

part of Baker Hughes. Unless other contract terms have been agreed to by the parties, each party's liabilities and obligations shall be governed by Baker Hughes Incorporated's Worldwide Terms and Conditions."

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 (ft)	Bottom (ft)	From (ft)	To (ft)	Start Logging	End Logging	
						1	1	7.875	PDC	3.00	Motor	

Crew

Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite
Hans Cary	2015-09-24	2015-09-27	Matthew Delmore	2015-09-24	2015-09-27	Sumanth Belawadi	2015-09-24	2015-09-26
William Drake	2015-09-24	2015-09-27	Andrew Clancy	2015-09-26	2015-09-27			

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+ (%)
2015-09-26 06:00	1	9866.35	Oil Based Mud	9.4	48	N/A	0.0	68.7/31.3	Active Pit	64000	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	506	Gamma (single)	15.11	46.07	6.500	3.250
1	NaviGamma	506	Directional (mag)	18.61	49.57	6.500	3.250
1	NaviGamma	506	VSS	18.61	49.57	6.500	3.250

Comments

- 1 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 and the unverified depths as supplied to Baker Hughes are being used to represent logging data.
- 2 Baker Hughes Run 1 utilized a 6 1/2 inch Navigamma (Directional and Gamma Ray) tool behind an 7 7/8 inch bit and steerable assembly from 1870 to 13062 feet MD (1820.19 to 7514.12 feet TVD).
- 3 A sliding indicator is shown on the left side of the track as a heavy line. This indicator has been depth-shifted to the Gamma Ray sensor offset to correspond with Gamma Ray data acquired while sliding.

Remarks

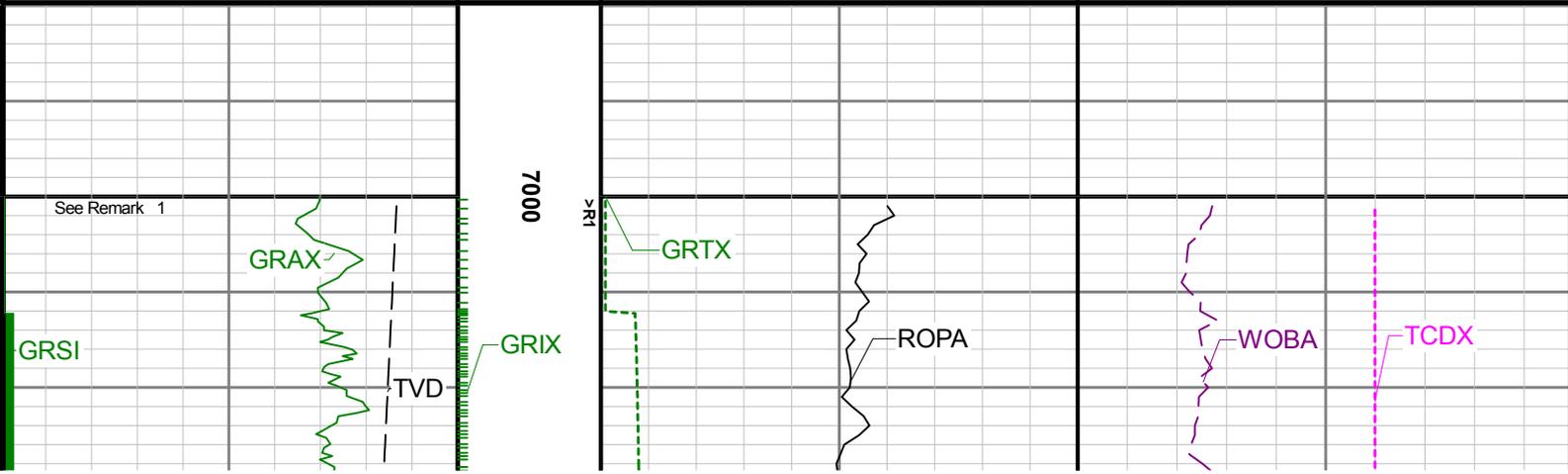
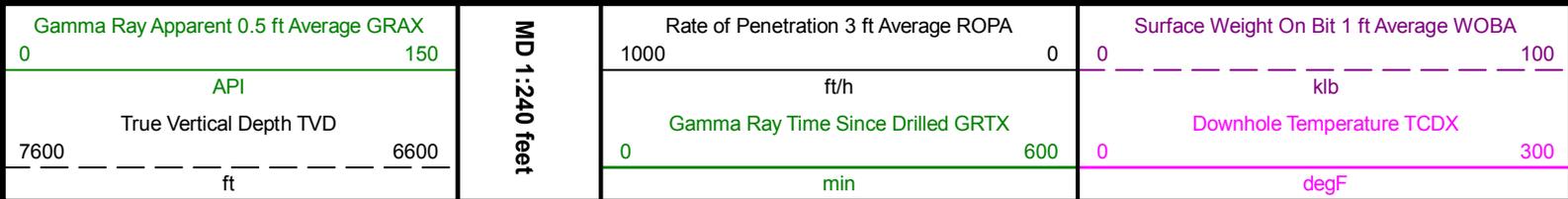
Run	Measured	Hole
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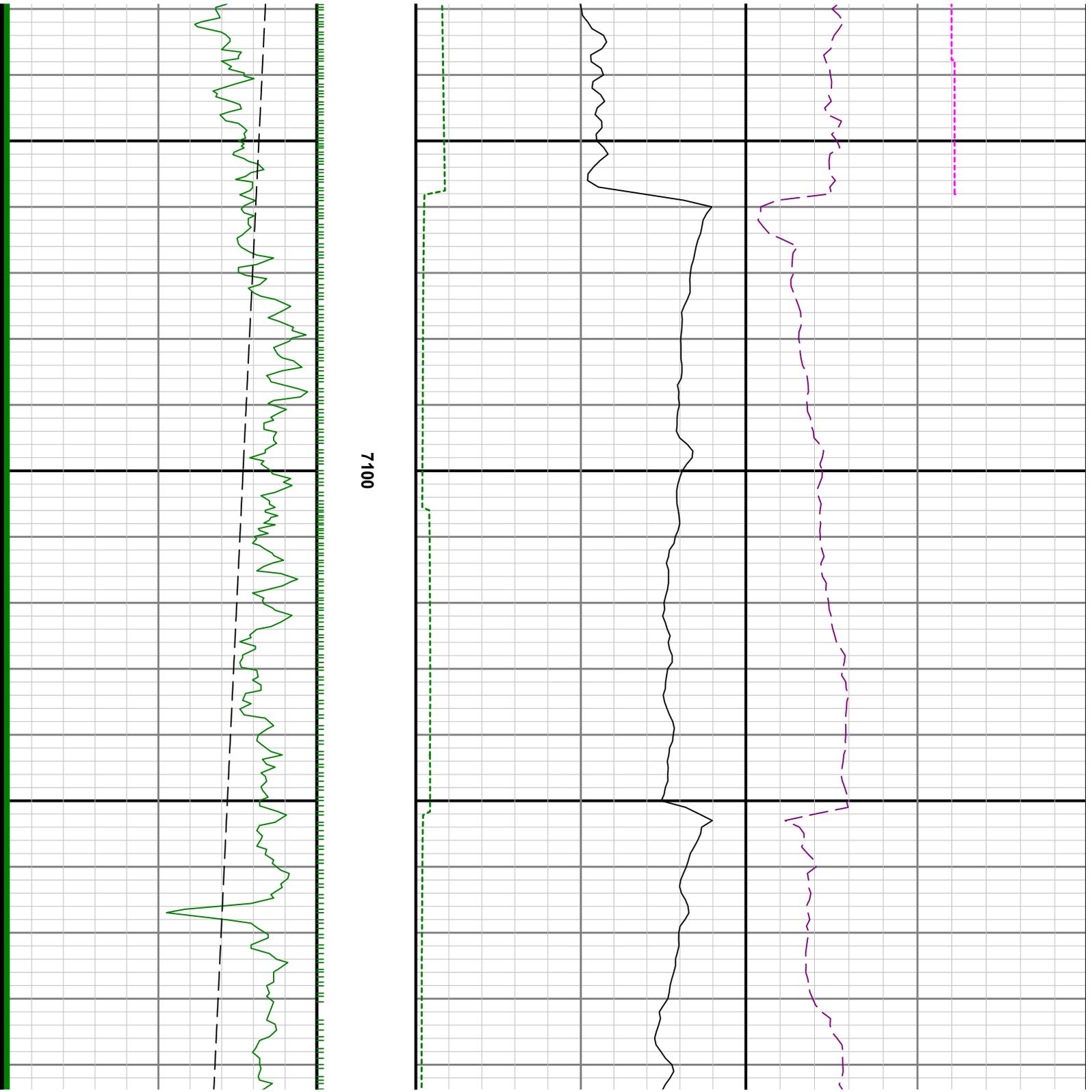
Number	Depth (ft)	Section (in)	No.	Remark
1	7000.00	7.875	1	Logging services began at 7000 feet MD. No logging data prior to 7000 feet MD (6732.93 feet TVD) as per client request.
2	13062.00	7.875	1	The interval between 13016 to 13062 feet (7513.59 to 7514.12 feet TVD) has no GRAX, GRIX, GRTX values due to Gamma sensor offset to bit after TD

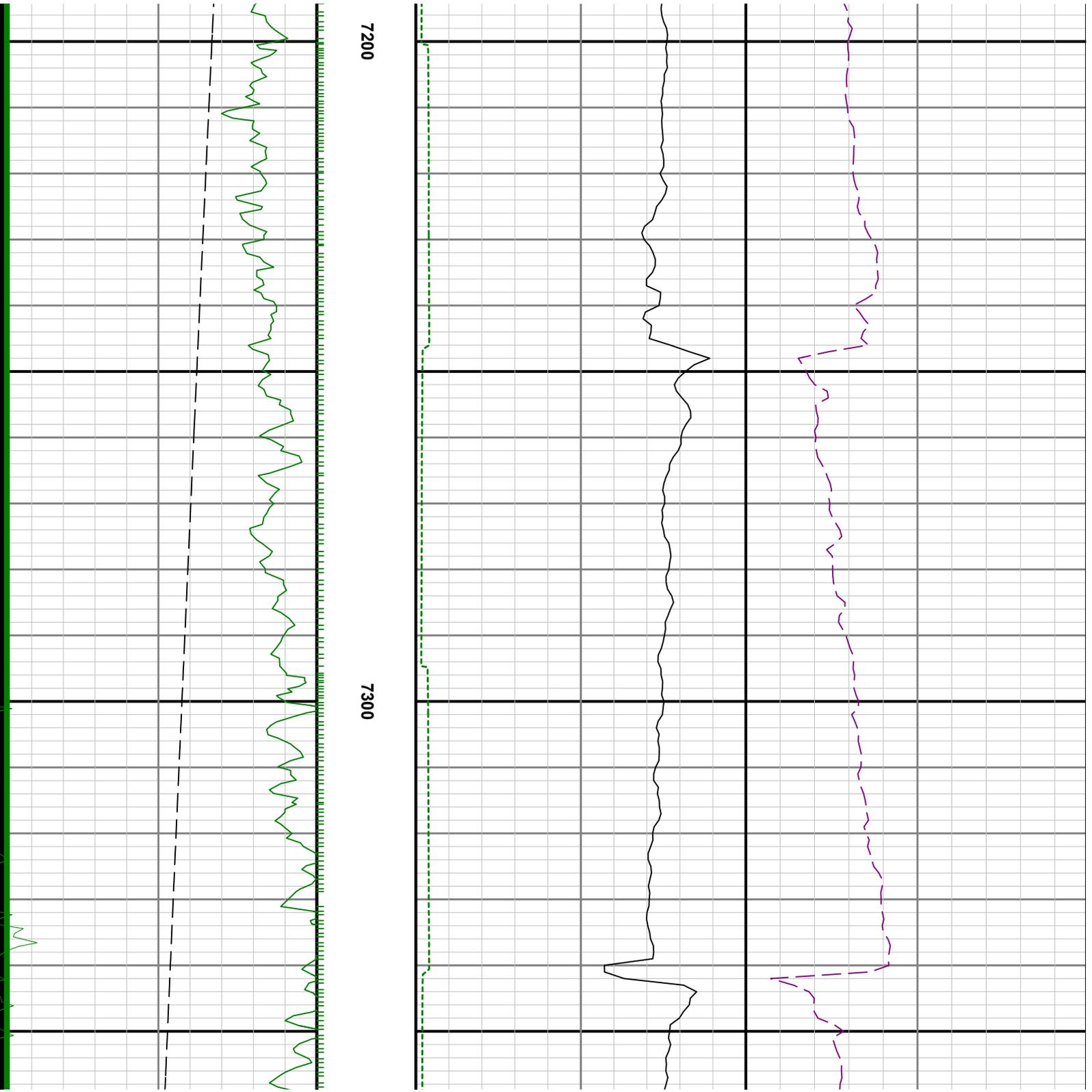
Curve Mnemonics

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

	Company	Anadarko		
	Well	Carter 34C-33HZ		
	Interval	Date From: 2015-09-25 14:59	Top: 7000.00	
	Created	Date To: 2015-09-26 22:33	Bottom: 13063.00	
		2015-09-26 23:37		

