

Log Run Summary

Run No	Bit Run No.	Bit Size (in)	Bit Type	Bit Gauge Length (in)	Assembly Type	Logged Interval		Bit Depth Interval		Date / Time		Circ. Hours (h)
						Top	Bottom	From	To	Start Logging	End Logging	
						(ft)	(ft)	(ft)	(ft)			
1	1	7.875	PDC	2.00	Steerable	1876.00	12695.00	1876.00	12737.00	2018-03-21 14:02	2018-03-23 01:00	40.43

Crew

Name		Arrive Wellsite	Depart Wellsite	Name		Arrive Wellsite	Depart Wellsite	Name		Arrive Wellsite	Depart Wellsite
Teni Onafowokan		2018-03-21	2018-03-23	Will Roth		2018-03-21	2018-03-23				

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+ (%)
2018-03-21 10:29	1	1876.00	Diesel-Oil Based Mud	9.0	18	N/A	N/A	73/27	Active Pit	40000	0.00
2018-03-21 19:00	1	3257.00	Diesel-Oil Based Mud	9.1	18	N/A	N/A	73.3/26.7	Active Pit	41000	0.00
2018-03-22 19:00	1	8676.00	Diesel-Oil Based Mud	8.9	13	N/A	N/A	74.7/25.3	Active Pit	36000	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	NaviGamma	10481462	Gamma (single)	11.91	42.33	6.500	3.250
1	NaviGamma	10481462	Directional (mag)	15.33	45.75	6.500	3.250
1	NaviGamma	10481462	VSS	15.33	45.75	6.500	3.250

Service and Tool Mnemonics

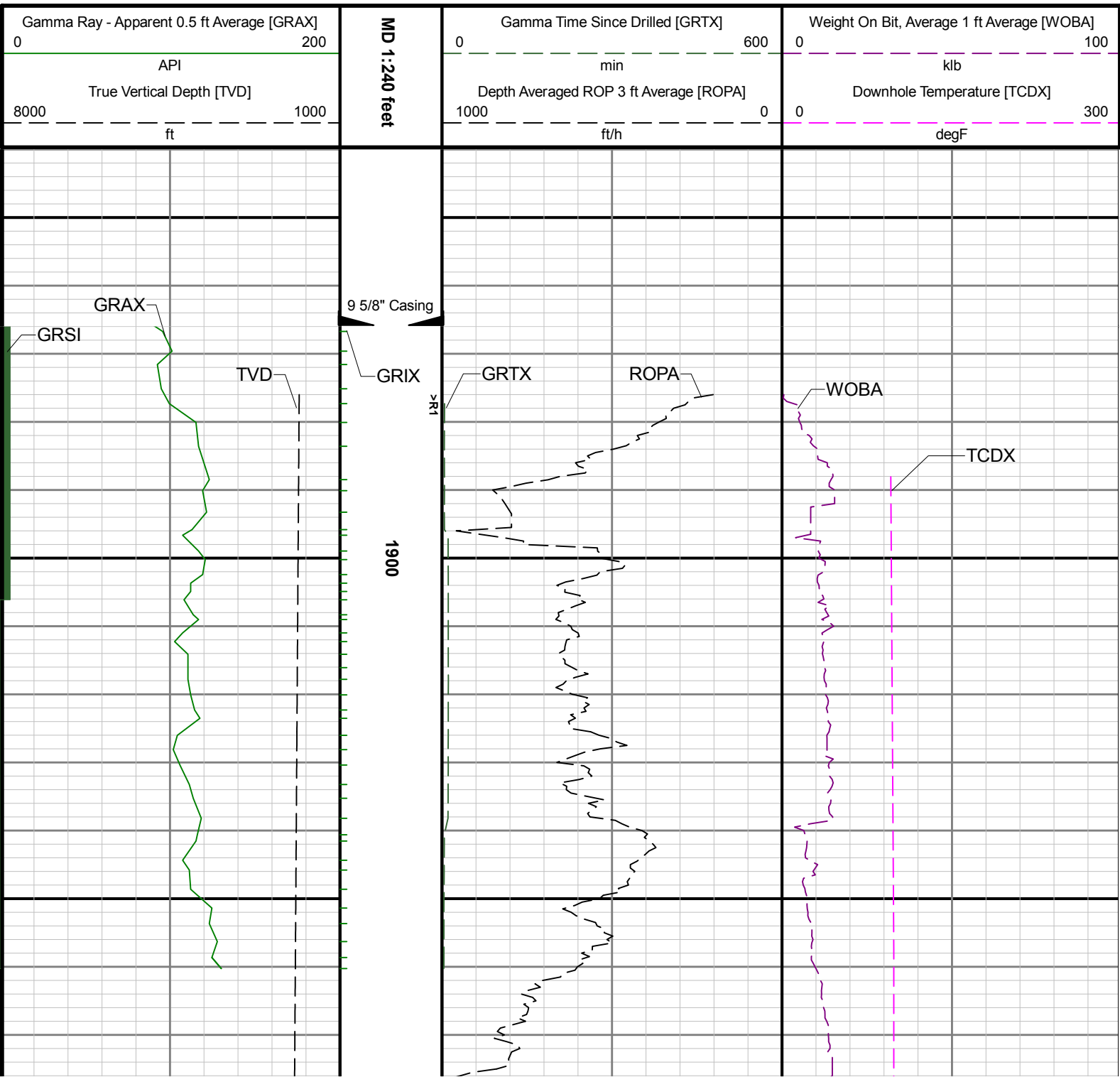
Mnemonic	Name	Description
GAM	NaviGamma	Probe Based Gamma Module, NaviTrak Platform

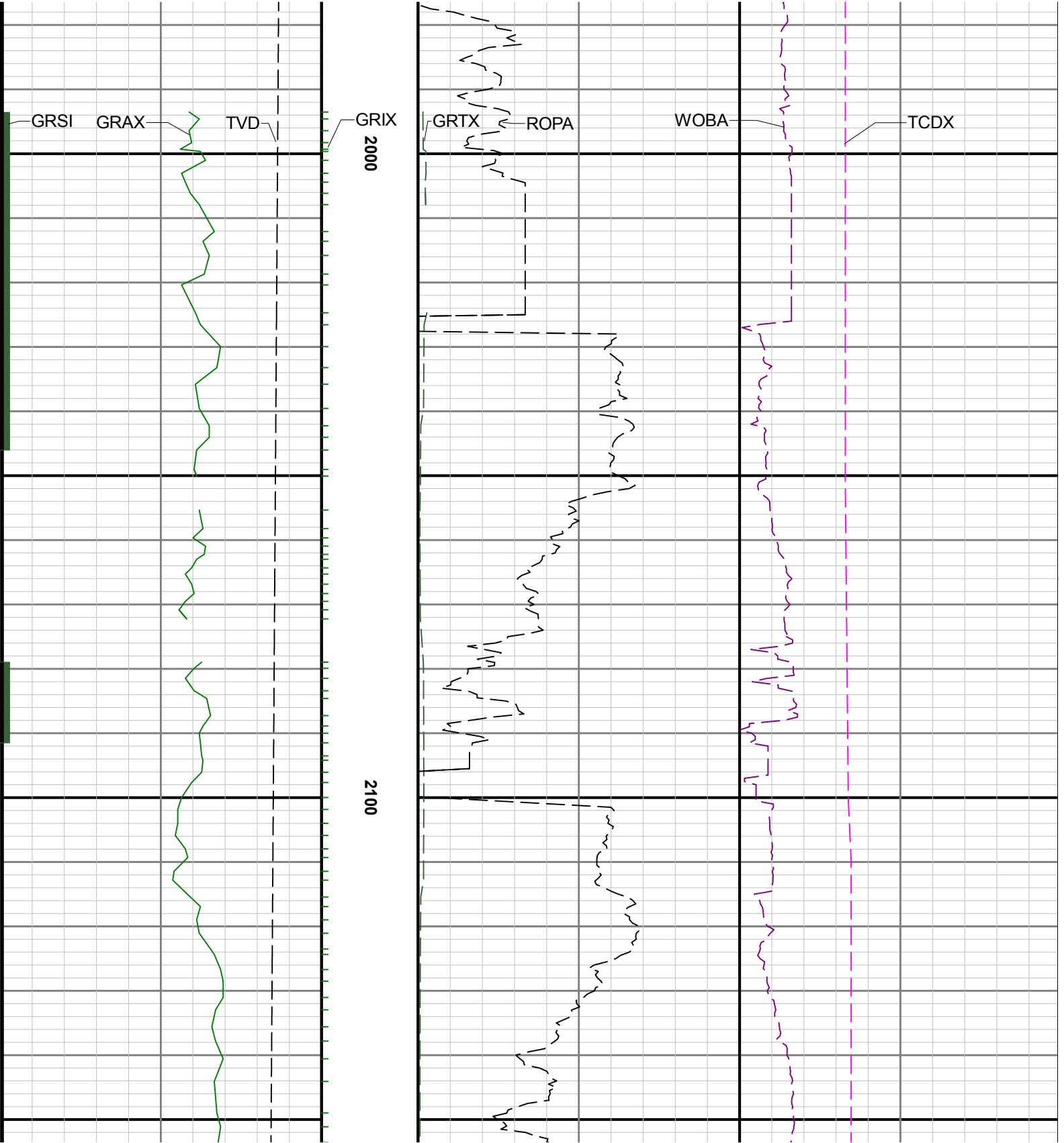
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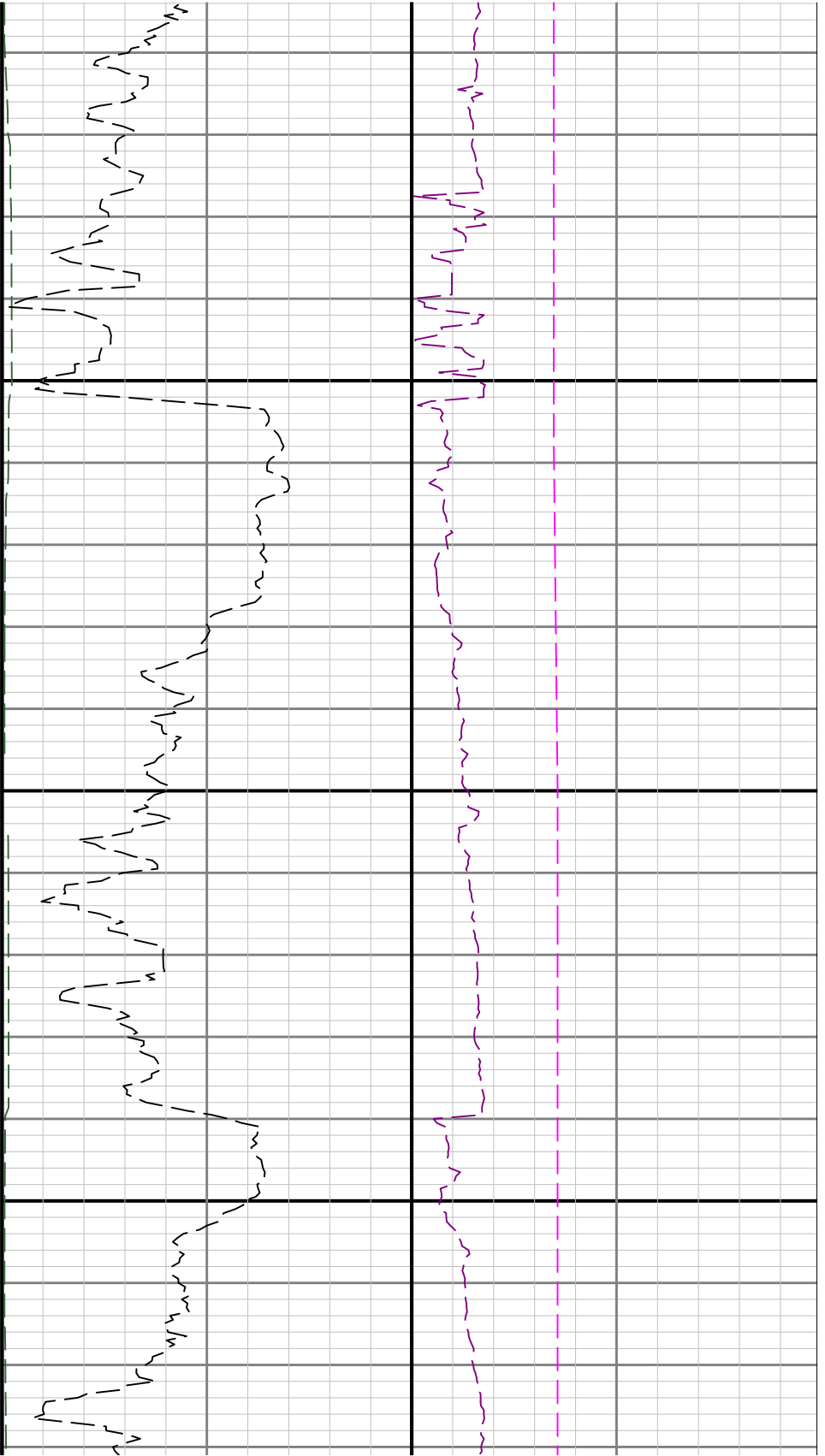
1	Depth measurements were obtained from a depth control system not supplied or operated by Baker Hughes. Due to the lack of control by Baker Hughes logging engineers, depth calibrations and measurements could not be independently verified.
2	A sliding indicator is shown to the left edge of track 1 as a heavy line. The indicator has been depth-shifted to the Gamma Ray sensor offset to correspond with Gamma Ray data acquired while sliding.
3	Baker Hughes run 1 utilized 6.50 inch NaviGamma services (Gamma Ray and Directional) behind a 7 7/8 inch bit and steerable assembly from 1876 to 12737 feet MD (1840 to 7288 feet TVD).
4	Numerous gaps are present throughout the log due to surveying while on bottom drilling ahead.
5	Gamma Ray (GRAX) scale is presented 0 to 200 API per customer request.

Remarks

Number	Measured Depth (ft)	Hole Section (in)	Run No.	Remark
1	12700.00	7.875	1	The interval from 12695 to 12737 feet MD (7288 feet TVD) was not logged due to sensor to bit offset at the end of Run 1.

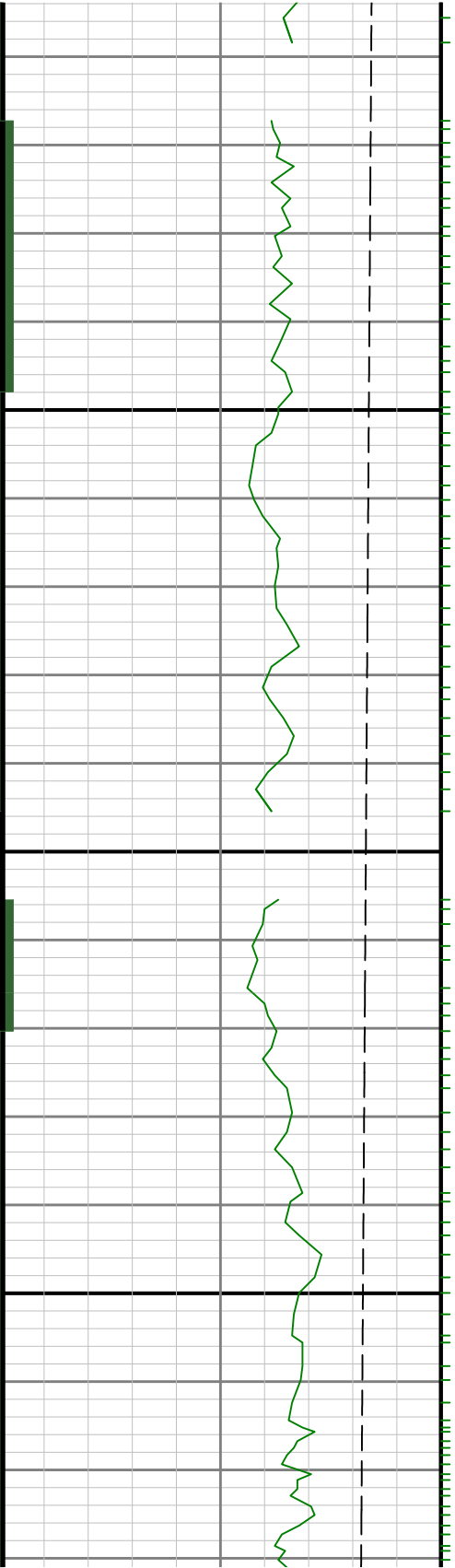


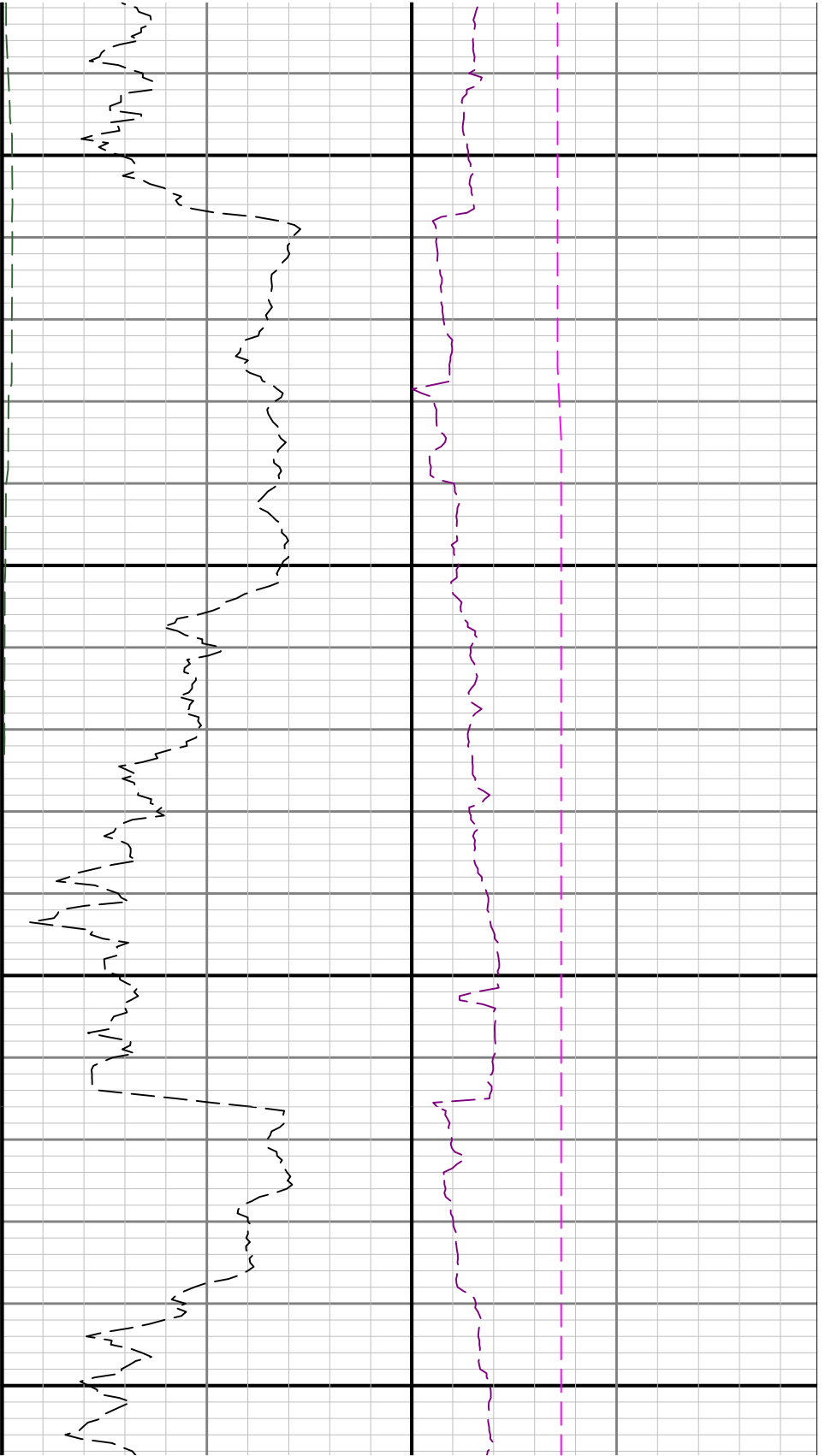




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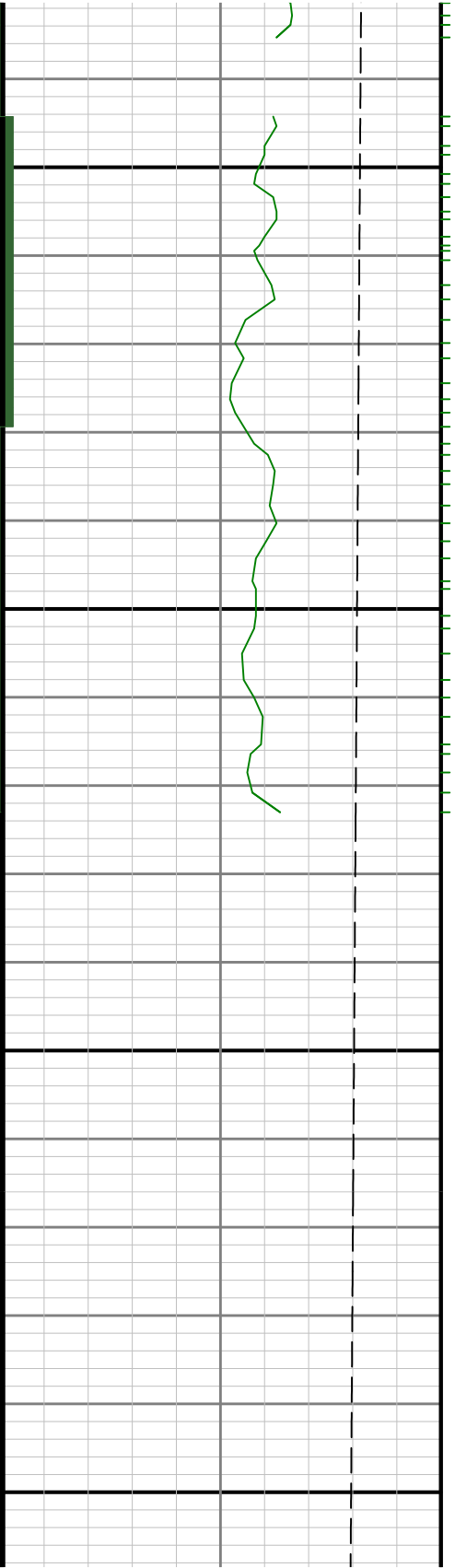
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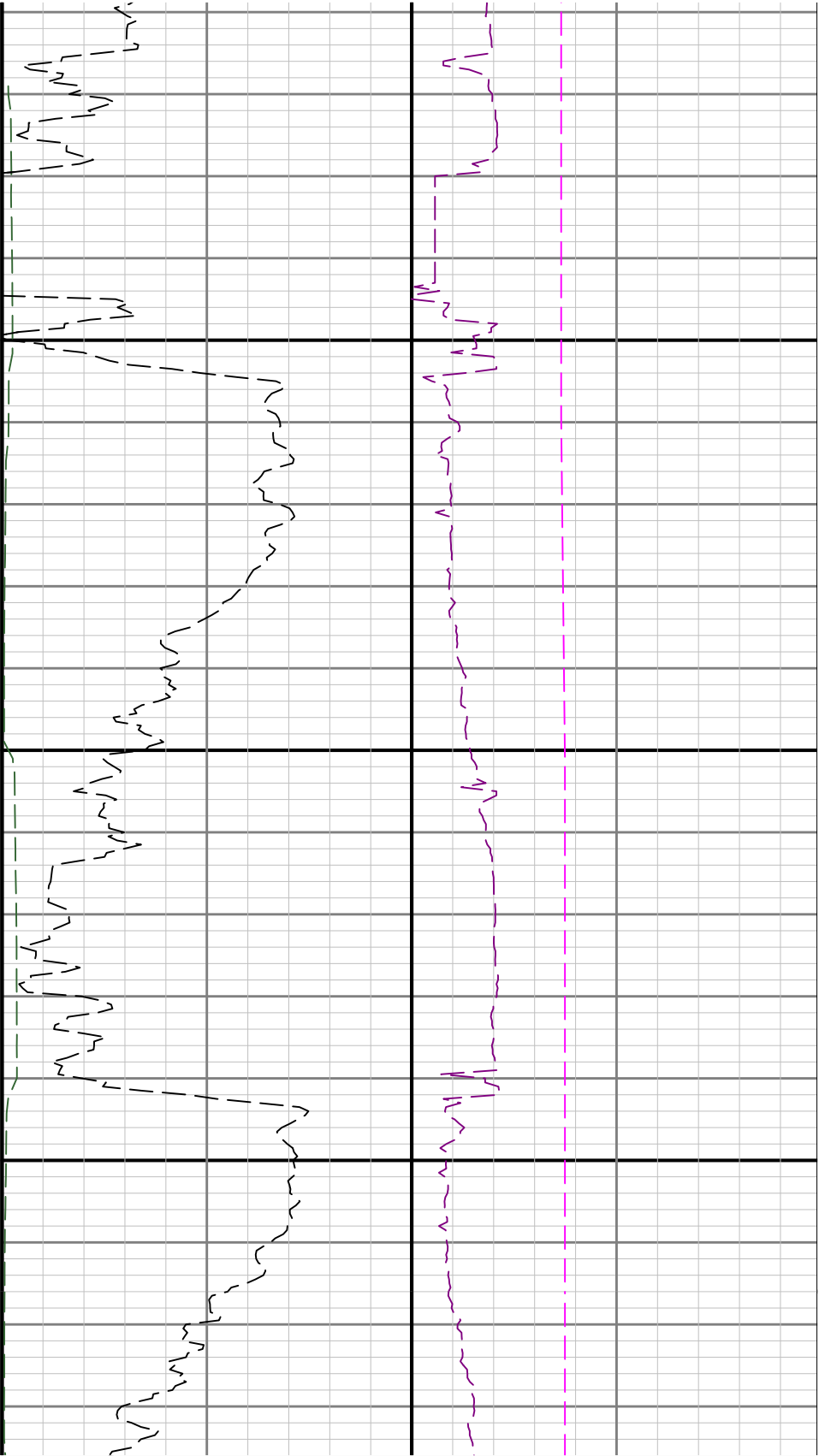




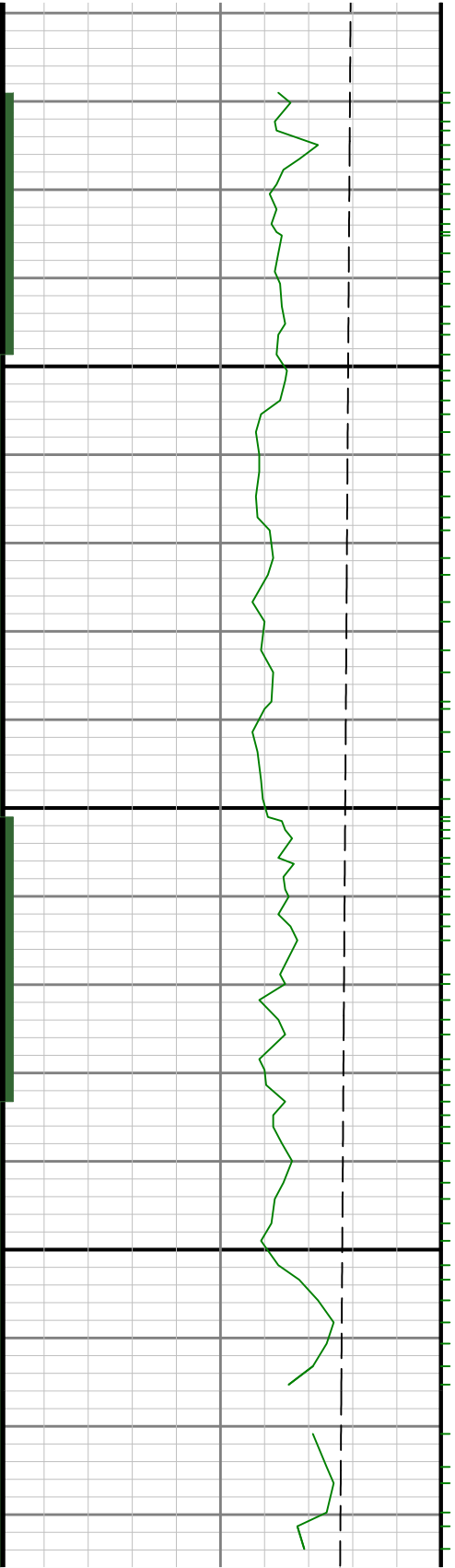
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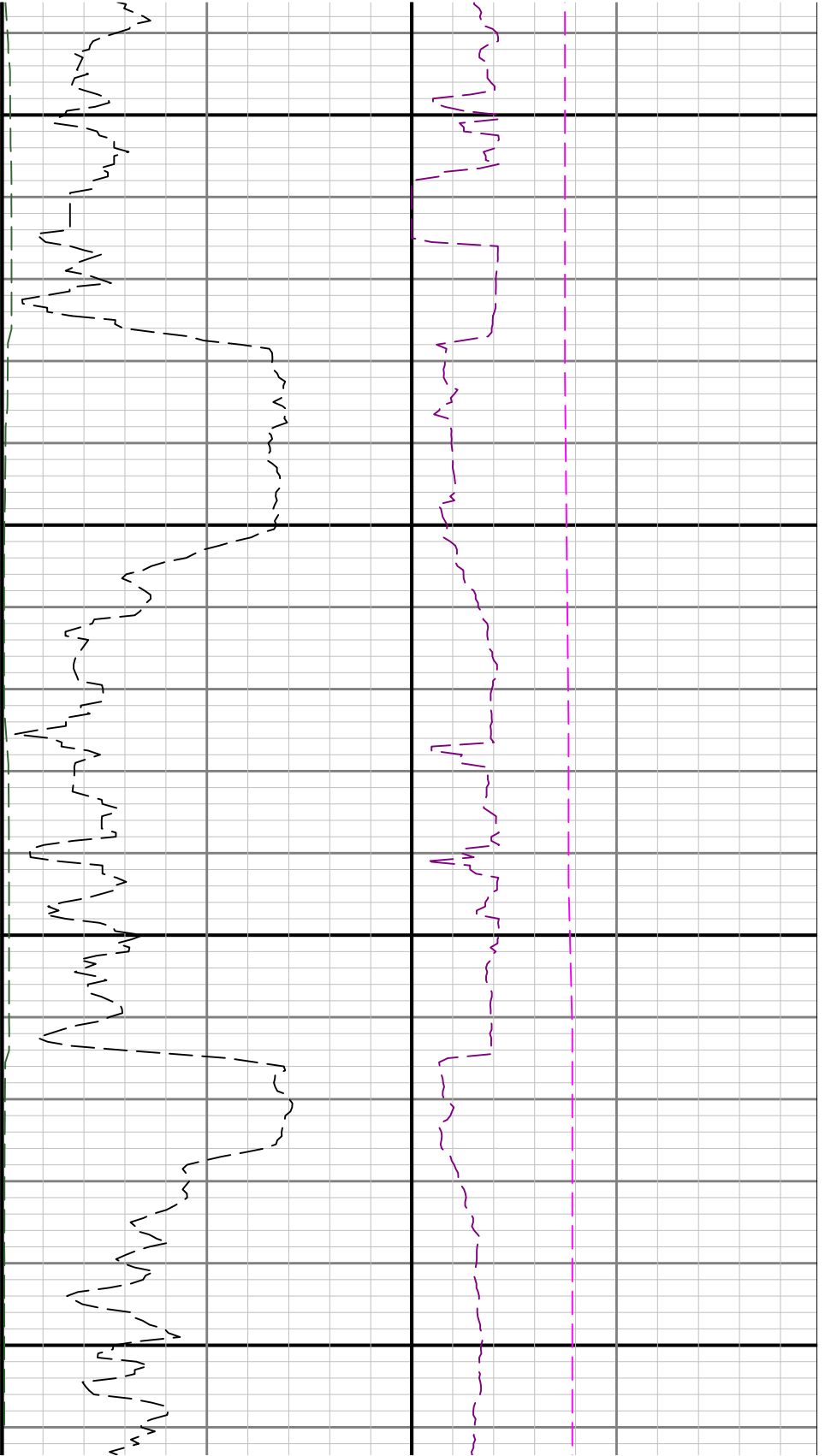
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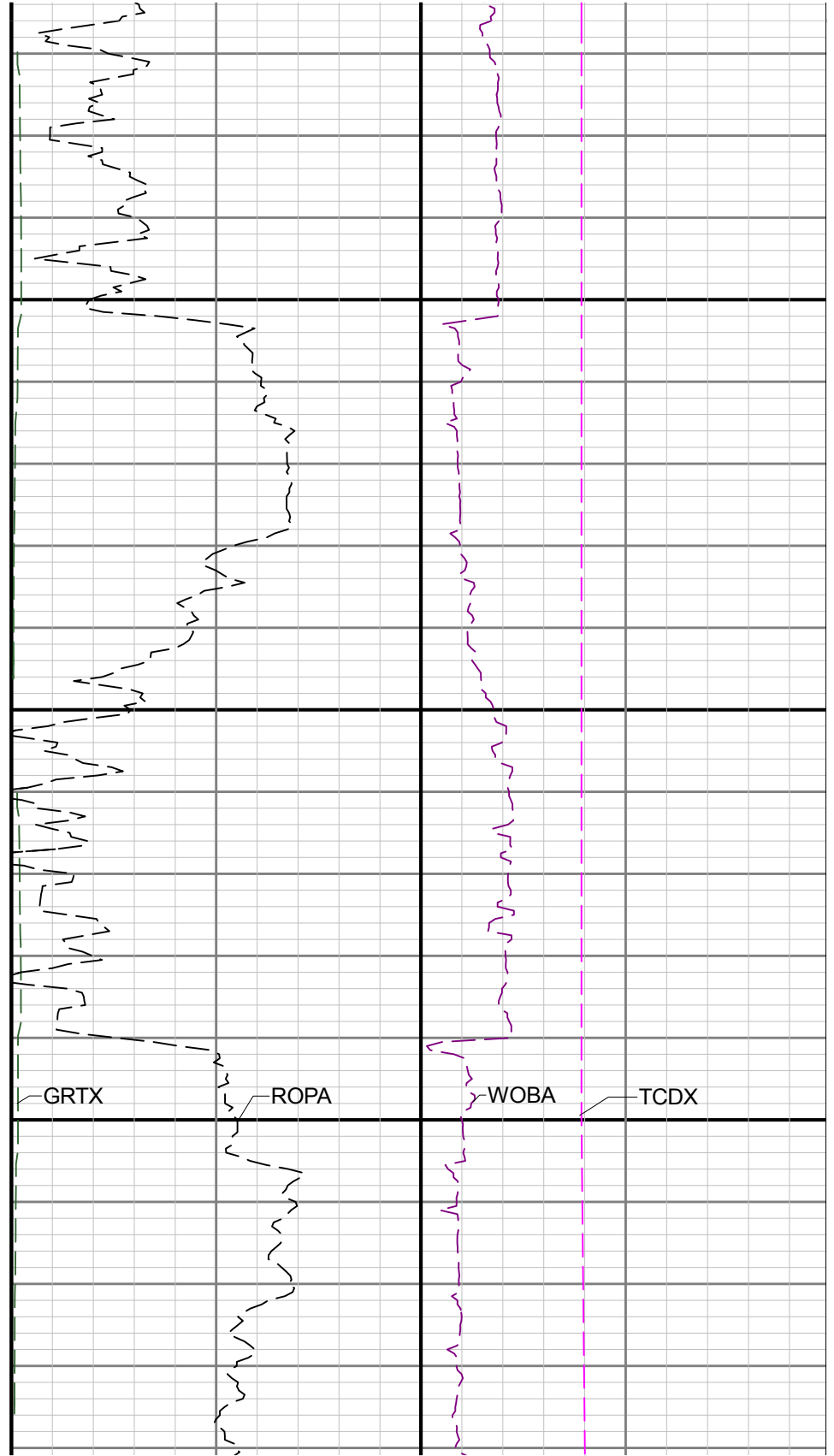
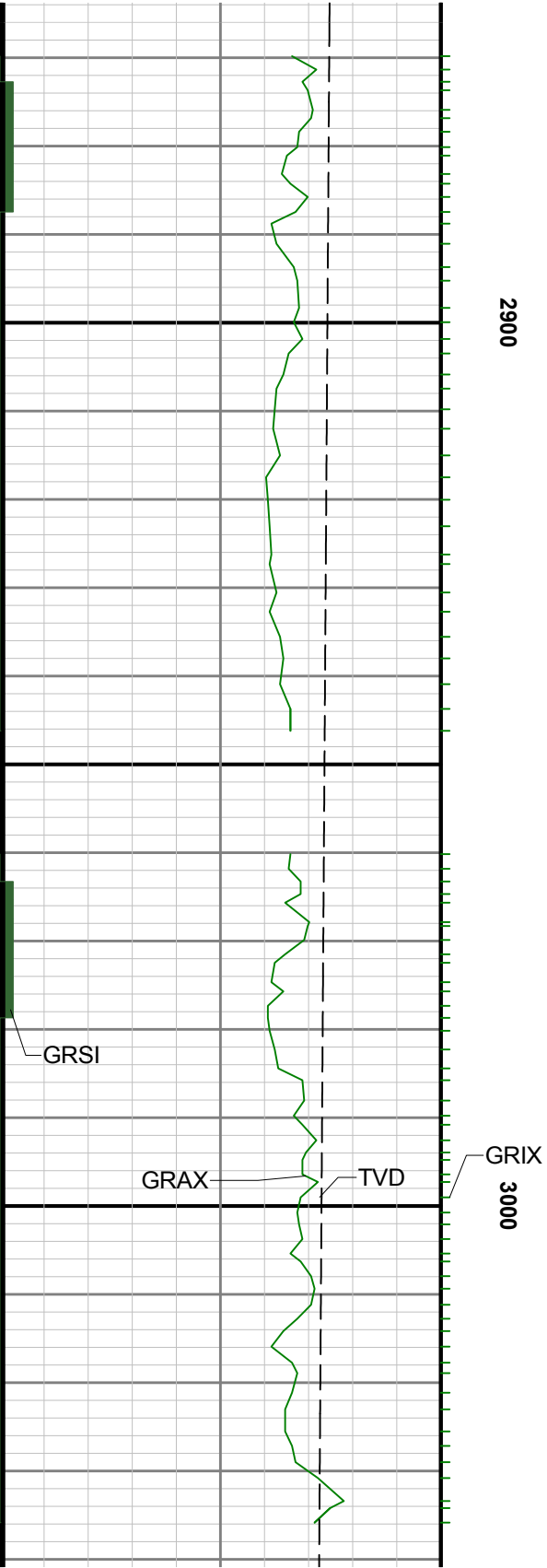
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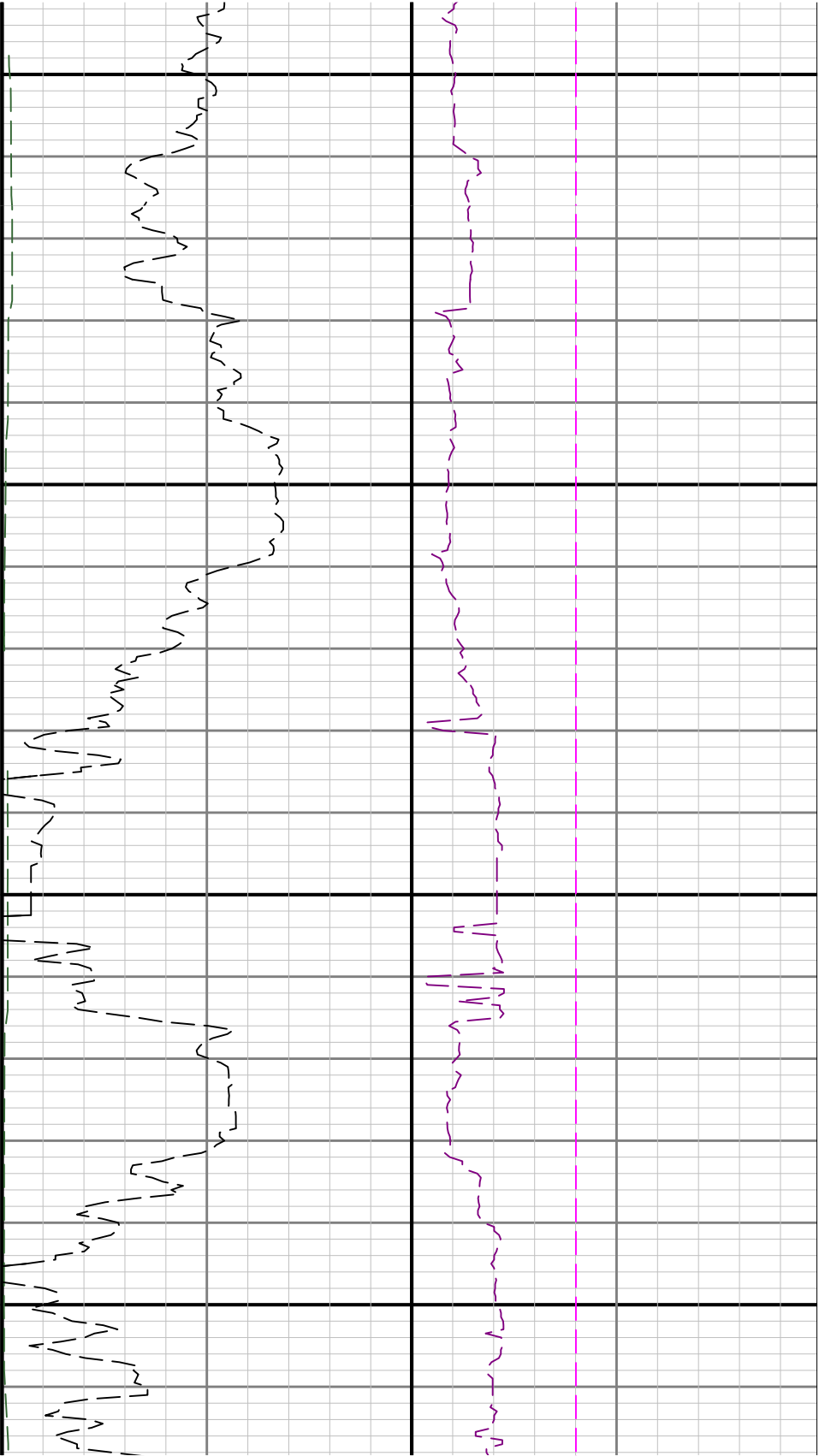




