



# Weatherford®

**4 3/4 in. WeatherfordLWD™**  
**Spectral Gamma Ray and Resistivity**  
**5 in. MEASURED DEPTH**  
**RECORDED DATA**  
**FINAL PRINT**

Company: Anadarko  
Well: Reigle 28C-4HZ  
Field: Wattenberg  
Rig: Xtreme 23  
County: Weld

COMPANY Anadarko  
WELL Reigle 28C-4HZ  
FIELD Wattenberg  
RIG Xtreme 23  
COUNTY Weld STATE Colorado  
API # 05-123-36140-0000

Location	
Latitude: 40.162192° N	X = 3,232,556.30 ft
Longitude: 104.66791° W	Y = 1,303,020.80 ft
Mag Decl: 8.66°	
Mag Dip: 66.81°	

Other Services: Directional and Temperature

Permanent Datum: Mean Sea Level

Log Measured From: Drill Floor Elev: 4874.0 ft above perm. datum

Depth Reference: Drillers Tally Total Depth: 11570 ft

Depth Logged: 6185 ft to 11570 ft Runs: 4

Date Logged: 6-Nov-12 to 13-Nov-12 Spud Date: 4-Nov-12

Elevation	
K.B. Top Drive	
G.L. 4858.0 ft	
D.F. 4874.0 ft	
W.D. Land	

Borehole Record			Casing Record			
Hole Size	From	To	Size	Weight	From	To
8.750 in.	891 ft	7538 ft	9.625 in.	53.5 lb/ft	Surface	856 ft
6.125 in.	7538 ft	11570 ft	7.000 in.	39.0 lb/ft	Surface	7490 ft

Borehole Deviation Record			Mud Record			
Hole Size	Min. Inc.	Max. Inc.	Type	Weight	From	To
8.750 in.	0.66°	83.90°	WBM	8.40-9.90 ppq	891 ft	7538 ft
6.125 in.	85.93°	92.12°	WBM	9.35-10.35 ppq	7538 ft	11570 ft

**All interpretations of log data are opinions based on inferences from electrical or other measurements. Weatherford International does not guarantee the accuracy or correctness of any interpretation or recommendation and we shall not be liable or responsible for any loss, cost, damages or expenses incurred or sustained by anyone resulting from any interpretation or recommendation made by any of our employees or agents.**

Run Summary							
M/LWD Run Number		1	2	3	4		
Bit Size	in.	8.750	8.750	6.125	6.125		
Bit Type		PDC	PDC	PDC	PDC		
Bit TFA	sq.in.	1.240	1.240	0.982	0.982		
Bit Start Depth	ft	891	6226	7538	10479		
Bit End Depth	ft	6226	7538	10479	11570		
Top Log Interval	ft	na	6185	7428	10404		
Bottom Log Interval	ft	na	7538	10479	11570		
Begin Log Time	hrs	na	22:29	12:28	7:15		
Begin Log Date	DD-MMM-YY	na	6-Nov-12	10-Nov-12	13-Nov-12		
End Log Time	hrs	na	9:42	9:25	22:35		
End Log Date	DD-MMM-YY	na	8-Nov-12	12-Nov-12	13-Nov-12		
Drill or Wipe		Drill	Drill	Drill	Drill		
Flow Rate	gal/min	496	588	269	260		
Max AV / CV @ MWD	ft/min	392 / 303	465 / 369	441 / 420	426 / 422		
Min Inc @ Depth	deg @ ft	0.66 @ 907	0.73 @ 6565	85.93 @ 9566	89.69 @ 11356		
Max Inc @ Depth	deg @ ft	8.78 @ 3855	83.90 @ 7478	92.12 @ 9908	91.79 @ 10931		
Mud Data							
Depth	ft	891	6226	7538	10479		
Fluid Type		Water	WBM	WBM	WBM		
Mud Weight	ppg	8.40	9.30	9.90	10.15		
Plastic Viscosity	cP	1	8	12	14		
Solids / Sand	%	1.2 / 0.0	4.7 / 0.25	7.2 / 0.50	8.7 / 0.30		
Total Chlorides	ppm	900	850	1200	1500		
pH		8.0	9.3	10.0	8.0		
Oil:Water Ratio	% Vol	0:100	0:100	2.2:97.8	2.2:97.8		
Rm @ Temperature	ohm-m @ deg F	N/A	N/A	1.50 @ 75	1.50 @ 75		
Rmc @ Temperature	ohm-m @ deg F	N/A	N/A	1.60 @ 75	1.60 @ 75		
Rmf @ Temperature	ohm-m @ deg F	N/A	N/A	1.10 @ 75	1.10 @ 75		
KCl	% Vol	0	0	0	0		
Client Representative		D. Bell	D. Bell	D. Bell	D. Bell		
WeatherfordM/LWD Engineer		D. Palmer	D. Palmer	E. Dearman	E. Dearman		

EQUIPMENT SUMMARY					
M/LWD Run Number	1	2	3	4	
MWD Build Number	CP20707PDYBR-T01	CP20707PDYBR-T01	N/A	N/A	
HEL Serial Number	N/A	N/A	NW22470PDBB4.75	NW22470PDBB4.75	
MFR Serial Number	N/A	N/A	NW22471RBBK4.75	NW22471RBBK4.75	
IDS Serial Number	N/A	N/A	NW22472BI4.75	NW22472BI4.75	
SAGR Serial Number	N/A	N/A	NW22473JB4.75	NW22473JB4.75	
CMS	1230	1230	N/A	N/A	
UGR/GR-4	40799	40799	N/A	N/A	
BTR/CDS	849 / 983	849 / 983	N/A	N/A	
Sensor to Bit Offsets / Acquisition Rates					
Directional	ft / sec	57.11 / RT	57.11 / RT	53.43 / RT	53.43 / RT
Gamma Ray	ft / sec	42.90 / 10	42.90 / 10	38.68 / 5	38.68 / 5
Resistivity	ft / sec	N/A	N/A	74.68 / 5	74.68 / 5
Other Information					
Total BHA Length	ft	97.81	97.81	102.43	102.43
BHA Assembly Type		Steerable	Steerable	Steerable	Steerable
Stabilizer Location	ft	N/A	N/A	33.88	33.88
Stabilizer Location	ft	N/A	N/A	N/A	N/A
Run Circulating Time	hr	30.23	38.17	42.68	26.04
Run Drilling Time	hr	19.27	20.71	21.24	9.32

## MUD SUMMARY

Date and Time	Run	Bit Depth	Mud Weight	% K	Rm @ Temp	Rmf @ Temp	Rmc @ Temp	BHCT
5 Nov 12 @ 01:16	01	896 ft	8.40 ppg	0	N/A	N/A	N/A	86 F
6 Nov 12 @ 22:29	02	6226 ft	9.30 ppg	0	N/A	N/A	N/A	168 F
10 Nov 12 @ 12:28	03	7538 ft	9.90 ppg	0	1.50 @ 75	1.10 @ 75	1.60 @ 75	196 F
13 Nov 12 @ 07:15	04	10479 ft	10.15 ppg	0	1.50 @ 75	1.10 @ 75	1.60 @ 75	197 F

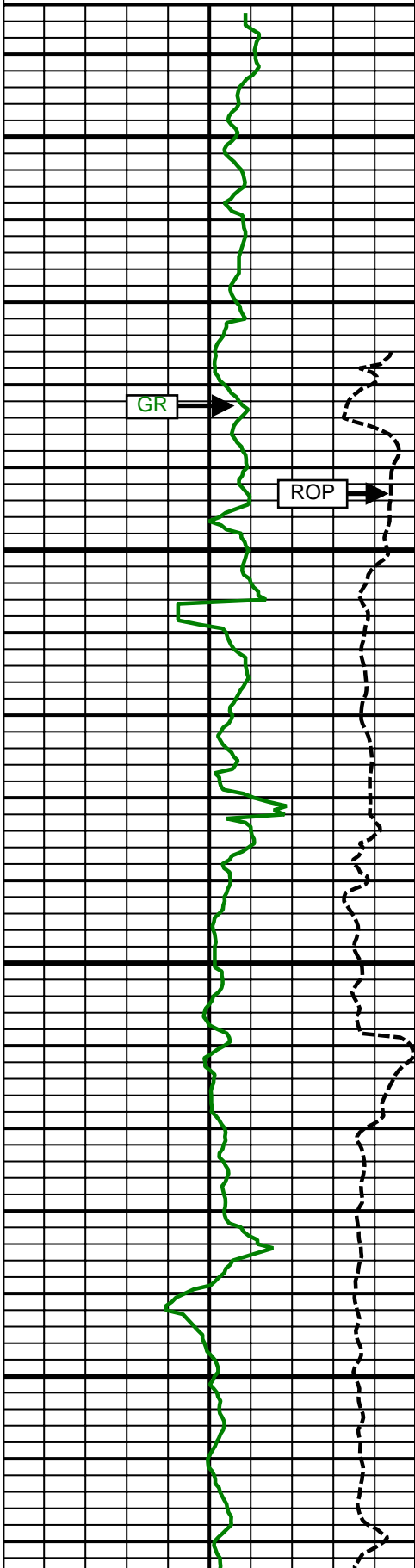
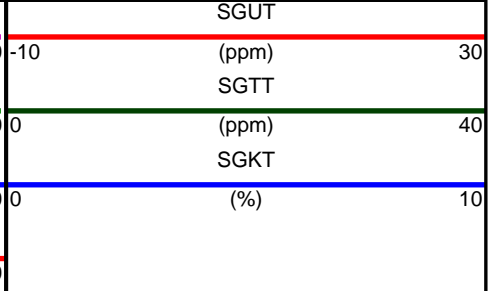
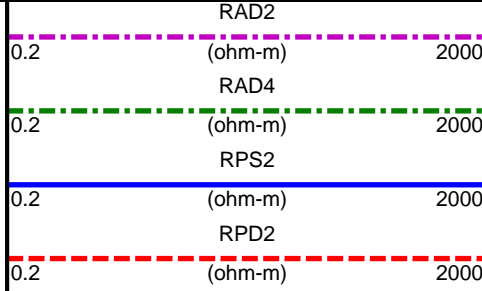
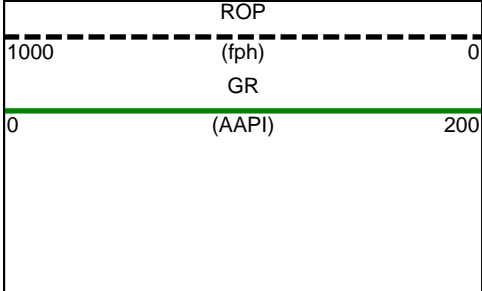
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<b>Run Number: 1 :: REALTIME DATA LOG</b>		
<b>WFT Services Provided:</b>		
Recorded and Real Time Logging: No logging during Run 01.		
Directional Services: On demand Inclination and Azimuth.		
<b>Borehole and Environmental Correction:</b>		
Collar O.D.:	na	<b>Gamma Ray:</b> Collar O.D., collar I.D. and K1 factor.
Collar I.D.:	na	
K1 Factor:	na	
<b>Run Number: 2 :: REALTIME DATA LOG</b>		
<b>WFT Services Provided:</b>		
Recorded and Real Time Logging: Gamma Ray and Temperature.		
Directional Services: On demand Inclination and Azimuth.		
<b>Borehole and Environmental Correction:</b>		
Collar O.D.:	6.750 in.	<b>Gamma Ray:</b> Collar O.D., collar I.D. and K1 factor.
Collar I.D.:	3.125 in.	
K1 Factor:	3.164	
<b>Run Number: 3 :: RECORDED DATA LOG</b>		
<b>WFT Services Provided:</b>		
Recorded and Real Time Logging: Gamma Ray, Deep, Medium and Shallow Resistivity, and Temperature.		
Directional Services: On demand Inclination and Azimuth.		
<b>Borehole and Environmental Correction:</b>		
Hole Size:	6.125 in.	<b>Gamma Ray:</b> Corrected for mud weight, hole size and KCl concentration.
Mud Weight:	9.90 ppg	<b>Resistivities:</b> Corrected for borehole temperature, hole size, drilling fluid resistivity
Borehole Temperature:	203° F	and dielectric correction.
Drilling Fluid Resistivity:	0.585 ohm-m	
KCl Concentration:	0%	
<b>Run Number: 4 :: RECORDED DATA LOG</b>		
<b>WFT Services Provided:</b>		
Recorded and Real Time Logging: Gamma Ray, Deep, Medium and Shallow Resistivity, and Temperature.		
Directional Services: On demand Inclination and Azimuth.		
<b>Borehole and Environmental Correction:</b>		
Hole Size:	6.125 in.	<b>Gamma Ray:</b> Corrected for mud weight, hole size and KCl concentration.
Mud Weight:	9.90 ppg	<b>Resistivities:</b> Corrected for borehole temperature, hole size, drilling fluid resistivity
Borehole Temperature:	213° F	and dielectric correction.
Drilling Fluid Resistivity:	0.558 ohm-m	
KCl Concentration:	0%	

M/LWD LOG COMMENTS	
Comment No. 1-1	No logging occurred during this run.
Comment No. 2-1	REALTIME DATA LOG Start of MWD Drilling Run 02 Weatherford International provided 6 3/4 in. Directional, Gamma Ray and Temperature for Run 02. Run 02 started formation drilling November 06, 2012 at 22:29 at 6226 MD / 6192 TVD. Weatherford International logged the 8.750 in. borehole. The WBM at the start of drilling was 9.30 ppg.
Comment No. 2-2	End of MWD Drilling Run 02 Run 02 ended drilling formation November 08, 2012 at 09:42 at 7538 MD / 7182 TVD. The WBM at the end of drilling was 9.90 ppg.
Comment No. 3-1	RECORDED DATA LOG Start of LWD Drilling Run 03 Weatherford International provided 4 3/4 in. Directional, Spectral Gamma Ray, Shallow and Deep Resistivity, Conductivity, and Temperature for Run 03. Run 03 started formation drilling November 10, 2012 at 12:28 at 7538 MD / 7182 TVD. Weatherford International logged the 6.125 in. borehole. The WBM at the start of drilling was 9.90 ppg.
Comment No. 3-2	End of LWD Drilling Run 03 Run 03 ended drilling formation November 12, 2012 at 09:25 at 10479 MD / 7194 TVD. The WBM at the end of drilling was 10.00 ppg.
Comment No. 4-1	RECORDED DATA LOG Start of LWD Drilling Run 04 Weatherford International provided 4 3/4 in. Directional, Spectral Gamma Ray, Shallow and Deep Resistivity, Conductivity, and Temperature for Run 04. Run 04 started formation drilling November 13, 2012 at 07:15 at 10479 MD / 7194 TVD. Weatherford International logged the 6.125 in. borehole. The WBM at the start of drilling was 10.10 ppg.
Comment No. 4-2	End of LWD Drilling Run 04 Run 04 ended drilling formation November 13, 2012 at 22:35 at 11570 MD / 7182 TVD. The WBM at the end of drilling was 10.35 ppg.

CURVE SPECIFICATIONS				
CURVE TYPE	MNEMONIC	UNITS	COMMENTS	CORRECTIONS
Rate of Penetration	ROP	fph	Rate of Penetration 3.0 ft window 0.5 ft Exponential Smoothing	None
Gamma Ray	GR	AAPI	Gamma Ray 3.0 ft window 0.5 ft Exponential Smoothing	See M/LWD Run Remarks
Deep Phase Resistivity	RPD2	ohm-m	2 MHz Deep Phase Resistivity 3.0 ft window 0.5 ft Exponential Smoothing	
Deep Attenuation Resistivity	RAD2	ohm-m	2 MHz Deep Attenuation Resistivity 3.0 ft window 0.5 ft Exponential Smoothing	
Deep Attenuation Resistivity	RAD4	ohm-m	400 kHz Deep Attenuation Resistivity 3.0 ft window 0.5 ft Exponential Smoothing	
Shallow Phase Resistivity	RPS2	ohm-m	2 MHz Shallow Phase Resistivity 3.0 ft window 0.5 ft Exponential Smoothing	
Potassium Total	SGKT	%	Potassium Concentration 3.0 ft window 0.5 ft Two Stage Smoothing	
Thorium Total	SGTT	ppm	Thorium Concentration 3.0 ft window 0.5 ft Two Stage Smoothing	
Uranium Total	SGUT	ppm	Uranium Concentration 3.0 ft window 0.5 ft Two Stage Smoothing	



