

<<< 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 6388 FT Adjusted -9 FT to correlate with Liner Top Gauge Ring/Junk Basket ran to 7784 FT Retrievable Bridge Plug set at 6944 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!!



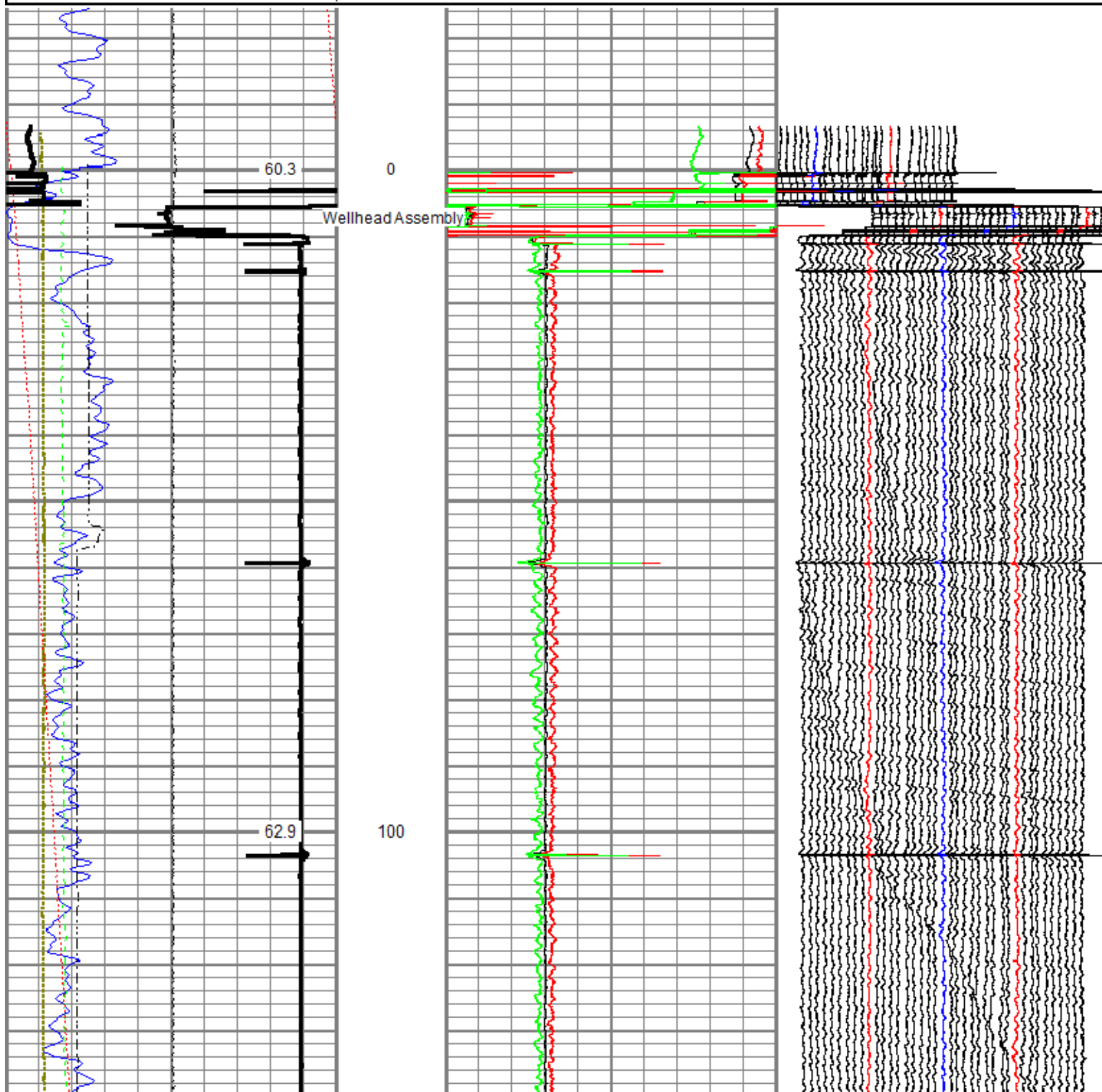
RELIANCE
OILFIELD SERVICES

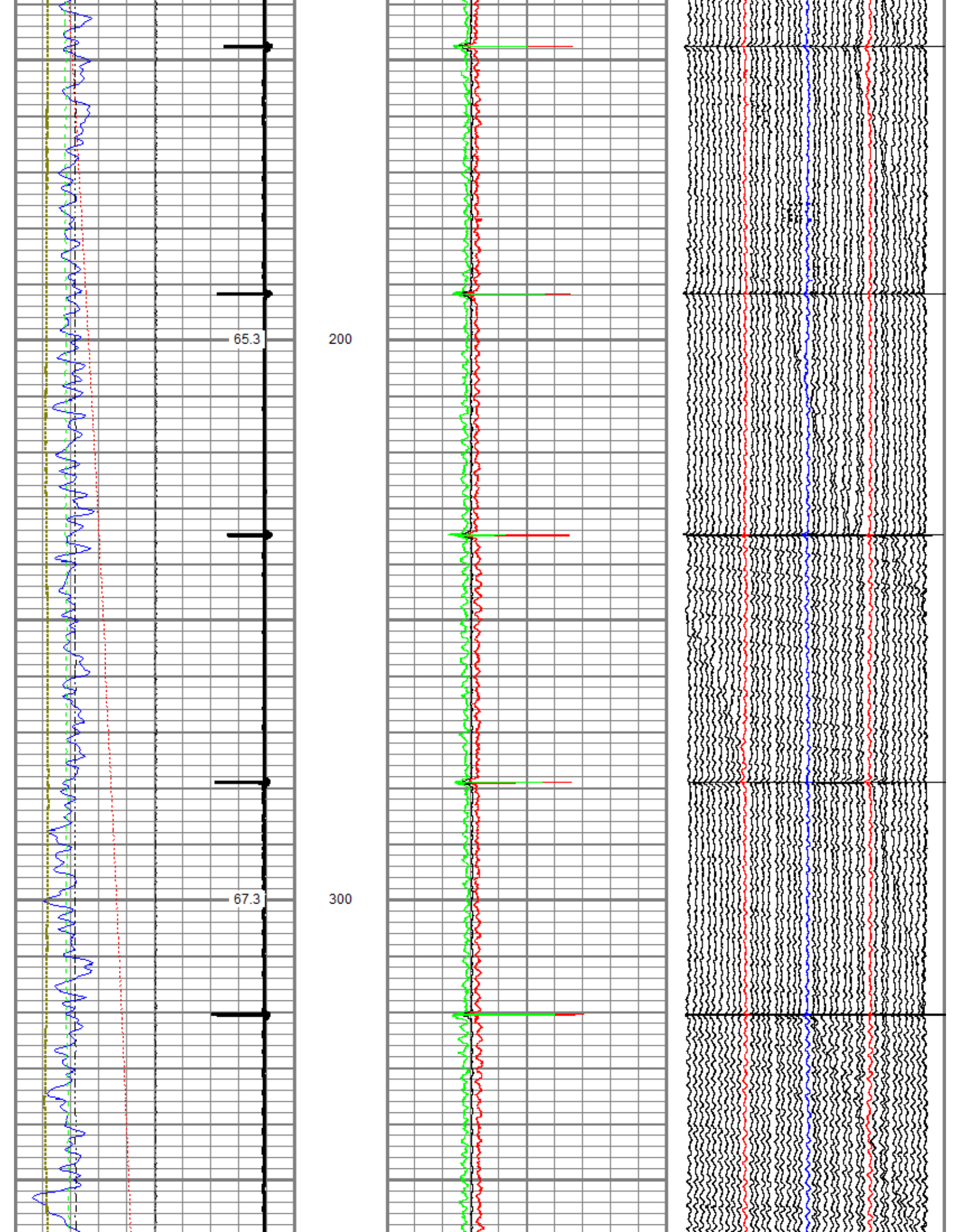
Recorded With A DSL Surface Induced Pressure

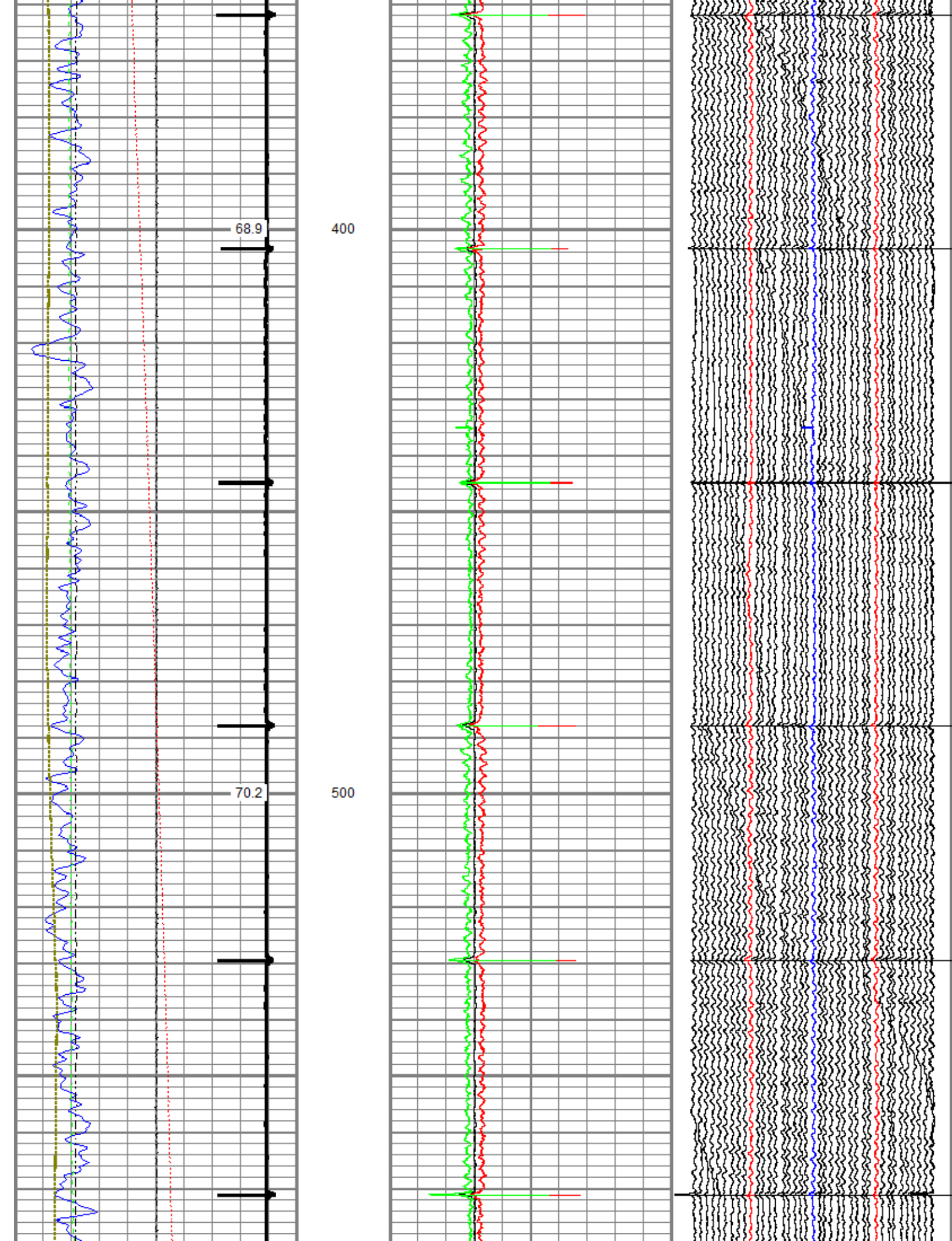
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Presentation Format	ros_70mit40sx
Dataset Creation	Mon Mar 25 11:08:32 2019
Charted by	Depth in Feet scaled 1:240

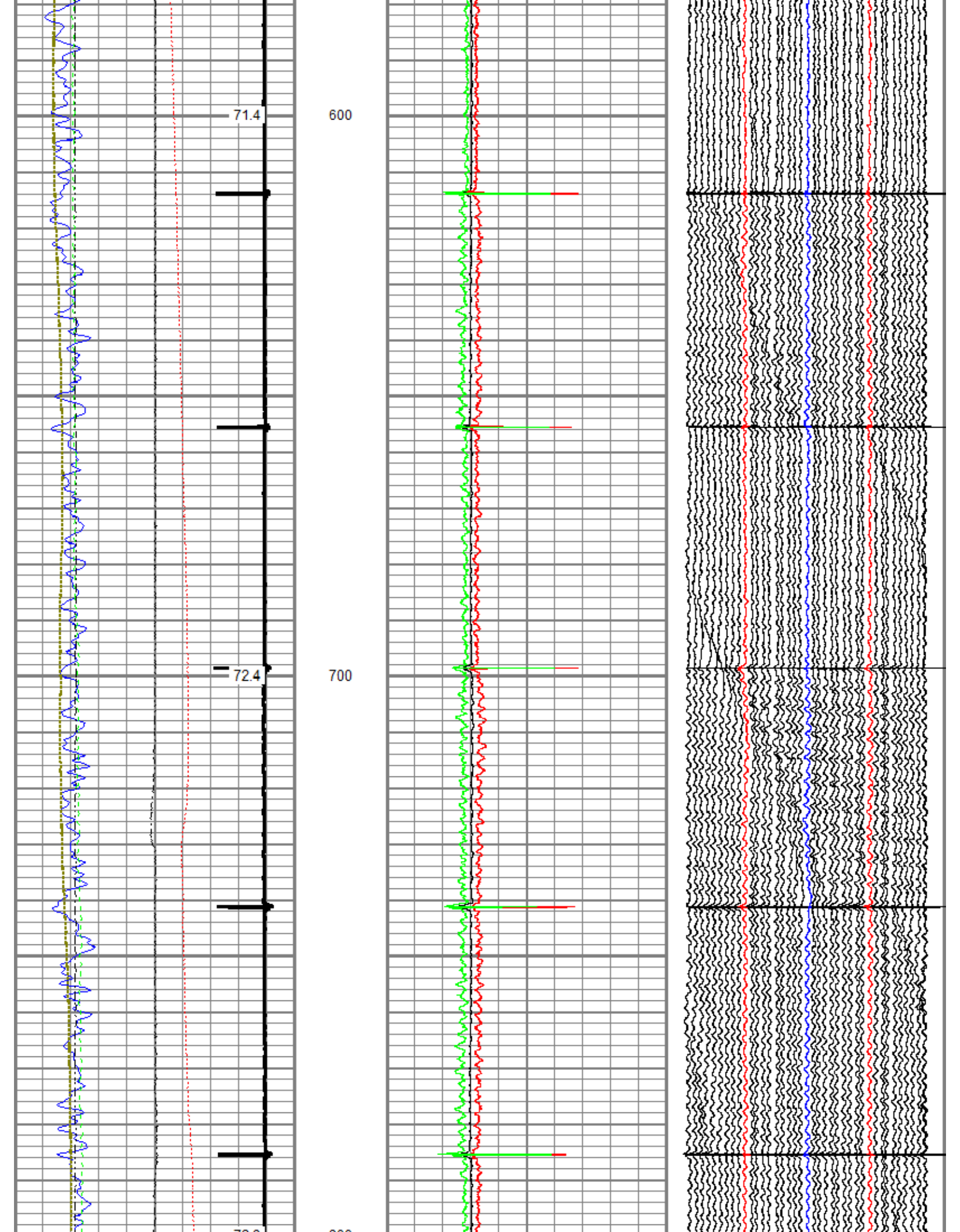
0	Gamma Ray (GAPI)	120
-100	Line Speed (ft/min)	100
-10	Deviation (deg)	90
0	Line Tension (lb)	2000
-2	Differential Temperature (degF)	2
0	Temperature (degF)	20
Casing Collar Locator		

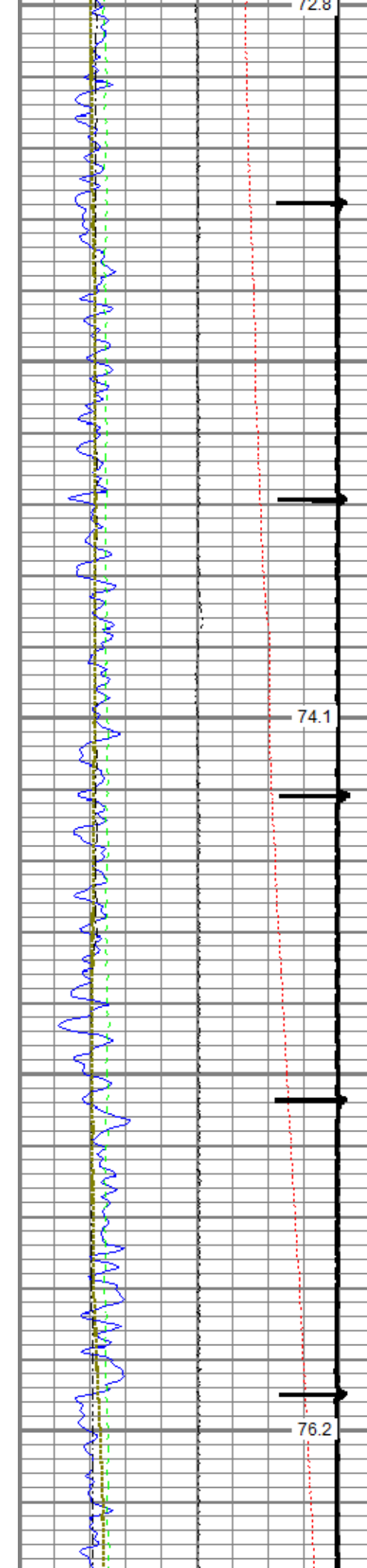
6	Average Diameter (in)	7	Caliper #10
6	Maximum Diameter (in)	7	Caliper #20
6	Minimum Diameter (in)	7	Caliper #30







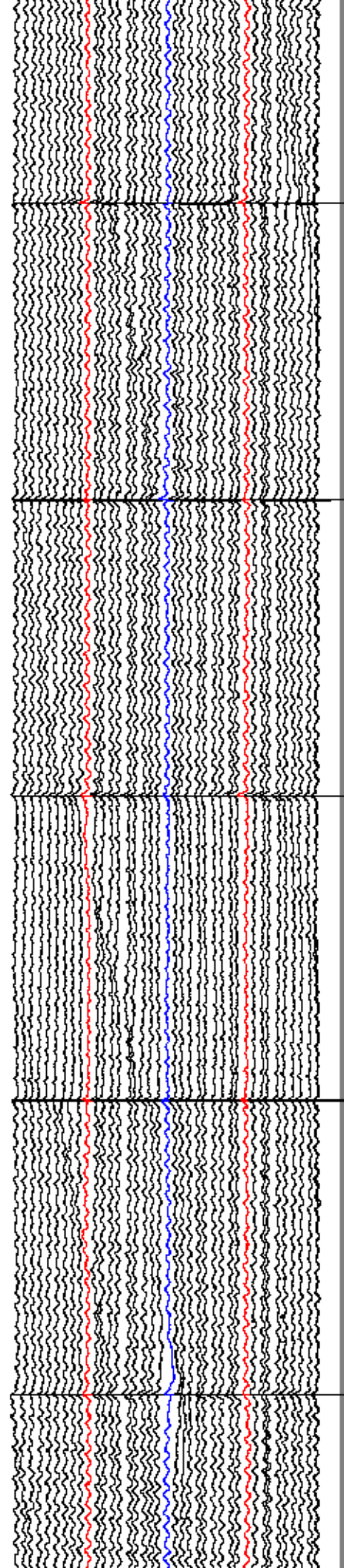
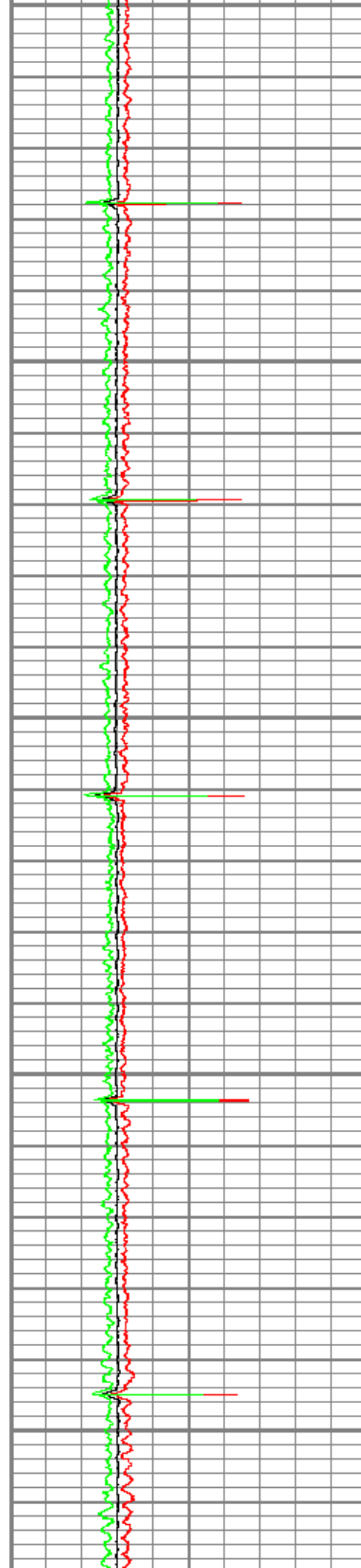


