



LWD REALTIME LOG

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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	Motor	1524.34	7359.27	1572.00	7407.00	2015-05-28 15:21	2015-05-29 19:52	26.05
2	2	7.875	PDC	2.00	Motor	7366.41	7487.84	7407.00	7528.59	2015-05-30 06:34	2015-05-30 09:21	3.65
3	3	7.875	diamond	0.00	Motor	7487.84	7722.97	7528.59	7763.72	2015-05-30 19:40	2015-05-31 01:44	7.64
4	4	7.875	PDC	3.00	Motor	7707.65	13392.33	7763.72	13448.40	2015-05-31 13:19	2015-06-02 08:09	39.54

Crew

Name		Arrive Wellsite	Depart Wellsite	Name		Arrive Wellsite	Depart Wellsite	Name		Arrive Wellsite	Depart Wellsite
Andrew Overbey		2015-05-28	2015-06-03	Osagie Otoikhine		2015-05-28	2015-05-29	Jason Cross		2015-05-29	2015-05-31
John Raia		2015-05-29	2015-06-03	Marcus Boucher		2015-05-29	2015-06-03	Adam Harris		2015-06-01	2015-06-03

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+ (%)
2015-05-28 18:00		1	2127.00	Diesel-Oil Based Mud	9.2	62	N/A	0.0	63.5/28	Active Mud Pits	61000	0.00
2015-05-29 18:00		1	7258.00	Diesel-Oil Based Mud	9.4	61	N/A	0.0	61.5/29	Active Mud Pits	57000	0.00
2015-05-30 18:00		3	7528.00	Diesel-Oil Based Mud	9.5	67	N/A	0.0	68.3/31.7	Active Mud Pits	60000	0.00
2015-05-31 18:00		4	8435.00	Diesel-Oil Based Mud	9.3	59	N/A	0.0	70.6/29.4	Active Mud Pits	69000	0.00
2015-06-01 18:00		4	11917.00	Diesel-Oil Based Mud	9.4	55	N/A	0.0	70.9/29.1	Active Mud Pits	56000	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	10350731	Gamma (single)	16.62	47.66	6.500	2.813
1	NaviGamma	10350731	VSS	19.72	50.76	6.500	2.813
1	NaviGamma	10350731	Directional (mag)	19.72	50.76	6.500	2.813
2	NaviGamma	10350731	Gamma (single)	16.62	40.75	6.500	2.813
2	NaviGamma	10350731	VSS	19.72	43.85	6.500	2.813
2	NaviGamma	10350731	Directional (mag)	19.72	43.85	6.500	2.813
3	NaviGamma	10350731	Gamma (single)	16.62	40.75	6.500	2.813

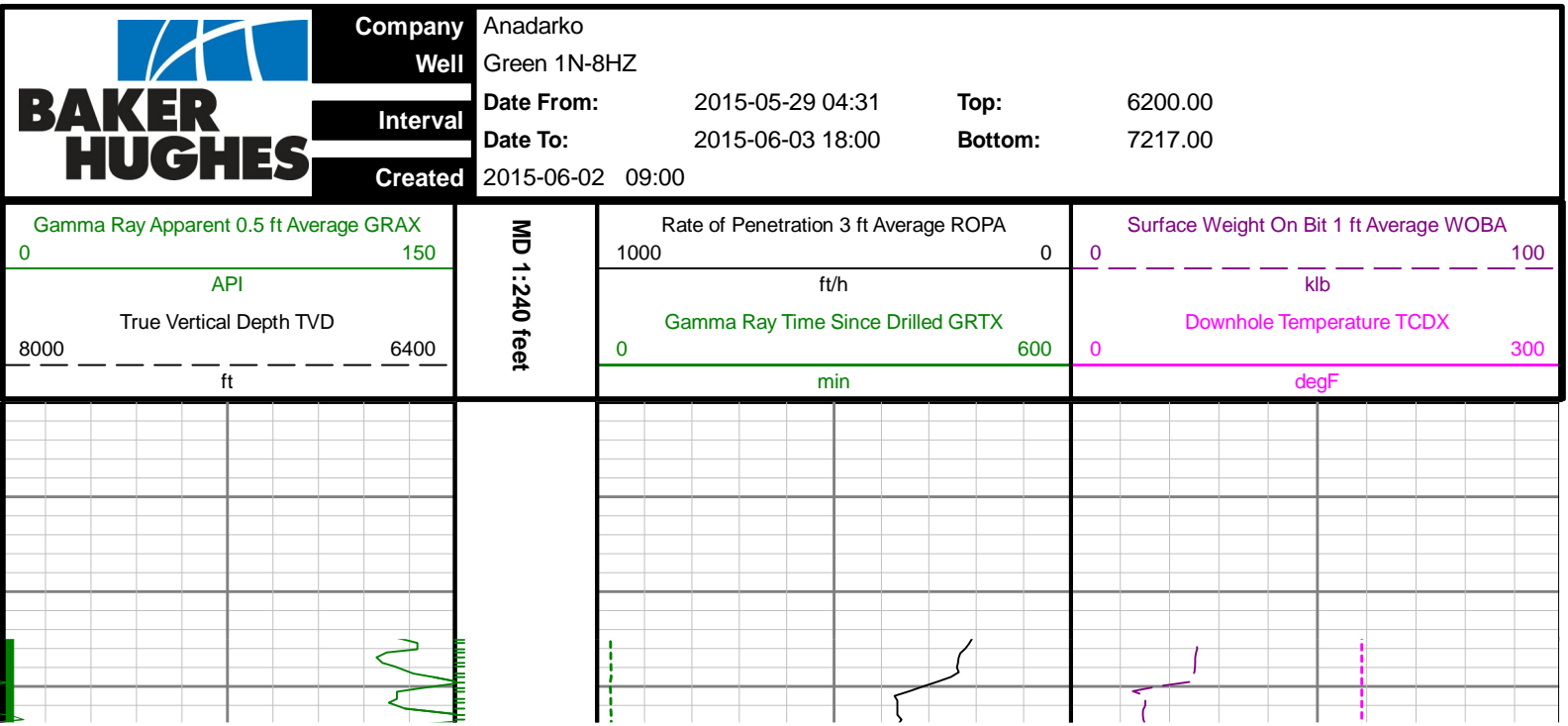
3	NaviGamma	10350731	VSS	19.72	43.85	6.500	2.813
3	NaviGamma	10350731	Directional (mag)	19.72	43.85	6.500	2.813
4	NaviGamma	10350731	Gamma (single)	16.62	56.07	6.500	2.813
4	NaviGamma	10350731	VSS	19.72	59.17	6.500	2.813
4	NaviGamma	10350731	Directional (mag)	19.72	59.17	6.500	2.813

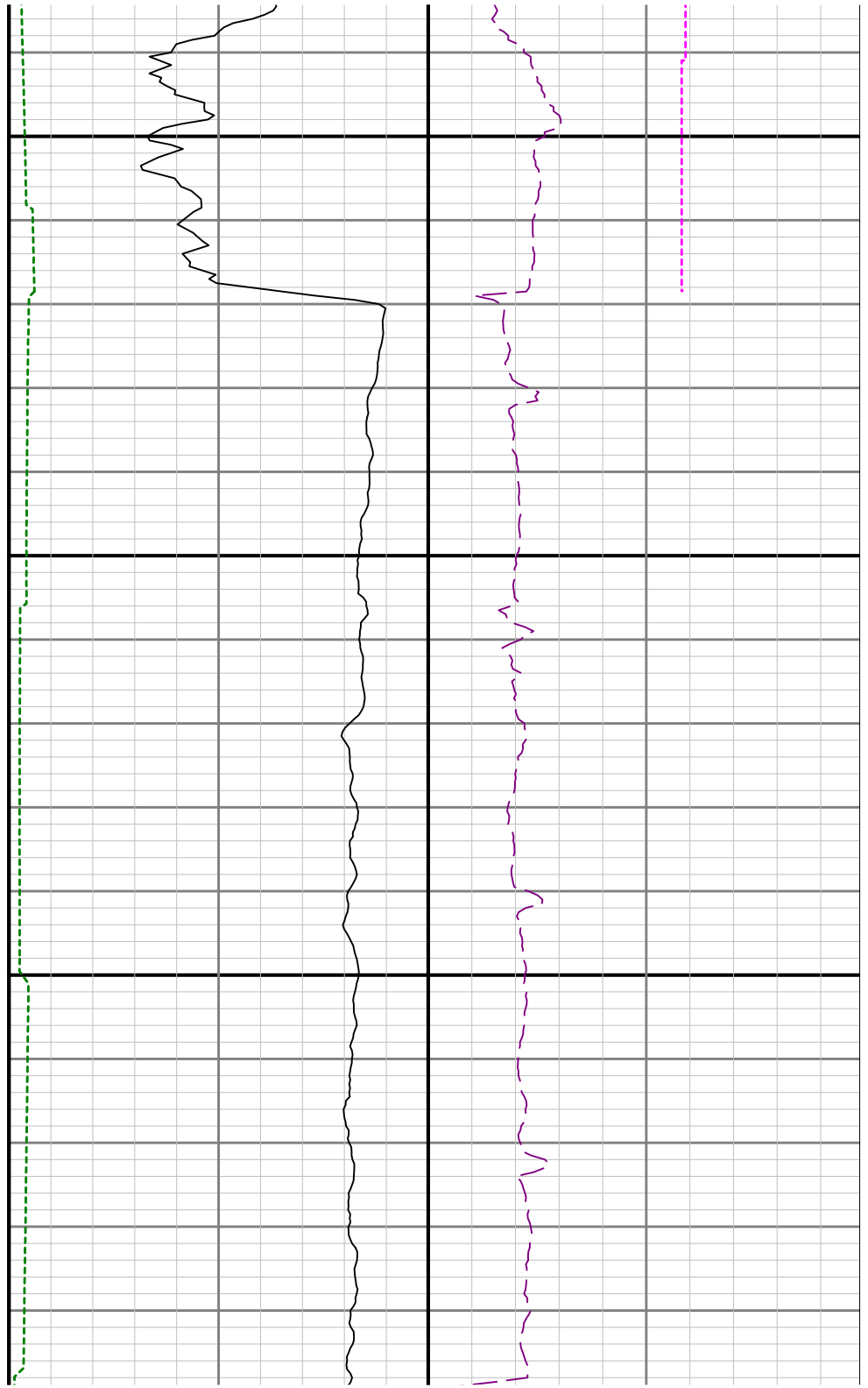
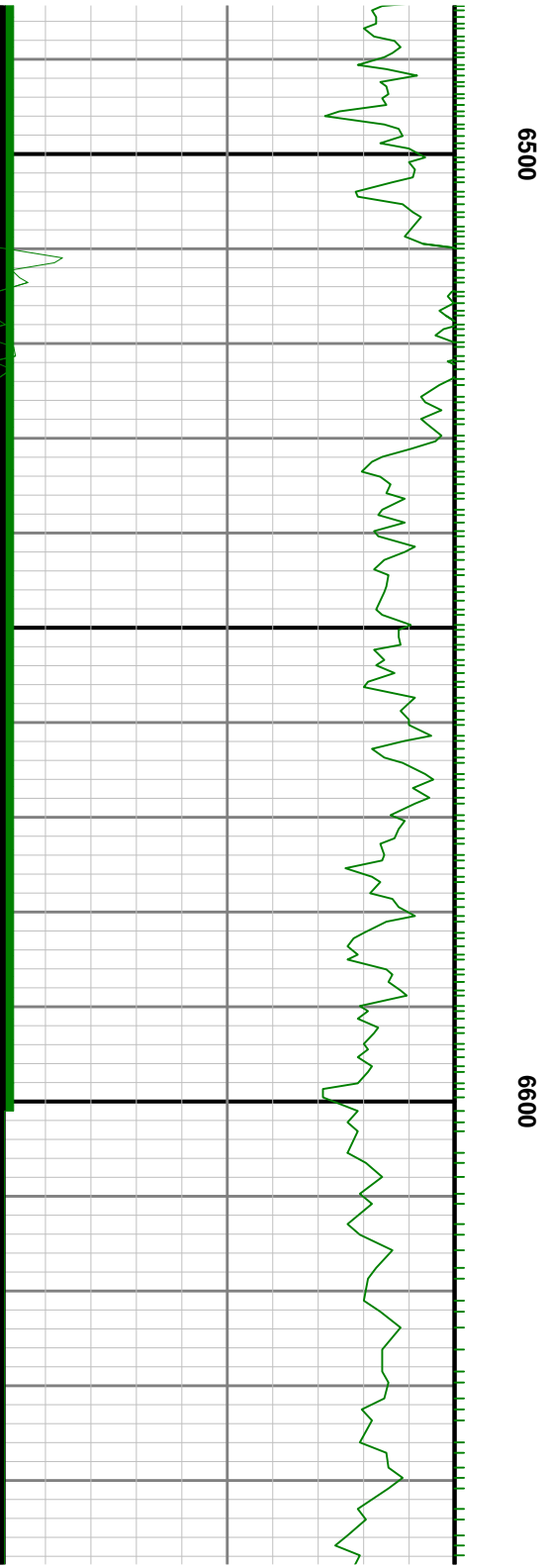
Service and Tool Mnemonics

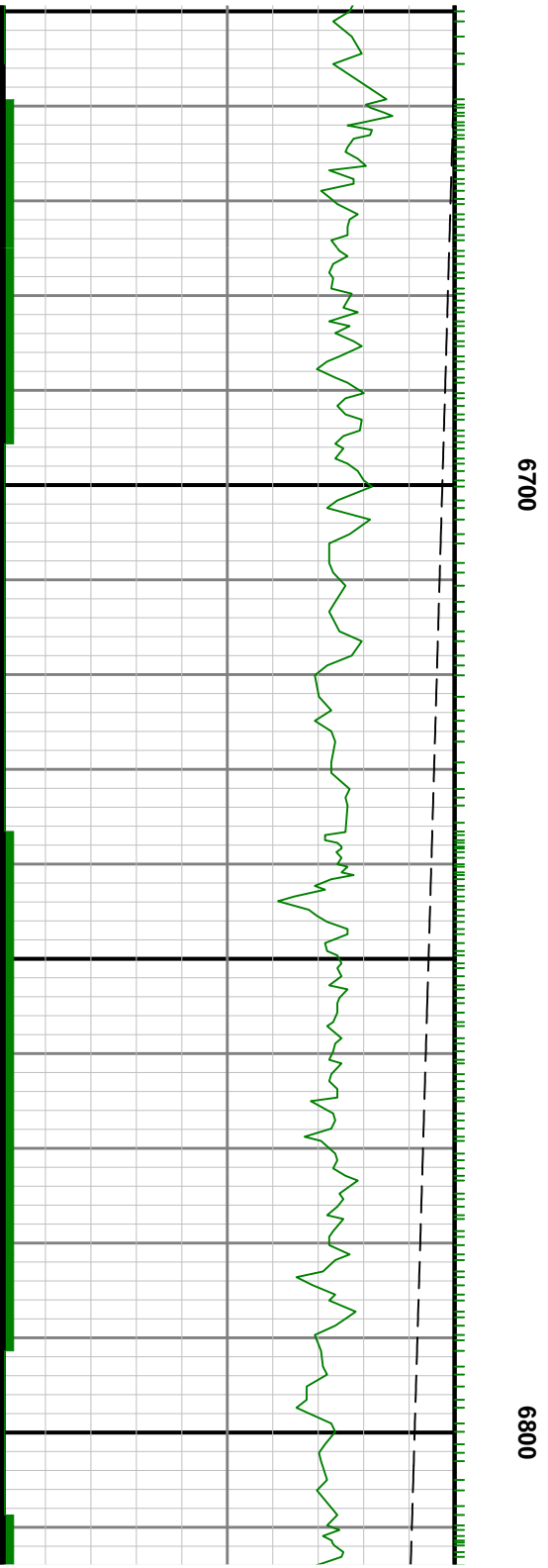
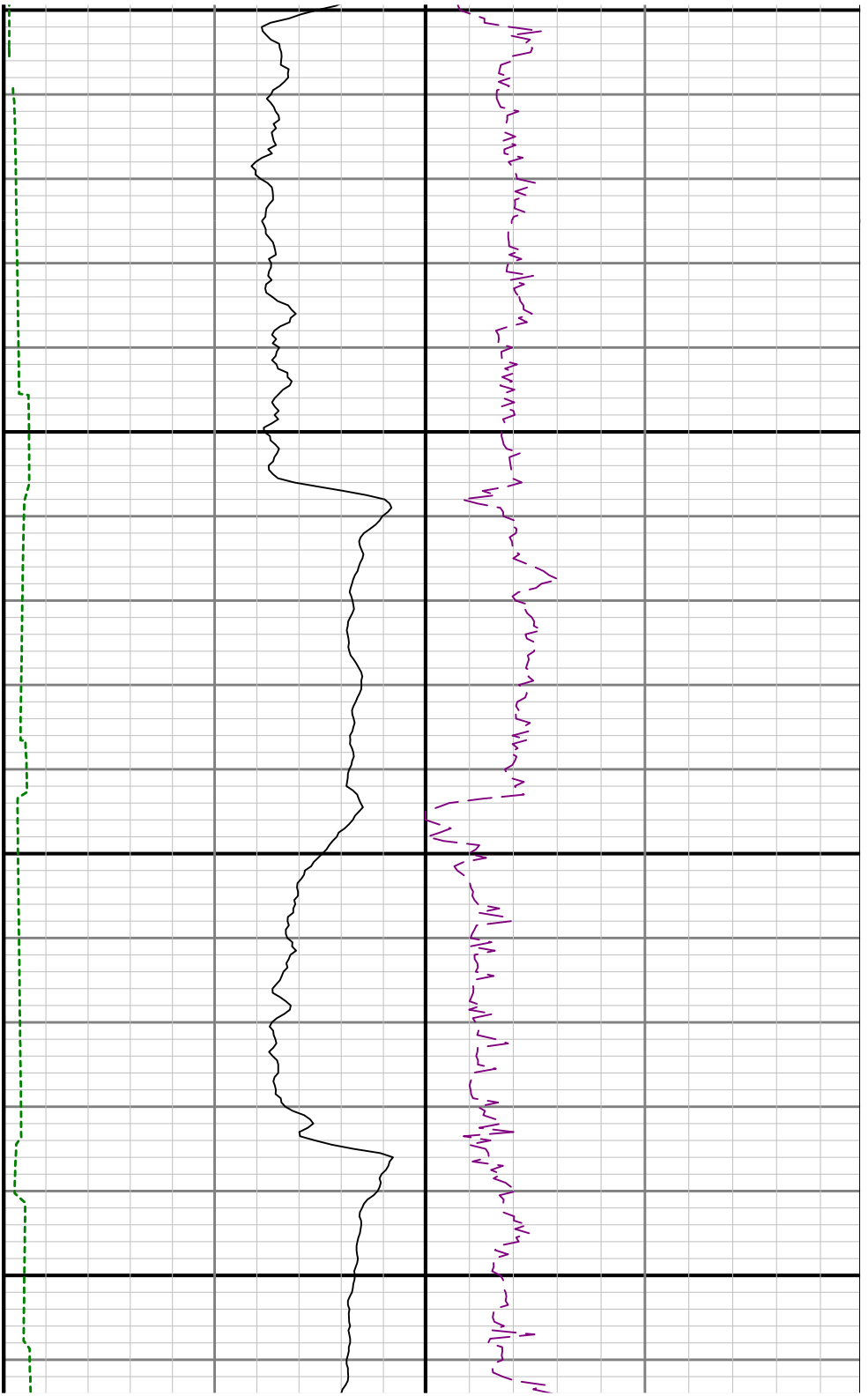
Mnemonic	Name	Description
GAM	NaviGamma	Probe Based Gamma Module, NaviTrak Platform

