



Weatherford®

**6 3/4 in. & 4 3/4 in. WeatherfordM/LWD™
Triple Combo
1 in. & 5 in. MEASURED DEPTH
RECORDED DATA
FINAL PRINT**

Company: Anadarko
 Well: Cannon 37C-3HZ
 Field: Wattenberg
 Rig: H&P 307
 County: Weld

COMPANY Anadarko
WELL Cannon 37C-3HZ
FIELD Wattenberg
RIG H&P 307
COUNTY Weld **STATE** Colorado
API # 05-123-35790-0000

Location
 Latitude: 40.17378° N x = 3,239,877.08 ft Mag Decl: 8.67°
 Longitude: 104.64157° W y = 1,307,311.69 ft Mag Dip: 66.83°
 Other Services: Directional and Temperature

Permanent Datum: Mean Sea Level
 Log Measured From: Drill Floor Elev: 4867.0 ft above perm. datum
 Depth Reference: Drillers Tally Total Depth: 11477 ft
 Depth Logged: 6500 ft to 11477 ft Runs: 3
 Date Logged: 6-Sep-12 to 11-Sep-12 Spud Date: 4-Sep-12

Borehole Record		Casing Record				
Hole Size	From	To	Size	Weight	From	To
13,500 in.	0 ft	825 ft	9.625 in.	36.0 lb/ft	Surface	825 ft
8,750 in.	825 ft	7502 ft	7.000 in.	26.0 lb/ft	Surface	7502 ft
6,125 in.	7502 ft	11477 ft				

Borehole Deviation Record		Mud Record				
Hole Size	Min. Inc.	Max. Inc.	Type	Weight	From	To
8,750 in.	0.20°	82.63°	WBM	8.40 - 9.50 pp9	825 ft	7502 ft
6,125 in.	86.05°	93.57°	WBM	9.50 - 10.00 pp9	7502 ft	11477 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				
Bit Size	in.	8.750	8.750	6.125				
Bit Type		PDC	PDC	PDC				
Bit TFA	sq.in.	0.648	0.648	0.648				
Bit Start Depth	ft	825	6517	7502				
Bit End Depth	ft	6517	7502	6262				
Top Log Interval	ft	No Logging	6500	7459				
Bottom Log Interval	ft	No Logging	7502	11477				
Begin Log Time	hrs	No Logging	11:08	4:37				
Begin Log Date	DD-MMM-YY	No Logging	6-Sep-12	9-Sep-12				
End Log Time	hrs	No Logging	8:22	14:34				
End Log Date	DD-MMM-YY	No Logging	7-Sep-12	11-Sep-12				
Drill or Wipe		Drill	Drill	Drill				
Flow Rate	gal/min	507	595	300				
Max AV / CV @ MWD	ft/min	401 / 166	487 / 106	492 / 370				
Min Inc @ Depth	deg @ ft	0.20 @ 4157	0.22 @ 4061	86.05 @ 11425				
Max Inc @ Depth	deg @ ft	6.99 @ 2545	82.63 @ 7444	93.57 @ 10693				

MUD DATA

Depth	ft	6517	7502	11477				
Fluid Type		WBM	WBM	WBM				
Mud Weight	ppg	8.60	9.50	10.00				
Plastic Viscosity	cP	2	13	14				
Solids / Sand	%	1.9 / 0.2	6.2 / 0.5	8.7 / 0.6				
NaCl Equiv. Chlorides	ppm	1320	1320	1320				
pH		8.2	8.7	9.2				
Oil:Water Ratio	% Vol	2.2 : 97.8	7.5 : 92.5	11.0 : 89.0				
Rm @ Temperature	ohm-m @ deg F	N/A	N/A	2.20 @ 80				
Rmc @ Temperature	ohm-m @ deg F	N/A	N/A	3.50 @ 78				
Rmf @ Temperature	ohm-m @ deg F	N/A	N/A	1.99 @ 78				
KCl	% Vol	0	0	0				
Client Representative		C. Jones	C. Jones	C. Jones				
WeatherfordM/LWD Engineer		R. Komrs	R. Komrs	L. Howse				

EQUIPMENT SUMMARY

MWD/LWD Run Number	1	2	3		
PP Serial Number	CP20595YHRDP-01	CP20595YHRDP-01	N/A		
HEL Serial Number	N/A	N/A	NW21491PDSS4.75		
MFR Serial Number	N/A	N/A	NW21690RBBK4.75-M2		
IDS Serial Number	N/A	N/A	NW21691BI4.75		
SAGR Serial Number	N/A	N/A	NW21692JB4.75		
NDT Serial Number	N/A	N/A	NW21930NZBB4.75		
Density Source Serial Number	N/A	N/A	06955B		
Sensor to Bit Offsets / Acquisition Rates					
Directional	ft / sec	57.86 / RT	57.86 / RT	49.34 / RT	
Gamma Ray	ft / sec	43.65 / RT	43.65 / RT	39.23 / 5	
Resistivity	ft / sec	N/A	N/A	75.19 / 5	
Density	ft / sec	N/A	N/A	102.09 / 5	
Other Information					
Total BHA Length	ft	96.32	96.32	162.73	
BHA Assembly Type		Steerable	Steerable	Steerable	
Stabilizer Location	ft	N/A	N/A	29.26	
Stabilizer Location	ft	N/A	N/A	100.04	
Stabilizer Location	ft	N/A	N/A	162.73	
Run Circulating Time	hr	25.85	23.75	62.86	
Run Drilling Time	hr	16.39	12.90	26.04	

MUD SUMMARY

Date and Time	Run	Bit Depth	Mud Weight	% K	Rm @ Temp	Rmf @ Temp	Rmc @ Temp	BHCT
5 Sept 12 @ 23:59	01	6517 ft	8.60 ppg	0	N/A	N/A	N/A	94 F
7 Sept 12 @ 08:22	02	7502 ft	9.50 ppg	0	N/A	N/A	N/A	150 F
11 Sept 12 @ 14:34	03	11477 ft	10.00 ppg	0	2.20 @ 80	1.99 @ 78	3.50 @ 78	231 F

M/LWD RUN REMARKS

Run Number: 1 :: REAL TIME LOG

WFT Services Provided:

Real Time Logging: Temperature.

Directional Services: On demand Inclination and Azimuth.

Run Number: 2 :: REAL TIME LOG

WFT Services Provided:

Real Time Logging: Gamma Ray and Temperature.

Directional Services: On demand Inclination and Azimuth.

Borehole and Environmental Correction:

Collar O.D.: 6.75 in.

Gamma Ray: Collar O.D., collar I.D. and K1 factor.

Collar I.D.: 3.25

K1 Factor: 3.012

Run Number: 3 :: RECORDED DATA LOG

WFT Services Provided:

Recorded and Real Time Logging: Gamma Ray, Deep, Medium and Shallow Resistivity, Bulk Density 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: 10.00 ppg

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

Borehole Temperature: 231° F

Drilling Fluid Resistivity: 2.20 ohm-m

Bulk Density: No corrections.

KCl Concentration: 0%

M/LWD LOG COMMENTS

Comment No. 1-1

REAL TIME DATA LOG

Start of MWD Drilling Run 01

Weatherford International provided 6 3/4 in. Directional and Temperature for Run 01.

Run 01 started formation drilling September 4, 2012 at 17:10 at 825 MD / 825 TVD. Weatherford International logged the 8.750 in. borehole.

The WBM at the start of logging was 8.40 ppg.

Comment No. 1-2

End of MWD Drilling Run 01

Run 02 ended drilling formation September 5, 2012 at 23:59 at 6517 MD / 6504 TVD.

The WBM at the end of drilling was 8.60 ppg.

Comment No. 2-1

REAL TIME DATA LOG

Start of LWD Drilling Run 02

Weatherford International provided 6 3/4 in. Directional, Gamma Ray, and Temperature for Run 02.

Run 02 started formation drilling September 6, 2012 at 11:08 at 6517 MD / 6504 TVD. Weatherford International logged the 8.750 in. borehole.

The WBM at the start of drilling was 9.50 ppg.

Comment No. 2-2

End of LWD Drilling Run 02

Run 02 ended drilling formation September 7, 2012 at 08:22 at 7502 MD / 7156 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, Spectral Gamma Ray, Bulk Density and Temperature for Run 03.

Run 03 started formation drilling September 09, 2012 at 4:37 at 7502 MD / 7156 TVD. Weatherford International logged the 6.125 in. borehole.

The WBM at the start of drilling was 10.70 ppg.

Comment No. 3-2

End of LWD Drilling Run 03

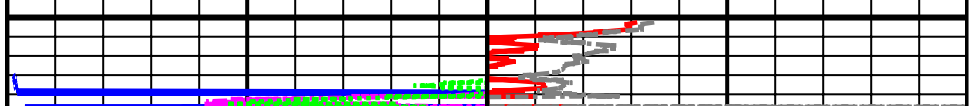
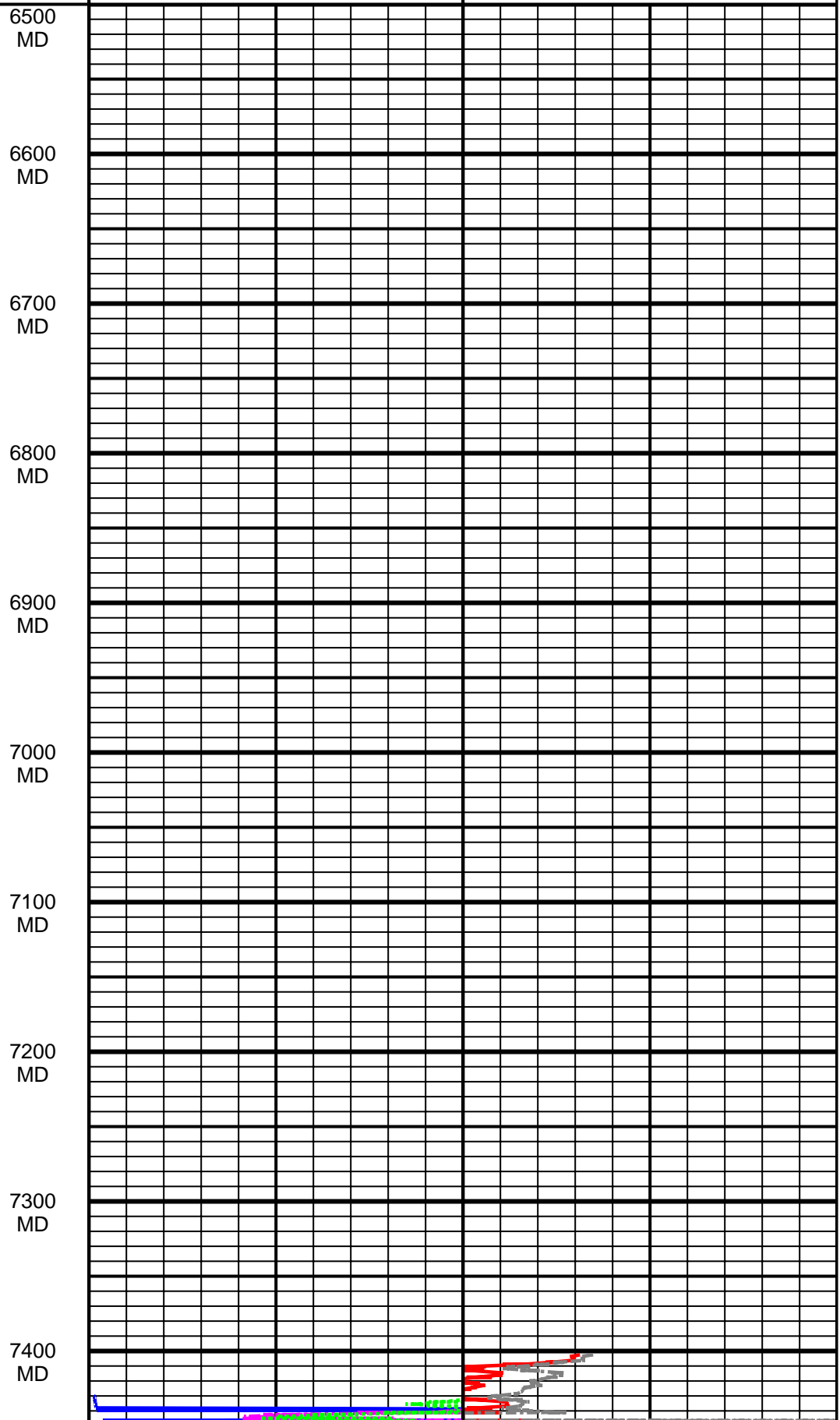
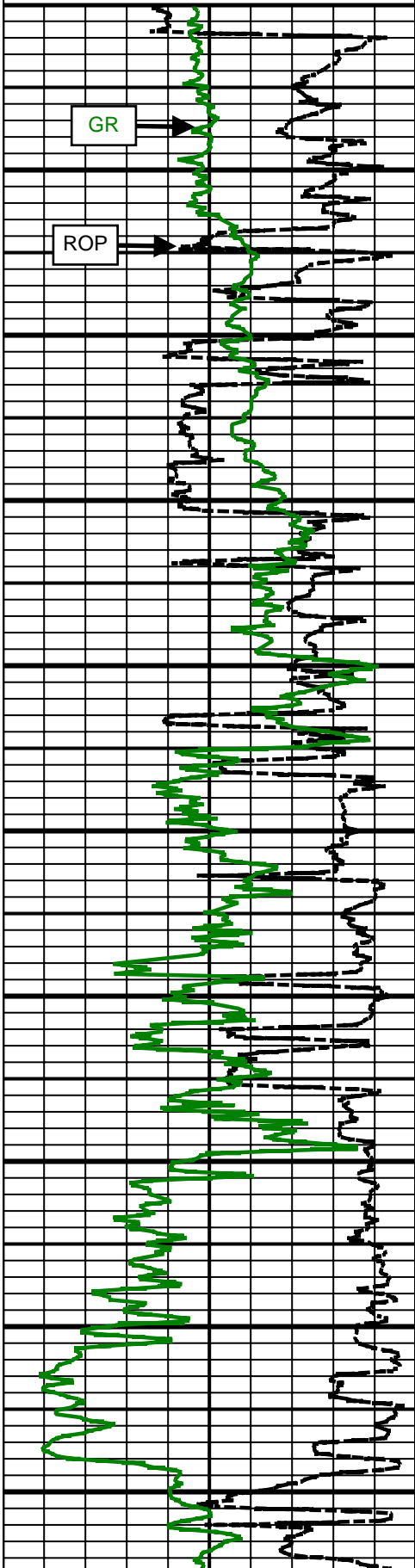
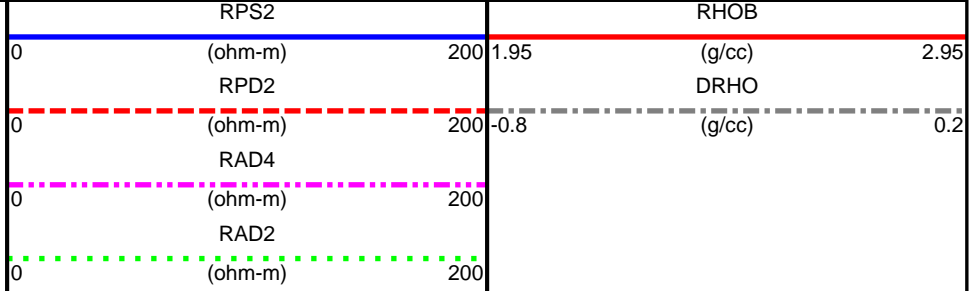
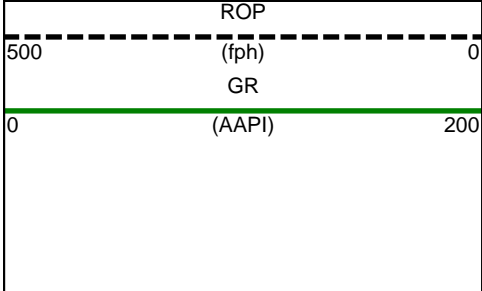
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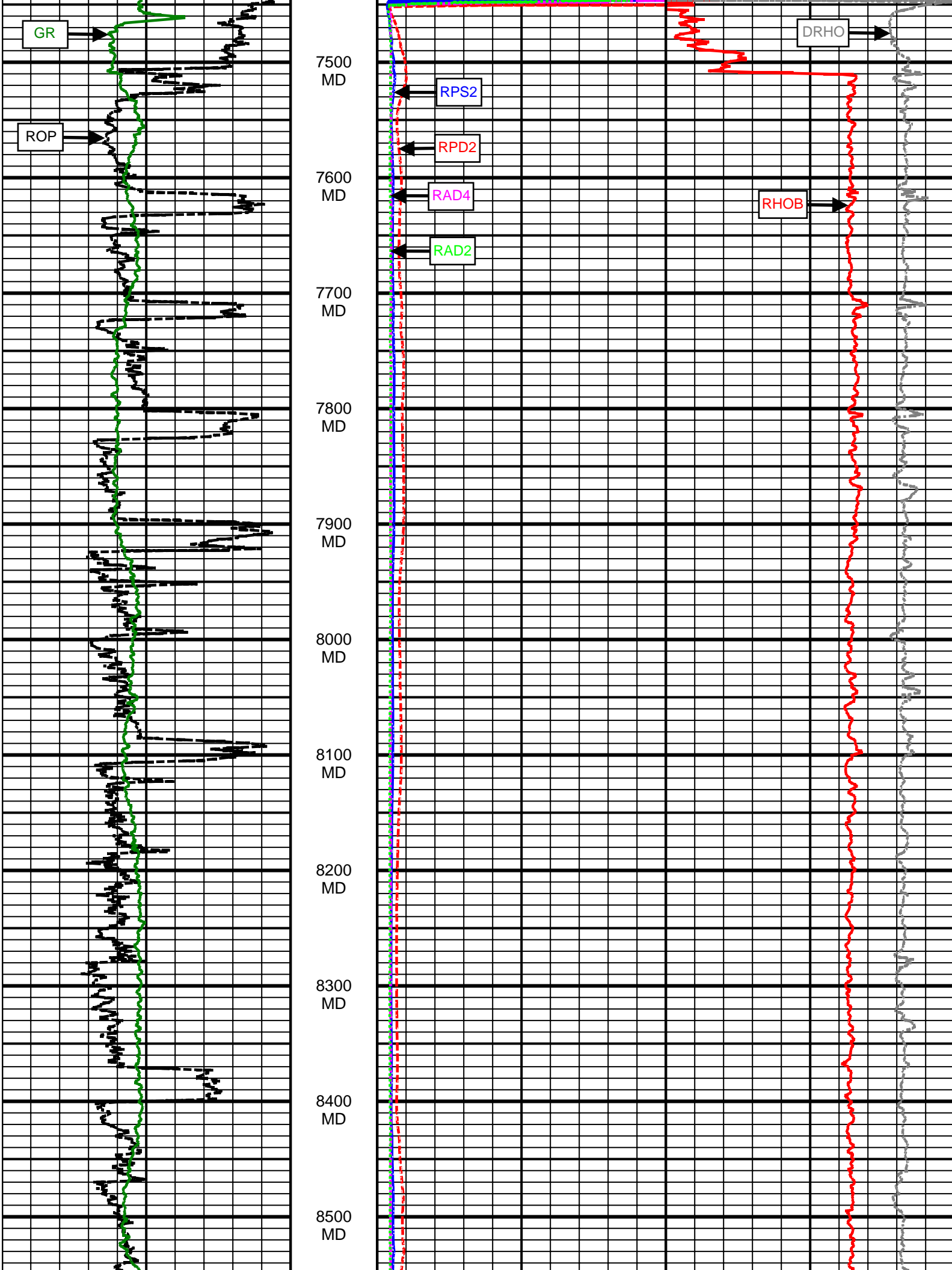
The WBM at the end of drilling was 10.00 ppg.