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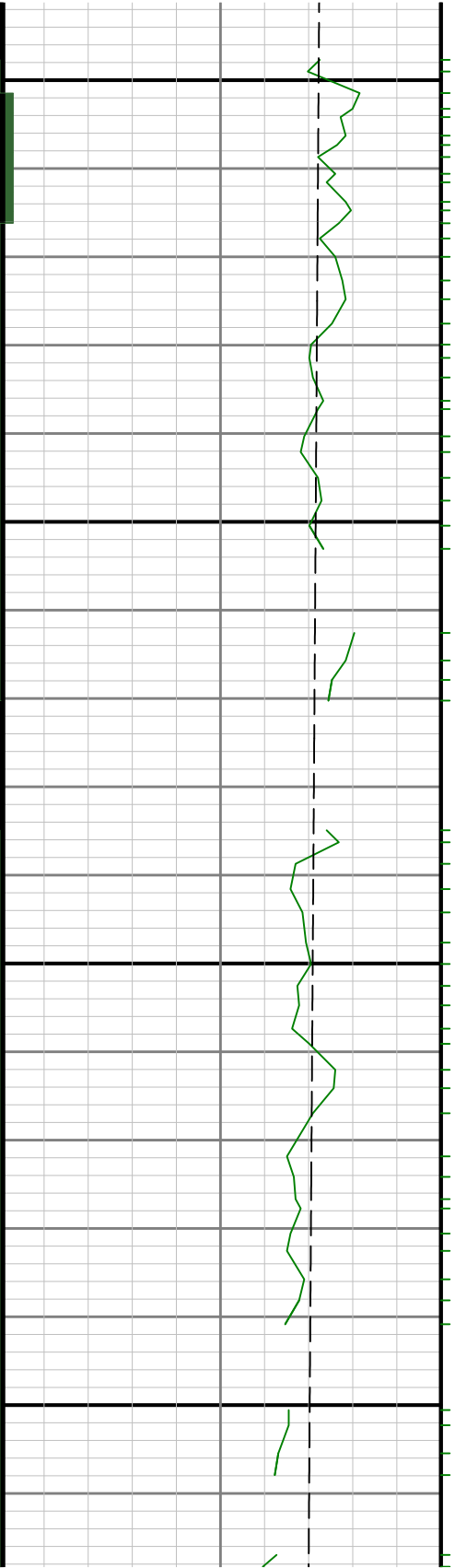
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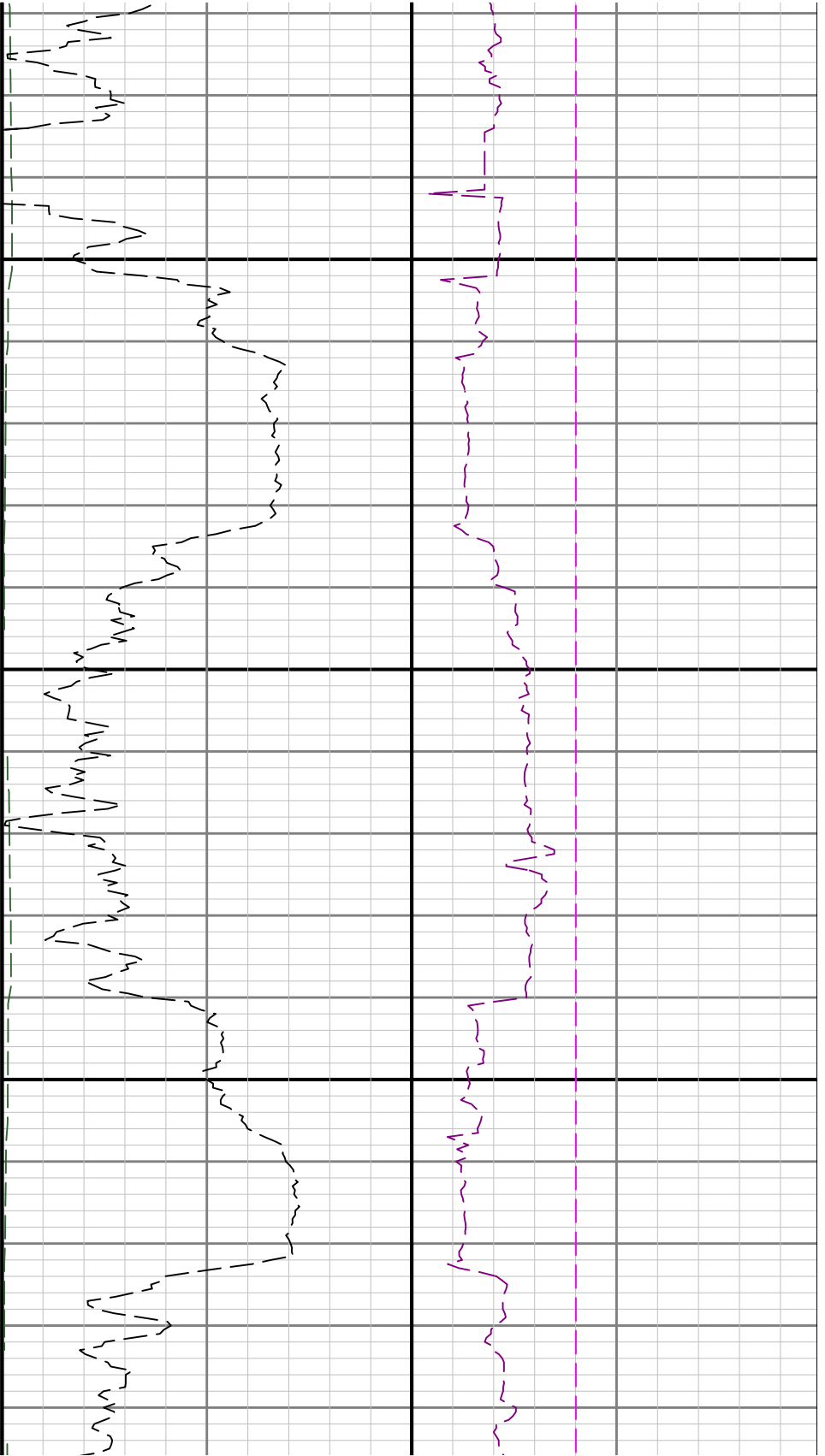




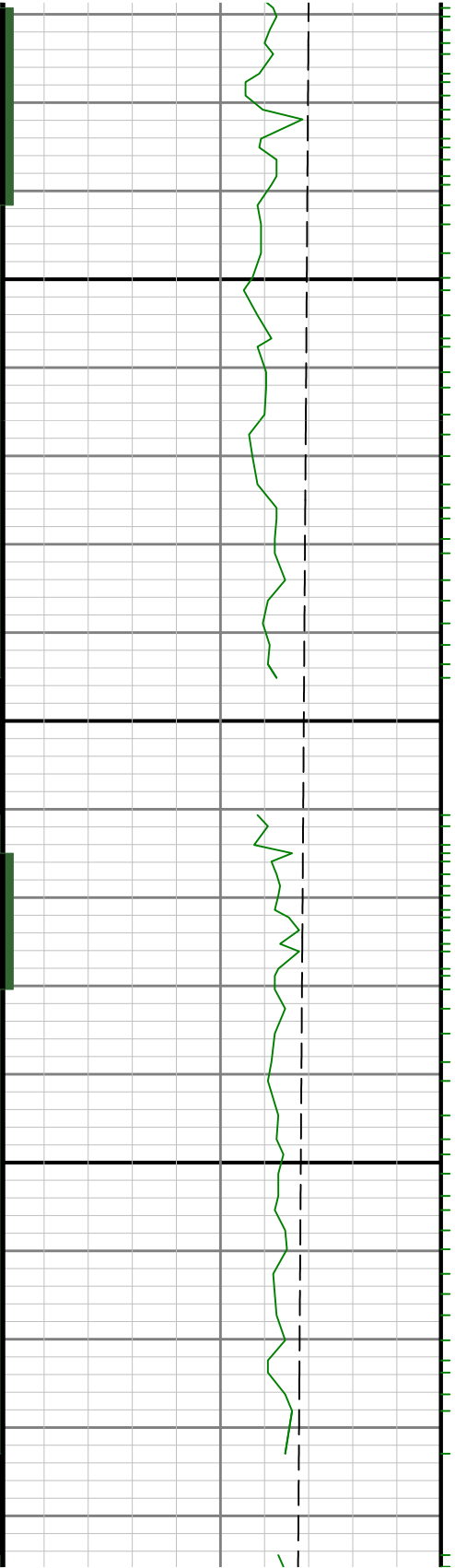
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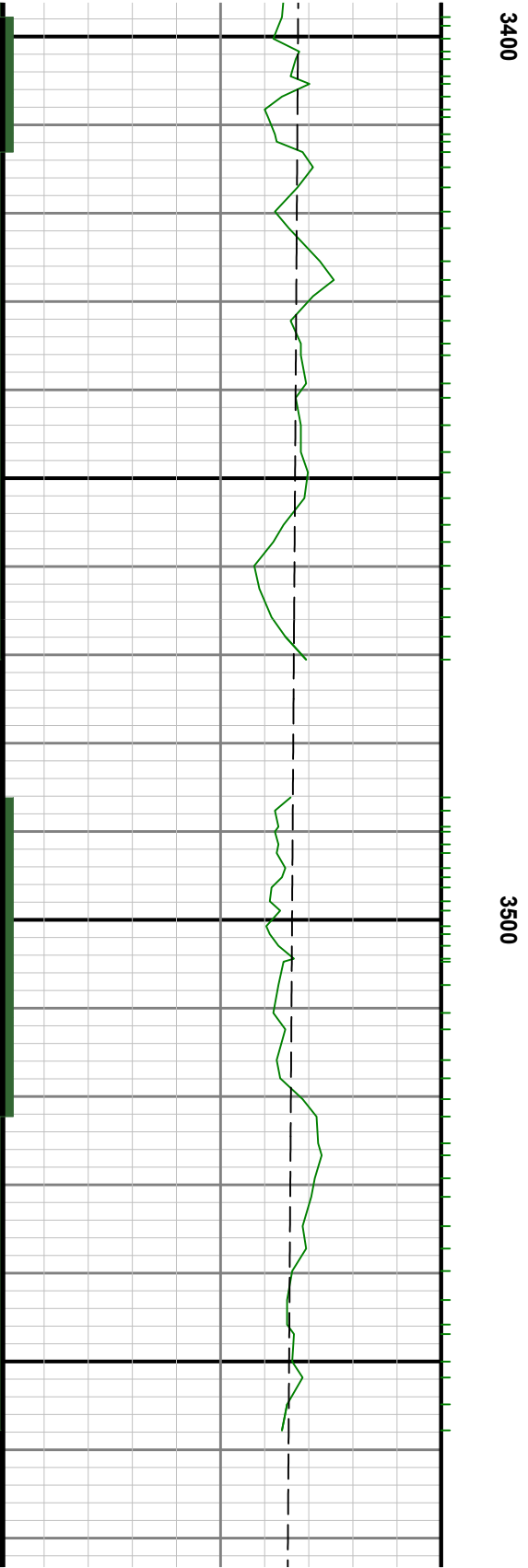
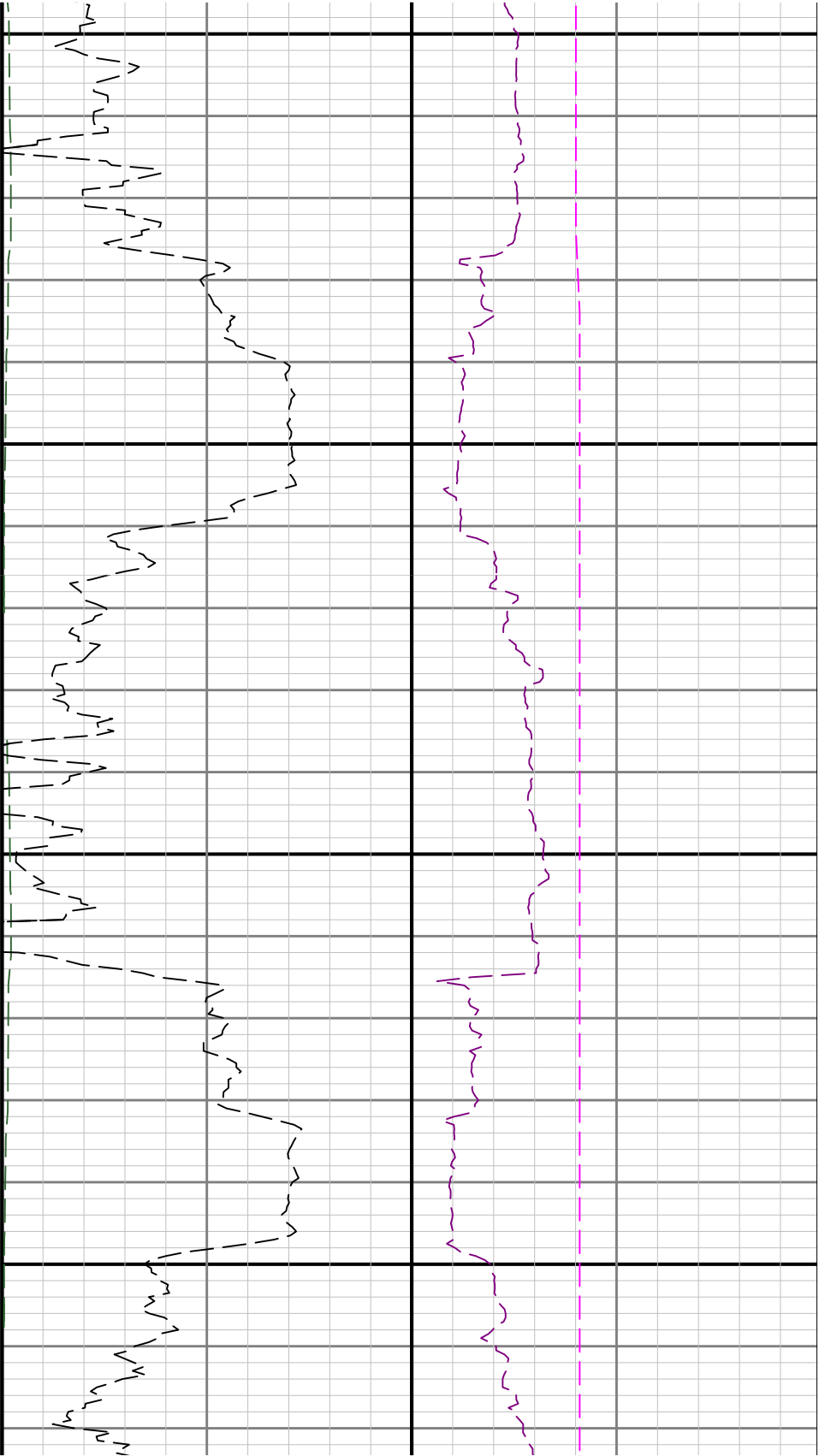
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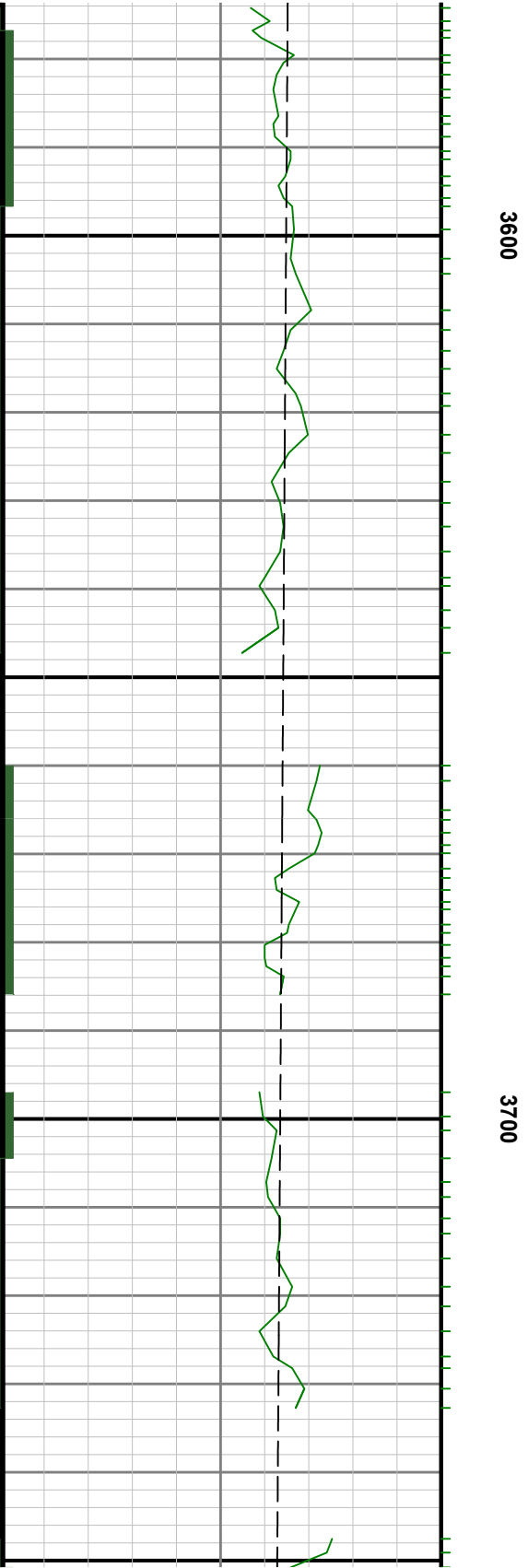
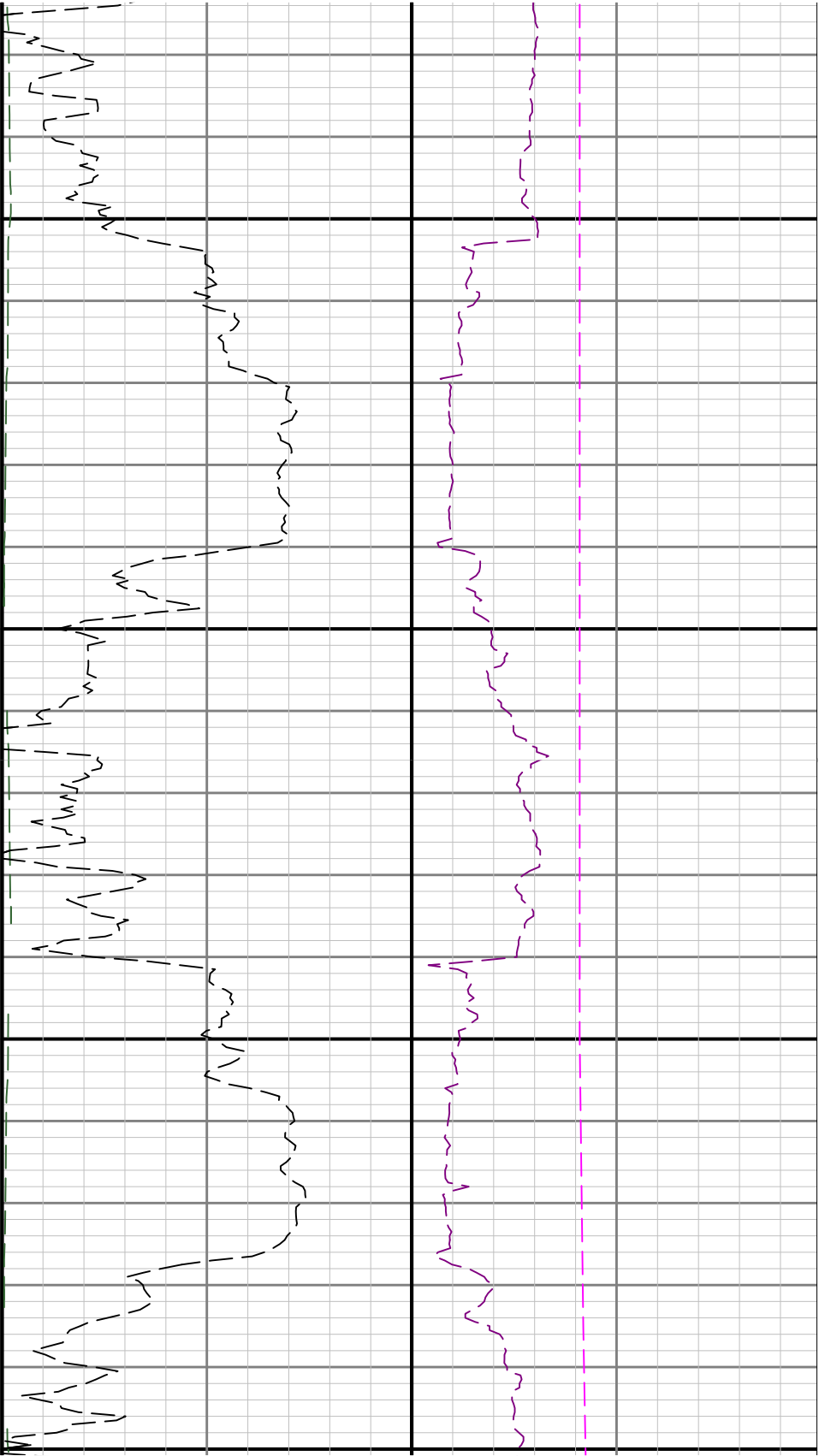


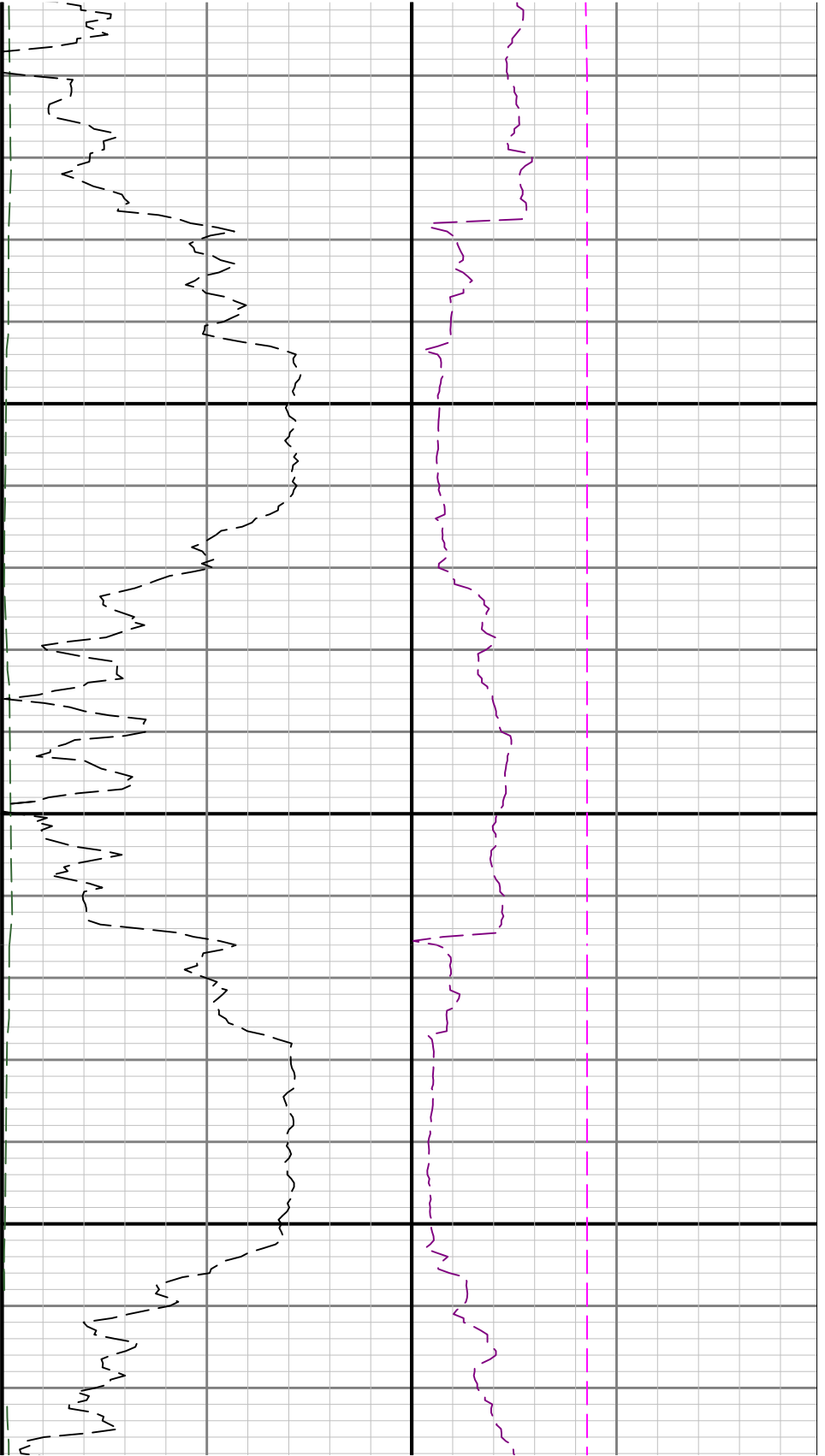


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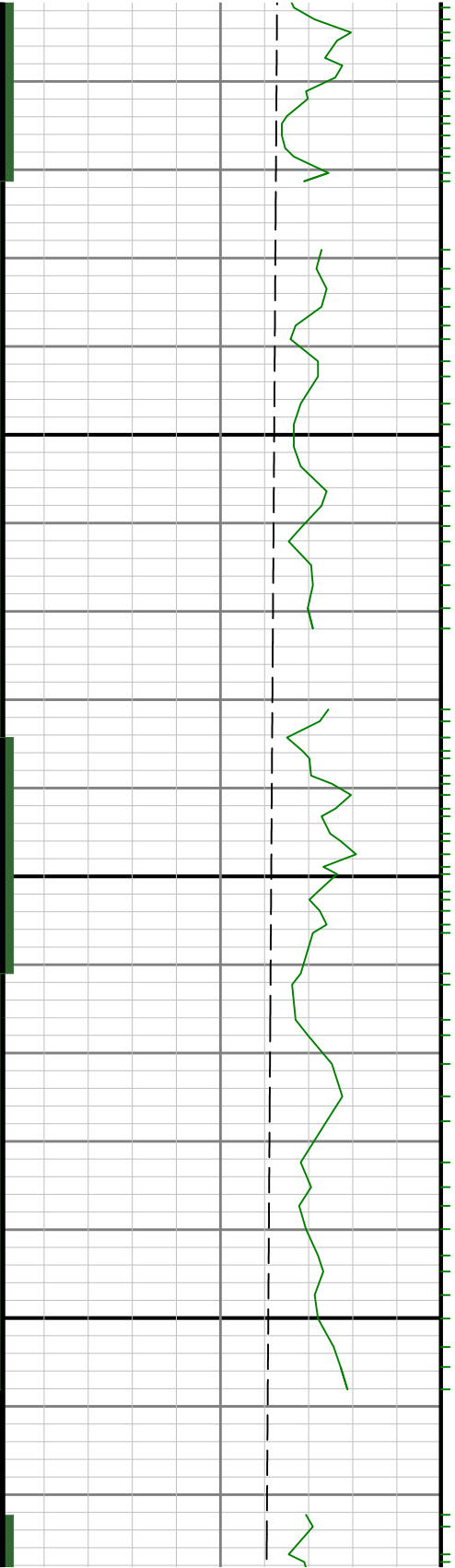


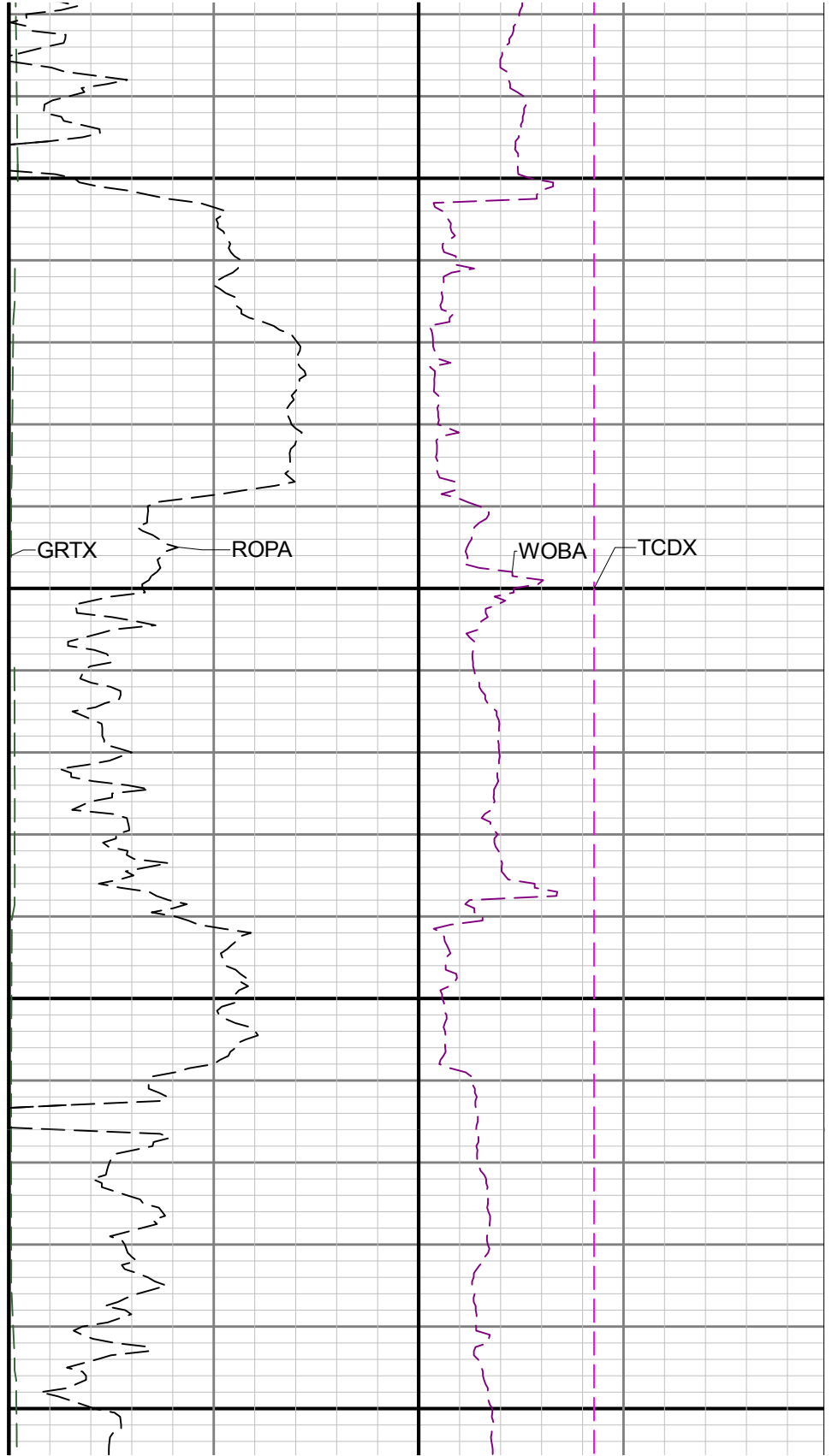
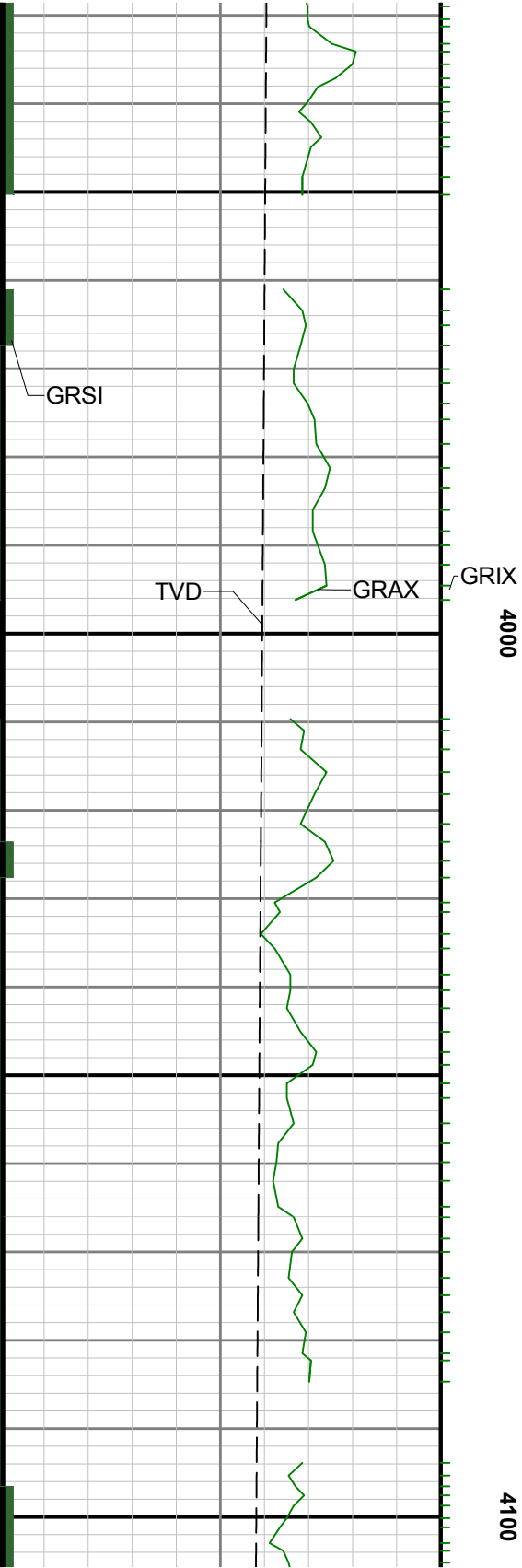


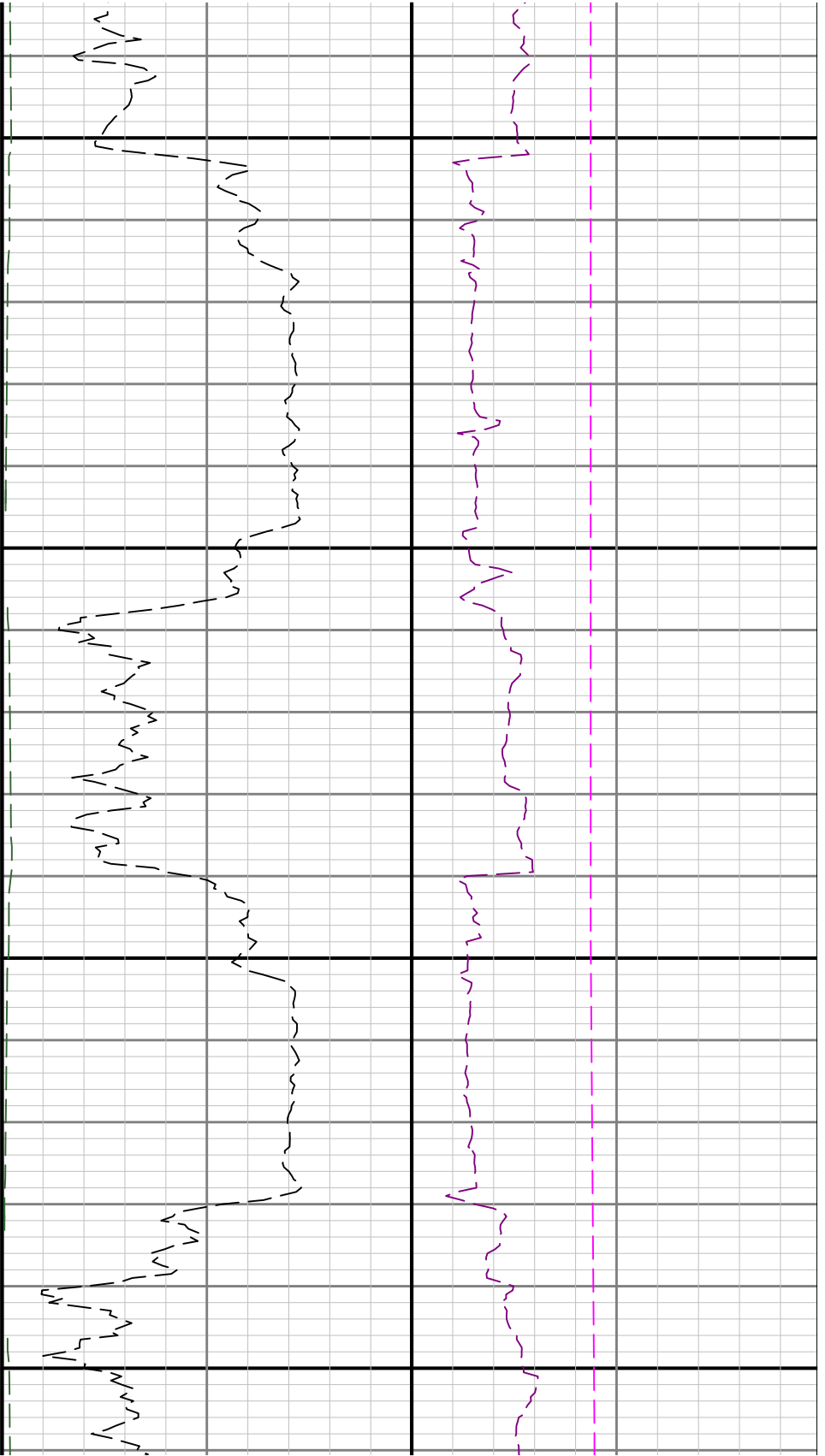


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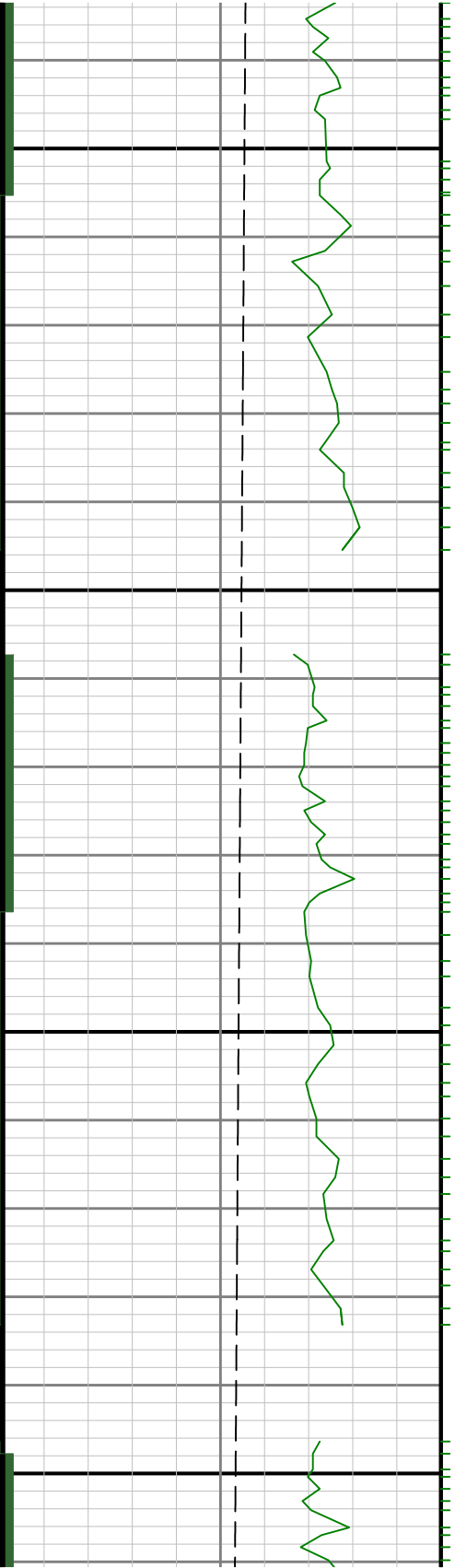


