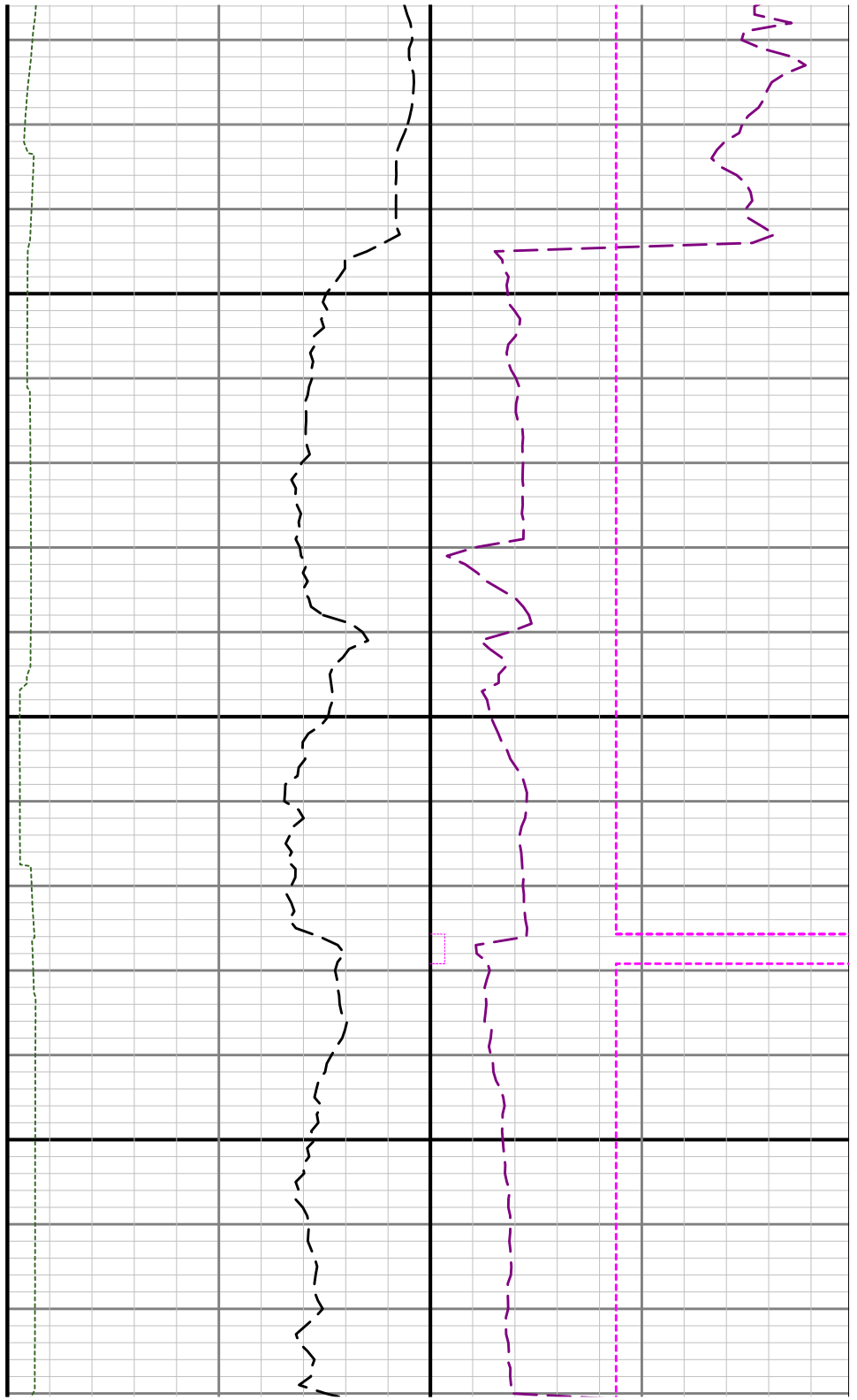
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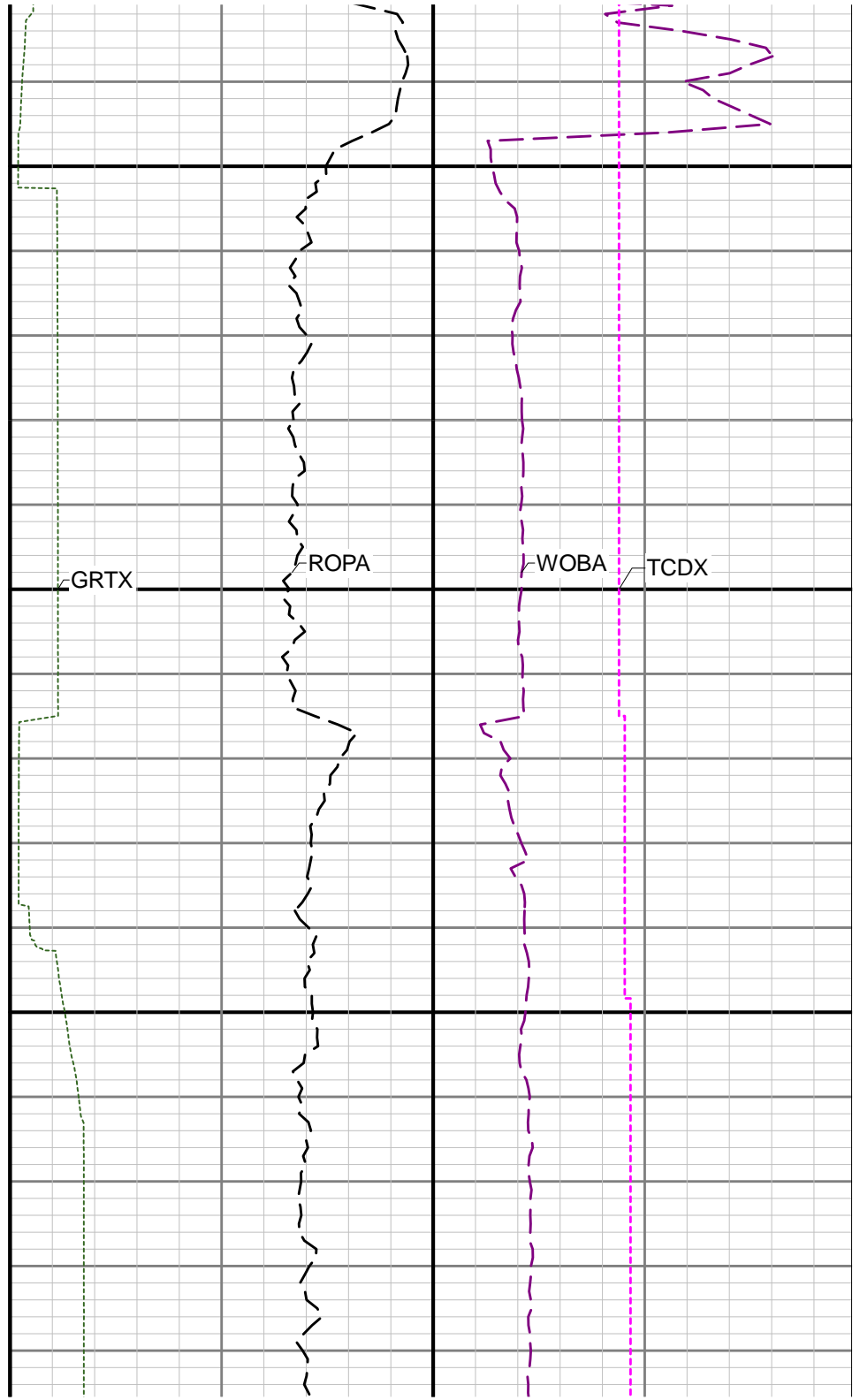
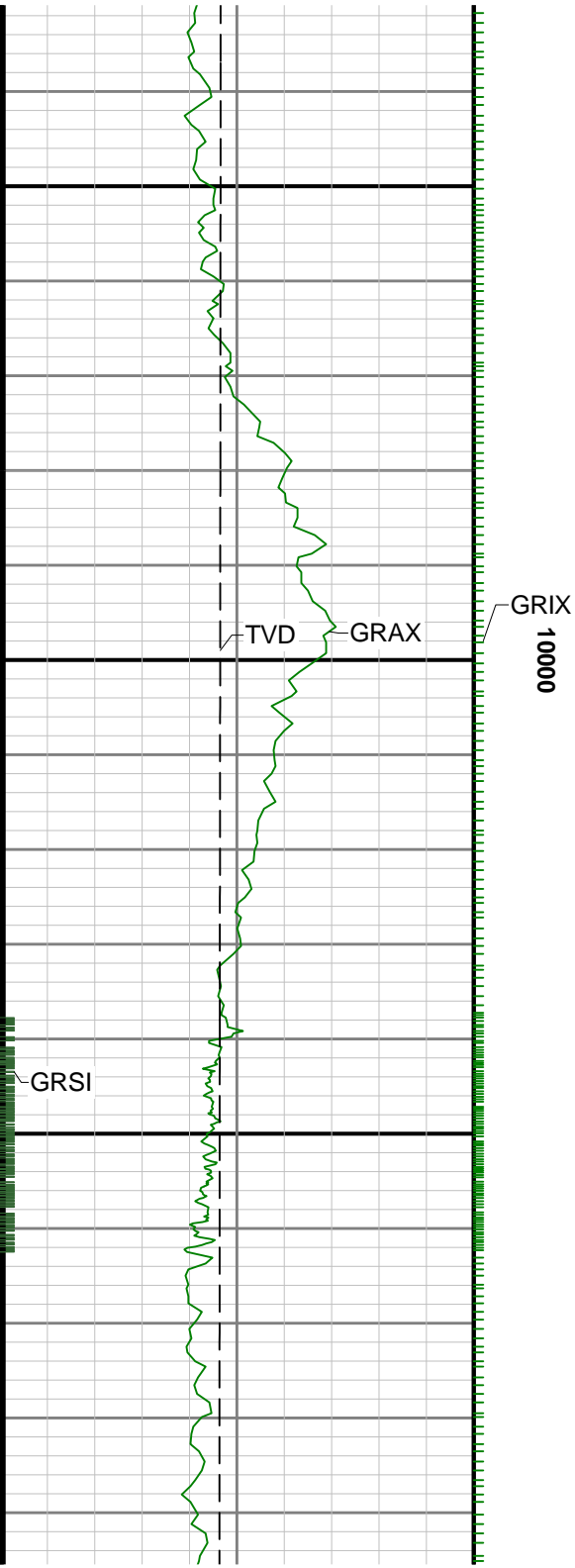
