



**MWD
GAMMA RAY
5 INCH MEASURED DEPTH
RECORDED**

COMPANY: XTO Energy		
WELL: Smith 1H Upper		
FIELD: Fruitland Coal		
RIG: D&J #1		
STATE: Colorado		
COUNTRY: United States		
API: 05-067-099-0000		
Latitude: 37.03956°N	x: 0 ft	Mag Decl: 9.55°
Longitude: 107.58306°W	y: 0 ft	Mag Dip: 63.69°
Other Services: Directional Surveys		

Permanent Datum:	Mean Sea Level	K.B.	6331.5 ft
Log Measured From:	Kelly Bushing Elev: 6331.5 ft	G.L.	6315 ft
Depth Reference:	Driller's Pipe Tally	D.F.	6330 ft
Depth Logged:	2377 ft to 6463 ft	Total Runs:	7
Date Logged:	26-May-14 to 10-Jun-14	Spud Date:	07-May-14
		Elevation	
		W.D.	
		0 ft	

Borehole Record			Casing Record			
Hole Size	From (MD)	To (MD)	Casing Size	Weight	From (MD)	To (MD)
12.25	0	293	9.625	36	0	269
8.75	269	2912	7.000	23	0	2912
6.125	2377	6508				
WFT Job Number	4032783		WFT Base	Midland		

RUN SUMMARY

Run Number	01	02	03	04	05	06	07
Bit Size in.	8.75	8.75	6.125	6.125	6.125	6.125	6.125
Bit Type	PDC	PDC	Tri-Cone	Tri-Cone	Tri-Cone	Tri-Cone	PDC
Bit TFA in'^2	1.245	1.350	0.750	0.750	0.750	0.750	0.808
Bit Start Depth ft	269	2252	2382	3096	3783	4680	6019
Bit End Depth ft	2252	2912	3096	3783	4680	6019	6508
Top Log Interval ft	269	2219	2377	3063	3739	4638	5974
Bottom Log Interval ft	2219	2879	3063	3739	4638	5974	6463
Begin Log Time hh:mm	10:09	12:25	12:10	13:15	06:45	08:00	22:10
Begin Log Date DD-MMM-YY	08-May-14	11-May-14	26-May-14	28-May-14	01-Jun-14	04-Jun-14	08-Jun-14
End Log Time hh:mm	07:10	05:30	04:01	01:30	12:30	07:05	13:50
End Log Date DD-MMM-YY	11-May-14	12-May-14	28-May-14	30-May-14	03-Jun-14	08-Jun-14	10-Jun-14
Drill or Wipe	Drill	Drill	Drill	Drill & Wipe	Drill	Drill	Drill
Surface/Bit RPM RPM	40 / 140	50 / 140	45 / 160	45 / 160	45 / 160	45 / 125	45 / 125
Flow Rate gpm	450	450	250	250	250	200	200
Min Inc @ Depth deg @ ft	0.30 @ 323	10.77 @ 2774	24.42 @ 2428	85.85 @ 3412	88.41 @ 4618	86.94 @ 4670	95.12 @ 5973
Max Inc @ Depth deg @ ft	13.67 @ 1473	11.83 @ 2400	90.47 @ 3047	91.66 @ 3721	93.73 @ 4155	95.50 @ 5909	98.04 @ 6314

MUD DATA

Fluid Type		Water	Water	Water	Water	Water	Water	Water
Mud Weight	ppg	8.9	8.9	10.2	10.3	10.1	10.2	10.0
PV / YP	cp / YP	8 / 5	8 / 3	10 / 5	10 / 8	26 / 22	22 / 21	17 / 13
Solids / Sands	%	3.5 / 0.5	3.5 / 0.5	3.0 / TR	6.0 / 0.25	4.2 / TR	5.0 / TR	5.0 / TR
ph / Fluid Loss	??????							

Oil:Water Ratio	% Vol	97% Water	97% Water	97% Water	92% Water	94% Water	94% Water	95% Water
Client Representative		Coffee	Coffee	Coffee	Coffee	Coffee	Coffee	Coffee
Weatherford Engineer		Rivera	Rivera	Rivera	Rivera	Rivera	Rivera	Rivera

DISCLAIMER

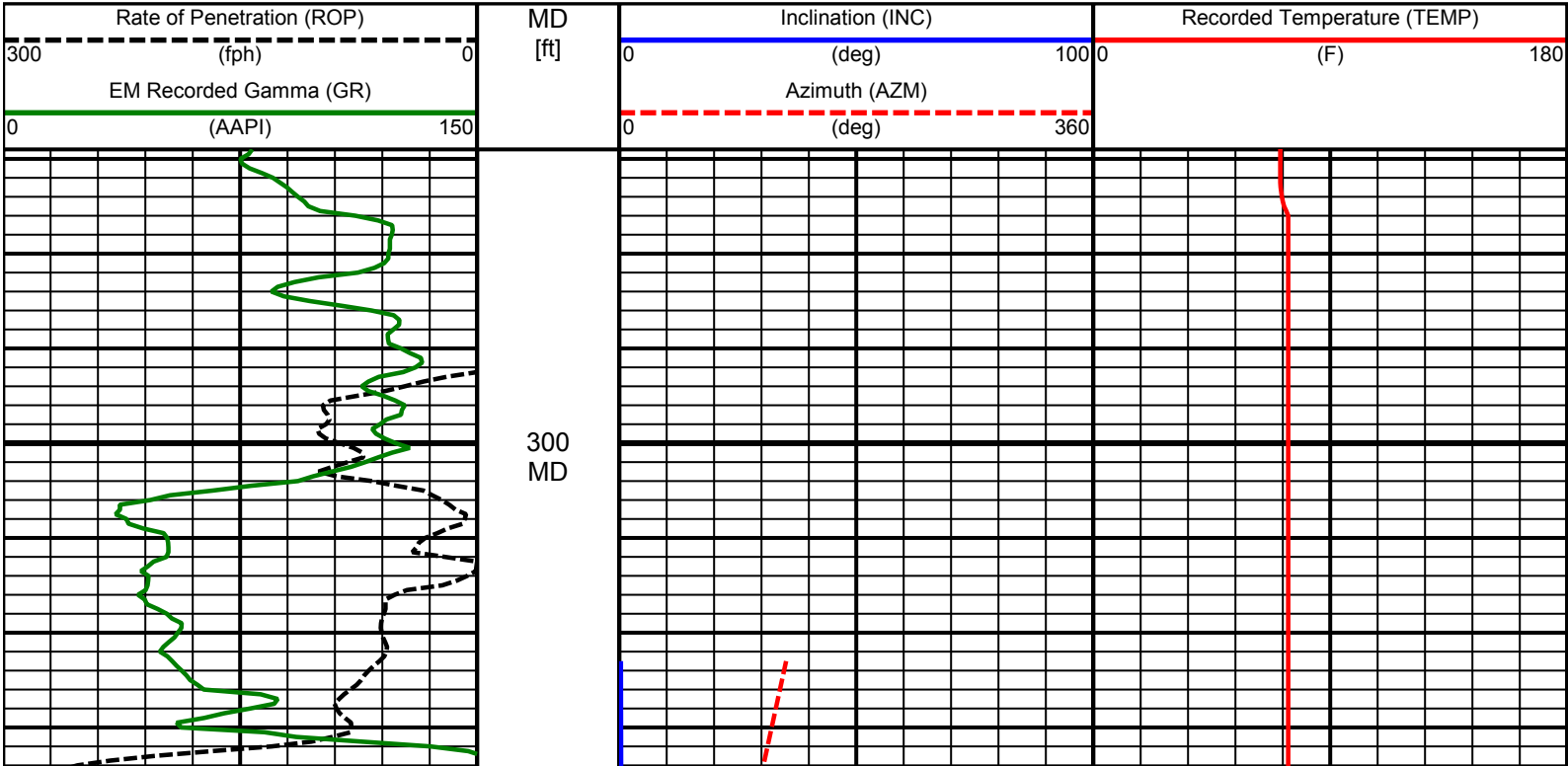
In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, Contractor will give Company the benefit of Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ.

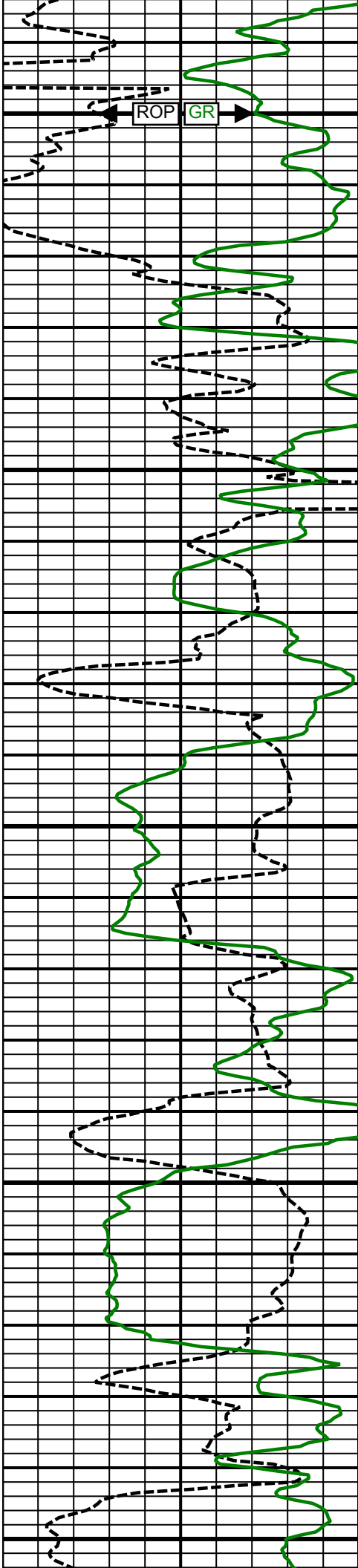
ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF COMPANY AND CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS, OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION, OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISION CONCERNING THE SERVICES.

CURVE SPECIFICATIONS

MNEMONIC	CURVE TITLE	UNITS	SMOOTHING			GAP FILL
			Window	Resolution	Type	
ROP	Rate of Penetration (ROP)	fph	3 ft	0.5 ft	Exponential	5 ft
GR	EM Recorded Gamma (GR)	AAPI	3 ft	0.5 ft	Exponential	5 ft
INC	Inclination (INC)	deg			No smoothing	150 ft
AZM	Azimuth (AZM)	deg			No smoothing	150 ft
TEMP	Recorded Temperature (TEMP)	F	3 ft	0.5 ft	AvgCent	200 ft

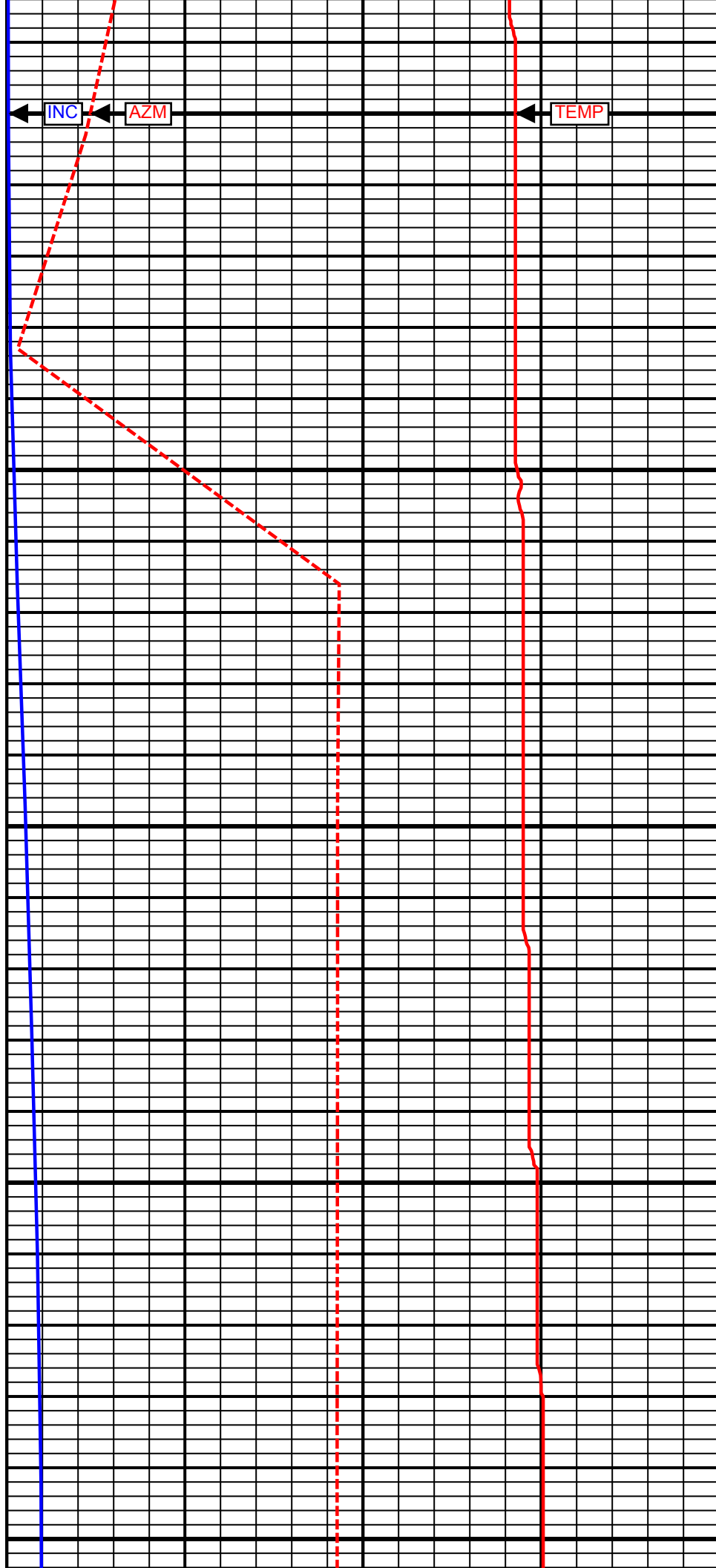
5 Inch - Measured Depth

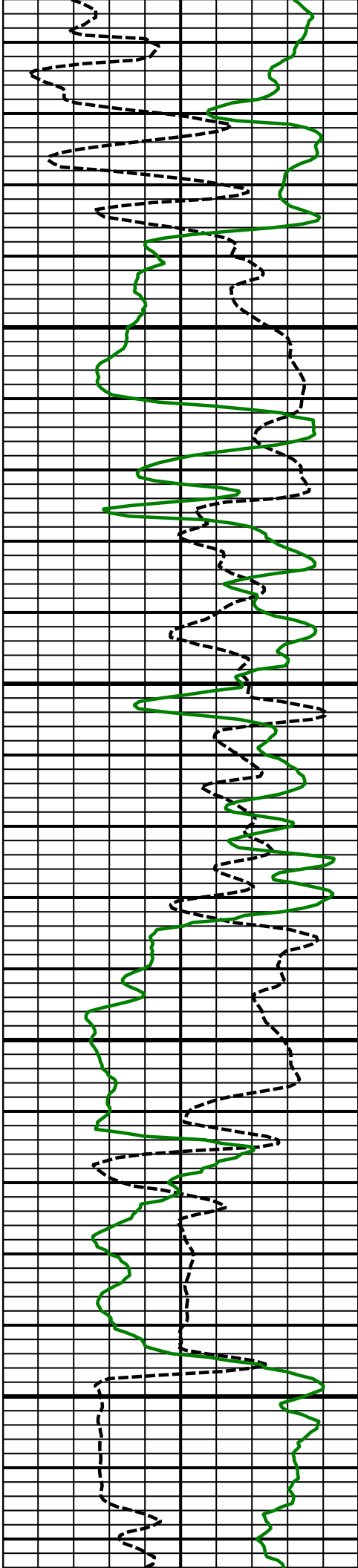




400
MD

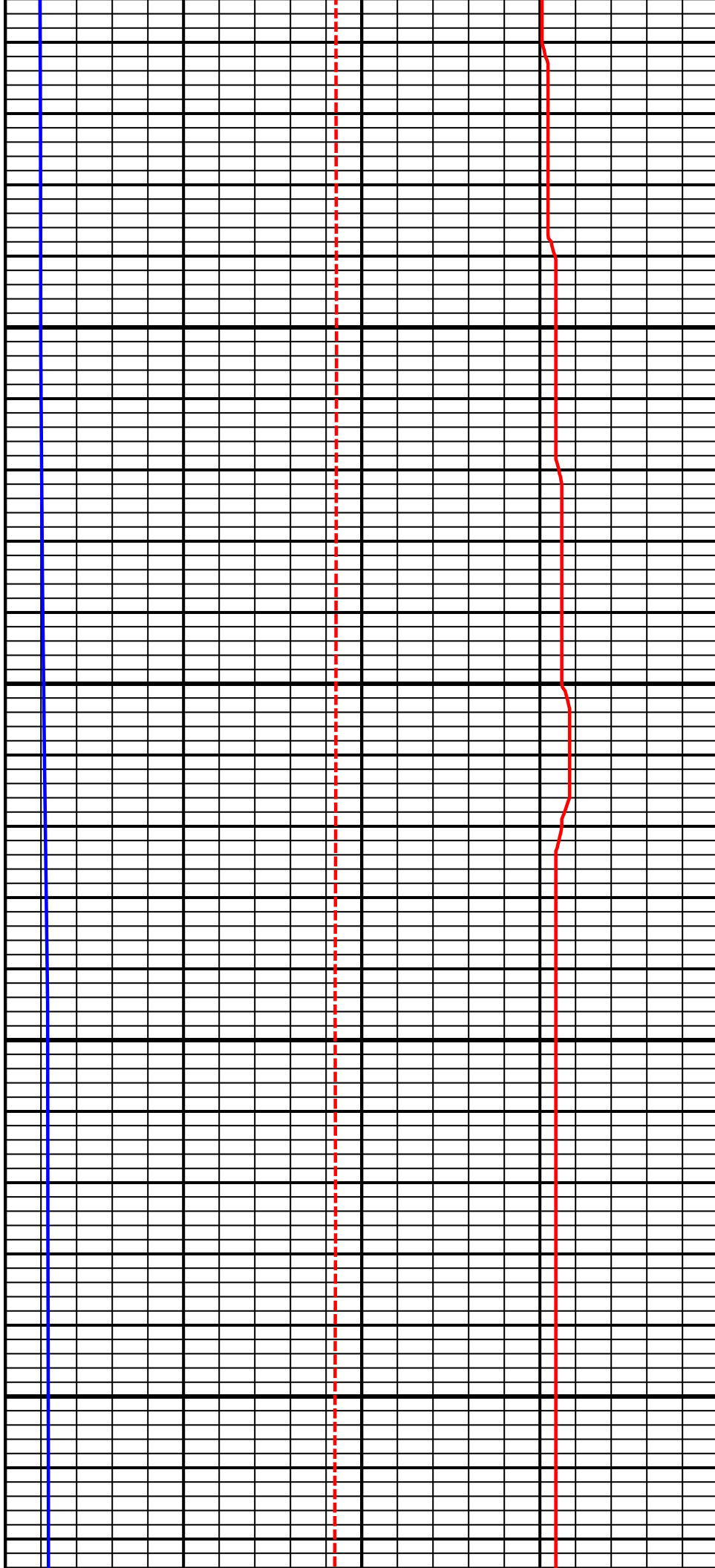
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MD

