



Weatherford®

**6 3/4 in. & 4 3/4 in. WeatherfordLWD™
Spectral Gamma Ray & Resistivity
5 in. MEASURED DEPTH
RECORDED DATA
FINAL PRINT**

Company: Anadarko
Well: Sarchet 15N-32HZ
Field: Wattenberg
Rig: H & P 307
County: Weld

COMPANY Anadarko
WELL Sarchet 15N-32HZ
FIELD Wattenberg
RIG H & P 307
COUNTY Weld STATE Colorado
API # 05-123-35595-0000

Location	
Latitude: 40.18771° N	X = 3,195,525.19 ft
Longitude: 104.80014° W	Y = 1,311,997.72 ft
Other Services: Temperature and Directional	

Mag Decl: 8.74°
Mag Dip: 66.81°

Permanent Datum: <u>Mean Sea Level</u>	
Log Measured From: <u>Drill Floor</u>	Elev: <u>4939.0 ft</u> above perm. datum
Depth Reference: <u>Drillers Tally</u>	Total Depth: <u>11611 ft</u>
Depth Logged: 6557 ft	Runs: 3
Date Logged: 20-Sep-12 to 24-Sep-12	Spud Date: 4-Sep-12

Elevation	
K.B.	Top Drive
G.L.	4919.0 ft
D.F.	4939.0 ft
W.D.	Land

Borehole Record			Casing Record			
Hole Size	From	To	Size	Weight	From	To
8.750 in.	819 ft	7668 ft	9.625 in.	53.5 lb/ft	Surface	819 ft
6.125 in.	7668 ft	11611 ft	7.000 in.	39.0 lb/ft	Surface	7657 ft

Borehole Deviation Record			Mud Record			
Hole Size	Min. Inc.	Max. Inc.	Type	Weight	From	To
8.750 in.	0.14°	87.62°	WBM	8.40 ppq	819 ft	6600 ft
6.125 in.	88.27°	92.04°	WBM	8.40 - 8.80 ppq	6600 ft	7668 ft
			WBM	8.80 - 9.70 ppq	7668 ft	11611 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.	0.650	0.650	0.650			
Bit Start Depth	ft	819	6600	7668			
Bit End Depth	ft	6600	7668	11611			
Top Log Interval	ft	No Logging	6557	7630			
Bottom Log Interval	ft	No Logging	7668	11611			
Begin Log Time	hrs	No Logging	7:11	5:42			
Begin Log Date	DD-MMM-YY	No Logging	20-Sep-12	23-Sep-12			
End Log Time	hrs	No Logging	5:20	20:36			
End Log Date	DD-MMM-YY	No Logging	21-Sep-12	24-Sep-12			
Drill or Wipe		Drill	Drill	Drill			
Flow Rate	gal/min	623	548	300			
Max AV / CV @ MWD	ft/min	492 / 166	433 / 234	431 / 375			
Min Inc @ Depth	deg @ ft	0.14 @ 1131	4.43 @ 6623	88.09 @ 9062			
Max Inc @ Depth	deg @ ft	10.25 @ 3969	87.62 @ 7610	92.04 @ 9814			
MUD DATA							
Depth	ft	6600	7668	11611			
Fluid Type		WBM	WBM	WBM			
Mud Weight	ppg	8.40	8.80	9.70			
Plastic Viscosity	cP	2	5	12			
Solids / Sand	%	1.2 / 0	3.2 / 0.50	7.6 / 0.50			
Total Chlorides	ppm	1000	900	1000			
pH		11.4	8.6	9.8			
Oil:Water Ratio	% Vol	100:0	96.5:3.5	91.2:8.8			
Rm @ Temperature	ohm-m @ deg F	N/A	N/A	1.98 @ 76			
Rmc @ Temperature	ohm-m @ deg F	N/A	N/A	2.90 @ 76			
Rmf @ Temperature	ohm-m @ deg F	N/A	N/A	1.95 @ 76			
KCl	% Vol	0	0	0			
Client Representative		C. Thibodeaux	C. Thibodeaux	C. Thibodeaux			
WeatherfordM/LWD Engineer		R. Komrs	R. Komrs	L. Howse			

EQUIPMENT SUMMARY					
M/LWD Run Number	1	2	3		
MWD Build Number	CP20622YHRDP-01	CP20622YHRDP-01	N/A		
HEL Serial Number	N/A	N/A	NW22010PDB4.75		
MFR Serial Number	N/A	N/A	NW22041RBBK4.75		
IDS Serial Number	N/A	N/A	NW22042BI4.75		
SAGR Serial Number	N/A	N/A	NW22043JB4.75		
Sensor to Bit Offsets / Acquisition Rates					
Directional	ft / sec	57.92 / RT	57.92 / RT	53.90 / RT	
Gamma Ray	ft / sec	43.71 / RT	43.71 / RT	38.98 / 5	
Resistivity	ft / sec	N/A	N/A	75.18 / 5	
Other Information					
Total BHA Length	ft	96.33	96.33	138.08	
BHA Assembly Type		Steerable	Steerable	Steerable	
Stabilizer Location	ft	N/A	N/A	34.41	
Stabilizer Location	ft	N/A	N/A	N/A	
Run Circulating Time	hr	37.00	21.66	51.35	
Run Drilling Time	hr	23.00	13.53	33.26	

MUD SUMMARY

Date and Time	Run	Bit Depth	Mud Weight	% K	Rm @ Temp	Rmf @ Temp	Rmc @ Temp	BHCT
19 Sept 12 @ 20:16	01	6600 ft	8.40 ppg	0	N/A	N/A	N/A	101 F
21 Sept 12 @ 05:20	02	7668 ft	8.80 ppg	0	N/A	N/A	N/A	154 F
25 Sept 12 @ 20:39	03	11611 ft	9.70 ppg	0	1.98 @ 76	1.95 @ 76	2.90 @ 76	224 F

M/LWD RUN REMARKS

Run Number: 1 :: REAL TIME DATA LOG

WFT Services Provided:

Real Time Logging: Temperature.

Directional Services: On demand Inclination and Azimuth.

Run Number: 2 :: REAL TIME DATA 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.: 3.250 in.

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, 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: 9.70 ppg

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

Borehole Temperature: 224° F

Drilling Fluid Resistivity: 1.98 ohm-m

KCl Concentration: 0%

M/LWD LOG COMMENTS

Comment No. 1-1

No logging done during this run.

Comment No. 2-1

REAL TIME 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 September 20, 2012 at 7:11 at 6600 MD / 6565 TVD. Weatherford International logged the 8.75 in. borehole.

The WBM at the start of drilling was 8.8 ppg.

Comment No. 2-2

End of MWD Drilling Run 02

Run 02 ended drilling formation September 21, 2012 at 5:20 at 7668 MD / 7215 TVD.

The WBM at the end of drilling was 8.8 ppg.

Comment No. 3-1

RECORDED DATA LOG

Start of LWD Drilling Run 03

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

Run 03 started formation drilling September 23, 2012 at 5:42 at 7668 MD / 7215 TVD. Weatherford International logged the 6.125 in. borehole.

The WBM at the start of drilling was 8.80 ppg.

Comment No. 3-2

End of LWD Drilling Run 03

Run 03 ended drilling formation September 24, 2012 at 20:36 at 11611 MD / 7213 TVD.

The WBM at the end of drilling was 9.70 ppg.

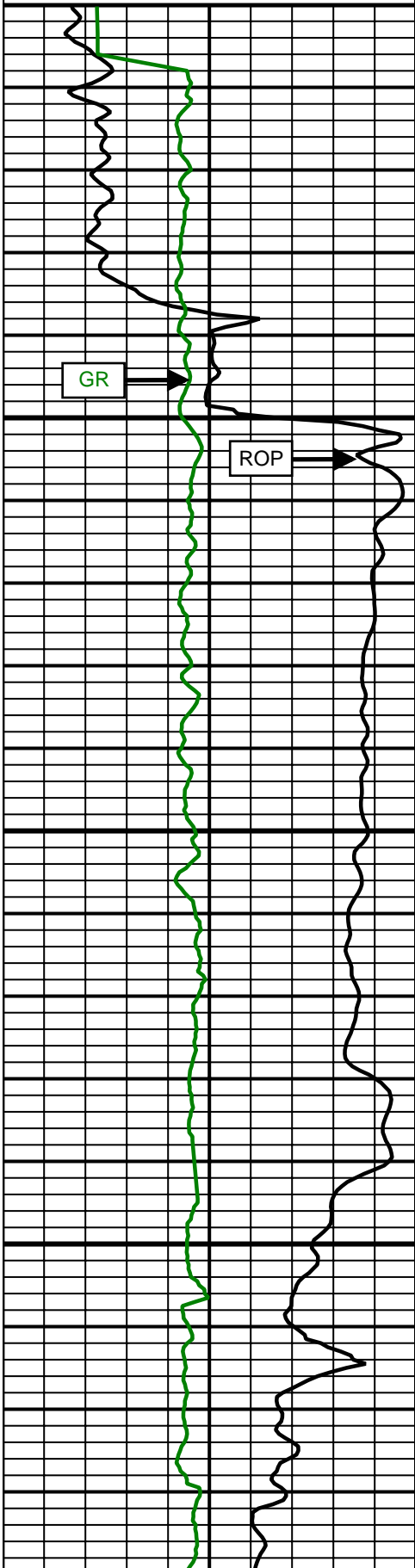
CURVE SPECIFICATIONS				
CURVE TYPE	MNEMONIC	UNITS	COMMENTS	CORRECTIONS
Rate of Penetration	ROP	fph	Rate of Penetration 3.0 ft window 0.5 ft Exponential Smoothing	None
Gamma Ray	GR	AAPI	Gamma Ray 3.0 ft window 0.5 ft Exponential Smoothing	See M/LWD Run Remarks
Deep Phase Resistivity	RPD2	ohm-m	2 MHz 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	
Uranium Total	SGUT	ppm	Uranium 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	

5 Inch - Measured Depth (Image Log)

ROP		
500	(fph)	0
GR		
0	(AAPI)	200

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

SGKT		
0	(%)	10
SGUT		
-10	(ppm)	30
SGTT		
0	(ppm)	40

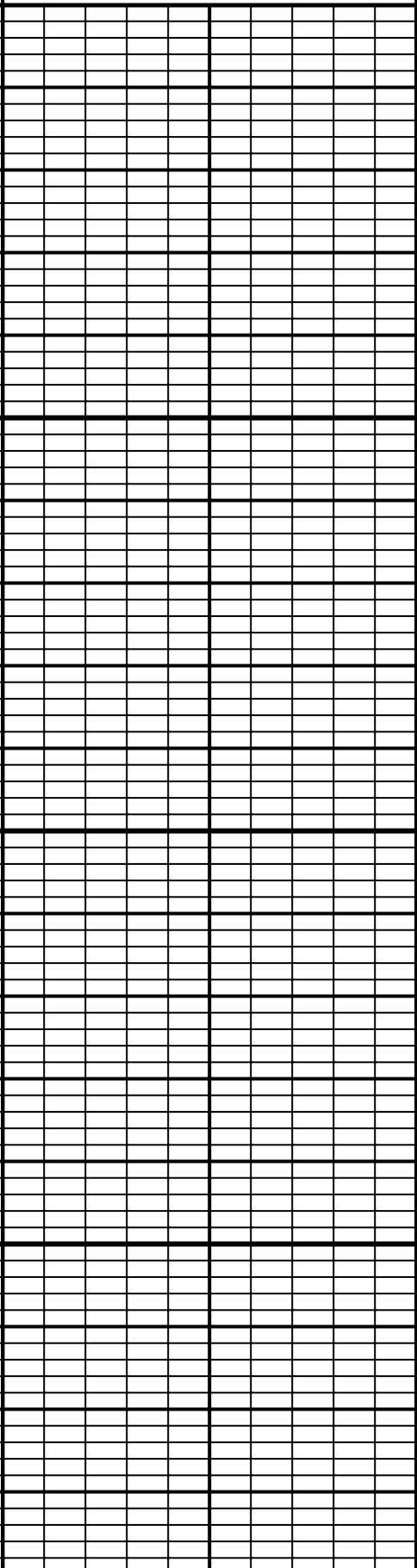
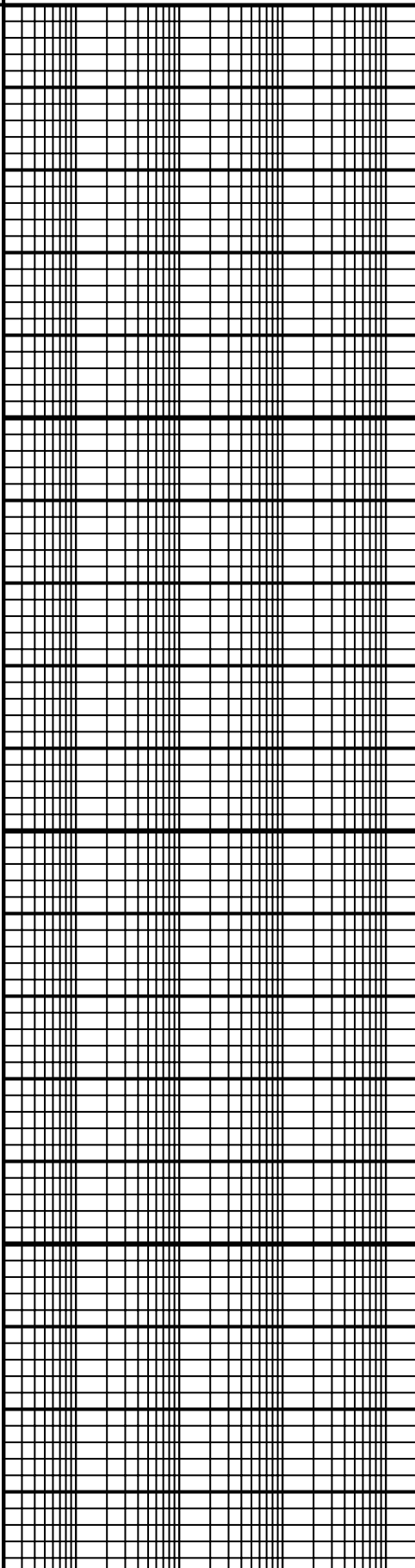


