

- 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 and the unverified depths as supplied to Baker Hughes are being used to represent logging data.
- 2 Baker Hughes Run 1 utilized a 6 3/4 inch Navigamma (Directional and Gamma Ray) tool behind an 8 1/2 inch bit steerable assembly from 1856 feet MD to 13294 feet MD (1837 to 7107 feet TVD).
- 3 Baker Hughes Run 2 and 3 utilized a 6 3/4 inch Autotrak Curve Rotary Steerable Assembly (Directional and Gamma Ray) tool behind an 8 1/2 inch bit from 13294 to 17885 feet MD (7107 to 7097 feet TVD).
- 4 A sliding indicator is shown on the left side of the track as a heavy line. This indicator has been depth-shifted to the Gamma Ray sensor offset to correspond with Gamma Ray data acquired while sliding.

Remarks

Number	Measured Depth (ft)	Hole Section (in)	Run No.	Remark
1	6400.00	8.500	1	Logging services began at 6400 feet MD. No logging data prior to 6400 feet MD (6374 TVD) as per client request.
2	13294.00	8.500	1	The interval between 13294 feet and 13334 feet MD (7107 to 7106 feet TVD) was logged up to 1394 minutes due to changing out to a rotary steerable assembly from a conventional motor assembly.
3	13802.00	8.500	2	No GRAX, GRIX or GRTX due to downlinking to the rotary steerable while drilling.
4	15368.00	8.500	2	The interval between 15368 feet and 15380 feet MD (7093 to 7092 feet TVD) was logged up to 1651 minutes due to changing out a rotary steerable to a backup rotary steerable after an initial failed tick sensor.
5	17872.00	8.500	3	The interval between 17872 to 17885 feet (7097 feet TVD) has no GRAX, GRIX, GRTX values due to the Gamma sensor offset to bit after 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

	Company	Anadarko		
	Well	COOK 37N-28HZ		
	Interval	Date From:	2015-12-01 11:16	Top: 6400.00
	Created	Date To:	2015-12-06 14:52	Bottom: 17885.00
		2015-12-06 16:06		

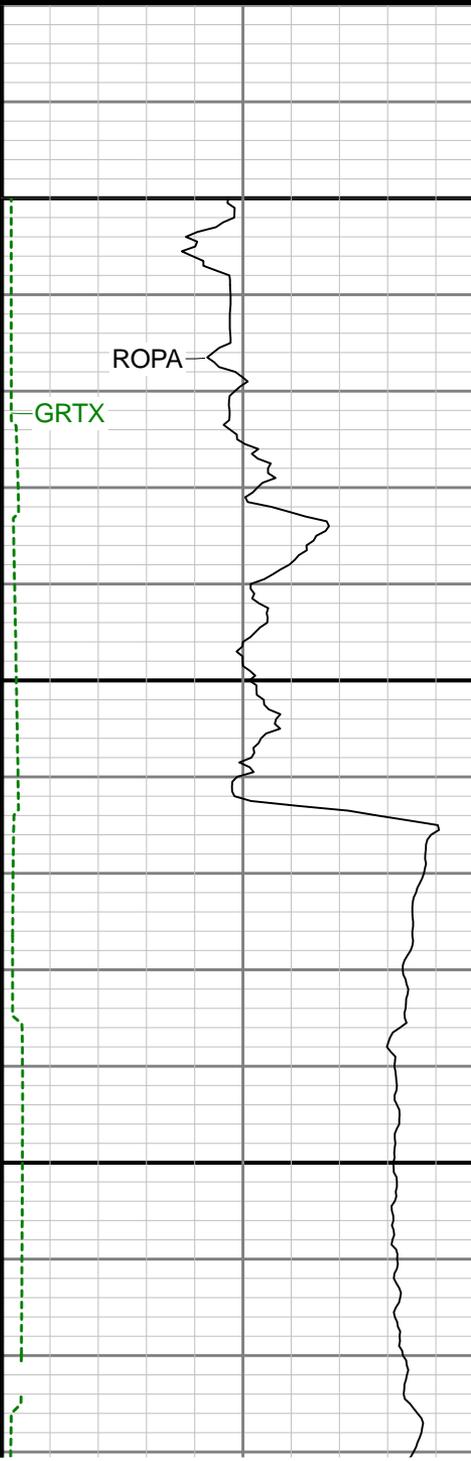
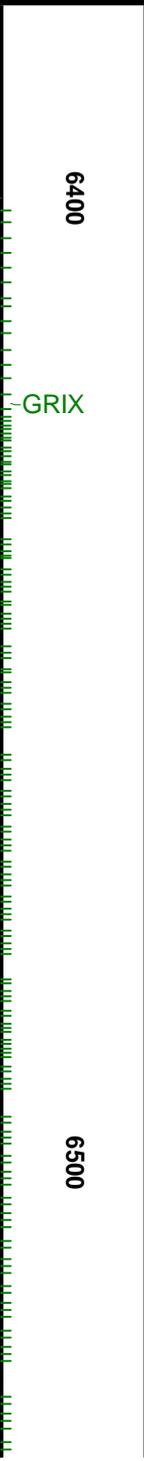
Gamma Ray Apparent 0.5 ft Average GRAX	MD	Rate of Penetration 3 ft Average ROPA	Surface Weight On Bit 1 ft Average WOBA
0 150	1000	0	0 100

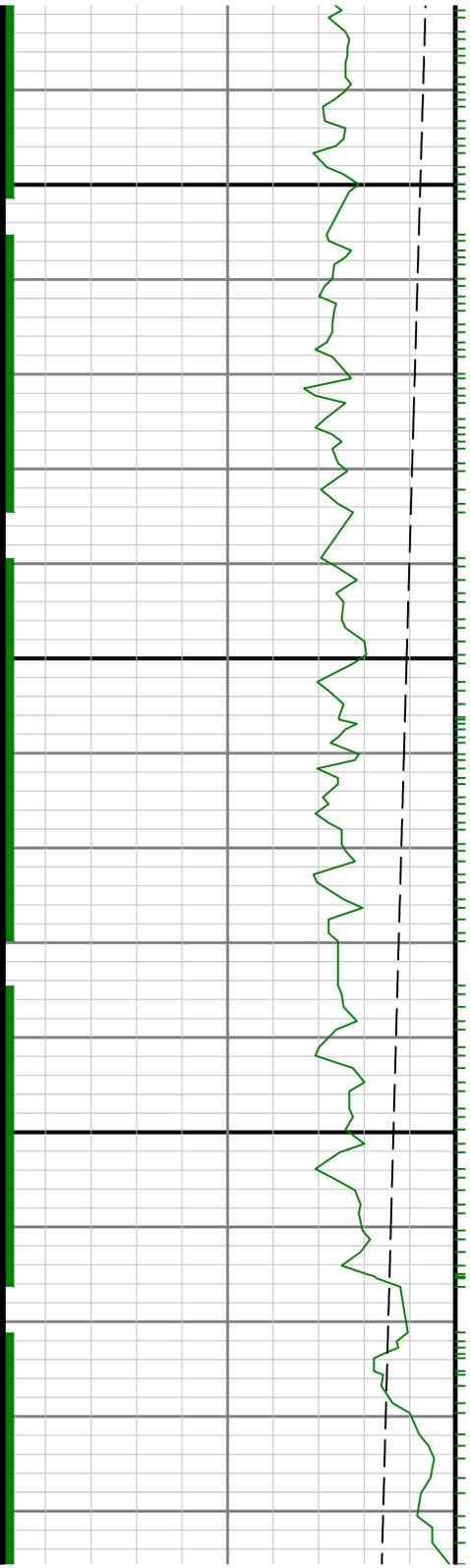
API
True Vertical Depth TVD
8000 ft 6400

1:240 feet

Gamma Ray Time Since Drilled GRTX
0 min 600

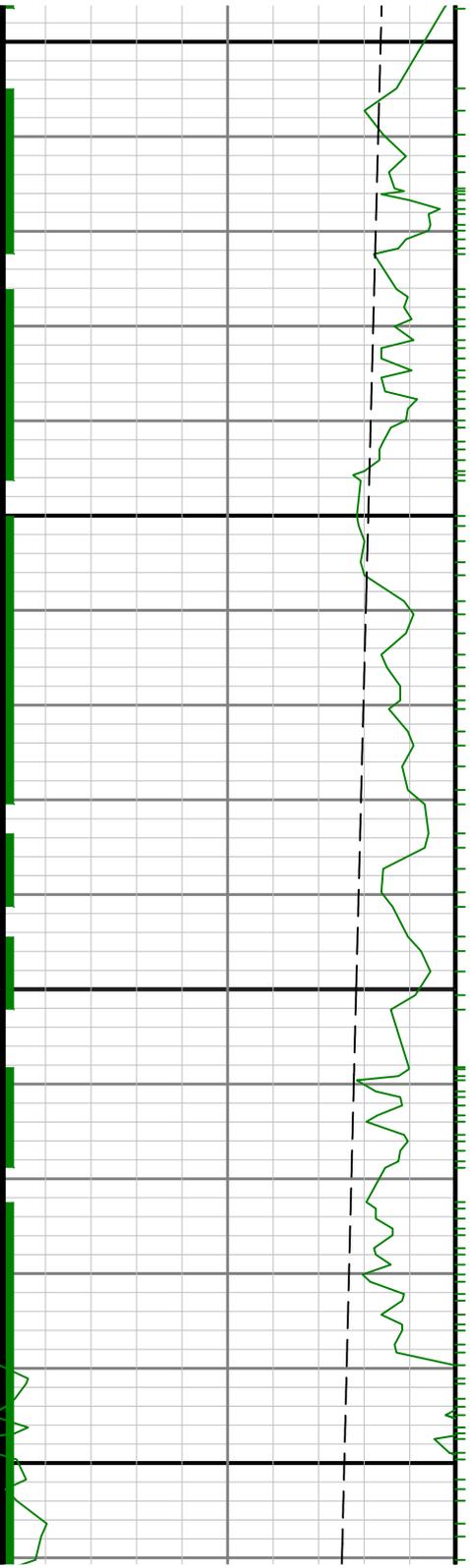
Downhole Temperature TCDX
0 degF 300





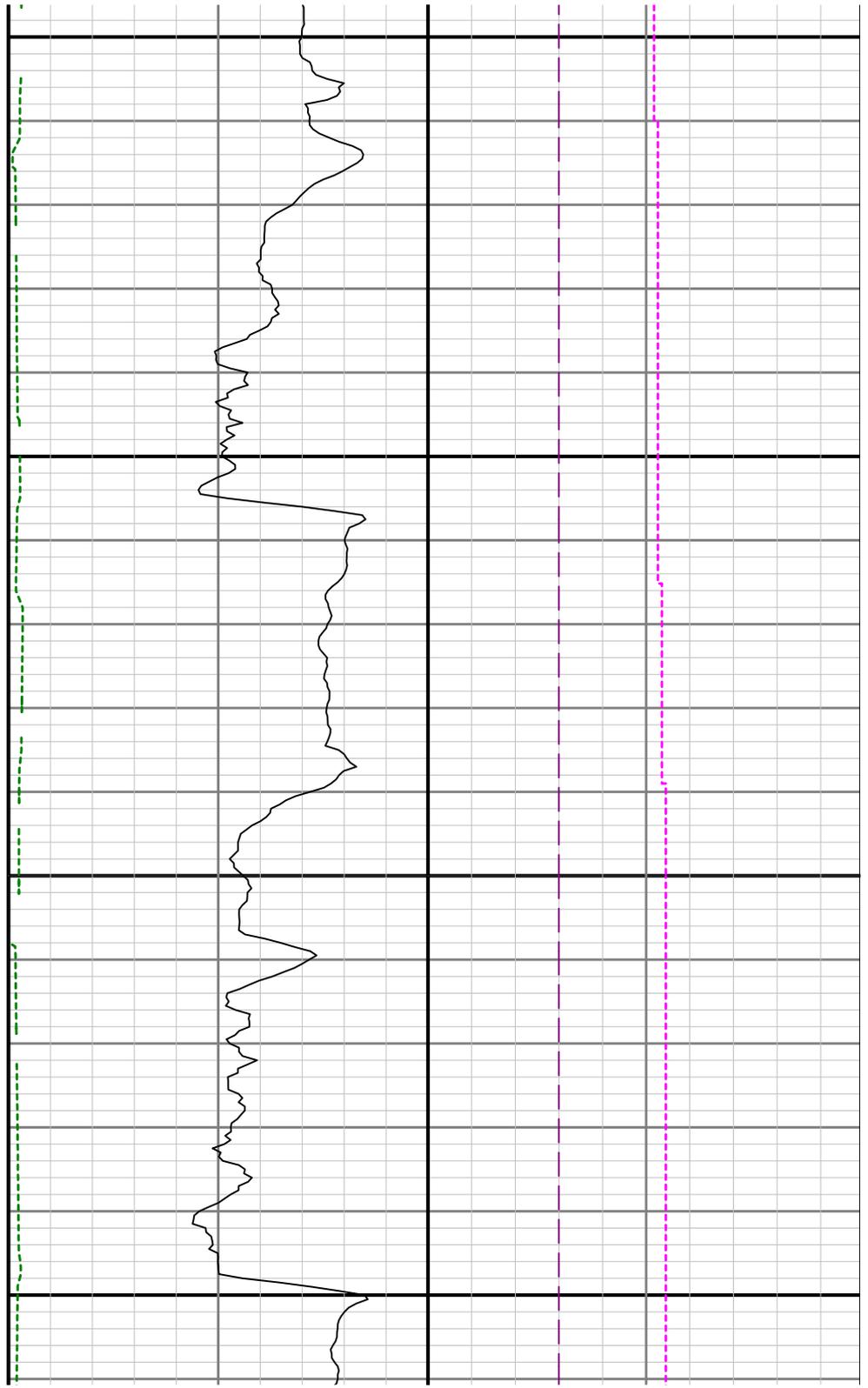
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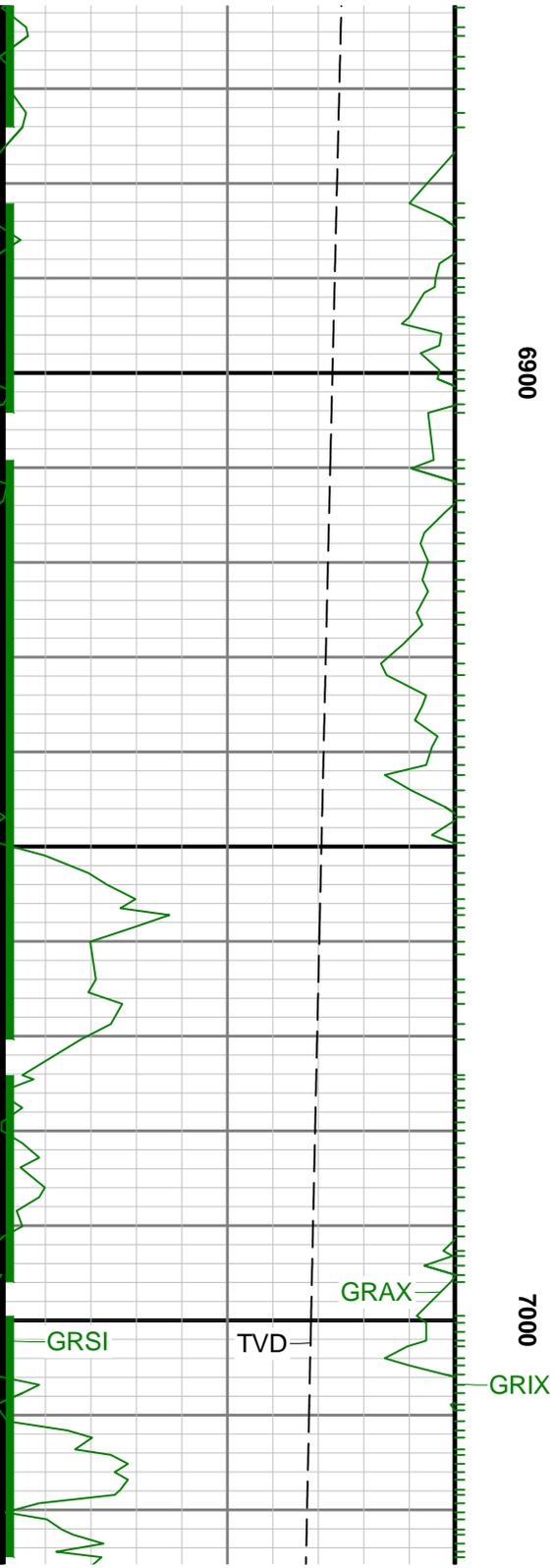




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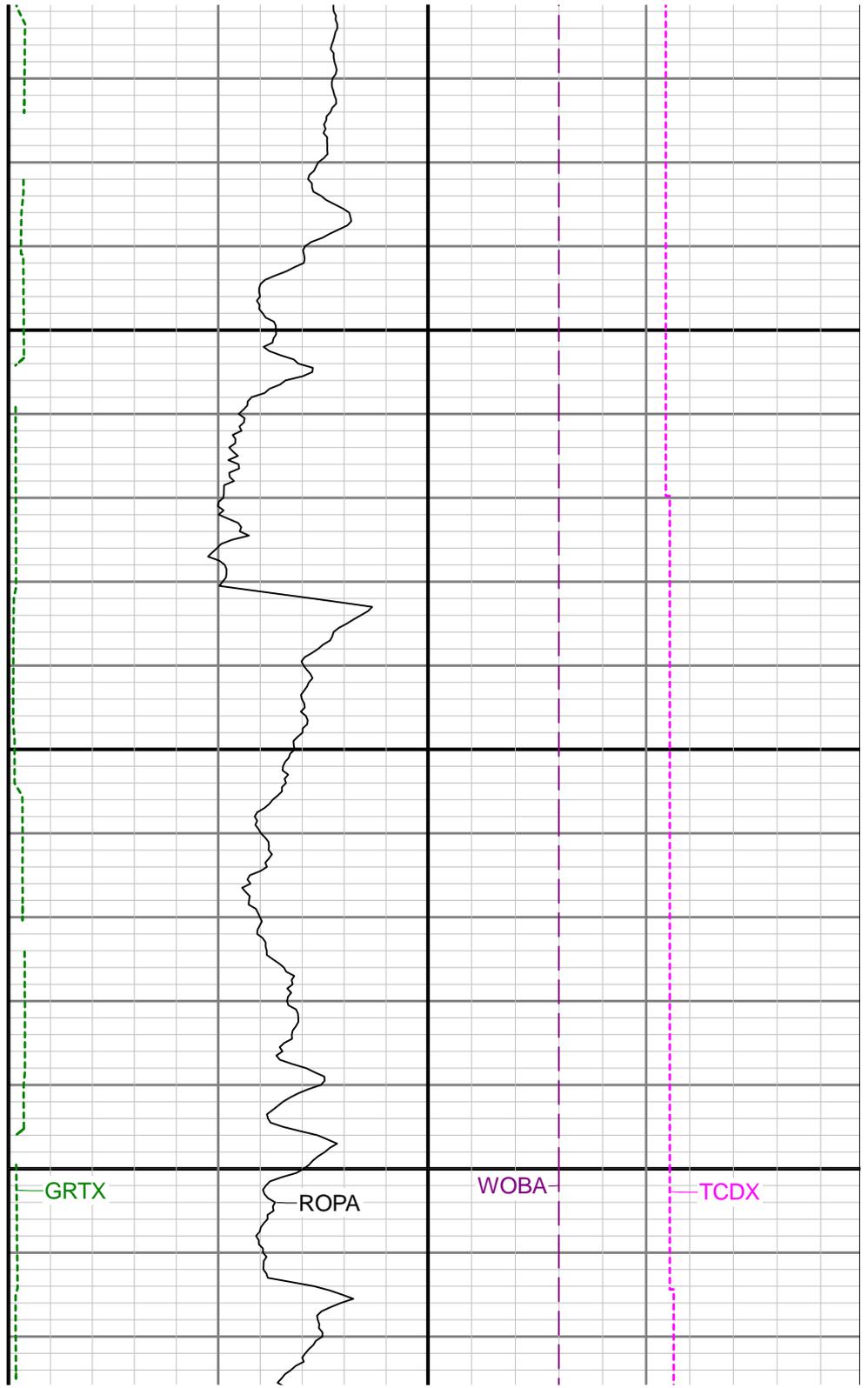
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6900

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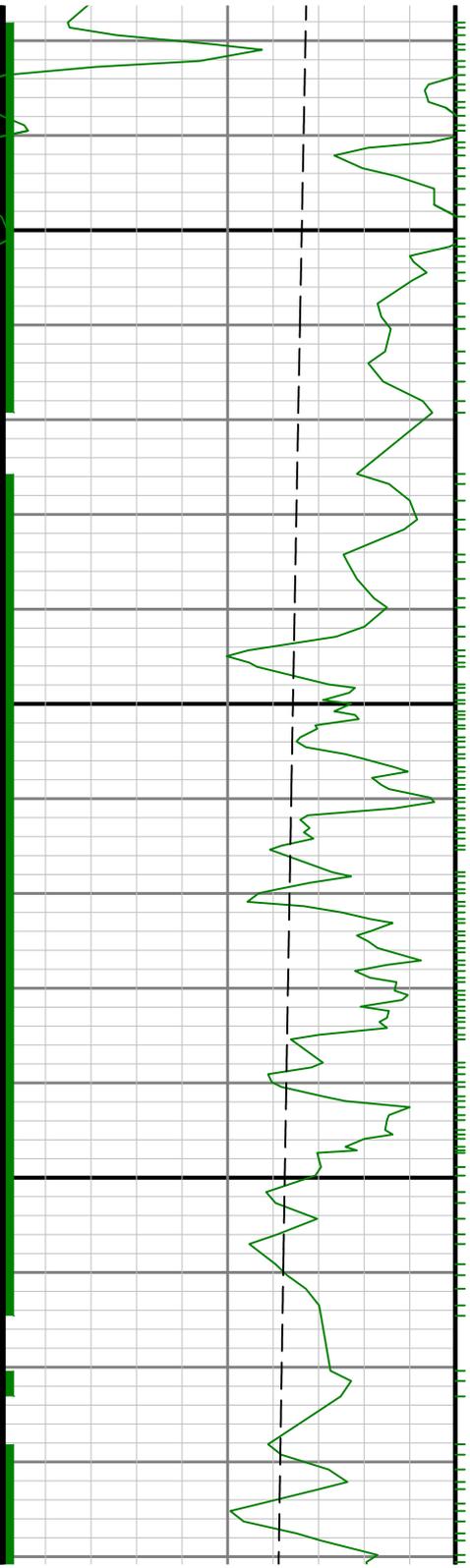


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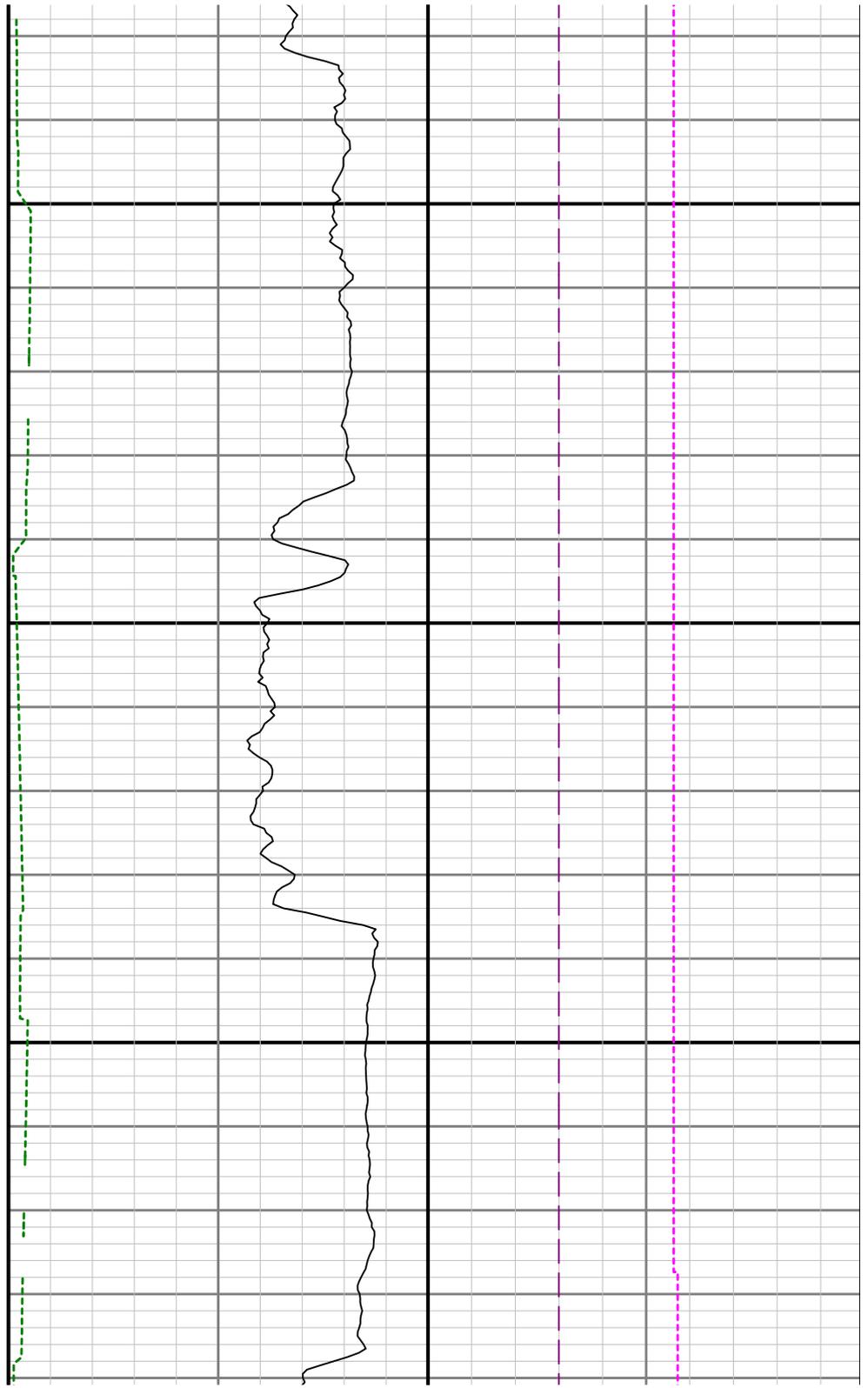
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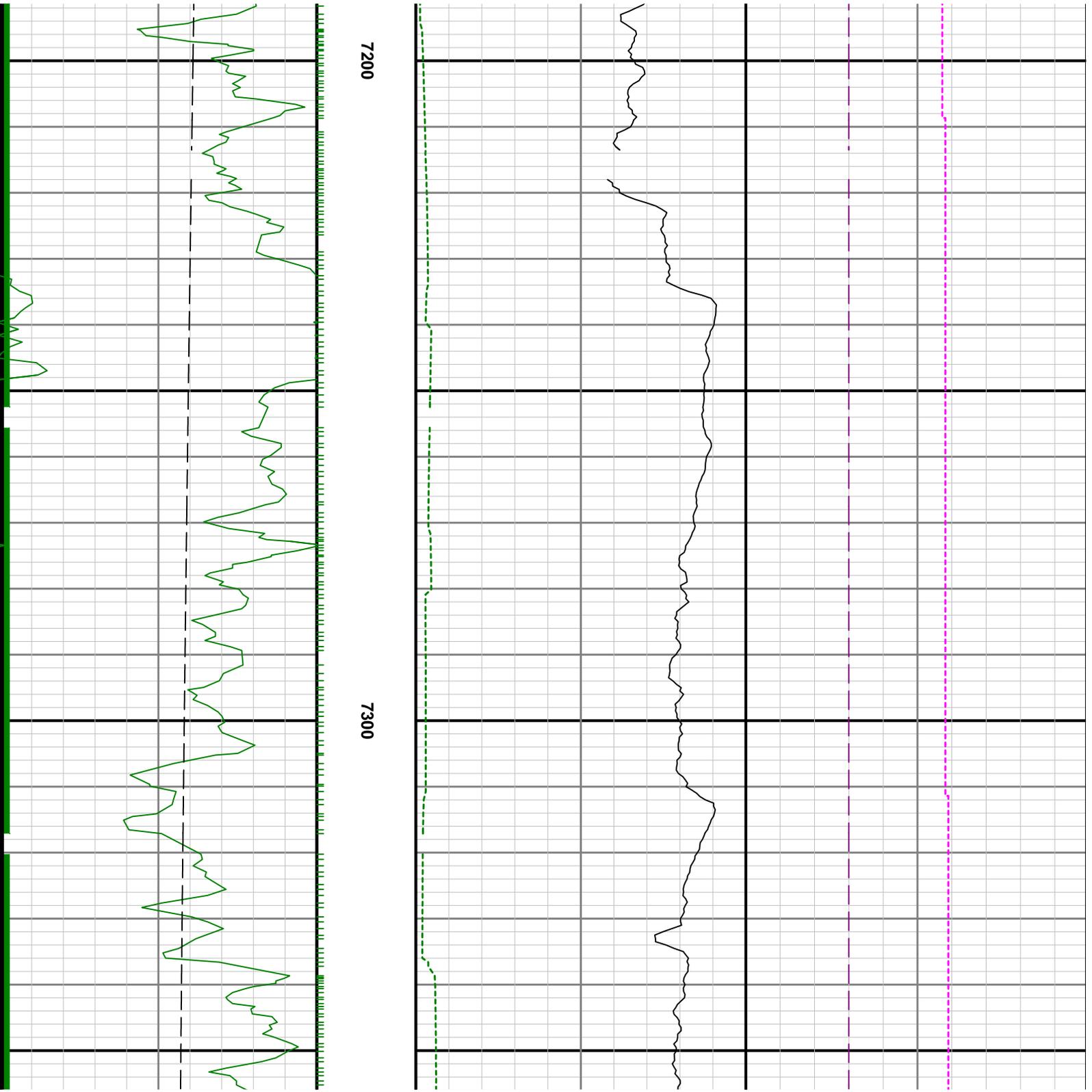
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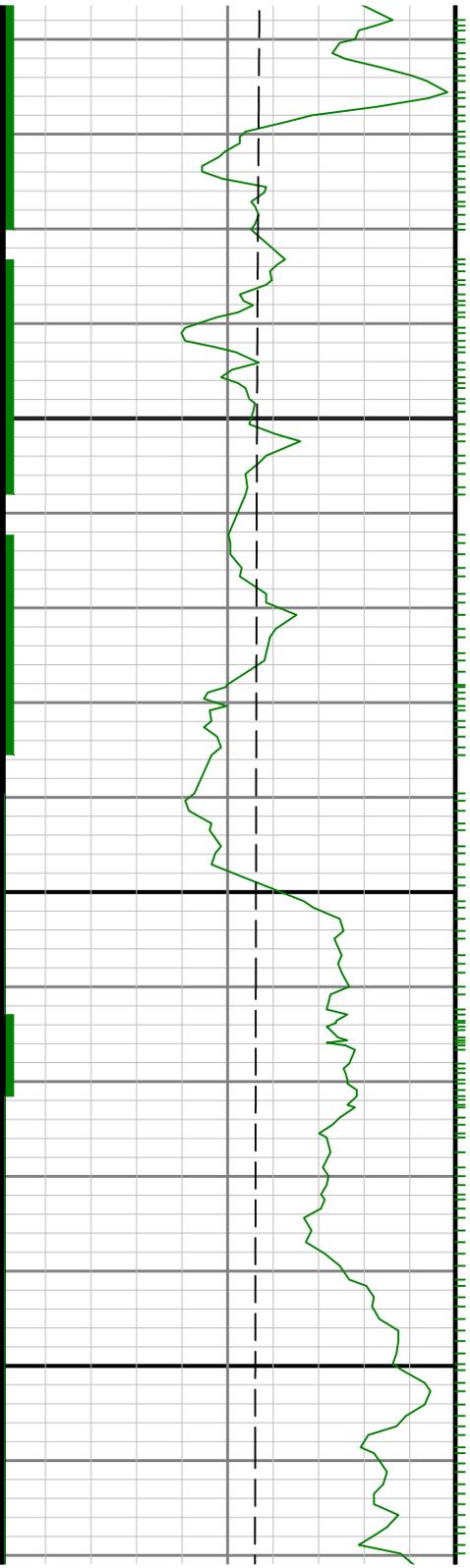
TCDX



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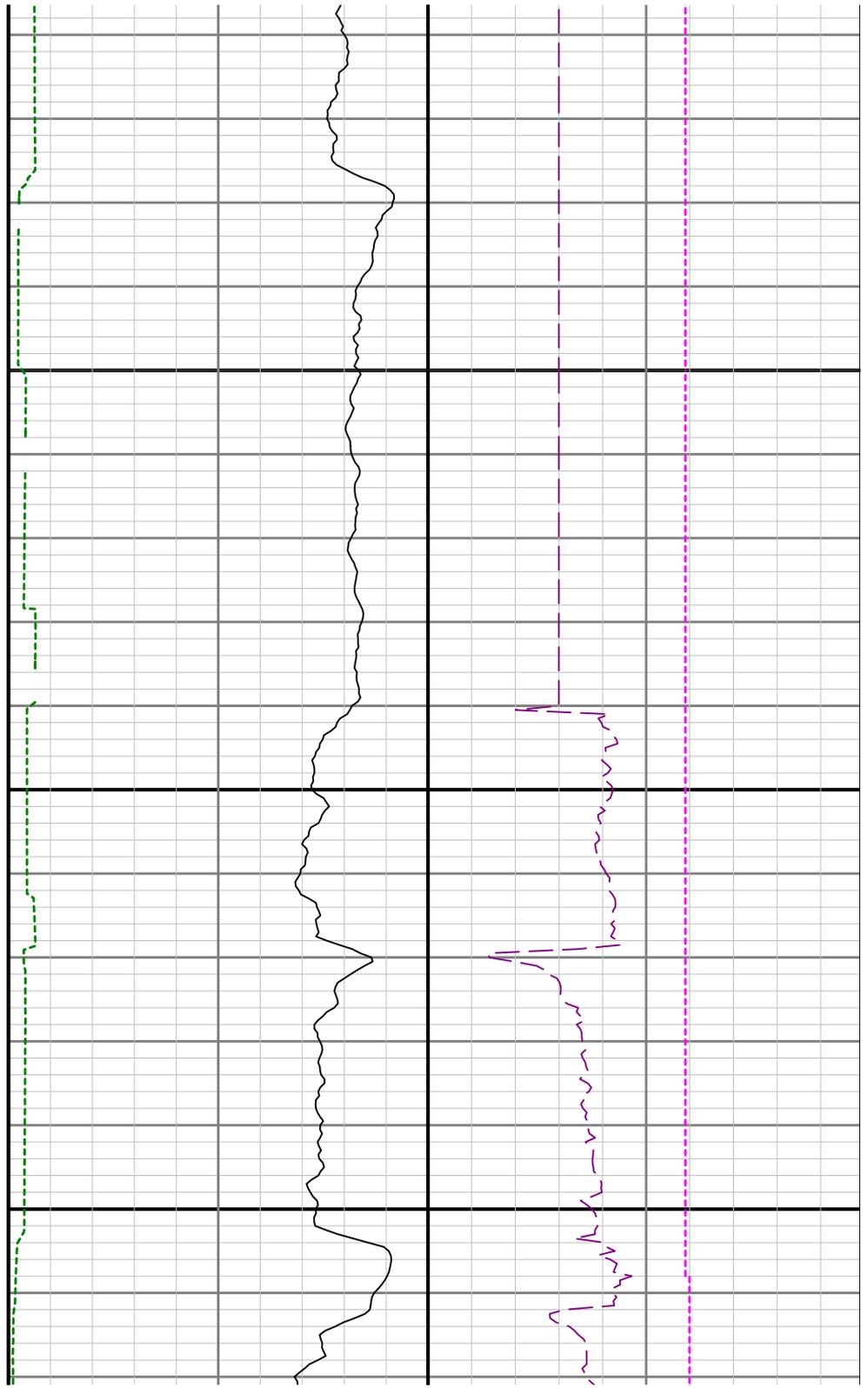