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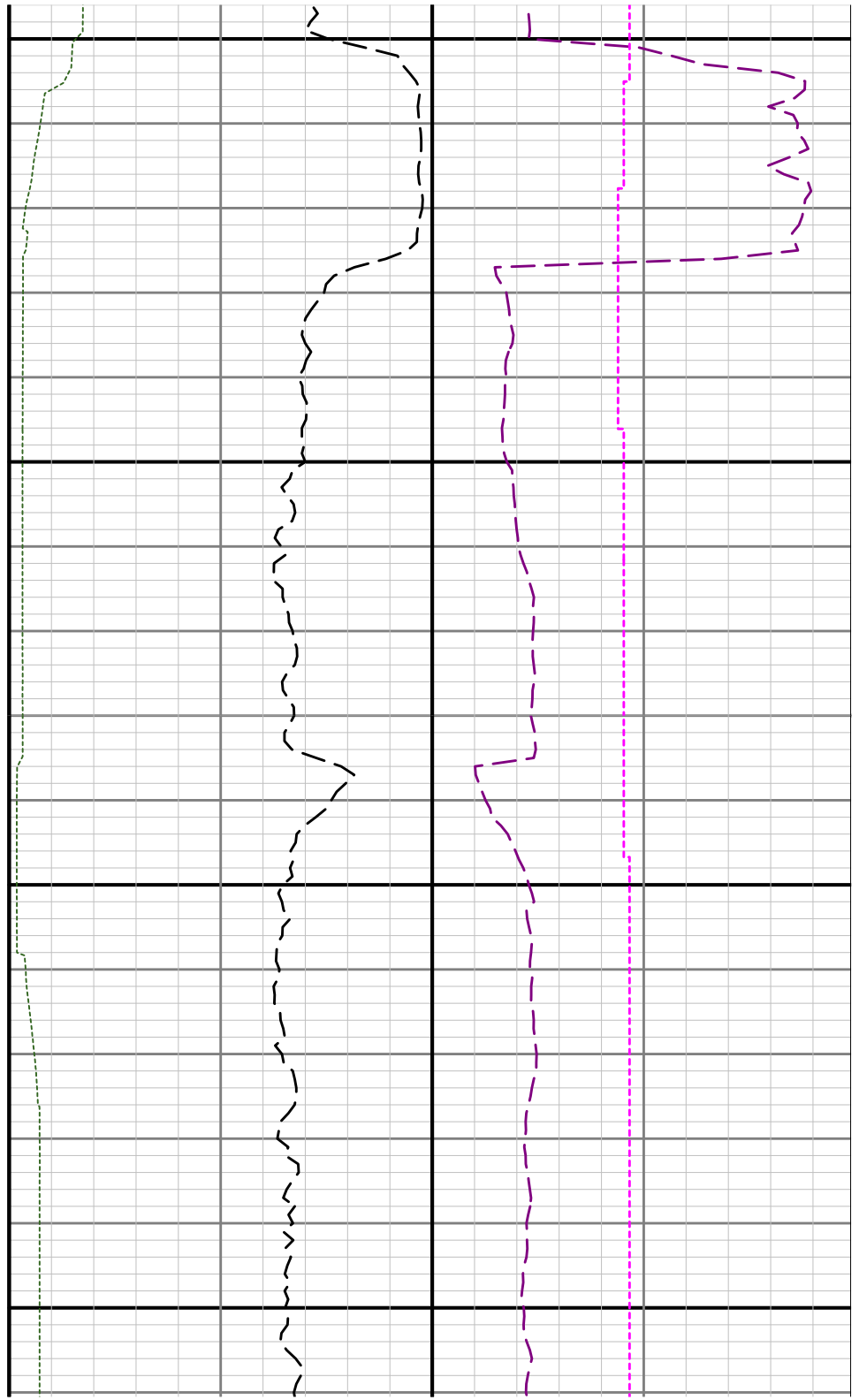
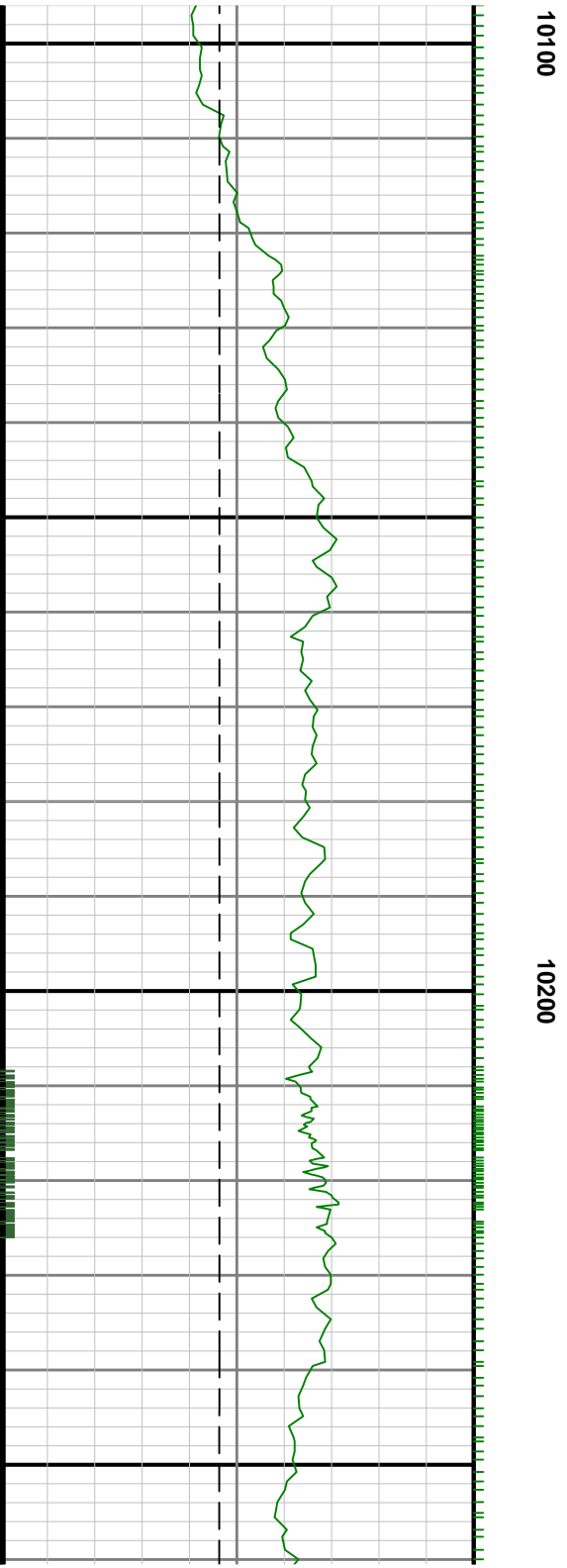
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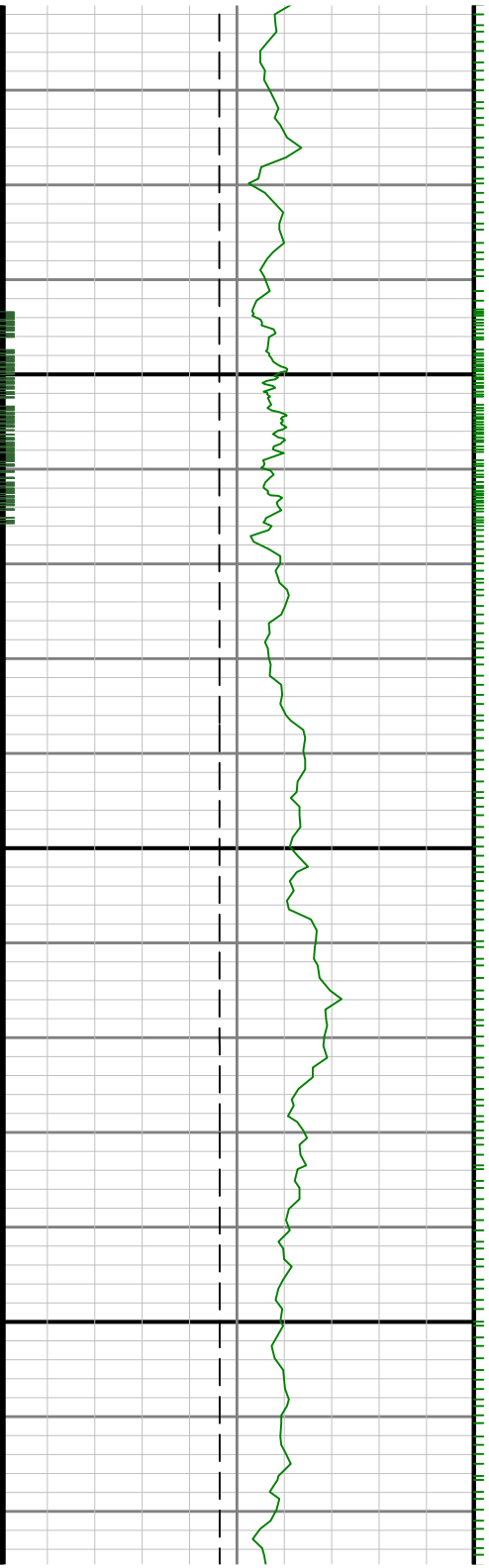