**5 Inch - Measured Depth**

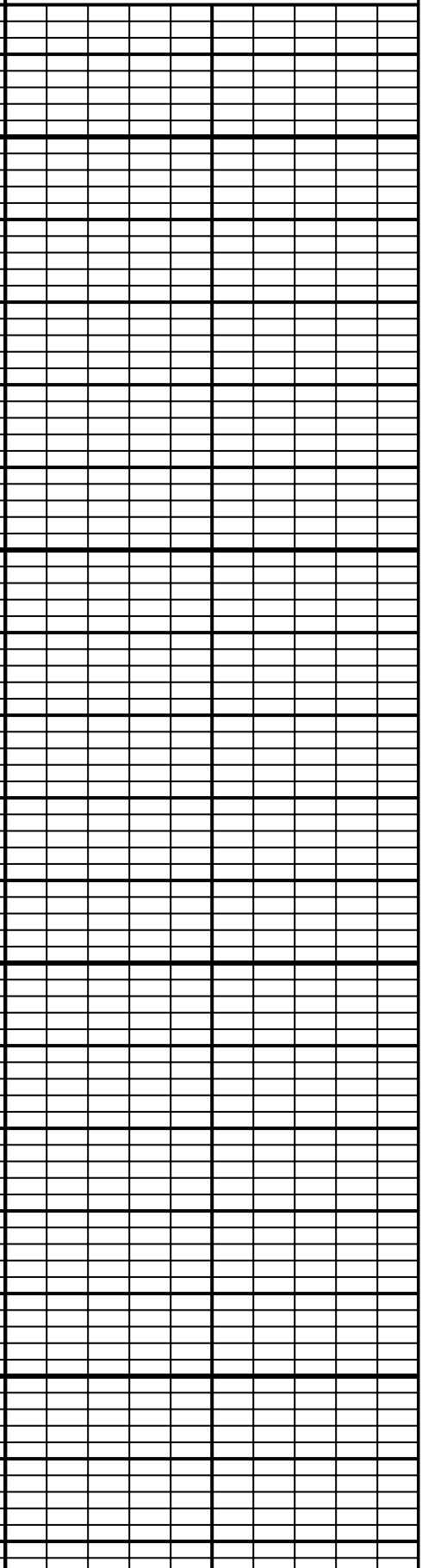
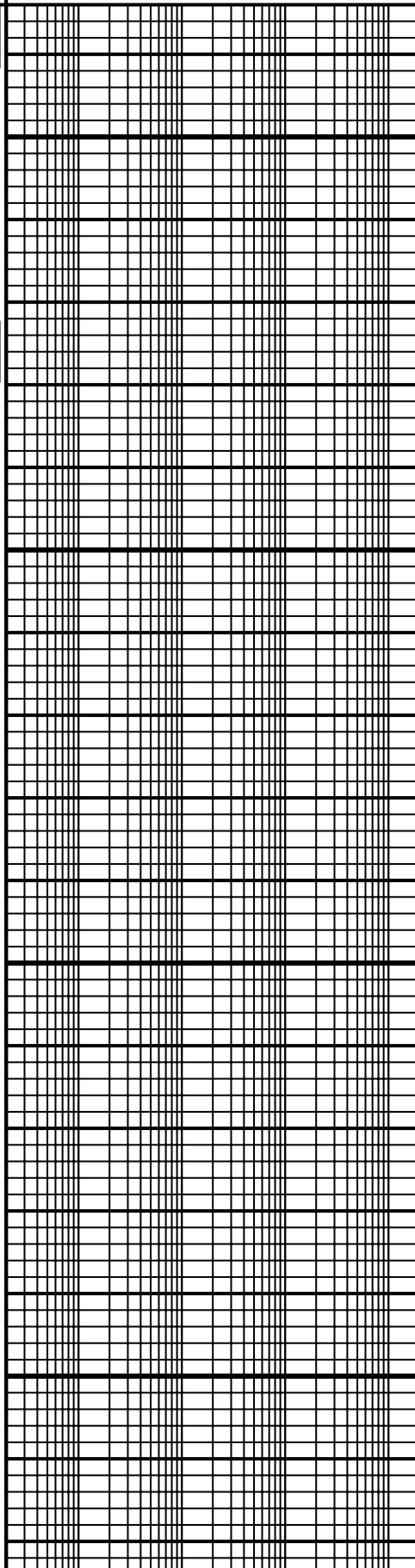


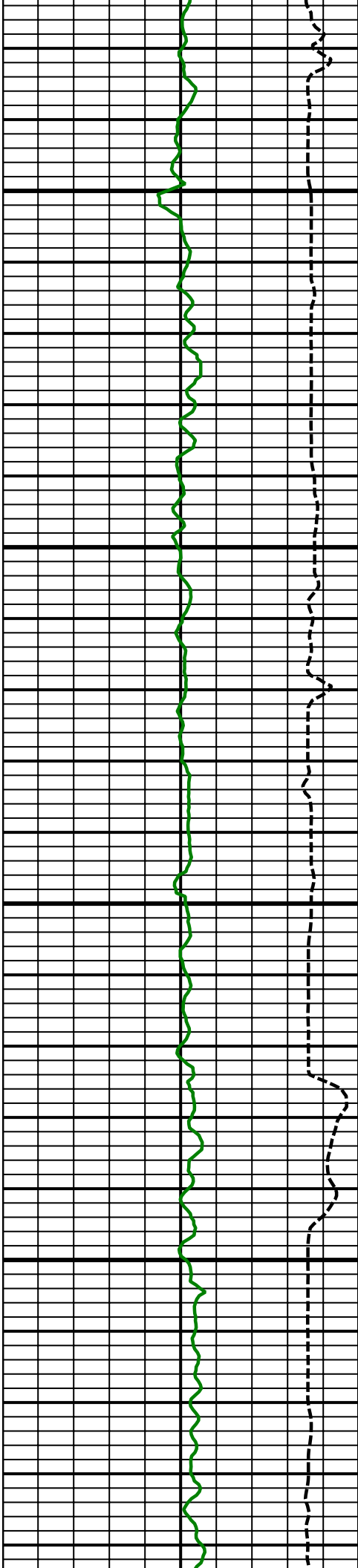
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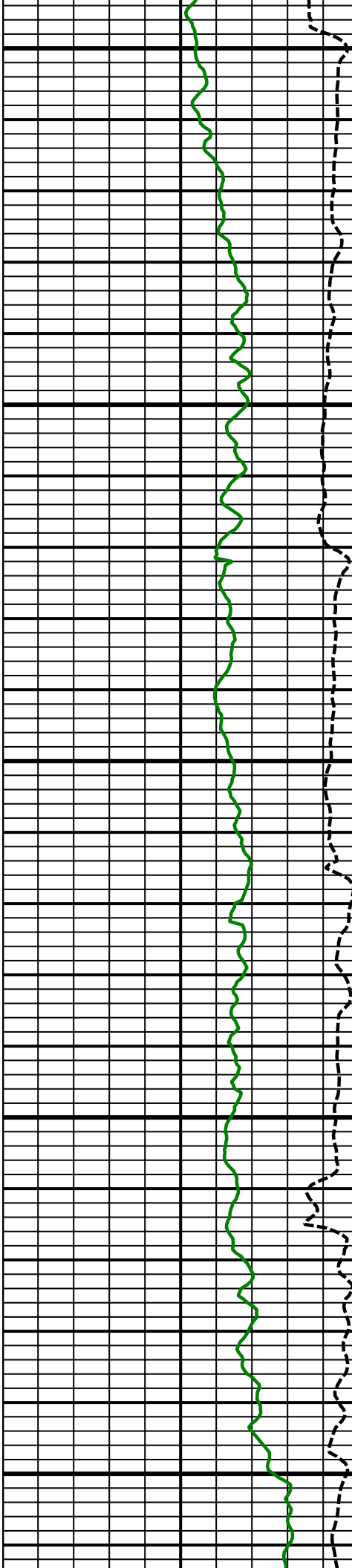
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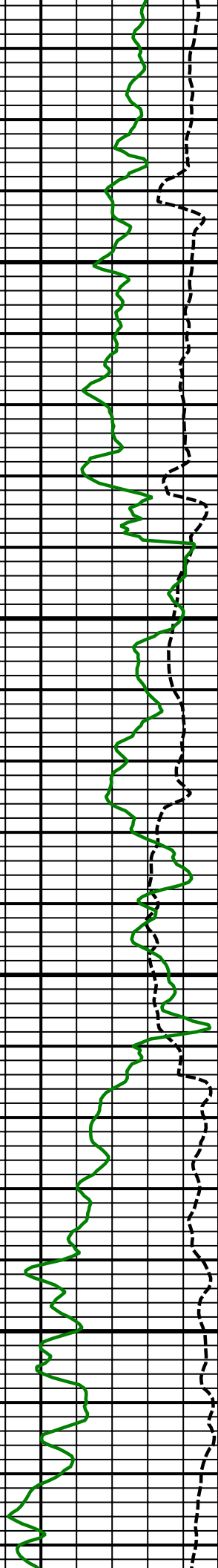
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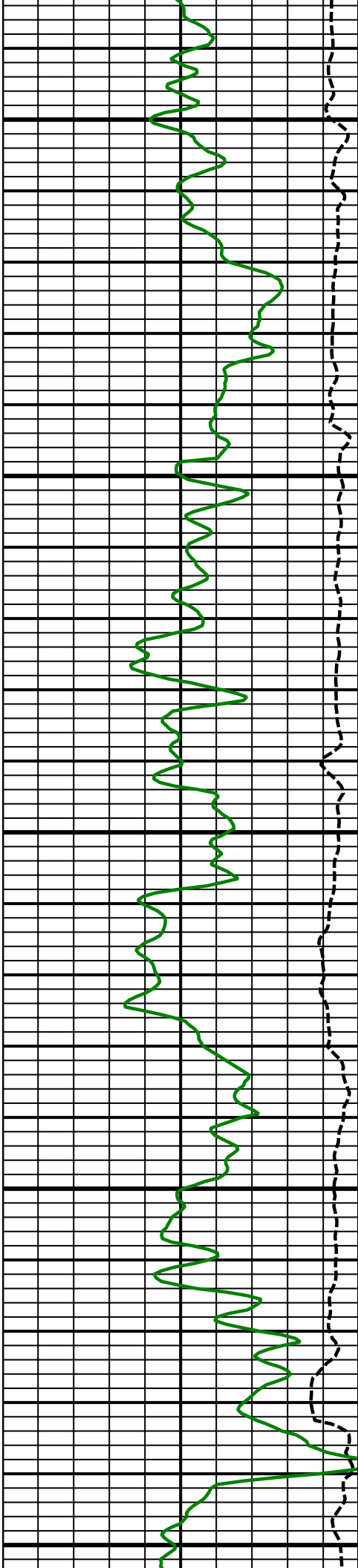
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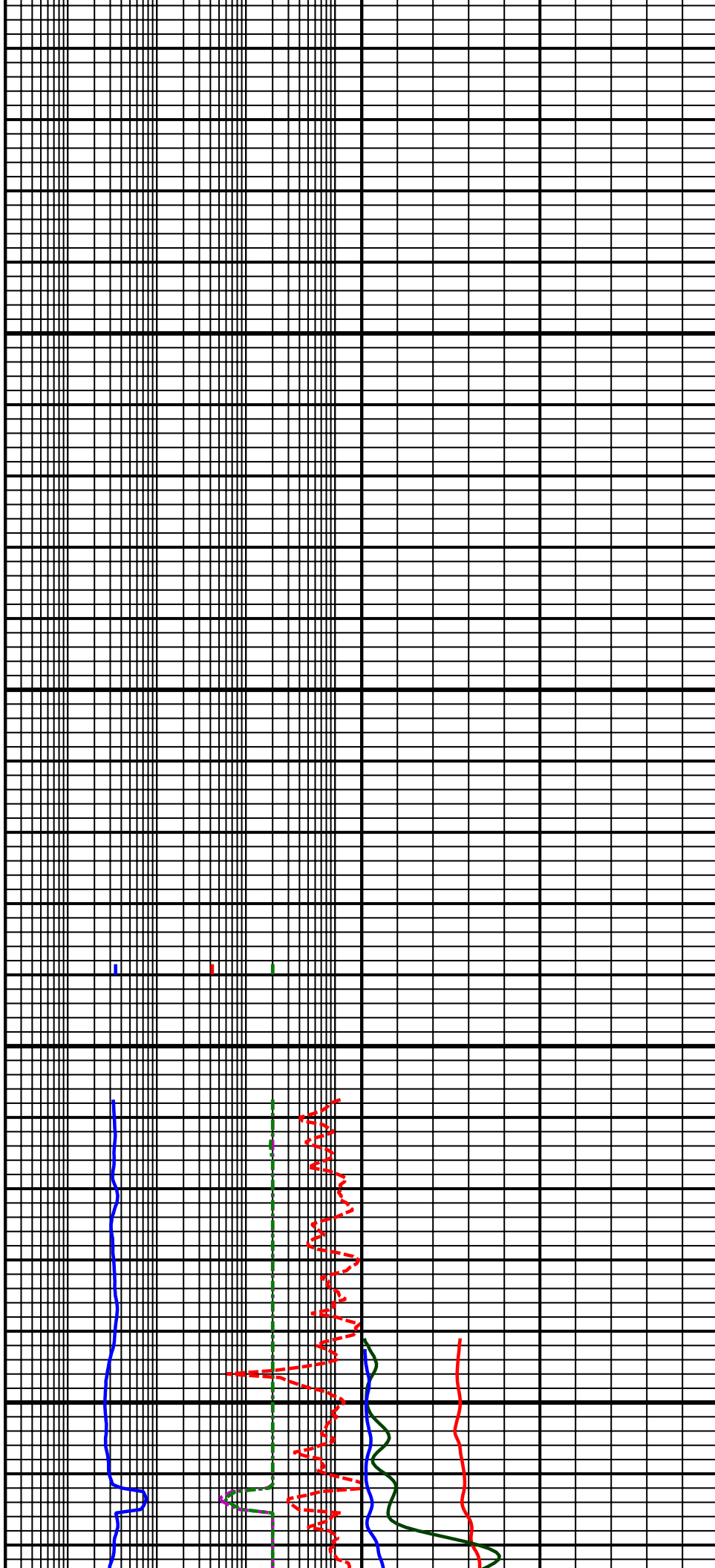
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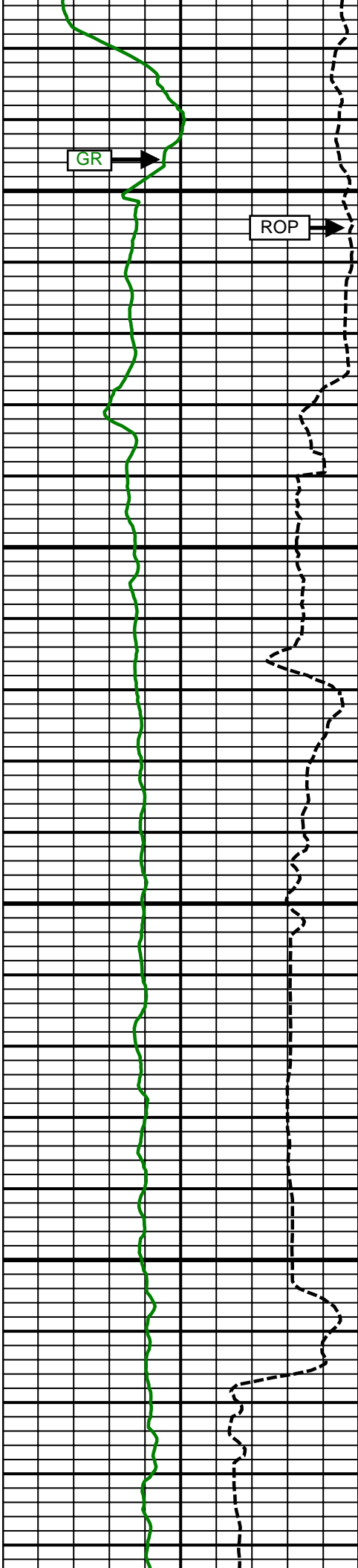
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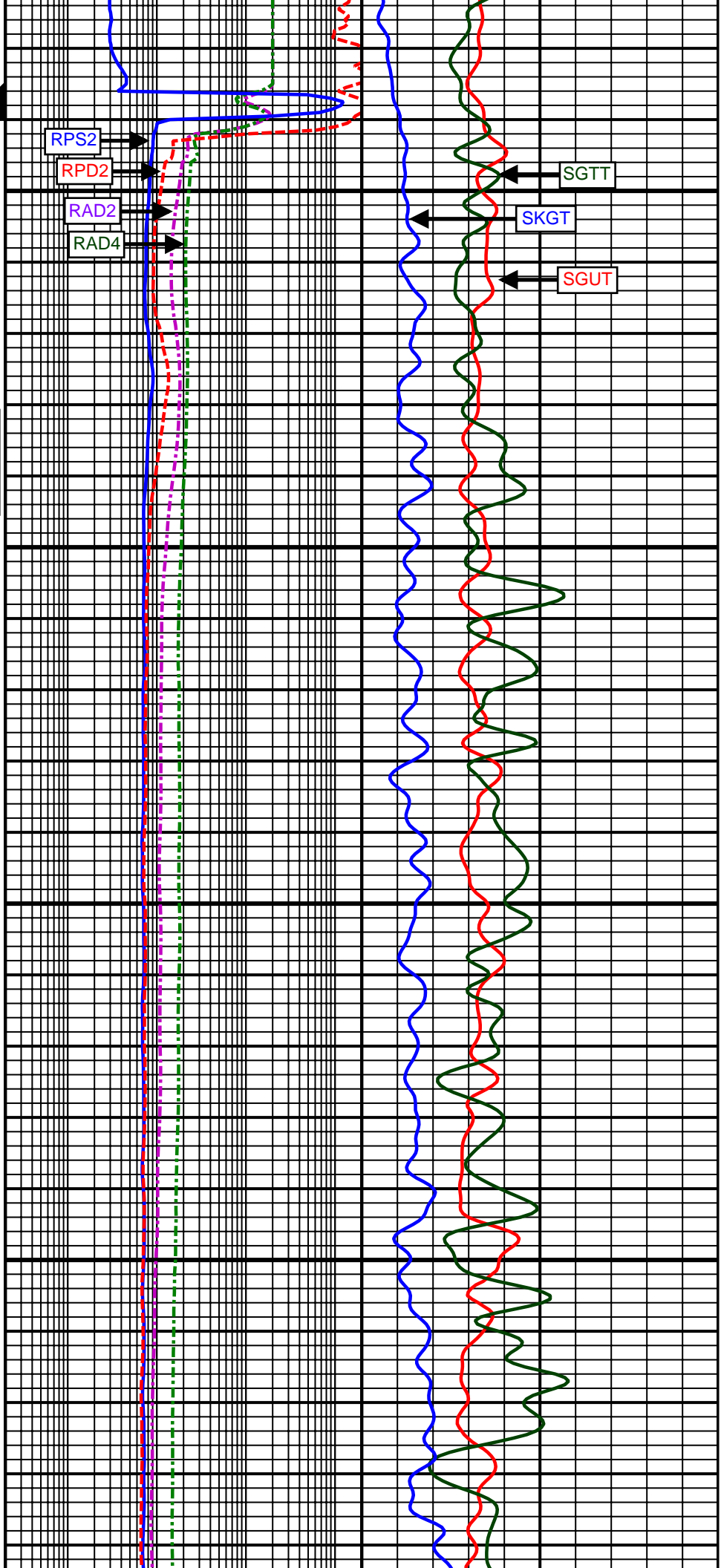




