



REALTIME LOG											
<div><div><div><div>BAKER HUGHES</div><div>a GE company</div></div><div></div></div></div>				Gamma Ray							
Scale:		Company: Great Western									
1:240		Well: B-FARM LD 18-392HC									
Measured Depth		Field: Wattenberg									
Depth Reference:		County: Adams Country: United States									
Driller's Depth		State: Colorado									
Status:		Surface Location:				Other Services:					
Final Print		Latitude:				039° 59' 01.342" N					
API No: 05-001-10094-00		Longitude:				104° 56' 01.216" W					
Job ID: 109627495		SEC: 7		TWN: 1S		RGE: 67W					
Permanent Datum (P.D.): Mean Sea Level		Elevation:		0.00 ft		Elev. KB:		N/A			
Log Measured From: Rig Floor		Above P.D.		5144.50 ft		Elev. DF:		5144.50 ft			
						Elev. GL:		5124.50 ft			
Dates		Interval Drilled				Magnetic Field Reference					
Date From: 2019-01-24		Top: (ft)		1756.00		Azi Reference North: True		Dip Angle: (deg)		66.44	
Date To: 2019-01-28		Bottom: (ft)		18619.00		Total Magnetic Field Strength: (nT)				51989	
Spud Date: 2018-11-30						Mag to Reference North Correction: (deg)				8.29	
Borehole Record											
Casing Record											
Hole Size (in)		From (ft)		To (ft)		Size (in)		Weight (lb/ft)		From (ft) To (ft)	
13.500		20.00		1756.00		9.625		36.00		20.00 1756.00	
8.500		1756.00		18619.00							
Mud Record											
Deviation Record											
Type		From (ft)		To (ft)		Hole Size (in)		Interval (ft)		Inc Az (Start) Inc Az (End)	
Diesel-Oil Based Mud		1756.00		18619.00		8.500		16863.00		0.73 240.51 89.94 175.00	
		</									

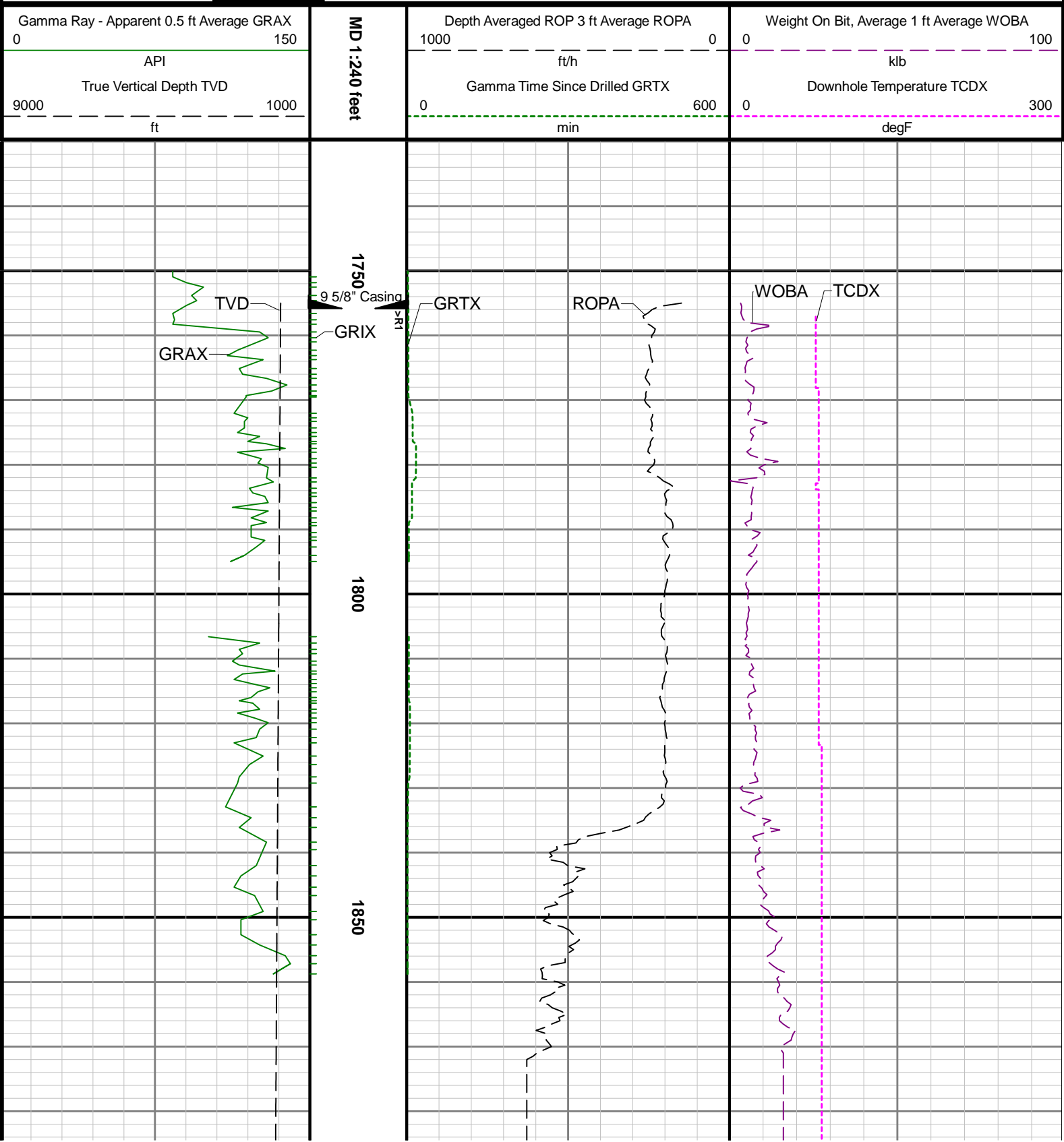
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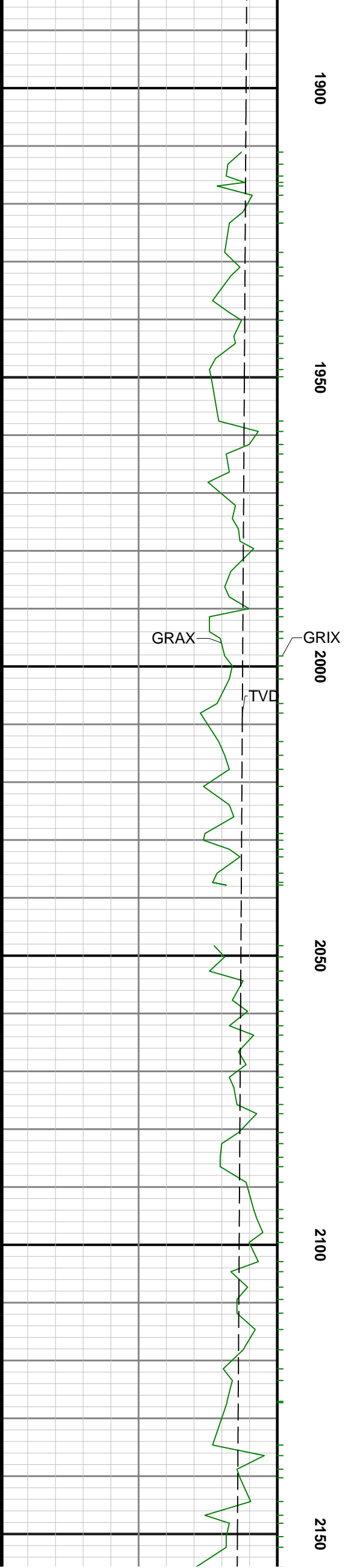
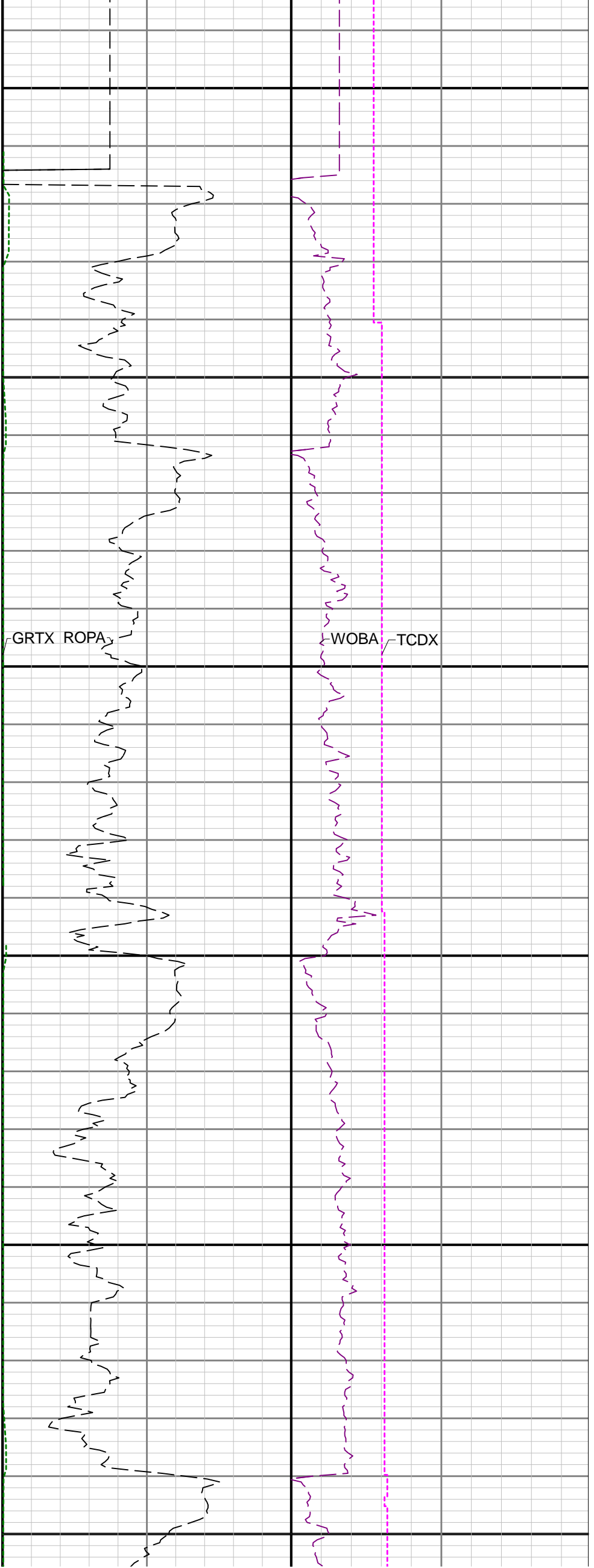
- 1
- Depth measurements were obtained from a depth control system not supplied or operated by Baker Hughes, a GE Company (BHGE). Due to the lack of control by BHGE logging engineers, depth calibrations and measurements could not be independently verified.
- 2
- BHGE run 1 utilized a 6.750 inch NaviGamma Service (Directional and Gamma Ray) behind an 8.500 inch bit and rotary steerable assembly from 1755 to 18619 feet MD (1756 to 8006 feet TVD).
- 3
- Some gaps are present in the GRAX curve due to drilling ahead while surveying and downlinking.

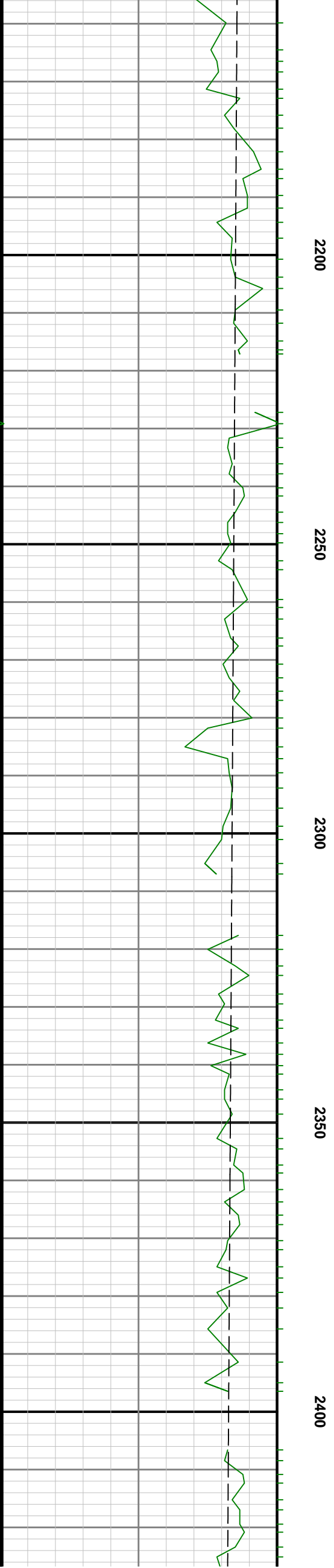
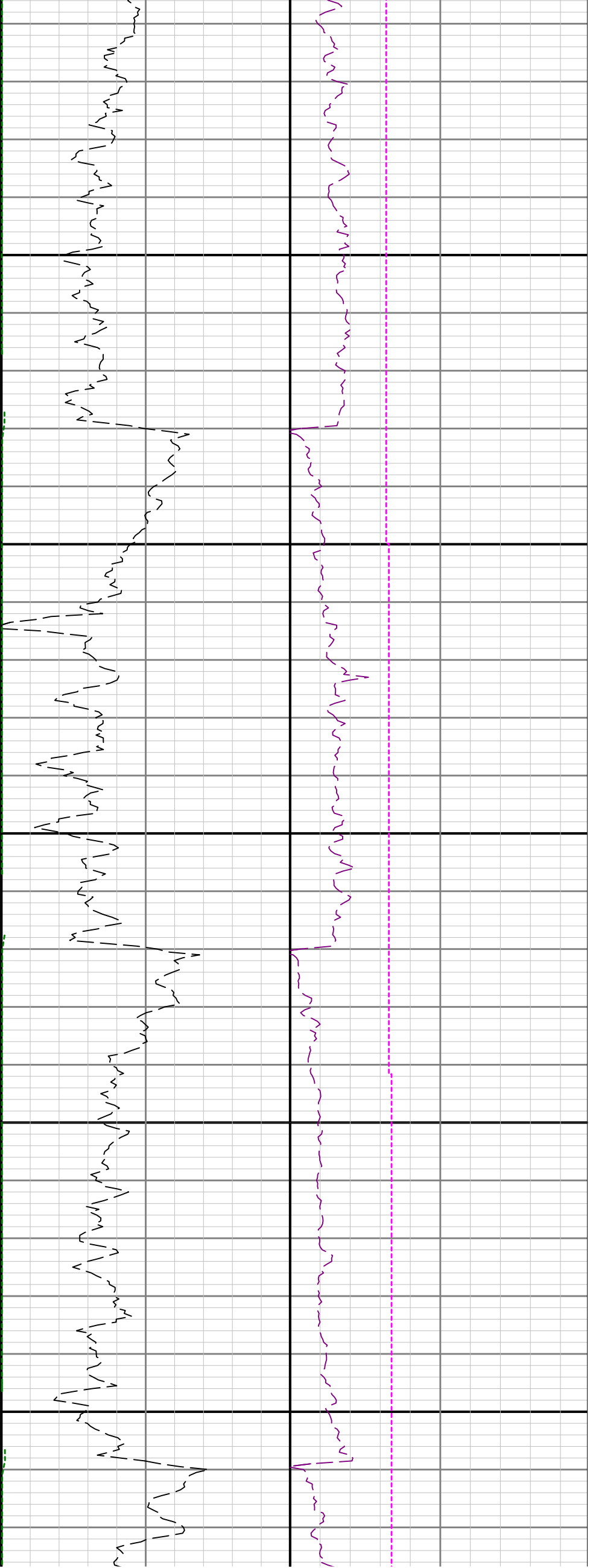
Remarks				
Number	Measured Depth (ft)	Hole Section (in)	Run No.	Remark
1	18379.00	8.500	1	The weight on bit and rate of penetration curves are flat for the interval from 18379 to 18453 feet MD (8006 feet TVD) due to a depth tracking malfunction.
2	18605.00	8.500	1	The interval from 18605 to 18619 feet MD (8006 feet TVD) was not logged due to gamma sensor offset from bit.

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 - Real-Time 0.5 ft Average	API
GRIX	Gamma Ray - Data Point Indicator - Real-Time	unitless
GRTX	Gamma Ray - Time Since Drilled - Real-Time	min

<div><div>BAKER HUGHES</div><div>a GE company</div></div> <div></div>	Company	Great Western			
	Well	B-FARM LD 18-392HC			
	Interval	Date From:	2019-01-24 12:34	Top:	1756.00 ft
		Date To:	2019-01-28 09:05	Bottom:	18619.00 ft
	Created	2019-01-28 09:04:04			









