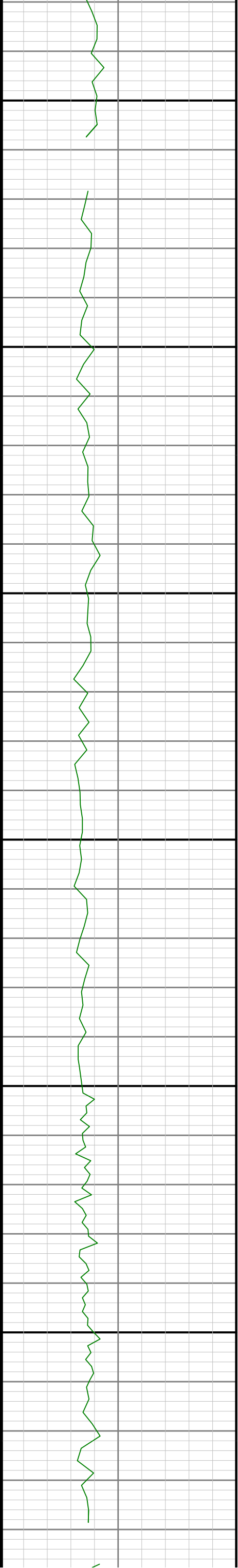
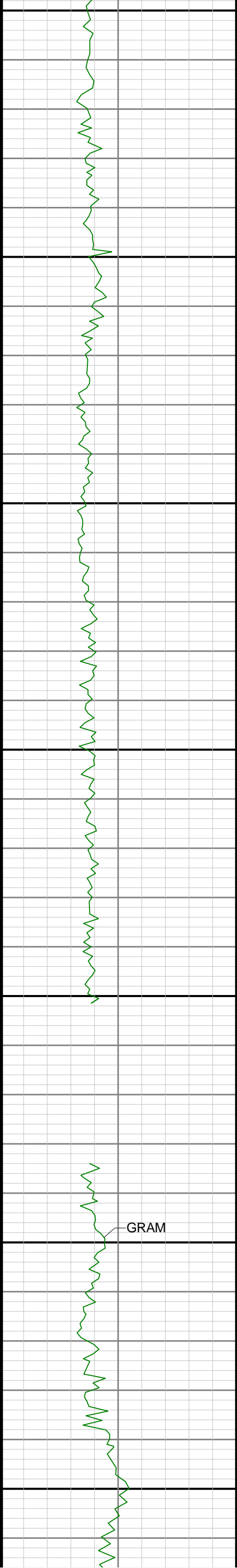
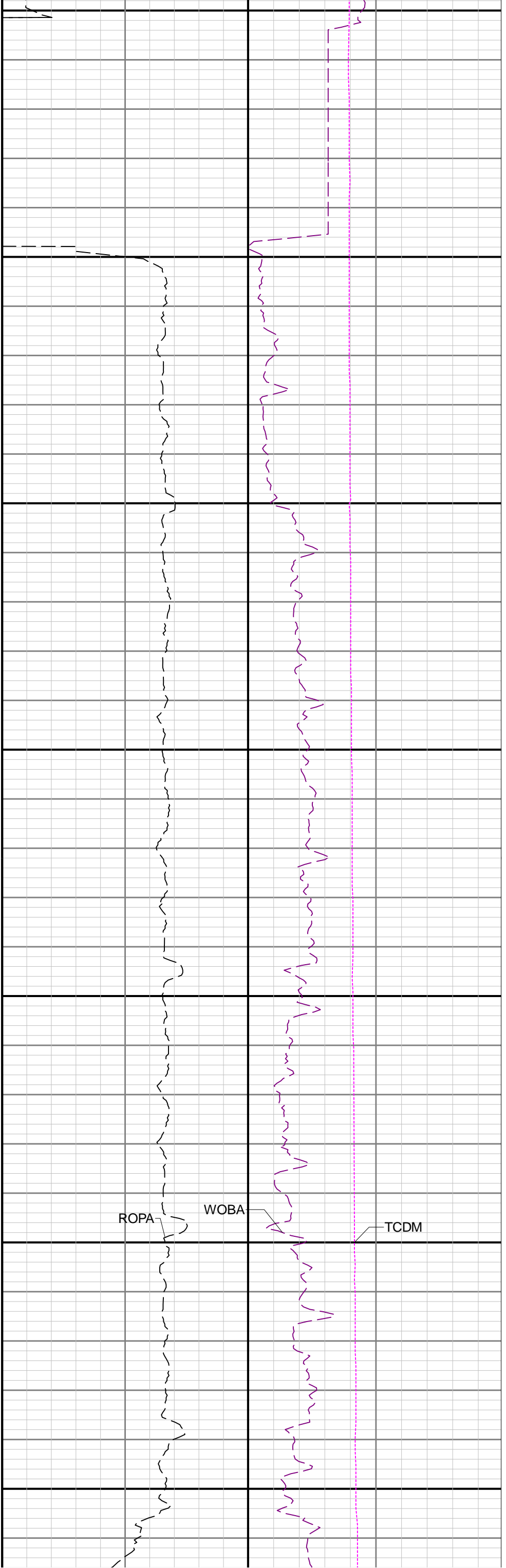


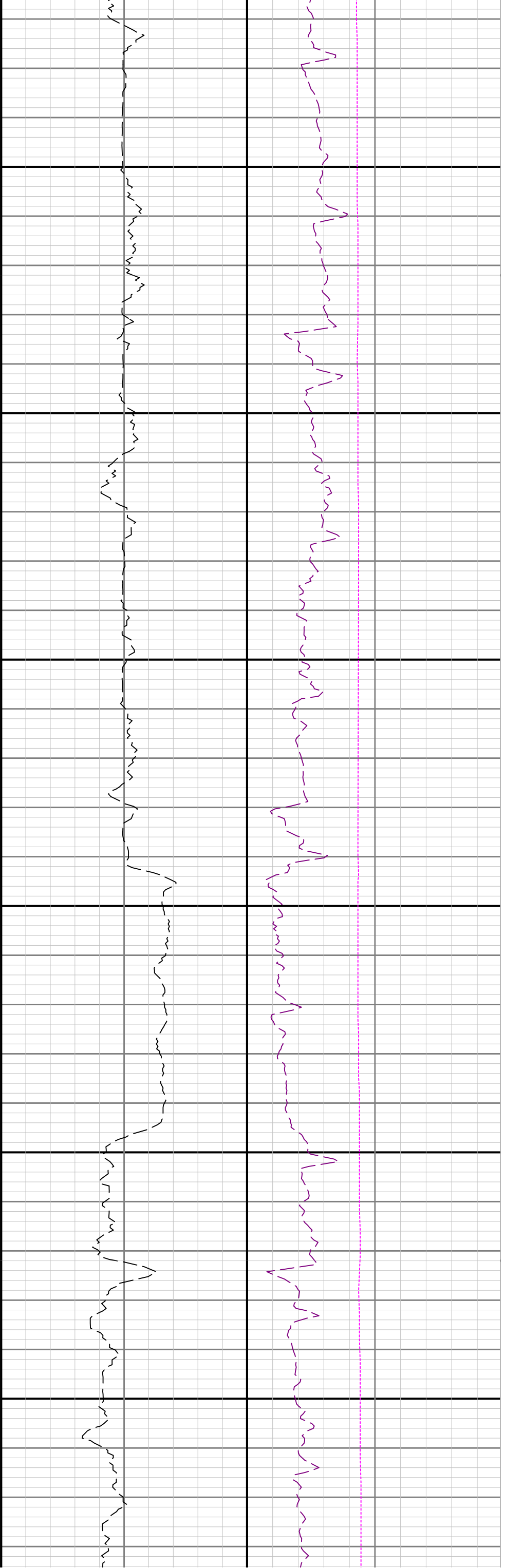
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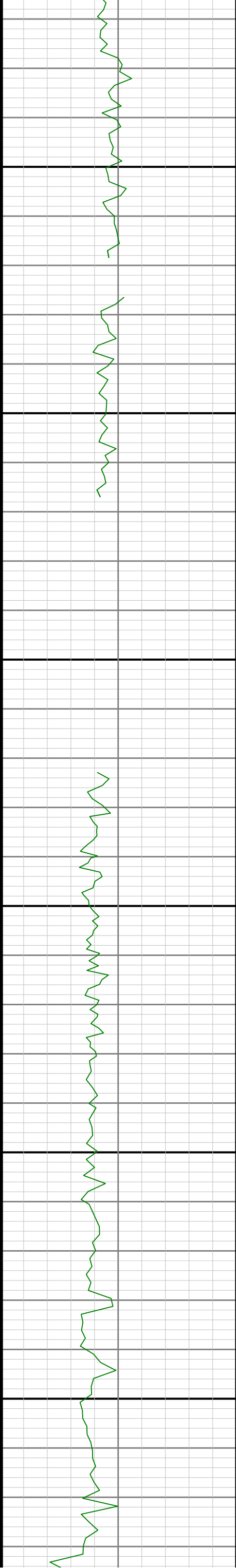


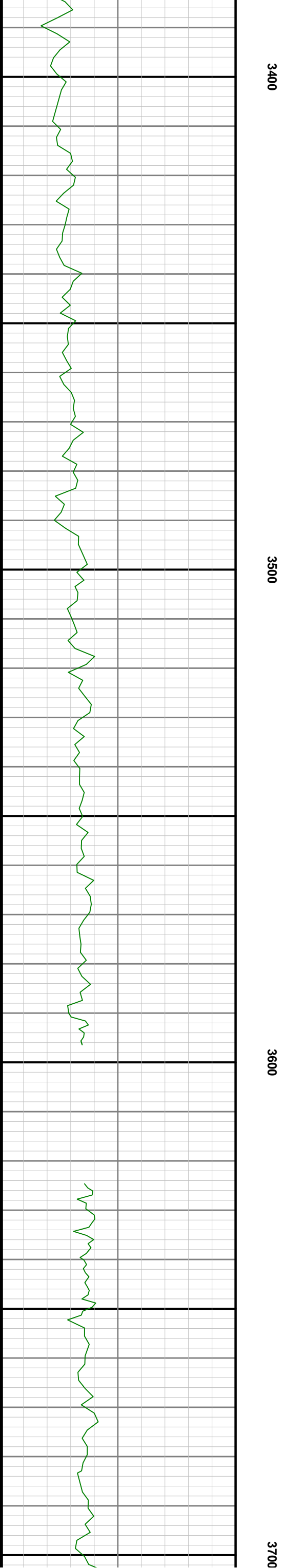
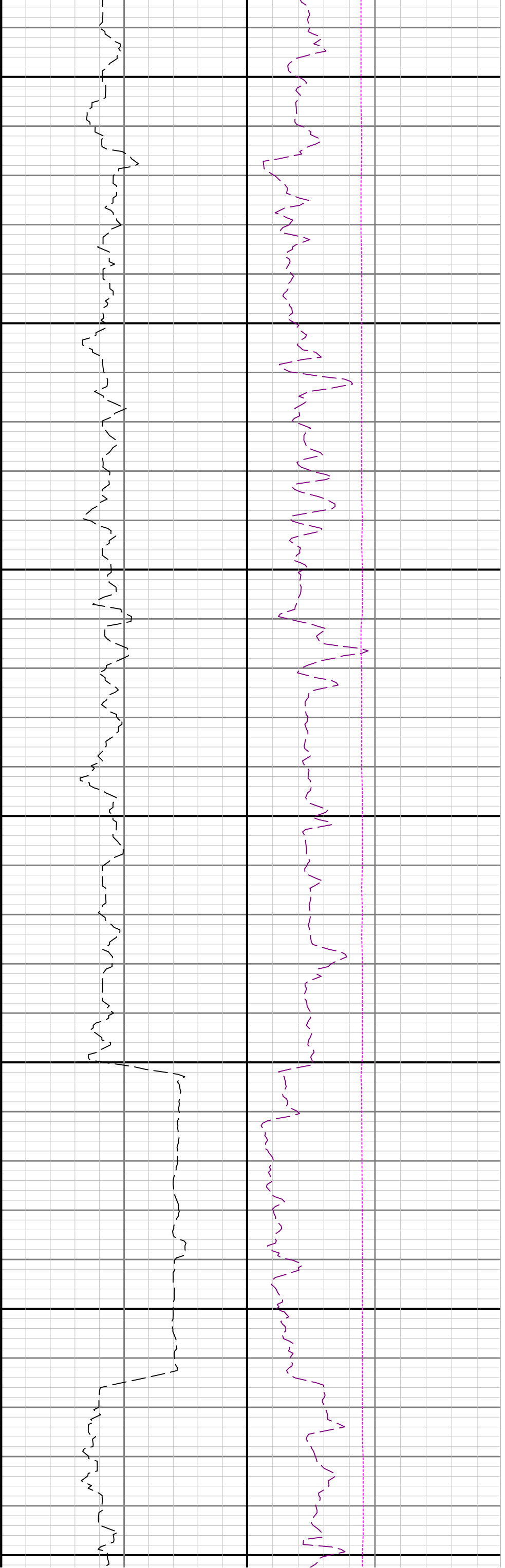


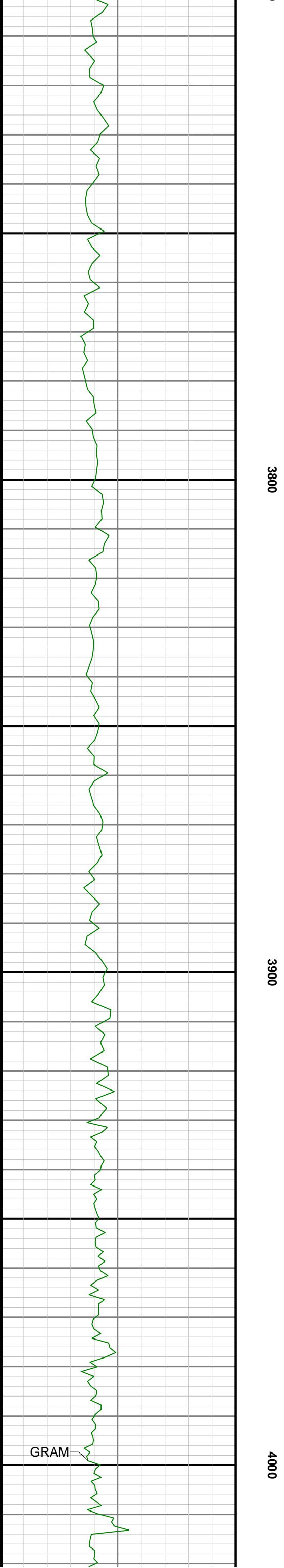
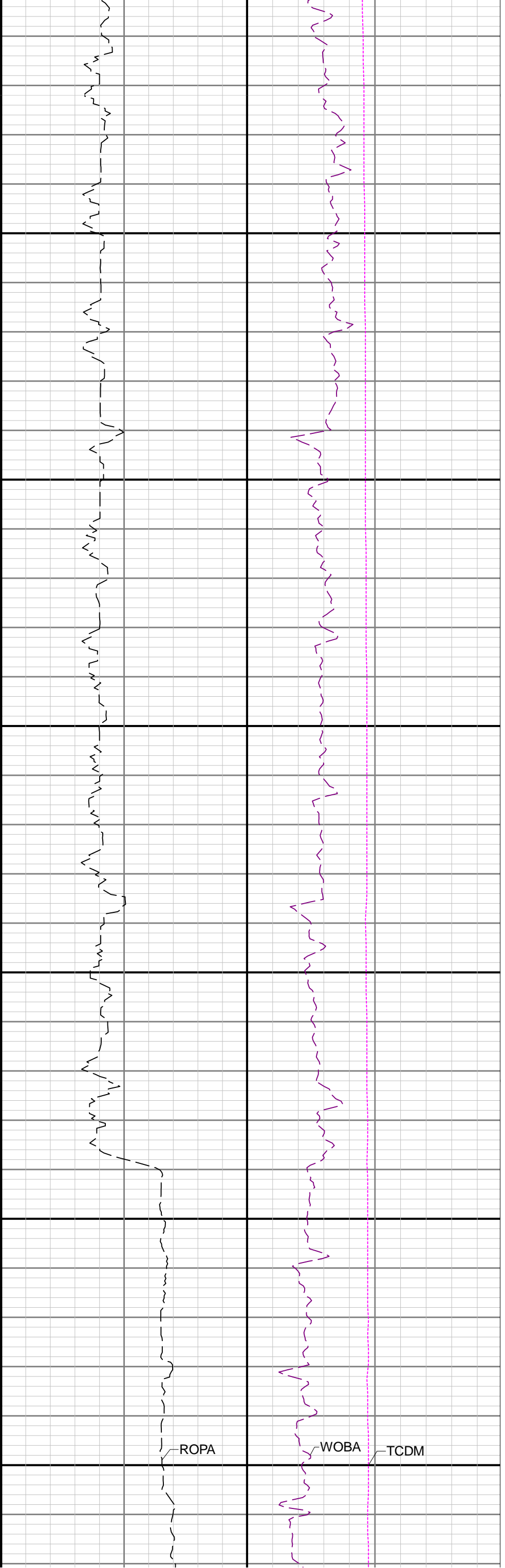
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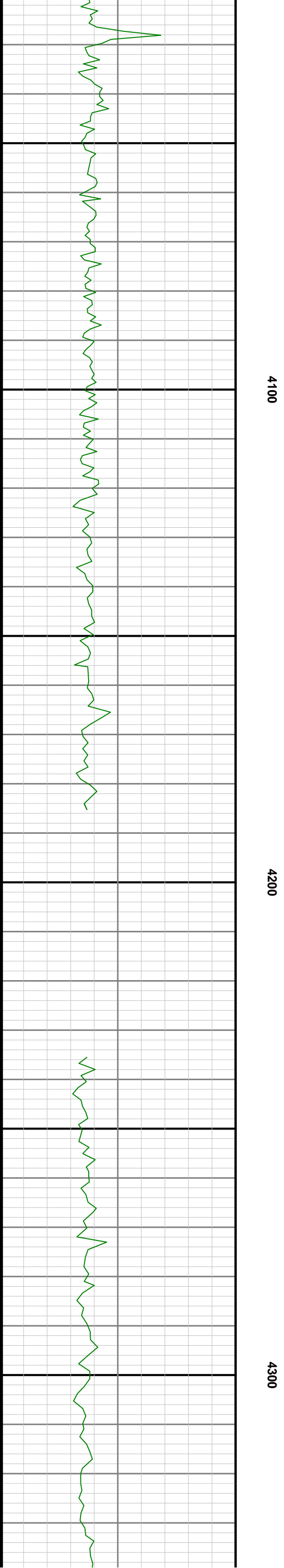
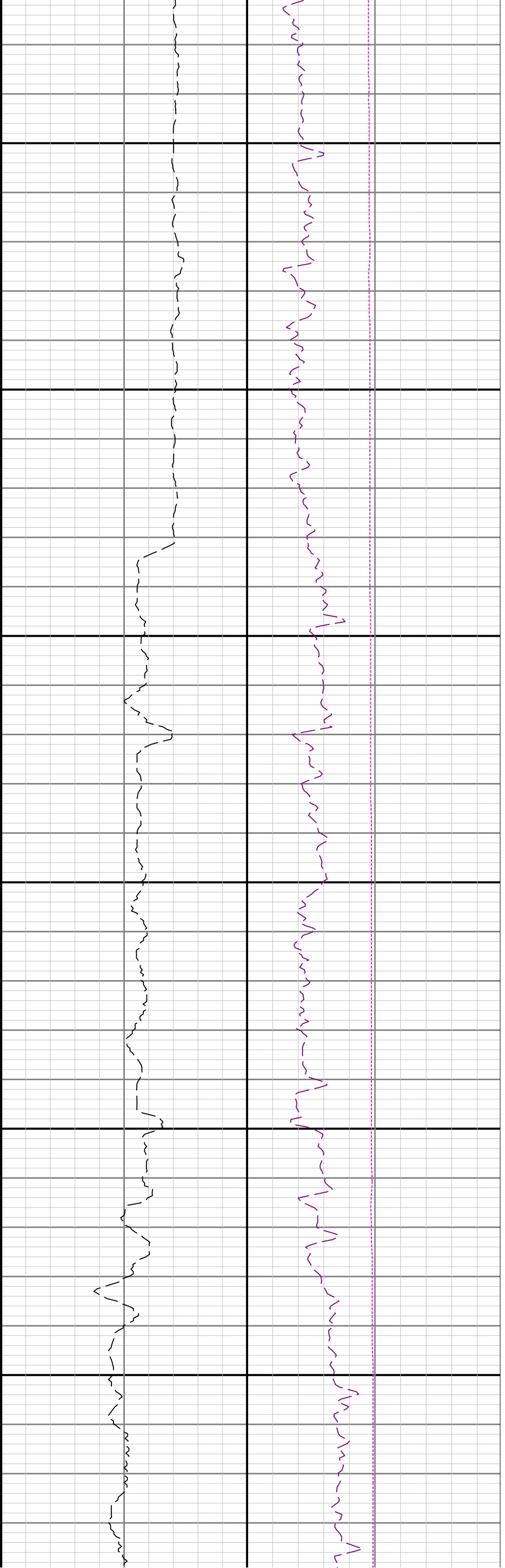
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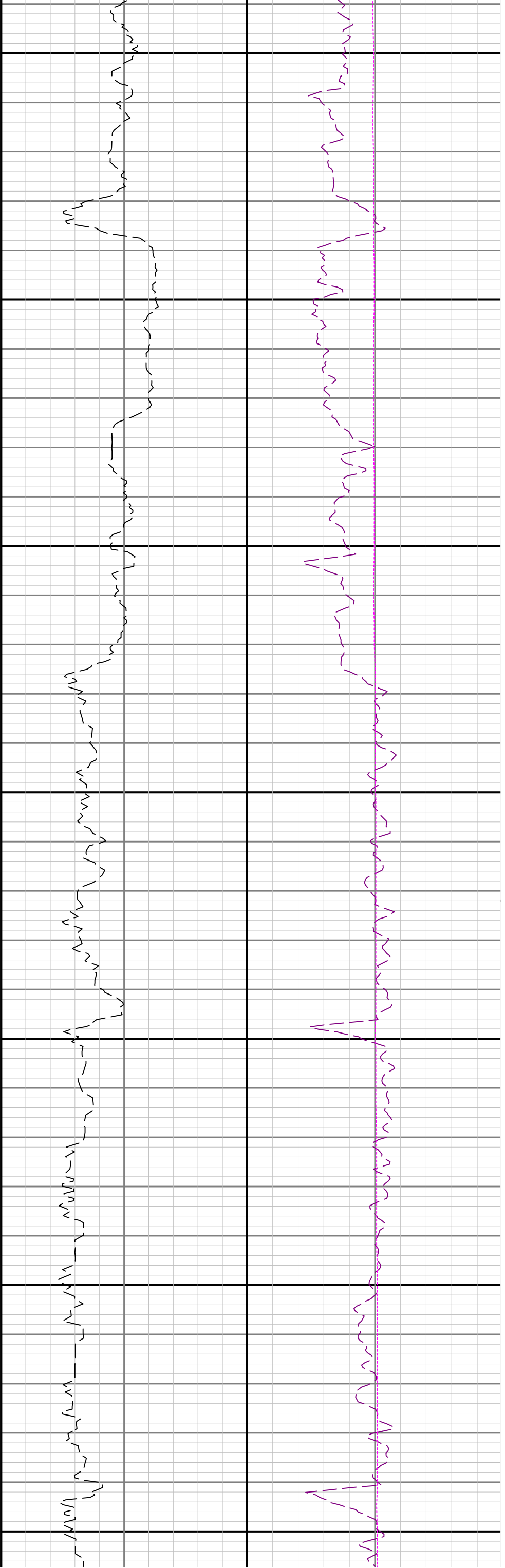
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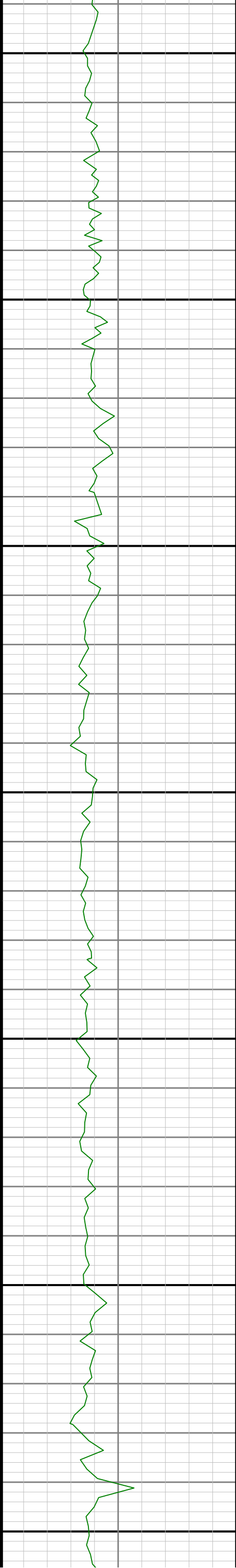


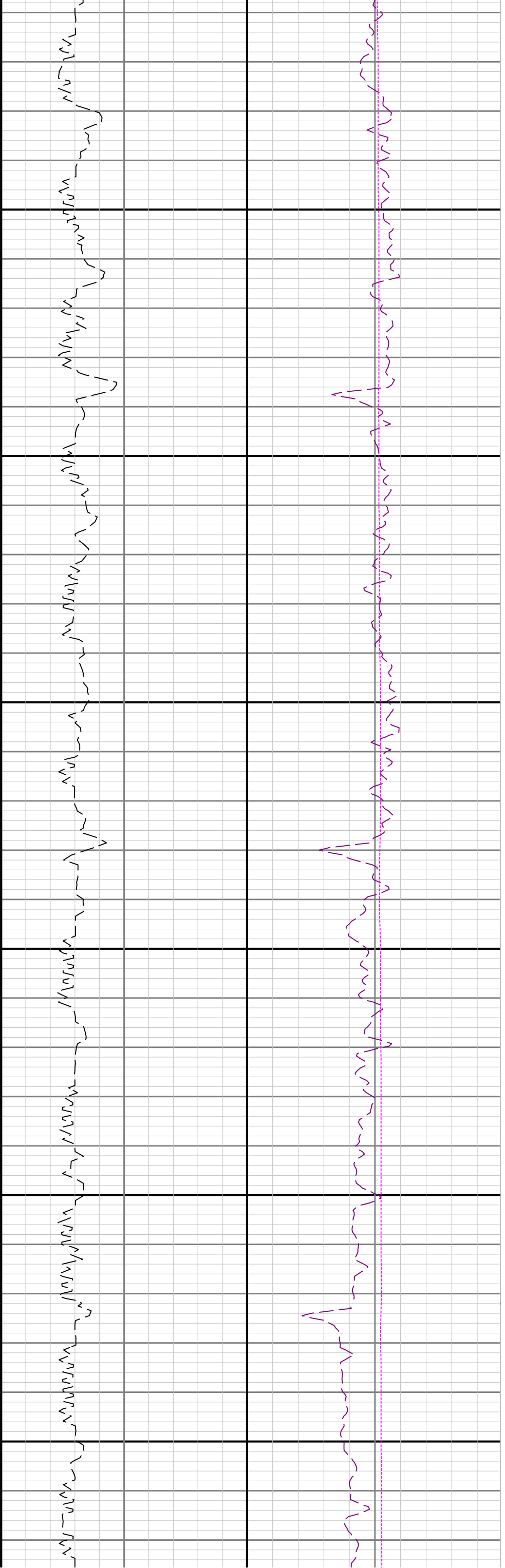


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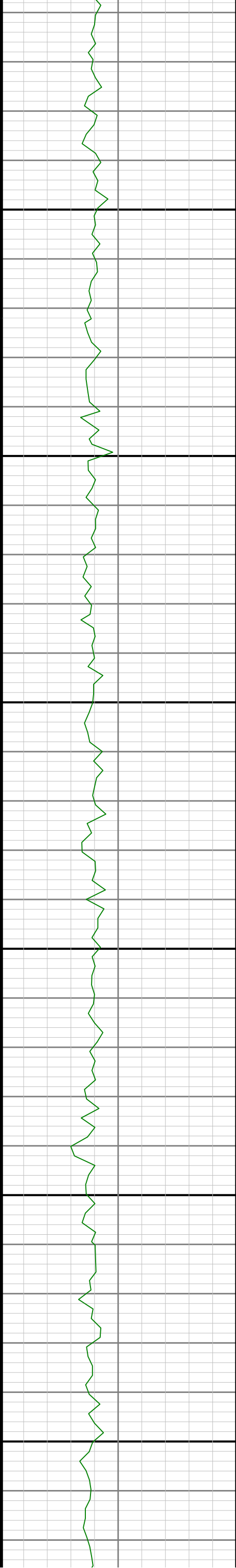


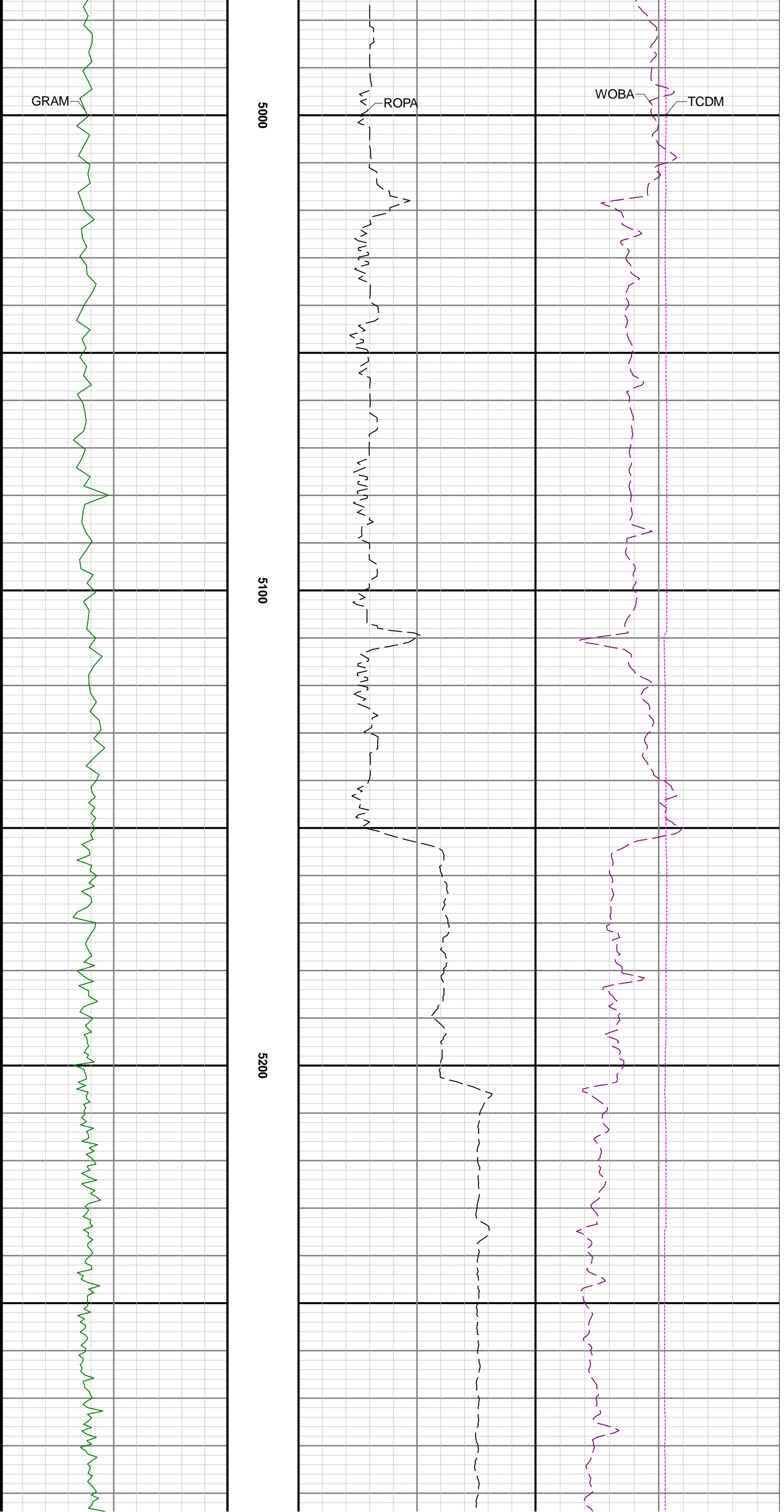


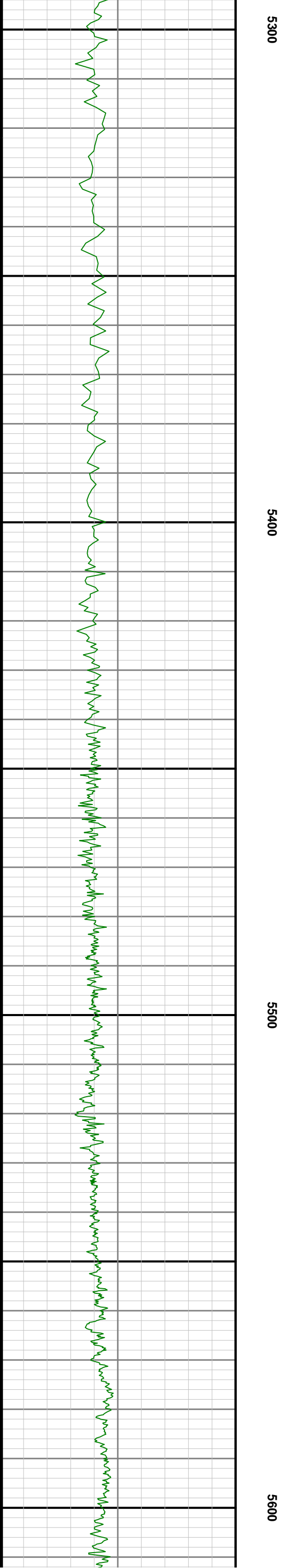
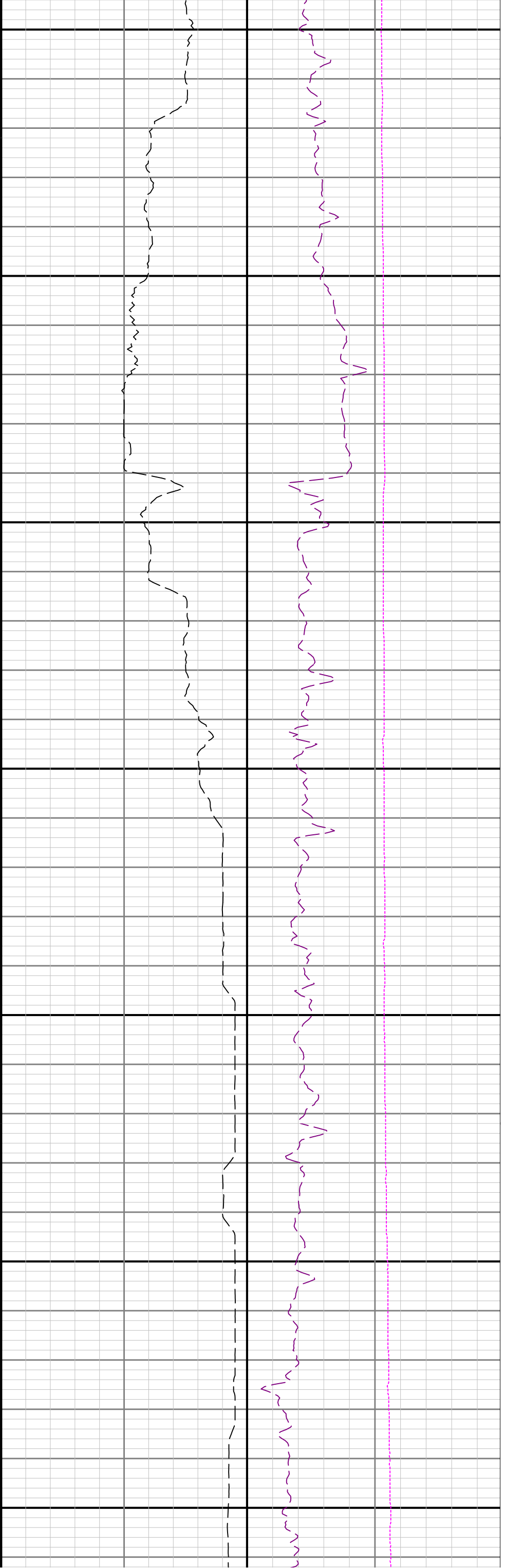
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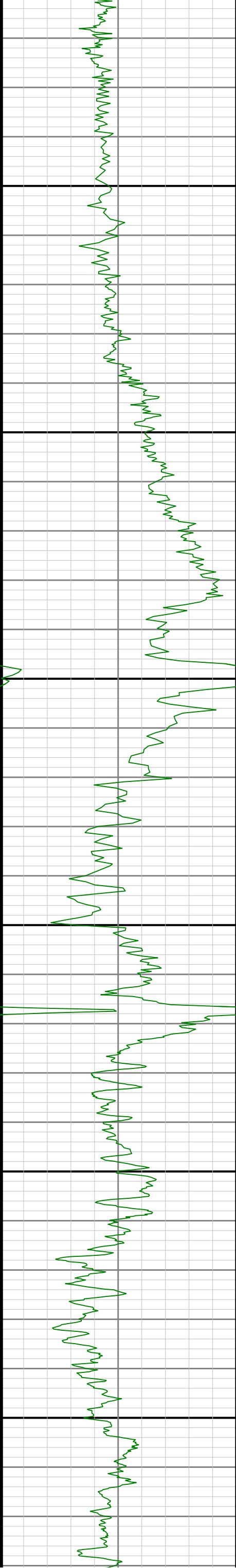
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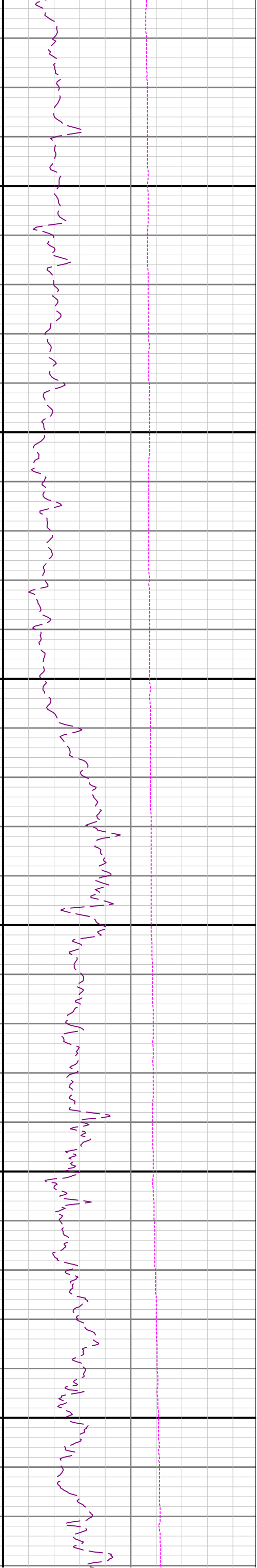
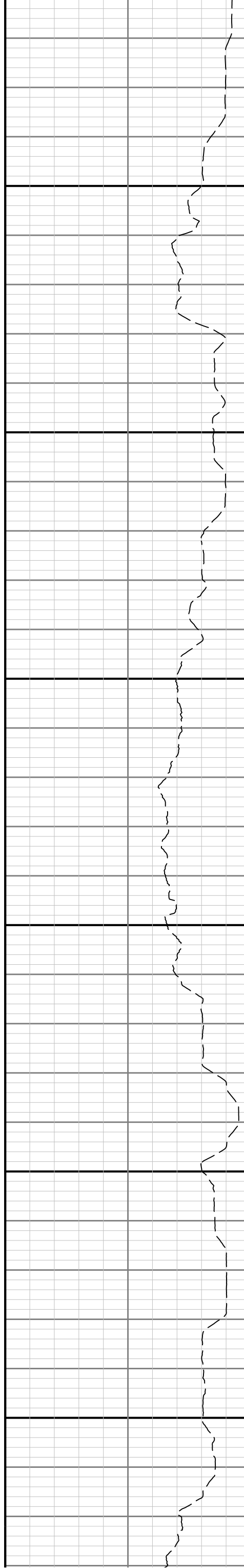


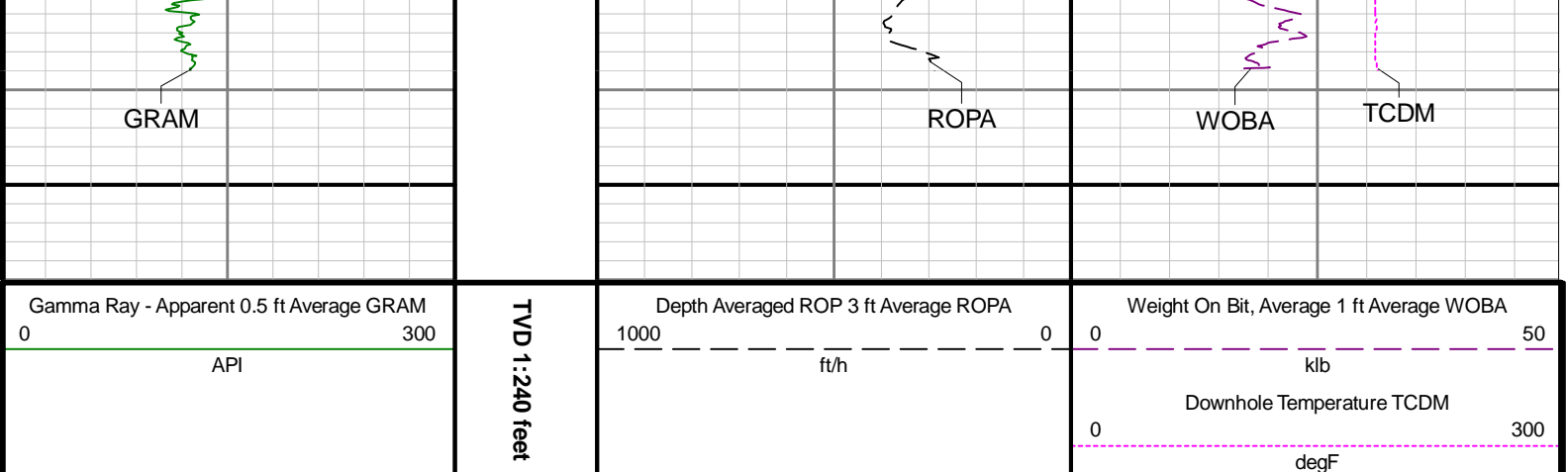


5700

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Directional Survey Summary													
Latitude:		040° 46' 25.716" N					Longitude:		103° 53' 37.500" W				
North Reference:		Grid					Drill Depth Zero:		Rig Floor				
Vertical Datum is:		Mean Sea Level					Vertical Datum to DDZ: (ft)		4864.00				
Vertical Section North: (ft)		0.00					Vertical Section East: (ft)		0.00				
Vertical Section Azimuth: (deg)		177.46											
Grid Convergence: (deg)		-1.04					Magnetic Declination: (deg)		7.25				
Total Correction: (deg)		6.21					TVD Calculation Method:		Minimum Curvature				