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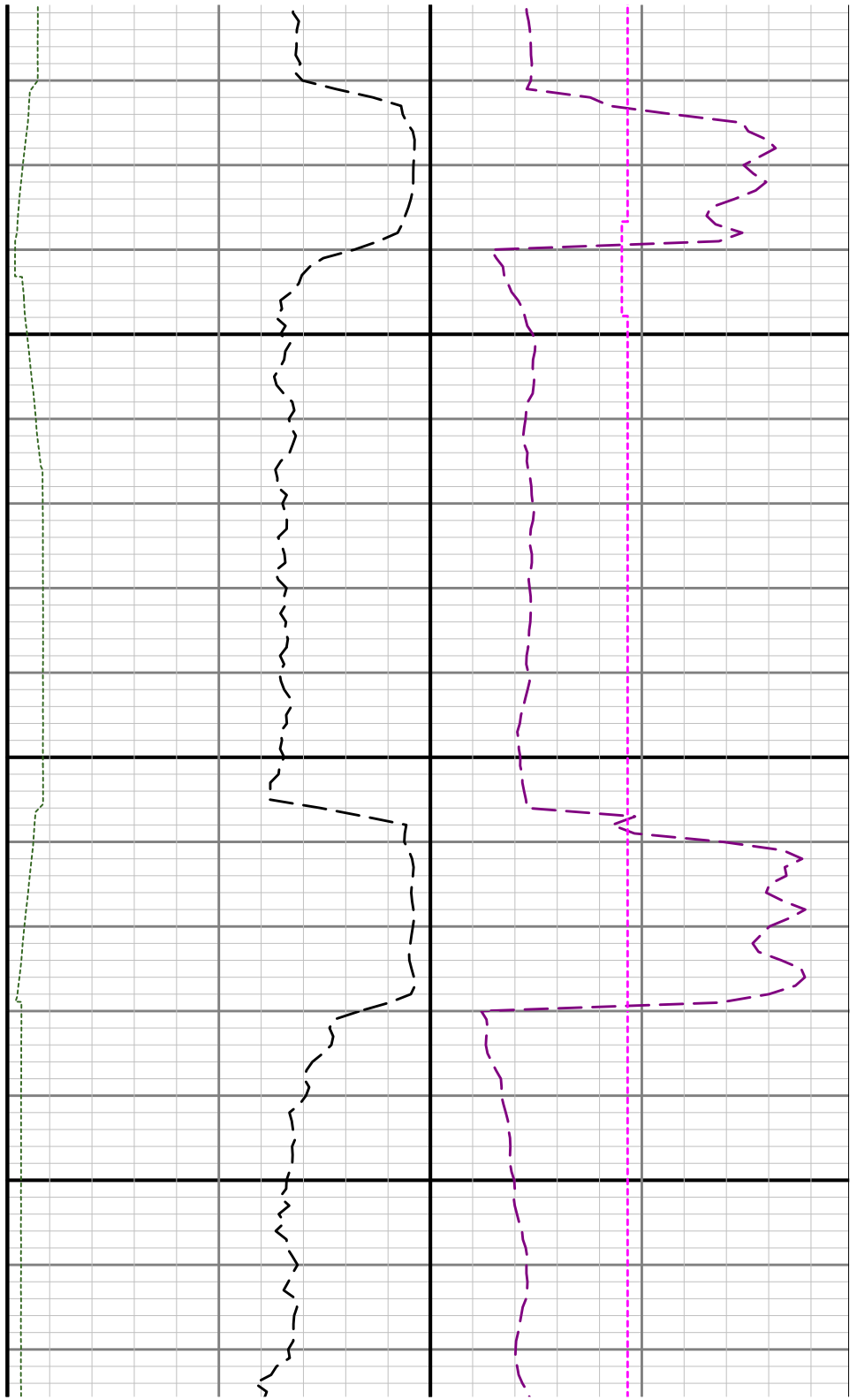


