

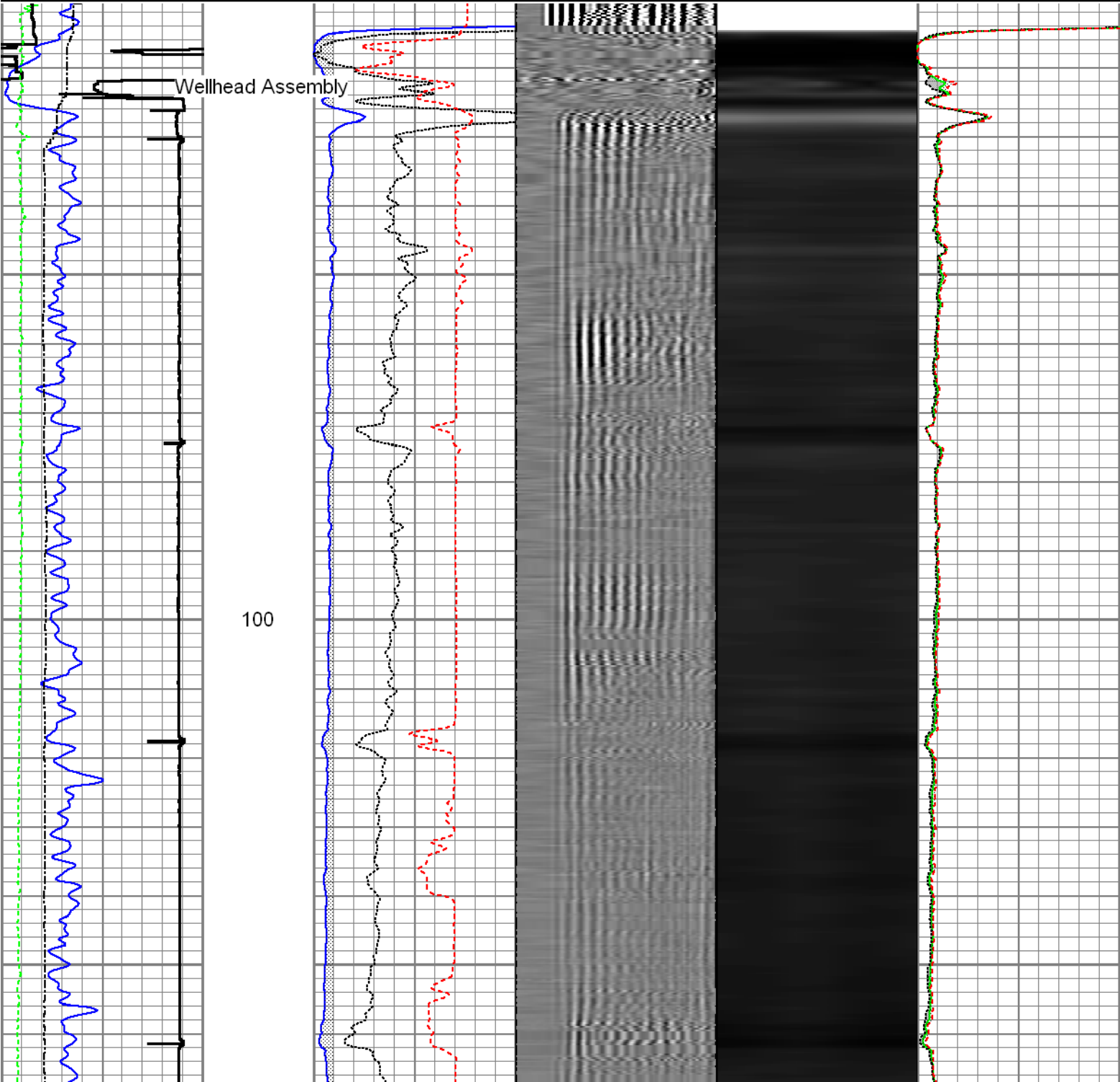


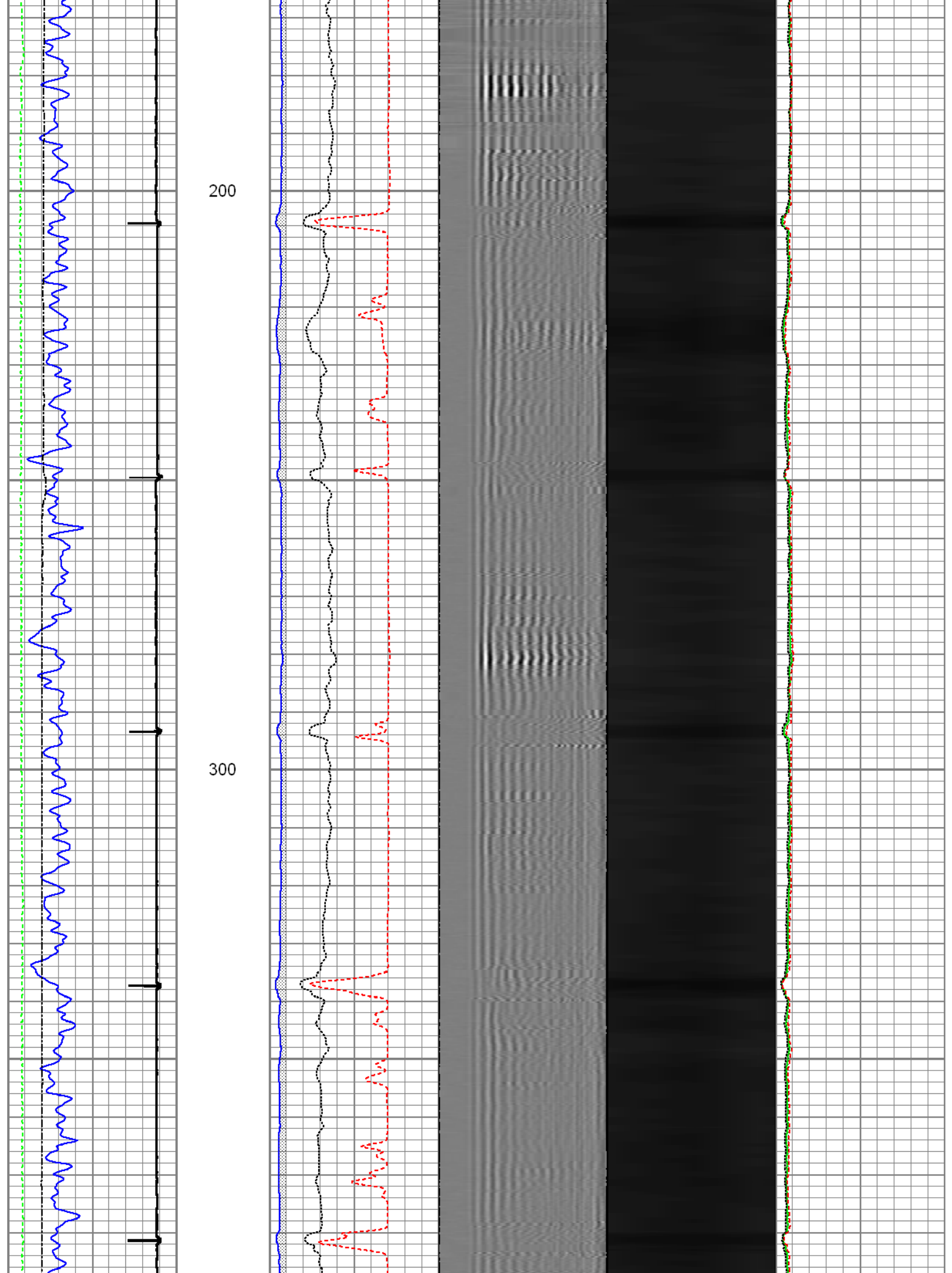
<<< Fold Here >>>
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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 6802 FT Adjusted log +4 FT to correlate with liner top Gauge Ring/Junk Basket ran to 7000 FT no debris was found after run No debris found on logging tools upon completion of run Thank you for choosing FMC Technologies Completion Services, Inc.!!