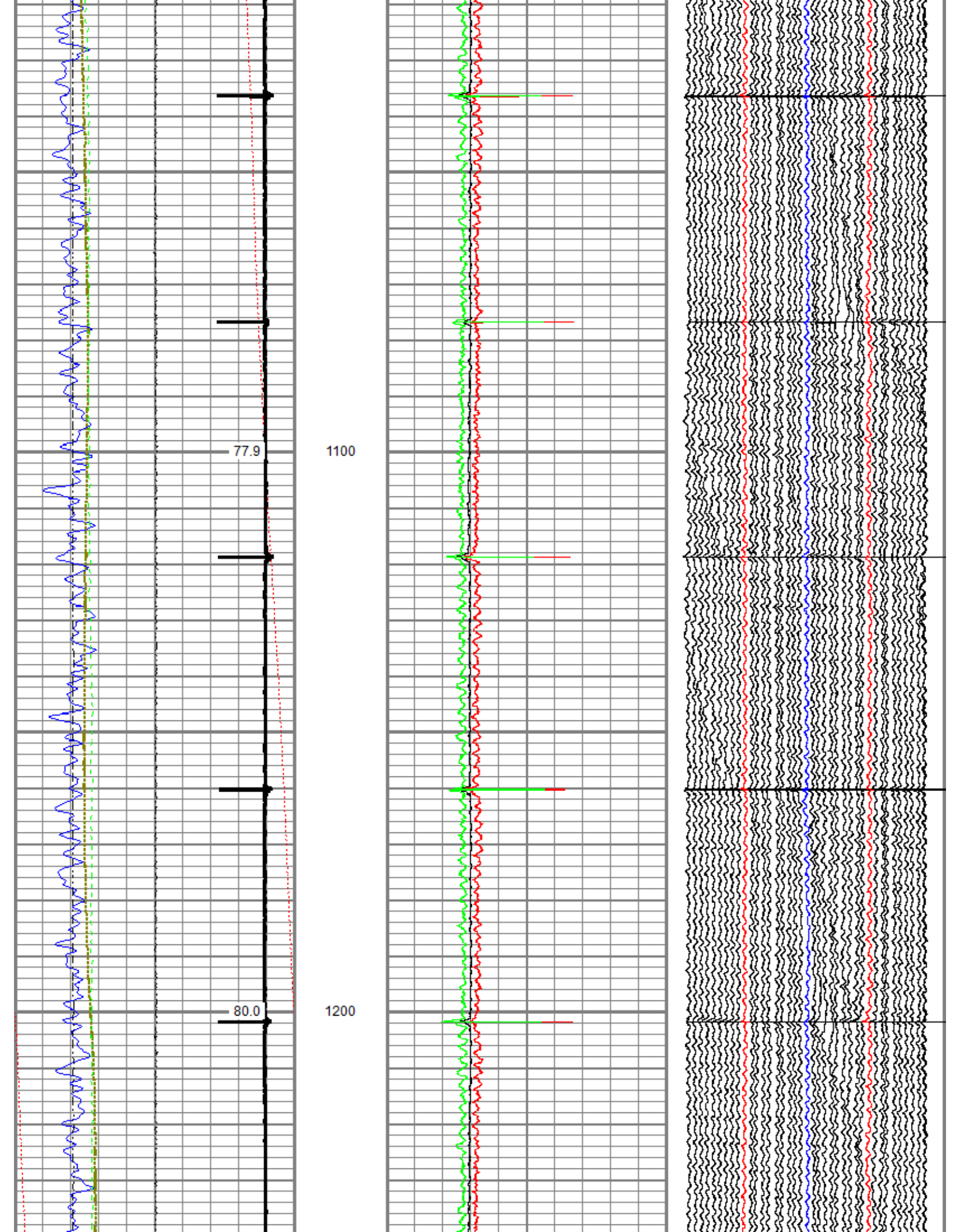


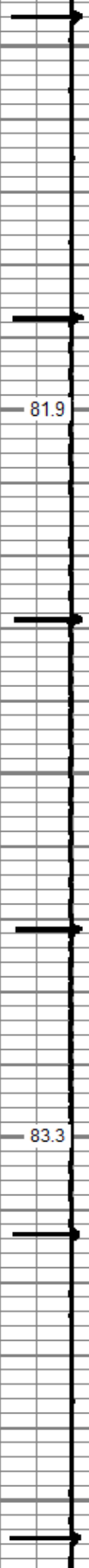
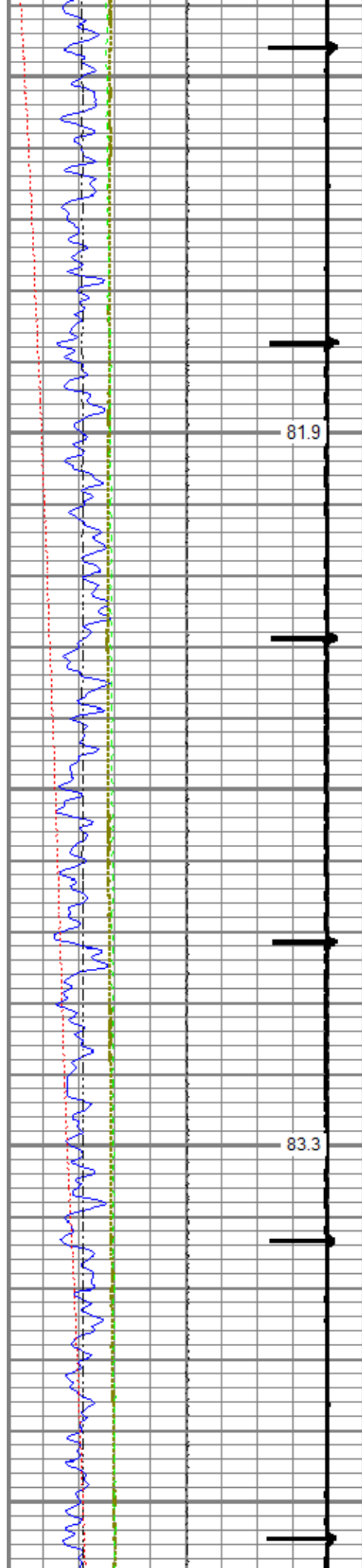
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900

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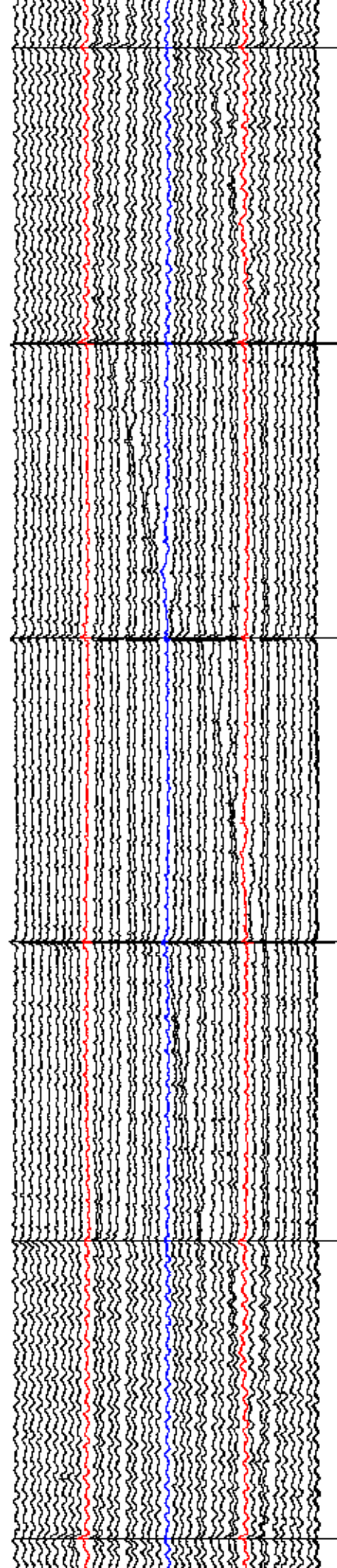
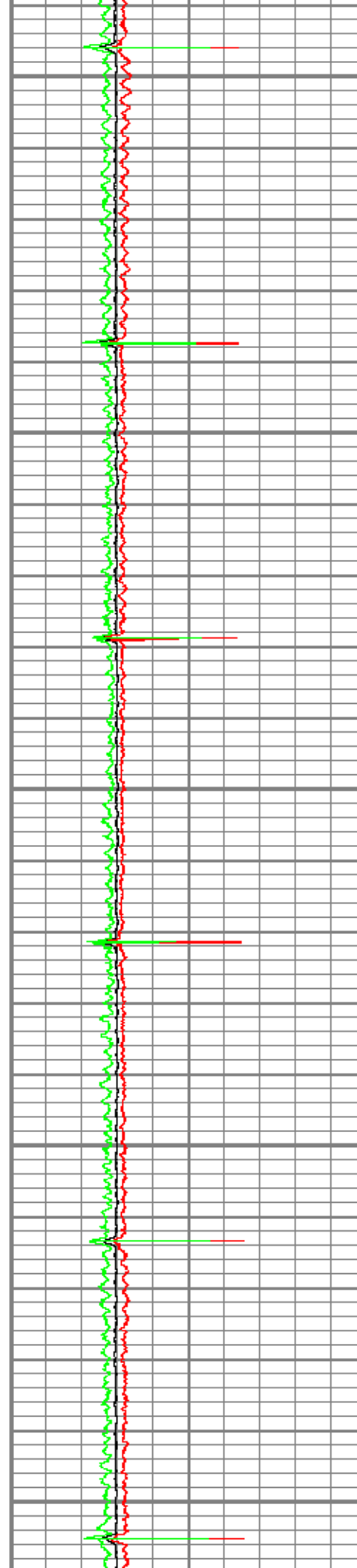