Magnetic Correction:		On					Local Magnetic Field: (nT)		52392				
Local Magnetic Dip Angle: (deg)		67.00					Local Gravity Field: (m/s2)		9.801				
Tie-In / Projection	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Temperature (degF)	North (ft)	East (ft)	True Vertical Depth (ft)	TVD Subsea (ft)	Vertical Section (ft)	Course Length (ft)	Dog Leg Severity (deg/100ft)	Build Rate (deg/100ft)	Turn Rate (deg/100ft)
Tie-In	0.00	0.00	0.00	N/A	0.00	0.00	0.00	-4864.00	0.00	0.00	0.00	0.00	0.00
	82.00	0.50	87.39	N/A	0.02	0.36	82.00	-4782.00	-0.00	82.00	0.61	0.61	106.57
	177.00	0.29	77.02	N/A	0.09	1.01	177.00	-4687.00	-0.04	95.00	0.23	-0.22	-10.92
	268.00	0.25	58.42	N/A	0.24	1.40	268.00	-4596.00	-0.18	91.00	0.11	-0.04	-20.44
	363.00	0.34	205.06	N/A	0.10	1.46	363.00	-4501.00	-0.03	95.00	0.60	0.09	154.36
	457.00	0.39	70.94	N/A	-0.05	1.64	456.99	-4407.01	0.12	94.00	0.72	0.05	-142.68
	552.00	0.77	92.86	N/A	0.02	2.58	551.99	-4312.01	0.09	95.00	0.46	0.40	23.07
	646.00	0.69	134.89	N/A	-0.41	3.62	645.98	-4218.02	0.57	94.00	0.56	-0.09	44.71
	741.00	0.36	135.05	N/A	-1.02	4.23	740.98	-4123.02	1.21	95.00	0.35	-0.35	0.17
	836.00	0.15	145.28	N/A	-1.34	4.51	835.98	-4028.02	1.53	95.00	0.23	-0.22	10.77
	930.00	0.38	143.04	N/A	-1.69	4.77	929.98	-3934.02	1.90	94.00	0.24	0.24	-2.38
	1024.00	0.30	25.83	N/A	-1.71	5.07	1023.98	-3840.02	1.94	94.00	0.62	-0.09	-124.69
	1119.00	0.39	176.34	N/A	-1.81	5.19	1118.97	-3745.03	2.04	95.00	0.70	0.09	158.43
	1213.00	0.10	261.65	N/A	-2.14	5.13	1212.97	-3651.03	2.37	94.00	0.42	-0.31	90.76
	1308.00	0.46	222.39	N/A	-2.44	4.79	1307.97	-3556.03	2.65	95.00	0.41	0.38	-41.33
	1402.00	0.49	171.51	N/A	-3.11	4.60	1401.97	-3462.03	3.31	94.00	0.44	0.03	-54.13
	1497.00	0.22	241.29	N/A	-3.60	4.50	1496.97	-3367.03	3.80	95.00	0.49	-0.28	73.45
	1591.00	0.33	256.43	N/A	-3.75	4.08	1590.97	-3273.03	3.93	94.00	0.14	0.12	16.11
	1686.00	0.29	246.99	N/A	-3.91	3.59	1685.97	-3178.03	4.07	95.00	0.07	-0.04	-9.94
