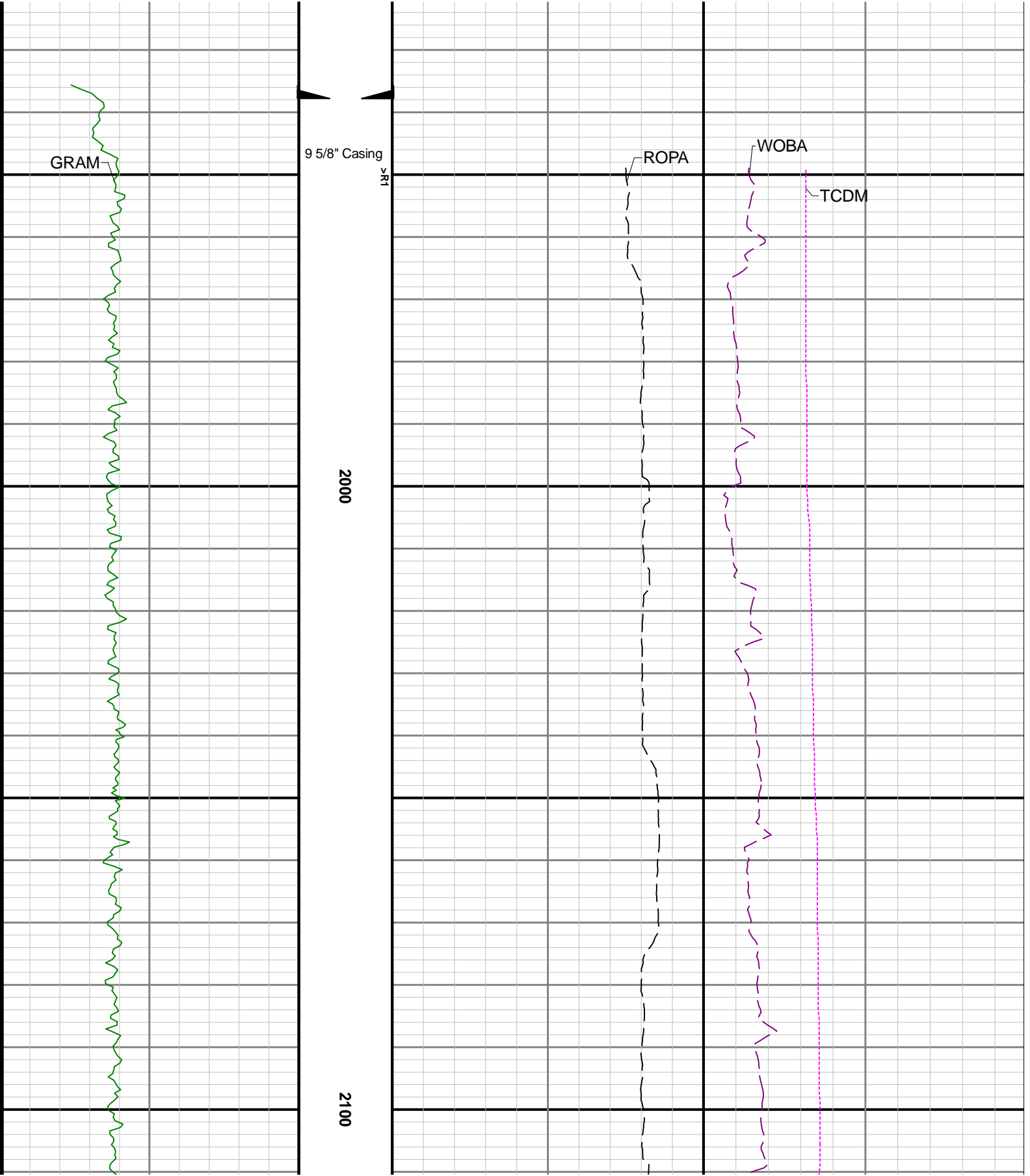




Andrew Hays	2020-02-14	2020-02-17	Tien Bui	2020-02-17	2020-02-21						
Mud Properties Record											
Date / Time	Run No.	Depth (ft)	Mud Type	Density (ppg)	Viscosity (cP)	pH	Fluid Loss (cm3)	Oil / Water	Source	Total Chlorides (ppm)	K+ (%)
2020-02-15 13:54	1	1948.00	Oil Based Mud	9.6	15	N/A	21.0	76/24	Active Pit	26500	0.00
2020-02-18 10:40	1	10009.00	Oil Based Mud	9.7	12	N/A	17.4	79.5/20.5	Active Pit	29000	0.00
2020-02-19 20:55	2	15497.00	Oil Based Mud	9.7	12	N/A	17.4	79.5/20.5	Active Pit	29000	0.00
2020-02-20 07:17	2	15845.00	Oil Based Mud	9.8	15	N/A	20.0	79.8/20.2	Active Pit	26000	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	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							
Curve Mnemonics											
Presented Curves			Description	Units							
ROPA			Depth Averaged ROP 3 ft Average	ft/h							
WOBA			Weight On Bit 1 ft Average	klb							
GRAM			Gamma Ray - Apparent - Memory 0.5 ft Average	API							
TCDM			Directional Real-Time Survey Temperature	degF							
Gamma Ray - Apparent 0.5 ft Average GRAM				TVD 1:240 feet	Depth Averaged ROP 3 ft Average ROPA				Weight On Bit, Average 1 ft Average WOBA		
0 300					1000 0				0 50		
API					ft/h				klb		
									Downhole Temperature TCDM		
									0 300		
									degF		



GRAM

9 5/8" Casing

>RT

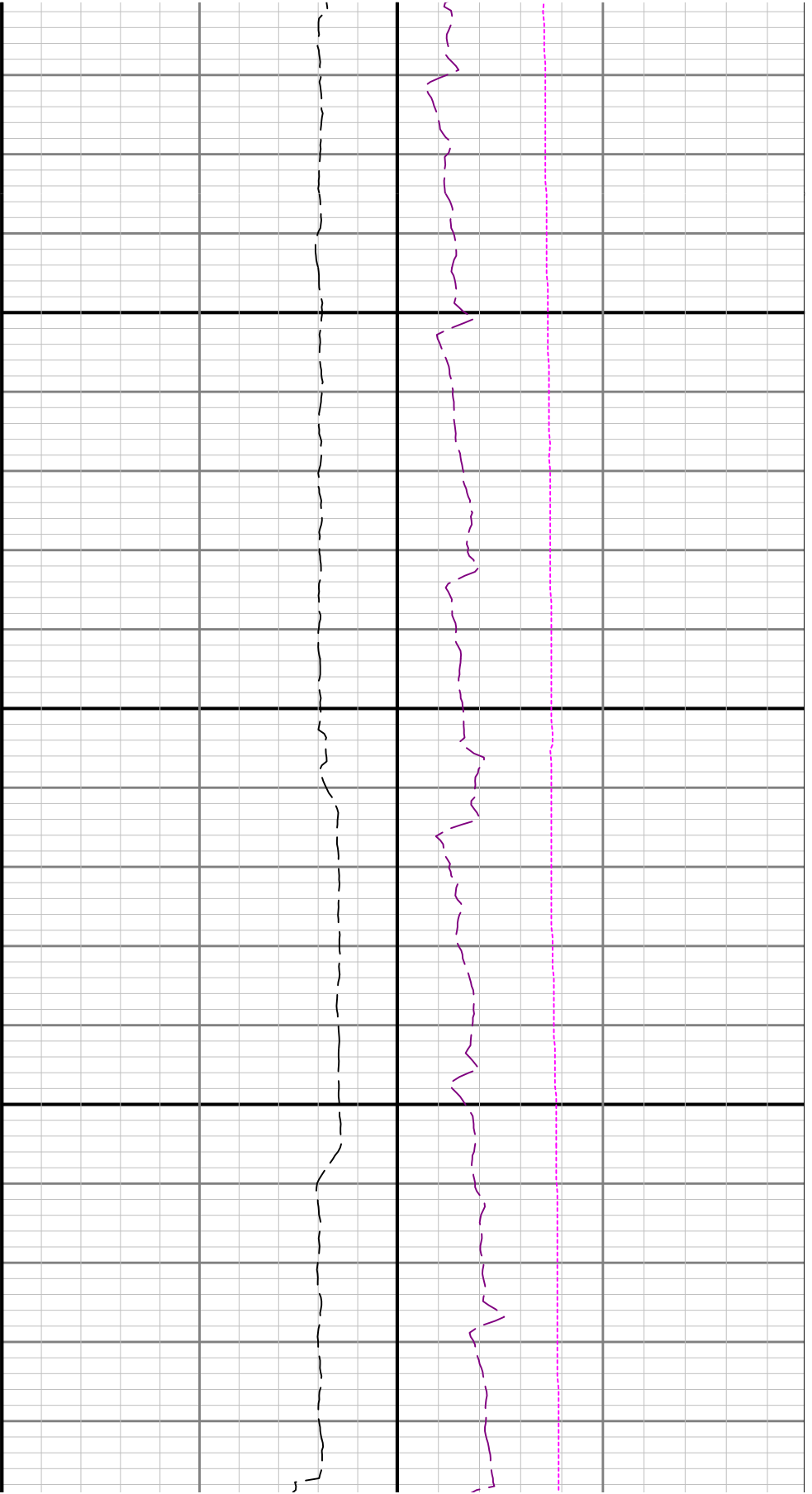
ROPA

WOBA

TCDM

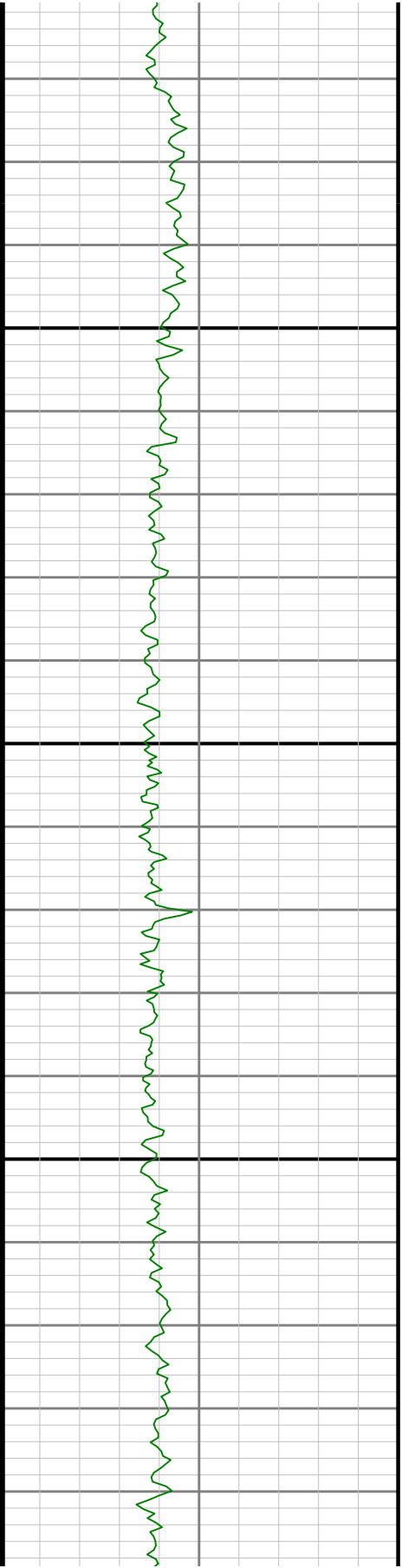
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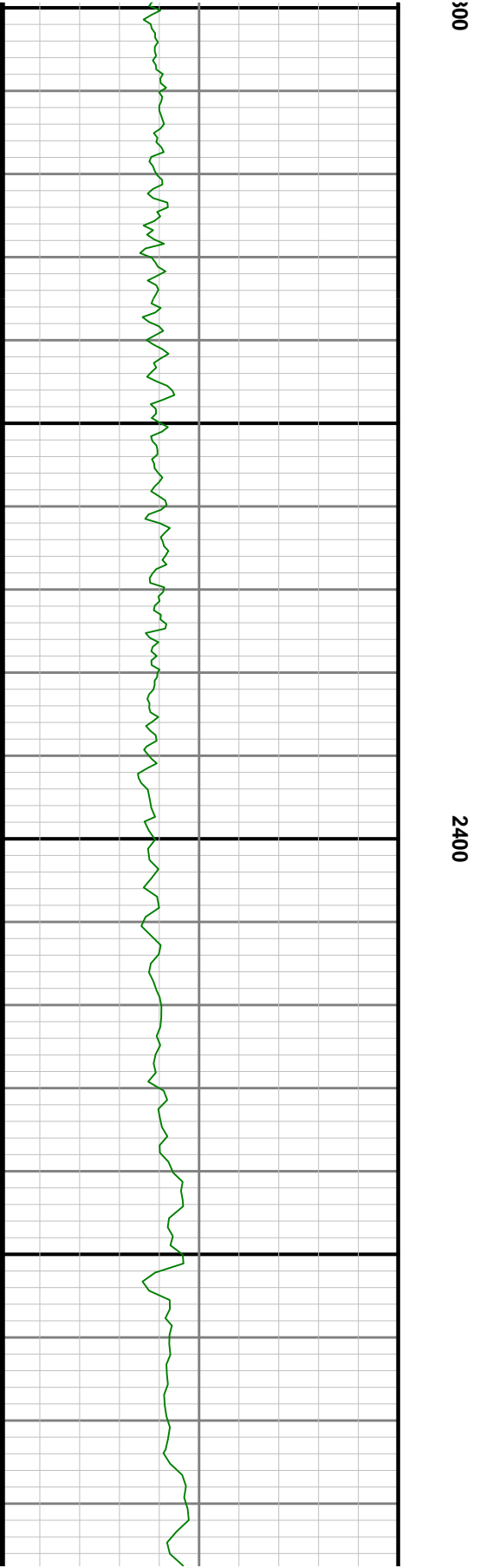
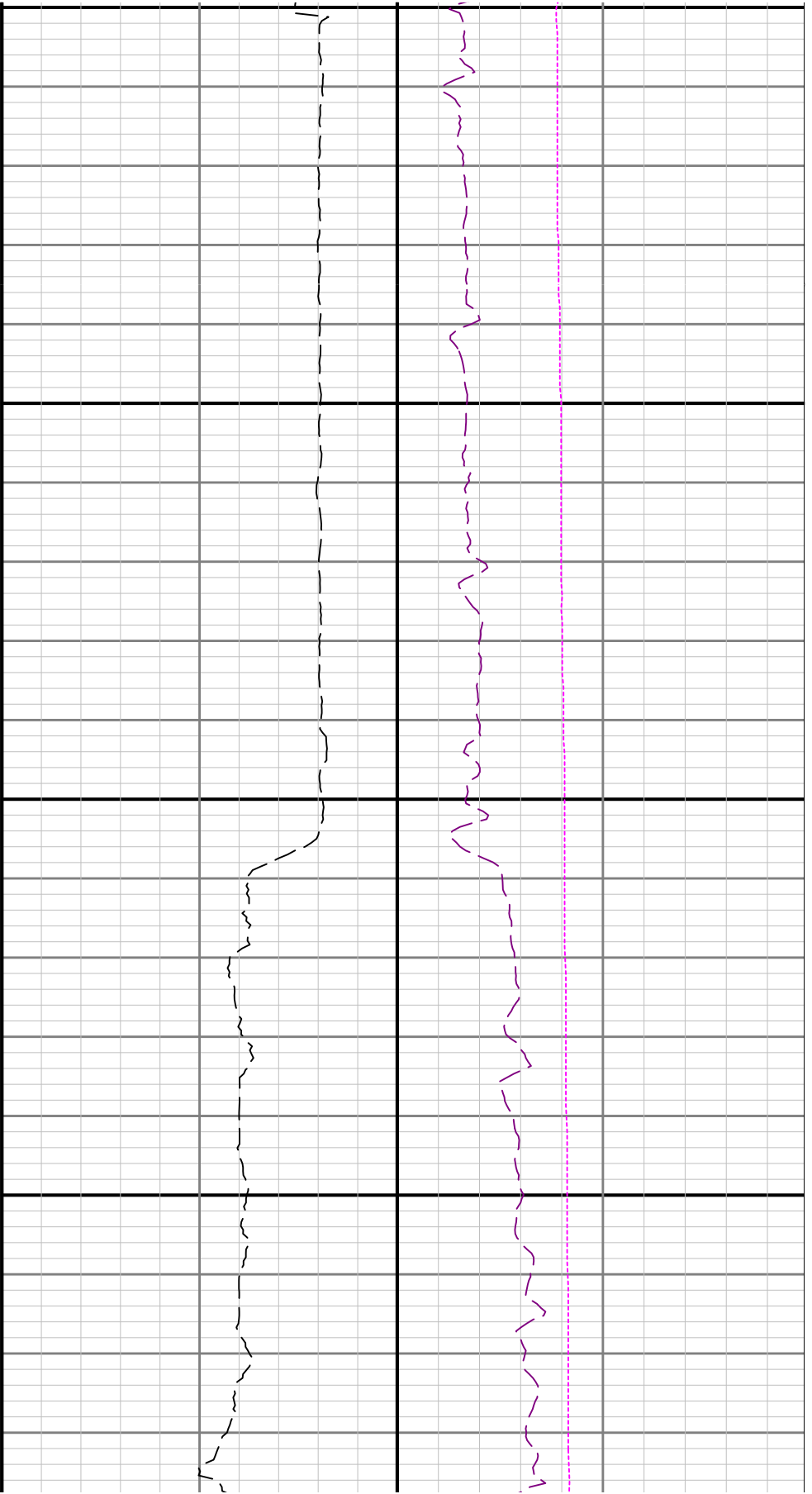
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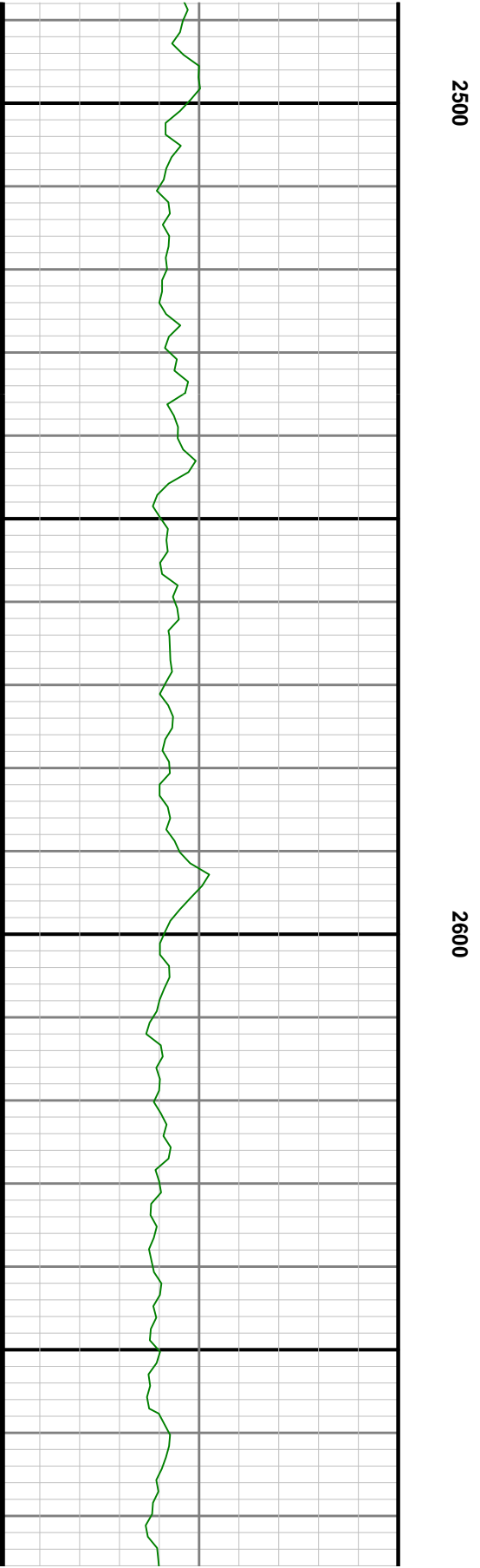


