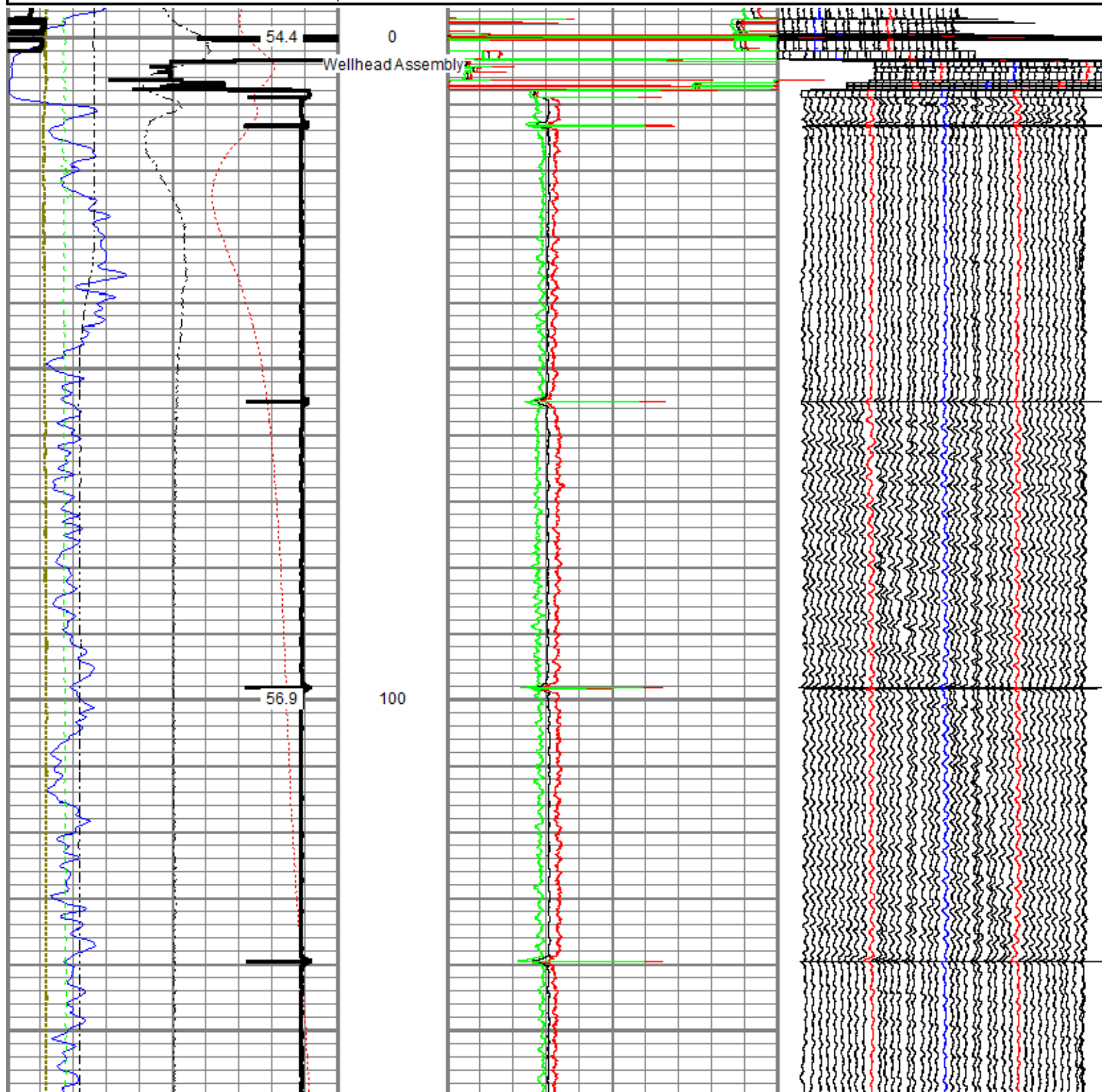


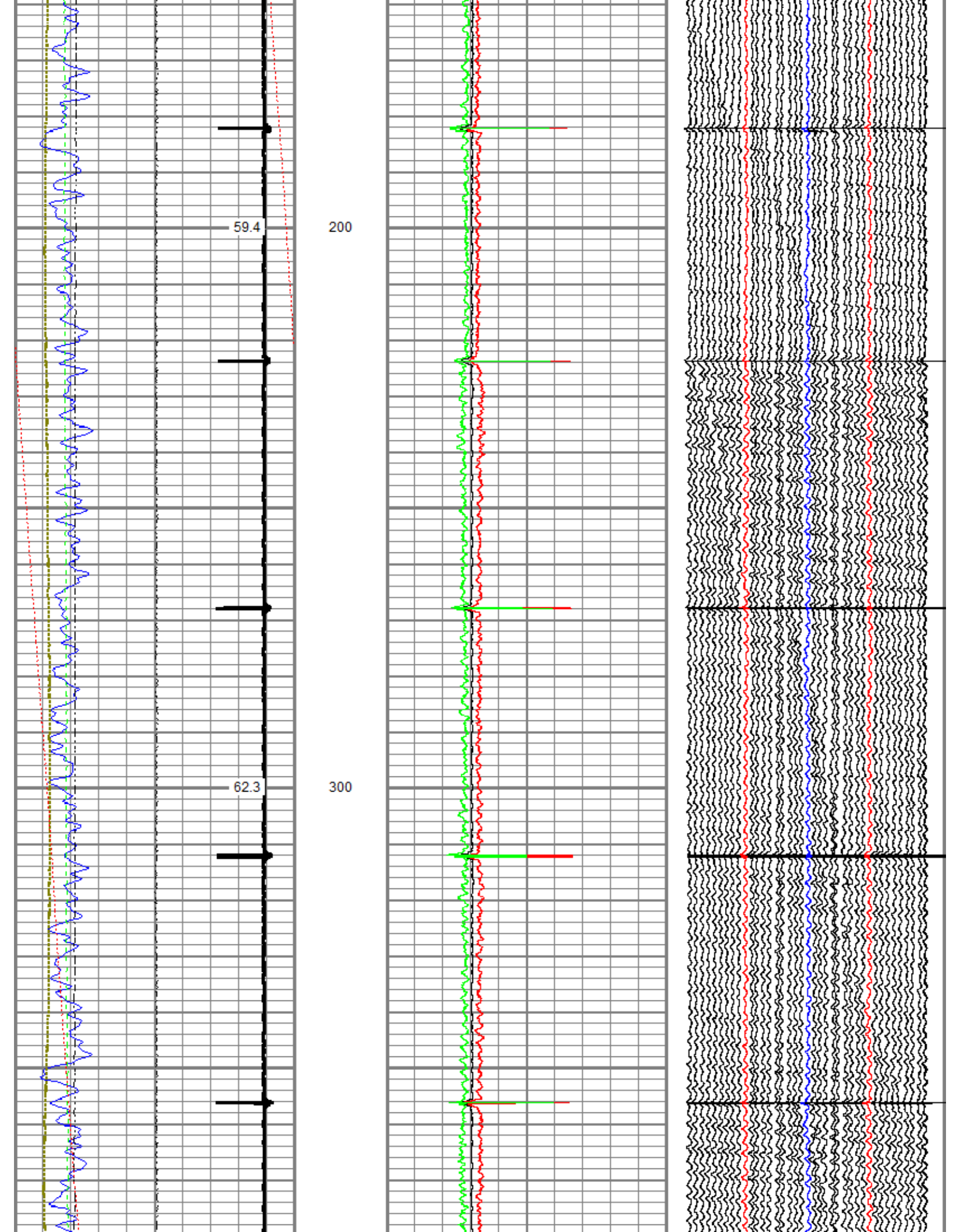
<<< Fold Here >>>
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.
Comments
Log ran as per customer request Depth referenced to Casing Tally reported Liner Top at 6265 FT Adjusted -12 FT to correlate with Liner Top Gauge Ring/Junk Basket ran to 7700 FT Retrievable Bridge Plug set at 6796 FT Log ran with 0 PSI Surface Induced Pressure Logging tools were clean and free of debris upon completion of operations Thank you for choosing Reliance Oilfield Services, LLC!!

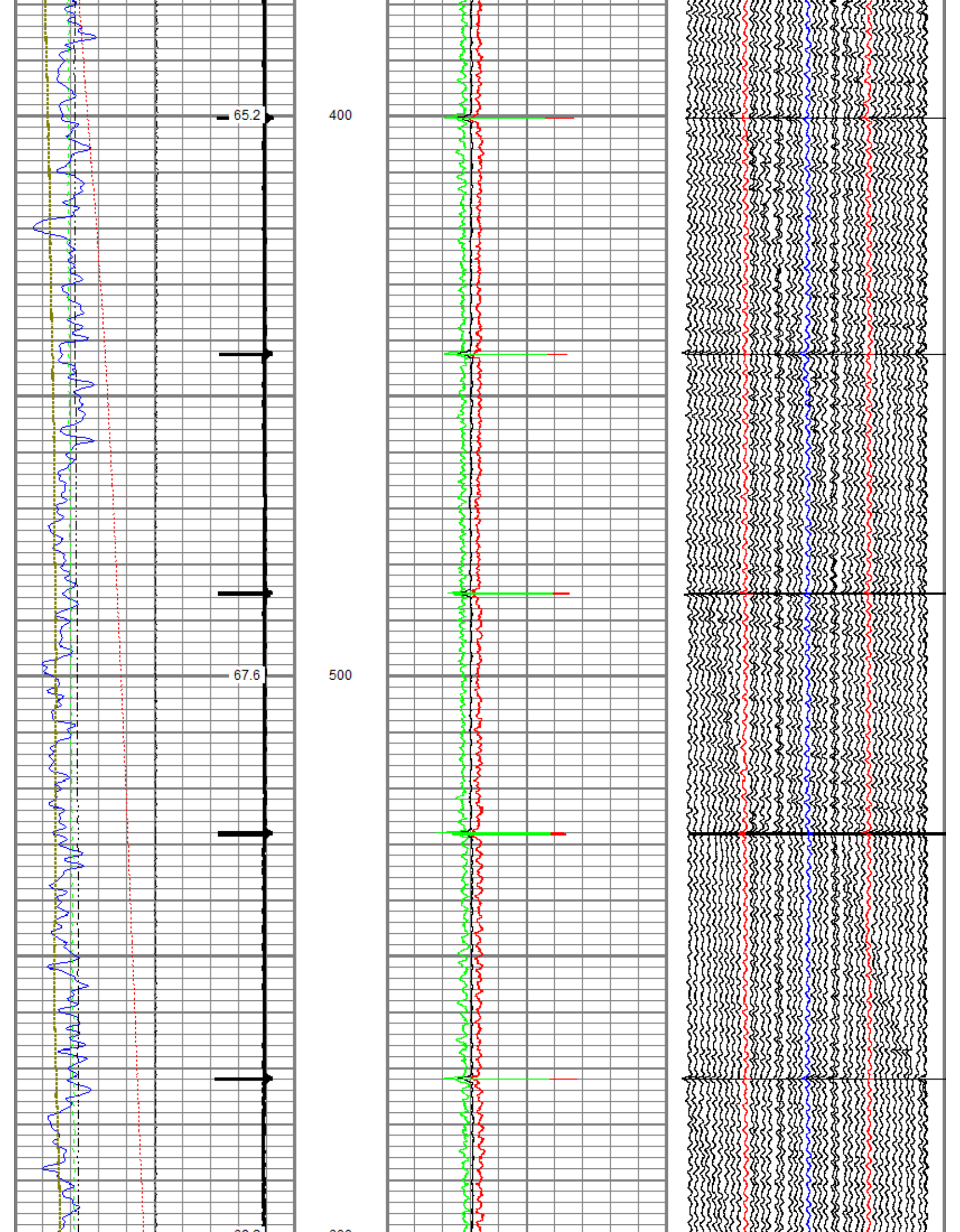
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 Dataset Pathname RCBL-MIT/pass5.1
 Presentation Format ros_70mit40sx
 Dataset Creation Mon Mar 25 13:20:56 2019
 Charted by Depth in Feet scaled 1:240

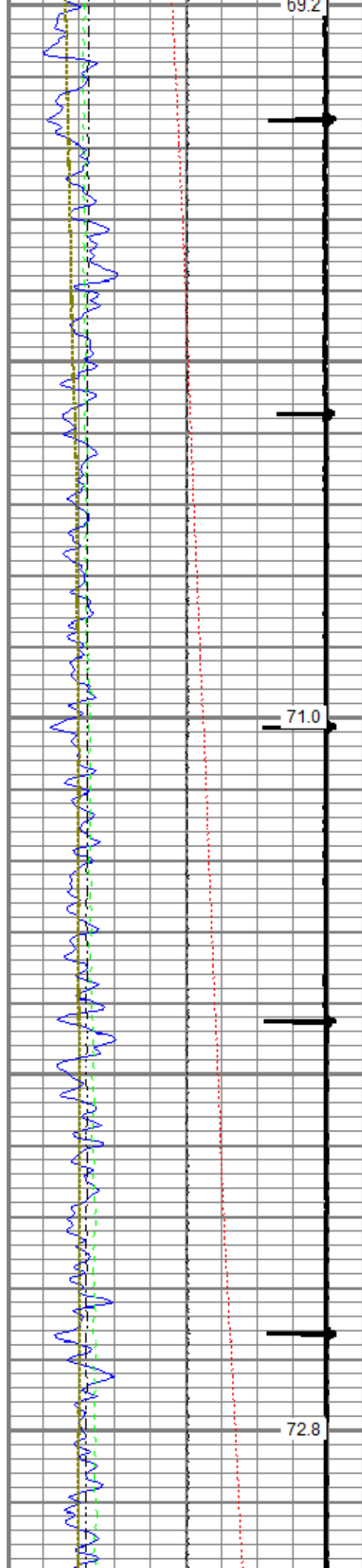
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-100	Line Speed (ft/min)	100
-10	Deviation (deg)	90
0	Line Tension (lb)	2000
-2	Differential Temperature (degF)	2
0	Temperature (degF)	20
Casing Collar Locator		

6	Average Diameter (in)	7	Caliper #10
6	Maximum Diameter (in)	7	Caliper #20
6	Minimum Diameter (in)	7	Caliper #30

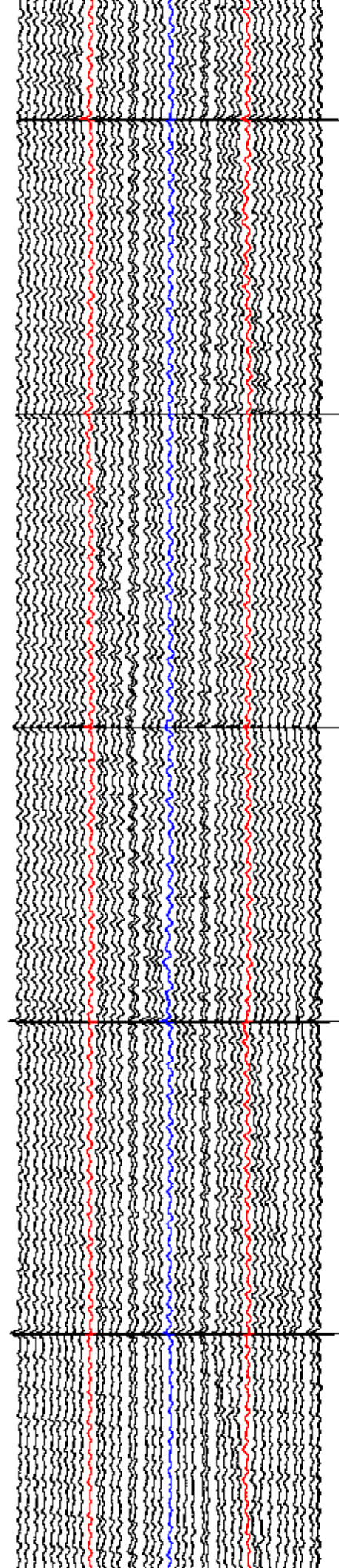
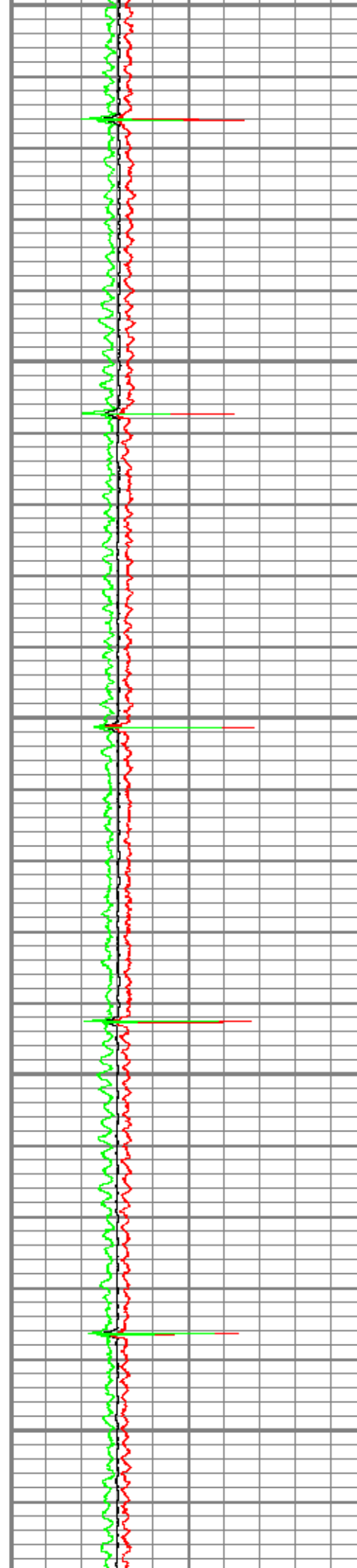


