



Gamma Ray

LWD MEMORY LOG

Scale:

1:240

True Vertical Depth

Depth Reference:

Driller's Depth

Status:

Final Print

API No: 05-123-48949-00

Job ID: 110661673

Permanent Datum (P.D.): Mean Sea Level  
Log Measured From: Rlg Floor

Surface Location:  
Latitude: 40° 15' 46.890" N  
Longitude: 104° 33' 36.616" W

SEC: 33 TWN: 4N RGE: 64W

Elevation: 0.00 ft  
Above P.D.: 4755.00 ft

Elev. KB: 4755.00 ft  
Elev. DF: 4725.00 ft  
Elev. GL:

Other Services:

Directional

Company: Noble Energy

Well: Gutteresen D09-785

Field: Wattenberg

County: Weld Country: United States

State: Colorado

Dates

From: 2020-11-28  
To: 2020-11-30  
Spud: 2020-11-28

Drilled (ft) 1937.00  
Top: 1937.00  
Bottom: 17511.00

Logged (ft) 1937.00  
Top: 1937.00  
Bottom: 17498.00

Azi Reference North: 66.61  
Total Magnetic Field Strength: (nT) 51870  
Mag to Reference North Correction: (deg) 7.33

Interval

Magnetic Field Reference

Borehole Record

Casing Record

Hole Size (in)	From (ft)	To (ft)	Size (in)	Weight (lb/ft)	From (ft)	To (ft)
13.500	30.00	1937.00	9.625	36.00	30.00	1927.00
8.500	1937.00	17511.00				

Mud Record

Deviation Record

Type	From (ft)	To (ft)	Hole Size (in)	Interval (ft)	Inc   Az (Start)	Inc   Az (End)
Oil Based Mud	1937.00	17511.00	8.500	15574.00	1.52   236.99	89.97   178.70

Acquisition System

Software Version

Other

Cadence  
Plot Studio

RT 5.7  
5.7.8906.1

Rig: H&P 517  
Contractor: Helmerich & Payne Drilling Co  
District: RMA

Unit: D&E

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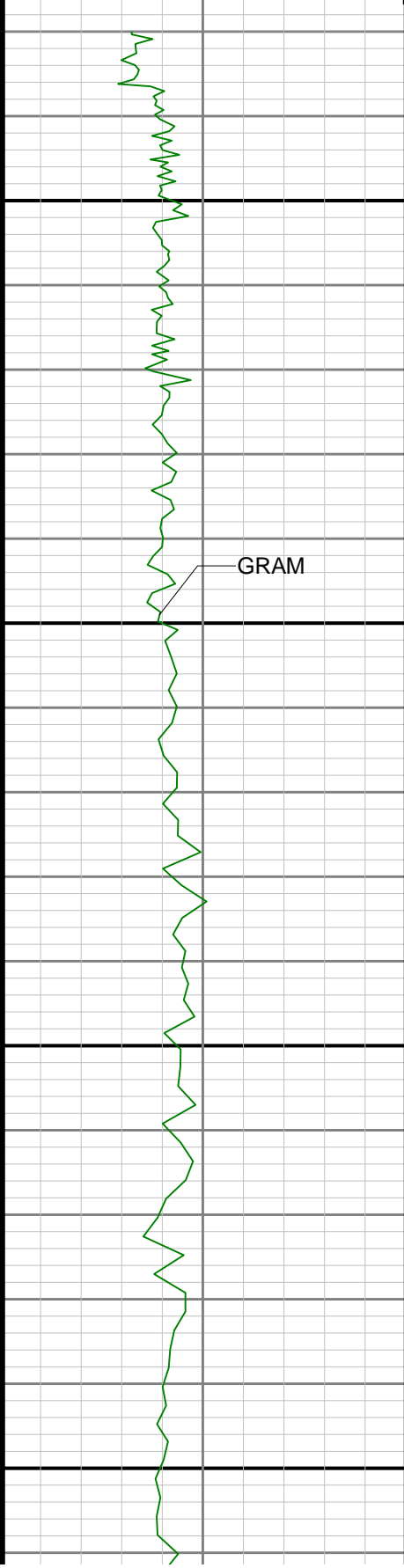
Log Run Summary

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	8.500	PDC	2.50	Rotary Steerable	1937.00	17498.00	1937.00	17511.00	2020-11-28 09:50	2020-11-30 08:55	44.27

Crew

Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite
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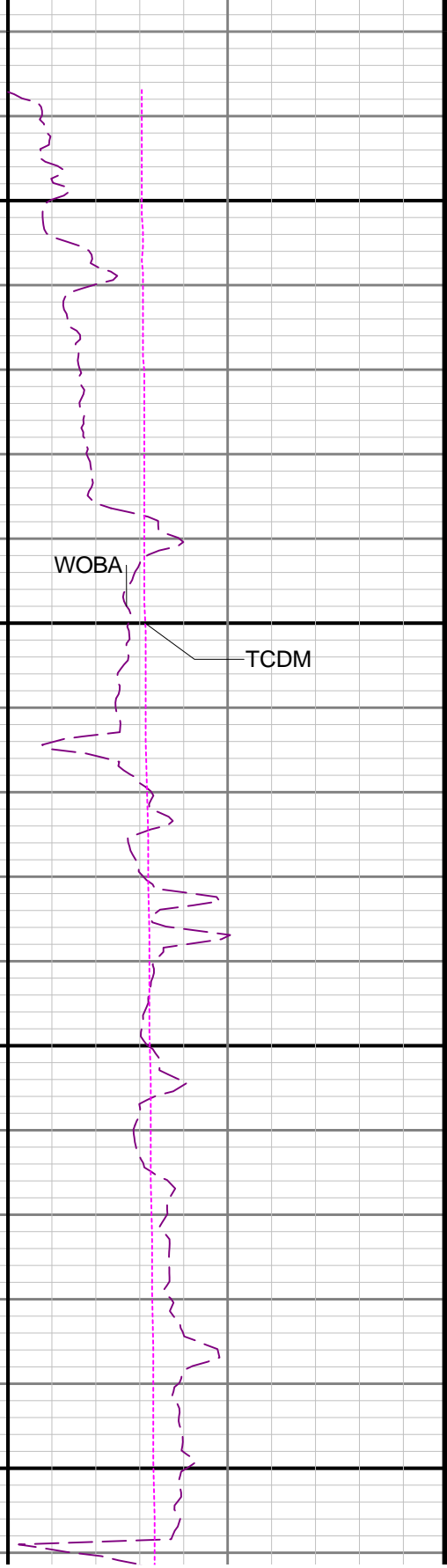
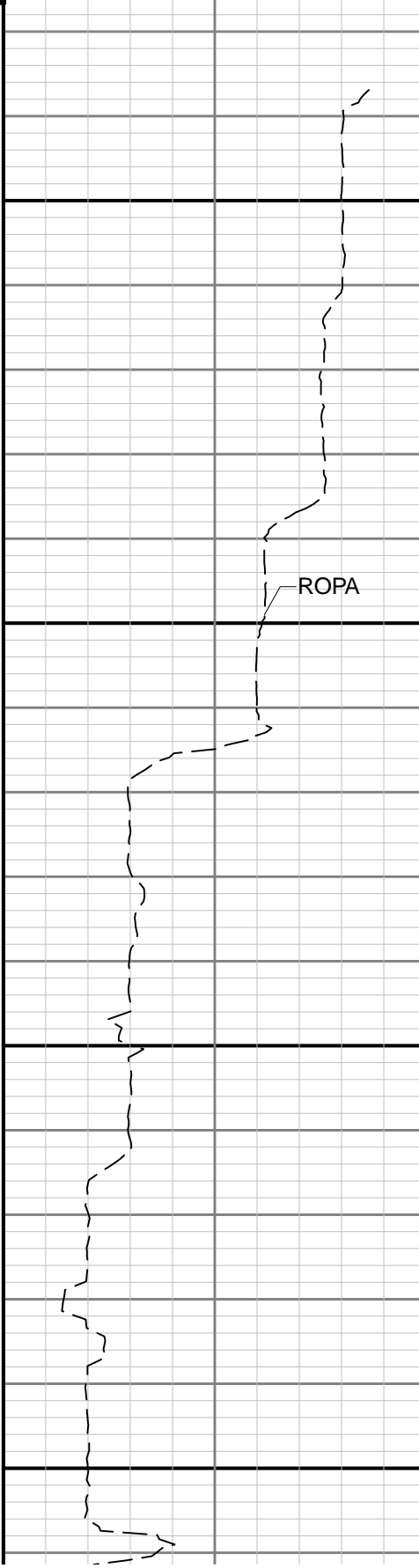


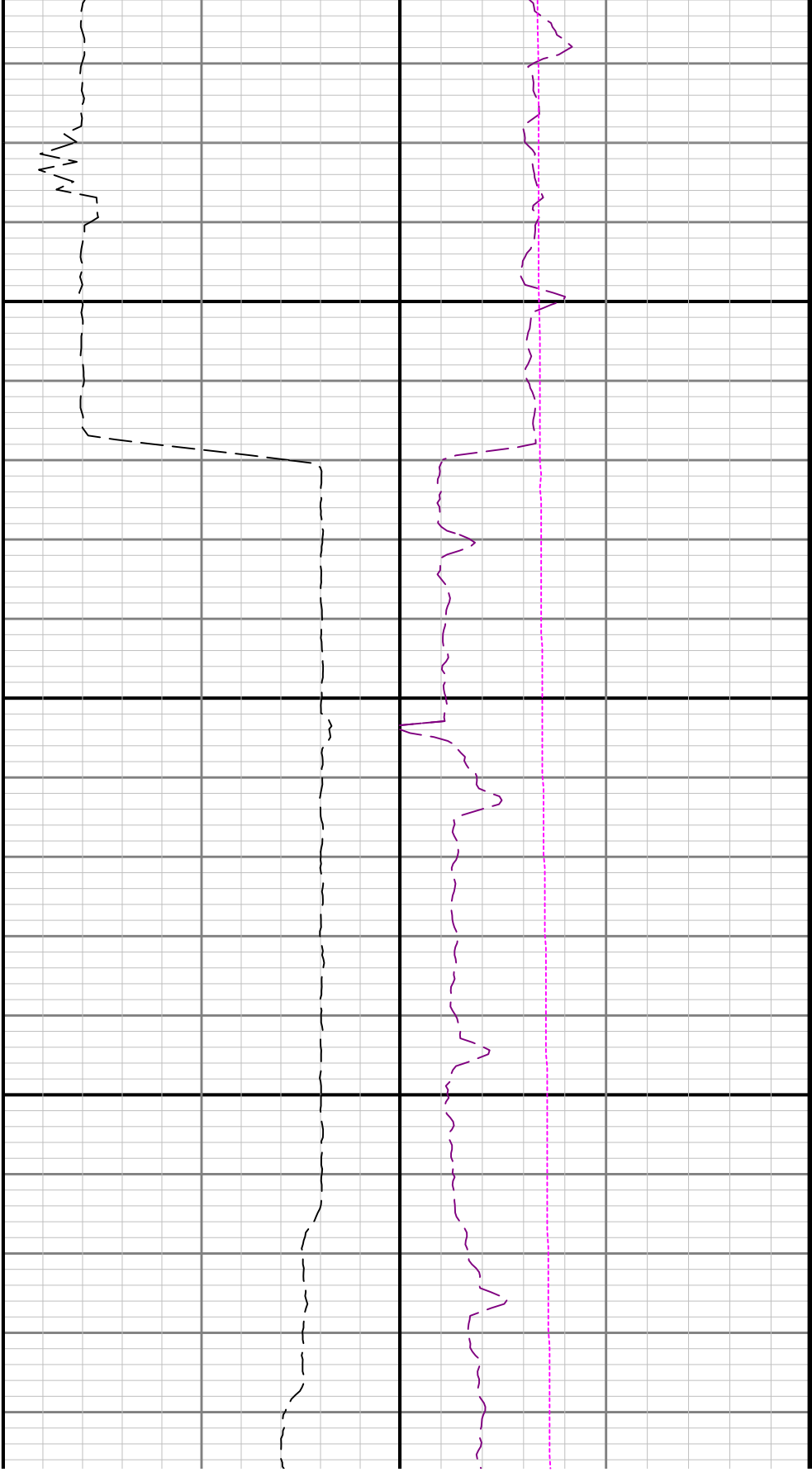


9 5/8" Casing

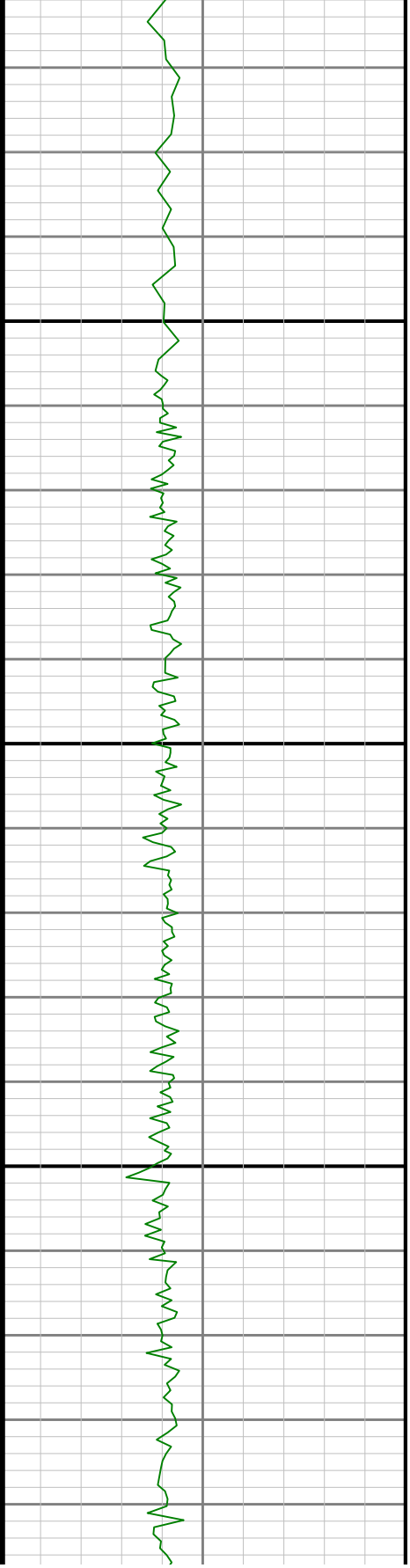
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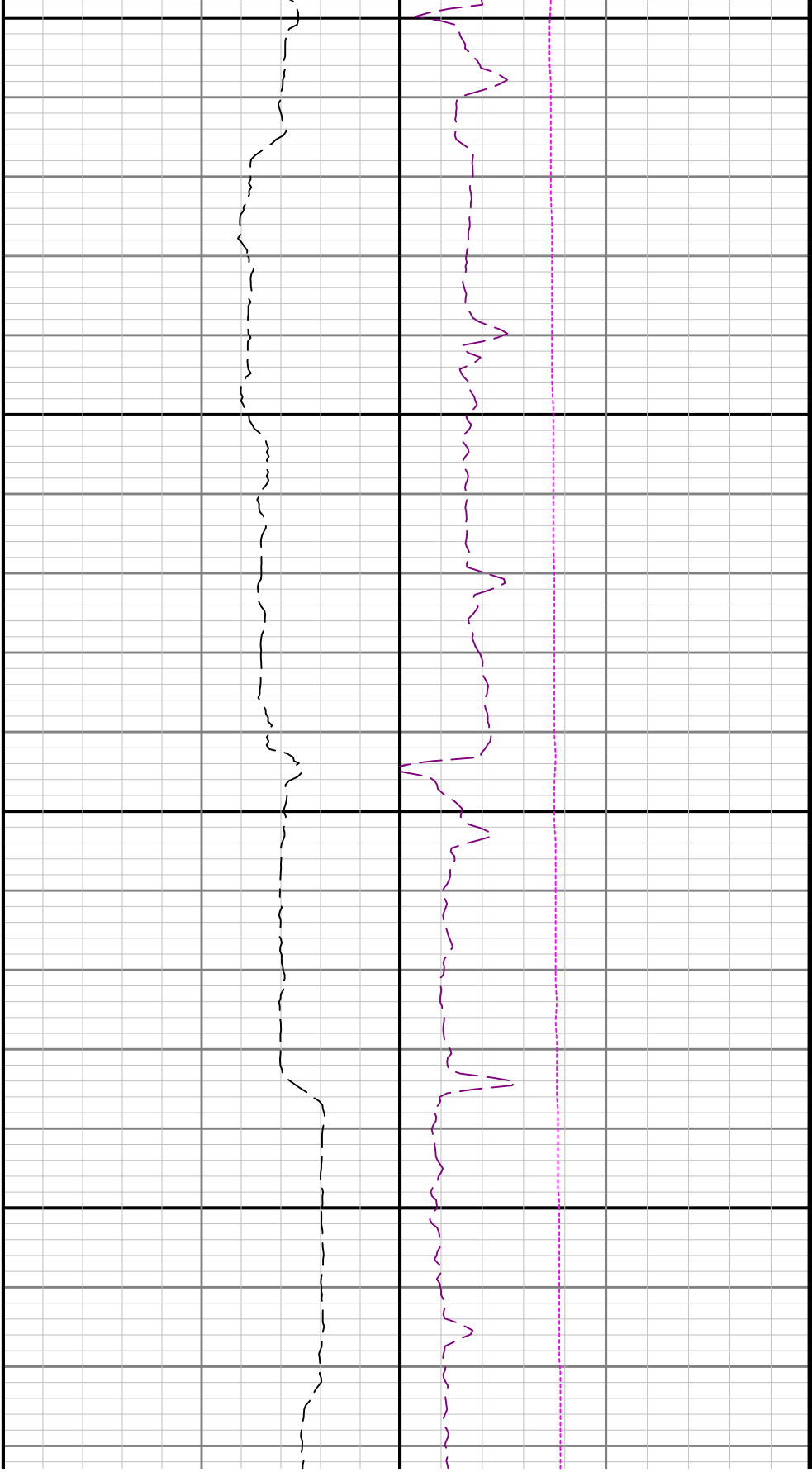
2100