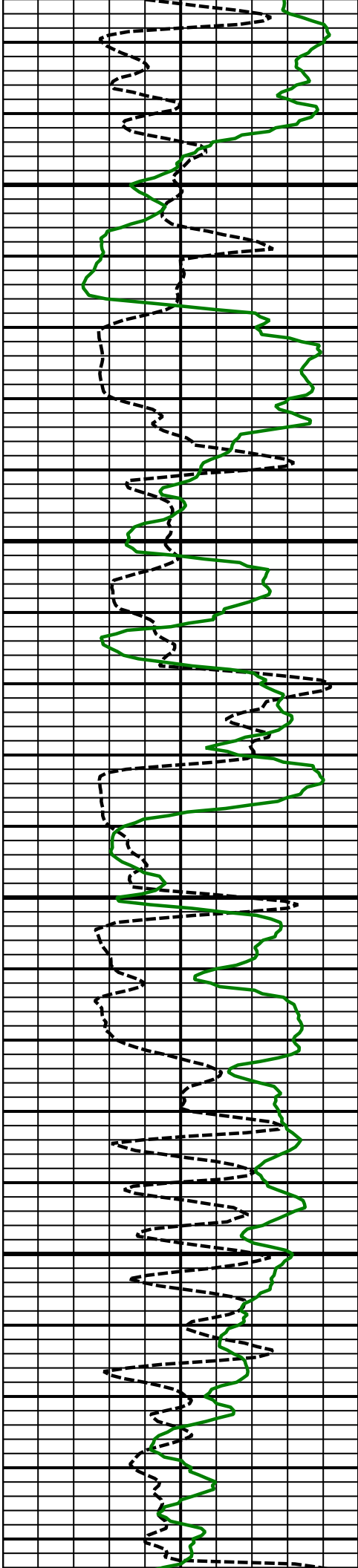




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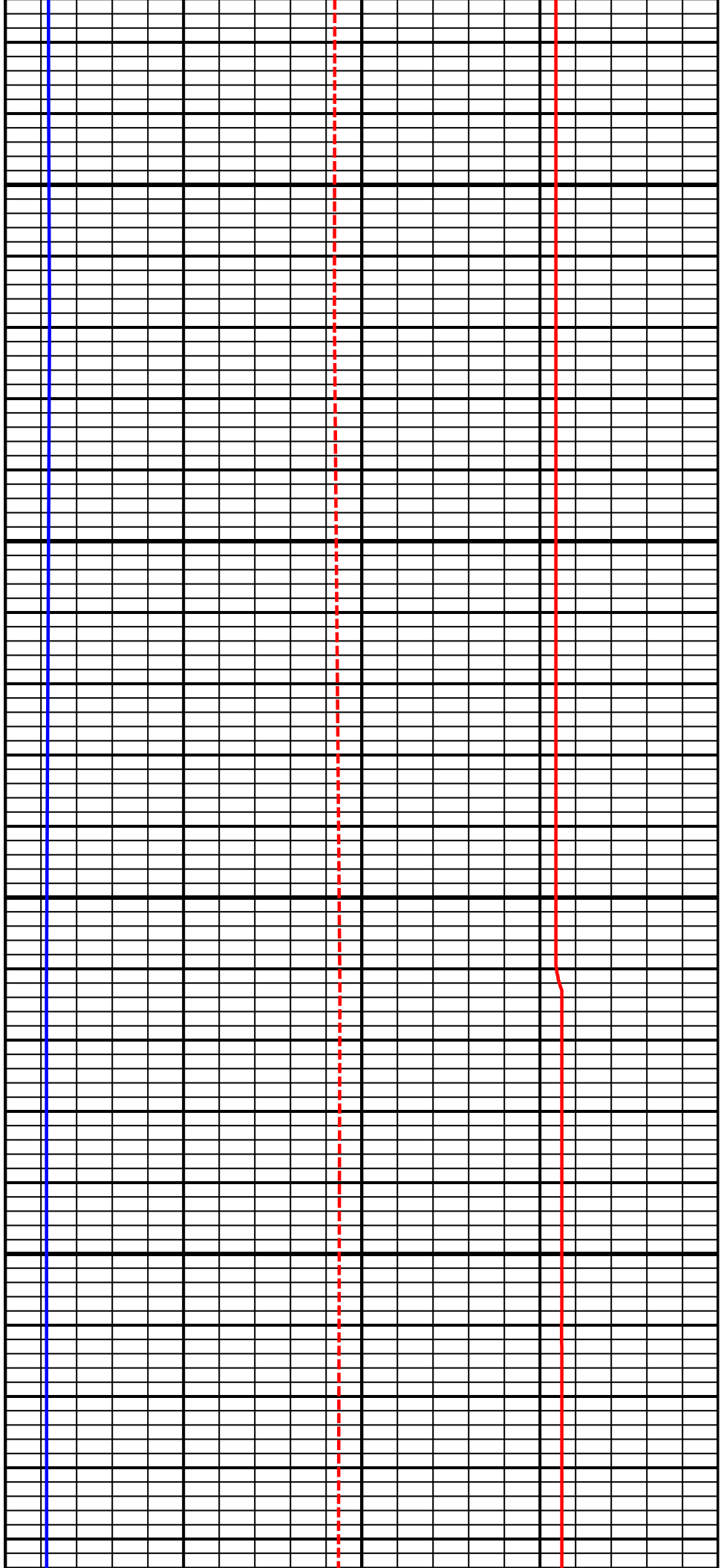
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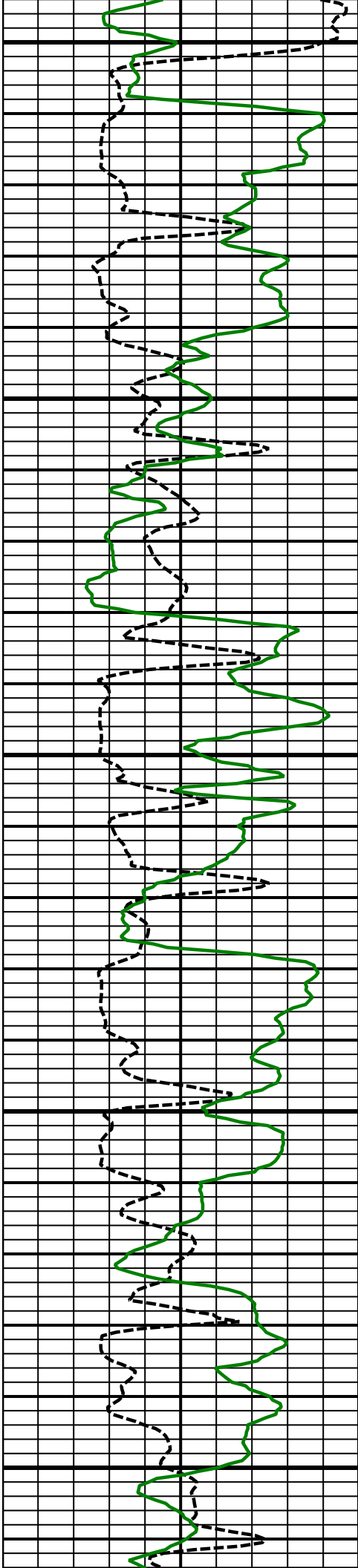




800
MD

900
MD

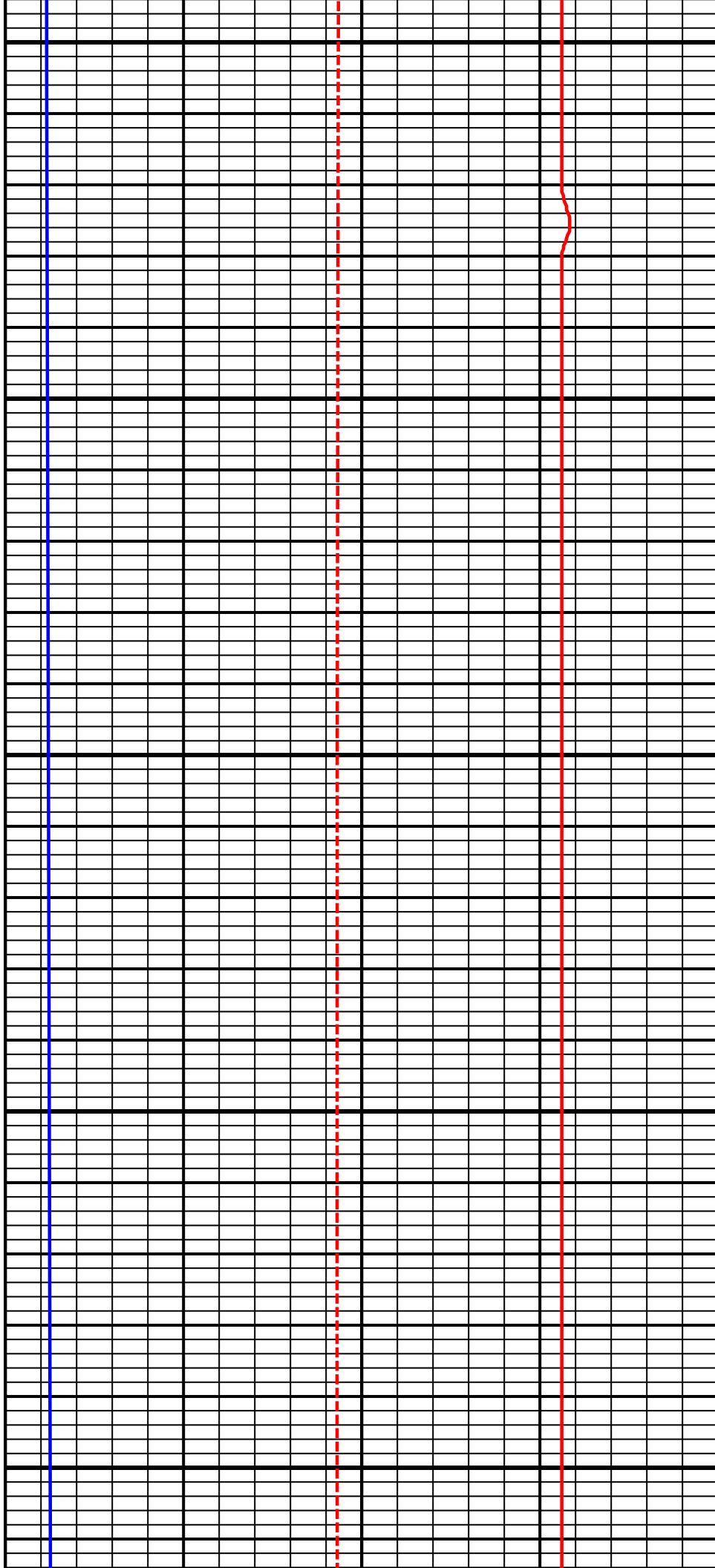


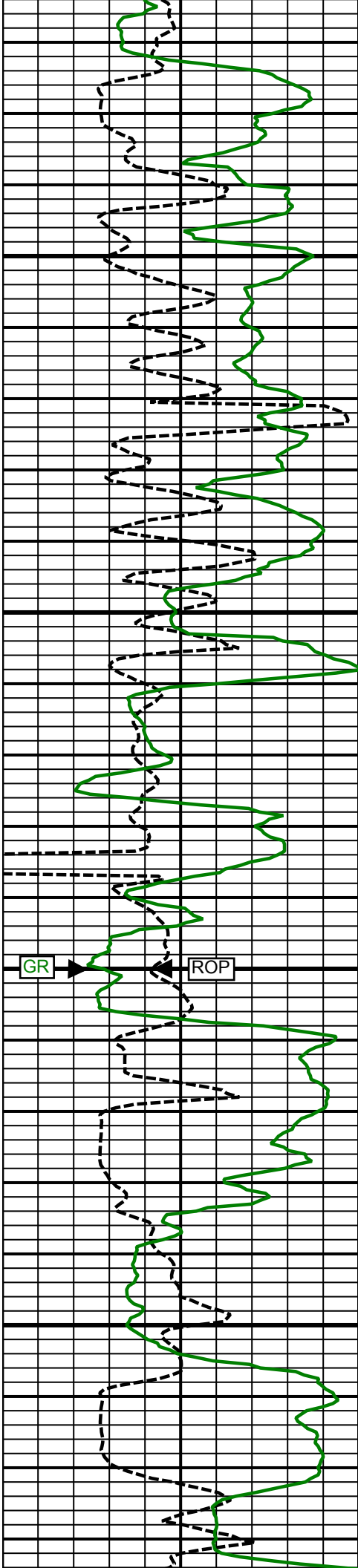


1000
MD

1100
MD

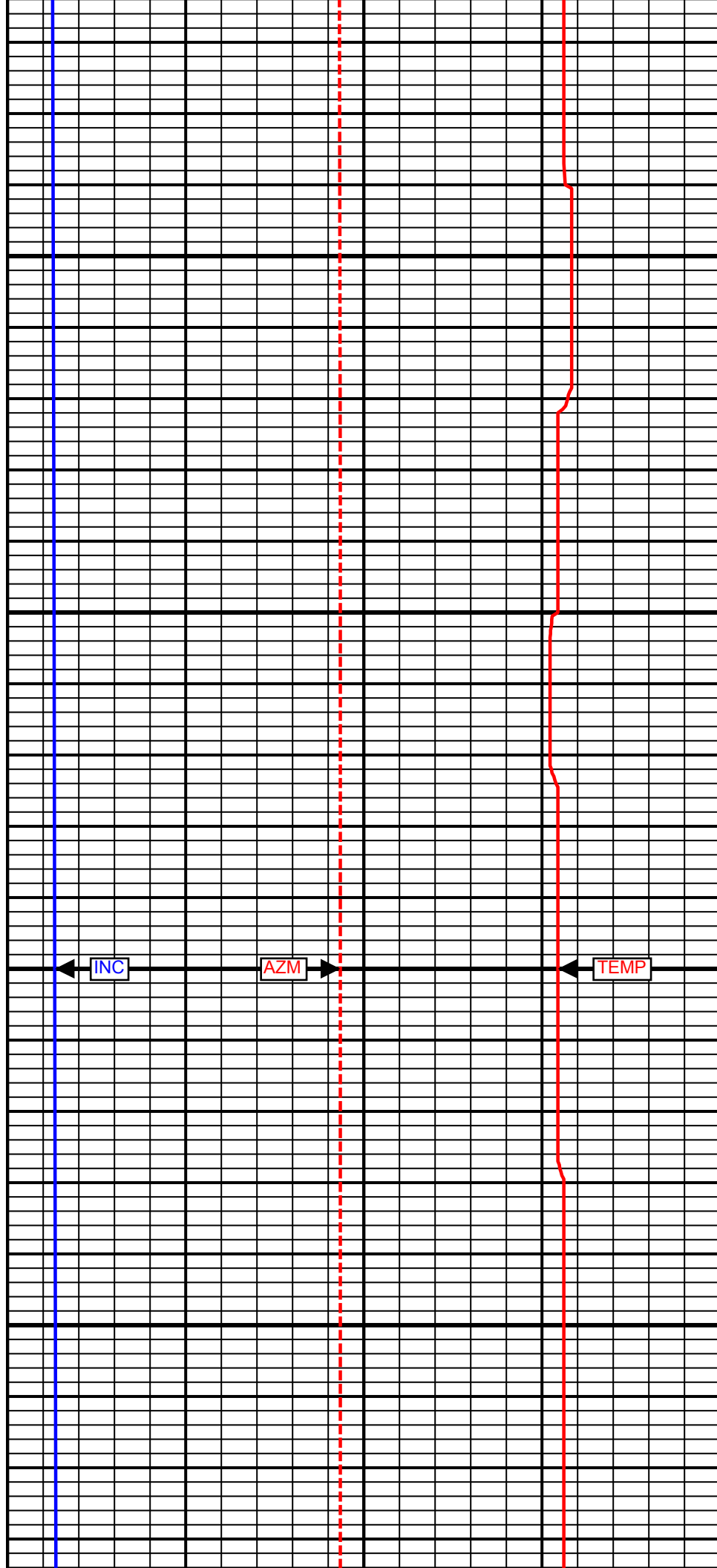
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MD