2450

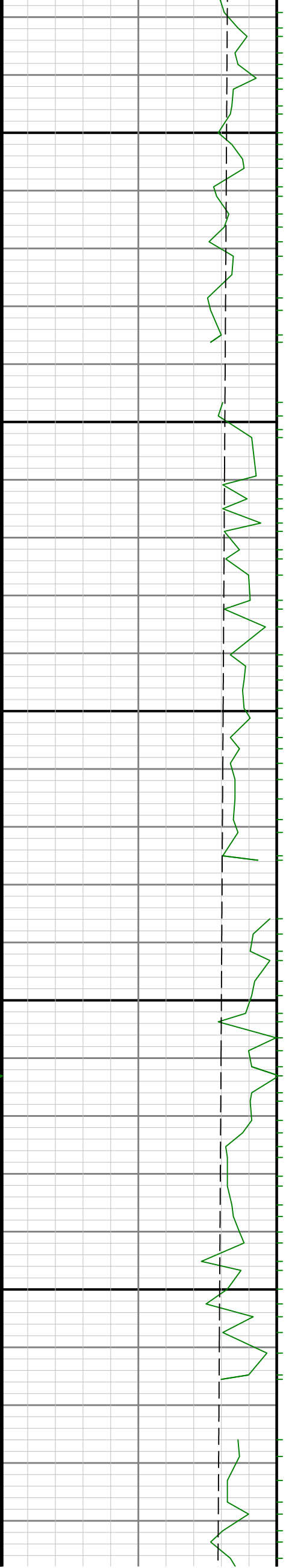
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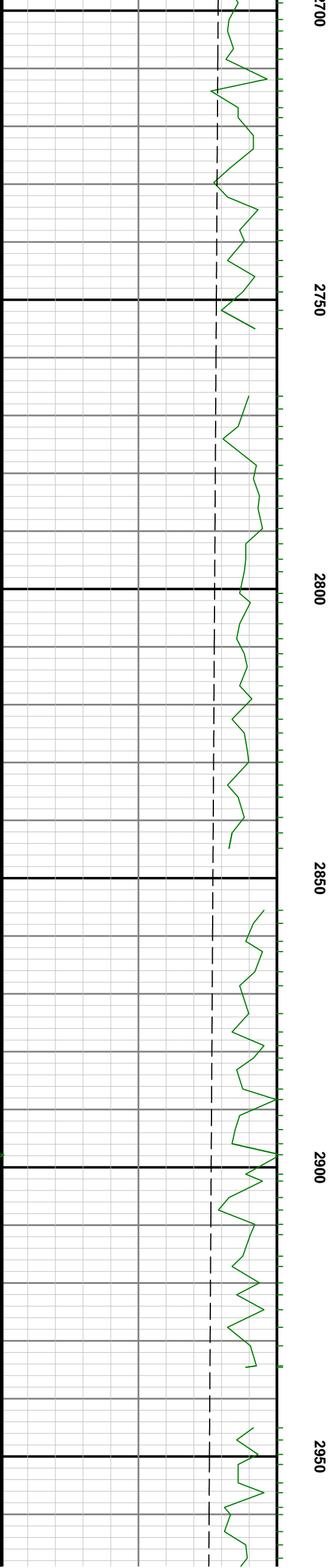
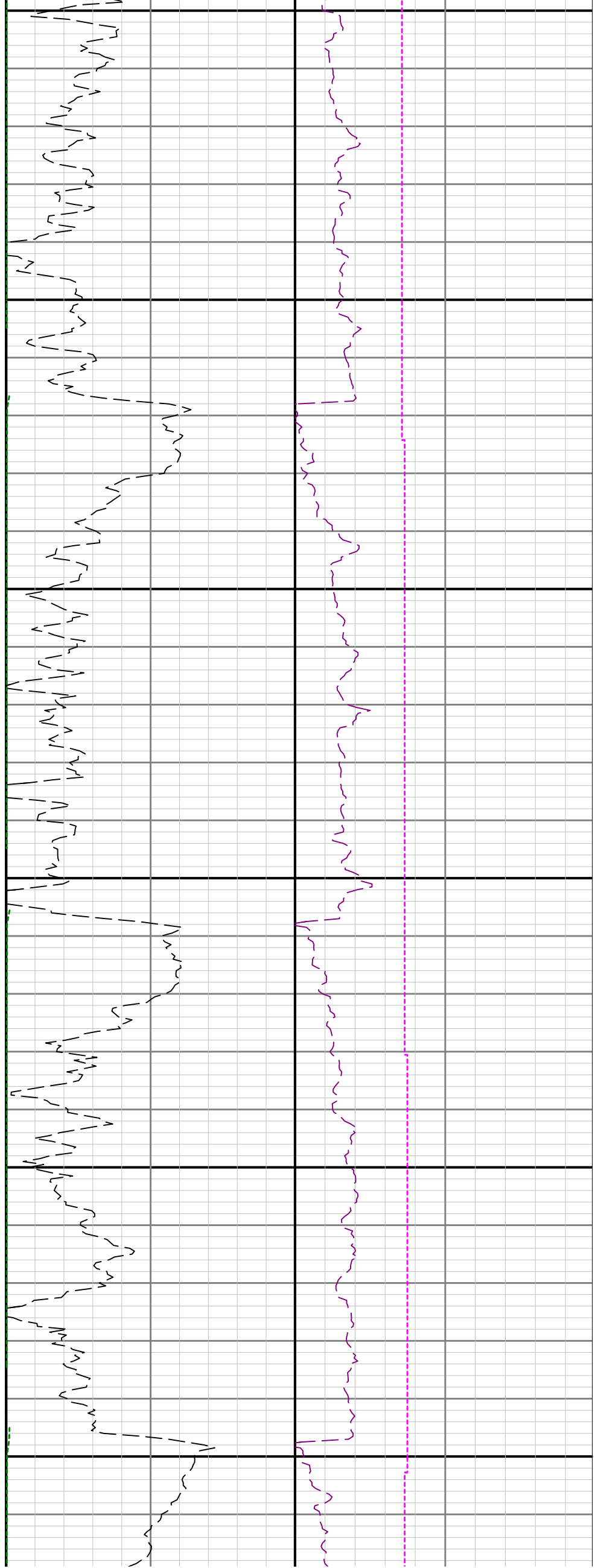
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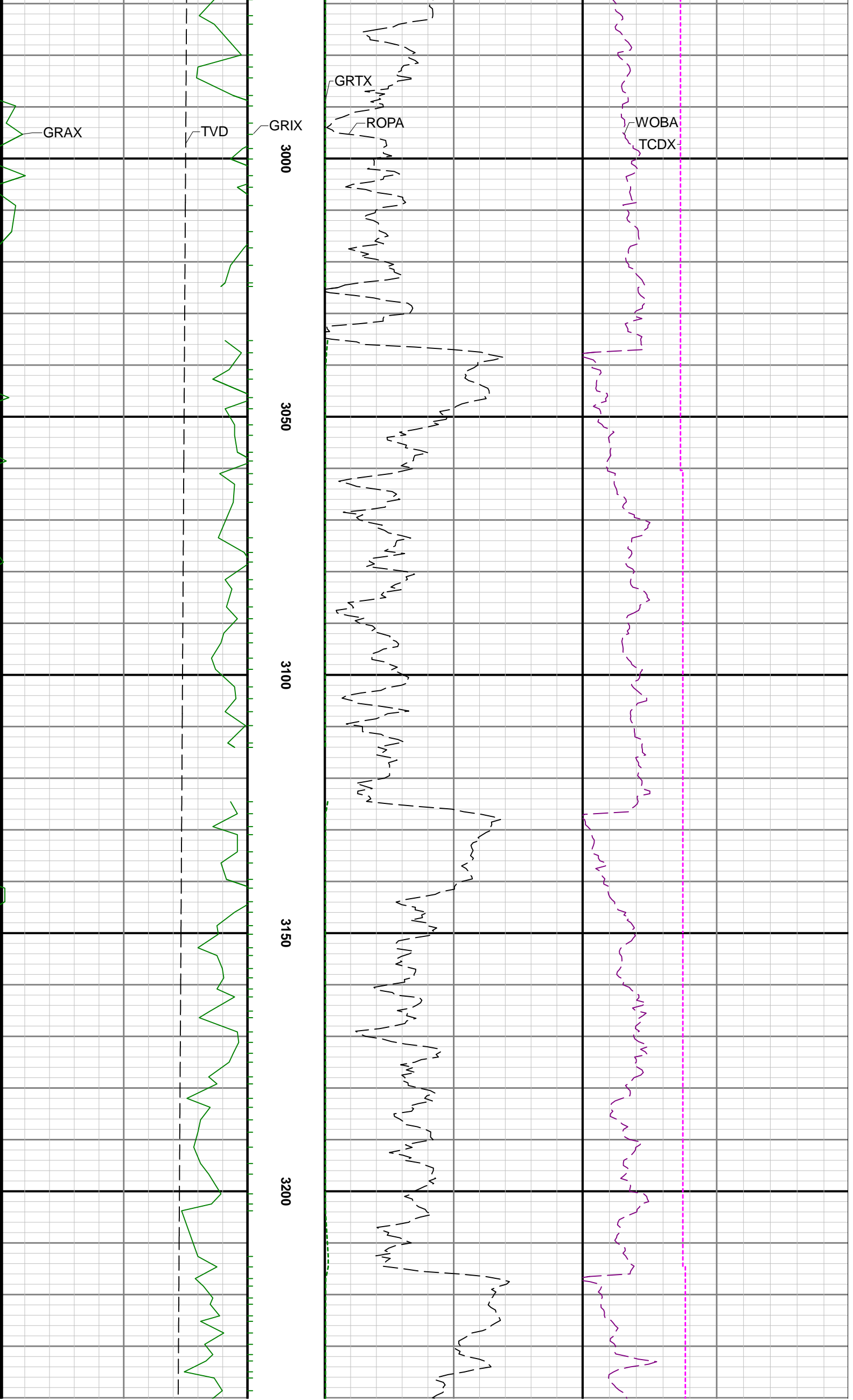
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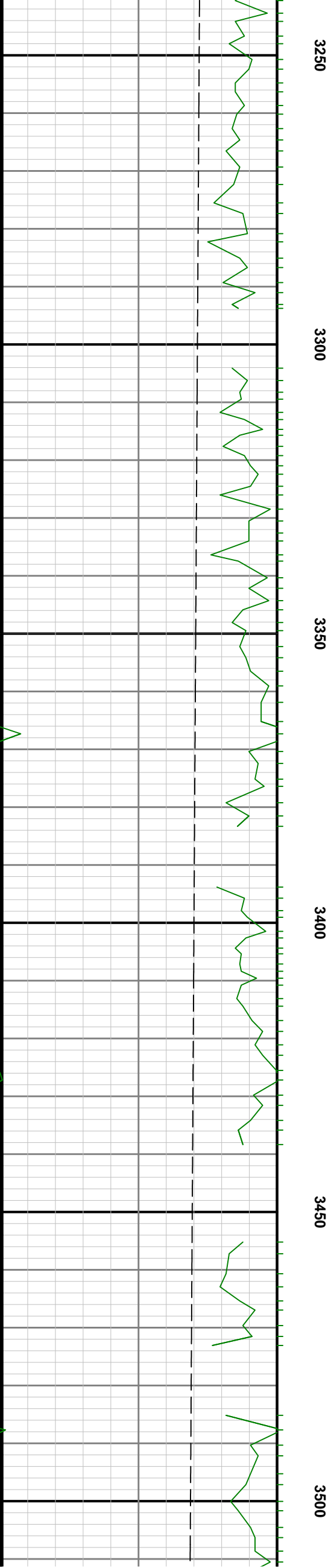
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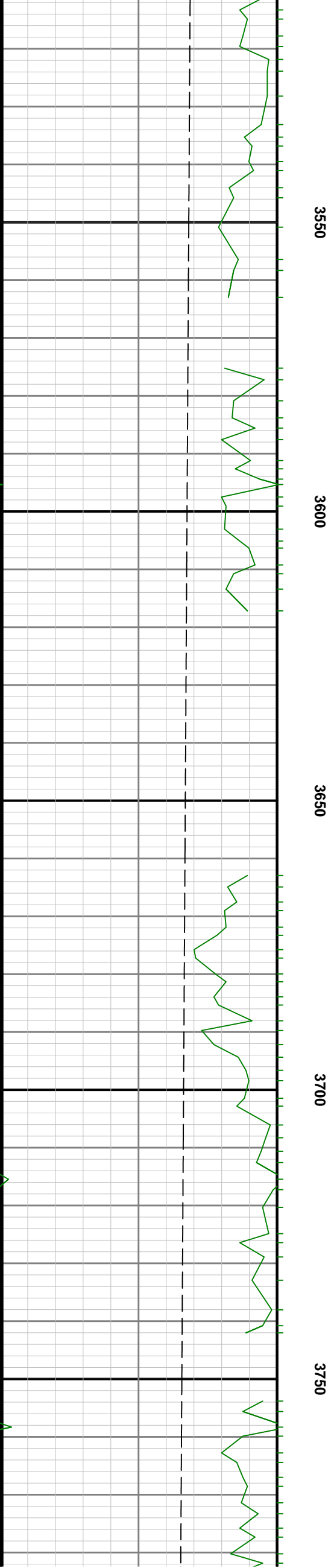
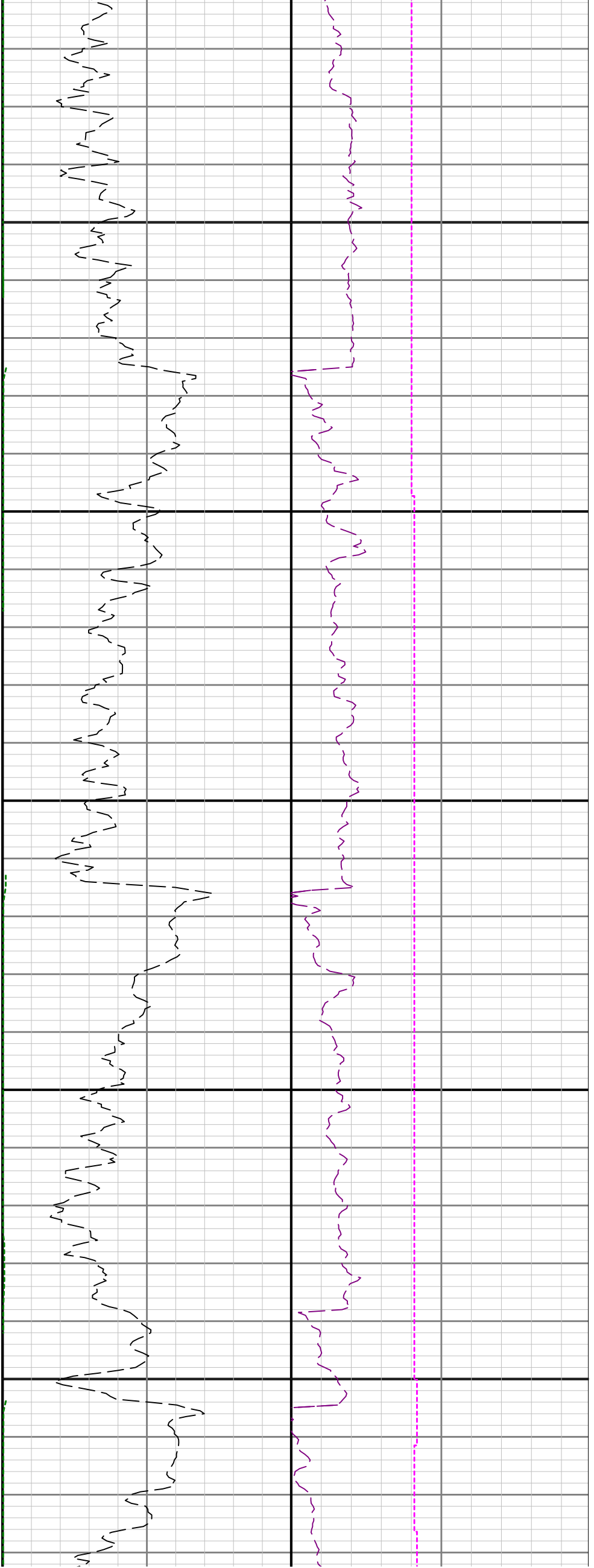
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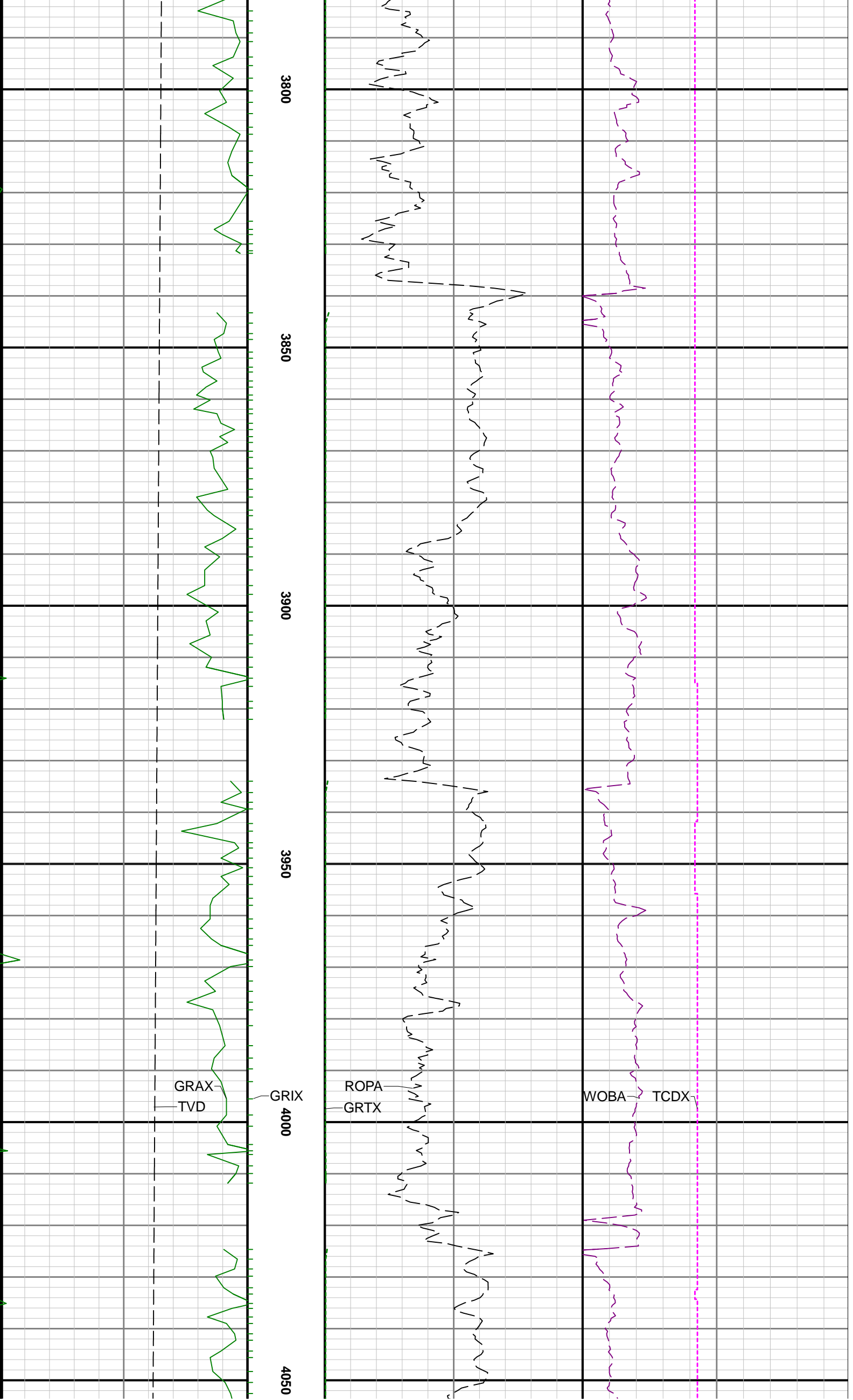


