

Company : HIGHPOINT RESOURCES

Well : WETCO 4-63-5-4033CB

Field : DJ BASIN

Date : 13-Jan-2019

Time : 14:06

GAMMA-RAY RESISTIVITY CONDUCTIVITY 5 " = 100 ' 5 " = 100 ' FEET MD																			
COMPANY : HIGHPOINT RESOURCES WELL : WETCO 4-63-5-4033CB FIELD : DJ BASIN COUNTY : WELD STATE : CO COUNTRY : USA API WELL No. : 05-123-48495																			
COMPANY : HIGHPOINT RESOURCES WELL : WETCO 4-63-5-4033CB FIELD : DJ BASIN COUNTY : WELD STATE : CO COUNTRY : USA API No. : 05-123-48495					WELL LOCATION LAT 40°20'23.805N LONG 104°26'58.801W SEC: TWP: RANGE:					OTHER SERVICES									
DEPTH REF. : ROTARY TABLE ELEVATION : ft (ROTARY TABLE - MEAN SEA LEVEL) WATER DEPTH : ft (MEAN SEA LEVEL - SEA BED)																			
BOREHOLE RECORD										DEVIATION RECORD									
HOLE SIZE in		FROM ft		TO ft		INCLINATION deg		FROM ft		TO ft									
8 3/4		839		6918															
CASING RECORD																			
CASING SIZE in		FROM ft		TO ft															
DRILLING Co.: Cade Drilling RIG : 23 LMD UNIT No.: SPUD DATE : LMD START DATE : 01/12/19 LMD END DATE : 01/13/19 TOTAL DEPTH : 6063 ft										DISTRICT : DEPTH : 855 ft DEPTH : 6918 ft TOTAL DEPTH : 6063 ft									

RUN DATA						
RUN NUMBER	1					
START DATE	01/12/19					
START TIME	01:40					
END DATE	01/13/19					
END TIME	11:45					
DEPTH IN ft	957					
DEPTH OUT ft	6918					
LOG TOP ft	708					
LOG BOTTOM ft	6199					
HOLE SIZE in	8 3/4					
MUD DATA @ ft	5200					
MUD TYPE	WATER					
DENSITY lb/gal	9.60					
VISCOSITY s/qt						
pH						
FLUID LOSS cm3/30						
SALINITY ppm						
Rm ohmm @ deg F	@					
Rmf ohmm @ deg F	@					

MAX REC TEMP deg F						
Rm @ MAX TEMP ohmm						
LWD ENGINEER #1	S. BRANDAO					
LWD ENGINEER #2						
LWD ENGINEER #3						

REMARKS

PANTHER DRILLING SYSTEM JOB: #756H-2019

HIGHPOINT RESOURCES AFE: #20328B

ALL LOGGING DATA IS MEMORY UNLESS STATED OTHERWISE

ALL REFERENCES TO LOG TOP, LOG BOTTOM, OR LOGGING TOOL DEPTH REFER TO THE GAMMA-RAY SENSOR UNLESS STATED OTHERWISE

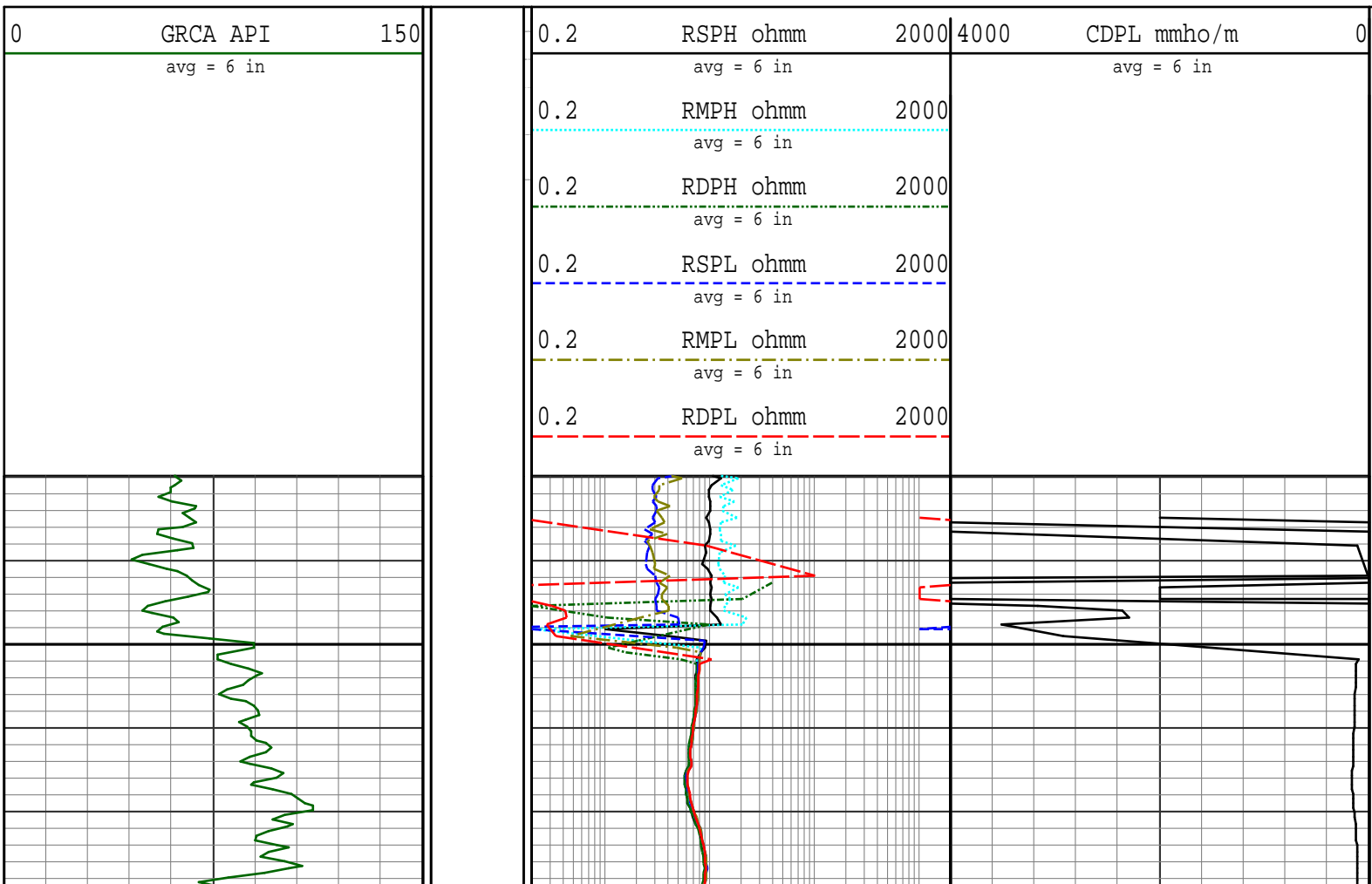
GAMMA-RAY AND RESISTIVITY LOGGED IN MEMORY MODE

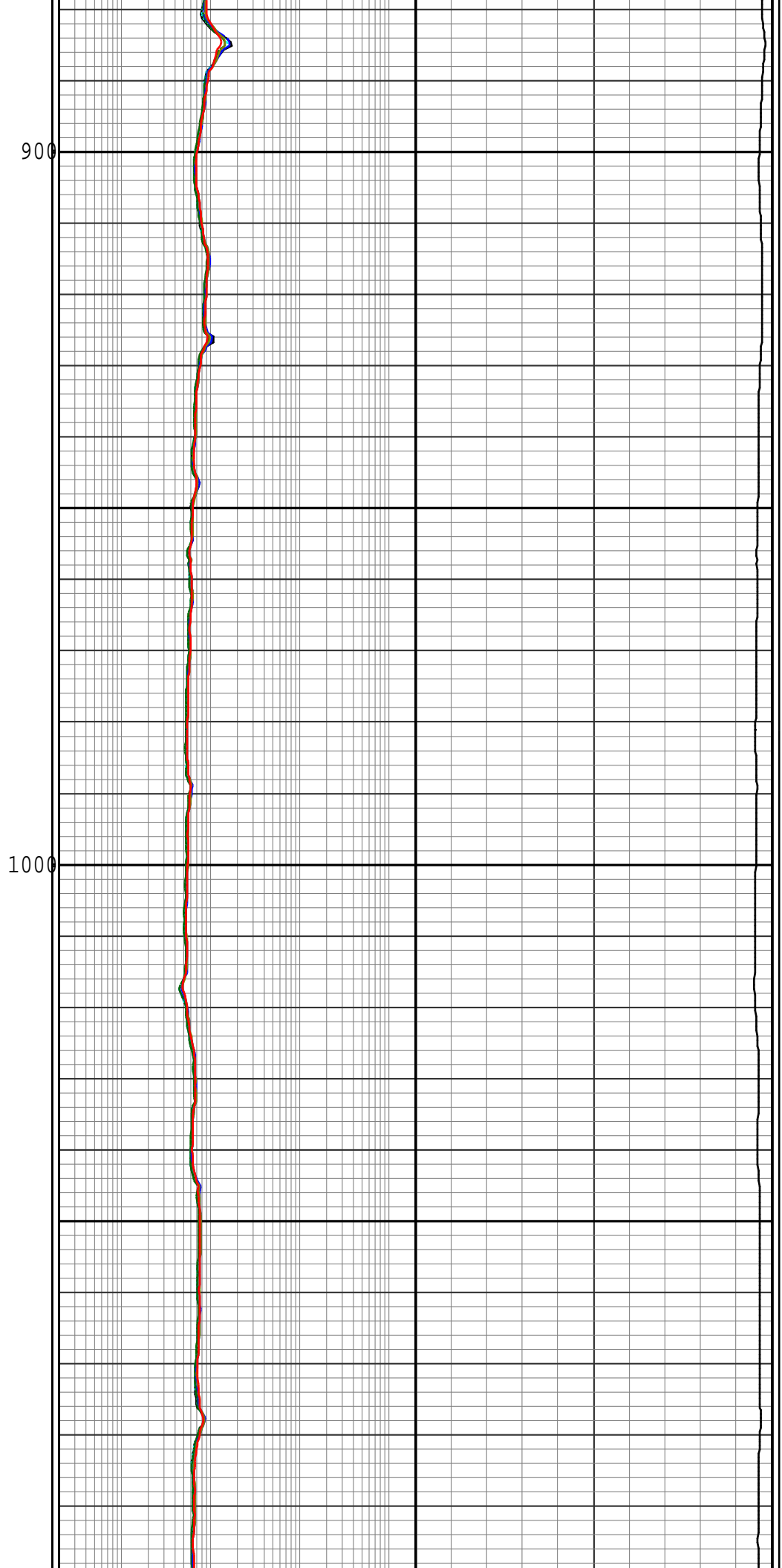
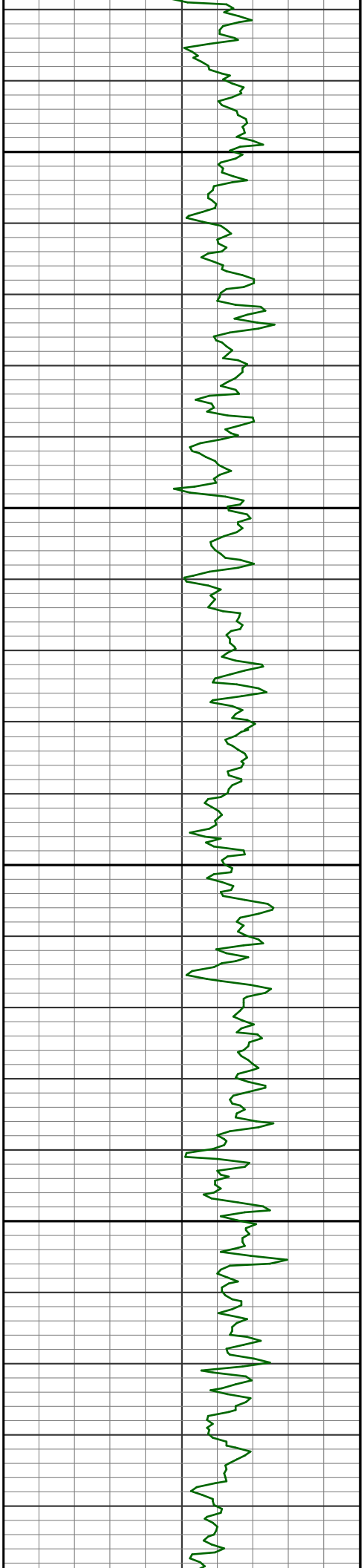
RUN #1: 6 3/4" AWR/GAMMA AND RESISTIVITY LOGGING RUN