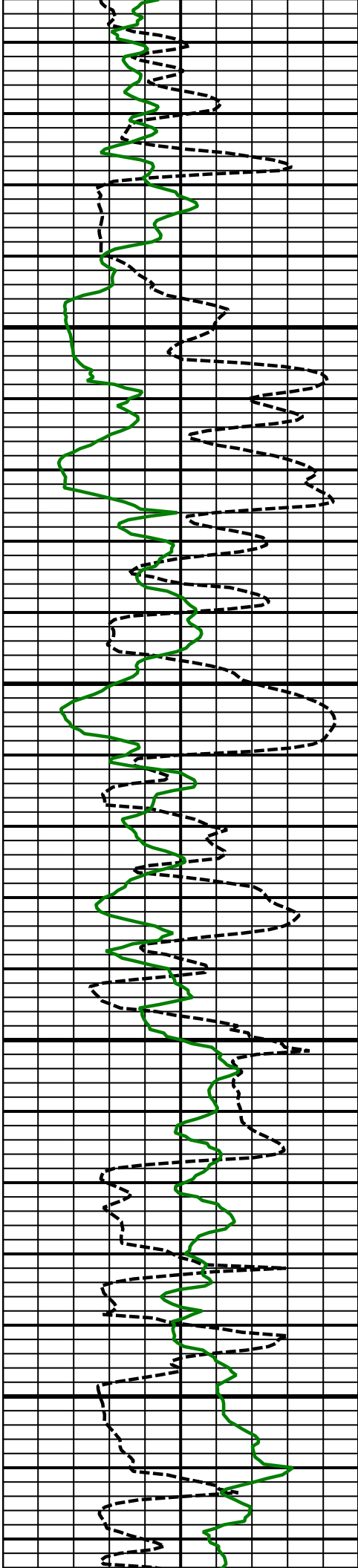




1300
MD

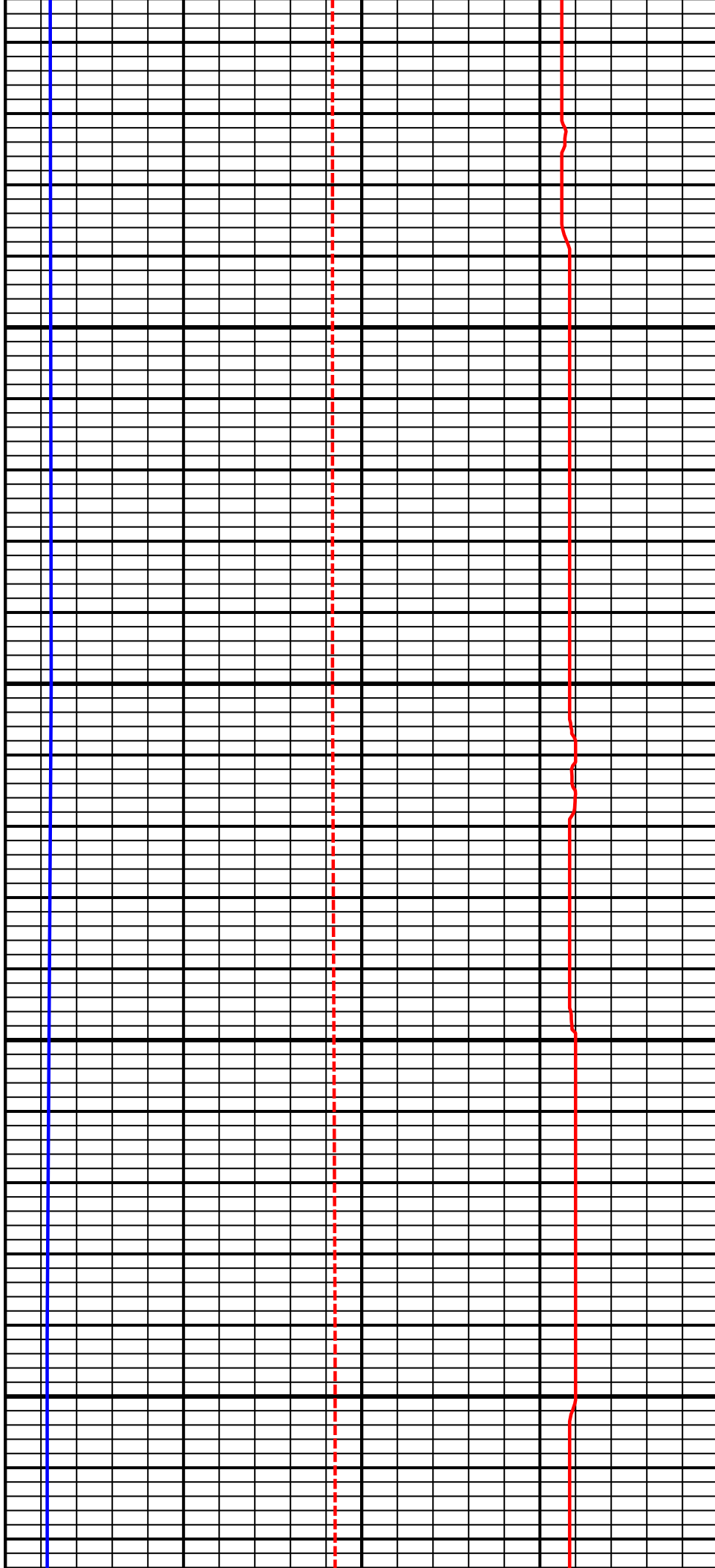
1400
MD

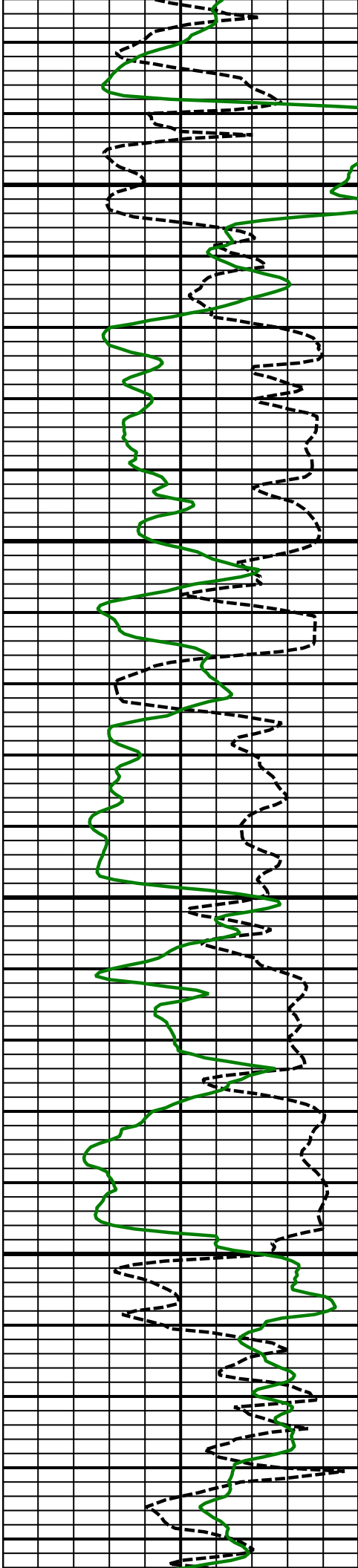




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MD

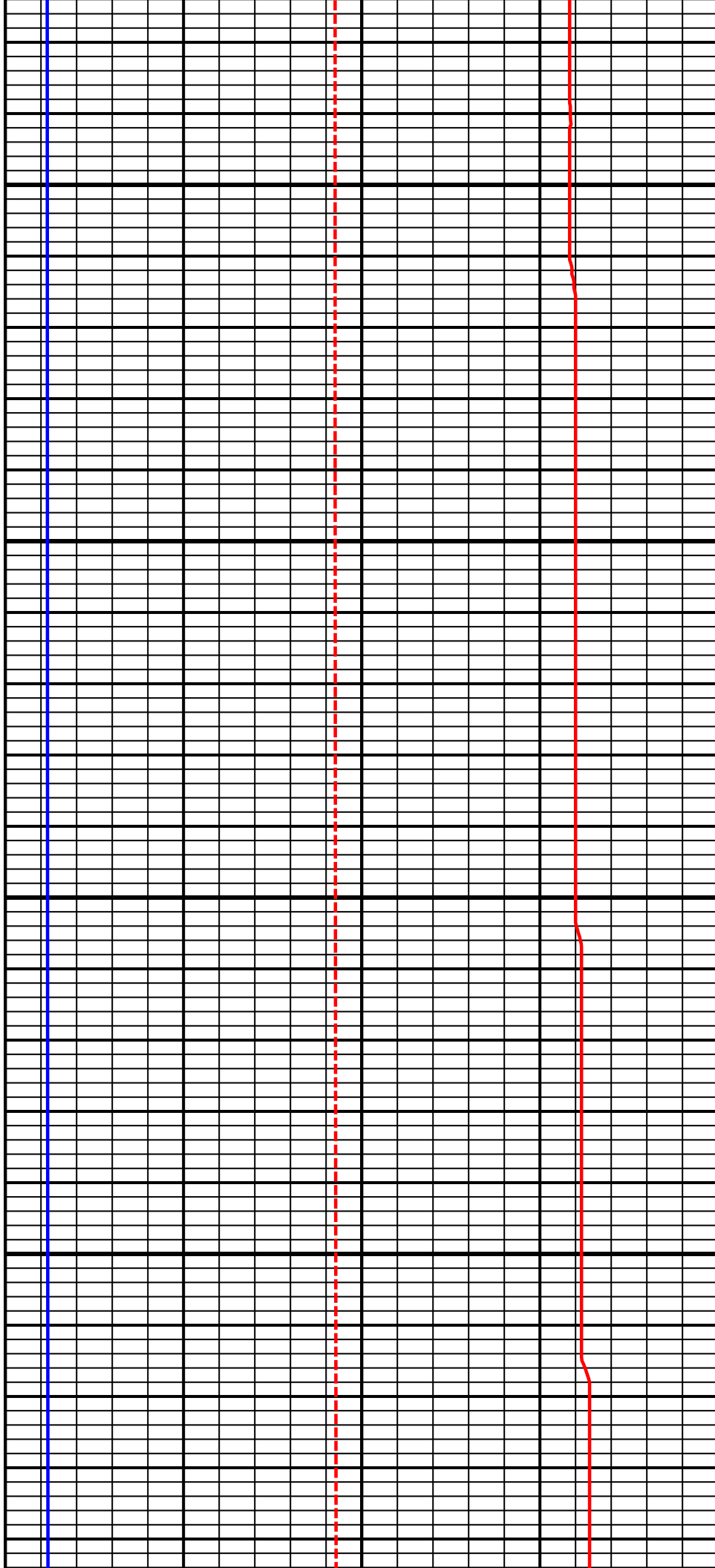
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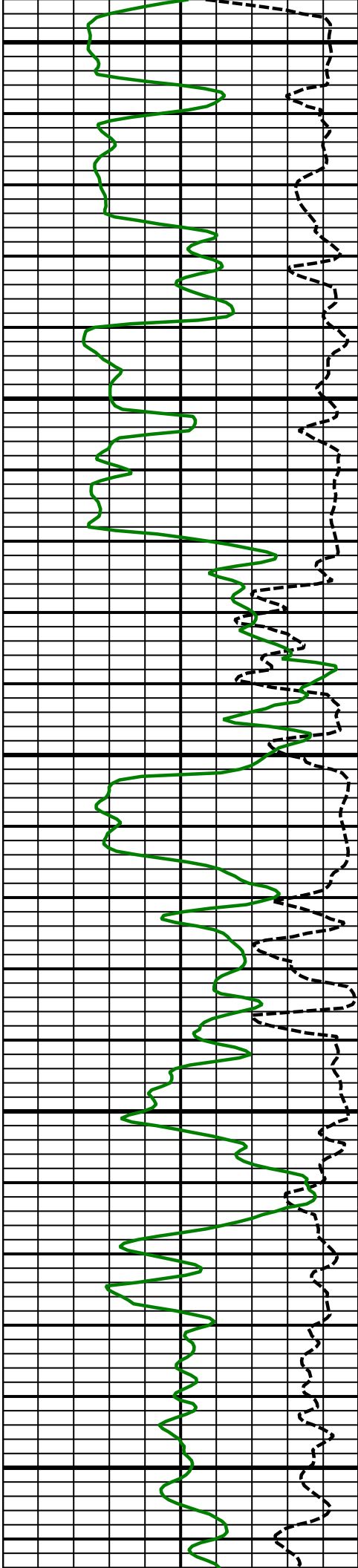




