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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. 1.330	1.540	1.243	1.243			
Bit Start Depth	ft 896	6865	7808	7905			
Bit End Depth	ft 6865	7808	7905	12001			
Top Log Interval	ft na	6883	7728	7828			
Bottom Log Interval	ft na	7808	7905	12001			
Begin Log Time	hrs na	3:56	2:09	20:49			
Begin Log Date	DD-MMM-YY na	24-Apr-13	27-Apr-13	28-Apr-13			
End Log Time	hrs na	2:07	3:07	20:06			
End Log Date	DD-MMM-YY na	25-Apr-13	27-Apr-13	1-May-13			
Drill or Wipe	Drill	Drill	Drill	Drill			
Flow Rate	gal/min 632	608	300	300			
Max AV / CV @ MWD	ft/min 499 / 171	481 / 282	492 / 348	492 / 365			
Min Inc @ Depth	deg @ ft 0.41 @ 1004	0.45 @ 6865	80.88 @ 7748	87.16 @ 11596			
Max Inc @ Depth	deg @ ft 17.67 @ 4279	80.88 @ 7748	80.88 @ 7748	92.22 @ 8095			
MUD DATA							
Depth	ft 6865	7808	7905	12001			
Fluid Type	WBM	WBM	WBM	WBM			
Mud Weight	ppg 8.50	9.50	9.80	9.80			
Plastic Viscosity	cP 1	6	11	12			
Solids / Sand	% 1.0 / 0.7	5.2 / 0.5	6.2 / 0.25	5.7 / 0.40			
NaCl Equiv. Chlorides	ppm 3630	3795	5775	4500			
pH	11.8	9.0	8.0	8.5			
Oil:Water Ratio	% Vol 1.0 : 99.0	5.5 : 94.5	1.5 : 98.5	3.0 : 97.0			
Rm @ Temperature	ohm-m @ deg F na	na	1.60 @72°F	1.50 @72°F			
Rmc @ Temperature	ohm-m @ deg F na	na	1.40 @72°F	1.31 @72°F			
Rmf @ Temperature	ohm-m @ deg F na	na	1.37 @72°F	1.29 @72°F			
KCl	% Vol 0	0	0	0			
Client Representative	R. McPeters	R. McPeters	R. McPeters	R. McPeters			
WeatherfordLWD Engineer	D. Palmer	D. Palmer	T. Daily	T. Daily			

EQUIPMENT SUMMARY

M/LWD Run Number	1	2	3	4	
BTR / CDS Serial Number	44702 / 44736	44702 / 44736	na	na	
Battery Serial Number	403467909	403467909	na	na	
Gamma Ray Serial Number	na	2978	na	na	
CMS Serial Number	1592	1592	na	na	
Pulser Serial Number	18705	18705	na	na	
HEL Serial Number	na	na	NW131108PDSBI4.75	NW131110PDSBI4.75	
MFR Serial Number	na	na	NW131107RBBK4.75	NW131107RBBK4.75	
SAGR Serial Number	na	na	NW131109JB4.75	NW131109JB4.75	
Sensor to Bit Offsets / Acquisition Rates					
Directional	ft / sec	58.07 / RT	57.29 / RT	51.40 / RT	51.48 / RT
Spectral Gamma Ray	ft / sec	na	43.08 / 5	36.87 / 5	36.87 / 5
Resistivity	ft / sec	na	na	79.73 / 5	79.83 / 5
Other Information					
Total BHA Length	ft	115.07	115.37	102.73	102.83
BHA Assembly Type		Steerable	Steerable	Steerable	Steerable
Stabilizer Location	ft	na	na	28.76	28.73
Stabilizer Location	ft	na	na	97.54	97.50
Run Circulating Time	hr	35.93	19.90	3.62	87.04
Run Drilling Time	hr	21.96	8.42	0.58	41.71

MUD SUMMARY

Date and Time	Run	Bit Depth	Mud Weight	% K	Rm @ Temp	Rmf @ Temp	Rmc @ Temp	BHCT
23 Apr 13 @ 21:30	01	6865 ft	8.50 ppg	0	na	na	na	128° F
25 Apr 13 @ 10:45	02	7808 ft	9.50 ppg	0	na	na	na	170° F
27 Apr 13 @ 09:00	03	7905 ft	9.80 ppg	0	1.60 @ 72°F	1.40 @ 72°F	1.37 @ 72°F	163° F
02 May 13 @ 03:45	04	12001 ft	9.80 ppg	0	1.50 @ 72°F	1.31 @ 72°F	1.29 @ 72°F	226° F

M/LWD RUN REMARKS

Run Number: 2 :: RECORDED DATA LOG

WFT Services Provided:

Recorded and Real Time Logging: Gamma Ray and Temperature.

Directional Services: On demand Inclination and Azimuth.

Borehole and Environmental Correction:

Hole Size: 8.750 in.

Gamma Ray: Hole size, mudweight, Collar O.D., Collar I.D. and K1 factor.

Mud Weight: 9.50 ppg

Collar O.D.: 6.750 in.

K1 Factor: 3.179

Collar I.D.: 3.250 in.

Run Number: 3 :: RECORDED DATA LOG

WFT Services Provided:

Recorded and Real Time Logging: Spectral Azimuthal Gamma Ray, Deep and Shallow Resistivity, and Temperature.

Directional Services: On demand Inclination and Azimuth.

Borehole and Environmental Correction:

Hole Size: 6.125 in.

Gamma Ray: Corrected for mud weight, hole size and KCl concentration.

Mud Weight: 9.80 ppg

Resistivities: Corrected for borehole temperature, hole size, drilling fluid resistivity and dielectric correction.

Borehole Temperature: 163° F

Drilling Fluid Resistivity: 0.742 ohm-m @ 163° F

KCl Concentration: 0%

Run Number: 4 :: RECORDED DATA LOG

WFT Services Provided:

Recorded and Real Time Logging: Spectral Azimuthal Gamma Ray, Deep and Shallow Resistivity, and Temperature.

Directional Services: On demand Inclination and Azimuth.

Borehole and Environmental Correction:

Hole Size: 6.125 in.

Gamma Ray: Corrected for mud weight, hole size and KCl concentration.

Mud Weight: 9.80 ppg

Resistivities: Corrected for borehole temperature, hole size, drilling fluid resistivity and dielectric correction.

Borehole Temperature: 190° F

Drilling Fluid Resistivity: 0.541 ohm-m @ 226° F

KCl Concentration: 0%

M/LWD LOG COMMENTS

Comment No. 1-1

MWD Drilling Run 01

Start of MWD Drilling Run 01

Weatherford International provided 6 3/4 in. Directional services for Run 01. No Logging Performed.

Run 01 ended formation drilling April 23, 2013 at 16:53 at 6925 MD / 6793 TVD.

Comment No. 2-1

RECORDED 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 April 24, 2013 at 3:56 at 6925 MD / 6793 TVD. Weatherford International logged the 8.750 in. borehole.

The WBM at the start of drilling was 8.50 ppg.

Comment No. 2-2

End of MWD Drilling Run 02

Run 02 ended drilling formation April 25, 2013 at 2:07 at 7808 MD / 7397 TVD.

The WBM at the end of drilling was 9.50 ppg.

Comment No. 3-1

RECORDED DATA LOG

Start of LWD Drilling Run 03

Weatherford International provided 4 3/4 in. Directional, Resistivity, Azimuthal Gamma Ray, and Temperature for Run 03.

Run 03 started formation drilling April 27, 2013 at 2:09 at 7808 MD / 7397 TVD. Weatherford International logged the 6.125 in. borehole.

The WBM at the start of drilling was 9.80 ppg.

Comment No. 3-2

End of LWD Drilling Run 03

Run 03 ended drilling formation April 27, 2013 at 3:07 at 7905 MD / 7398 TVD.

The WBM at the end of drilling was 9.80 ppg.

Comment No. 4-1

RECORDED DATA LOG

Start of LWD Drilling Run 04

Weatherford International provided 4 3/4 in. Directional, Resistivity, Azimuthal Gamma Ray, and Temperature for Run 04.

Run 04 started formation drilling April 28, 2013 at 20:49 at 7905 MD / 7398 TVD. Weatherford International logged the 6.125 in. borehole.

The WBM at the start of drilling was 9.80 ppg.

Comment No. 4-2

End of LWD Drilling Run 04

Run 04 ended drilling formation May 1, 2013 at 20:06 at 12001 MD / 7426 TVD.

The WBM at the end of drilling was 9.80 ppg.

CURVE SPECIFICATIONS

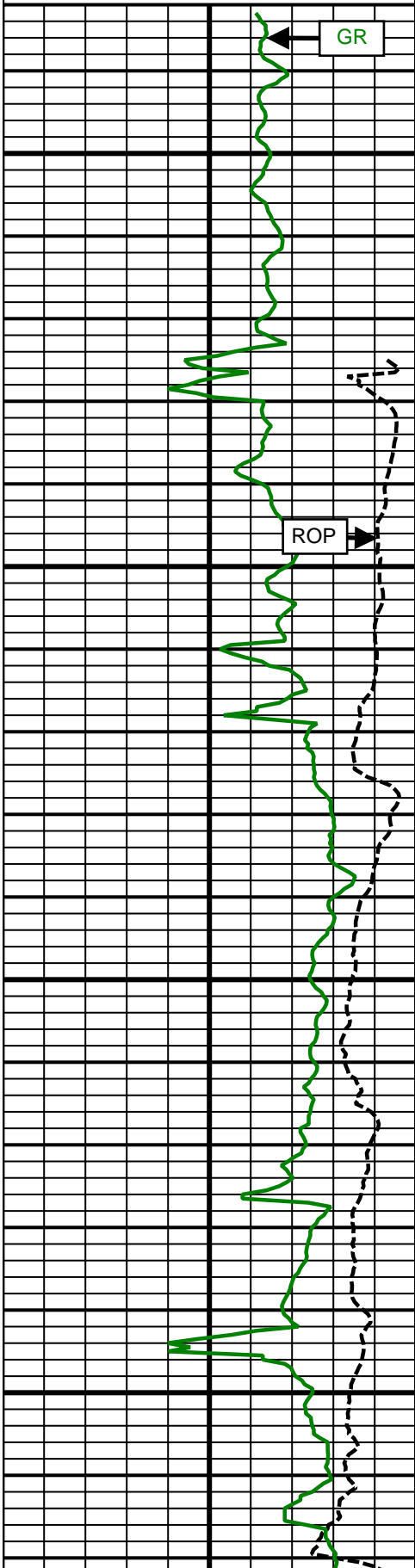
CURVE TYPE	MNEMONIC	UNITS	COMMENTS	CORRECTIONS
Rate of Penetration	ROP	fph	Rate of Penetration 3.0 ft window 0.5 ft Exponential Smoothing	None
Gamma Ray	GR	AAPI	Gamma Ray 3.0 ft window 0.5 ft Exponential Smoothing	See M/LWD Run Remarks
Gamma Ray Up	GR UP	AAPI	Recorded Azimuthal Gamma Ray 3.0 ft window 0.5 ft Exponential Smoothing	
Gamma Ray Down	GR DN	AAPI	Recorded Azimuthal Gamma Ray 3.0 ft window 0.5 ft Exponential Smoothing	
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	
Deep Phase Conductivity	CPD2	mmho/m	2 MHz Deep Phase Conductivity 3.0 ft window 0.5 ft Exponential Smoothing	
Uranium Total	SGUT	ppm	Uranium Concentration 3.0 ft window 0.5 ft Exponential Smoothing	
Thorium Total	SGTT	ppm	Thorium Concentration 3.0 ft window 0.5 ft Exponential Smoothing	
Potassium Total	SGKT	%	Potassium Concentration 3.0 ft window 0.5 ft Exponential Smoothing	

5 Inch - Measured Depth

1000	ROP	0
	(fph)	
	GR	
0	(AAPI)	150
	GR_UP	
0	(AAPI)	150
	GR_DN	
0	(AAPI)	150

0.2	RPD2	2000
	(ohm-m)	
	RAD2	
0.2	(ohm-m)	2000
	RAD4	
0.2	(ohm-m)	2000
	RPS2	
0.2	(ohm-m)	2000

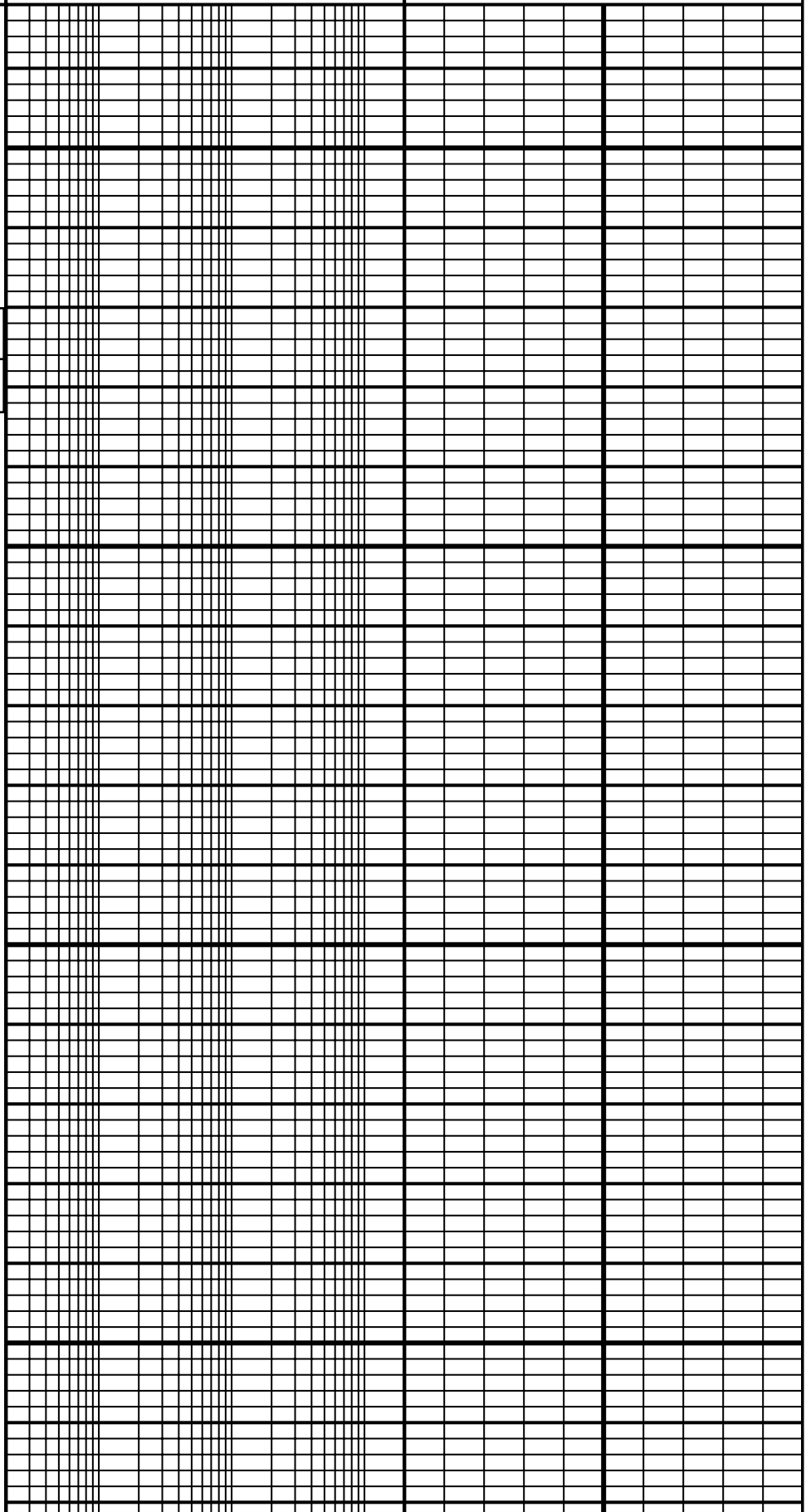
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	(ppm)	
	SGTT	
0	(ppm)	40
	SGKT	
0	(%)	10



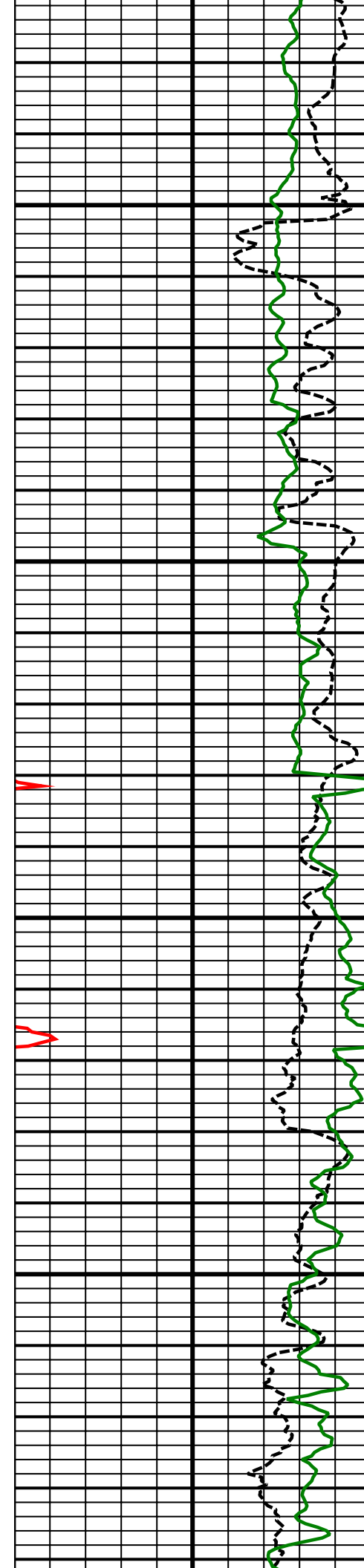
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Comment No. 1-1