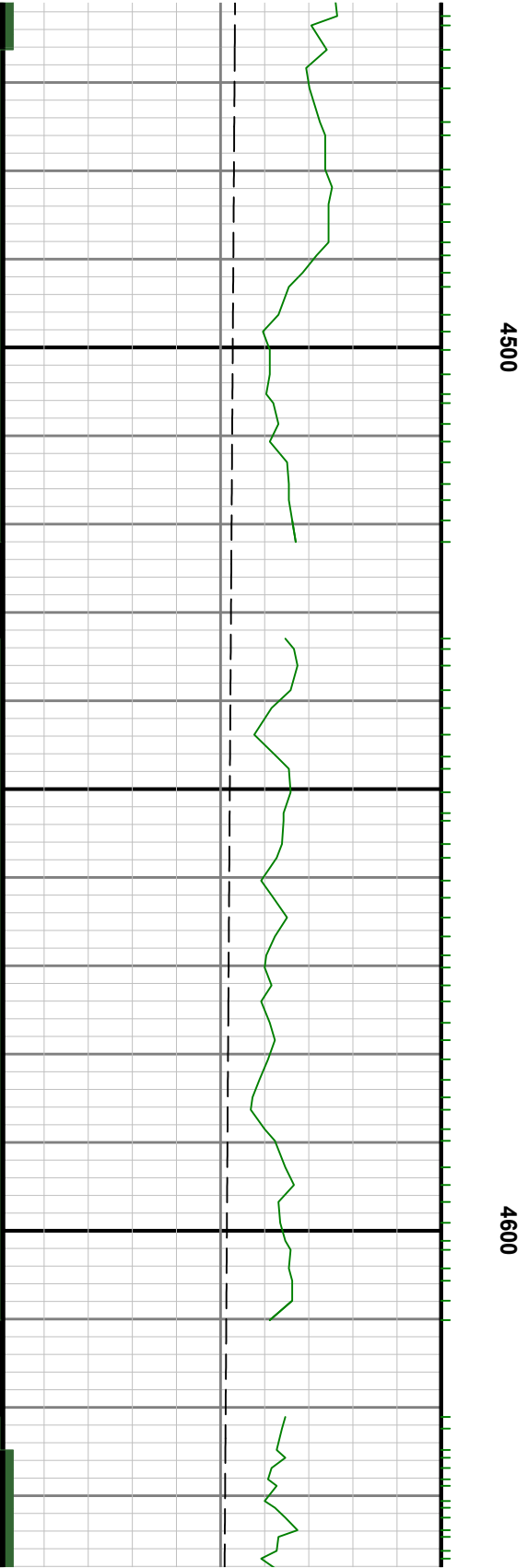
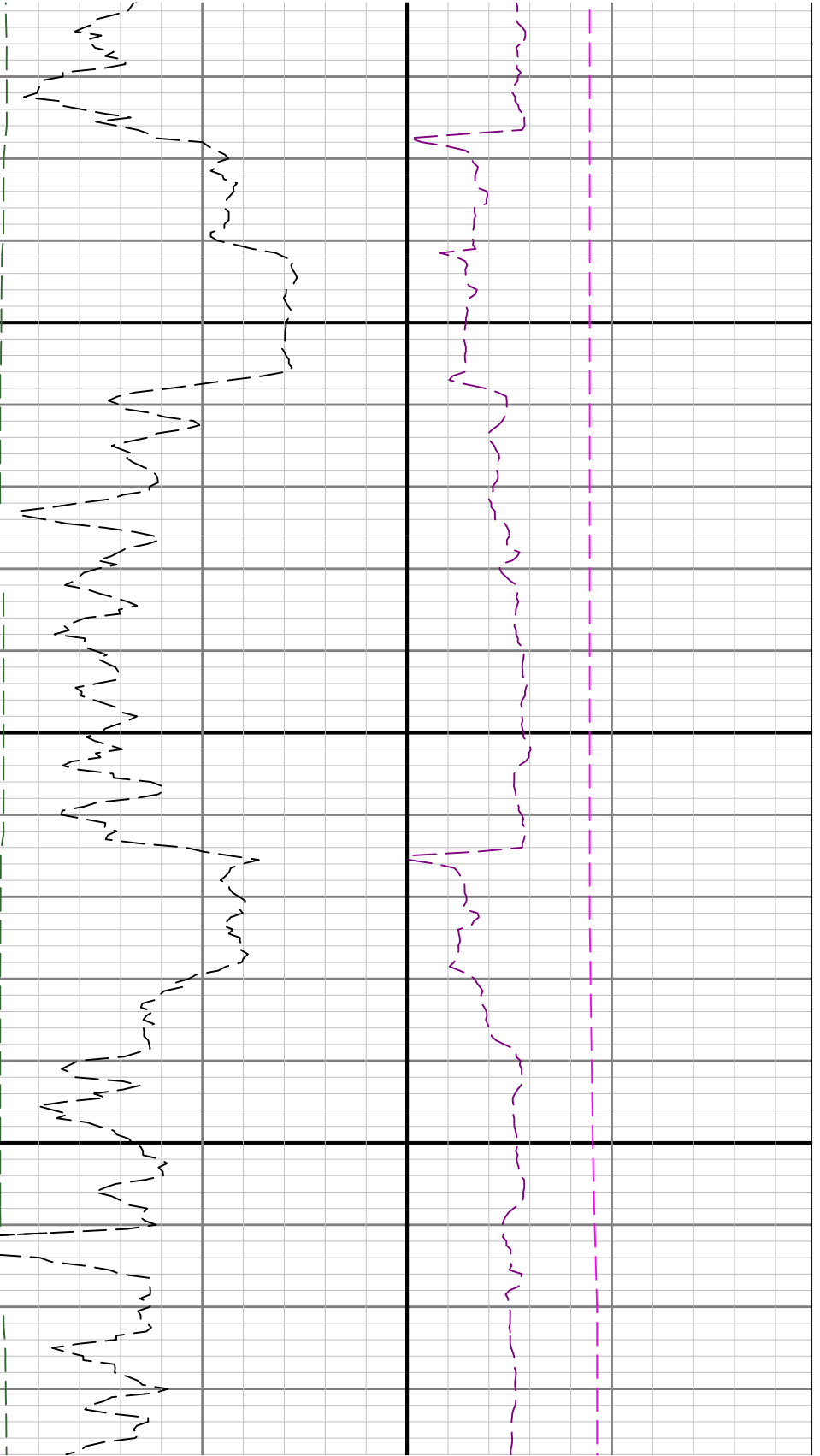


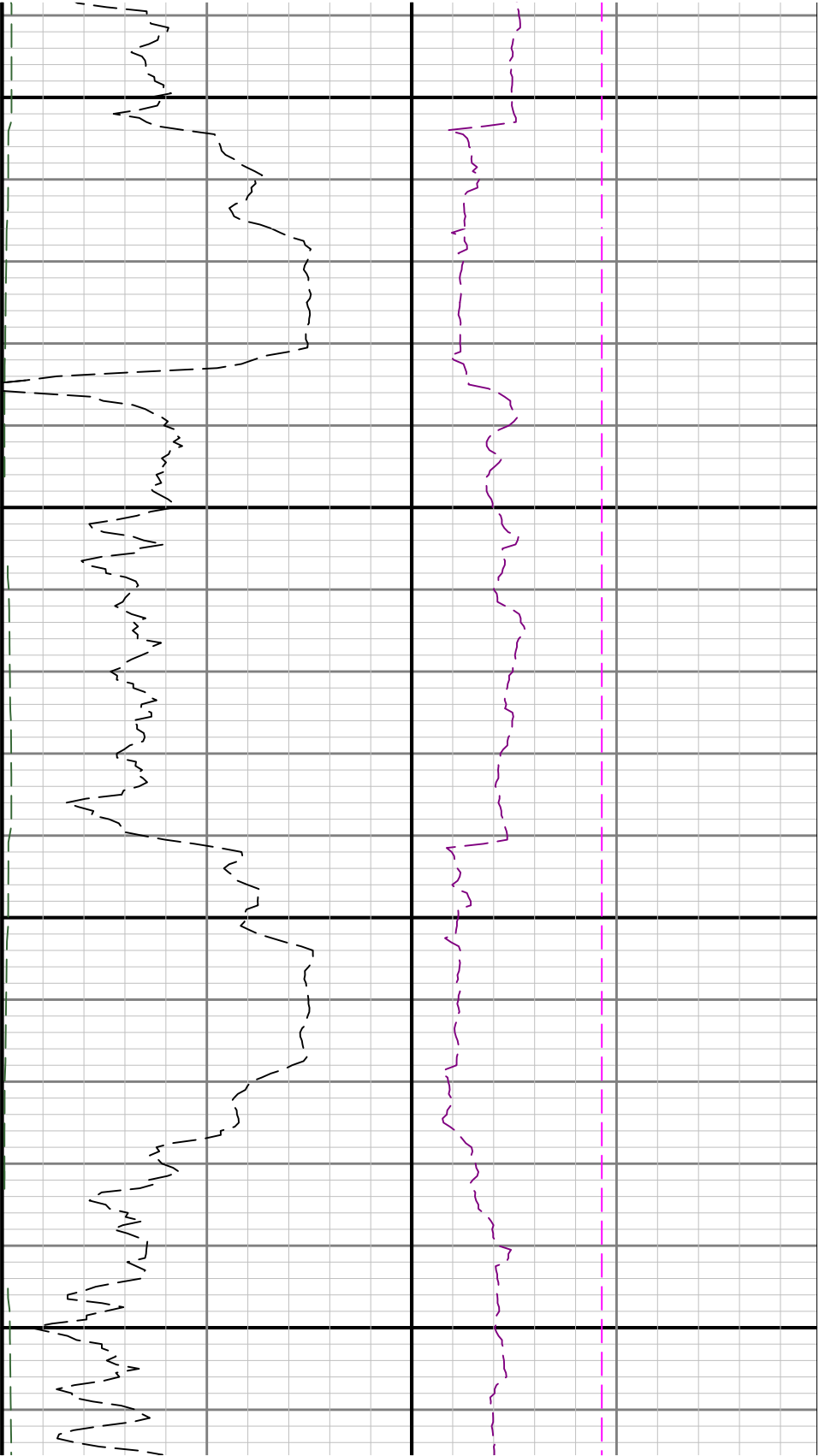


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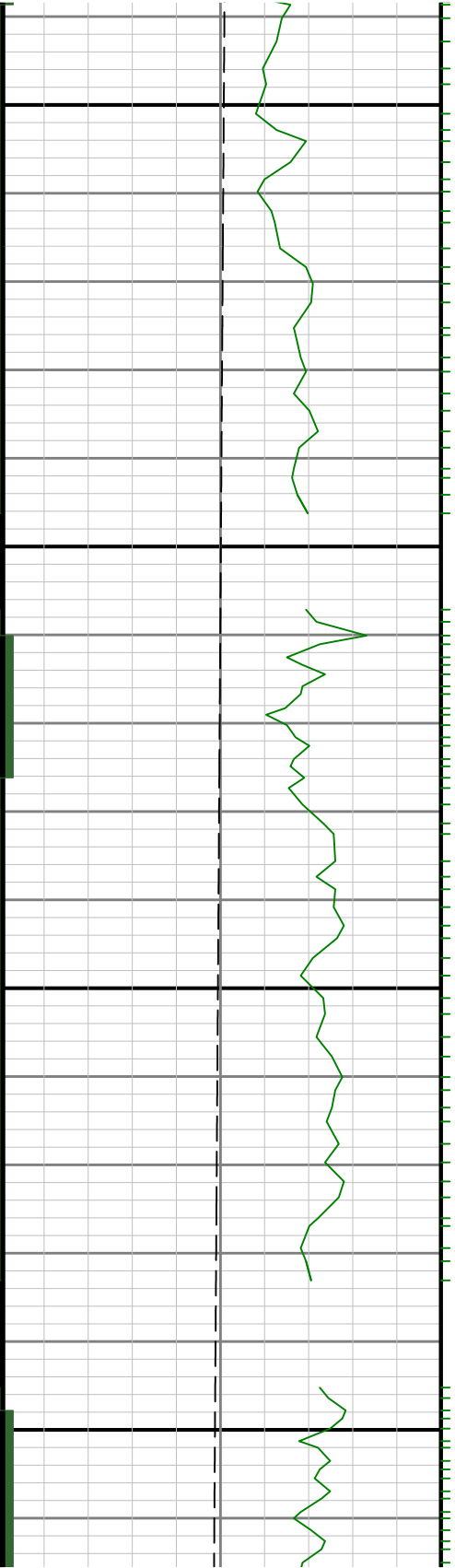


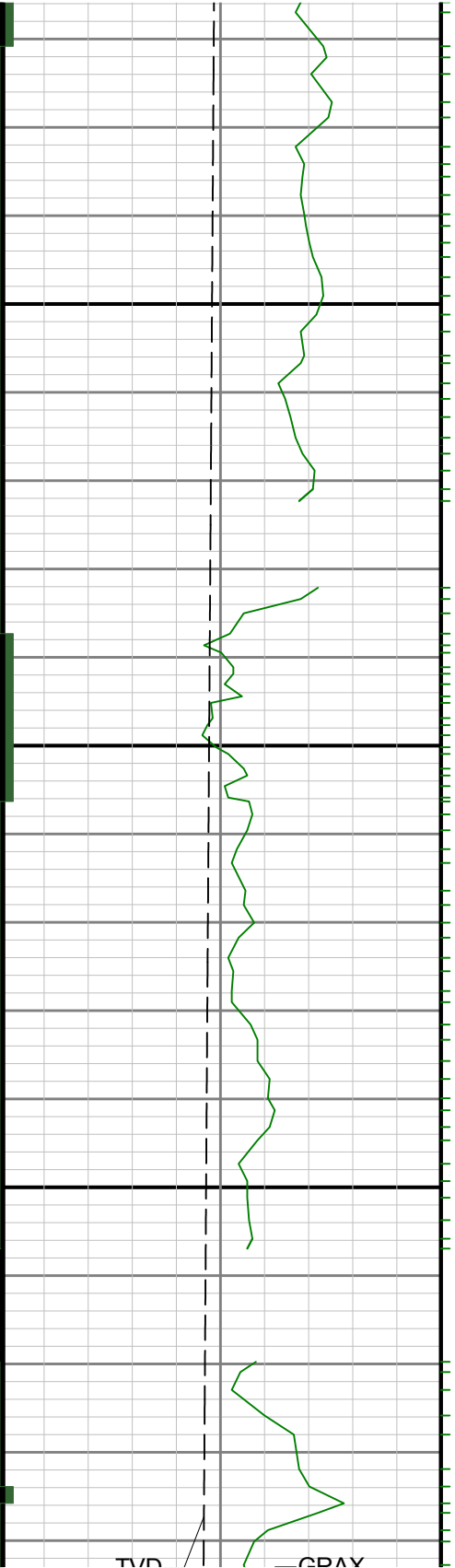




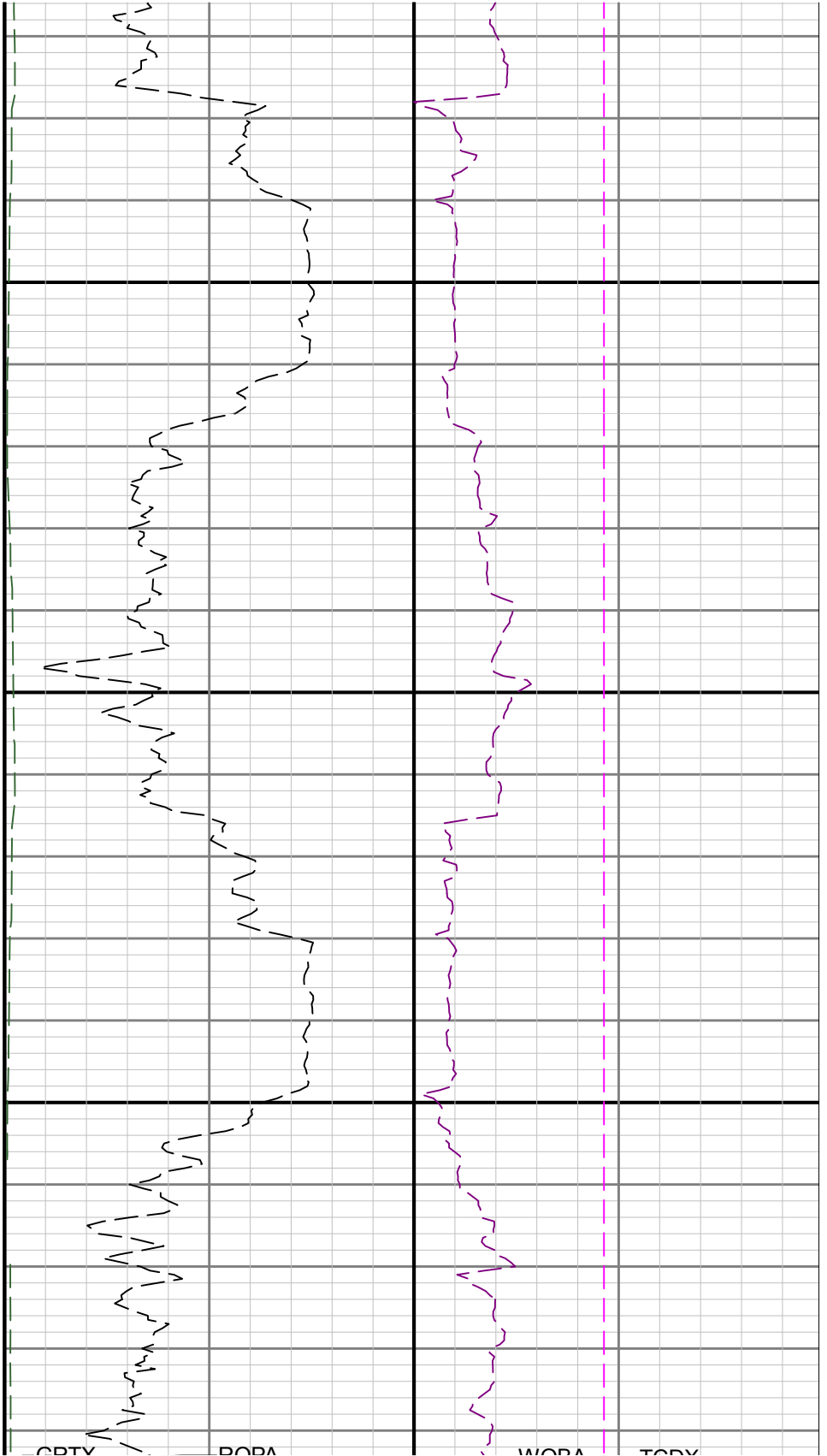
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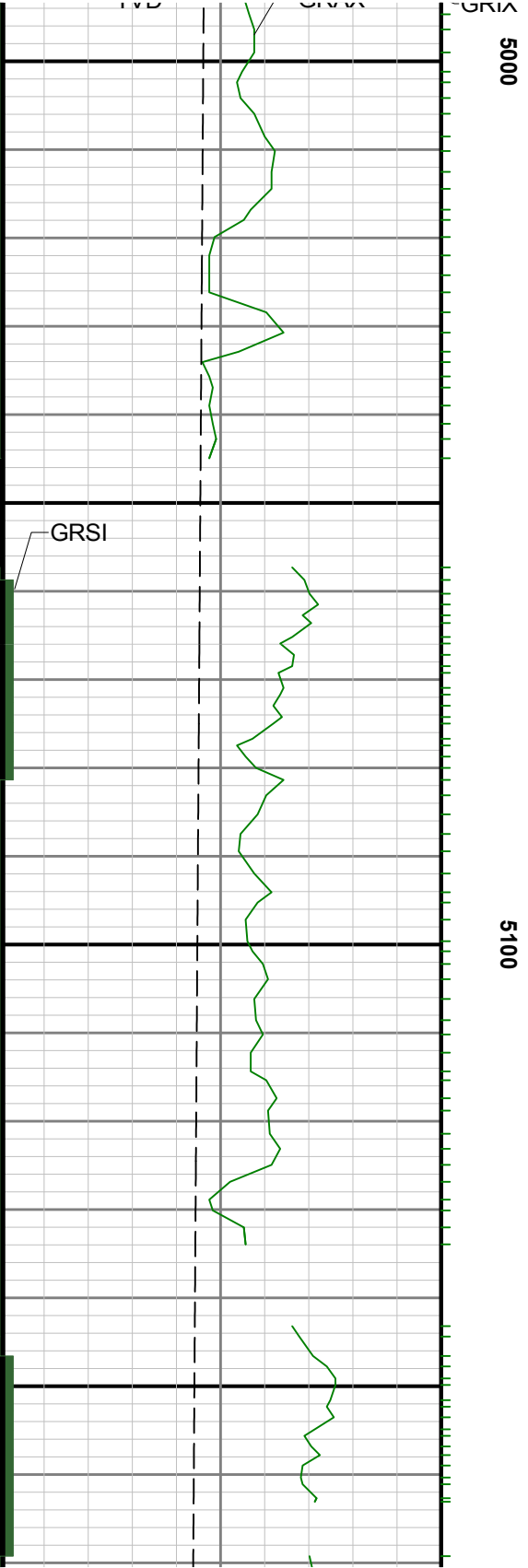
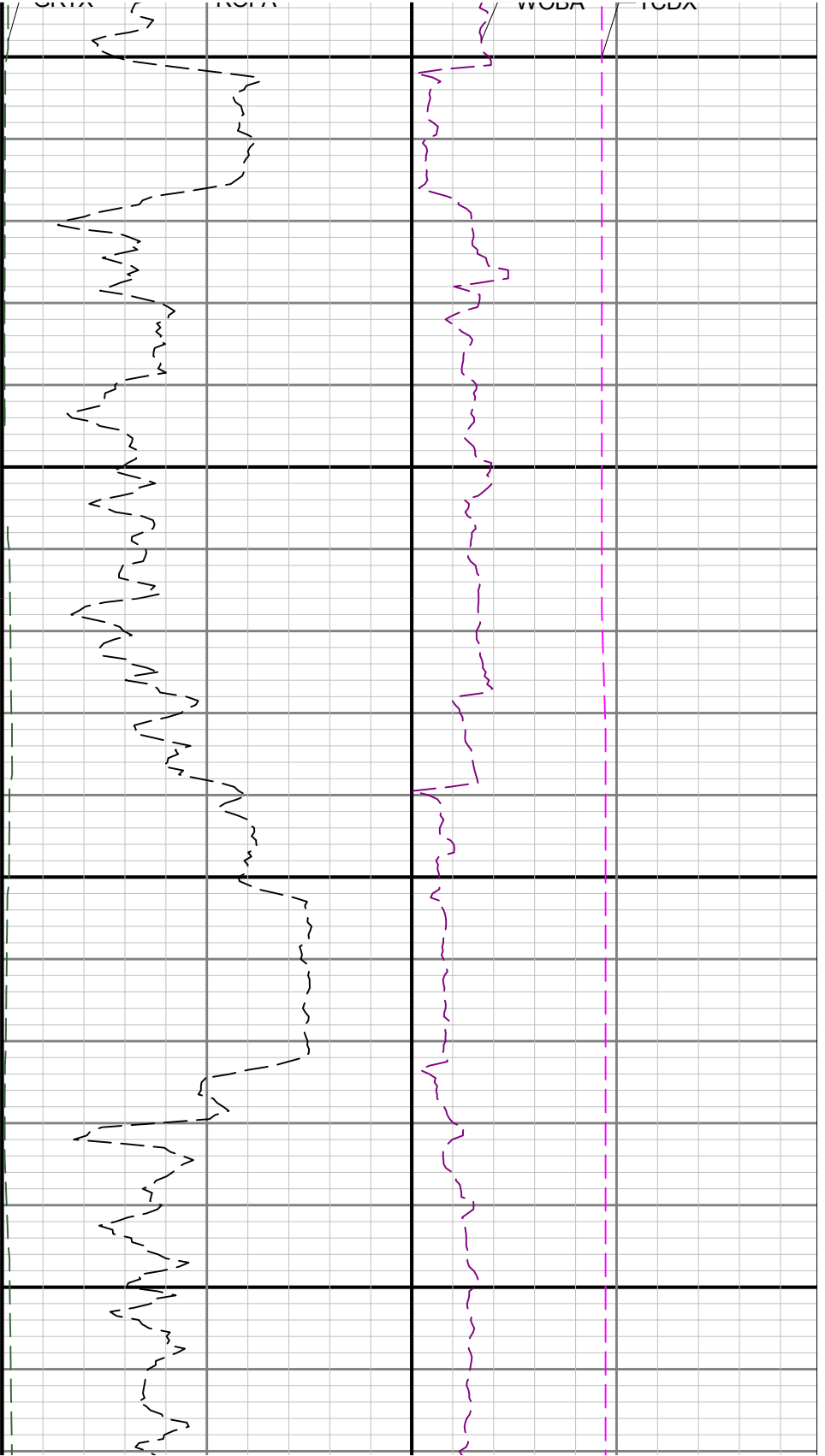
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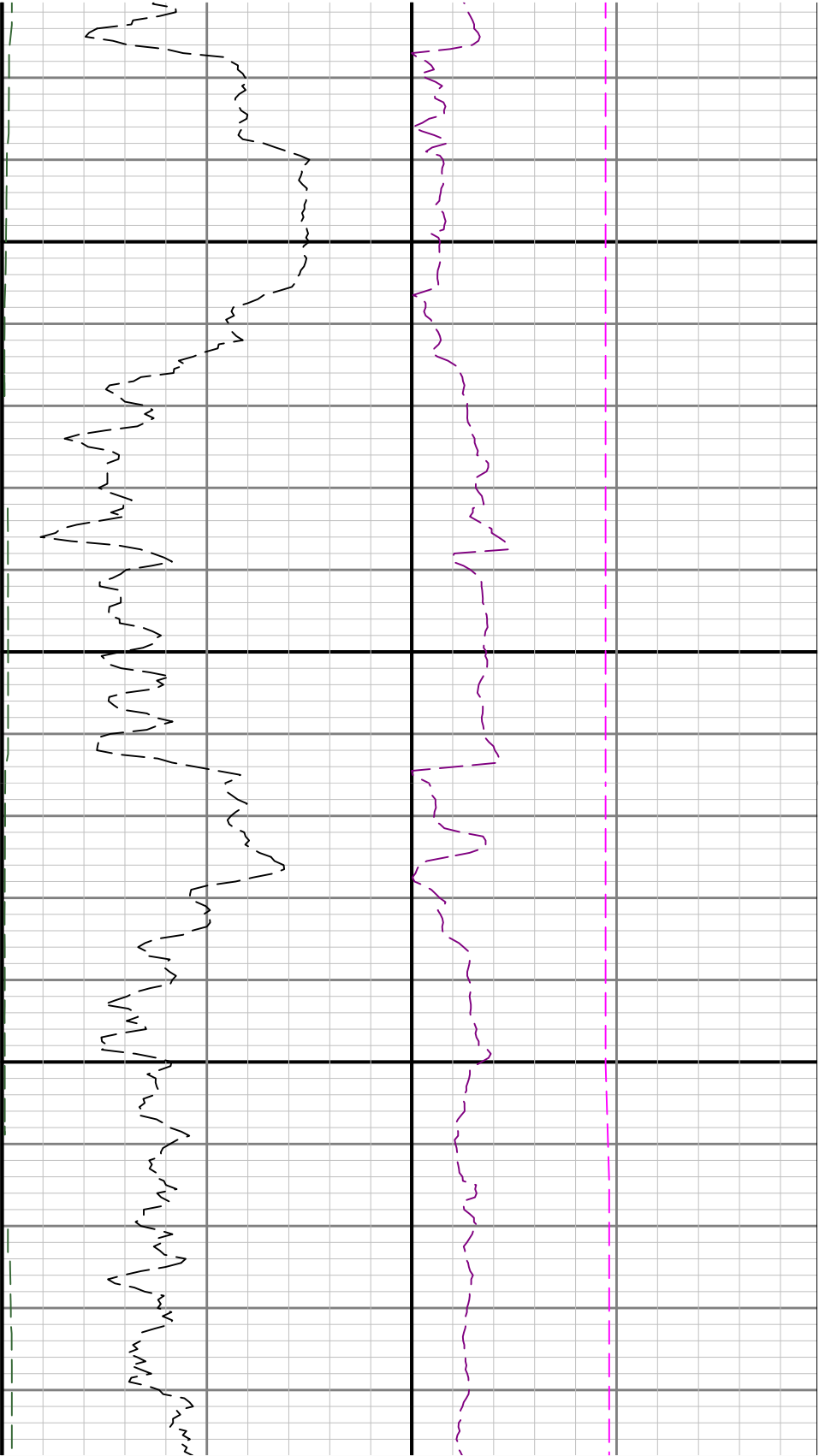




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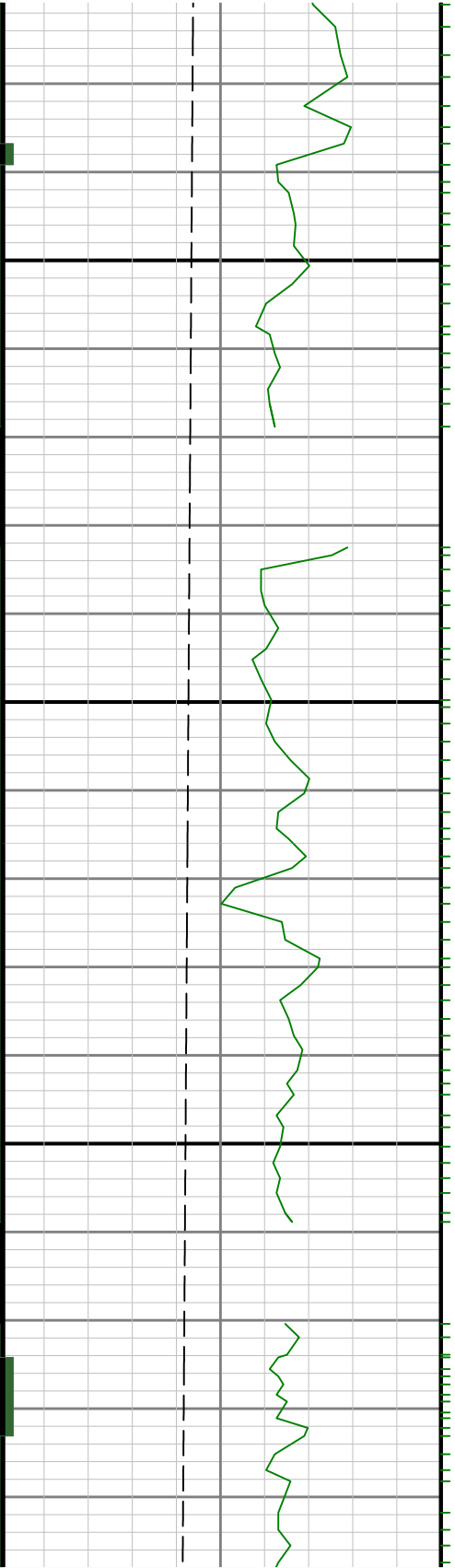


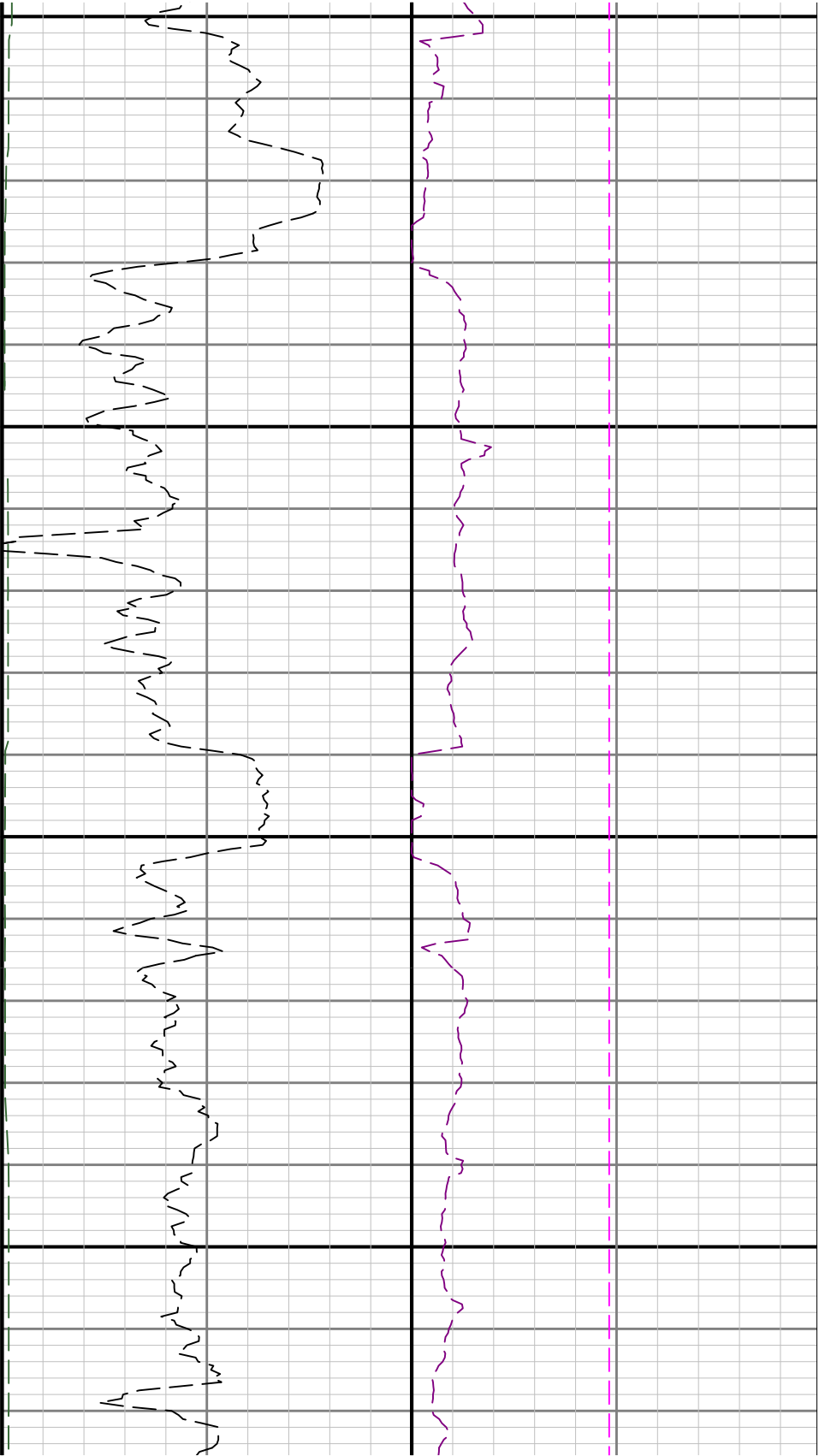




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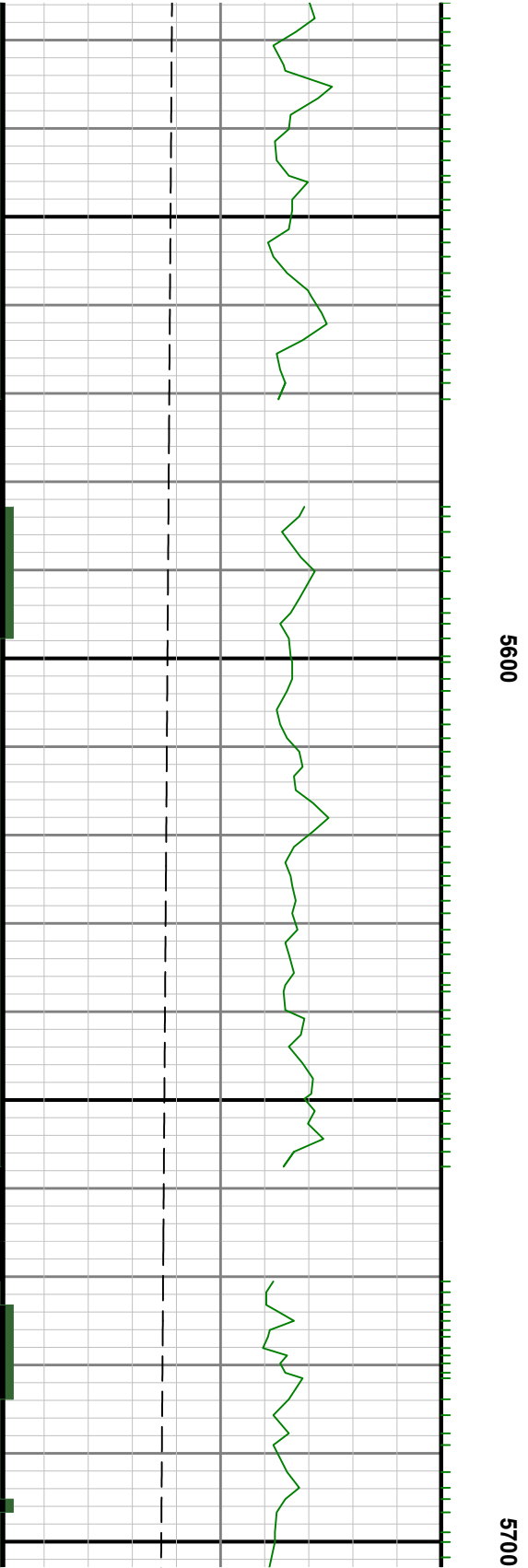
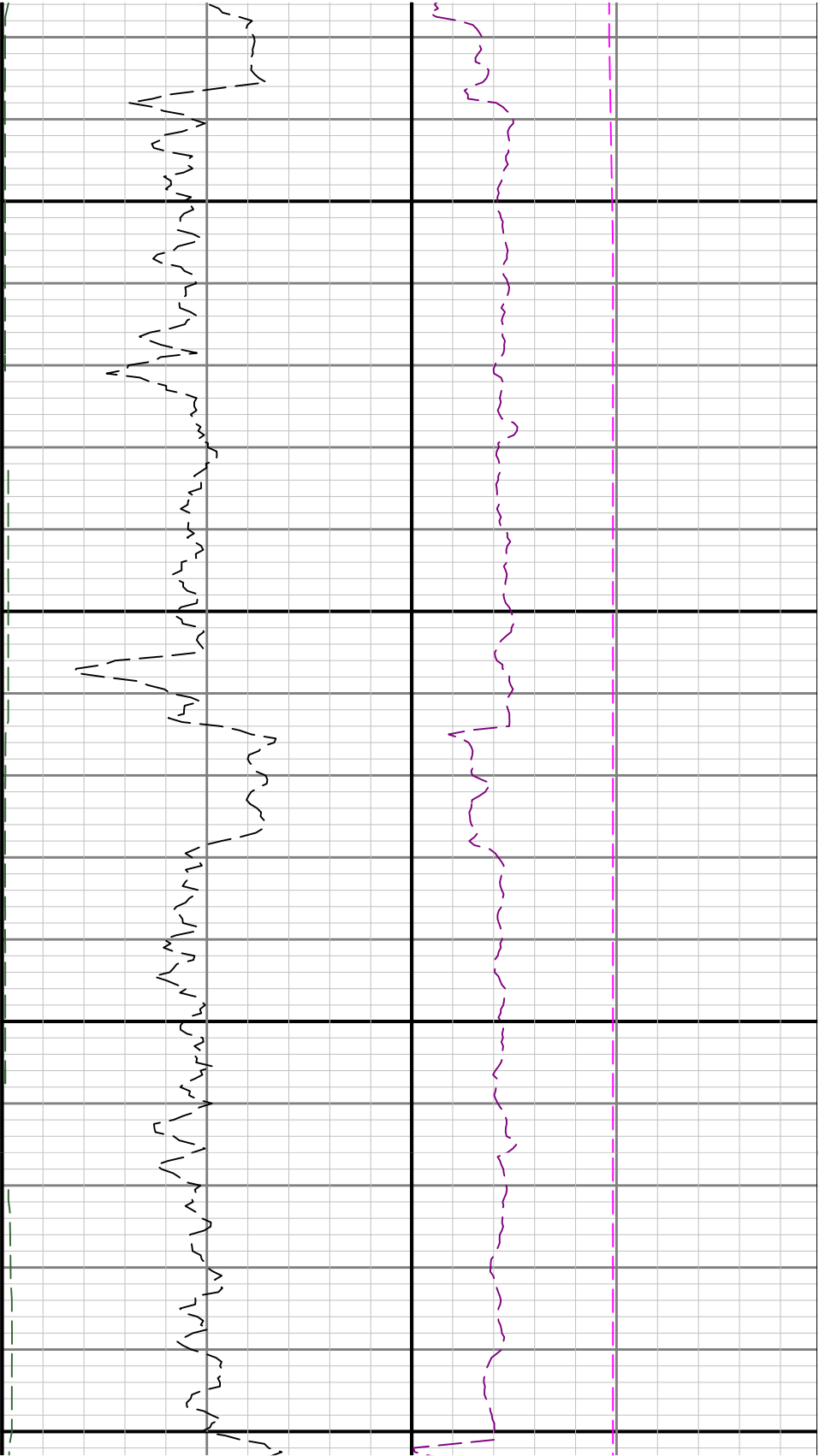
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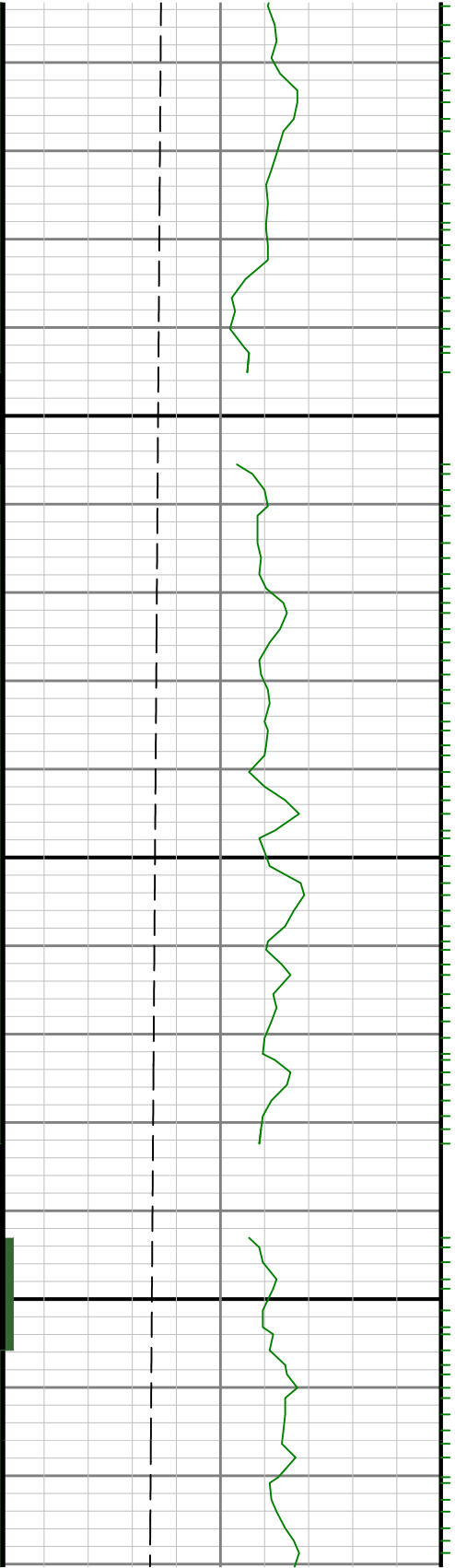