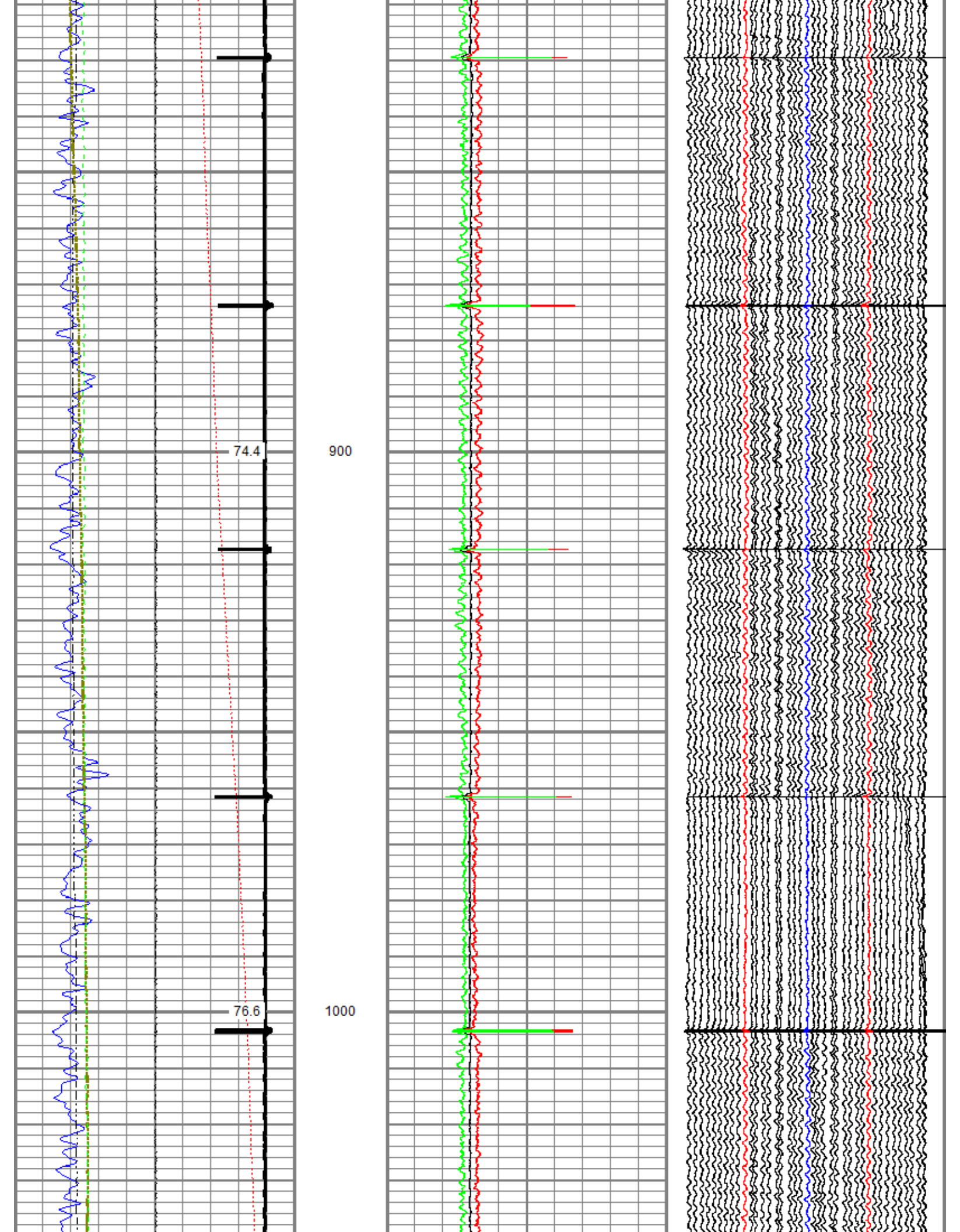


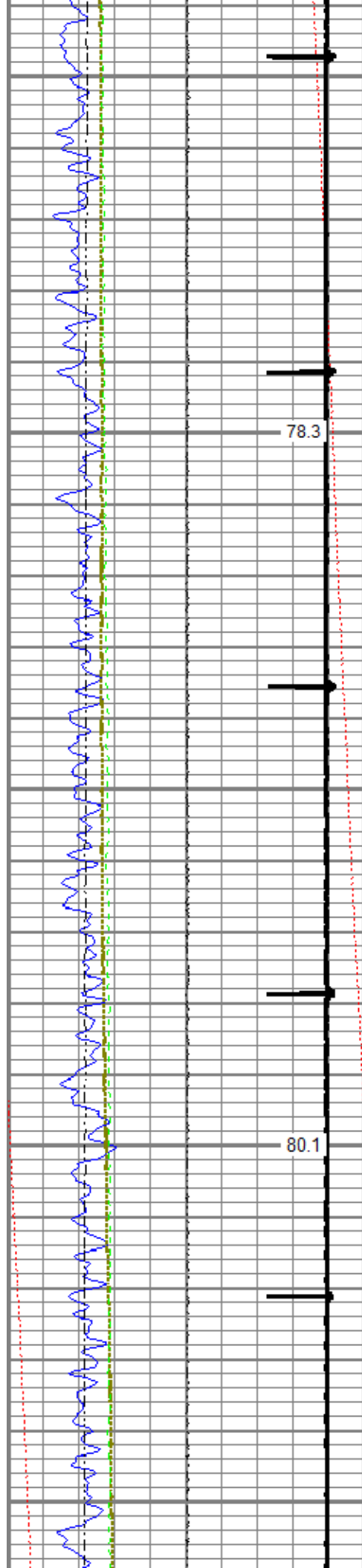




600
700
800

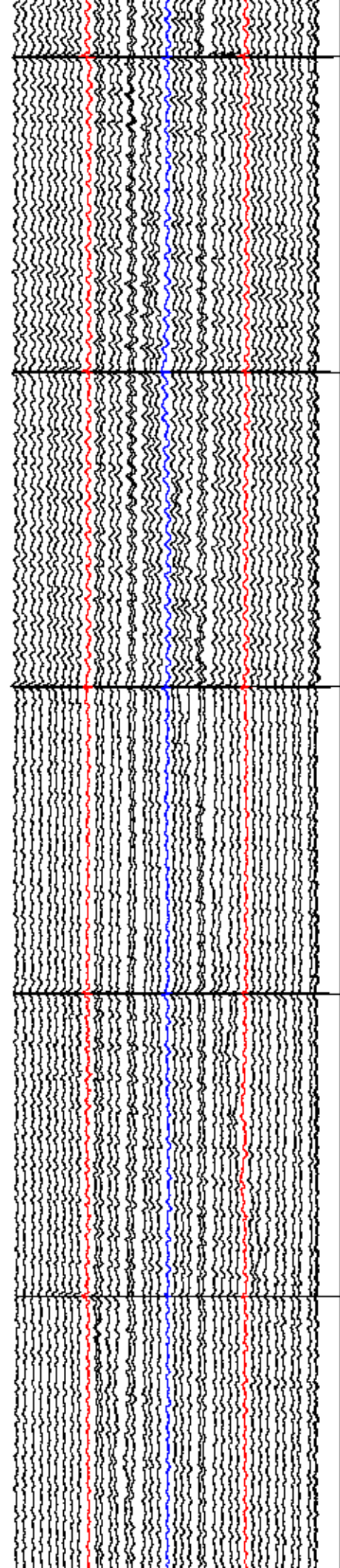
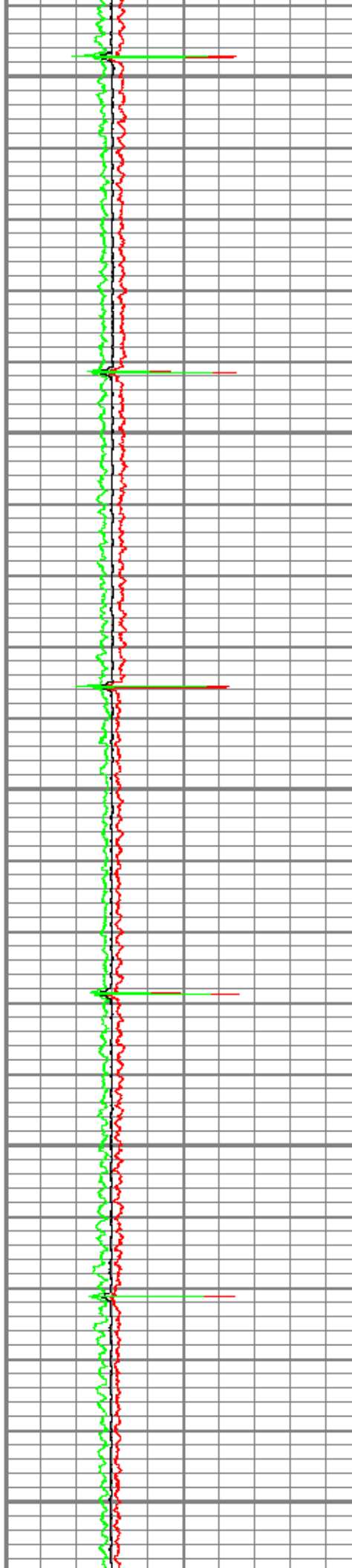


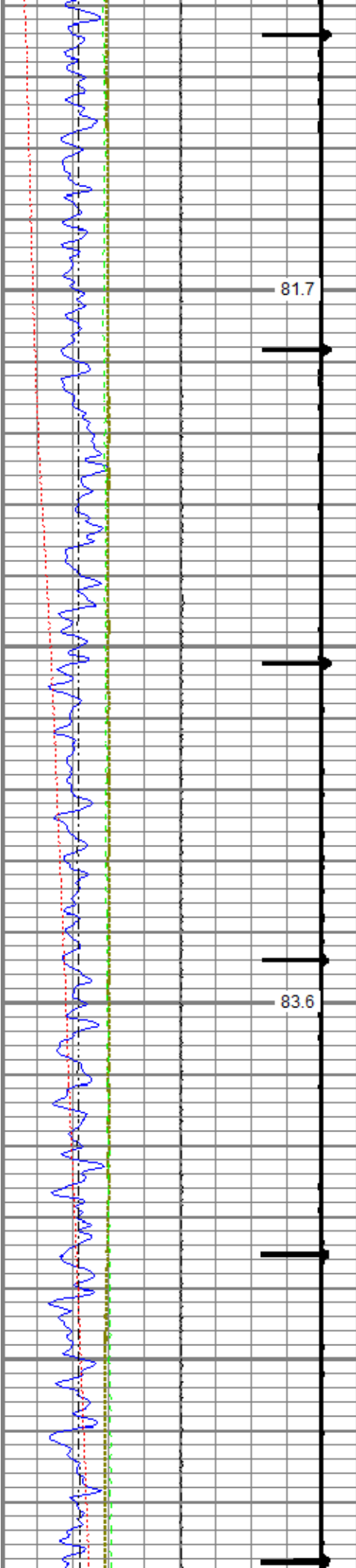




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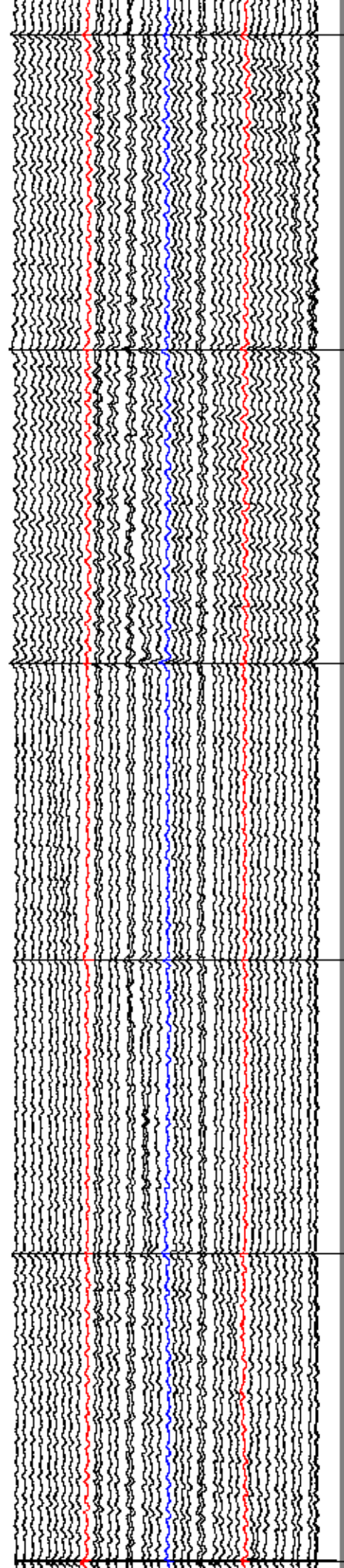
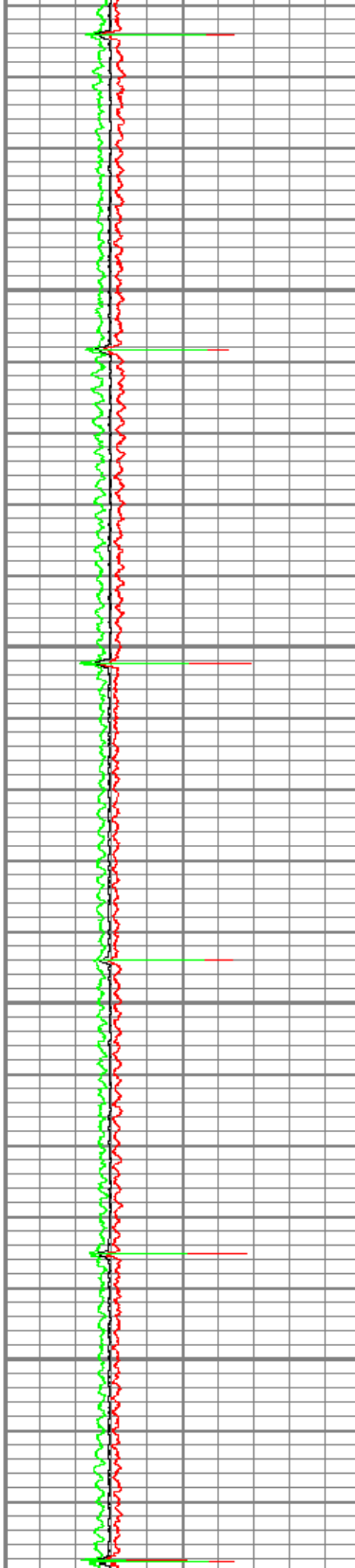
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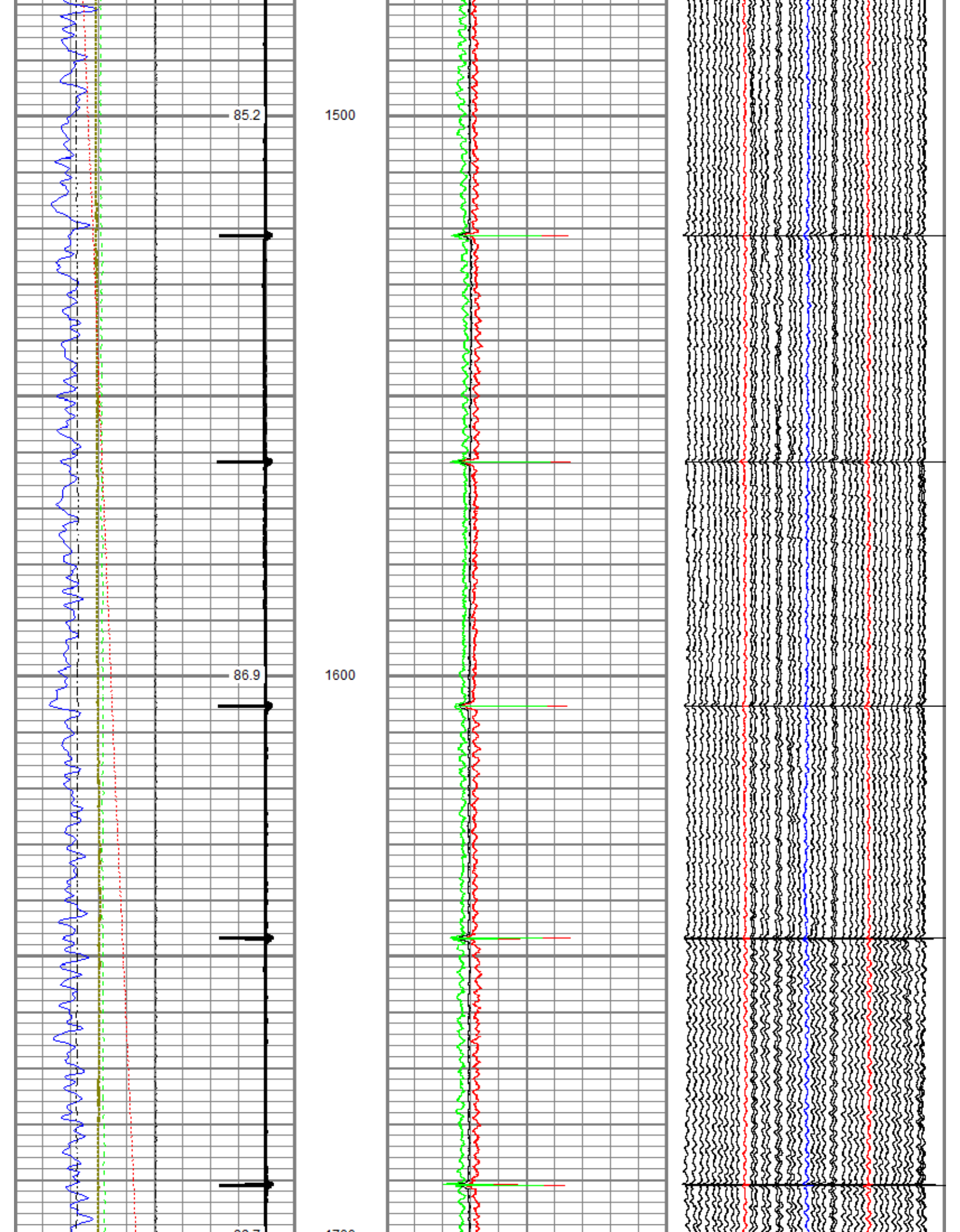