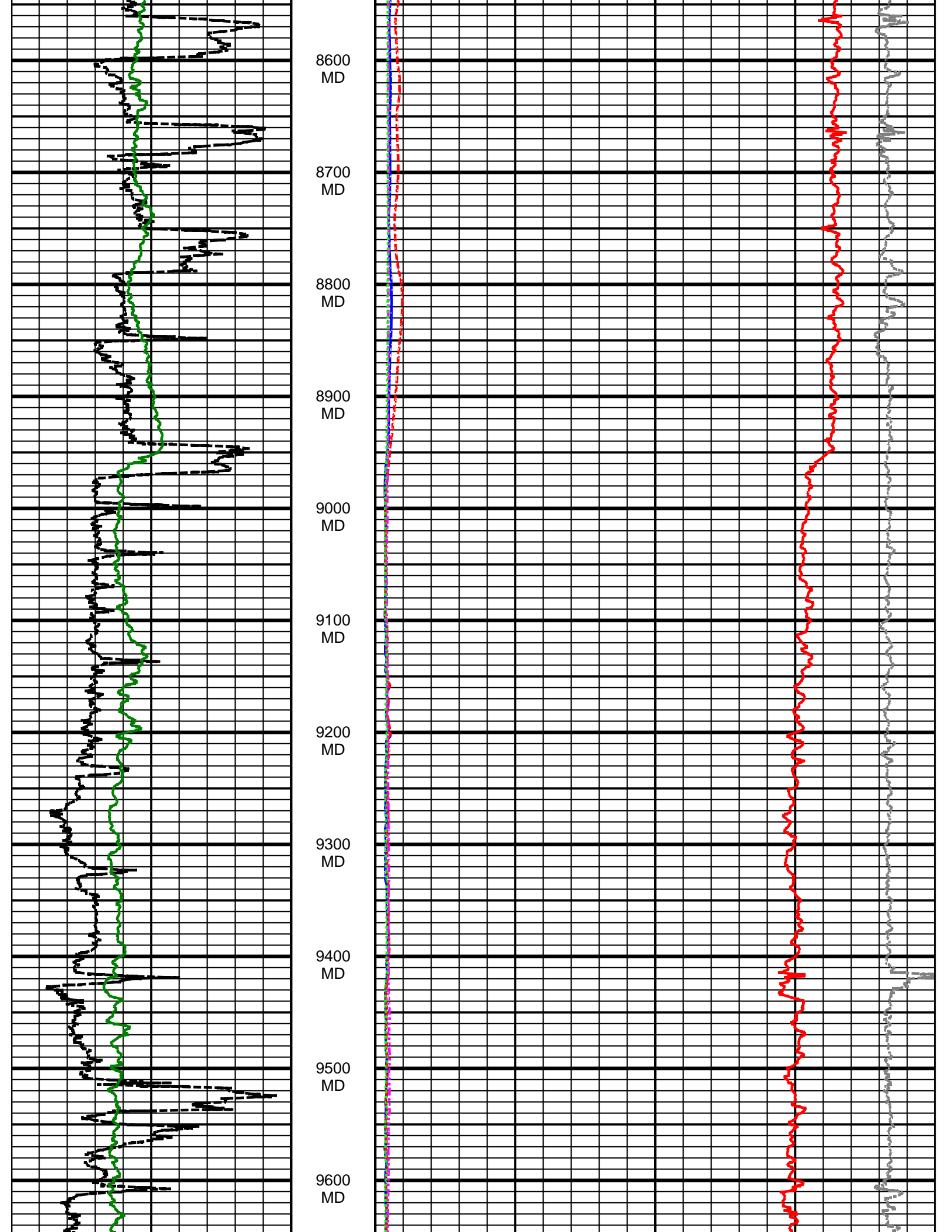
CURVE SPECIFICATIONS

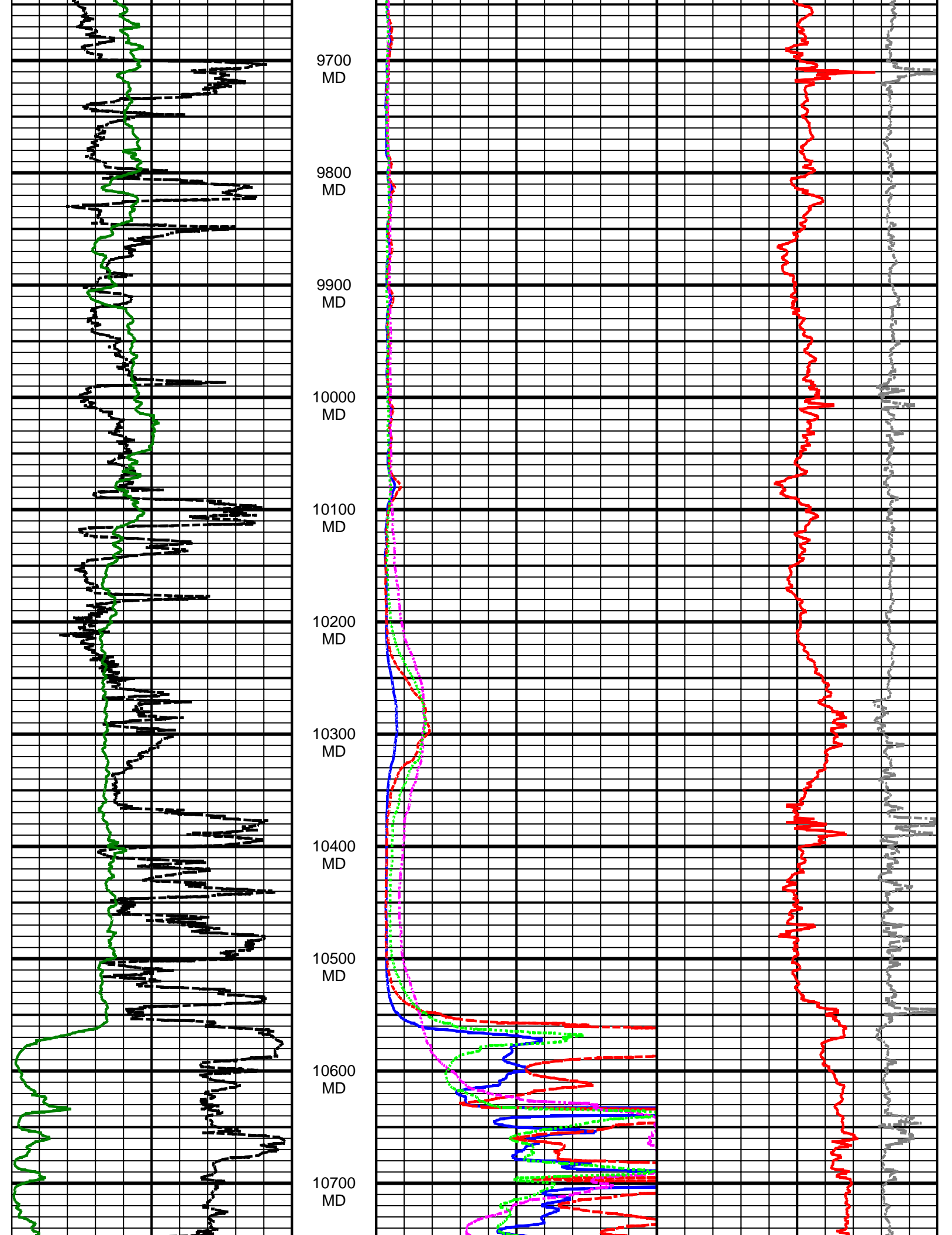
CURVE TYPE	MNEMONIC	UNITS	COMMENTS	CORRECTIONS
Rate of Penetration	ROP	fph	Rate of Penetration 3.0 ft window 0.5 ft Exponential Smoothing	None
Gamma Ray	GR	AAPI	Gamma Ray 3.0 ft window 0.5 ft Exponential Smoothing	See LWD Run Remarks
Deep Phase Resistivity	RPD2	ohm-m	2MHz Deep Phase Resistivity 3.0 ft window 0.5 ft Exponential Smoothing	See M/LWD Run Remarks
Deep Attenuation Resistivity	RAD2	ohm-m	2MHz Deep Attenuation Resistivity 3.0 ft window 0.5 ft Exponential Smoothing	
Deep Attenuation Resistivity	RAD4	ohm-m	400kHz Deep Attenuation Resistivity 3.0 ft window 0.5 ft Exponential Smoothing	
Shallow Phase Resistivity	RPS2	ohm-m	2MHz Shallow Phase Resistivity 3.0 ft window 0.5 ft Exponential Smoothing	
Bulk Density	RHOB	g/cc	Bulk Density 3.0 ft window 0.5 ft Exponential Smoothing	None
Delta RHO	DRHO	g/cc	Spine and Rib Correction 3.0 ft window 0.5 ft Exponential Smoothing	

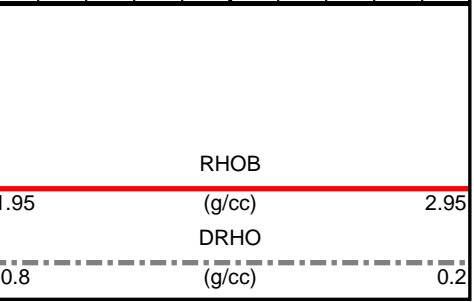
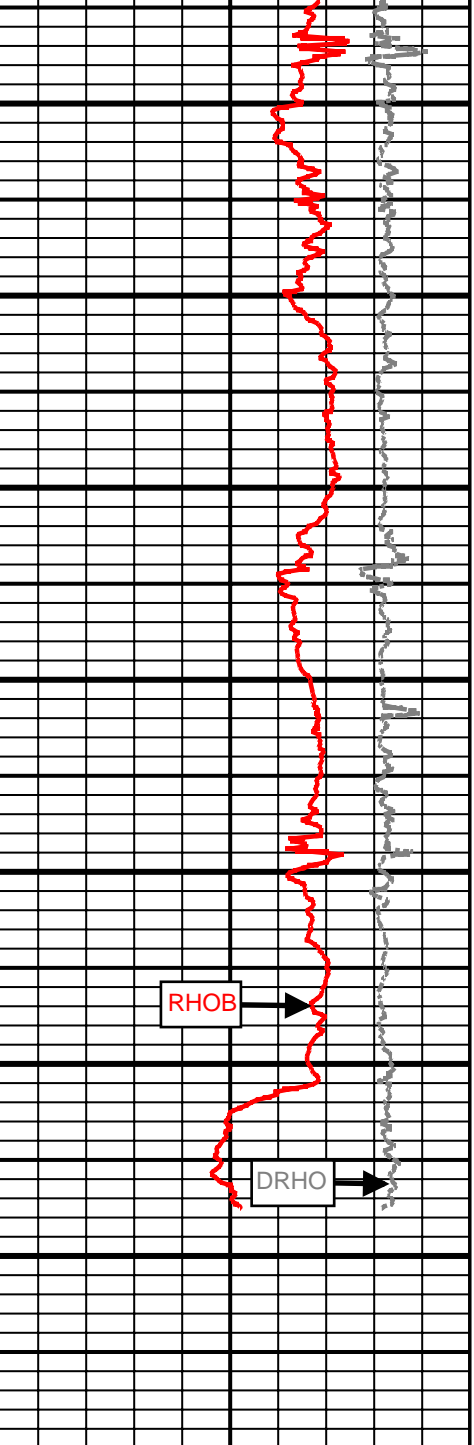
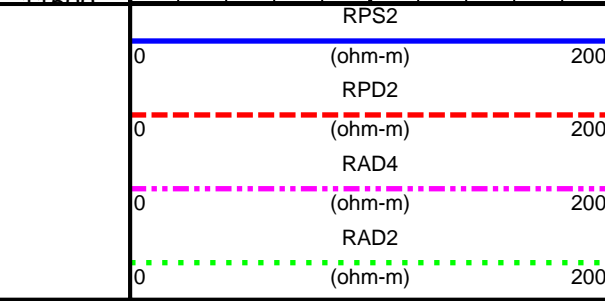
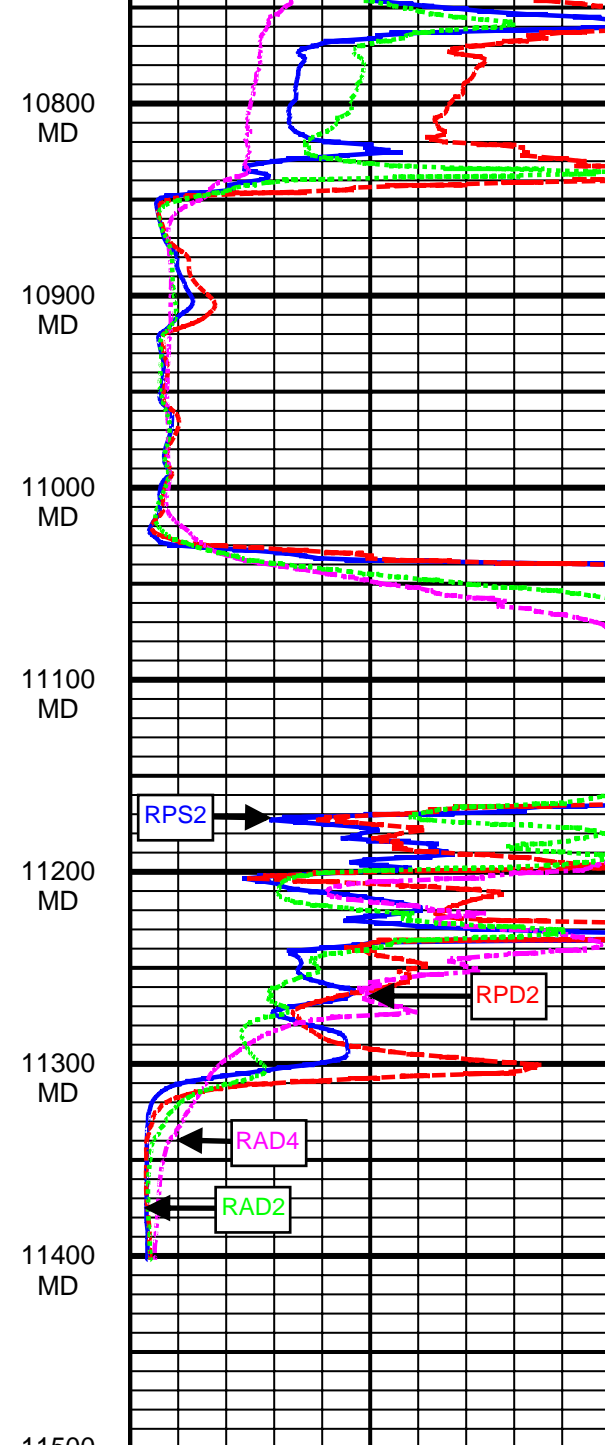
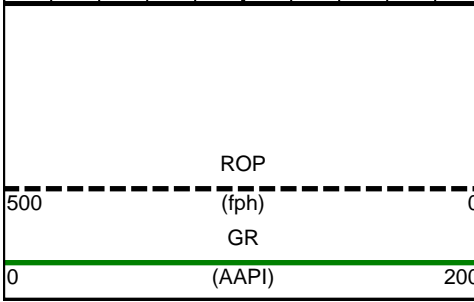
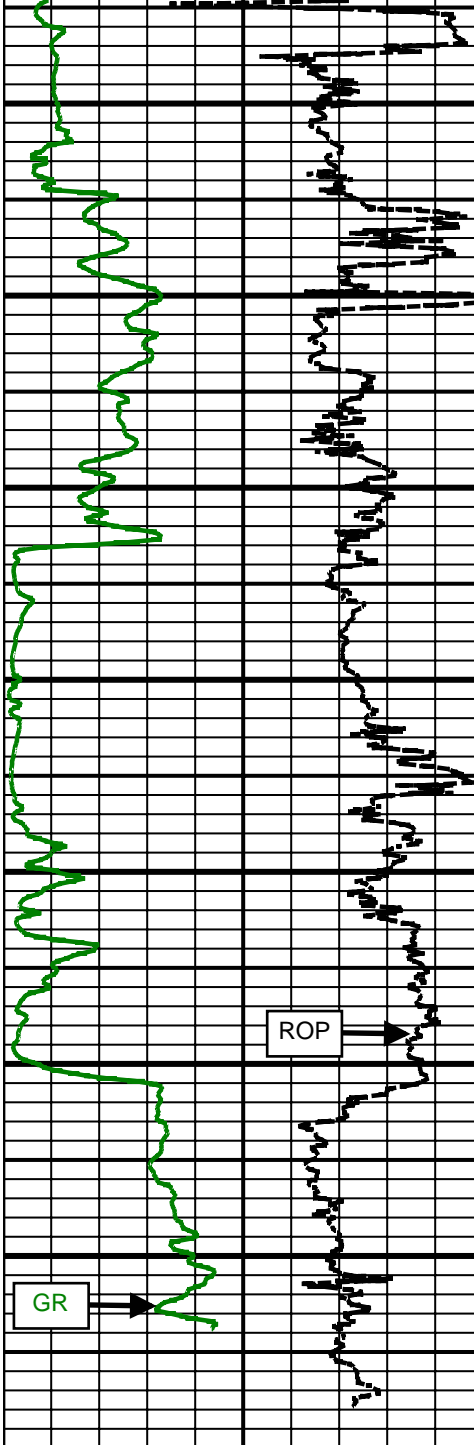
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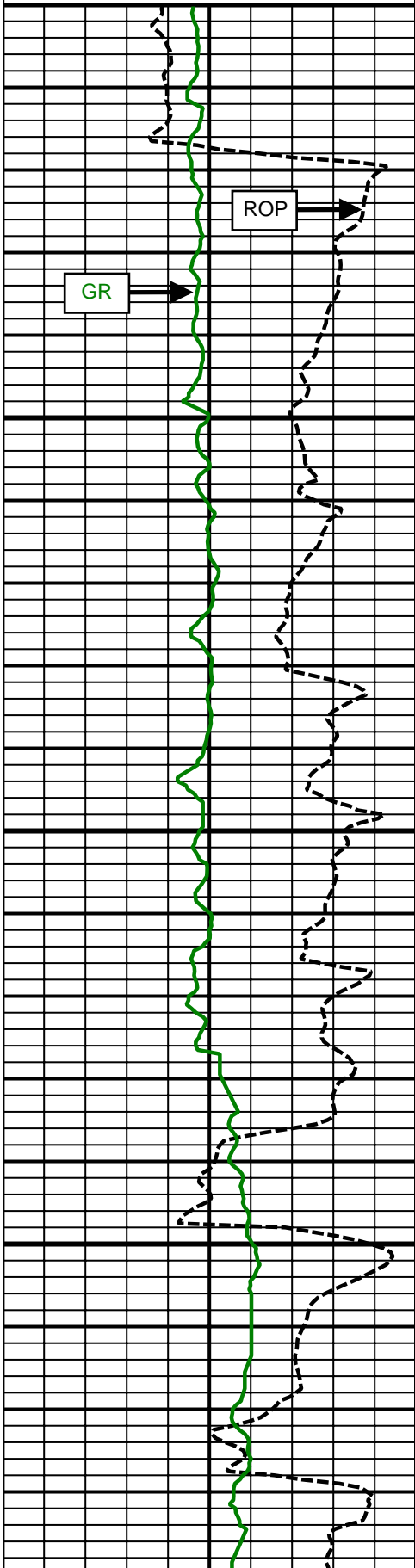
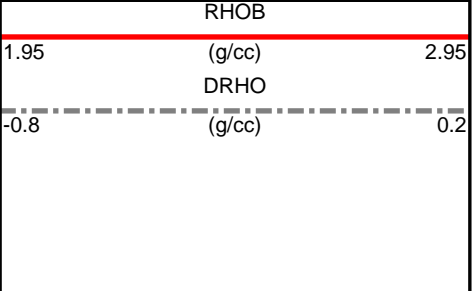
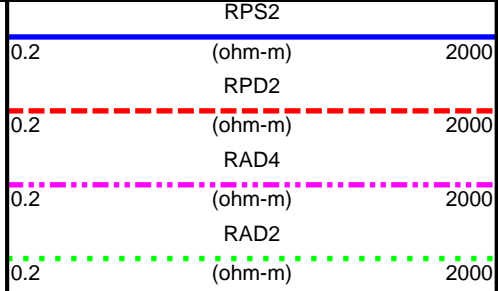
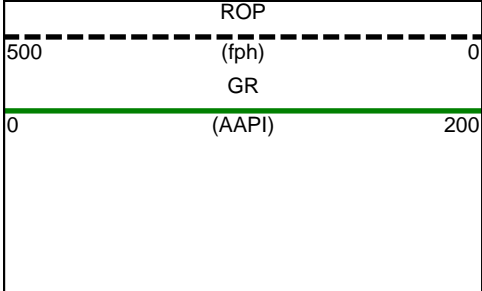








5 Inch - Measured Depth

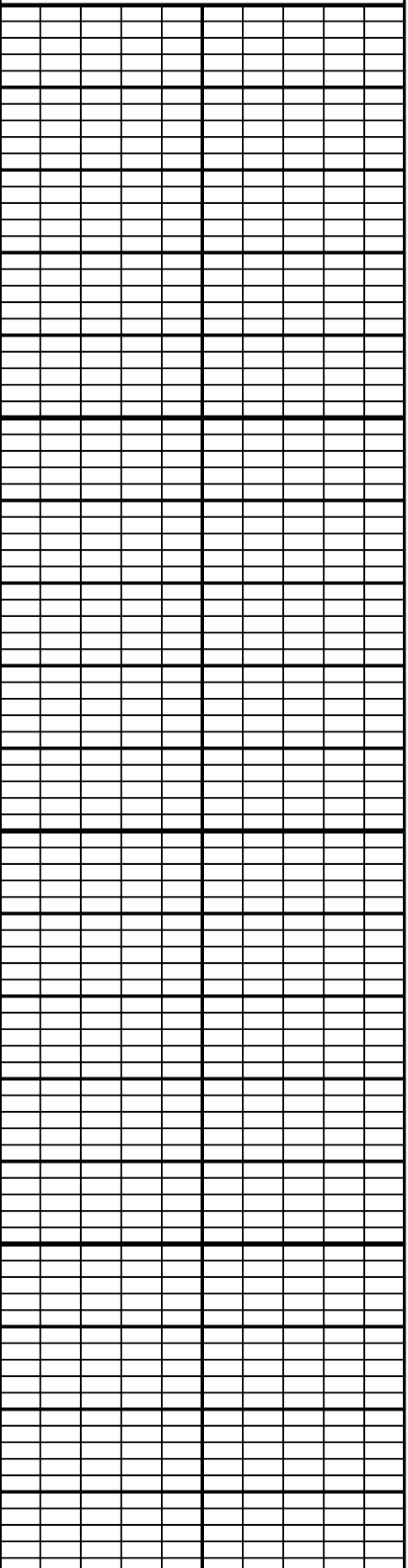
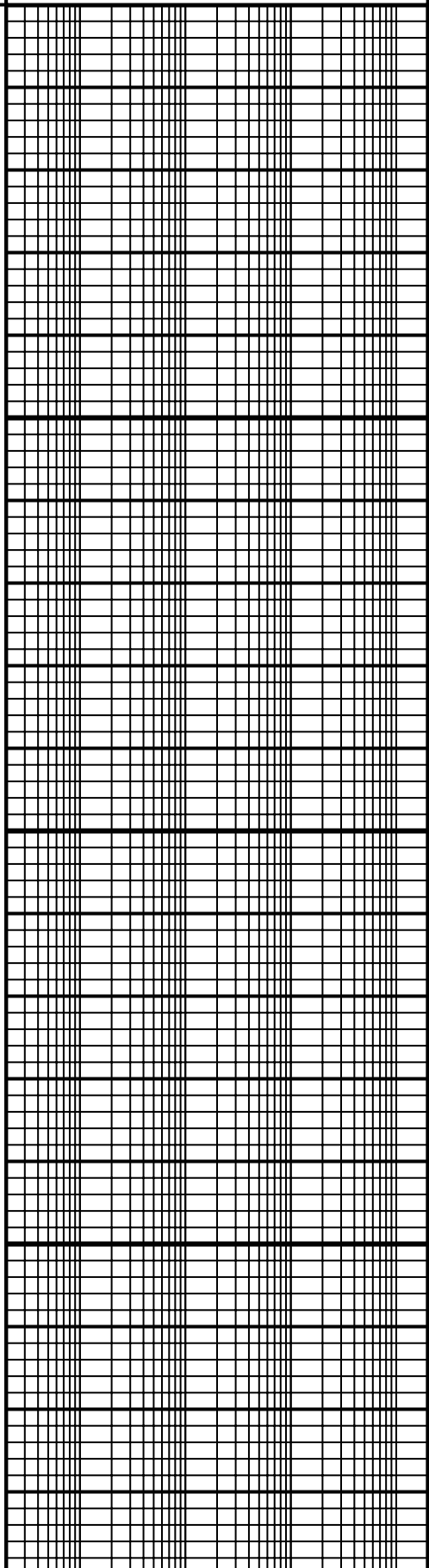