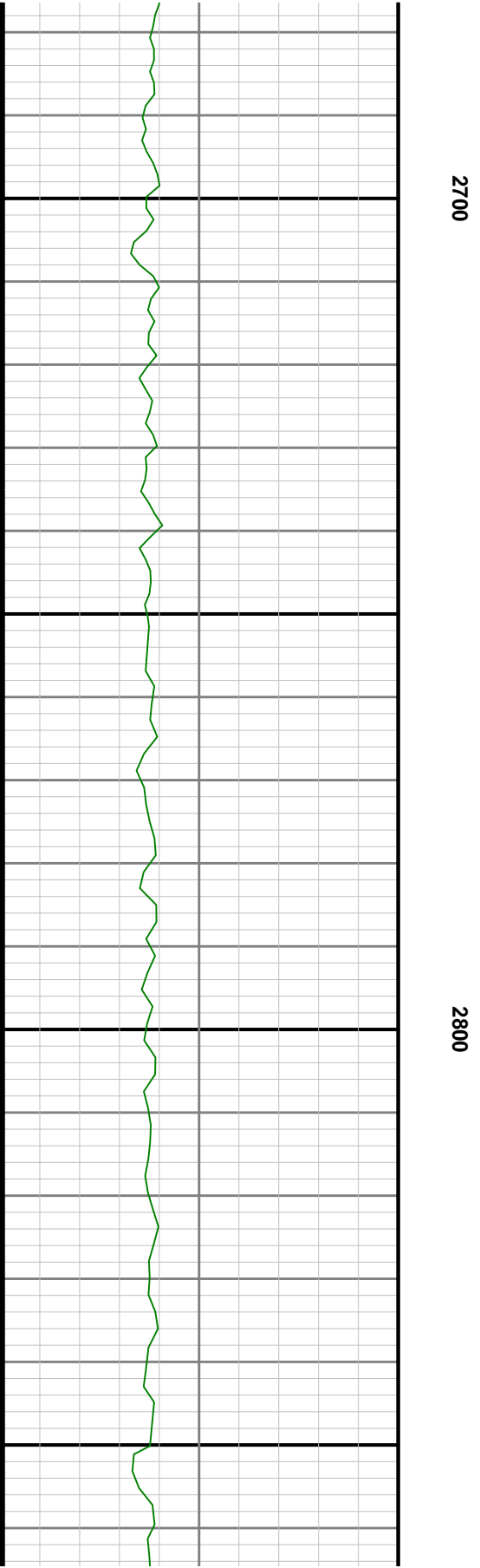
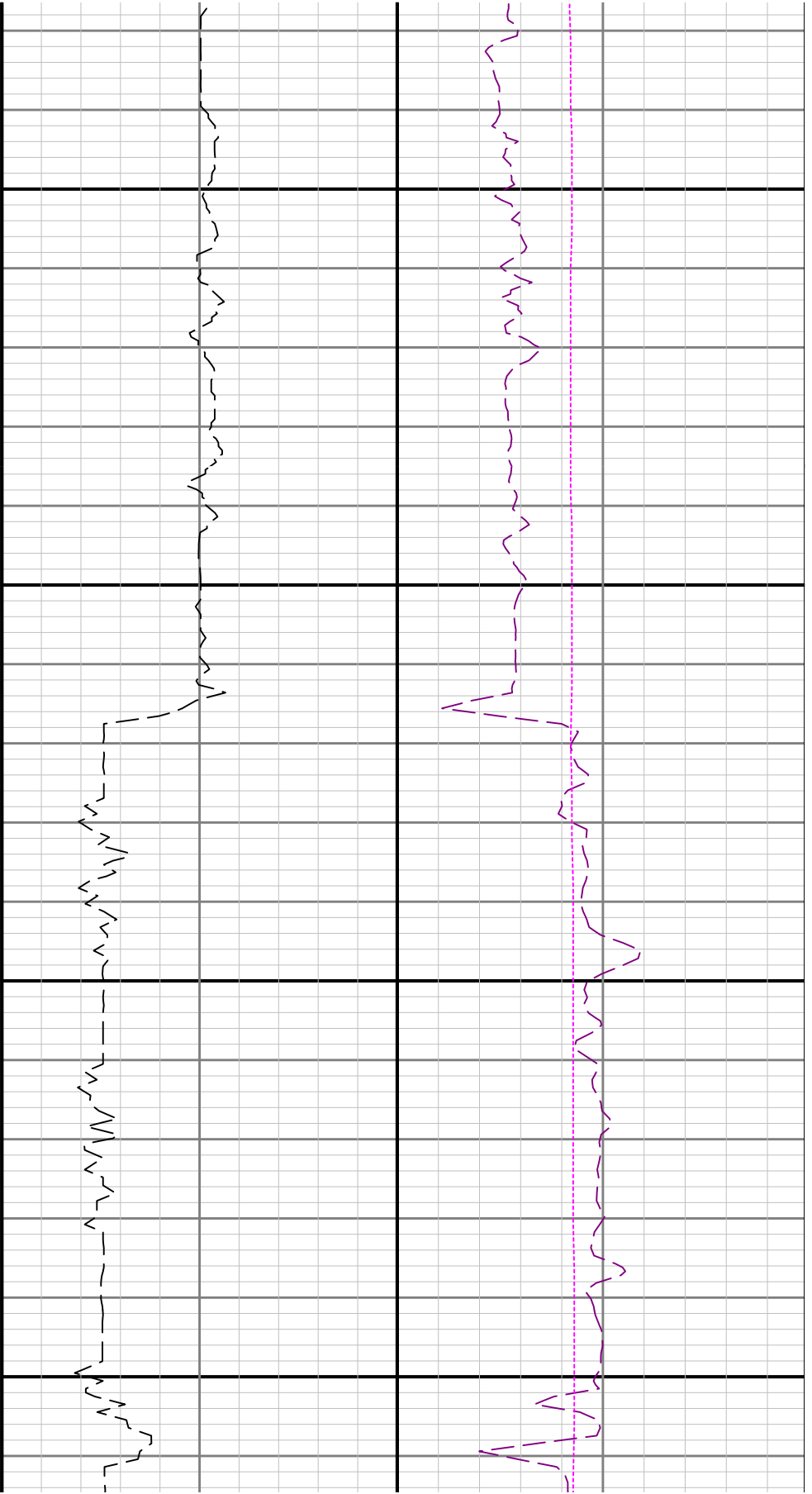
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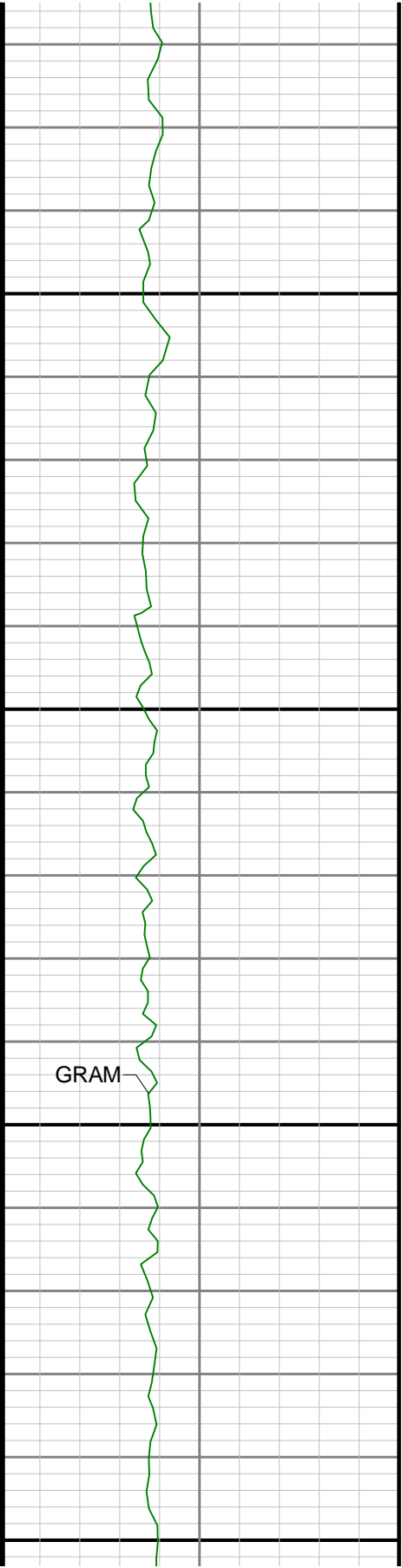
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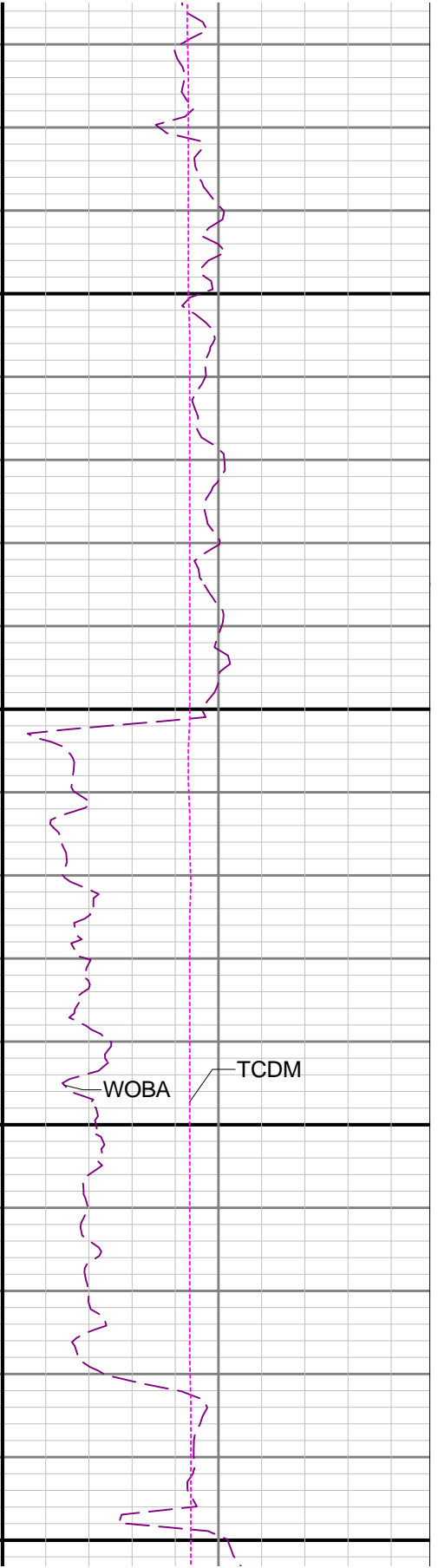
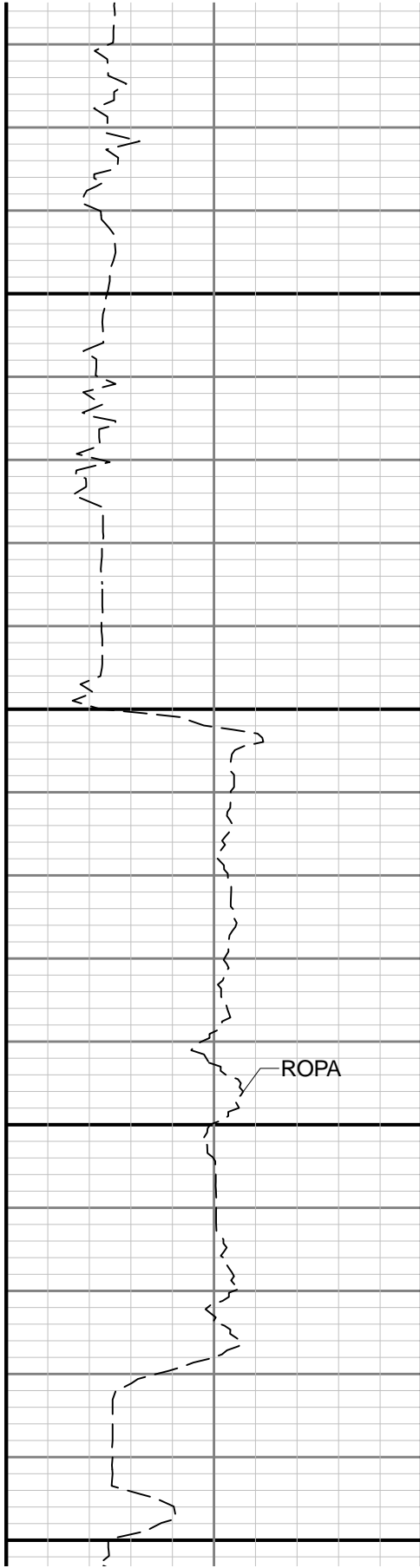


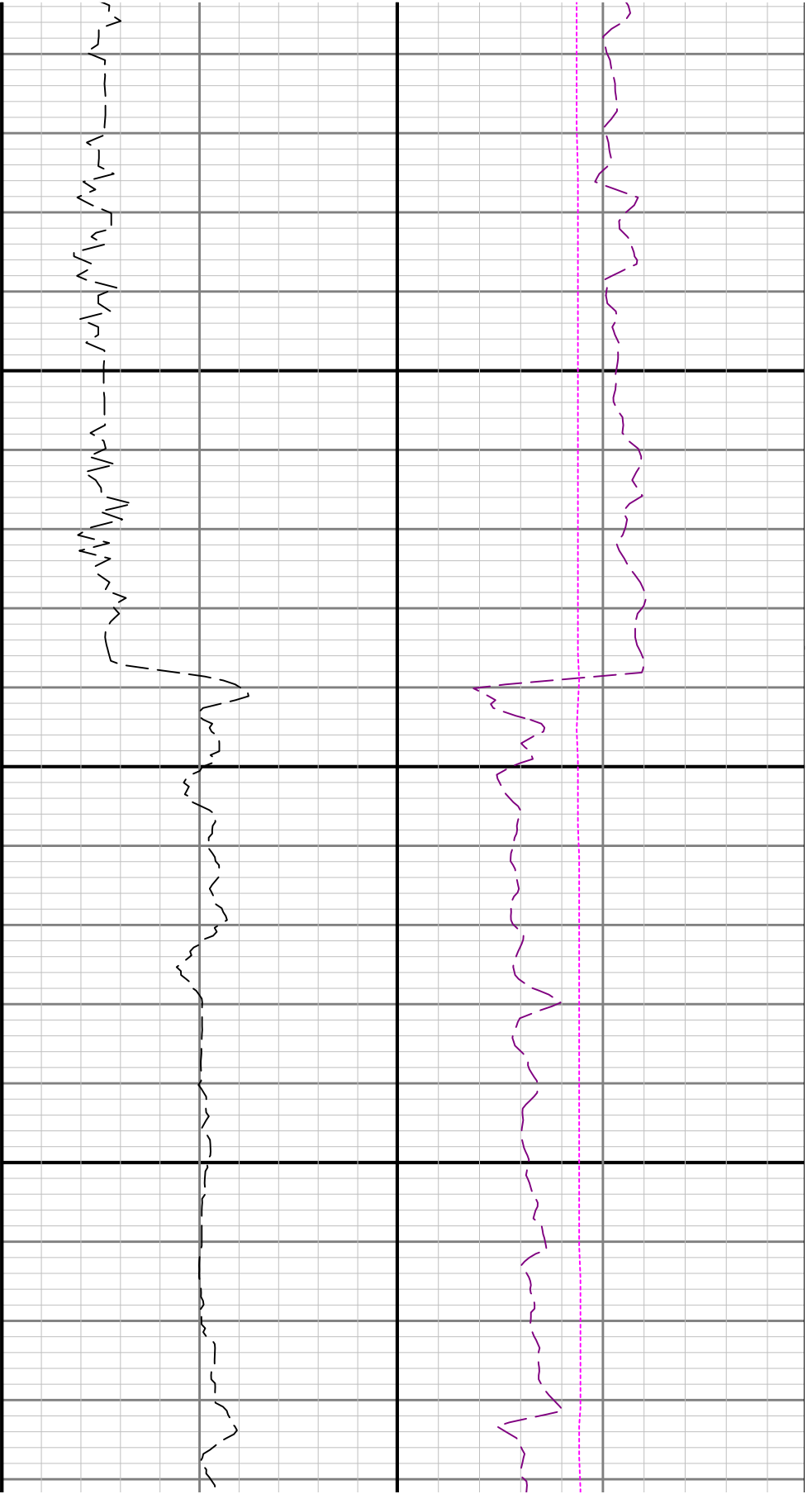




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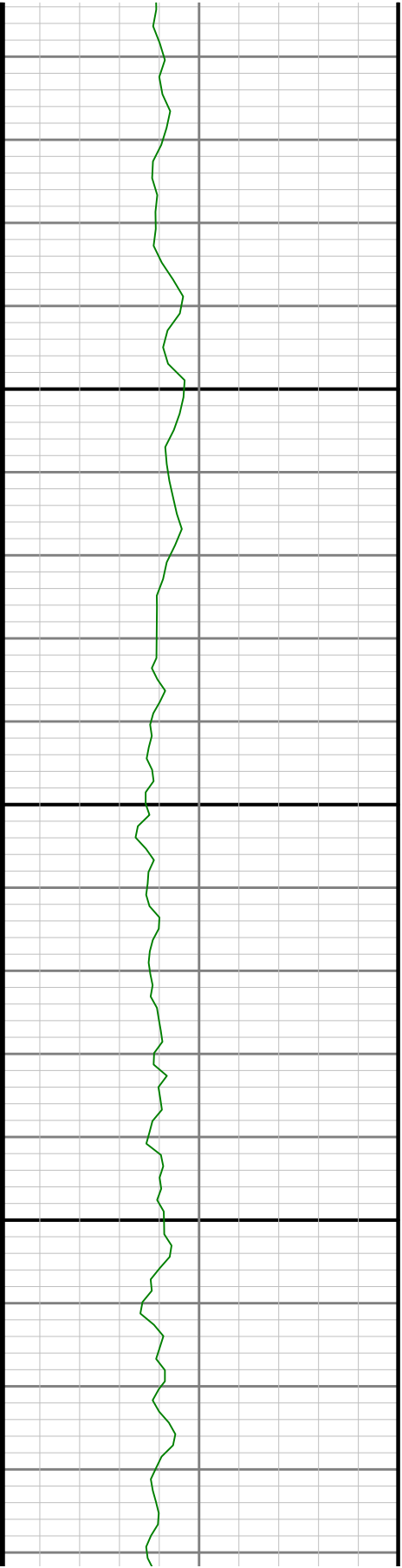
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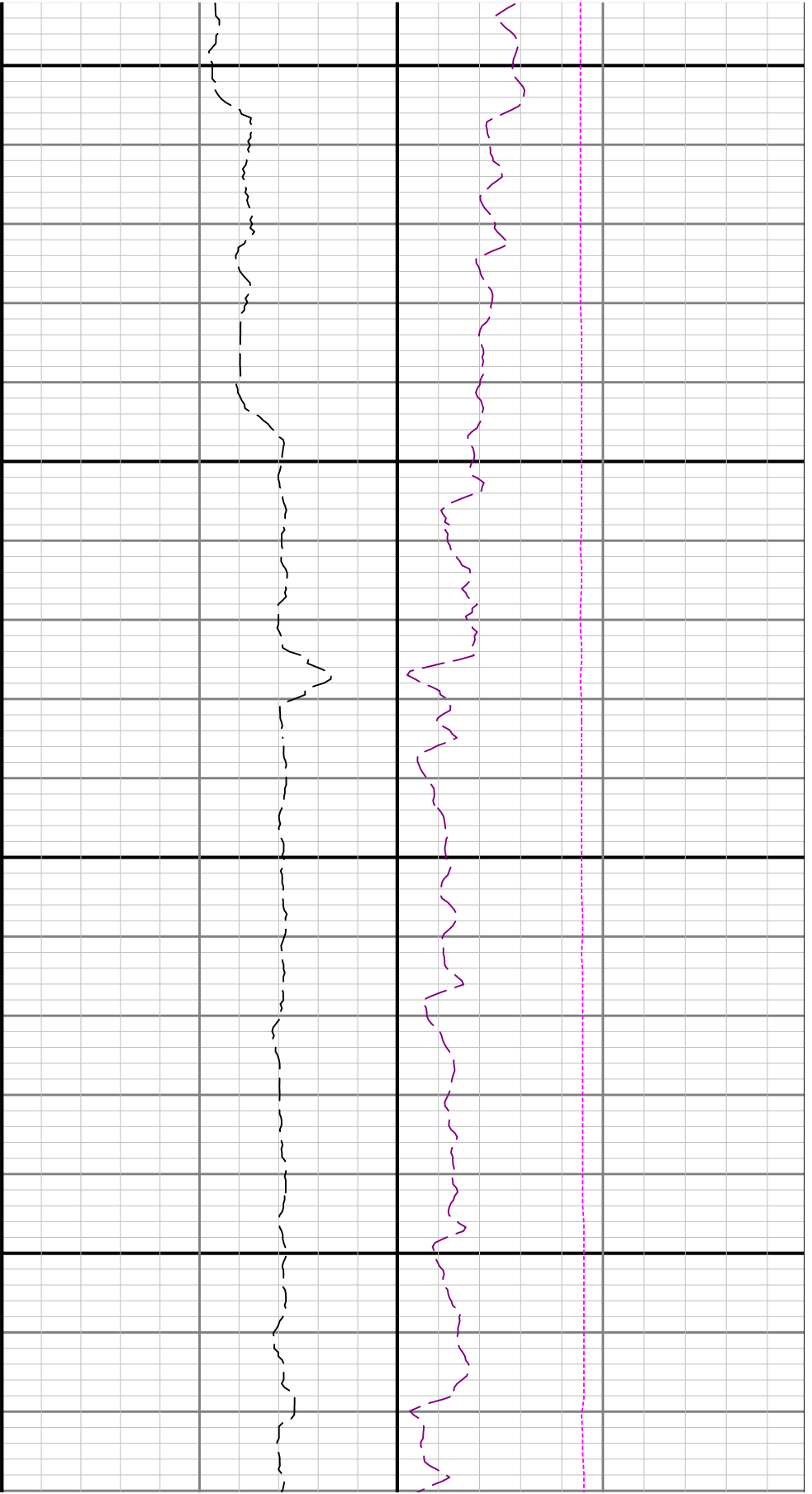