Comment No. 2-1

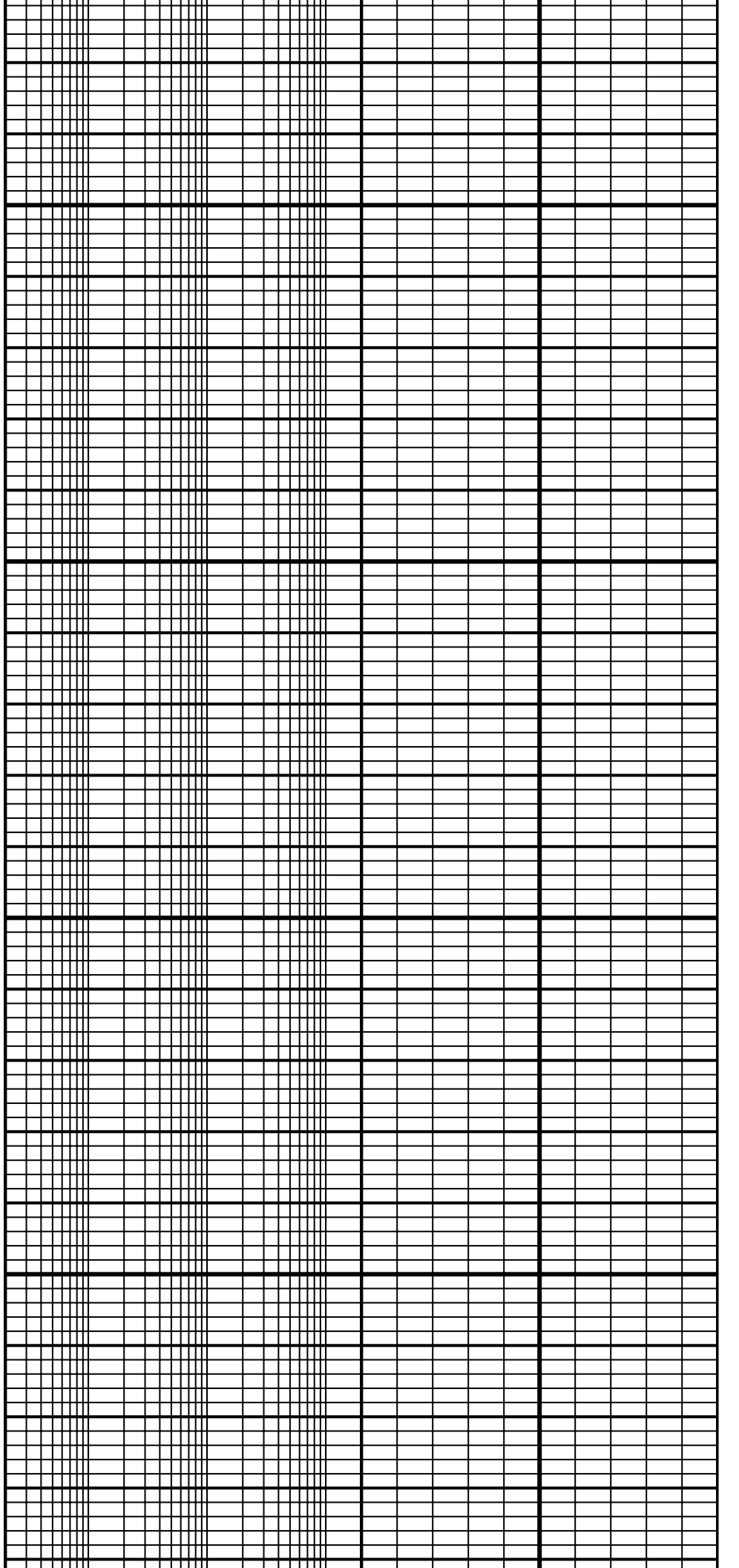


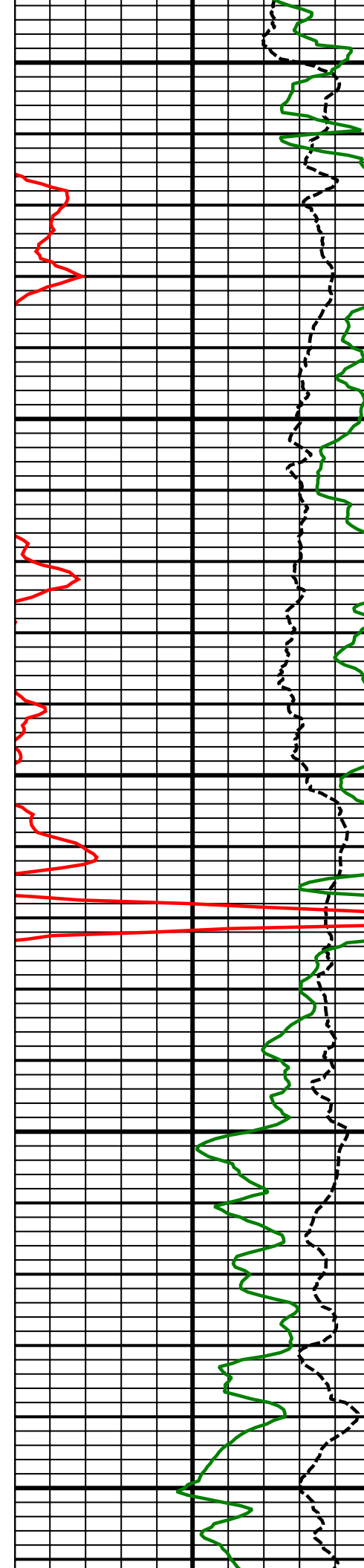
7000 MD



7100
MD

7200
MD

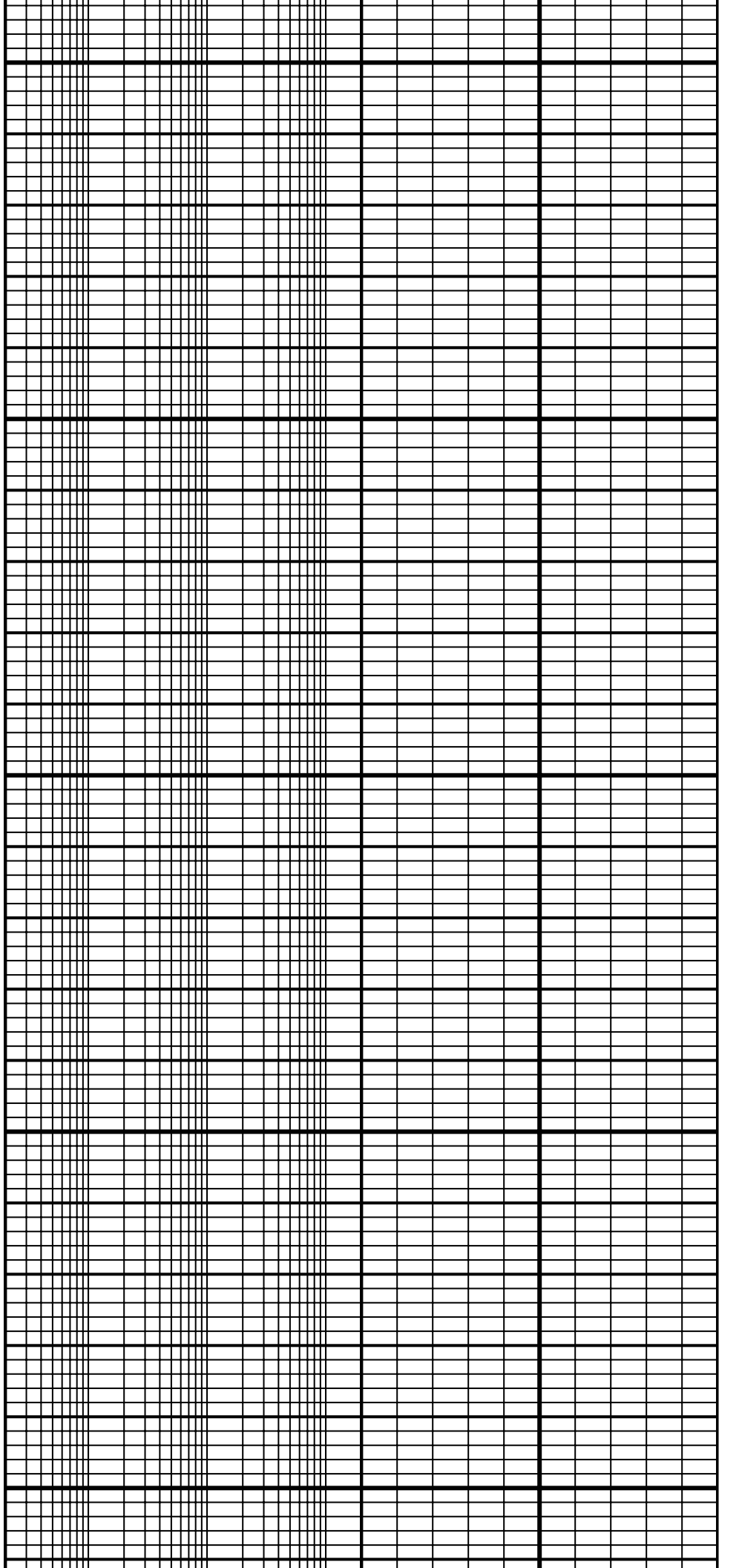


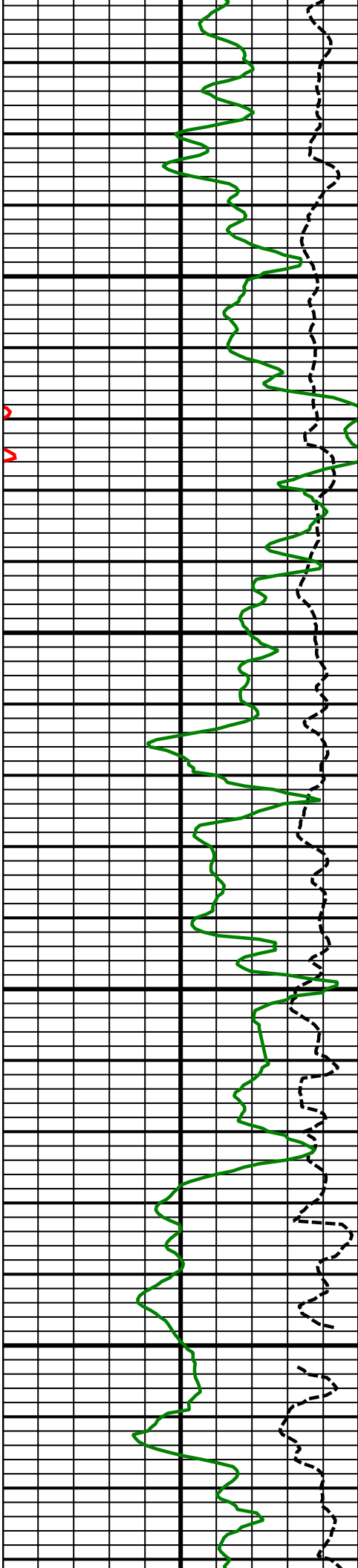


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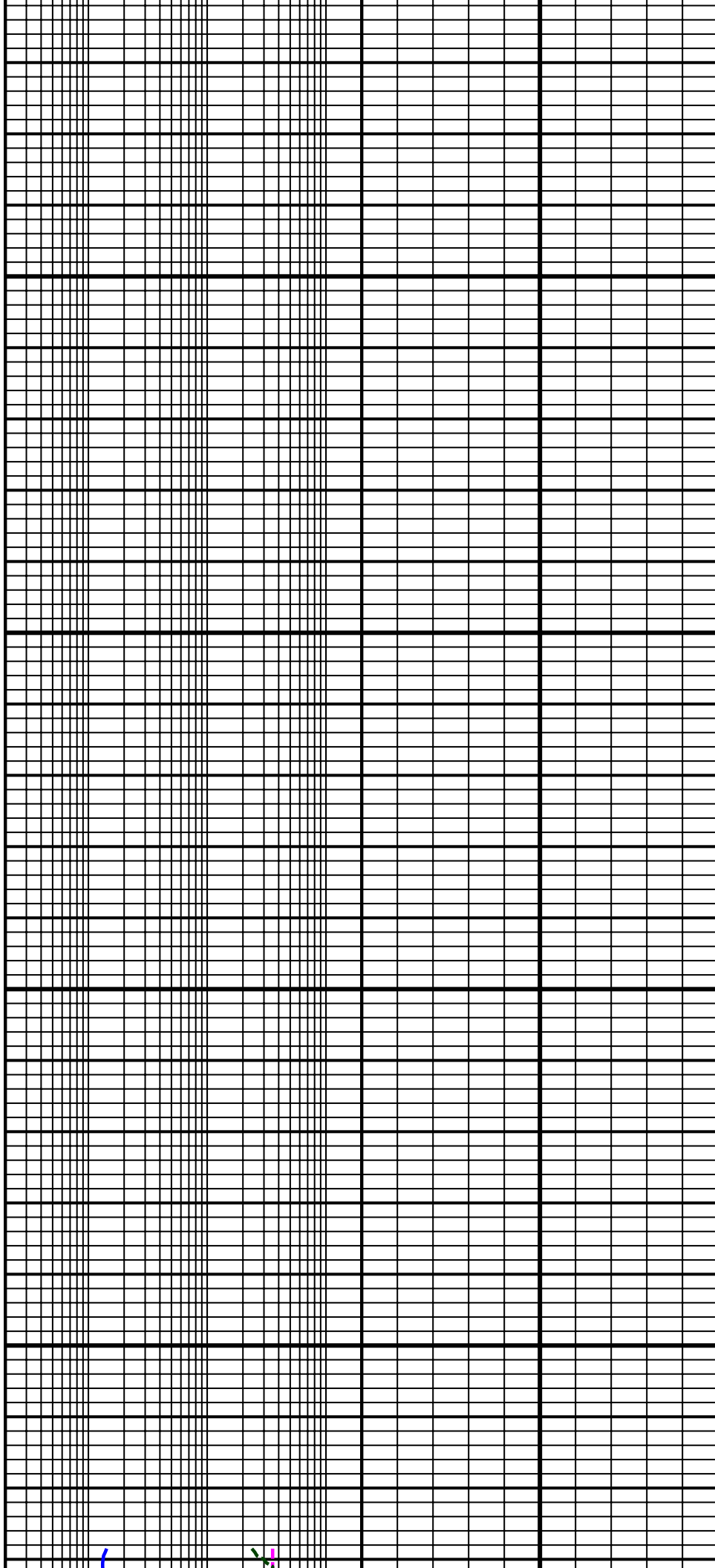
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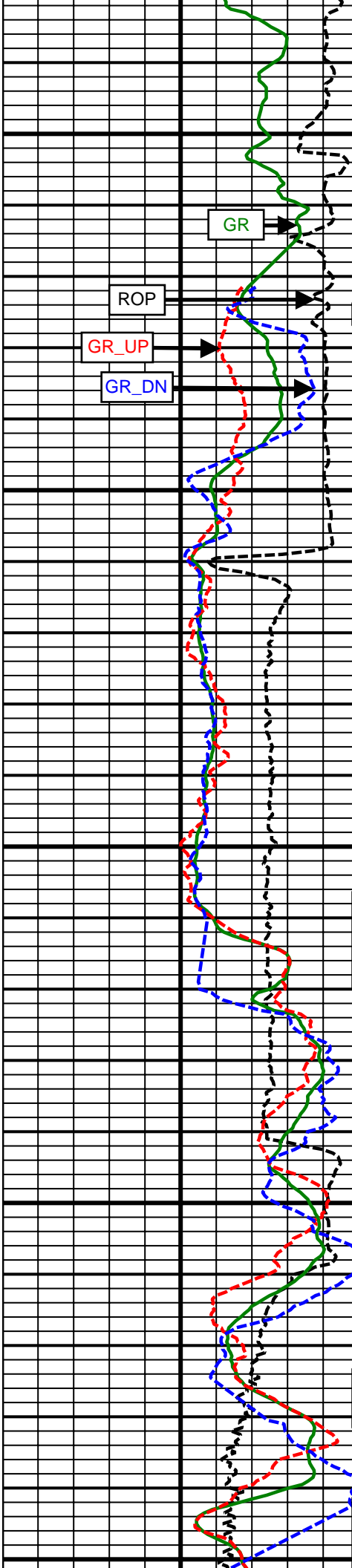




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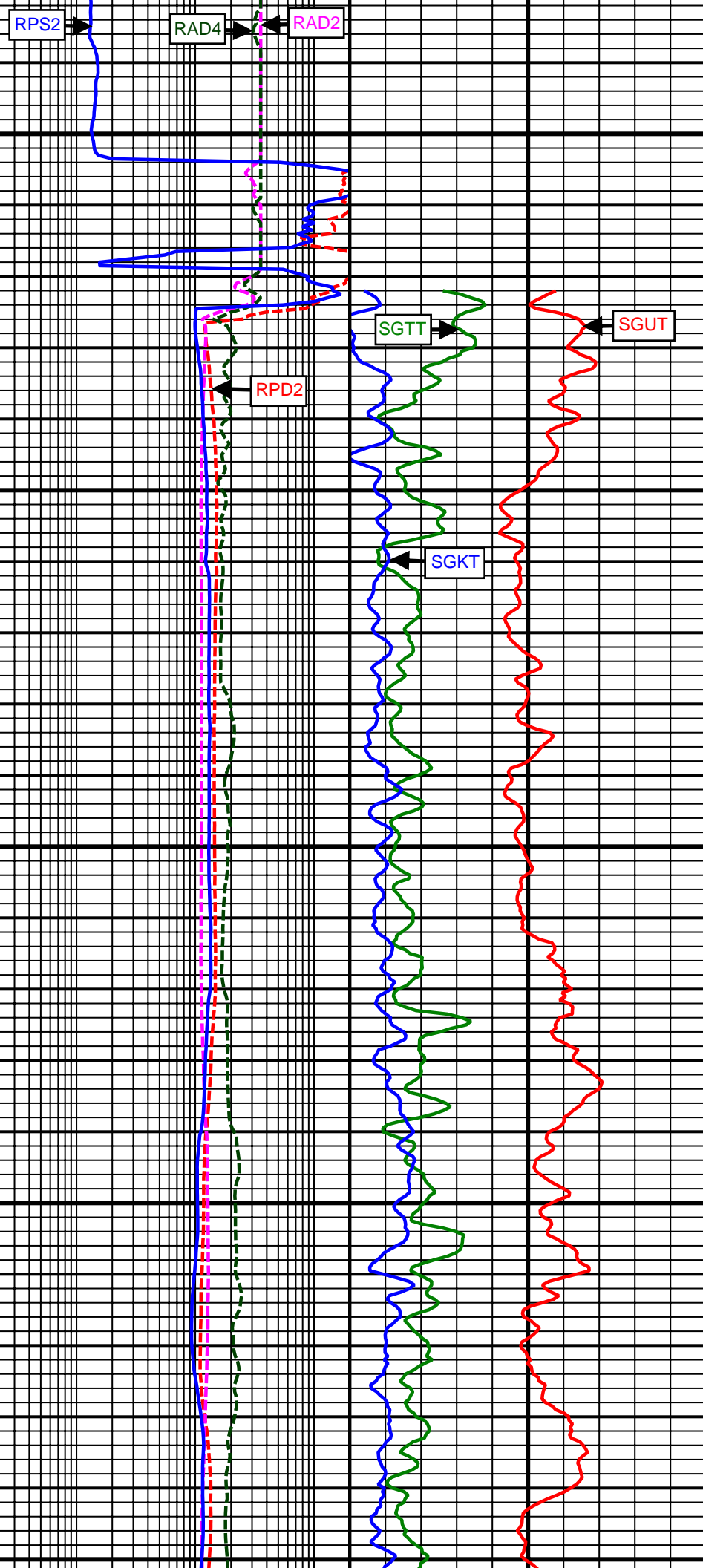
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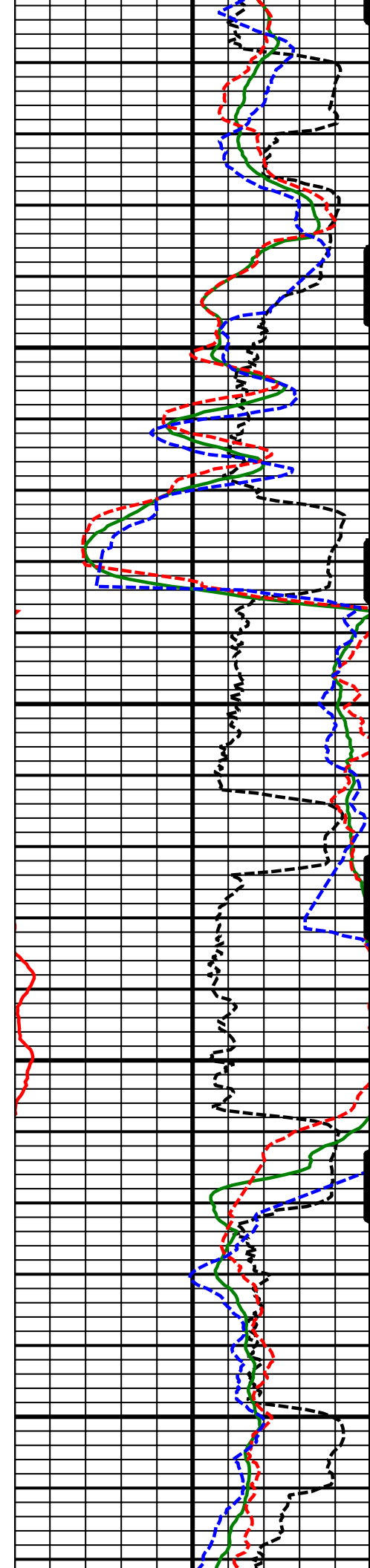