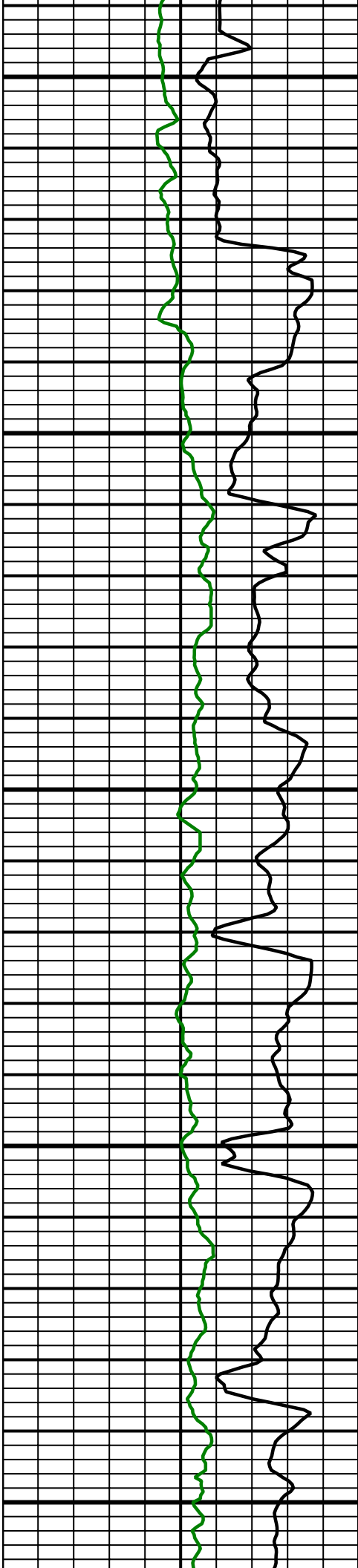
Comment
1-1

Comment
2-1

6600
MD

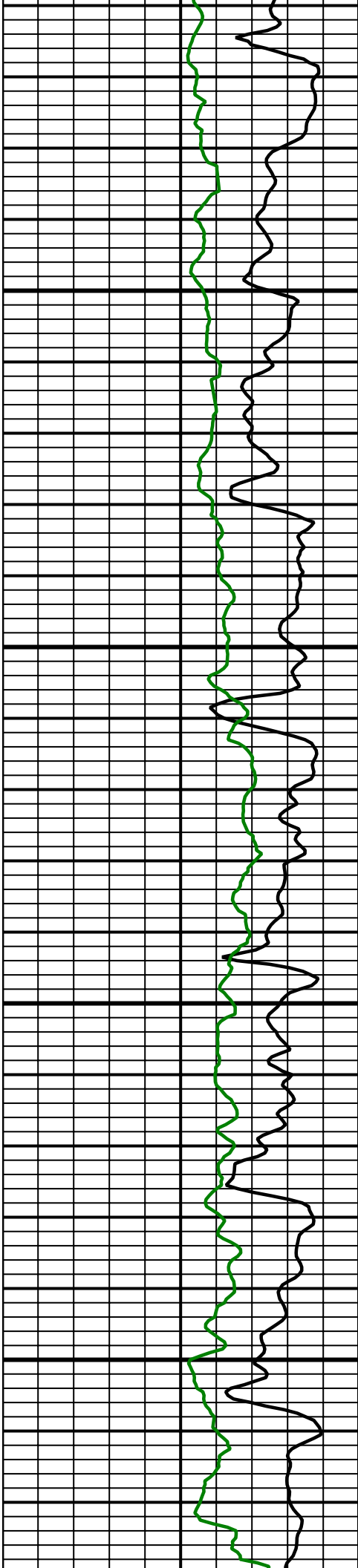
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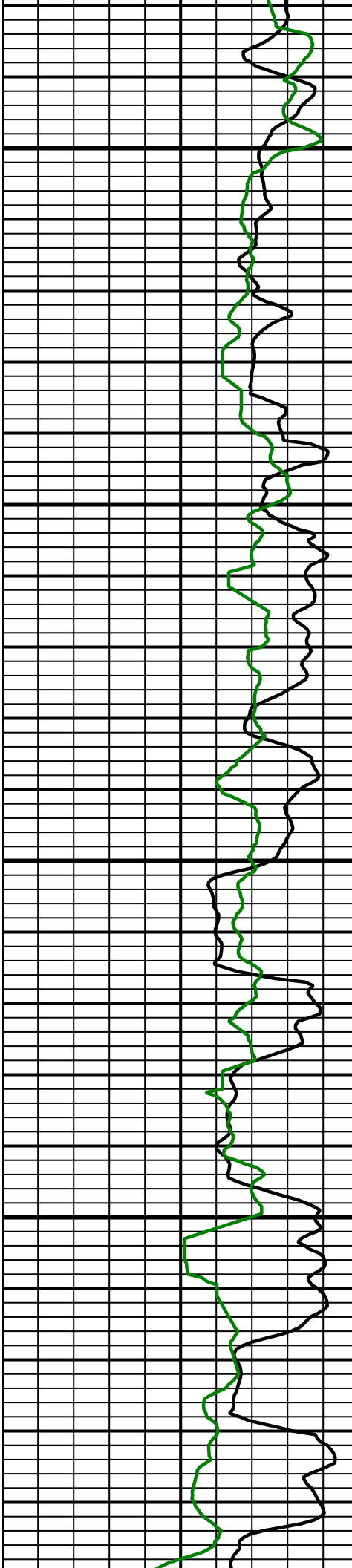
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6900
MD



