



2017-11-02 04:00	7	16500.00	Diesel-Oil Based Mud	10.2	46	N/A	10.0	72/28	Active Pit	40000	0.00
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Equipment and Service Data

Run No.	Tool	Serial Number	Measurement	Sensor Offset (ft)	Bit Offset (ft)	Max O.D. (in)	Min I.D. (in)
2	ATC_SU	14292953	Near Bit Inclination	5.93	6.73	7.000	4.330
2	ATC_SU	14292953	Near Bit VSS	5.93	6.73	7.000	4.330
2	ATC_MWD	12271546	Gamma (single)	2.20	12.33	7.000	3.250
2	ATC_MWD	12271546	Directional (mag)	12.27	22.40	7.000	3.250
3	ATC_SU	14292953	Near Bit VSS	5.93	6.73	7.000	4.330
3	ATC_SU	14292953	Near Bit Inclination	5.93	6.73	7.000	4.330
3	ATC_MWD	12271546	Gamma (single)	2.20	12.33	7.000	3.250
3	ATC_MWD	12271546	Directional (mag)	12.27	22.40	7.000	3.250
4	ATC_SU	14292953	Near Bit VSS	5.93	6.73	7.000	4.330
4	ATC_SU	14292953	Near Bit Inclination	5.93	6.73	7.000	4.330
4	ATC_MWD	12271546	Gamma (single)	2.20	12.33	7.000	3.250
4	ATC_MWD	12271546	Directional (mag)	12.27	22.40	7.000	3.250
5	ATC_SU	14292953	Near Bit Inclination	5.93	6.73	7.000	4.330
5	ATC_SU	14292953	Near Bit VSS	5.93	6.73	7.000	4.330
5	ATC_MWD	12271546	Gamma (single)	2.20	12.33	7.000	3.250
5	ATC_MWD	12271546	Directional (mag)	12.27	22.40	7.000	3.250
6	ATC_SU	14292953	Near Bit Inclination	5.93	6.73	7.000	4.330
6	ATC_SU	14292953	Near Bit VSS	5.93	6.73	7.000	4.330
6	ATC_MWD	12271546	Gamma (single)	2.20	12.33	7.000	3.250
6	ATC_MWD	12271546	Directional (mag)	12.27	22.40	7.000	3.250
7	ATC_SU	14292953	Near Bit Inclination	5.93	6.73	7.000	4.330
7	ATC_SU	14292953	Near Bit VSS	5.93	6.73	7.000	4.330
7	ATC_MWD	12271546	Gamma (single)	2.20	12.33	7.000	3.250
7	ATC_MWD	12271546	Directional (mag)	12.27	22.40	7.000	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	Baker Hughes LWD Run 1 utilized 8 inch NaviTrak service (Directional only) behind a 13 1/2 inch bit and steerable assembly from surface to 1800 feet MD (surface to 1788 feet TVD). No logging data was acquired during this run.
3	Baker Hughes LWD Runs 2, 3, 4, 5, 6 and 7 utilized 6 3/4 inch NaviGamma services (Gamma Ray and Directional) behind an 8 1/2 inch bit and rotary steerable assembly from 1800 to 19048 feet MD (1788 to 7280 feet TVD).
4	Gamma Ray Curve (GRAM) is presented 0 to 300 API per customer request.
5	Several gaps in Gamma Ray data are present from 1800 to 19048 feet MD (1788 to 7280 feet TVD) due to tool powering off while drilling ahead.

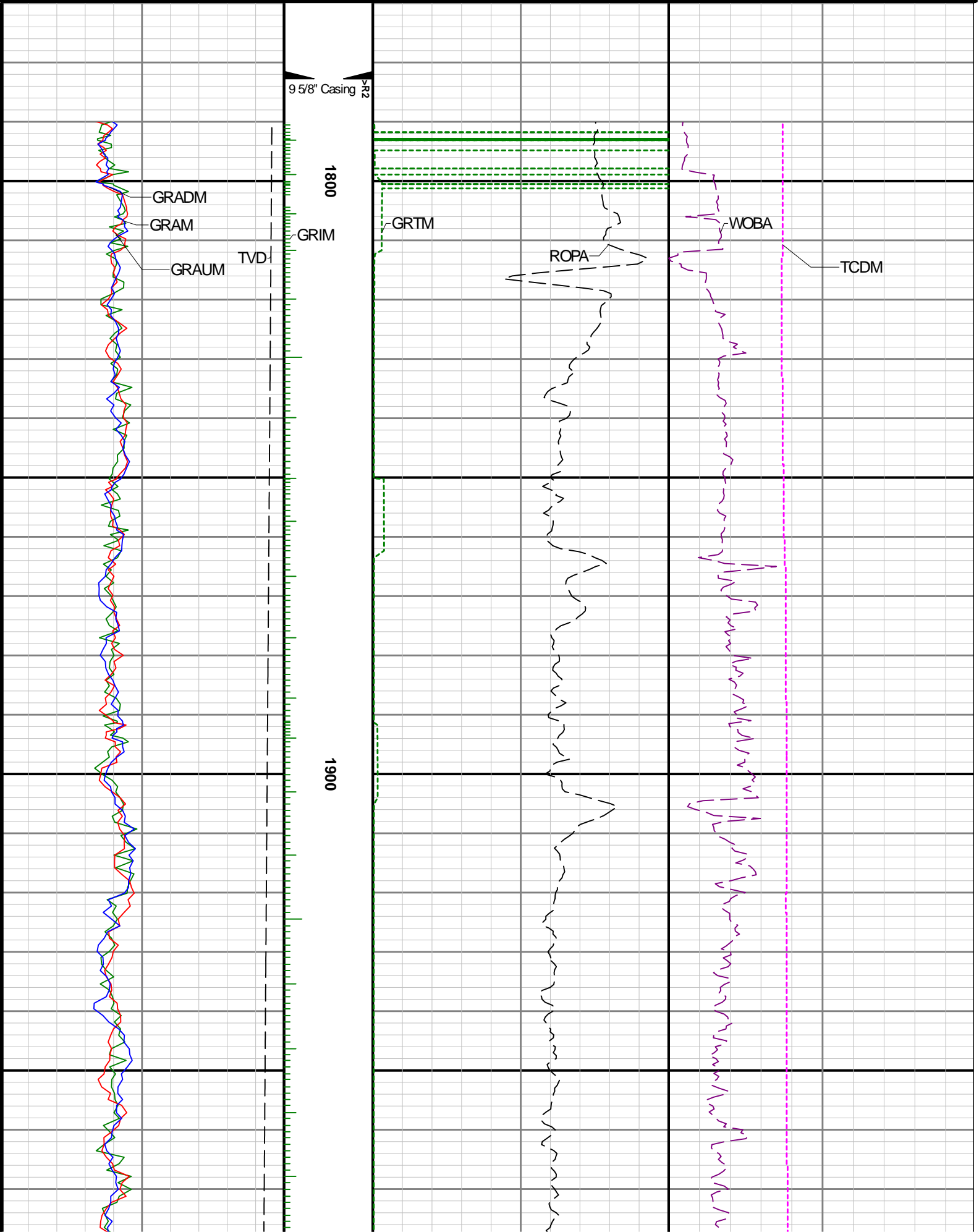
Remarks

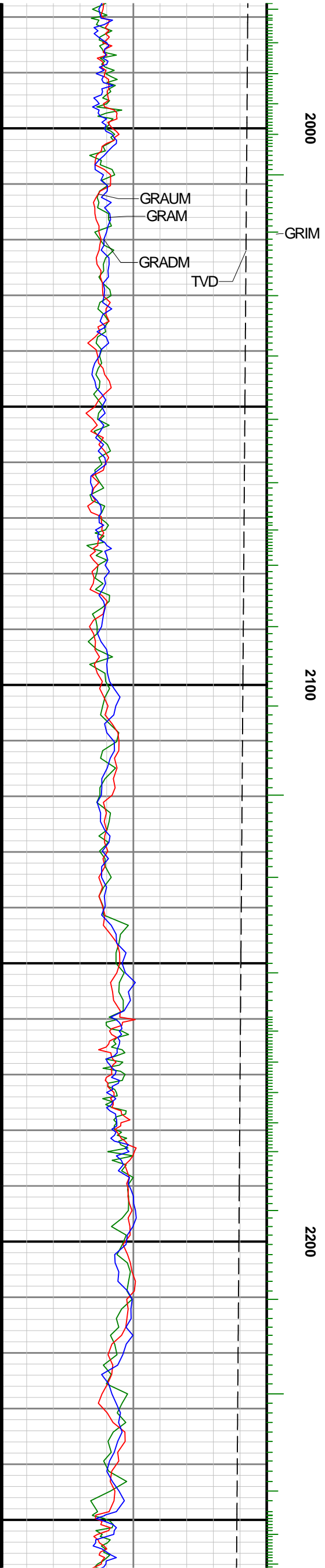
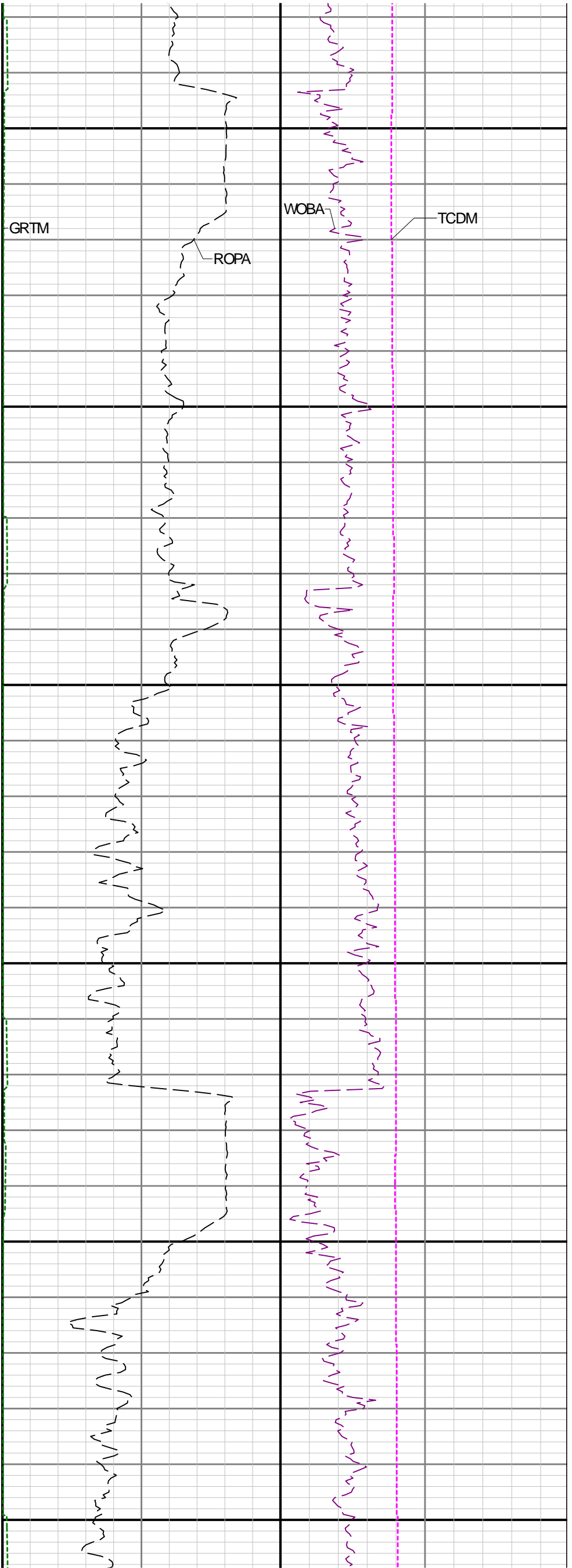
Number	Measured Depth (ft)	Hole Section (in)	Run No.	Remark
1	5480.00	8.500	2	The interval from 5469 to 5482 feet MD (5346 to 5359 feet TVD) was logged up to 10 hours after being drilled due to a trip out of the hole to pick up a new bit and motor.
2	10400.00	8.500	3	The interval from 10394 to 10407 feet MD (7274 feet TVD) was logged up to 17 hours after being drilled due to a trip out of the hole due to a tool failure.
3	10430.00	8.500	4	The interval from 10422 to 10435 feet MD (7275 feet TVD) was logged up to 1.4 days after being drilled due to a trip out of the hole due to a tool failure.
4	13085.00	8.500	5	The interval from 13075 to 13088 feet MD (7289 feet TVD) was logged up to 1.3 days after being drilled due to a trip out of the hole for hole conditions and for a tool failure.
5	19040.00	8.500	7	The interval from 19030 to 19048 feet MD (7280 feet TVD) was not logged due to sensor to bit offset at well TD.

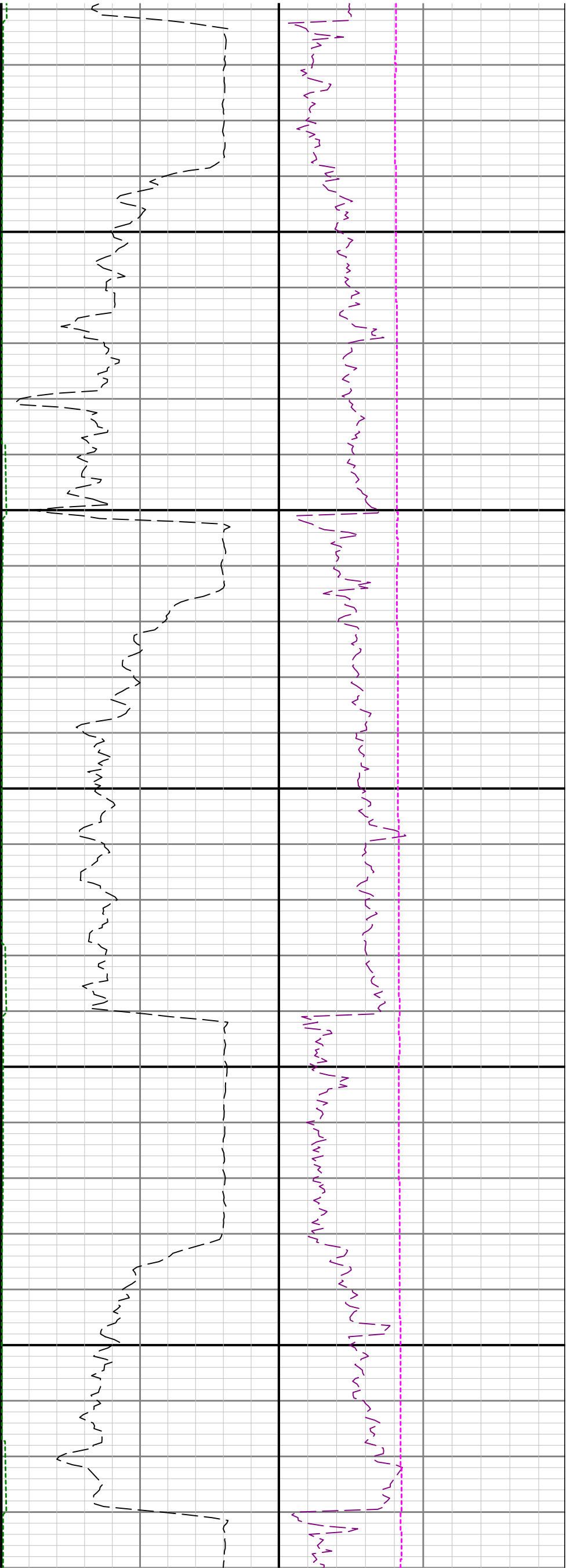
Curve Mnemonics

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	OnTrak - Gamma Ray - Apparent - Memory 0.5 ft Average	API
GRIM	OnTrak - Gamma Ray - Data Point Indicator - Memory	unitless
GRTM	OnTrak - Gamma Ray - Time Since Drilled - Memory	min
GRADM	OnTrak - Gamma Ray - Apparent - Down Quadrant - Memory 0.5 ft Average	API
GRAUM	OnTrak - Gamma Ray - Apparent - Up Quadrant - Memory 0.5 ft Average	API

<div><div><div>BAKER HUGHES</div></div></div>	Company	SRC Energy			
	Well	Falken 33C-9-L			
	Interval	Date From:	2017-10-26 14:55:02	Top:	1790.00
	Created	Date To:	2017-11-02 17:52:08	Bottom:	19048.00
		2017-11-03	17:16:56		
Gamma Ray - Apparent 0.5 ft Average GRAM	MD 1:240 feet	0	300	Gamma Time Since Drilled GRTM	Weight On Bit, Average 1 ft Average WOBA
API		0	600	0	50
Azimuthal Gamma Ray - Apparent - Up Quadrant 0.5 ft Average GRAUM		min		klb	
0		300	Depth Averaged ROP 3 ft Average ROPA	Downhole Temperature TCDM	
API		1000	0	0	275
Azimuthal Gamma Ray - Apparent - Down Quadrant 0.5 ft Average GRADM		ft/h		degF	
0	300				
API					
True Vertical Depth TVD					
8000	1500				
ft					



