

Crew								
Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite
John Moisan	2017-11-02	2017-11-08						

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+ (%)
2017-11-04 04:00	2	1830.00	Diesel-Oil Based Mud	9.8	14	N/A	N/A	77/23	Active Pit	38000	0.00
2017-11-04 15:30	2	4102.00	Diesel-Oil Based Mud	9.5	11	N/A	N/A	76/24	Active Pit	40000	0.00
2017-11-05 04:00	2	7006.00	Diesel-Oil Based Mud	9.5	11	N/A	N/A	78/22	Active Pit	38000	0.00
2017-11-05 15:30	2	9056.00	Diesel-Oil Based Mud	9.6	11	N/A	N/A	79/21	Active Pit	37500	0.00
2017-11-06 04:00	2	11670.00	Diesel-Oil Based Mud	9.9	15	N/A	N/A	78/22	Active Pit	36000	0.00
2017-11-06 15:00	2	13363.00	Diesel-Oil Based Mud	10.0	14	N/A	N/A	79/21	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	Sensor Sub	ZAPS230936	Directional (mag)	12.01	55.28	8.000	3.250
1	Sensor Sub	ZAPS230936	VSS	12.01	55.28	8.000	3.250
1	Sensor Sub	ZAPS230936	Pressure	32.56	75.83	8.000	3.250
2	ATC_SU	12215165	Near Bit VSS	5.93	6.73	7.000	4.330
2	ATC_SU	12215165	Near Bit Inclination	5.93	6.73	7.000	4.330
2	ATC_MWD	12603327	Gamma (single)	2.23	12.35	7.000	3.250
2	ATC_MWD	12603327	Directional (mag)	12.30	22.42	7.000	3.250

Service and Tool Mnemonics

Mnemonic	Name	Description
GAM	APS	APS EM Module
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	Depths and 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. These unverified depths are being used to represent logging data.
2	On 11/4/17 * @ 1530 hrs, the logging tool was pulled out of the hole at 1773 feet TVD. No logging data was acquired during this run.
3	On 11/5/17 * @ 1530 hrs, the logging tool was pulled out of the hole at 15705 feet MD (1773 to 7074 feet TVD).
4	Gamma Ray Apparent (GRAM-GRAUM-GRADM) is presented 0 to 300 API per customer request.


Remarks

Number	Measured Depth (ft)	Hole Section (in)	Run No.	Remark
1	1830.00	8.500	2	Baker Hughes logging services began at 1830 feet MD (1773 feet TVD) per customer request.
2	15692.00	8.500	2	The interval from 15692 to 15705 feet MD (7074 feet TVD) was not logged due to sensor to bit offset at well TD.

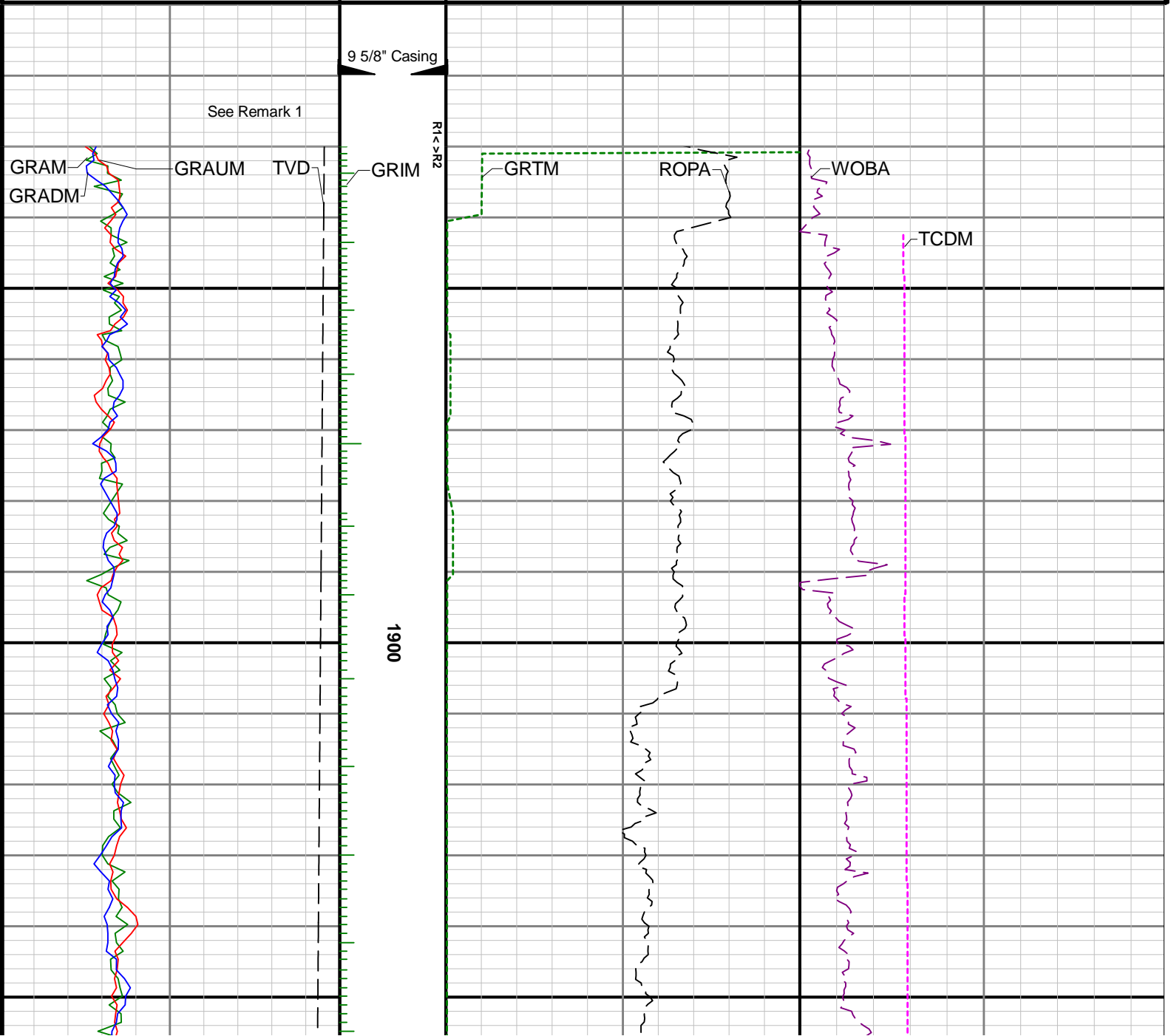
Curve Mnemonics

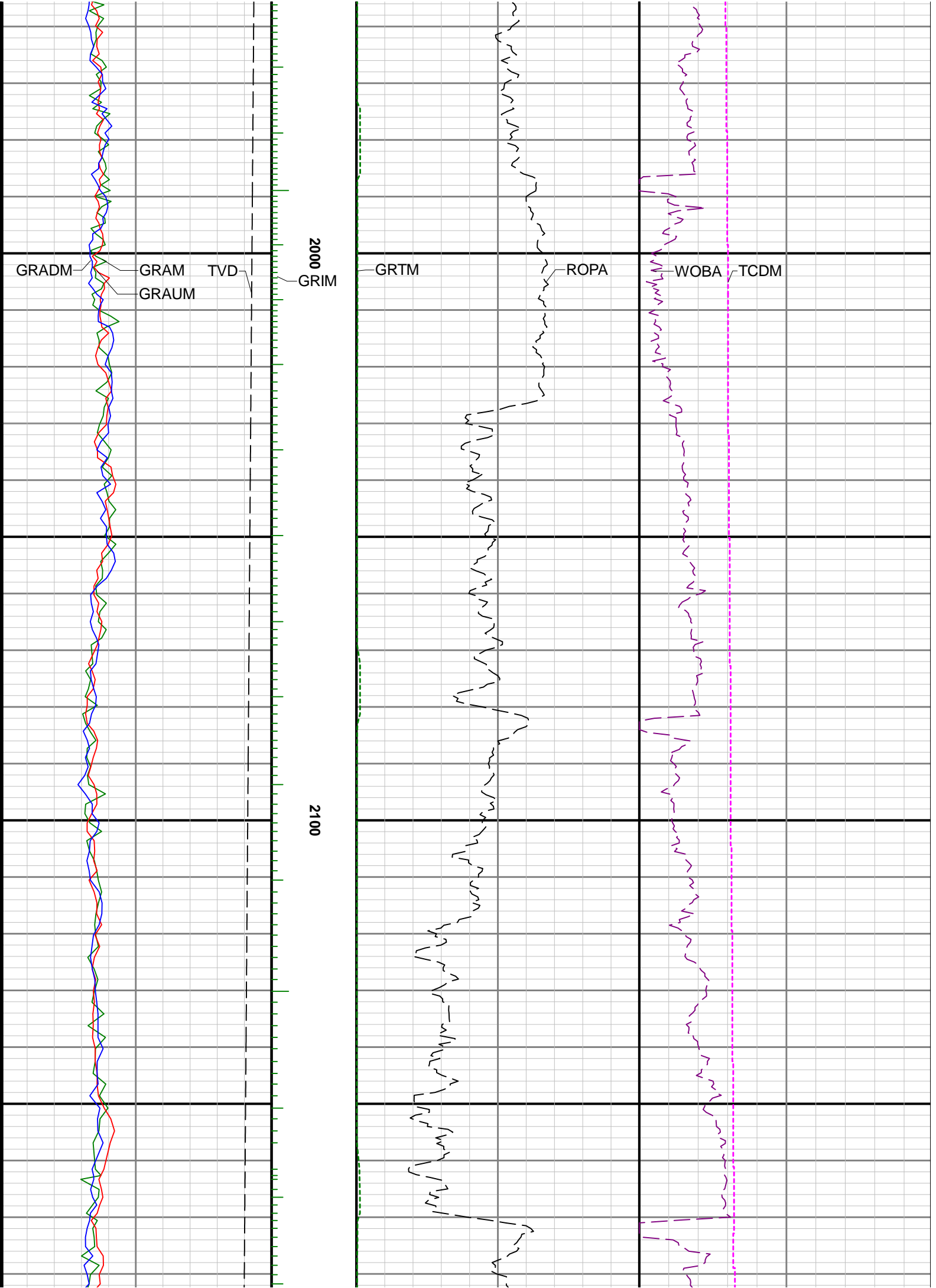
Presented Curves	Description	Units
ROPA	Depth Averaged ROP 3 ft Average	ft/h
TVD	True Vertical Depth	ft
WOBA	Weight On Bit, Average 1 ft Average	klb
GRAM	Gamma Ray - Apparent - Memory 0.5 ft Average	API
GRIM	Gamma Ray - Data Point Indicator - Memory	unitless
GRTM	Gamma Ray - Time Since Drilled - Memory	min
GRADM	Gamma Ray - Apparent - Down Quadrant - Memory 0.5 ft Average	API

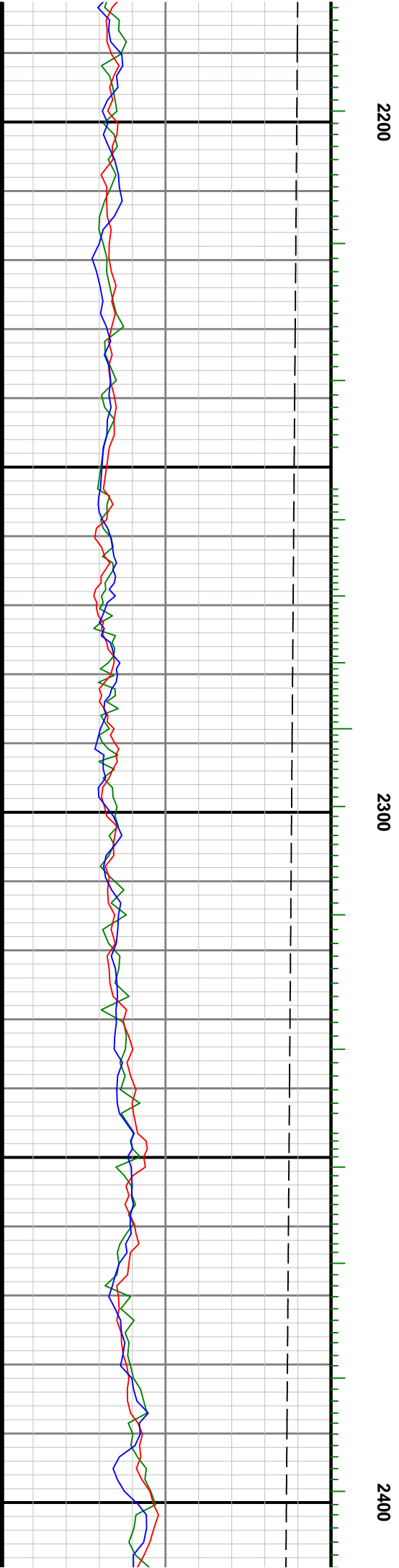
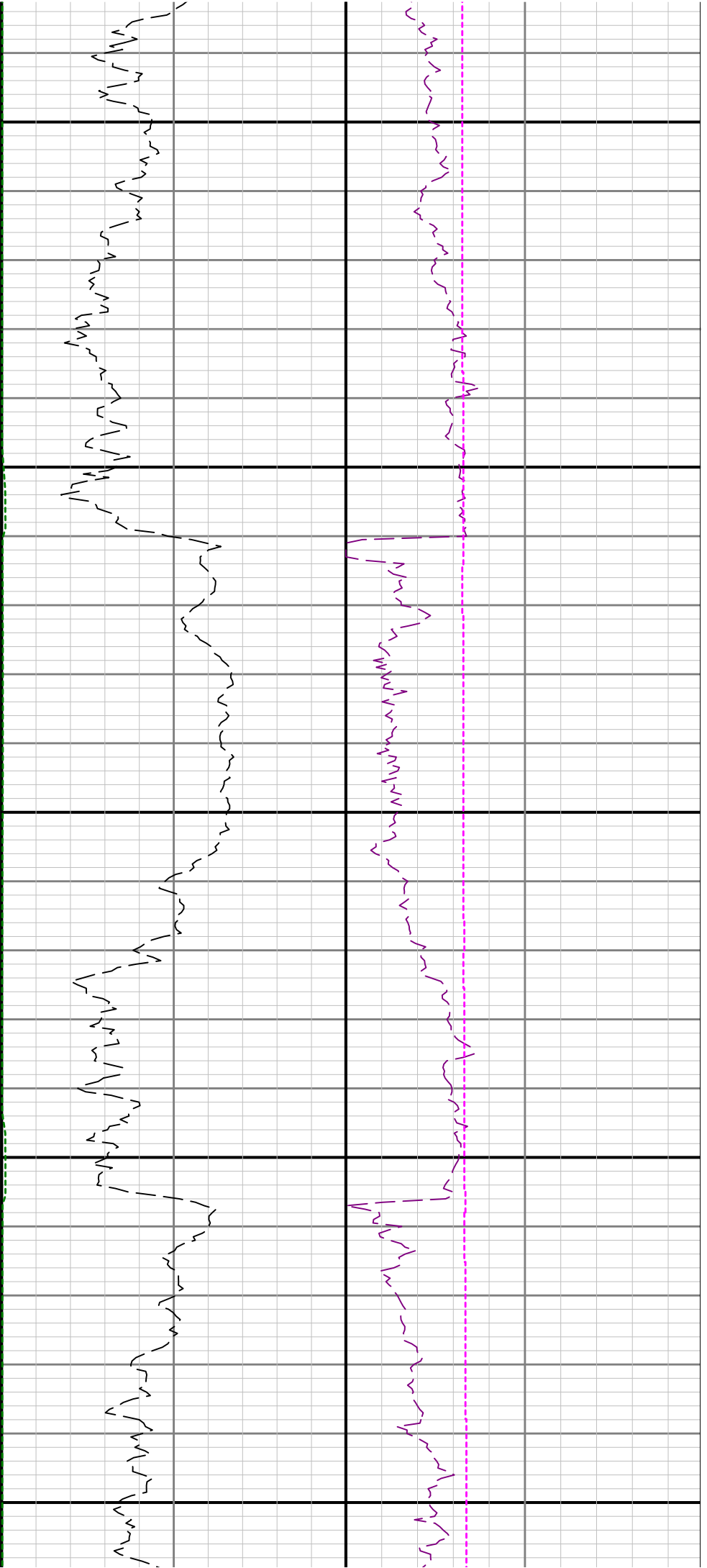
GRAUM	Gamma Ray - Apparent - Up Quadrant - Memory 0.5 ft Average	API
TCDM	Downhole Temperature	degF

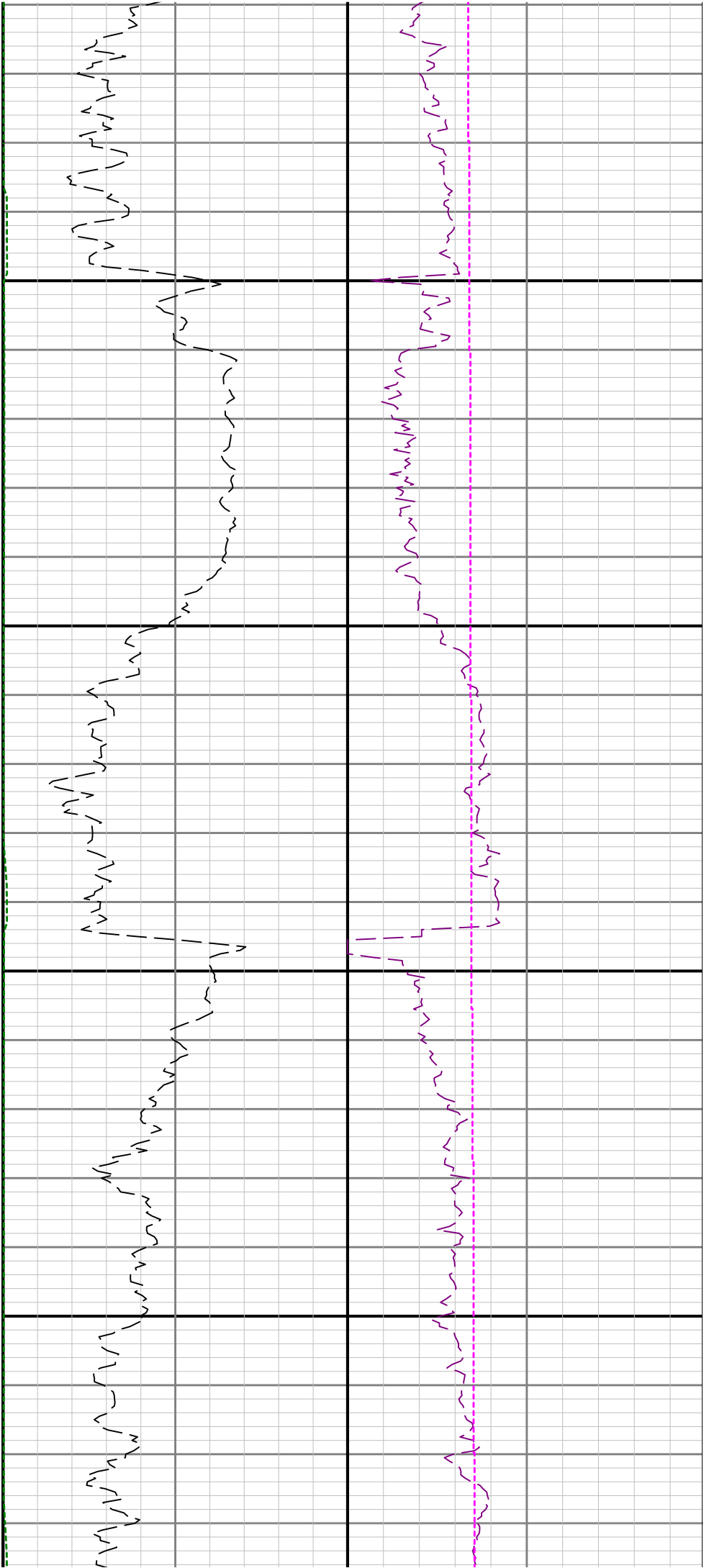
<div><div><div>BAKER HUGHES</div><div>a GE company</div></div><div></div></div>	Company	SRC Energy			
	Well	Goetzel 34C-30-M			
	Interval	Date From:	2017-11-01 20:52:46	Top:	1830.00
		Date To:	2017-11-06 23:57:18	Bottom:	15705.00
	Created	2017-11-07 23:15:46			

Gamma Ray - Apparent 0.5 ft Average GRAM	MD 1:240 feet	Gamma Time Since Drilled GRTM	Weight On Bit, Average 1 ft Average WOBA
0 300		0 600	0 50
API		min	klb
Azimuthal Gamma Ray - Apparent - Up Quadrant 0.5 ft Average GRAUM		Depth Averaged ROP 3 ft Average ROPA	Downhole Temperature TCDM
0 300		1000 0	0 300
API		ft/h	degF
Azimuthal Gamma Ray - Apparent - Down Quadrant 0.5 ft Average GRADM			
0 300			
API			
True Vertical Depth TVD			
7500 1500			
ft			



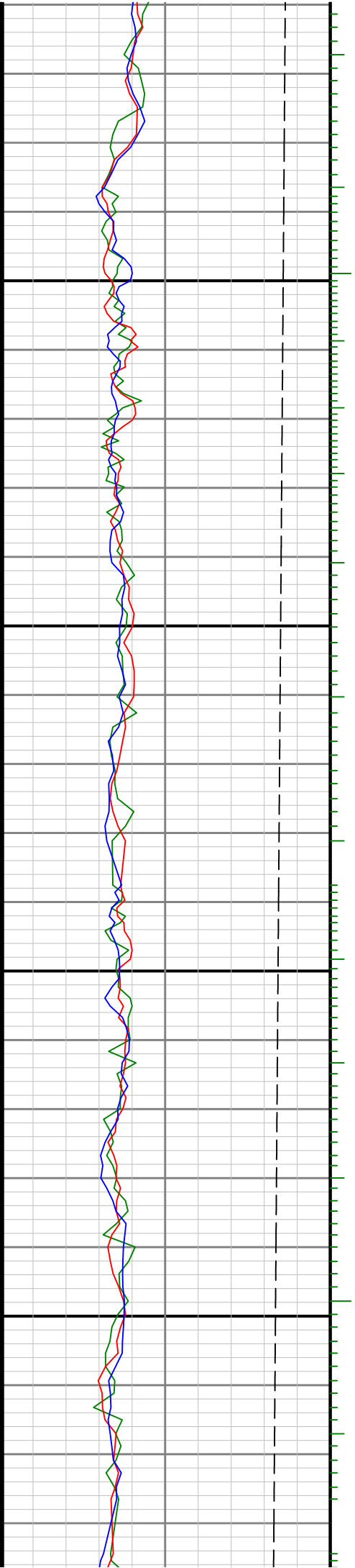


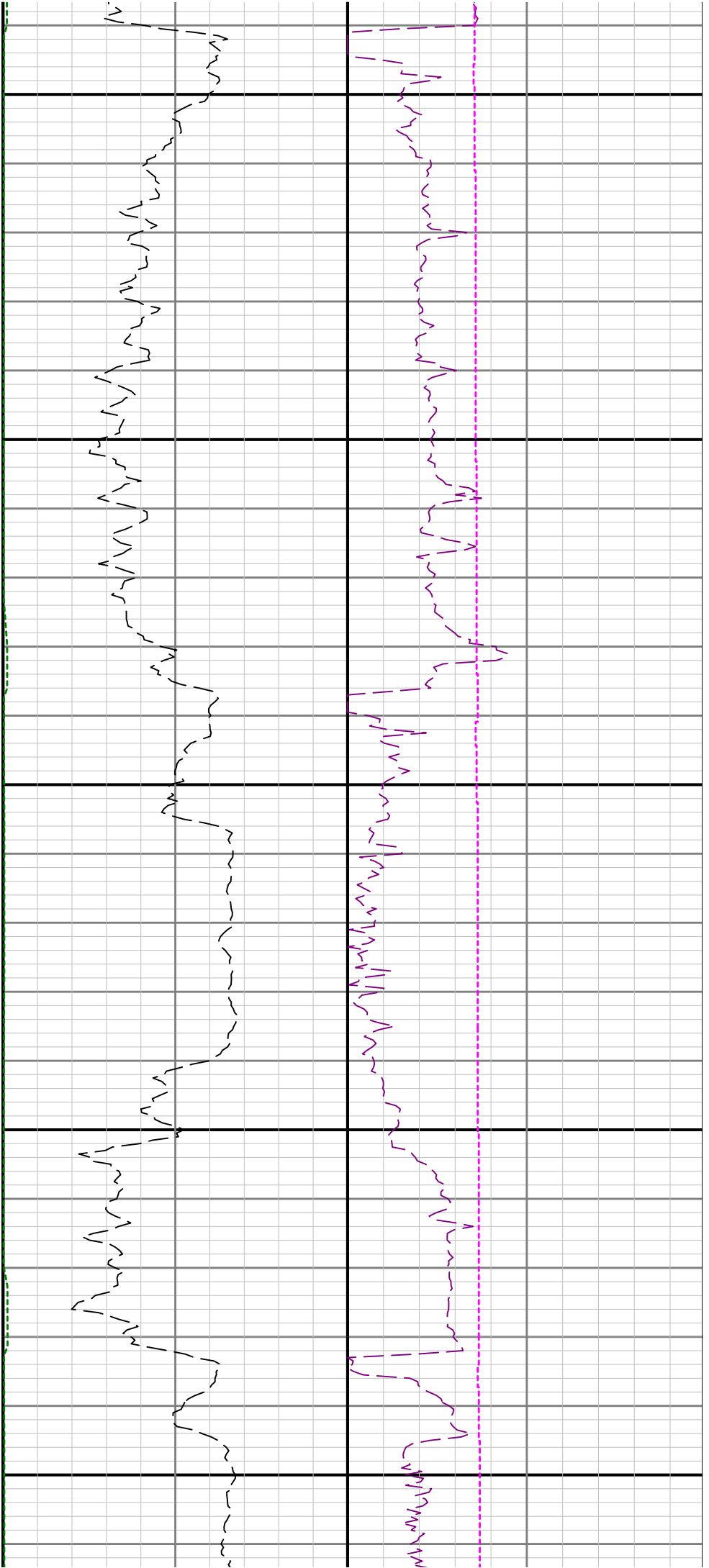




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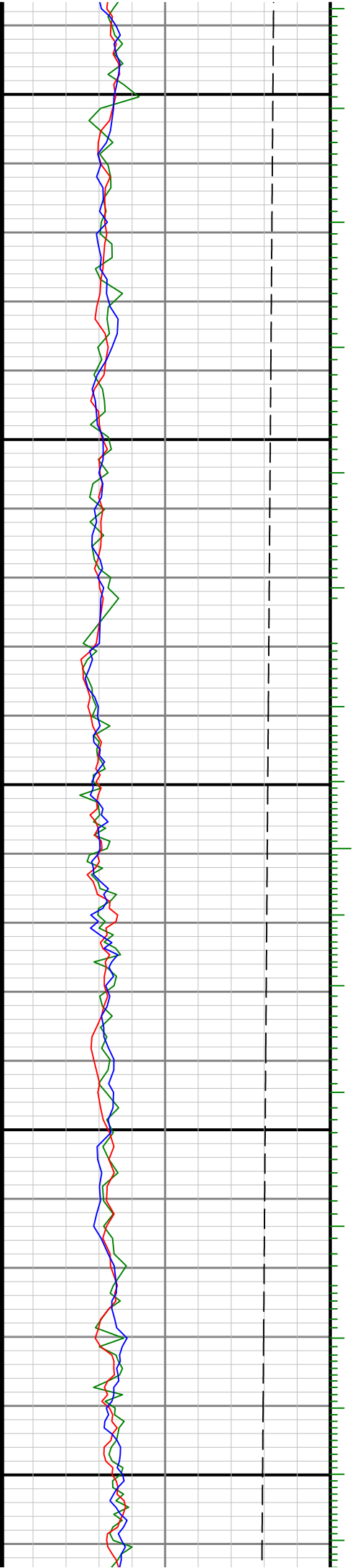
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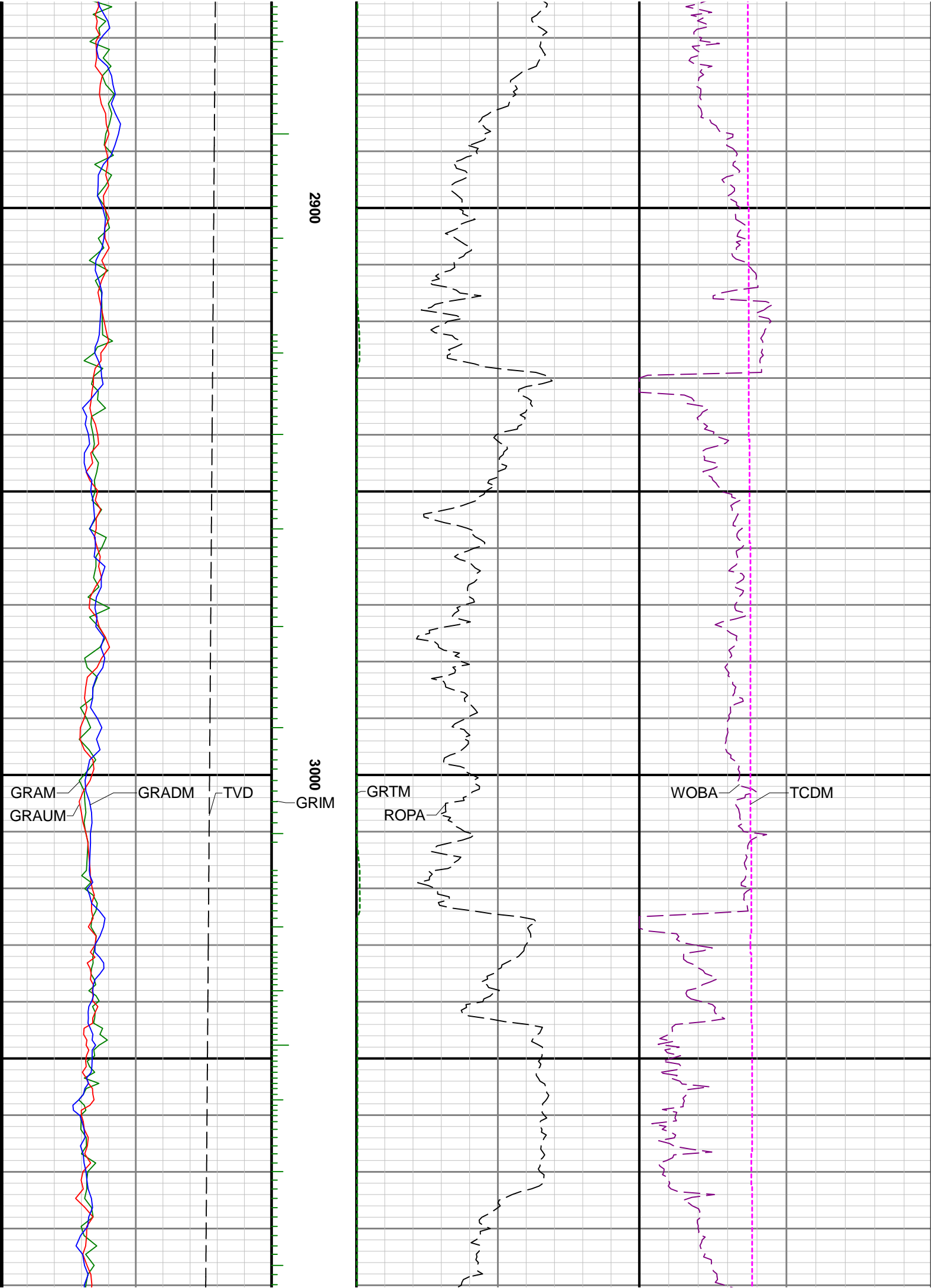