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Casing
Comment
No. 3-1

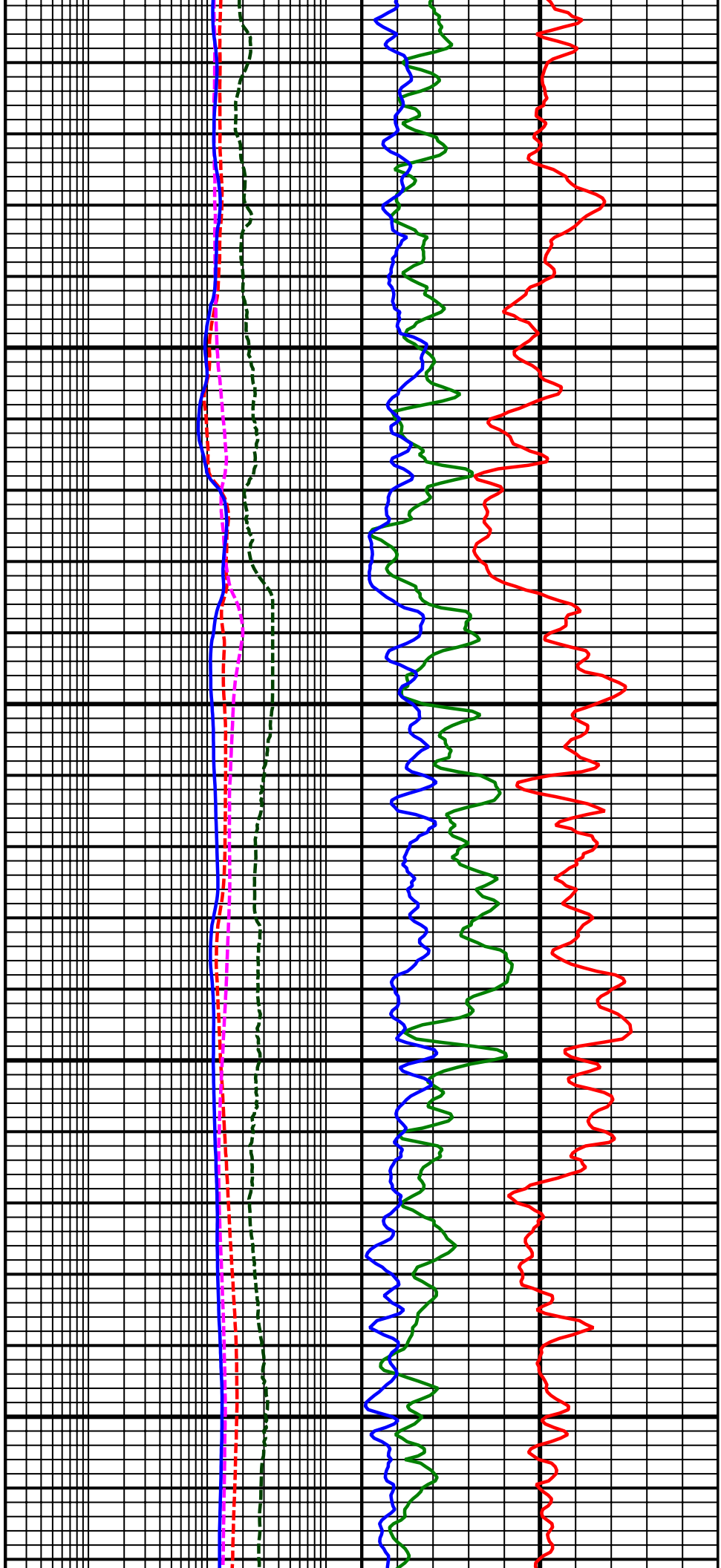
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No. 3-2
Comment
No. 4-1

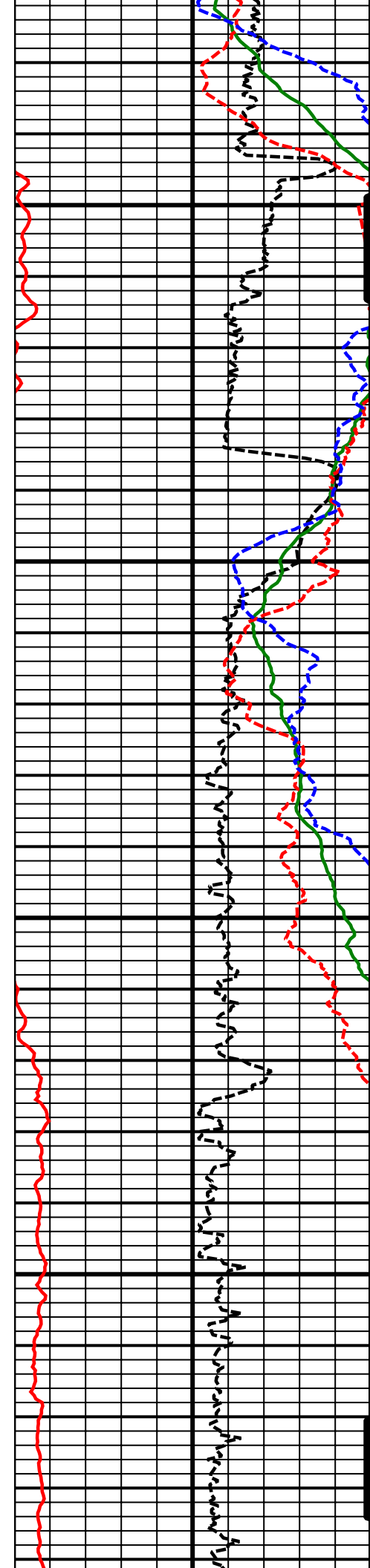




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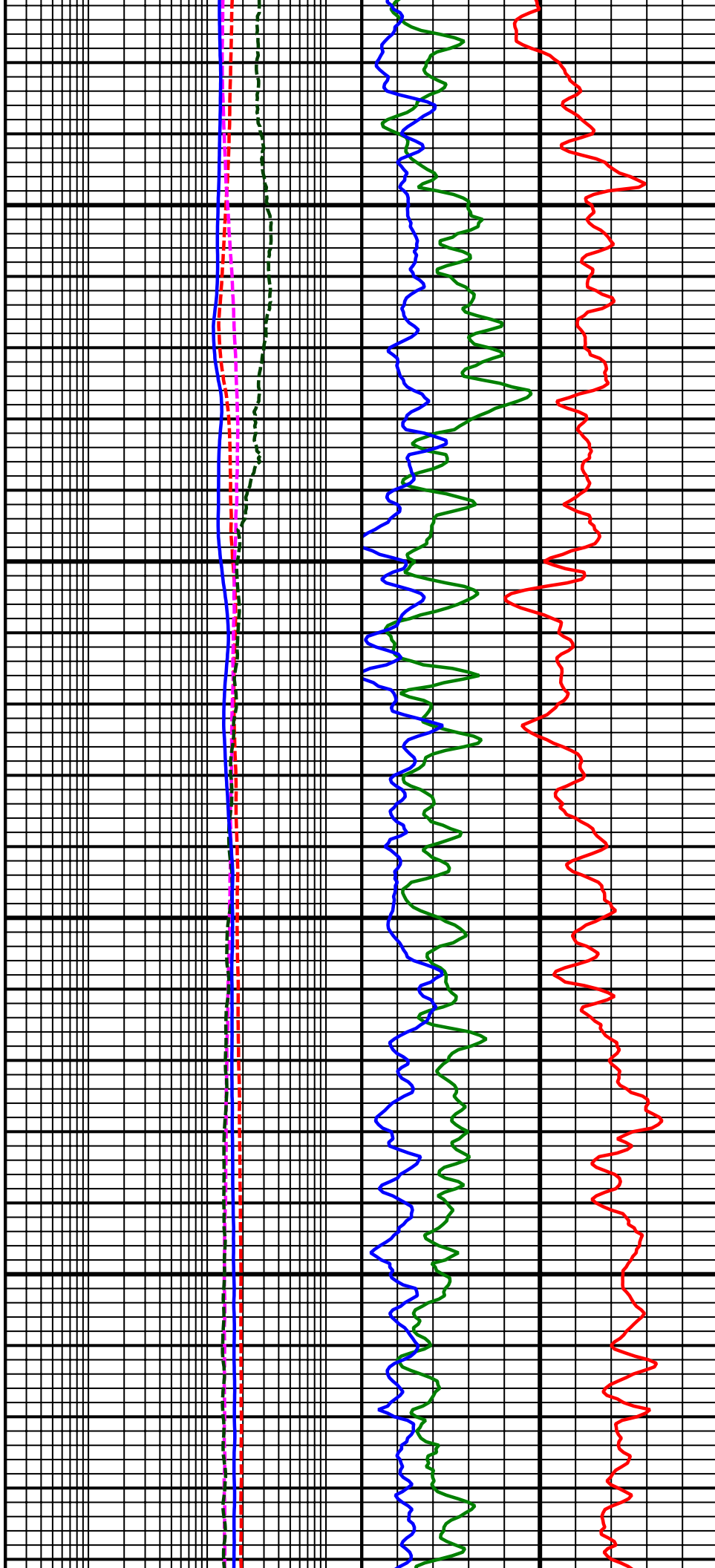
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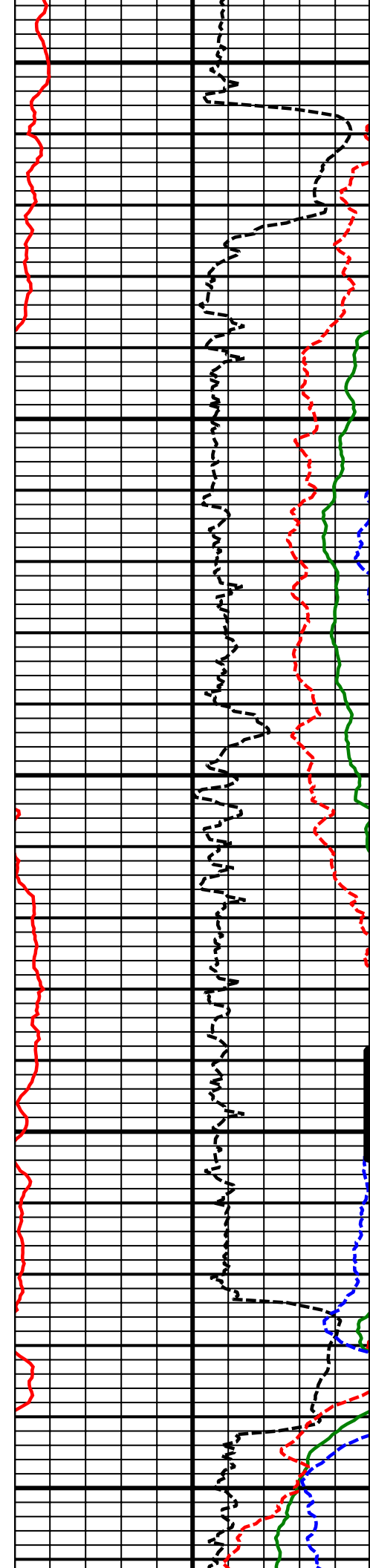




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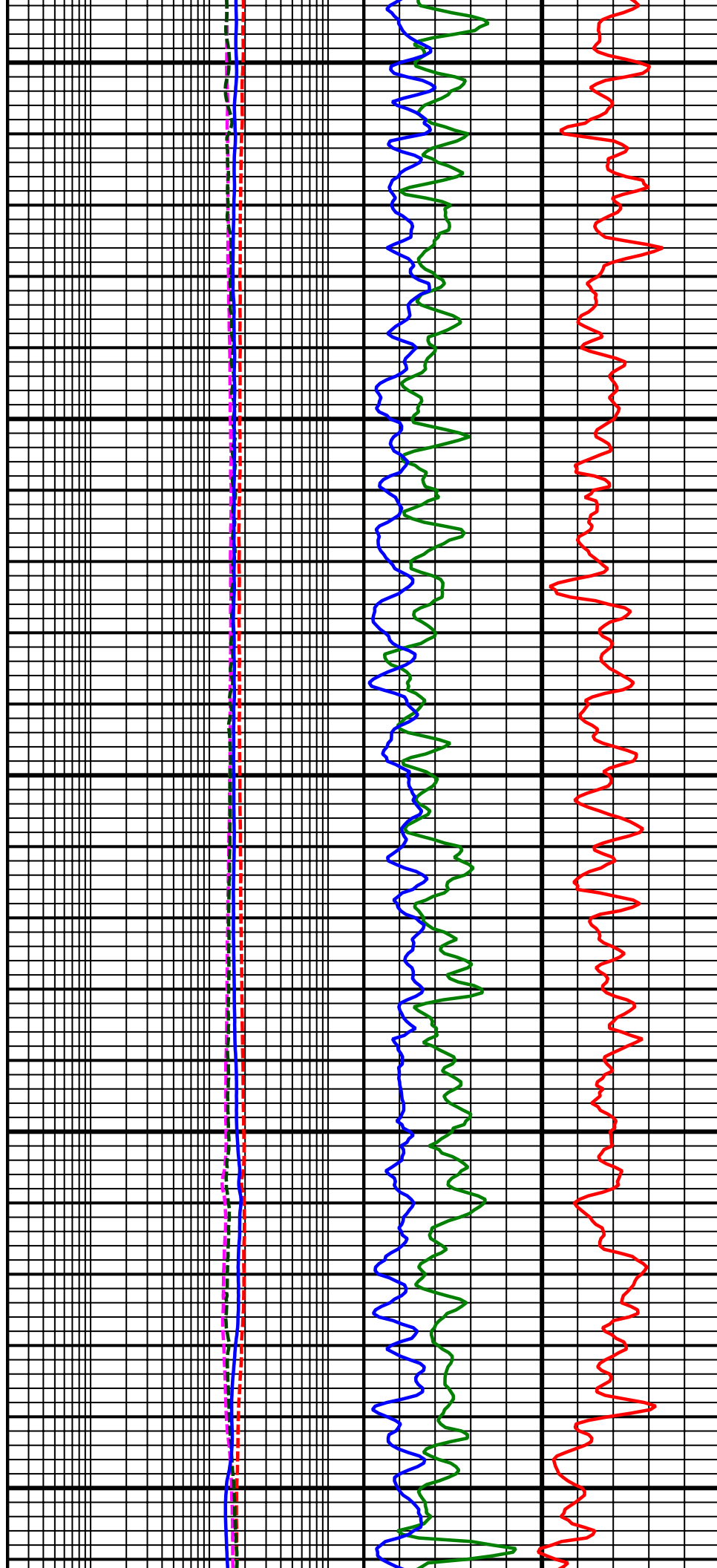