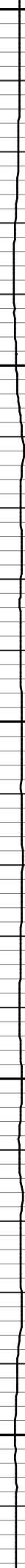
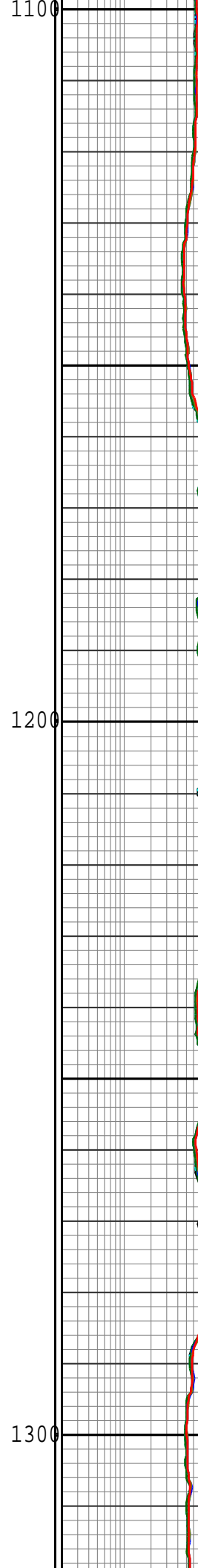
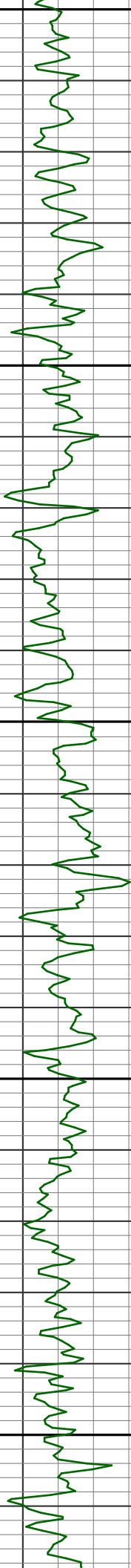
THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA

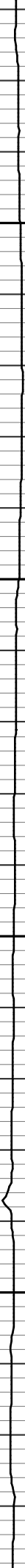
Version No : RX6 V7.02-TP Release 06Jan2017

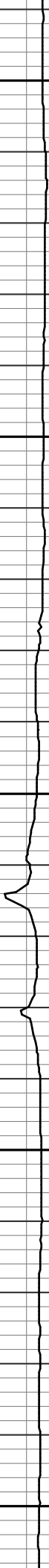
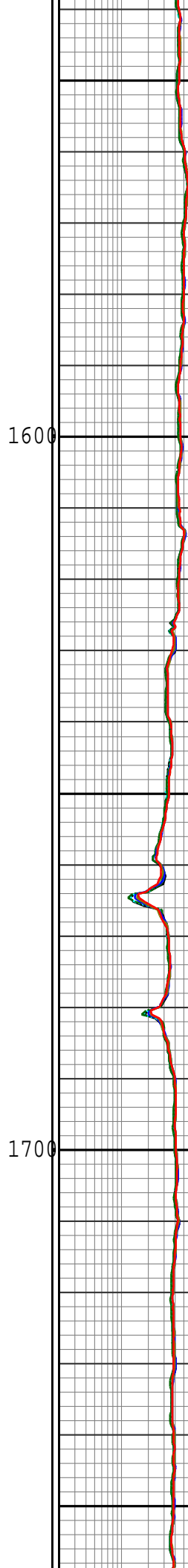
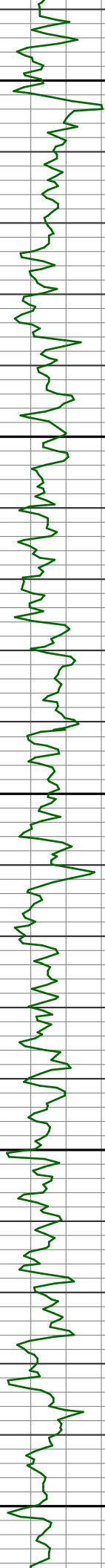
Plot Time : 13-Jan-2019 14:06







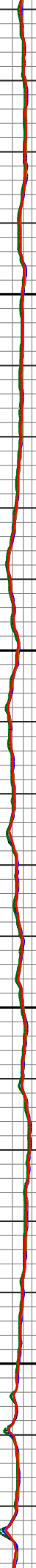


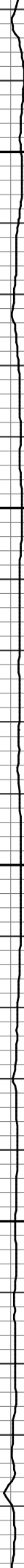
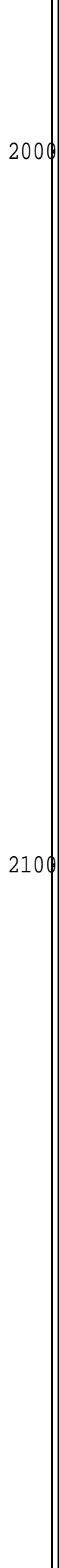
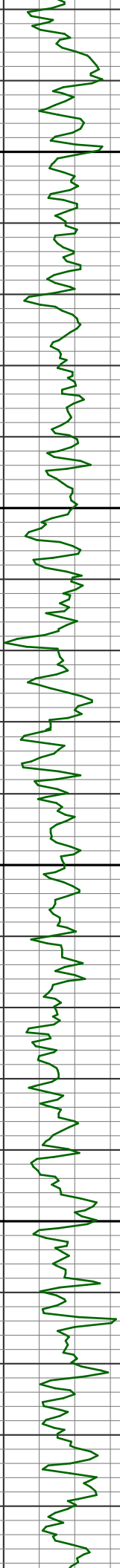


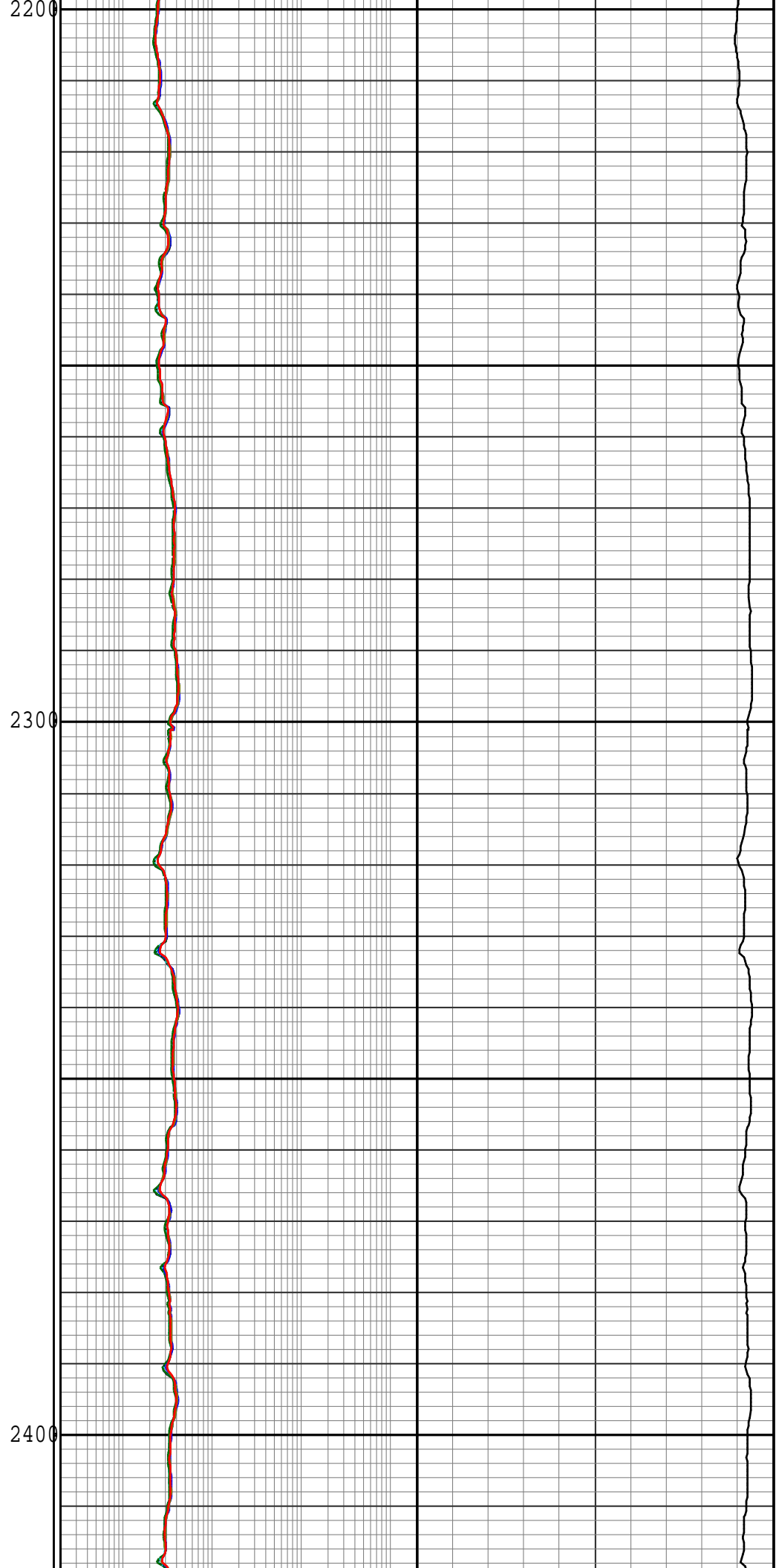
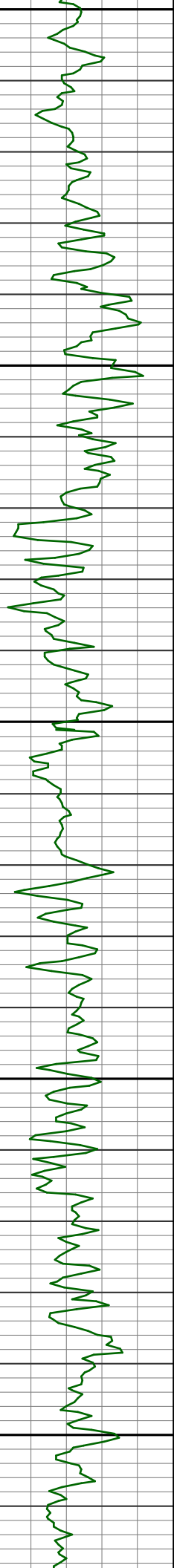