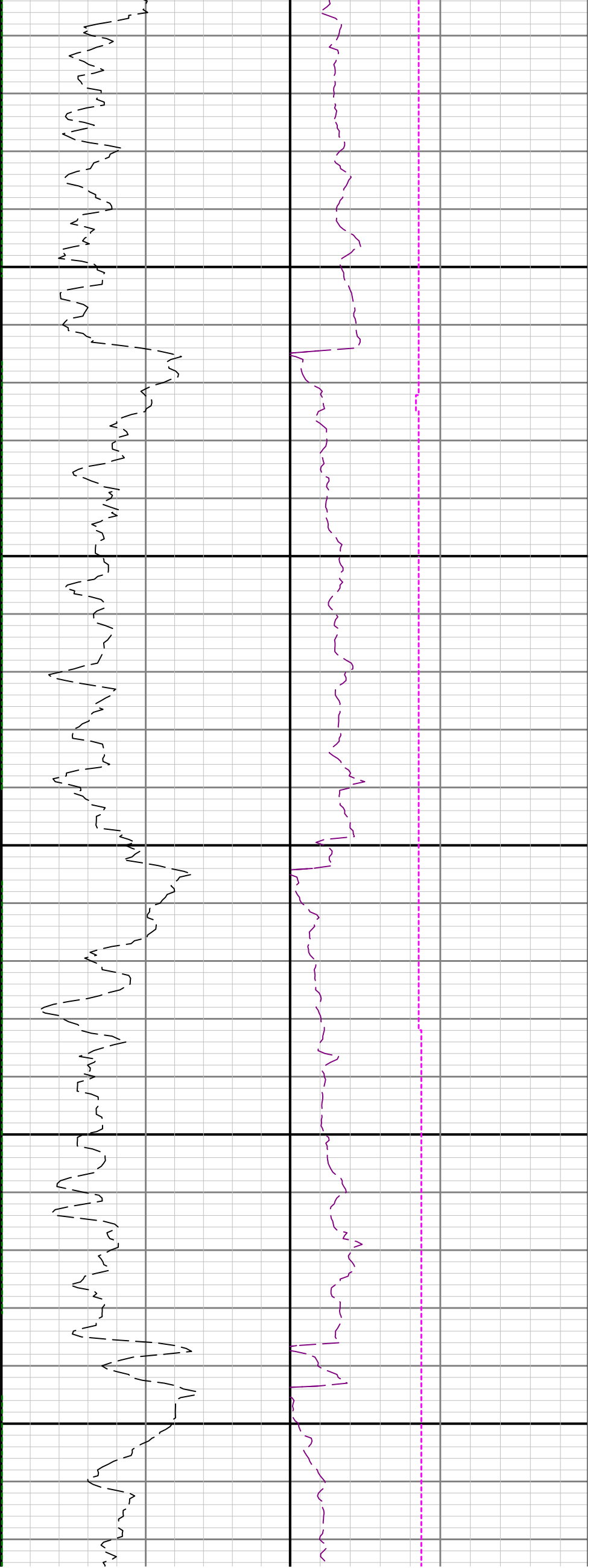












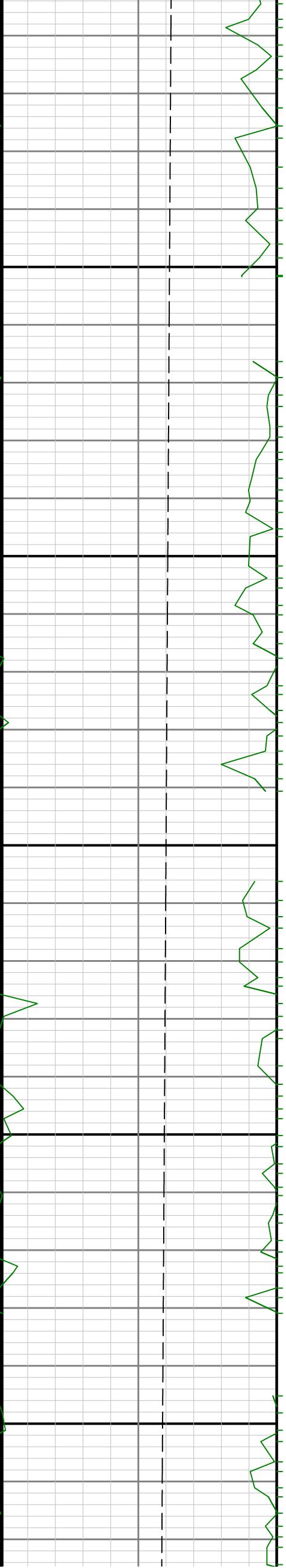
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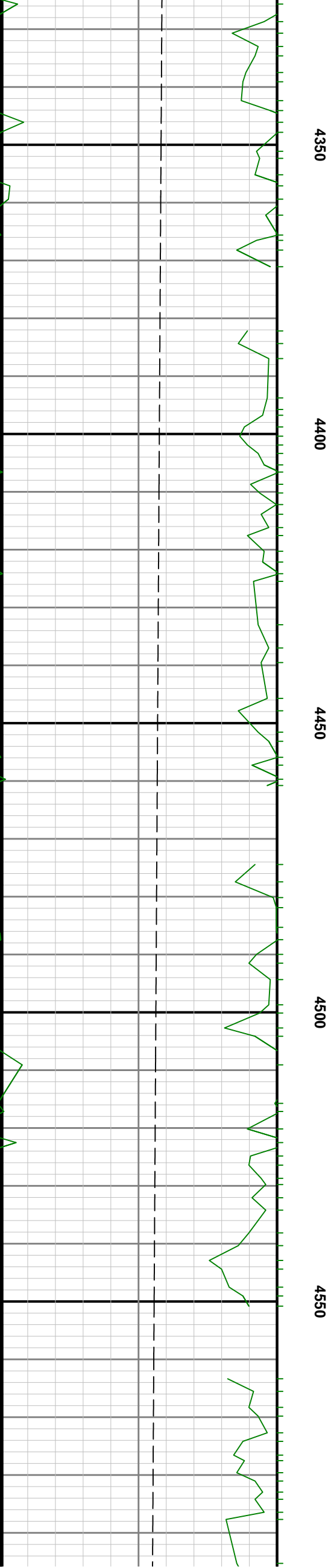
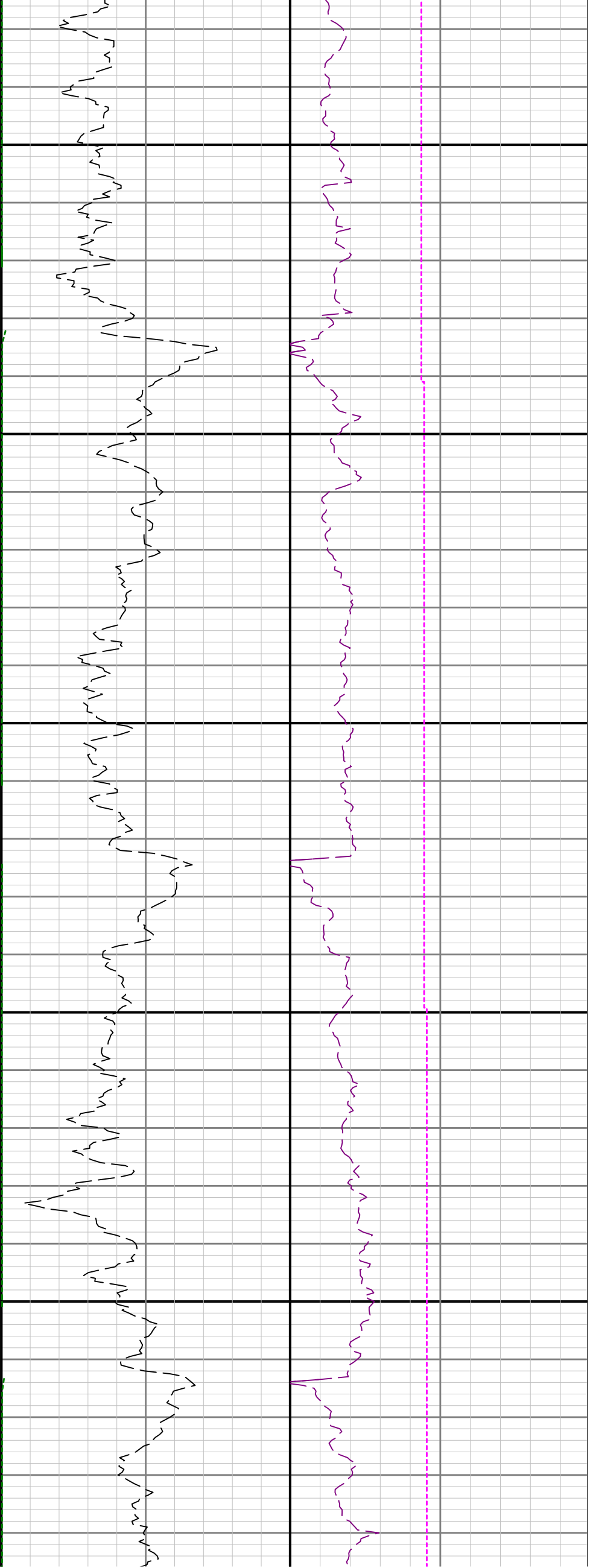
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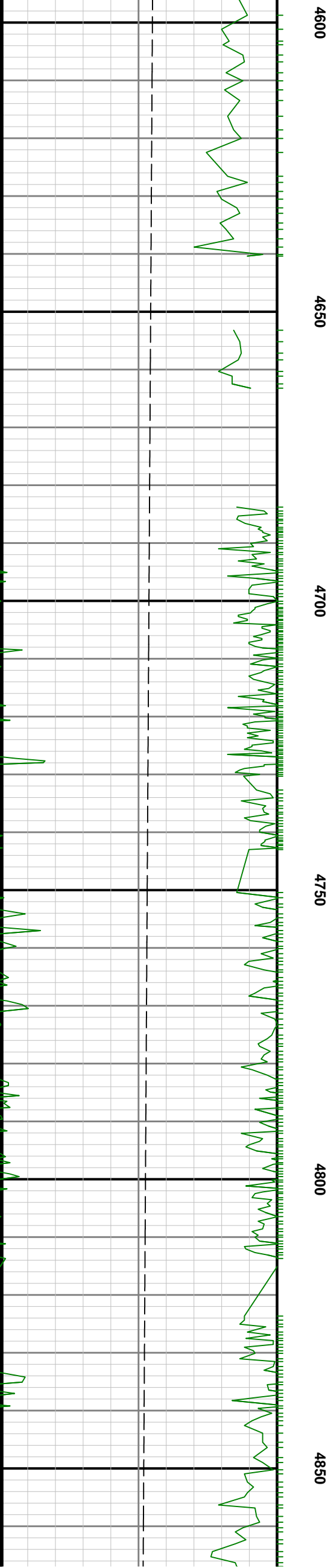
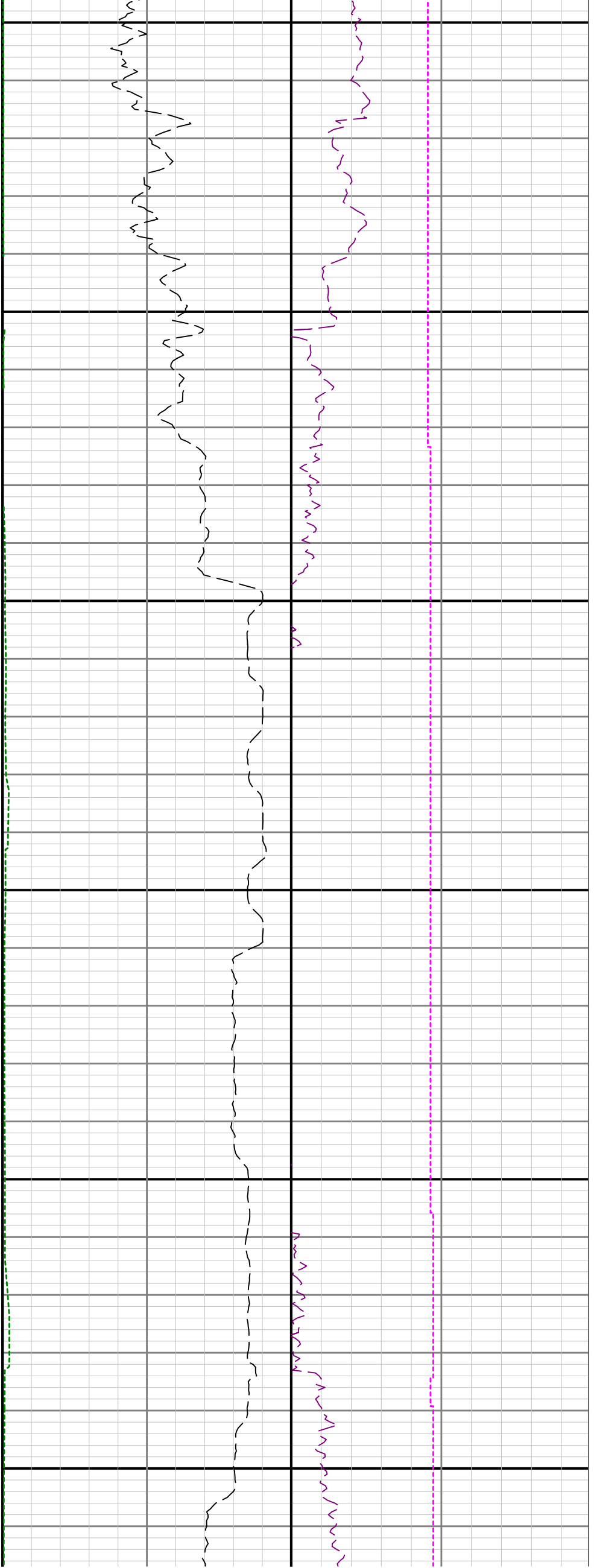
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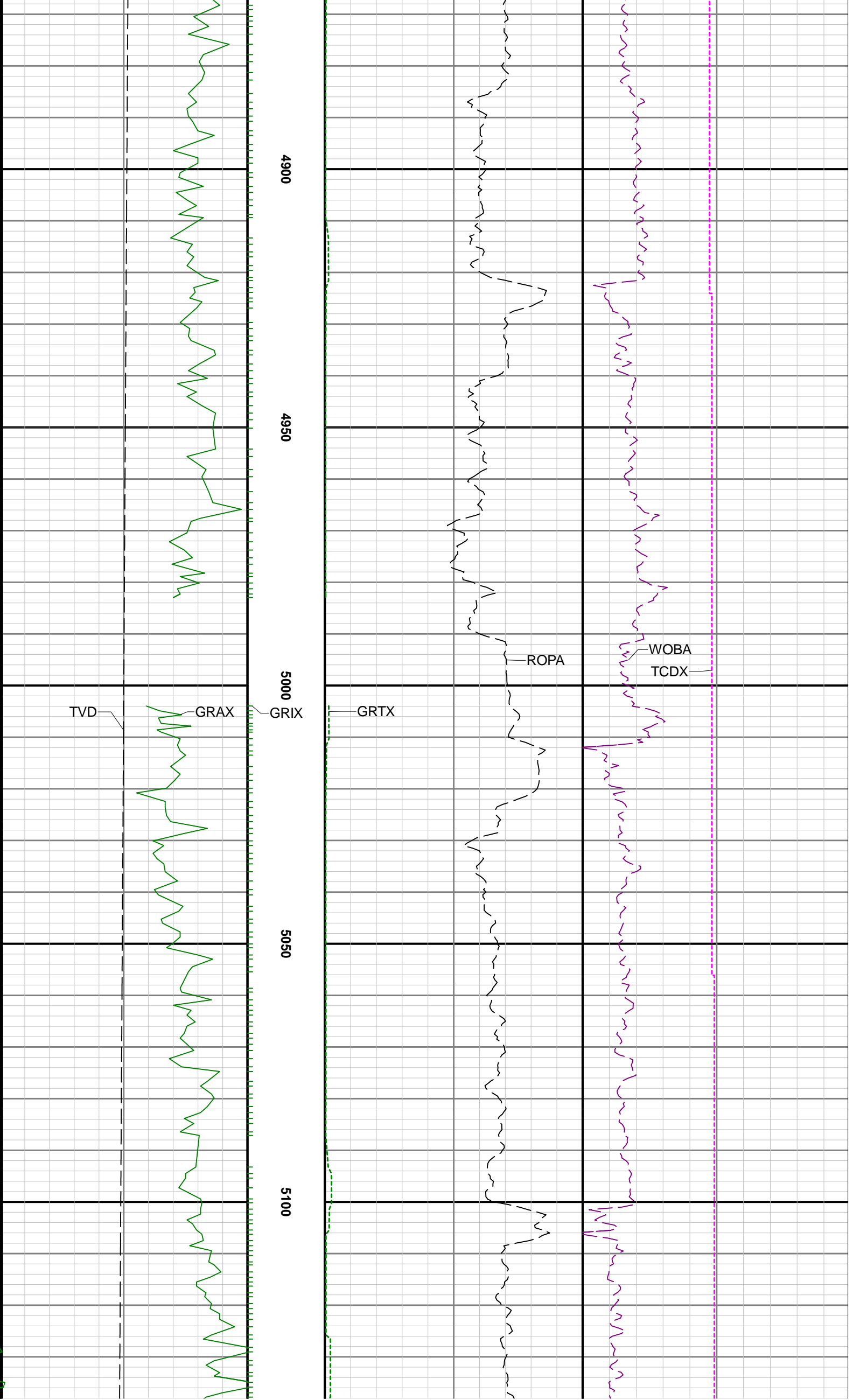
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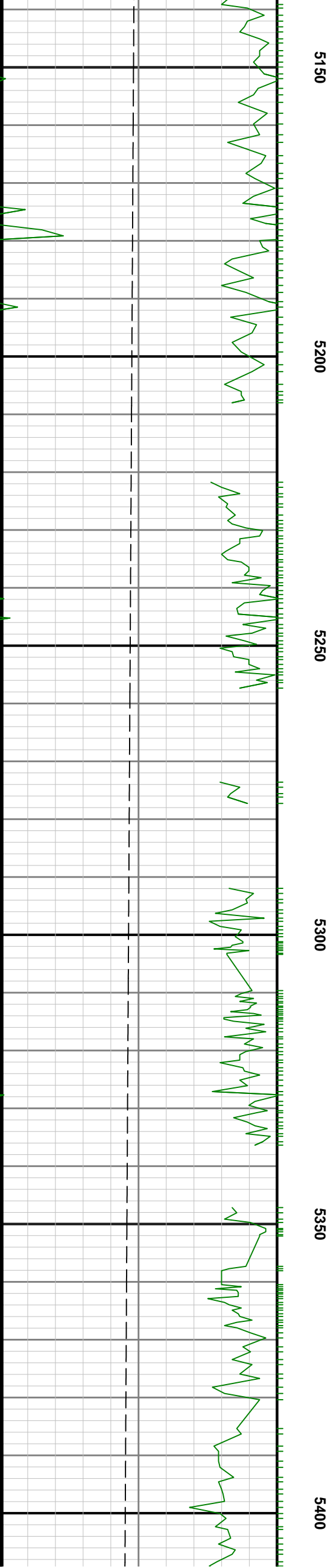
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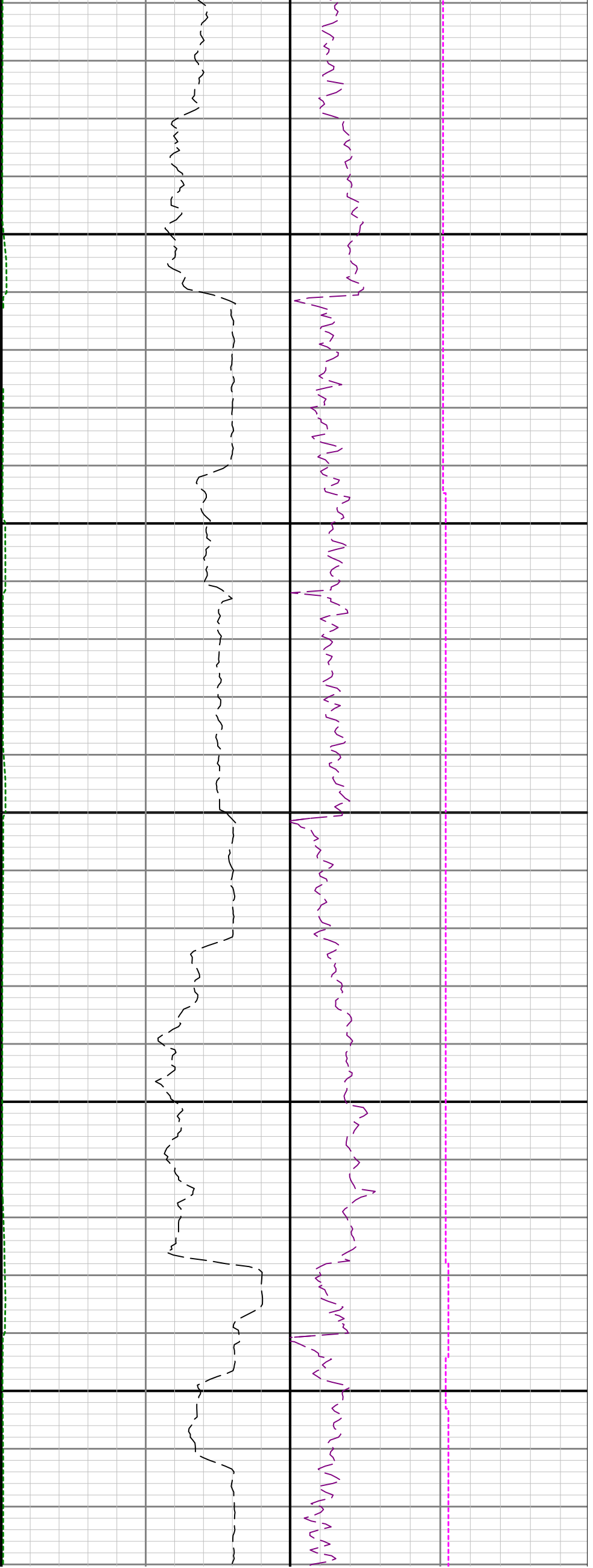












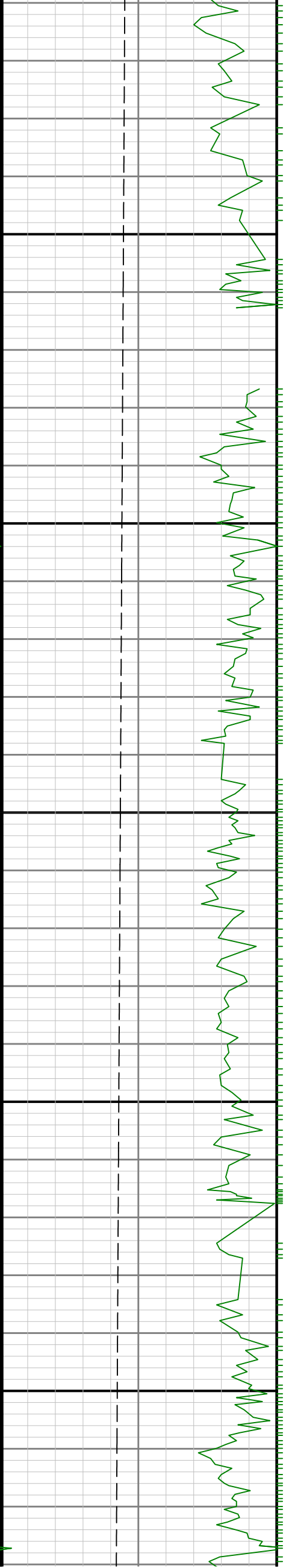
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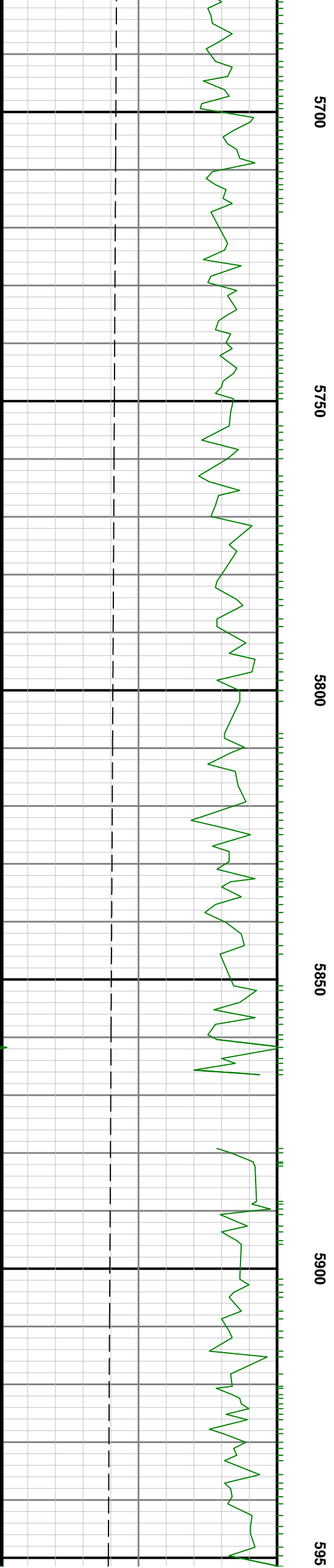
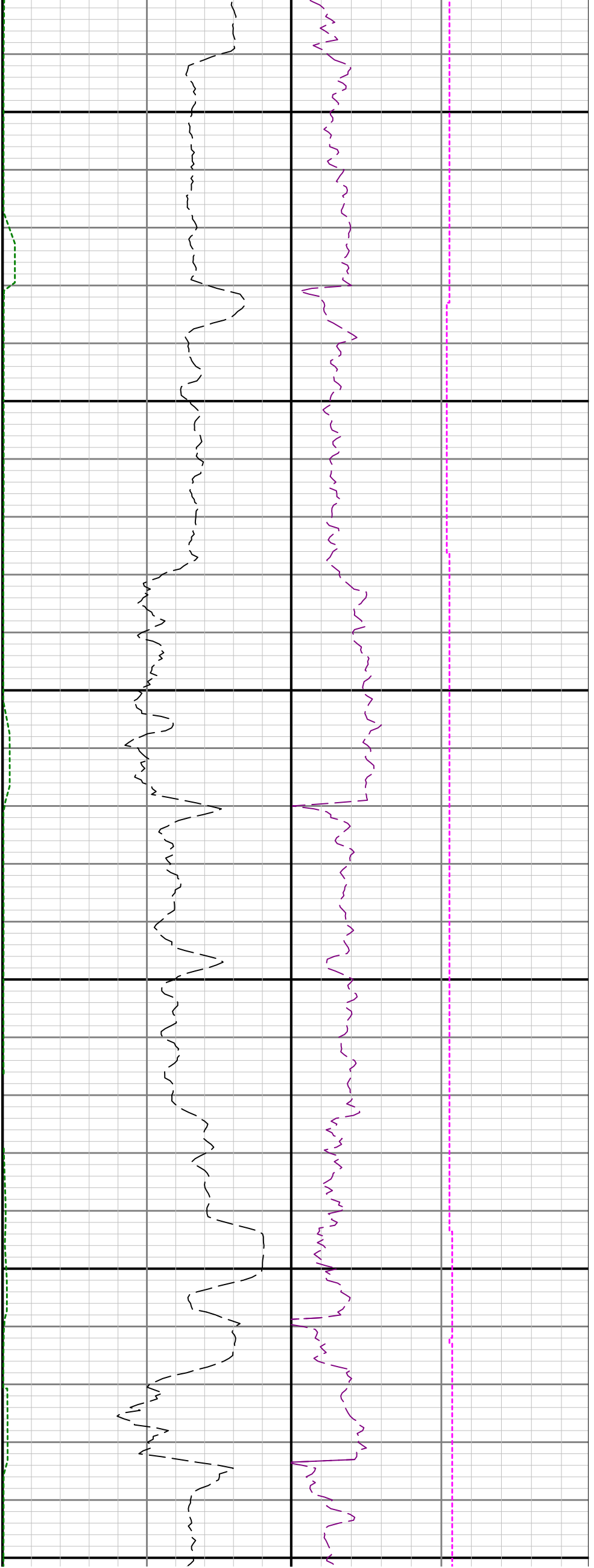
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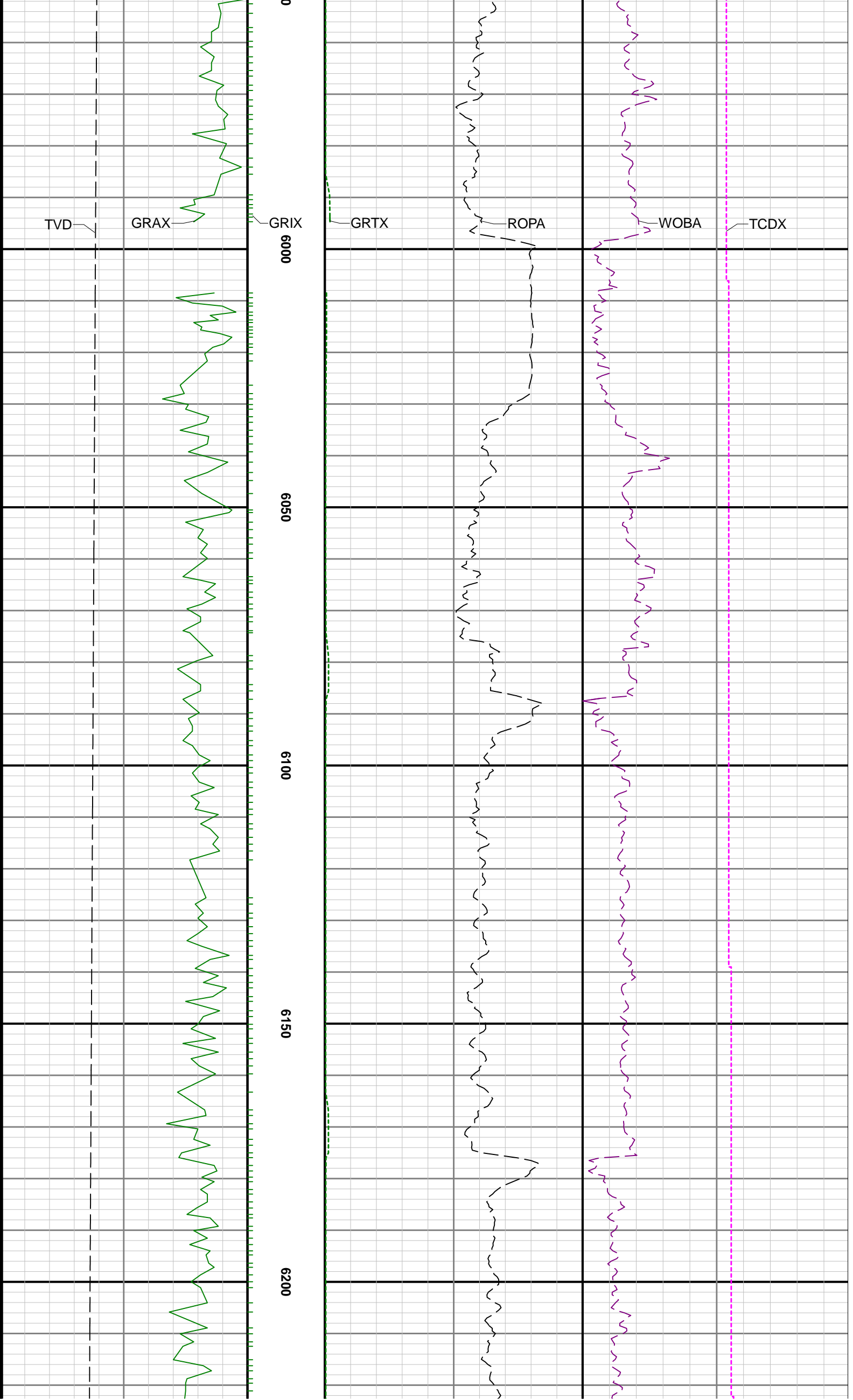
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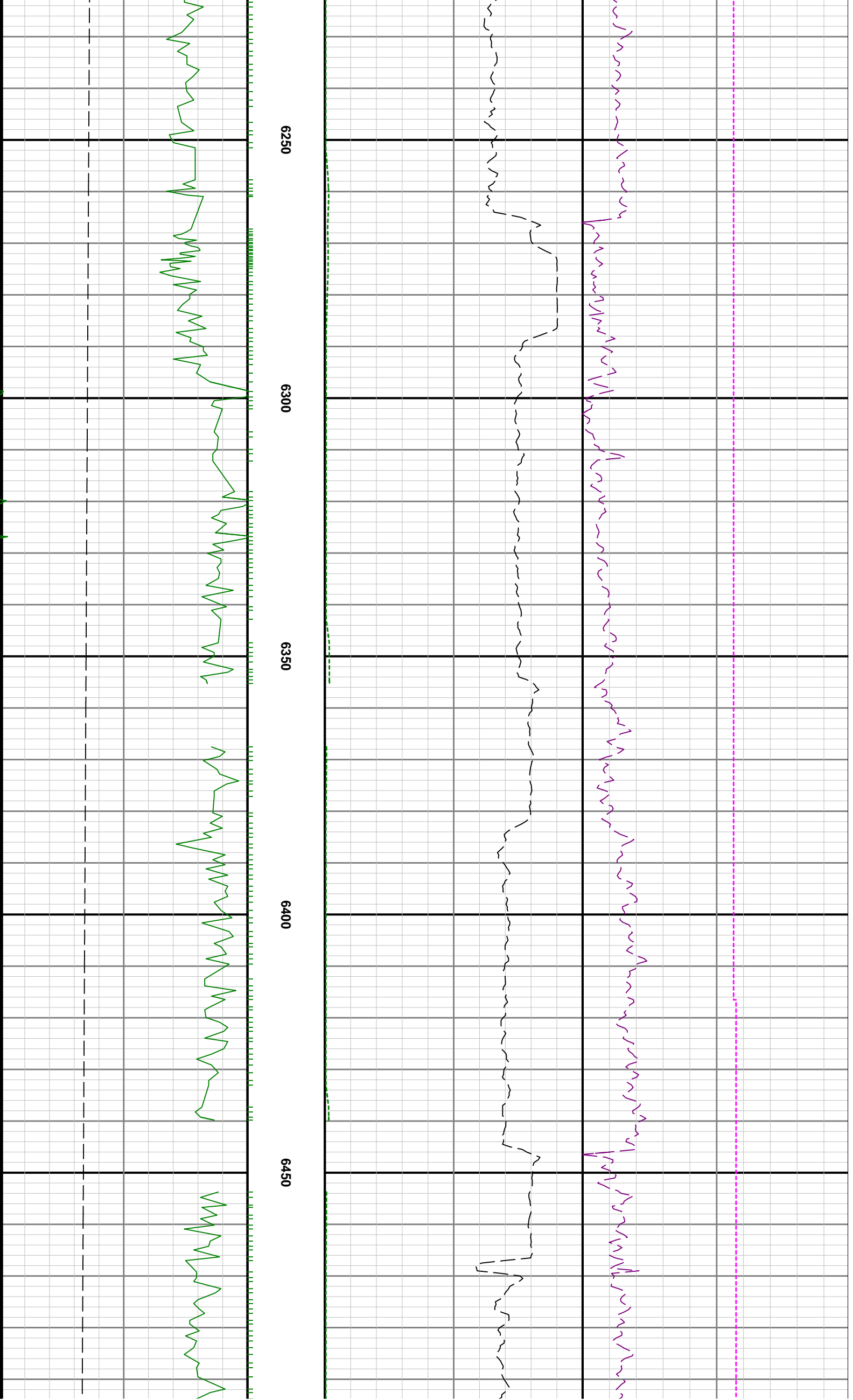
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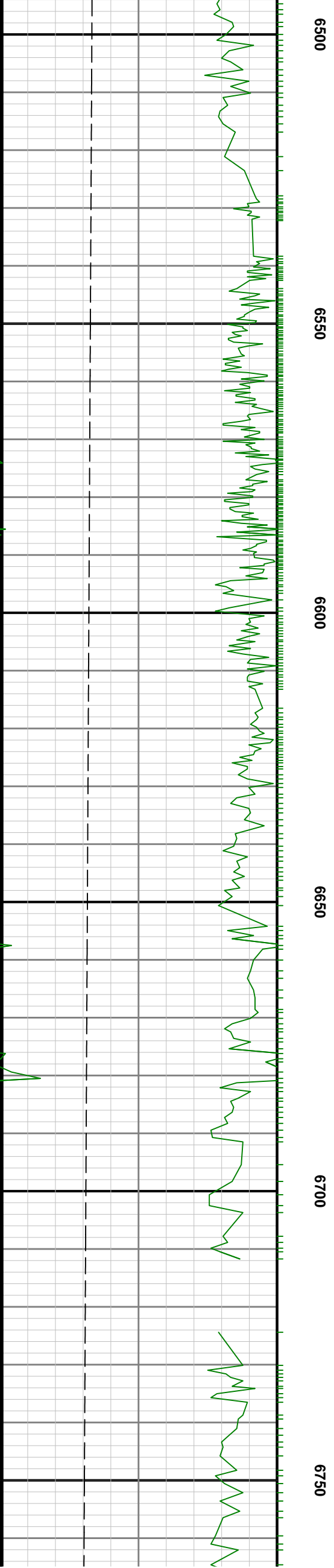
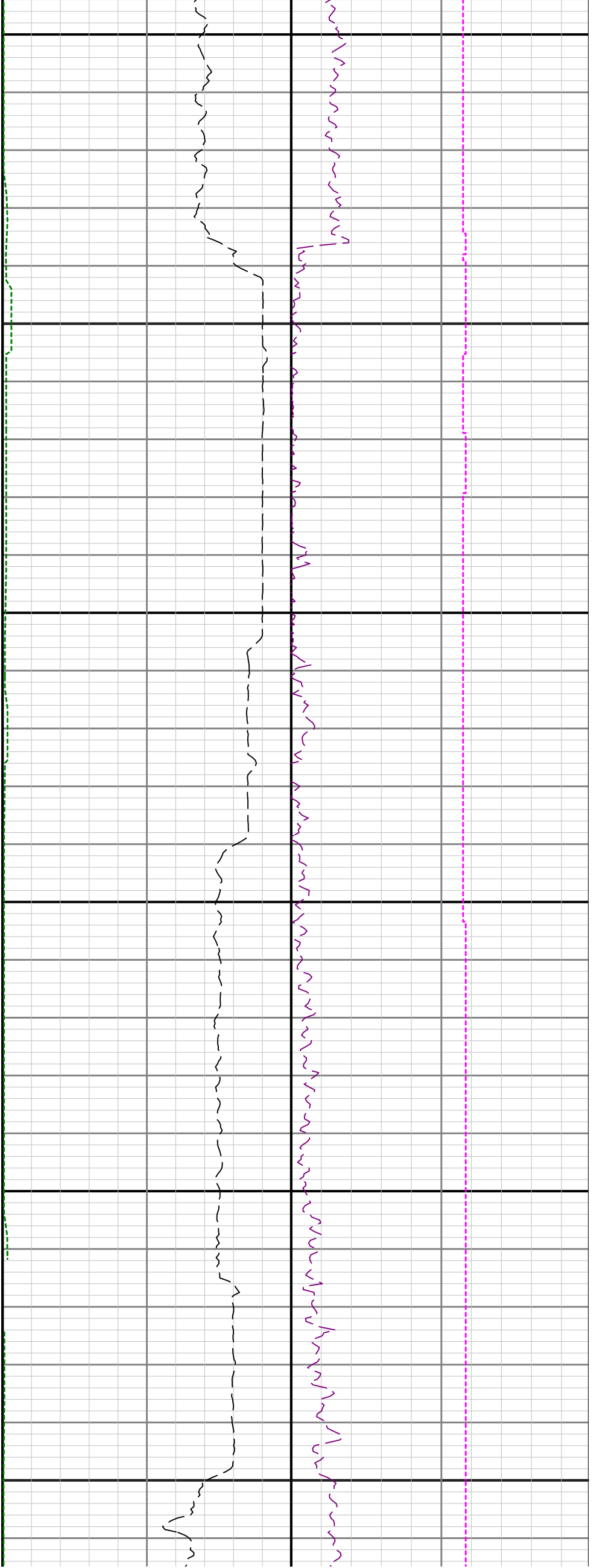
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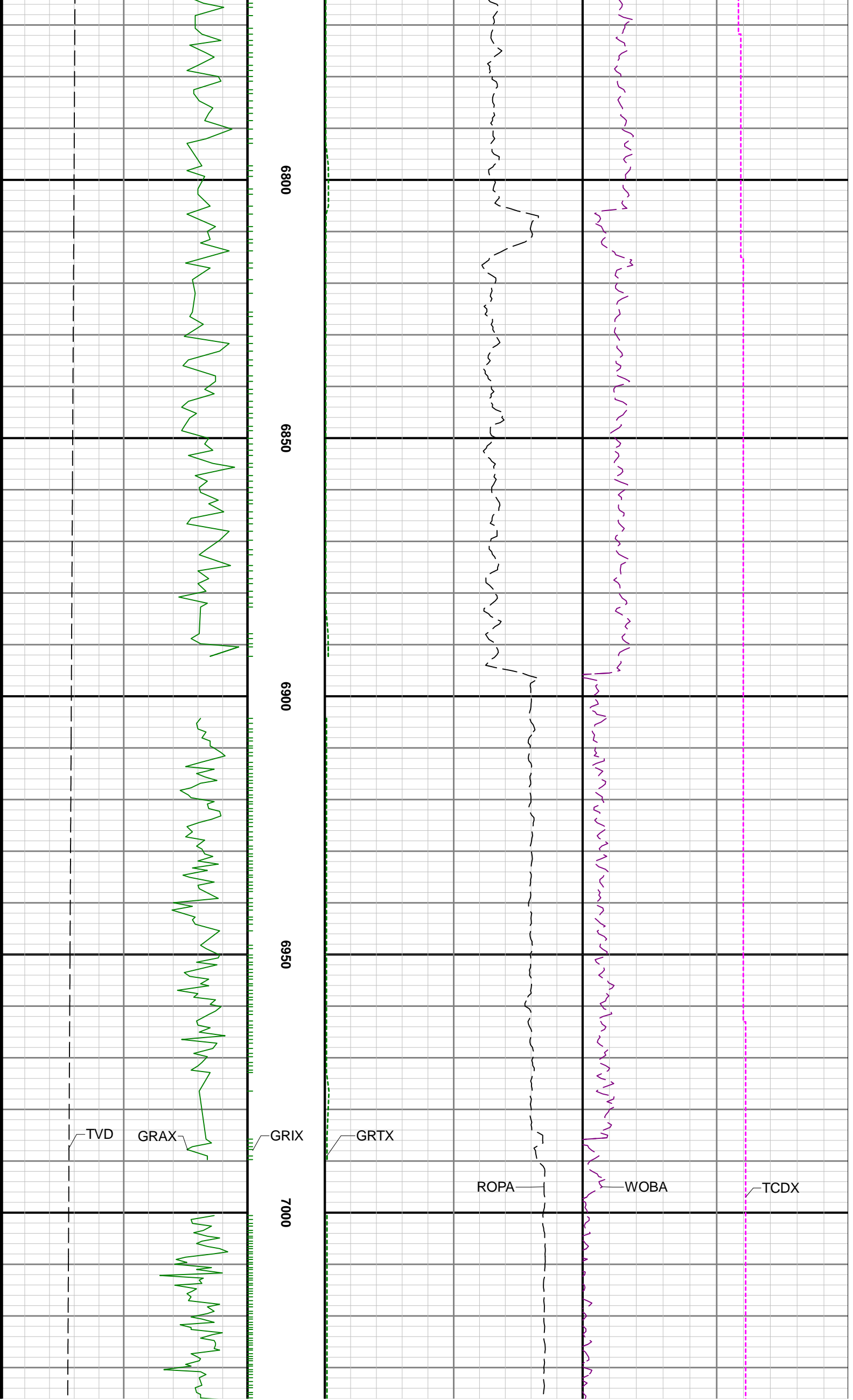


