

Run No.	Tool	Serial Number	Measurement	Sensor Offset (ft)	Bit Offset (ft)	Max O.D. (in)	Min I.D. (in)
1	AutoTrak Curve Steering Unit	15103421	Near Bit VSS	5.93	6.73	7.500	4.330
1	AutoTrak Curve Steering Unit	15103421	Near Bit Inclination	5.93	6.73	7.500	4.330
1	AutoTrak Curve MWD	14284431	Gamma (single)	2.74	12.90	7.000	3.250
1	AutoTrak Curve MWD	14284431	Directional (mag)	12.27	22.43	7.000	3.250
2	AutoTrak Curve Steering Unit	14381514	Near Bit VSS	5.93	6.78	7.000	4.330
2	AutoTrak Curve Steering Unit	14381514	Near Bit Inclination	5.93	6.78	7.000	4.330
2	AutoTrak Curve MWD	14270075	Gamma (single)	2.75	12.95	7.000	3.250
2	AutoTrak Curve MWD	14270075	Directional (mag)	12.27	22.47	7.000	3.250

Service and Tool Mnemonics

Mnemonic	Name	Description
ATC SU	AutoTrak Curve SU	Auto Trak Curve Steering Unit
ATC MWD	AutoTrak Curve MWD	Auto Trak Curve MWD
ATC LCPM	AutoTrak Curve LCPM	Auto Trak Curve LCPM

Comments

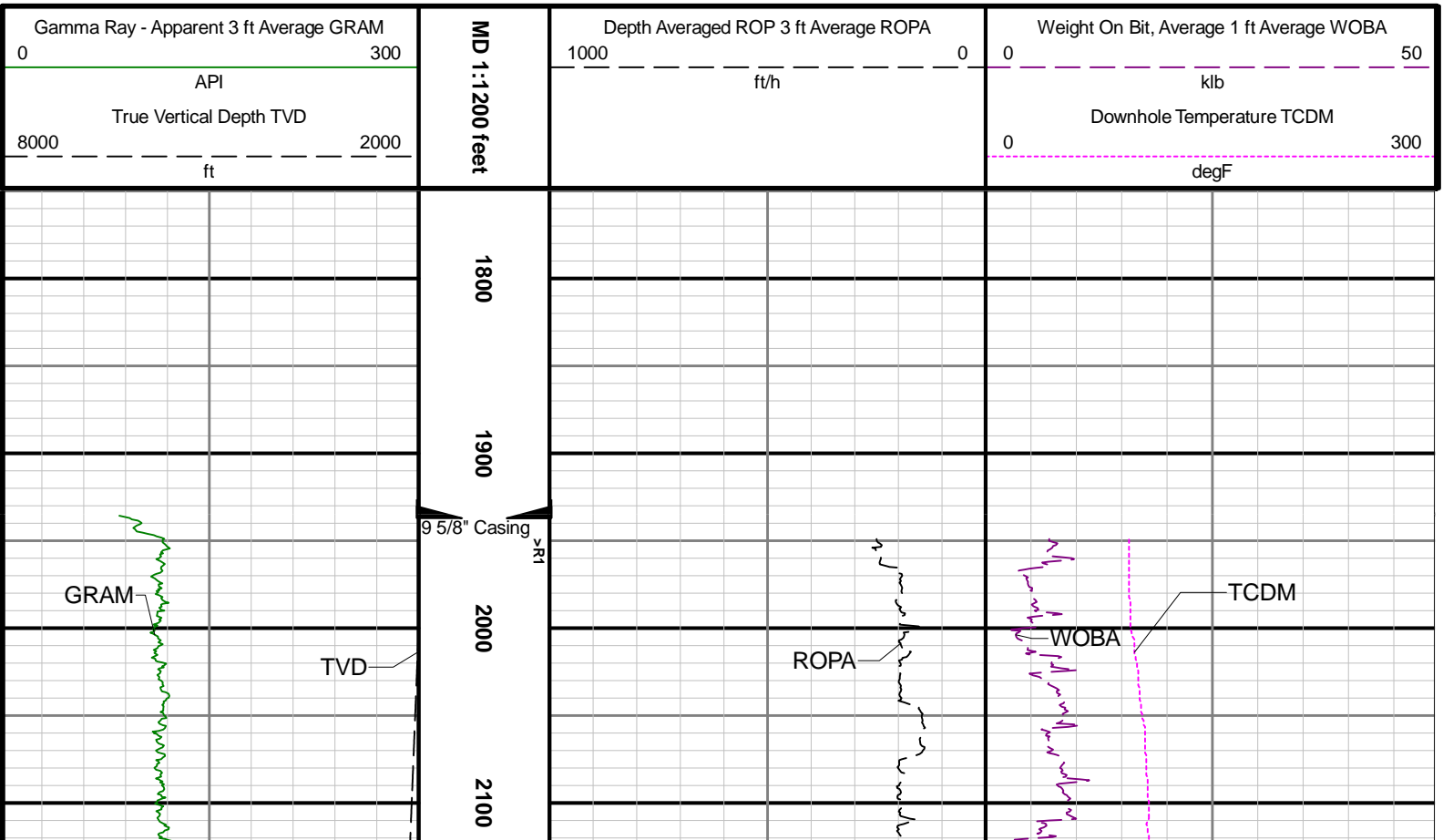
1	Depth measurements were obtained from a depth control system not supplied or operated by Baker Hughes. Due to lack of control by Baker Hughes logging engineers, depth calibrations and measurements could not be independently verified.
2	Baker Hughes LWD Run 1 utilized 6 ¾ inch NaviGamma service (Gamma Ray and Directional) behind an 8 1/2 inch bit and rotary steerable assembly from 1948 to 17520 feet MD (1948 to 6844 feet TVD).
3	The Gamma Ray Apparent (GRAM) data is presented 0 to 300 API, per the customer's request.
4	Several gaps appear in the log due to drilling ahead before the assembly had time to properly power on.

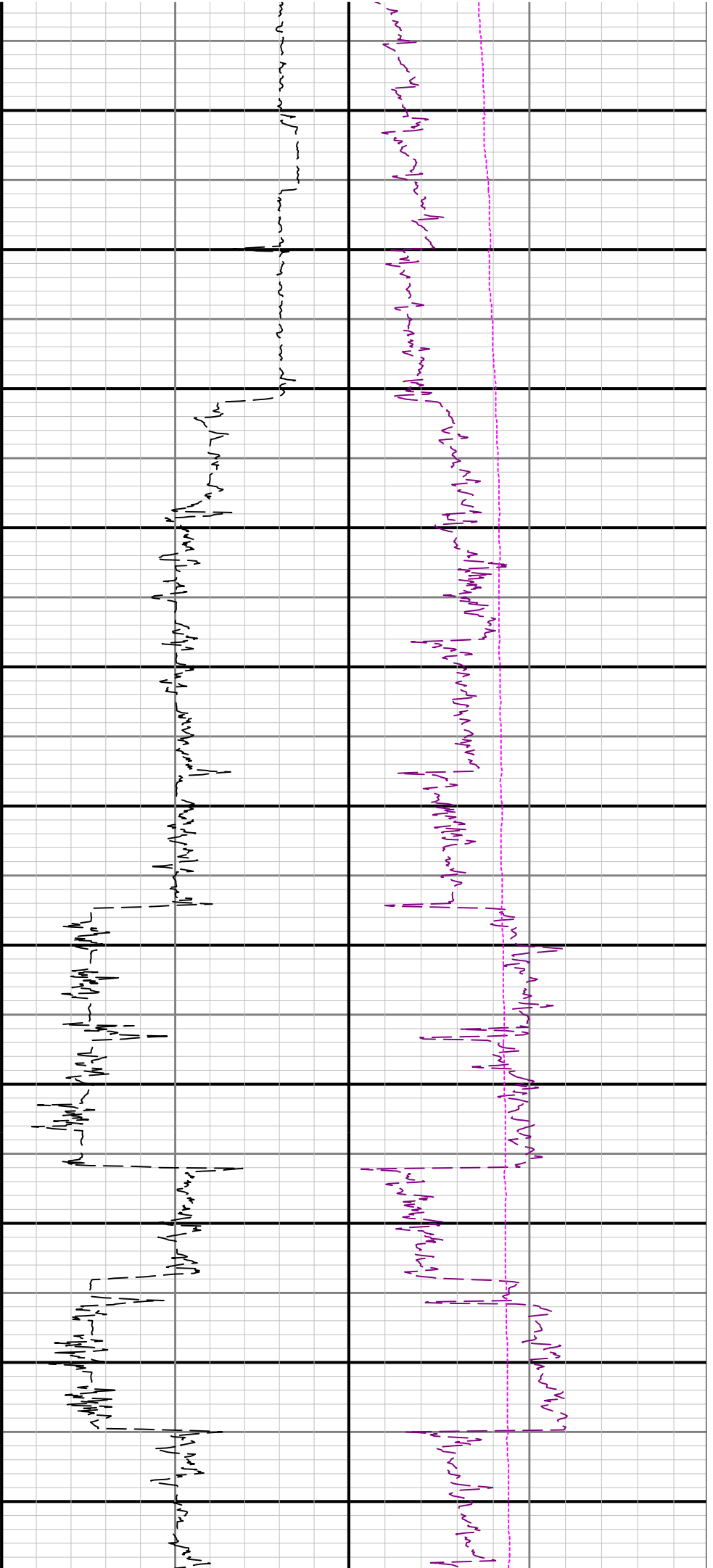
Remarks

Number	Depth (ft)	Hole Section (in)	Run No.	Remark
1	15485.00	8.500	2	The interval from to 15485 to 15497 feet MD (6859 feet TVD) was logged up to 22.5 hours after being drilled due to a trip out of hole to change out ATC and Bit.
2	17506.00	8.500	2	The interval from 17506 to 17520 feet MD (6844 feet TVD) was not logged due to sensor to bit offset at well TD.