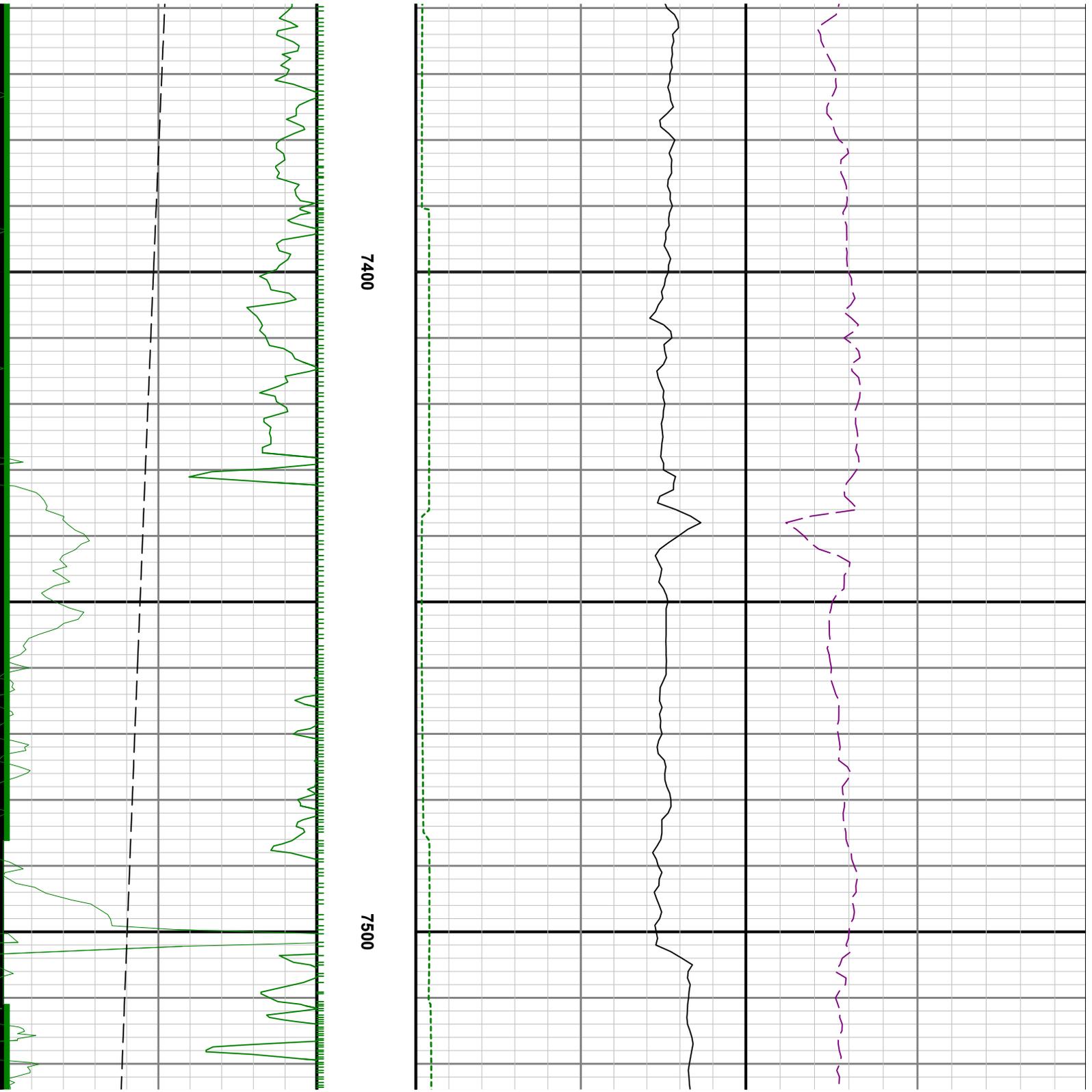


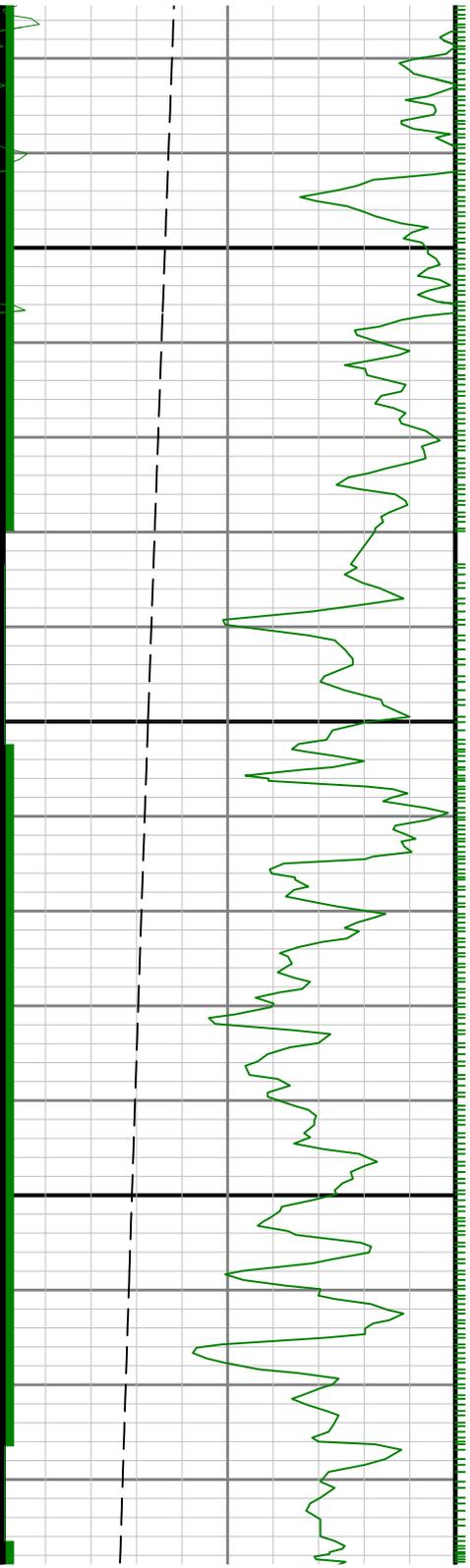




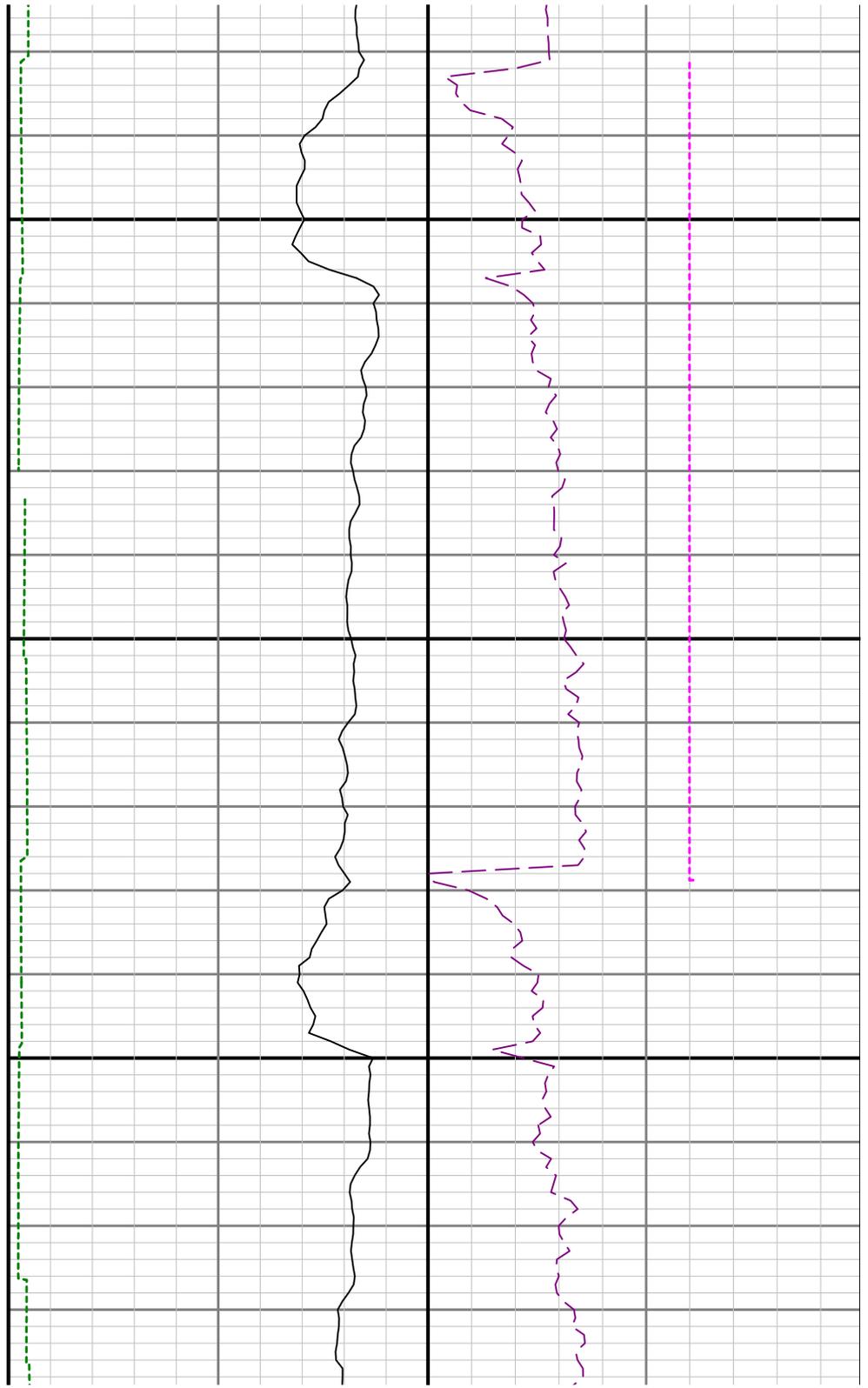
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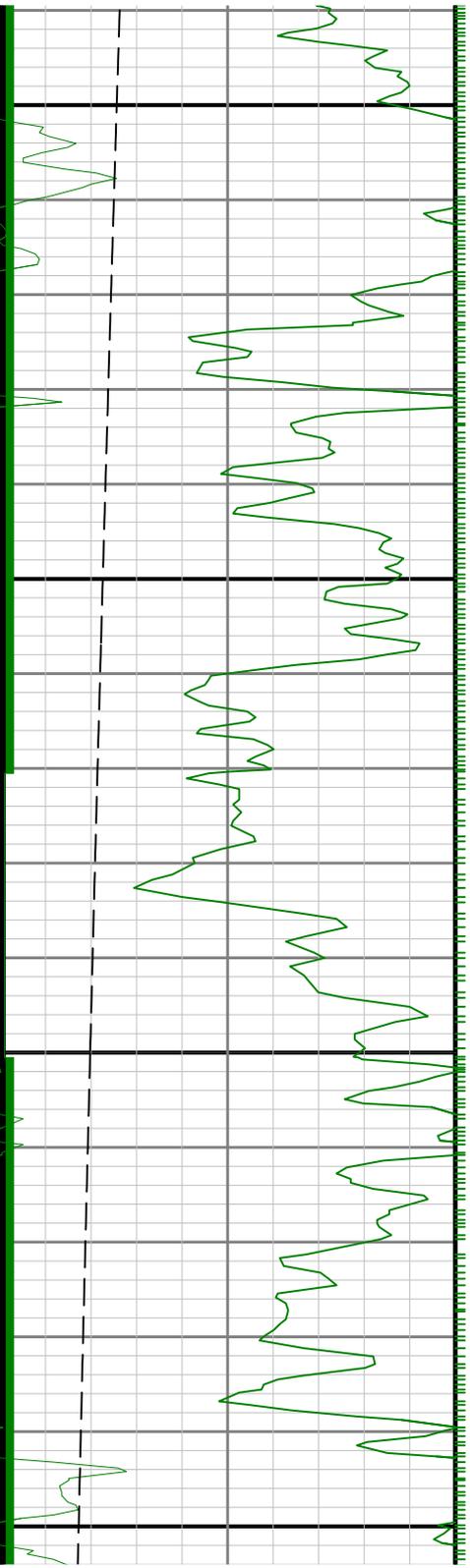
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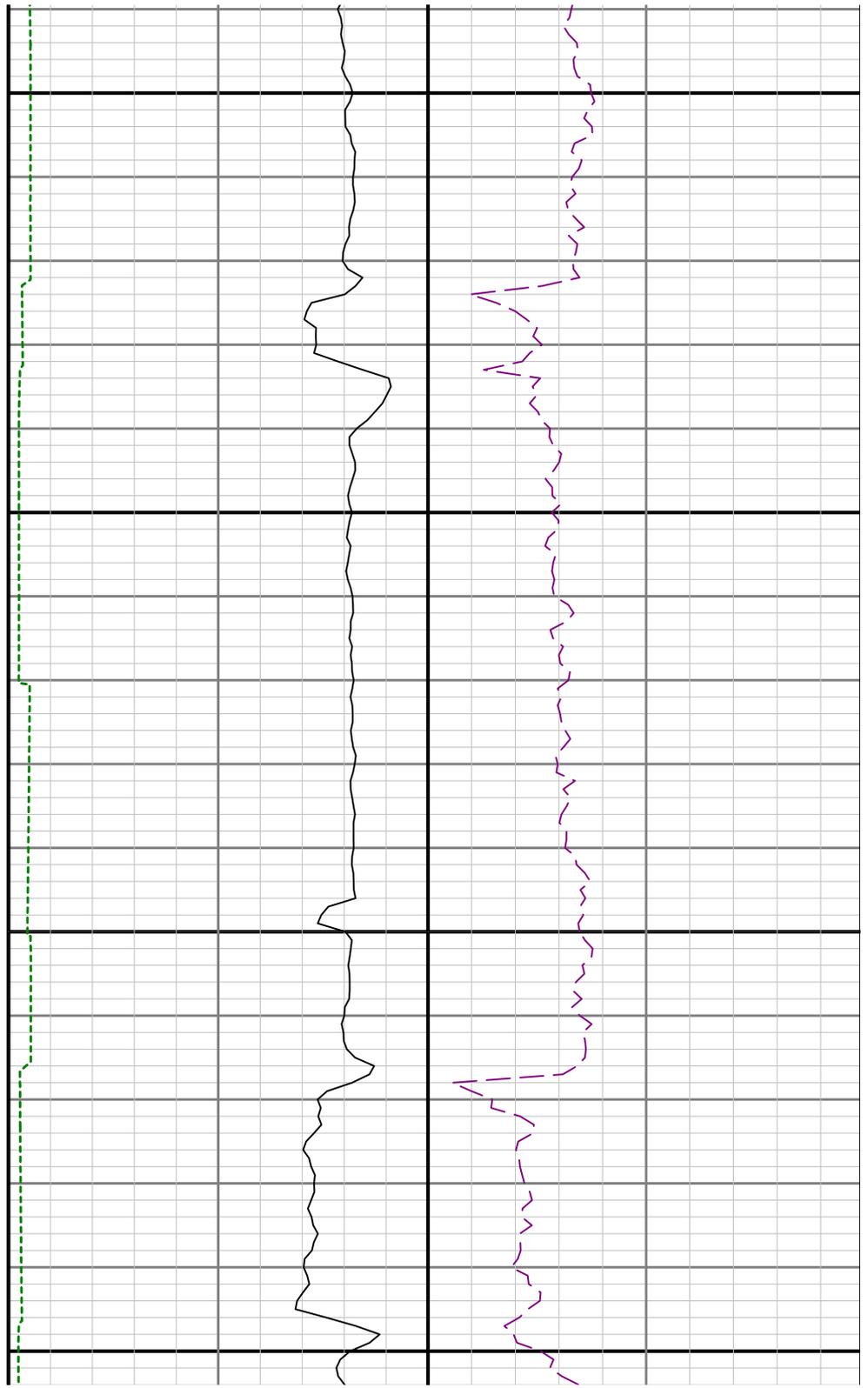
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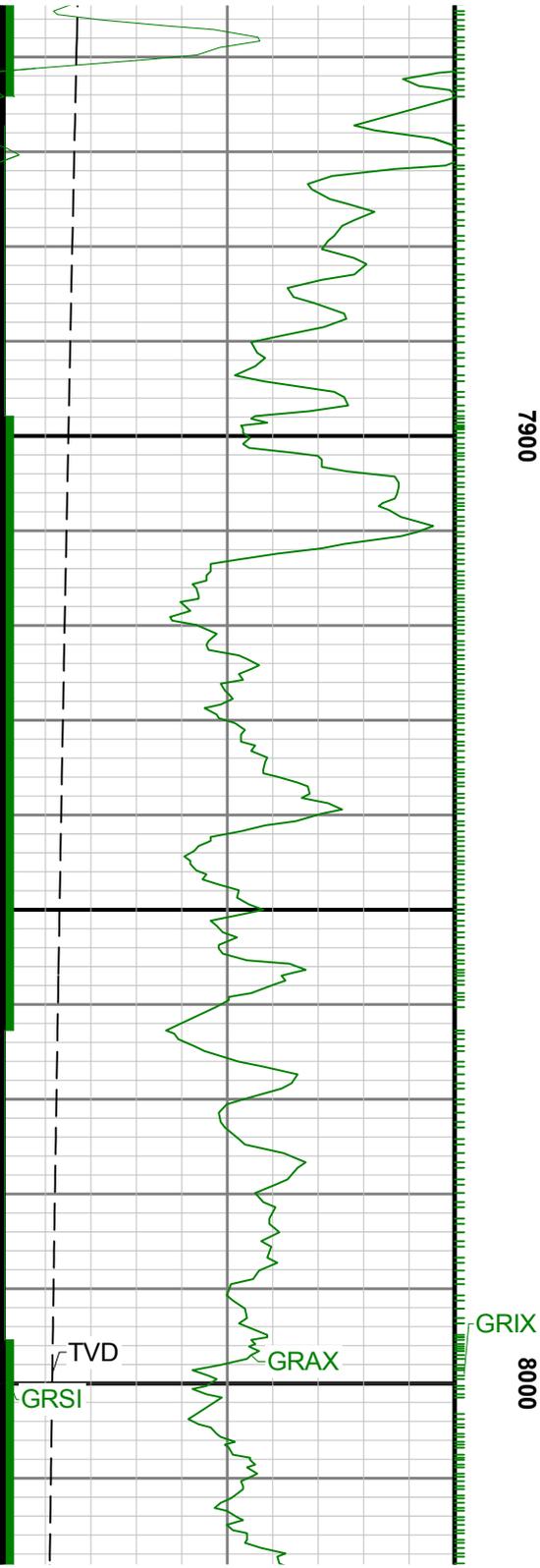