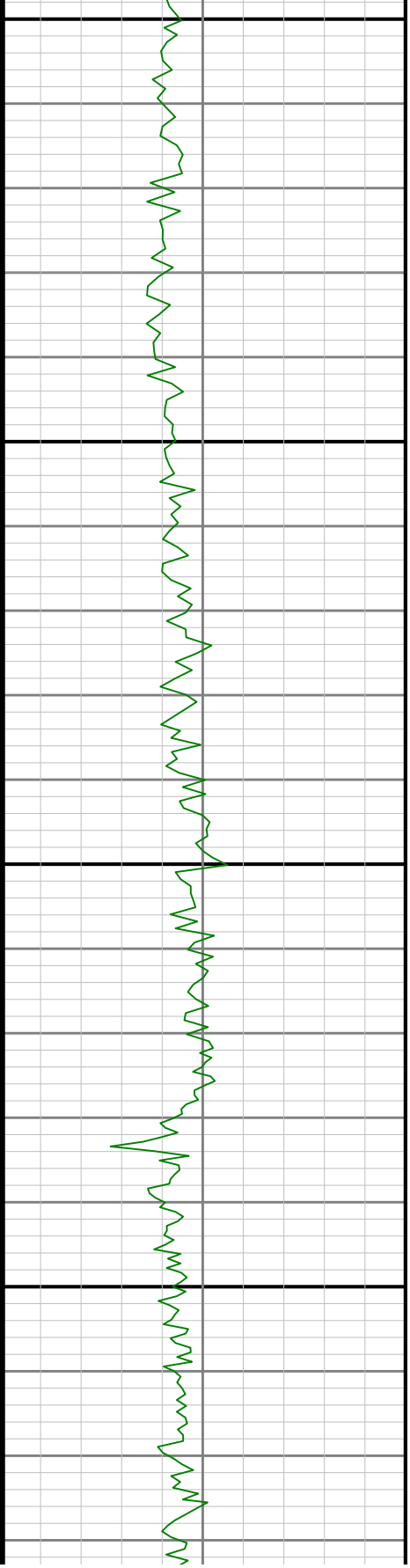
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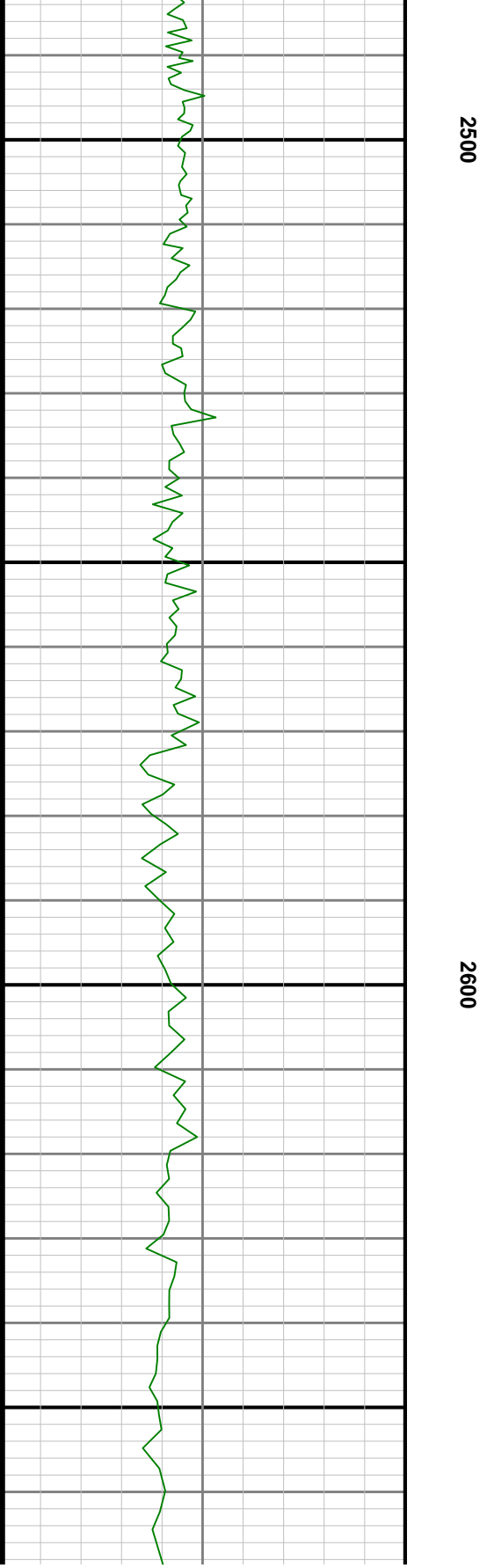
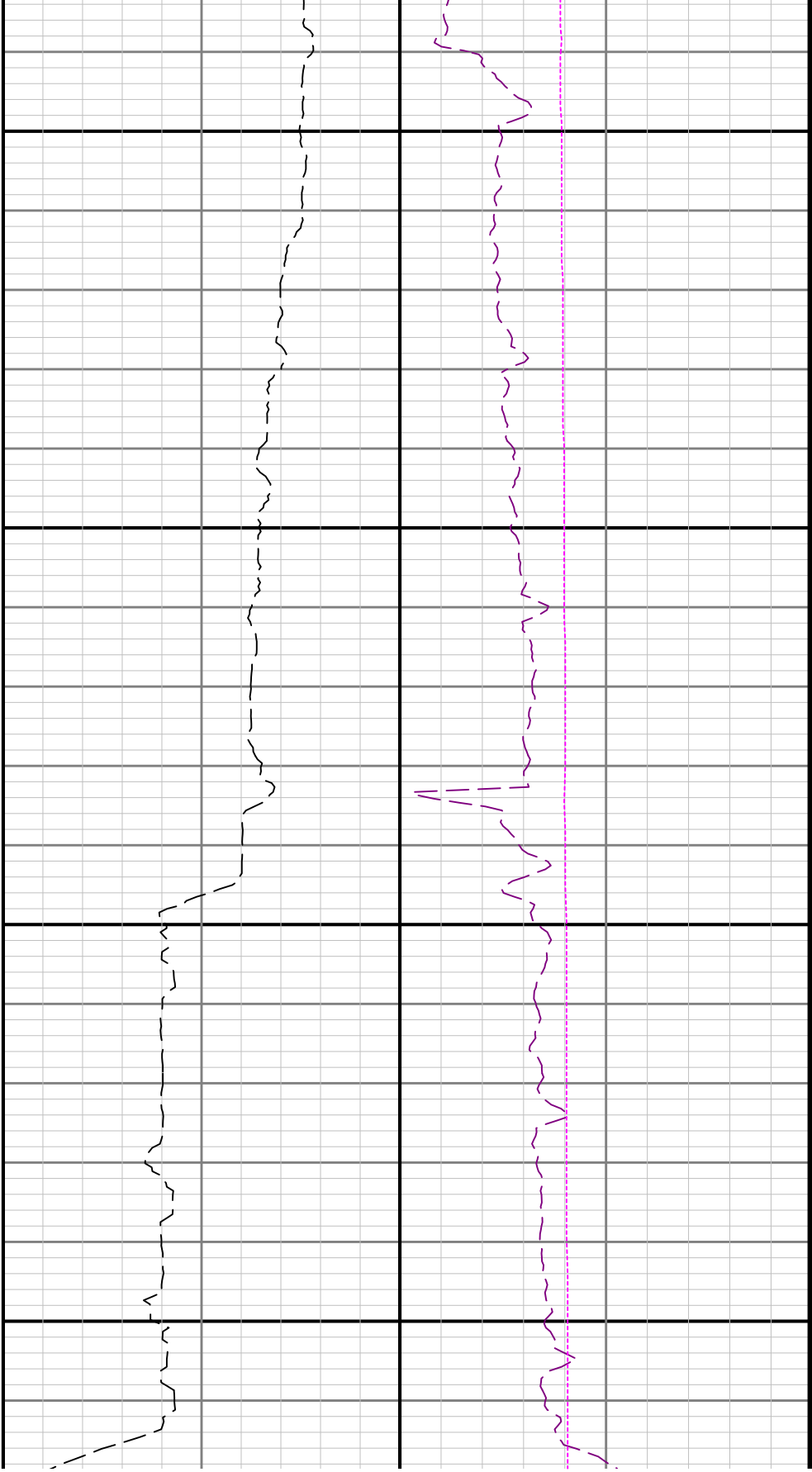


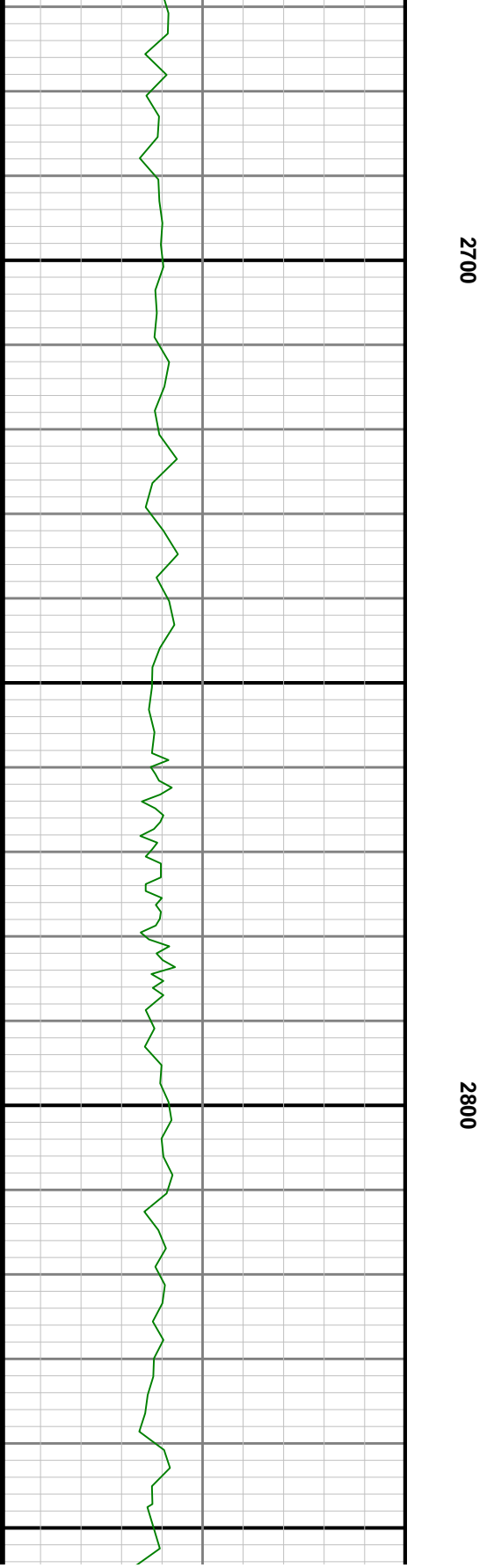
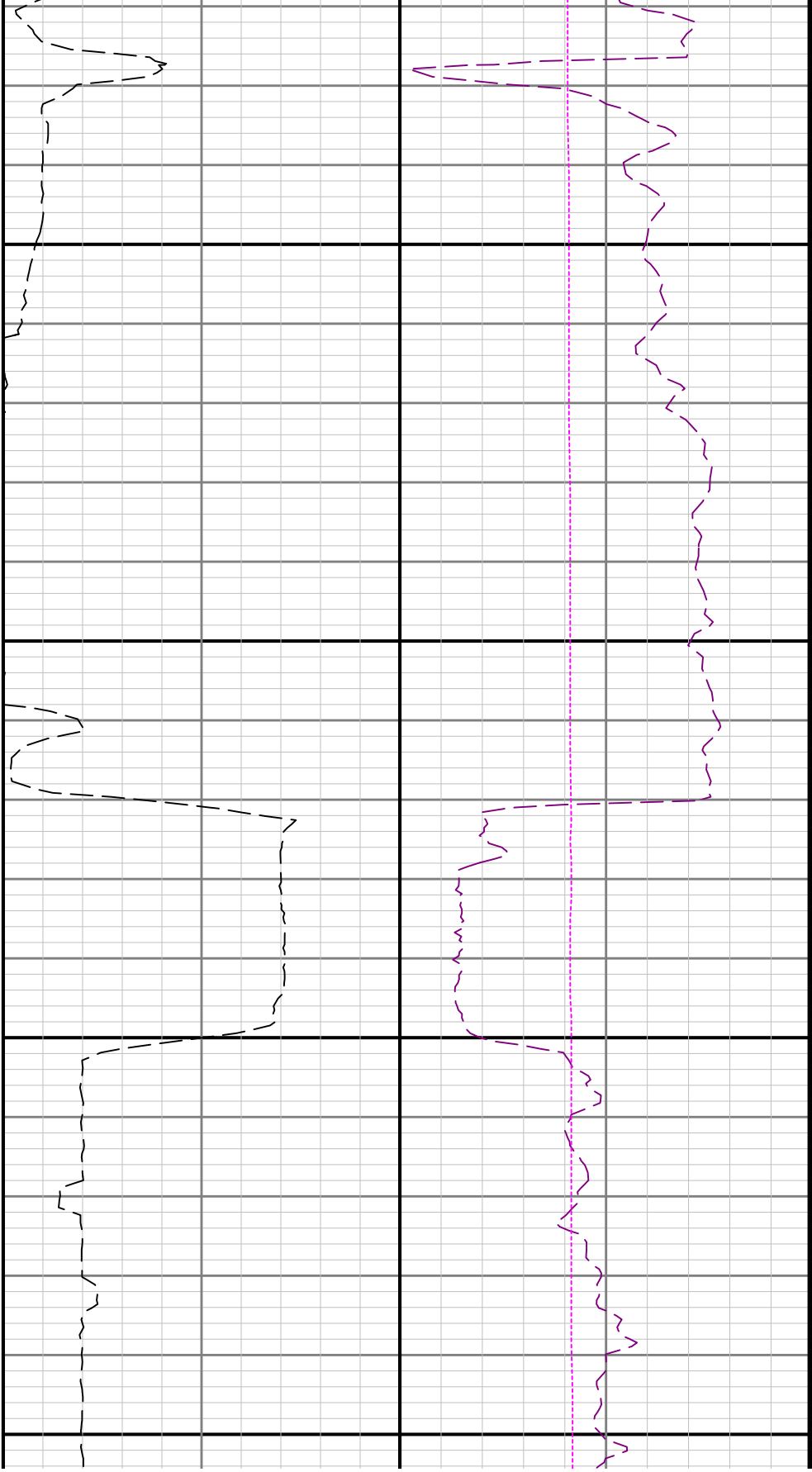


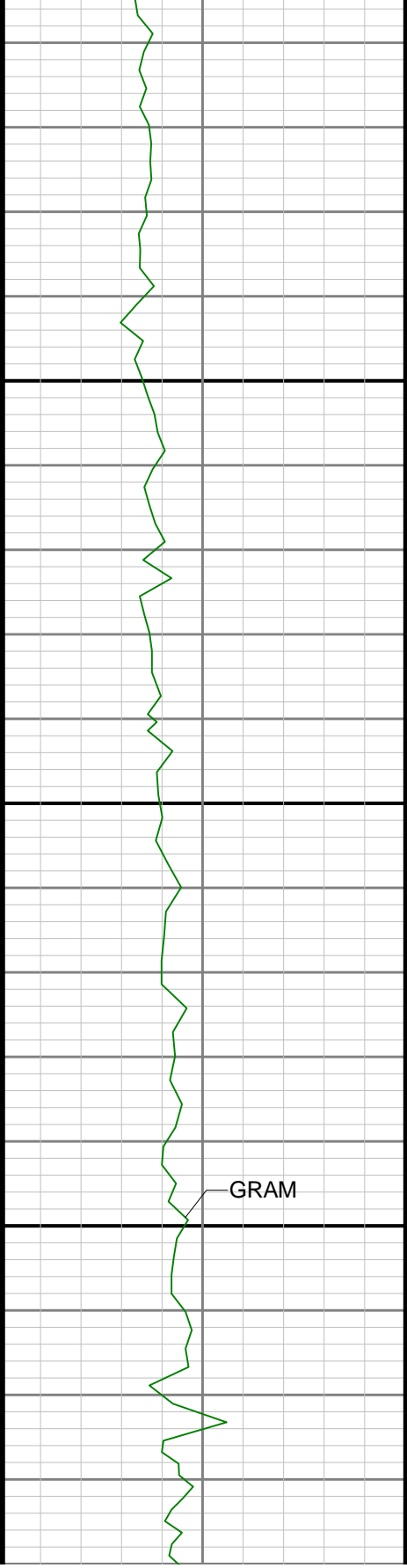
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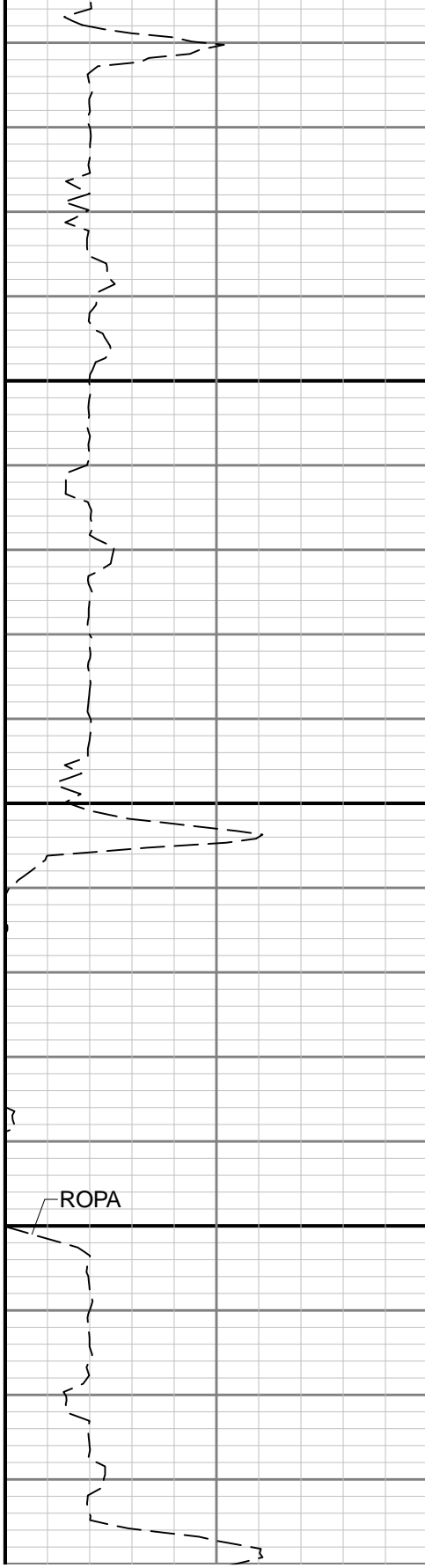