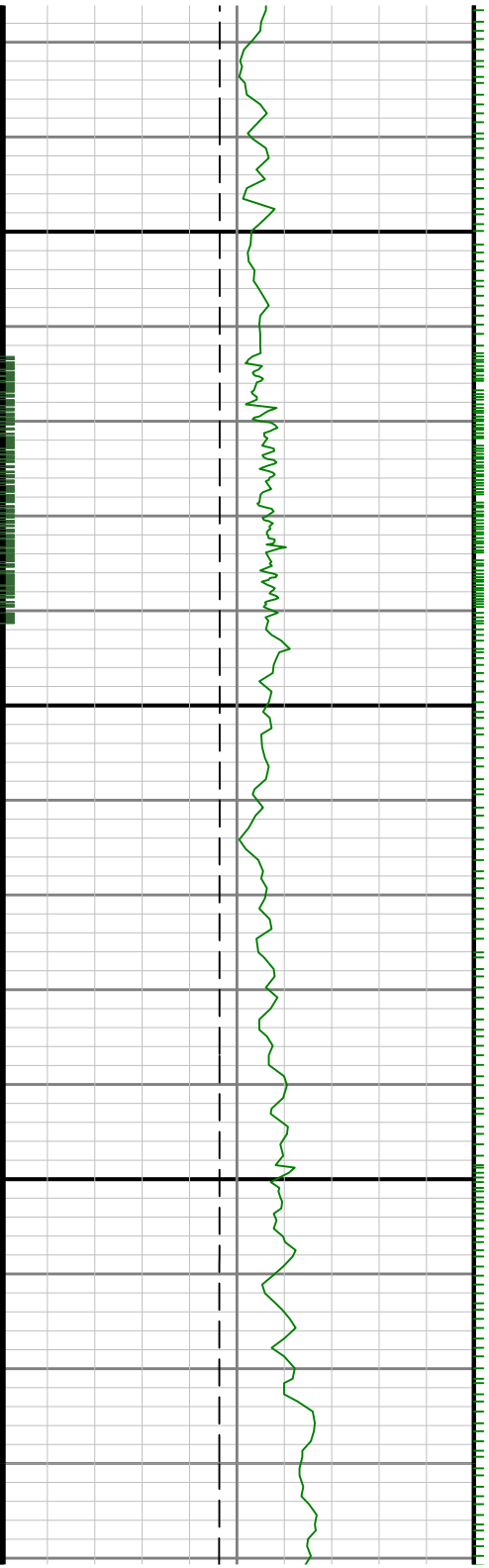




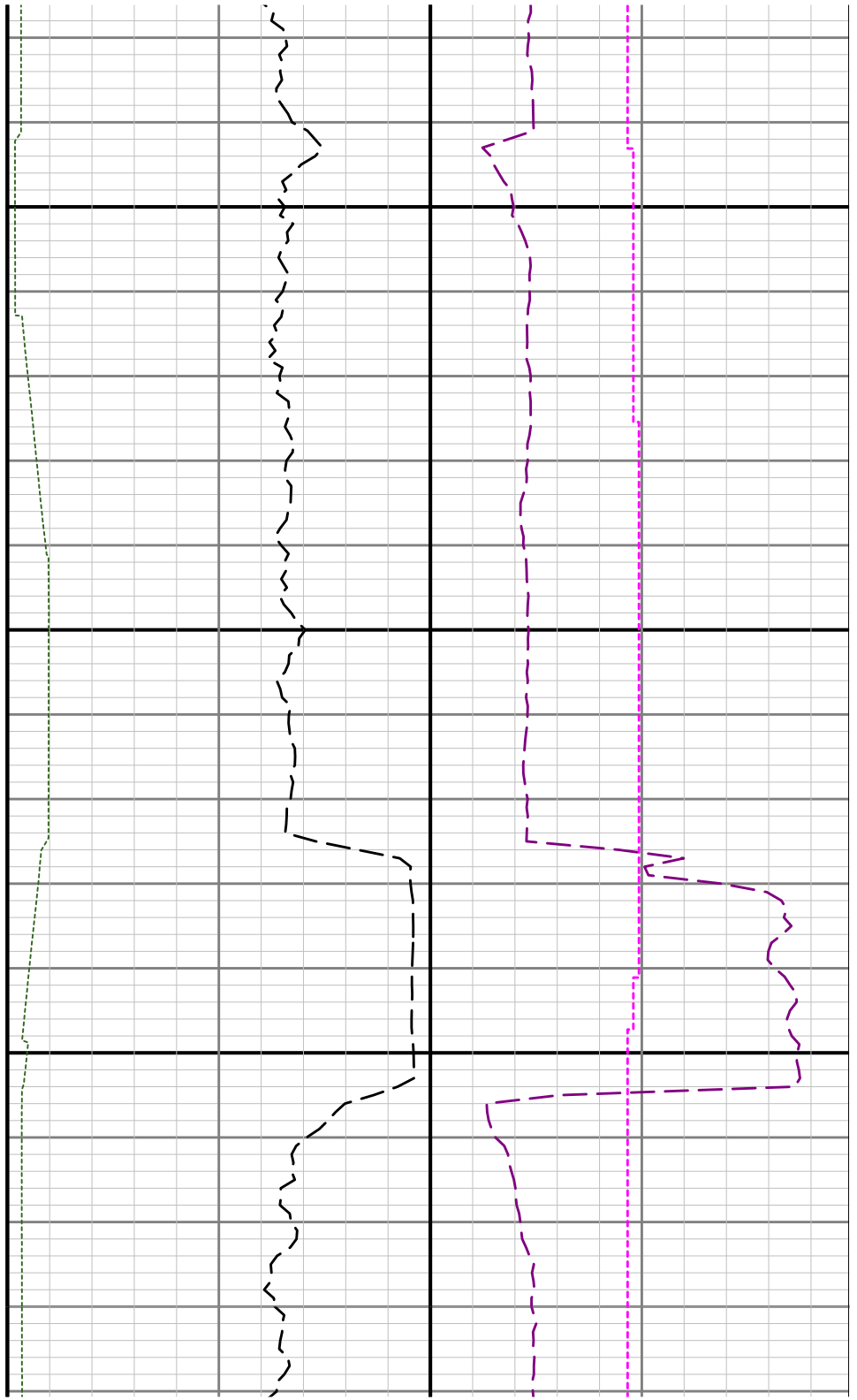
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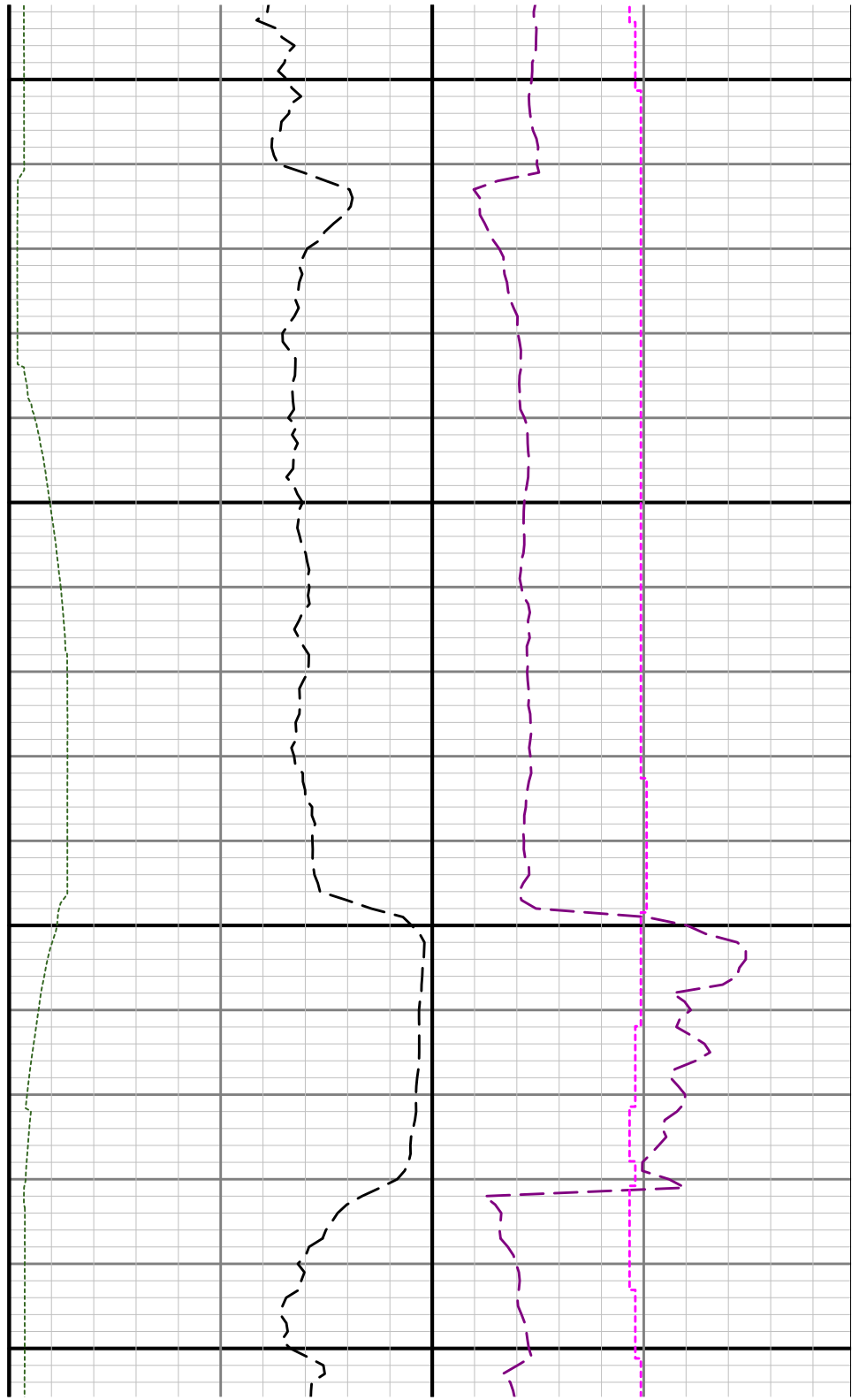
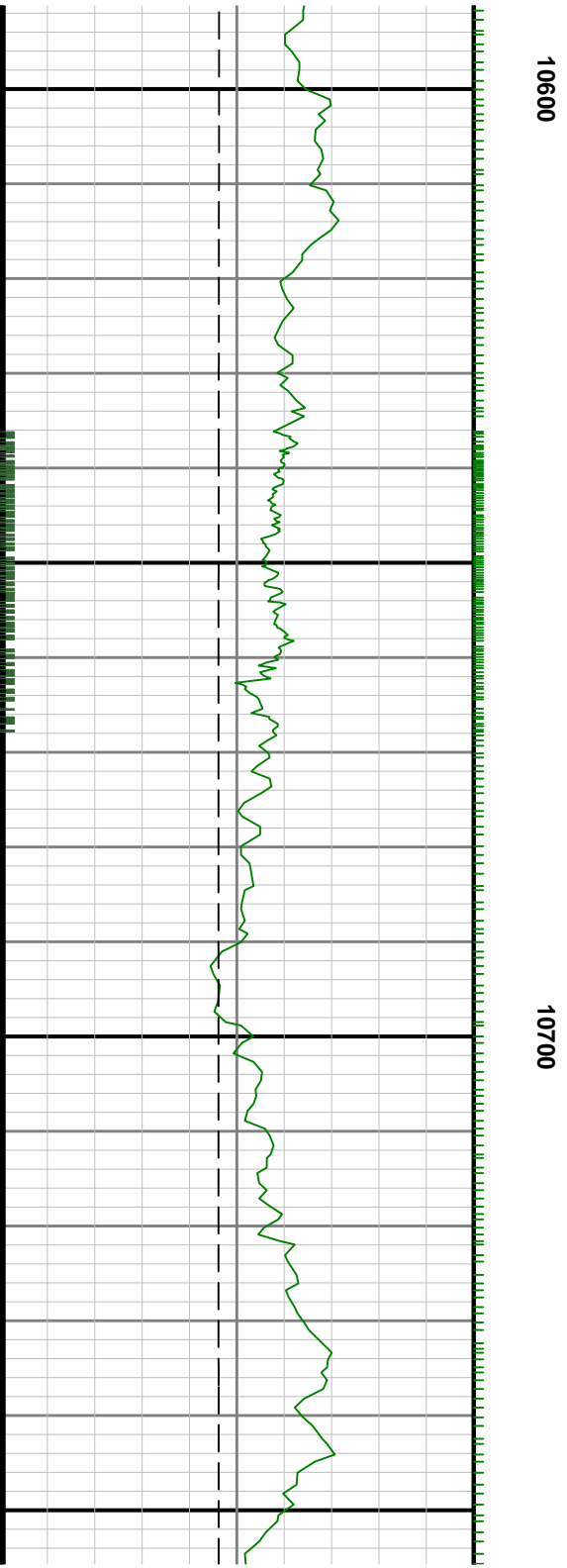
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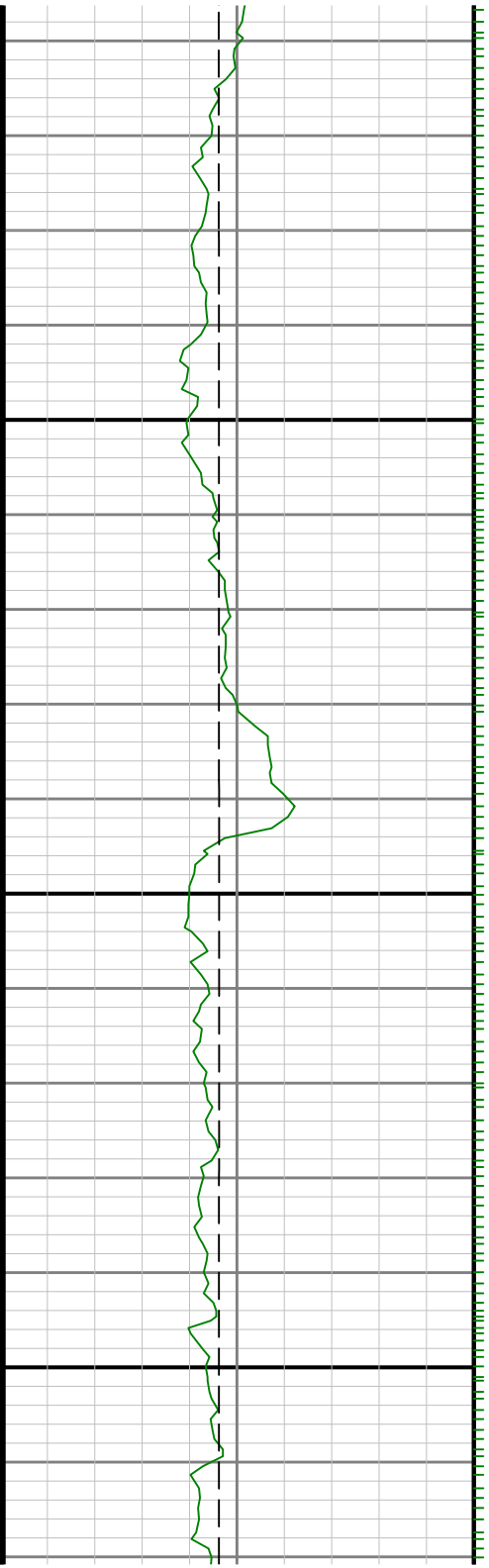