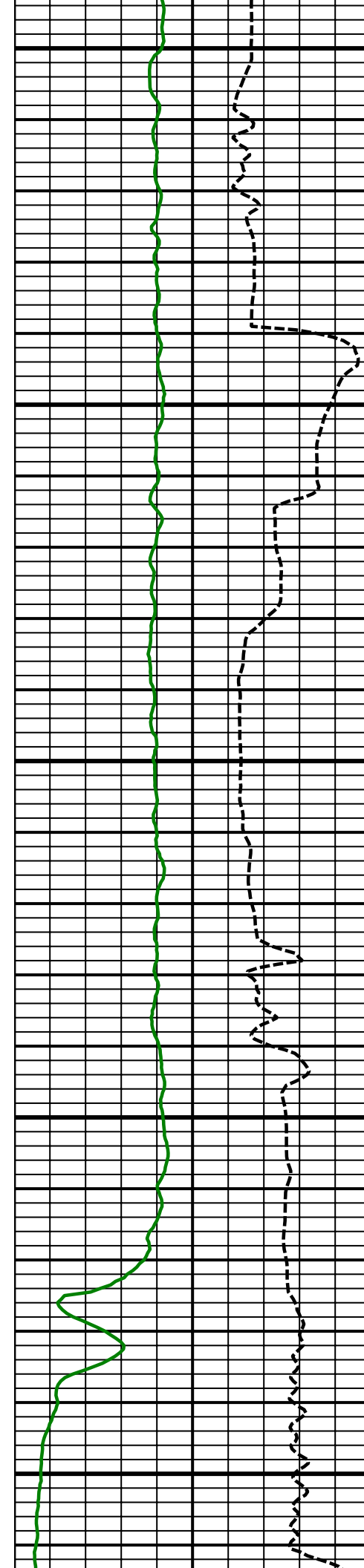
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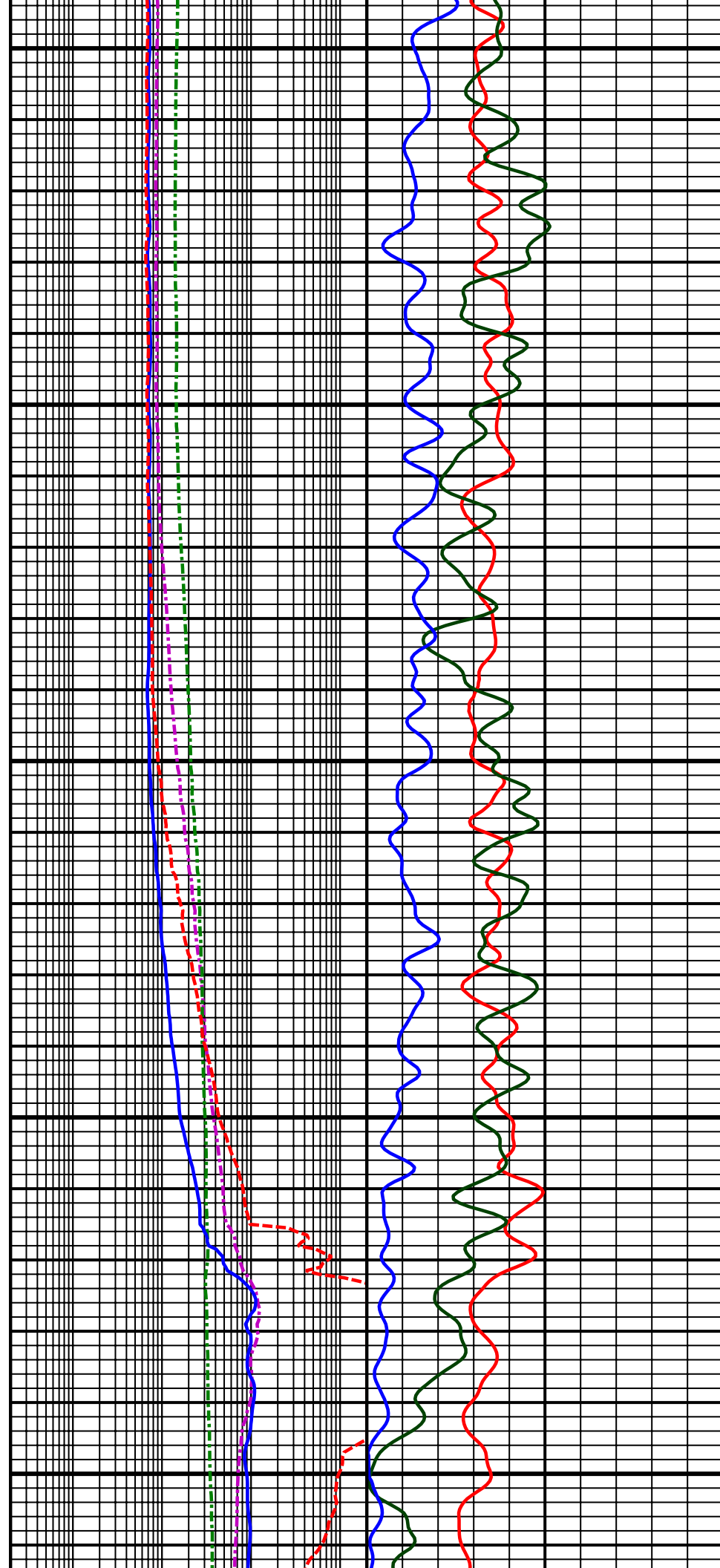


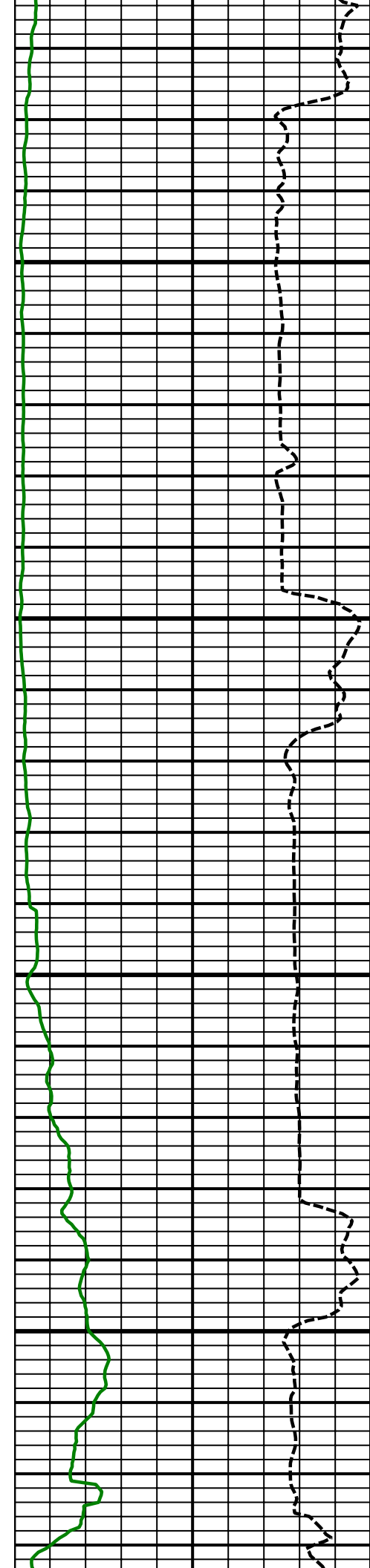


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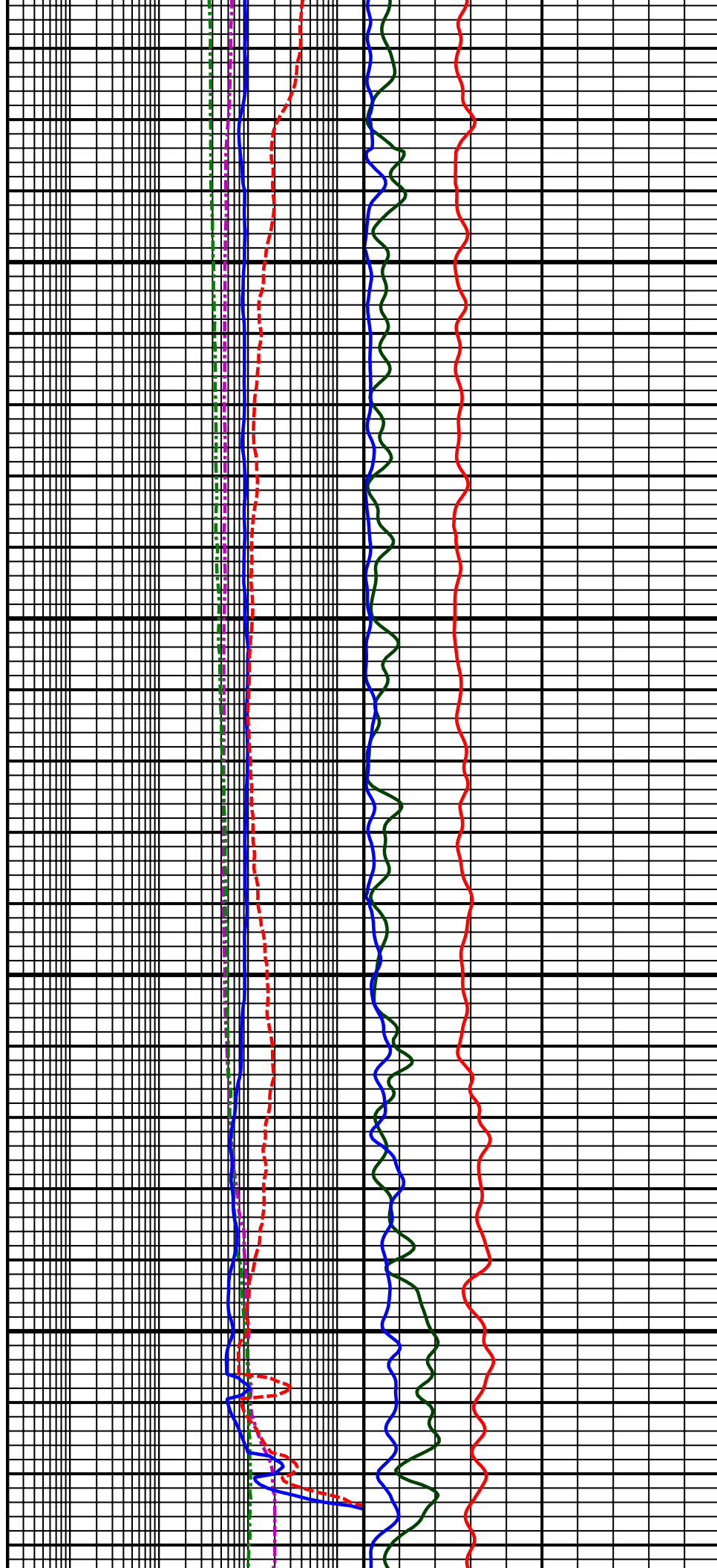
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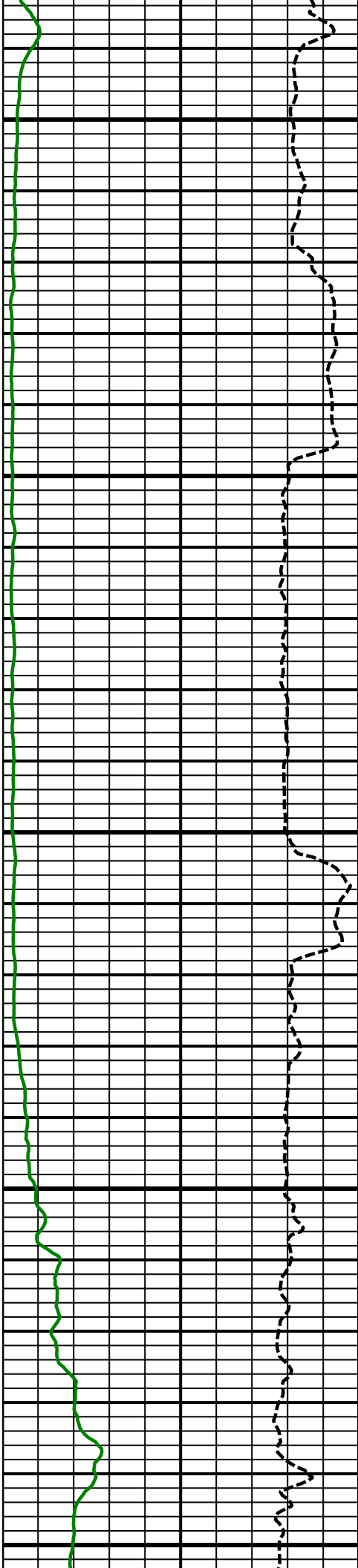




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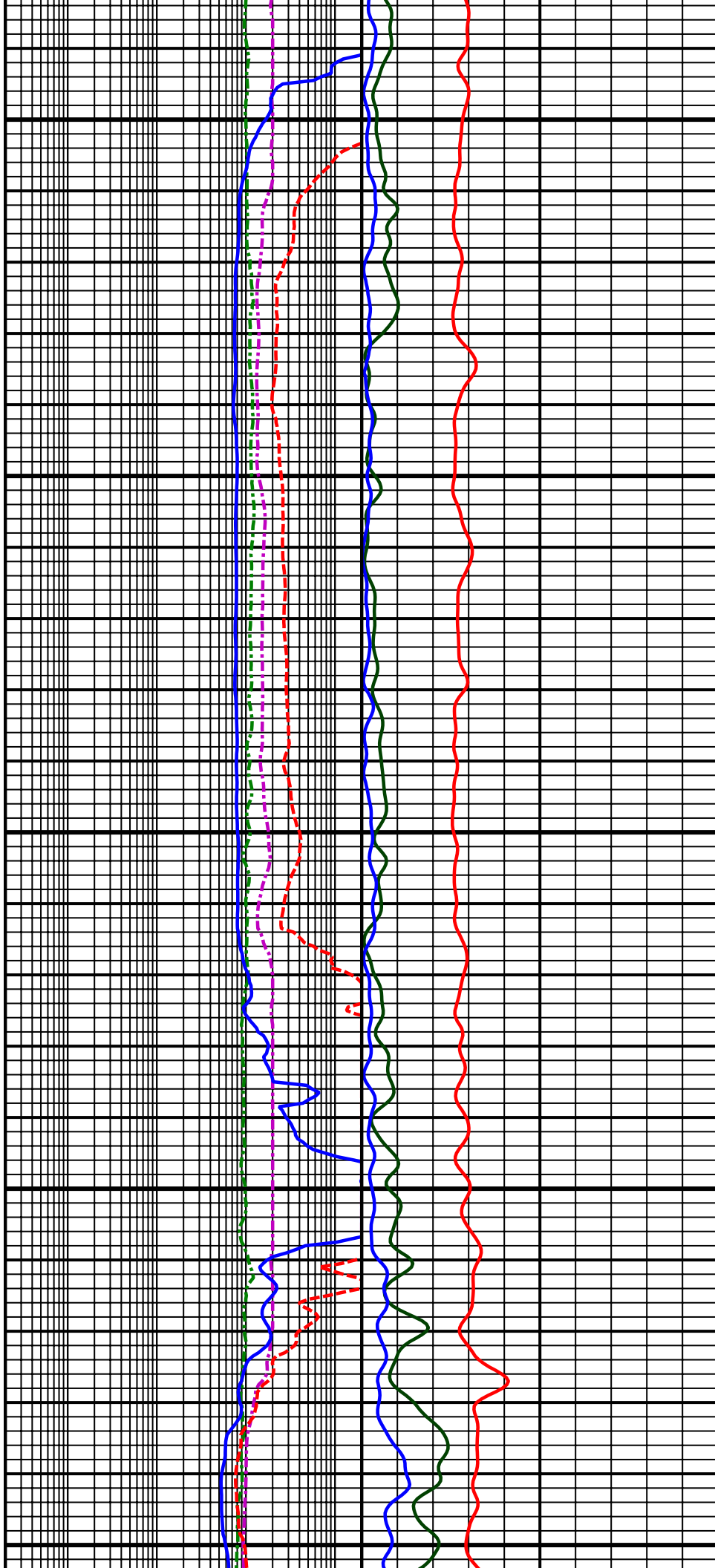
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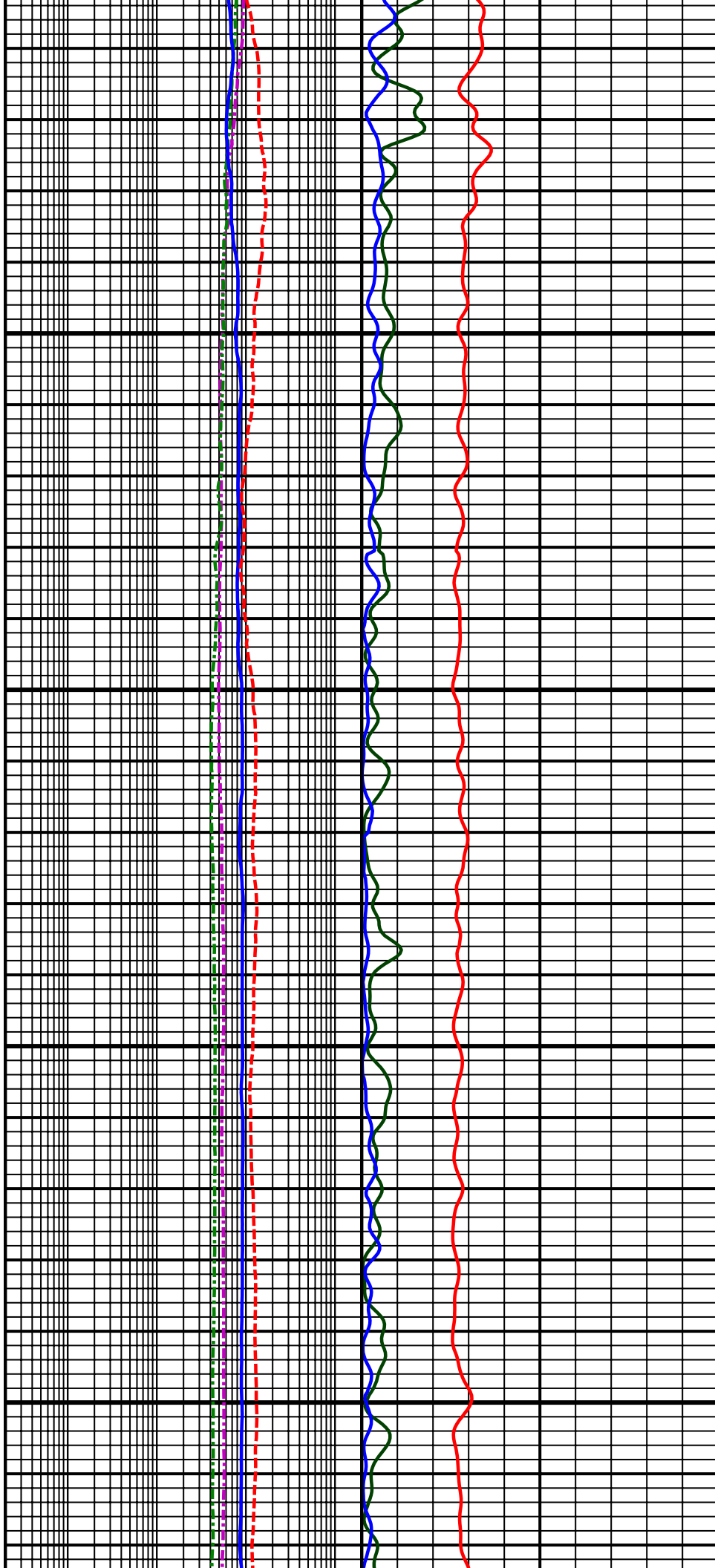
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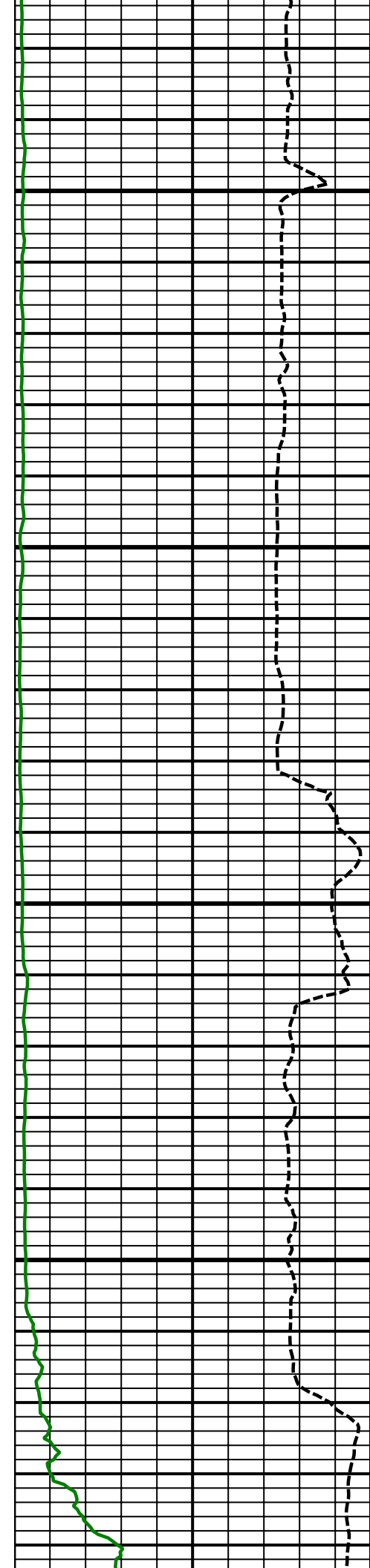