7000
MD

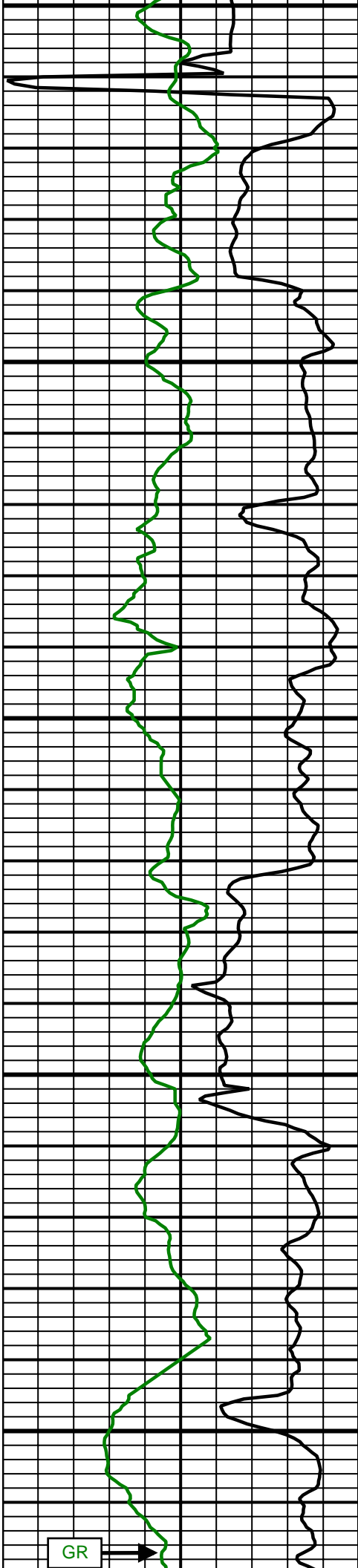
7100
MD



7200
MD

7300
MD

7400
MD

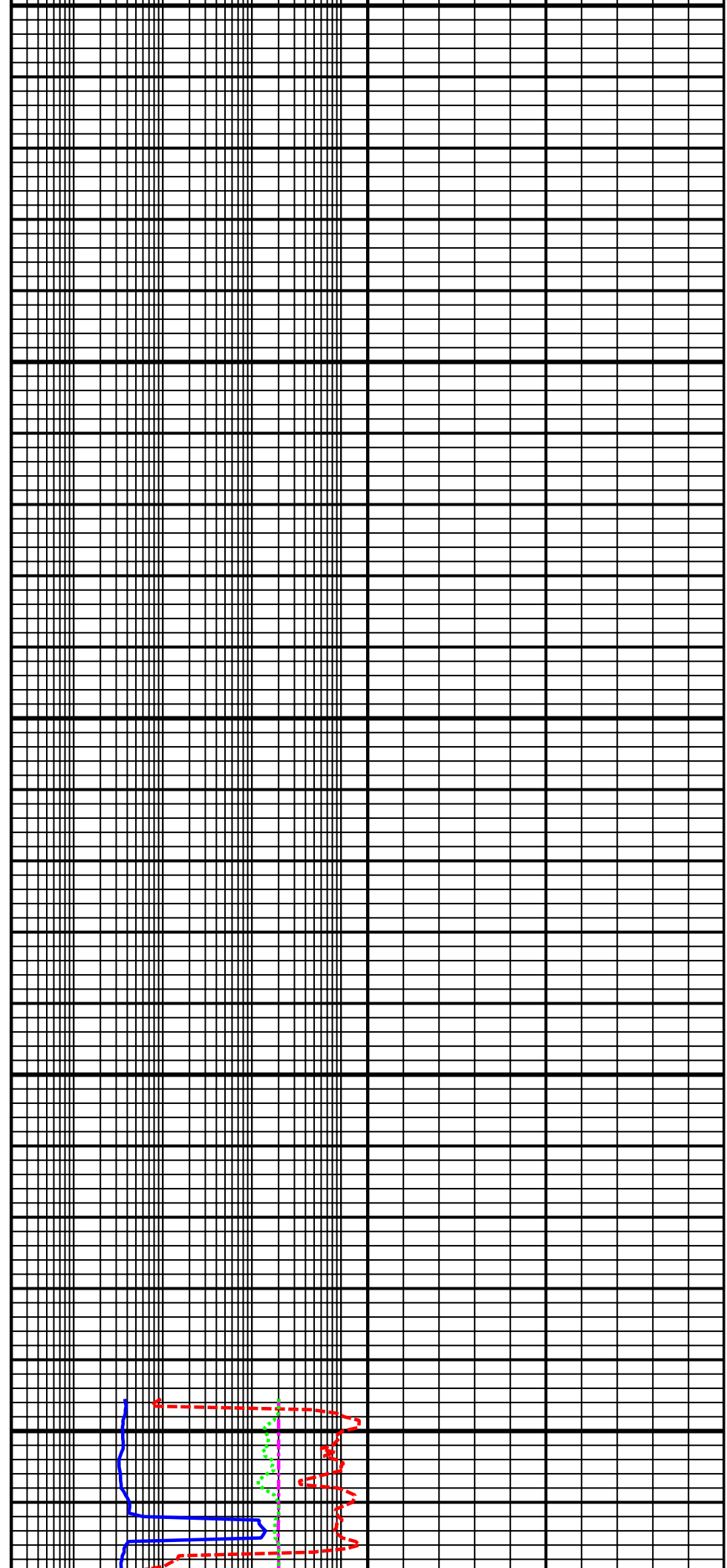


7400
MD

7500
MD

7600
MD

GR →



ROP

Comment
2-2

Comment
3-1

7700
MD

7800
MD

RPS2

RPD2

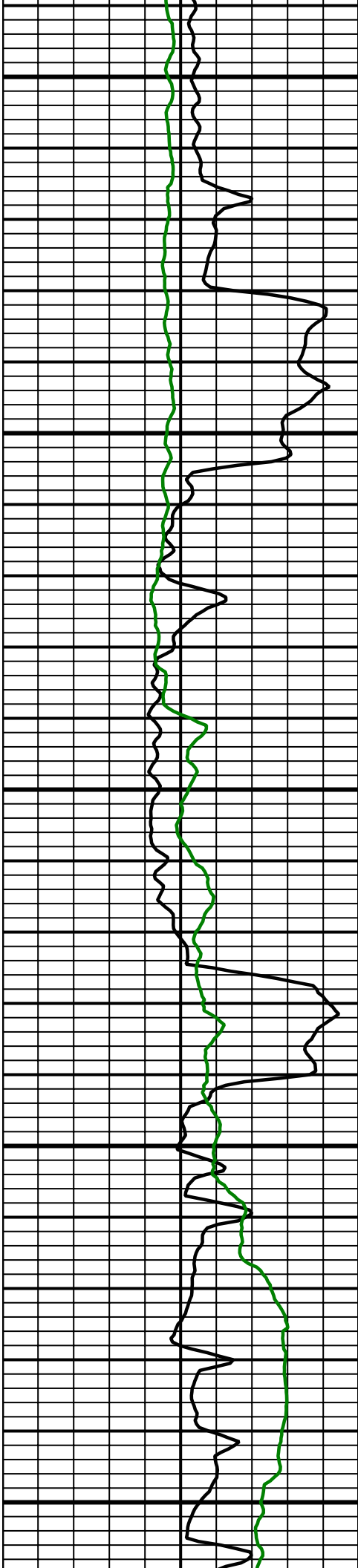
RAD4

RAD2

SGKT

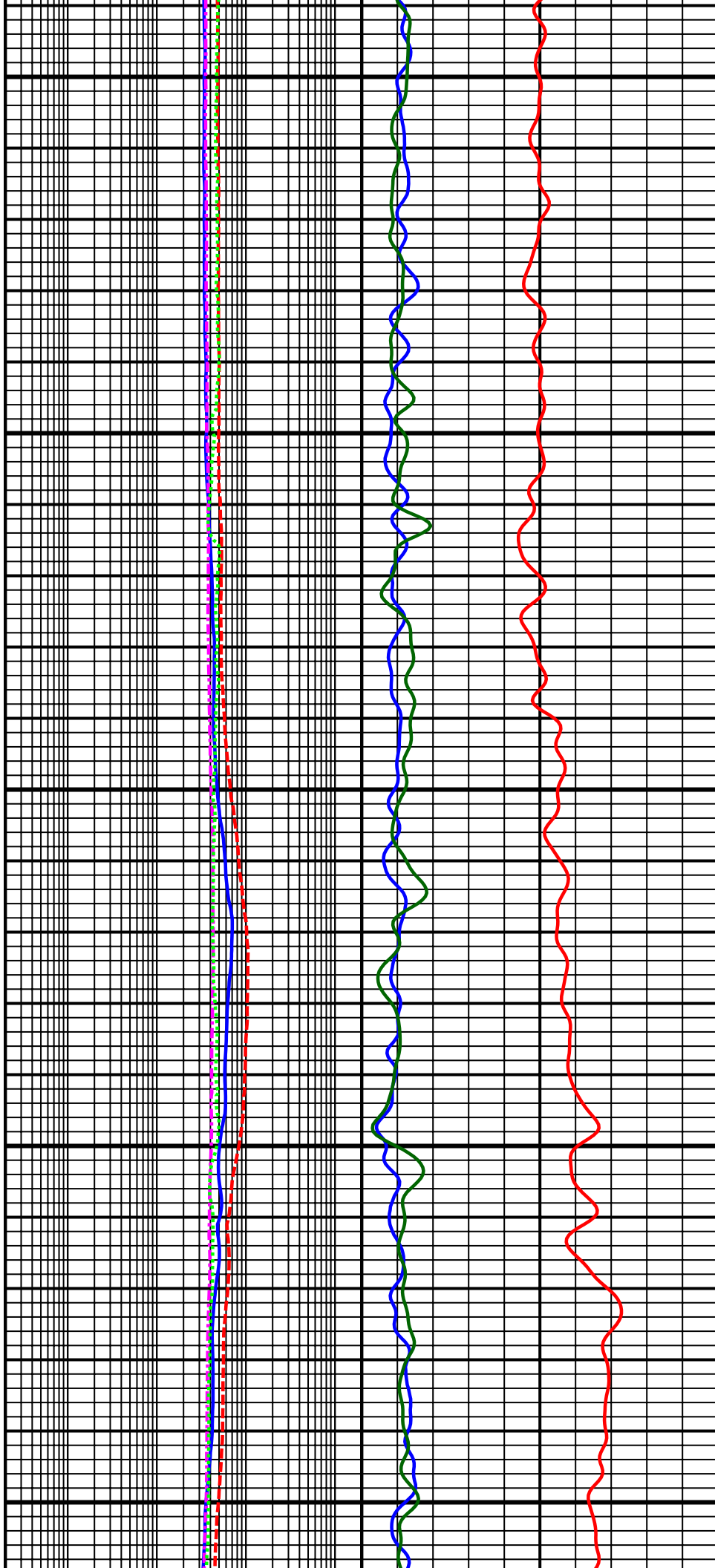
SGUT

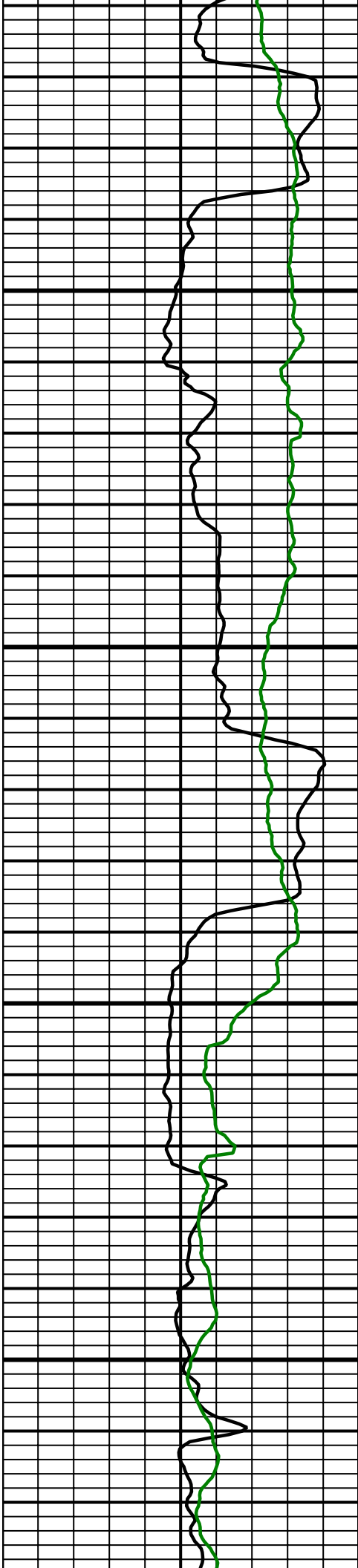
SGTT



7900
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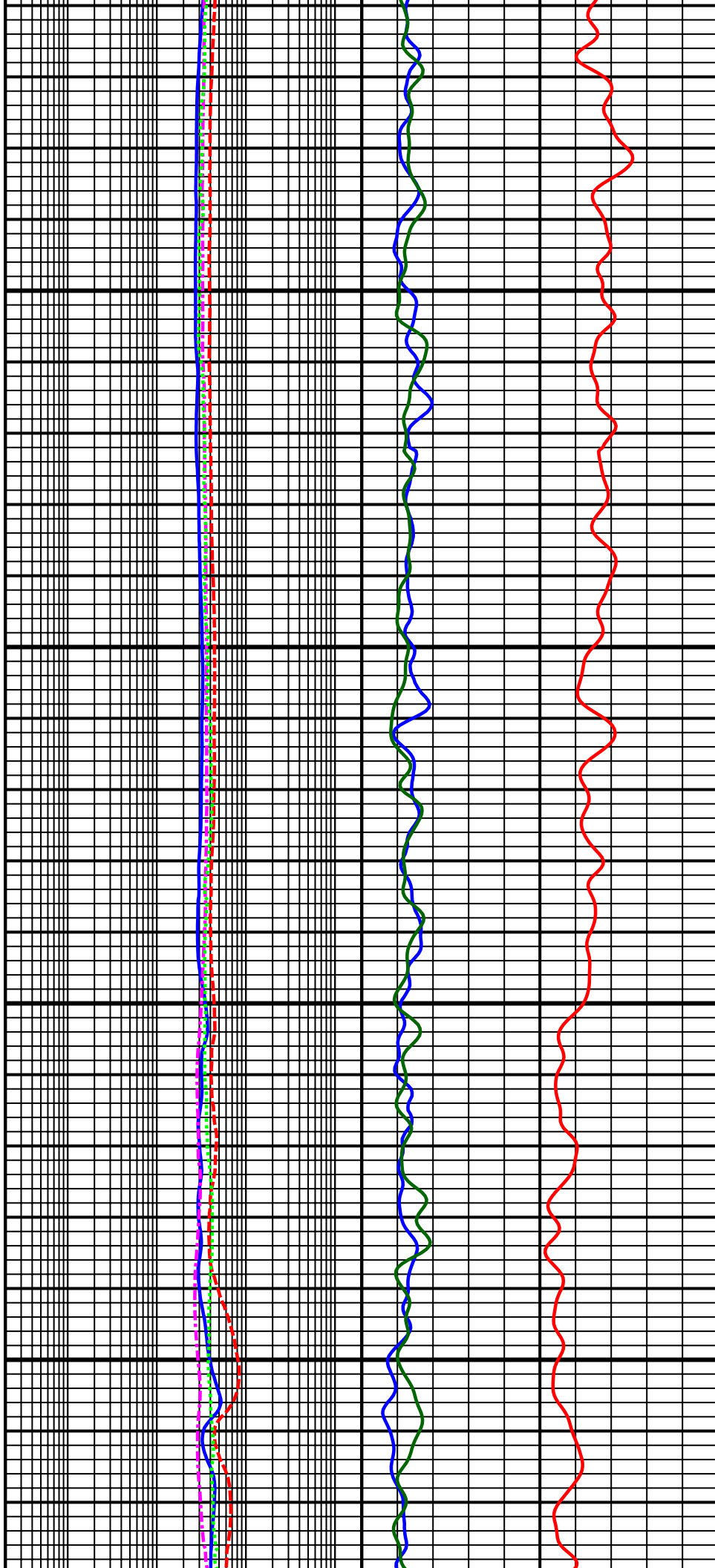
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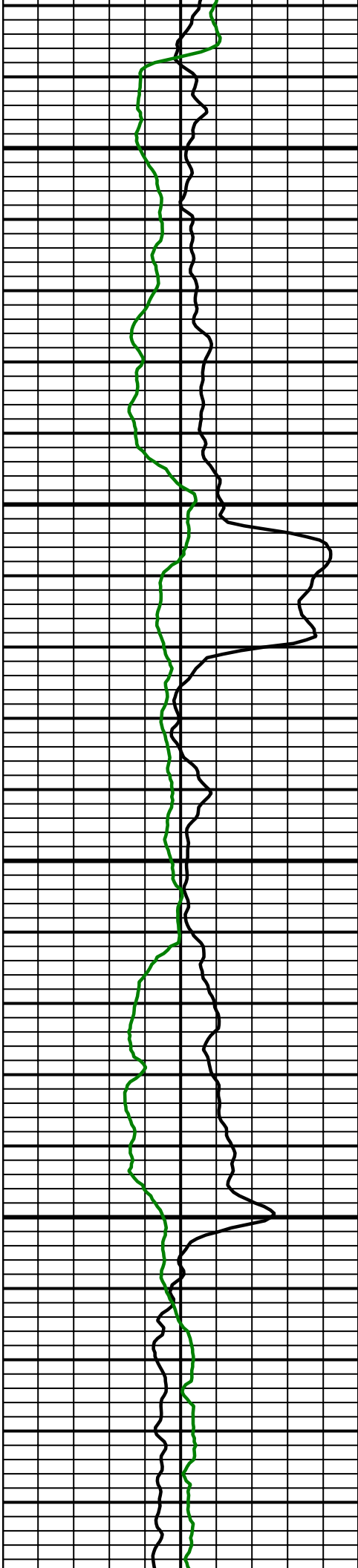




8100
MD

8200
MD

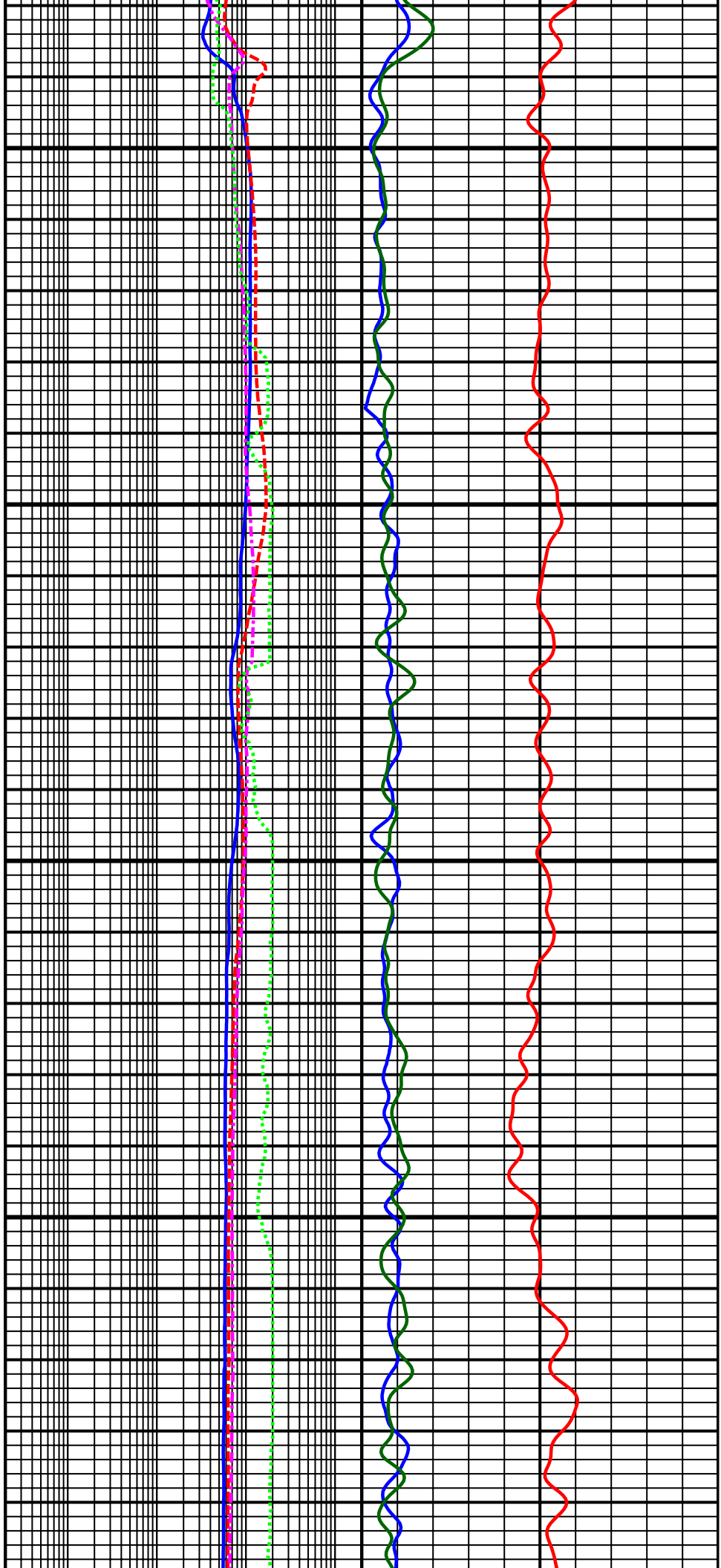




8300
MD

8400
MD

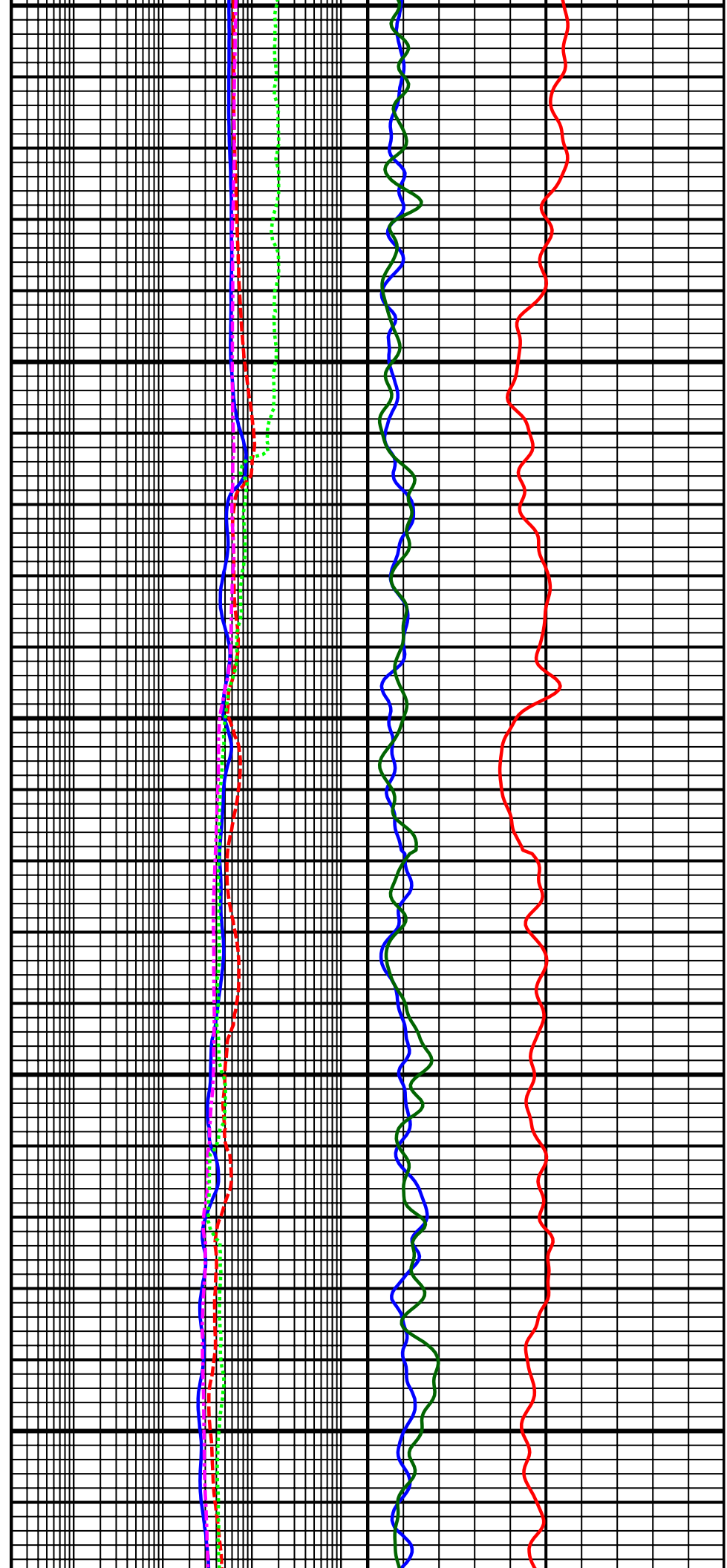
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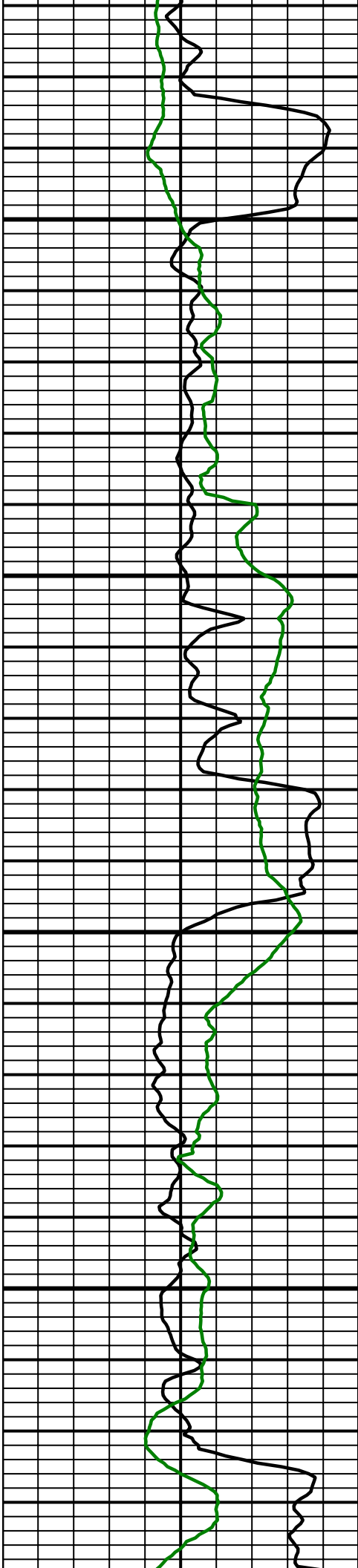