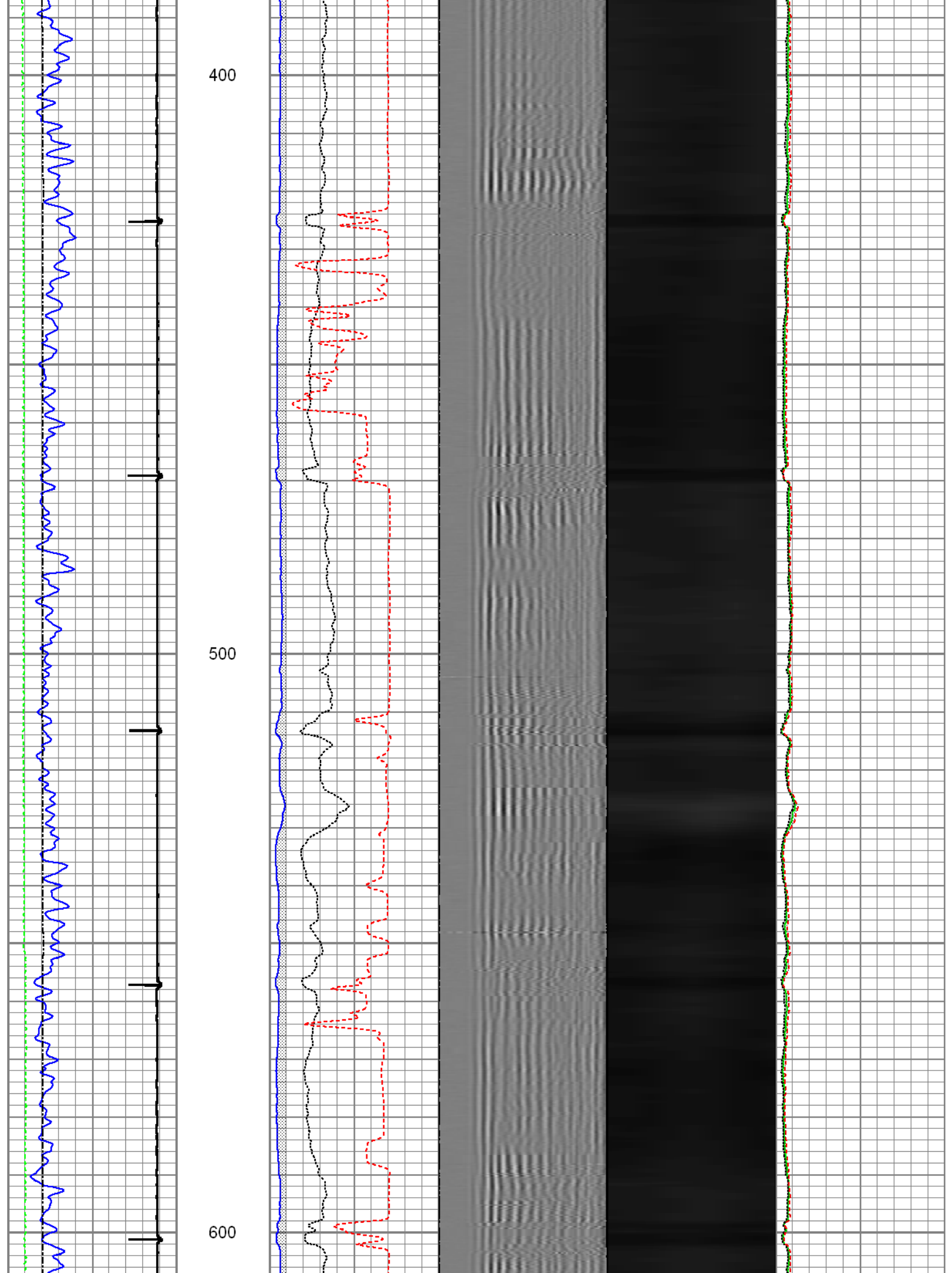


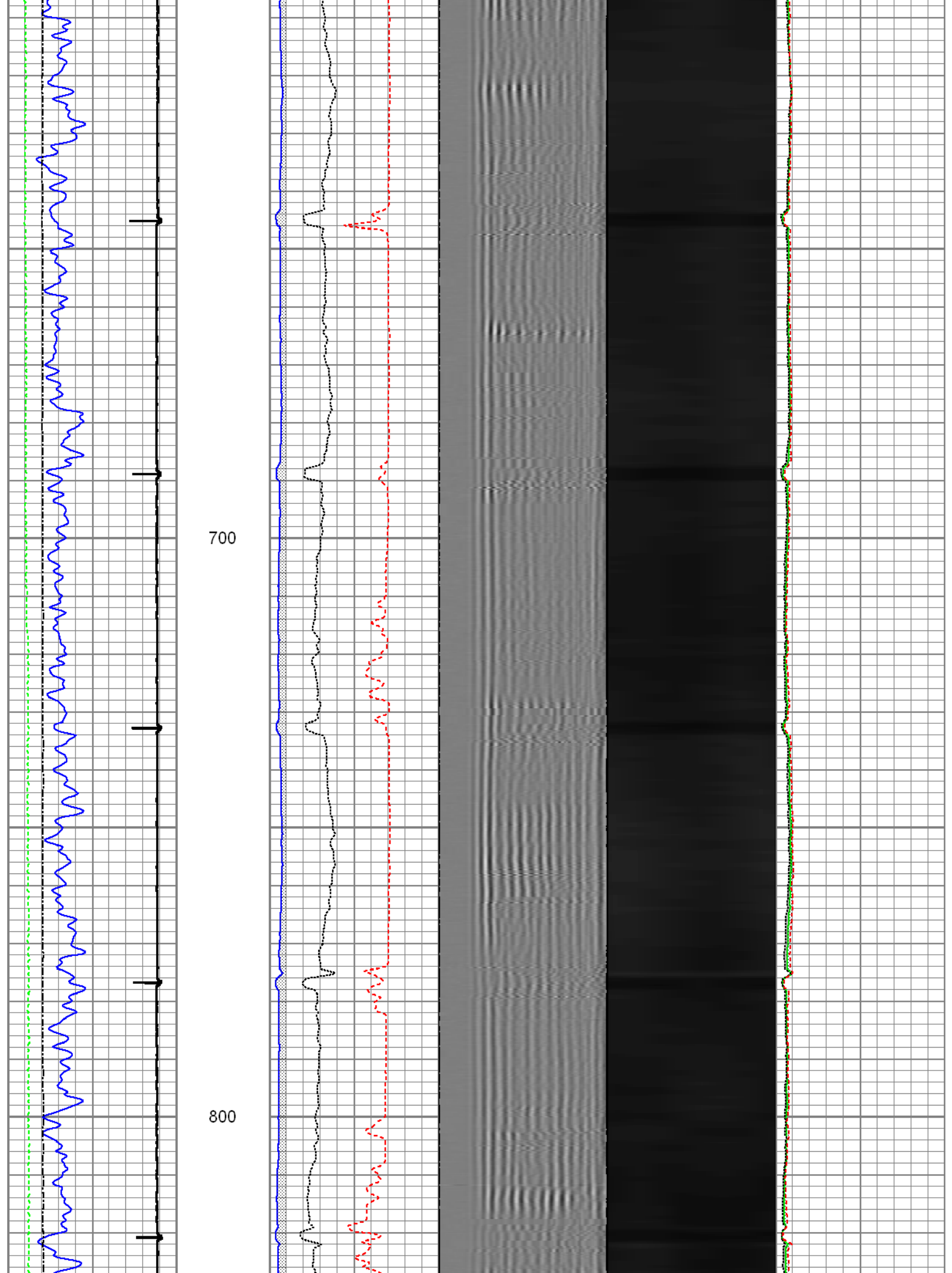
Database File: 0512340886_anadarko_hunziker 2n-4hz_06-16-15_mit_rbl.db
Dataset Pathname: pass11
Presentation Format: rbt4_mit
Dataset Creation: Tue Jun 16 10:28:23 2015 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