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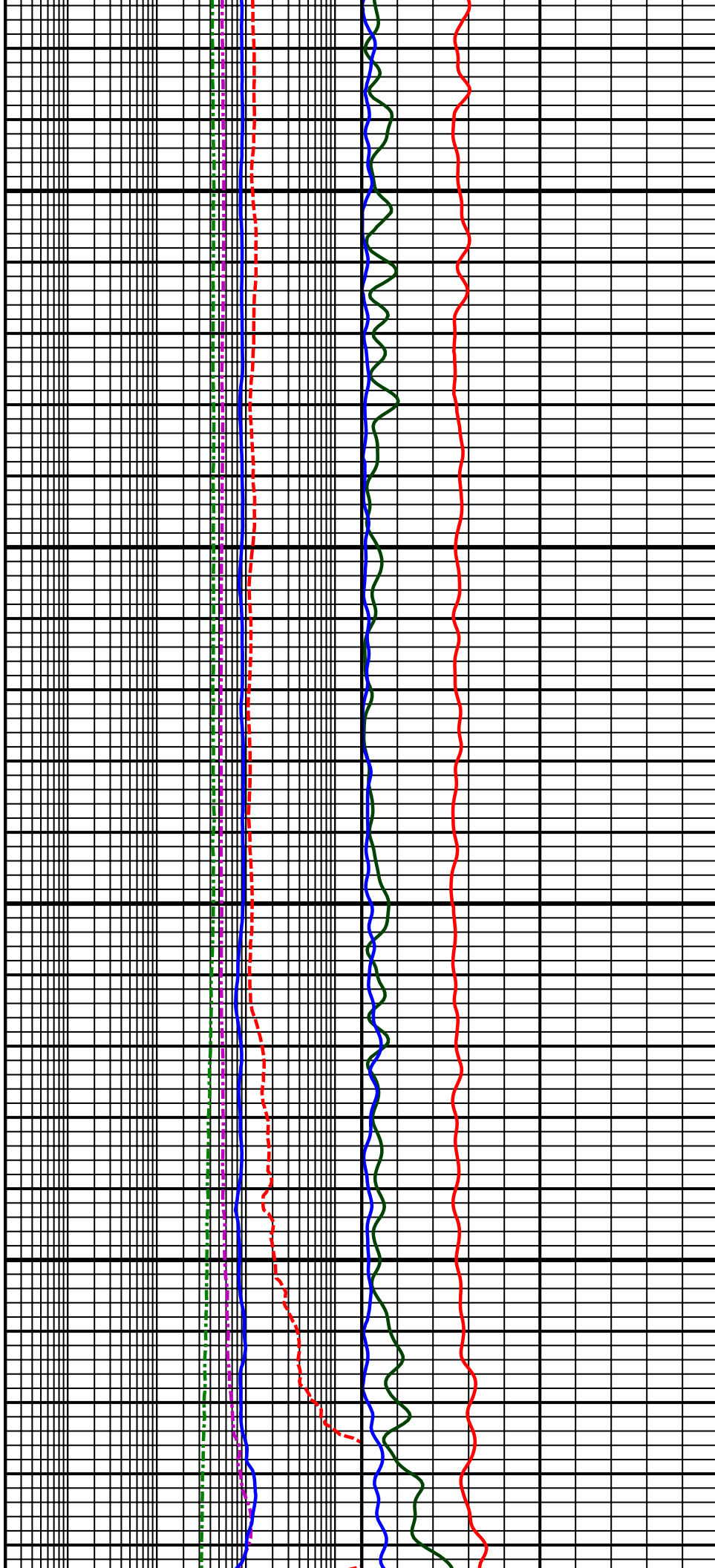
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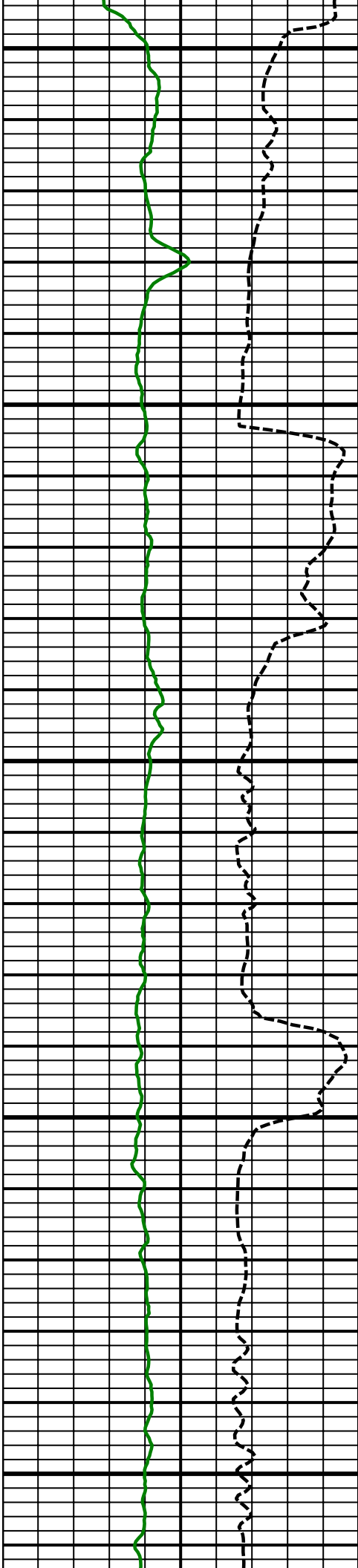




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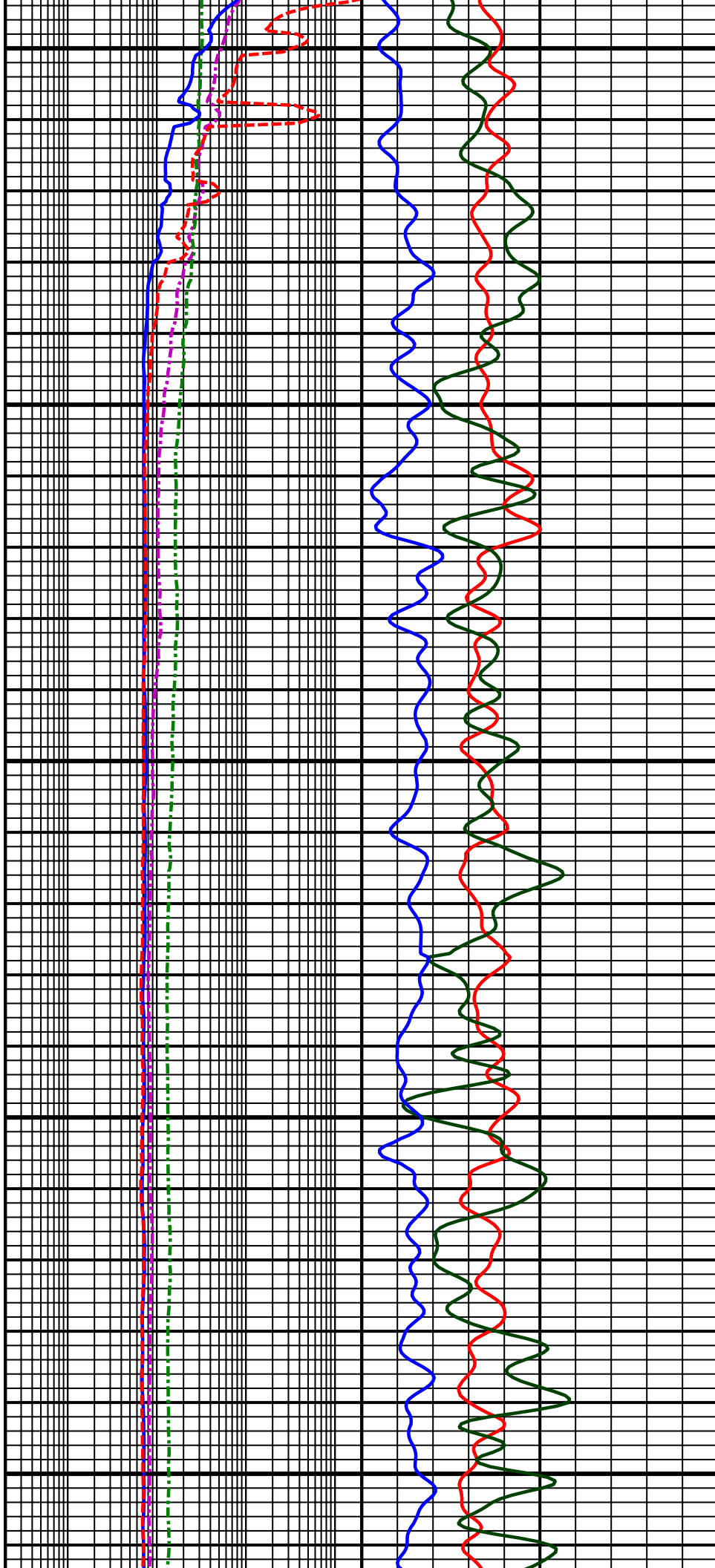


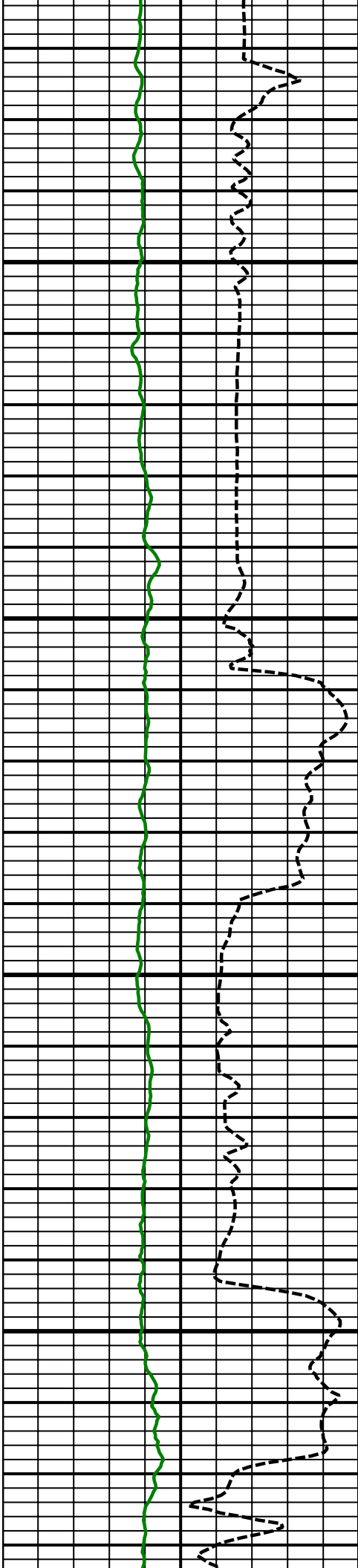


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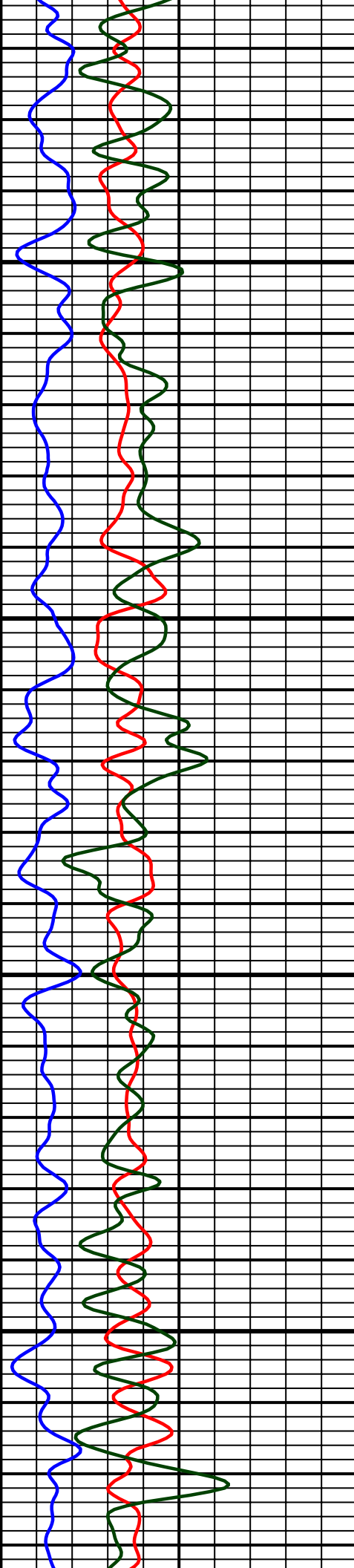
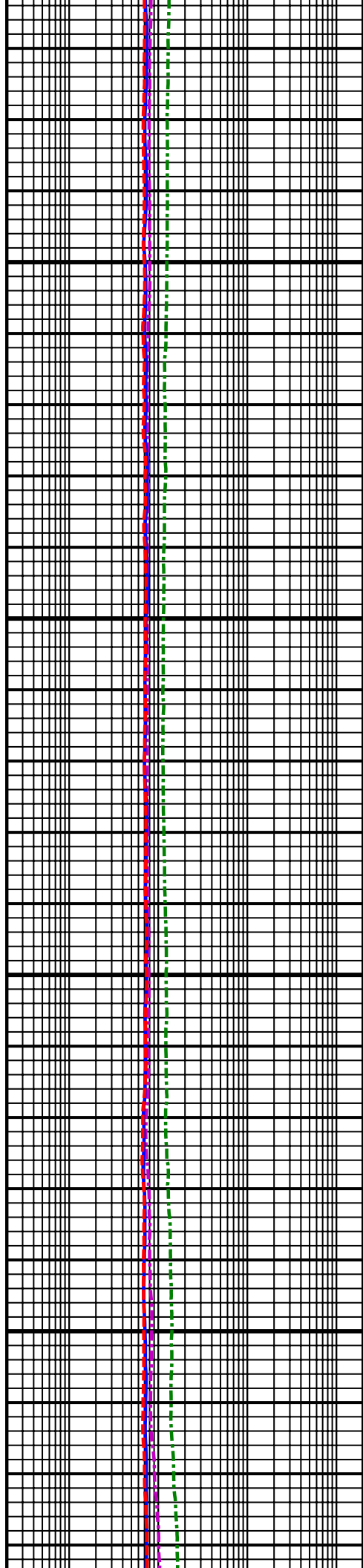
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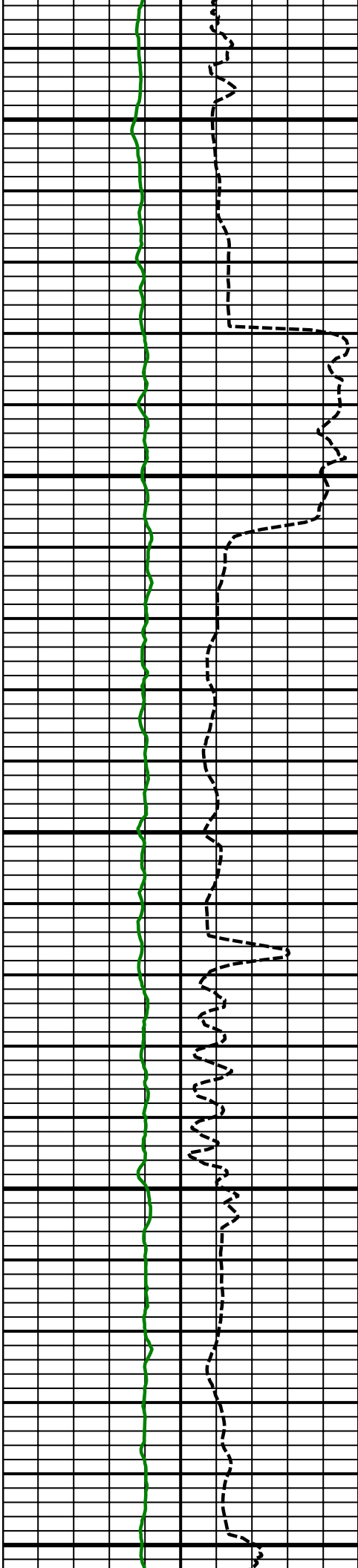