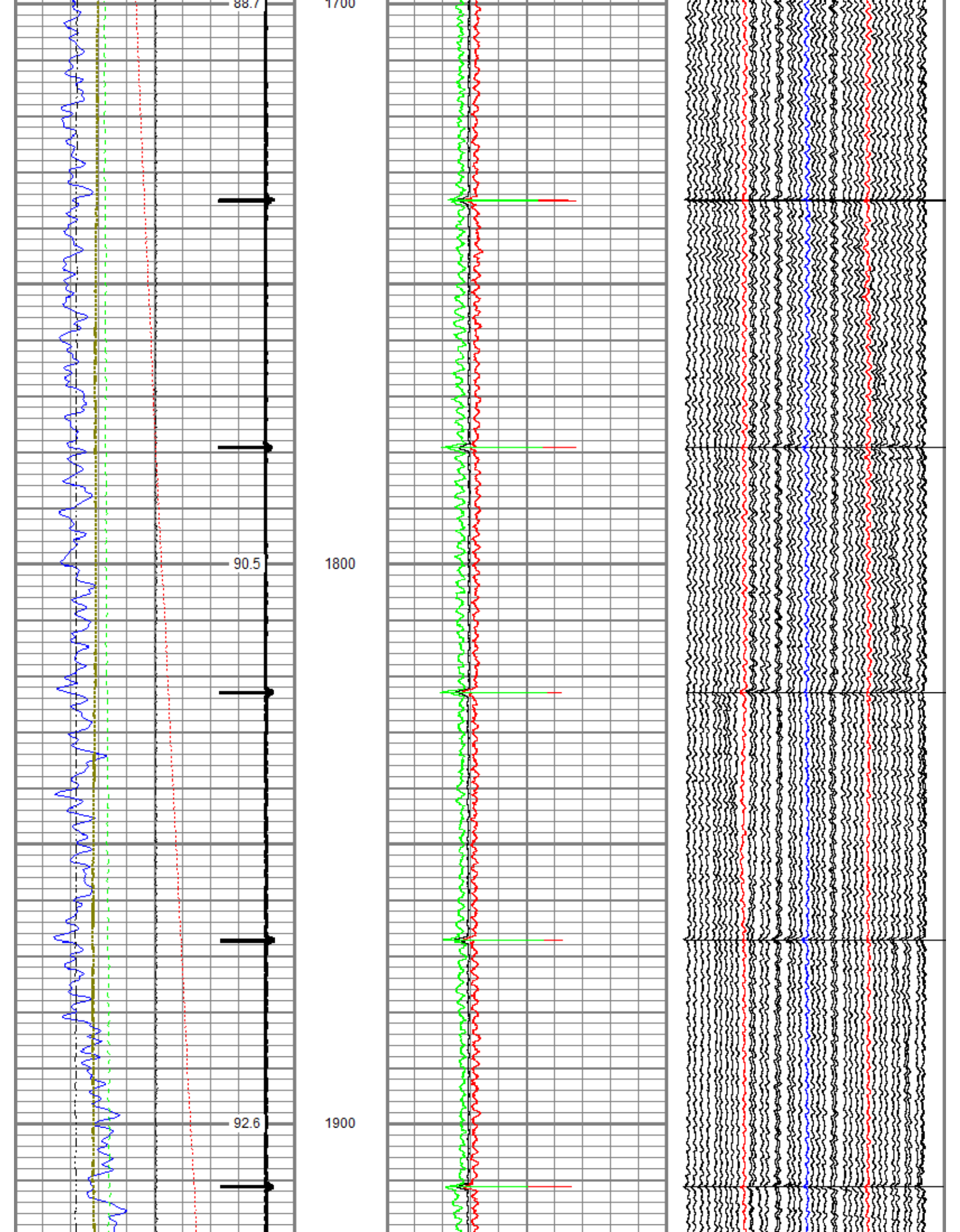


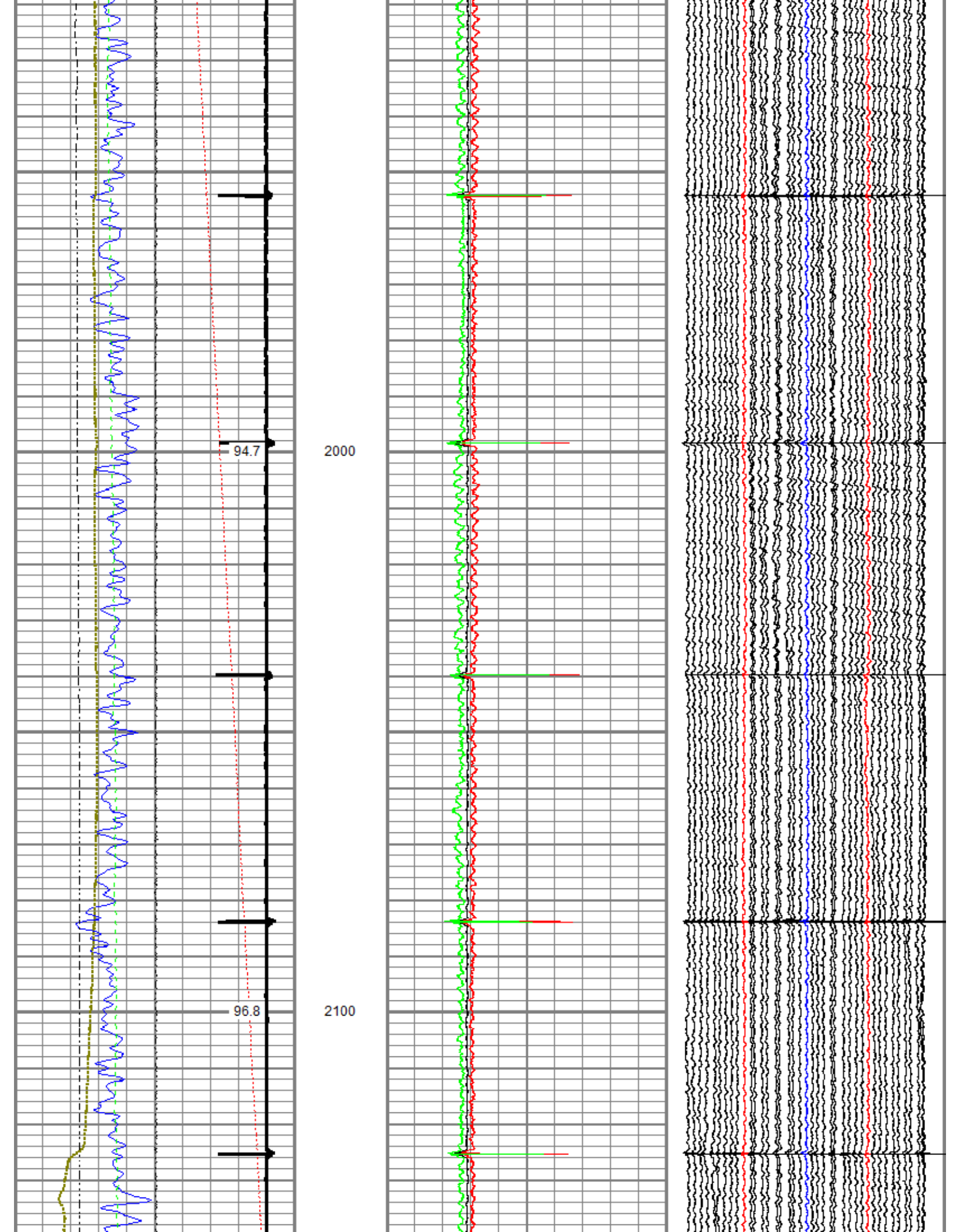
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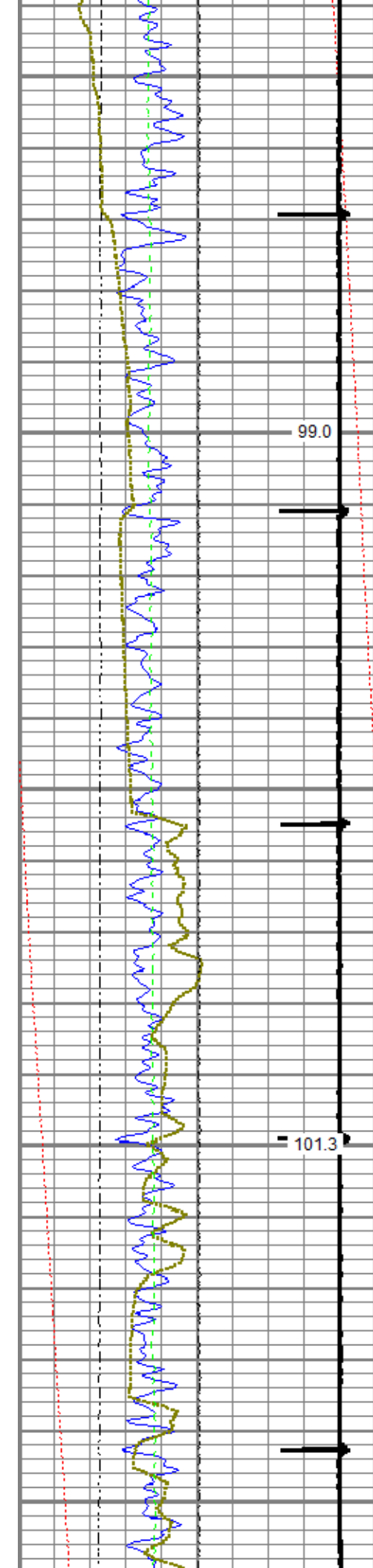
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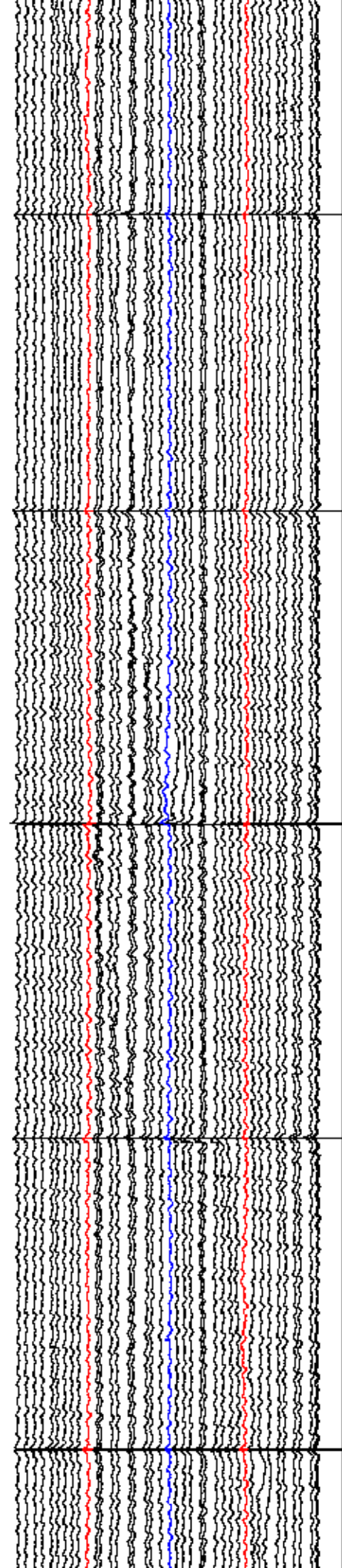
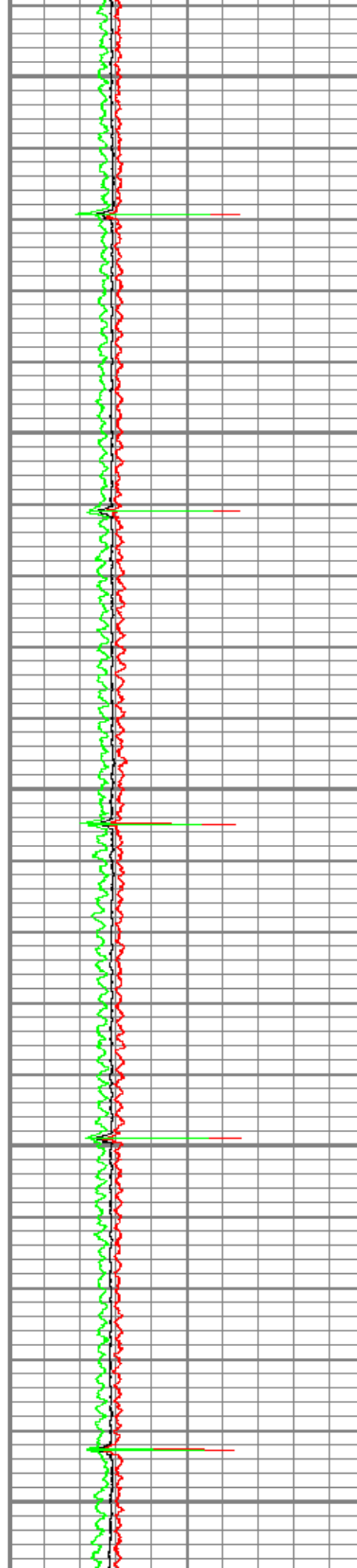


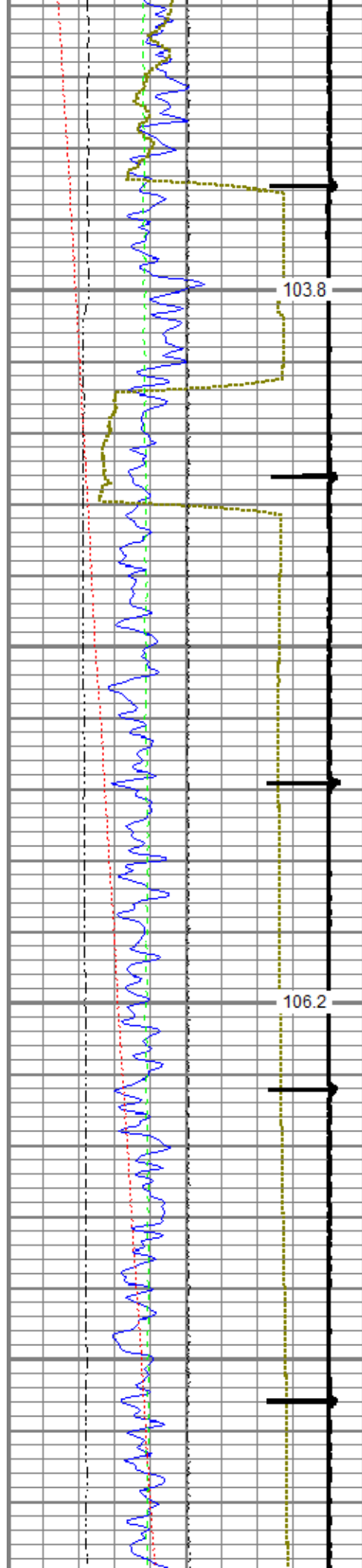




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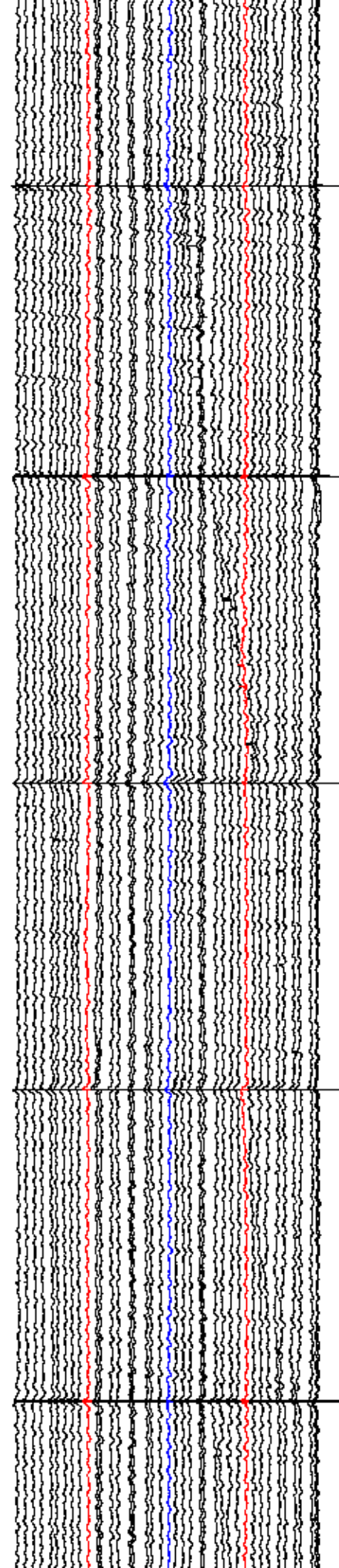
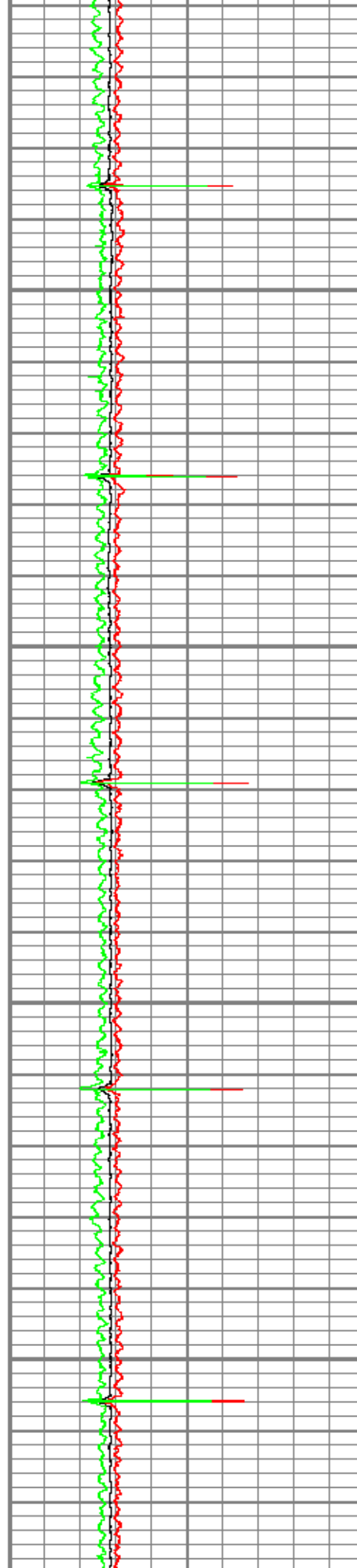
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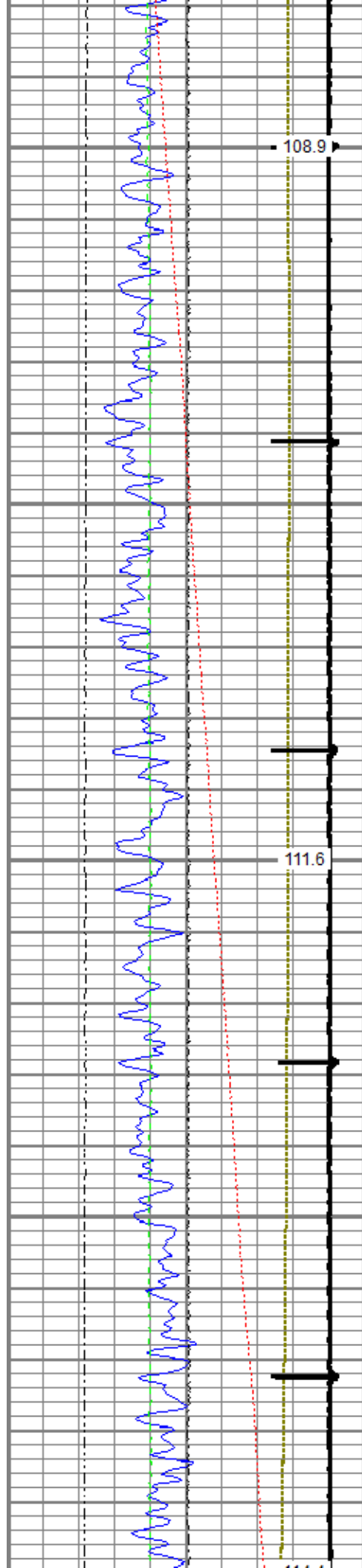




2400

2500

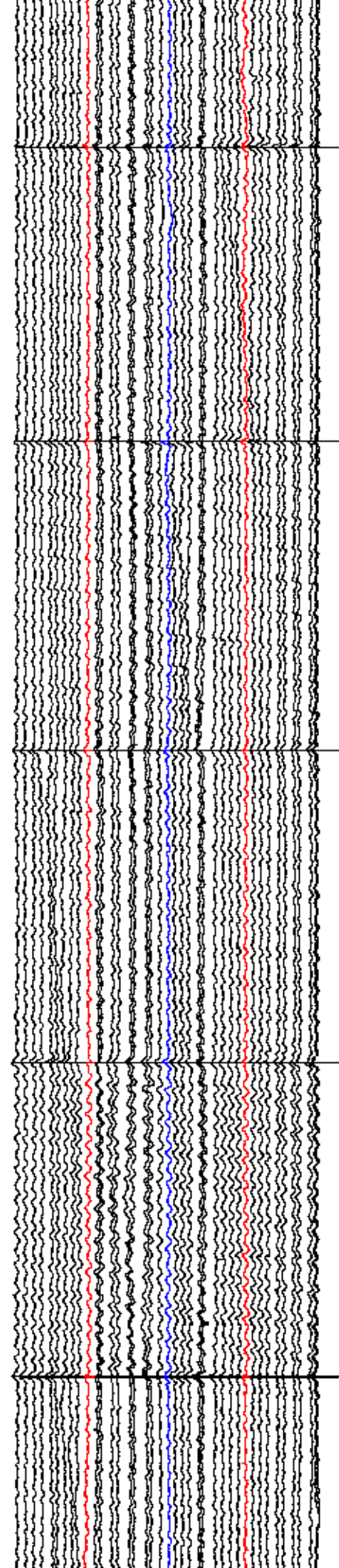
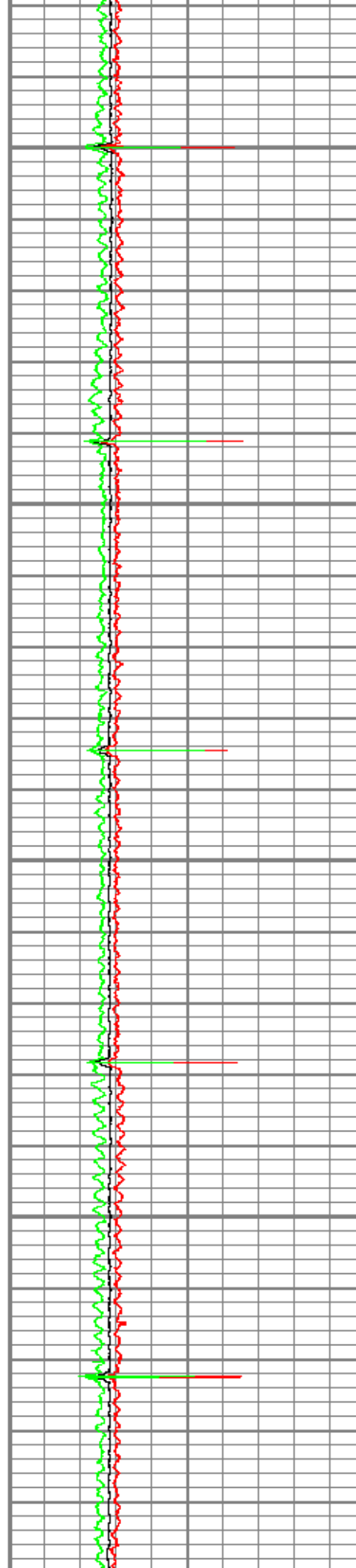


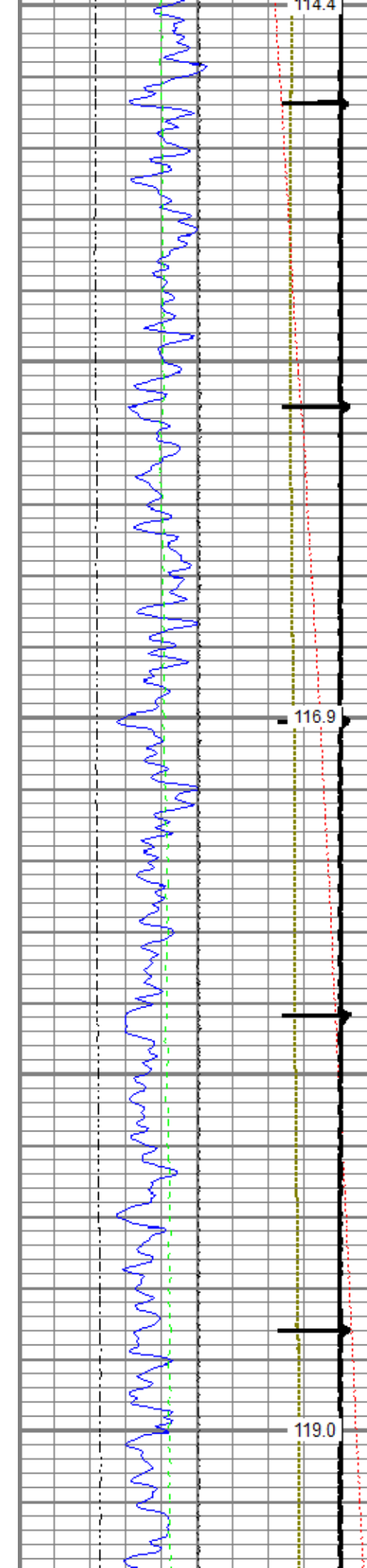


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2700

2800

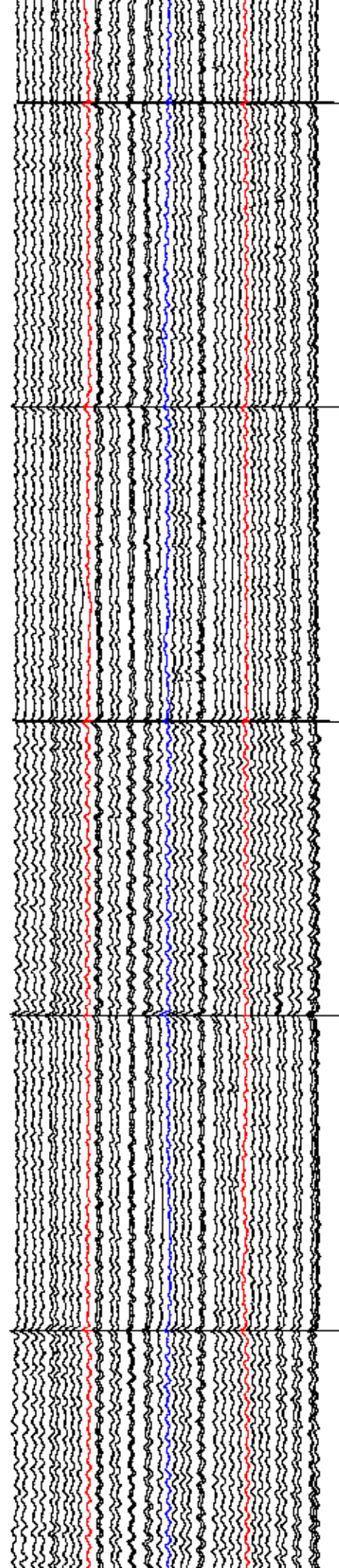
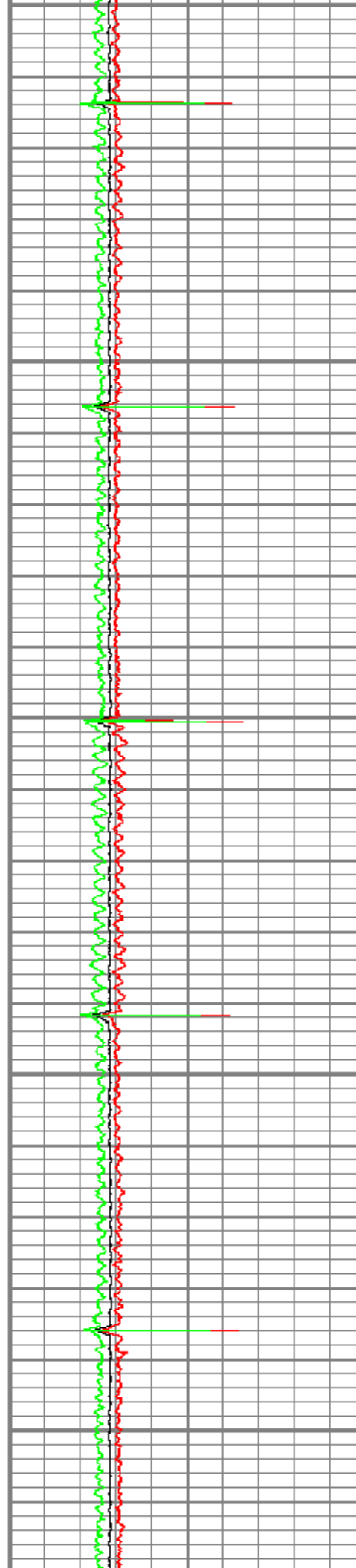