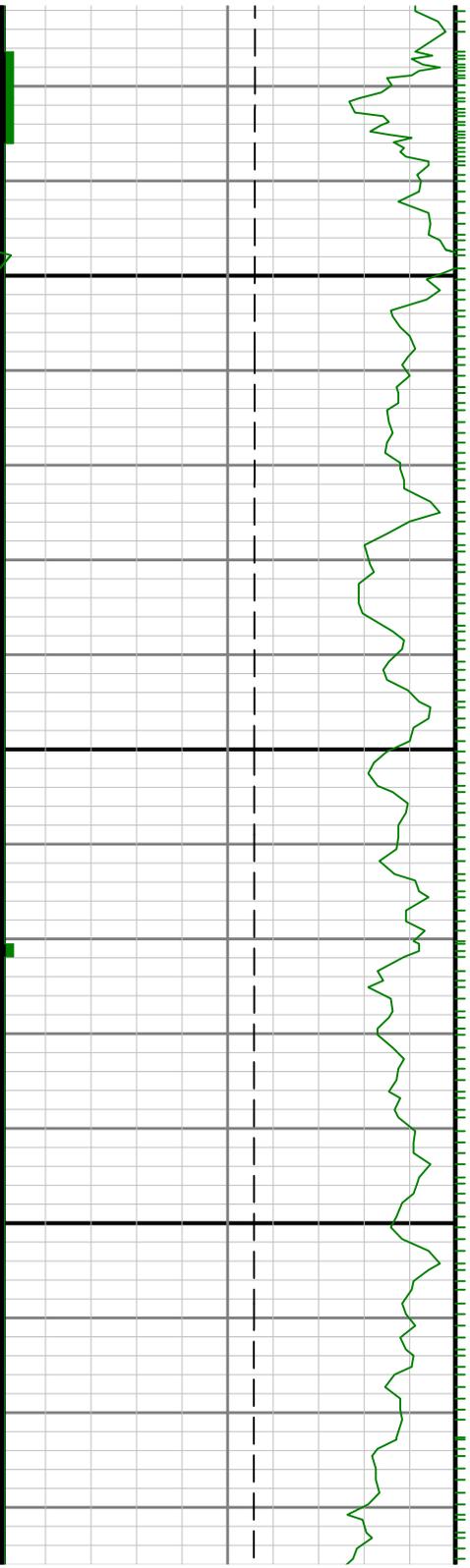




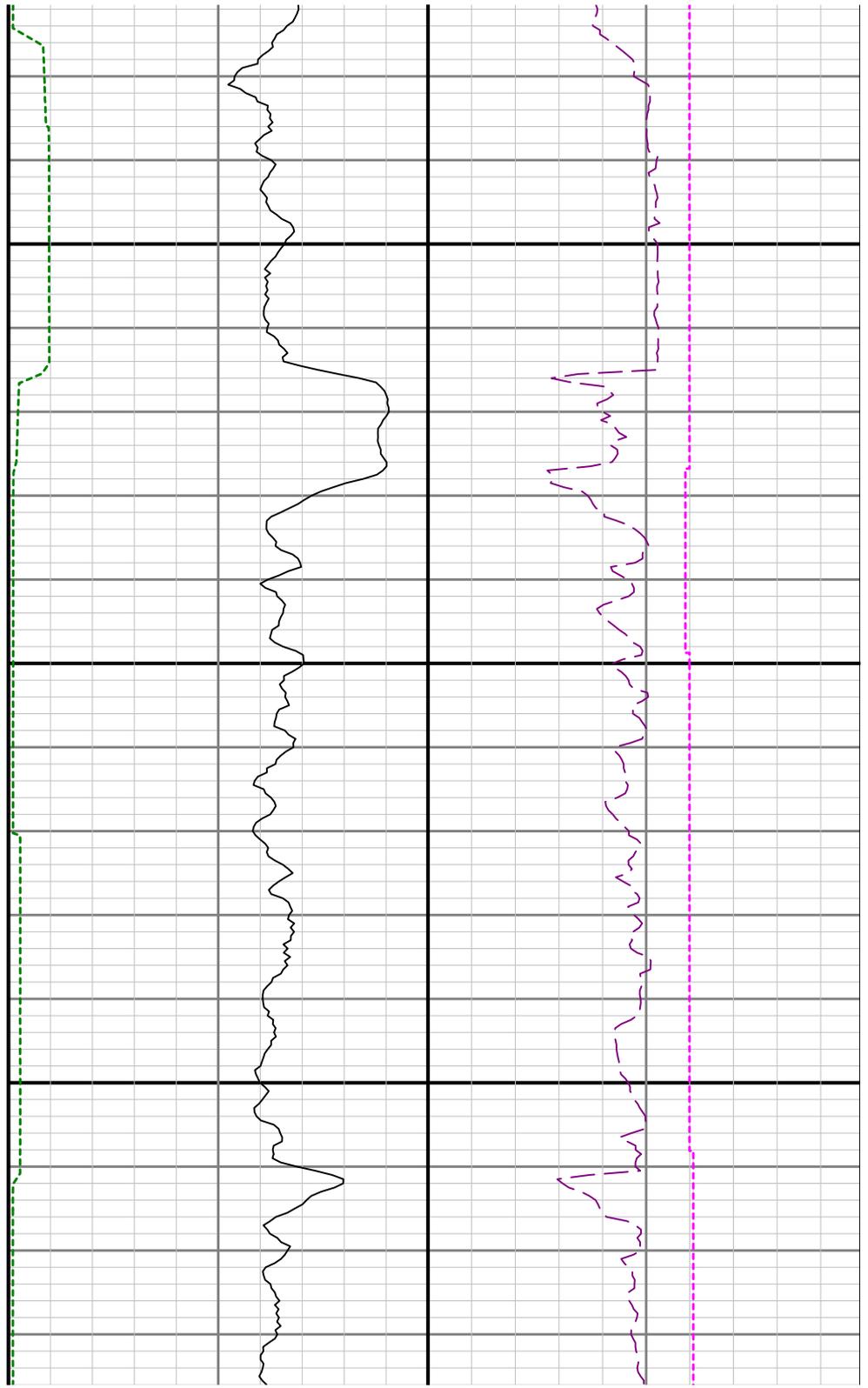
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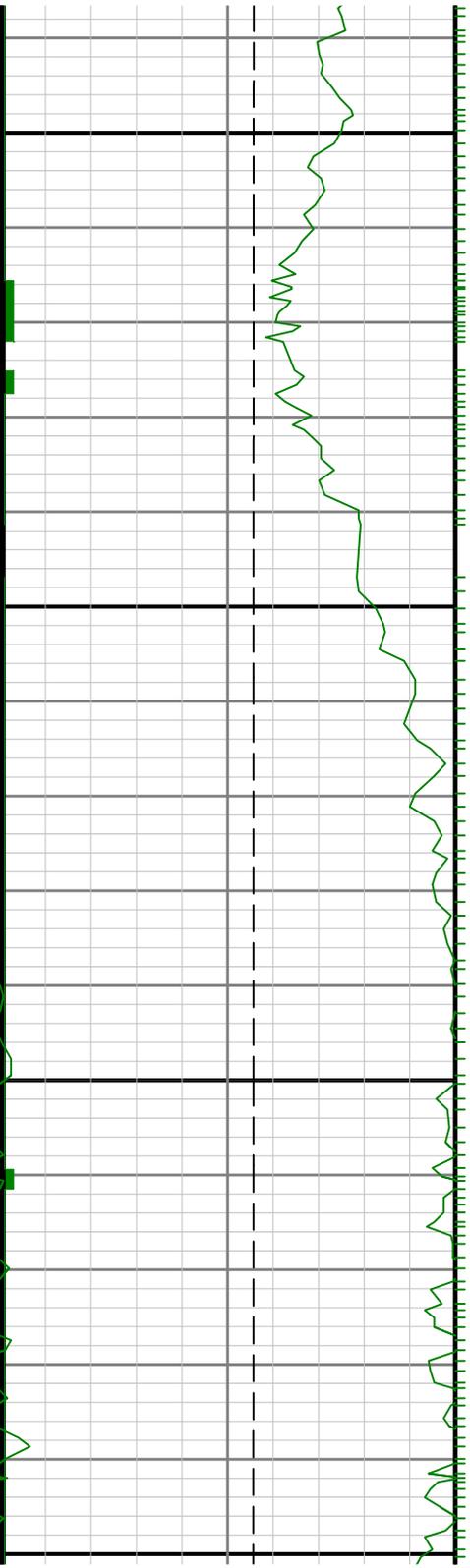
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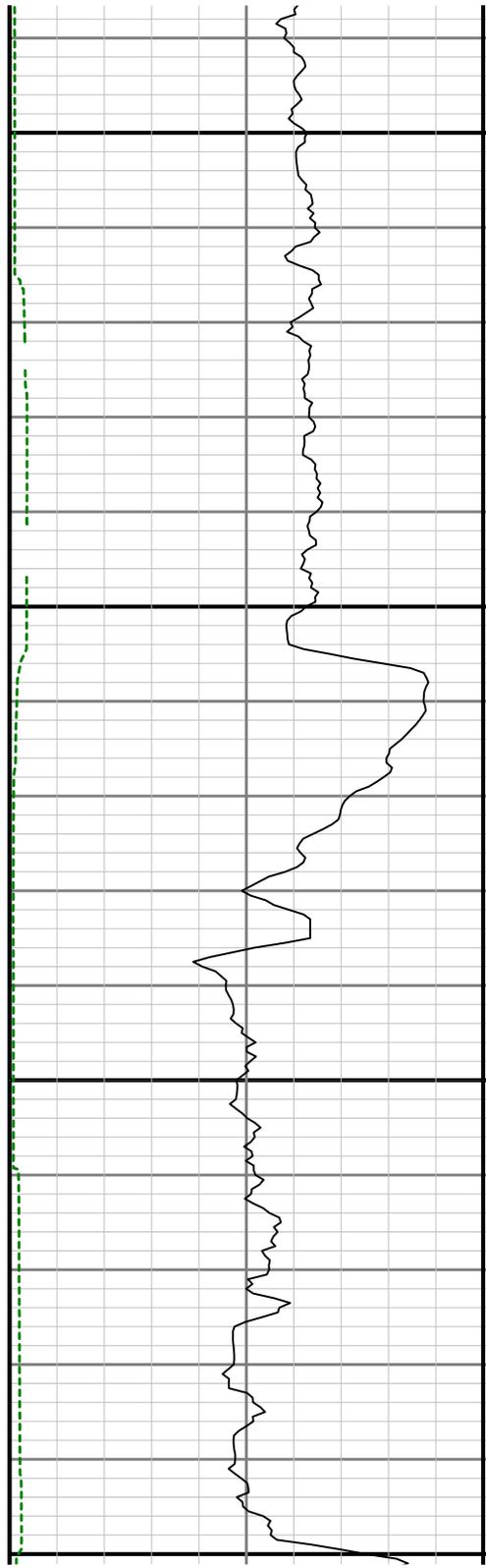
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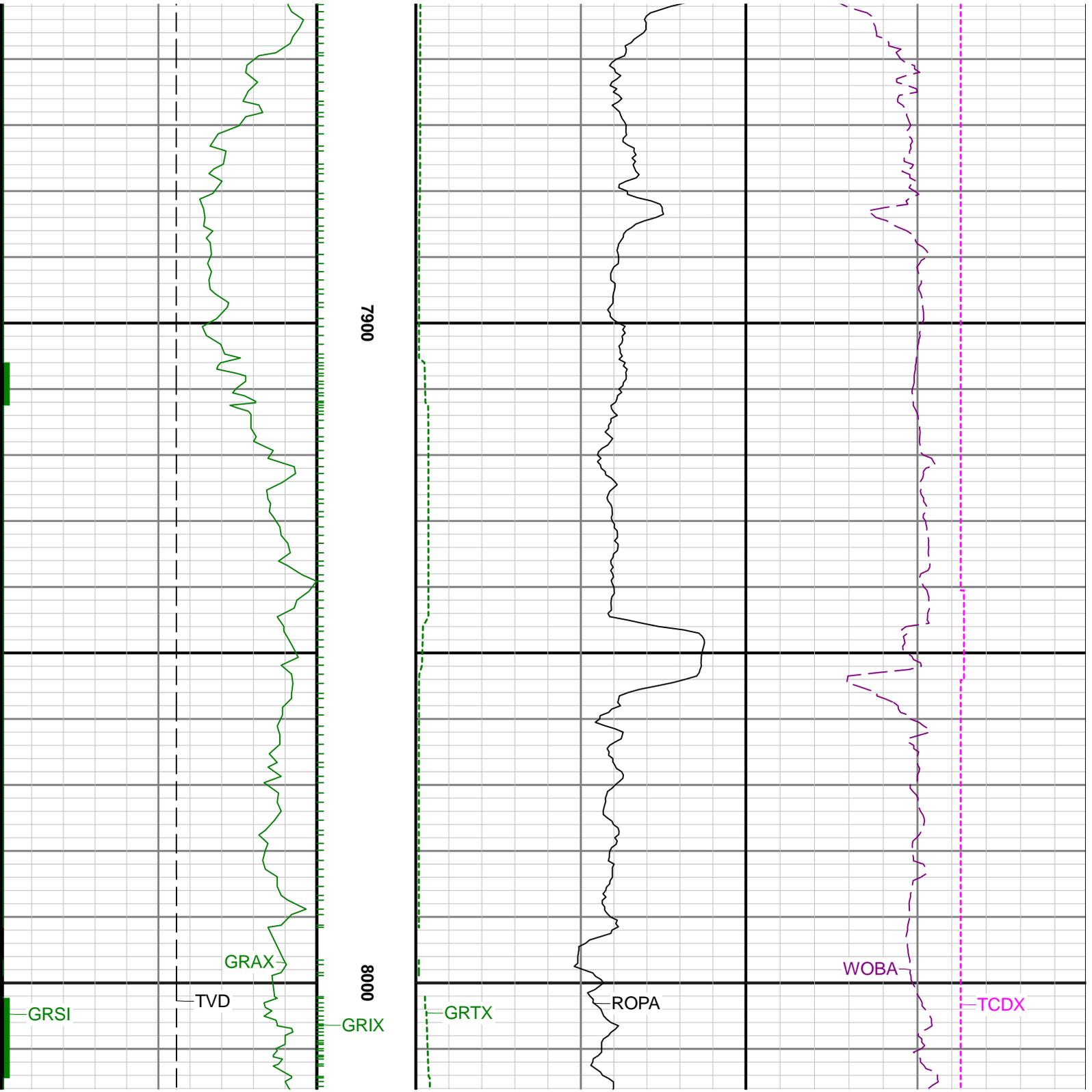


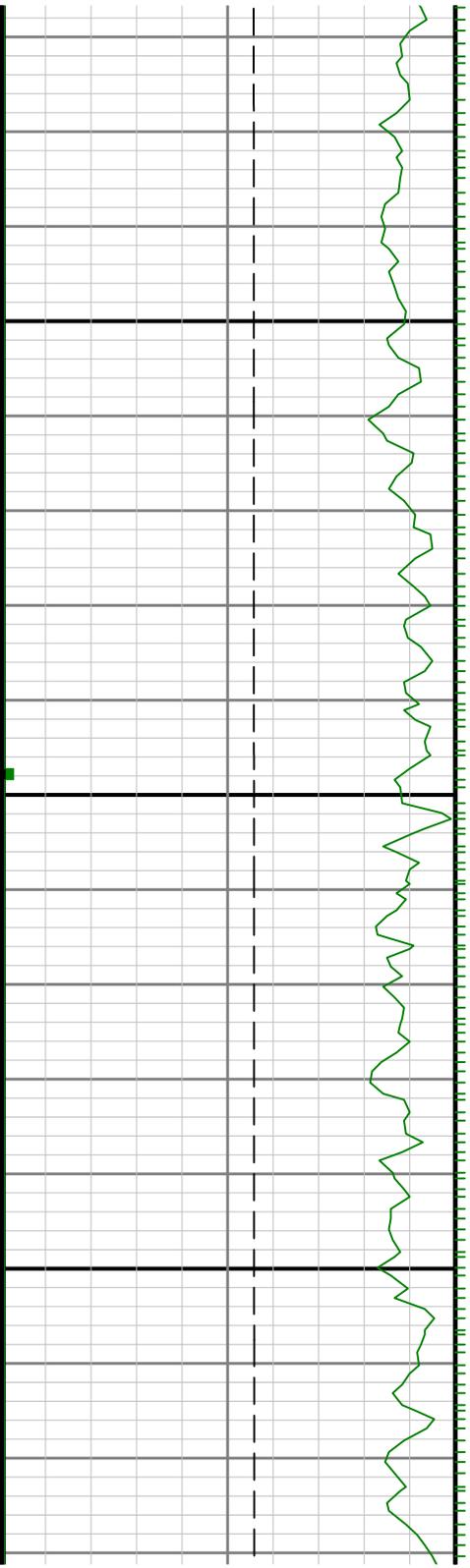


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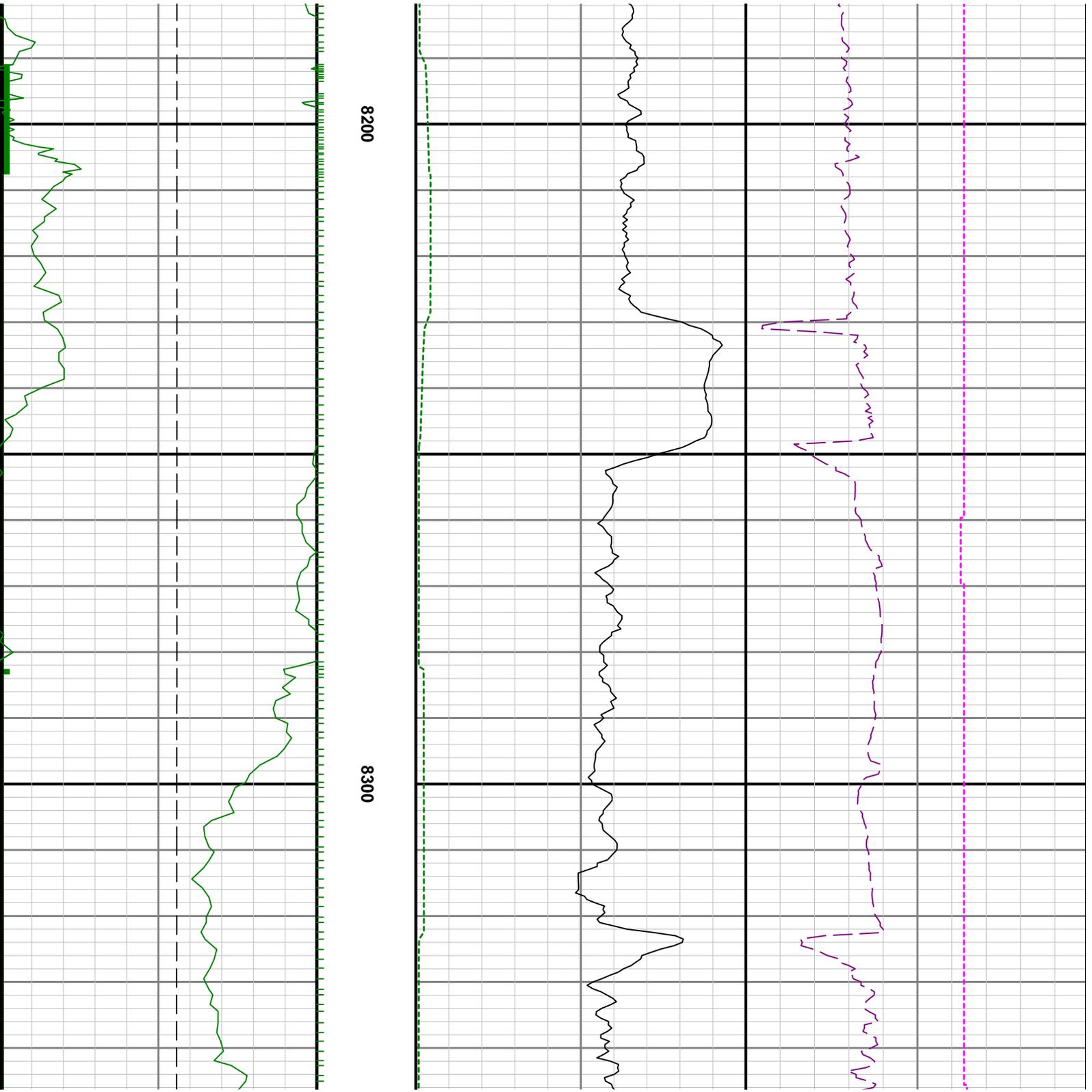


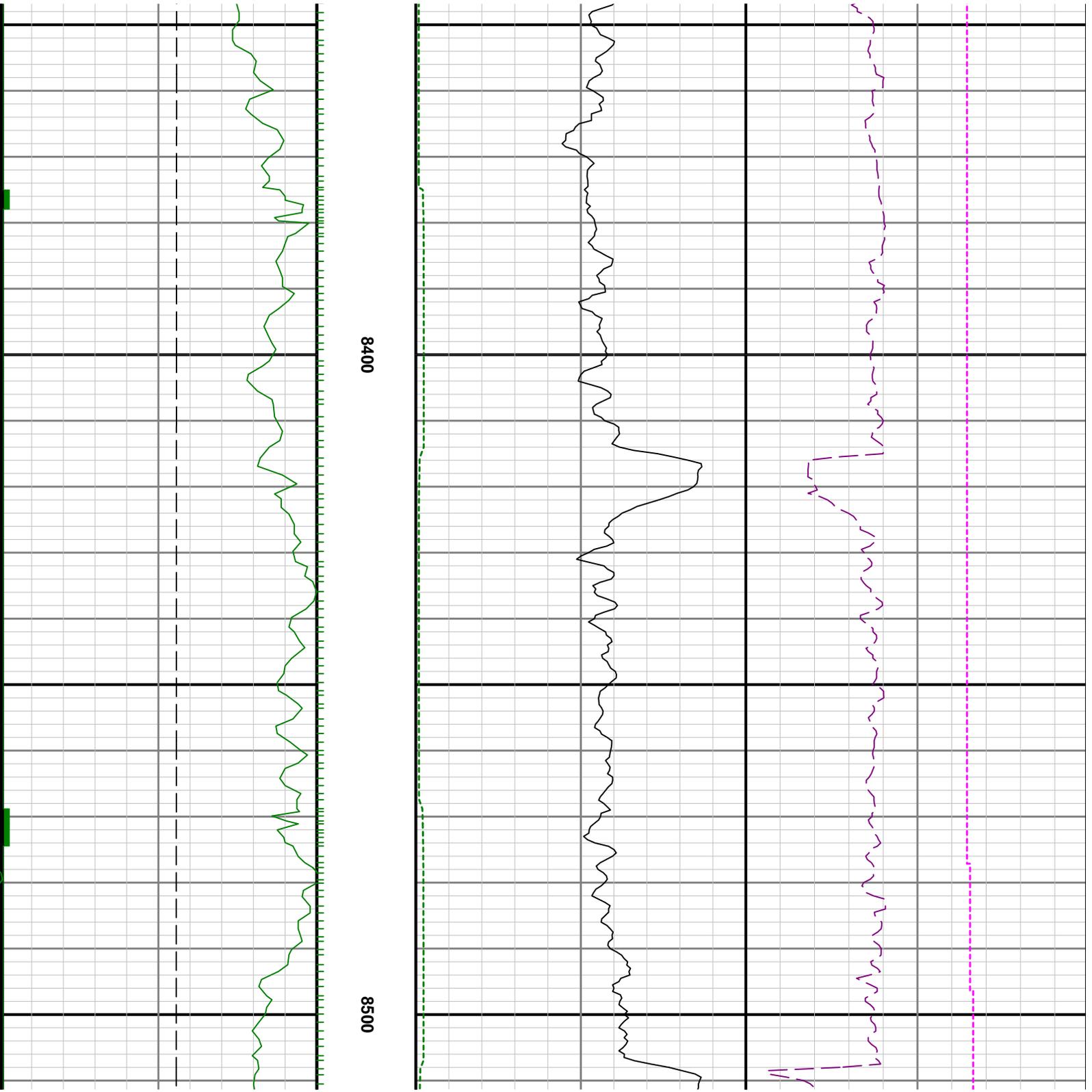




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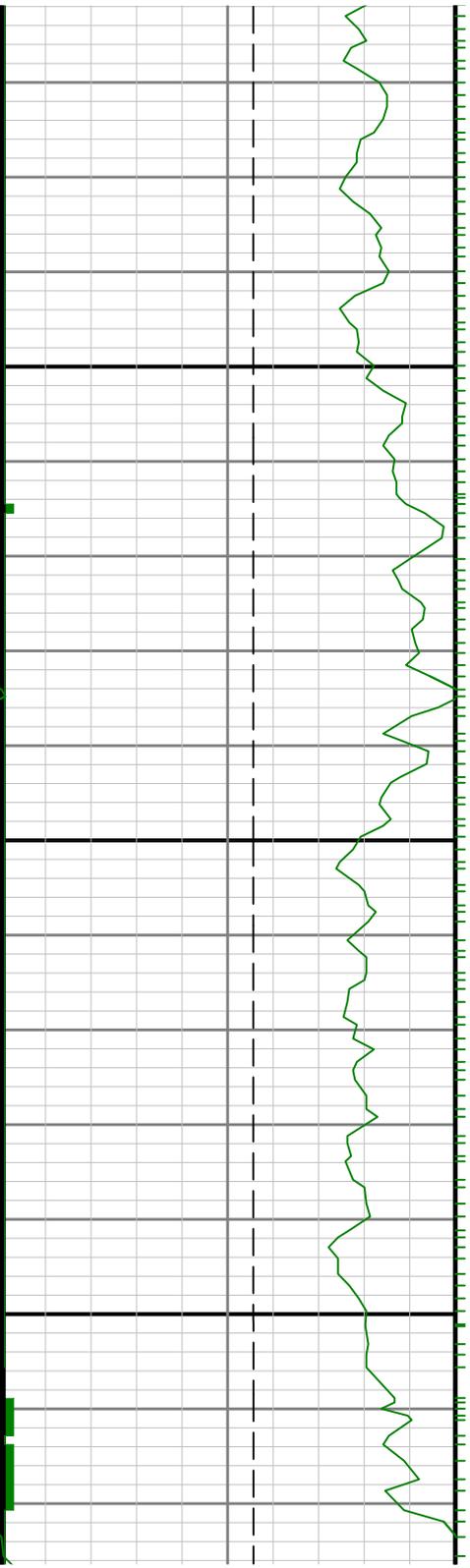




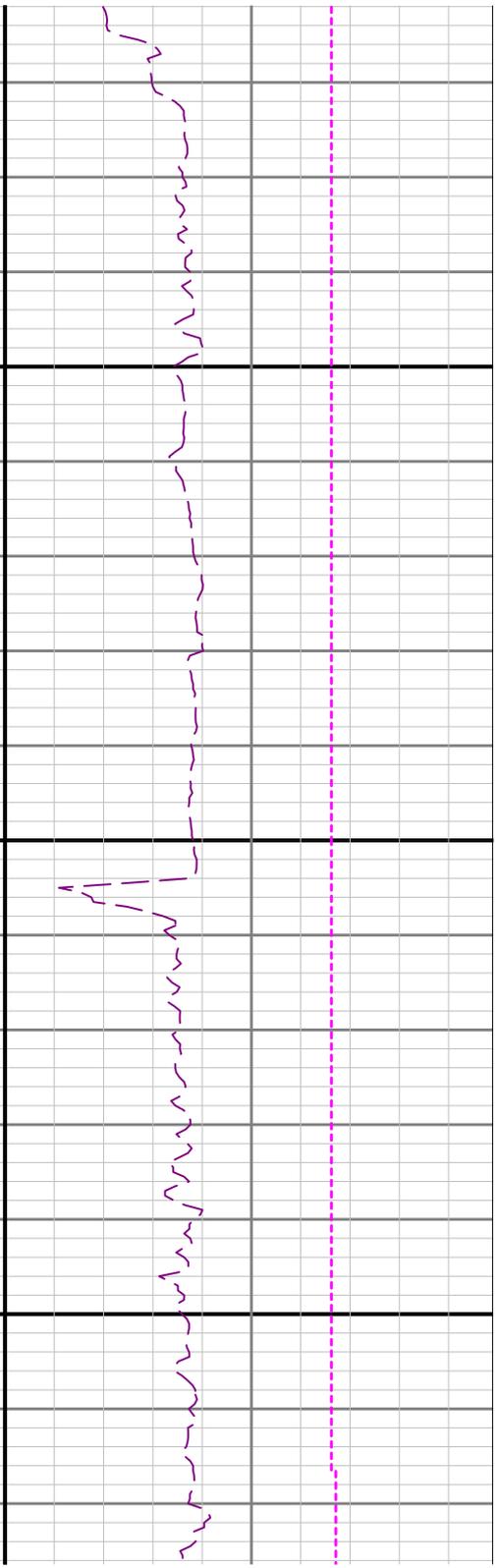


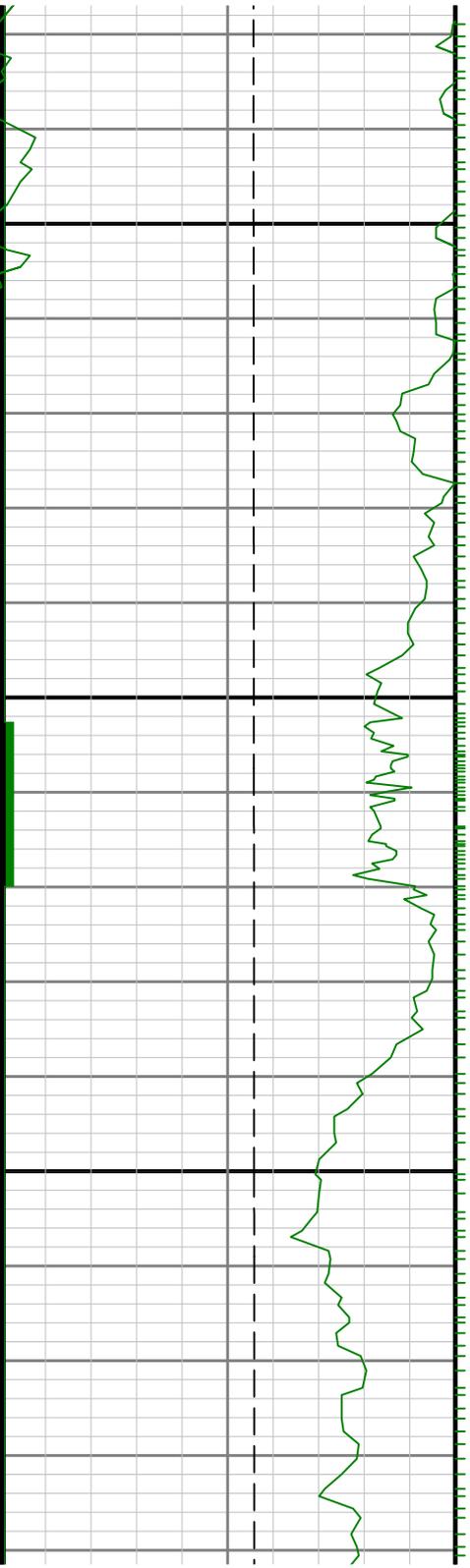
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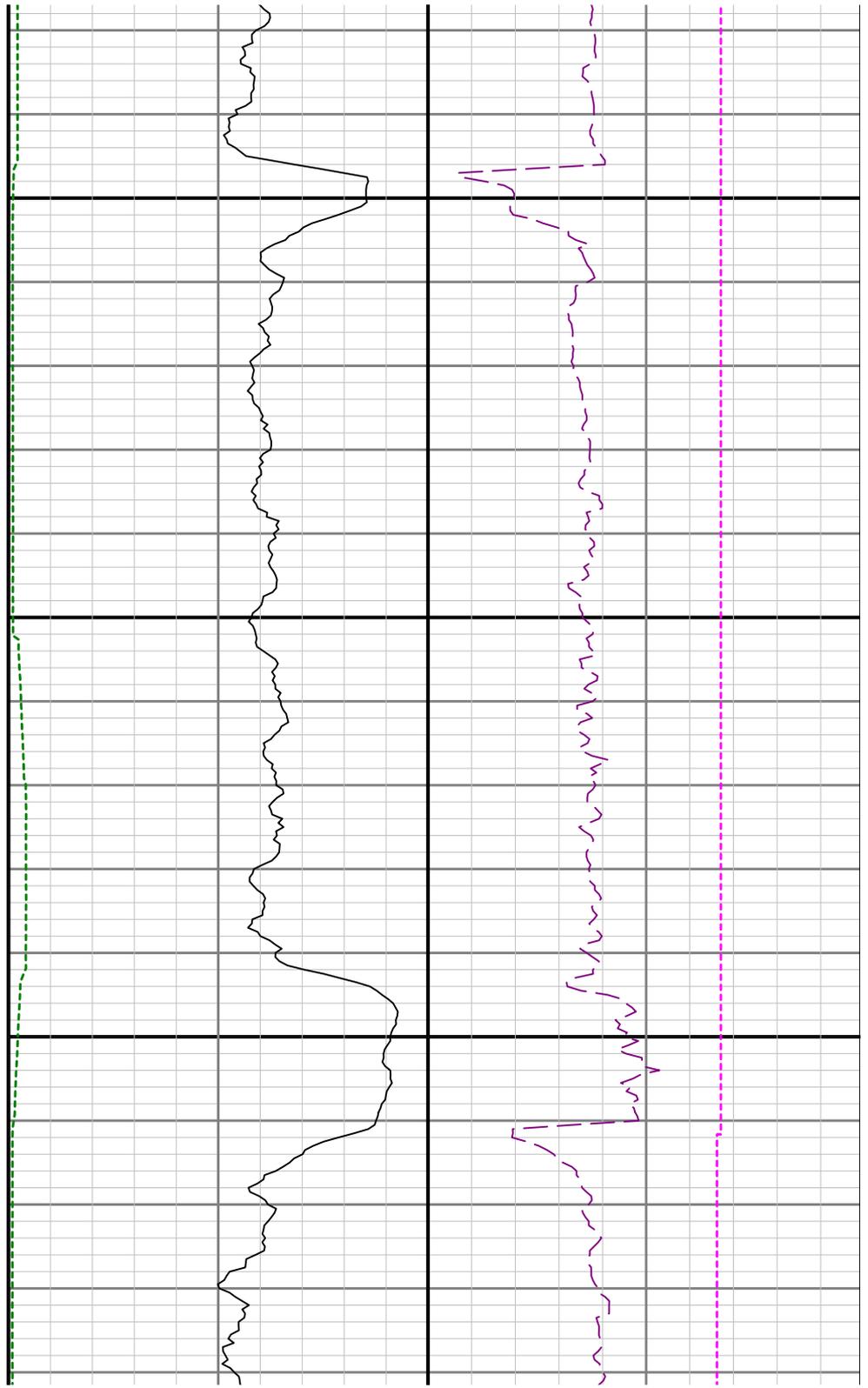
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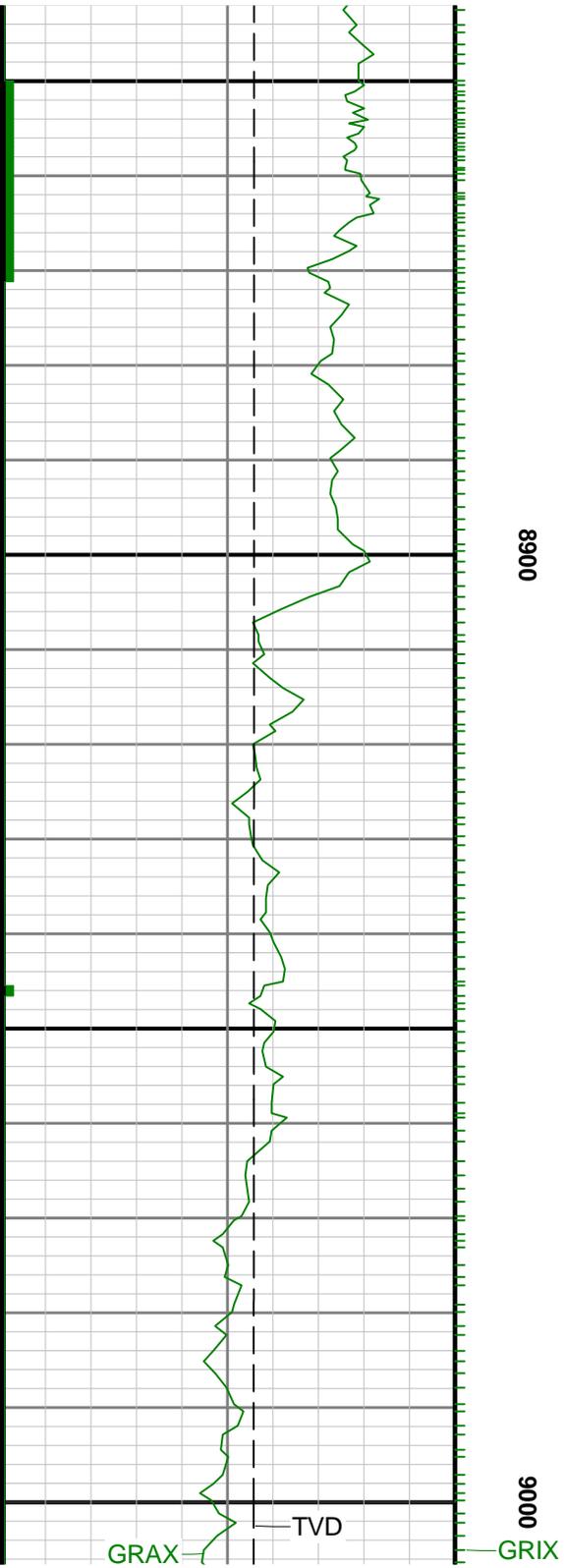