	1781.00	0.16	345.63	N/A	-3.88	3.34	1780.97	-3083.03	4.02	95.00	0.37	-0.14	103.83
	1875.00	0.49	301.64	N/A	-3.54	2.96	1874.96	-2989.04	3.67	94.00	0.42	0.35	-46.80
	1913.00	0.66	305.10	N/A	-3.33	2.64	1912.96	-2951.04	3.44	38.00	0.46	0.45	9.11
	1978.00	0.73	261.46	104.1	-3.17	1.93	1977.96	-2886.04	3.26	65.00	0.80	0.11	-67.14
	2072.00	0.50	275.62	106.8	-3.22	0.93	2071.95	-2792.05	3.26	94.00	0.29	-0.24	15.06
	2166.00	0.89	319.12	109.5	-2.63	0.04	2165.95	-2698.05	2.63	94.00	0.67	0.41	46.28
	2260.00	1.15	282.45	109.5	-1.88	-1.36	2259.93	-2604.07	1.81	94.00	0.73	0.28	-39.01
	2355.00	0.70	182.49	114.9	-2.25	-2.31	2354.92	-2509.08	2.14	95.00	1.52	-0.47	-105.22
	2544.00	0.85	177.39	117.6	-4.80	-2.30	2543.91	-2320.09	4.70	189.00	0.09	0.08	-2.70
	2638.00	0.81	87.66	117.6	-5.47	-1.60	2637.90	-2226.10	5.40	94.00	1.25	-0.04	-95.46
	2733.00	0.65	53.14	117.6	-5.12	-0.50	2732.89	-2131.11	5.09	95.00	0.48	-0.17	-36.34
	2827.00	1.08	57.98	120.3	-4.33	0.68	2826.88	-2037.12	4.36	94.00	0.46	0.46	5.15
	2922.00	3.21	43.85	120.3	-1.94	3.28	2921.81	-1942.19	2.08	95.00	2.29	2.24	-14.87
	3111.00	6.73	58.77	131.1	7.62	16.42	3110.08	-1753.92	-6.89	189.00	1.97	1.86	7.89
	3206.00	6.41	59.19	131.1	13.22	25.73	3204.45	-1659.55	-12.07	95.00	0.34	-0.34	0.44
	3301.00	6.25	48.43	131.1	19.37	34.16	3298.88	-1565.12	-17.84	95.00	1.26	-0.17	-11.33
	3490.00	6.67	42.87	133.8	34.24	49.32	3486.68	-1377.32	-32.02	189.00	0.40	0.22	-2.94
	3584.00	6.43	41.12	133.8	42.21	56.50	3580.06	-1283.94	-39.66	94.00	0.33	-0.26	-1.86
	3678.00	6.37	41.15	133.8	50.10	63.39	3673.48	-1190.52	-47.24	94.00	0.06	-0.06	0.03
	3773.00	5.21	43.04	139.2	57.22	69.80	3767.99	-1096.01	-54.07	95.00	1.24	-1.22	1.99
	3962.00	1.61	31.20	141.9	65.77	77.04	3956.63	-907.37	-62.29	189.00	1.93	-1.90	-6.26
	4057.00	3.98	27.21	144.6	69.84	79.24	4051.51	-812.49	-66.26	95.00	2.50	2.49	-4.20
	4152.00	6.31	32.22	144.6	77.19	83.53	4146.12	-717.88	-73.41	95.00	2.50	2.45	5.27