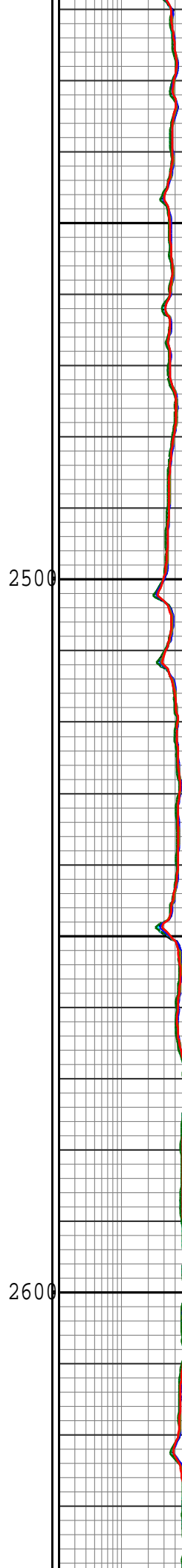
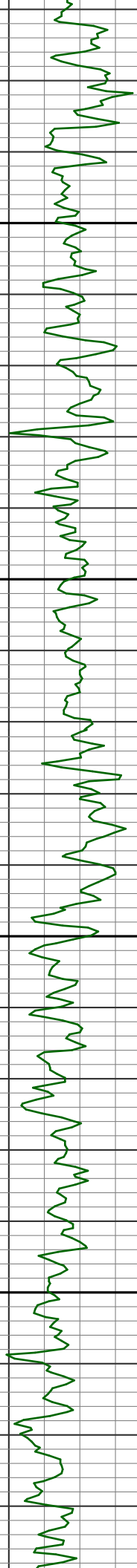
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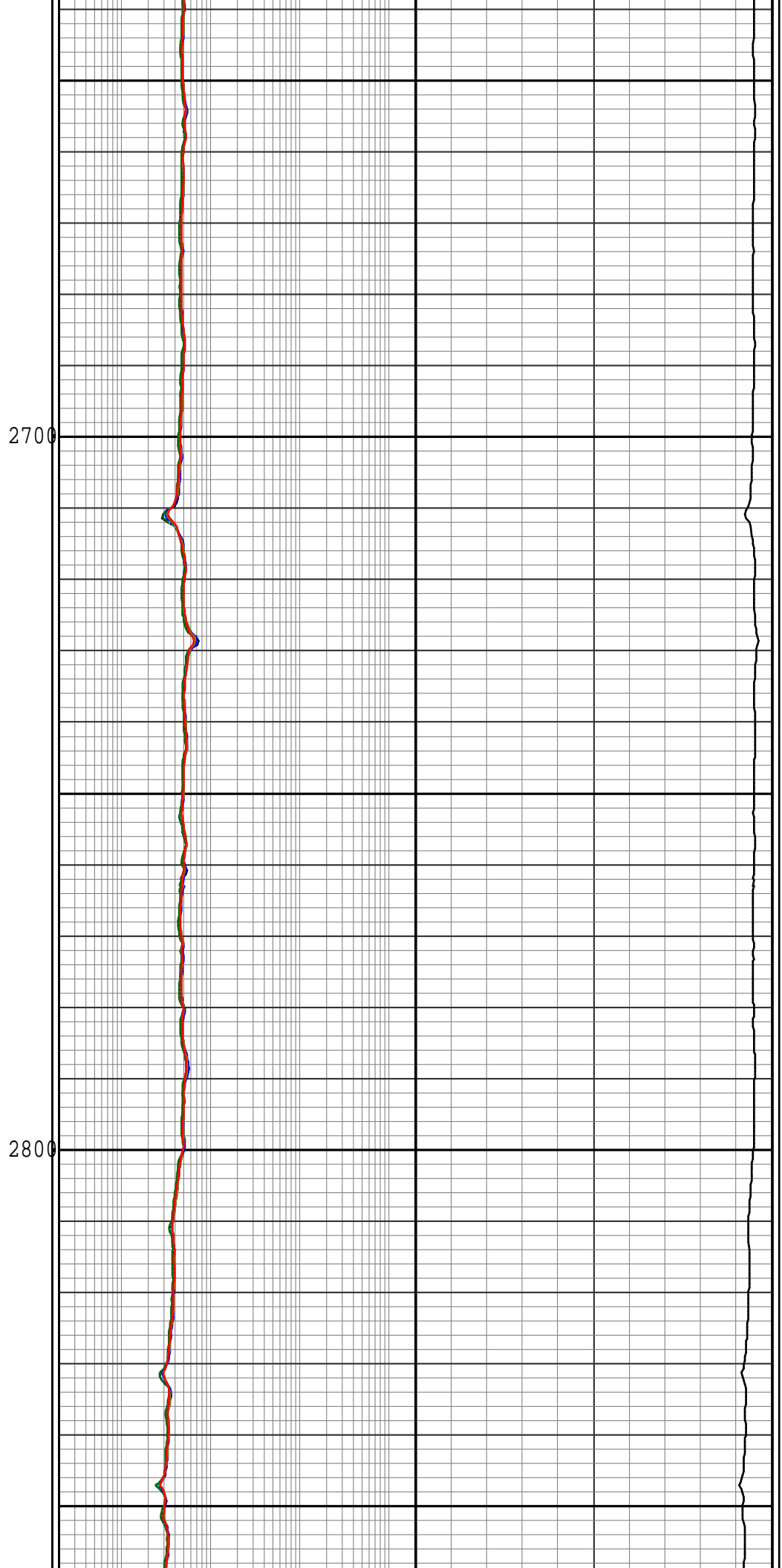
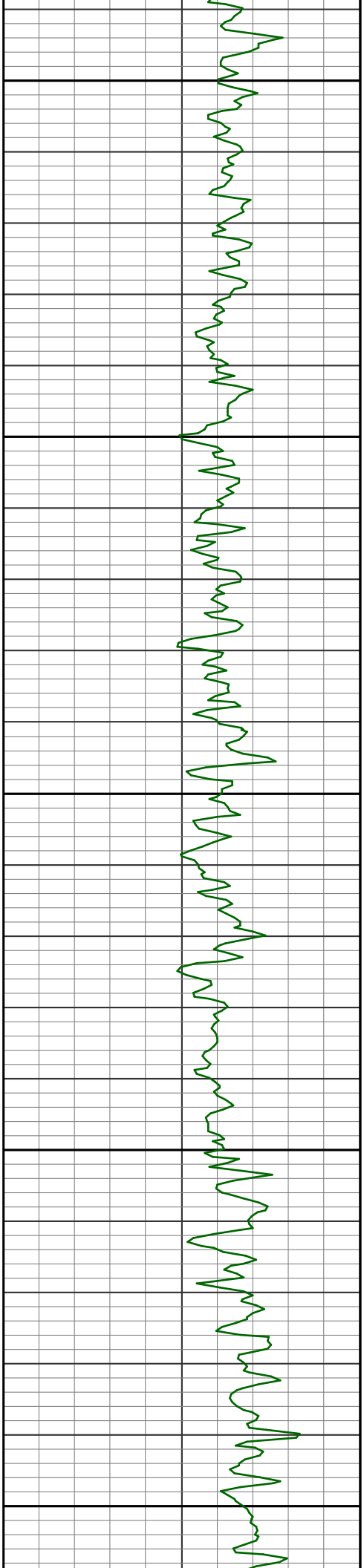
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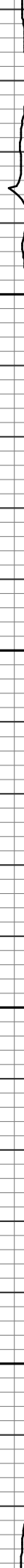
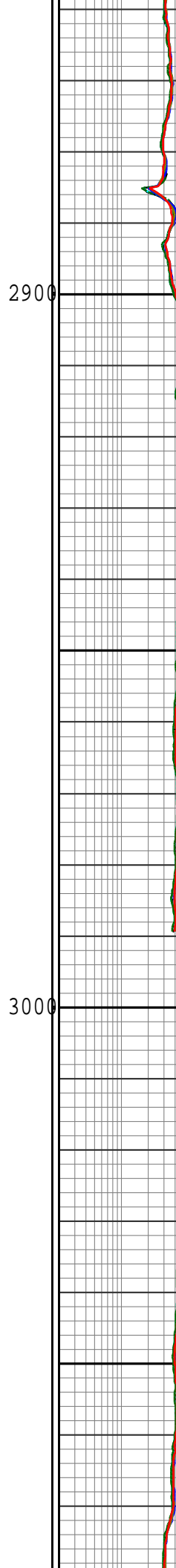
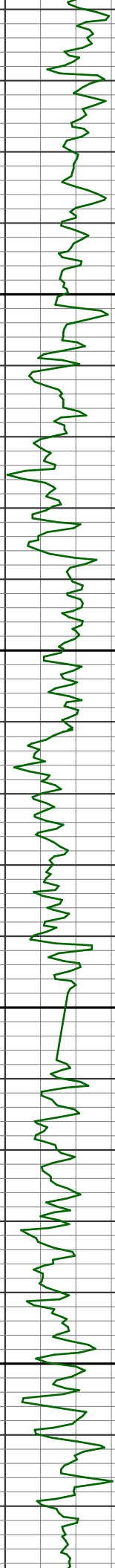