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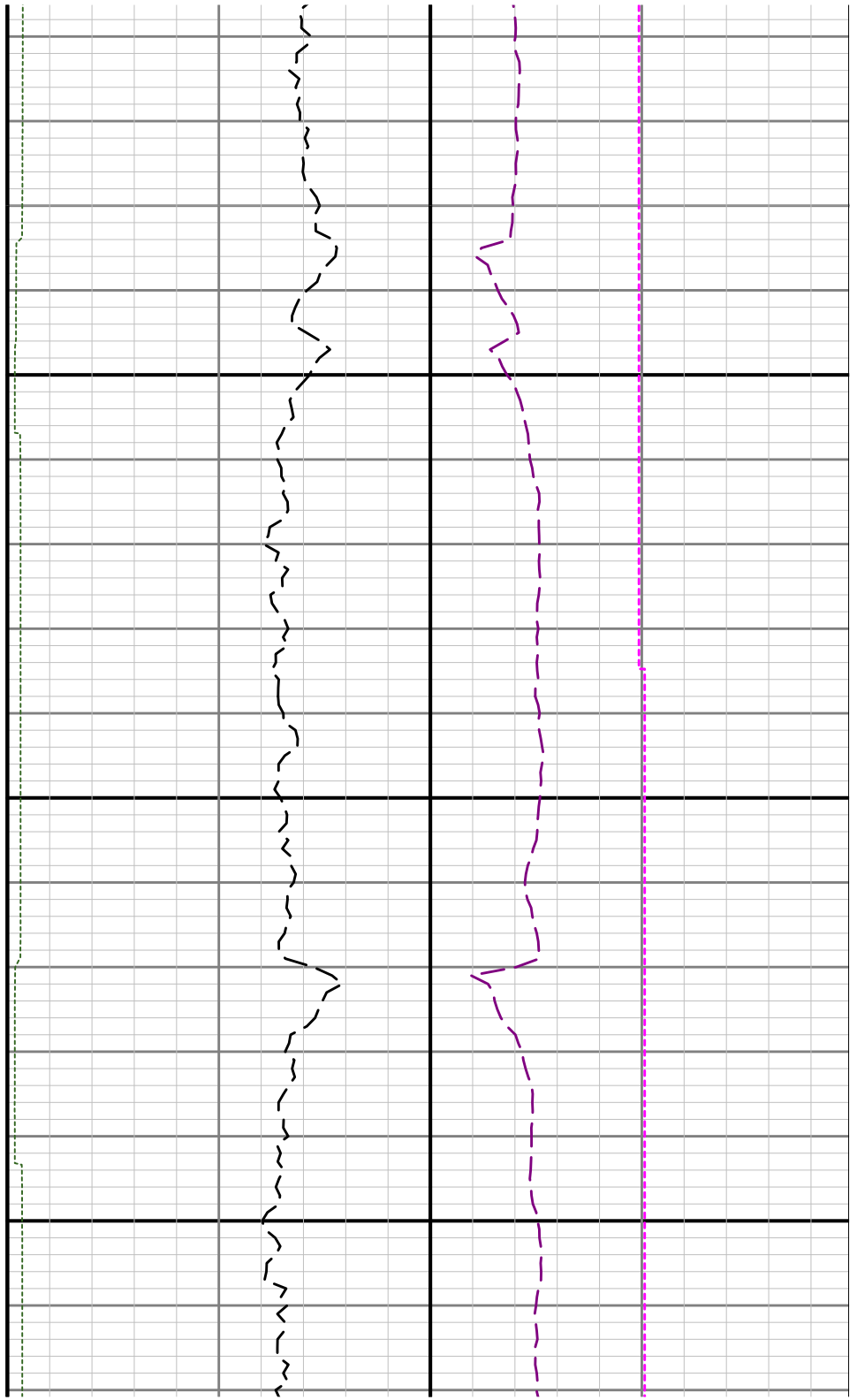


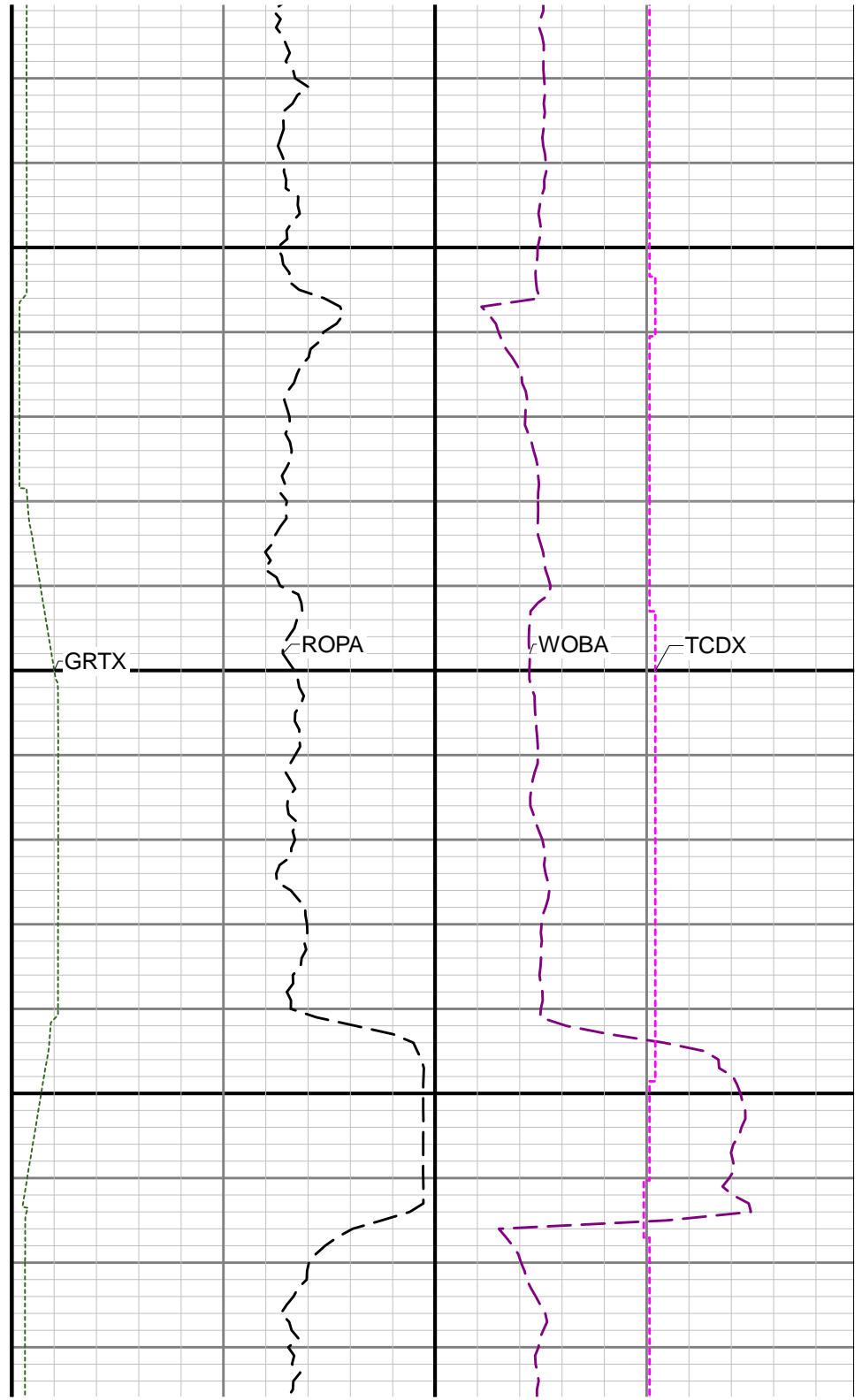
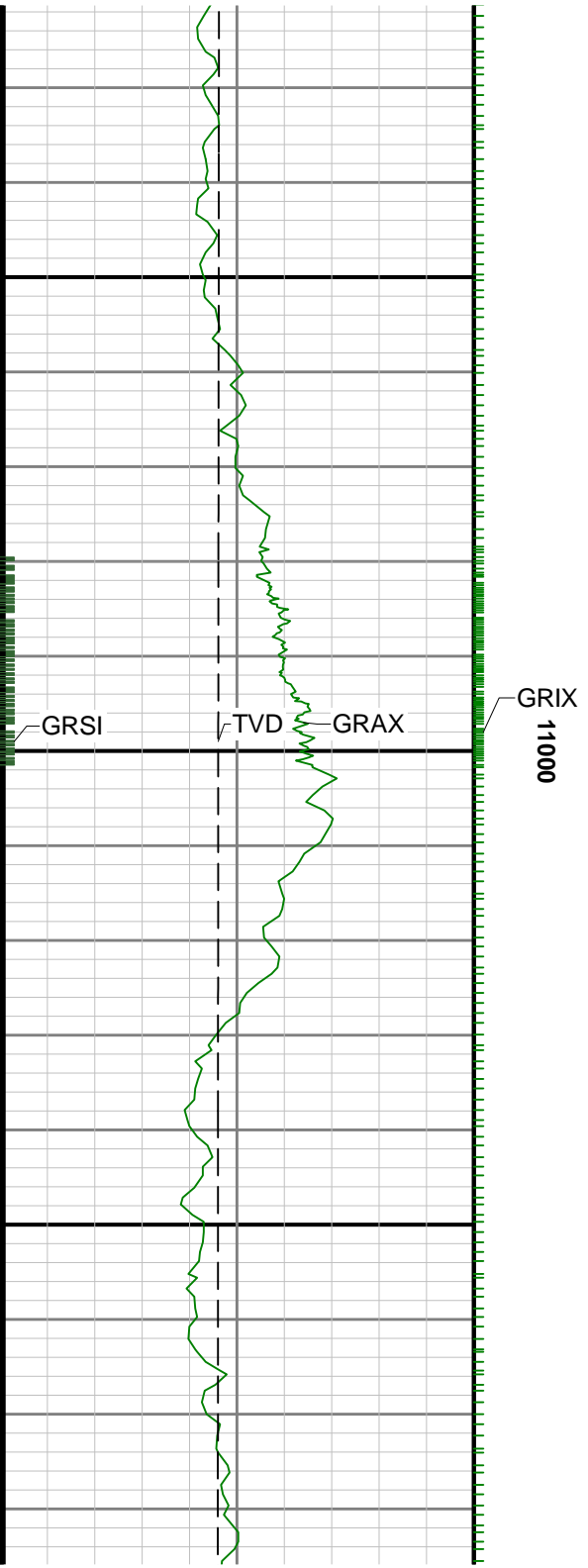