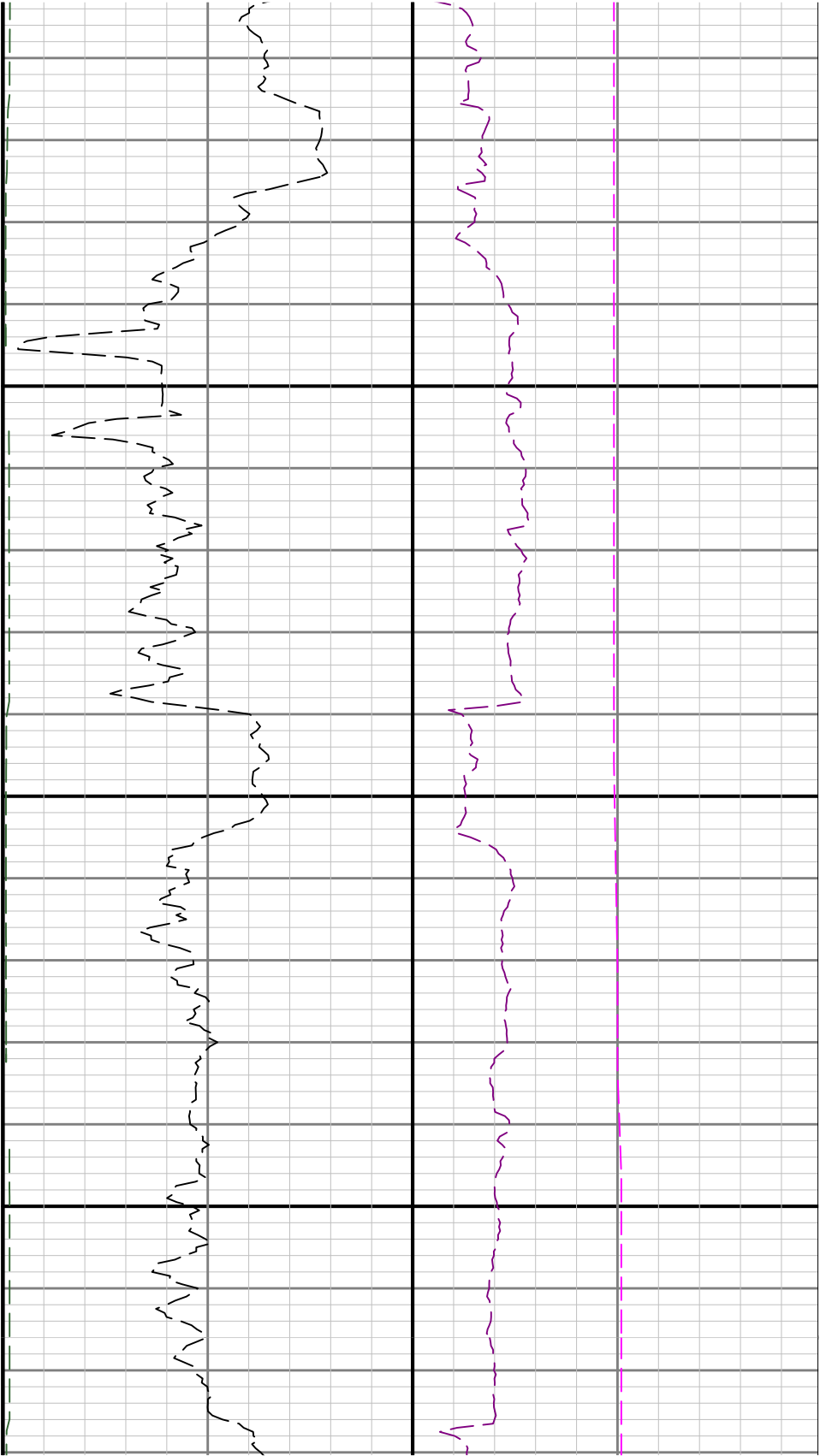
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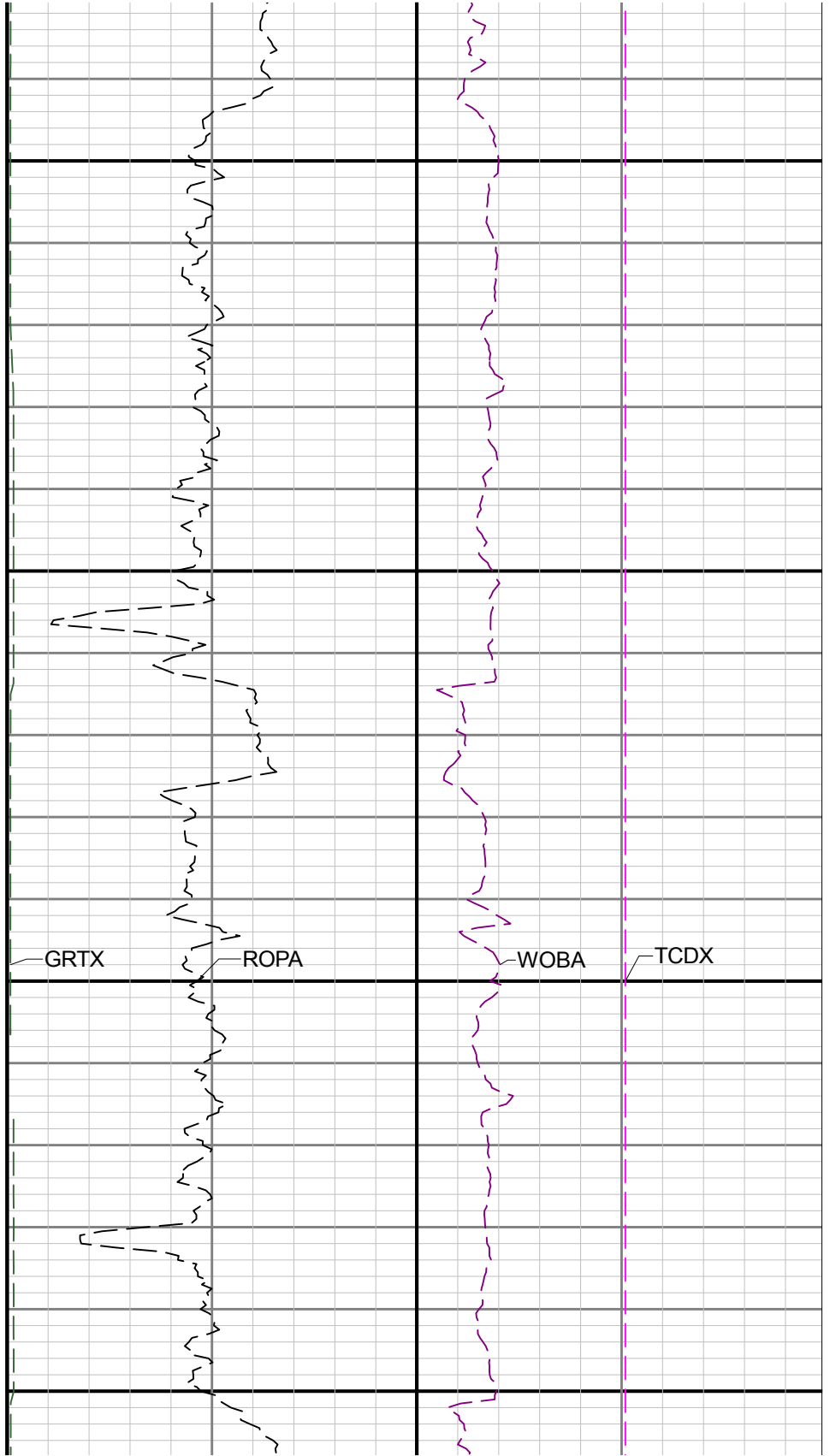
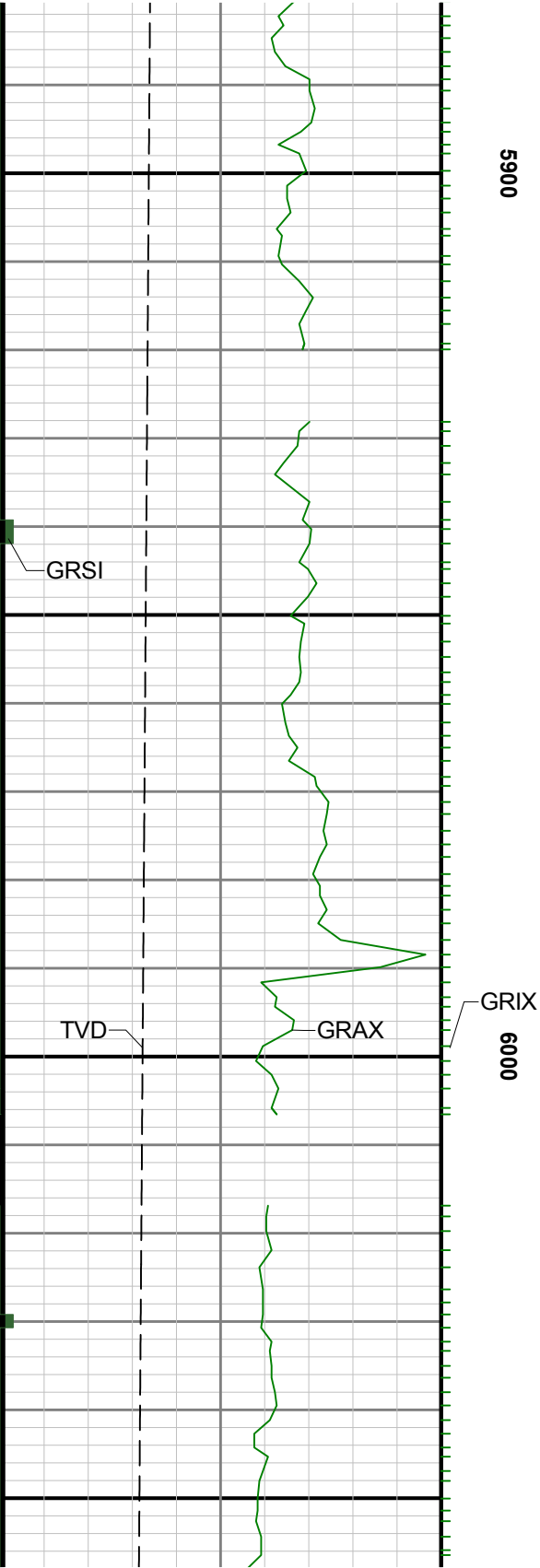
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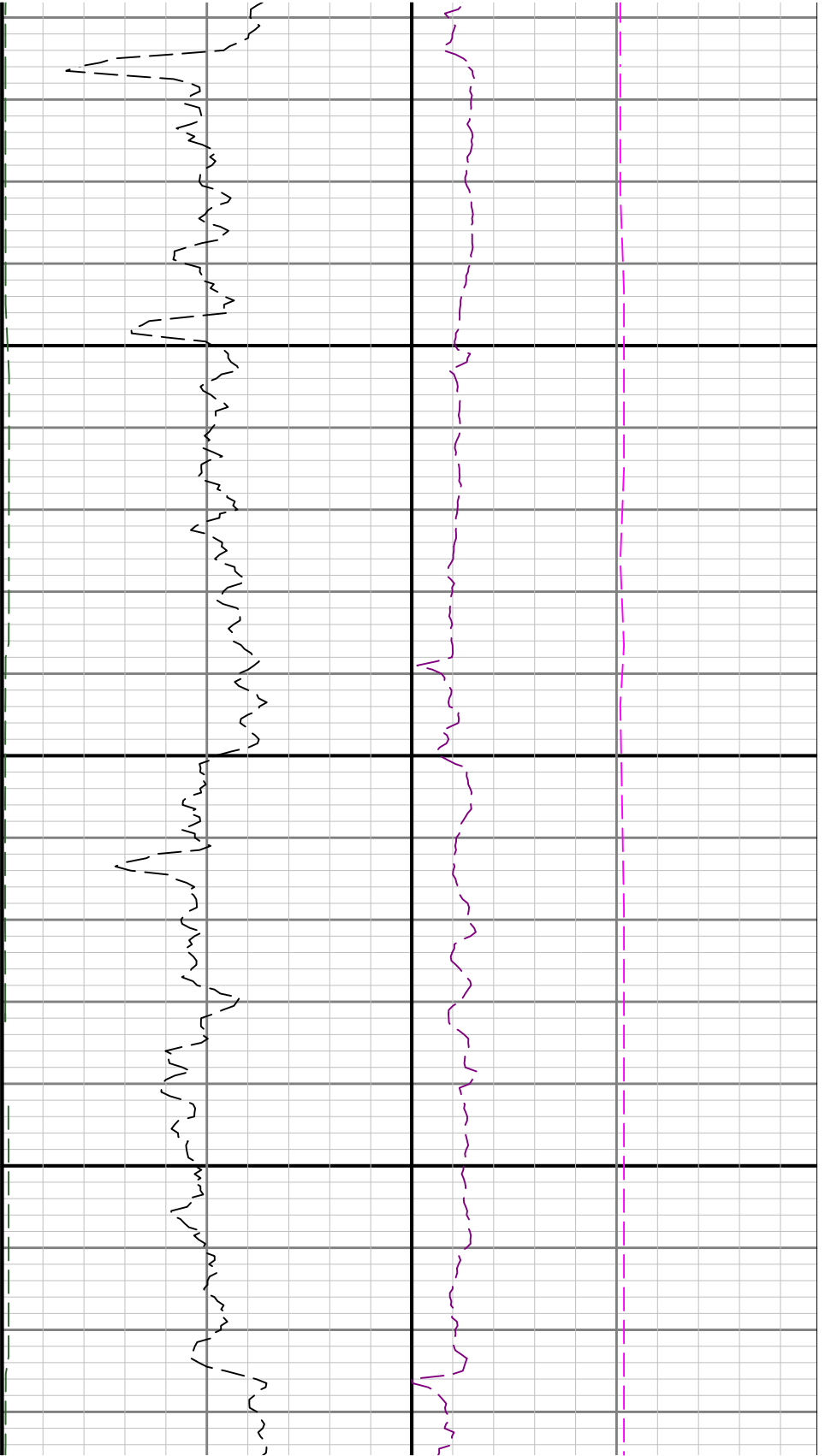




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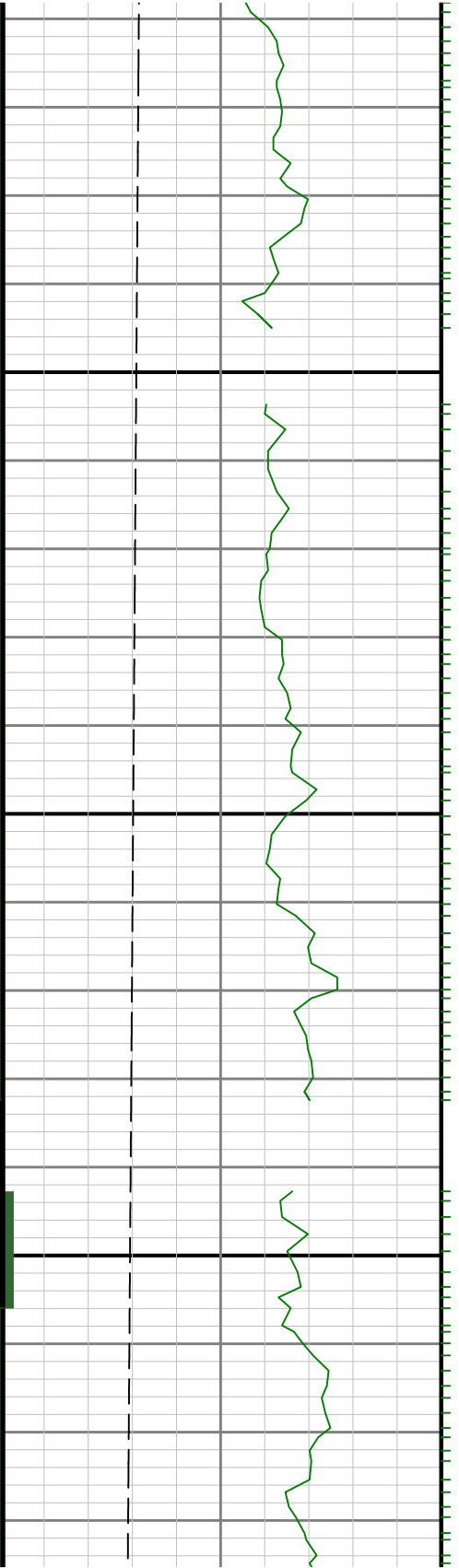


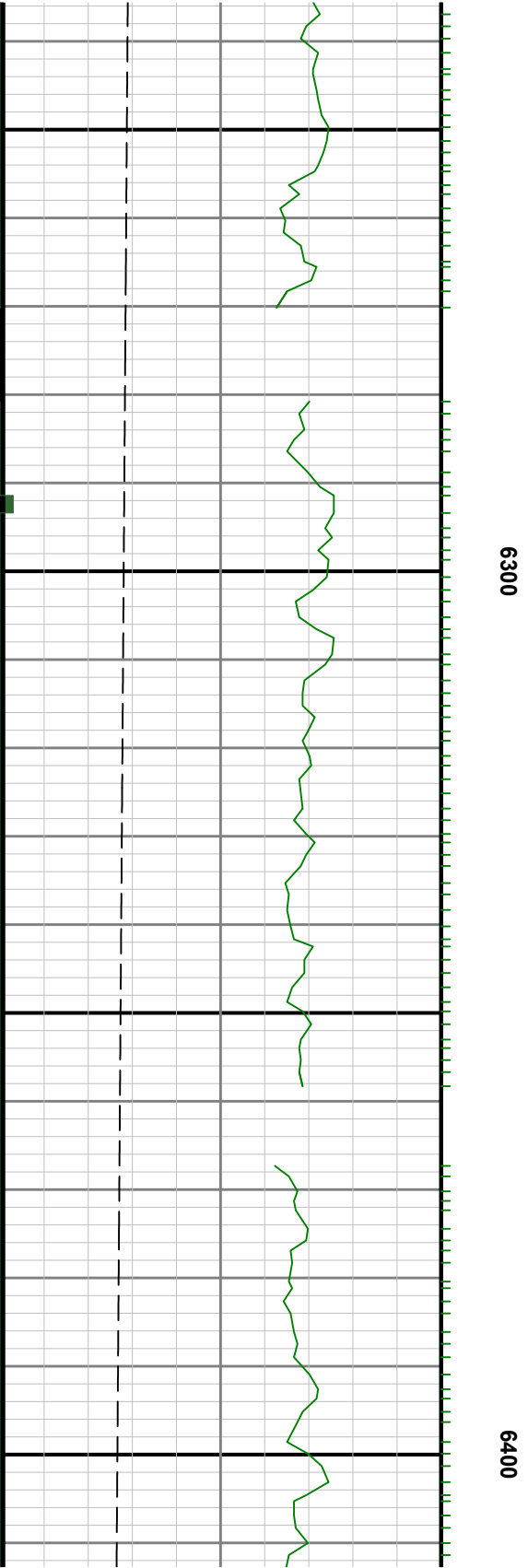
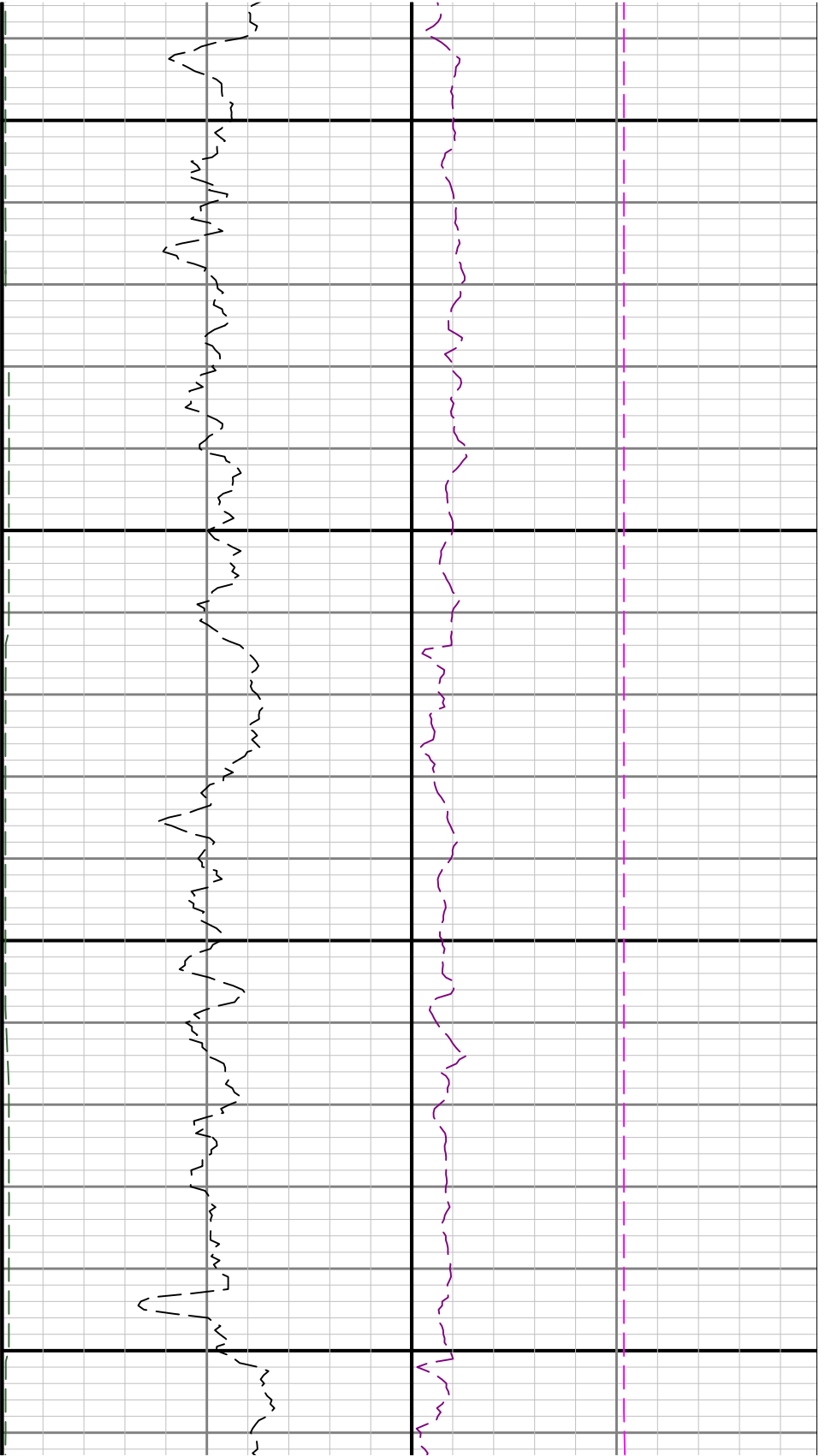


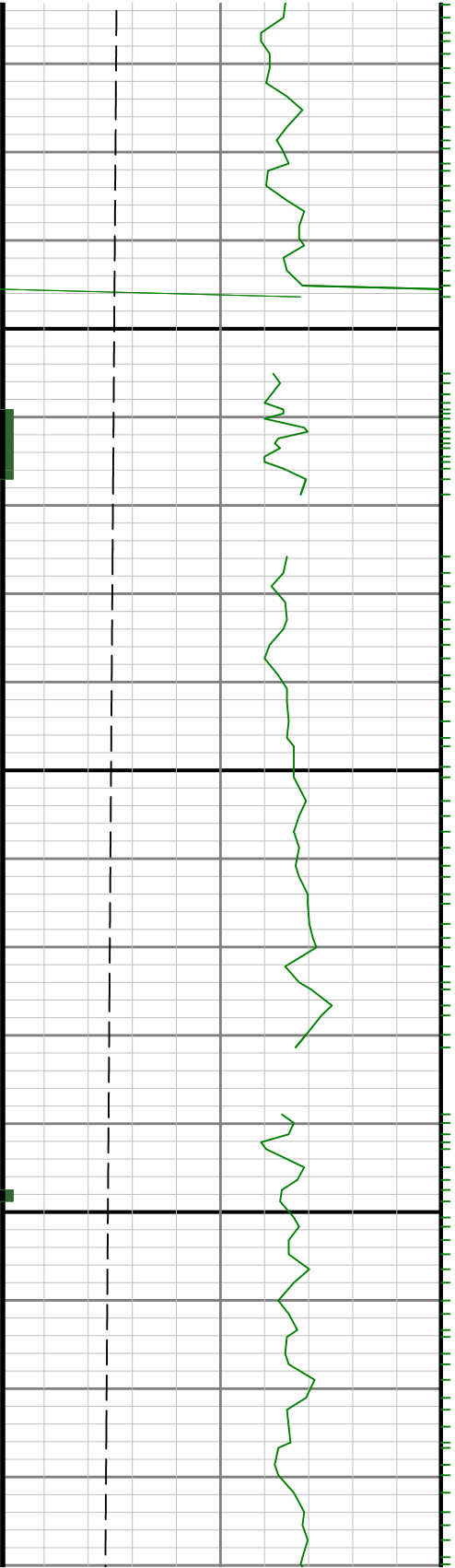


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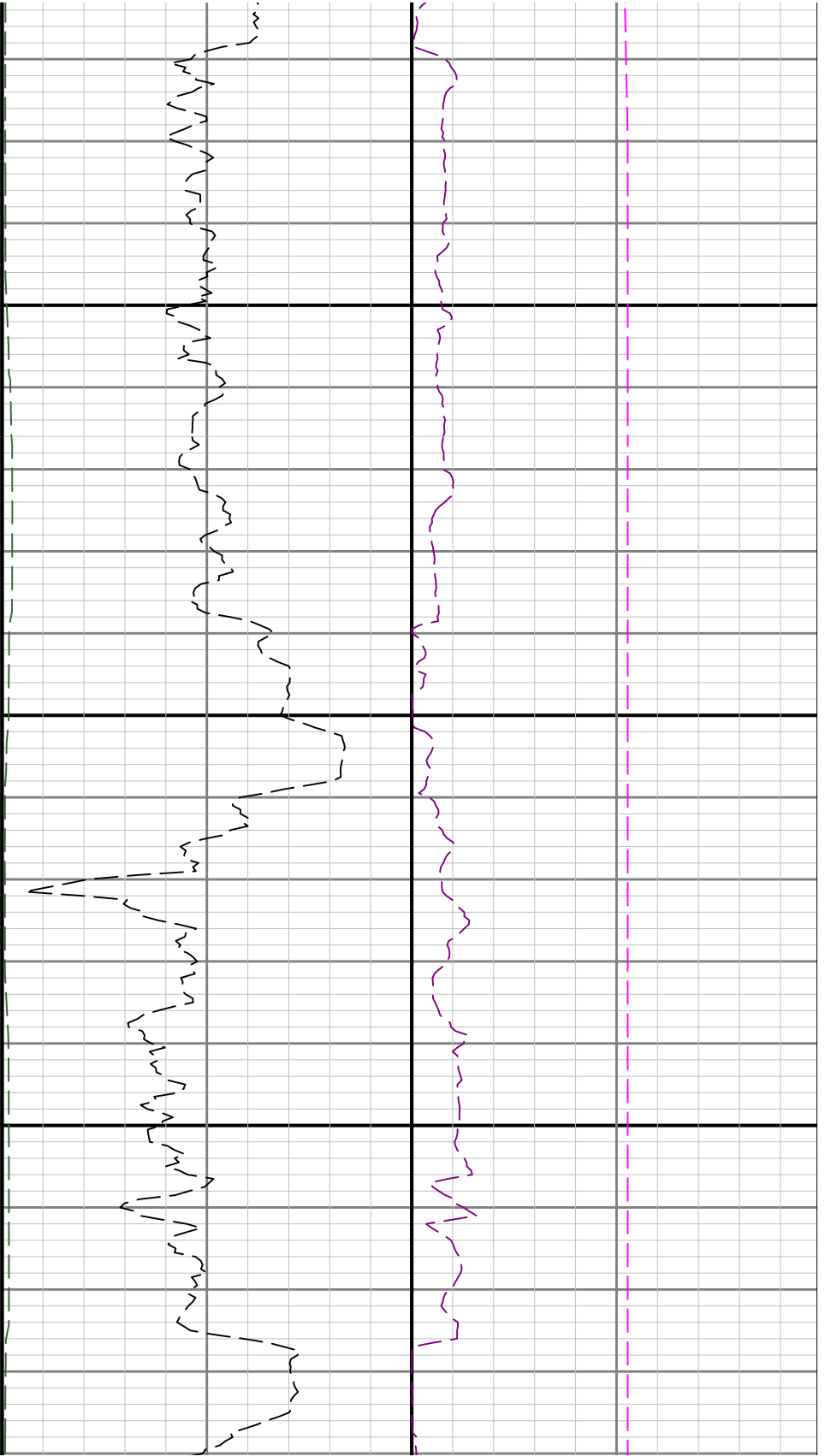
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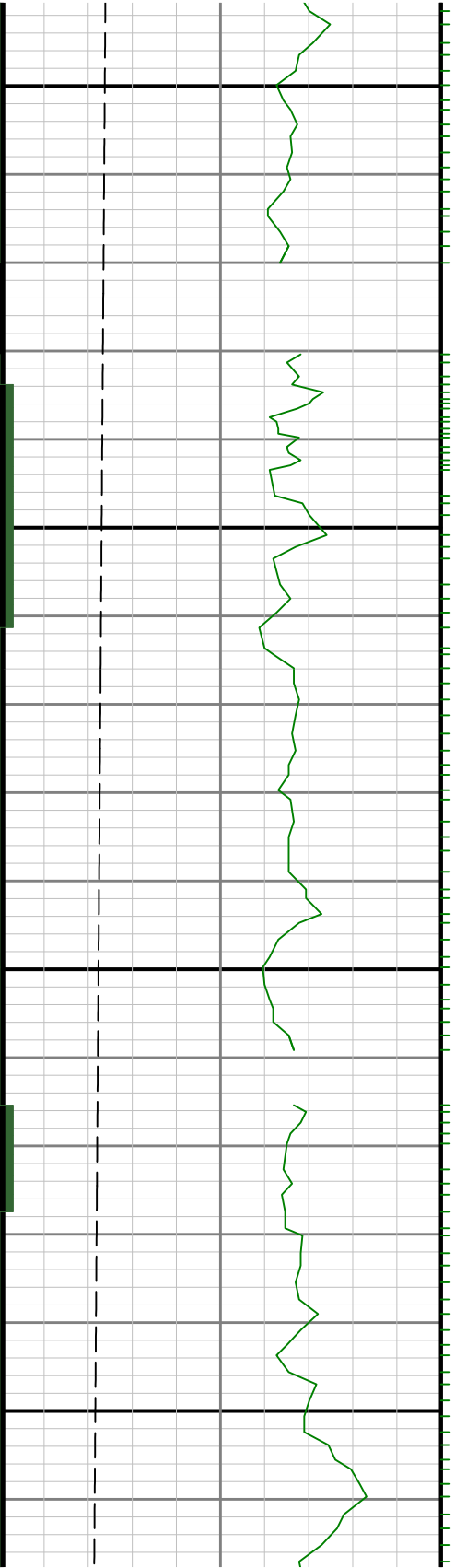






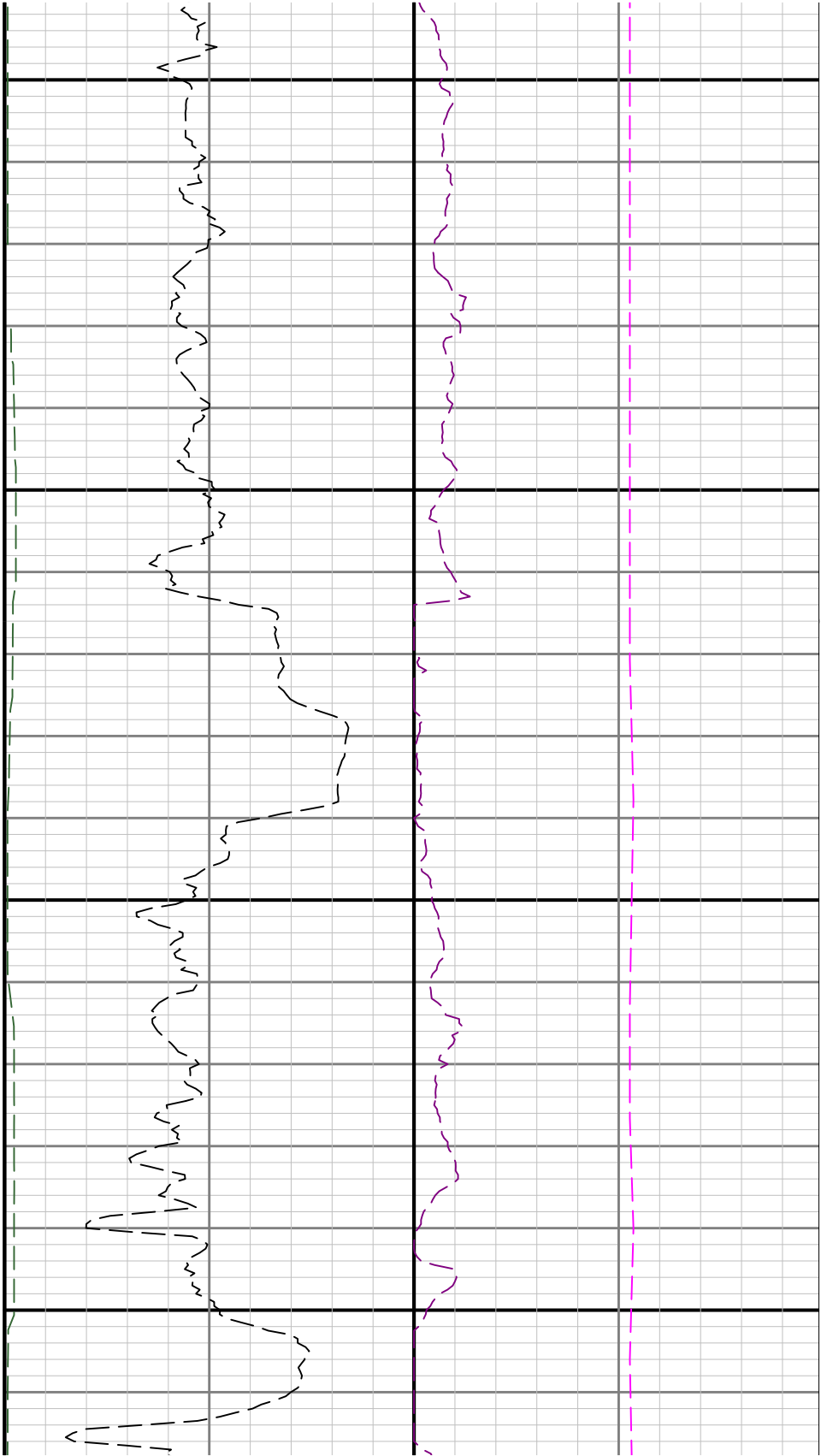
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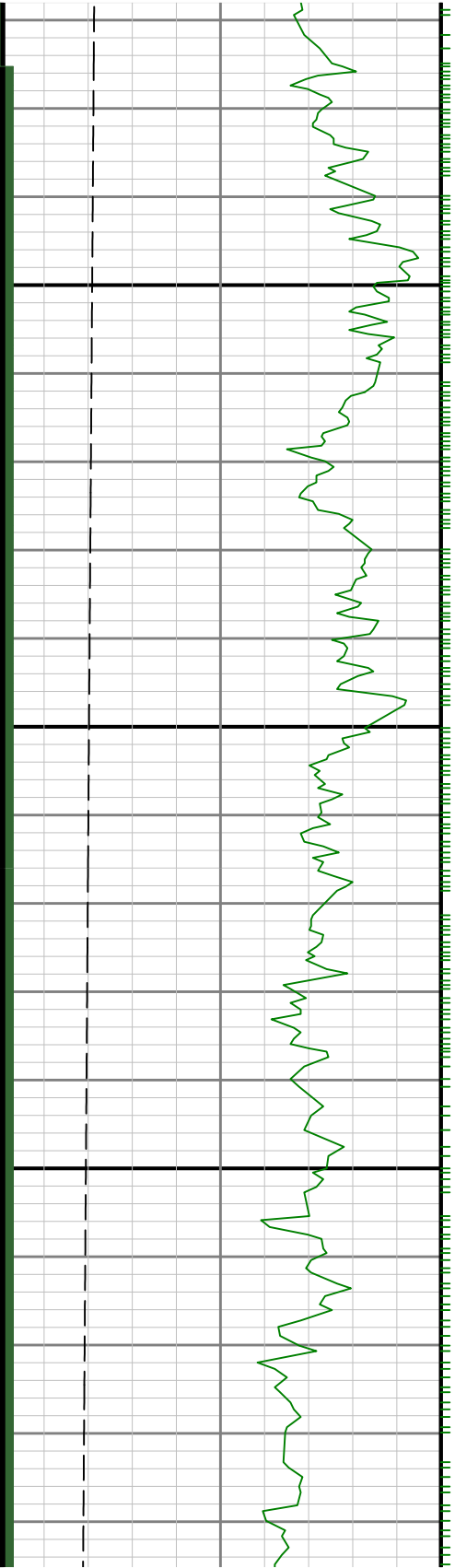