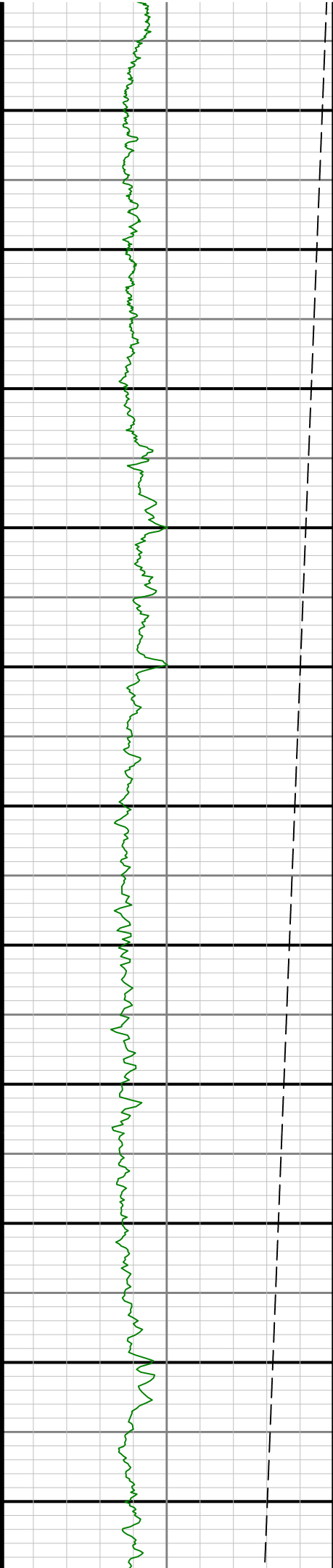
Curve Mnemonics

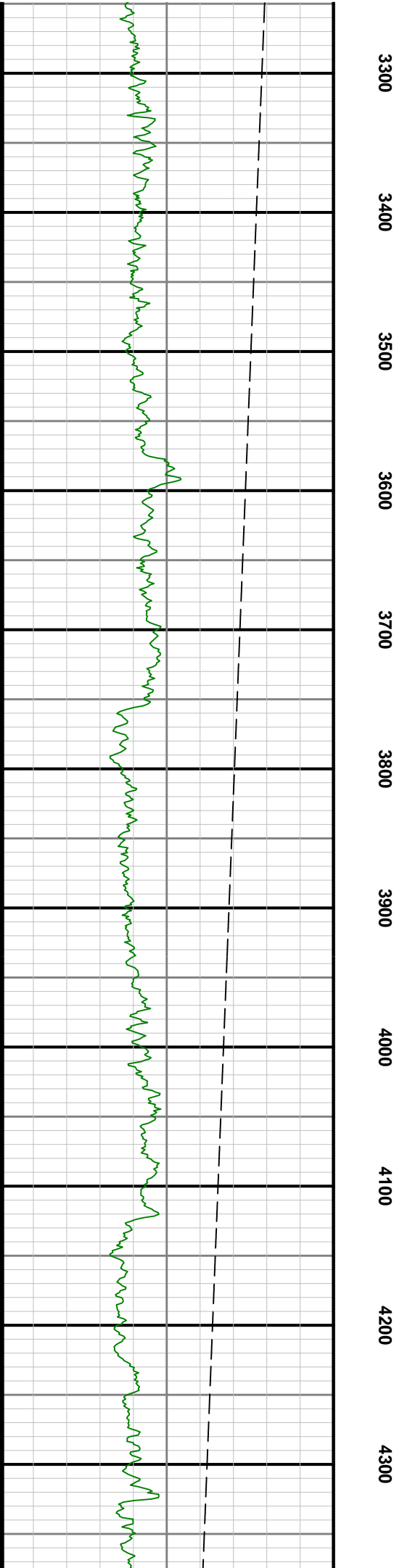
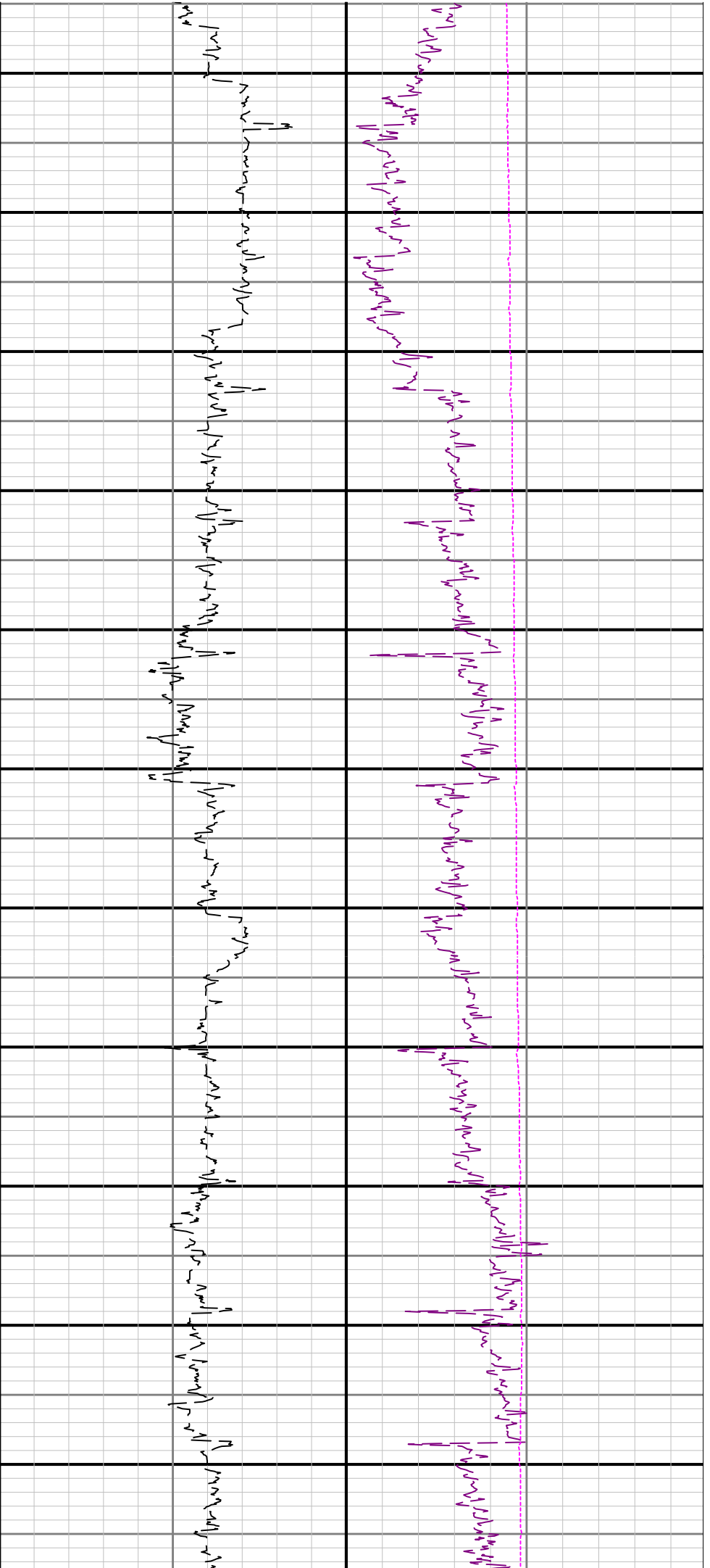
Presented Curves	Description	Units
ROPA	Depth Averaged ROP 3 ft Average	ft/h
TVD	True Vertical Depth	ft
WOBA	Weight On Bit 1 ft Average	klb
GRAM	Gamma Ray - Apparent - Memory 3 ft Average	API
TCDM	Directional Real-Time Survey Temperature	degF