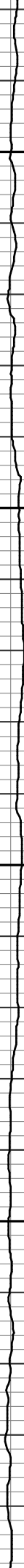
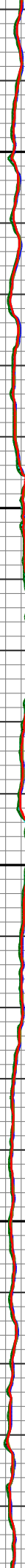


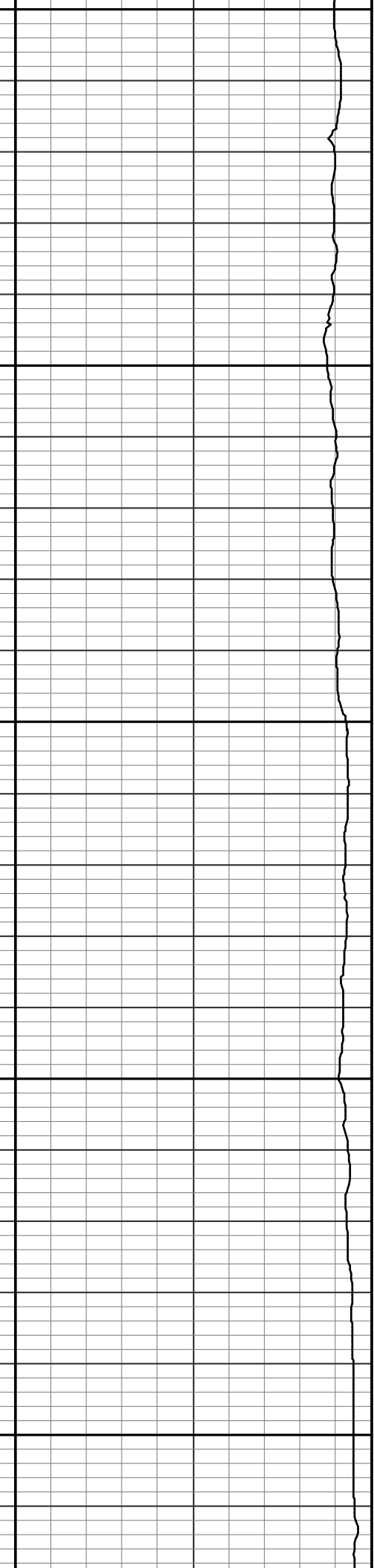
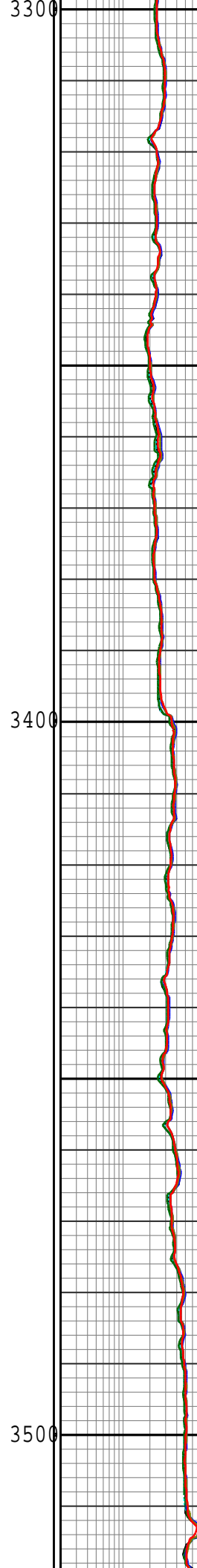
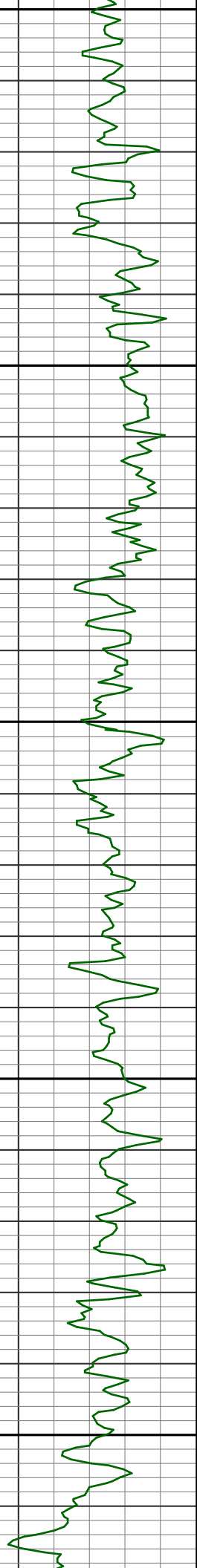


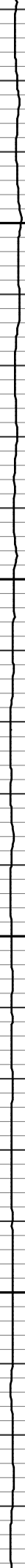
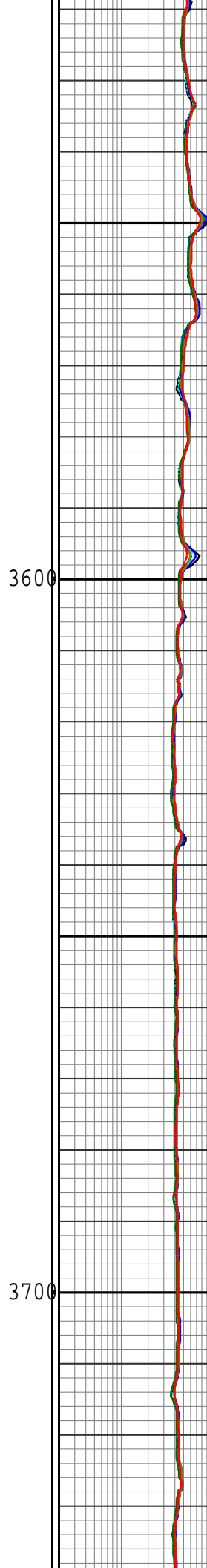
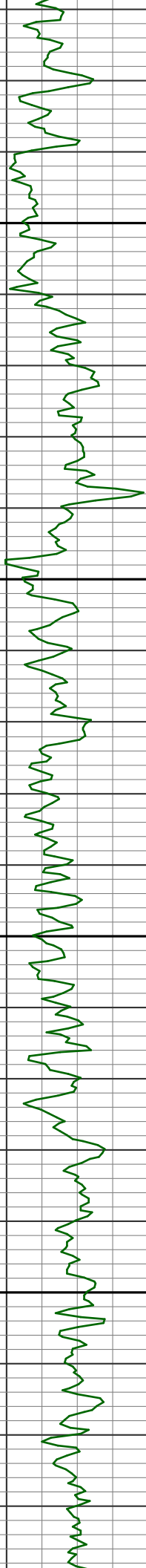