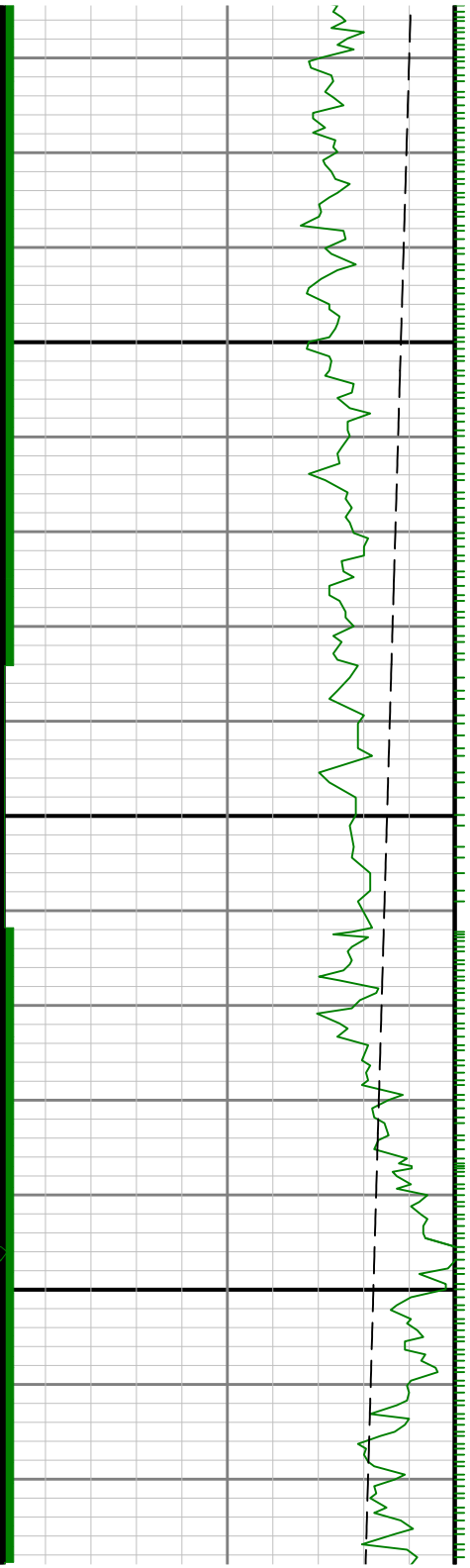
Curve Mnemonics

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

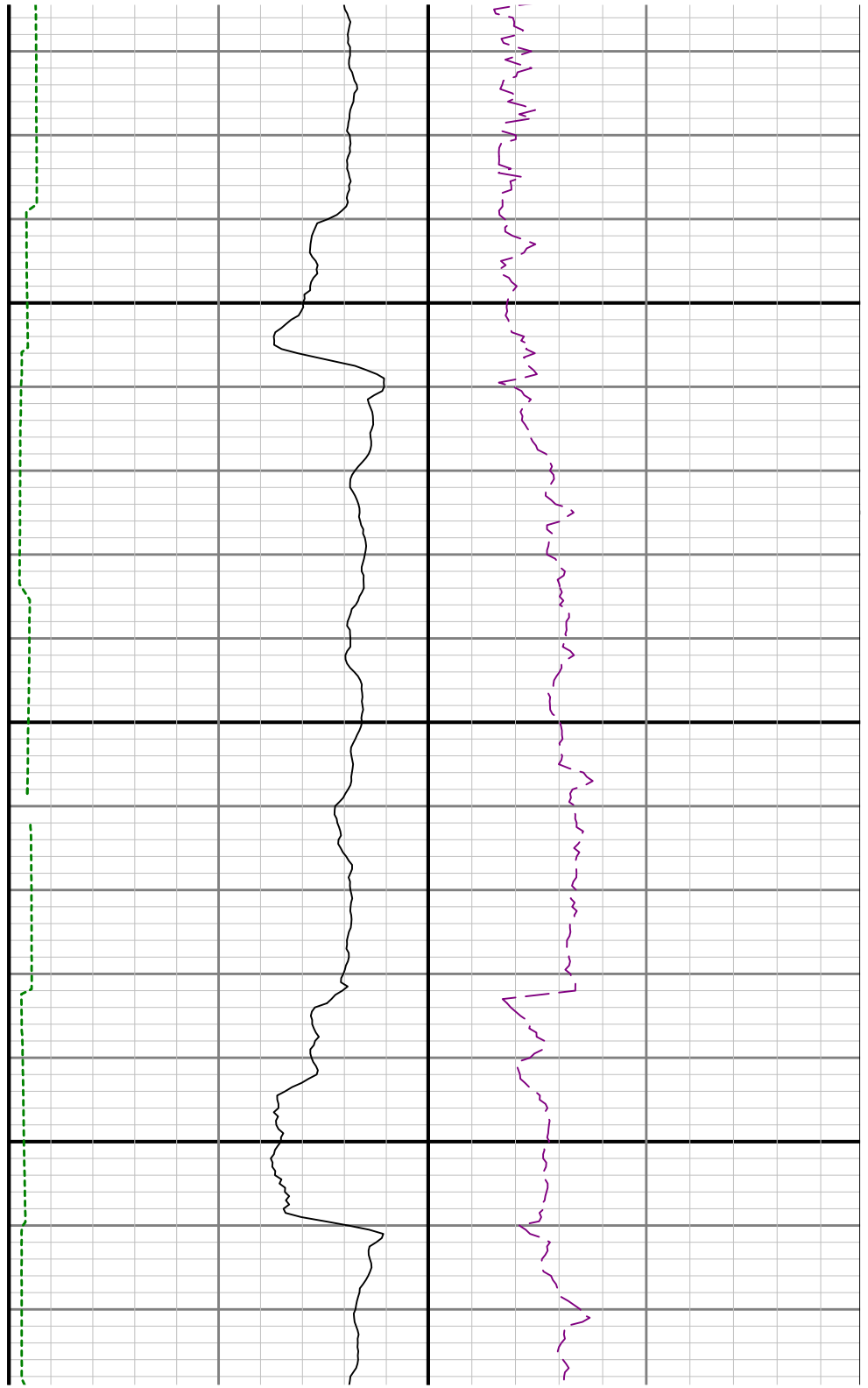


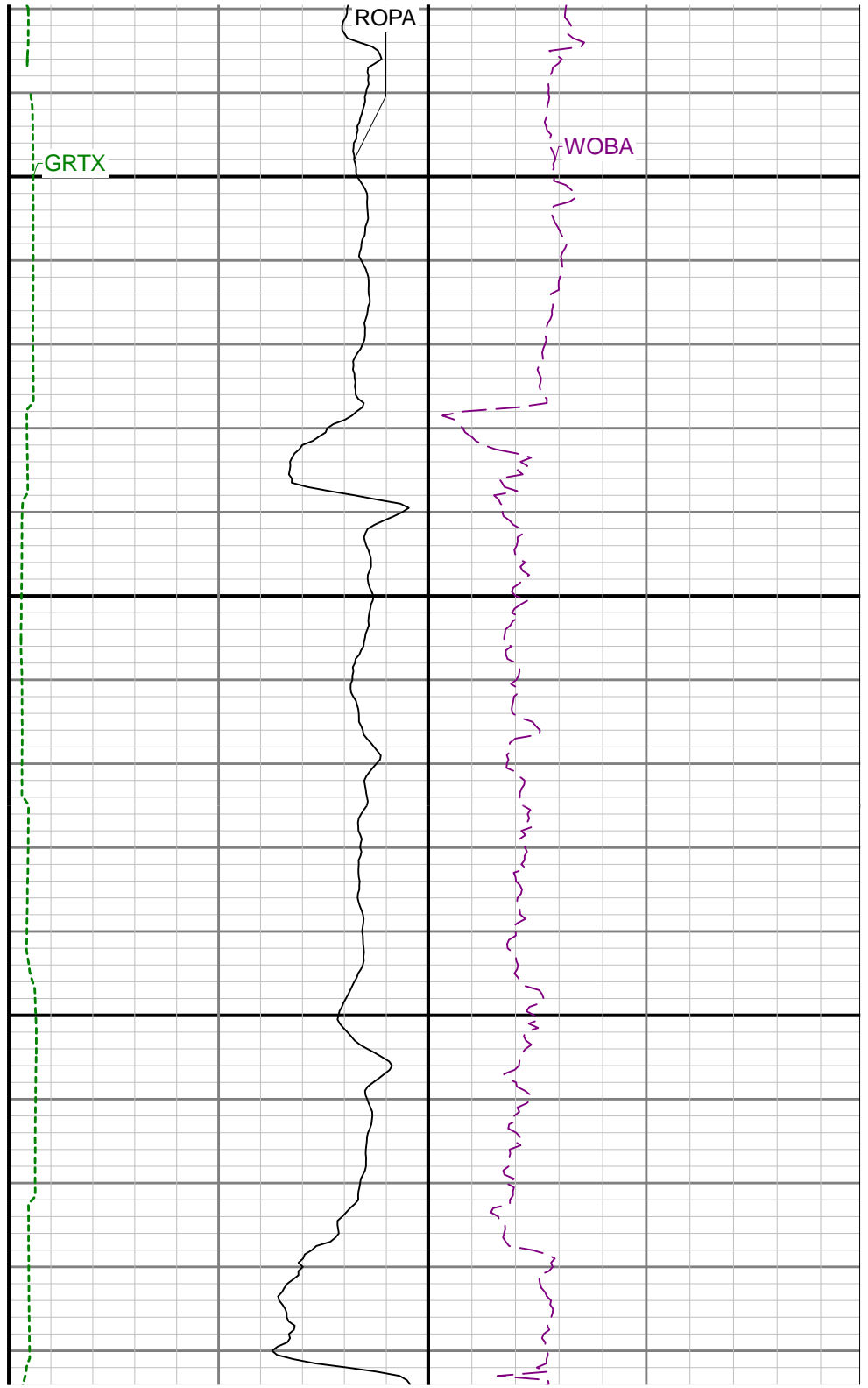
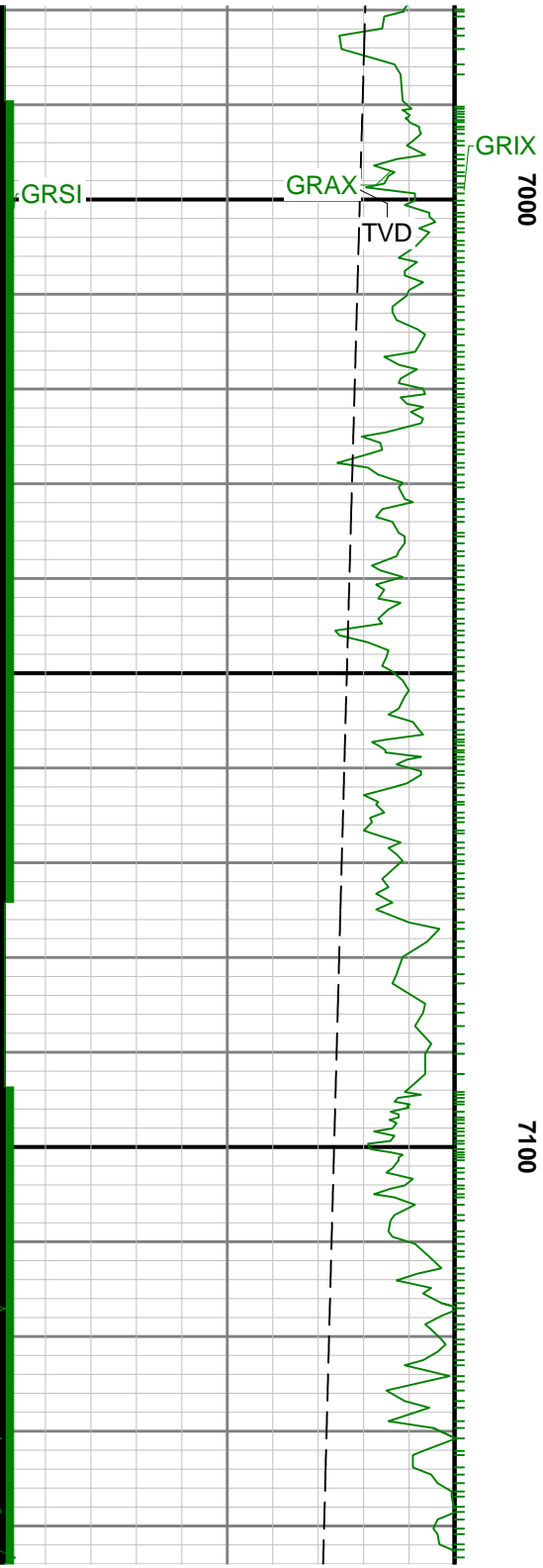


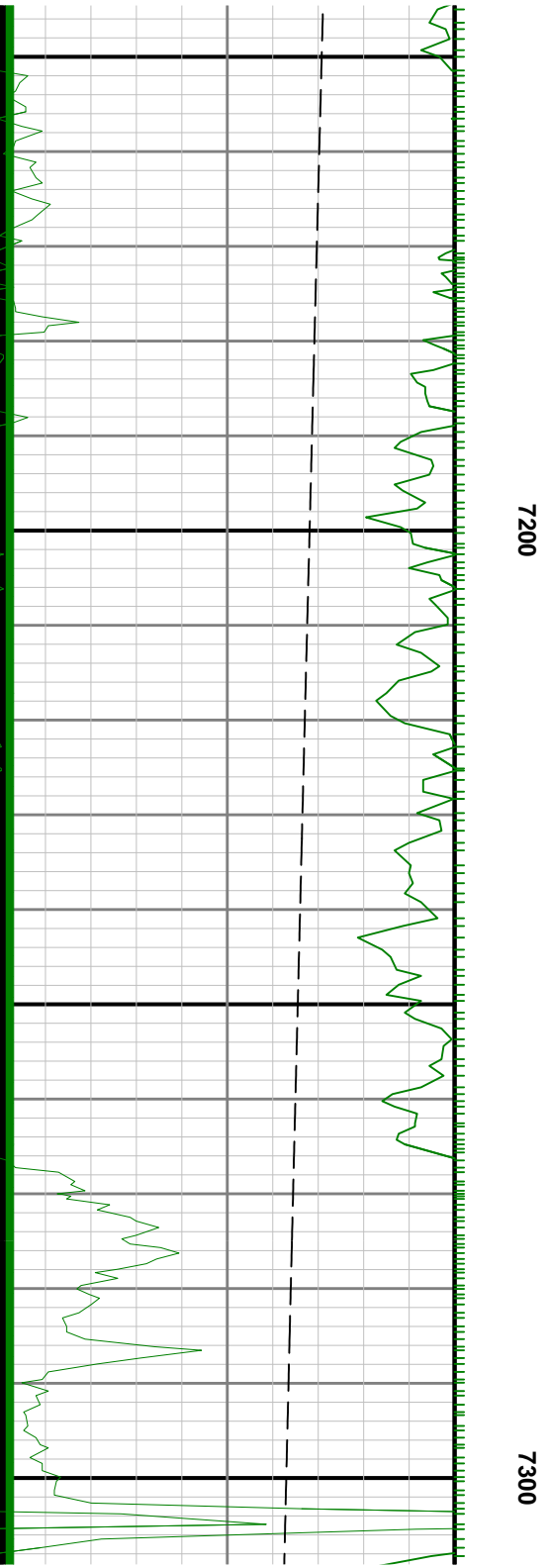
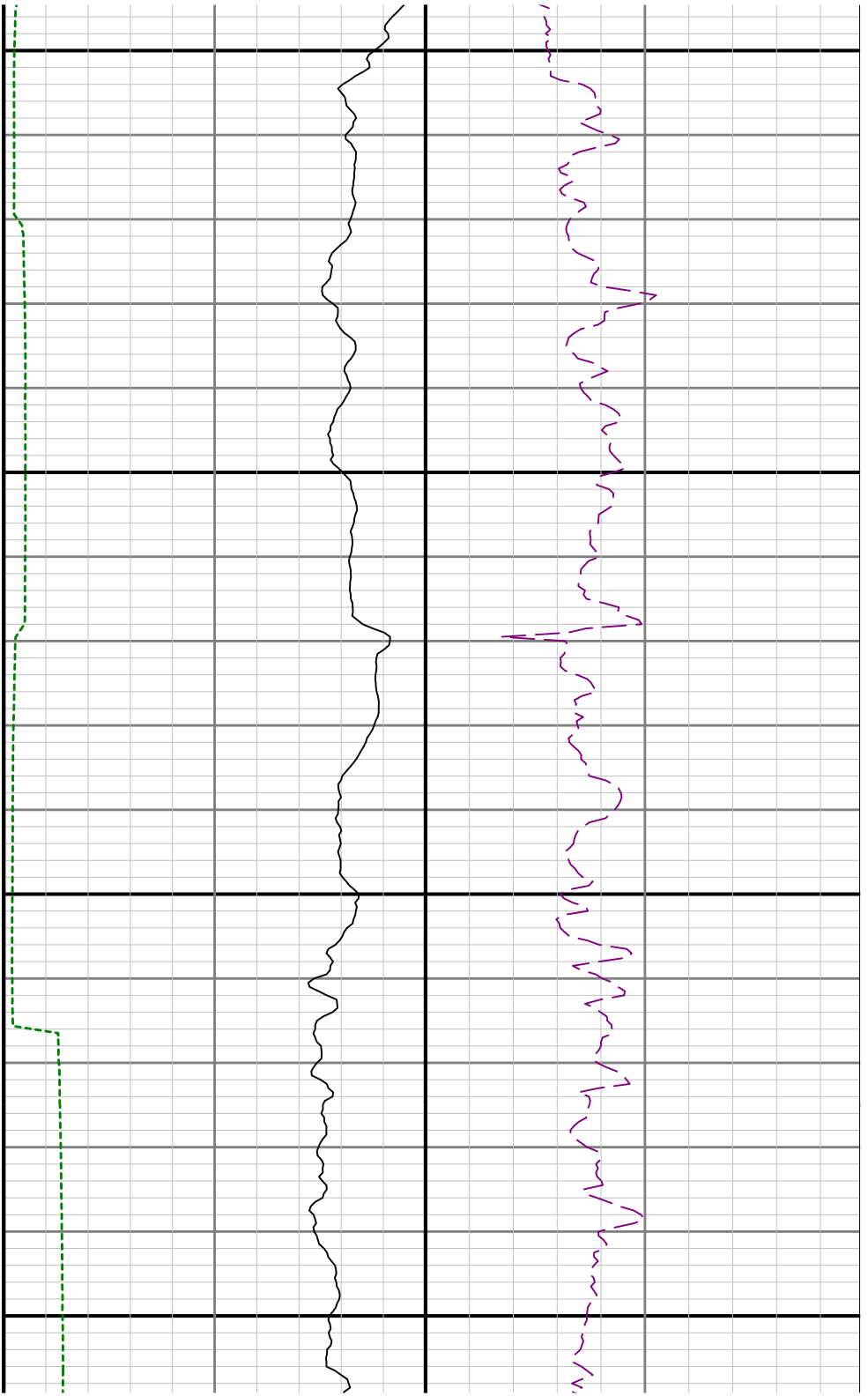


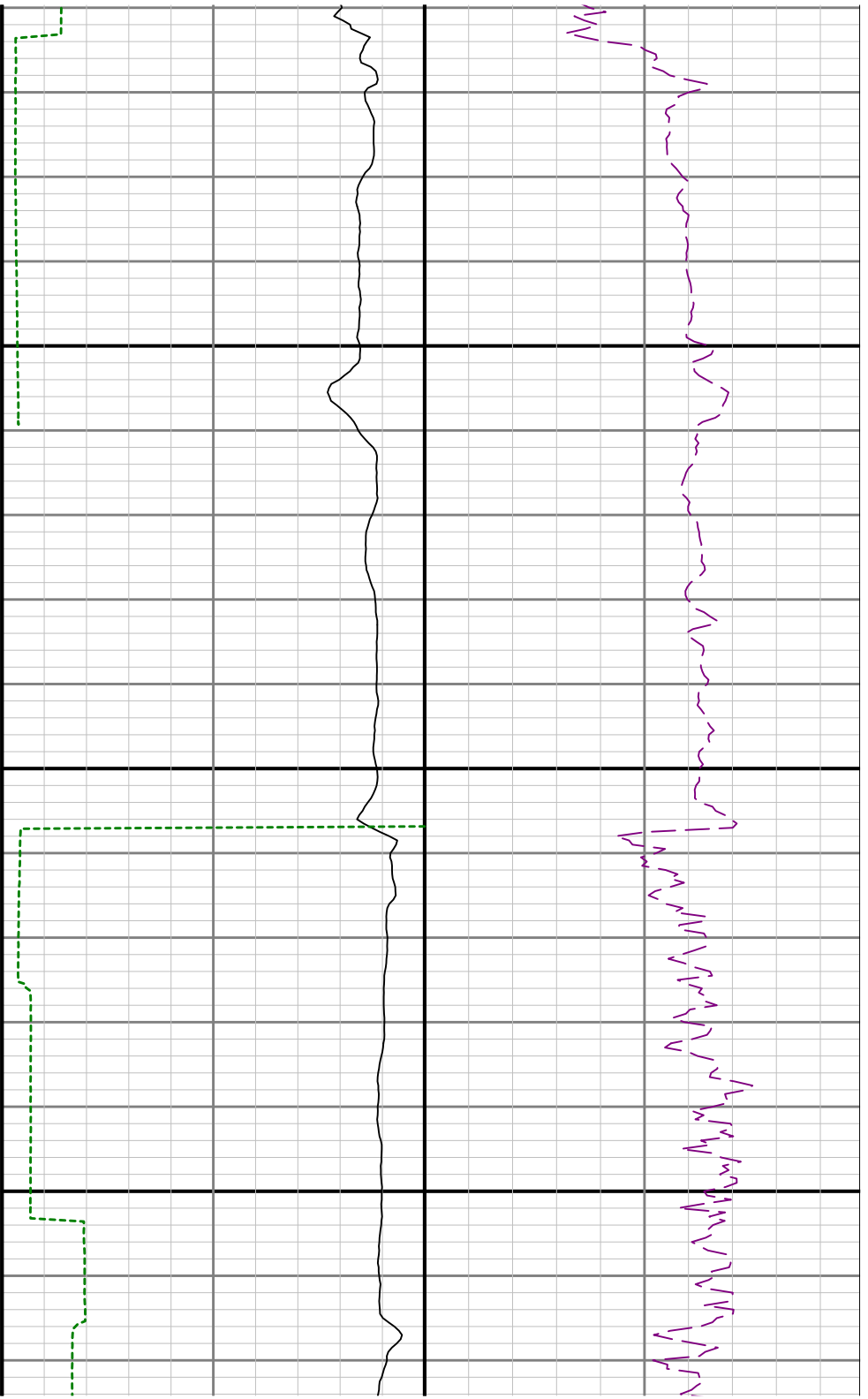


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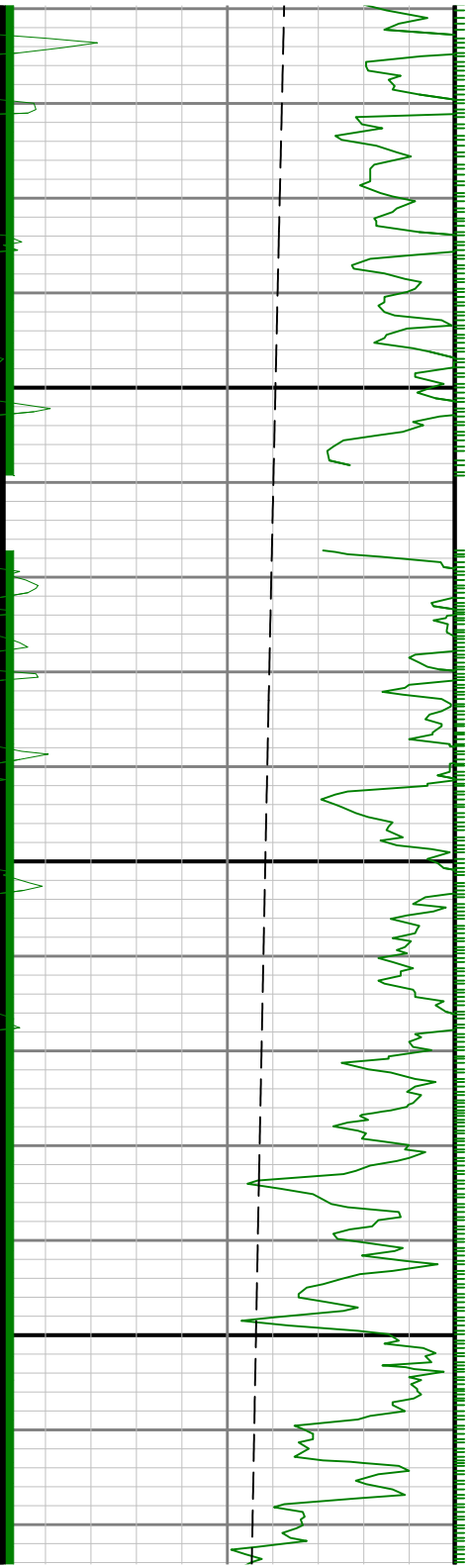


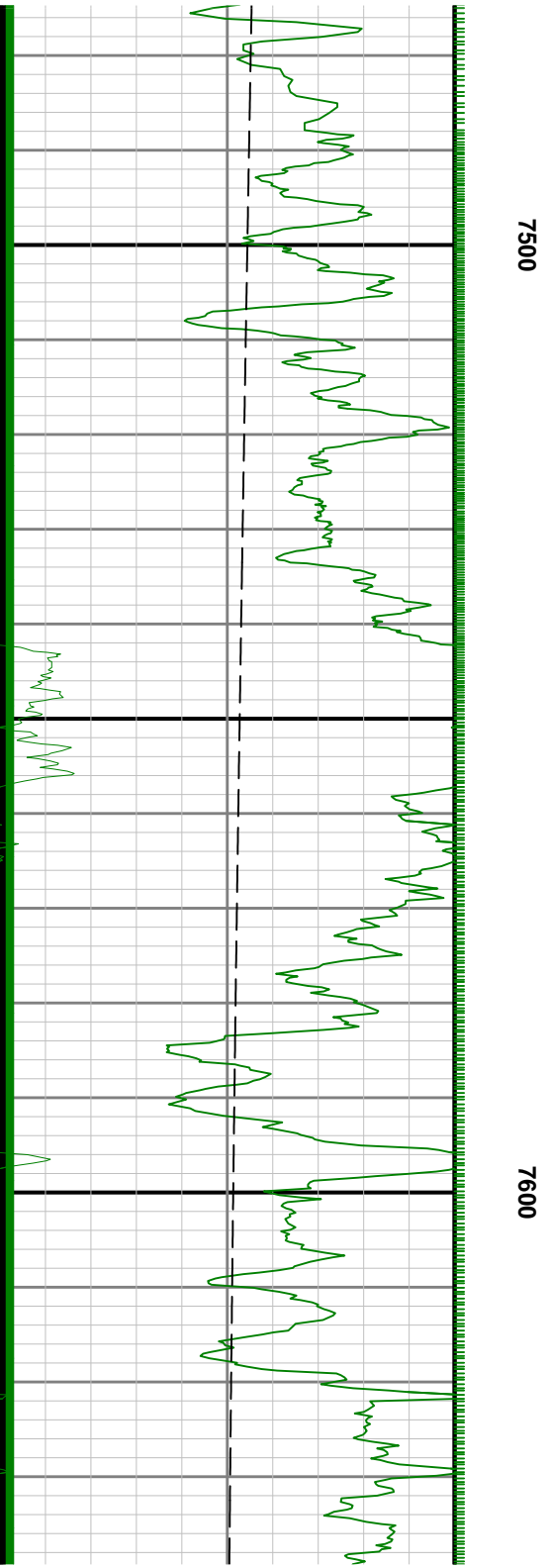
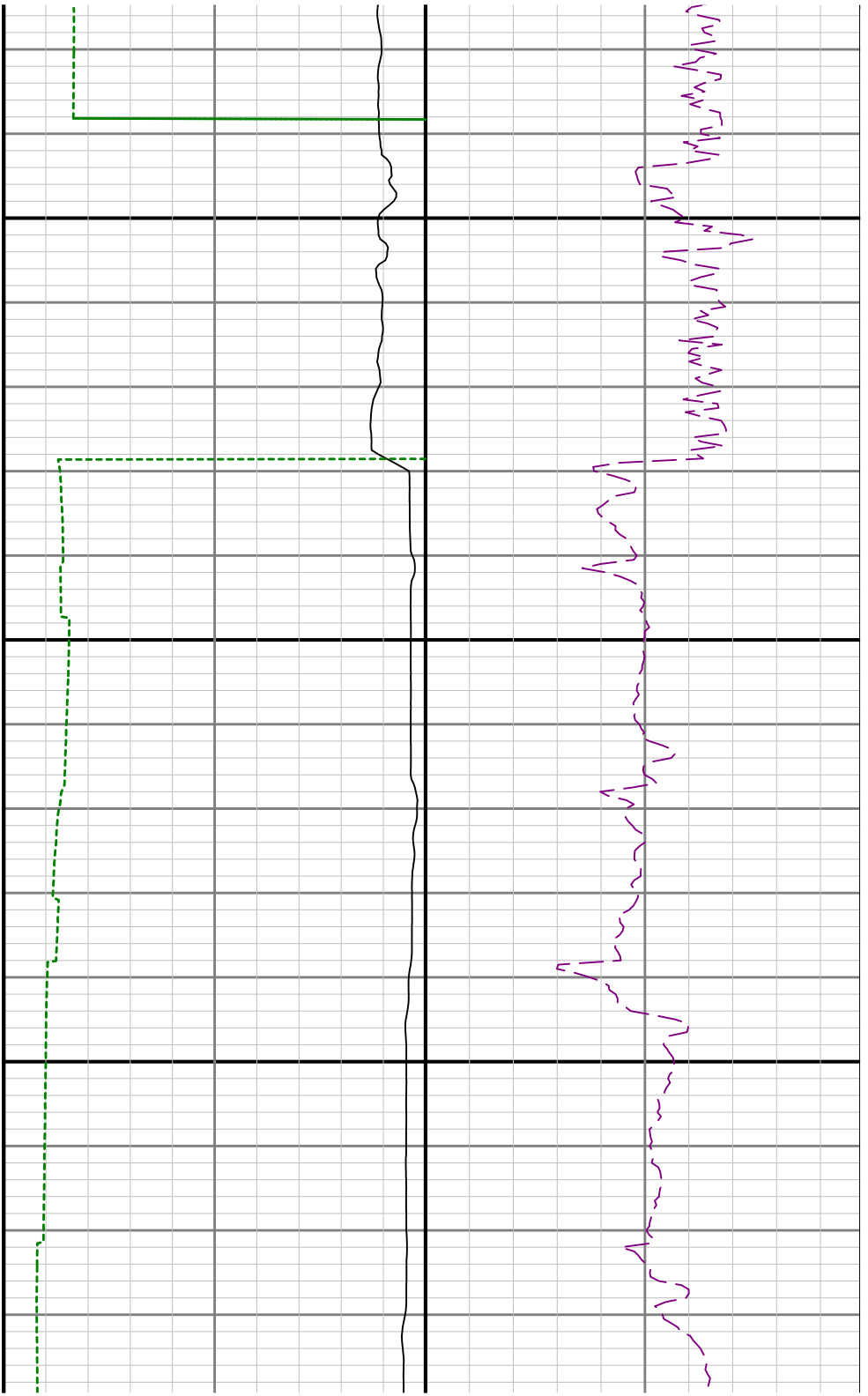