8500
MD

8600
MD

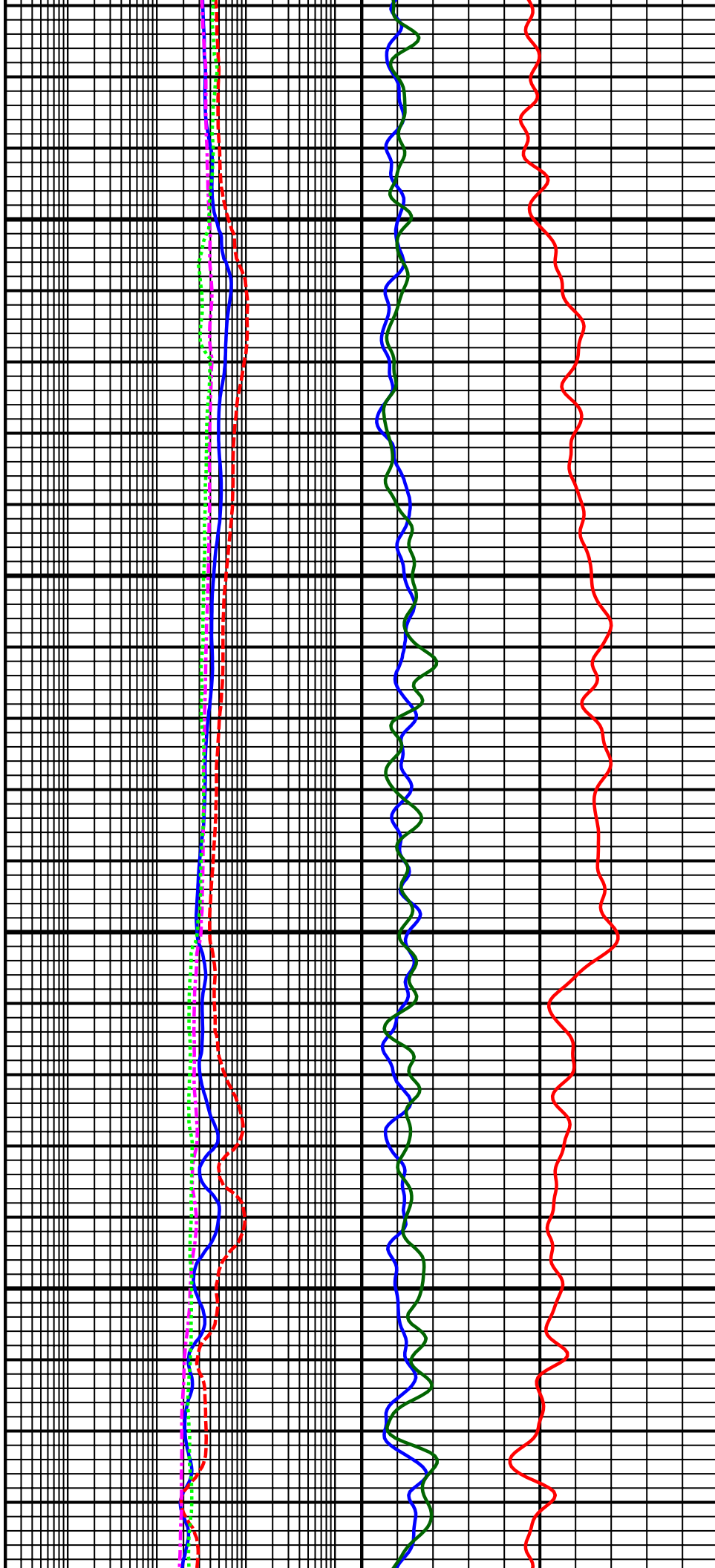
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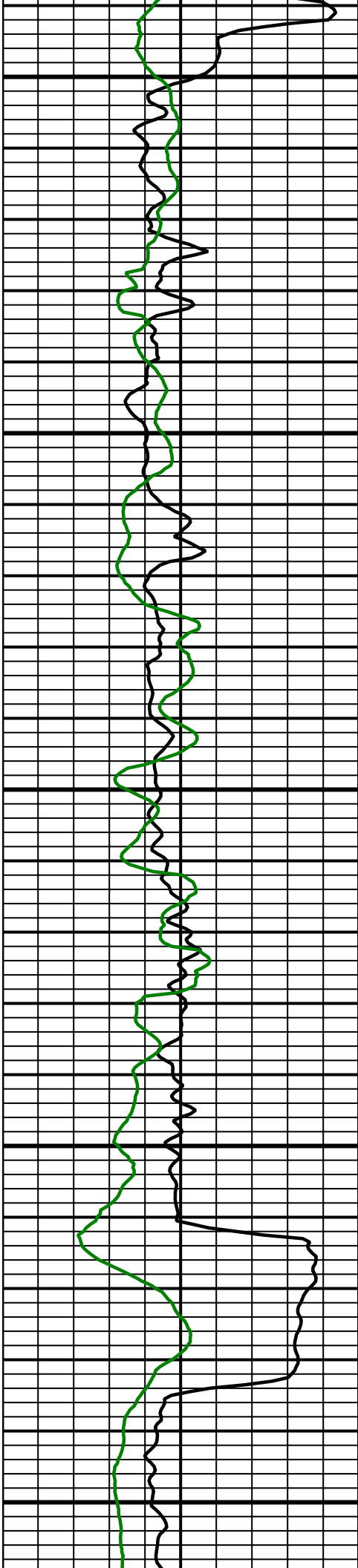




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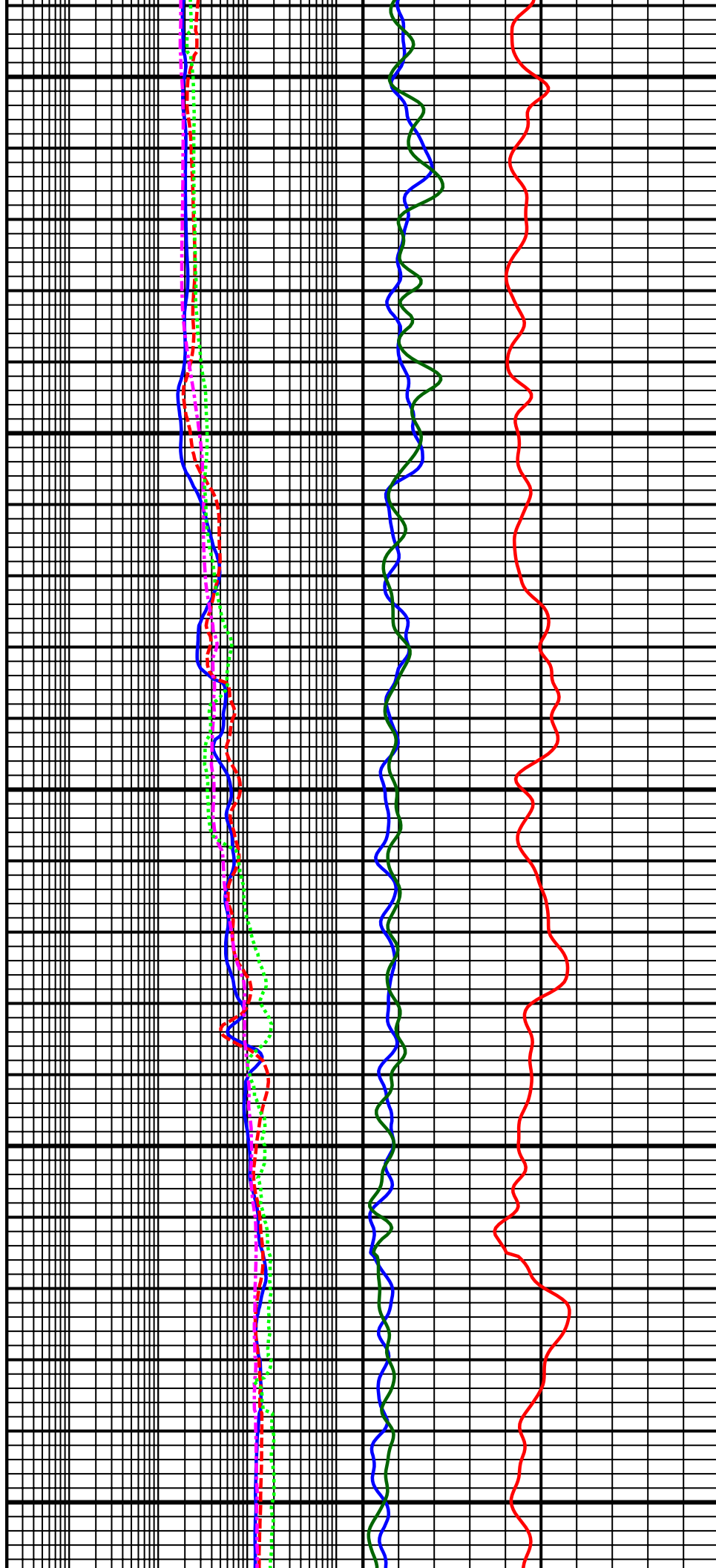
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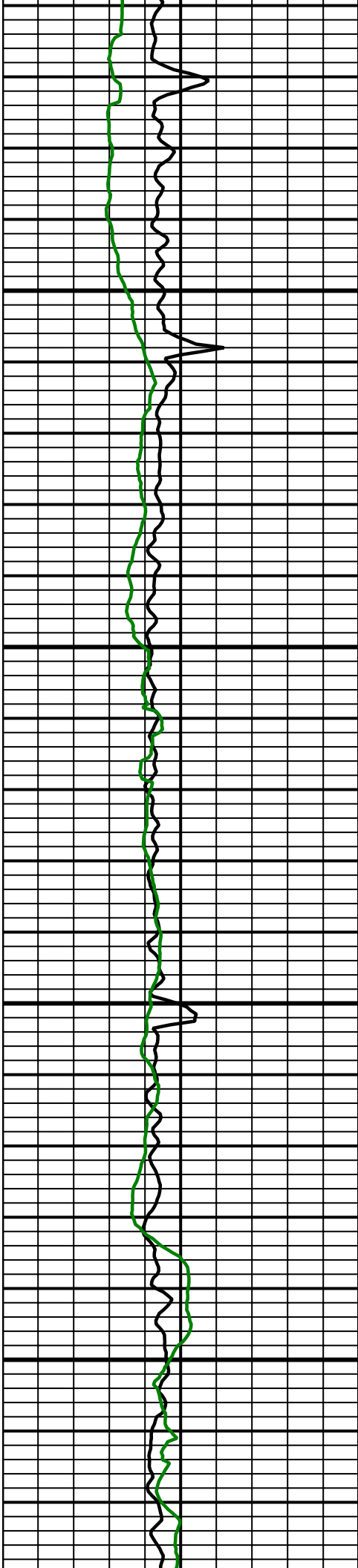




9000
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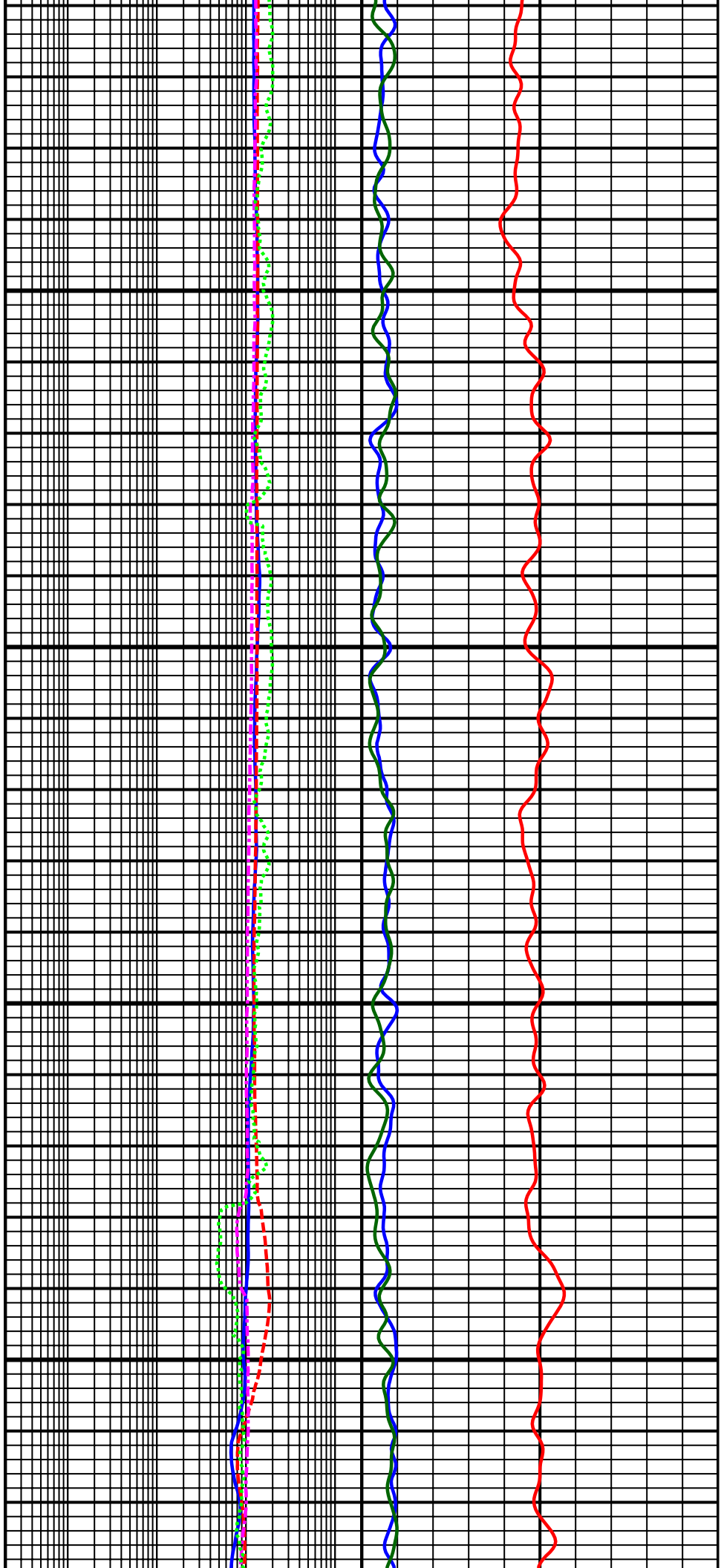
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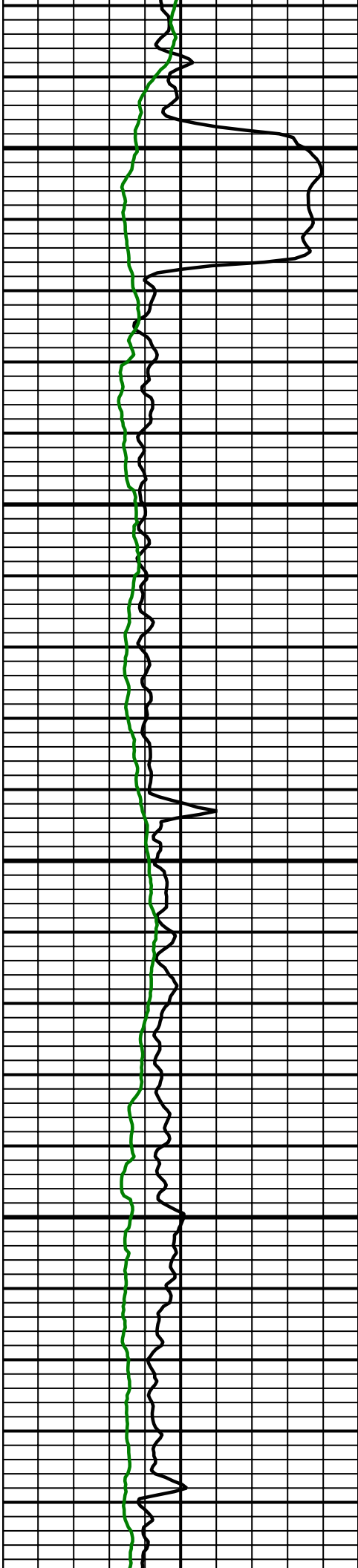