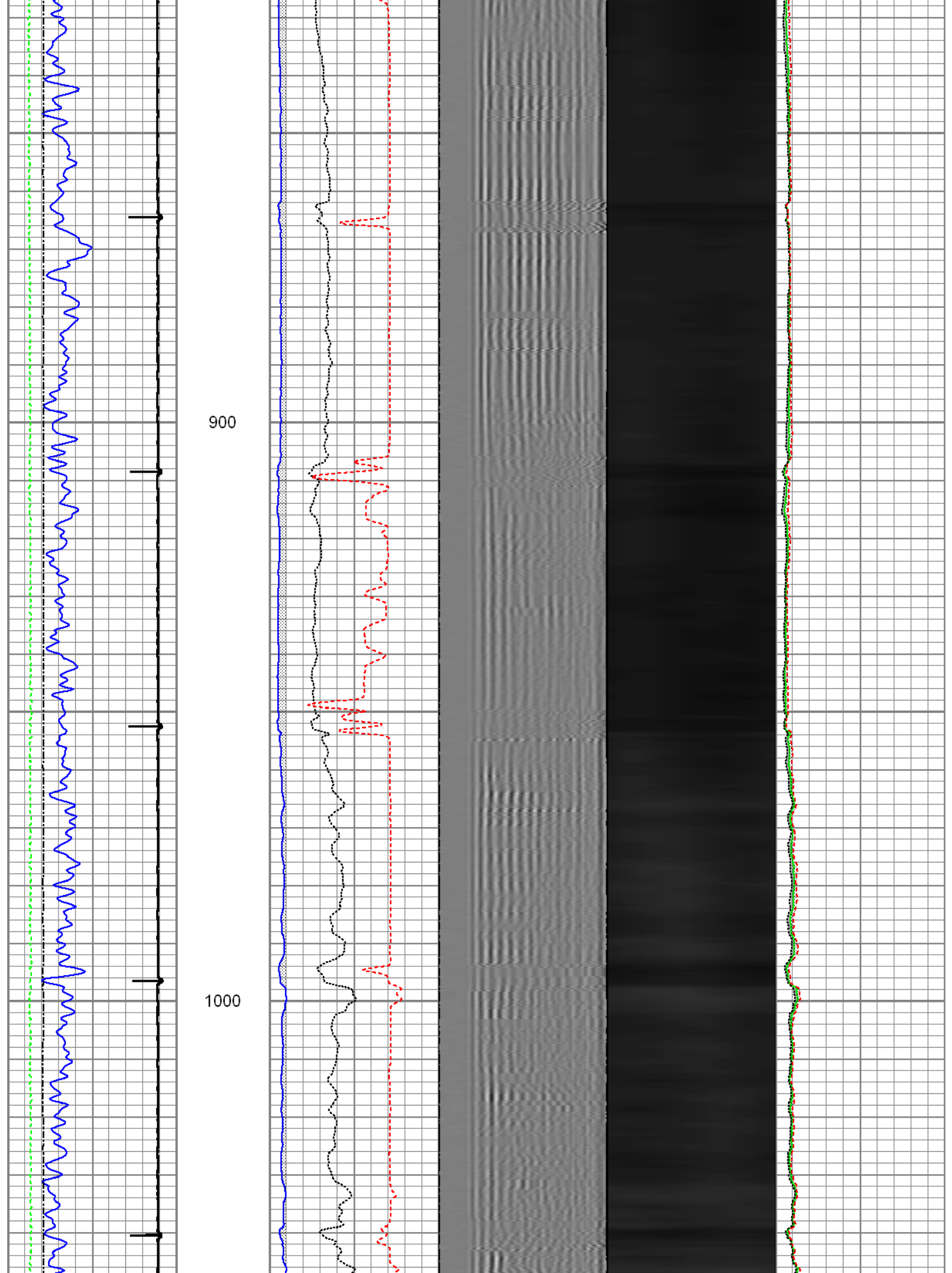
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
Line Speed	0 (mV) 20			0 100
-100 (ft/min) 100	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000				

