



2016-11-22 03:30	2	7900.00	Water Based Mud	9.8	14	9.9	5.9	1.5/90.9	Suction	2200	0.00
2016-11-22 15:30	2	9500.00	Water Based Mud	9.8	14	10.1	5.7	1.5/90.7	Suction	2000	0.00
2016-11-23 03:30	2	11500.00	Water Based Mud	9.9	14	10.3	5.9	1.5/90.5	Suction	2100	0.00
2016-11-23 15:30	2	13850.00	Water Based Mud	9.9	14	10.6	5.8	1.7/90.4	Suction	2000	0.00
2016-11-24 03:30	2	15260.00	Water Based Mud	9.9	15	10	5.5	2.0/90.1	Suction	1900	0.00
2016-11-24 15:30	2	16530.00	Water Based Mud	9.9	14	10.9	5.6	2.0/90.0	Suction	2000	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	NaviTrak	DHP505	Directional (mag)	13.82	50.07	8.000	0.000
1	NaviTrak	DHP505	VSS	13.82	50.07	8.000	0.000
2	ATC_SU	11994998	Near Bit VSS	5.93	6.72	7.550	4.330
2	ATC_SU	11994998	Near Bit Inclination	5.93	6.72	7.550	4.330
2	ATC_MWD	12536636	Gamma (single)	2.75	12.89	6.920	3.250
2	ATC_MWD	12536636	Directional (mag)	12.27	22.41	6.920	3.250

Service and Tool Mnemonics

Mnemonic	Name	Description
ATC_SU	ATC_SU	Auto Trak Curve Steering Unit
ATC_MWD	ATC_MWD	Auto Trak Curve MWD
ATC_LCPM	ATC_LCPM	Auto Trak Curve LCPM

Comments

1	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.
2	Gamma Ray Apparent (GRAX) is presented 0 to 300 API per customer request.
3	Baker Hughes LWD Run 1 utilized 8 1/4 inch NaviTrak service (Directional only) behind a 13 1/2 inch bit and steerable assembly from 97 to 1555 feet MD (97 to 1555 feet TVD). No logging data was acquired during this run.
4	Baker Hughes LWD Run 2 utilized 6 3/4 inch NaviGamma services (Gamma Ray and Directional) behind an 8 1/2 inch bit and rotary steerable assembly from 1555 to 17539 feet MD (1555 to 7234 feet TVD). As a result of downlinking and surveying while drilling ahead, there are gaps in logging data throughout this interval.

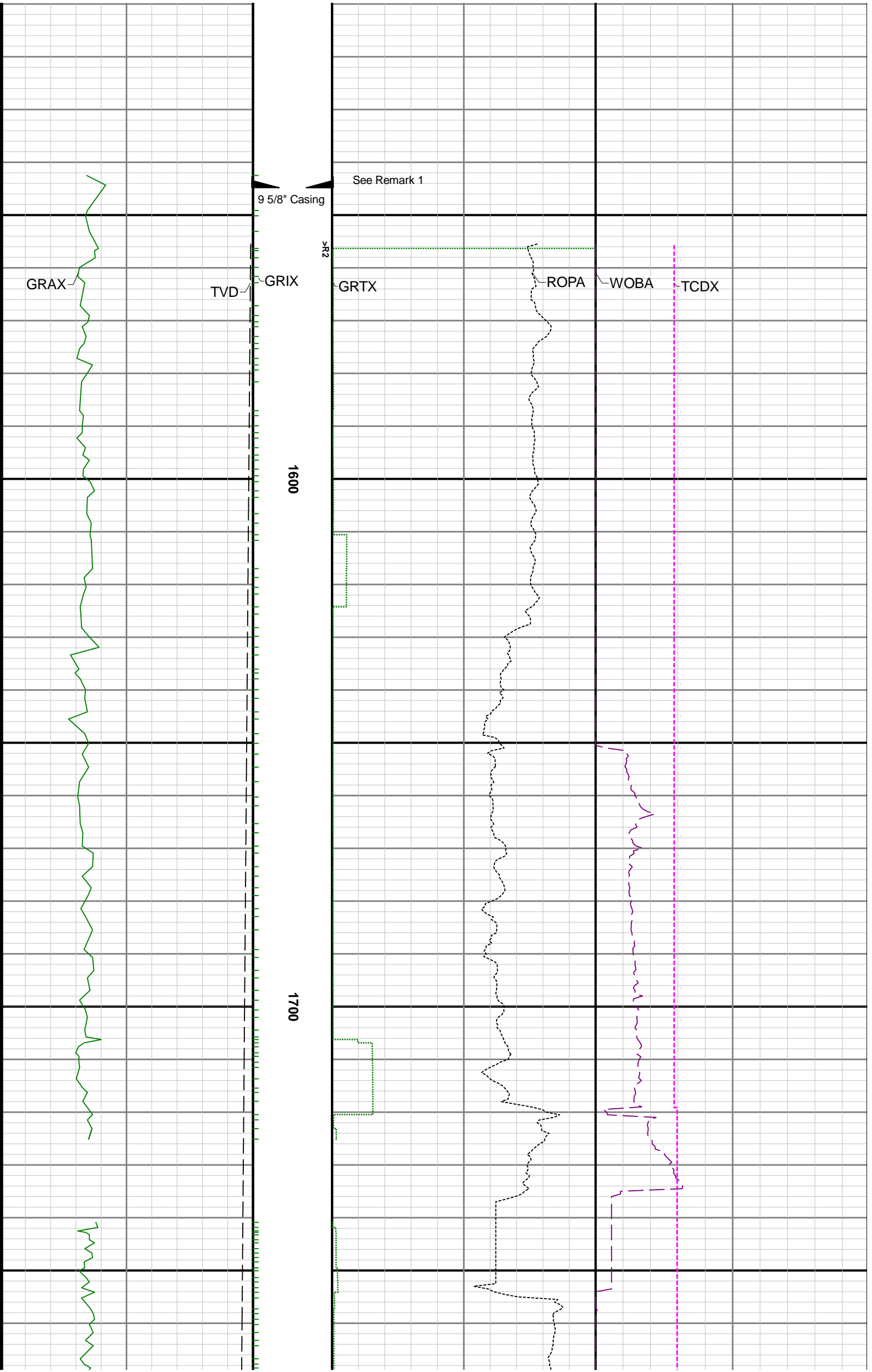
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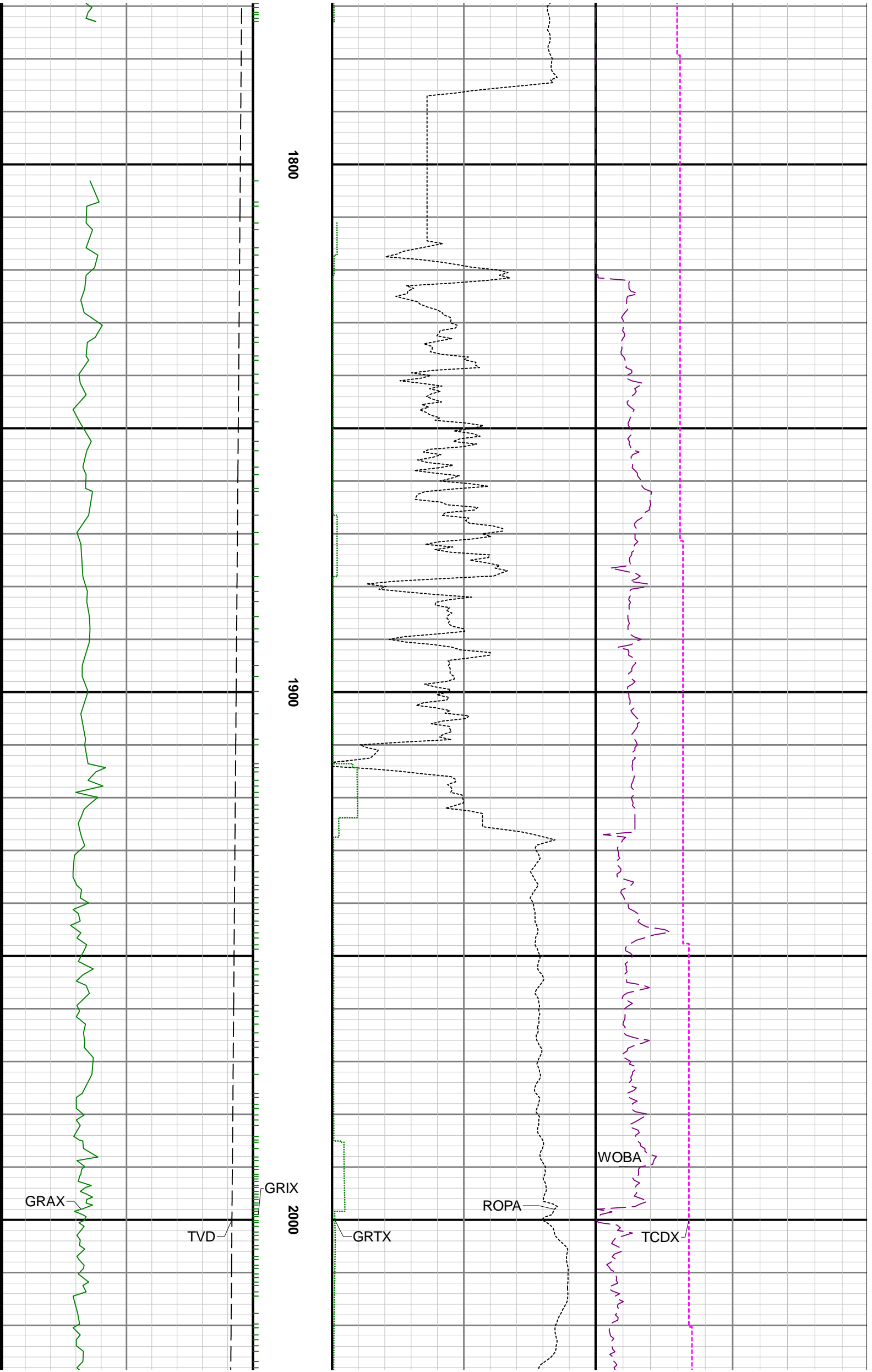
Number	Measured Depth (ft)	Hole Section (in)	Run No.	Remark
1	1545.00	8.500	2	The interval from 1542 to 1556 feet MD (1542 to 1556 feet TVD) was logged up to 26.1 hours after being drilled due to surface casing operations.
2	17540.00	8.500	2	The interval from 17526 to 17539 feet MD (7234 feet TVD) was not logged due to sensor to bit offset at well TD.

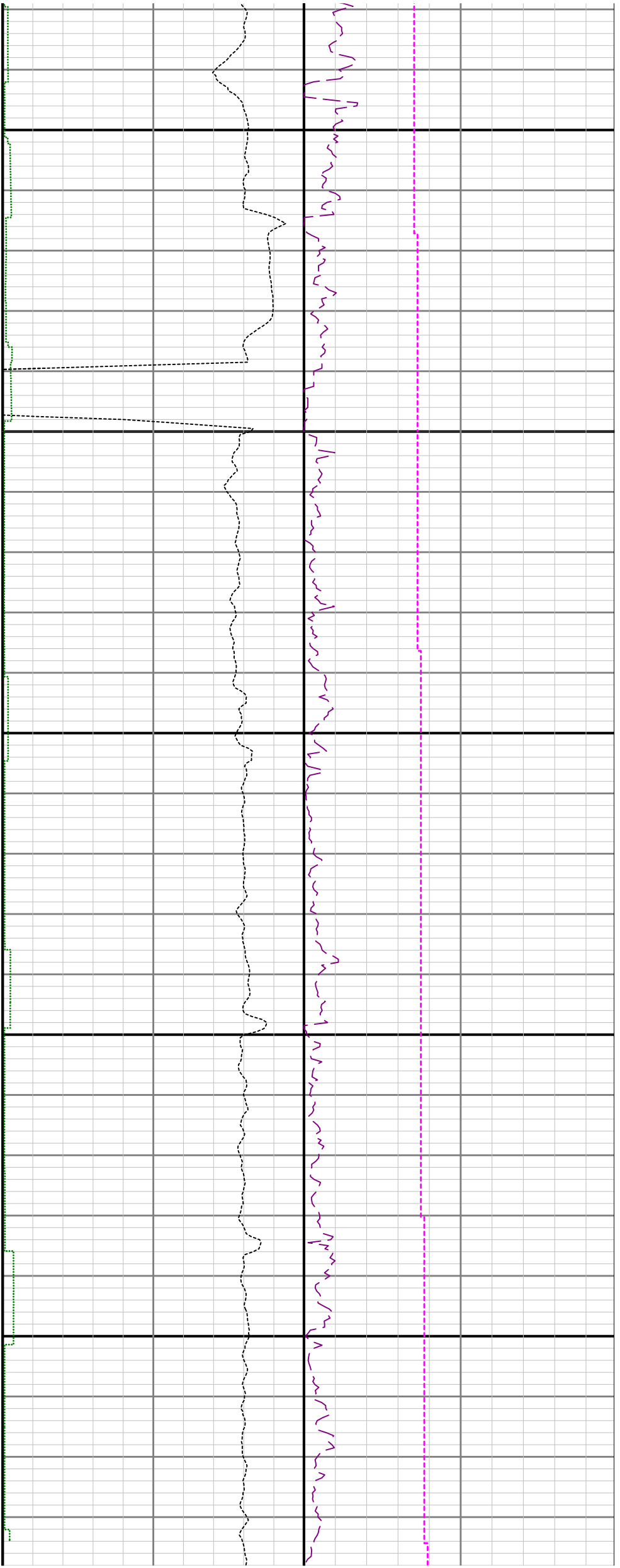
Curve Mnemonics

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

Gamma Ray - Apparent 0.5 ft Average GRAX										MD 1:240 feet	Depth Averaged ROP 3 ft Average ROPA										Weight On Bit, Average 1 ft Average WOBA									
0					300						1000					0					0					50				
API											ft/h										klb									
True Vertical Depth TVD											Gamma Time Since Drilled GRTX										Downhole Temperature TCDX									
7500					1500						0					600					0					250				
ft											min										degF									
										1500																				

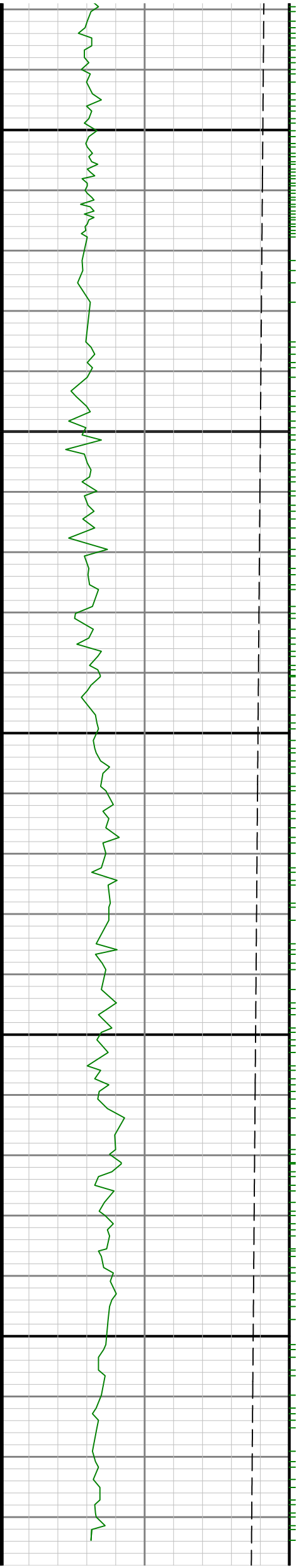


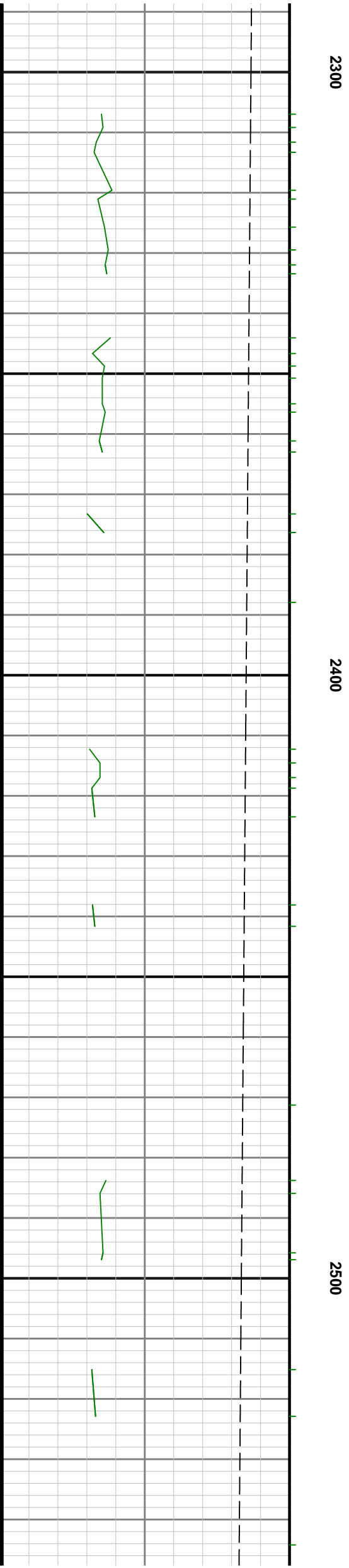
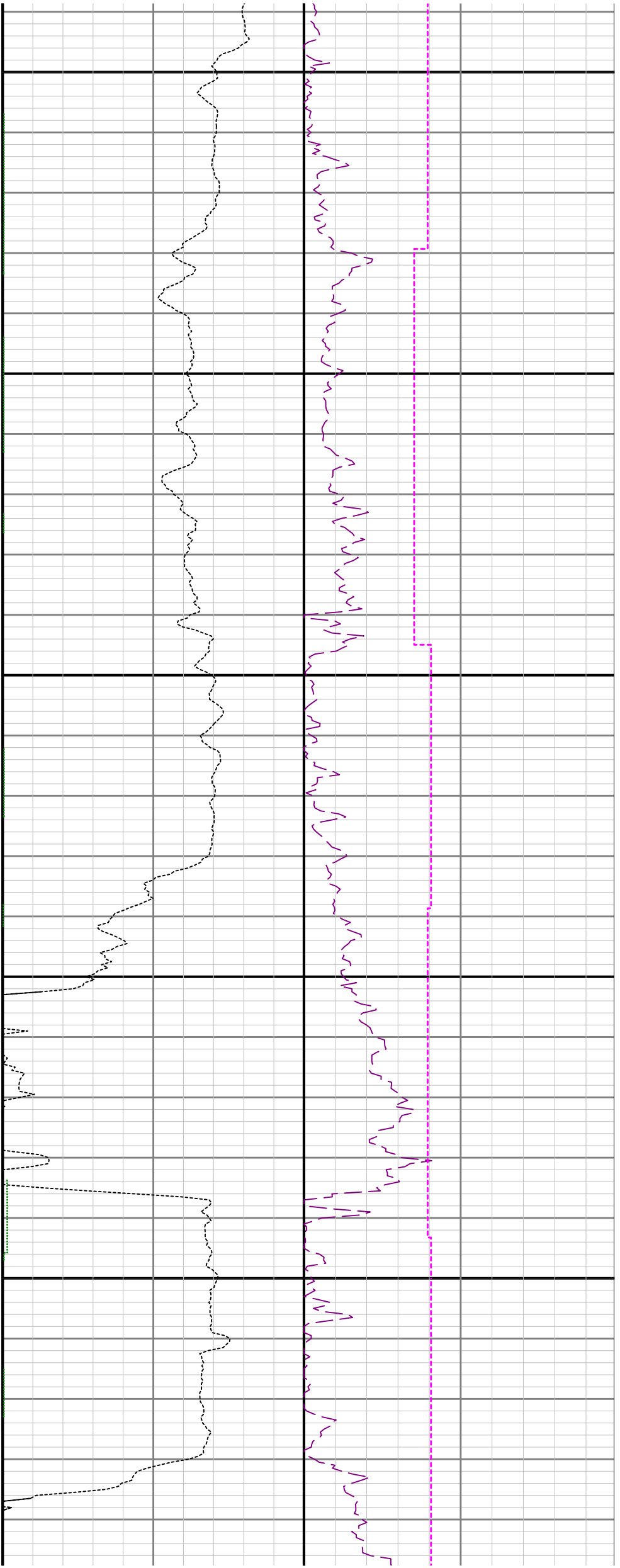


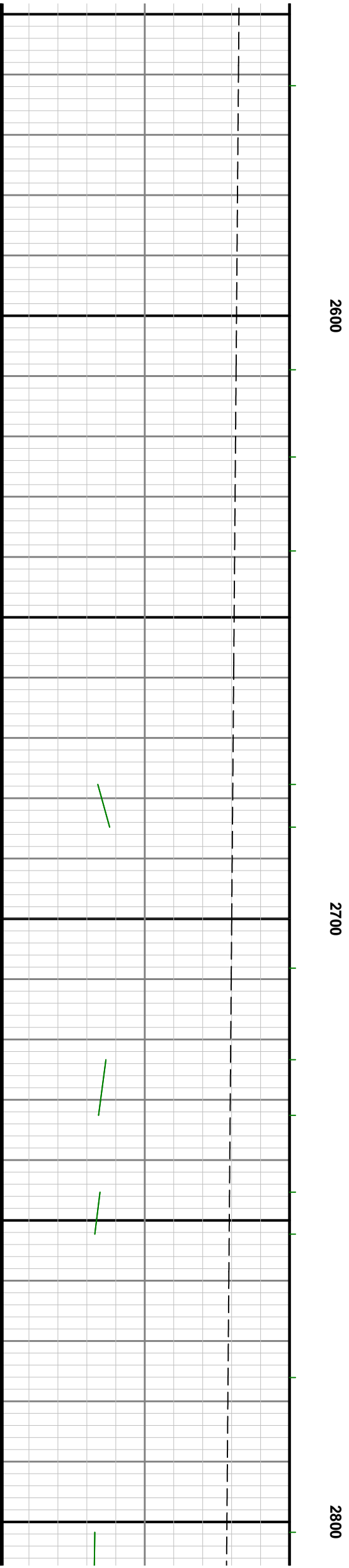
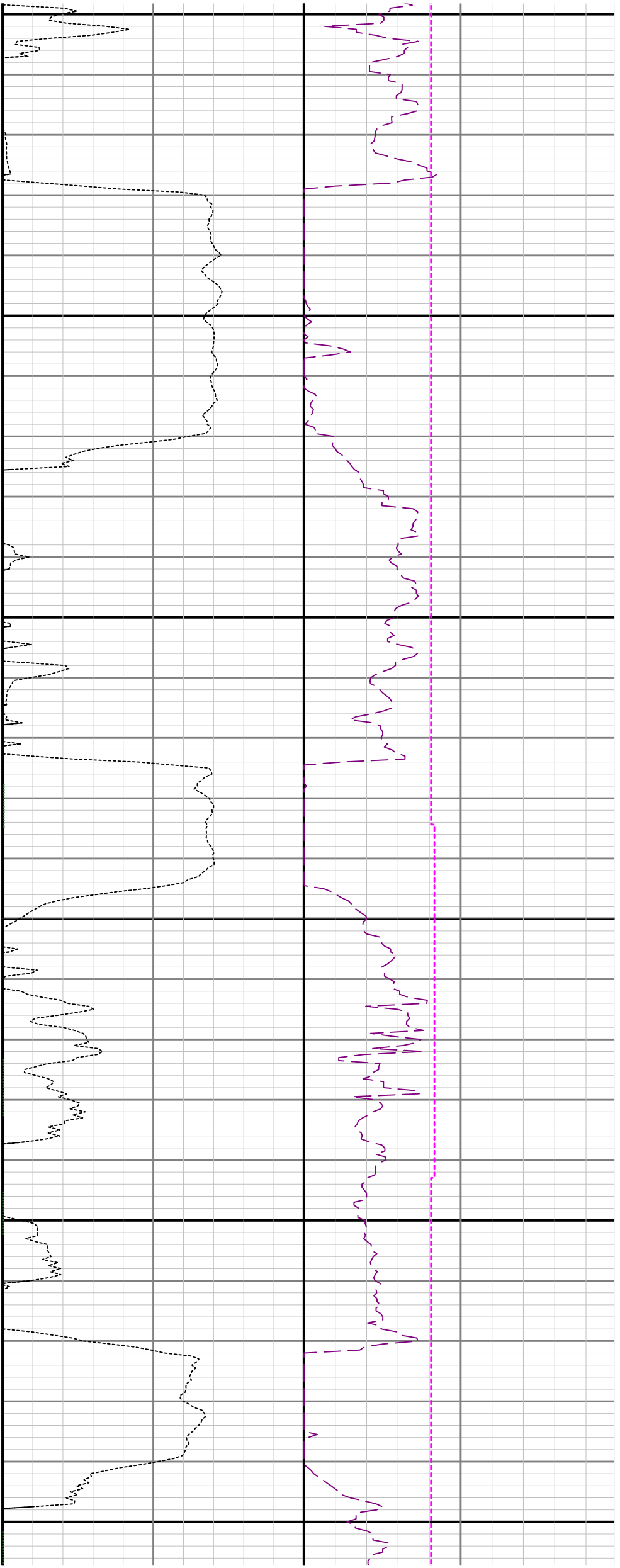


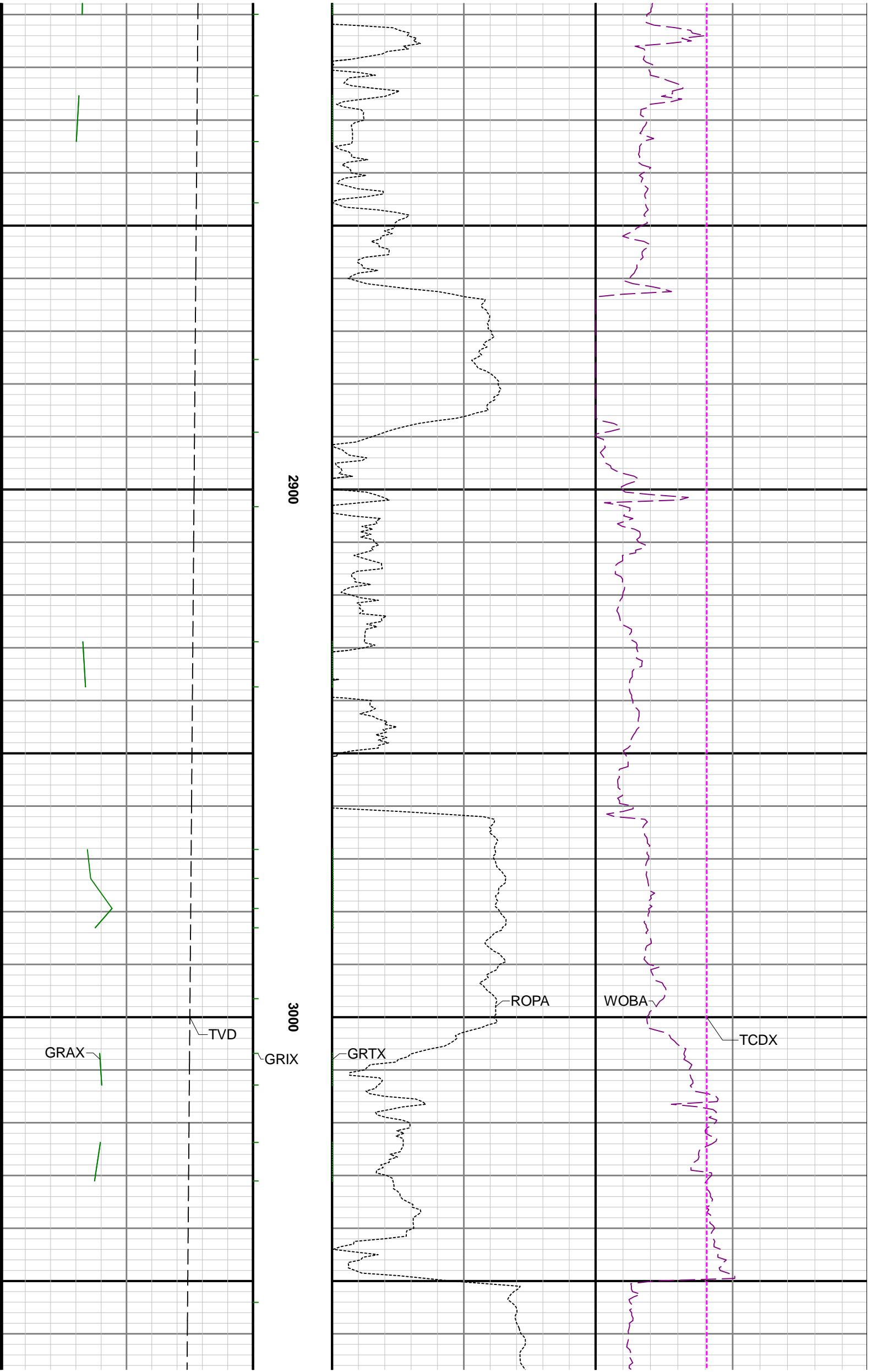
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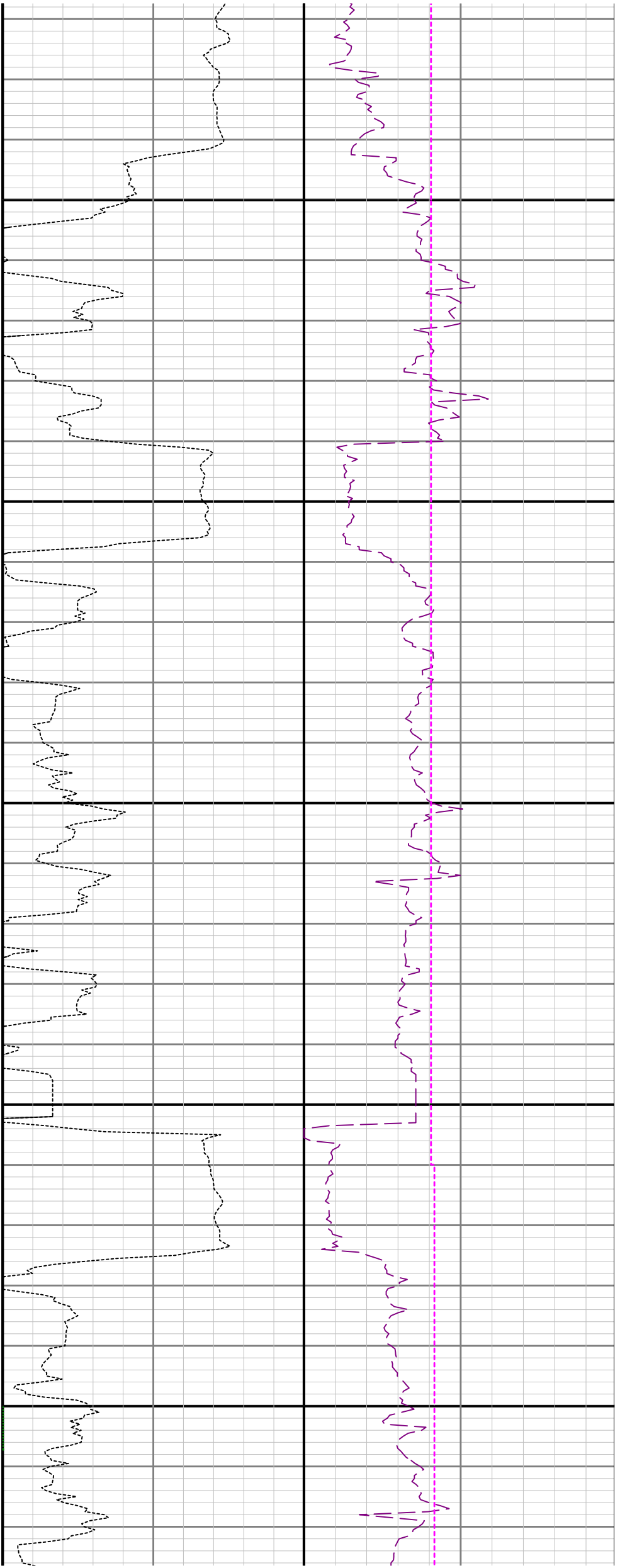