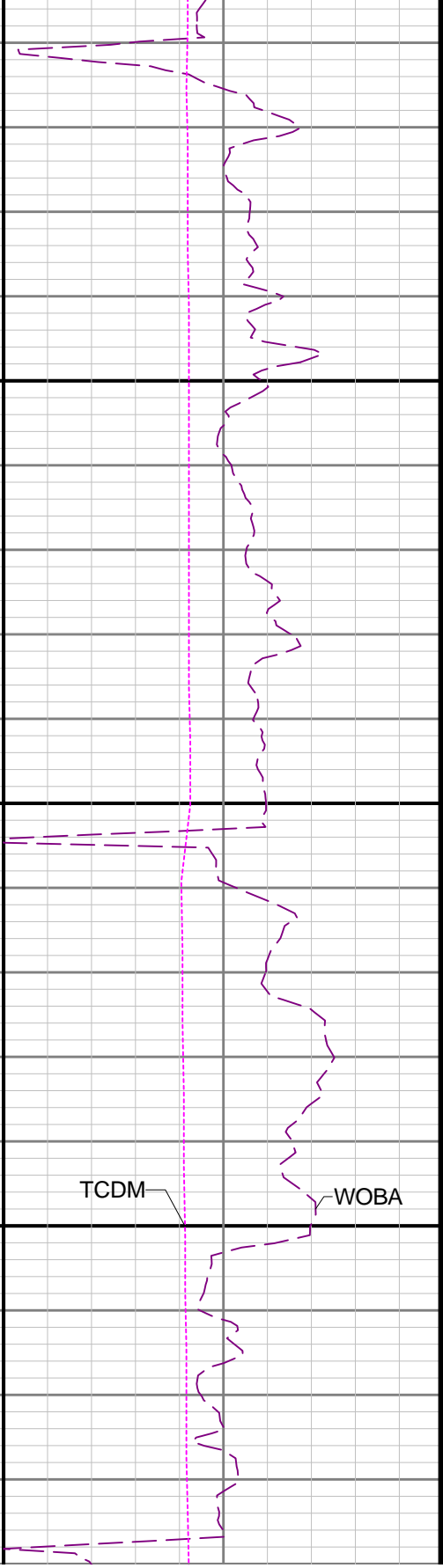


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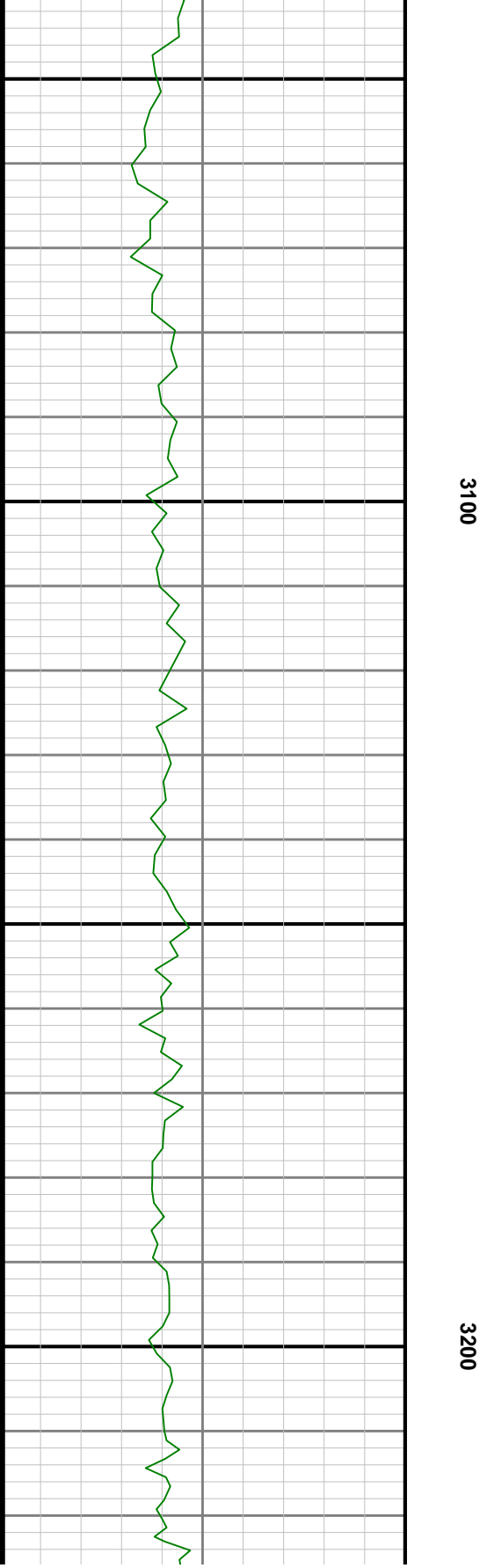
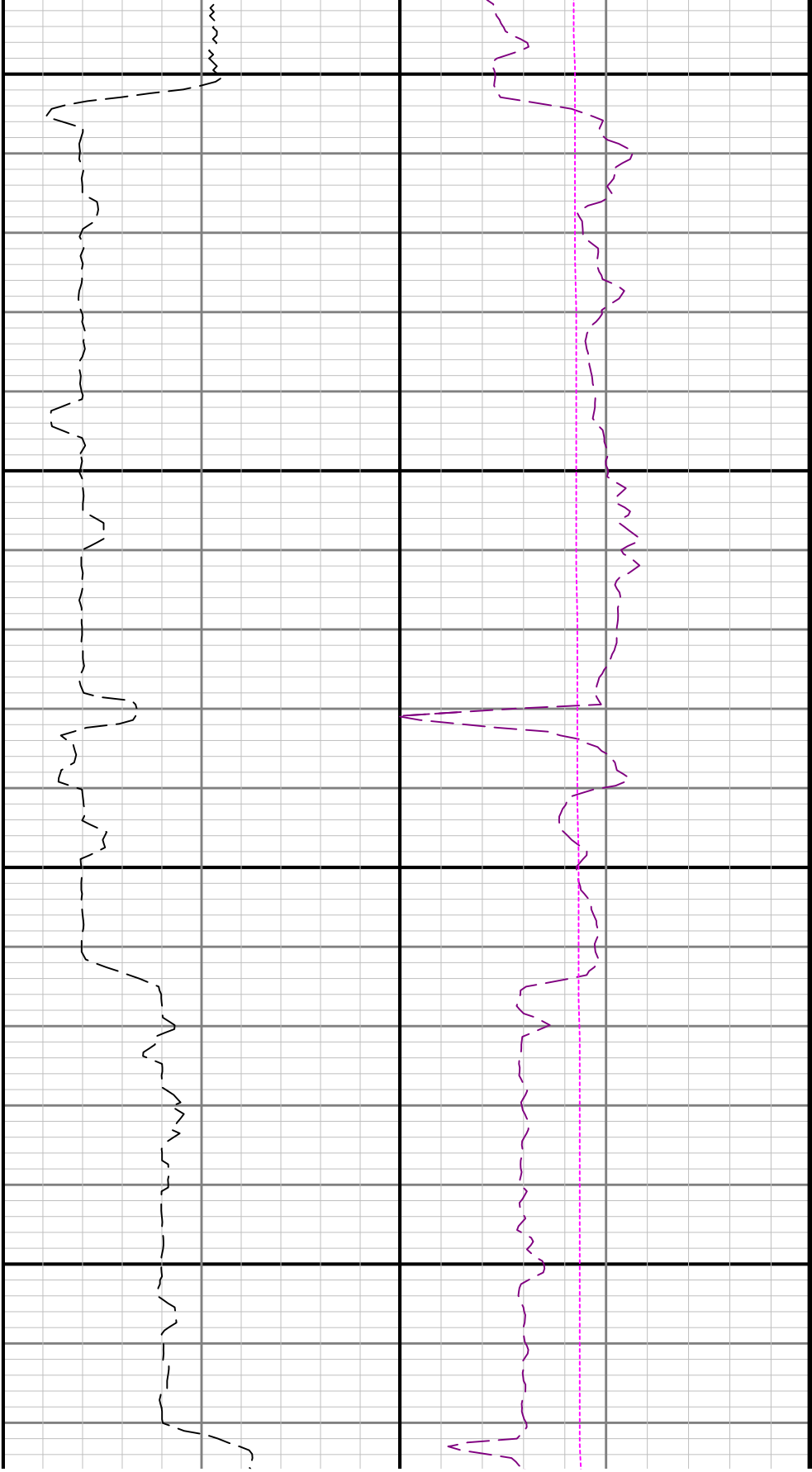
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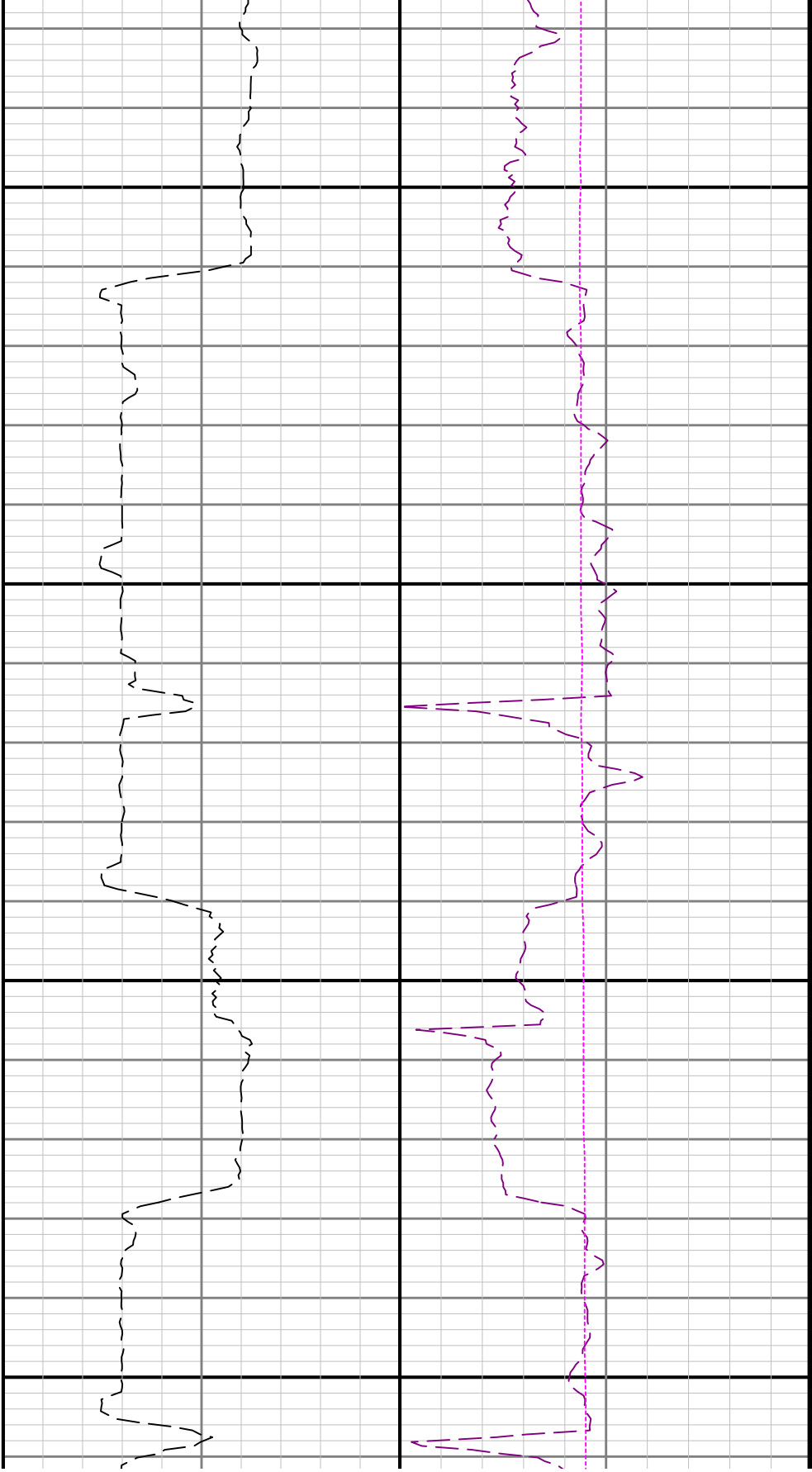


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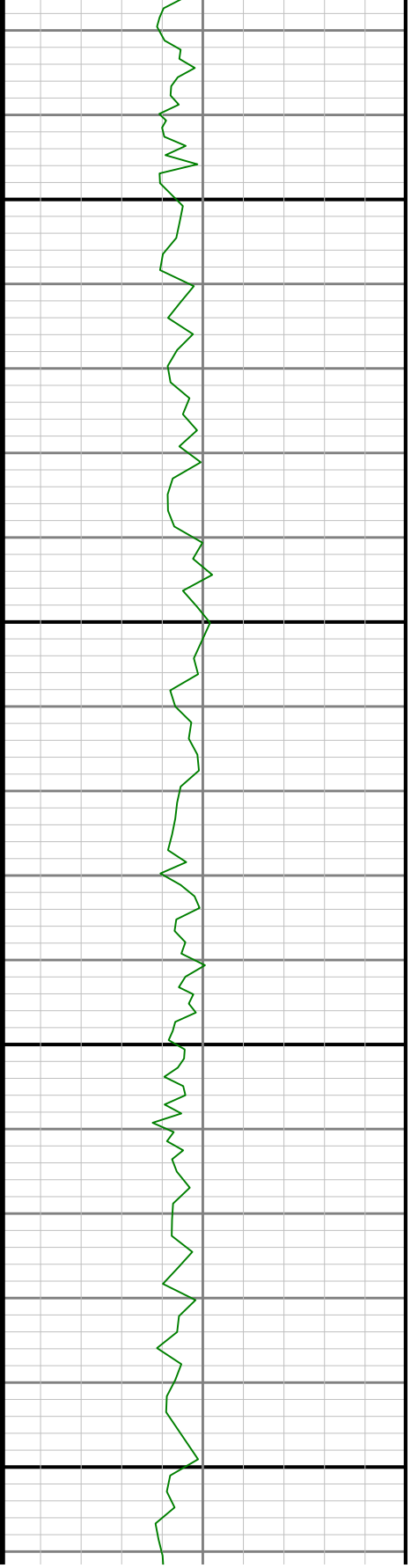






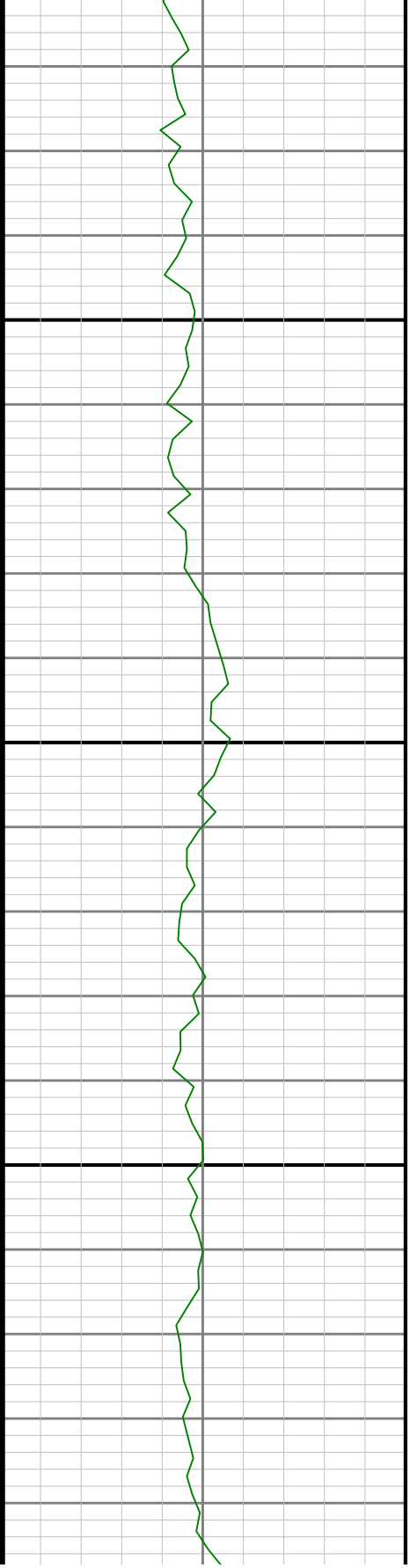
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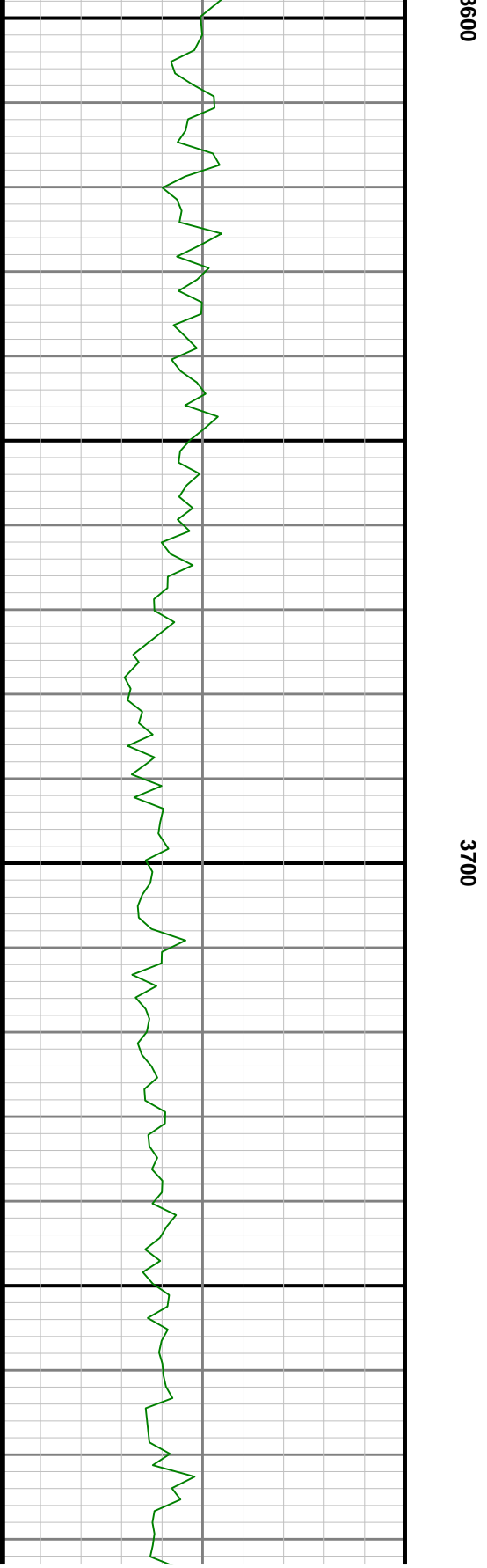
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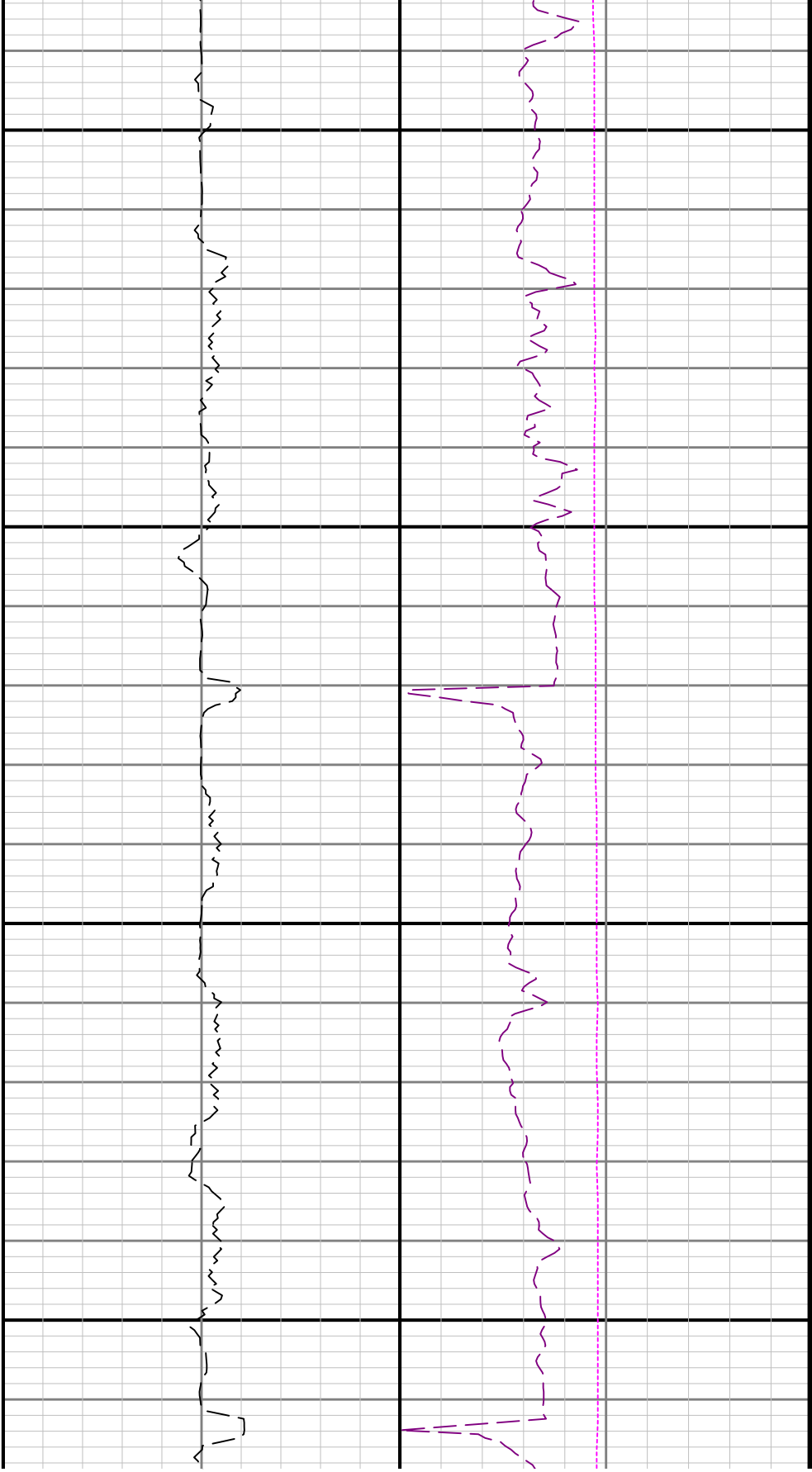




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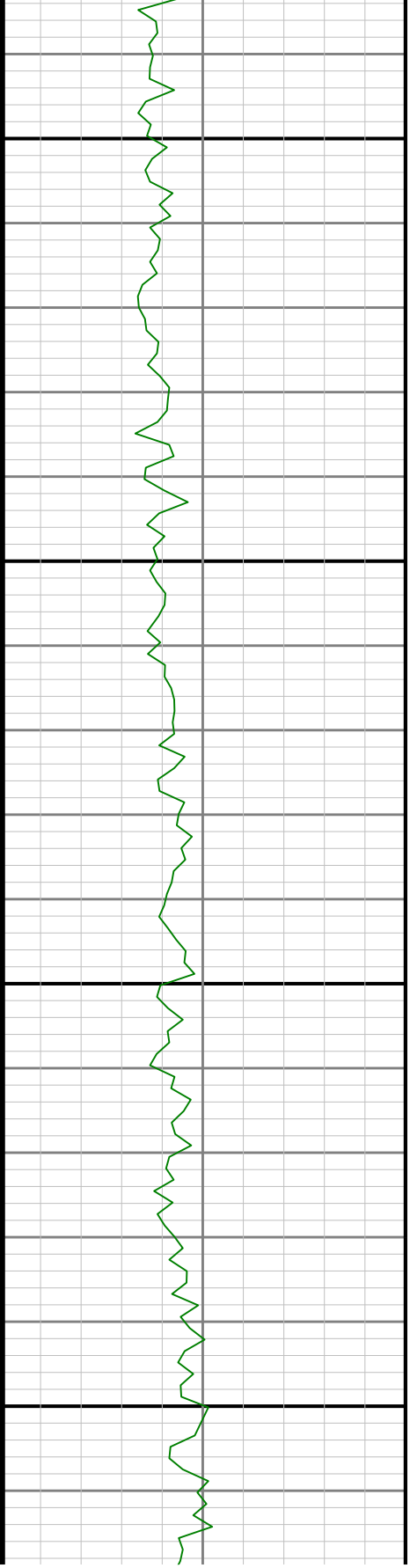