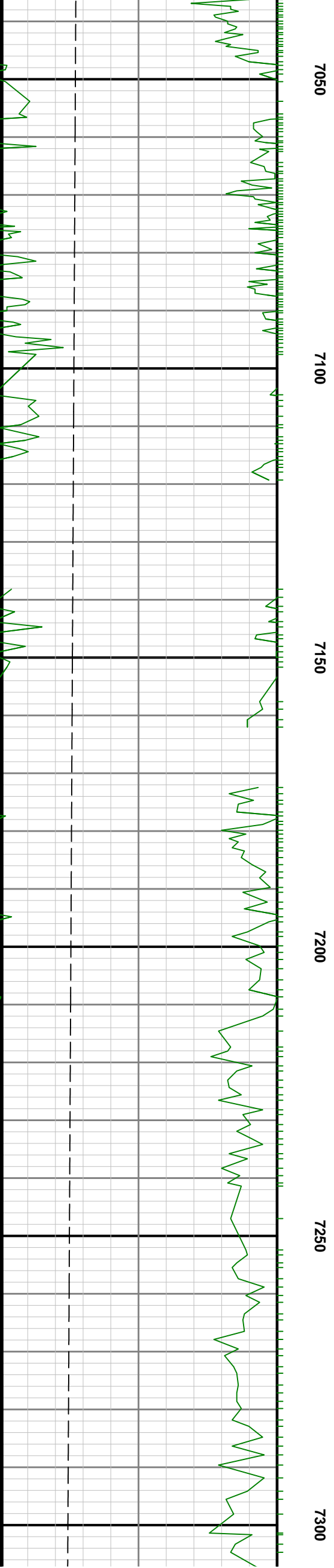
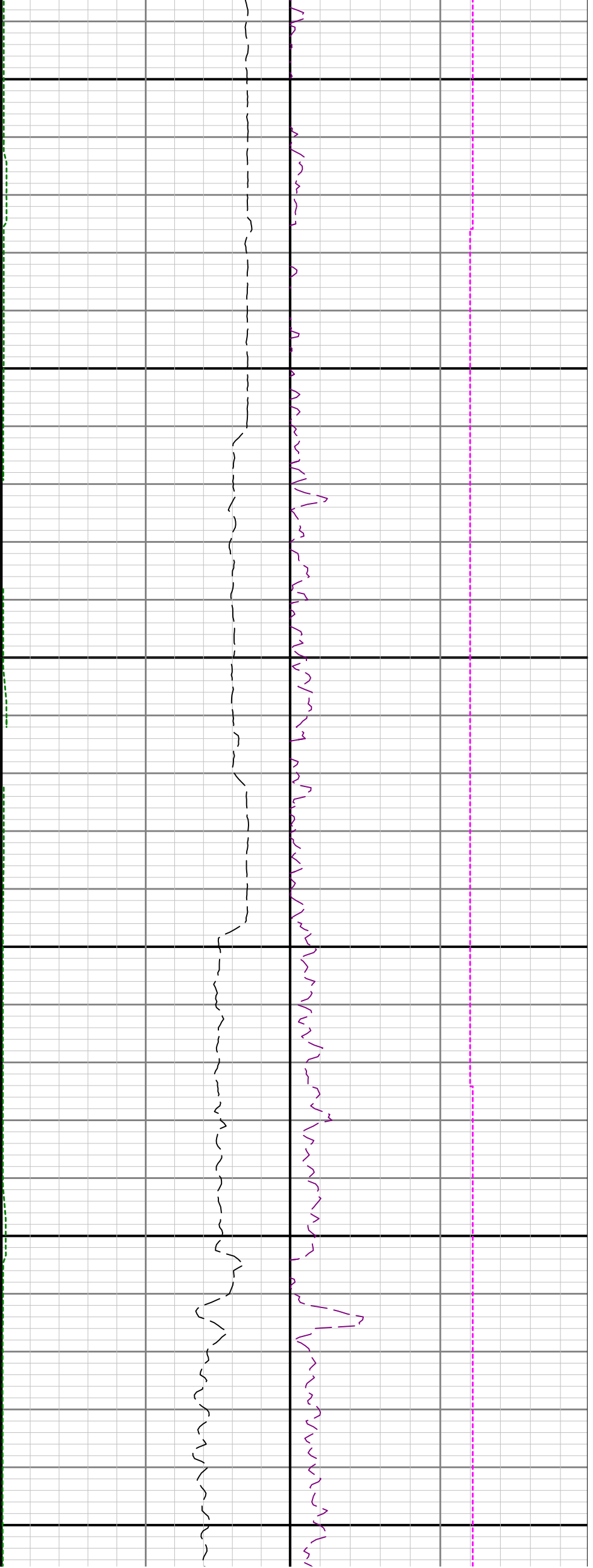


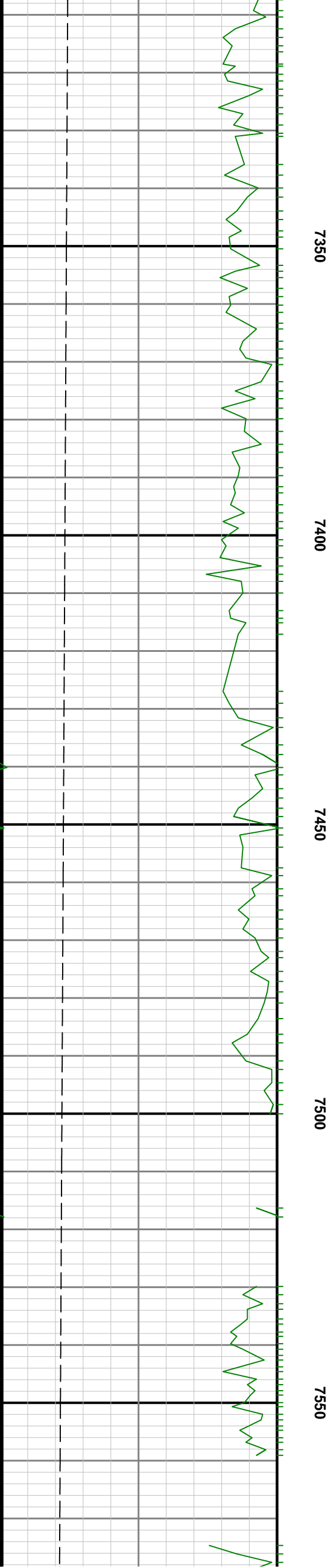
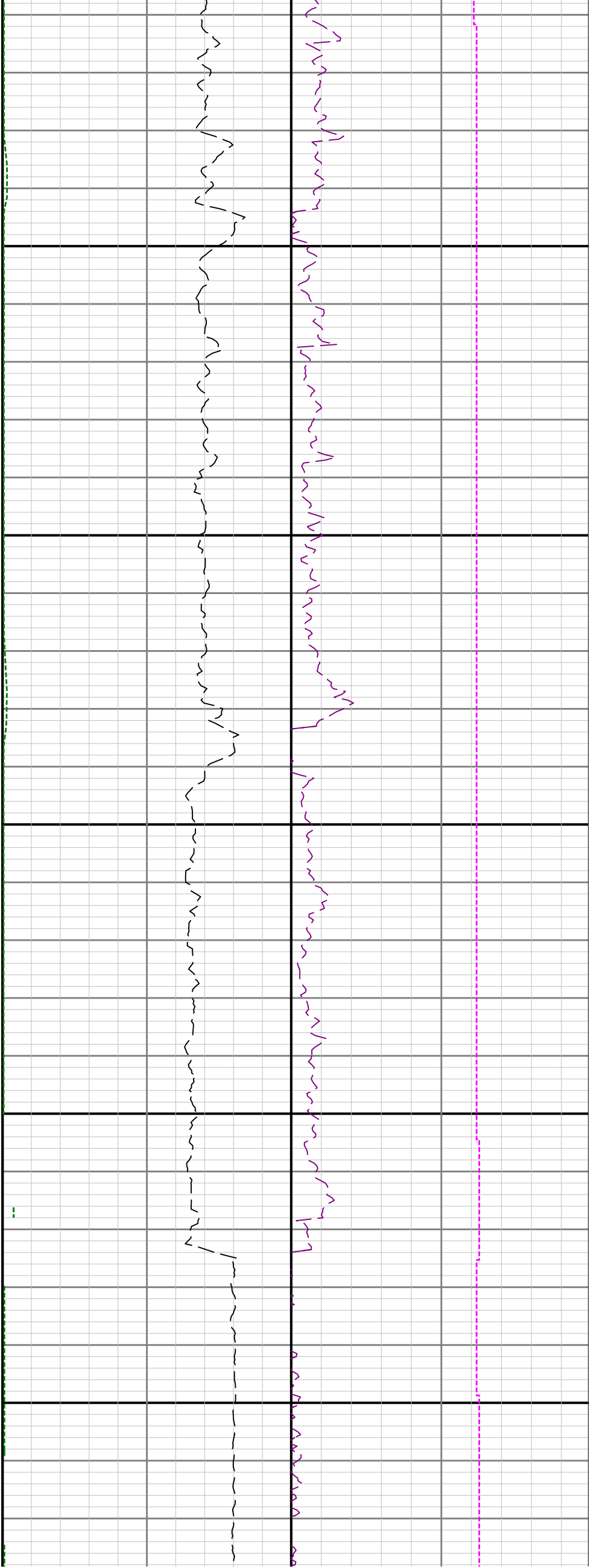


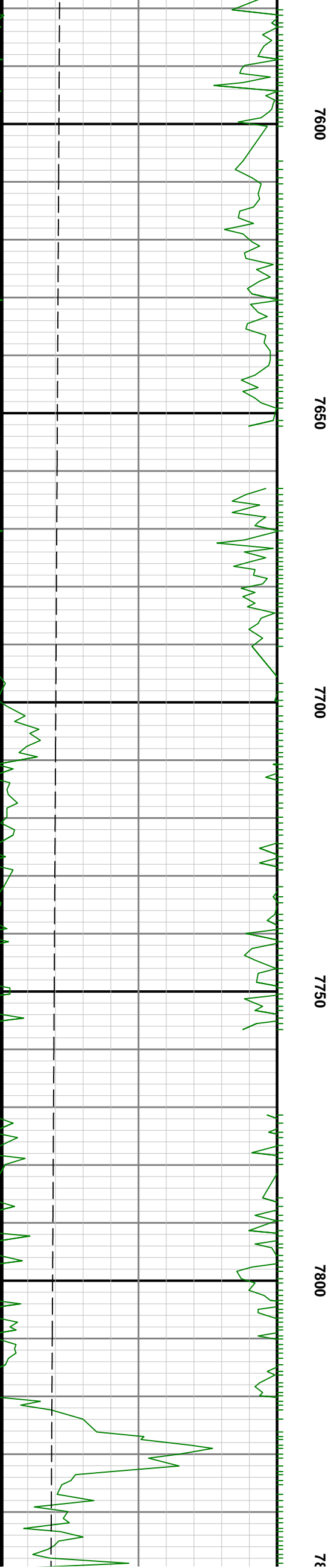
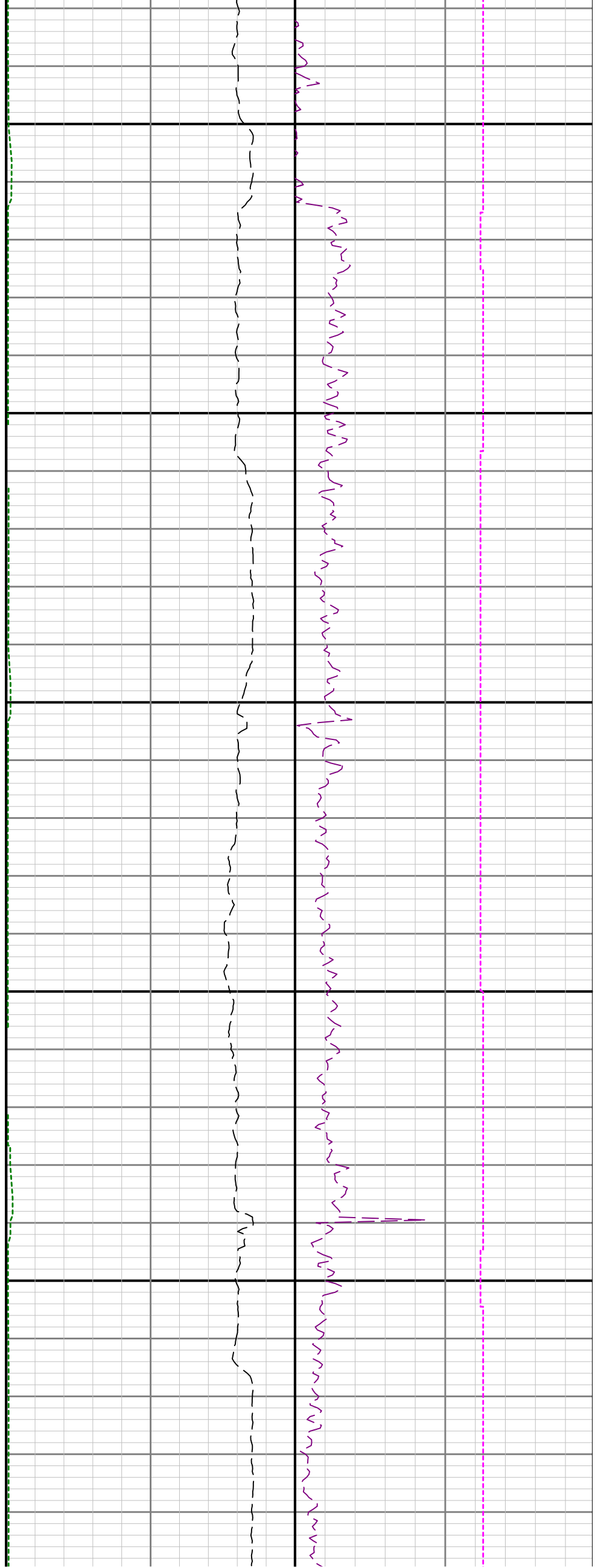


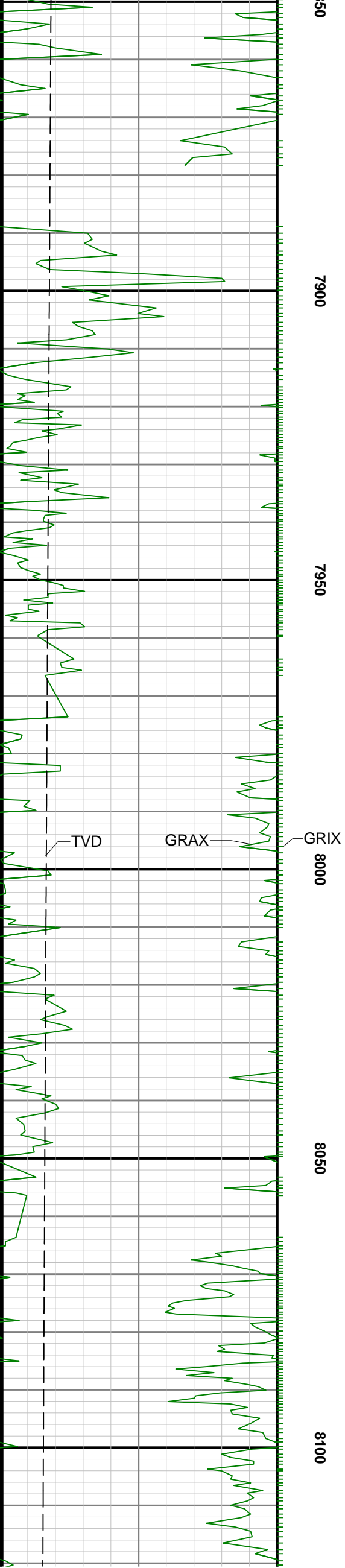
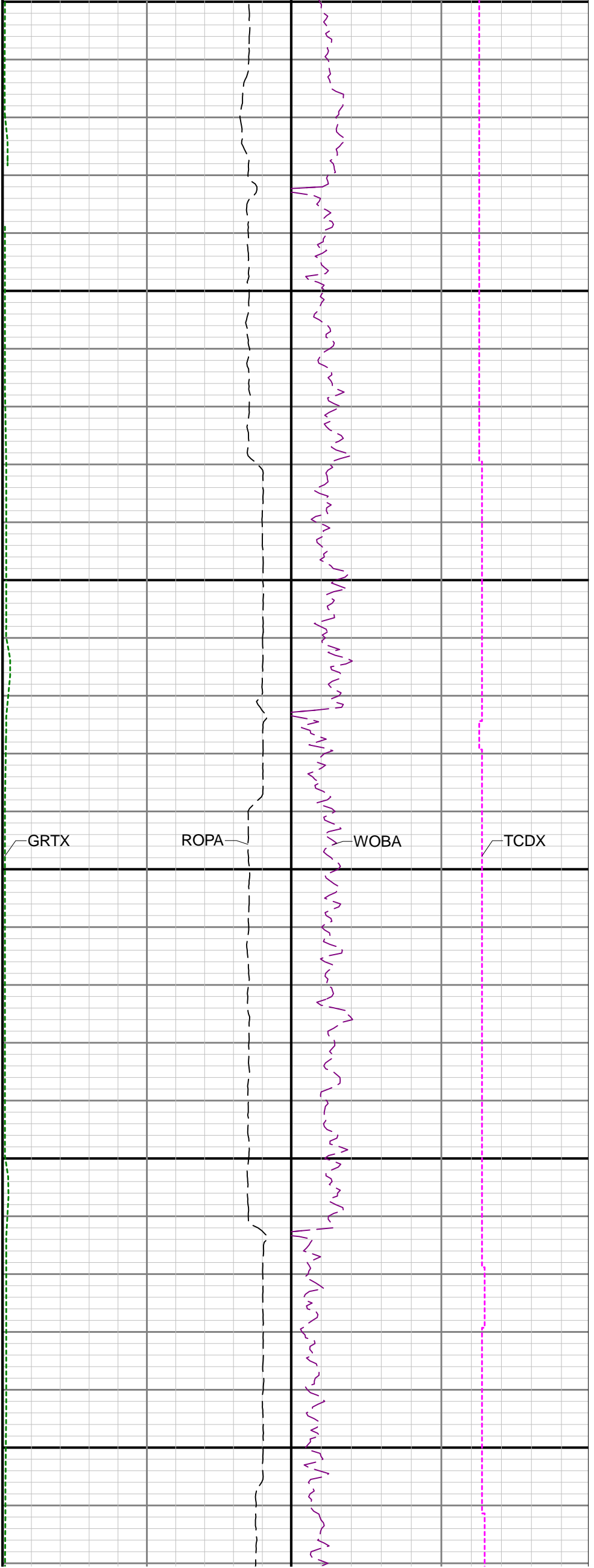