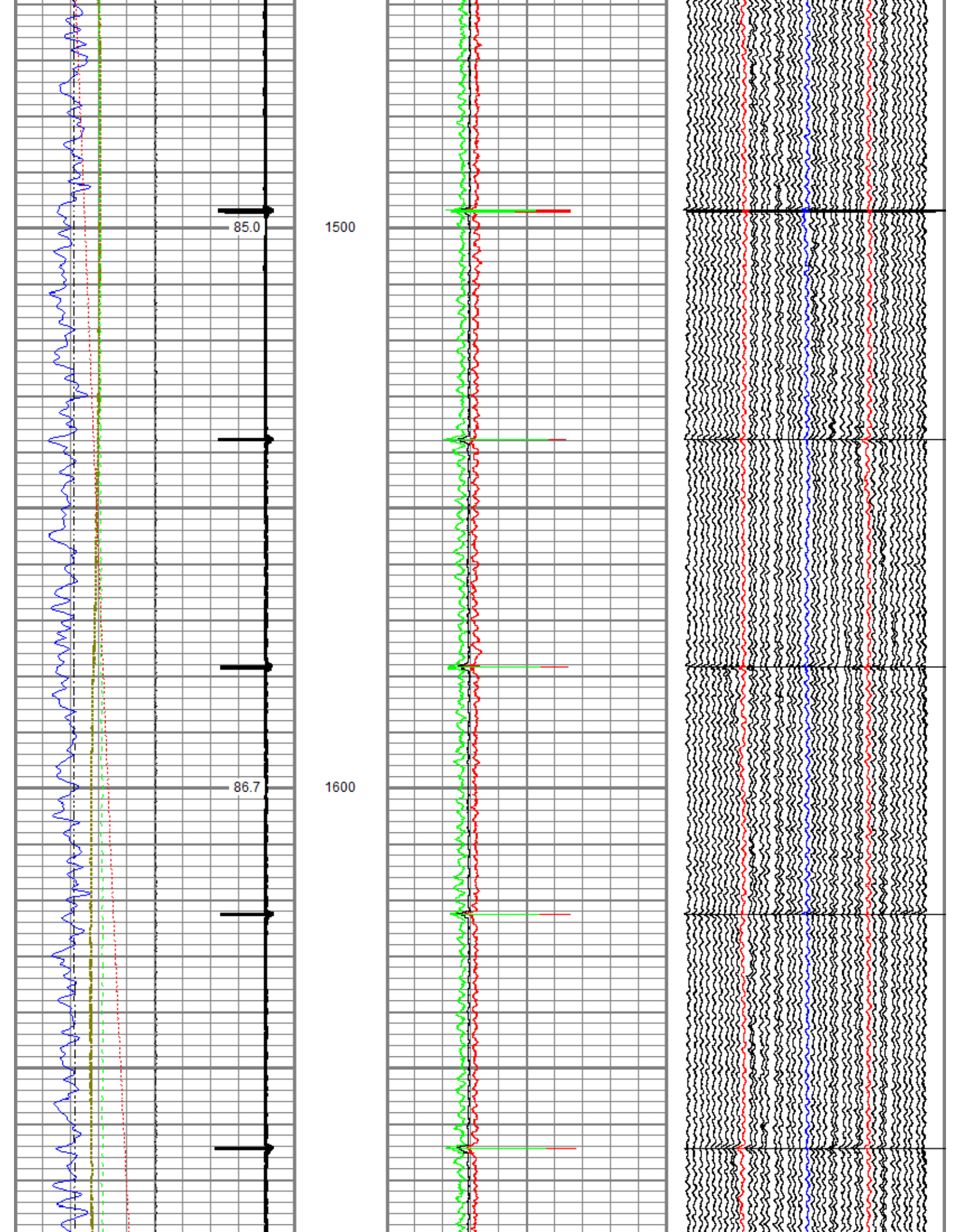


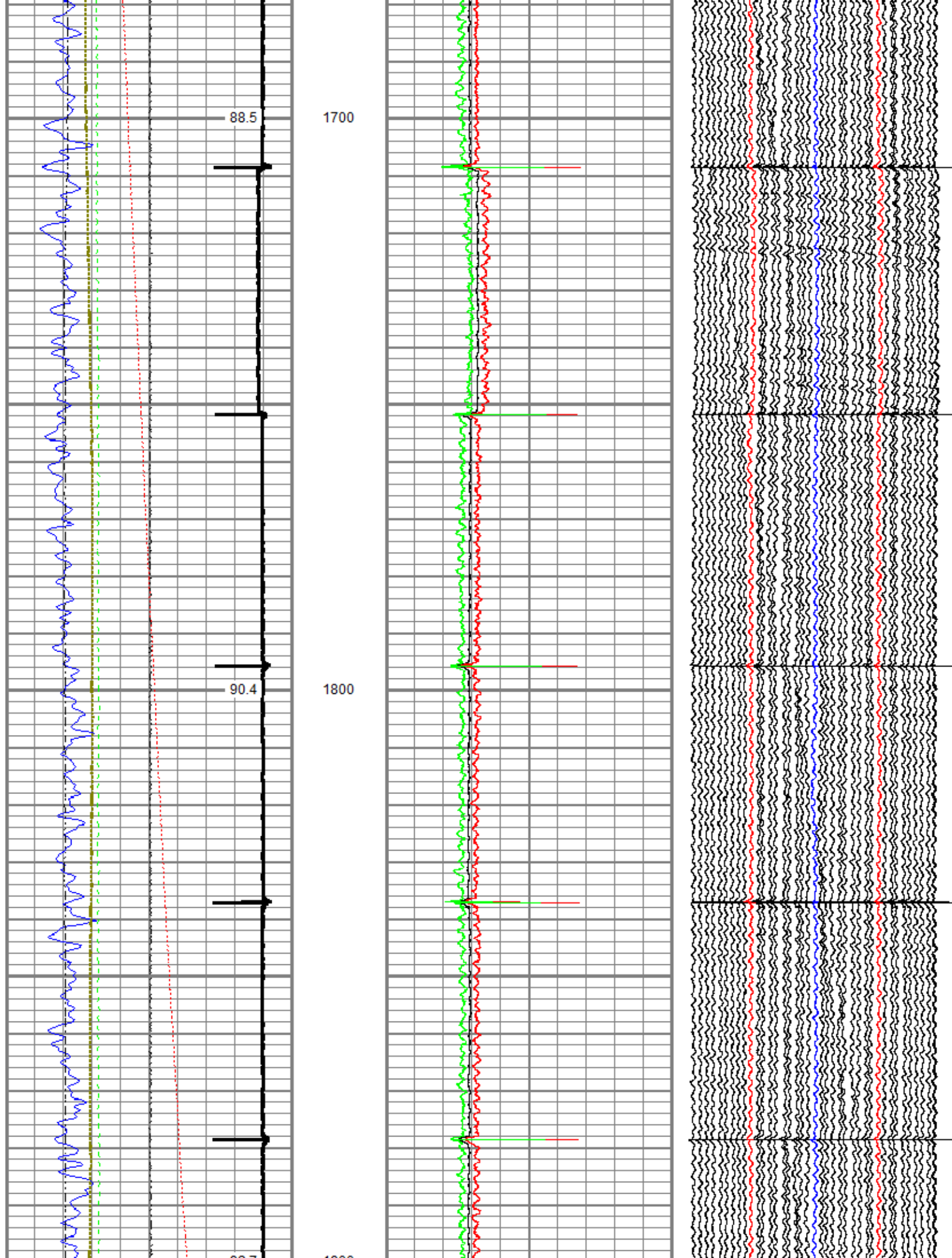


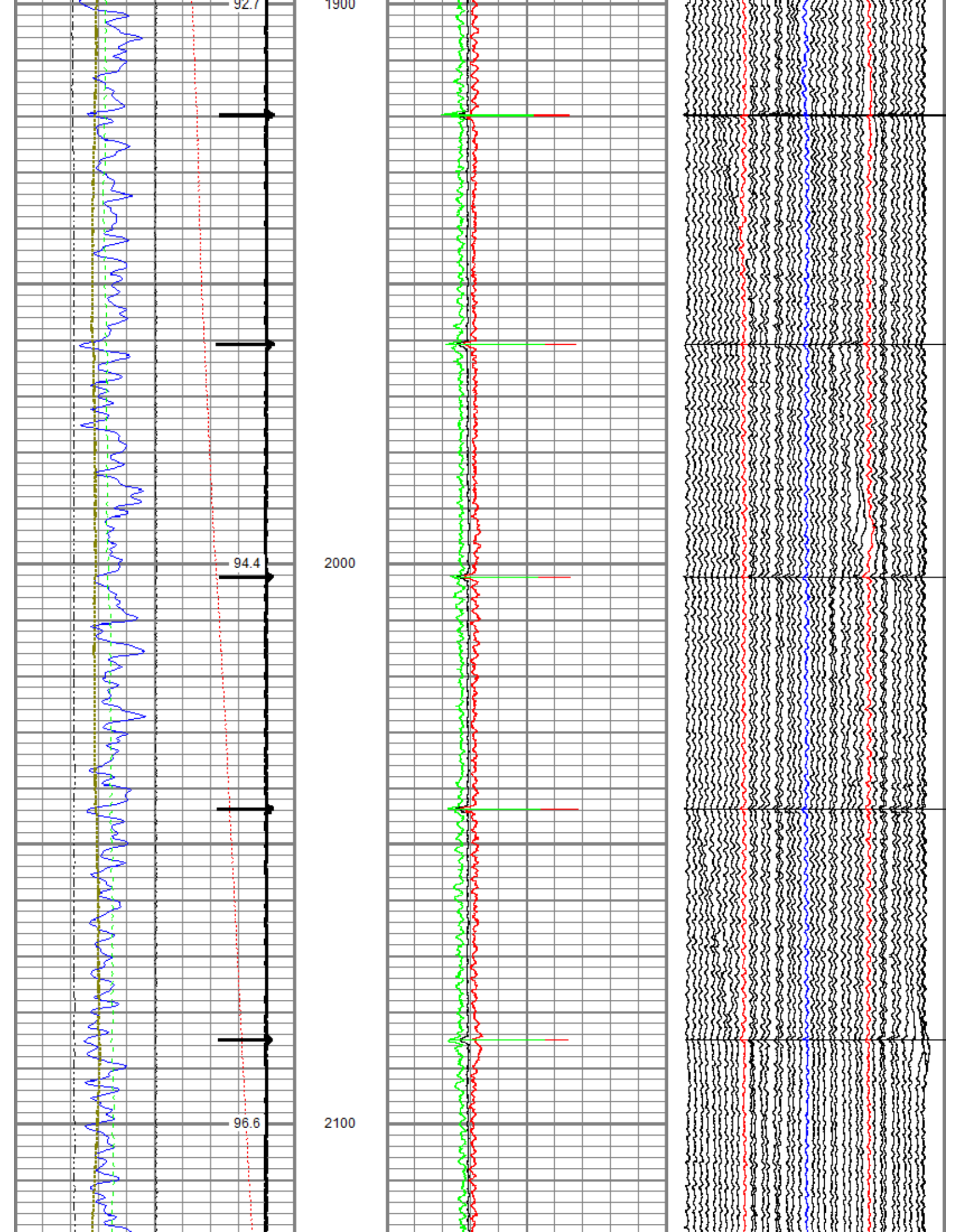
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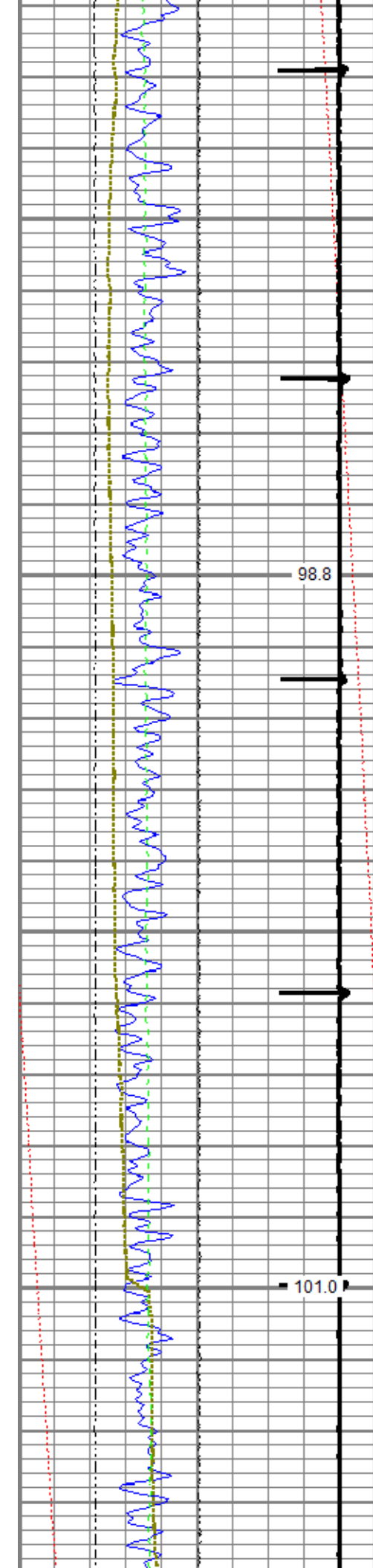
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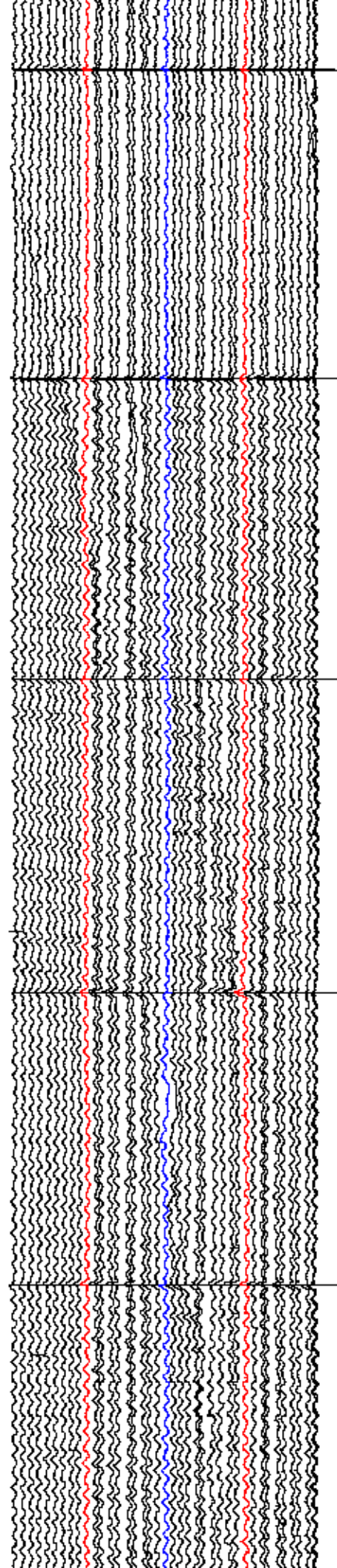
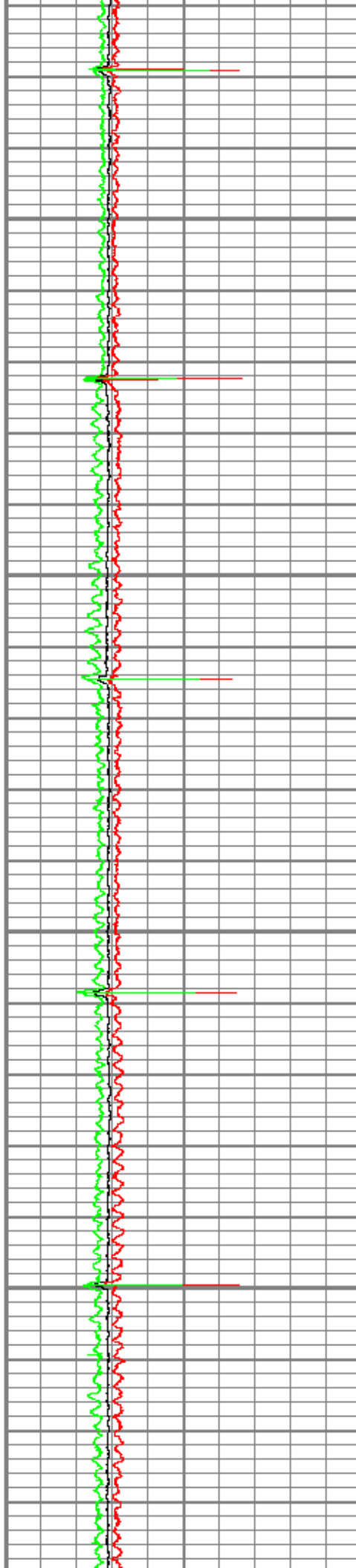


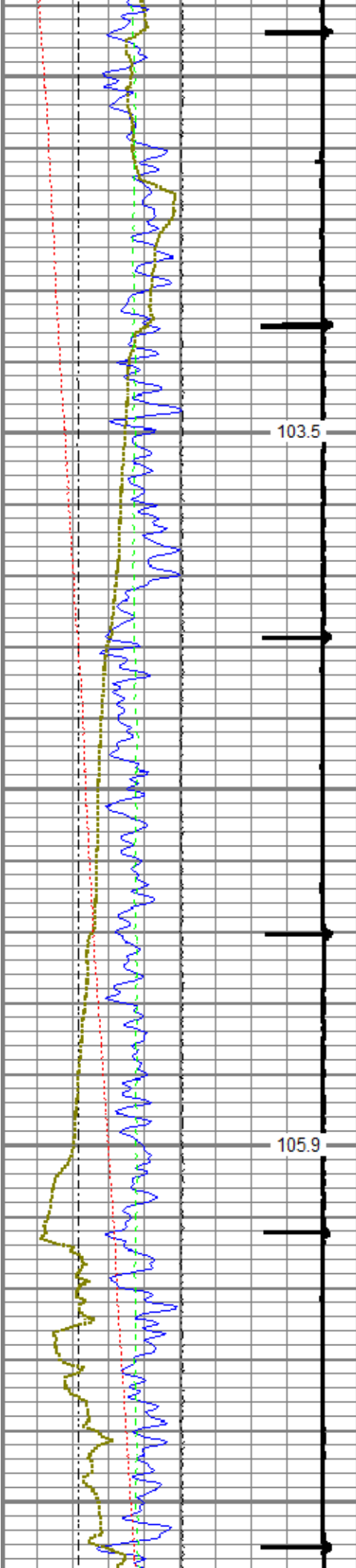




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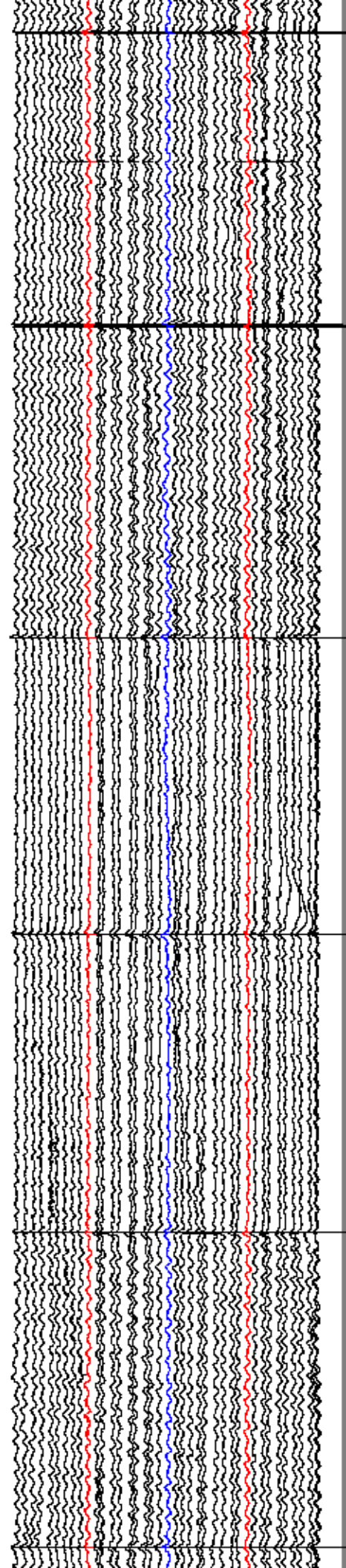
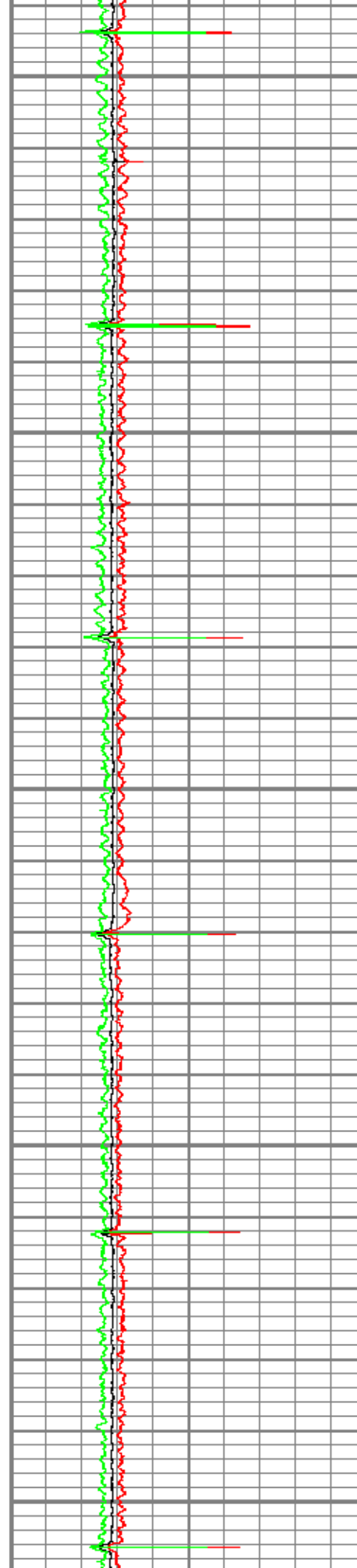
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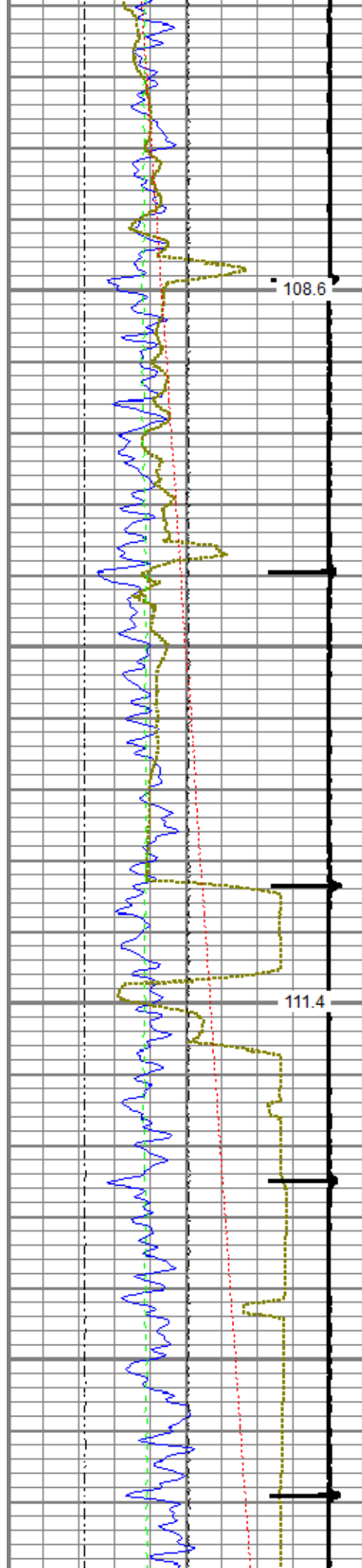




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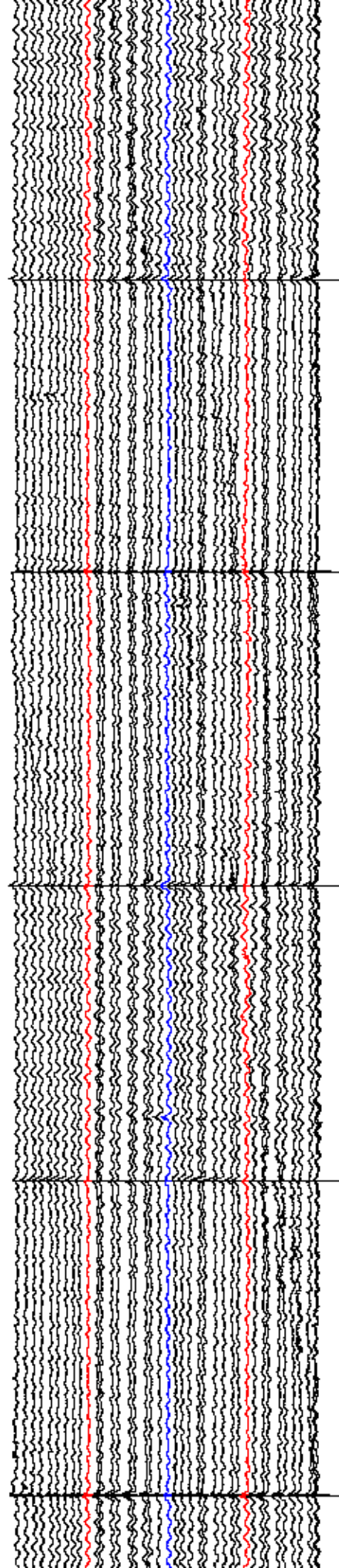
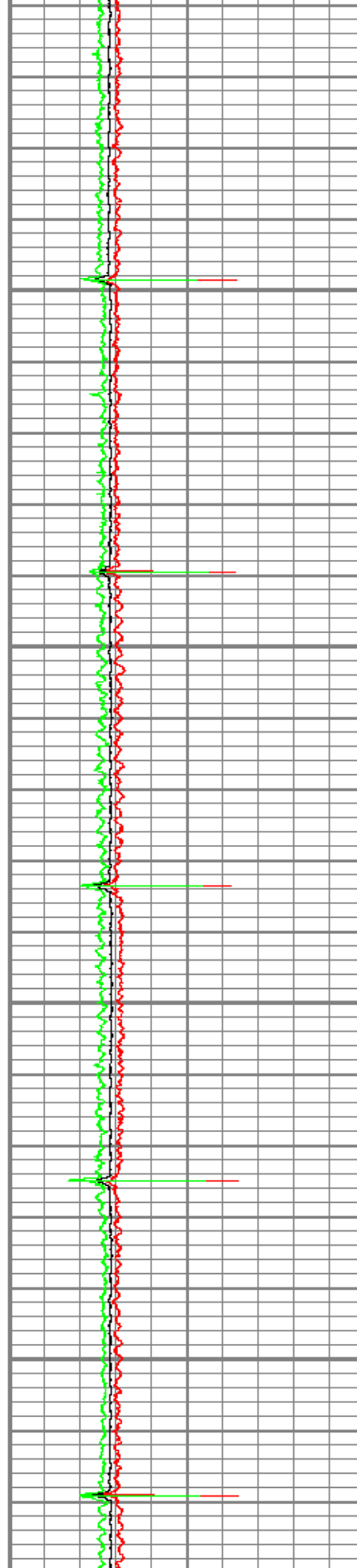
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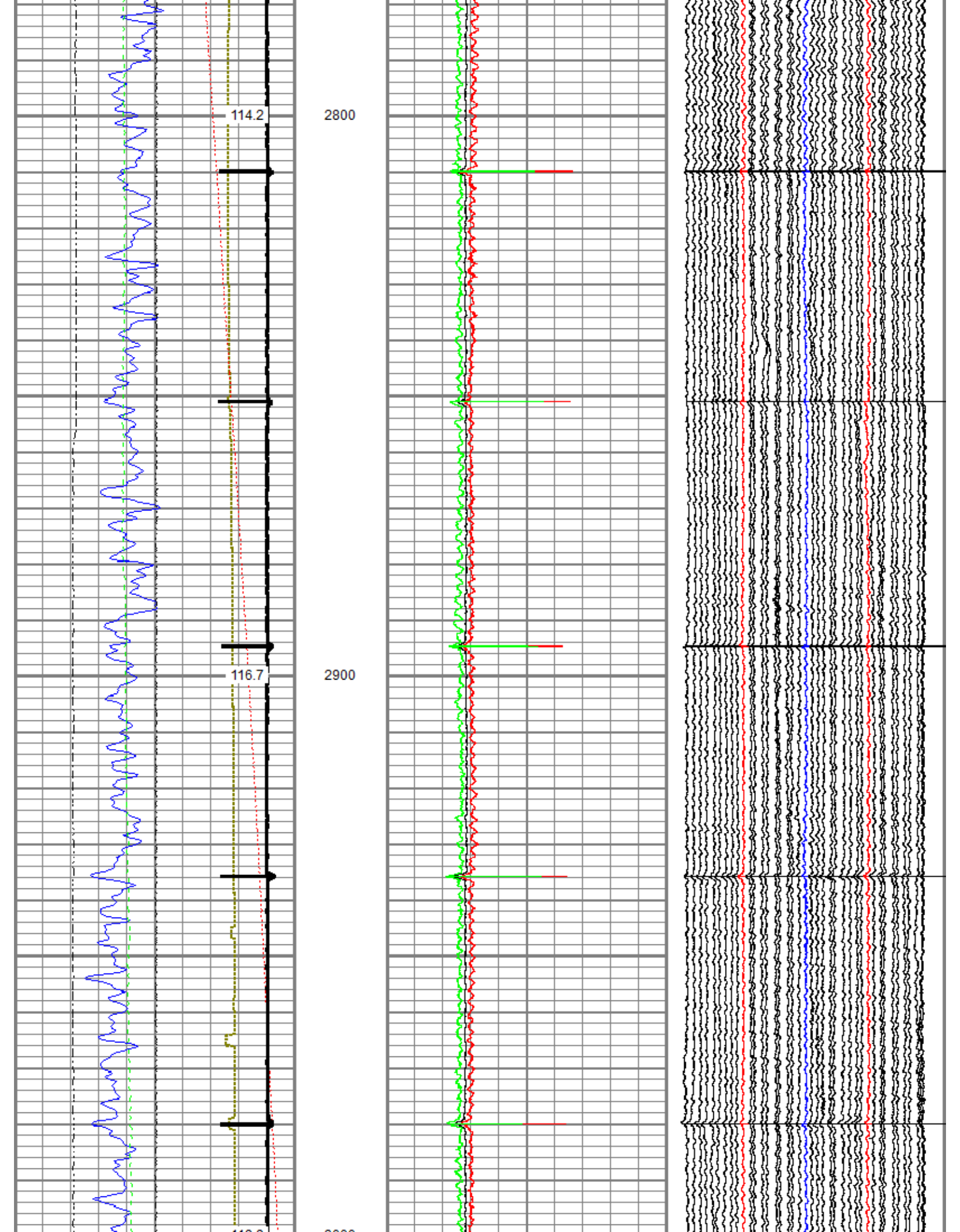