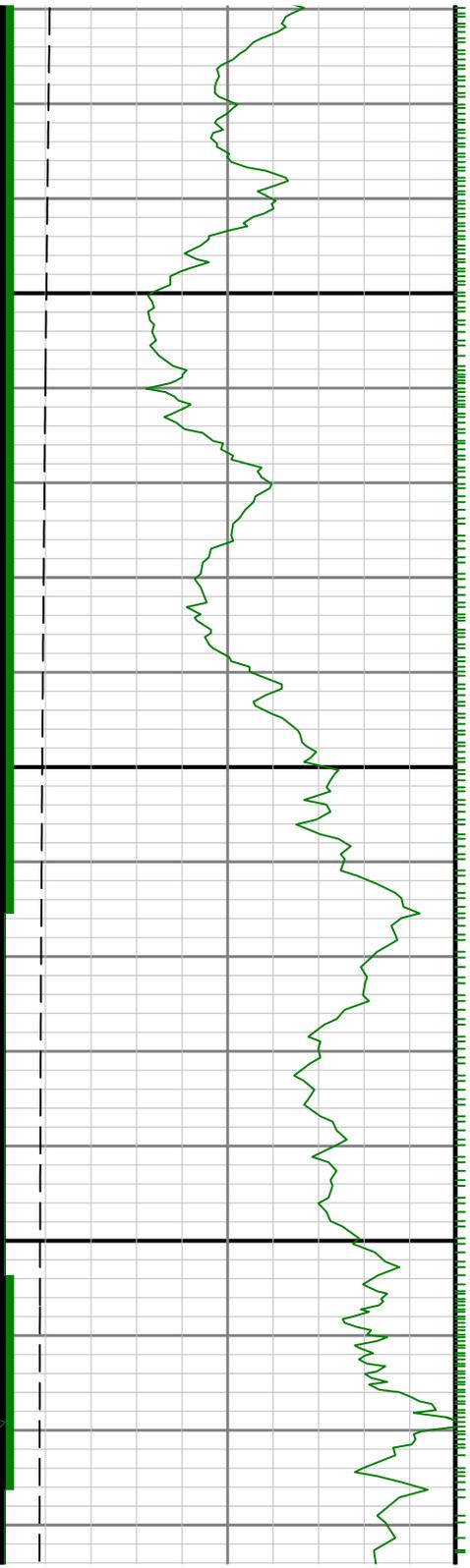


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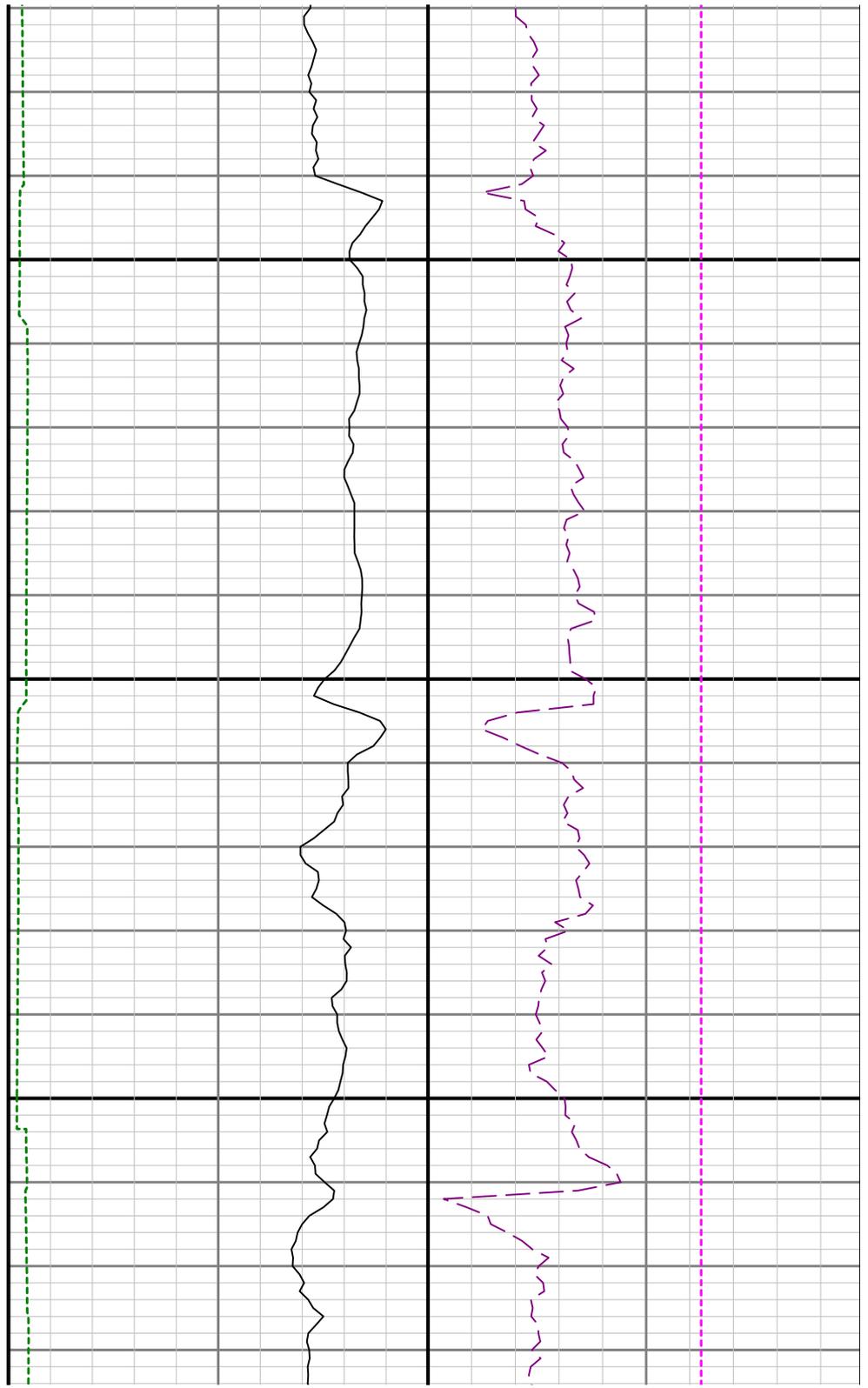
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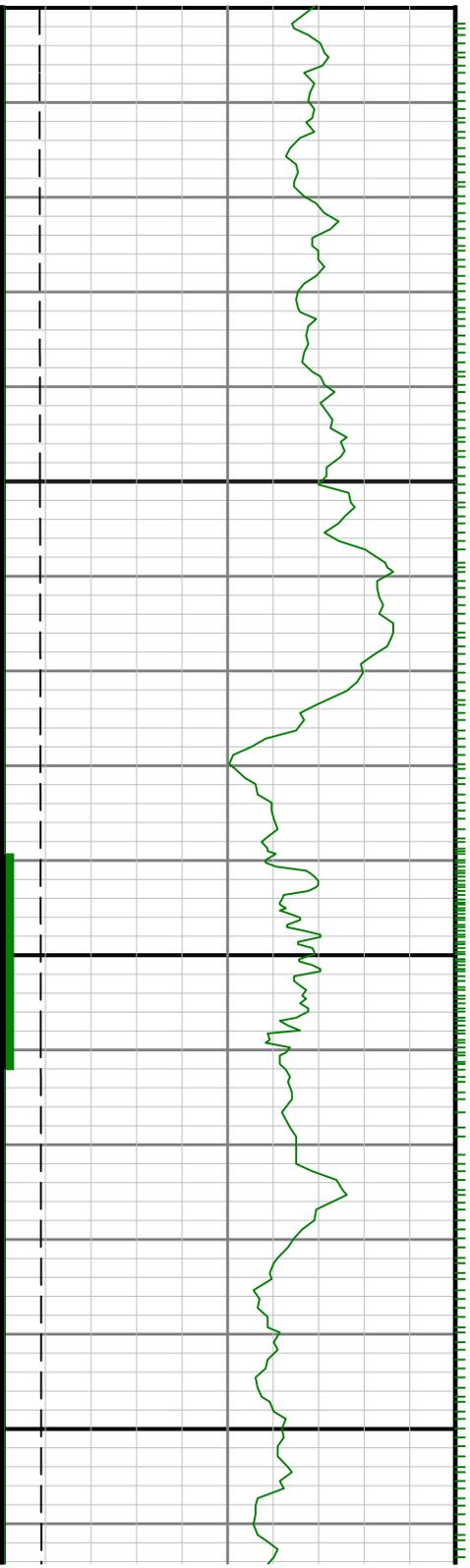




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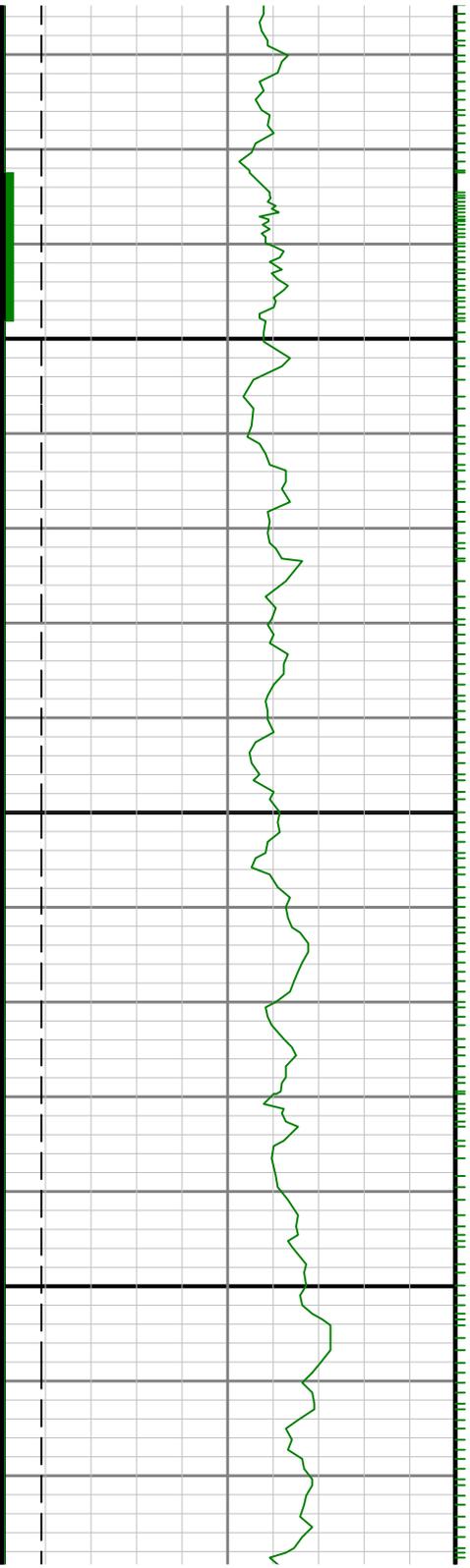