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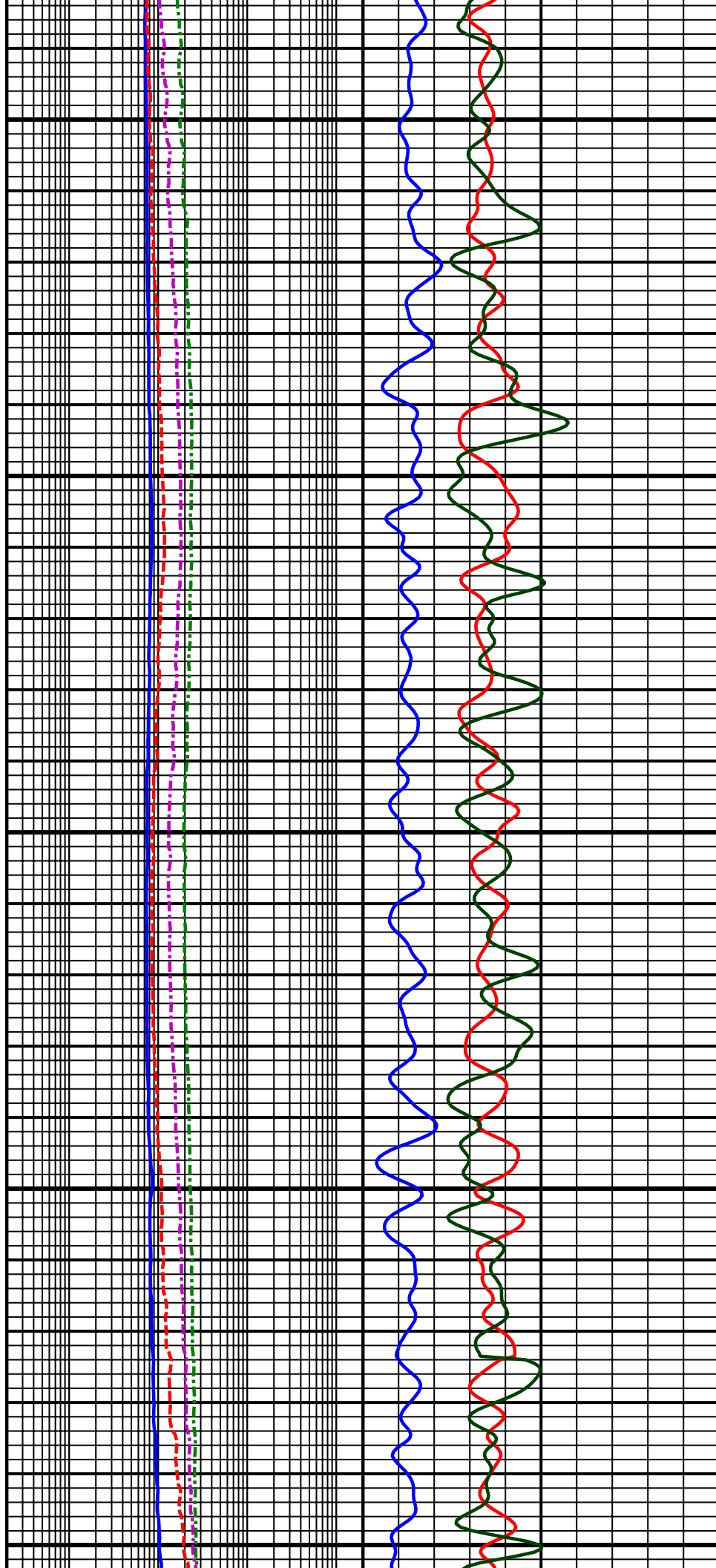
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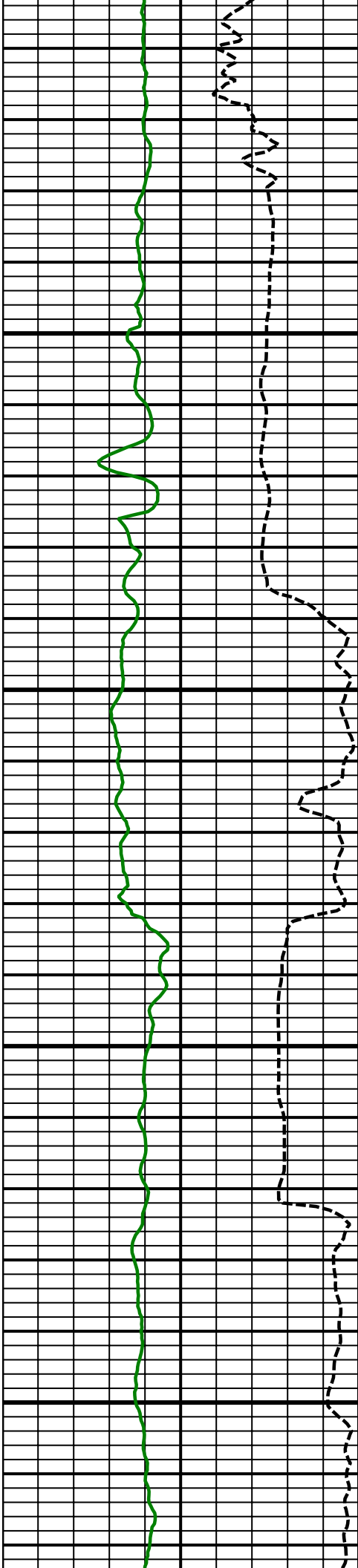


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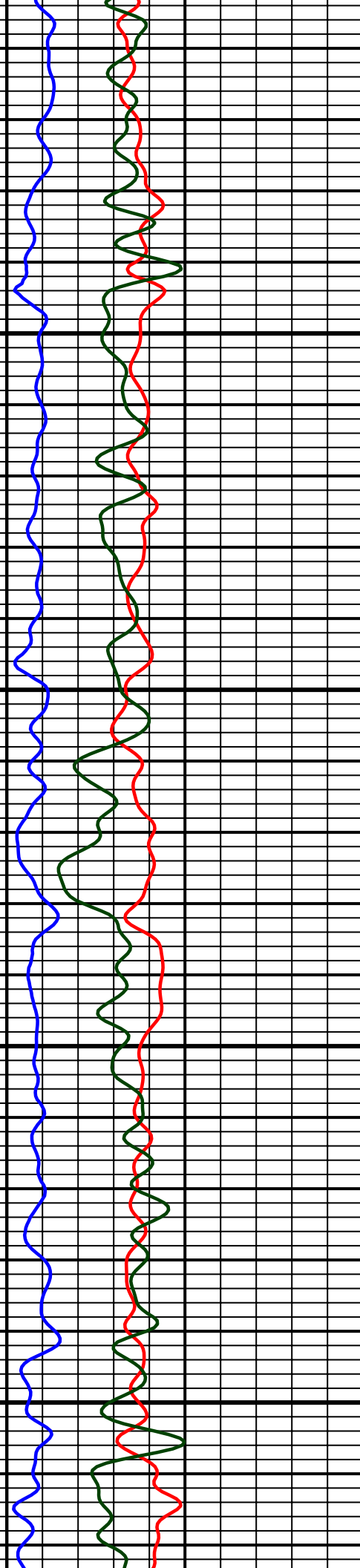
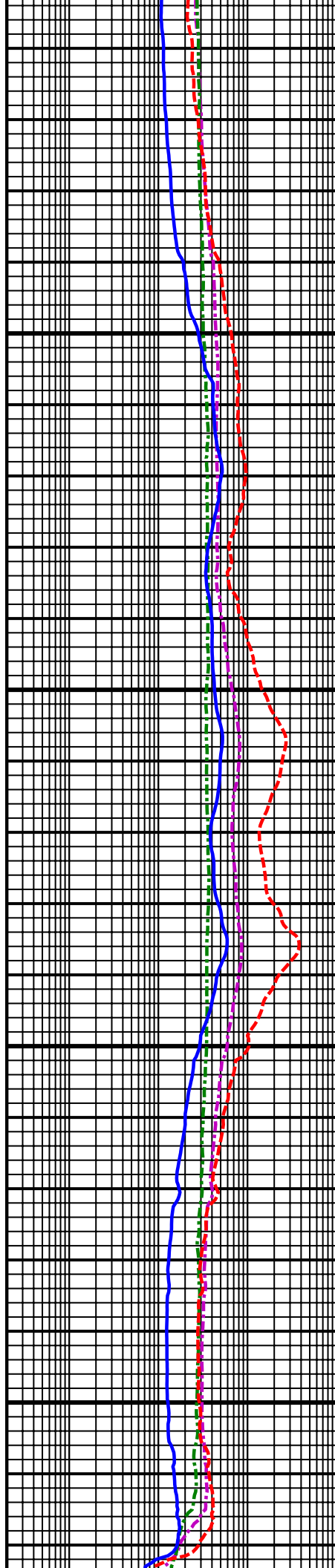


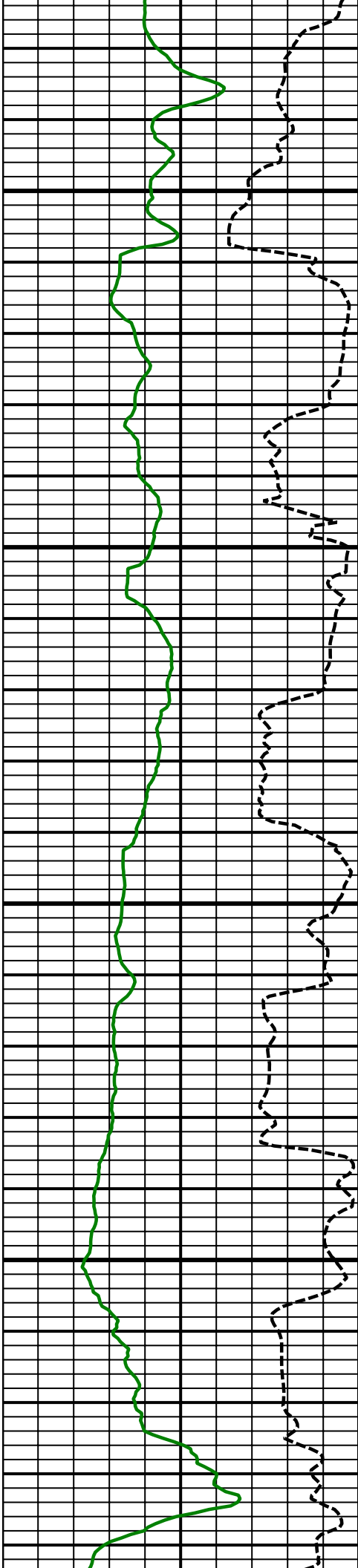




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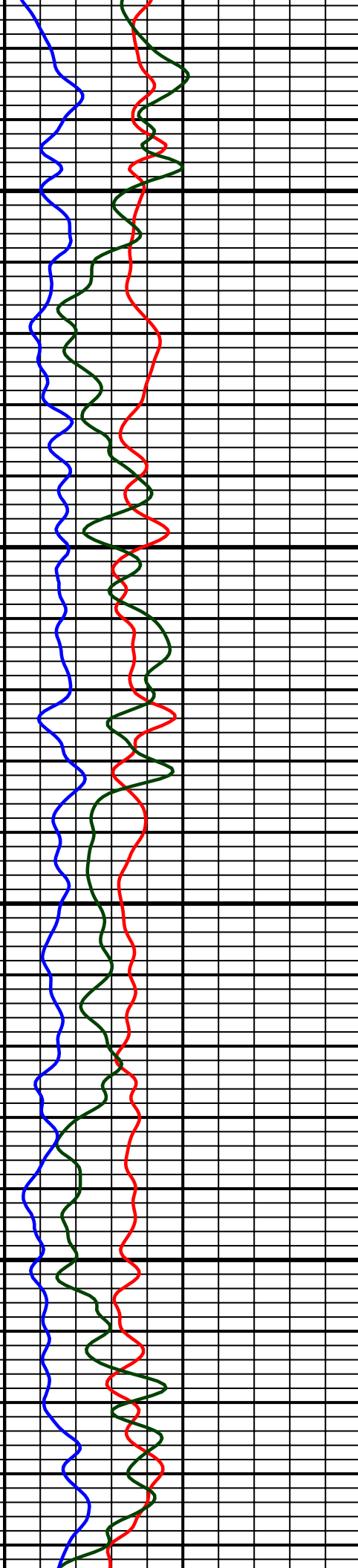
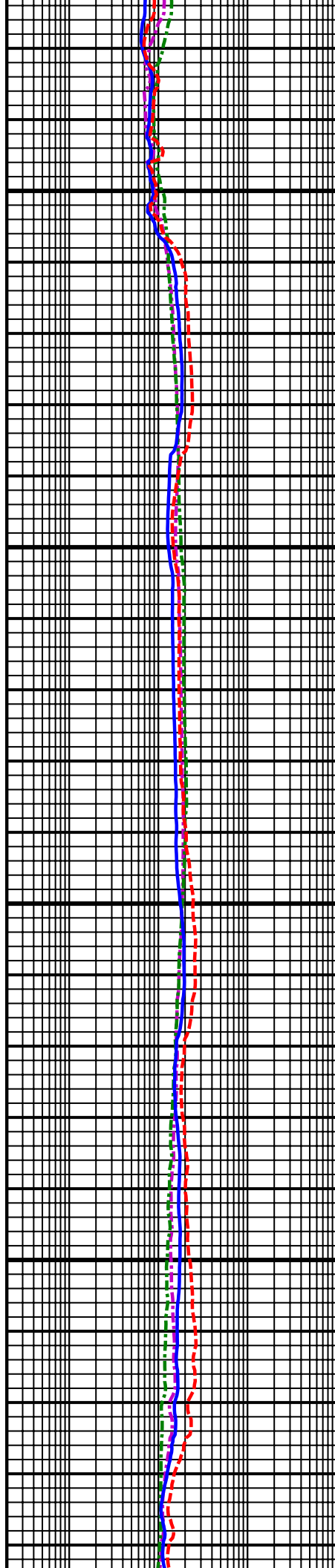
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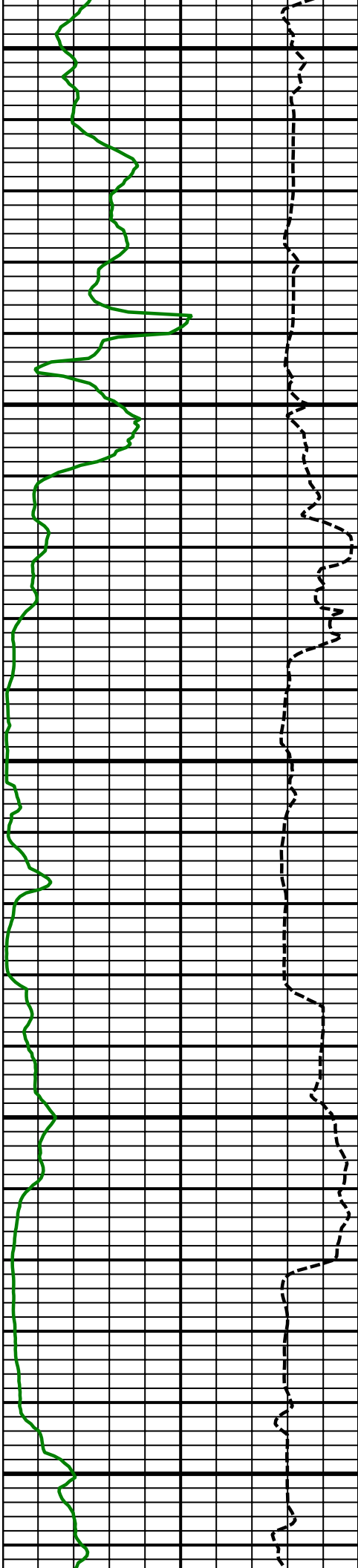