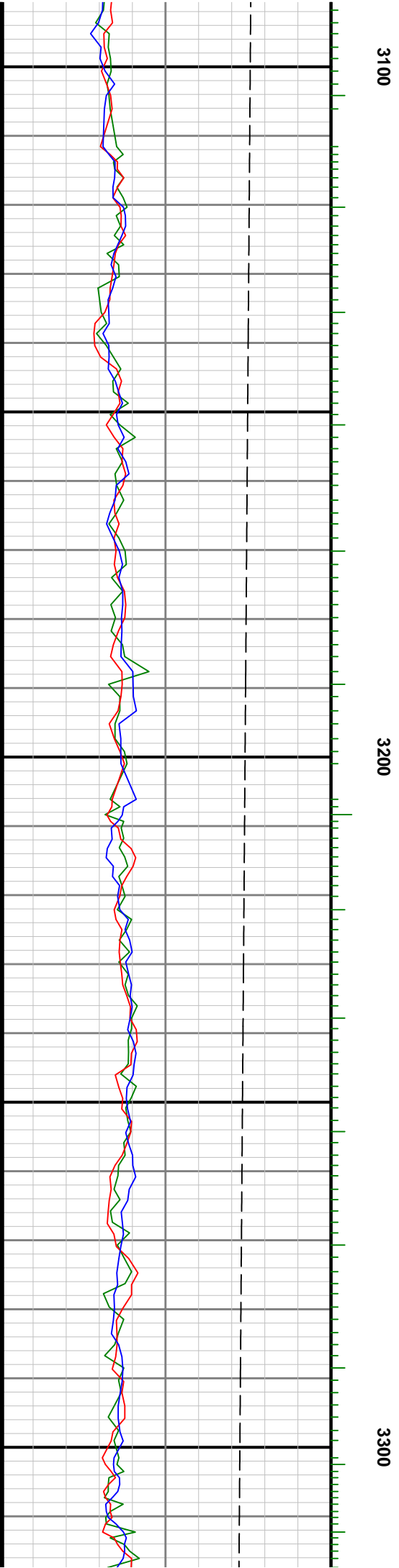
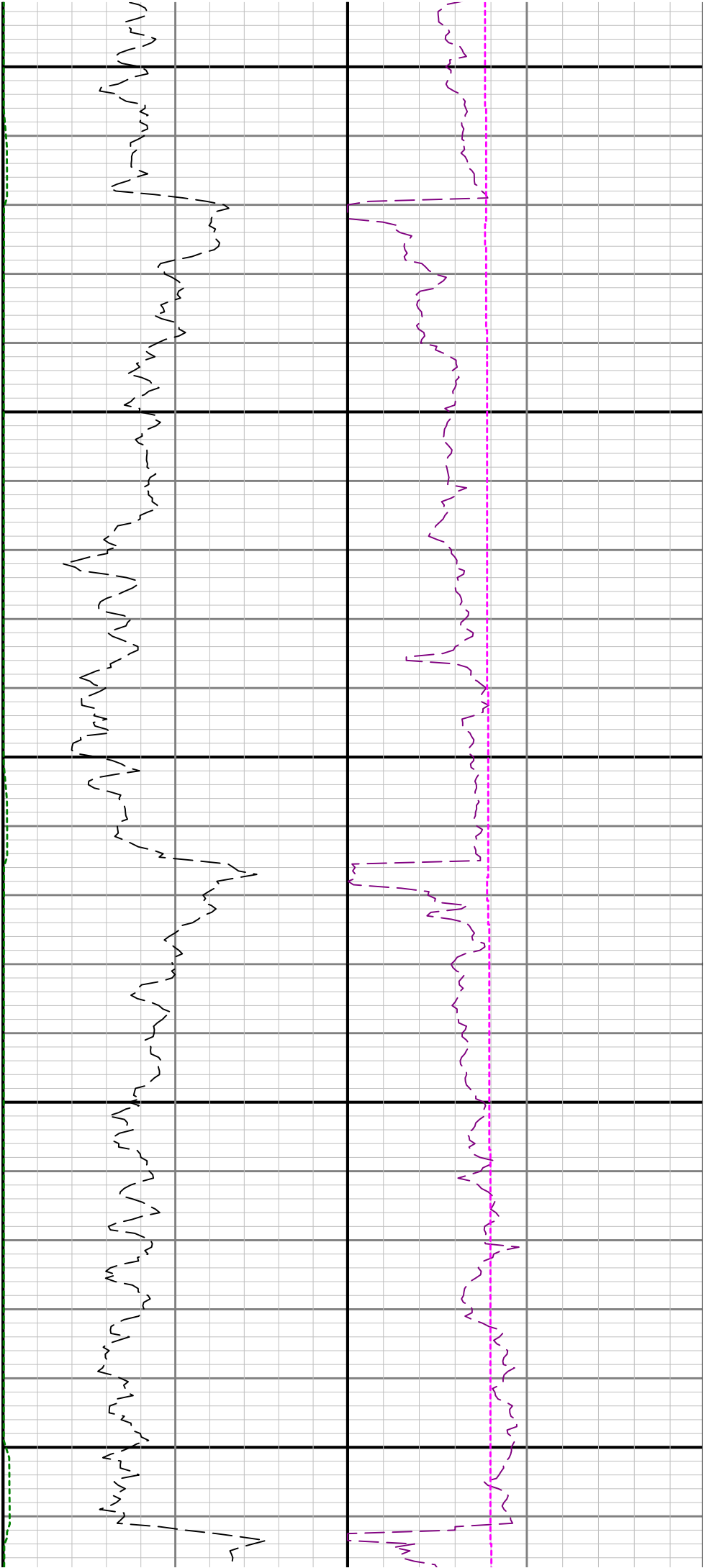


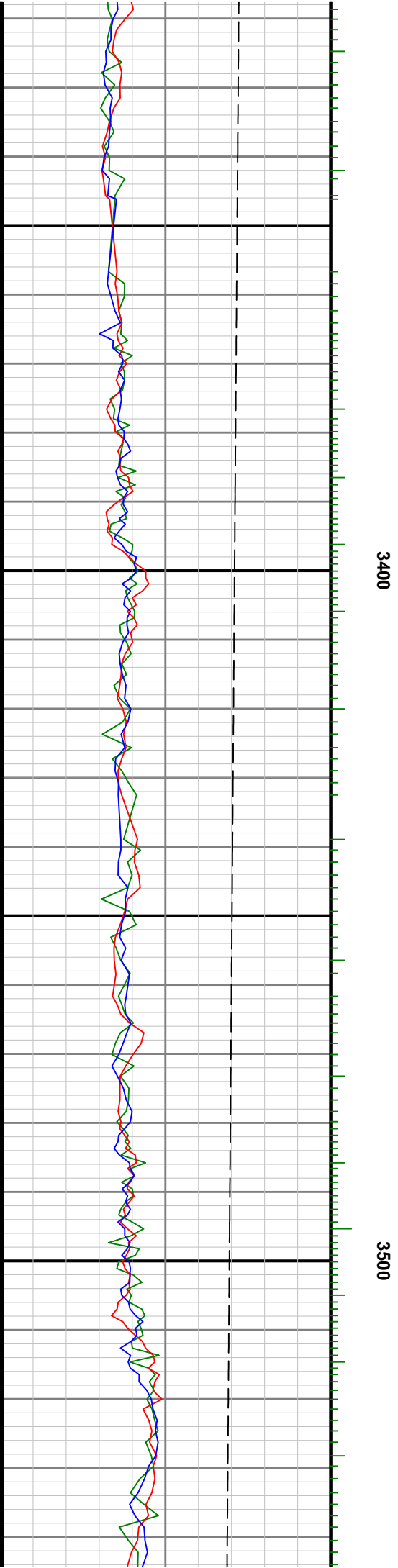
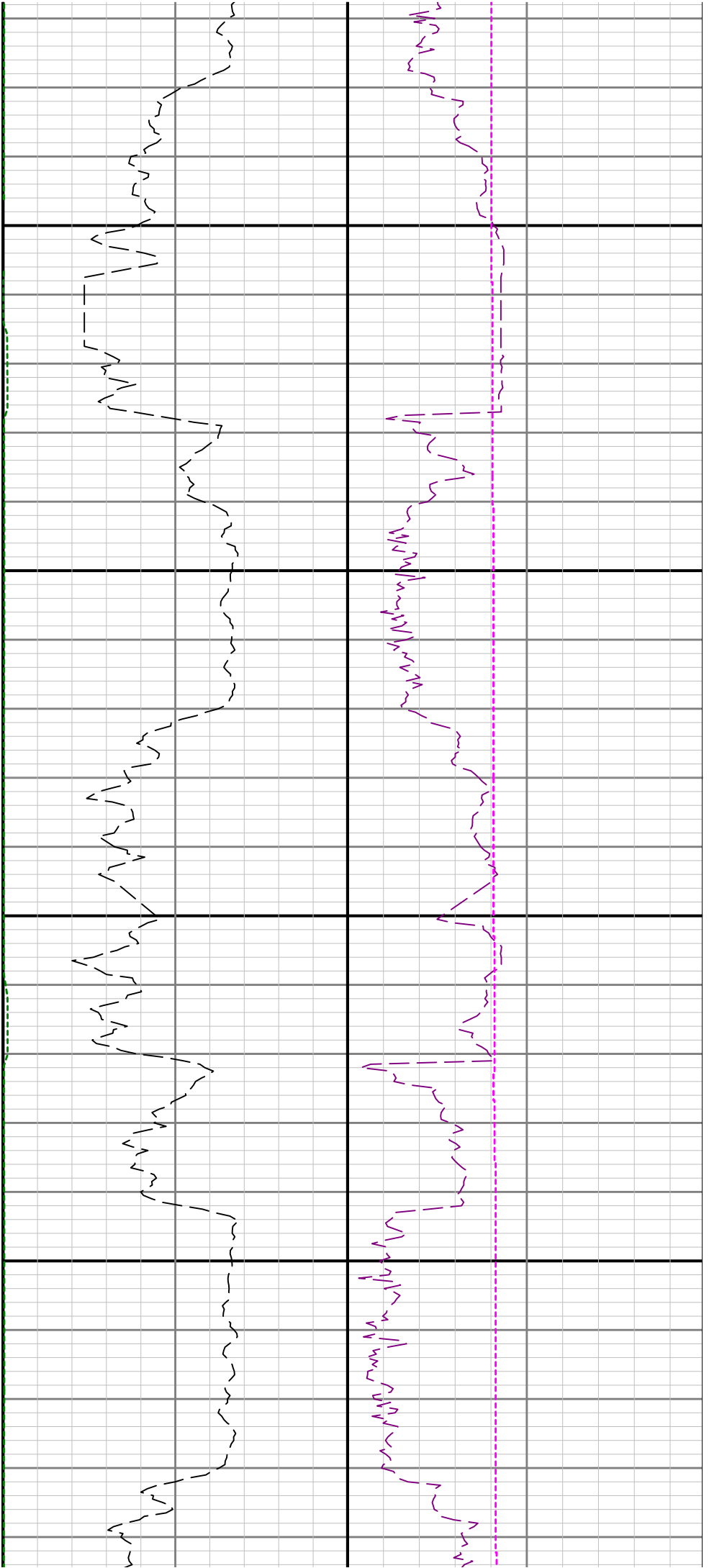
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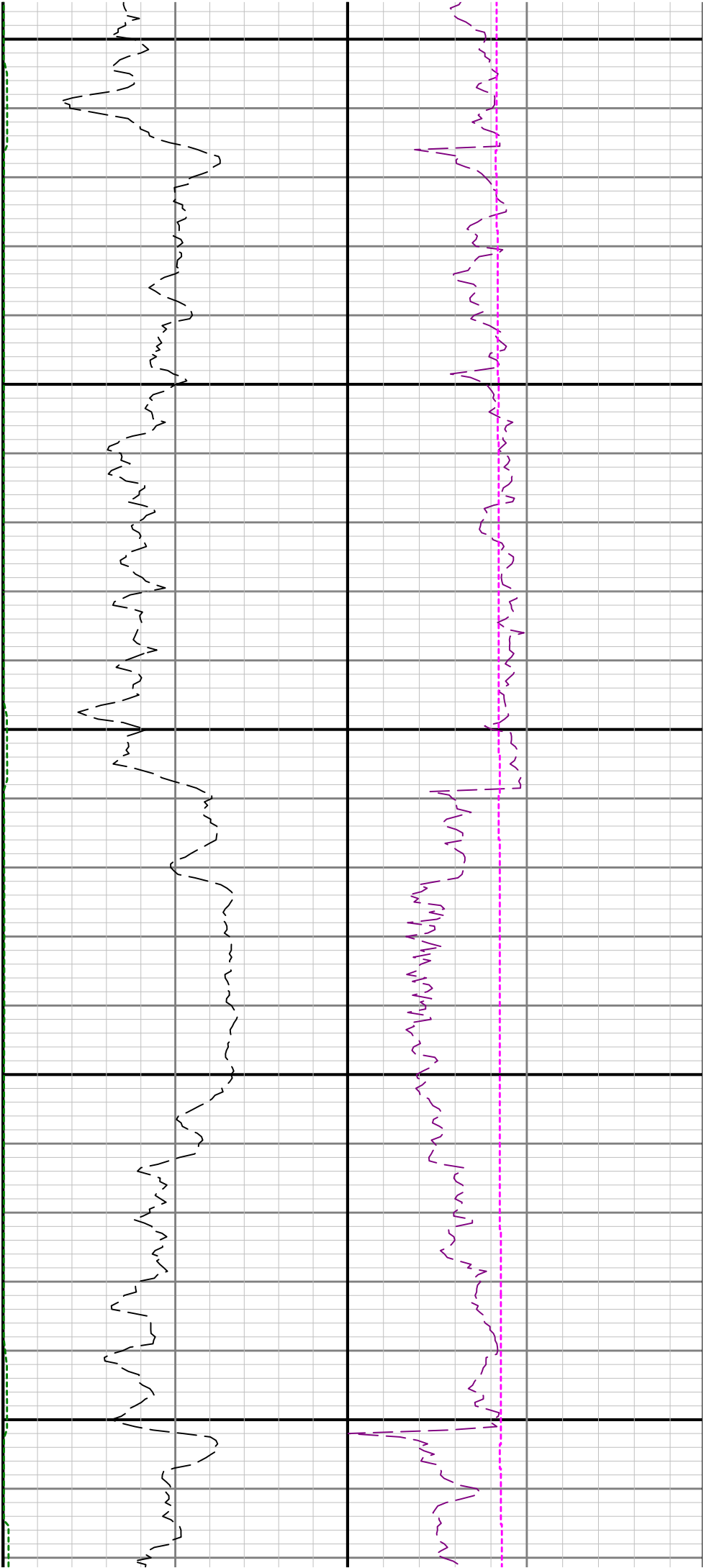
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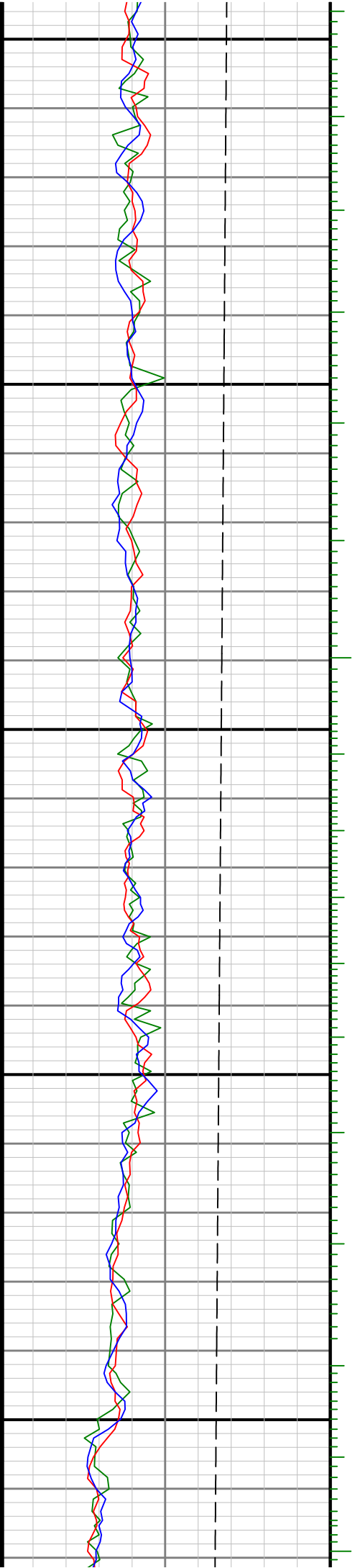


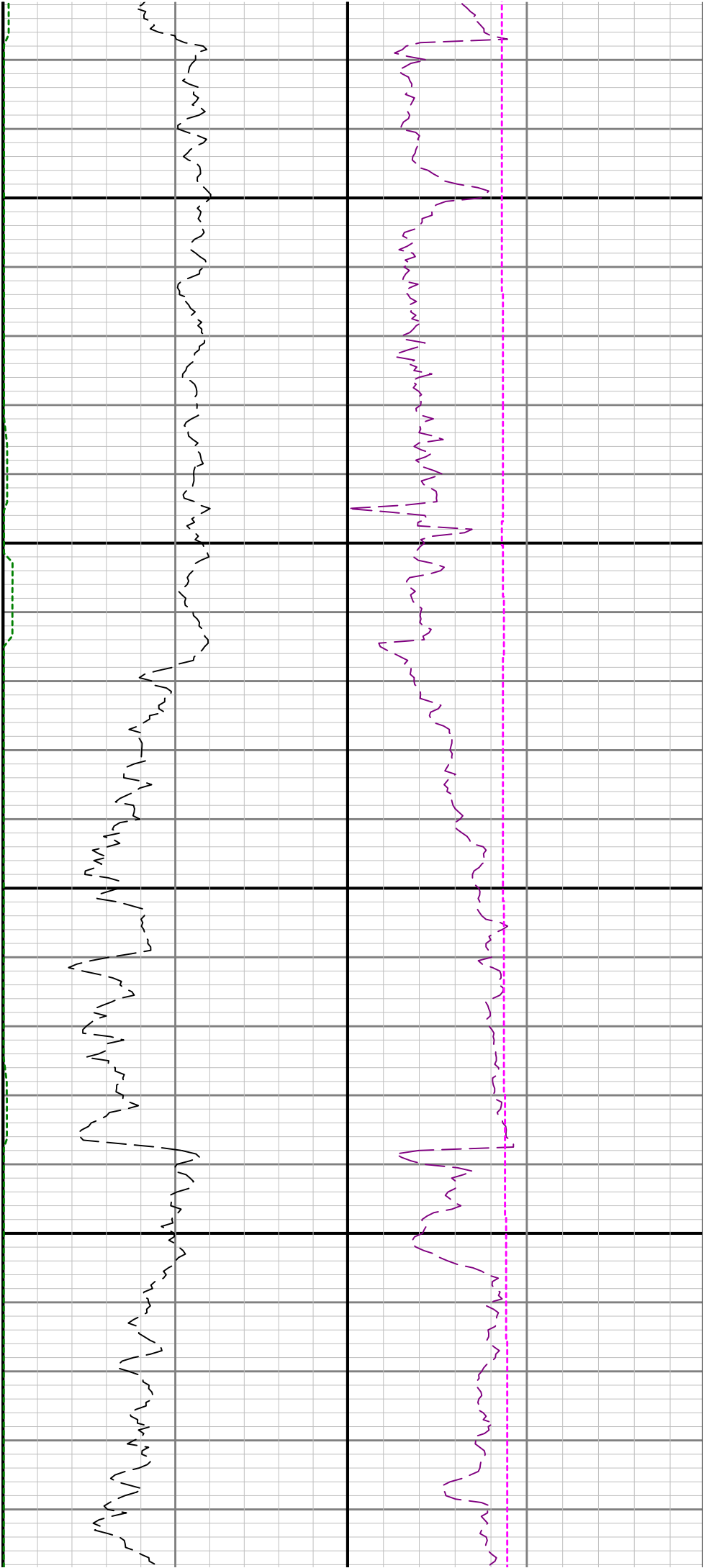




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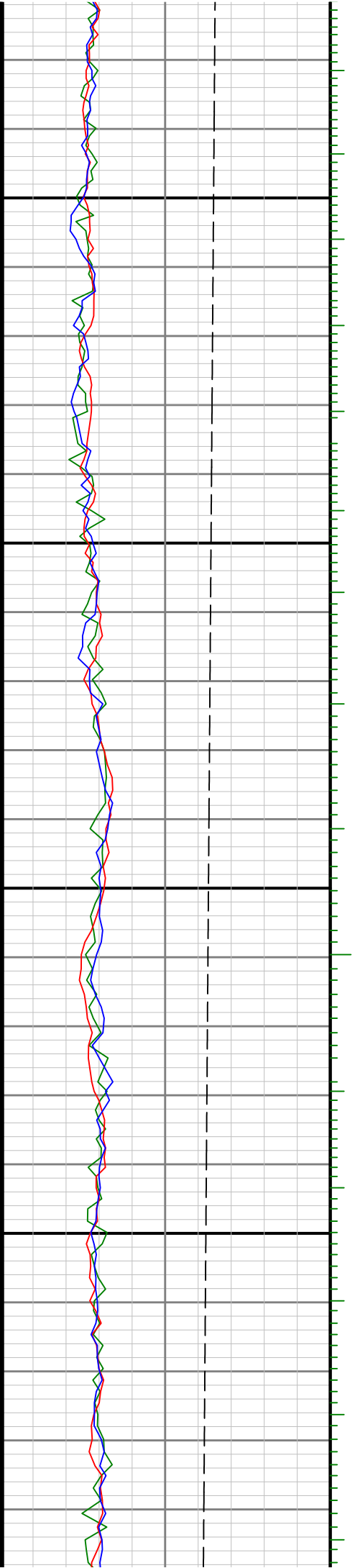


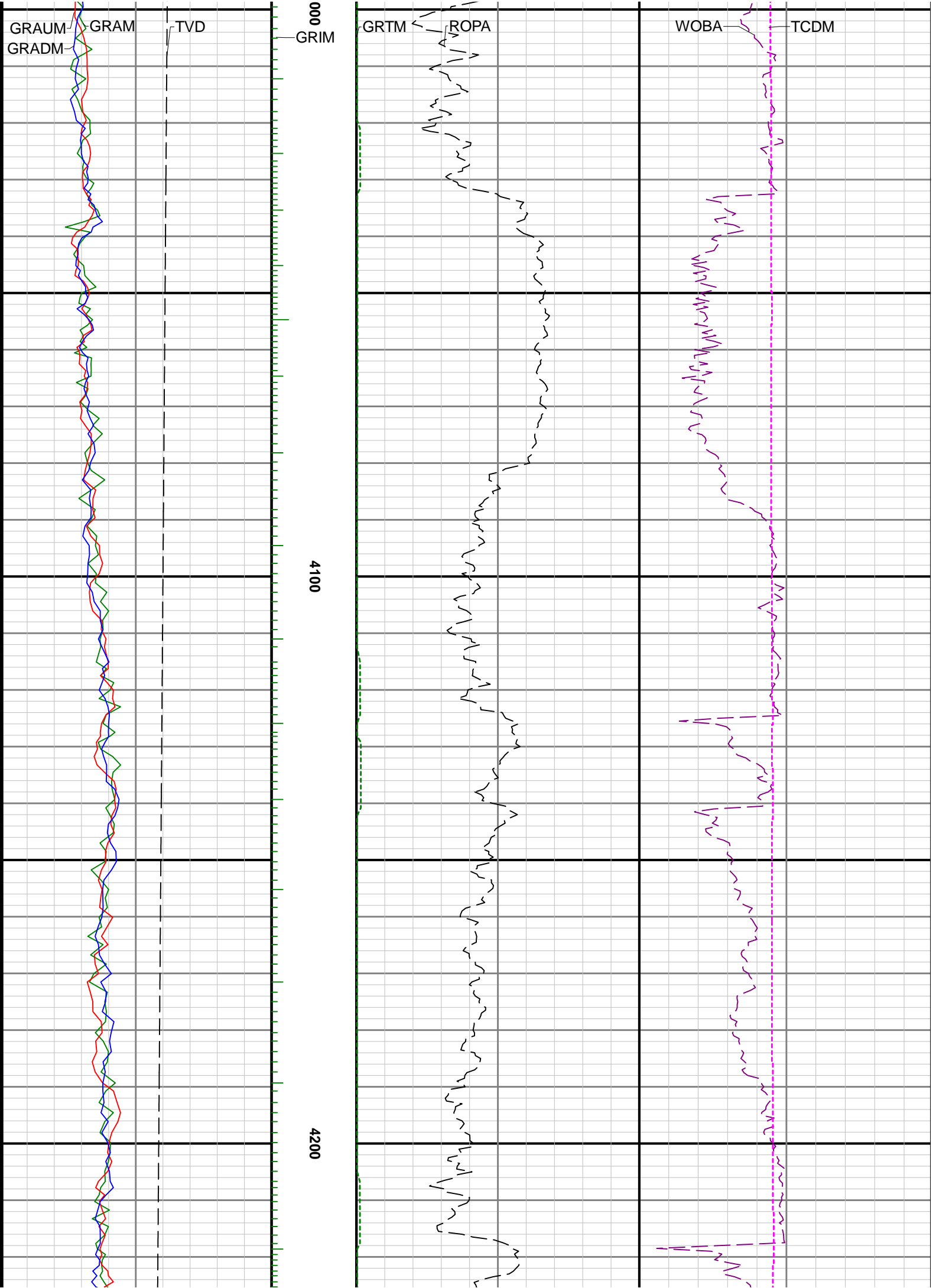


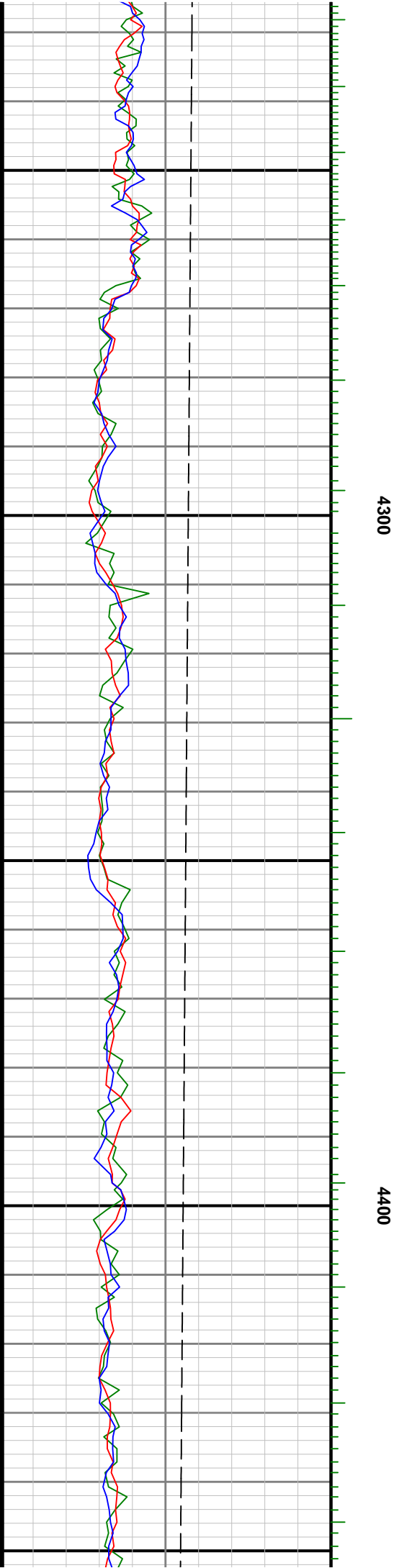
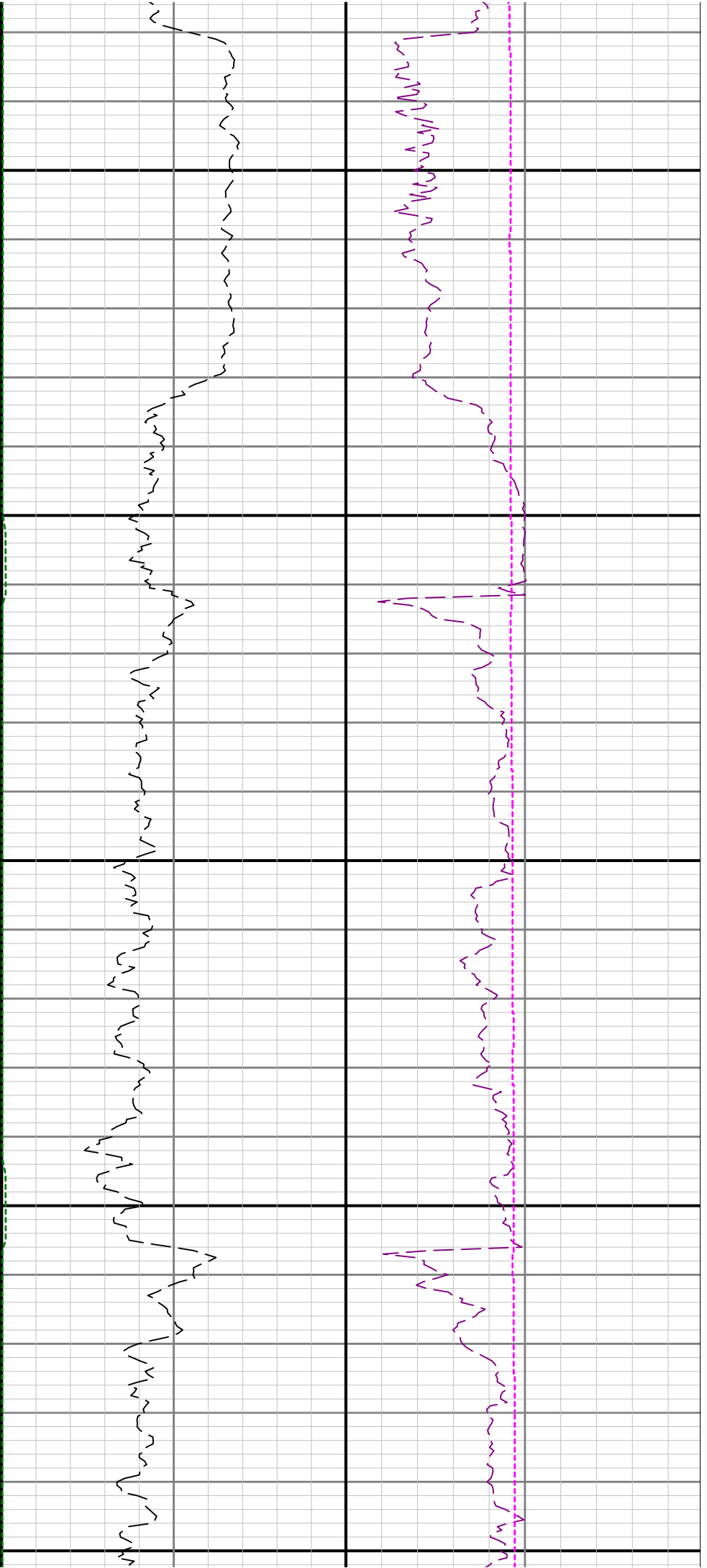
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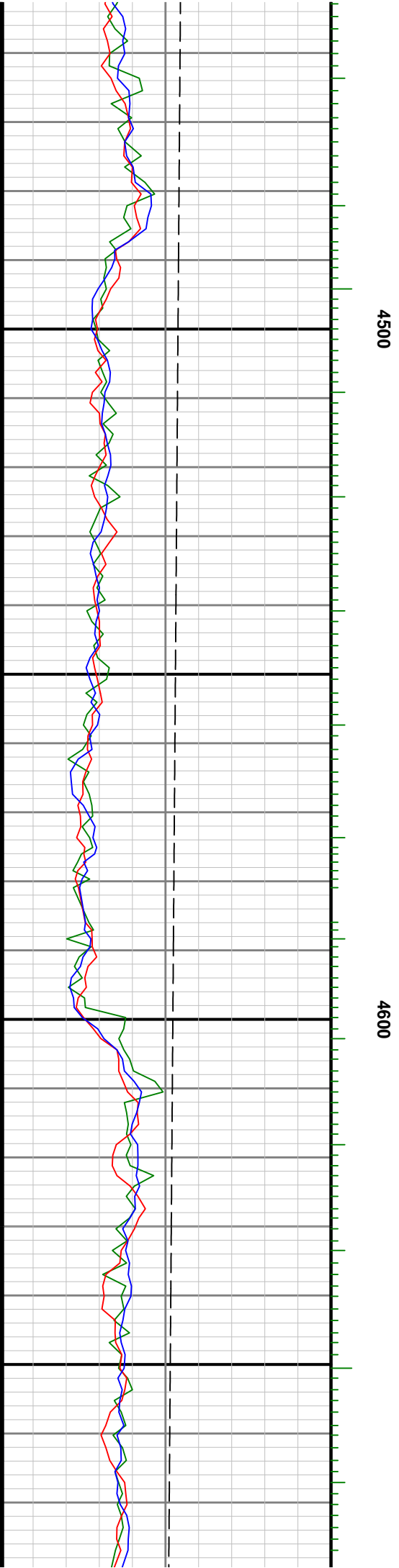
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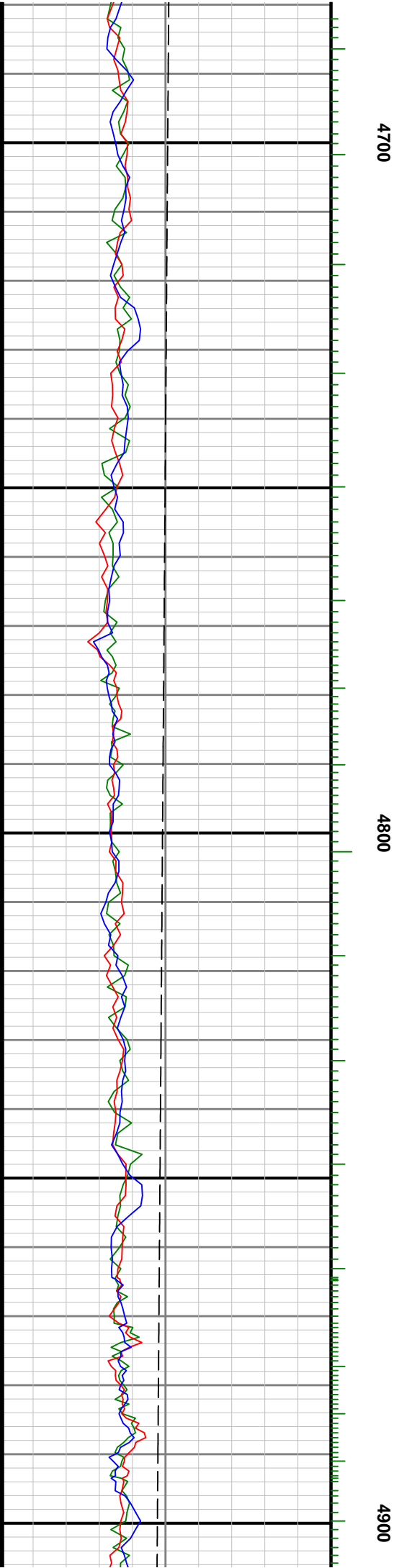
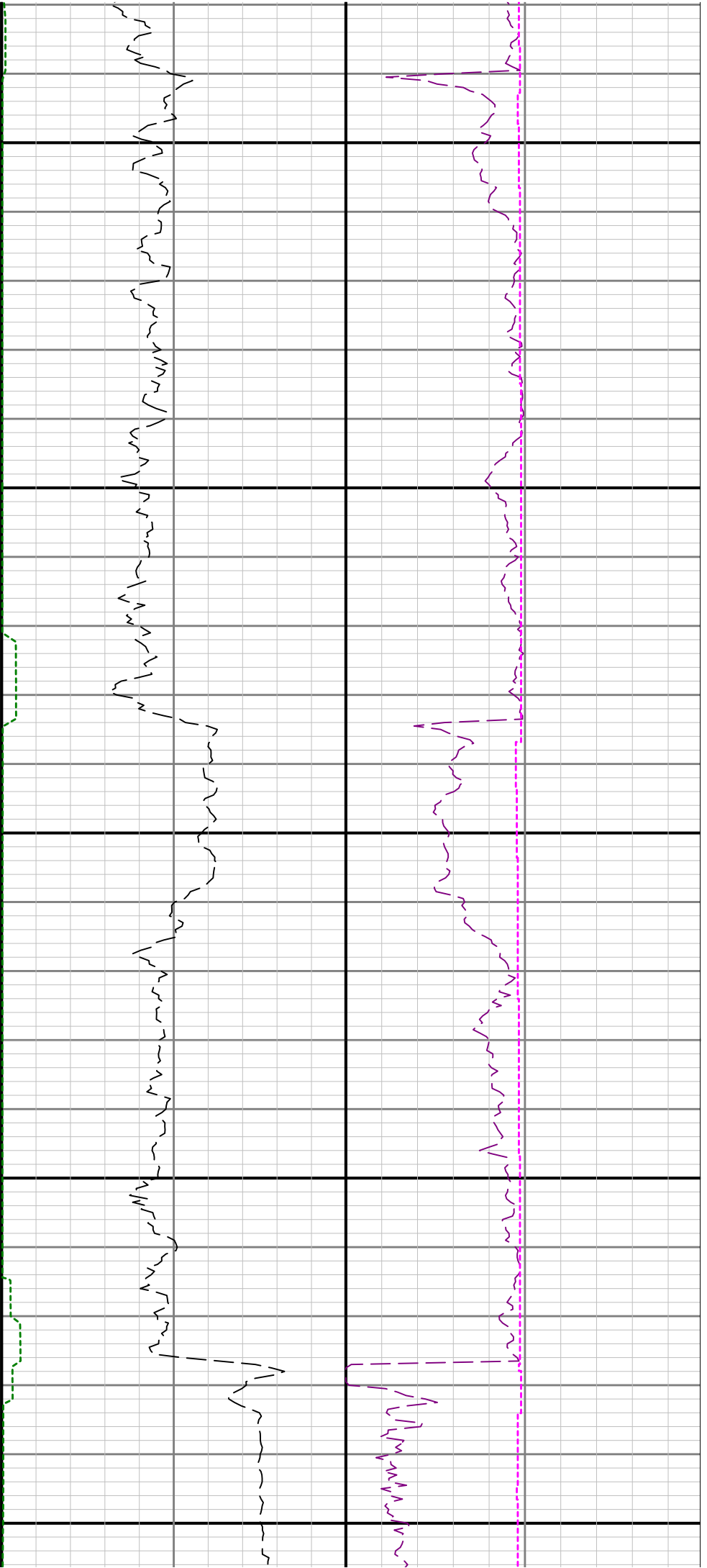
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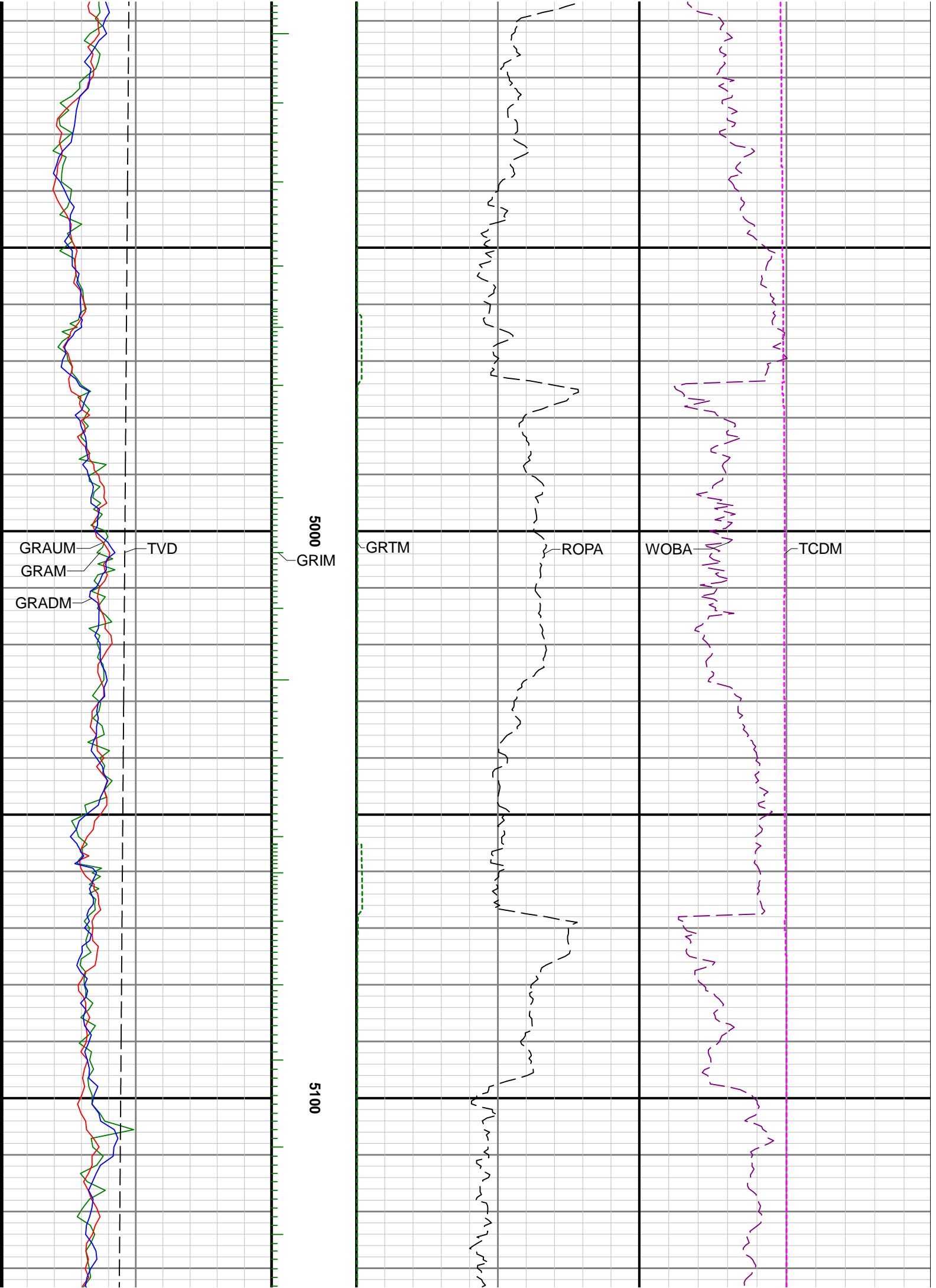