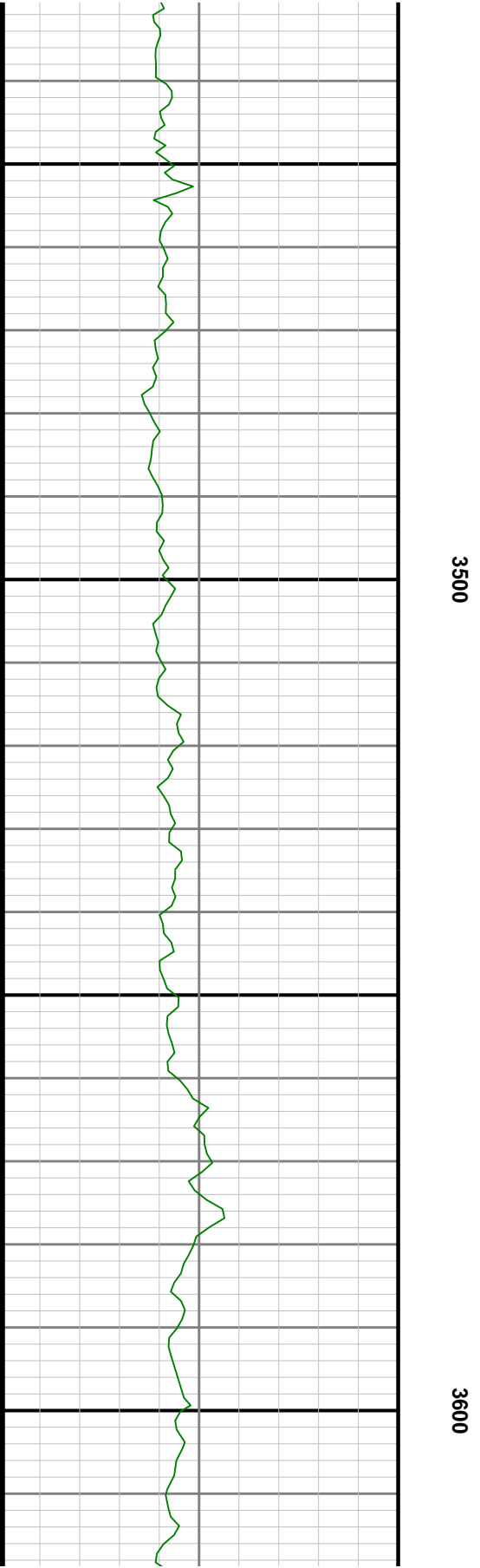
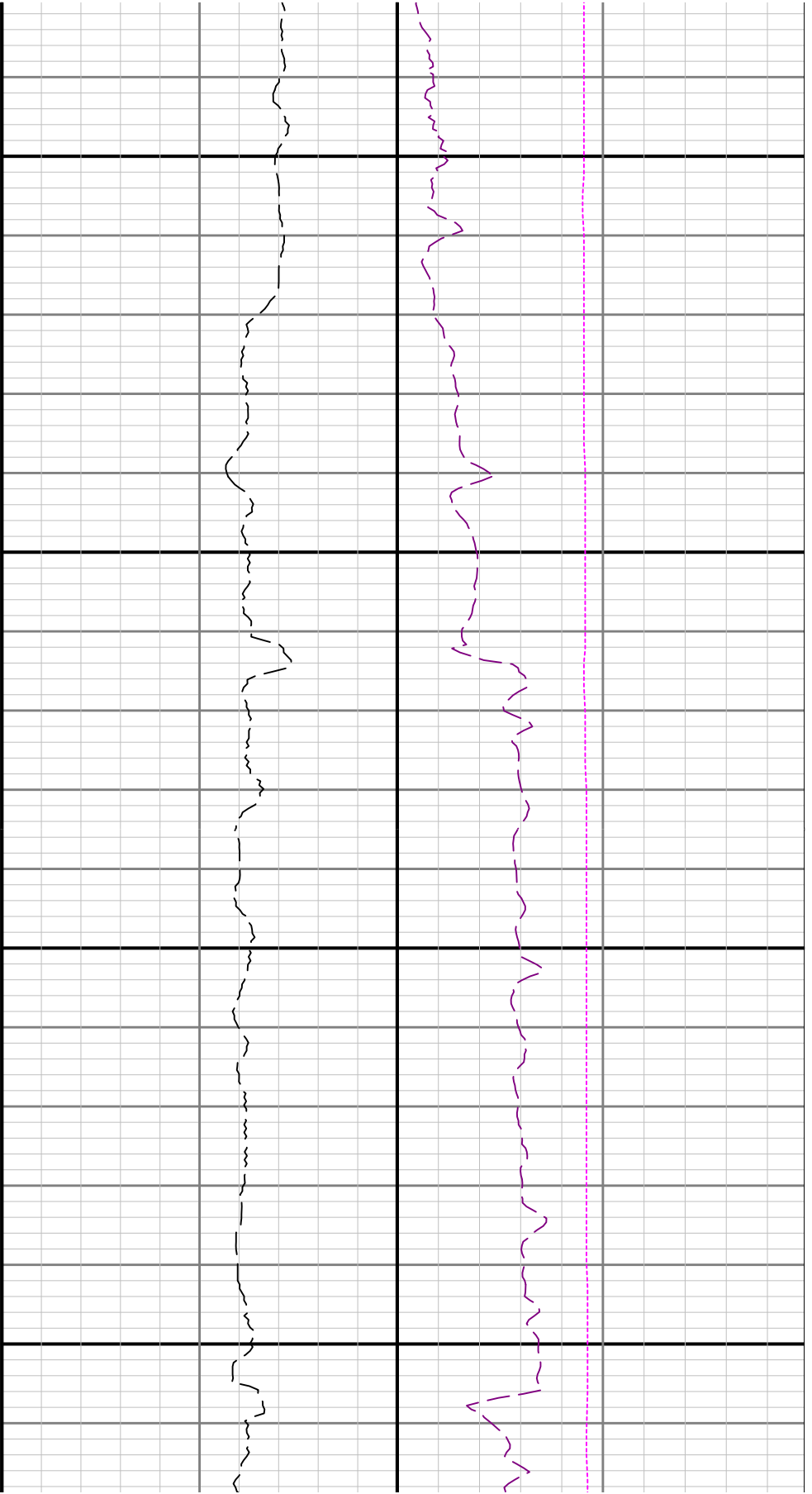


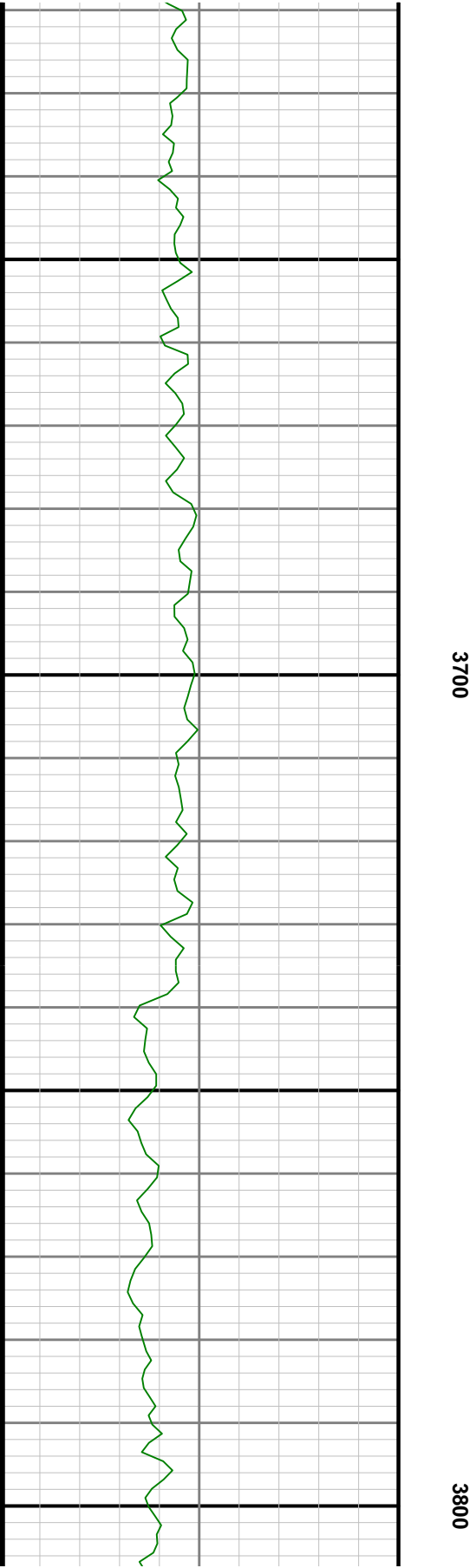
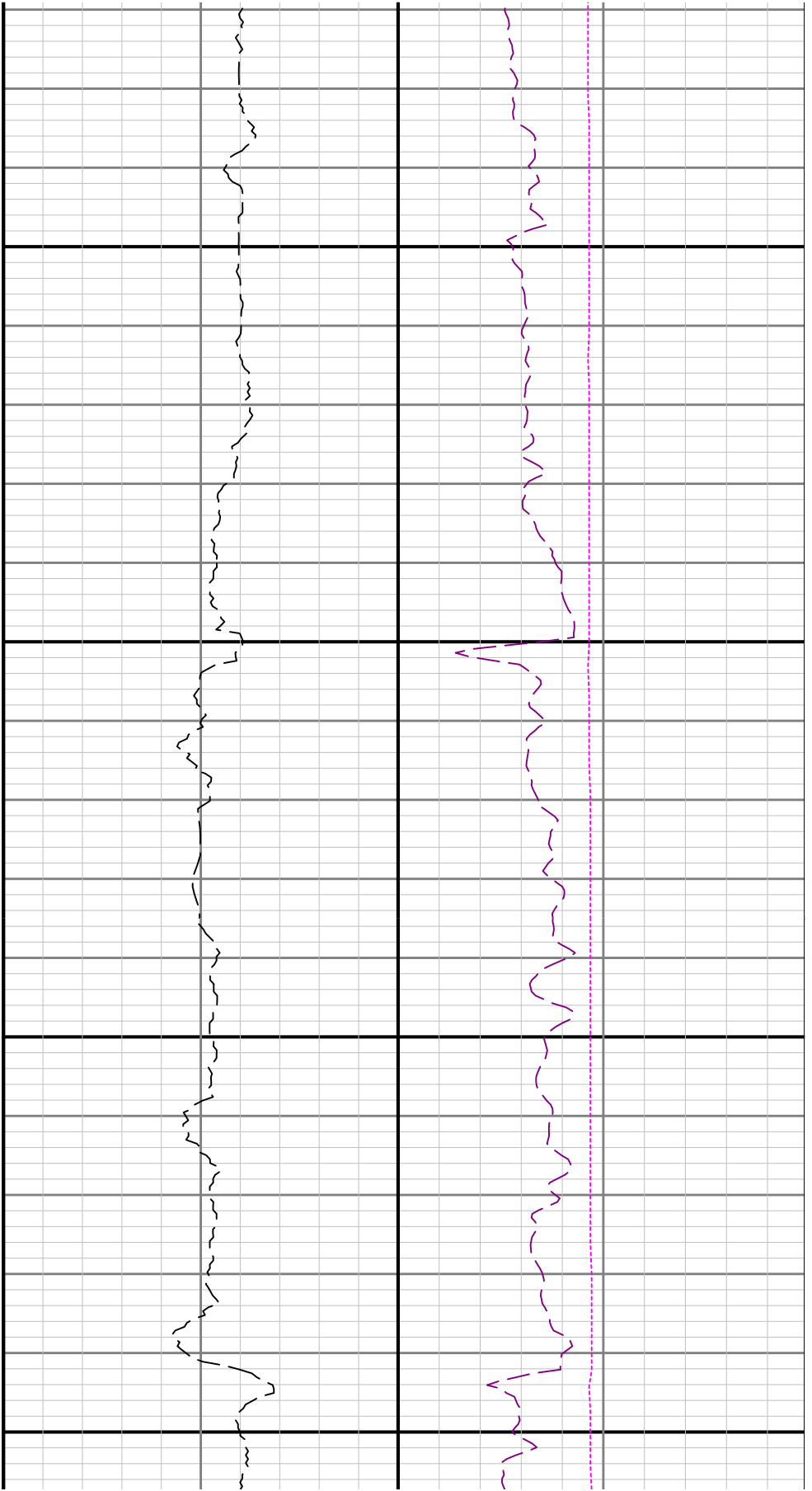
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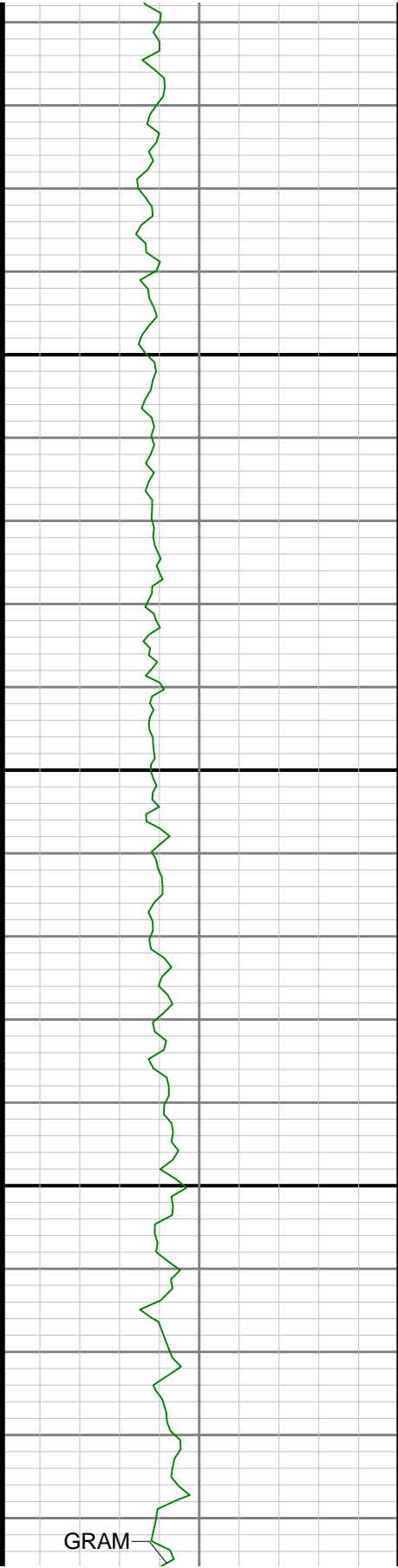
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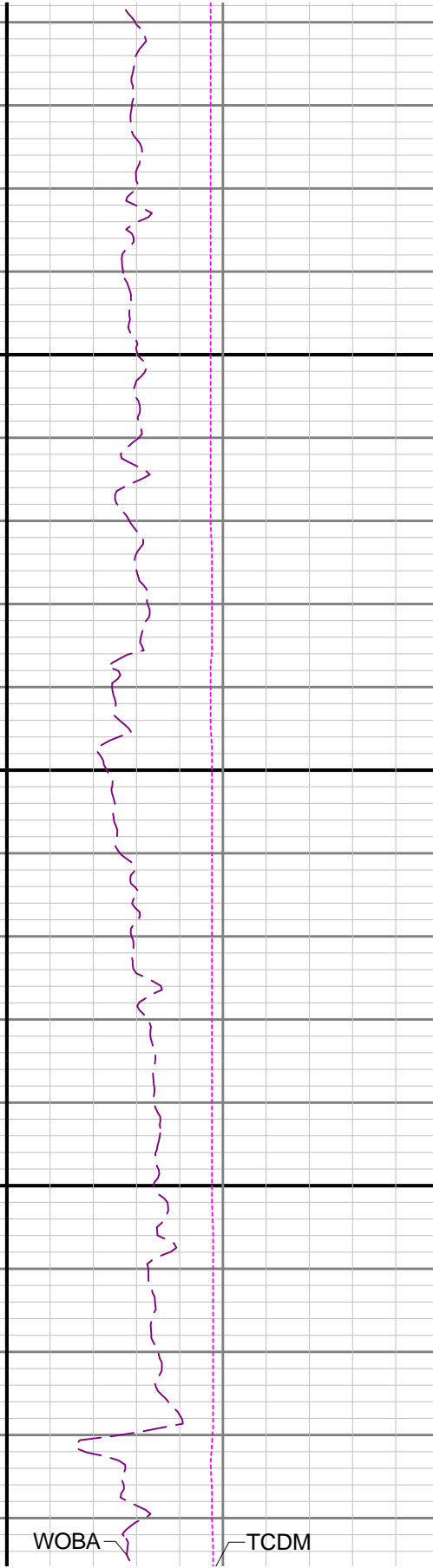
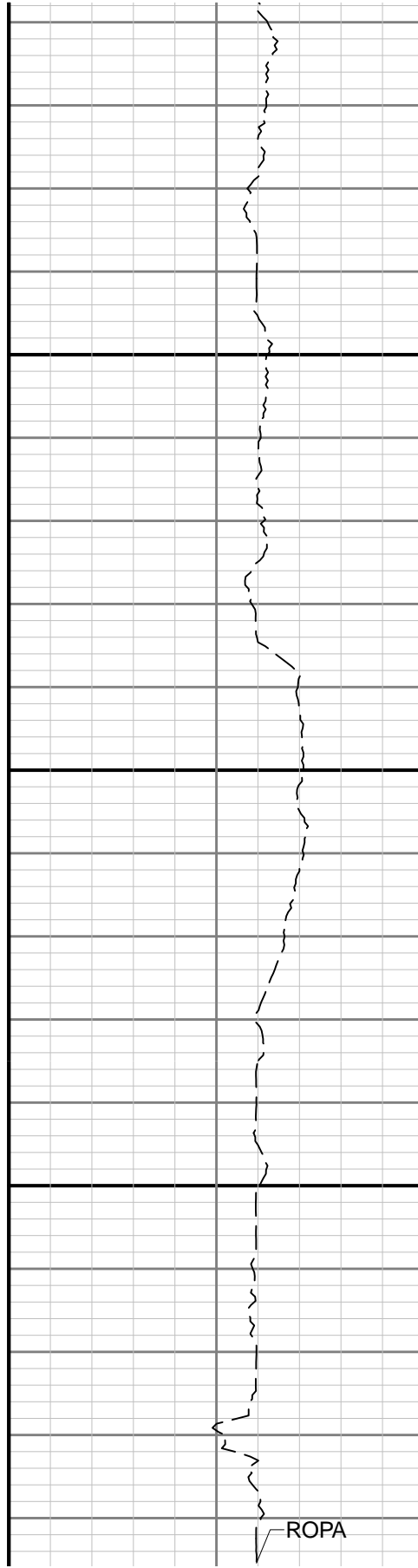