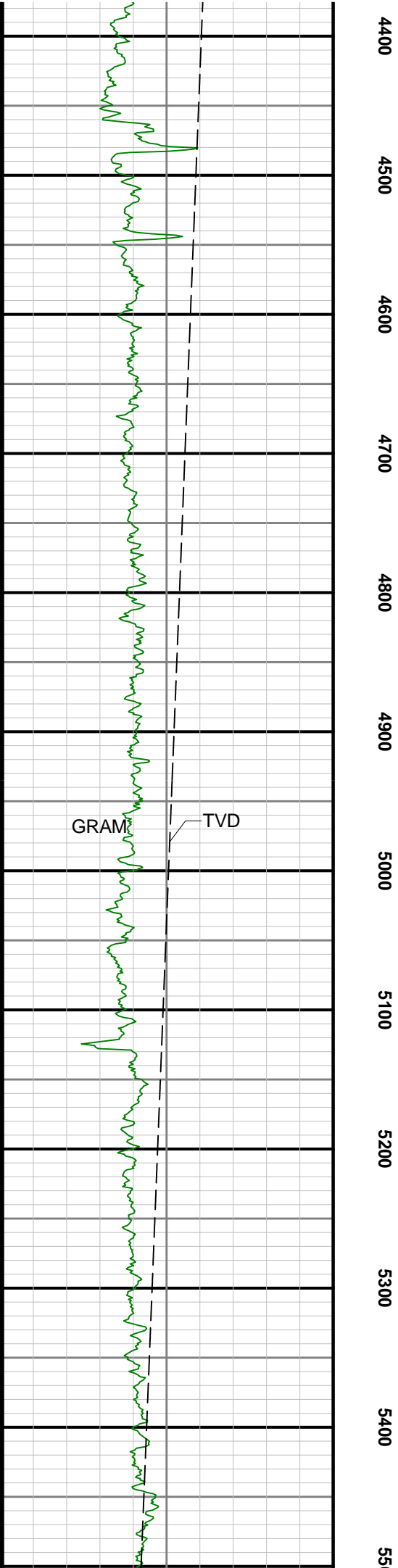
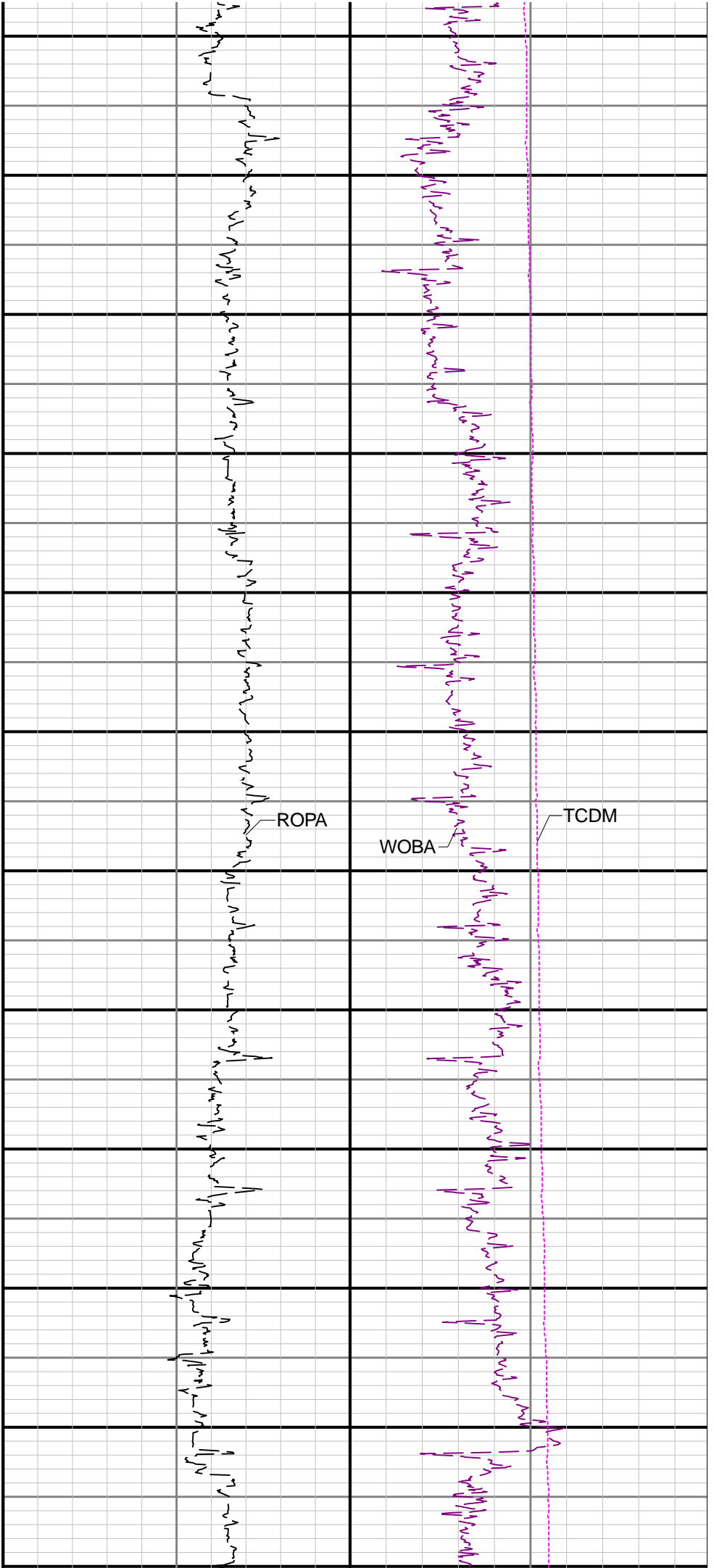


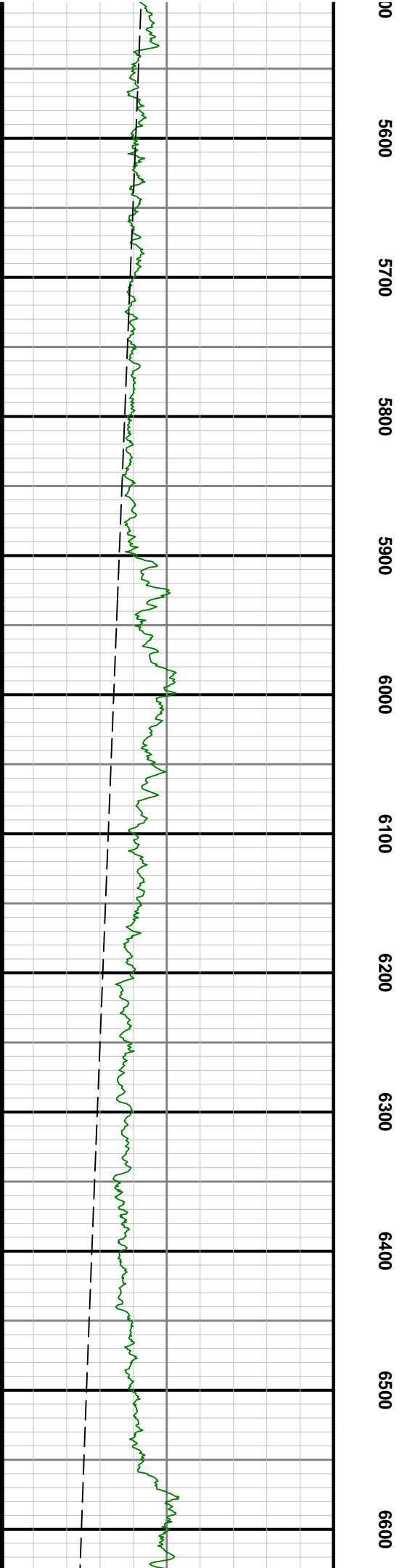
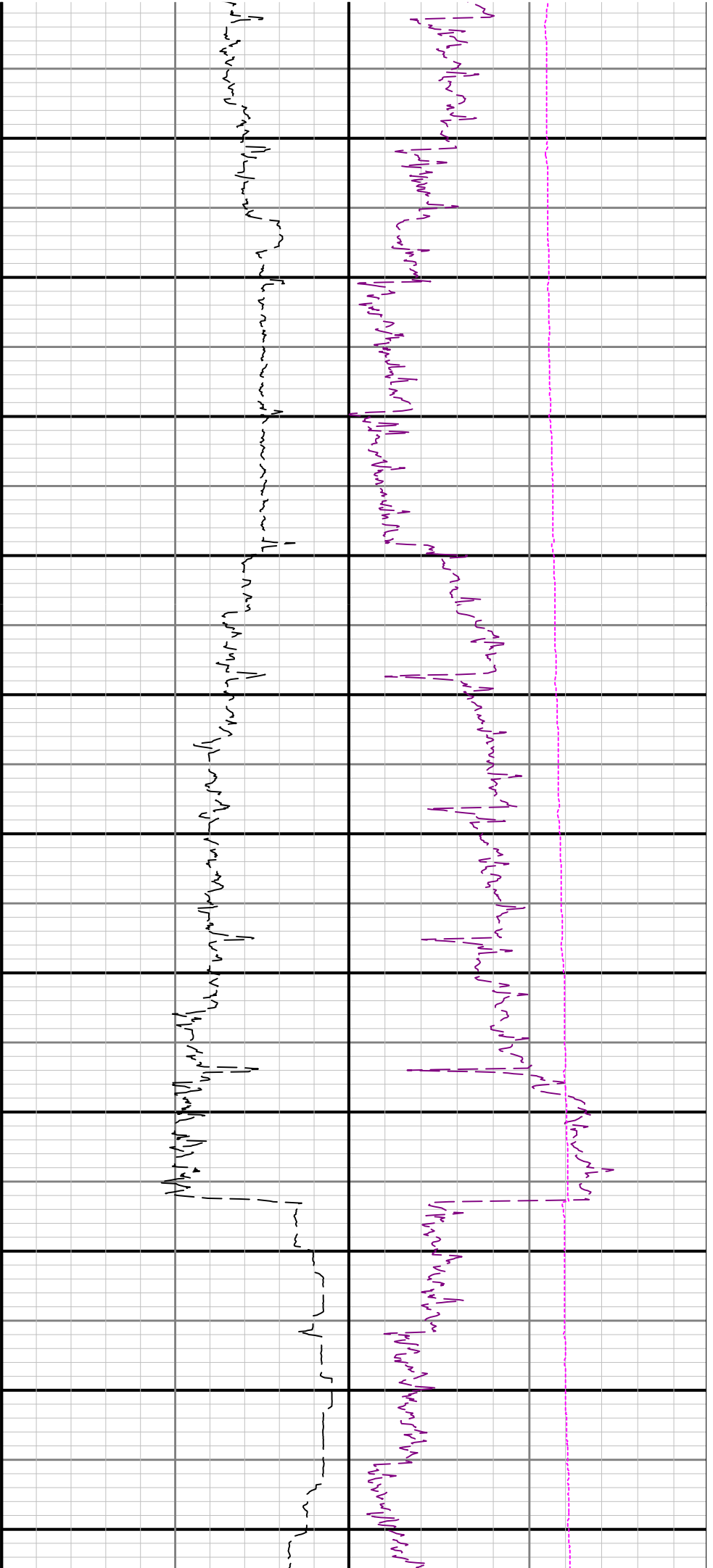