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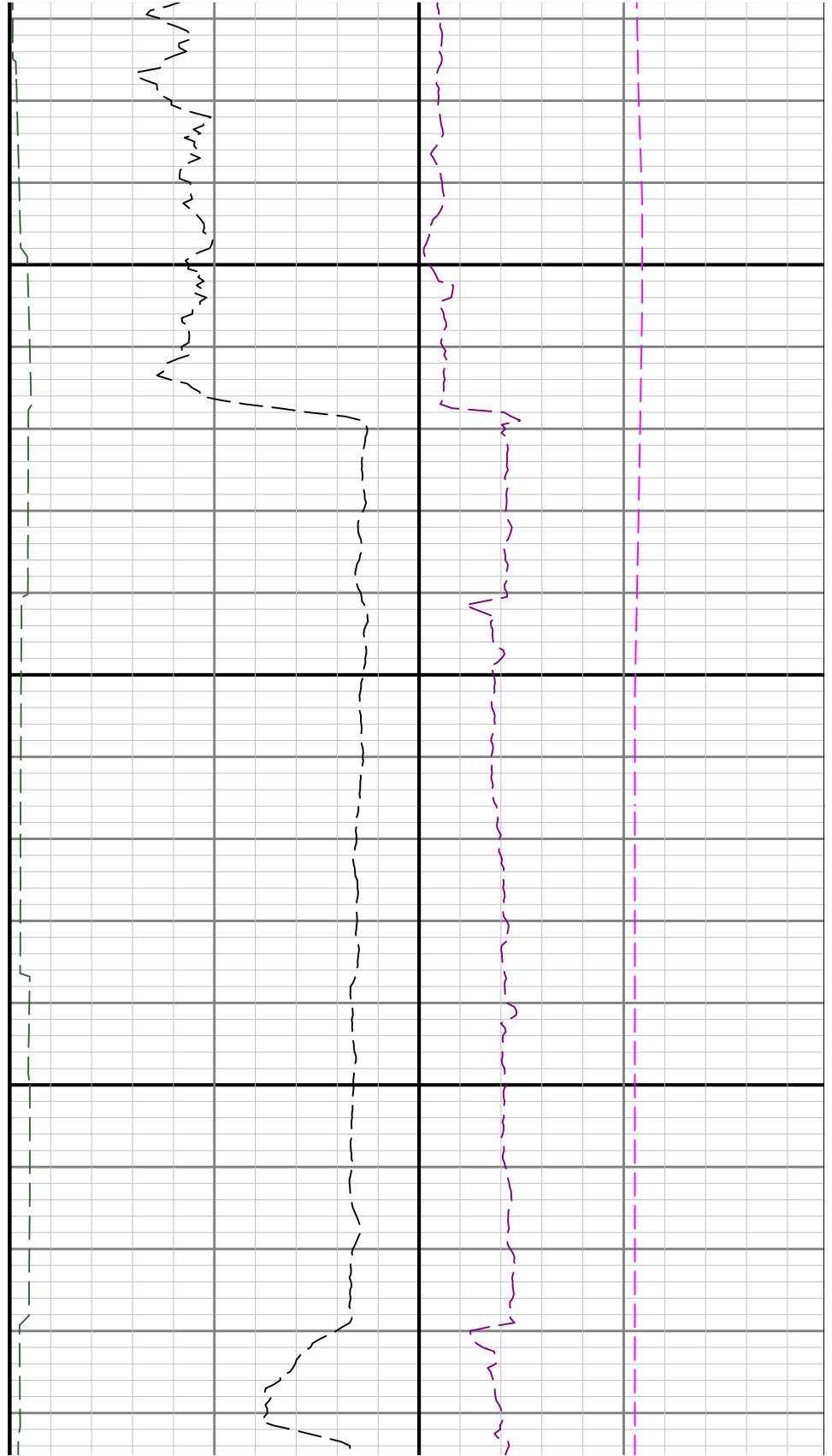
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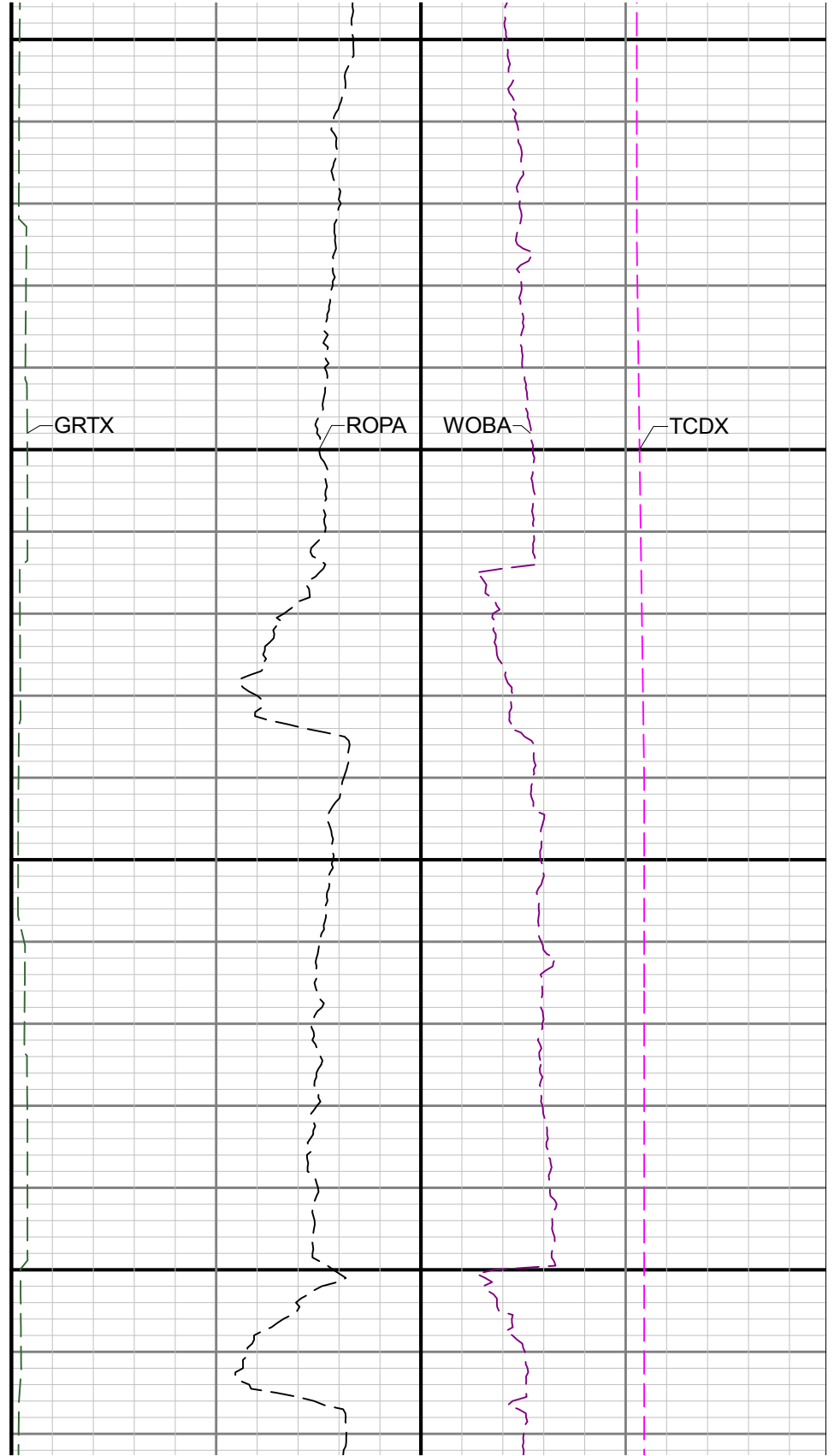
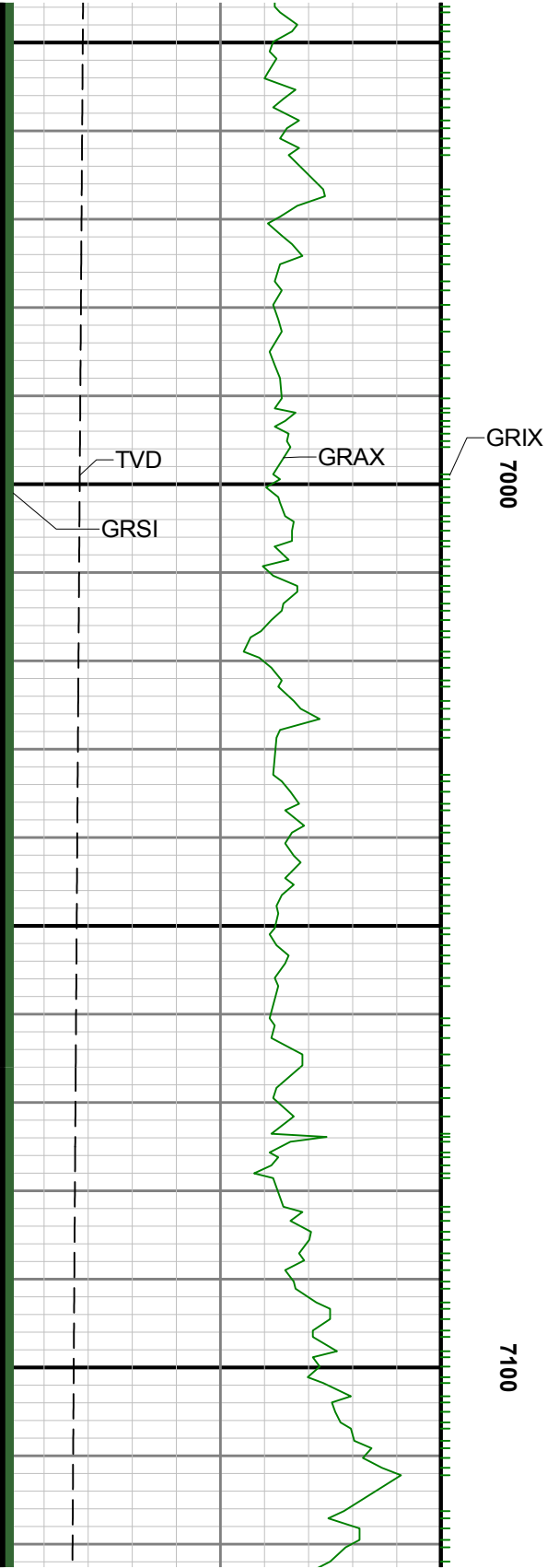


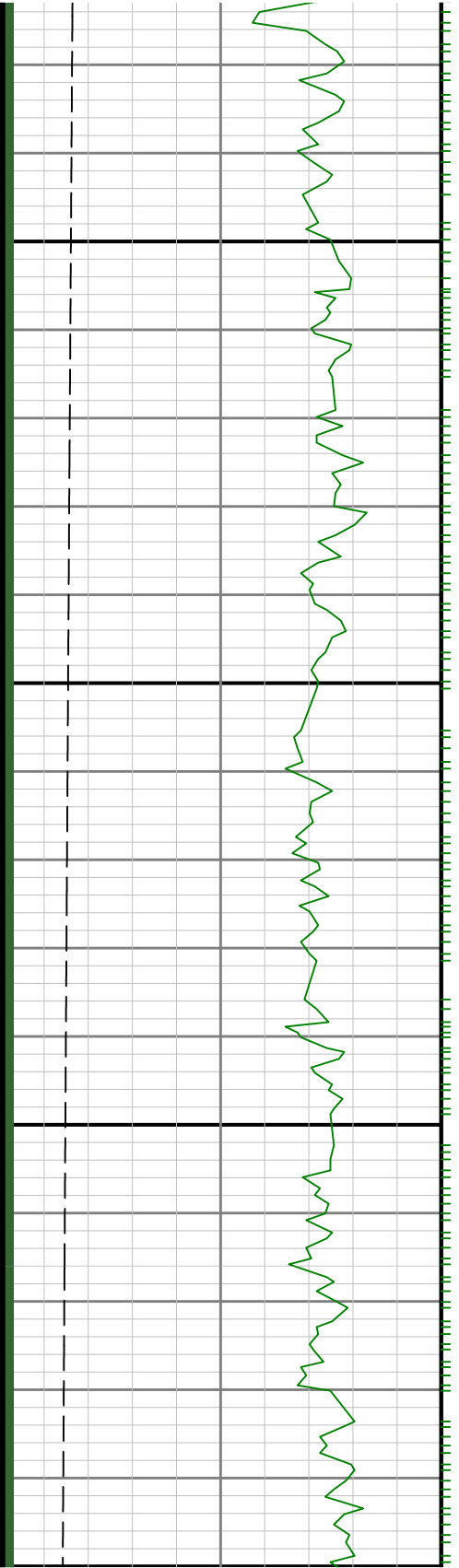
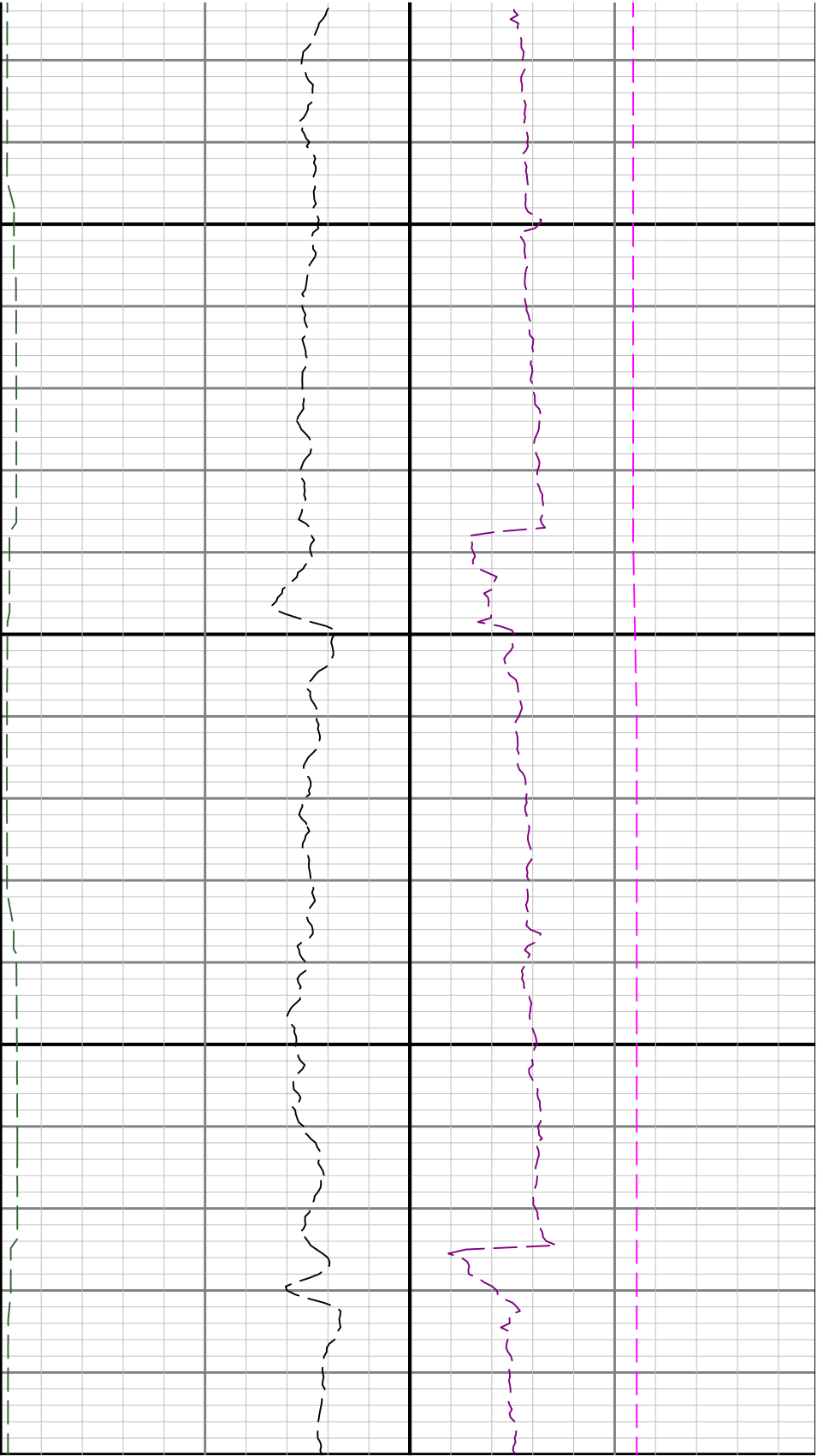


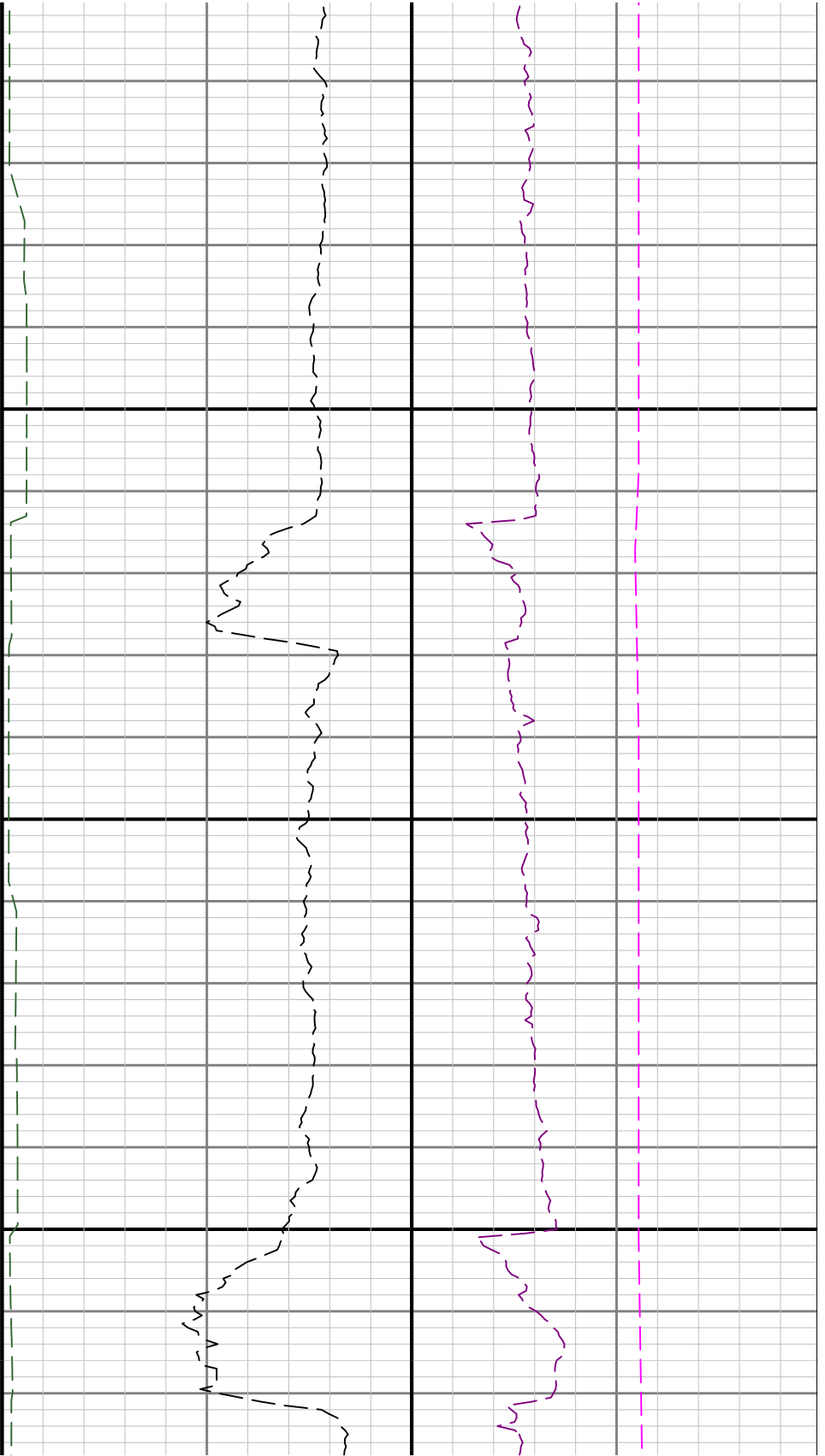
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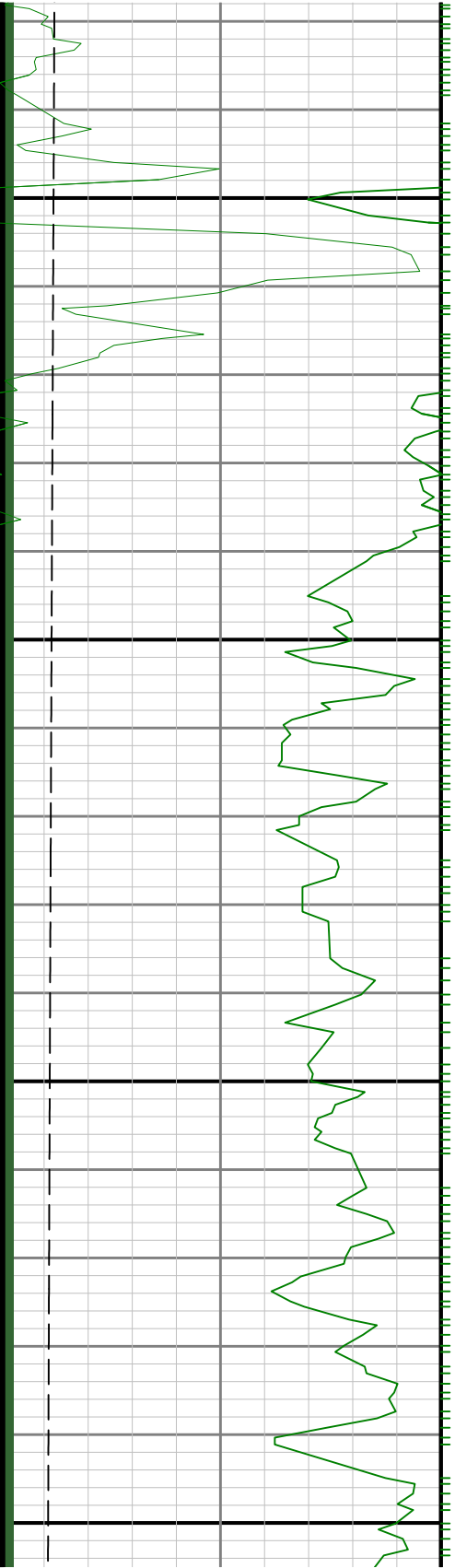






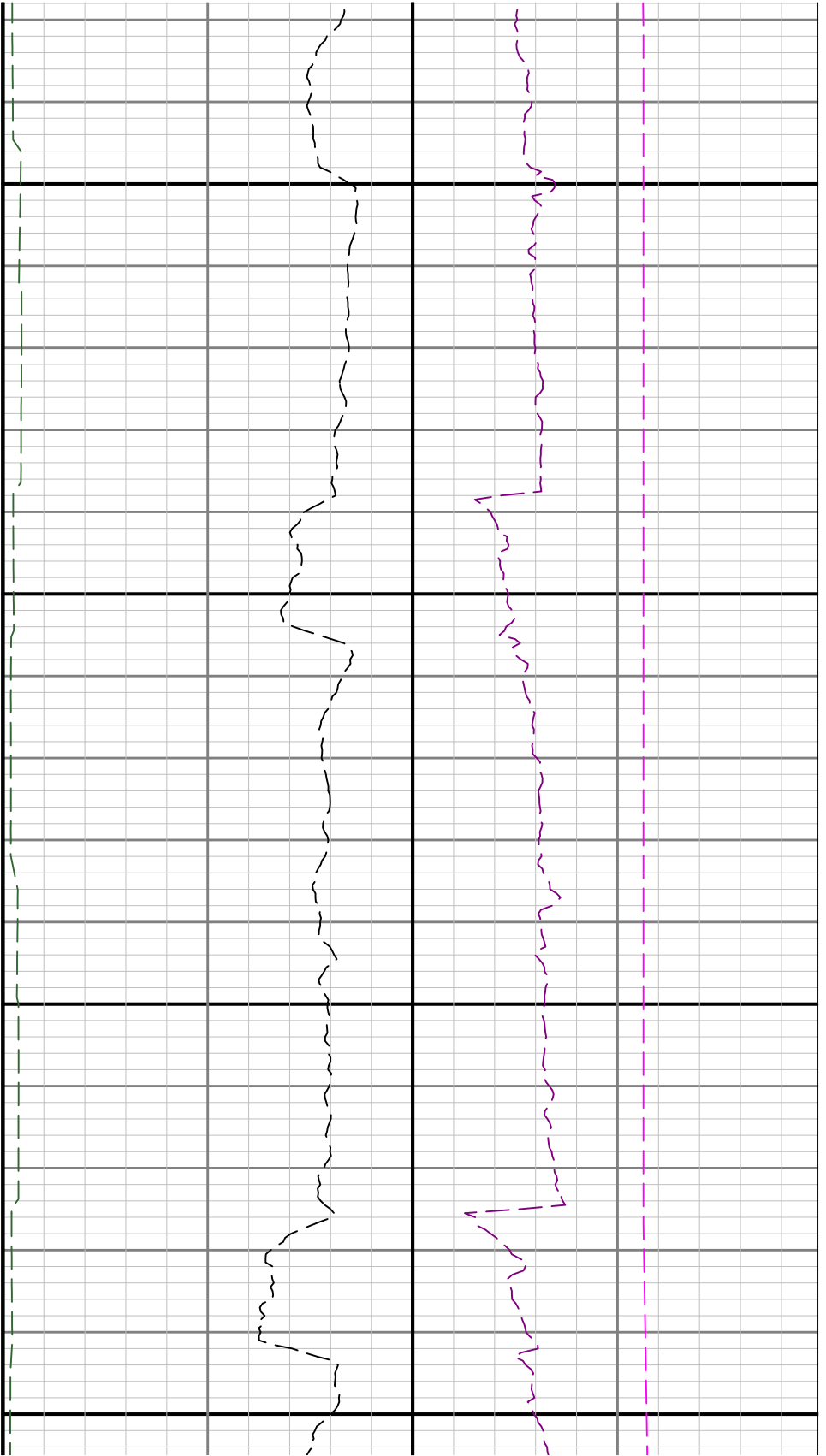
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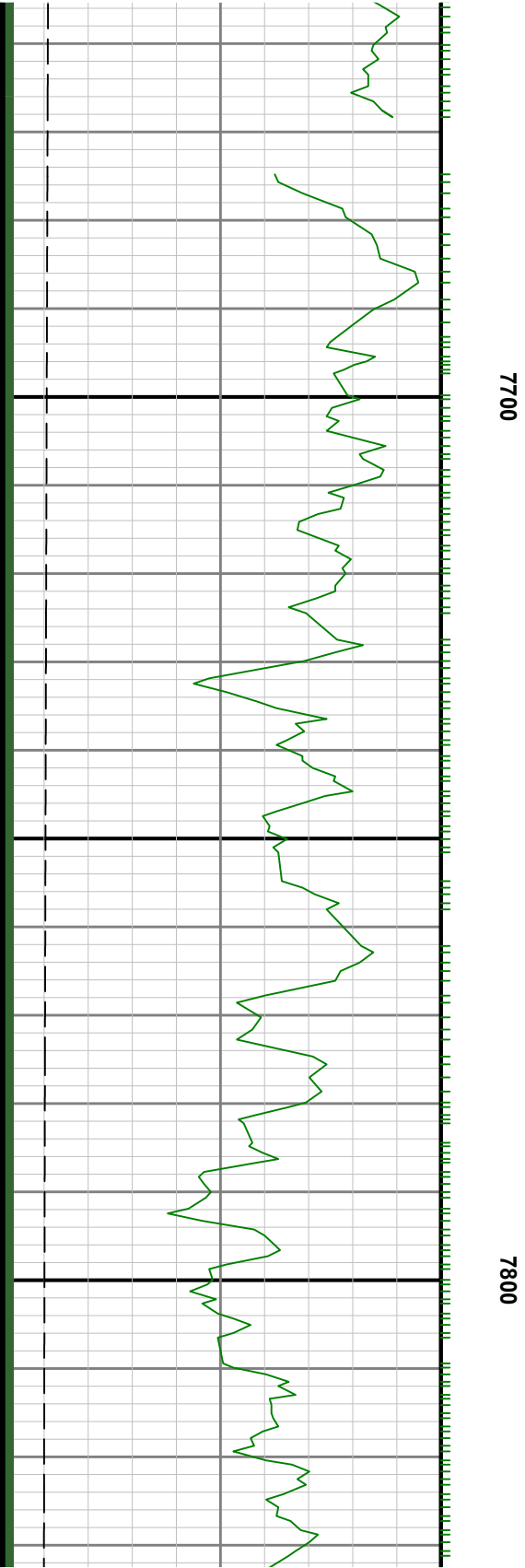
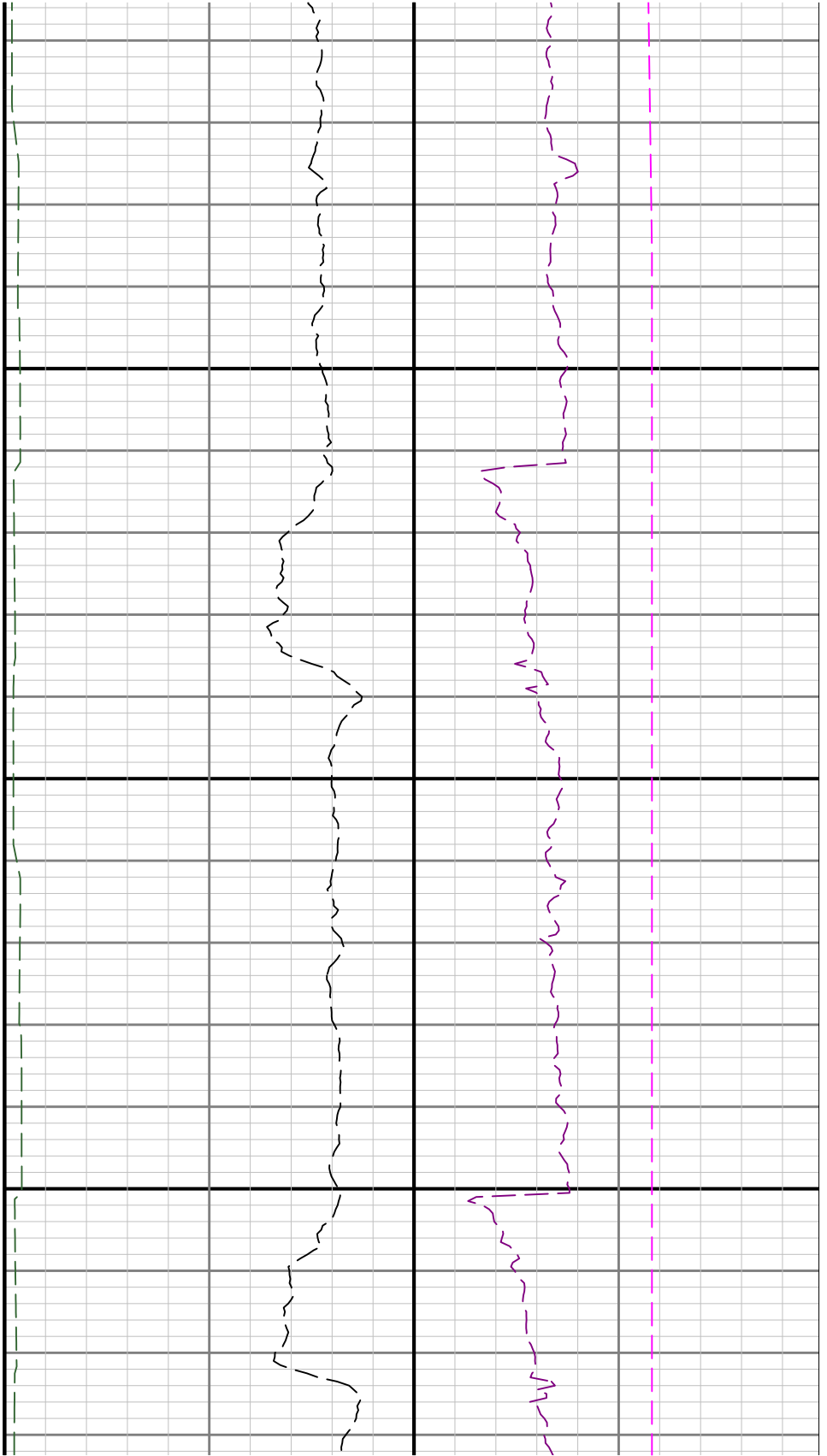
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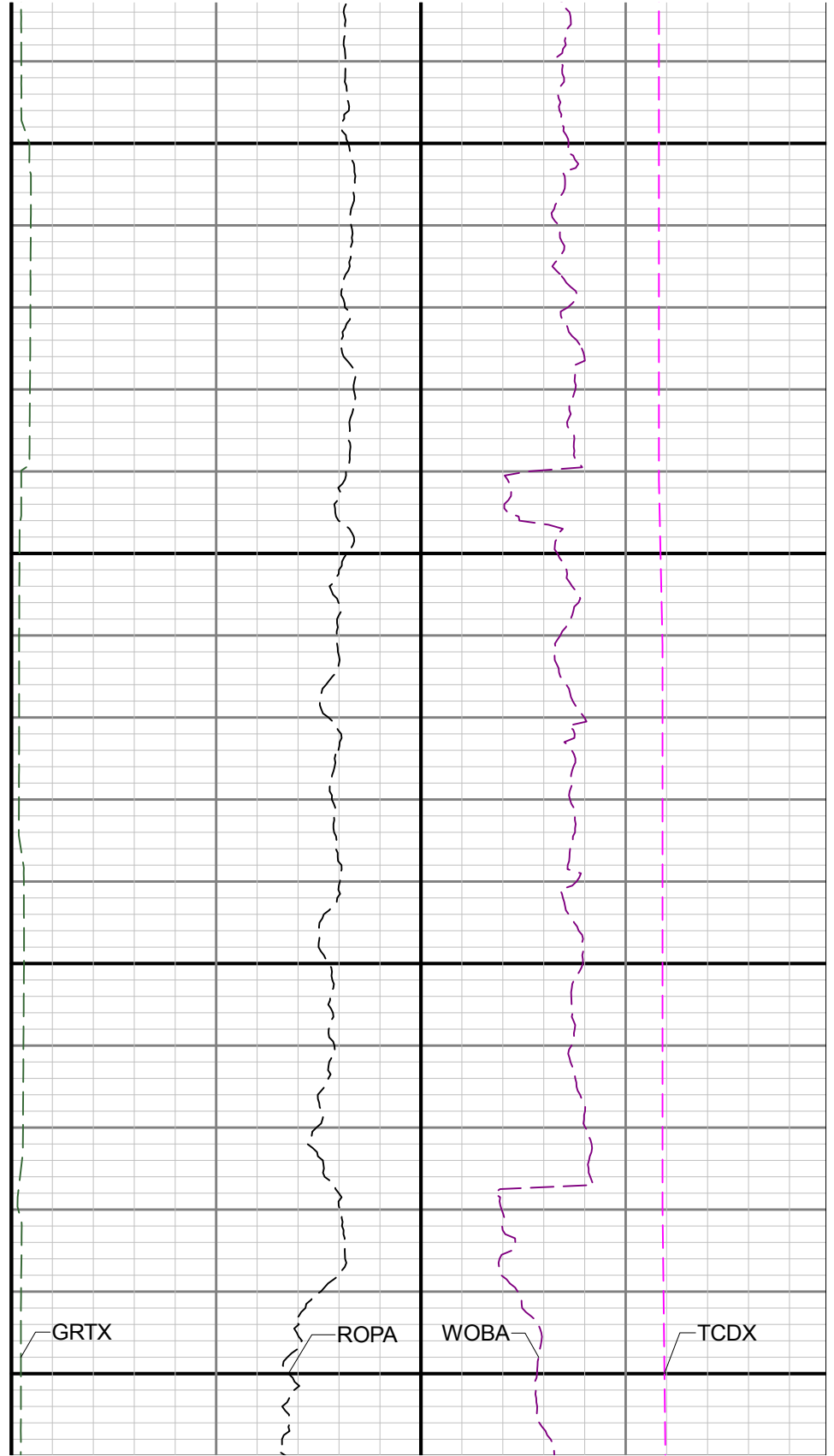
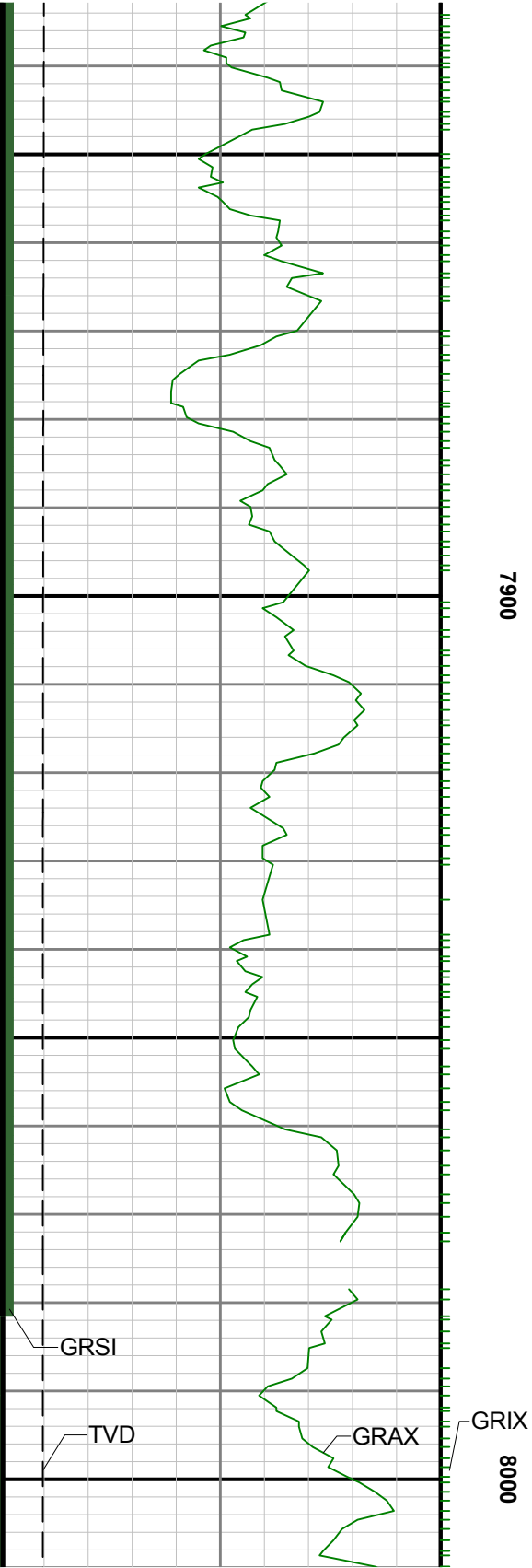


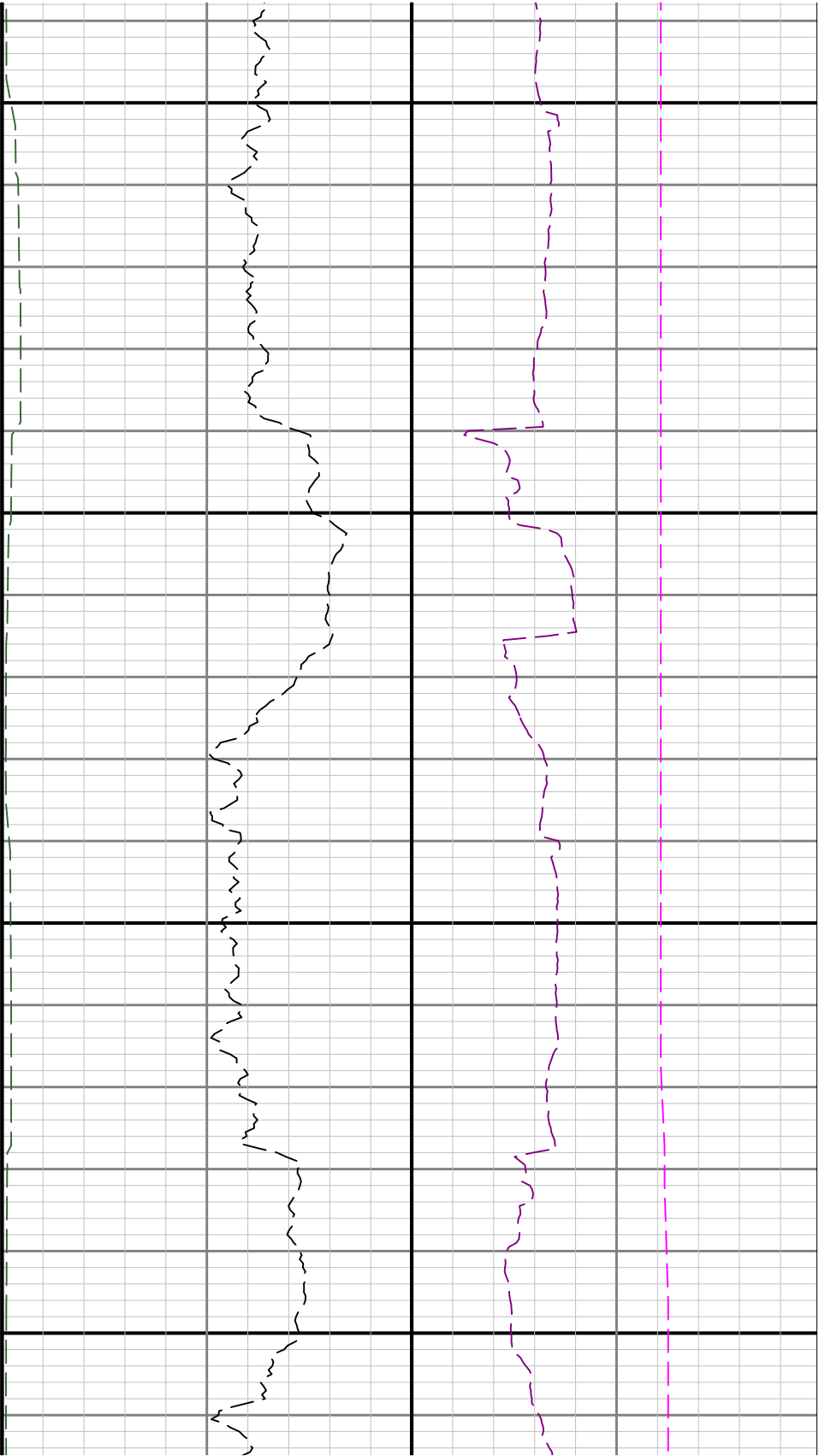
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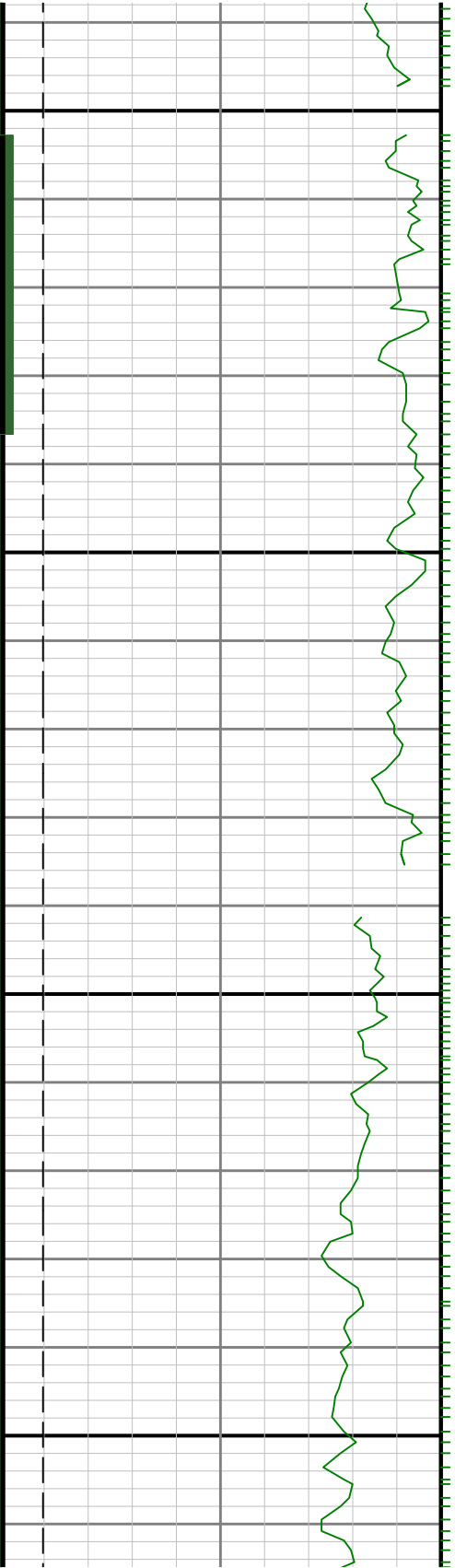