9200
MD

9300
MD

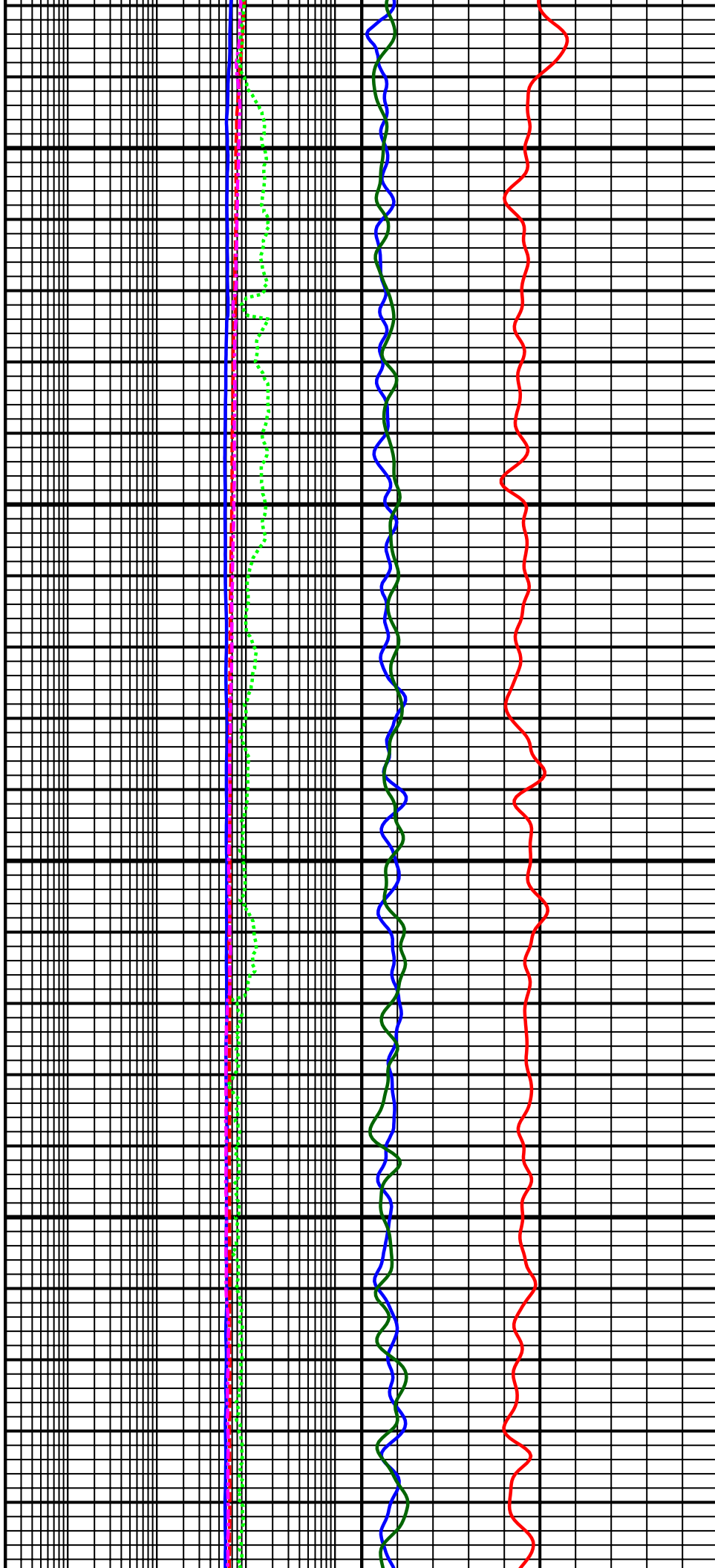


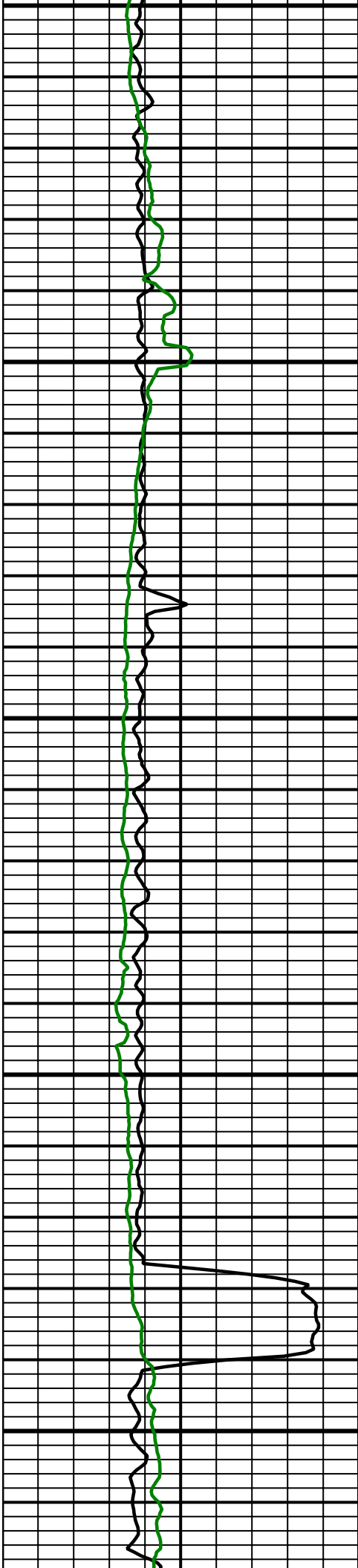


9400
MD

9500
MD

9600
MD

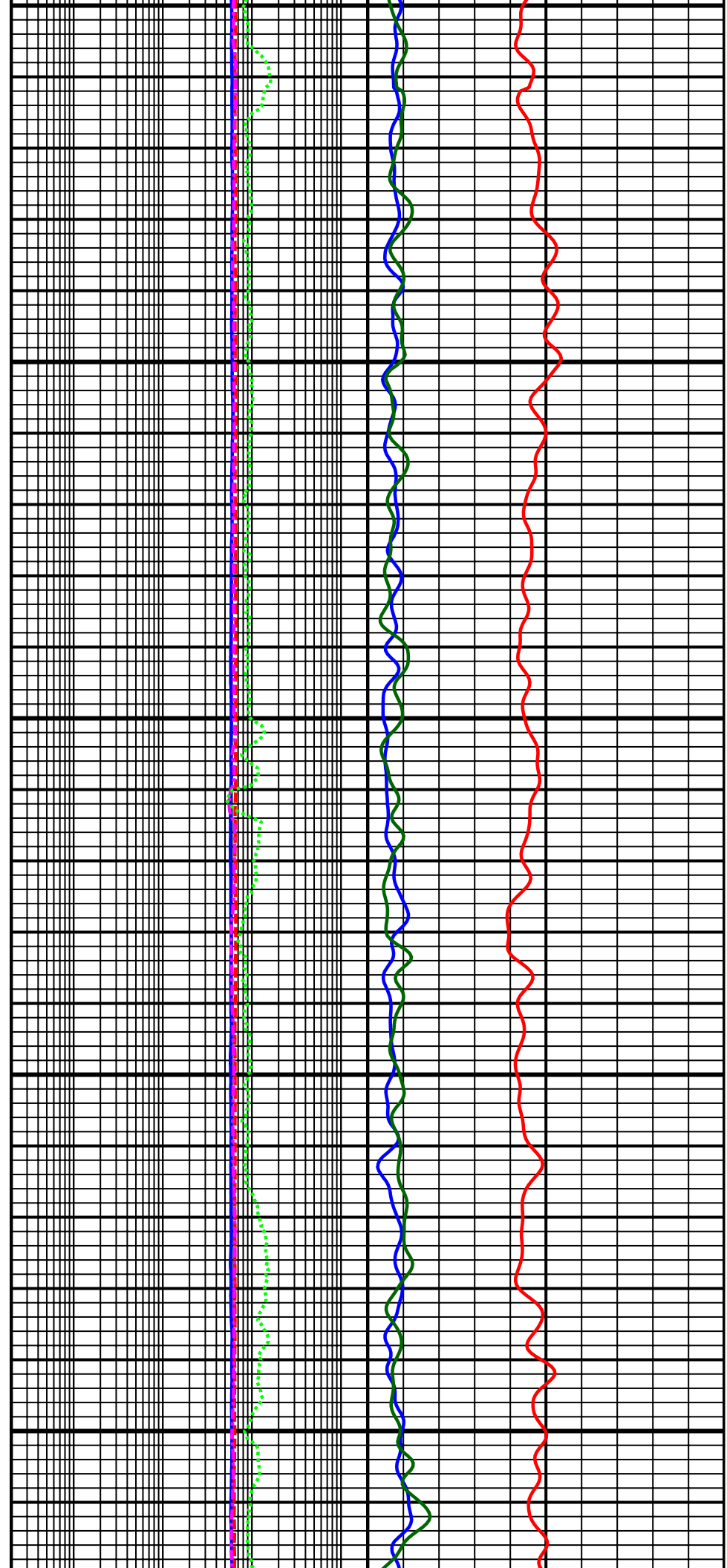


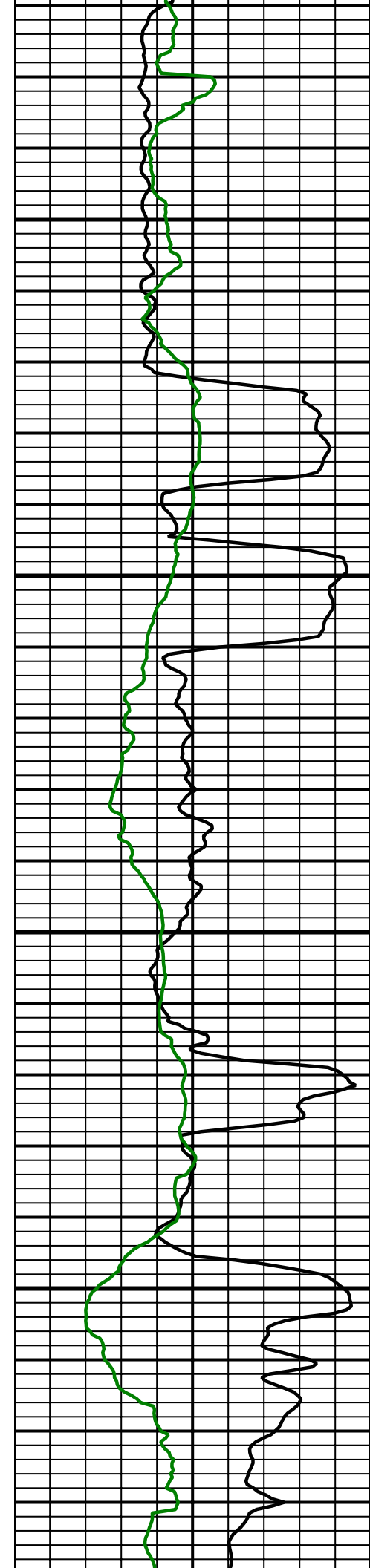


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MD

9700
MD

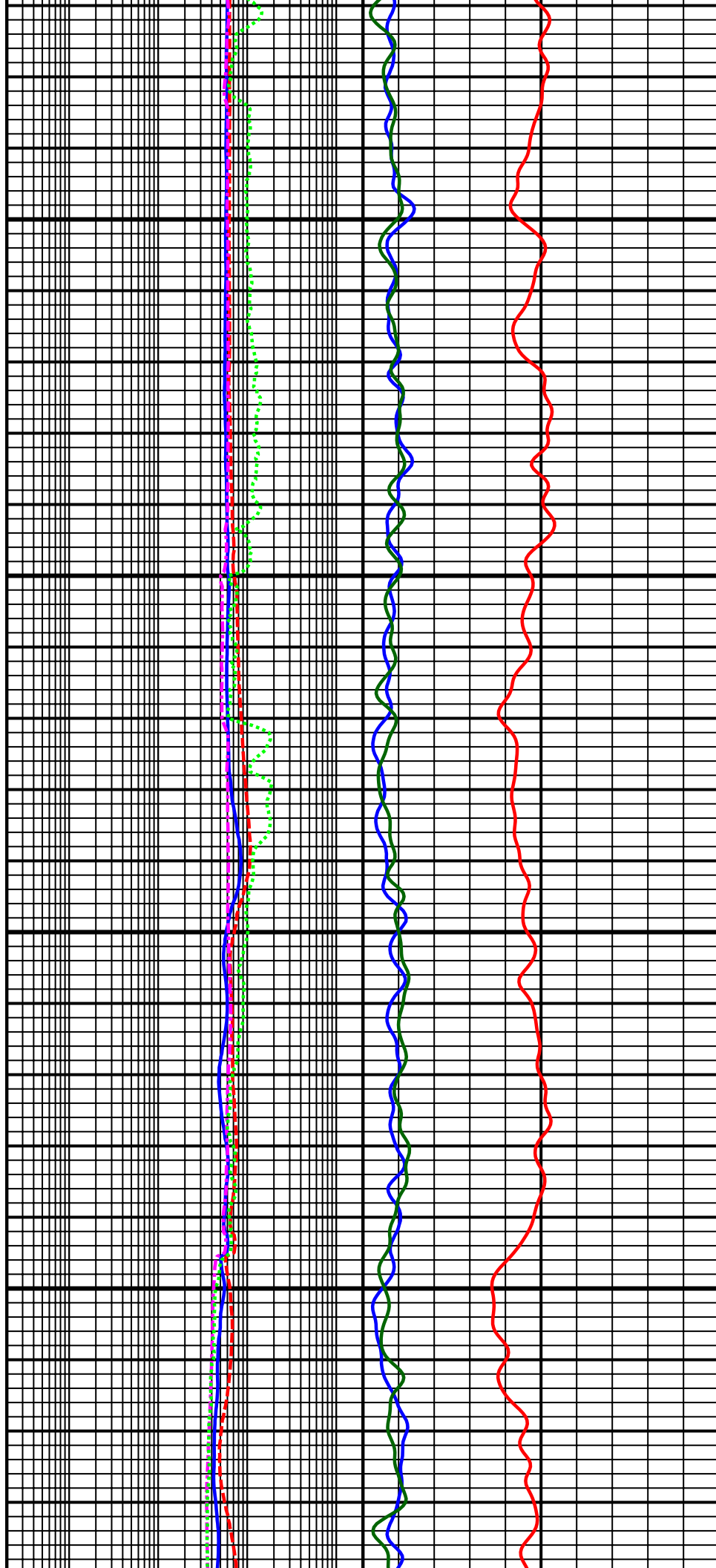
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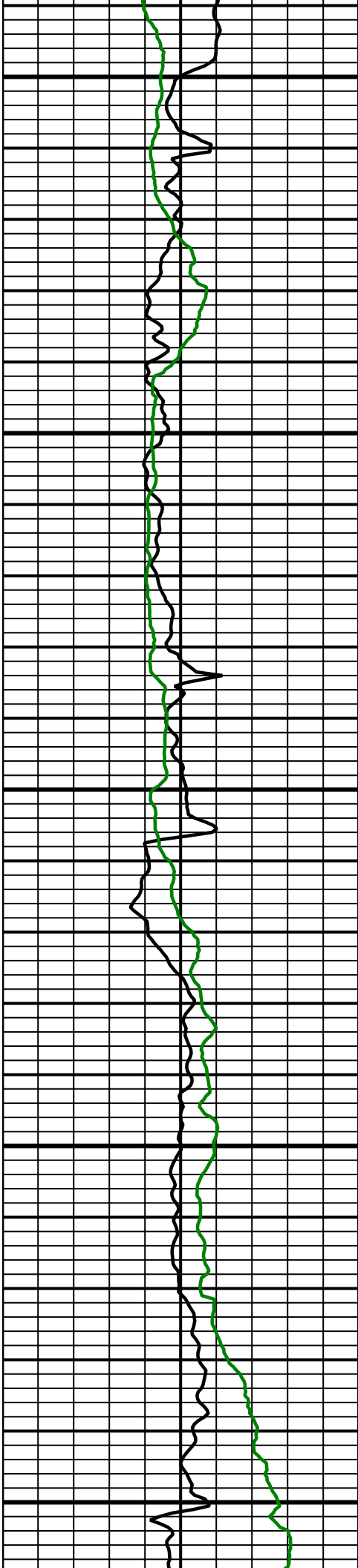