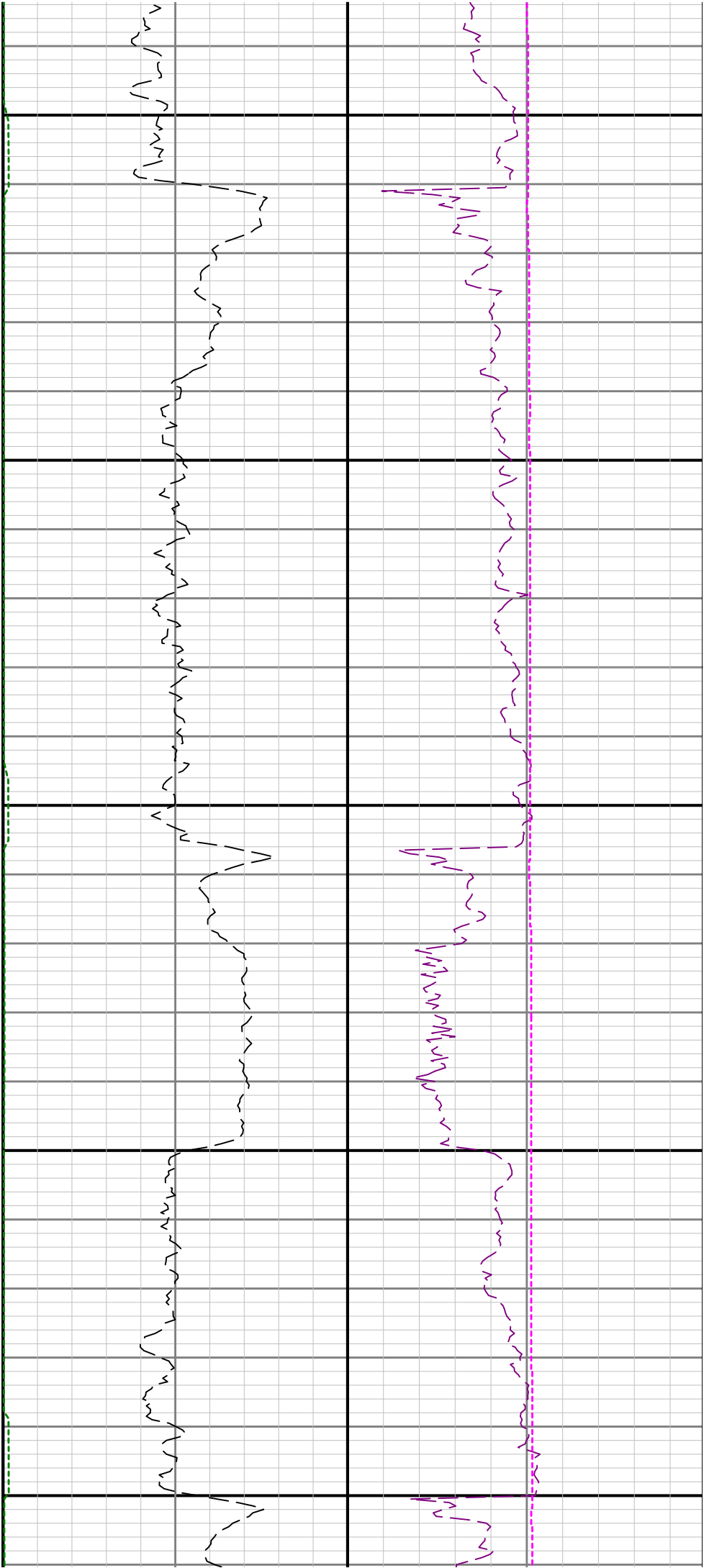






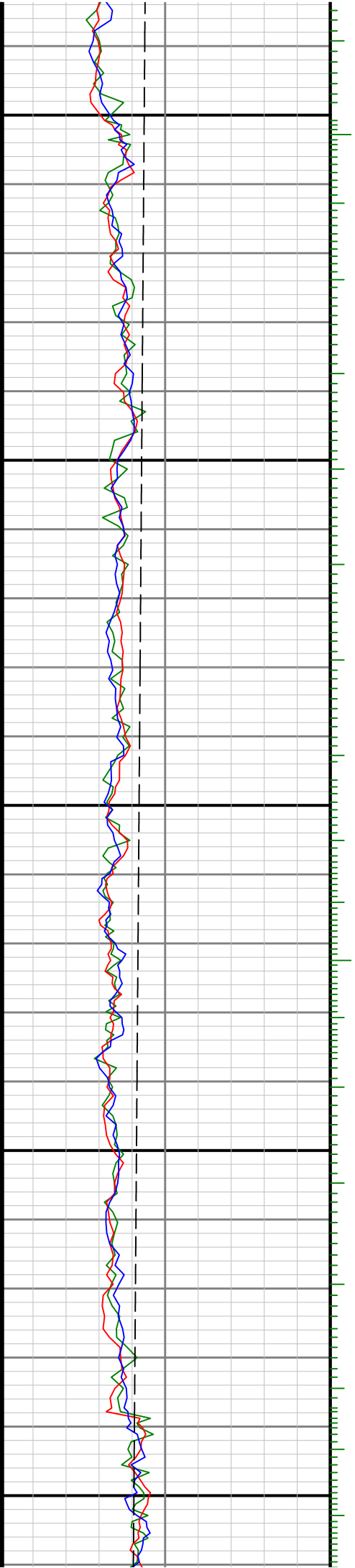


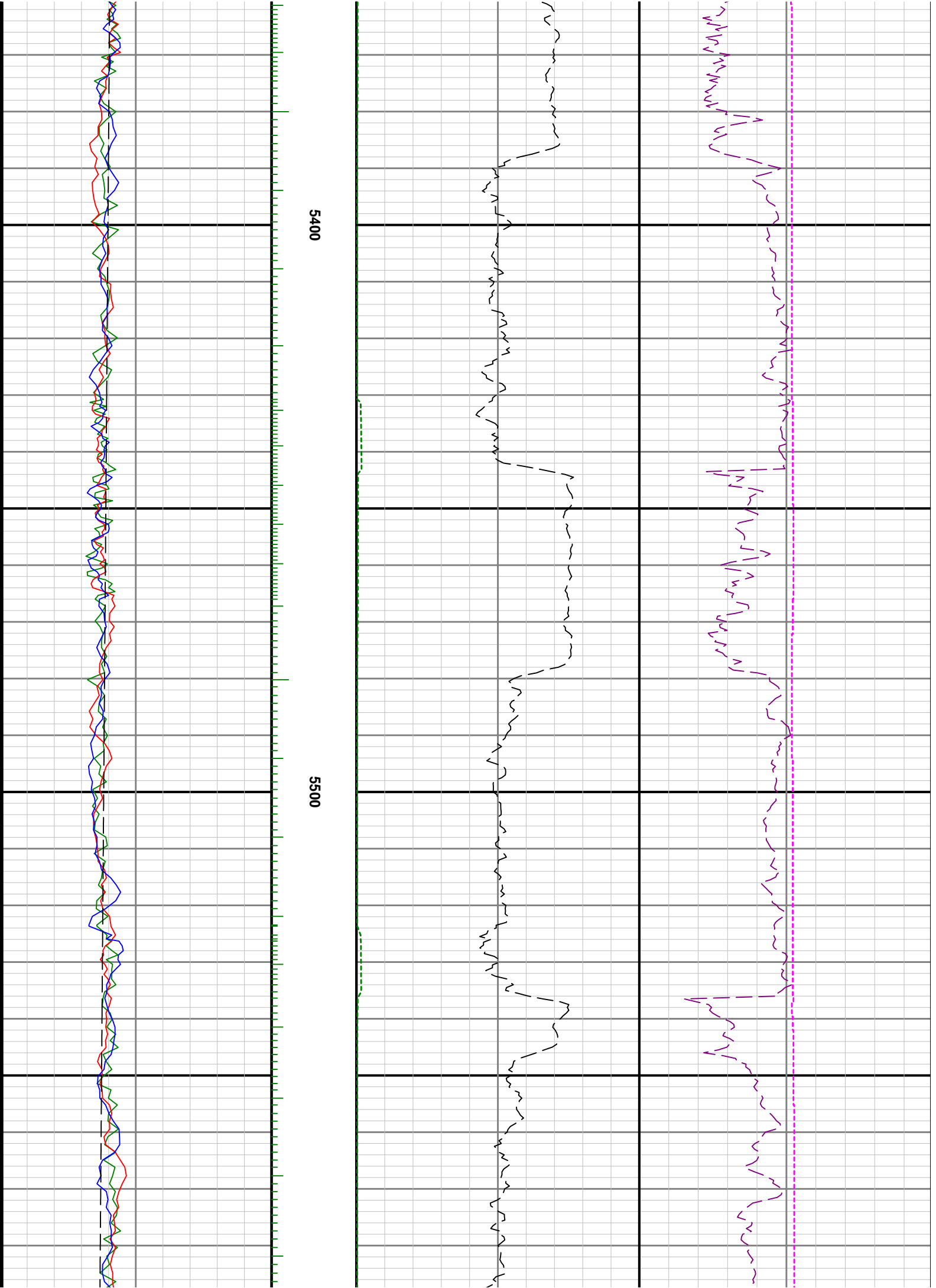


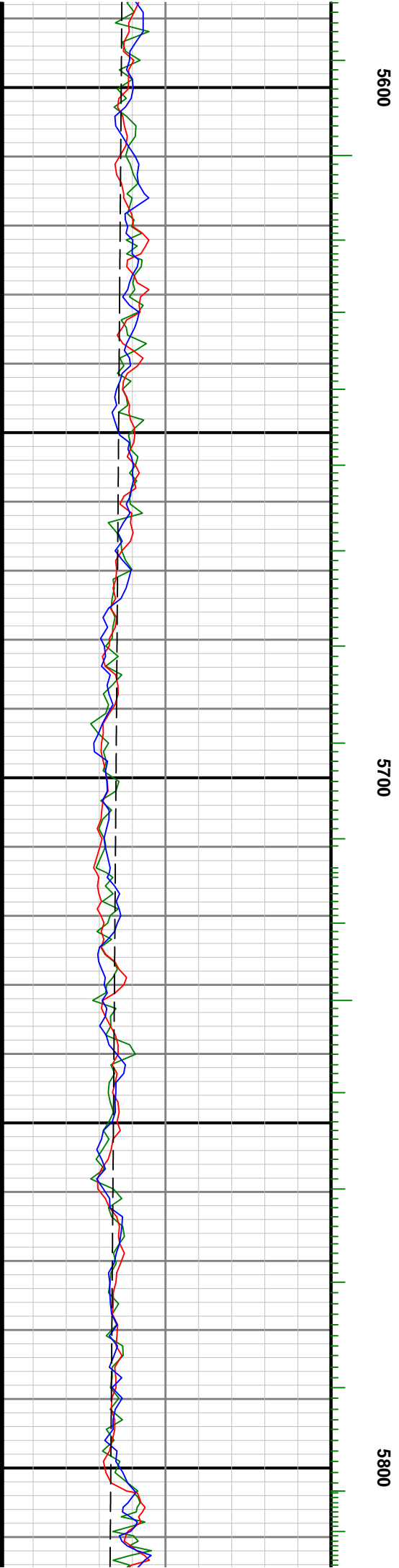
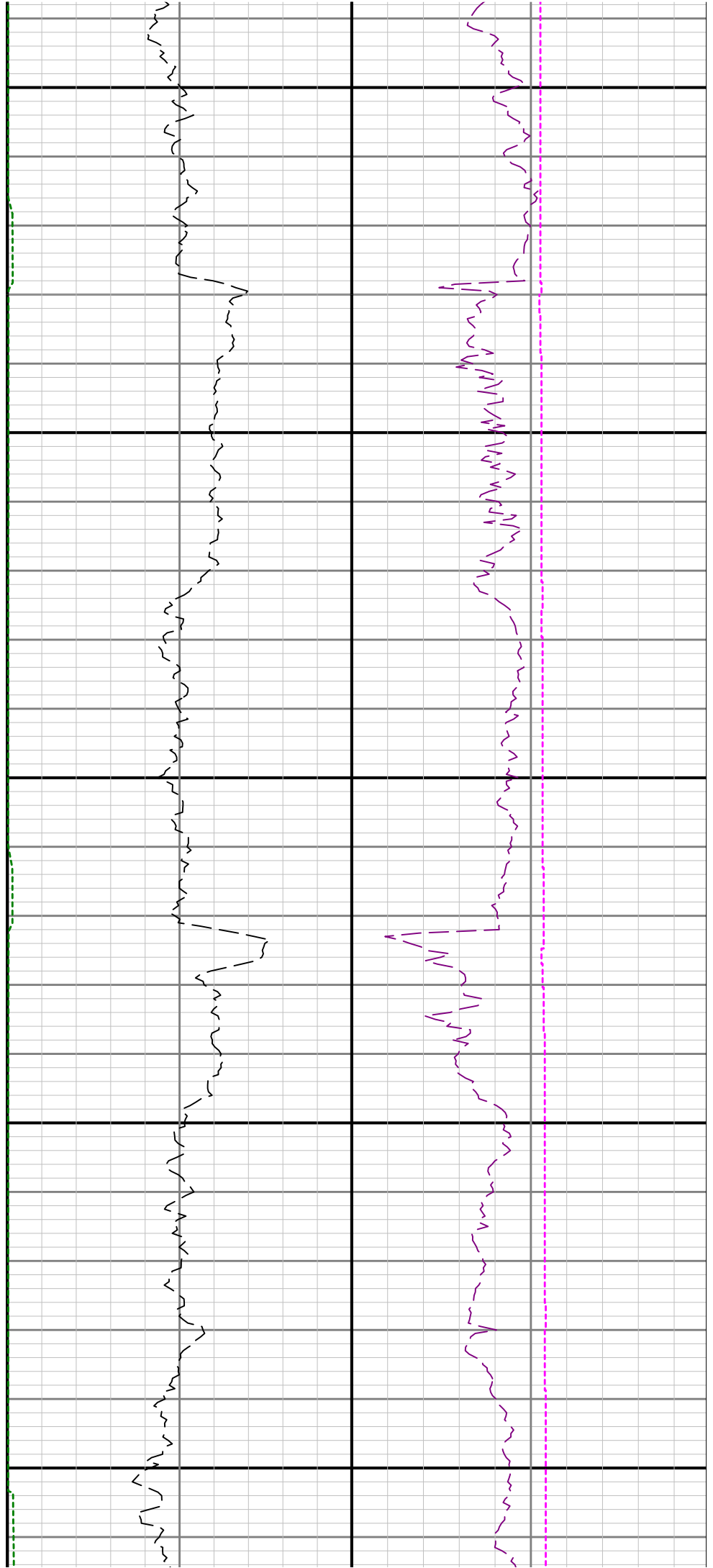


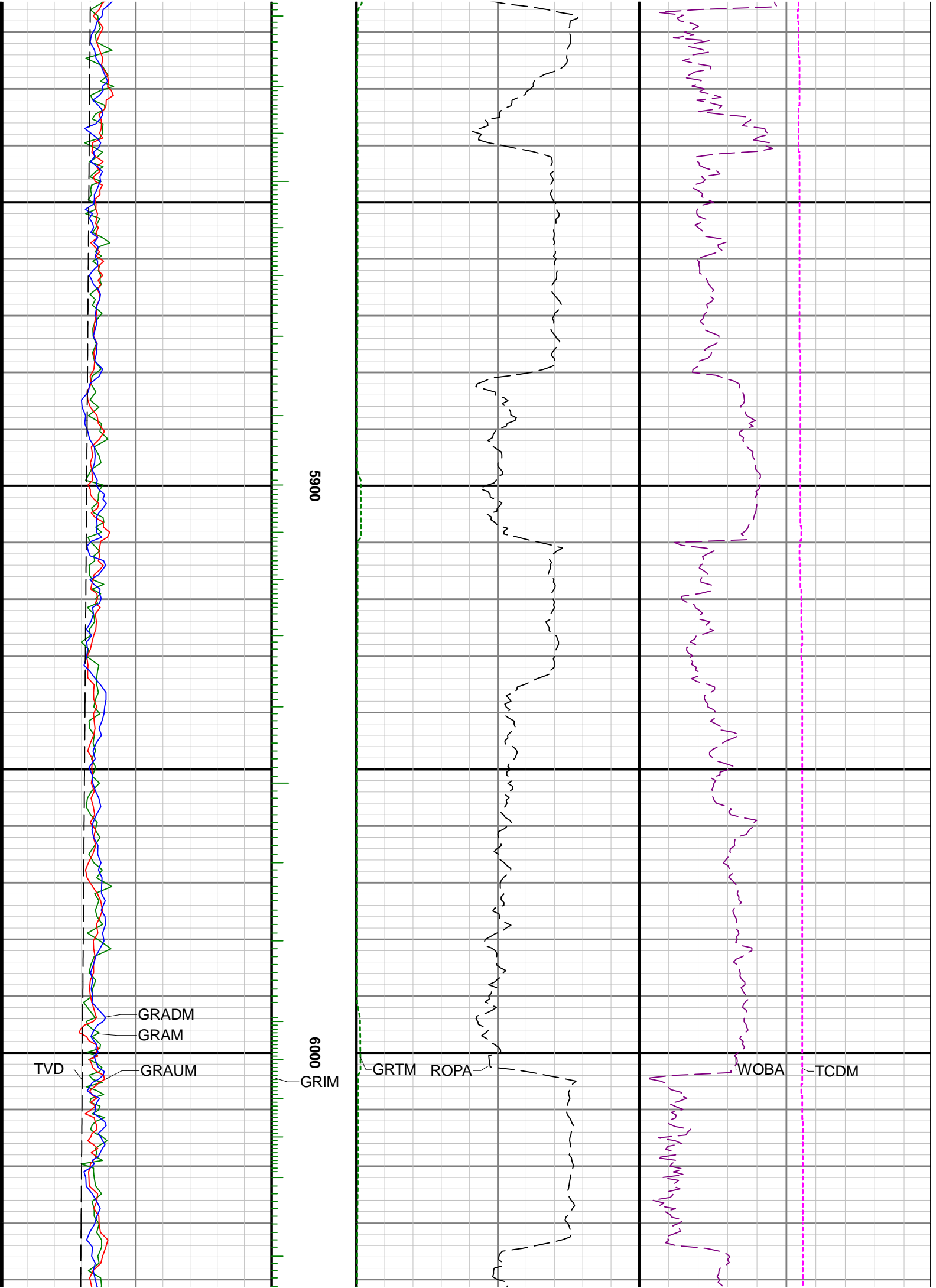
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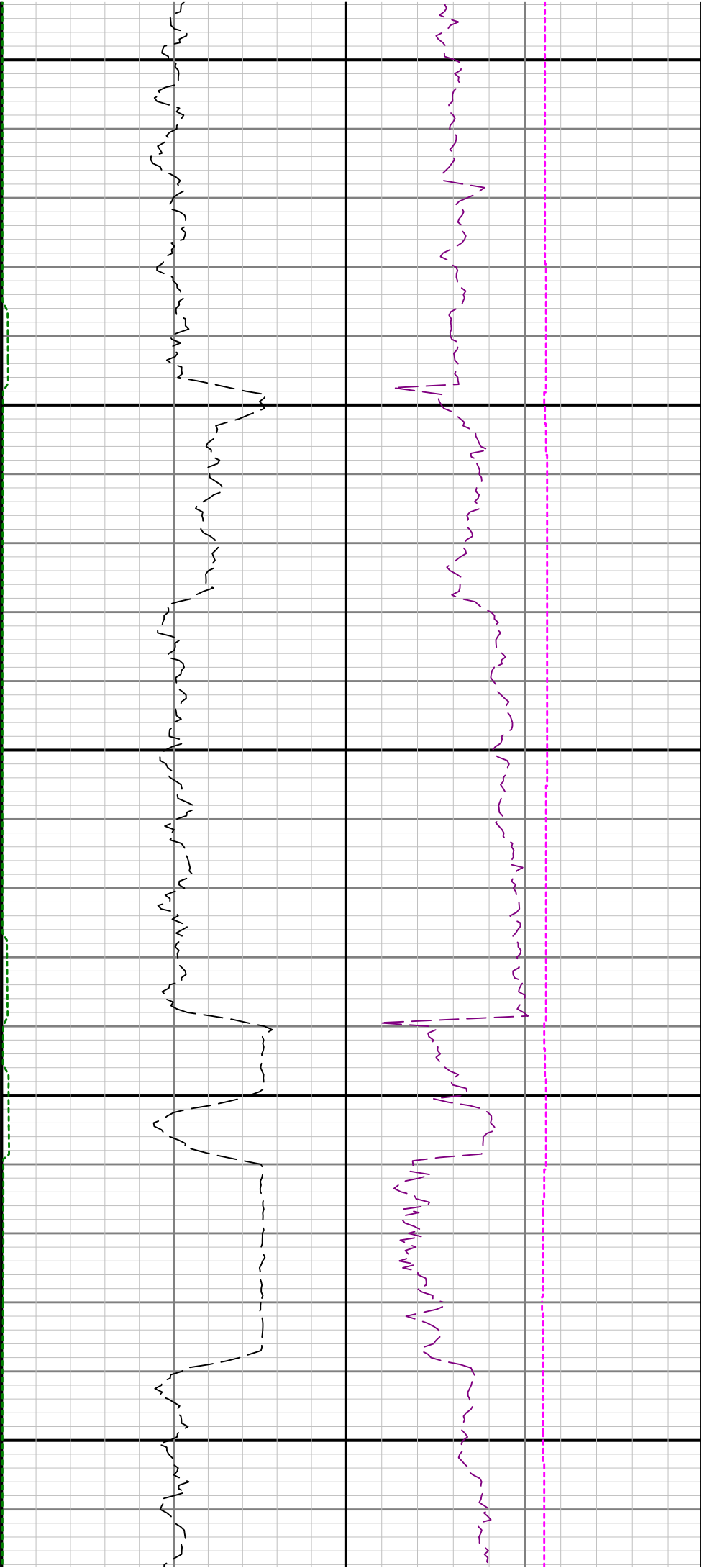
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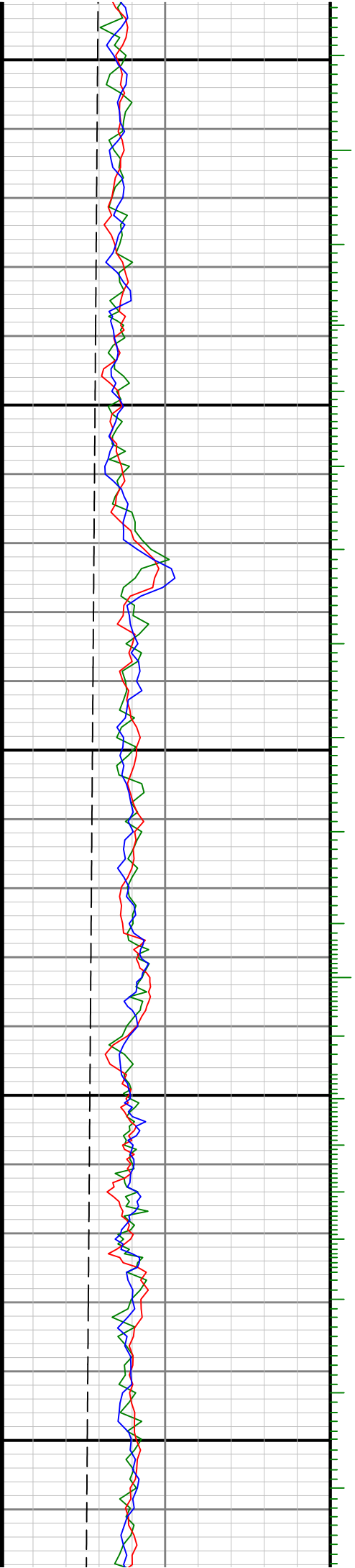