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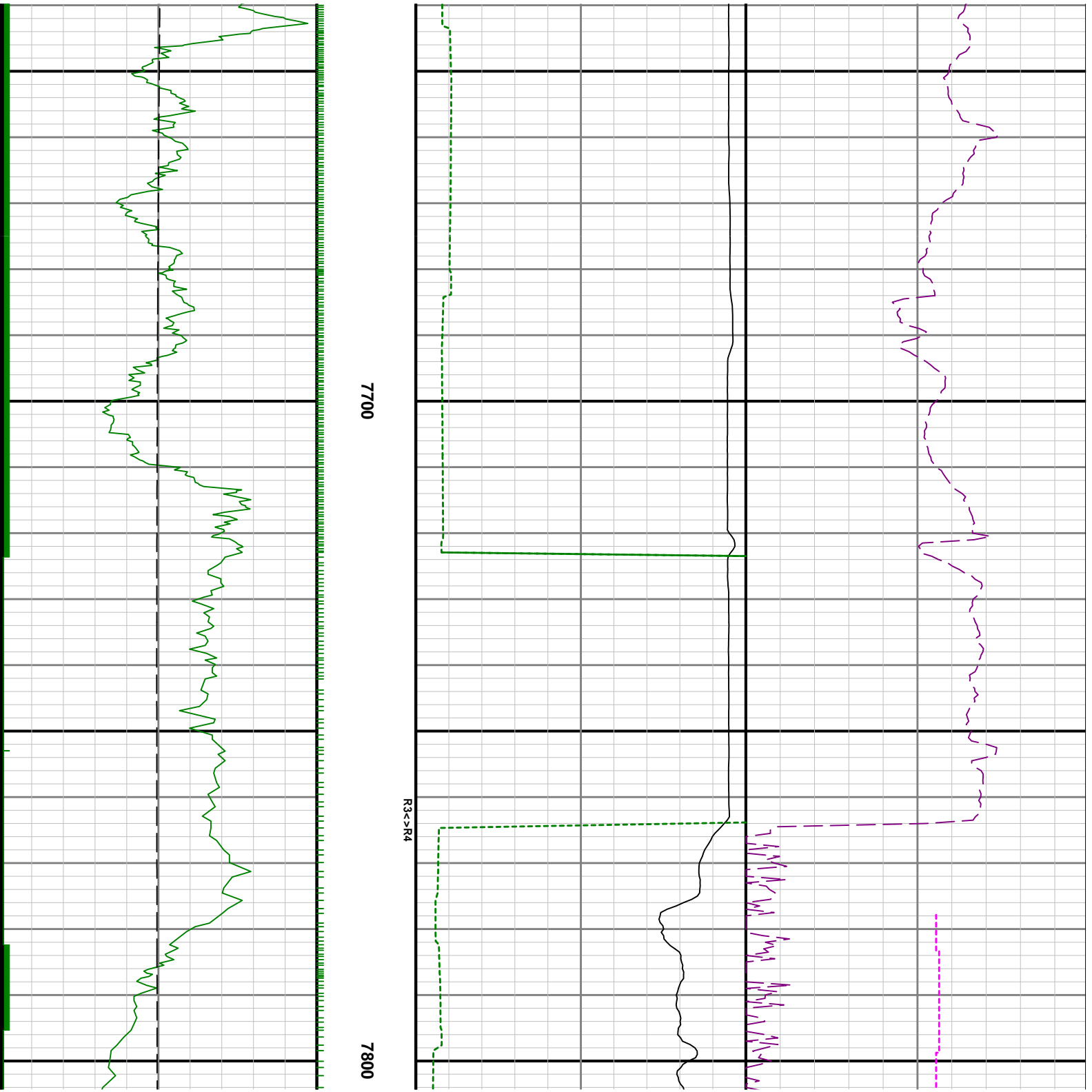


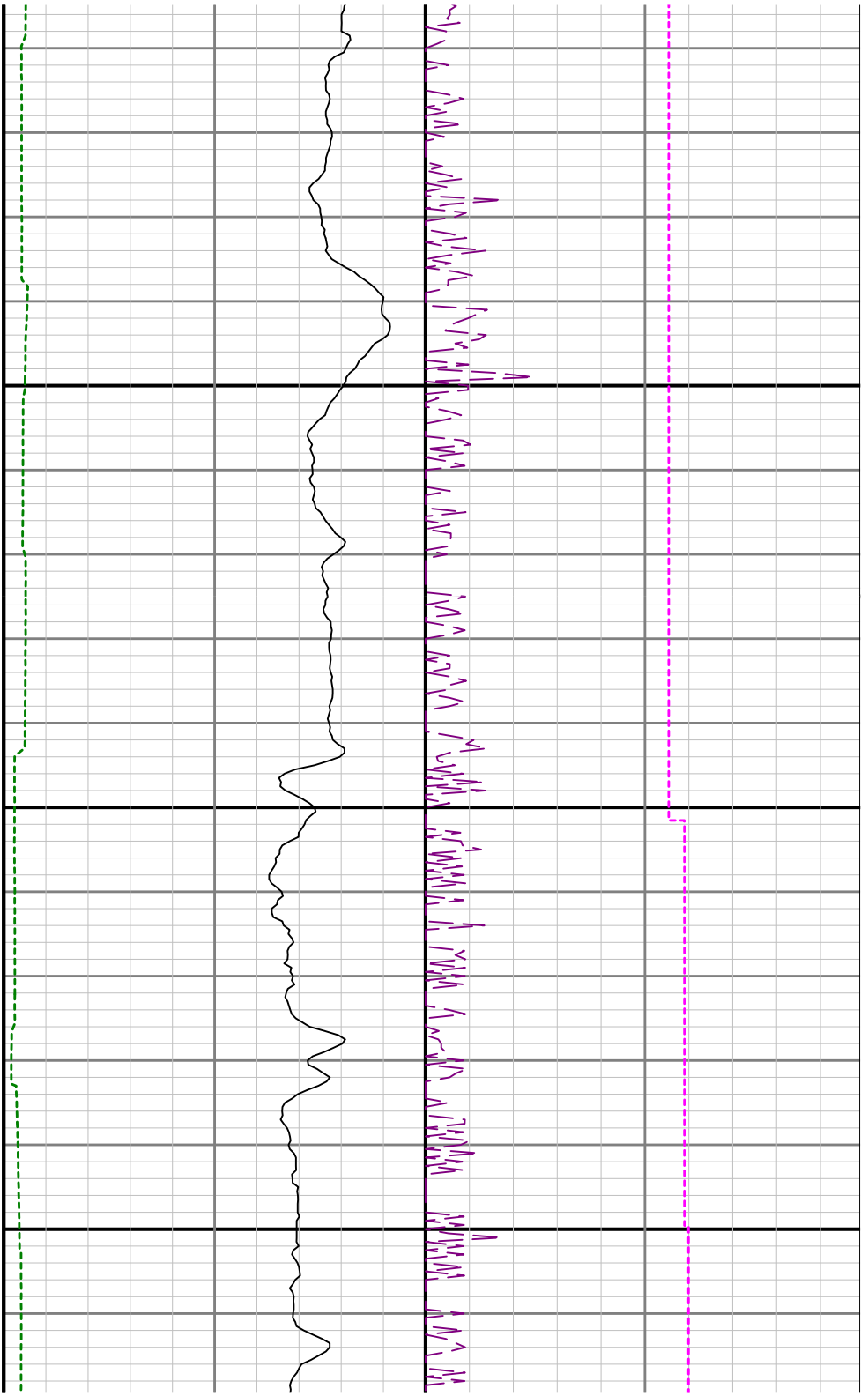


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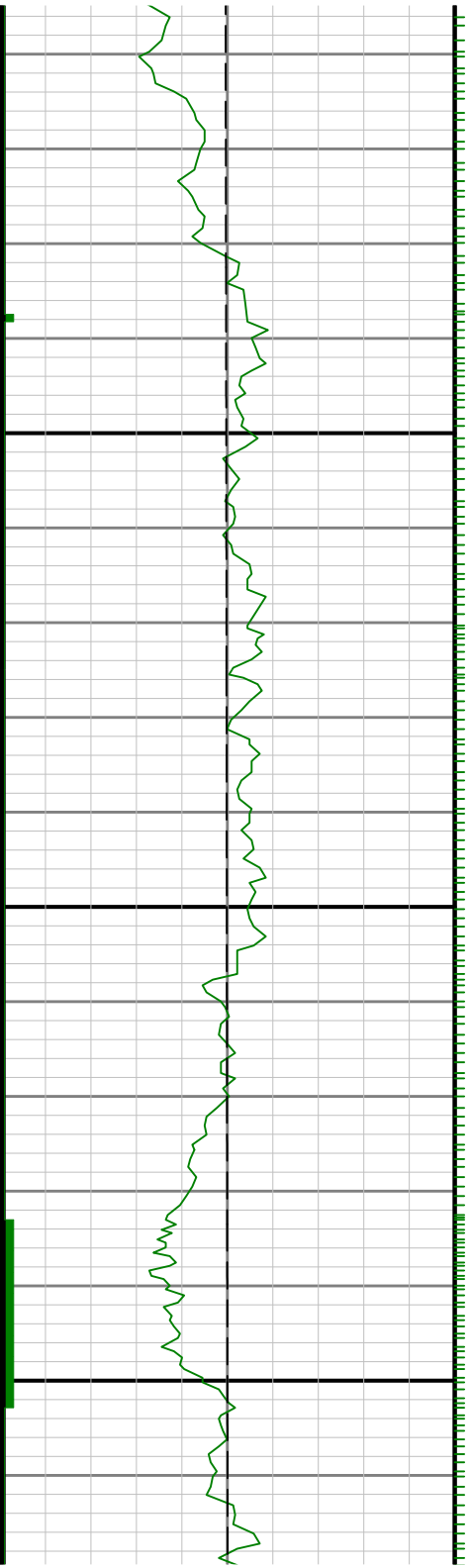
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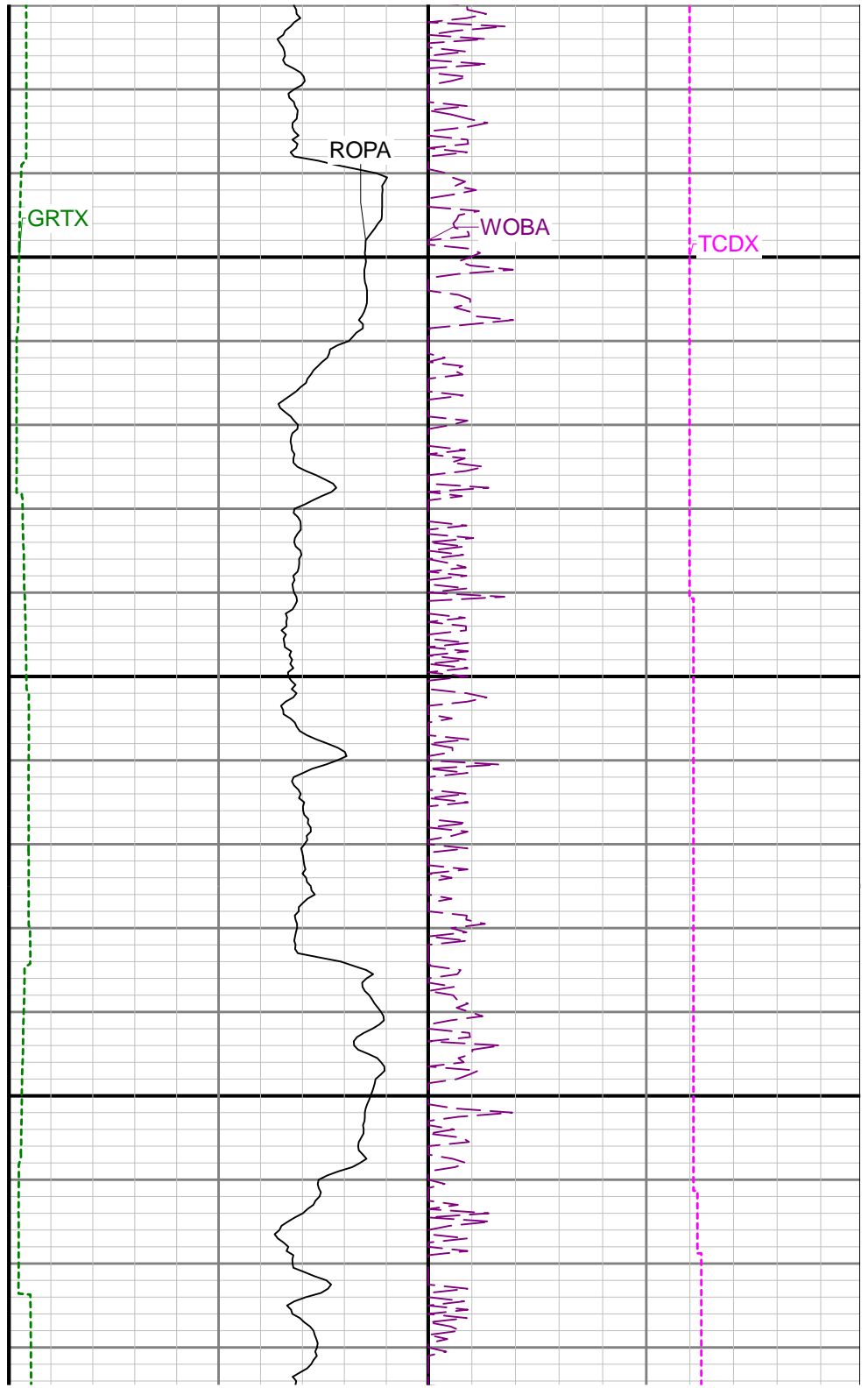
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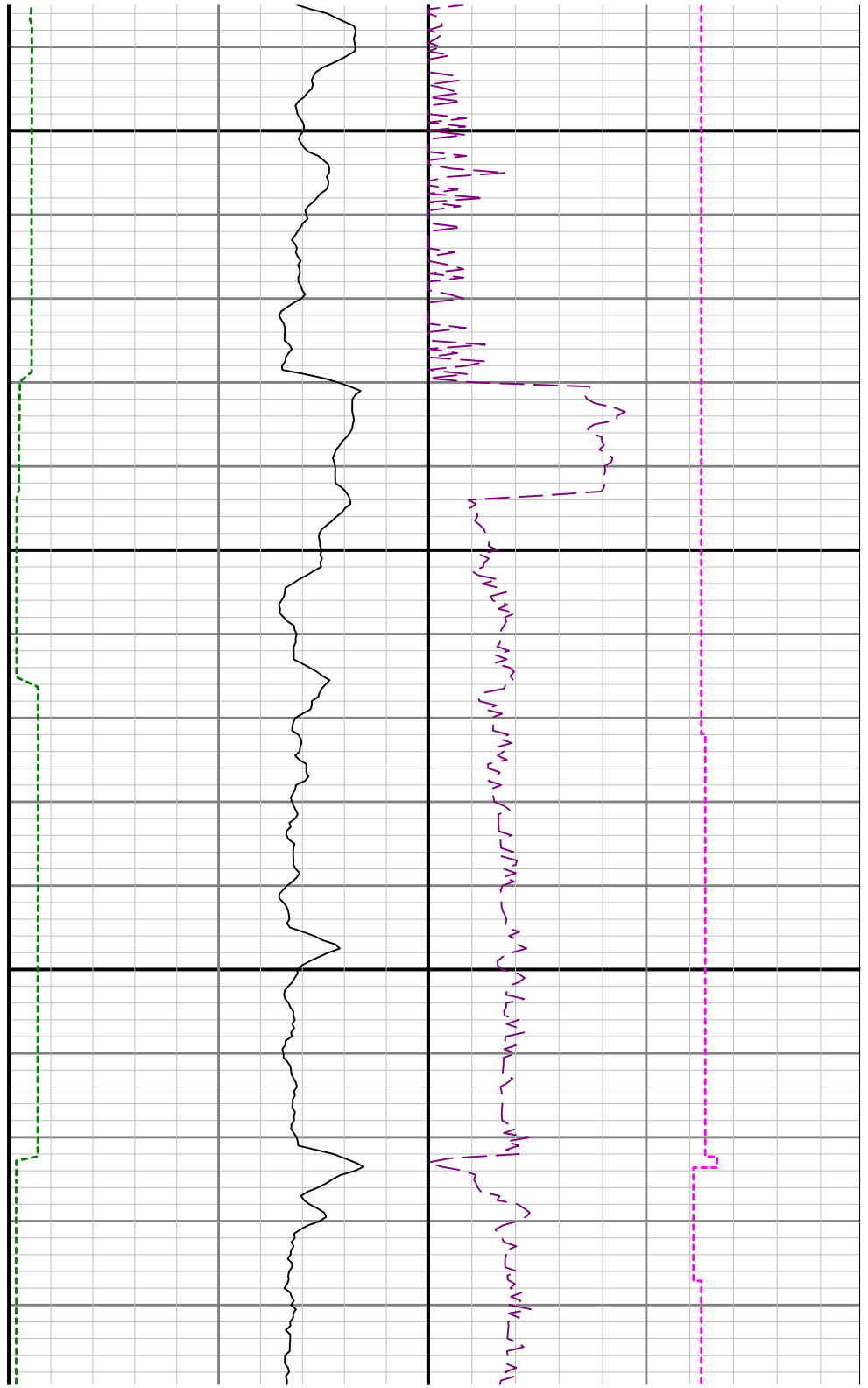




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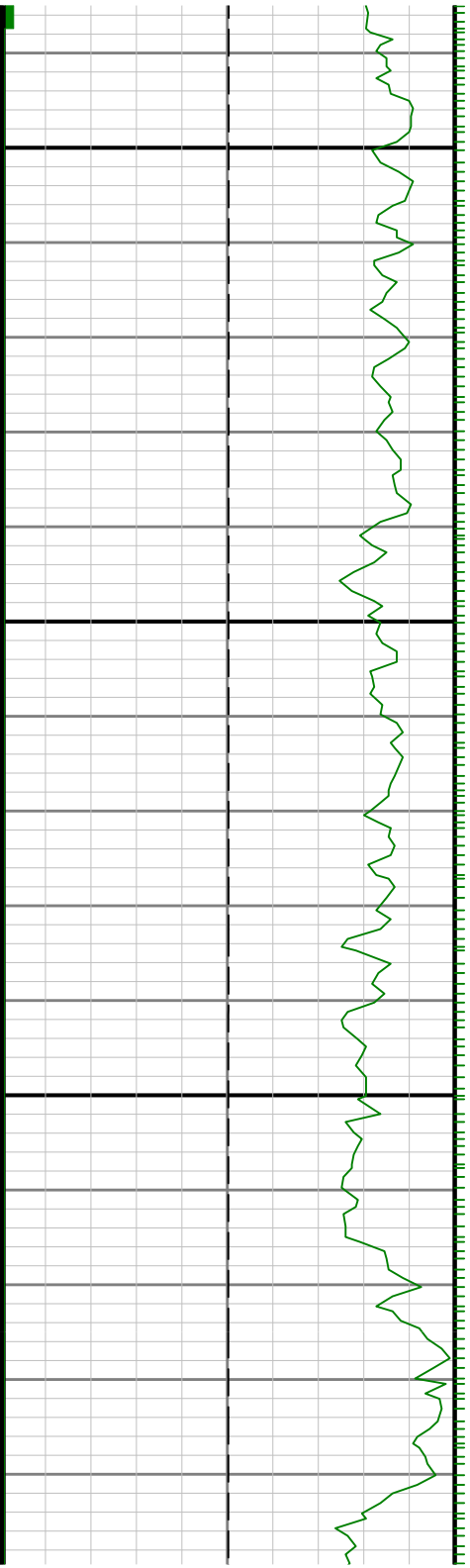


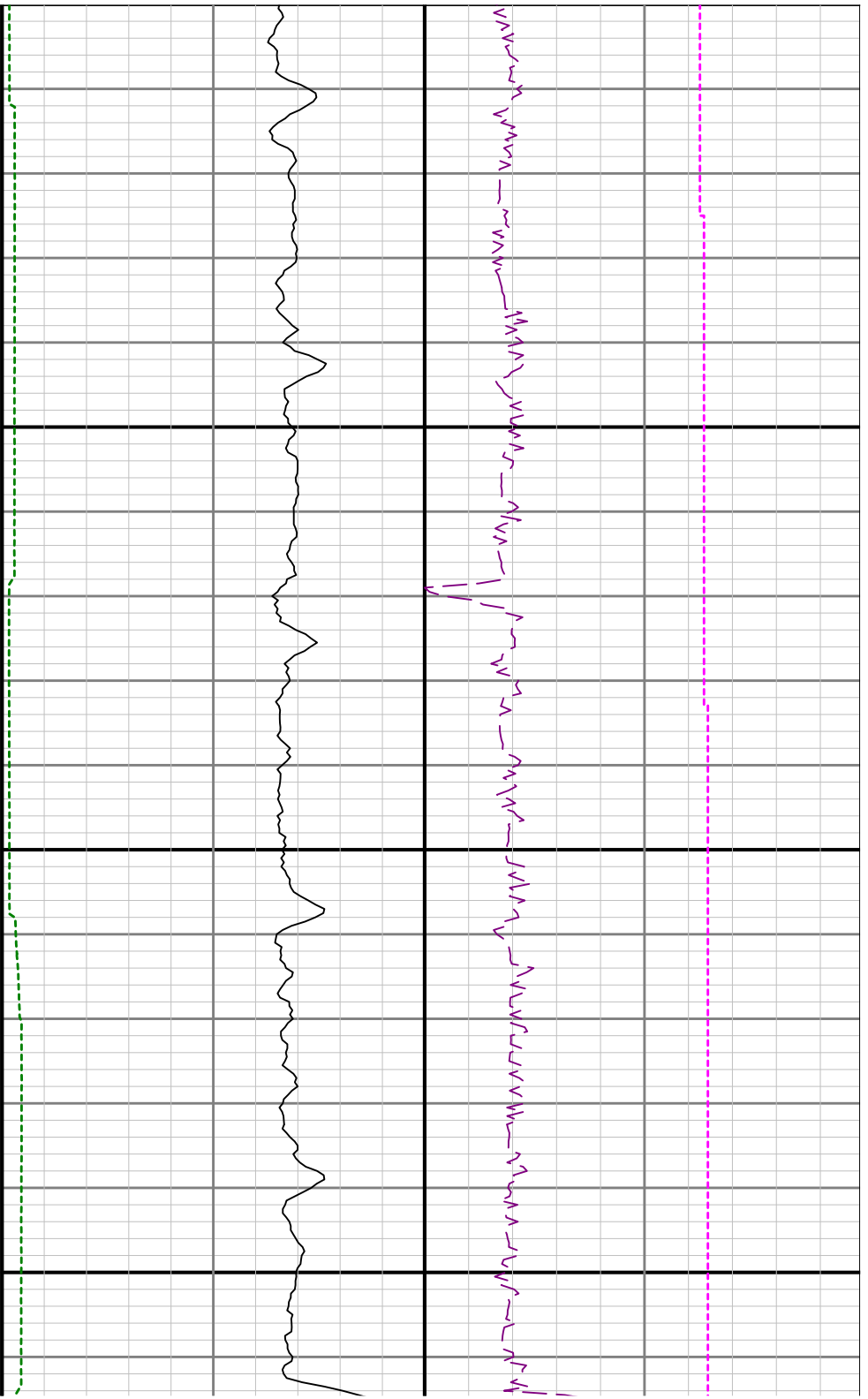




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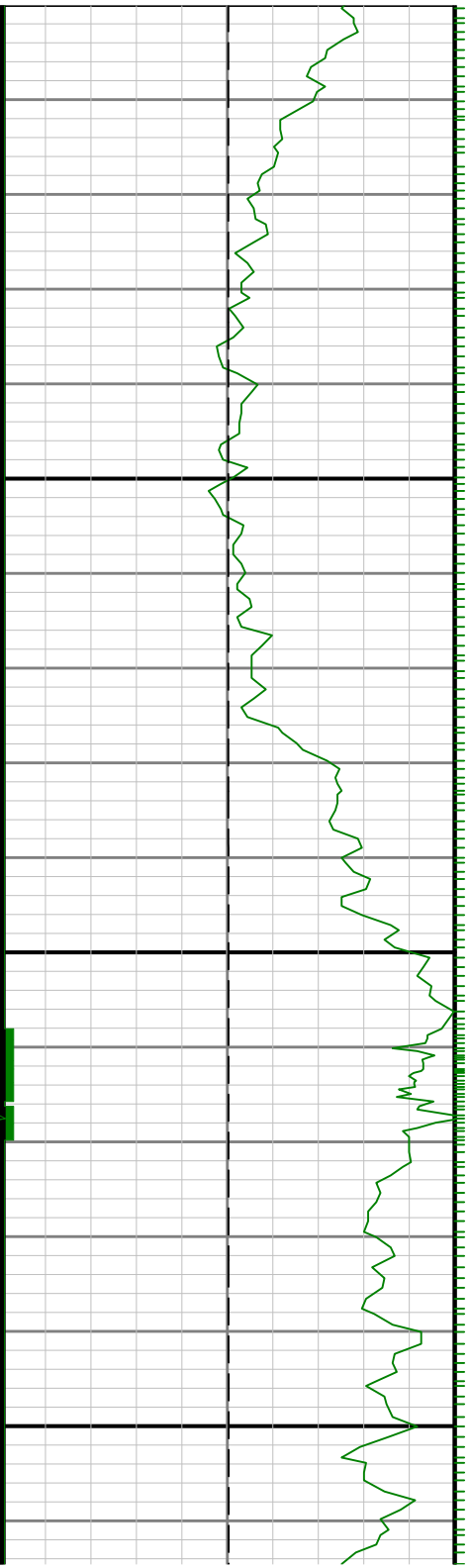
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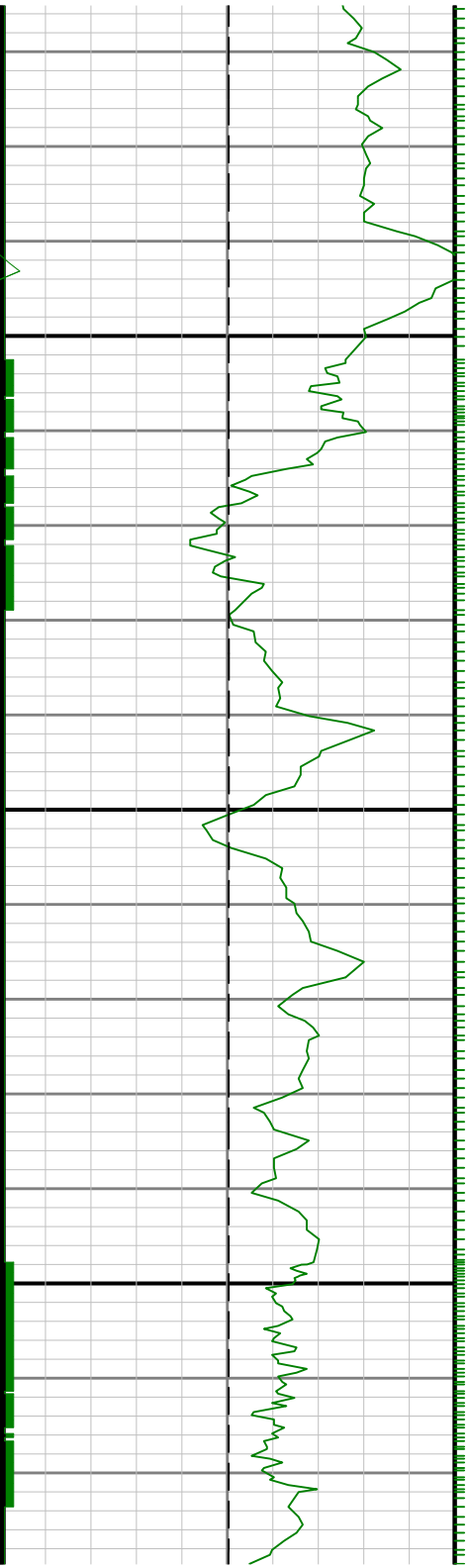