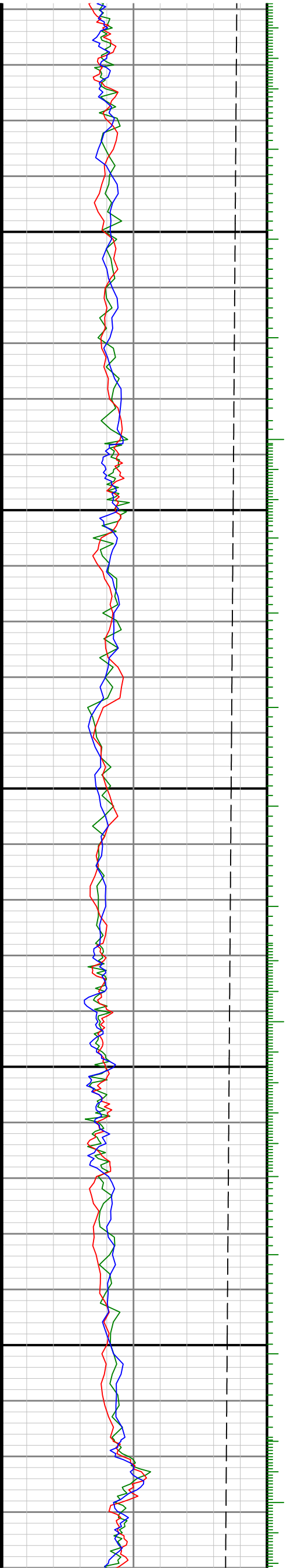


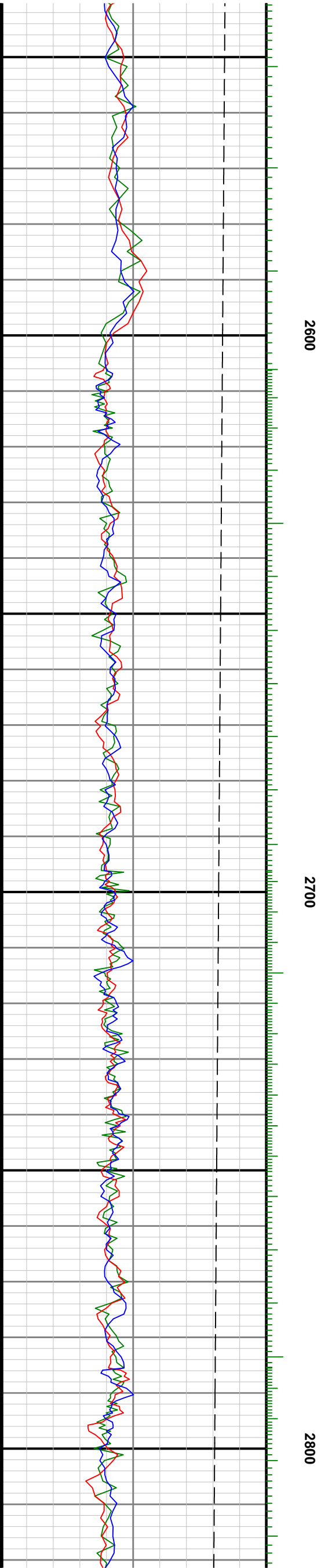
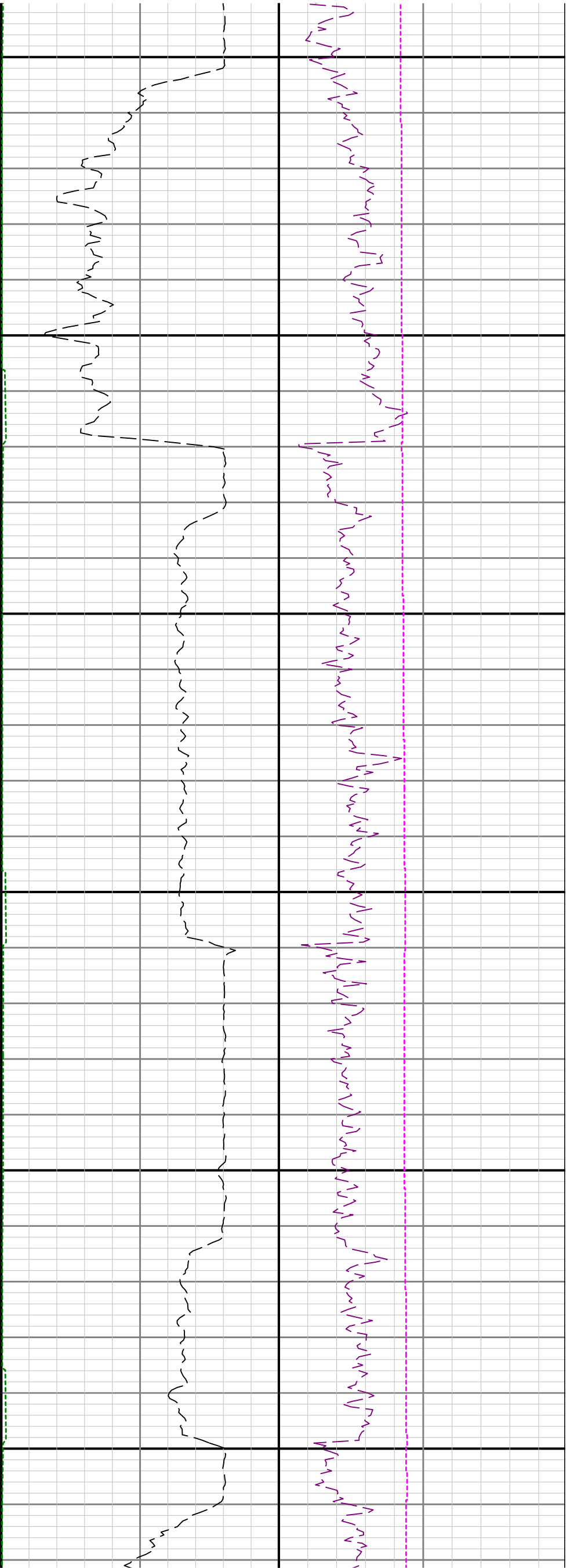


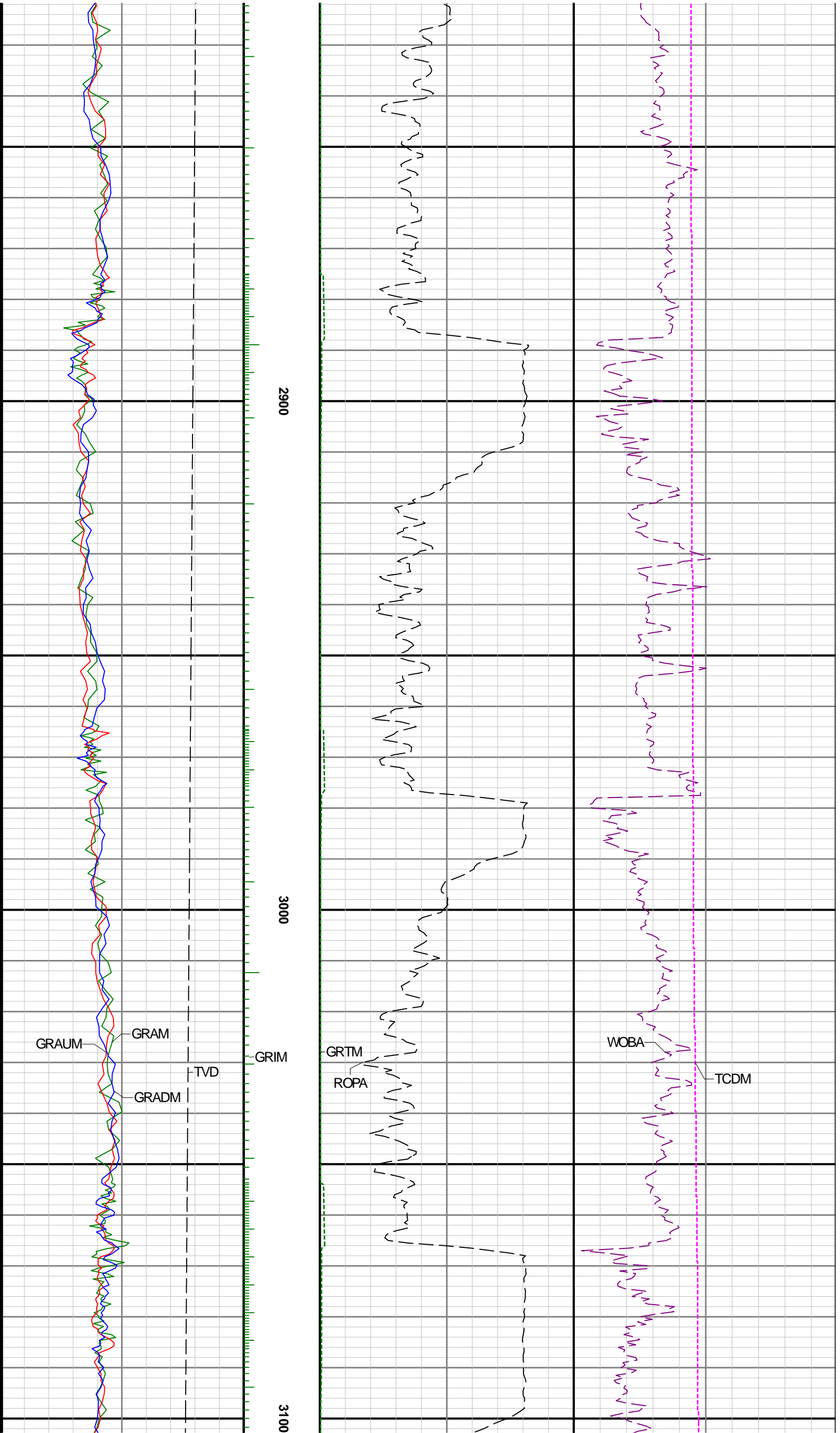
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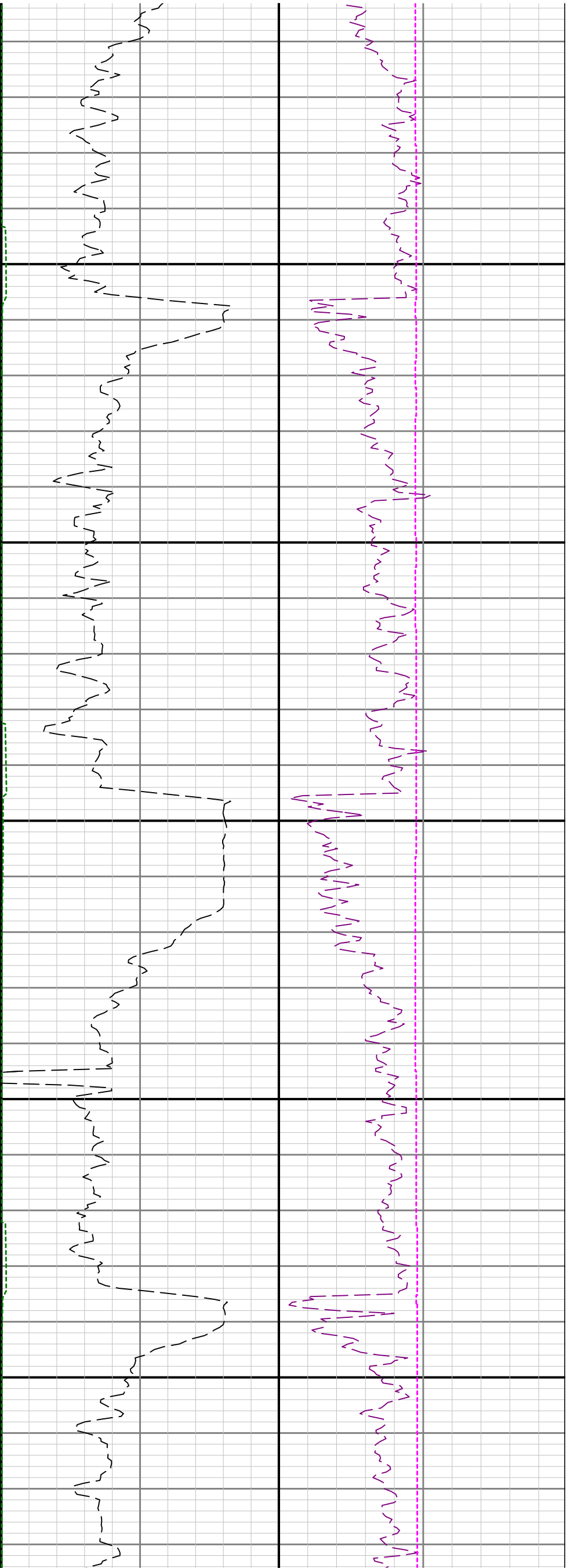
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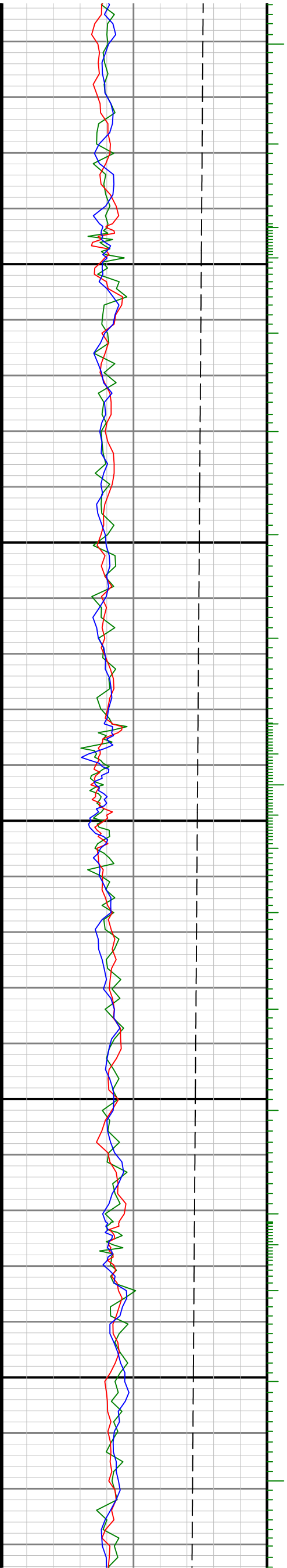




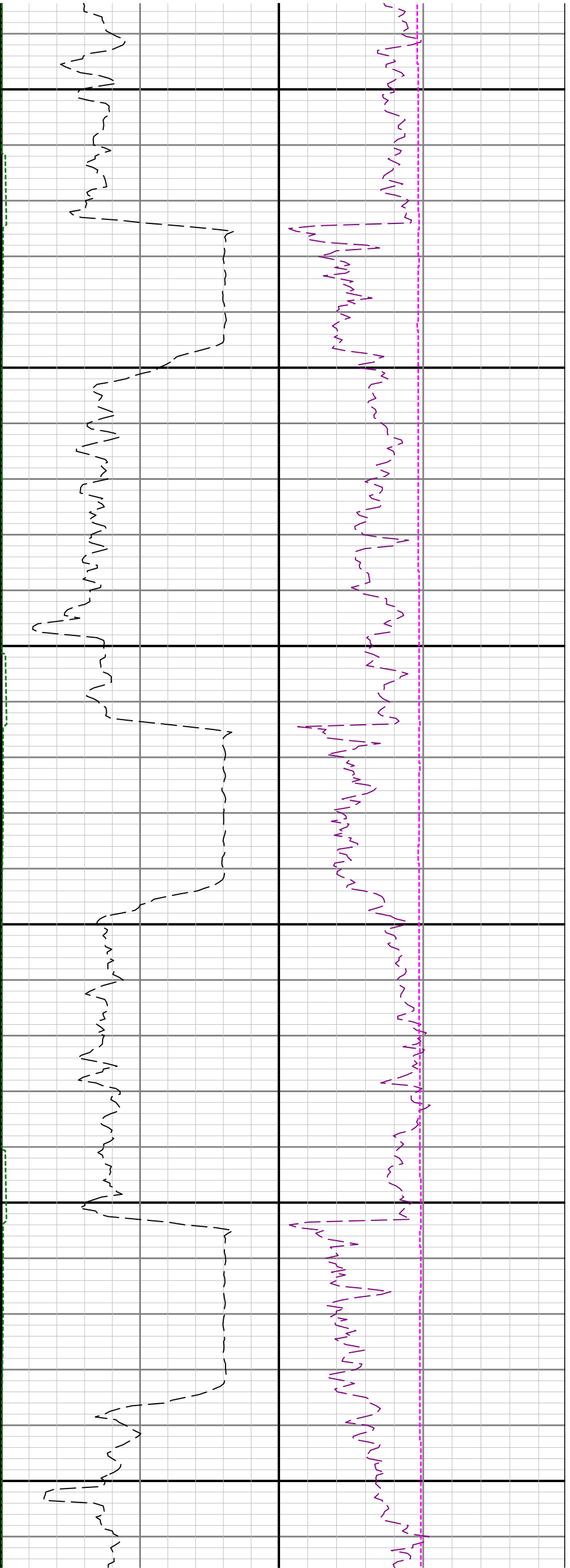


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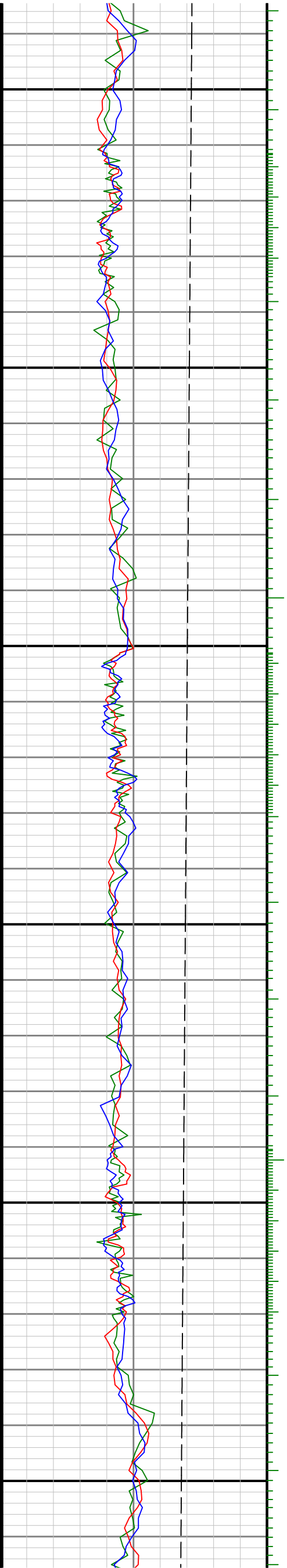