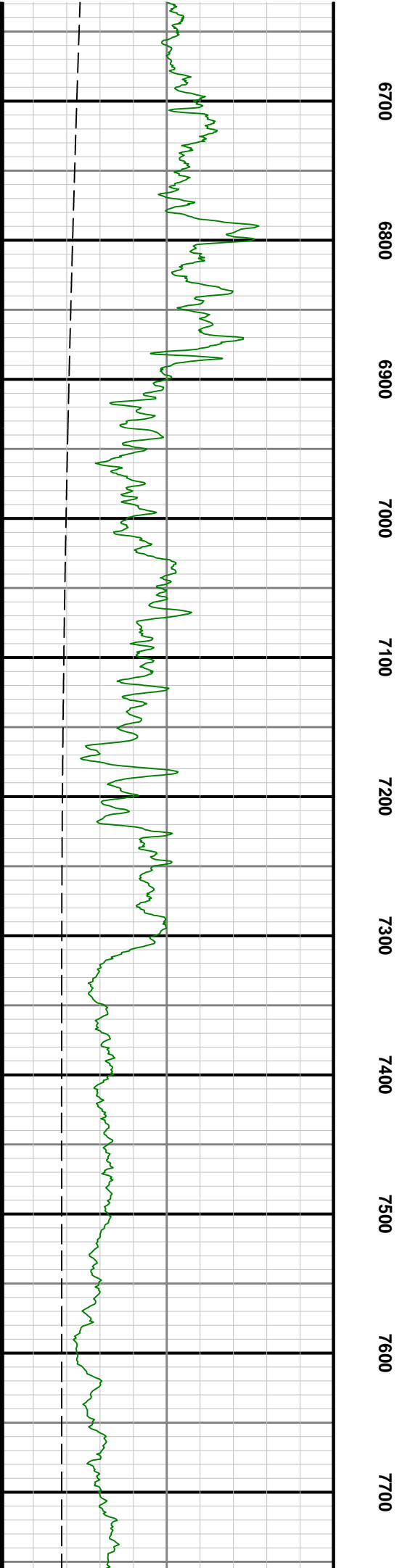
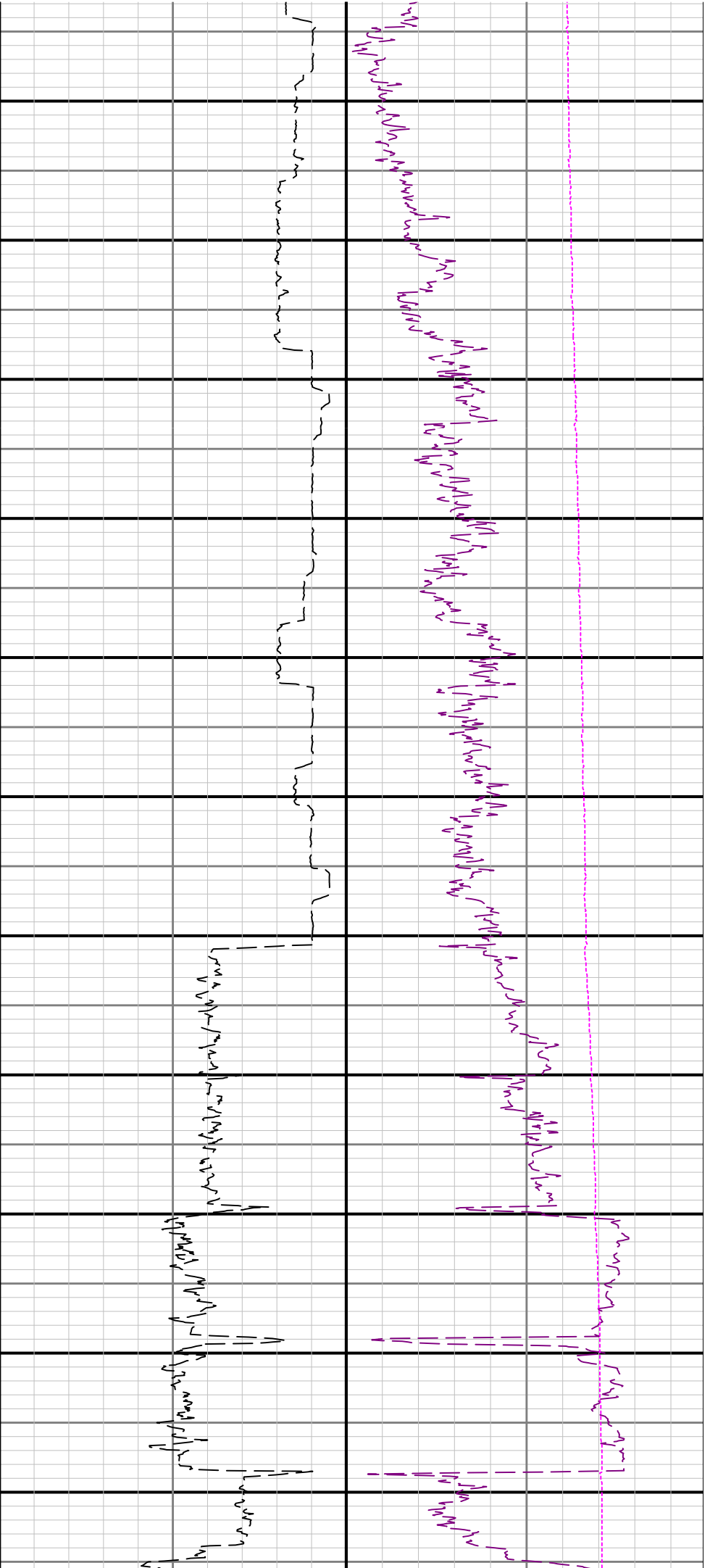
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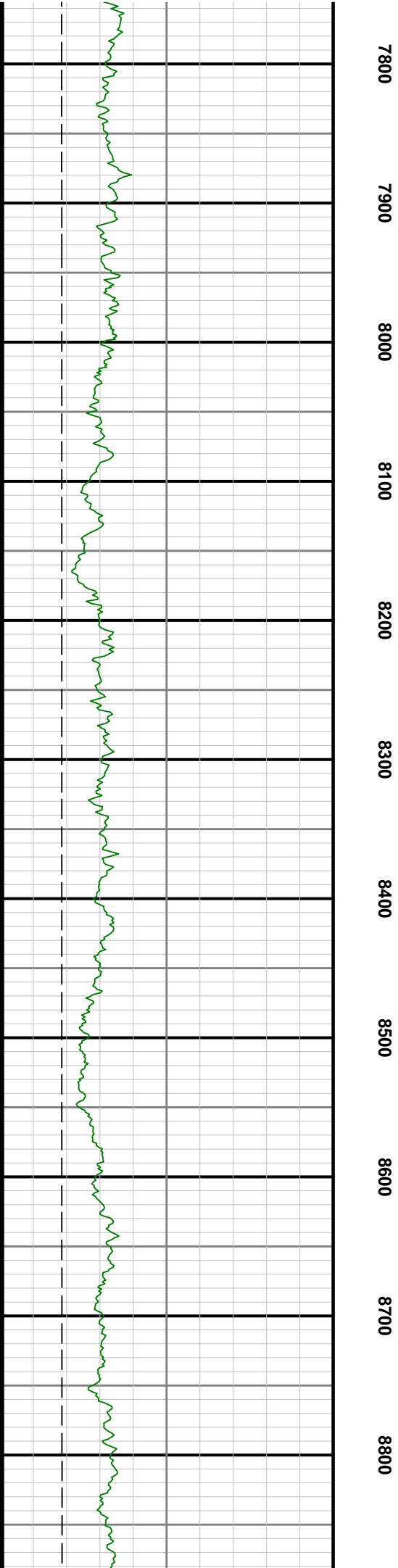
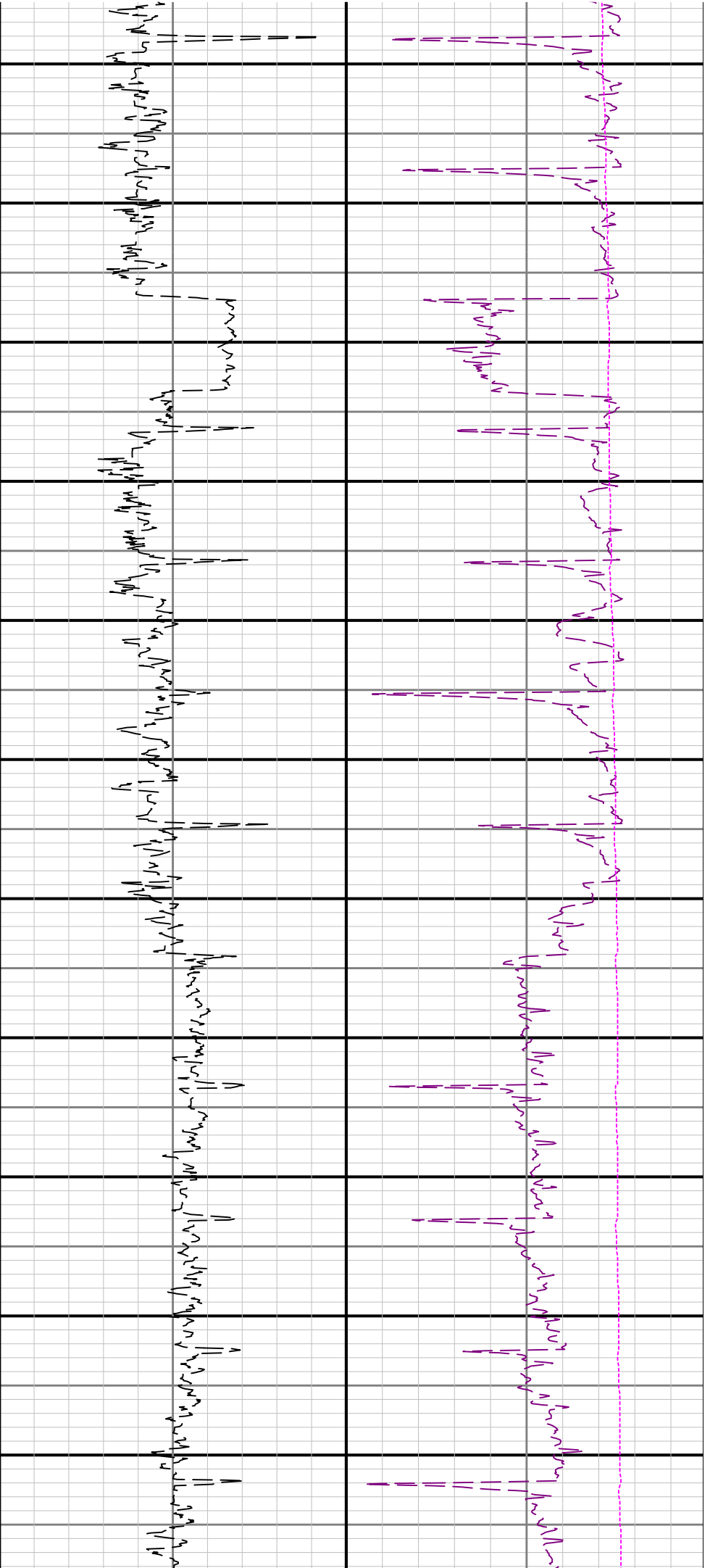