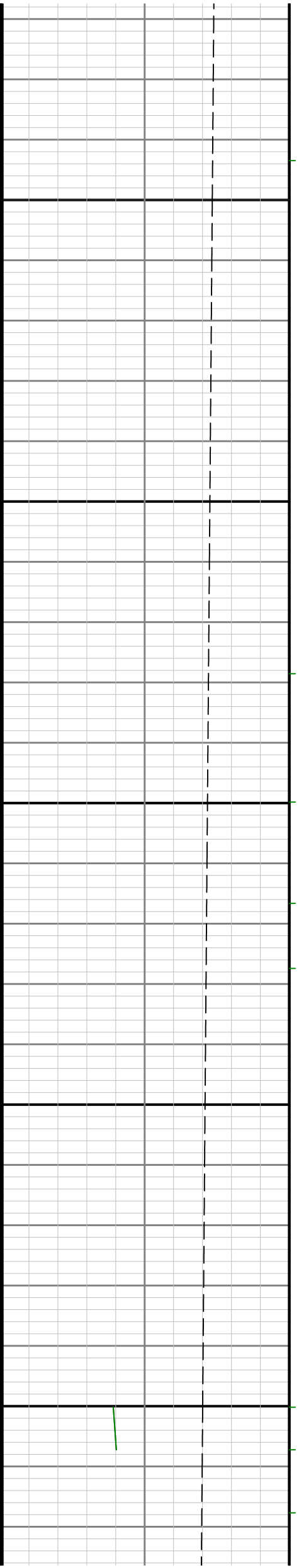


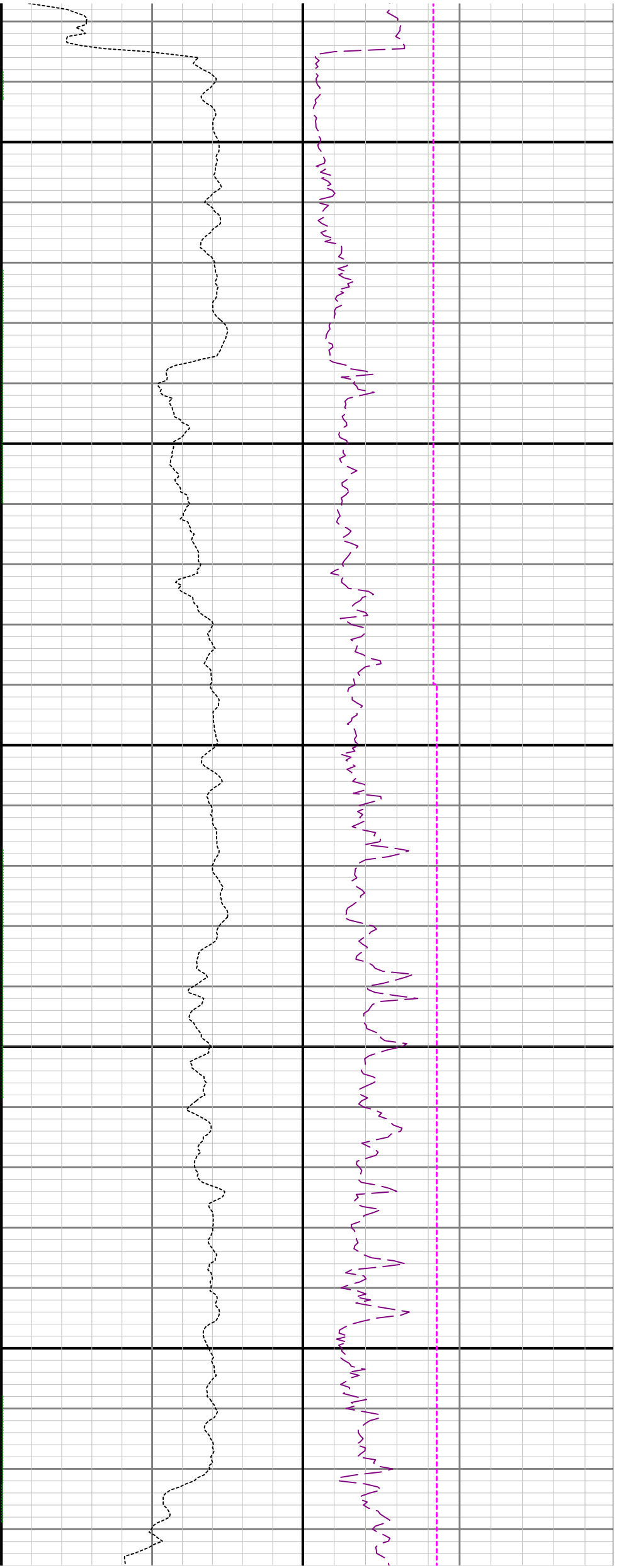


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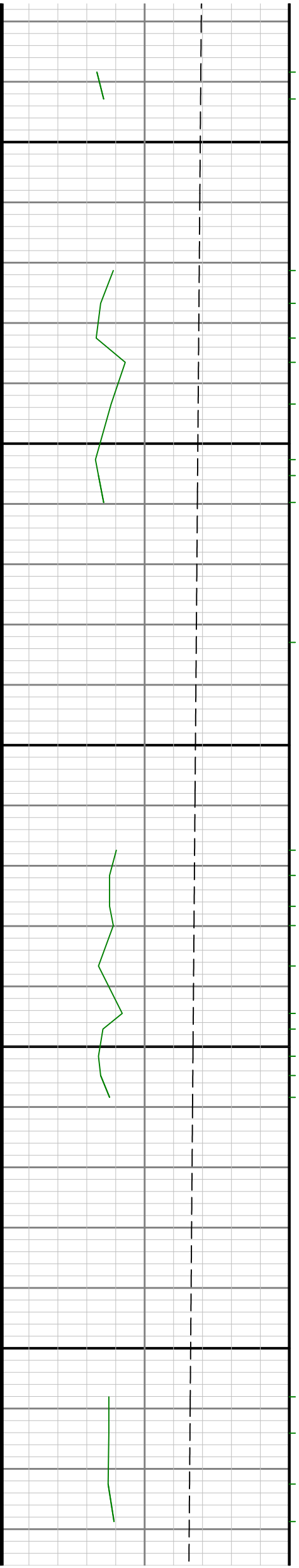
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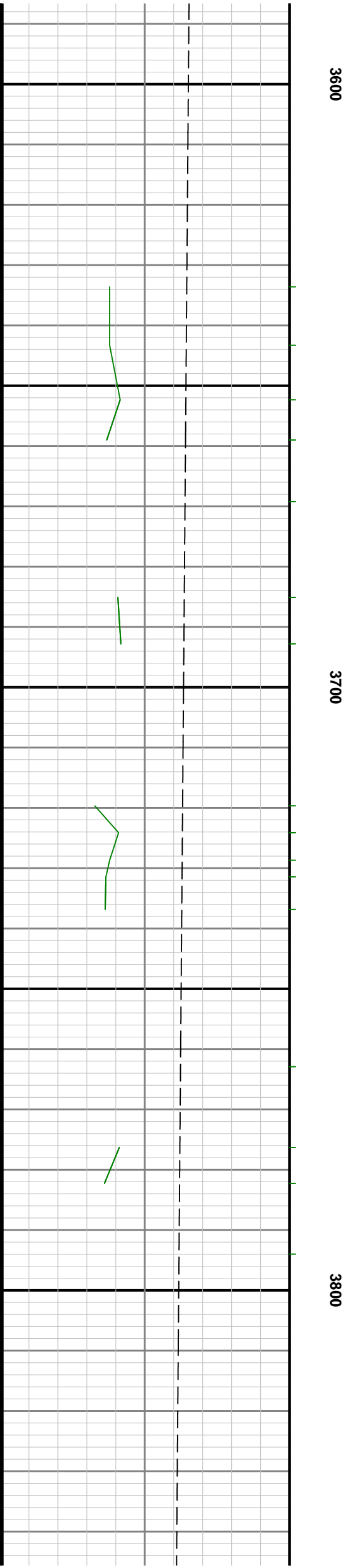
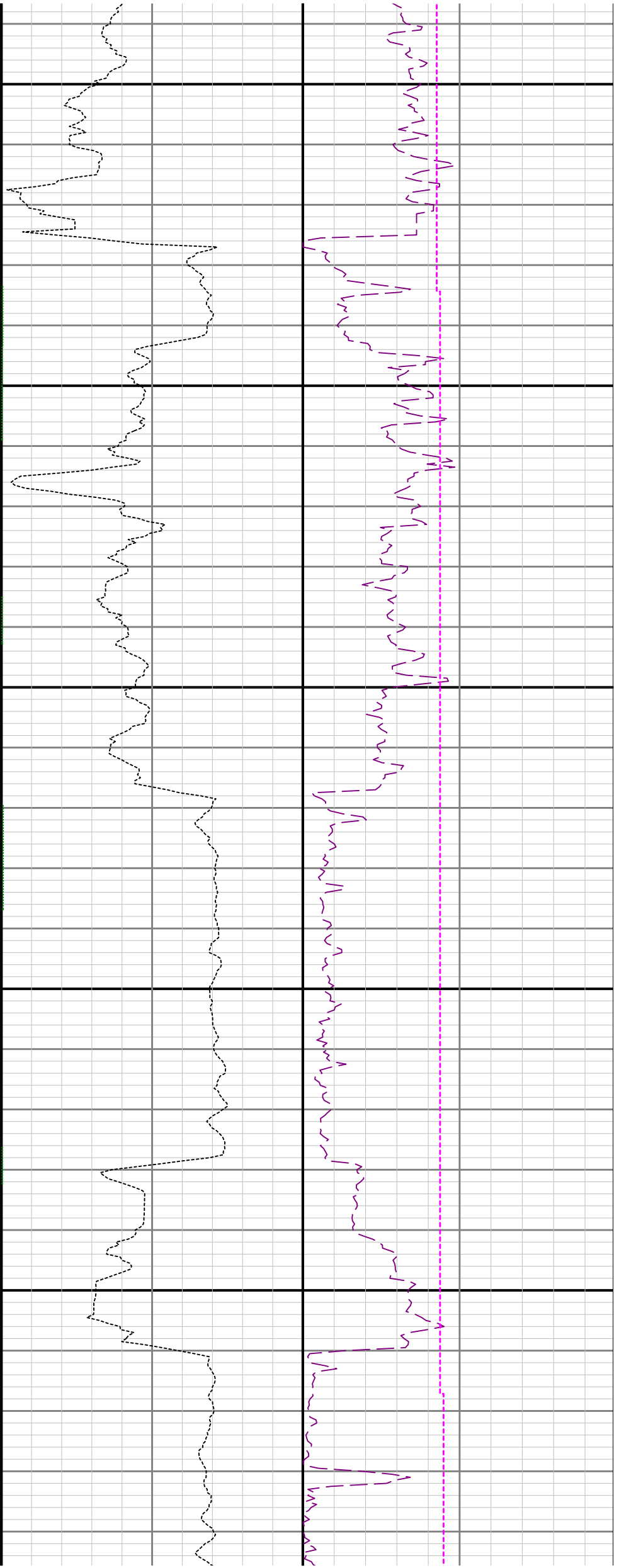


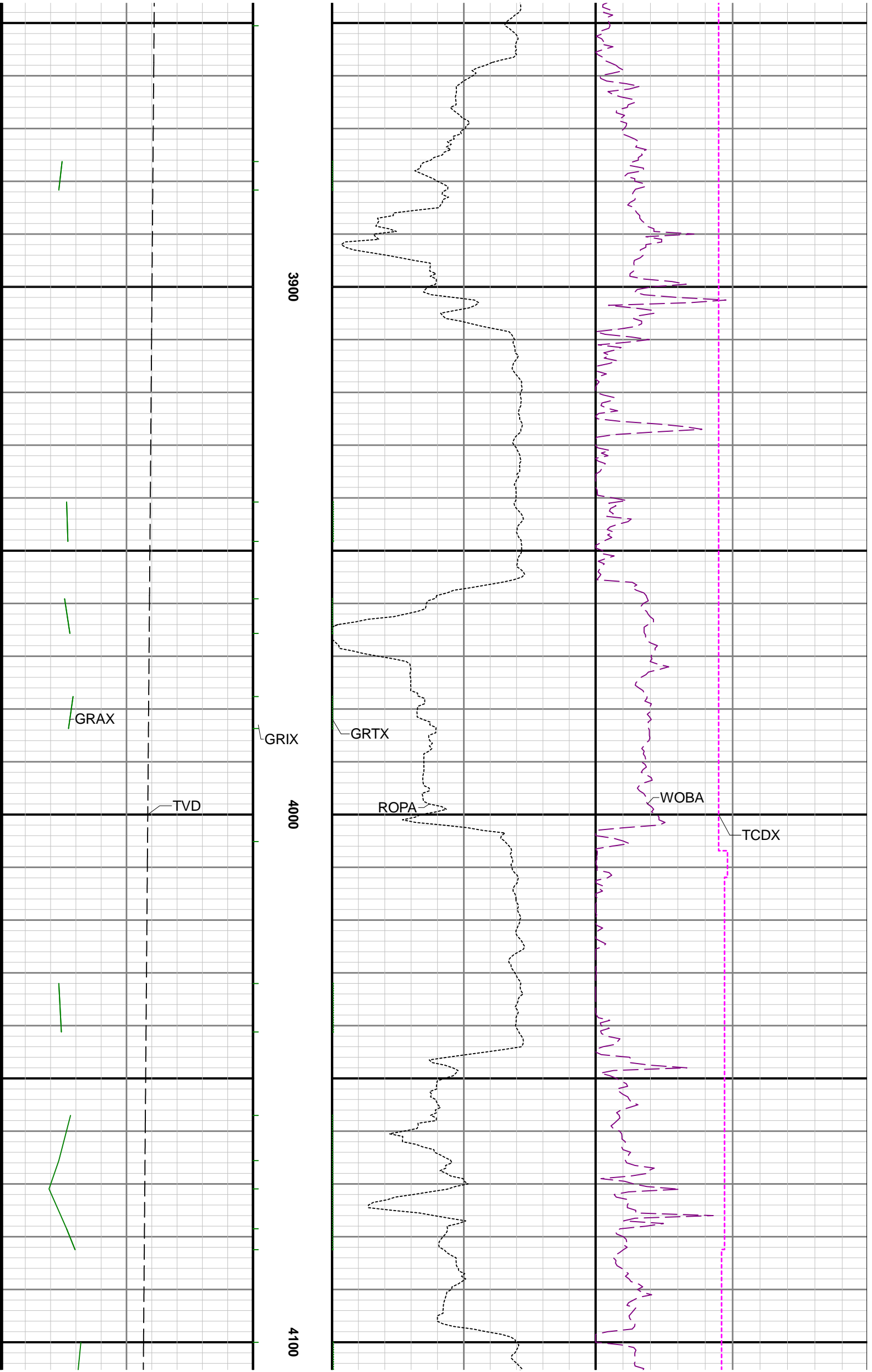


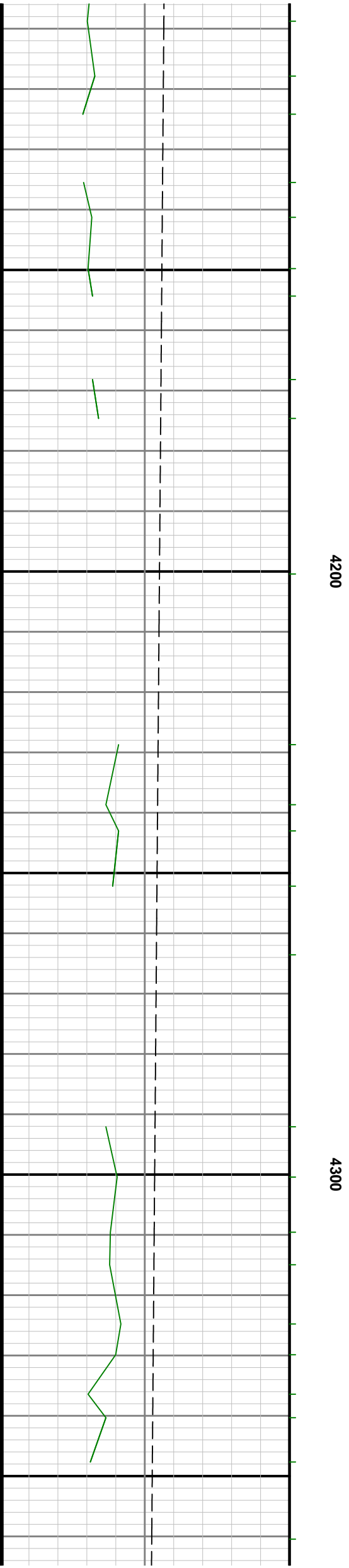
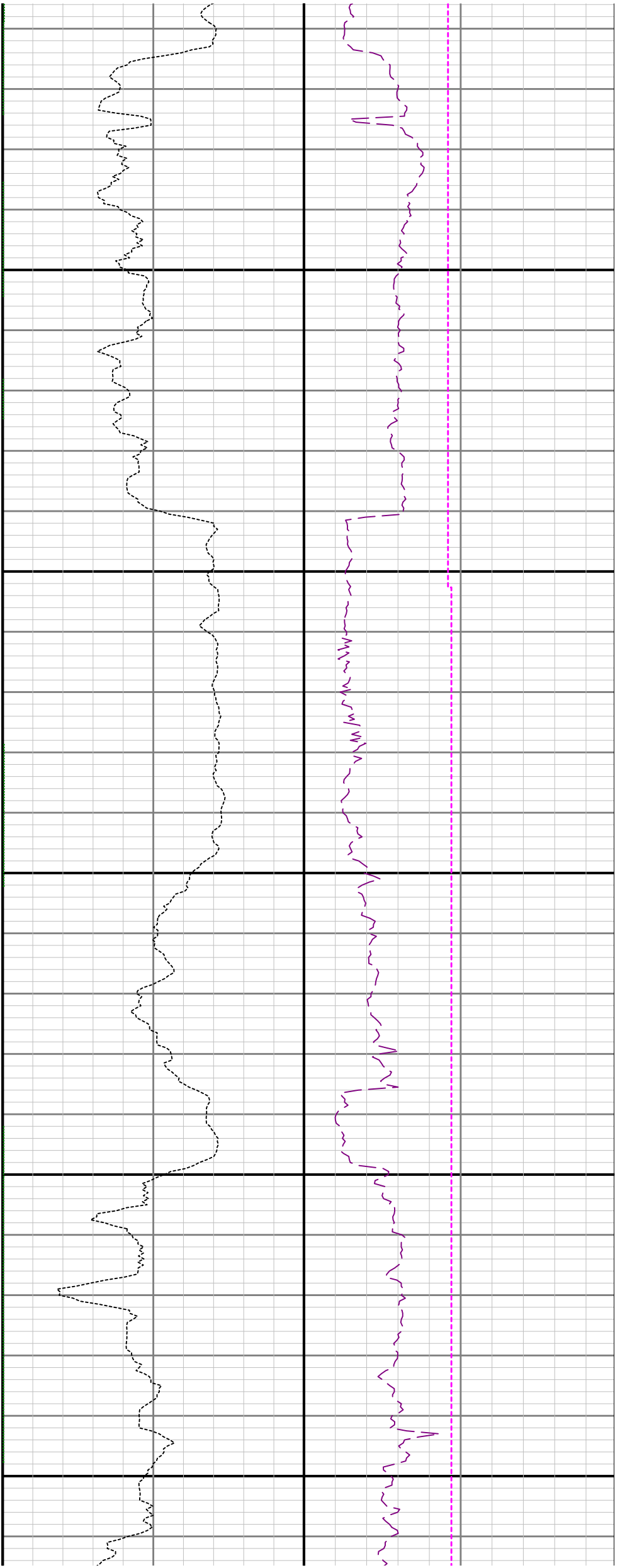
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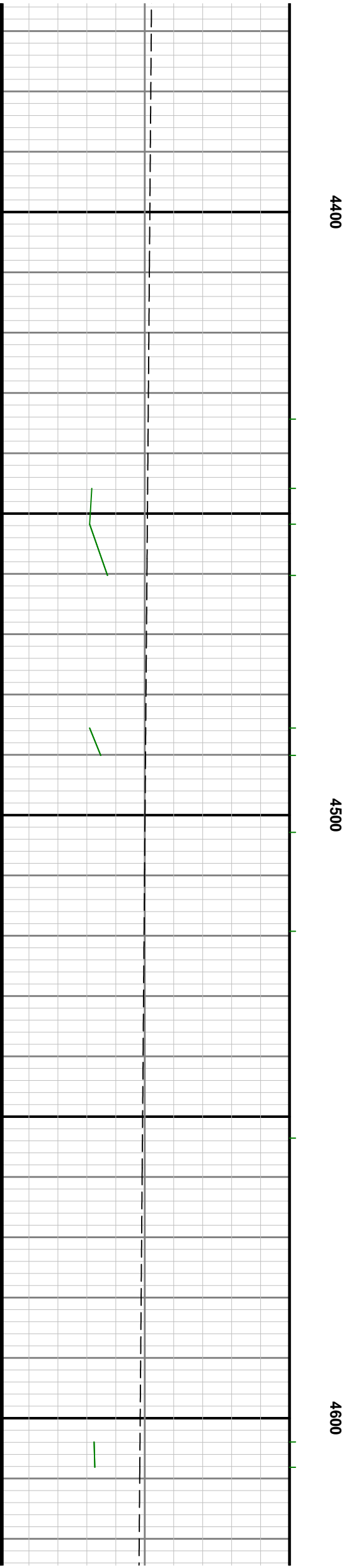
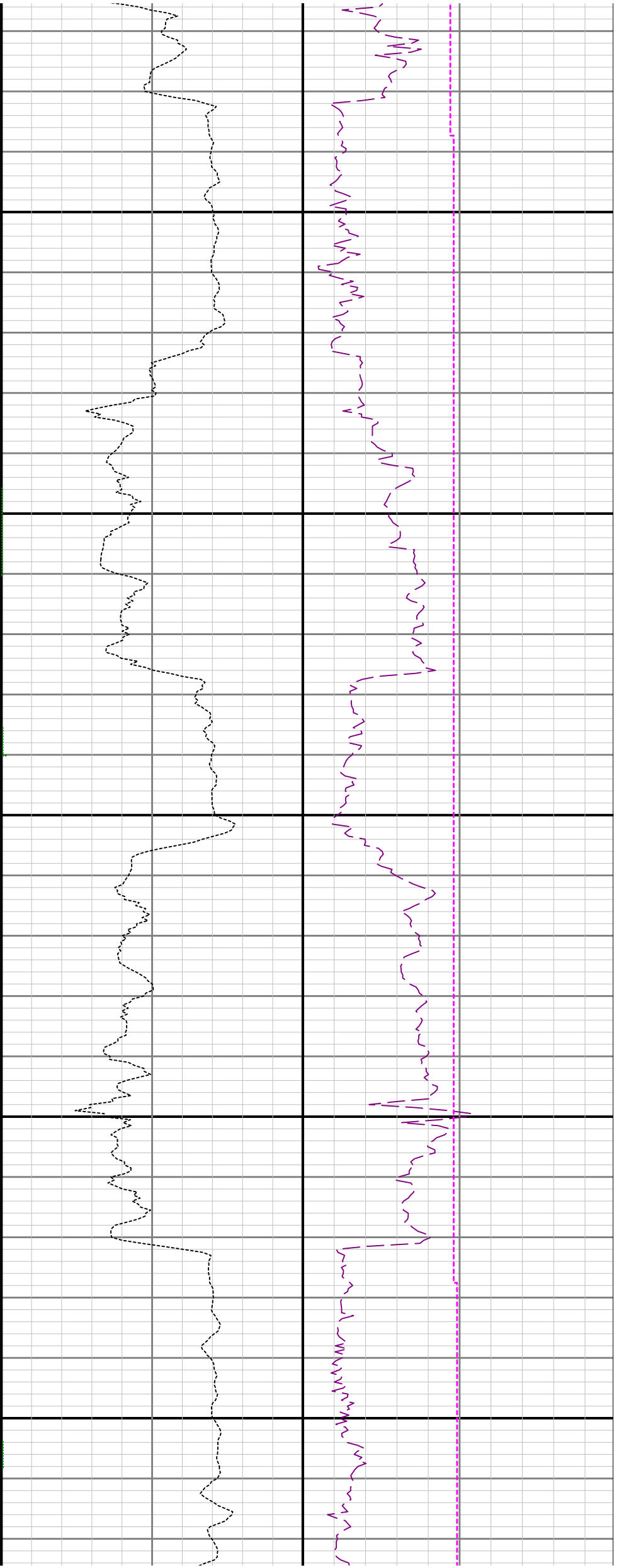
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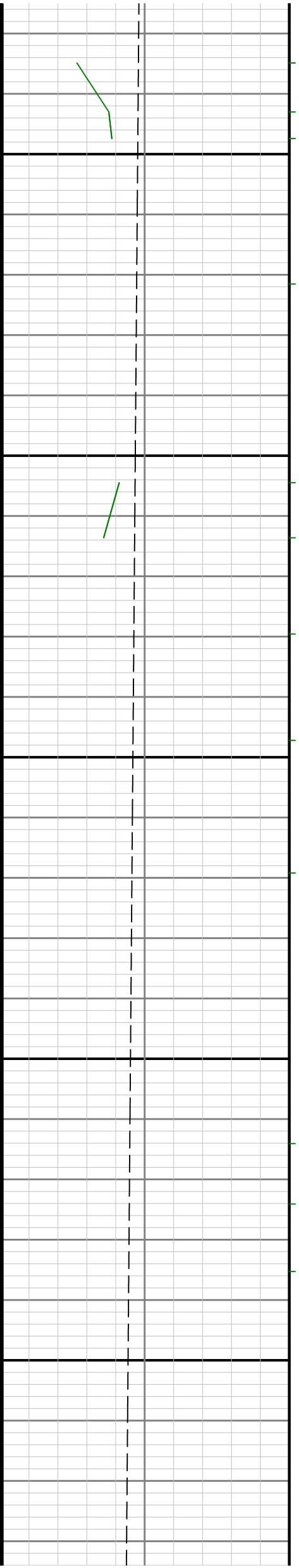
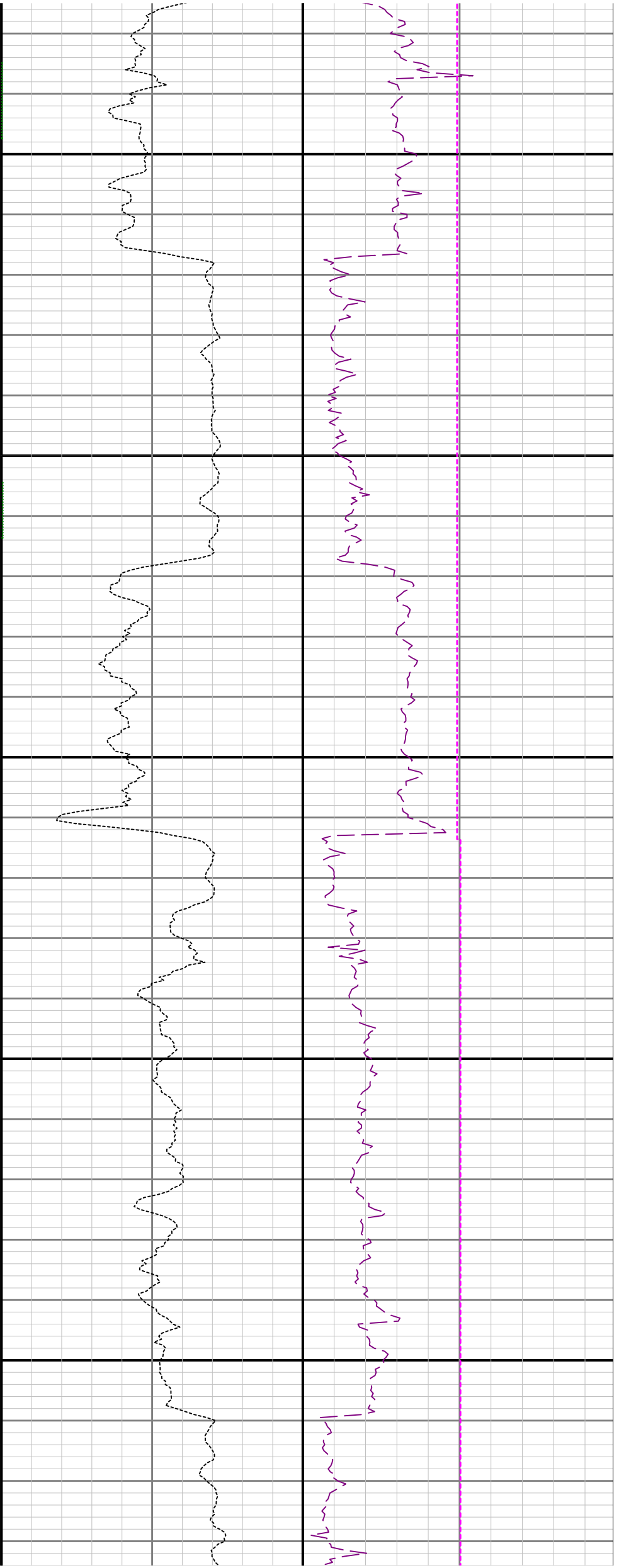