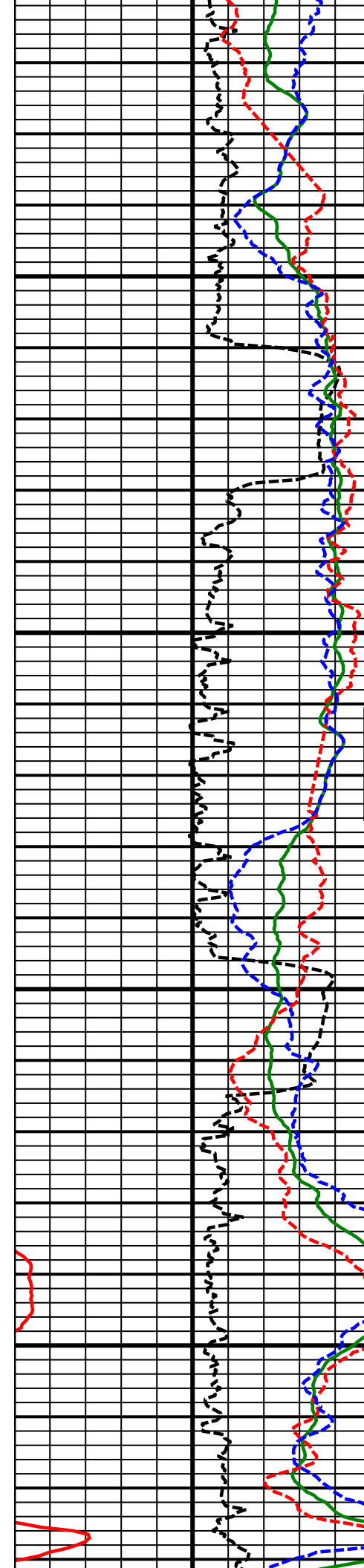


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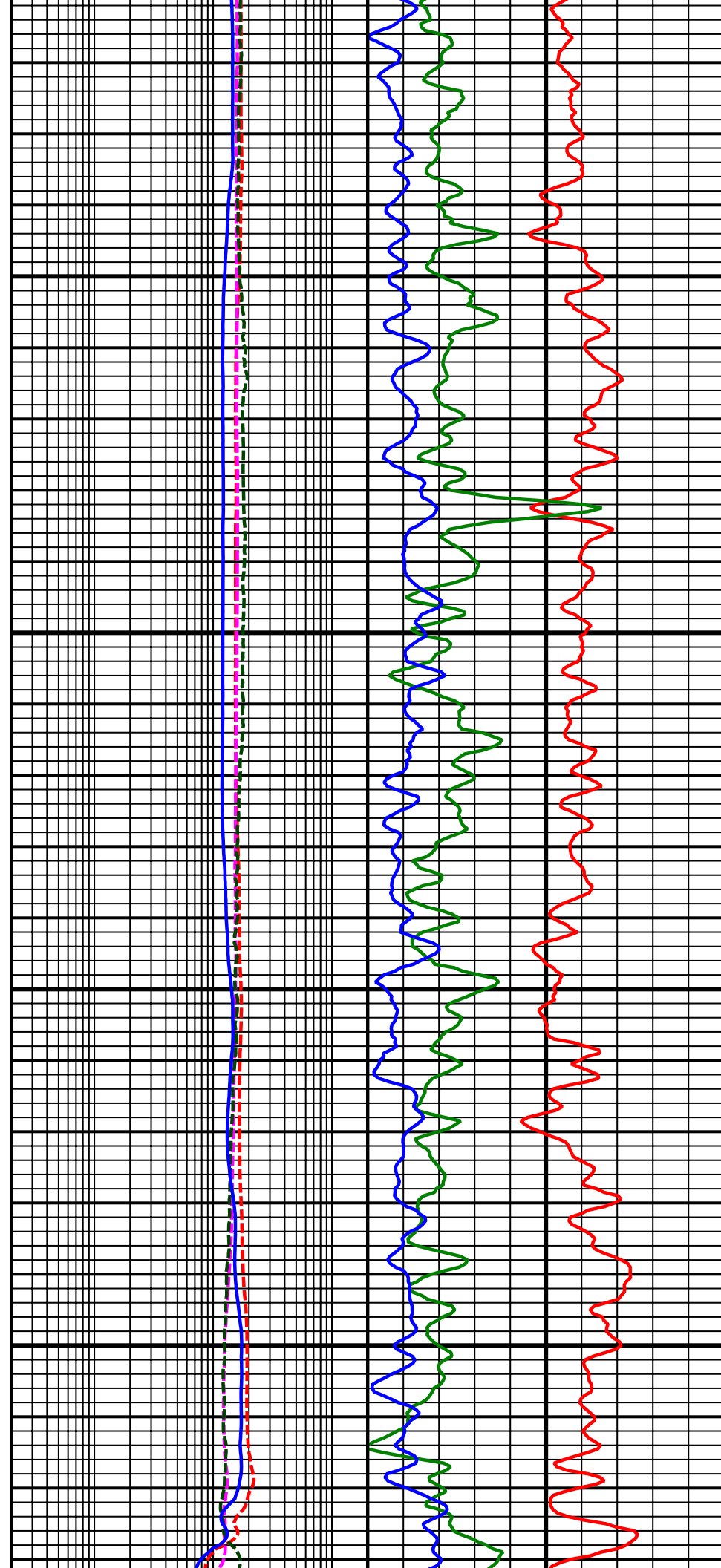
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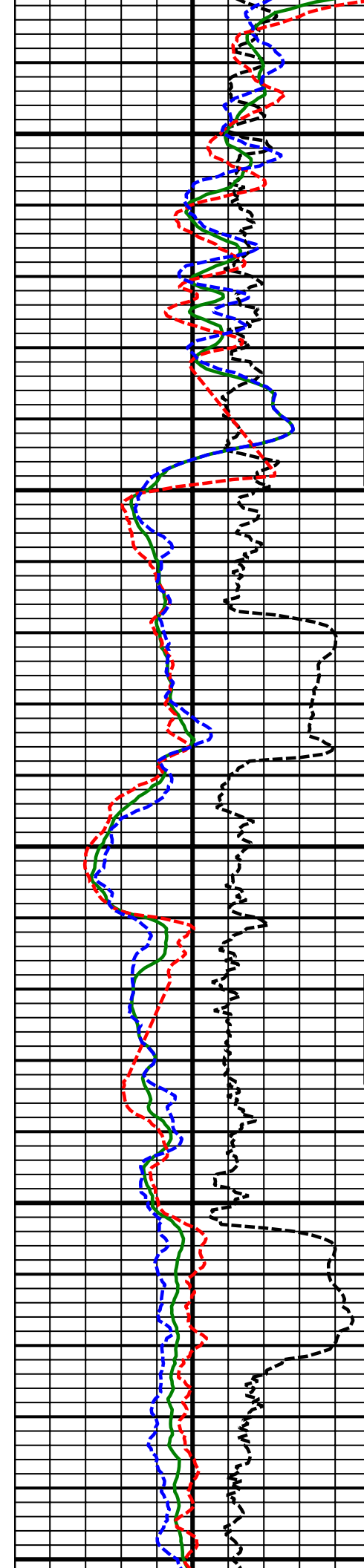




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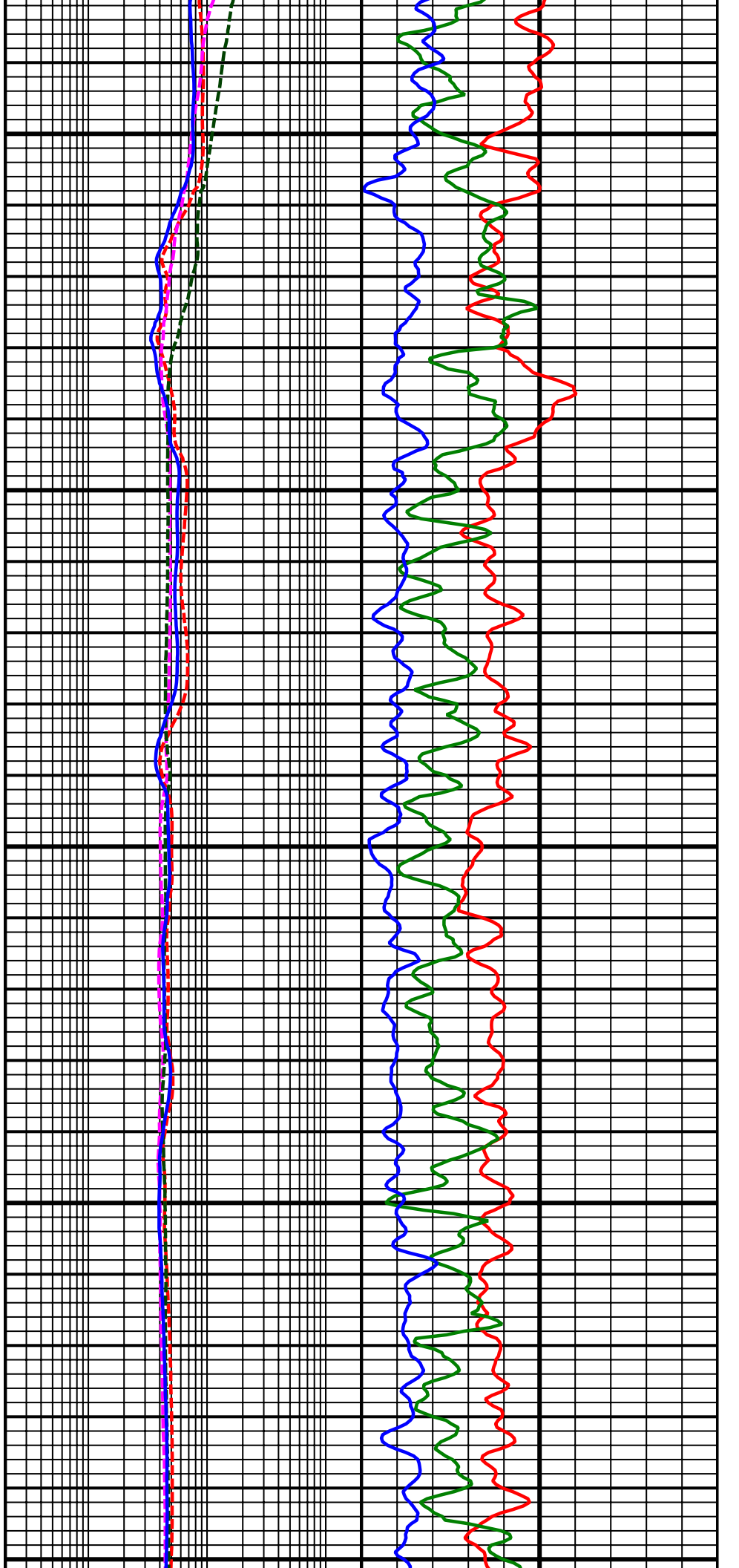
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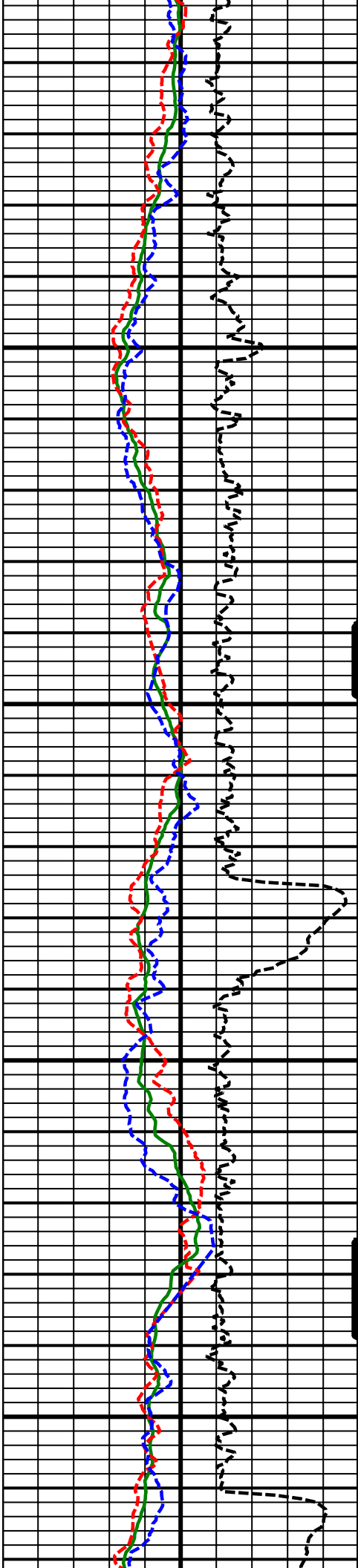




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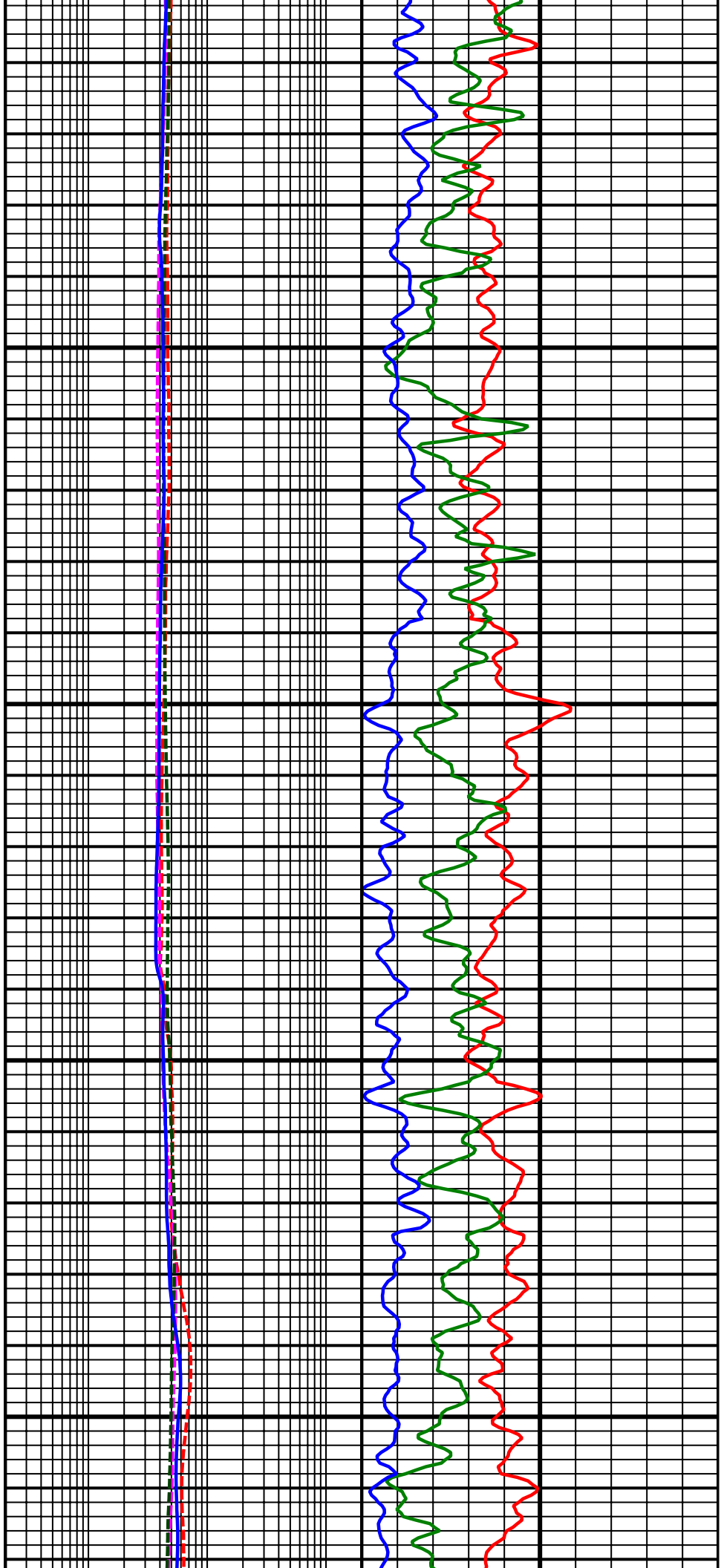
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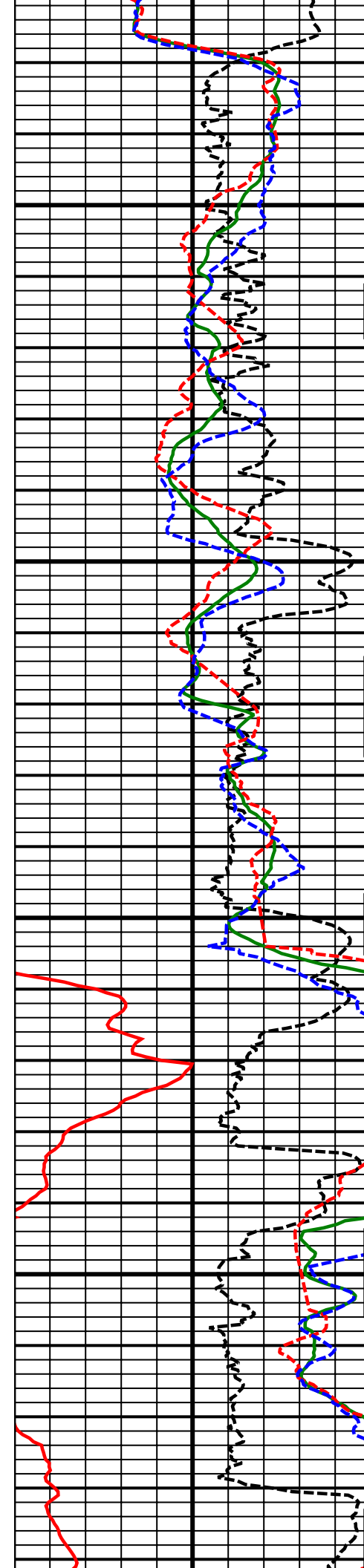




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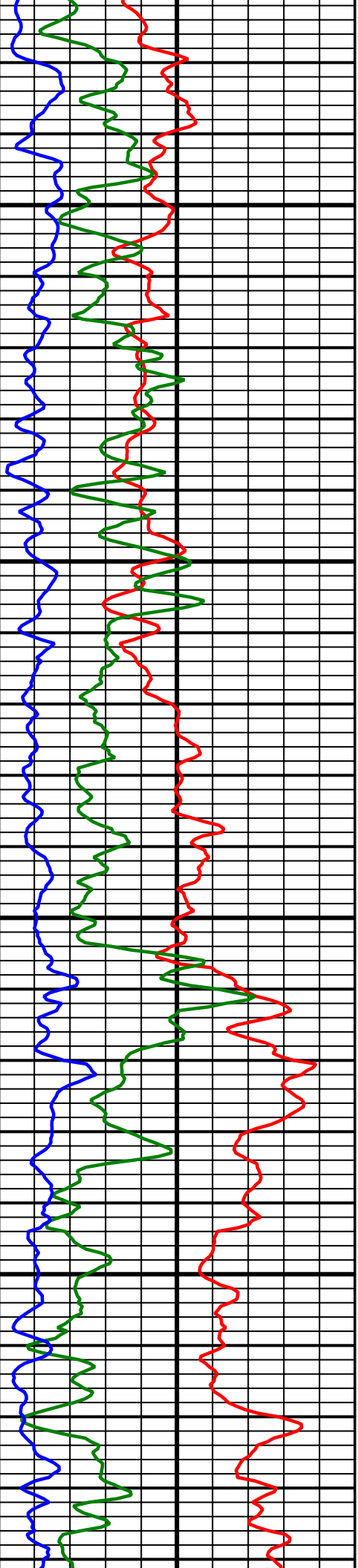
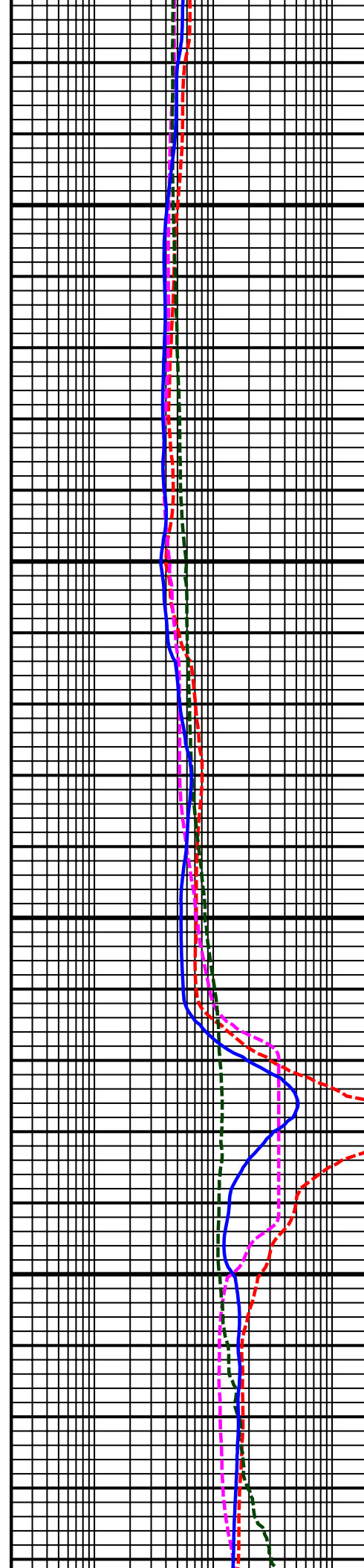
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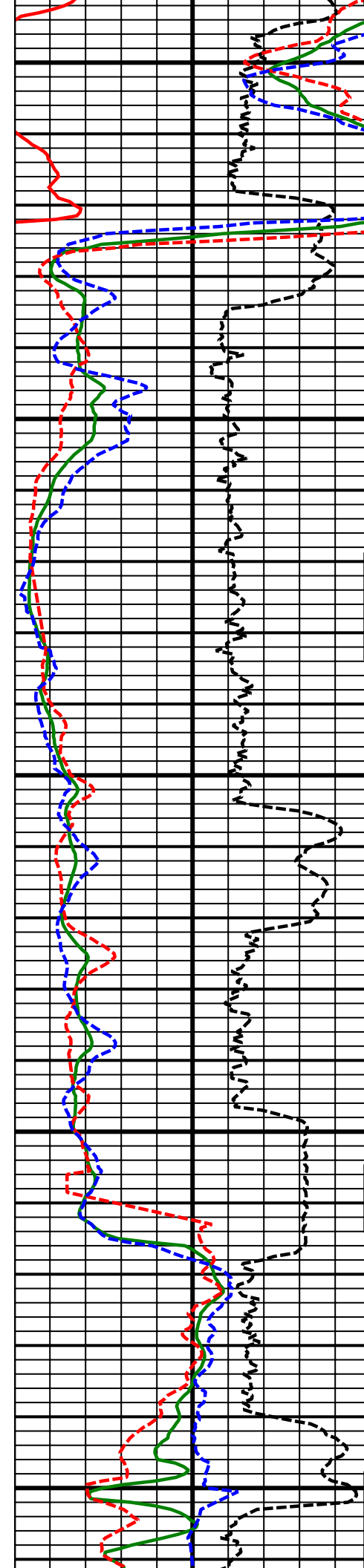