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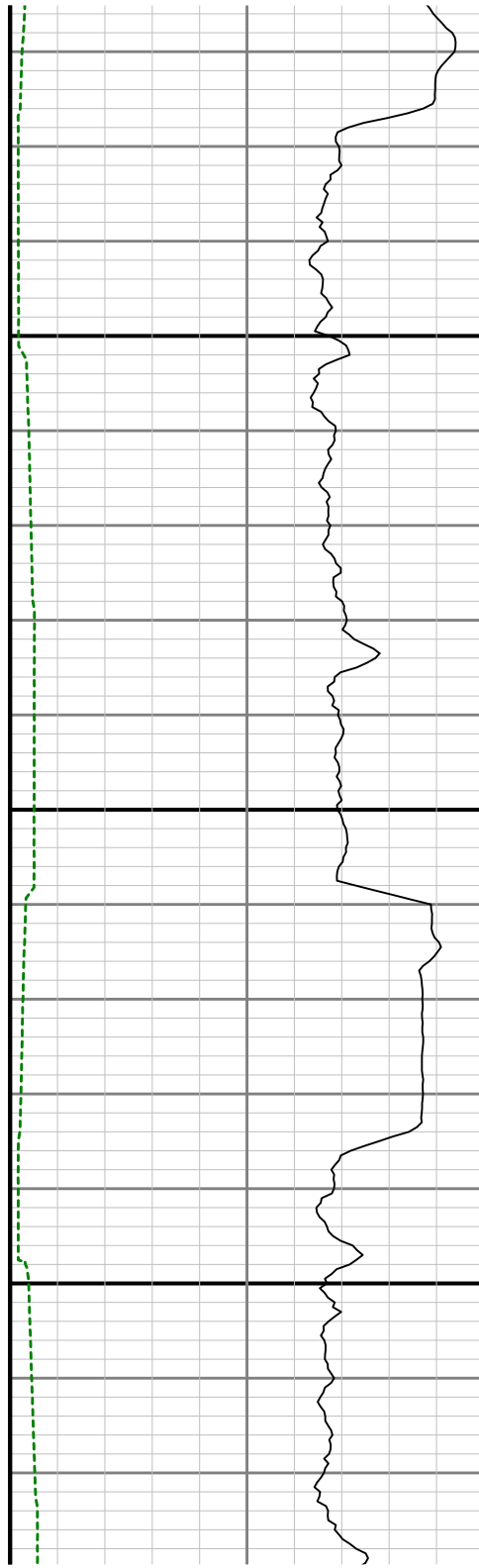
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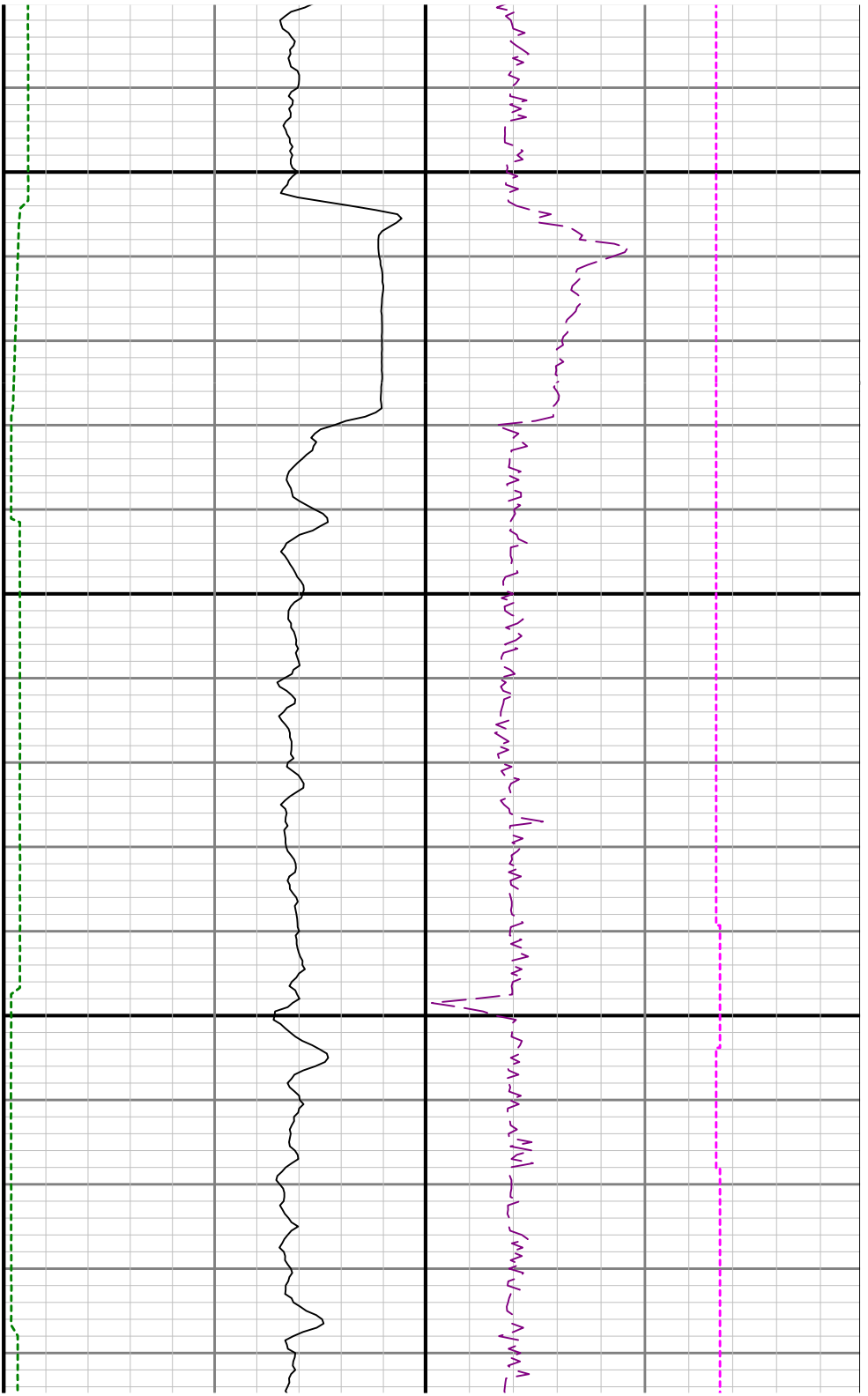




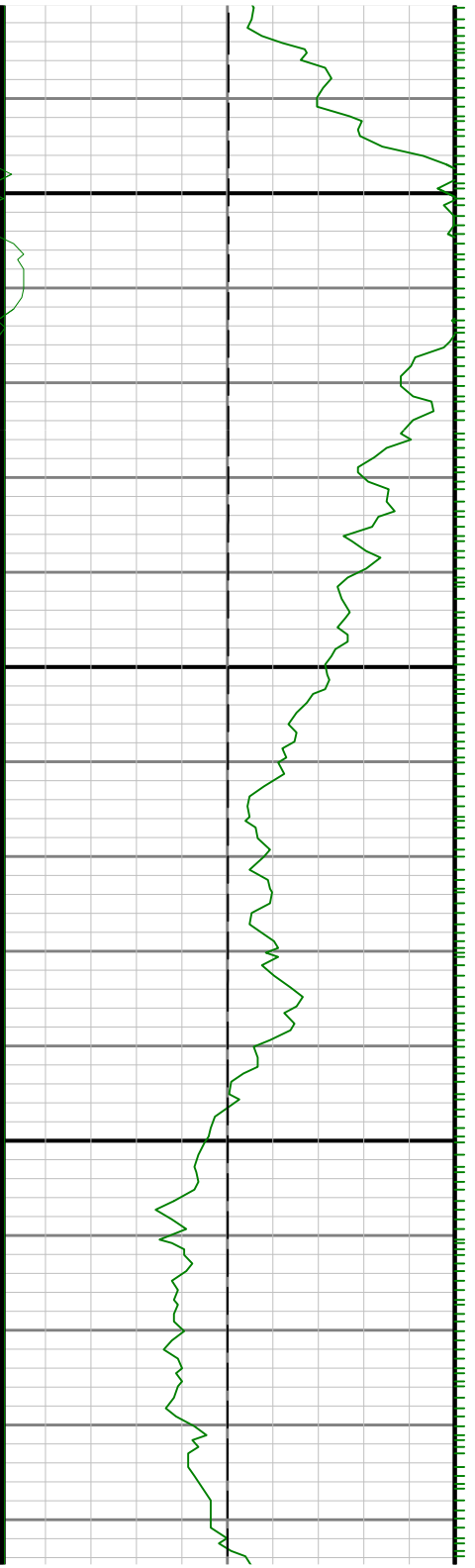
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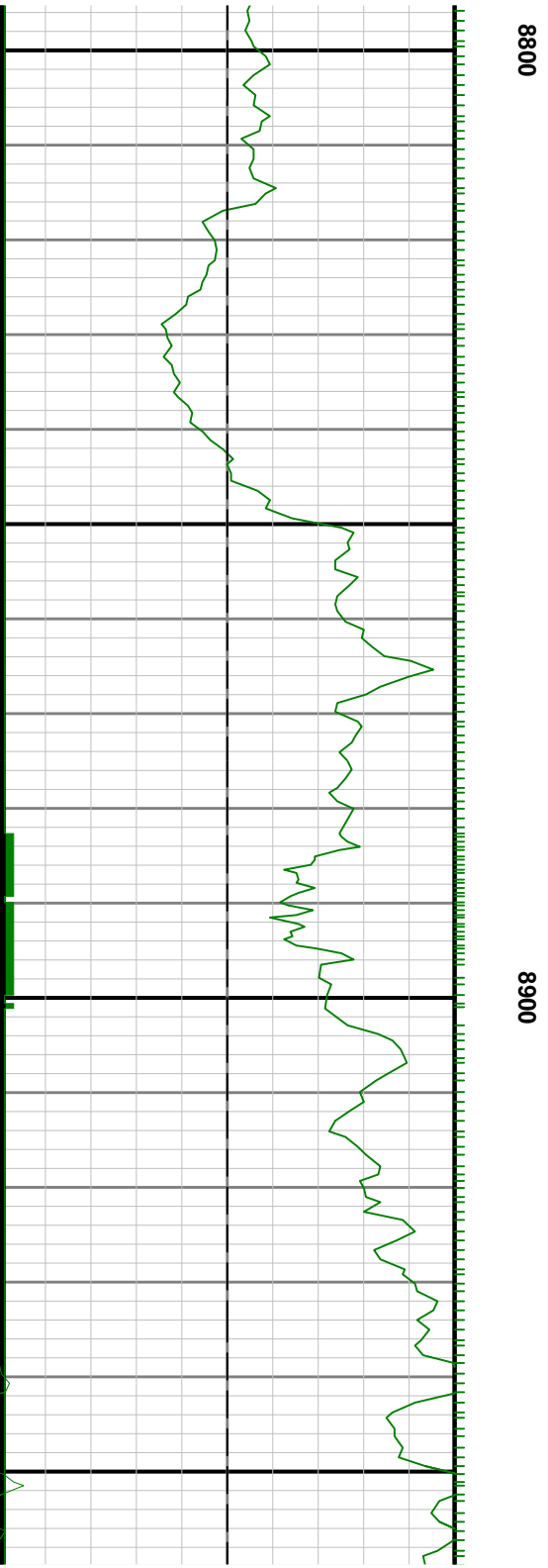
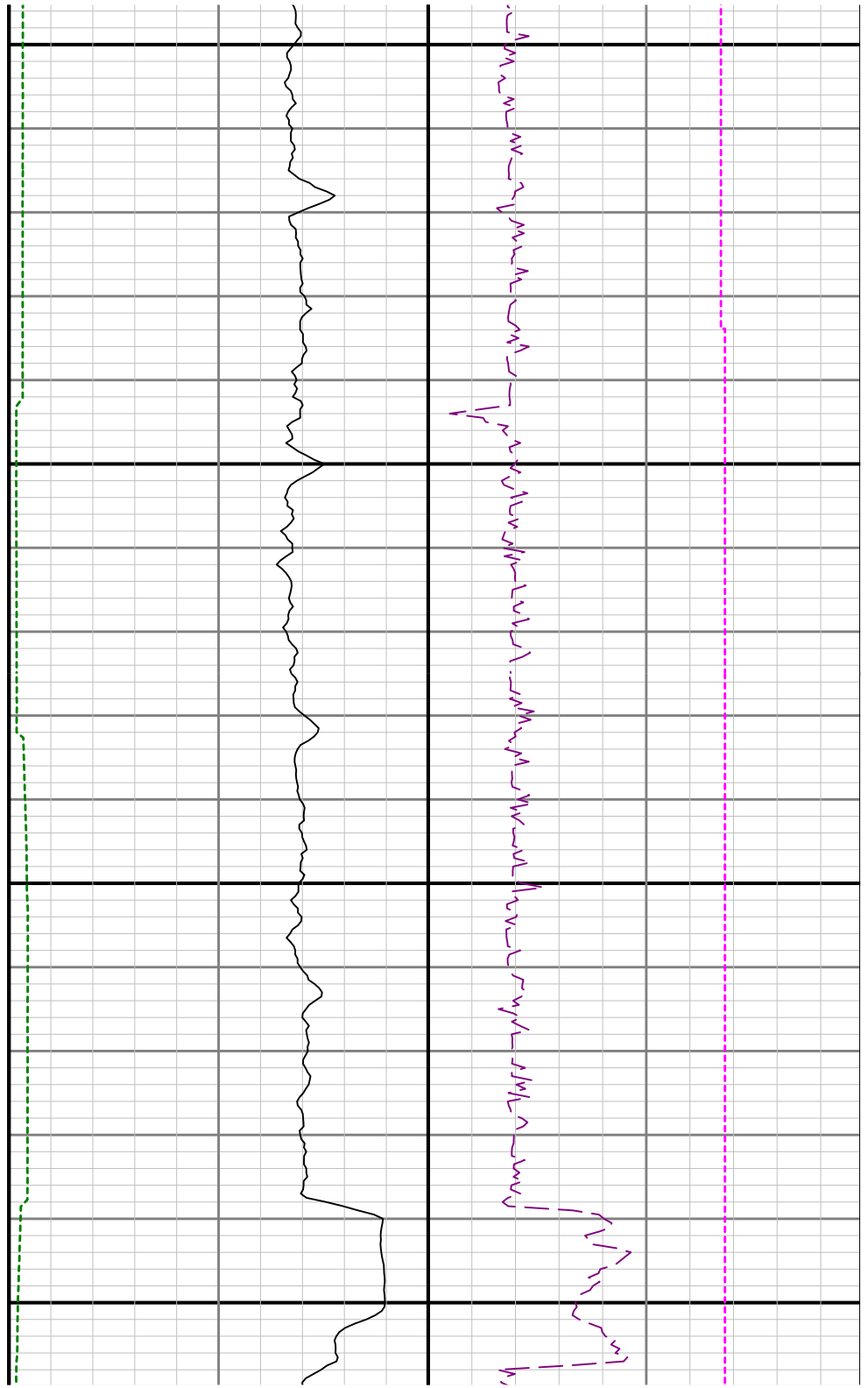
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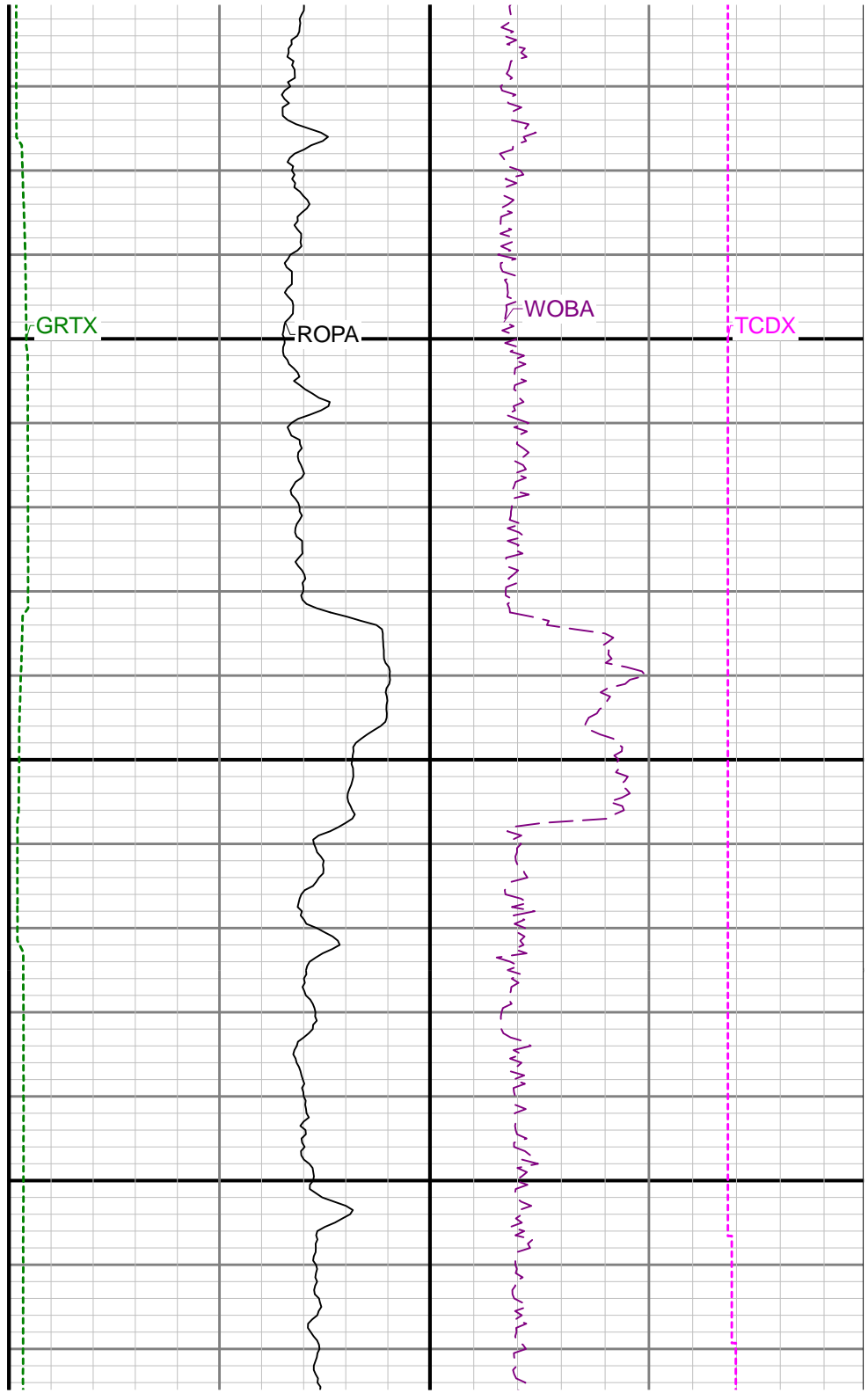
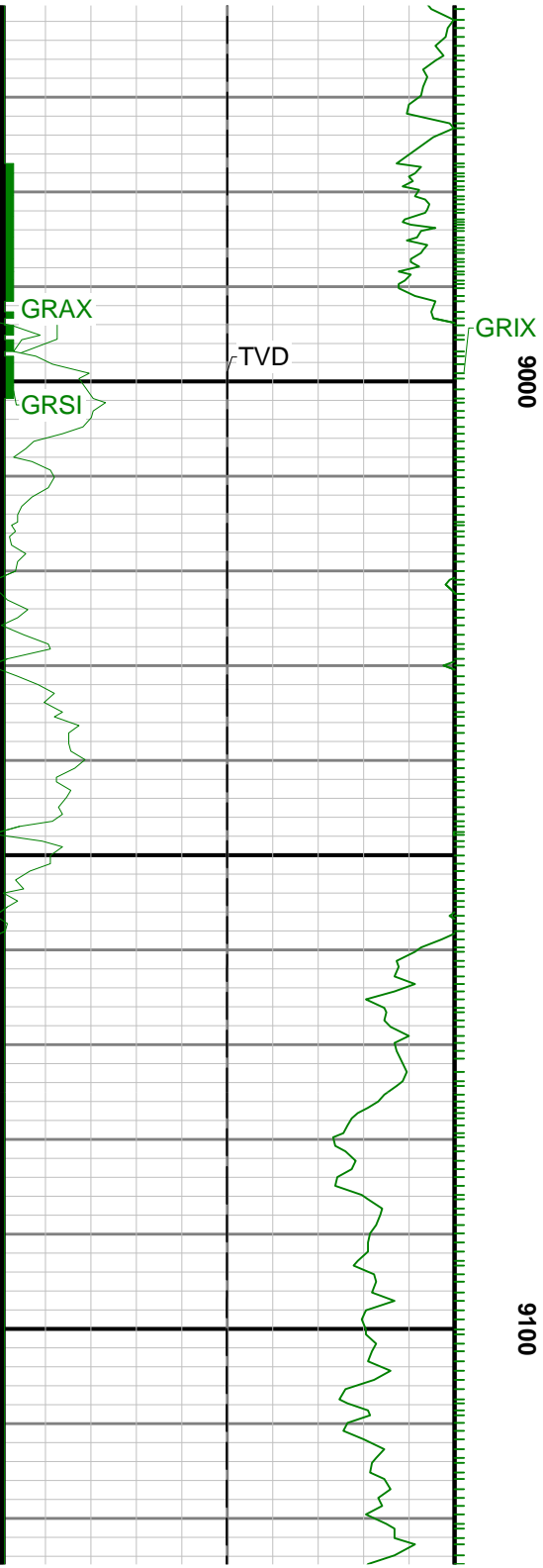


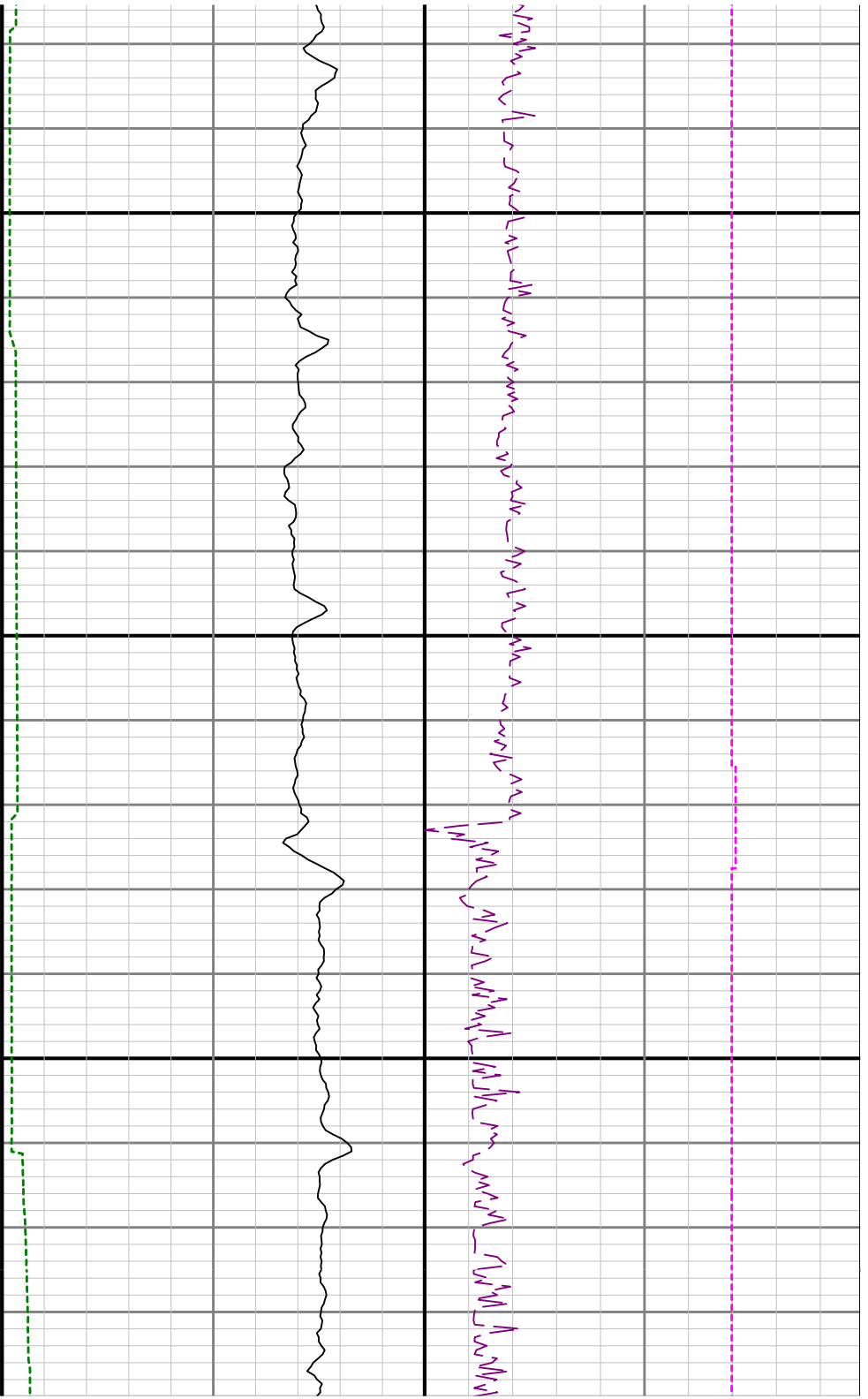


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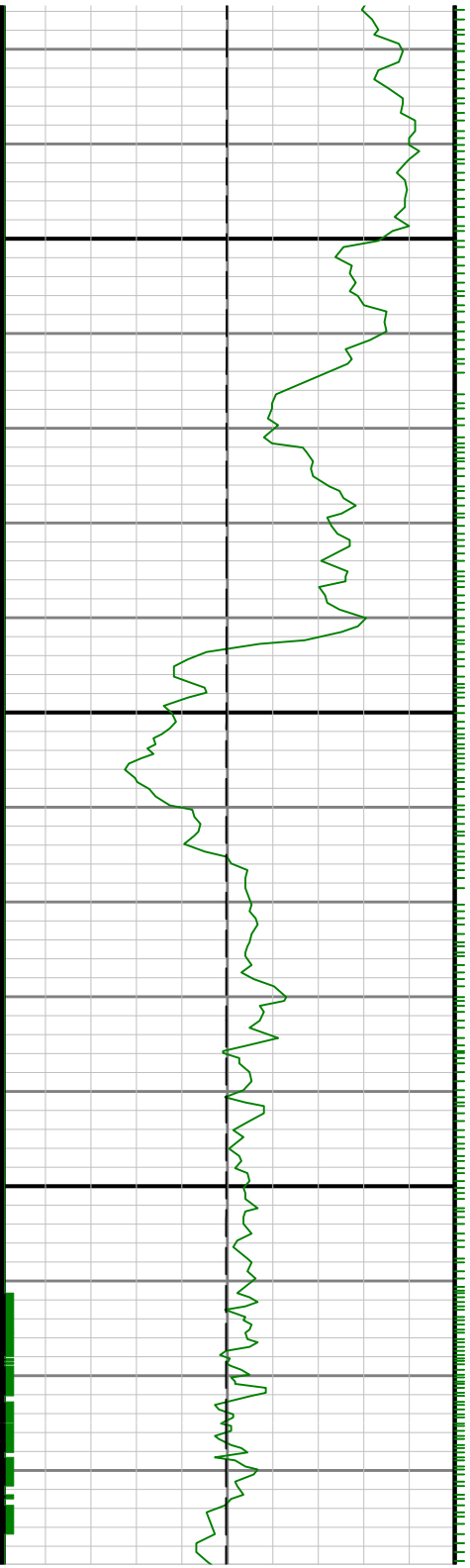