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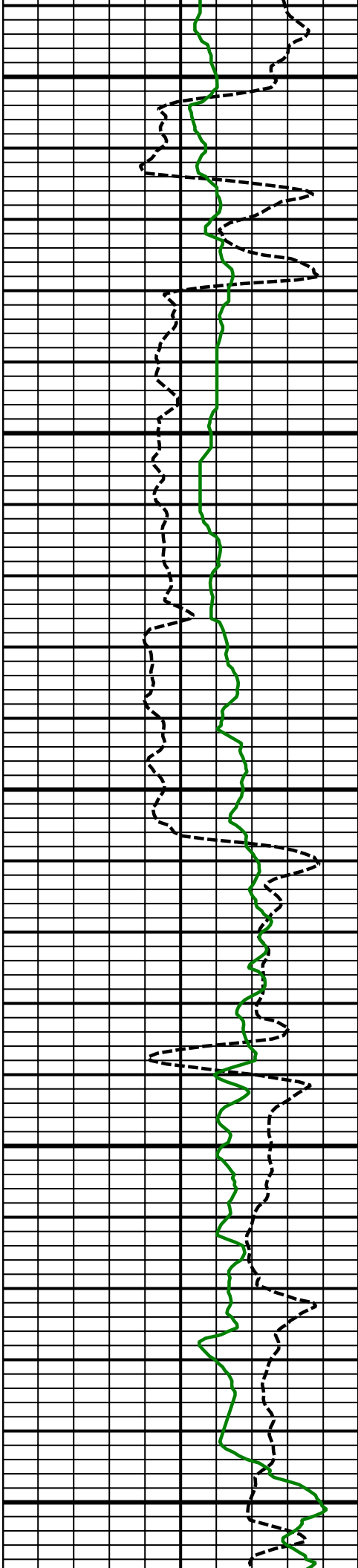
Comment 1-1

Comment 1-2

Comment 2-1



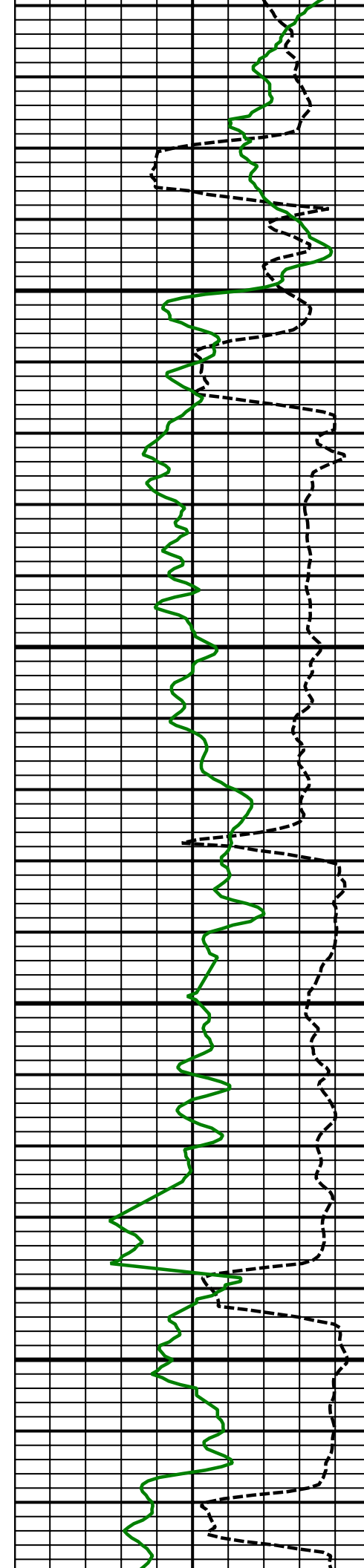
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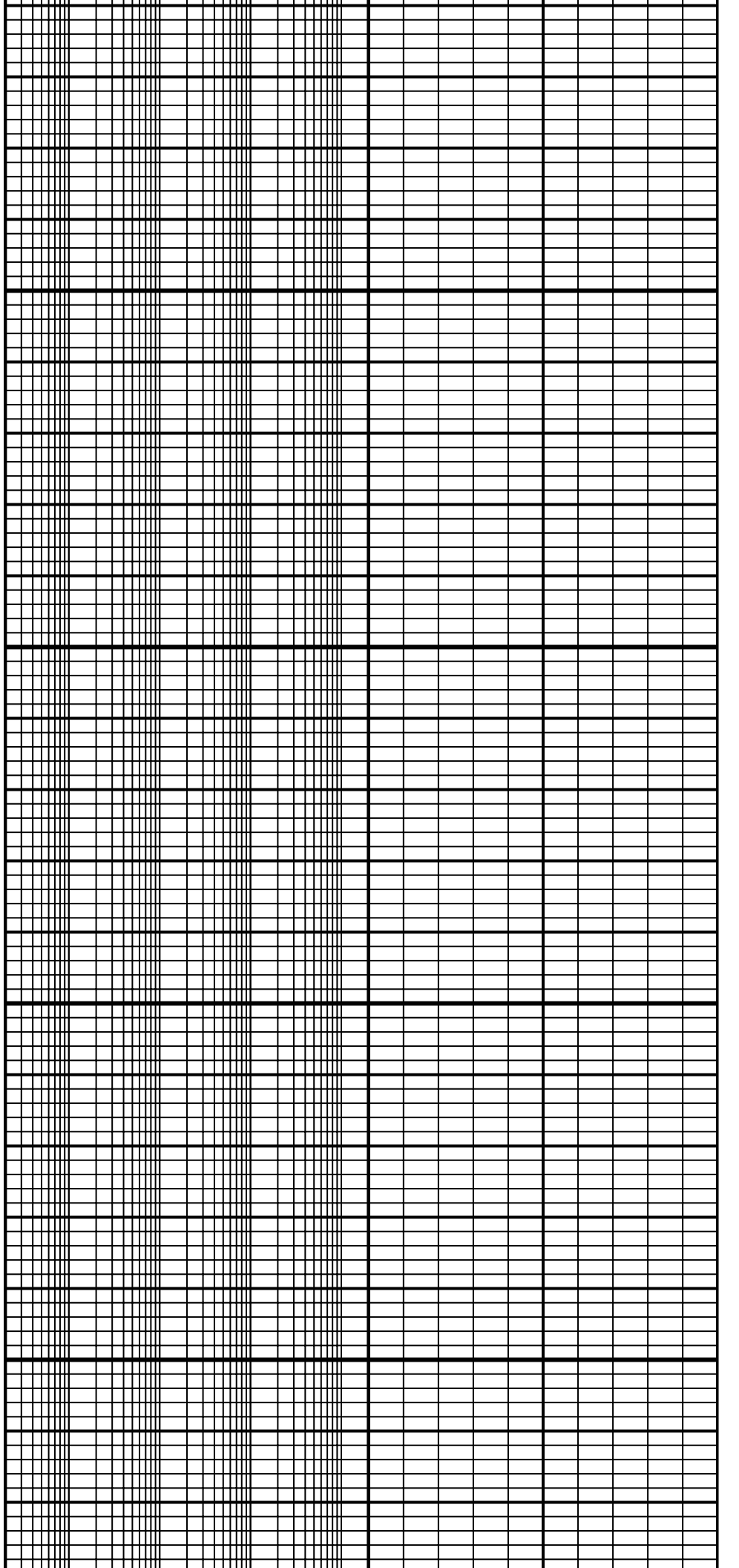
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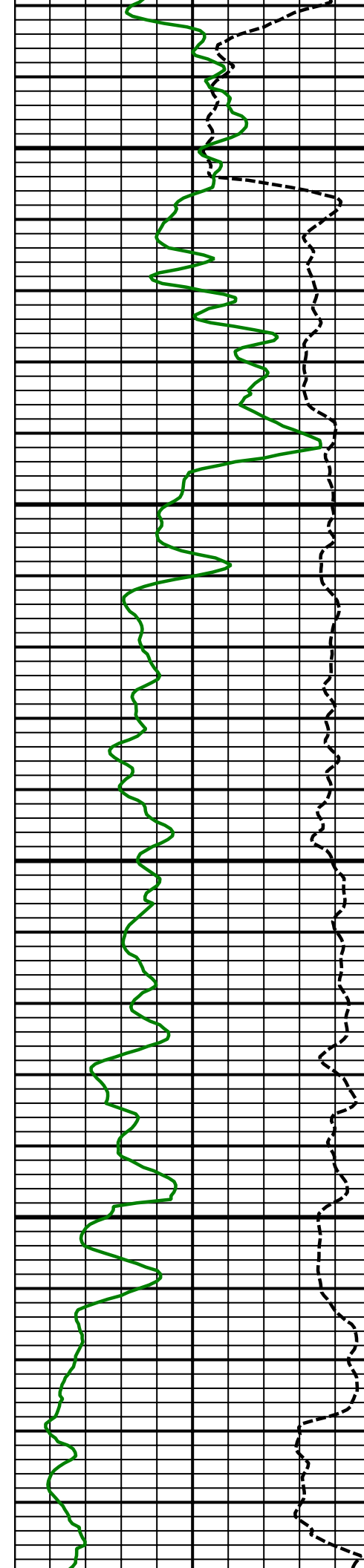
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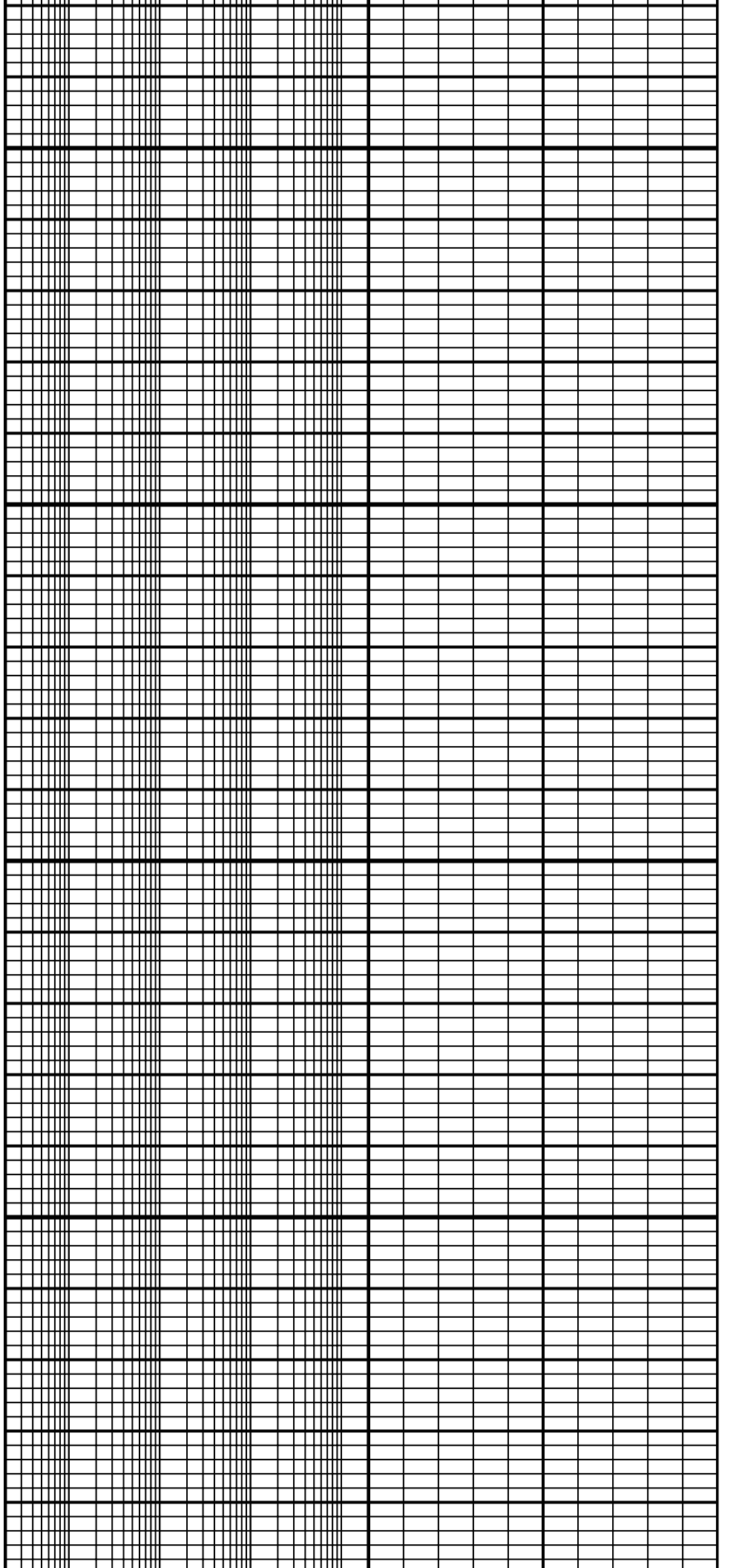
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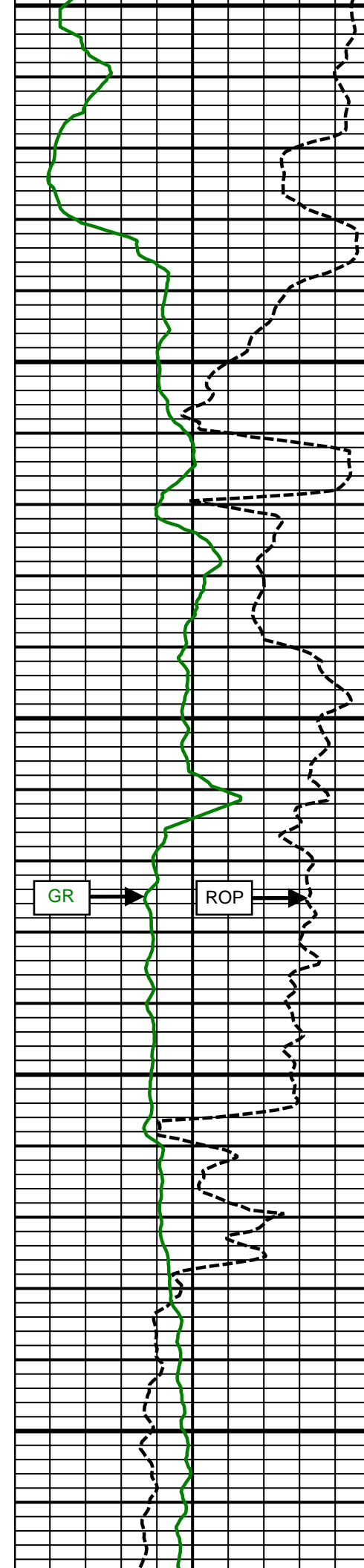




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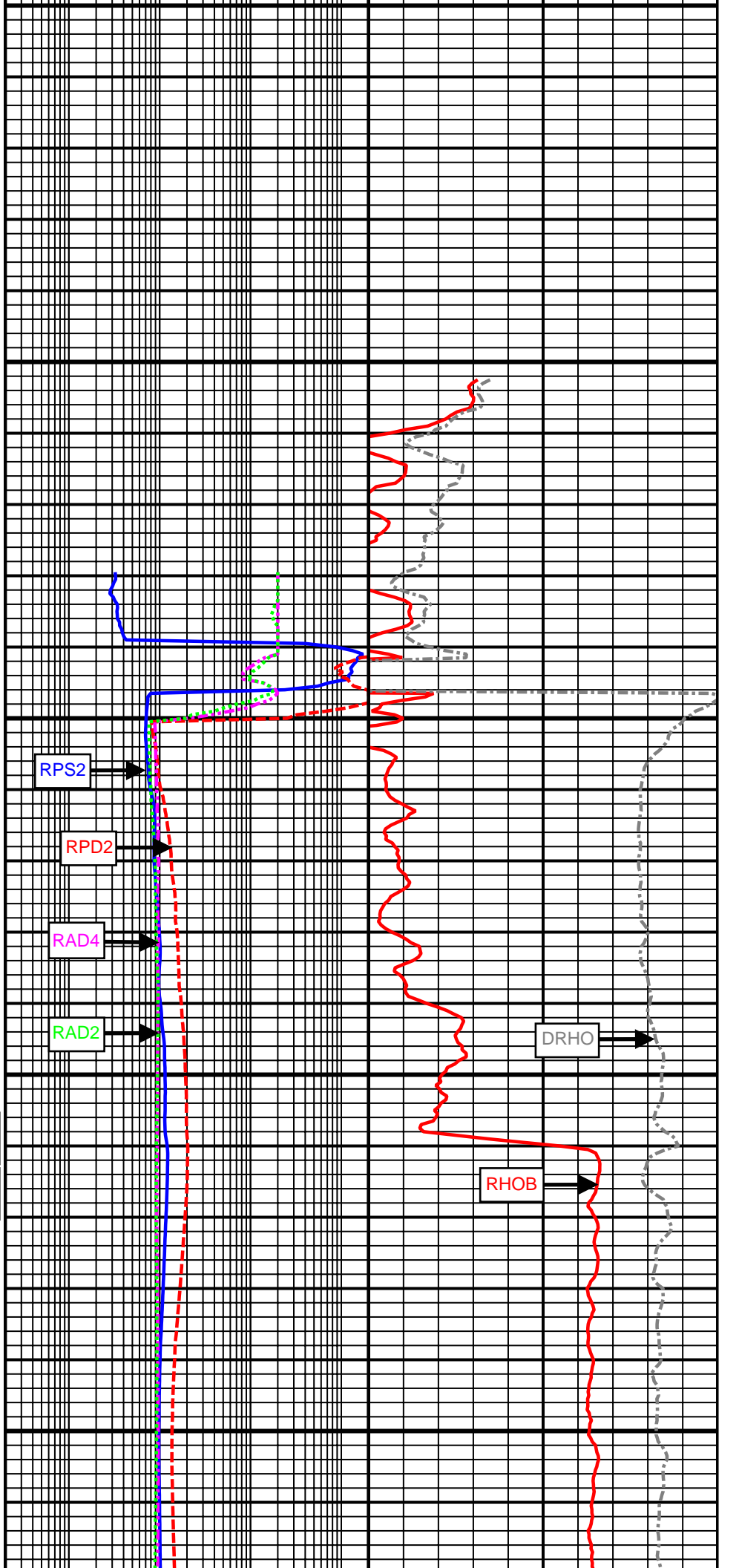