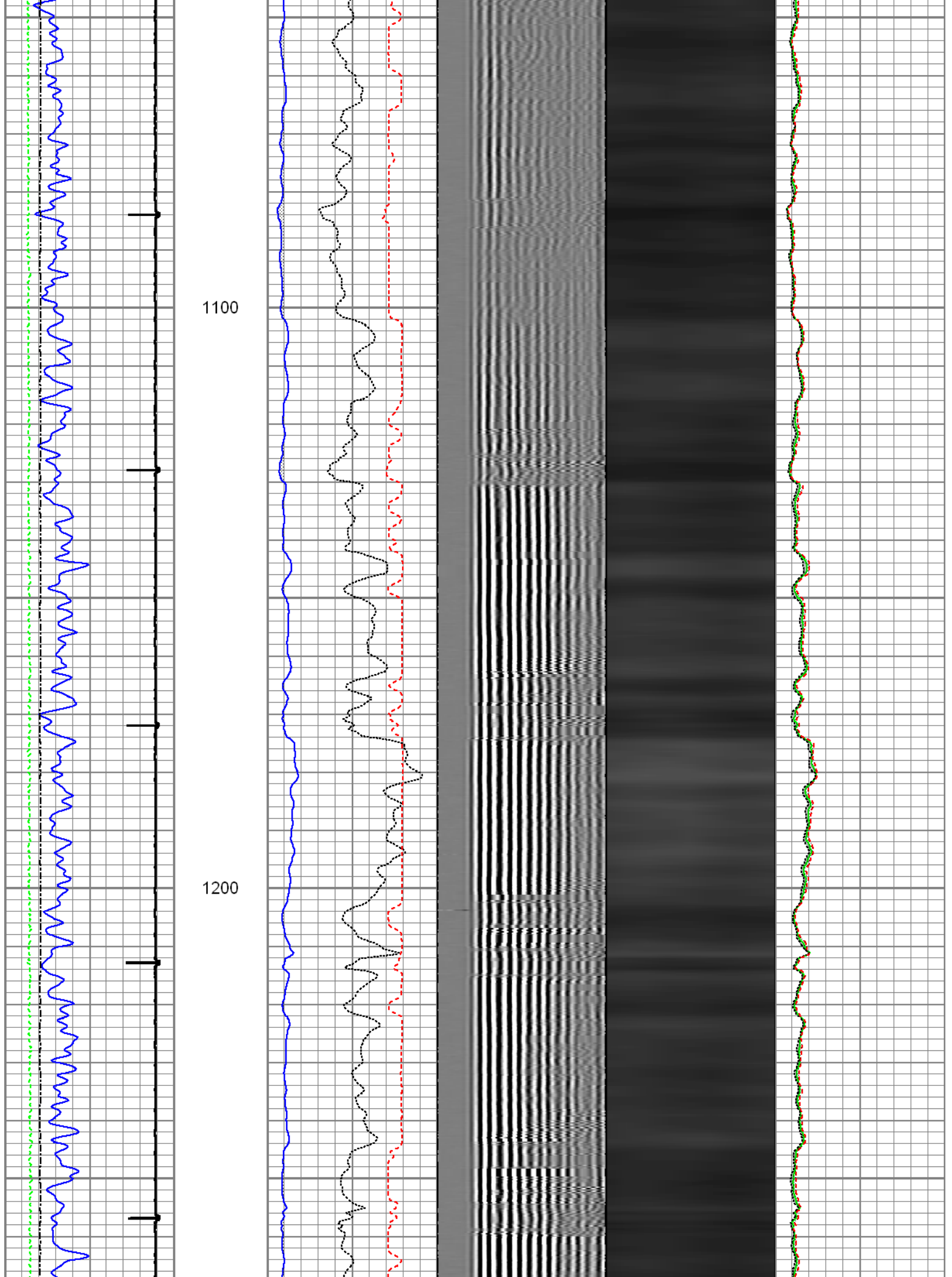


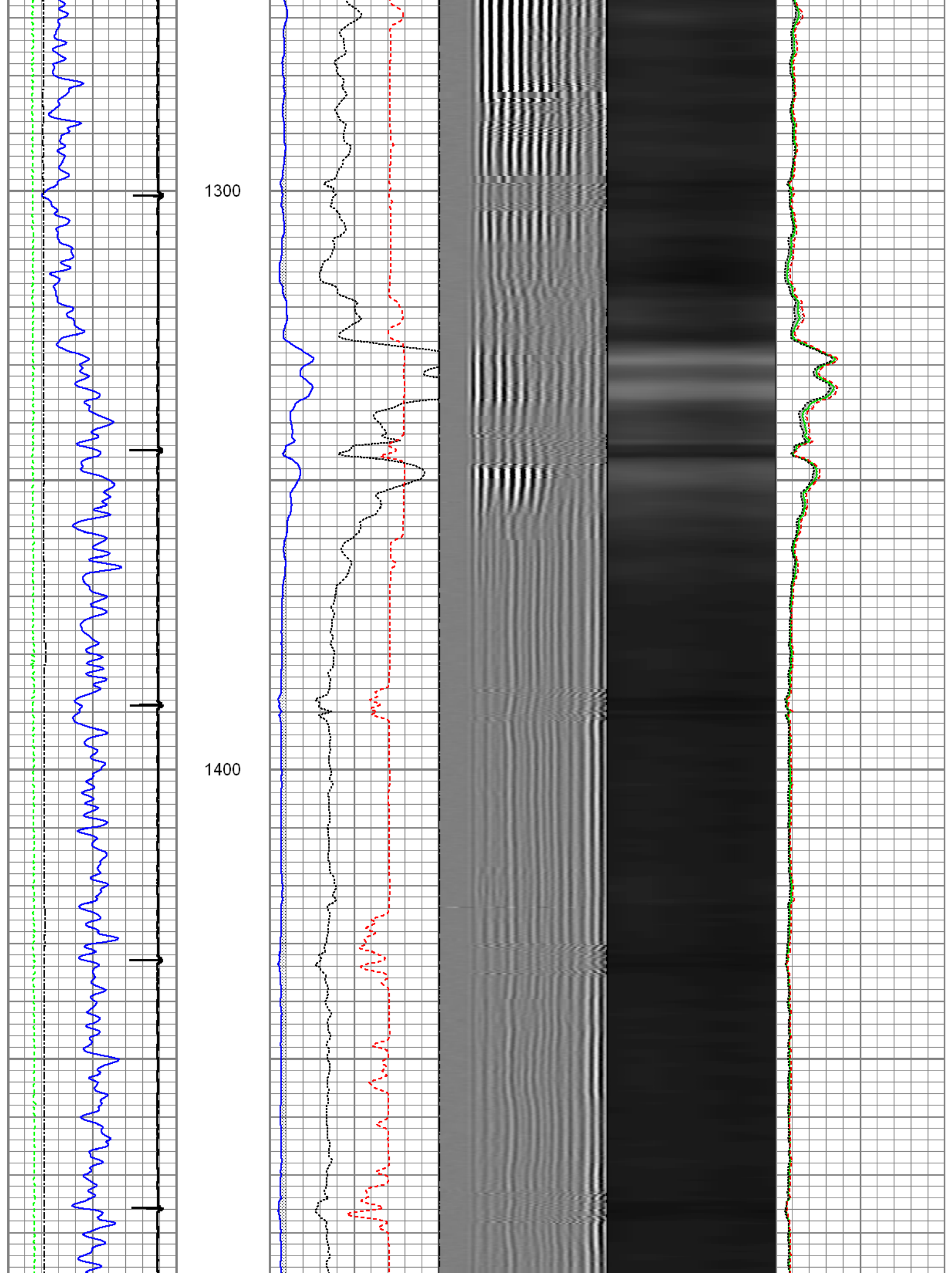


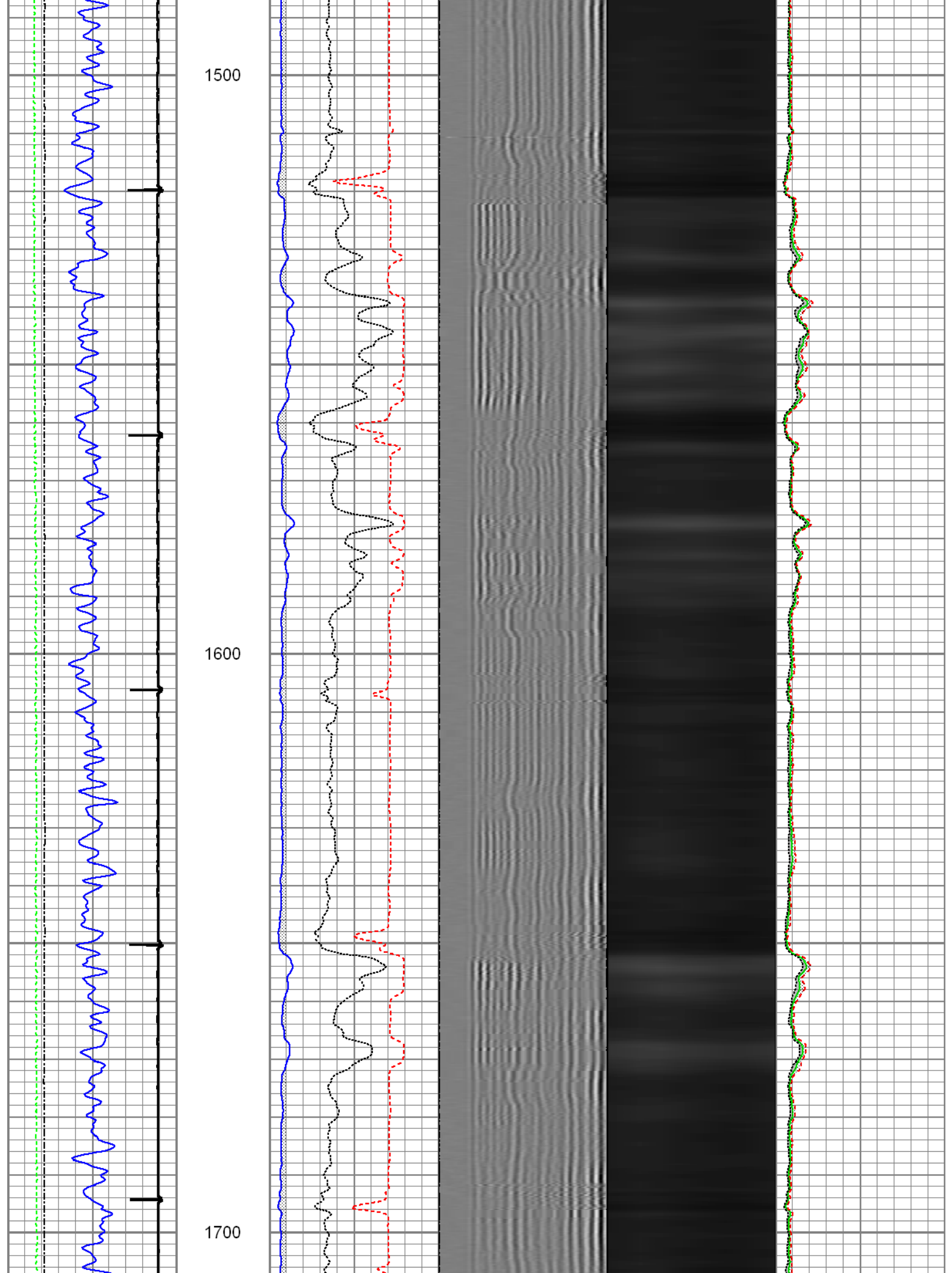