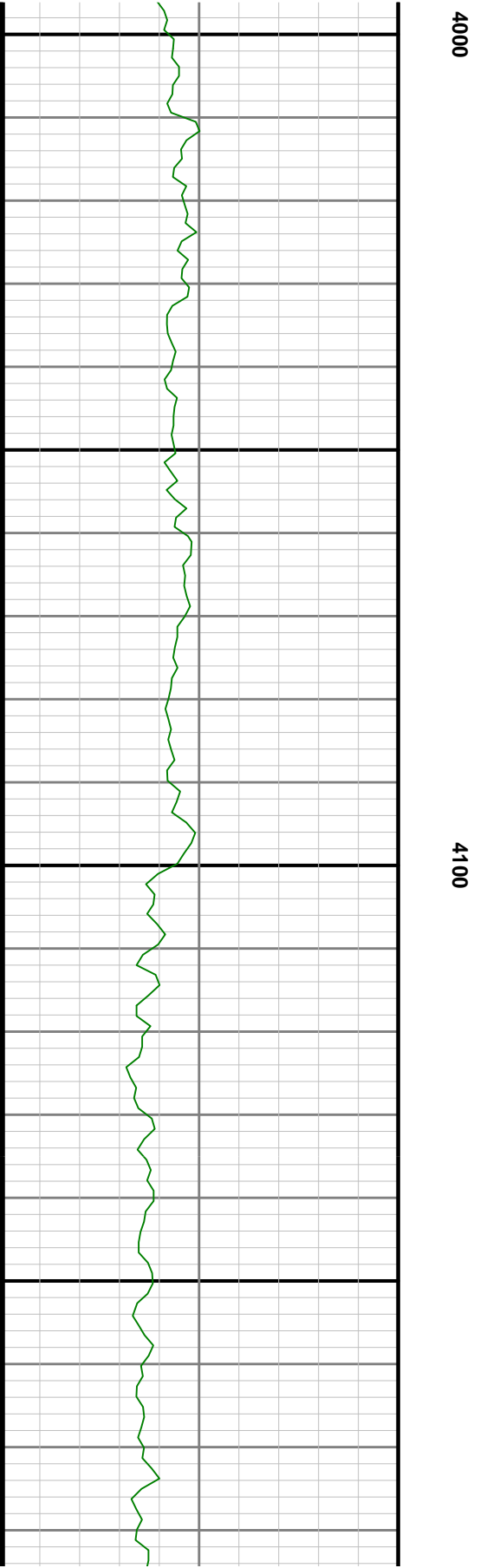
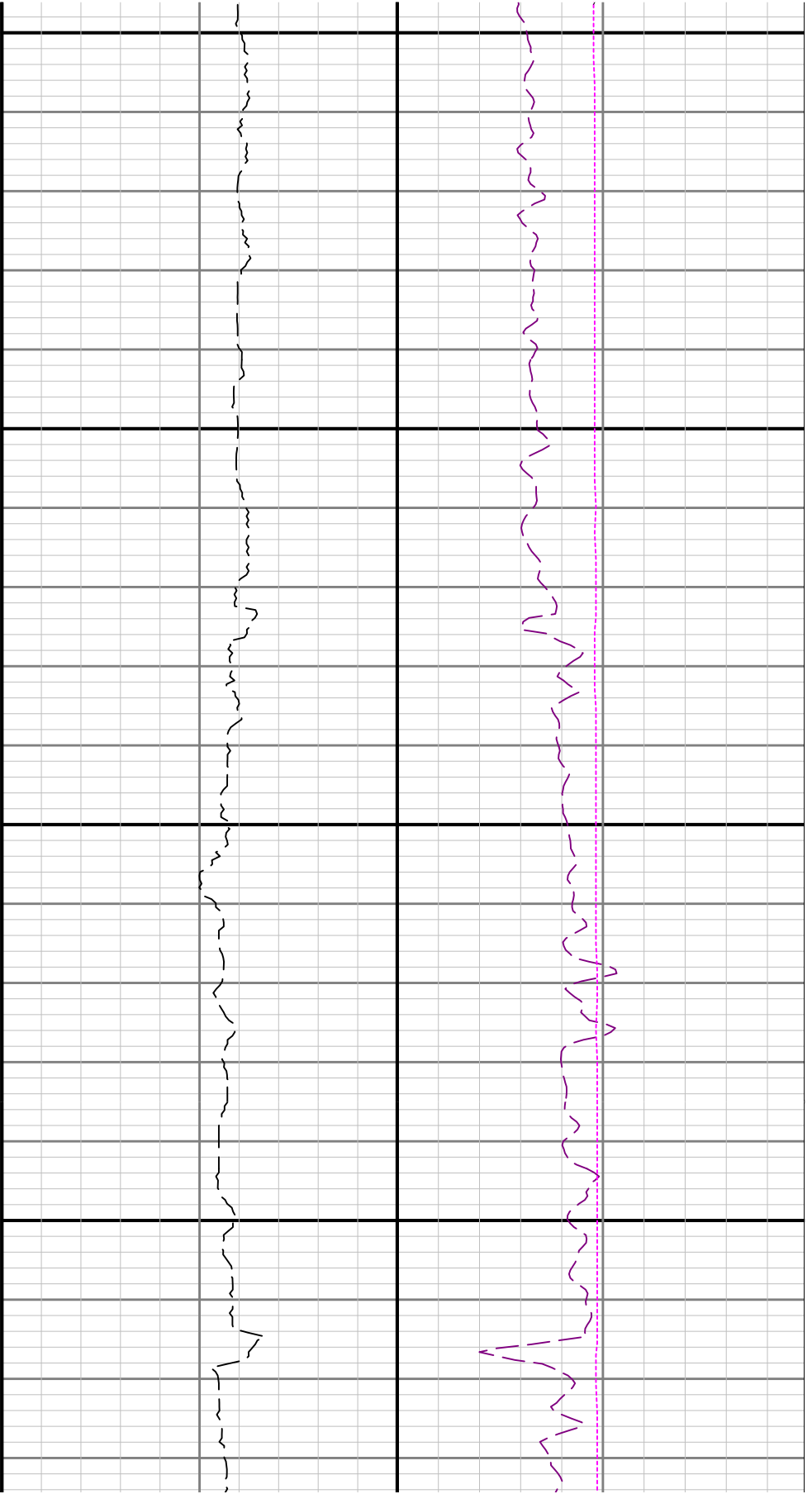






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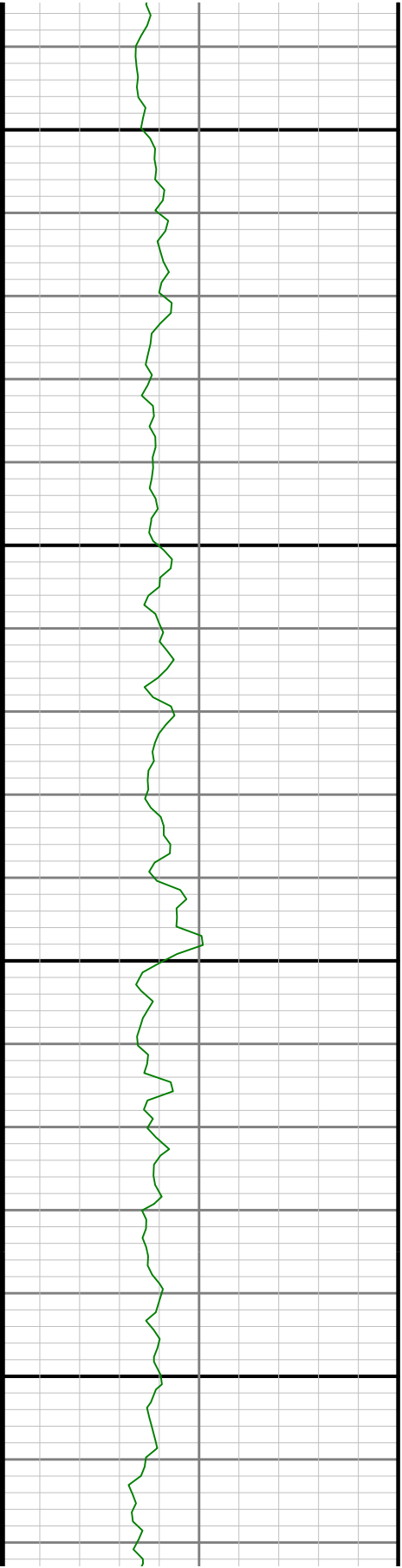


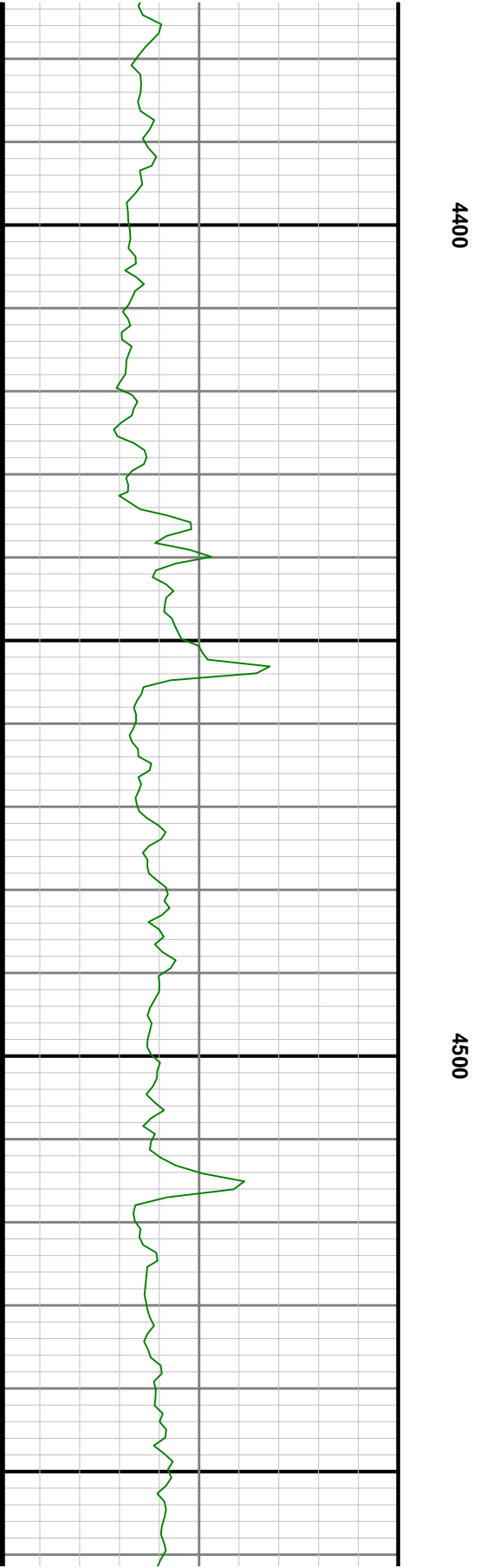
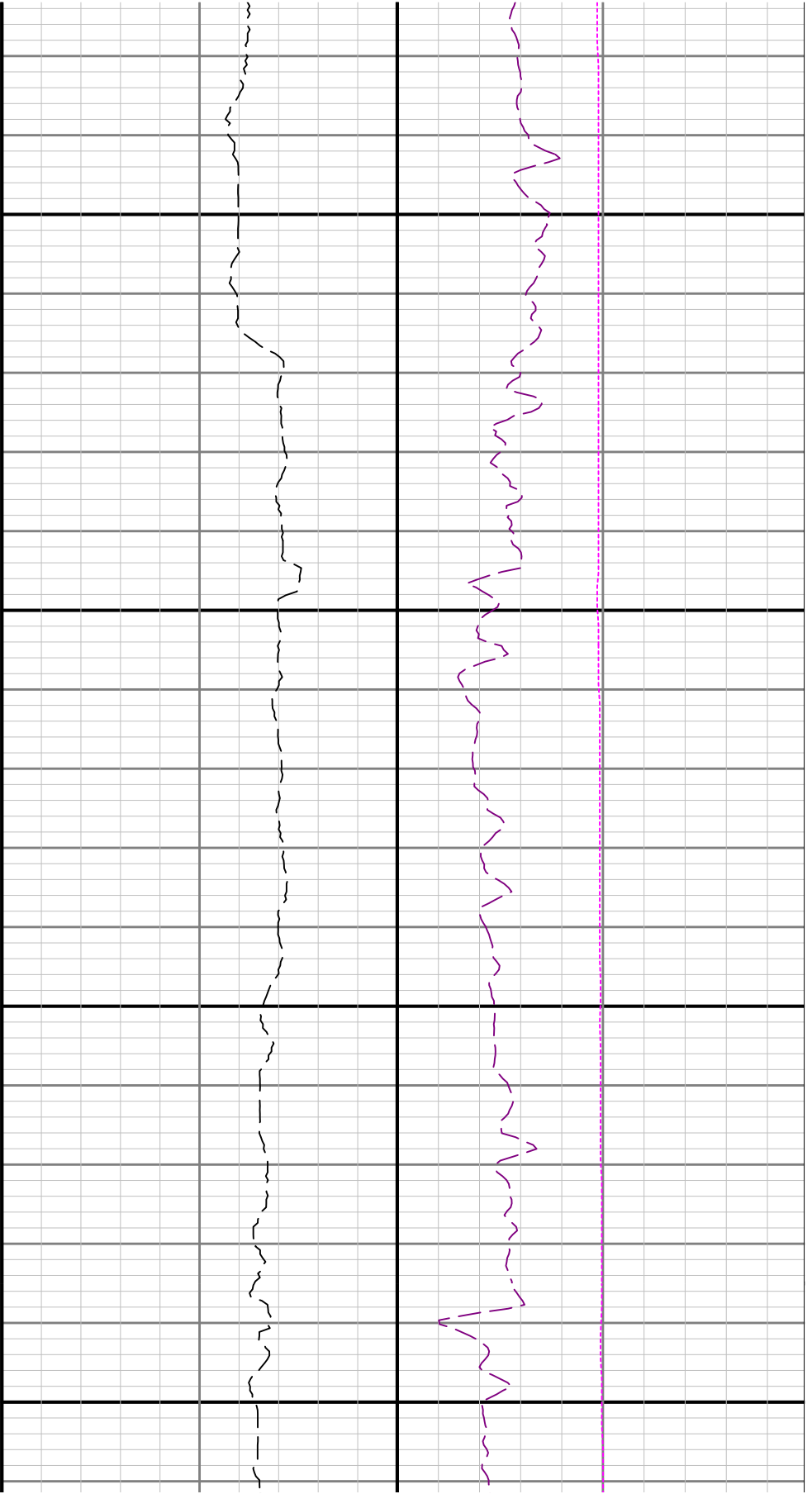


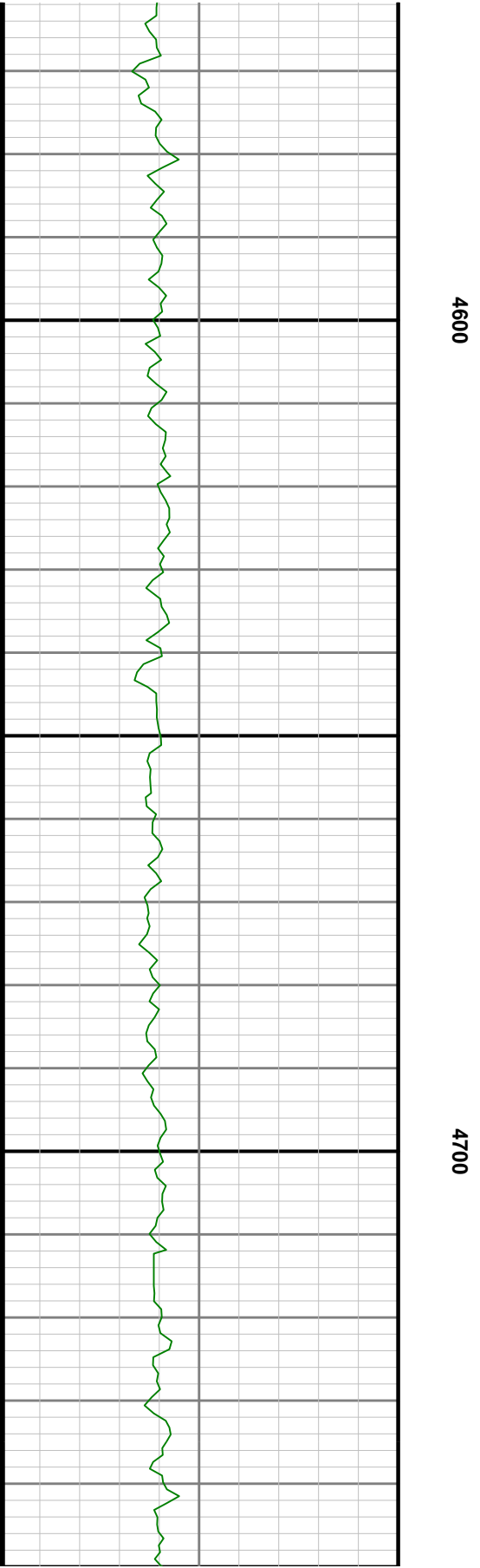
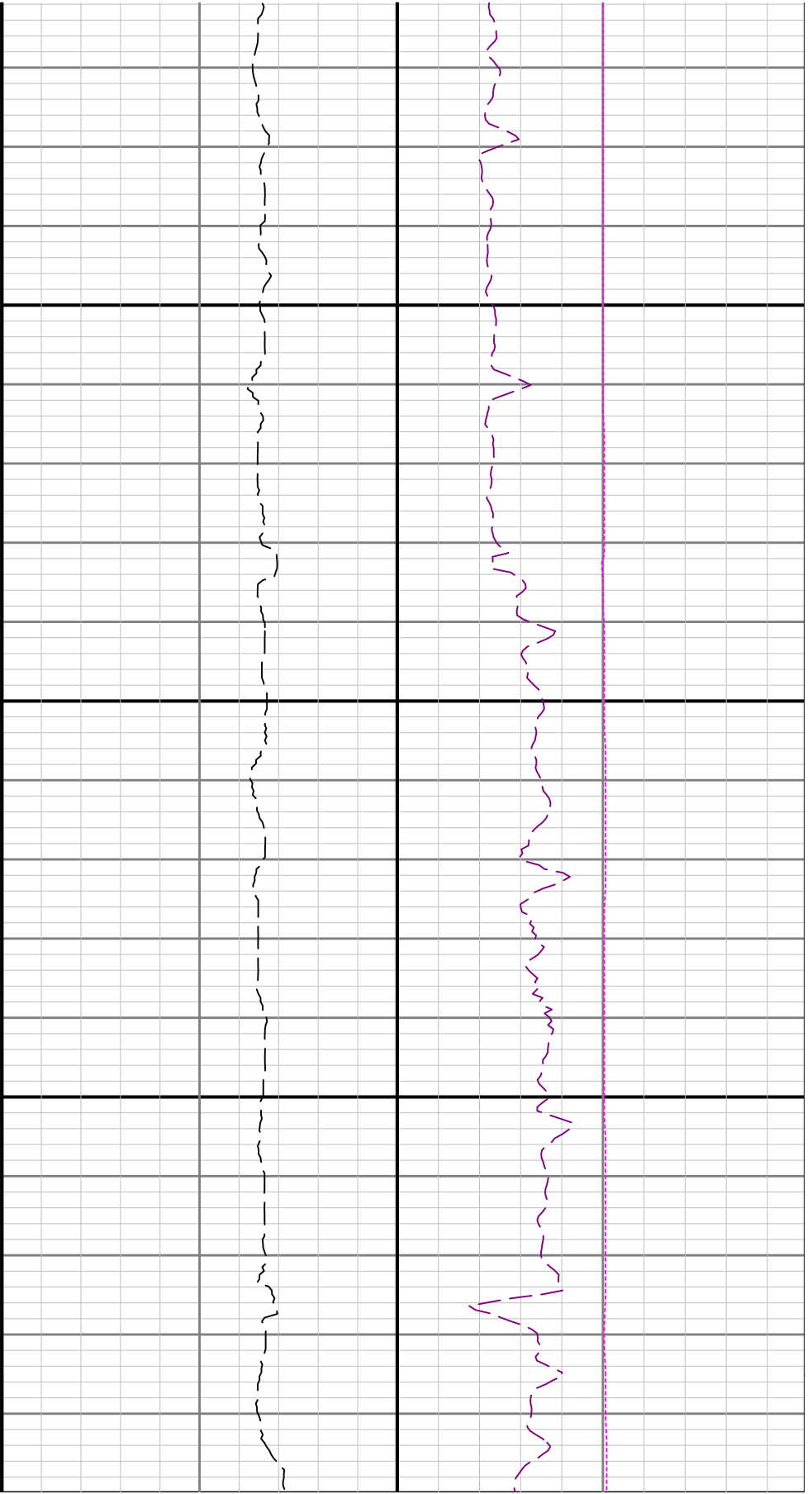