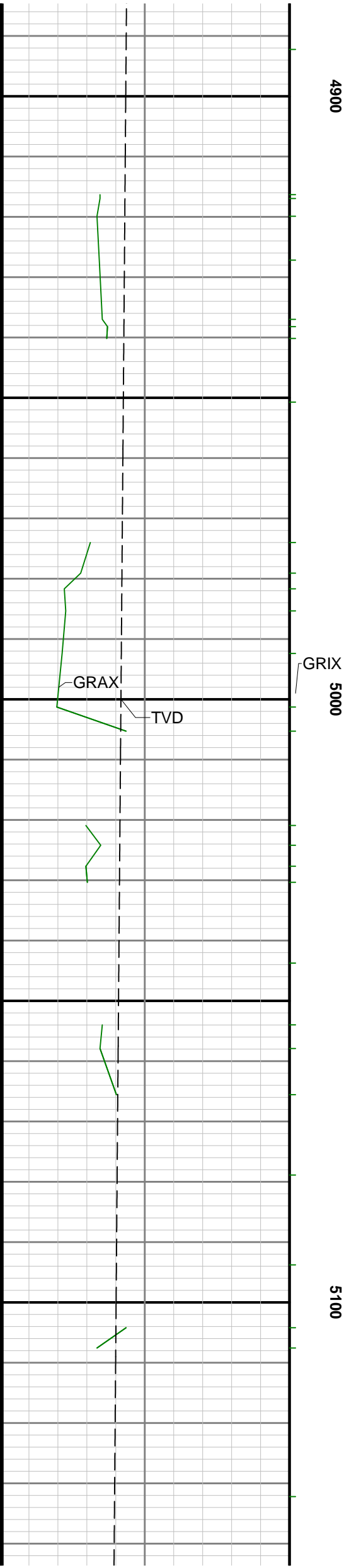
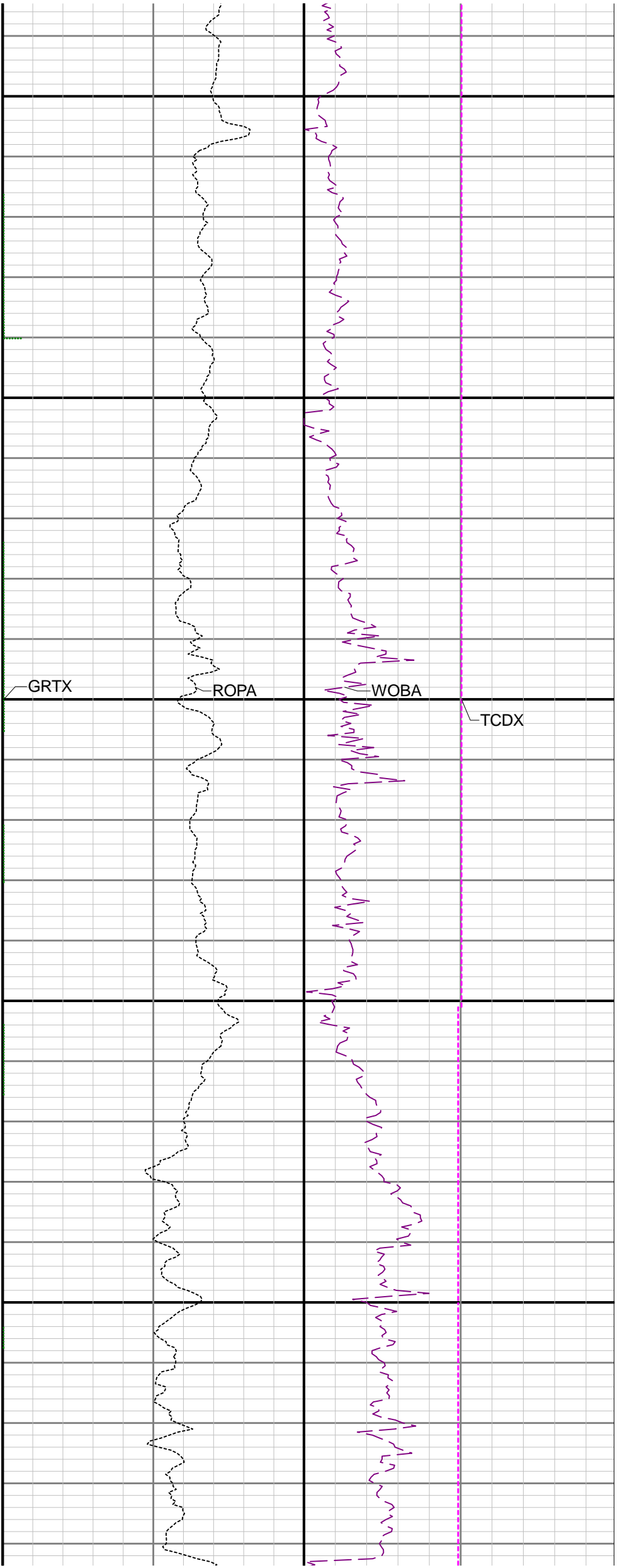




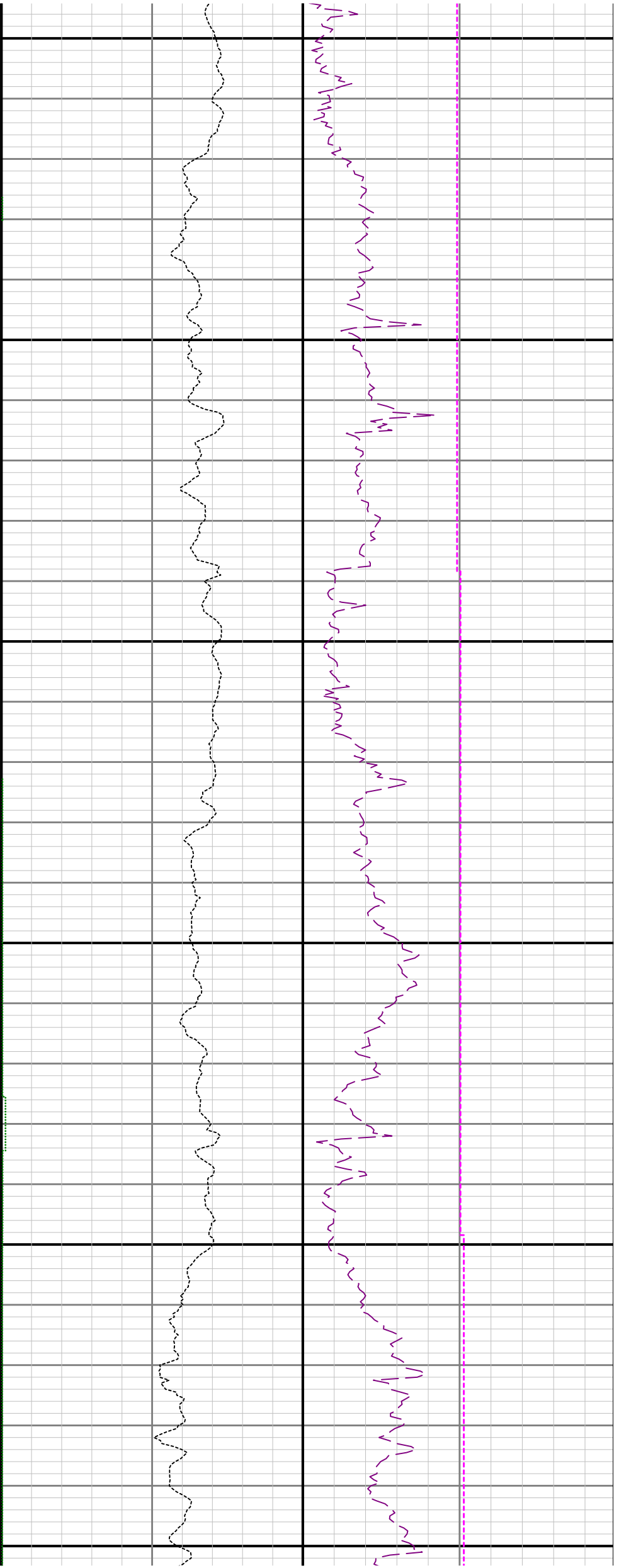








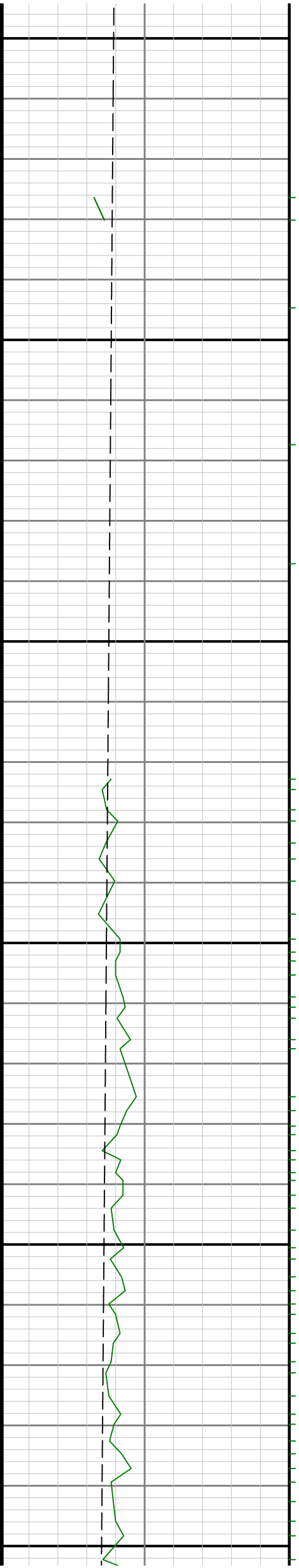


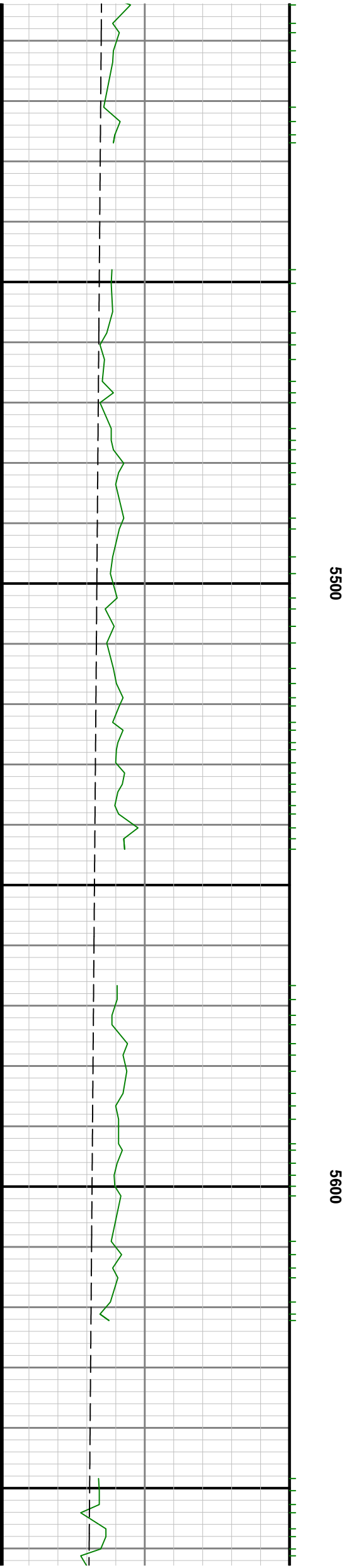
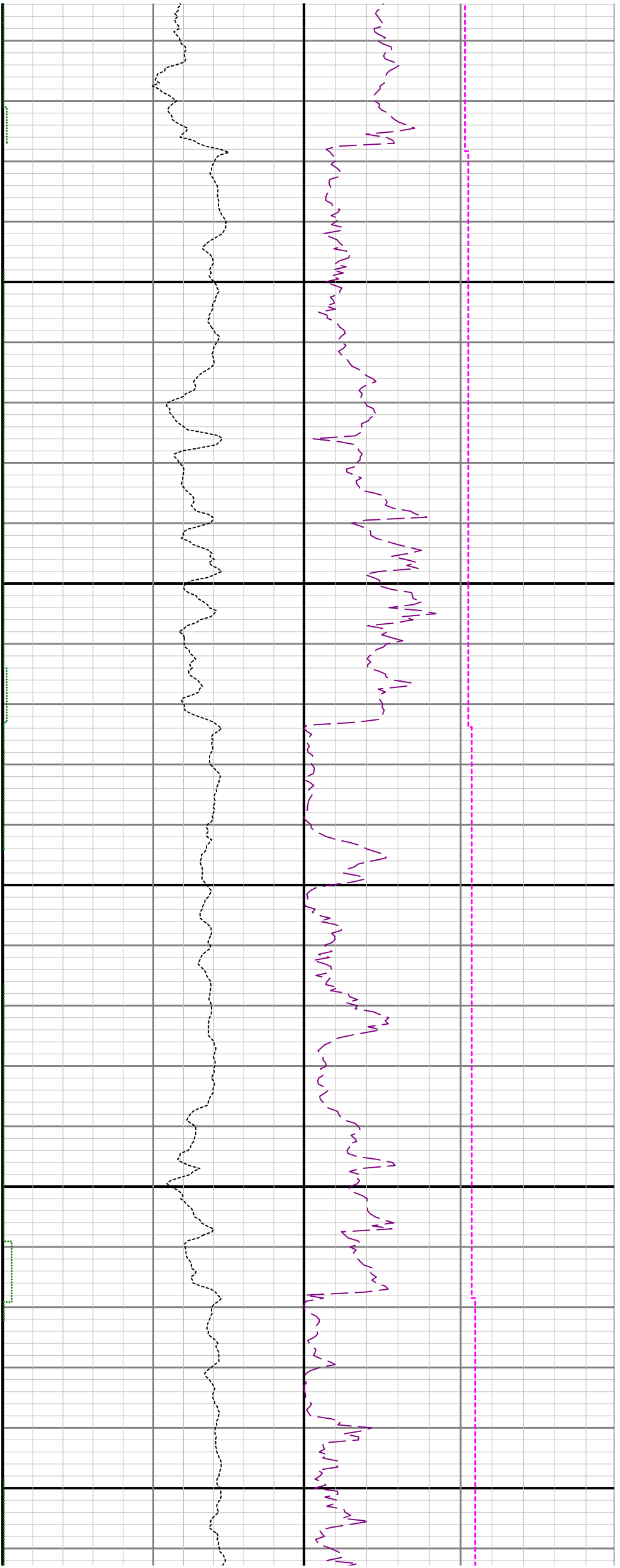


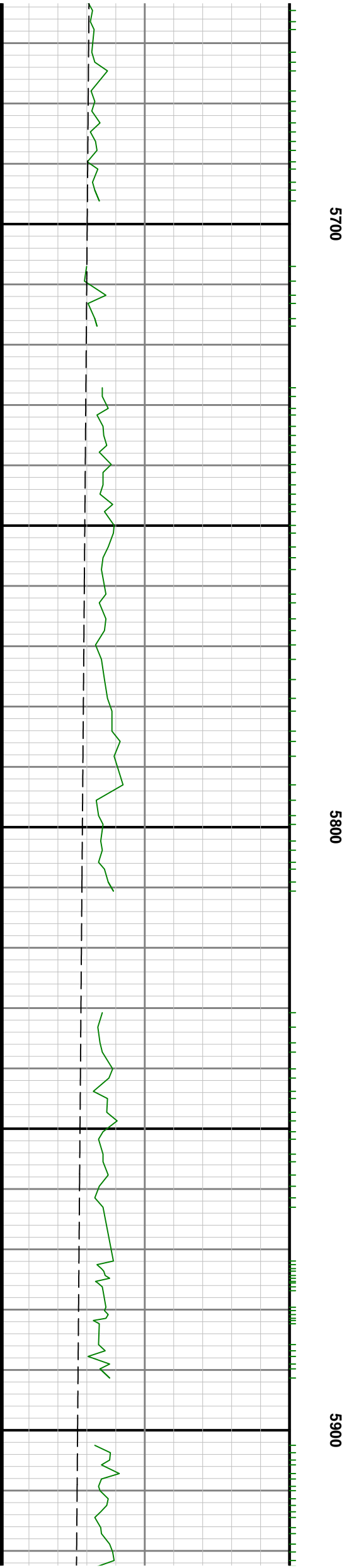
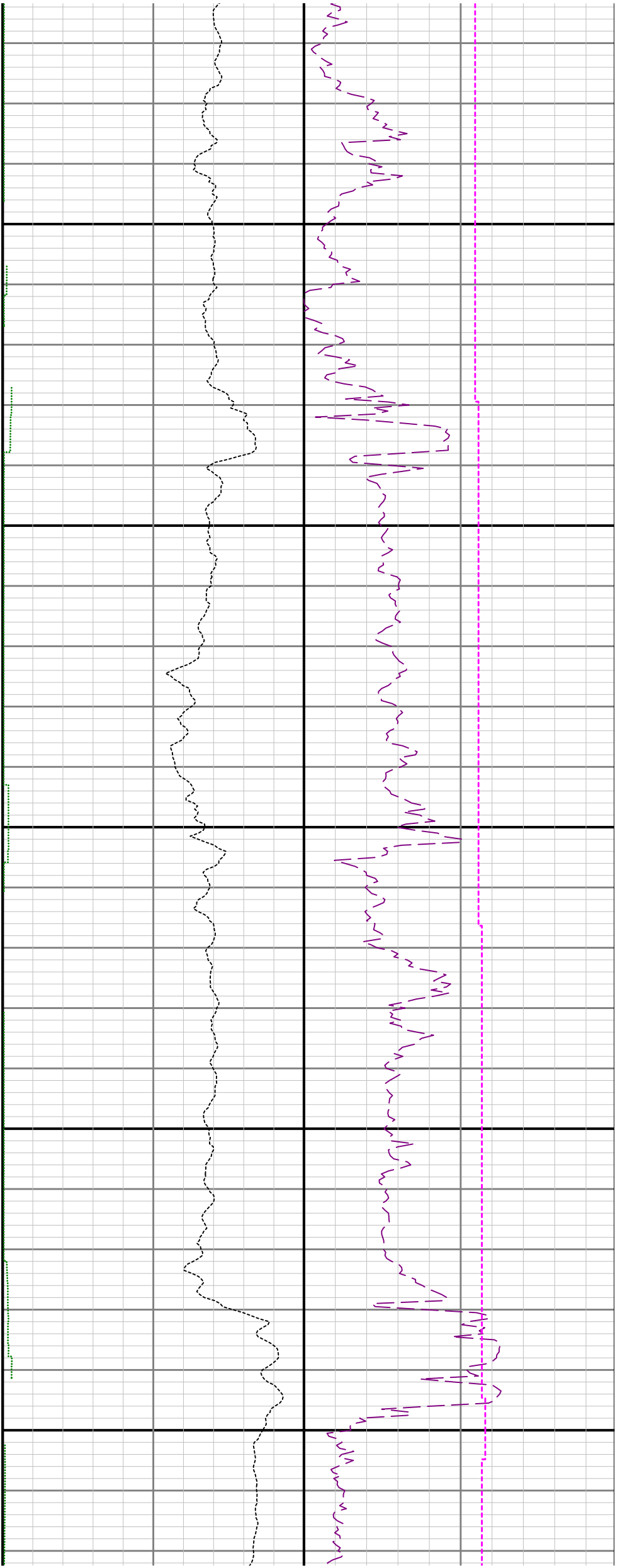
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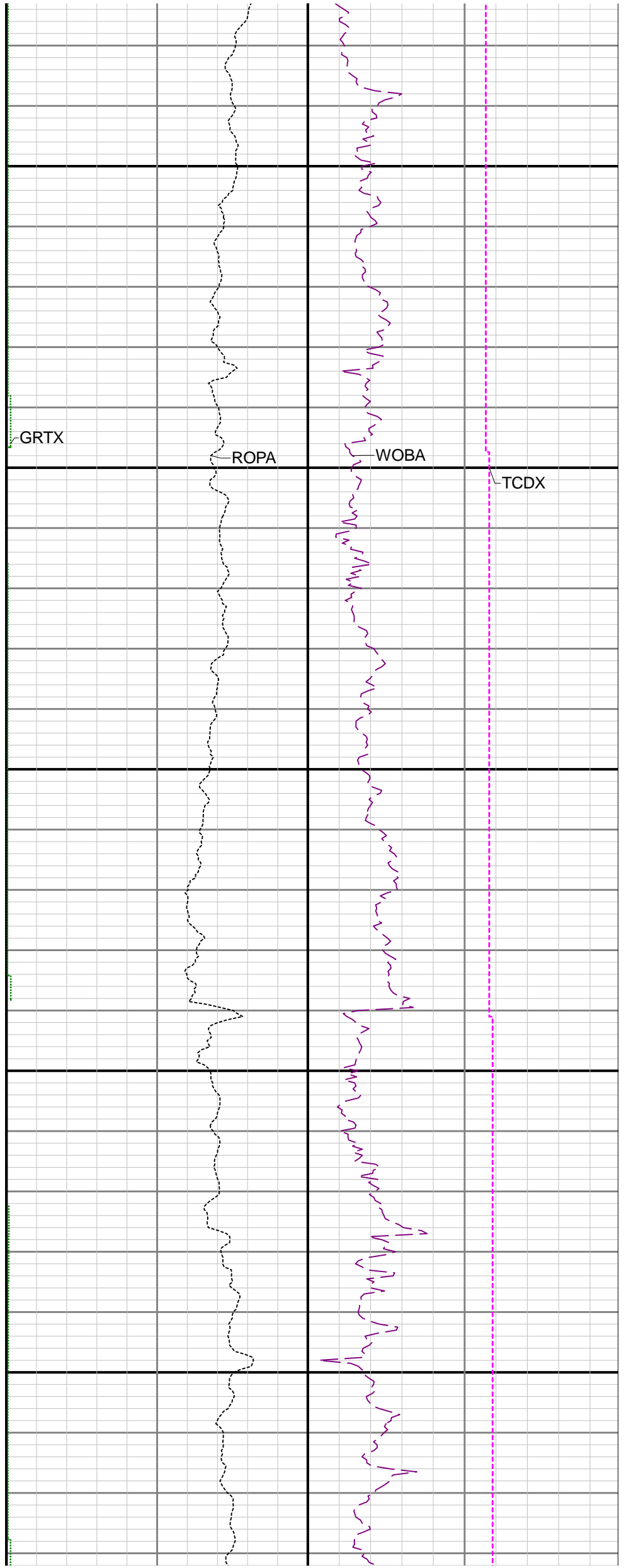
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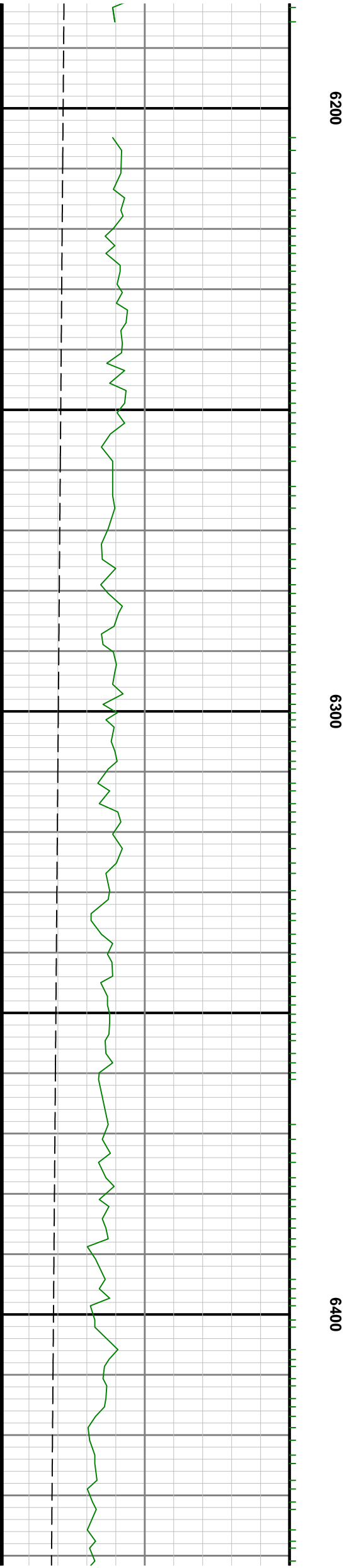
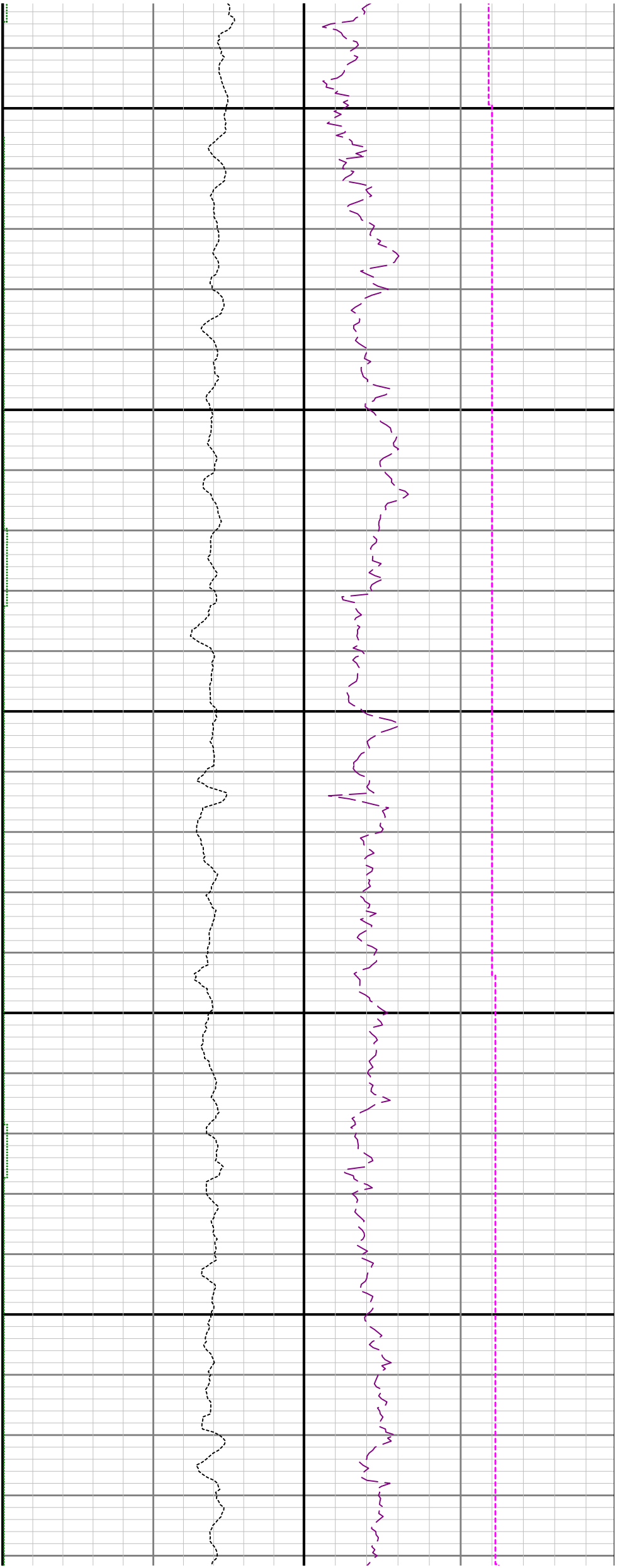
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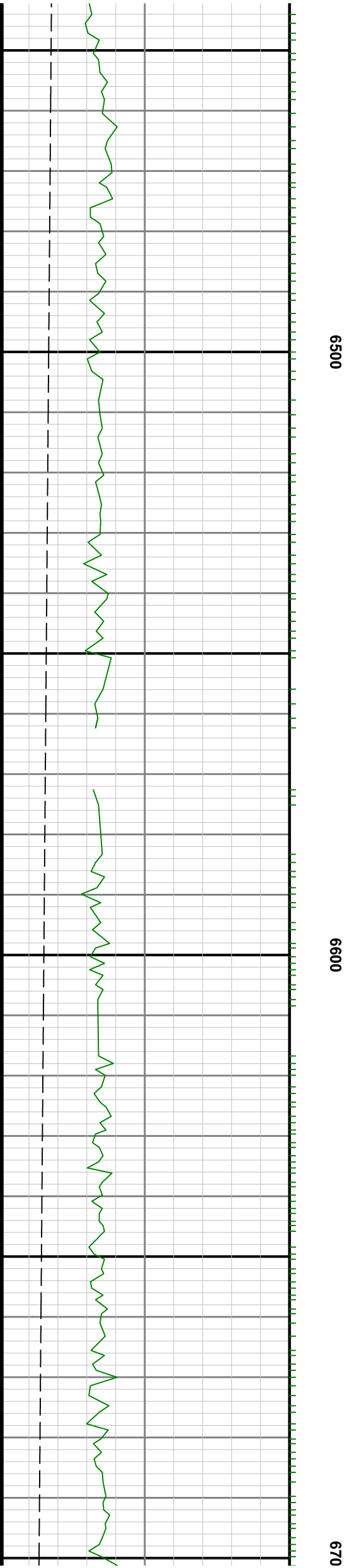
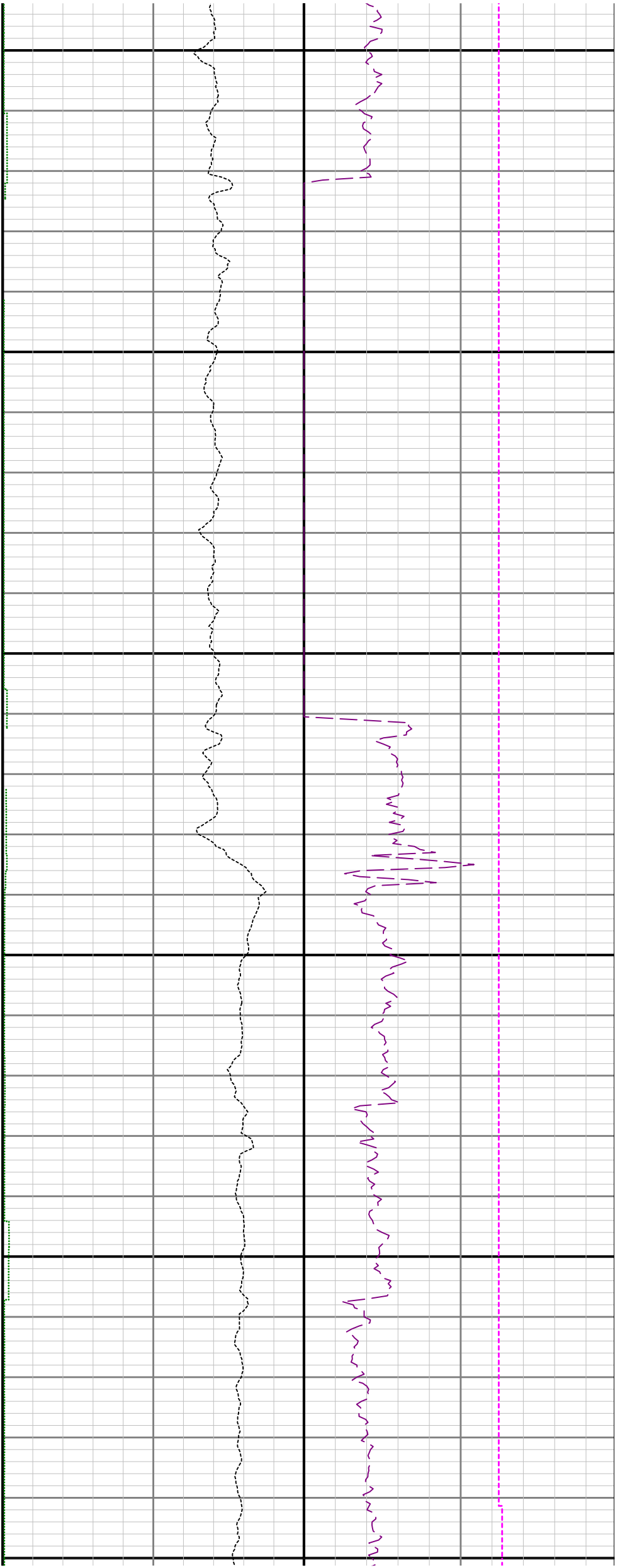