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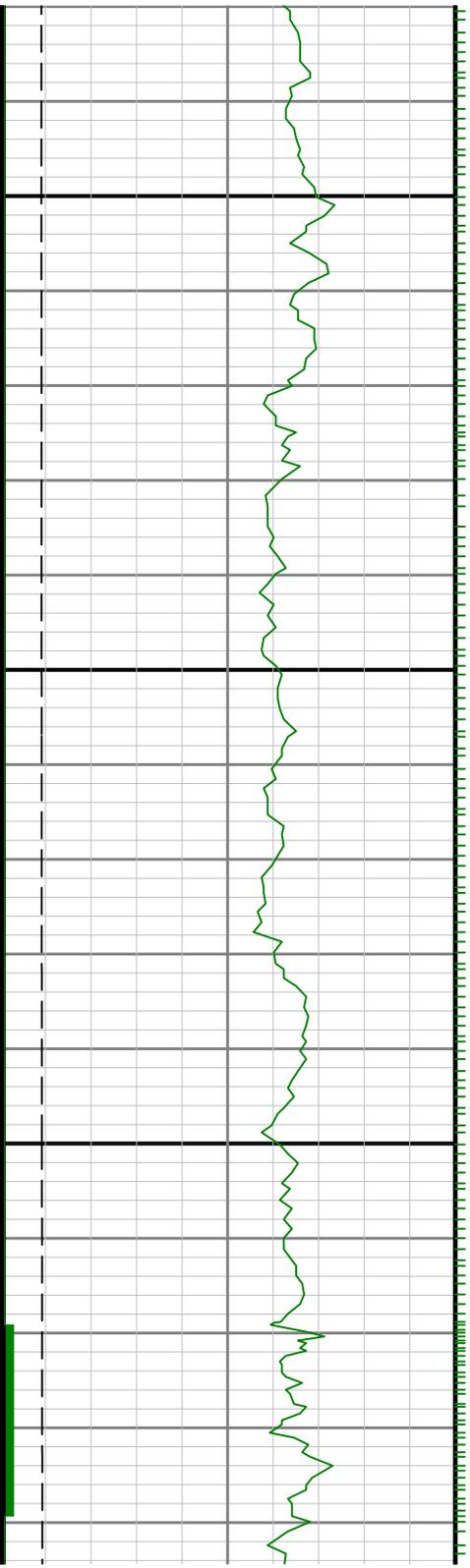
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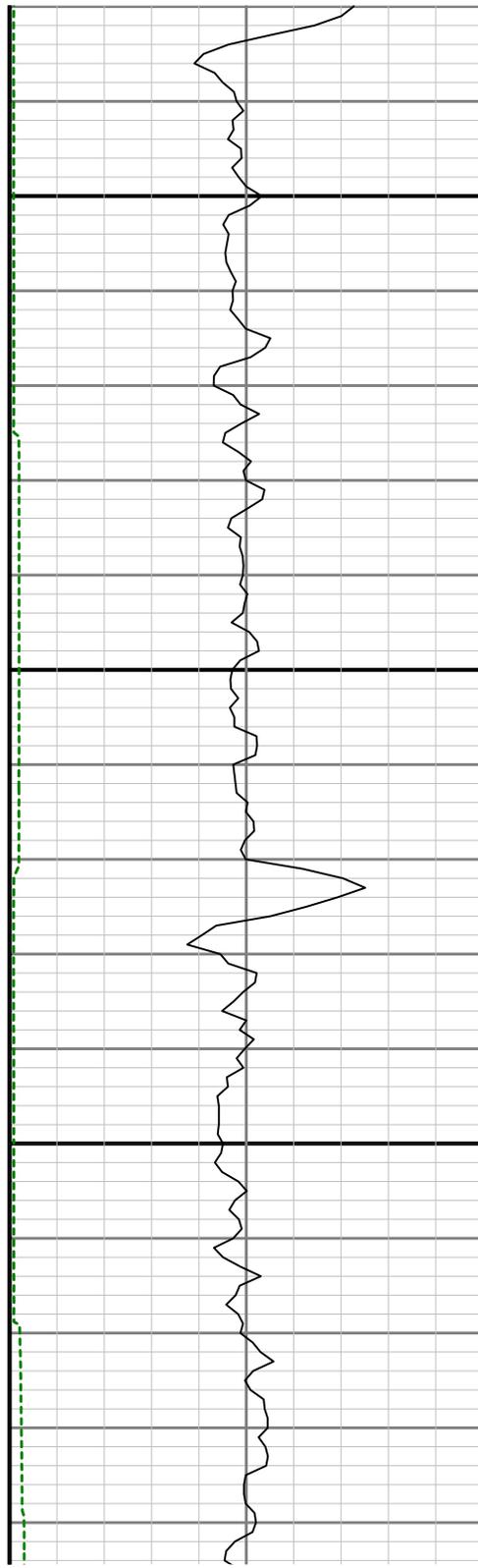
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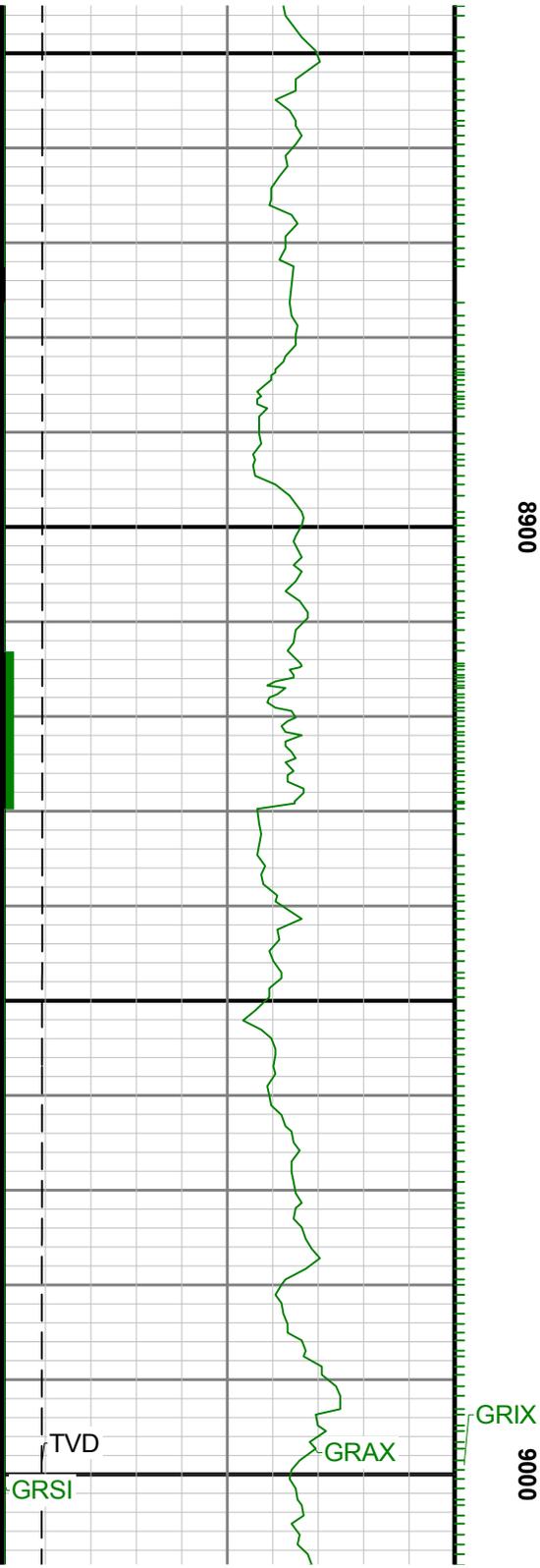


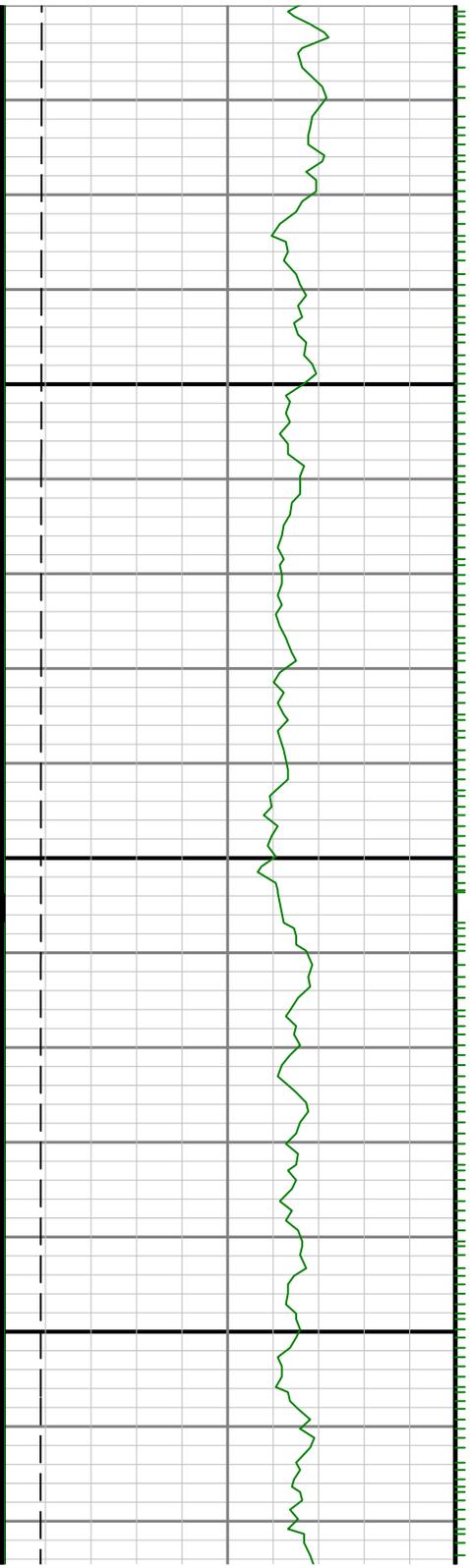


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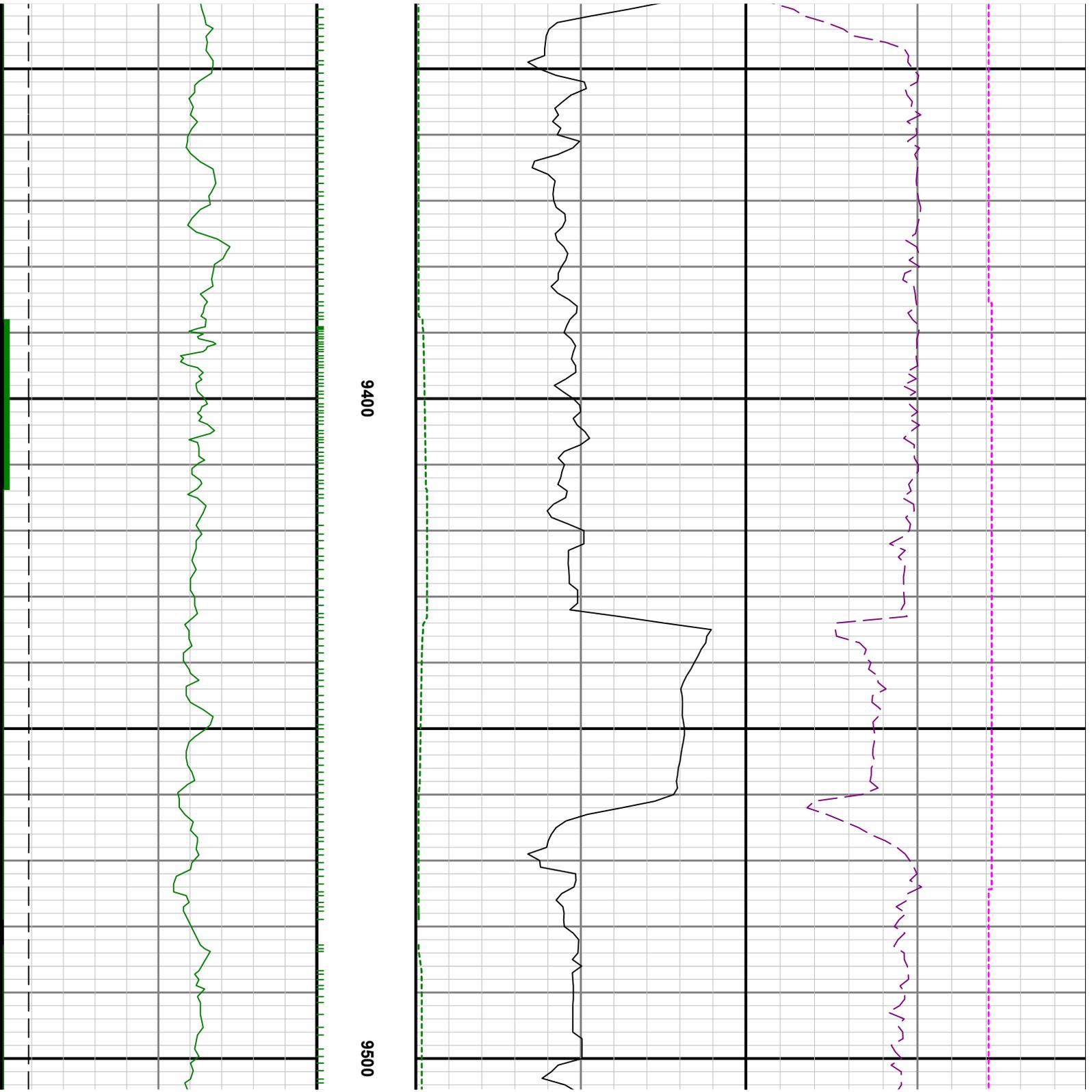


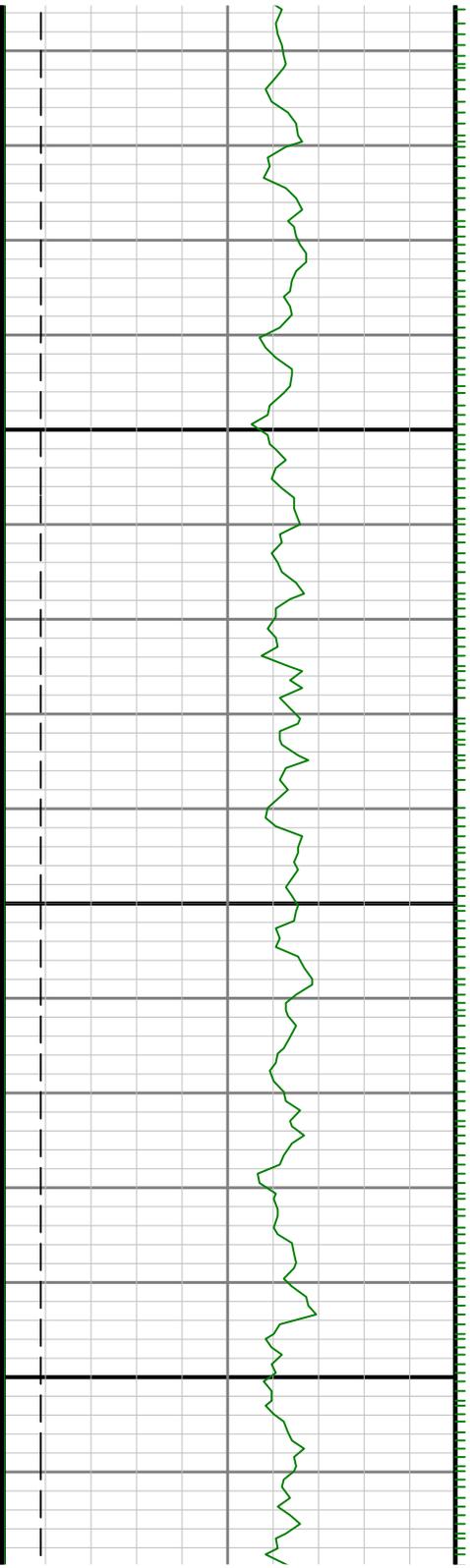


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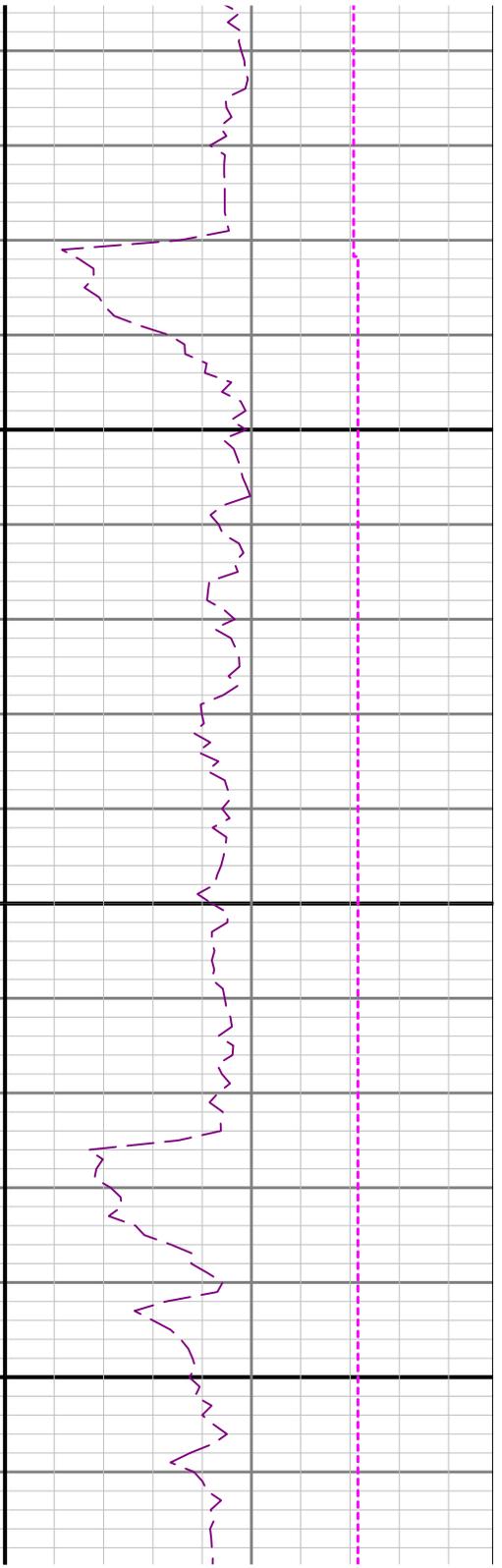