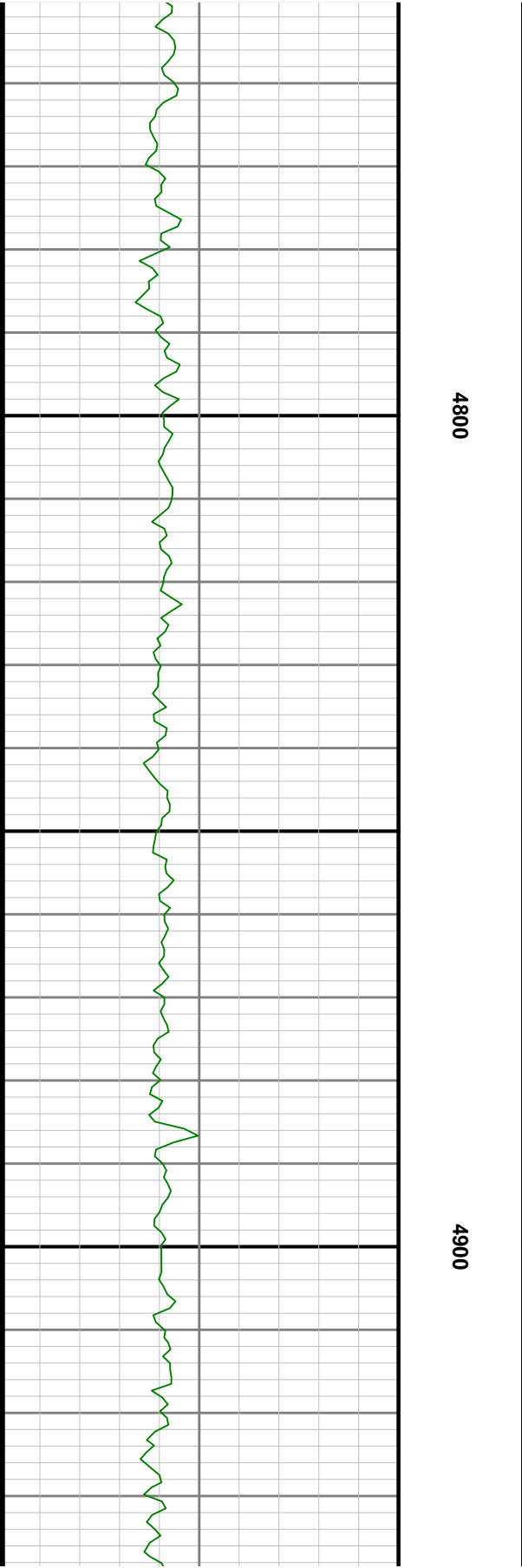
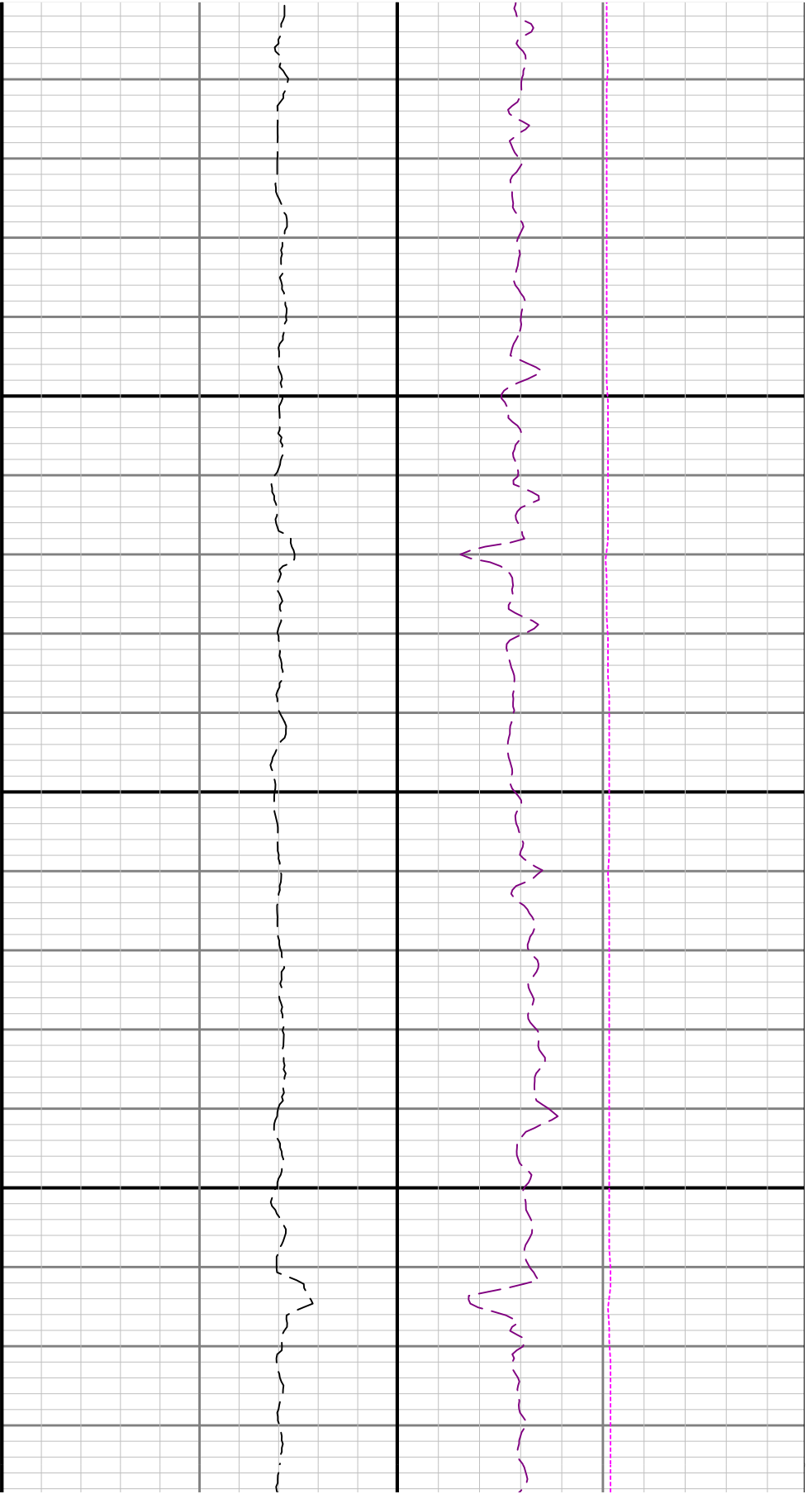
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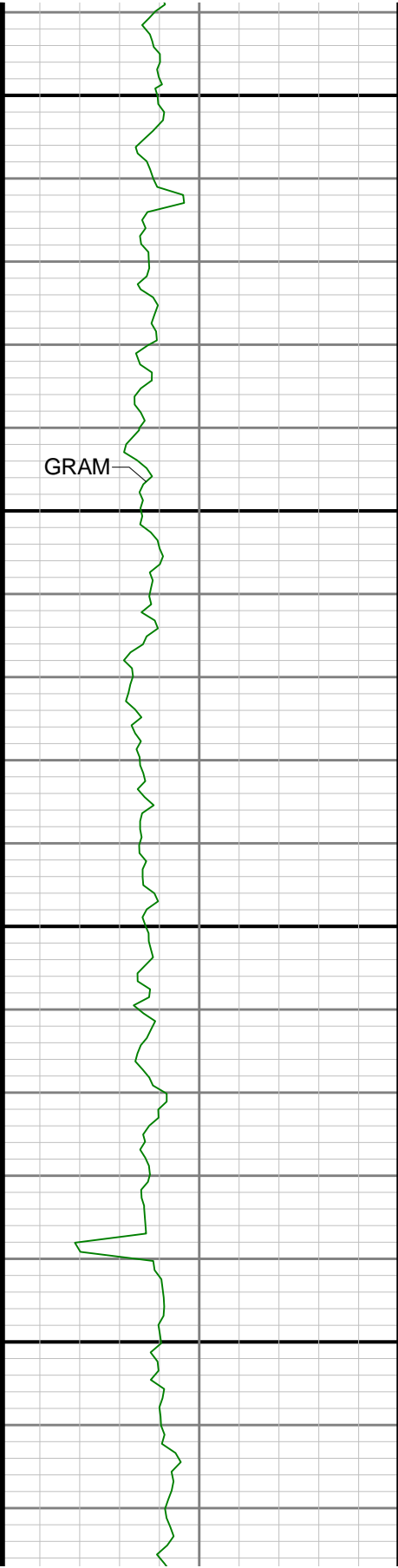
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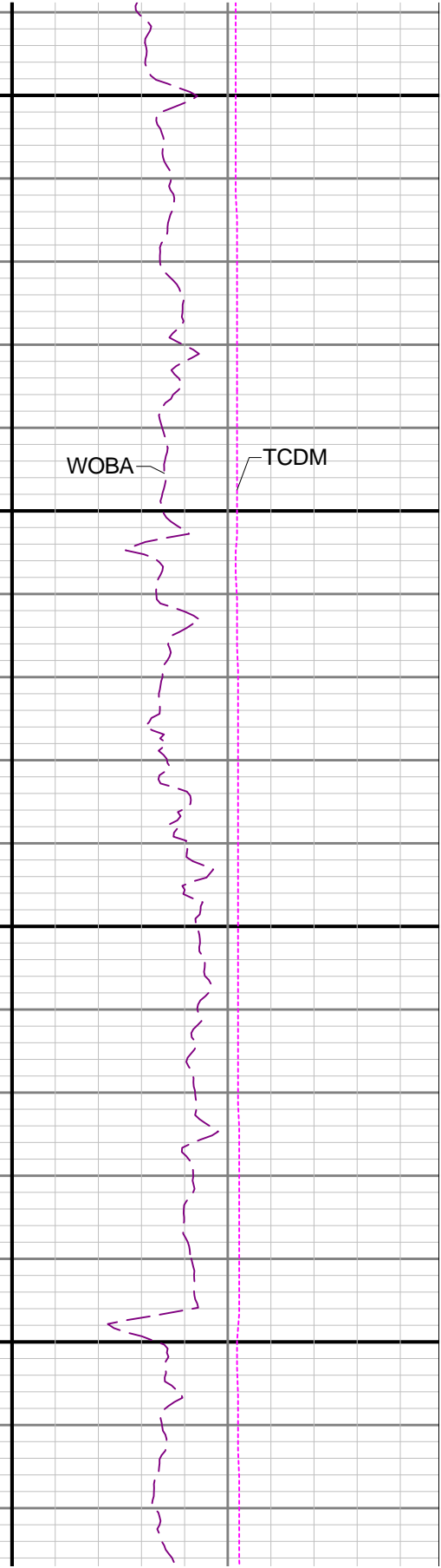
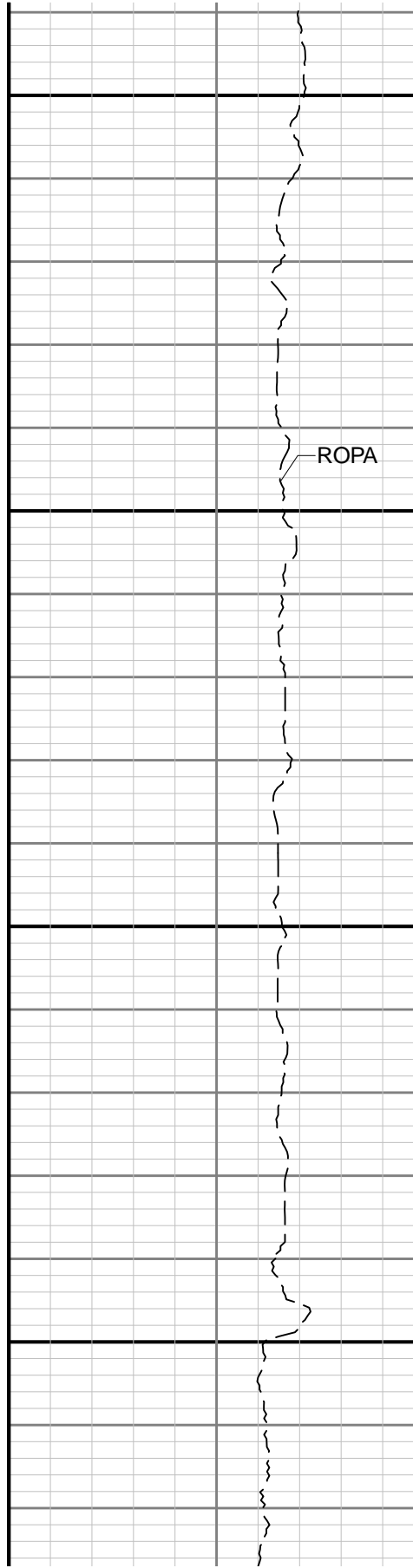


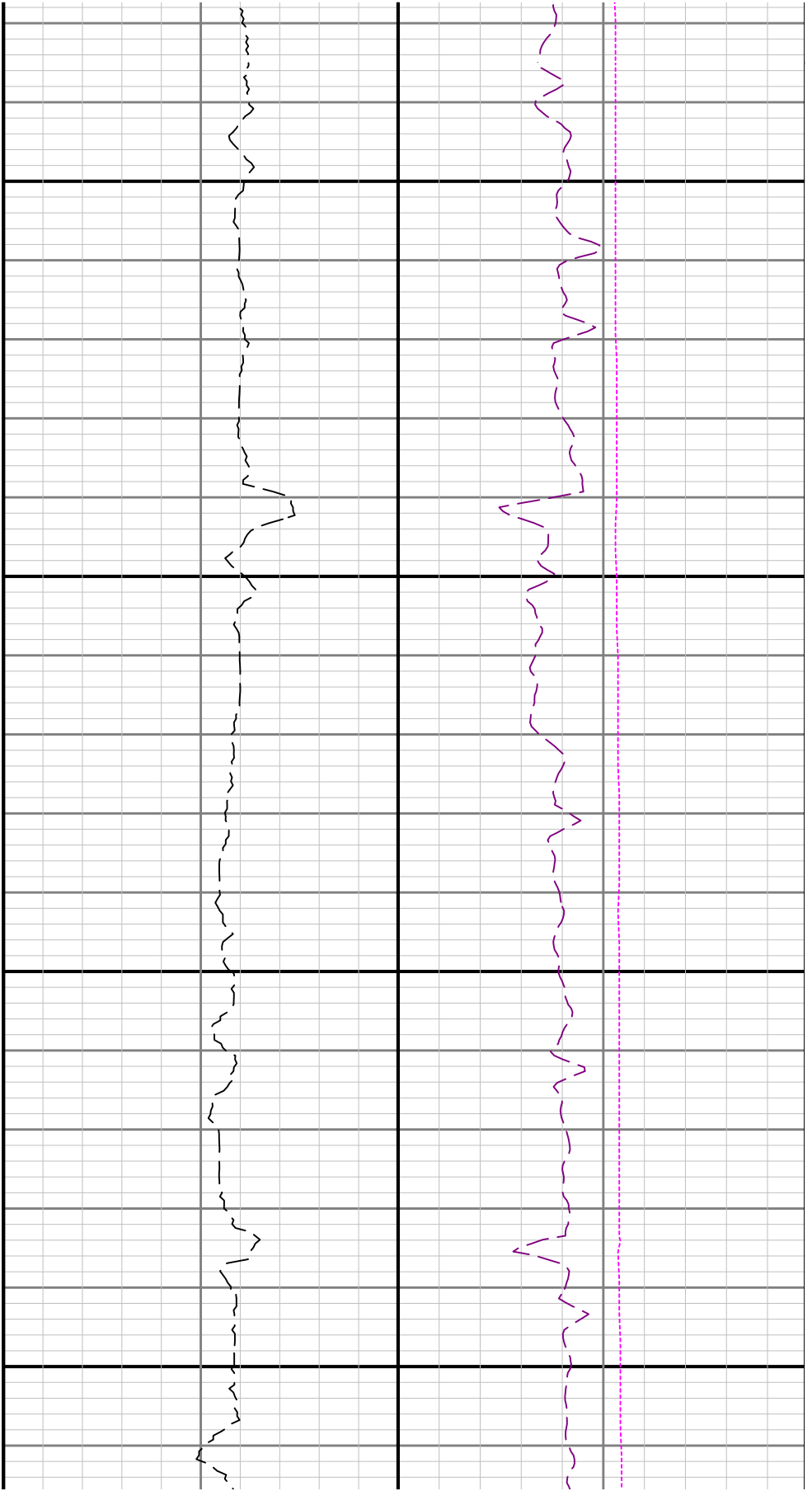




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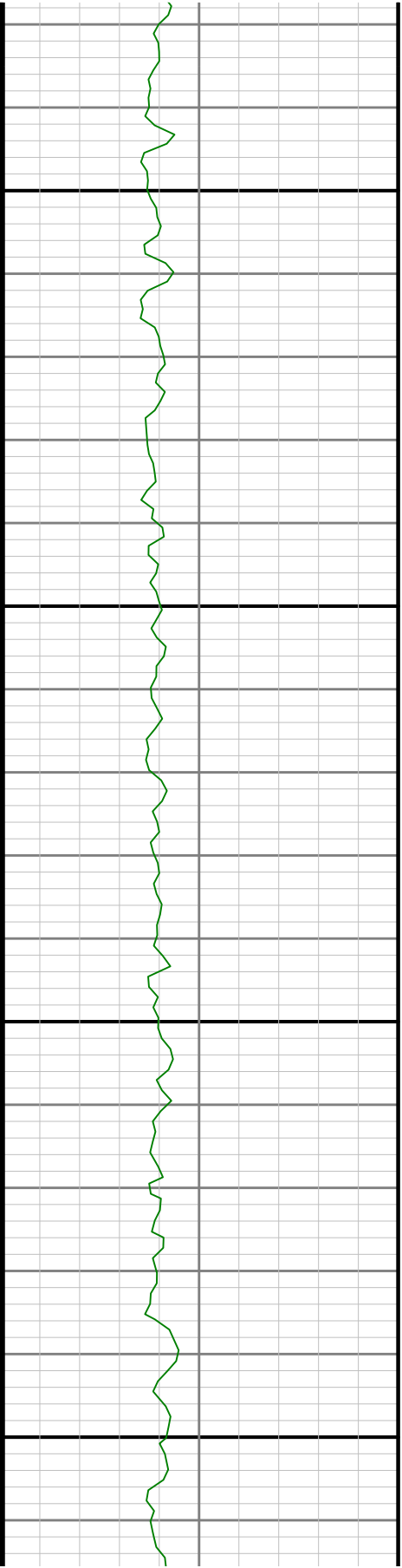
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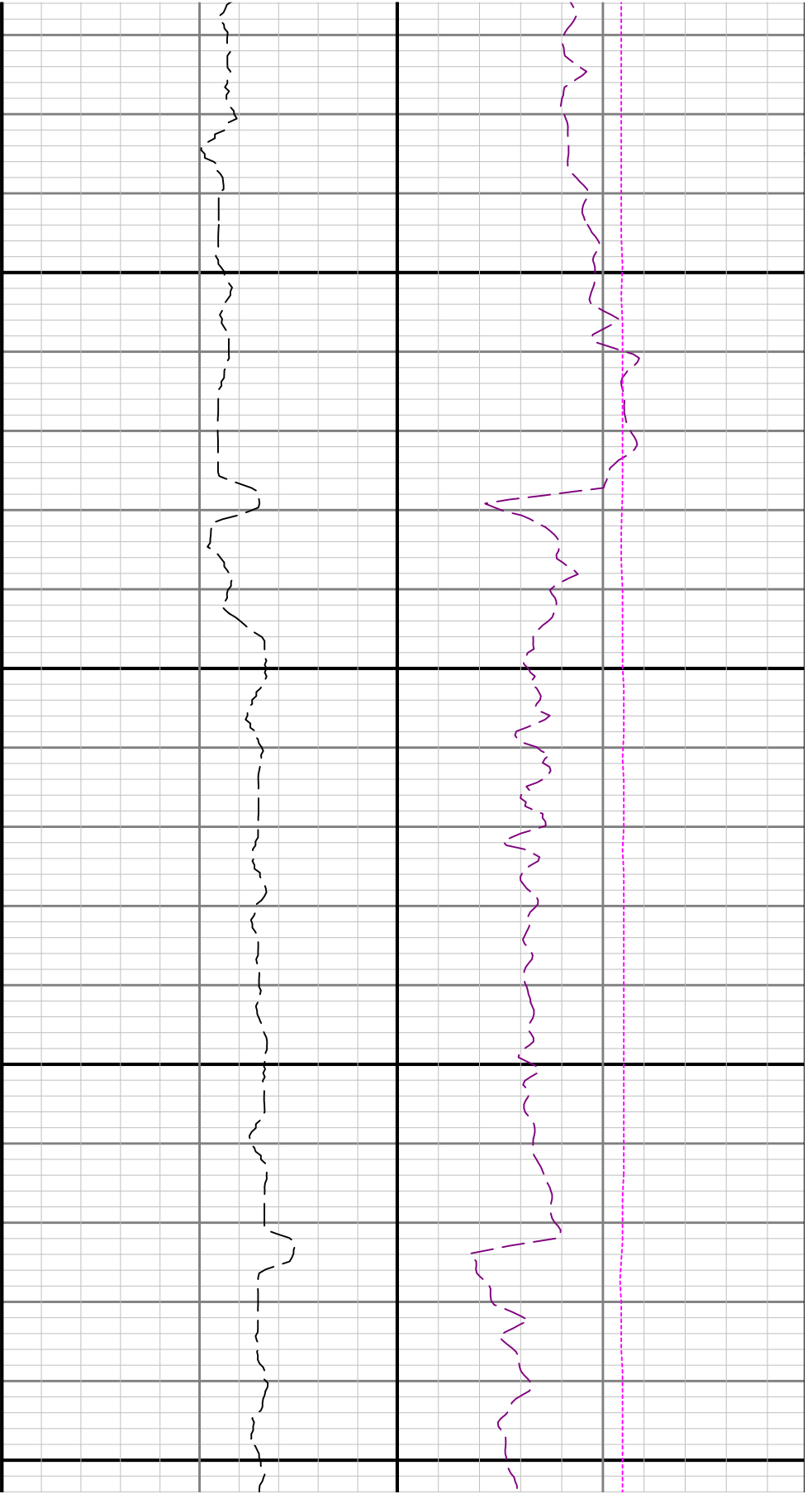