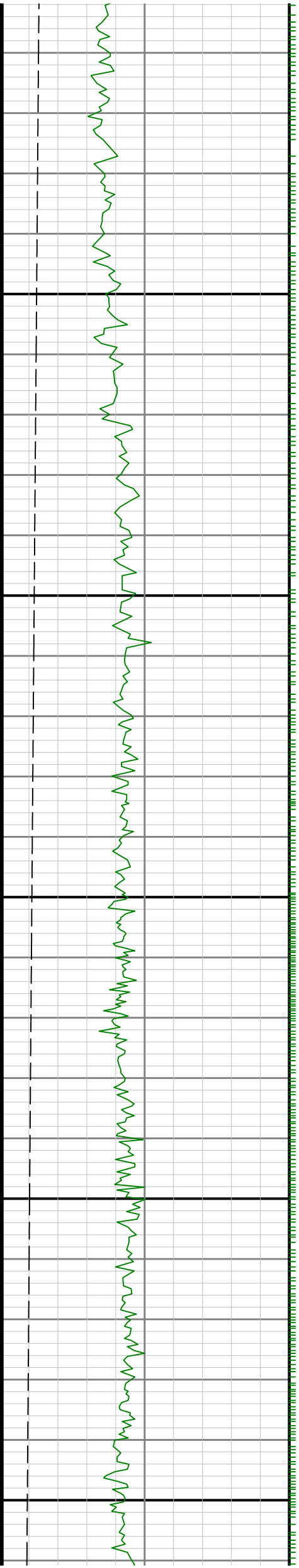








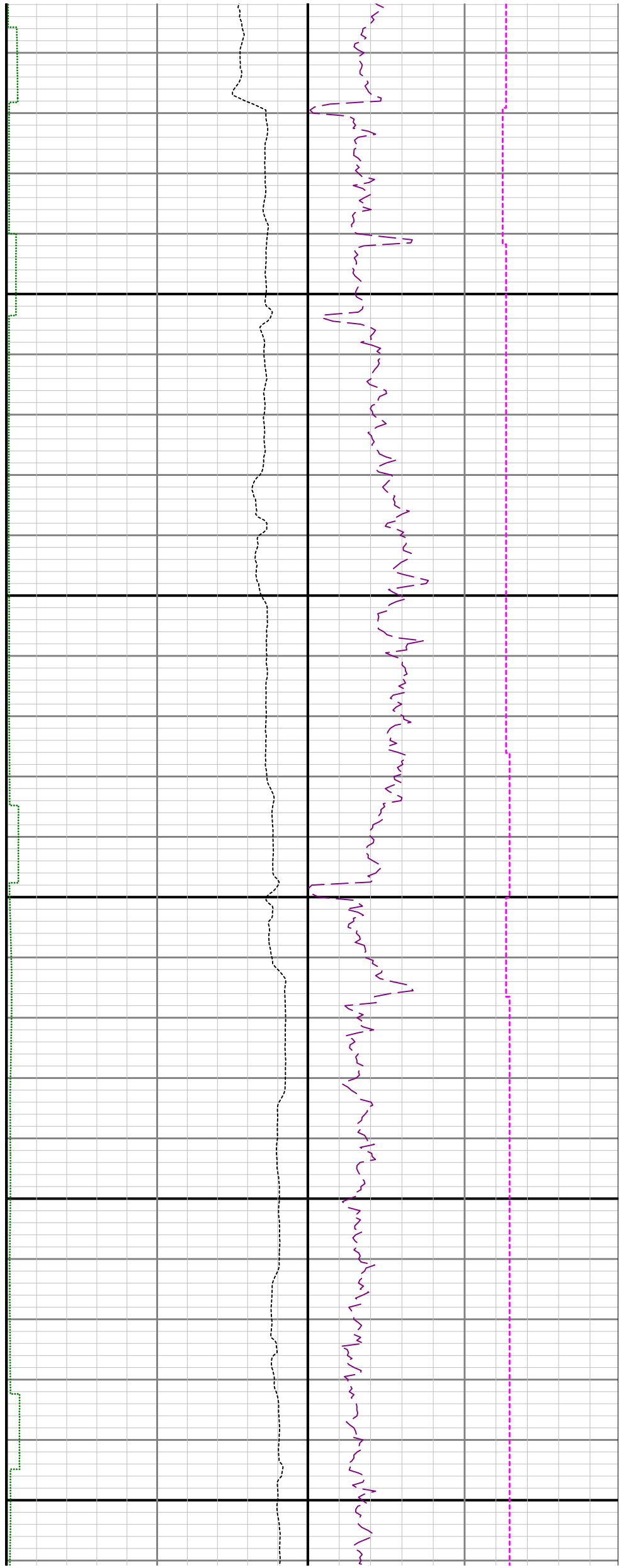


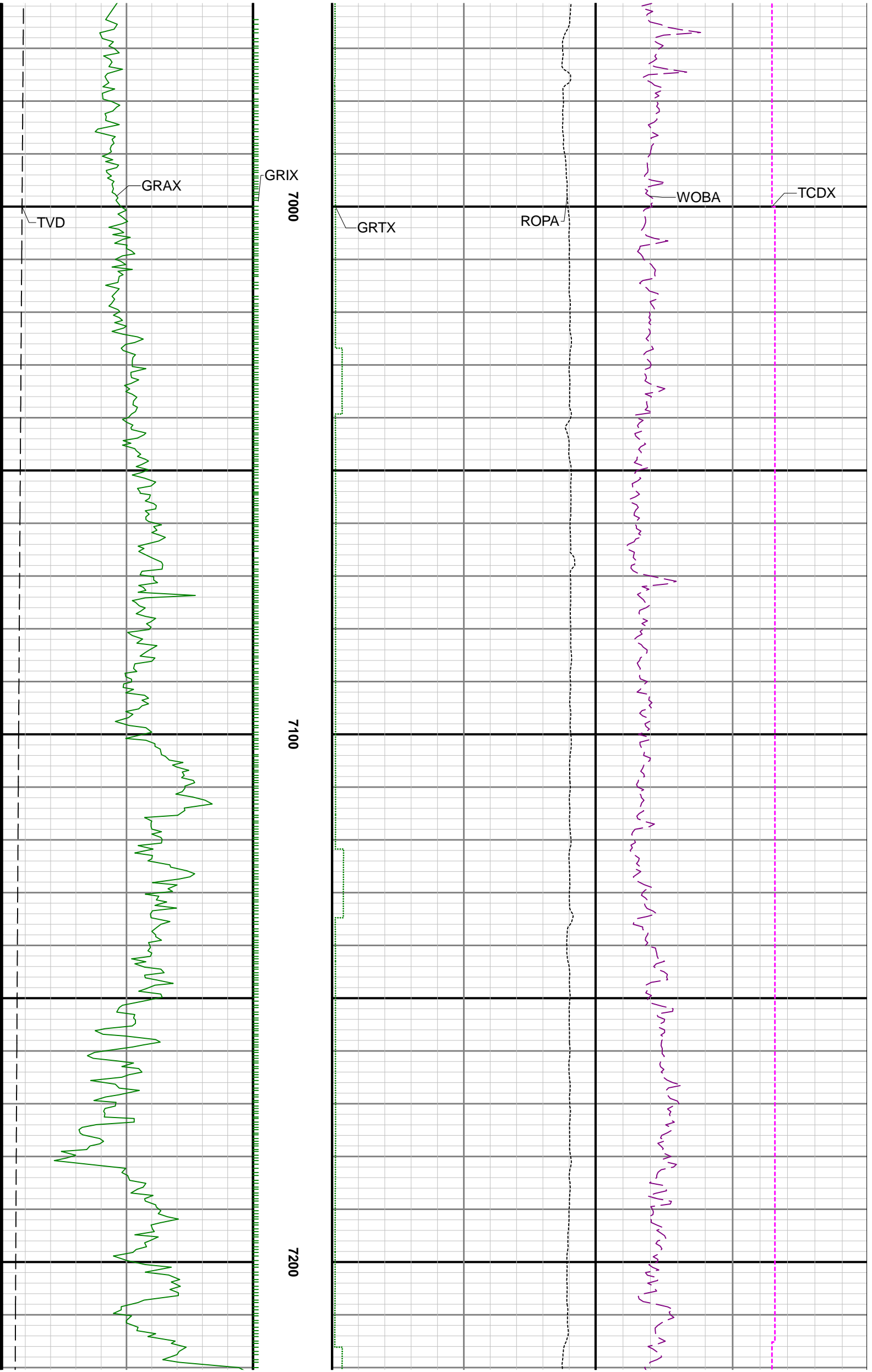


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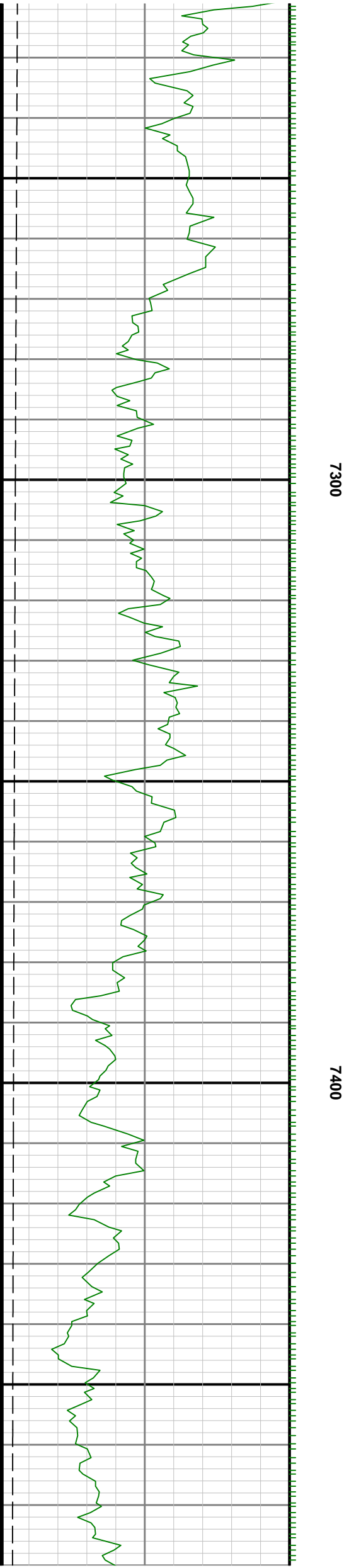
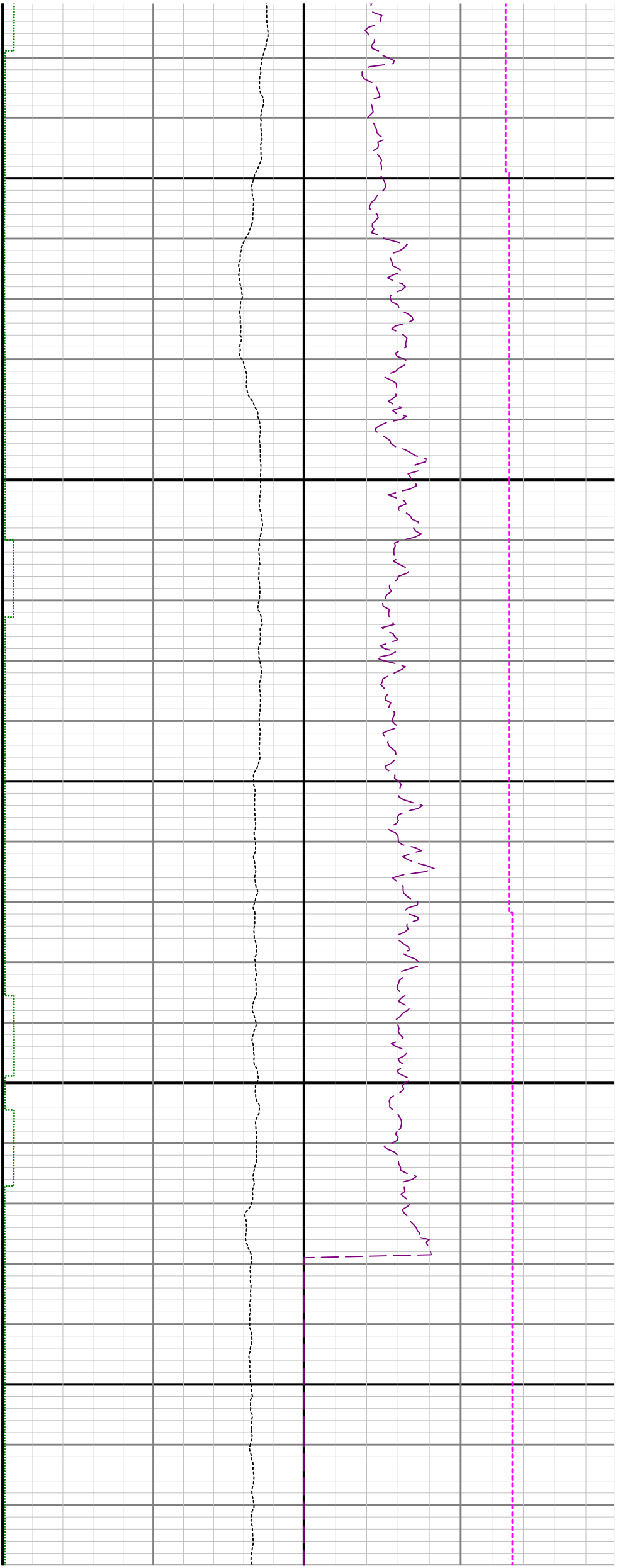
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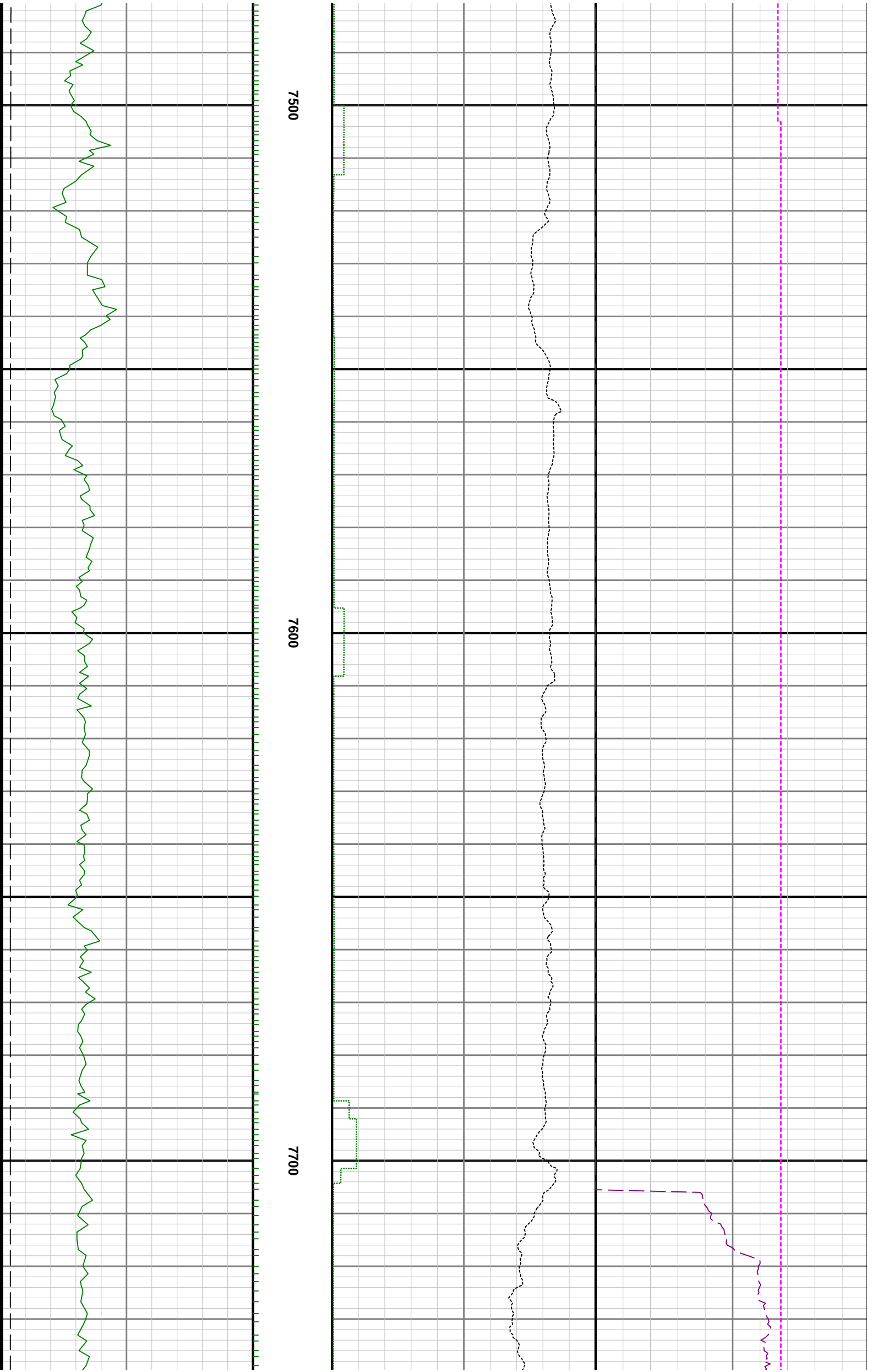
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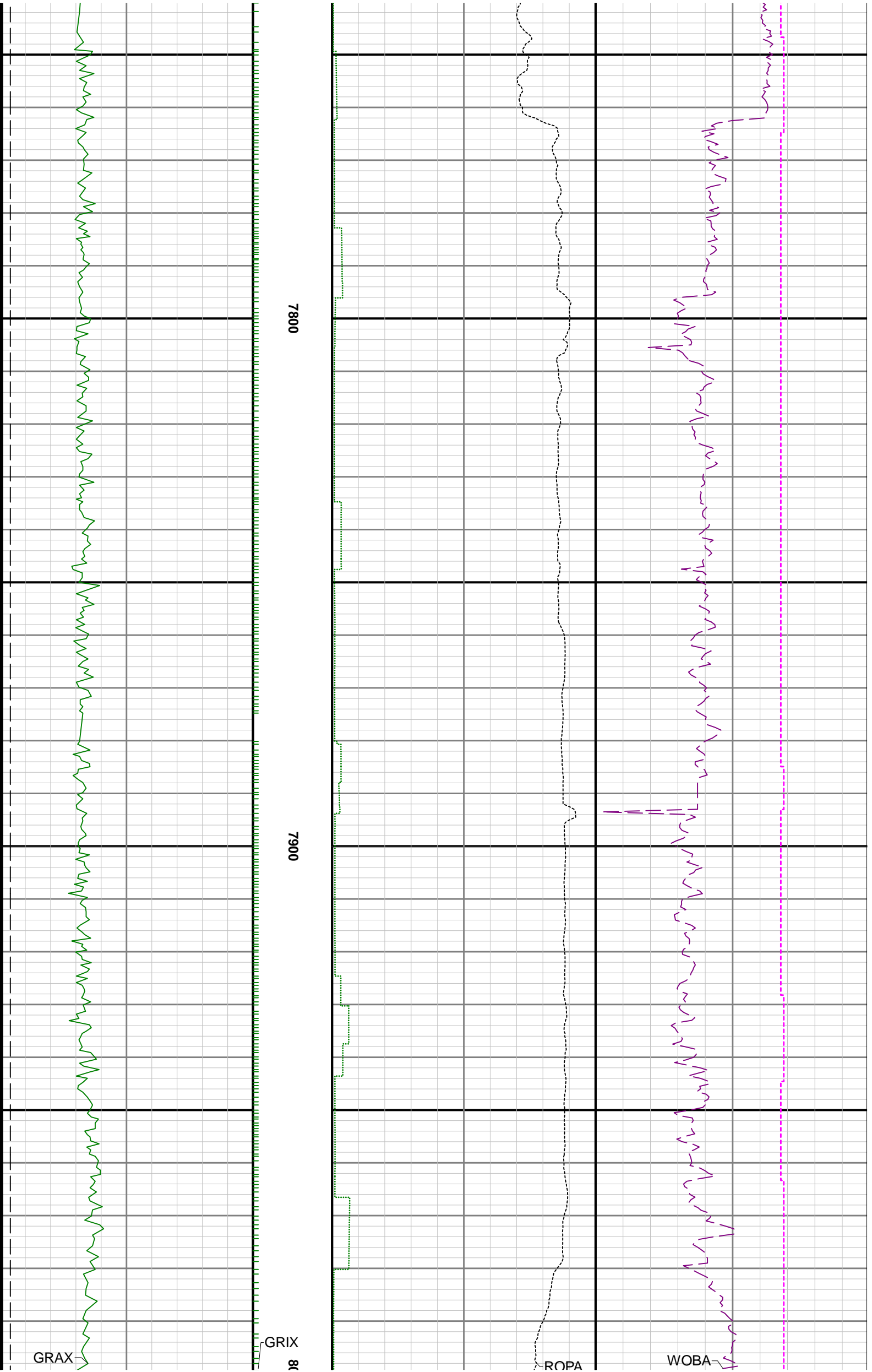


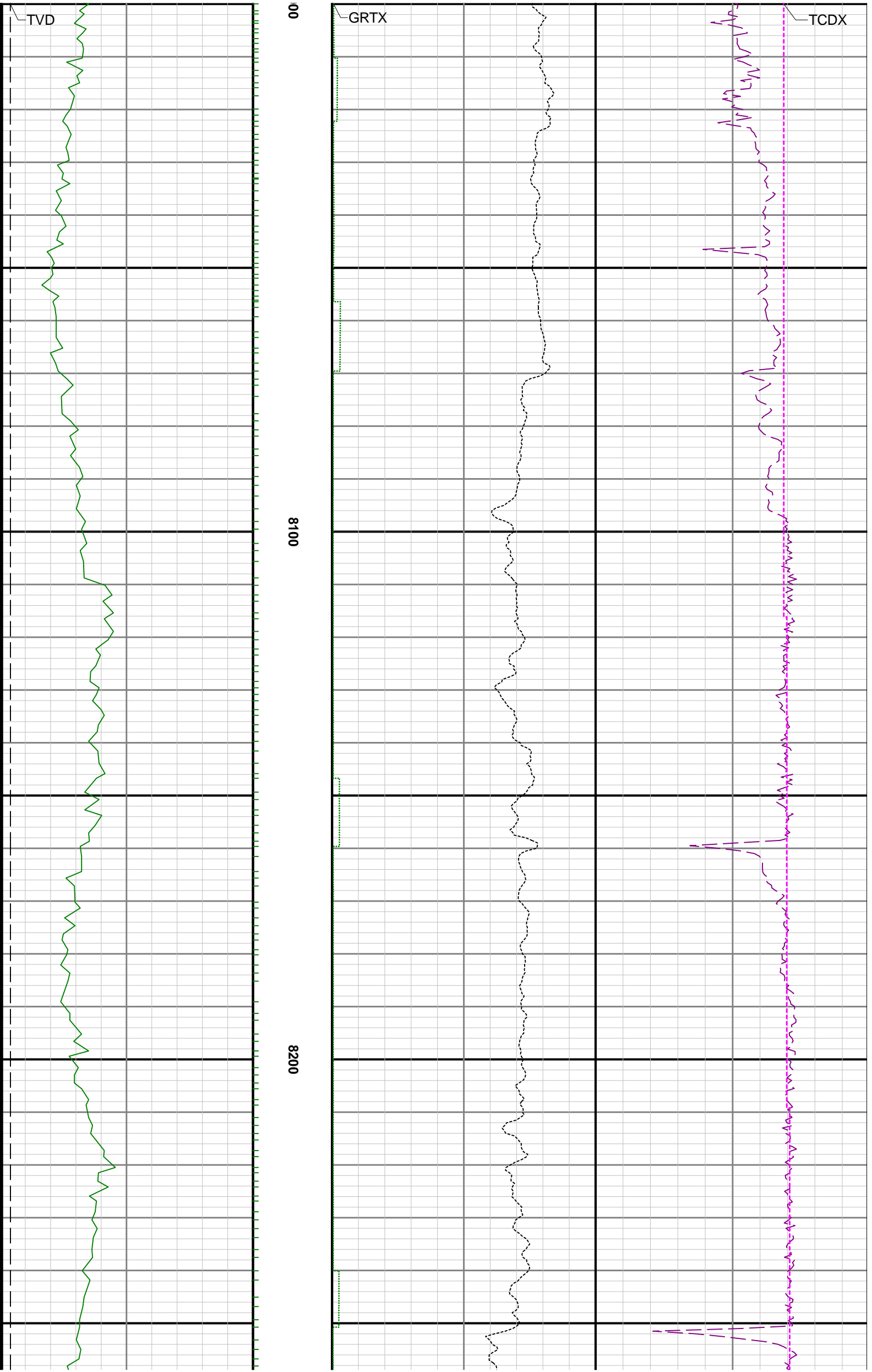


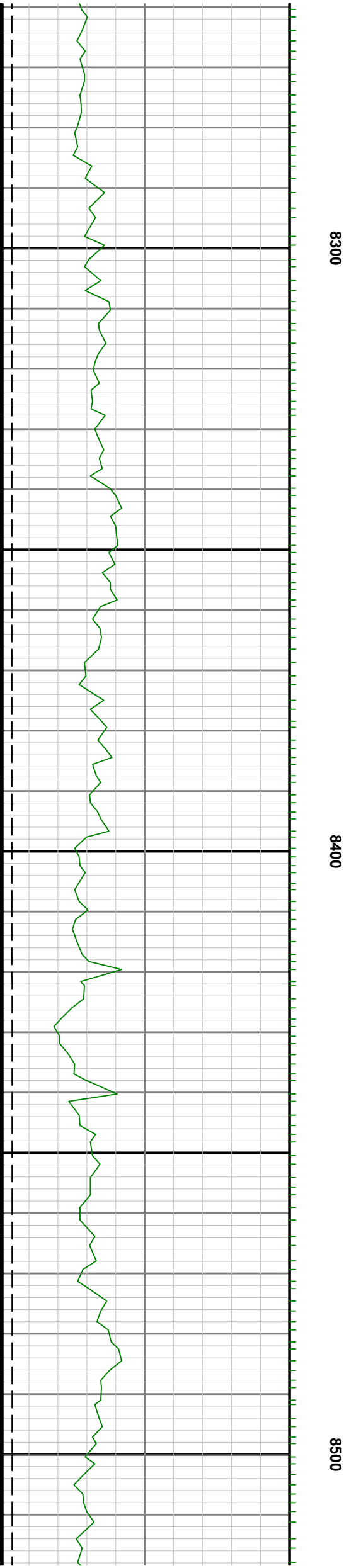
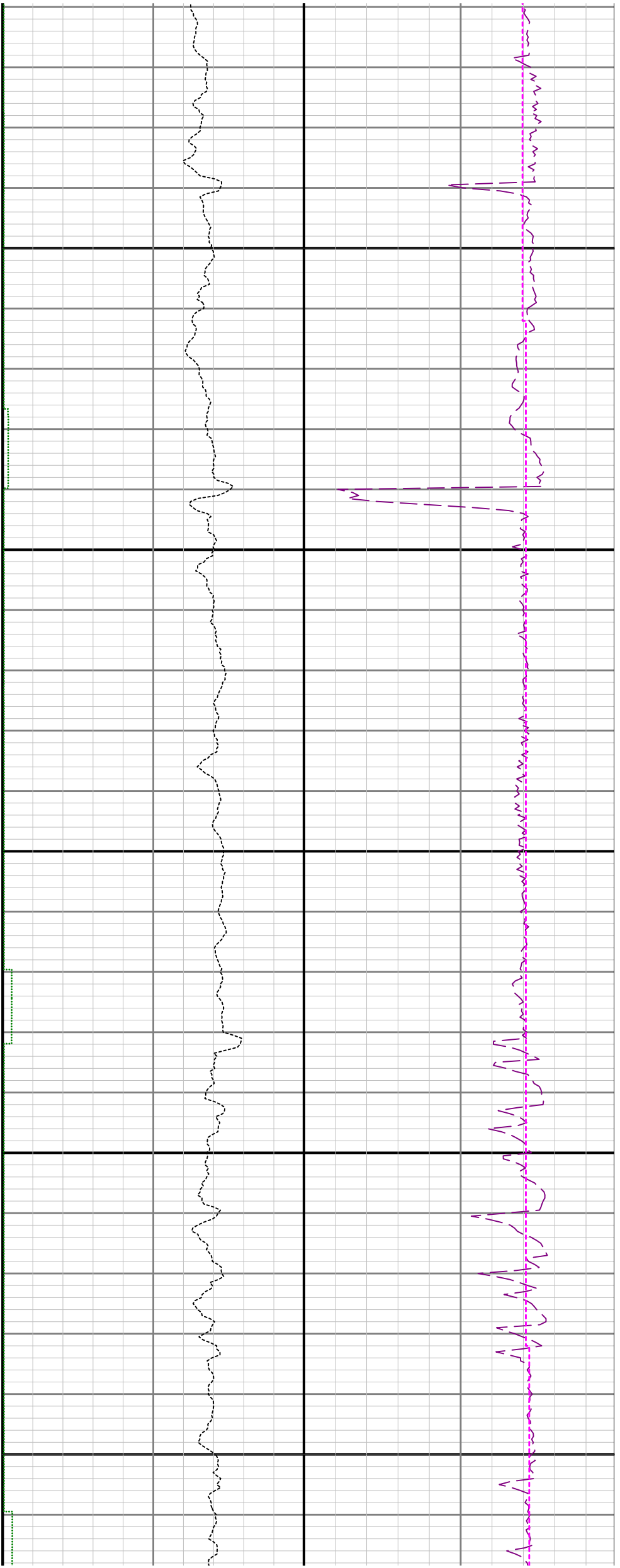