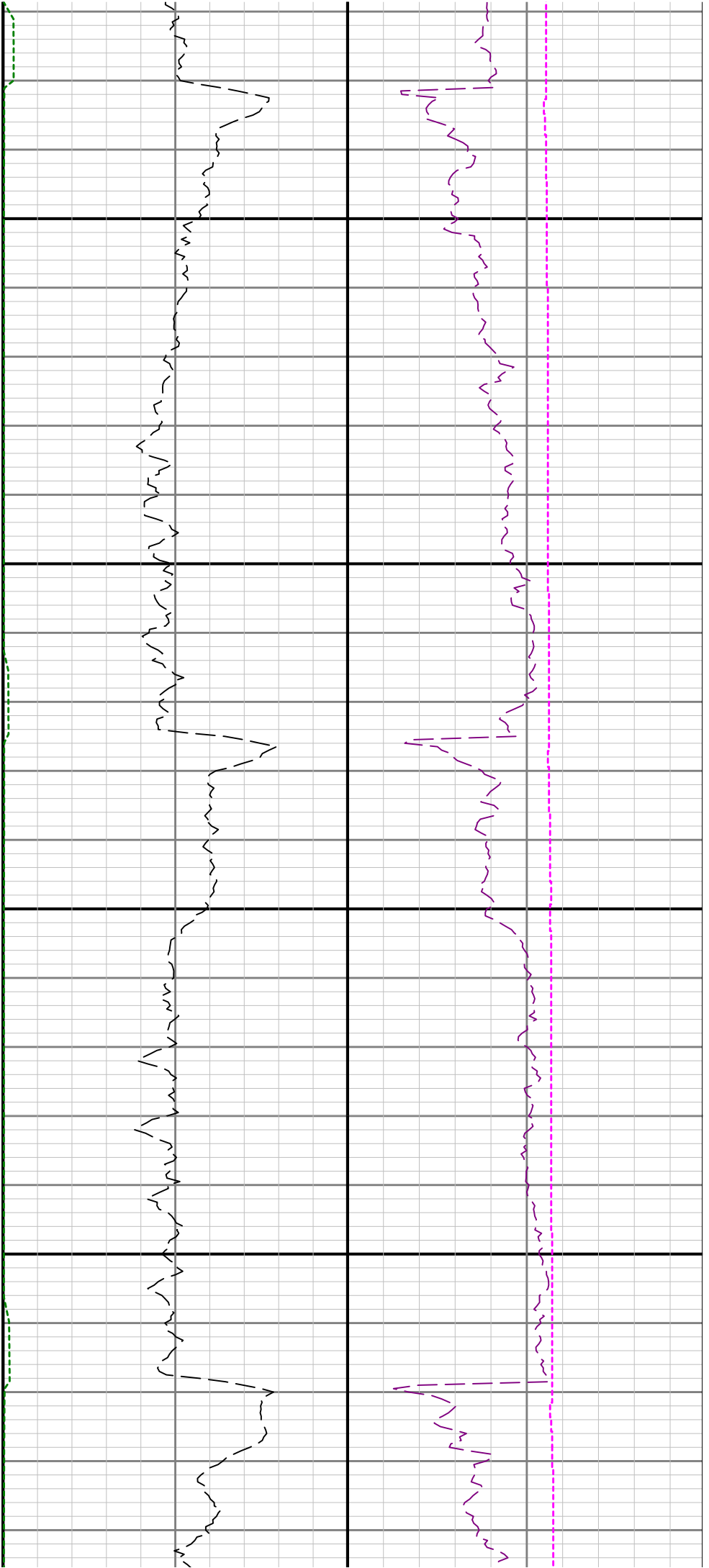




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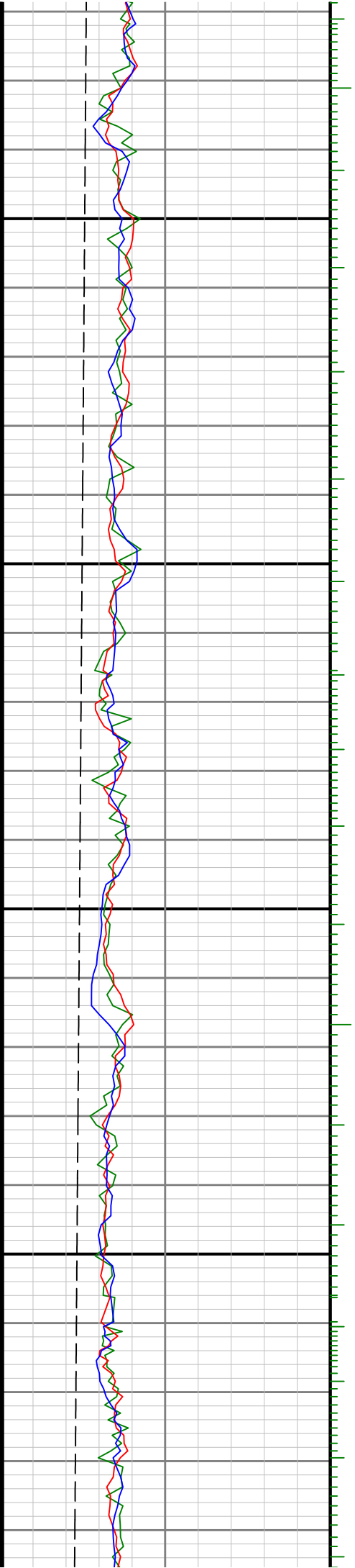
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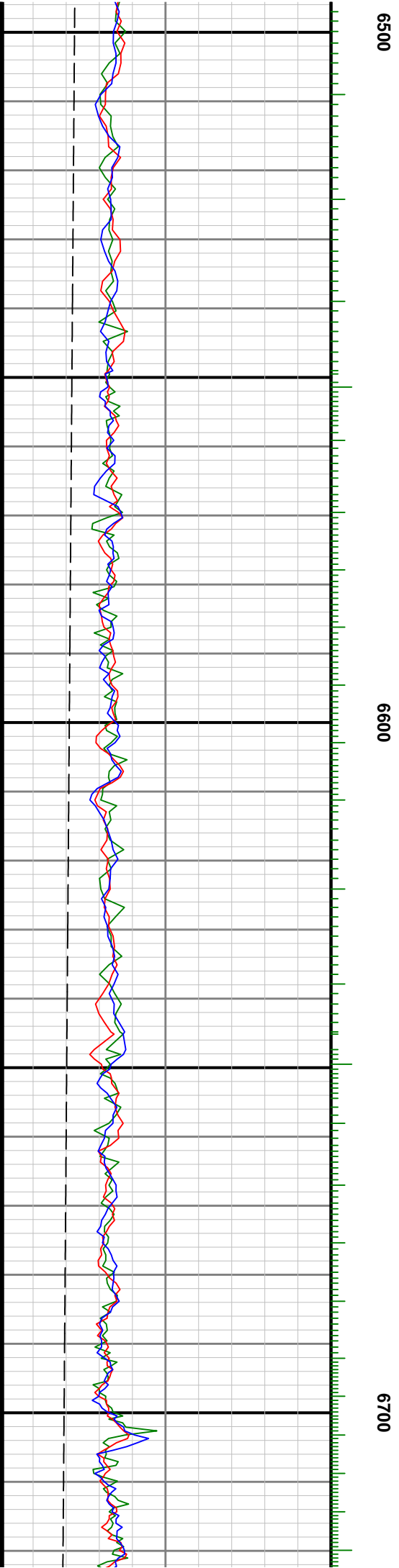
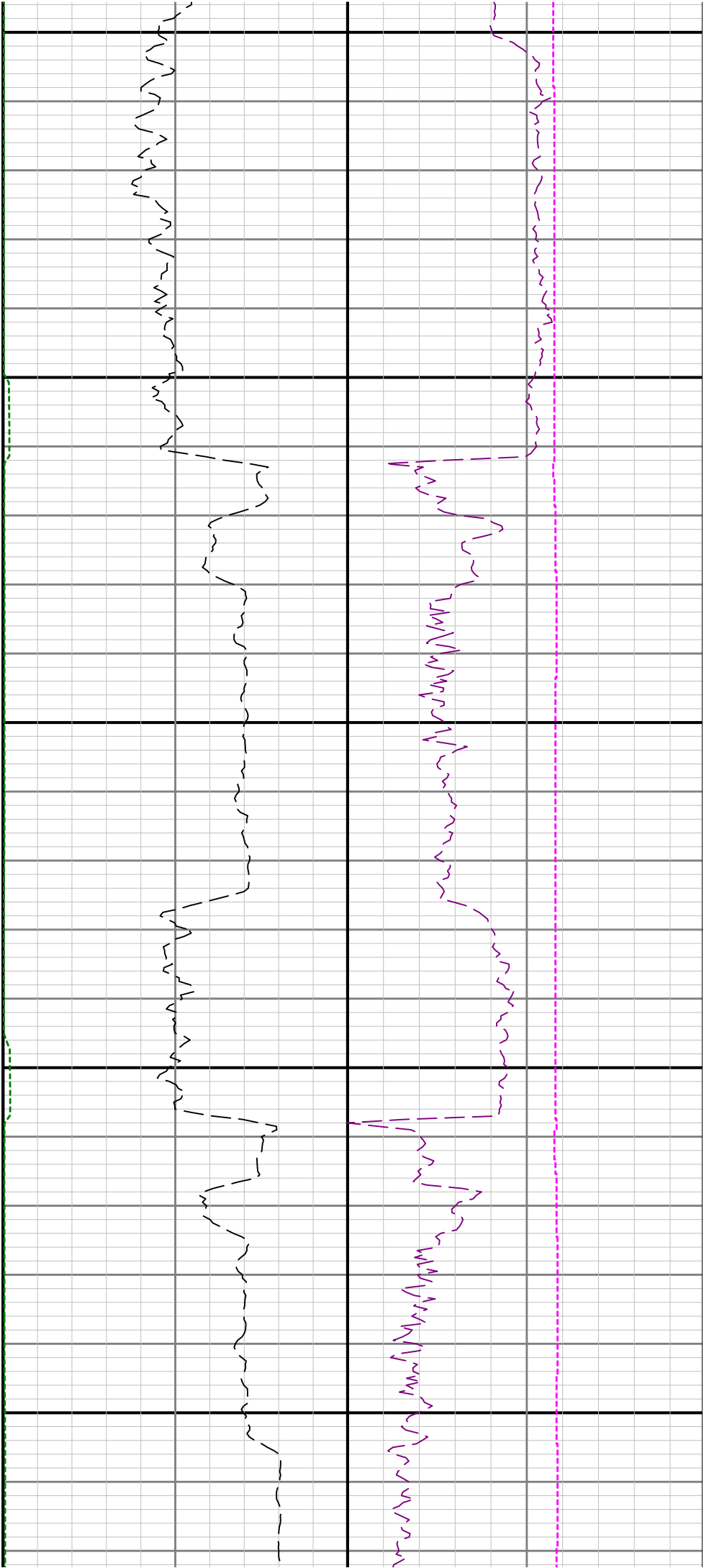


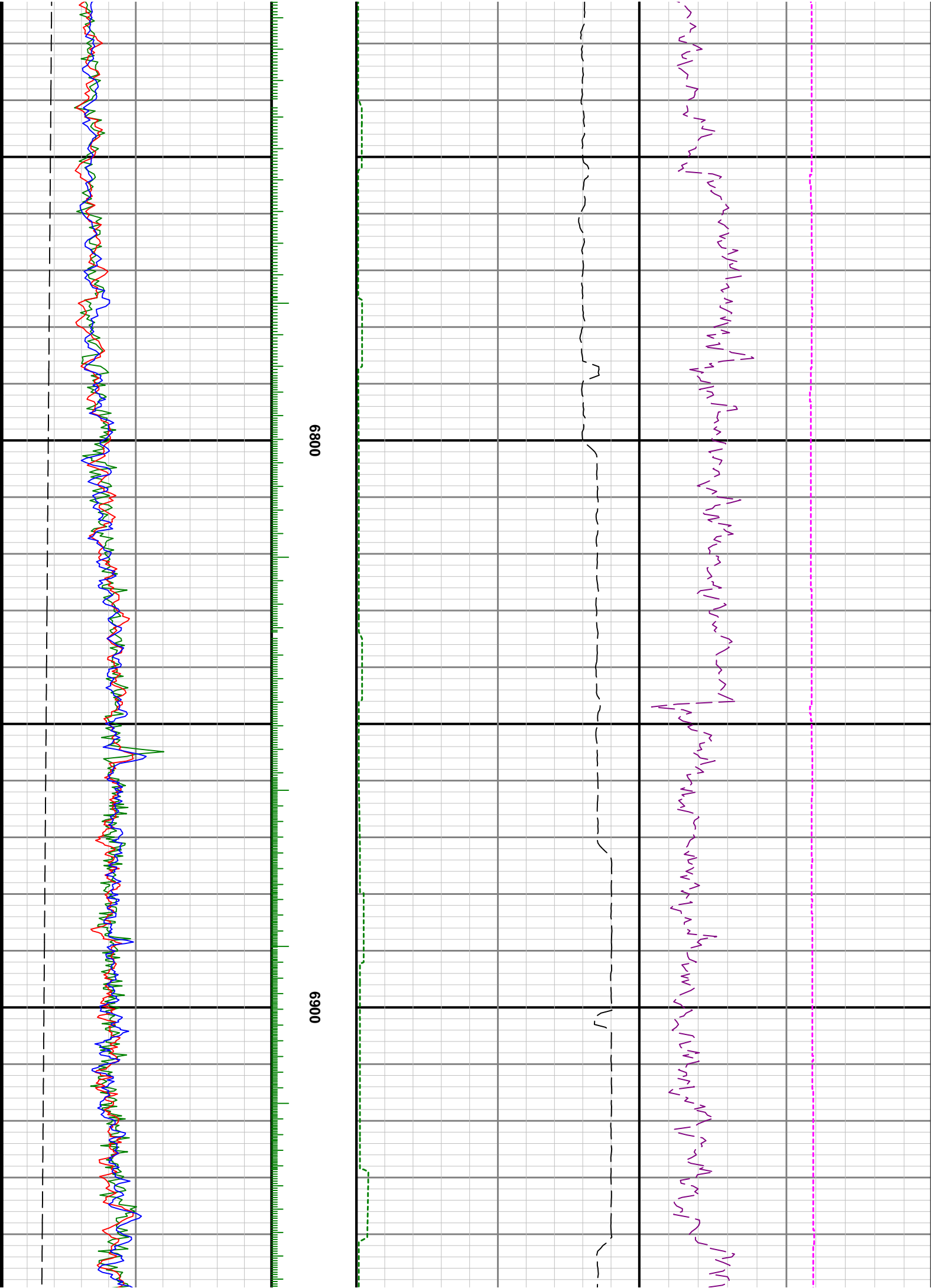


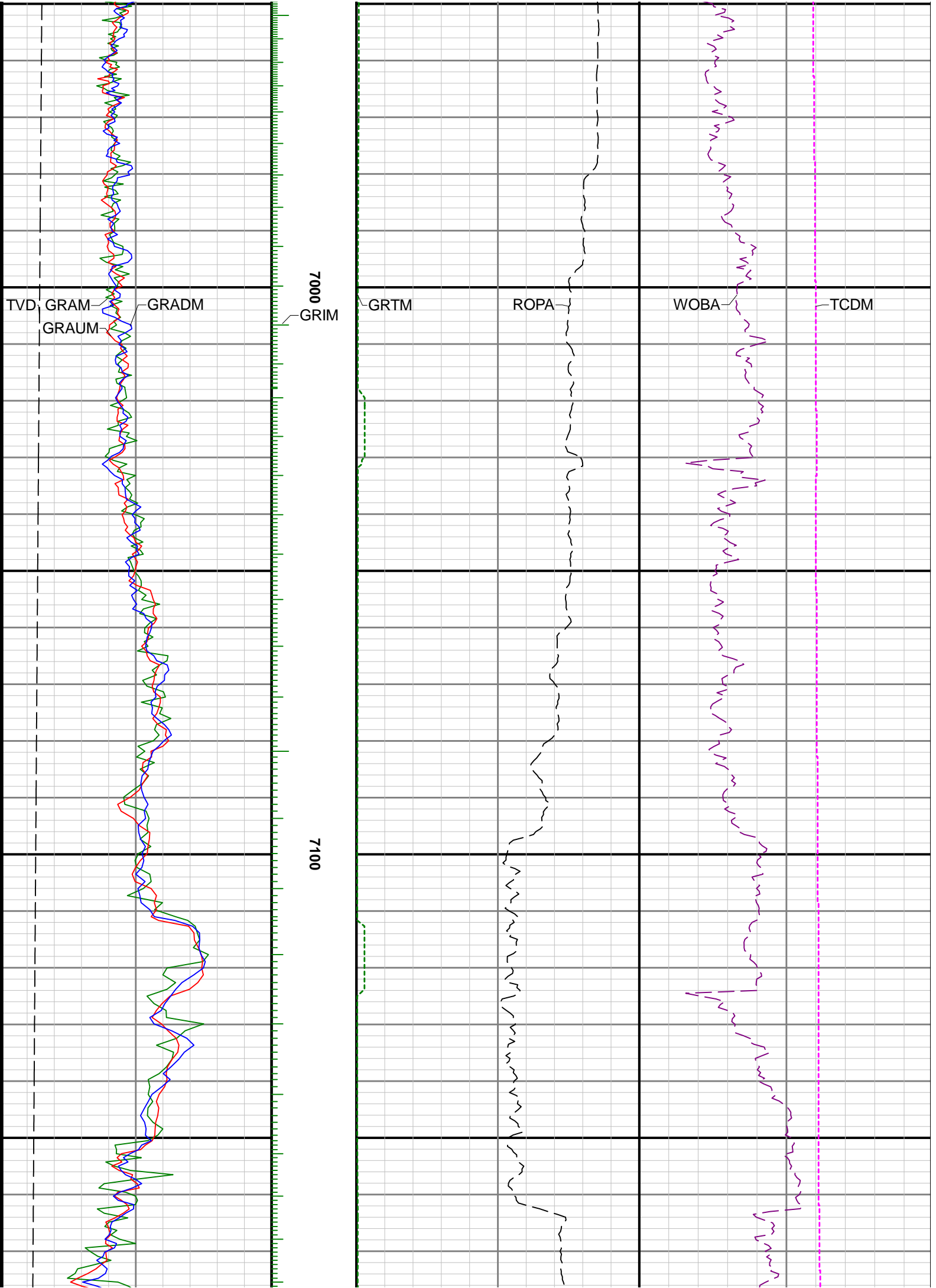
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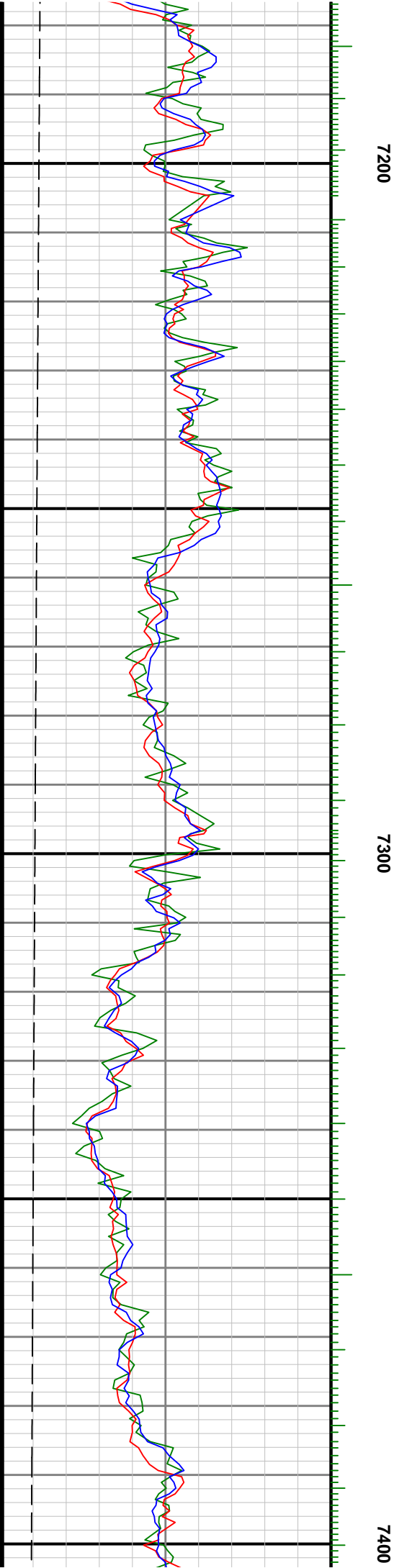
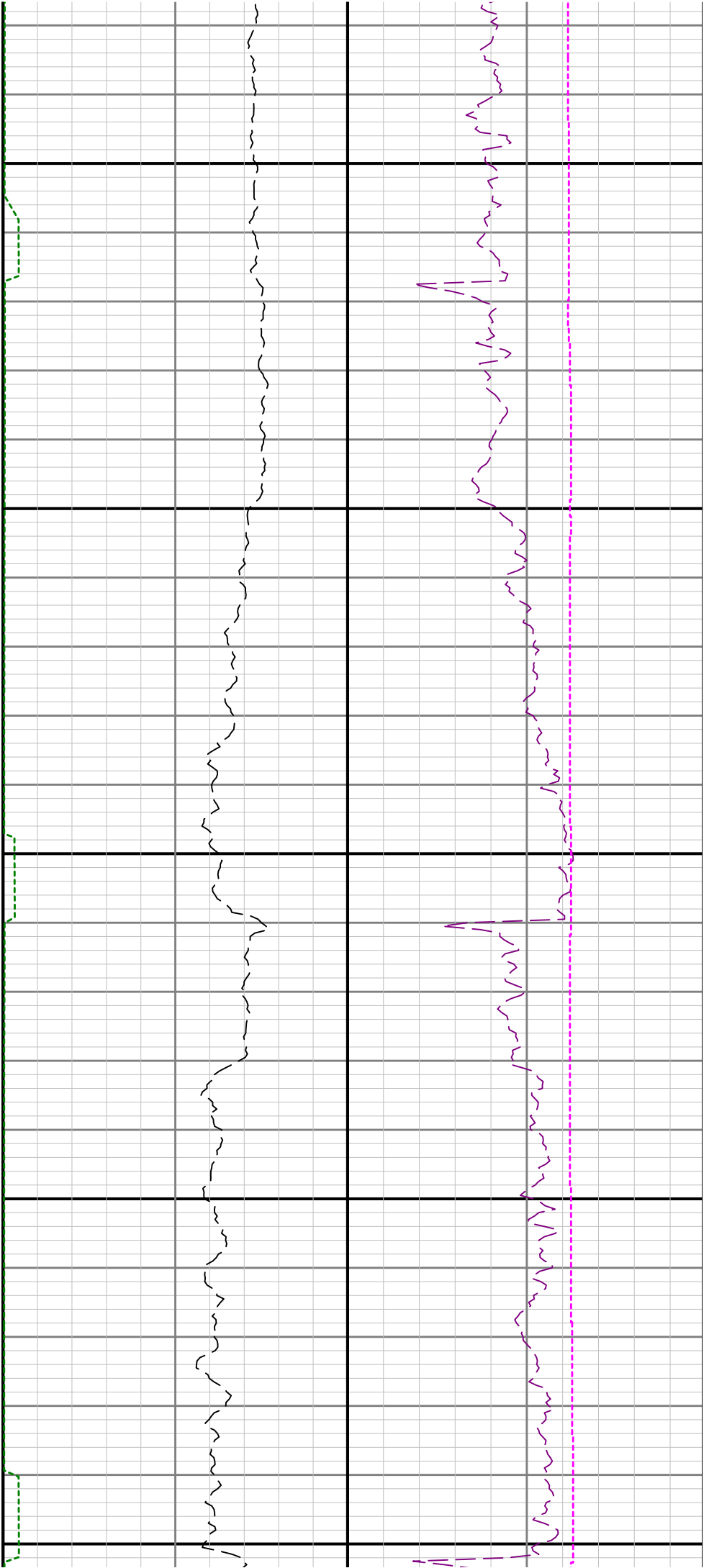
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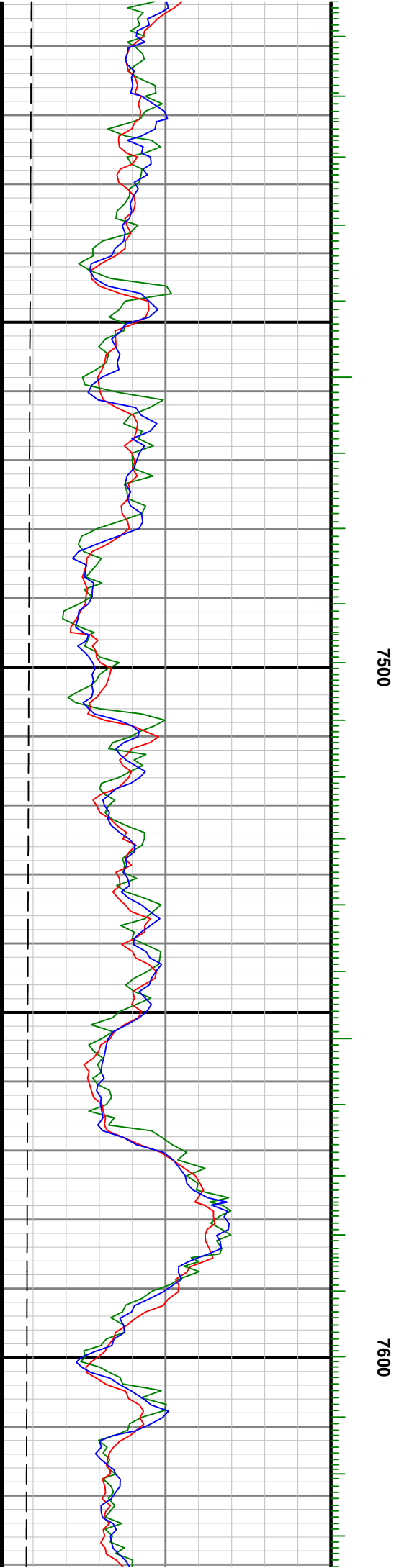


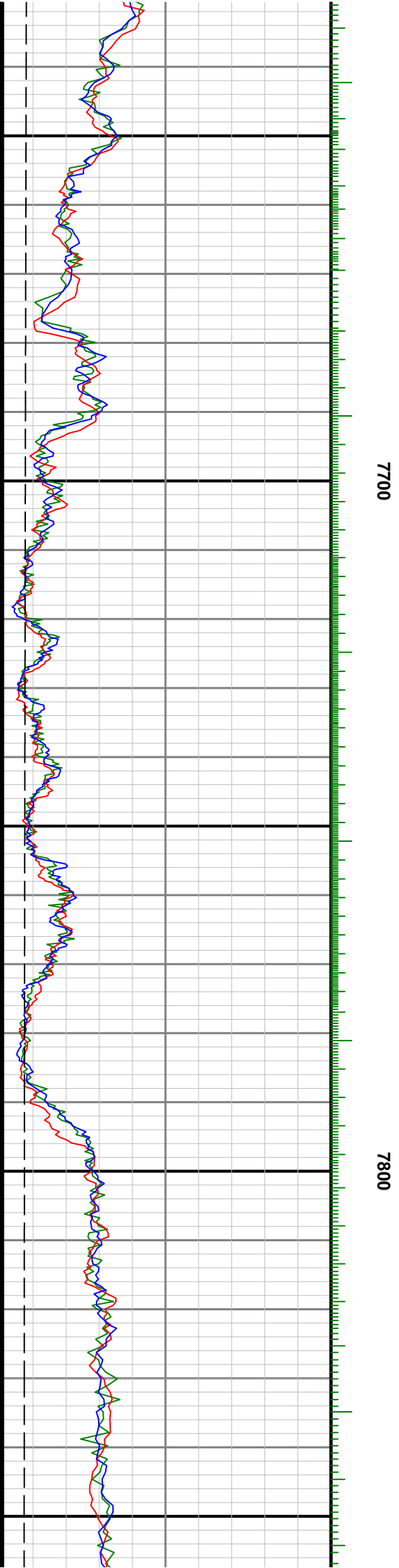
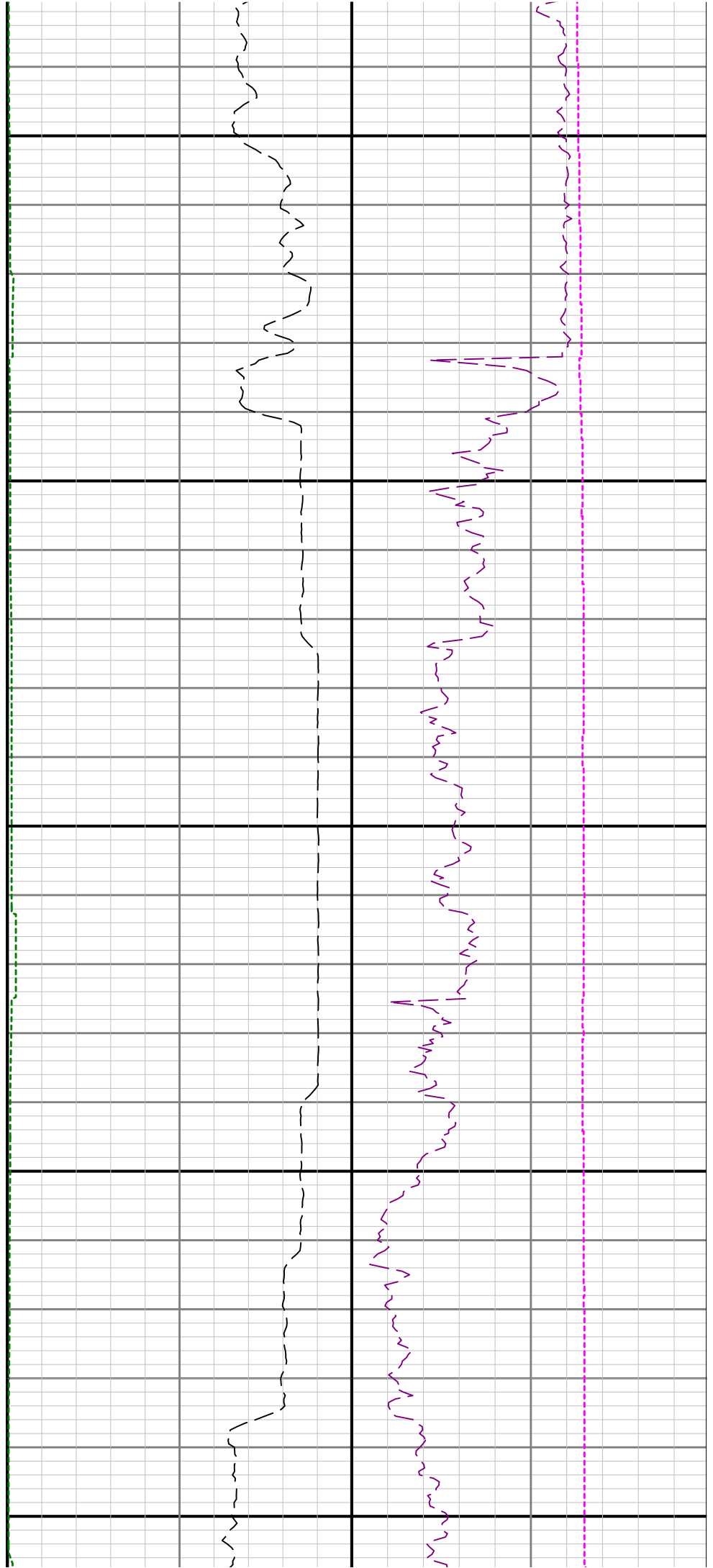


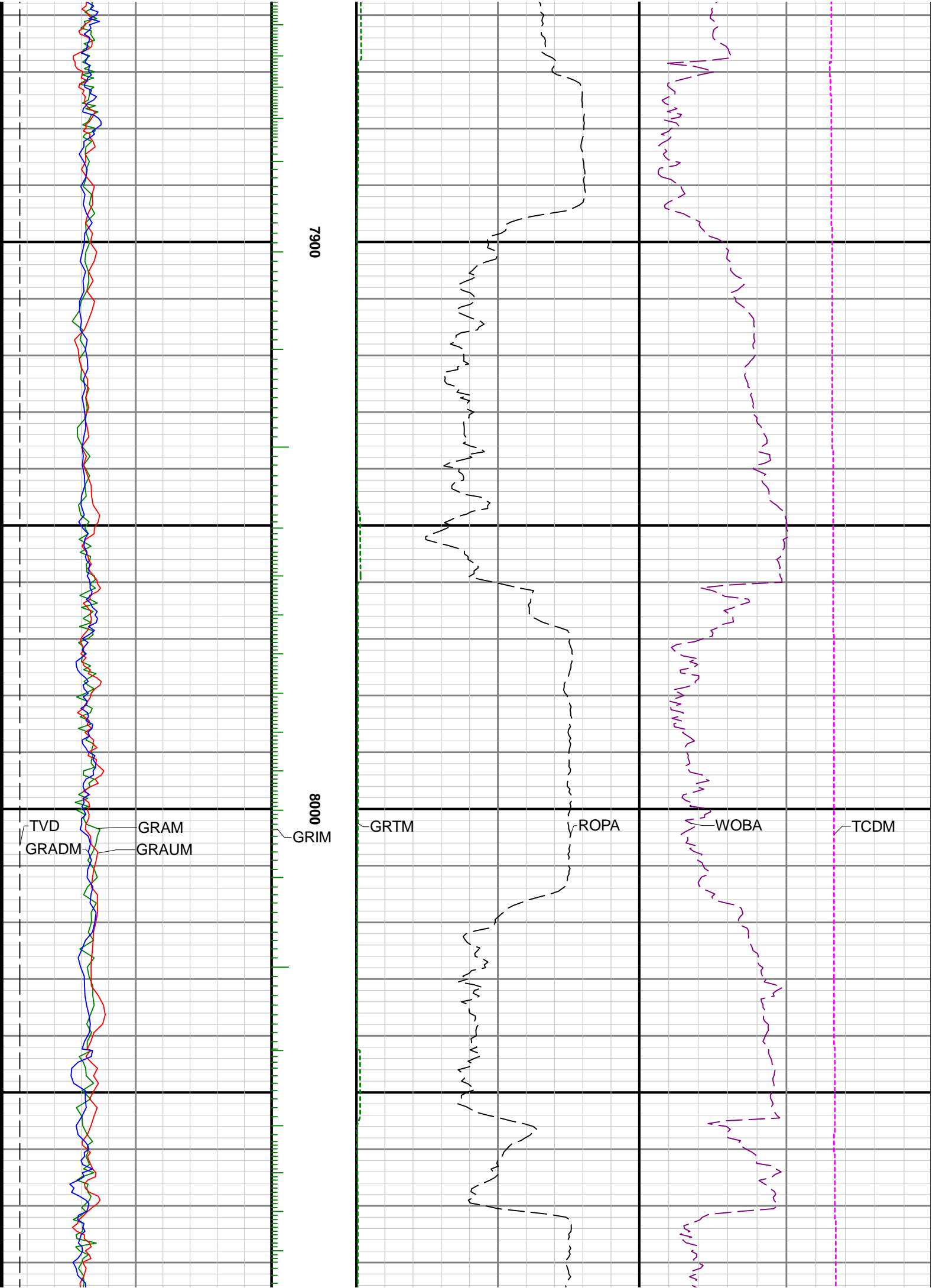


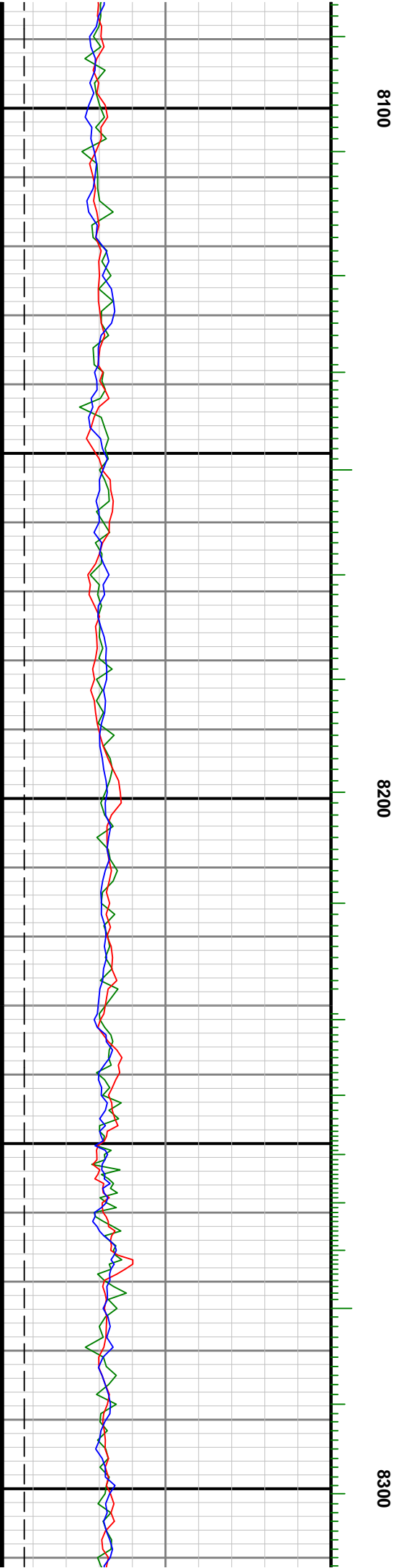
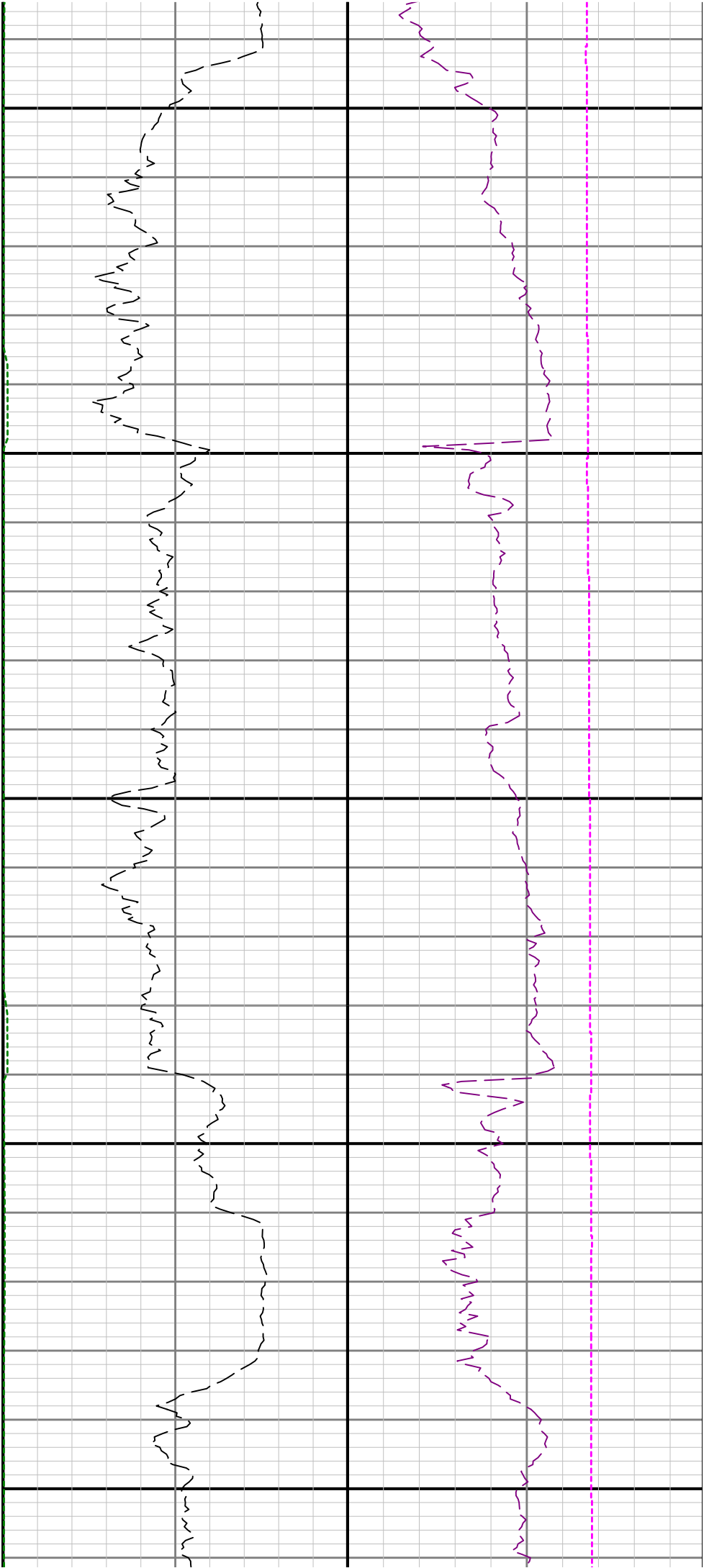