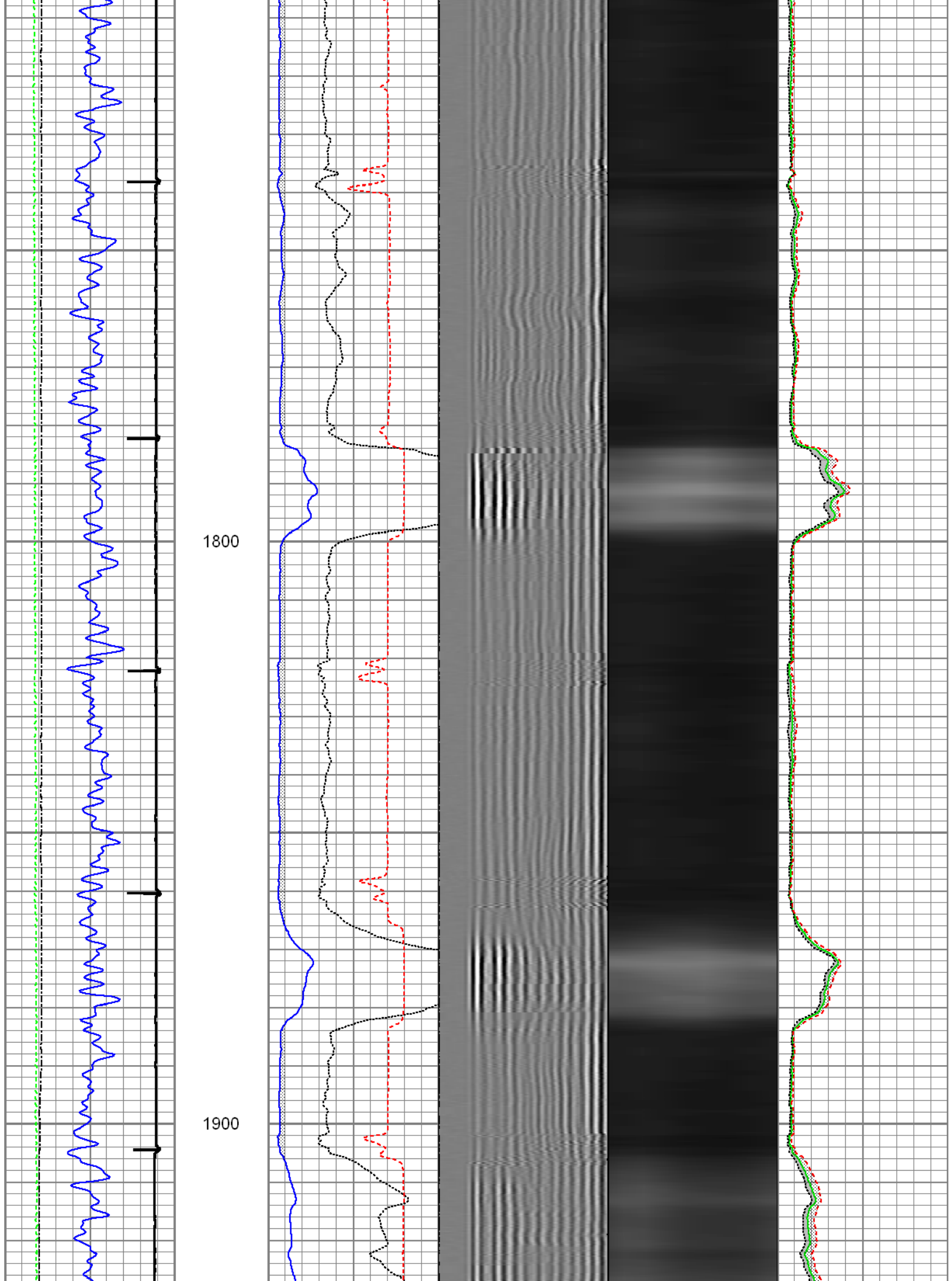


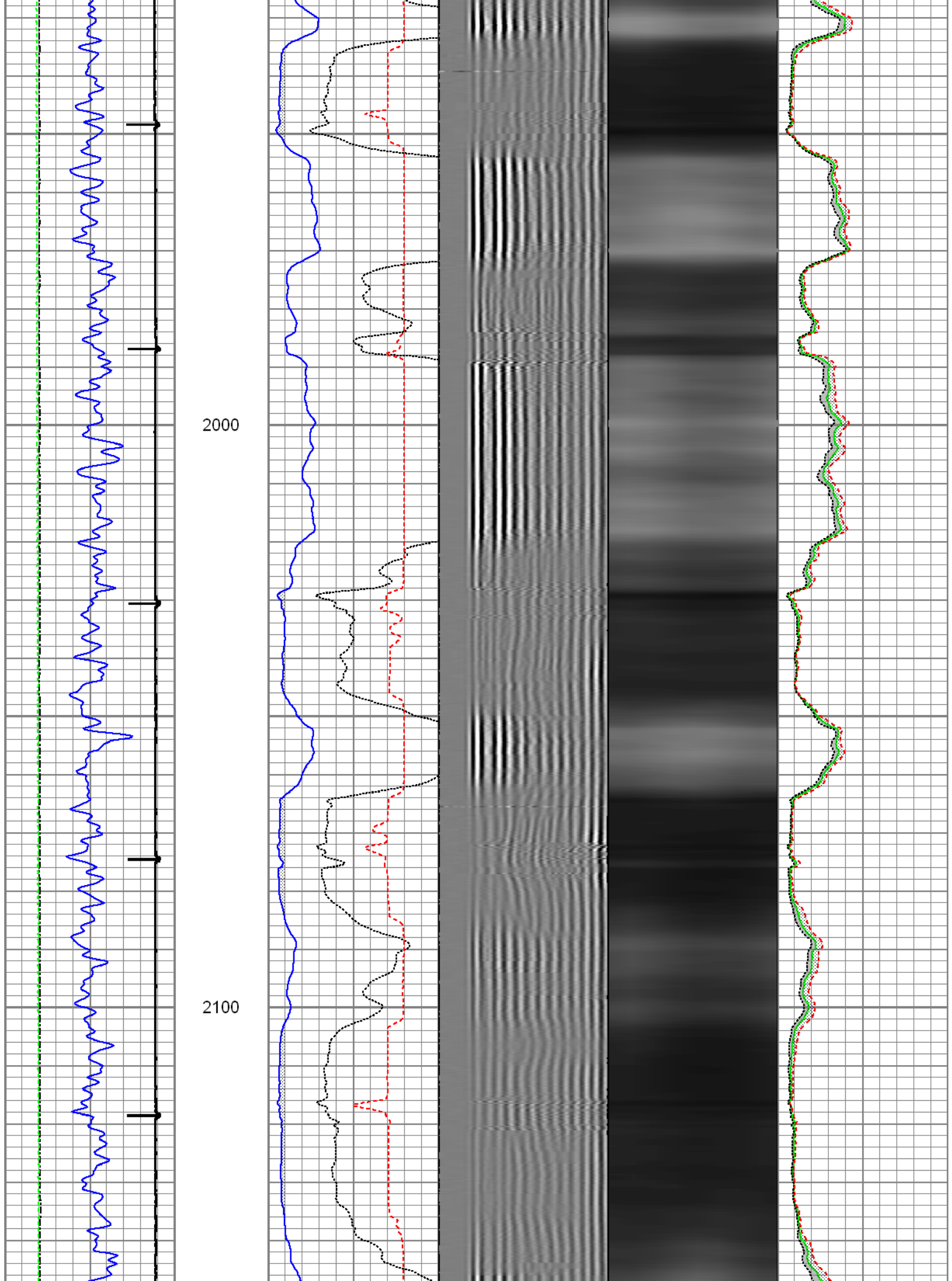