1900
MD

2000
MD

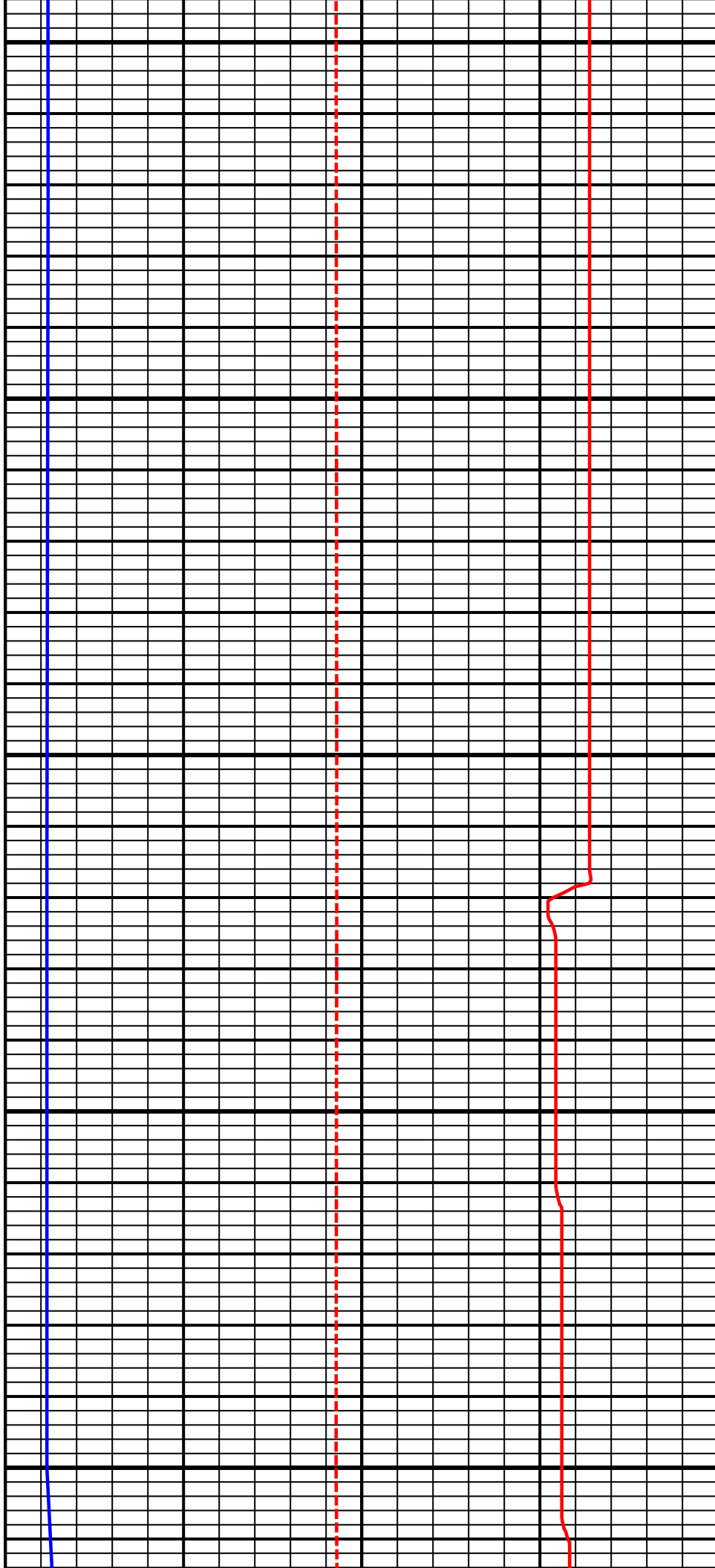


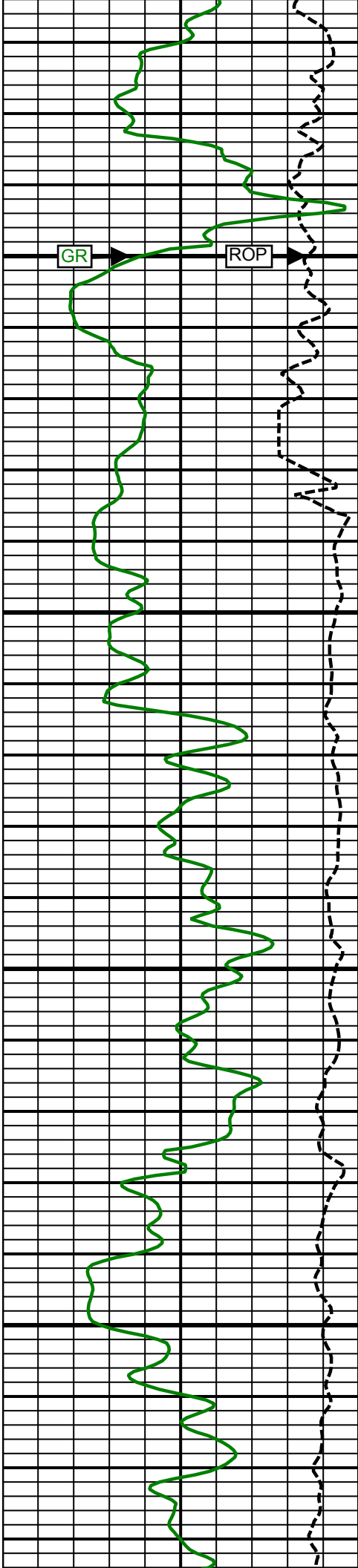


2100
MD

2200
MD

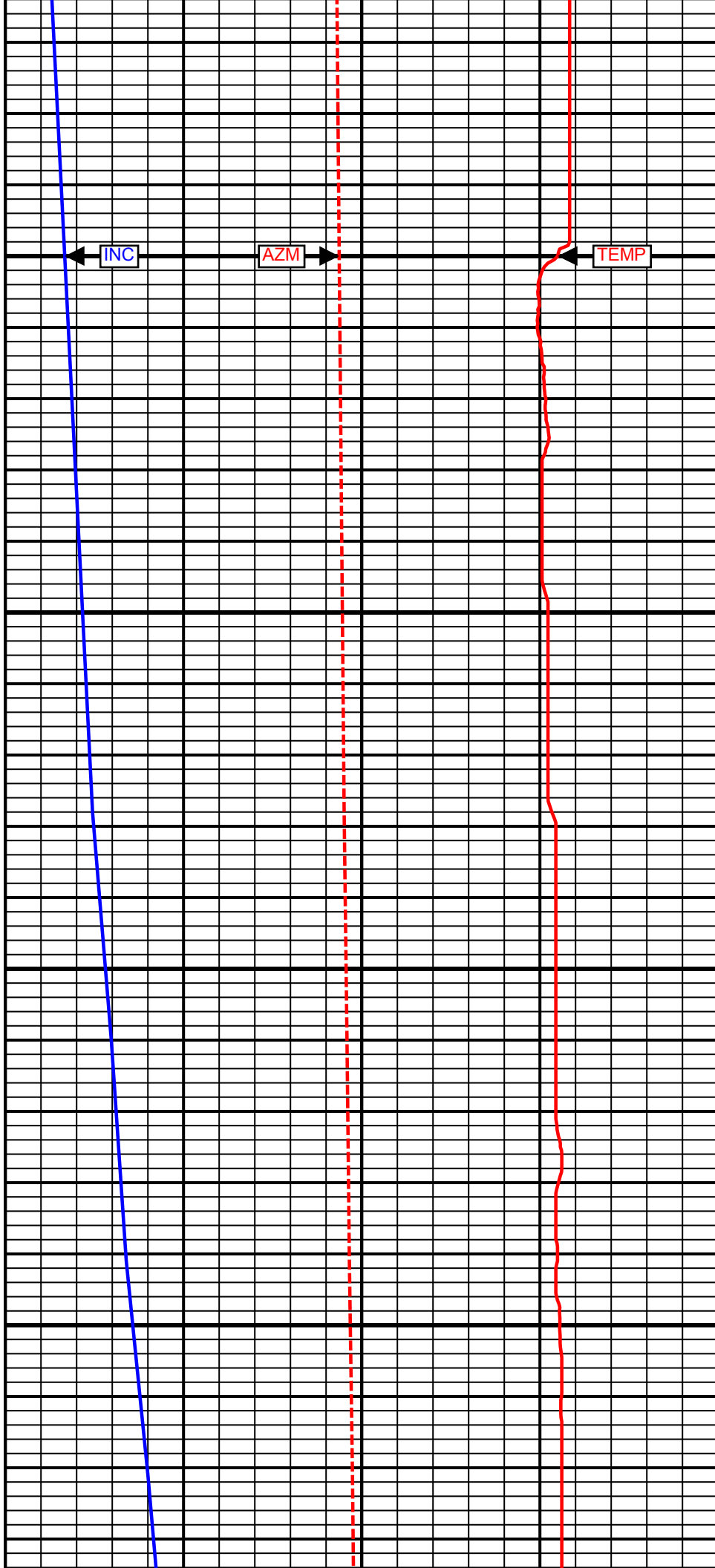
2300
MD

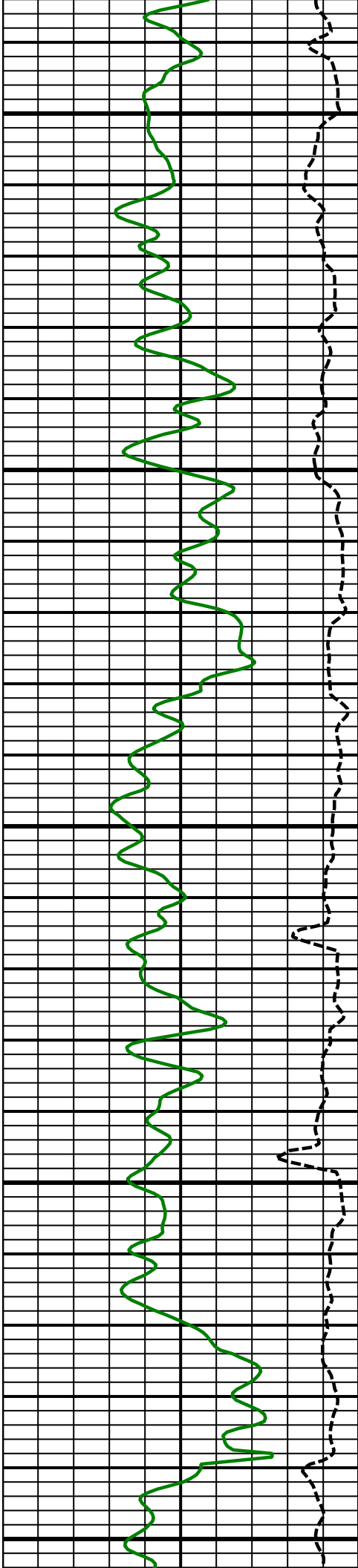




2400
MD

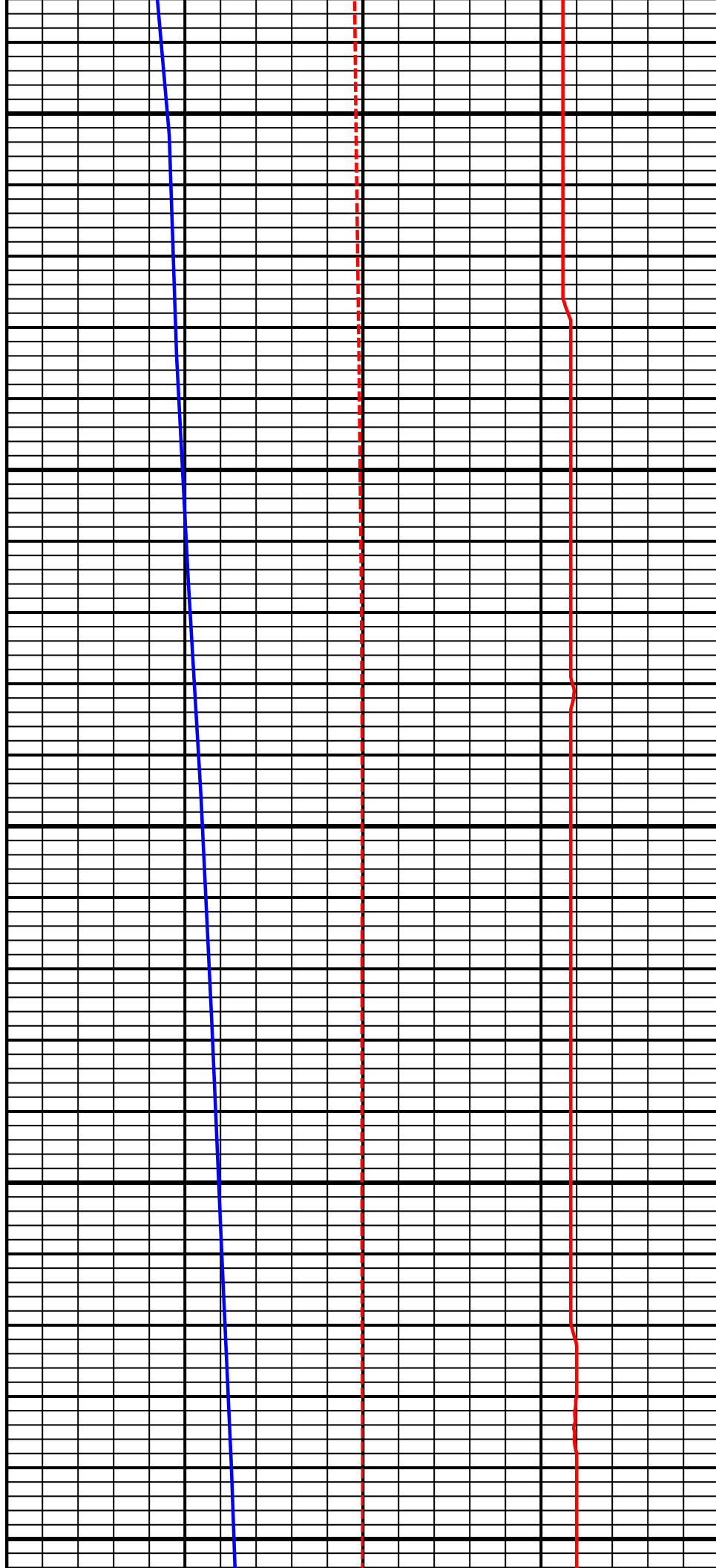
2500
MD

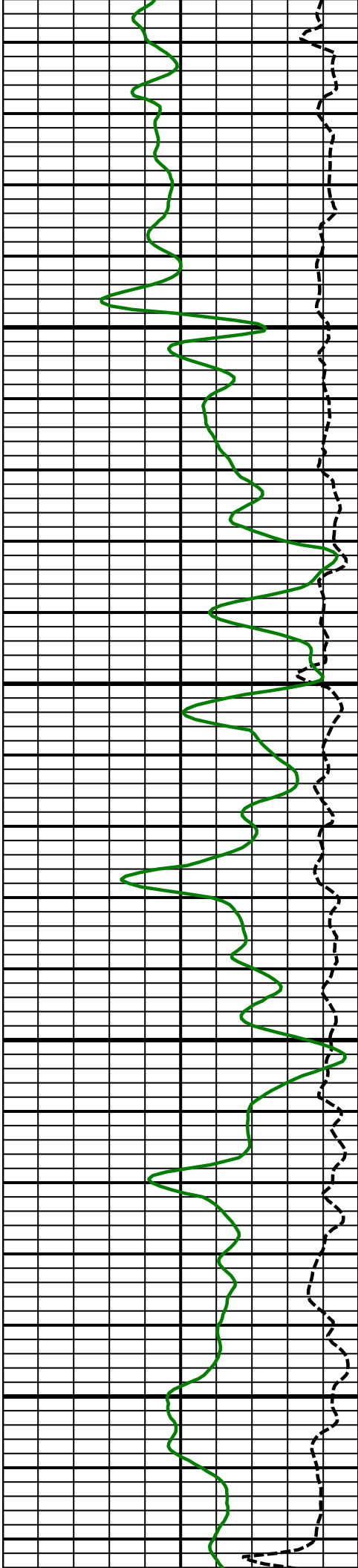




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MD

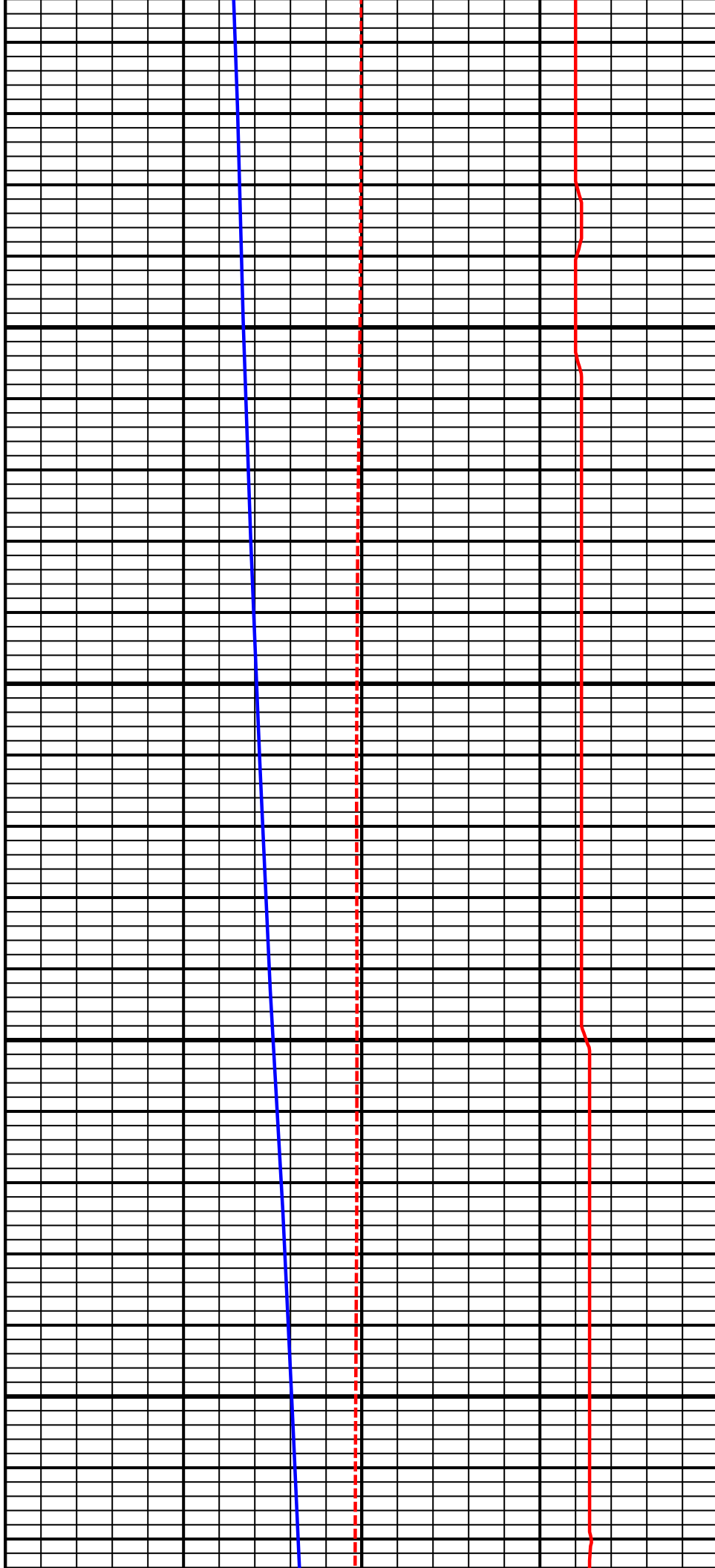
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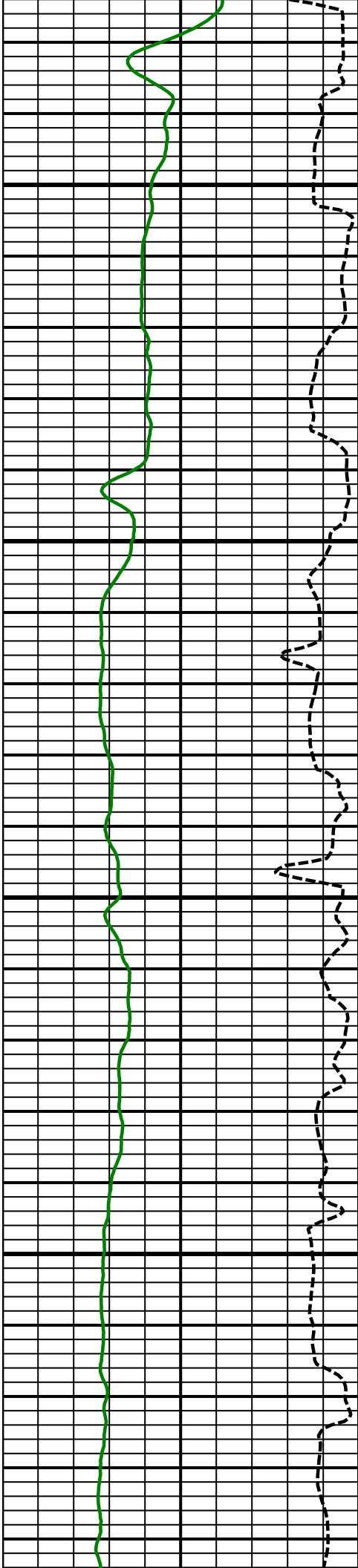




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MD

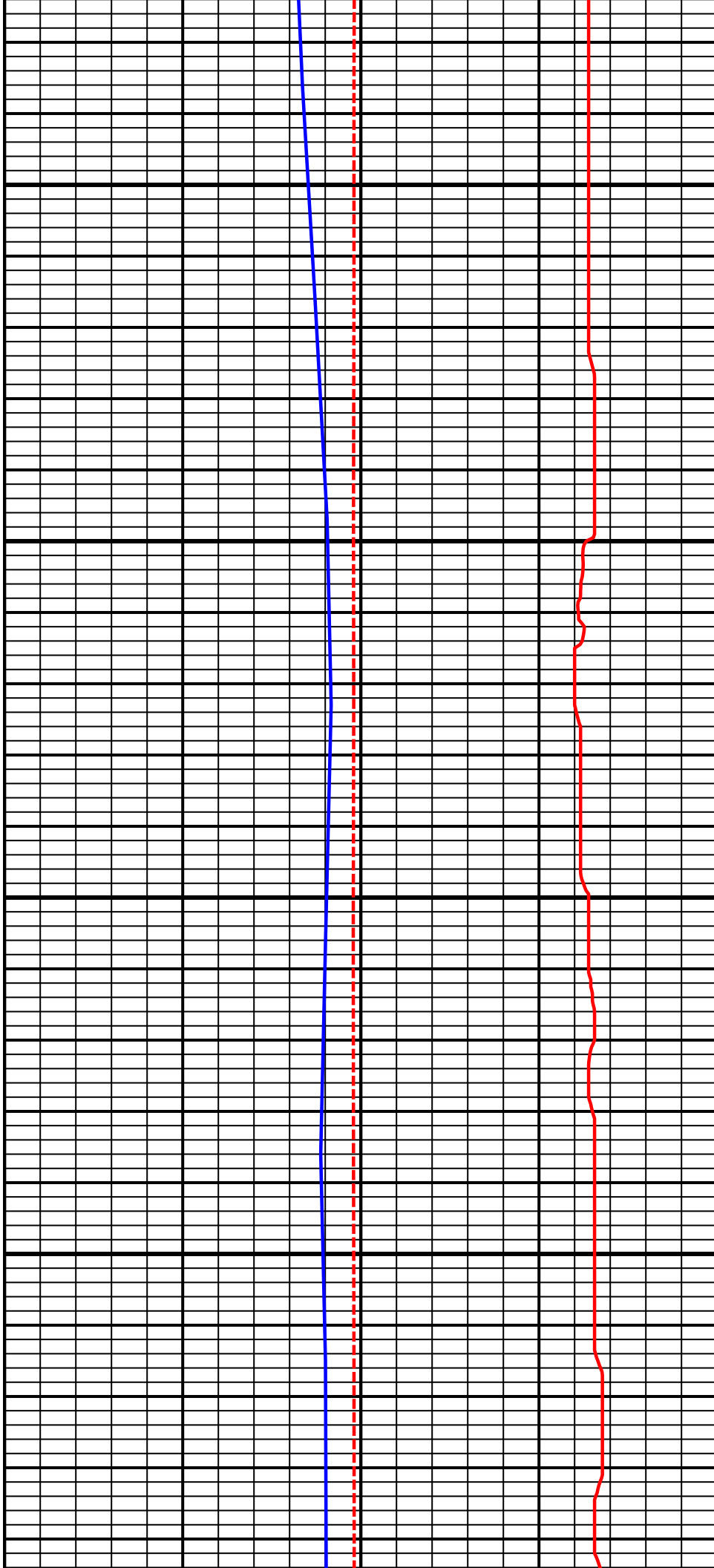
2900
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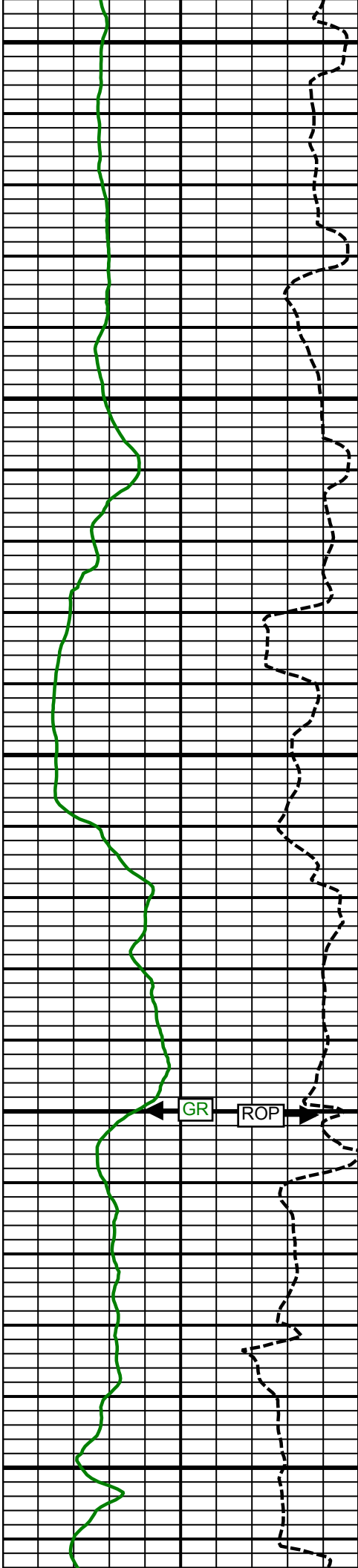