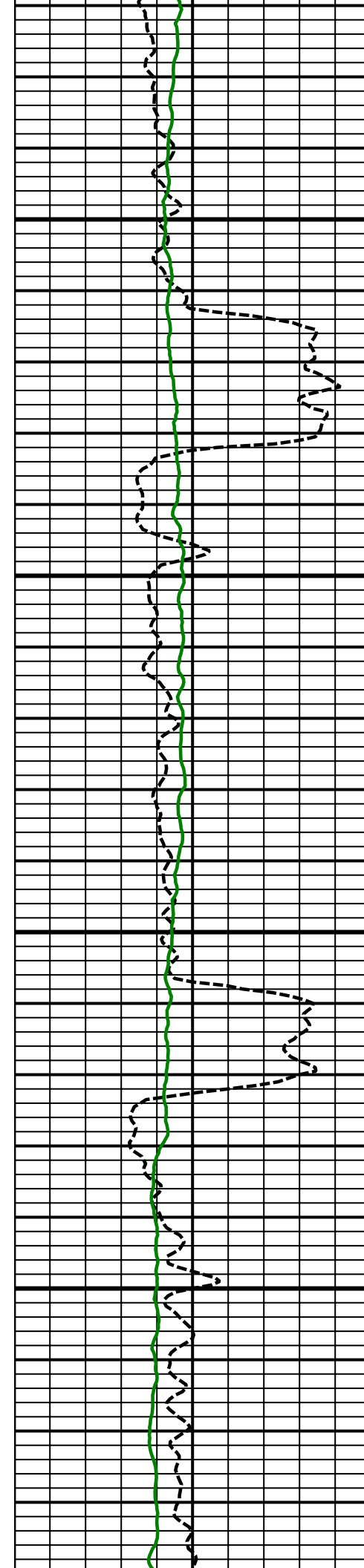
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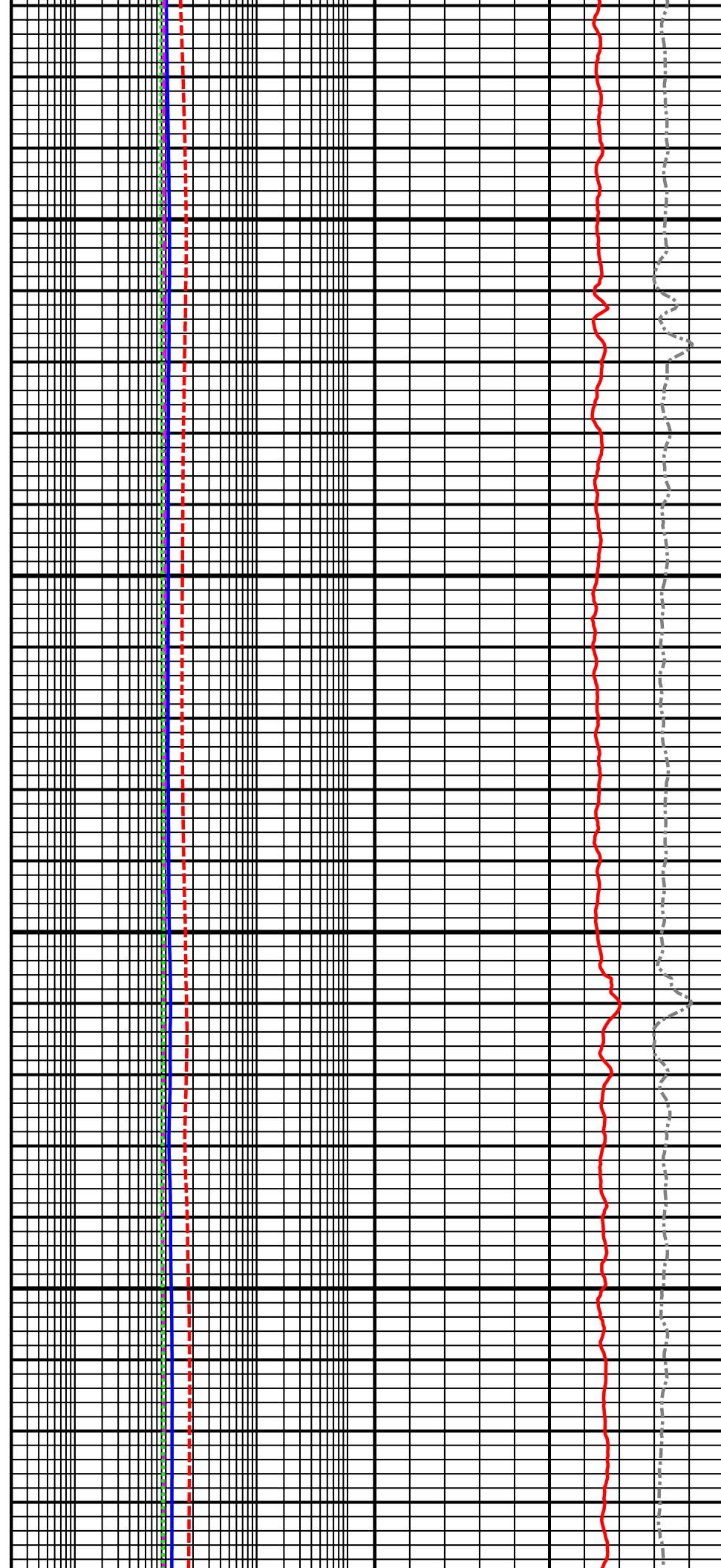
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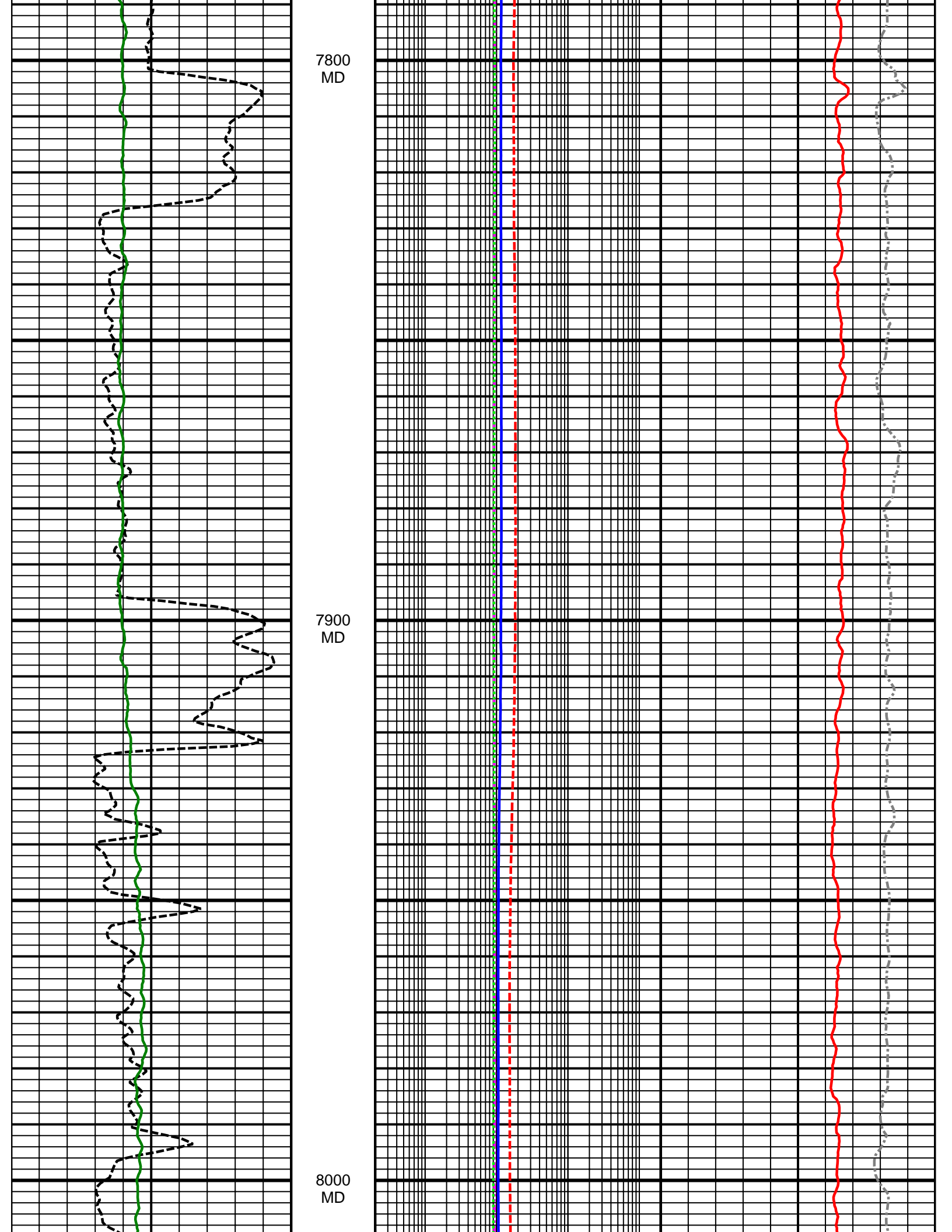


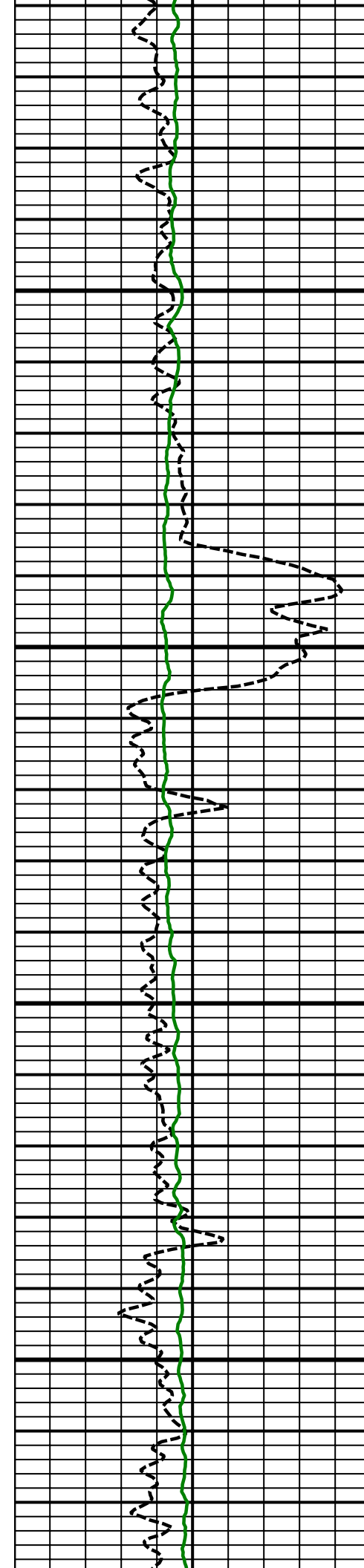


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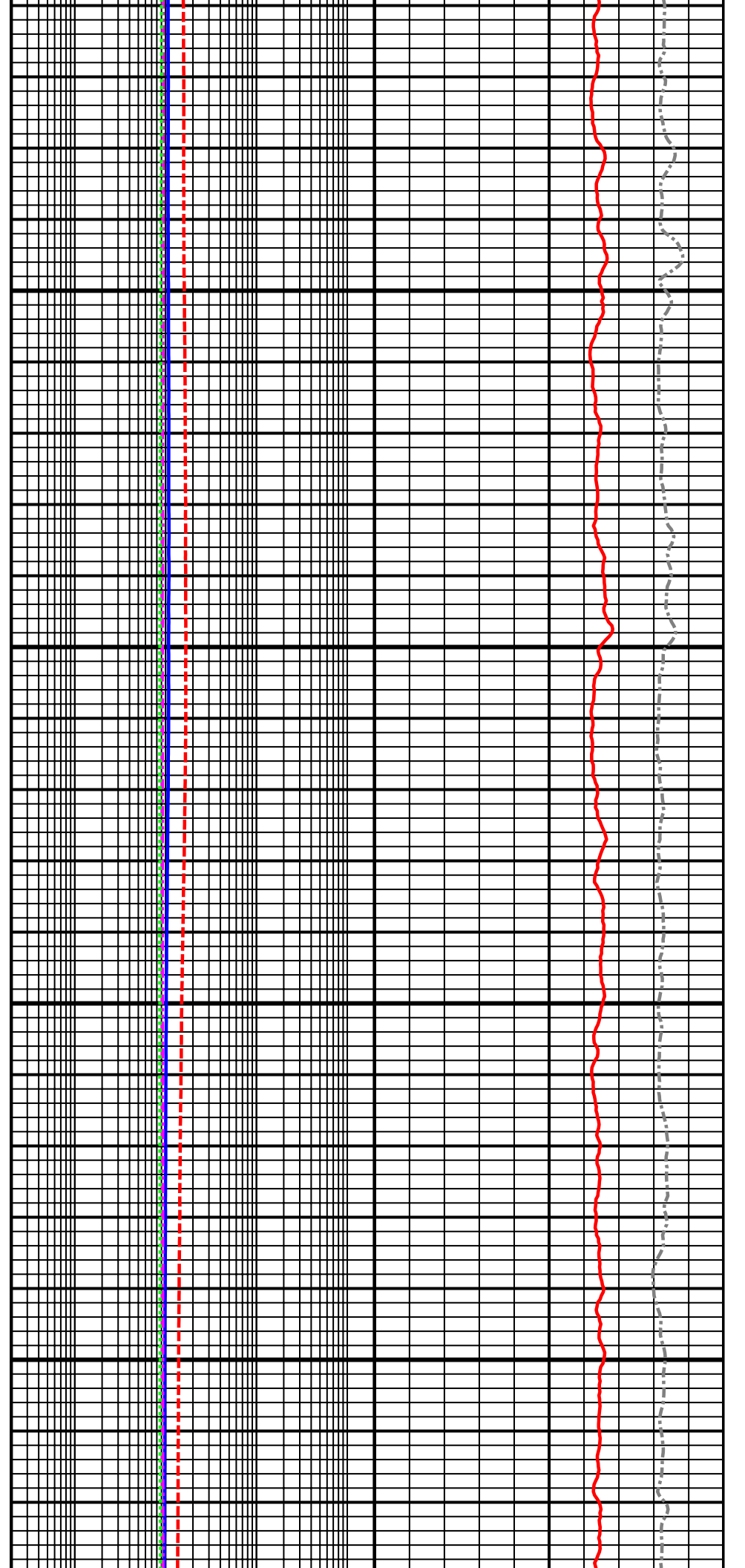


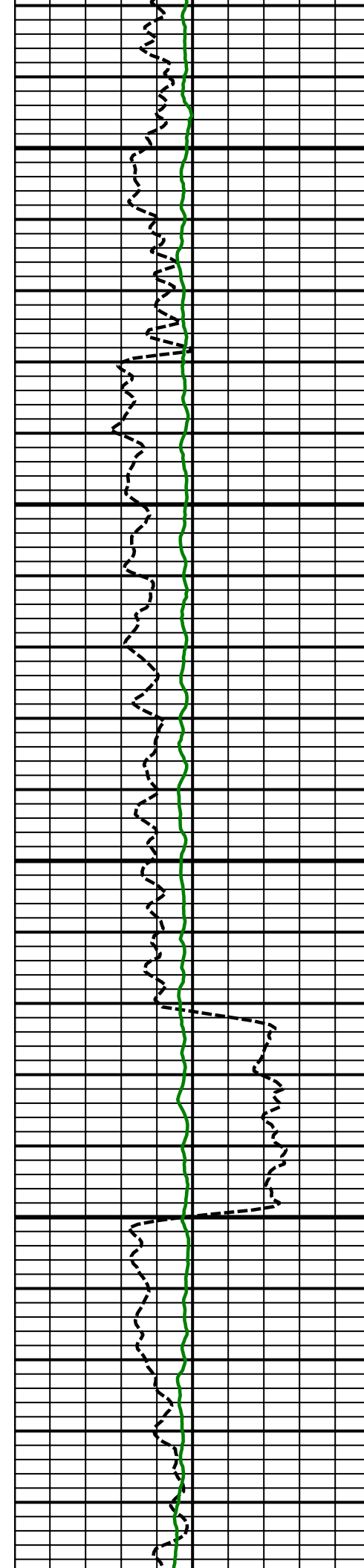




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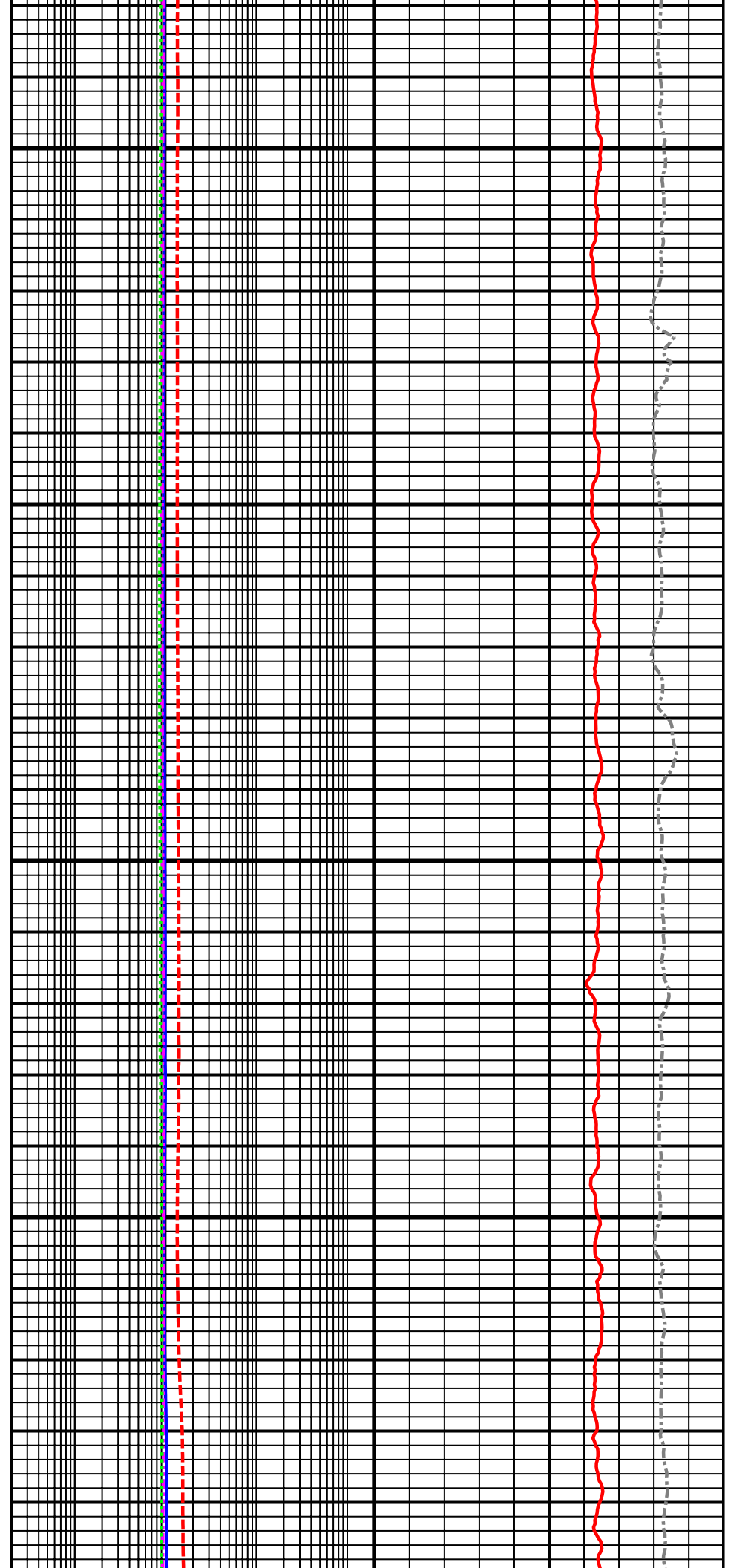
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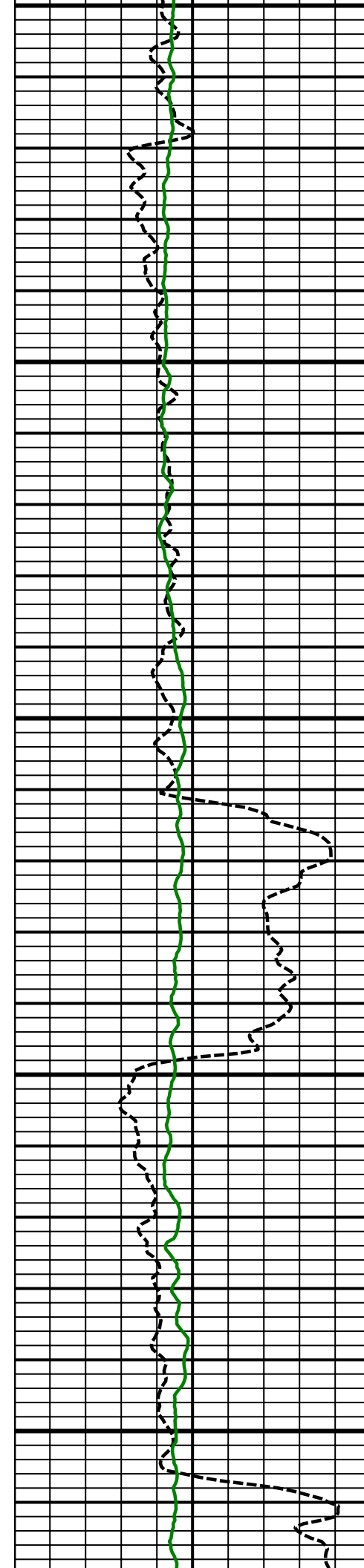