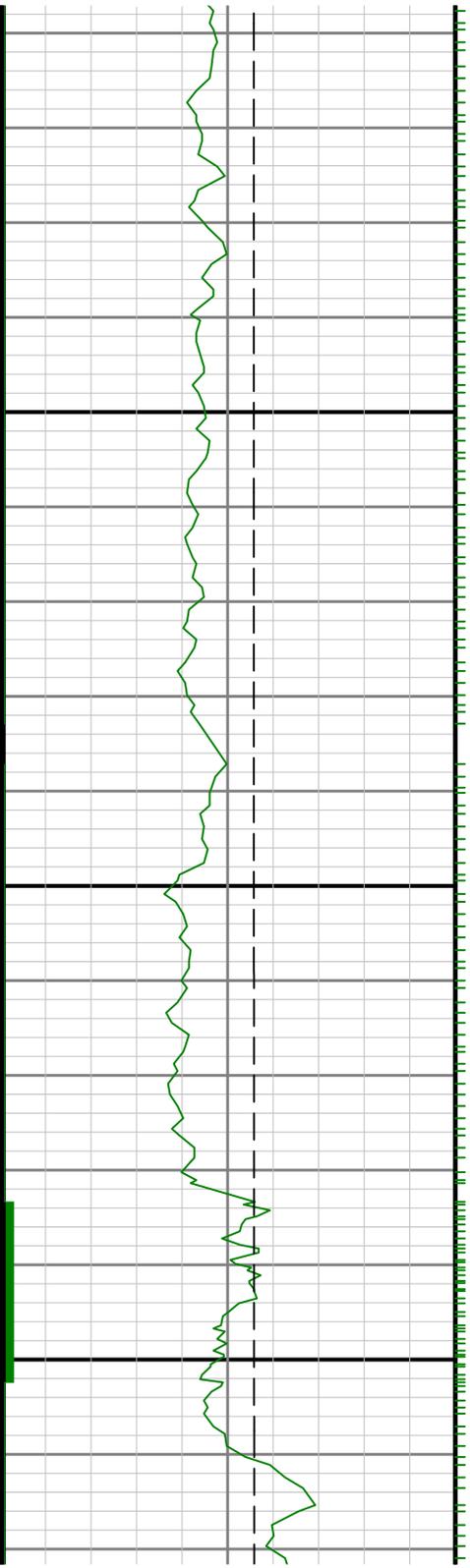


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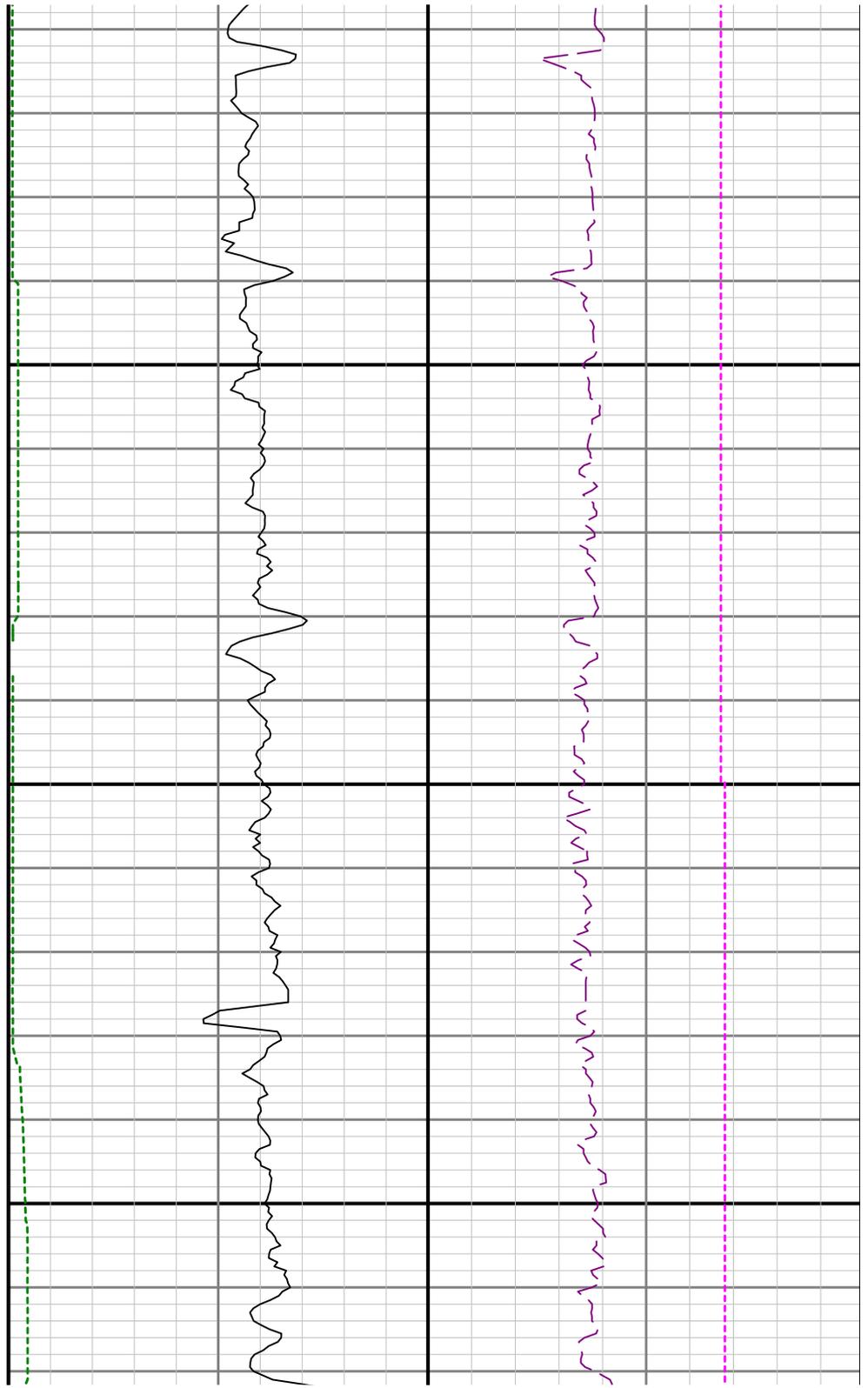
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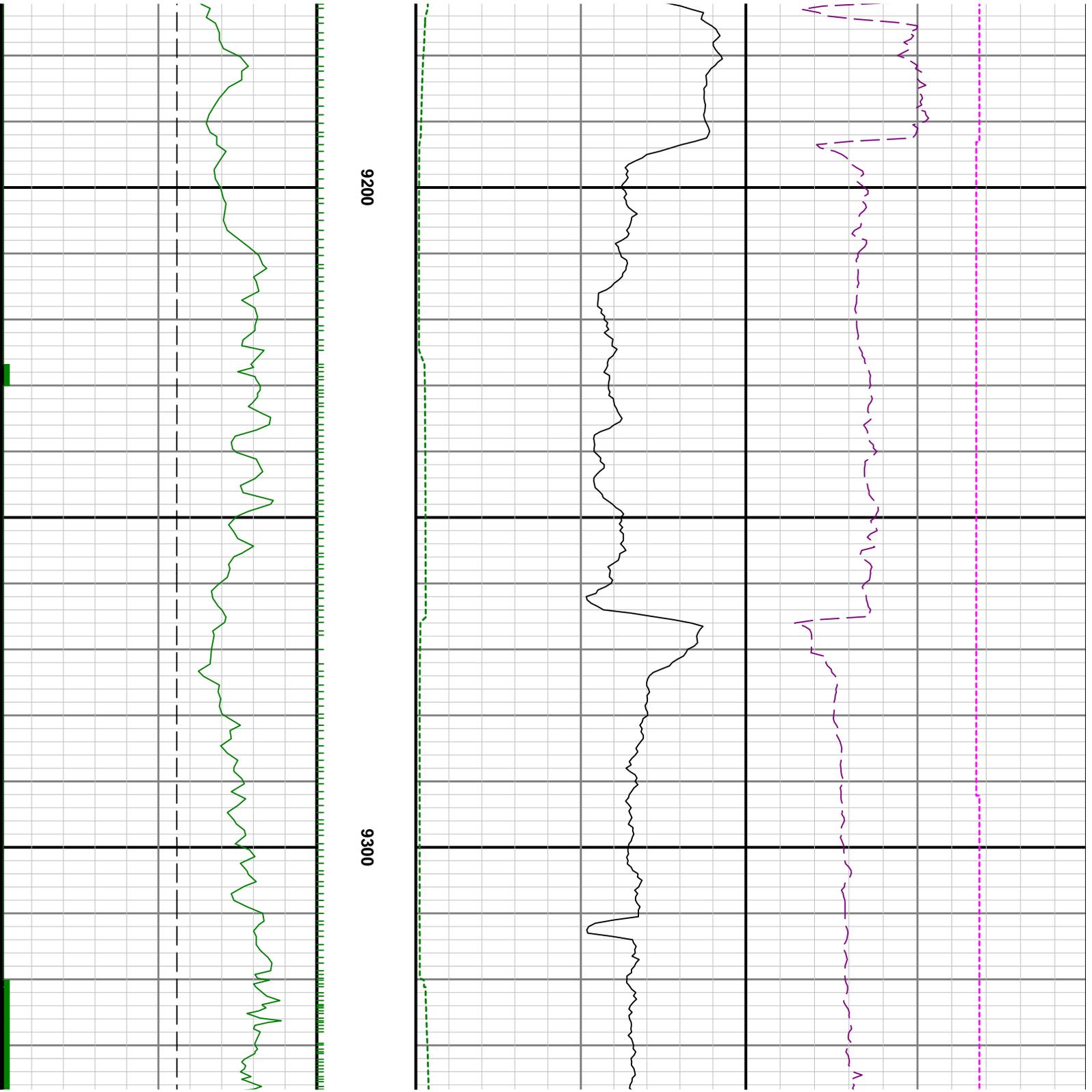


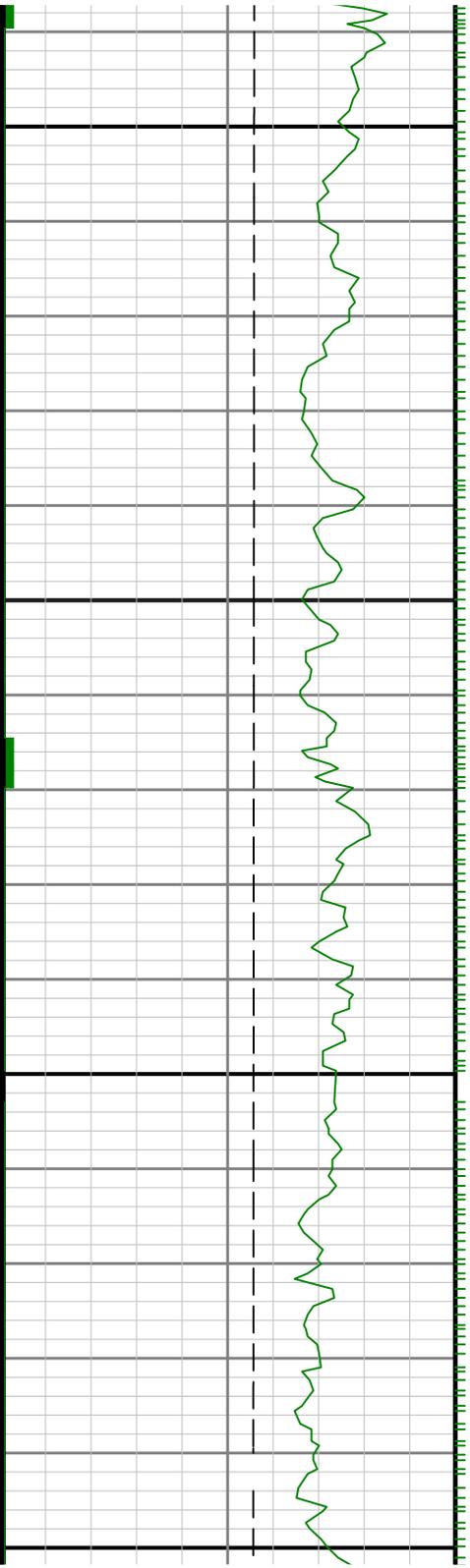




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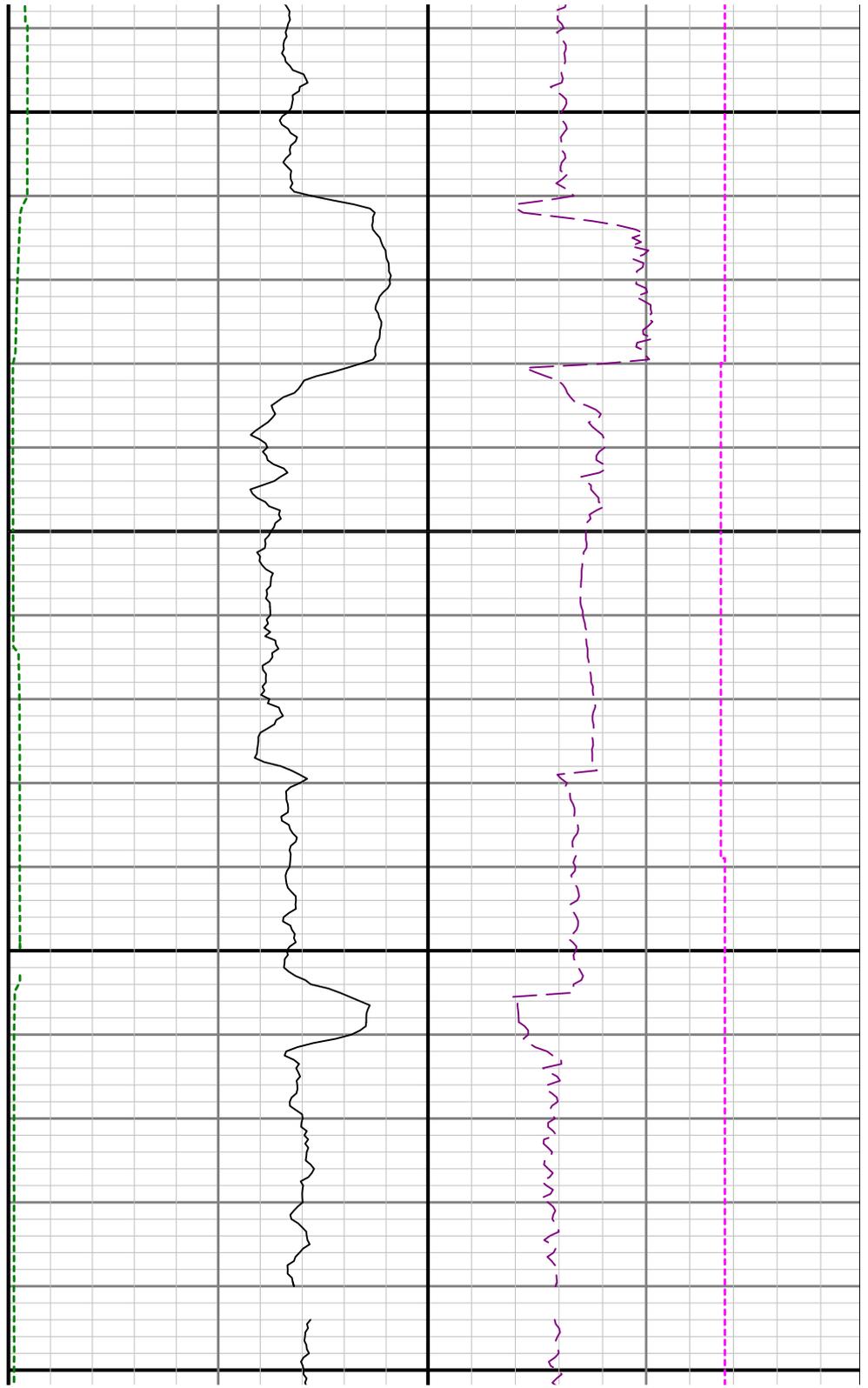


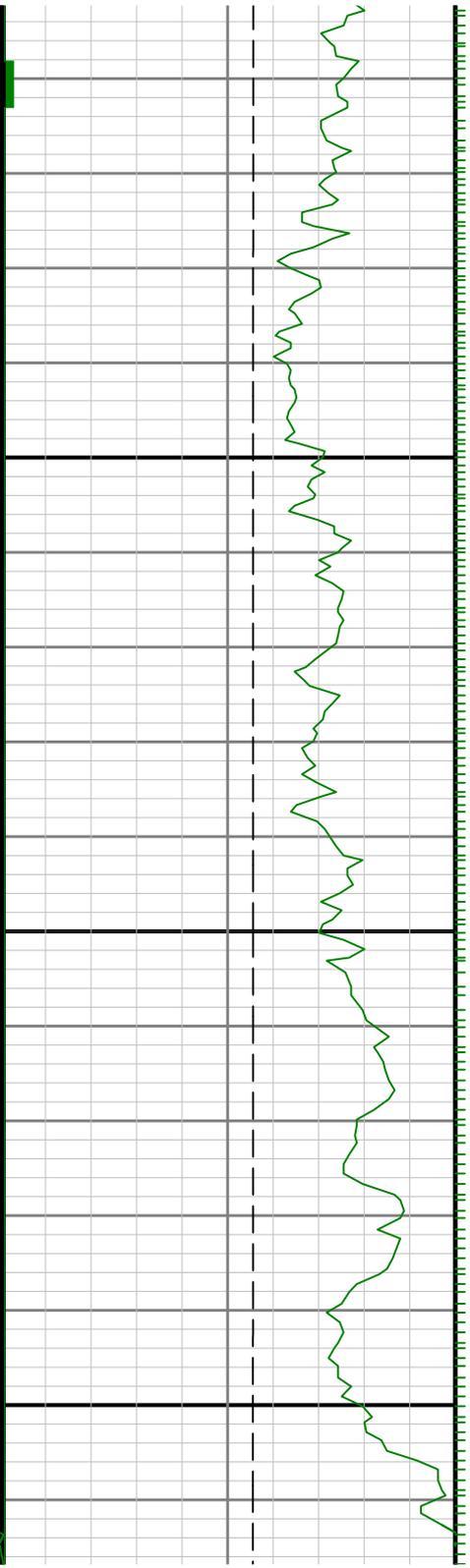




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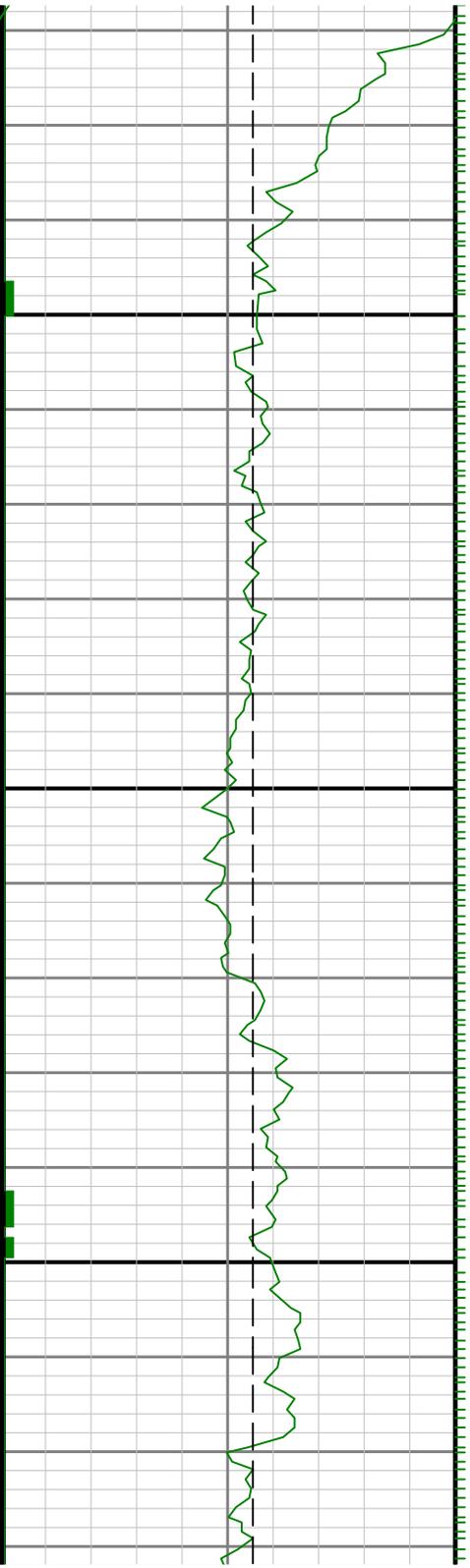
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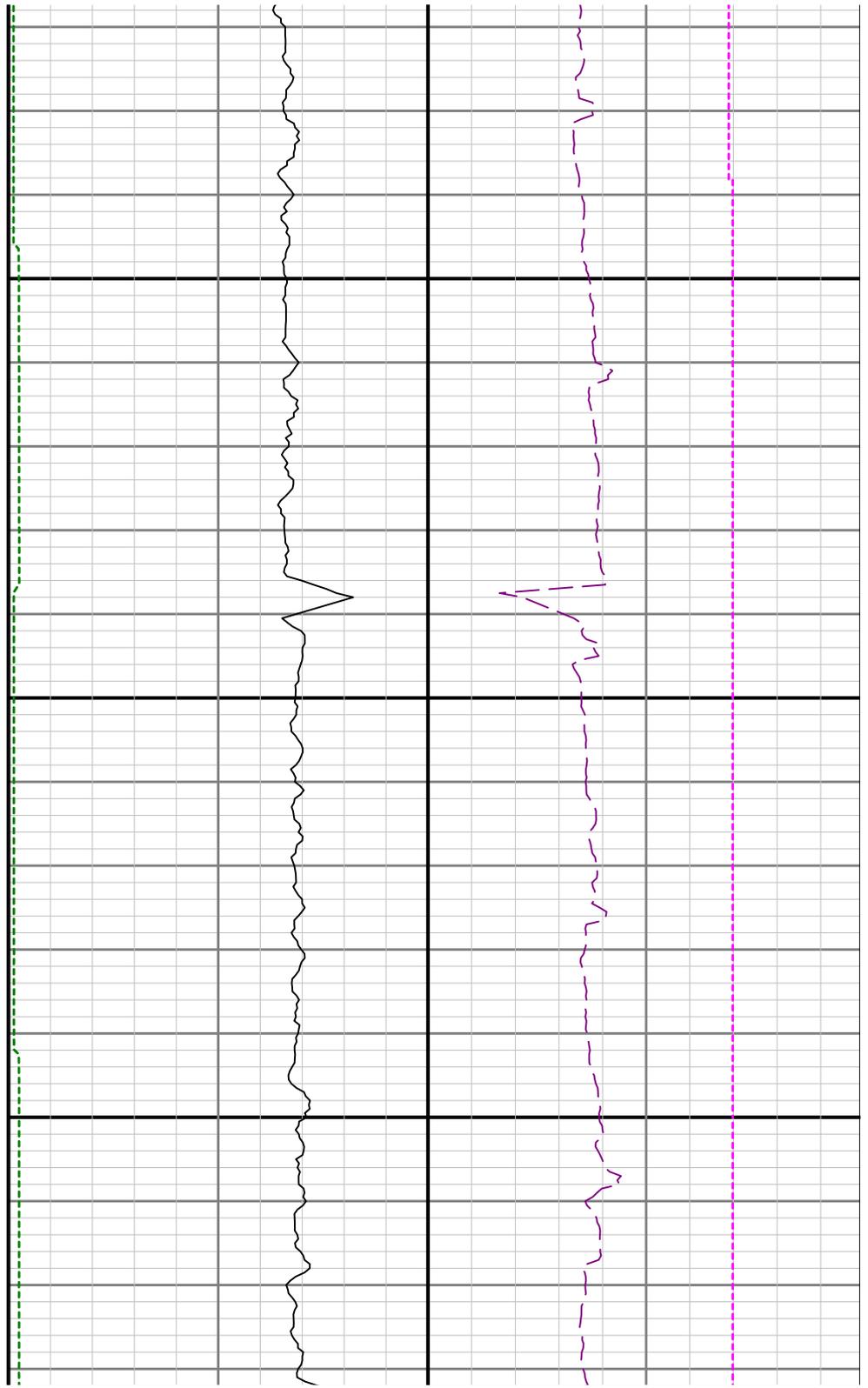
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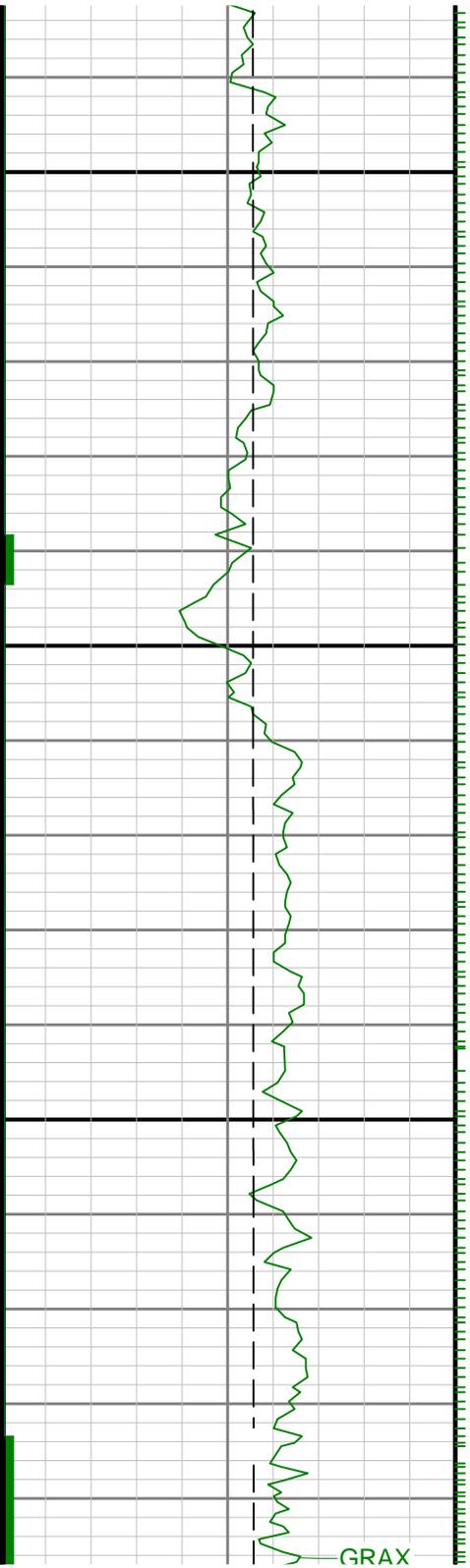




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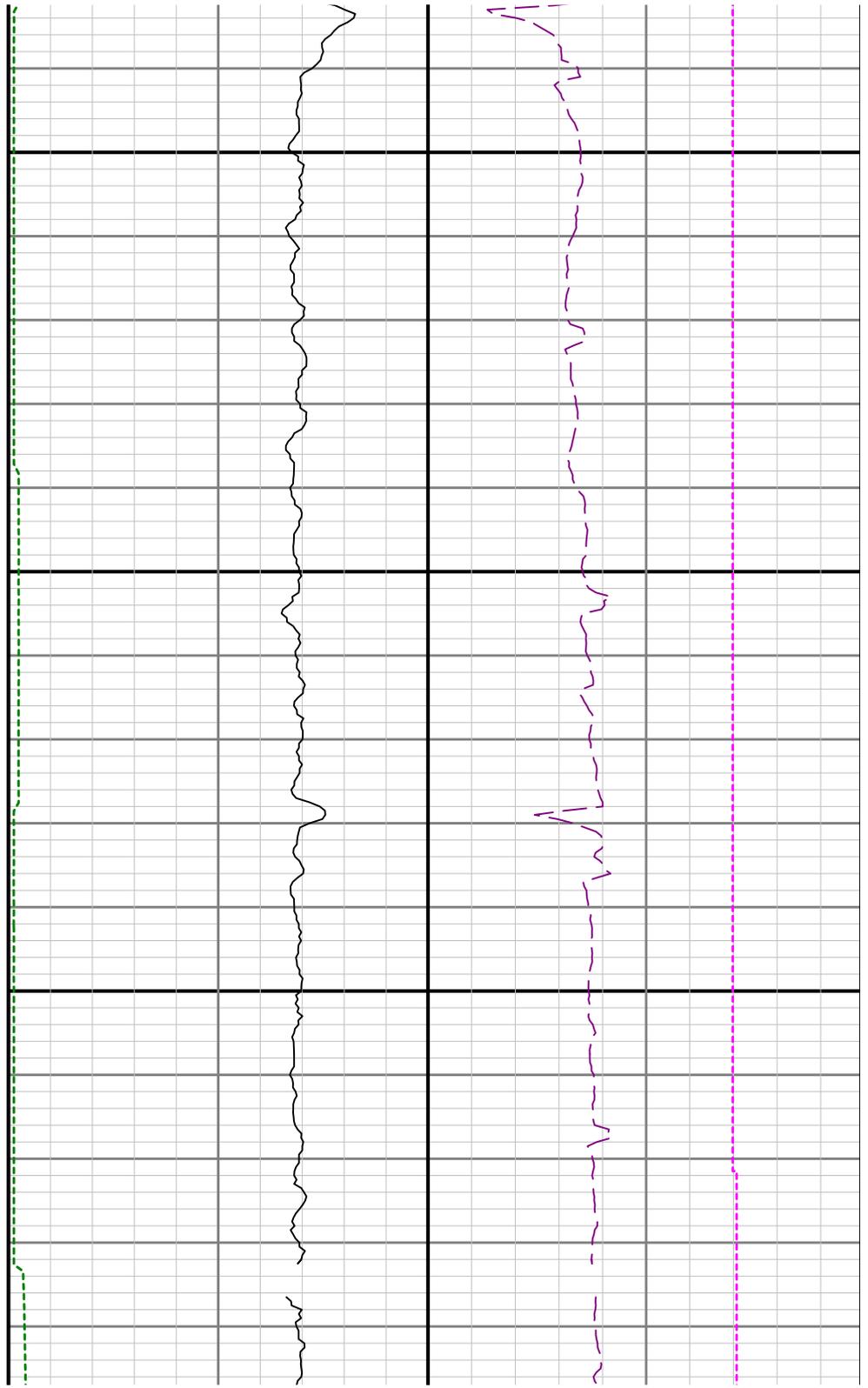
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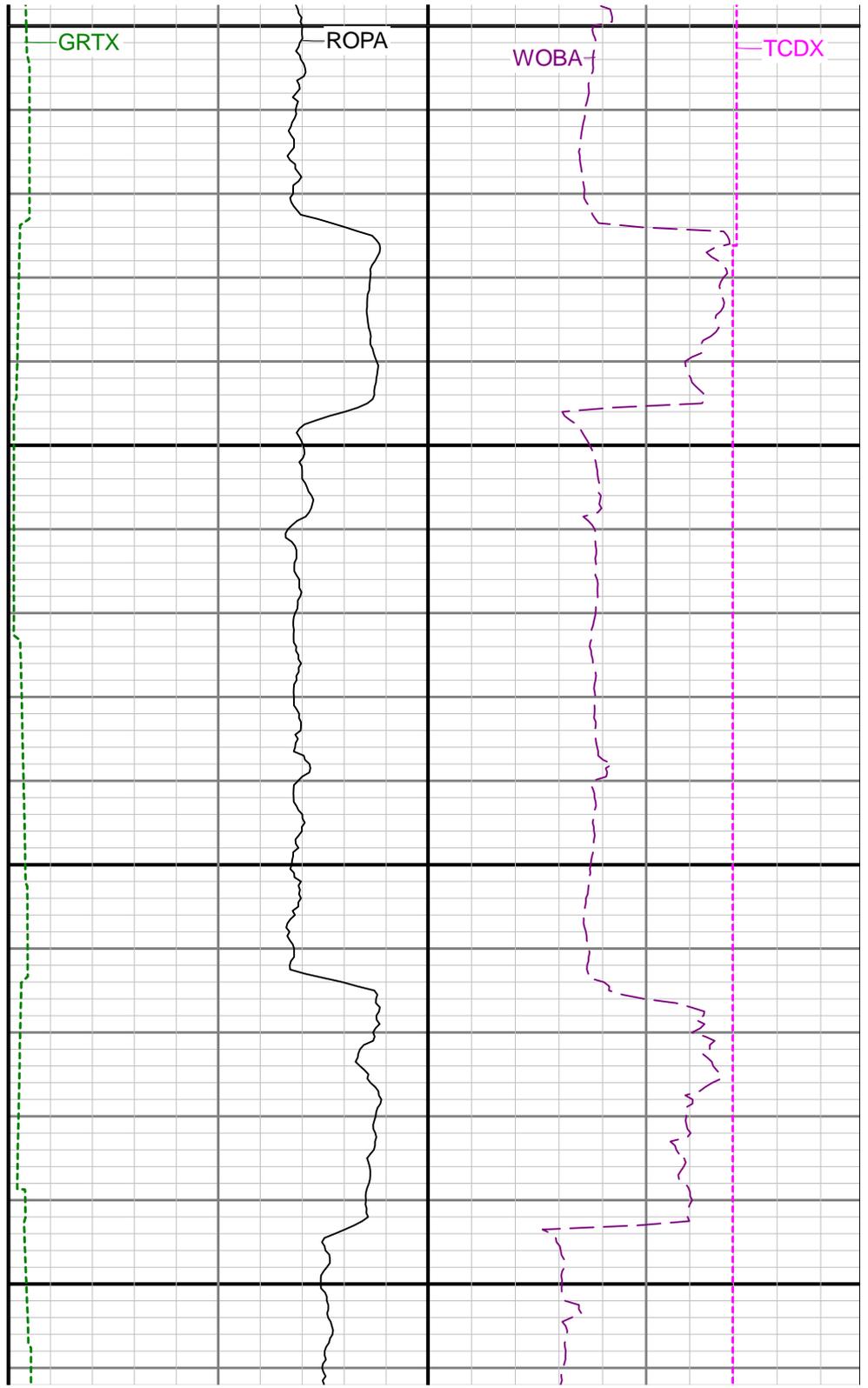
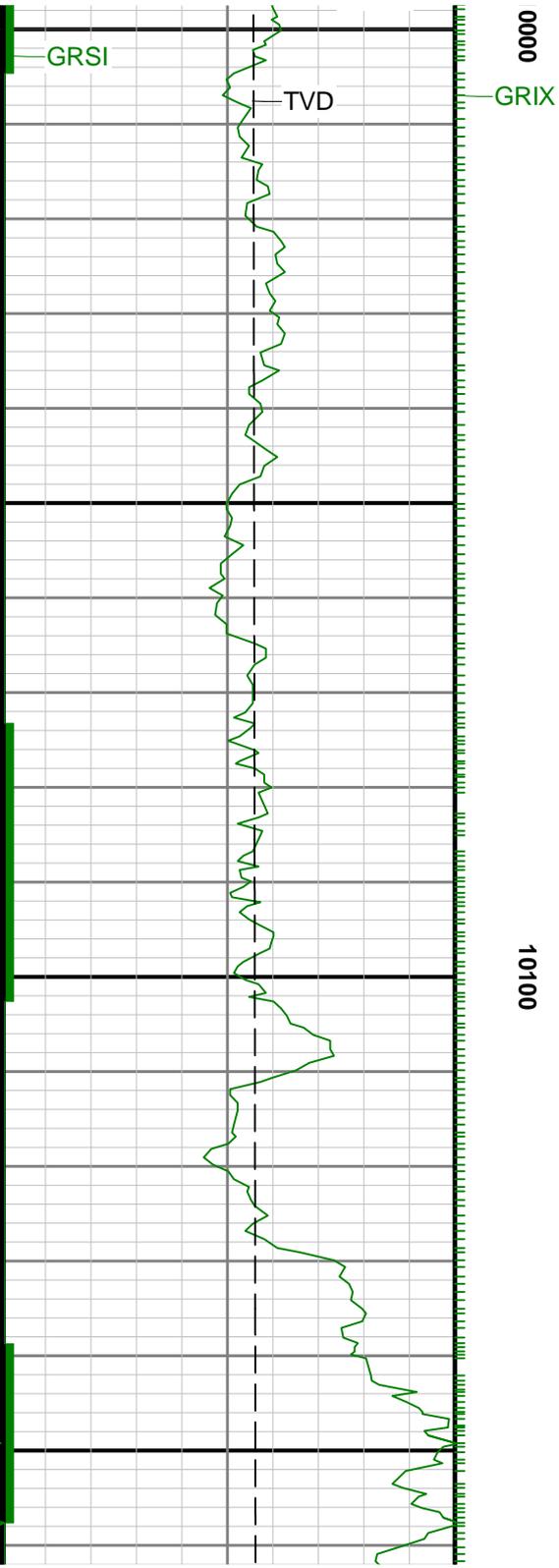