	4246.00	5.05	51.95	144.6	84.11	89.54	4239.67	-624.33	-80.06	94.00	2.45	-1.34	20.99
	4341.00	5.38	45.34	147.3	89.82	96.00	4334.27	-529.73	-85.48	95.00	0.72	0.35	-6.96
	4436.00	6.14	46.99	147.3	96.42	102.88	4428.79	-435.21	-91.76	95.00	0.82	0.80	1.74
	4530.00	6.15	42.84	150.0	103.54	109.98	4522.25	-341.75	-98.56	94.00	0.47	0.01	-4.41
	4624.00	5.96	47.05	152.7	110.55	116.98	4615.73	-248.27	-105.26	94.00	0.51	-0.20	4.48
	4719.00	6.21	42.29	155.4	117.72	124.05	4710.19	-153.81	-112.10	95.00	0.59	0.26	-5.01
	4813.00	6.09	43.85	155.4	125.07	130.92	4803.65	-60.35	-119.15	94.00	0.22	-0.13	1.66
	4908.00	6.14	43.70	158.1	132.38	137.92	4898.11	34.11	-126.14	95.00	0.06	0.05	-0.16
	5003.00	5.89	43.29	158.1	139.60	144.78	4992.59	128.59	-133.05	95.00	0.27	-0.26	-0.43
	5097.00	6.16	51.05	160.8	146.28	152.01	5086.07	222.07	-139.40	94.00	0.91	0.29	8.26
	5192.00	5.94	43.72	160.8	153.04	159.37	5180.54	316.54	-145.83	95.00	0.84	-0.23	-7.72
	5287.00	4.43	139.07	158.1	153.82	165.18	5275.29	411.29	-146.35	95.00	8.14	-1.59	100.37
	5381.00	8.80	223.48	158.1	145.84	162.60	5368.81	504.81	-138.49	94.00	10.05	4.65	89.80
	5476.00	12.97	204.92	160.8	130.89	153.10	5462.11	598.11	-123.98	95.00	5.68	4.39	-19.54
	5571.00	20.67	171.41	166.2	104.55	151.11	5553.18	689.18	-97.75	95.00	12.73	8.11	-35.27
	5665.00	31.79	163.18	168.9	64.30	160.78	5637.39	773.39	-57.11	94.00	12.42	11.83	-8.76
	5760.00	40.48	170.70	171.6	9.79	173.04	5714.08	850.08	-2.11	95.00	10.26	9.15	7.92
	5854.00	48.55	173.96	171.6	-55.47	181.69	5781.06	917.06	63.47	94.00	8.92	8.59	3.47
	5949.00	56.04	174.01	177.0	-130.17	189.56	5839.12	975.12	138.44	95.00	7.88	7.88	0.05
	6043.00	65.97	173.96	179.7	-211.83	198.17	5884.63	1020.63	220.40	94.00	10.56	10.56	-0.05
	6138.00	75.44	176.06	185.2	-301.05	205.91	5915.99	1051.99	309.88	95.00	10.18	9.97	2.21
	6232.00	83.92	180.07	185.2	-393.37	208.98	5932.82	1068.82	402.25	94.00	9.95	9.02	4.27