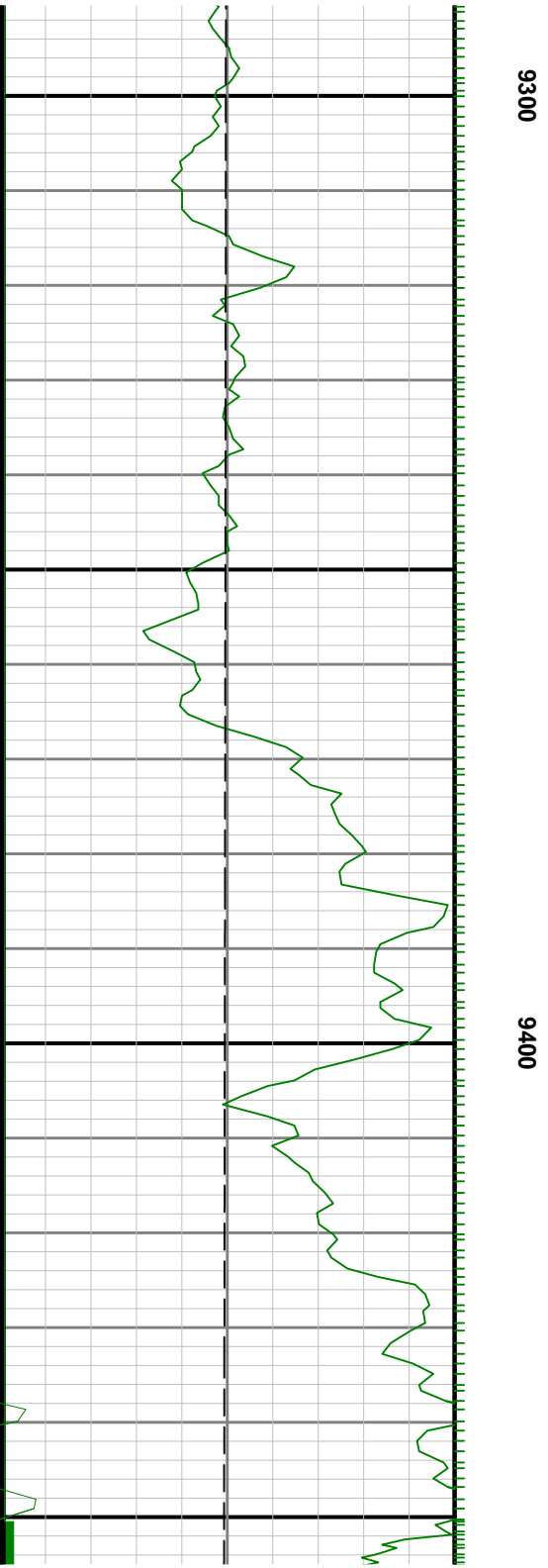


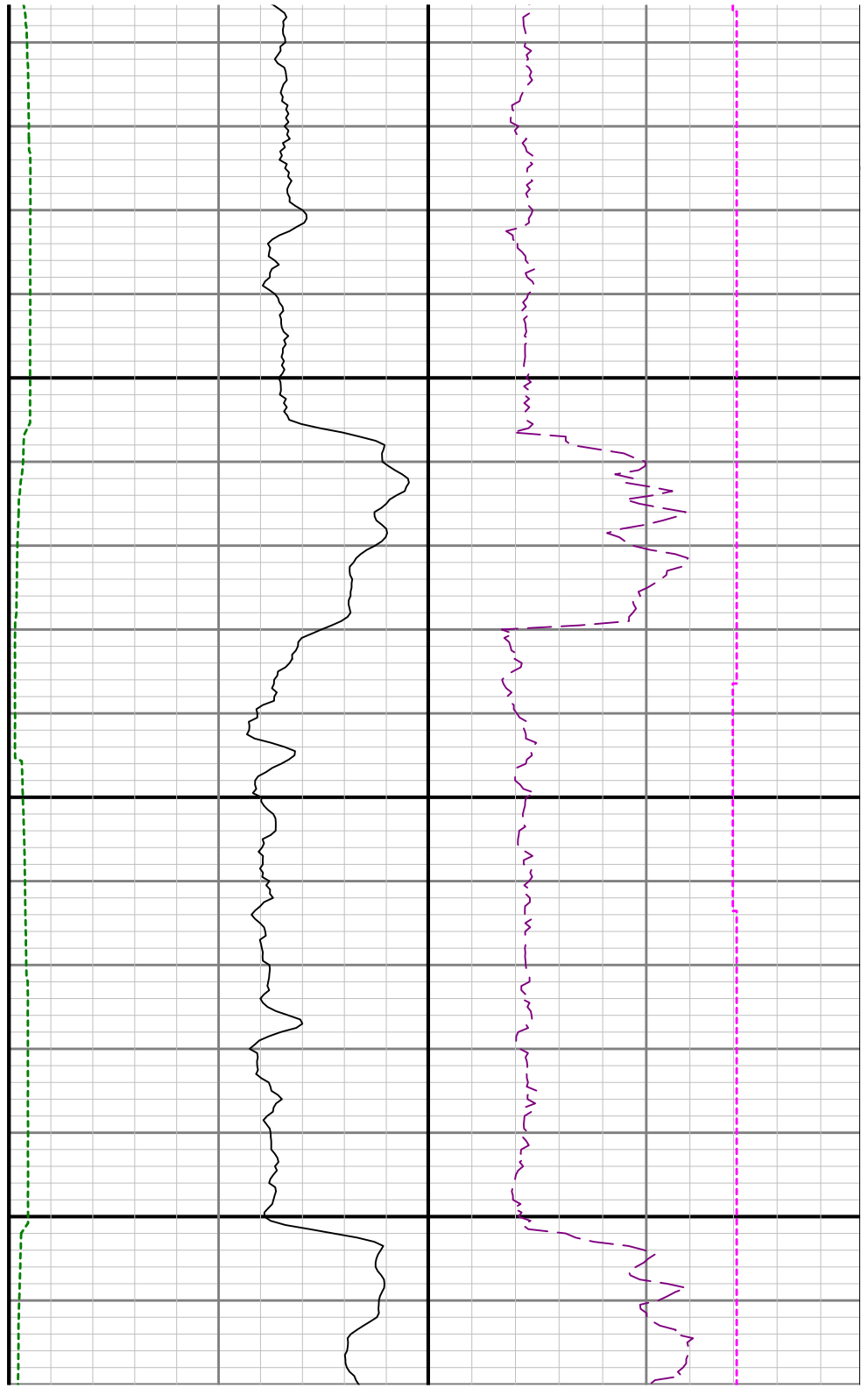
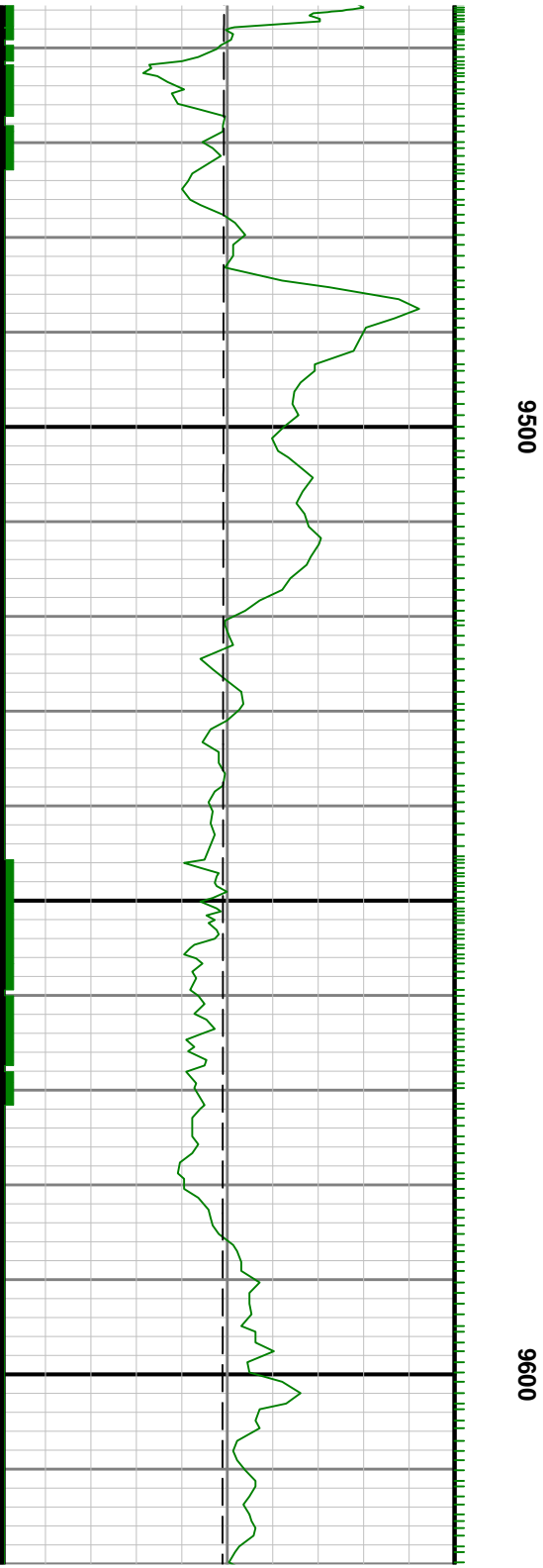


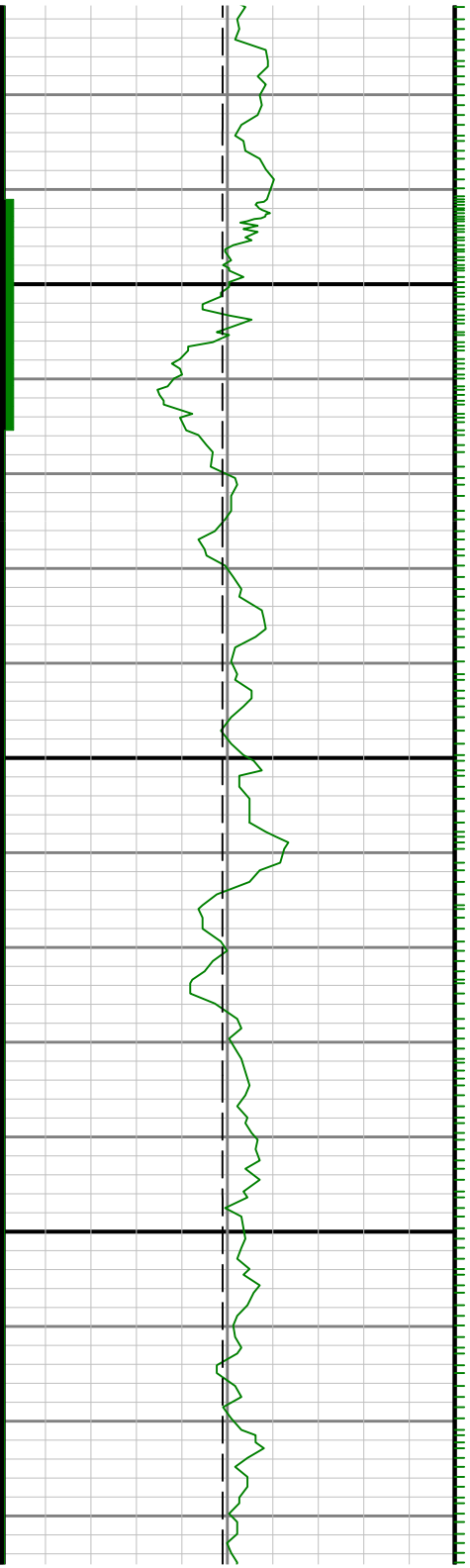


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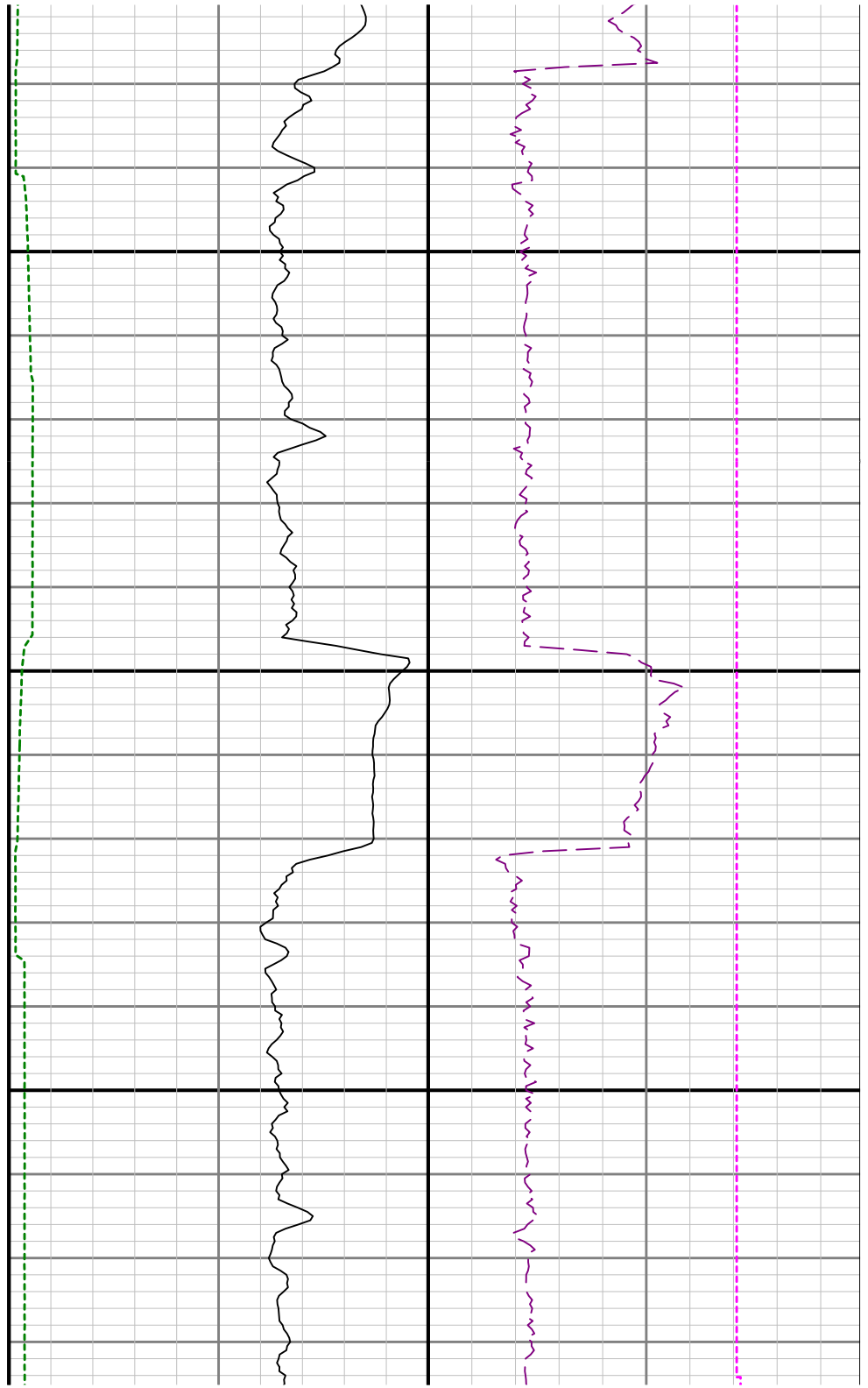


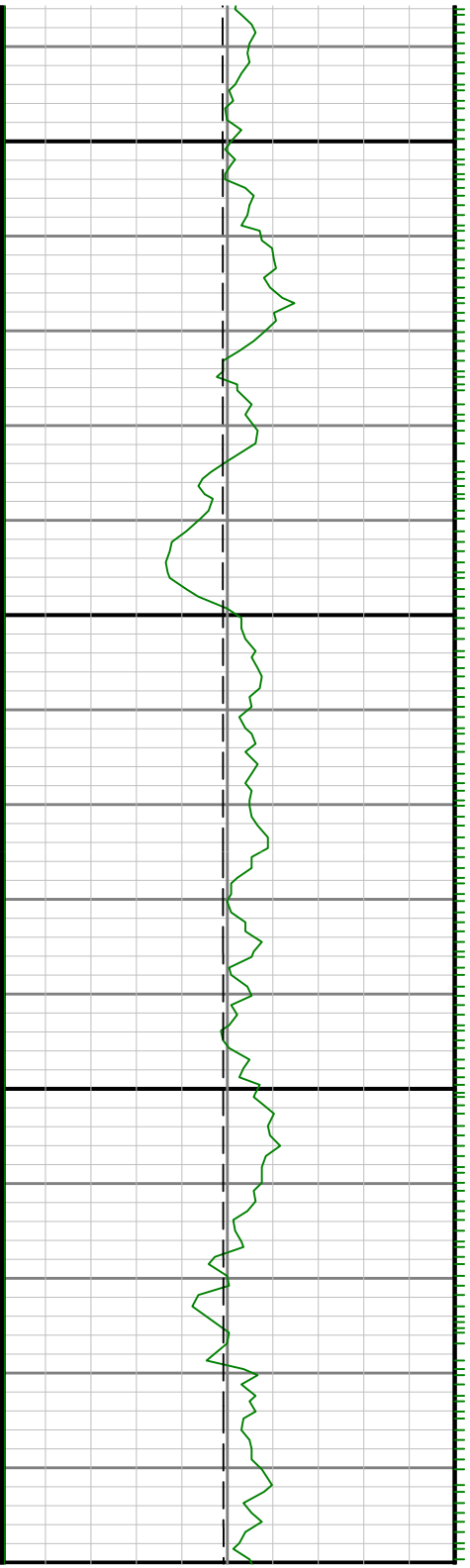






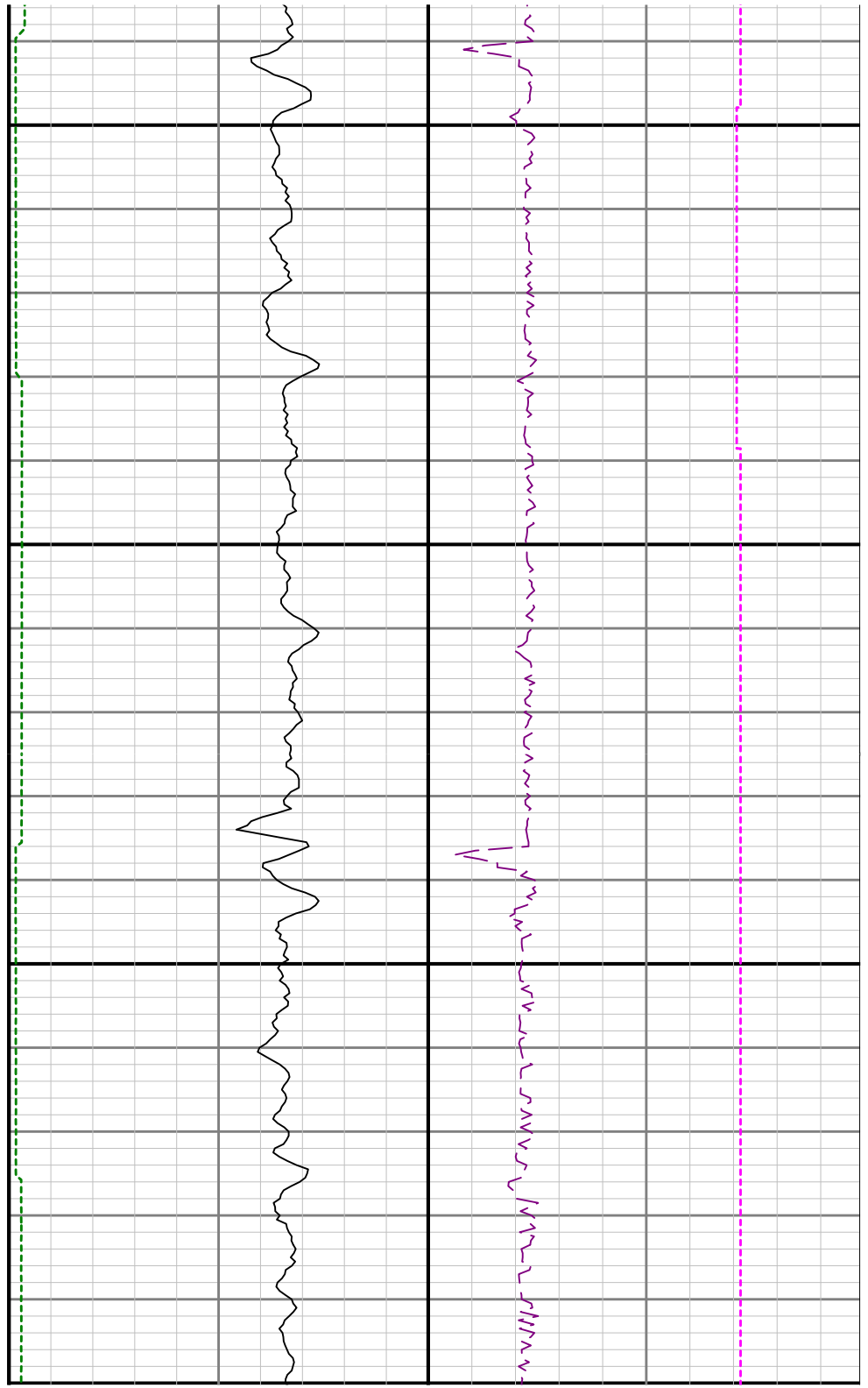
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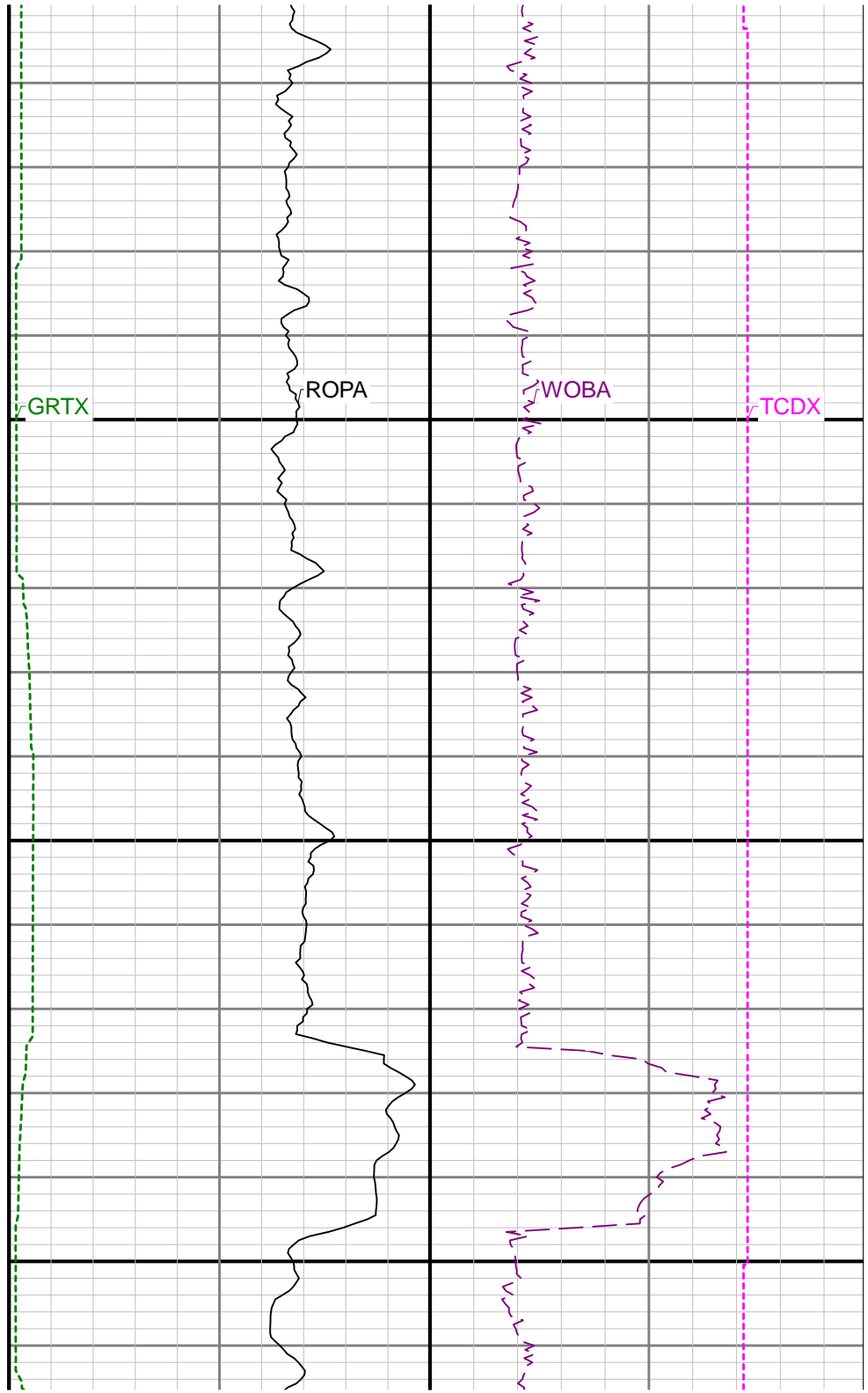
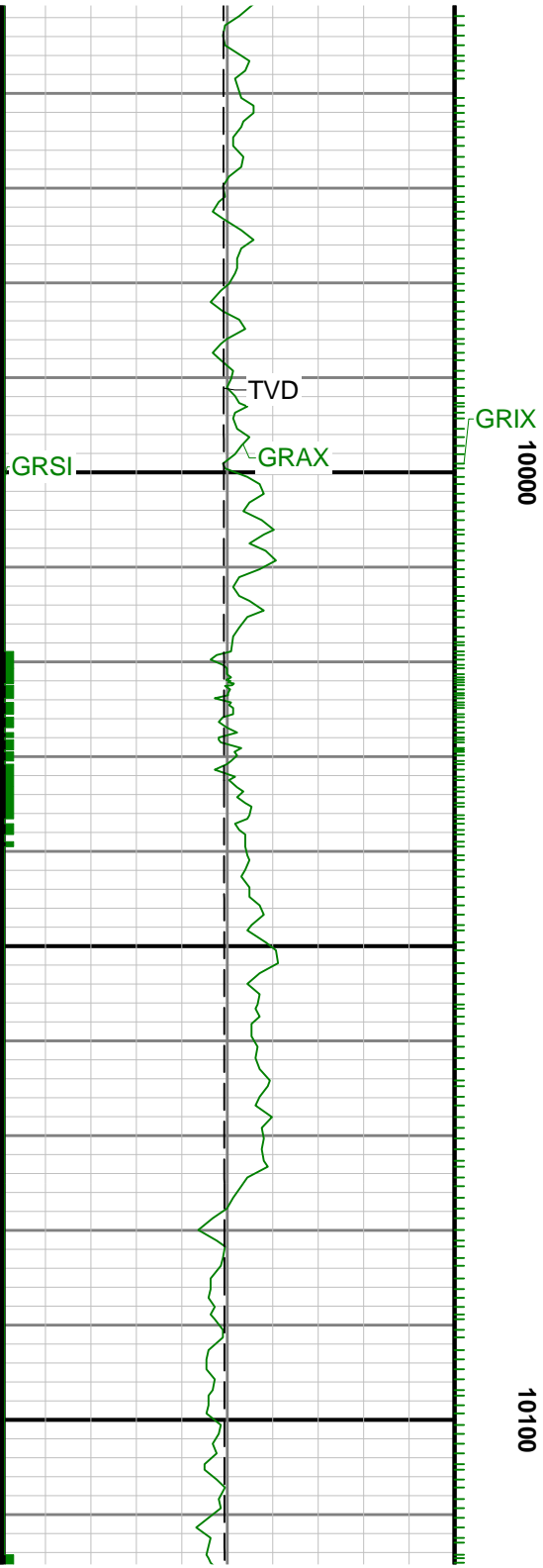