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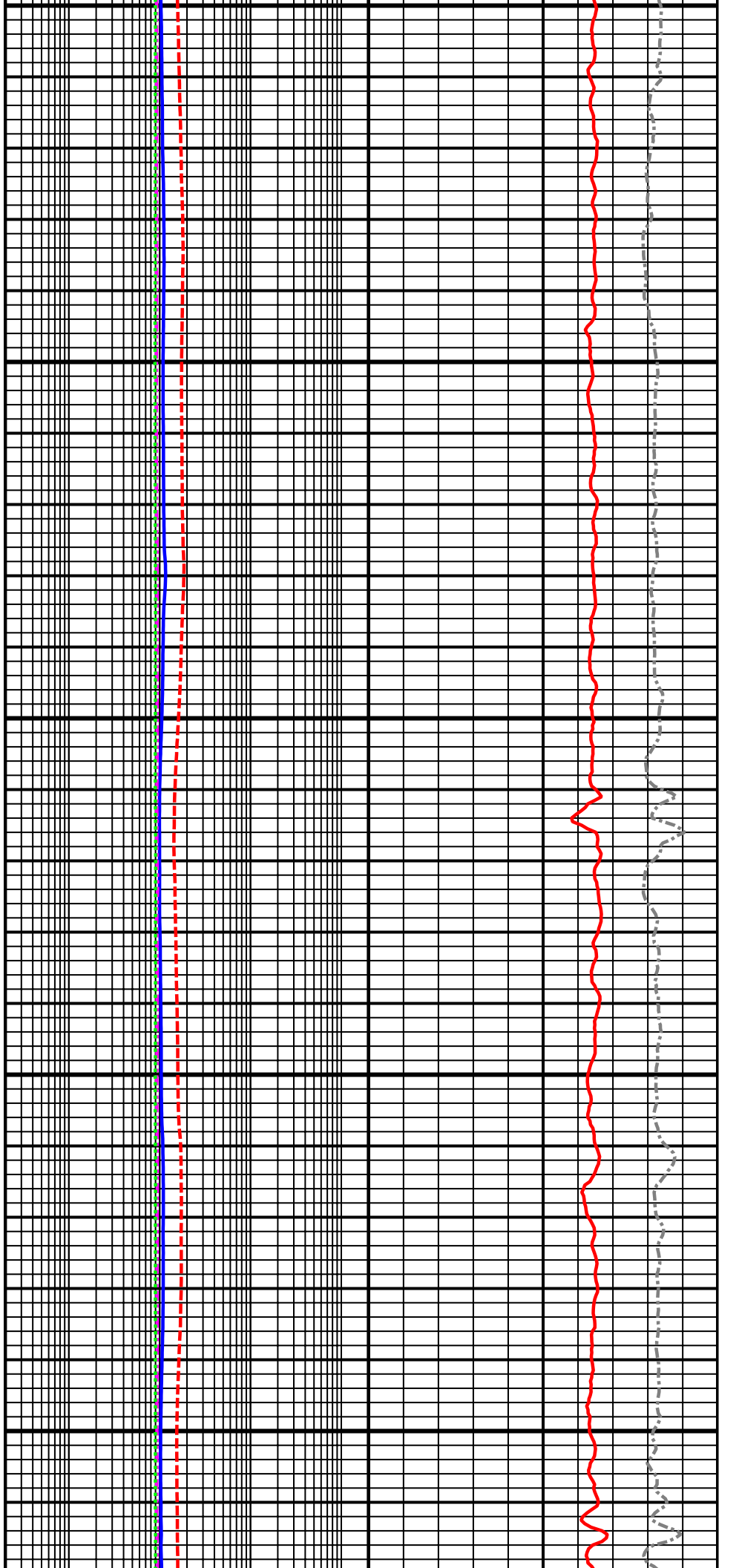
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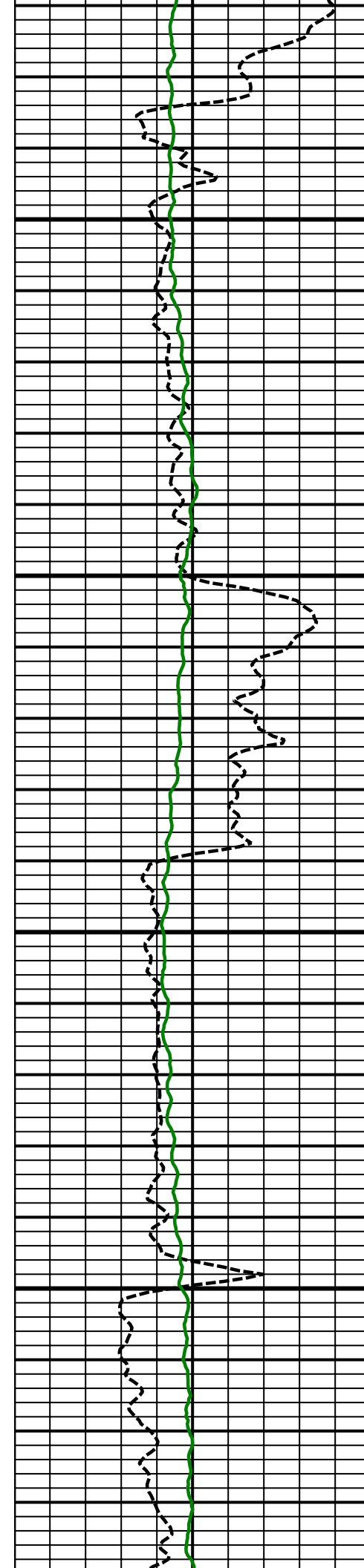




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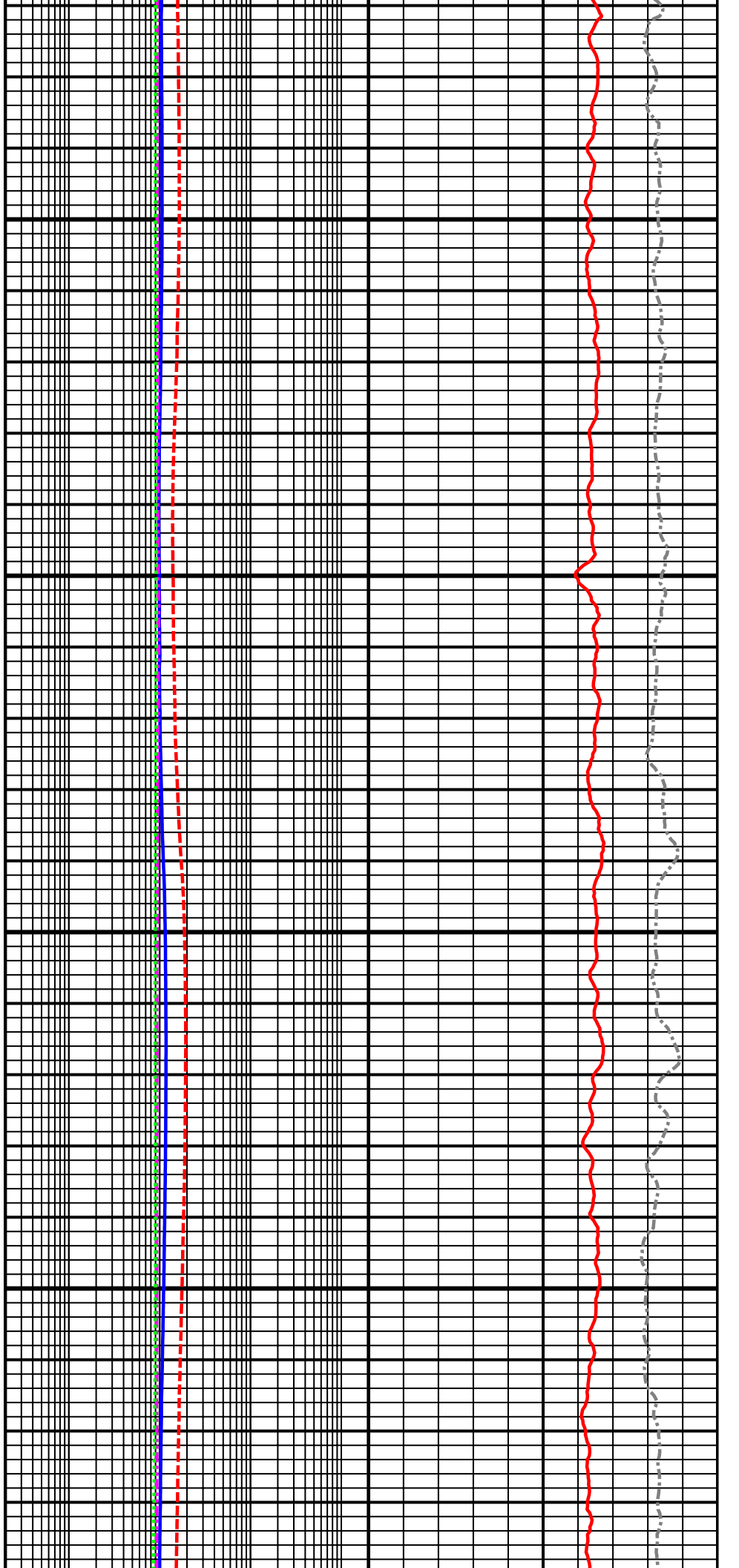
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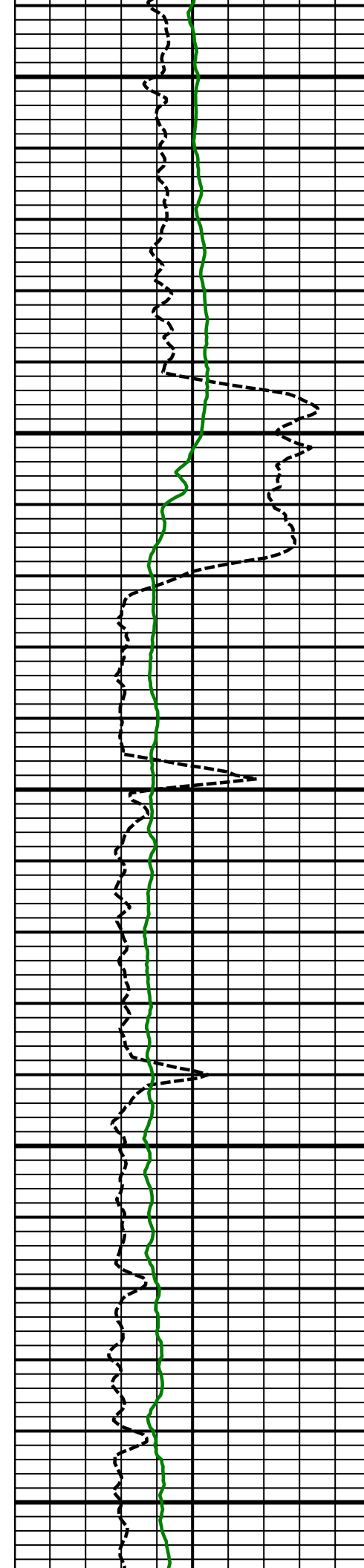




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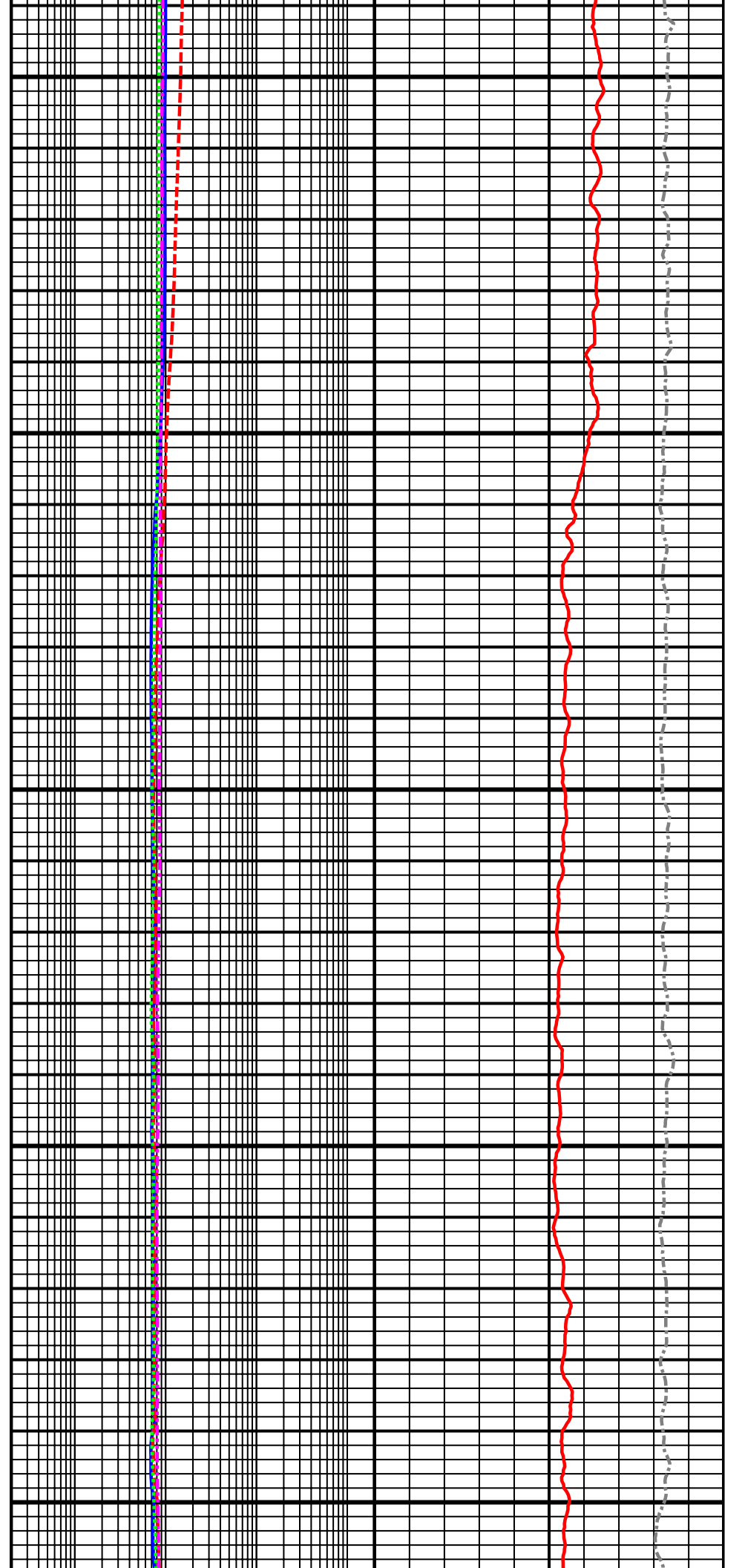


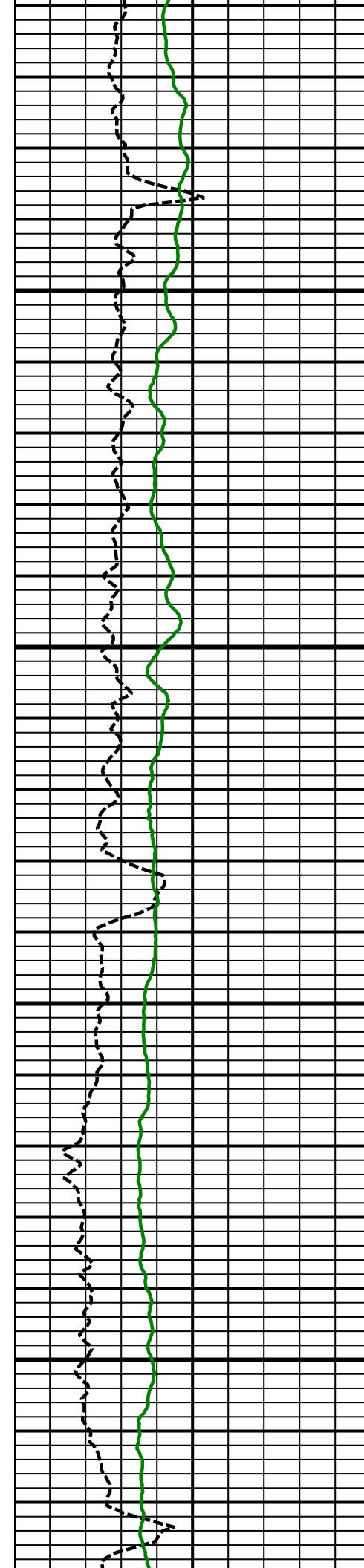


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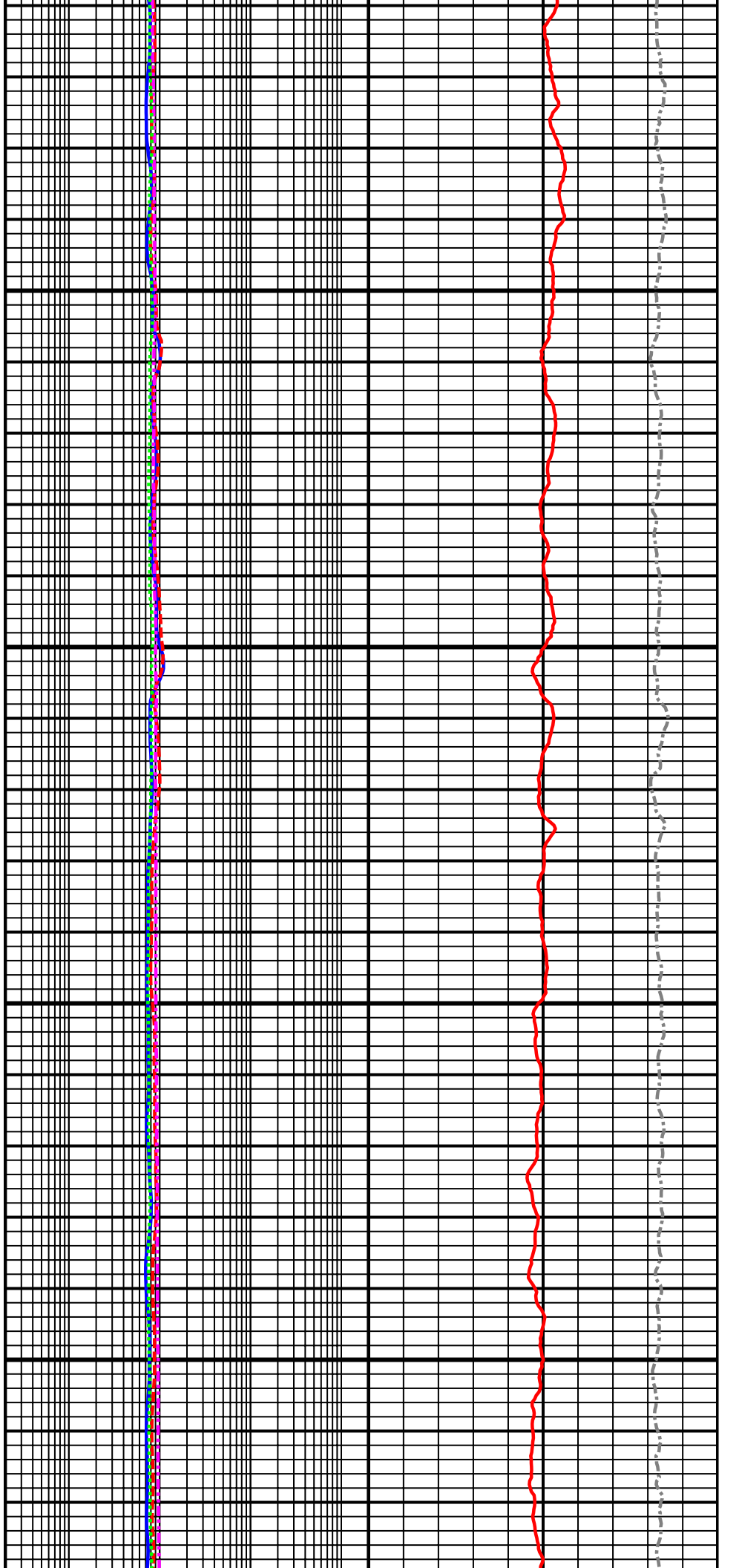
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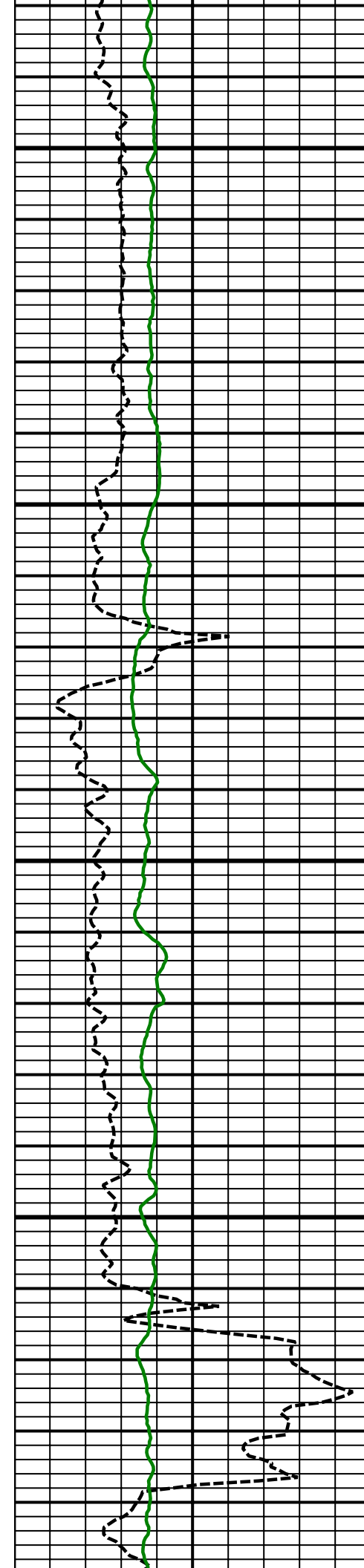