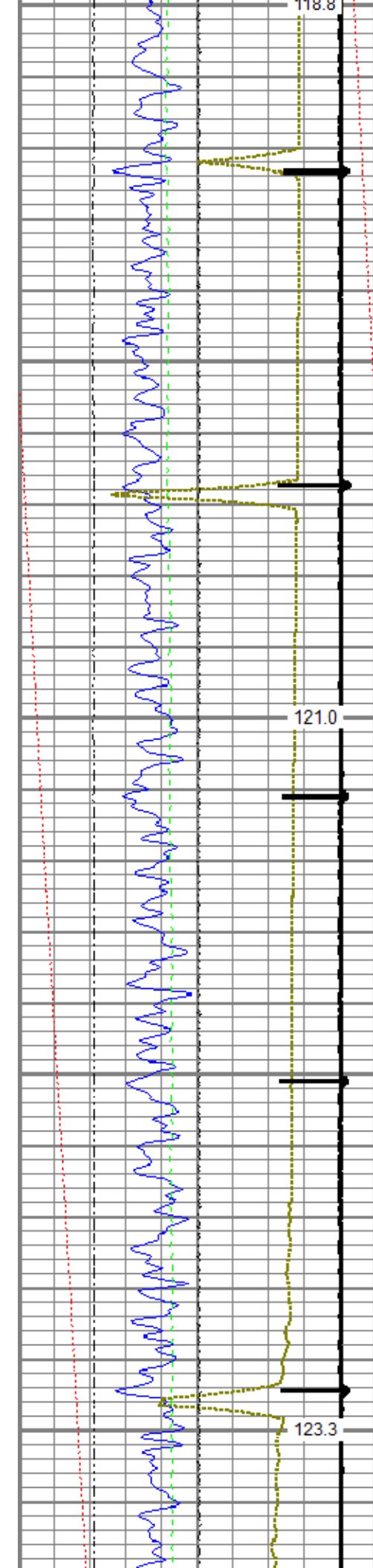


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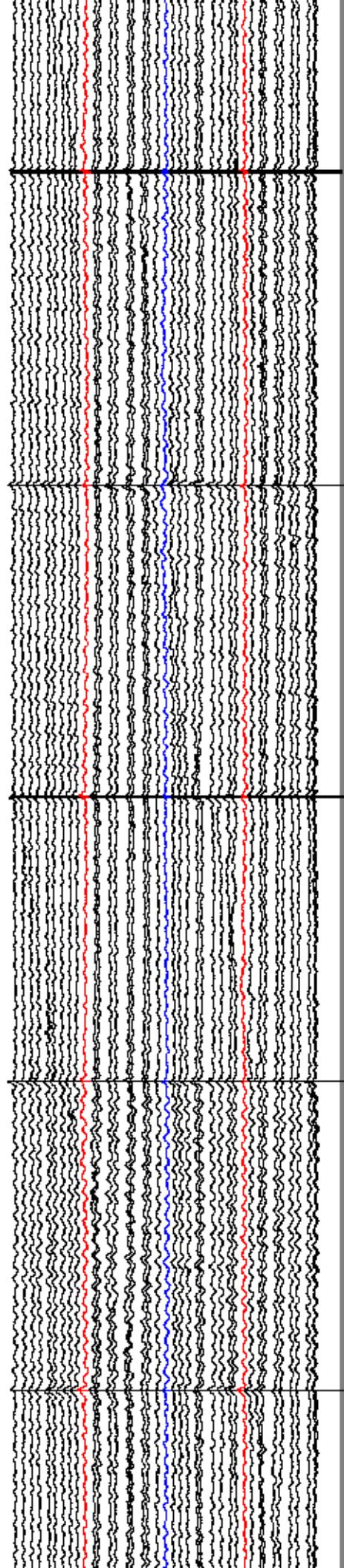
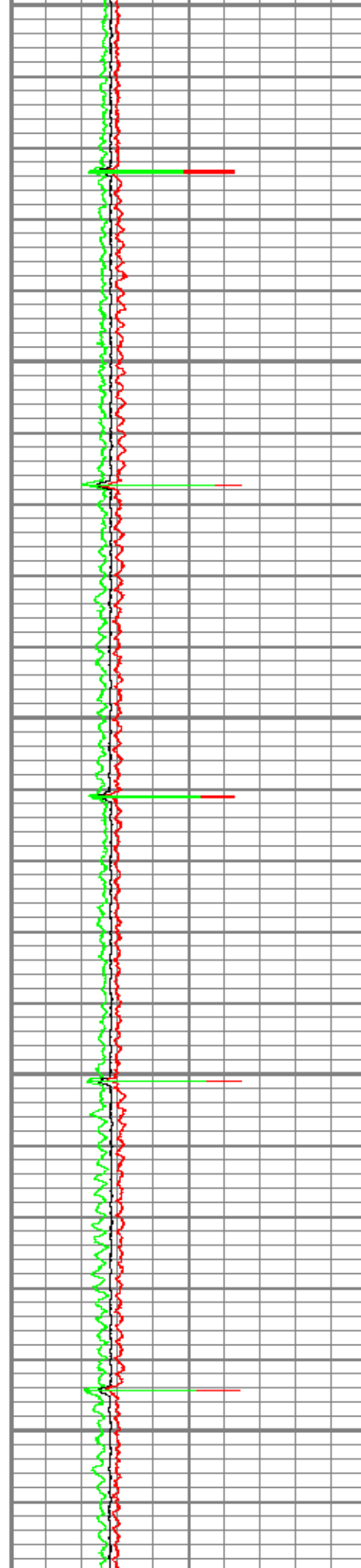


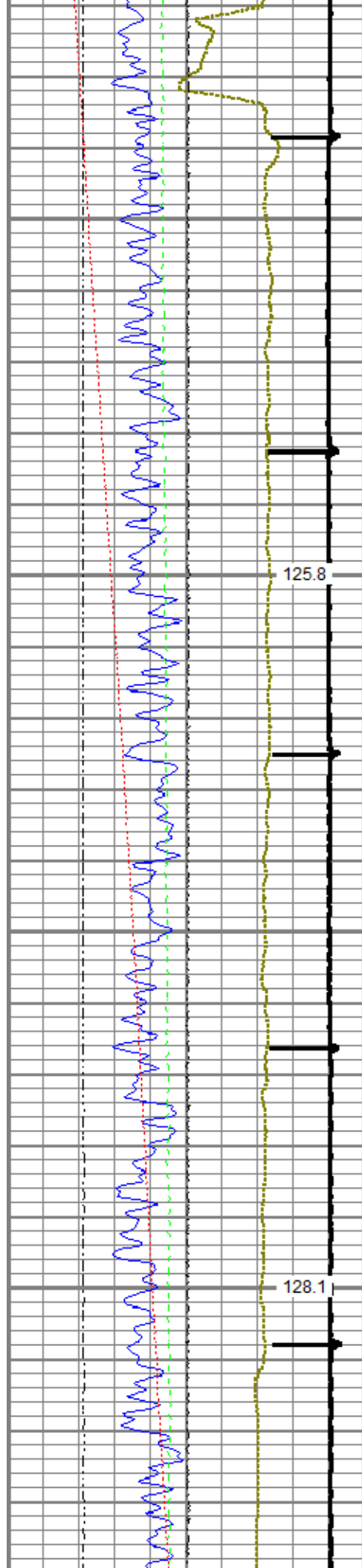


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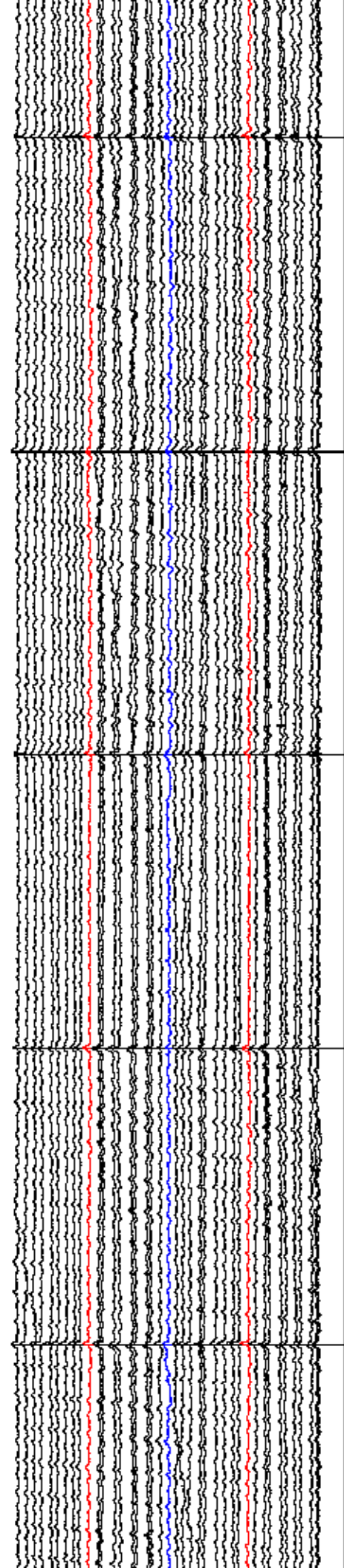
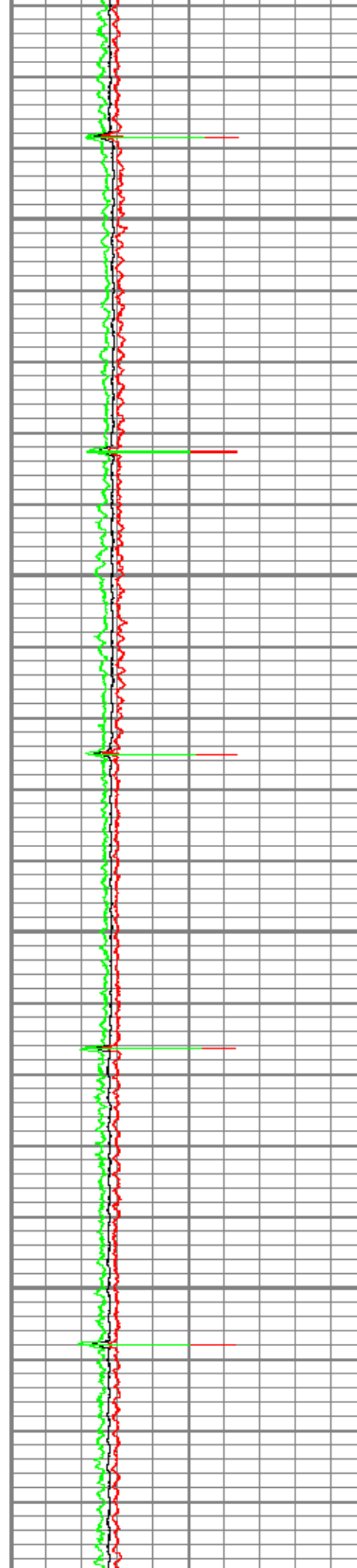
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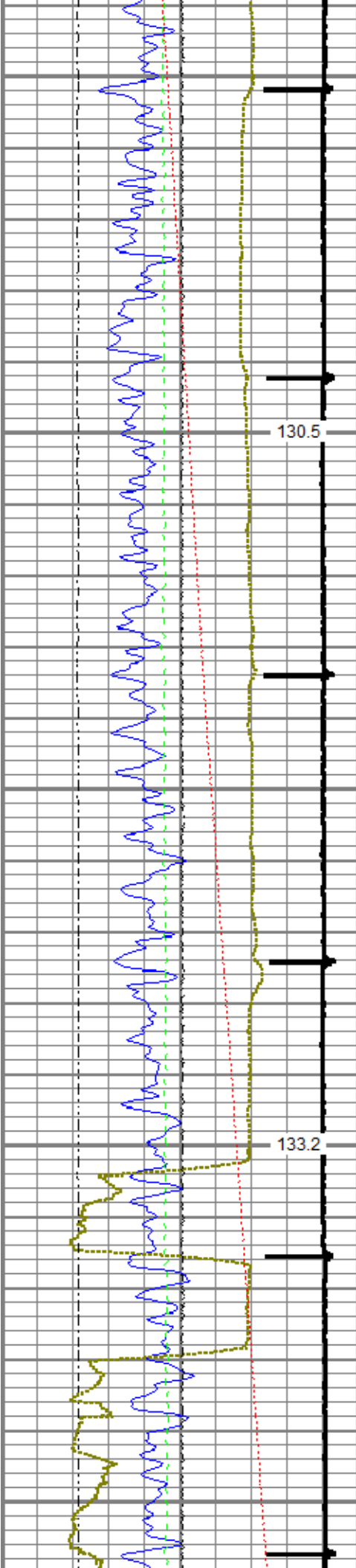




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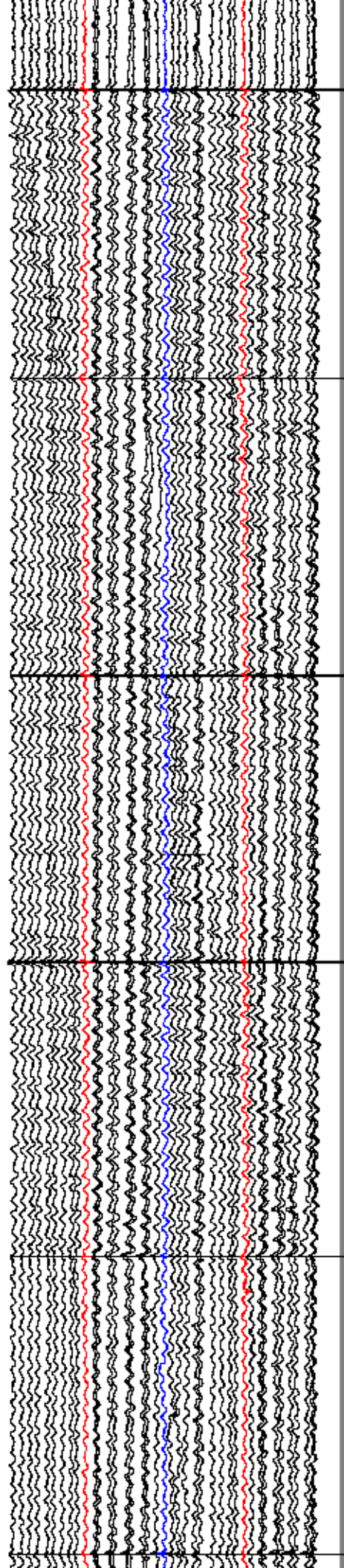
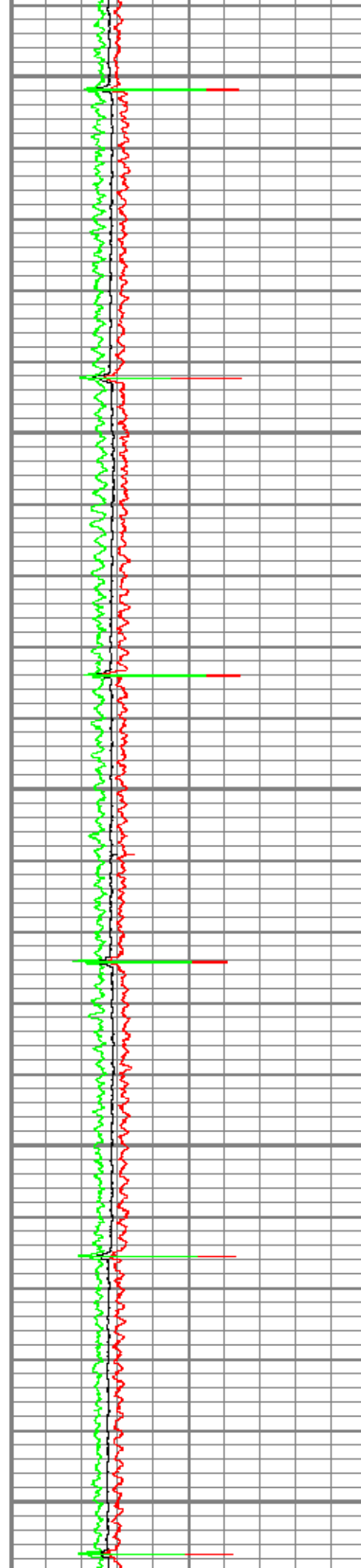
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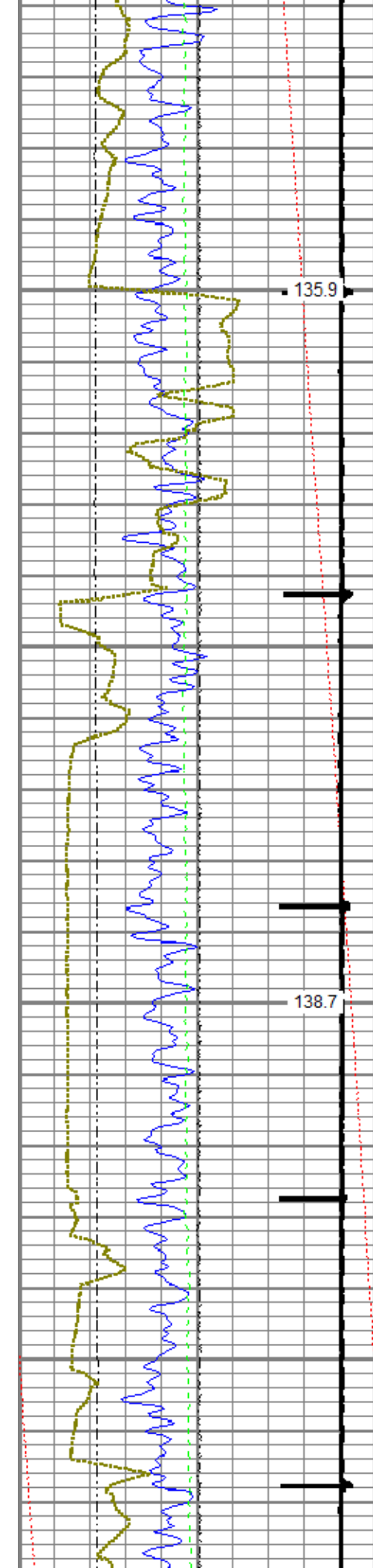




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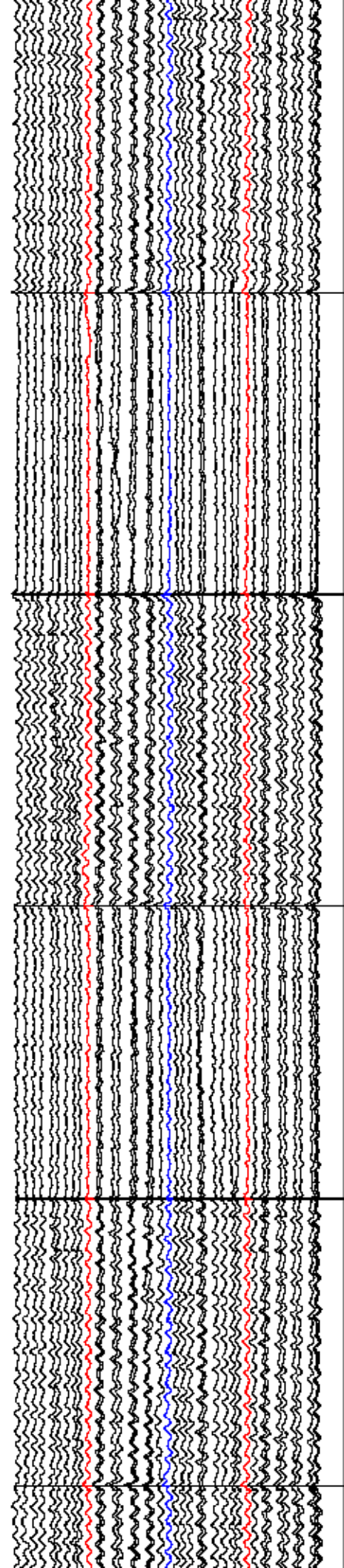
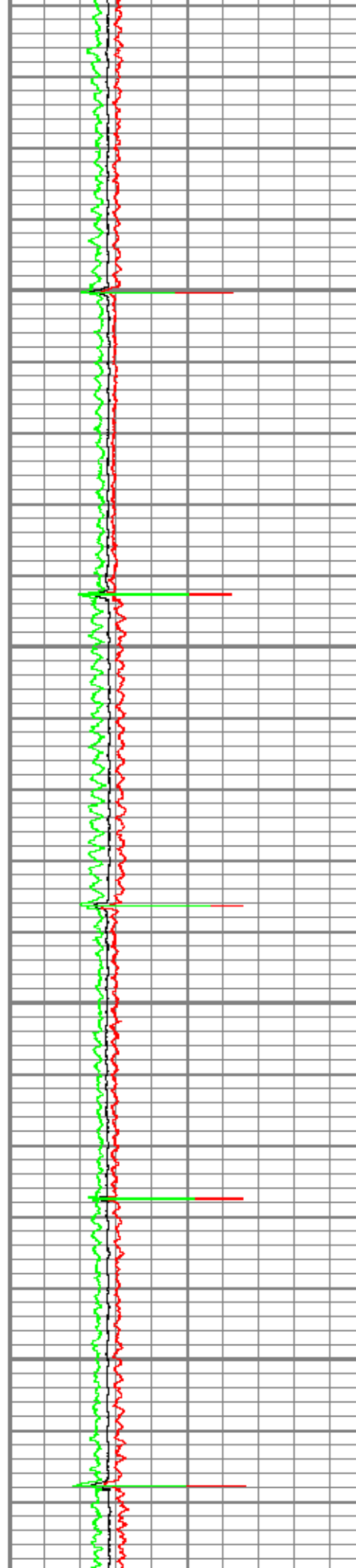
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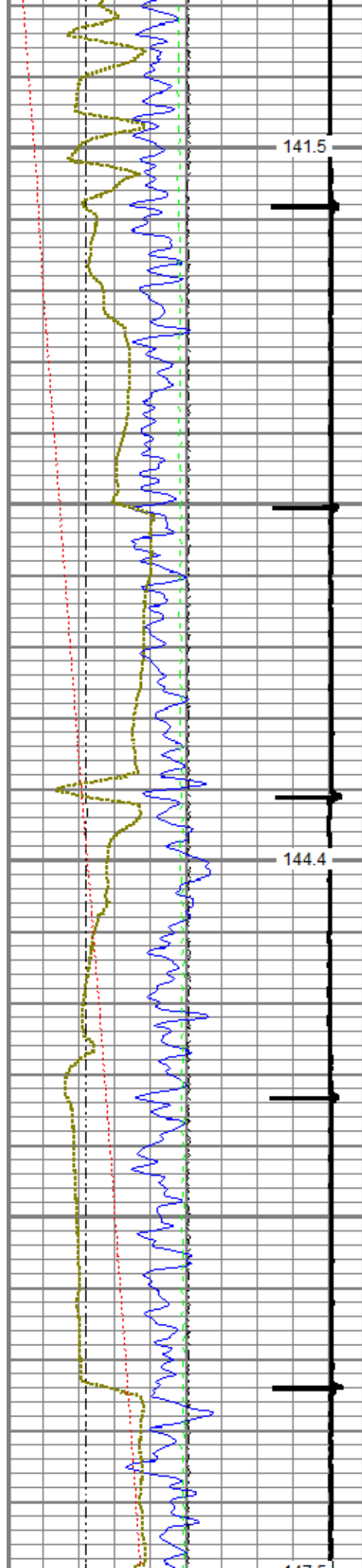