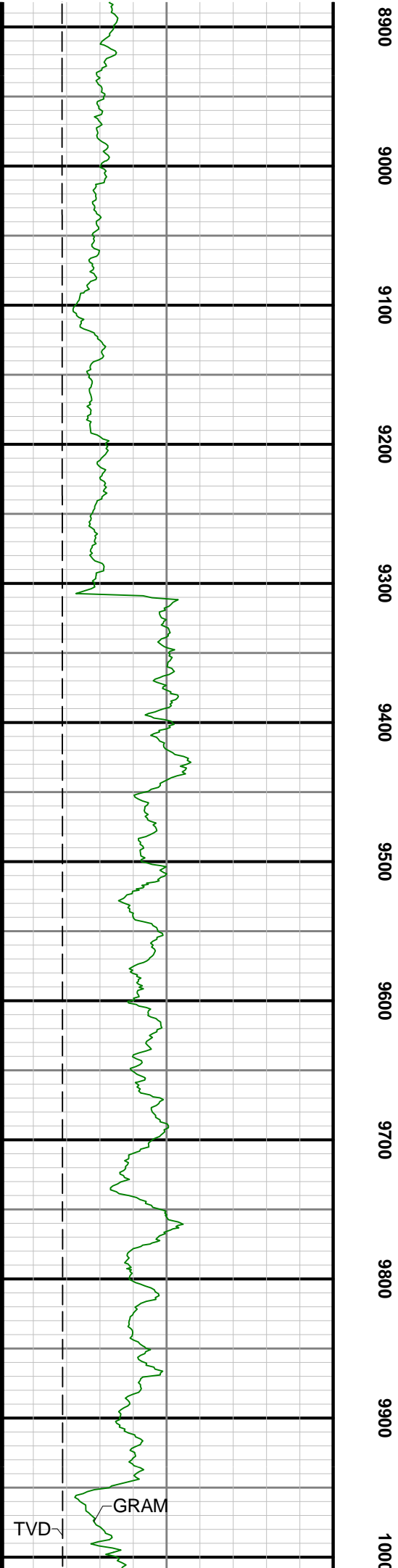
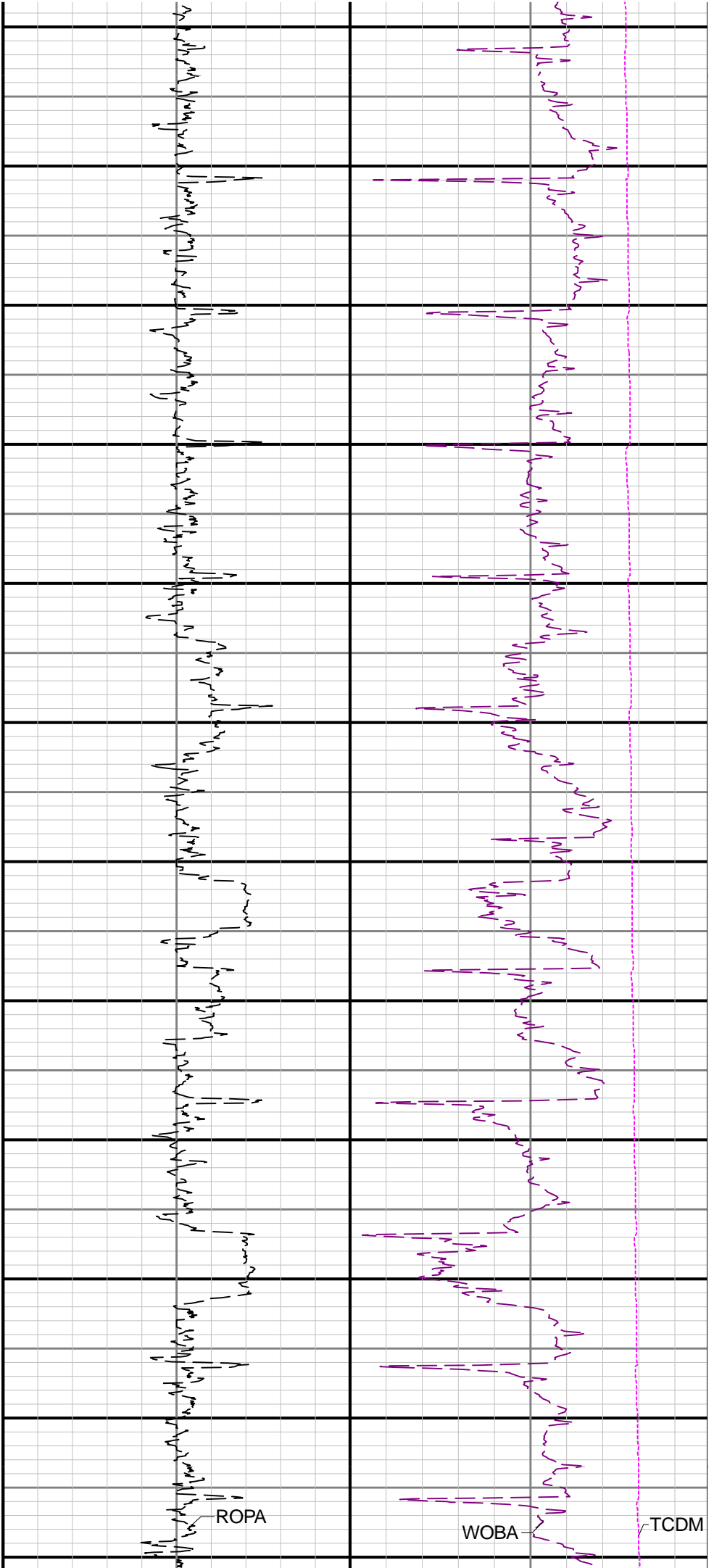