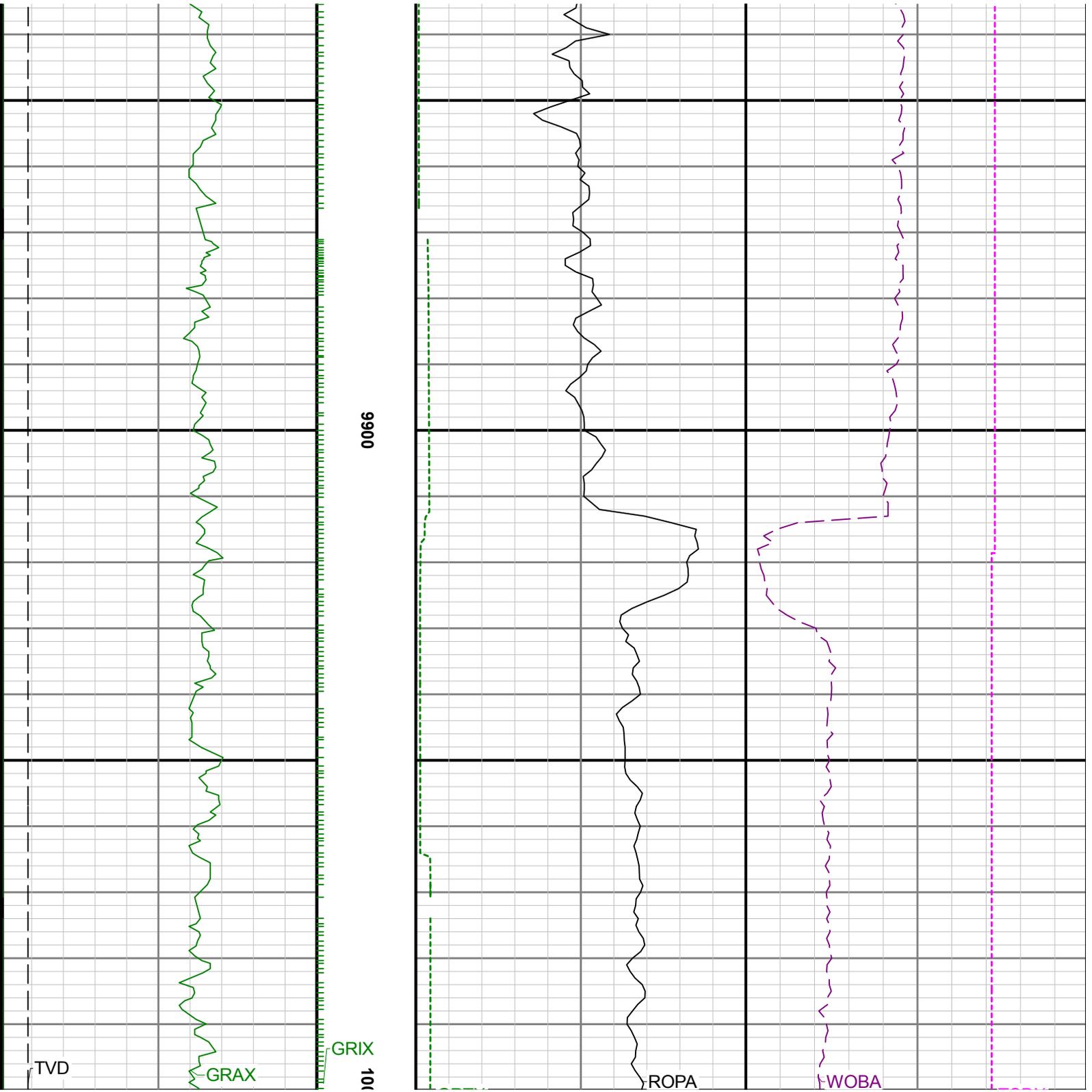


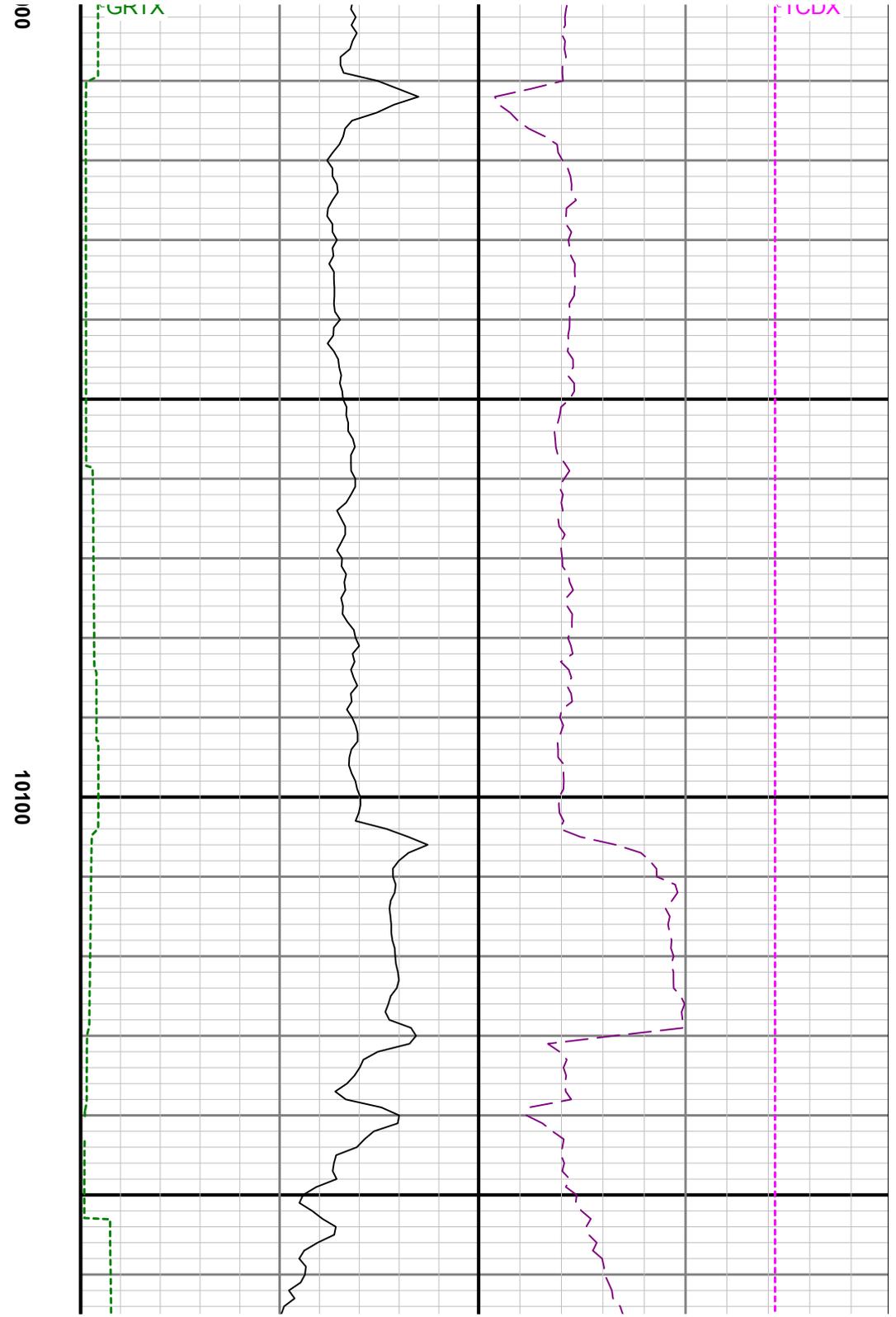
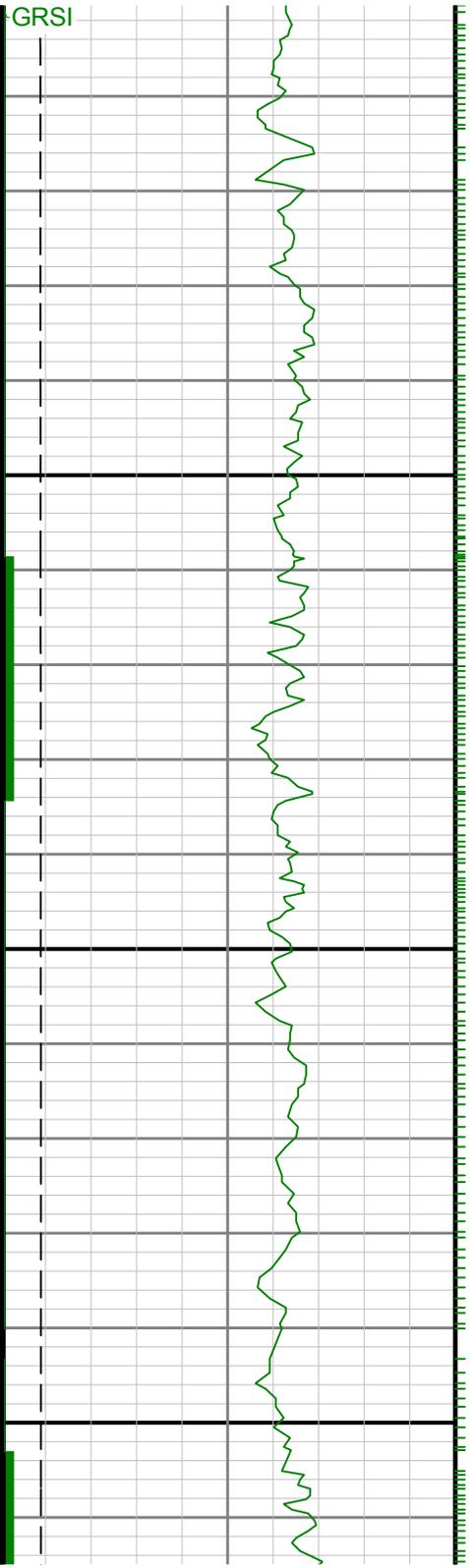


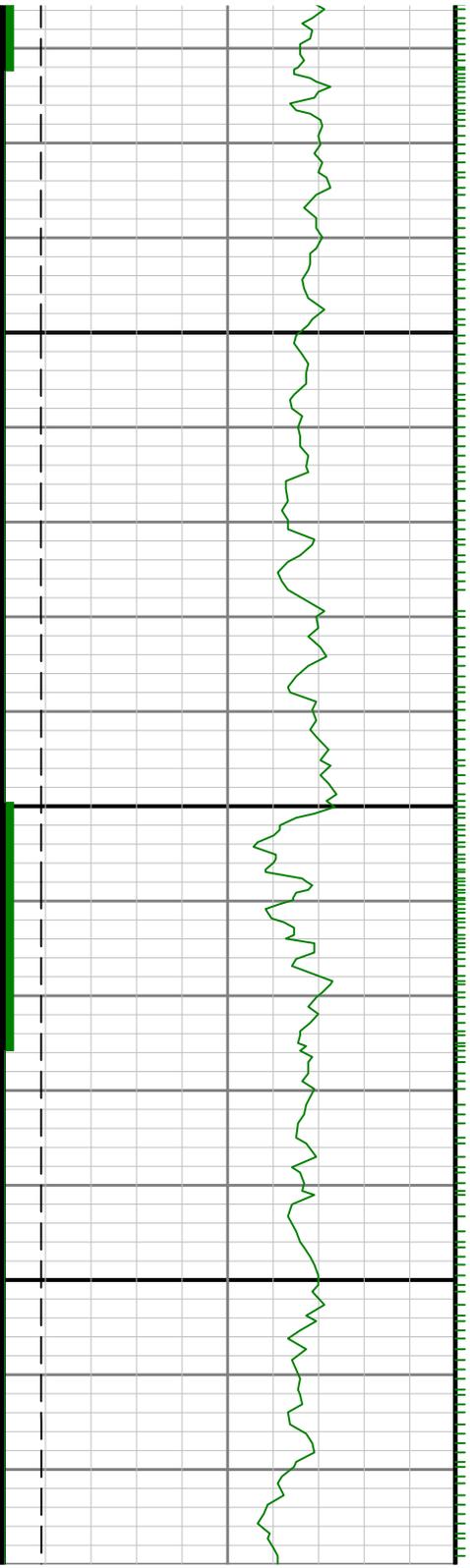
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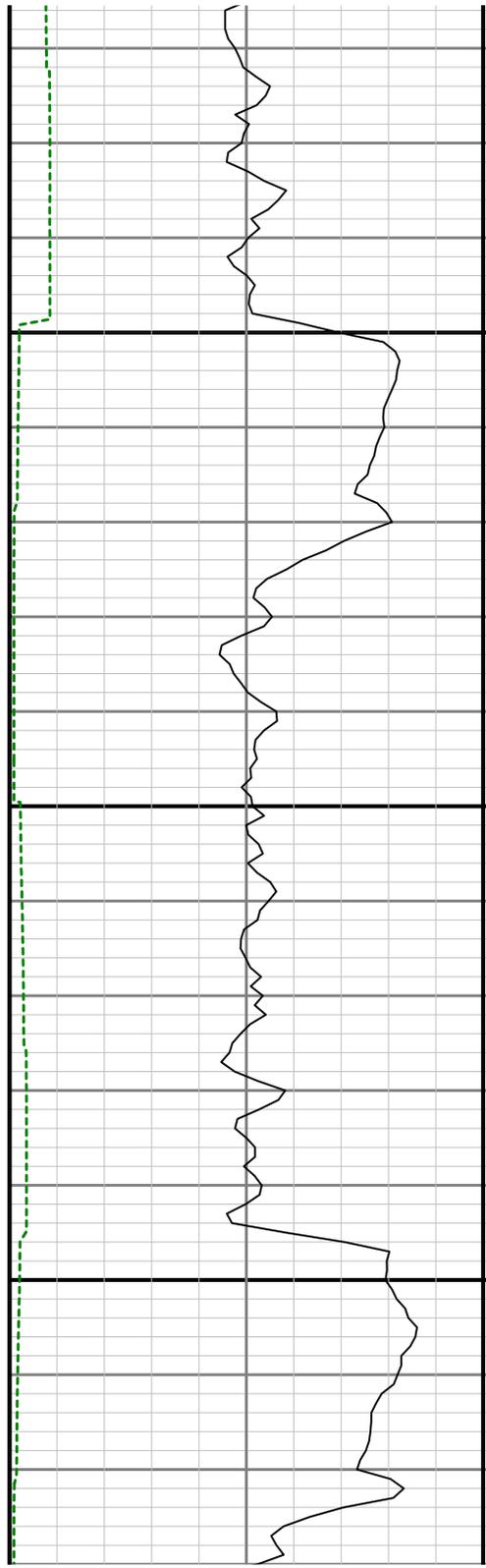