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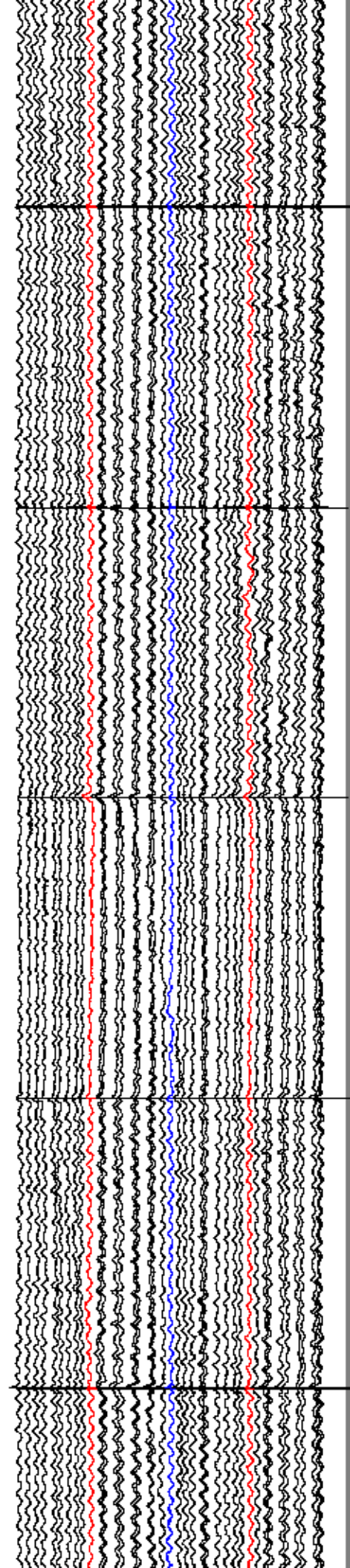
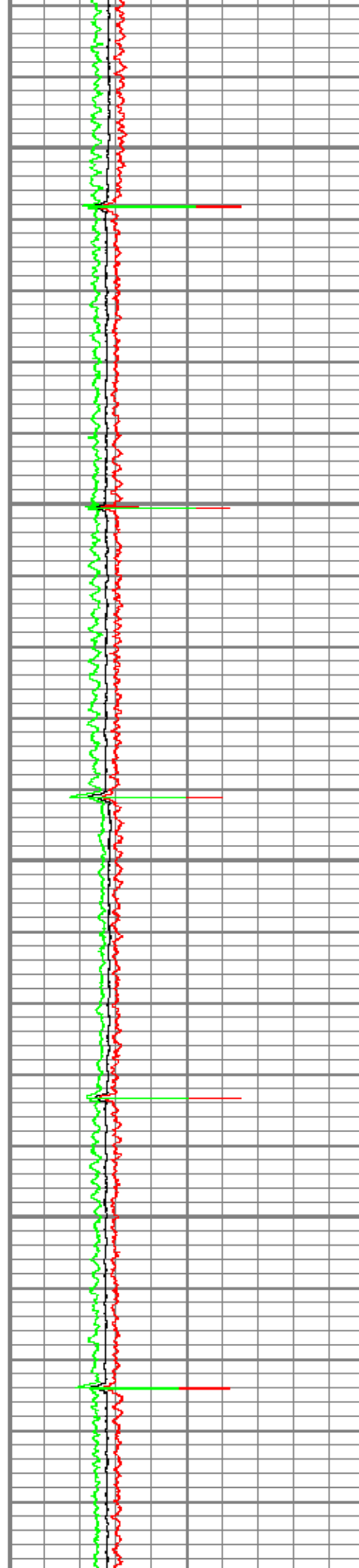


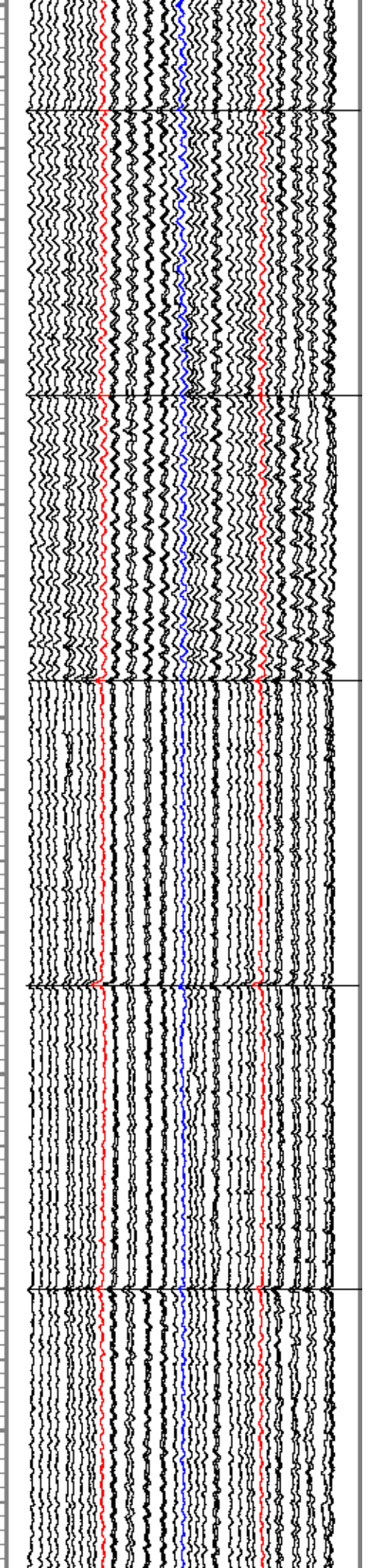
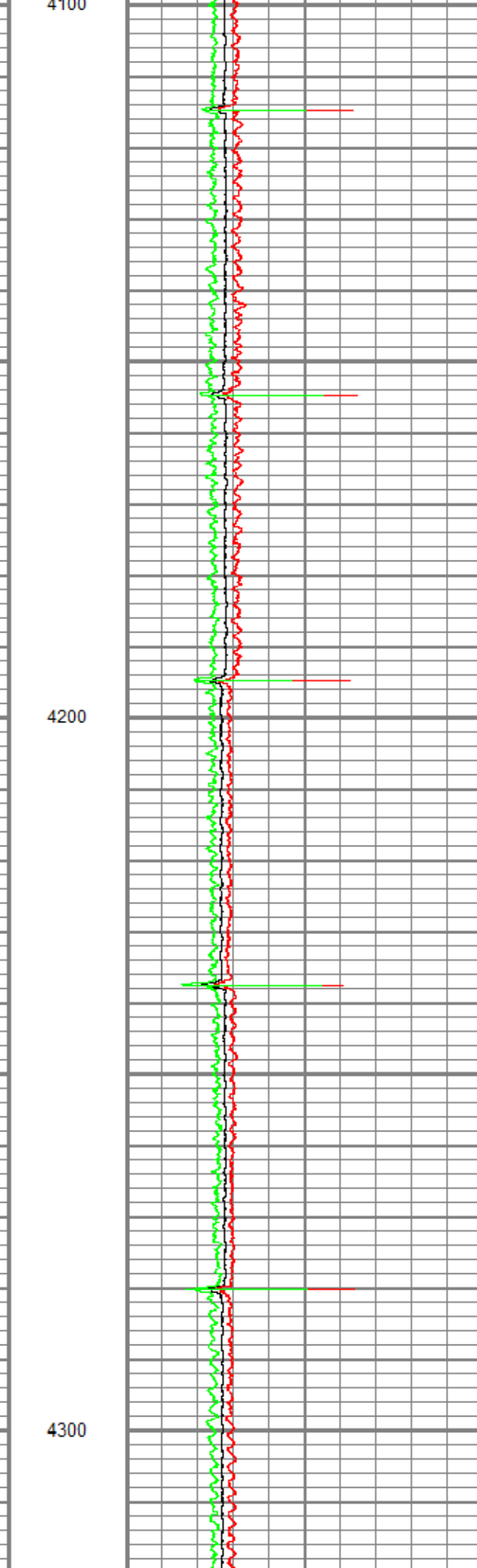
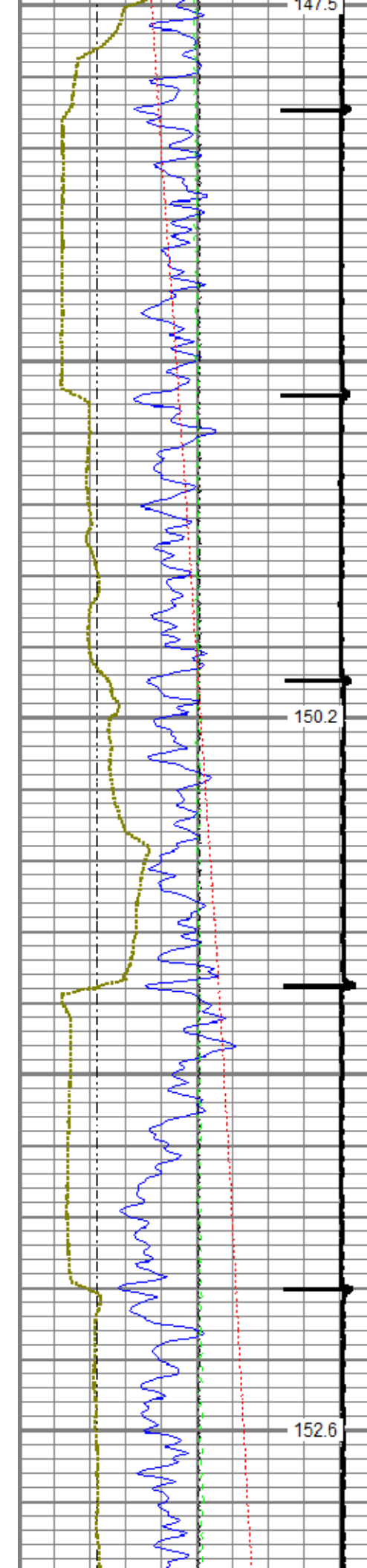


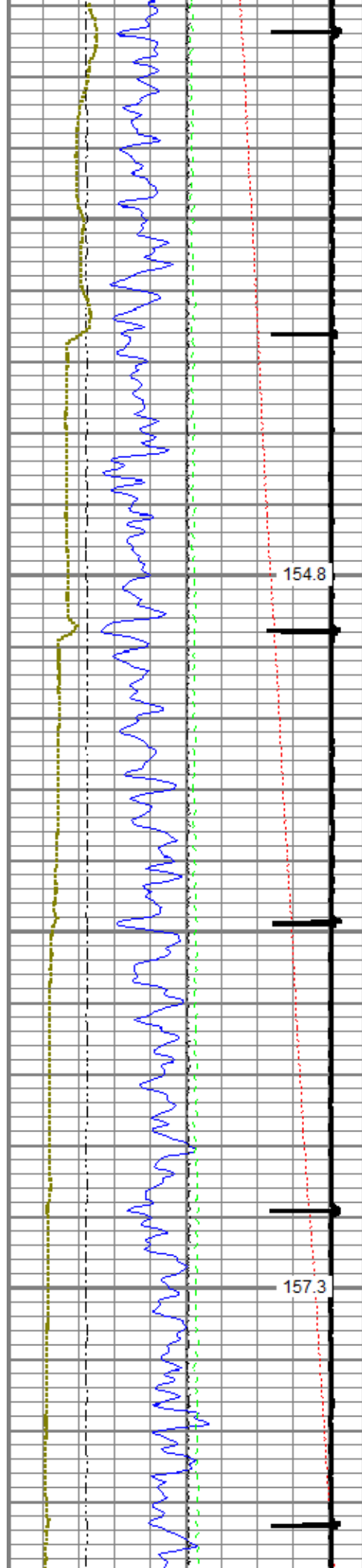
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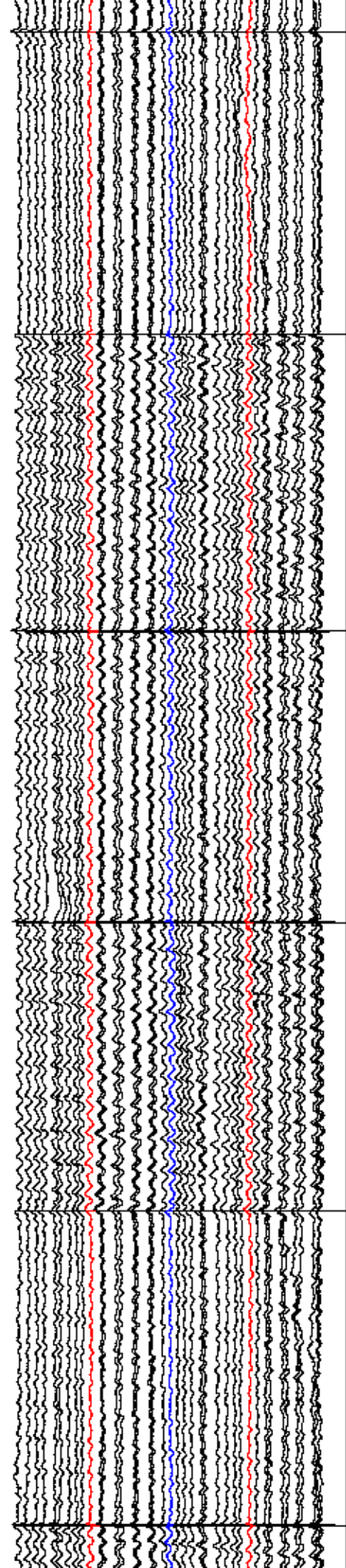
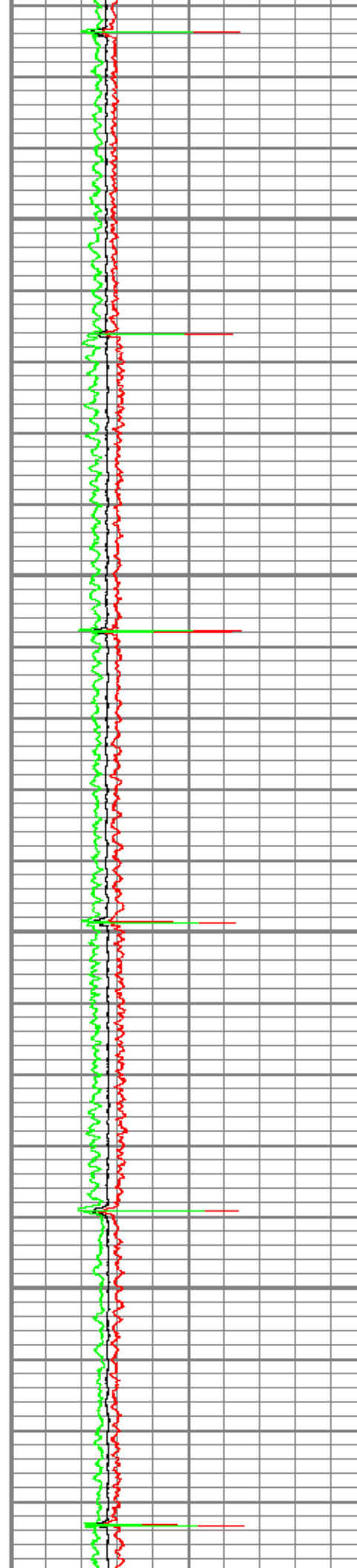


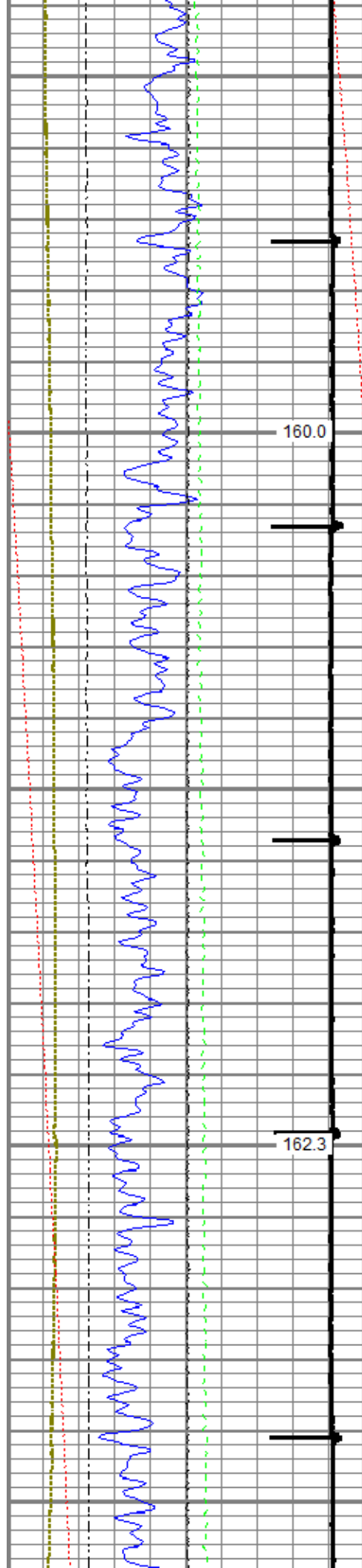




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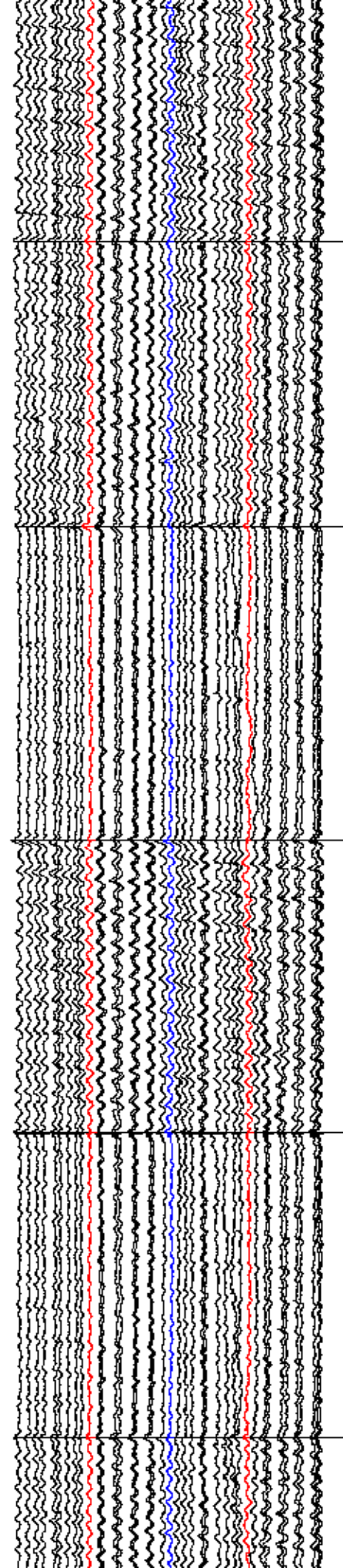
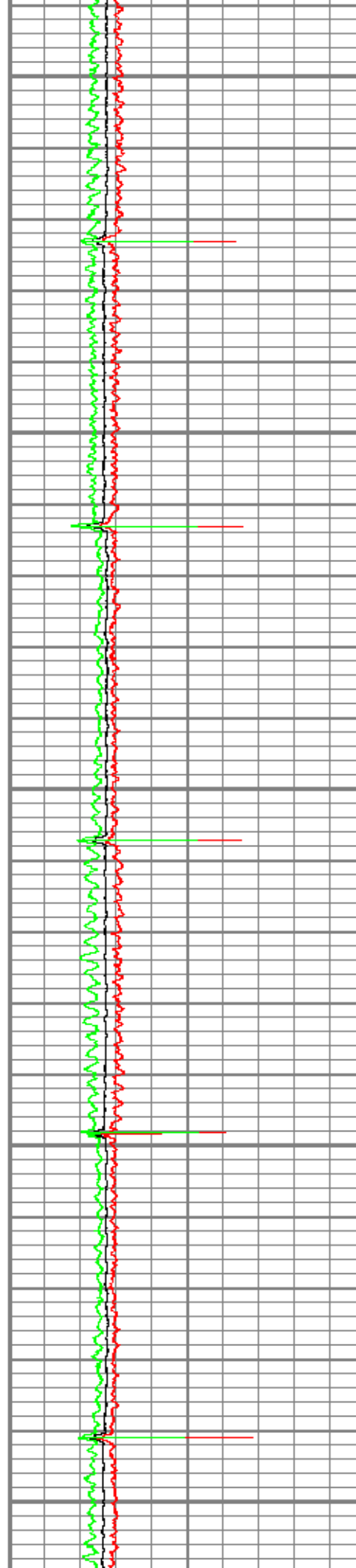
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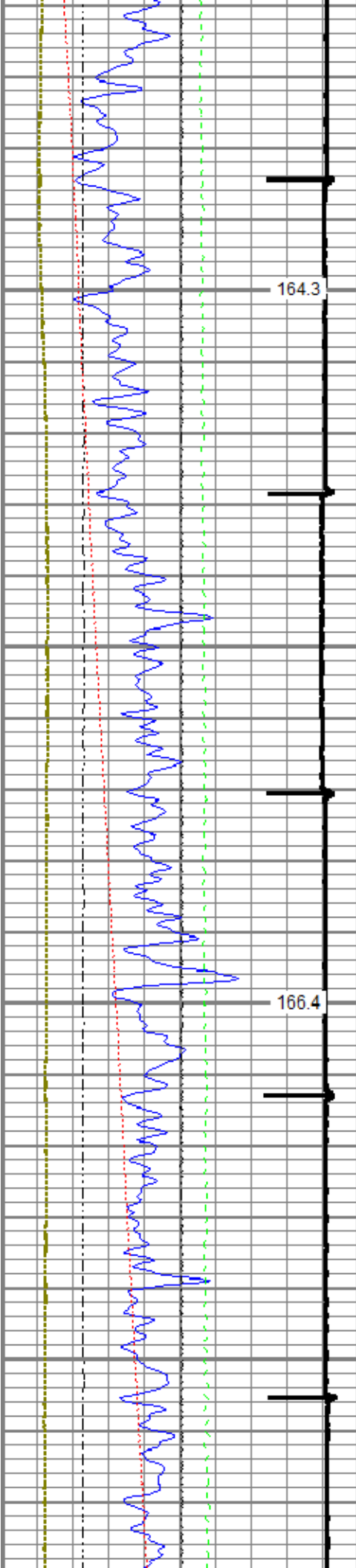