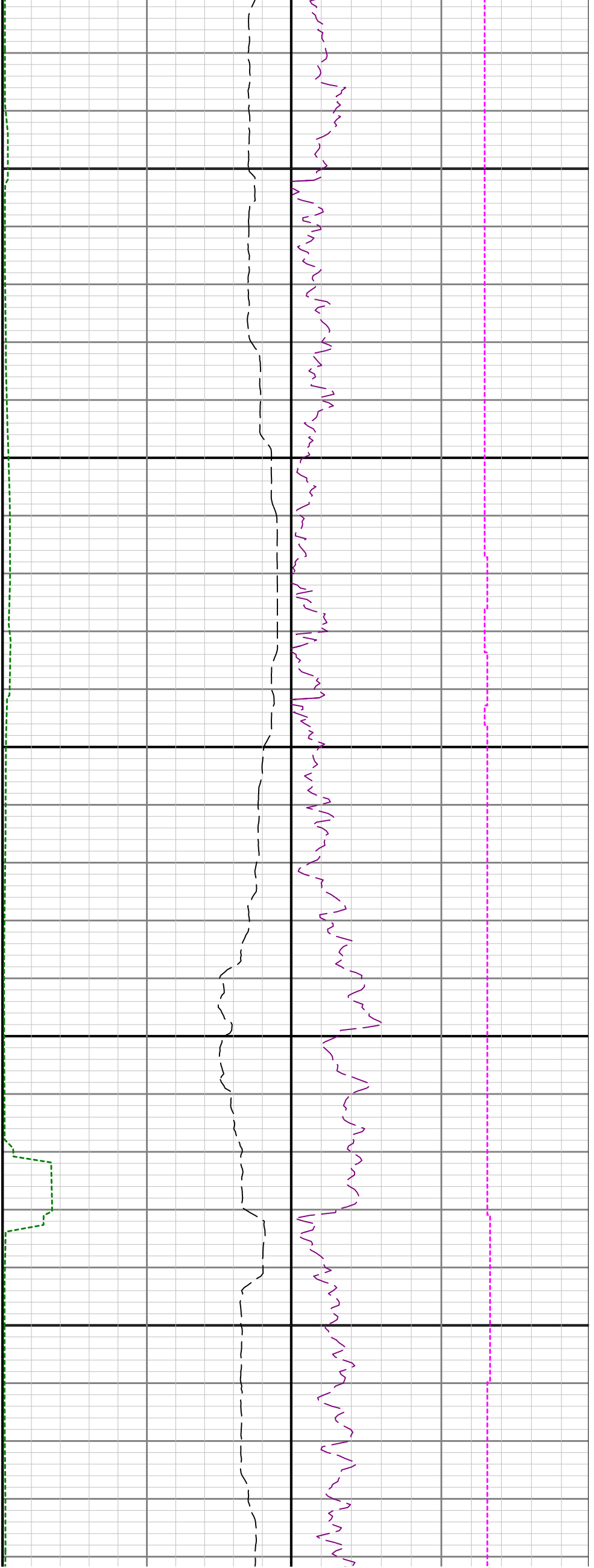












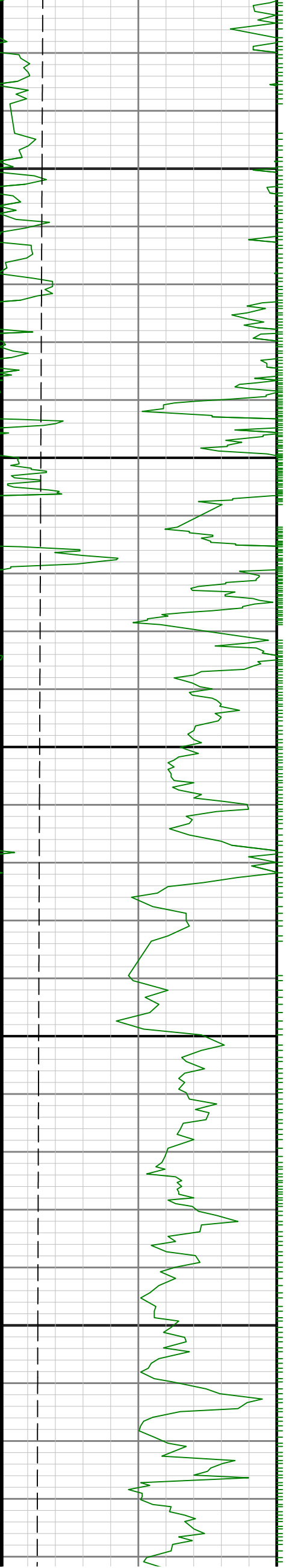
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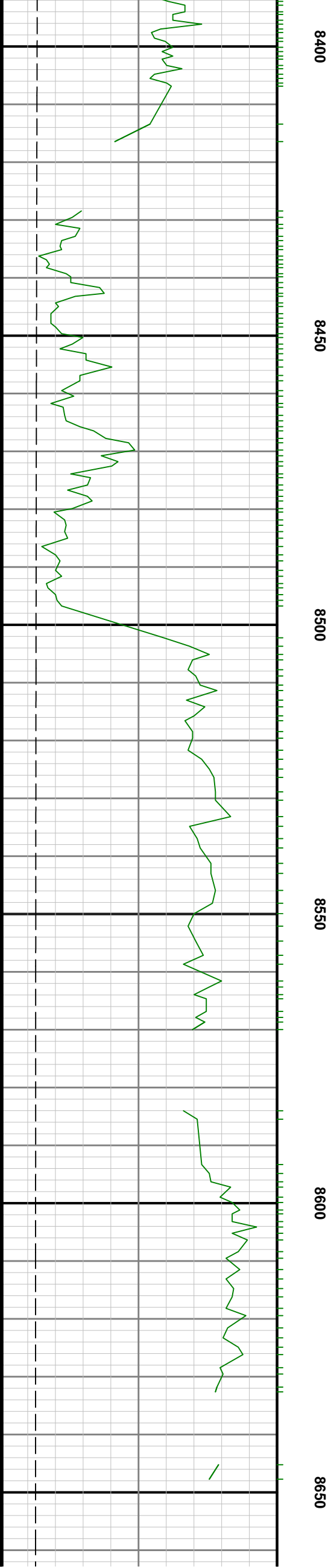
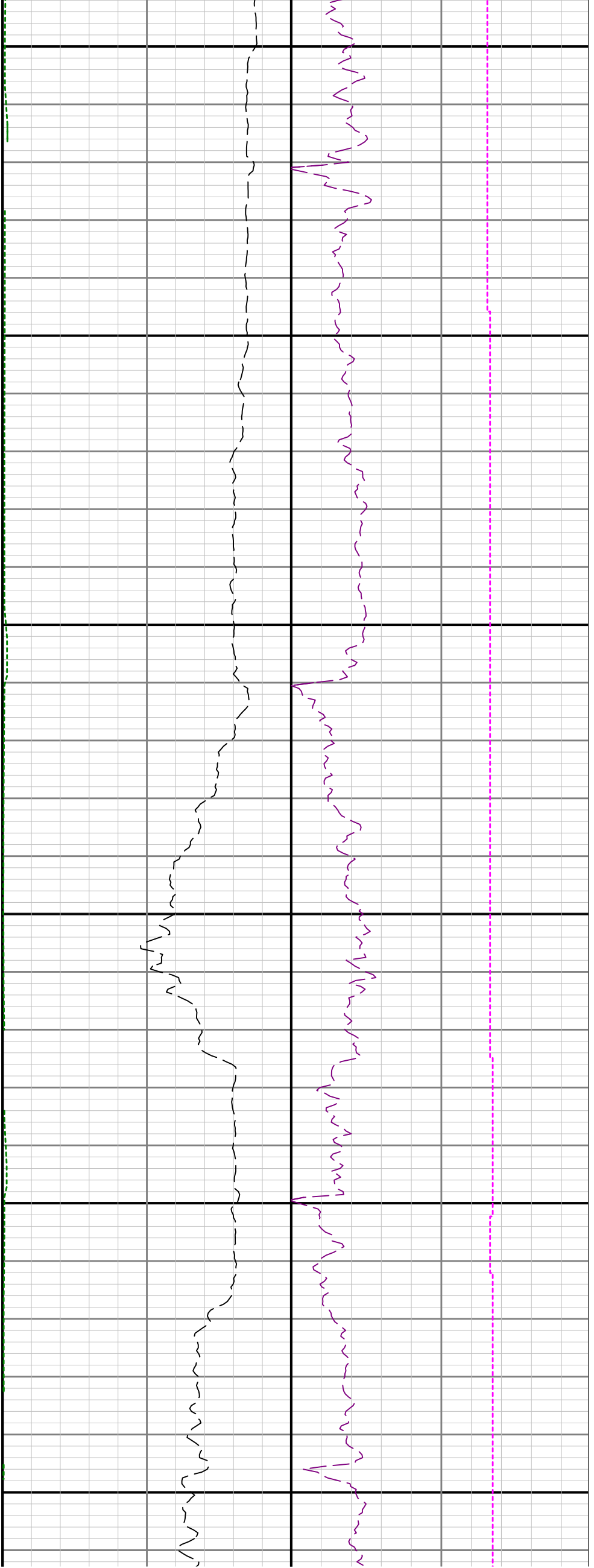
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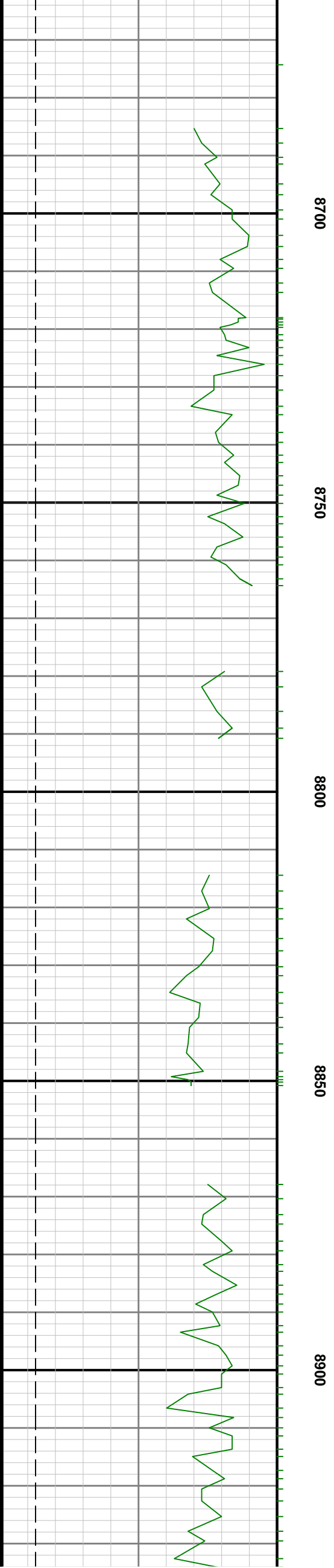
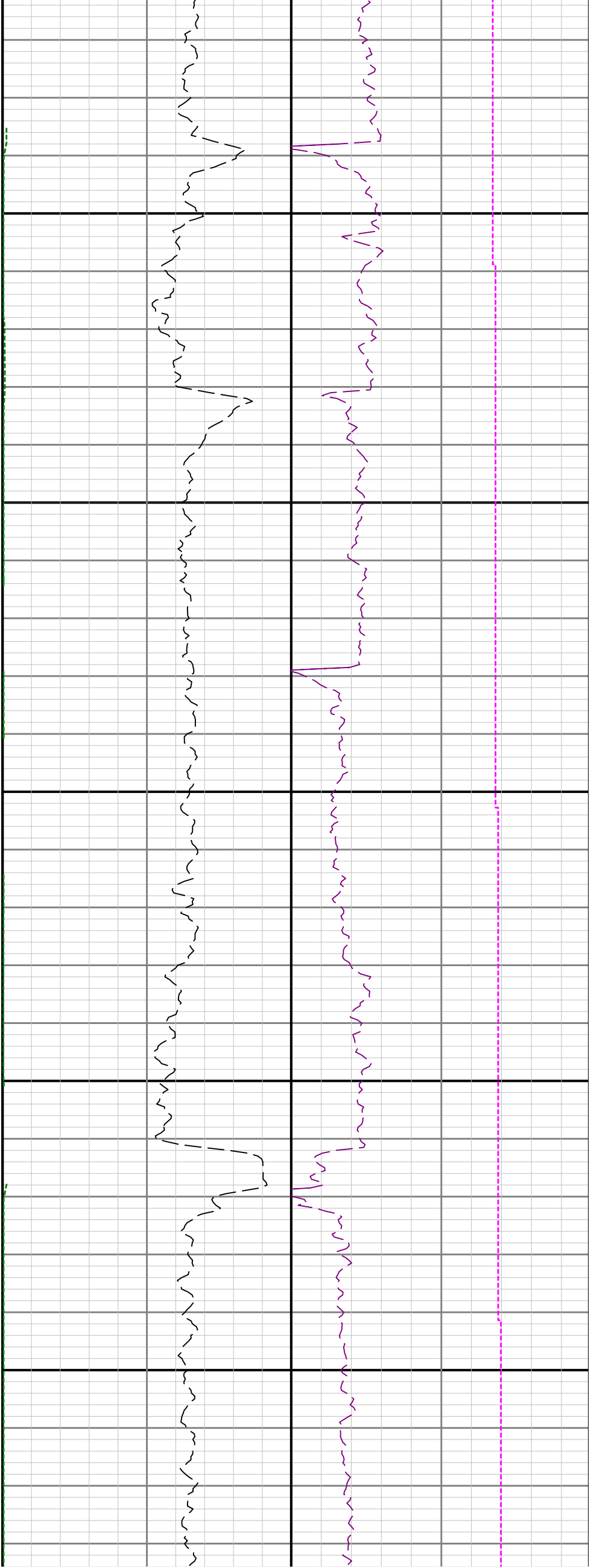
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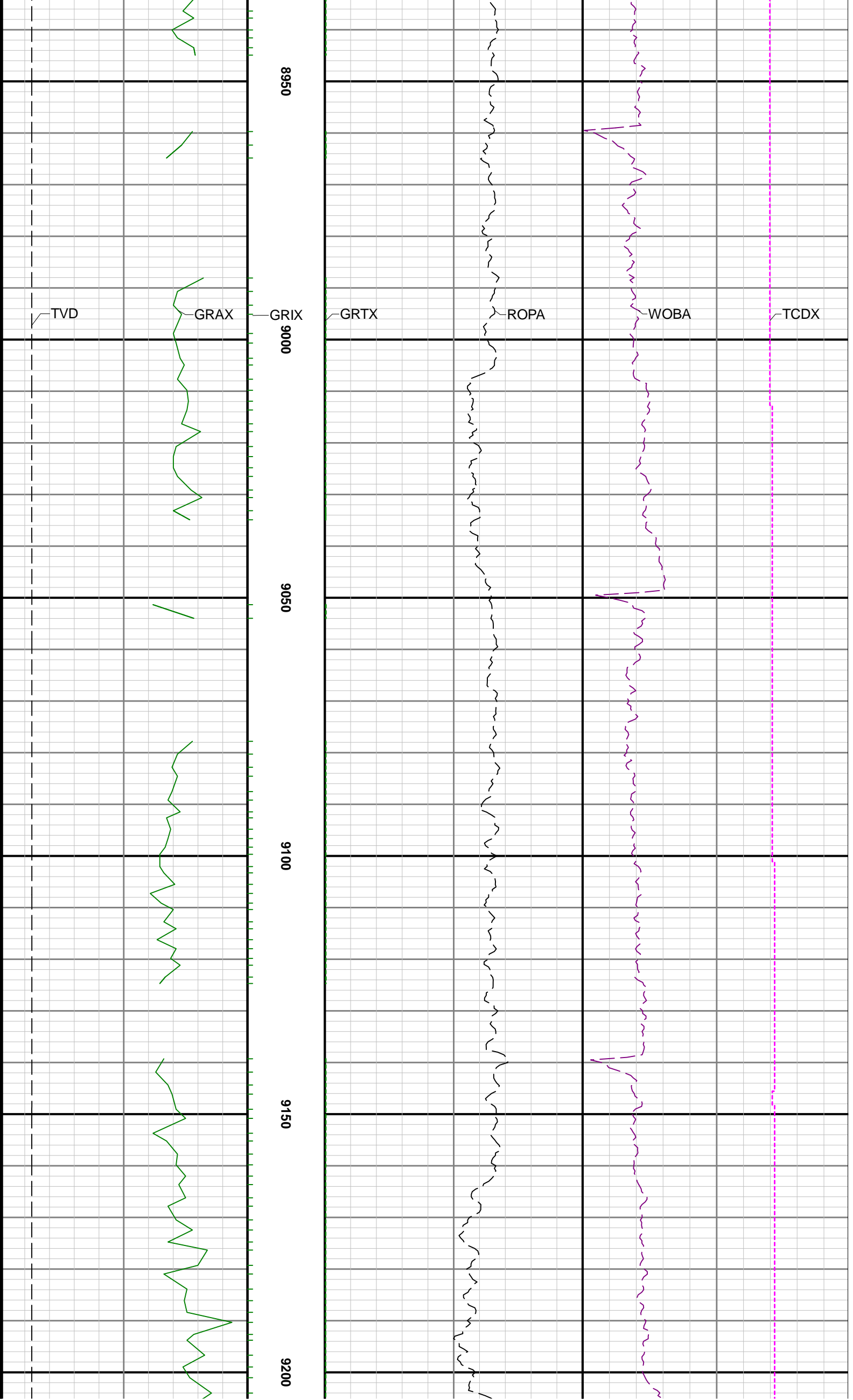
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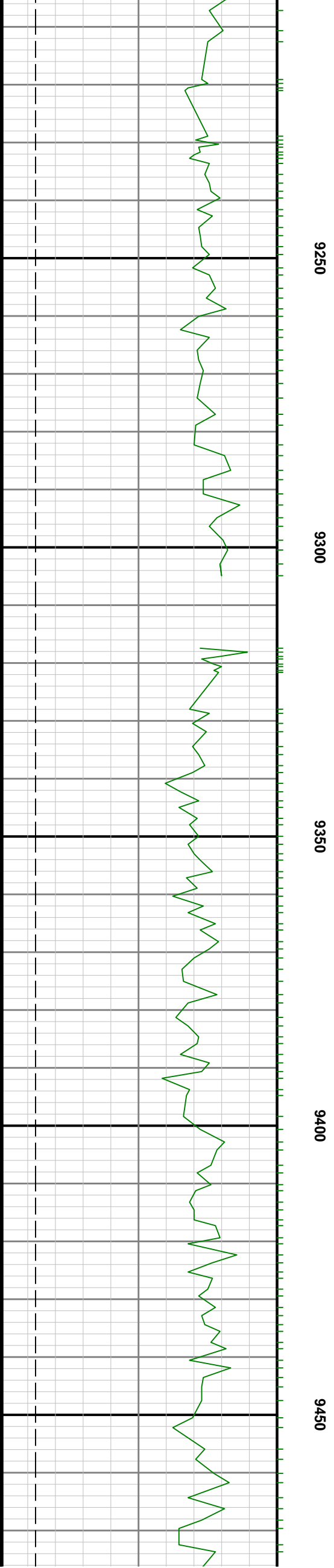
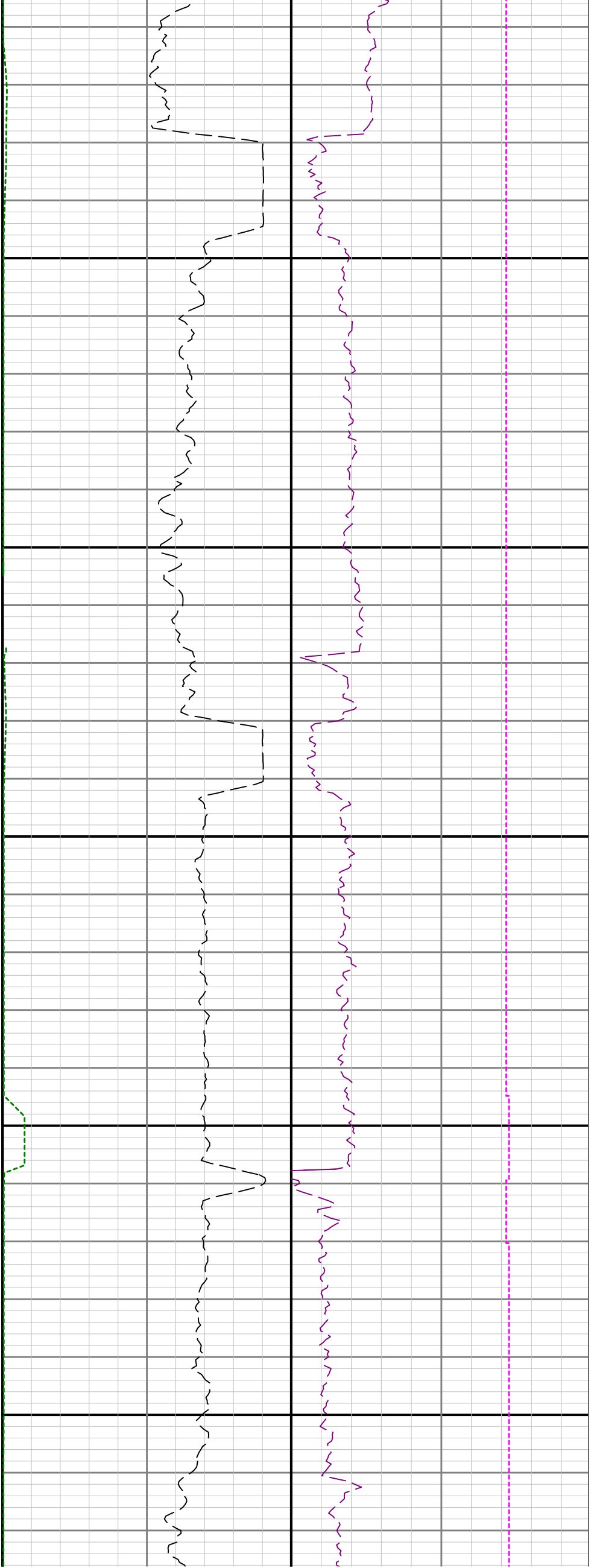
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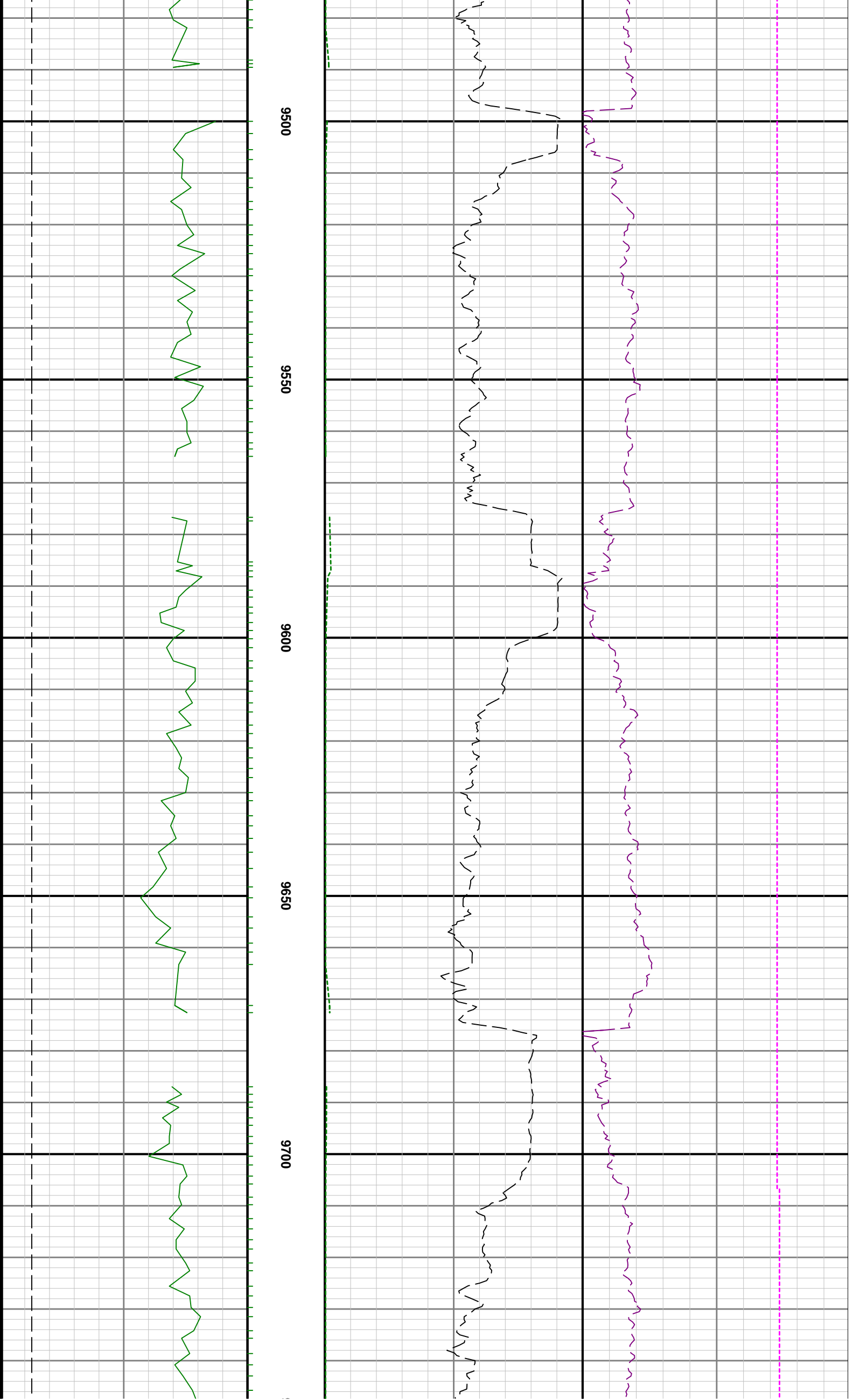