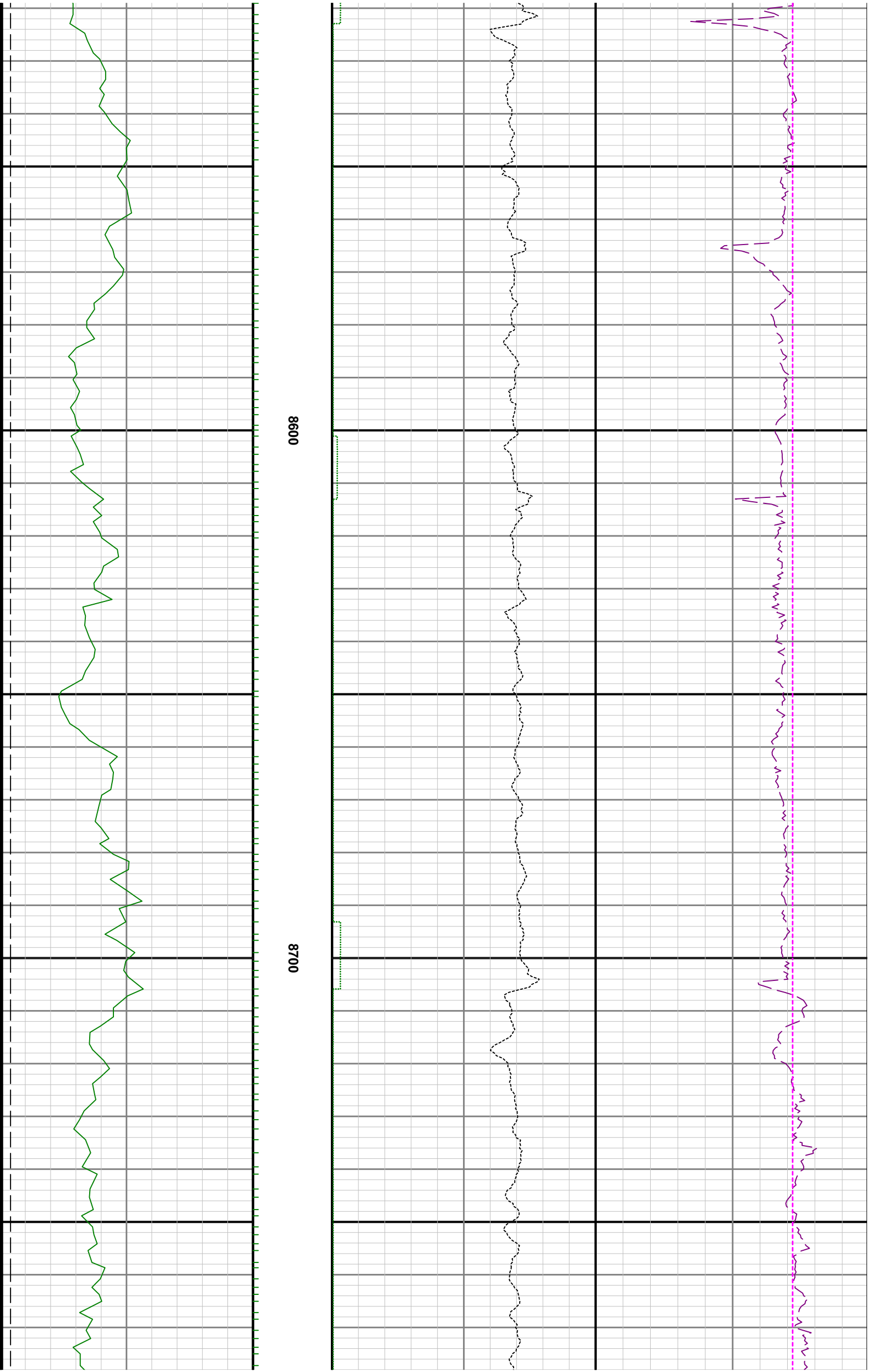


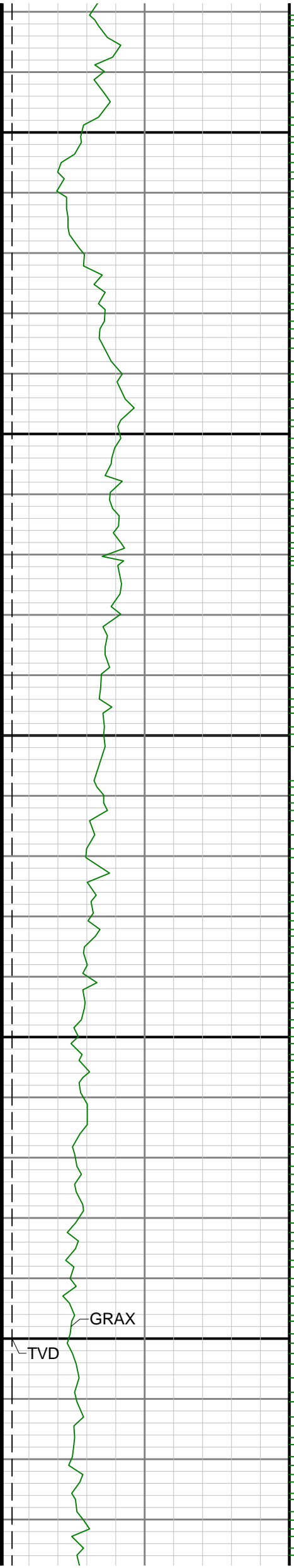










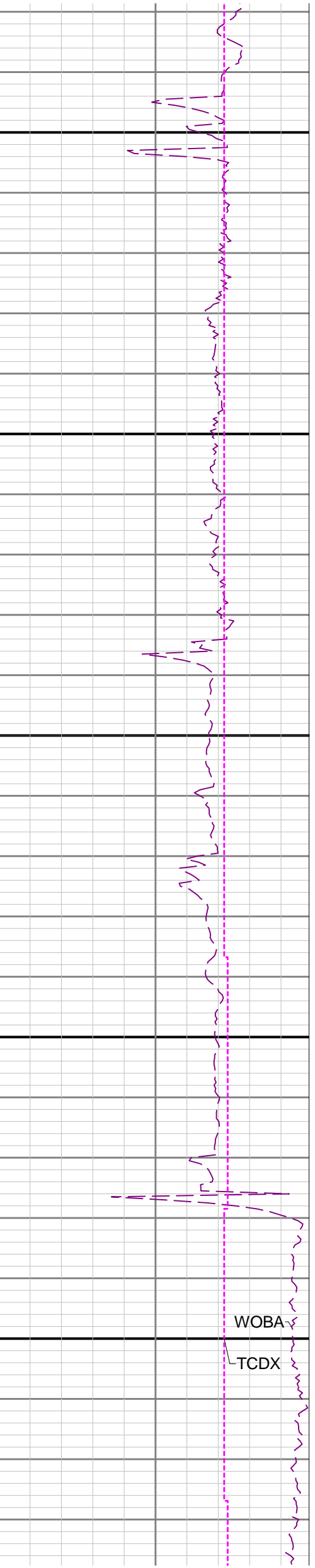
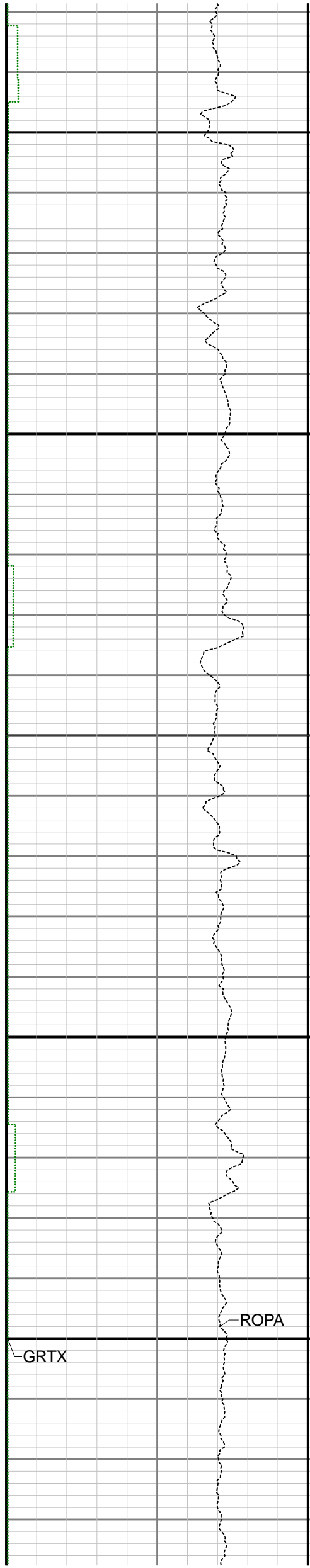


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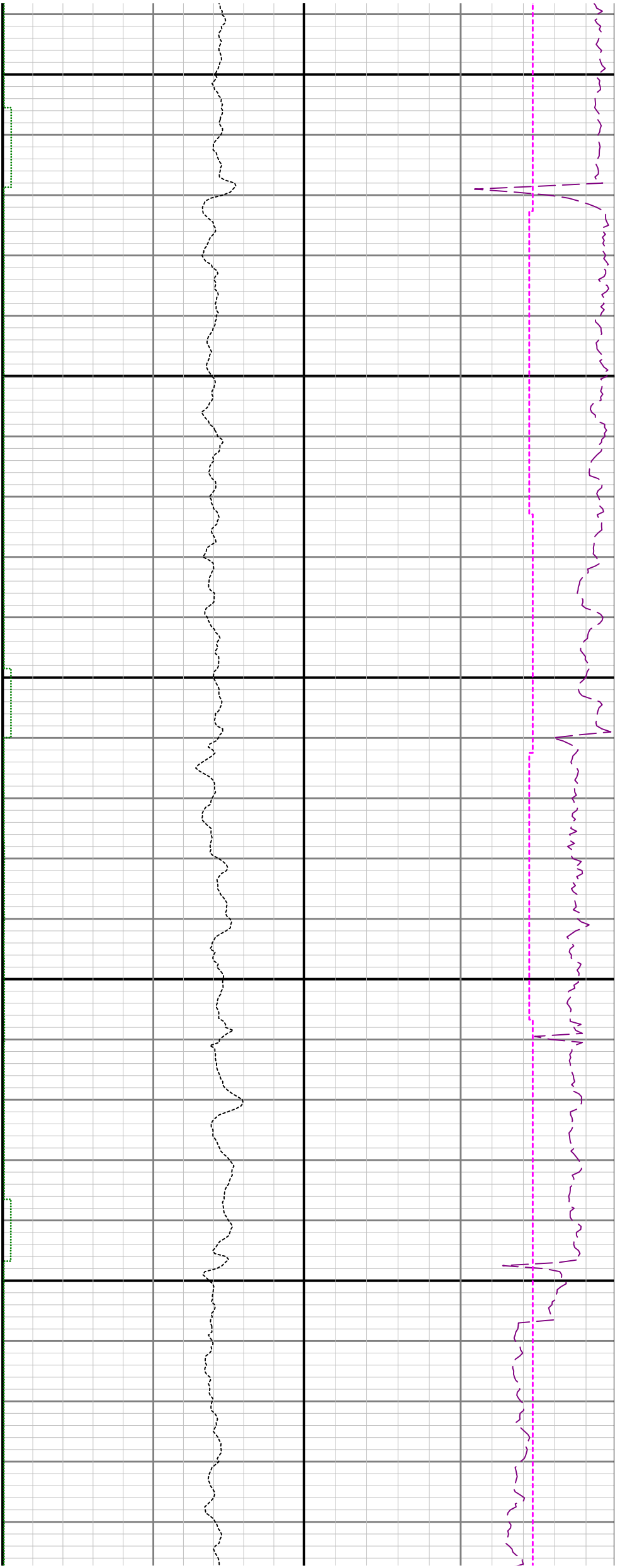


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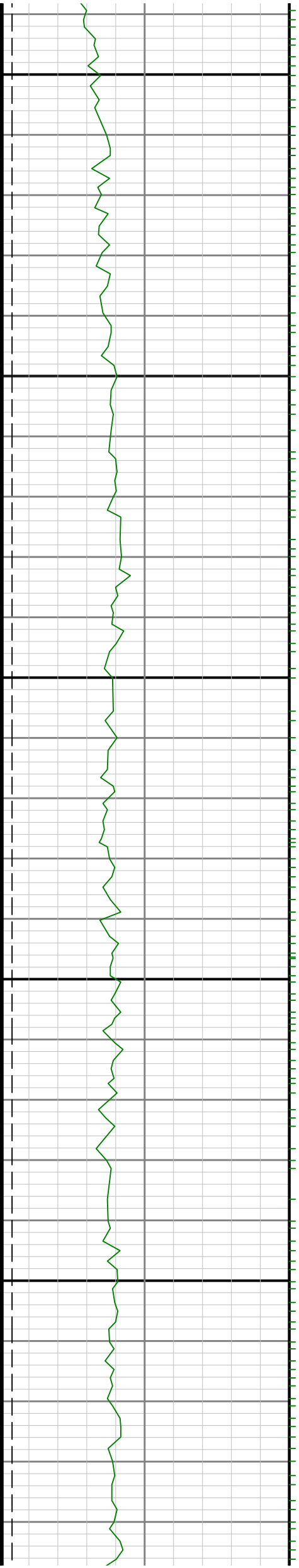
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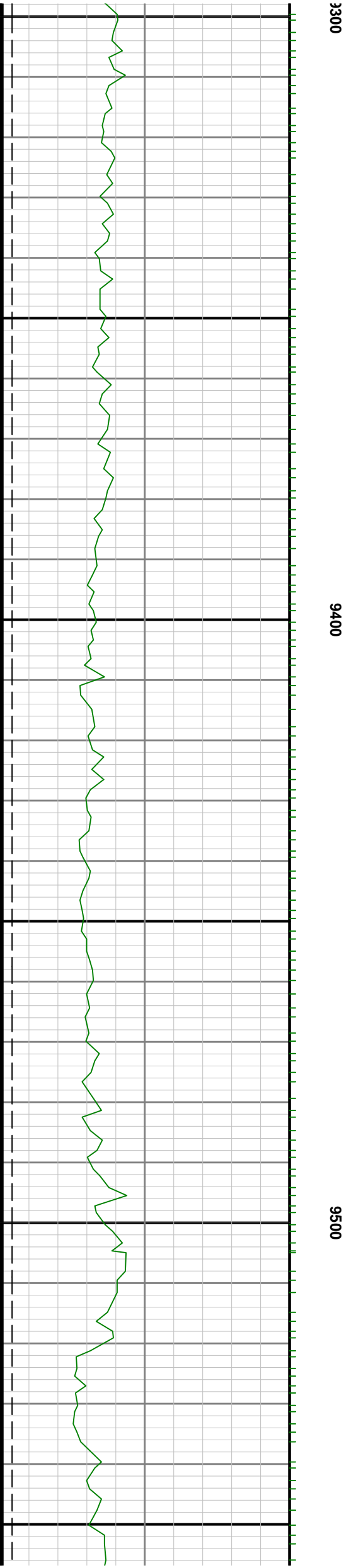
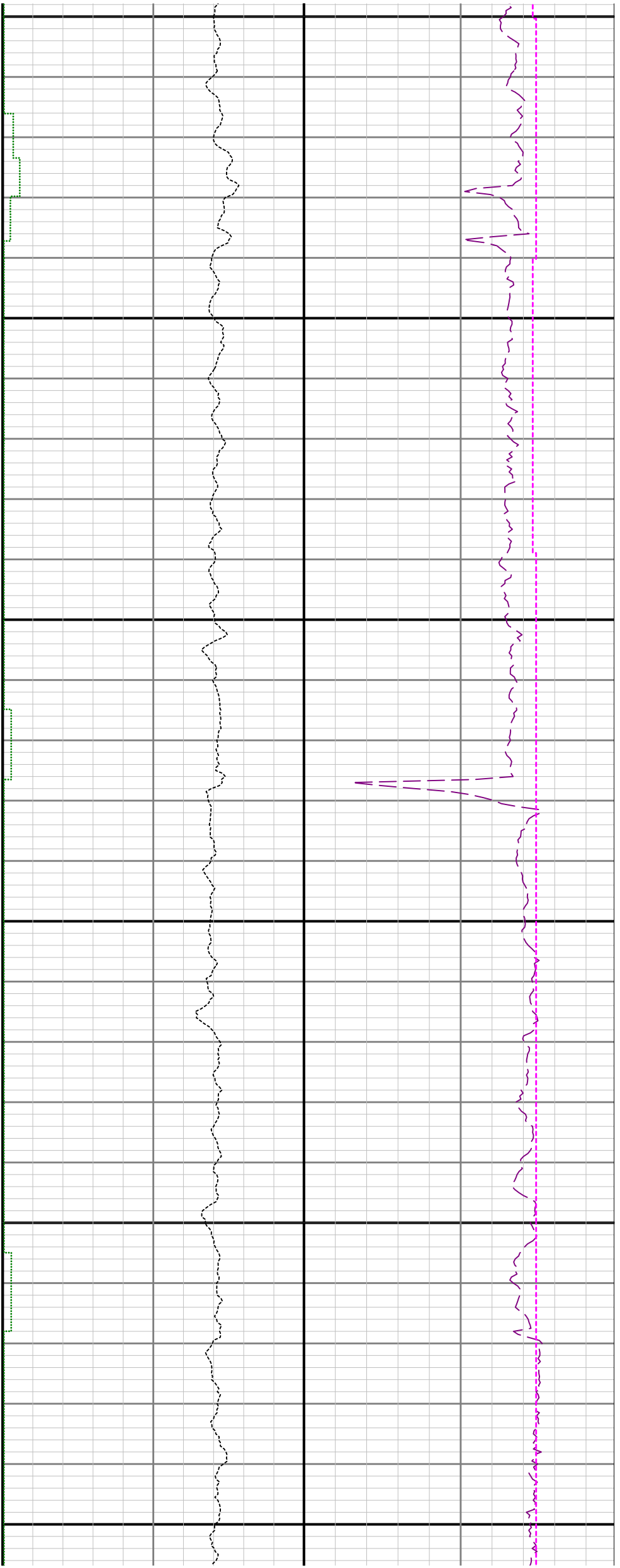


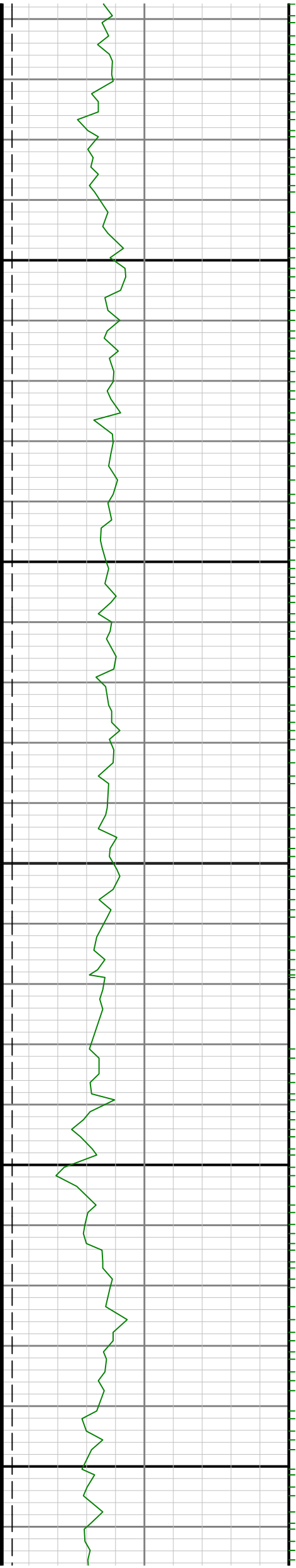
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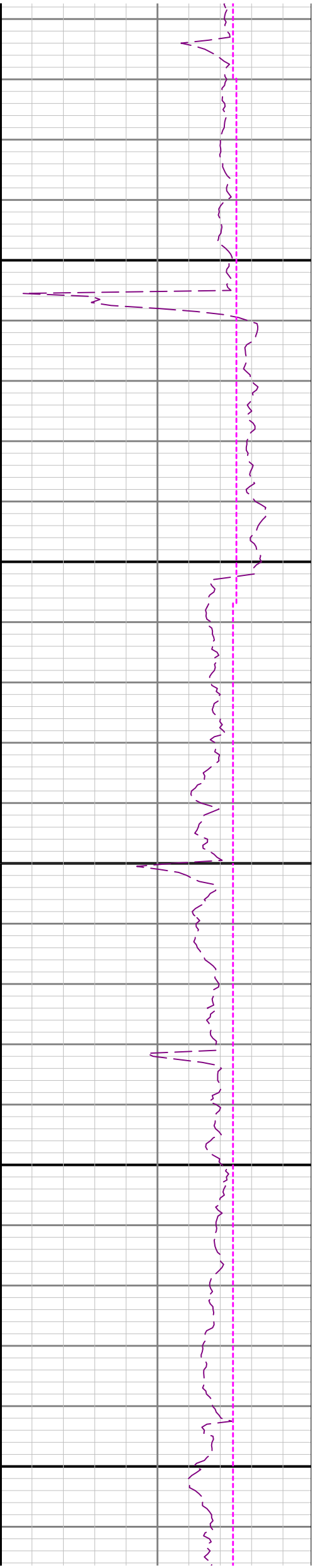
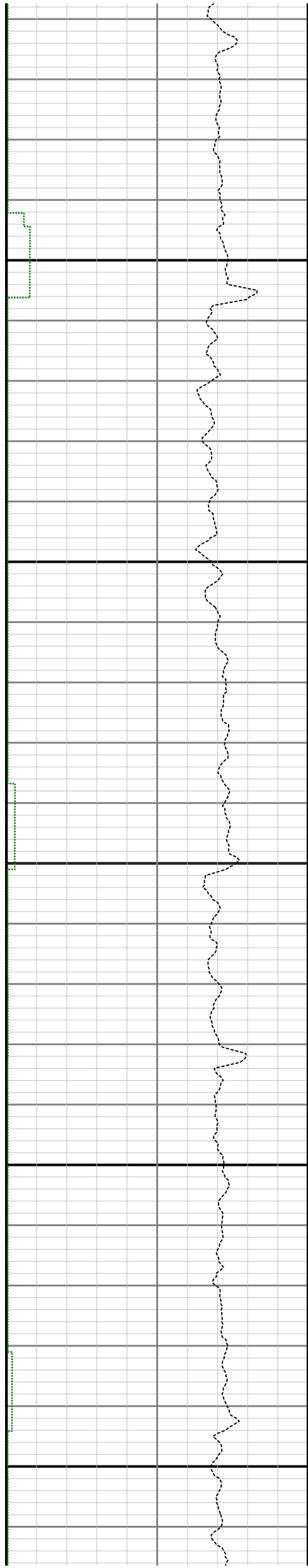


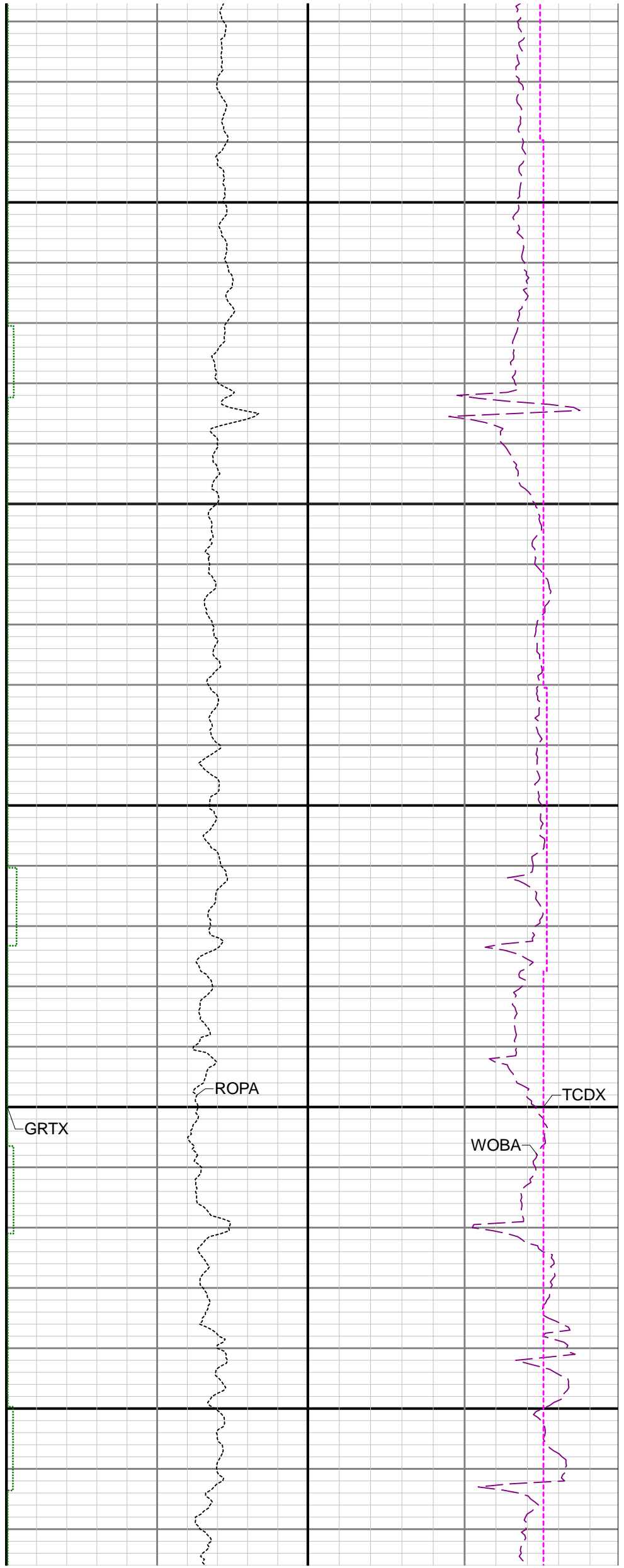
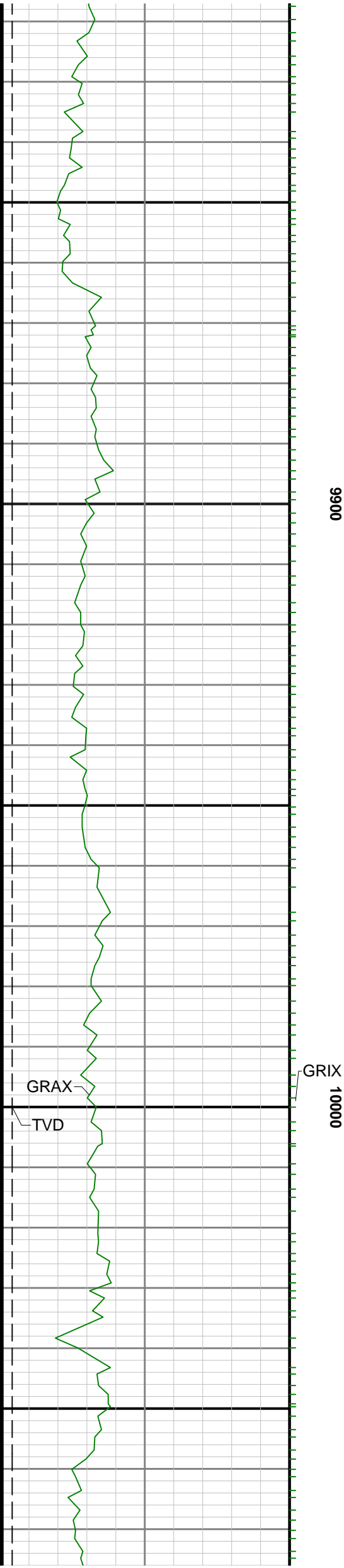