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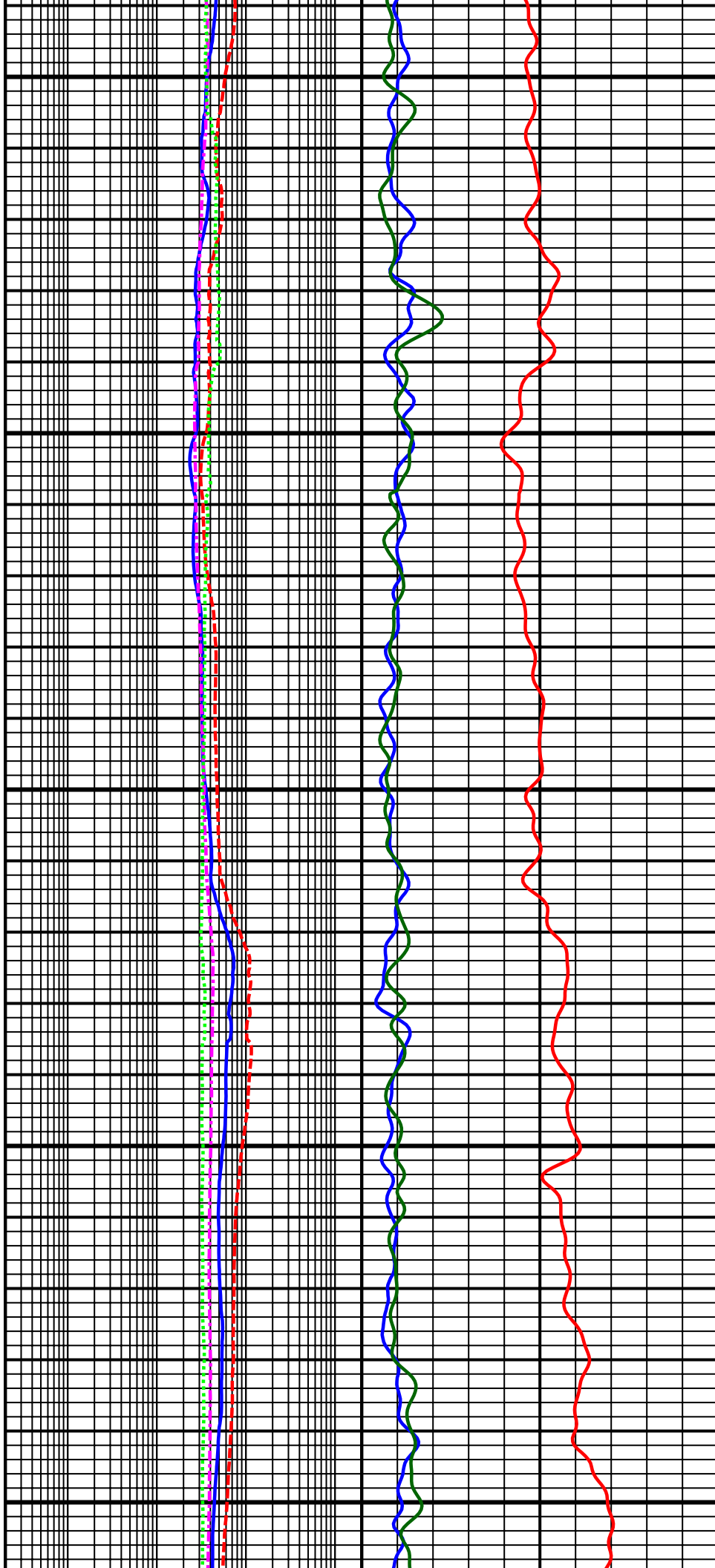
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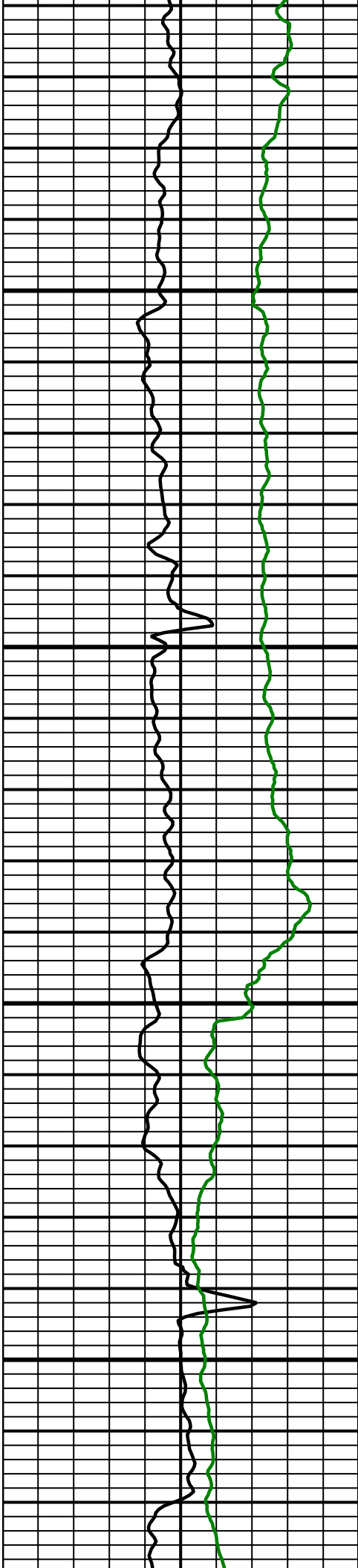




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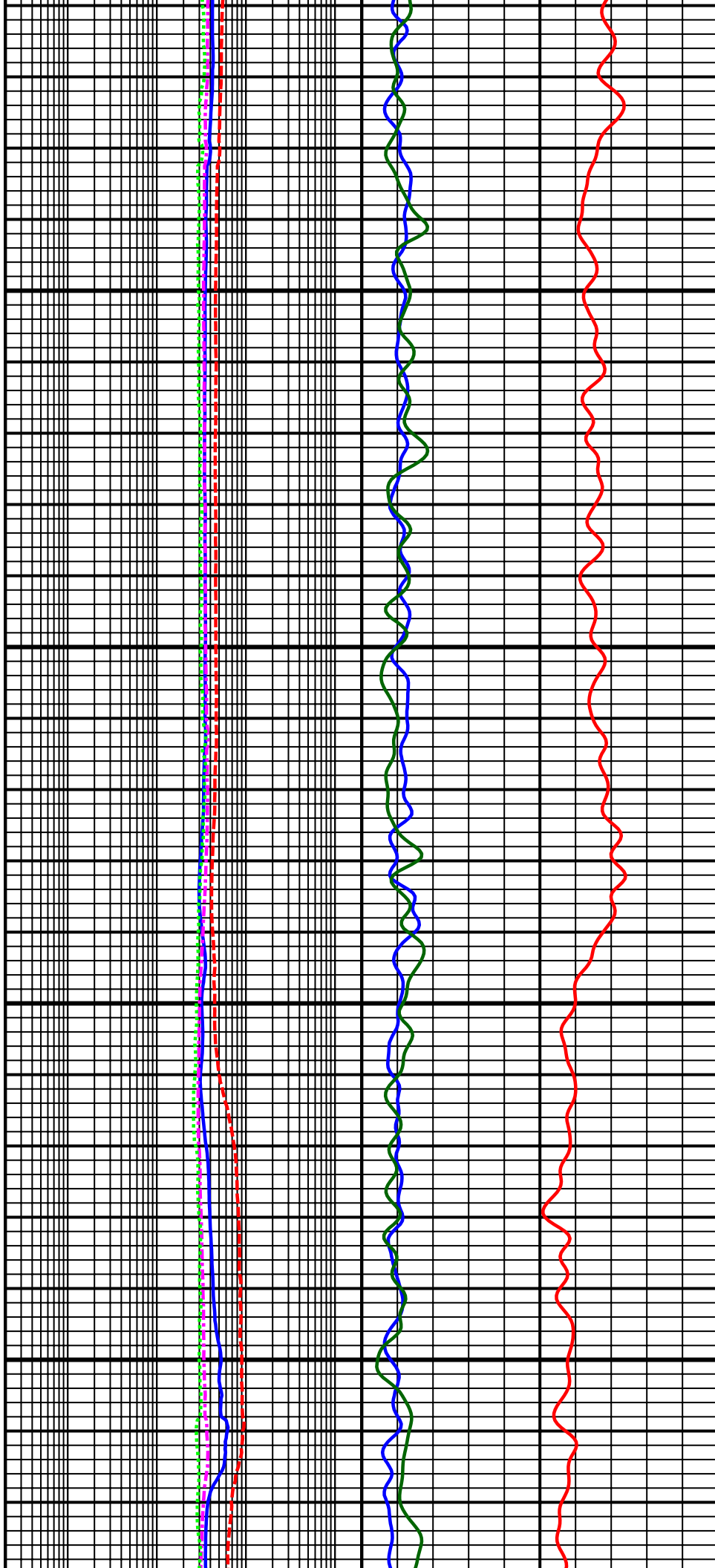
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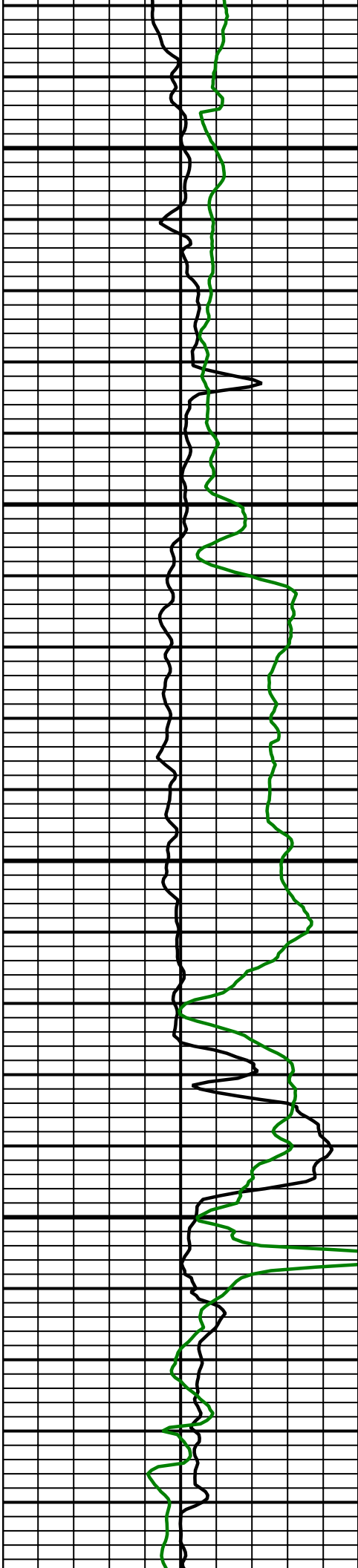