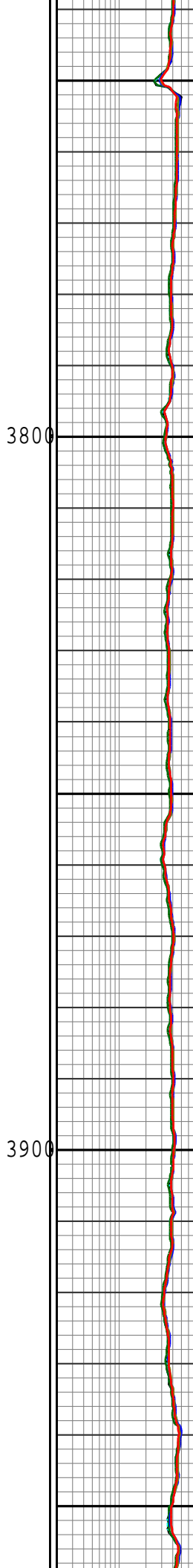
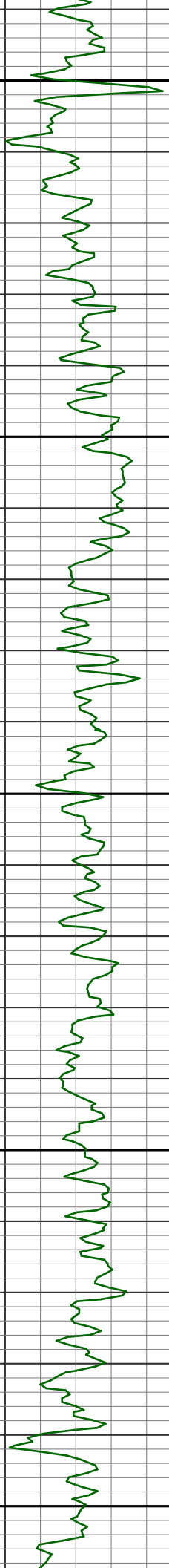
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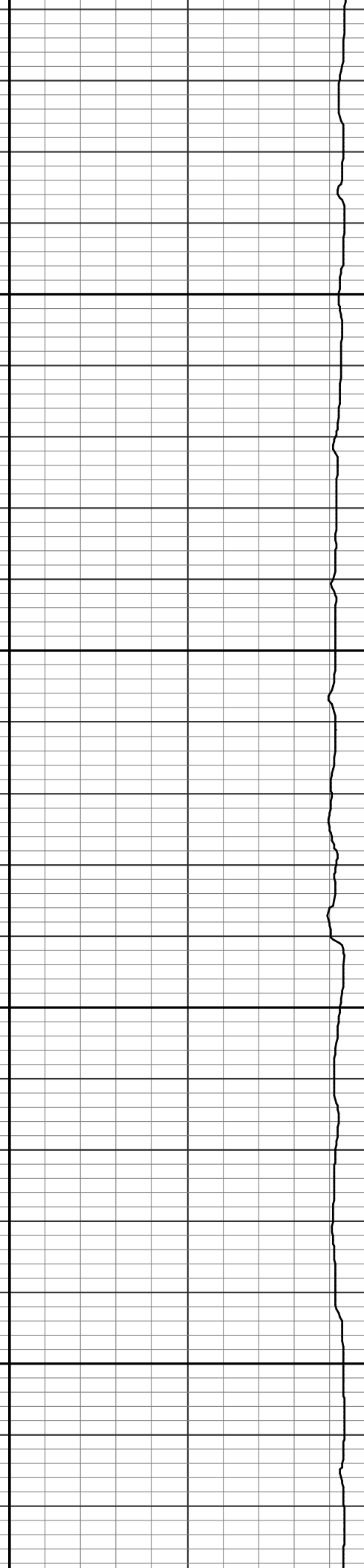
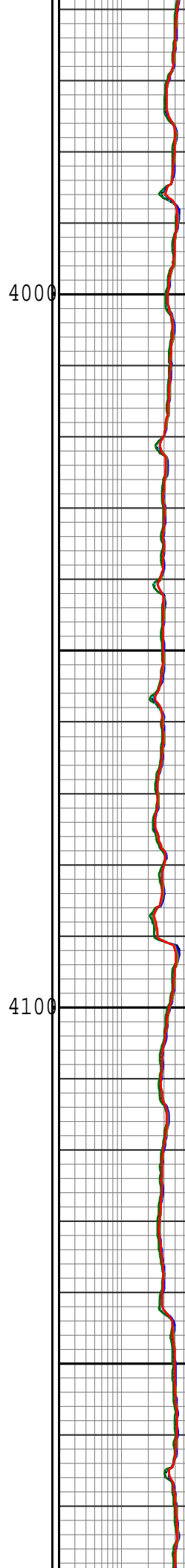
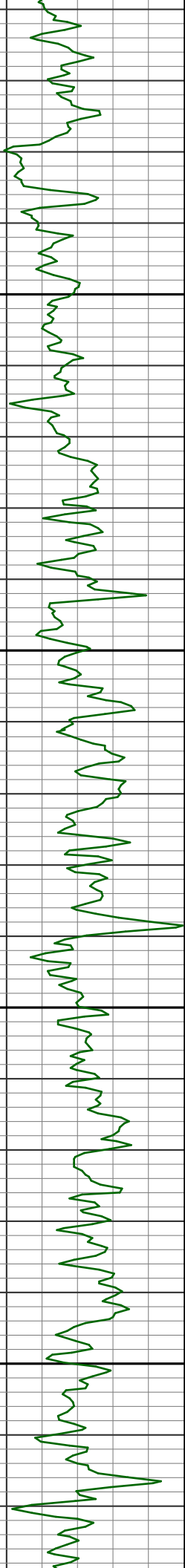
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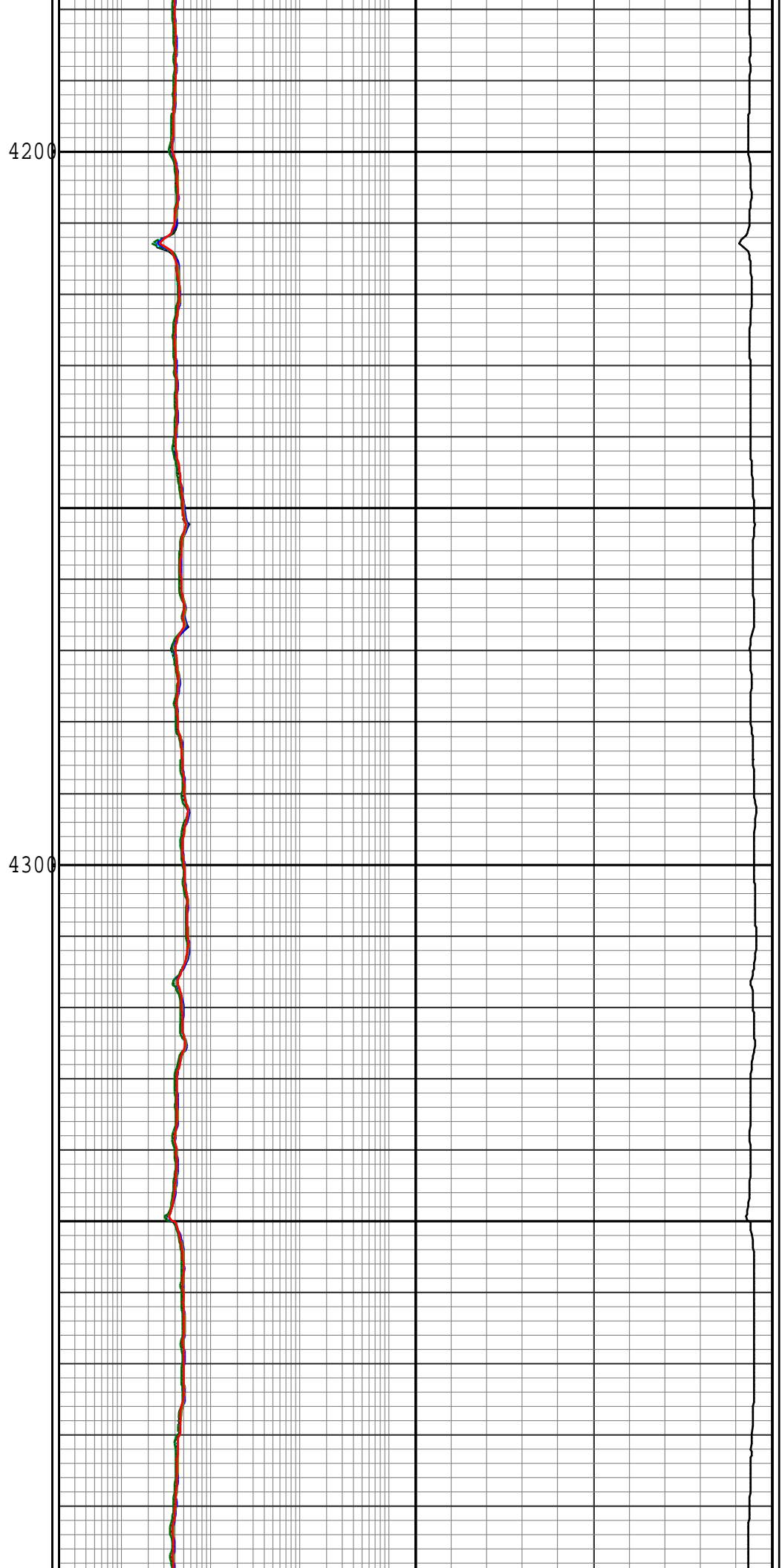
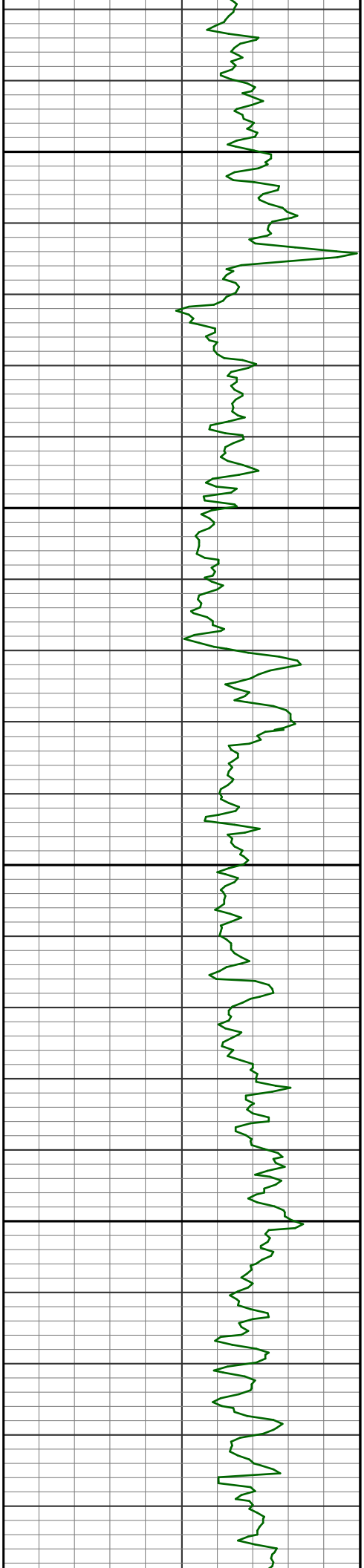


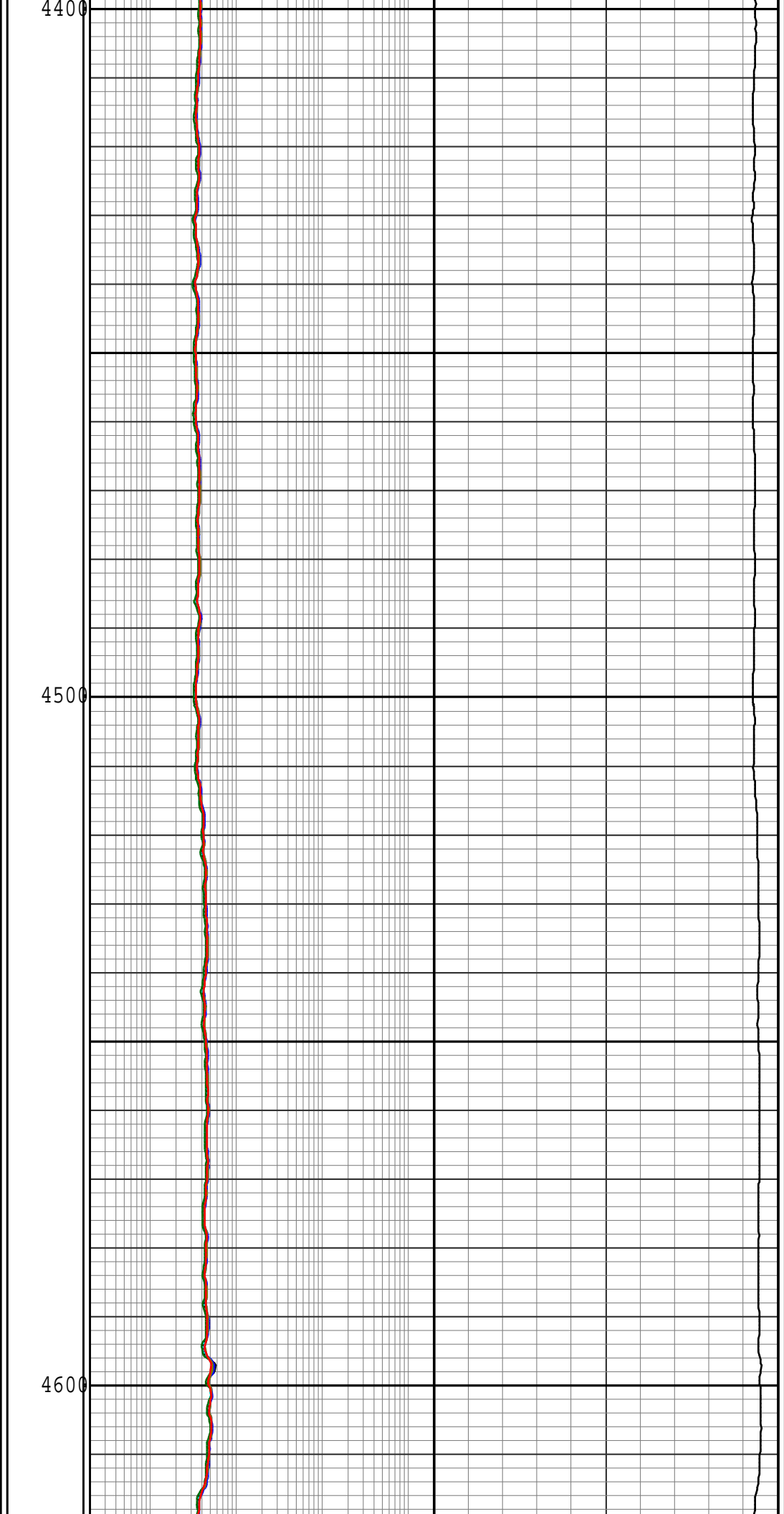
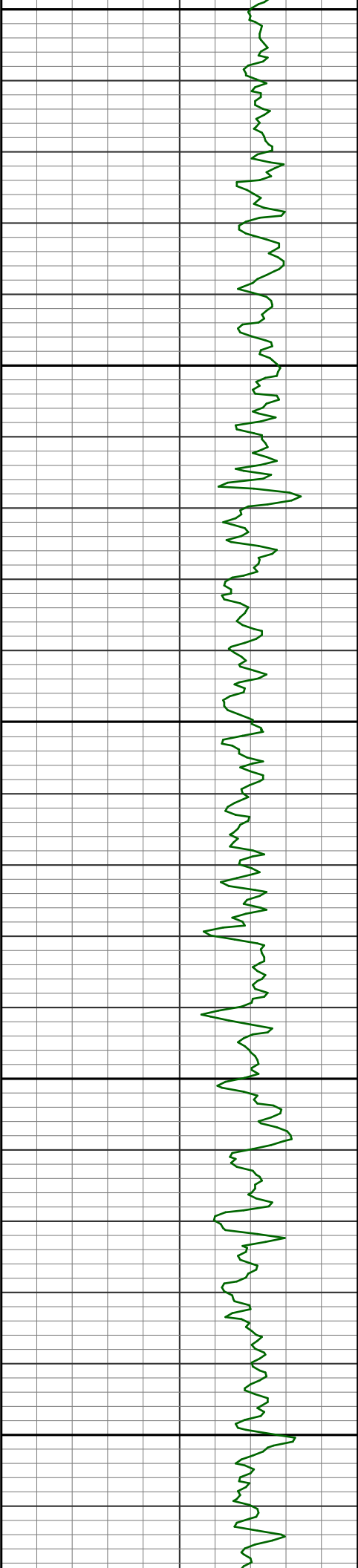