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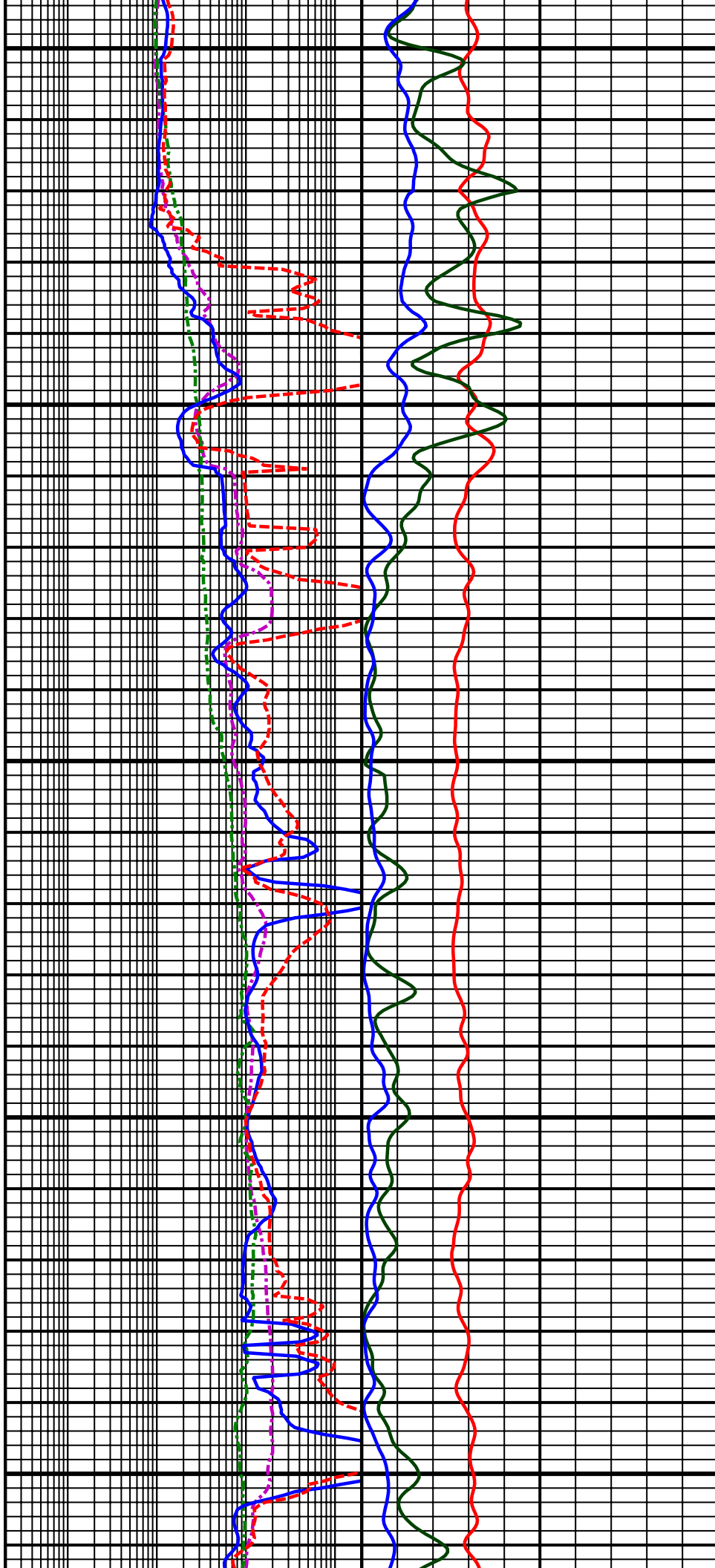


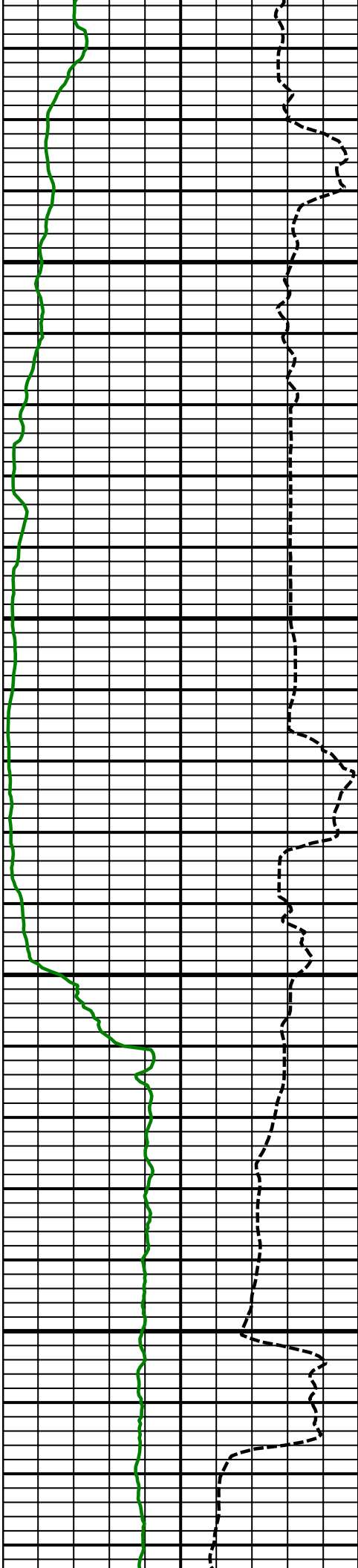


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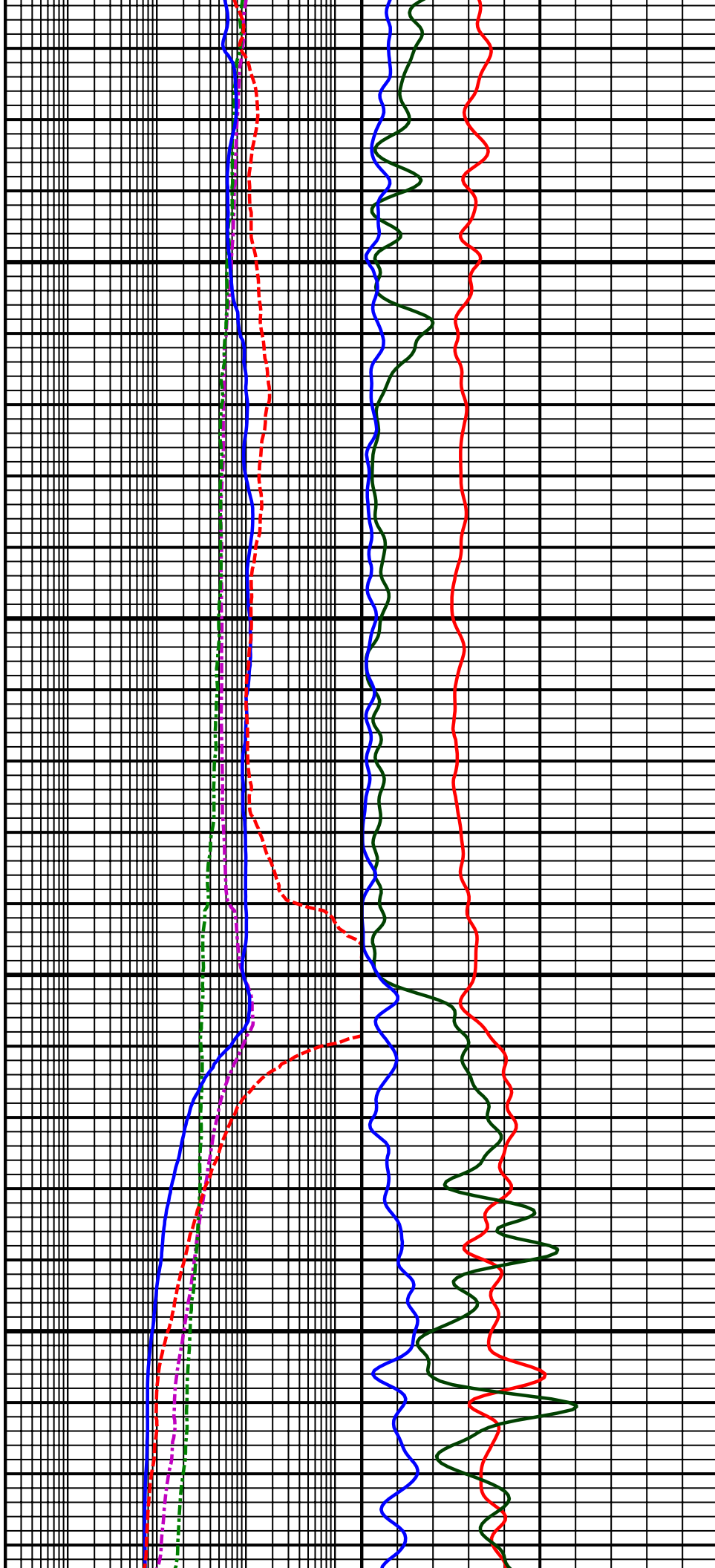
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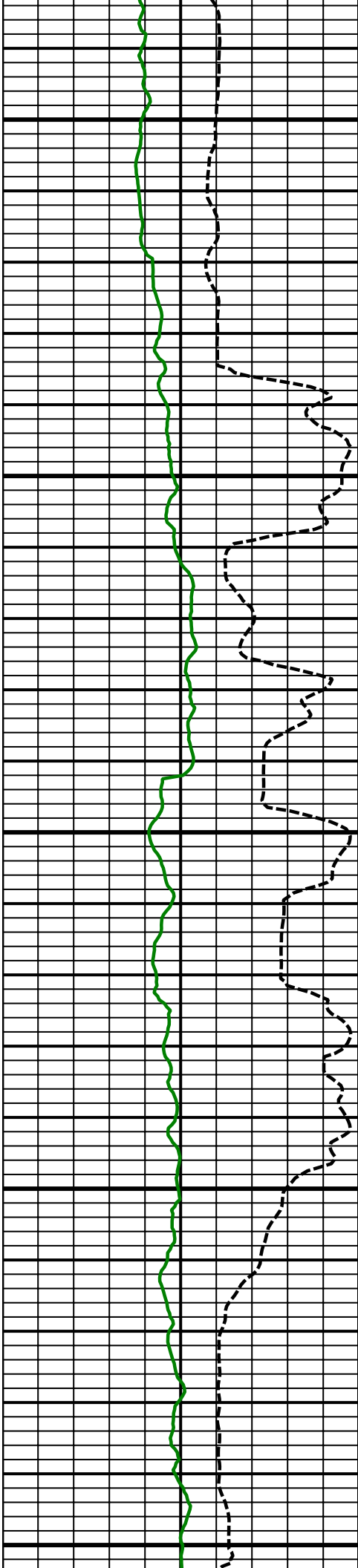




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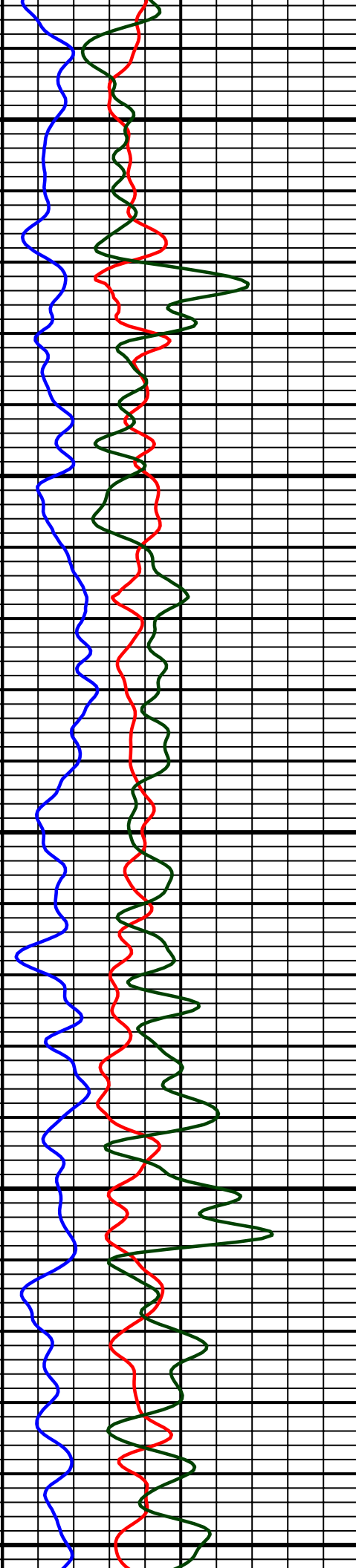
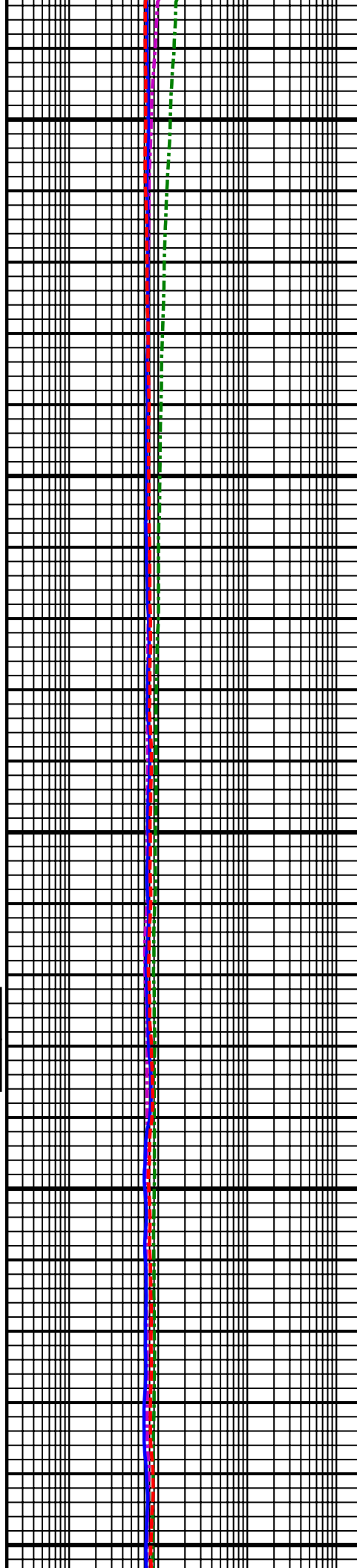


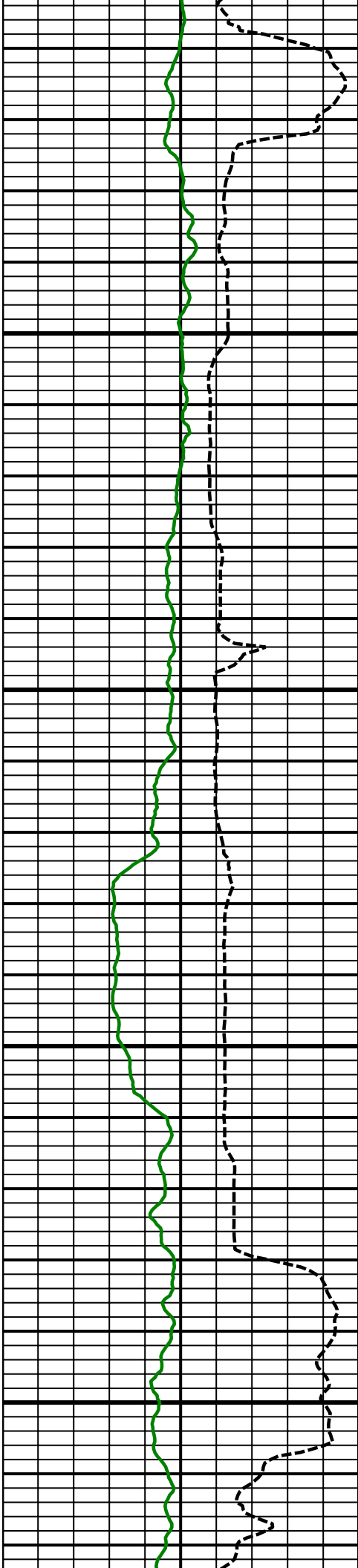


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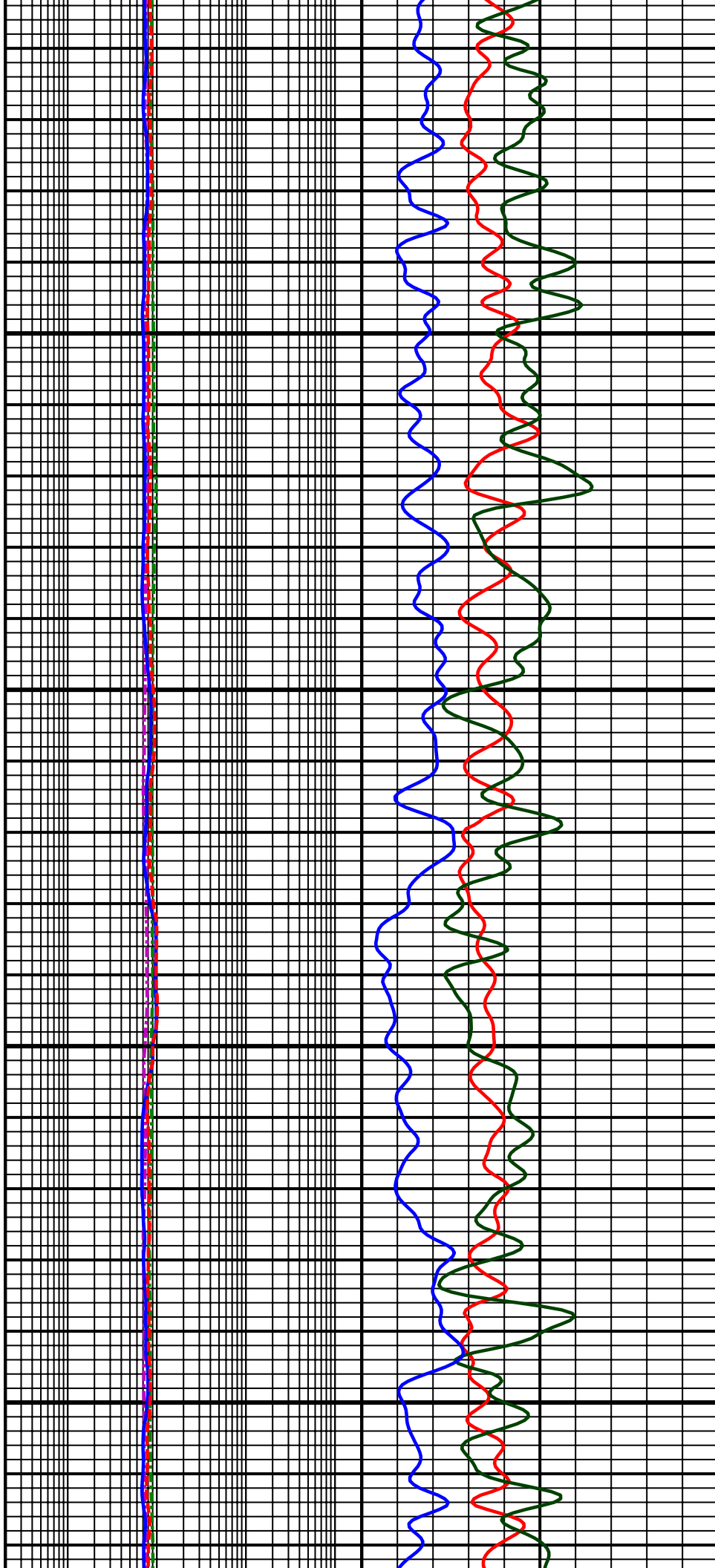
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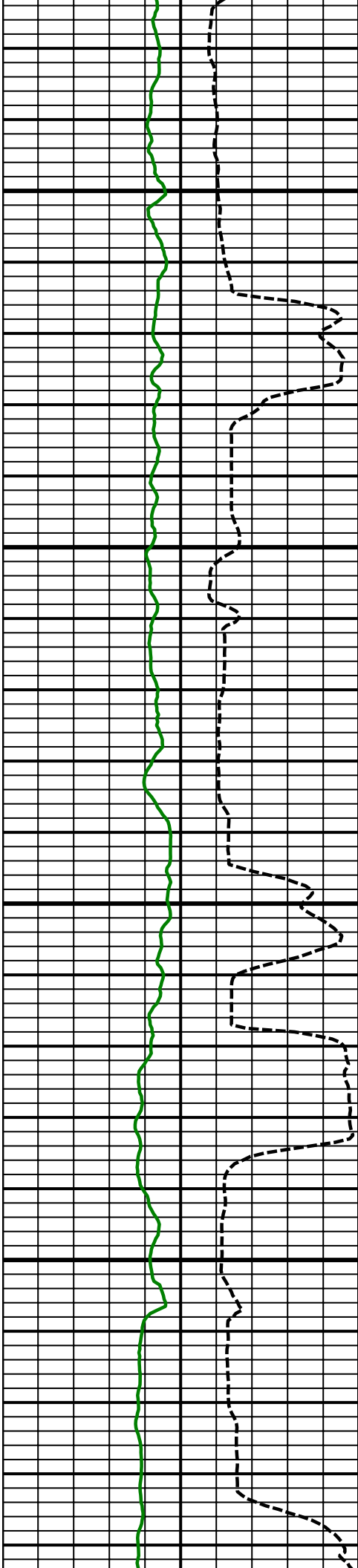