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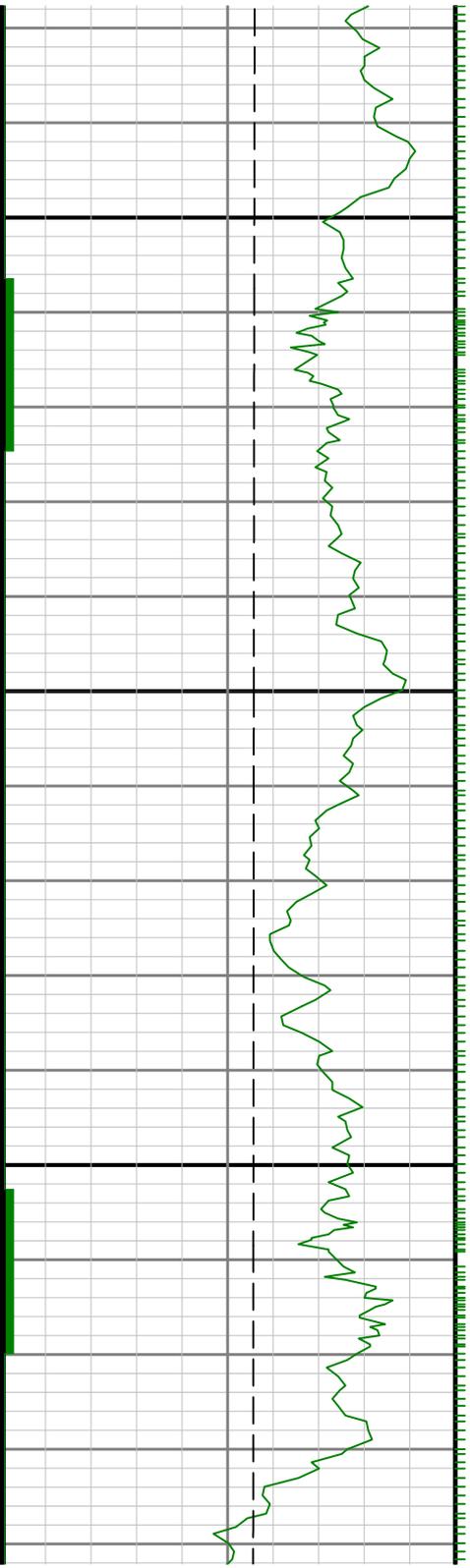






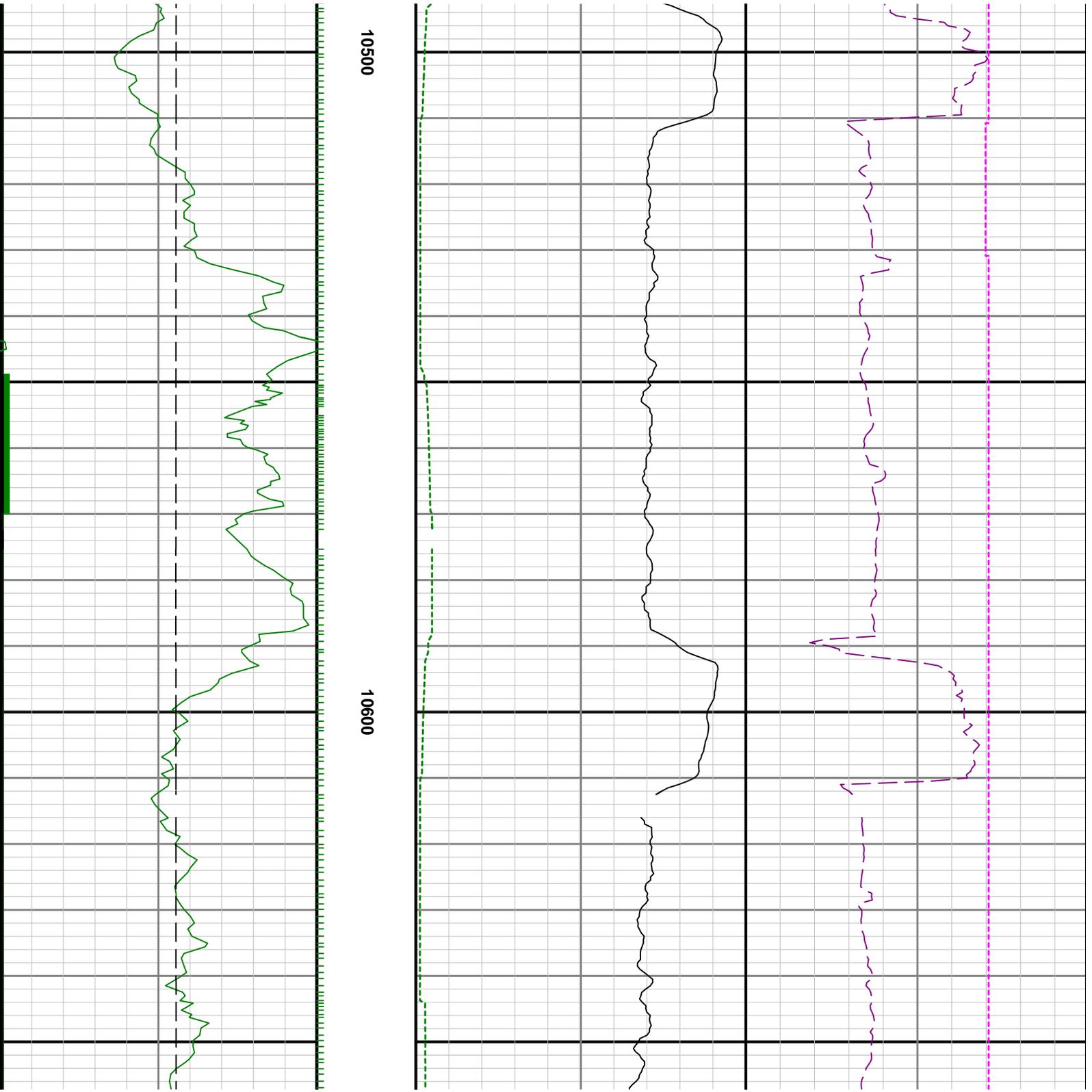
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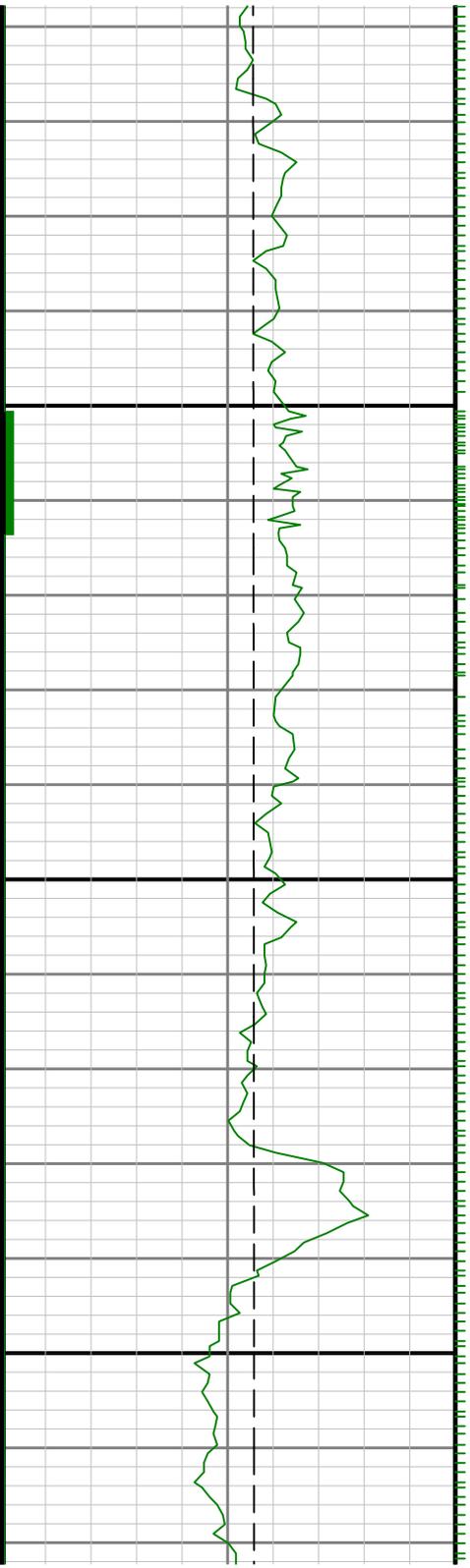
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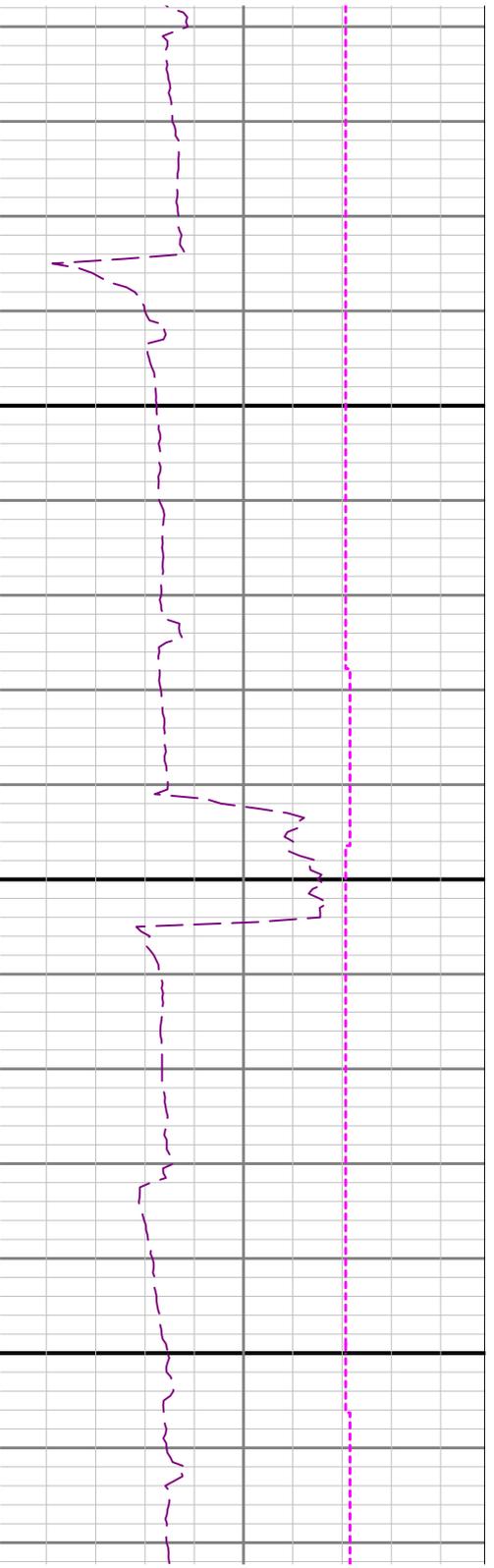
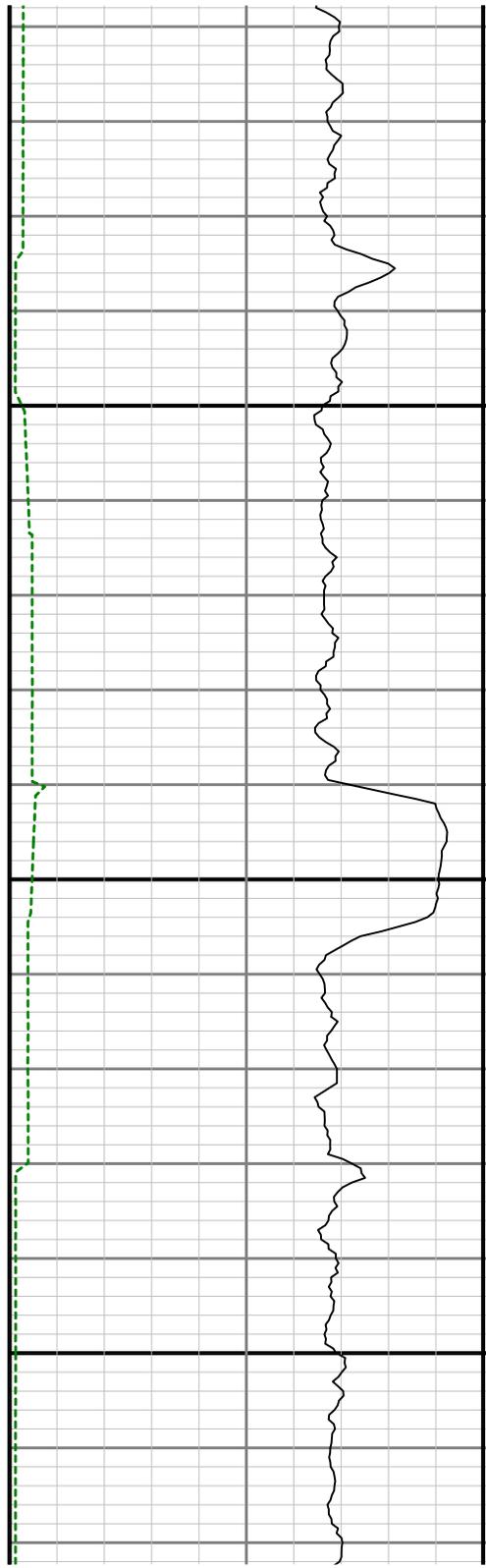


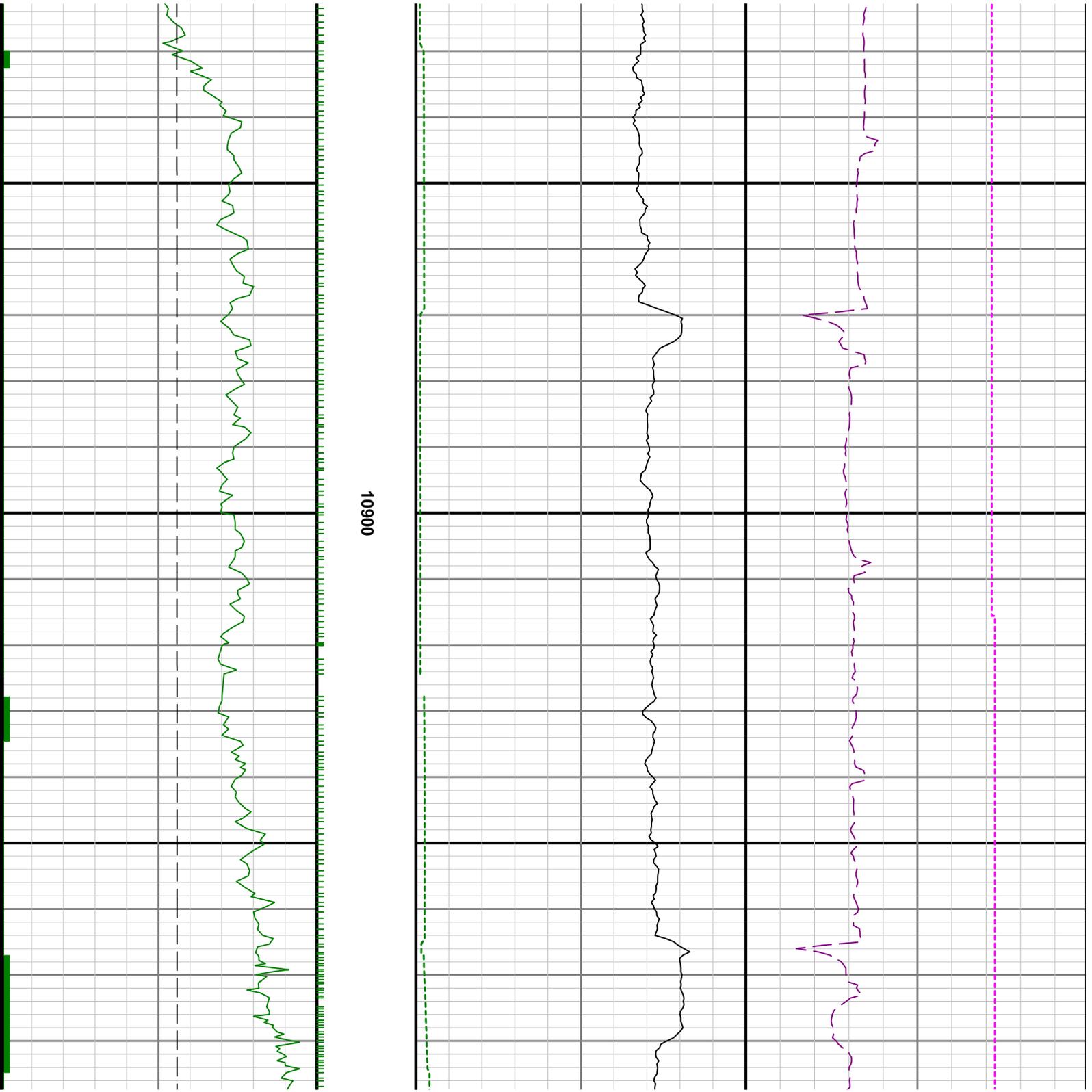


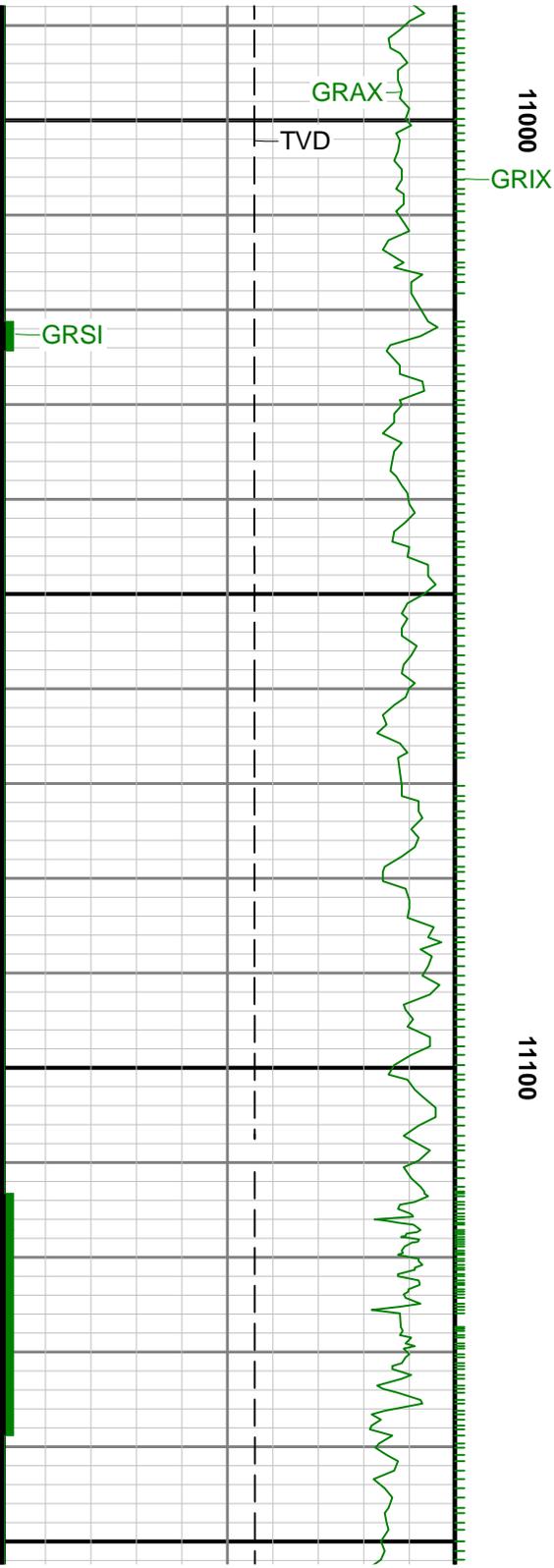


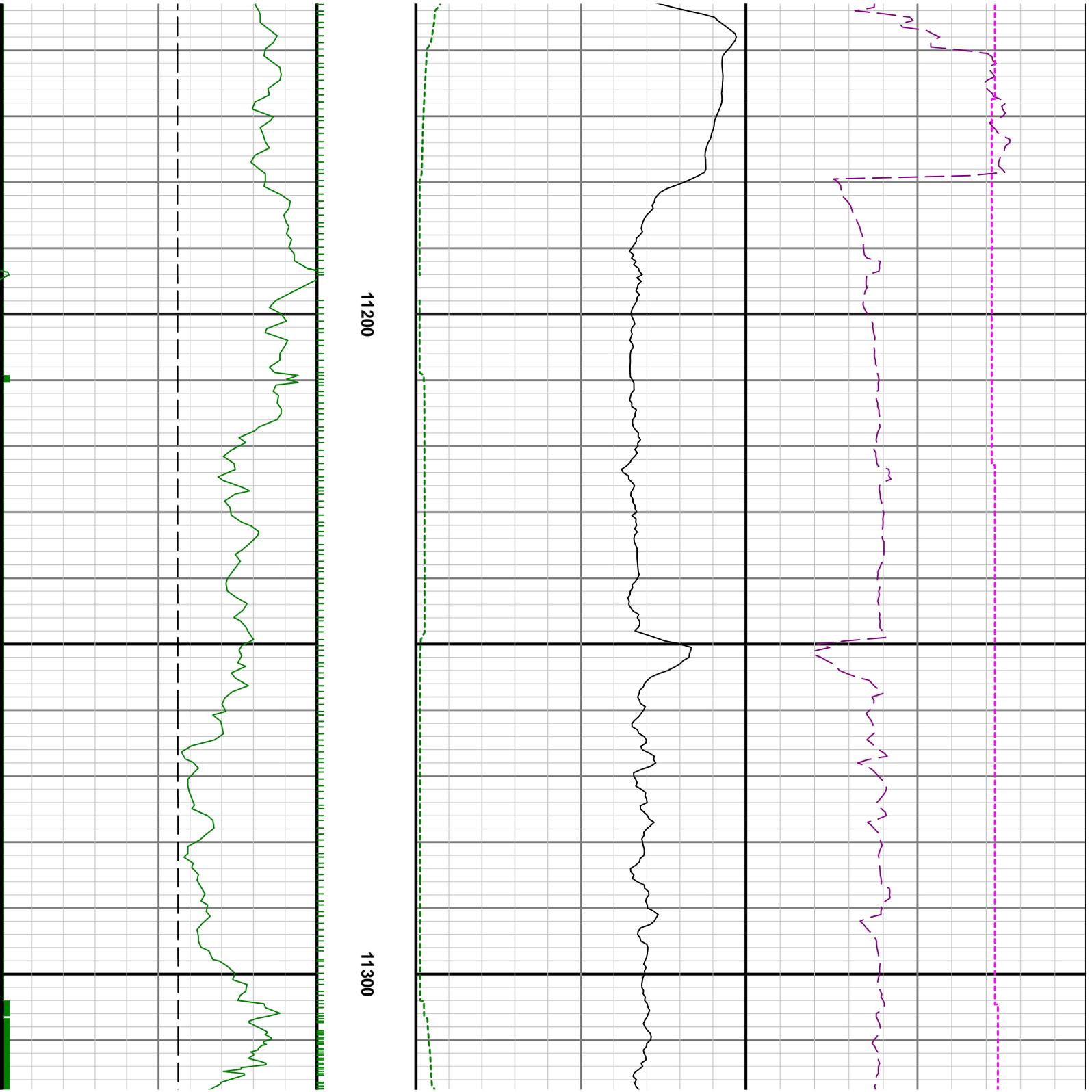
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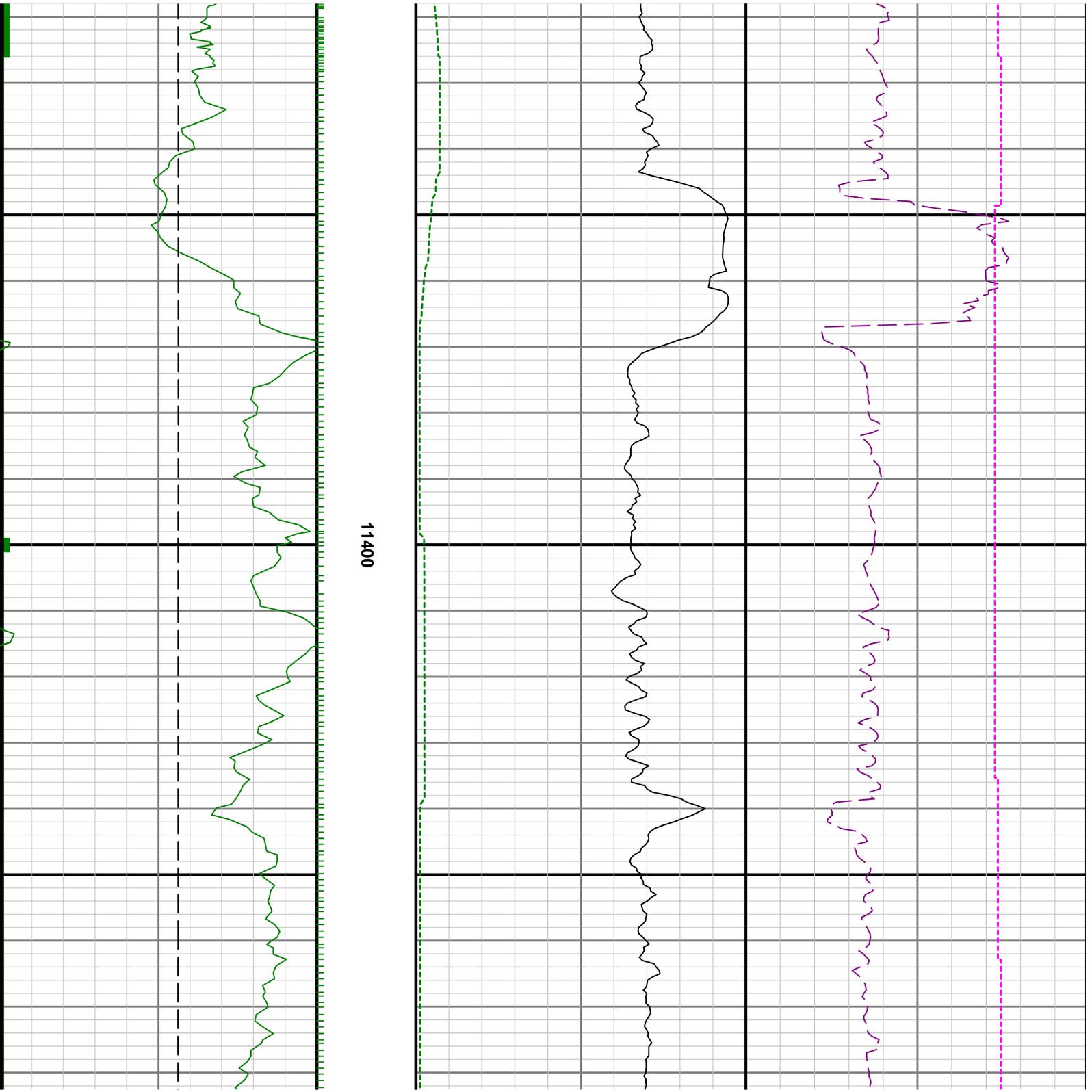
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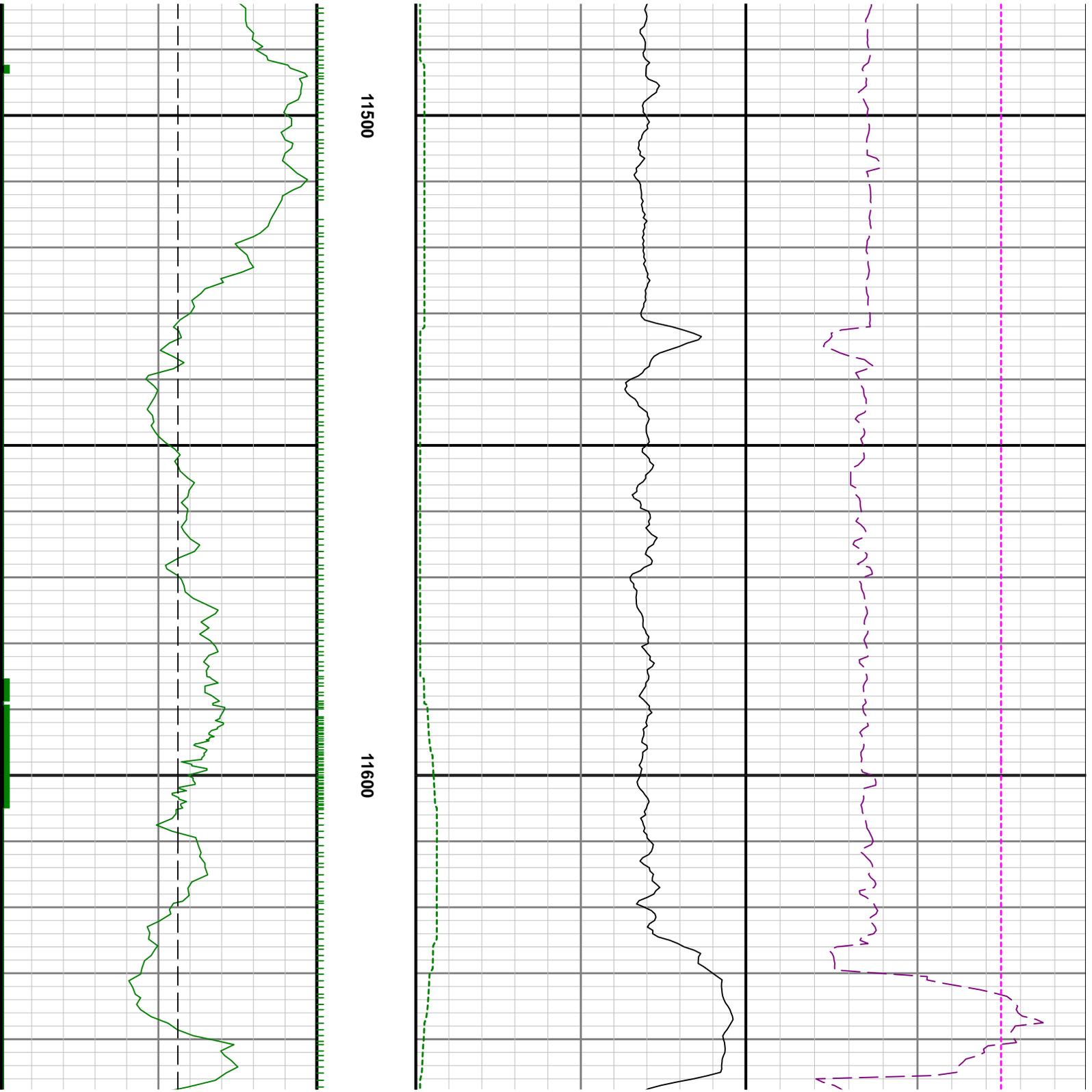