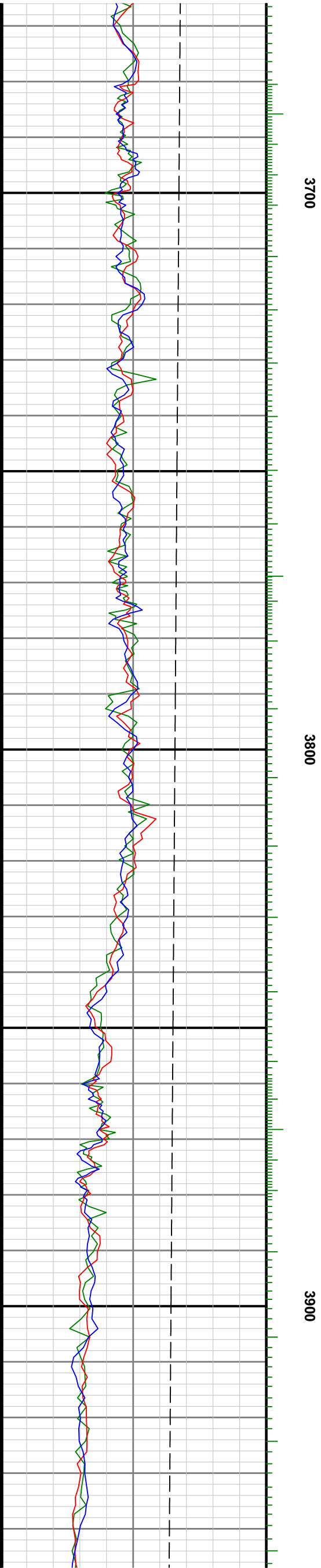
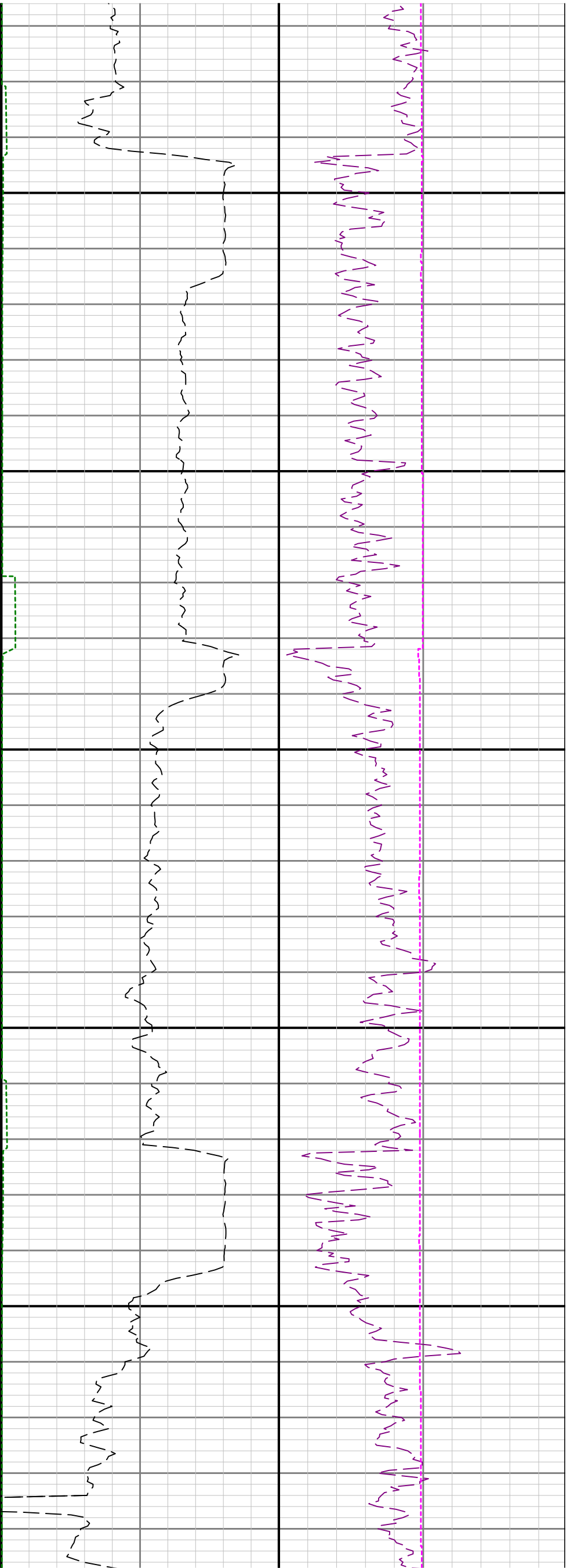


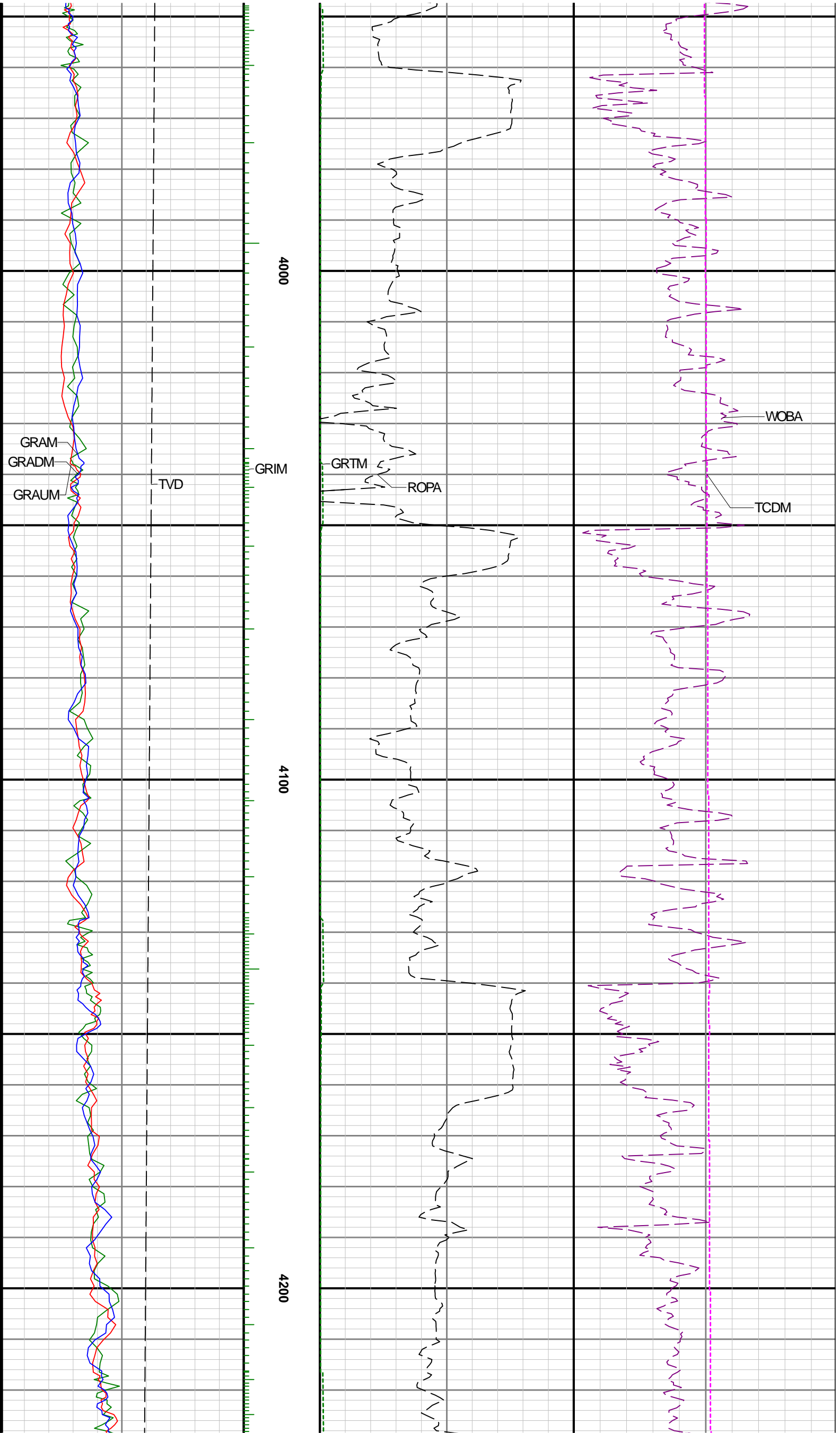
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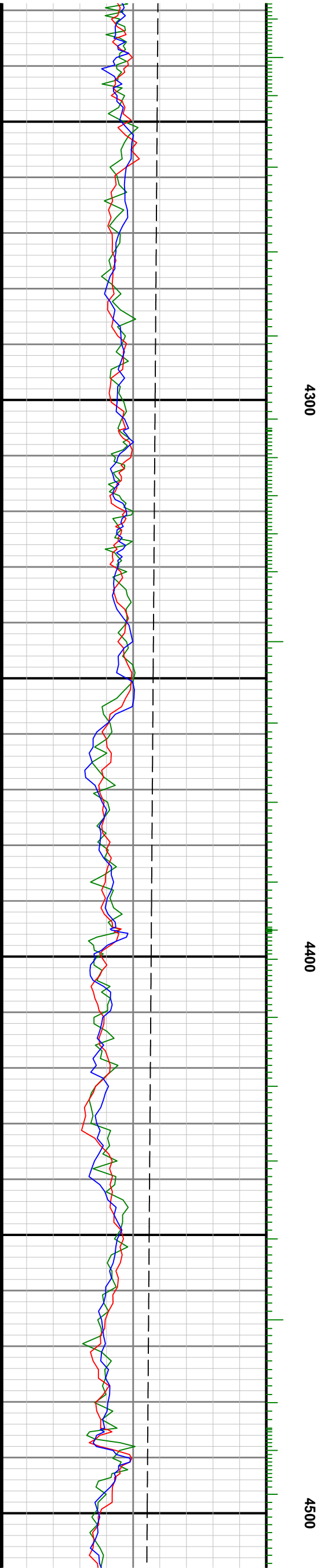
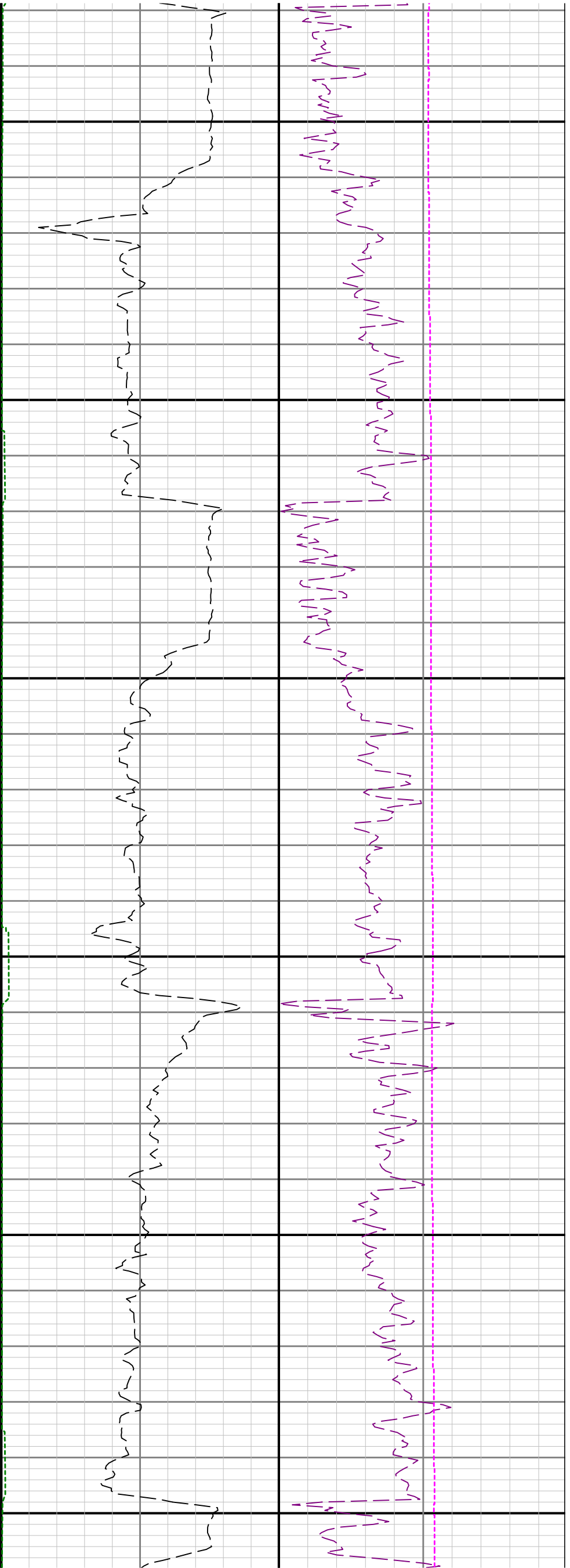
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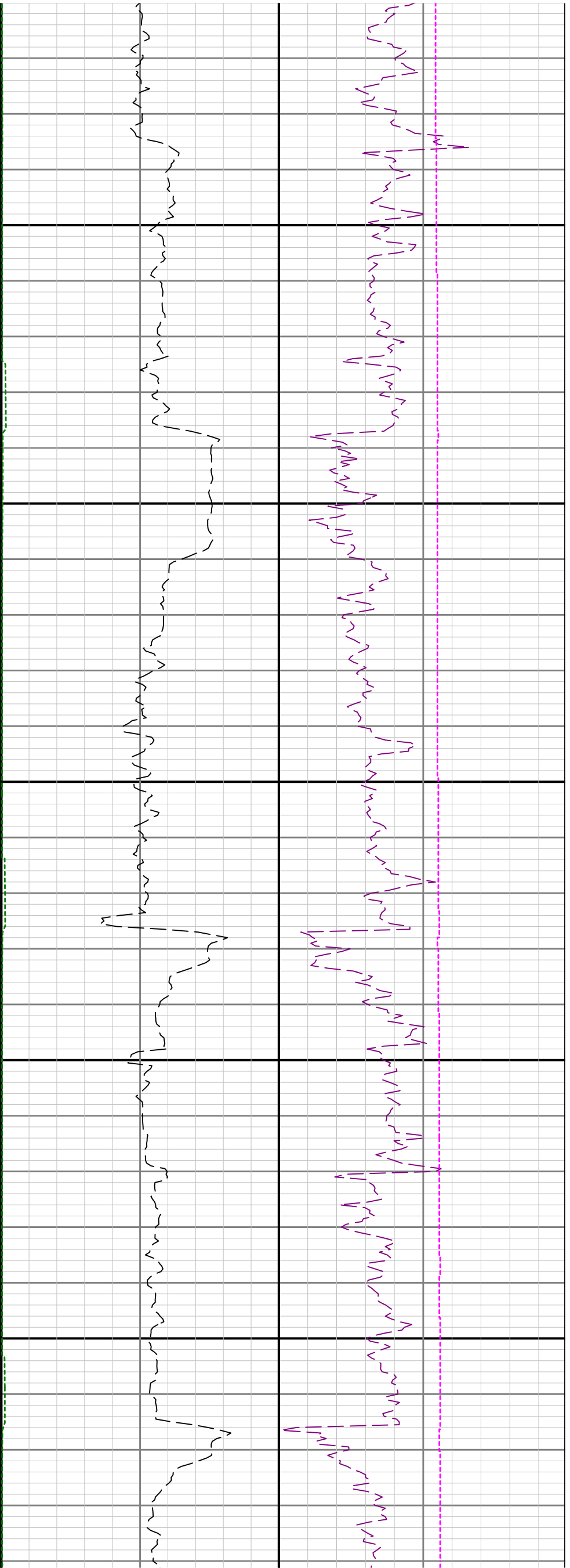
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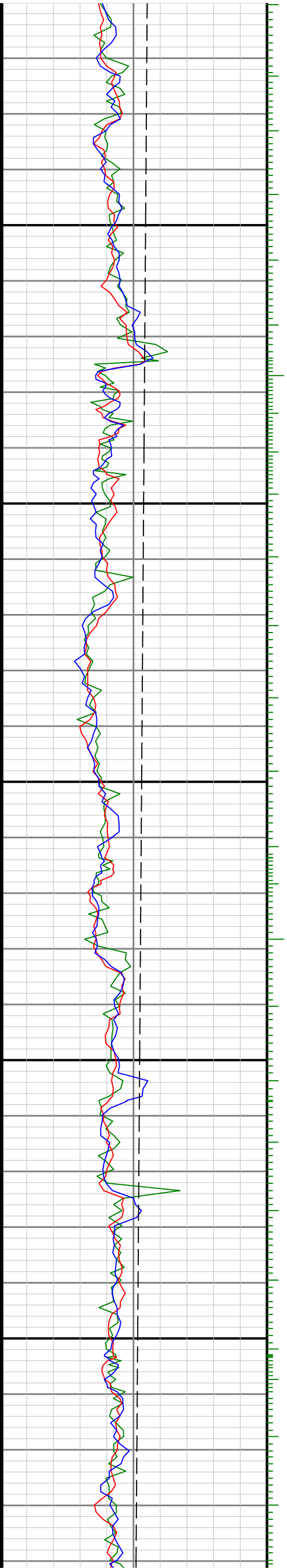