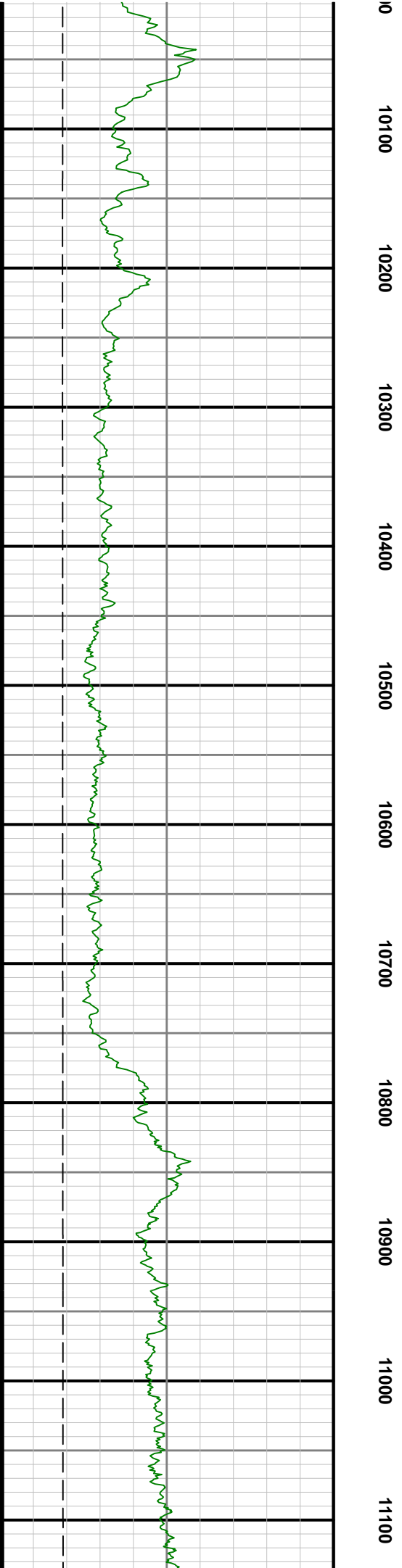
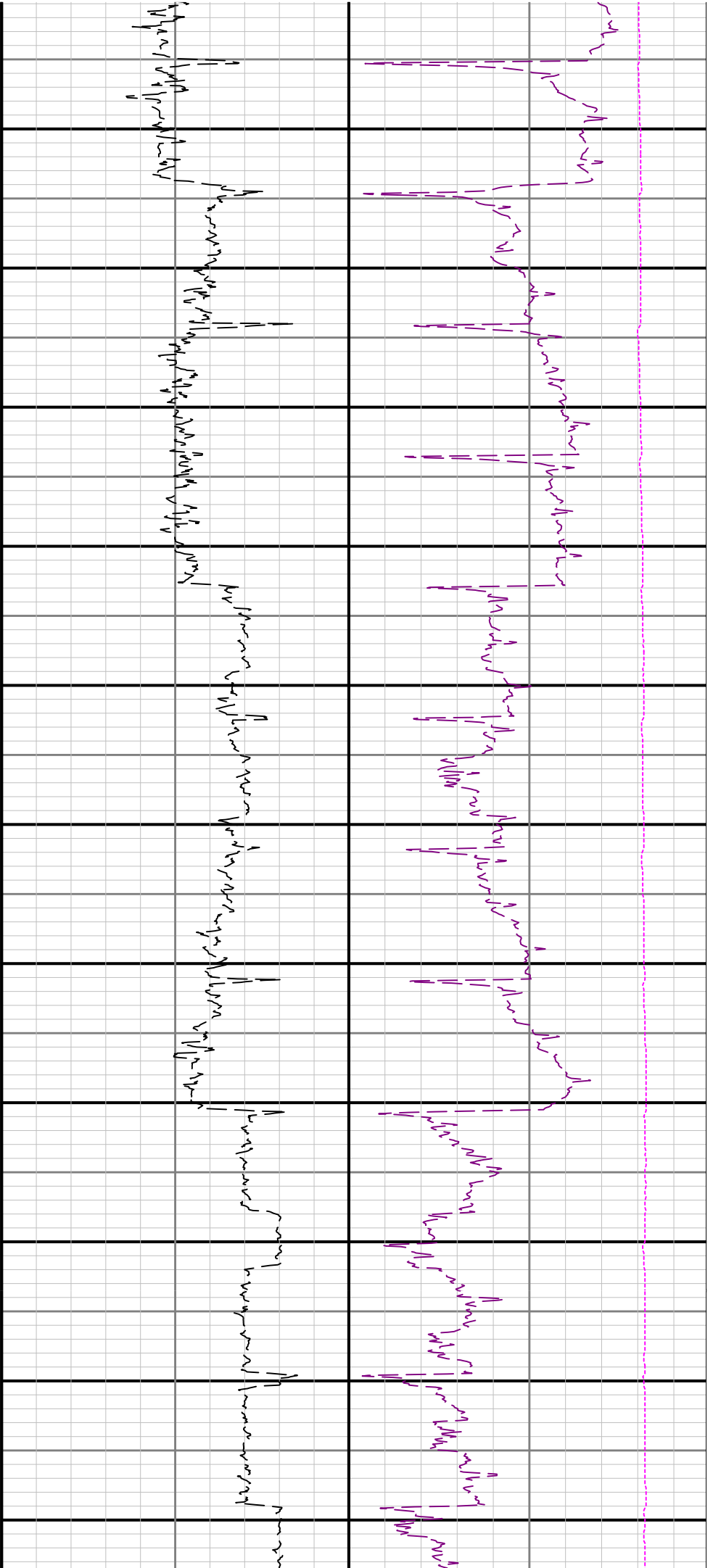


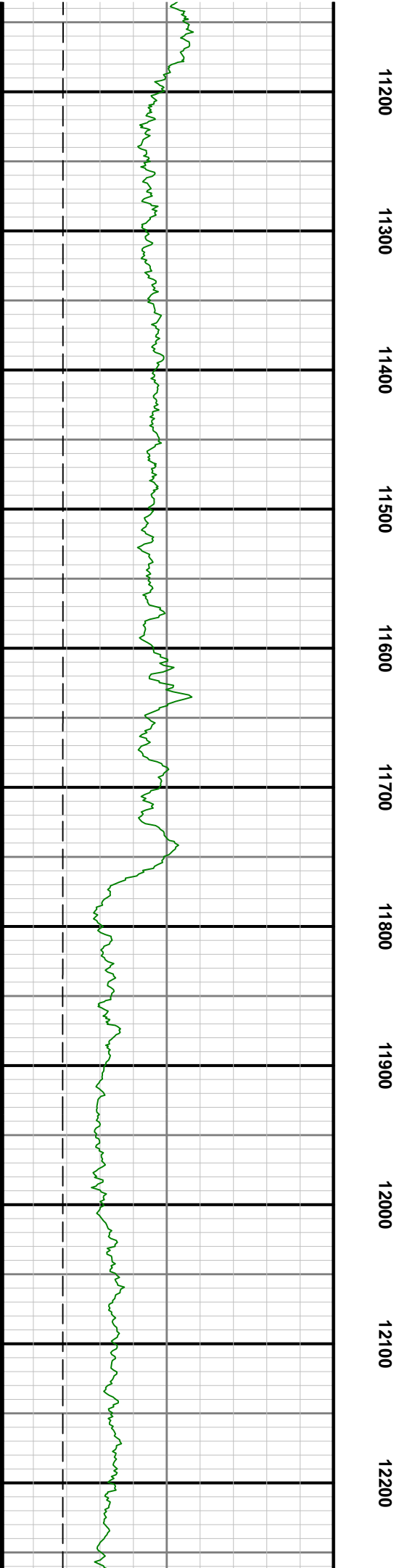
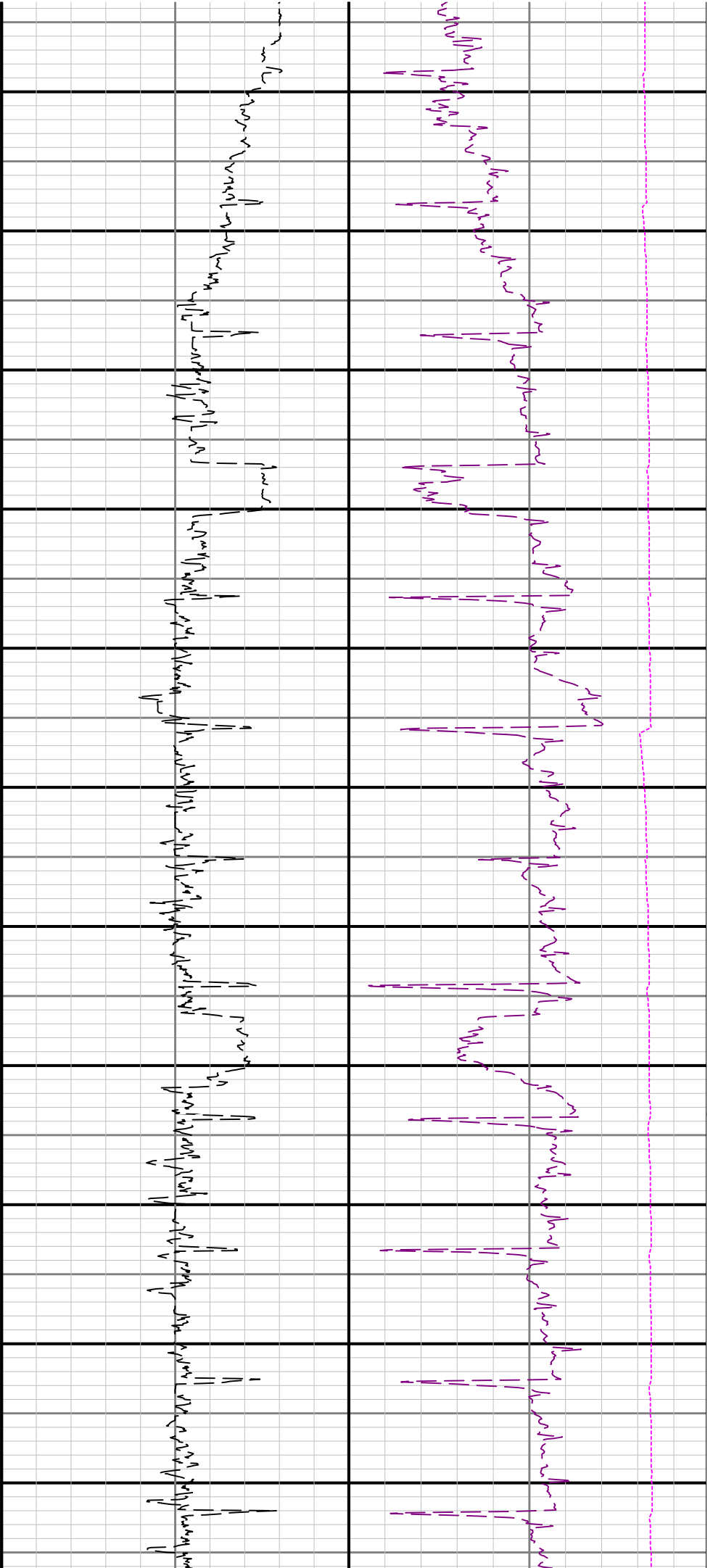