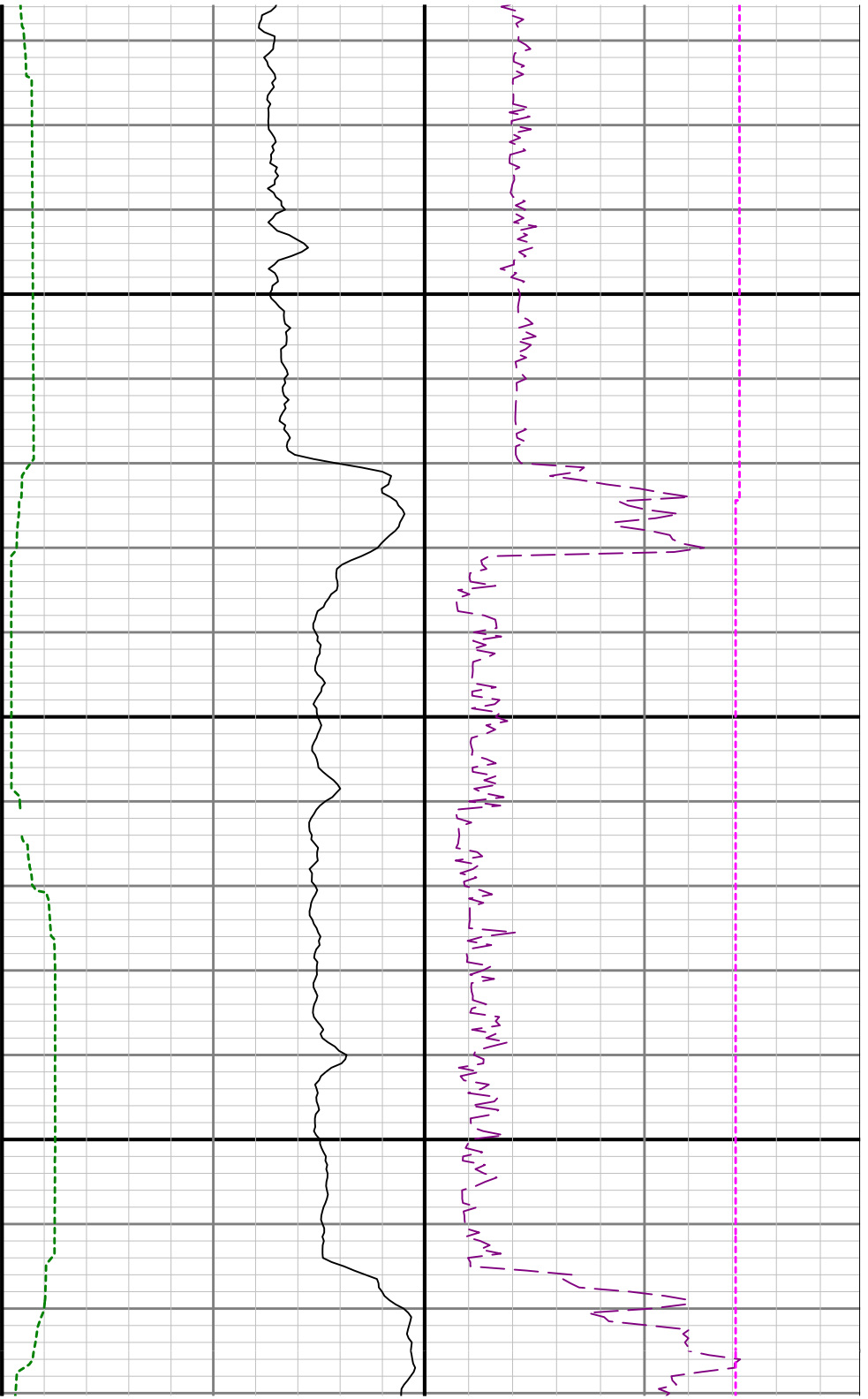


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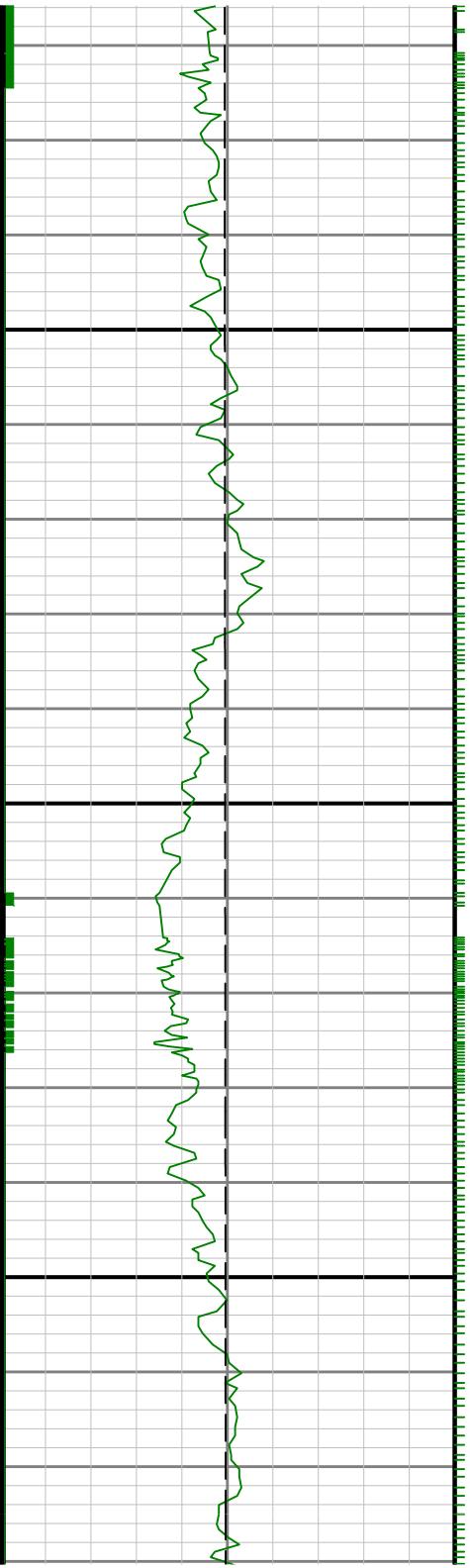
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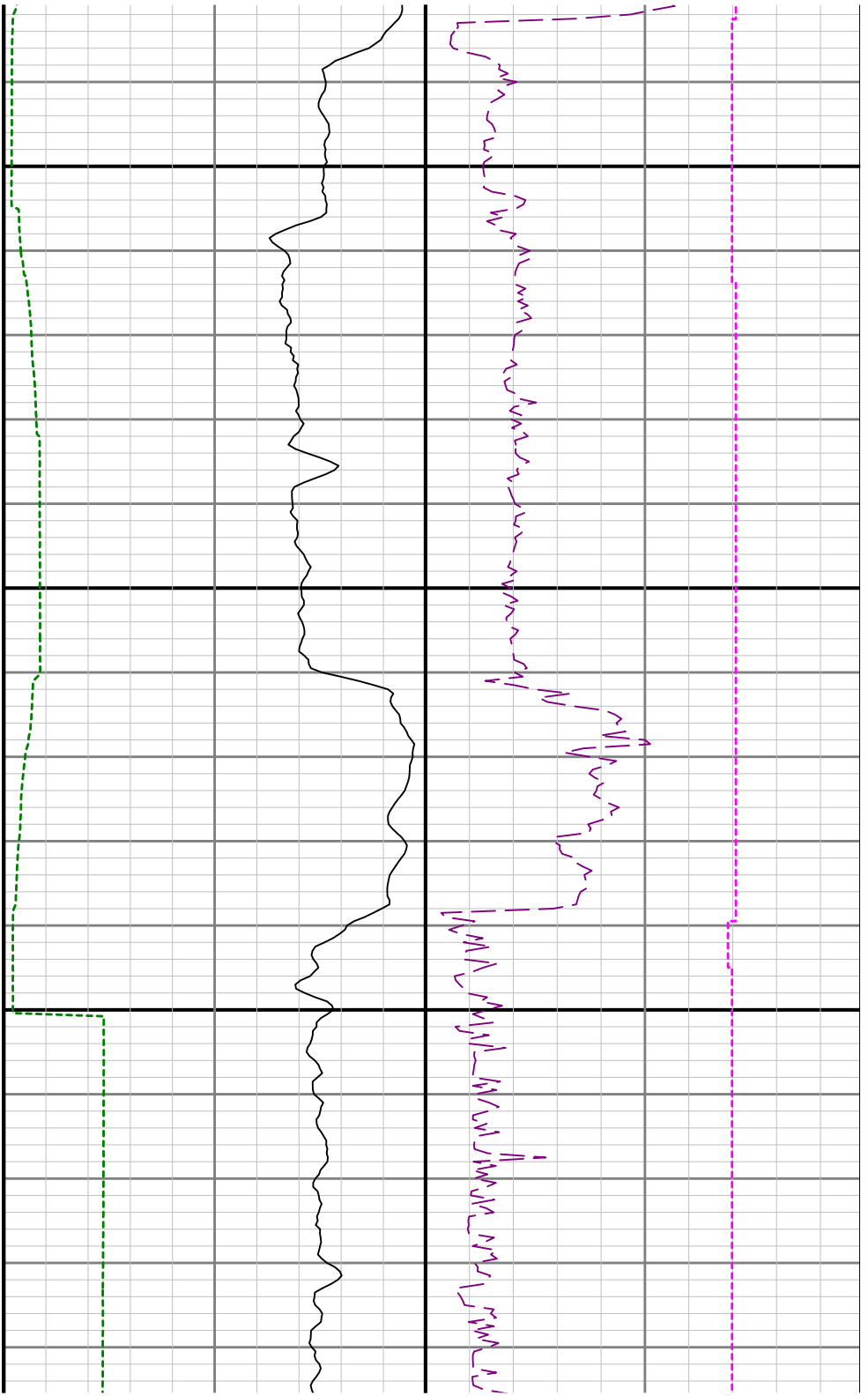






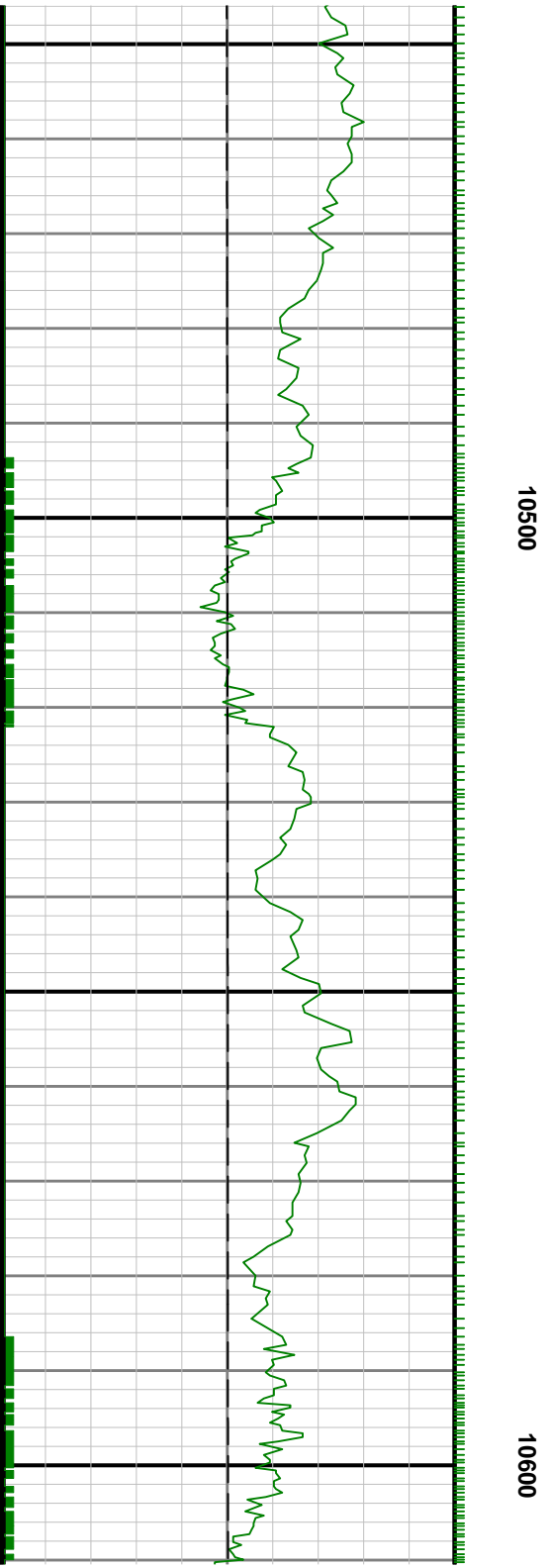
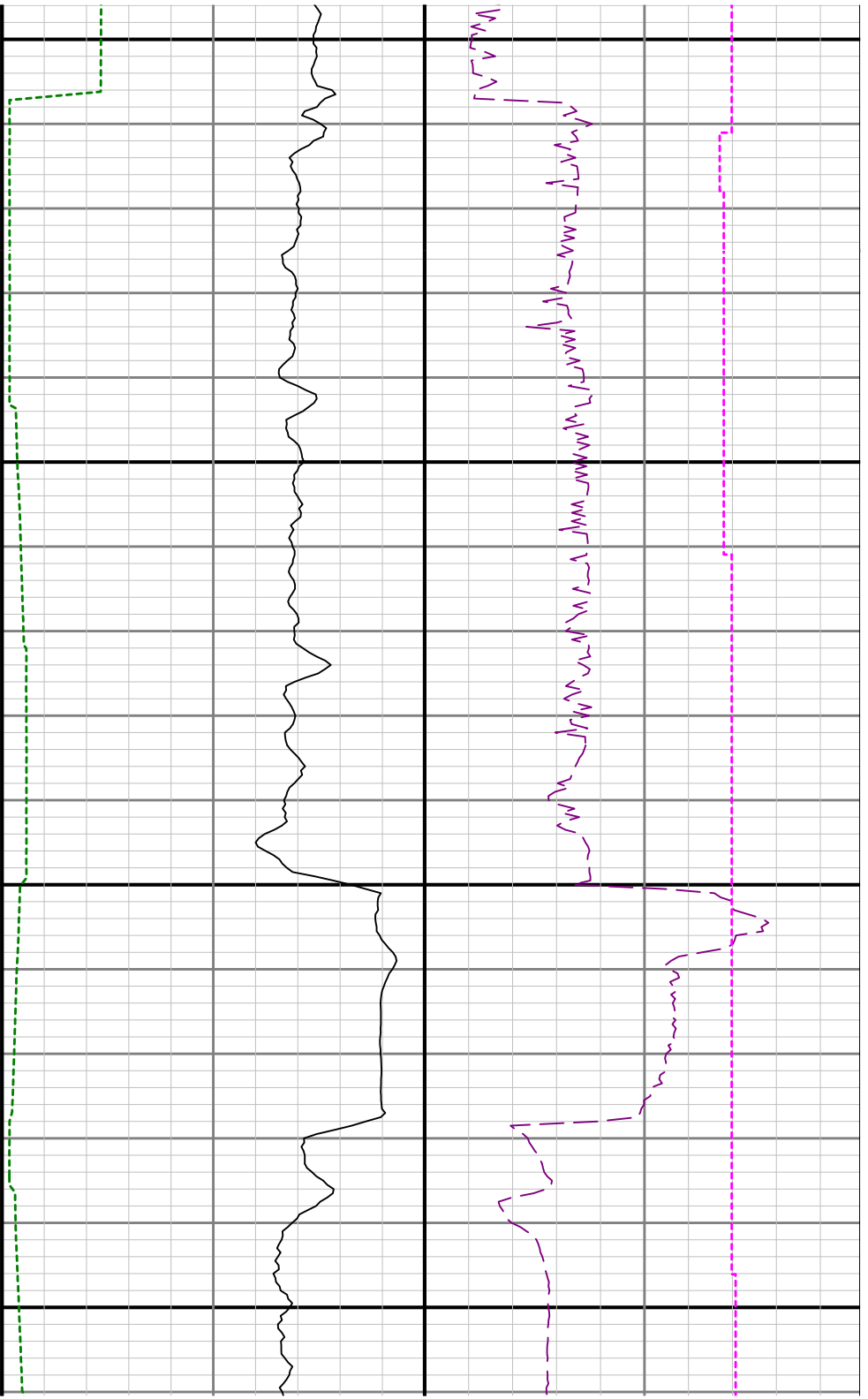
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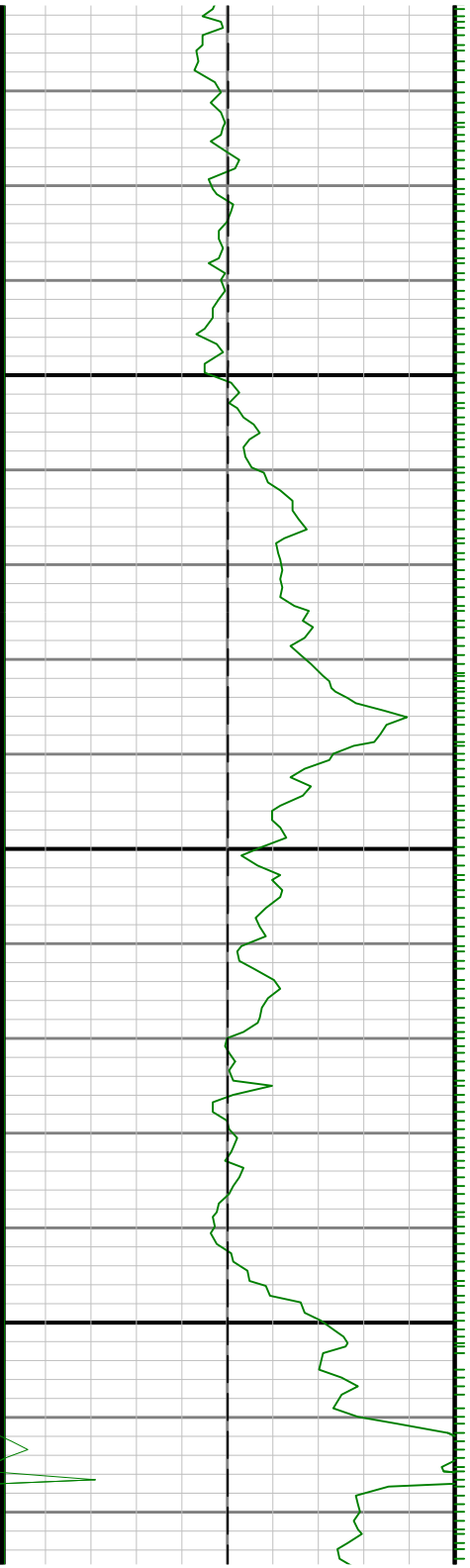