	6327												

	7273.00	90.22	178.18	204.1	-1431.69	273.46	5934.56	1070.56	1442.40	95.00	2.16	-0.16	2.16
	7367.00	90.49	177.90	204.1	-1525.63	276.67	5933.97	1069.97	1536.39	94.00	0.41	0.29	-0.30
	7462.00	90.12	176.89	206.8	-1620.53	280.99	5933.47	1069.47	1631.39	95.00	1.13	-0.39	-1.06
	7556.00	90.46	176.84	204.1	-1714.39	286.13	5932.99	1068.99	1725.38	94.00	0.37	0.36	-0.05
	7651.00	90.06	179.43	206.8	-1809.33	289.22	5932.56	1068.56	1820.37	95.00	2.76	-0.42	2.73
	7745.00	90.25	180.95	209.5	-1903.33	288.91	5932.31	1068.31	1914.26	94.00	1.63	0.20	1.62
	7840.00	90.18	182.51	209.5	-1998.28	286.04	5931.95	1067.95	2008.99	95.00	1.64	-0.07	1.64
	7935.00	90.15	184.63	212.2	-2093.09	280.13	5931.68	1067.68	2103.45	95.00	2.23	-0.03	2.23
	8029.00	90.09	183.75	209.5	-2186.84	273.26	5931.48	1067.48	2196.80	94.00	0.94	-0.06	-0.94
	8123.00	90.18	181.03	212.2	-2280.75	269.34	5931.26	1067.26	2290.44	94.00	2.90	0.10	-2.89
	8218.00	90.12	180.86	193.3	-2375.73	267.77	5931.01	1067.01	2385.26	95.00	0.19	-0.06	-0.18
	8312.00	90.31	180.72	117.6	-2469.72	266.48	5930.66	1066.66	2479.11	94.00	0.25	0.20	-0.15
	8407.00	90.06	180.07	193.3	-2564.72	265.82	5930.35	1066.35	2573.98	95.00	0.73	-0.26	-0.68
	8501.00	90.15	180.06	193.3	-2658.72	265.71	5930.18	1066.18	2667.88	94.00	0.10	0.10	-0.01
	8690.00	90.15	179.85	198.7	-2847.72	265.86	5929.68	1065.68	2856.70	189.00	0.11	-0.00	-0.11
	8785.00	90.18	179.49	204.1	-2942.72	266.41	5929.41	1065.41	2951.63	95.00	0.38	0.03	-0.38
	8974.00	90.22	180.80	204.1	-3131.71	265.93	5928.75	1064.75	3140.42	189.00	0.69	0.02	0.69
	9163.00	90.37	183.55	212.2	-3320.55	258.76	5927.78	1063.78	3328.76	189.00	1.46	0.08	1.46
	9257.00	90.09	184.23	209.5	-3414.34	252.38	5927.40	1063.40	3422.17	94.00	0.78	-0.30	0.72
	9352.00	89.97	181.44	214.9	-3509.21	247.68	5927.35	1063.35	3516.74	95.00	2.94	-0.13	-2.94
	9447.00	90.09	179.42	214.9	-3604.20	246.97	5927.30	1063.30	3611.61	95.00	2.13	0.13	-2.13