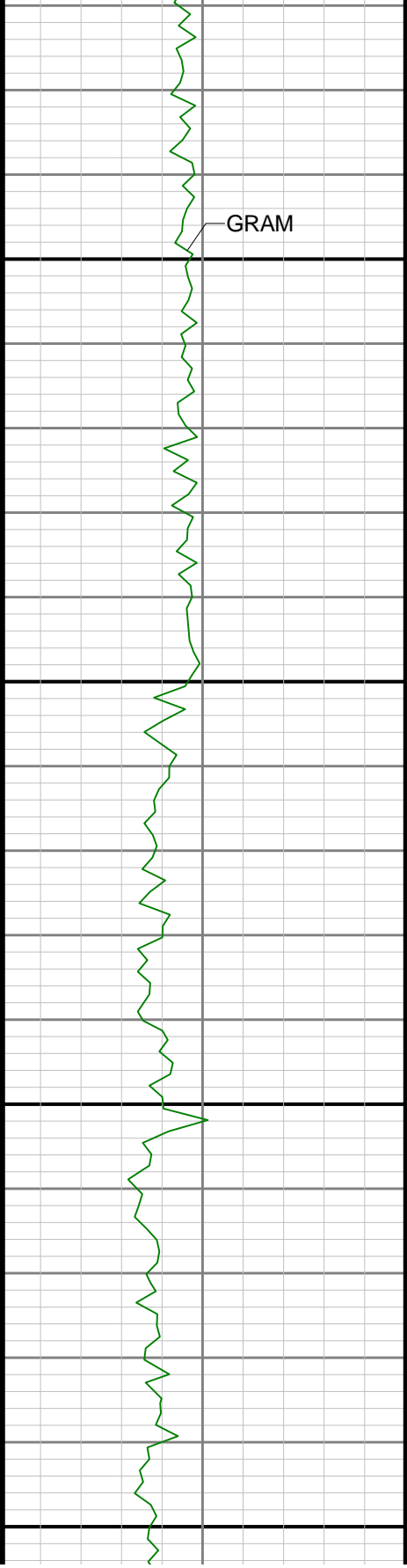




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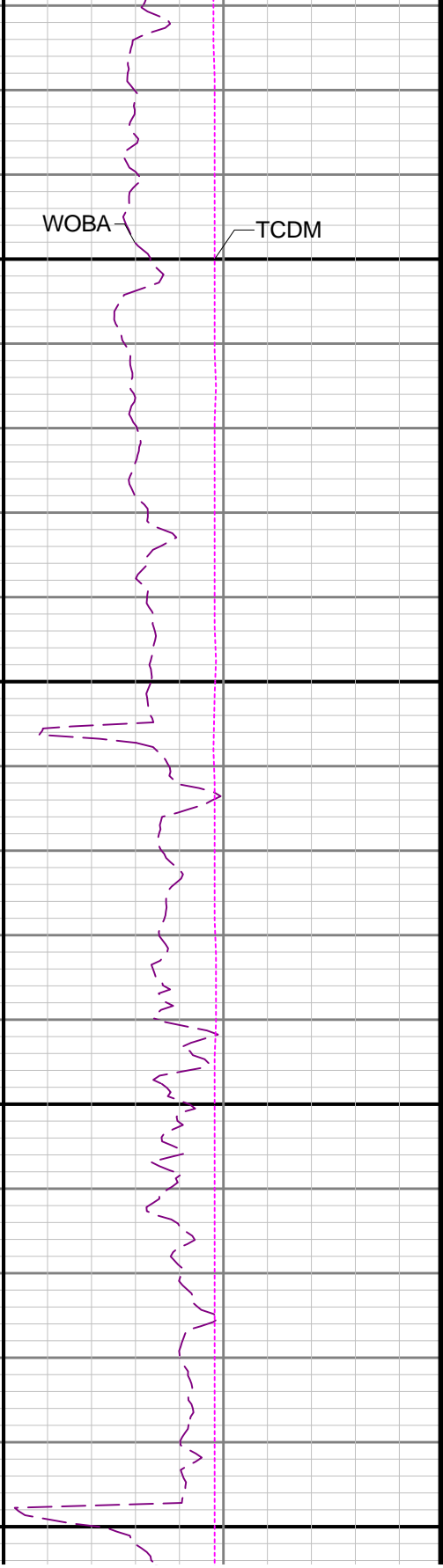
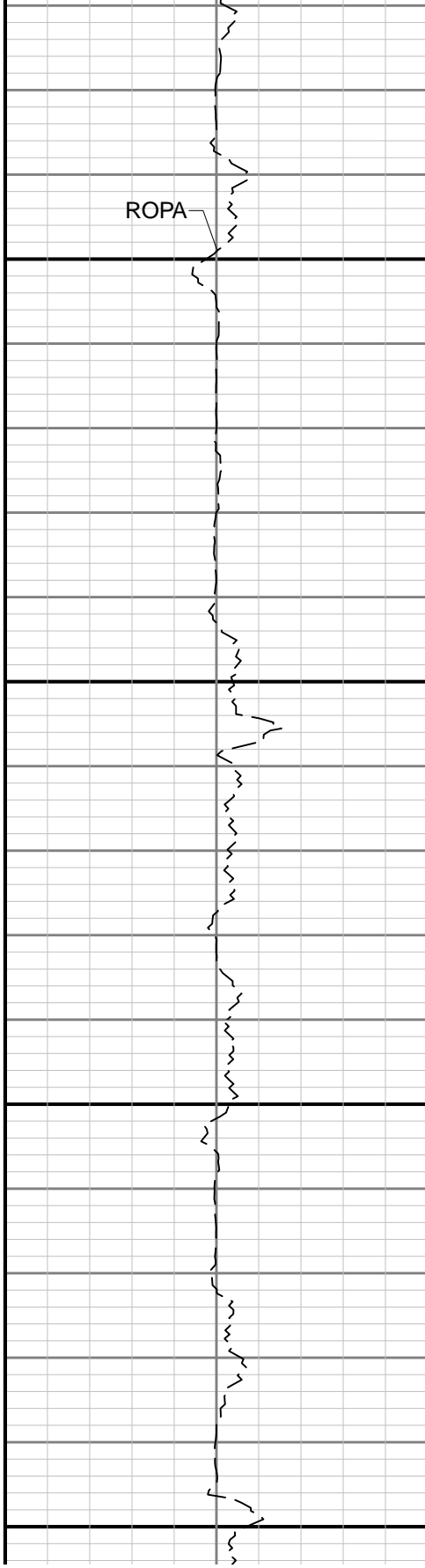
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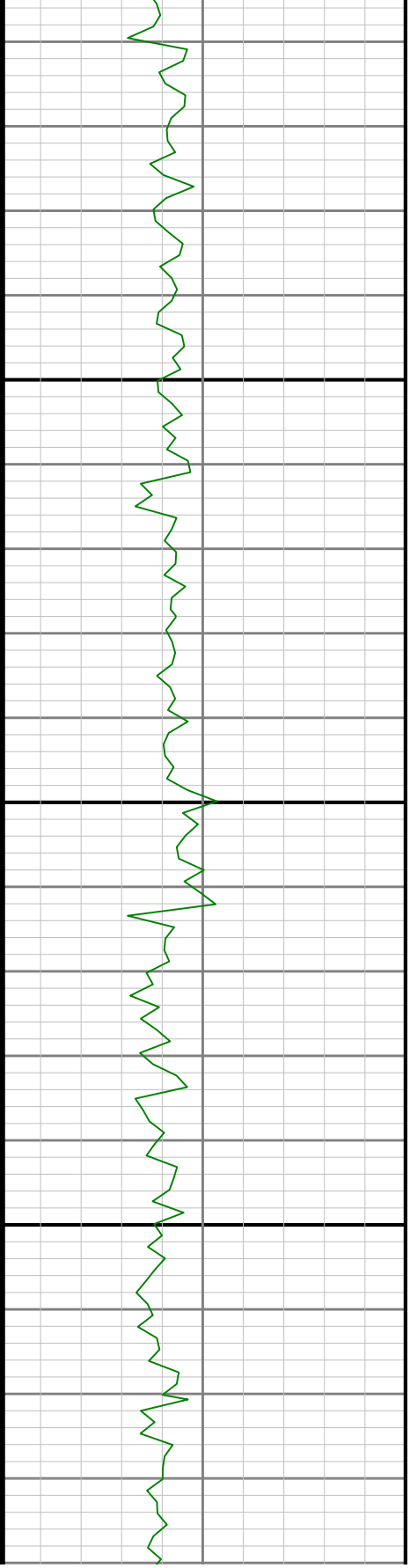
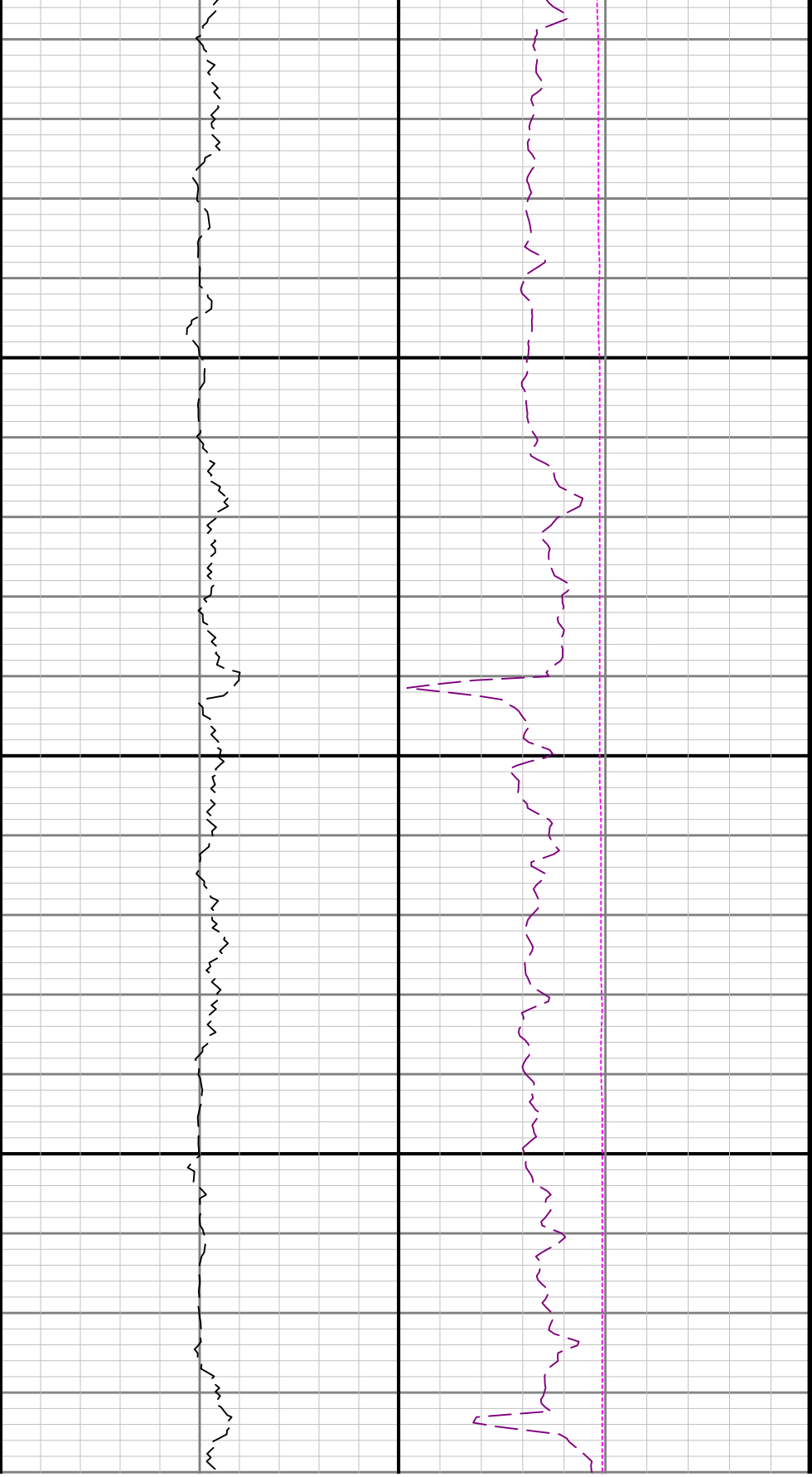


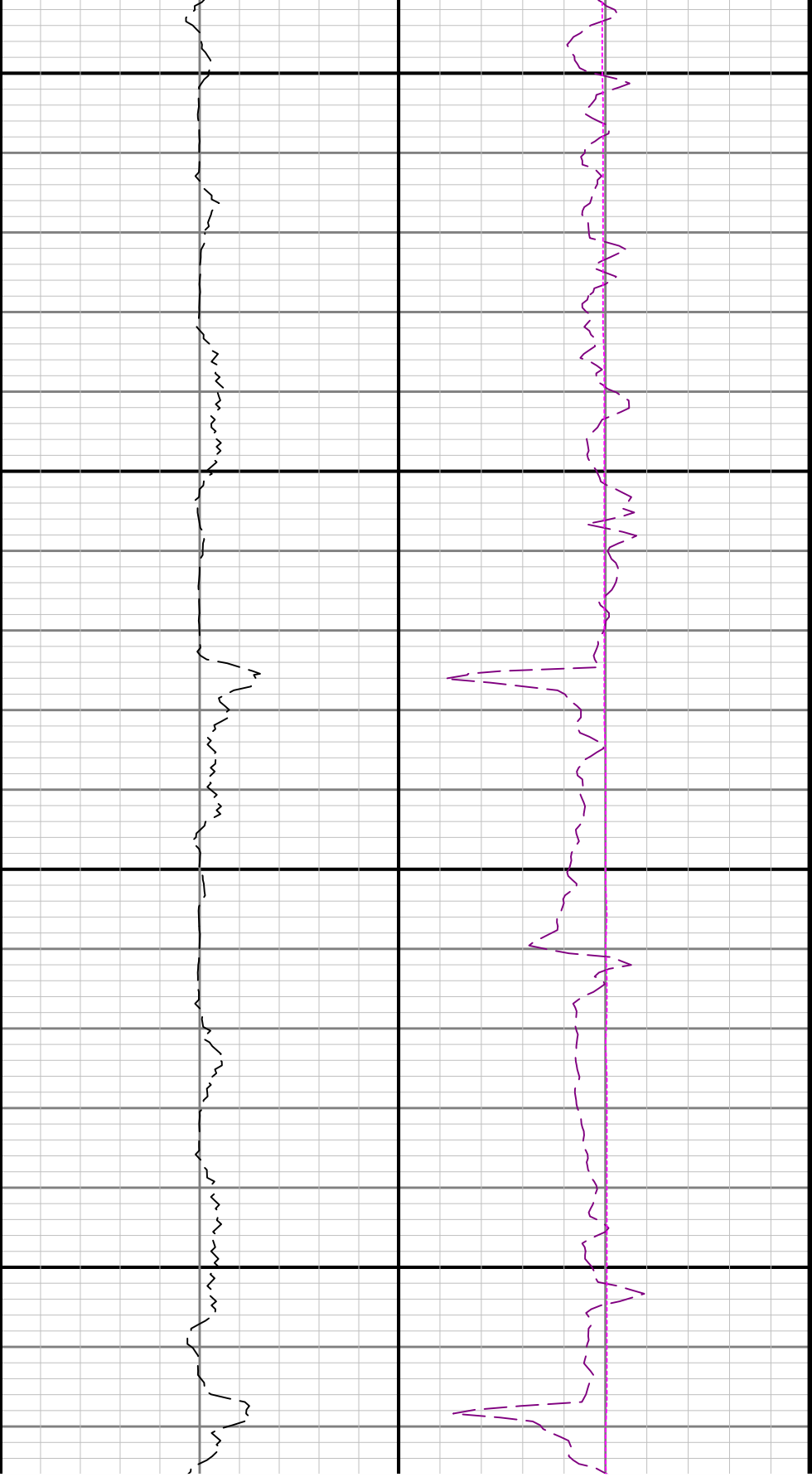


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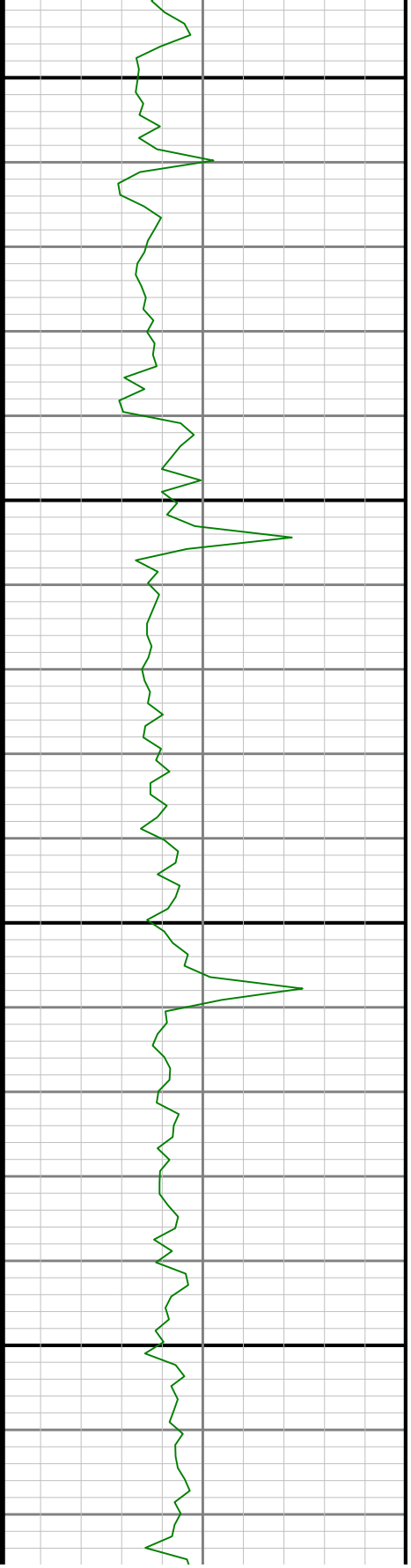




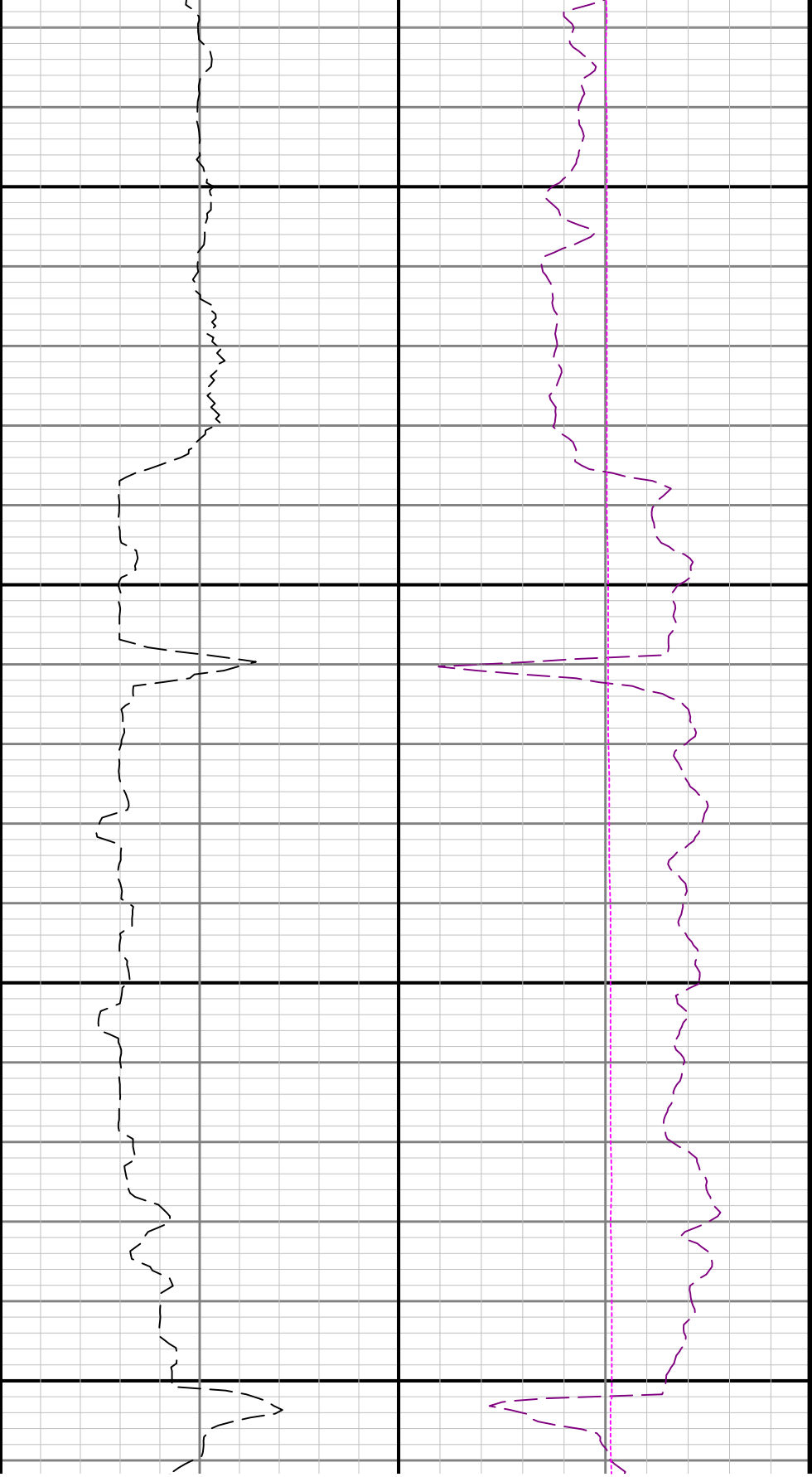


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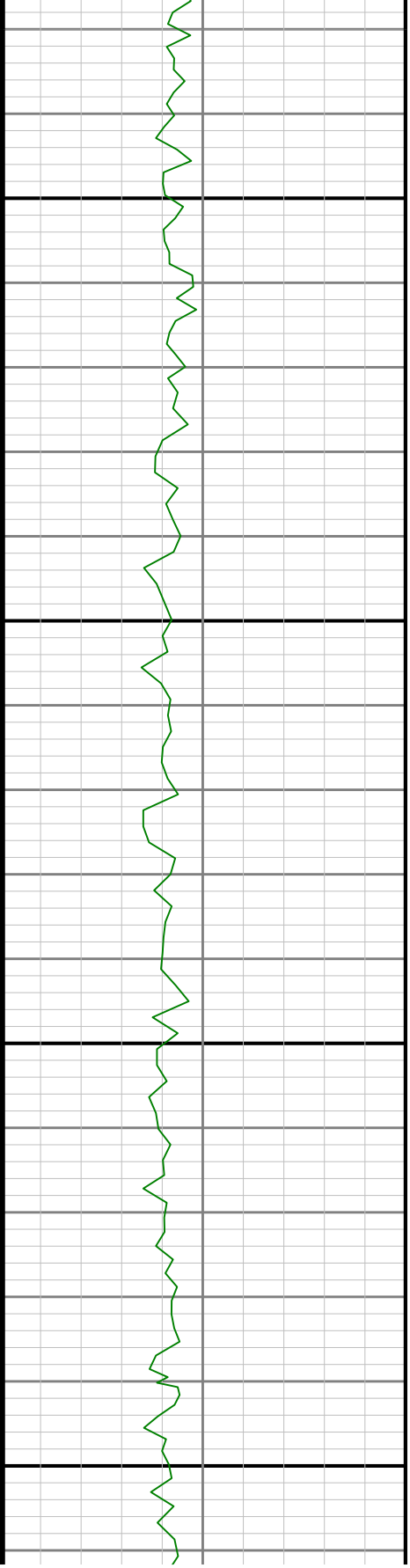