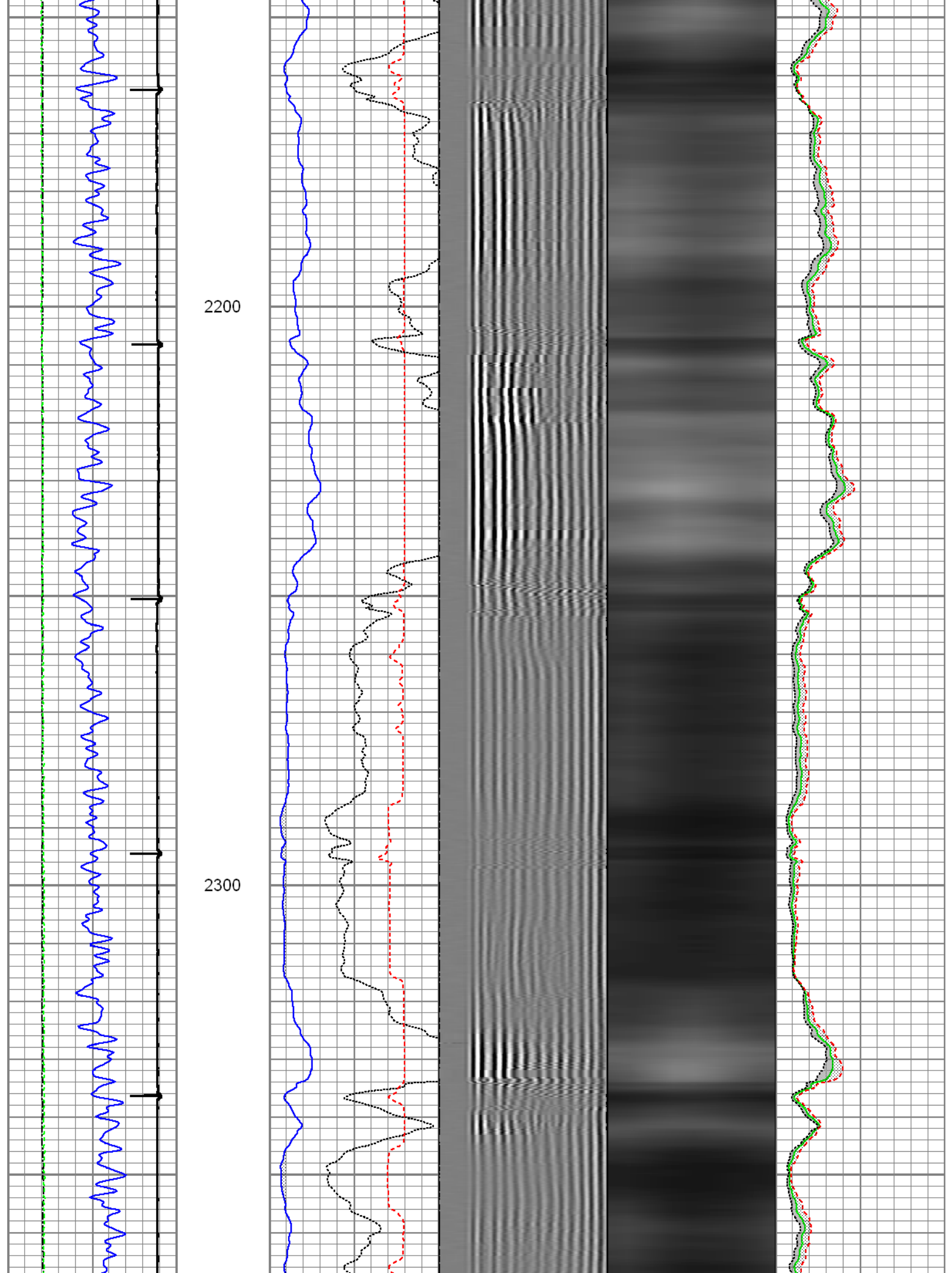






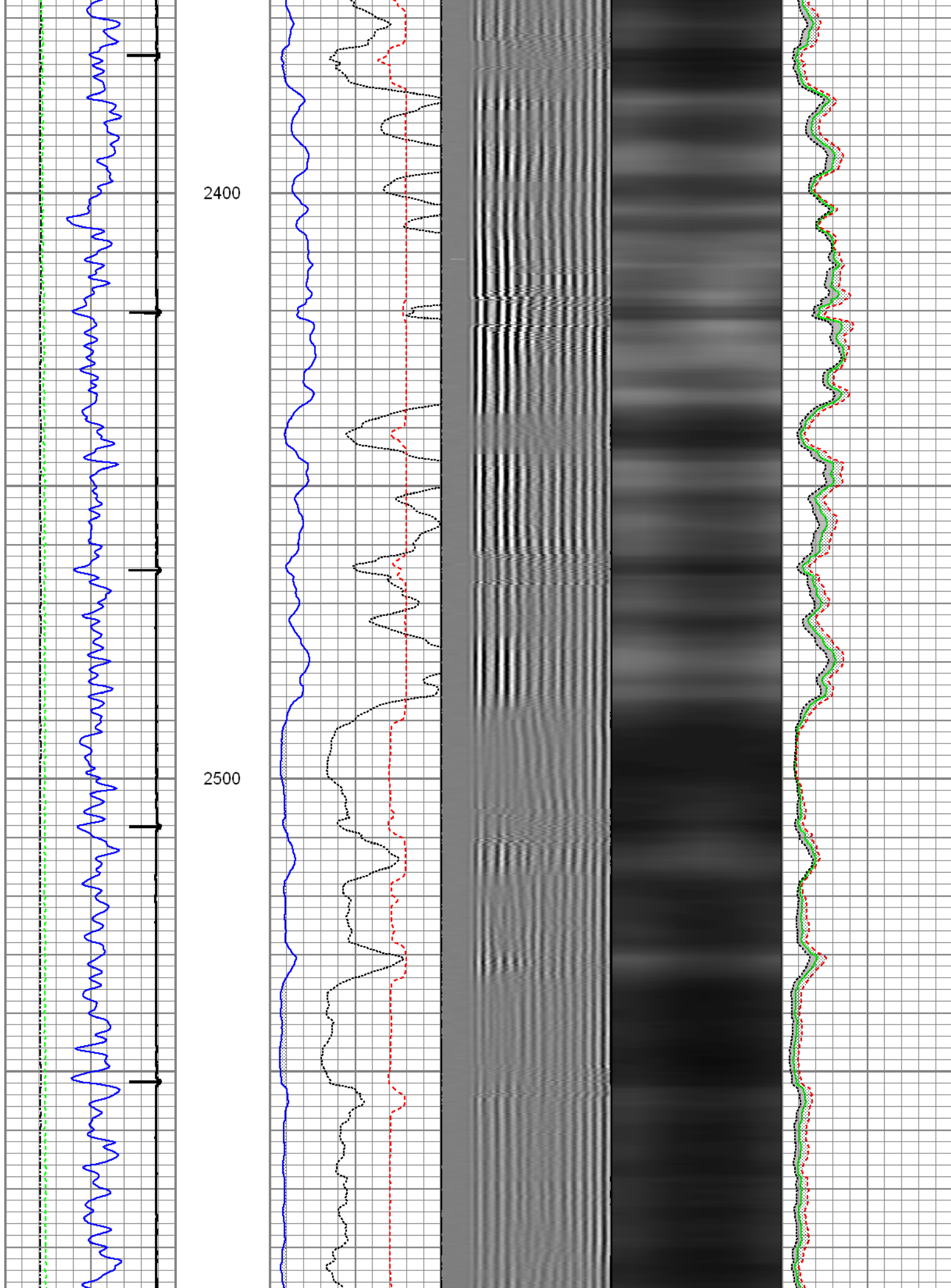






2400

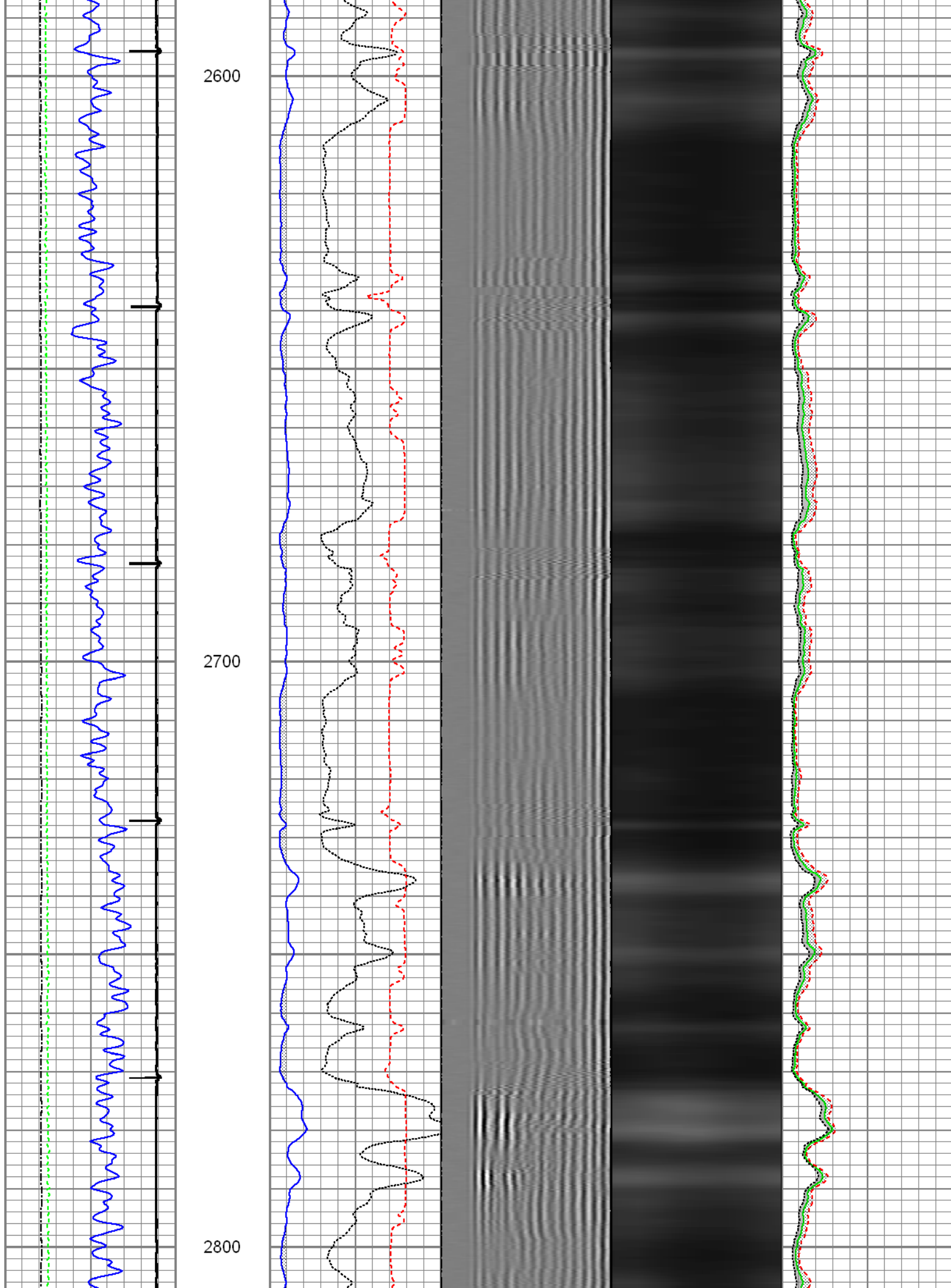