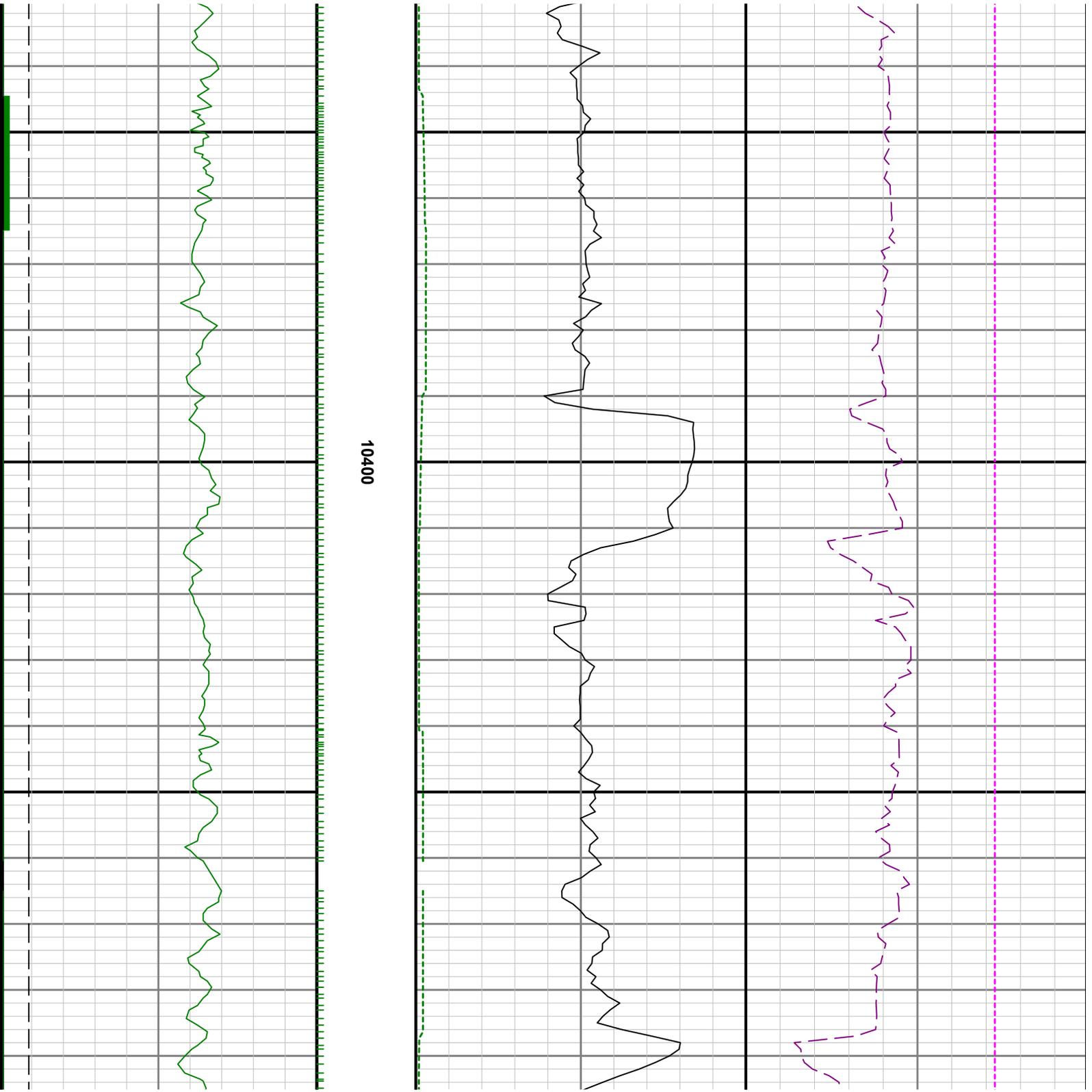


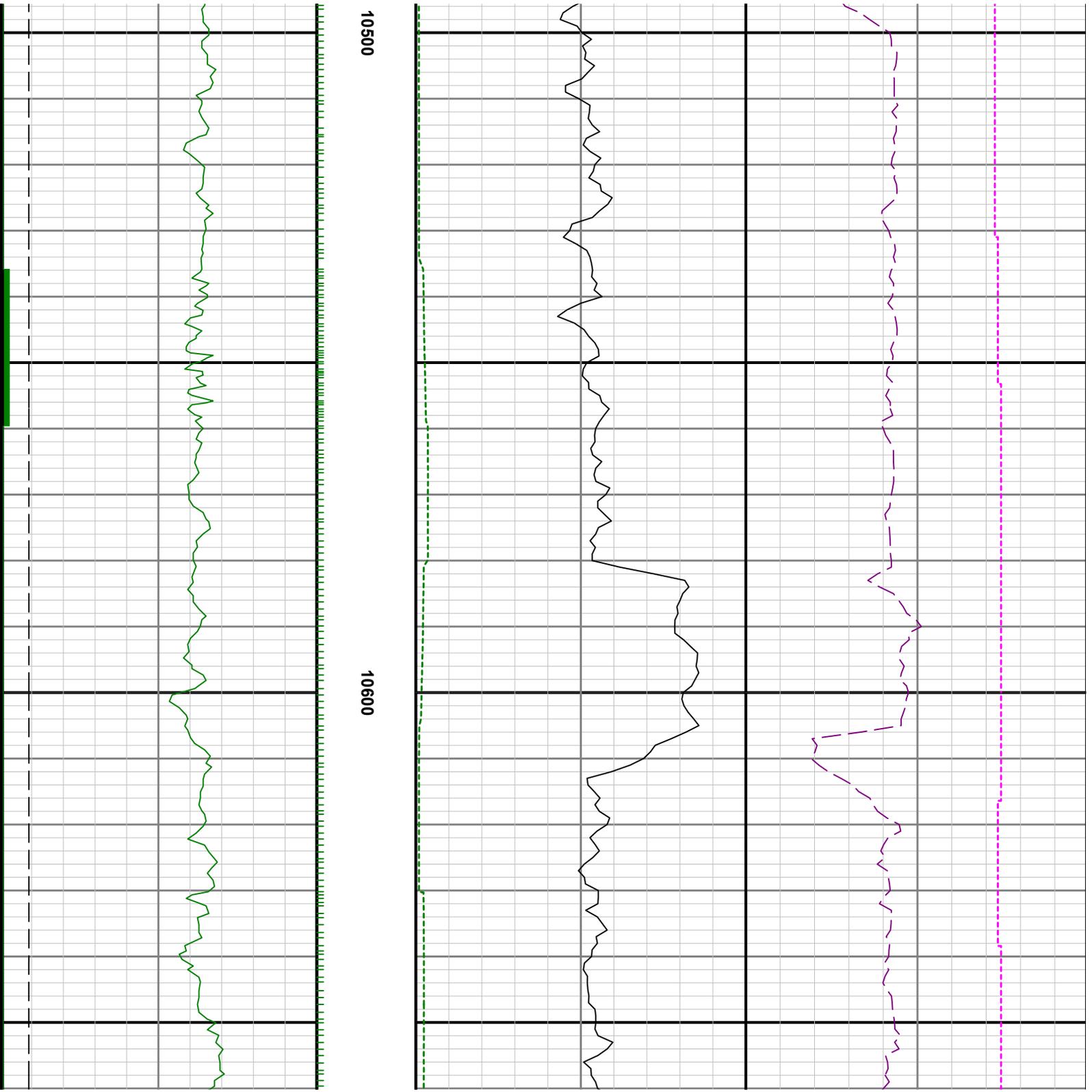


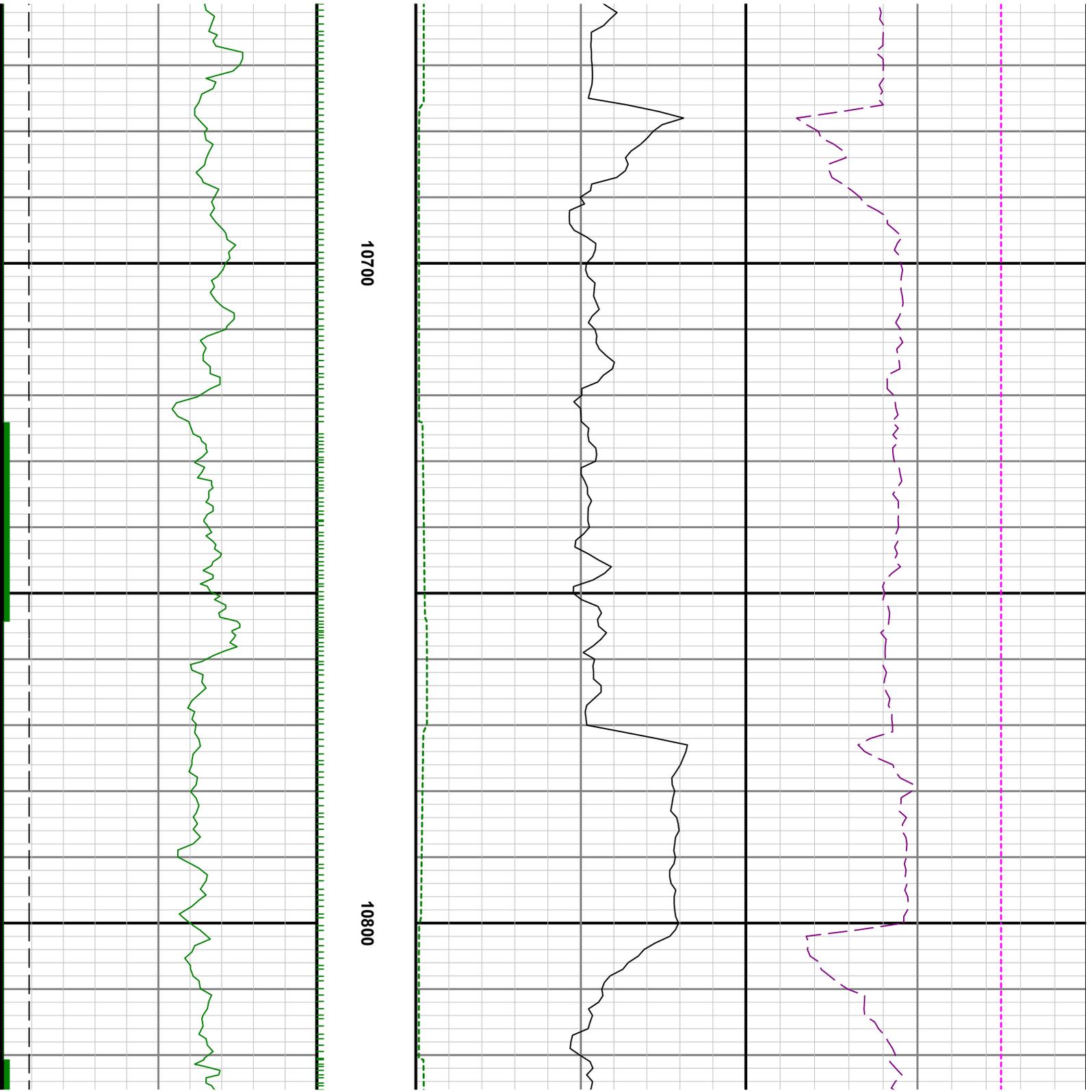
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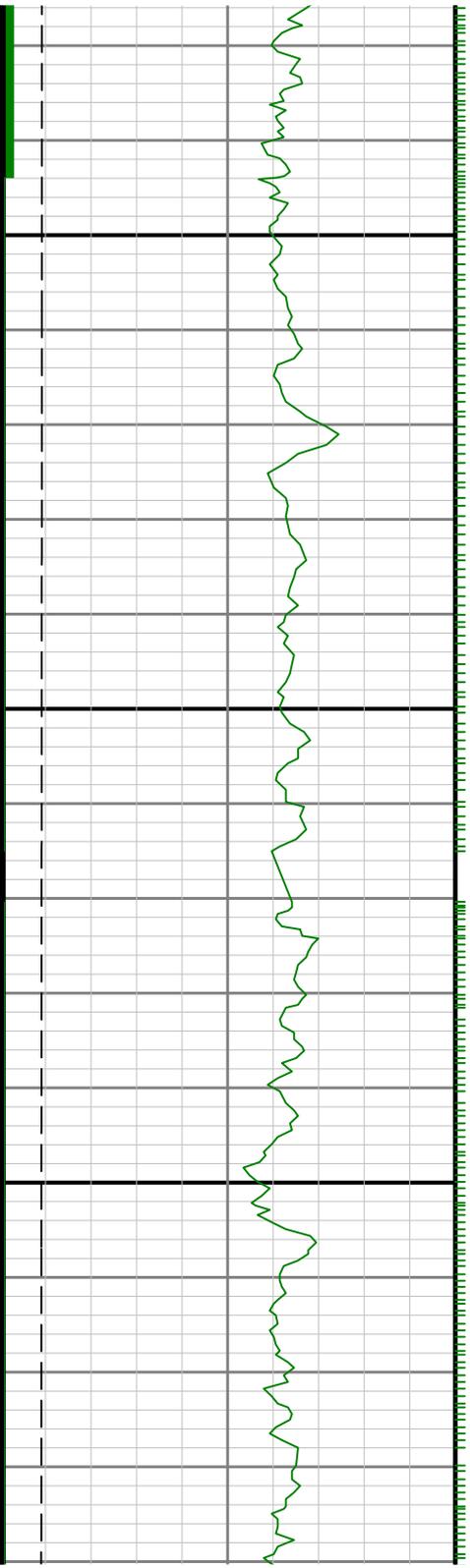
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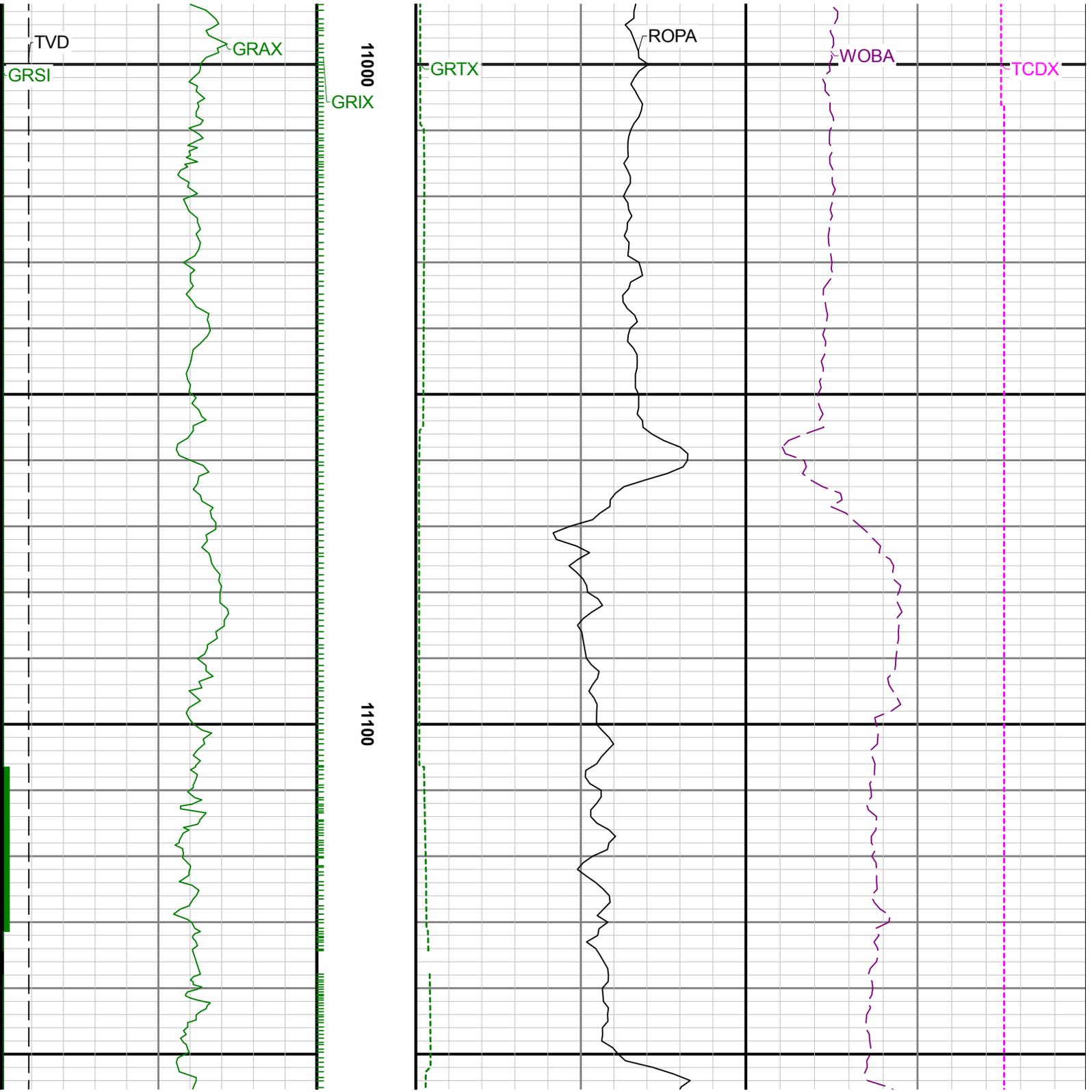