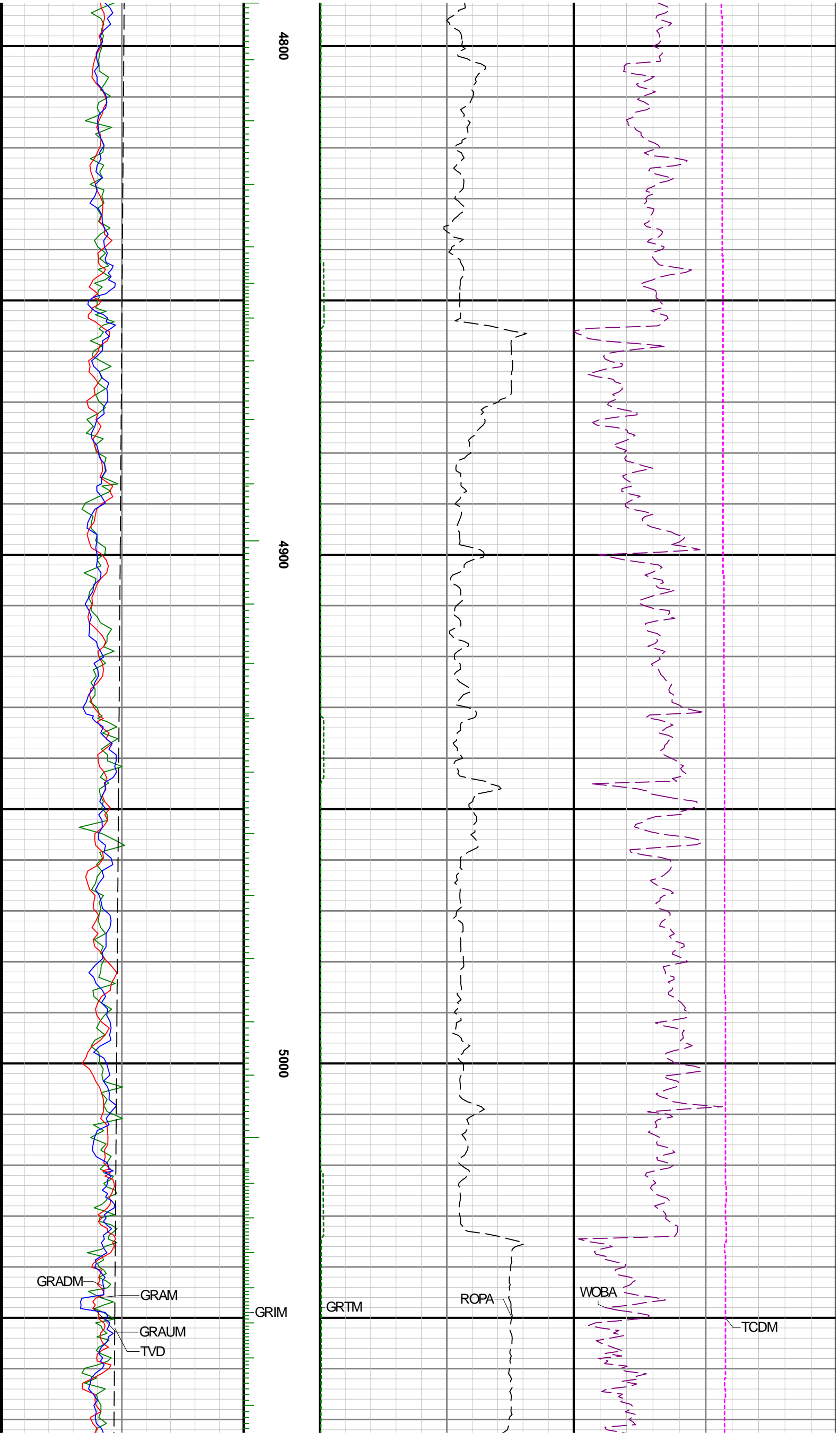


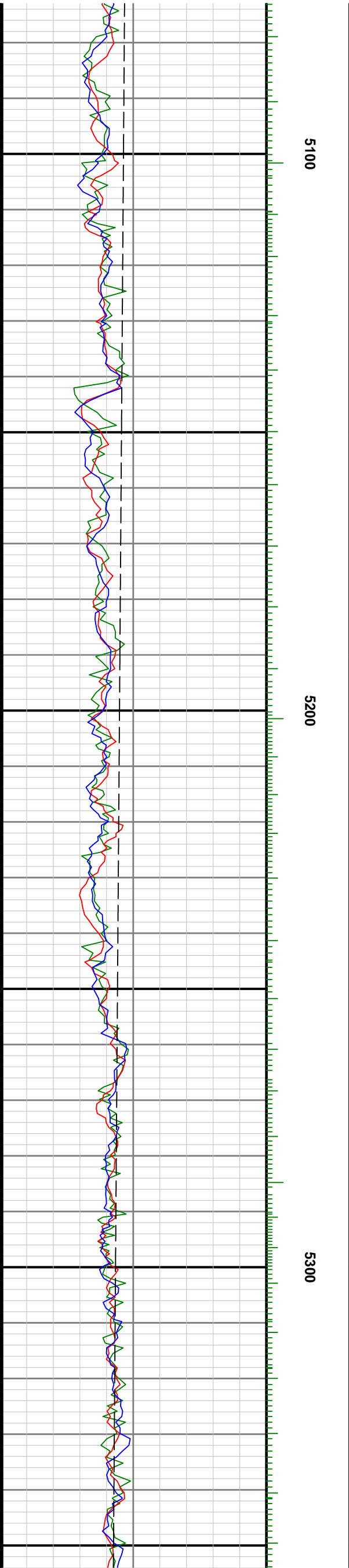
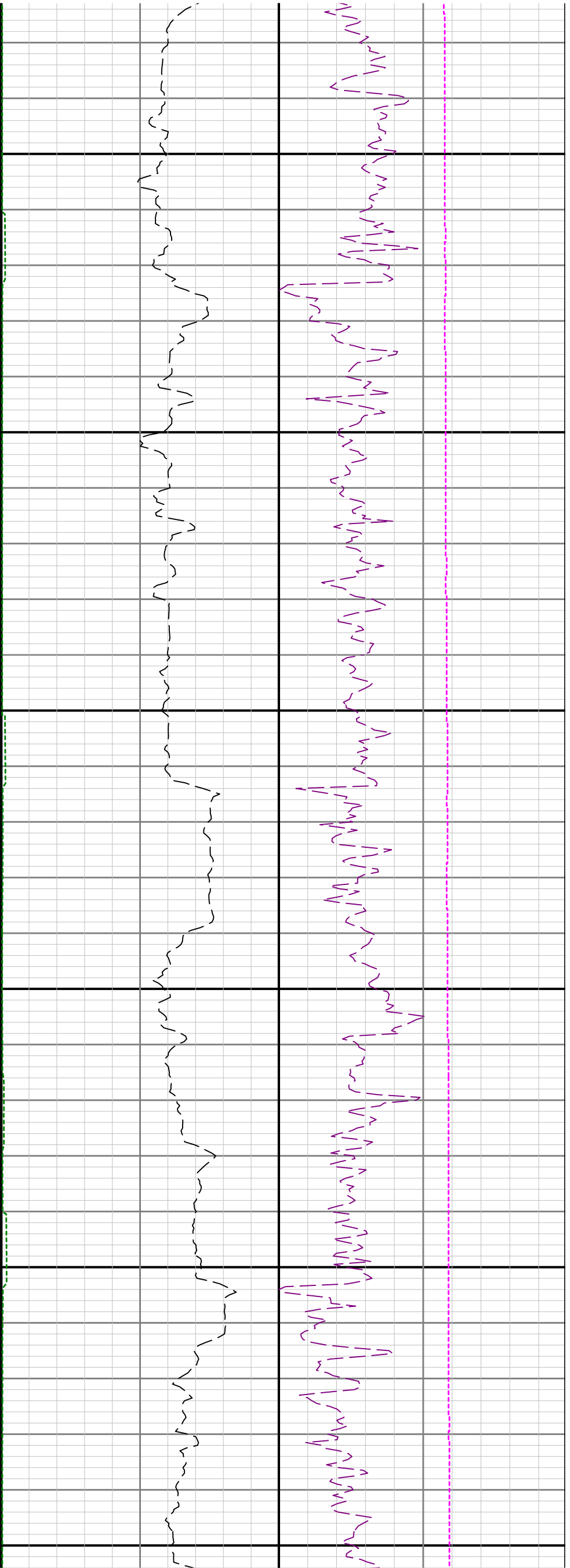


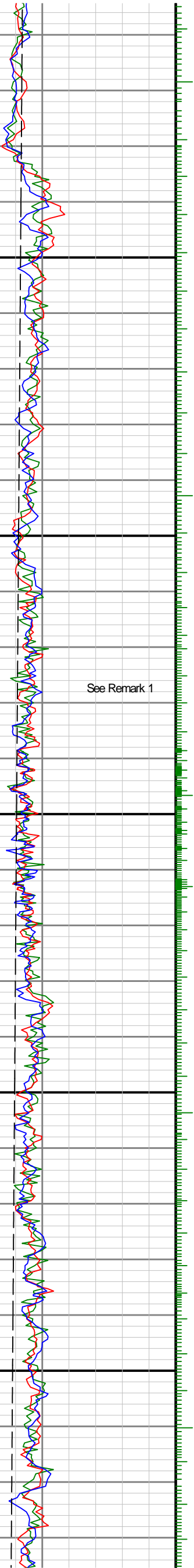
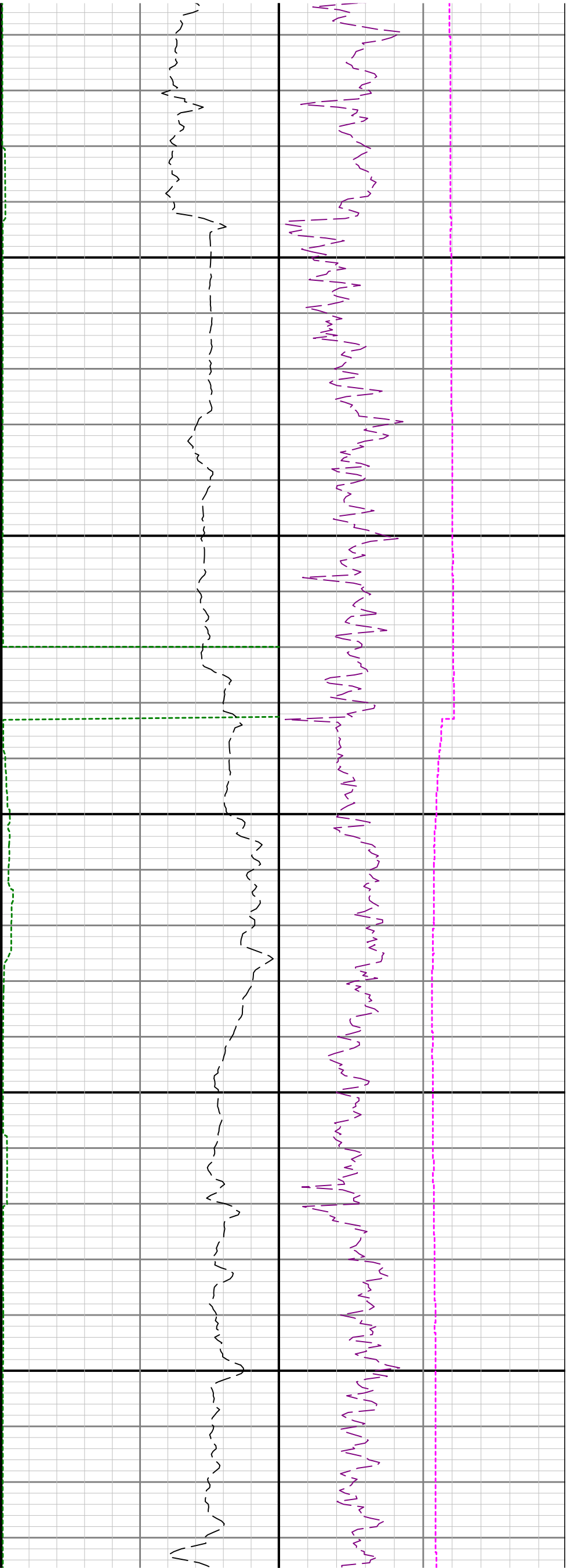
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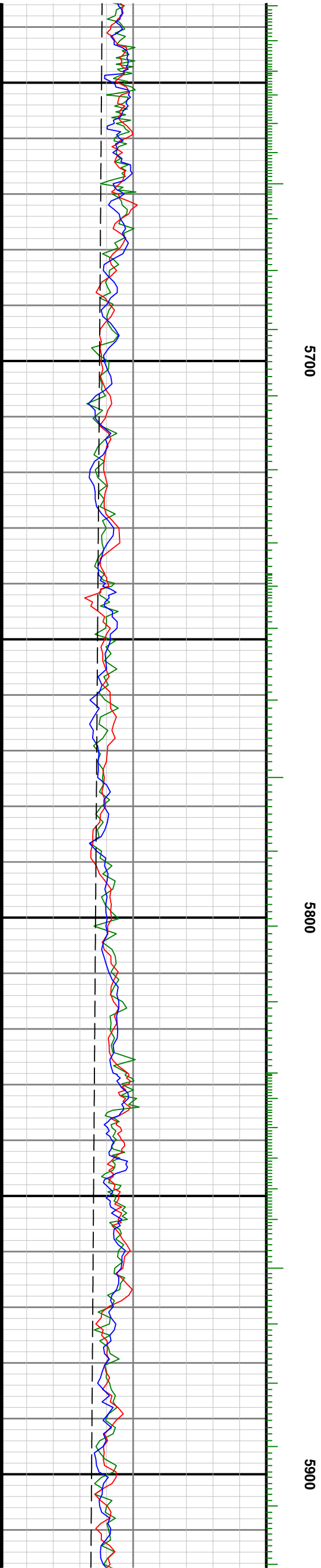
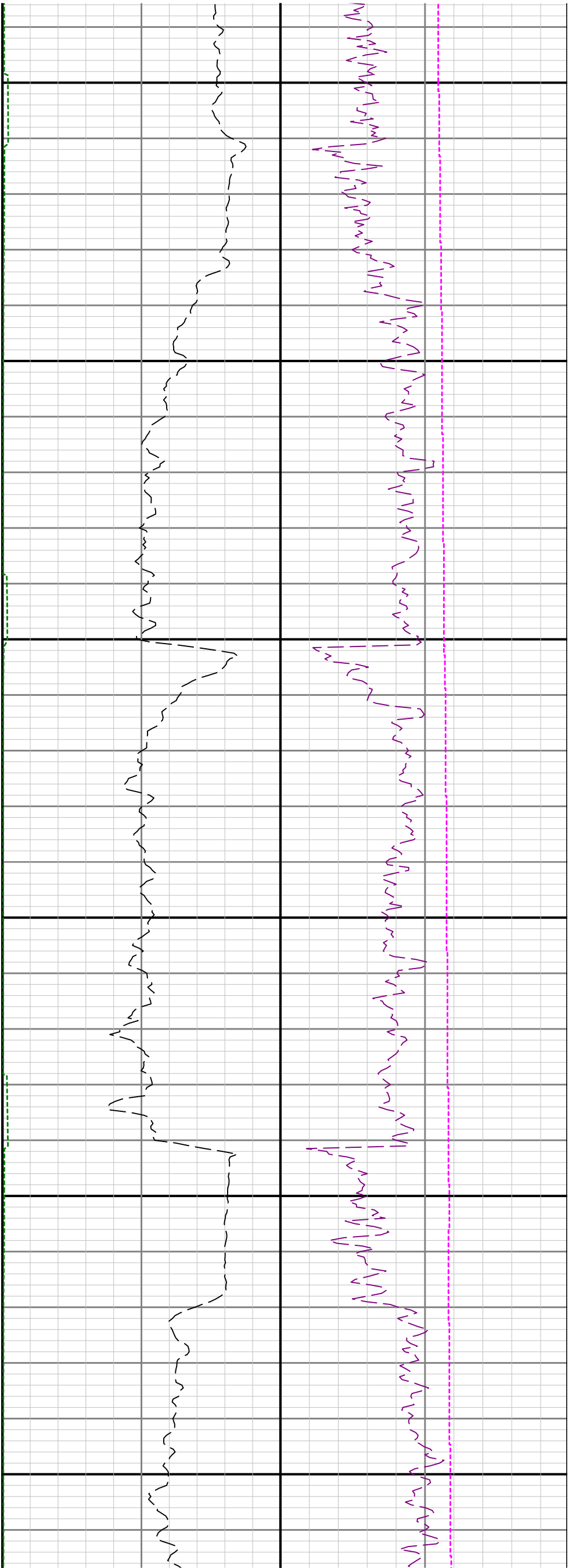