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9400
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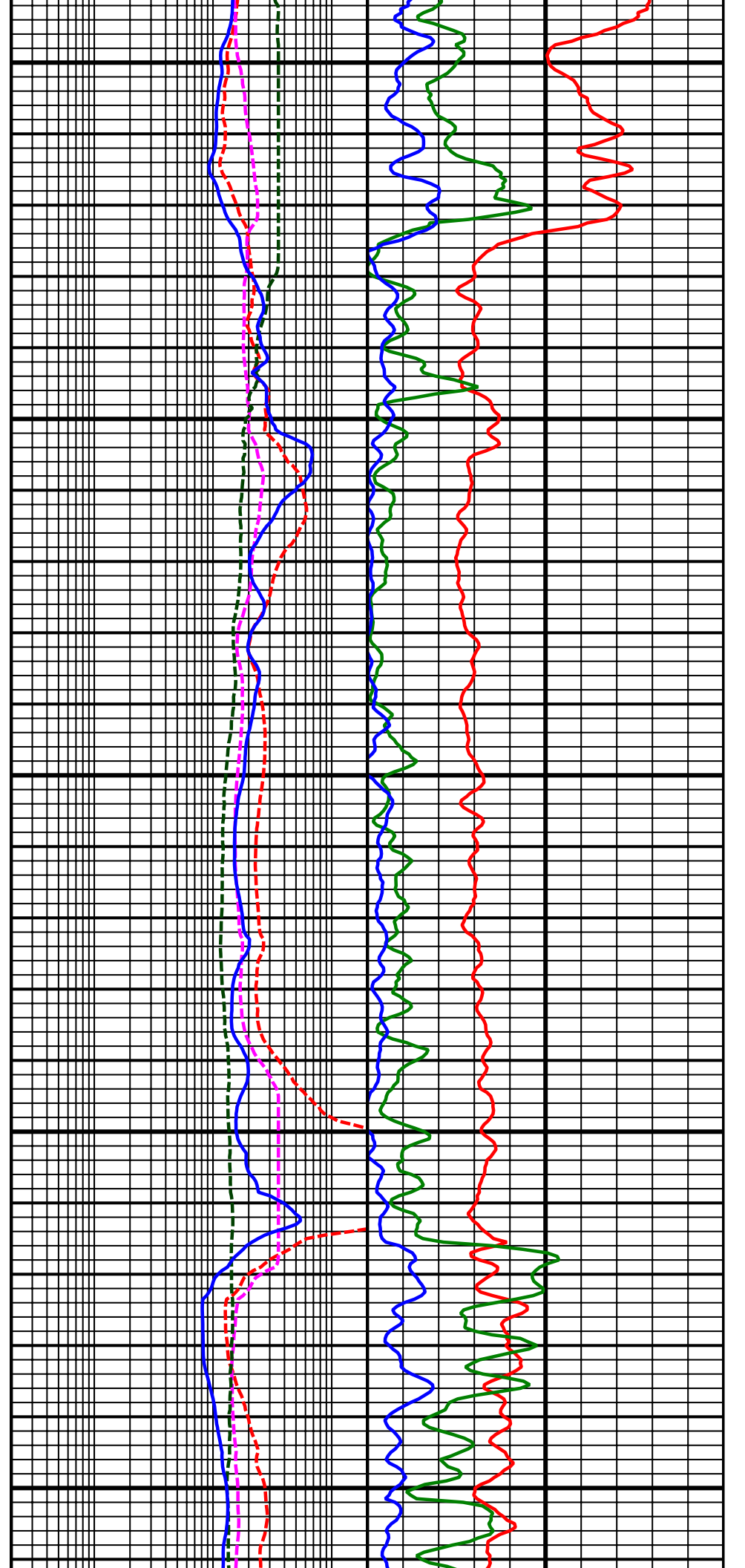


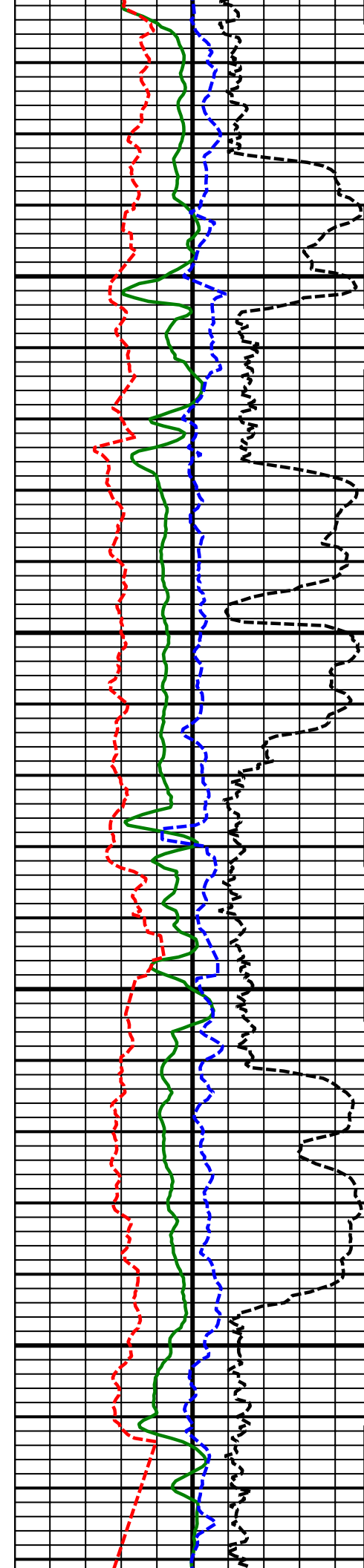


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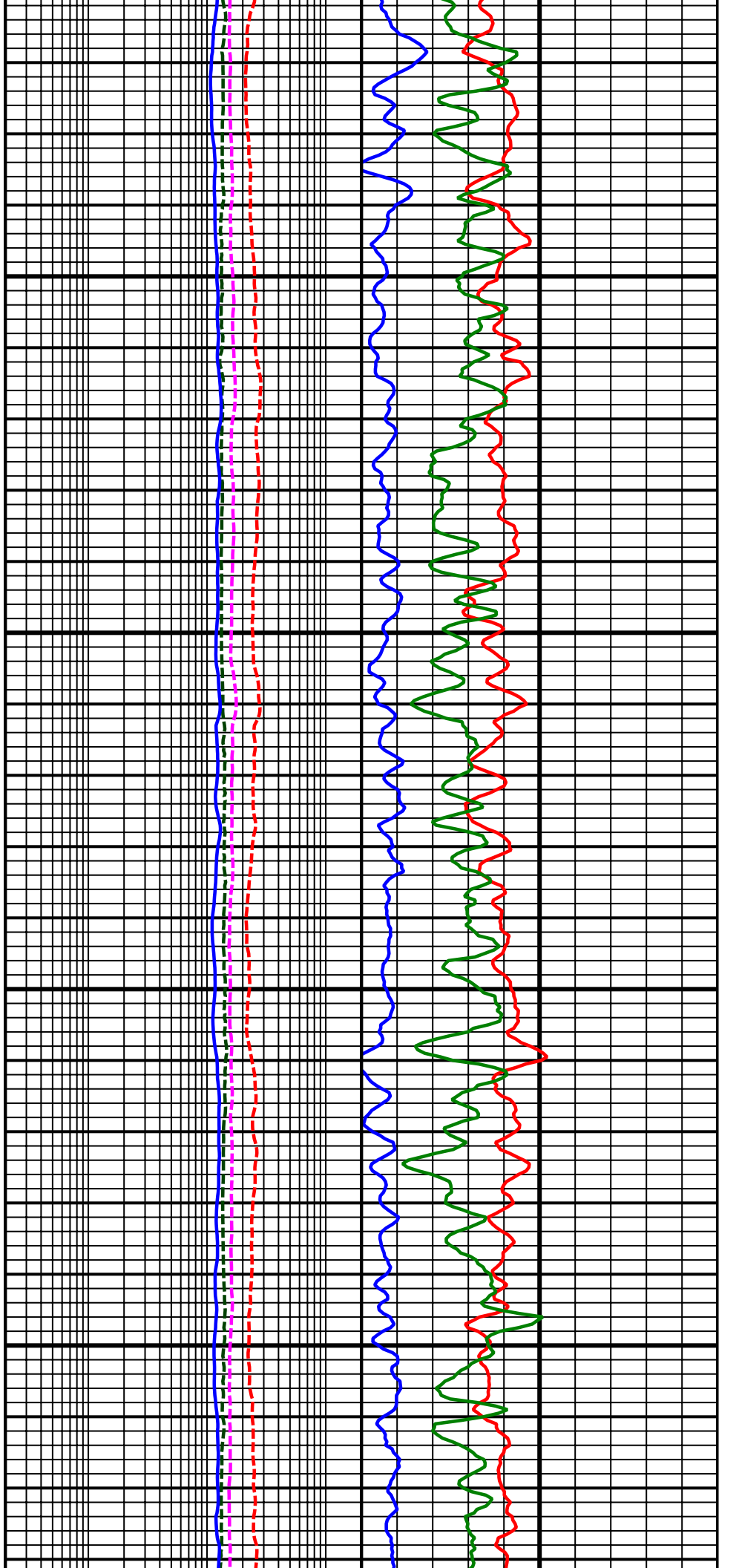
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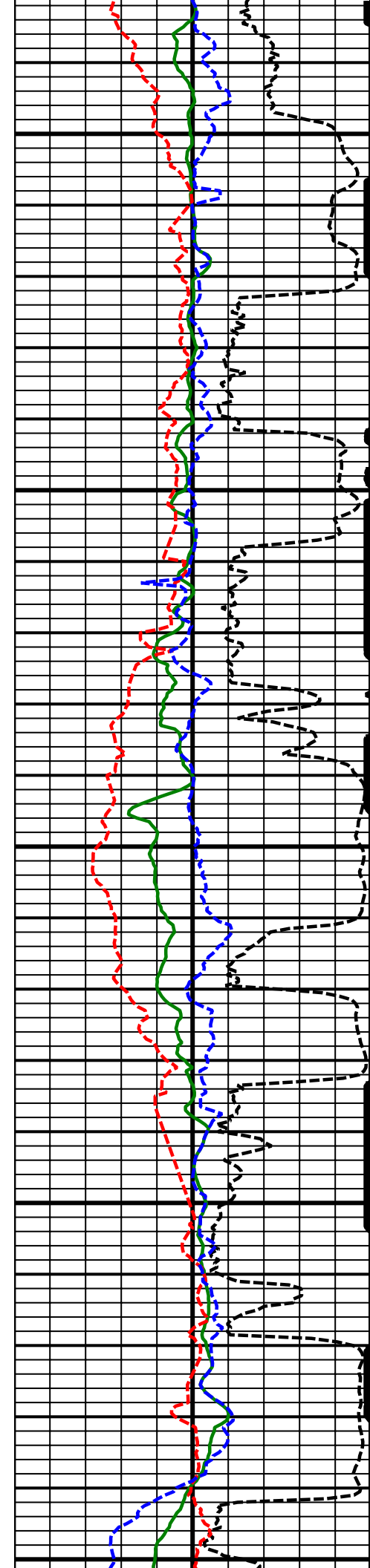




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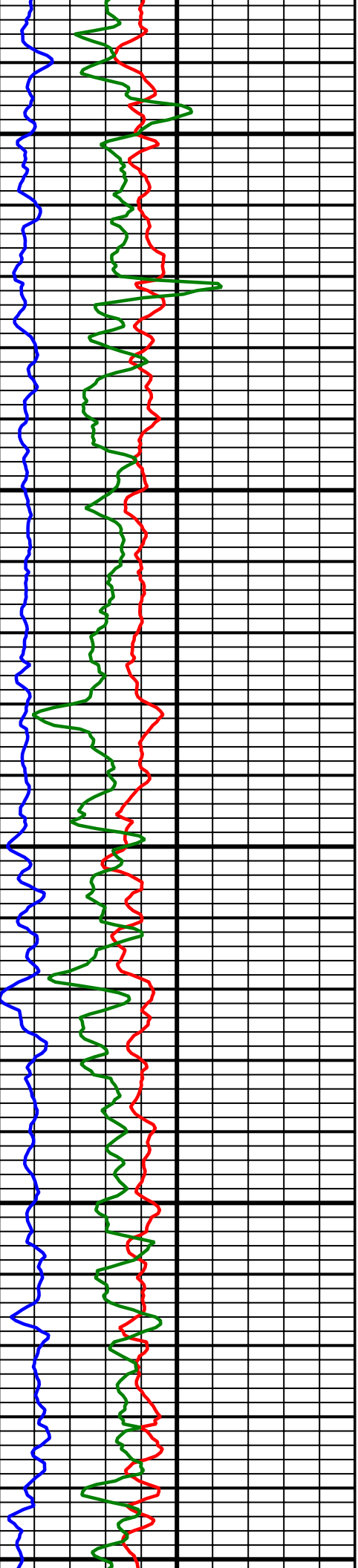
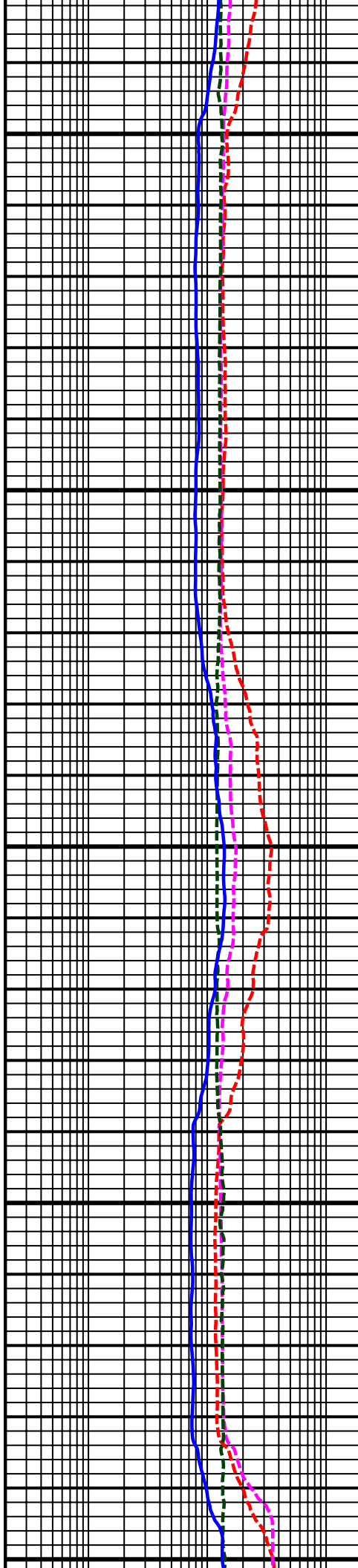
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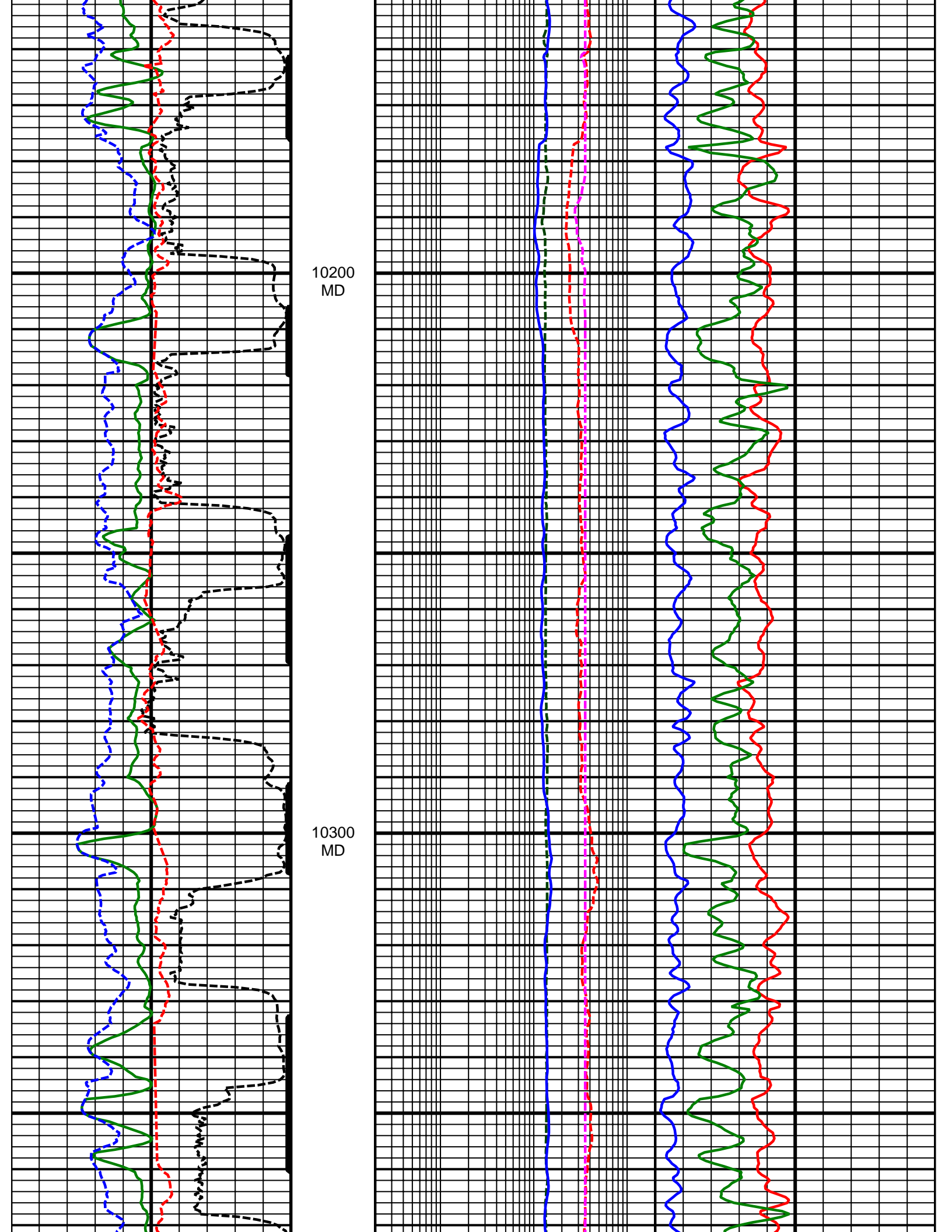