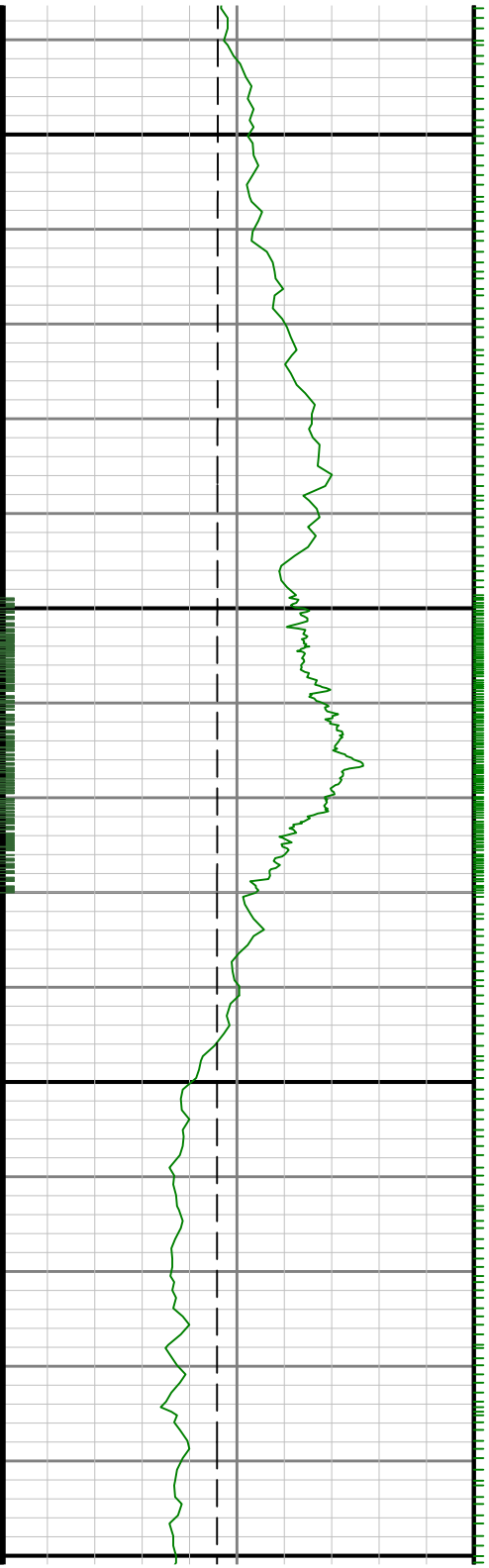


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10900



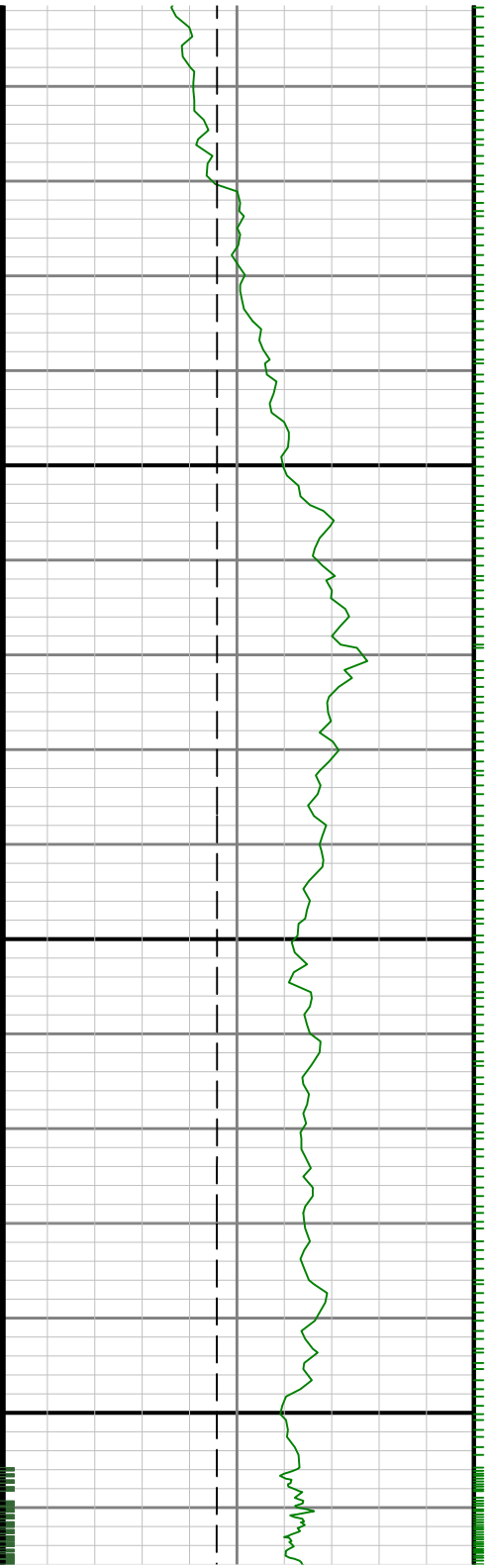




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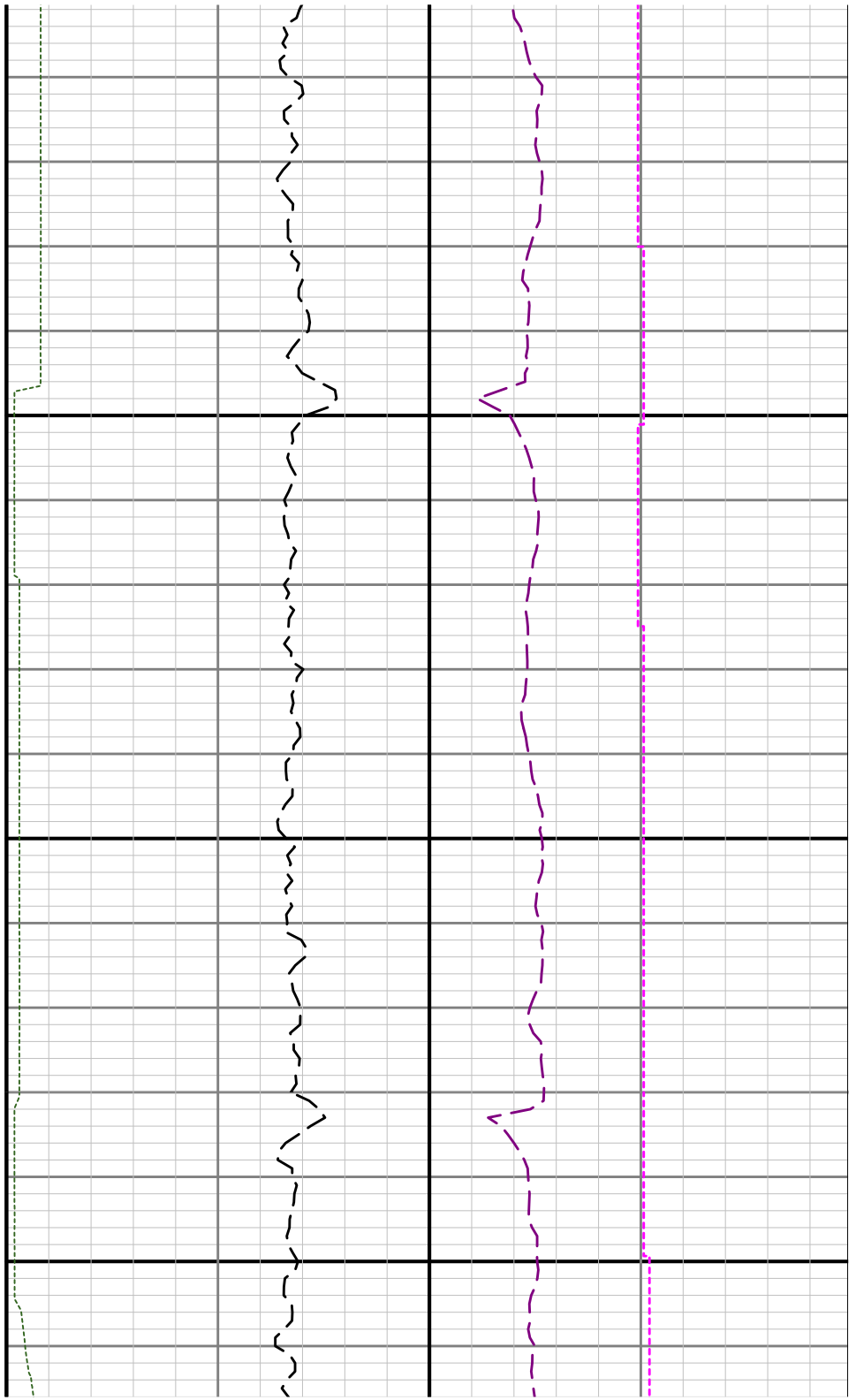
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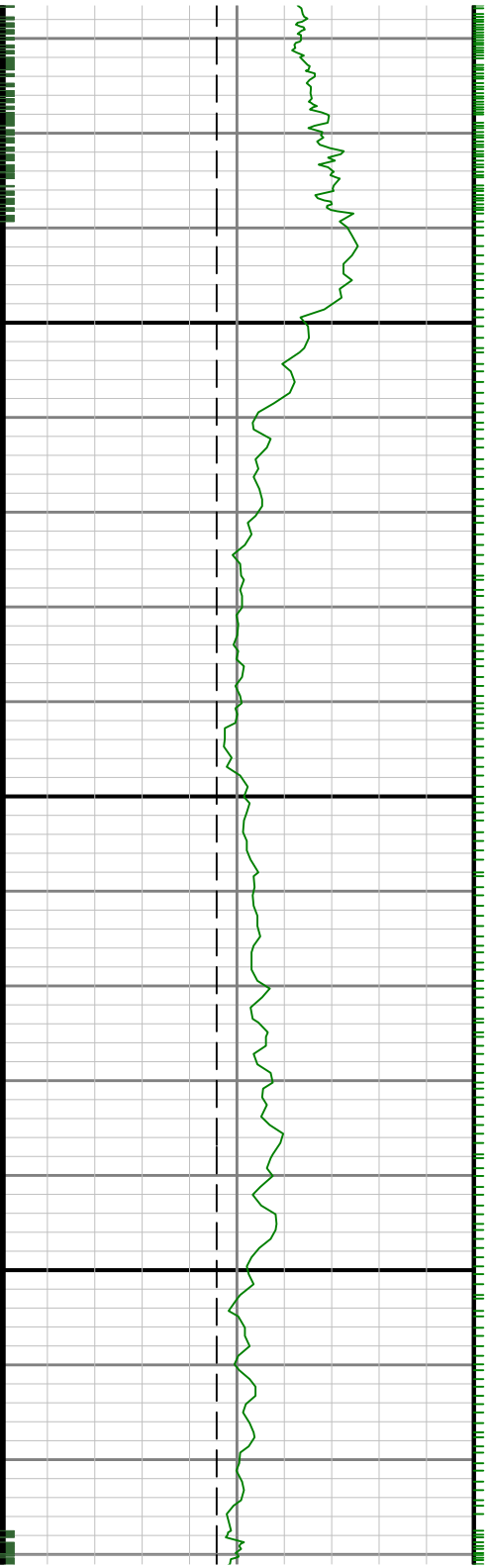