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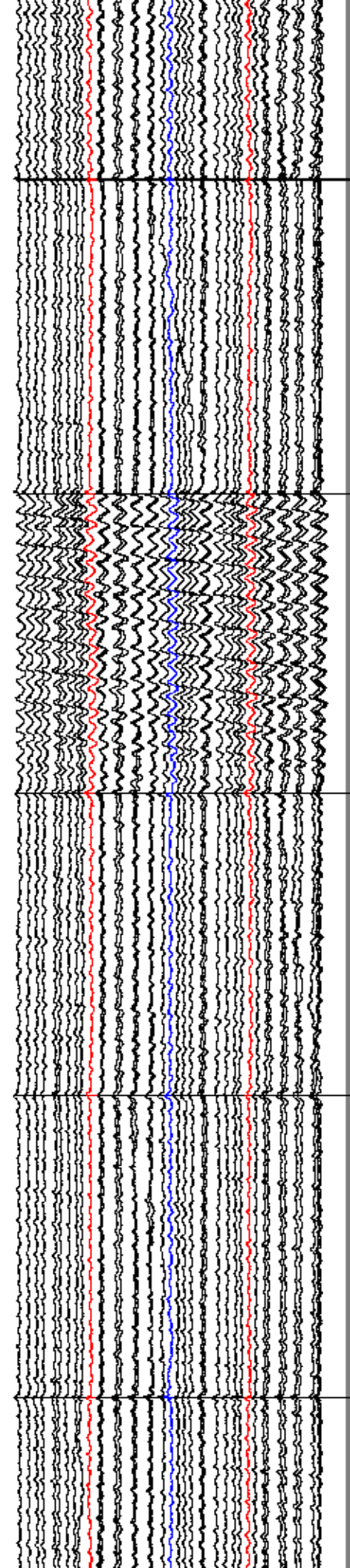
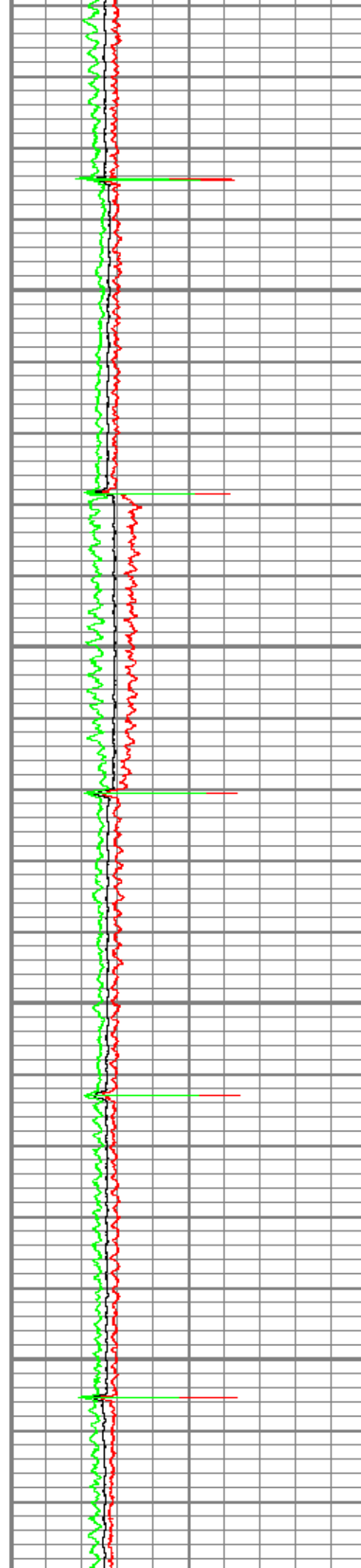
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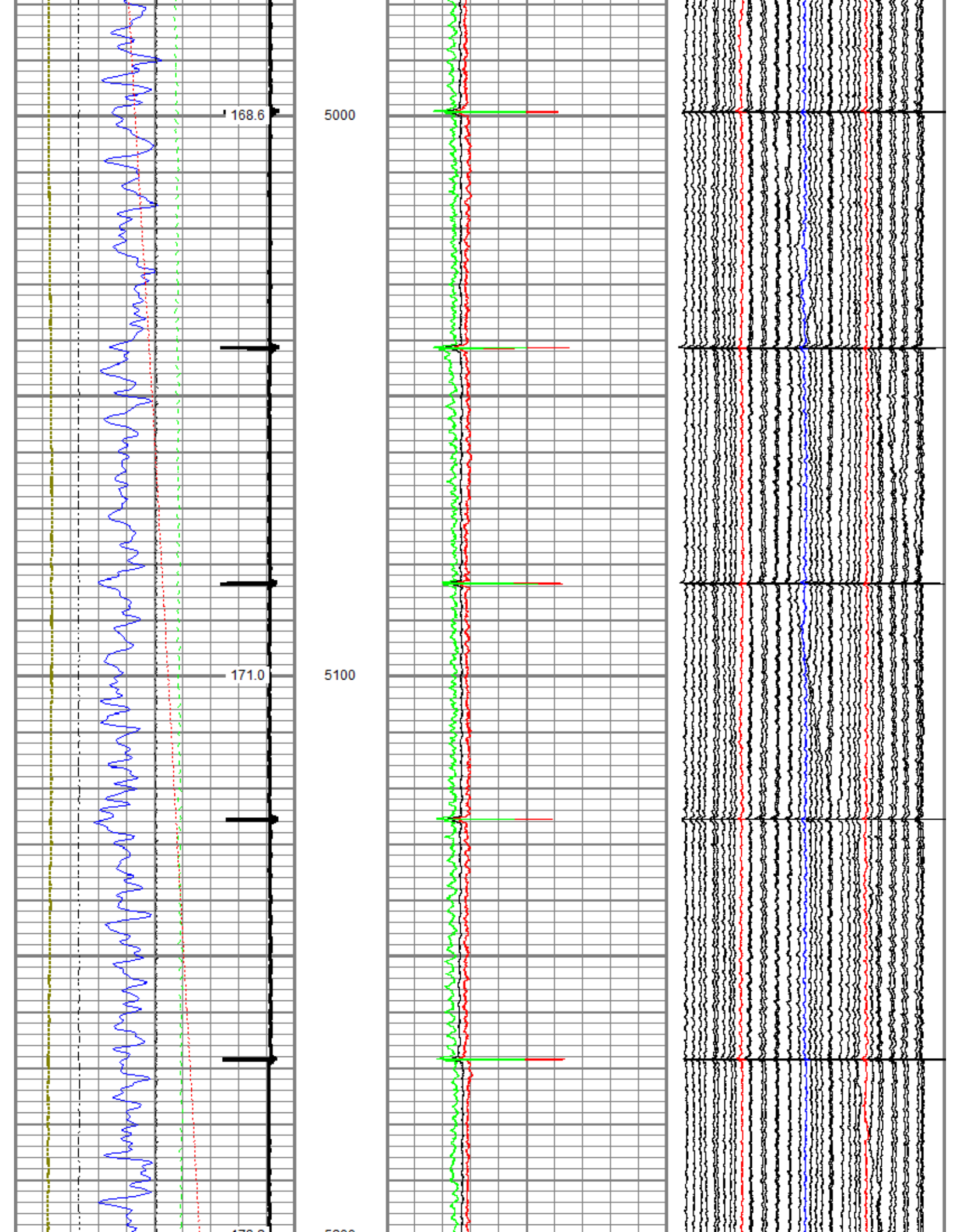


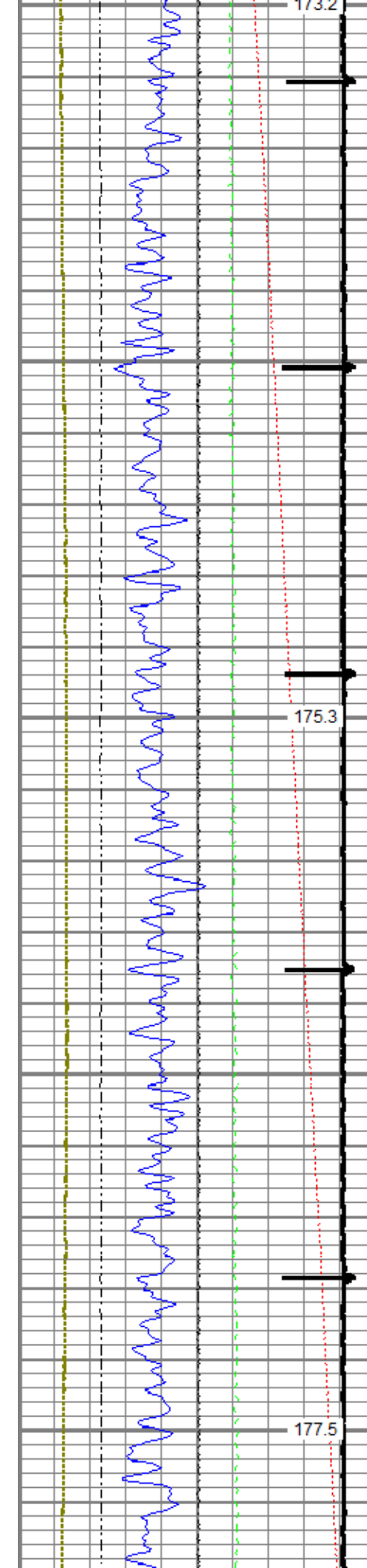


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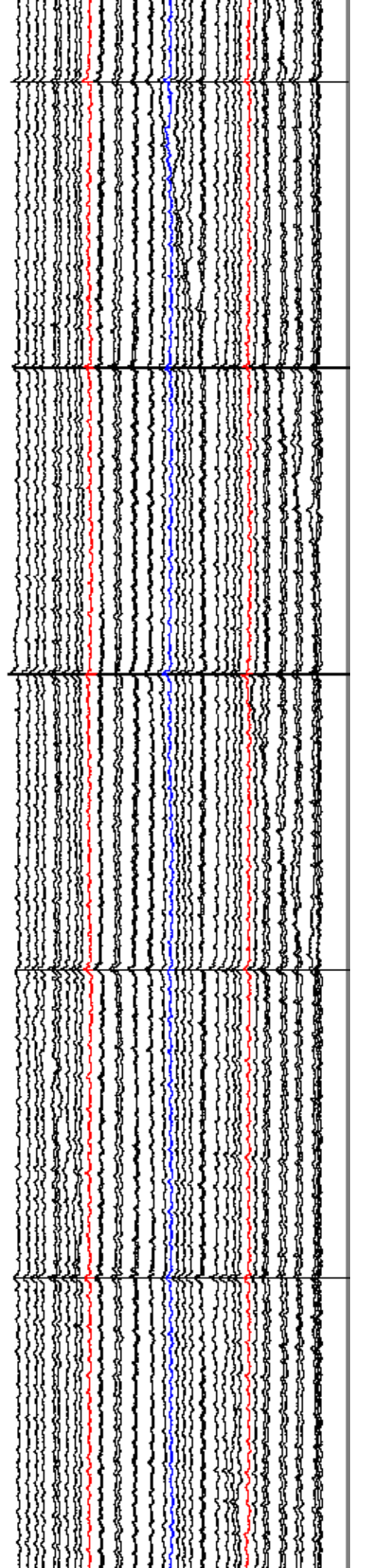
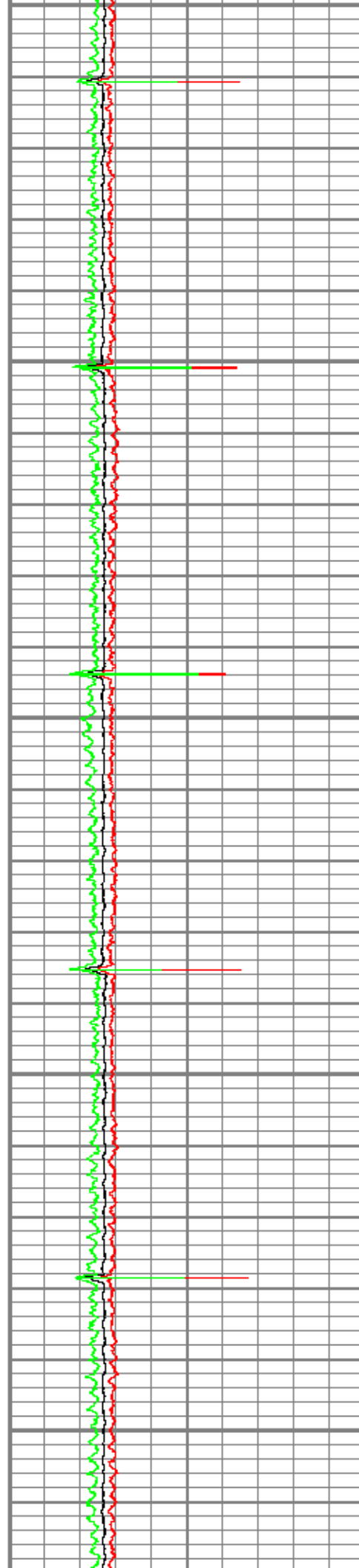


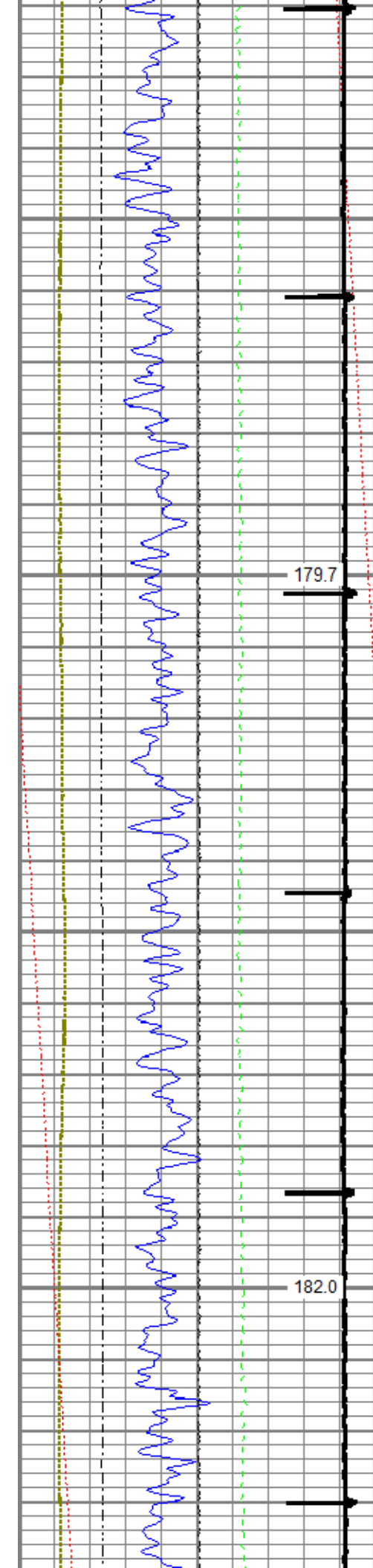


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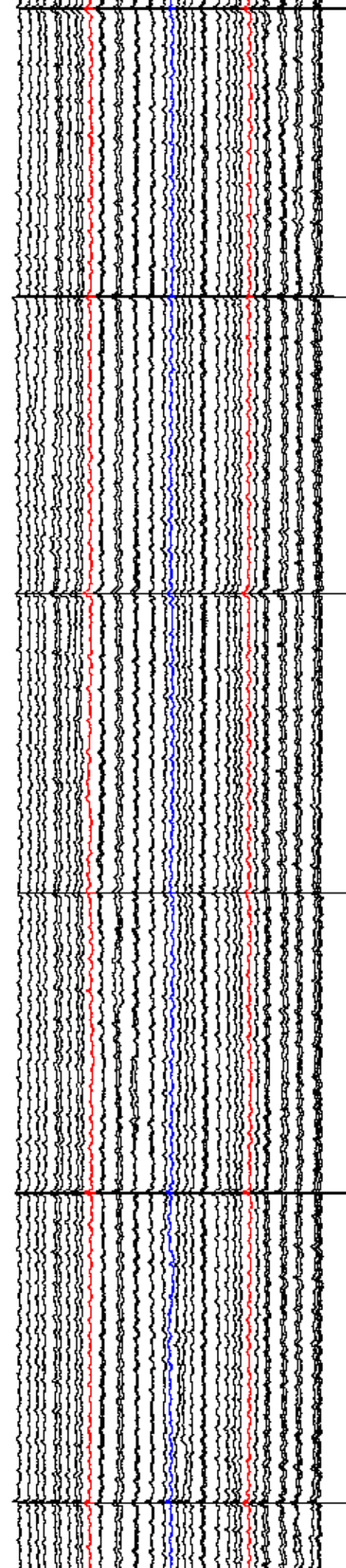
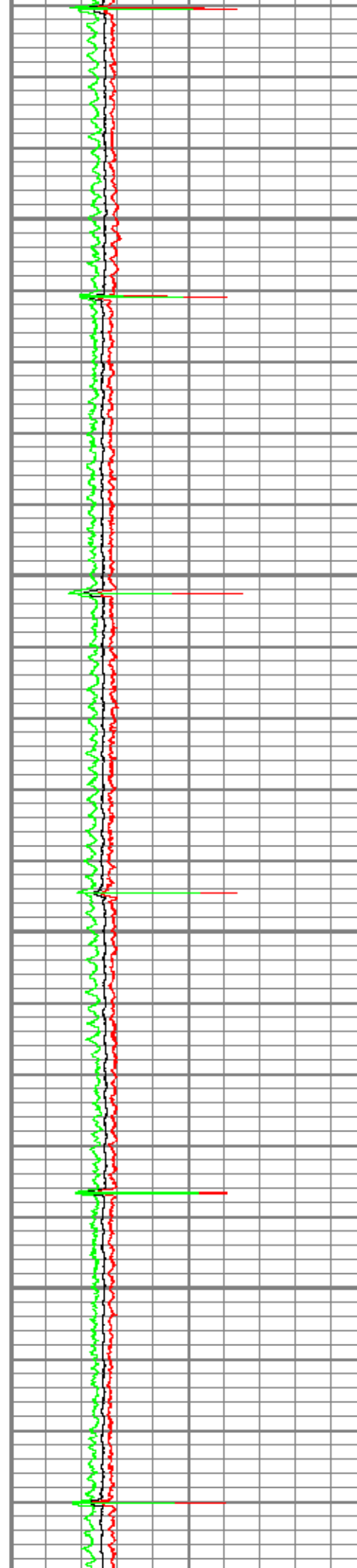
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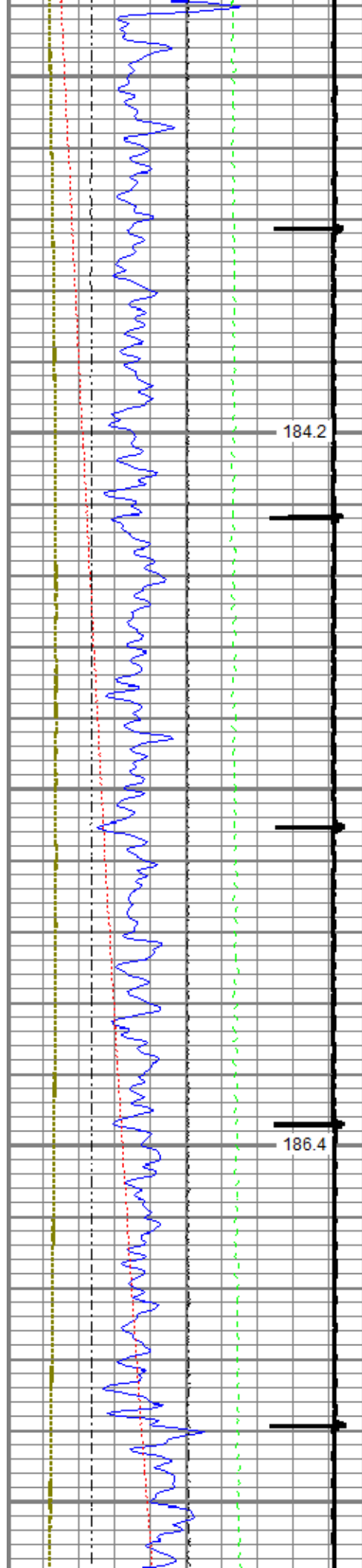