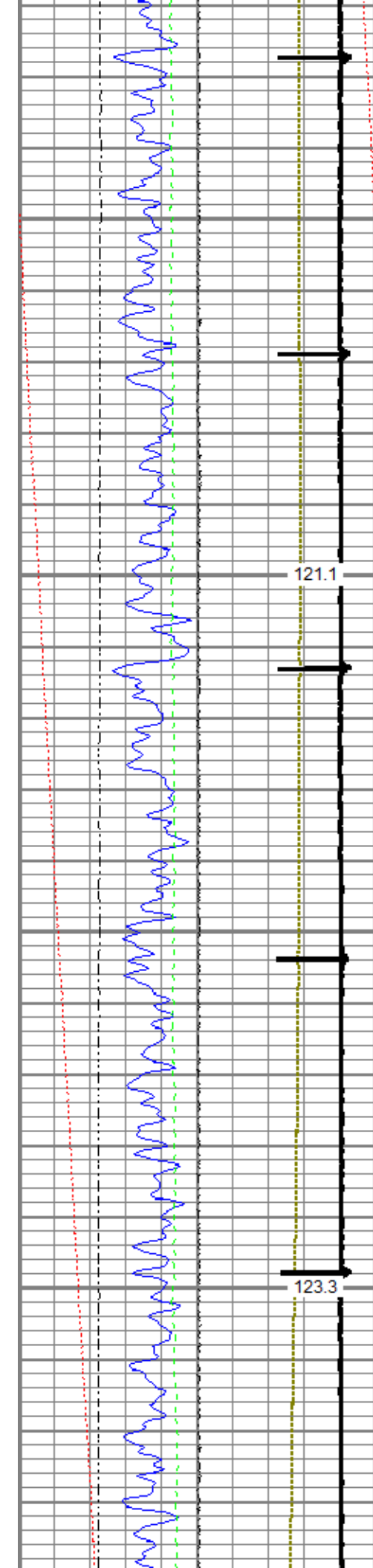


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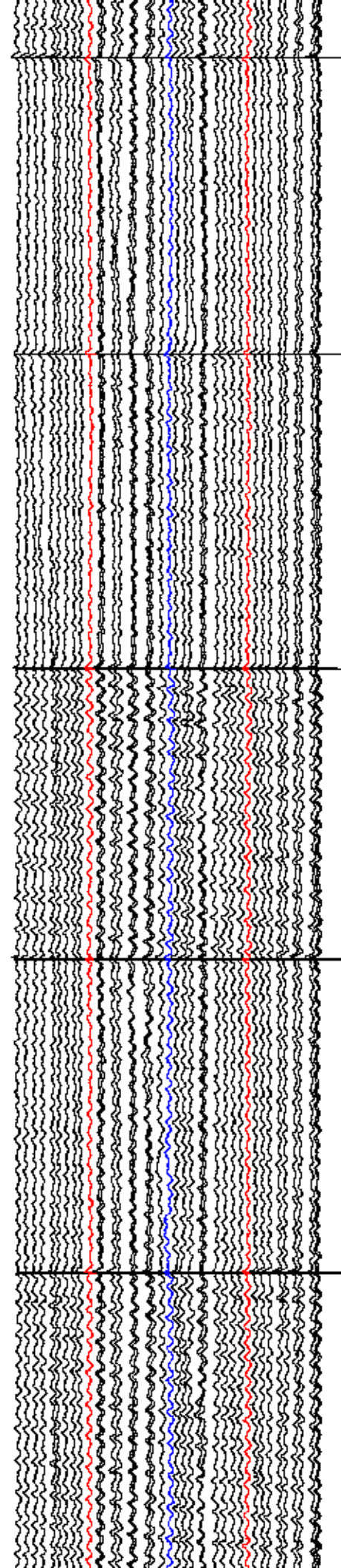
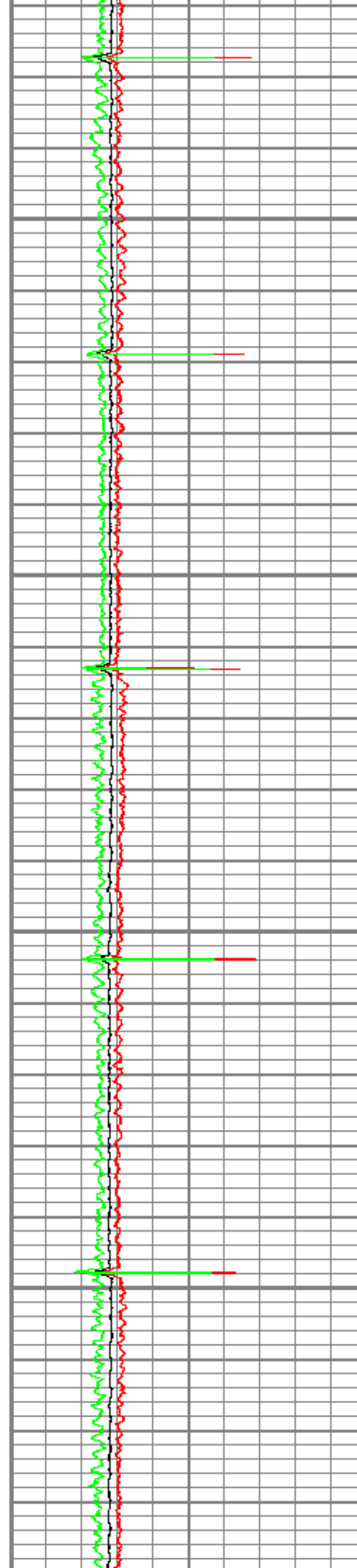
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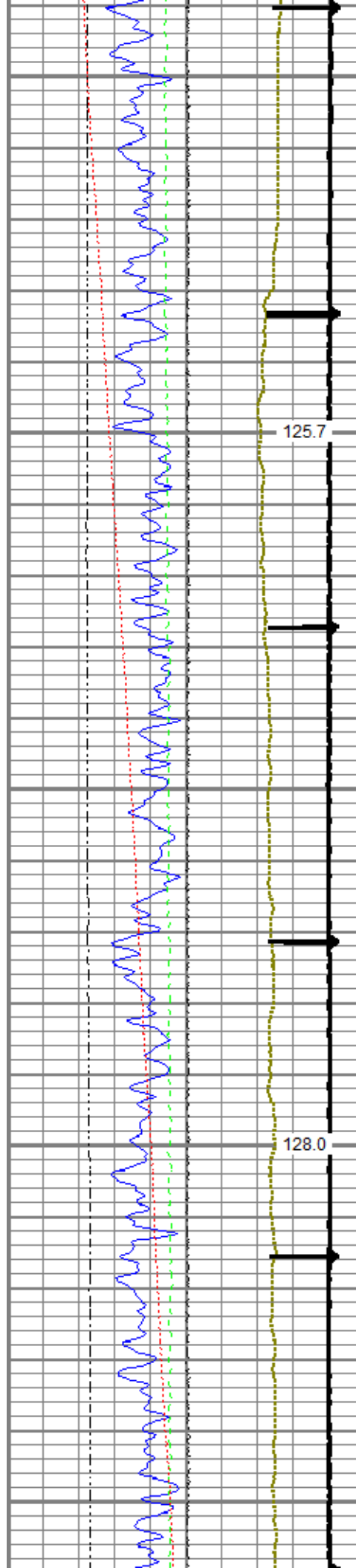




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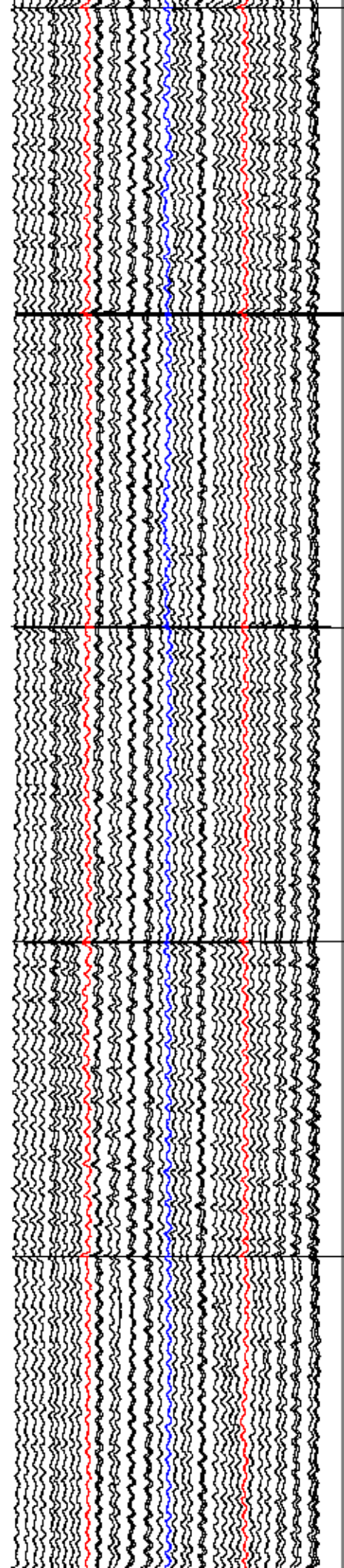
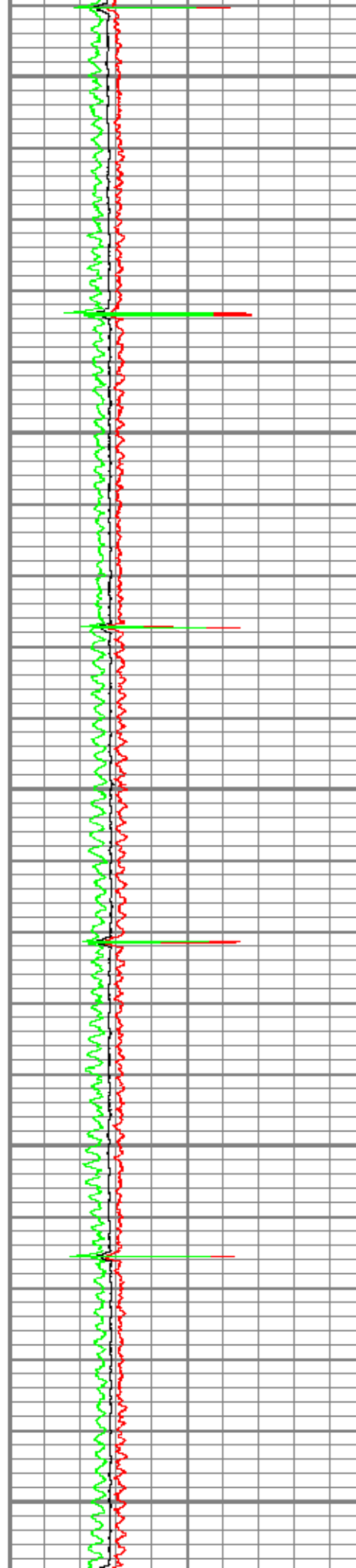
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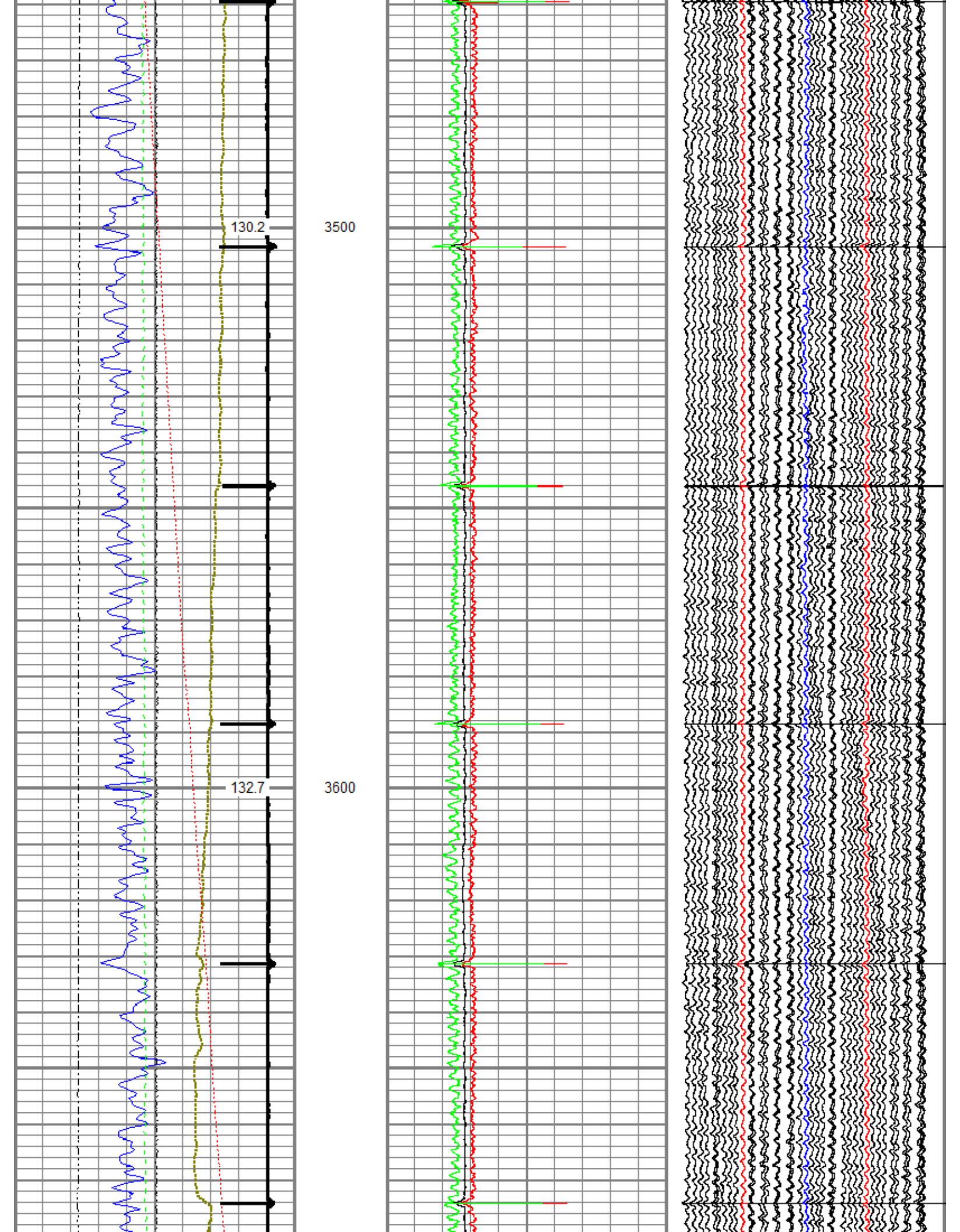