	9541.00	90.15	175.83	258.1	-3698.11	250.87	5927.10	1063.10	3705.59	94.00	3.82	0.06	-3.82
	9636.00	90.03	172.19	217.6	-3792.57	260.78	5926.95	1062.95	3800.40	95.00	3.83	-0.13	-3.83
	9730.00	90.09	173.75	220.3	-3885.86	272.28	5926.85	1062.85	3894.11	94.00	1.66	0.06	1.66
	9825.00	89.97	174.63	217.6	-3980.37	281.90	5926.81	1062.81	3988.95	95.00	0.93	-0.13	0.93
	9919.00	90.28	179.01	220.3	-4074.20	287.11	5926.60	1062.60	4082.93	94.00	4.67	0.33	4.66
	10015.00	90.22	182.61	123.0	-4170.18	285.75	5926.18	1062.18	4178.74	96.00	3.75	-0.06	3.75
	10110.00	90.25	180.16	214.9	-4265.14	283.46	5925.79	1061.79	4273.51	95.00	2.58	0.03	-2.58
	10204.00	91.17	177.94	214.9	-4359.12	285.02	5924.63	1060.63	4367.46	94.00	2.56	0.98	-2.36
	10299.00	92.16	176.46	214.9	-4453.96	289.66	5921.87	1057.87	4462.42	95.00	1.87	1.04	-1.56
	10392.00	91.05	175.73	217.6	-4546.70	295.99	5919.26	1055.26	4555.35	93.00	1.43	-1.19	-0.78
	10486.00	90.06	176.74	217.6	-4640.49	302.16	5918.35	1054.35	4649.33	94.00	1.50	-1.05	1.07
	10581.00	89.97	179.08	217.6	-4735.42	305.62	5918.33	1054.33	4744.32	95.00	2.46	-0.09	2.46
	10675.00	90.09	178.93	220.3	-4829.41	307.25	5918.28	1054.28	4838.28	94.00	0.20	0.13	-0.16
	10769.00	89.82	178.60	223.0	-4923.39	309.28	5918.35	1054.35	4932.26	94.00	0.45	-0.29	-0.35
	10864.00	90.22	180.47	223.0	-5018.38	310.05	5918.32	1054.32	5027.19	95.00	2.01	0.42	1.97
	10959.00	89.75	182.03	225.7	-5113.35	307.98	5918.34	1054.34	5121.98	95.00	1.72	-0.49	1.64
	11053.00	89.88	184.19	228.4	-5207.21	302.88	5918.65	1054.65	5215.52	94.00	2.30	0.14	2.30
	11148.00	90.43	180.64	225.7	-5302.11	298.88	5918.39	1054.39	5310.15	95.00	3.78	0.58	-3.74
	11242.00	90.28	176.67	228.4	-5396.06	301.08	5917.81	1053.81	5404.10	94.00	4.23	-0.16	-4.22
	11337.00	90.09	171.76	228.4	-5490.55	310.66	5917.50	1053.50	5498.92	95.00	5.17	-0.20	-5.17
	11431.00	89.75	171.67	241.9	-5583.57	324.20	5917.63	1053.63	5592.45	94.00	0.37	-0.36	-0.10