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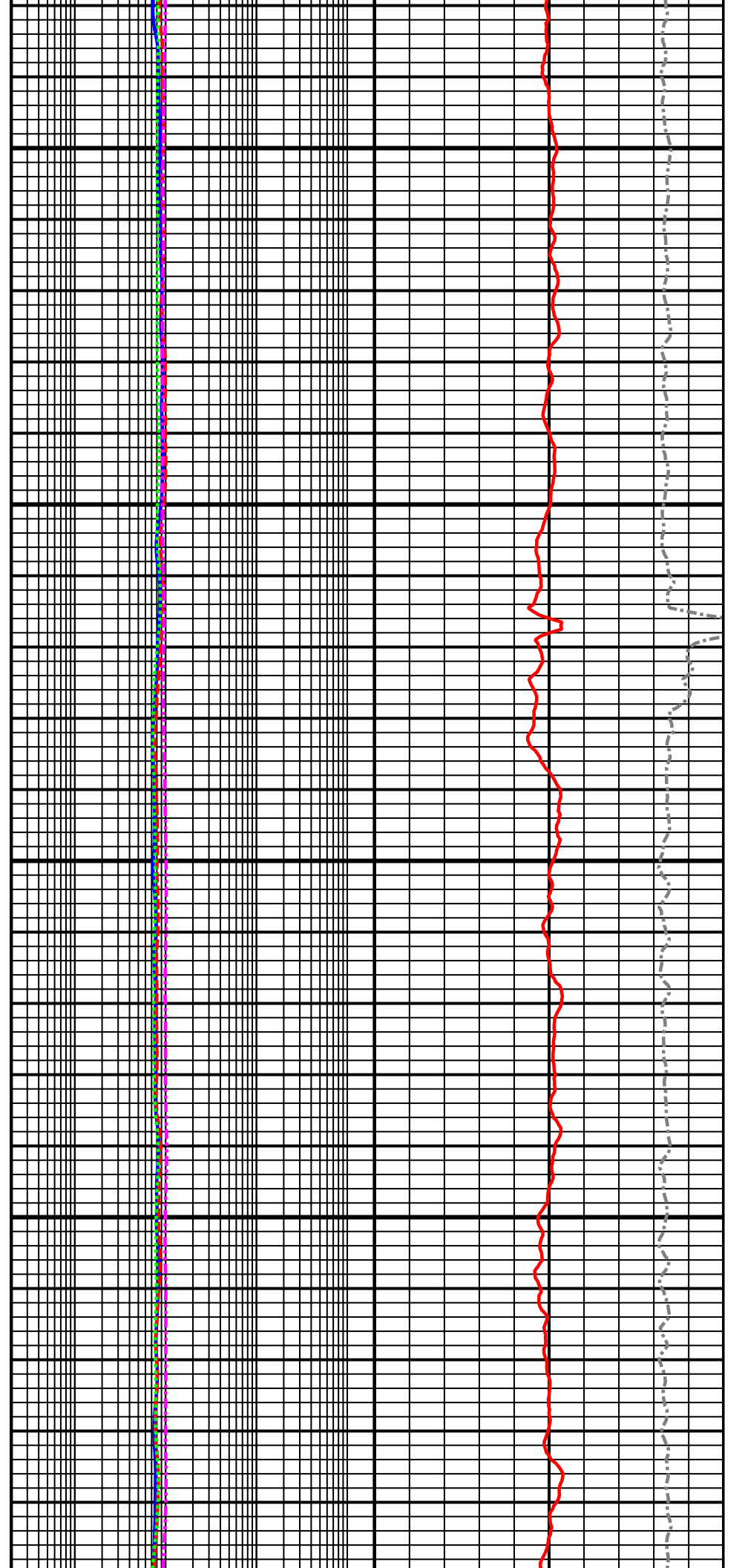
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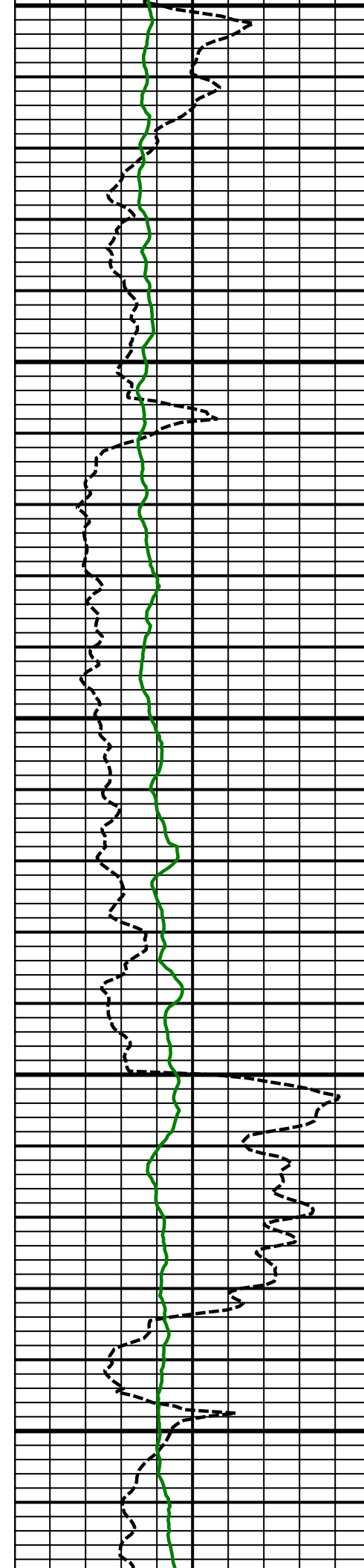




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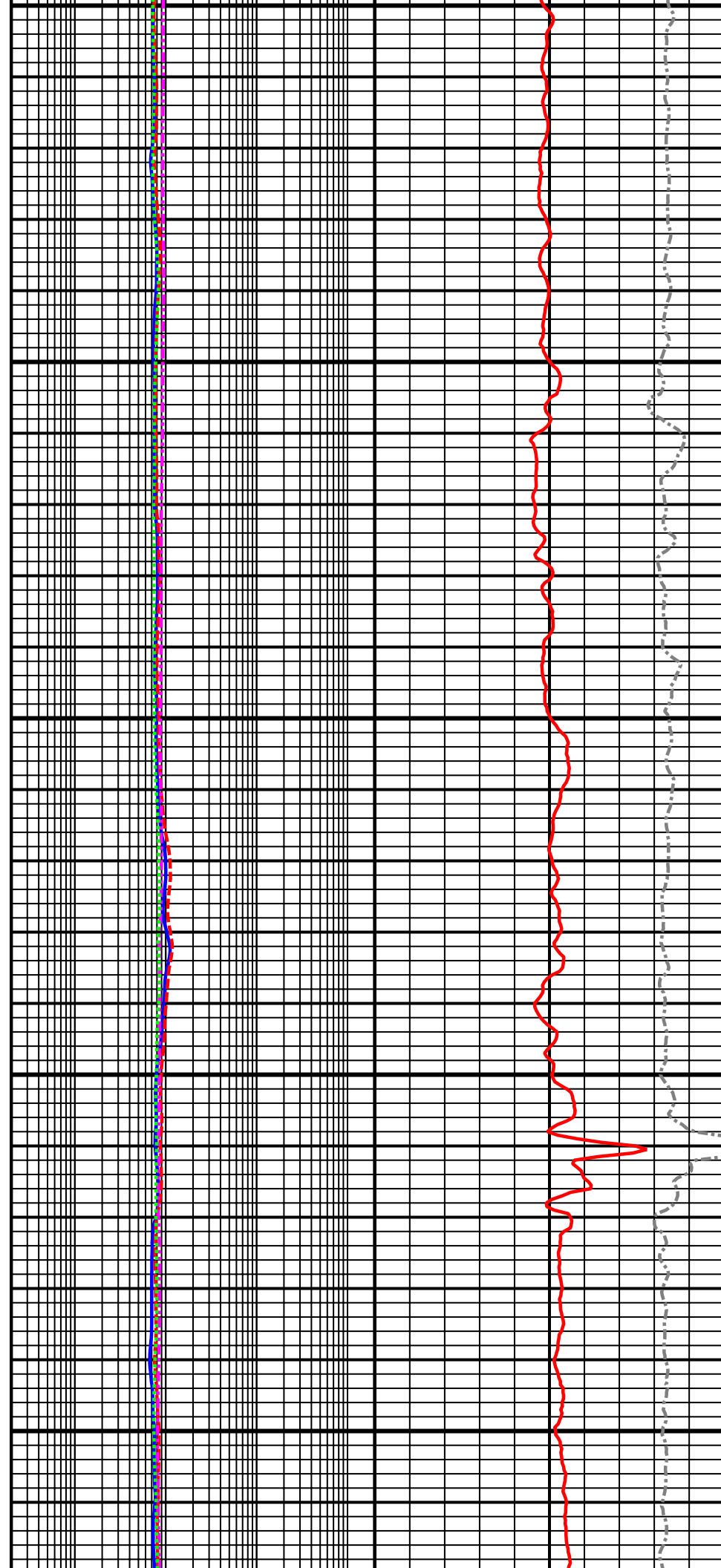
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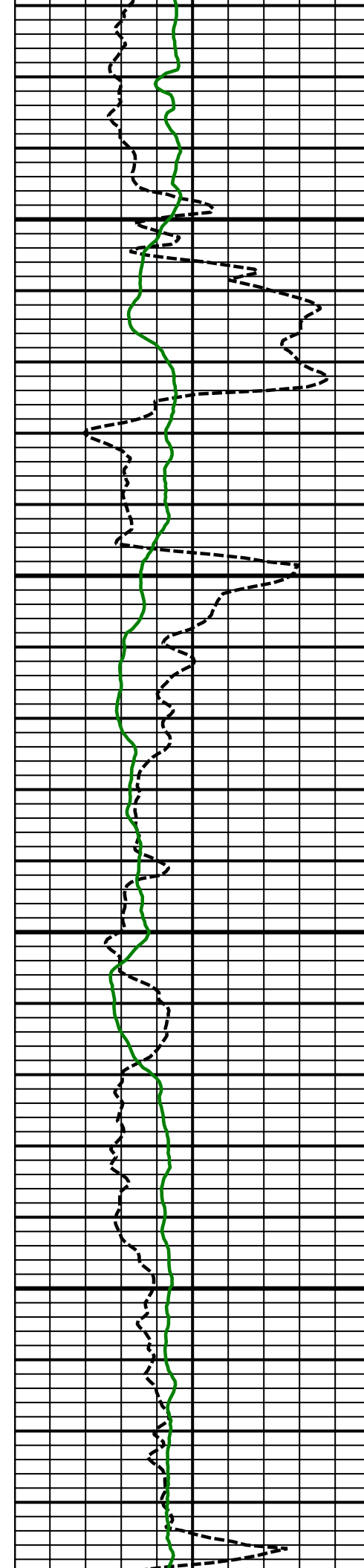




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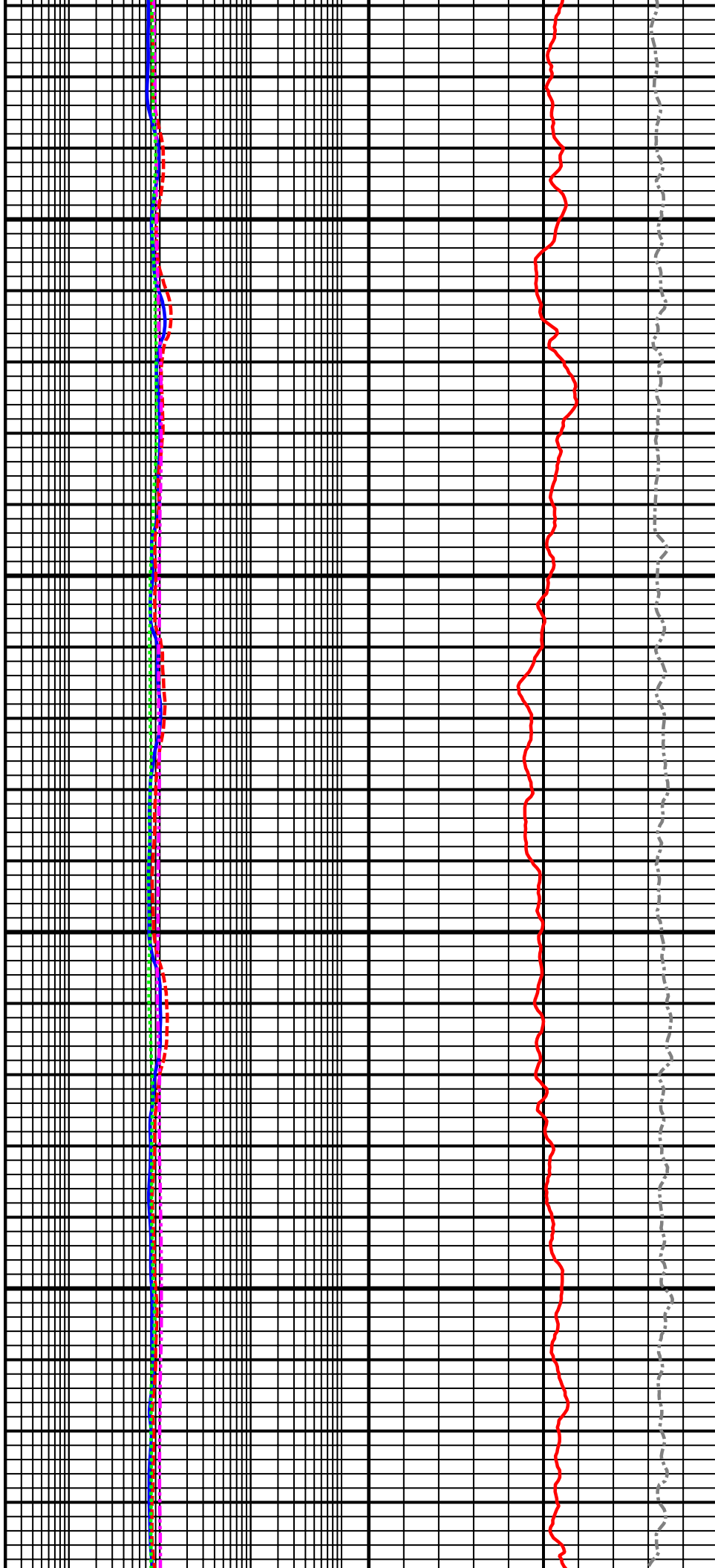
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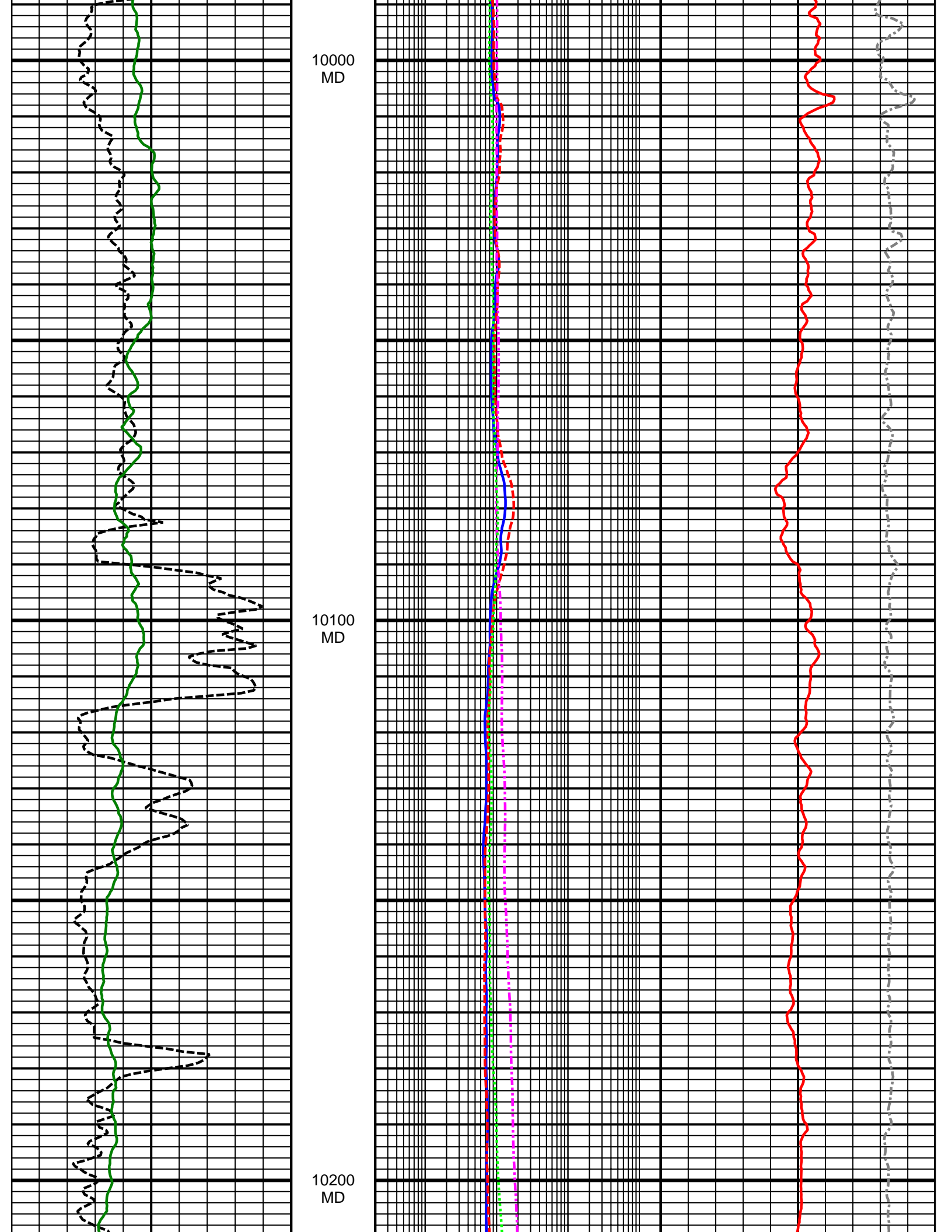


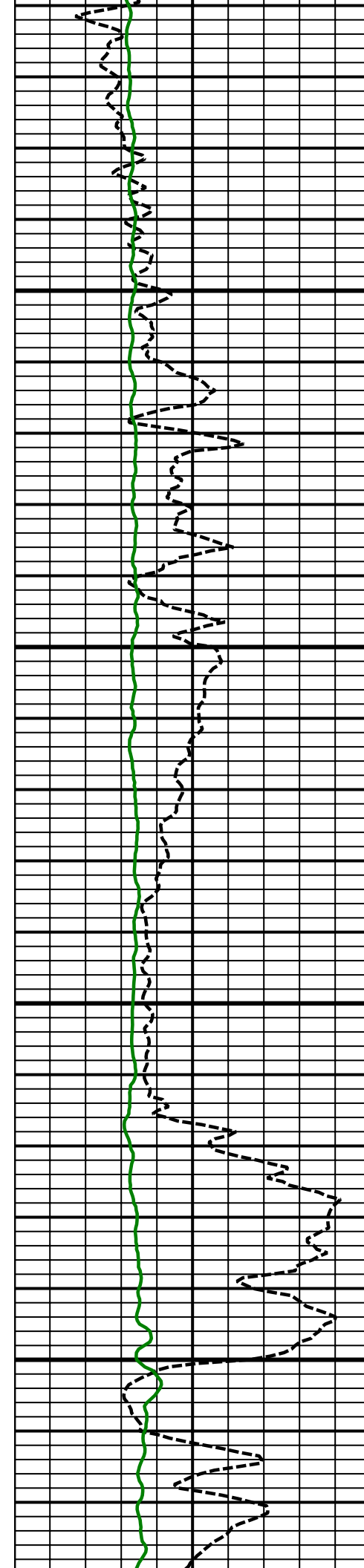


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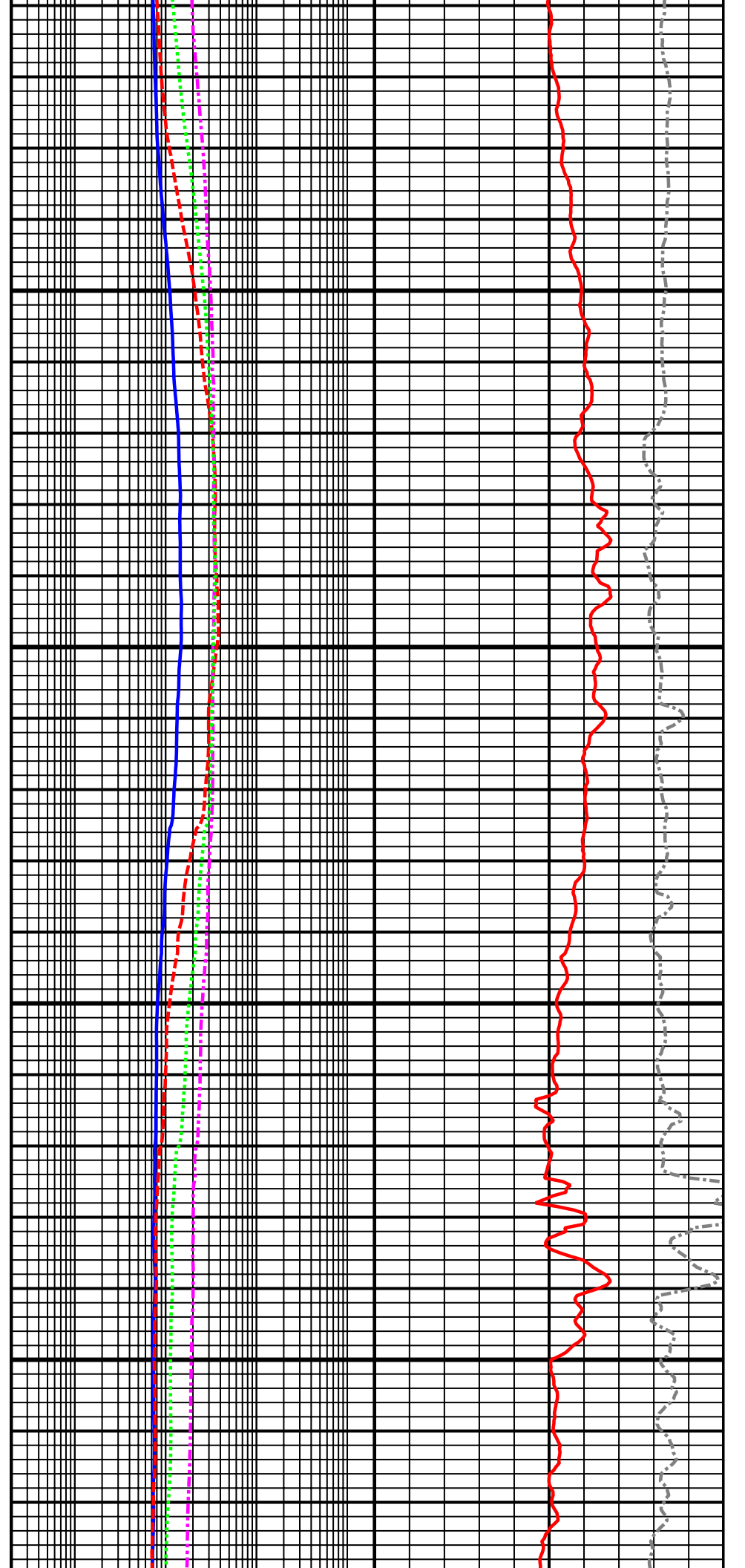