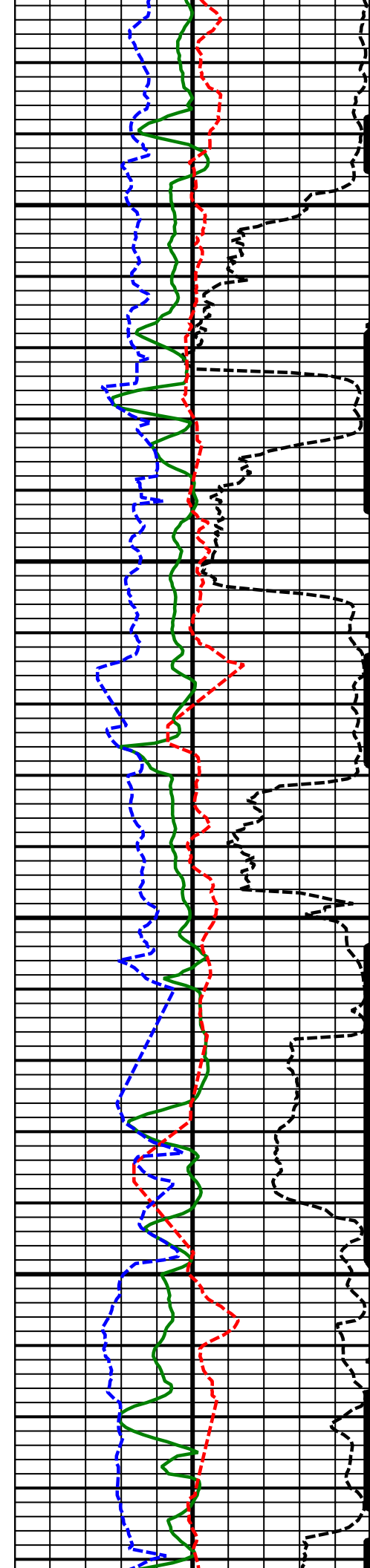


10000 MD

10100 MD

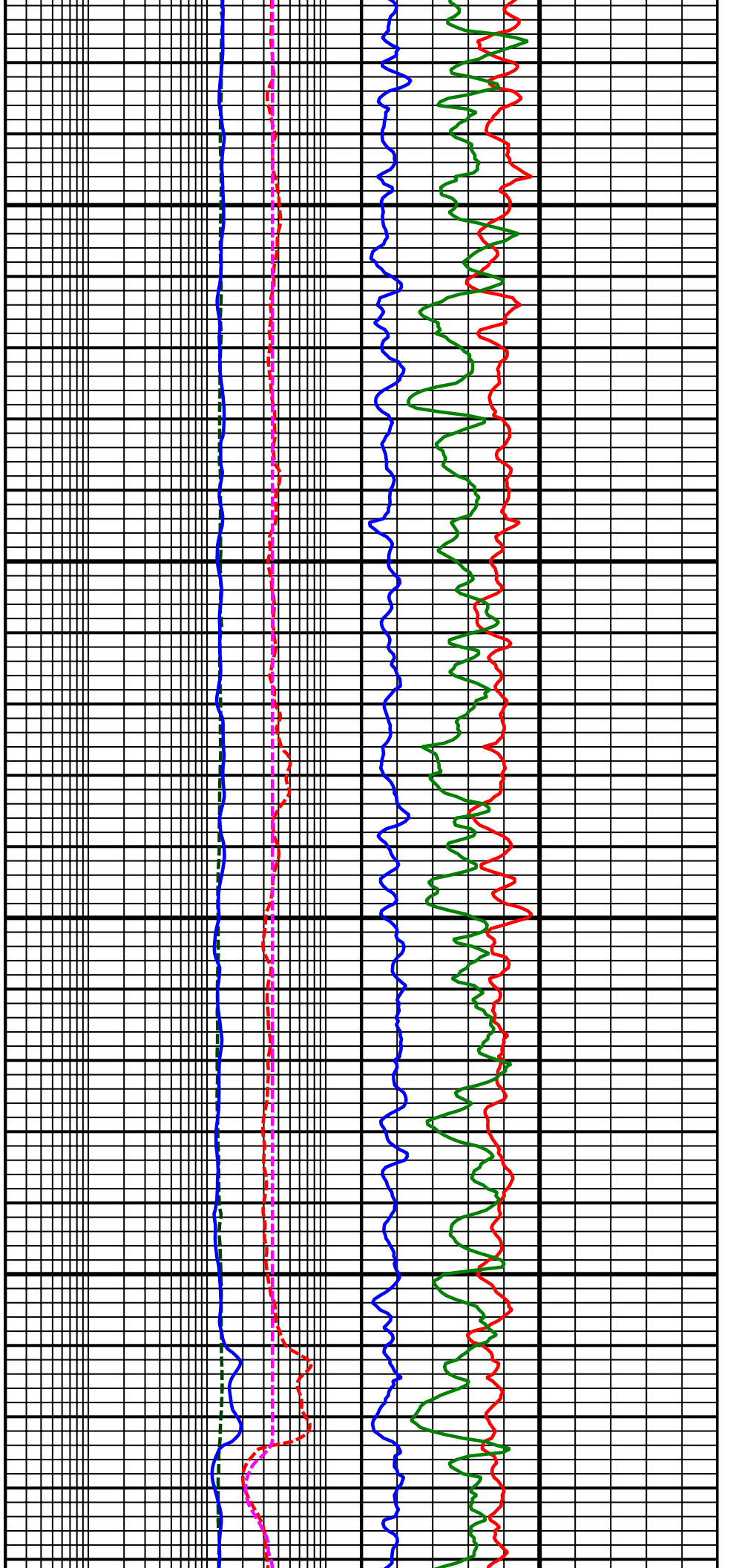


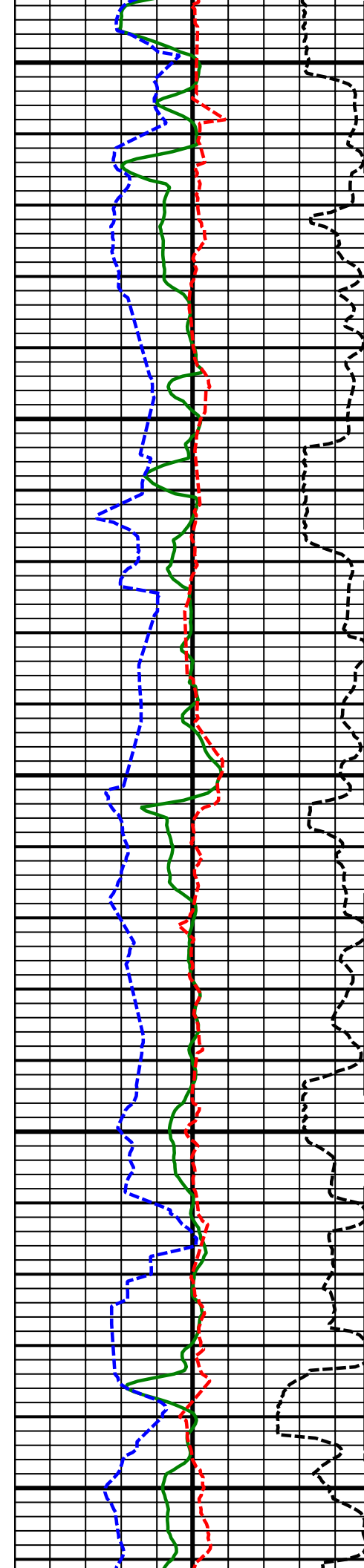




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10500
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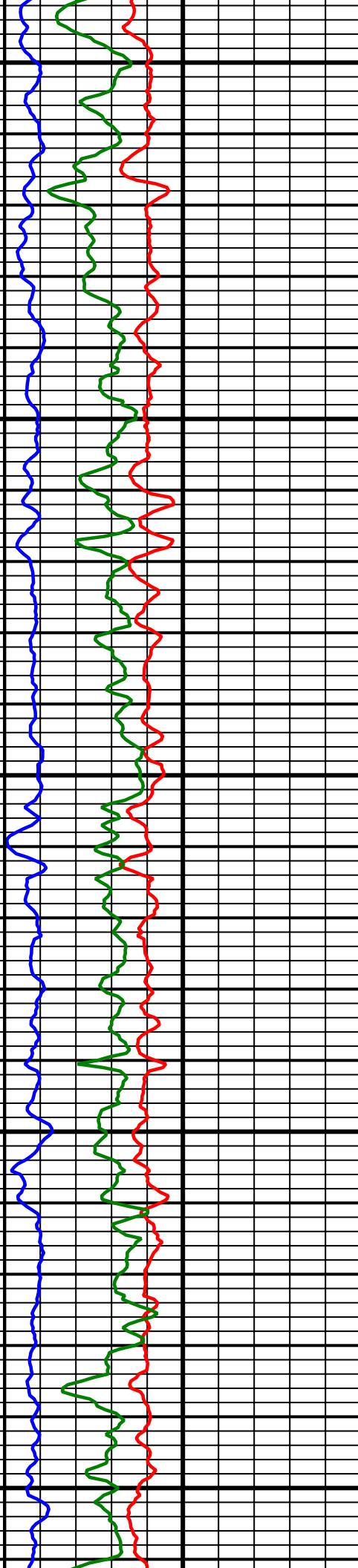
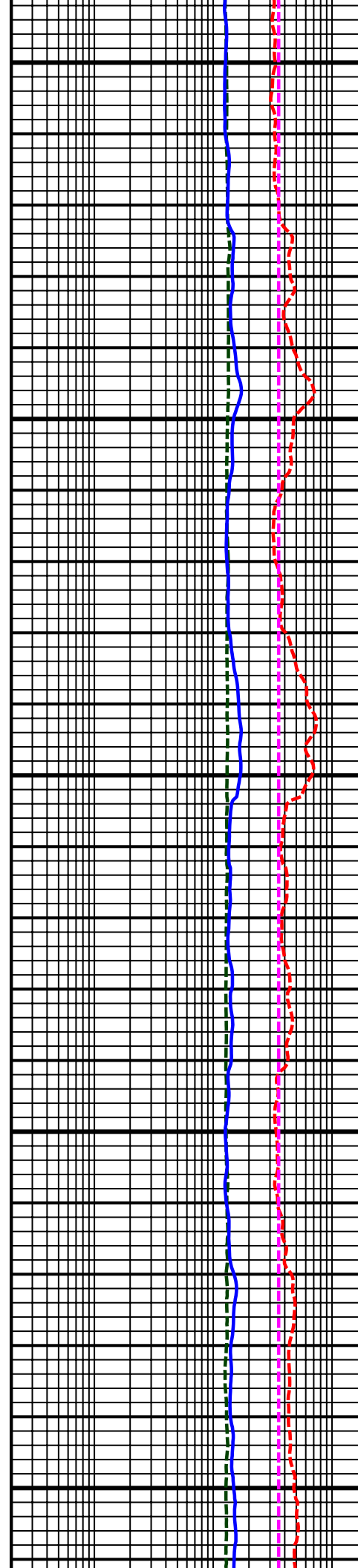


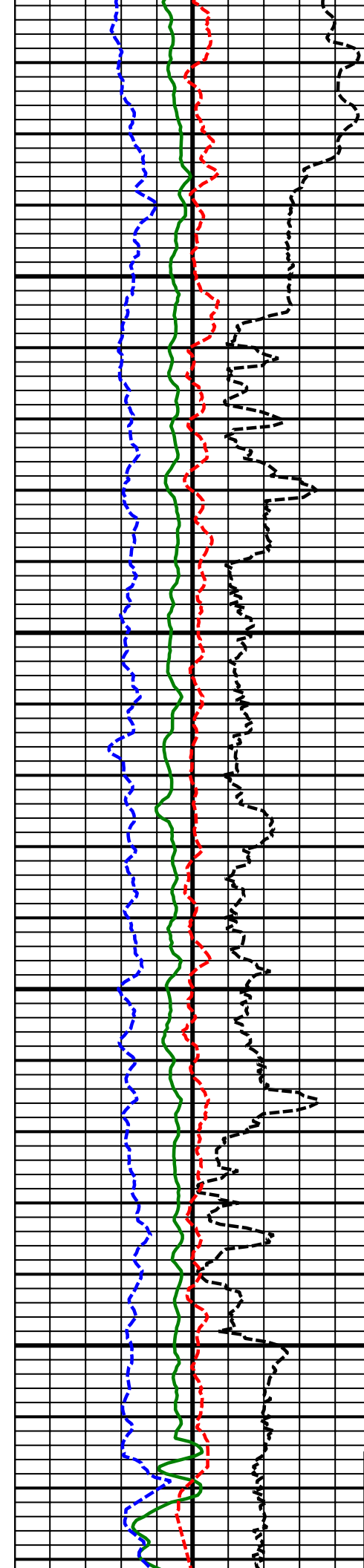


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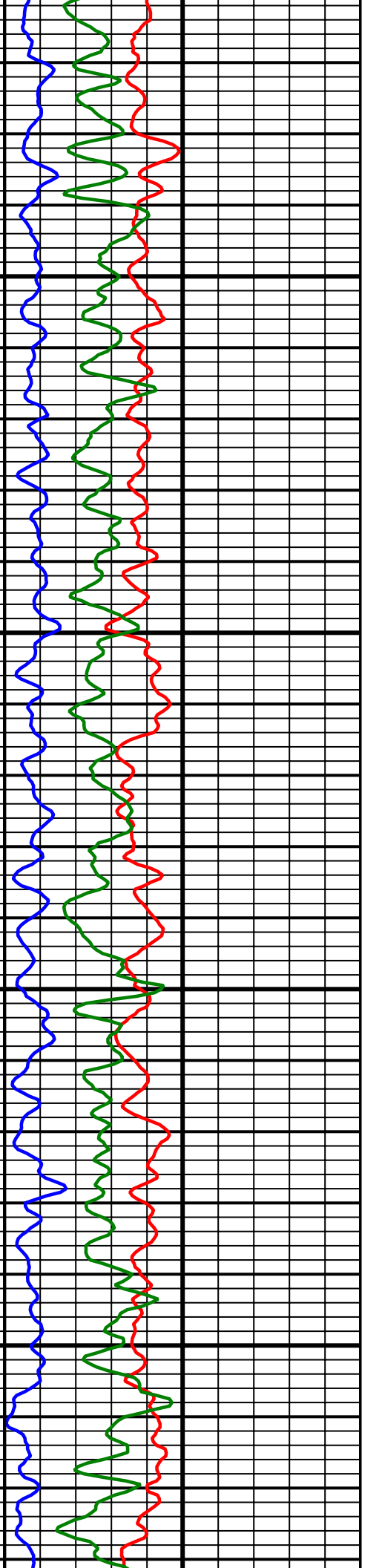
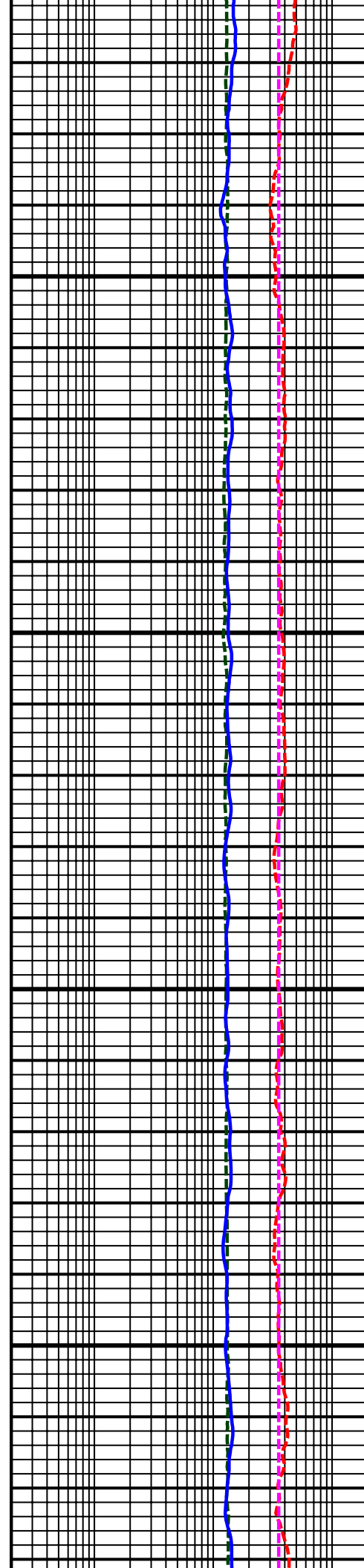
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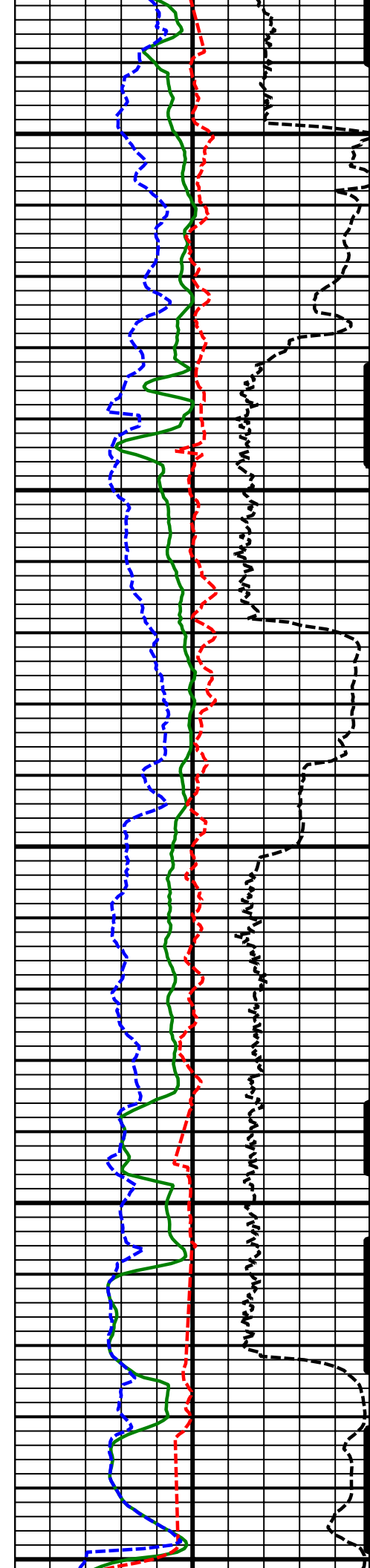