	11526.00	90.37	173.42	231.1	-5677.76	336.53	5917.53	1053.53	5687.10	95.00	1.95	0.65	1.84
	11620.00	90.09	175.18	231.1	-5771.29	345.86	5917.15	1053.15	5780.95	94.00	1.90	-0.30	1.87
	11715.00	90.18	178.07	233.8	-5866.12	351.45	5916.93	1052.93	5875.93	95.00	3.04	0.09	3.04
	11810.00	90.15	178.92	233.8	-5961.08	353.95	5916.66	1052.66	5970.91	95.00	0.90	-0.03	0.89
	11904.00	89.97	181.37	236.5	-6055.08	353.71	5916.56	1052.56	6064.80	94.00	2.61	-0.19	2.61
	11999.00	90.49	181.81	236.5	-6150.04	351.08	5916.18	1052.18	6159.55	95.00	0.72	0.55	0.46
	12093.00	89.94	178.48	236.5	-6244.02	350.84	5915.82	1051.82	6253.44	94.00	3.59	-0.59	-3.54
	12188.00	90.18	175.31	239.2	-6338.87	355.98	5915.72	1051.72	6348.42	95.00	3.35	0.25	-3.34
	12282.00	90.03	172.41	239.2	-6432.32	366.04	5915.55	1051.55	6442.22	94.00	3.09	-0.16	-3.09
	12377.00	90.34	171.91	239.2	-6526.43	378.99	5915.24	1051.24	6536.82	95.00	0.62	0.33	-0.53
	12471.00	90.40	173.89	239.2	-6619.71	390.61	5914.64	1050.64	6630.51	94.00	2.11	0.06	2.11
	12565.00	90.55	177.00	239.2	-6713.39	398.08	5913.86	1049.86	6724.44	94.00	3.31	0.16	3.31
	12660.00	90.49	179.67	239.2	-6808.34	400.84	5913.00	1049.00	6819.42	95.00	2.81	-0.06	2.81
	12754.00	90.71	180.46	241.9	-6902.34	400.73	5912.01	1048.01	6913.31	94.00	0.87	0.23	0.84
	12849.00	90.28	178.12	241.9	-6997.32	401.91	5911.19	1047.19	7008.25	95.00	2.50	-0.45	-2.46
	12944.00	90.40	176.42	241.9	-7092.20	406.43	5910.63	1046.63	7103.25	95.00	1.79	0.13	-1.79
	13038.00	90.34	173.29	241.9	-7185.81	414.86	5910.02	1046.02	7197.14	94.00	3.33	-0.06	-3.33
	13132.00	90.09	175.59	244.6	-7279.36	423.97	5909.67	1045.67	7291.00	94.00	2.46	-0.27	2.45
	13227.00	90.15	181.17	244.6	-7374.29	426.65	5909.47	1045.47	7385.95	95.00	5.87	0.06	5.87
	13321.00	90.49	183.32	244.6	-7468.21	422.97	5908.94	1044.94	7479.62	94.00	2.32	0.36	2.29
	13416.00	90.68	178.02	244.6	-7563.16	421.86	5907.97	1043.97	7574.43	95.00	5.58	0.20	-5.58