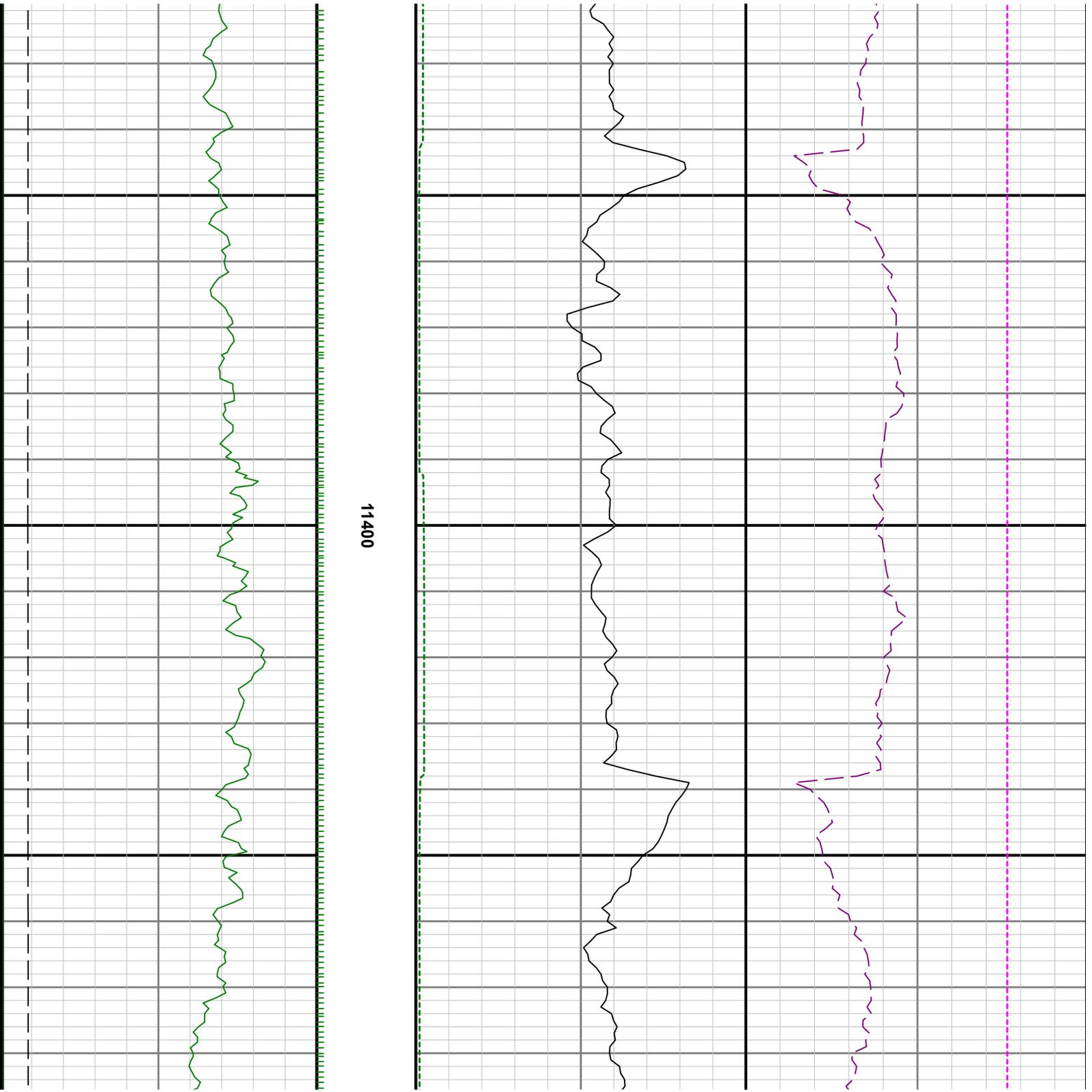


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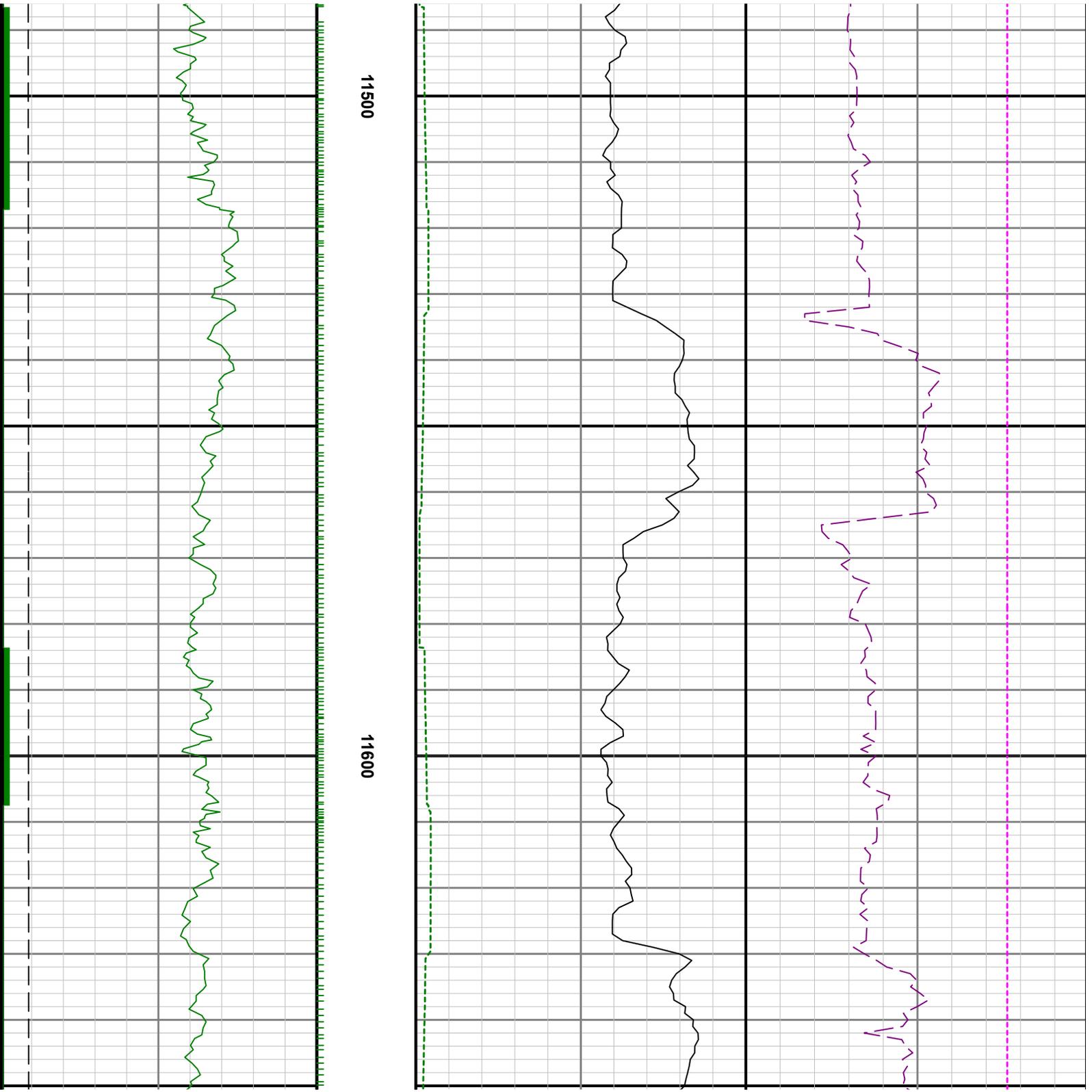