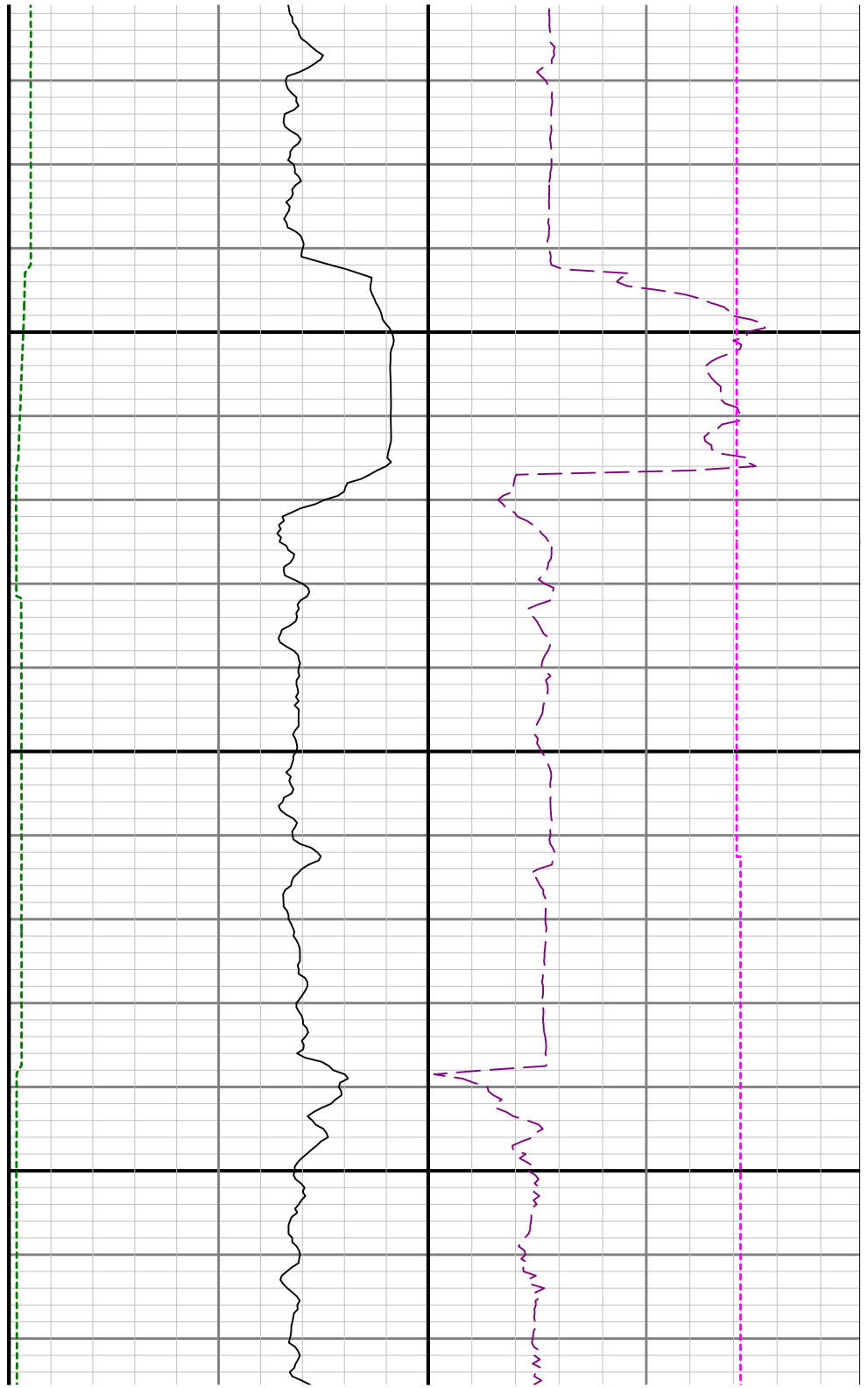
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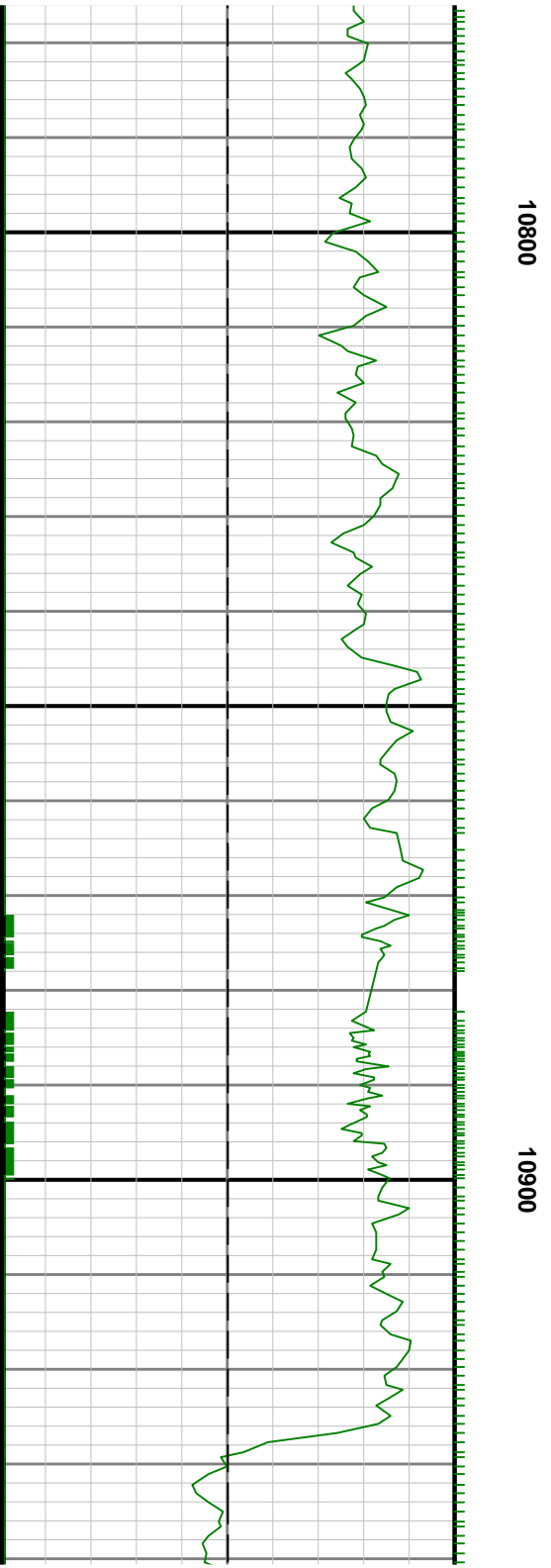
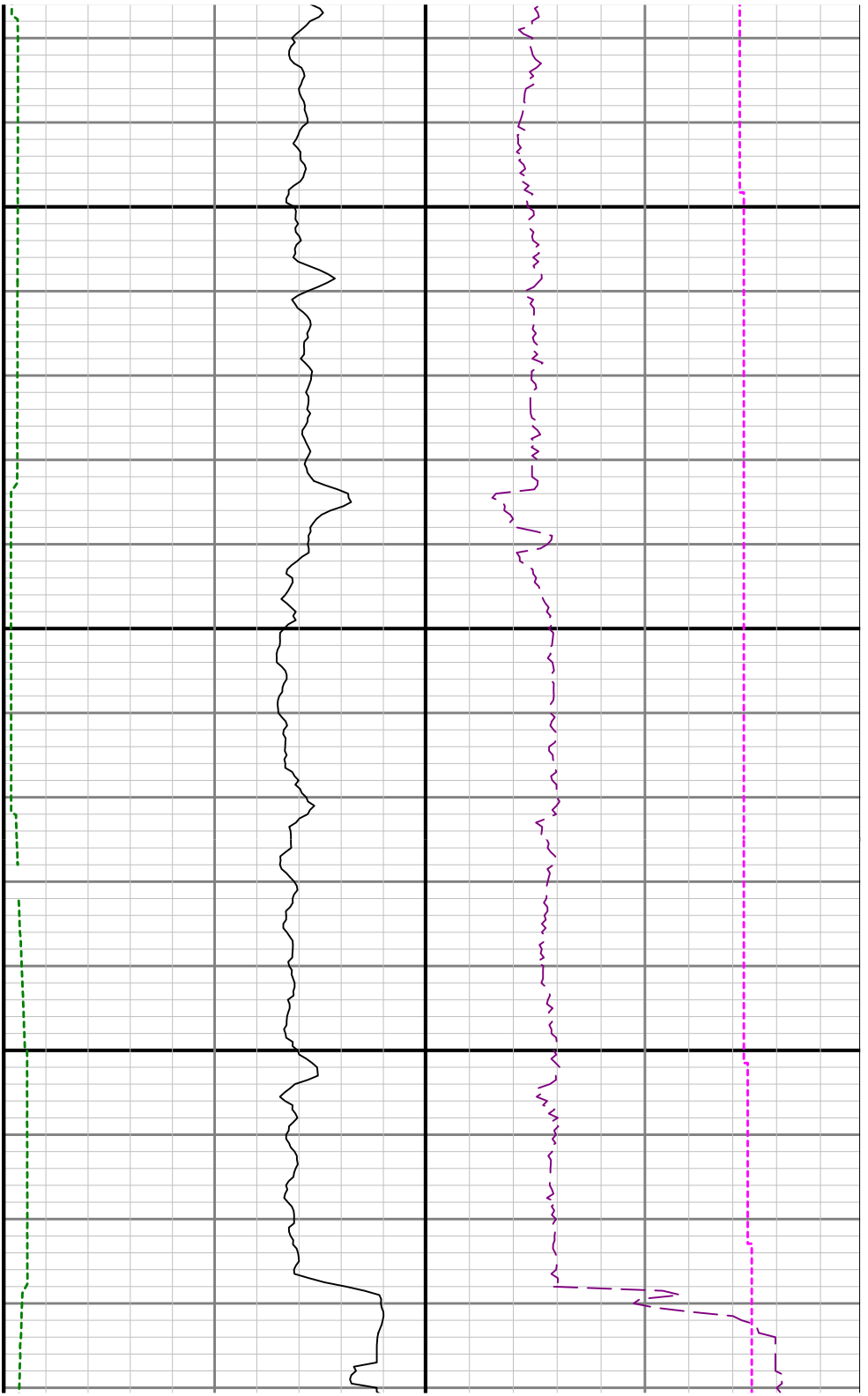
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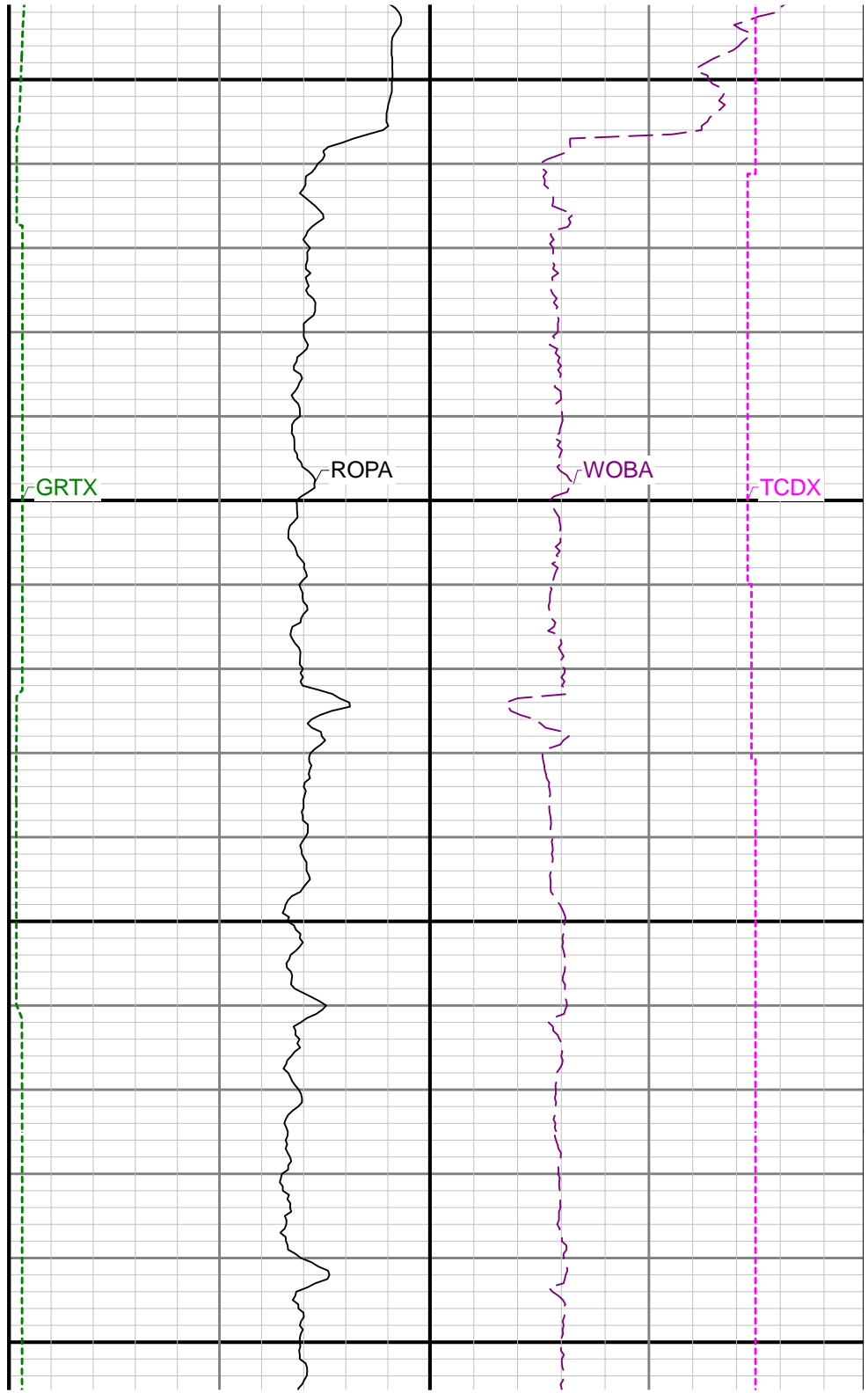
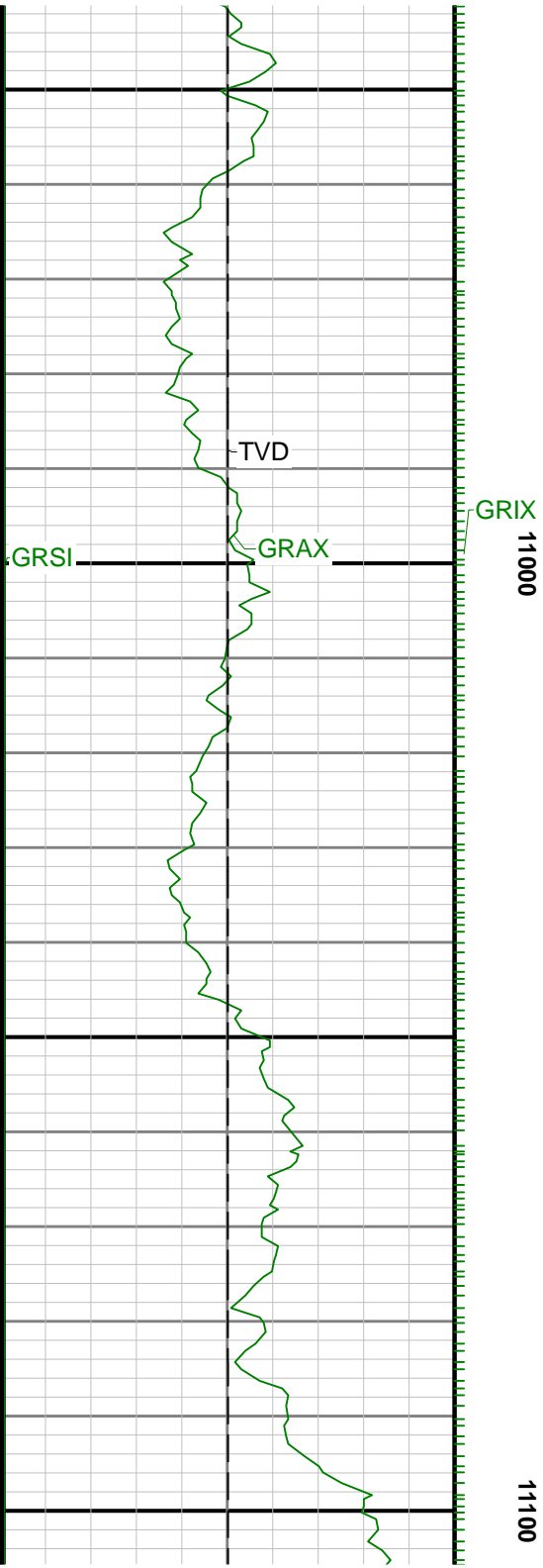


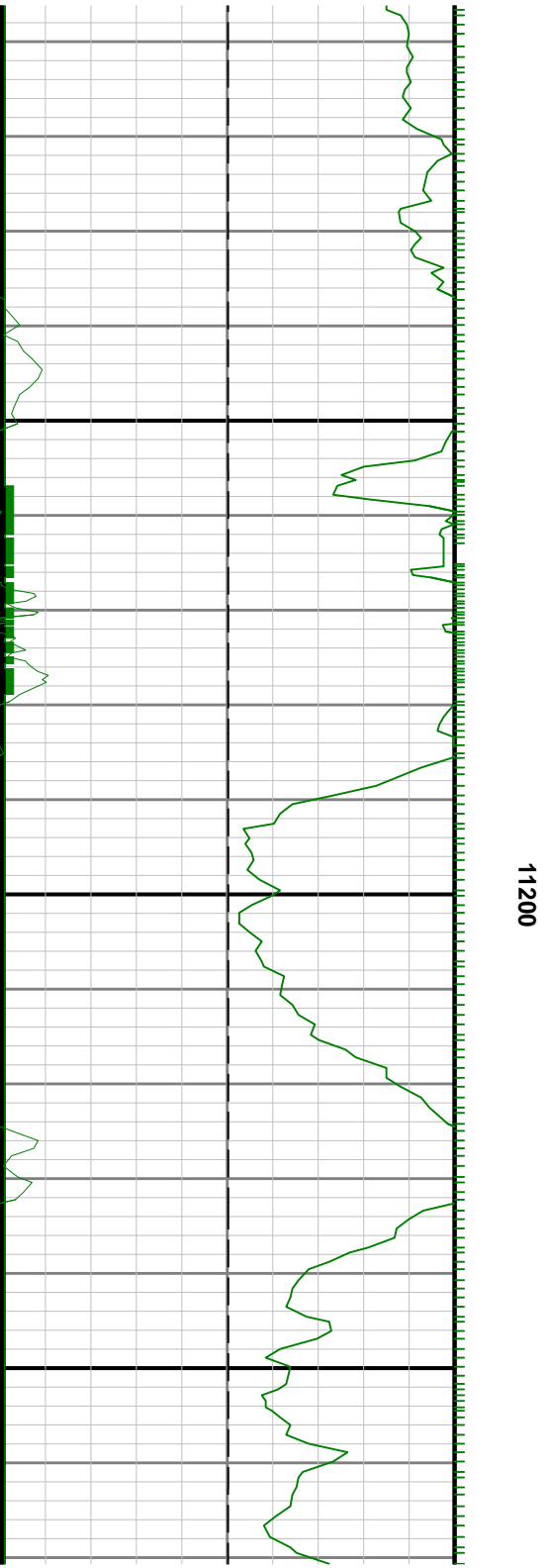
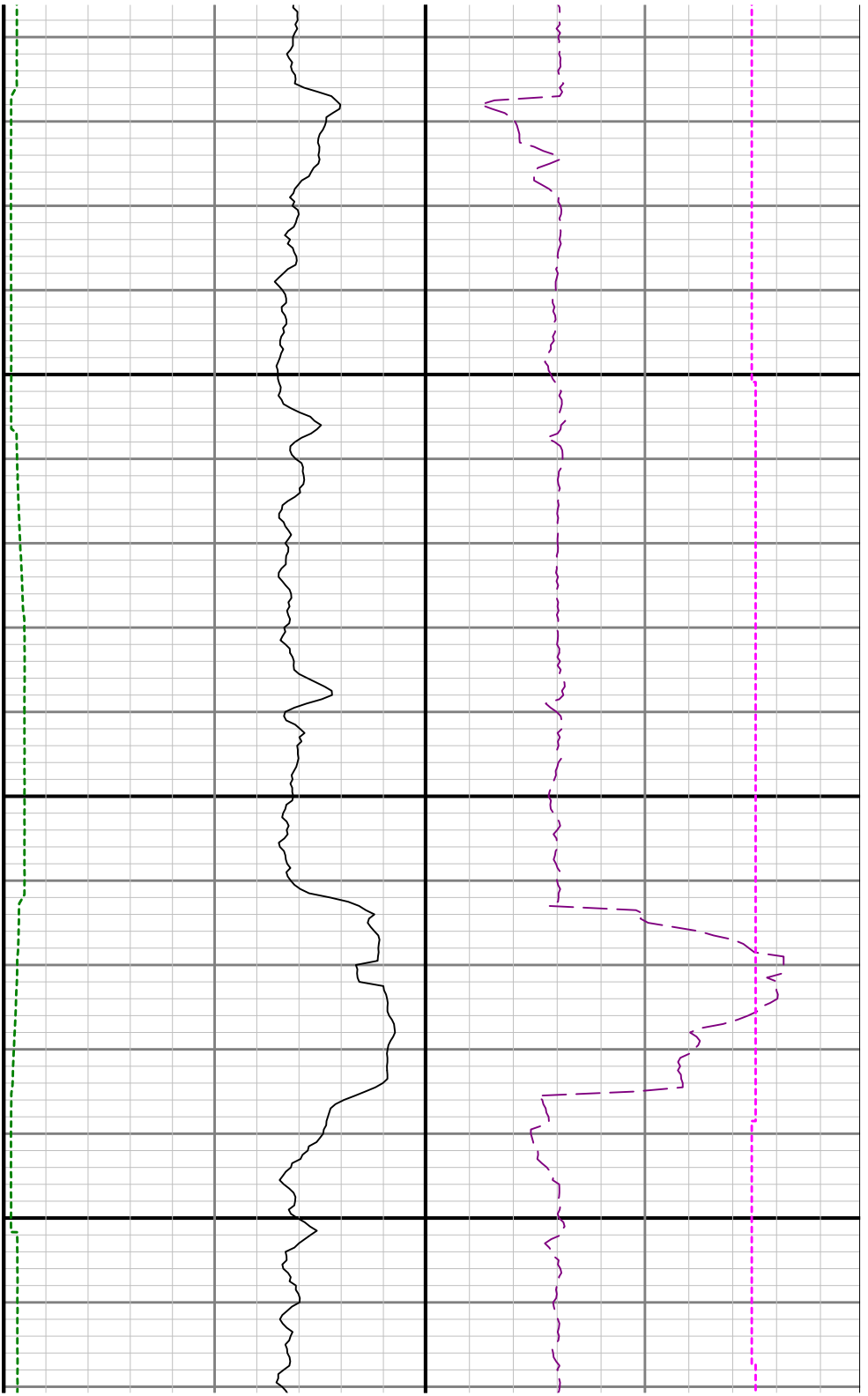


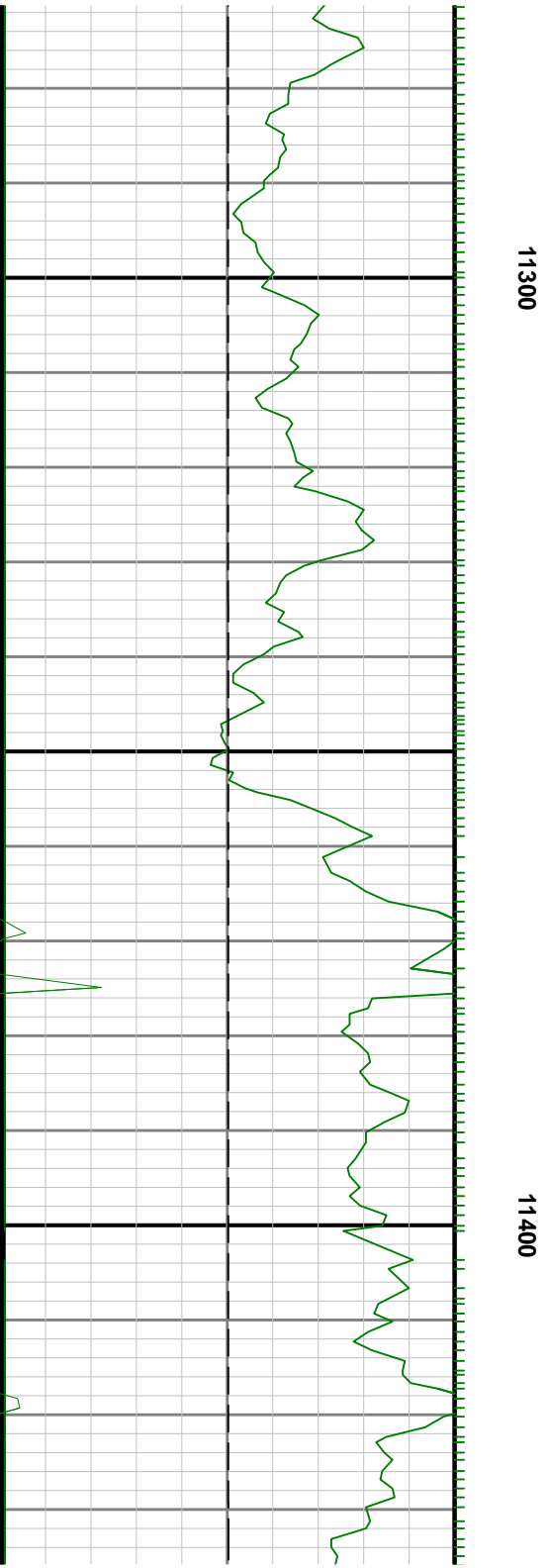
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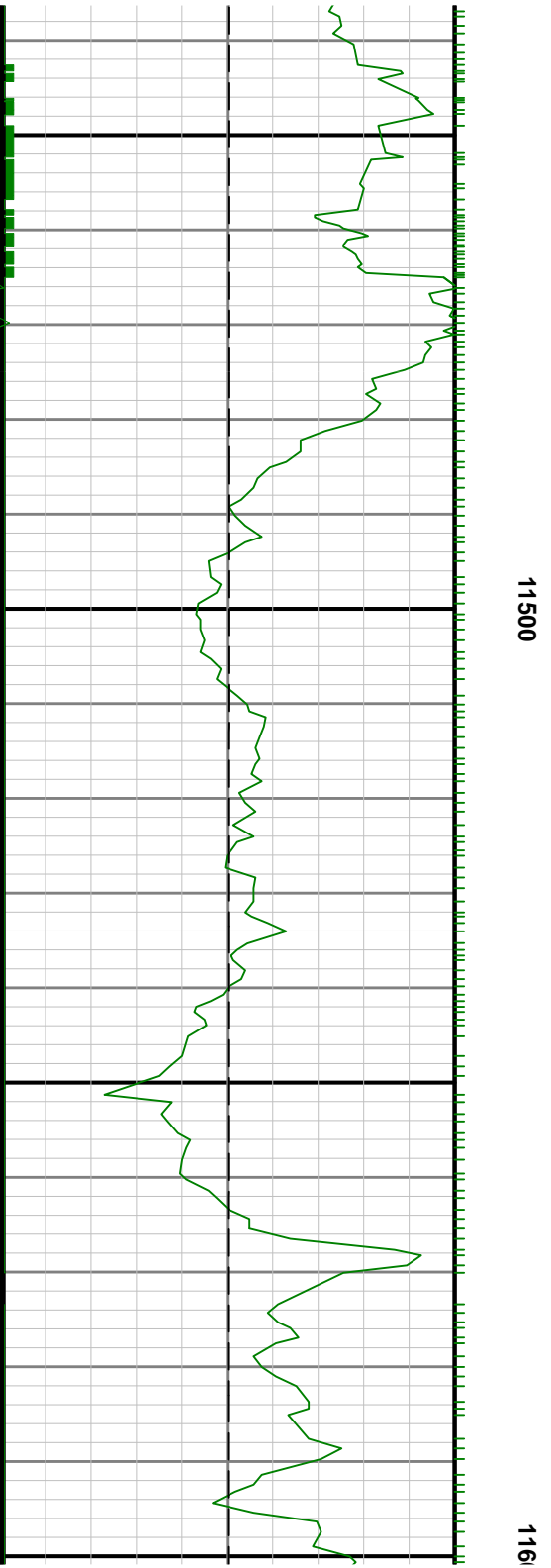
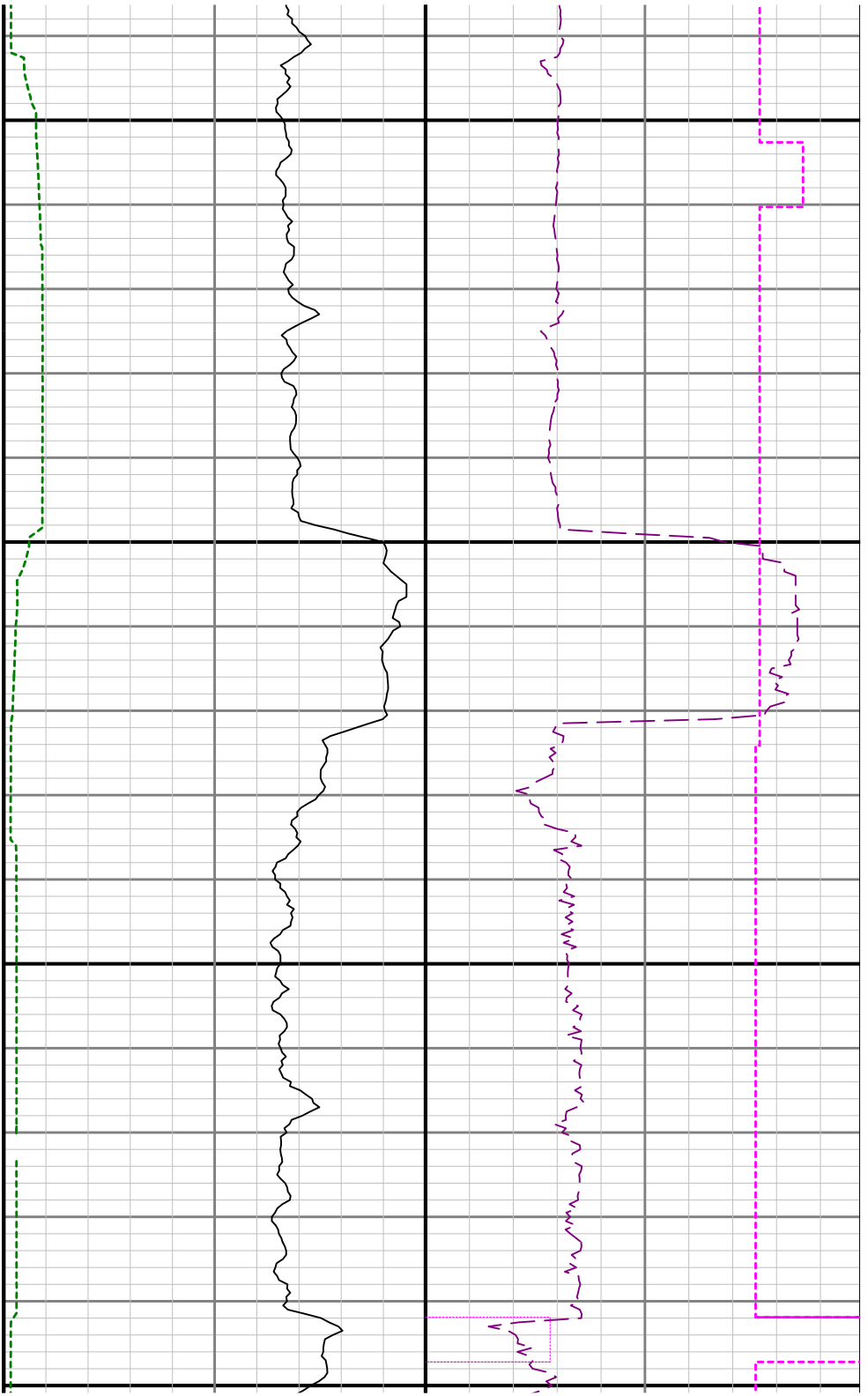