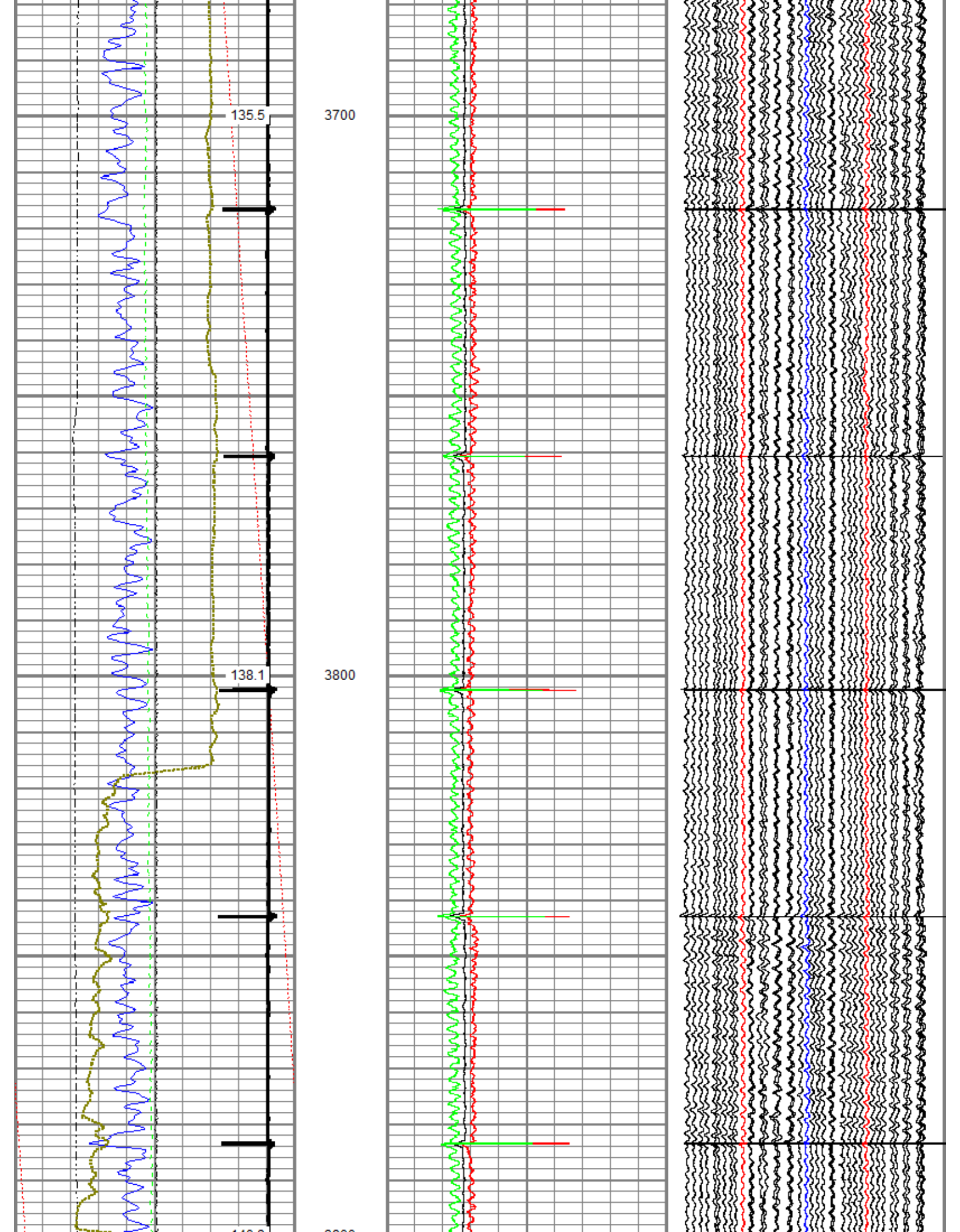


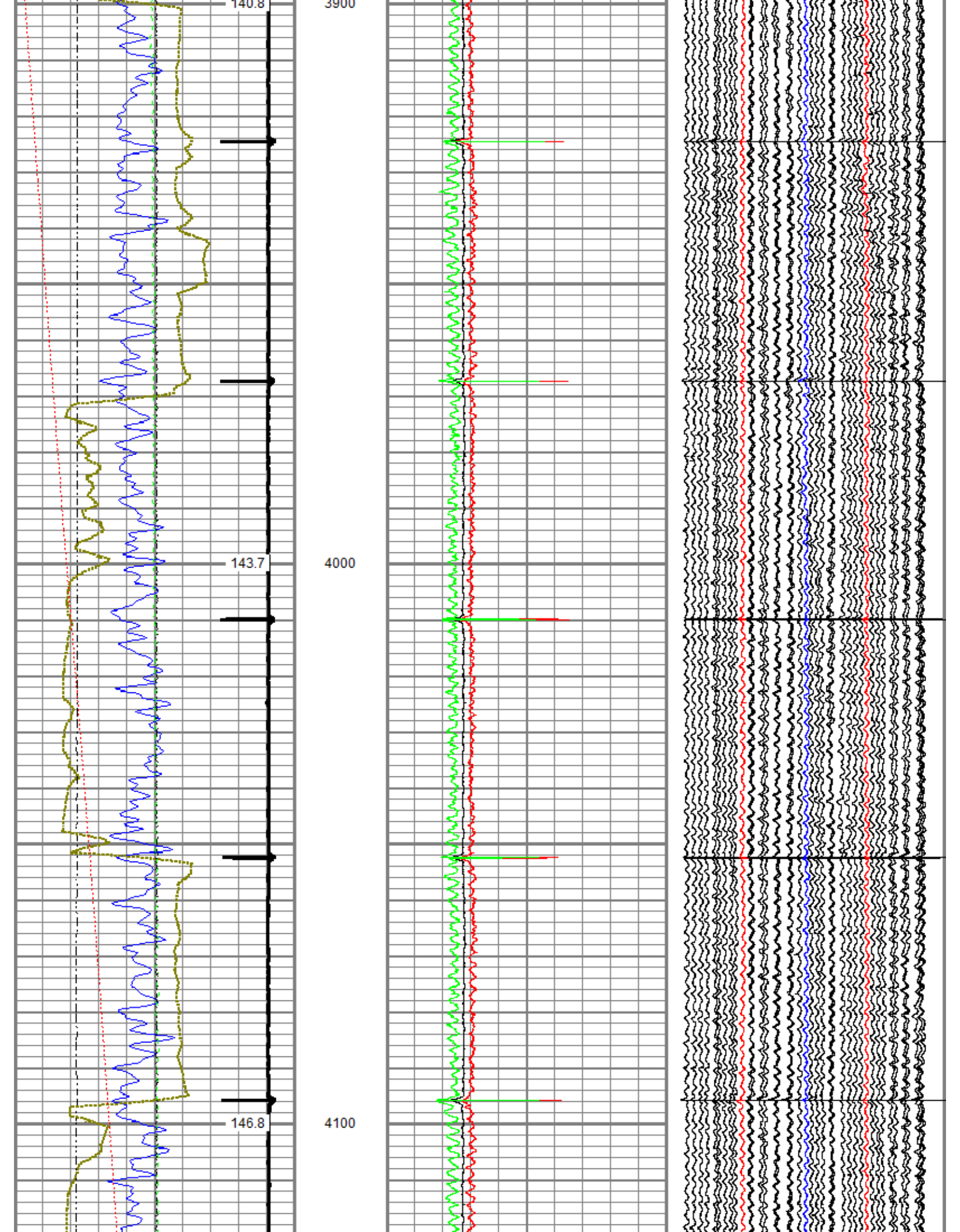
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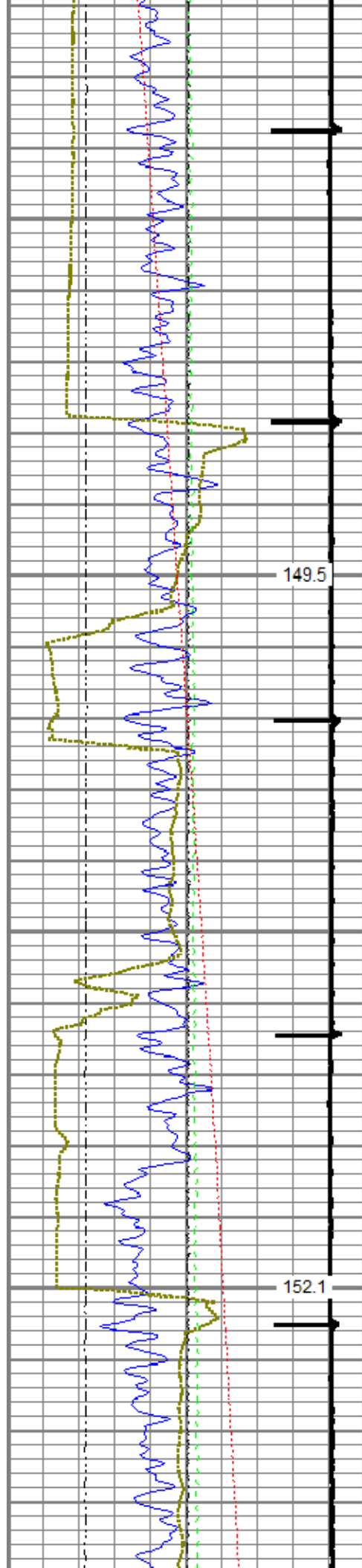
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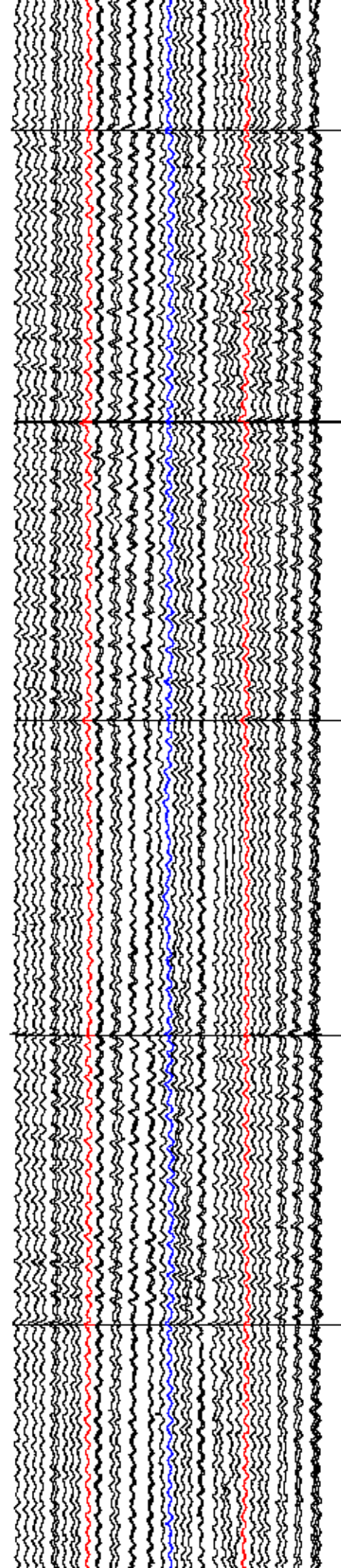
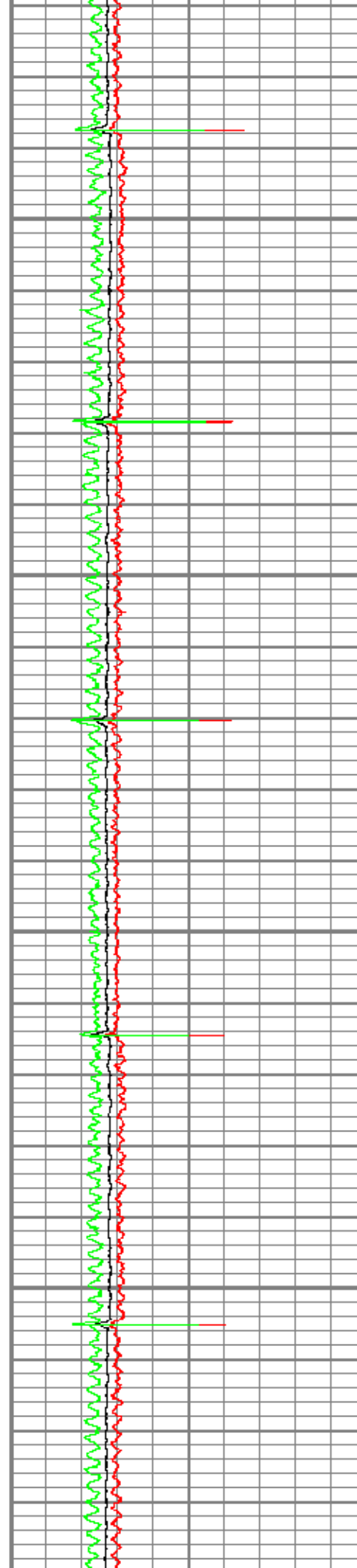


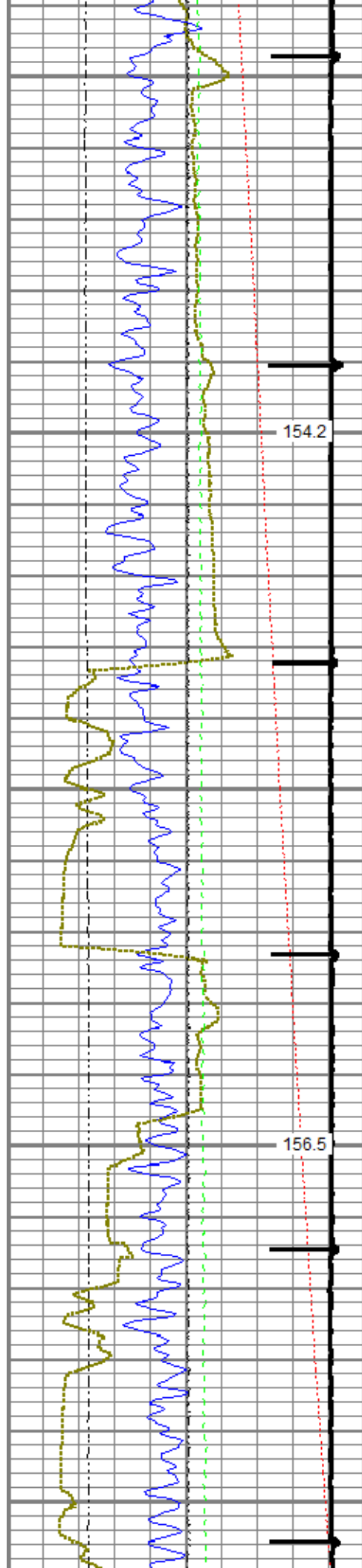




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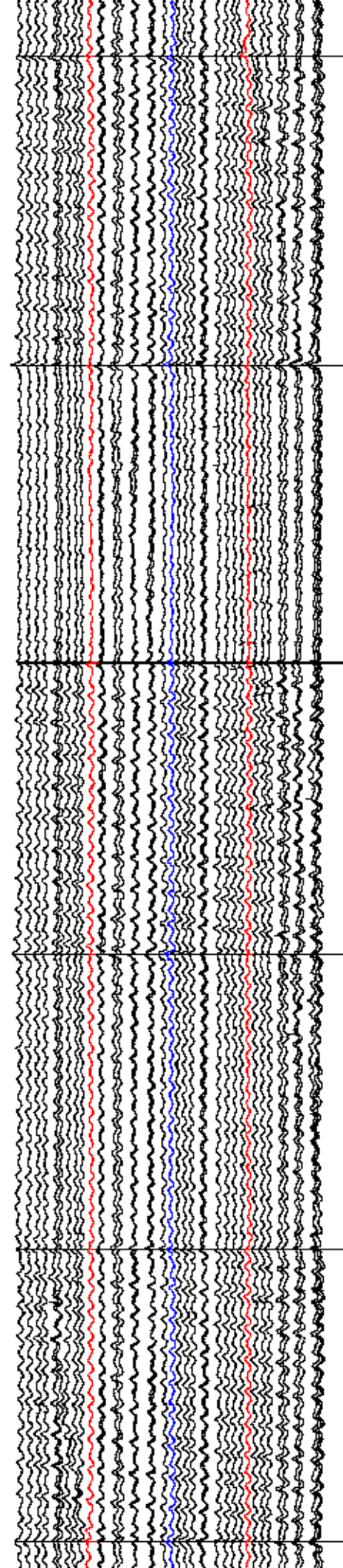
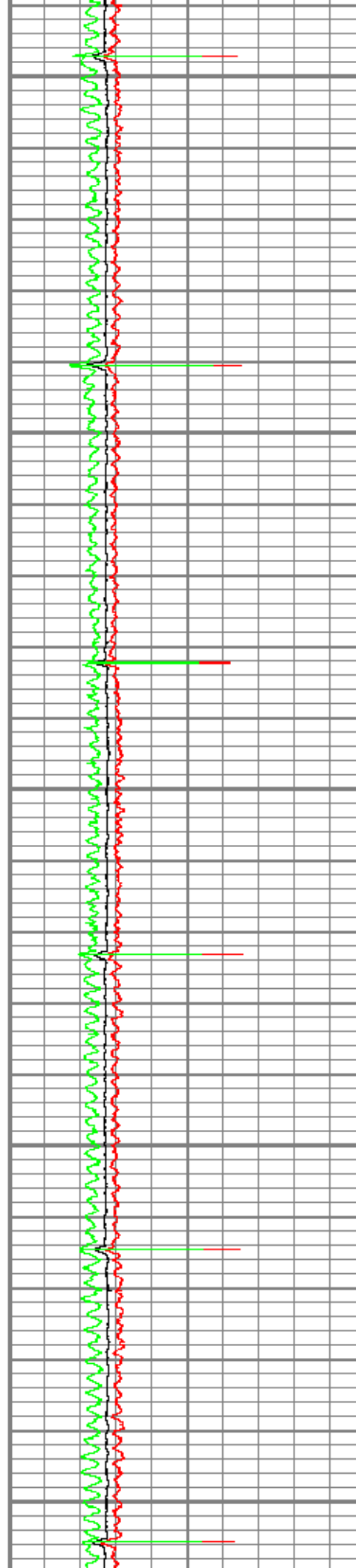
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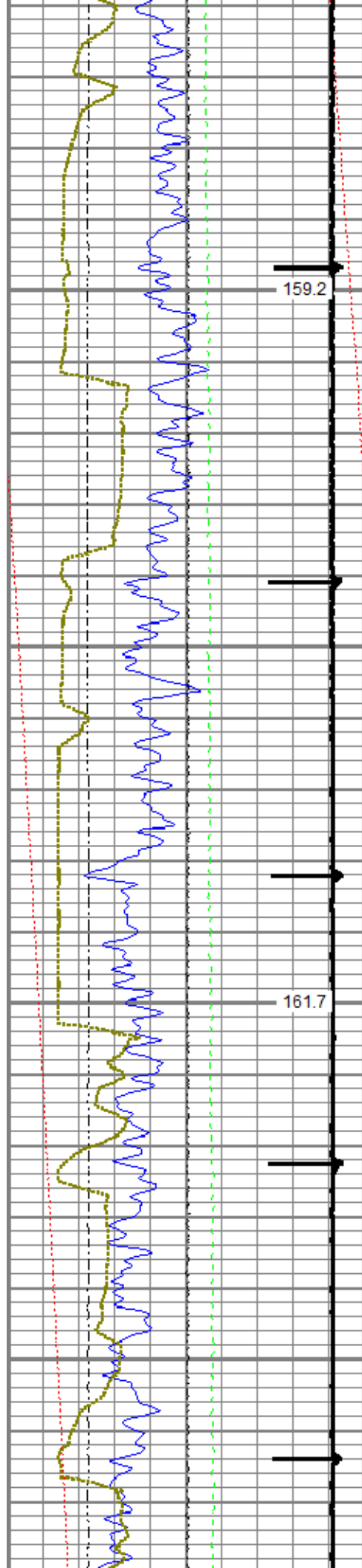




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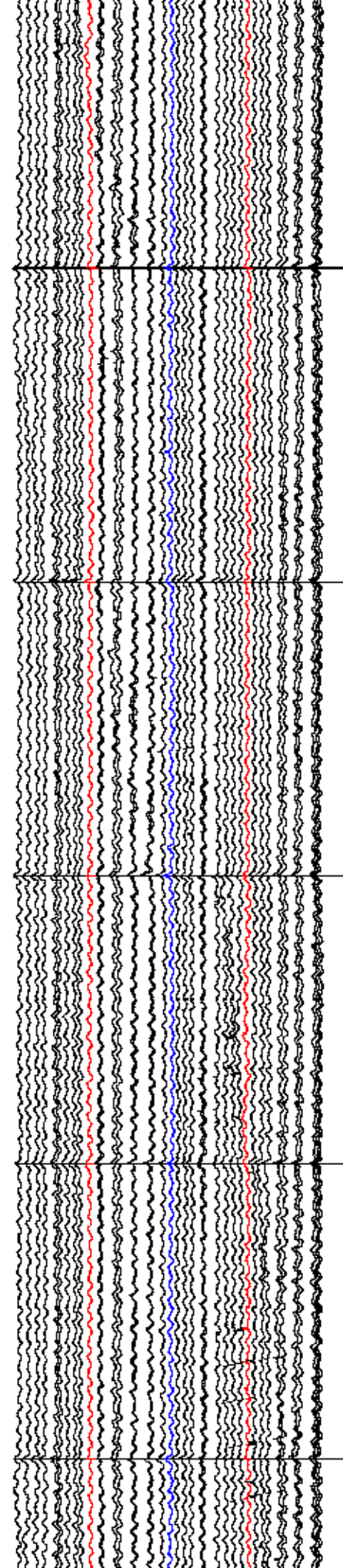
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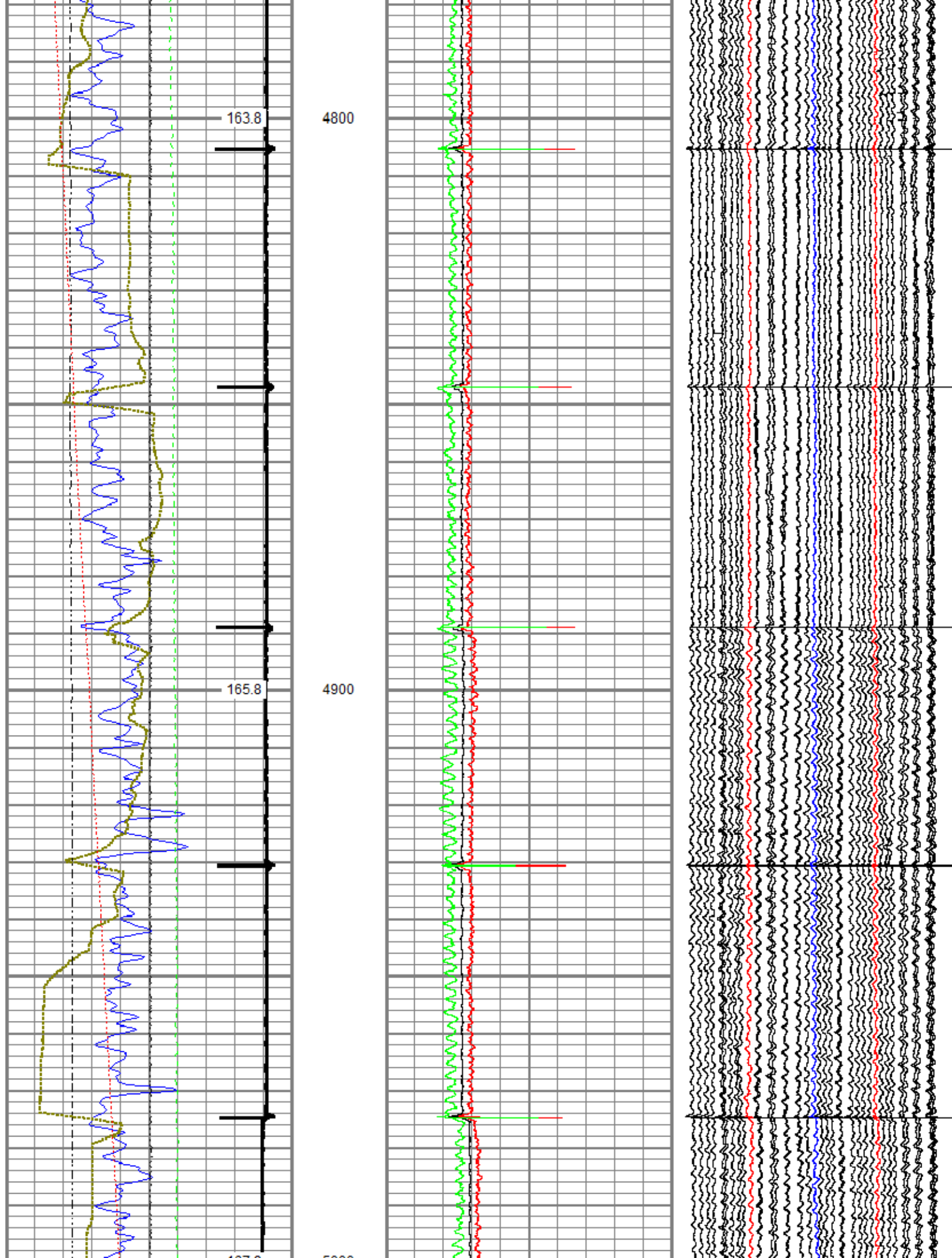


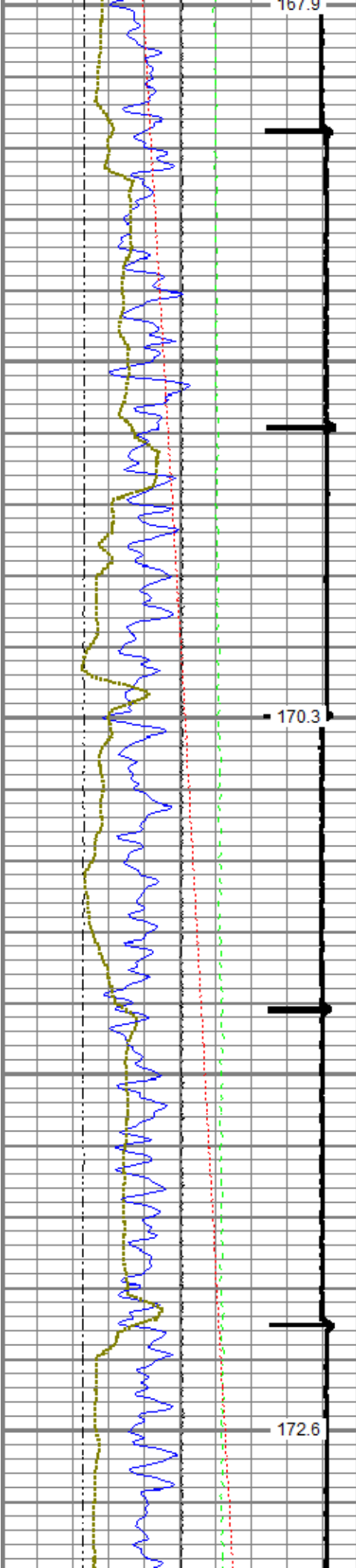


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4700



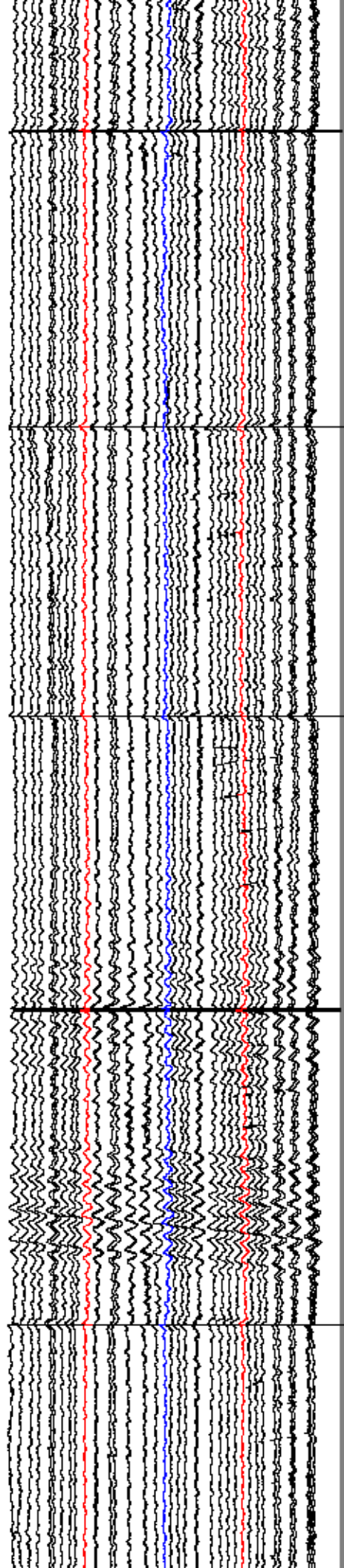
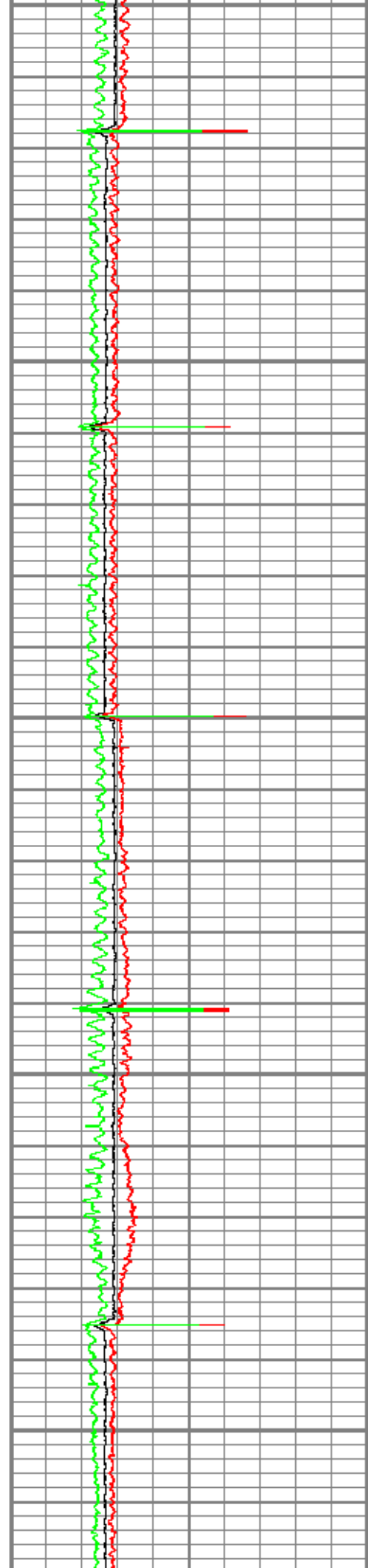