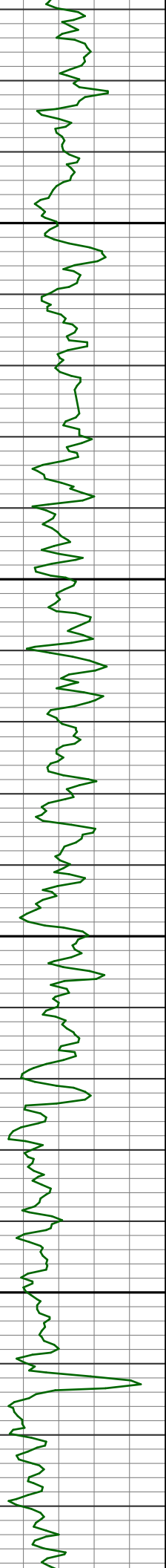






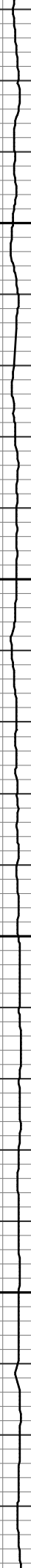
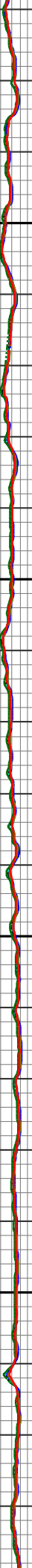


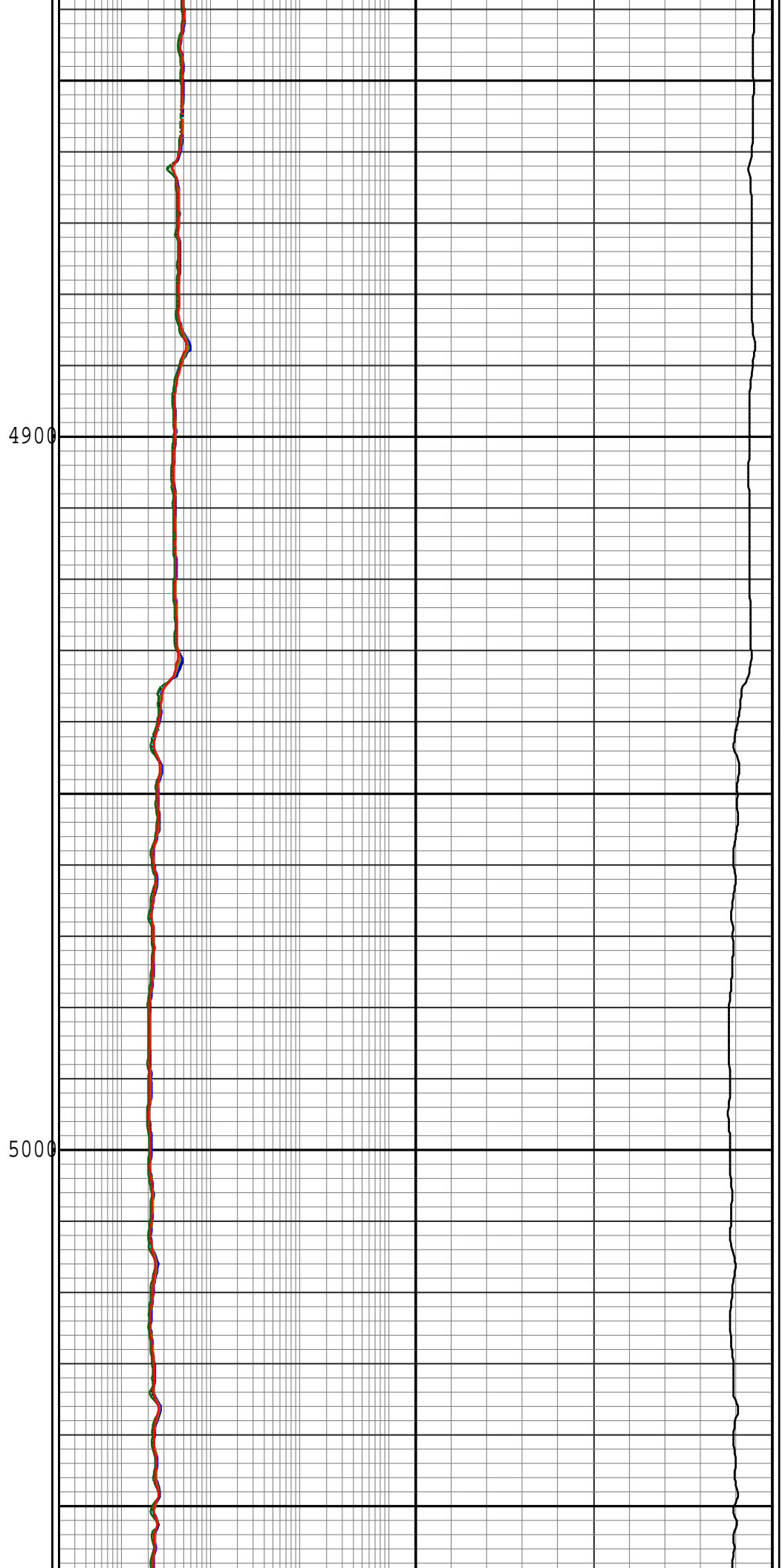
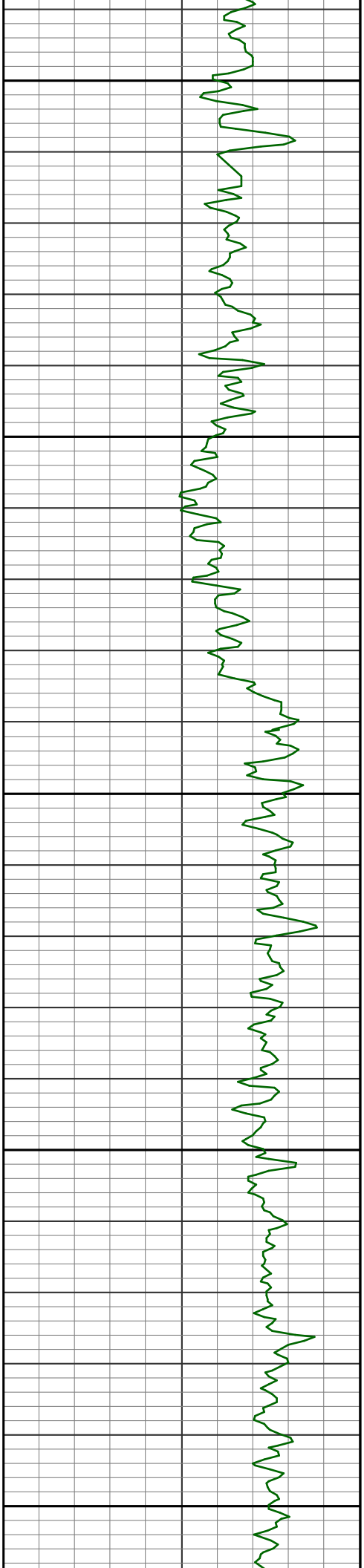