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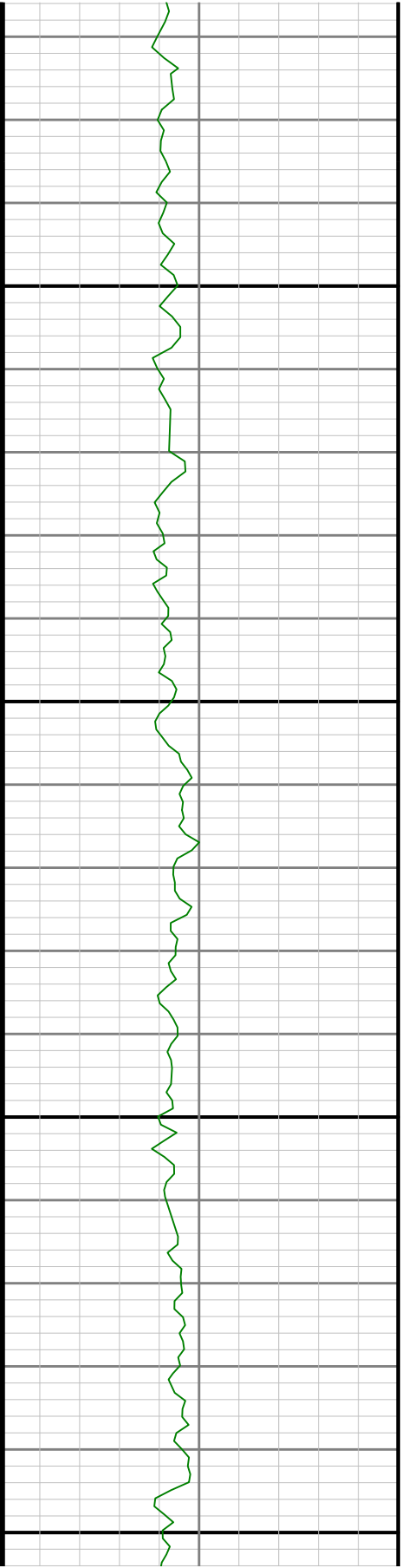
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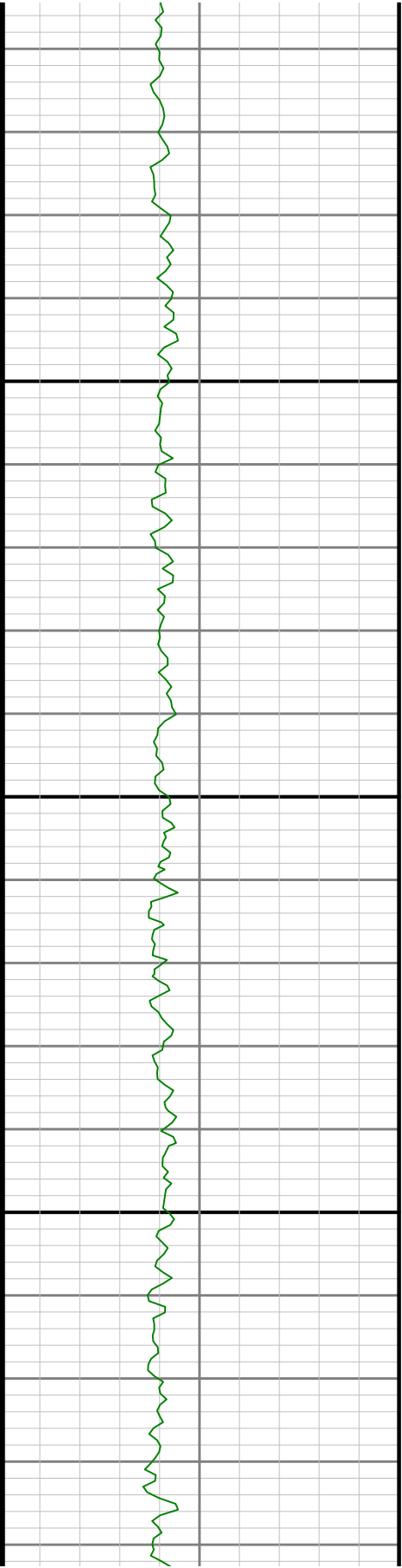




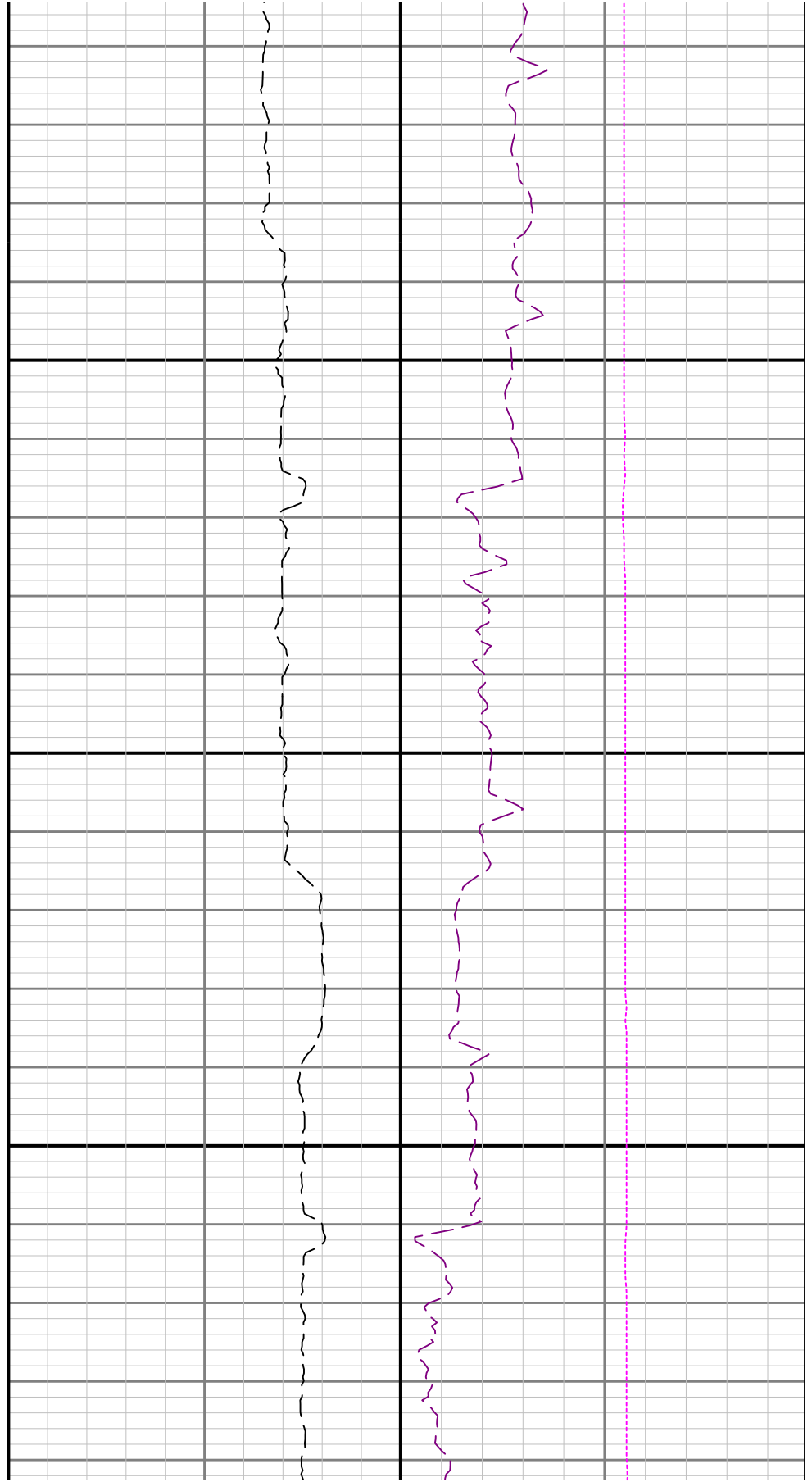
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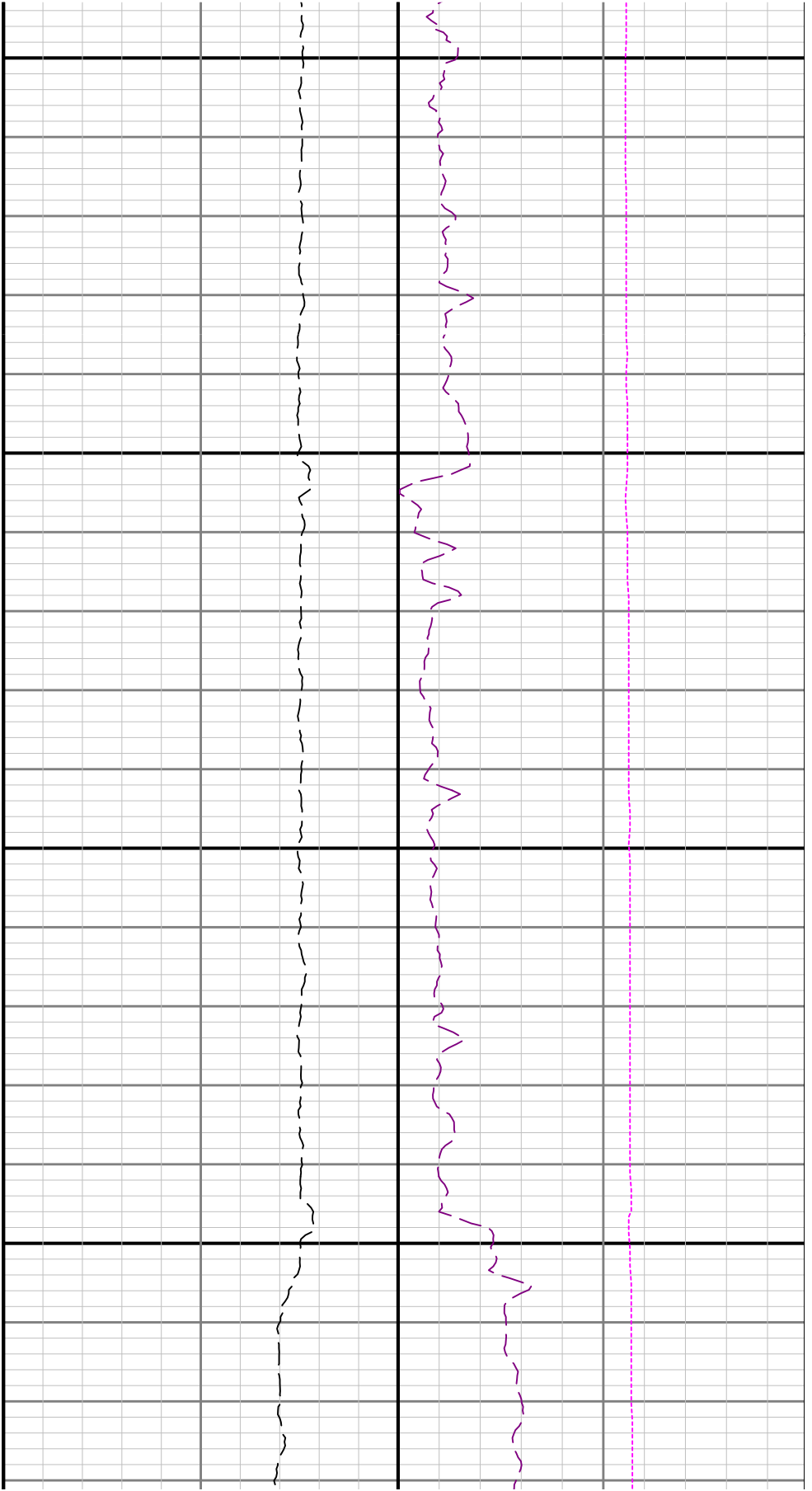
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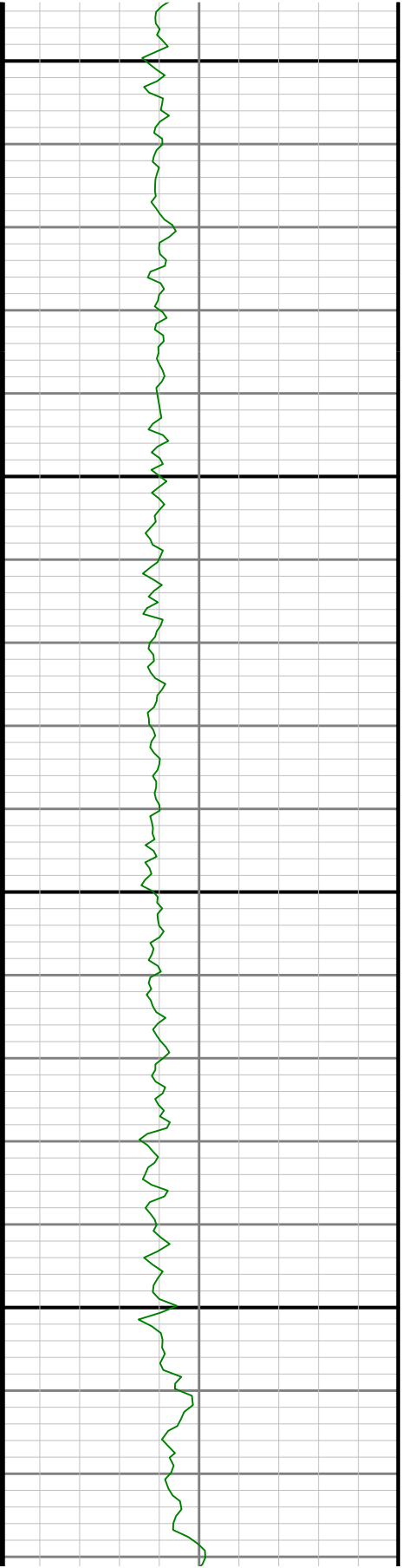
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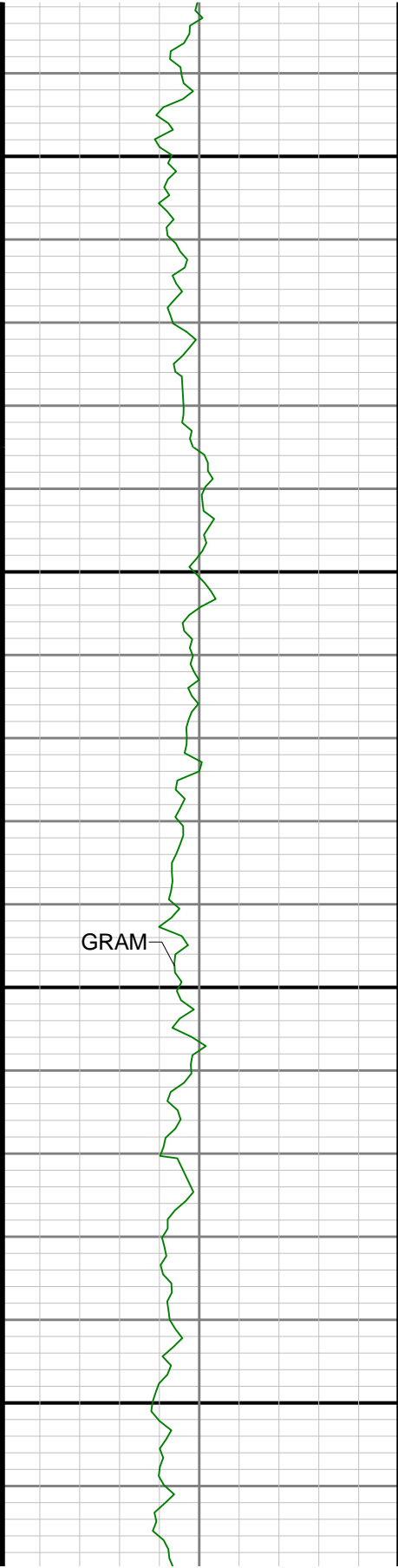




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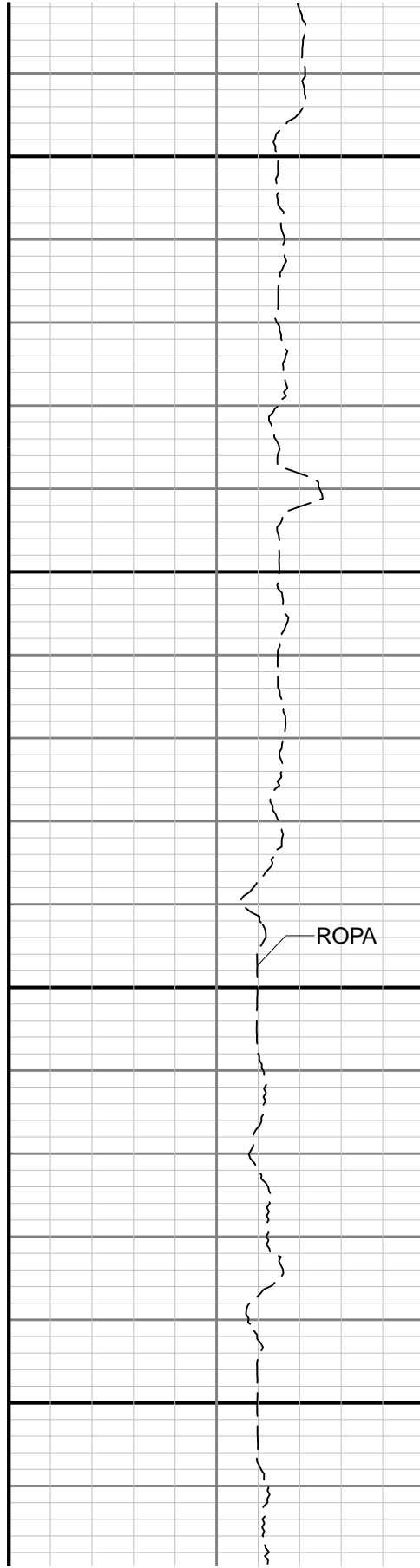




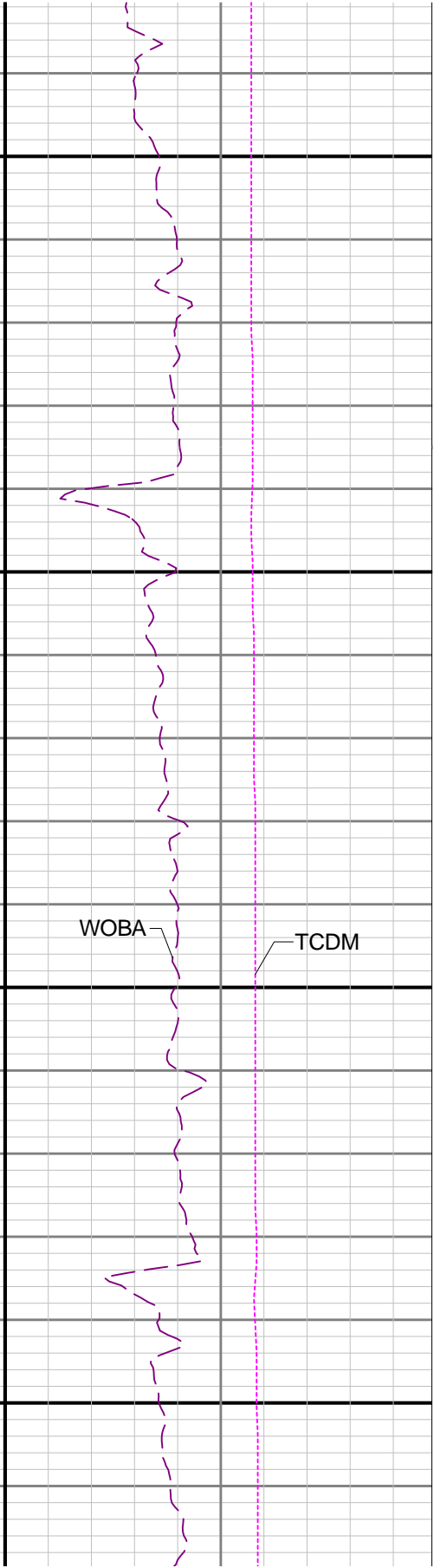
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GRAM