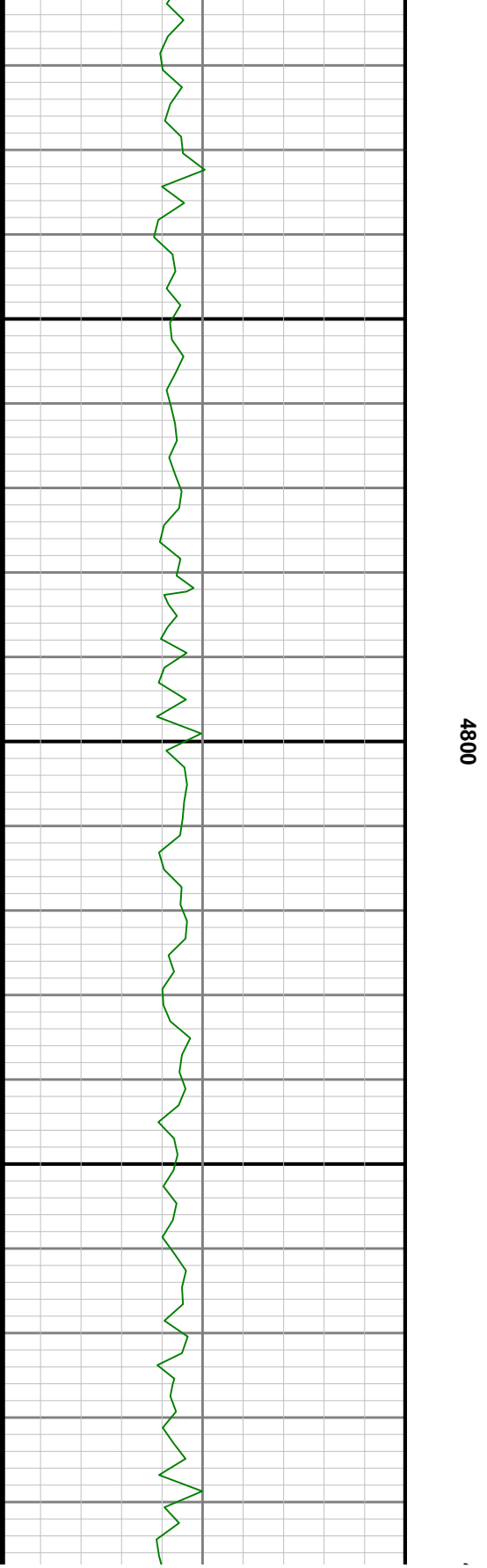
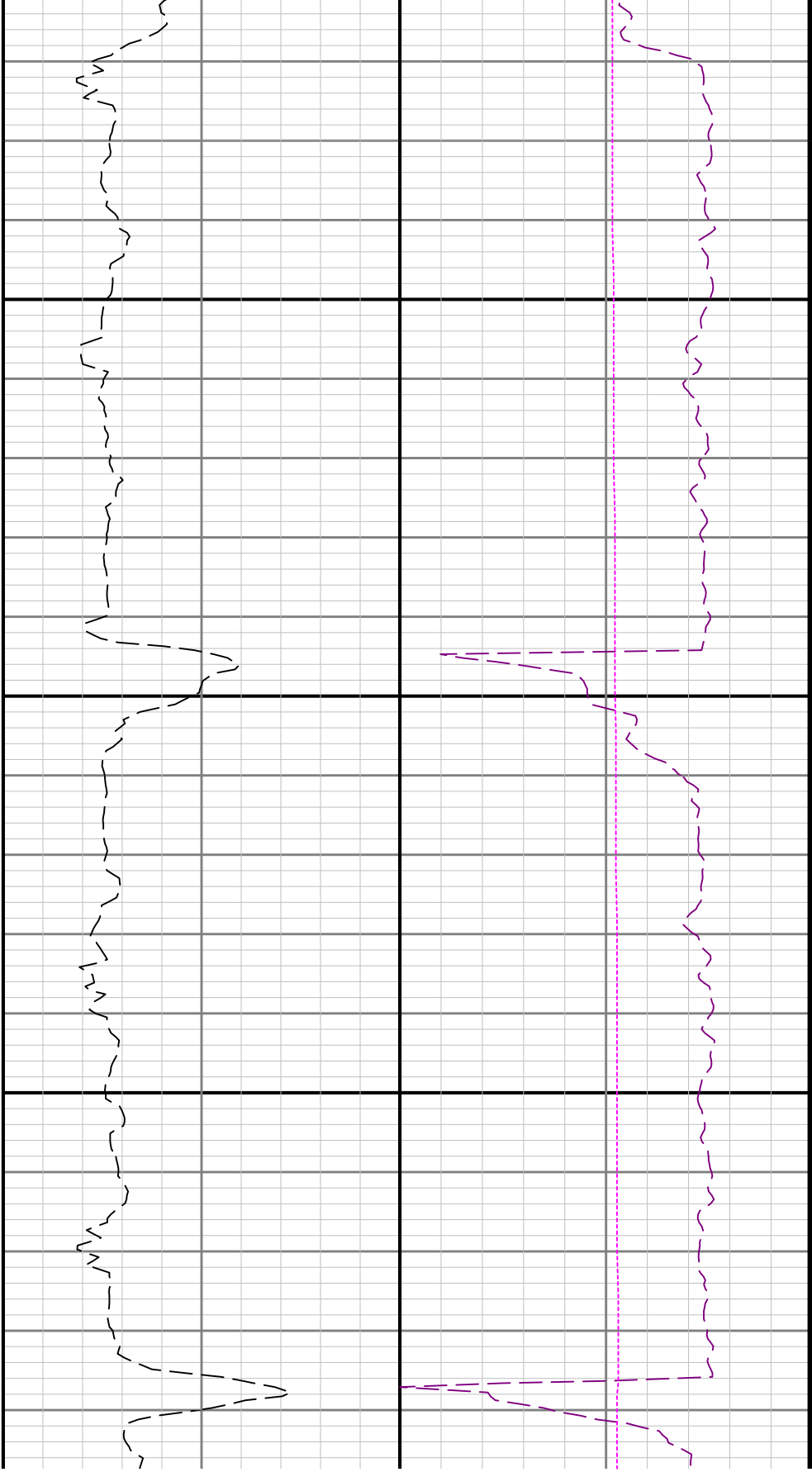


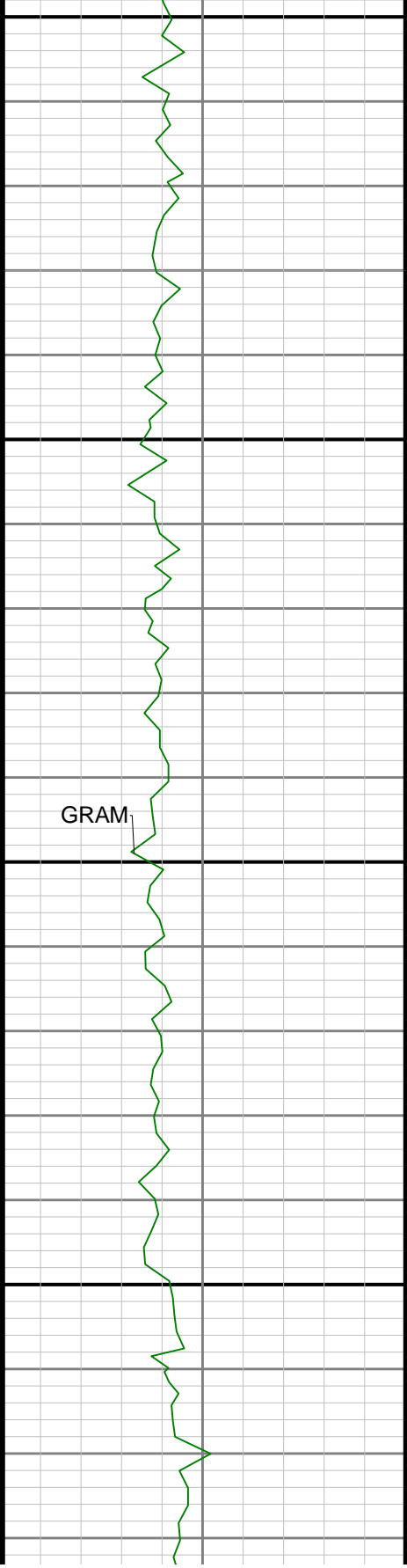


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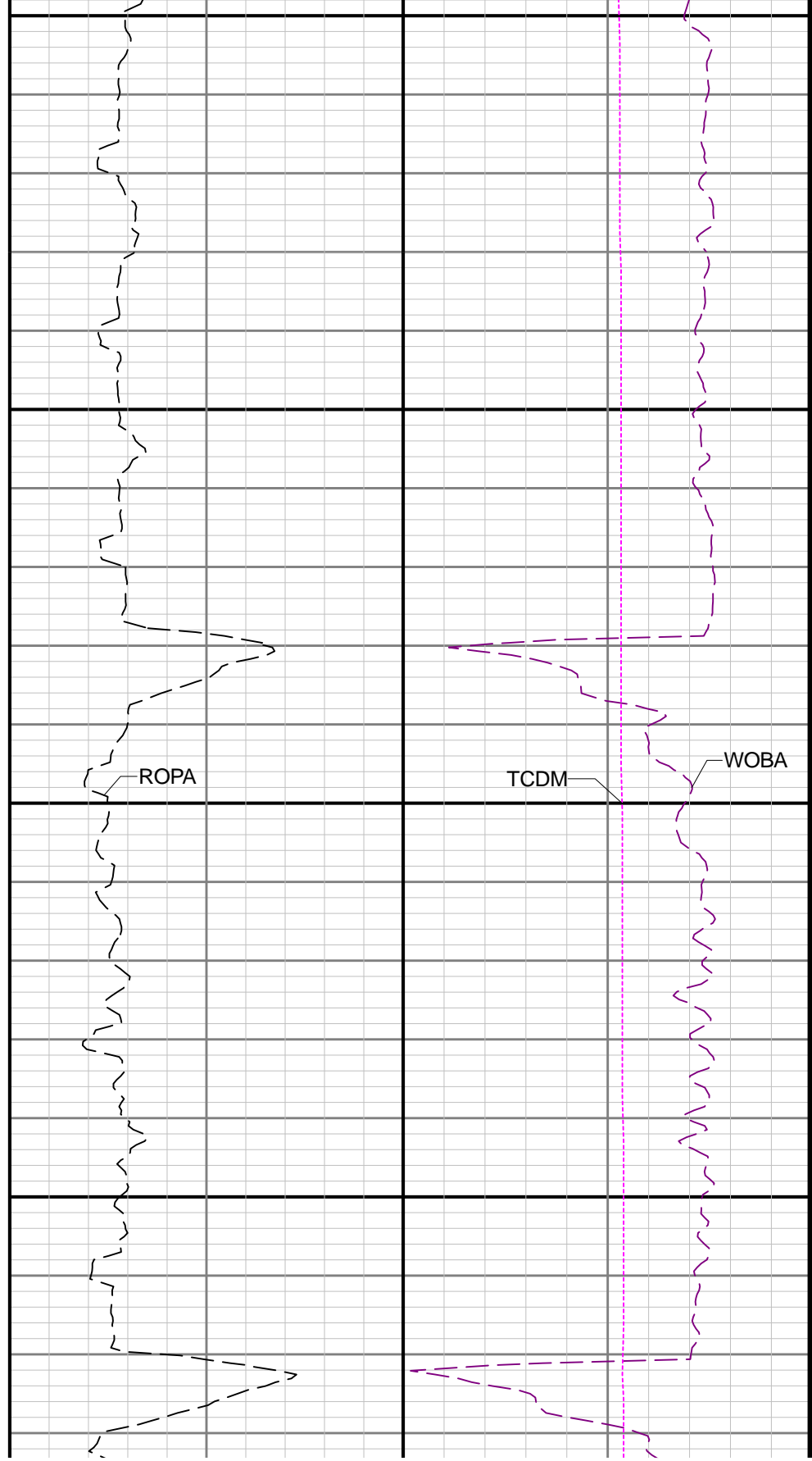


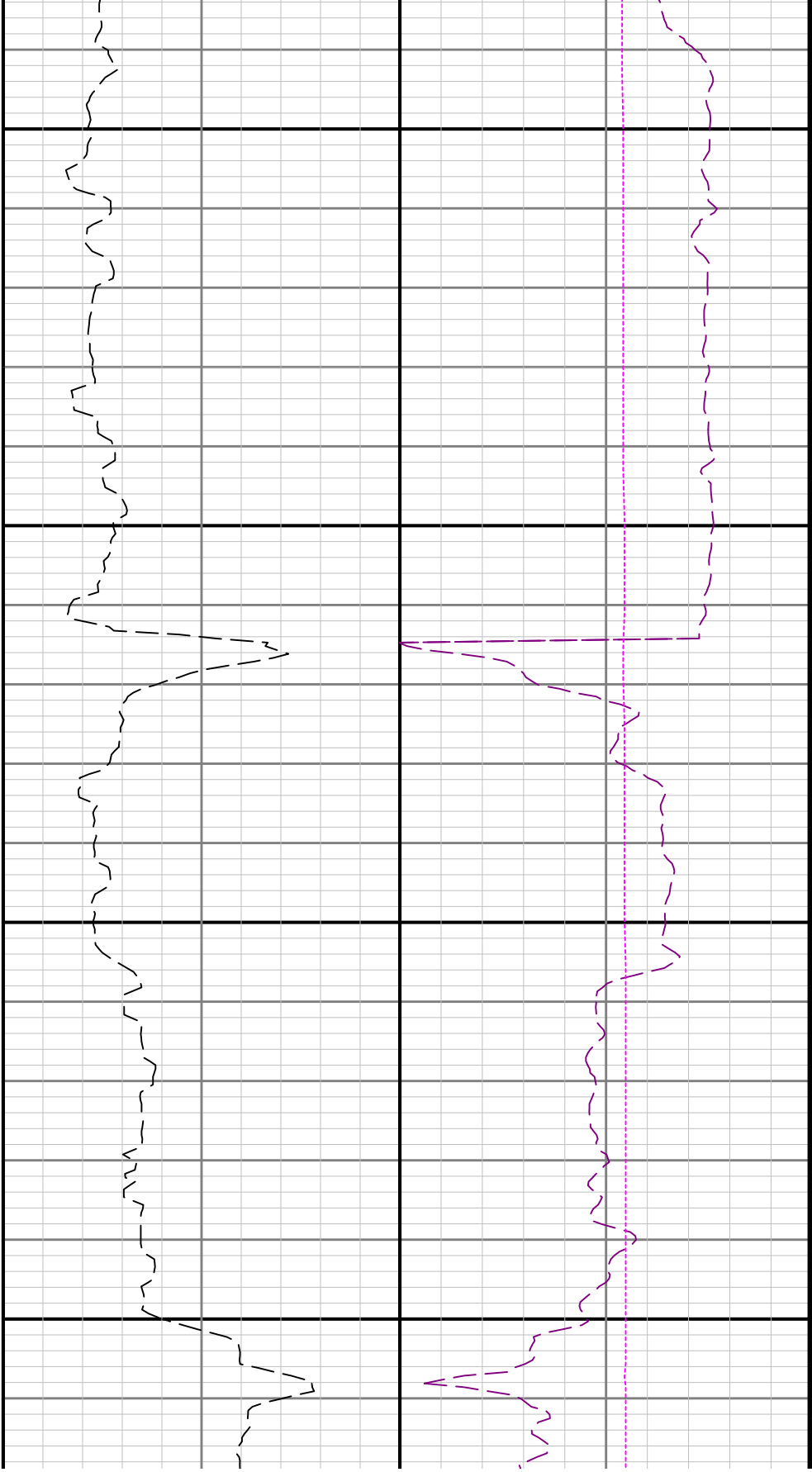




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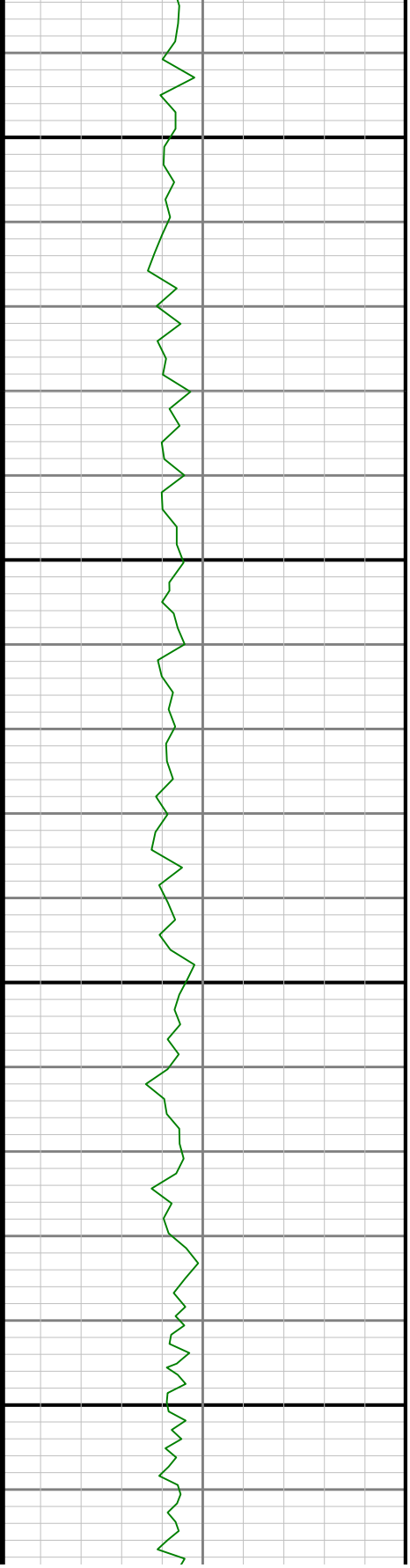
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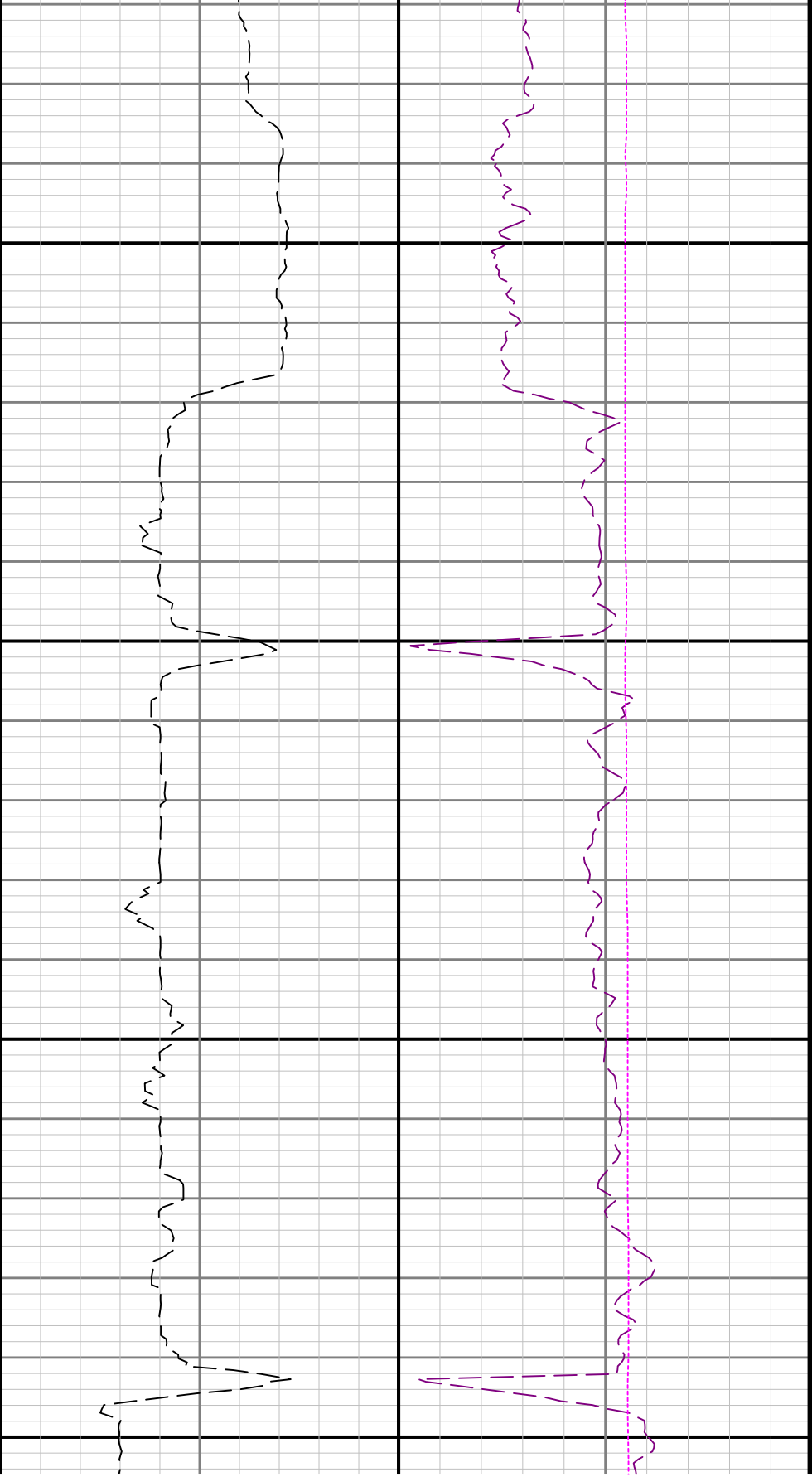