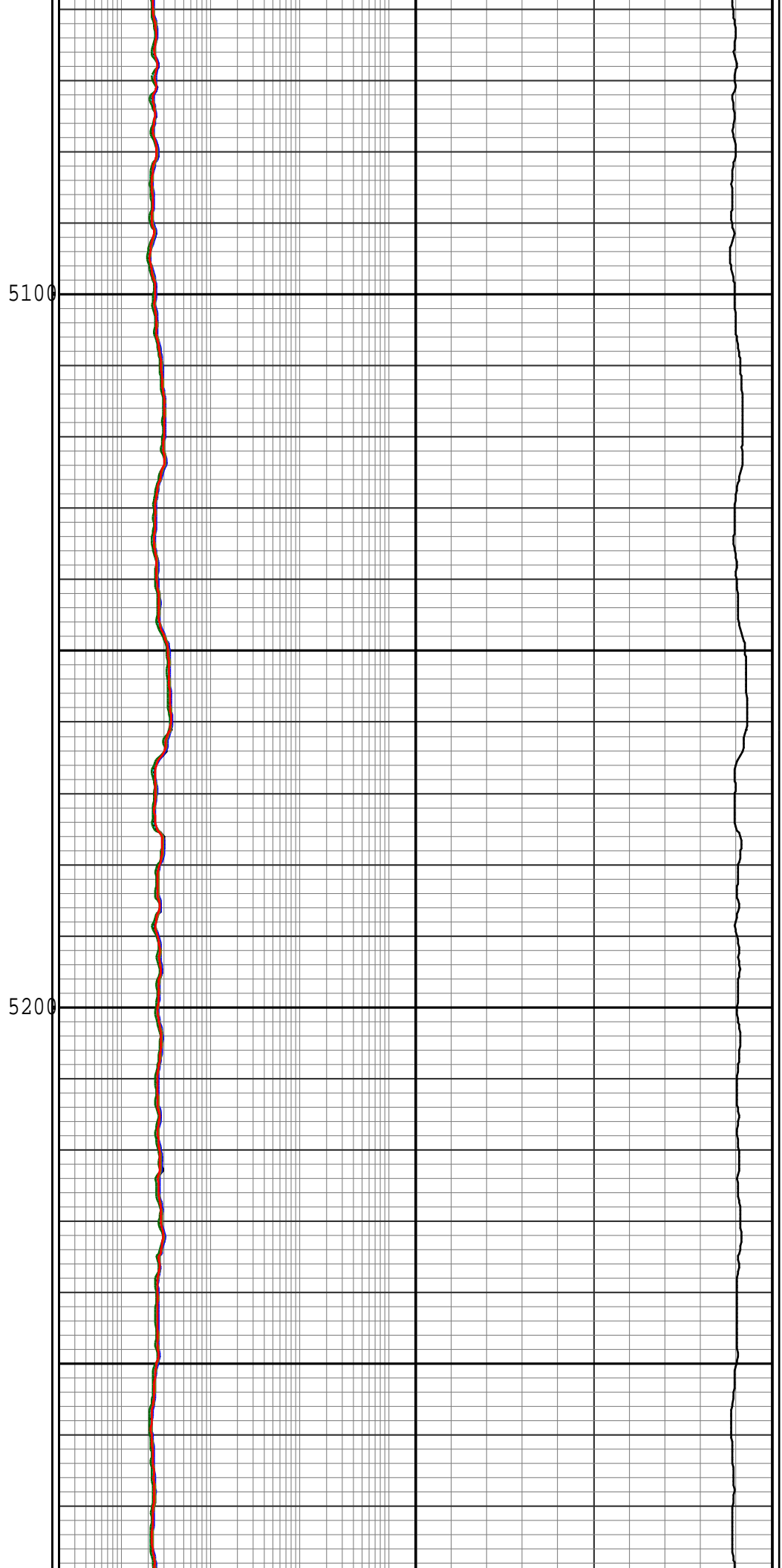
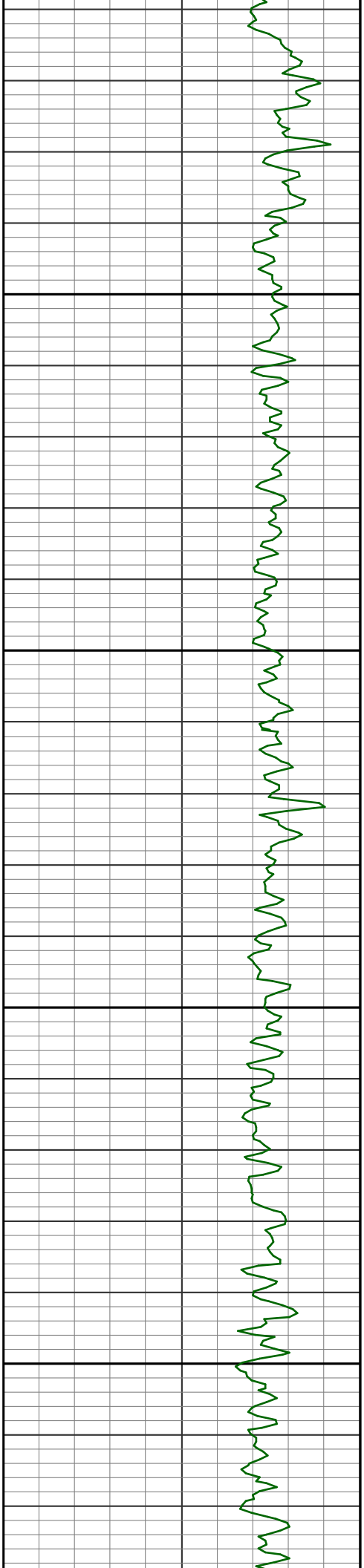


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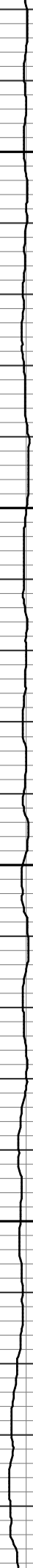
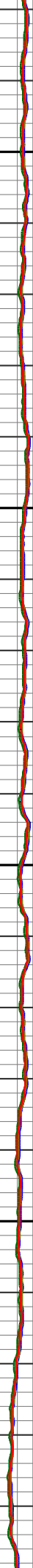