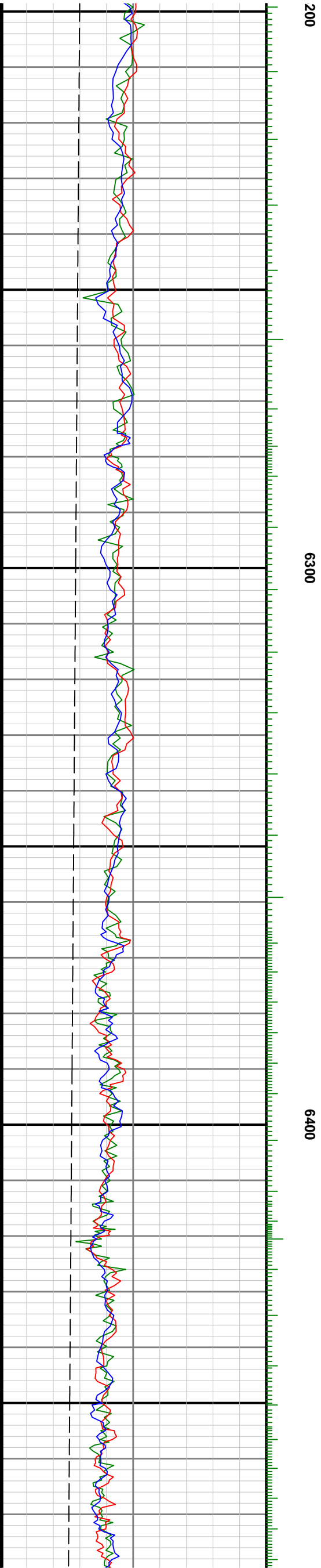
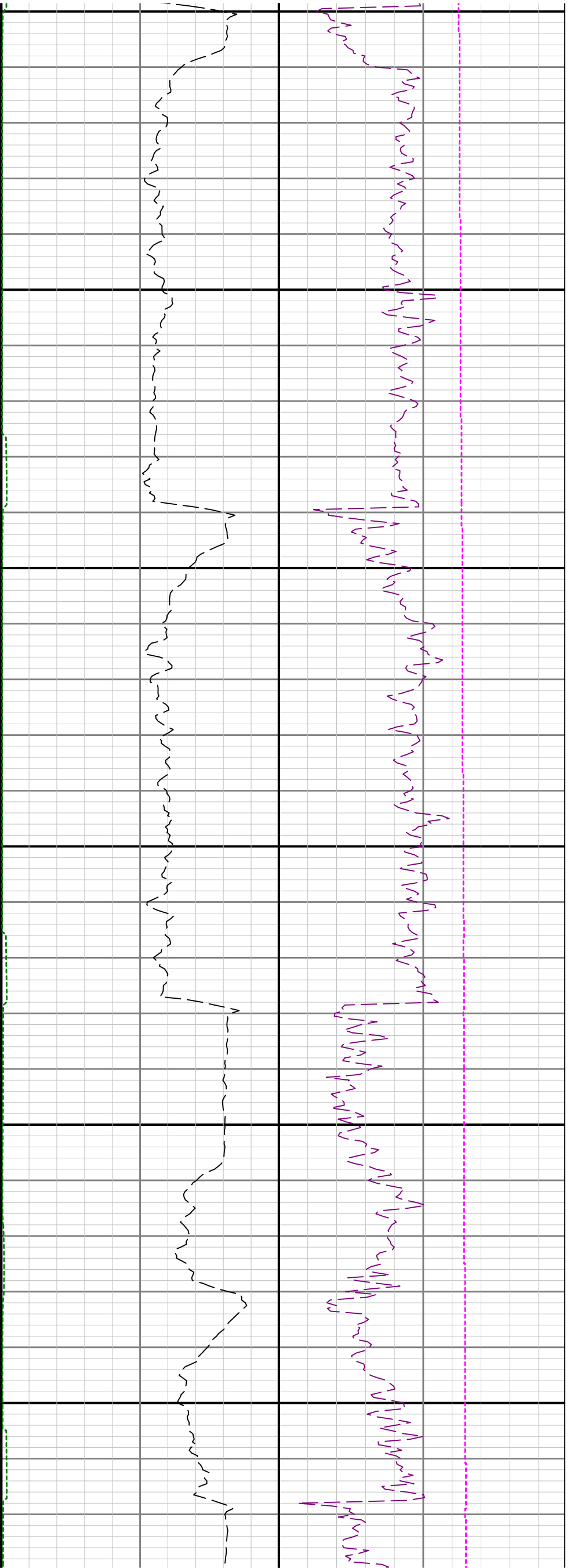


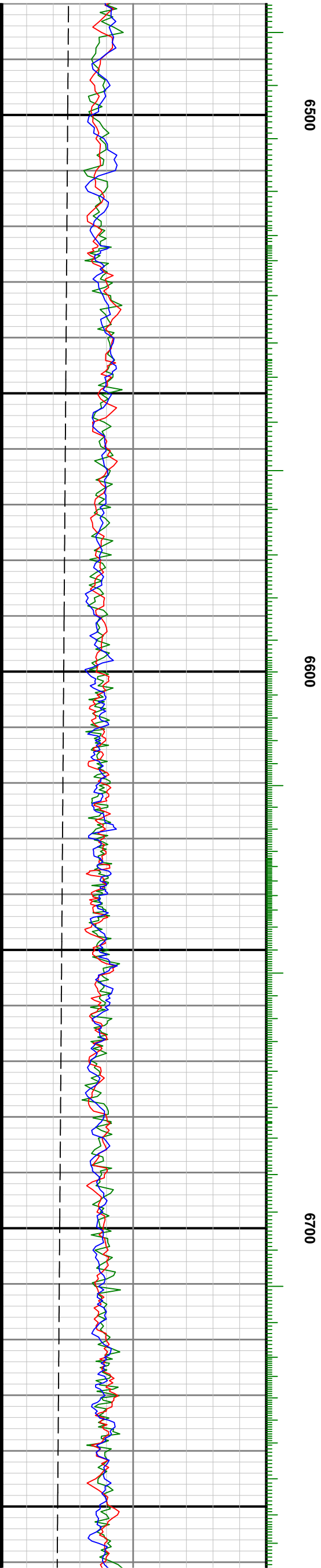
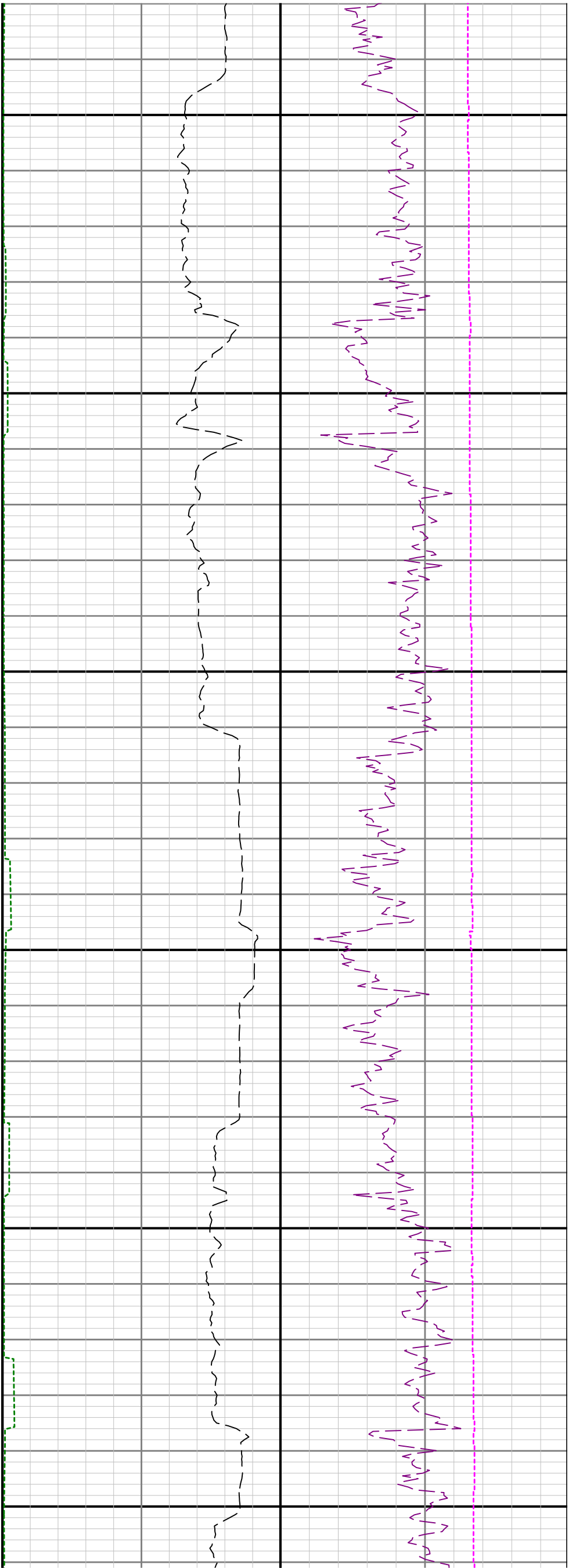
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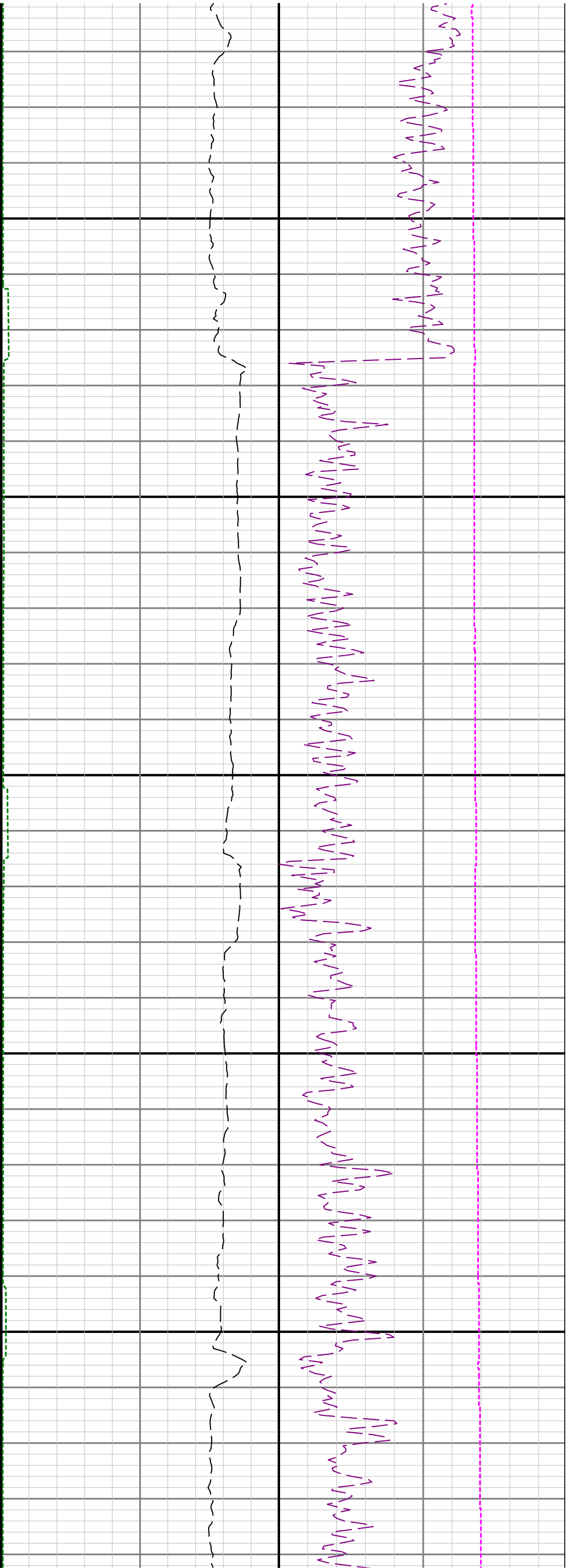