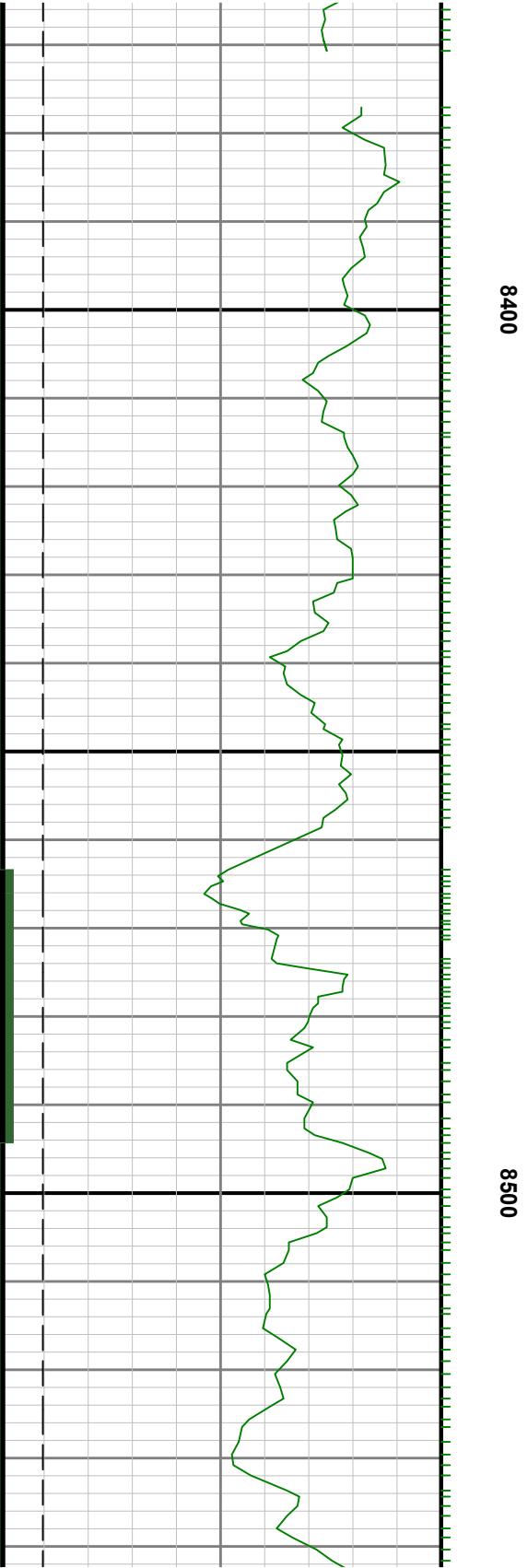
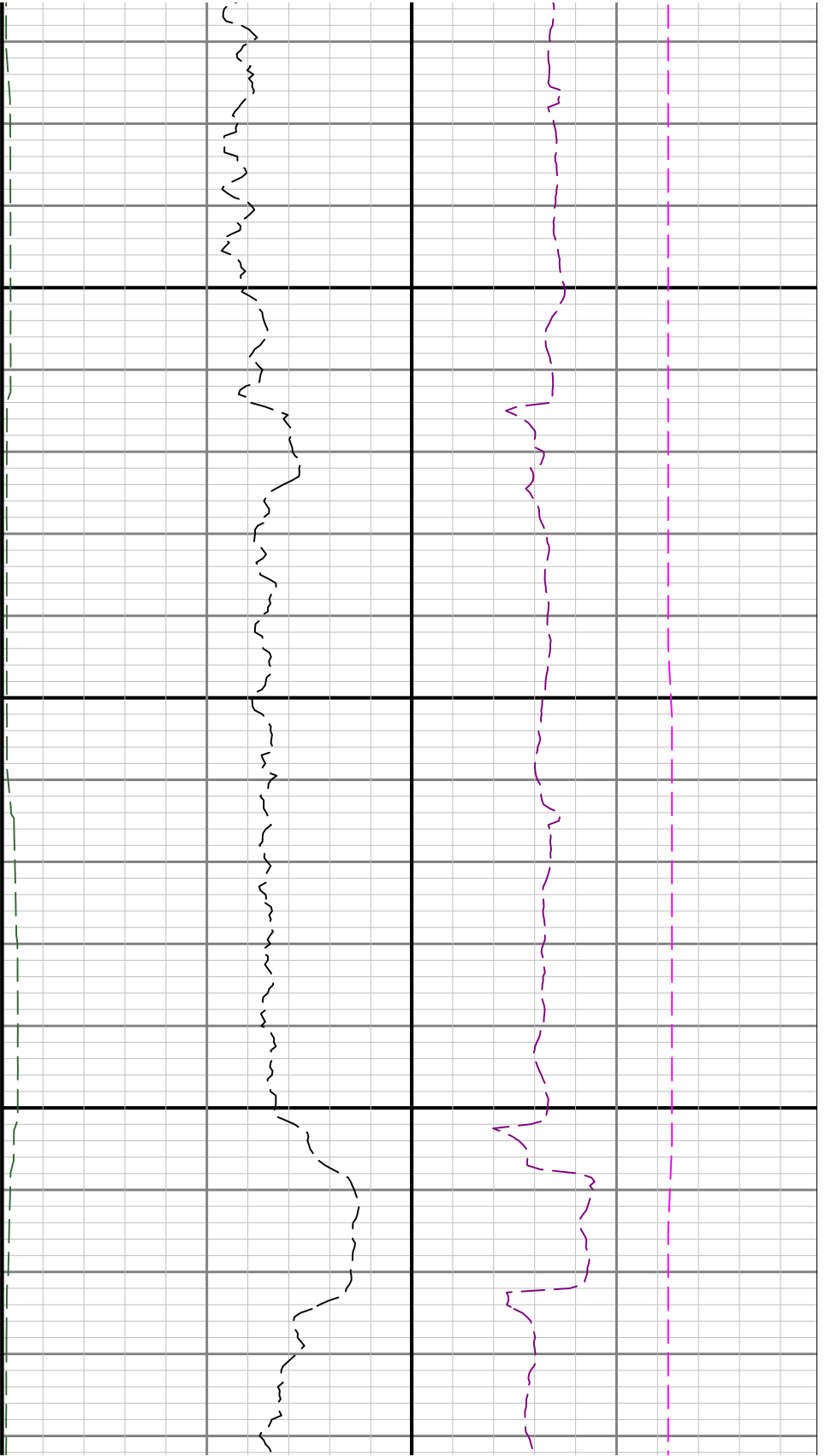


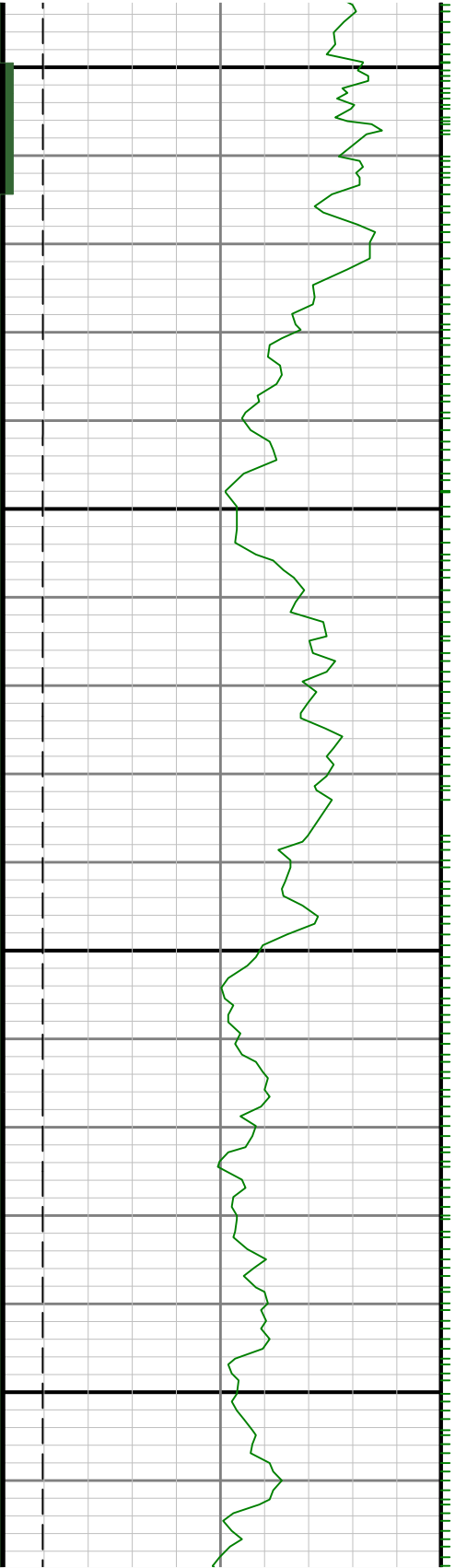


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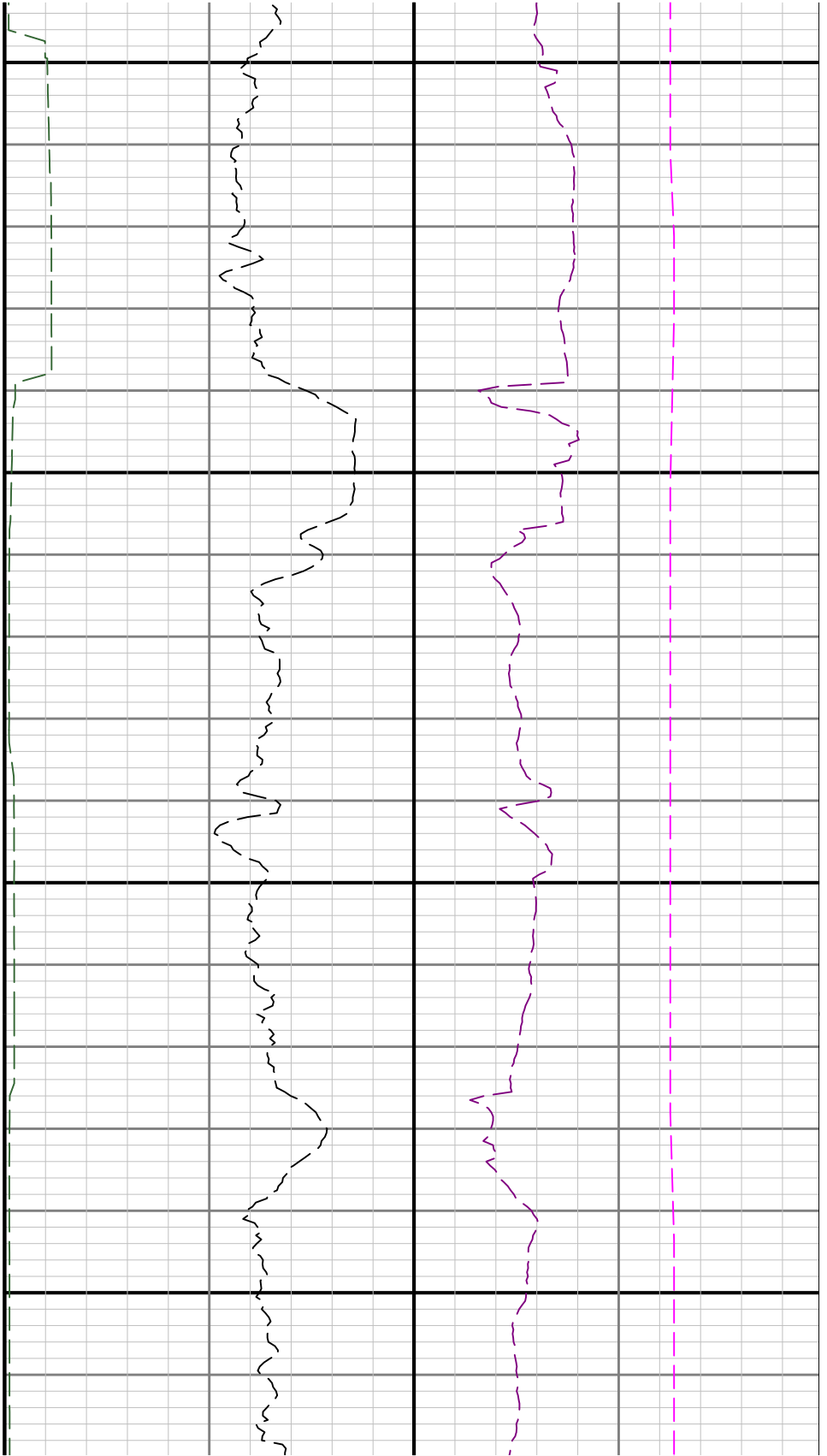


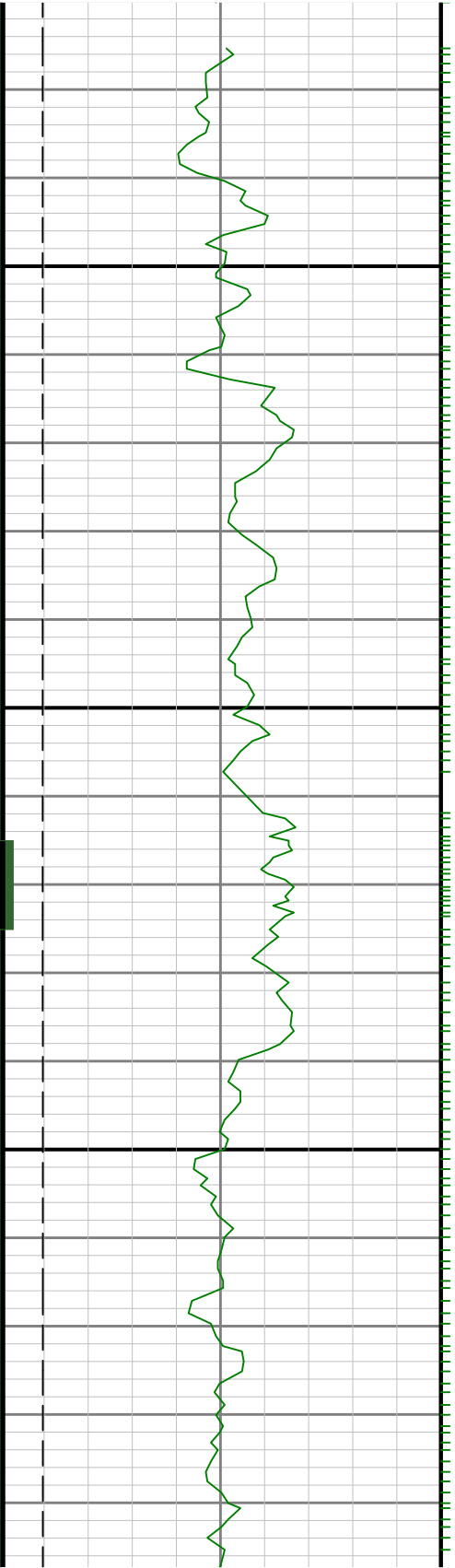




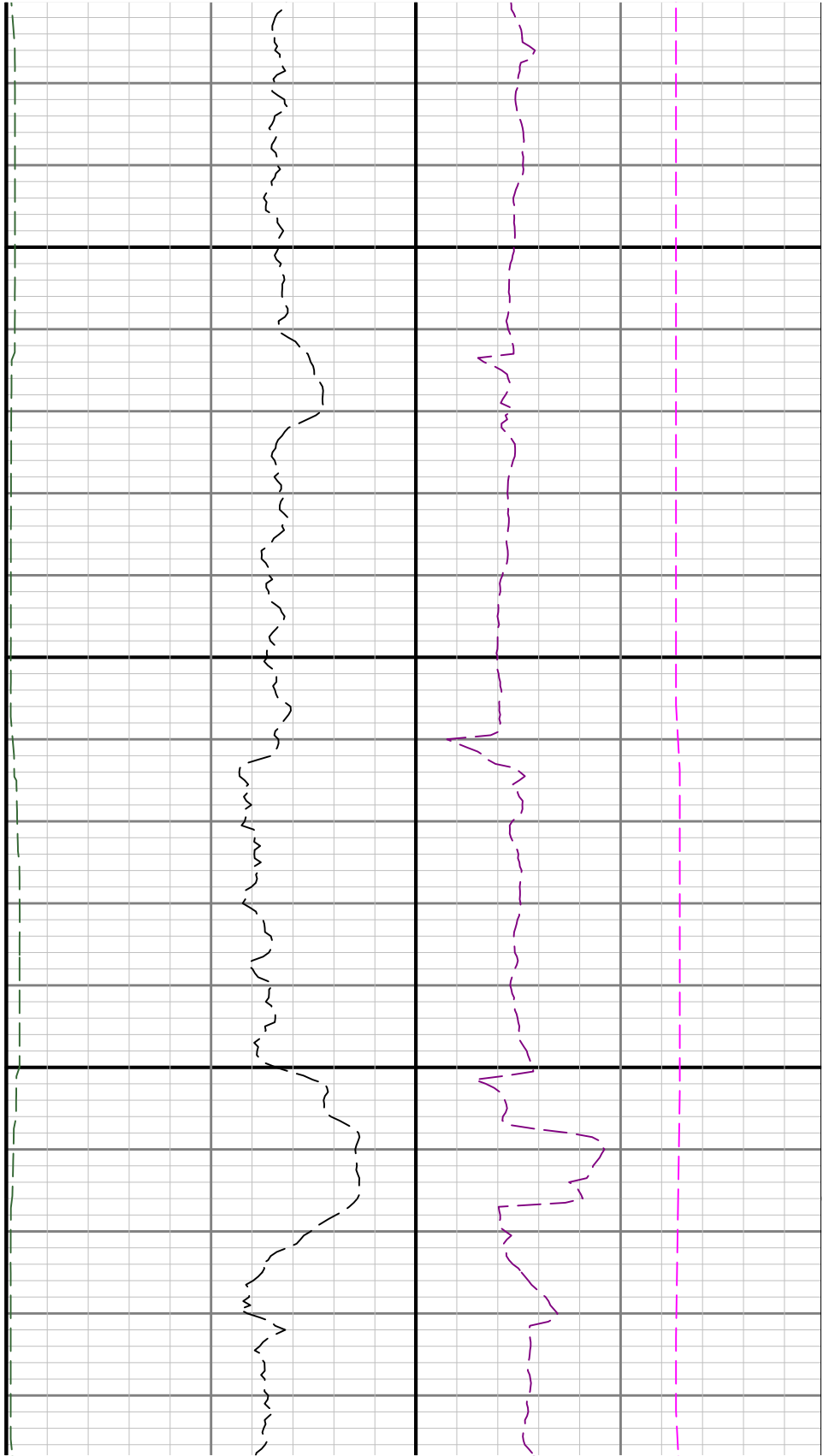
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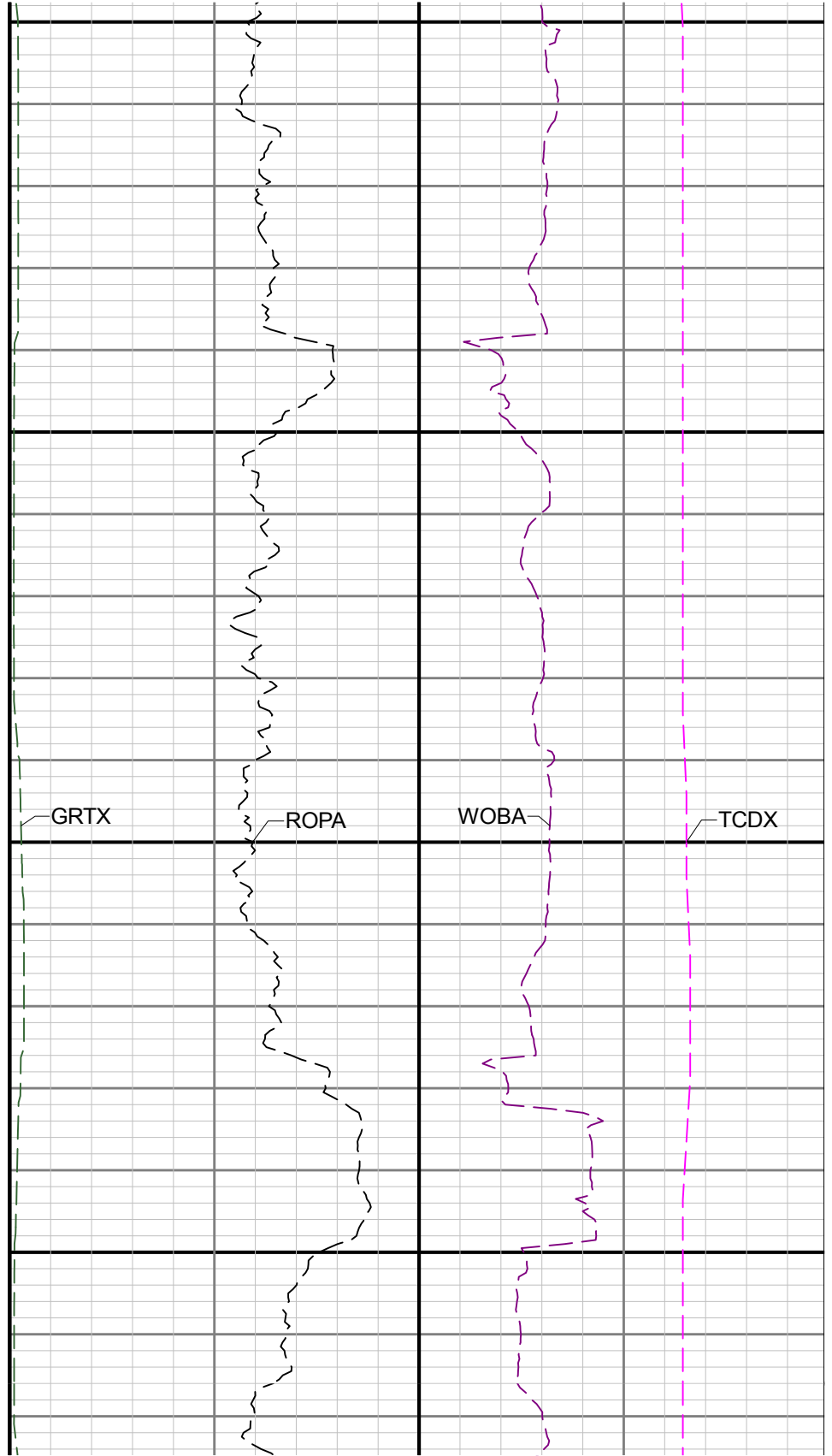
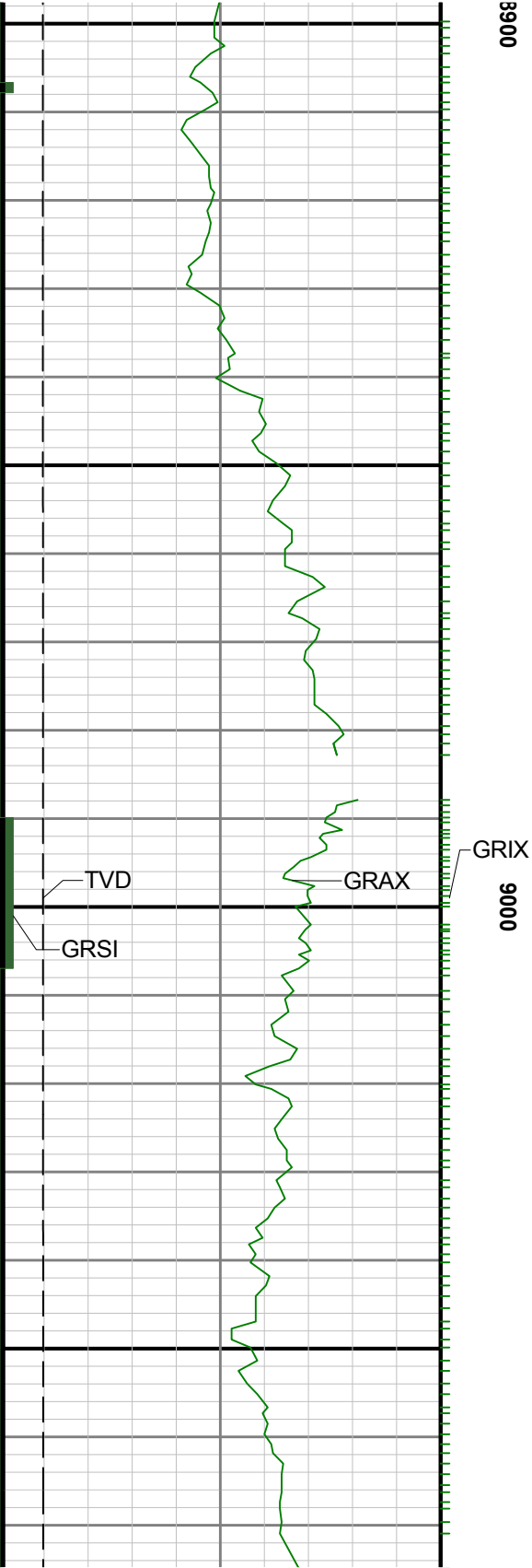
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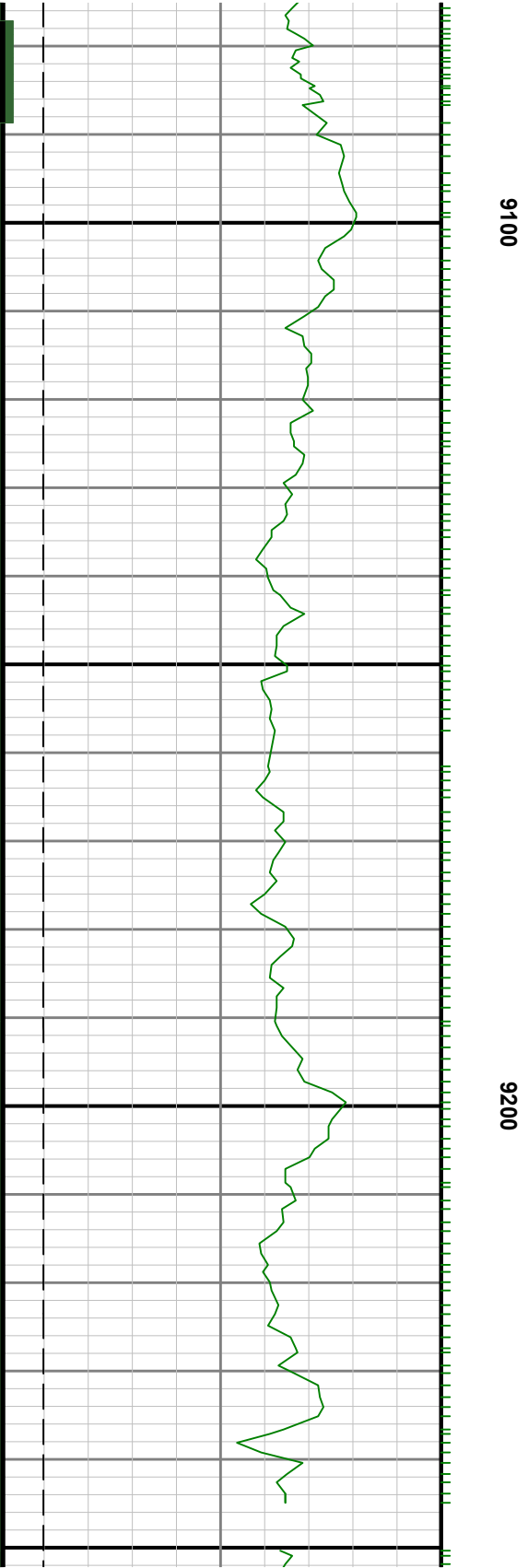
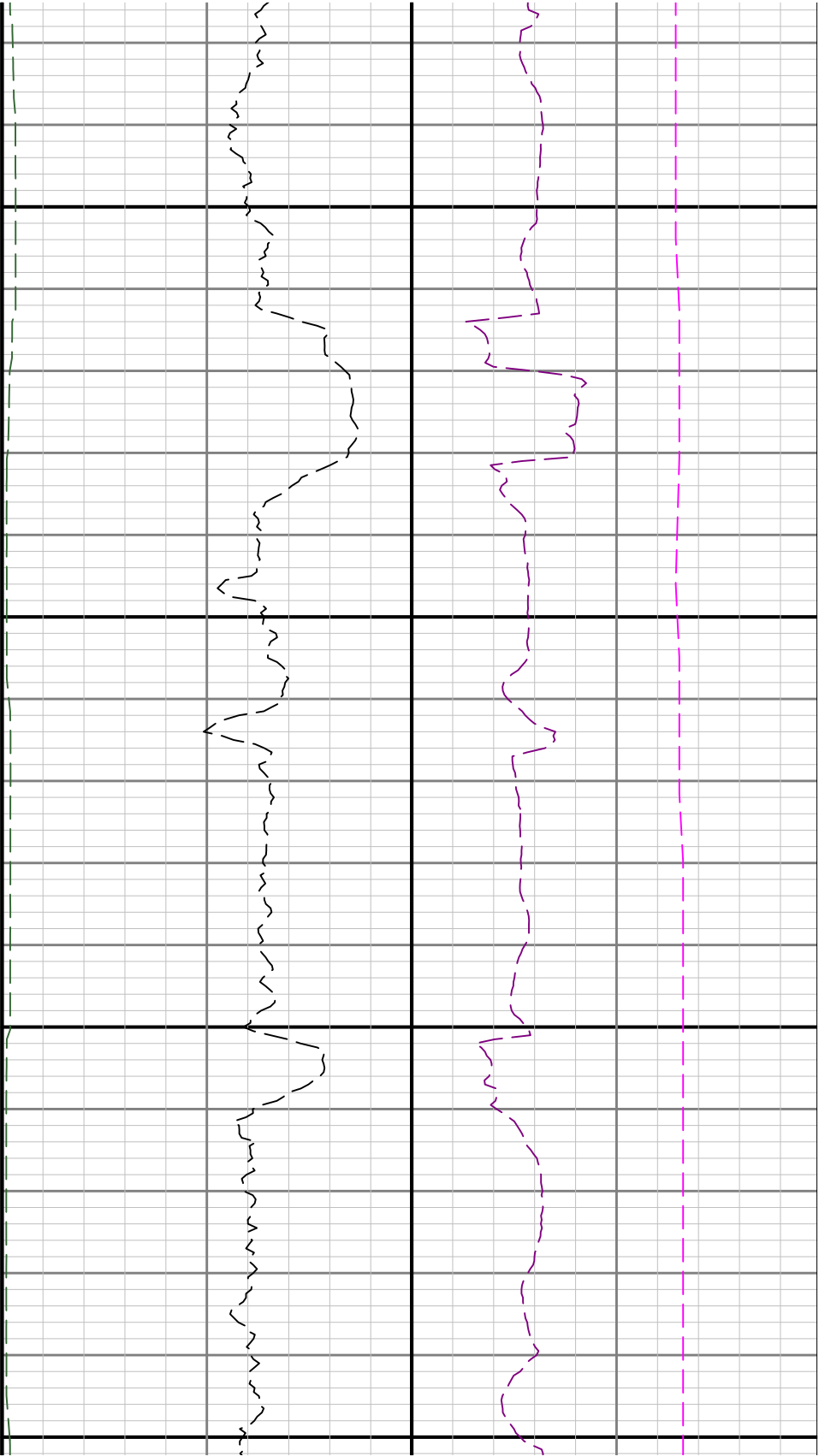


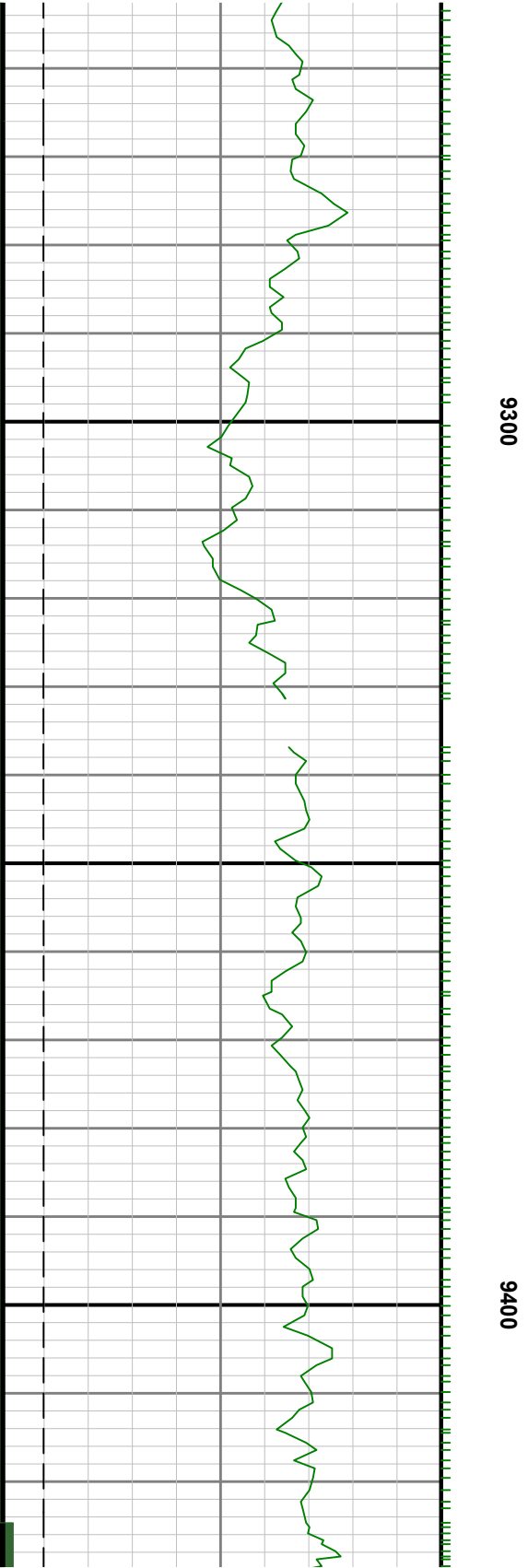
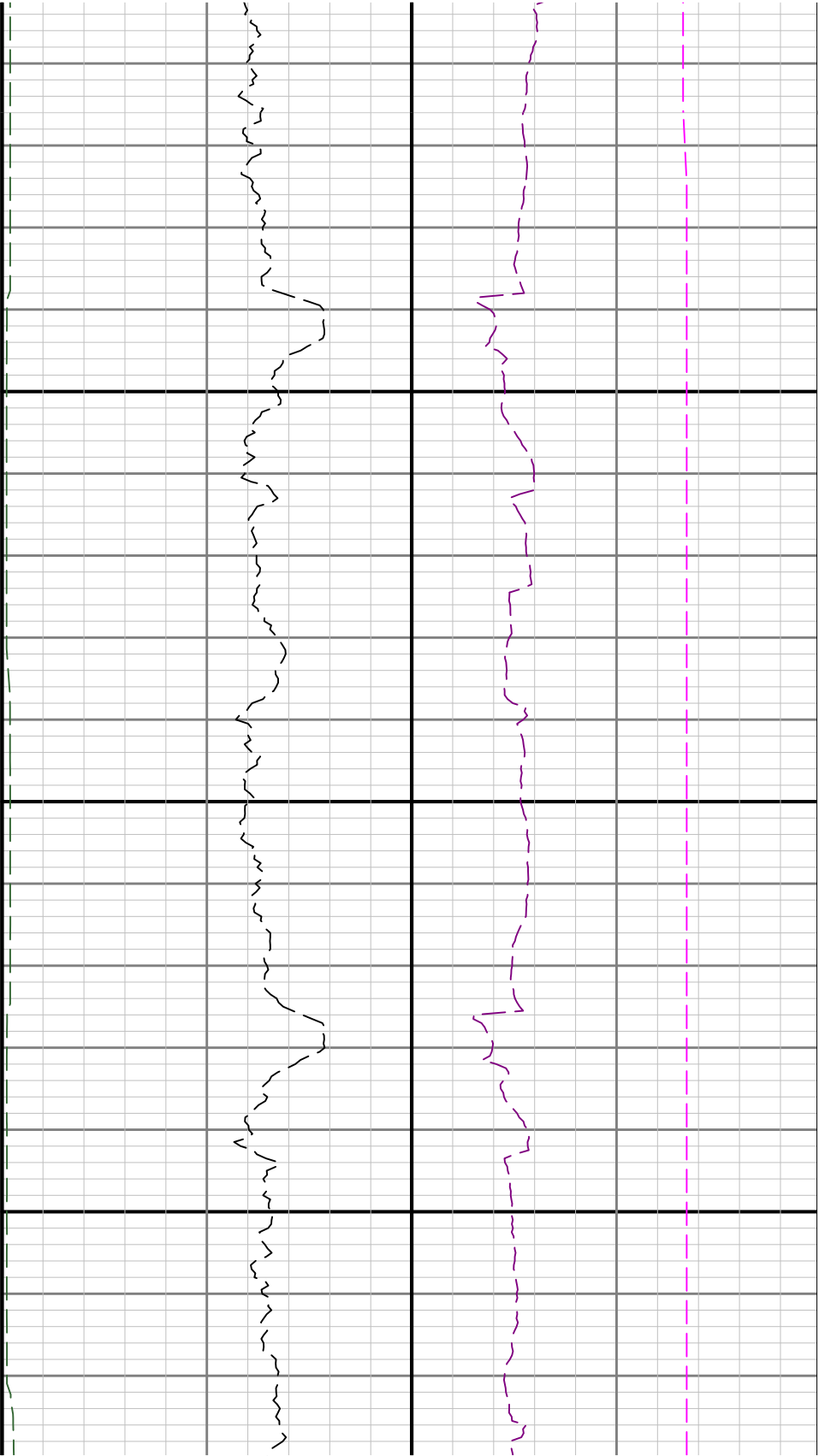


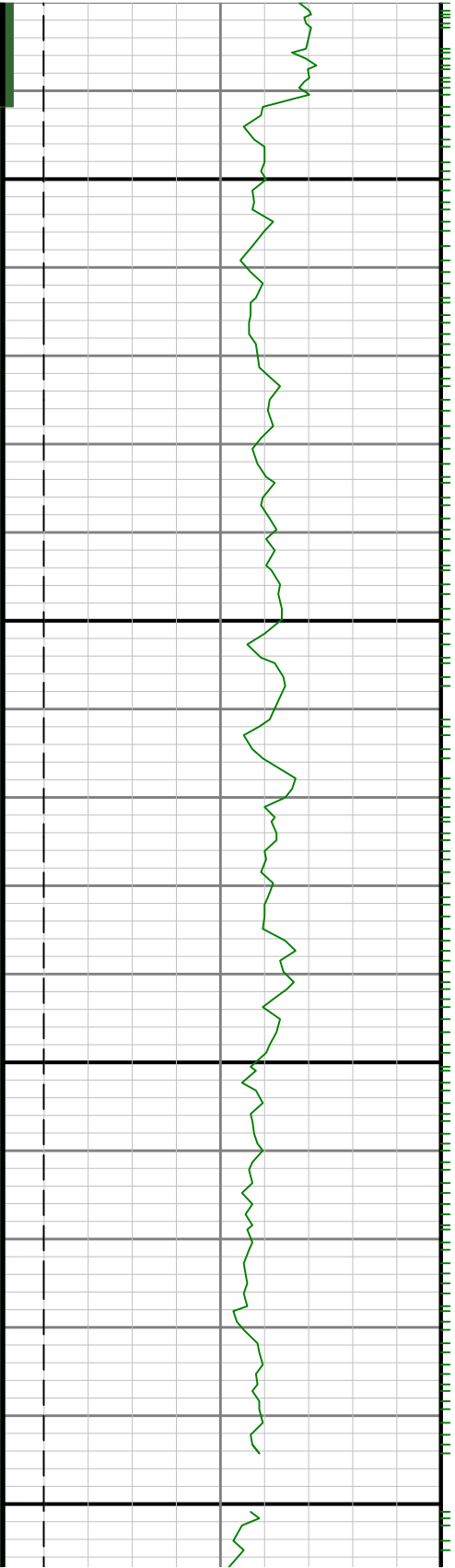
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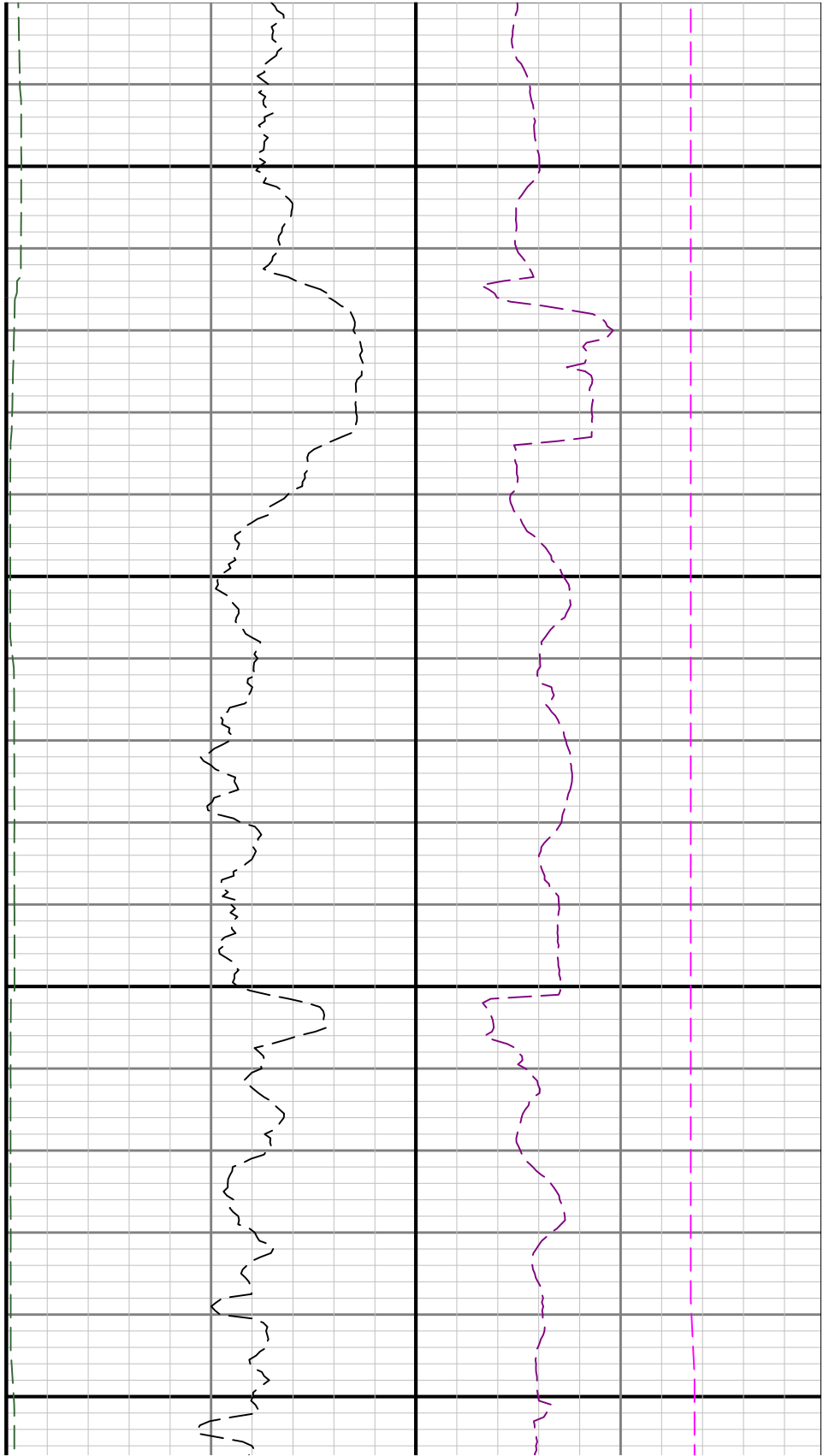