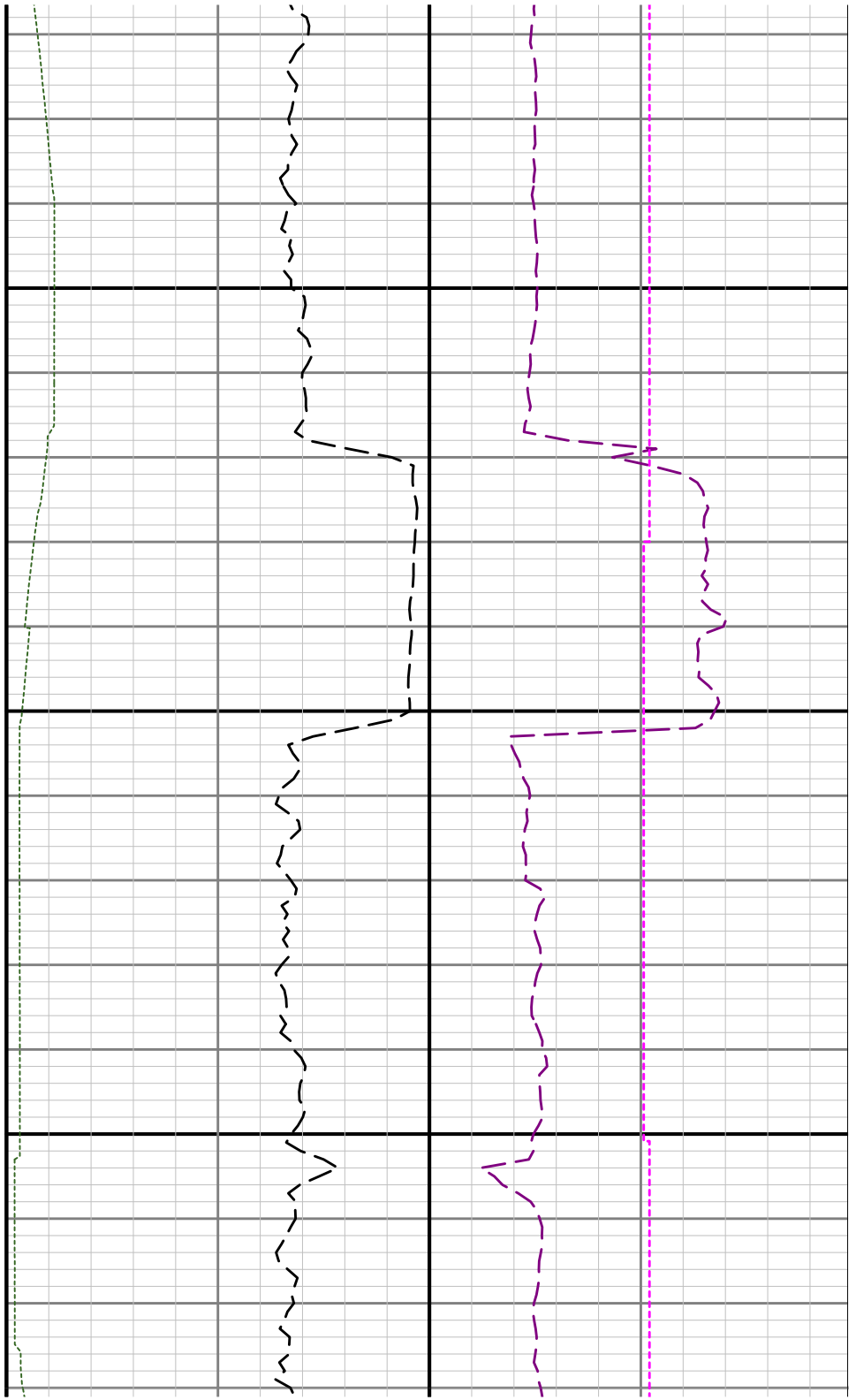
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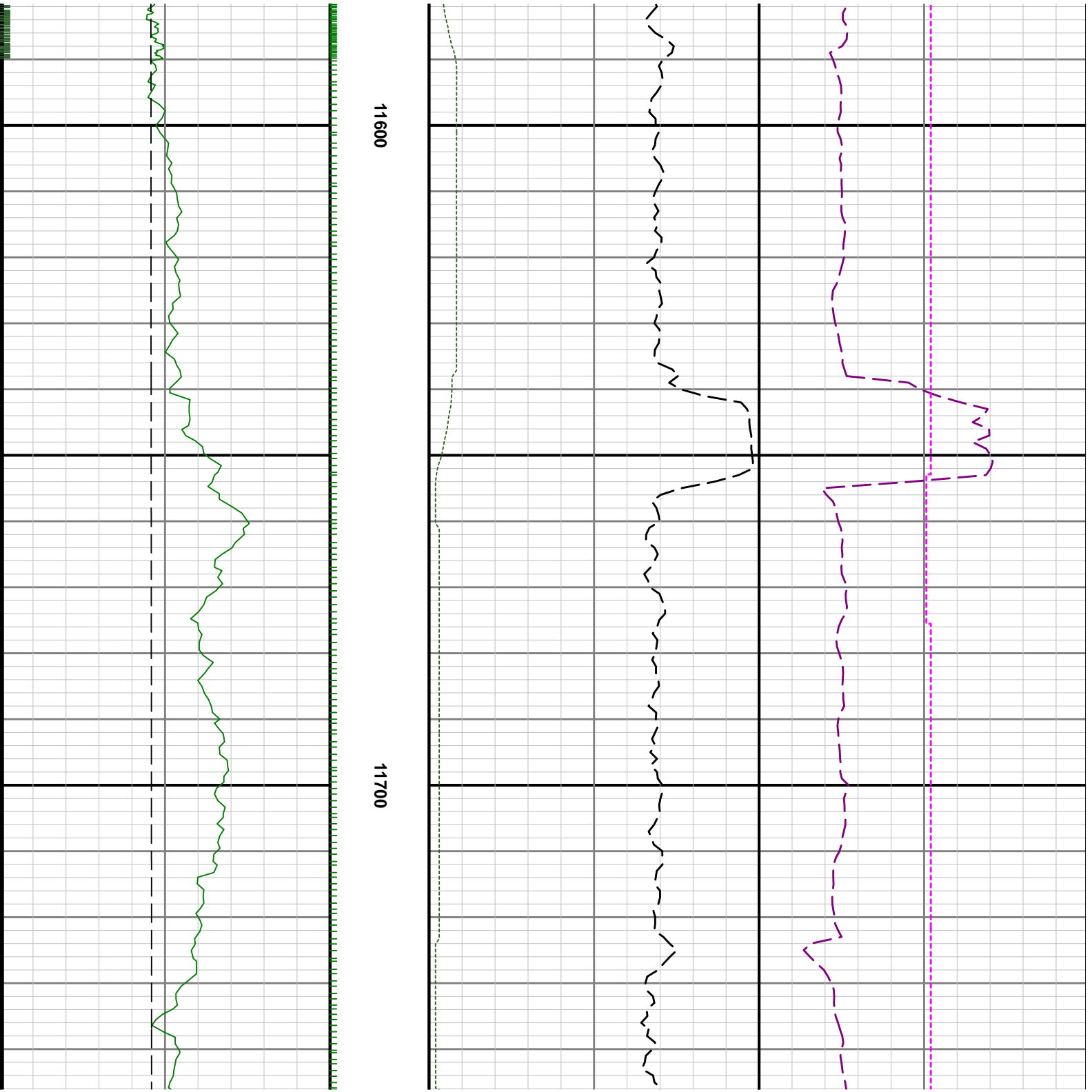
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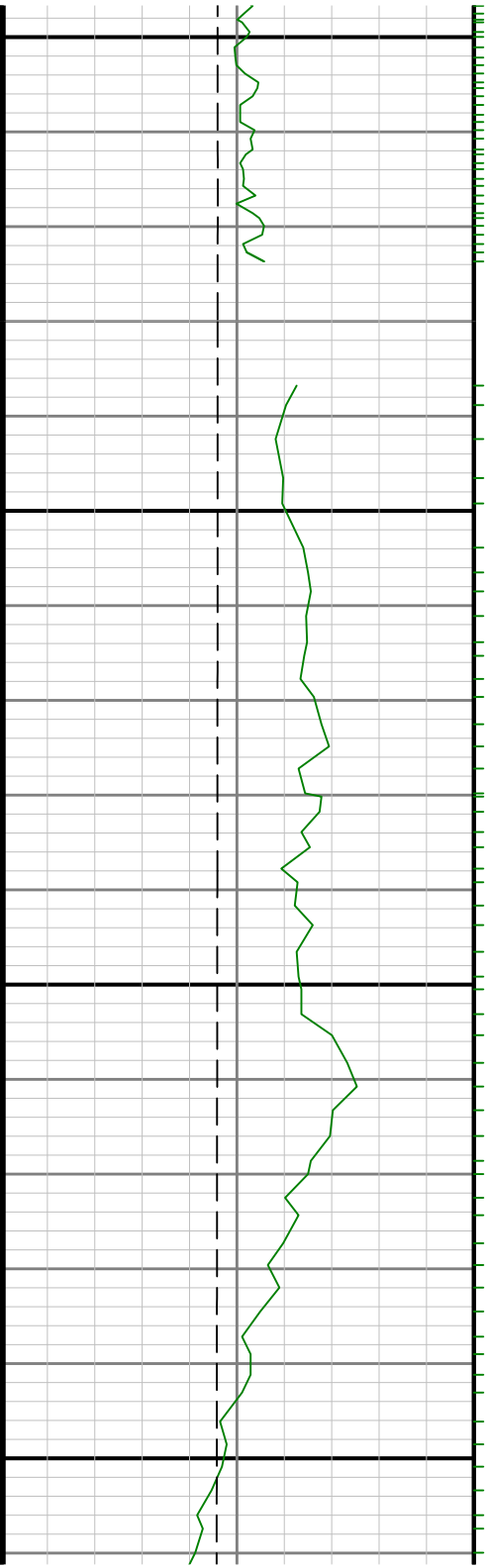