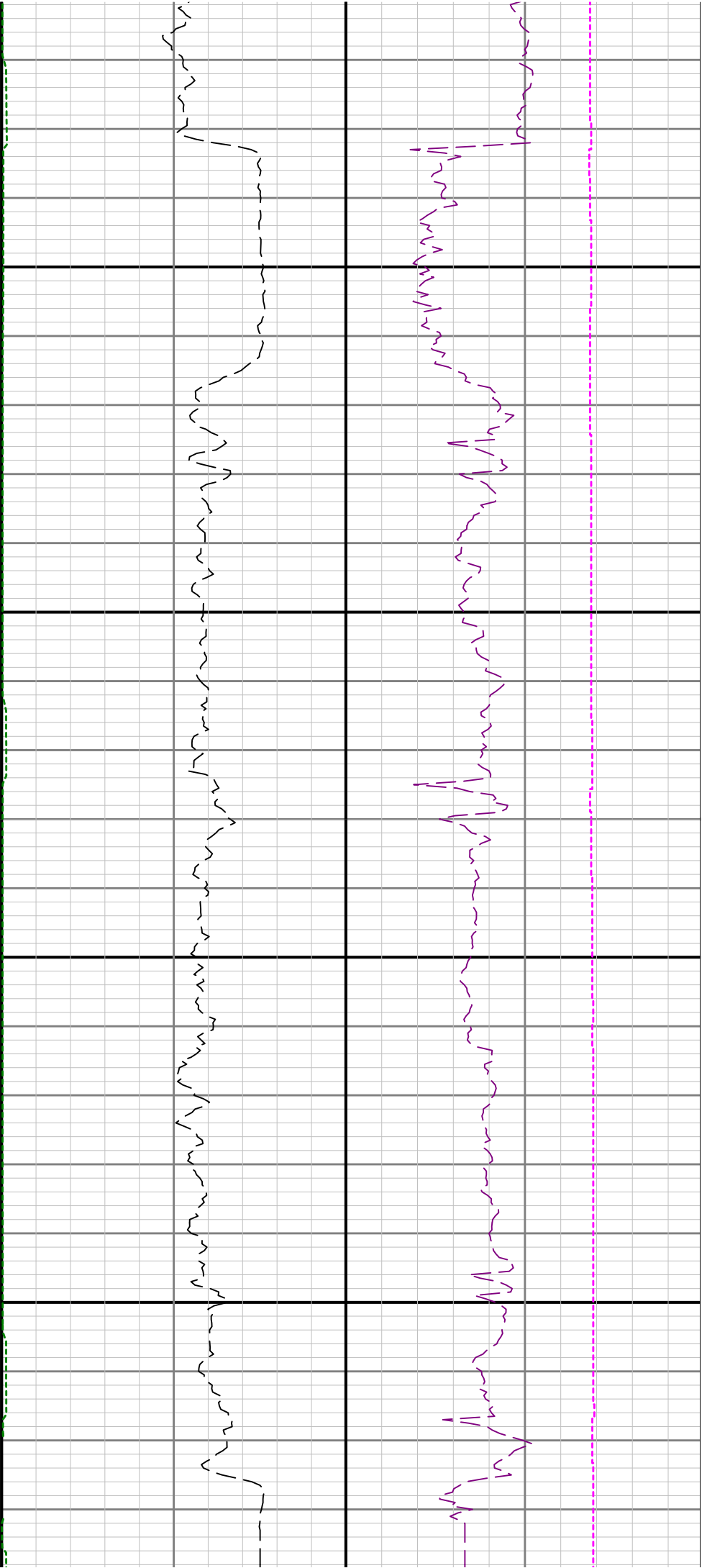






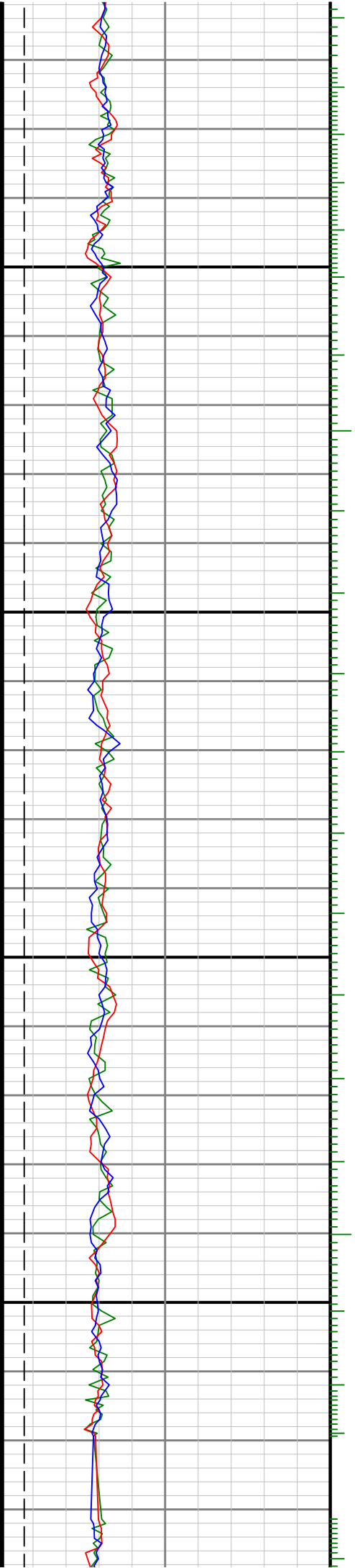


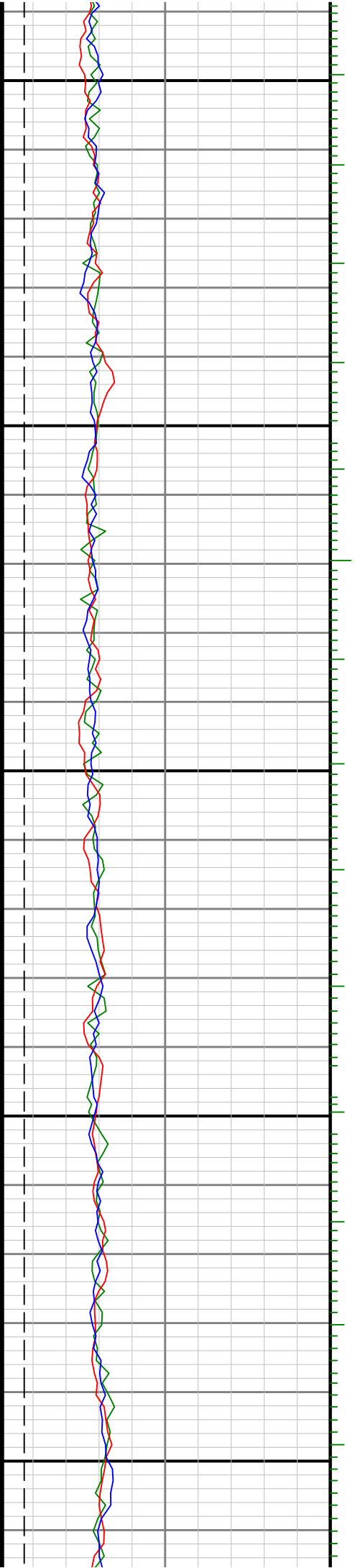




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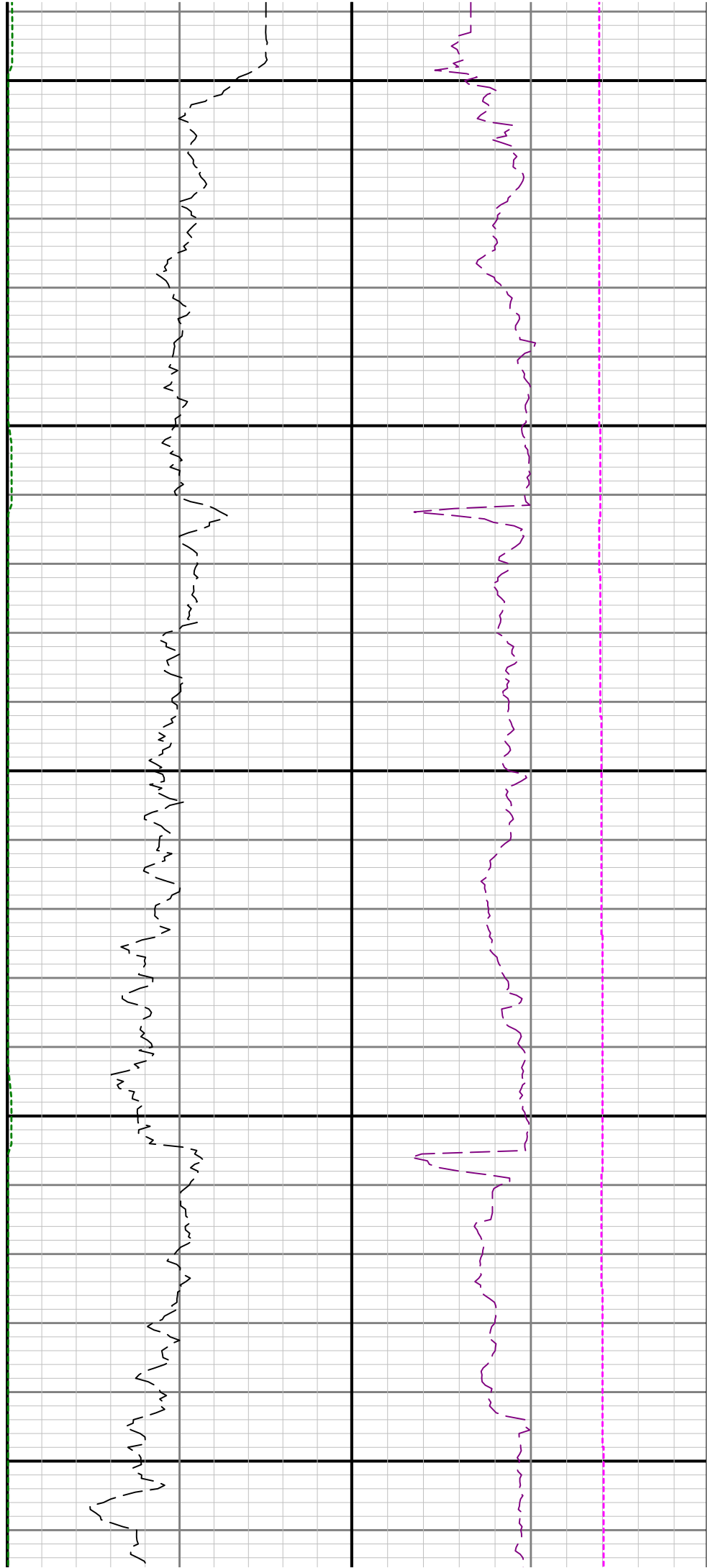
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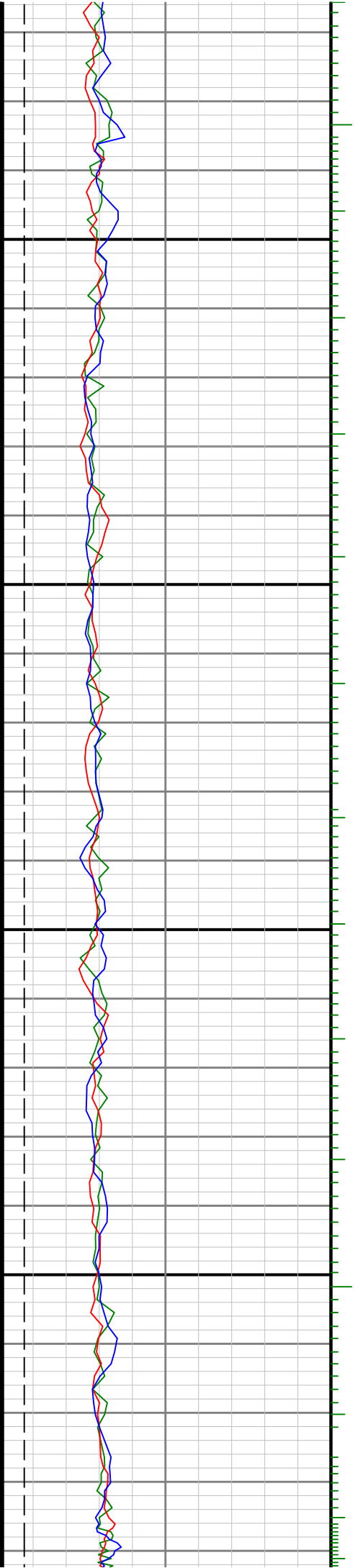




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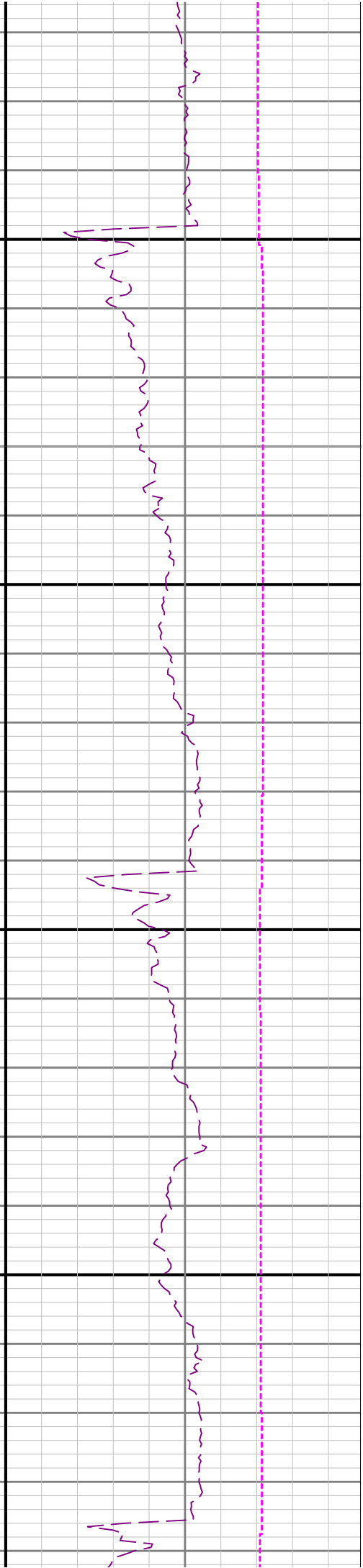
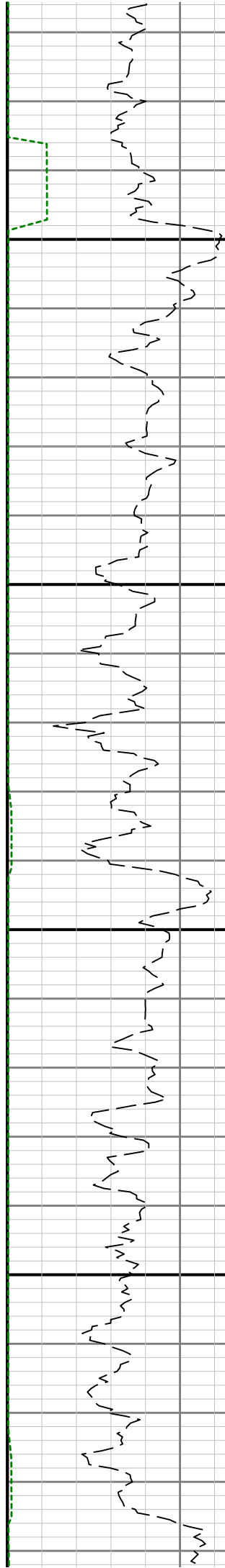
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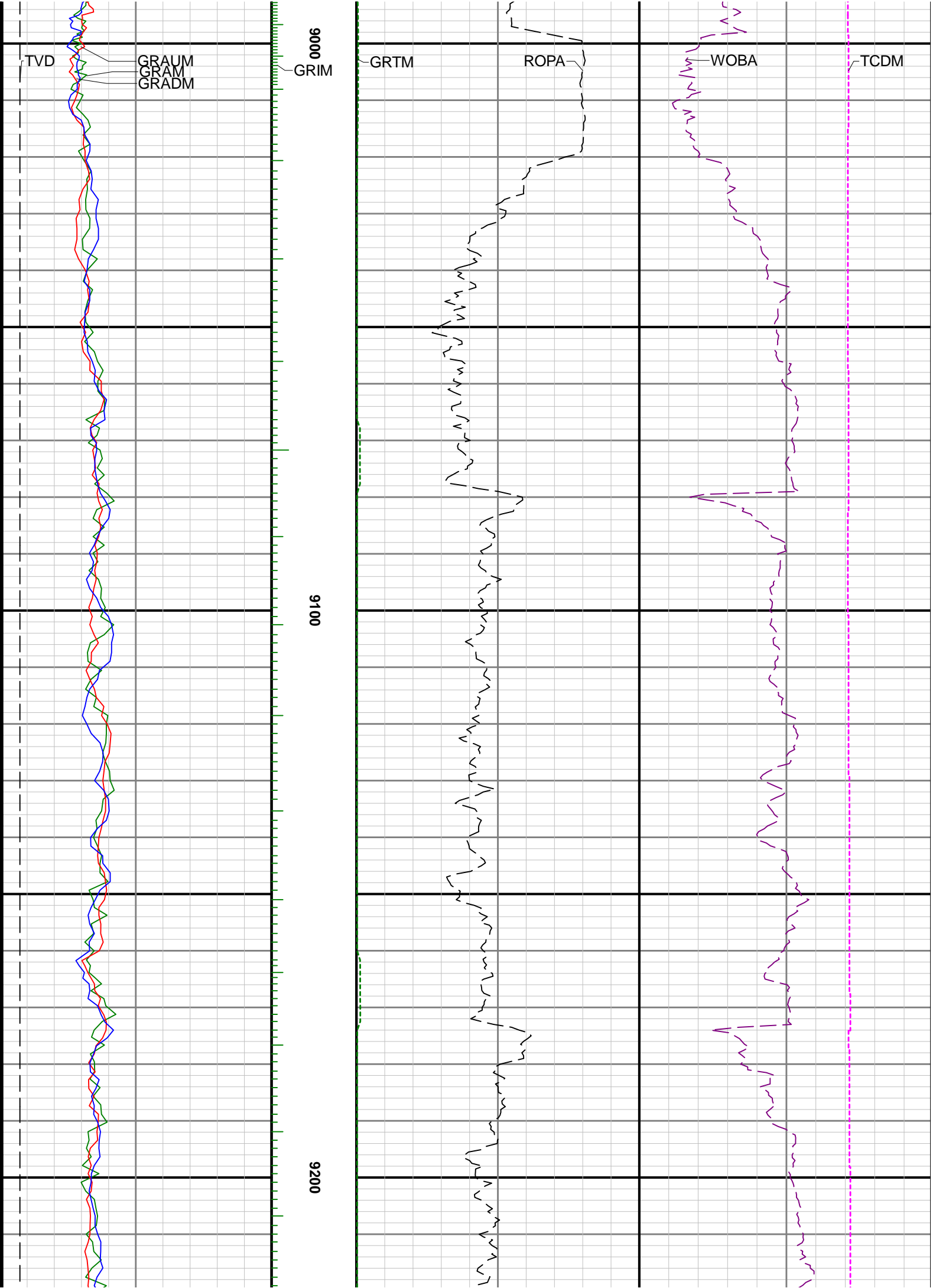


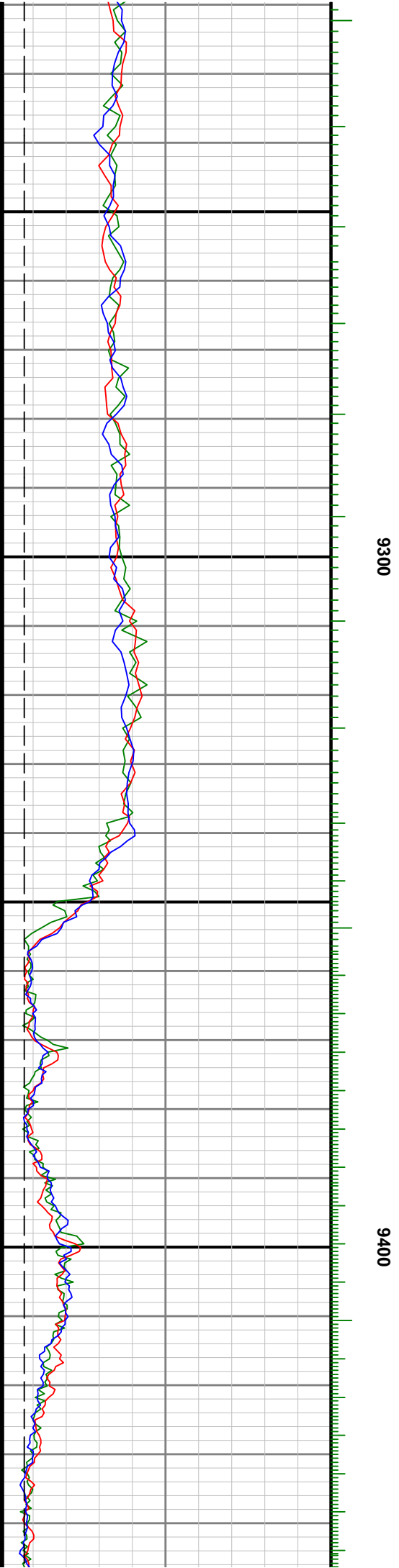
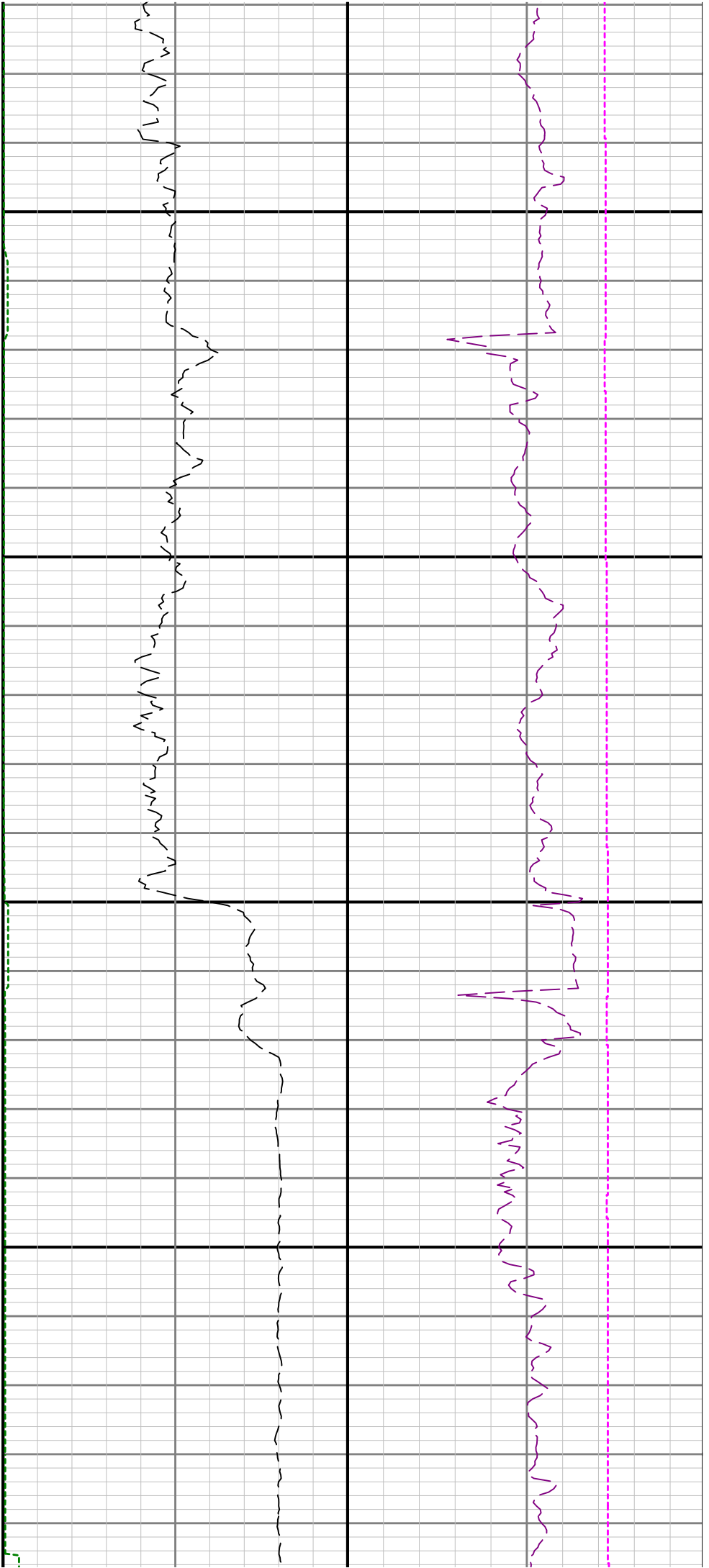


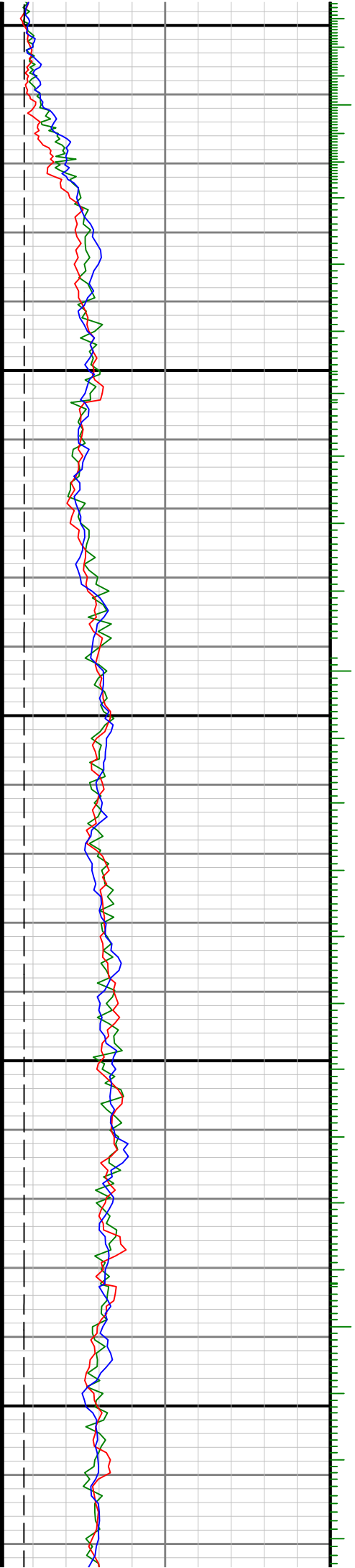
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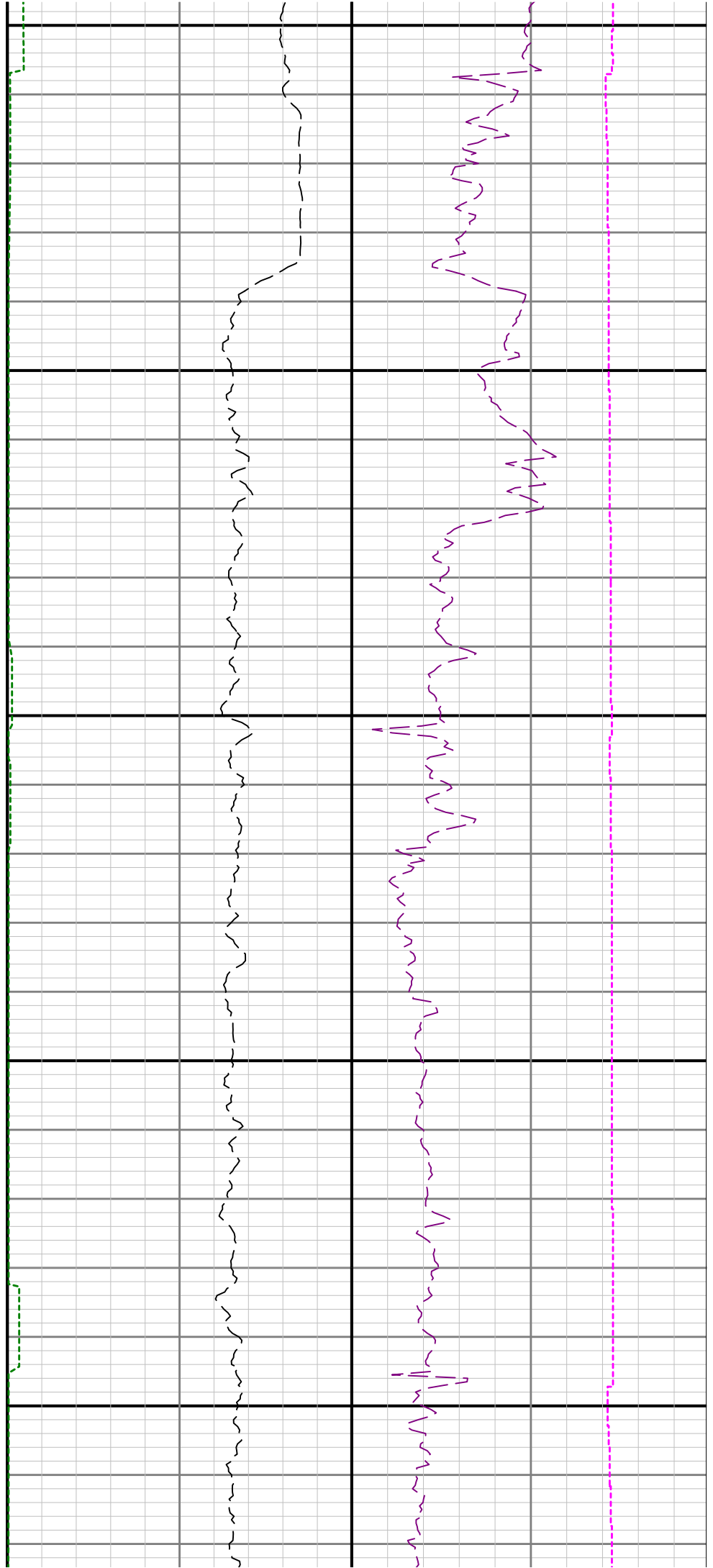