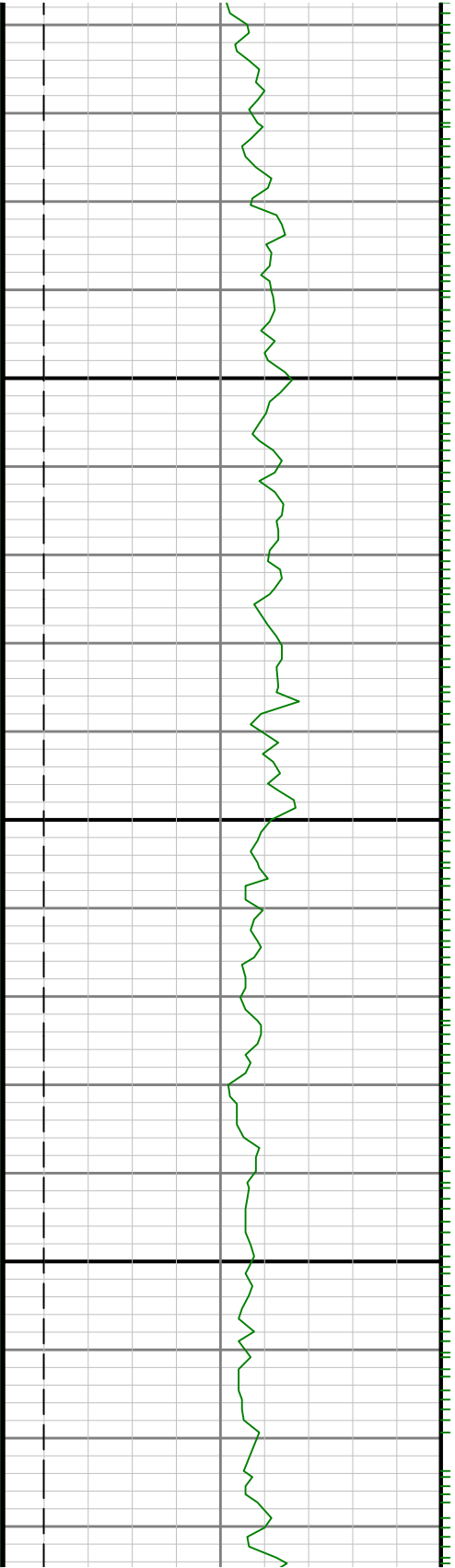




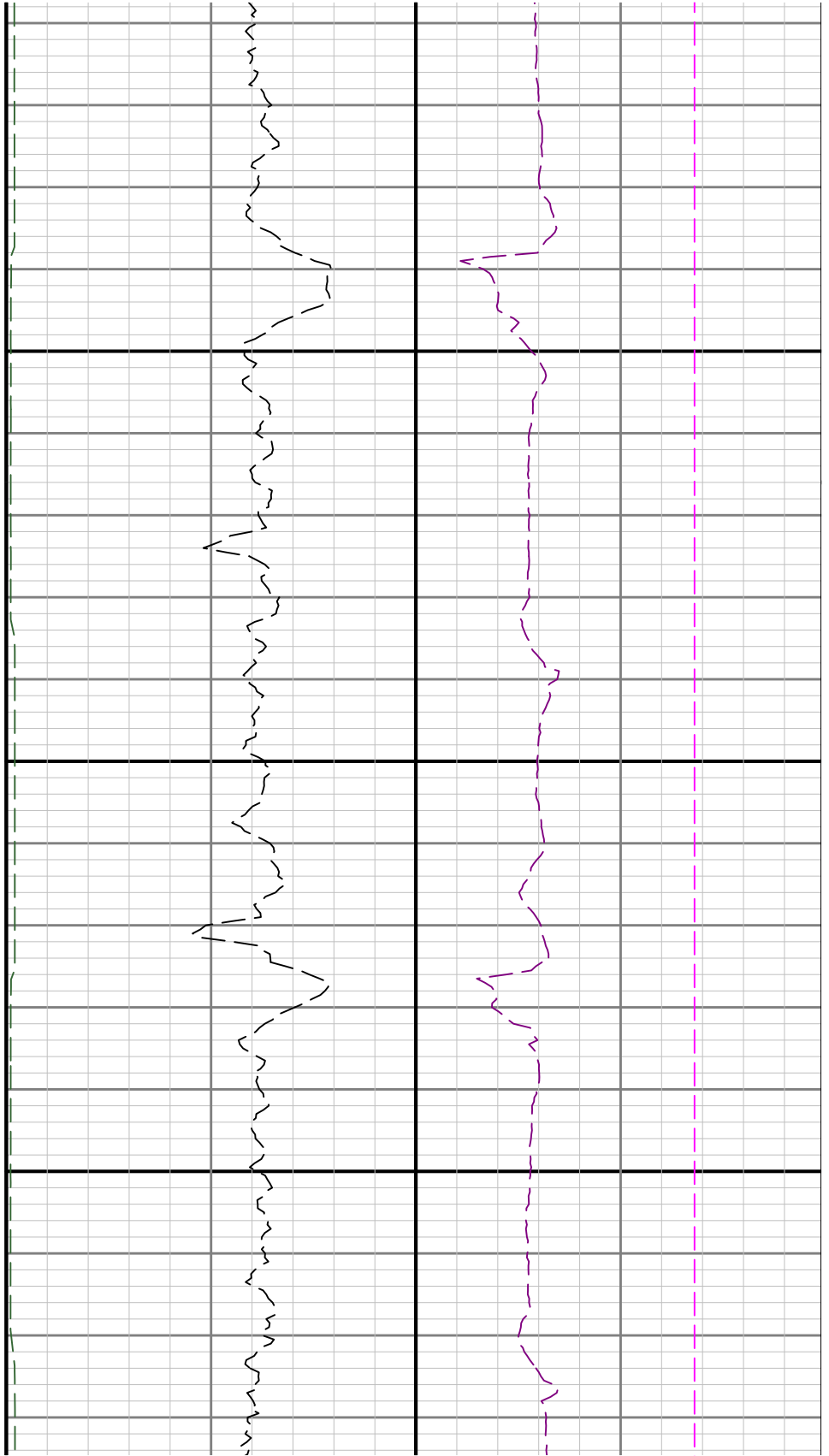
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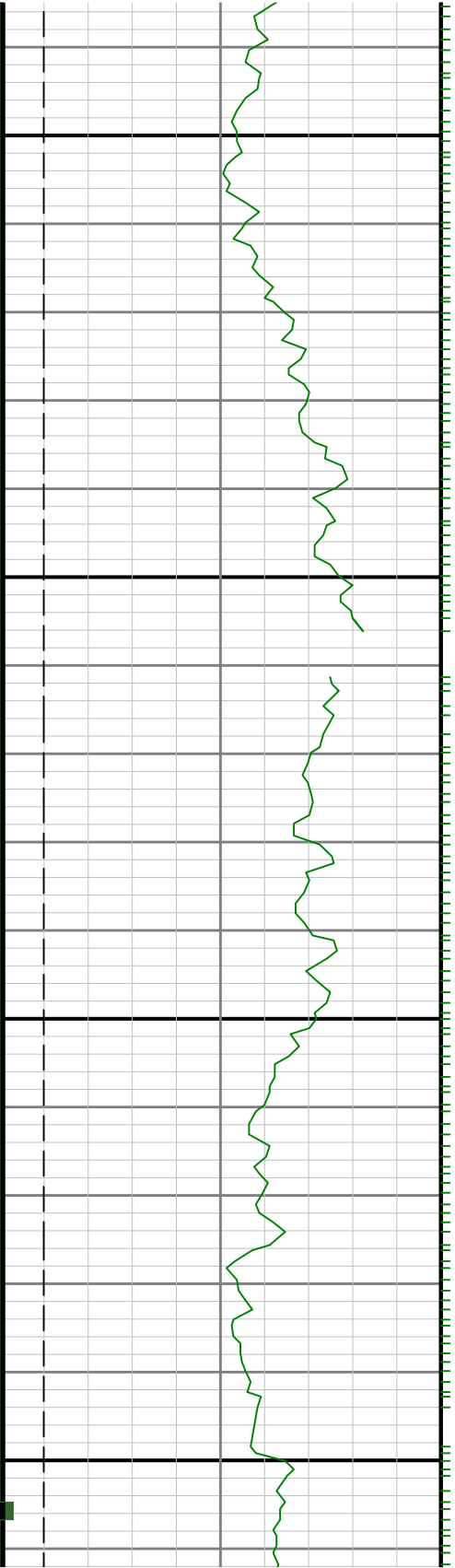
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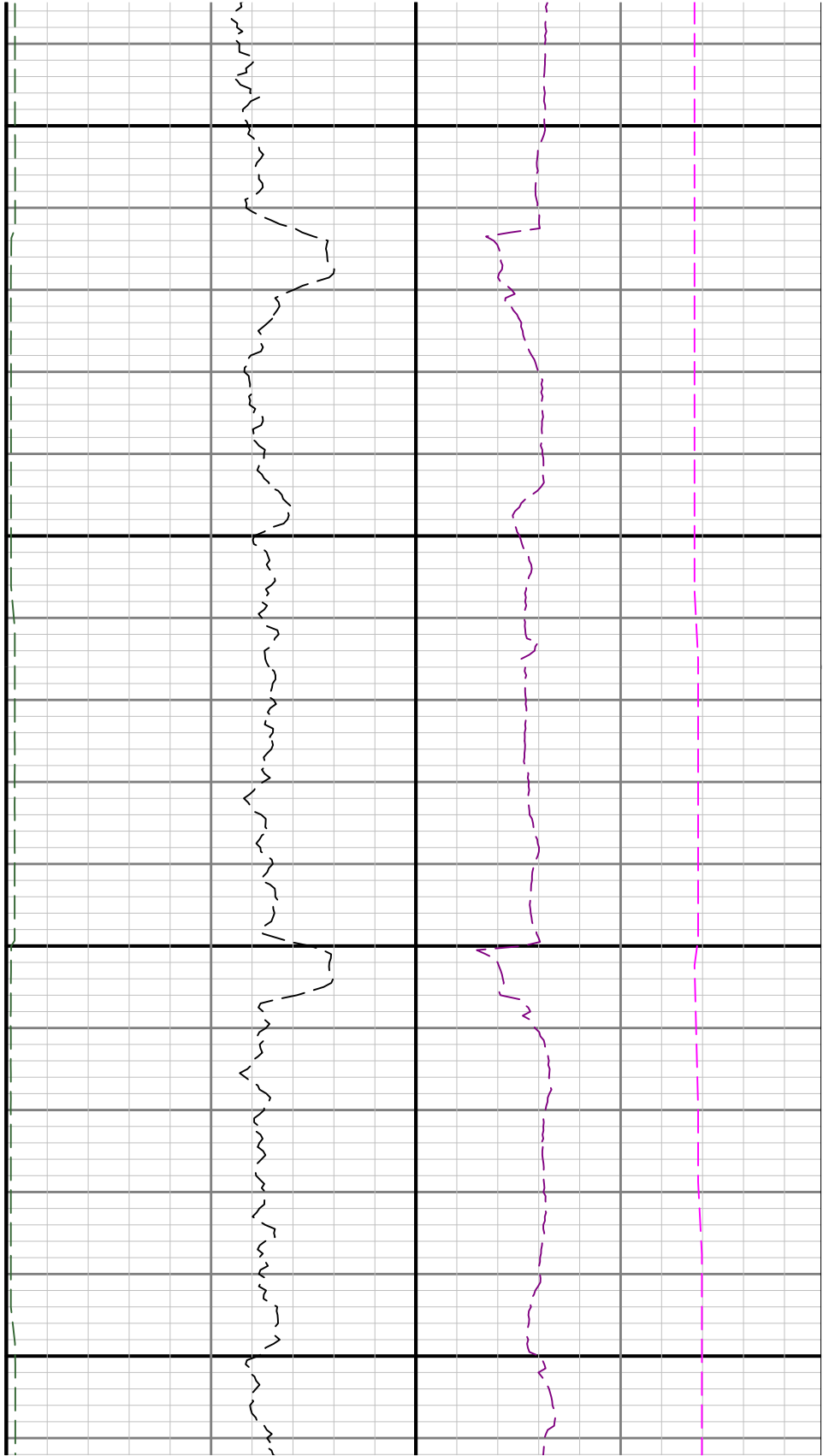
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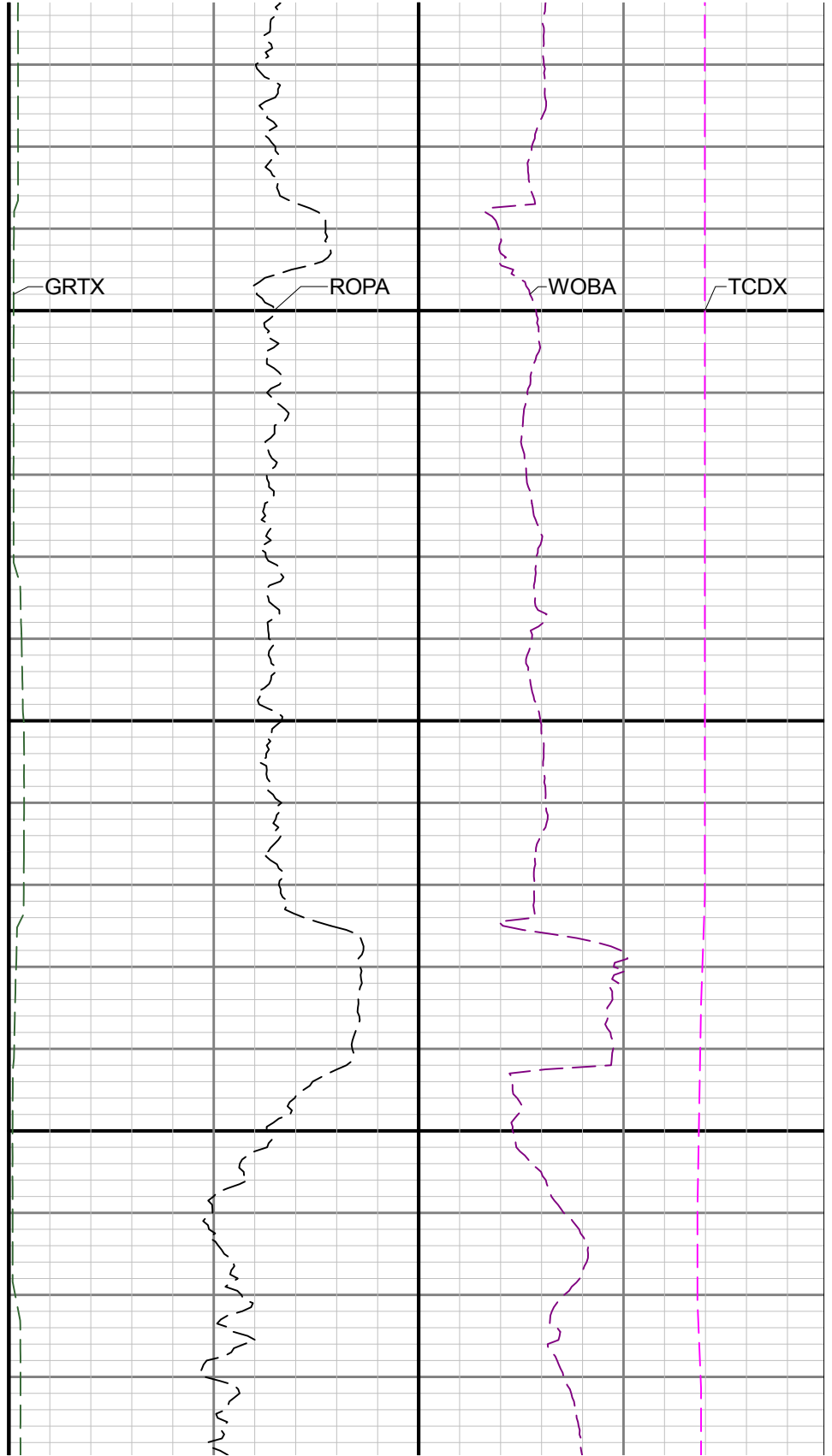
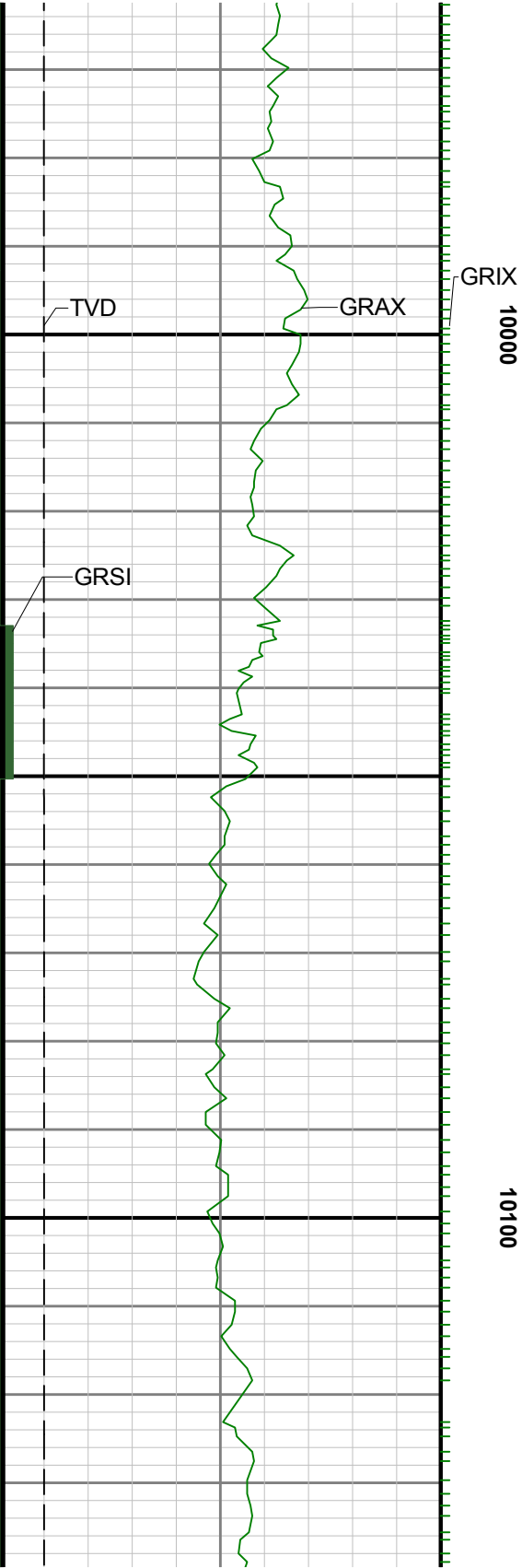


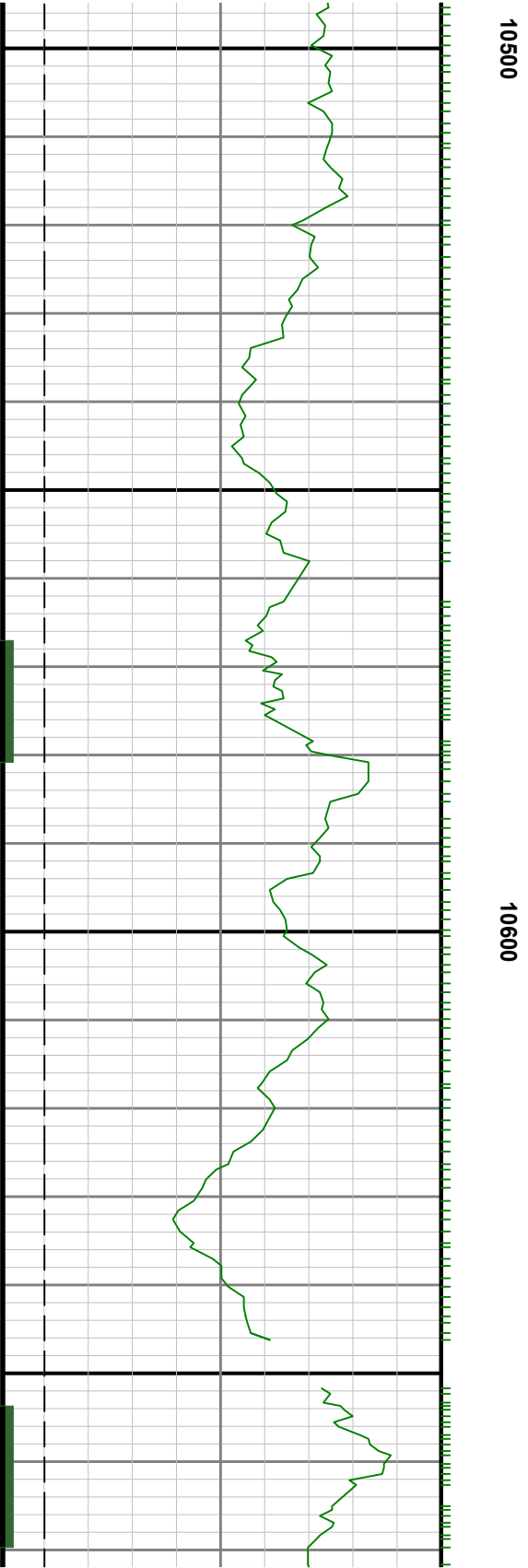
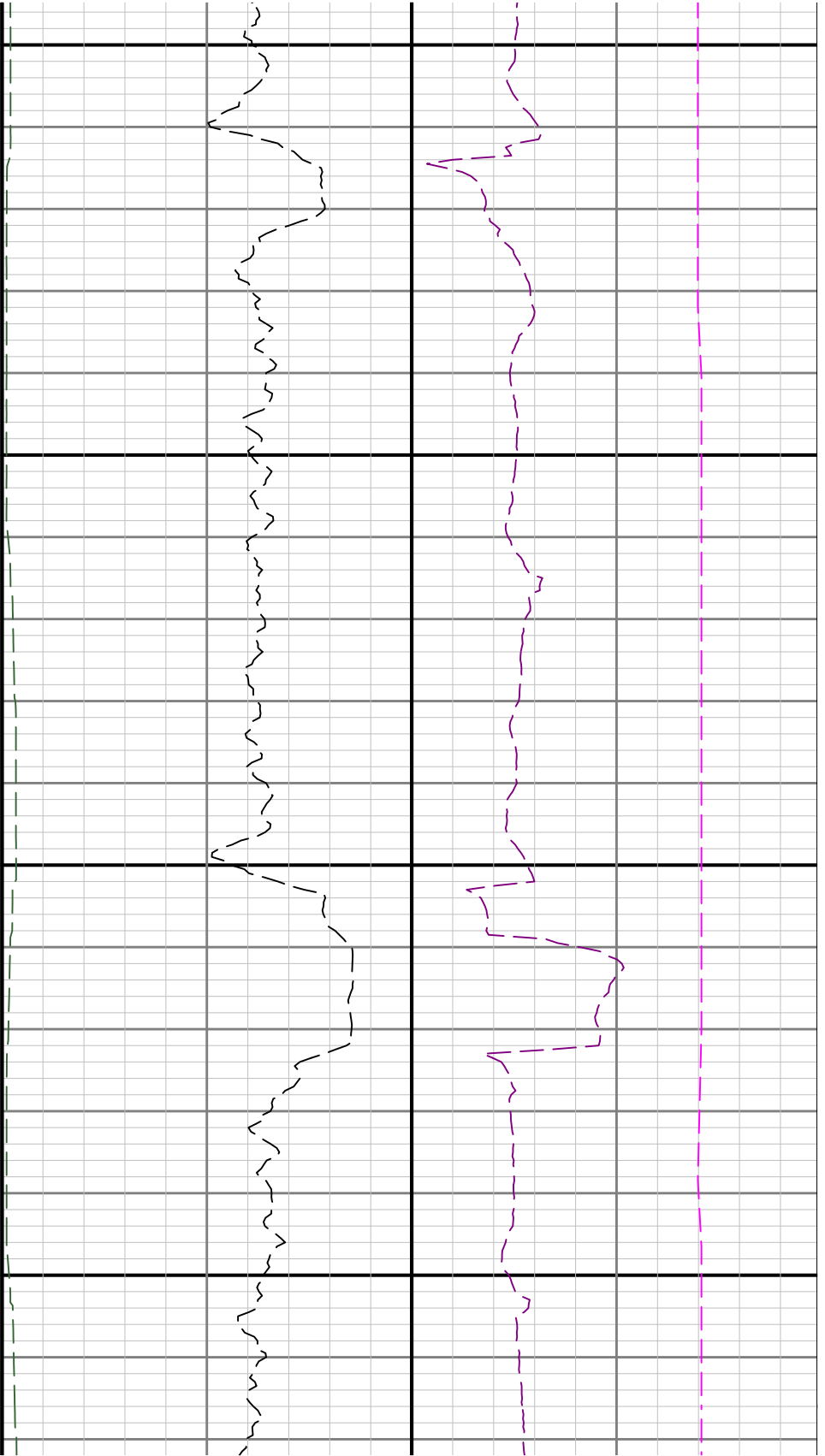


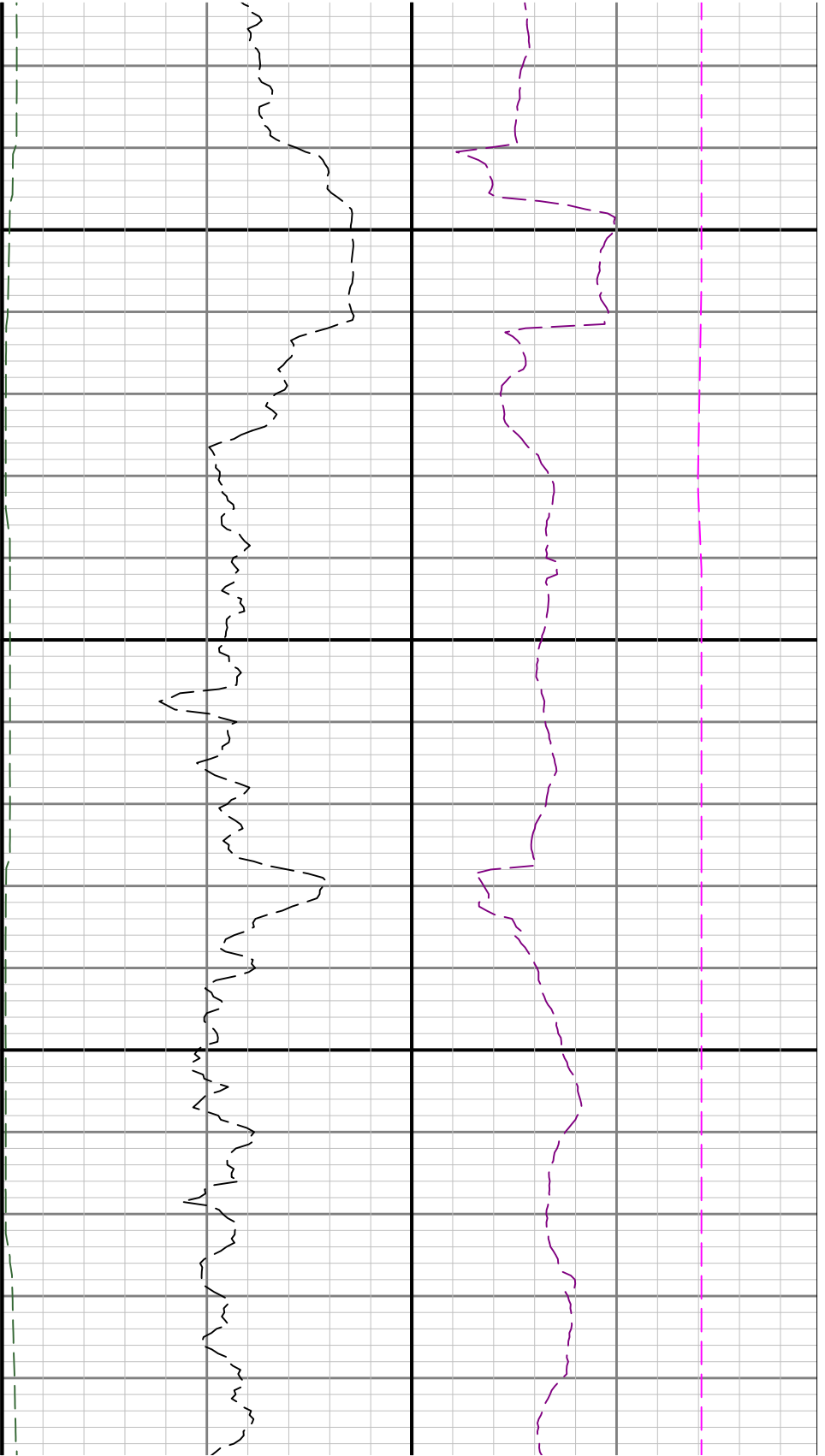
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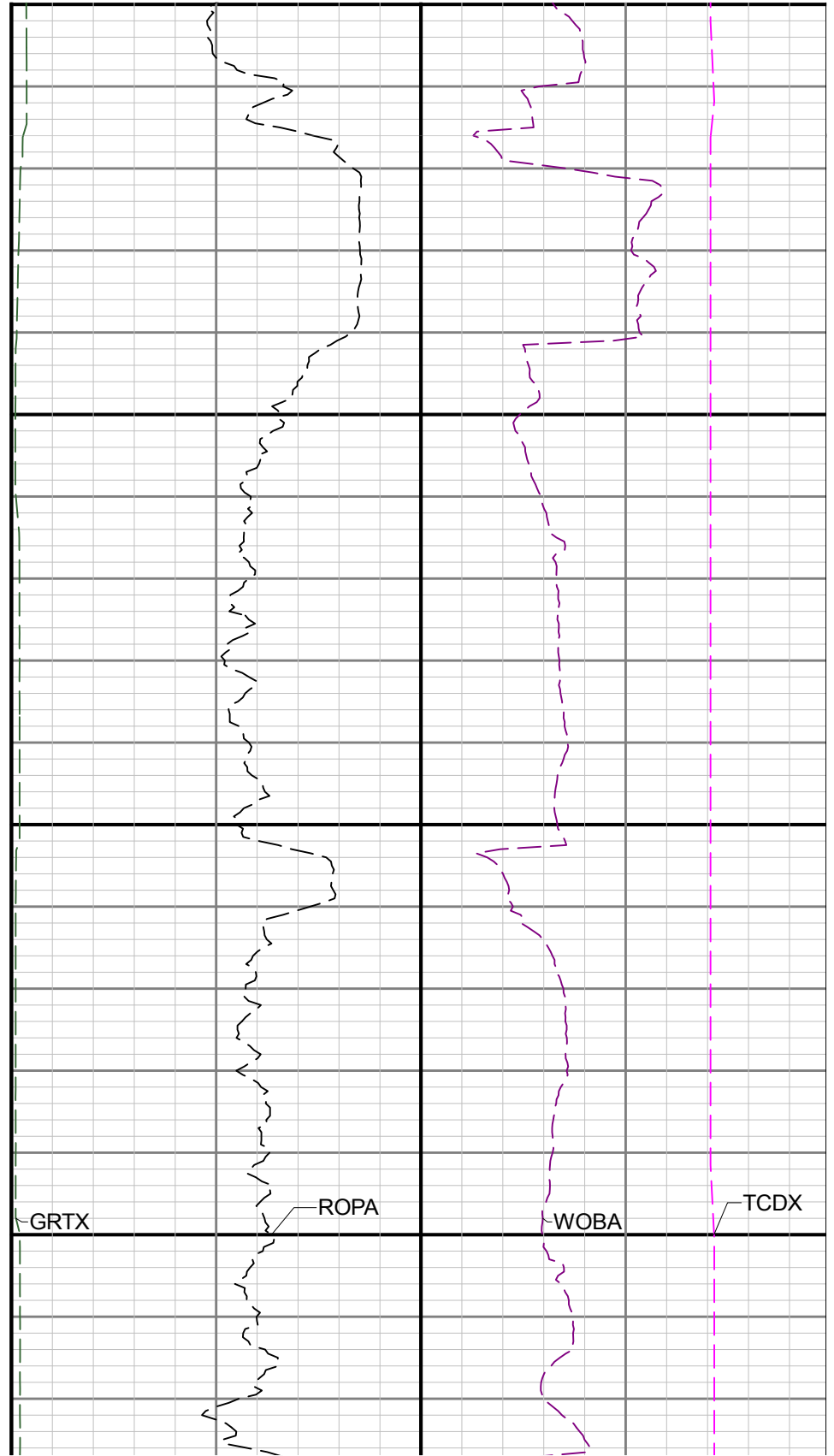
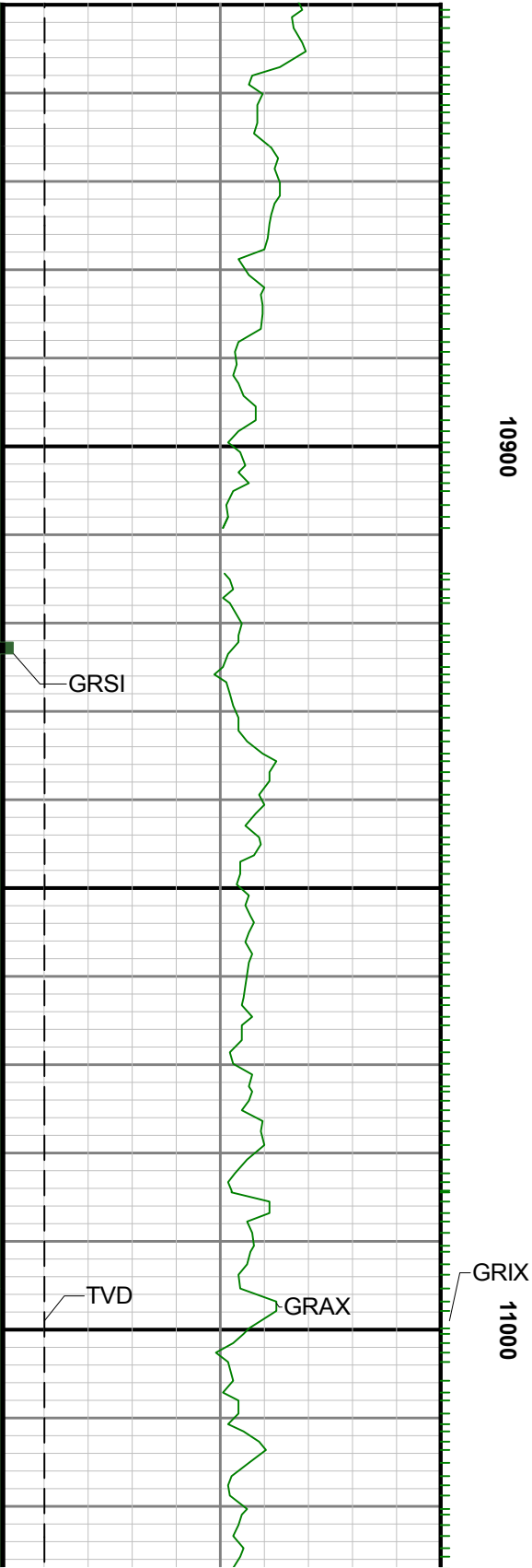


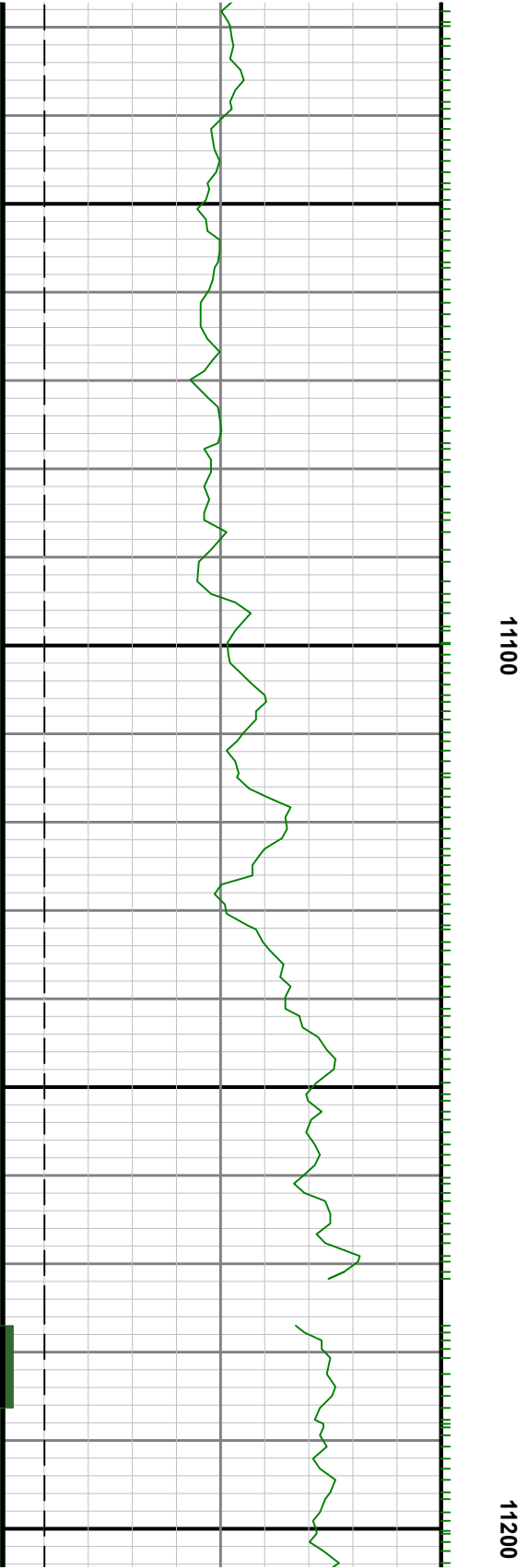
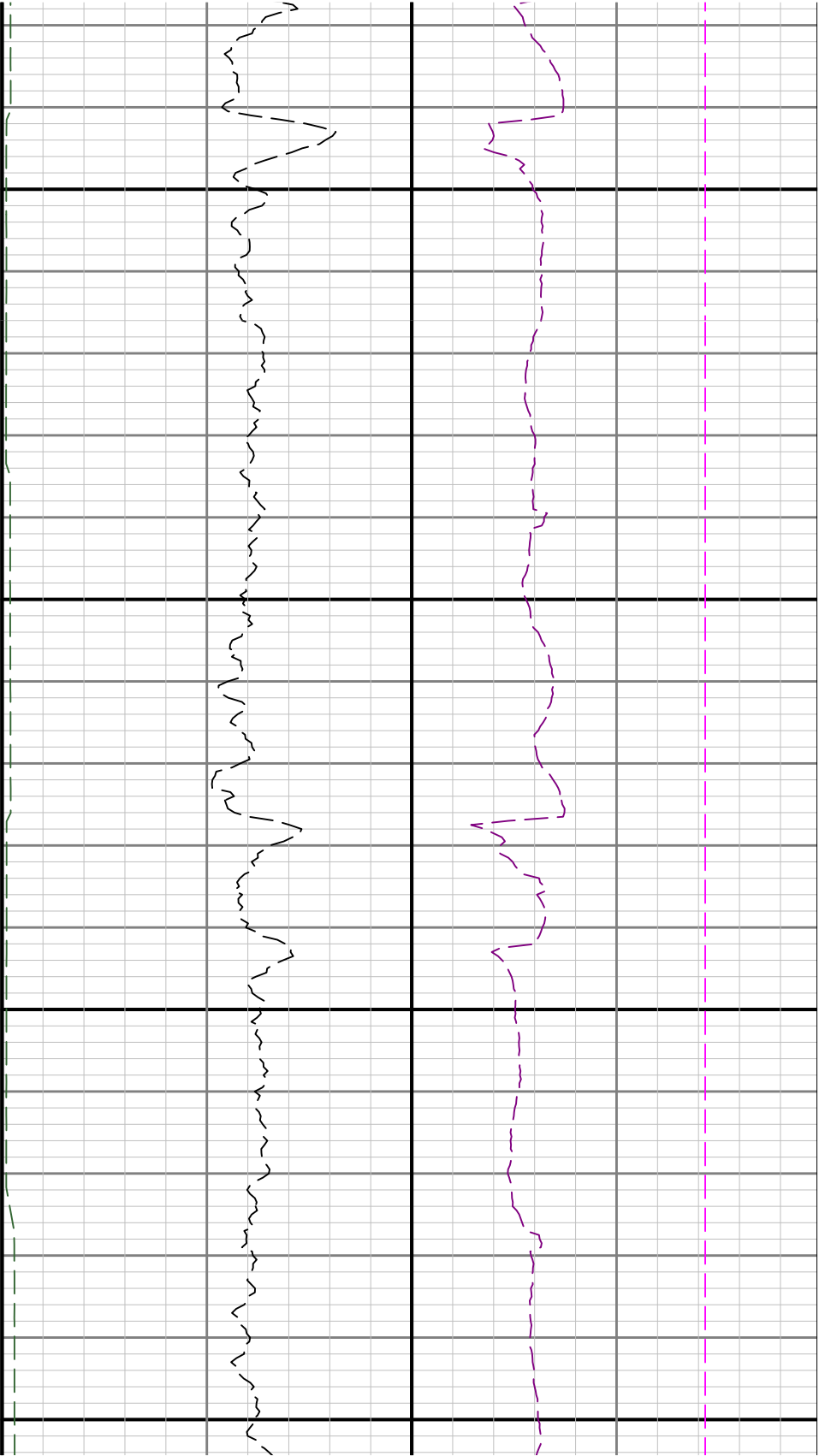