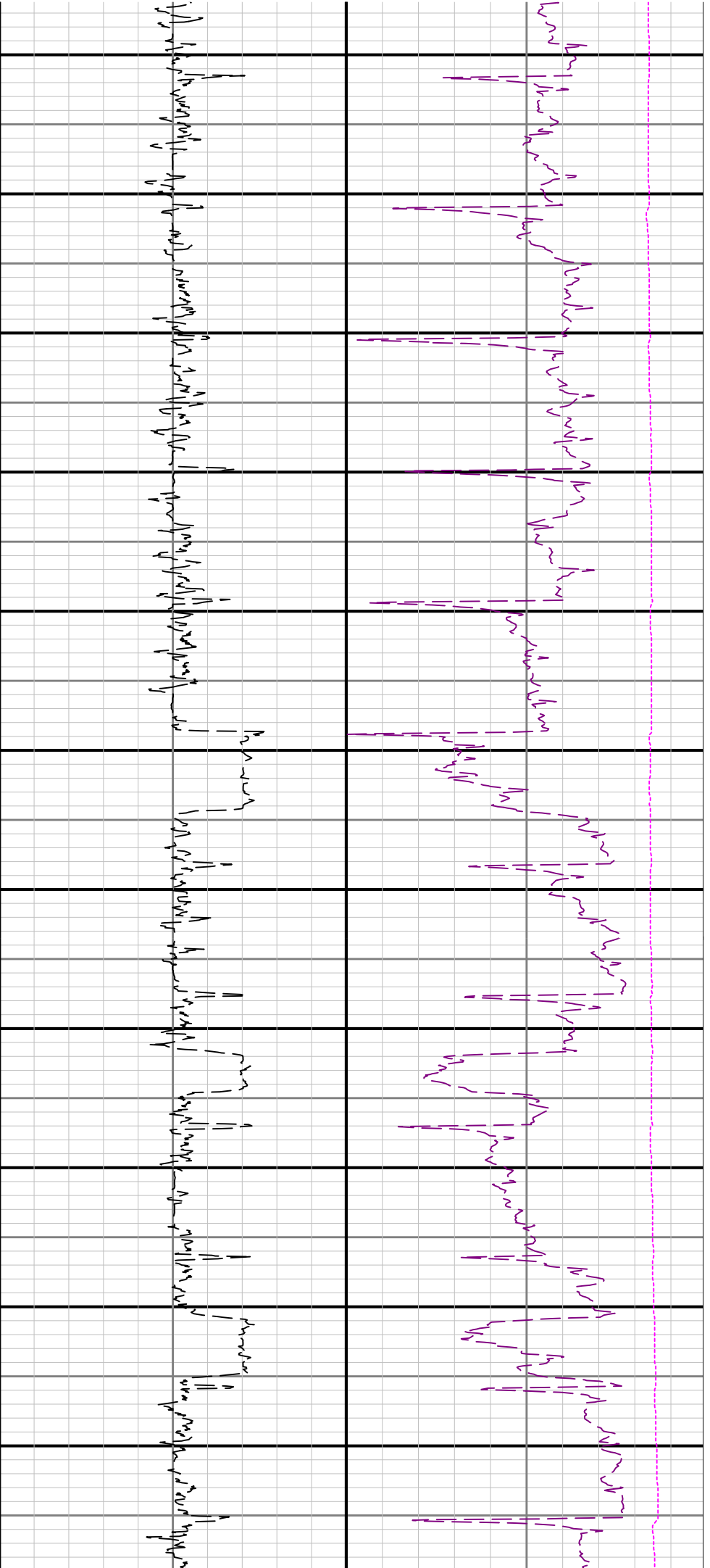






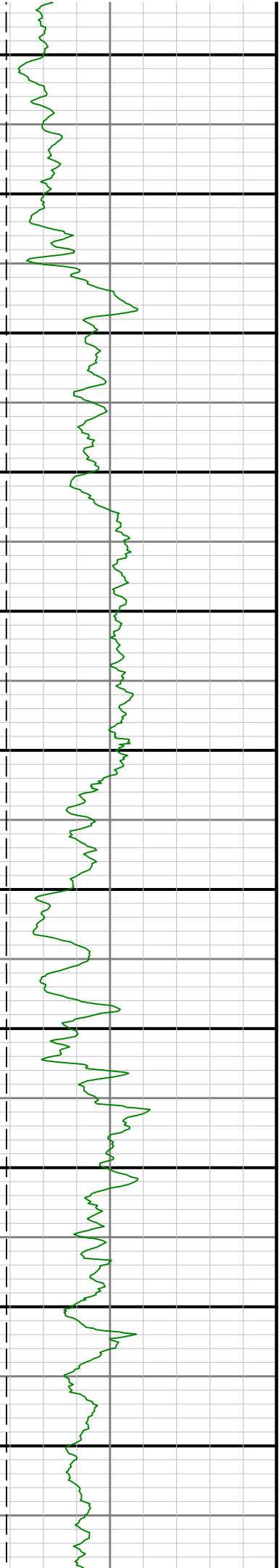


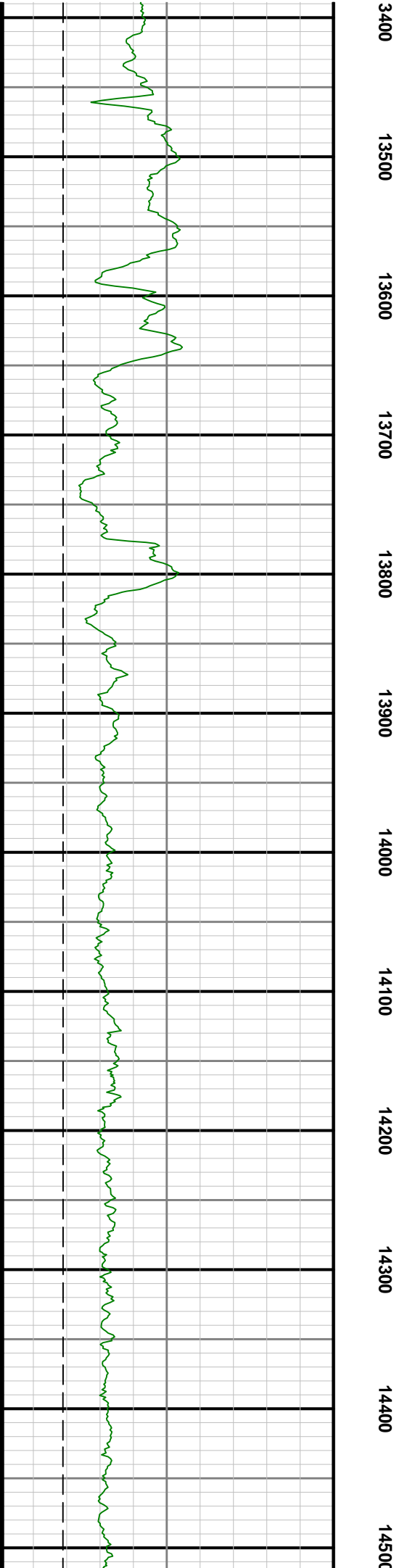
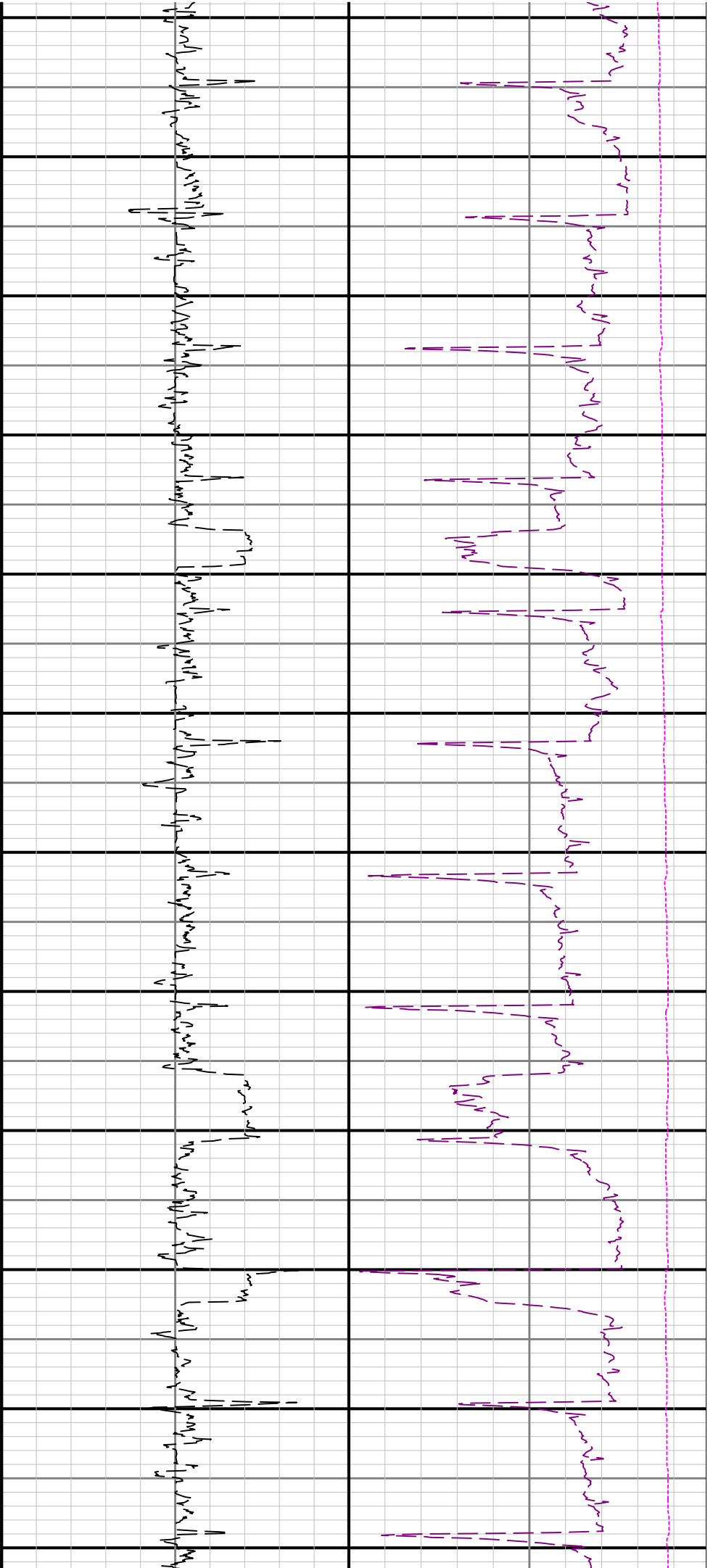