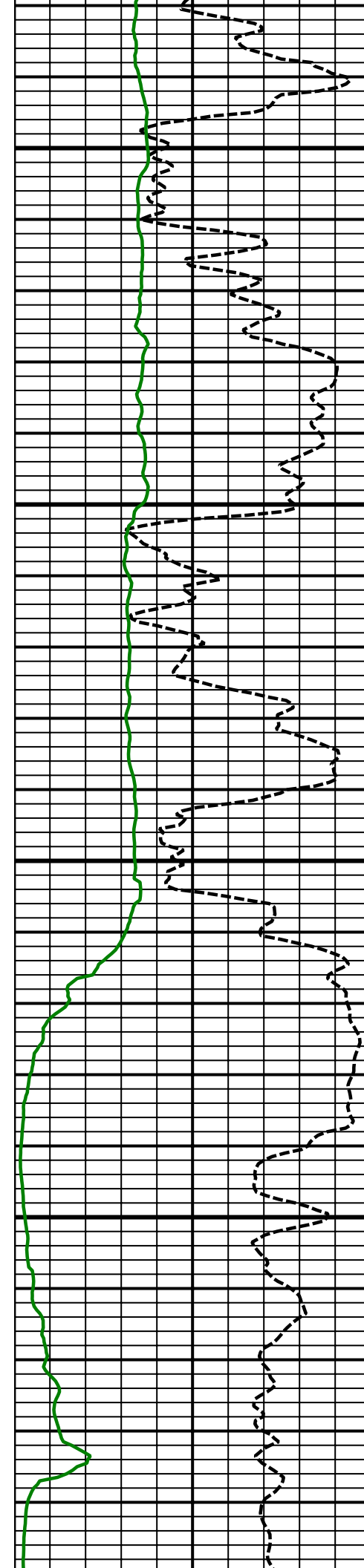




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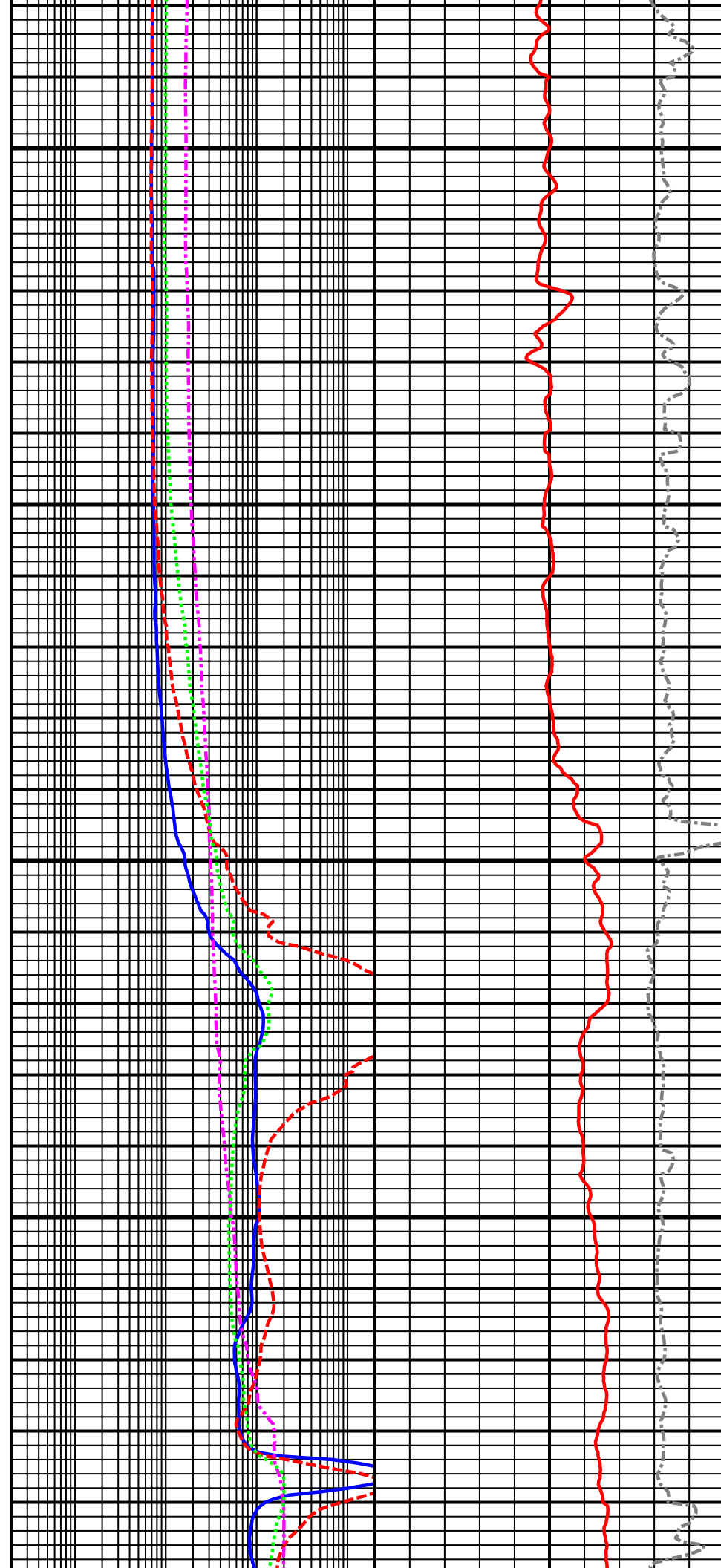
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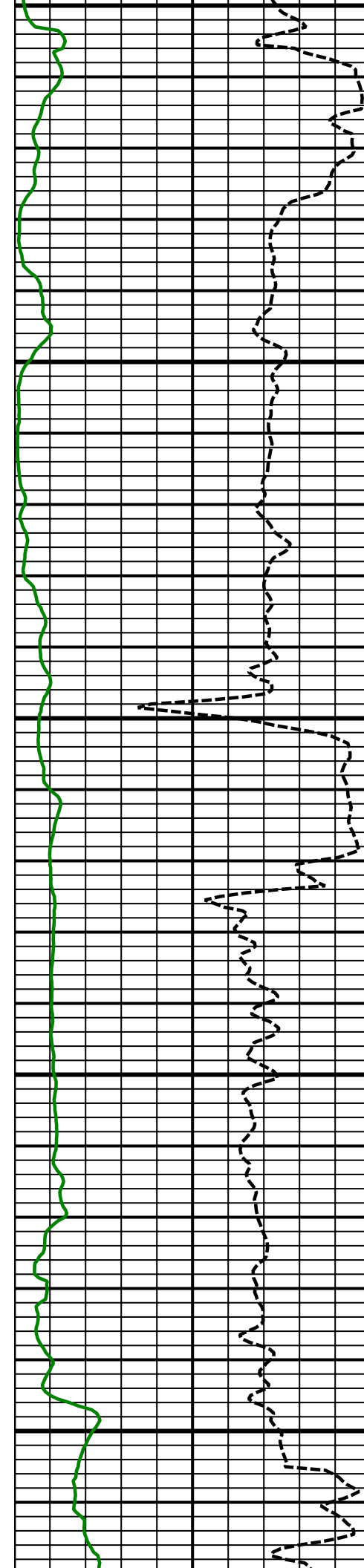




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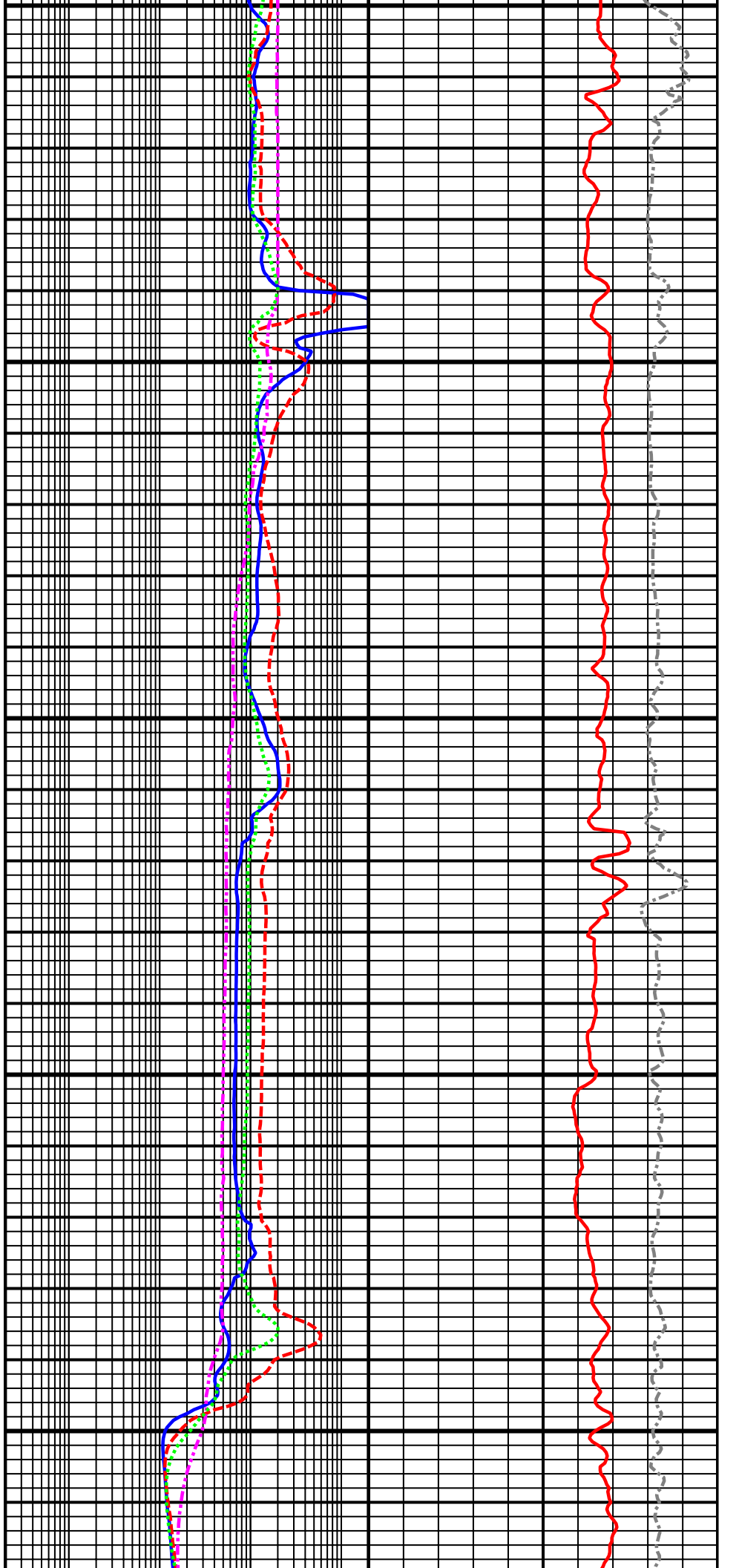
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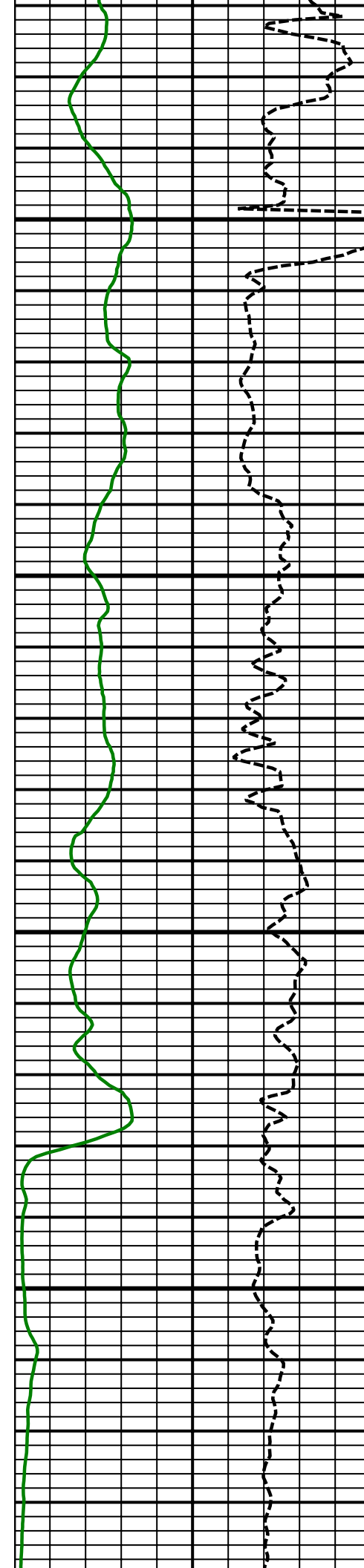