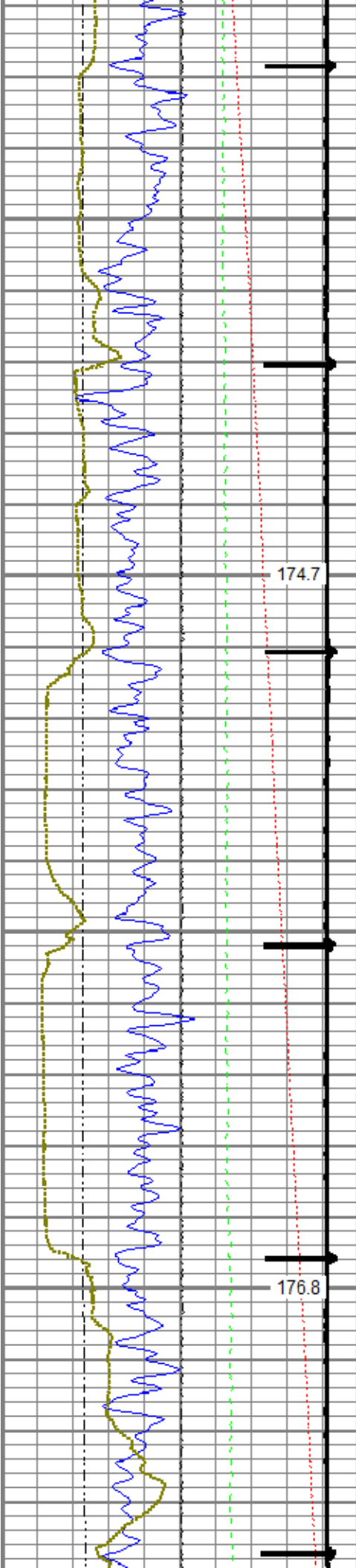


5000

5100

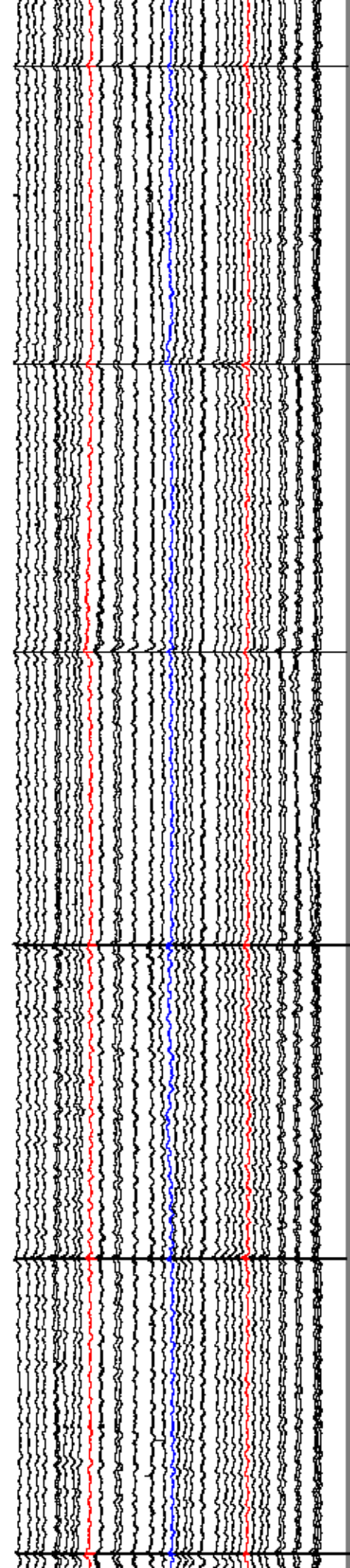
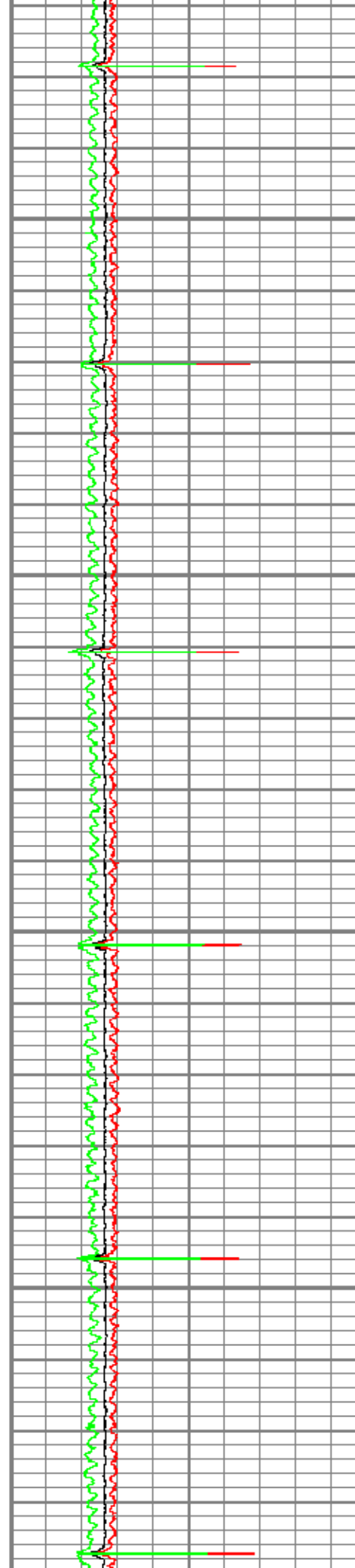
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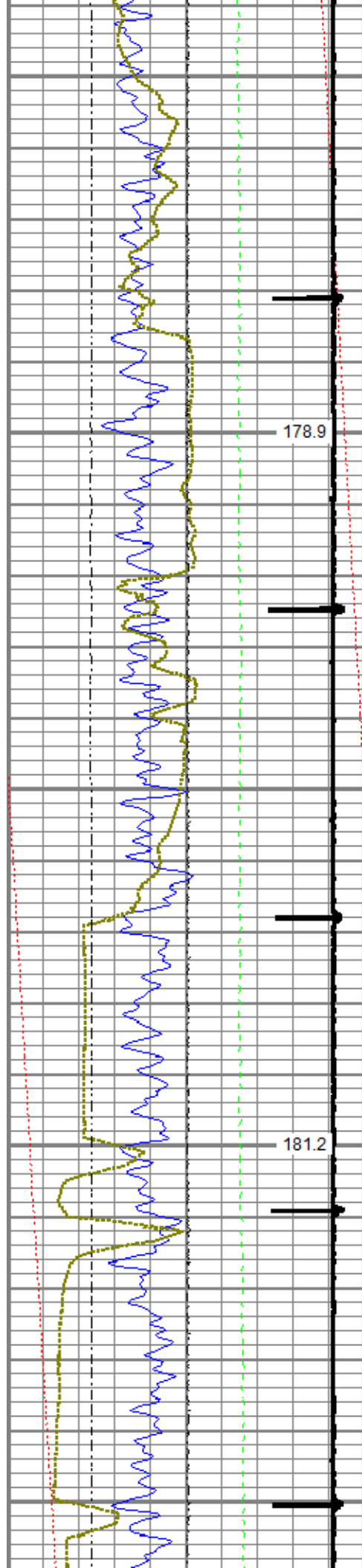




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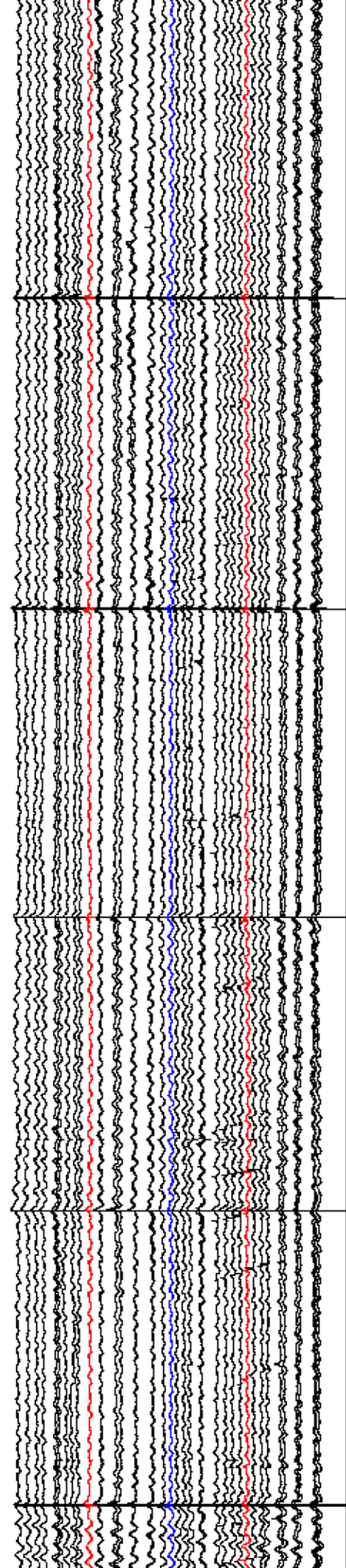
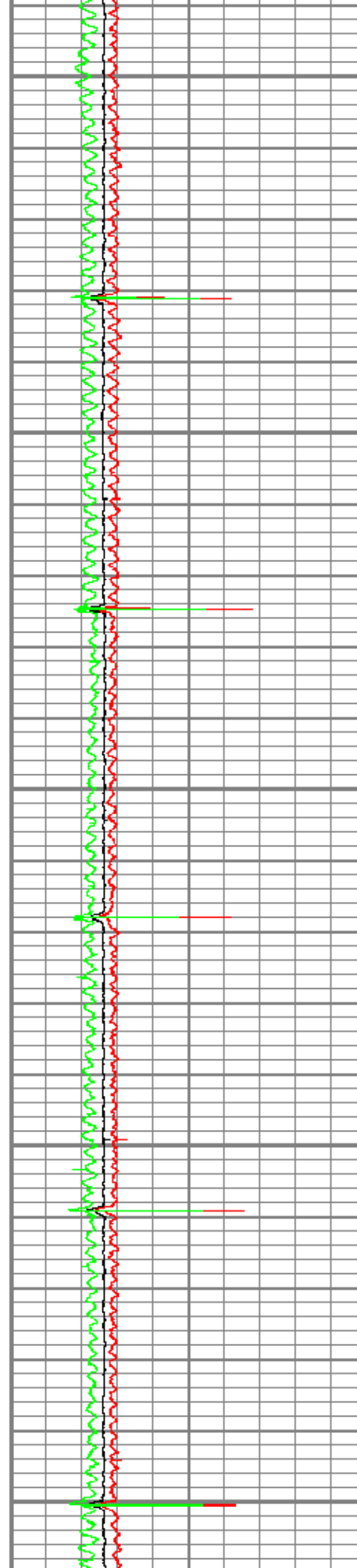
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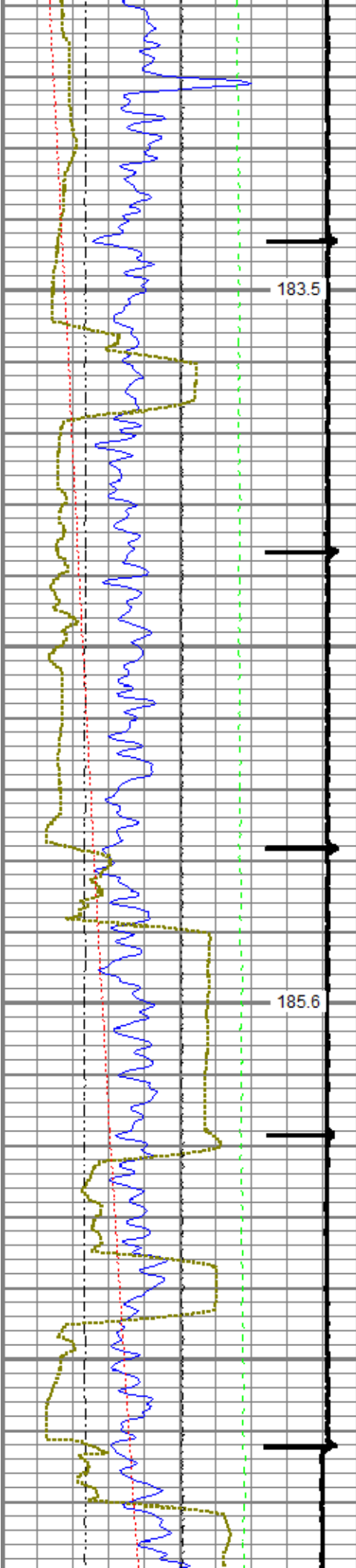




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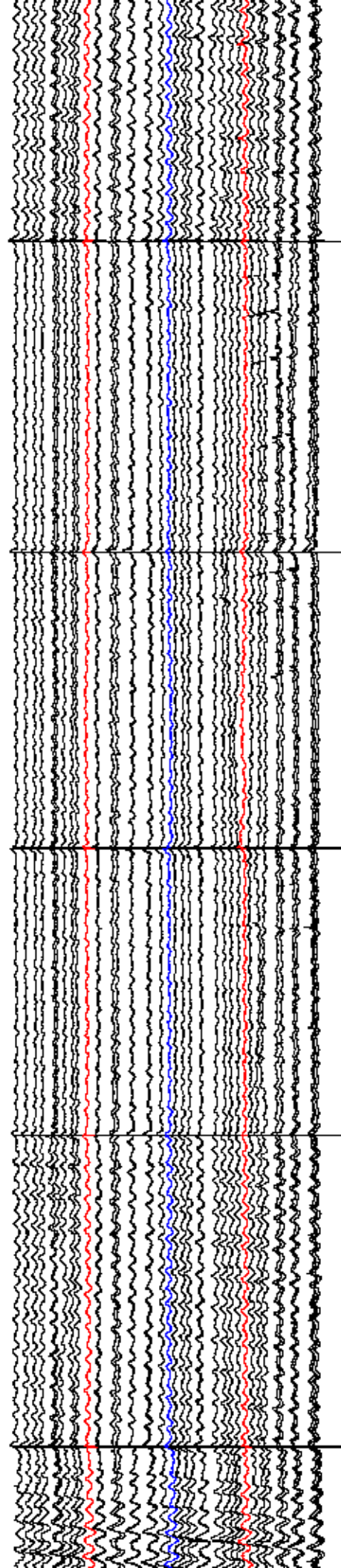
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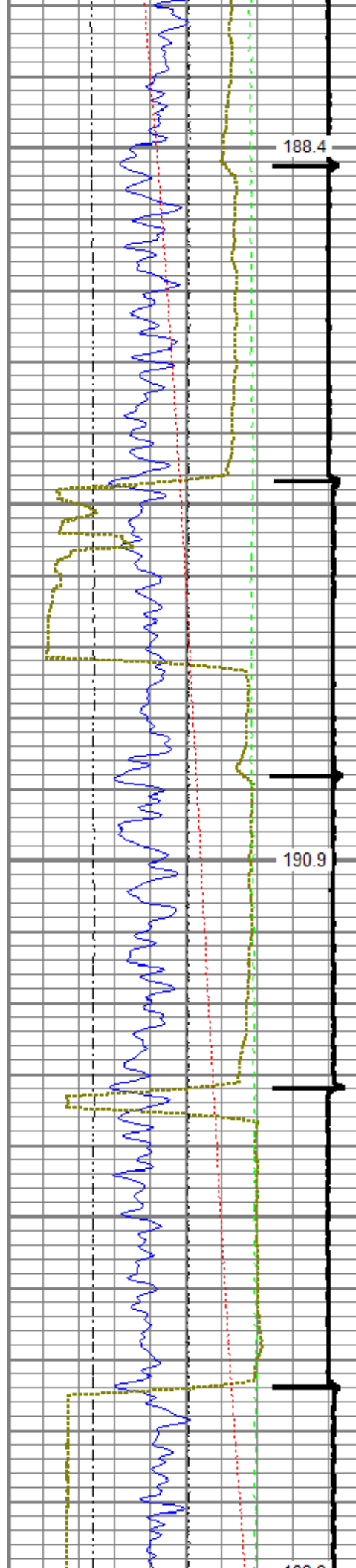




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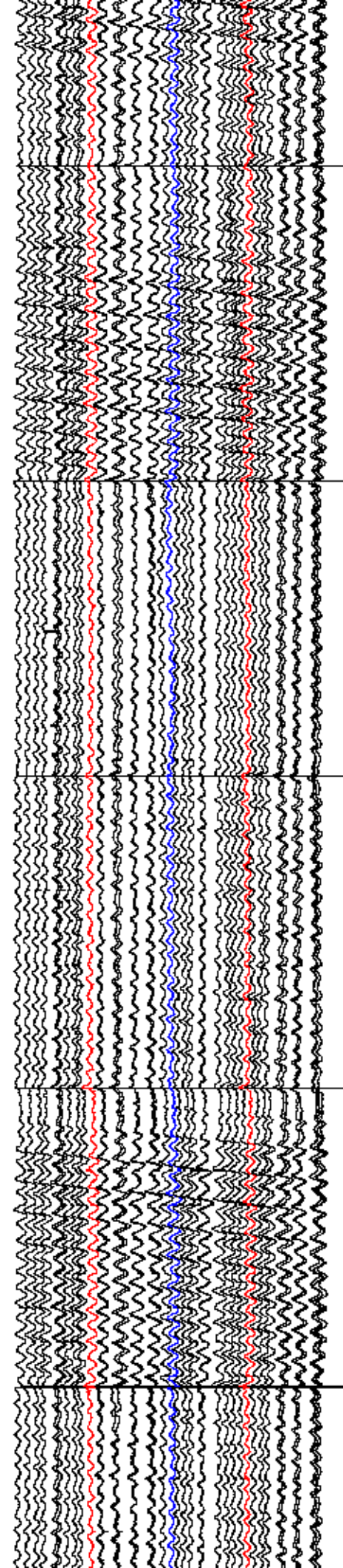
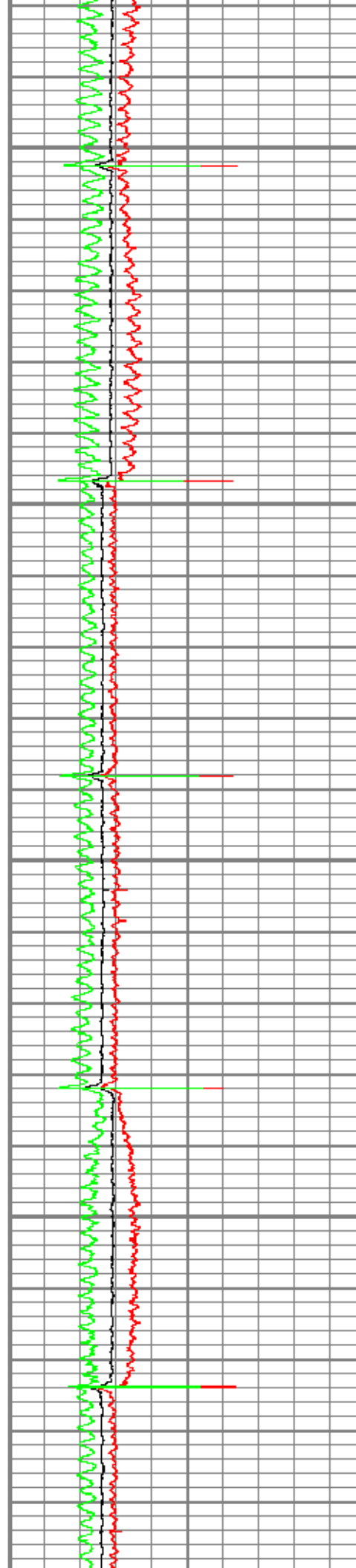
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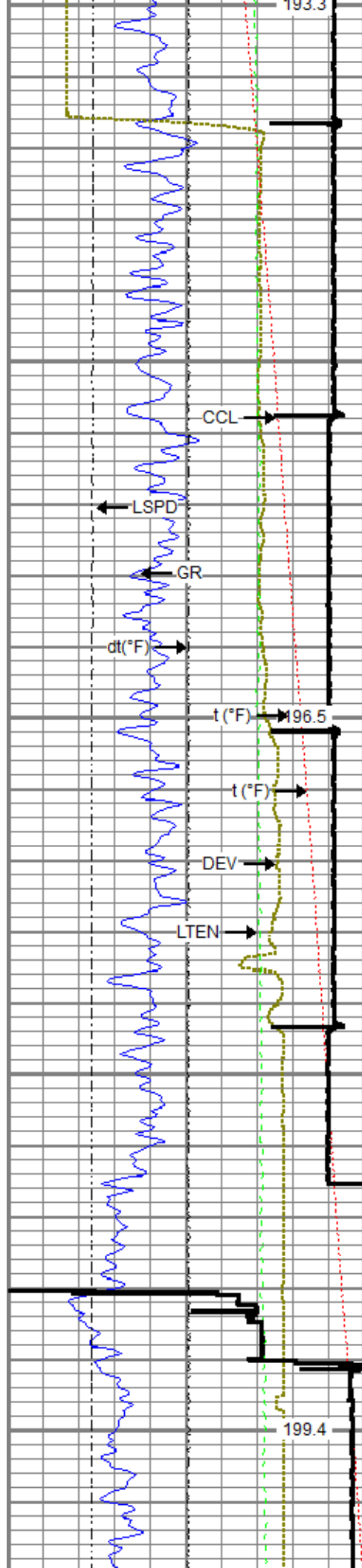