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MD

10400
MD

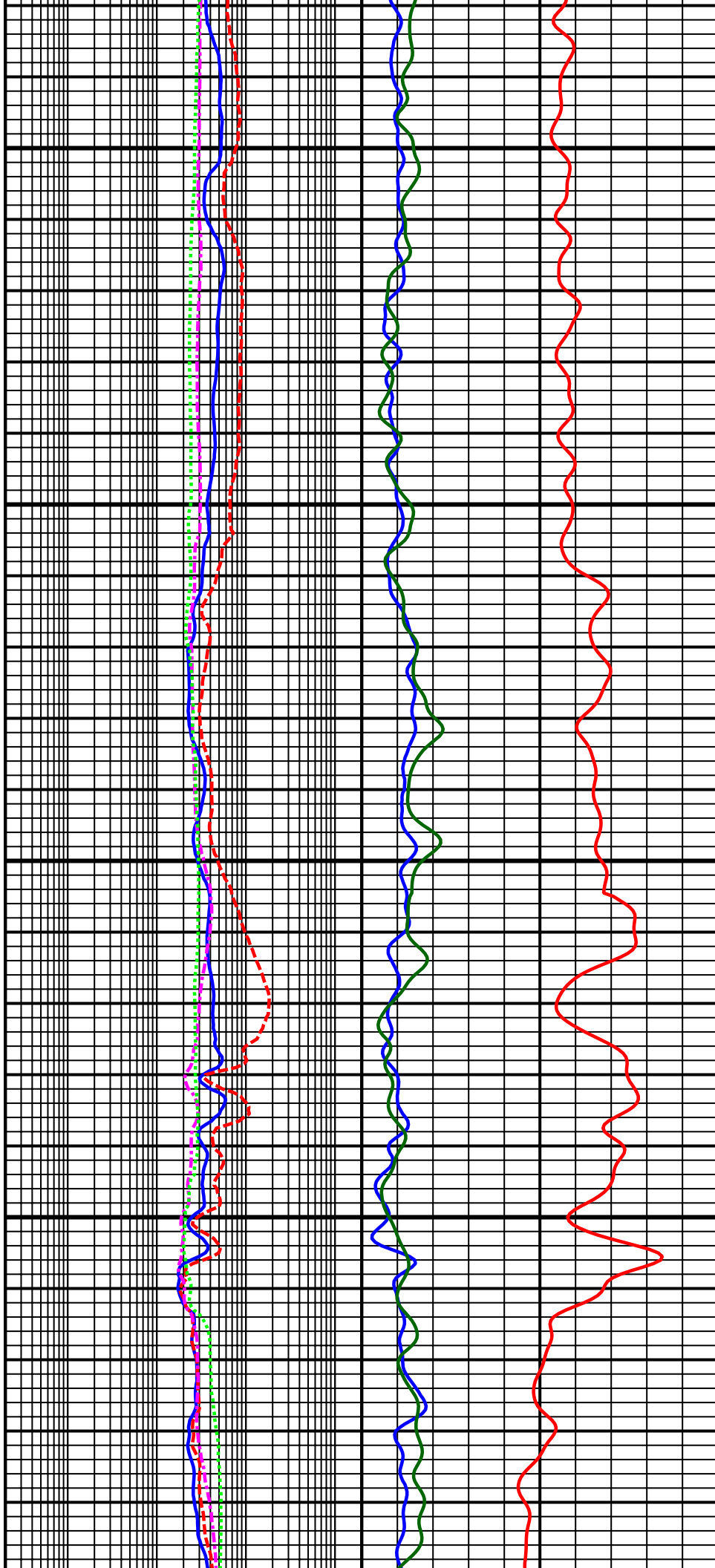


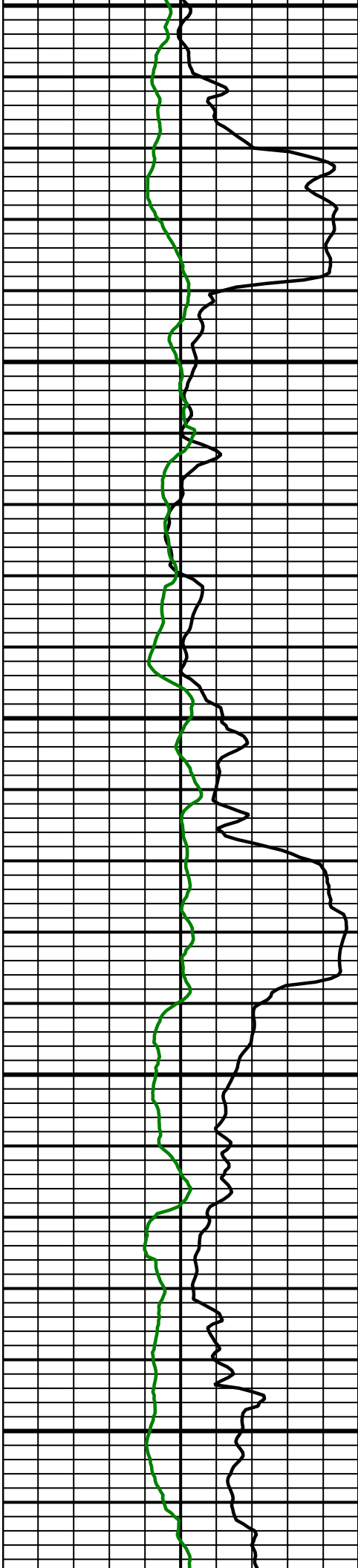


10500
MD

10600
MD

10700
MD

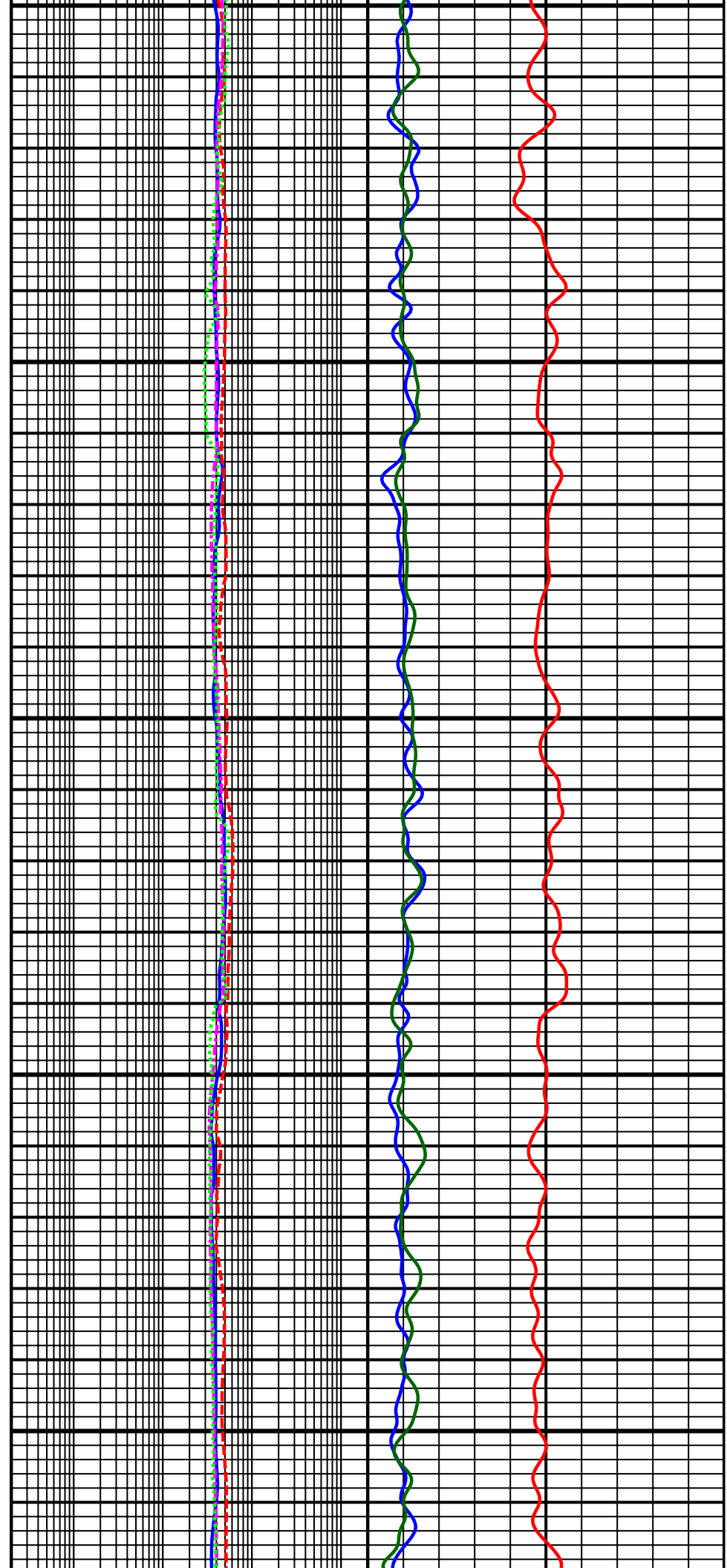


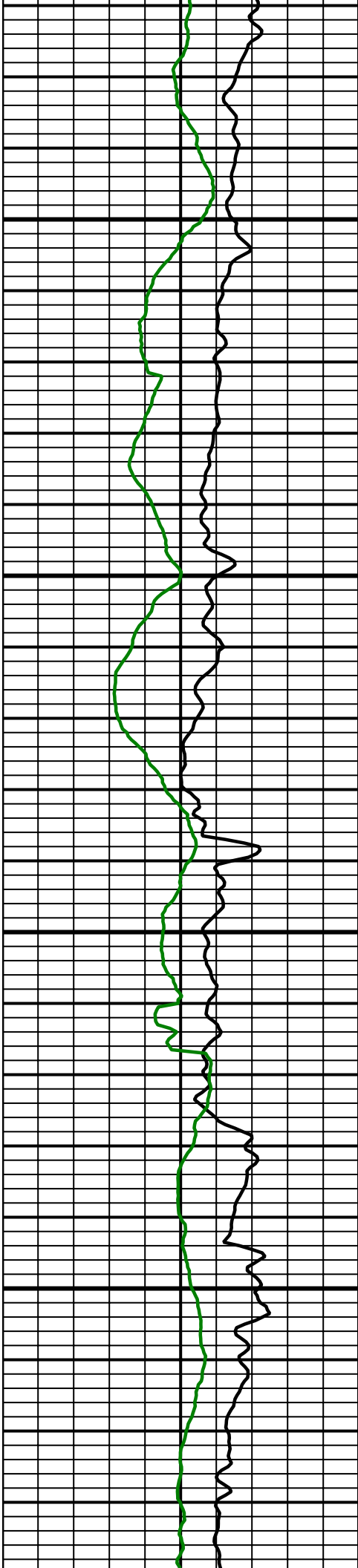


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10800
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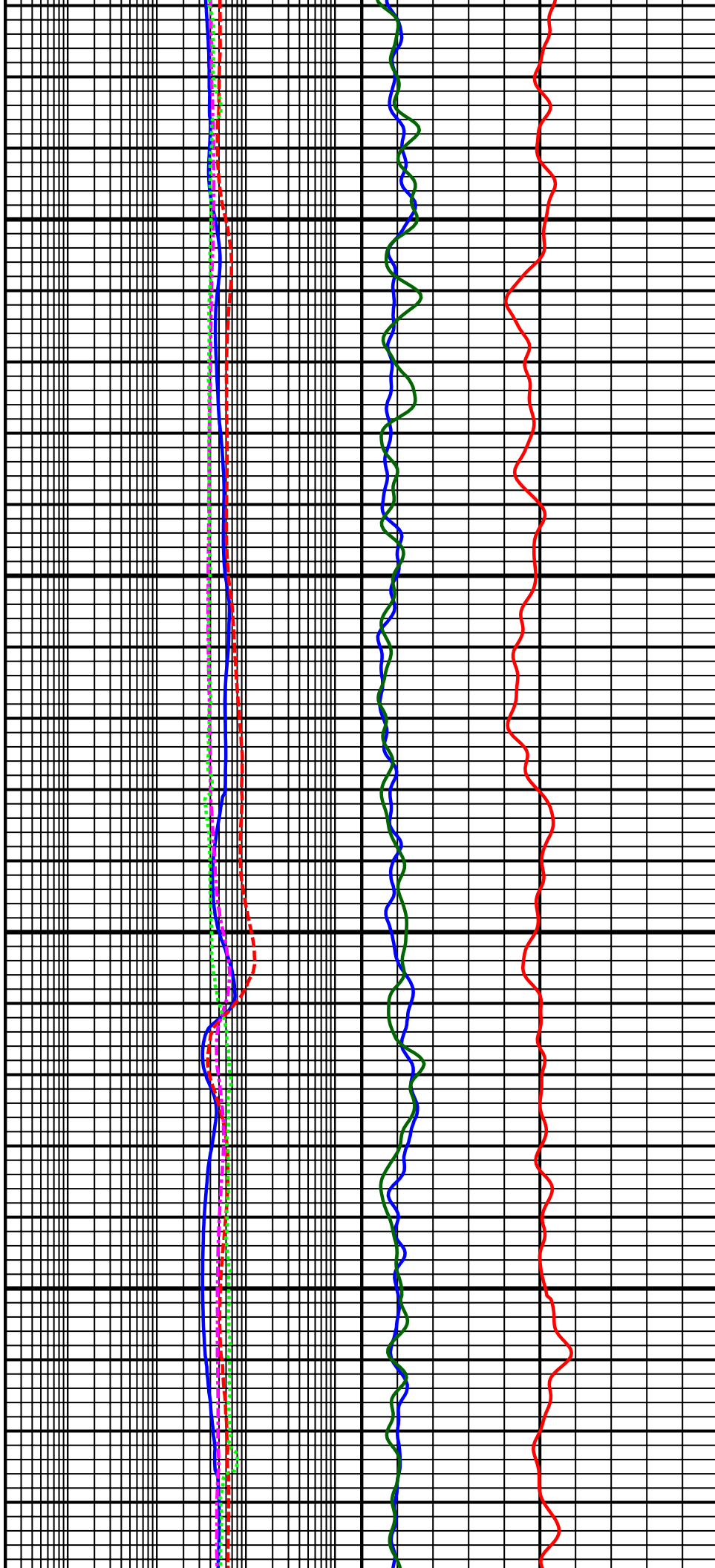
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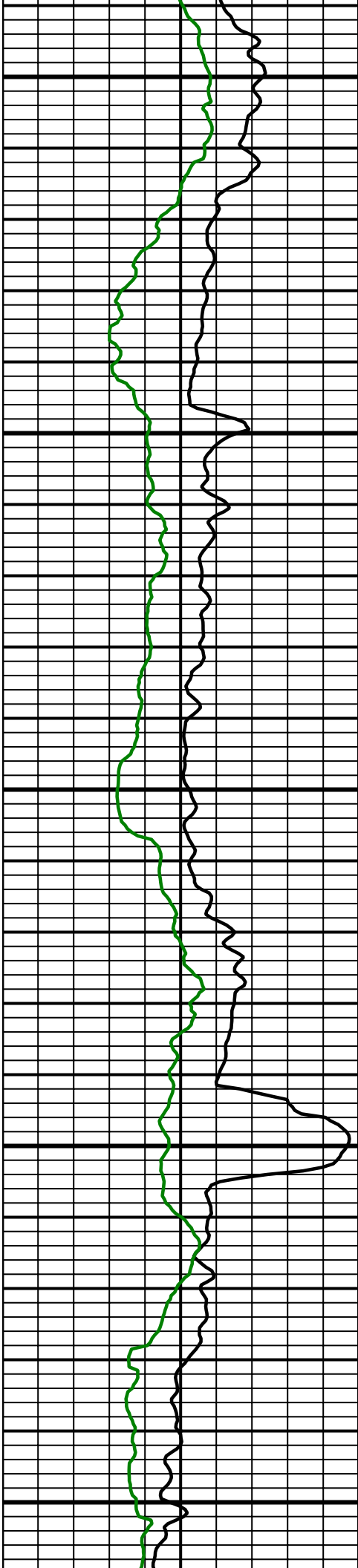




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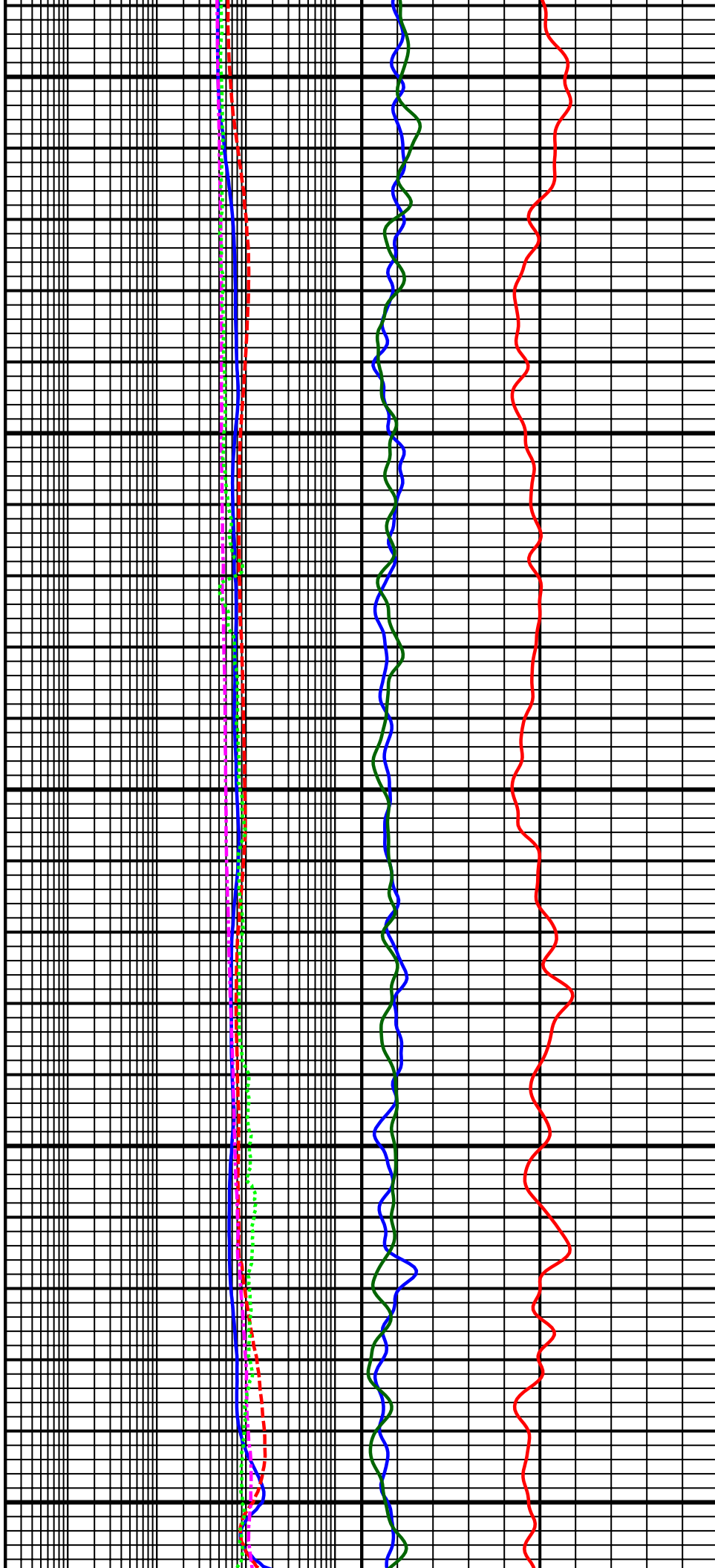
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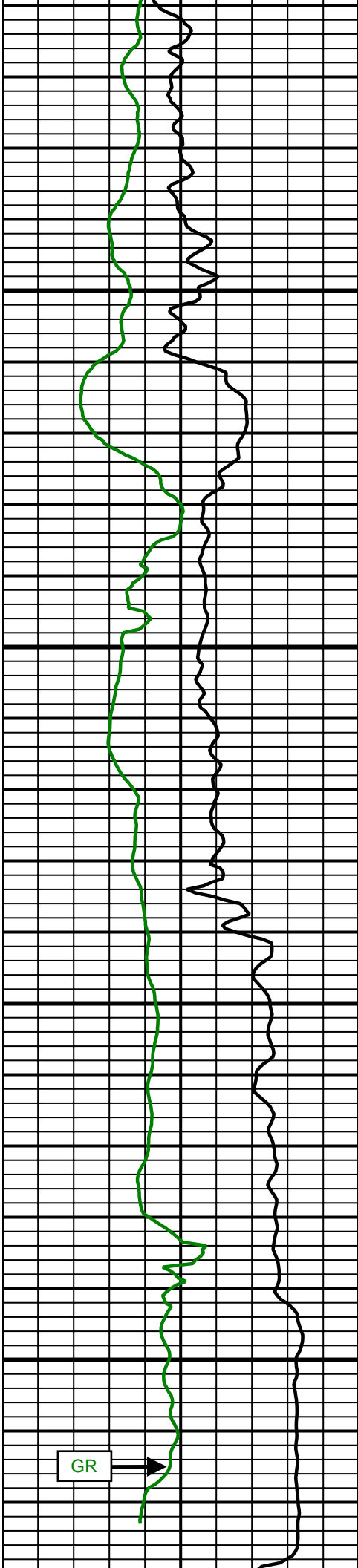