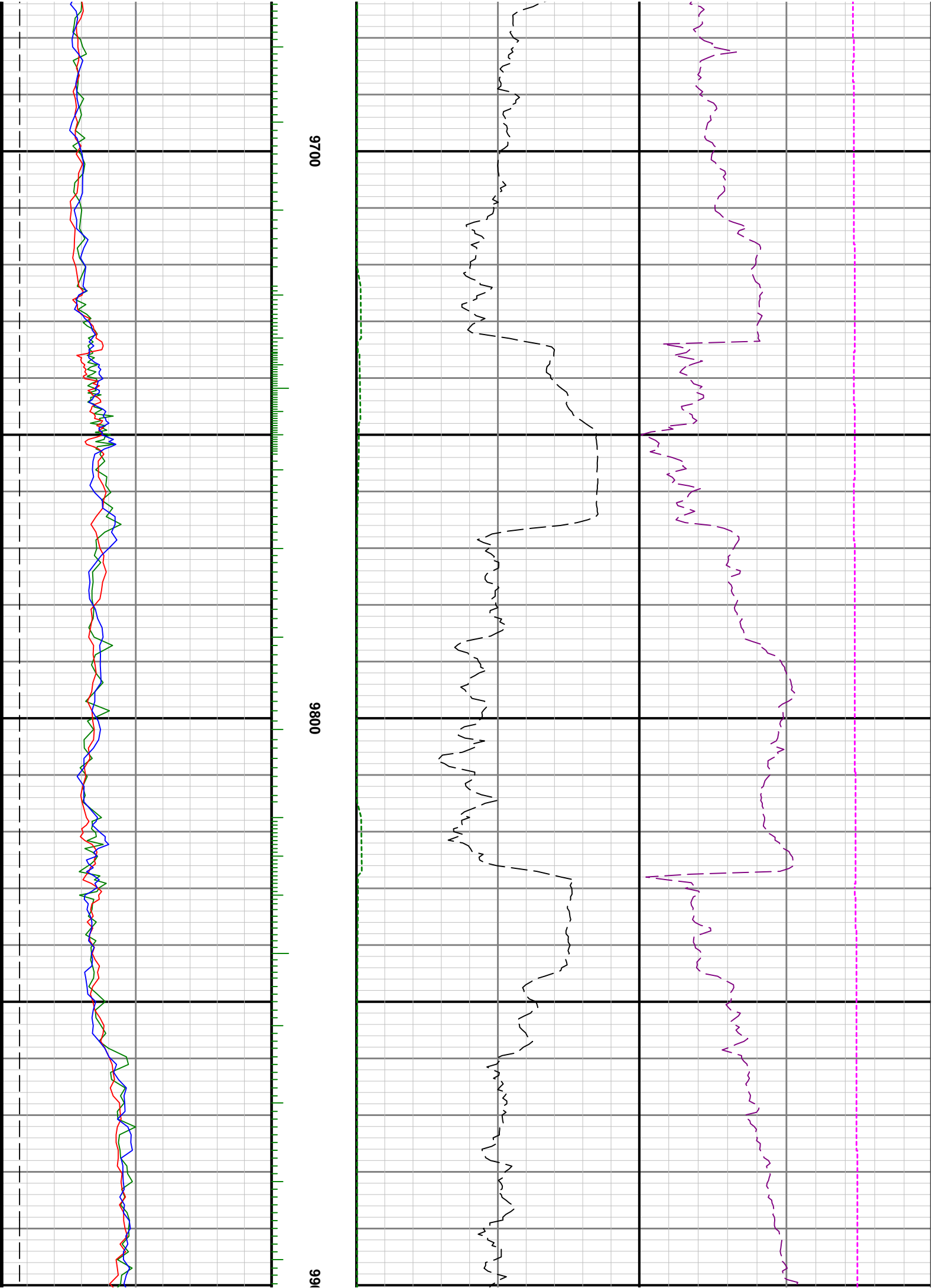


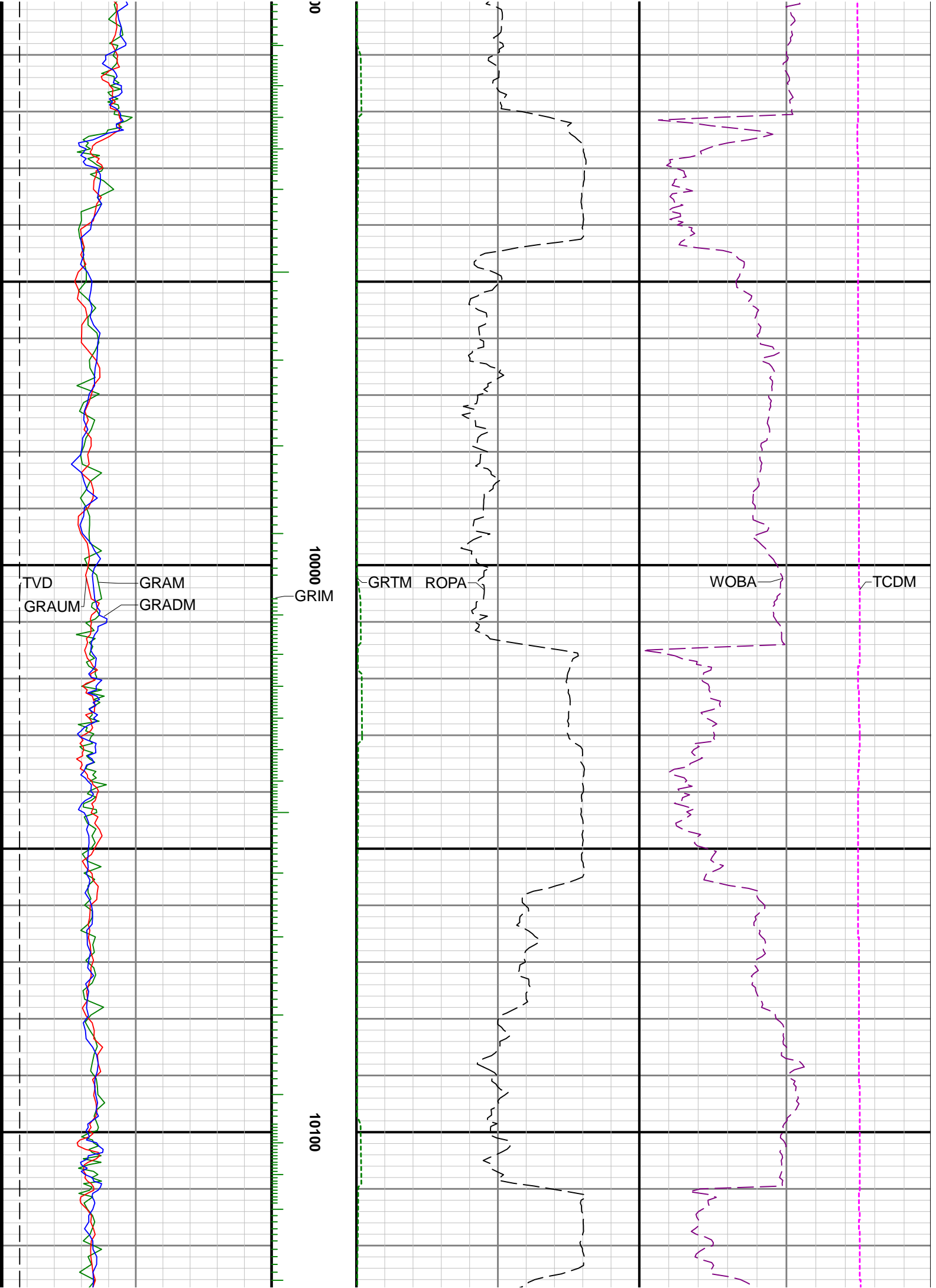


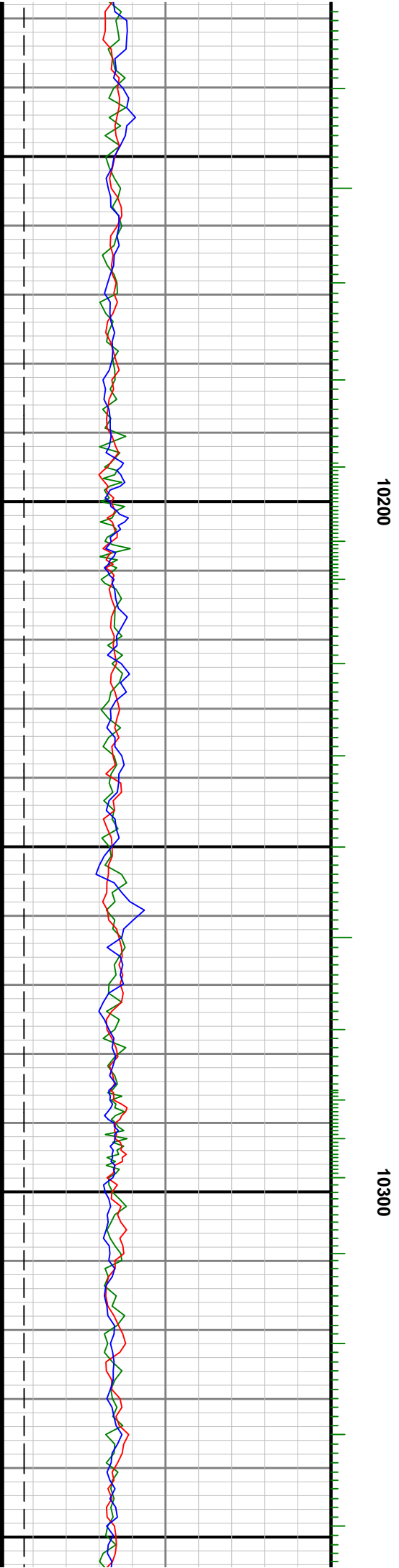
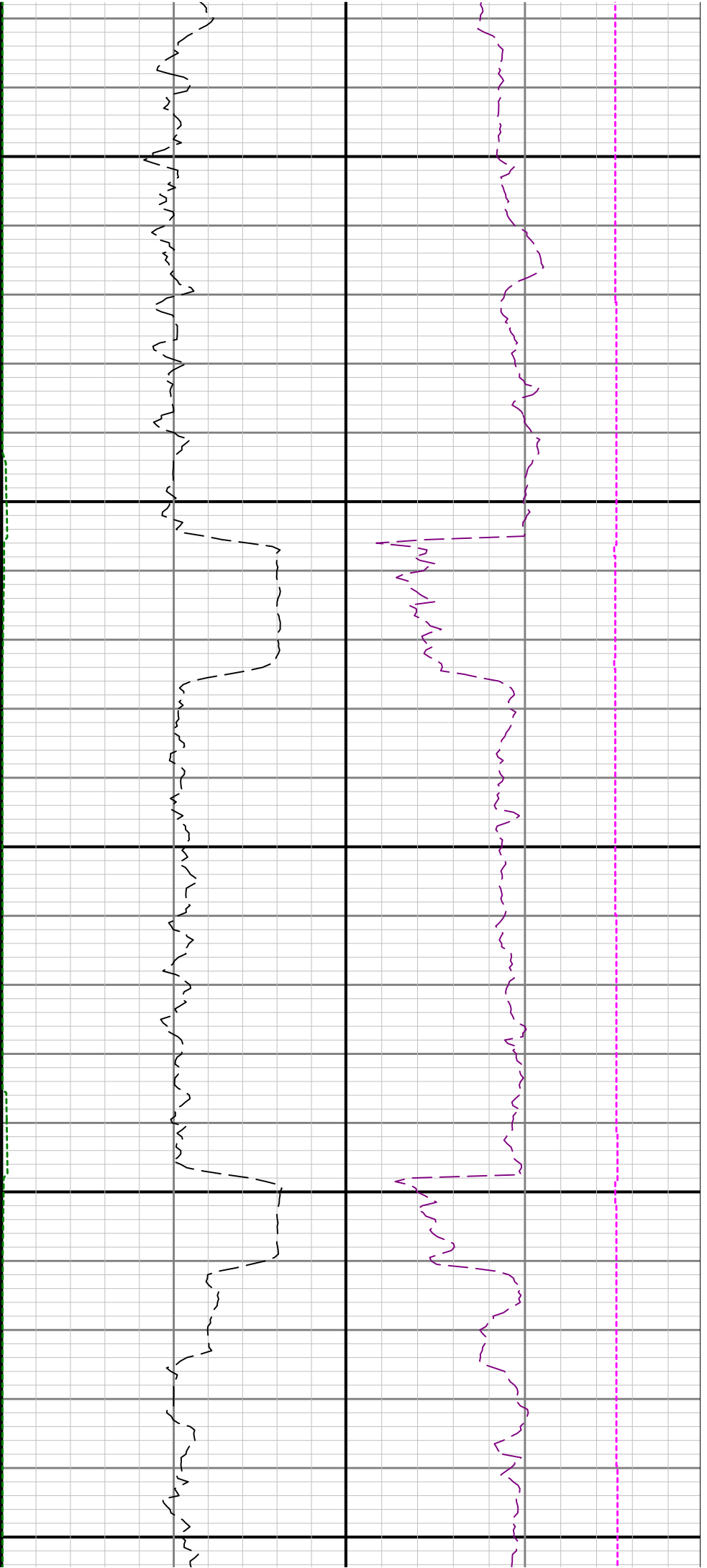
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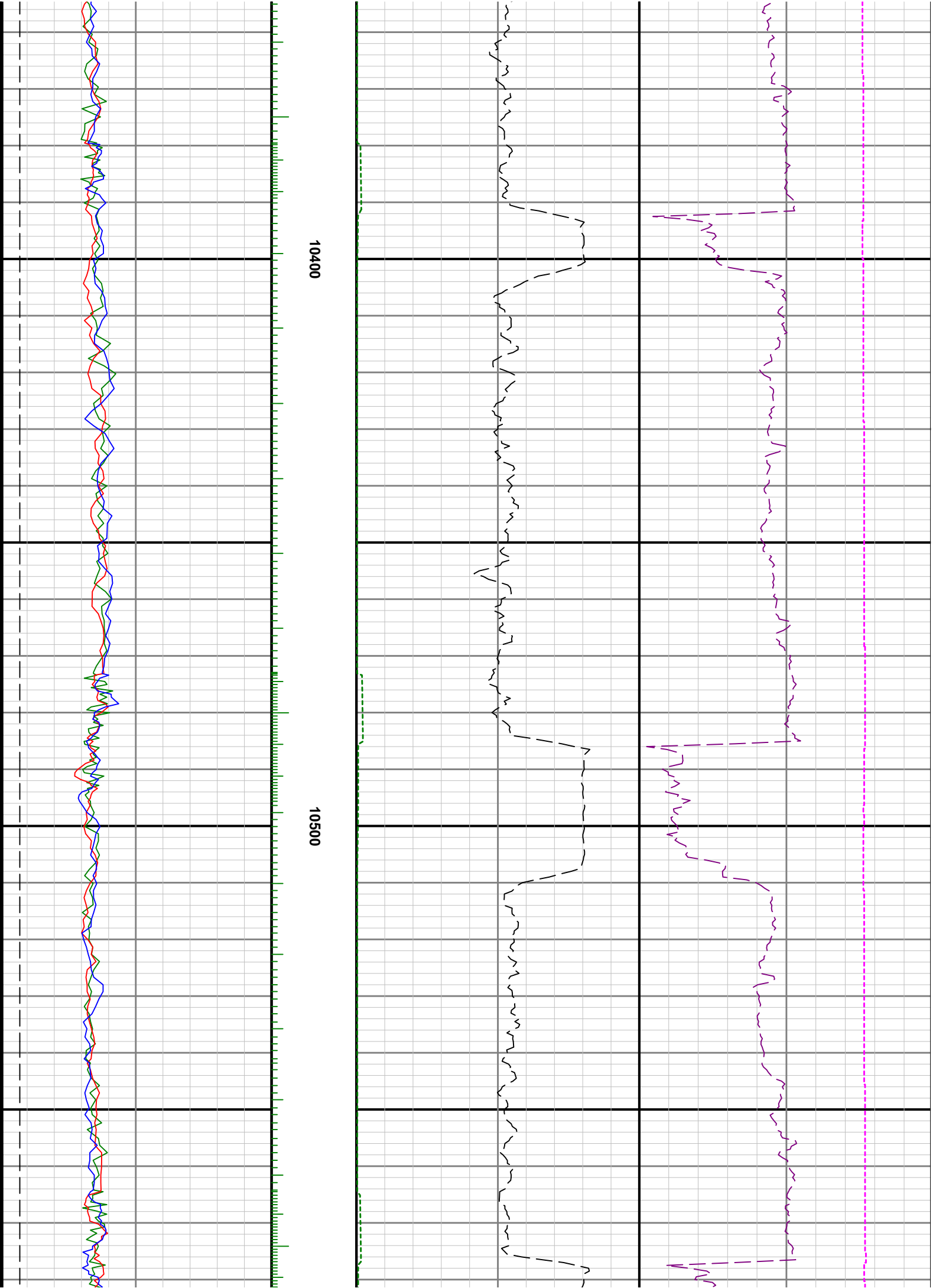
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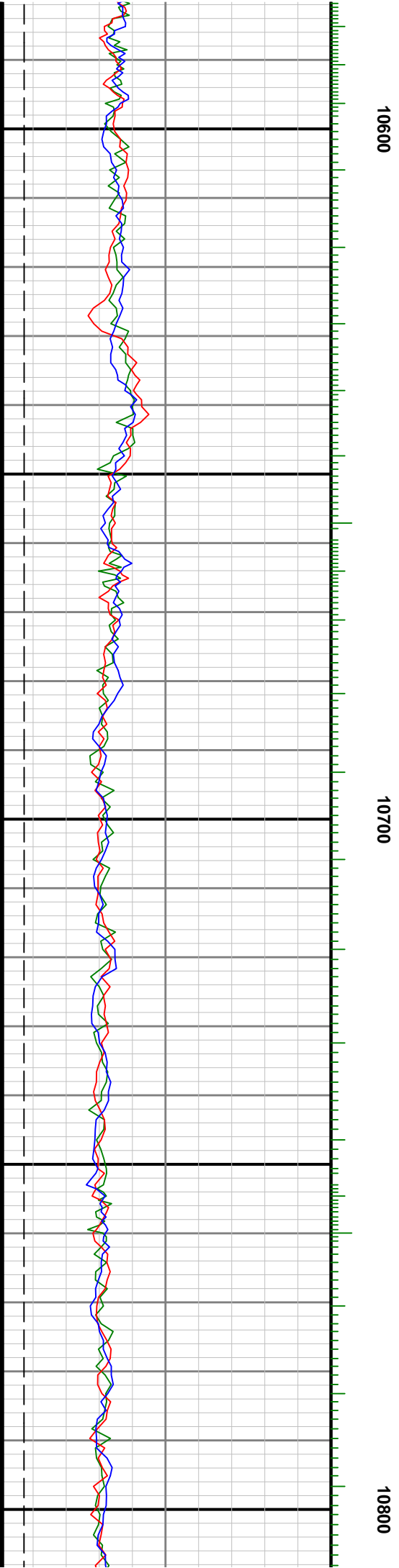
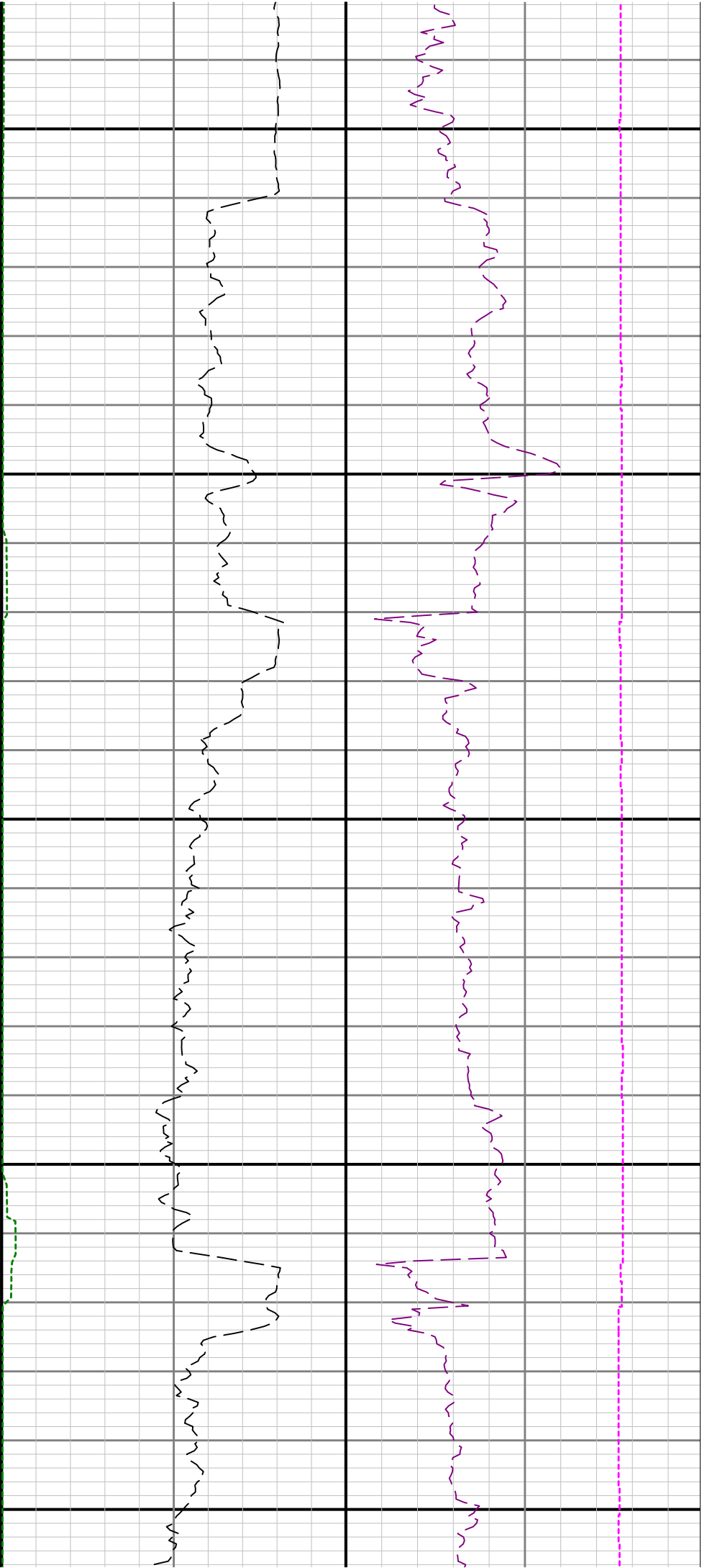


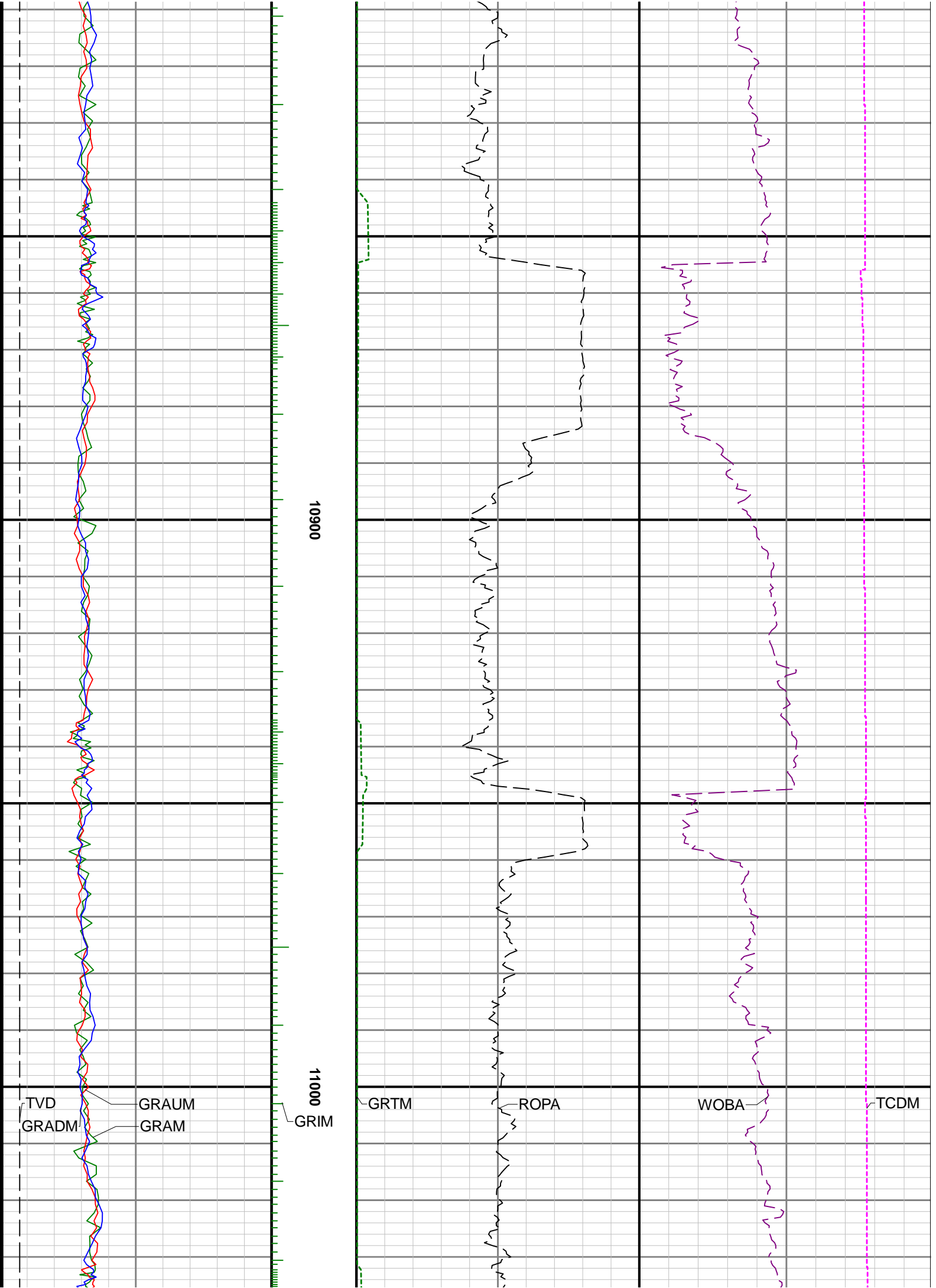


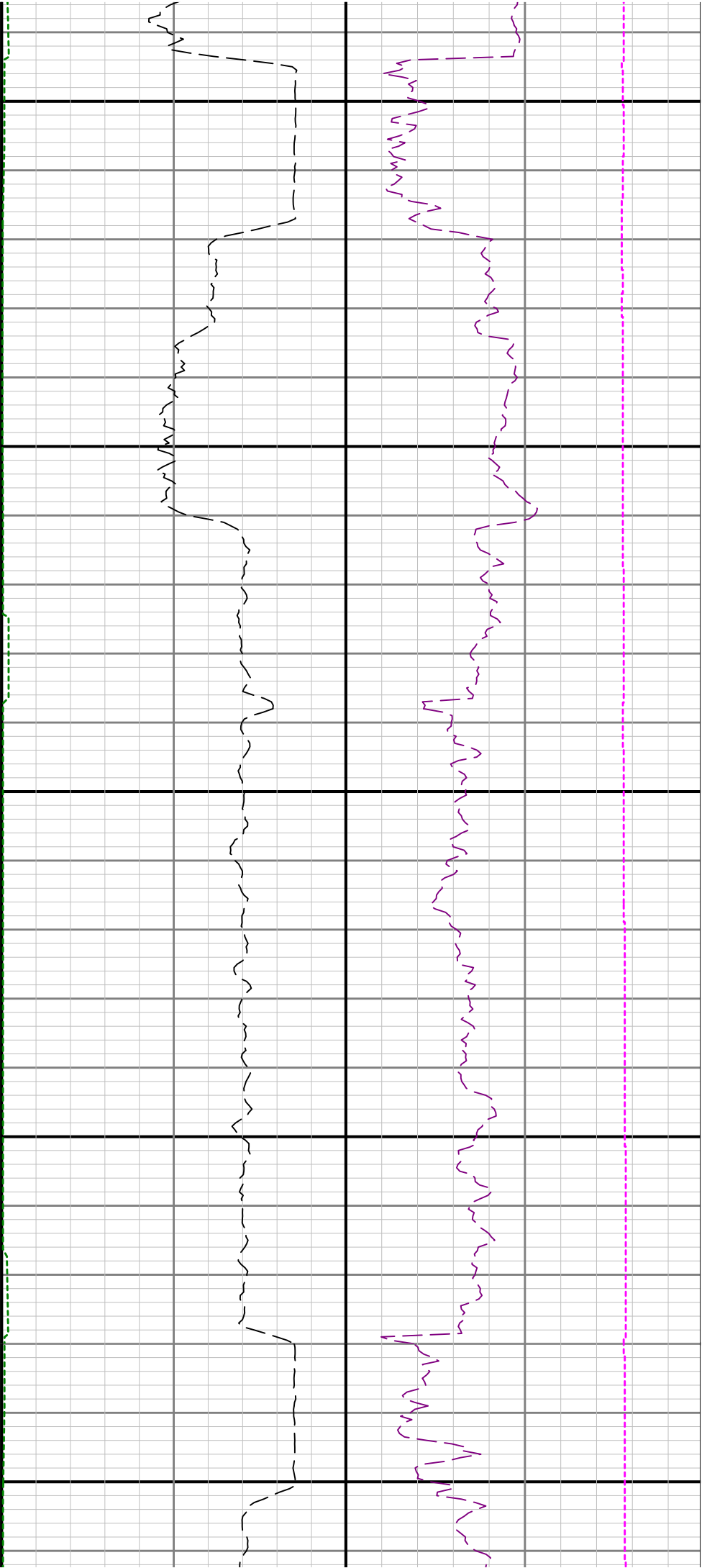






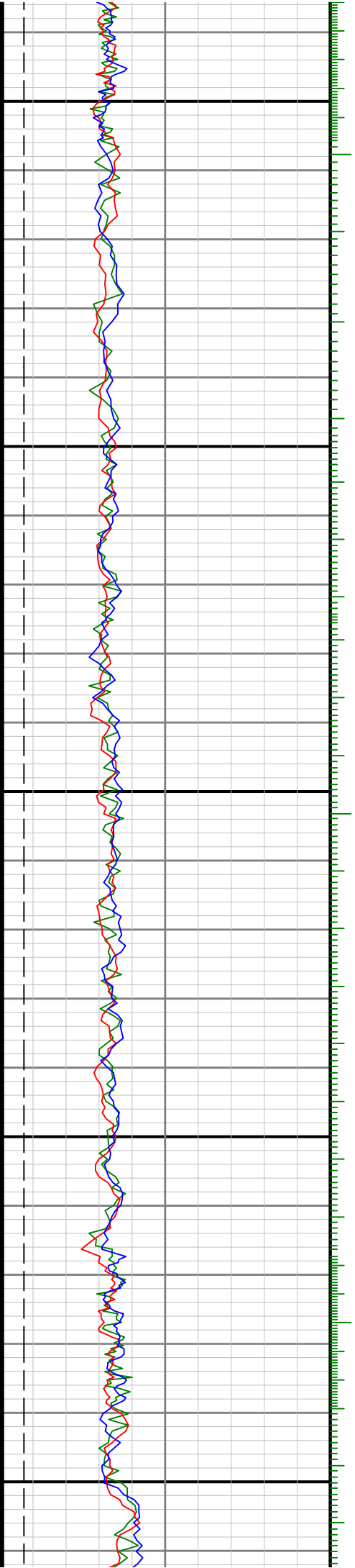


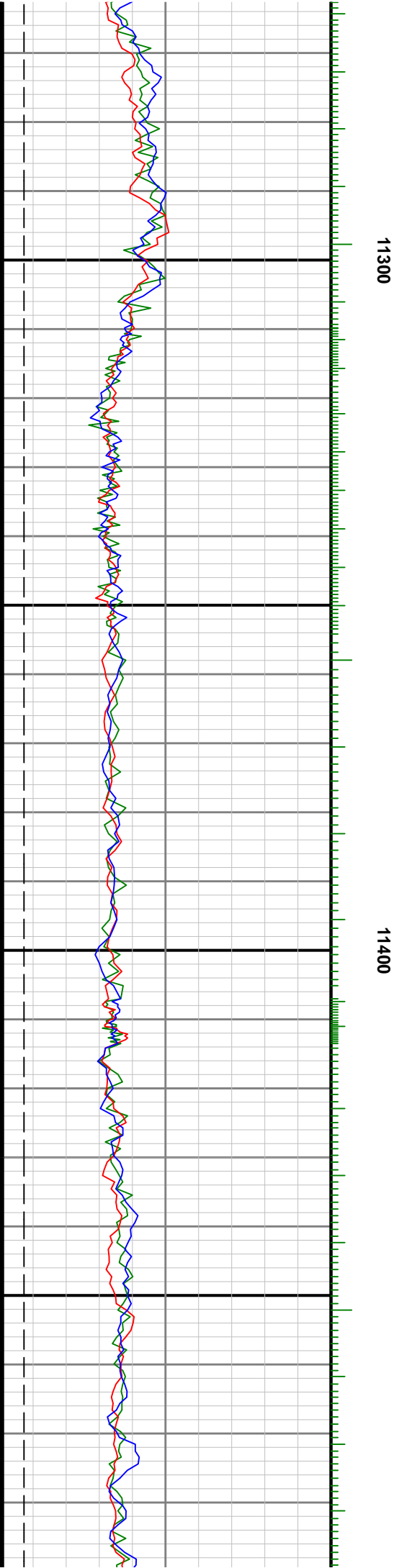
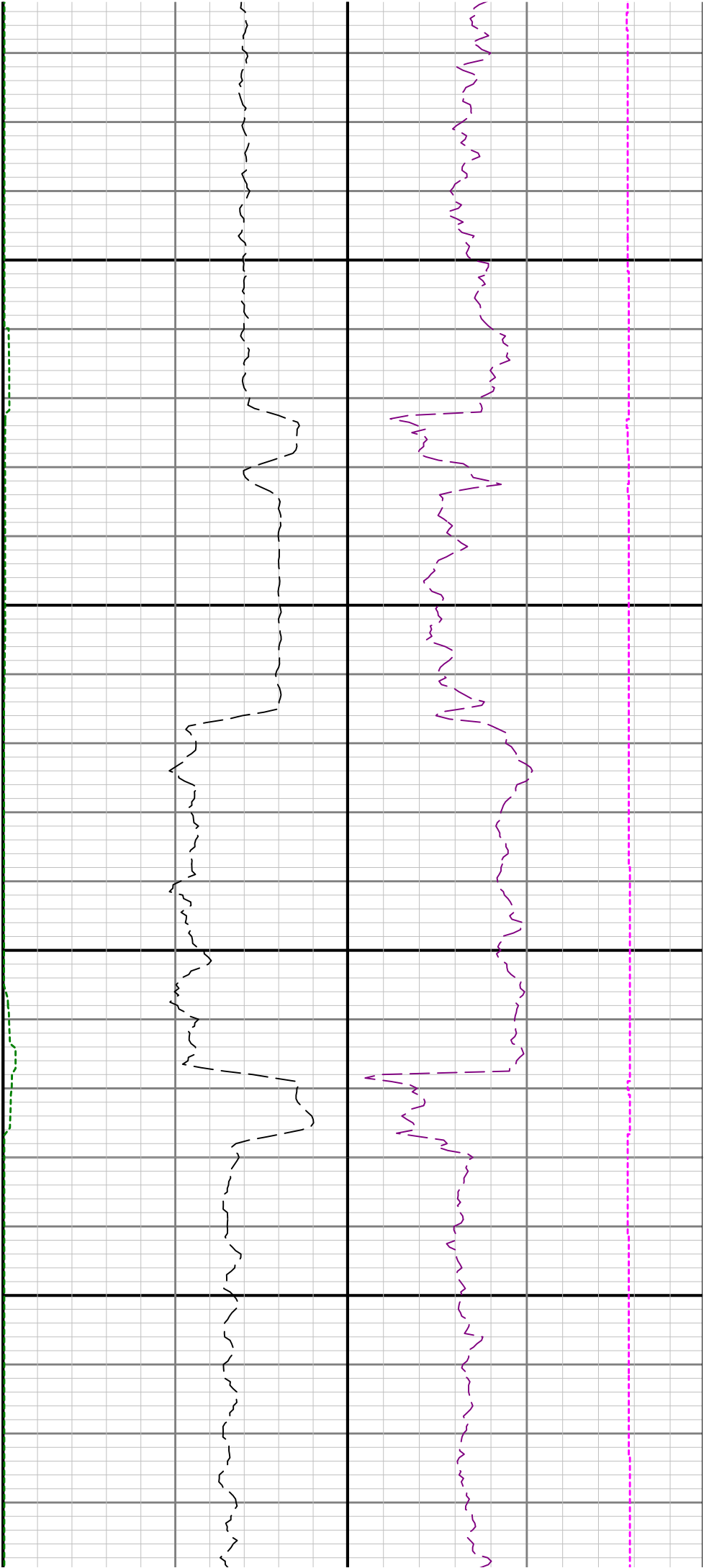