3000
MD

3100
MD





3200
MD

3300
MD

3400
MD

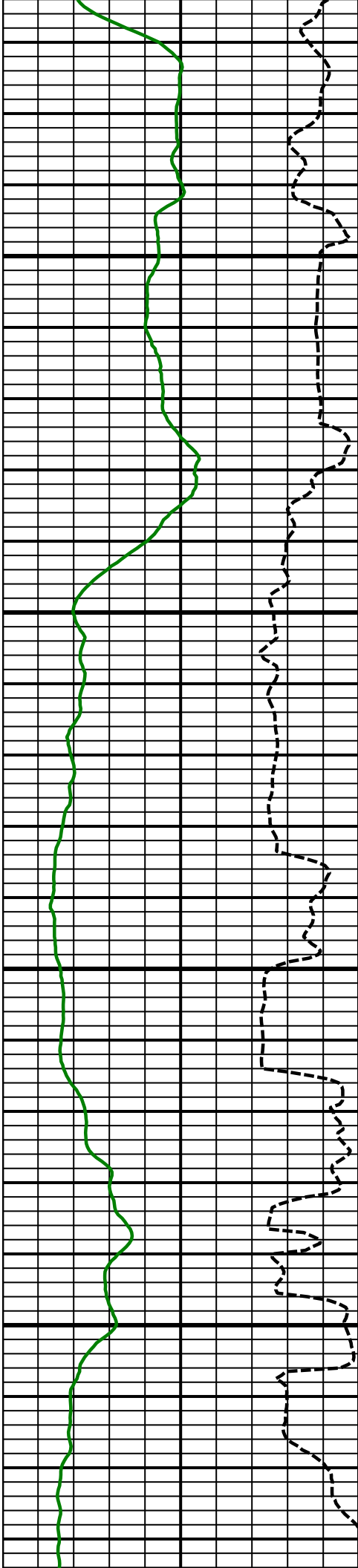
GR

ROP

INC

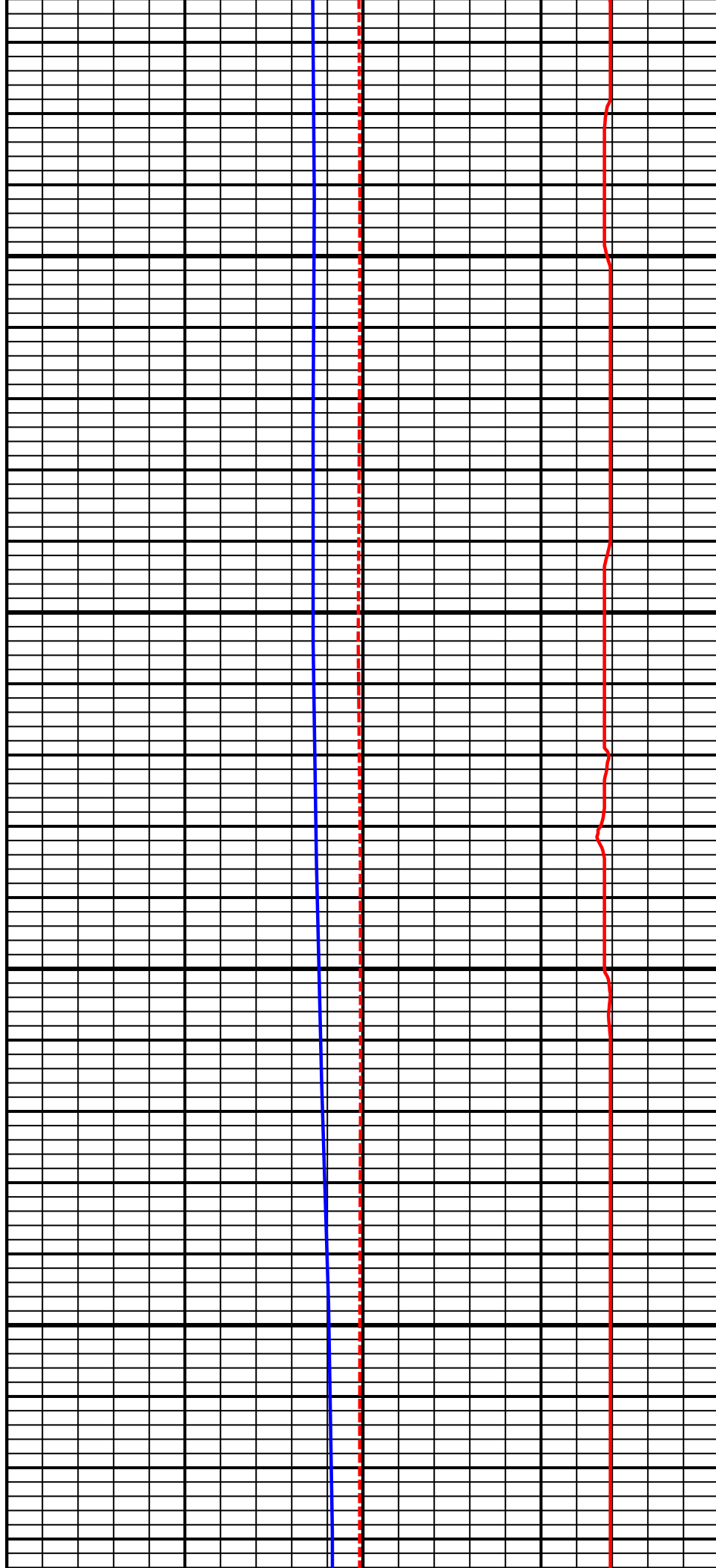
AZM

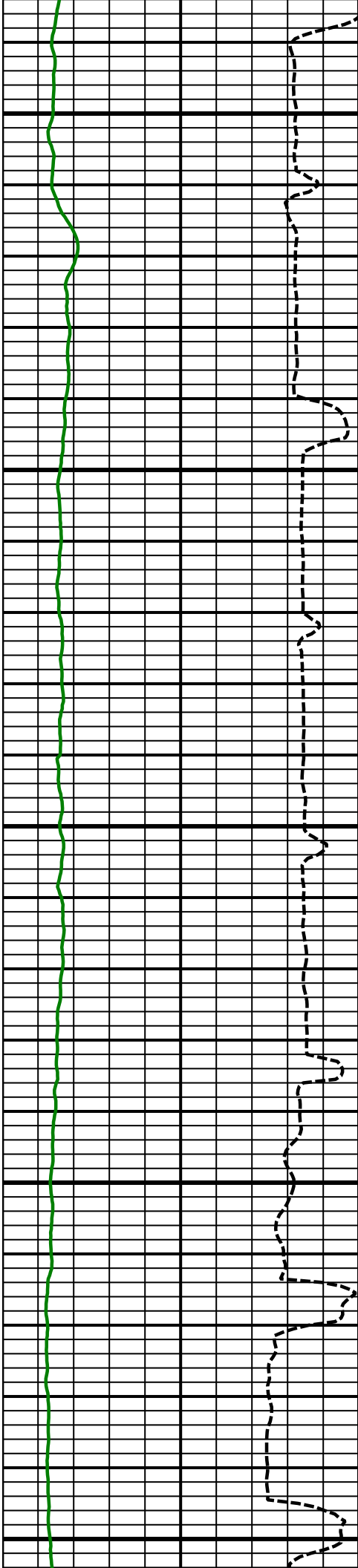
TEMP



3500
MD

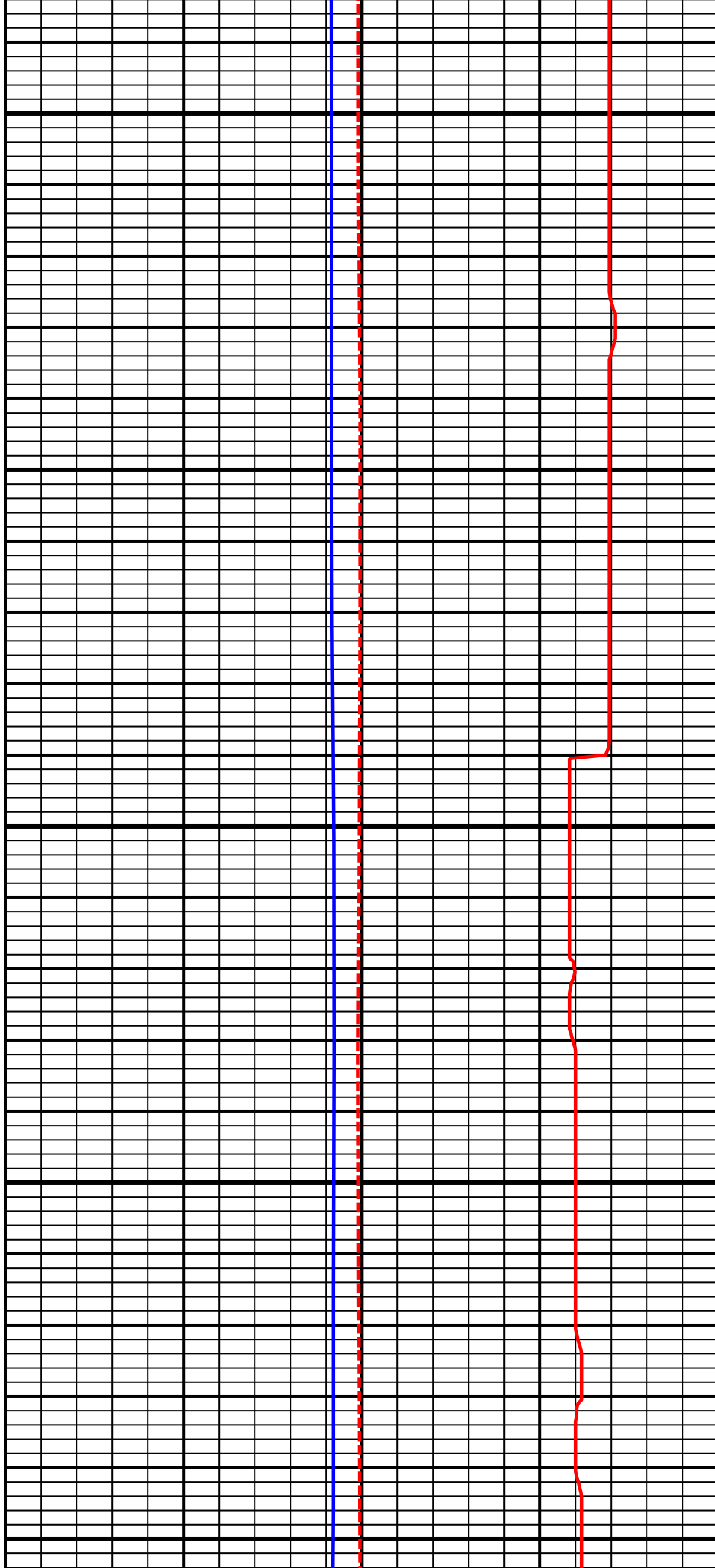
3600
MD





3700
MD

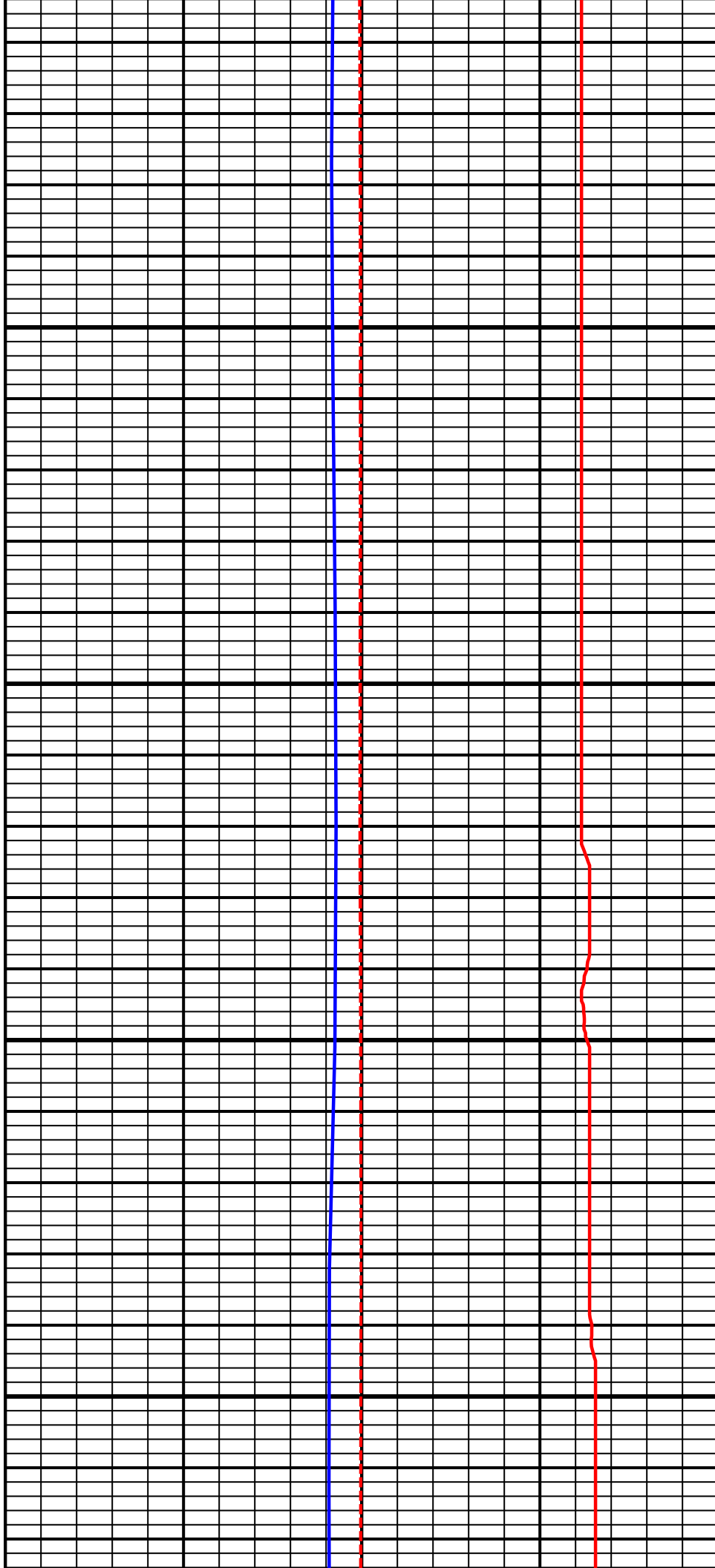
3800
MD

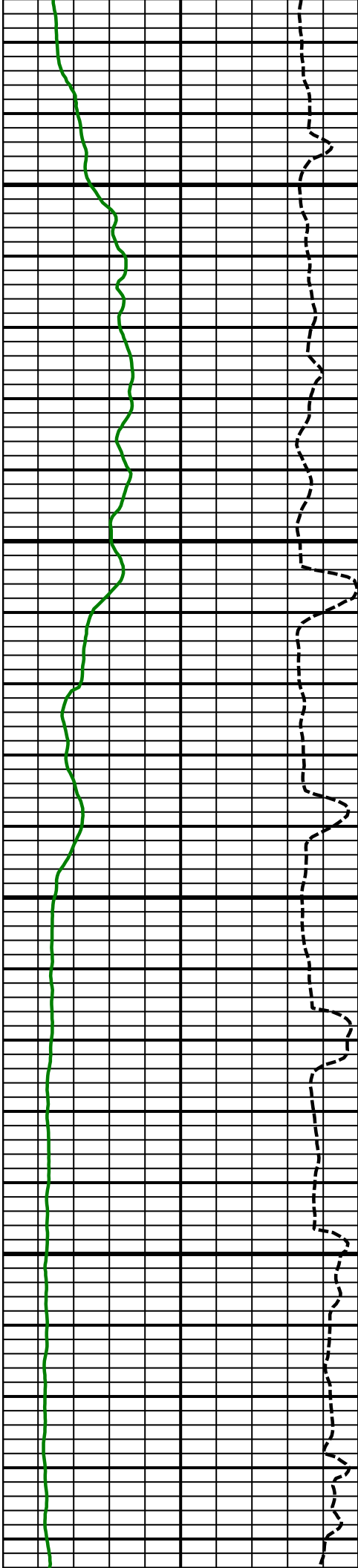




3900
MD

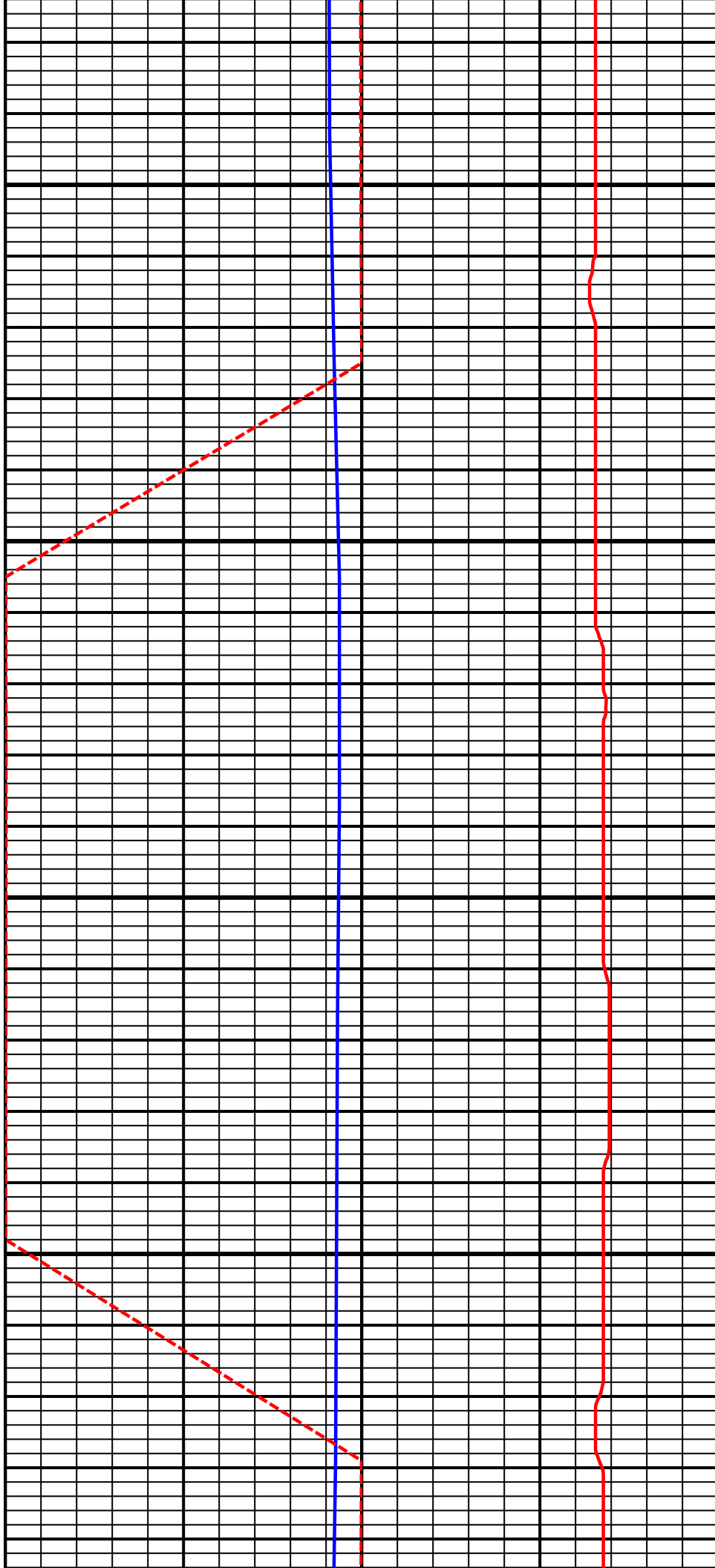
4000
MD

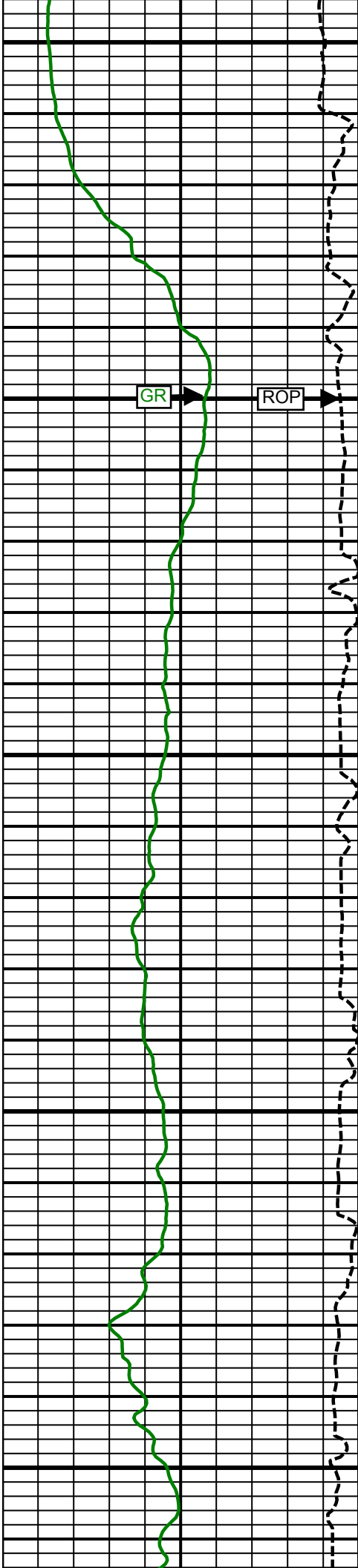