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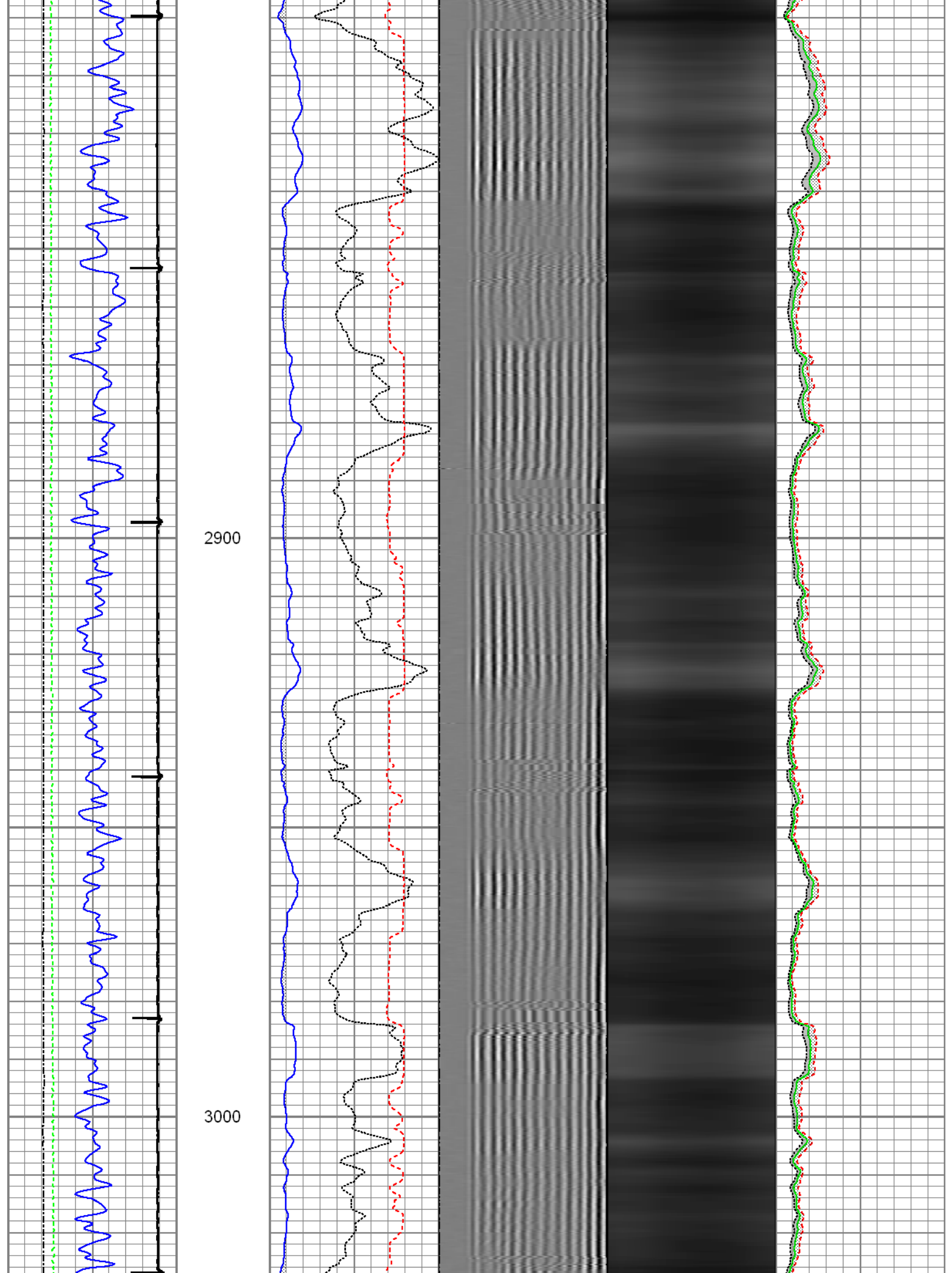