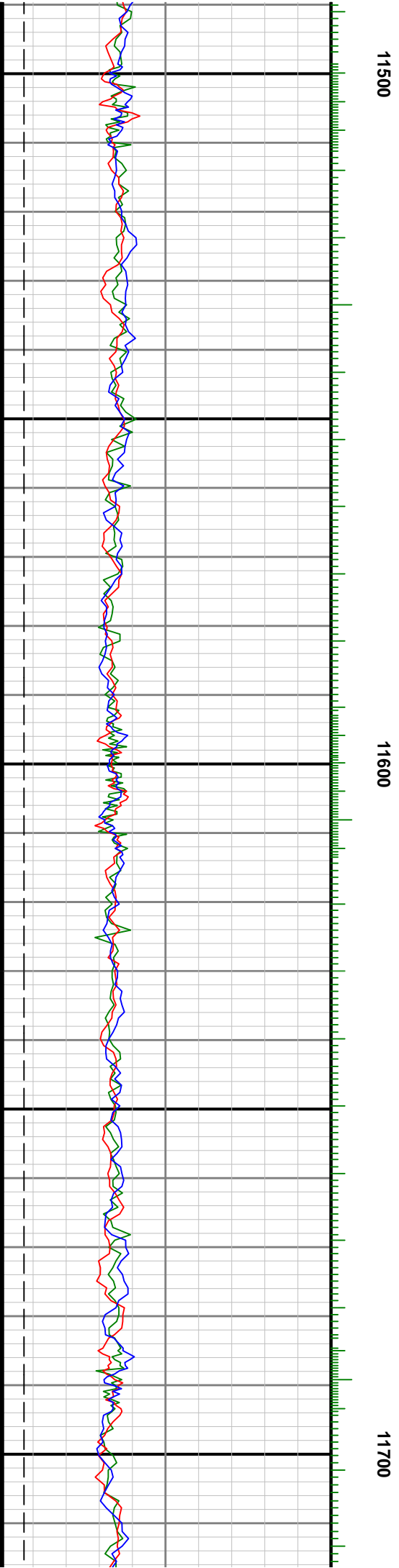
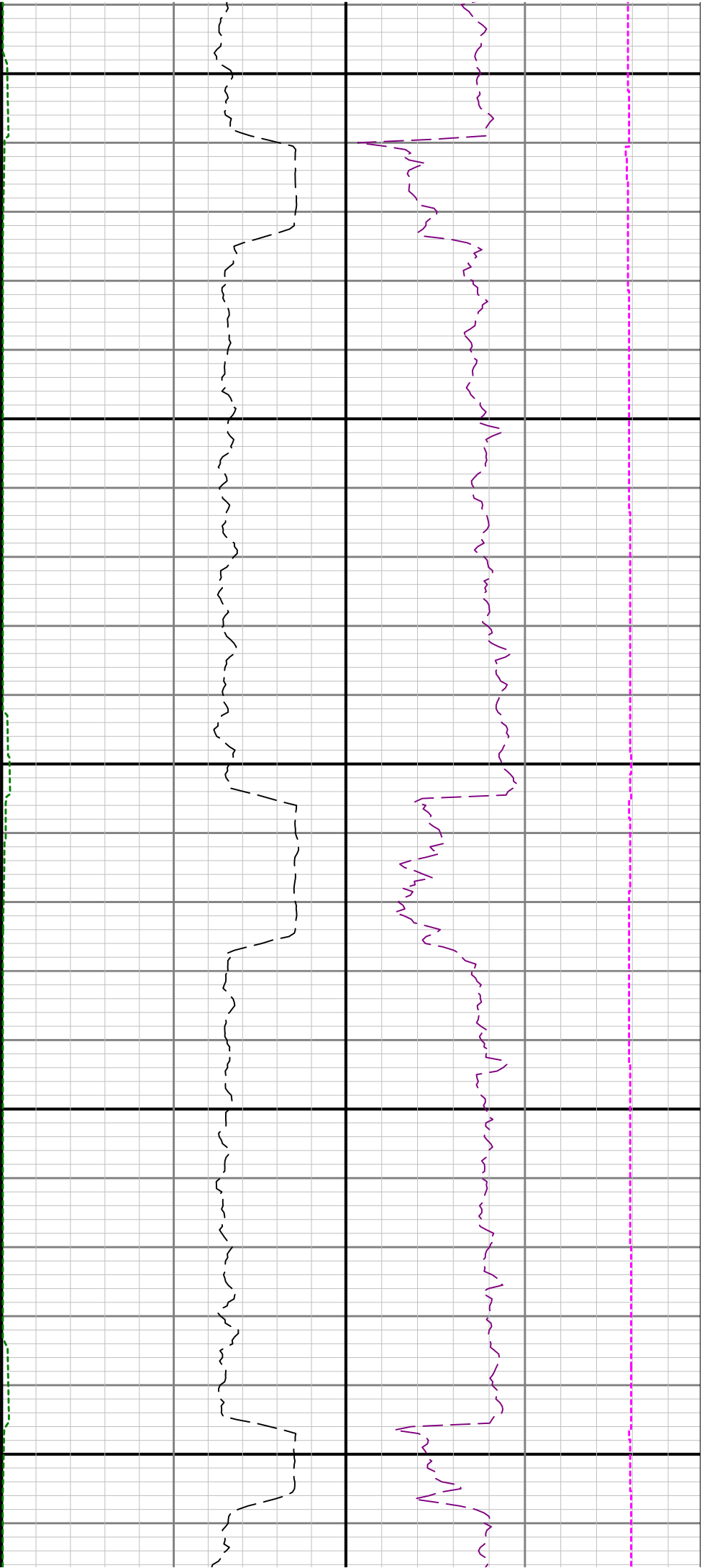


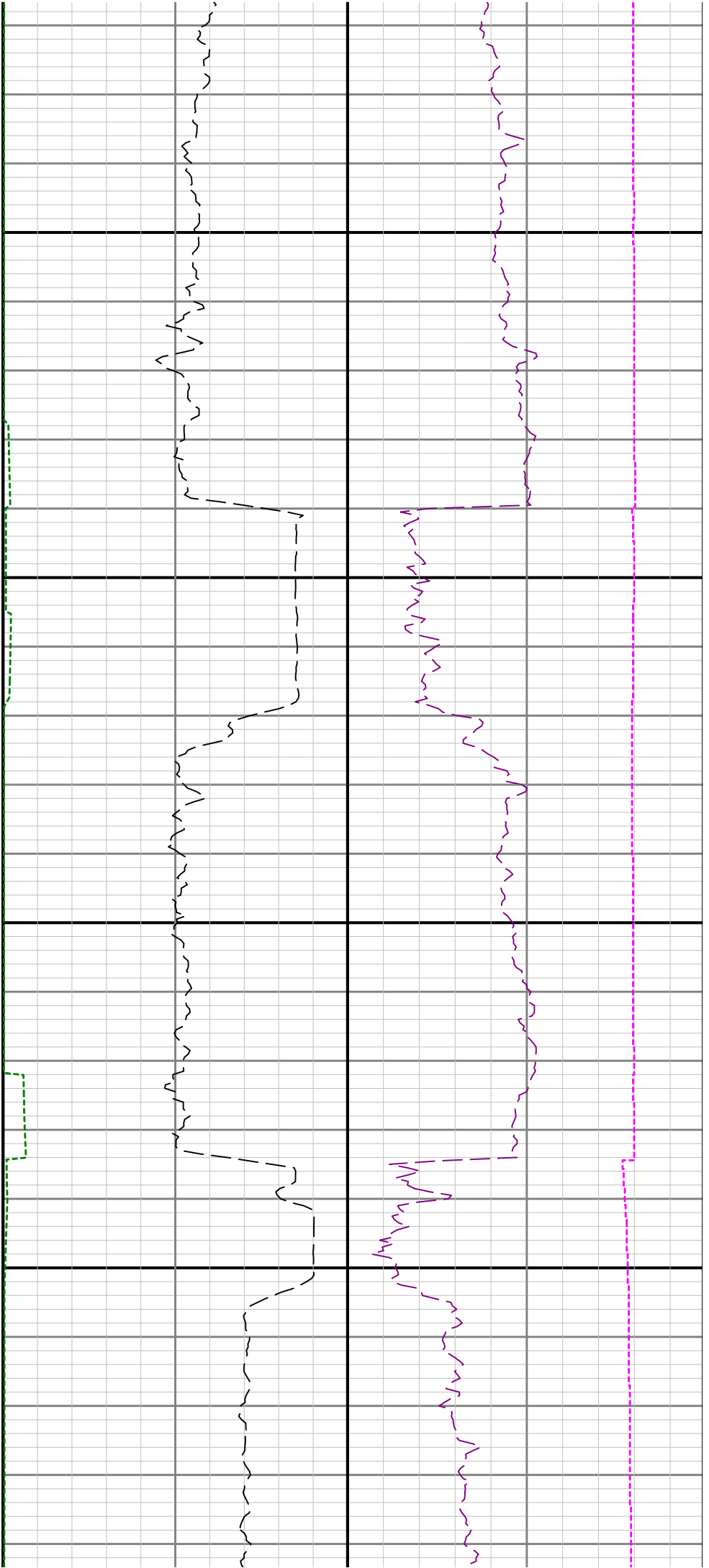
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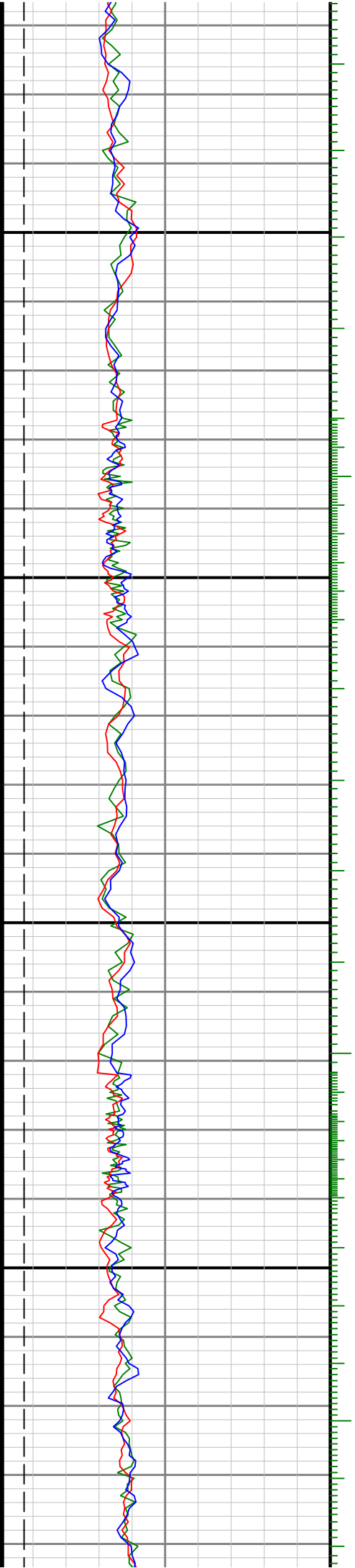


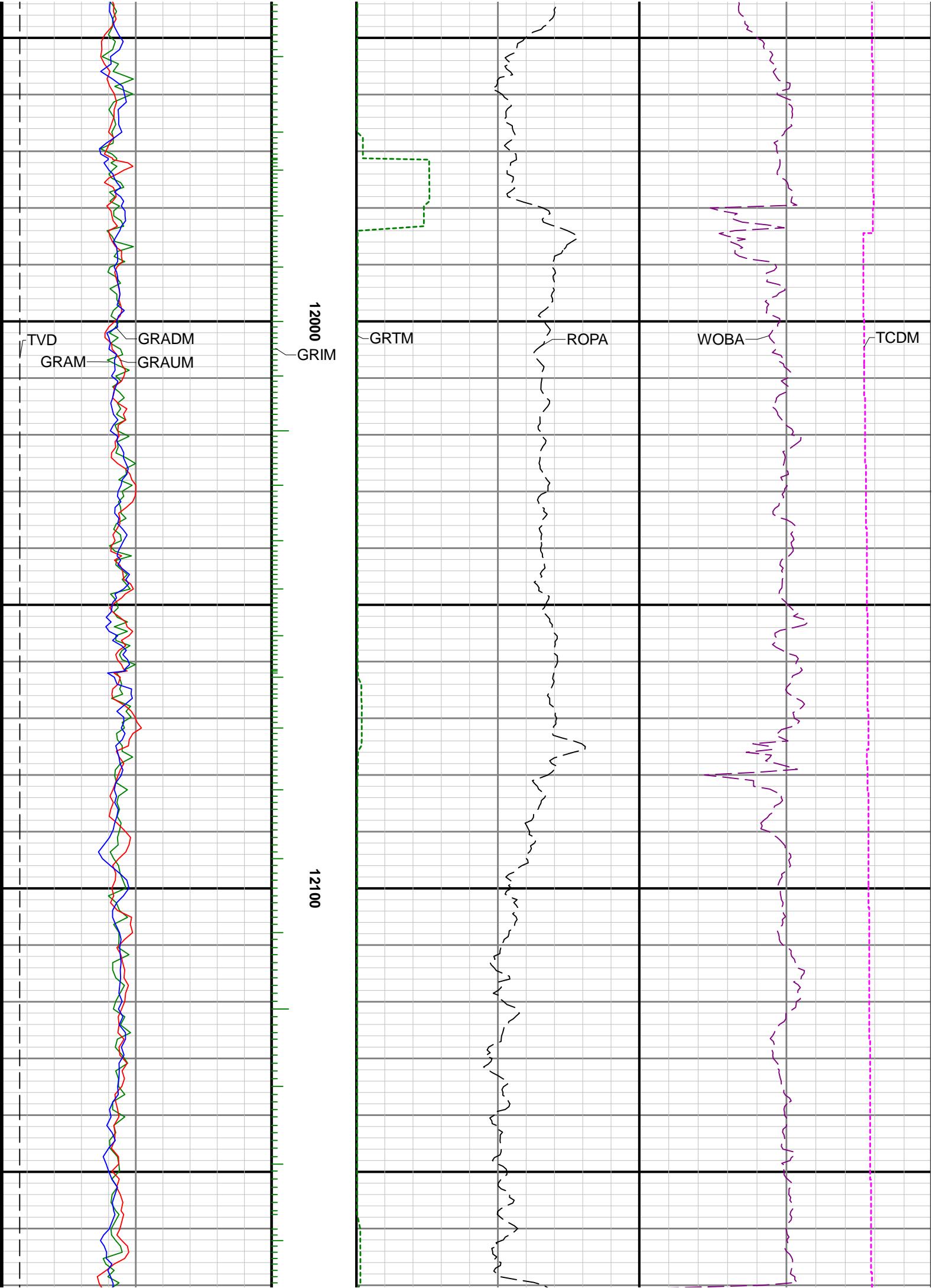


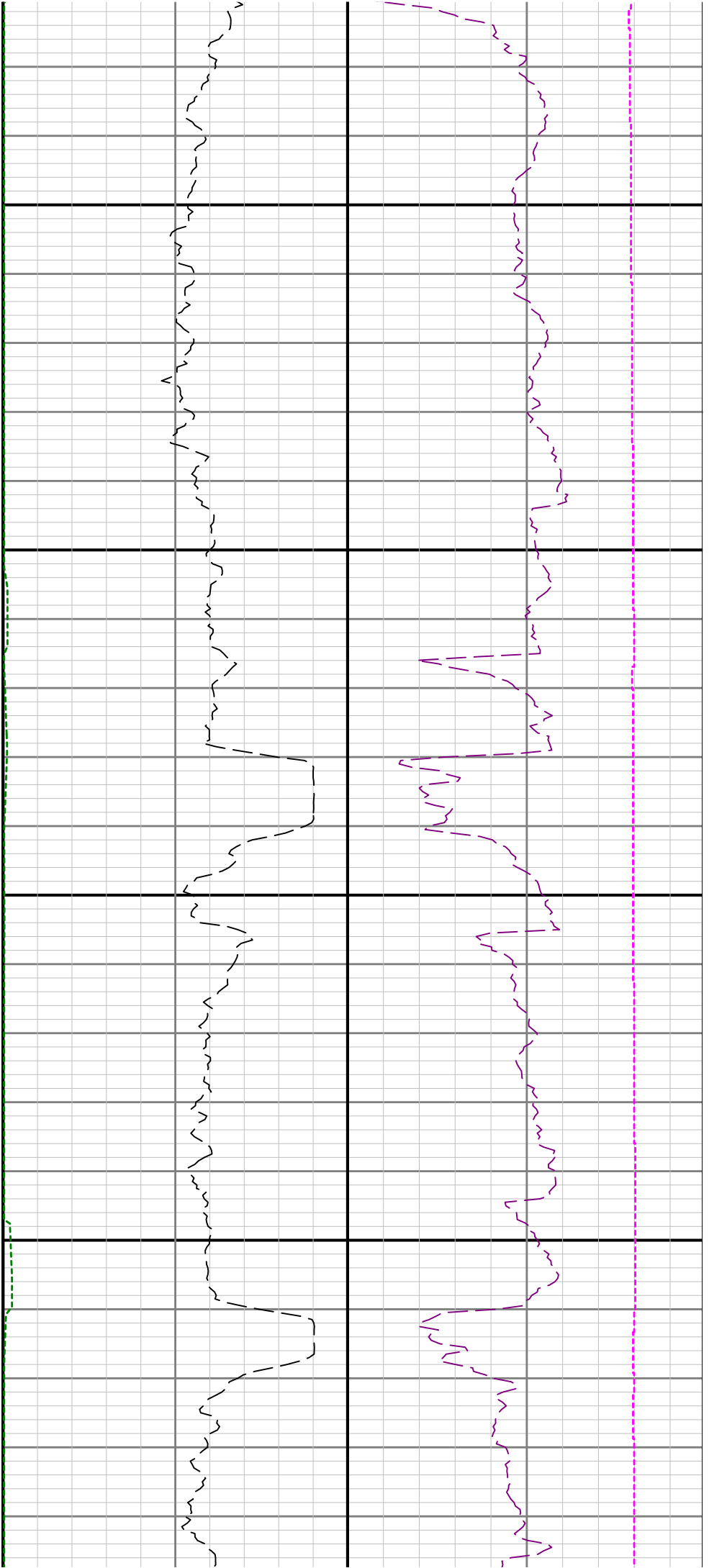


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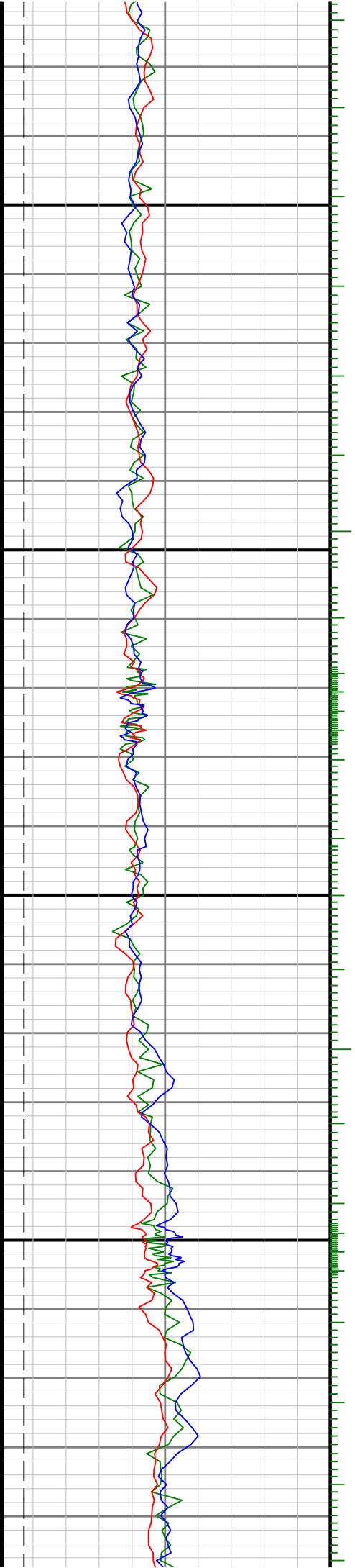