4100
MD

4200
MD

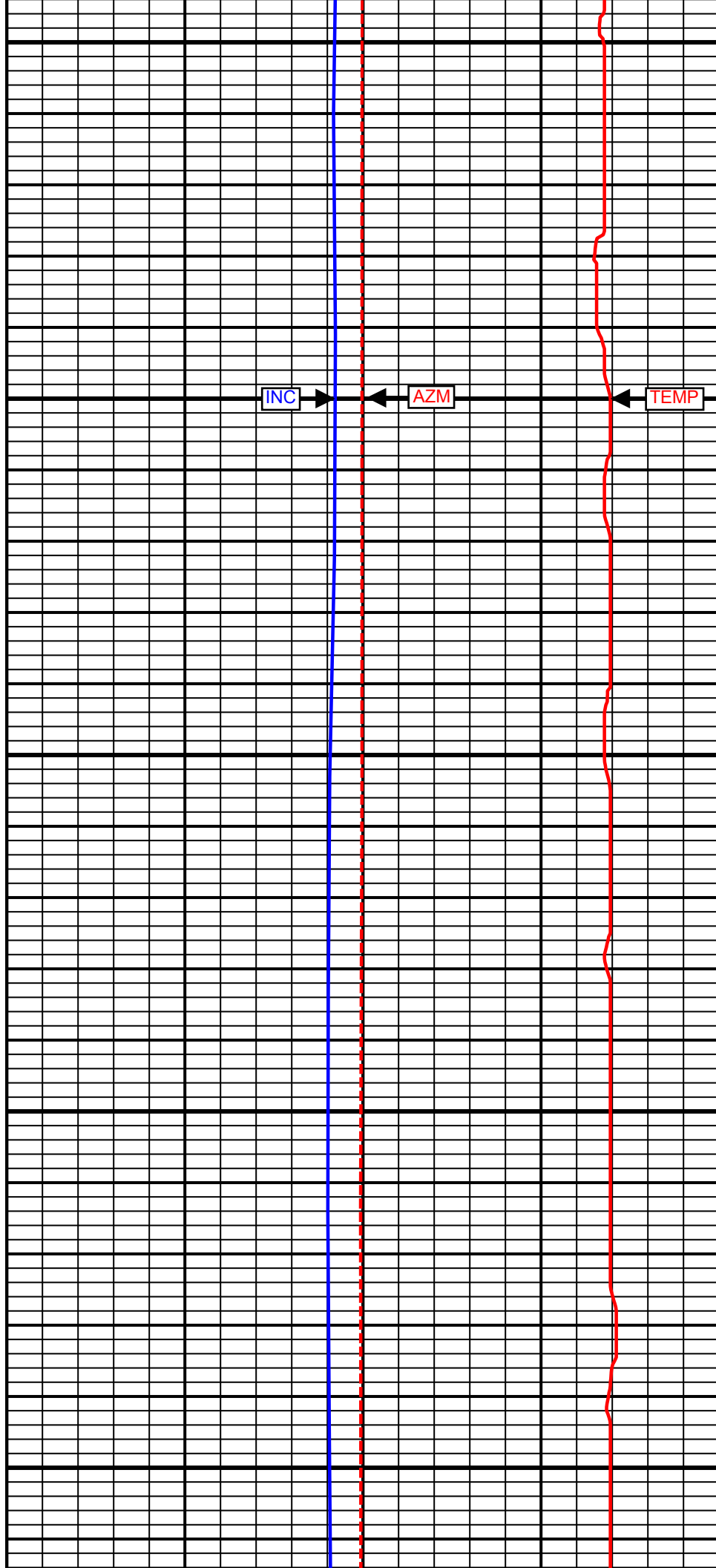




4300
MD

4400
MD

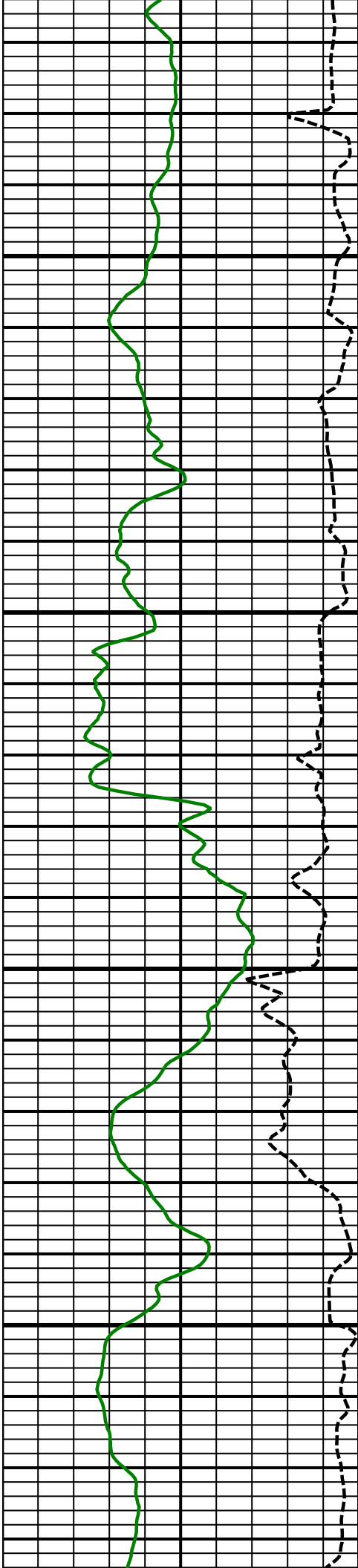
4500
MD



INC

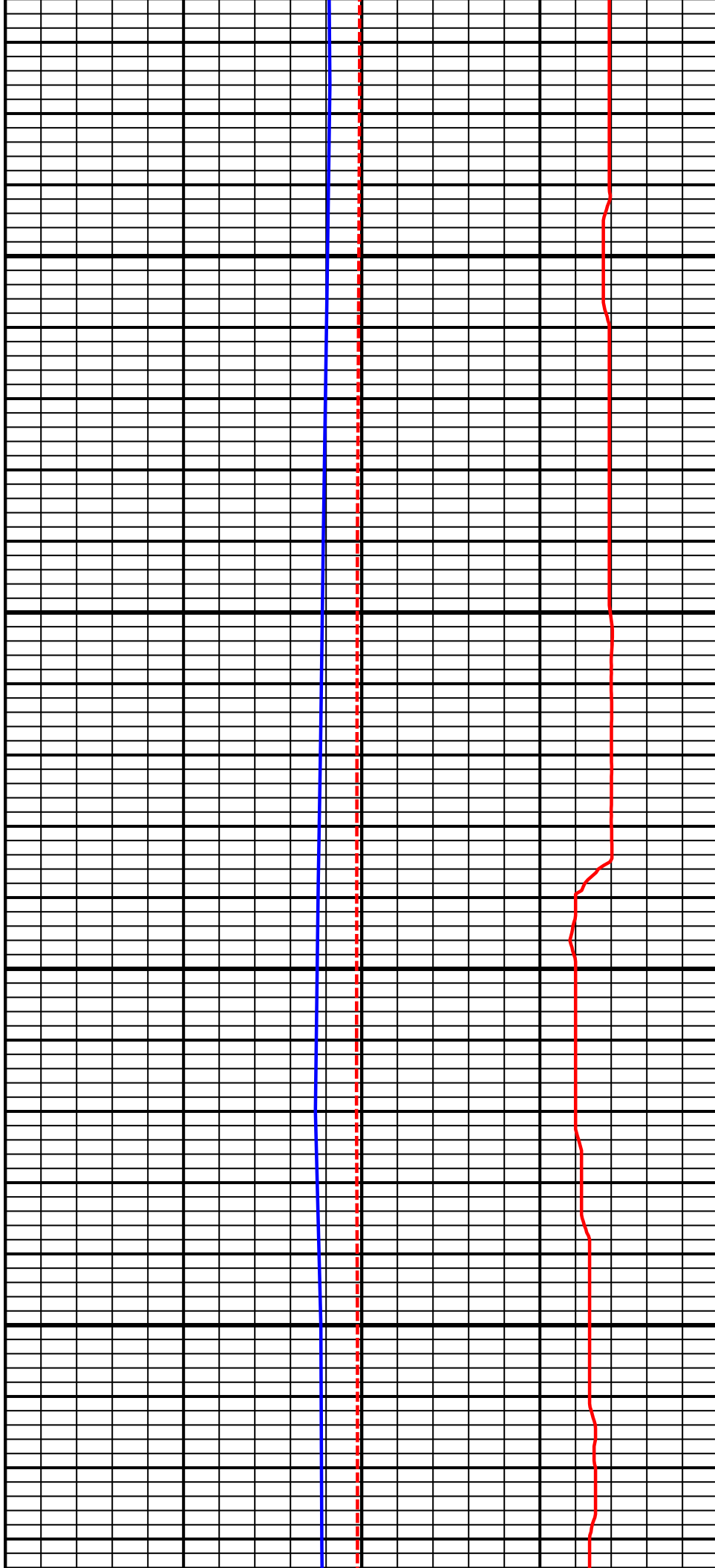
AZM

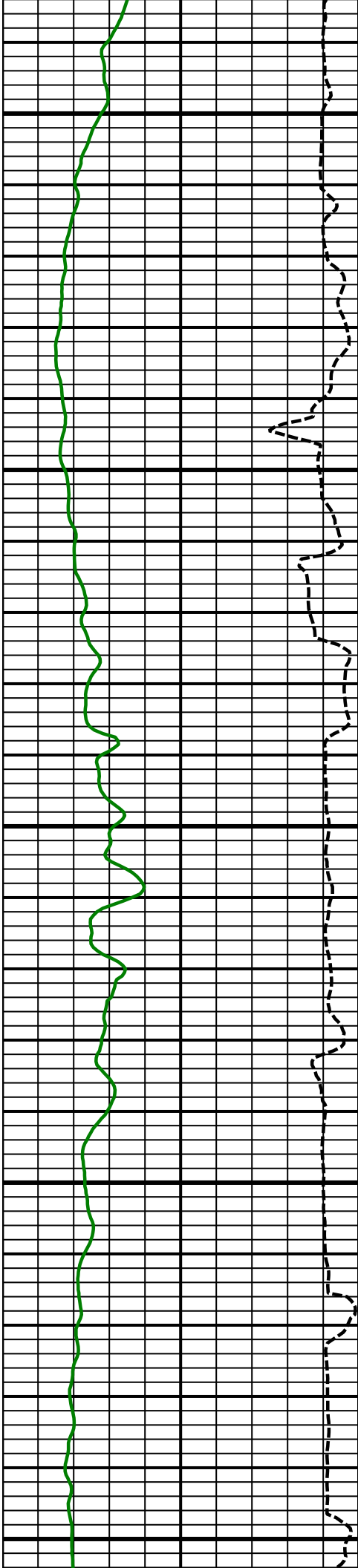
TEMP



4600
MD

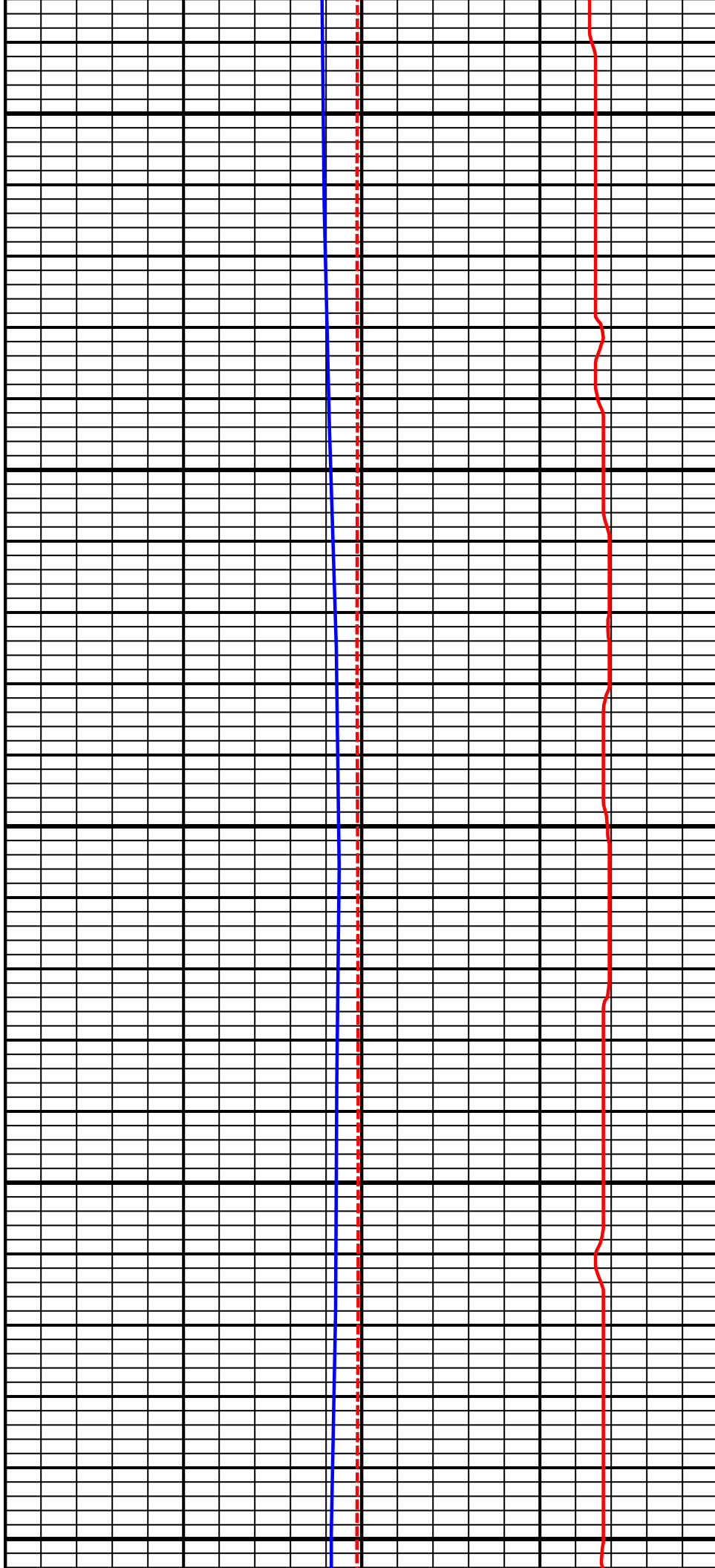
4700
MD

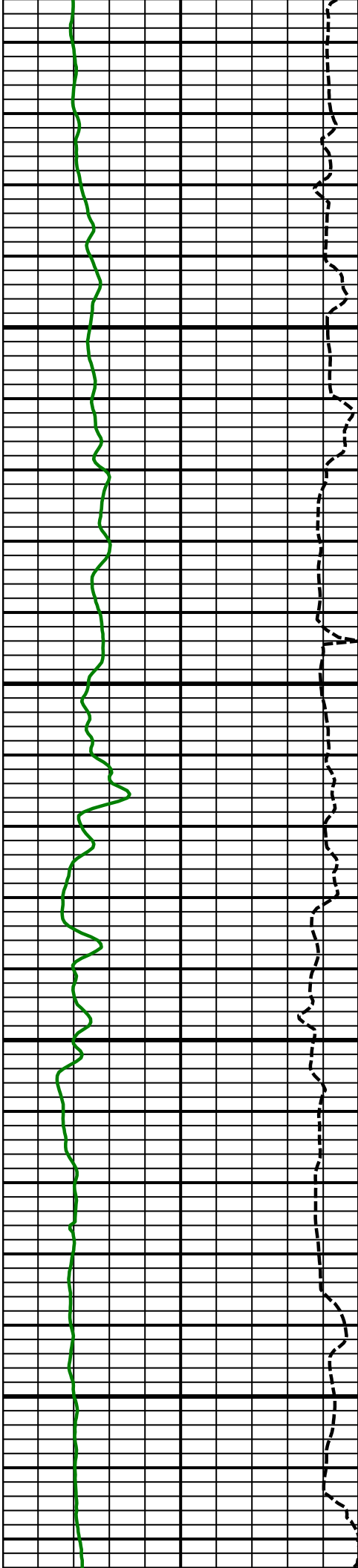




4800
MD

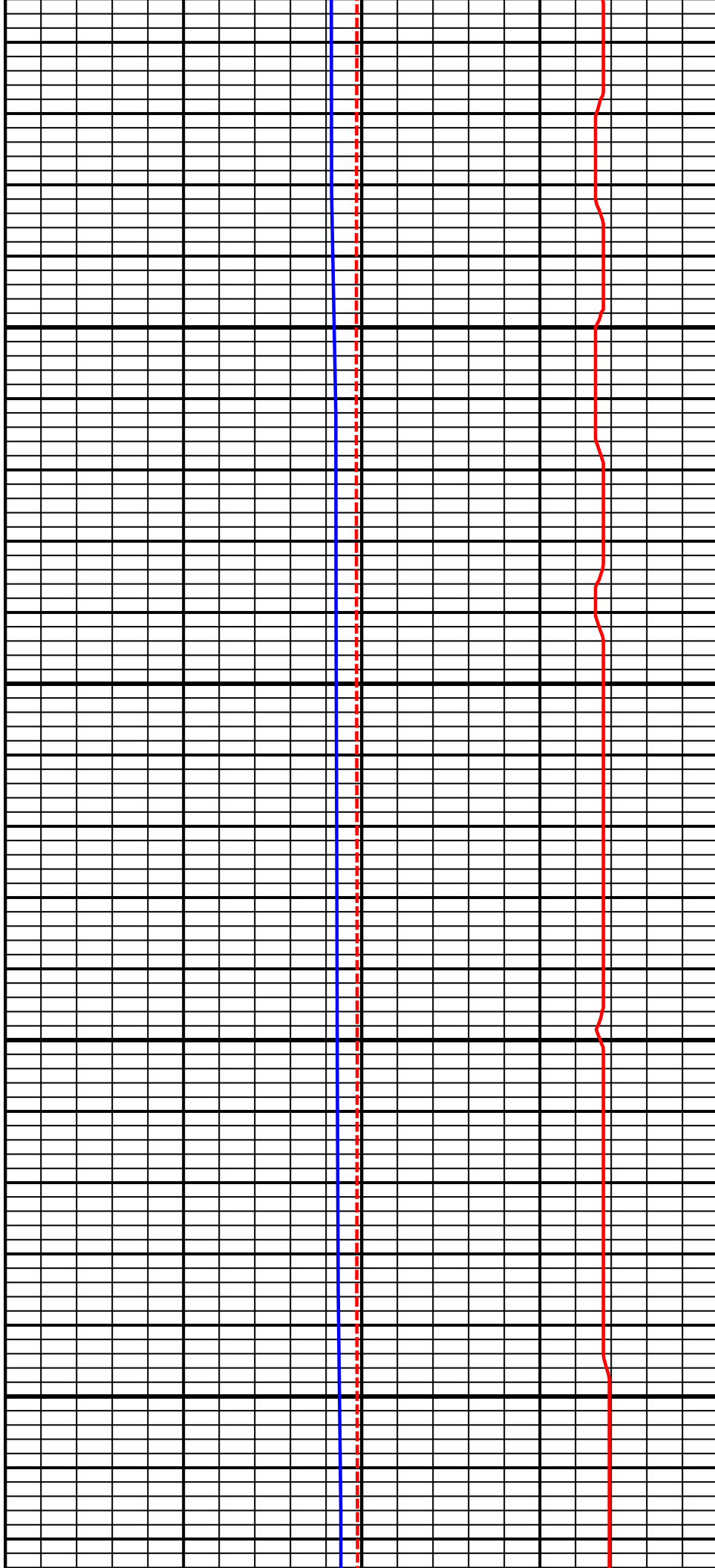
4900
MD

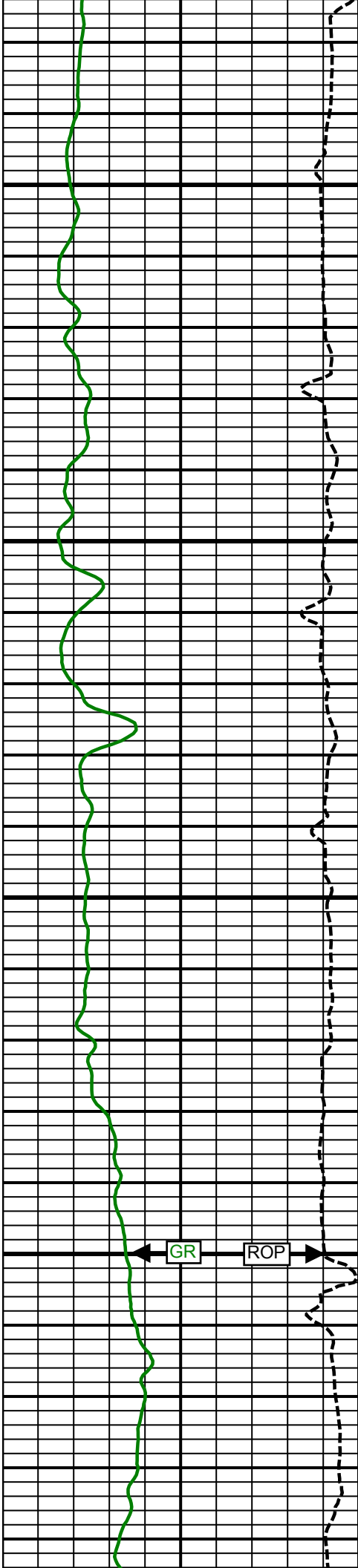