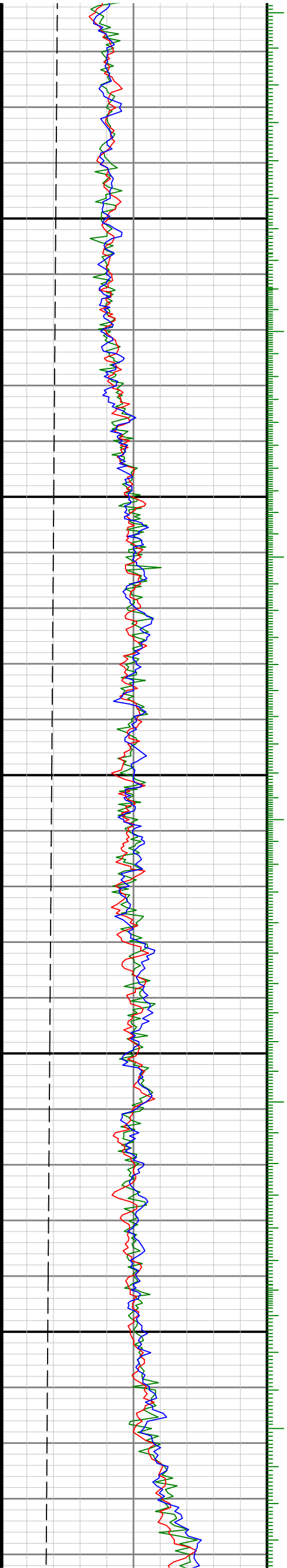


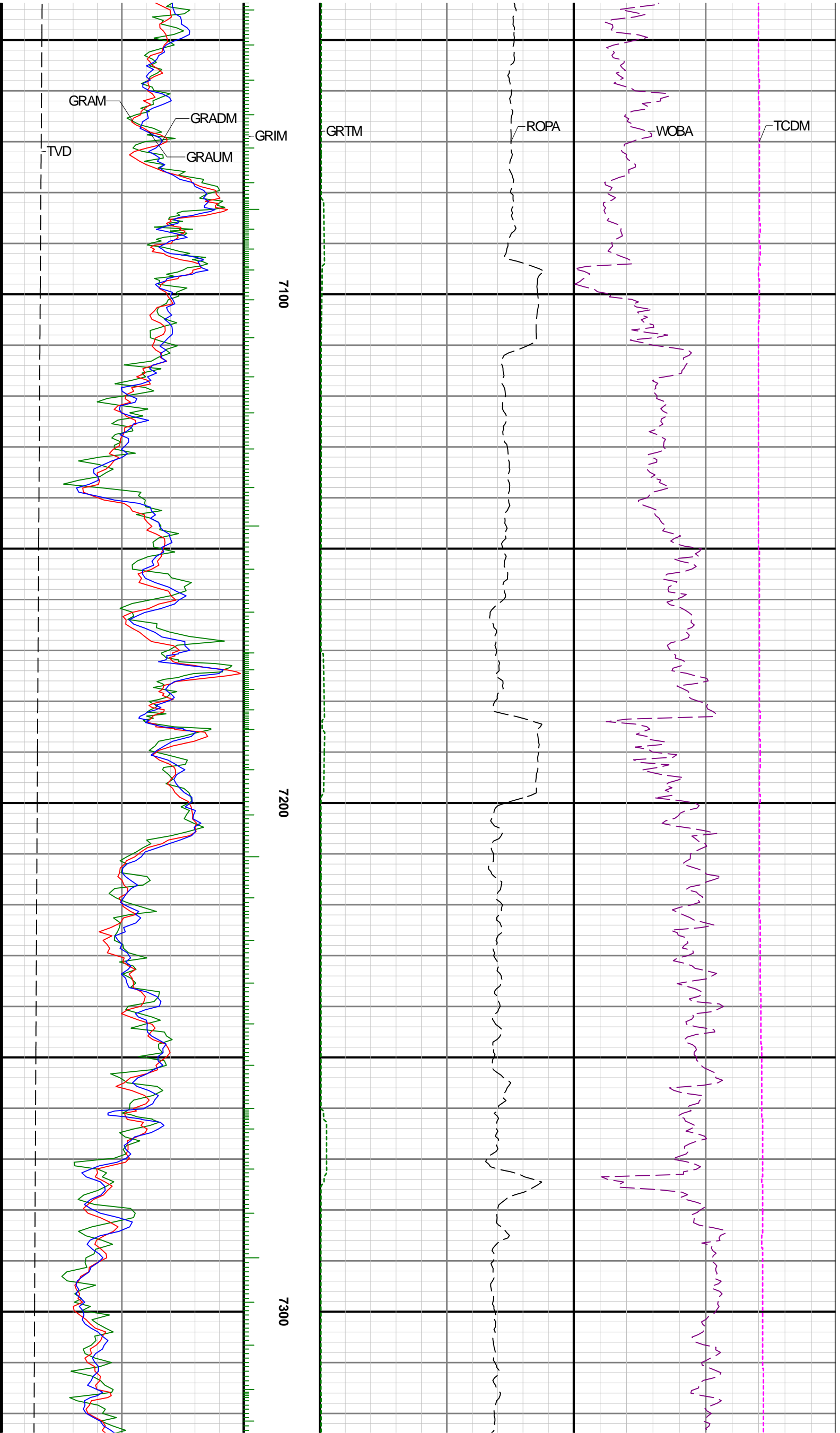


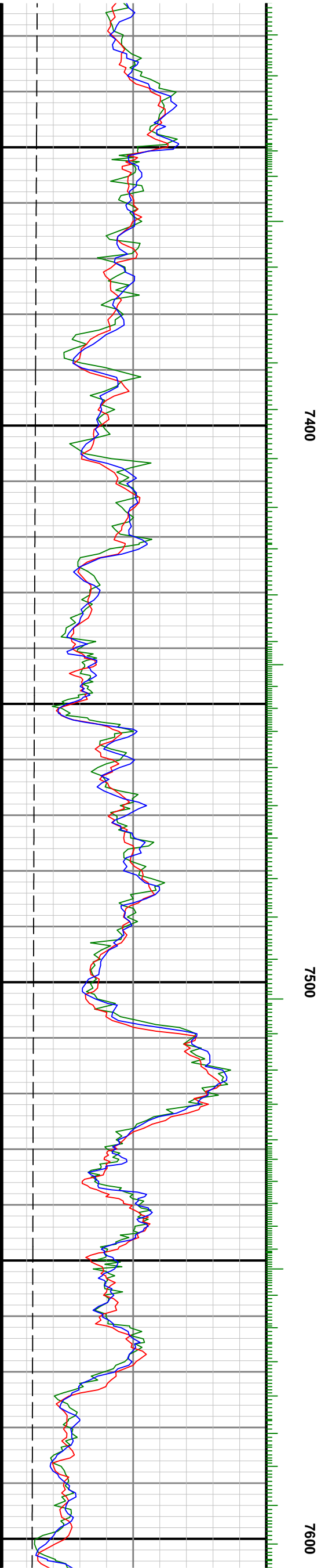
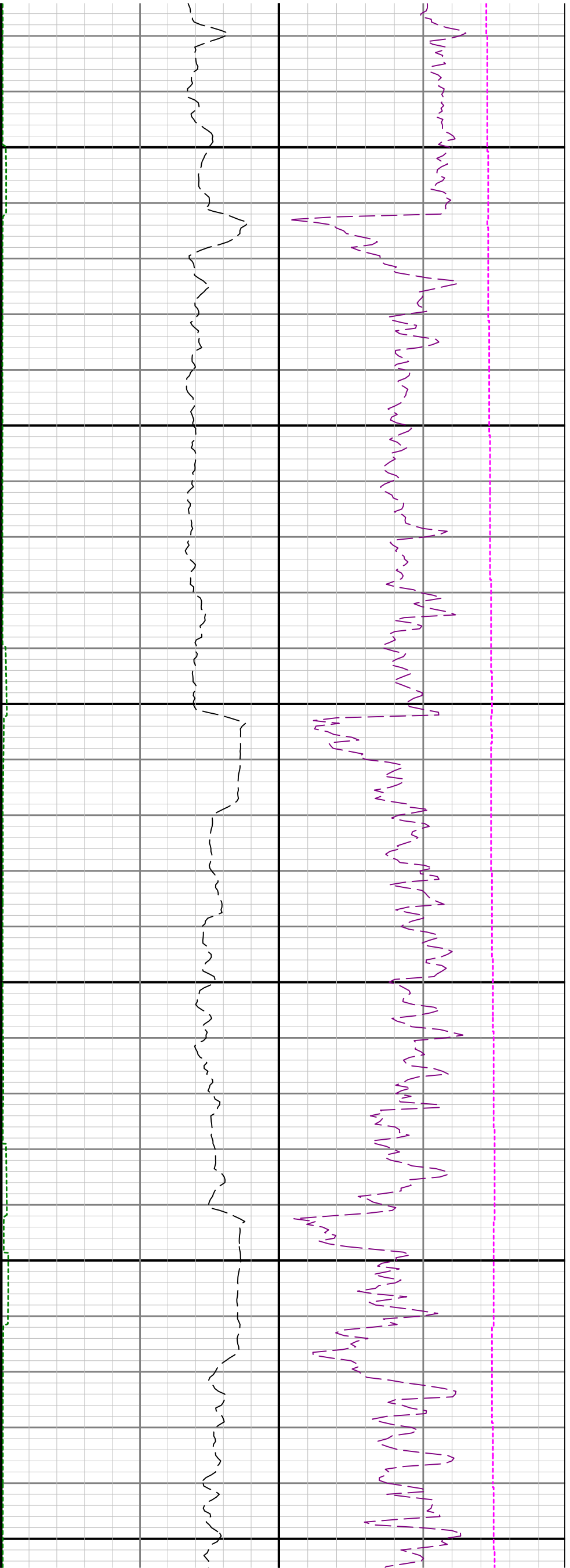
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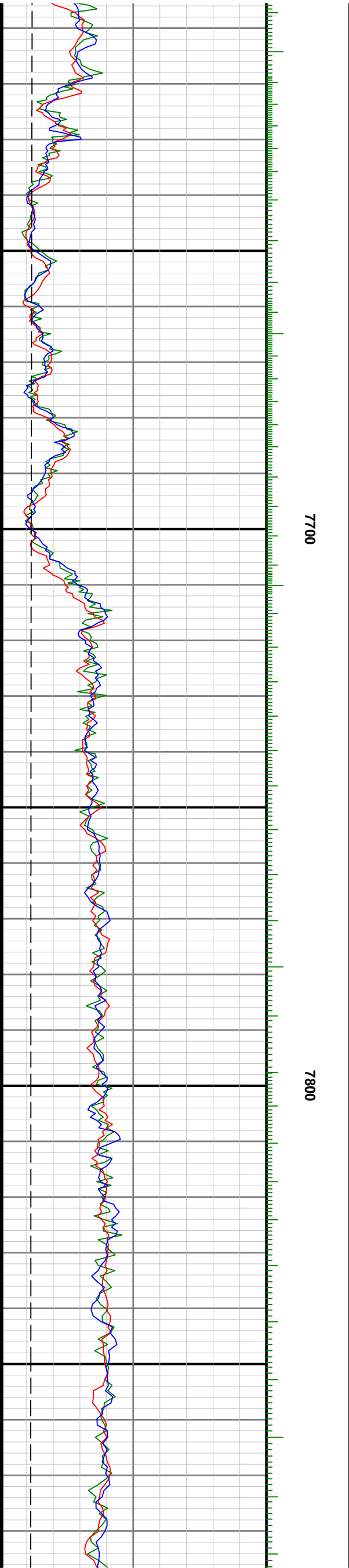
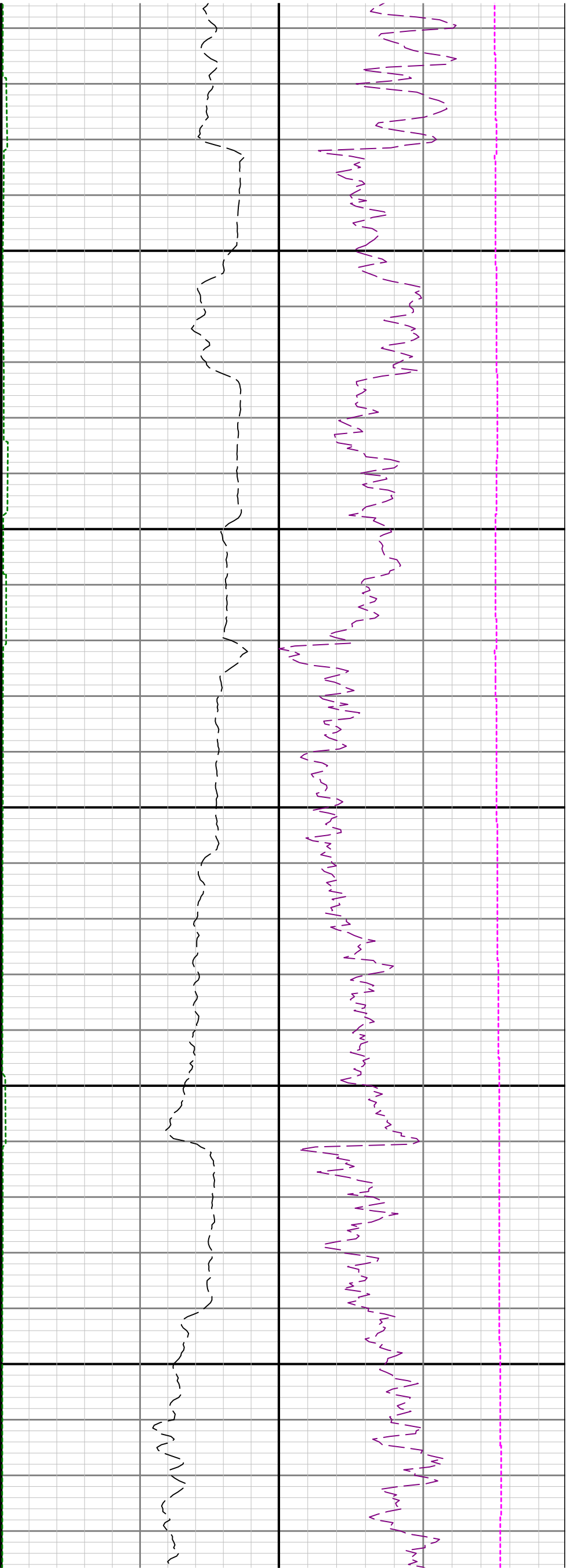
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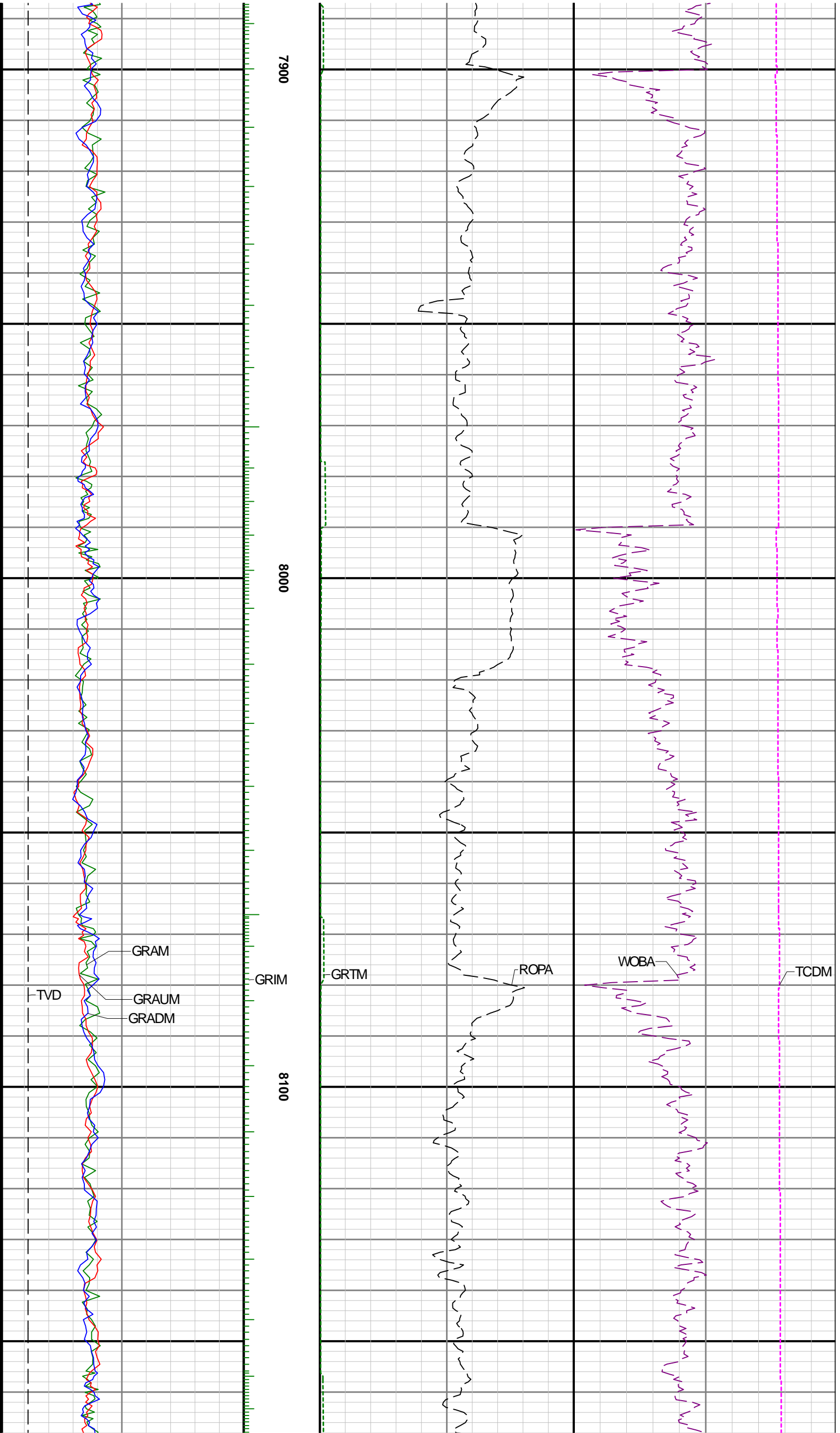