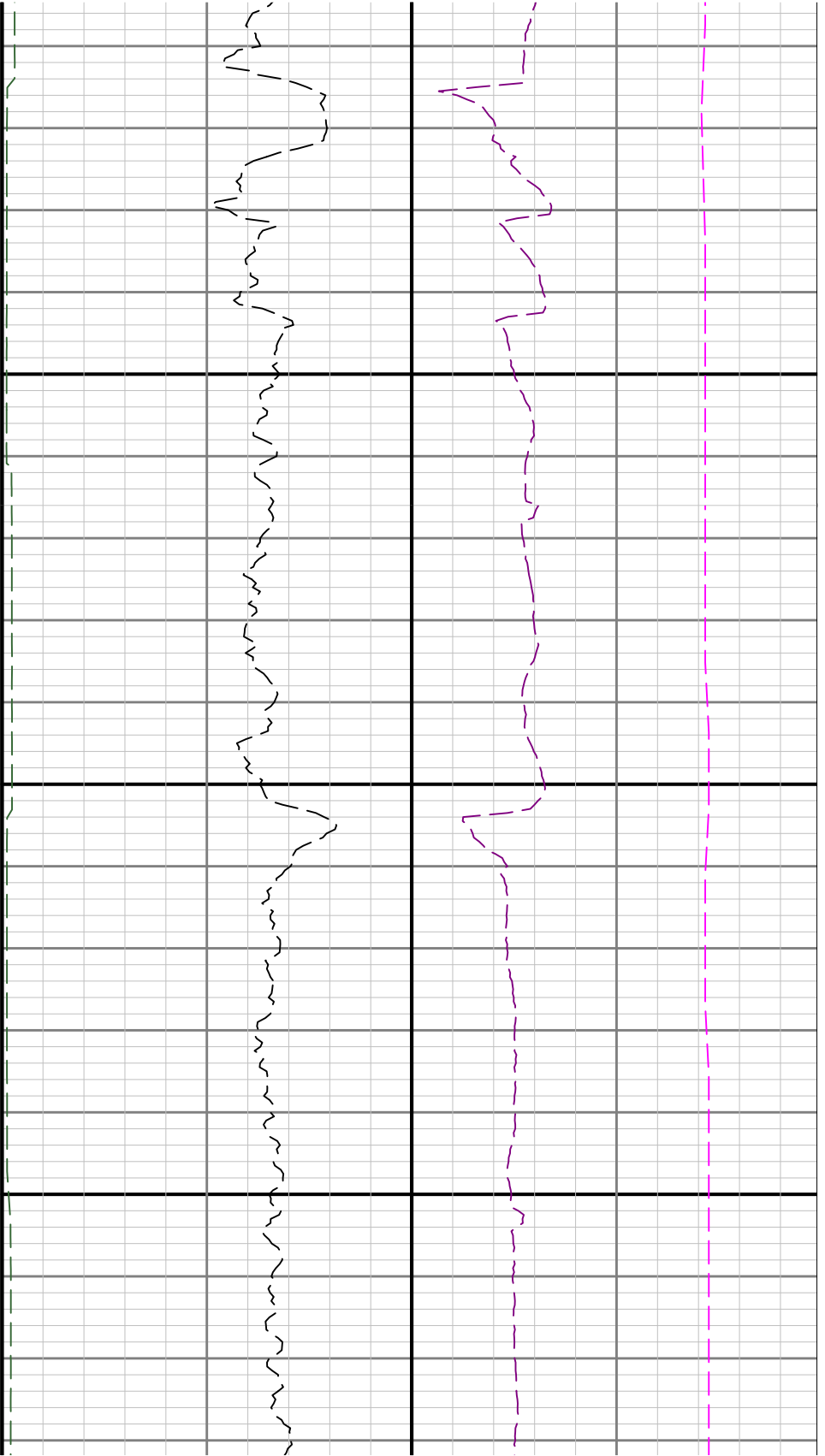


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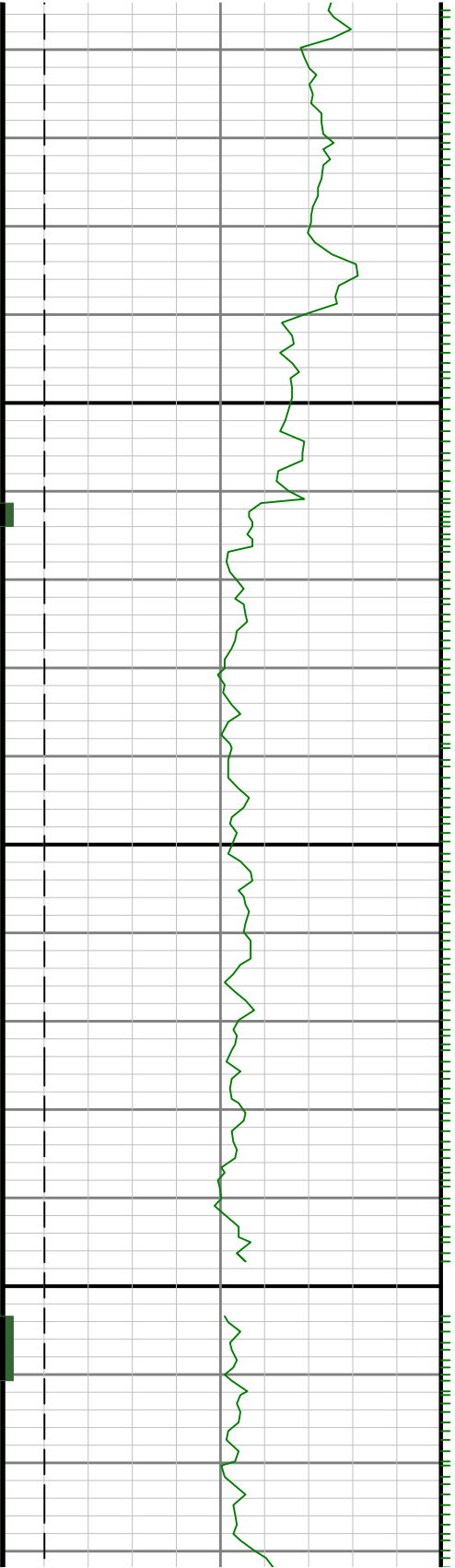
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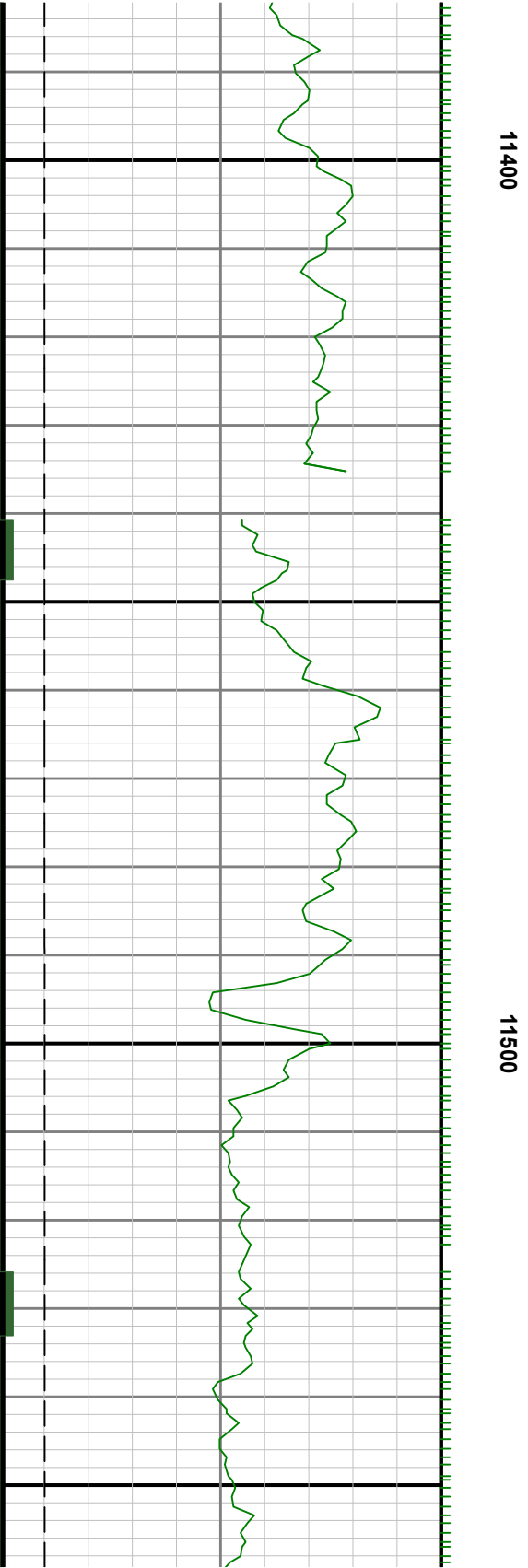
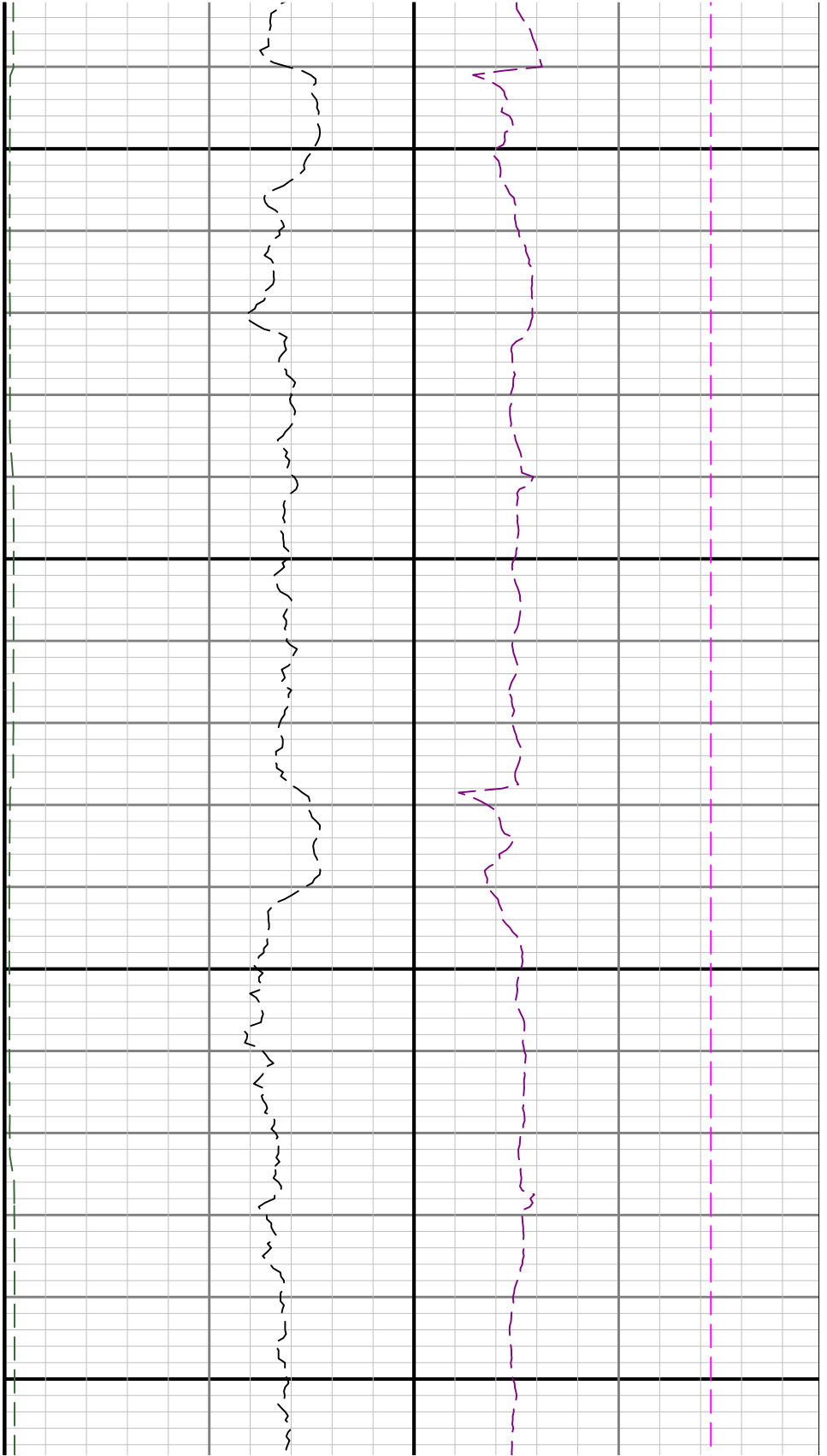


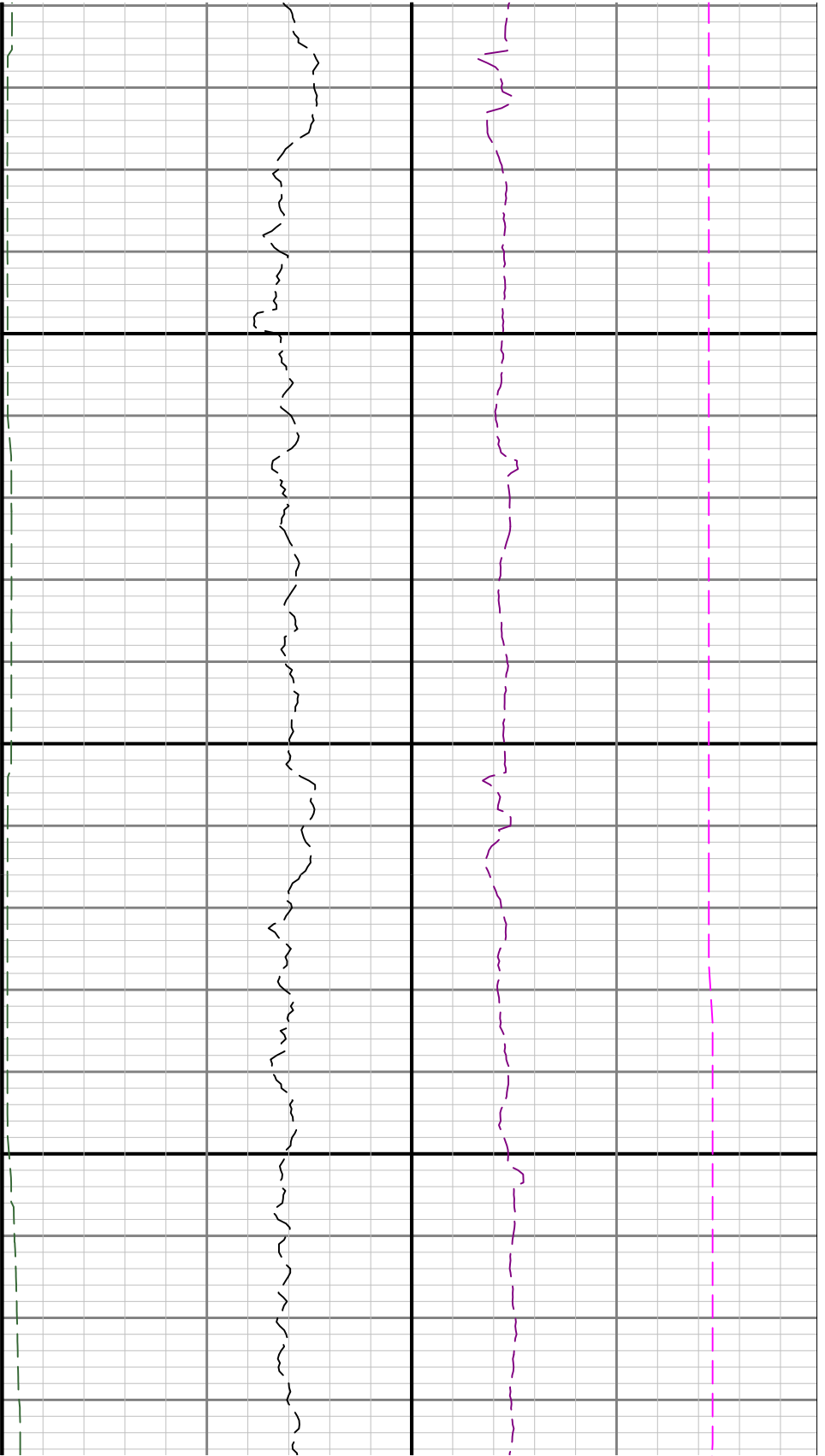




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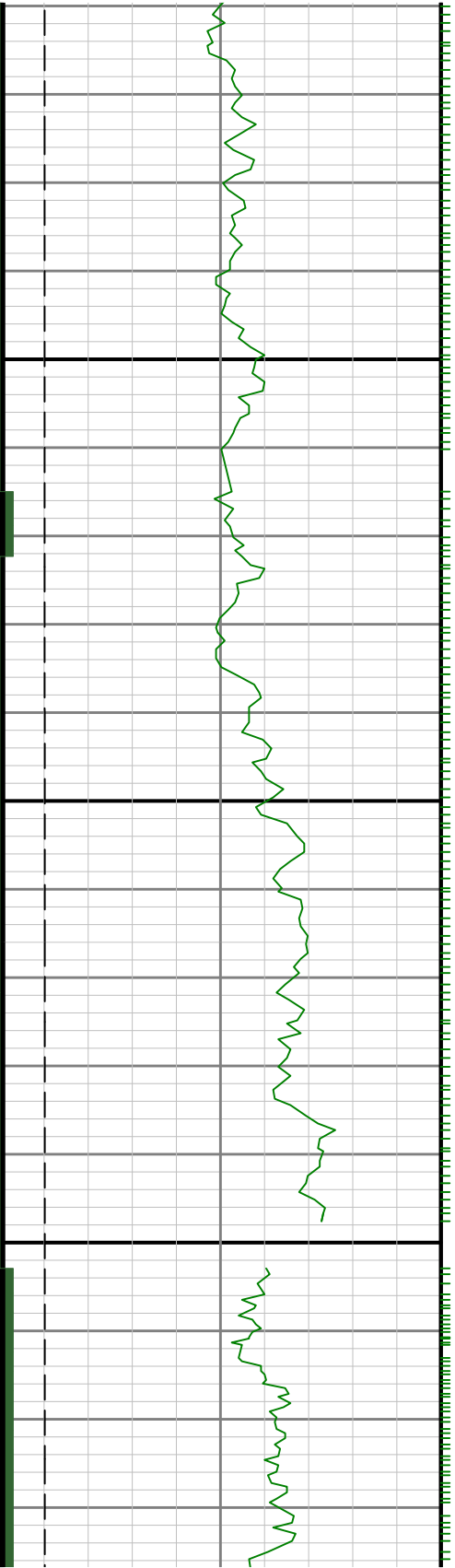


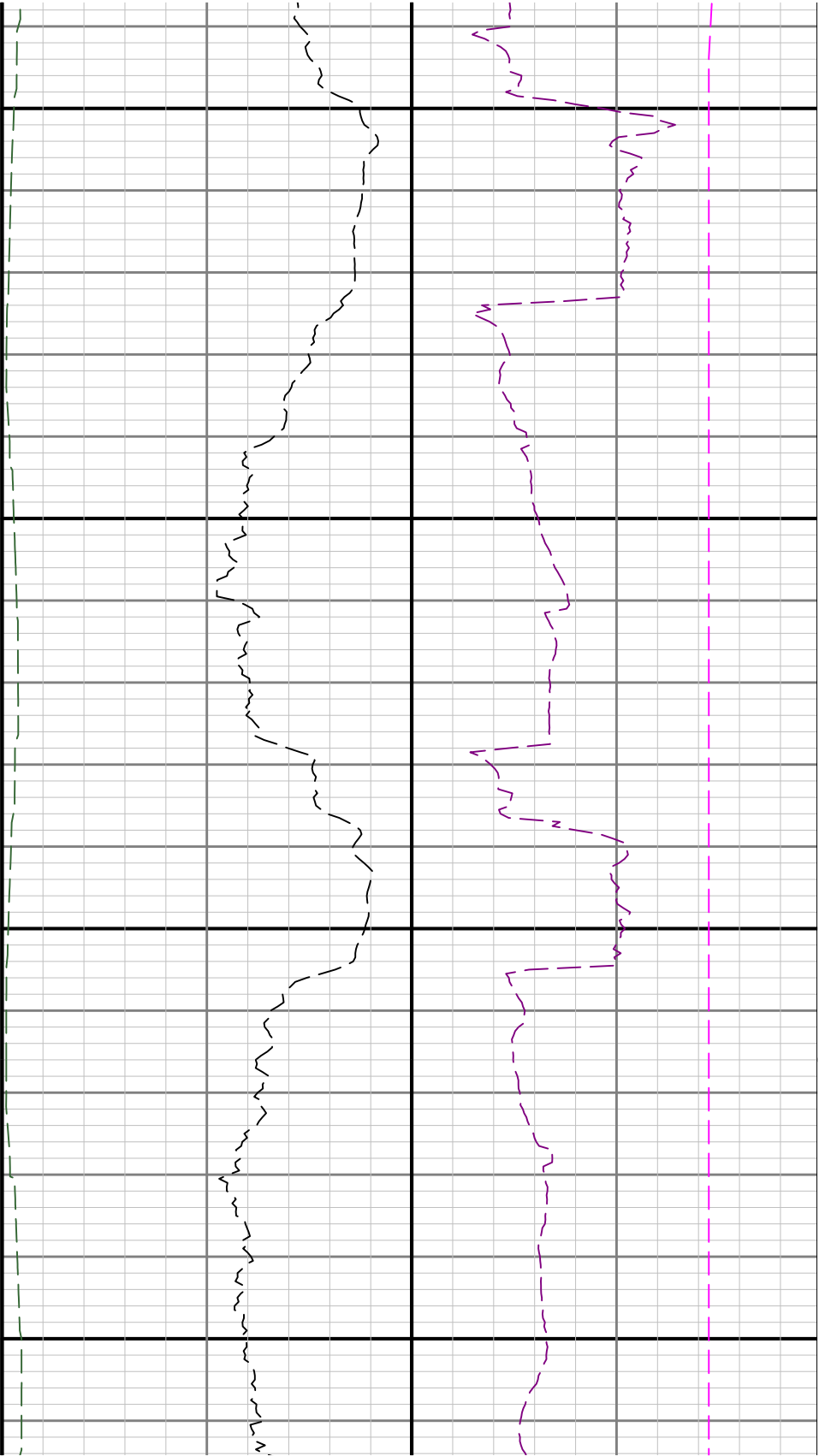




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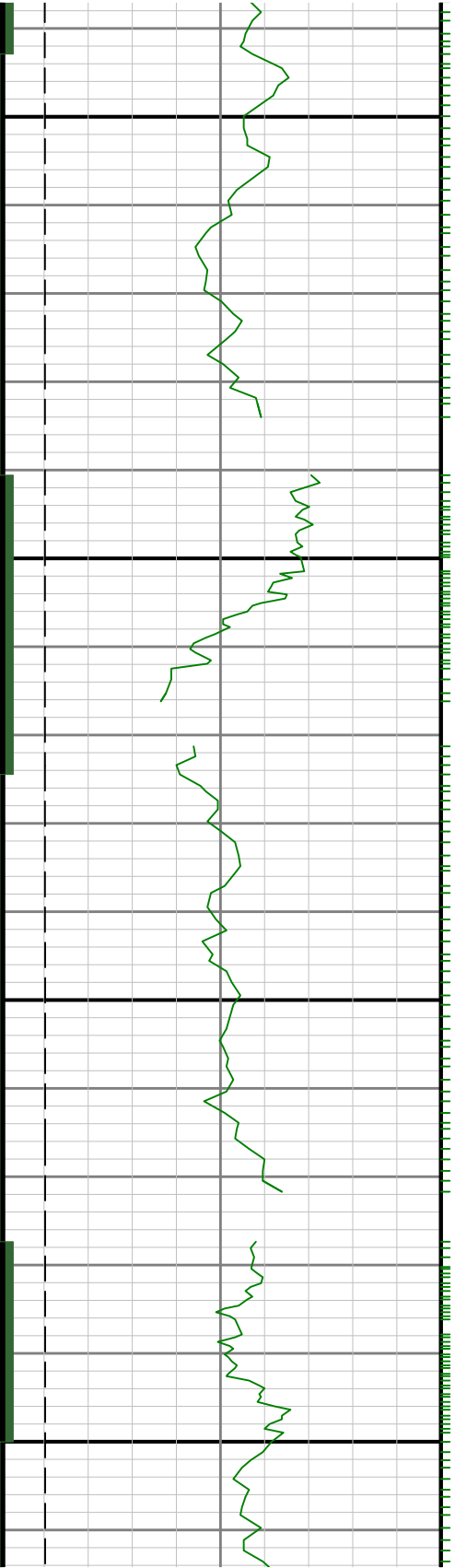
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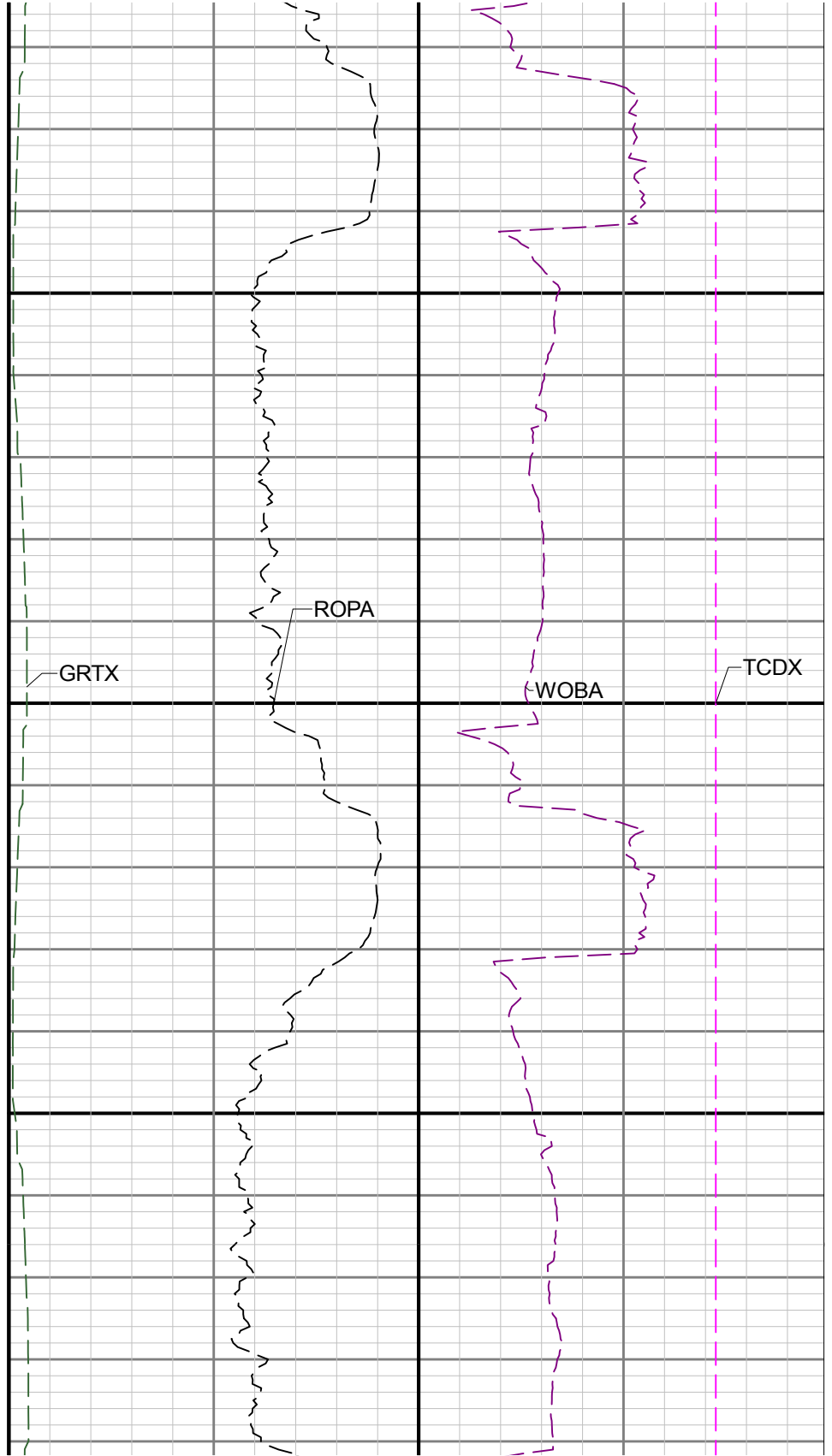
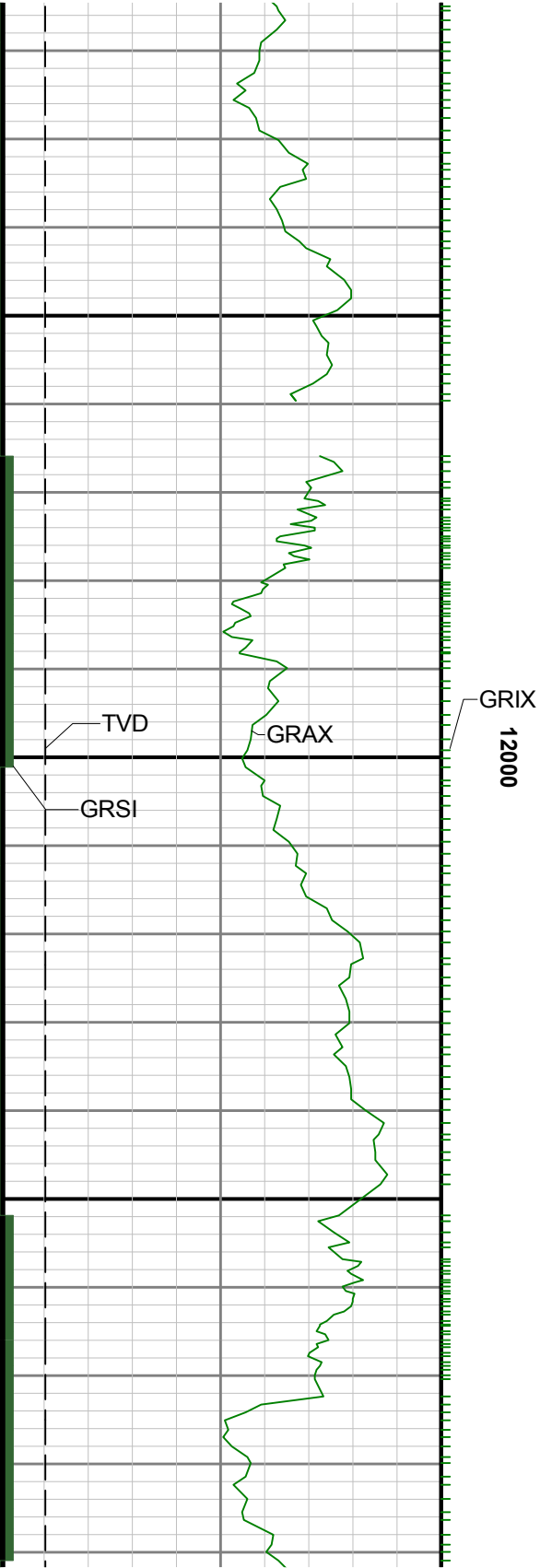


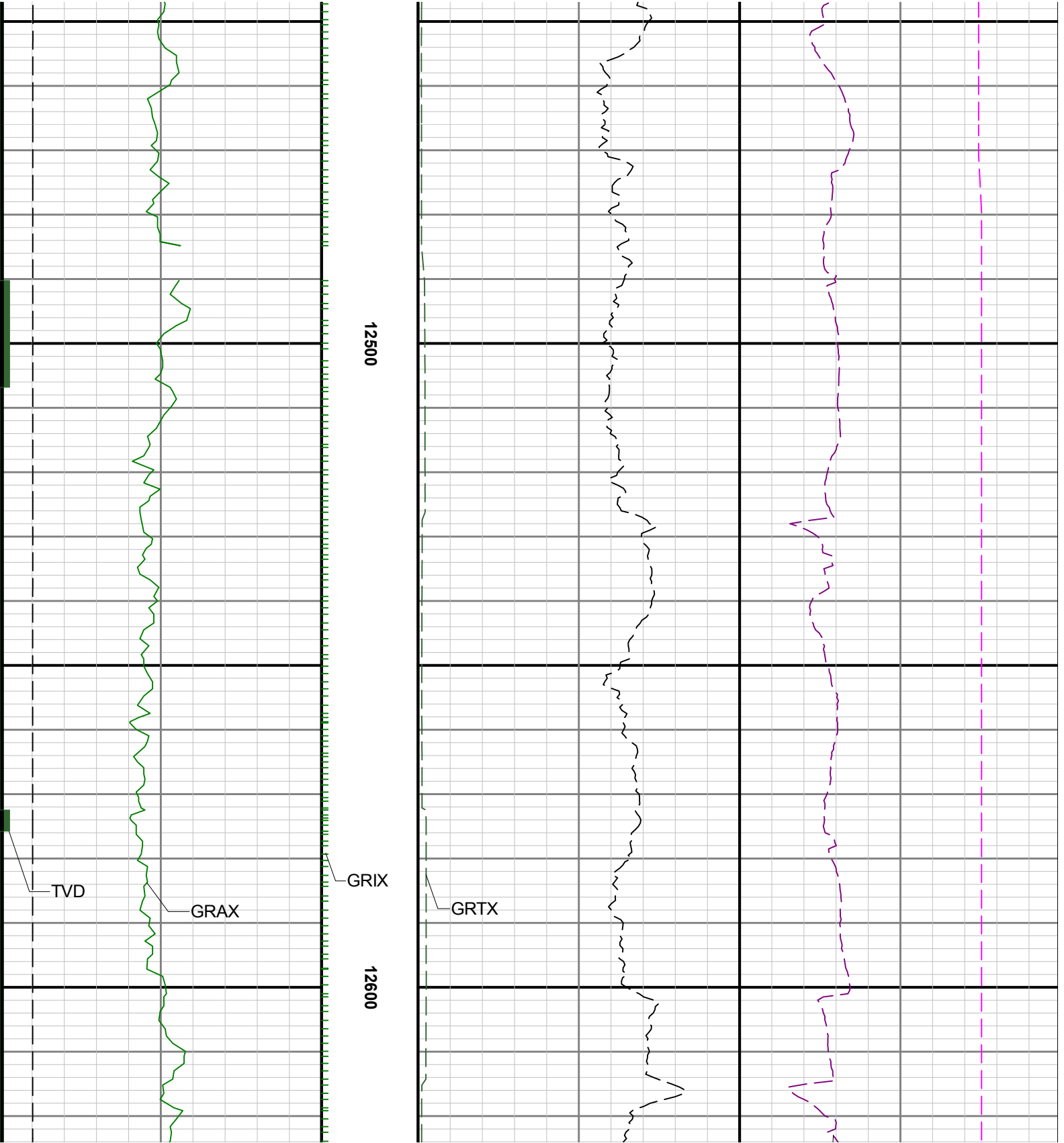


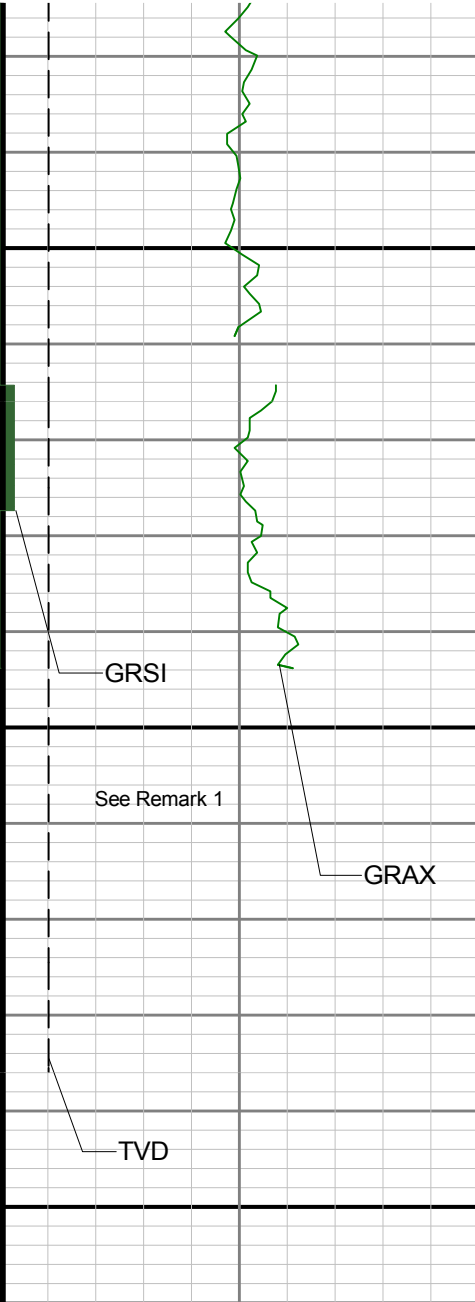
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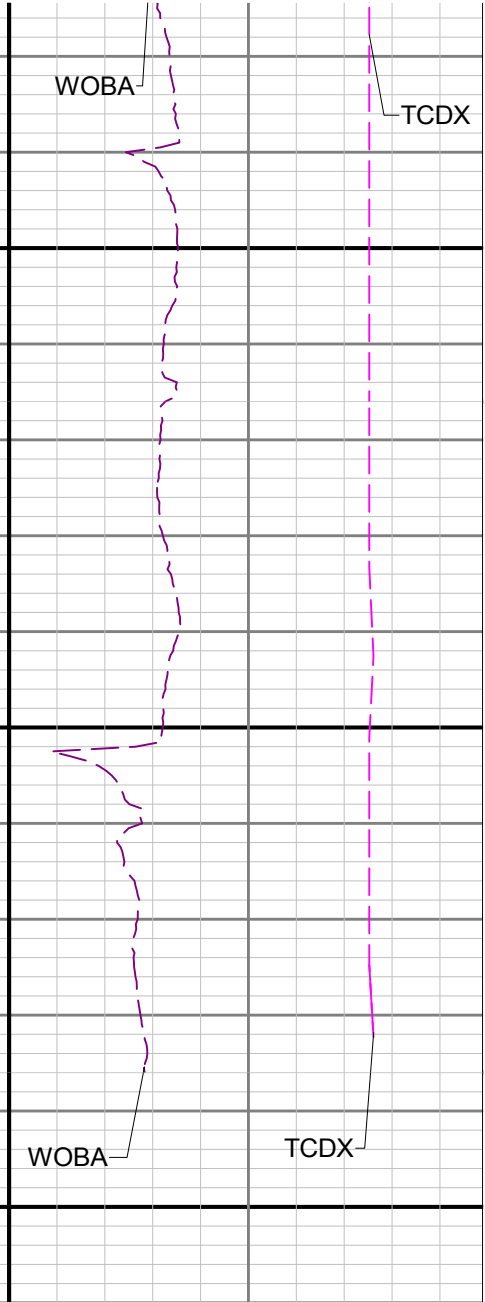
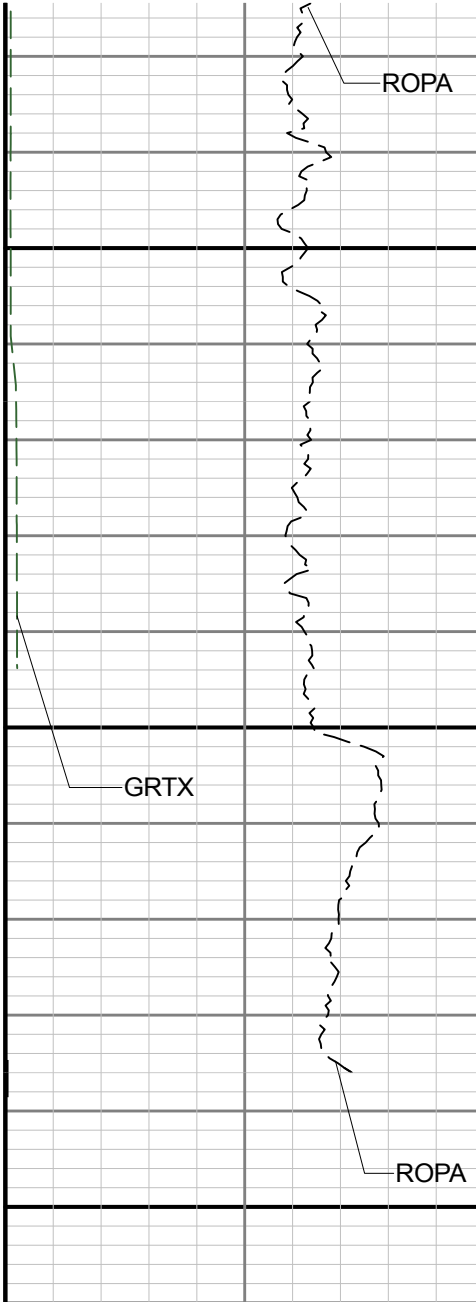




GRIX 12700

TD

MD 1:240 feet



Gamma Ray - Apparent 0.5 ft Average [GRAX]
0 200

API

True Vertical Depth [TVD]
8000 1000
ft

Gamma Time Since Drilled [GRTX]
0 600
min

Depth Averaged ROP 3 ft Average [ROPA]
1000 0
ft/h

Weight On Bit, Average 1 ft Average [WOBA]
0 100
klb

Downhole Temperature [TCDX]
0 300
degF