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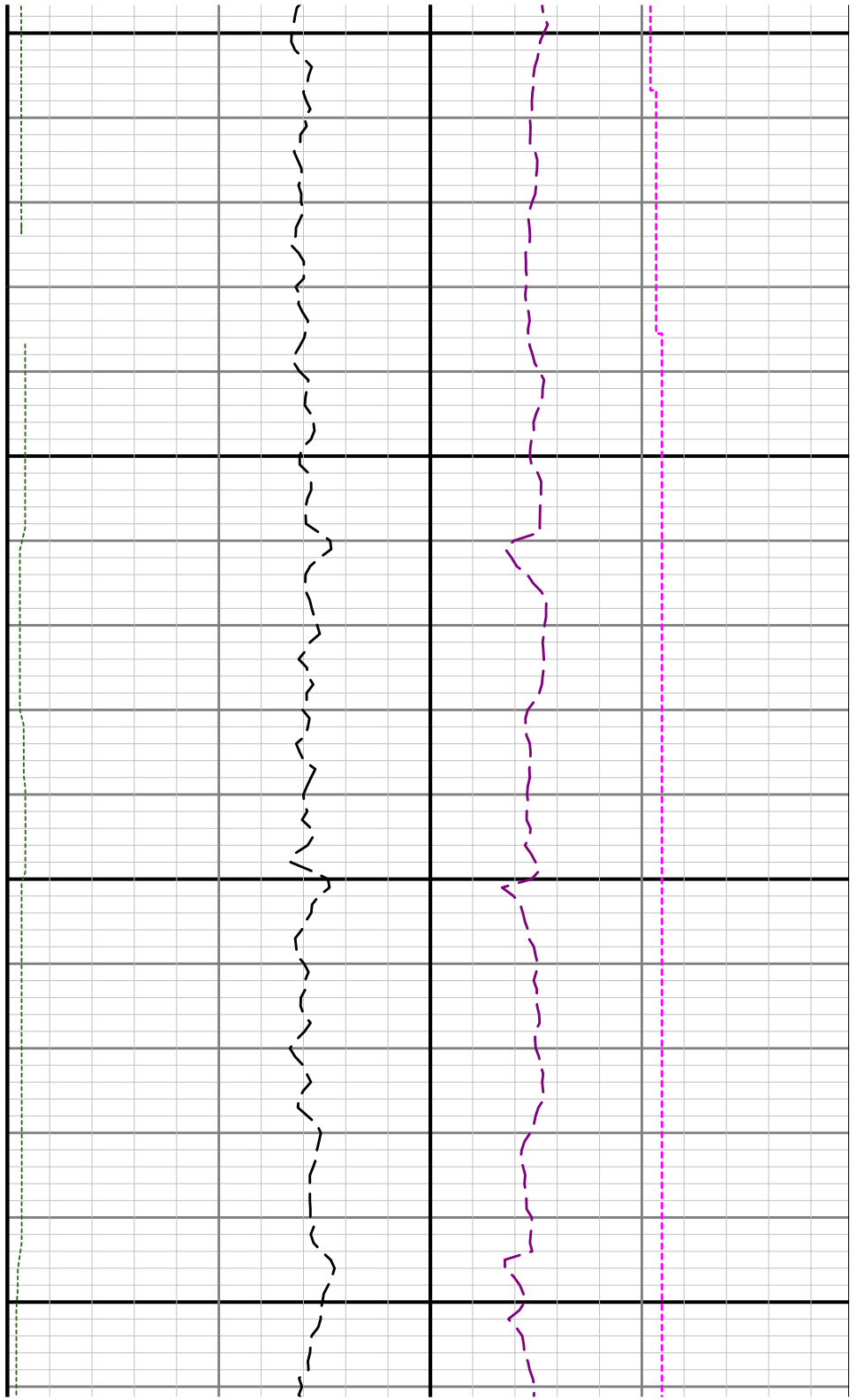


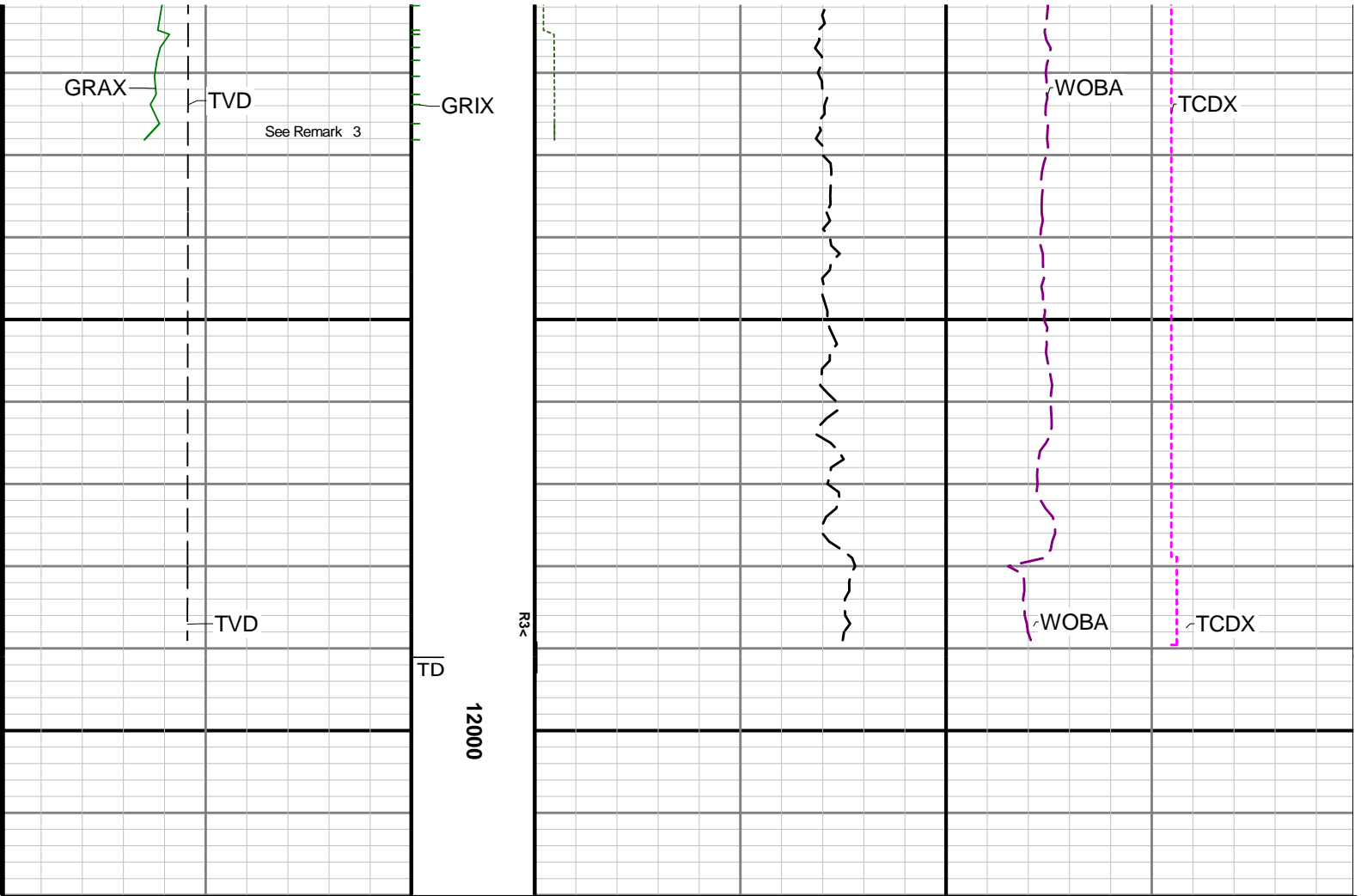




11800

11900





See Remark 3

TD

12000

MD 1:240 feet