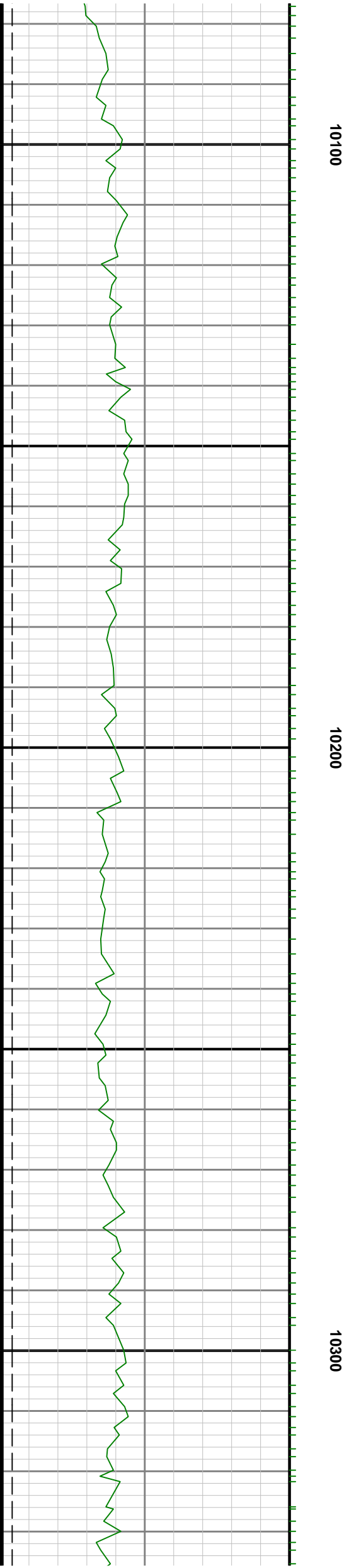
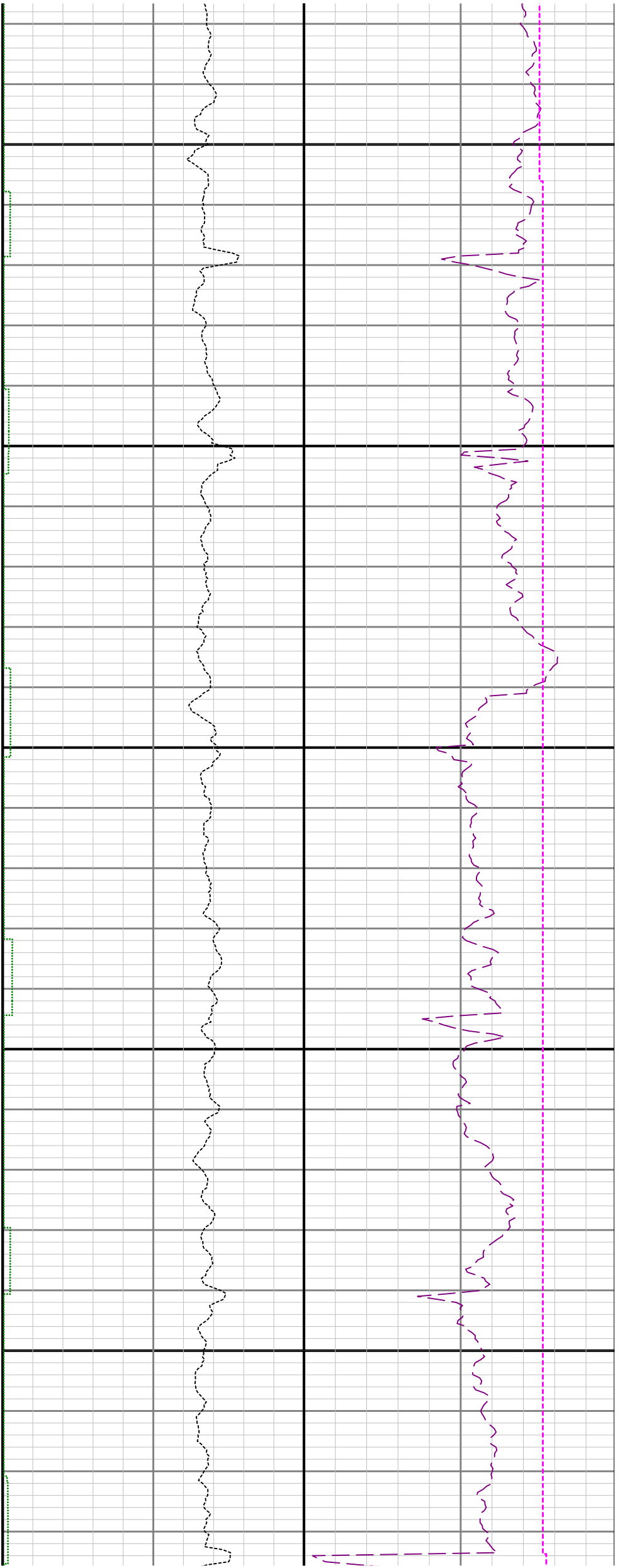
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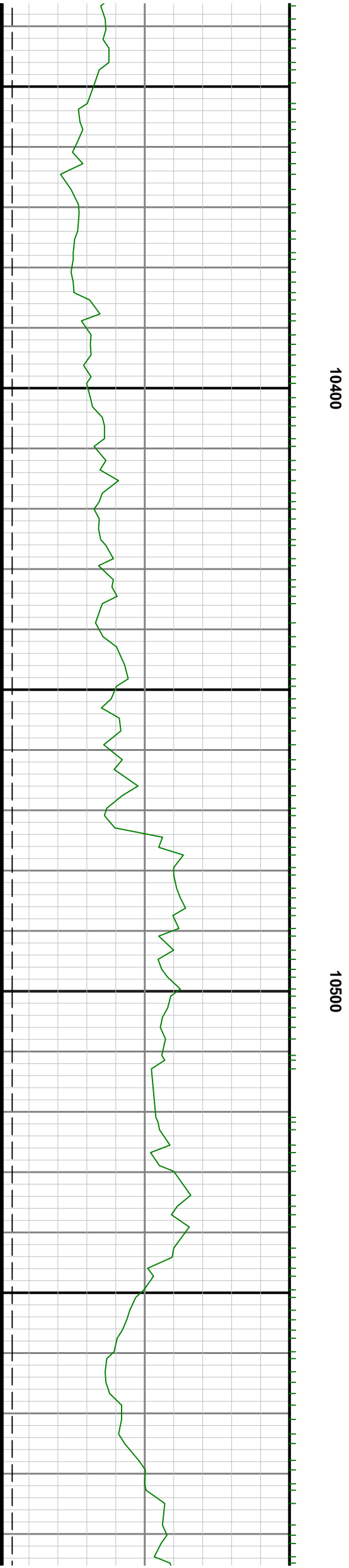
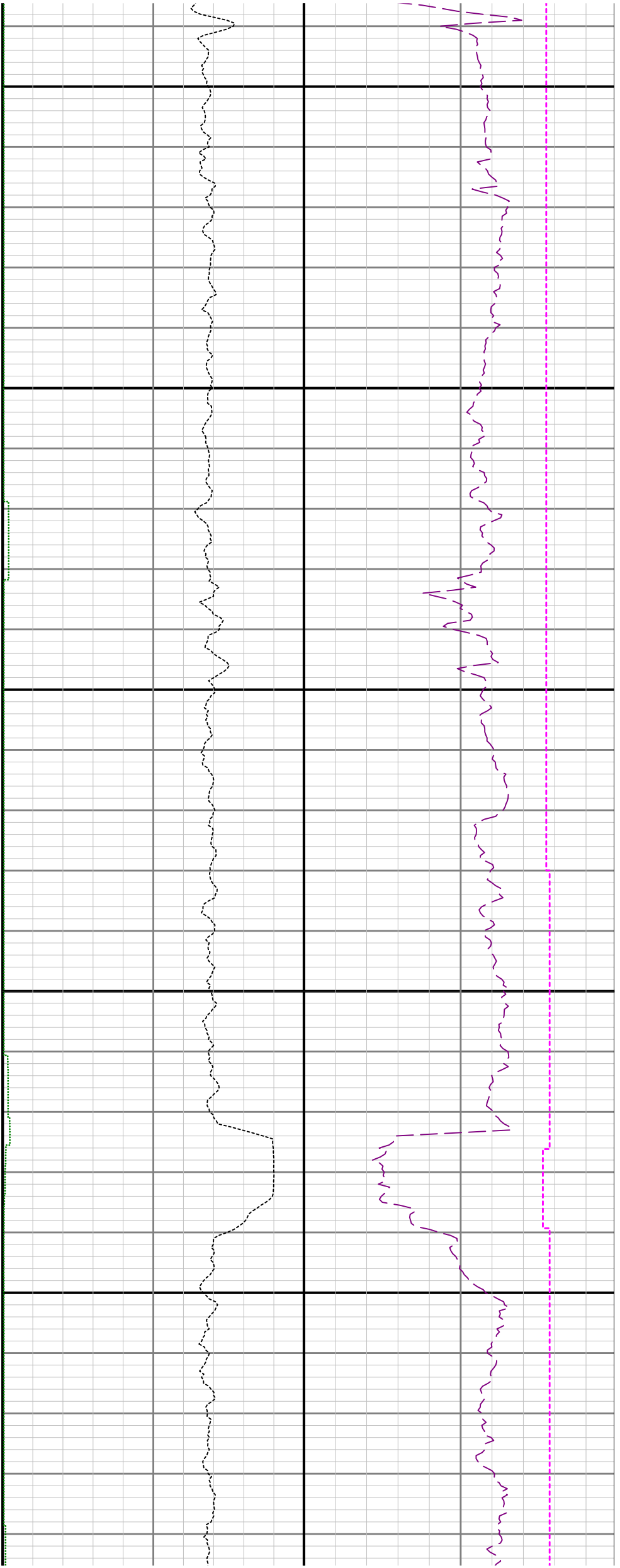
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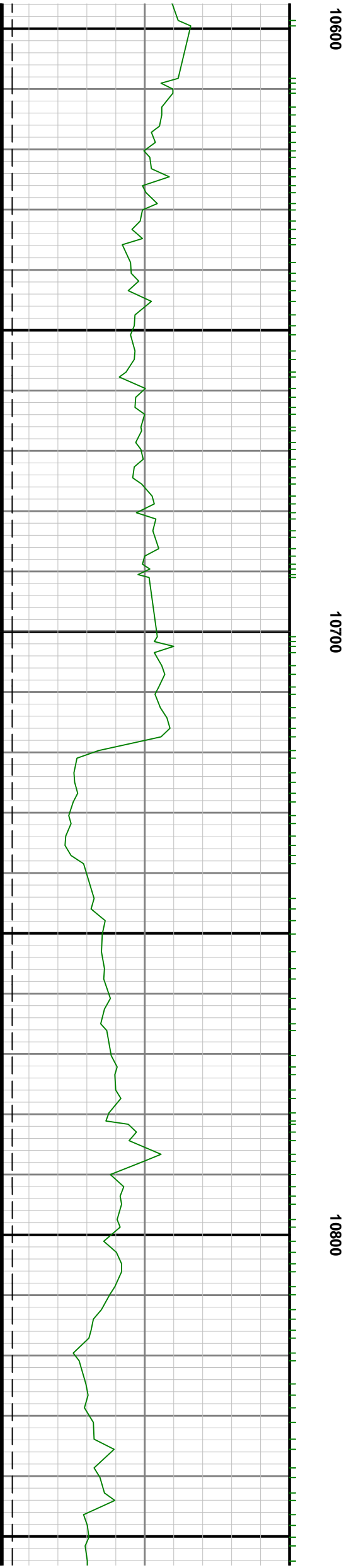
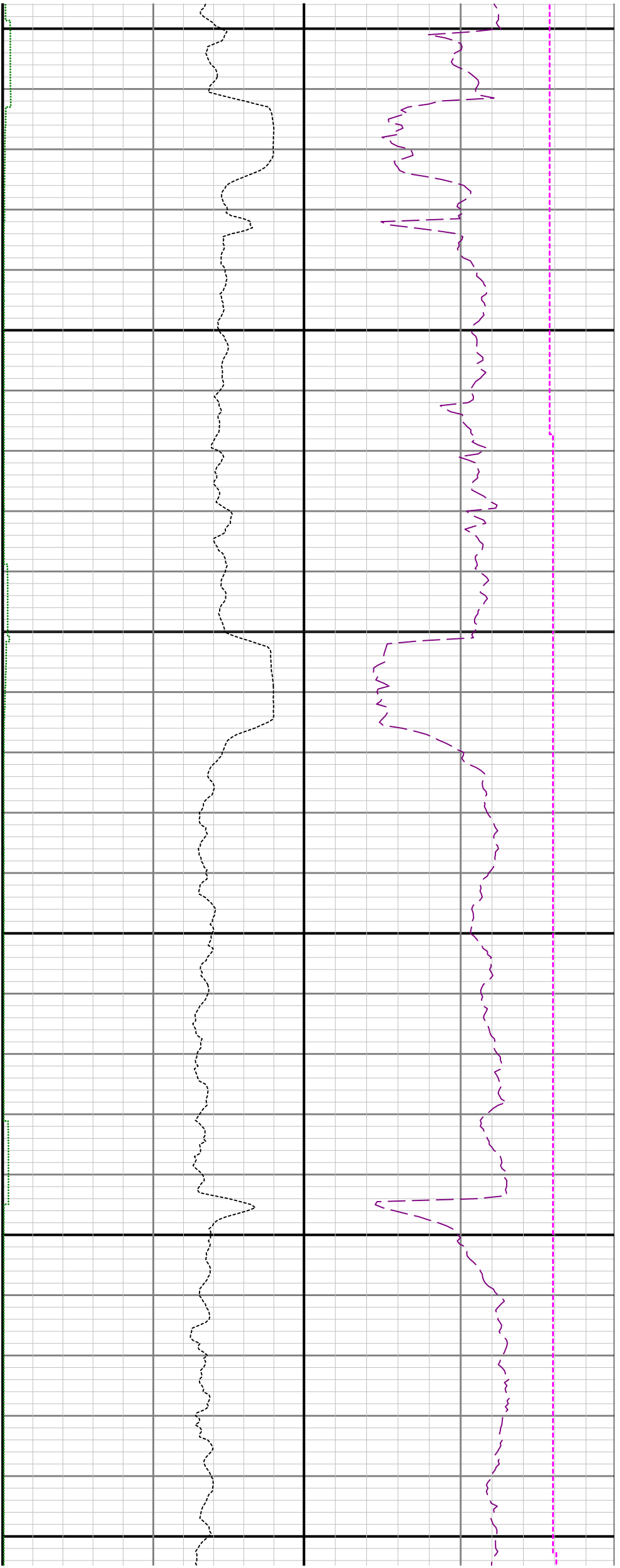
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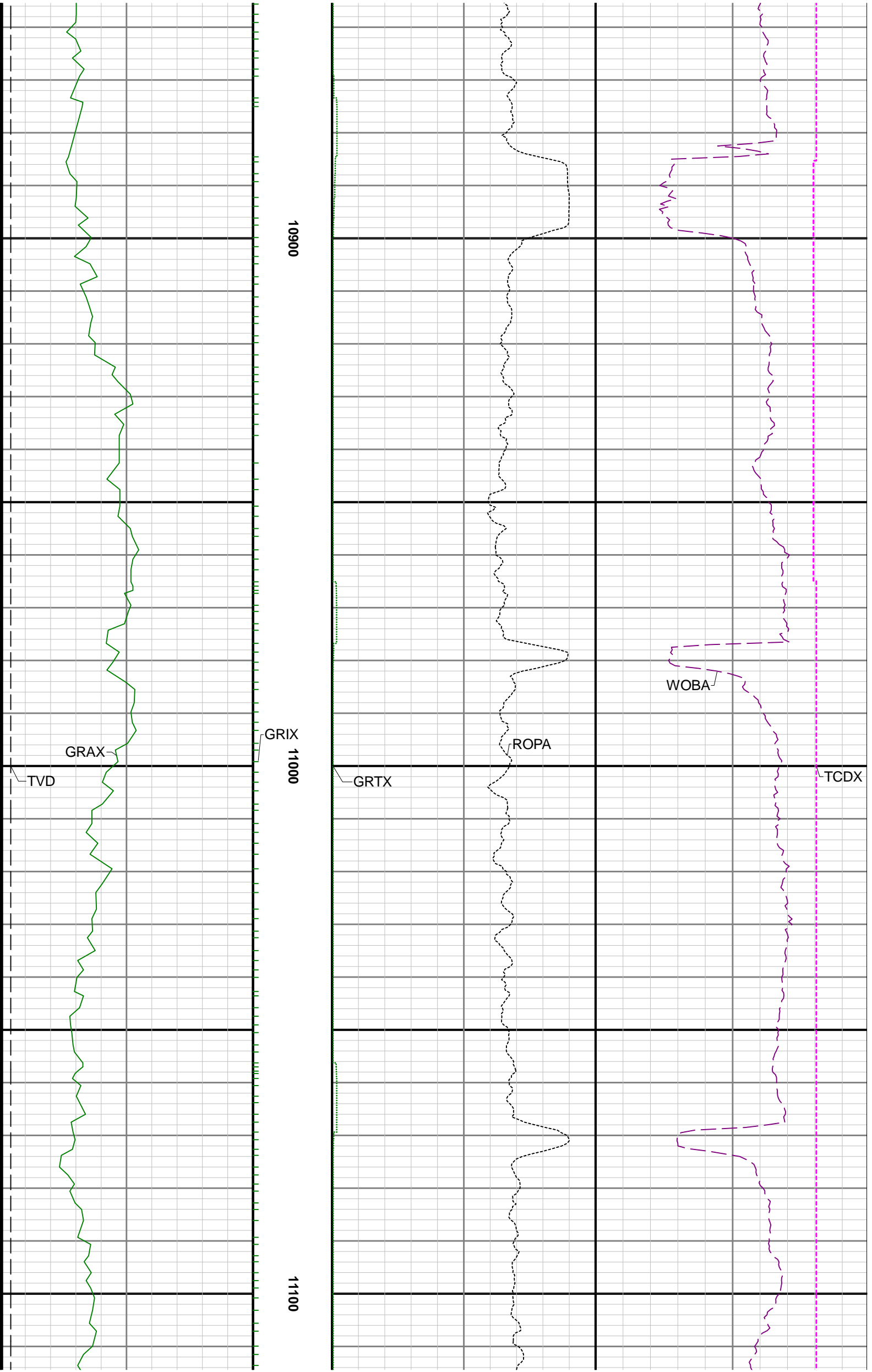


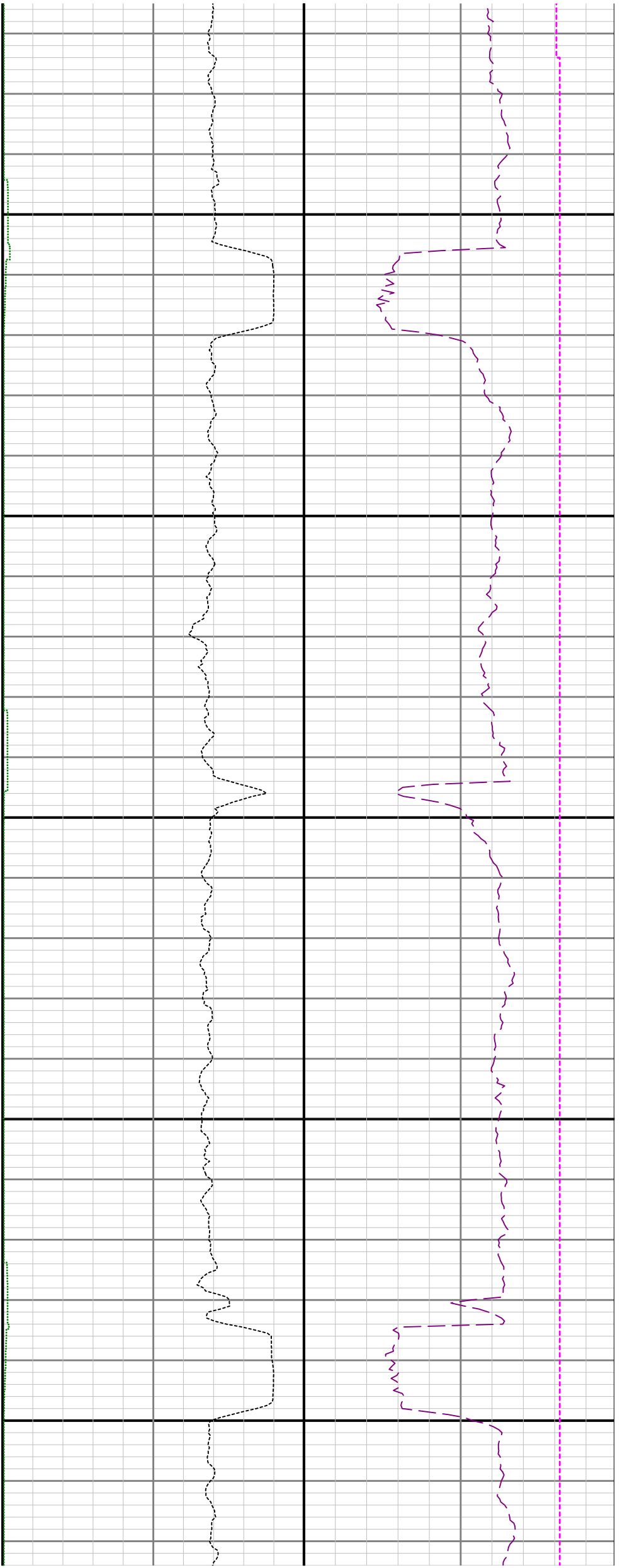






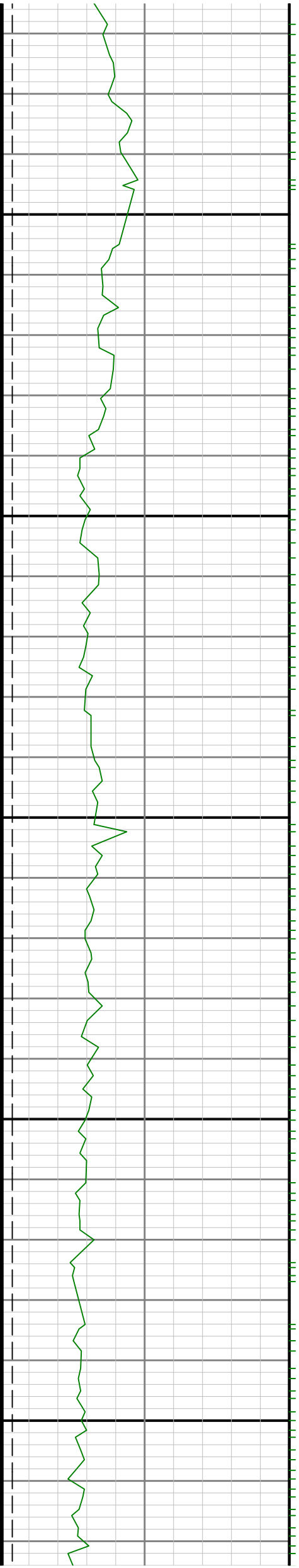




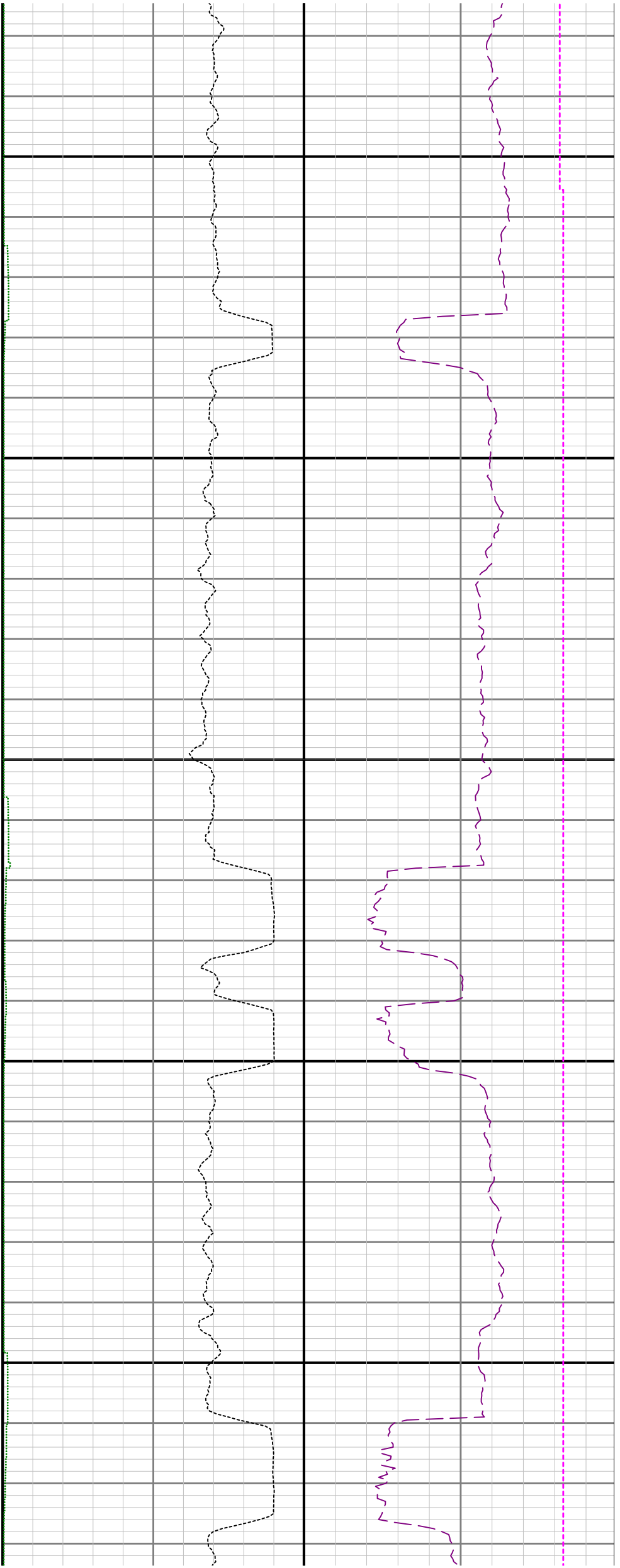


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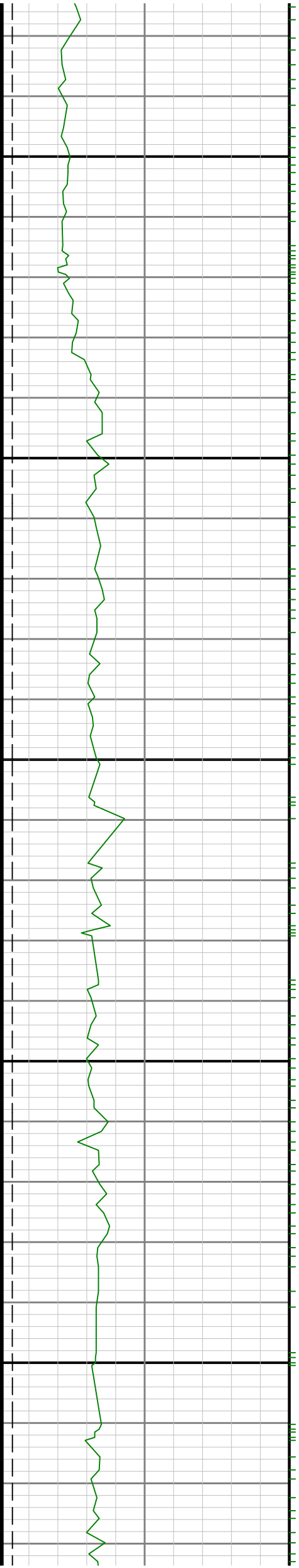


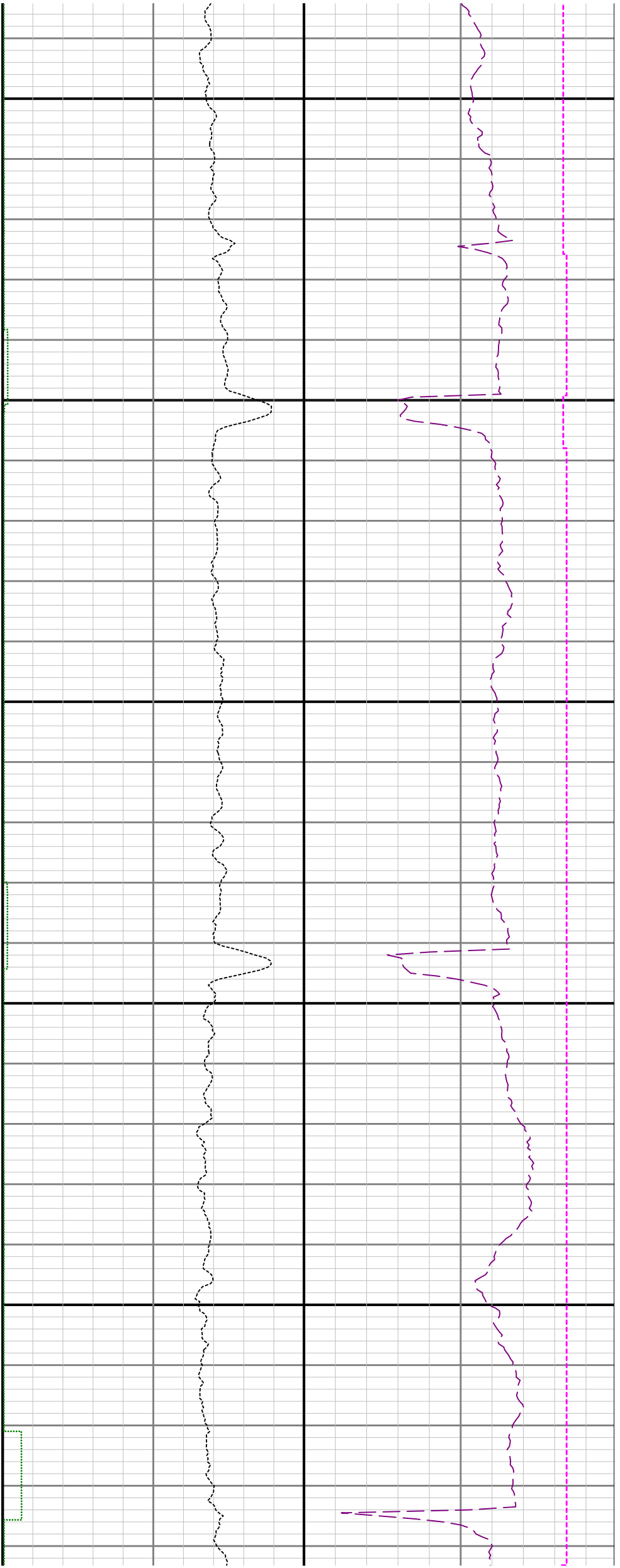


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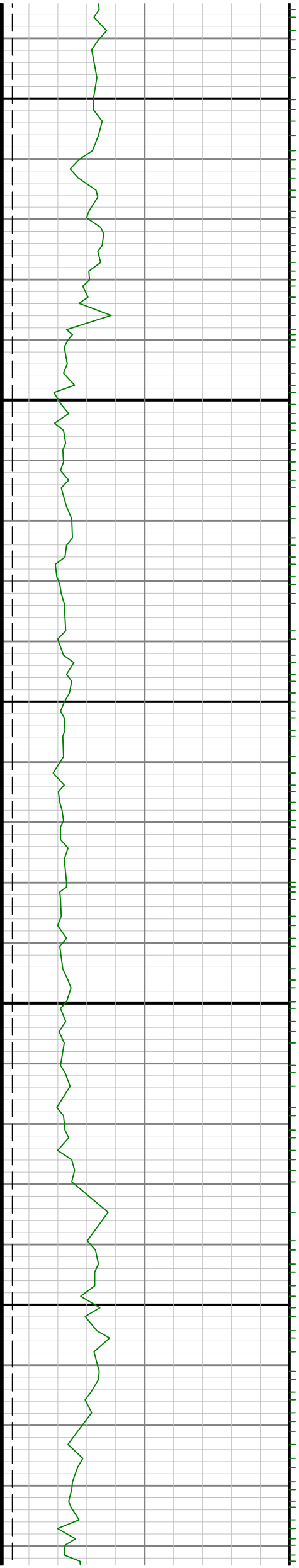
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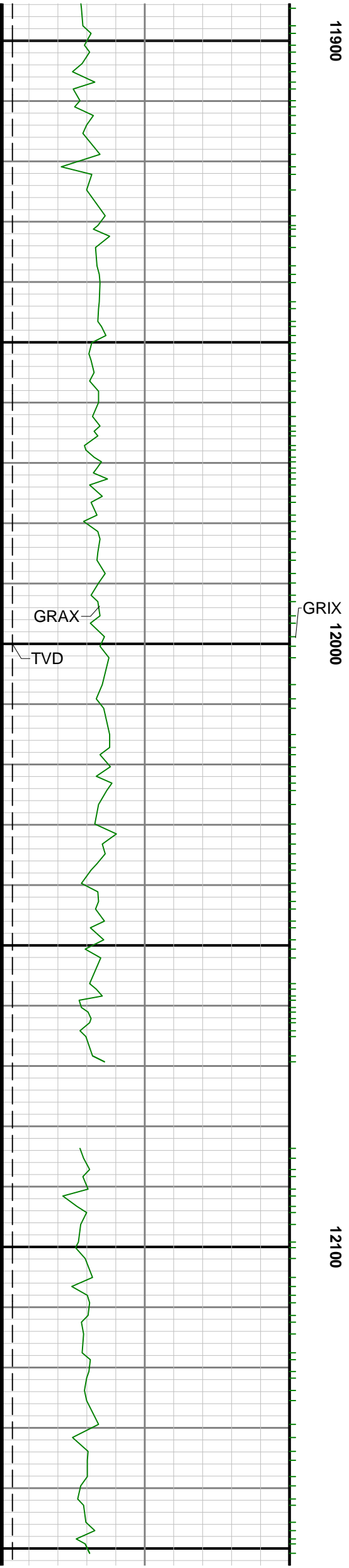
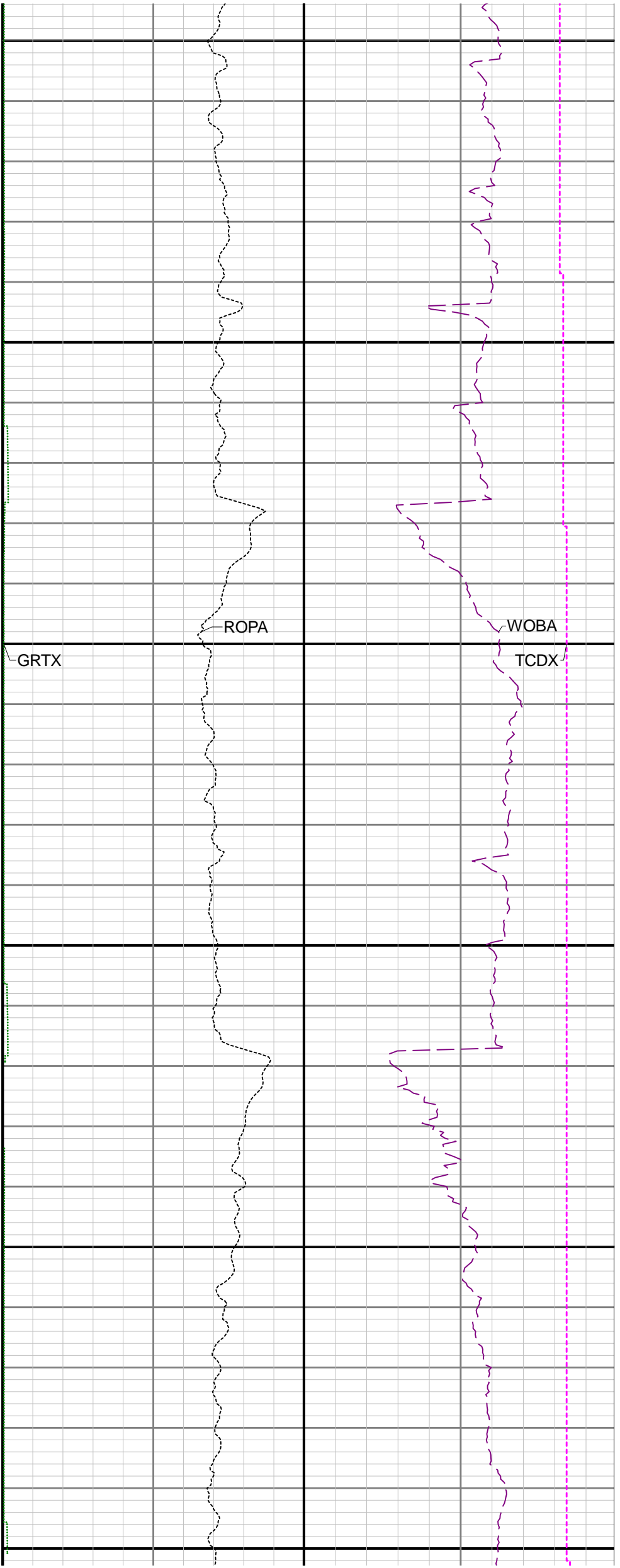