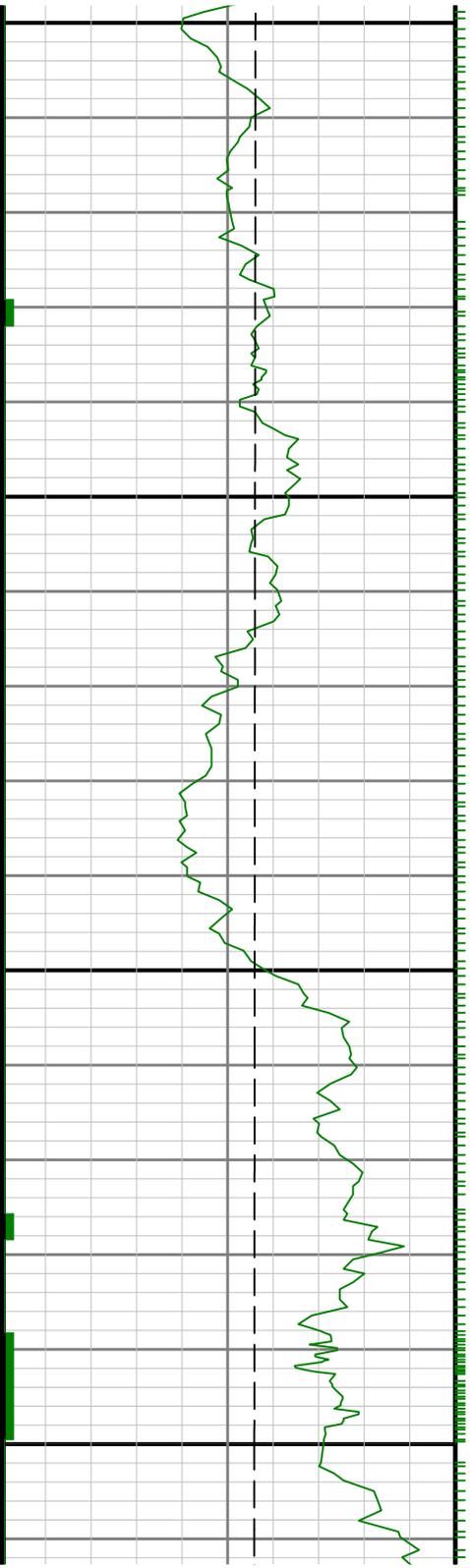






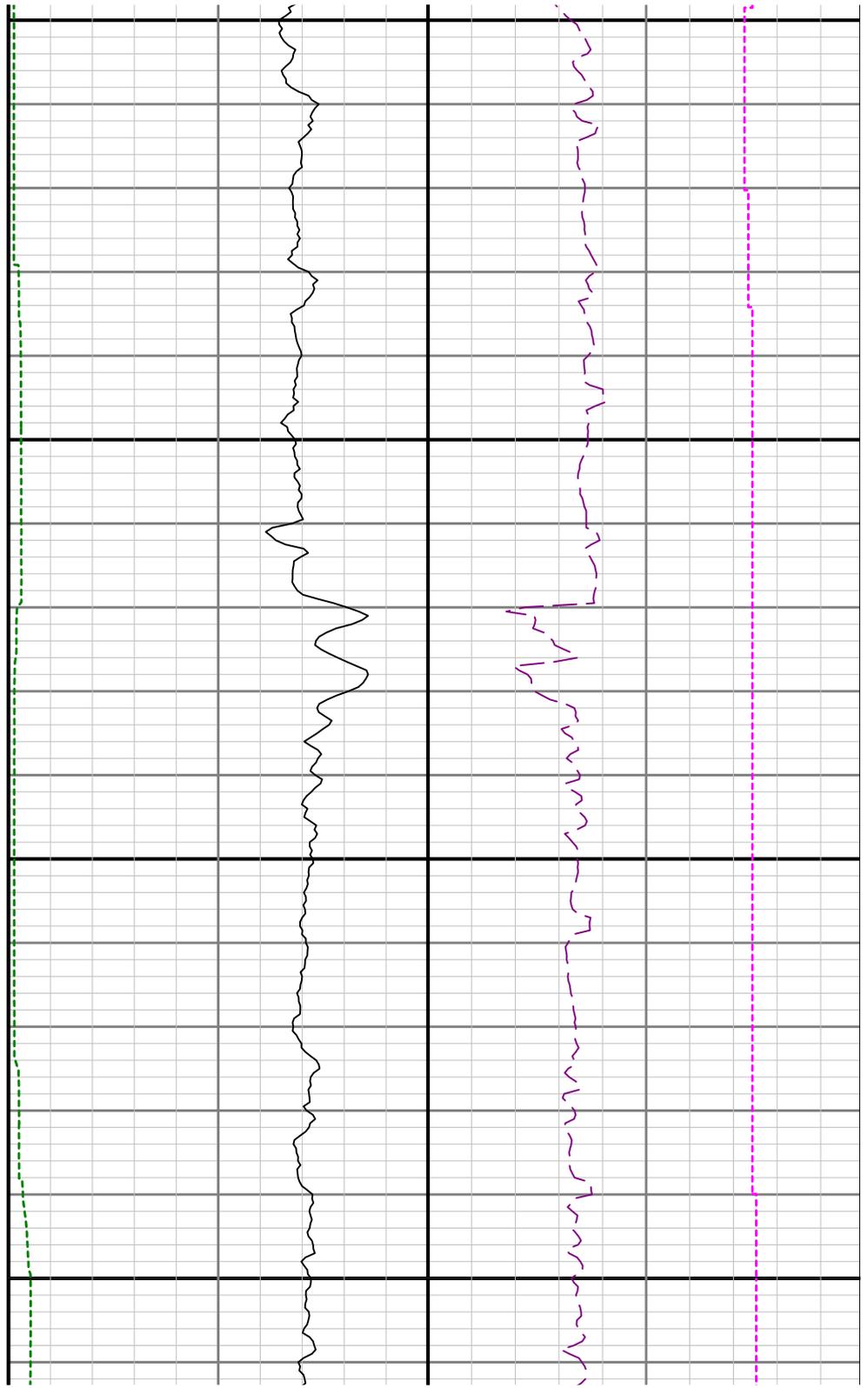


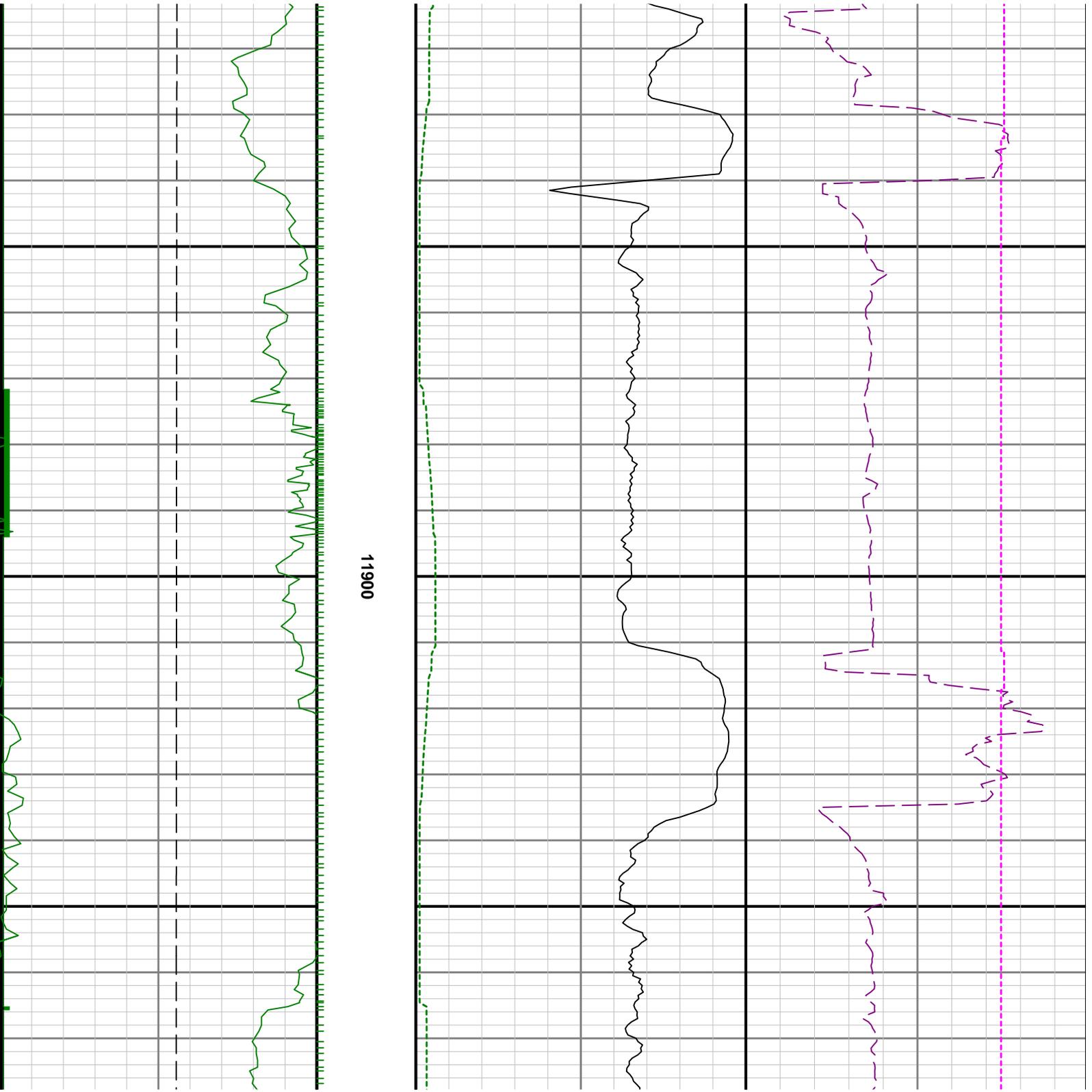


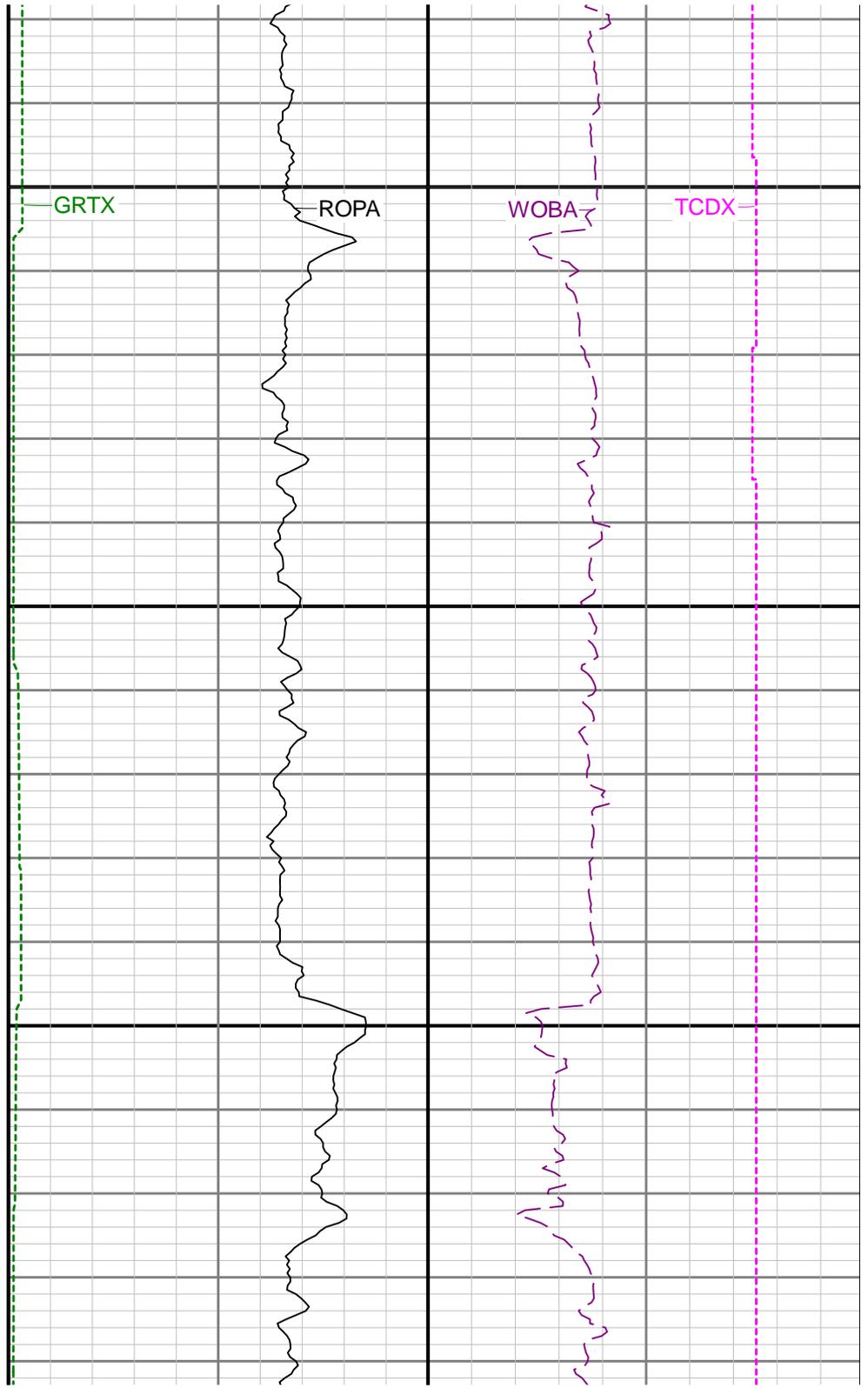
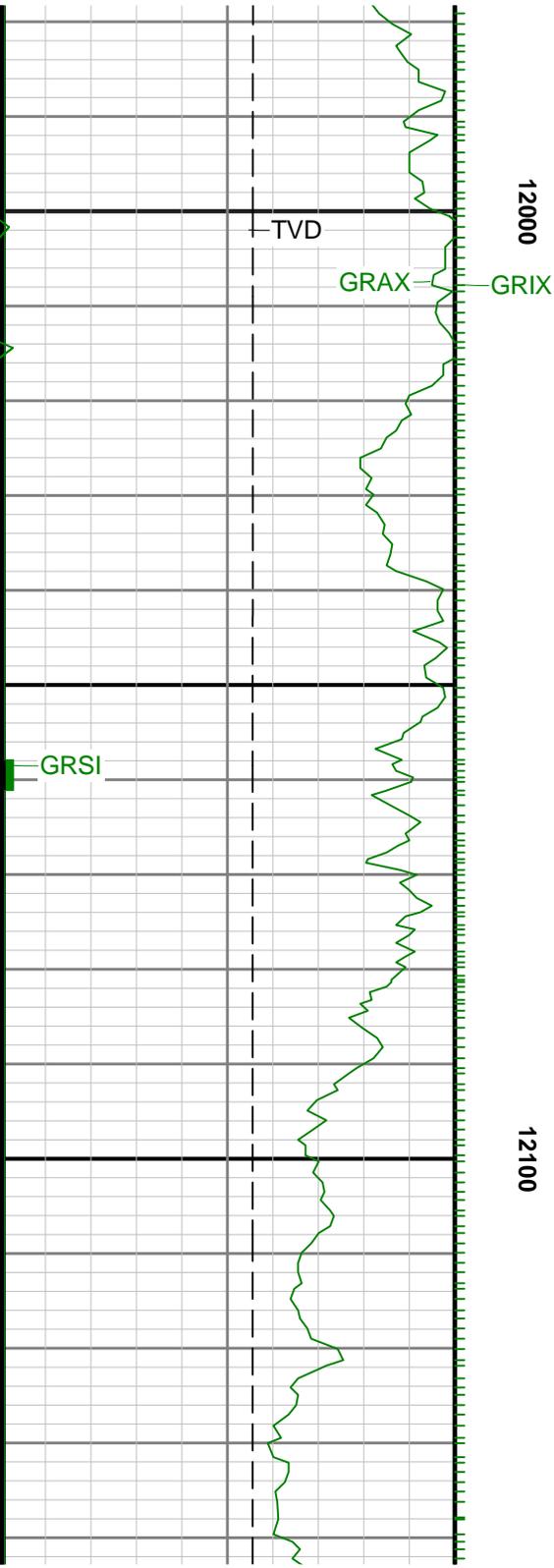


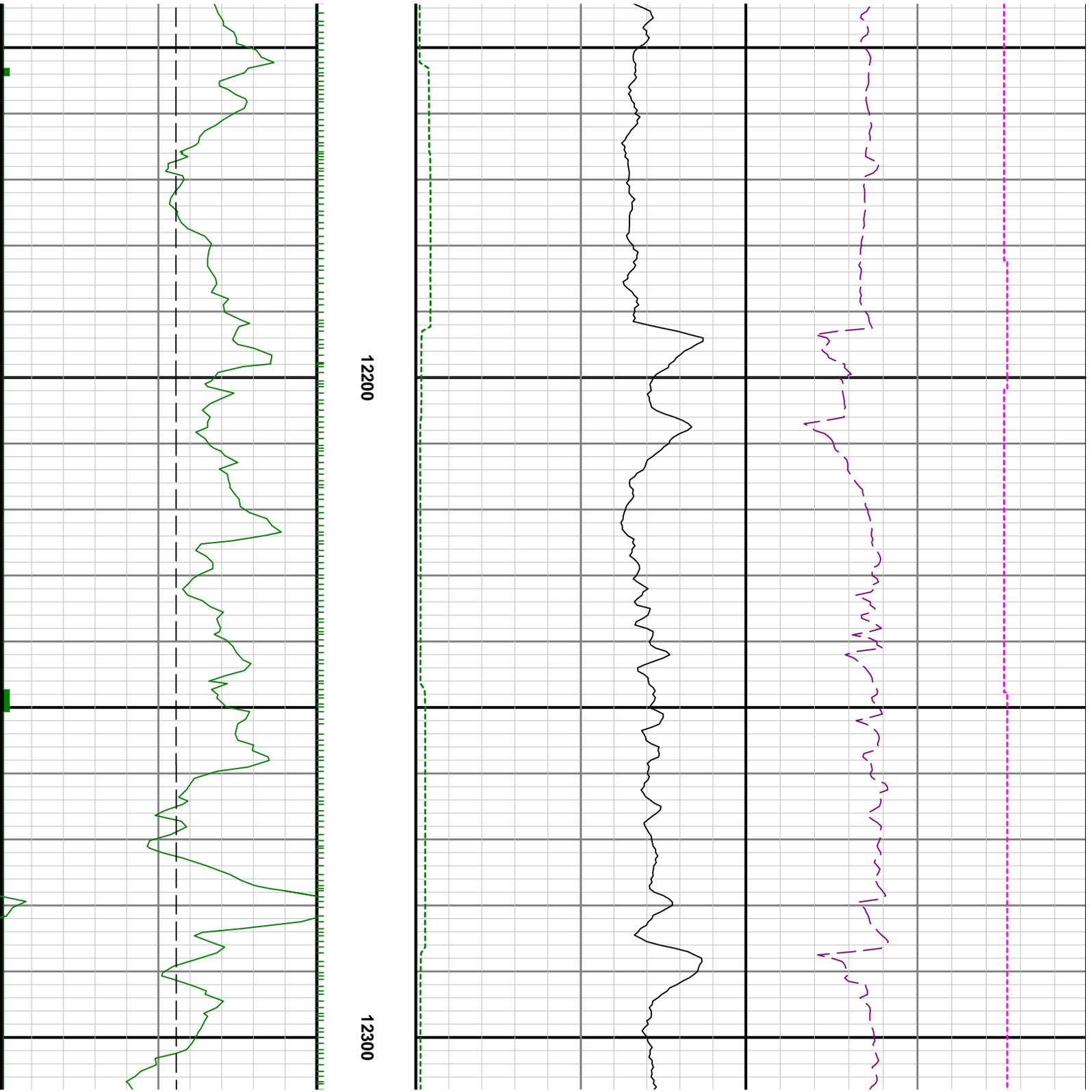
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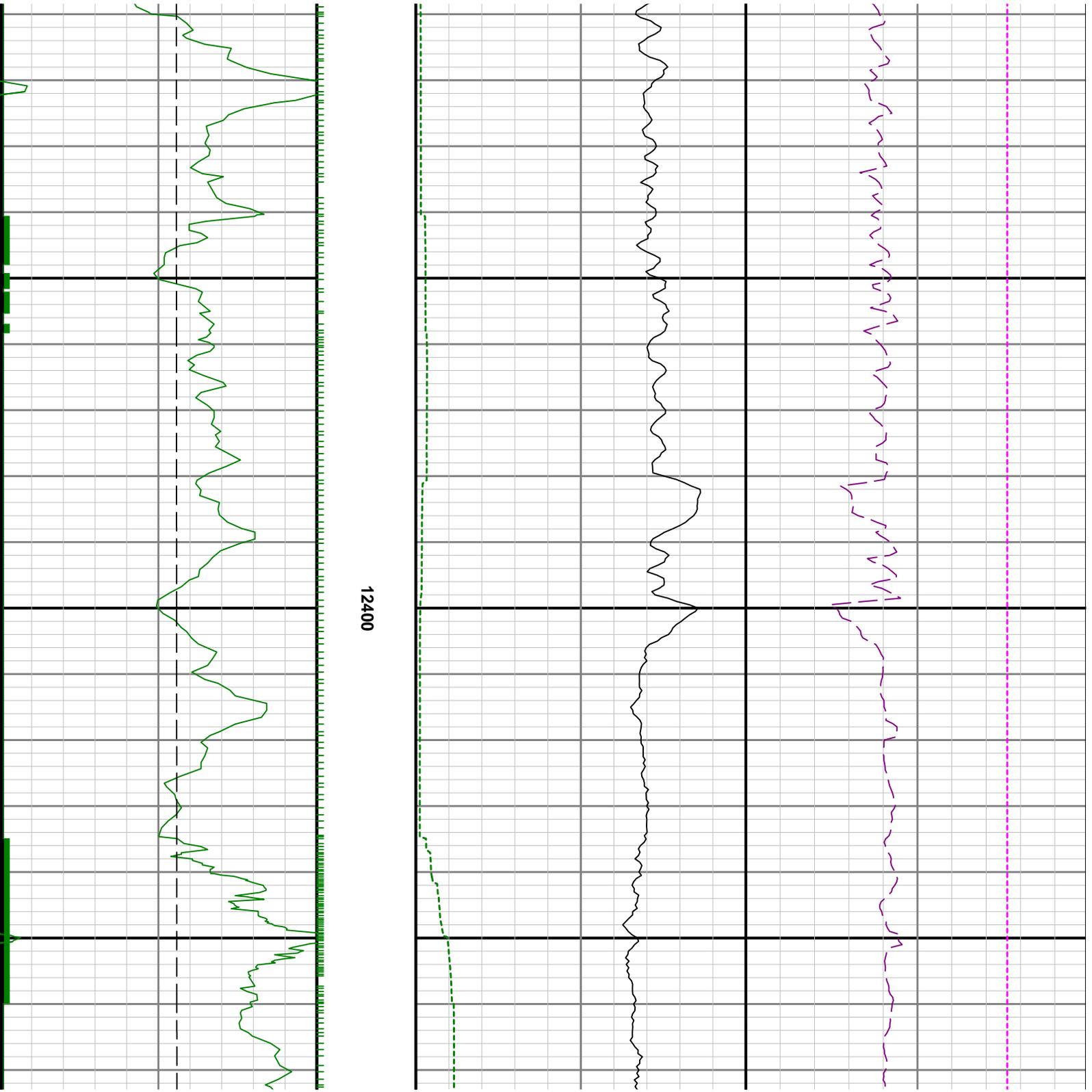
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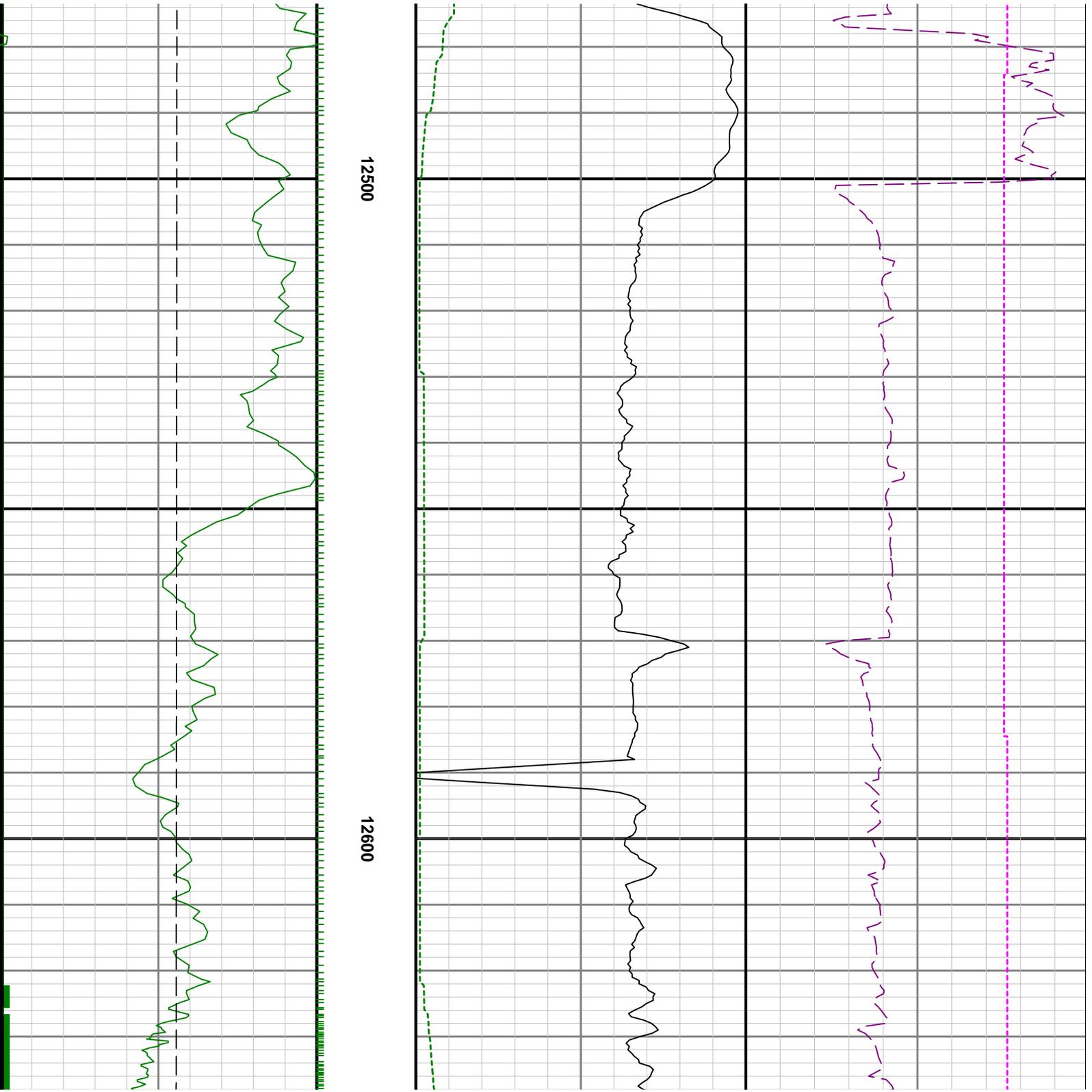