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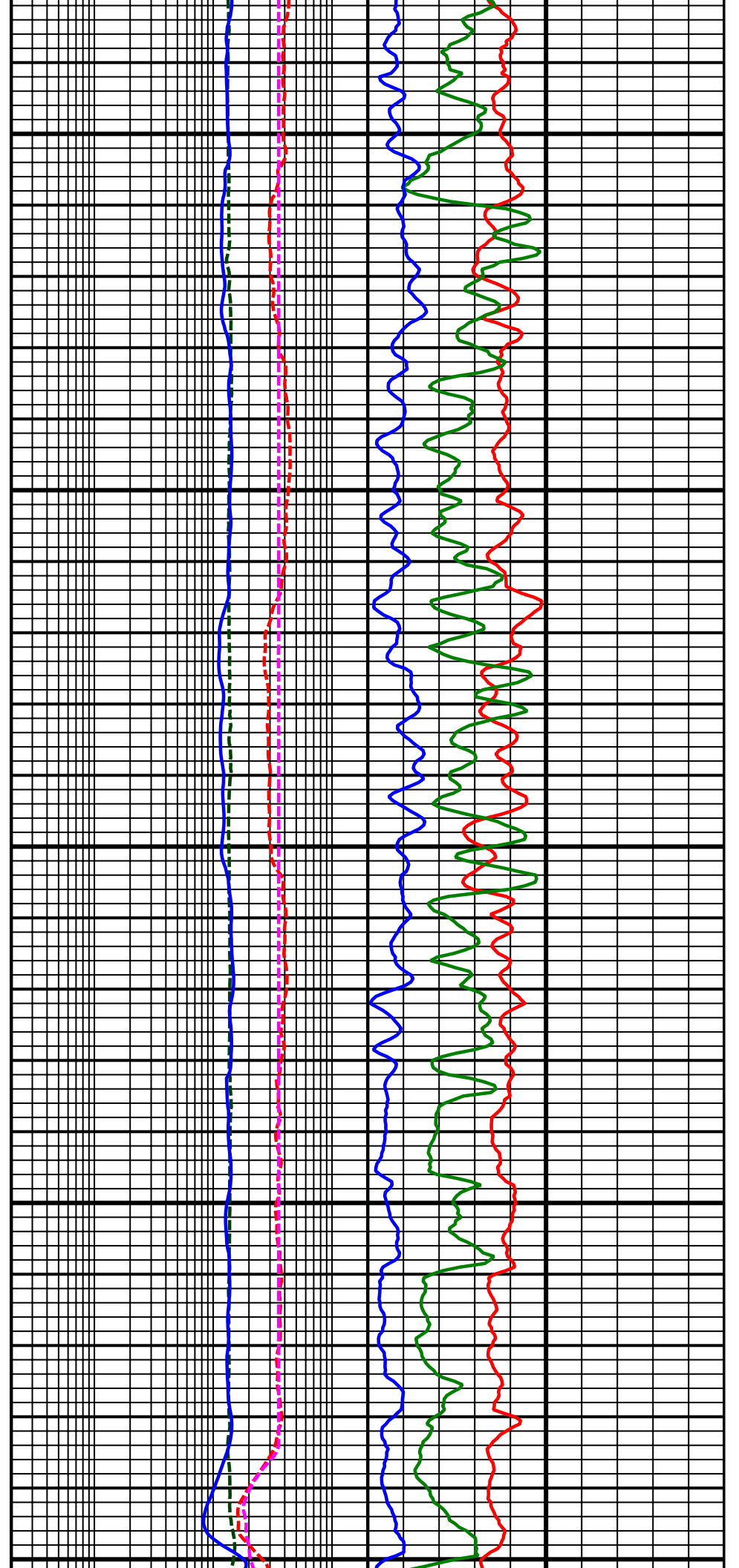
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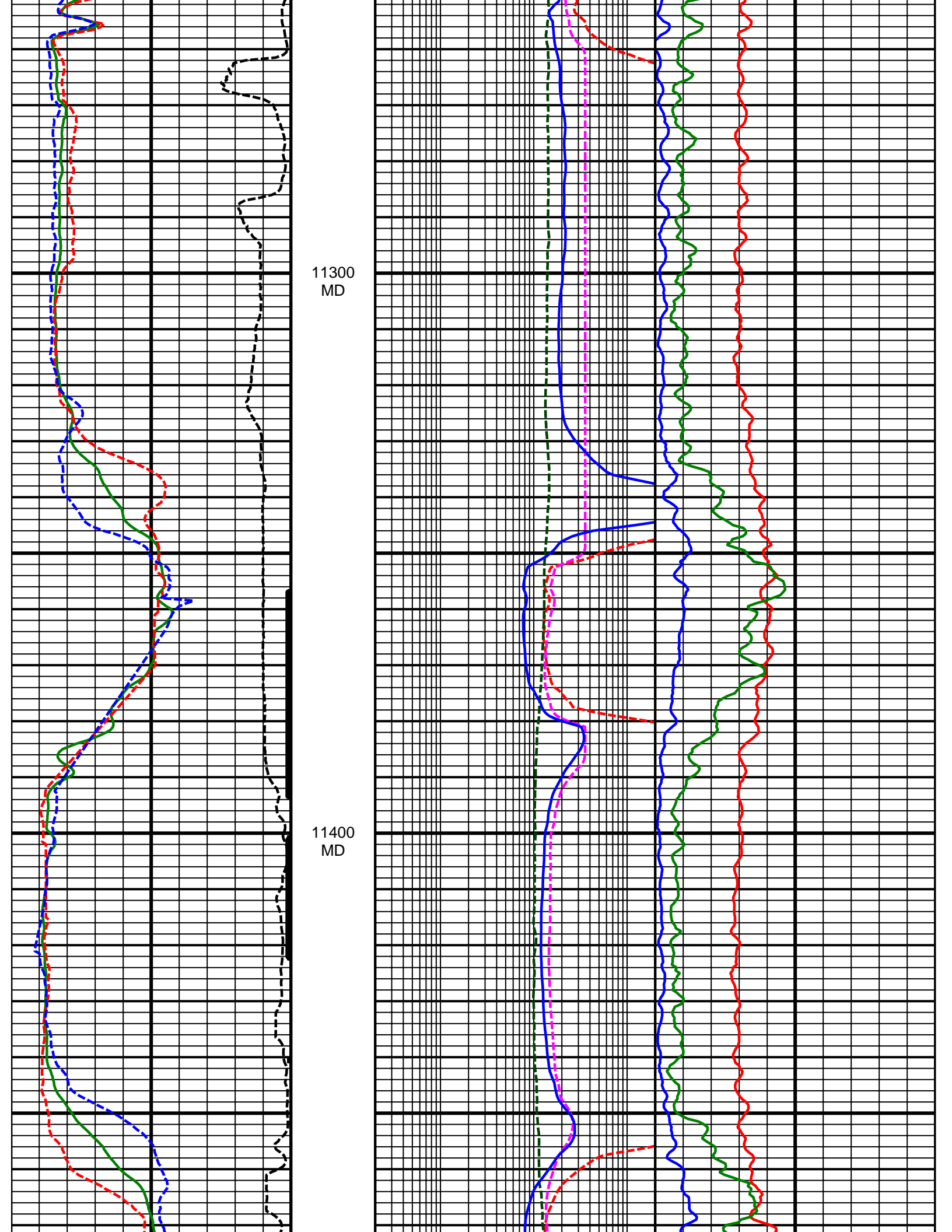


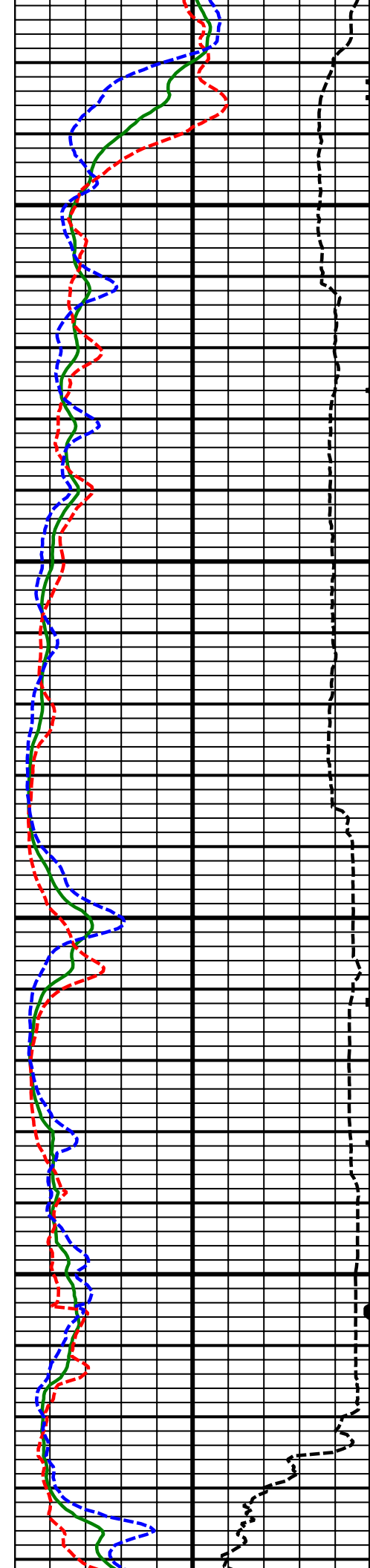


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11200
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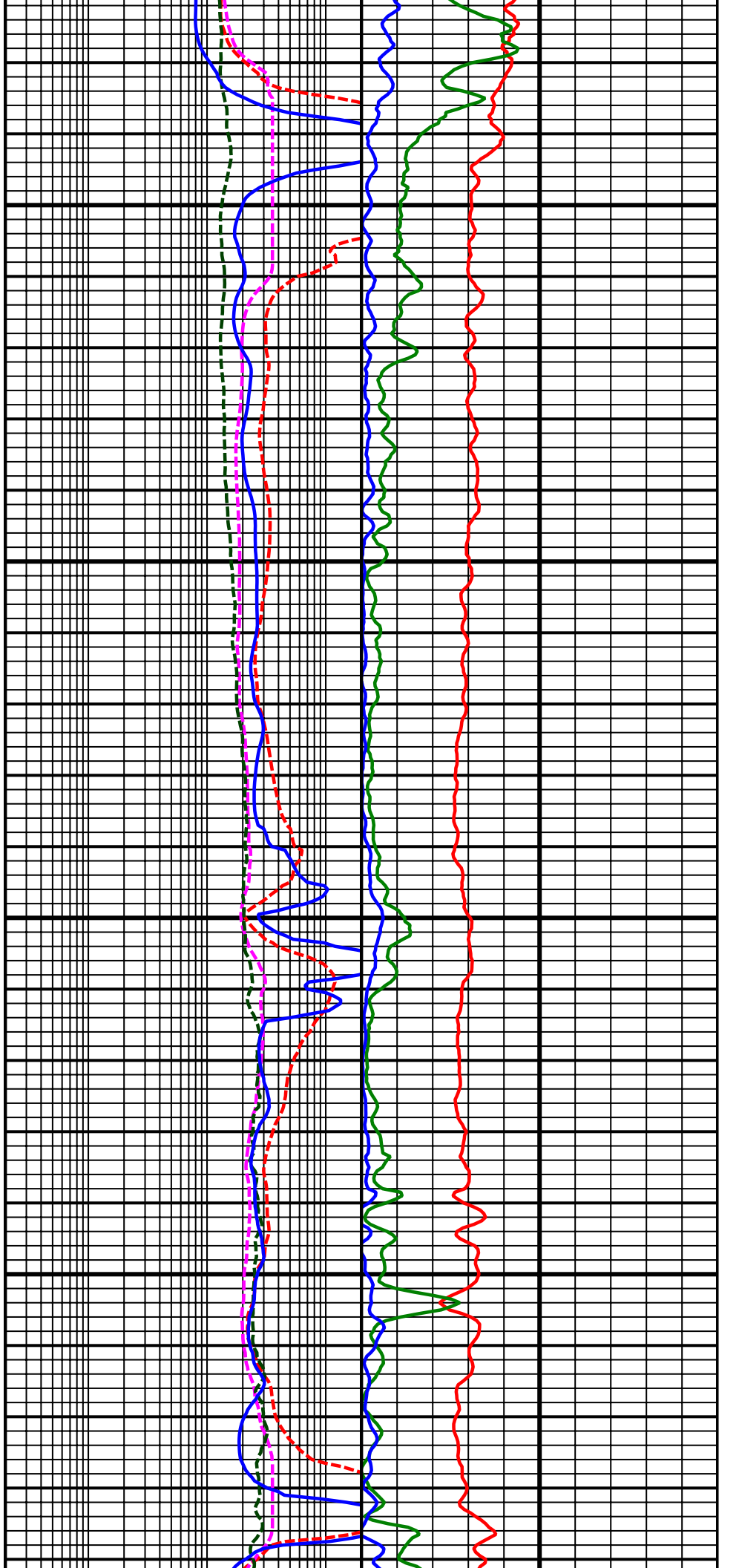


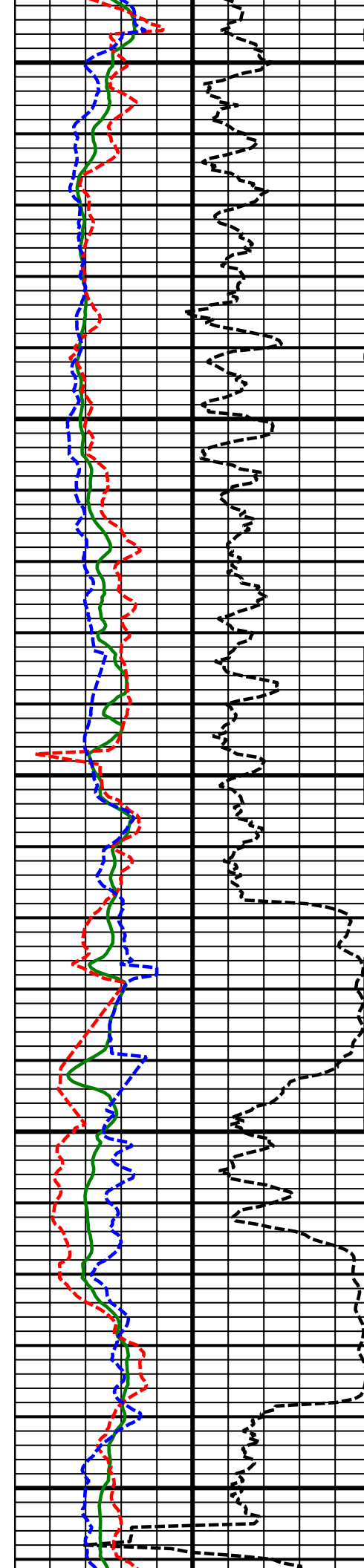




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1160
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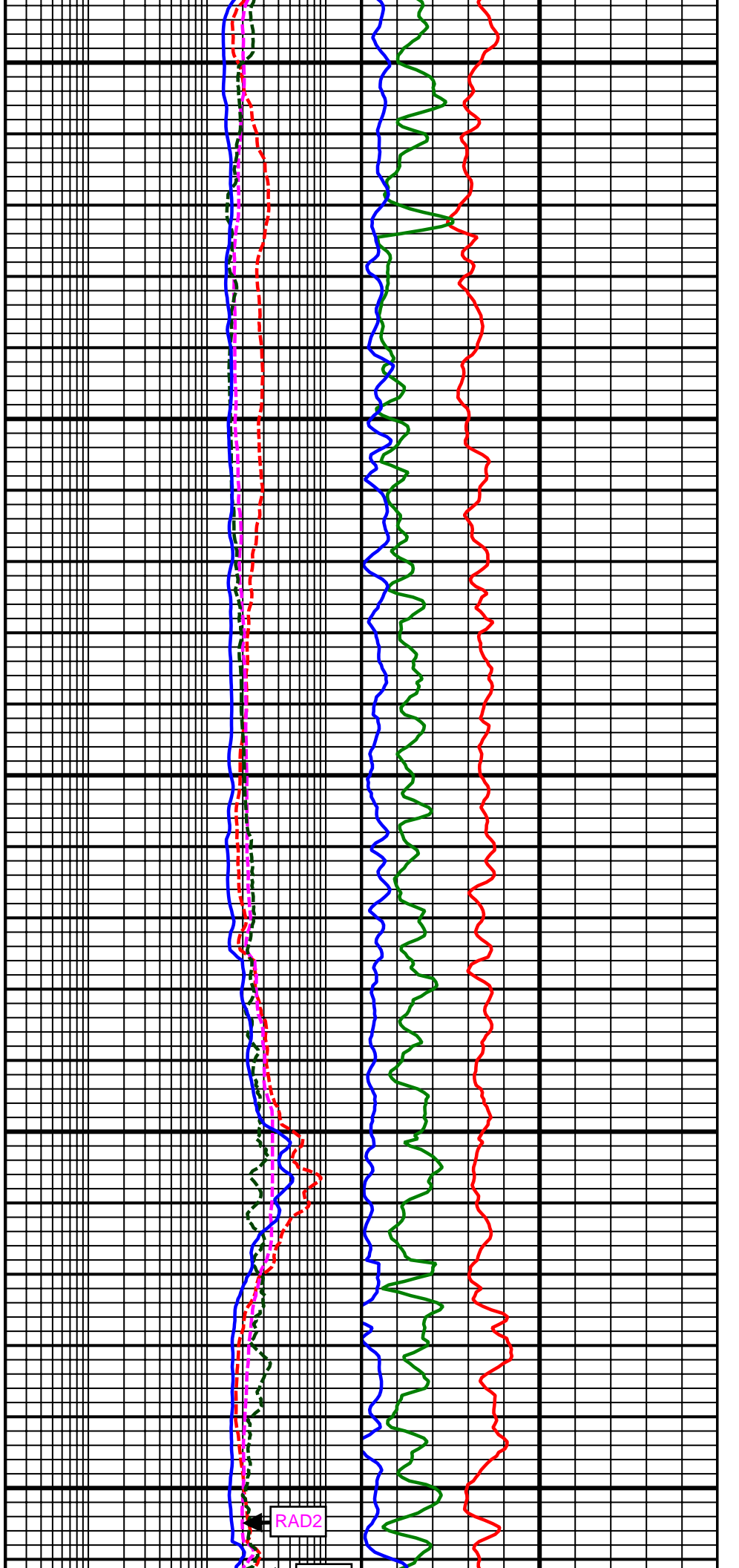