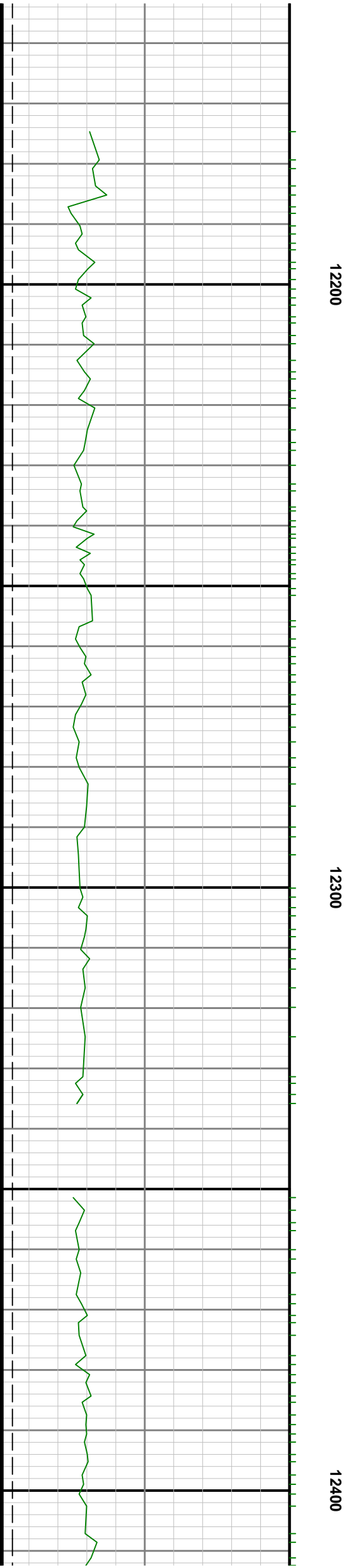


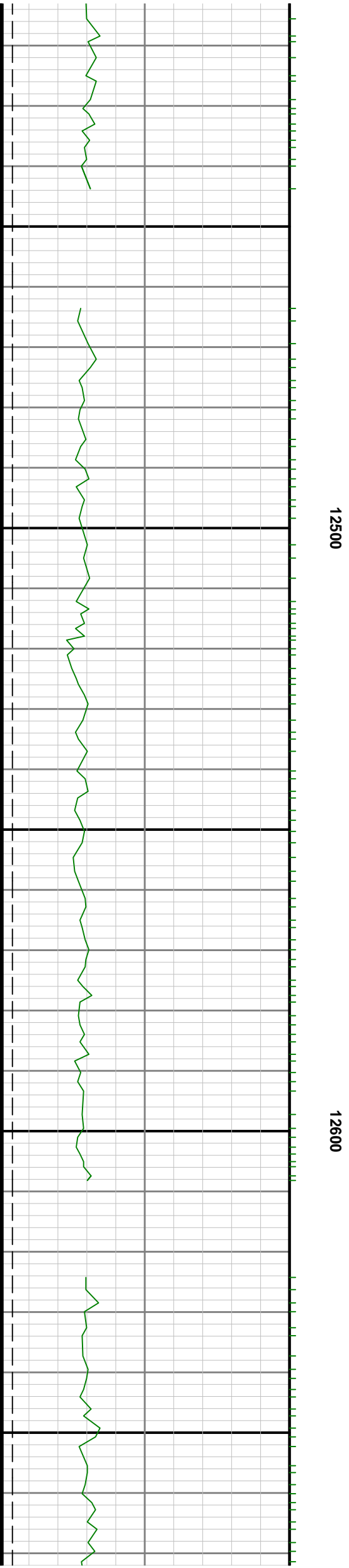
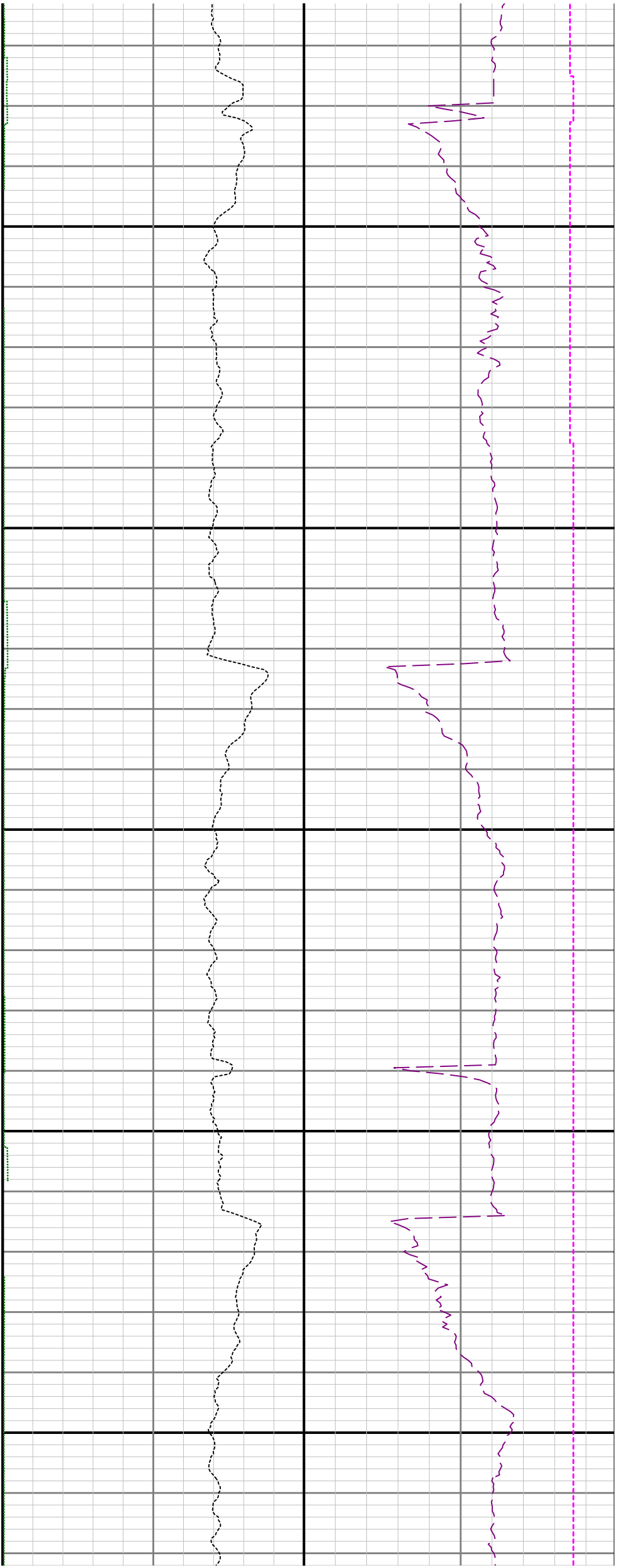
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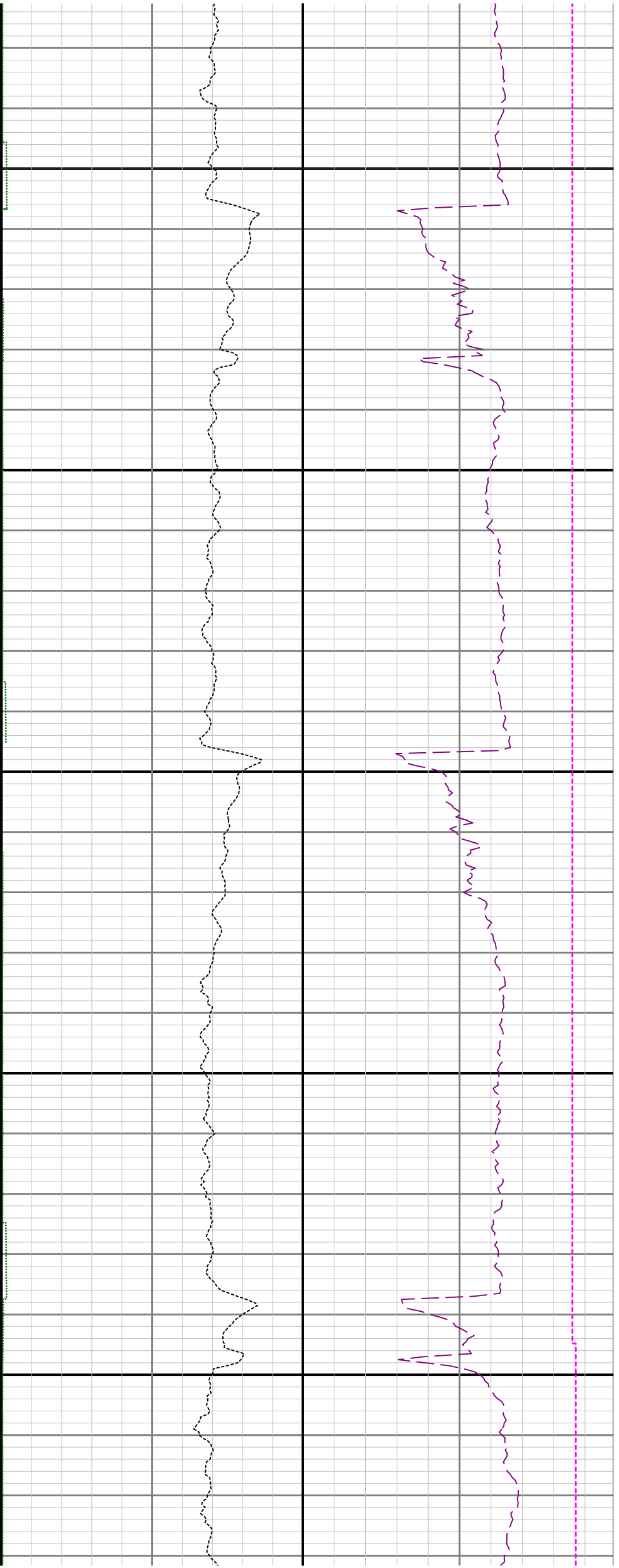
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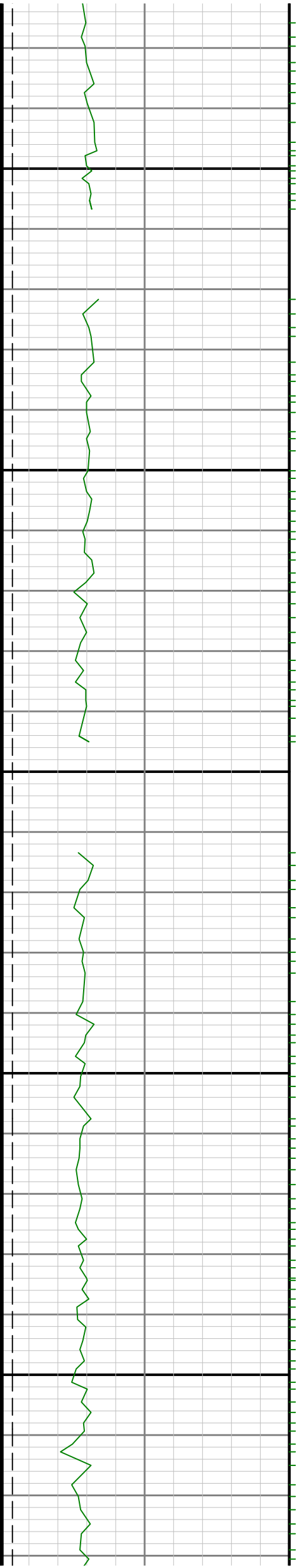


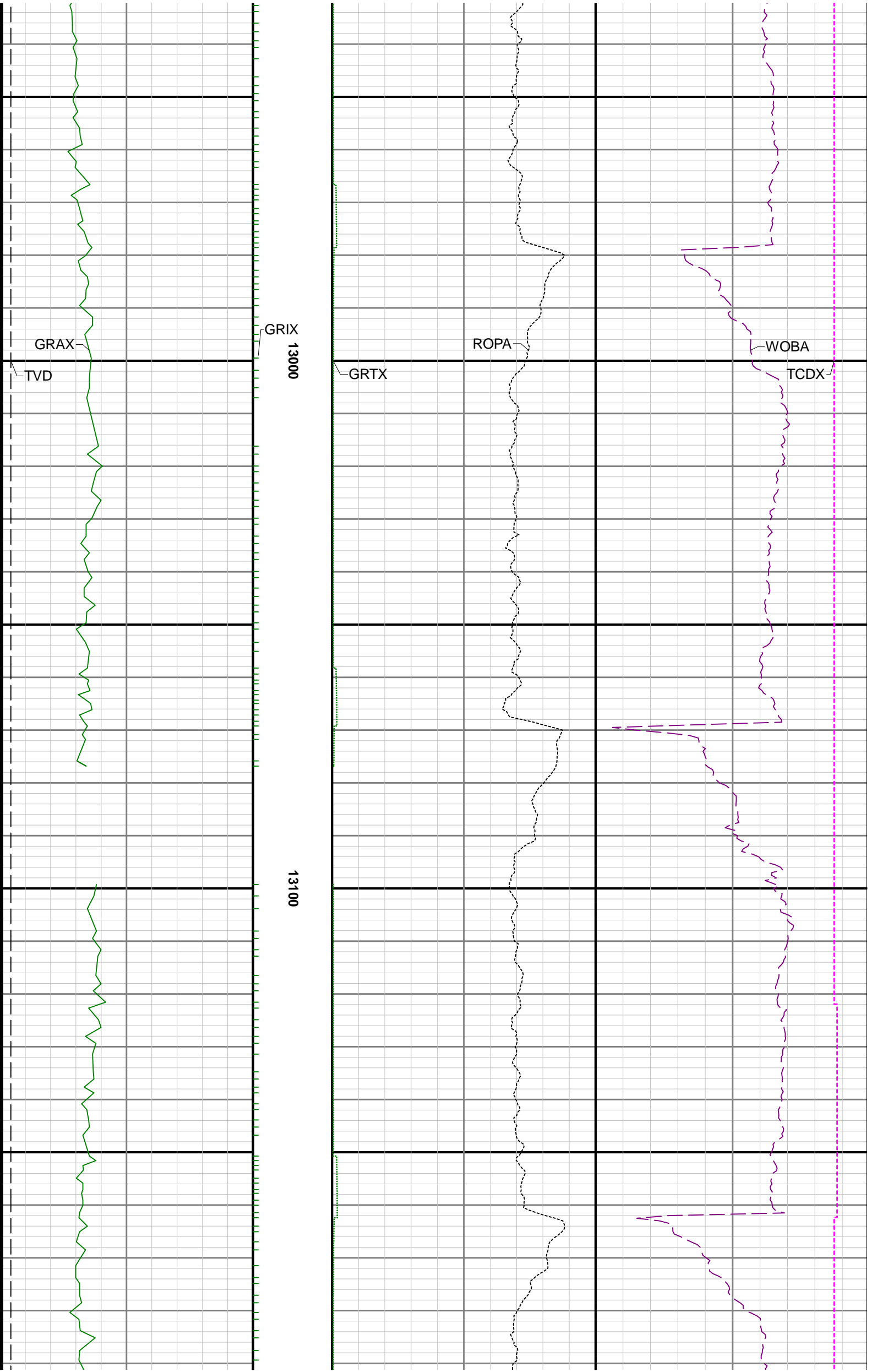


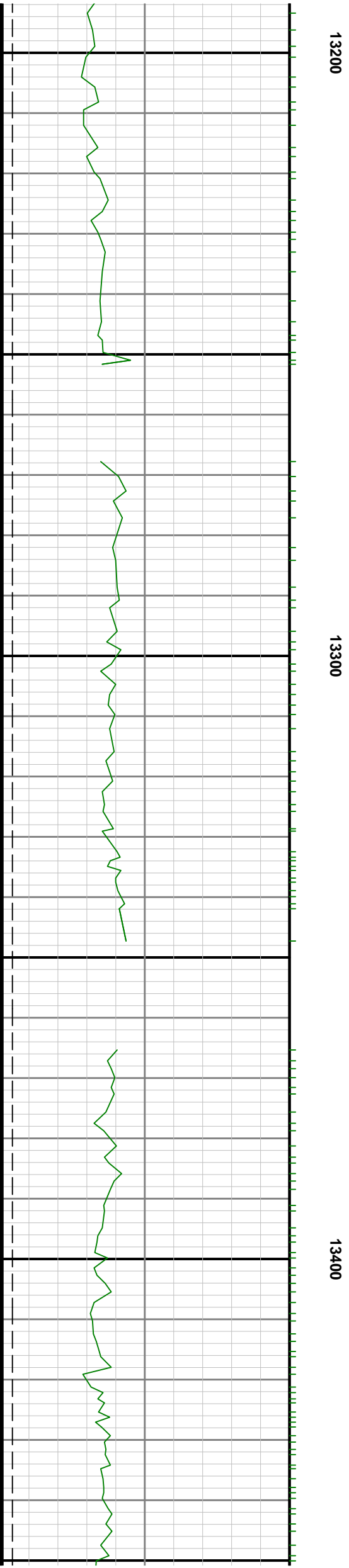
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12800

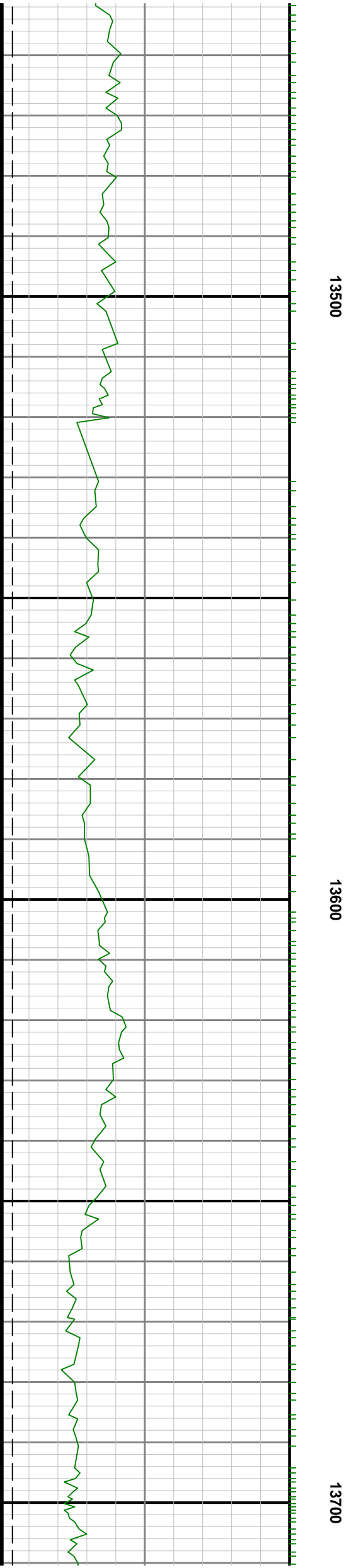
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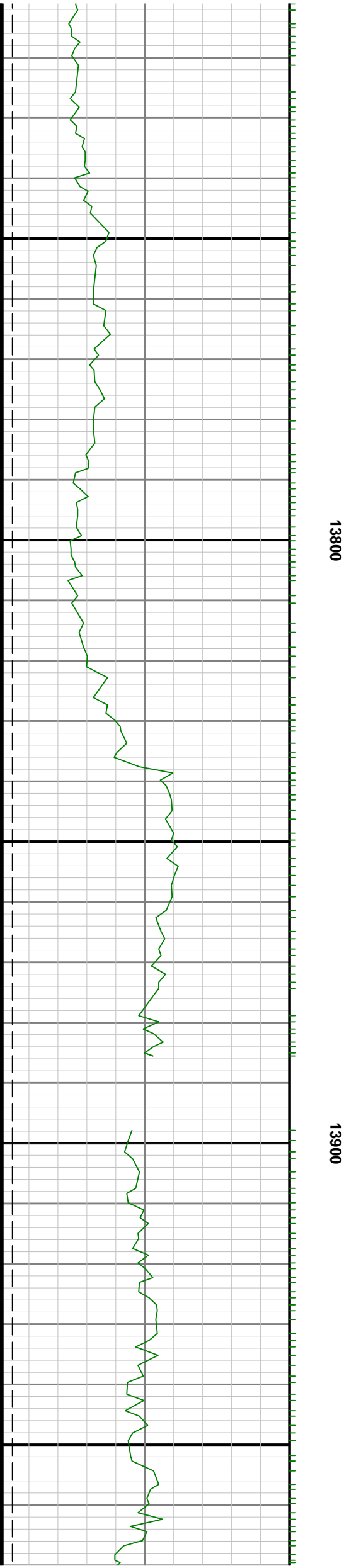
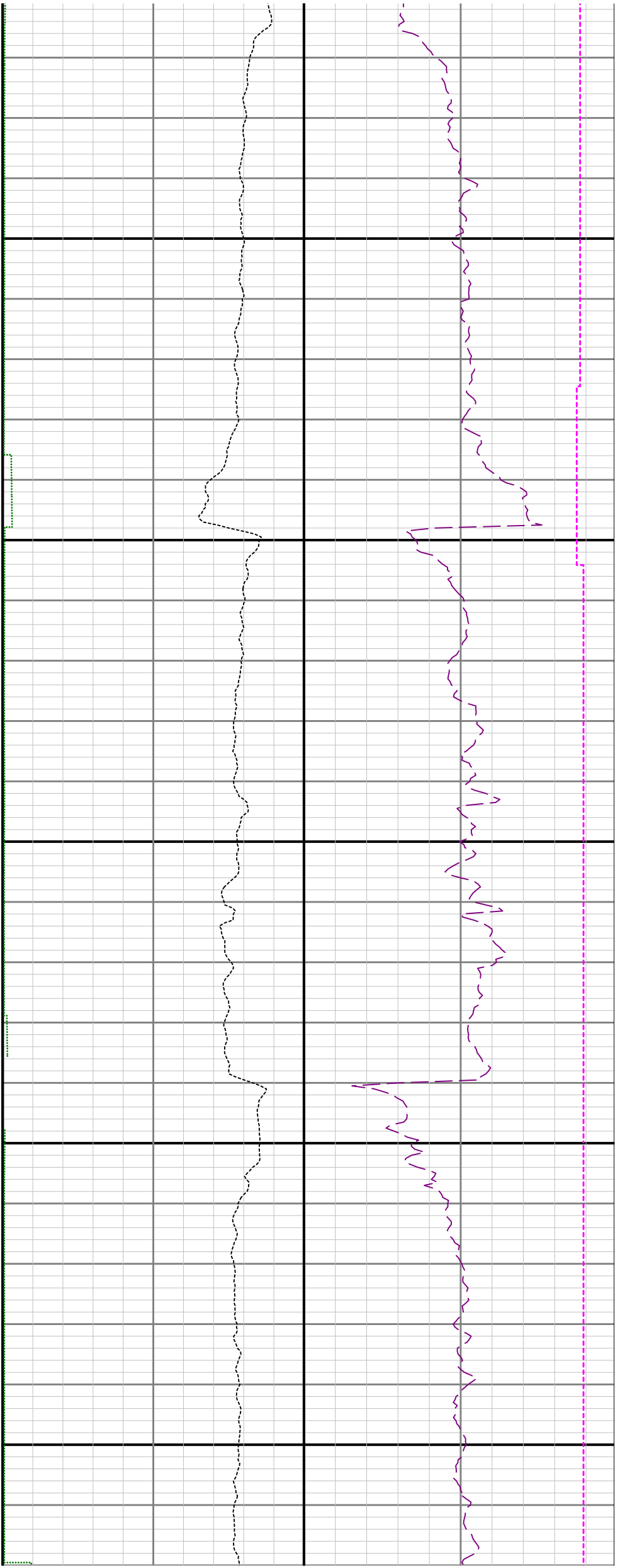