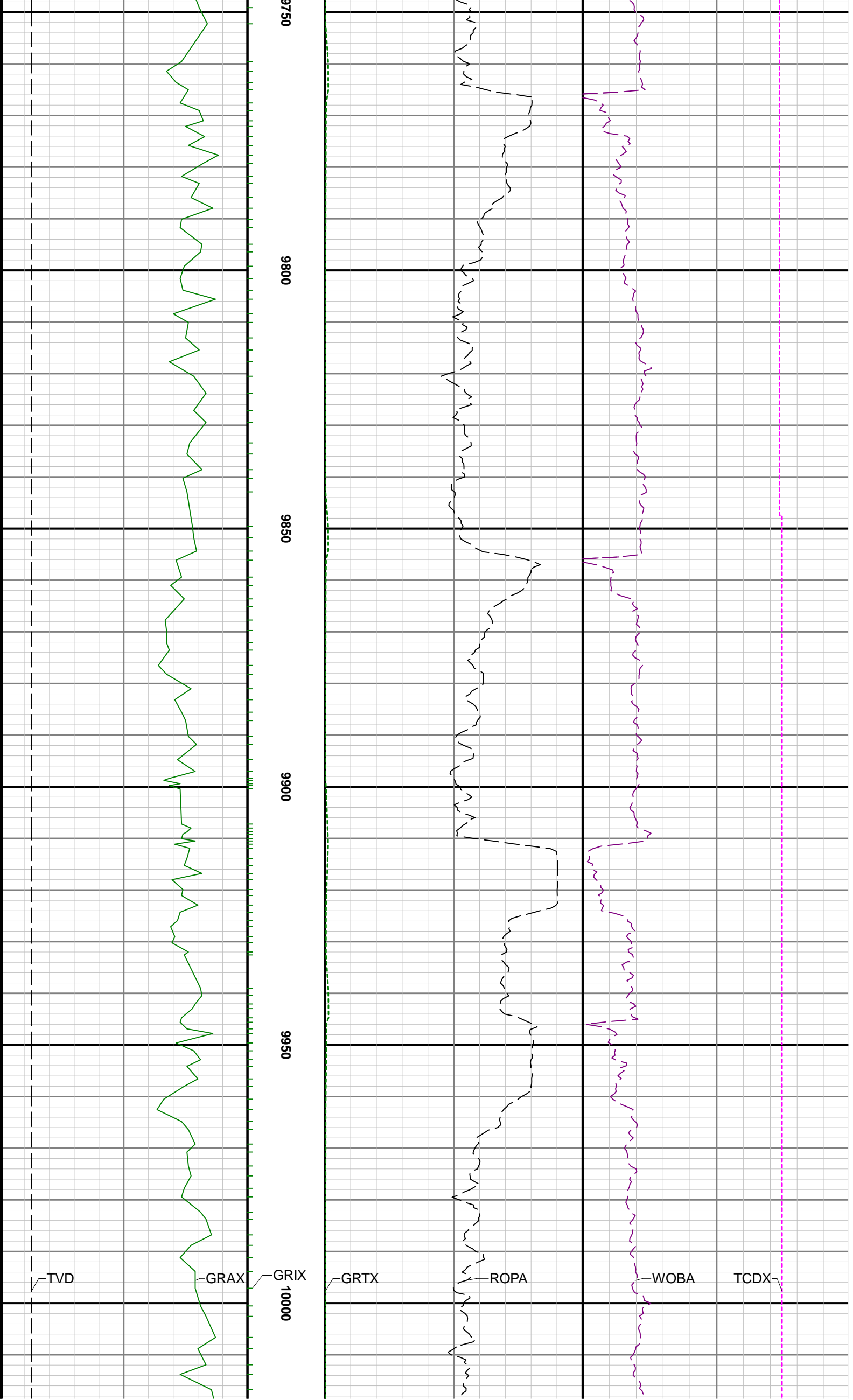


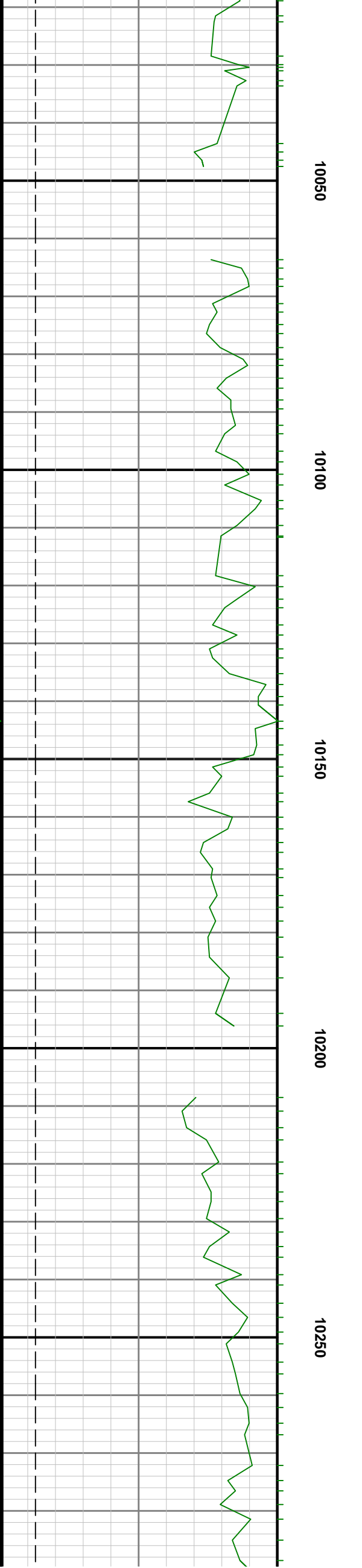
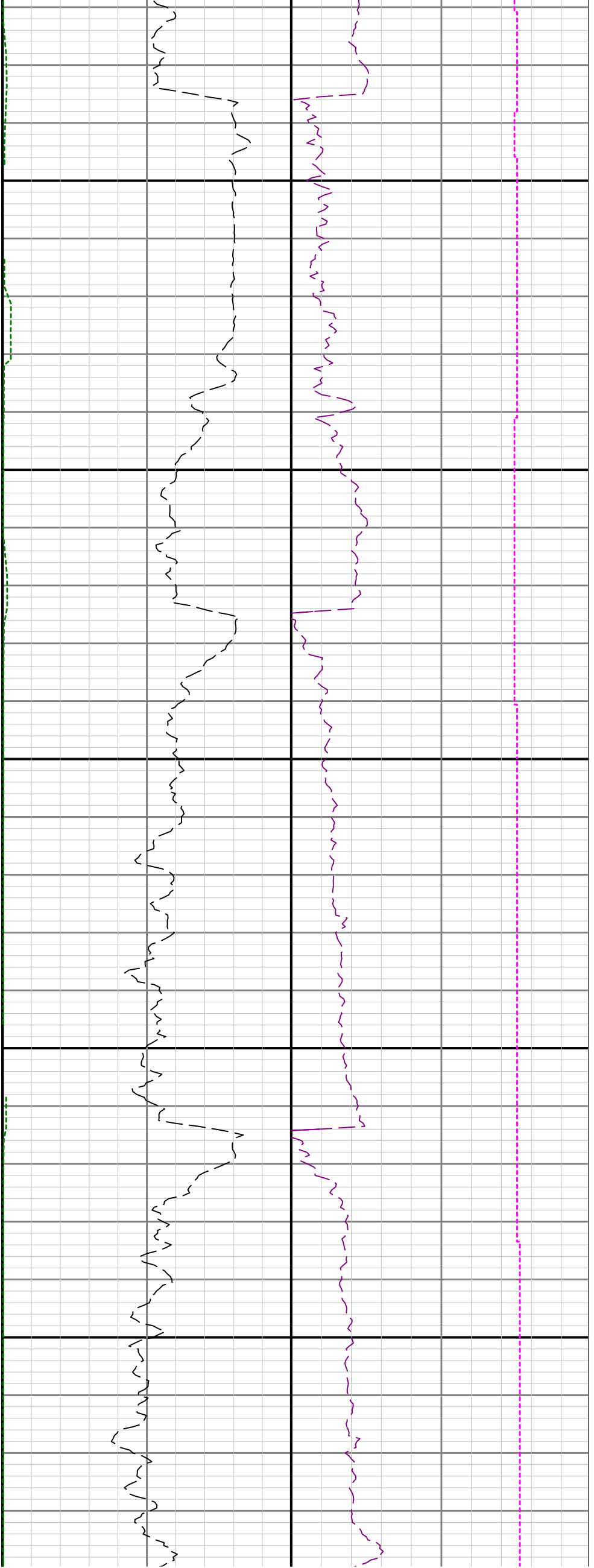


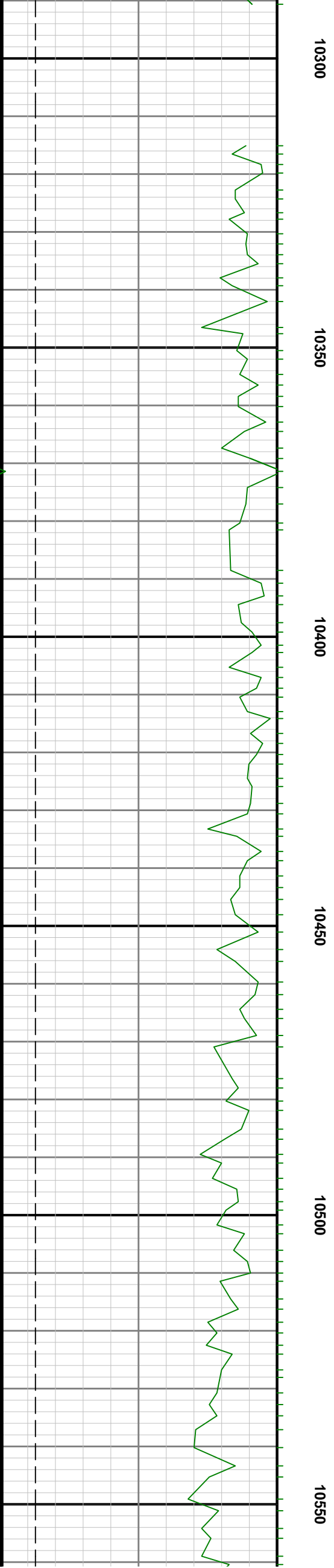
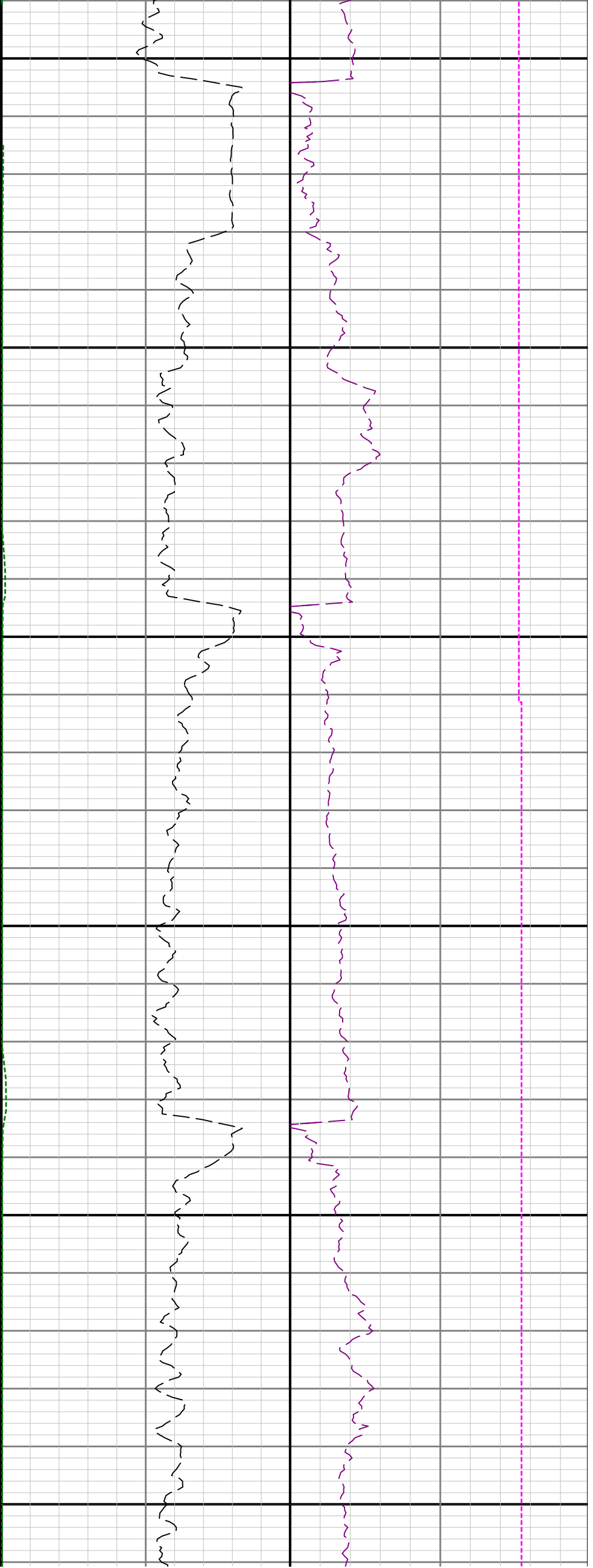


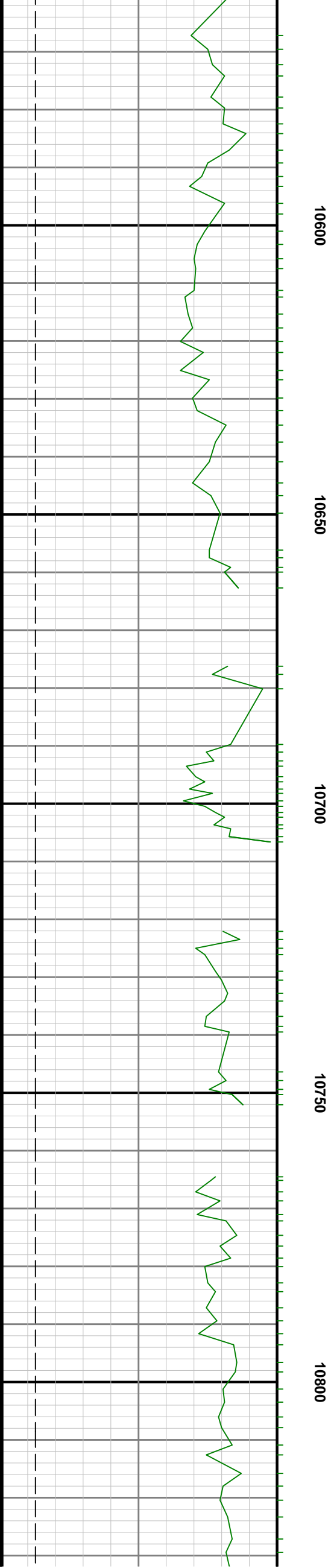
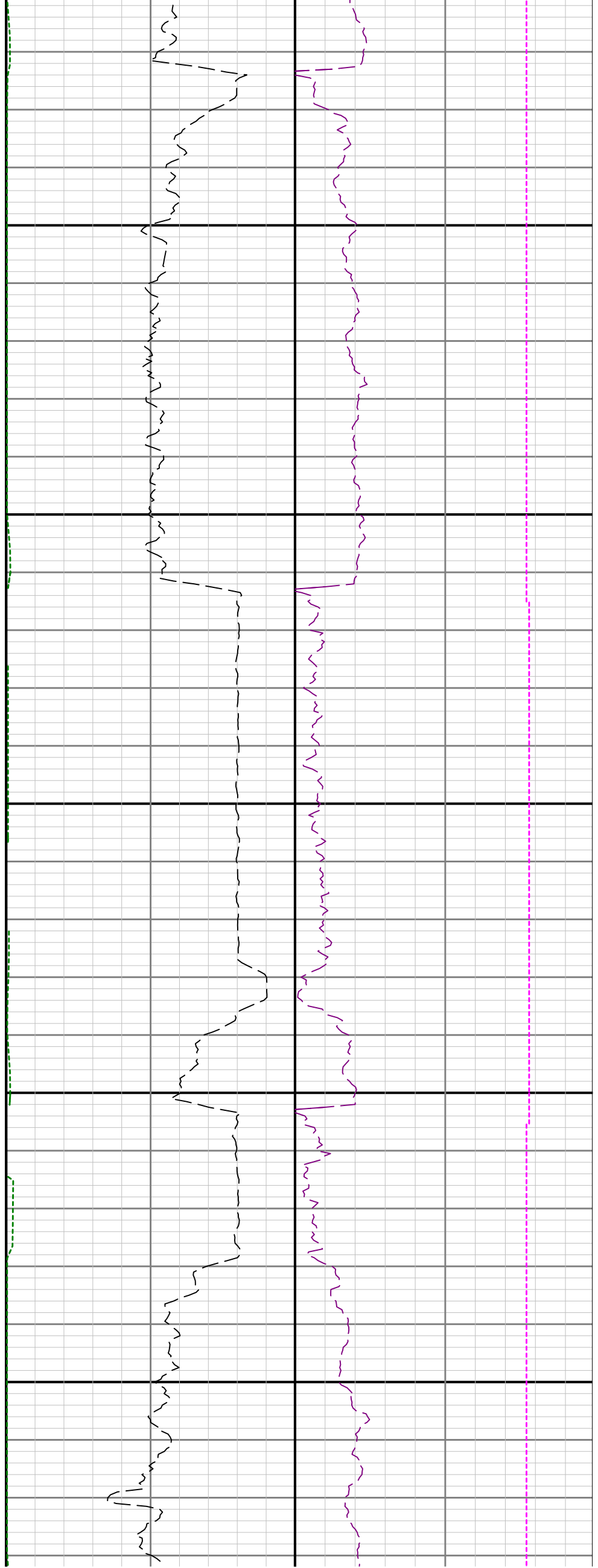