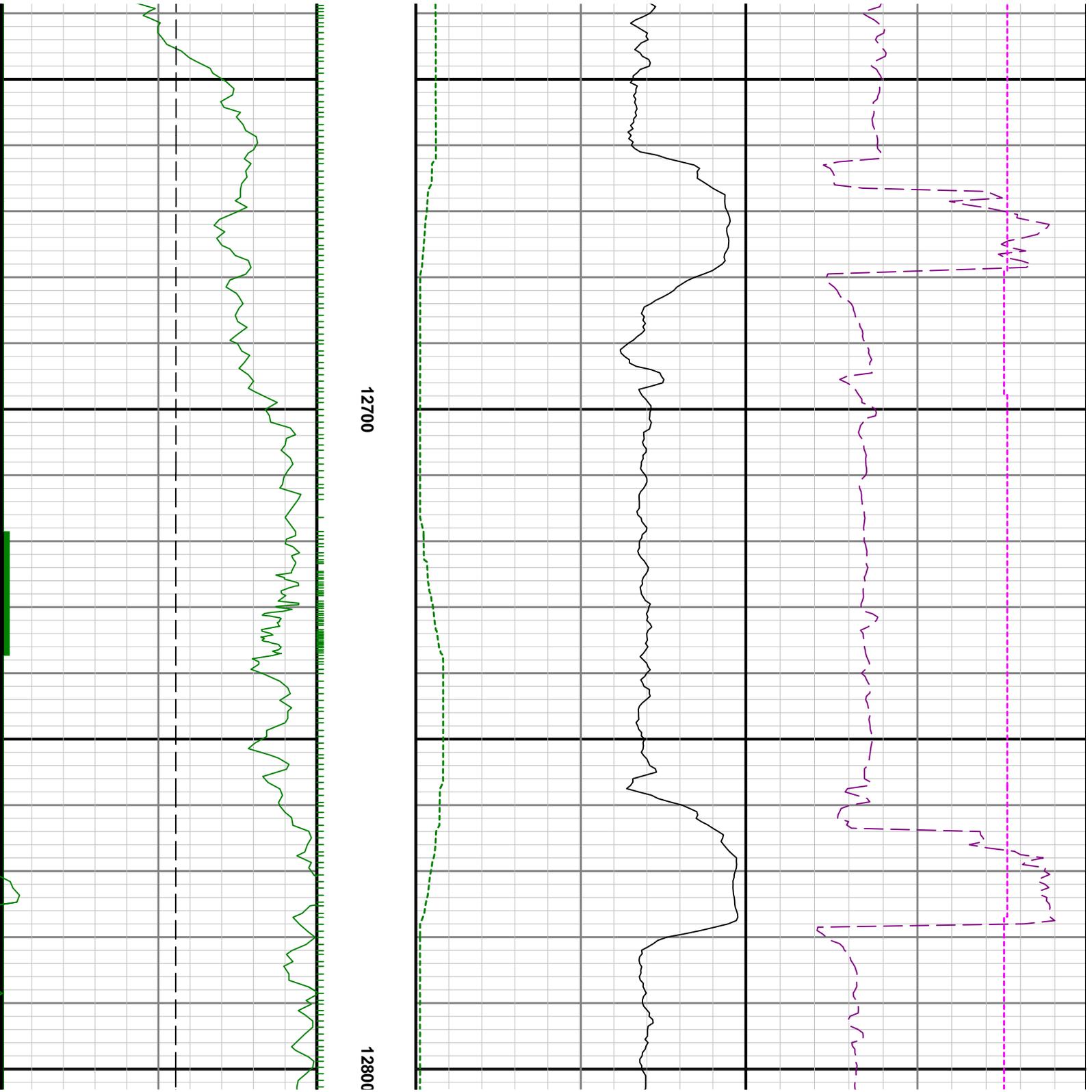




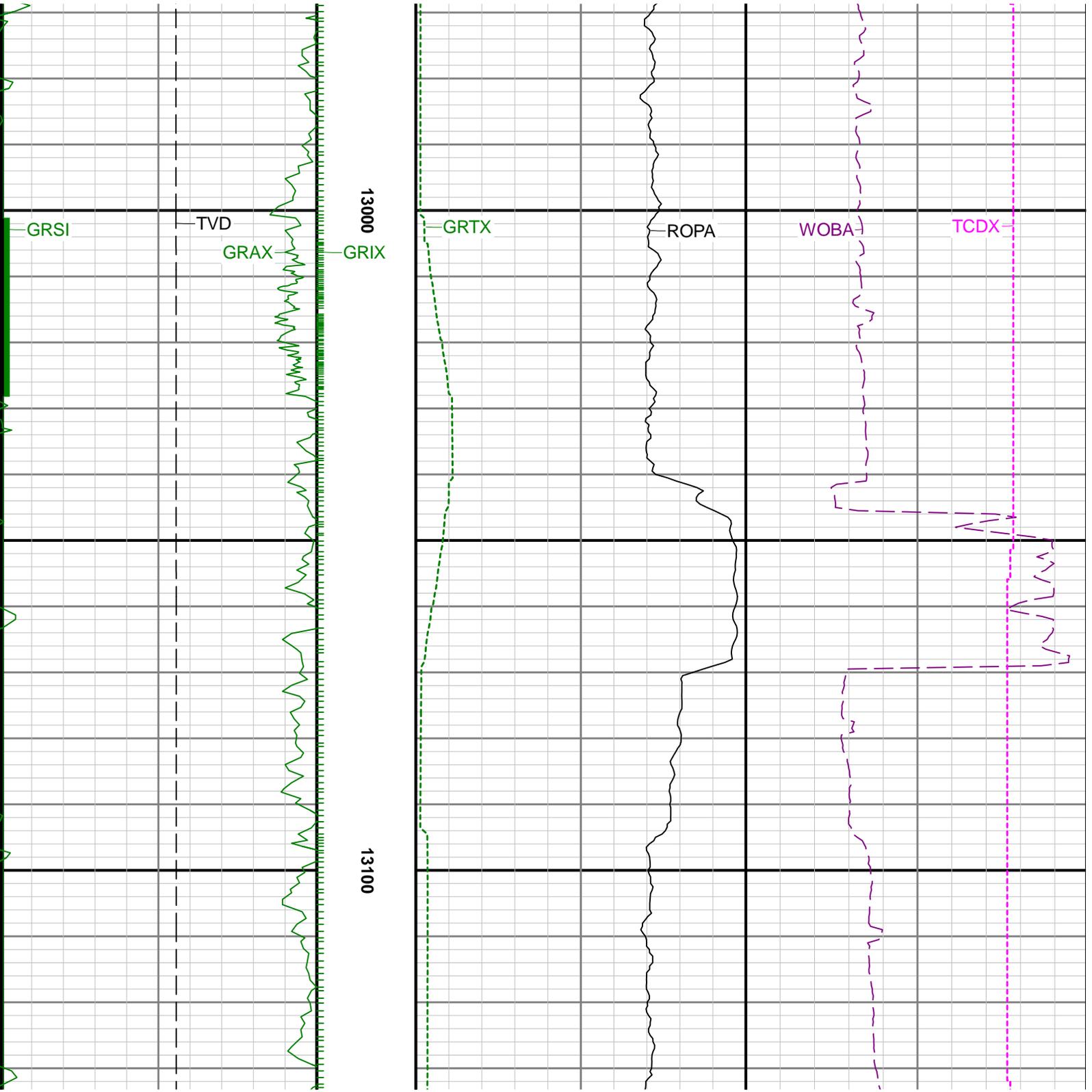


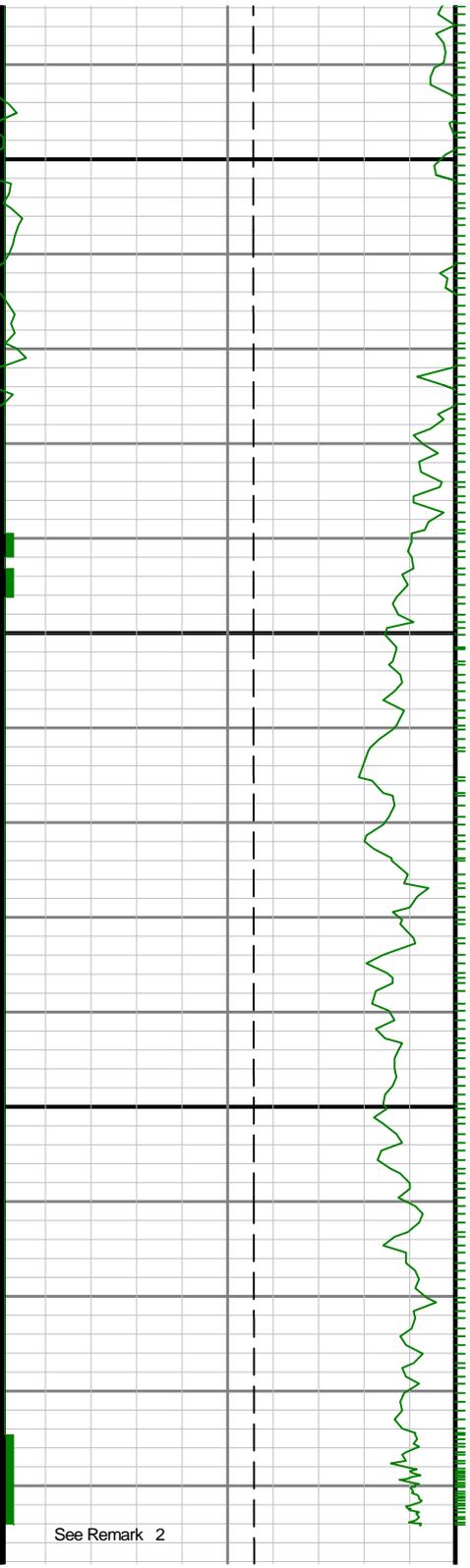






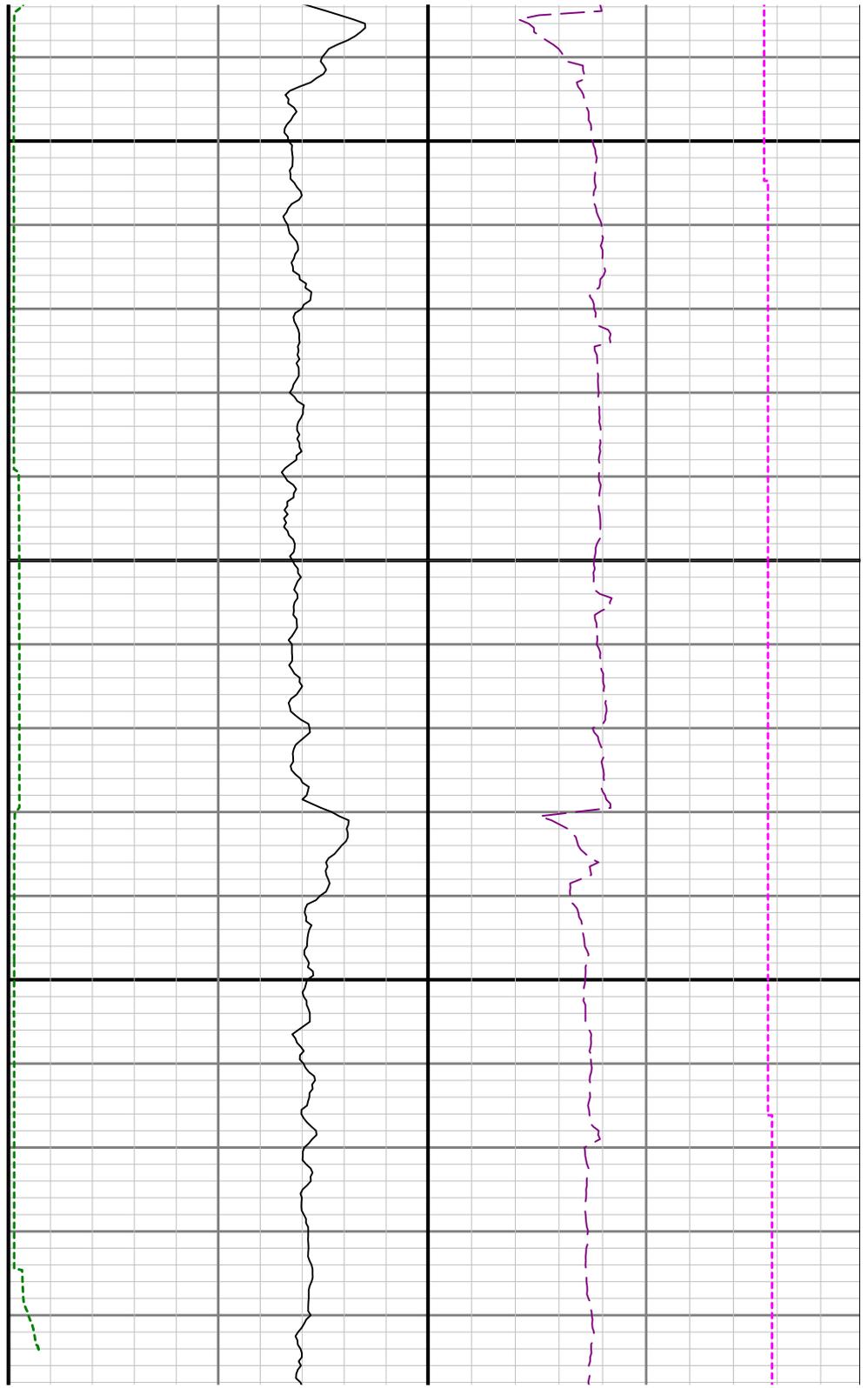




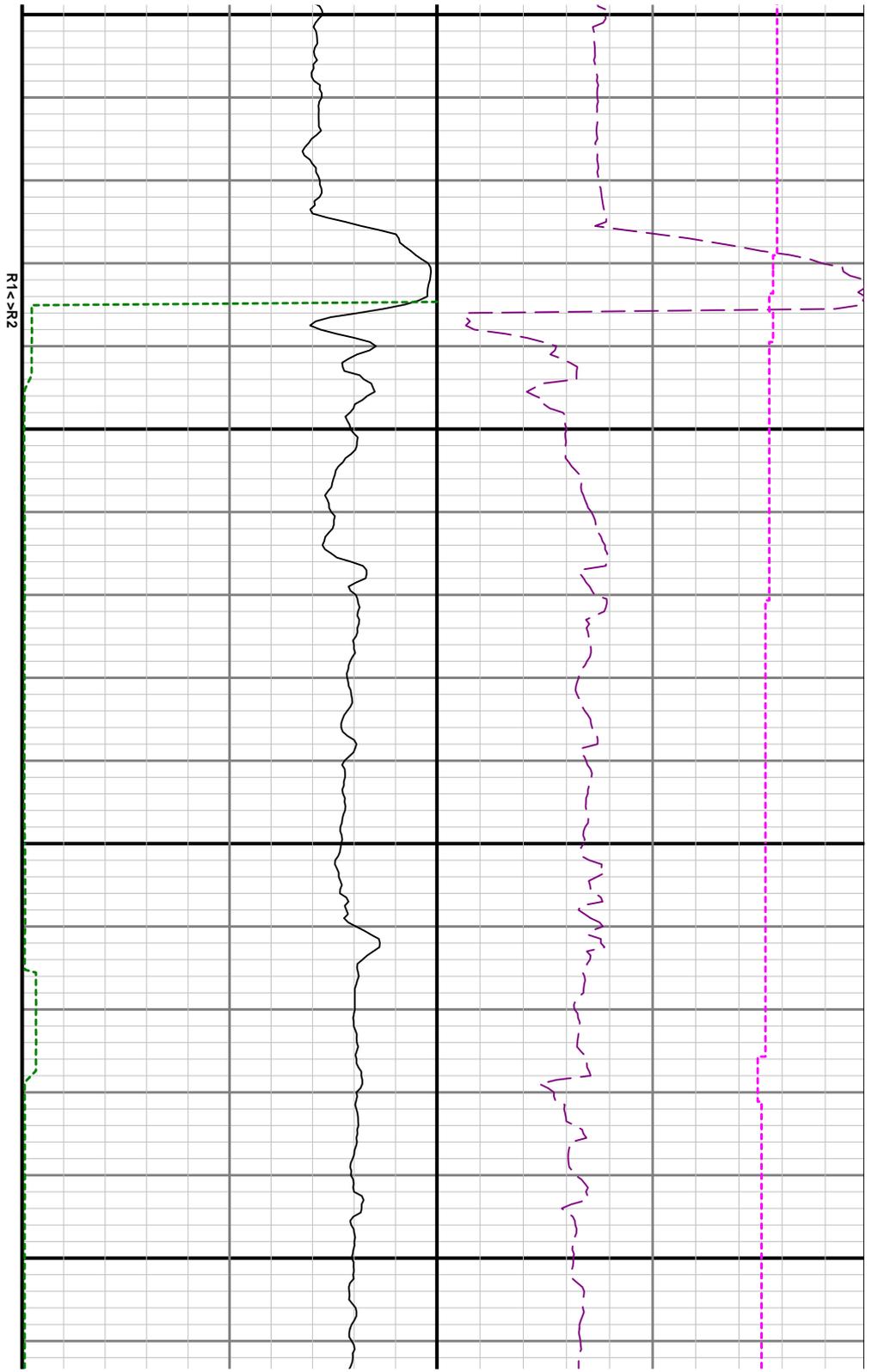


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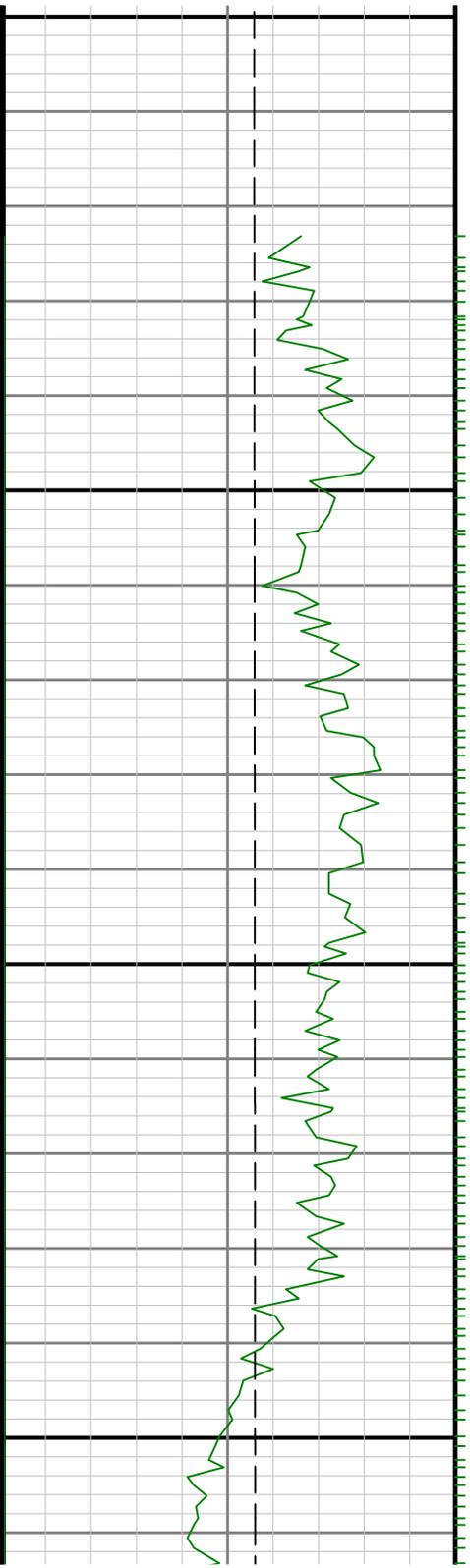


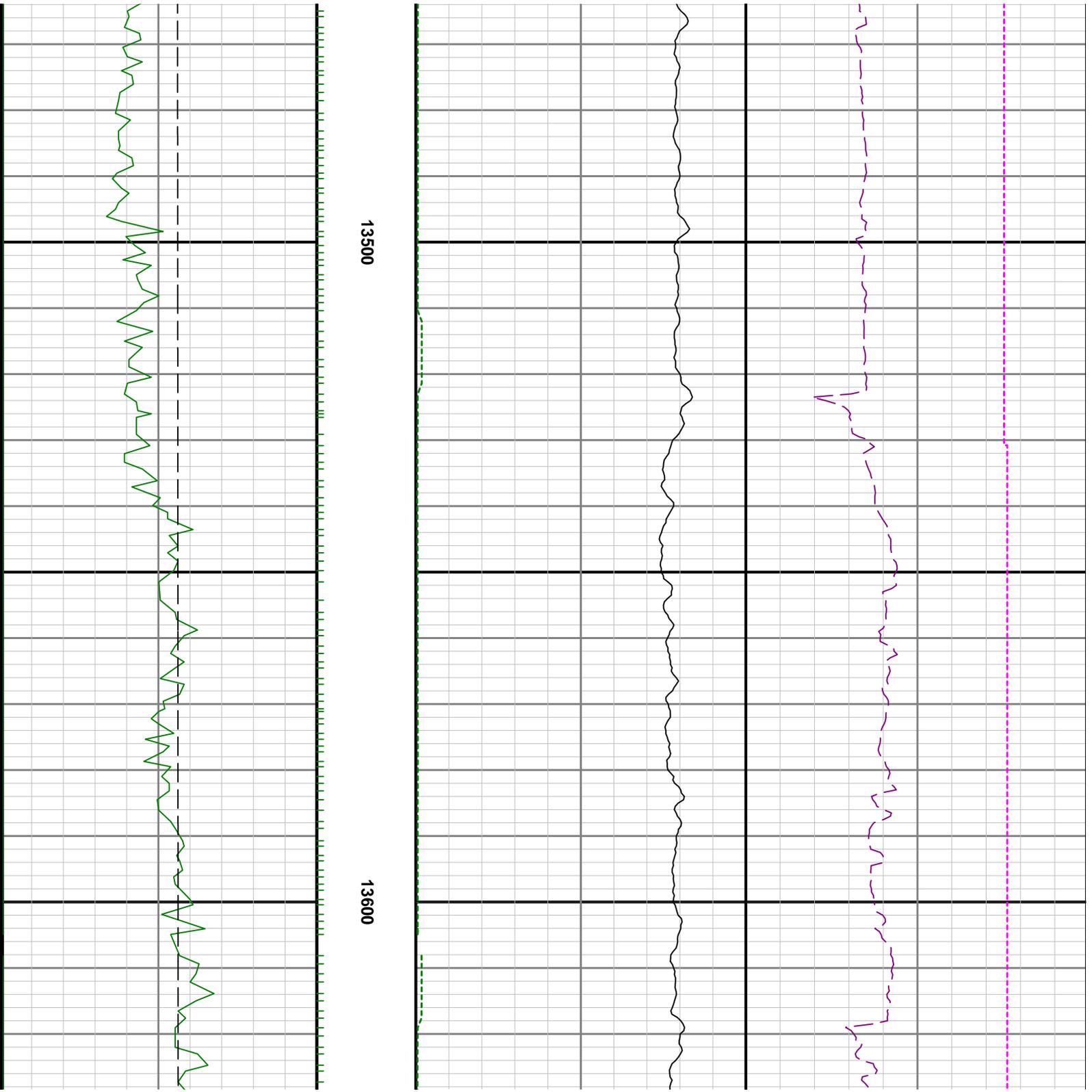
See Remark 2



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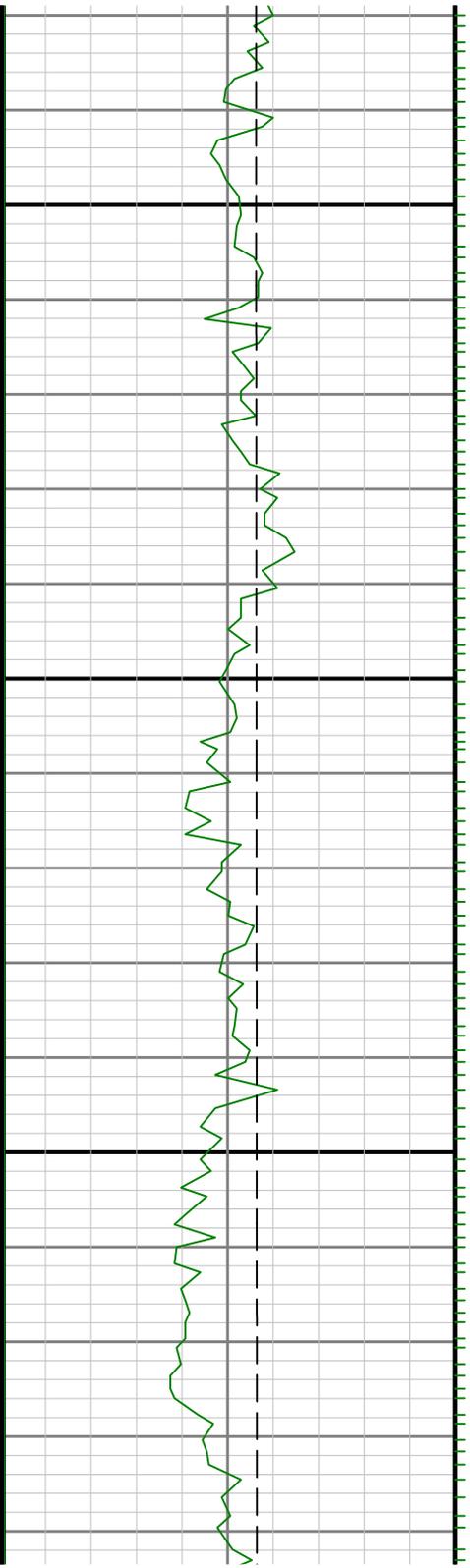
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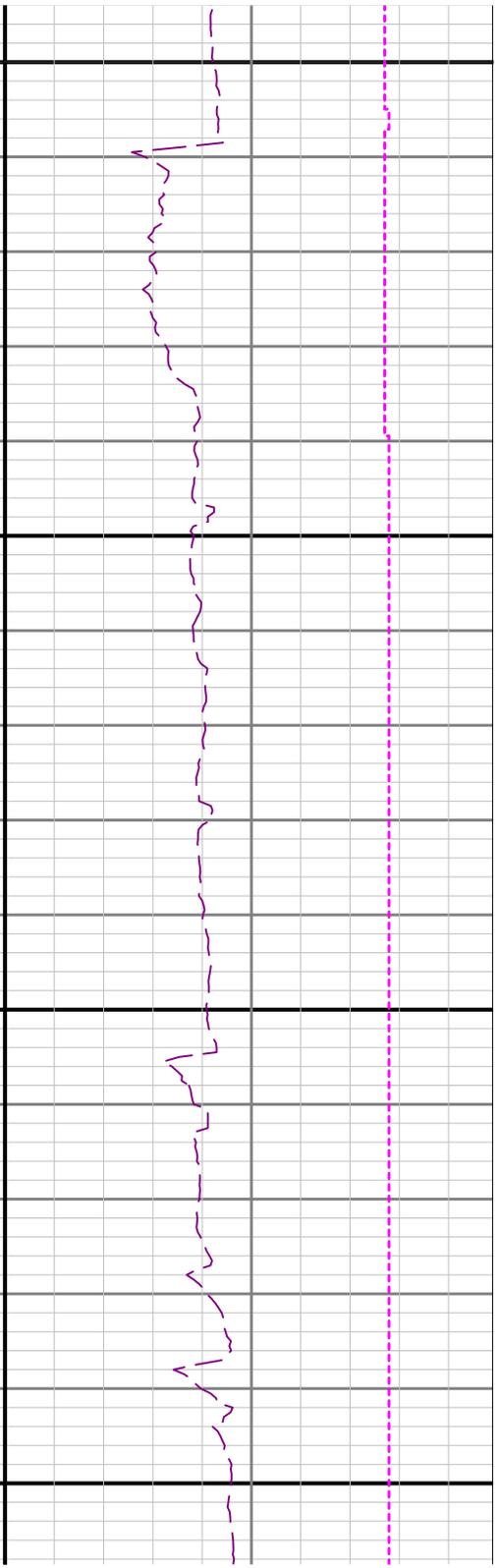


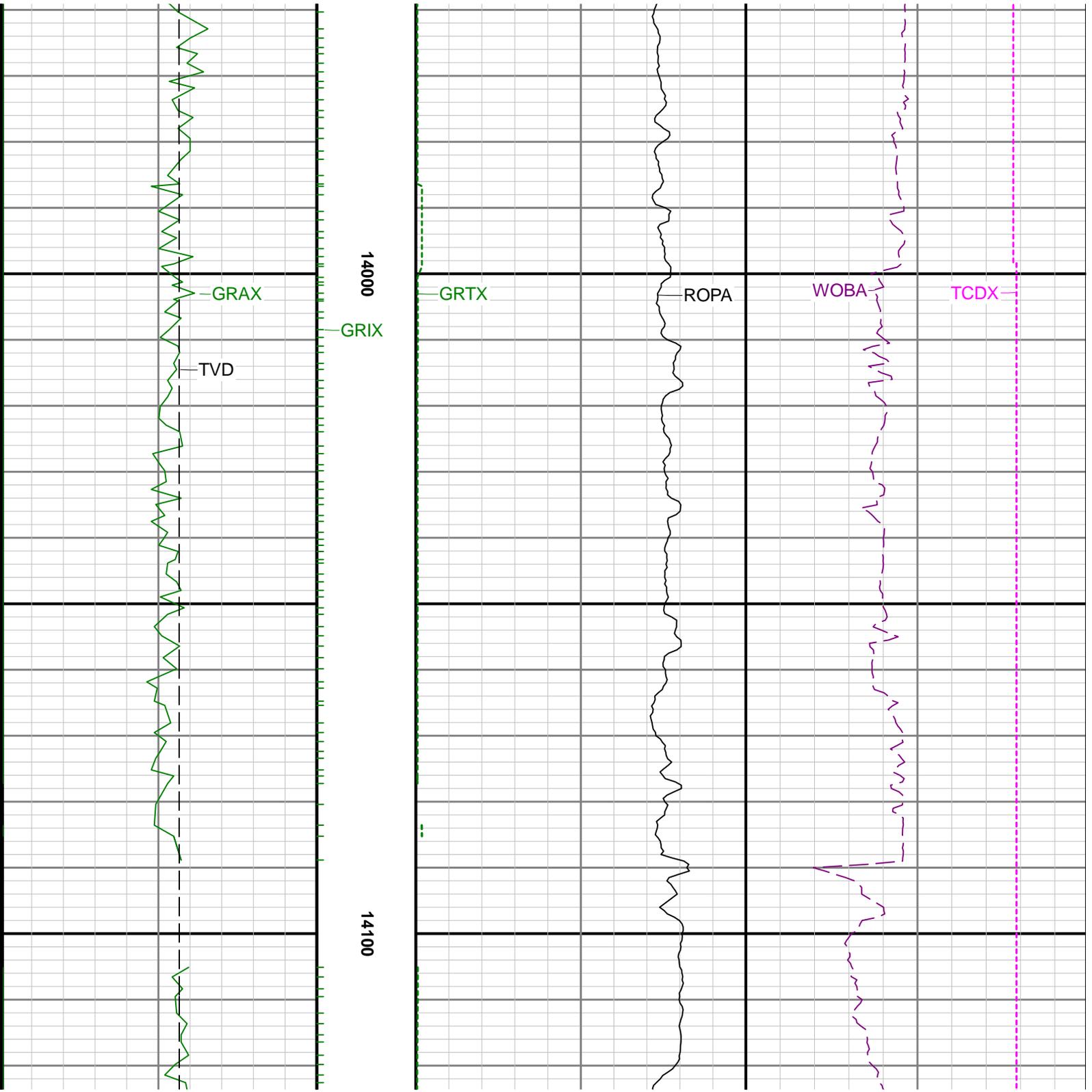
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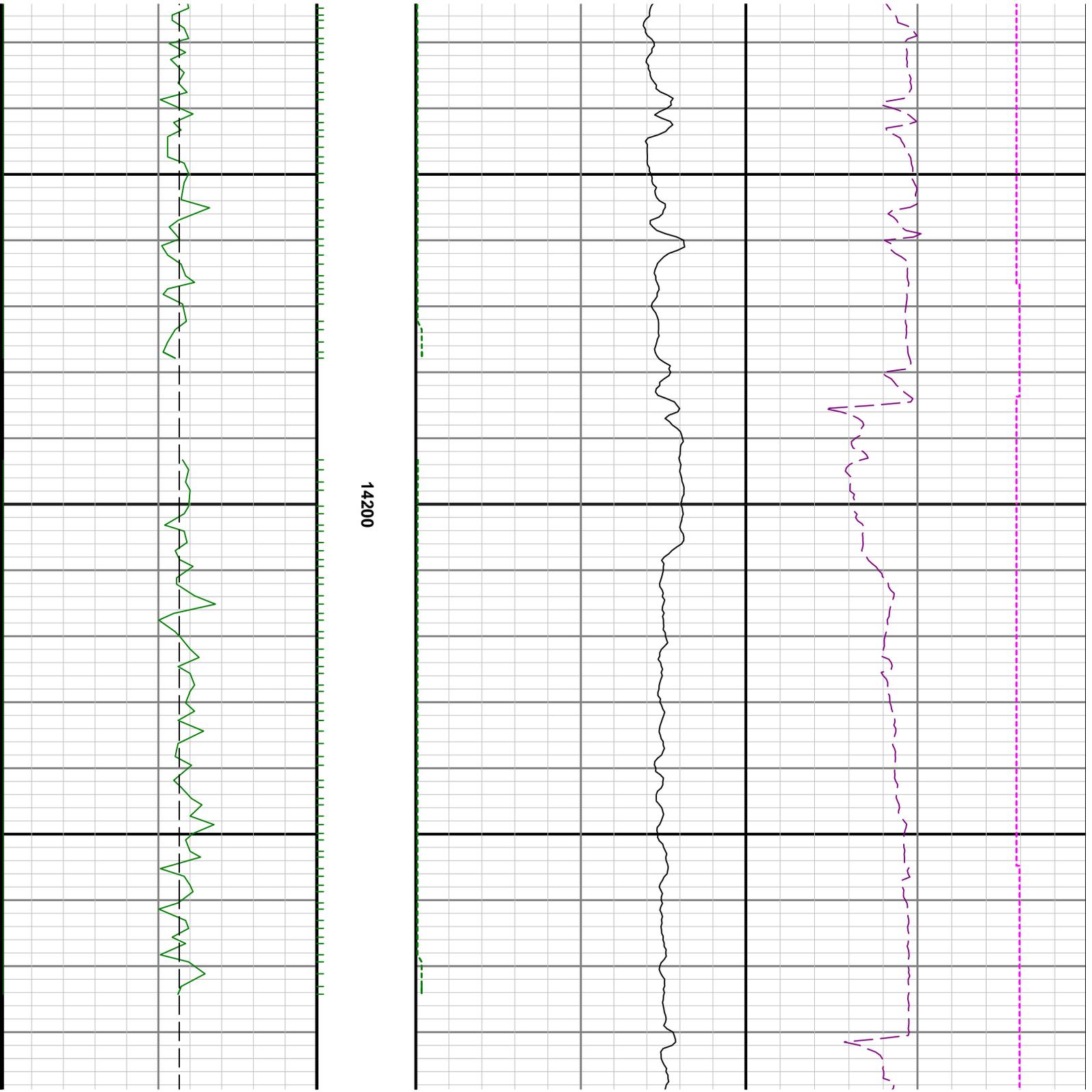


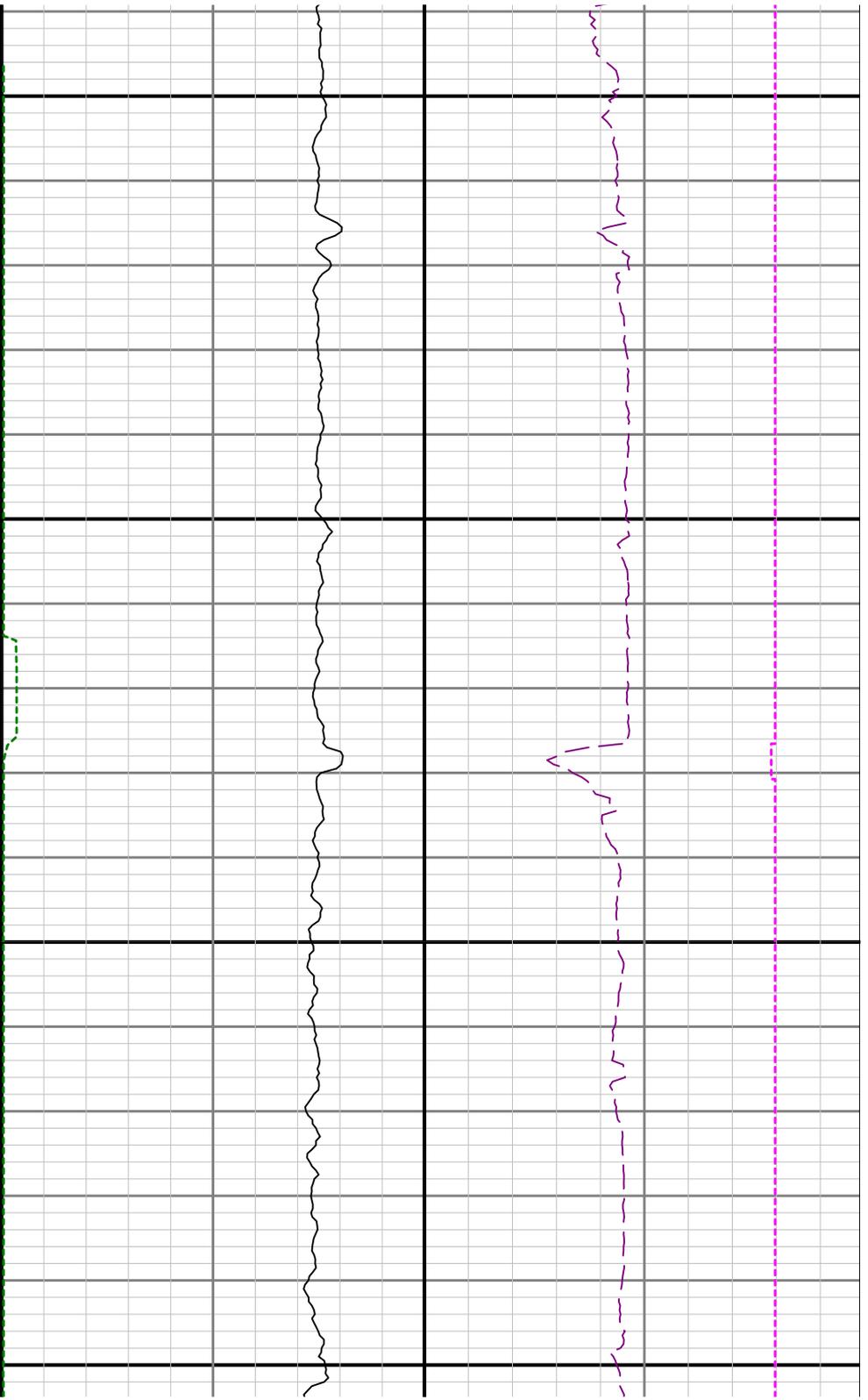
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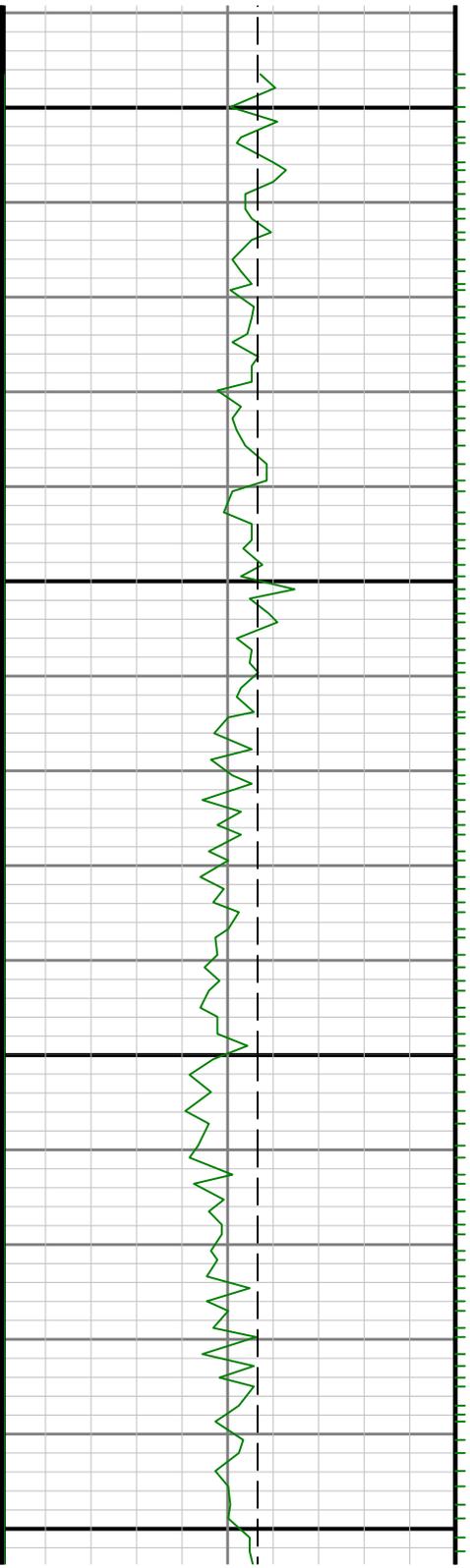