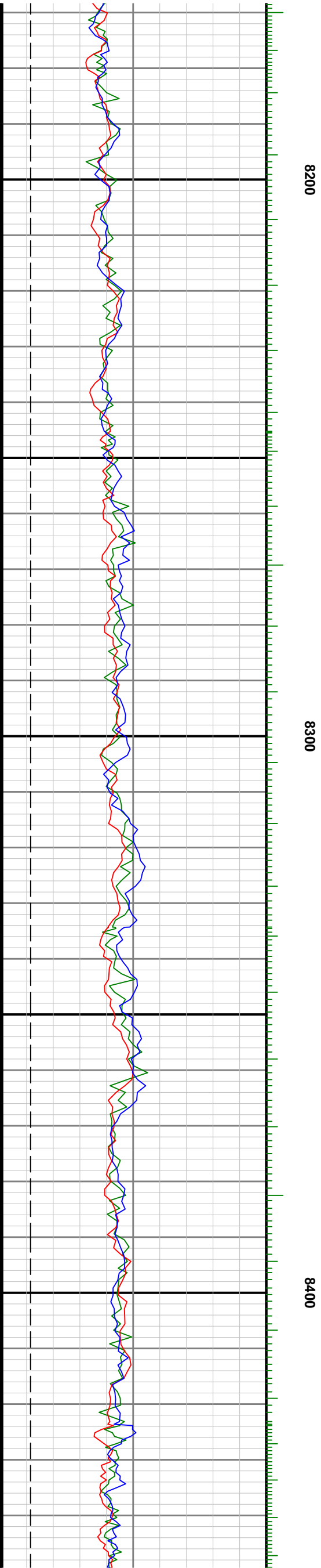
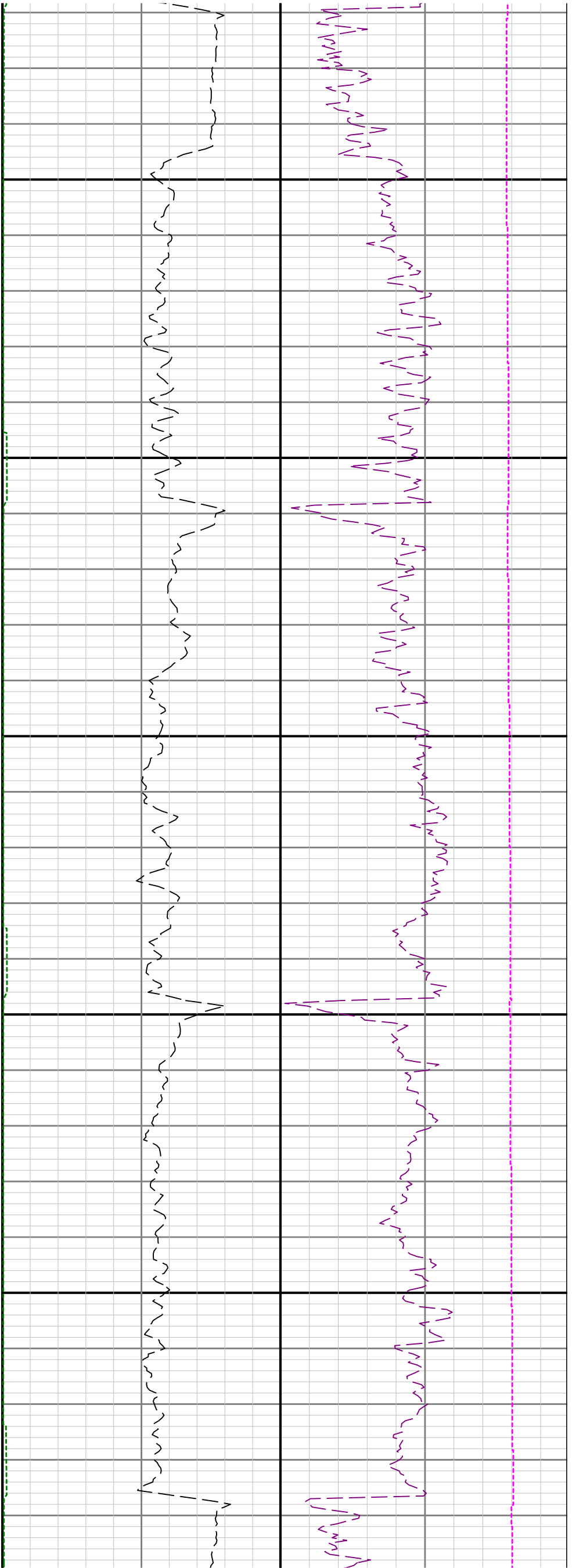


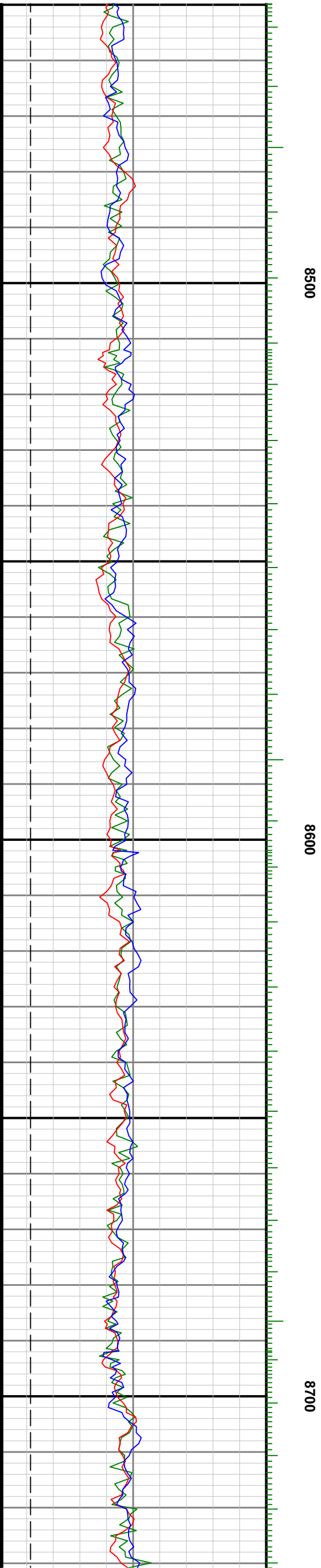
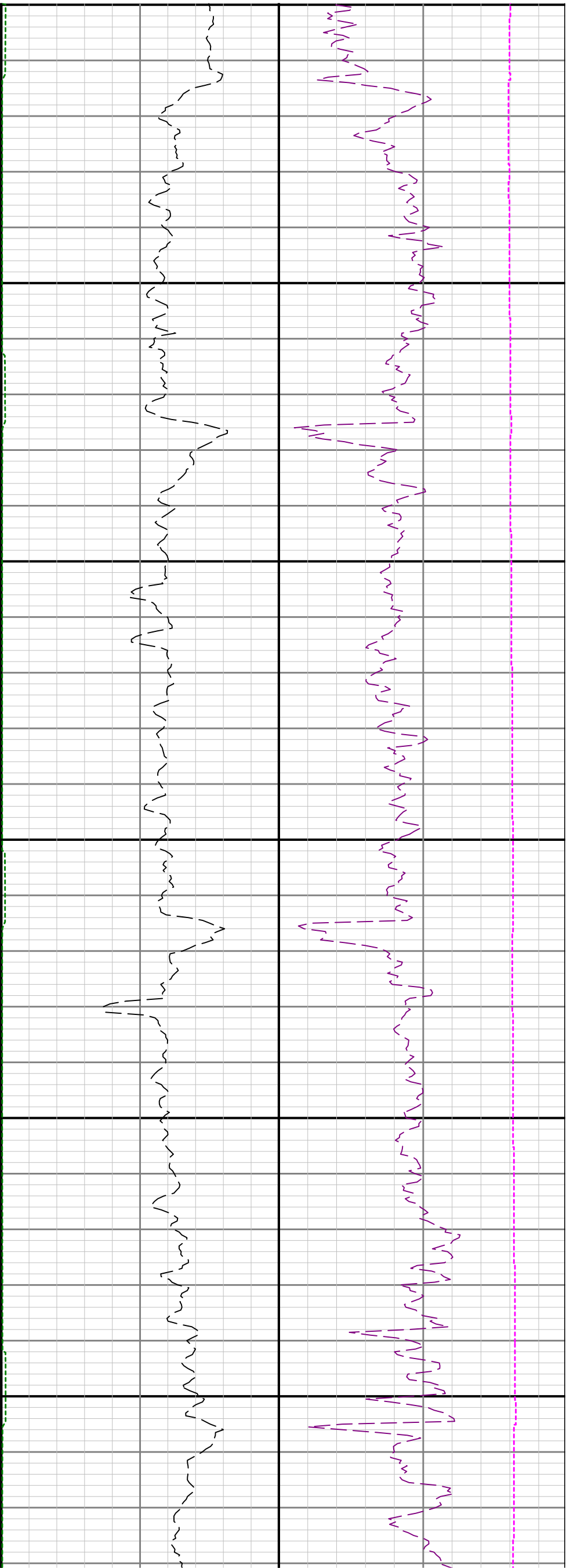