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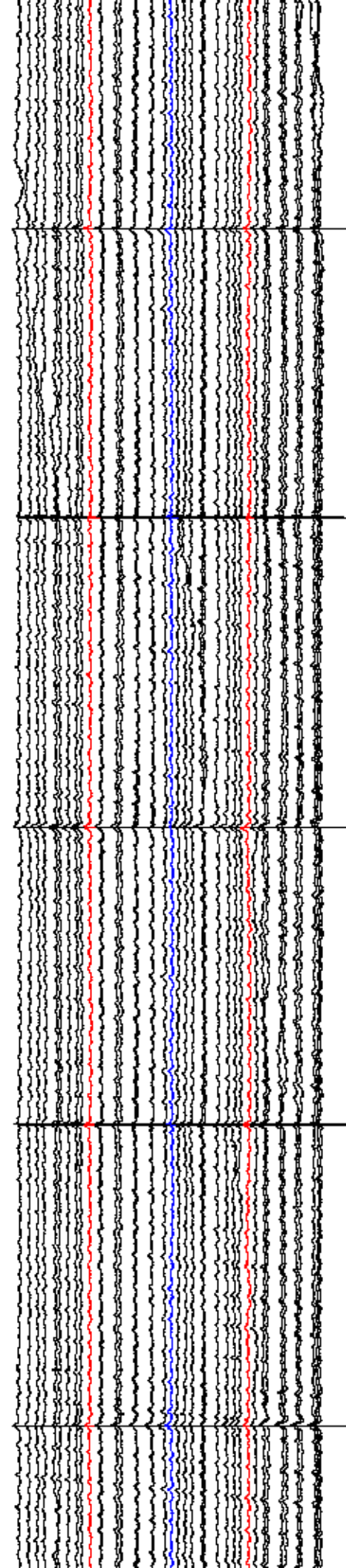
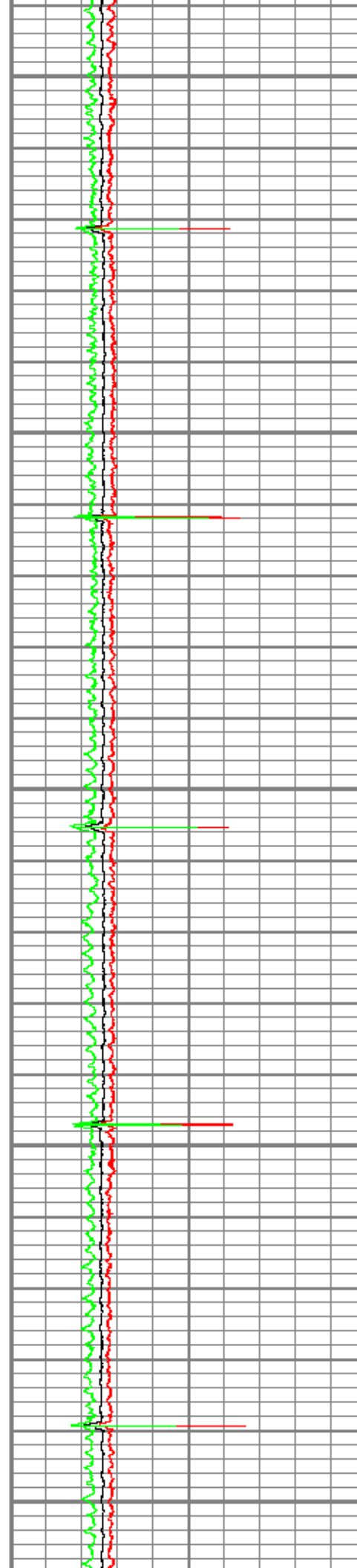
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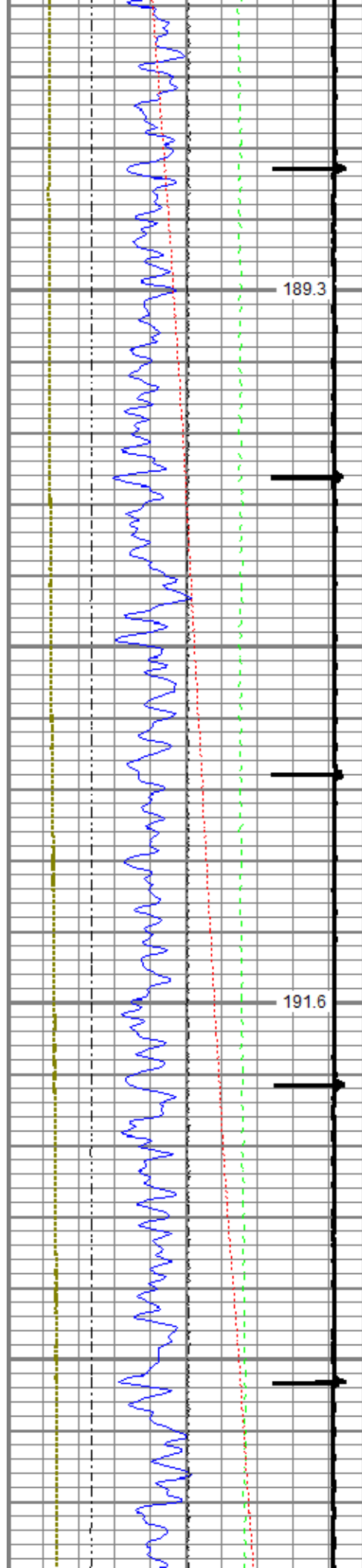




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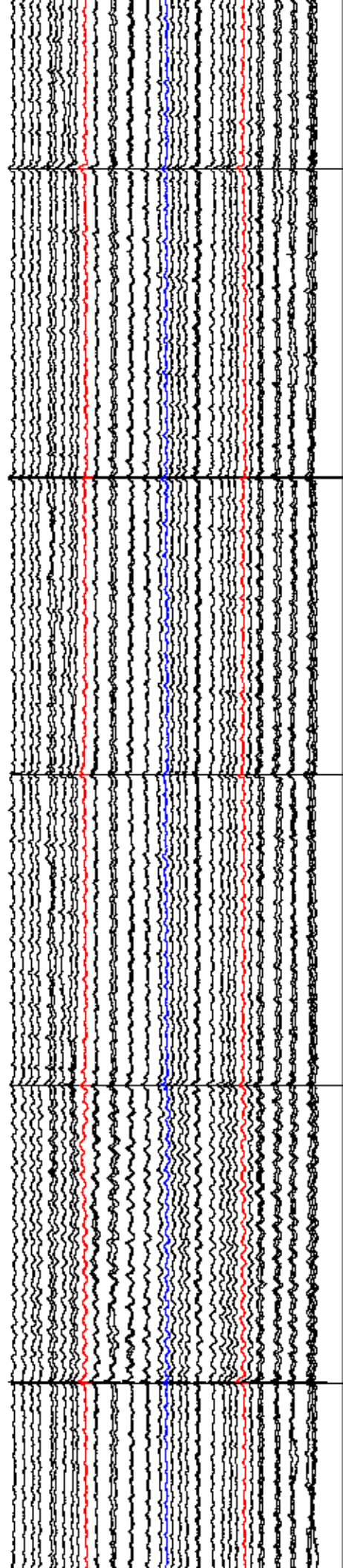
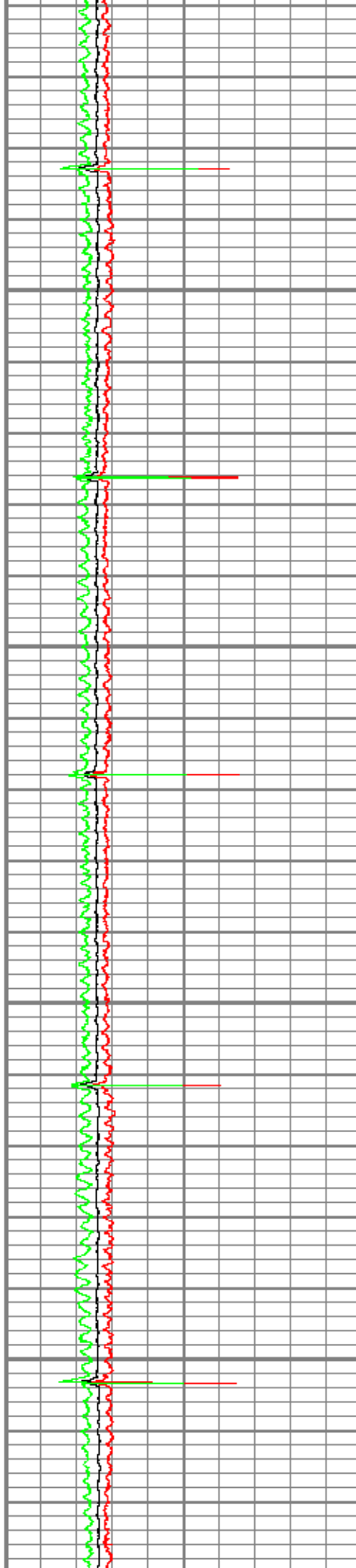


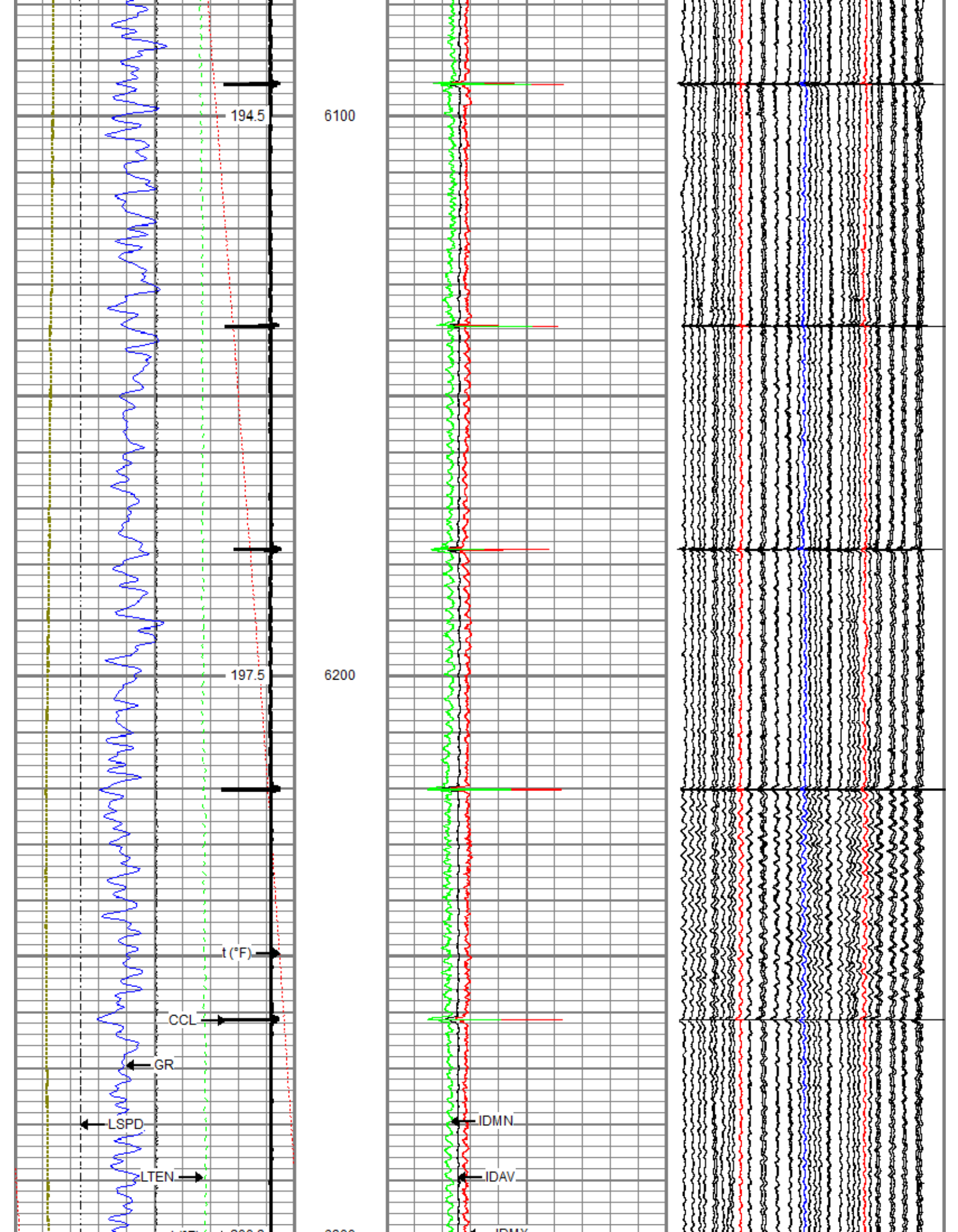
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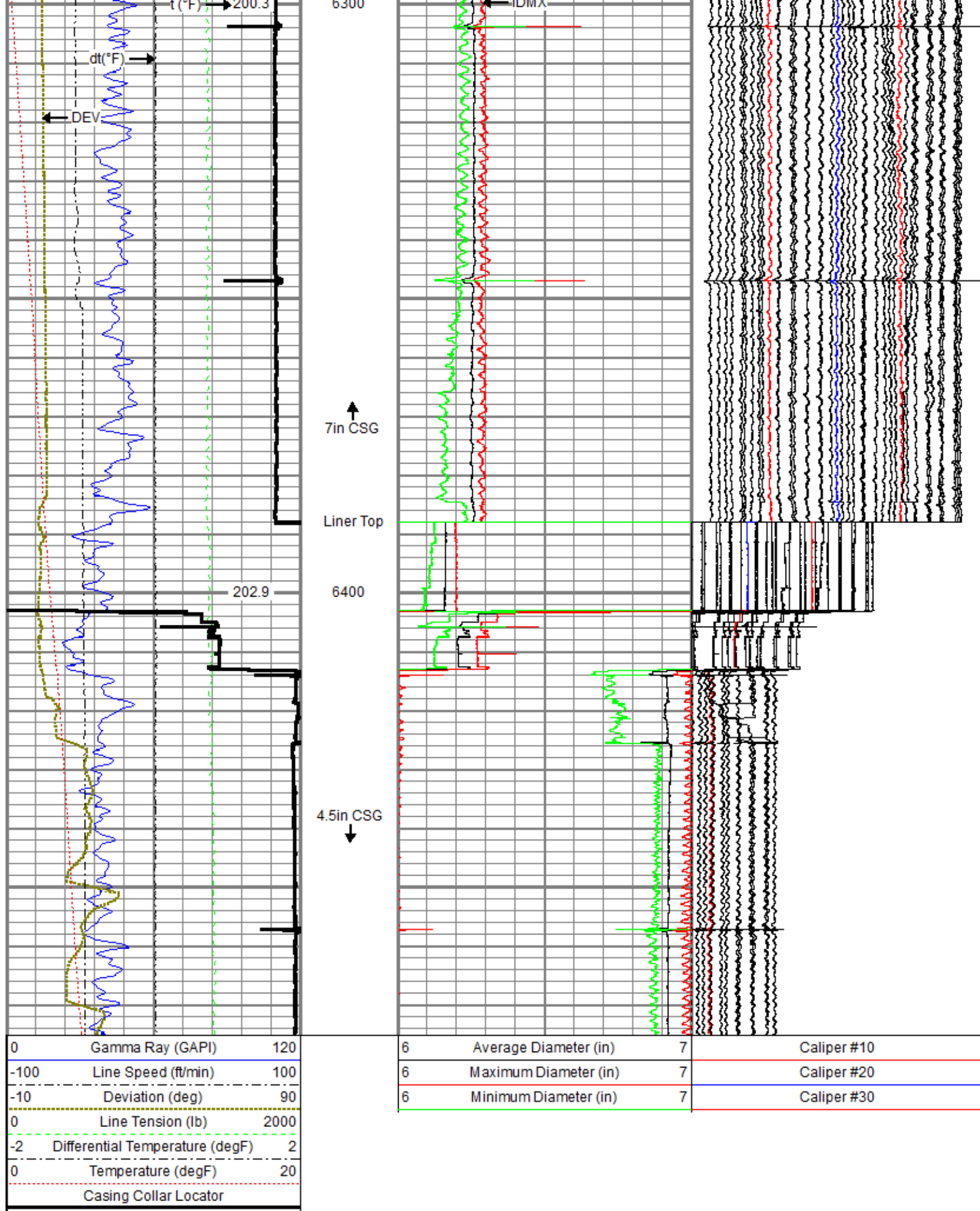
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191.6







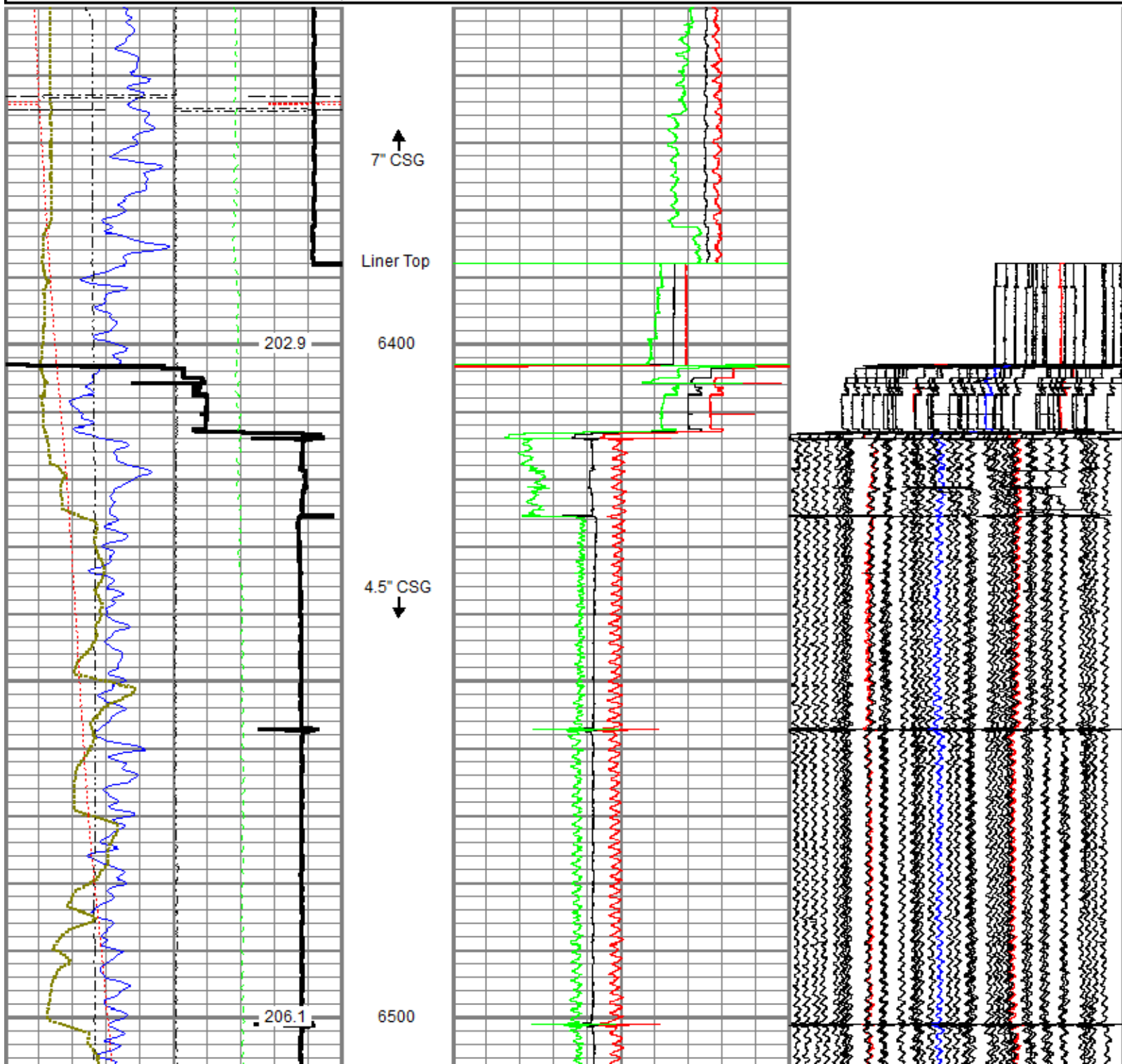
4.5" Main Pass

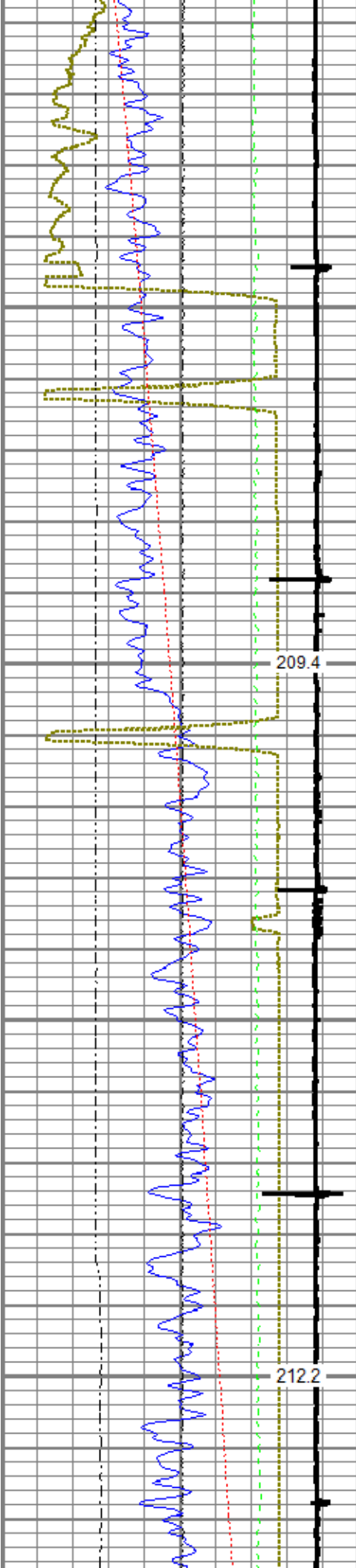
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Dataset Pathname RCBL-MIT/Main.2.1
Presentation Format ros_45mit40sx11.6_revised
Dataset Creation Tue Mar 26 10:00:59 2019
Charted by Depth in Feet scaled 1:240