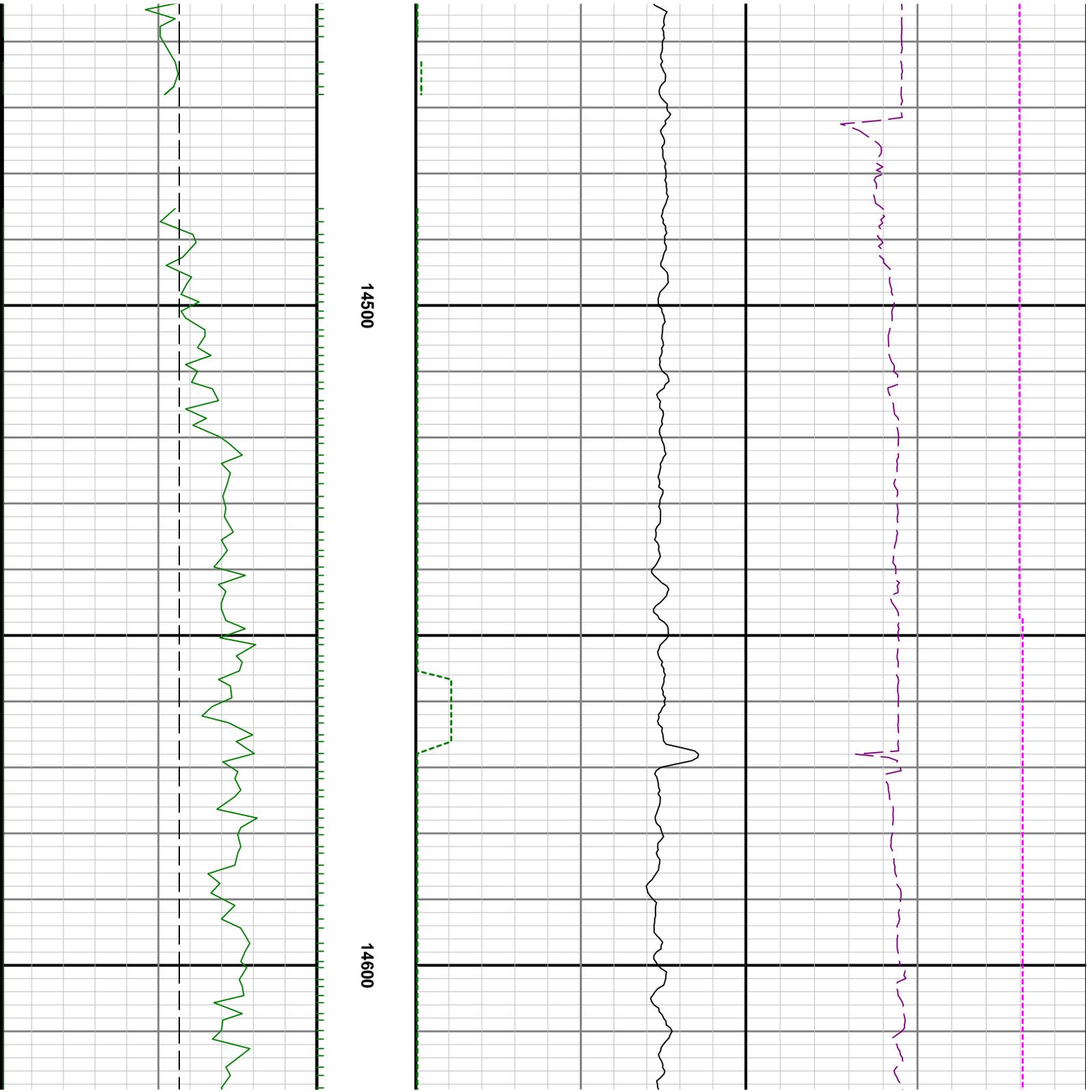


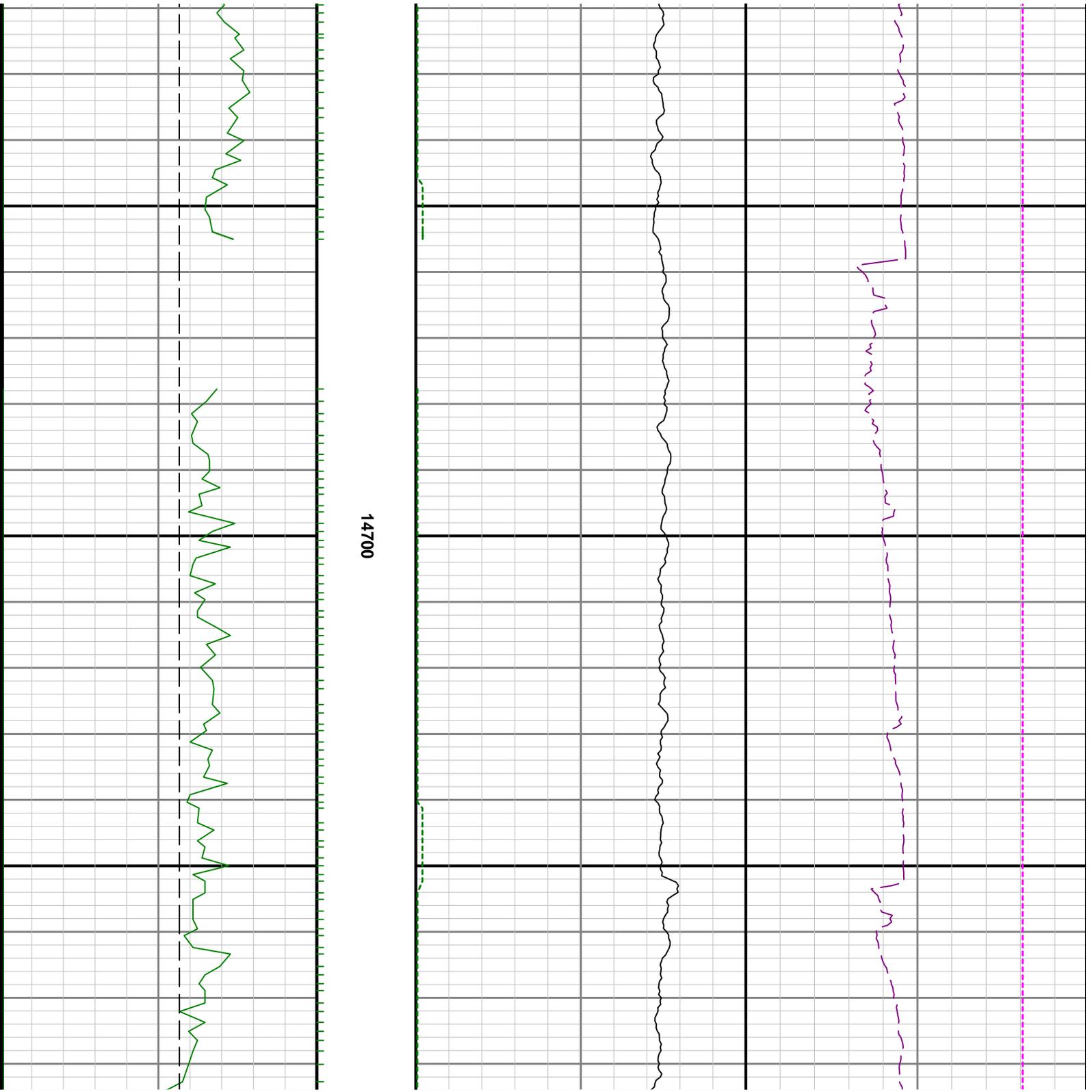


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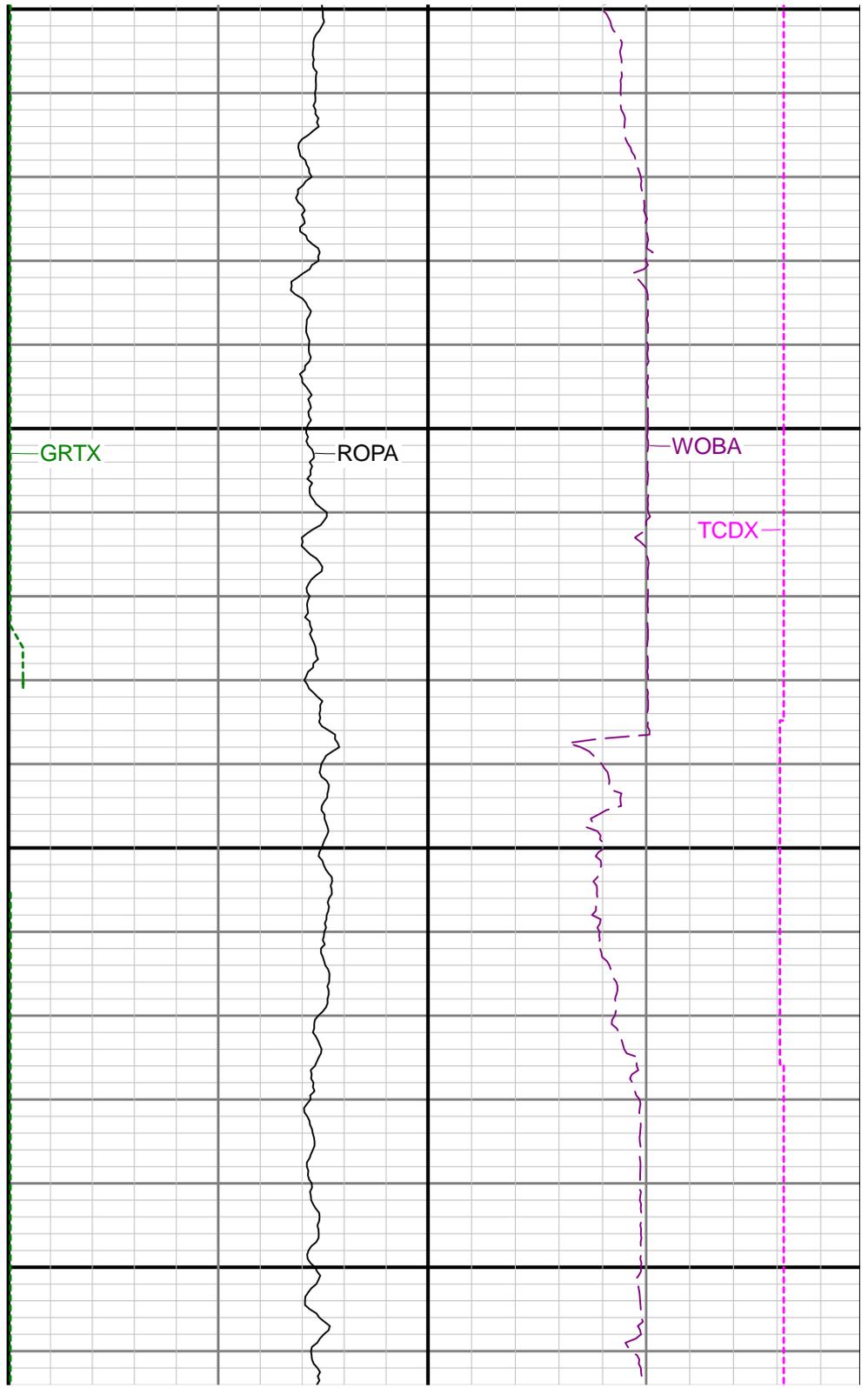
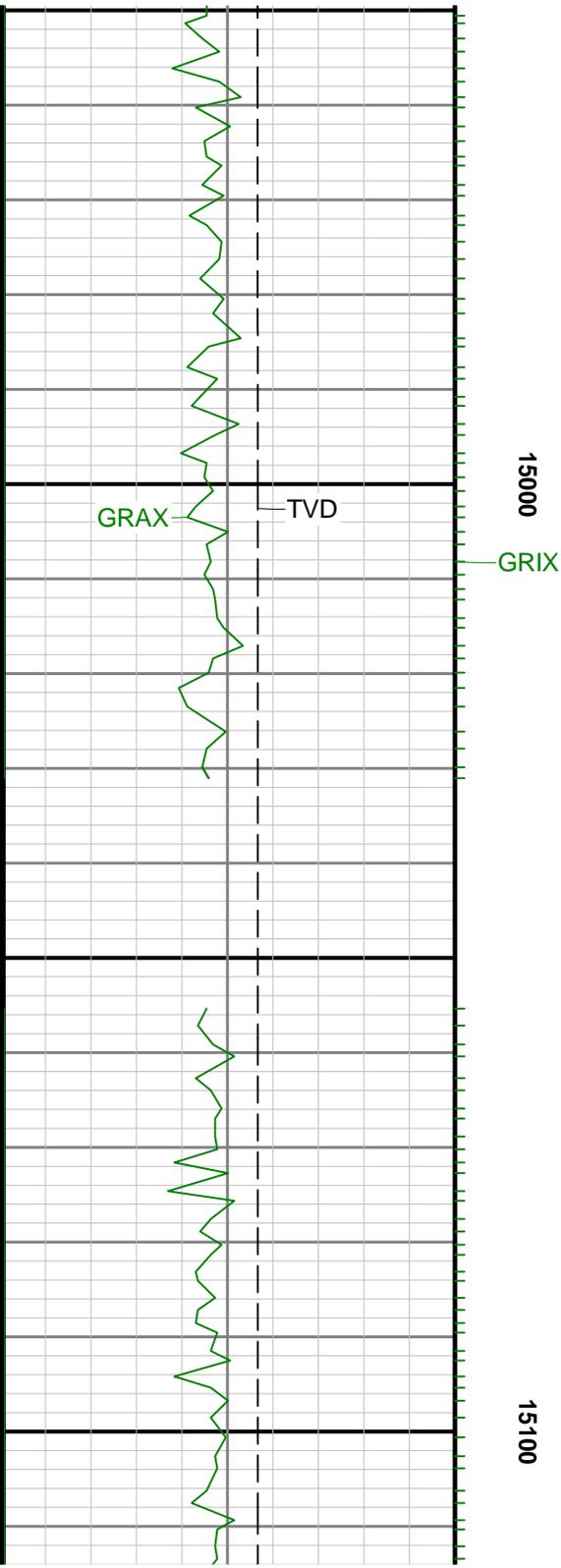


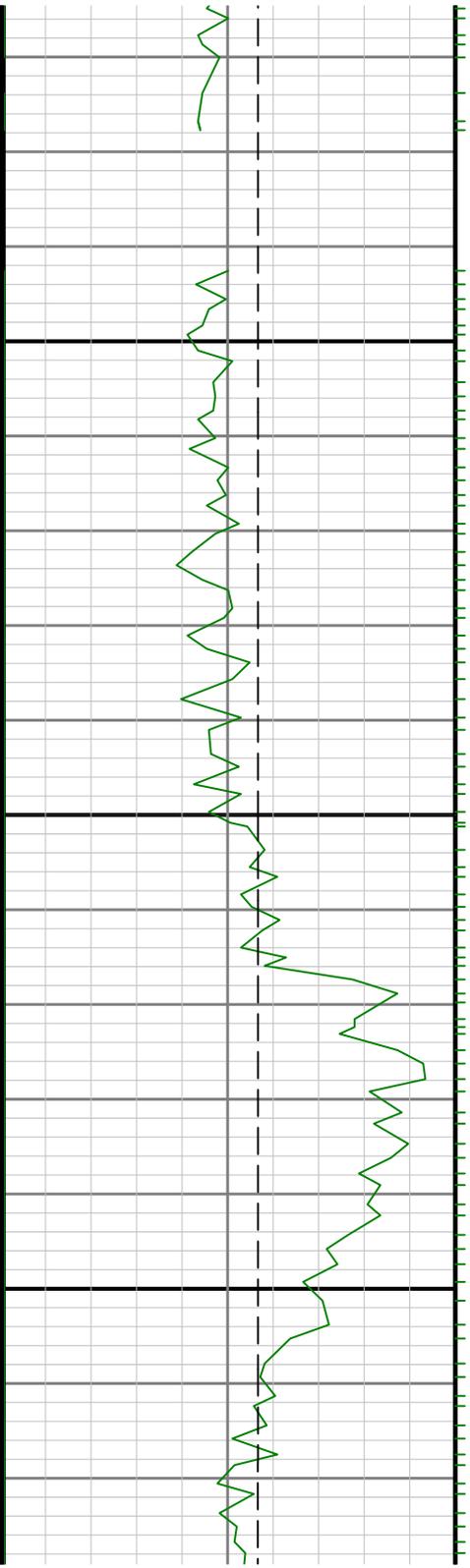




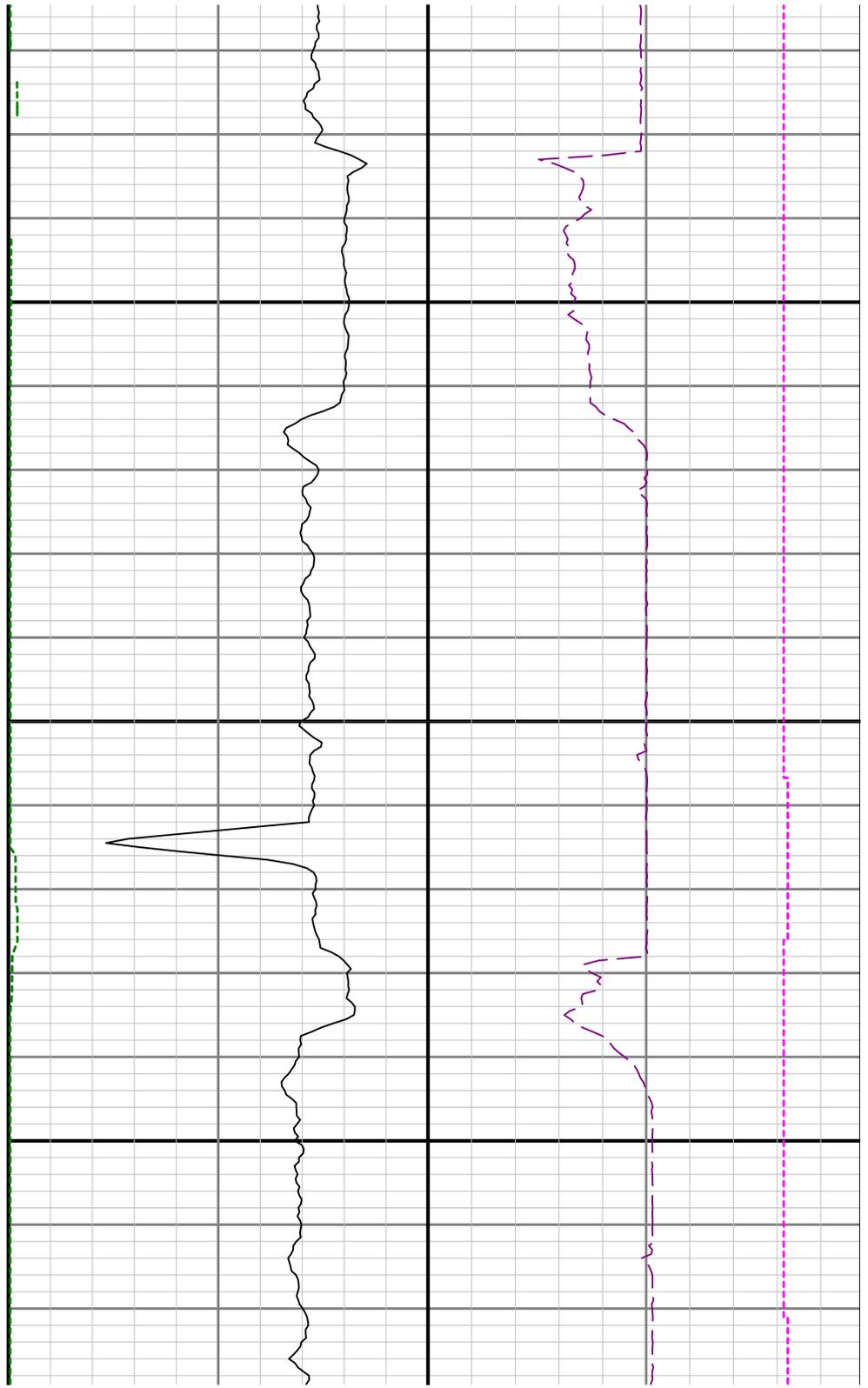
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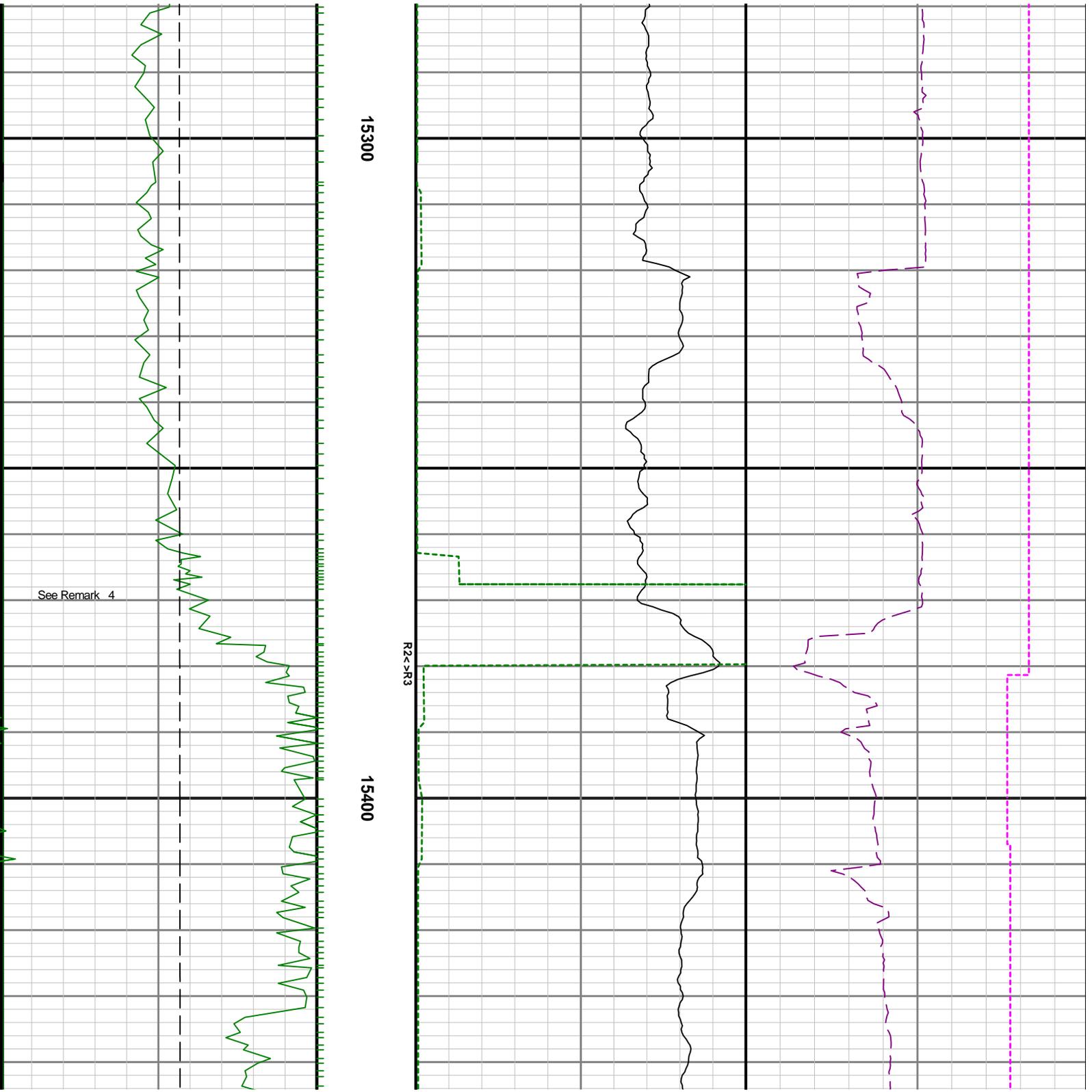


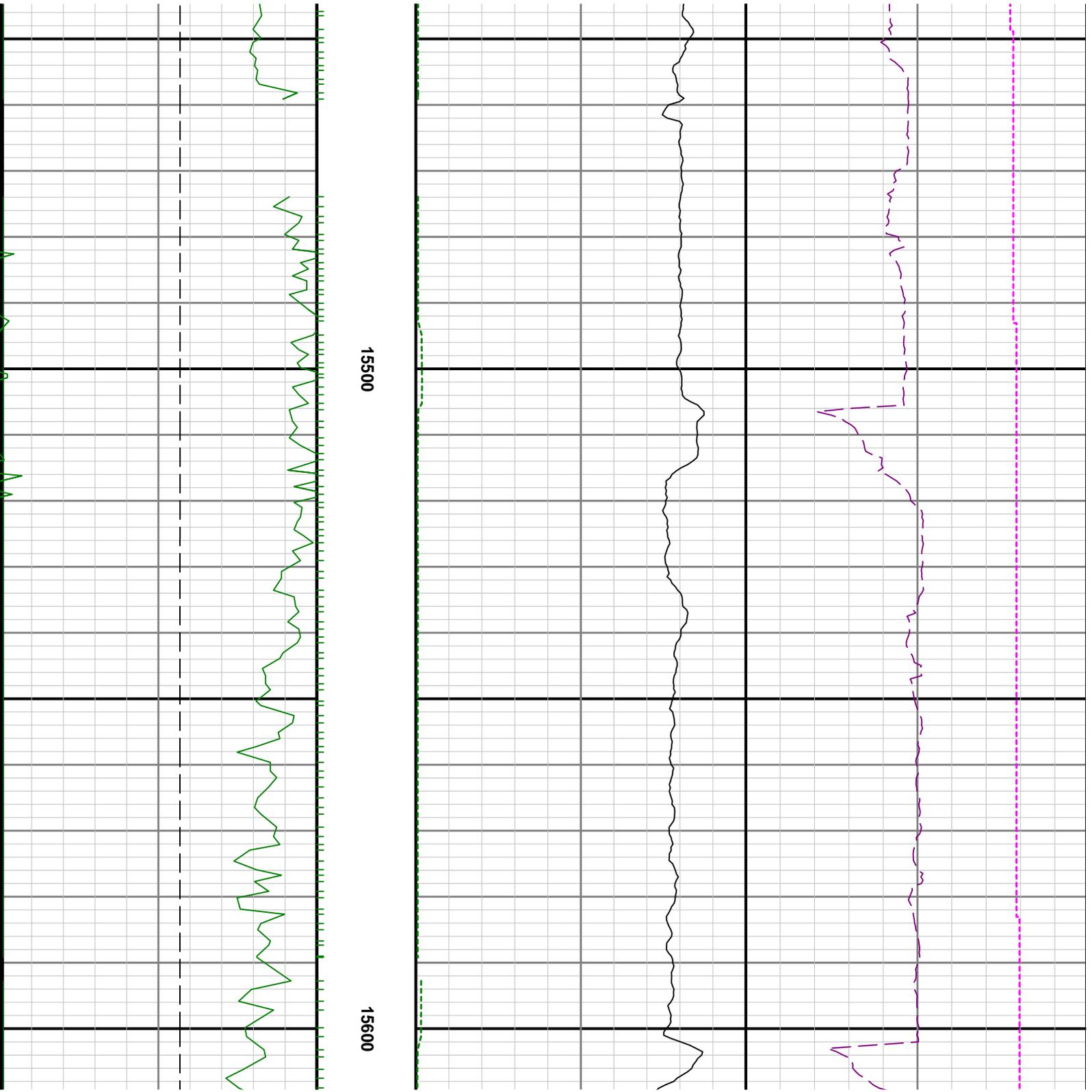


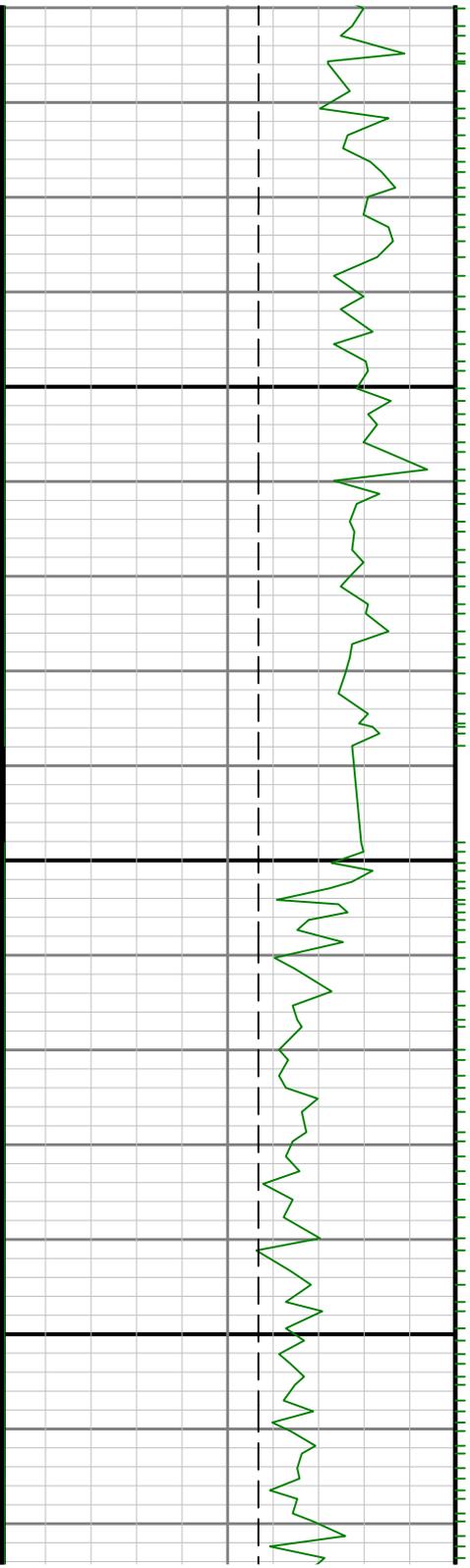


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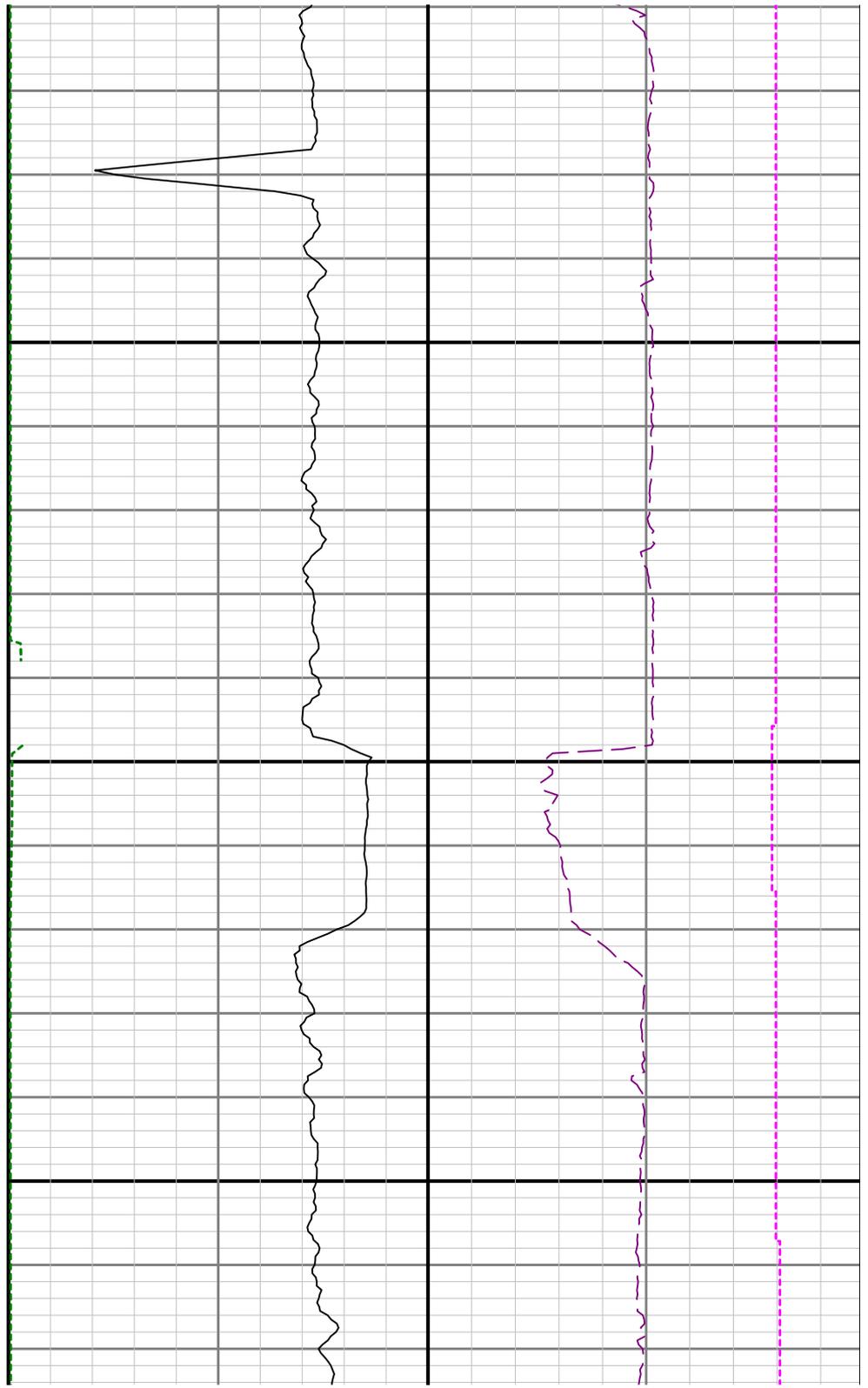


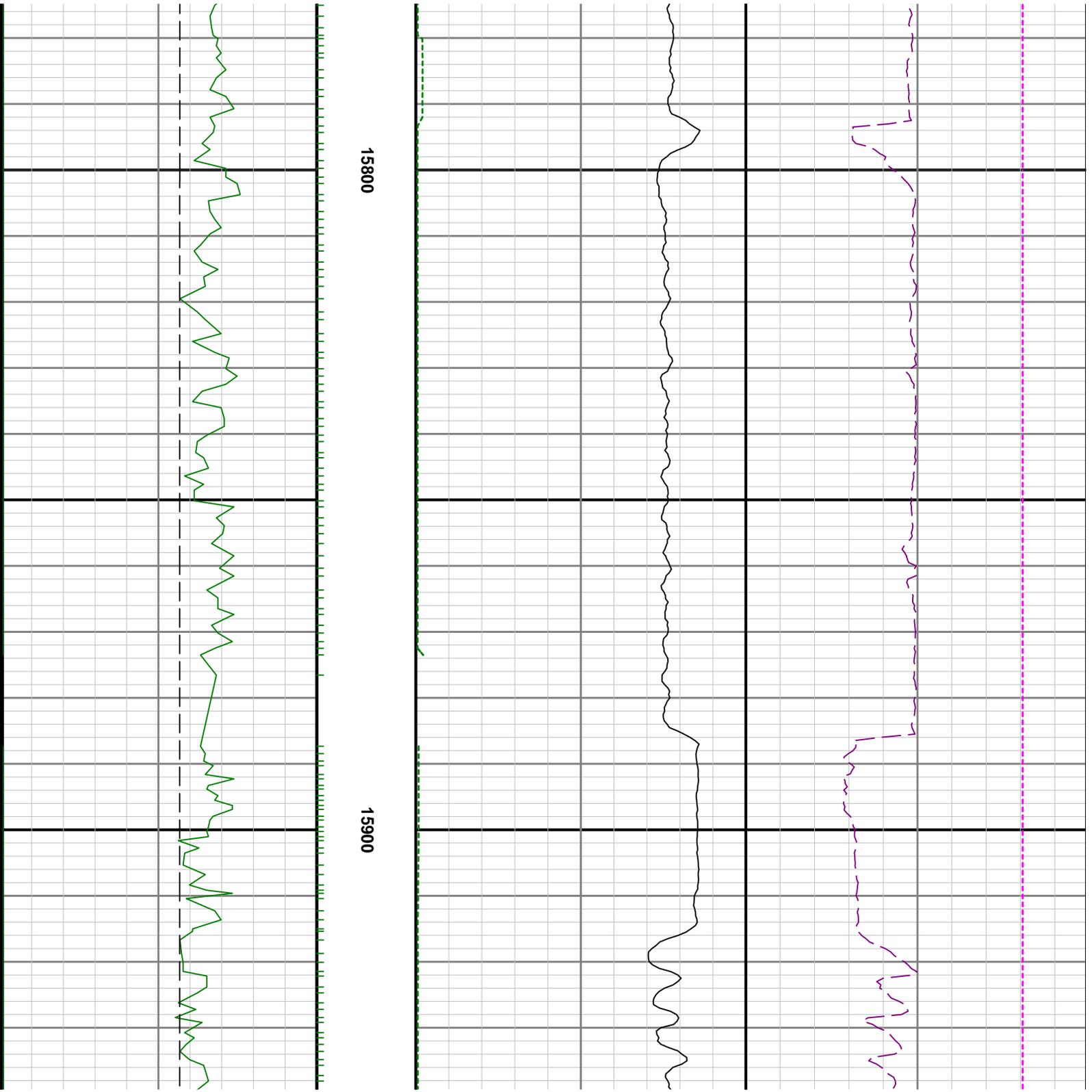


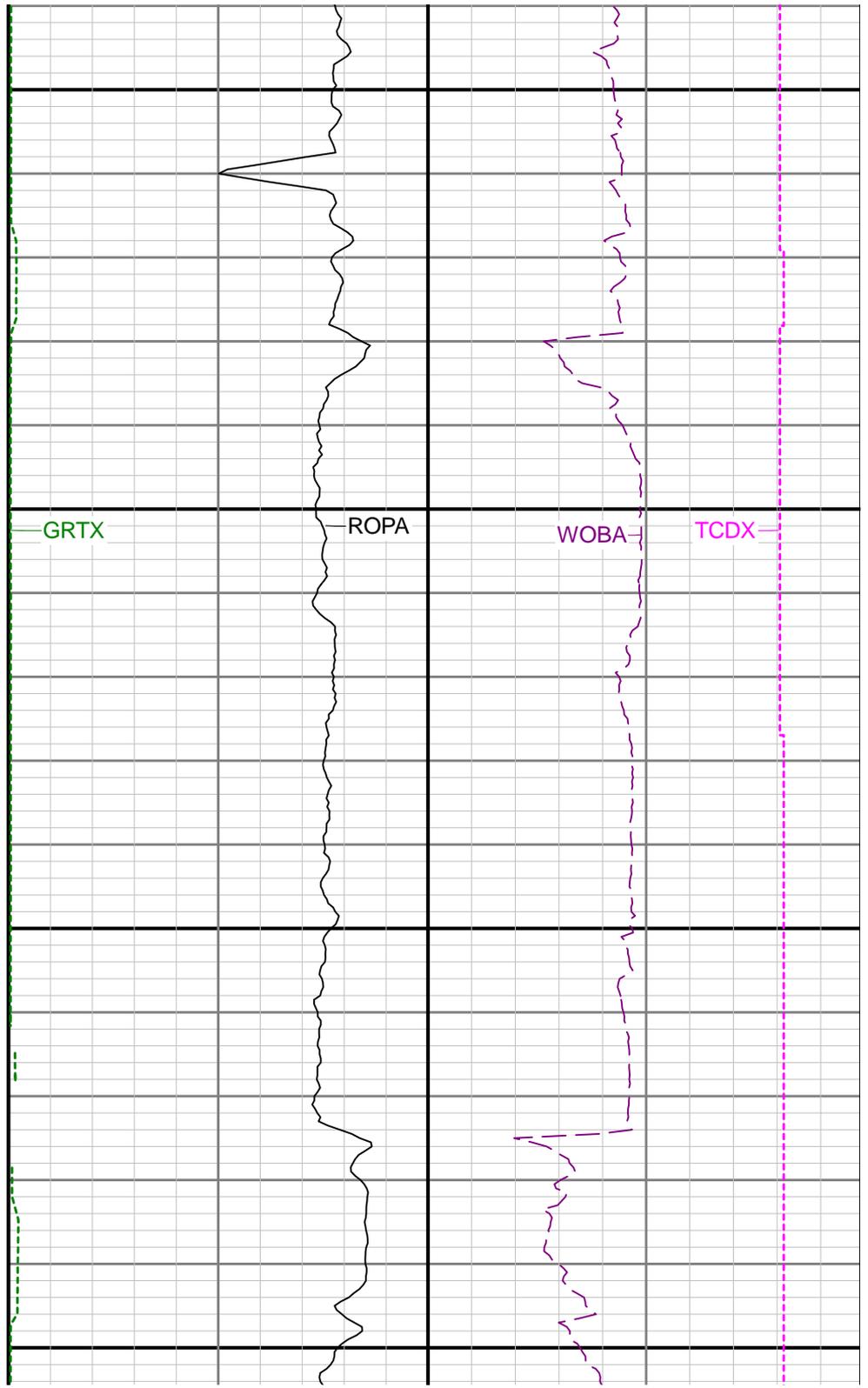
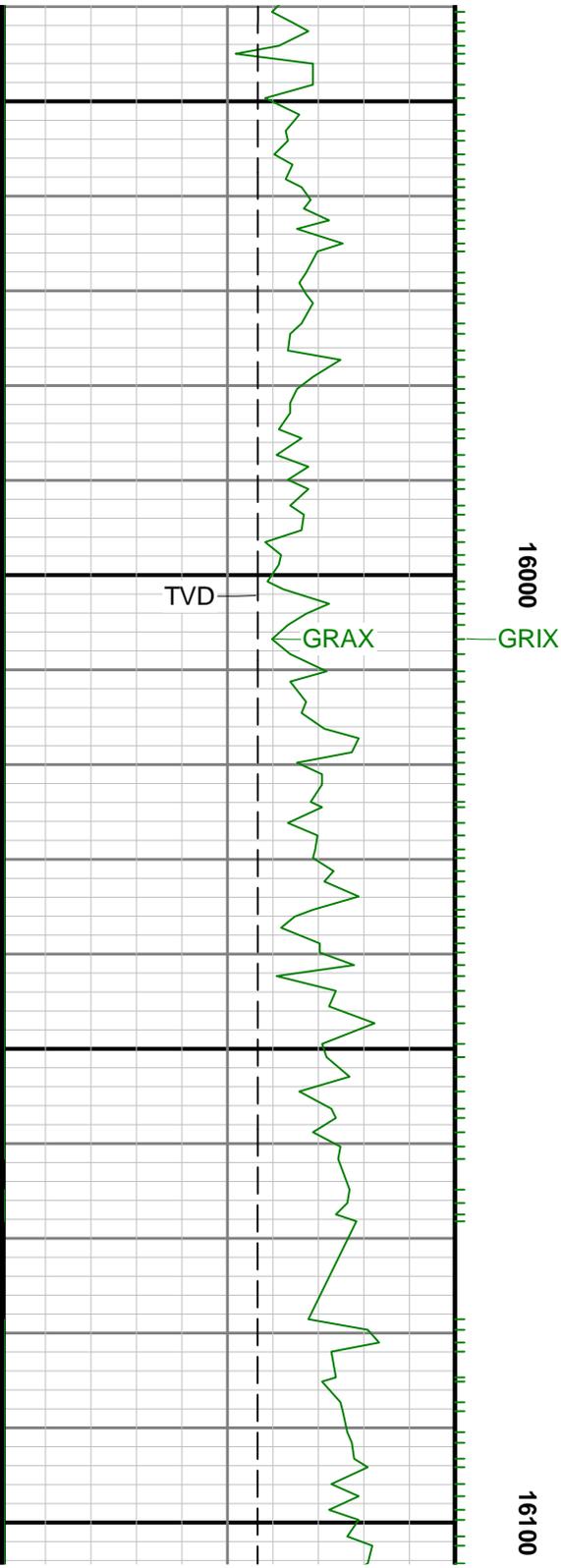