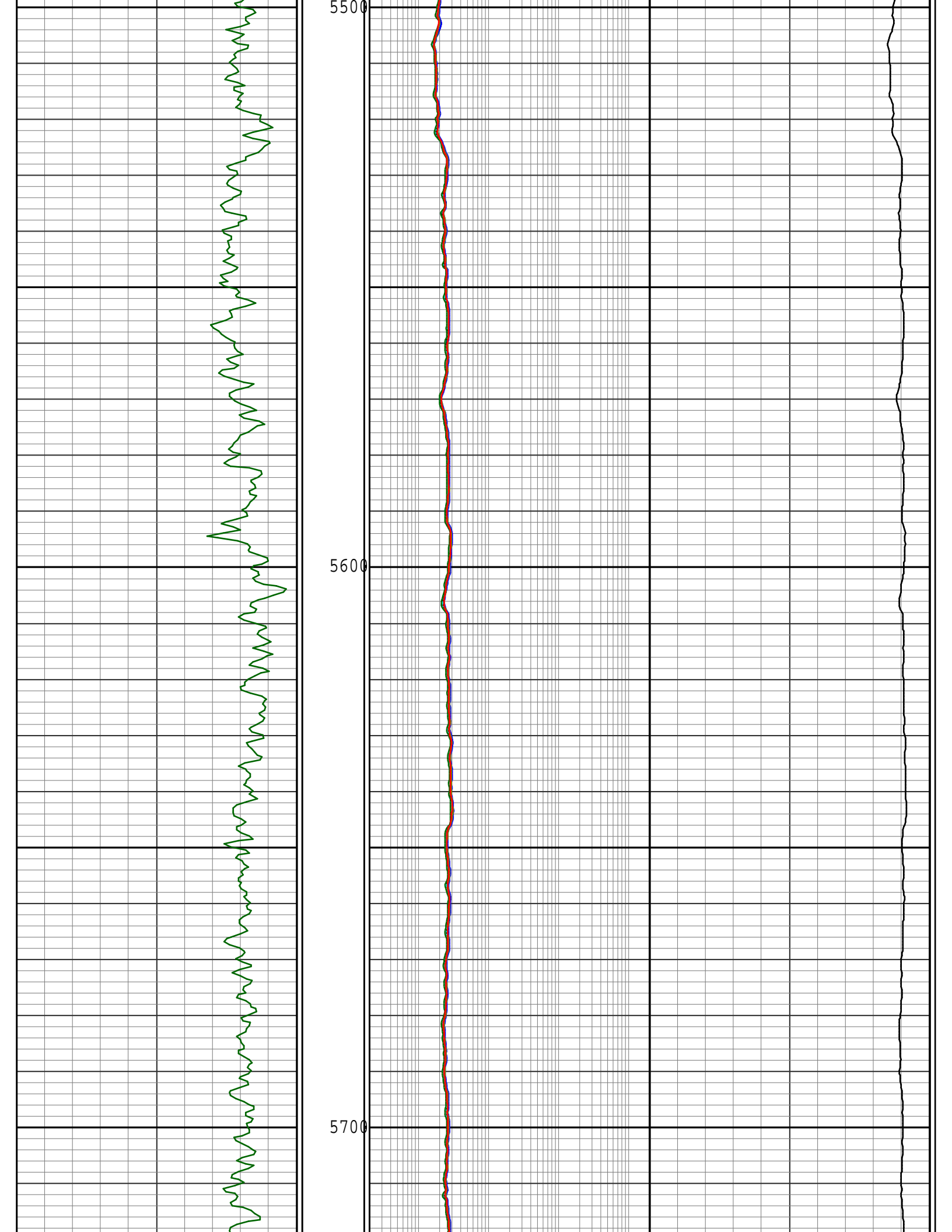


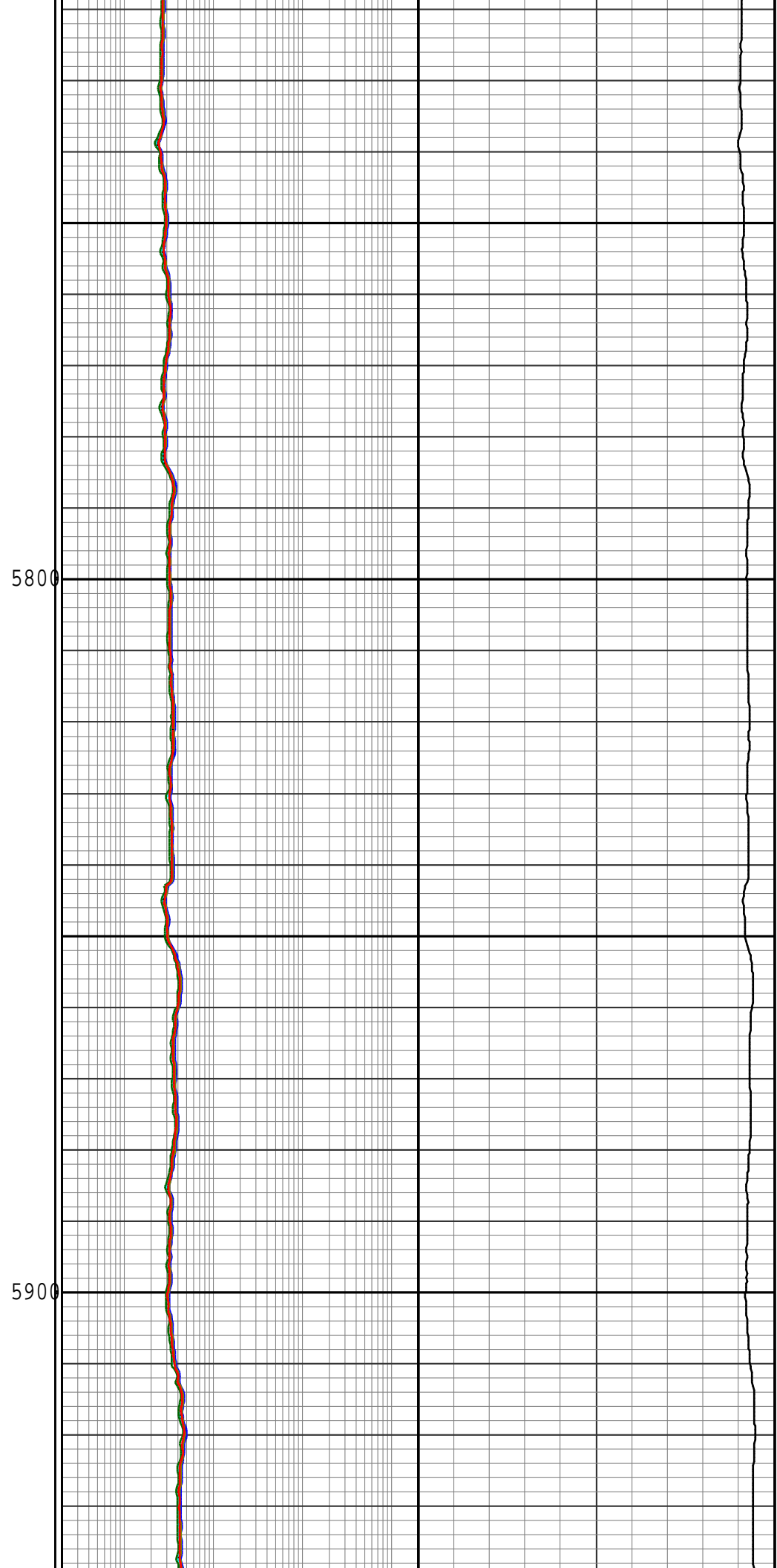
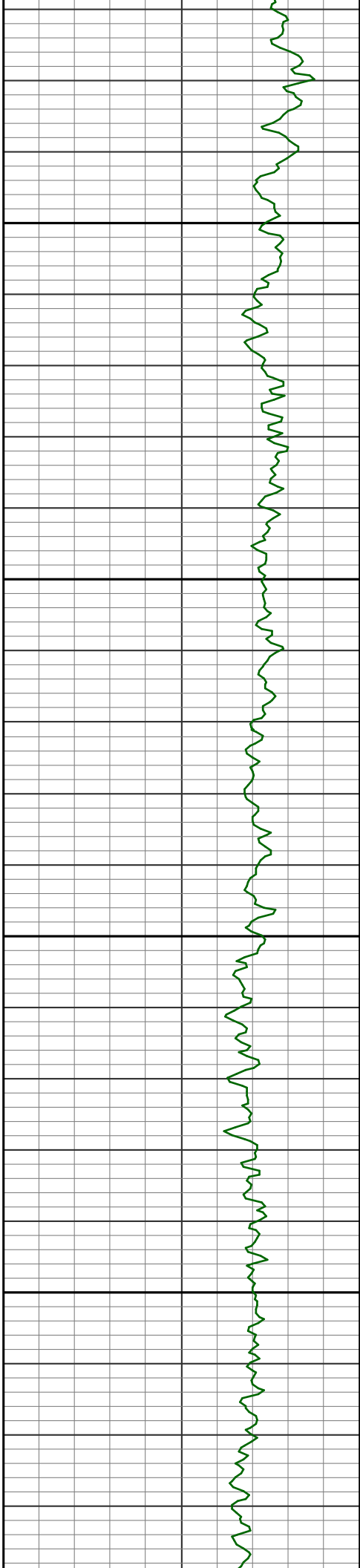


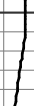
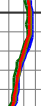
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5400









6000

6100

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1962.00	8.30	296.20	1953.63	1953.63	56.83	102.26 N	55.48 W	116.34	331.52	1.27
2058.00	9.50	294.40	2048.48	2048.48	70.34	108.59 N	68.91 W	128.61	327.60	1.28
2153.00	10.30	296.20	2142.06	2142.06	85.20	115.58 N	83.67 W	142.69	324.10	0.90
2248.00	9.50	293.40	2235.65	2235.65	100.10	122.44 N	98.49 W	157.14	321.19	0.98
2344.00	10.60	294.30	2330.17	2330.17	115.51	129.22 N	113.81 W	172.19	318.63	1.16
2439.00	11.80	295.90	2423.36	2423.36	132.31	137.06 N	130.51 W	189.26	316.40	1.30
2533.00	13.00	298.60	2515.17	2515.17	150.36	146.32 N	148.44 W	208.43	314.59	1.42
2627.00	14.90	303.40	2606.39	2606.39	169.89	158.04 N	167.81 W	230.51	313.28	2.36
2722.00	17.20	302.10	2697.69	2697.69	192.18	172.22 N	189.91 W	256.37	312.20	2.45
2817.00	17.30	300.20	2788.41	2788.41	216.48	186.79 N	214.02 W	284.07	311.11	0.60
2912.00	16.10	298.50	2879.40	2879.40	240.44	200.19 N	237.80 W	310.84	310.09	1.36
3006.00	18.20	298.60	2969.22	2969.22	264.96	213.43 N	262.15 W	338.05	309.15	2.23
3101.00	17.20	295.70	3059.72	3059.72	290.81	226.63 N	287.83 W	366.34	308.22	1.40
3196.00	17.00	294.00	3150.52	3150.52	316.31	238.37 N	313.17 W	393.57	307.28	0.57
3290.00	17.30	296.10	3240.35	3240.35	341.57	250.11 N	338.28 W	420.70	306.48	0.73
3385.00	17.40	296.40	3331.02	3331.02	367.14	262.64 N	363.69 W	448.60	305.83	0.14
3480.00	17.30	297.90	3421.70	3421.70	392.52	275.56 N	388.89 W	476.63	305.32	0.48
3575.00	19.50	298.80	3511.84	3511.84	419.08	289.81 N	415.28 W	506.40	304.91	2.33
3670.00	20.50	297.60	3601.11	3601.11	447.92	305.16 N	443.91 W	538.68	304.51	1.14
3764.00	18.50	298.30	3689.71	3689.71	475.84	319.85 N	471.63 W	569.86	304.14	2.14
3858.00	15.50	298.30	3779.60	3779.60	500.20	332.88 N	495.83 W	597.21	303.88	3.19
3953.00	13.60	298.10	3871.54	3871.54	521.38	344.16 N	516.86 W	620.96	303.66	2.00
4047.00	12.00	299.10	3963.21	3963.21	539.80	354.12 N	535.15 W	641.71	303.49	1.72
4142.00	9.80	298.00	4056.49	4056.49	555.68	362.72 N	550.92 W	659.60	303.36	2.33
4237.00	8.00	298.50	4150.34	4150.34	568.72	369.67 N	563.87 W	674.24	303.25	1.90
4331.00	6.10	297.30	4243.62	4243.62	578.98	375.08 N	574.06 W	685.73	303.16	2.03
4427.00	3.60	308.00	4339.27	4339.27	585.94	379.28 N	580.96 W	693.81	303.14	2.76
4522.00	1.10	300.10	4434.19	4434.19	589.11	381.57 N	584.10 W	697.69	303.16	2.65
4617.00	0.50	282.80	4529.18	4529.18	590.31	382.12 N	585.30 W	698.99	303.14	0.67
4712.00	0.30	236.10	4624.17	4624.17	590.92	382.08 N	585.91 W	699.48	303.11	0.39
4808.00	0.40	200.10	4720.17	4720.17	591.24	381.62 N	586.23 W	699.50	303.06	0.25
4903.00	0.60	222.70	4815.17	4815.17	591.68	380.94 N	586.68 W	699.51	303.00	0.29
4998.00	0.80	92.90	4910.17	4910.17	591.35	380.54 N	586.36 W	699.02	302.98	1.34
5094.00	1.10	88.00	5006.15	5006.15	589.76	380.54 N	584.77 W	697.69	303.05	0.32
5189.00	1.10	101.20	5101.14	5101.14	587.96	380.40 N	582.96 W	696.09	303.13	0.27
5285.00	1.40	111.10	5197.11	5197.11	585.95	379.80 N	580.96 W	694.09	303.17	0.38
5381.00	1.10	154.30	5293.09	5293.09	584.44	378.54 N	579.47 W	692.16	303.15	1.00
5476.00	1.20	144.50	5388.07	5388.07	583.45	376.91 N	578.50 W	690.45	303.09	0.23
5571.00	0.40	83.50	5483.06	5483.06	582.53	376.14 N	577.59 W	689.27	303.07	1.12
5667.00	0.60	106.50	5579.06	5579.06	581.71	376.03 N	576.77 W	688.53	303.10	0.29
5763.00	1.00	113.60	5675.05	5675.05	580.46	375.56 N	575.53 W	687.22	303.13	0.43
5858.00	1.10	82.60	5770.04	5770.04	578.79	375.34 N	573.86 W	685.71	303.19	0.60
5952.00	1.00	67.50	5864.02	5864.02	577.14	375.77 N	572.21 W	684.56	303.29	0.31
6046.00	10.90	277.30	5957.49	5957.49	585.25	377.22 N	580.29 W	692.13	303.03	12.53
6141.00	20.30	282.70	6048.90	6048.90	610.35	382.00 N	605.34 W	715.79	302.25	10.00
6237.00	26.80	279.20	6136.86	6136.86	648.09	389.12 N	642.99 W	751.57	301.18	6.92
6332.00	34.80	270.20	6218.44	6218.44	696.49	392.65 N	691.34 W	795.07	299.59	9.70
6427.00	45.70	269.10	6290.83	6290.83	757.77	392.21 N	752.63 W	848.69	297.52	11.50
6523.00	54.60	265.70	6352.30	6352.30	831.24	388.73 N	826.15 W	913.04	295.20	9.66
6618.00	58.50	263.60	6404.66	6404.66	910.03	381.31 N	905.05 W	982.09	292.85	4.50
6713.00	69.30	263.70	6446.39	6446.39	994.56	371.89 N	989.71 W	1057.28	290.59	11.37
6745.00	75.40	265.70	6456.09	6456.09	1024.87	369.08 N	1020.06 W	1084.78	289.89	19.97
6776.00	80.80	266.30	6462.48	6462.48	1055.08	366.97 N	1050.31 W	1112.57	289.26	17.52
6808.00	84.80	266.40	6466.49	6466.49	1086.73	364.95 N	1081.99 W	1141.88	288.64	12.50
6856.00	89.20	269.30	6469.00	6469.00	1134.59	363.15 N	1129.87 W	1186.80	287.82	10.97

GAMMA-RAY
RESISTIVITY
CONDUCTIVITY
5" = 100'
5" = 100'
FEET MD