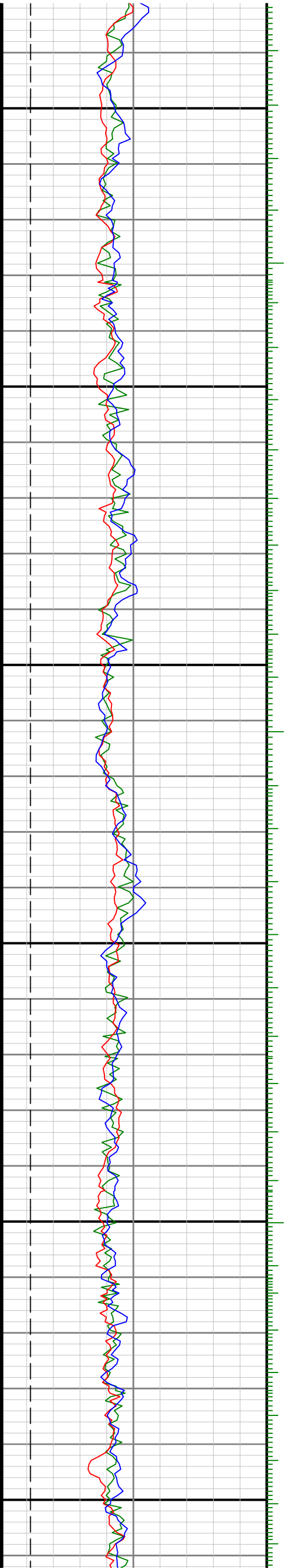








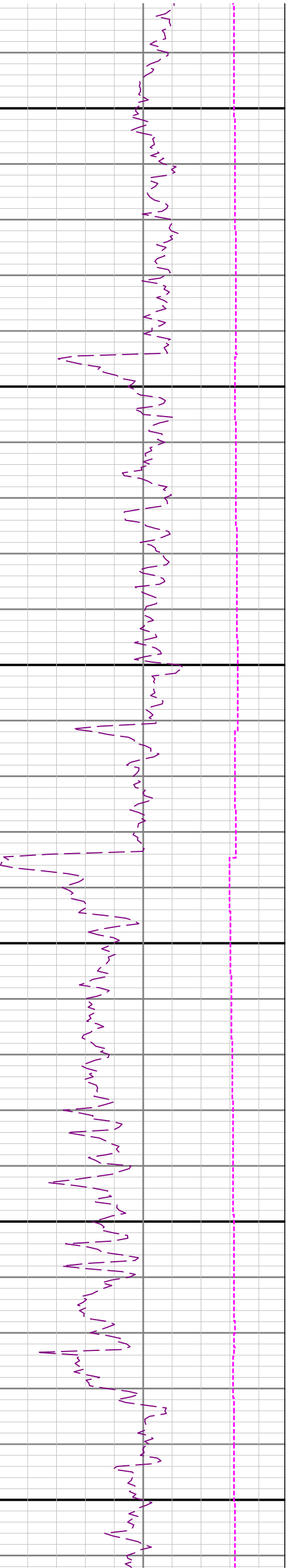


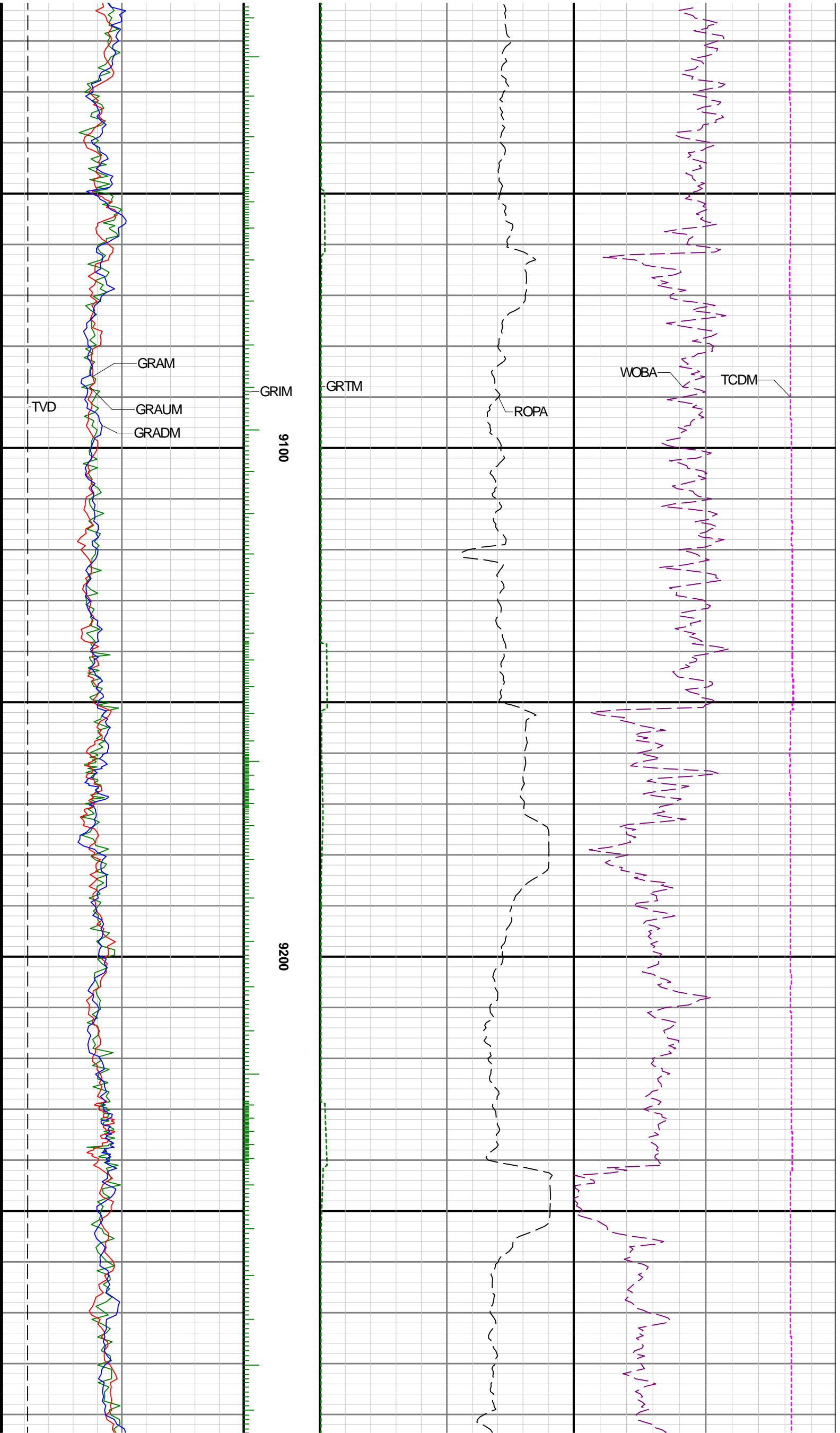


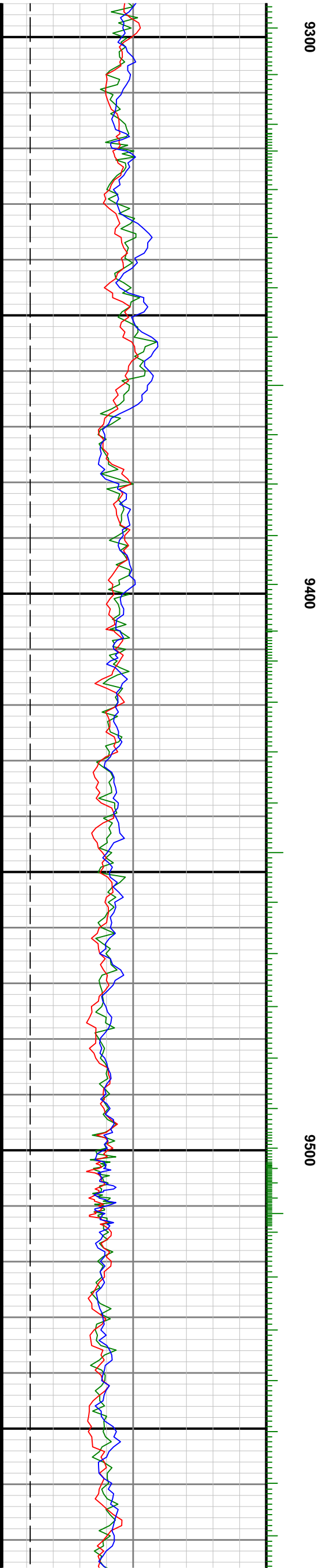
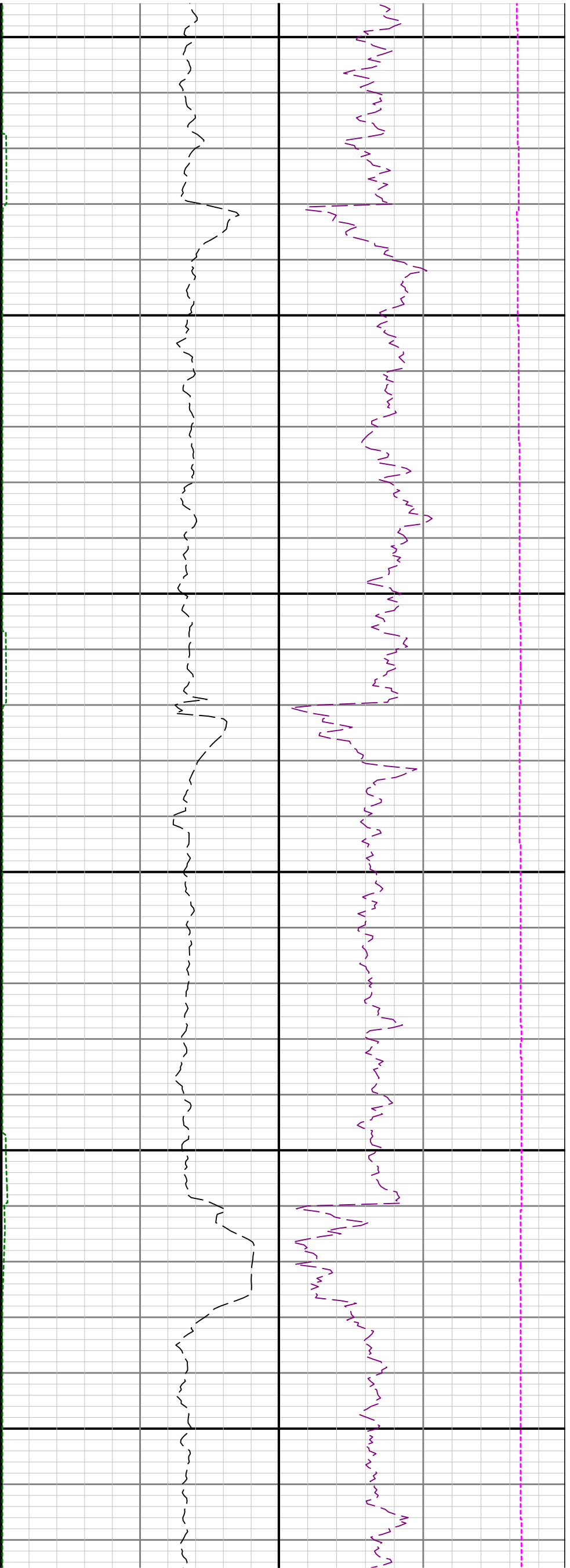
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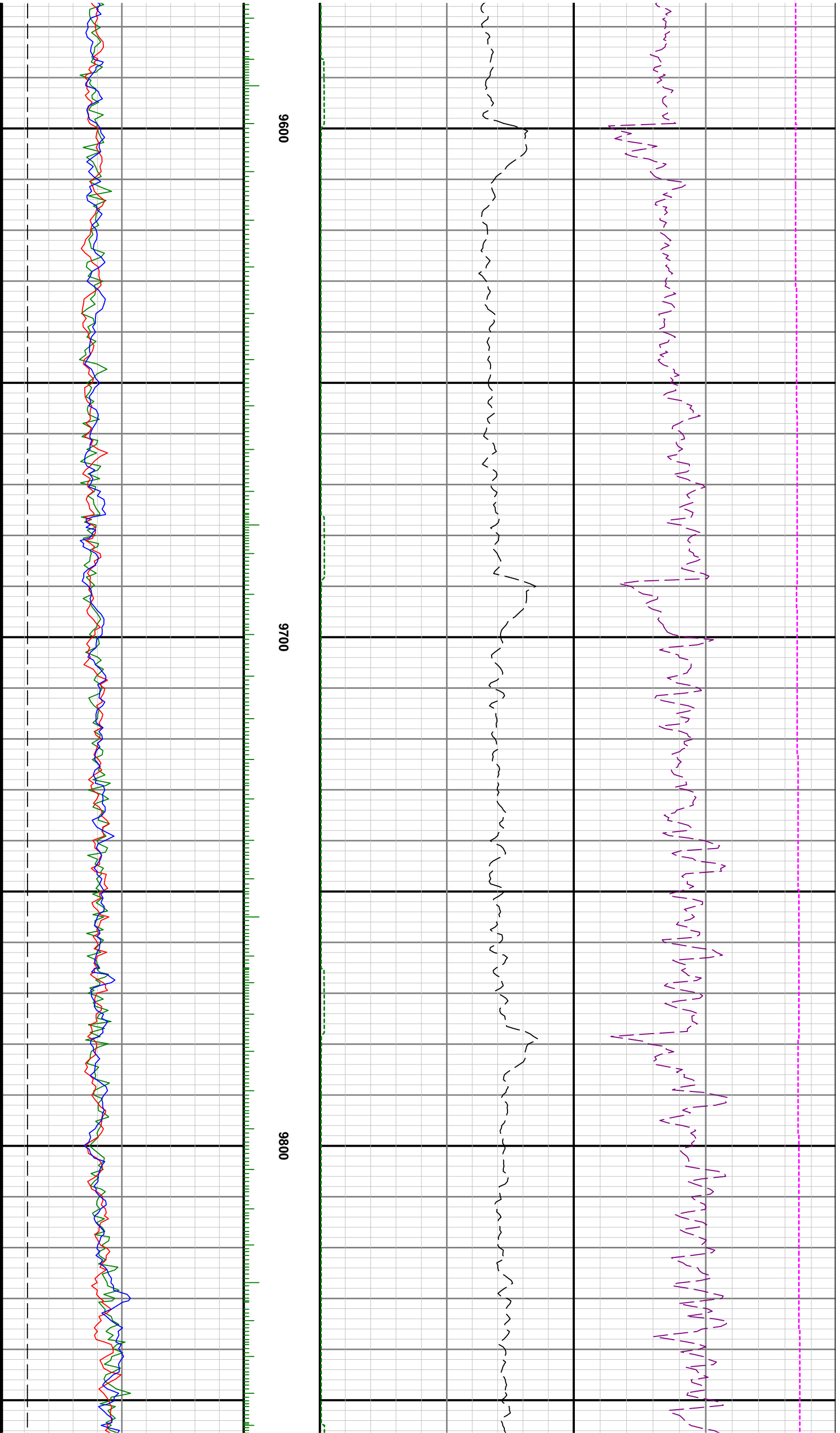
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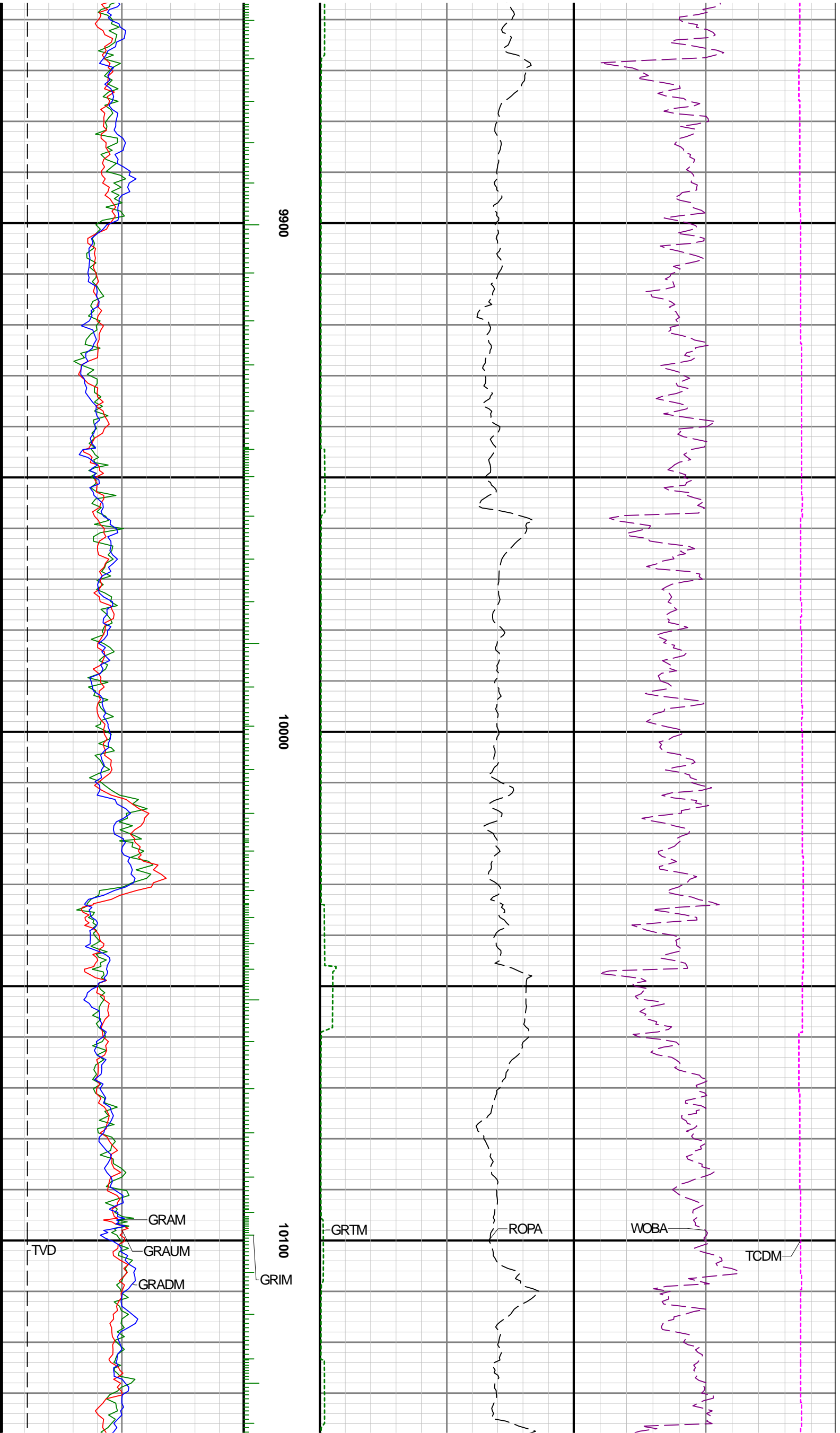
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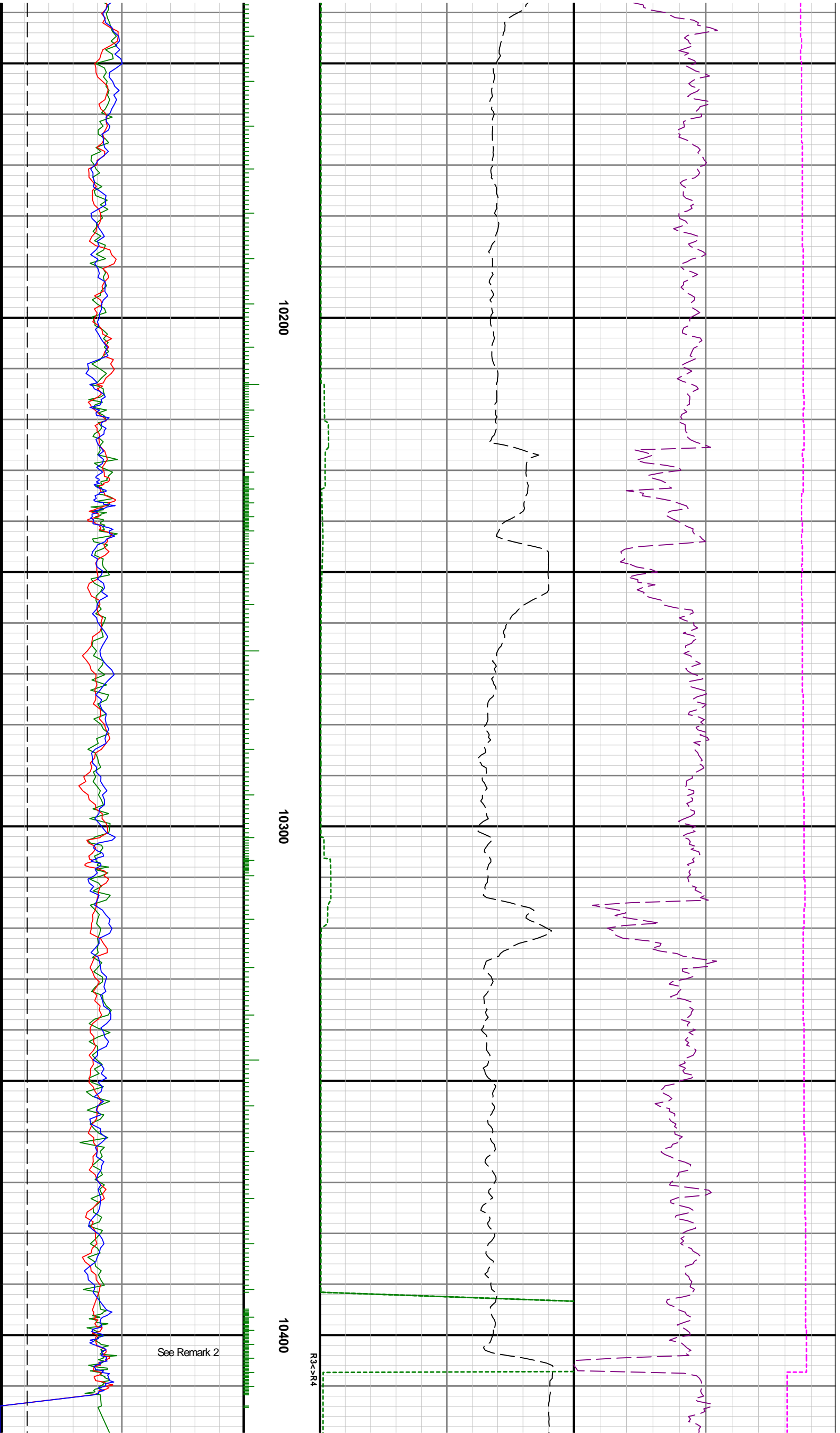


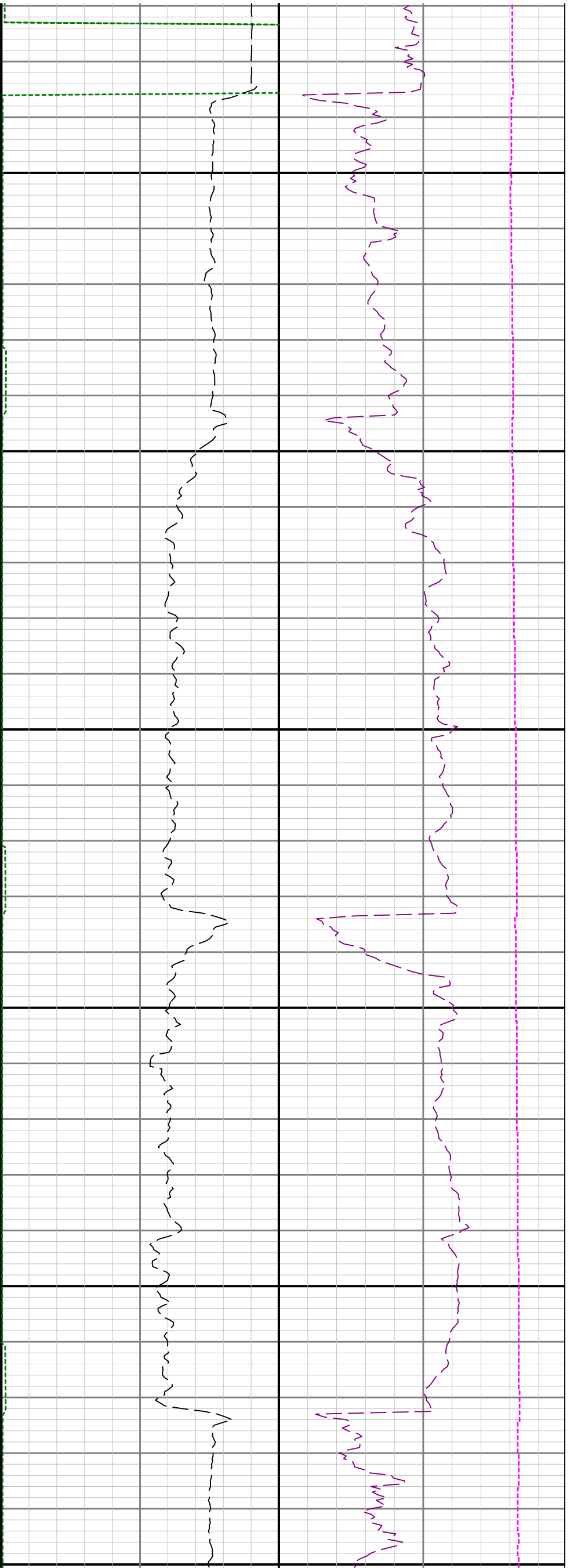










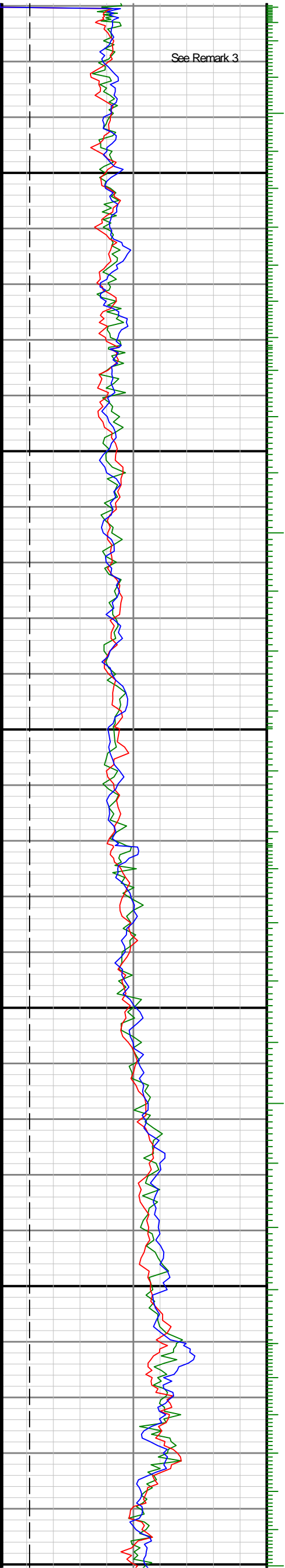


R4<R5

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See Remark 3