5900

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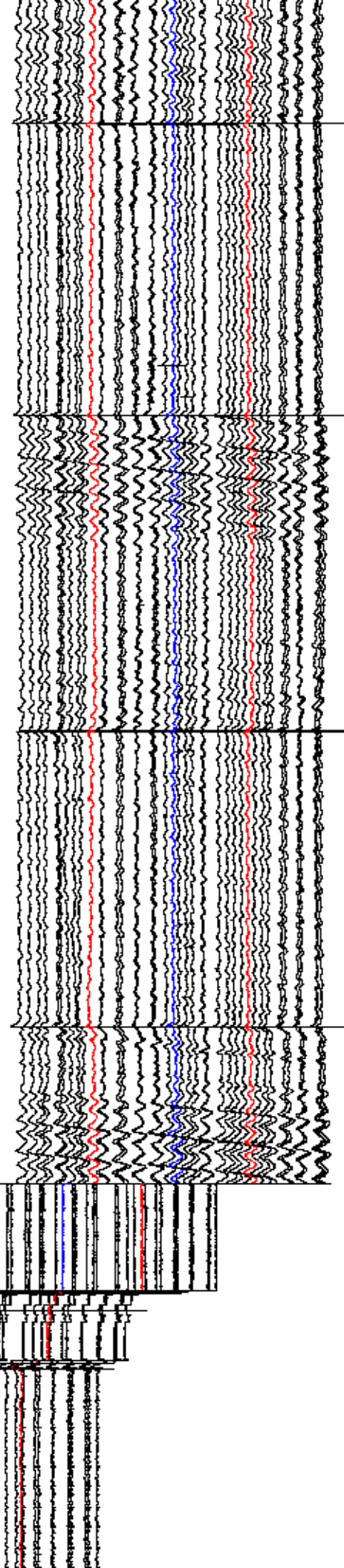
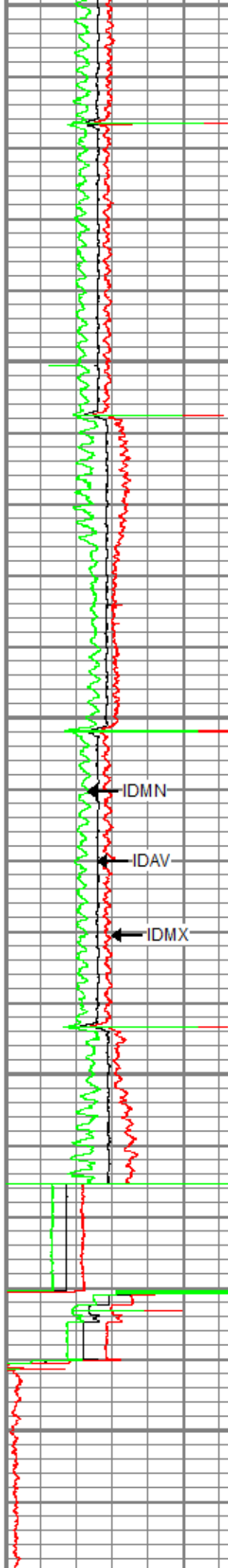


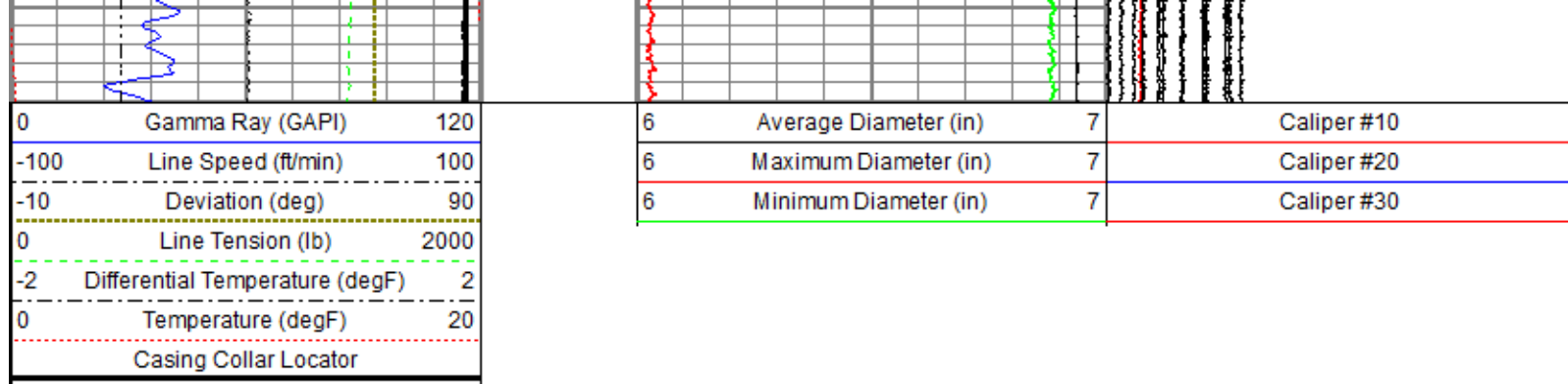
6100

6200

Liner Top

6300

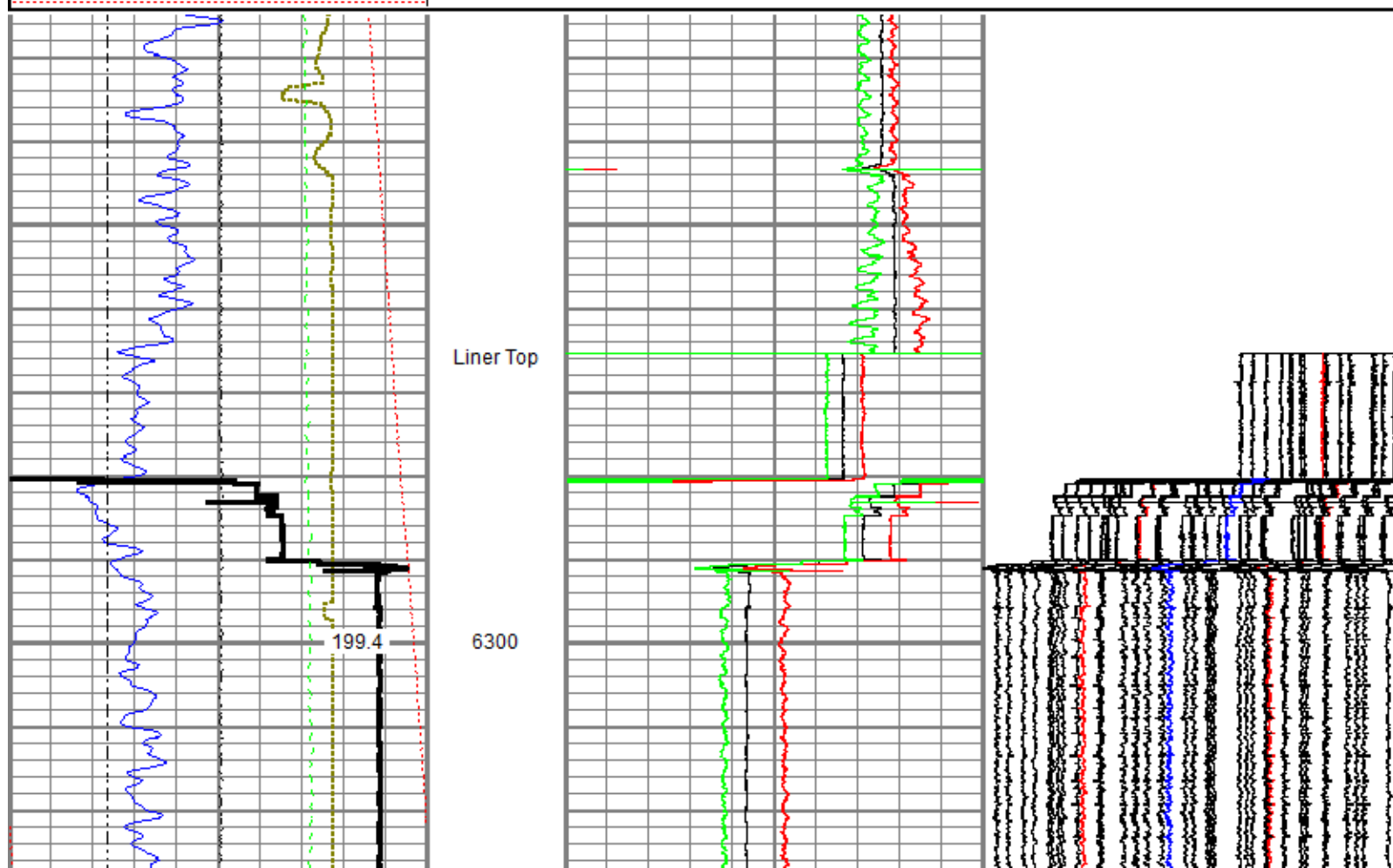
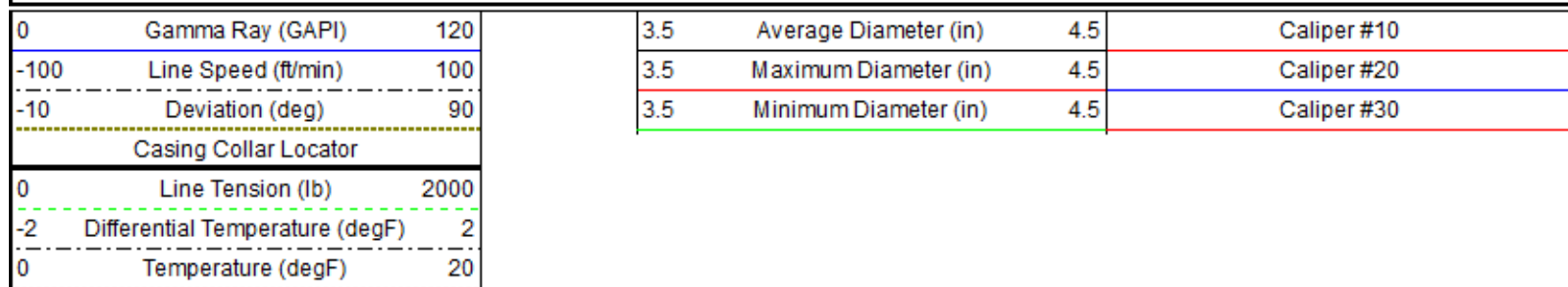


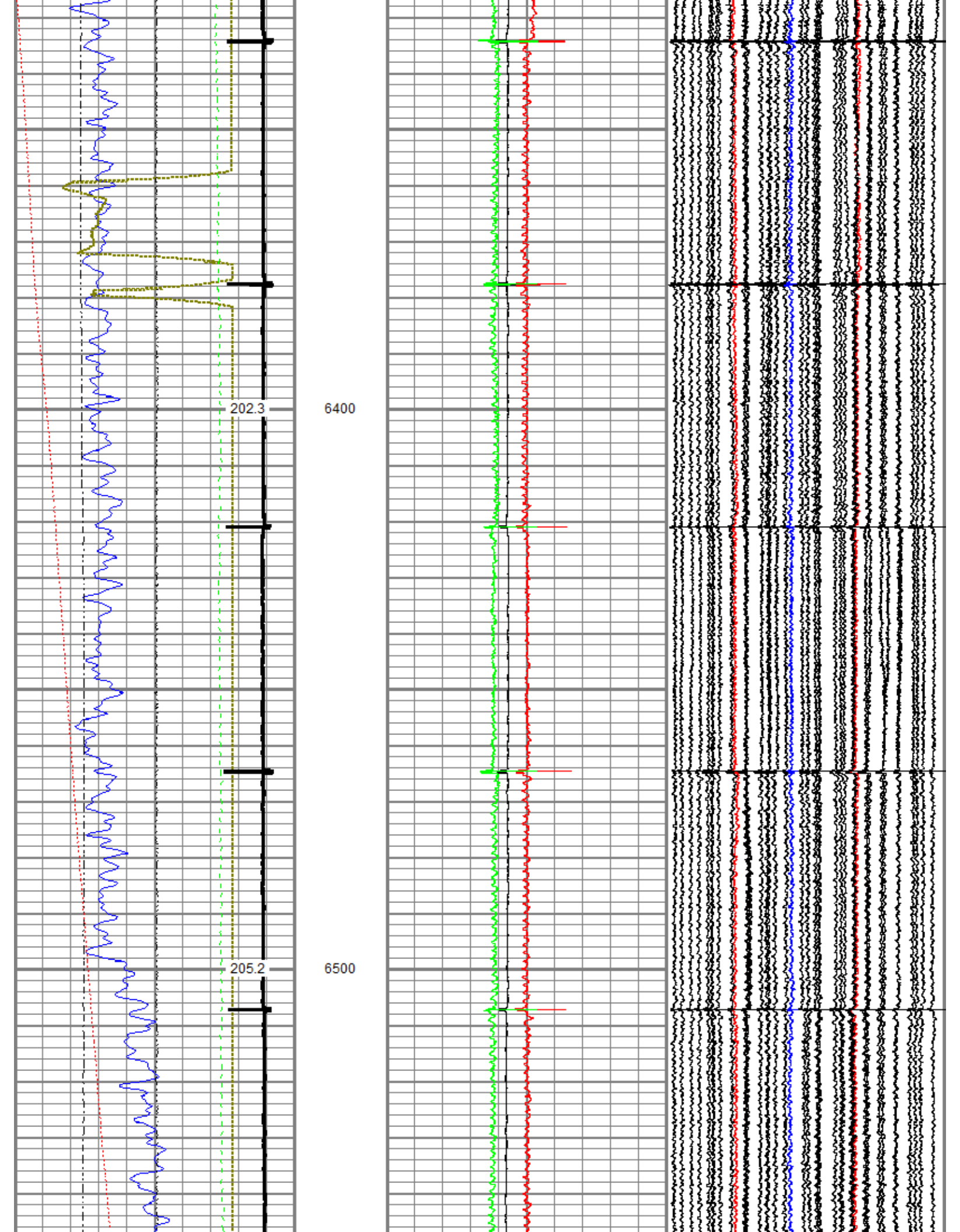


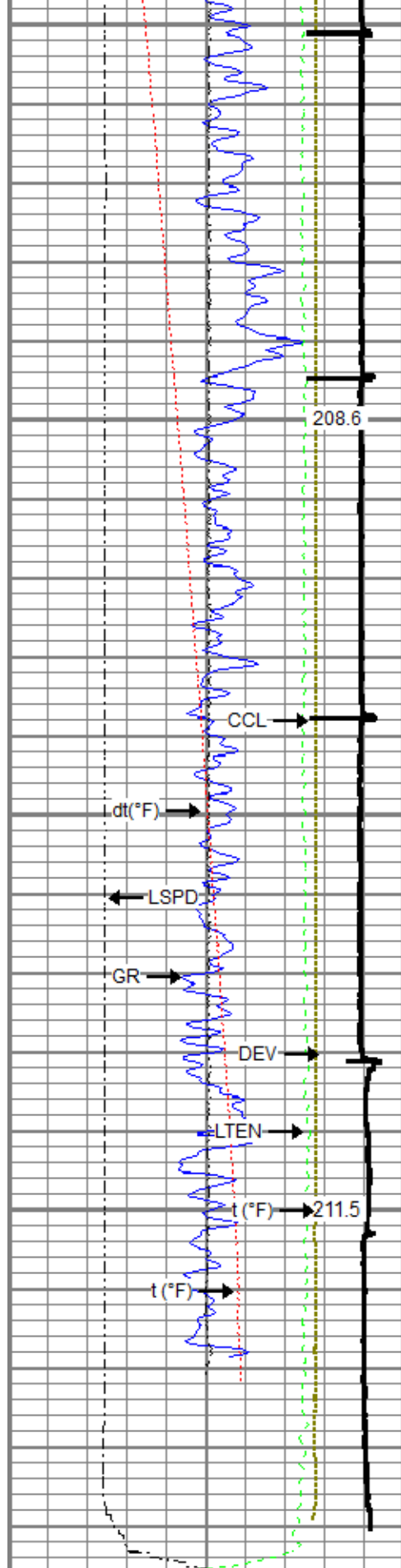
4.5" Main Pass

Recorded With 0 PSI Surface Induced Pressure

Database File: anadarko_baja berg 35-9hz\0512347569_anadarko_baja berg 35-9hz_mit_03-24-19.db
 Dataset Pathname: RCBL-MIT/pass5
 Presentation Format: ros_45mit40sx11.6_revised
 Dataset Creation: Sun Mar 24 08:28:53 2019
 Charted by: Depth in Feet scaled 1:240



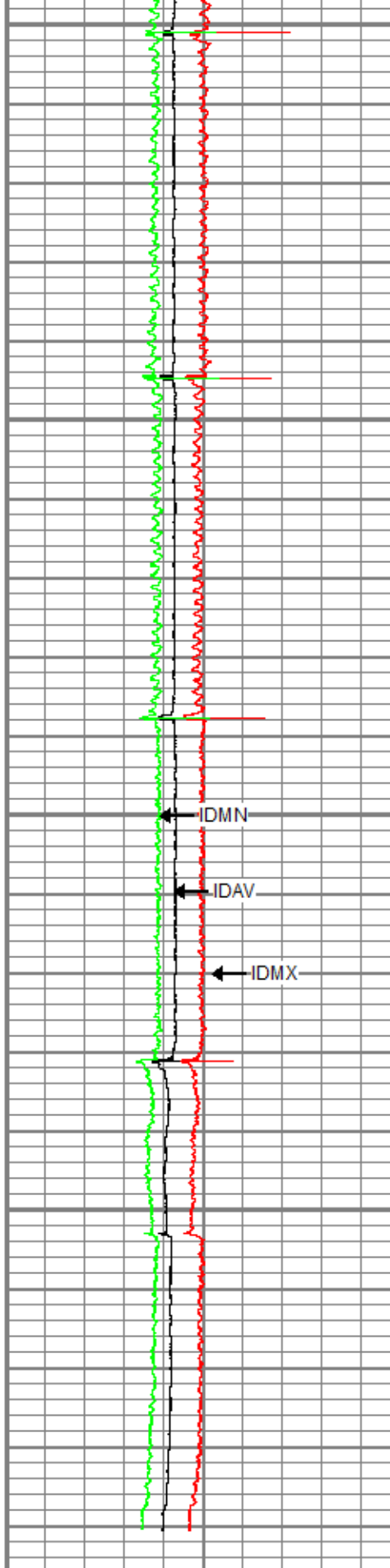




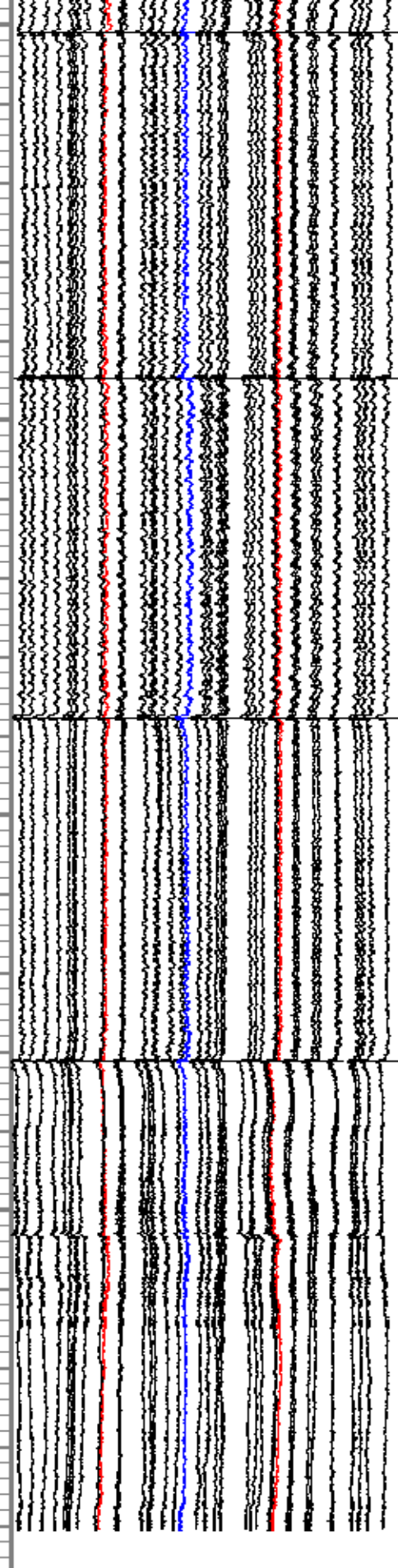
6600

6700

0	Gamma Ray (GAPI)	120
-100	Line Speed (ft/min)	100
-10	Deviation (deg)	90
Casing Collar Locator		
0	Line Tension (lb)	2000