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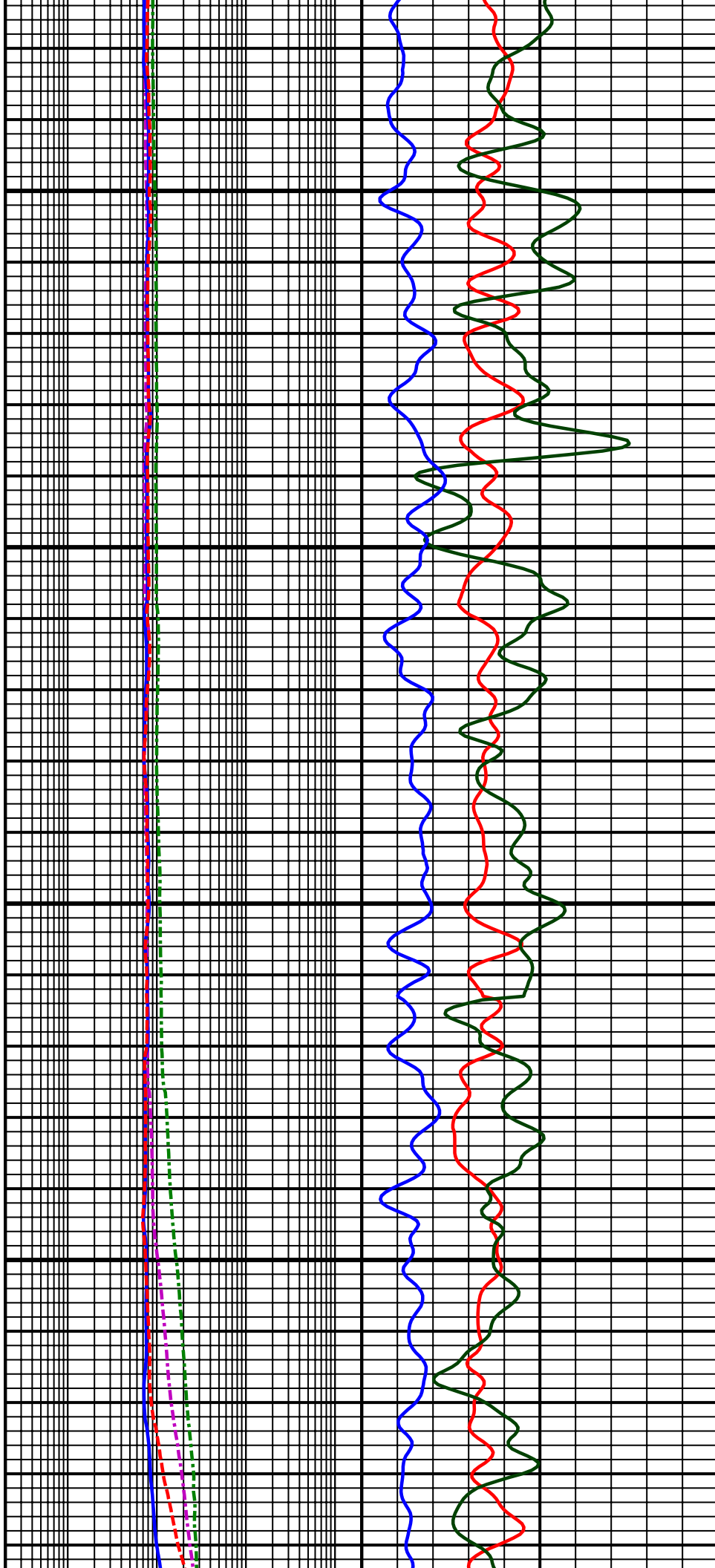
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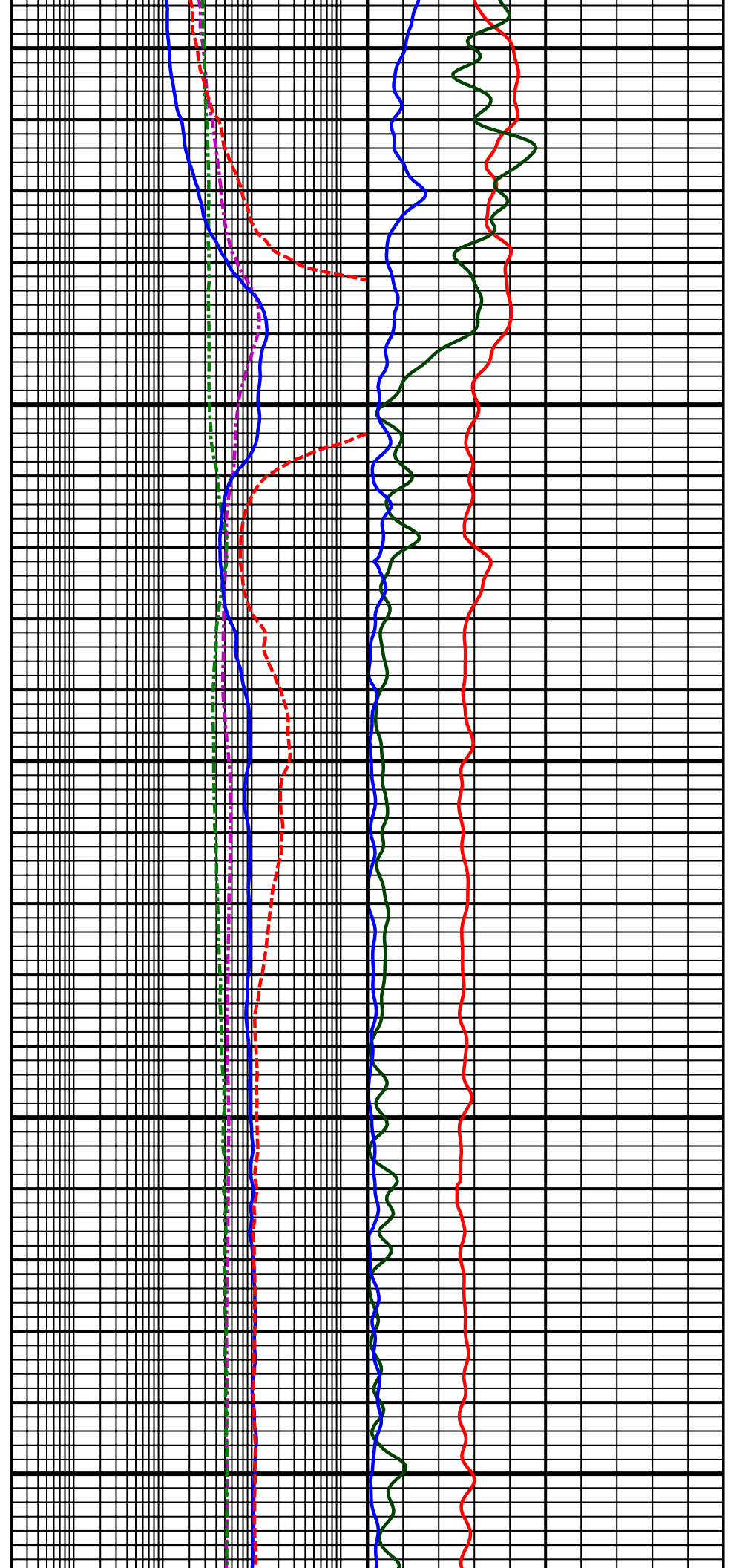




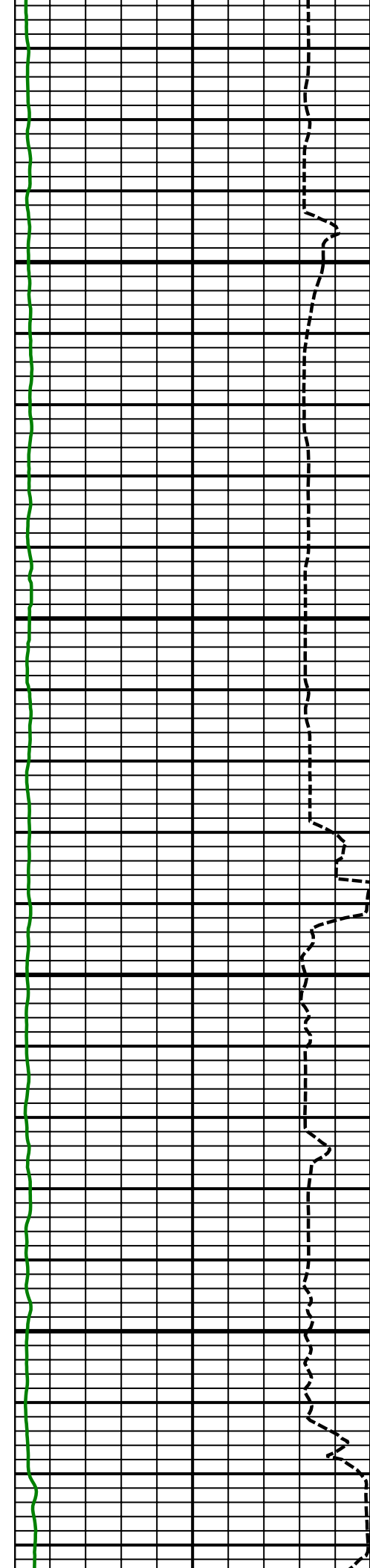
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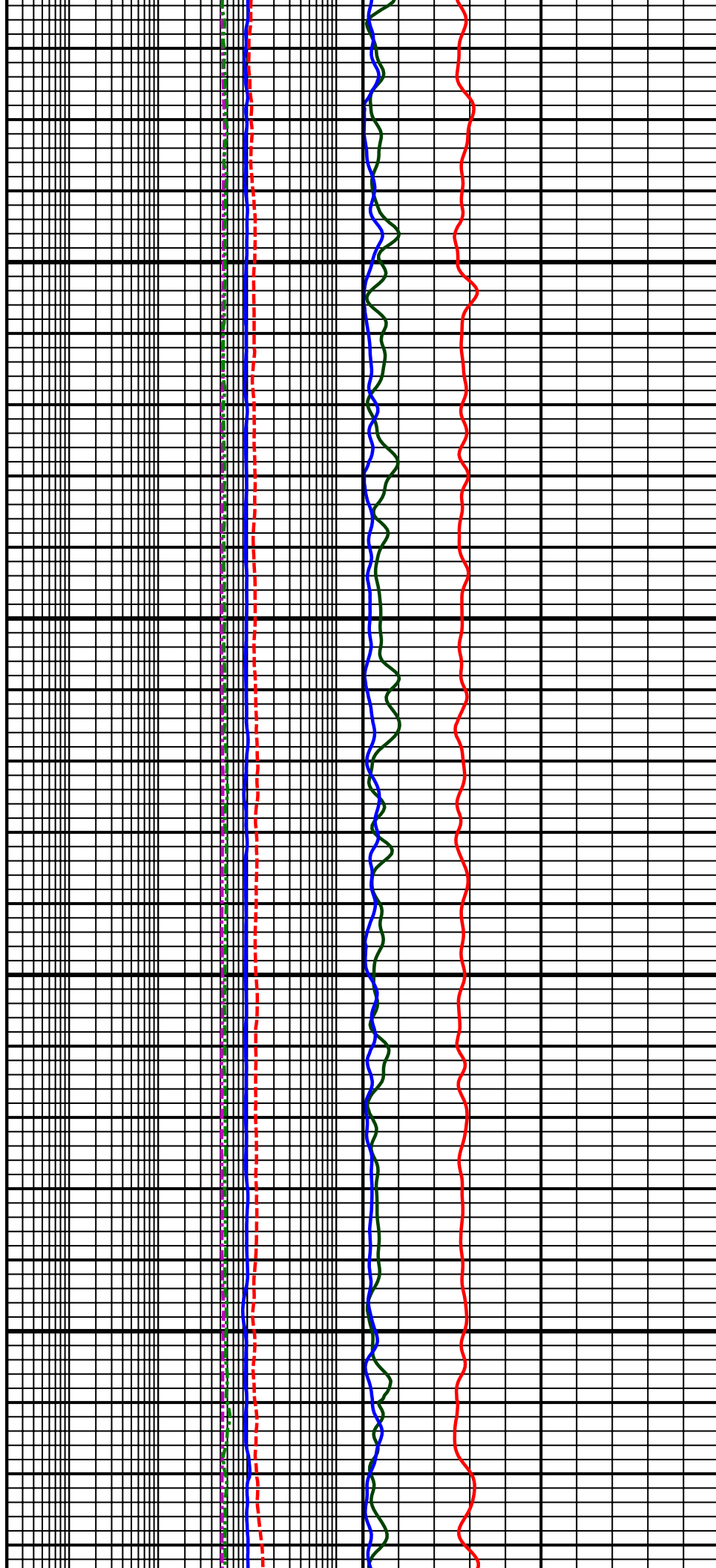