5000
MD

5100
MD



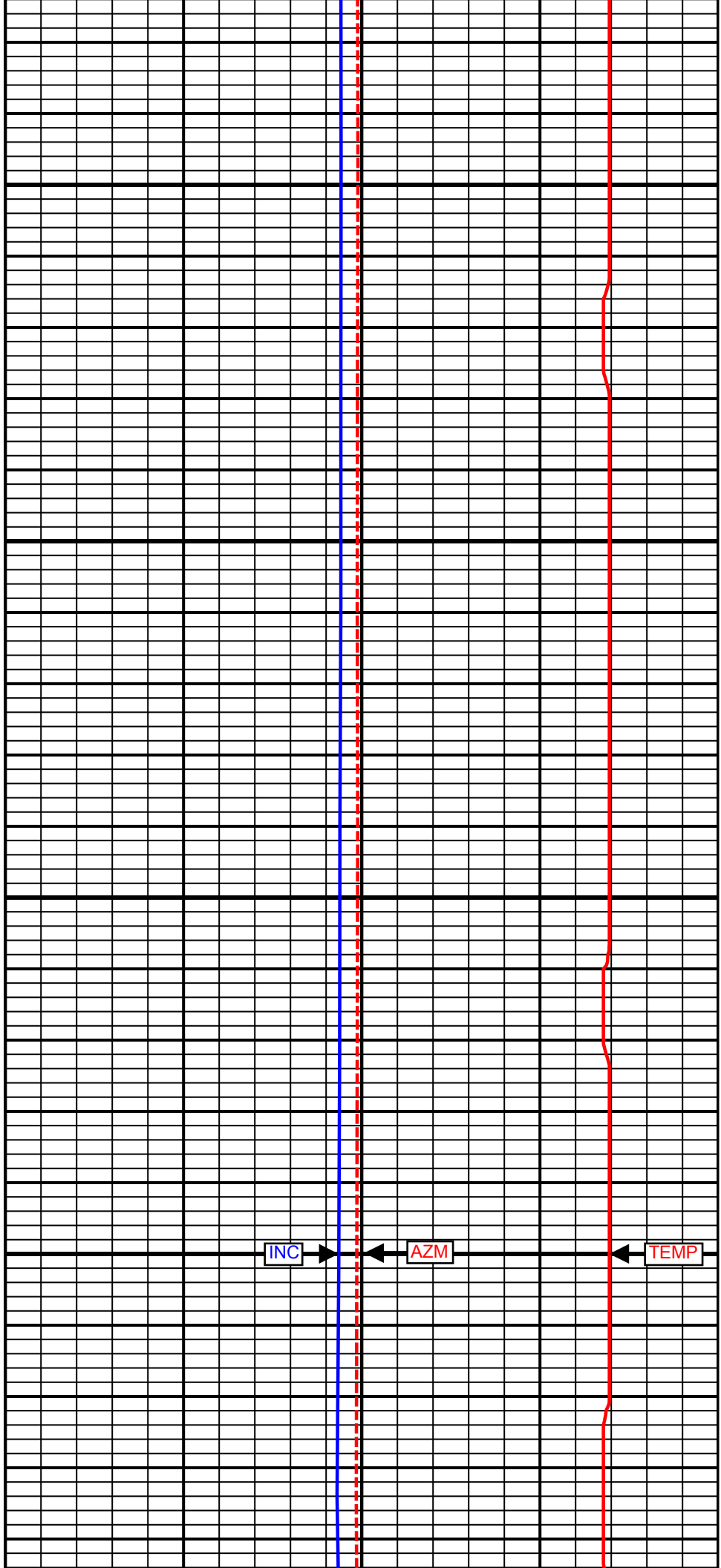


5200
MD

5300
MD

GR

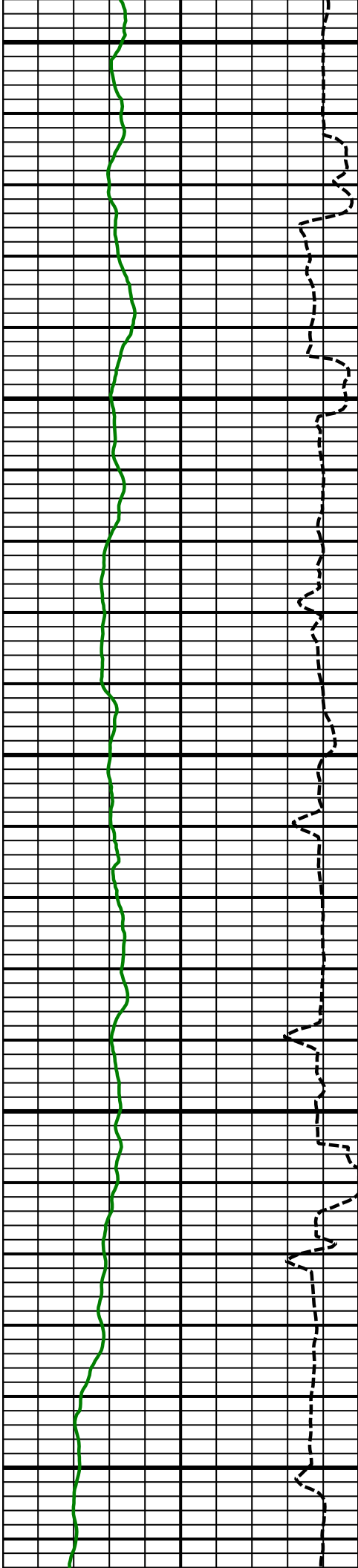
ROP



INC

AZM

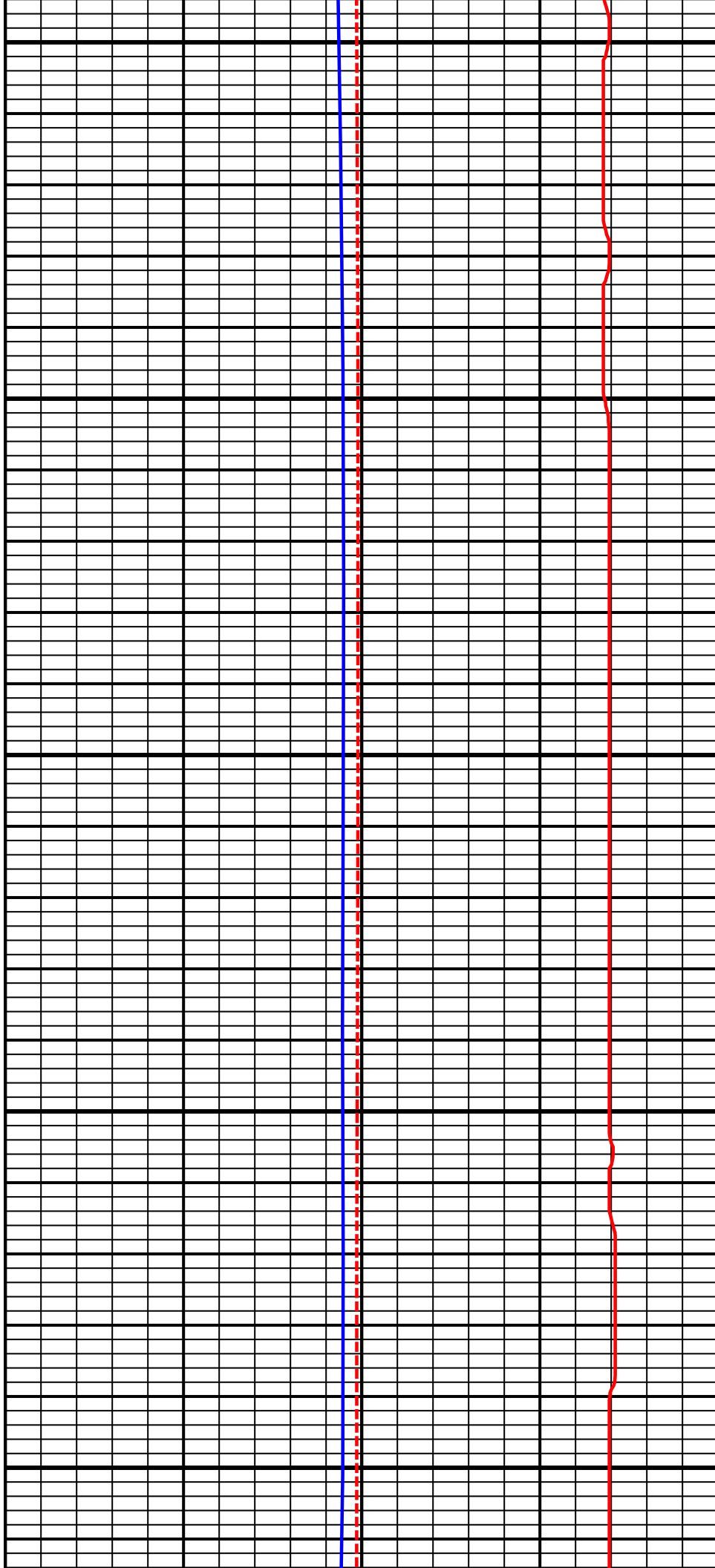
TEMP

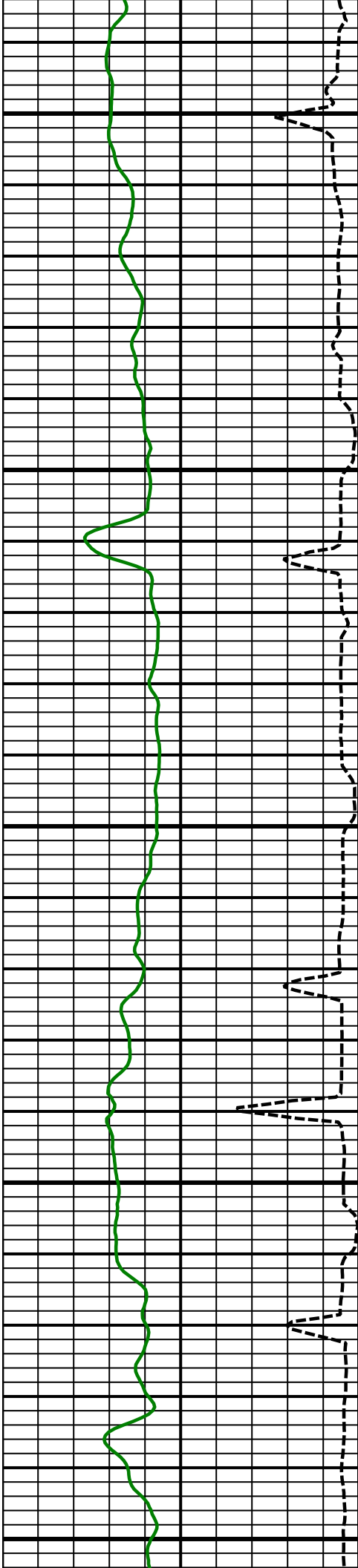


5400
MD

5500
MD

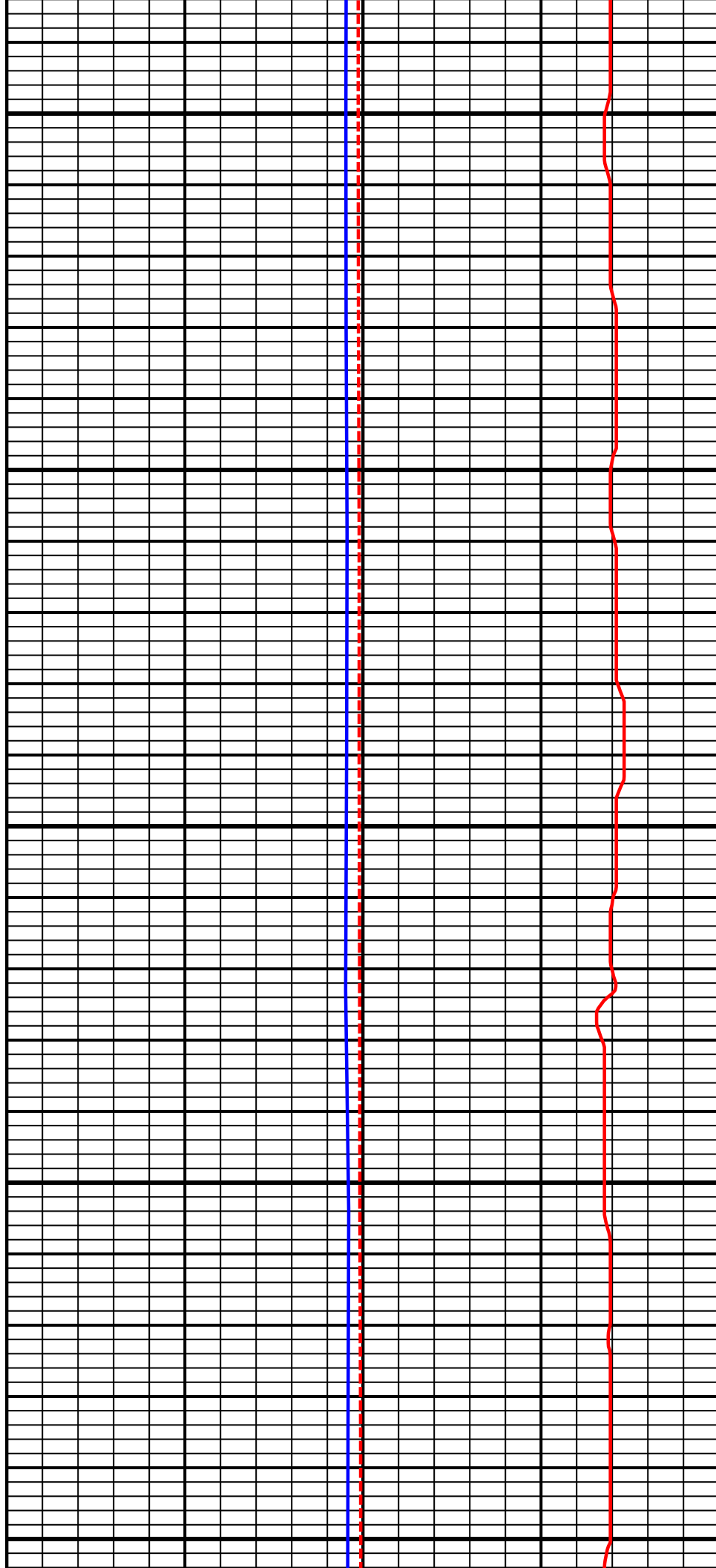
5600
MD

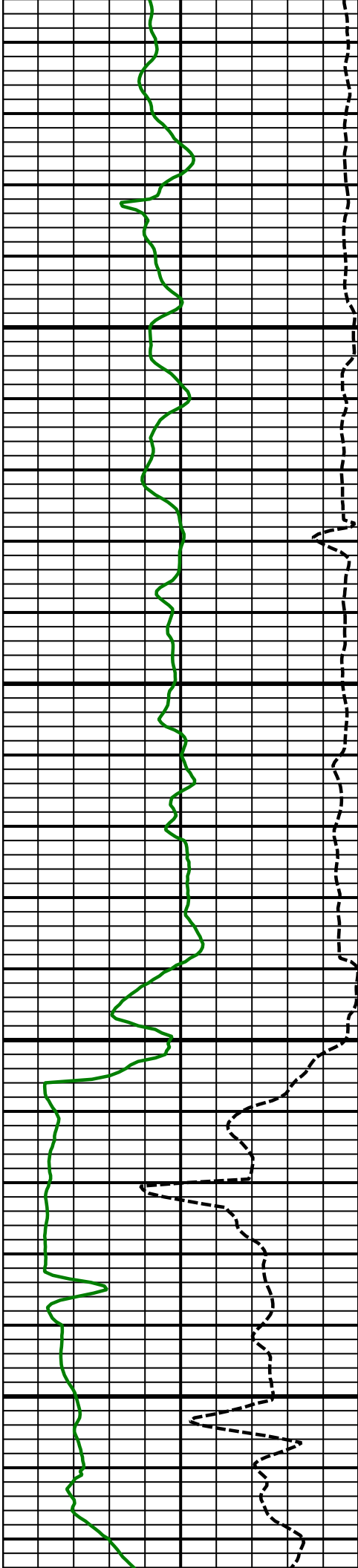




5900
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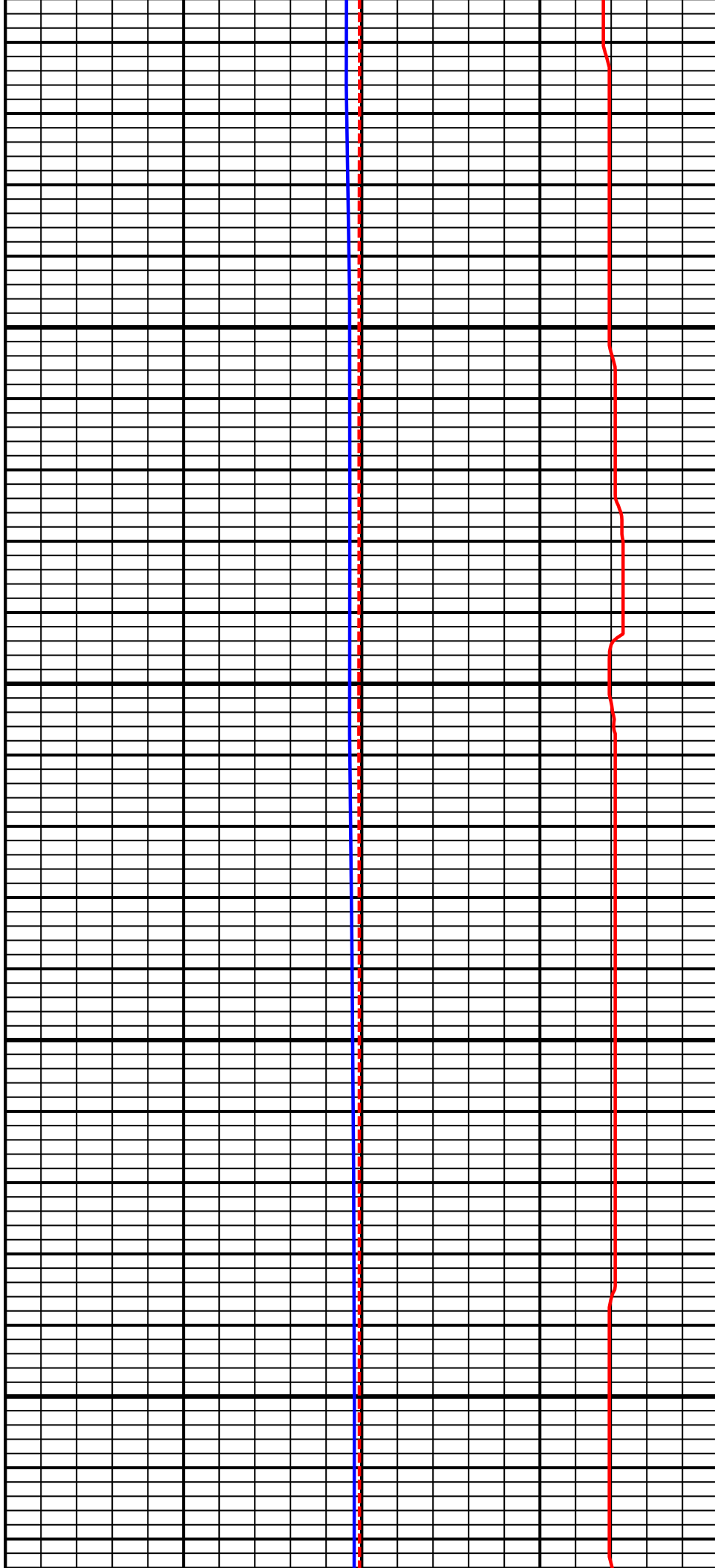
6000
MD