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

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

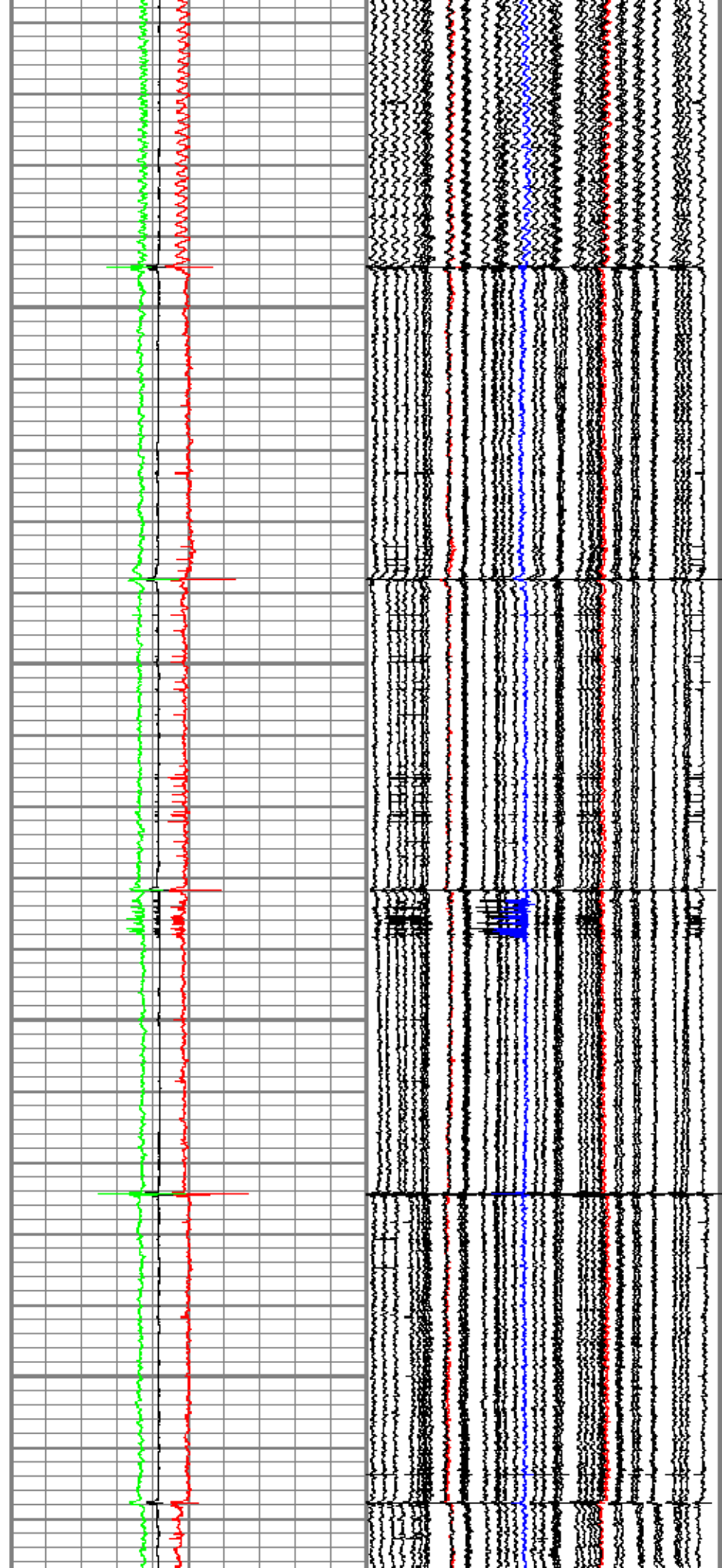
Caliper #10
Caliper #20
Caliper #30

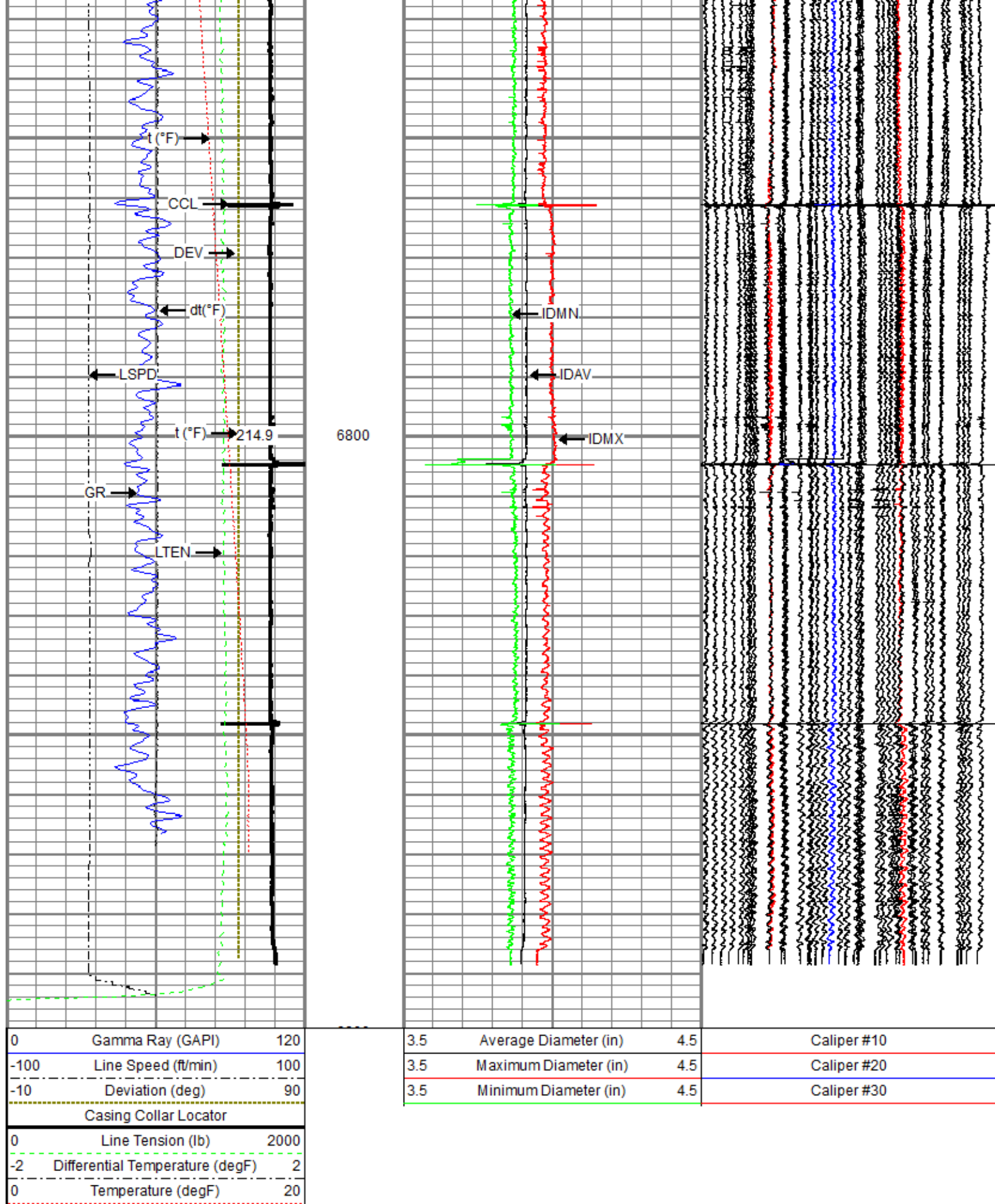




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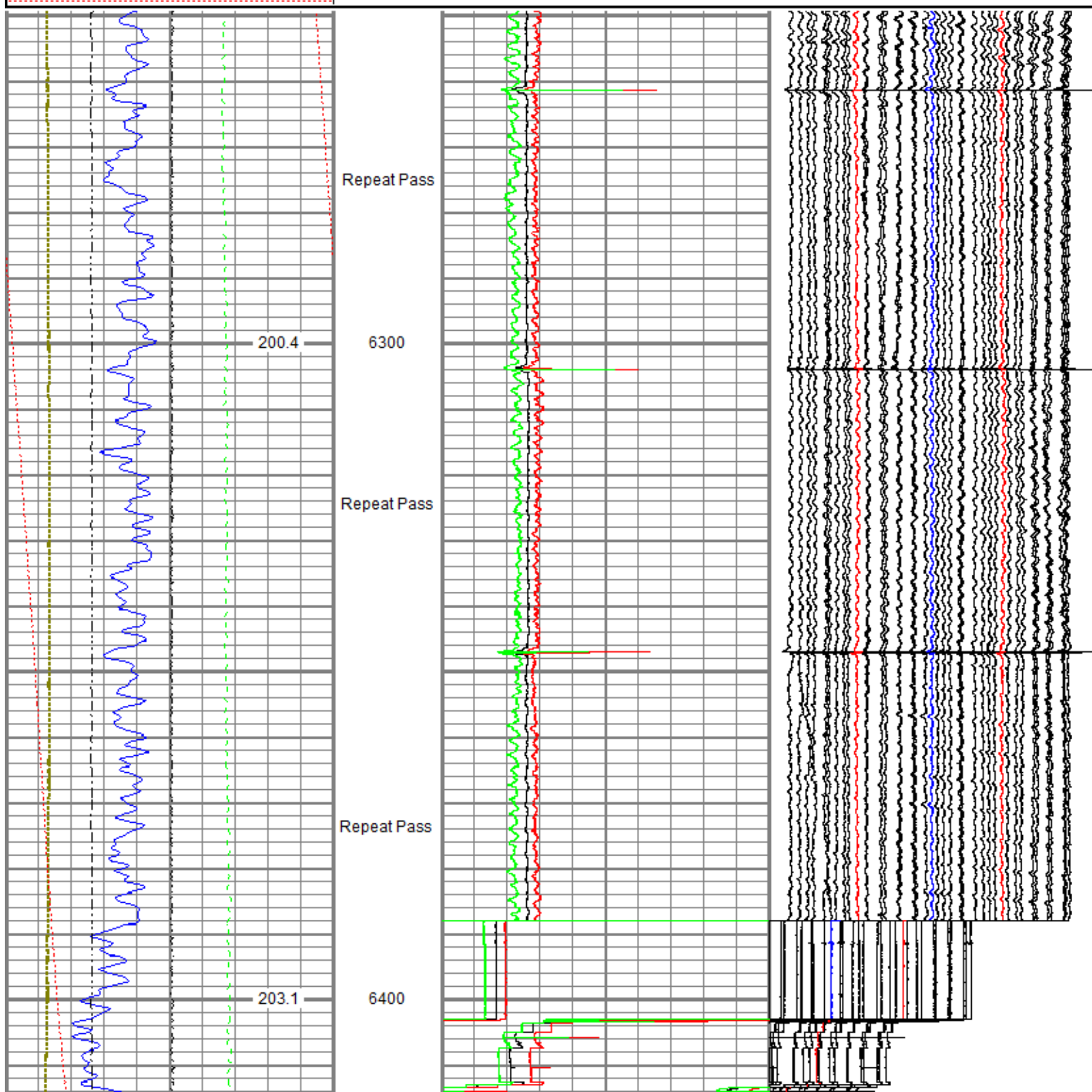
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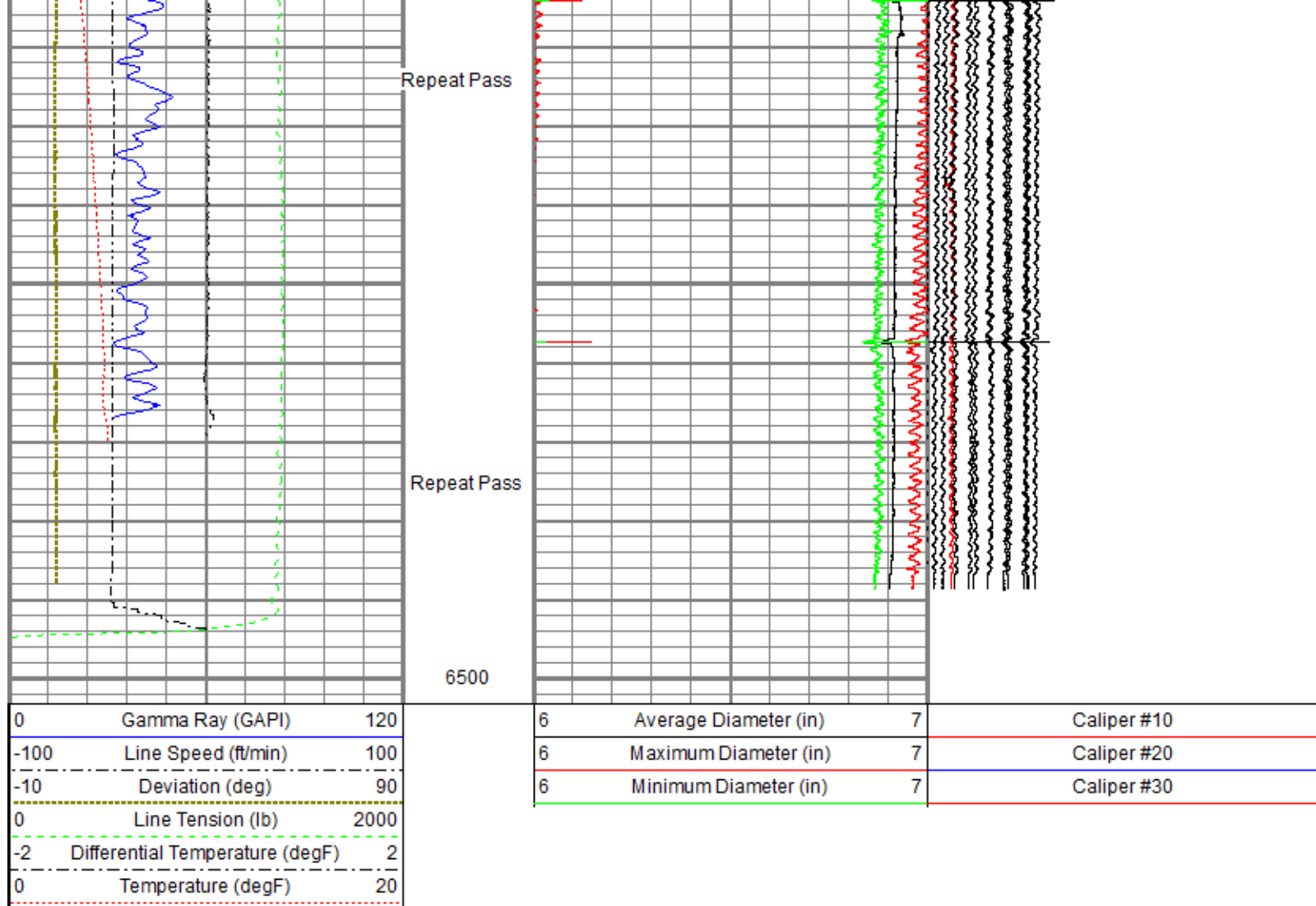


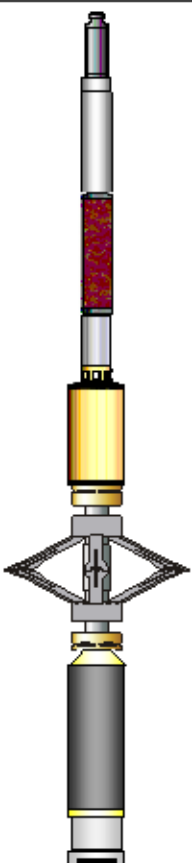


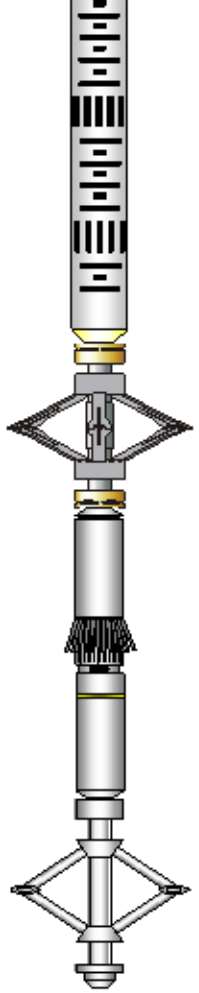
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Presentation Format	ros_70mit40sx
Dataset Creation	Sat Mar 23 14:35:58 2019
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	120	6	Average Diameter (in)	7	Caliper #10
-100	Line Speed (ft/min)	100	6	Maximum Diameter (in)	7	Caliper #20
-10	Deviation (deg)	90	6	Minimum Diameter (in)	7	Caliper #30
0	Line Tension (lb)	2000				
-2	Differential Temperature (degF)	2				
0	Temperature (degF)	20				





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
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		UW CENT-DSS RAC 5 Arm 2-3/4" Roller Centralizer	2.55	2.75	32.00
CBLTEMP	10.02					
MIT	5.27		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: processed_0512347585_anadarko_baja berg 35-8hz_rbl_mit_03-23-19.db: field/well/RCBL-MIT/Main.2 Total length: 29.44 ft Total weight: 364.00 lb O.D.: 3.13 in						

Calibration Report						
Database File	c:\programdata\warrior\data\anadarko\0512347585_anadarko_baja berg 35-8hz_rbl_mit_03-23-19\processed_0512347585_and					
Dataset Pathname	RCBL-MIT/Main.2					
Dataset Creation	Mon Mar 25 11:08:32 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				
Vertical:		Inc X		Inc Y		
Finger 1 up:		1976		1969		
Finger 31 up:		1767		1739		
Finger 21 up:		2209		1752		
Finger 11 up:		2192		2204		
Finger 11 up:		1740		2184		
Sensitivity ratio:		0.997187				
X-axis angle:		132.538				
Deviation const.:		316.459				
Finger Calibration Report						
Performed:		Sat Mar 23 13:51:38 2019				
Ring size:	4	5	6	7		
(in)						
Finger 01:	1476	Sens 274.0	1750	Sens 285.0	2035	Sens 297.0
					2332	

Finger 01:	1478	274.0	1750	283.0	2030	286.0	2332
Finger 02:	1480	272.0	1752	278.0	2030	286.0	2316
Finger 03:	1546	261.0	1807	259.0	2066	262.0	2328
Finger 04:	1432	289.0	1721	299.0	2020	308.0	2328
Finger 05:	1533	257.0	1790	262.0	2052	271.0	2323
Finger 06:	1471	280.0	1751	283.0	2034	299.0	2333
Finger 07:	1507	271.0	1778	273.0	2051	291.0	2342
Finger 08:	1469	278.0	1747	286.0	2033	310.0	2343
Finger 09:	1494	277.0	1771	284.0	2055	298.0	2353
Finger 10:	1455	287.0	1742	293.0	2035	306.0	2341
Finger 11:	1181	368.0	1549	390.0	1939	411.0	2350
Finger 12:	1511	270.0	1781	278.0	2059	290.0	2349
Finger 13:	1516	261.0	1777	274.0	2051	290.0	2341
Finger 14:	1540	259.0	1799	272.0	2071	283.0	2354
Finger 15:	1537	259.0	1796	266.0	2062	281.0	2343
Finger 16:	1486	278.0	1764	290.0	2054	307.0	2361
Finger 17:	1553	251.0	1804	261.0	2065	281.0	2346
Finger 18:	1481	272.0	1753	288.0	2041	307.0	2348
Finger 19:	1532	254.0	1786	276.0	2062	283.0	2345
Finger 20:	1522	258.0	1780	275.0	2055	288.0	2343
Finger 21:	1454	277.0	1731	298.0	2029	318.0	2347
Finger 22:	1452	274.0	1726	303.0	2029	309.0	2338
Finger 23:	1465	276.0	1741	296.0	2037	306.0	2343
Finger 24:	1504	255.0	1759	278.0	2037	290.0	2327
Finger 25:	1442	274.0	1716	305.0	2021	318.0	2339
Finger 26:	1453	271.0	1724	295.0	2019	308.0	2327
Finger 27:	1536	252.0	1788	262.0	2050	284.0	2334
Finger 28:	1496	256.0	1752	282.0	2034	295.0	2329
Finger 29:	1509	259.0	1768	279.0	2047	289.0	2336
Finger 30:	1469	264.0	1733	290.0	2023	301.0	2324
Finger 31:	1478	260.0	1738	285.0	2023	298.0	2321
Finger 32:	1444	273.0	1717	299.0	2016	309.0	2325
Finger 33:	1458	270.0	1728	294.0	2022	301.0	2323
Finger 34:	1483	262.0	1745	283.0	2028	292.0	2320
Finger 35:	1446	274.0	1720	297.0	2017	302.0	2319
Finger 36:	1504	262.0	1766	279.0	2045	291.0	2336
Finger 37:	1458	274.0	1732	291.0	2023	300.0	2323
Finger 38:	1472	271.0	1743	280.0	2023	289.0	2312
Finger 39:	1421	287.0	1708	302.0	2010	313.0	2323
Finger 40:	1458	272.0	1730	286.0	2016	296.0	2312

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 (Derived):						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	-0.002	0.818	0.800	62.200	74.948	0.920
5FT	-0.004	0.811	0.800	62.200	75.345	1.070
S1	-0.002	0.747	0.000	100.000	133.598	0.218
S2	-0.003	0.752	0.000	100.000	132.390	0.405
S3	-0.004	0.800	0.000	100.000	124.448	0.498
S4	-0.002	0.853	0.000	100.000	116.968	0.256
S5	-0.002	0.867	0.000	100.000	115.123	0.197
S6	-0.004	0.867	0.000	100.000	114.790	0.425
S7	-0.003	0.825	0.000	100.000	120.801	0.321
S8	-0.003	0.770	0.000	100.000	129.445	0.369

Temperature Calibration Report		
Serial Number:		10024052
Tool Model:		016
Performed:		Mon Oct 01 10:54:16 2018
Point #	Reading	Reference

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 35-8HZ
Field	Wattenberg
County	Weld
State	Colorado