10700
MD

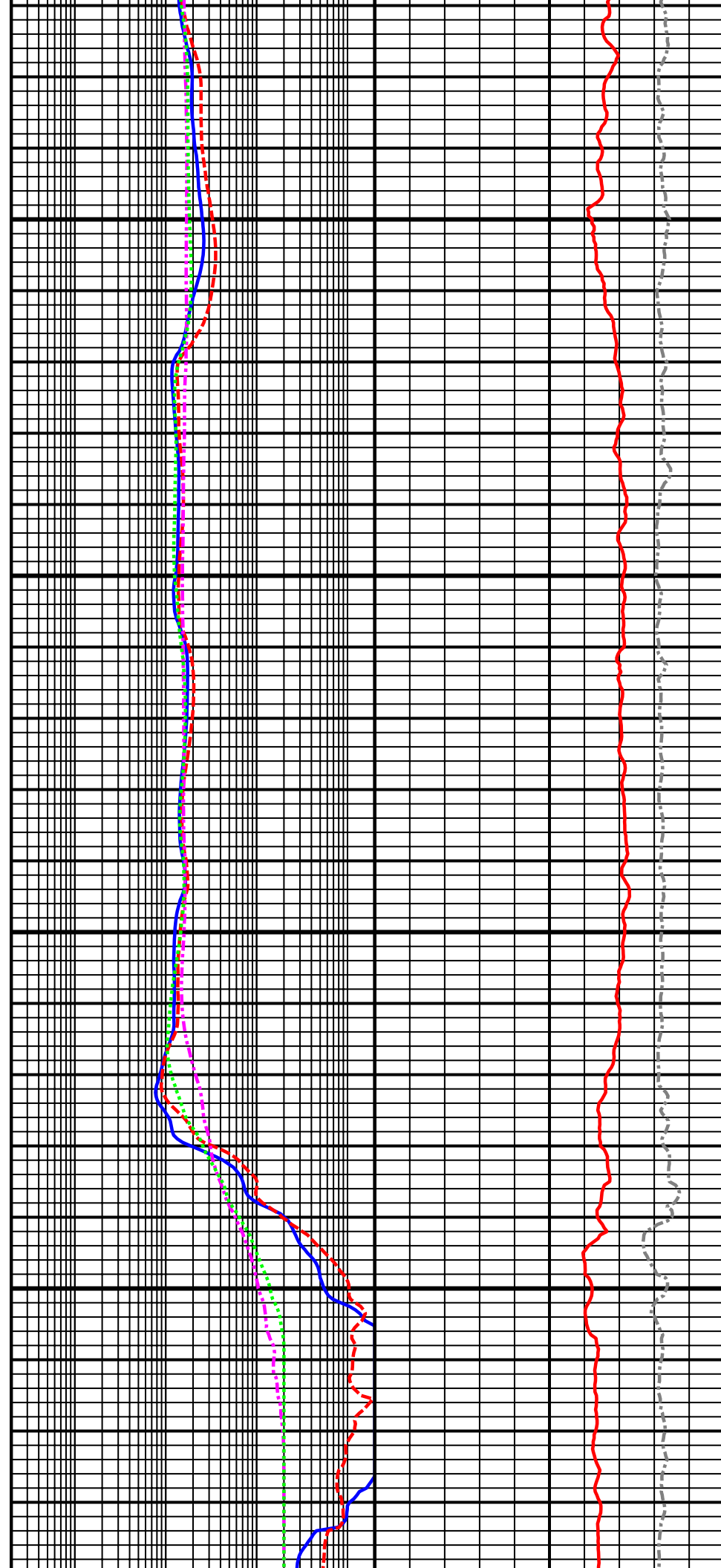
10800
MD

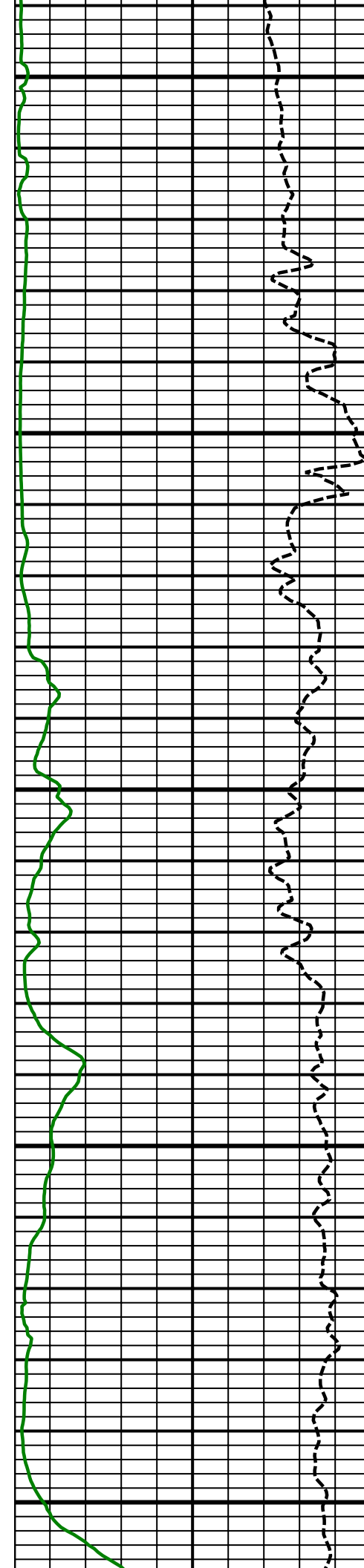




10900
MD

11000
MD

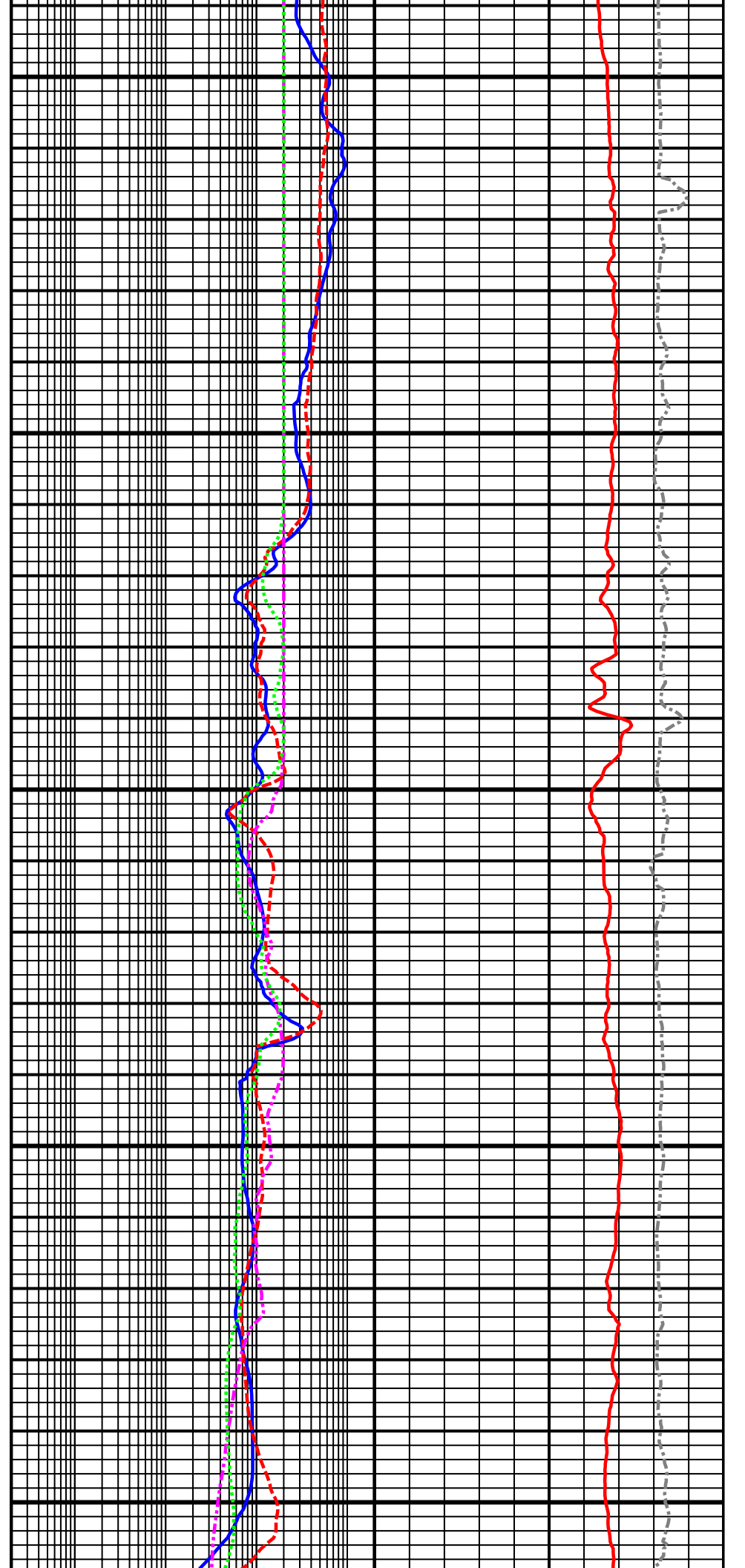


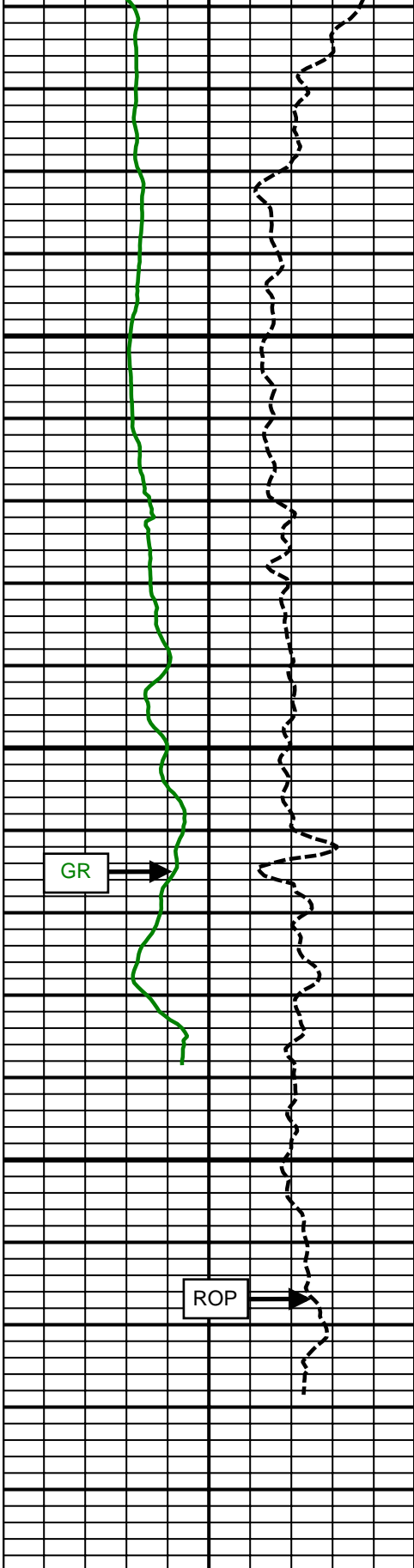


11100
MD

11200
MD

11300
MD





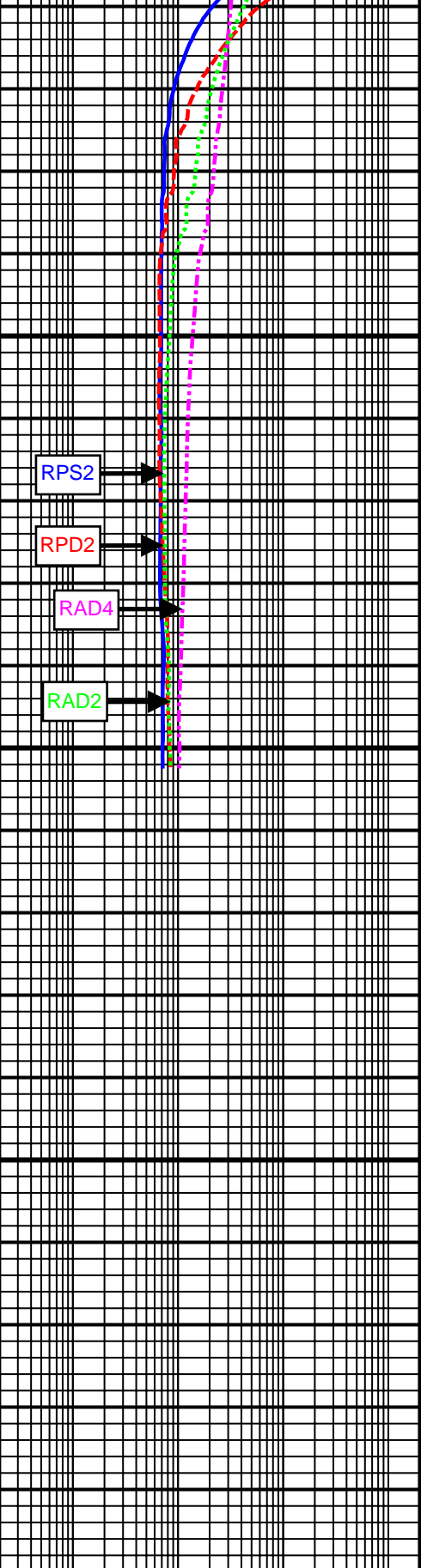
GR

ROP

11400
MD

Comment
3-2

11500

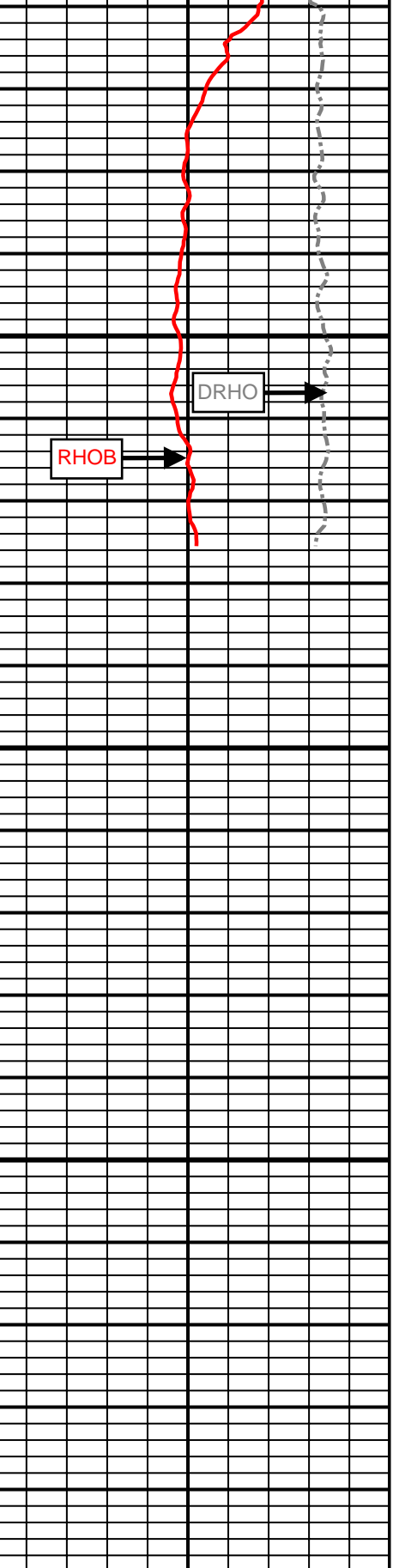


RPS2

RPD2

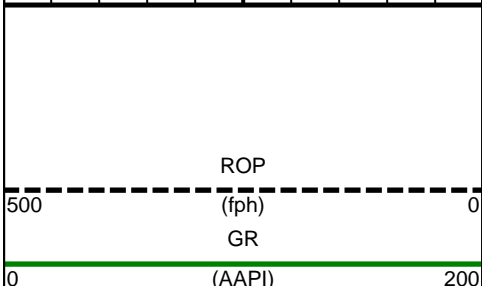
RAD4

RAD2



RHOB

DRHO

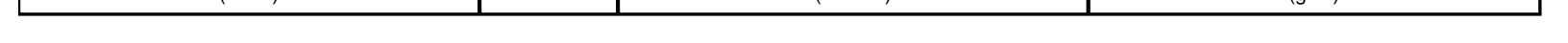


ROP
(fph)

GR
(AAPi)

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














1.95	RHOB (g/cc)	2.95
0.8	DRHO (a/cc)	0.2




















AZD Density and Pe Calibration

All count rates are corrected for deadtime, without background subtraction.

Tool Serial Number:	47915	Stabilizer blade:	5.875 in.	Aluminum Block:	AL03
Insert Serial Number:	47913	Calibration Date:	Jun 29, 2012	Magnesium Block:	MG03
Source Serial Number:	06955B	Calibration Time:	02:30:18 PM	Run Numbers:	03

Near Detector	Background	Al with Source	Al + SST with source	Mg with Source	Units
Peak (214-216):	214.660 214  216	214.570 214  216	214.557 214  216	214.330 214  216	Ch
Resolution (5-13.5%):	9.133 5  13.5	8.996 5  13.5	8.776 5  13.5	9.102 5  13.5	%
HV:	900.409 600  1300	898.462 600  1300	899.170 600  1300	900.763 600  1300	V
Density:	543.182	8488.490	7520.596	12841.040	CPS
Pe:	147.445	4079.302	3158.738	6212.256	CPS
Source:	202.177 150  300	214.864	212.141	219.944	CPS

Far Detector	Background	Al with Source	Al + SST with source	Mg with Source	Units
Peak (214-216):	215.065 214  216	215.223 214  216	215.460 214  216	214.920 214  216	Ch
Resolution (5-13.5%):	9.793 5  13.5	8.994 5  13.5	9.425 5  13.5	9.068 5  13.5	%
HV:	952.271 600  1300	951.032 600  1300	951.032 600  1300	949.439 600  1300	V
Density:	275.912	828.636	760.046	4279.531	CPS
Pe:	49.541	205.405	164.539	1212.671	CPS
Source:	142.748 100  200	143.952	144.010	142.998	CPS

Results	Near Density	Far Density	Near Pe	Far Pe	
Slope:	-0.4783 -0.56  -0.43	-2.2002 -2.26  -2.16	2.6692 0.1  10	3.6423	
Offset:	10.2180	12.0017	-0.9426 -3  0.1	-0.6674	

SURVEY

Survey Calculation Method: **Minimum Curvature**

Magnetic Reference	Target Direction	Total Magnetic Field	Magnetic Dip Angle	Magnetic Declination	Grid Convergence	Total Correction
True North	179.65 deg	52906 nT	66.94 deg	8.70 deg	0.00 deg	8.70 deg
Survey Tie-On	Depth	INC	AZ	TVD	NS	EW
	749.00 ft	0.12 deg	57.17 deg	749.00 ft	0.77 ft	-0.26 ft

Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	Well Head		VSect (ft)	Dogleg (deg/100ft)
				NS (ft)	EW (ft)		
949.00	0.25	292.61	949.00	1.05	-0.49	-1.05	0.17
1039.00	0.56	310.60	1039.00	1.41	-1.00	-1.42	0.37
1130.00	1.93	9.37	1129.98	3.21	-1.09	-3.22	1.88
1221.00	4.06	17.55	1220.85	7.80	0.13	-7.80	2.38
1314.00	6.03	16.38	1313.48	15.62	2.50	-15.61	2.12
1406.00	6.60	14.38	1404.92	25.38	5.18	-25.35	0.66
1501.00	6.56	14.05	1499.30	35.94	7.85	-35.89	0.06
1596.00	6.59	5.01	1593.68	46.63	9.64	-46.57	1.09
1691.00	6.13	1.30	1688.09	57.13	10.24	-57.07	0.65
1786.00	5.90	3.14	1782.57	67.08	10.62	-67.01	0.32
1881.00	5.97	13.19	1877.06	76.76	12.01	-76.69	1.09
1975.00	5.43	13.92	1970.60	85.84	14.20	-85.75	0.58
2070.00	4.87	10.40	2065.21	94.17	16.01	-94.07	0.68
2165.00	6.32	14.24	2159.76	103.20	18.02	-103.09	1.58
2260.00	5.36	12.02	2254.26	112.61	20.23	-112.49	1.04
2355.00	6.32	16.41	2348.77	121.97	22.63	-121.83	1.11
2449.00	5.40	14.73	2442.28	131.21	25.22	-131.05	1.00
2545.00	6.99	12.44	2537.71	141.28	27.63	-141.11	1.68
2640.00	5.60	10.21	2632.14	151.49	29.69	-151.31	1.49
2734.00	4.69	3.87	2725.76	159.84	30.77	-159.65	1.14
2829.00	6.31	10.97	2820.32	168.84	32.02	-168.64	1.85
2924.00	5.98	9.76	2914.77	178.84	33.85	-178.63	0.37
3018.00	5.45	7.70	3008.31	188.09	35.28	-187.87	0.60
3113.00	6.16	19.46	3102.82	197.37	37.58	-197.13	1.45
3208.00	4.69	21.42	3197.39	205.79	40.70	-205.54	1.56
3303.00	5.68	19.71	3292.01	213.83	43.71	-213.56	1.05
3399.00	6.32	11.49	3387.48	223.48	46.36	-223.19	1.11
3494.00	4.96	11.26	3482.02	232.63	48.20	-232.34	1.43
3589.00	3.65	356.56	3576.75	239.68	48.82	-239.38	1.79
3683.00	1.86	331.73	3670.64	244.01	47.92	-243.71	2.25
3777.00	0.80	261.11	3764.62	245.25	46.55	-244.97	1.88
3873.00	0.74	261.92	3860.61	245.06	45.28	-244.78	0.06
3967.00	0.90	267.49	3954.60	244.95	43.94	-244.67	0.19
4062.00	0.38	142.99	4049.60	244.66	43.38	-244.39	1.22
4157.00	0.20	1.16	4144.60	244.58	43.57	-244.30	0.58
4252.00	0.69	320.96	4239.59	245.19	43.22	-244.92	0.58
4346.00	1.09	328.14	4333.58	246.38	42.39	-246.12	0.44
4440.00	0.80	244.93	4427.57	246.87	41.32	-246.61	1.35
4535.00	1.09	268.83	4522.56	246.57	39.82	-246.32	0.51
4630.00	1.05	152.66	4617.55	245.77	39.31	-245.53	1.91
4724.00	0.97	145.03	4711.54	244.36	40.17	-244.11	0.17
4819.00	0.58	55.98	4806.53	243.97	41.03	-243.71	1.18

4913.00	0.73	23.83	4900.53	244.78	41.66	-244.52	0.42
5008.00	1.41	143.21	4995.52	244.40	42.61	-244.13	1.98
5103.00	1.00	164.58	5090.49	242.66	43.53	-242.39	0.63
5198.00	0.63	178.44	5185.49	241.34	43.76	-241.07	0.44
5292.00	0.49	213.29	5279.48	240.49	43.55	-240.22	0.38
5387.00	0.51	230.60	5374.48	239.88	43.00	-239.62	0.16
5482.00	0.29	215.02	5469.47	239.42	42.54	-239.15	0.26
5576.00	0.20	286.27	5563.47	239.27	42.25	-239.01	0.31
5672.00	0.22	241.79	5659.47	239.23	41.92	-238.97	0.17
5767.00	0.73	187.99	5754.47	238.54	41.68	-238.28	0.66
5863.00	0.97	200.01	5850.46	237.17	41.32	-236.92	0.31
5958.00	1.21	205.76	5945.44	235.51	40.60	-235.26	0.28
6052.00	0.56	185.90	6039.43	234.16	40.13	-233.91	0.75
6147.00	0.72	193.72	6134.42	233.12	39.94	-232.87	0.19
6242.00	0.91	191.80	6229.42	231.80	39.64	-231.56	0.20
6337.00	1.22	209.70	6324.40	230.19	38.98	-229.94	0.47
6432.00	1.06	194.02	6419.38	228.46	38.27	-228.22	0.37
6526.00	3.83	171.93	6513.29	224.50	38.50	-224.26	3.06
6558.00	8.07	178.32	6545.11	221.20	38.72	-220.96	13.39
6590.00	11.85	178.16	6576.62	215.67	38.89	-215.43	11.81
6621.00	14.64	179.45	6606.79	208.57	39.03	-208.32	9.05
6654.00	17.06	177.90	6638.54	199.56	39.25	-199.31	7.44
6685.00	20.44	177.11	6667.89	189.60	39.69	-189.36	10.93
6717.00	21.54	177.91	6697.76	178.15	40.18	-177.90	3.55
6749.00	20.72	177.59	6727.61	166.63	40.63	-166.38	2.59
6780.00	19.75	176.39	6756.70	155.92	41.19	-155.67	3.40
6812.00	20.49	175.45	6786.74	144.94	41.98	-144.68	2.52
6843.00	23.52	178.41	6815.48	133.35	42.58	-133.08	10.41
6875.00	26.88	183.72	6844.44	119.74	42.29	-119.48	12.65
6907.00	30.00	185.38	6872.57	104.55	41.07	-104.30	10.06
6938.00	32.82	183.45	6899.03	88.45	39.84	-88.20	9.66
6970.00	35.57	182.12	6925.49	70.49	38.97	-70.25	8.91
7001.00	39.53	181.32	6950.07	51.61	38.41	-51.37	12.87
7033.00	42.93	180.02	6974.13	30.52	38.17	-30.29	10.96
7064.00	46.89	179.14	6996.08	8.64	38.34	-8.41	12.93
7096.00	49.77	178.78	7017.35	-15.26	38.77	15.49	9.04
7128.00	51.42	178.64	7037.67	-39.98	39.33	40.22	5.17
7159.00	53.40	179.18	7056.57	-64.53	39.80	64.78	6.53
7191.00	57.02	179.81	7074.83	-90.81	40.02	91.05	11.43
7222.00	61.47	179.96	7090.68	-117.44	40.08	117.69	14.36
7254.00	66.47	179.77	7104.72	-146.19	40.14	146.43	15.63
7285.00	70.39	180.66	7116.11	-175.01	40.03	175.25	12.92
7318.00	73.62	180.75	7126.31	-206.39	39.65	206.63	9.79
7349.00	76.81	179.88	7134.22	-236.36	39.48	236.60	10.64
7381.00	79.31	178.95	7140.84	-267.66	39.81	267.90	8.31
7412.00	80.51	178.14	7146.27	-298.17	40.58	298.41	4.65
7444.00	82.63	178.26	7150.96	-329.81	41.57	330.06	6.64
7560.00	89.32	179.69	7159.10	-445.43	43.64	445.69	5.90
7655.00	89.94	178.49	7159.71	-540.42	45.15	540.68	1.42
7750.00	90.06	178.23	7159.71	-635.38	47.86	635.66	0.30
7844.00	91.23	178.00	7158.65	-729.32	50.96	729.62	1.27
7939.00	92.16	179.92	7155.84	-824.26	52.68	824.57	2.24
8034.00	91.48	179.59	7152.82	-919.21	53.09	919.52	0.80
8129.00	91.48	180.48	7150.37	-1014.18	53.03	1014.48	0.94
8224.00	90.74	180.71	7148.53	-1109.15	52.04	1109.45	0.82
8319.00	90.06	180.02	7147.87	-1204.15	51.44	1204.44	1.02
8414.00	91.66	180.17	7146.44	-1299.13	51.28	1299.42	1.69
8509.00	90.55	179.19	7144.61	-1394.11	51.81	1394.40	1.56
8604.00	90.86	180.02	7143.44	-1489.10	52.47	1489.39	0.93
8699.00	90.43	180.34	7142.37	-1584.09	52.17	1584.38	0.56
8794.00	91.97	181.22	7140.38	-1679.06	50.87	1679.34	1.87

8889.00	91.66	180.54	7137.37	-1774.00	49.42	1774.27	0.79
8983.00	92.46	182.96	7133.99	-1867.89	46.55	1868.14	2.71
9079.00	91.76	181.47	7130.46	-1963.75	42.84	1963.97	1.71
9174.00	91.36	181.51	7127.87	-2058.68	40.37	2058.89	0.42
9268.00	90.86	181.32	7126.05	-2152.63	38.05	2152.83	0.57
9363.00	90.43	182.45	7124.98	-2247.58	34.93	2247.75	1.27
9459.00	90.18	183.01	7124.47	-2343.46	30.35	2343.61	0.64
9553.00	90.06	180.68	7124.27	-2437.41	27.33	2437.53	2.48
9648.00	89.20	181.04	7124.89	-2532.40	25.90	2532.51	0.98
9743.00	90.12	179.56	7125.45	-2627.39	25.40	2627.50	1.83
9837.00	91.05	179.30	7124.49	-2721.38	26.34	2721.49	1.03
9933.00	90.74	178.73	7122.99	-2817.35	27.99	2817.47	0.68
10028.00	90.12	178.27	7122.28	-2912.32	30.48	2912.45	0.81
10123.00	91.66	177.80	7120.80	-3007.25	33.73	3007.40	1.69
10218.00	90.86	177.97	7118.71	-3102.16	37.24	3102.33	0.86
10314.00	87.59	174.29	7120.01	-3197.90	43.71	3198.11	5.13
10409.00	88.21	173.36	7123.49	-3292.28	53.93	3292.55	1.18
10504.00	90.43	173.48	7124.62	-3386.65	64.81	3386.98	2.34
10599.00	91.85	174.89	7122.73	-3481.13	74.43	3481.52	2.11
10693.00	93.57	176.40	7118.29	-3574.75	81.56	3575.18	2.43
10788.00	93.21	176.48	7112.67	-3669.40	87.45	3669.87	0.39
10883.00	91.66	175.30	7108.63	-3764.07	94.25	3764.57	2.05
10978.00	90.93	175.09	7106.49	-3858.71	102.21	3859.26	0.80
11074.00	89.69	174.13	7105.97	-3954.28	111.23	3954.88	1.63
11169.00	88.52	171.29	7107.45	-4048.49	123.28	4049.17	3.23
11264.00	87.28	171.05	7110.93	-4142.30	137.85	4143.06	1.33
11359.00	86.21	170.37	7116.33	-4235.90	153.16	4236.76	1.33
11425.00	86.05	170.64	7120.78	-4300.85	164.02	4301.77	0.47
11477.00	86.05	170.64	7124.36	-4352.03	172.46	4353.00	0.00

Weatherford M/LWD surveys from 949 ft MD to 11425 ft MD.

TD at 11477.00 ft MD.

The total correction is 8.70 deg relative to True North.



Weatherford[®]

Final Print

COMPANY	<u>Anadarko</u>		
WELL	<u>Cannon 37C-3HZ</u>		
FIELD	<u>Wattenberg</u>		
RIG	<u>H&P 307</u>		
LOC.	<u>Colorado</u>	COUNTY	<u>Weld</u>