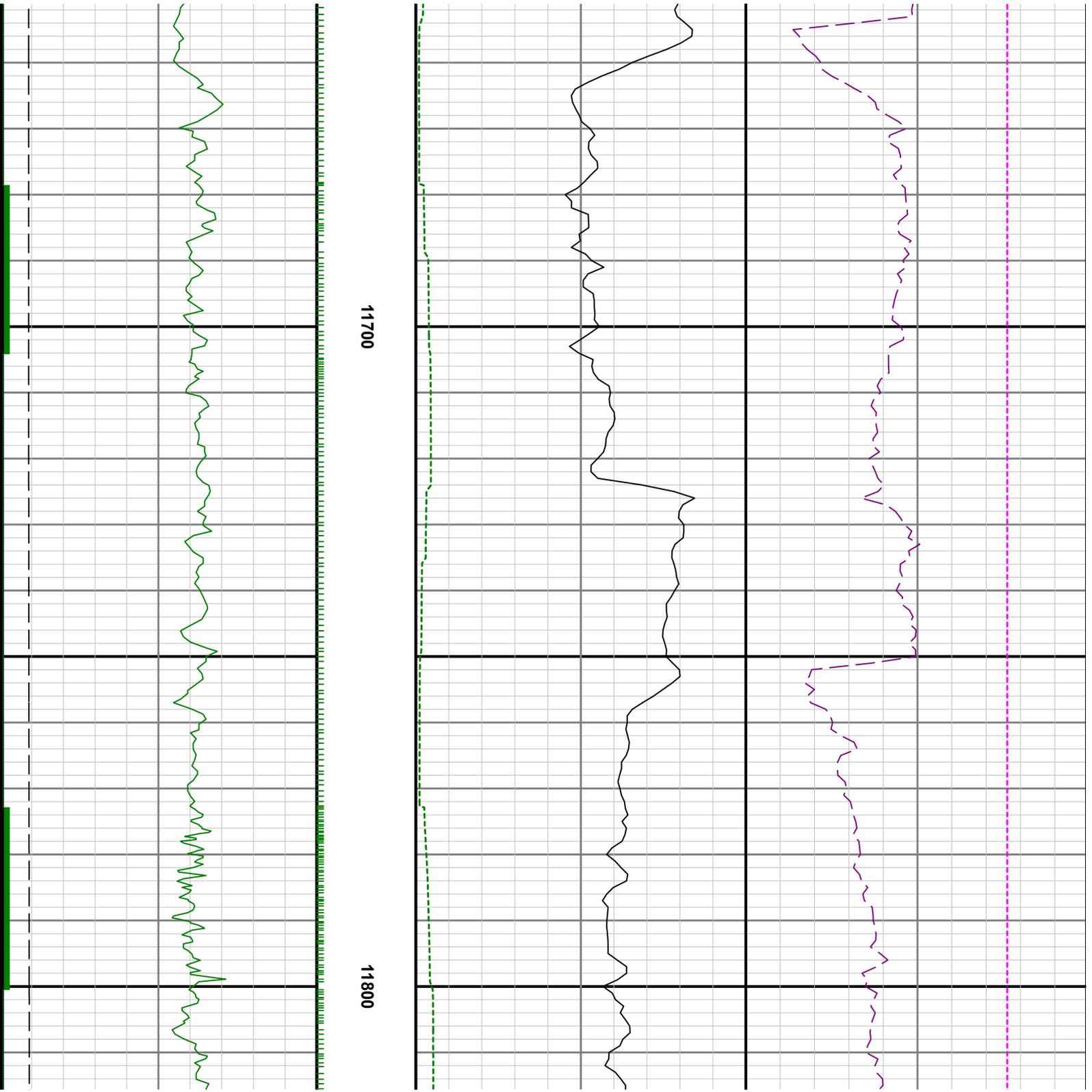


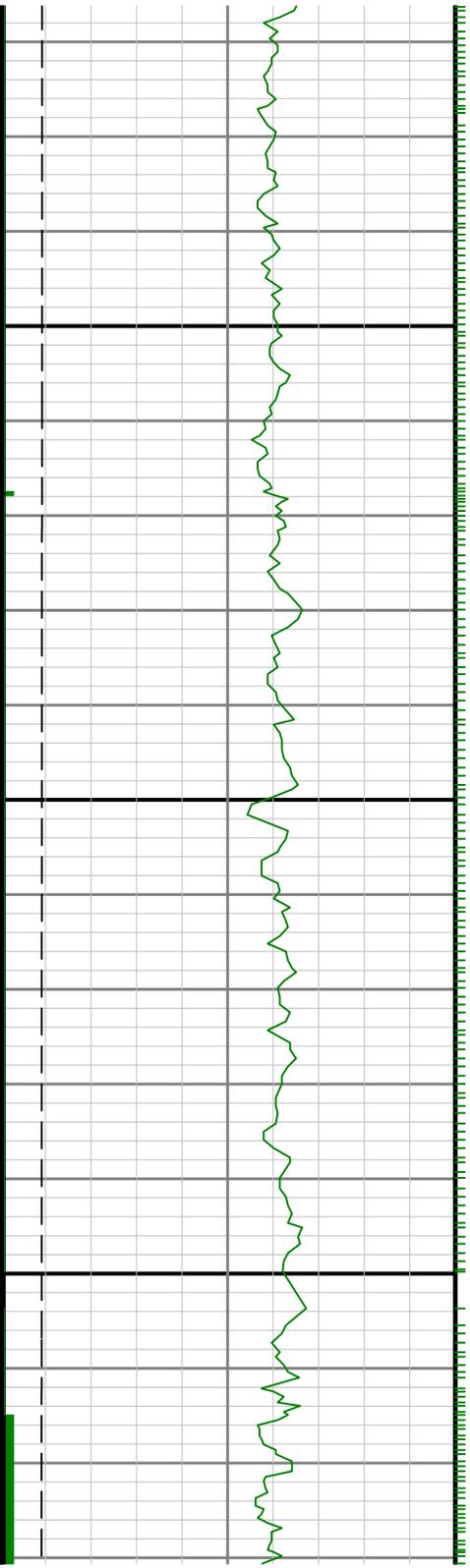




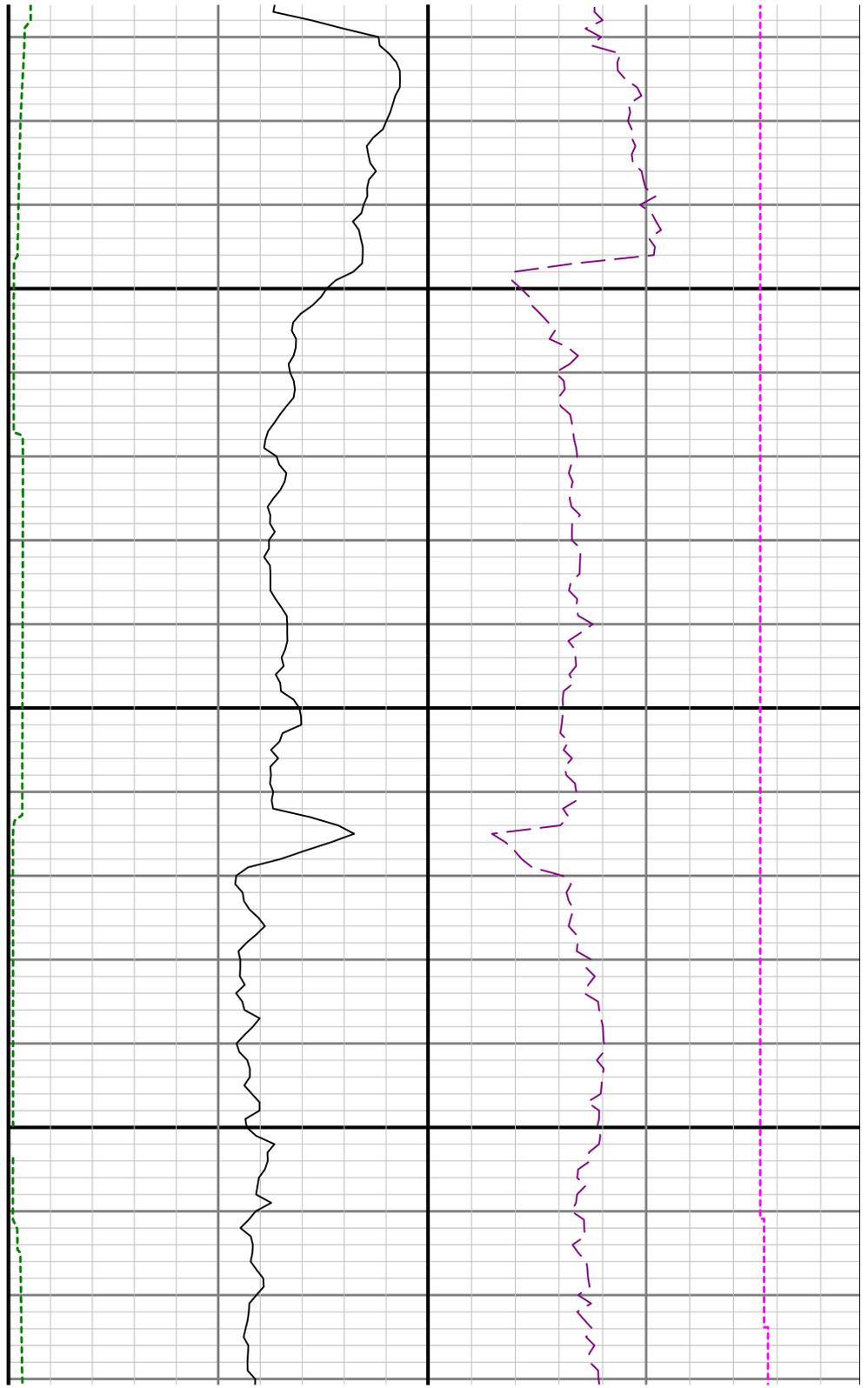
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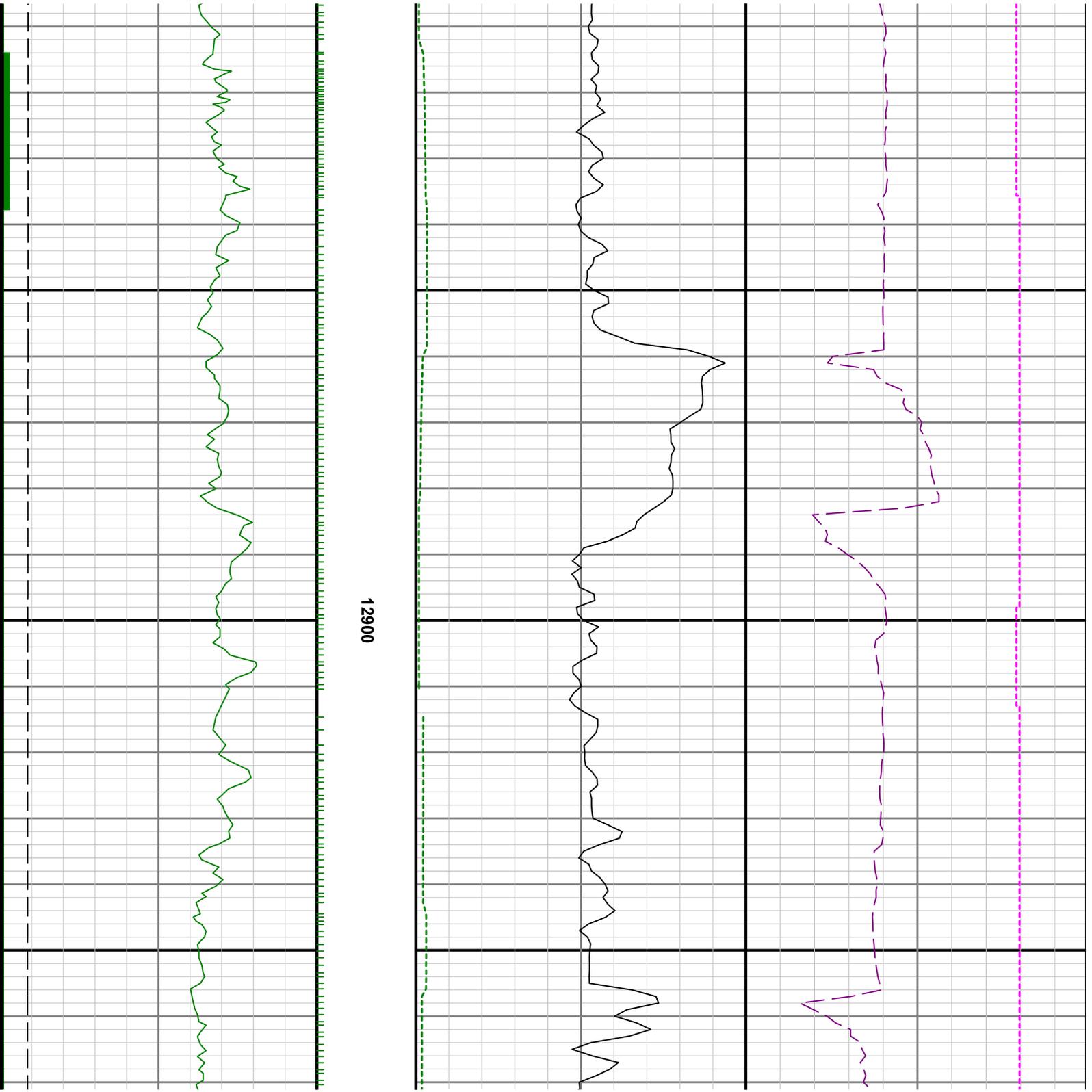
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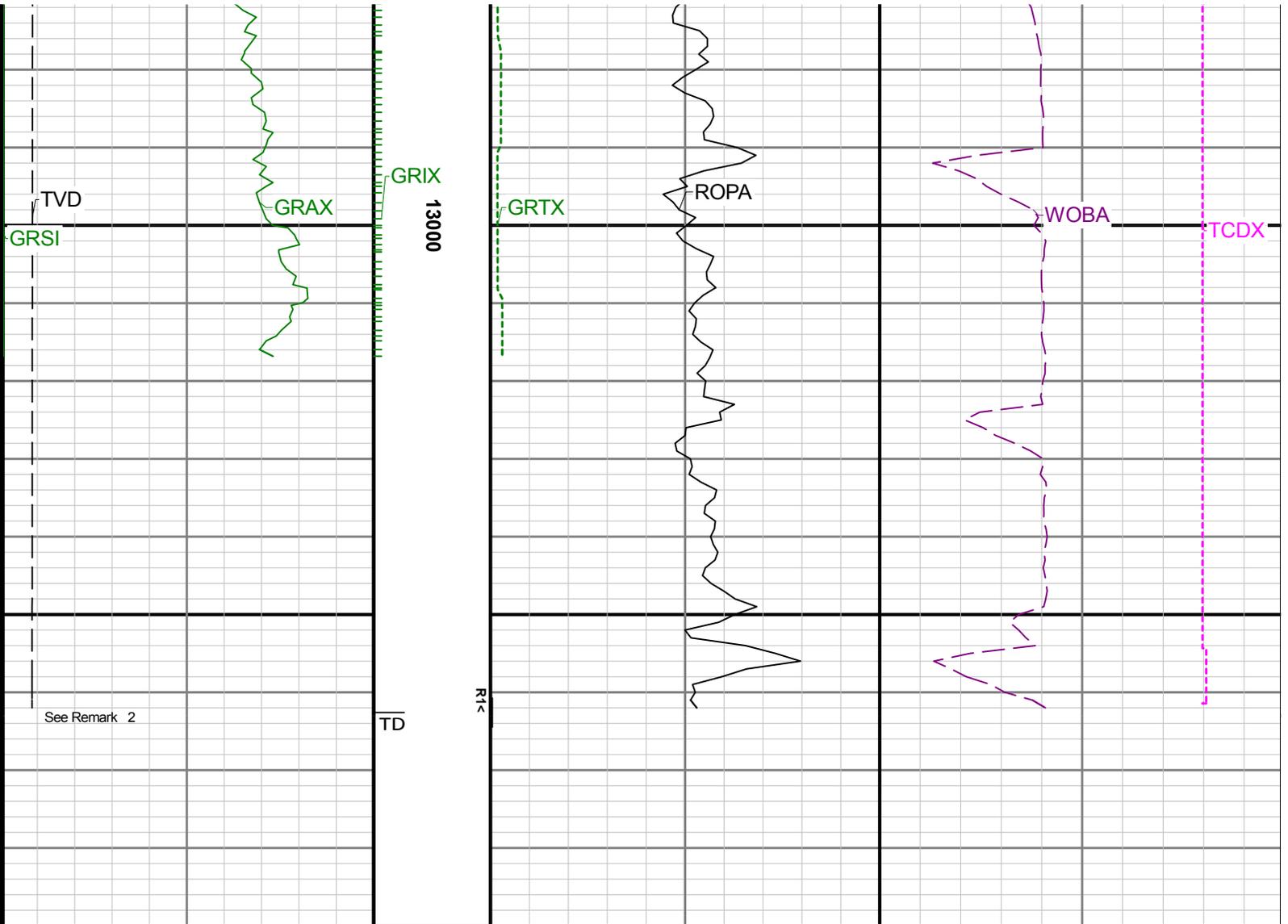




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12800





Gamma Ray Apparent 0.5 ft Average GRAX	
0	150
API	
True Vertical Depth TVD	
7600	6600
ft	

MD 1:240 feet

Rate of Penetration 3 ft Average ROPA	
1000	0
ft/h	
Gamma Ray Time Since Drilled GRTX	
0	600
min	

Surface Weight On Bit 1 ft Average WOBA	
0	100
klb	
Downhole Temperature TCDX	
0	300
degF	