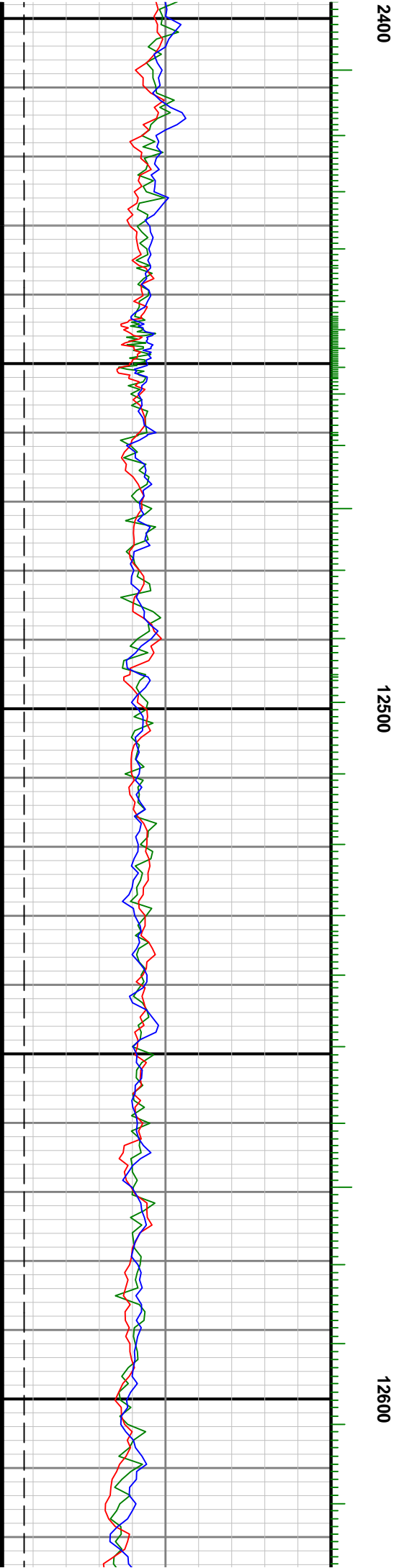


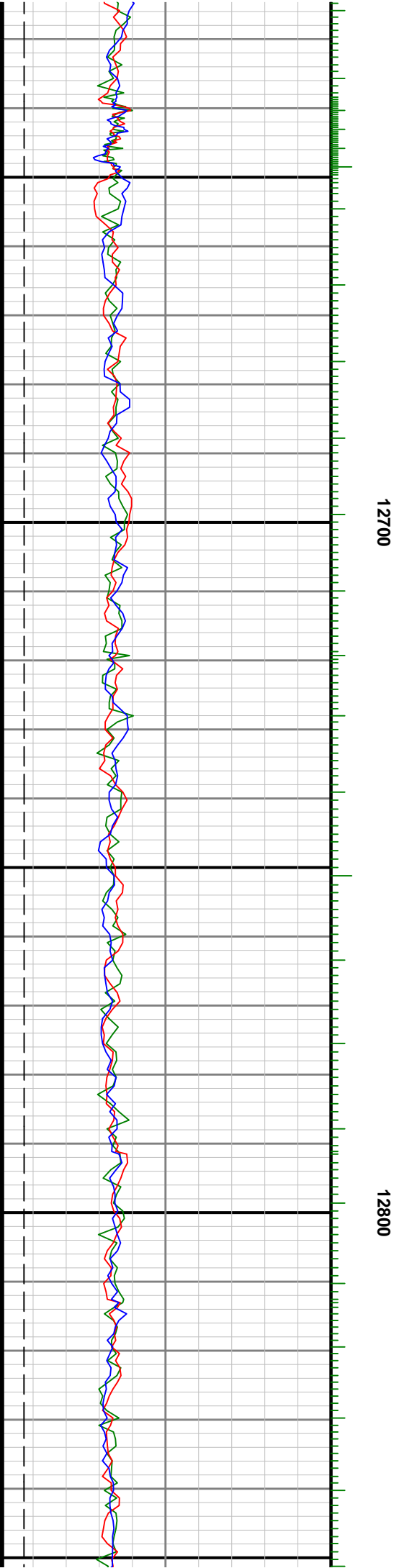
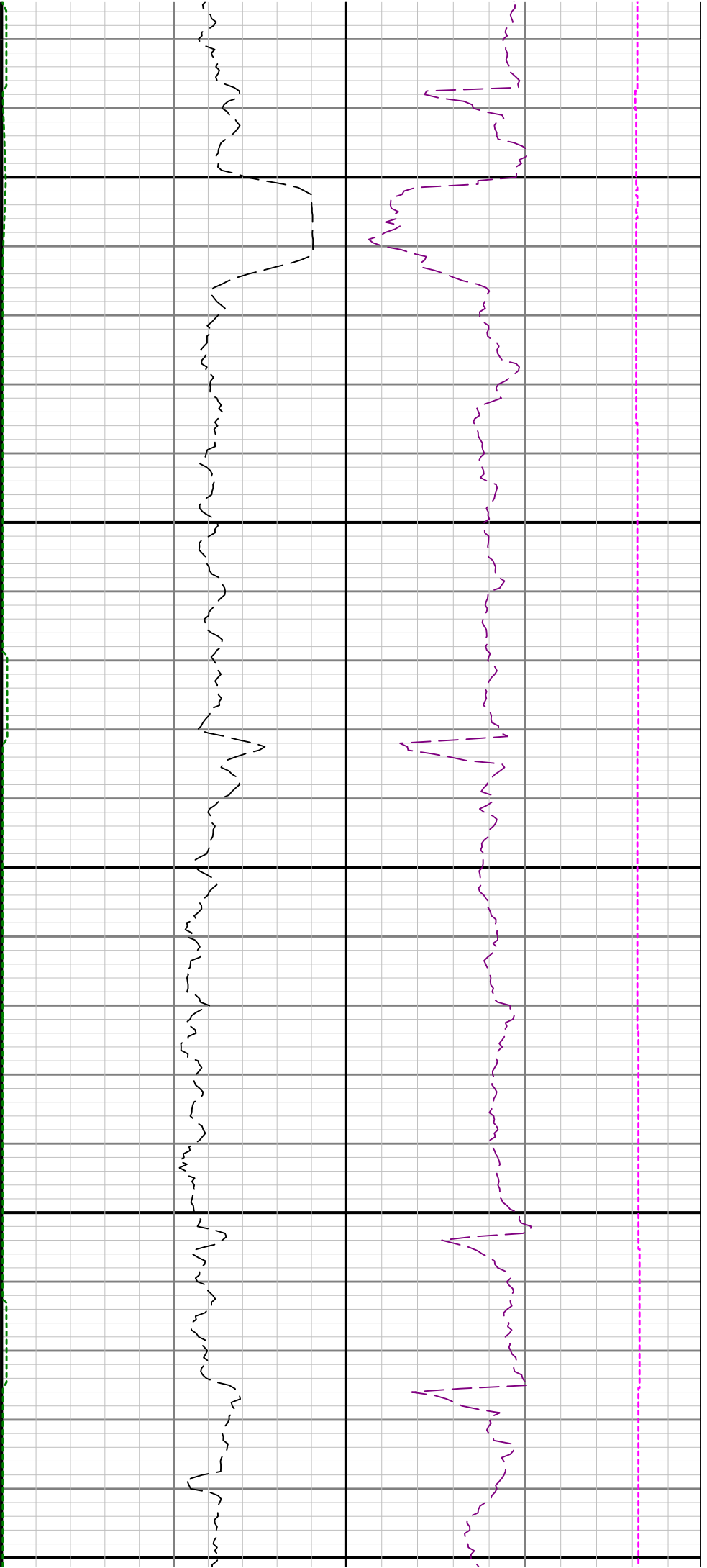
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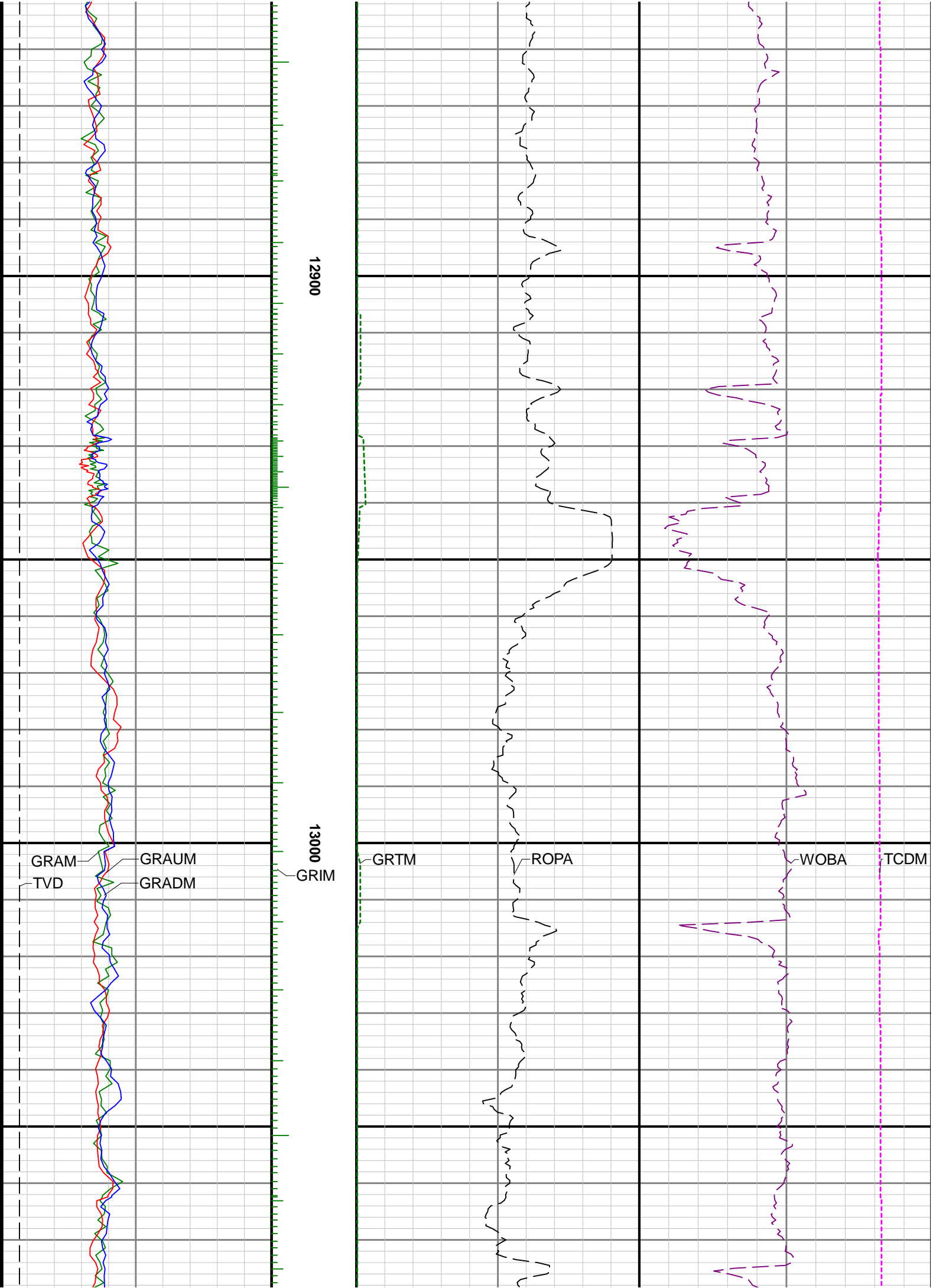
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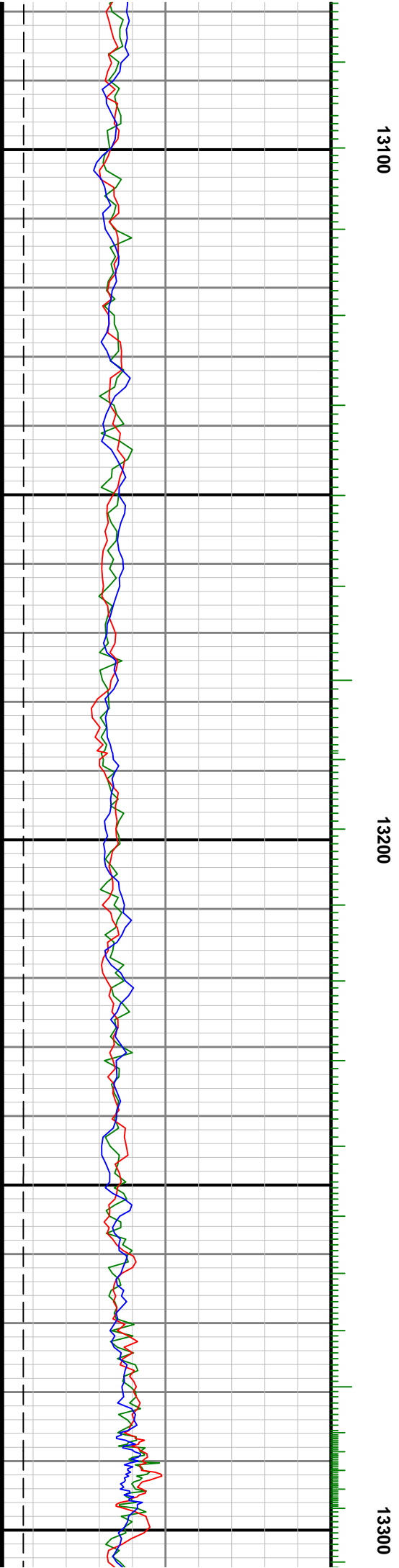
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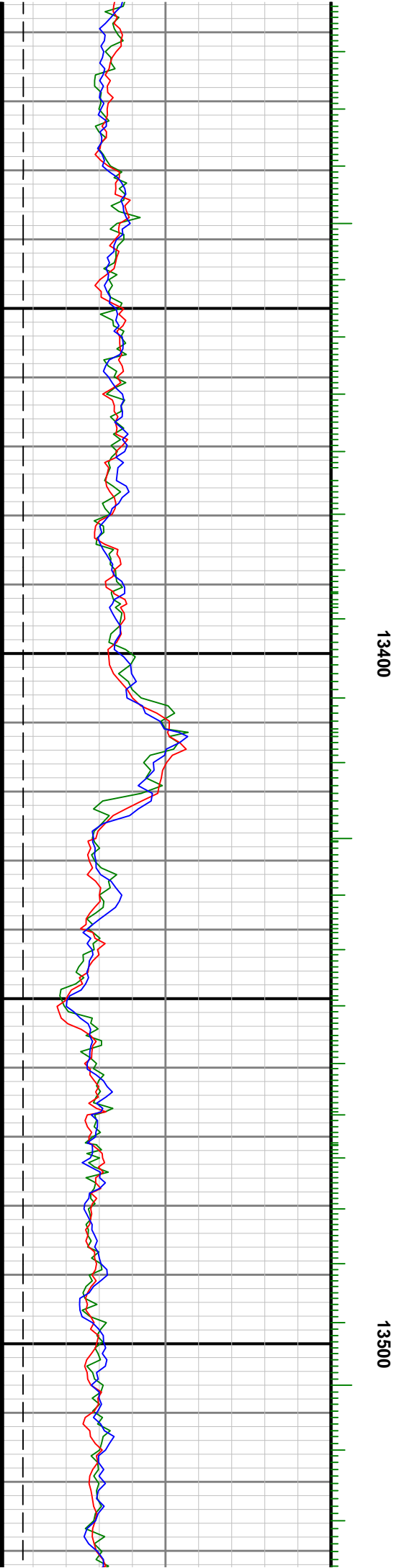
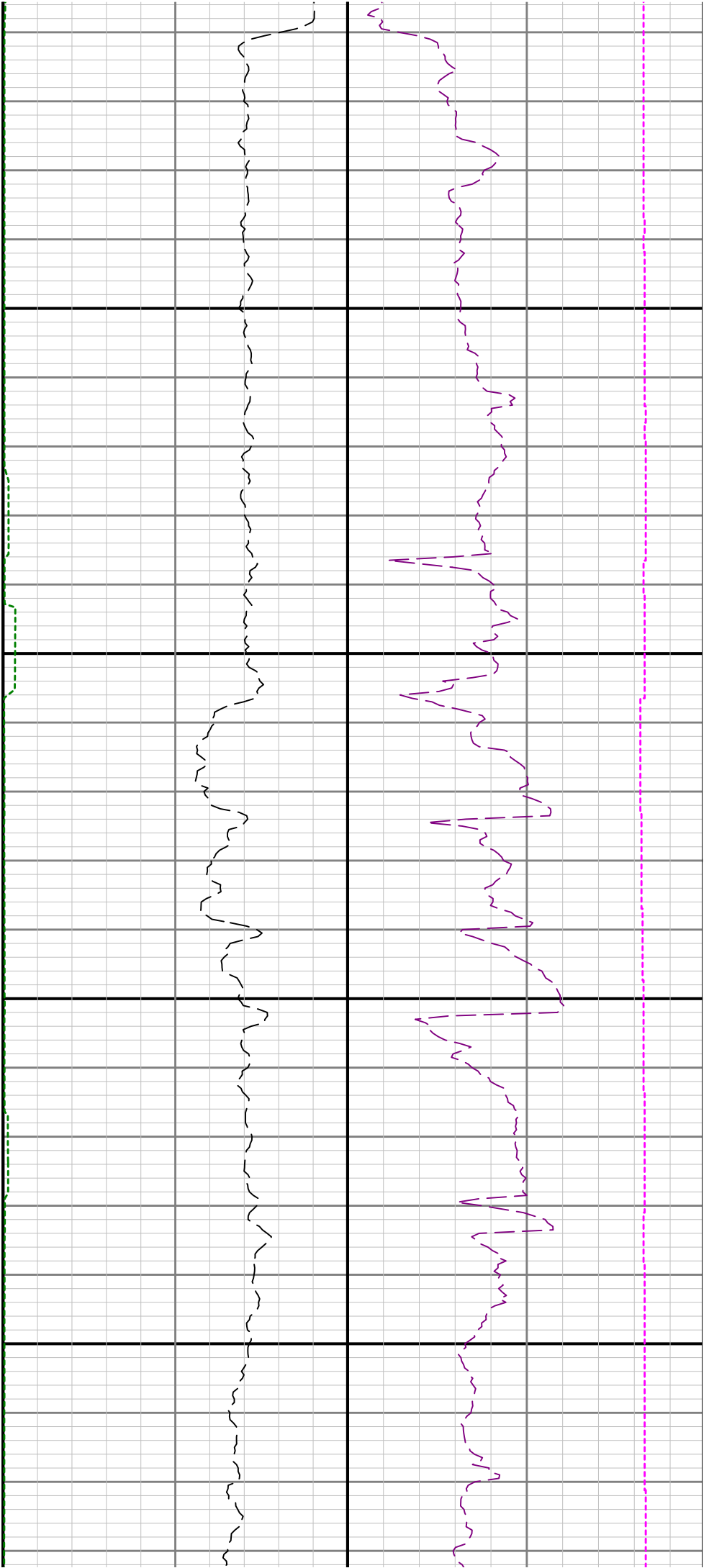


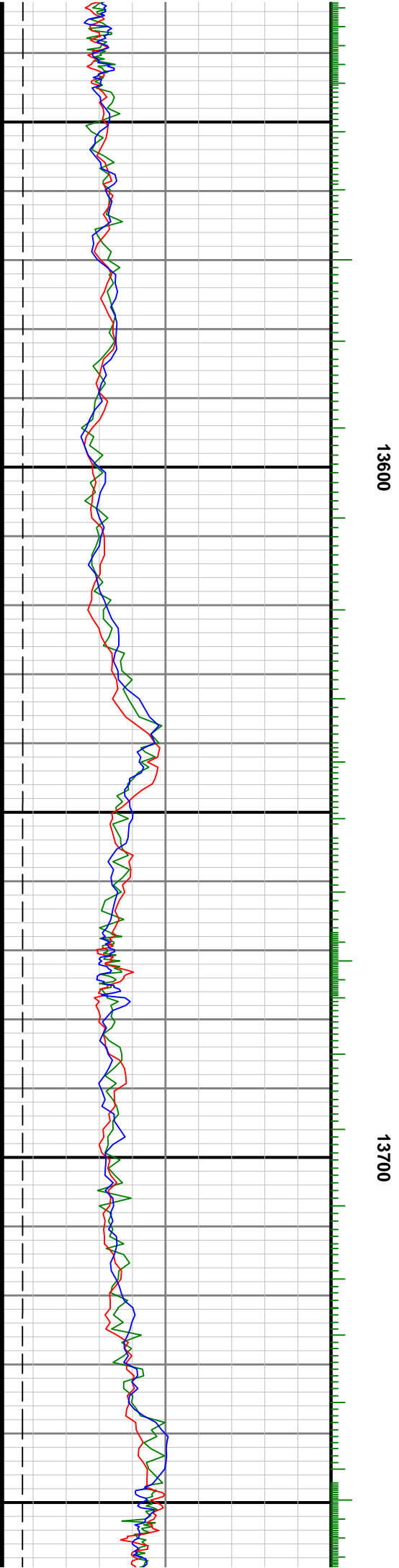
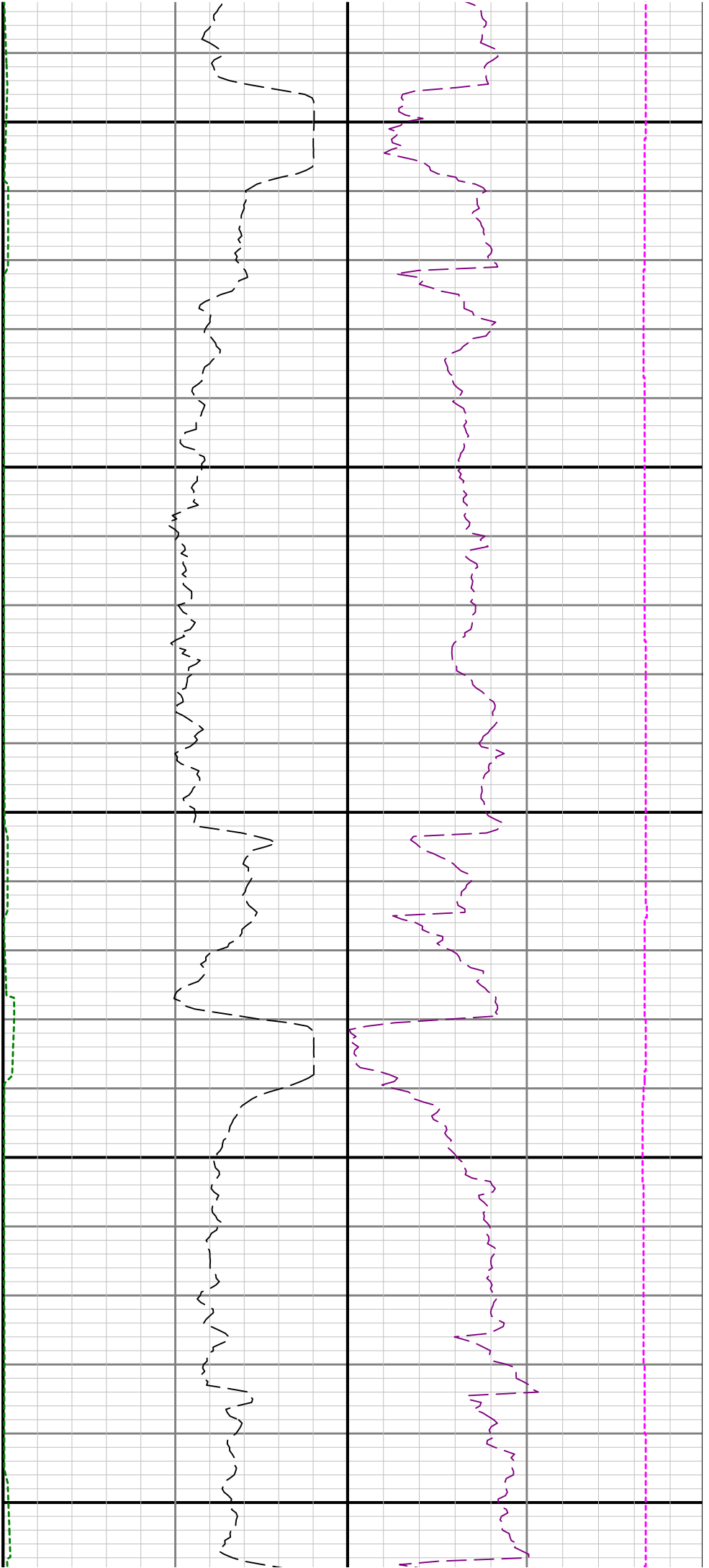


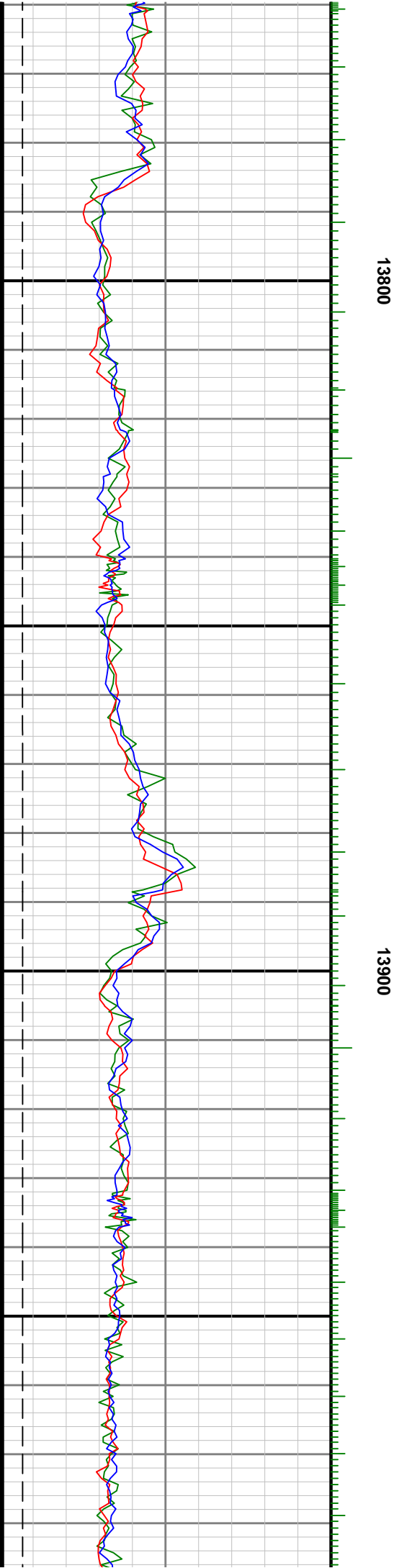
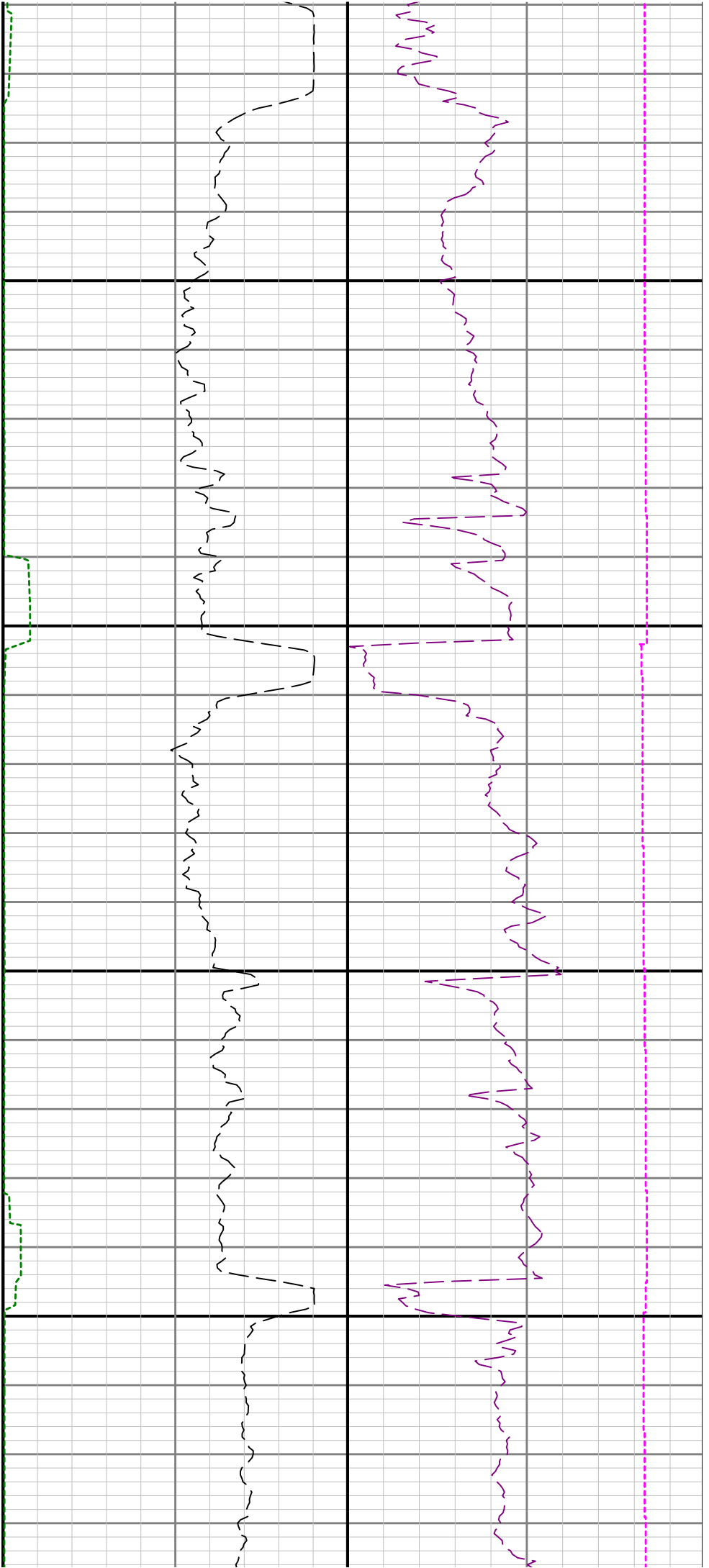


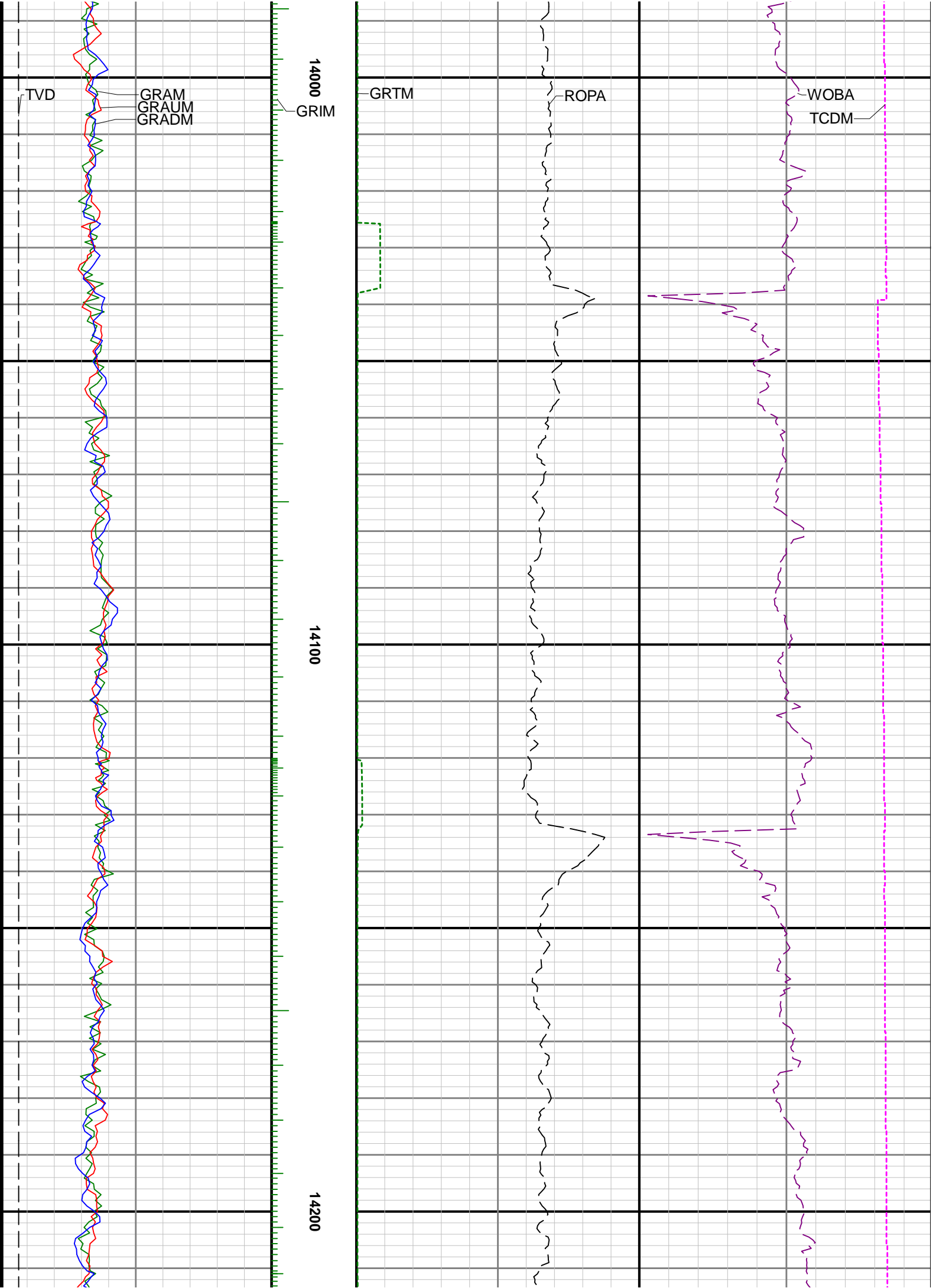


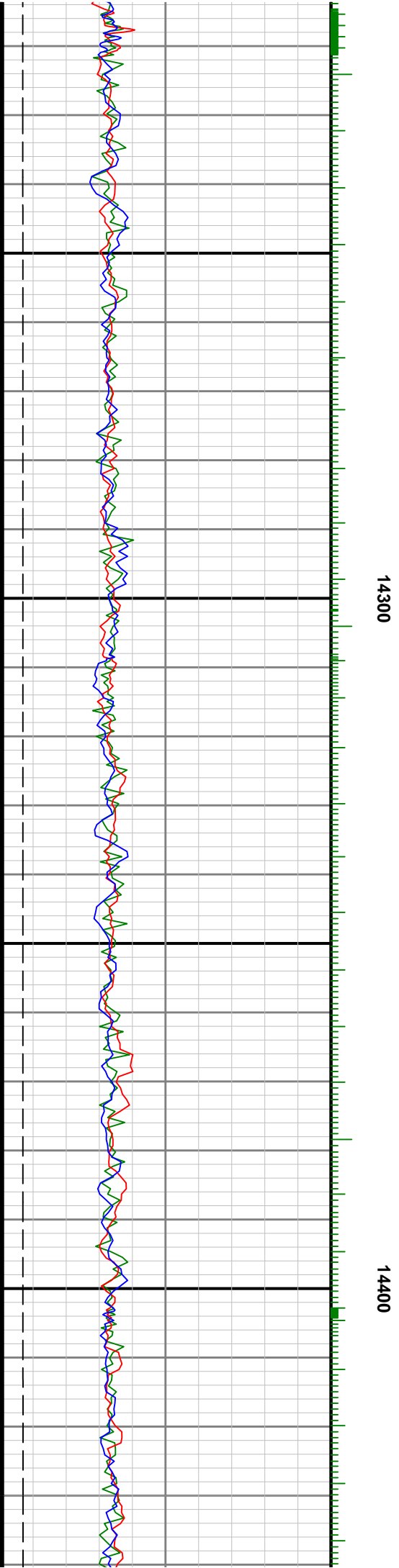
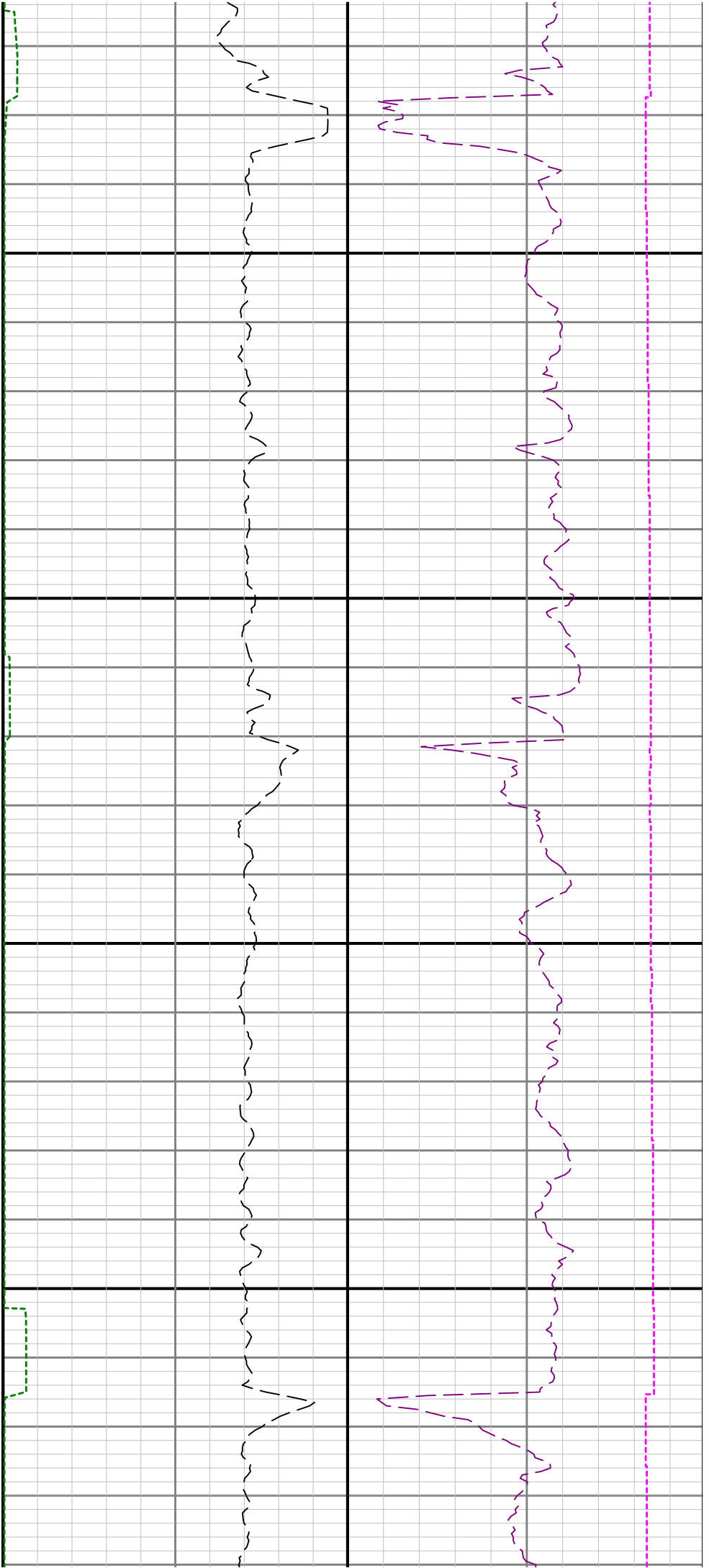


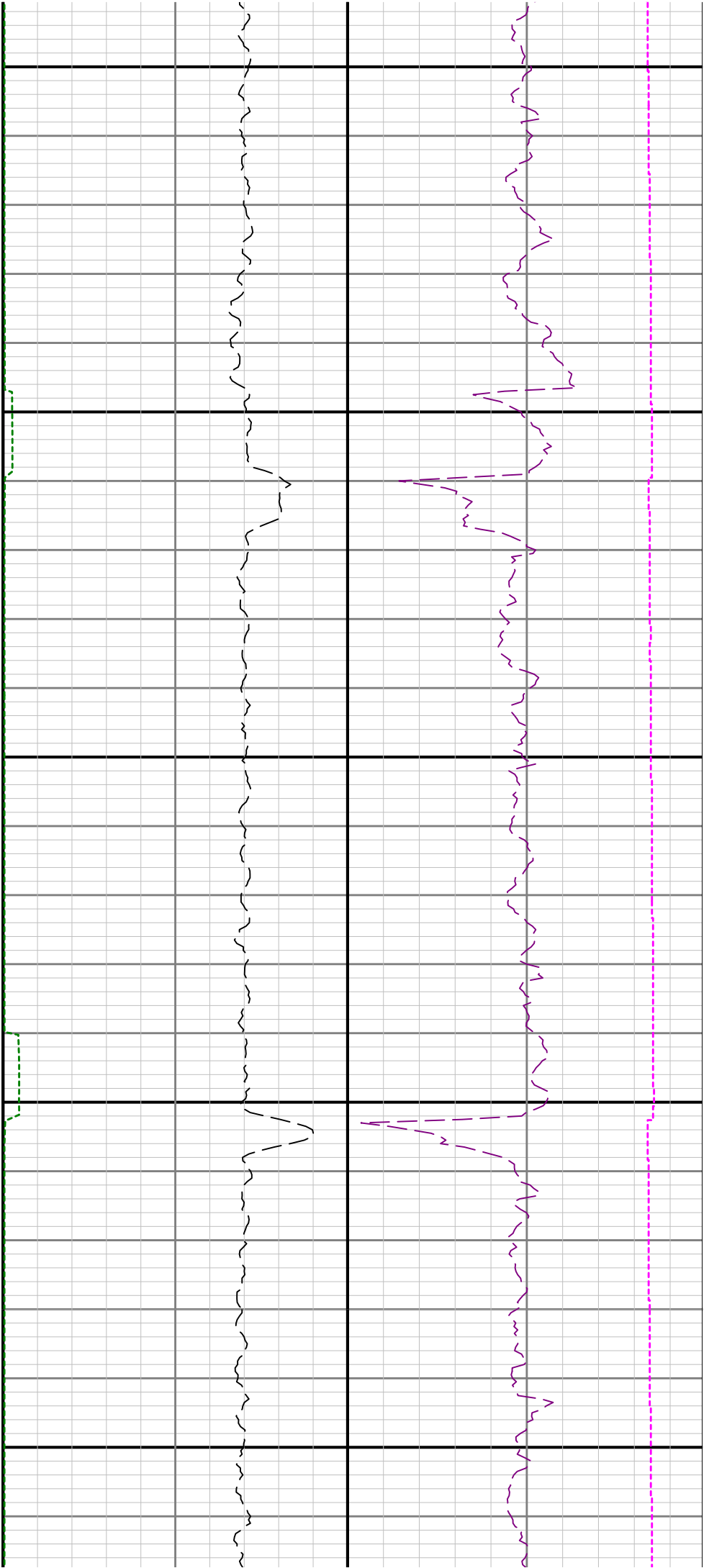












14500

14600