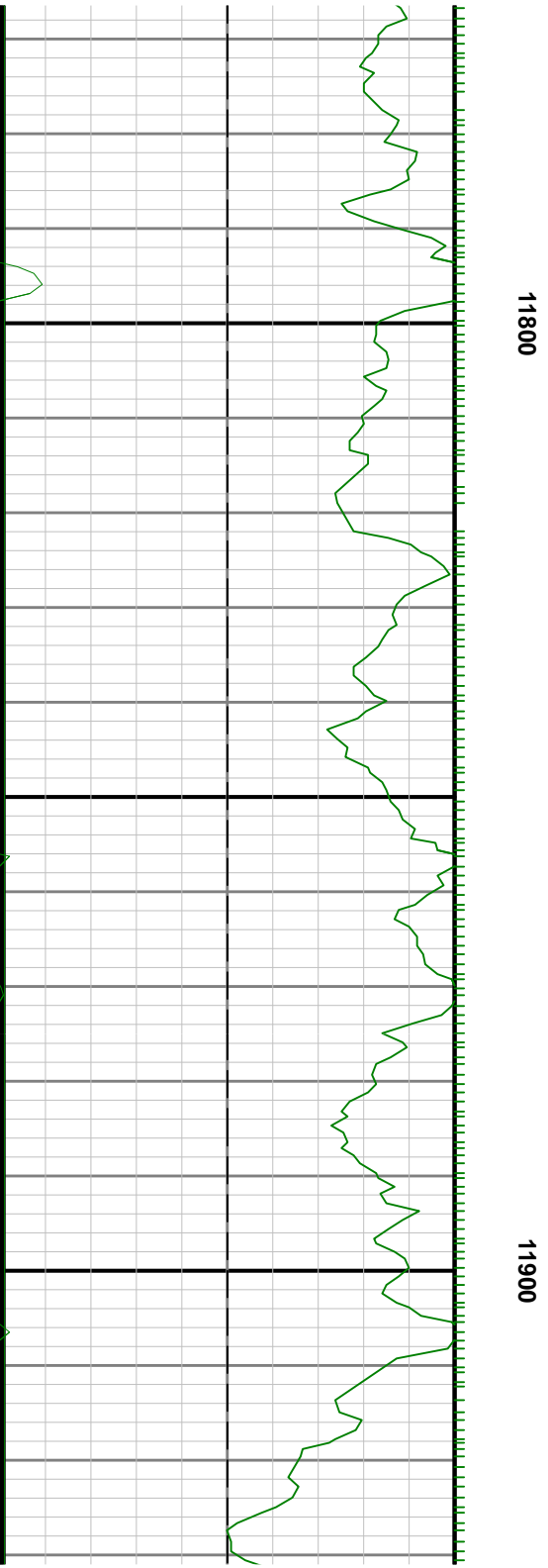
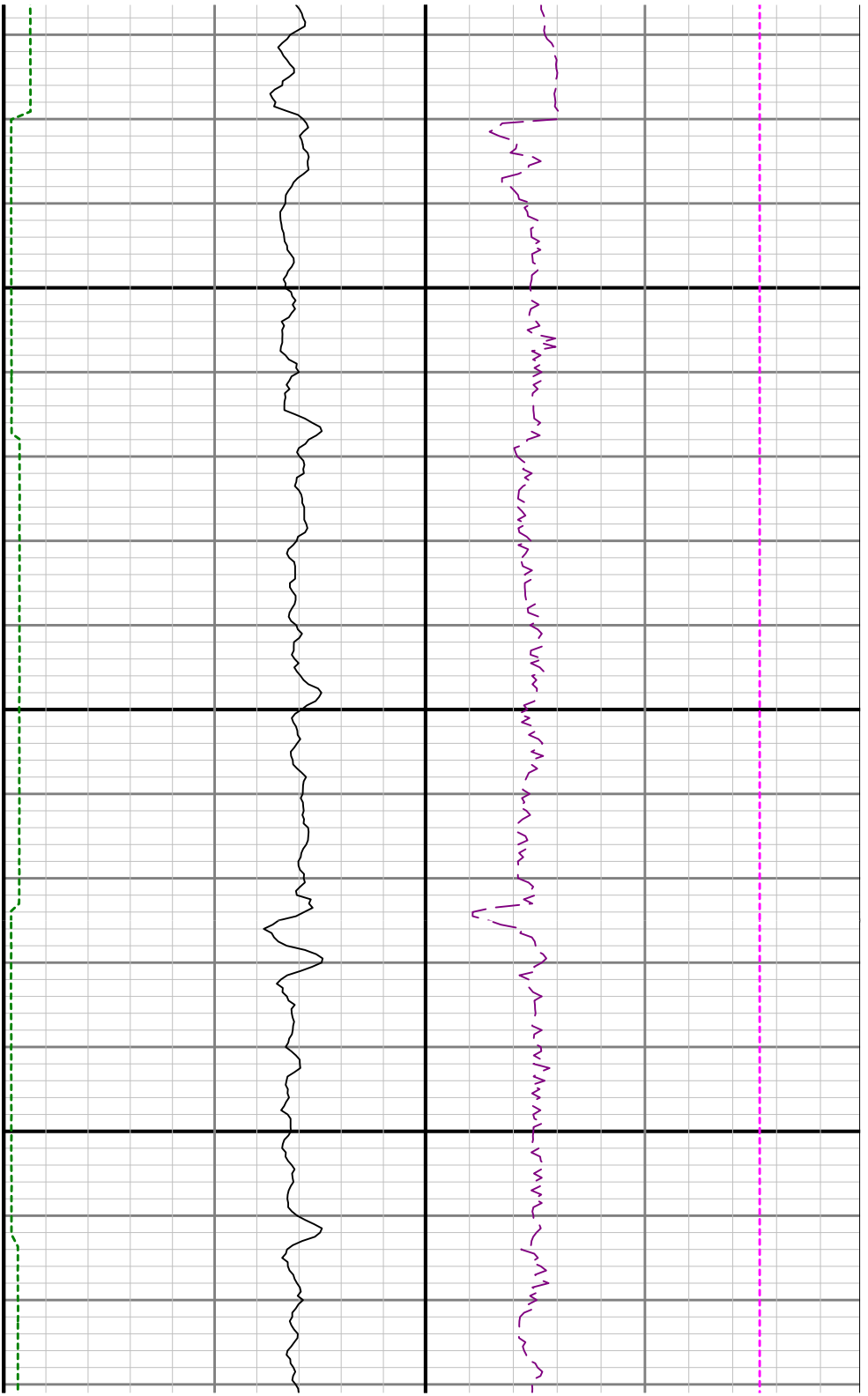


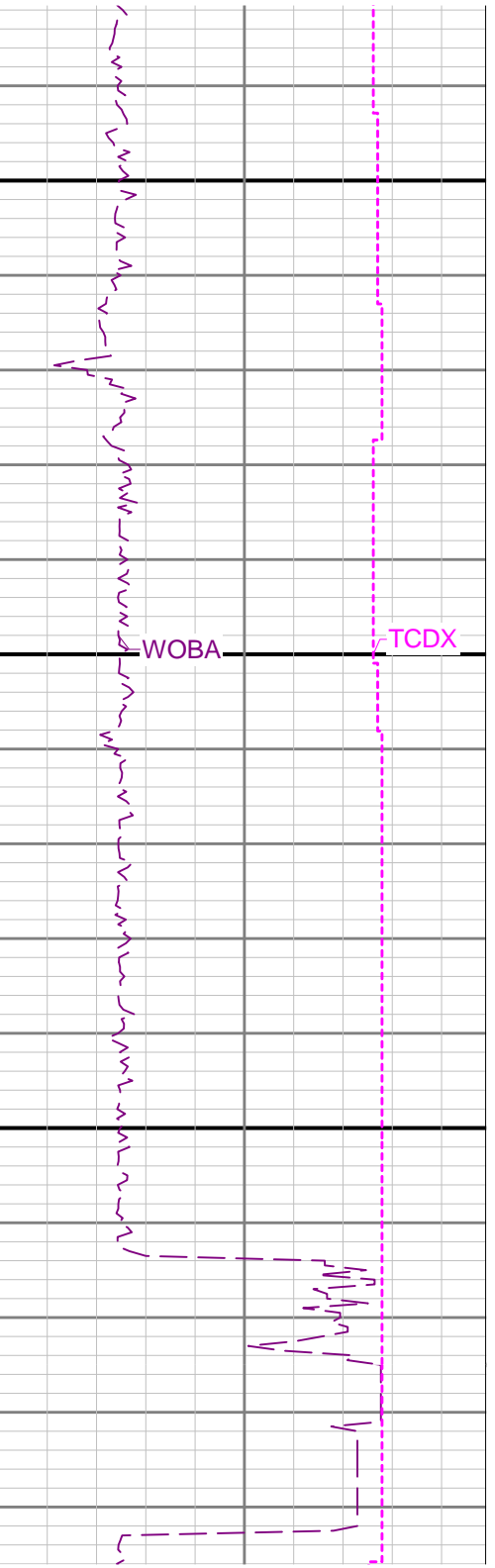
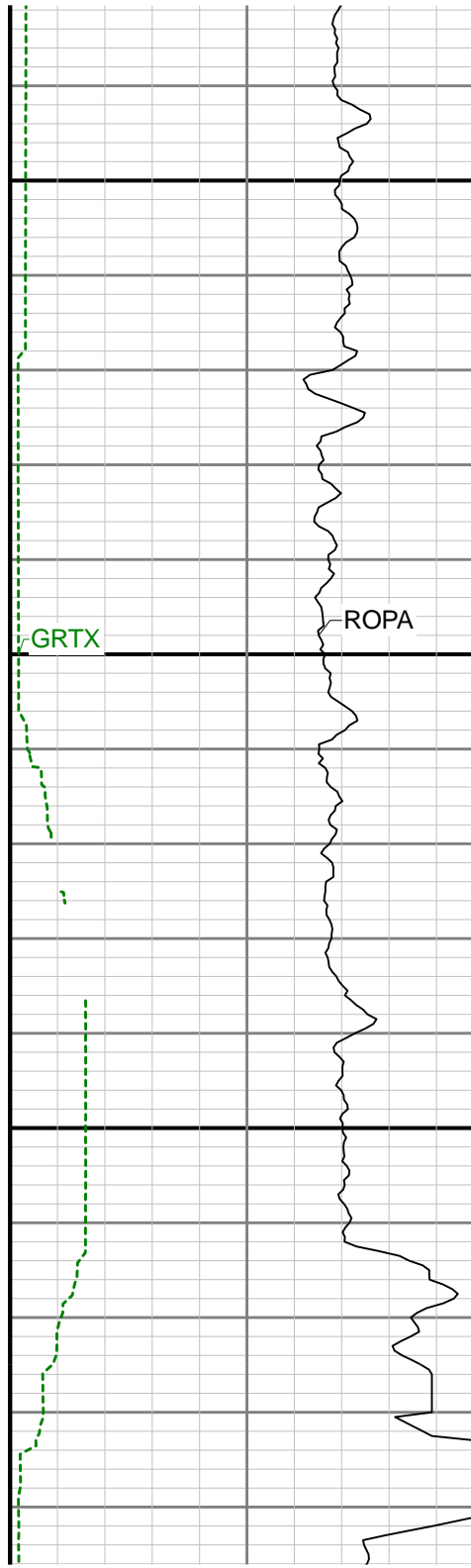
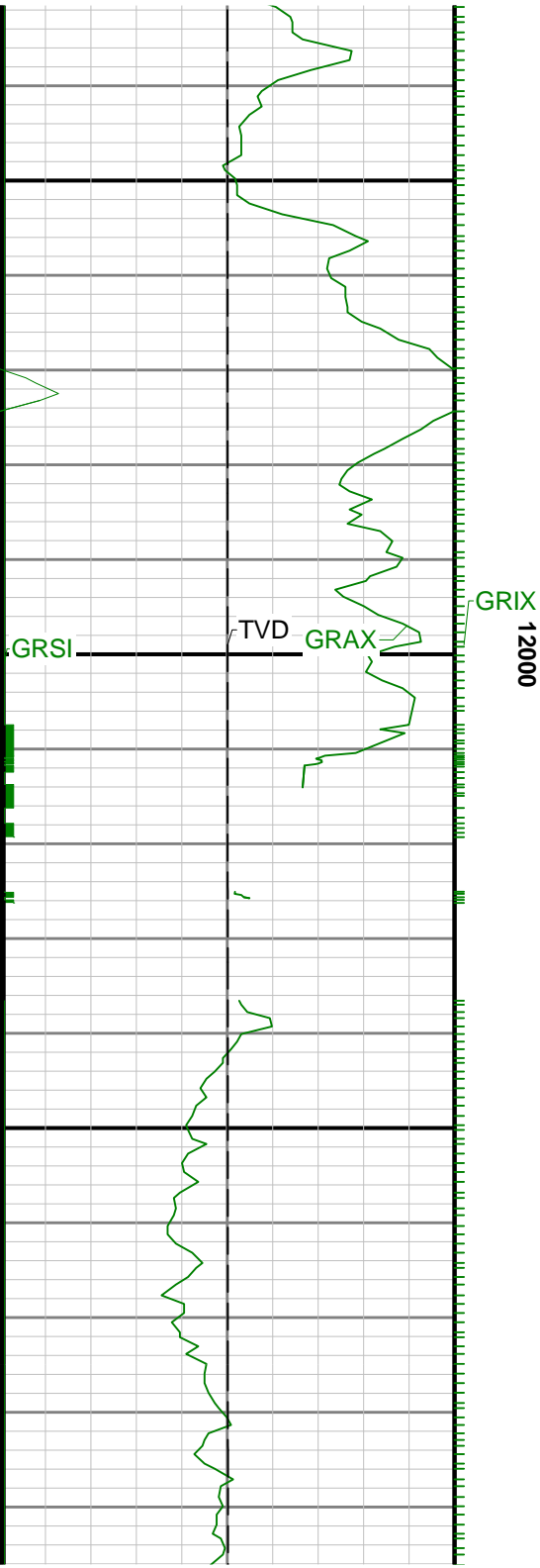


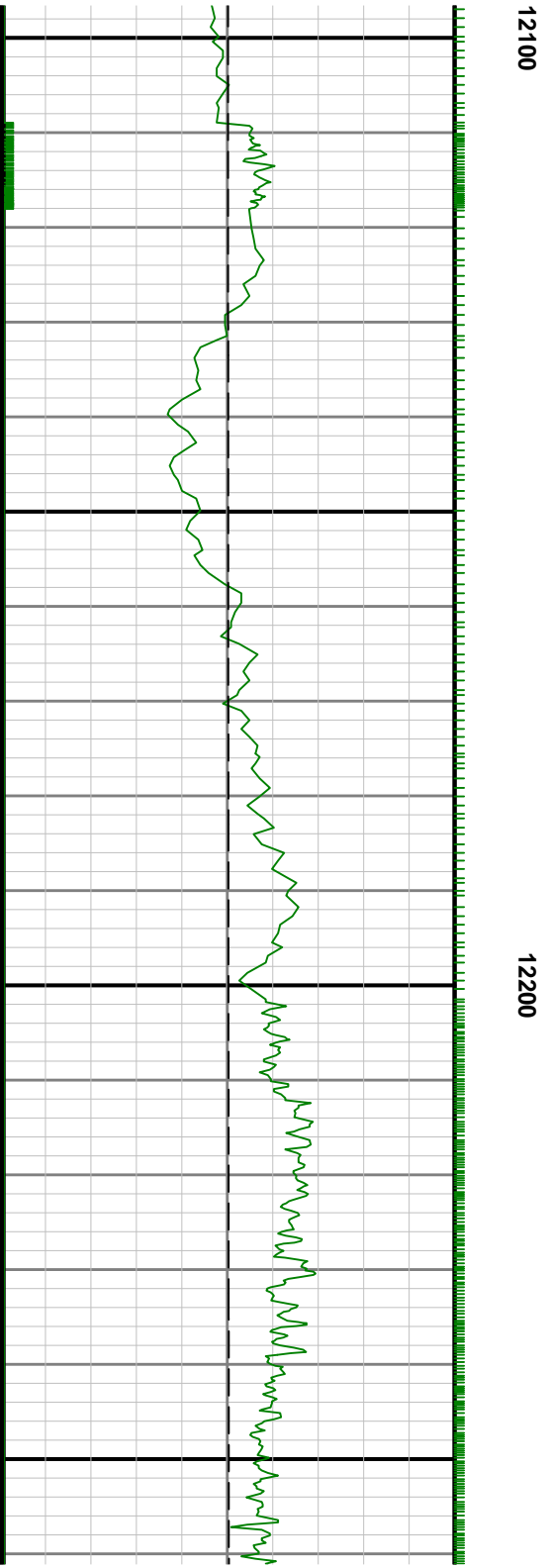
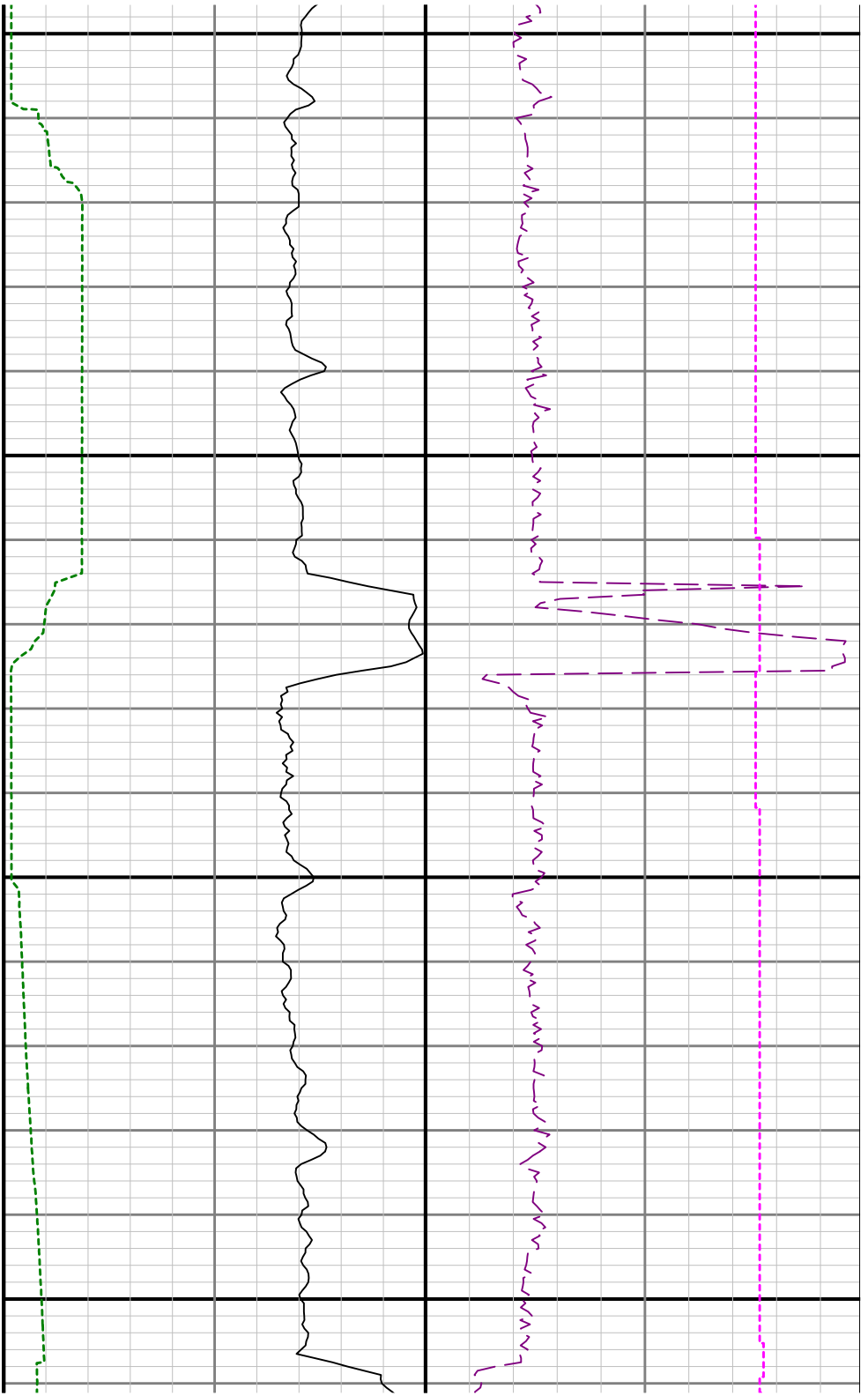


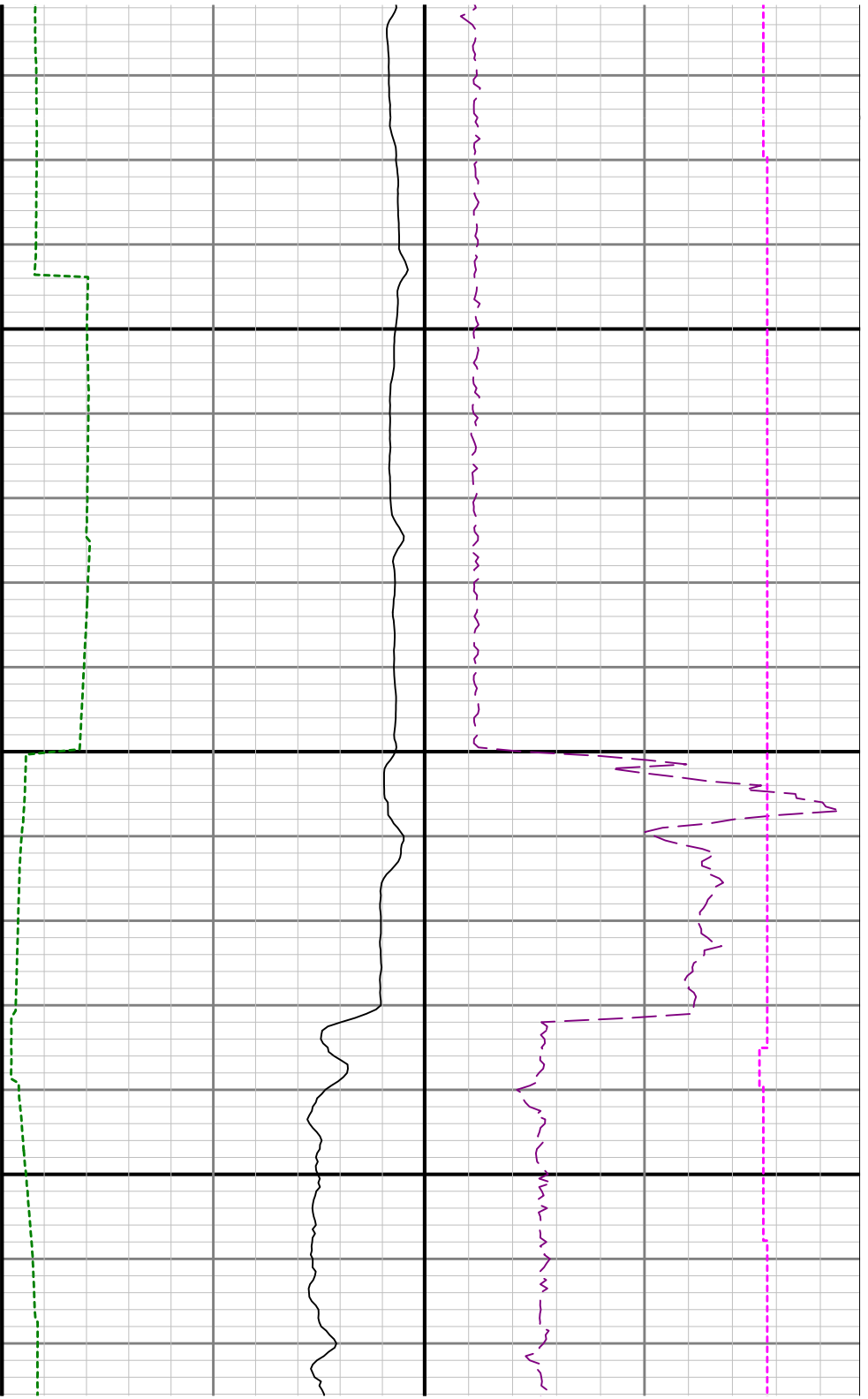
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12400