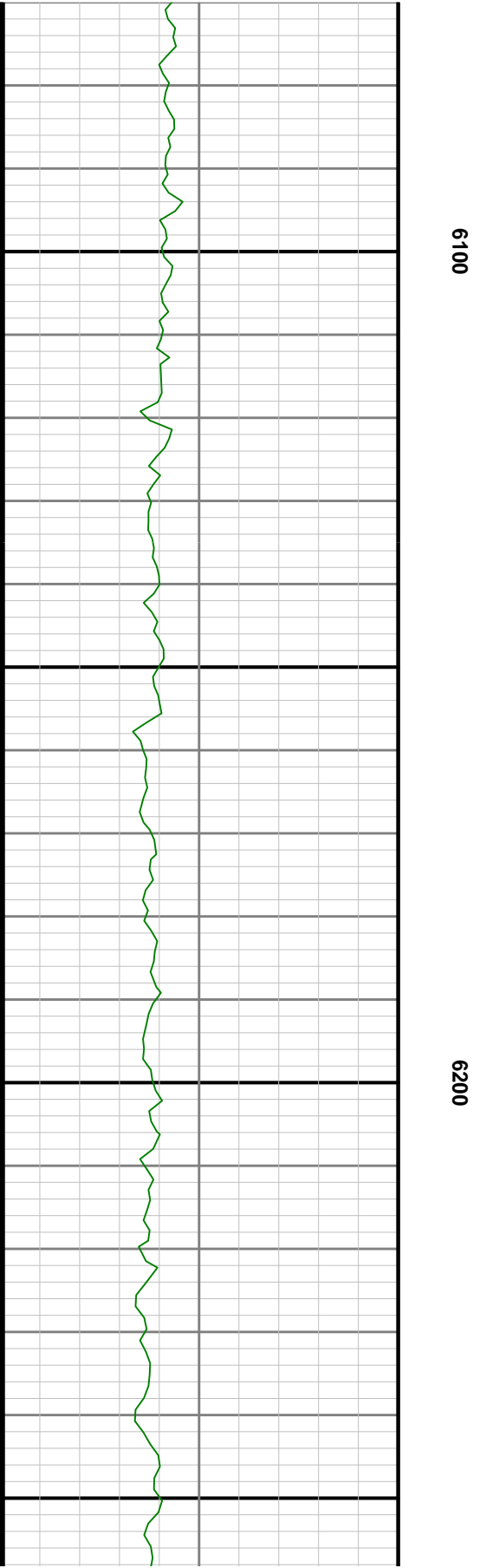


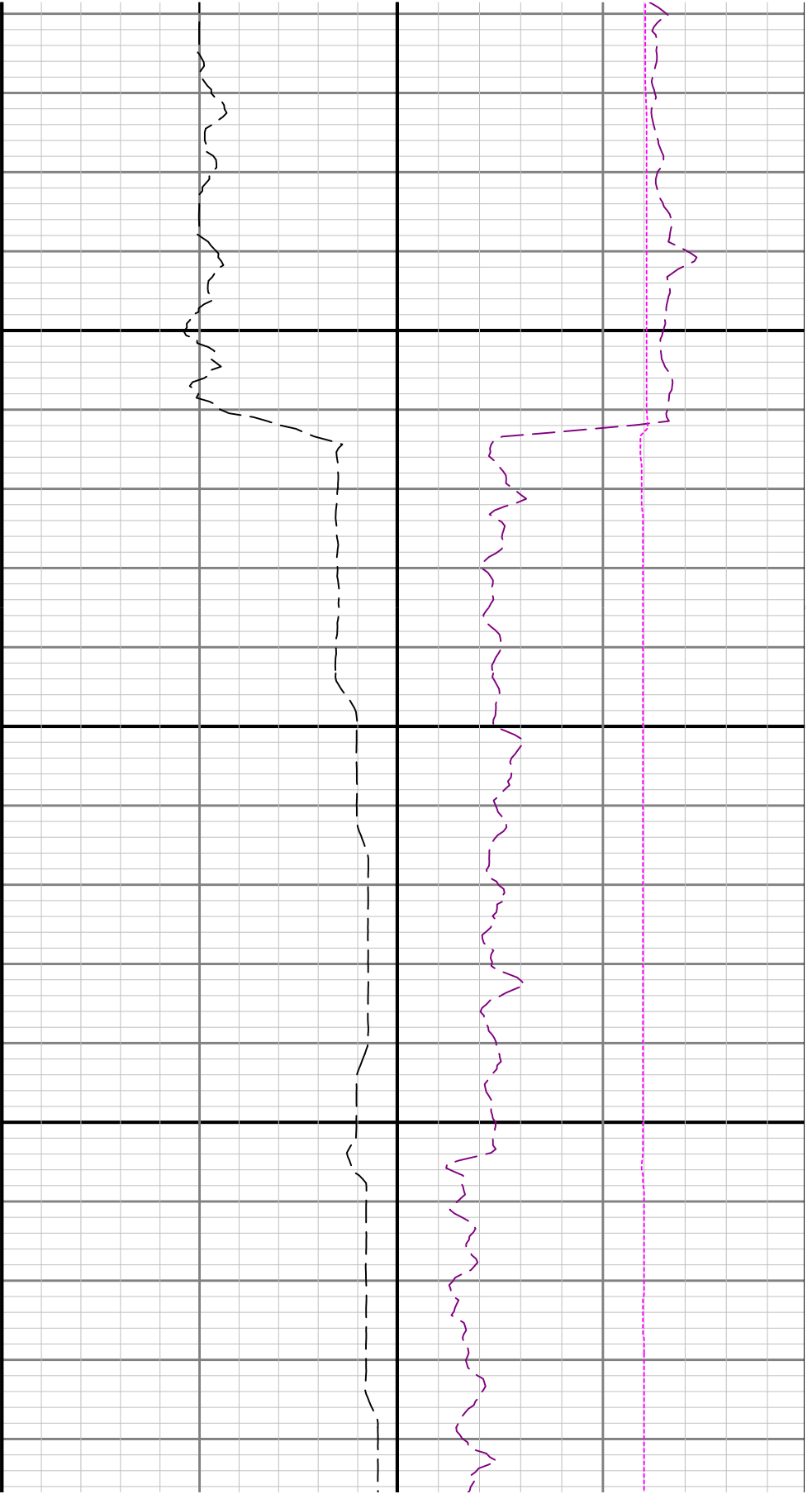
ROPA



WOBA

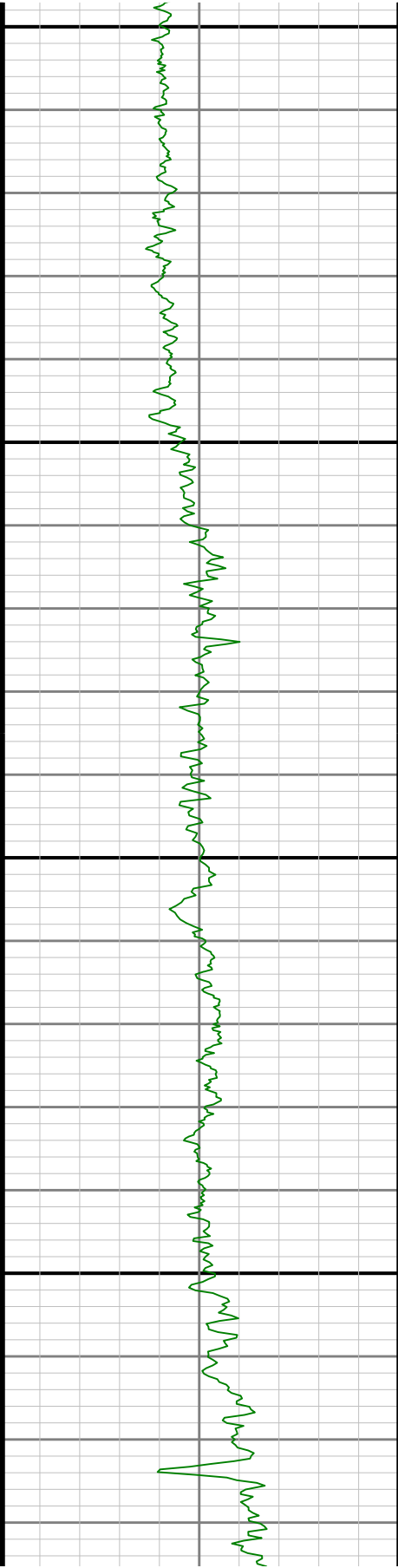
TCDM





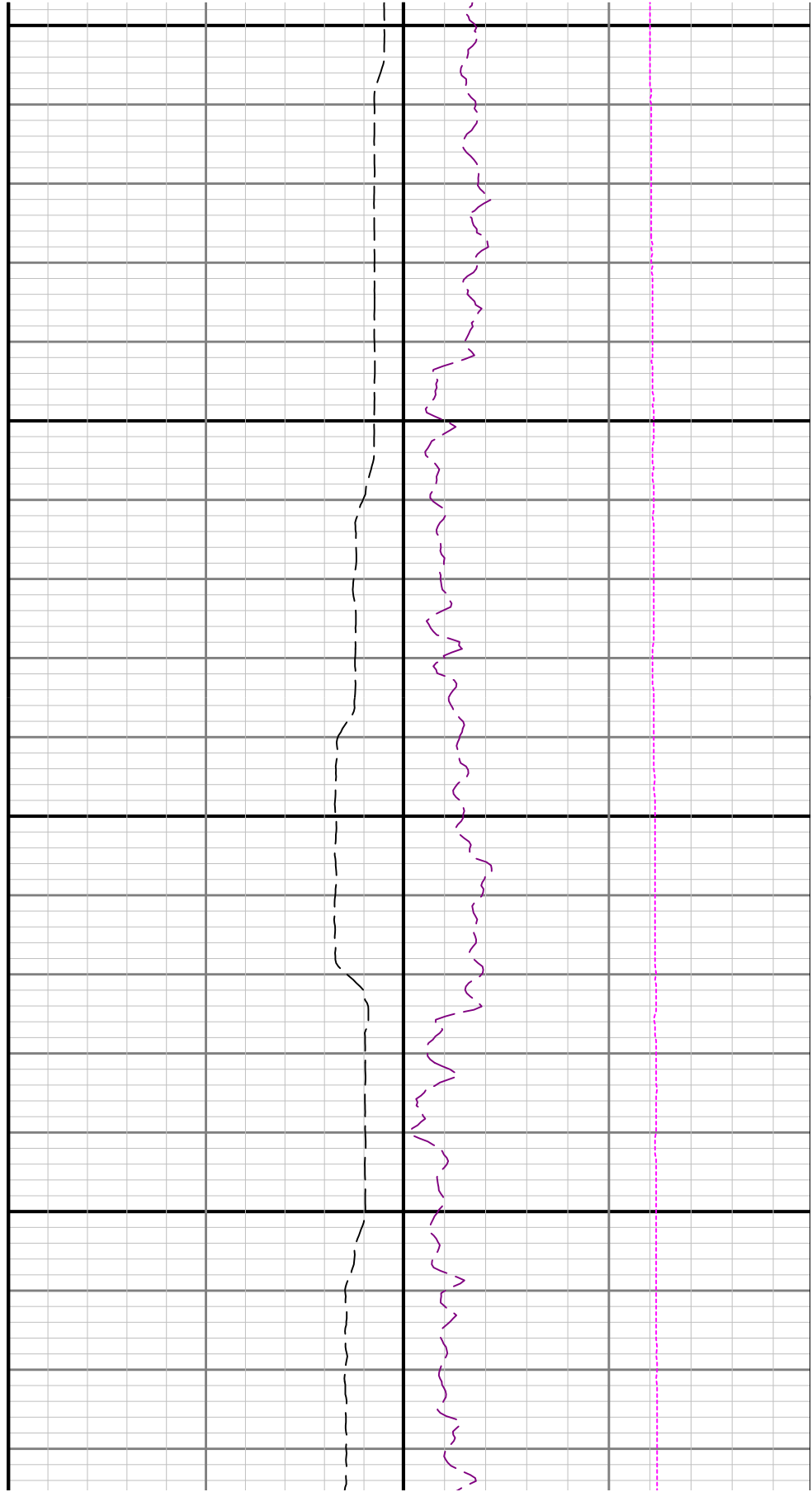
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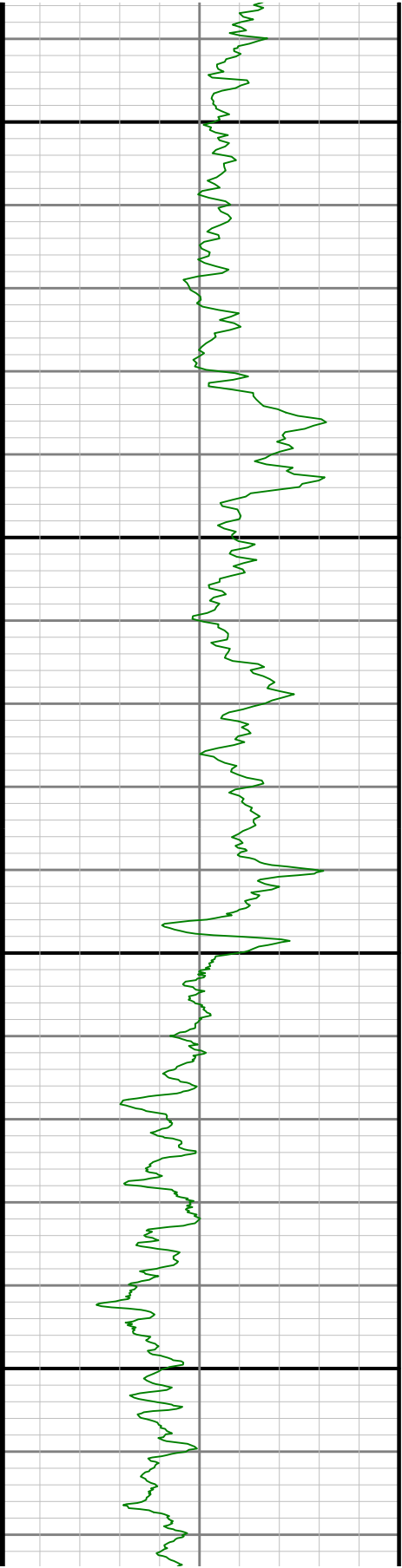
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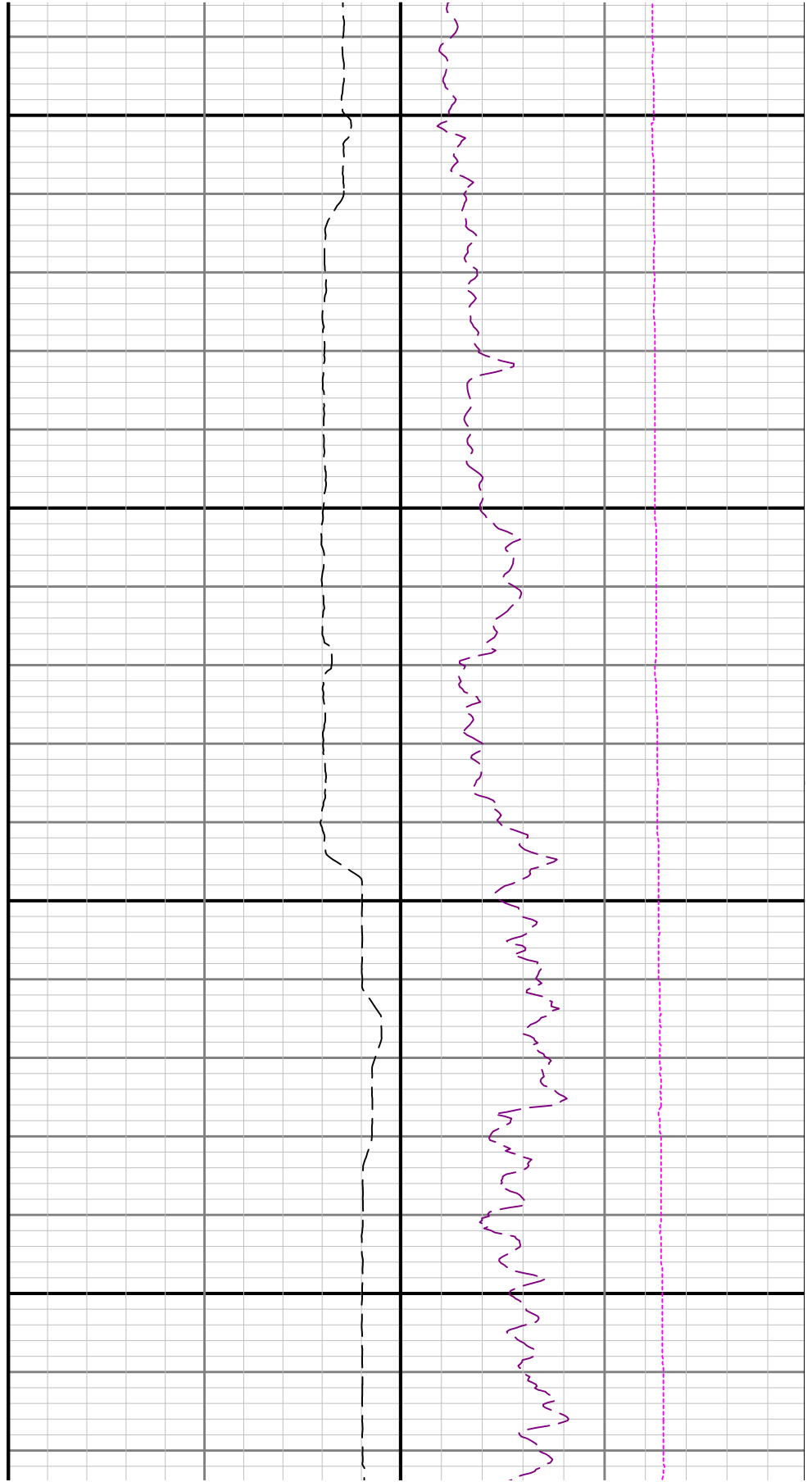
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6700

6800





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	928.00	0.50	44.61	N/A	2.91	4.41	927.98	-3898.02	-3.00	95.00	0.19	0.00	21.35
	1022.00	0.54	47.75	N/A	3.50	5.03	1021.98	-3804.02	-3.60	94.00	0.05	0.04	3.34
	1117.00	0.57	68.72	N/A	3.98	5.80	1116.97	-3709.03	-4.08	95.00	0.21	0.03	22.07
	1211.00	0.33	122.15	N/A	4.00	6.47	1210.97	-3615.03	-4.12	94.00	0.49	-0.26	56.84
	1306.00	0.29	100.86	N/A	3.81	6.94	1305.97	-3520.03	-3.94	95.00	0.13	-0.04	-22.41
	1400.00	0.40	154.80	N/A	3.47	7.31	1399.97	-3426.03	-3.60	94.00	0.35	0.12	57.38
	1494.00	0.45	61.58	N/A	3.35	7.77	1493.97	-3332.03	-3.49	94.00	0.66	0.05	-99.17
	1589.00	0.43	23.73	N/A	3.85	8.24	1588.96	-3237.04	-4.00	95.00	0.30	-0.02	-39.84
	1683.00	0.36	286.90	N/A	4.26	8.10	1682.96	-3143.04	-4.41	94.00	0.63	-0.07	-103.01
	1778.00	0.39	349.53	N/A	4.67	7.76	1777.96	-3048.04	-4.81	95.00	0.41	0.03	65.93
	1873.00	0.25	96.07	N/A	4.96	7.91	1872.96	-2953.04	-5.11	95.00	0.55	-0.15	112.15
	1932.00	0.60	154.45	N/A	4.67	8.17	1931.96	-2894.04	-4.82	59.00	0.87	0.59	98.95
	1992.00	0.99	166.84	98.7	3.88	8.42	1991.95	-2834.05	-4.04	60.00	0.71	0.65	20.65
	2087.00	2.70	186.46	106.8	0.86	8.36	2086.90	-2739.10	-1.01	95.00	1.89	1.80	20.65
	2181.00	3.88	189.65	112.2	-4.48	7.57	2180.74	-2645.26	4.34	94.00	1.27	1.26	3.39
	2276.00	6.38	191.73	117.6	-12.81	5.96	2275.35	-2550.65	12.70	95.00	2.64	2.63	2.19
	2370.00	6.39	194.00	120.3	-23.00	3.63	2368.77	-2457.23	22.93	94.00	0.27	0.01	2.41
	2465.00	10.23	195.50	123.0	-36.27	0.10	2462.76	-2363.24	36.26	95.00	4.05	4.04	1.58
	2559.00	10.21	194.99	125.7	-52.36	-4.29	2555.27	-2270.73	52.43	94.00	0.10	-0.02	-0.54
	2654.00	8.45	193.02	125.7	-67.29	-8.04	2649.01	-2176.99	67.43	95.00	1.88	-1.85	-2.07
	2748.00	9.28	196.56	128.4	-81.29	-11.75	2741.88	-2084.12	81.49	94.00	1.06	0.88	3.77
	2843.00	8.89	201.09	128.4	-95.48	-16.58	2835.69	-1990.31	95.77	95.00	0.86	-0.41	4.77
	2937.00	7.88	201.07	131.1	-108.27	-21.51	2928.69	-1897.31	108.65	94.00	1.07	-1.07	-0.02
	3032.00	8.70	202.34	131.1	-120.99	-26.58	3022.69	-1803.31	121.46	95.00	0.88	0.86	1.34
	3127.00	7.04	199.67	131.1	-133.12	-31.27	3116.79	-1709.21	133.68	95.00	1.79	-1.75	-2.81
	3221.00	7.60	204.31	133.8	-144.21	-35.77	3210.03	-1615.97	144.85	94.00	0.87	0.60	4.94
	3316.00	7.65	212.64	133.8	-155.26	-41.77	3304.19	-1521.81	156.01	95.00	1.16	0.05	8.77
	3411.00	9.03	206.05	133.8	-167.28	-48.45	3398.19	-1427.81	168.15	95.00	1.76	1.45	-6.94
	3505.00	9.55	197.99	136.5	-181.33	-54.10	3490.96	-1335.04	182.30	94.00	1.49	0.55	-8.57
	3600.00	9.74	198.83	139.2	-196.43	-59.13	3584.61	-1241.39	197.49	95.00	0.25	0.20	0.88
	3694.00	9.74	197.67	139.2	-211.53	-64.11	3677.26	-1148.74	212.68	94.00	0.21	0.00	-1.23
	3789.00	9.65	202.13	141.9	-226.56	-69.54	3770.90	-1055.10	227.81	95.00	0.80	-0.09	4.69
	3883.00	10.54	193.28	141.9	-242.23	-74.49	3863.45	-962.55	243.57	94.00	1.90	0.95	-9.41
	3978.00	9.80	188.98	141.9	-258.67	-77.75	3956.96	-869.04	260.07	95.00	1.12	-0.78	-4.53
	4072.00	9.00	192.73	144.6	-273.75	-80.61	4049.70	-776.30	275.19	94.00	1.07	-0.85	3.99
	4167.00	9.60	196.73	144.6	-288.58	-84.53	4143.45	-682.55	290.10	95.00	0.93	0.63	4.21
	4262.00	9.40	202.89	144.6	-303.32	-89.83	4237.15	-588.85	304.92	95.00	1.09	-0.21	6.48
	4356.00	9.76	206.14	144.6	-317.54	-96.33	4329.84	-496.16	319.27	94.00	0.69	0.38	3.46
	4450.00	9.75	211.21	147.3	-331.50	-103.96	4422.48	-403.52	333.37	94.00	0.91	-0.01	5.39
	4545.00	10.24	203.22	147.3	-346.14	-111.46	4516.05	-309.95	348.14	95.00	1.55	0.52	-8.41
	4639.00	9.71	201.64	150.0	-361.19	-117.68	4608.63	-217.37	363.30	94.00	0.63	-0.56	-1.68
	4734.00	9.74	202.81	152.7	-376.04	-123.75	4702.26	-123.74	378.27	95.00	0.21	0.03	1.23
	4828.00	9.94	200.27	152.7	-390.98	-129.64	4794.88	-31.12	393.31	94.00	0.51	0.21	-2.70
	4923.00	9.66	196.09	155.4	-406.33	-134.69	4888.49	62.49	408.75	95.00	0.80	-0.29	-4.40
	5018.00	10.10	191.36	155.4	-422.16	-138.54	4982.08	156.08	424.65	95.00	0.97	0.46	-4.98
	5112.00	9.79	189.09	158.1	-438.13	-141.43	5074.67	248.67	440.67	94.00	0.53	-0.33	-2.41
	5207.00	8.24	189.74	158.1	-452.82	-143.85	5168.50	342.50	455.40	95.00	1.64	-1.63	0.68
	5301.00	7.35	190.78	160.8	-465.36	-146.12	5261.63	435.63	467.99	94.00	0.96	-0.95	1.11
	5396.00	7.19	191.21	163.5	-477.16	-148.41	5355.86	529.86	479.83	95.00	0.18	-0.17	0.45
	5491.00	7.29	191.28	166.2	-488.91	-150.74	5450.11	624.11	491.61	95.00	0.11	0.11	0.07
	5585.00	7.89	190.87	163.5	-501.09	-153.13	5543.28	717.28	503.84	94.00	0.64	0.64	-0.44
	5680.00	8.04	189.90	166.2	-514.04	-155.50	5637.37	811.37	516.83	95.00	0.21	0.16	-1.02
	5774.00	8.45	190.31	166.2	-527.31	-157.87	5730.39	904.39	530.14	94.00	0.44	0.44	0.44
	5869.00	9.09	189.82	168.9	-541.57	-160.40	5824.28	998.28	544.45	95.00	0.68	0.67	-0.52
	5963.00	9.68	190.38	171.6	-556.66	-163.09	5917.02	1091.02	559.58	94.00	0.64	0.63	0.60
	6058.00	9.36	191.06	174.3	-572.10	-166.01	6010.72	1184.72	575.07	95.00	0.36	-0.34	0.72
	6152.00	9.59	190.53	177.0	-587.30	-168.90	6103.43	1277.43	590.32	94.00	0.26	0.24	-0.56
	6247.00	9.65	191.09	179.7	-602.89	-171.88	6197.10	1371.10	605.97	95.00	0.12	0.06	0.59
	6341.00	9.54	191.47	179.7	-618.26	-174.95	6289.78	1463.78	621.39	94.00	0.14	-0.12	0.40
	6436.00	14.56	192.43	179.7	-637.65	-179.08	6382.66	1556.66	640.85	95.00	5.29	5.28	1.01
	6530.00	22.93	188.89	182.5	-667.33	-184.47	6471.60	1645.60	670.63	94.00	8.98	8.90	-3.77
	6624.00	30.89	184.01	185.2	-709.57	-188.99	6555.36	1729.36	712.94	94.00	8.78	8.47	-5.19