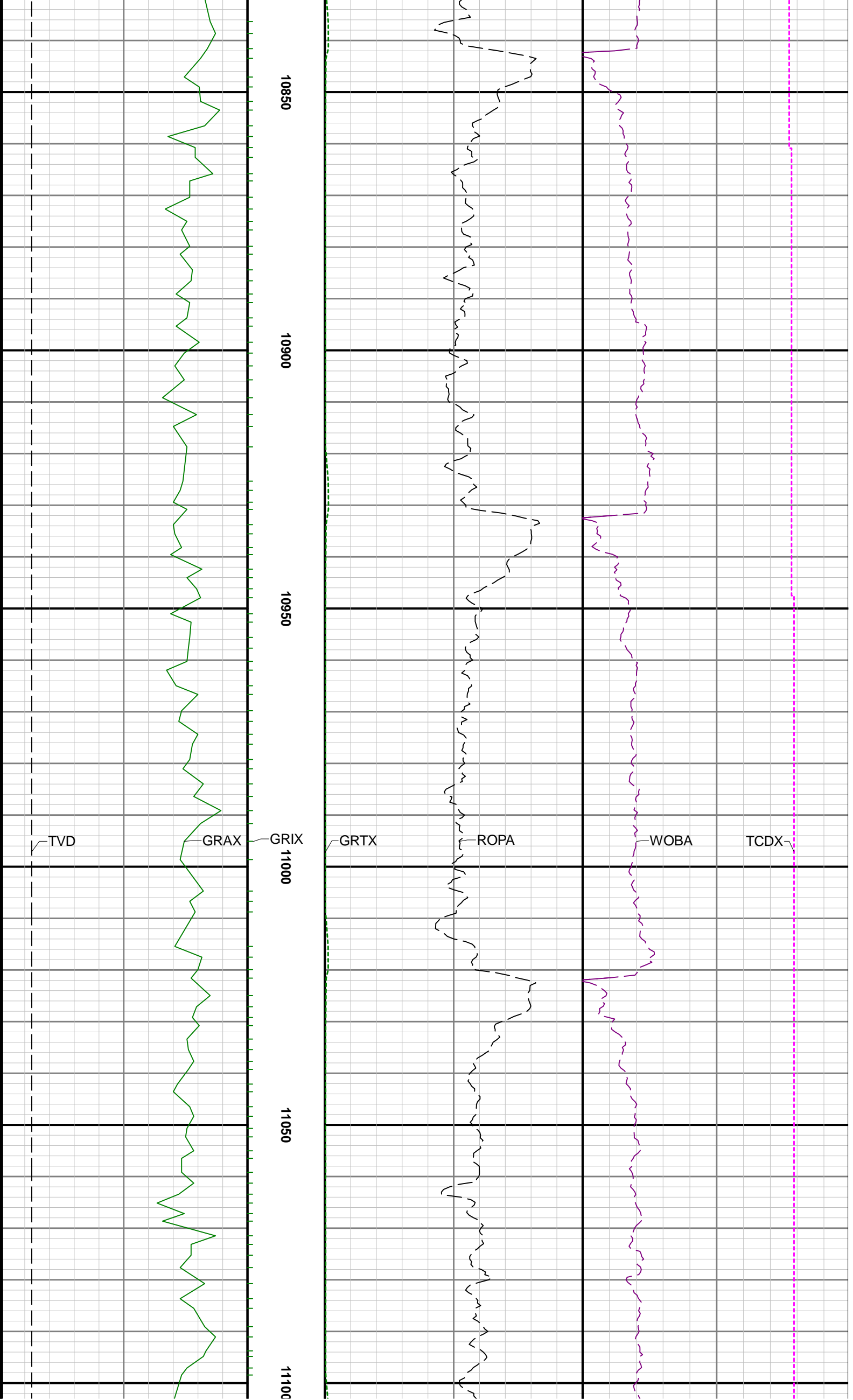


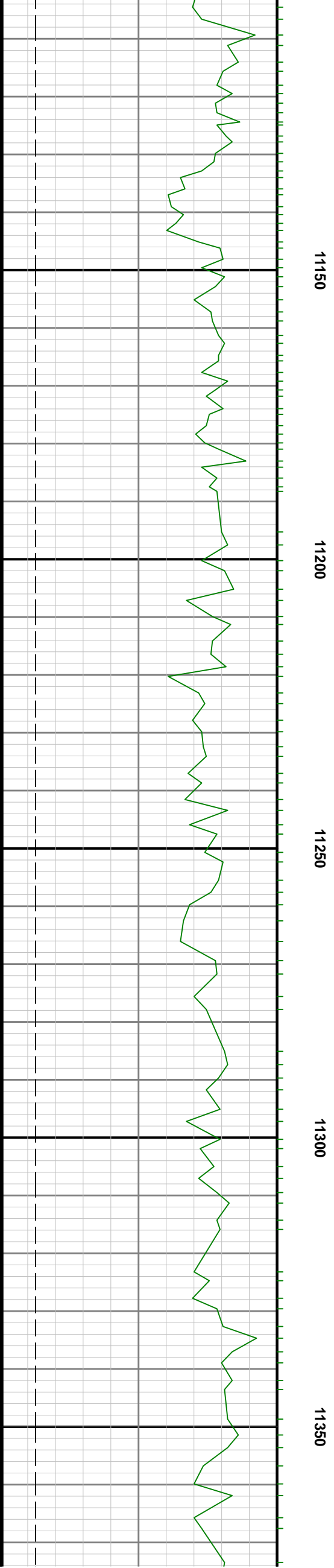
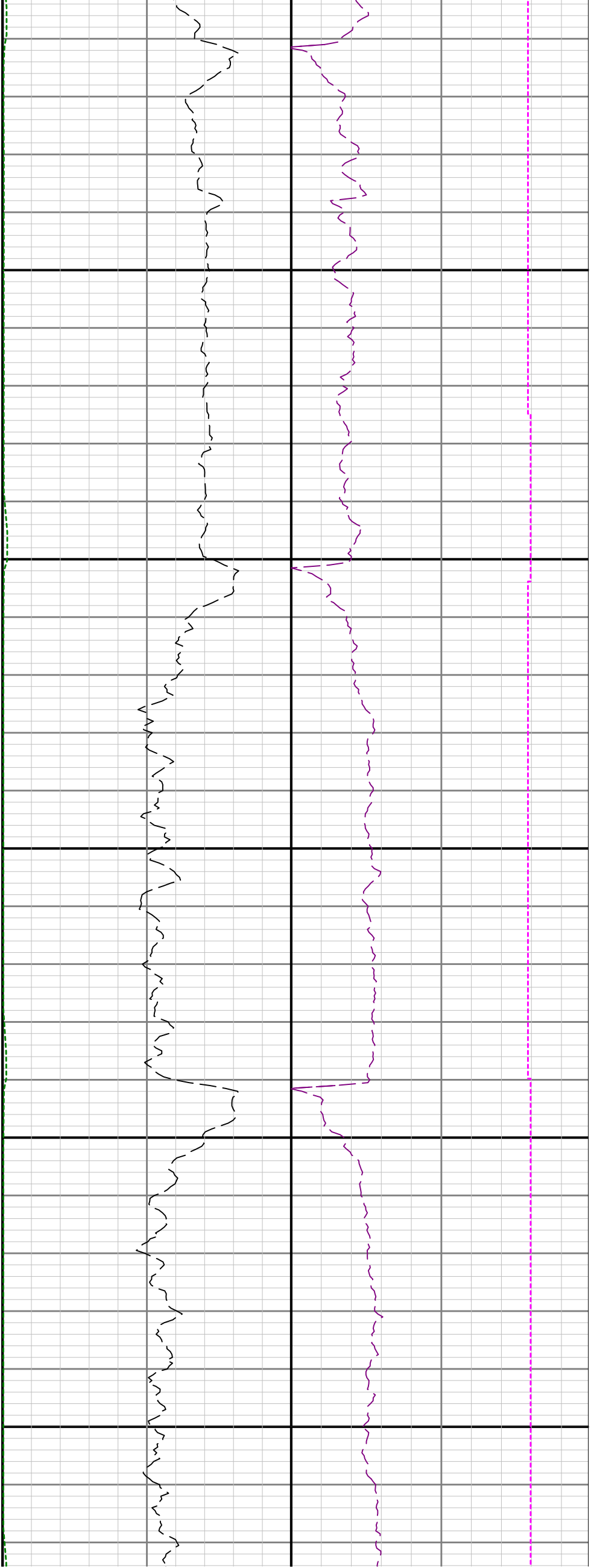


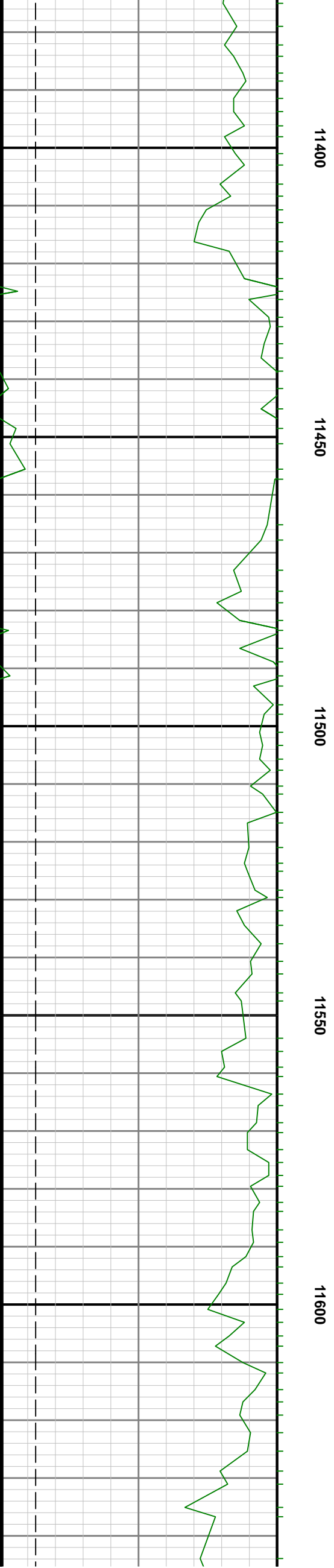


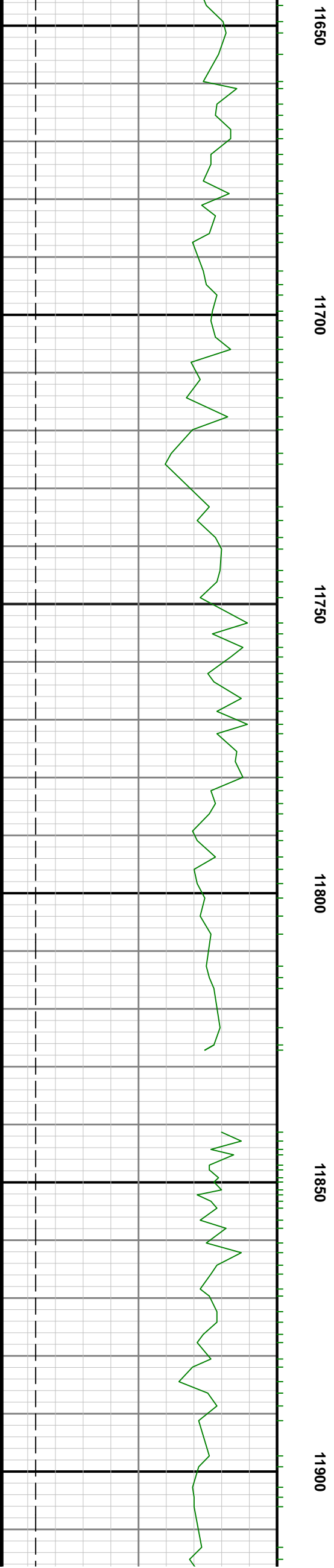
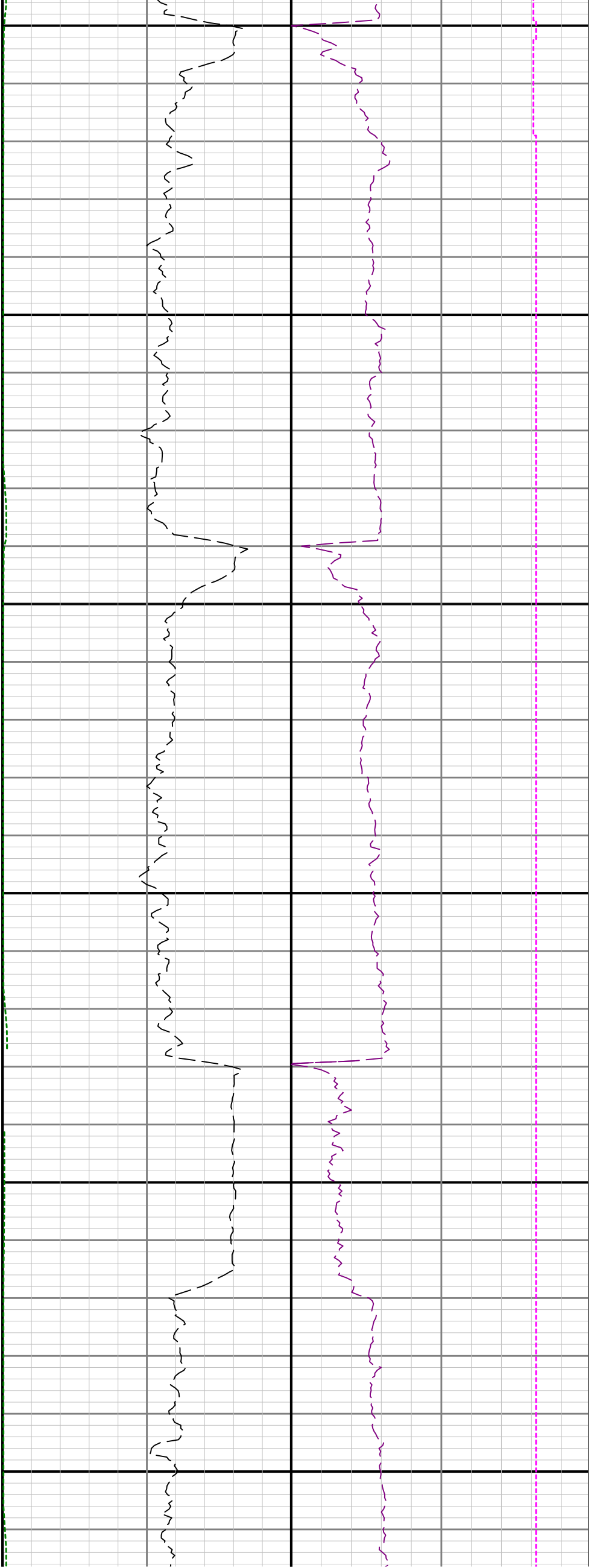


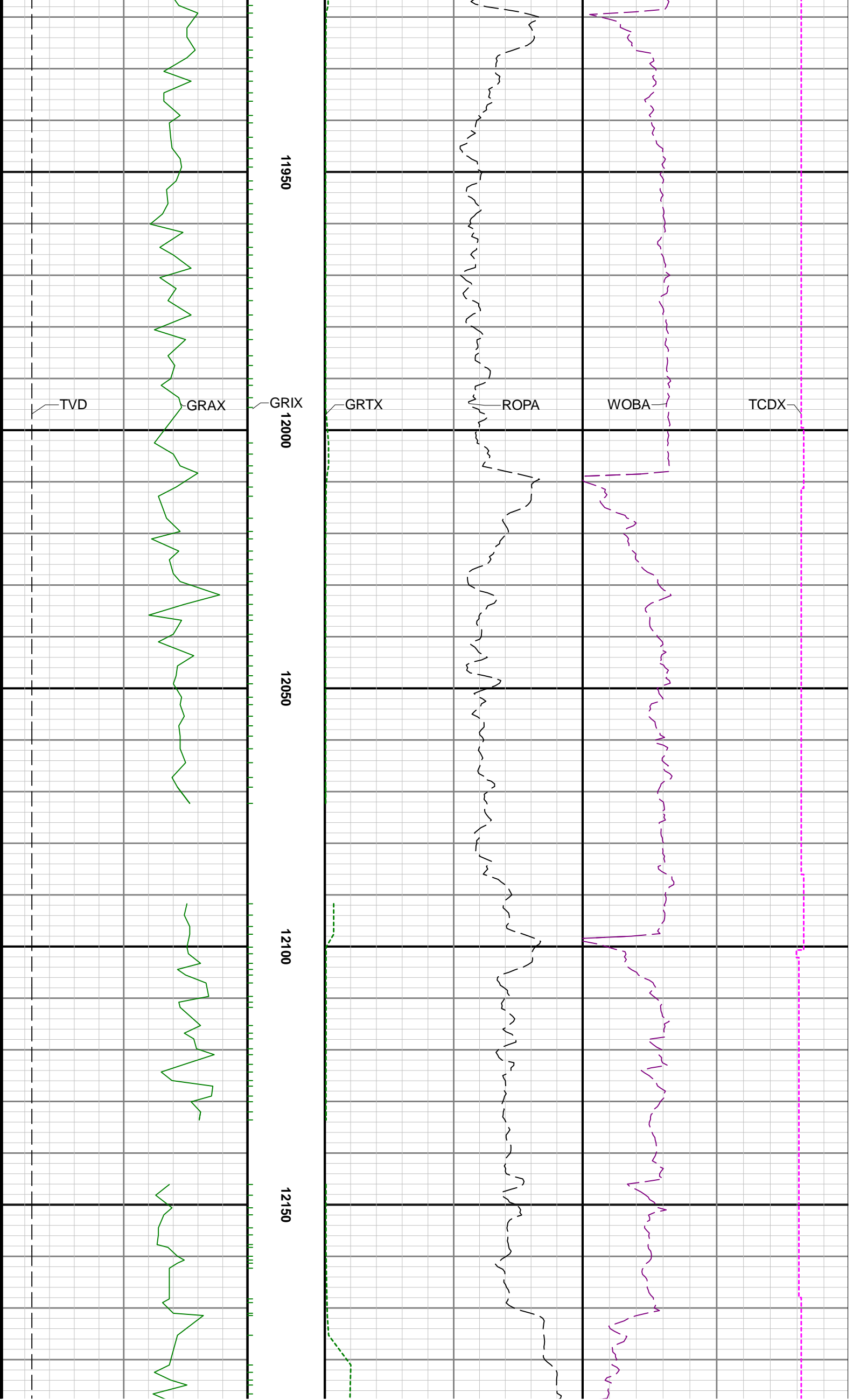


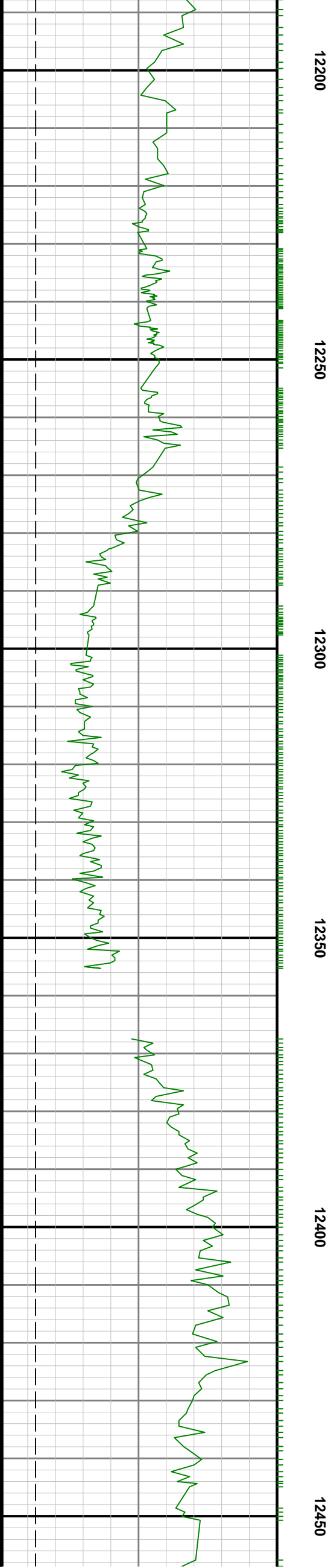
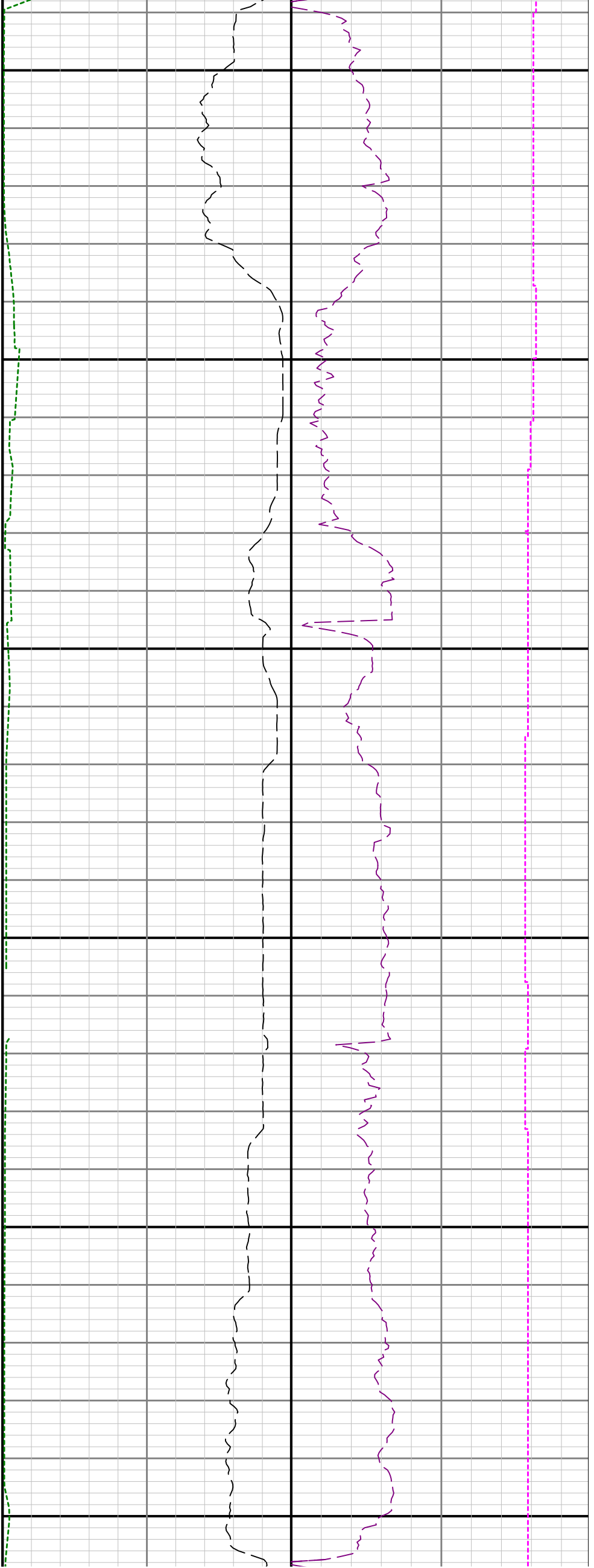


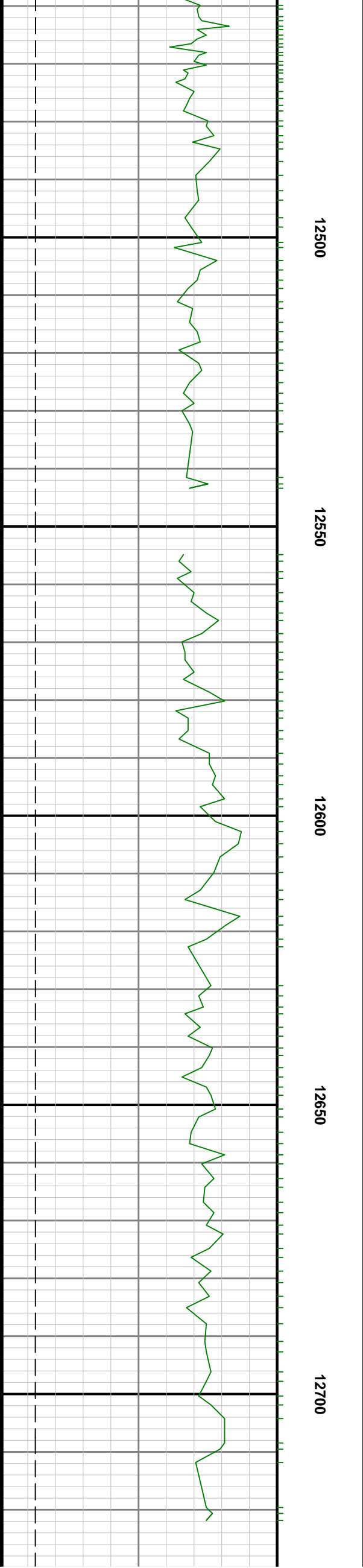
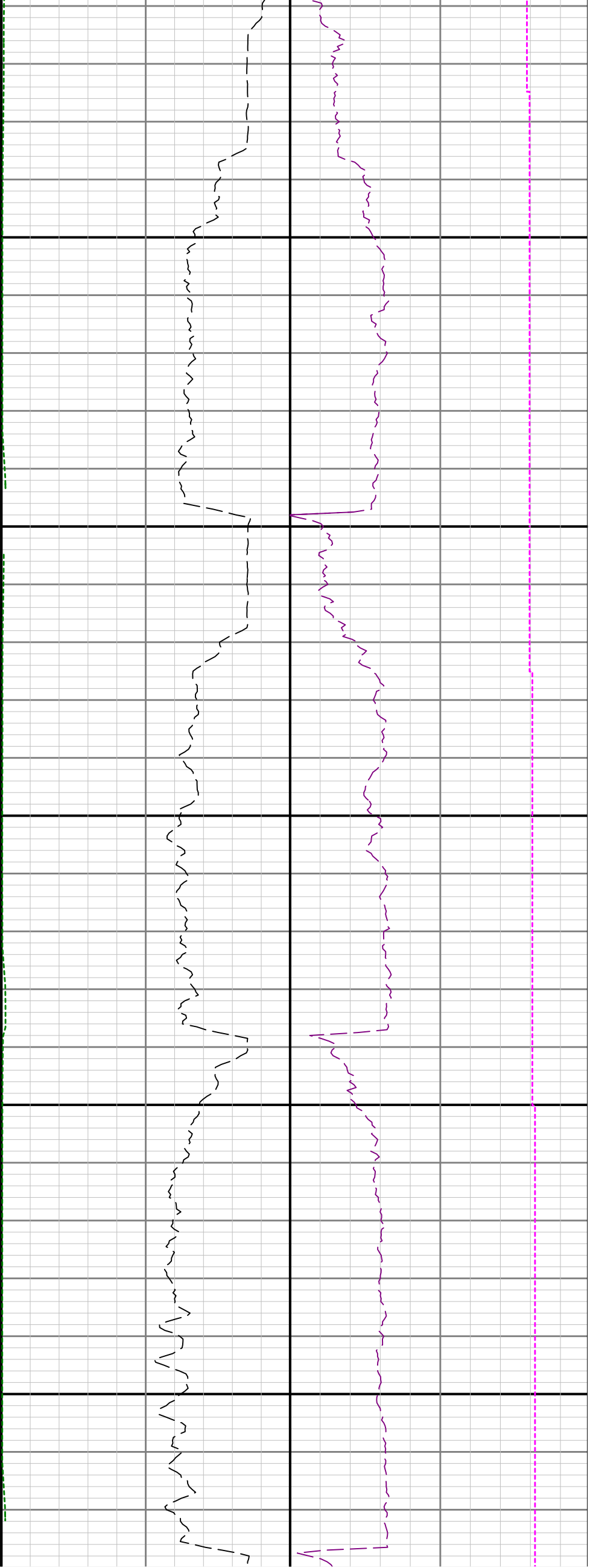