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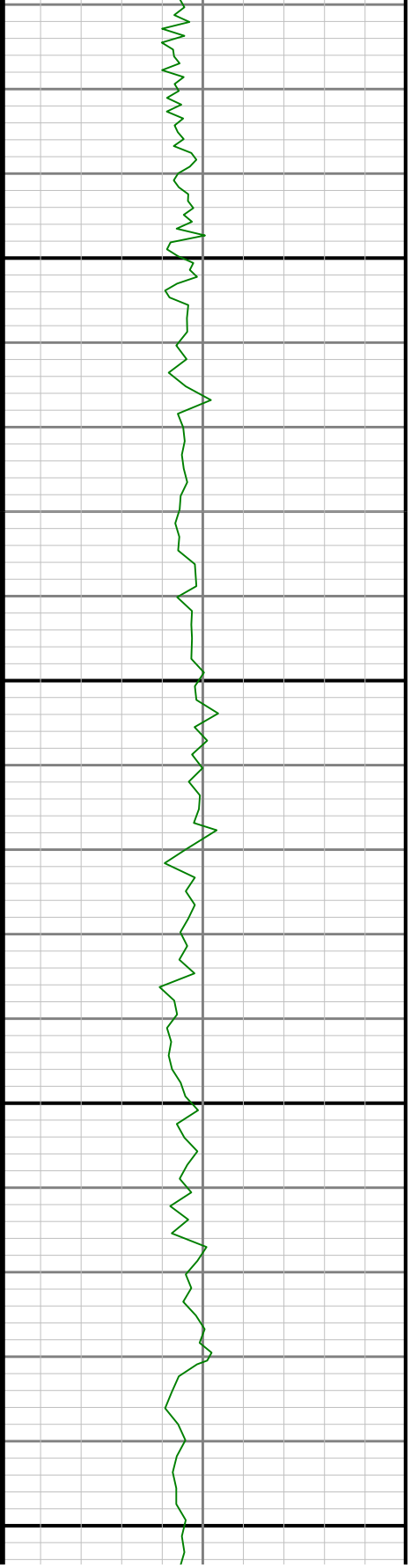
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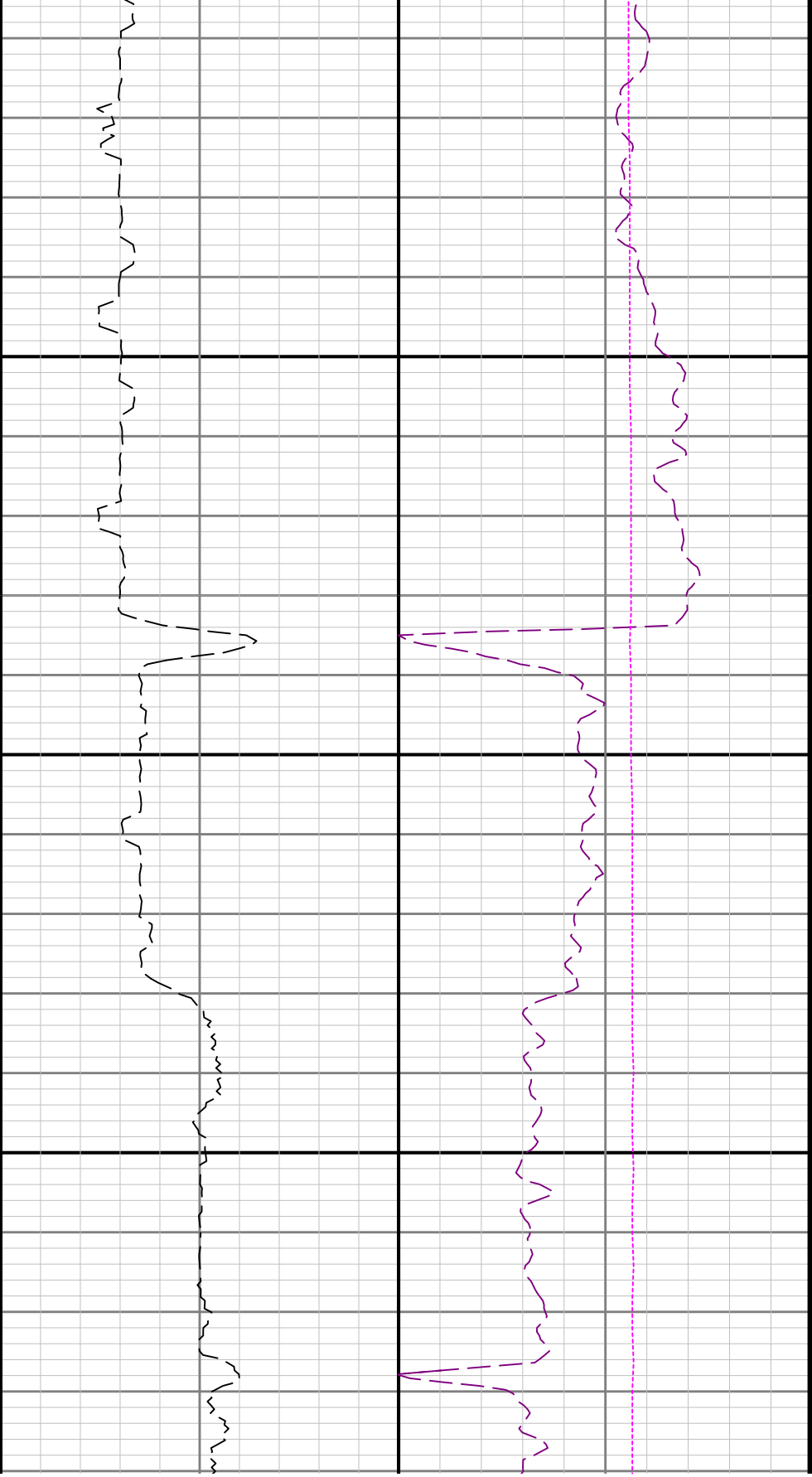




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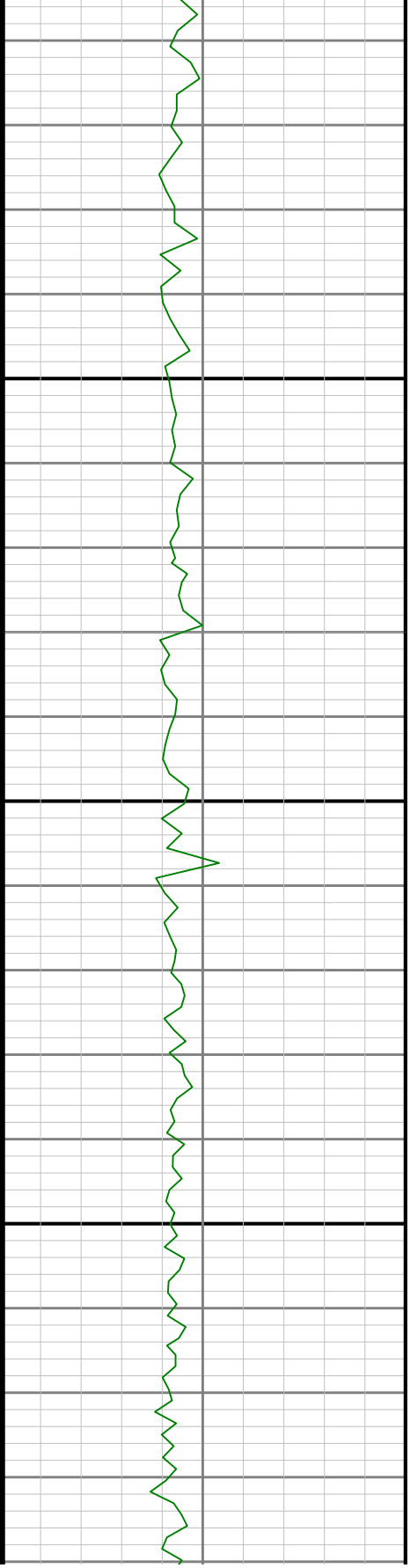
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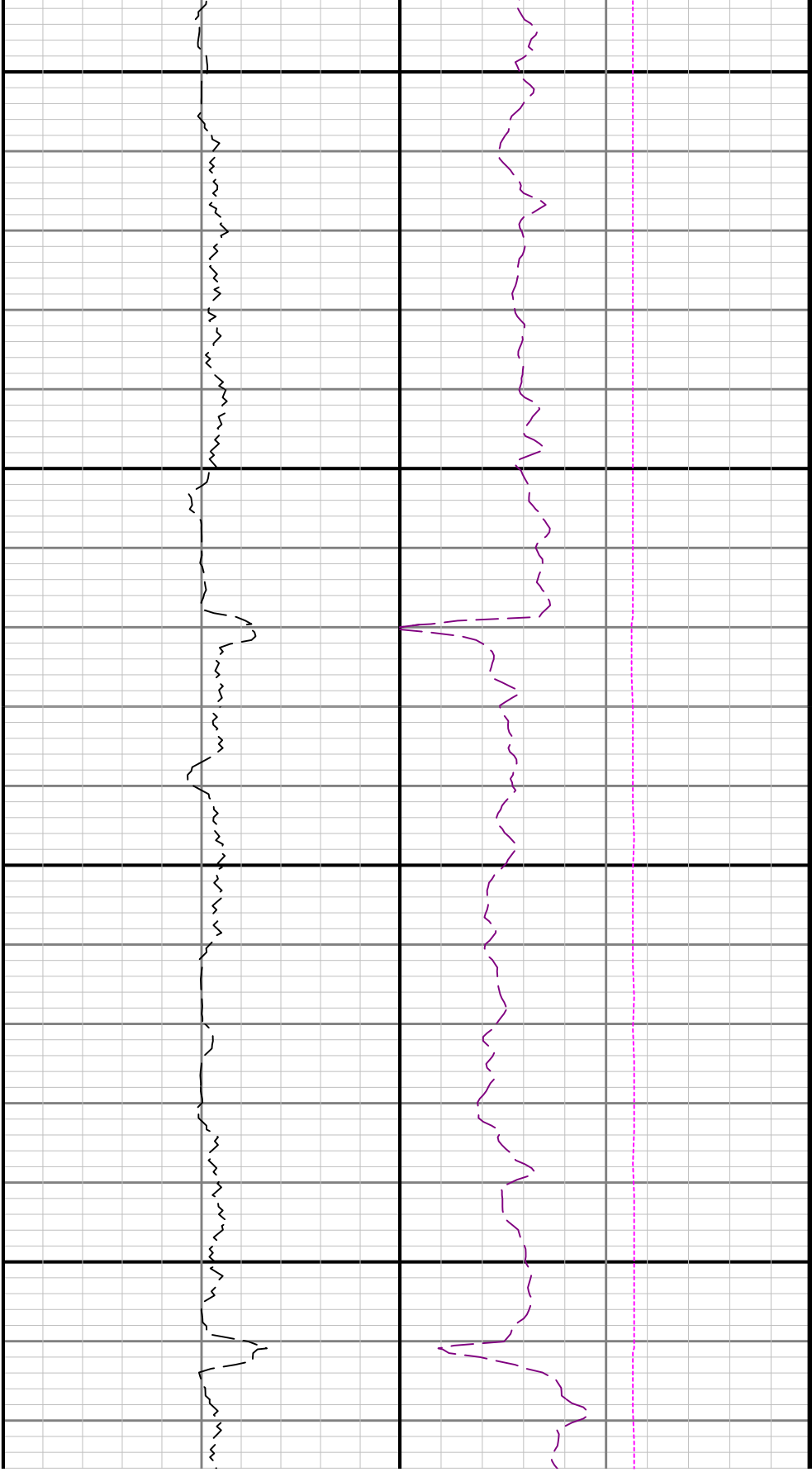




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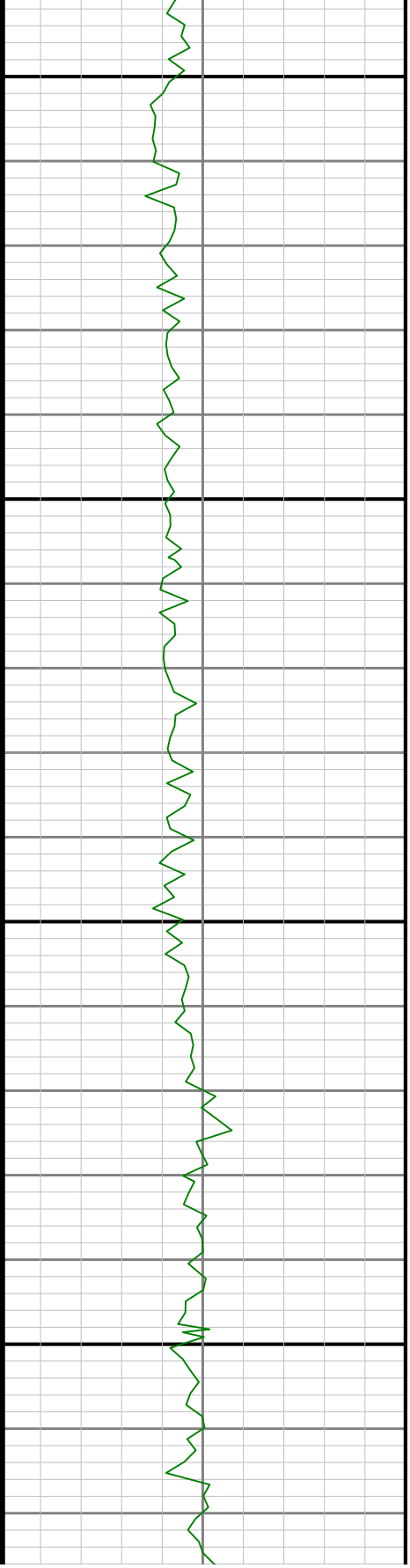
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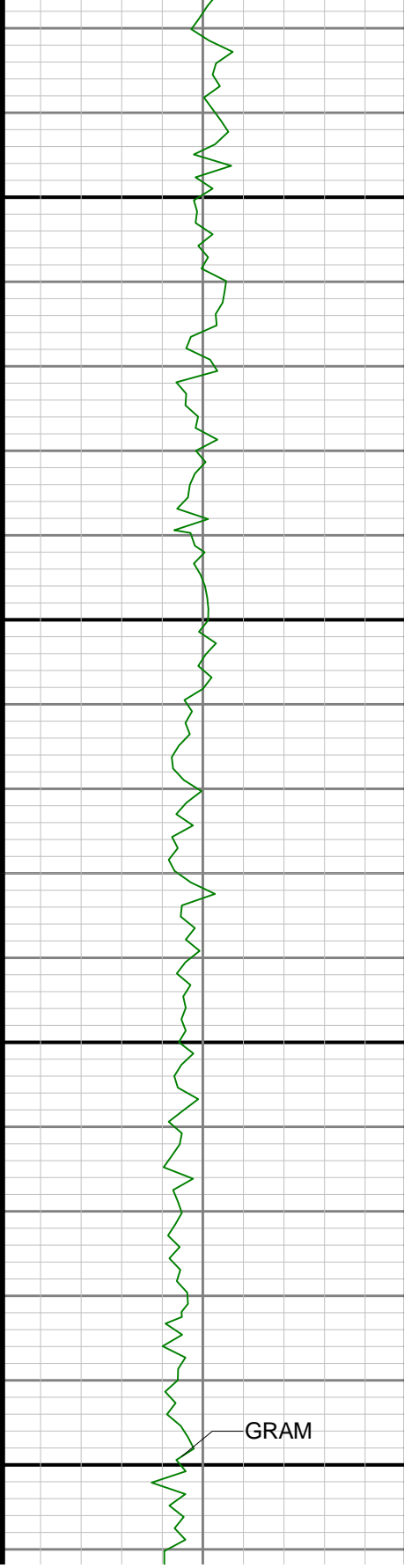




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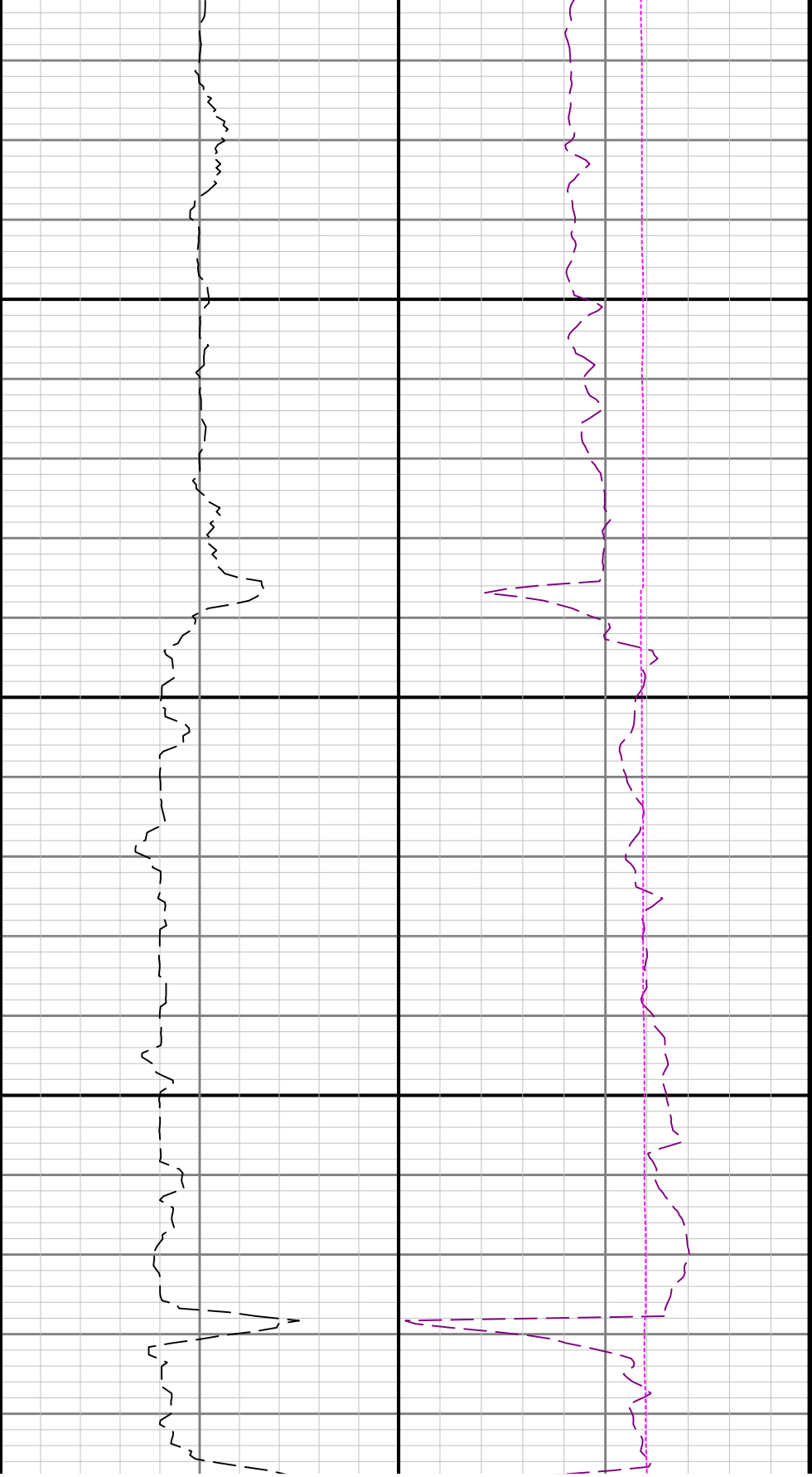