	6719.00	38.73	180.18	252.7	-763.70	-190.79	6633.31	1807.31	767.10	95.00	8.56	8.25	-4.03
	6814.00	46.82	180.71	187.9	-828.16	-191.32	6702.98	1876.98	831.56	95.00	8.52	8.52	0.56
	6908.00	54.00	180.88	190.6	-900.55	-192.33	6762.85	1936.85	903.95	94.00	7.64	7.64	0.18
	7003.00	62.27	178.33	193.3	-981.15	-191.69	6812.96	1986.96	984.52	95.00	9.00	8.71	-2.68
	7097.00	70.83	177.38	196.0	-1067.24	-188.44	6850.34	2024.34	1070.54	94.00	9.15	9.11	-1.01
	7192.00	78.72	178.46	198.7	-1158.77	-185.14	6875.27	2049.27	1162.00	95.00	8.38	8.31	1.14
	7286.00	86.30	179.36	198.7	-1251.88	-183.37	6887.51	2061.51	1255.06	94.00	8.12	8.06	0.96
	7381.00	89.41	180.29	201.4	-1346.80	-183.08	6891.07	2065.07	1349.96	95.00	3.42	3.27	0.98
	7475.00	90.49	180.71	206.8	-1440.80	-183.90	6891.15	2065.15	1443.95	94.00	1.23	1.15	0.45
	7570.00	90.31	182.30	209.5	-1535.76	-186.40	6890.49	2064.49	1538.95	95.00	1.68	-0.19	1.67
	7664.00	89.54	182.76	212.2	-1629.67	-190.55	6890.61	2064.61	1632.91	94.00	0.95	-0.82	0.49
	7759.00	90.55	181.06	212.2	-1724.61	-193.71	6890.53	2064.53	1727.90	95.00	2.08	1.06	-1.79
	7854.00	91.05	181.25	214.9	-1819.58	-195.63	6889.21	2063.21	1822.89	95.00	0.56	0.53	0.20
	7948.00	90.18	181.98	217.6	-1913.54	-198.28	6888.20	2062.20	1916.88	94.00	1.21	-0.93	0.78
	8042.00	90.86	180.52	217.6	-2007.51	-200.33	6887.35	2061.35	2010.87	94.00	1.71	0.72	-1.55
	8137.00	90.09	181.50	217.6	-2102.49	-202.00	6886.56	2060.56	2105.87	95.00	1.31	-0.81	1.03
	8231.00	89.48	180.76	223.0	-2196.47	-203.85	6886.91	2060.91	2199.86	94.00	1.02	-0.65	-0.79
	8325.00	90.65	180.71	223.0	-2290.46	-205.06	6886.80	2060.80	2293.86	94.00	1.25	1.24	-0.05
	8420.00	88.86	179.61	225.7	-2385.45	-205.33	6887.21	2061.21	2388.84	95.00	2.21	-1.88	-1.16
	8514.00	90.03	178.04	225.7	-2479.42	-203.40	6888.12	2062.12	2482.76	94.00	2.08	1.24	-1.67
	8609.00	91.08	177.18	225.7	-2574.33	-199.44	6887.20	2061.20	2577.58	95.00	1.43	1.11	-0.91
	8703.00	90.99	178.55	225.7	-2668.25	-195.94	6885.50	2059.50	2671.42	94.00	1.46	-0.10	1.46
	8798.00	91.02	177.99	225.7	-2763.19	-193.07	6883.84	2057.84	2766.29	95.00	0.59	0.03	-0.59
	8892.00	90.37	178.76	228.4	-2857.15	-190.40	6882.70	2056.70	2860.18	94.00	1.07	-0.69	0.82
	8987.00	90.59	178.60	231.1	-2952.12	-188.21	6881.90	2055.90	2955.10	95.00	0.29	0.23	-0.17
	9081.00	91.32	180.21	231.1	-3046.10	-187.24	6880.33	2054.33	3049.04	94.00	1.88	0.78	1.71
	9176.00	90.15	180.25	233.8	-3141.09	-187.62	6879.11	2053.11	3144.02	95.00	1.23	-1.23	0.04
	9270.00	90.74	180.15	231.1	-3235.08	-187.95	6878.38	2052.38	3238.01	94.00	0.64	0.63	-0.11
	9365.00	90.80	180.32	233.8	-3330.07	-188.34	6877.11	2051.11	3332.99	95.00	0.19	0.06	0.18
	9460.00	90.80	178.68	233.8	-3425.06	-187.51	6875.78	2049.78	3427.94	95.00	1.73	0.00	-1.73
	9554.00	90.43	178.19	236.5	-3519.02	-184.94	6874.77	2048.77	3521.84	94.00	0.65	-0.39	-0.52
	9649.00	90.25	178.31	236.5	-3613.97	-182.04	6874.21	2048.21	3616.72	95.00	0.23	-0.19	0.13
	9743.00	90.22	177.90	236.5	-3707.92	-178.93	6873.82	2047.82	3710.59	94.00	0.44	-0.03	-0.44
	9837.00	90.15	179.05	239.2	-3801.88	-176.43	6873.52	2047.52	3804.50	94.00	1.23	-0.07	1.22
	9932.00	90.31	179.99	239.2	-3896.88	-175.63	6873.14	2047.14	3899.46	95.00	1.00	0.17	0.99
	10027.00	90.28	181.31	241.9	-3991.87	-176.71	6872.65	2046.65	3994.45	95.00	1.39	-0.03	1.39
	10121.00	88.74	180.23	241.9	-4085.85	-177.97	6873.45	2047.45	4088.45	94.00	2.00	-1.64	-1.15
	10216.00	90.25	180.31	241.9	-4180.84	-178.42	6874.29	2048.29	4183.43	95.00	1.59	1.59	0.08
	10311.00	90.31	182.16	241.9	-4275.82	-180.47	6873.83	2047.83	4278.42	95.00	1.95	0.06	1.95
	10405.00	90.18	184.82	244.6	-4369.63	-186.19	6873.42	2047.42	4372.33	94.00	2.83	-0.14	2.83
	10500.00	90.06	183.58	244.6	-4464.38	-193.15	6873.23	2047.23	4467.19	95.00	1.31	-0.13	-1.31
	10595.00	90.52	182.04	244.6	-4559.26	-197.81	6872.74	2046.74	4562.14	95.00	1.69	0.48	-1.62
	10689.00	90.89	180.32	244.6	-4653.23	-199.74	6871.59	2045.59	4656.13	94.00	1.87	0.39	-1.83
	10784.00	90.40	182.36	247.3	-4748.19	-201.96	6870.52	2044.52	4751.11	95.00	2.21	-0.52	2.15
	10878.00	91.29	181.90	247.3	-4842.11	-205.46	6869.13	2043.13	4845.09	94.00	1.07	0.95	-0.49
	10973.00	90.86	179.65	244.6	-4937.08	-206.74	6867.35	2041.35	4940.06	95.00	2.41	-0.45	-2.37
	11067.00	90.31	181.44	247.3	-5031.07	-207.64	6866.39	2040.39	5034.05	94.00	1.99	-0.59	1.90
	11161.00	89.91	179.81	247.3	-5125.06	-208.66	6866.21	2040.21	5128.04	94.00	1.79	-0.43	-1.73
	11256.00	89.75	178.02	247.3	-5220.04	-206.86	6866.49	2040.49	5222.97	95.00	1.89	-0.17	-1.88
	11350.00	89.94	179.12	247.3	-5314.01	-204.52	6866.75	2040.75	5316.88	94.00	1.19	0.20	1.17
	11445.00	89.63	179.62	250.0	-5409.00	-203.47	6867.10	2041.10	5411.84	95.00	0.62	-0.33	0.53
	11539.00	89.72	179.49	250.0	-5503.00	-202.74	6867.63	2041.63	5505.80	94.00	0.17	0.10	-0.14
	11633.00	89.26	179.81	247.3	-5596.99	-202.17	6868.47	2042.47	5599.77	94.00	0.60	-0.49	0.34
	11728.00	89.17	179.05	247.3	-5691.98	-201.22	6869.77	2043.77	5694.72	95.00	0.81	-0.09	-0.80
	11822.00	89.23	178.26	250.0	-5785.94	-199.02	6871.09	2045.09	5788.63	94.00	0.84	0.06	-0.84
	11917.00	90.06	177.94	250.0	-5880.88	-195.87	6871.67	2045.67	5883.50	95.00	0.94	0.87	-0.34
	12011.00	91.39	179.86	250.0	-5974.85	-194.06	6870.48	2044.48	5977.42	94.00	2.48	1.41	2.04
	12106.00	90.22	179.87	250.0	-6069.84	-193.84	6869.15	2043.15	6072.39	95.00	1.23	-1.23	0.01
	12200.00	89.82	179.91	250.0	-6163.84	-193.66	6869.12	2043.12	6166.37	94.00	0.43	-0.43	0.04
	12294.00	90.71	180.49	250.0	-6257.84	-193.99	6868.68	2042.68	6260.36	94.00	1.13	0.95	0.62
	12388.00	90.09	180.30	250.0	-6351.83	-194.63	6868.03	2042.03	6354.35	94.00	0.69	-0.66	-0.20
	12483.00	90.37	180.31	250.0	-6446.83	-195.14	6867.64	2041.64	6449.34	95.00	0.29	0.29	0.01
	12577.00	89.97	179.95	252.7	-6540.83	-195.35	6867.37	2041.37	6543.32	94.00	0.57	-0.43	-0.38

	12377.00	89.97	179.93	252.7	-6340.33	-193.33	6867.37	2041.37	6343.32	94.00	0.37	-0.43	-0.36
	12671.00	90.34	179.34	252.7	-6634.83	-194.77	6867.11	2041.11	6637.30	94.00	0.76	0.39	-0.65
	12766.00	90.09	176.74	252.7	-6729.76	-191.52	6866.76	2040.76	6732.15	95.00	2.75	-0.26	-2.74
	12860.00	89.75	175.82	252.7	-6823.56	-185.42	6866.89	2040.89	6825.83	94.00	1.04	-0.36	-0.98
	12954.00	90.95	176.39	252.7	-6917.34	-179.04	6866.31	2040.31	6919.47	94.00	1.41	1.28	0.61
	13049.00	90.06	177.54	252.7	-7012.20	-174.01	6865.47	2039.47	7014.22	95.00	1.53	-0.94	1.21
	13143.00	90.06	178.21	252.7	-7106.14	-170.52	6865.38	2039.38	7108.08	94.00	0.71	0.00	0.71
	13238.00	89.94	179.44	228.4	-7201.12	-168.57	6865.38	2039.38	7203.00	95.00	1.30	-0.13	1.29
	13332.00	90.22	180.35	258.1	-7295.11	-168.40	6865.25	2039.25	7296.98	94.00	1.01	0.30	0.97
	13427.00	89.69	179.72	258.1	-7390.11	-168.46	6865.32	2039.32	7391.97	95.00	0.87	-0.56	-0.66
	13521.00	90.62	180.74	258.1	-7484.11	-168.84	6865.07	2039.07	7485.95	94.00	1.47	0.99	1.09
	13616.00	90.03	182.89	258.1	-7579.06	-171.85	6864.53	2038.53	7580.94	95.00	2.35	-0.62	2.26
	13710.00	89.60	183.10	260.8	-7672.93	-176.76	6864.83	2038.83	7674.88	94.00	0.51	-0.46	0.22
	13805.00	89.88	182.84	347.3	-7767.80	-181.68	6865.26	2039.26	7769.83	95.00	0.40	0.29	-0.27
	13899.00	89.45	182.37	260.8	-7861.70	-185.95	6865.81	2039.81	7863.79	94.00	0.68	-0.46	-0.50
	13994.00	90.46	181.62	263.5	-7956.64	-189.26	6865.89	2039.89	7958.78	95.00	1.32	1.06	-0.79
	14088.00	90.68	182.38	263.5	-8050.58	-192.54	6864.95	2038.95	8052.76	94.00	0.84	0.23	0.81
	14183.00	90.18	182.08	266.2	-8145.50	-196.24	6864.24	2038.24	8147.74	95.00	0.61	-0.53	-0.32
	14278.00	88.98	179.92	263.5	-8240.48	-197.89	6864.93	2038.93	8242.73	95.00	2.60	-1.26	-2.27
	14372.00	89.54	177.95	263.5	-8334.45	-196.15	6866.15	2040.15	8336.65	94.00	2.18	0.60	-2.10
	14467.00	89.82	176.80	263.5	-8429.34	-191.80	6866.68	2040.68	8431.45	95.00	1.25	0.29	-1.21
	14561.00	89.85	175.59	266.2	-8523.14	-185.56	6866.95	2040.95	8525.11	94.00	1.29	0.03	-1.29
	14656.00	89.91	173.62	266.2	-8617.71	-176.63	6867.15	2041.15	8619.50	95.00	2.07	0.06	-2.07
	14750.00	90.25	173.54	266.2	-8711.12	-166.12	6867.02	2041.02	8712.70	94.00	0.37	0.36	-0.09
	14844.00	90.22	176.87	266.2	-8804.78	-158.26	6866.63	2040.63	8806.20	94.00	3.54	-0.03	3.54
	14939.00	90.71	180.90	266.2	-8899.74	-156.41	6865.86	2039.86	8901.11	95.00	4.27	0.52	4.24
	15033.00	90.74	181.02	266.2	-8993.72	-157.99	6864.67	2038.67	8995.10	94.00	0.13	0.03	0.13
	15128.00	90.37	180.10	266.2	-9088.71	-158.91	6863.75	2037.75	9090.09	95.00	1.04	-0.39	-0.97
	15222.00	90.77	180.55	266.2	-9182.70	-159.45	6862.82	2036.82	9184.08	94.00	0.64	0.43	0.48
	15317.00	90.49	181.09	266.2	-9277.68	-160.81	6861.77	2035.77	9279.07	95.00	0.64	-0.29	0.57
	15411.00	91.05	181.80	266.2	-9371.64	-163.18	6860.51	2034.51	9373.06	94.00	0.96	0.60	0.76
	15494.00	91.45	182.80	252.7	-9454.56	-166.51	6858.70	2032.70	9456.02	83.00	1.30	0.48	1.20
	15589.00	90.52	180.56	250.0	-9549.49	-169.29	6857.06	2031.06	9550.99	95.00	2.55	-0.98	-2.36
	15683.00	90.03	181.02	255.4	-9643.48	-170.59	6856.61	2030.61	9644.99	94.00	0.71	-0.52	0.49
	15778.00	90.37	180.37	255.4	-9738.47	-171.74	6856.28	2030.28	9739.99	95.00	0.77	0.36	-0.68
	15872.00	90.37	180.32	255.4	-9832.47	-172.31	6855.67	2029.67	9833.98	94.00	0.05	0.00	-0.05
	15967.00	90.28	180.17	258.1	-9927.47	-172.71	6855.13	2029.13	9928.96	95.00	0.18	-0.09	-0.16
	16061.00	90.03	179.13	260.8	-10021.47	-172.14	6854.88	2028.88	10022.93	94.00	1.14	-0.27	-1.11
	16156.00	90.65	180.40	260.8	-10116.46	-171.75	6854.32	2028.32	10117.91	95.00	1.49	0.65	1.34
	16250.00	90.37	179.49	260.8	-10210.46	-171.66	6853.48	2027.48	10211.88	94.00	1.01	-0.30	-0.97
	16345.00	90.18	179.27	260.8	-10305.45	-170.63	6853.02	2027.02	10306.84	95.00	0.31	-0.20	-0.23
	16439.00	90.52	179.66	263.5	-10399.44	-169.75	6852.45	2026.45	10400.80	94.00	0.55	0.36	0.41
	16534.00	90.65	179.91	263.5	-10494.44	-169.40	6851.48	2025.48	10495.77	95.00	0.30	0.14	0.26
	16628.00	90.34	179.75	263.5	-10588.43	-169.12	6850.67	2024.67	10589.75	94.00	0.37	-0.33	-0.17
	16723.00	89.97	179.58	266.2	-10683.43	-168.56	6850.41	2024.41	10684.72	95.00	0.43	-0.39	-0.18
	16817.00	90.46	181.74	266.2	-10777.42	-169.64	6850.06	2024.06	10778.71	94.00	2.36	0.52	2.30
	16912.00	90.62	184.55	266.2	-10872.26	-174.86	6849.16	2023.16	10873.64	95.00	2.96	0.17	2.96
	17007.00	90.22	179.86	269.0	-10967.16	-178.51	6848.47	2022.47	10968.59	95.00	4.95	-0.42	-4.94
	17101.00	90.80	181.53	269.0	-11061.15	-179.65	6847.63	2021.63	11062.58	94.00	1.88	0.62	1.78
	17196.00	90.28	181.84	269.0	-11156.10	-182.44	6846.73	2020.73	11157.57	95.00	0.64	-0.55	0.33
	17291.00	90.28	181.36	271.7	-11251.06	-185.10	6846.27	2020.27	11252.56	95.00	0.51	0.00	-0.51
	17385.00	90.83	181.93	271.7	-11345.02	-187.79	6845.36	2019.36	11346.55	94.00	0.84	0.59	0.61
	17480.00	90.71	181.79	271.7	-11439.96	-190.88	6844.08	2018.08	11441.53	95.00	0.19	-0.13	-0.15
Projection	17520.00	90.71	181.79	N/A	-11479.94	-192.13	6843.59	2017.59	11481.53	40.00	0.00	0.00	-0.00