3.5	Average Diameter (in)	4.5
3.5	Maximum Diameter (in)	4.5
3.5	Minimum Diameter (in)	4.5



Caliper #10
Caliper #20
Caliper #30

-2	Differential Temperature (degF)	2
0	Temperature (degF)	20



Repeat Pass

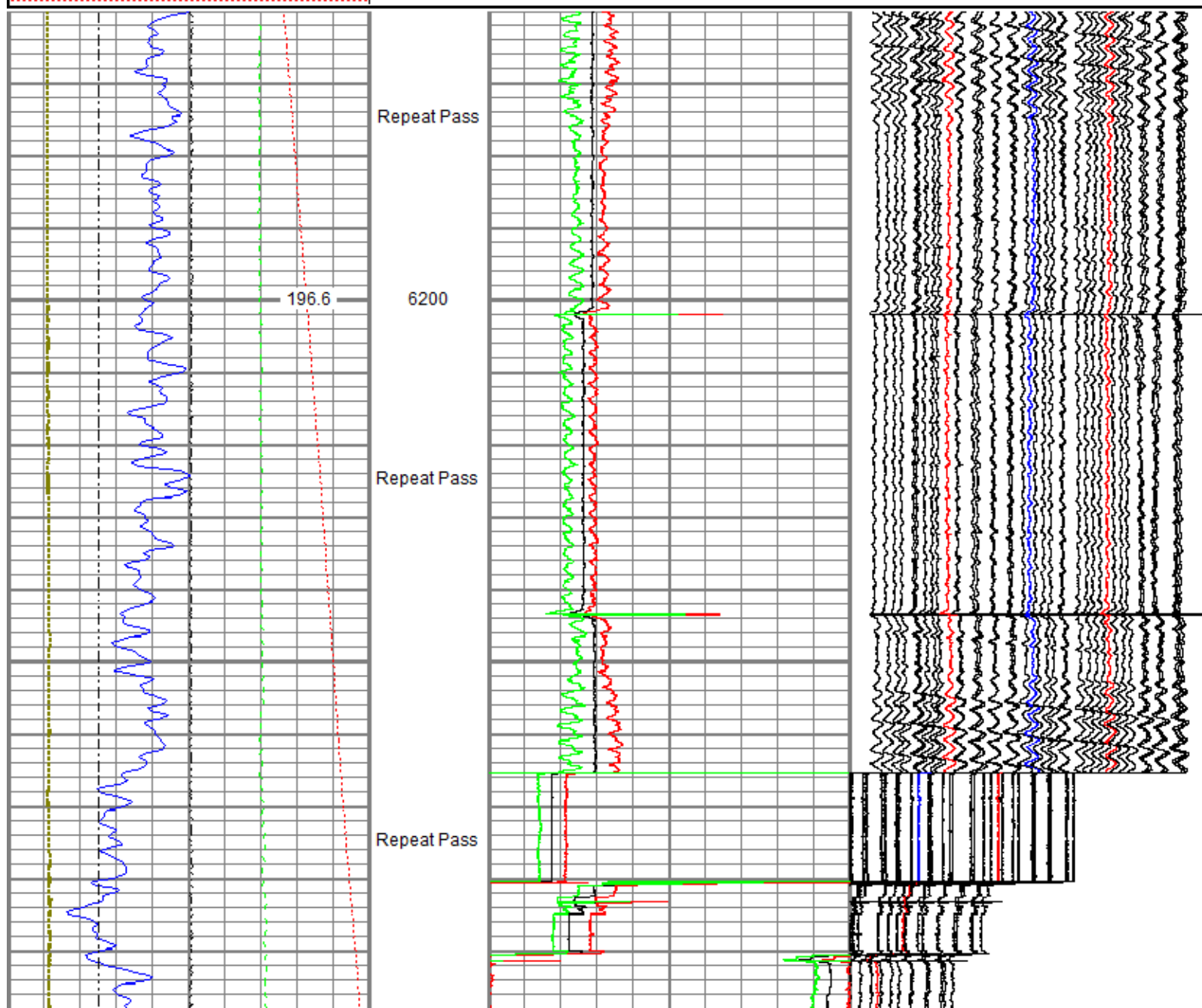
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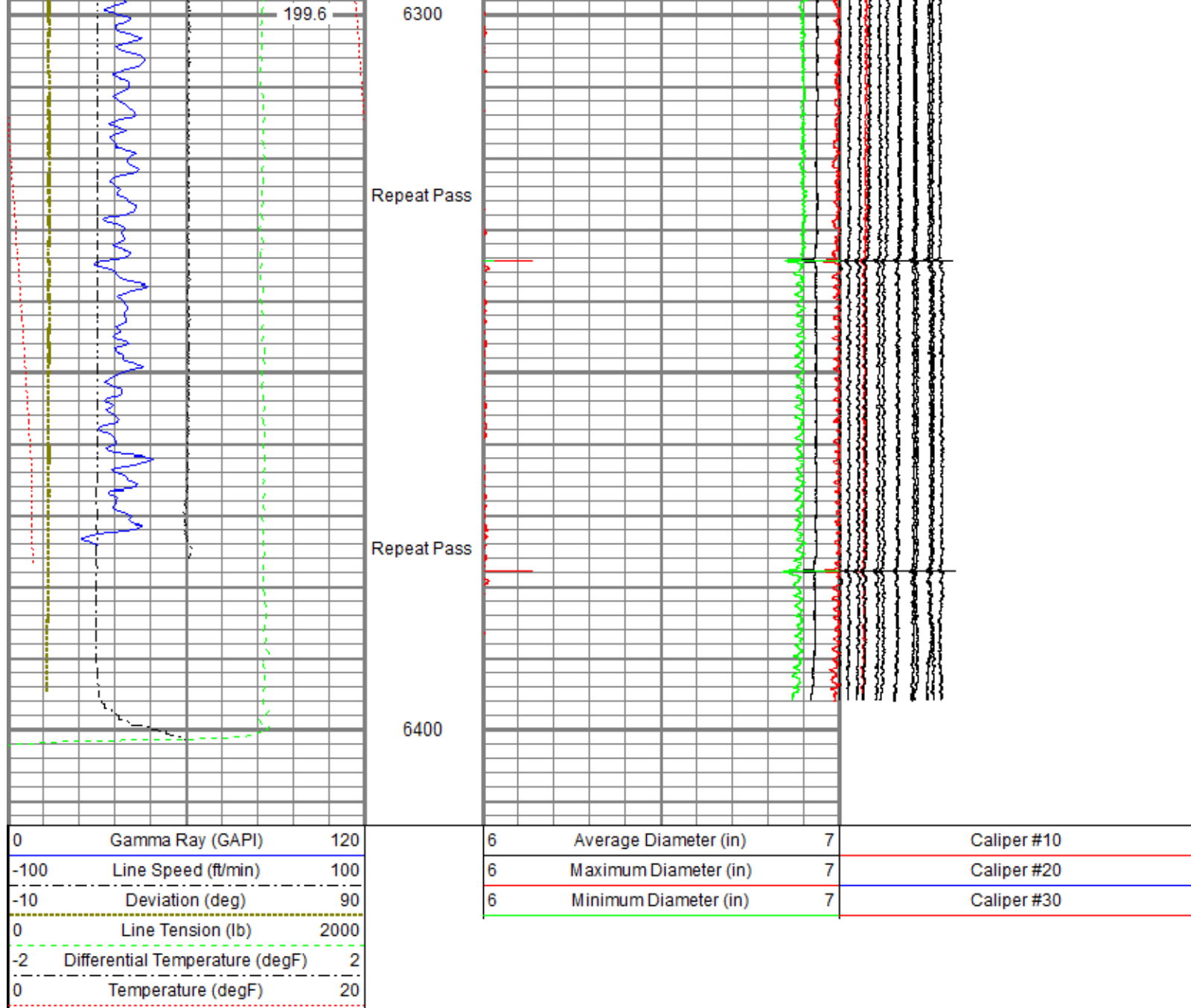
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Dataset Pathname RCBL-MIT/pass3
Presentation Format ros_70mit40sx
Dataset Creation Sun Mar 24 08:14:52 2019
Charted by Depth in Feet scaled 1:240


0	Gamma Ray (GAPI)	120
-100	Line Speed (ft/min)	100
-10	Deviation (deg)	90
0	Line Tension (lb)	2000
-2	Differential Temperature (degF)	2
0	Temperature (degF)	20

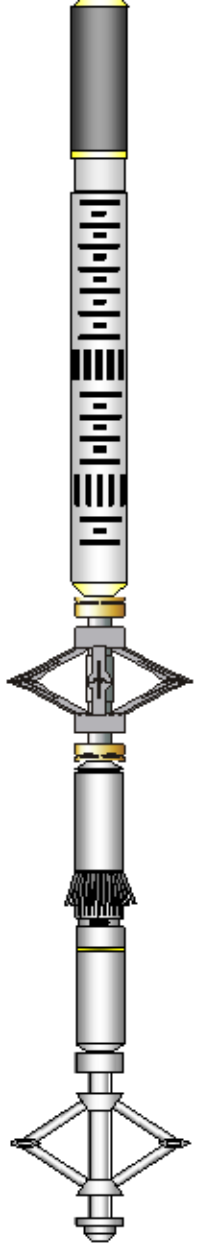
6	Average Diameter (in)	7
6	Maximum Diameter (in)	7
6	Minimum Diameter (in)	7

Caliper #10
Caliper #20
Caliper #30





Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	25.19		Titan CHD-14375 GO	1.03	1.44	3.60
			Titan 1-7/16" Assembled Electric Cable Head w/ 1" Fishing Neck			
			UW AGS-001 (211461)	0.21	1.69	1.00
Sondex 1-11/16" Ultrawire Adapter - GO Box to Sondex UW Pin						
UW XTU-002 (10017430)	1.58		1.69	6.50		
Sondex 1-11/16" Ultrawire Toolbus Crossover to Ultralink Telemetry						
UW PGR-020 (050836)	1.92		1.69	9.50		
Sondex 1-11/16" Ultrawire Production Gamma Ray						
UW PRT-016 (10024052)	1.04		1.69	5.20		
Sondex 1-11/16" Ultrawire Platinum Resistance Thermometer						
UW CCL-028 (10009470)	1.61		3.13	36.00		
Sondex 3-1/8" Ultrawire Casing Collar Locator						
UW CENT-DSS RAC	2.55		2.75	32.00		
5 Arm 2-3/4" Roller Centralizer						

CBLROT	15.15		UW RBT-004 (10012639) Sondex 3-1/8" Ultrawire Radial Bond Tool	9.48	3.13	140.00
CBLTEMP	15.15					
WVFS8	15.15					
WVFS7	15.15					
WVFS6	15.15					
WVFS5	15.15					
WVFS4	15.15					
WVFS3	15.15					
WVFS2	15.15					
WVFS1	15.15					
WVF3FT	15.15					
WVF5FT	14.15					
CBLTEMP	10.02					
MIT	5.27		UW CENT-DSS RAC 5 Arm 2-3/4" Roller Centralizer	2.55	2.75	32.00
			UW MIT-40 042 E (10014703) Sondex 2-3/4" Ultrawire 40-Arm Multifinger Imaging Tool Ext.	4.54	2.75	65.00
			UW CENT-PRC 057 4 Arm 2-3/4" Production Roller Centralizer	2.71	2.75	32.00
TSTAMP	0.00		UW BUL-006 (031422) Sondex 1-11/16" Ultrawire Bullnose Terminator Sub	0.22	1.69	1.20
Dataset: 0512347569_Anadarko_Baja Berg 35-9HZ_MIT_03-24-19.db: field/well/RCBL-MIT/pass5 Total length: 29.44 ft Total weight: 364.00 lb O.D.: 3.13 in						

Calibration Report			
Database File	C:\ProgramData\Warrior\Data\Anadarko_Baja Berg 35-9HZ\0512347569_Anadarko_Baja Berg 35-9HZ_MIT_03-24-19.db		
Dataset Pathname	RCBL-MIT/pass6		
Dataset Creation	Sun Mar 24 10:44:58 2019		
Multifinger Imaging Tool Calibration Report			
Serial Number:		10014703	
Number of Fingers:		40	
Tool Model:		40 042 E	
Inclinometer Calibration Report			
Performed:		Fri Dec 14 08:43:47 2018	
Calibration Angle:		45	
		Inc X	Inc Y
Vertical:		1976	1969
Finger 1 up:		1767	1739
Finger 31 up:		2209	1752
Finger 21 up:		2192	2204
Finger 11 up:		1740	2184
Sensitivity ratio:	0.997187		

Finger Calibration Report

Performed:

Sun Mar 24 07:14:34 2019

Ring size: (in)	4	Sens	5	Sens	6	Sens	7
Finger 01:	1457	276.0	1733	284.0	2017	296.0	2313
Finger 02:	1461	271.0	1732	278.0	2010	287.0	2297
Finger 03:	1524	259.0	1783	260.0	2043	265.0	2308
Finger 04:	1404	285.0	1689	301.0	1990	313.0	2303
Finger 05:	1508	252.0	1760	261.0	2021	270.0	2291
Finger 06:	1447	272.0	1719	285.0	2004	298.0	2302
Finger 07:	1481	265.0	1746	276.0	2022	286.0	2308
Finger 08:	1443	271.0	1714	288.0	2002	304.0	2306
Finger 09:	1477	265.0	1742	284.0	2026	293.0	2319
Finger 10:	1434	277.0	1711	292.0	2003	303.0	2306
Finger 11:	1155	353.0	1508	390.0	1898	409.0	2307
Finger 12:	1500	259.0	1759	278.0	2037	287.0	2324
Finger 13:	1507	252.0	1759	273.0	2032	285.0	2317
Finger 14:	1536	249.0	1785	273.0	2058	276.0	2334
Finger 15:	1533	250.0	1783	268.0	2051	276.0	2327
Finger 16:	1488	269.0	1757	292.0	2049	304.0	2353
Finger 17:	1557	244.0	1801	263.0	2064	273.0	2337
Finger 18:	1495	264.0	1759	288.0	2047	301.0	2348
Finger 19:	1540	254.0	1794	274.0	2068	281.0	2349
Finger 20:	1537	256.0	1793	275.0	2068	284.0	2352
Finger 21:	1469	278.0	1747	302.0	2049	316.0	2365
Finger 22:	1468	283.0	1751	300.0	2051	309.0	2360
Finger 23:	1483	282.0	1765	298.0	2063	308.0	2371
Finger 24:	1525	260.0	1785	278.0	2063	290.0	2353
Finger 25:	1463	289.0	1752	305.0	2057	320.0	2377
Finger 26:	1471	279.0	1750	299.0	2049	312.0	2361
Finger 27:	1552	263.0	1815	269.0	2084	281.0	2365
Finger 28:	1515	269.0	1784	285.0	2069	298.0	2367
Finger 29:	1522	276.0	1798	279.0	2077	292.0	2369
Finger 30:	1484	278.0	1762	294.0	2056	306.0	2362
Finger 31:	1492	274.0	1766	287.0	2053	300.0	2353
Finger 32:	1455	287.0	1742	304.0	2046	316.0	2362
Finger 33:	1456	280.0	1736	296.0	2032	305.0	2337
Finger 34:	1482	273.0	1755	285.0	2040	297.0	2337
Finger 35:	1444	284.0	1728	299.0	2027	308.0	2335
Finger 36:	1495	272.0	1767	281.0	2048	294.0	2342
Finger 37:	1448	284.0	1732	293.0	2025	306.0	2331
Finger 38:	1460	274.0	1734	281.0	2015	296.0	2311
Finger 39:	1406	292.0	1698	304.0	2002	322.0	2324
Finger 40:	1443	276.0	1719	286.0	2005	300.0	2305

Post Survey Calibration Check

Performed:

Sun Mar 24 10:41:21 2019

Ring size: (in)	4	Nom. wear	5	Nom. wear	6	Nom. wear	7	Nom. wear
Finger 01:	4.006	0.003	5.001	0.000	6.000	-0.000	7.003	0.001
Finger 02:	4.000	-0.000	4.993	-0.003	5.997	-0.001	7.005	0.002
Finger 03:	4.004	0.002	5.003	0.002	5.999	-0.001	7.006	0.003
Finger 04:	4.015	0.008	5.007	0.004	6.000	-0.000	6.989	-0.005
Finger 05:	4.008	0.004	5.002	0.001	6.011	0.006	7.021	0.010
Finger 06:	4.015	0.008	5.003	0.001	6.005	0.002	6.993	-0.003
Finger 07:	4.008	0.004	5.002	0.001	5.996	-0.002	6.985	-0.007
Finger 08:	4.013	0.007	5.002	0.001	5.993	-0.003	6.976	-0.012
Finger 09:	3.999	-0.001	4.987	-0.007	5.994	-0.003	6.998	-0.001
Finger 10:	4.007	0.003	5.001	0.000	6.009	0.004	7.004	0.002
Finger 11:	4.019	0.010	5.027	0.014	6.007	0.004	6.989	-0.005
Finger 12:	3.999	-0.000	4.997	-0.001	5.990	-0.005	6.985	-0.008
Finger 13:	4.005	0.003	4.997	-0.002	5.993	-0.004	6.985	-0.007
Finger 14:	3.996	-0.002	4.994	-0.003	5.980	-0.010	6.991	-0.005
Finger 15:	4.007	0.004	5.002	0.001	5.995	-0.003	7.003	0.002
Finger 16:	4.008	0.004	4.997	-0.002	5.996	-0.002	6.986	-0.007
Finger 17:	4.015	0.007	5.012	0.006	6.007	0.004	7.012	0.006
Finger 18:	3.992	-0.004	4.994	-0.003	6.001	0.000	7.000	0.000
Finger 19:	4.007	0.004	5.002	0.001	6.002	0.001	7.009	0.005

Finger 20:	3.999	-0.001	5.006	0.003	6.004	0.002	6.999	-0.001
Finger 21:	4.025	0.013	5.019	0.009	6.006	0.003	6.989	-0.005
Finger 22:	4.004	0.002	4.980	-0.010	6.000	0.000	7.005	0.003
Finger 23:	4.016	0.008	5.001	0.001	6.000	-0.000	6.988	-0.006
Finger 24:	4.005	0.003	5.004	0.002	6.001	0.001	6.999	-0.001
Finger 25:	4.004	0.002	4.978	-0.011	5.989	-0.006	6.987	-0.006
Finger 26:	4.016	0.008	5.019	0.010	6.004	0.002	6.987	-0.007
Finger 27:	4.003	0.001	4.989	-0.005	5.999	-0.000	7.006	0.003
Finger 28:	4.005	0.002	5.008	0.004	6.002	0.001	6.998	-0.001
Finger 29:	4.023	0.011	4.997	-0.001	6.003	0.001	7.002	0.001
Finger 30:	4.008	0.004	5.014	0.007	6.002	0.001	6.994	-0.003
Finger 31:	3.996	-0.002	4.998	-0.001	5.997	-0.001	6.997	-0.001
Finger 32:	3.633	-0.183	3.749	-0.625	3.853	-1.074	3.861	-1.569
Finger 33:	4.000	0.000	5.001	0.001	5.992	-0.004	6.989	-0.005
Finger 34:	4.011	0.005	5.004	0.002	5.994	-0.003	6.993	-0.003
Finger 35:	3.998	-0.001	5.002	0.001	5.993	-0.003	6.991	-0.004
Finger 36:	4.013	0.006	5.005	0.003	6.006	0.003	6.997	-0.002
Finger 37:	4.007	0.004	4.998	-0.001	5.993	-0.003	6.994	-0.003
Finger 38:	4.014	0.007	5.007	0.004	6.007	0.004	7.005	0.003
Finger 39:	4.017	0.008	5.007	0.003	6.002	0.001	6.989	-0.005
Finger 40:	3.995	-0.002	4.994	-0.003	5.996	-0.002	6.993	-0.003
Average:	3.998	-0.001	4.970	-0.015	5.945	-0.027	6.918	-0.041

Segmented Cement Bond Log Calibration Report						
Serial Number:		10012639				
Tool Model:		004				
Calibration Casing Diameter:		7.000	in			
Calibration Depth:		305.118	ft			
Master Calibration, performed Sat Feb 06 13:28:33 2016:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	-0.002	0.773	0.800	71.921	91.773	0.981
5FT	-0.003	0.768	0.800	71.921	92.202	1.088
S1	-0.002	0.769	0.000	100.000	129.687	0.251
S2	-0.003	0.788	0.000	100.000	126.430	0.399
S3	-0.003	0.788	0.000	100.000	126.434	0.431
S4	-0.003	0.788	0.000	100.000	126.300	0.433
S5	-0.002	0.776	0.000	100.000	128.498	0.255
S6	-0.003	0.765	0.000	100.000	130.109	0.417
S7	-0.003	0.750	0.000	100.000	132.795	0.360
S8	-0.002	0.755	0.000	100.000	132.040	0.315

Temperature Calibration Report					
Serial Number:			10024052		
Tool Model:			016		
Performed:			Mon Oct 01 10:54:16 2018		
Point #	Reading		Reference		
1	12242.00	cps	68.00	degF	
2	18329.00	cps	104.00	degF	
3	29563.00	cps	176.00	degF	
4	41222.00	cps	248.00	degF	
5	52988.00	cps	320.00	degF	
6	58824.00	cps	356.00	degF	
7		cps		degF	
8		cps		degF	
9		cps		degF	
10		cps		degF	

Gamma Ray Calibration Report	
Serial Number:	050836
Tool Model:	020

Performed:	Mon Oct 01 10:55:18 2018	
Calibrator Value:	637.0	GAPI
Background Reading:	78.8	cps
Calibrator Reading:	1069.9	cps
Sensitivity:	0.6427	GAPI/cps



Company	Kerr-McGee Oil & Gas Onshore, L.P.
Well	Baja Berg 35-9HZ
Field	Wattenberg
County	Weld
State	Colorado