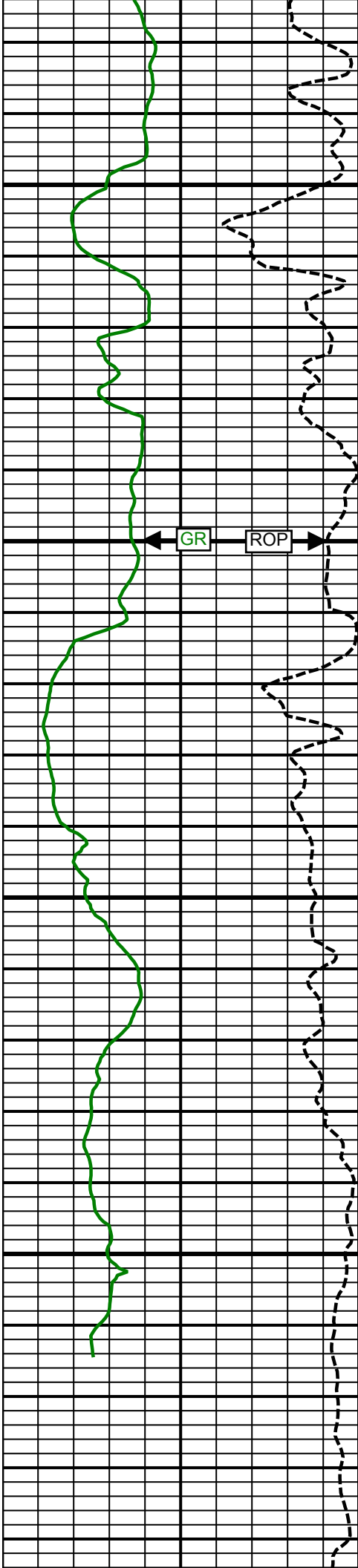




6100
MD

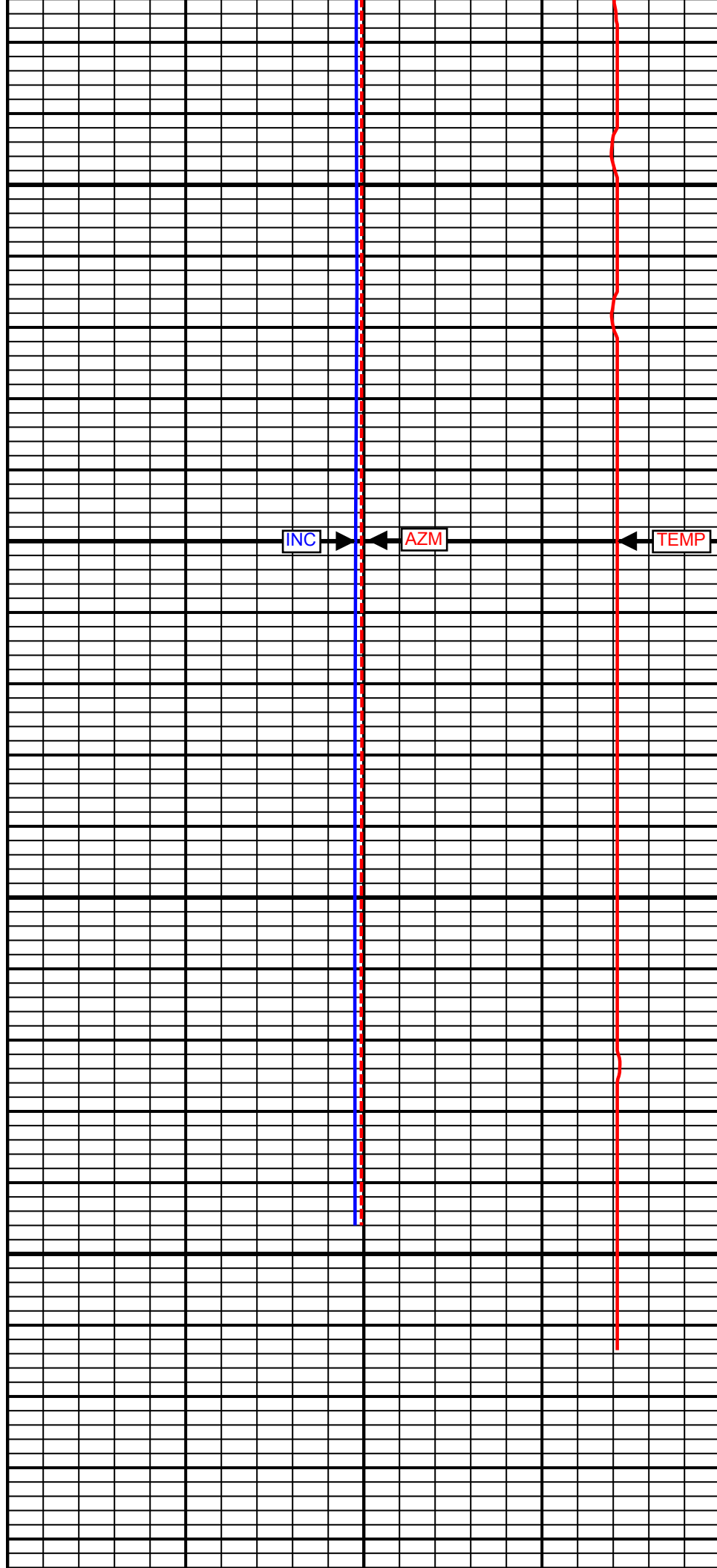
6200
MD





6300
MD

6400
MD



INC

AZM

TEMP

The image shows a blank well log template with a grid and axes for various parameters. The template is divided into three main sections: a left section for ROP and GR, a middle section for MD, and a right section for INC, AZM, and TEMP.

- Left Section:**
 - Rate of Penetration (ROP):** The top axis is labeled "Rate of Penetration (ROP) (fph)" and ranges from 300 to 0.
 - EM Recorded Gamma (GR):** The bottom axis is labeled "EM Recorded Gamma (GR) (AAPI)" and ranges from 0 to 150.
- Middle Section:**
 - MD [ft]:** The vertical axis is labeled "MD [ft]" and ranges from 0 to 6500.
- Right Section:**
 - Inclination (INC):** The top axis is labeled "Inclination (INC) (deg)" and ranges from 0 to 100.
 - Azimuth (AZM):** The bottom axis is labeled "Azimuth (AZM) (deg)" and ranges from 0 to 360.
 - Recorded Temperature (TEMP):** The bottom axis is labeled "Recorded Temperature (TEMP) (F)" and ranges from 0 to 180.

The template includes a grid for plotting data. The ROP and GR axes are on the left, the MD axis is in the center, and the INC, AZM, and TEMP axes are on the right. The MD axis is labeled "6500 MD" at the top.

6500
MD

[illegible]

<p>Rate of Penetration (ROP)</p> <p>300 (fph) 0</p> <p>EM Recorded Gamma (GR)</p> <p>0 (AAPL) 150</p>	<p>MD</p> <p>[ft]</p>	<p>Inclination (INC)</p> <p>0 (deg) 100</p> <p>Azimuth (AZM)</p> <p>0 (deg) 360</p>	<p>Recorded Temperature (TEMP)</p> <p>0 (F) 180</p>
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MD
[ft]

Inclination (INC)		Recorded Temperature (TEMP)	
0	(deg)	0	(F)
100		180	

SURVEY REPORT

Survey Calculation Method: Minimum Curvature

Magnetic Reference	Target Direction	Total Magnetic Field	Magnetic Dip Angle	Magnetic Declination	Grid Convergence	Total Correction
True	353.89 deg	50613 nT	63.69 deg	9.55 deg	0.00 deg	9.55 deg
Survey Tie-On	Depth	INC	AZ	TVD	NS	EW
	2300.04 ft	11.64 deg	334.06 deg	2259.71 ft	345.79 ft	-167.53 ft

Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	NS (ft)	EW (ft)	VSect (ft)	Dogleg (deg/100ft)
323.00	0.30	126.68	322.95	-0.28	0.12	-0.29	1.10
353.00	0.45	79.49	352.95	-0.31	0.30	-0.34	1.10
383.00	0.96	10.85	382.95	-0.04	0.46	-0.09	3.00
416.00	2.87	335.97	415.93	0.99	0.18	0.96	6.53
447.00	5.07	334.22	446.86	2.93	-0.73	2.99	7.11
479.00	6.97	334.18	478.68	5.95	-2.19	6.15	5.94
510.00	8.55	334.00	509.39	9.72	-4.02	10.09	5.10
542.00	9.55	333.81	540.99	14.24	-6.24	14.82	3.13
573.00	9.82	333.90	571.55	18.92	-8.53	19.72	0.87
603.00	9.91	334.56	601.11	23.55	-10.77	24.56	0.48
635.00	10.39	333.92	632.61	28.63	-13.22	29.87	1.54
664.00	11.02	333.83	661.10	33.46	-15.59	34.93	2.17
695.00	11.81	333.12	691.49	38.95	-18.33	40.68	2.59
726.00	11.87	333.44	721.83	44.63	-21.19	46.63	0.29
757.00	12.04	332.86	752.16	50.36	-24.09	52.64	0.67
788.00	12.13	332.46	782.47	56.13	-27.07	58.69	0.40
819.00	12.35	332.33	812.77	61.95	-30.12	64.80	0.72
913.00	11.49	337.74	904.74	79.52	-38.34	83.15	1.50
1006.00	11.60	336.20	995.86	96.65	-45.62	100.95	0.35
1097.00	12.04	335.17	1084.93	113.63	-53.30	118.66	0.54
1191.00	12.51	335.04	1176.78	131.76	-61.71	137.58	0.50
1285.00	12.99	336.20	1268.46	150.65	-70.27	157.28	0.58
1379.00	13.30	336.15	1360.00	170.21	-78.90	177.64	0.33
1473.00	13.67	336.14	1451.41	190.26	-87.77	198.52	0.39
1565.00	12.96	331.47	1540.94	209.26	-97.09	218.41	1.40
1656.00	12.59	330.45	1629.68	226.86	-106.86	236.94	0.48
1750.00	12.81	330.43	1721.38	244.83	-117.05	255.90	0.23
1842.00	11.69	333.08	1811.29	262.01	-126.31	273.97	1.36
1936.00	11.74	332.92	1903.33	279.02	-134.97	291.80	0.06
2030.00	11.84	333.60	1995.35	296.17	-143.61	309.78	0.18
2121.00	11.94	334.26	2084.40	313.01	-151.85	327.40	0.19
2215.00	11.62	334.71	2176.42	330.33	-160.12	345.50	0.35
2428.00	24.42	342.08	2381.15	382.72	-181.37	399.86	10.15

2428.00	24.42	342.08	2381.15	382.72	-181.57	399.80	10.15
2460.00	29.70	345.11	2409.64	396.69	-185.45	414.18	17.05
2491.00	33.91	347.36	2435.98	412.56	-189.32	430.36	14.11
2521.00	39.96	350.54	2459.95	430.24	-192.74	448.31	21.14
2553.00	45.55	352.96	2483.44	451.73	-195.83	470.01	18.20
2584.00	47.61	355.83	2504.75	474.14	-198.02	492.52	9.45
2616.00	50.99	358.24	2525.61	498.36	-199.26	516.74	12.01
2646.00	54.52	359.38	2543.77	522.23	-199.75	540.53	12.15
2678.00	57.60	358.97	2561.63	548.77	-200.13	566.96	9.68
2709.00	60.22	359.03	2577.64	575.31	-200.60	593.40	8.45
2740.00	63.06	359.54	2592.36	602.59	-200.93	620.55	9.27
2769.00	65.08	359.41	2605.04	628.67	-201.17	646.51	6.98
2799.00	66.69	358.24	2617.30	656.04	-201.74	673.79	6.44
2830.00	68.84	355.86	2629.03	684.69	-203.22	702.43	9.93
2861.00	71.40	354.65	2639.57	713.74	-205.63	731.57	9.04
2893.00	74.27	354.99	2649.02	744.19	-208.39	762.14	9.03
2924.00	77.82	354.75	2656.49	774.15	-211.08	792.22	11.48
2955.00	80.75	353.72	2662.25	804.45	-214.14	822.67	10.00
2986.00	83.60	353.04	2666.47	834.95	-217.68	853.38	9.45
3016.00	87.10	352.90	2668.91	864.63	-221.34	883.27	11.68
3047.00	90.47	352.47	2669.56	895.36	-225.29	914.25	10.96
3073.00	91.61	352.73	2669.09	921.14	-228.63	940.24	4.50
3105.00	90.09	352.30	2668.62	952.86	-232.80	972.23	4.94
3136.00	88.72	352.38	2668.94	983.58	-236.93	1003.22	4.43
3165.00	90.05	352.89	2669.25	1012.34	-240.65	1032.21	4.91
3194.00	90.21	353.10	2669.18	1041.13	-244.19	1061.20	0.91
3226.00	89.89	352.89	2669.16	1072.89	-248.09	1093.20	1.20
3257.00	89.53	353.27	2669.31	1103.66	-251.83	1124.20	1.69
3288.00	88.00	353.84	2669.98	1134.46	-255.30	1155.19	5.27
3319.00	87.60	354.83	2671.17	1165.28	-258.36	1186.16	3.44
3350.00	86.49	355.18	2672.77	1196.12	-261.06	1217.11	3.75
3381.00	86.15	354.98	2674.76	1226.94	-263.71	1248.04	1.27
3412.00	85.85	355.72	2676.92	1257.77	-266.22	1278.96	2.57
3442.00	86.31	356.73	2678.97	1287.63	-268.19	1308.86	3.69
3473.00	85.99	356.35	2681.05	1318.51	-270.06	1339.76	1.60
3504.00	85.96	354.97	2683.23	1349.34	-272.40	1370.67	4.44
3535.00	86.93	357.13	2685.15	1380.20	-274.53	1401.58	7.63
3566.00	88.39	357.42	2686.42	1411.14	-276.00	1432.50	4.80
3597.00	90.33	356.81	2686.76	1442.10	-277.56	1463.45	6.56
3629.00	91.35	356.53	2686.29	1474.04	-279.42	1495.41	3.31
3660.00	91.47	356.44	2685.53	1504.97	-281.32	1526.37	0.48
3690.00	91.43	357.92	2684.77	1534.93	-282.79	1556.31	4.93
3721.00	91.66	357.98	2683.94	1565.90	-283.90	1587.22	0.77
3752.00	92.10	357.22	2682.92	1596.85	-285.20	1618.14	2.83
3782.00	92.15	356.30	2681.81	1626.78	-286.89	1648.08	3.07
3815.00	91.96	356.78	2680.62	1659.70	-288.88	1681.02	1.56
3846.00	91.96	357.63	2679.56	1690.65	-290.39	1711.95	2.74
3877.00	91.47	358.46	2678.64	1721.61	-291.45	1742.86	3.11
3908.00	91.91	358.75	2677.72	1752.59	-292.21	1773.74	1.70
3939.00	92.47	358.33	2676.54	1783.56	-293.00	1804.61	2.26
3970.00	92.80	358.13	2675.11	1814.51	-293.95	1835.49	1.24
4001.00	92.41	358.95	2673.70	1845.47	-294.74	1866.36	2.93
4032.00	90.93	359.50	2672.80	1876.45	-295.16	1897.21	5.09
4063.00	90.79	359.02	2672.33	1907.44	-295.56	1928.07	1.61
4093.00	90.96	358.94	2671.88	1937.44	-296.09	1957.95	0.63
4125.00	92.24	359.95	2670.98	1969.42	-296.40	1989.78	5.09
4155.00	93.73	0.40	2669.42	1999.38	-296.31	2019.56	5.19
4187.00	93.73	0.50	2667.34	2031.31	-296.06	2051.28	0.31
4217.00	93.20	0.45	2665.53	2061.26	-295.81	2081.03	1.77
4248.00	92.89	0.04	2663.88	2092.21	-295.68	2111.80	1.66
4279.00	92.61	359.60	2662.39	2123.17	-295.78	2142.60	1.68
4310.00	91.73	358.96	2661.22	2154.15	-296.17	2173.44	3.51
4341.00	92.26	358.97	2660.14	2185.13	-296.73	2204.30	1.71
4372.00	91.94	358.99	2659.00	2216.10	-297.28	2235.15	1.03
4403.00	90.61	359.02	2658.31	2247.09	-297.82	2266.02	4.29
4433.00	90.21	358.31	2658.10	2277.08	-298.52	2295.92	2.72
4464.00	90.10	357.46	2658.01	2308.06	-299.66	2326.84	2.76
4494.00	90.49	357.75	2657.86	2338.03	-300.91	2356.78	1.62
4526.00	91.01	357.67	2657.44	2370.00	-302.19	2388.70	1.64
4557.00	90.14	356.77	2657.13	2400.96	-303.70	2419.65	4.04
4588.00	89.25	355.63	2657.29	2431.89	-305.75	2450.62	4.67
4618.00	88.41	355.11	2657.91	2461.79	-308.17	2480.61	3.29
4638.00	87.80	354.81	2658.57	2481.70	-309.93	2500.59	3.40

4658.00	87.80	354.81	2658.97	2481.70	-312.86	2532.55	2.73
4670.00	86.94	354.65	2660.04	2513.53	-312.86	2532.55	2.73
4700.00	88.50	355.64	2661.23	2543.40	-315.40	2562.52	6.16
4731.00	88.79	355.45	2661.96	2574.30	-317.81	2593.50	1.12
4763.00	89.42	355.20	2662.46	2606.19	-320.41	2625.49	2.12
4794.00	90.93	355.52	2662.37	2637.08	-322.92	2656.47	4.98
4825.00	92.83	355.12	2661.35	2667.96	-325.45	2687.45	6.26
4856.00	93.62	355.86	2659.61	2698.82	-327.88	2718.38	3.49
4886.00	92.99	356.23	2657.88	2728.69	-329.95	2748.31	2.43
4918.00	92.62	356.22	2656.31	2760.59	-332.05	2780.25	1.16
4949.00	91.43	355.18	2655.22	2791.48	-334.38	2811.21	5.10
4981.00	91.50	354.65	2654.40	2823.34	-337.21	2843.20	1.67
5012.00	92.73	354.40	2653.25	2854.18	-340.17	2874.17	4.05
5043.00	92.78	354.62	2651.76	2885.00	-343.13	2905.14	0.73
5075.00	92.97	355.18	2650.16	2916.84	-345.97	2937.09	1.85
5103.00	93.08	355.25	2648.68	2944.70	-348.30	2965.04	0.47
5135.00	93.36	354.87	2646.88	2976.53	-351.06	2996.99	1.47
5166.00	94.10	355.55	2644.87	3007.36	-353.64	3027.91	3.24
5197.00	94.18	355.93	2642.63	3038.19	-355.94	3058.81	1.25
5227.00	94.11	355.56	2640.46	3068.03	-358.16	3088.72	1.25
5259.00	94.10	355.26	2638.17	3099.84	-360.71	3120.63	0.94
5290.00	93.85	355.70	2636.02	3130.67	-363.15	3151.54	1.63
5321.00	93.78	355.39	2633.96	3161.51	-365.55	3182.46	1.02
5353.00	93.47	354.80	2631.94	3193.33	-368.28	3214.39	2.08
5384.00	93.05	354.44	2630.17	3224.14	-371.18	3245.34	1.78
5415.00	94.06	355.29	2628.25	3254.96	-373.95	3276.27	4.25
5446.00	94.73	355.93	2625.87	3285.78	-376.32	3307.16	2.98
5476.00	94.89	356.05	2623.36	3315.60	-378.41	3337.04	0.67
5507.00	94.76	356.11	2620.75	3346.41	-380.52	3367.91	0.46
5538.00	94.59	355.62	2618.23	3377.23	-382.75	3398.79	1.67
5570.00	94.78	354.88	2615.61	3409.01	-385.39	3430.67	2.38
5601.00	94.66	354.83	2613.06	3439.78	-388.16	3461.56	0.42
5633.00	93.66	354.55	2610.74	3471.56	-391.11	3493.47	3.24
5664.00	93.29	354.04	2608.86	3502.35	-394.19	3524.41	2.03
5695.00	93.96	353.99	2606.90	3533.12	-397.41	3555.35	2.17
5727.00	94.64	354.24	2604.50	3564.86	-400.69	3587.26	2.26
5758.00	94.31	353.97	2602.08	3595.61	-403.86	3618.17	1.37
5787.00	94.25	354.20	2599.92	3624.37	-406.84	3647.08	0.82
5819.00	95.33	355.04	2597.25	3656.12	-409.83	3678.97	4.27
5850.00	95.18	355.03	2594.41	3686.87	-412.50	3709.83	0.48
5880.00	95.22	355.35	2591.69	3716.64	-415.01	3739.70	1.07
5909.00	95.50	355.98	2588.98	3745.43	-417.19	3768.56	2.37
5941.00	95.38	356.12	2585.94	3777.21	-419.38	3800.39	0.57
5973.00	95.12	356.48	2583.02	3809.01	-421.44	3832.23	1.38
6004.00	95.96	356.81	2580.02	3839.81	-423.25	3863.05	2.91
6035.00	95.80	357.45	2576.85	3870.61	-424.79	3893.84	2.12
6066.00	95.62	357.66	2573.76	3901.43	-426.11	3924.62	0.89
6096.00	96.56	357.28	2570.58	3931.23	-427.42	3954.39	3.38
6127.00	96.64	357.17	2567.02	3961.99	-428.91	3985.14	0.44
6157.00	96.57	357.12	2563.57	3991.75	-430.40	4014.89	0.29
6188.00	97.24	357.38	2559.84	4022.49	-431.87	4045.61	2.32
6219.00	97.67	357.55	2555.82	4053.20	-433.23	4076.29	1.49
6251.00	97.93	357.49	2551.48	4084.88	-434.61	4107.93	0.83
6282.00	97.81	357.66	2547.23	4115.56	-435.91	4138.57	0.67
6314.00	98.04	357.63	2542.82	4147.22	-437.21	4170.20	0.72
6345.00	97.67	357.44	2538.58	4177.90	-438.53	4200.85	1.34
6376.00	97.49	357.95	2534.49	4208.61	-439.76	4231.51	1.73
6408.00	97.45	357.23	2530.33	4240.31	-441.10	4263.17	2.23
6446.00	97.53	357.40	2525.38	4277.94	-442.86	4300.78	0.49

* Weatherford surveys from 323.00 ft MD to 6446.00 ft MD *

* TD at 6508.63 ft MD *

* The total correction is 9.55 deg relative to Grid North *



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WELL: **Smith 1H Upper**