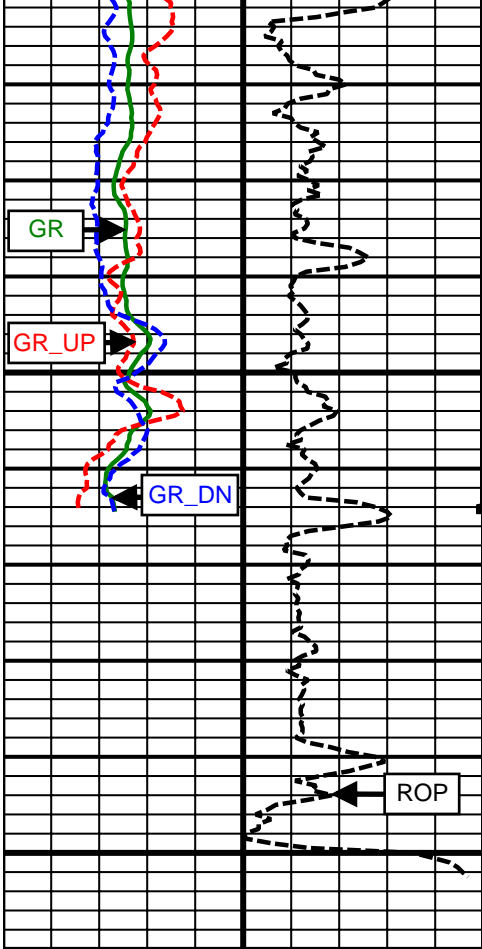
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MD

11800
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11900
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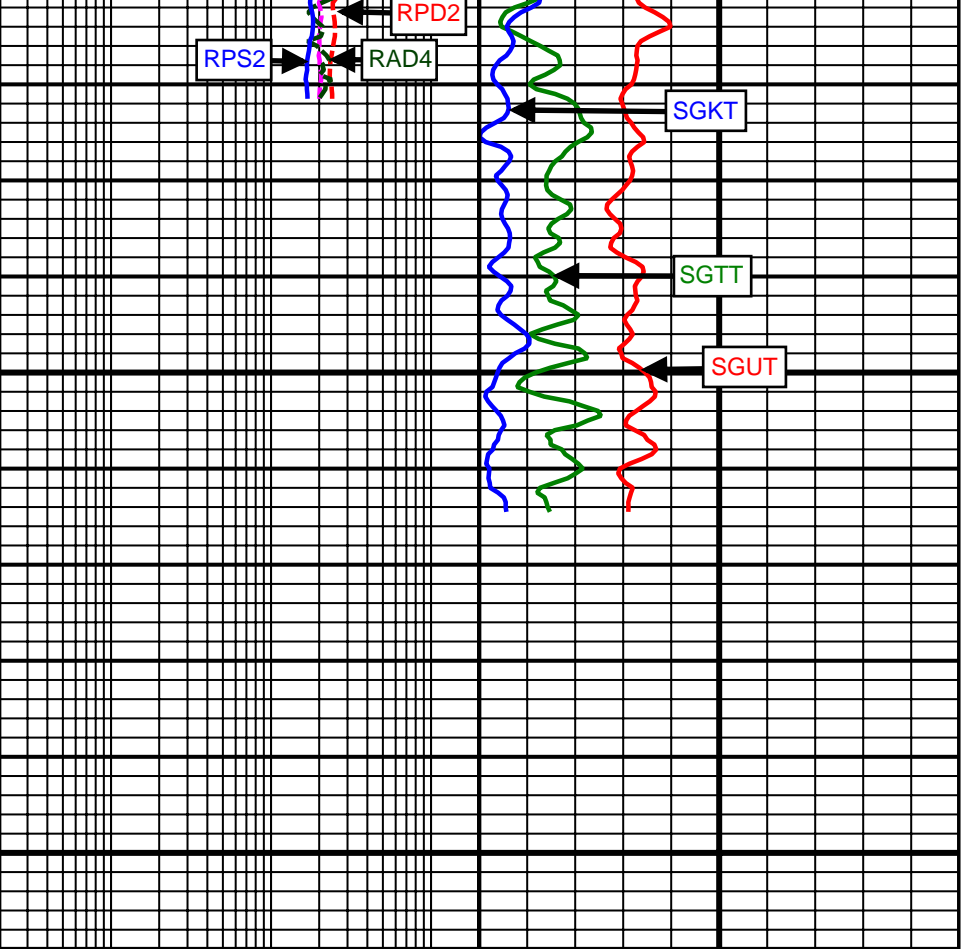


RAD2



12000
 Comment
 No. 4-2

1000	ROP	0
	(fph)	
	GR	
0	(AAPI)	150
	GR_UP	
0	(AAPI)	150
	GR_DN	
0	(AAPI)	150



0.2	RPD2	2000	
	(ohm-m)		
	RAD2		
0.2	(ohm-m)	2000	-10
	RAD4		
0.2	(ohm-m)	2000	0
	RPS2		
0.2	(ohm-m)	2000	0
	SGUT		30
	(ppm)		
	SGTT		
	(ppm)		40
	SGKT		
	(%)		10

SURVEY

Survey Calculation Method: **Minimum Curvature**

Magnetic Reference	Target Direction	Total Magnetic Field	Magnetic Dip Angle	Magnetic Declination	Grid Convergence	Total Correction
True North	179.64 deg	52716 nT	66.77 deg	8.65 deg	0.00 deg	8.65 deg
Survey Tie-On	Depth	INC	AZ	TVD	NS	EW
	896.00 ft	0.23 deg	357.05 deg	895.99 ft	-0.25 ft	-1.96 ft

Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	Well Head		VSect (ft)	Dogleg (deg/100ft)
				NS (ft)	EW (ft)		
1004.00	0.41	288.45	1003.99	0.09	-2.34	-0.10	0.36
1066.00	0.70	290.18	1065.99	0.29	-2.90	-0.31	0.47
1158.00	2.83	300.60	1157.94	1.64	-5.39	-1.67	2.33
1248.00	4.52	293.07	1247.75	4.16	-10.56	-4.23	1.95
1339.00	6.17	287.57	1338.35	7.04	-18.52	-7.16	1.90
1429.00	8.13	287.42	1427.65	10.41	-29.21	-10.59	2.18
1526.00	9.45	285.79	1523.51	14.63	-43.41	-14.90	1.38
1619.00	11.05	285.72	1615.02	19.12	-59.34	-19.49	1.72
1713.00	11.13	279.92	1707.27	23.12	-76.95	-23.61	1.19
1805.00	11.17	279.52	1797.53	26.13	-94.49	-26.72	0.09
1899.00	11.69	282.75	1889.67	29.74	-112.75	-30.44	0.88
1991.00	13.02	284.51	1979.53	34.39	-131.88	-35.22	1.50
2085.00	13.66	284.12	2071.00	39.75	-152.89	-40.71	0.69
2177.00	12.05	283.27	2160.69	44.60	-172.78	-45.69	1.76
2271.00	11.42	283.57	2252.72	49.04	-191.37	-50.24	0.67
2363.00	11.60	290.48	2342.88	54.41	-208.89	-55.73	1.51
2455.00	12.64	292.13	2432.83	61.44	-226.88	-62.87	1.19
2548.00	13.39	286.32	2523.44	68.30	-246.64	-69.85	1.62
2641.00	13.24	285.89	2613.94	74.24	-267.22	-75.92	0.19
2734.00	13.22	283.55	2704.47	79.65	-287.80	-81.46	0.58
2826.00	13.65	280.89	2793.95	84.17	-308.69	-86.10	0.82
2912.00	13.77	282.37	2877.50	88.28	-328.65	-90.34	0.43
2997.00	12.57	281.95	2960.27	92.36	-347.58	-94.54	1.42
3082.00	12.10	288.09	3043.31	97.04	-365.10	-99.33	1.64
3168.00	13.77	287.08	3127.12	102.85	-383.45	-105.25	1.96
3253.00	11.49	285.59	3210.06	108.09	-401.28	-110.61	2.71
3339.00	11.52	289.98	3294.34	113.33	-417.60	-115.95	1.02
3424.00	12.27	290.41	3377.51	119.38	-434.04	-122.10	0.89
3510.00	13.66	293.22	3461.32	126.57	-451.94	-129.41	1.77
3595.00	13.76	287.81	3543.90	133.62	-470.79	-136.58	1.51
3681.00	13.94	290.67	3627.40	140.40	-490.22	-143.48	0.82
3766.00	14.43	292.05	3709.81	147.99	-509.62	-151.19	0.70
3851.00	14.35	285.26	3792.15	154.74	-529.60	-158.07	1.99
3937.00	14.43	284.66	3875.45	160.26	-550.25	-163.71	0.20
4022.00	15.12	281.78	3957.64	165.20	-571.34	-168.79	1.19
4108.00	14.36	284.41	4040.81	170.15	-592.65	-173.87	1.18
4193.00	15.96	283.59	4122.85	175.52	-614.22	-179.37	1.90
4279.00	17.67	282.65	4205.17	181.15	-638.45	-185.16	2.01
4364.00	14.66	276.32	4286.80	185.16	-661.74	-189.32	4.10
4450.00	13.38	278.36	4370.24	187.81	-682.40	-192.09	1.60
4535.00	12.90	285.59	4453.02	191.79	-701.27	-196.19	2.01
4620.00	13.47	288.43	4535.78	197.47	-719.80	-201.99	1.01

4705.00	14.05	287.76	4618.34	203.75	-739.02	-208.39	0.71
4791.00	15.61	284.45	4701.47	209.82	-760.17	-214.59	2.06
4876.00	16.72	282.53	4783.11	215.33	-783.18	-220.24	1.45
4961.00	15.36	280.39	4864.80	220.01	-806.19	-225.07	1.74
5047.00	14.27	280.93	4947.94	224.07	-827.80	-229.27	1.28
5132.00	13.32	285.78	5030.49	228.72	-847.51	-234.04	1.76
5217.00	14.81	288.40	5112.94	234.81	-867.24	-240.26	1.91
5303.00	15.01	286.38	5196.05	241.42	-888.36	-247.00	0.65
5388.00	15.03	283.00	5278.15	247.01	-909.66	-252.72	1.03
5474.00	14.74	280.94	5361.26	251.59	-931.26	-257.44	0.70
5559.00	14.89	281.22	5443.43	255.77	-952.59	-261.75	0.20
5645.00	15.49	282.81	5526.43	260.47	-974.63	-266.58	0.85
5730.00	12.42	281.04	5608.91	264.73	-994.67	-270.98	3.65
5816.00	11.93	281.74	5692.98	268.31	-1012.45	-274.67	0.60
5901.00	12.14	282.13	5776.11	271.98	-1029.79	-278.44	0.26
5986.00	10.59	284.36	5859.44	275.79	-1046.10	-282.36	1.90
6071.00	10.38	286.68	5943.02	279.93	-1061.00	-286.59	0.55
6157.00	9.10	291.04	6027.78	284.60	-1074.77	-291.34	1.72
6242.00	6.87	283.87	6111.95	288.23	-1085.98	-295.05	2.87
6328.00	6.61	284.10	6197.36	290.67	-1095.78	-297.55	0.30
6413.00	4.91	279.33	6281.93	292.45	-1104.11	-299.38	2.08
6499.00	3.36	269.34	6367.70	293.02	-1110.26	-299.99	1.98
6584.00	1.83	263.05	6452.61	292.82	-1114.10	-299.82	1.83
6669.00	1.39	263.60	6537.58	292.54	-1116.47	-299.55	0.52
6754.00	0.97	263.00	6622.56	292.34	-1118.21	-299.36	0.49
6865.00	0.45	163.04	6733.55	291.81	-1119.02	-298.84	1.02
7003.00	10.22	190.10	6870.79	279.21	-1121.01	-286.25	7.12
7088.00	17.26	190.80	6953.31	259.37	-1124.70	-266.43	8.28
7173.00	23.17	194.95	7033.04	230.80	-1131.38	-237.91	7.15
7216.00	26.06	190.86	7072.13	213.35	-1135.35	-220.48	7.80
7259.00	27.39	184.08	7110.55	194.20	-1137.83	-201.35	7.73
7302.00	31.36	185.03	7148.01	173.18	-1139.52	-180.34	9.30
7344.00	35.39	184.50	7183.08	150.16	-1141.43	-157.33	9.62
7387.00	39.74	184.45	7217.15	124.03	-1143.47	-131.21	10.12
7430.00	45.13	182.23	7248.88	95.08	-1145.13	-102.27	13.01
7472.00	49.65	178.51	7277.31	64.19	-1145.30	-71.38	12.58
7515.00	53.64	176.82	7303.99	30.50	-1143.91	-37.69	9.78
7558.00	59.21	176.58	7327.76	-5.25	-1141.85	-1.93	12.96
7600.00	64.98	177.27	7347.41	-42.30	-1139.86	35.13	13.81
7643.00	70.33	178.95	7363.75	-82.03	-1138.56	74.87	12.96
7686.00	73.65	179.96	7377.05	-122.91	-1138.18	115.76	8.04
7748.00	80.88	182.40	7390.71	-183.33	-1139.44	176.17	12.28
7840.00	89.26	184.20	7398.61	-274.75	-1144.72	267.55	9.31
7925.00	90.55	184.20	7398.75	-359.52	-1150.94	352.28	1.52
8010.00	91.91	181.85	7396.92	-444.38	-1155.43	437.11	3.19
8095.00	92.22	179.46	7393.86	-529.31	-1156.40	522.03	2.83
8181.00	91.17	178.21	7391.32	-615.25	-1154.65	607.98	1.90
8266.00	90.00	177.45	7390.45	-700.18	-1151.43	692.93	1.64
8351.00	90.06	176.50	7390.40	-785.06	-1146.95	777.84	1.12
8437.00	90.06	177.13	7390.31	-870.93	-1142.17	863.74	0.73
8522.00	88.95	176.02	7391.05	-955.77	-1137.09	948.61	1.85
8607.00	89.75	176.63	7392.01	-1040.59	-1131.64	1033.46	1.18
8693.00	89.44	177.42	7392.62	-1126.47	-1127.18	1119.37	0.99
8779.00	89.26	178.18	7393.60	-1212.40	-1123.88	1205.32	0.91
8864.00	88.68	176.84	7395.12	-1297.31	-1120.19	1290.24	1.72
8950.00	88.34	177.72	7397.36	-1383.18	-1116.11	1376.14	1.10
9035.00	89.82	179.26	7398.73	-1468.13	-1113.87	1461.11	2.51
9121.00	90.06	179.05	7398.82	-1554.13	-1112.60	1547.10	0.37
9206.00	89.91	178.95	7398.84	-1639.11	-1111.12	1632.10	0.21
9291.00	89.20	177.95	7399.50	-1724.08	-1108.82	1717.08	1.44
9376.00	89.57	177.49	7400.41	-1809.00	-1105.44	1802.02	0.69

9462.00	90.12	178.03	7400.64	-1894.94	-1102.08	1887.98	0.90
9547.00	89.88	178.03	7400.64	-1979.89	-1099.15	1972.94	0.28
9632.00	89.14	178.19	7401.37	-2064.84	-1096.35	2057.91	0.89
9718.00	89.51	178.53	7402.38	-2150.80	-1093.89	2143.88	0.58
9803.00	89.57	177.59	7403.07	-2235.74	-1091.01	2228.84	1.11
9889.00	90.68	176.67	7402.88	-2321.63	-1086.71	2314.76	1.68
9974.00	91.11	176.63	7401.55	-2406.48	-1081.74	2399.63	0.51
10059.00	90.18	175.23	7400.59	-2491.25	-1075.71	2484.45	1.98
10144.00	89.32	177.64	7400.96	-2576.08	-1070.42	2569.31	3.01
10230.00	90.12	177.39	7401.38	-2662.00	-1066.69	2655.24	0.97
10315.00	90.25	179.09	7401.11	-2746.96	-1064.08	2740.22	2.01
10401.00	90.43	180.47	7400.60	-2832.95	-1063.75	2826.21	1.62
10486.00	90.12	180.57	7400.19	-2917.95	-1064.52	2911.20	0.38
10571.00	89.26	181.79	7400.65	-3002.93	-1066.28	2996.17	1.76
10657.00	90.18	184.01	7401.07	-3088.81	-1070.63	3082.02	2.79
10742.00	89.63	184.69	7401.21	-3173.56	-1077.07	3166.73	1.03
10828.00	89.81	183.16	7401.63	-3259.36	-1082.96	3252.49	1.79
10913.00	89.38	181.59	7402.23	-3344.28	-1086.48	3337.39	1.92
10998.00	88.83	179.88	7403.56	-3429.26	-1087.57	3422.36	2.11
11084.00	88.34	179.11	7405.69	-3515.23	-1086.81	3508.33	1.06
11169.00	88.21	177.76	7408.24	-3600.15	-1084.49	3593.27	1.59
11254.00	88.77	178.67	7410.48	-3685.08	-1081.85	3678.21	1.26
11340.00	90.99	180.37	7410.66	-3771.07	-1081.13	3764.20	3.25
11425.00	88.09	179.09	7411.35	-3856.06	-1080.73	3849.19	3.73
11511.00	86.55	179.72	7415.37	-3941.95	-1079.83	3935.09	1.93
11596.00	87.16	179.51	7420.03	-4026.82	-1079.26	4019.96	0.76
11681.00	87.10	179.88	7424.29	-4111.72	-1078.81	4104.86	0.44
11767.00	89.51	180.28	7426.83	-4197.67	-1078.93	4190.81	2.84
11853.00	89.26	178.78	7427.75	-4283.66	-1078.23	4276.80	1.77
11938.00	90.80	179.76	7427.71	-4368.65	-1077.14	4361.80	2.15
11947.00	90.99	179.77	7427.57	-4377.65	-1077.11	4370.80	2.11
12001.00	90.99	179.77	7426.64	-4431.64	-1076.89	4424.79	0.00

Weatherford Surveys from 1004 ft MD to 11947 ft MD.

TD at 12001 ft MD.

The total correction is 8.65 deg relative to True North.



Weatherford®

Final Print

COMPANY	<u>Anadarko Petroleum</u>		
WELL	<u>Cannon 34C-10HZ</u>		
FIELD	<u>Wattenberg</u>		
RIG	<u>Xtreme 23</u>		
LOC.	<u>Colorado</u>	COUNTY	<u>Weld</u>