	13510.00	90.15	174.17	244.6	-7656.92	428.26	5907.29	1043.29	7668.38	94.00	4.13	-0.56	-4.10
	13605.00	90.03	173.37	244.6	-7751.36	438.57	5907.14	1043.14	7763.18	95.00	0.85	-0.13	-0.84
	13699.00	89.88	174.37	247.3	-7844.82	448.61	5907.22	1043.22	7857.00	94.00	1.08	-0.16	1.06
	13794.00	90.55	177.35	247.3	-7939.56	455.46	5906.86	1042.86	7951.95	95.00	3.22	0.71	3.14
	13888.00	90.12	179.61	244.6	-8033.52	457.96	5906.31	1042.31	8045.93	94.00	2.45	-0.46	2.40
	13983.00	90.12	180.19	244.6	-8128.52	458.12	5906.11	1042.11	8140.84	95.00	0.61	0.00	0.61
	14077.00	90.52	181.50	247.3	-8222.51	456.74	5905.59	1041.59	8234.67	94.00	1.46	0.43	1.39
	14171.00	89.91	179.93	247.3	-8316.50	455.56	5905.23	1041.23	8328.52	94.00	1.79	-0.65	-1.67
	14266.00	91.72	176.76	247.3	-8411.43	458.31	5903.88	1039.88	8423.48	95.00	3.84	1.91	-3.34
	14361.00	90.34	174.29	247.3	-8506.12	465.72	5902.17	1038.17	8518.40	95.00	2.98	-1.45	-2.60
	14455.00	90.00	175.98	247.3	-8599.77	473.69	5901.89	1037.89	8612.32	94.00	1.83	-0.36	1.80
	14549.00	90.18	179.86	247.3	-8693.69	477.10	5901.75	1037.75	8706.30	94.00	4.13	0.19	4.13
	14644.00	90.86	176.78	247.3	-8788.64	479.88	5900.88	1036.88	8801.27	95.00	3.32	0.72	-3.24
	14738.00	90.06	175.87	247.3	-8882.44	485.91	5900.13	1036.13	8895.25	94.00	1.29	-0.85	-0.97
	14832.00	90.06	178.67	247.3	-8976.32	490.39	5900.03	1036.03	8989.24	94.00	2.98	-0.00	2.98
	14927.00	89.97	181.75	250.0	-9071.31	490.04	5900.01	1036.01	9084.12	95.00	3.24	-0.09	3.24
	15021.00	89.72	179.81	250.0	-9165.30	488.76	5900.26	1036.26	9177.95	94.00	2.08	-0.27	-2.06
	15116.00	90.71	182.10	250.0	-9260.28	487.17	5899.90	1035.90	9272.77	95.00	2.63	1.04	2.41
	15210.00	89.78	180.84	250.0	-9354.24	484.76	5899.50	1035.50	9366.53	94.00	1.67	-0.99	-1.34
	15305.00	90.25	178.06	250.0	-9449.23	485.68	5899.48	1035.48	9461.47	95.00	2.97	0.49	-2.93
	15400.00	90.12	181.58	250.0	-9544.21	485.97	5899.17	1035.17					