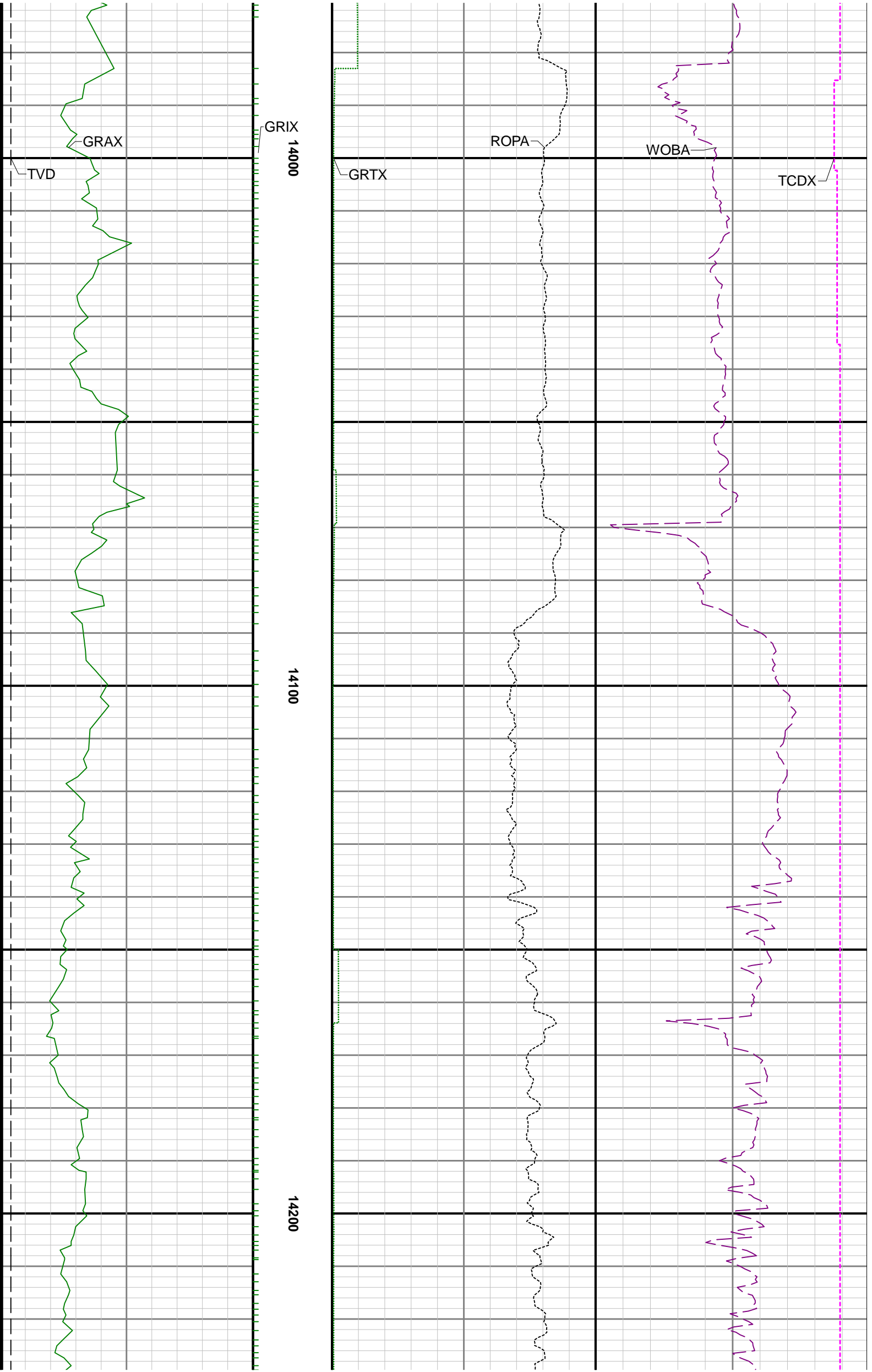


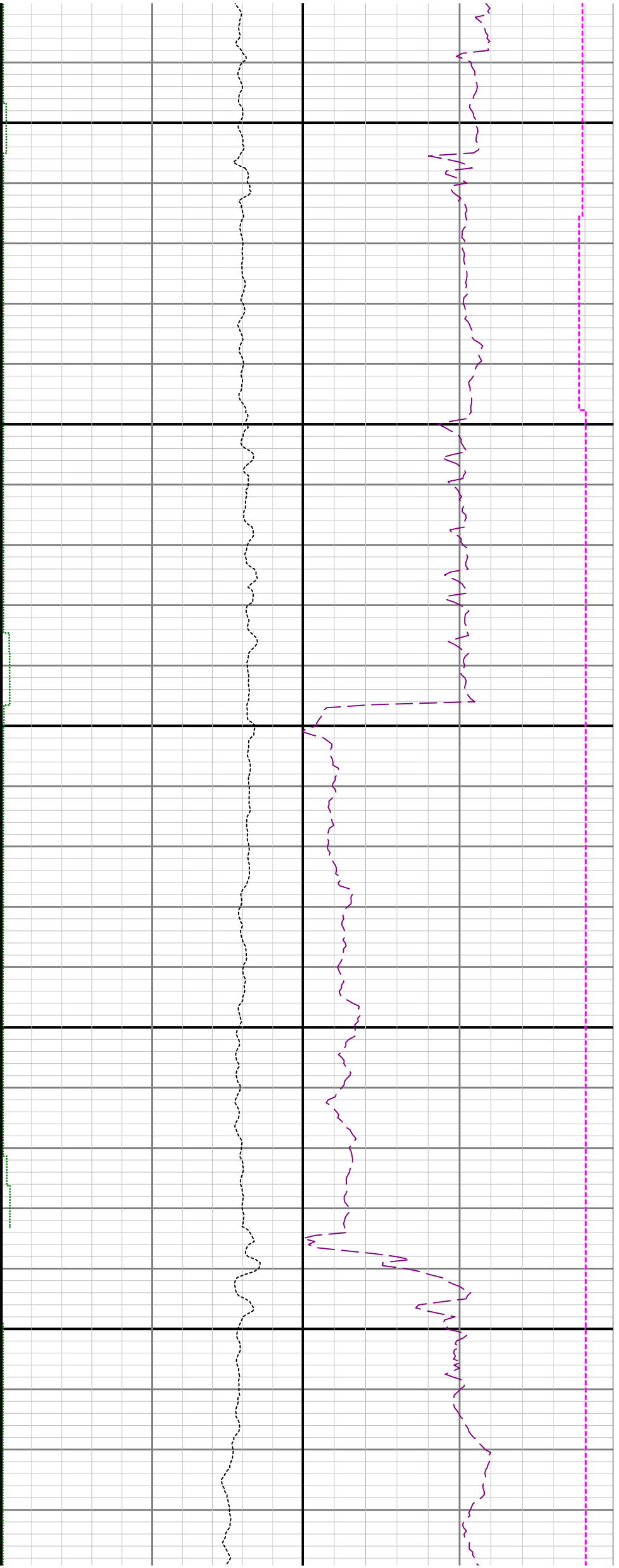






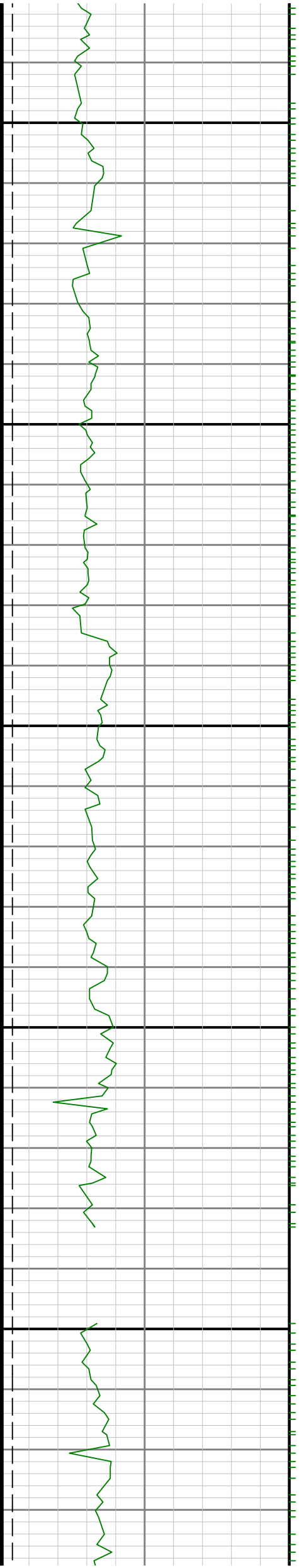


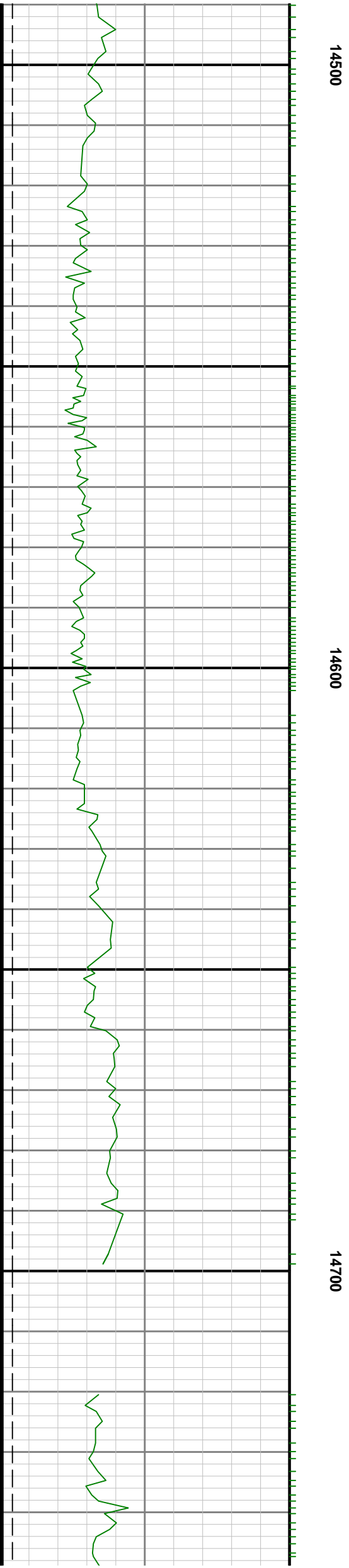
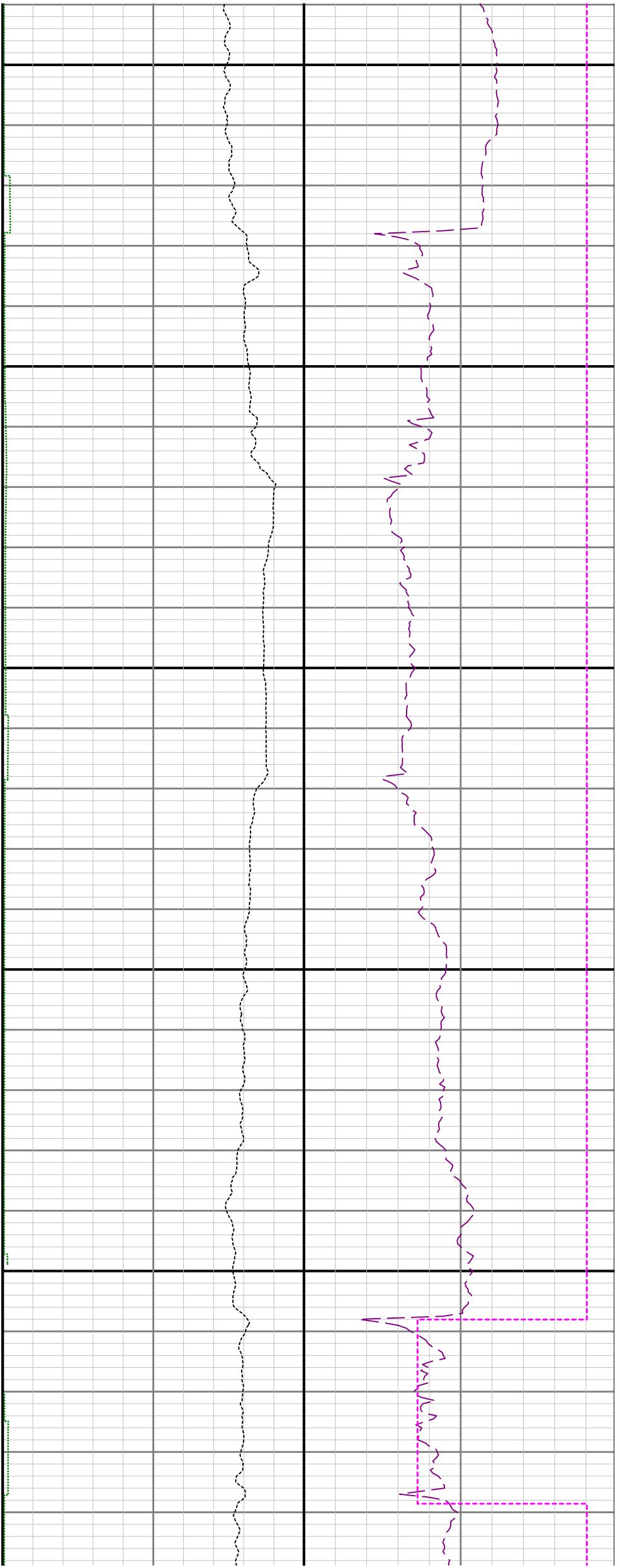


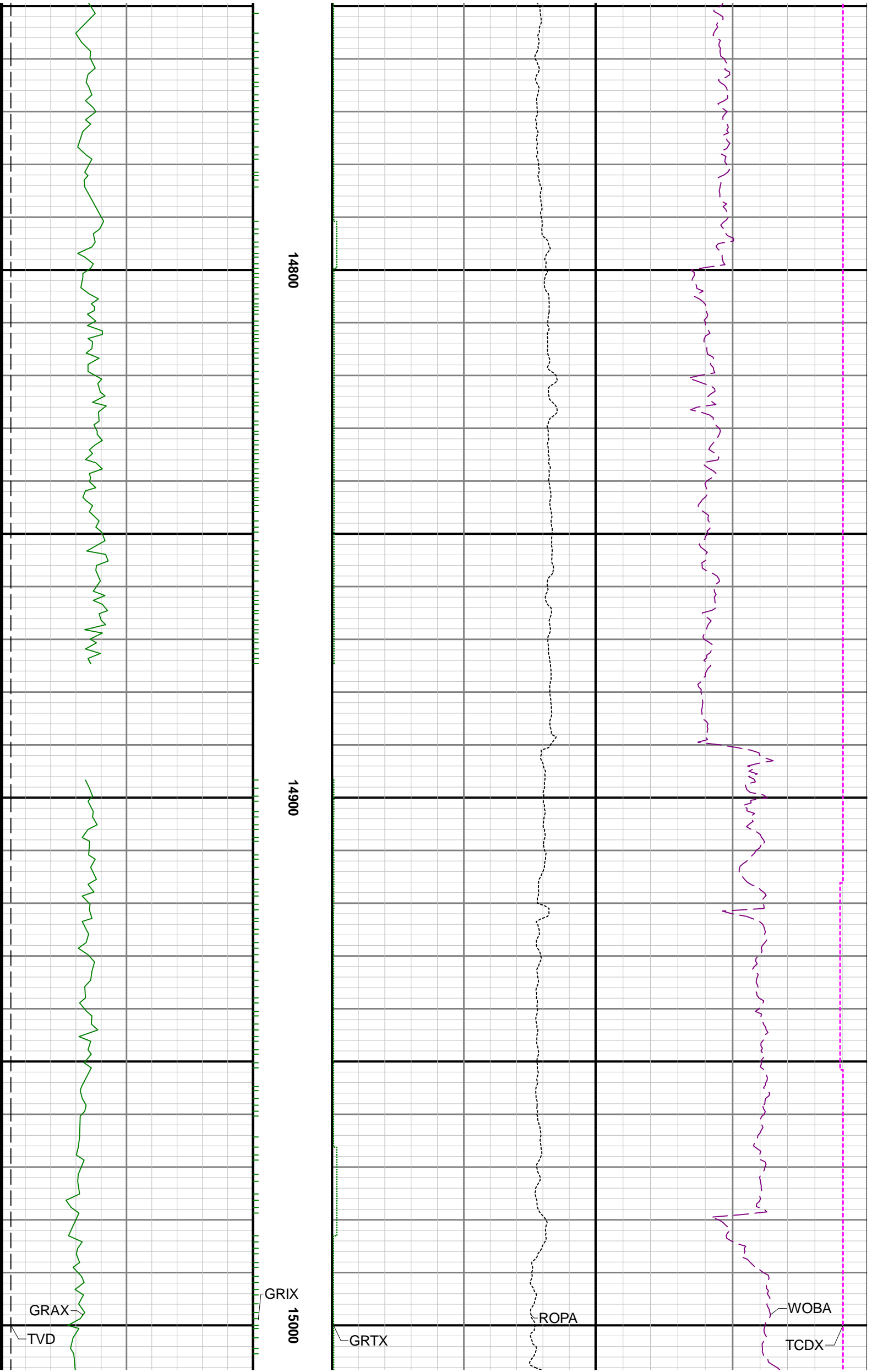


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14400



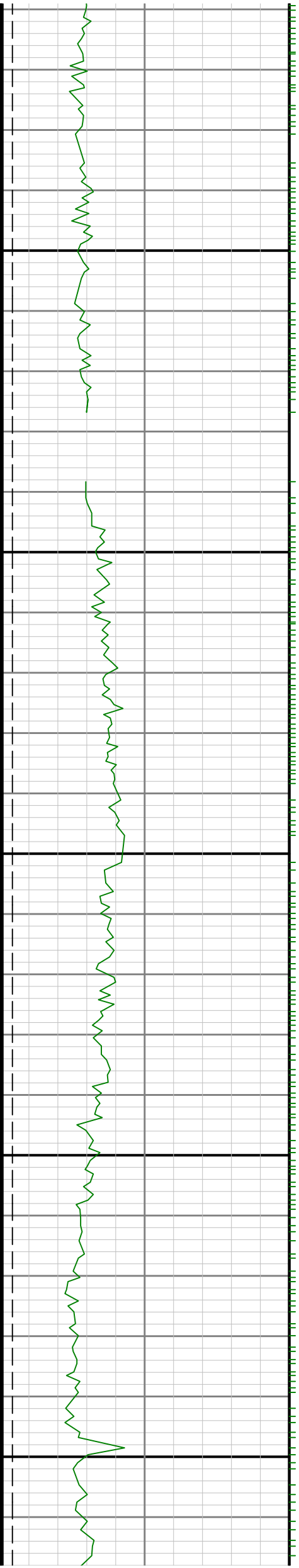


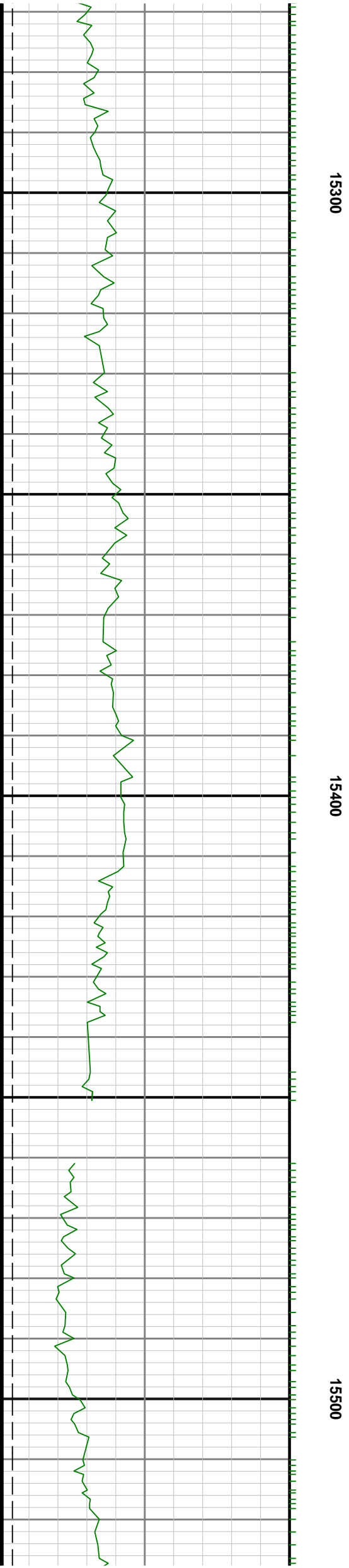
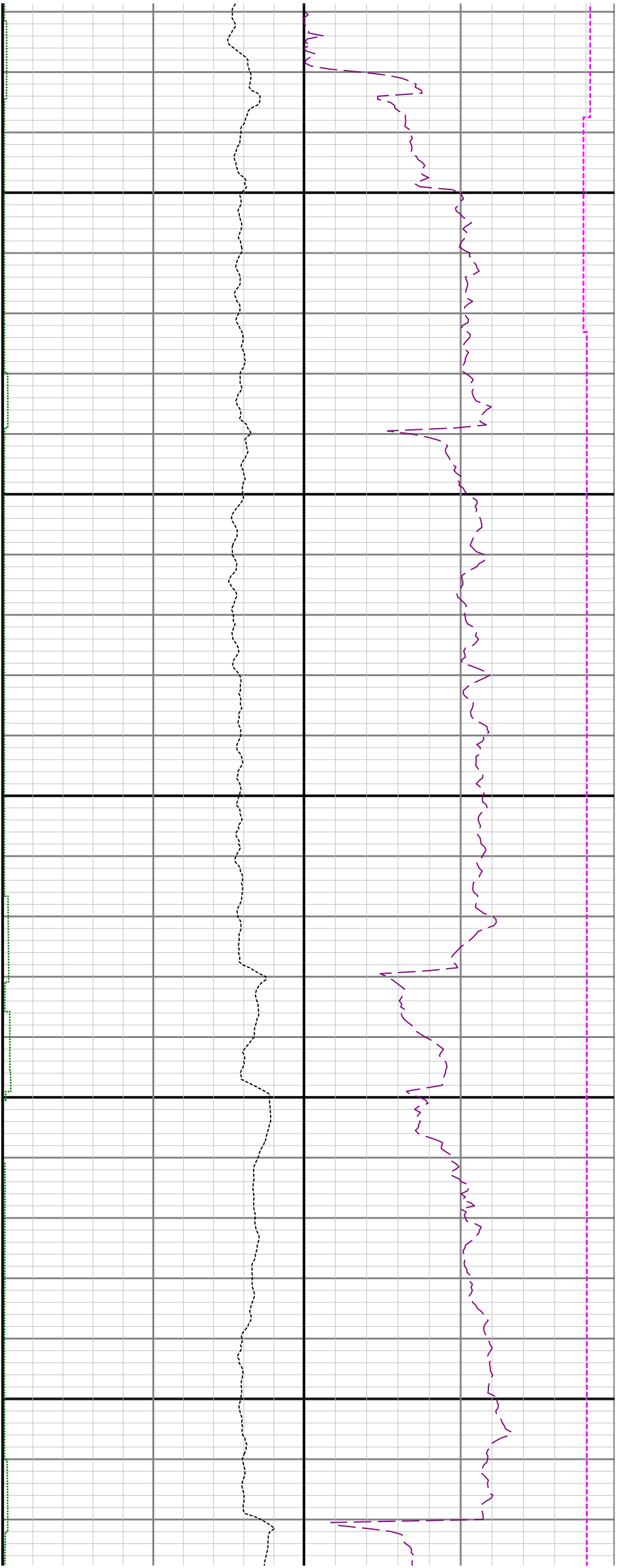




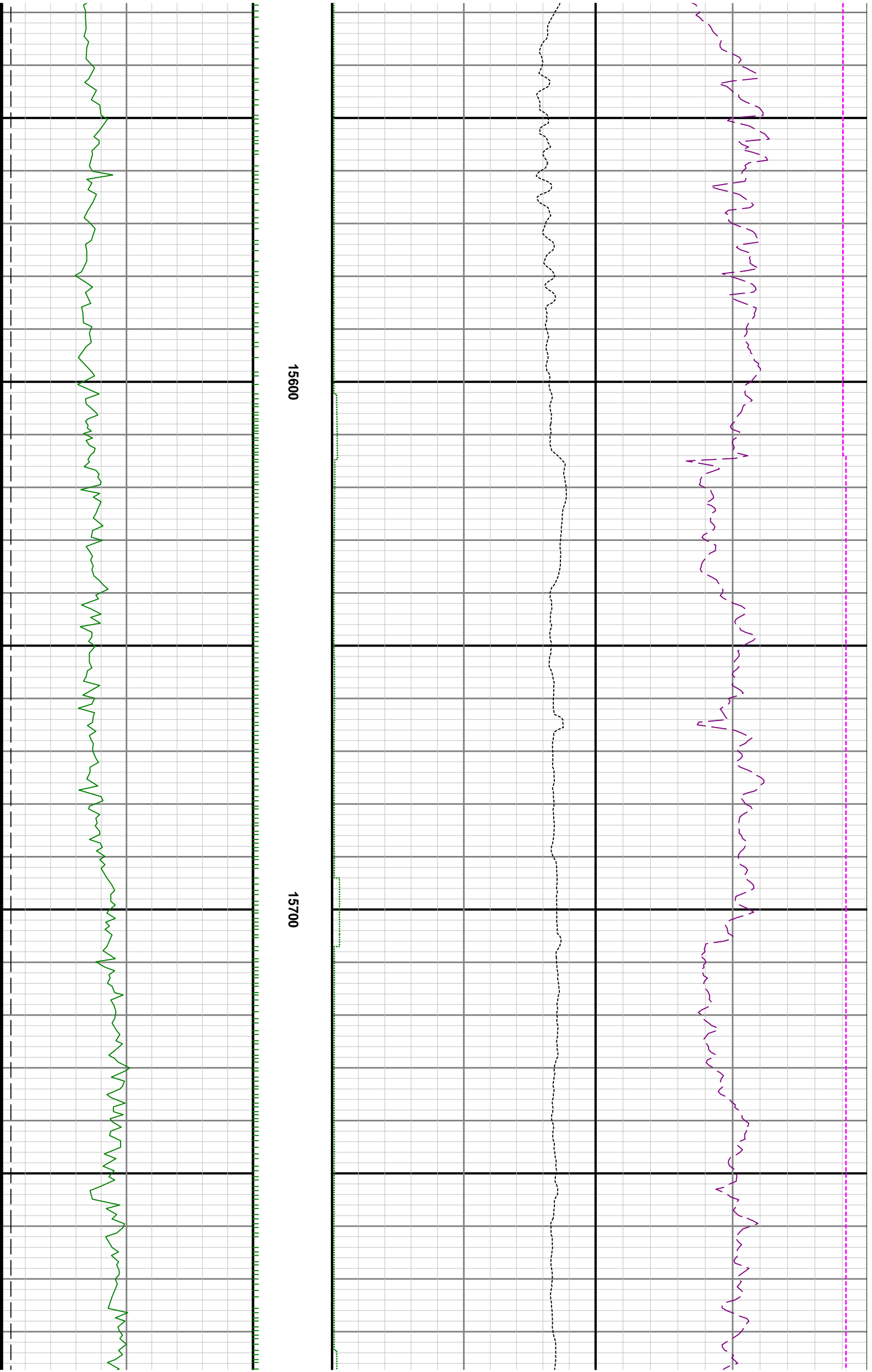
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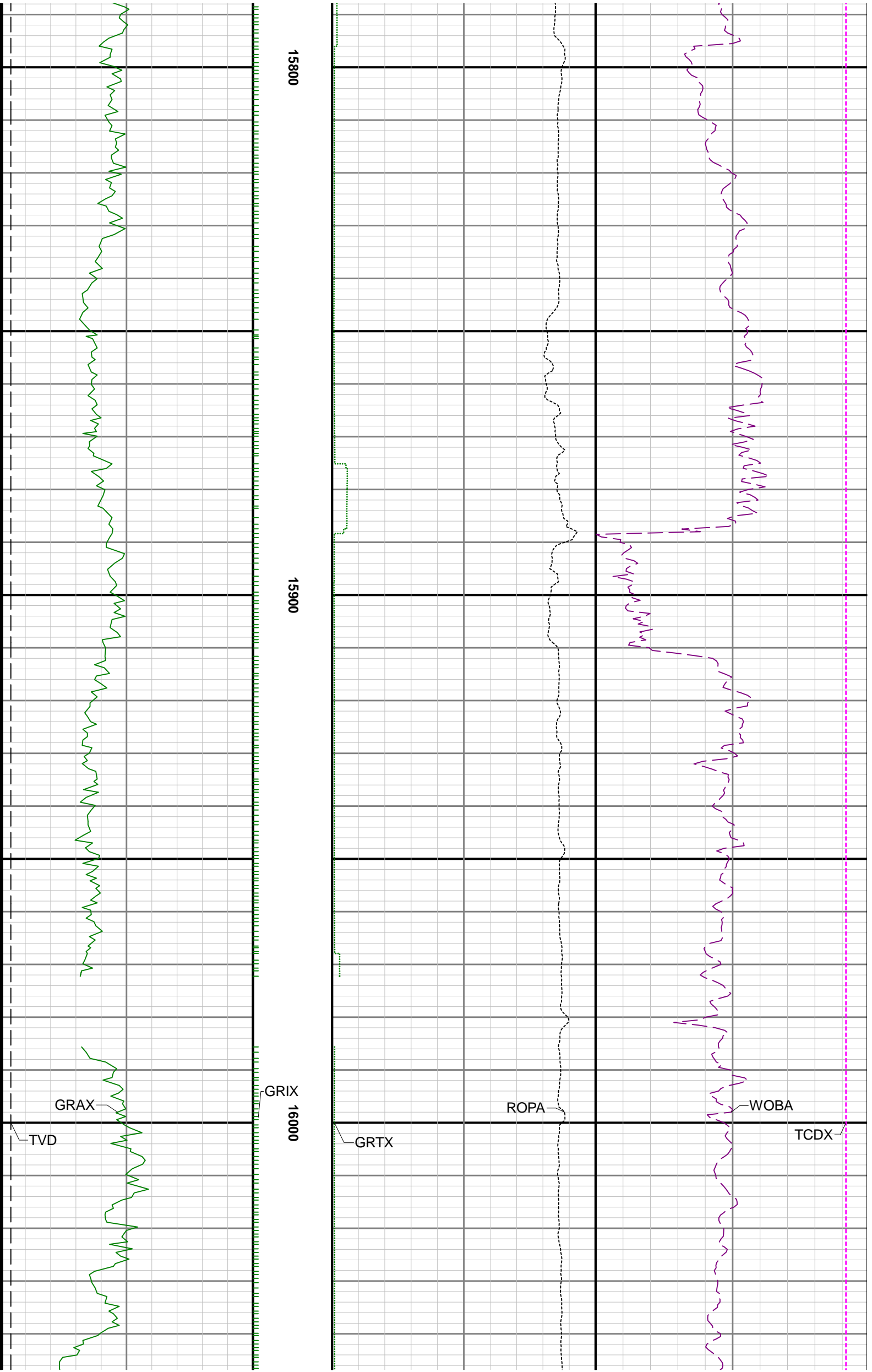
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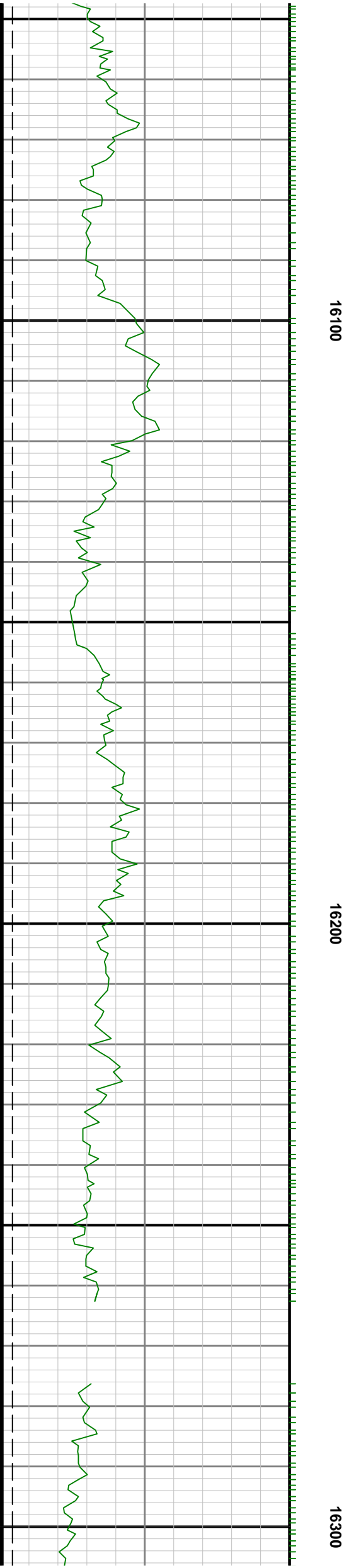
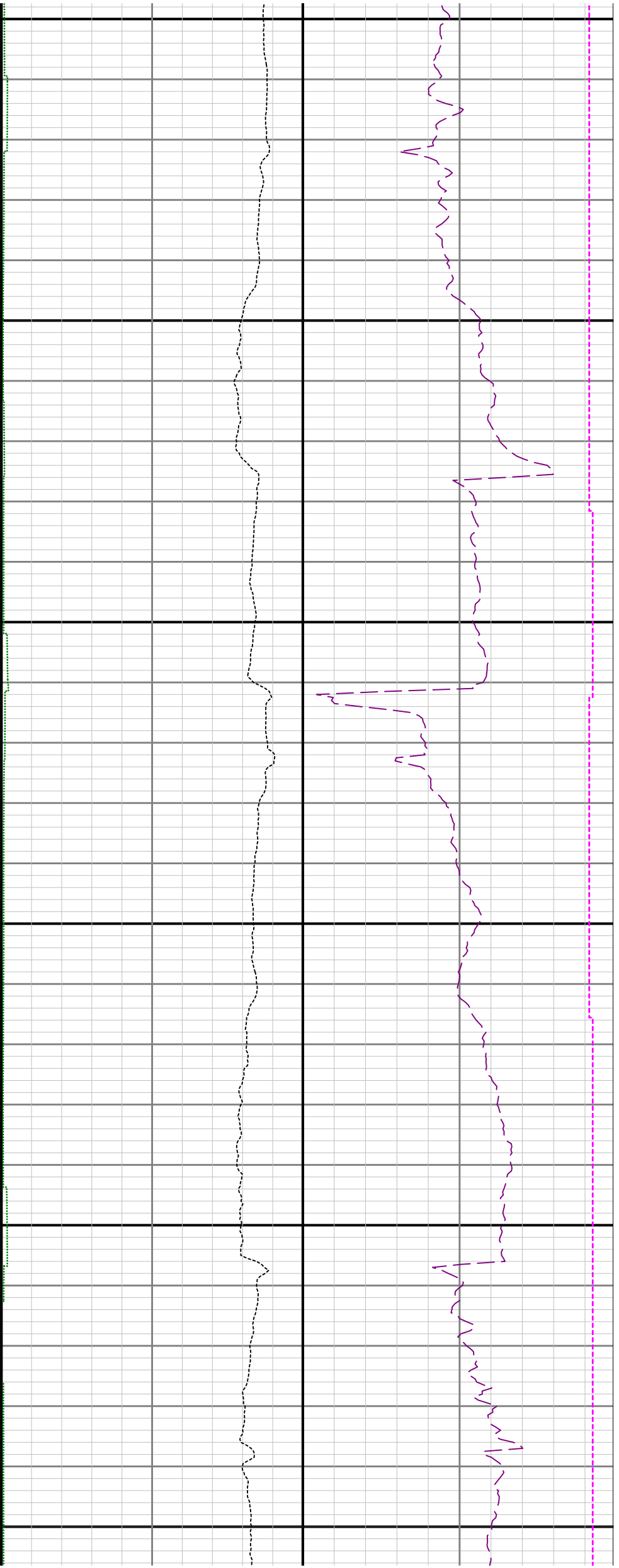


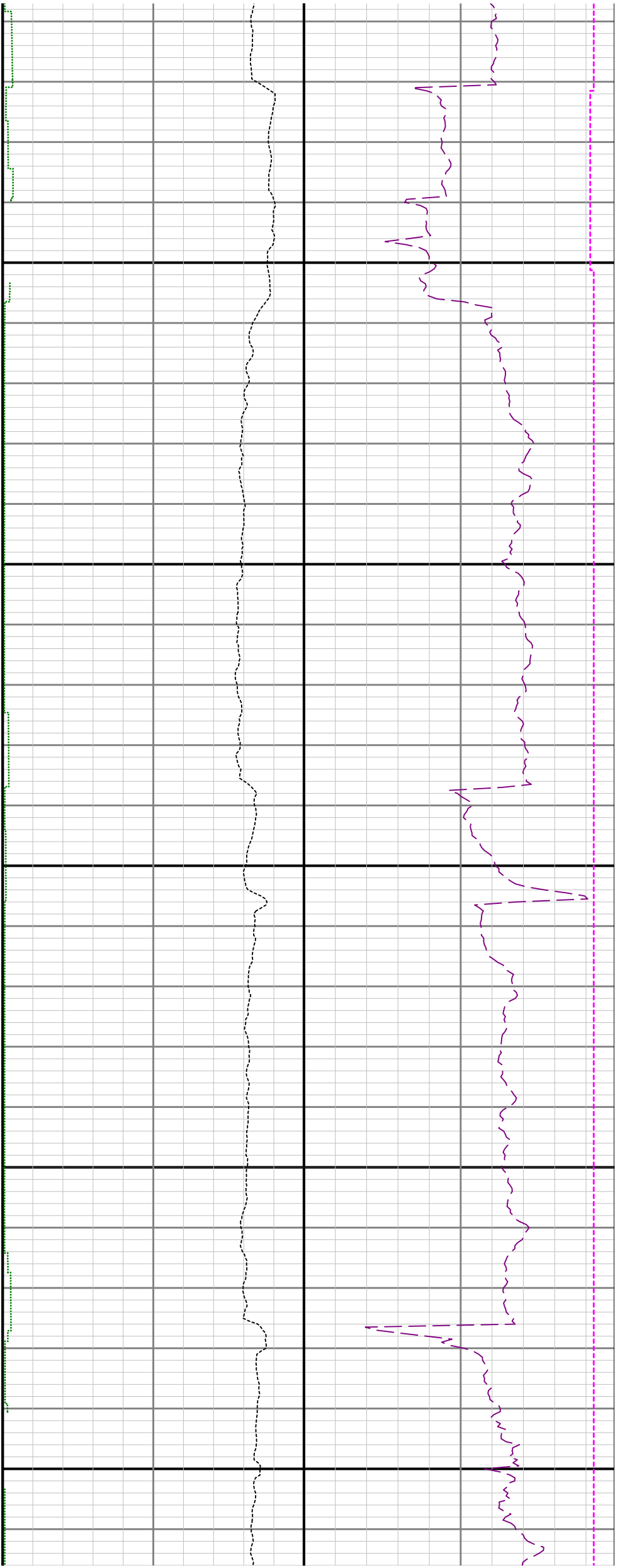












16400

16500