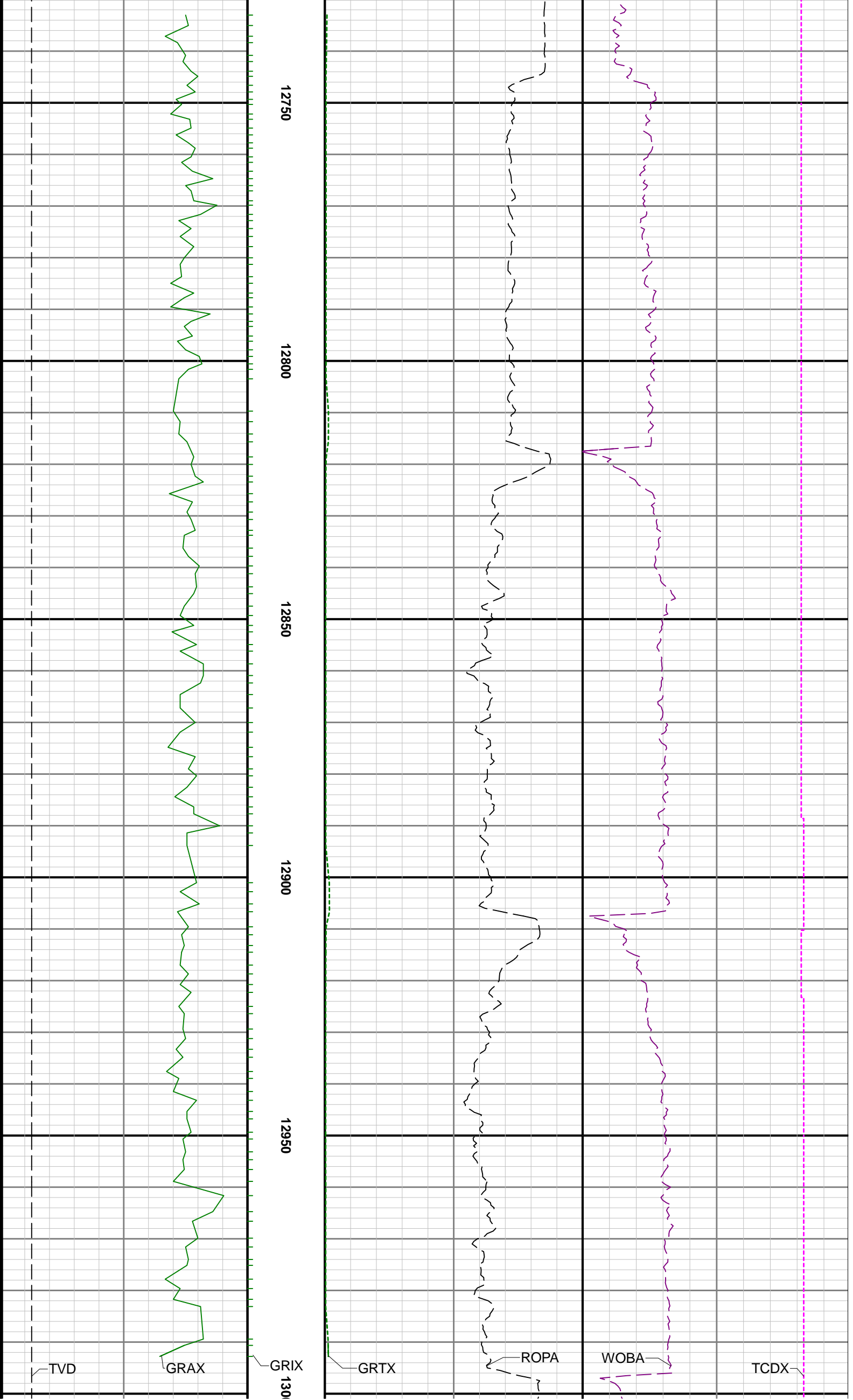


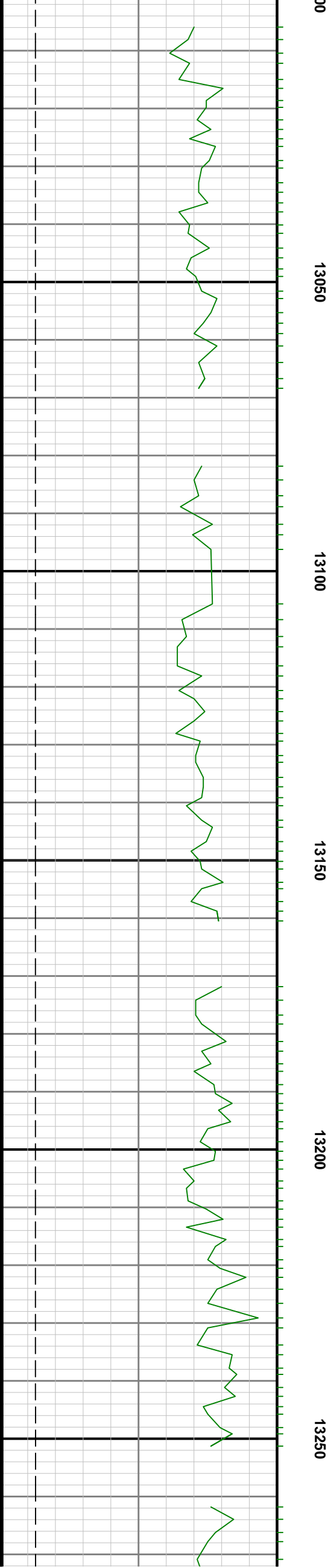


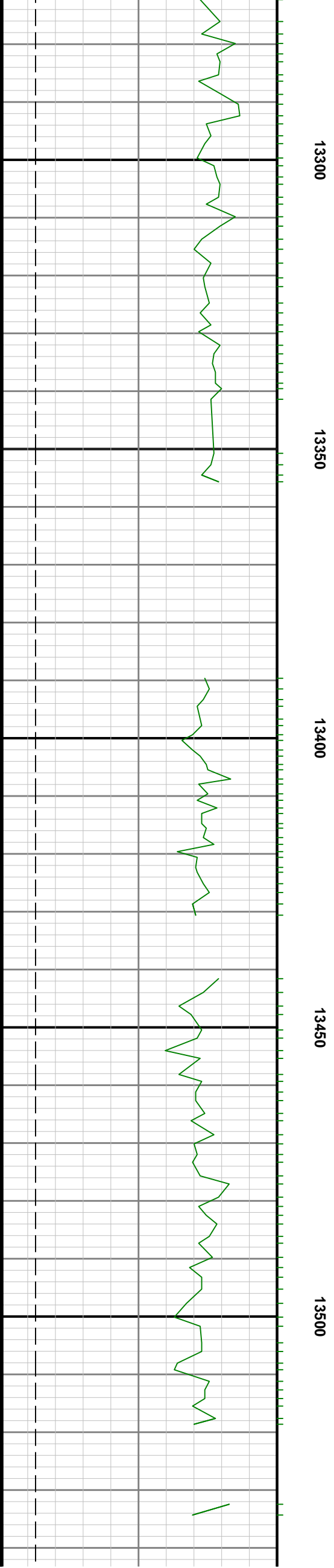
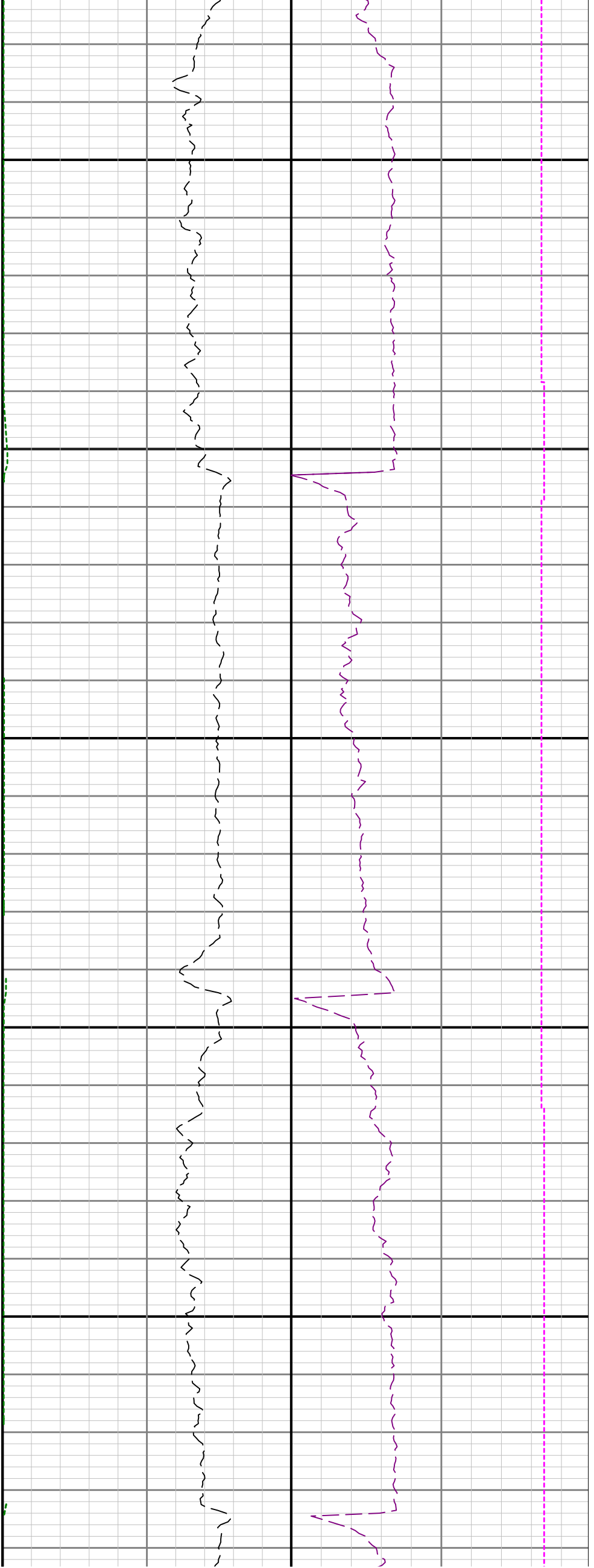


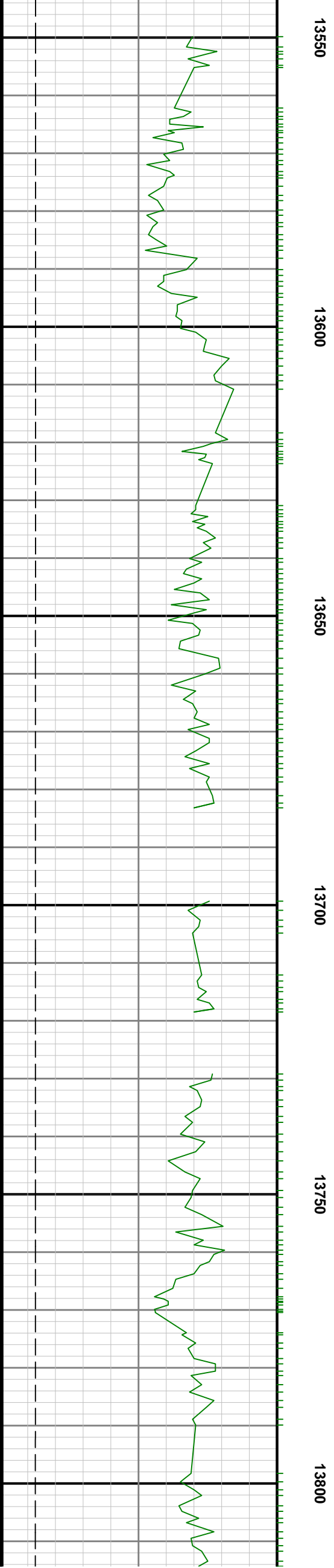
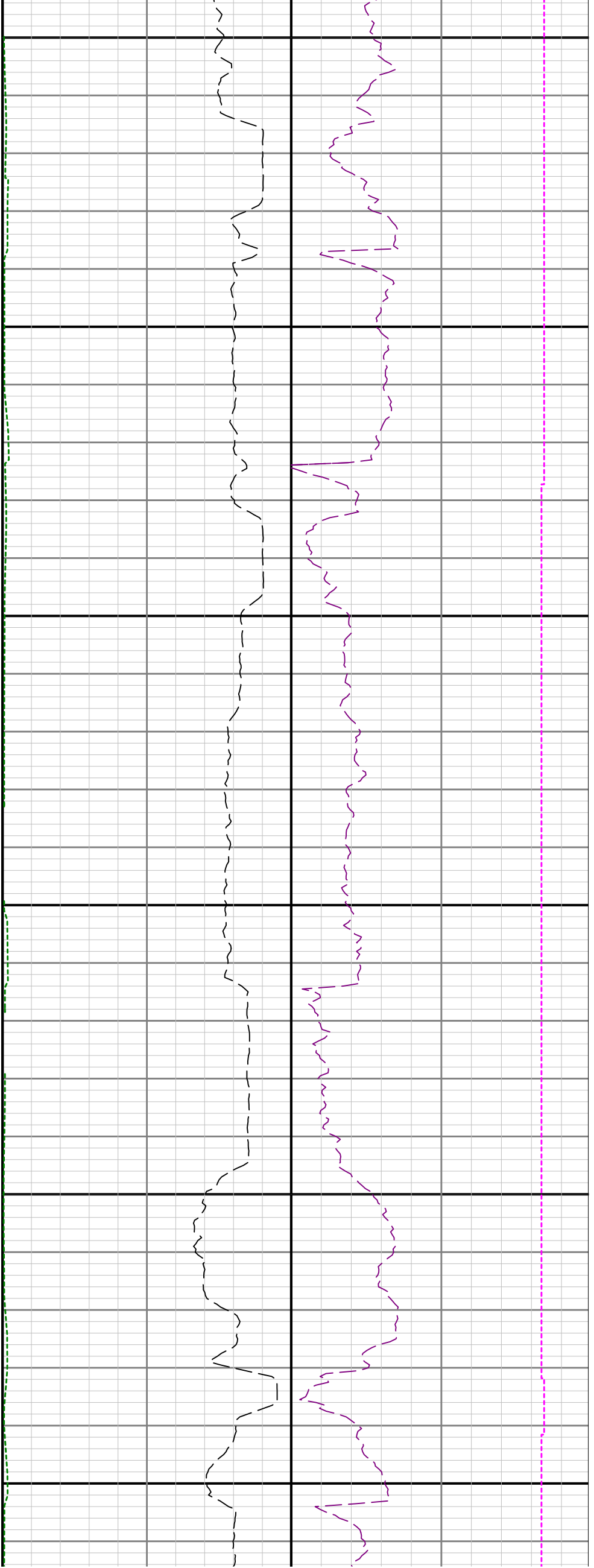


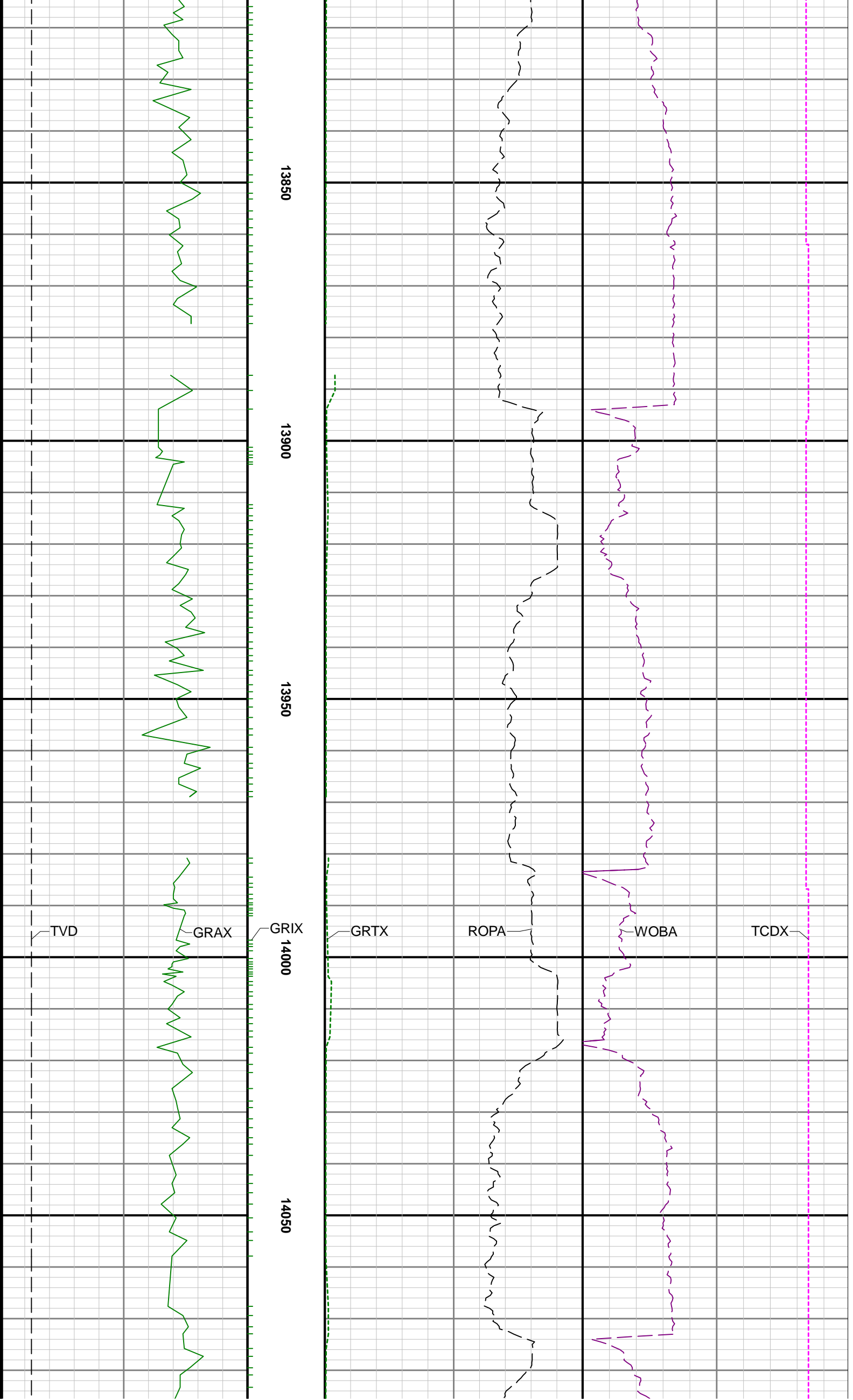


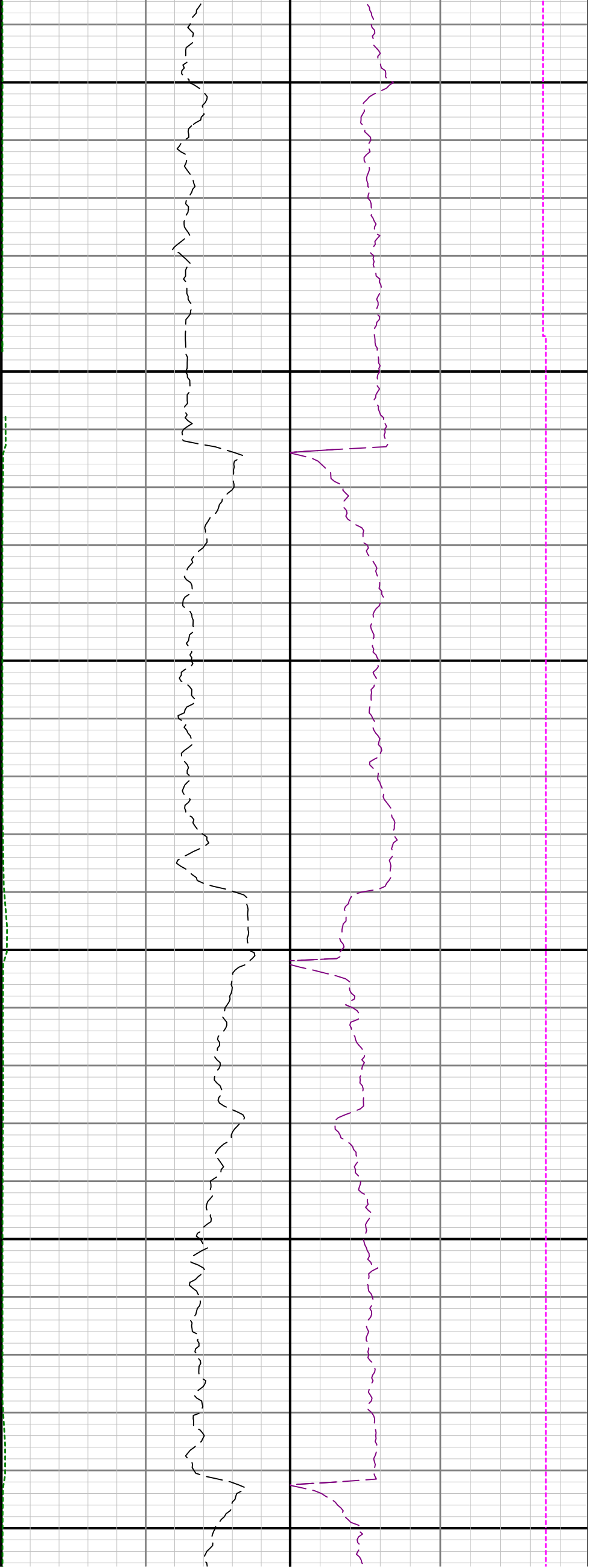












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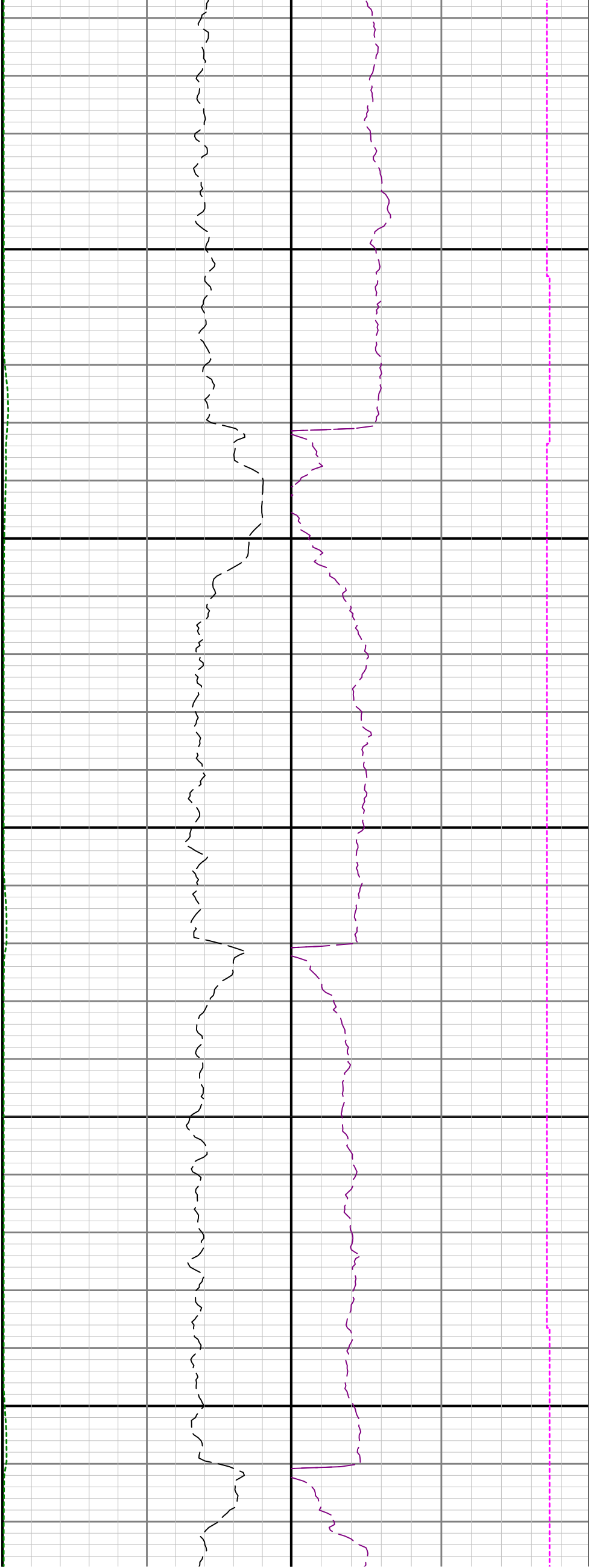
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