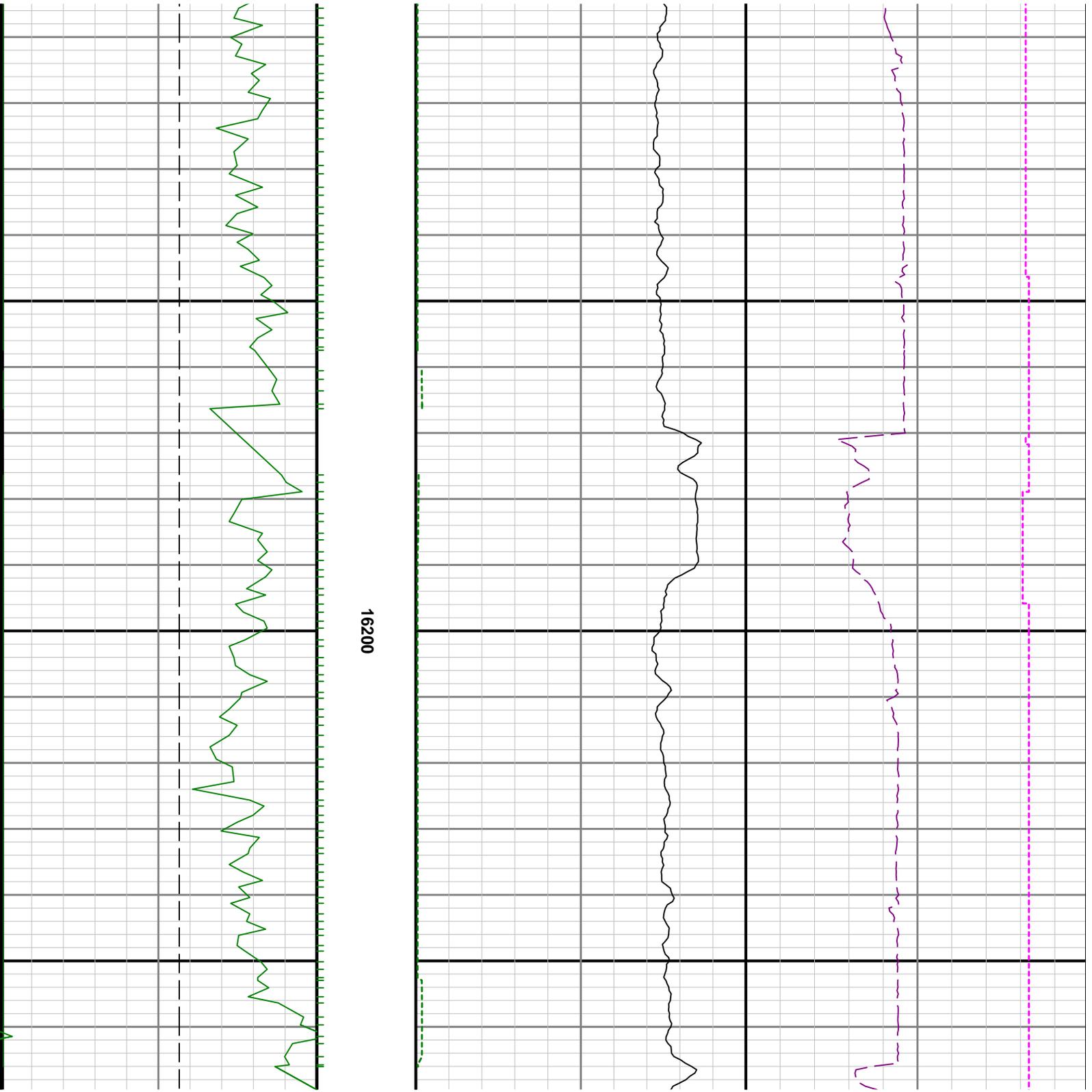


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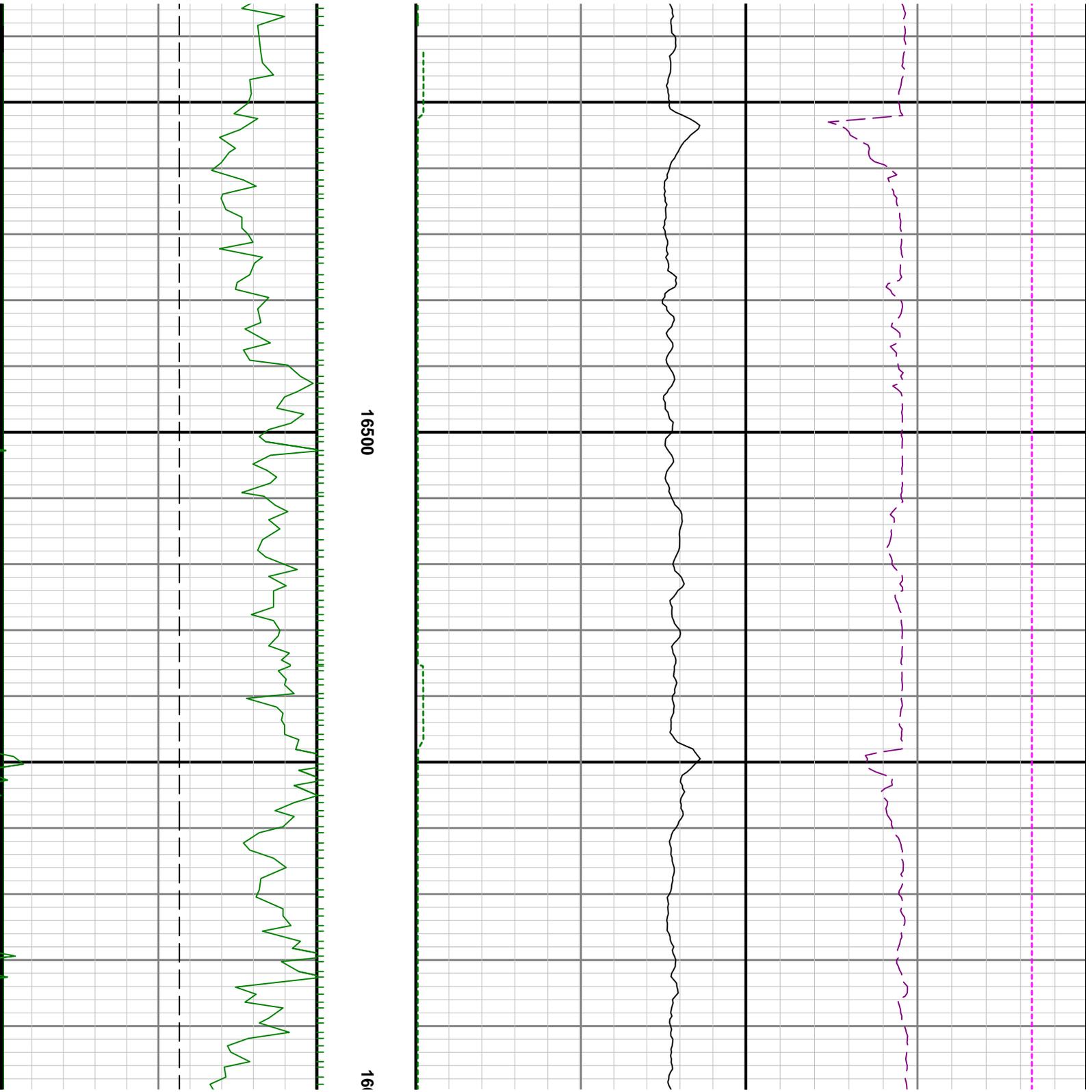


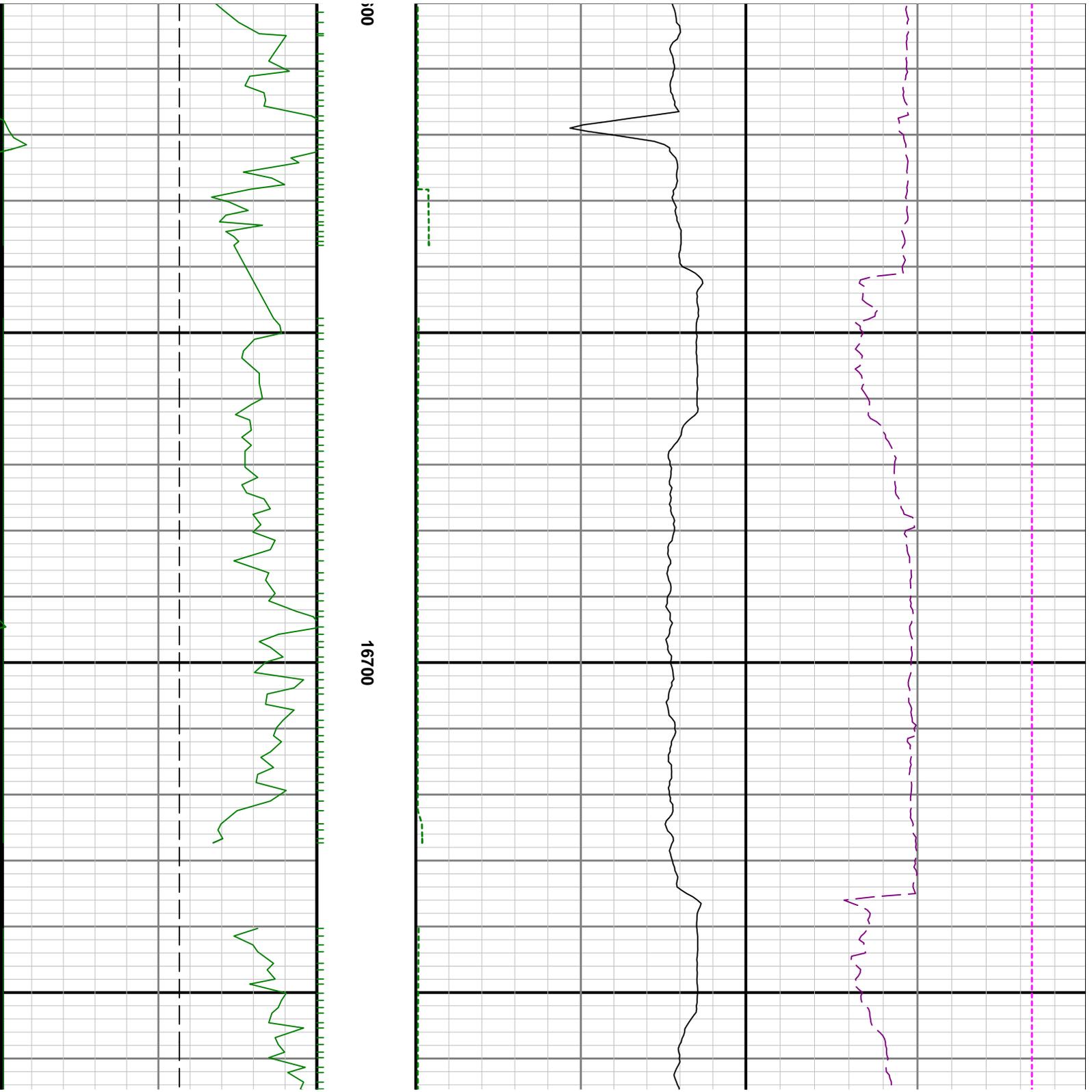


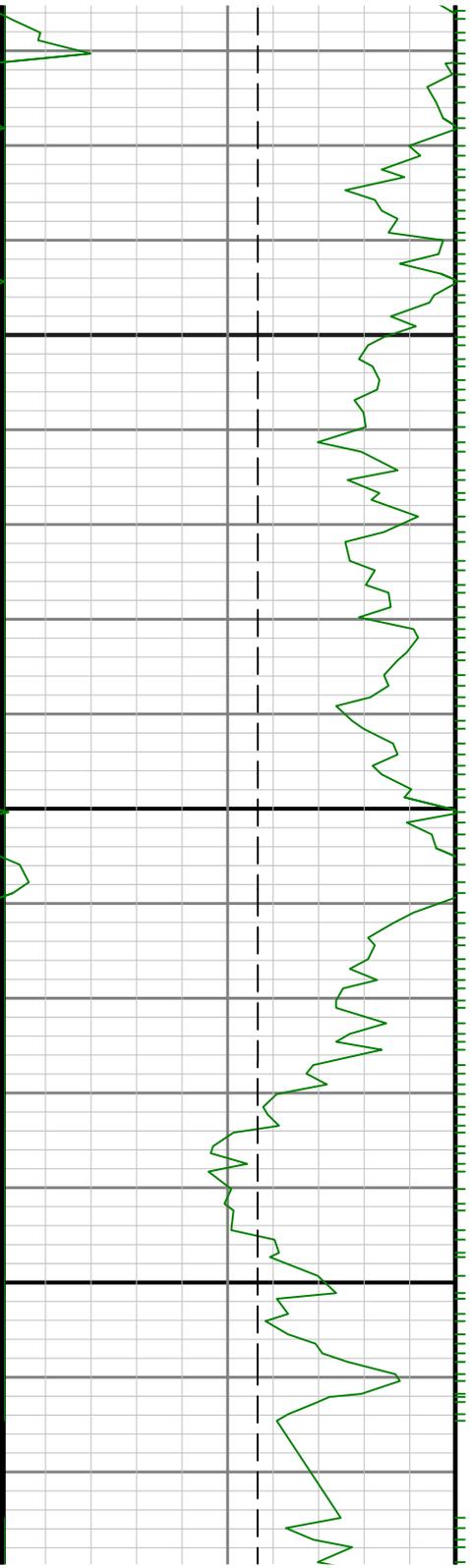






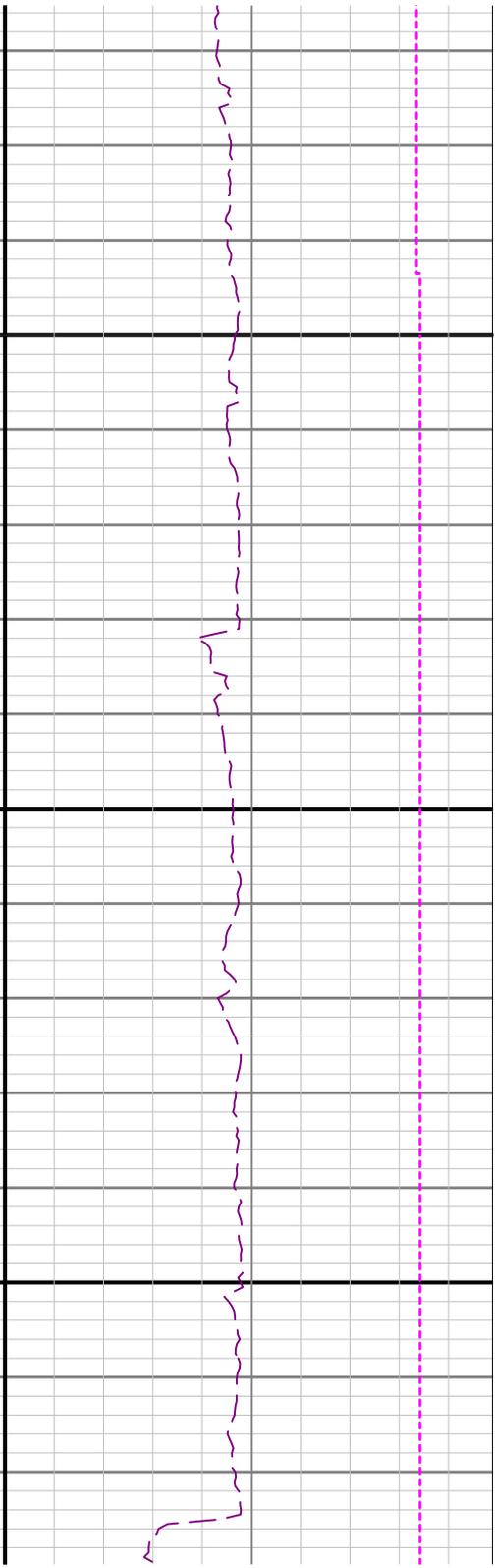


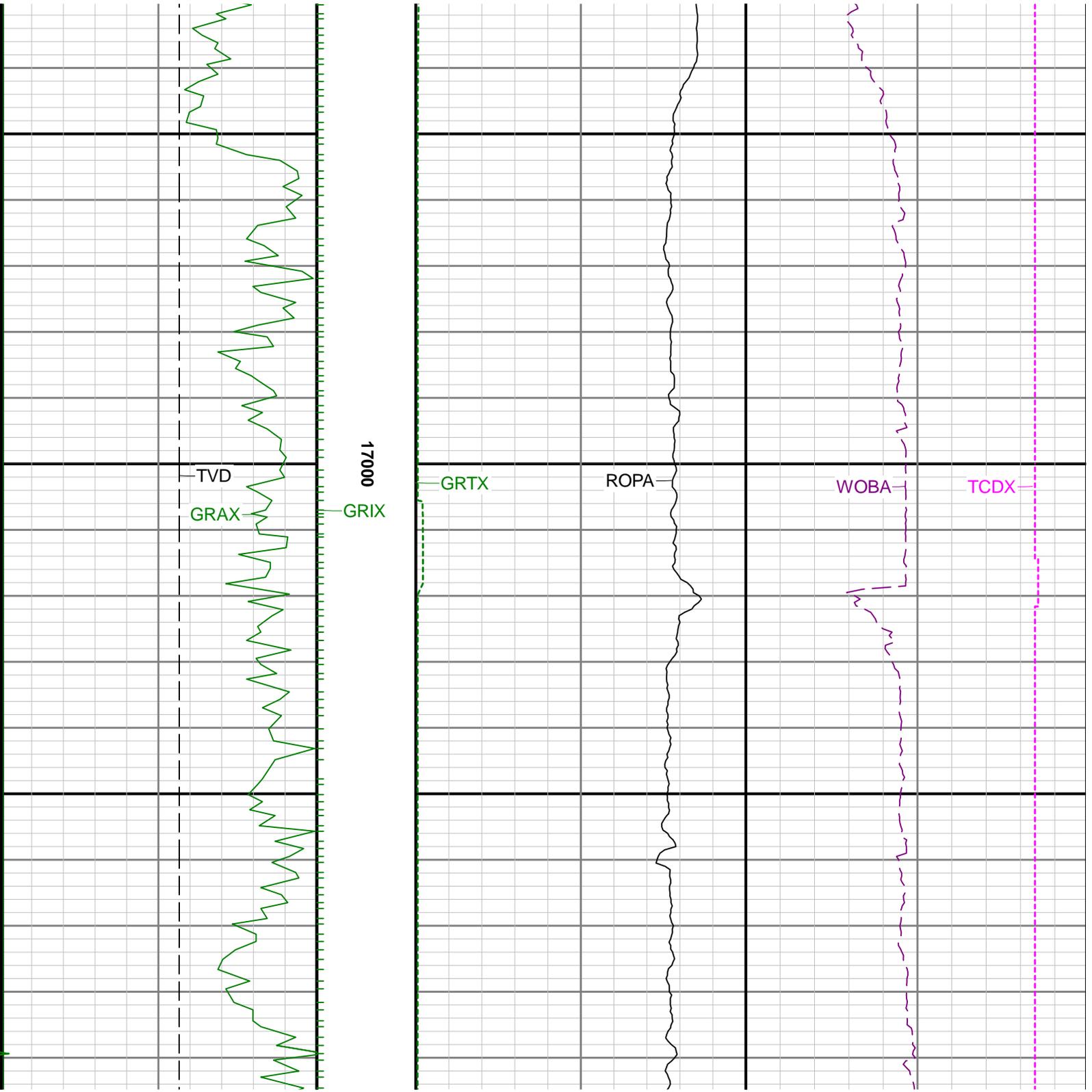




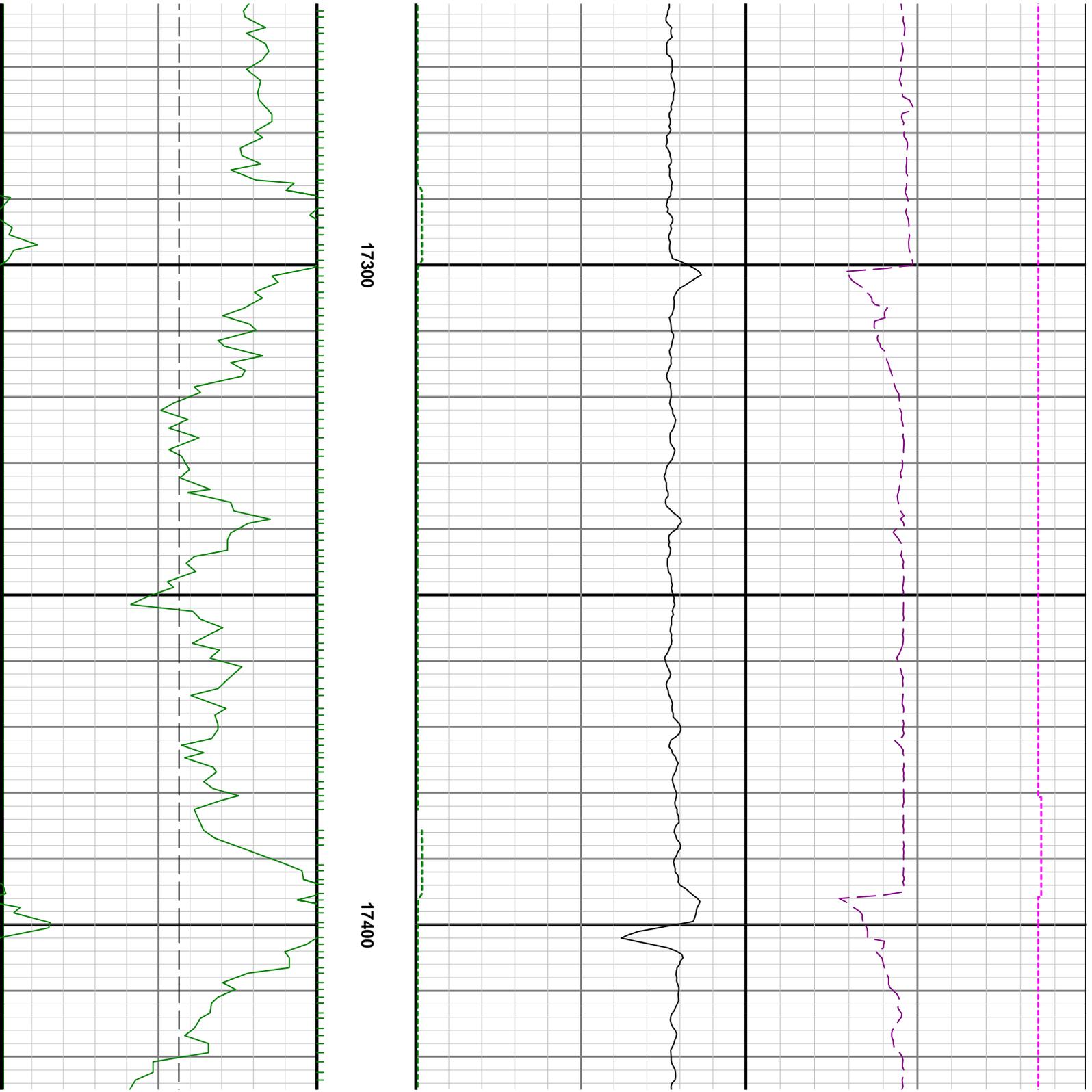
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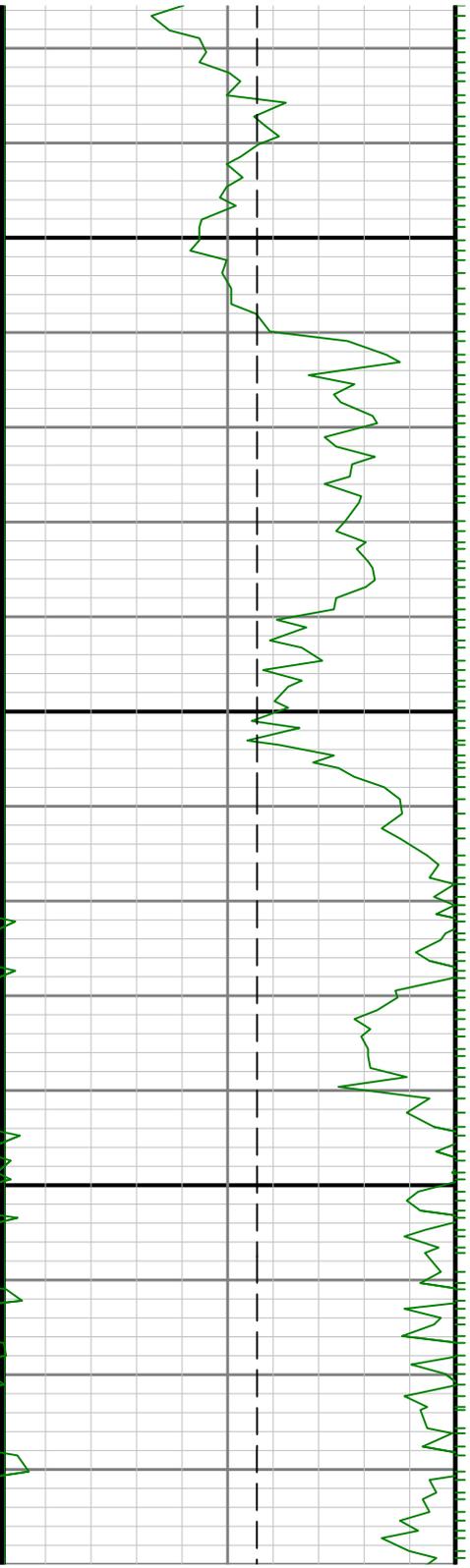
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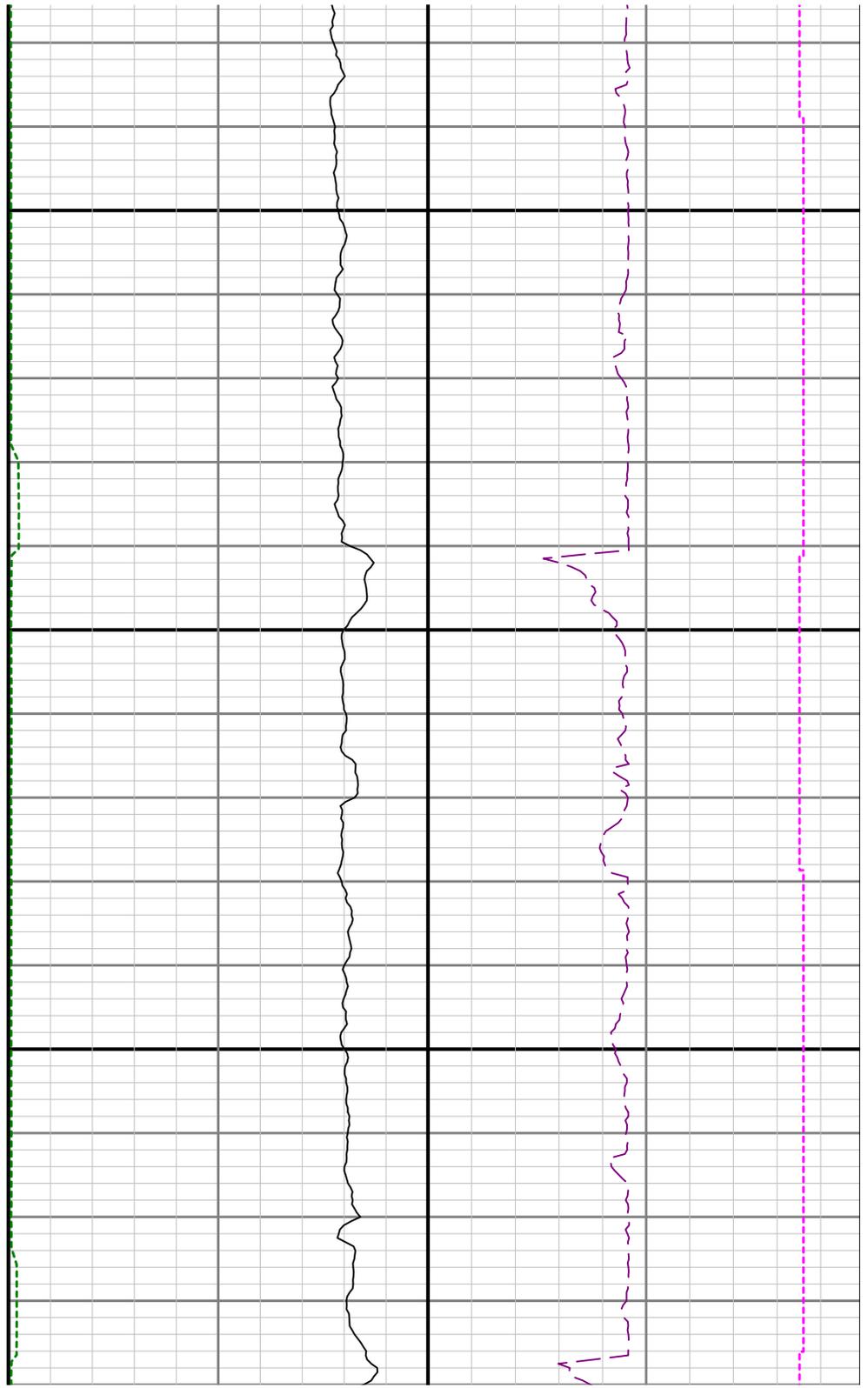




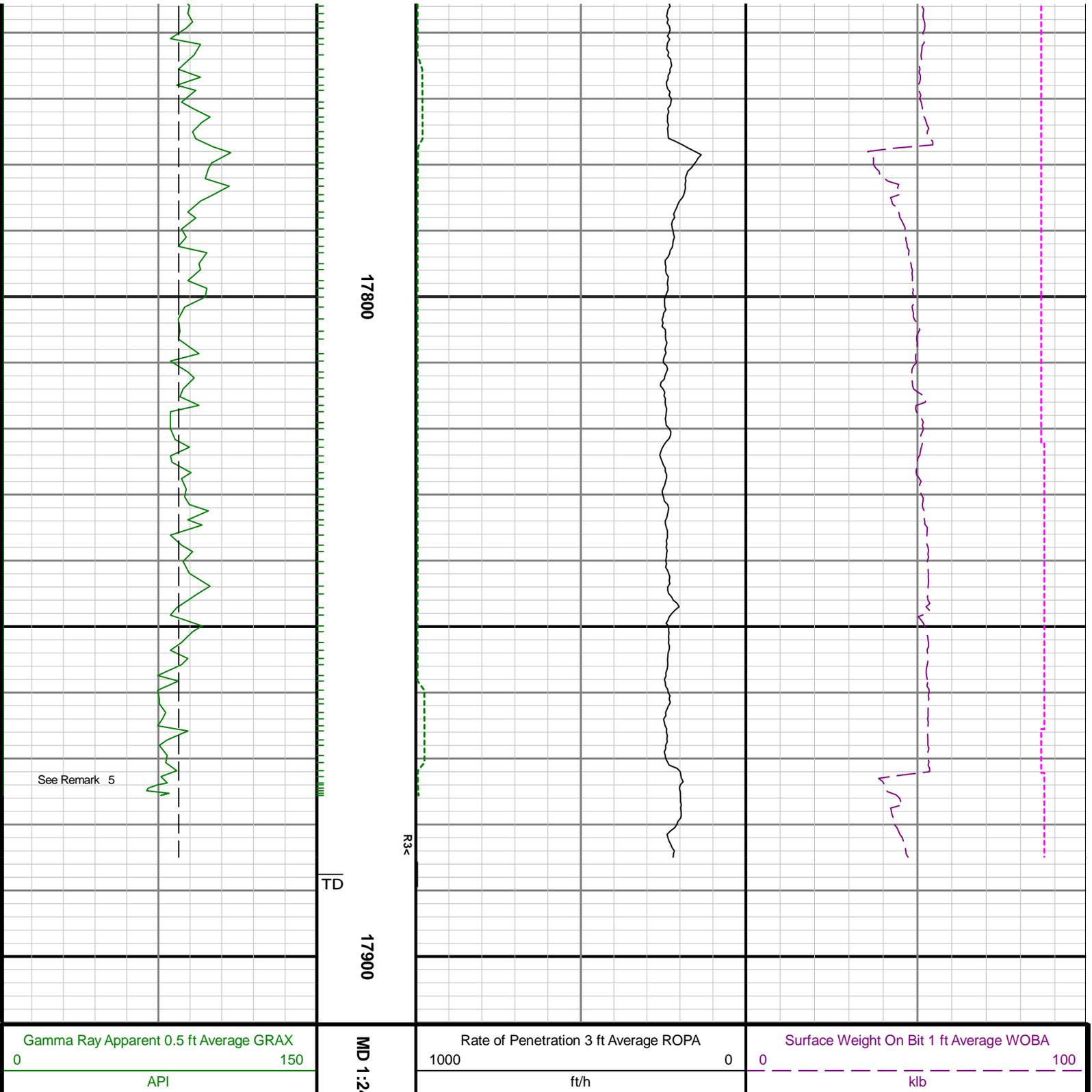




17500







See Remark 5

TD

R3<

Gamma Ray Apparent 0.5 ft Average GRAX

0 150

API

MD 1:2

Rate of Penetration 3 ft Average ROPA

1000 0

ft/h

Surface Weight On Bit 1 ft Average WOBA

0 100

klb

True Vertical Depth TVD
8000 6400
ft

40 feet

Gamma Ray Time Since Drilled GRTX
0 600
min

Downhole Temperature TCDX
0 300
degF