11200
MD

11300
MD





11400
MD

11500
MD

GR

RPS2

RPD2

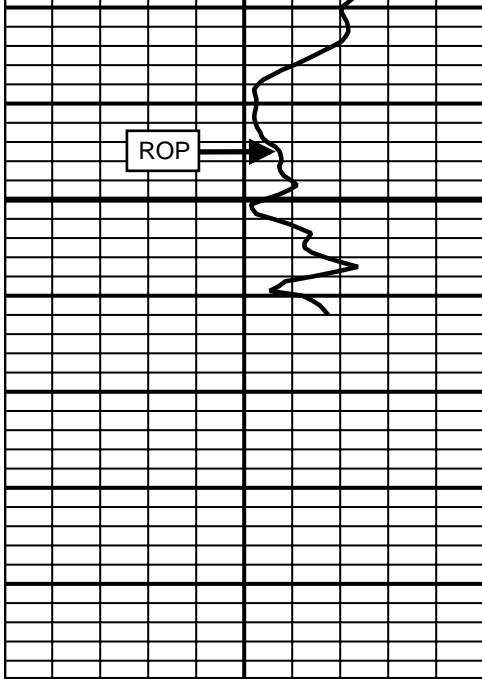
RAD4

RAD2

SGKT

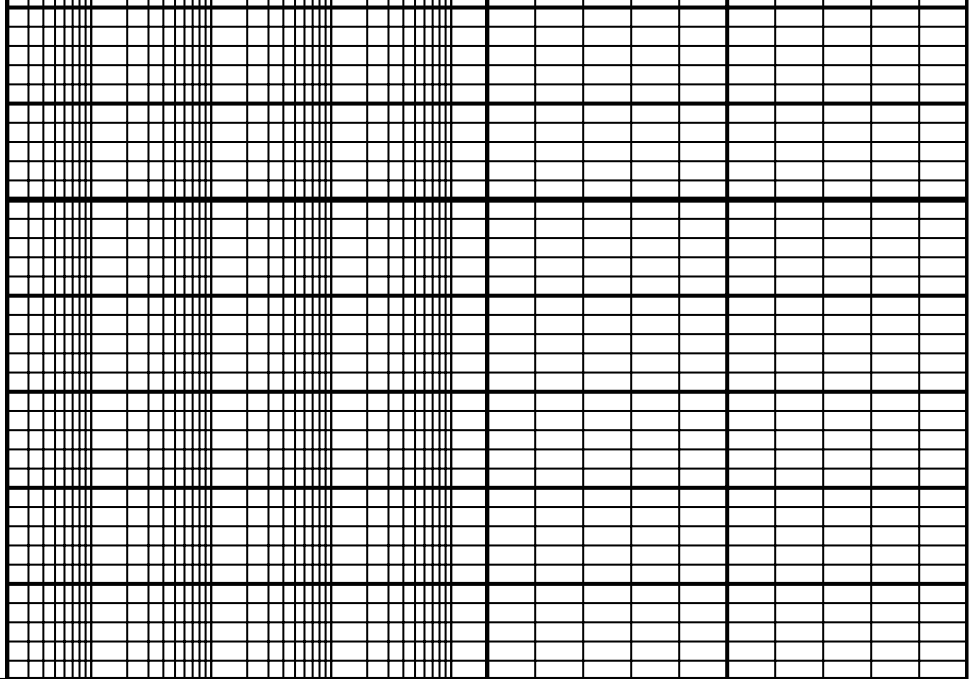
SGUT

SGTT



11600
MD

Comment
3-2



ROP		
500	(fph)	0
GR		
0	(AAPI)	200

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

SGKT		
0	(%)	10
SGUT		
-10	(ppm)	30
SGTT		
0	(ppm)	40

SURVEY						
Survey Calculation Method: Minimum Curvature						
Magnetic Reference	Target Direction	Total Magnetic Field	Magnetic Dip Angle	Magnetic Declination	Grid Convergence	Total Correction
True North	174.34 deg	52831 nT	67.02 deg	8.65 deg	0.00 deg	8.65 deg
Survey Tie-On	Depth	INC	AZ	TVD	NS	EW
	725.00 ft	0.30 deg	243.97 deg	724.99 ft	0.47 ft	-1.42 ft

Well Head							
Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	NS (ft)	EW (ft)	VSect (ft)	Dogleg (deg/100ft)
858.00	0.25	141.49	857.99	0.09	-1.55	-0.24	0.32
949.00	0.22	136.83	948.99	-0.19	-1.31	0.06	0.04
1040.00	0.29	167.18	1039.99	-0.54	-1.14	0.43	0.16
1131.00	0.14	154.26	1130.99	-0.87	-1.04	0.76	0.17
1223.00	0.29	180.85	1222.99	-1.20	-0.99	1.10	0.19
1316.00	0.49	199.17	1315.98	-1.81	-1.13	1.69	0.25
1407.00	0.55	210.55	1406.98	-2.56	-1.48	2.40	0.13
1502.00	0.66	223.70	1501.97	-3.35	-2.09	3.12	0.19
1596.00	0.79	236.62	1595.97	-4.09	-3.00	3.78	0.22
1691.00	0.56	274.17	1690.96	-4.42	-4.01	4.00	0.51
1786.00	0.58	272.01	1785.96	-4.37	-4.96	3.86	0.03
1881.00	0.78	259.21	1880.95	-4.47	-6.07	3.85	0.26
1976.00	0.84	265.45	1975.94	-4.65	-7.40	3.90	0.11
2072.00	0.84	298.98	2071.93	-4.37	-8.72	3.48	0.50
2167.00	0.95	293.94	2166.92	-3.71	-10.05	2.70	0.14
2262.00	1.07	273.92	2261.90	-3.33	-11.65	2.16	0.39
2357.00	0.56	299.84	2356.89	-3.04	-12.94	1.75	0.65
2452.00	0.82	287.29	2451.89	-2.60	-13.99	1.21	0.31
2547.00	0.56	107.06	2546.88	-2.54	-14.20	1.13	1.45
2642.00	2.67	90.96	2641.84	-2.71	-11.54	1.56	2.25
2737.00	3.97	77.53	2736.68	-2.04	-6.12	1.42	1.59
2831.00	4.92	63.03	2830.40	0.49	0.65	-0.43	1.56
2926.00	6.45	65.90	2924.93	4.52	9.16	-3.59	1.64
3021.00	7.73	65.64	3019.20	9.33	19.85	-7.33	1.35
3116.00	9.22	67.52	3113.16	14.88	32.70	-11.58	1.60
3211.00	9.56	61.03	3206.89	21.61	46.64	-16.91	1.17
3306.00	7.81	61.39	3300.80	28.52	59.20	-22.54	1.84
3401.00	8.83	60.71	3394.80	35.18	71.23	-27.98	1.08
3495.00	9.73	67.52	3487.57	41.75	84.86	-33.18	1.51
3590.00	7.73	66.02	3581.46	47.42	98.12	-37.51	2.12
3685.00	8.24	76.92	3675.55	51.55	110.59	-40.39	1.68
3780.00	8.29	70.24	3769.56	55.41	123.67	-42.94	1.01
3874.00	9.16	66.27	3862.48	60.71	136.89	-46.91	1.13
3969.00	10.25	66.60	3956.12	67.11	151.57	-51.83	1.15
4064.00	9.20	66.63	4049.75	73.48	166.30	-56.72	1.11
4159.00	8.89	68.12	4143.57	79.23	180.09	-61.08	0.41
4253.00	9.53	74.61	4236.36	84.00	194.33	-64.43	1.30
4348.00	7.58	70.86	4330.30	88.14	207.83	-67.22	2.13
4442.00	8.59	73.49	4423.36	92.17	220.42	-69.98	1.14
4537.00	9.54	73.66	4517.17	96.40	234.78	-72.78	1.00
4632.00	8.97	74.72	4610.94	100.57	249.48	-75.47	0.63
4727.00	8.47	73.83	4704.84	104.47	263.34	-77.99	0.55

4822.00	8.06	67.00	4798.85	109.02	276.19	-81.25	1.12
4918.00	7.32	69.13	4893.99	113.83	288.10	-84.86	0.83
5012.00	7.29	63.09	4987.23	118.66	299.01	-88.59	0.82
5107.00	8.51	65.88	5081.33	124.26	310.80	-93.00	1.35
5201.00	8.64	60.52	5174.28	130.58	323.30	-98.06	0.86
5296.00	7.86	55.16	5268.29	137.80	334.84	-104.10	1.15
5391.00	8.68	59.85	5362.31	145.11	346.37	-110.24	1.12
5486.00	9.49	59.90	5456.11	152.64	359.35	-116.46	0.85
5580.00	7.58	58.82	5549.07	159.74	371.36	-122.33	2.04
5675.00	7.99	60.75	5643.19	166.21	382.48	-127.67	0.51
5771.00	6.65	55.57	5738.41	172.61	392.89	-133.02	1.55
5865.00	5.27	50.78	5831.90	178.42	400.72	-138.03	1.56
5960.00	4.40	55.83	5926.56	183.22	407.11	-142.18	1.02
6054.00	3.61	59.37	6020.33	186.76	412.64	-145.15	0.88
6149.00	3.12	60.45	6115.17	189.55	417.47	-147.46	0.52
6244.00	1.98	73.73	6210.07	191.29	421.29	-148.81	1.34
6338.00	0.75	112.31	6304.05	191.51	423.42	-148.82	1.56
6433.00	0.60	111.02	6399.04	191.10	424.46	-148.30	0.16
6528.00	0.77	100.21	6494.03	190.81	425.55	-147.90	0.22
6542.00	0.82	105.66	6508.03	190.76	425.74	-147.84	0.65
6623.00	4.43	157.75	6588.94	187.71	427.48	-144.63	4.91
6654.00	8.79	162.63	6619.72	184.34	428.65	-141.16	14.17
6686.00	12.91	166.81	6651.15	178.52	430.19	-135.22	13.10
6718.00	15.60	169.78	6682.16	170.81	431.77	-127.39	8.71
6749.00	15.87	169.76	6712.00	162.53	433.26	-119.01	0.87
6780.00	16.94	171.44	6741.73	153.89	434.69	-110.27	3.78
6812.00	20.02	173.93	6772.08	143.84	435.96	-100.14	9.93
6845.00	23.22	175.98	6802.76	131.73	437.02	-87.98	9.96
6876.00	25.68	178.24	6830.97	118.91	437.65	-75.17	8.49
6908.00	27.73	179.72	6859.56	104.54	437.90	-60.84	6.73
6940.00	30.63	179.31	6887.50	88.94	438.04	-45.30	9.08
6971.00	34.01	180.28	6913.69	72.37	438.09	-28.81	11.03
7003.00	36.83	181.87	6939.77	53.83	437.73	-10.39	9.27
7035.00	39.24	182.05	6964.97	34.12	437.06	9.15	7.54
7066.00	41.46	183.44	6988.59	14.08	436.09	29.00	7.73
7098.00	43.24	184.59	7012.24	-7.42	434.58	50.25	6.07
7130.00	45.83	184.26	7035.05	-29.80	432.85	72.34	8.13
7161.00	49.45	183.66	7055.93	-52.65	431.27	94.92	11.76
7192.00	53.36	182.86	7075.27	-76.83	429.90	118.86	12.77
7224.00	57.12	181.36	7093.51	-103.10	428.94	144.90	12.36
7256.00	60.26	182.03	7110.14	-130.42	428.12	172.01	9.97
7287.00	63.07	181.69	7124.85	-157.69	427.24	199.06	9.12
7319.00	64.97	181.07	7138.87	-186.45	426.55	227.61	6.19
7350.00	66.33	180.53	7151.65	-214.69	426.15	255.67	4.67
7382.00	68.52	180.00	7163.93	-244.23	426.02	285.06	7.01
7414.00	70.10	179.50	7175.24	-274.17	426.15	314.86	5.15
7445.00	72.24	179.30	7185.24	-303.50	426.46	344.08	6.93
7477.00	76.02	179.21	7193.99	-334.28	426.86	374.75	11.82
7508.00	79.67	178.76	7200.52	-364.57	427.40	404.95	11.86
7540.00	80.31	178.01	7206.08	-396.07	428.28	436.38	3.05
7572.00	83.42	178.03	7210.61	-427.73	429.38	467.99	9.72
7604.00	87.20	177.69	7213.22	-459.59	430.57	499.82	11.86
7610.00	87.62	177.82	7213.49	-465.58	430.80	505.80	7.33
7729.00	88.77	178.07	7217.24	-584.44	435.07	624.50	0.99
7824.00	89.94	179.35	7218.31	-679.41	437.21	719.22	1.83
7919.00	91.15	180.89	7217.41	-774.40	437.01	813.72	2.06
8014.00	91.67	182.49	7215.07	-869.33	434.21	907.91	1.77
8109.00	90.99	182.98	7212.87	-964.19	429.68	1001.87	0.88
8204.00	91.11	184.37	7211.12	-1058.98	423.59	1095.59	1.47
8298.00	90.93	183.63	7209.45	-1152.73	417.03	1188.24	0.81
8393.00	90.12	185.39	7208.58	-1247.43	409.56	1281.74	2.04

8487.00	90.19	184.82	7208.33	-1341.06	401.20	1374.09	0.61
8582.00	89.81	184.68	7208.33	-1435.73	393.33	1467.52	0.43
8677.00	89.32	183.98	7209.05	-1530.46	386.16	1561.08	0.90
8772.00	89.94	183.24	7209.66	-1625.26	380.18	1654.84	1.02
8867.00	90.31	181.88	7209.45	-1720.17	375.94	1748.86	1.48
8961.00	90.19	179.60	7209.04	-1814.15	374.72	1842.26	2.43
9057.00	89.51	179.51	7209.30	-1910.15	375.47	1937.87	0.71
9151.00	89.88	177.69	7209.80	-2004.11	377.76	2031.60	1.98
9246.00	89.69	177.15	7210.15	-2099.02	382.04	2126.46	0.60
9340.00	89.01	177.27	7211.22	-2192.90	386.61	2220.34	0.73
9436.00	90.37	177.48	7211.74	-2288.79	391.01	2316.20	1.43
9530.00	91.36	178.44	7210.32	-2382.72	394.36	2410.00	1.47
9625.00	91.48	178.66	7207.96	-2477.66	396.76	2504.71	0.26
9720.00	91.73	179.39	7205.30	-2572.61	398.38	2599.36	0.81
9814.00	92.04	179.53	7202.21	-2666.56	399.26	2692.93	0.36
9910.00	90.74	178.78	7199.88	-2762.51	400.68	2788.56	1.56
10004.00	89.88	178.31	7199.37	-2856.48	403.06	2882.31	1.04
10099.00	89.32	177.76	7200.04	-2951.42	406.32	2977.11	0.83
10194.00	89.01	177.95	7201.42	-3046.35	409.88	3071.92	0.38
10288.00	88.83	177.44	7203.19	-3140.25	413.66	3165.74	0.58
10383.00	89.14	177.74	7204.88	-3235.15	417.65	3260.57	0.45
10478.00	89.07	177.46	7206.36	-3330.06	421.63	3355.41	0.30
10572.00	89.32	177.06	7207.68	-3423.94	426.12	3449.28	0.50
10667.00	88.27	178.46	7209.68	-3518.84	429.83	3544.08	1.84
10762.00	89.51	178.13	7211.52	-3613.78	432.66	3638.84	1.35
10857.00	90.31	179.17	7211.67	-3708.75	434.90	3733.56	1.38
10952.00	90.68	178.61	7210.85	-3803.73	436.74	3828.26	0.71
11047.00	90.49	178.83	7209.88	-3898.70	438.86	3922.98	0.31
11142.00	90.37	178.31	7209.17	-3993.67	441.23	4017.72	0.56
11237.00	89.88	177.95	7208.96	-4088.62	444.33	4112.51	0.64
11332.00	89.74	178.42	7209.27	-4183.57	447.34	4207.29	0.52
11426.00	88.89	178.31	7210.40	-4277.53	450.02	4301.05	0.91
11521.00	88.40	178.28	7212.64	-4372.46	452.85	4395.80	0.52
11556.00	88.09	178.15	7213.71	-4407.42	453.94	4430.70	0.96
11611.00	88.09	178.15	7215.55	-4462.36	455.71	4485.55	0.00

Weatherford M/LWD surveys from 858.00 ft MD to 11556.00 ft MD

TD at 11611.00 ft MD.

The total correction is 8.65 deg relative to True North.



Weatherford®

Final Print

COMPANY	<u>Anadarko</u>		
WELL	<u>Sarchet 15N-32HZ</u>		
FIELD	<u>Wattenberg</u>		
RIG	<u>H & P 307</u>		
LOC.	<u>Colorado</u>	COUNTY	<u>Weld</u>