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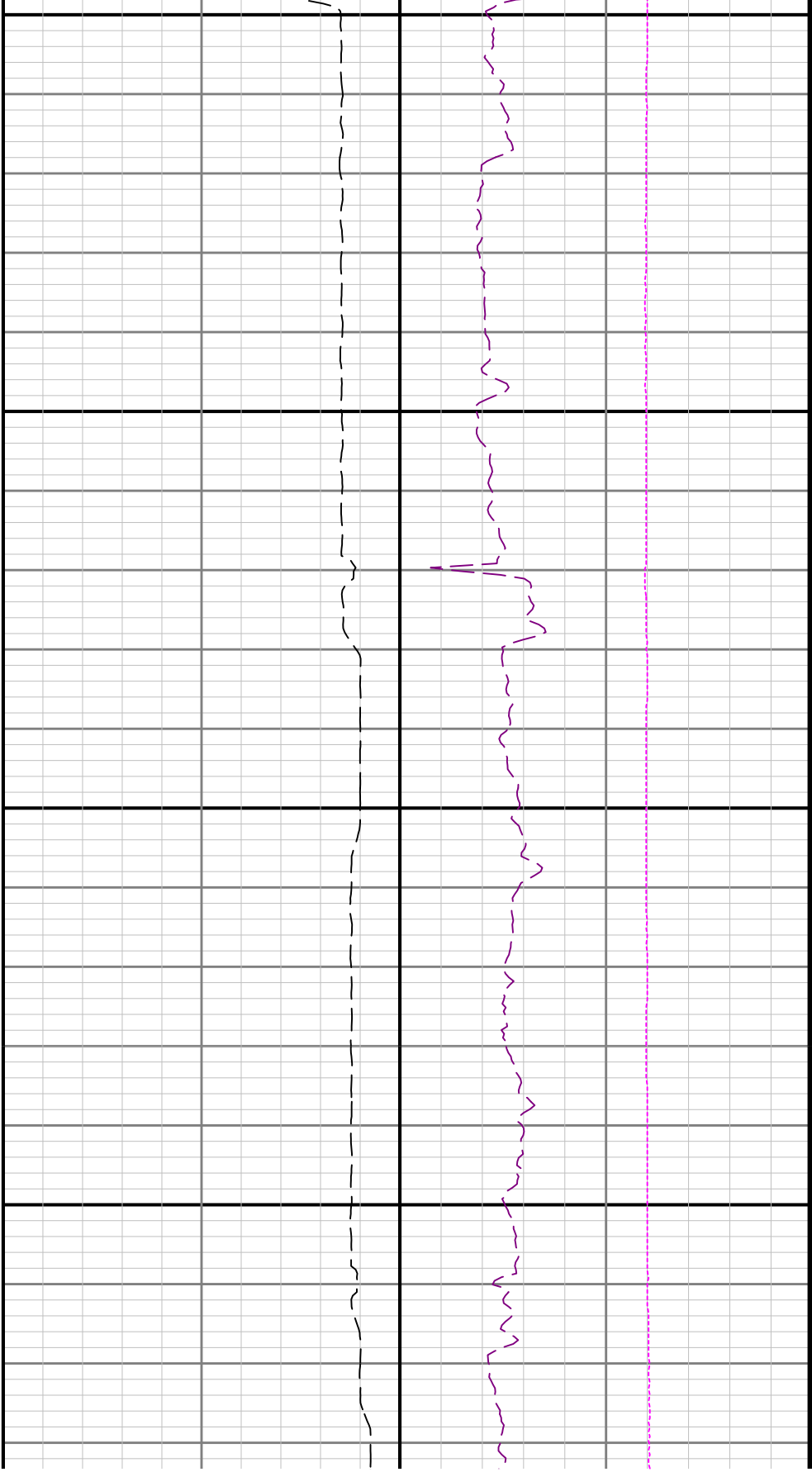






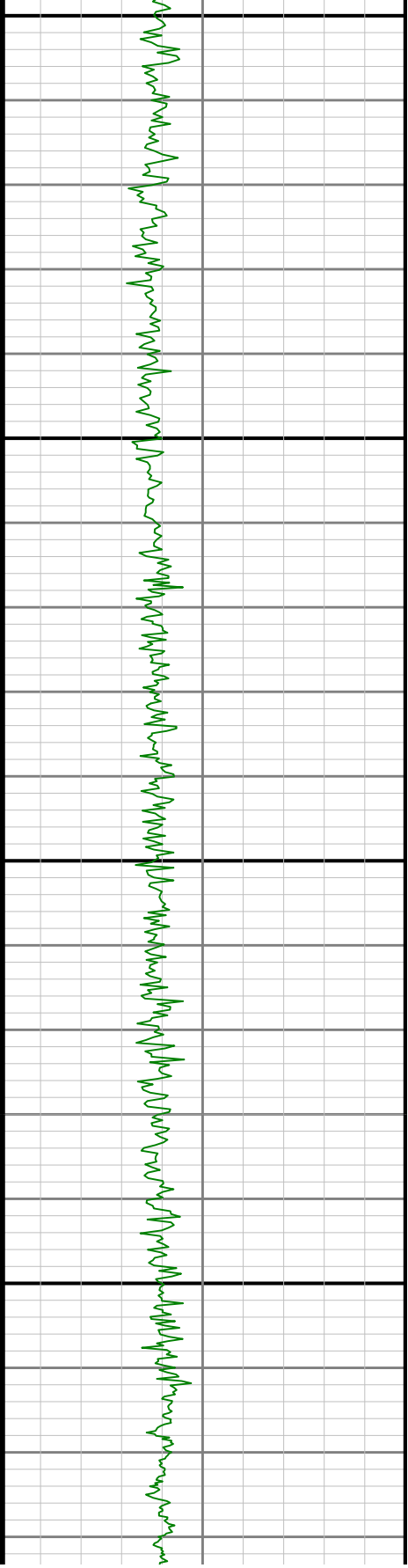
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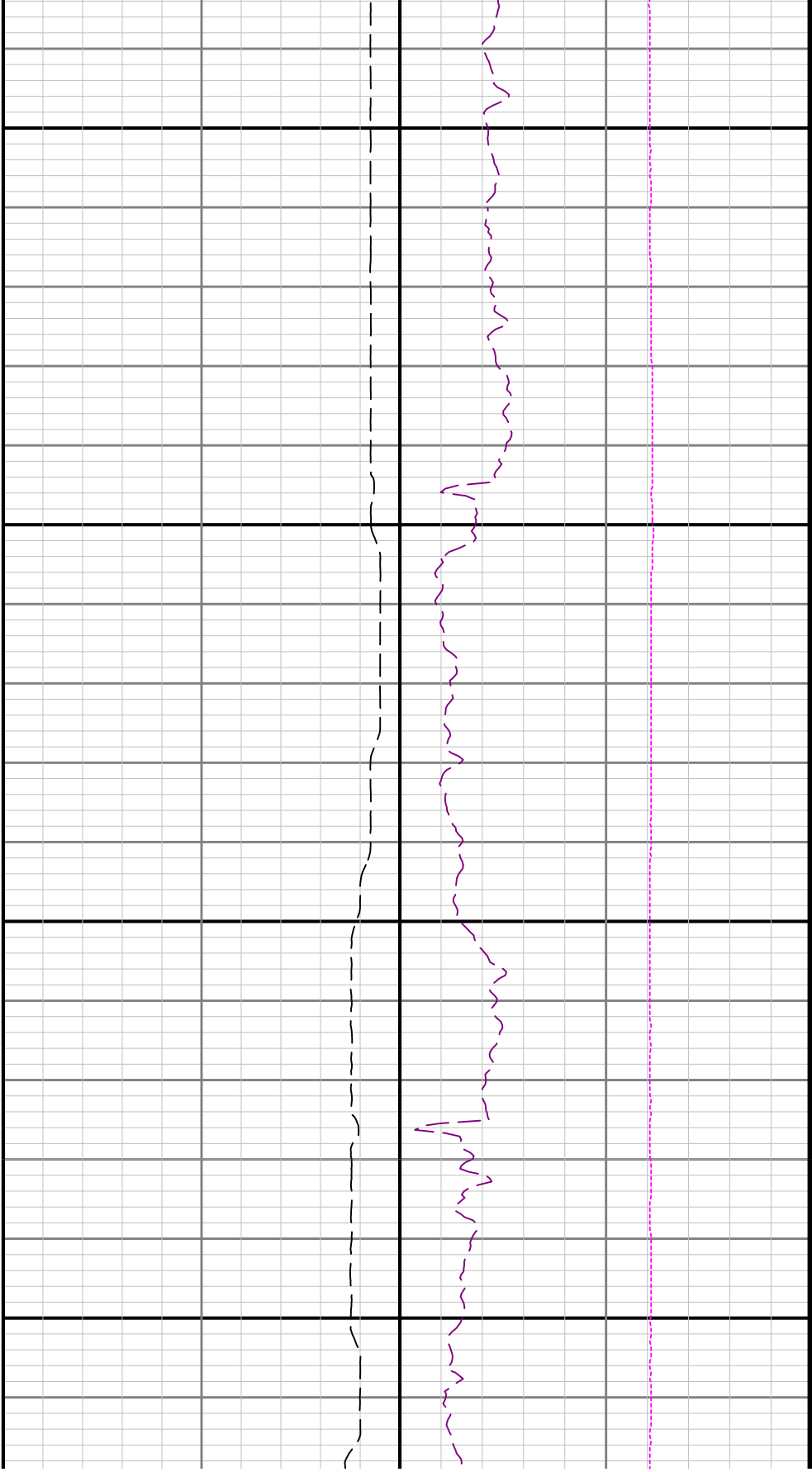




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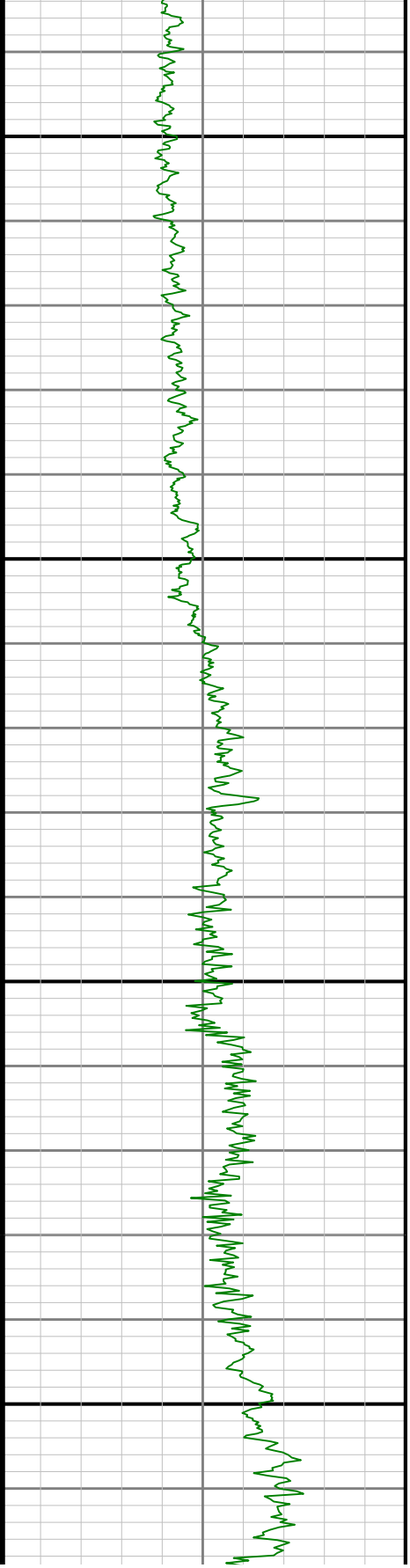
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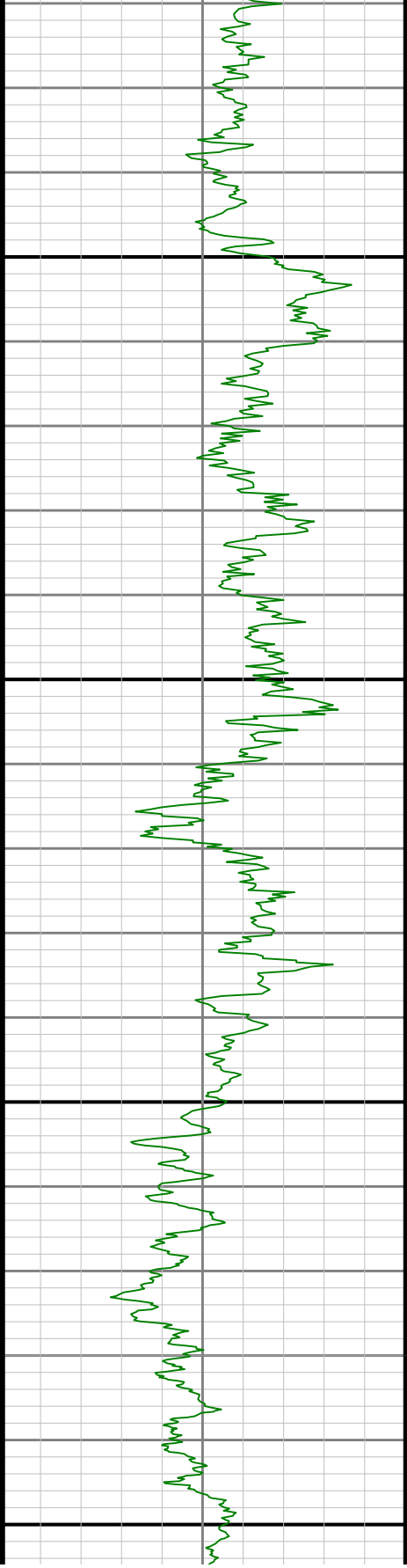




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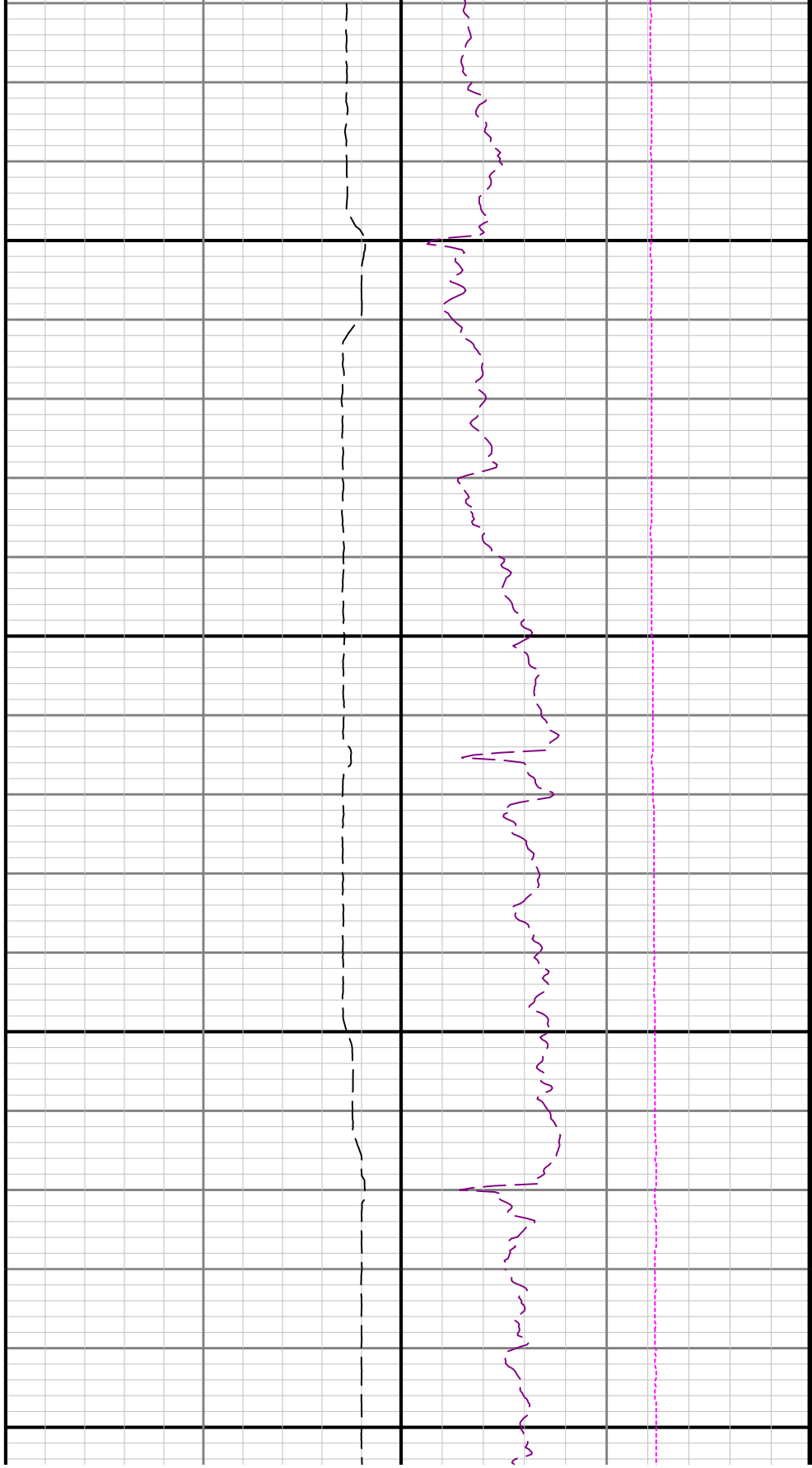
6500





6700

0099





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	835.00	0.89	132.75	N/A	-2.54	2.49	834.98	-3920.02	2.29	94.00	0.43	0.41	-8.50
	930.00	0.40	188.63	N/A	-3.37	2.98	929.97	-3825.03	3.07	95.00	0.78	-0.52	58.82
	1024.00	0.43	100.49	N/A	-3.76	3.28	1023.97	-3731.03	3.43	94.00	0.61	0.03	-93.77
	1119.00	0.29	115.20	N/A	-3.93	3.84	1118.97	-3636.03	3.54	95.00	0.18	-0.15	15.48
	1213.00	0.21	199.88	N/A	-4.19	4.00	1212.97	-3542.03	3.79	94.00	0.36	-0.09	90.09
	1308.00	0.84	27.46	N/A	-3.74	4.26	1307.97	-3447.03	3.31	95.00	1.10	0.66	-181.49
	1402.00	0.23	33.65	N/A	-2.97	4.69	1401.96	-3353.04	2.51	94.00	0.65	-0.65	6.59
	1497.00	0.45	11.55	N/A	-2.44	4.87	1496.96	-3258.04	1.97	95.00	0.27	0.23	-23.26
	1591.00	0.45	322.66	N/A	-1.79	4.72	1590.96	-3164.04	1.33	94.00	0.40	0.00	-52.01
	1686.00	0.71	309.41	N/A	-1.12	4.03	1685.95	-3069.05	0.73	95.00	0.31	0.27	-13.95
	1780.00	0.72	280.03	N/A	-0.65	3.00	1779.95	-2975.05	0.36	94.00	0.39	0.01	-31.26
	1875.00	1.55	233.92	N/A	-1.30	1.38	1874.93	-2880.07	1.16	95.00	1.23	0.87	-48.54
Tie-In	1923.00	1.52	236.99	N/A	-2.03	0.32	1922.91	-2832.09	1.99	48.00	0.18	-0.06	6.40
	1993.00	0.21	197.26	93.2	-2.66	-0.50	1992.90	-2762.10	2.69	70.00	1.95	-1.87	-56.76
	2087.00	0.06	124.99	98.7	-2.85	-0.51	2086.90	-2668.10	2.88	94.00	0.21	-0.16	-76.88
	2277.00	2.19	269.32	106.8	-2.95	-4.06	2276.86	-2478.14	3.32	190.00	1.18	1.12	75.96
	2372.00	3.80	267.09	109.5	-3.13	-9.02	2371.72	-2383.28	3.97	95.00	1.70	1.69	-2.35
	2466.00	5.09	266.14	117.6	-3.57	-16.29	2465.44	-2289.56	5.10	94.00	1.37	1.37	-1.01
	2561.00	7.46	267.01	117.6	-4.17	-26.65	2559.86	-2195.14	6.69	95.00	2.50	2.49	0.92
	2656.00	9.88	265.61	120.3	-5.12	-40.94	2653.77	-2101.23	8.99	95.00	2.56	2.55	-1.47
	2750.00	11.50	266.79	123.0	-6.26	-58.34	2746.14	-2008.86	11.77	94.00	1.74	1.72	1.26
	2845.00	13.25	264.22	125.7	-7.89	-78.63	2838.93	-1916.07	15.32	95.00	1.93	1.84	-2.71
	2940.00	13.36	264.56	125.7	-10.03	-100.39	2931.38	-1823.62	19.51	95.00	0.14	0.12	0.36
	3035.00	11.94	265.79	68.9	-11.79	-121.11	3024.07	-1730.93	23.24	95.00	1.52	-1.49	1.29
	3129.00	13.10	264.39	128.4	-13.54	-141.41	3115.83	-1639.17	26.91	94.00	1.28	1.23	-1.49
	3224.00	13.10	265.28	131.1	-15.48	-162.86	3208.36	-1546.64	30.88	95.00	0.21	0.01	0.94
	3318.00	12.81	263.36	131.1	-17.56	-183.82	3299.97	-1455.03	34.94	94.00	0.55	-0.31	-2.04
	3413.00	12.96	265.09	133.8	-19.69	-204.90	3392.57	-1362.43	39.06	95.00	0.44	0.16	1.82
	3508.00	12.65	271.47	136.5	-20.34	-225.91	3485.22	-1269.78	41.70	95.00	1.52	-0.33	6.72
	3603.00	12.58	268.99	139.2	-20.25	-246.66	3577.92	-1177.08	43.59	95.00	0.57	-0.07	-2.61
	3697.00	13.37	268.46	139.2	-20.73	-267.76	3669.52	-1085.48	46.06	94.00	0.85	0.84	-0.56
	3792.00	13.15	267.60	141.9	-21.47	-289.53	3761.99	-993.01	48.88	95.00	0.31	-0.23	-0.91
	3886.00	13.30	267.93	141.9	-22.31	-311.02	3853.50	-901.50	51.75	94.00	0.18	0.16	0.35
	3980.00	13.53	268.92	144.6	-22.91	-332.82	3944.93	-810.07	54.42	94.00	0.35	0.24	1.05
	4075.00	13.45	268.21	144.6	-23.46	-354.97	4037.31	-717.69	57.07	95.00	0.19	-0.08	-0.75
	4170.00	13.60	267.63	144.6	-24.27	-377.18	4129.68	-625.32	59.98	95.00	0.21	0.16	-0.61
	4265.00	13.47	267.12	144.6	-25.29	-399.39	4222.04	-532.96	63.11	95.00	0.19	-0.14	-0.54
	4359.00	13.78	267.98	147.3	-26.23	-421.51	4313.39	-441.61	66.15	94.00	0.39	0.33	0.91
	4454.00	13.74	267.52	150.0	-27.12	-444.09	4405.67	-349.33	69.18	95.00	0.12	-0.04	-0.48
	4549.00	13.62	268.26	150.0	-27.95	-466.54	4497.97	-257.03	72.13	95.00	0.22	-0.13	0.78
	4643.00	13.40	268.31	150.0	-28.61	-488.49	4589.37	-165.63	74.87	94.00	0.23	-0.23	0.05
	4738.00	13.49	269.25	152.7	-29.08	-510.57	4681.77	-73.23	77.44	95.00	0.25	0.09	0.99
	4833.00	13.02	268.65	155.4	-29.47	-532.35	4774.24	19.24	79.90	95.00	0.52	-0.49	-0.63
	4927.00	12.86	268.76	158.1	-29.95	-553.39	4865.85	110.85	82.37	94.00	0.17	-0.17	0.12
	5022.00	13.53	266.91	160.8	-30.78	-575.06	4958.34	203.34	85.25	95.00	0.83	0.71	-1.95
	5116.00	13.61	267.95	160.8	-31.76	-597.09	5049.72	294.72	88.33	94.00	0.27	0.09	1.11
	5211.00	12.59	269.67	163.5	-32.22	-618.62	5142.24	387.24	90.83	95.00	1.15	-1.07	1.81
	5306.00	11.65	270.23	163.5	-32.24	-638.56	5235.13	480.13	92.75	95.00	1.00	-0.99	0.59
	5400.00	13.82	268.41	163.5	-32.52	-659.28	5326.81	571.81	94.99	94.00	2.35	2.31	-1.94
	5495.00	13.22	271.99	166.2	-32.46	-681.48	5419.18	664.18	97.03	95.00	1.08	-0.63	3.77
	5589.00	12.51	279.31	168.9	-30.44	-702.27	5510.82	755.82	97.00	94.00	1.89	-0.76	7.79
	5684.00	12.92	282.73	168.9	-26.43	-722.78	5603.49	848.49	94.96	95.00	0.90	0.43	3.60
	5778.00	13.99	273.53	168.9	-23.42	-744.38	5694.92	939.92	94.01	94.00	2.54	1.14	-9.79
	5873.00	13.52	269.12	168.9	-22.88	-766.94	5787.20	1032.20	95.62	95.00	1.21	-0.49	-4.64
	5967.00	13.68	268.44	171.6	-23.35	-789.04	5878.57	1123.57	98.19	94.00	0.24	0.17	-0.72
	6062.00	13.81	267.99	174.3	-24.05	-811.60	5970.85	1215.85	101.03	95.00	0.18	0.14	-0.47
	6157.00	13.86	268.49	177.0	-24.75	-834.31	6063.09	1308.09	103.88	95.00	0.14	0.05	0.53
	6251.00	13.55	269.83	179.7	-25.08	-856.57	6154.41	1399.41	106.32	94.00	0.47	-0.33	1.43
	6346.00	15.00	257.24	179.7	-27.83	-879.70	6246.50	1491.50	111.26	95.00	3.60	1.53	-13.25
	6440.00	18.85	233.47	179.7	-39.57	-903.80	6336.52	1581.52	125.24	94.00	8.34	4.10	-25.29
	6535.00	25.64	220.44	182.5	-64.40	-929.51	6424.45	1669.45	152.39	95.00	8.79	7.15	-13.72