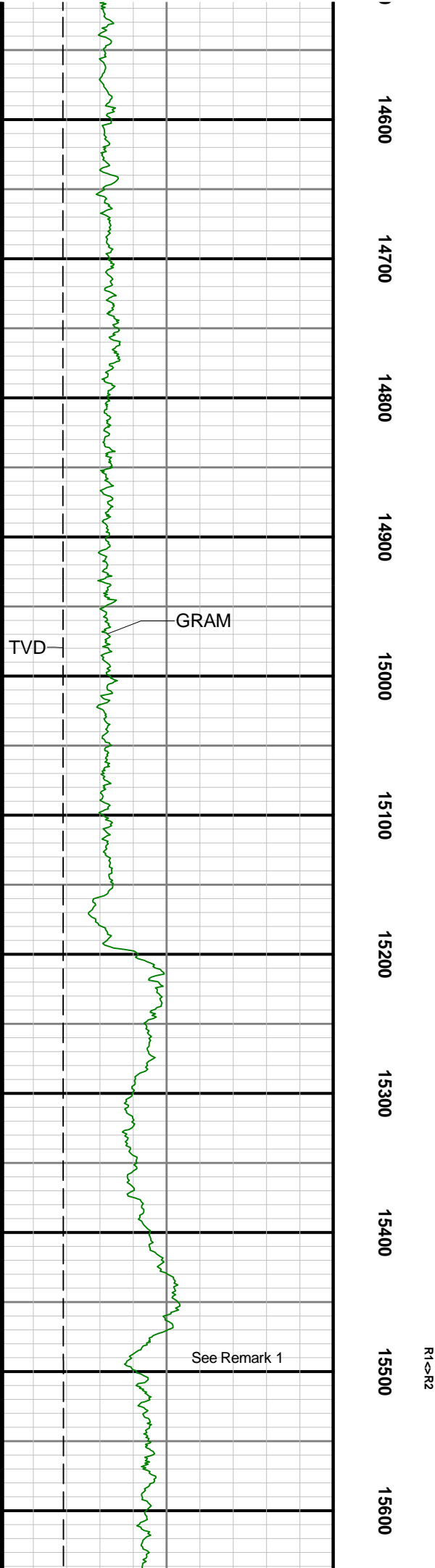
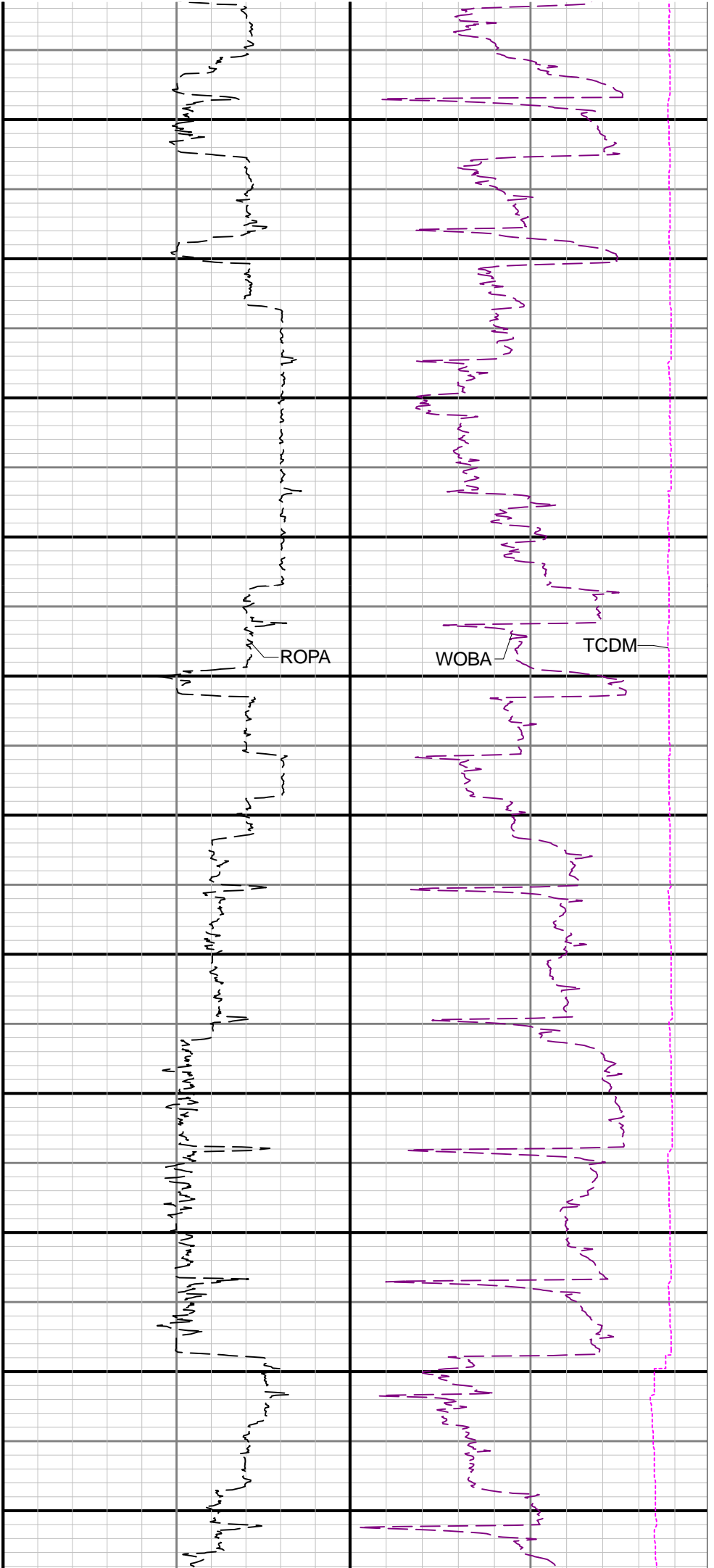


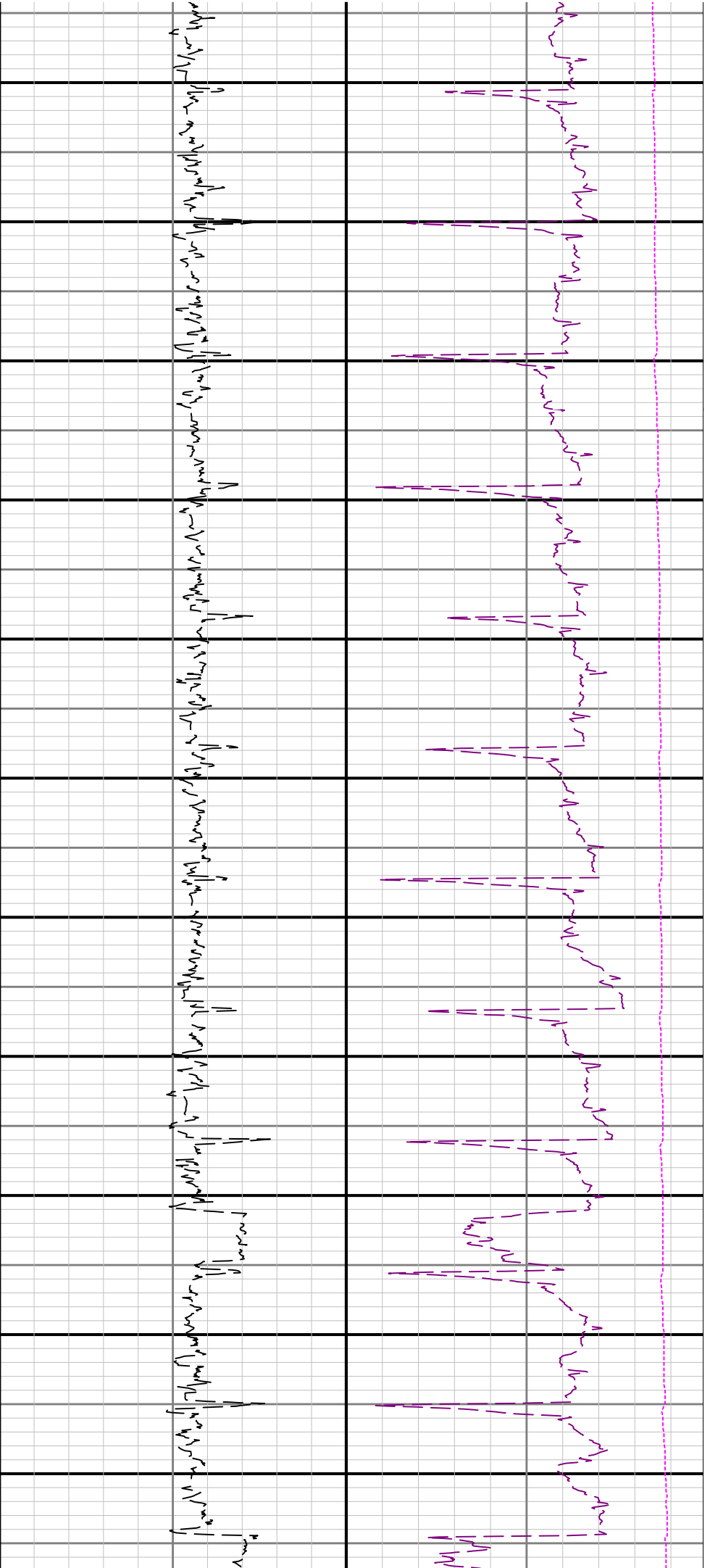
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