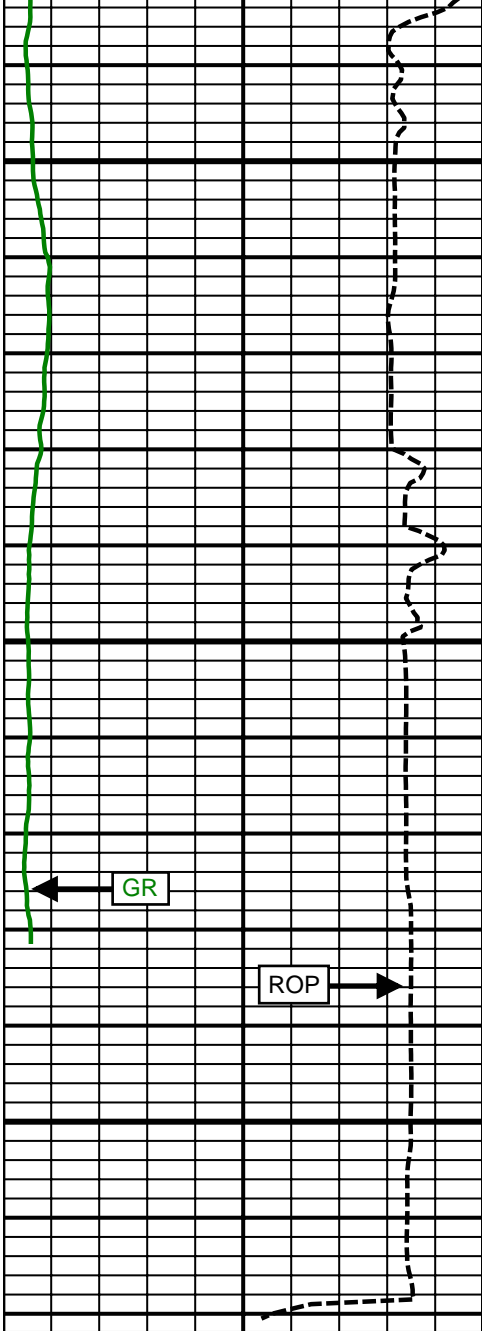




11300  
MD

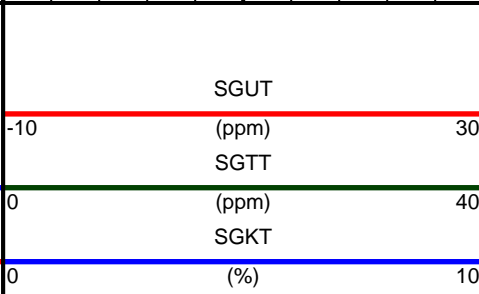
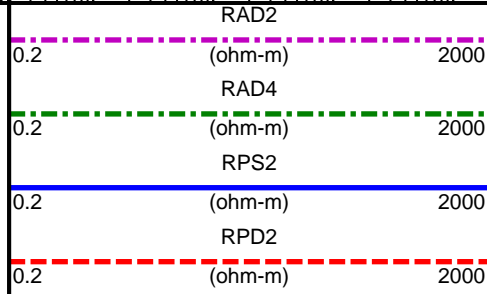
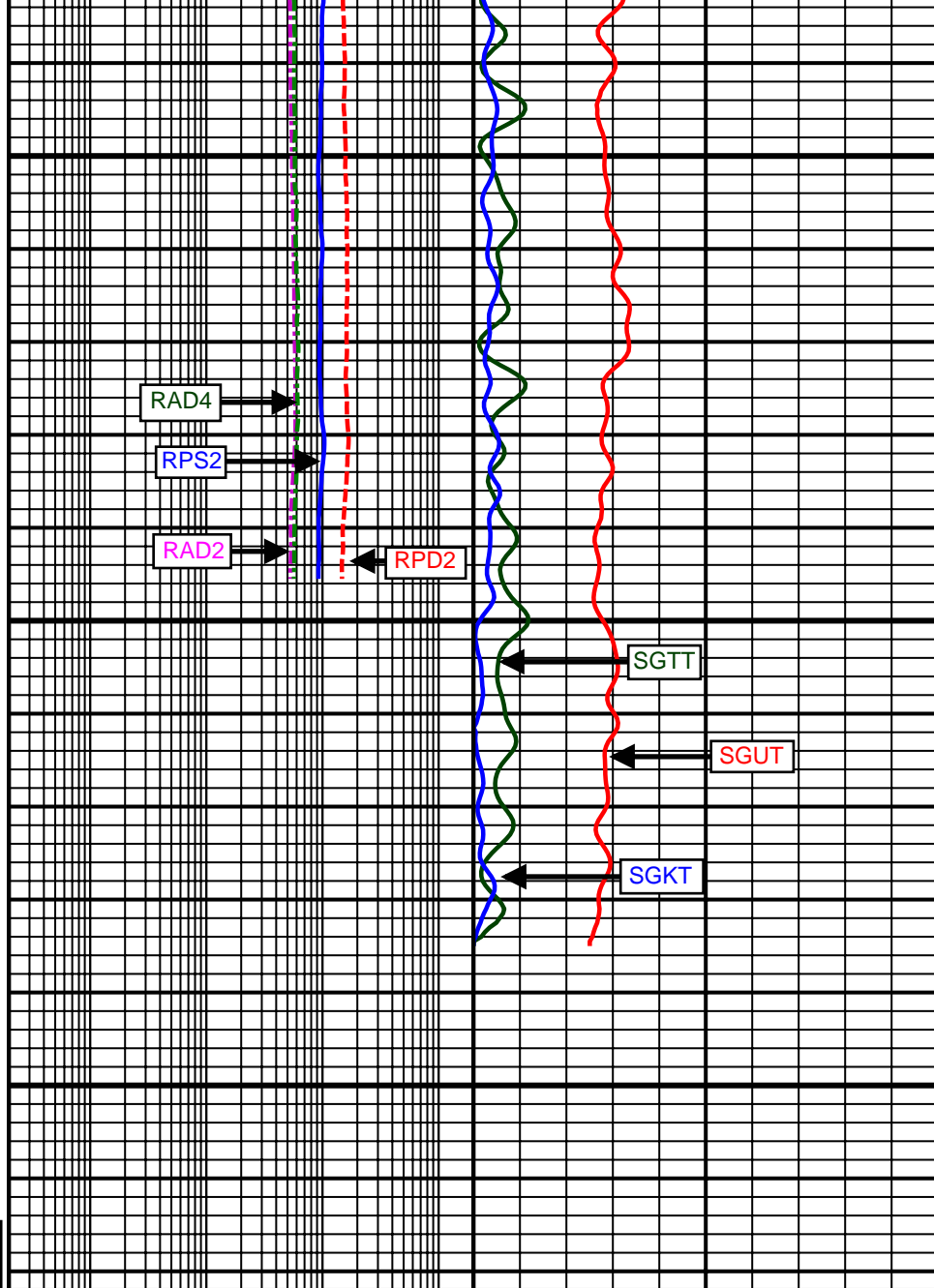
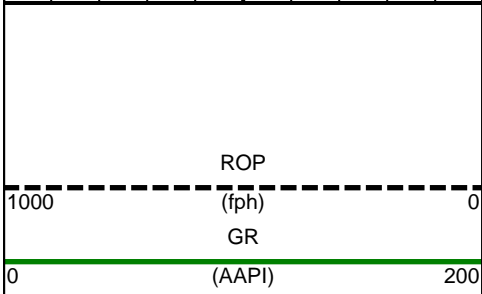
11400  
MD





11500  
MD

Comment  
4-2



SURVEY						
Survey Calculation Method: Minimum Curvature						
Magnetic Reference	Target Direction	Total Magnetic Field	Magnetic Dip Angle	Magnetic Declination	Grid Convergence	Total Correction
True North	0.68 deg	52792 nT	66.81 deg	8.66 deg	0.00 deg	8.66 deg
Survey Tie-On	Depth	INC	AZ	TVD	NS	EW
	826.00 ft	0.38 deg	230.72 deg	825.99 ft	-1.75 ft	-0.09 ft

Well Head							
Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	NS (ft)	EW (ft)	VSect (ft)	Dogleg (deg/100ft)
907.00	0.66	249.47	906.99	-2.08	-0.73	-2.09	0.40
970.00	0.91	254.06	969.98	-2.35	-1.56	-2.37	0.41
1063.00	0.64	250.72	1062.97	-2.72	-2.76	-2.76	0.29
1157.00	0.95	258.08	1156.96	-3.06	-4.01	-3.10	0.35
1250.00	1.17	139.08	1249.95	-3.93	-4.15	-3.98	1.97
1343.00	1.29	133.92	1342.93	-5.38	-2.77	-5.41	0.18
1375.00	1.26	146.45	1374.93	-5.92	-2.32	-5.95	0.87
1460.00	1.62	173.28	1459.90	-7.89	-1.66	-7.91	0.89
1545.00	2.32	183.40	1544.85	-10.80	-1.62	-10.82	0.92
1631.00	3.14	191.05	1630.75	-14.85	-2.18	-14.88	1.04
1716.00	5.02	188.53	1715.53	-20.82	-3.17	-20.85	2.22
1802.00	6.96	184.67	1801.06	-29.73	-4.16	-29.78	2.30
1887.00	8.50	180.61	1885.28	-41.15	-4.64	-41.20	1.92
1973.00	8.49	179.05	1970.34	-53.85	-4.60	-53.90	0.27
2058.00	7.80	172.47	2054.48	-65.84	-3.74	-65.88	1.36
2144.00	7.58	177.95	2139.71	-77.30	-2.78	-77.32	0.89
2229.00	6.72	179.68	2224.05	-87.87	-2.55	-87.90	1.04
2314.00	7.22	182.65	2308.42	-98.18	-2.77	-98.21	0.72
2400.00	6.87	181.85	2393.77	-108.72	-3.18	-108.75	0.42
2485.00	7.69	183.09	2478.09	-119.48	-3.65	-119.51	0.98
2570.00	6.55	182.11	2562.43	-130.00	-4.14	-130.04	1.35
2656.00	5.59	181.81	2647.95	-139.09	-4.45	-139.14	1.12
2741.00	6.28	180.77	2732.49	-147.88	-4.65	-147.92	0.82
2826.00	6.34	177.54	2816.98	-157.22	-4.51	-157.26	0.42
2912.00	7.44	179.82	2902.35	-167.53	-4.29	-167.57	1.32
2997.00	7.71	179.74	2986.61	-178.73	-4.24	-178.77	0.32
3083.00	7.14	180.39	3071.89	-189.85	-4.25	-189.88	0.67
3168.00	6.09	179.71	3156.32	-199.64	-4.27	-199.67	1.24
3254.00	6.30	184.84	3241.82	-208.90	-4.64	-208.94	0.69
3339.00	7.08	183.77	3326.24	-218.78	-5.38	-218.82	0.93
3425.00	7.15	185.31	3411.58	-229.39	-6.22	-229.45	0.24
3510.00	6.40	180.72	3495.99	-239.40	-6.77	-239.46	1.09
3596.00	6.15	169.74	3581.47	-248.72	-6.01	-248.78	1.42
3684.00	6.12	174.81	3668.97	-258.03	-4.75	-258.07	0.62
3769.00	7.51	174.88	3753.37	-268.08	-3.84	-268.11	1.64
3855.00	8.78	178.36	3838.50	-280.24	-3.15	-280.26	1.58
3940.00	8.57	176.35	3922.53	-293.04	-2.56	-293.05	0.43
4026.00	8.57	175.71	4007.57	-305.83	-1.68	-305.83	0.11
4111.00	8.03	177.34	4091.68	-318.07	-0.93	-318.06	0.69
4196.00	6.74	177.34	4175.97	-328.99	-0.42	-328.97	1.52
4282.00	7.48	176.81	4261.31	-339.62	0.13	-339.59	0.86
4367.00	7.54	177.75	4345.58	-350.72	0.65	-350.68	0.16

4453.00	7.21	177.41	4430.87	-361.74	1.12	-361.71	0.39
4538.00	6.94	180.04	4515.22	-372.21	1.36	-372.17	0.50
4624.00	6.41	177.11	4600.64	-382.20	1.59	-382.15	0.73
4709.00	7.95	177.23	4684.97	-392.81	2.12	-392.76	1.81
4794.00	6.99	173.58	4769.25	-403.82	2.98	-403.76	1.26
4880.00	7.24	175.75	4854.58	-414.42	3.97	-414.35	0.43
4965.00	6.05	174.83	4939.01	-424.23	4.77	-424.14	1.41
5051.00	6.58	179.26	5024.49	-433.67	5.24	-433.58	0.84
5136.00	7.59	180.45	5108.84	-444.15	5.26	-444.06	1.20
5221.00	6.39	178.11	5193.21	-454.49	5.37	-454.40	1.45
5306.00	6.78	175.21	5277.65	-464.22	5.94	-464.12	0.60
5392.00	8.08	176.38	5362.92	-475.31	6.75	-475.20	1.52
5477.00	6.42	170.70	5447.24	-485.96	7.90	-485.84	2.12
5562.00	6.80	172.09	5531.68	-495.64	9.36	-495.49	0.49
5647.00	6.87	169.54	5616.07	-505.62	10.97	-505.46	0.37
5733.00	6.53	172.38	5701.48	-515.53	12.55	-515.34	0.55
5818.00	6.49	168.71	5785.94	-525.03	14.14	-524.82	0.49
5903.00	6.37	172.81	5870.40	-534.42	15.67	-534.19	0.56
5989.00	4.95	167.76	5955.98	-542.78	17.05	-542.54	1.75
6074.00	3.90	162.46	6040.73	-549.12	18.70	-548.86	1.32
6159.00	2.32	152.72	6125.60	-553.40	20.36	-553.12	1.95
6224.00	2.19	139.62	6190.55	-555.52	21.77	-555.22	0.82
6309.00	2.39	191.49	6275.49	-558.49	22.47	-558.19	2.37
6394.00	2.46	211.24	6360.42	-561.79	21.17	-561.50	0.98
6480.00	2.32	212.02	6446.34	-564.84	19.29	-564.57	0.17
6565.00	0.73	271.86	6531.31	-566.28	17.83	-566.03	2.41
6607.00	3.43	335.58	6573.28	-565.13	17.05	-564.89	7.56
6650.00	7.95	356.41	6616.06	-560.99	16.33	-560.76	11.39
6693.00	12.46	3.42	6658.38	-553.39	16.42	-553.15	10.86
6735.00	15.99	355.47	6699.08	-543.09	16.23	-542.86	9.59
6778.00	19.25	355.08	6740.06	-530.12	15.15	-529.91	7.59
6821.00	23.23	355.84	6780.13	-514.60	13.93	-514.40	9.28
6863.00	27.28	356.86	6818.11	-496.72	12.80	-496.53	9.70
6906.00	30.08	358.74	6855.83	-476.10	12.03	-475.92	6.84
6949.00	30.04	357.68	6893.05	-454.57	11.35	-454.41	1.24
6991.00	32.69	356.39	6928.91	-432.74	10.21	-432.59	6.51
7034.00	36.92	356.62	6964.21	-408.25	8.72	-408.12	9.84
7076.00	41.73	357.98	6996.69	-381.67	7.48	-381.56	11.63
7119.00	46.49	359.63	7027.56	-351.76	6.88	-351.65	11.39
7162.00	50.94	0.49	7055.92	-319.46	6.92	-319.35	10.46
7204.00	55.71	0.38	7081.00	-285.78	7.17	-285.68	11.36
7247.00	57.98	358.64	7104.52	-249.79	6.86	-249.69	6.27
7290.00	63.16	359.16	7125.64	-212.36	6.14	-212.27	12.09
7332.00	67.36	0.53	7143.21	-174.22	6.05	-174.14	10.43
7375.00	71.93	0.29	7158.16	-133.92	6.34	-133.84	10.64
7418.00	77.15	0.53	7169.62	-92.49	6.63	-92.41	12.15
7460.00	82.28	2.86	7177.12	-51.20	7.86	-51.10	13.38
7478.00	83.90	3.59	7179.28	-33.36	8.87	-33.25	9.86
7516.00	88.46	4.67	7181.82	4.45	11.60	4.58	12.33
7601.00	89.45	1.61	7183.37	89.29	16.25	89.48	3.78
7687.00	89.20	0.95	7184.38	175.26	18.17	175.47	0.82
7772.00	91.17	0.20	7184.10	260.26	19.03	260.46	2.48
7858.00	91.11	358.83	7182.39	346.23	18.30	346.43	1.59
7943.00	89.75	358.87	7181.76	431.21	16.59	431.38	1.60
8029.00	90.56	0.49	7181.52	517.21	16.11	517.36	2.11
8114.00	90.92	0.35	7180.43	602.20	16.74	602.35	0.45
8200.00	89.01	0.06	7180.48	688.19	17.04	688.35	2.25
8285.00	88.71	1.33	7182.17	773.17	18.07	773.33	1.53
8371.00	88.21	1.07	7184.48	859.12	19.87	859.29	0.66
8456.00	90.18	0.73	7185.67	944.09	21.21	944.28	2.35
8541.00	90.49	1.49	7185.18	1029.08	22.86	1029.27	0.97

8626.00	90.62	2.94	7184.35	1114.01	26.14	1114.24	1.71
8712.00	88.95	2.51	7184.68	1199.90	30.23	1200.18	2.01
8797.00	87.10	0.41	7187.61	1284.82	32.39	1285.11	3.29
8883.00	89.38	358.10	7190.25	1370.76	31.28	1371.03	3.77
8968.00	90.00	359.14	7190.71	1455.73	29.23	1455.98	1.42
9054.00	89.45	356.82	7191.12	1541.67	26.20	1541.87	2.77
9139.00	91.06	358.43	7190.74	1626.59	22.68	1626.75	2.68
9225.00	91.66	0.73	7188.70	1712.56	22.05	1712.70	2.76
9310.00	89.69	0.37	7187.70	1797.54	22.86	1797.69	2.36
9395.00	89.03	0.02	7188.65	1882.54	23.15	1882.68	0.88
9481.00	87.41	357.06	7191.32	1968.46	20.96	1968.57	3.92
9566.00	85.93	355.31	7196.26	2053.12	15.32	2053.16	2.69
9652.00	88.27	355.44	7200.61	2138.72	8.39	2138.67	2.73
9737.00	90.62	356.67	7201.43	2223.51	2.55	2223.38	3.12
9822.00	90.93	359.00	7200.28	2308.44	-0.67	2308.27	2.77
9908.00	92.12	1.96	7197.99	2394.39	0.05	2394.22	3.71
9993.00	89.65	0.73	7196.68	2479.35	2.05	2479.20	3.25
10078.00	91.05	1.72	7196.16	2564.33	3.87	2564.19	2.02
10163.00	91.60	2.09	7194.20	2649.26	6.69	2649.15	0.78
10249.00	90.18	2.24	7192.86	2735.18	9.94	2735.11	1.66
10334.00	89.14	2.20	7193.36	2820.11	13.23	2820.07	1.22
10419.00	89.32	2.99	7194.51	2905.02	17.08	2905.02	0.95
10505.00	90.18	2.54	7194.88	2990.92	21.23	2990.96	1.13
10590.00	90.74	3.12	7194.20	3075.81	25.42	3075.90	0.95
10675.00	90.06	0.91	7193.61	3160.75	28.41	3160.86	2.72
10761.00	90.62	2.04	7193.10	3246.72	30.63	3246.85	1.47
10846.00	91.05	2.56	7191.86	3331.64	34.04	3331.81	0.79
10931.00	91.79	1.49	7189.75	3416.56	37.04	3416.76	1.53
11016.00	91.54	0.99	7187.28	3501.50	38.88	3501.72	0.66
11102.00	90.49	0.79	7185.76	3587.48	40.21	3587.70	1.24
11187.00	90.49	2.05	7185.03	3672.45	42.32	3672.69	1.48
11272.00	89.88	1.28	7184.76	3757.41	44.79	3757.68	1.16
11356.00	89.69	1.20	7185.07	3841.39	46.61	3841.67	0.25
11442.00	91.23	1.26	7184.38	3927.36	48.45	3927.66	1.79
11515.00	90.86	1.55	7183.05	4000.33	50.24	4000.64	0.64
Projected to Total Depth:							
11570.00	90.86	1.55	7182.22	4055.30	51.73	4055.63	0.00

\*Weatherford M/LWD surveys from 907.00 ft MD to 11515.00 ft MD.\*

\*TD at 11570.00 ft MD.\*

The total correction is 8.66 deg relative to True North.



# Weatherford®

Final Print

COMPANY	<u>Anadarko</u>		
WELL	<u>Reigle 28C-4HZ</u>		
FIELD	<u>Wattenberg</u>		
RIG	<u>Xtreme 23</u>		
LOC.	<u>Colorado</u>	COUNTY	<u>Weld</u>