	6630.00	33.22	206.63	182.5	-103.40	-954.58	6507.22	1752.22	193.60	95.00	10.66	7.98	-14.54
	6725.00	40.51	198.65	182.5	-156.00	-976.15	6583.22	1828.22	248.01	95.00	9.17	7.67	-8.40
	6819.00	49.01	194.86	182.5	-219.35	-995.05	6649.92	1894.92	312.86	94.00	9.47	9.04	-4.03
	6914.00	56.50	190.25	185.2	-293.11	-1011.32	6707.39	1952.39	387.84	95.00	8.78	7.88	-4.85
	7009.00	64.94	186.97	185.2	-374.96	-1023.62	6753.82	1998.82	470.49	95.00	9.38	8.88	-3.45
	7103.00	74.45	185.13	187.9	-462.53	-1032.85	6786.41	2031.41	558.54	94.00	10.28	10.12	-1.96
	7198.00	82.31	182.90	190.6	-555.28	-1039.34	6805.53	2050.53	651.48	95.00	8.59	8.27	-2.35
	7293.00	90.31	180.55	193.3	-649.95	-1042.18	6811.64	2056.64	746.00	95.00	8.77	8.42	-2.47
	7387.00	89.63	180.76	196.0	-743.95	-1043.25	6811.69	2056.69	839.67	94.00	0.76	-0.72	0.22
	7482.00	90.09	180.54	201.4	-838.94	-1044.33	6811.92	2056.92	934.34	95.00	0.54	0.48	-0.23
	7577.00	90.37	180.00	206.8	-933.94	-1044.78	6811.54	2056.54	1028.95	95.00	0.64	0.29	-0.57
	7671.00	90.37	180.92	209.5	-1027.93	-1045.53	6810.93	2055.93	1122.59	94.00	0.98	-0.00	0.98
	7766.00	90.06	180.66	212.2	-1122.92	-1046.84	6810.58	2055.58	1217.27	95.00	0.43	-0.33	-0.27
	7860.00	90.06	180.68	214.9	-1216.92	-1047.94	6810.48	2055.48	1310.95	94.00	0.02	0.00	0.02
	7955.00	89.75	180.38	214.9	-1311.91	-1048.82	6810.64	2055.64	1405.59	95.00	0.45	-0.33	-0.32
	8049.00	90.00	180.51	217.6	-1405.91	-1049.55	6810.84	2055.84	1499.24	94.00	0.30	0.27	0.14
	8144.00	89.94	180.19	220.3	-1500.91	-1050.13	6810.89	2055.89	1593.86	95.00	0.34	-0.06	-0.34
	8239.00	89.91	180.20	223.0	-1595.91	-1050.46	6811.02	2056.02	1688.46	95.00	0.03	-0.03	0.01
	8333.00	89.72	180.34	223.0	-1689.90	-1050.90	6811.32	2056.32	1782.08	94.00	0.25	-0.20	0.15
	8428.00	90.22	180.61	223.0	-1784.90	-1051.69	6811.37	2056.37	1876.72	95.00	0.60	0.53	0.28
	8523.00	90.00	179.98	225.7	-1879.90	-1052.17	6811.19	2056.19	1971.33	95.00	0.70	-0.23	-0.66
	8617.00	89.48	180.44	228.4	-1973.90	-1052.52	6811.61	2056.61	2064.94	94.00	0.74	-0.55	0.49
	8712.00	89.88	181.40	228.4	-2068.88	-1054.04	6812.14	2057.14	2159.64	95.00	1.09	0.42	1.01
	8806.00	89.72	181.04	231.1	-2162.86	-1056.05	6812.47	2057.47	2253.38	94.00	0.42	-0.17	-0.38
	8900.00	89.75	180.91	231.1	-2256.84	-1057.65	6812.91	2057.91	2347.09	94.00	0.14	0.03	-0.14
	8995.00	89.91	180.65	231.1	-2351.84	-1058.94	6813.19	2058.19	2441.78	95.00	0.32	0.17	-0.27
	9090.00	89.91	181.08	233.8	-2446.82	-1060.37	6813.34	2058.34	2536.47	95.00	0.45	-0.00	0.45
	9185.00	90.62	179.14	231.1	-2541.82	-1060.56	6812.90	2057.90	2631.06	95.00	2.17	0.75	-2.04
	9279.00	90.03	179.05	233.8	-2635.80	-1059.07	6812.36	2057.36	2724.48	94.00	0.63	-0.63	-0.10
	9374.00	90.22	178.21	233.8	-2730.78	-1056.80	6812.16	2057.16	2818.80	95.00	0.91	0.20	-0.88
	9468.00	90.49	178.27	236.5	-2824.73	-1053.91	6811.57	2056.57	2912.06	94.00	0.29	0.29	0.06
	9563.00	90.28	178.14	236.5	-2919.68	-1050.94	6810.94	2055.94	3006.30	95.00	0.26	-0.22	-0.14
	9657.00	90.22	178.69	236.5	-3013.64	-1048.34	6810.53	2055.53	3099.59	94.00	0.59	-0.06	0.59
	9752.00	90.22	178.02	239.2	-3108.60	-1045.61	6810.16	2055.16	3193.86	95.00	0.71	0.00	-0.71
	9847.00	89.26	177.84	239.2	-3203.54	-1042.18	6810.59	2055.59	3288.04	95.00	1.03	-1.01	-0.19
	9941.00	89.14	178.17	241.9	-3297.47	-1038.91	6811.91	2056.91	3381.24	94.00	0.37	-0.13	0.35
	10036.00	89.23	177.54	241.9	-3392.40	-1035.35	6813.26	2058.26	3475.40	95.00	0.67	0.09	-0.66
	10130.00	89.08	176.38	241.9	-3486.25	-1030.37	6814.64	2059.64	3568.35	94.00	1.24	-0.16	-1.23
	10225.00	89.35	176.75	244.6	-3581.07	-1024.68	6815.94	2060.94	3662.20	95.00	0.48	0.28	0.39
	10320.00	89.88	180.77	244.6	-3676.03	-1022.62	6816.58	2061.58	3756.54	95.00	4.27	0.56	4.23
	10414.00	89.48	180.63	244.6	-3770.02	-1023.77	6817.11	2062.11	3850.21	94.00	0.45	-0.43	-0.15
	10509.00	89.38	180.46	247.3	-3865.01	-1024.67	6818.05	2063.05	3944.86	95.00	0.21	-0.11	-0.18
	10604.00	89.72	181.47	247.3	-3959.99	-1026.27	6818.80	2063.80	4039.56	95.00	1.12	0.36	1.06
	10699.00	89.51	180.33	250.0	-4054.98	-1027.76	6819.44	2064.44	4134.26	95.00	1.22	-0.22	-1.20
	10793.00	89.75	180.65	250.0	-4148.97	-1028.57	6820.04	2065.04	4227.91	94.00	0.43	0.26	0.34
	10887.00	90.03	179.96	250.0	-4242.97	-1029.07	6820.23	2065.23	4321.53	94.00	0.79	0.30	-0.73
	10982.00	90.25	181.07	250.0	-4337.96	-1029.92	6819.99	2064.99	4416.17	95.00	1.19	0.23	1.17
	11076.00	89.88	181.35	252.7	-4431.94	-1031.91	6819.89	2064.89	4509.91	94.00	0.49	-0.39	0.30
	11171.00	89.88	181.38	252.7	-4526.92	-1034.17	6820.09	2065.09	4604.67	95.00	0.03	-0.00	0.03
	11266.00	90.15	180.63	252.7	-4621.90	-1035.84	6820.06	2065.06	4699.39	95.00	0.84	0.28	-0.79
	11360.00	90.15	179.79	252.7	-4715.90	-1036.18	6819.81	2064.81	4792.99	94.00	0.89	0.00	-0.89
	11455.00	90.34	179.97	252.7	-4810.90	-1035.98	6819.41	2064.41	4887.54	95.00	0.28	0.20	0.19
	11550.00	89.85	180.99	255.4	-4905.89	-1036.78	6819.25	2064.25	4982.18	95.00	1.19	-0.52	1.07
	11644.00	89.94	180.95	255.4	-4999.88	-1038.37	6819.42	2064.42	5075.90	94.00	0.10	0.10	-0.04
	11739.00	91.42	181.20	250.0	-5094.85	-1040.15	6818.30	2063.30	5170.61	95.00	1.58	1.56	0.26
	11833.00	89.17	180.26	252.7	-5188.84	-1041.35	6817.81	2062.81	5264.28	94.00	2.59	-2.39	-1.00
	11928.00	90.06	179.69	255.4	-5283.83	-1041.31	6818.45	2063.45	5358.85	95.00	1.11	0.94	-0.60
	12022.00	90.25	180.70	255.4	-5377.83	-1041.63	6818.20	2063.20	5452.45	94.00	1.09	0.20	1.07
	12117.00	90.31	180.03	258.1	-5472.83	-1042.23	6817.73	2062.73	5547.07	95.00	0.71	0.06	-0.71
	12212.00	89.78	180.44	258.1	-5567.83	-1042.62	6817.66	2062.66	5641.68	95.00	0.71	-0.56	0.43
	12306.00	89.66	179.99	258.1	-5661.82	-1042.97	6818.12	2063.12	5735.29	94.00	0.50	-0.13	-0.48
	12401.00	90.62	180.51	260.8	-5756.82	-1043.39	6817.88	2062.88	5829.89	95.00	1.15	1.01	0.55

	12495.00	89.54	179.87	260.8	-5850.82	-1043.70	6817.75	2062.75	5923.50	94.00	1.34	-1.15	-0.68
	12590.00	89.69	180.28	260.8	-5945.82	-1043.82	6818.39	2063.39	6018.08	95.00	0.46	0.16	0.43
	12684.00	89.69	180.39	260.8	-6039.81	-1044.37	6818.90	2063.90	6111.70	94.00	0.12	-0.00	0.12
	12779.00	89.20	179.59	255.4	-6134.81	-1044.36	6819.82	2064.82	6206.26	95.00	0.99	-0.52	-0.84
	12874.00	89.91	179.54	258.1	-6229.80	-1043.64	6820.56	2065.56	6300.76	95.00	0.75	0.75	-0.05
	12969.00	89.82	178.55	260.8	-6324.79	-1042.05	6820.78	2065.78	6395.17	95.00	1.05	-0.09	-1.04
	13063.00	89.91	178.80	260.8	-6418.76	-1039.88	6821.00	2066.00	6488.51	94.00	0.28	0.10	0.27
	13158.00	89.66	179.98	260.8	-6513.75	-1038.87	6821.36	2066.36	6582.98	95.00	1.27	-0.26	1.24
	13253.00	90.15	178.45	263.5	-6608.74	-1037.57	6821.52	2066.52	6677.41	95.00	1.69	0.52	-1.61
	13347.00	90.00	178.92	263.5	-6702.72	-1035.41	6821.39	2066.39	6770.76	94.00	0.52	-0.16	0.50
	13442.00	90.68	179.34	266.2	-6797.70	-1033.97	6820.83	2065.83	6865.18	95.00	0.84	0.72	0.44
	13536.00	90.09	178.88	266.2	-6891.69	-1032.51	6820.20	2065.20	6958.60	94.00	0.80	-0.63	-0.49
	13631.00	89.97	178.50	266.2	-6986.66	-1030.34	6820.15	2065.15	7052.94	95.00	0.42	-0.13	-0.40
	13726.00	90.40	179.70	266.2	-7081.65	-1028.84	6819.84	2064.84	7147.35	95.00	1.34	0.45	1.26
	13820.00	90.52	180.88	269.0	-7175.64	-1029.32	6819.09	2064.09	7240.97	94.00	1.26	0.13	1.26
	13915.00	90.28	180.06	269.0	-7270.64	-1030.10	6818.42	2063.42	7335.61	95.00	0.90	-0.25	-0.86
	14010.00	90.62	187.61	269.0	-7365.35	-1036.45	6817.68	2062.68	7430.50	95.00	7.96	0.36	7.95
	14104.00	90.52	183.79	269.0	-7458.87	-1045.78	6816.74	2061.74	7524.47	94.00	4.07	-0.11	-4.06
	14199.00	90.46	179.79	269.0	-7553.80	-1048.75	6815.93	2060.93	7619.26	95.00	4.21	-0.06	-4.21
	14293.00	90.00	179.74	269.0	-7647.79	-1048.36	6815.55	2060.55	7712.79	94.00	0.49	-0.49	-0.05
	14388.00	90.18	179.72	271.7	-7742.79	-1047.91	6815.40	2060.40	7807.32	95.00	0.19	0.19	-0.02
	14482.00	90.49	179.72	271.7	-7836.79	-1047.46	6814.85	2059.85	7900.85	94.00	0.33	0.33	0.00
	14577.00	90.71	179.71	274.4	-7931.78	-1046.98	6813.86	2058.86	7995.37	95.00	0.23	0.23	-0.01
	14672.00	90.37	179.20	274.4	-8026.78	-1046.08	6812.96	2057.96	8089.84	95.00	0.65	-0.36	-0.54
	14766.00	90.49	179.59	274.4	-8120.77	-1045.09	6812.26	2057.26	8183.32	94.00	0.43	0.13	0.41
	14861.00	90.18	178.98	274.4	-8215.76	-1043.90	6811.70	2056.70	8277.76	95.00	0.72	-0.33	-0.64
	14955.00	90.22	179.37	277.1	-8309.75	-1042.55	6811.37	2056.37	8371.20	94.00	0.42	0.04	0.41
	15050.00	90.06	178.73	274.4	-8404.73	-1040.97	6811.14	2056.14	8465.61	95.00	0.69	-0.17	-0.67
	15145.00	89.88	179.36	274.4	-8499.72	-1039.39	6811.19	2056.19	8560.01	95.00	0.69	-0.19	0.66
	15239.00	89.97	179.09	277.1	-8593.71	-1038.12	6811.31	2056.31	8653.46	94.00	0.30	0.10	-0.29
	15334.00	90.25	178.83	277.1	-8688.69	-1036.39	6811.13	2056.13	8747.85	95.00	0.40	0.29	-0.27
	15428.00	90.25	179.06	279.8	-8782.68	-1034.66	6810.72	2055.72	8841.24	94.00	0.24	-0.00	0.24
	15523.00	90.31	179.21	279.8	-8877.67	-1033.23	6810.26	2055.26	8935.67	95.00	0.17	0.06	0.16
	15618.00	89.63	179.73	252.7	-8972.66	-1032.35	6810.31	2055.31	9030.15	95.00	0.90	-0.72	0.55
	15712.00	89.54	180.59	277.1	-9066.66	-1032.61	6810.99	2055.99	9123.75	94.00	0.92	-0.10	0.91
	15807.00	89.91	179.32	279.8	-9161.65	-1032.54	6811.44	2056.44	9218.31	95.00	1.39	0.39	-1.34
	15901.00	89.85	179.21	279.8	-9255.65	-1031.33	6811.64	2056.64	9311.76	94.00	0.13	-0.06	-0.12
	15996.00	90.03	179.12	279.8	-9350.64	-1029.95	6811.74	2056.74	9406.19	95.00	0.21	0.19	-0.09
	16090.00	90.00	178.79	279.8	-9444.62	-1028.23	6811.72	2056.72	9499.58	94.00	0.35	-0.03	-0.35
	16185.00	89.60	178.38	282.5	-9539.59	-1025.89	6812.05	2057.05	9593.90	95.00	0.60	-0.42	-0.43
	16280.00	89.82	179.29	282.5	-9634.57	-1023.96	6812.53	2057.53	9688.27	95.00	0.99	0.23	0.96
	16469.00	90.09	180.04	282.5	-9823.56	-1022.85	6812.68	2057.68	9876.30	189.00	0.42	0.14	0.40
	16564.00	89.72	179.49	282.5	-9918.56	-1022.46	6812.83	2057.83	9970.84	95.00	0.70	-0.39	-0.58
	16659.00	89.78	179.76	282.5	-10013.56	-1021.84	6813.25	2058.25	10065.34	95.00	0.29	0.06	0.28
	16753.00	90.12	179.23	282.5	-10107.55	-1021.01	6813.33	2058.33	10158.84	94.00	0.67	0.36	-0.56
	16848.00	89.94	179.68	282.5	-10202.55	-1020.11	6813.28	2058.28	10253.32	95.00	0.51	-0.19	0.47
	16943.00	89.97	179.69	285.2	-10297.55	-1019.58	6813.36	2058.36	10347.84	95.00	0.03	0.03	0.01
	17038.00	90.18	178.70	285.2	-10392.54	-1018.25	6813.23	2058.23	10442.27	95.00	1.07	0.22	-1.04
	17132.00	89.78	178.26	285.2	-10486.50	-1015.76	6813.26	2058.26	10535.57	94.00	0.63	-0.43	-0.47
	17227.00	89.85	178.33	285.2	-10581.46	-1012.93	6813.57	2058.57	10629.83	95.00	0.10	0.07	0.07
	17416.00	89.57	178.42	285.2	-10770.38	-1007.57	6814.53	2059.53	10817.39	189.00	0.16	-0.15	0.05
	17487.00	89.97	178.70	285.2	-10841.36	-1005.79	6814.81	2059.81	10887.88	71.00	0.69	0.56	0.39
Projection	17511.00	89.97	178.70	N/A	-10865.35	-1005.24	6814.82	2059.82	10911.71	24.00	0.00	0.00	-0.00