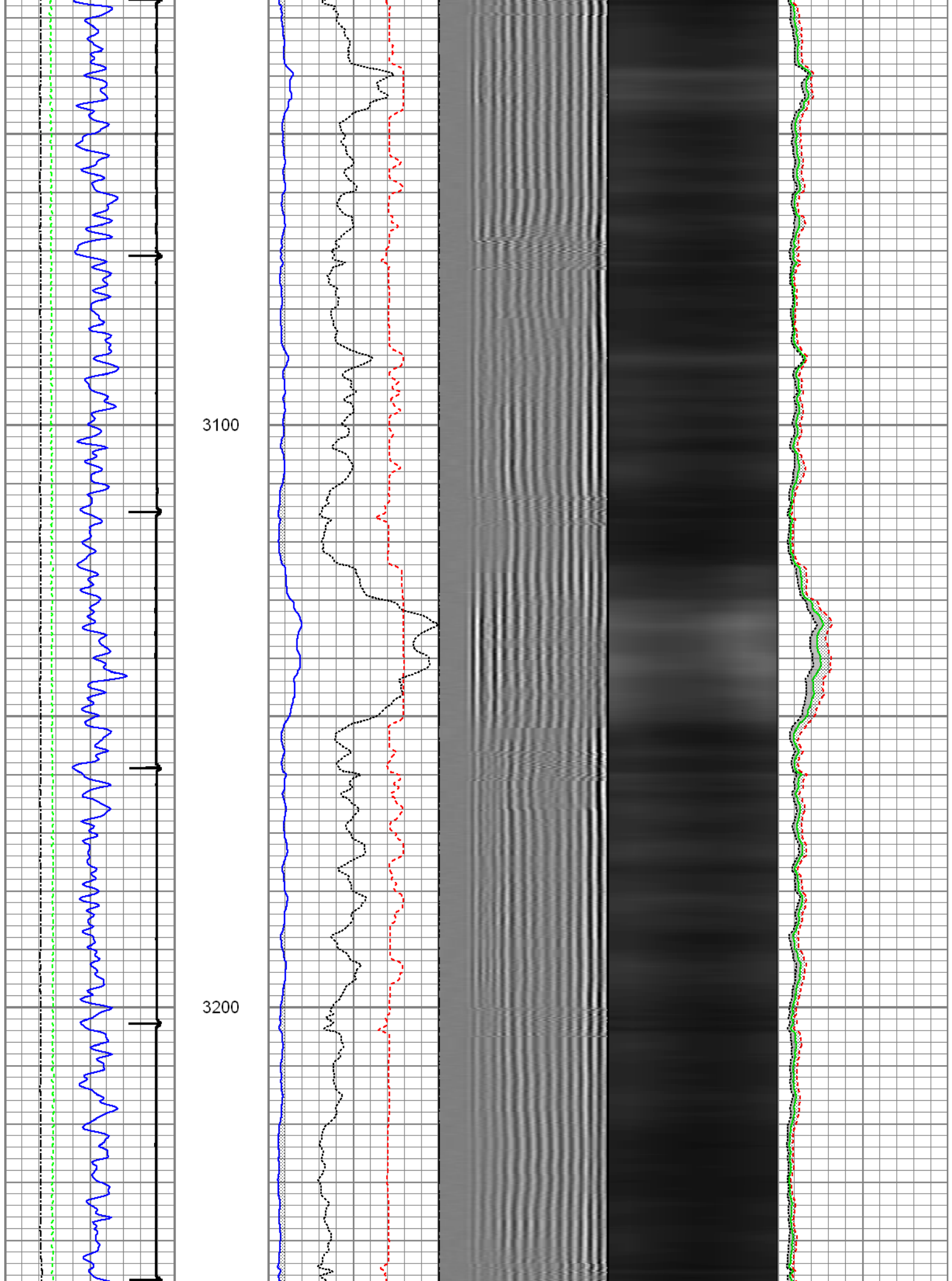
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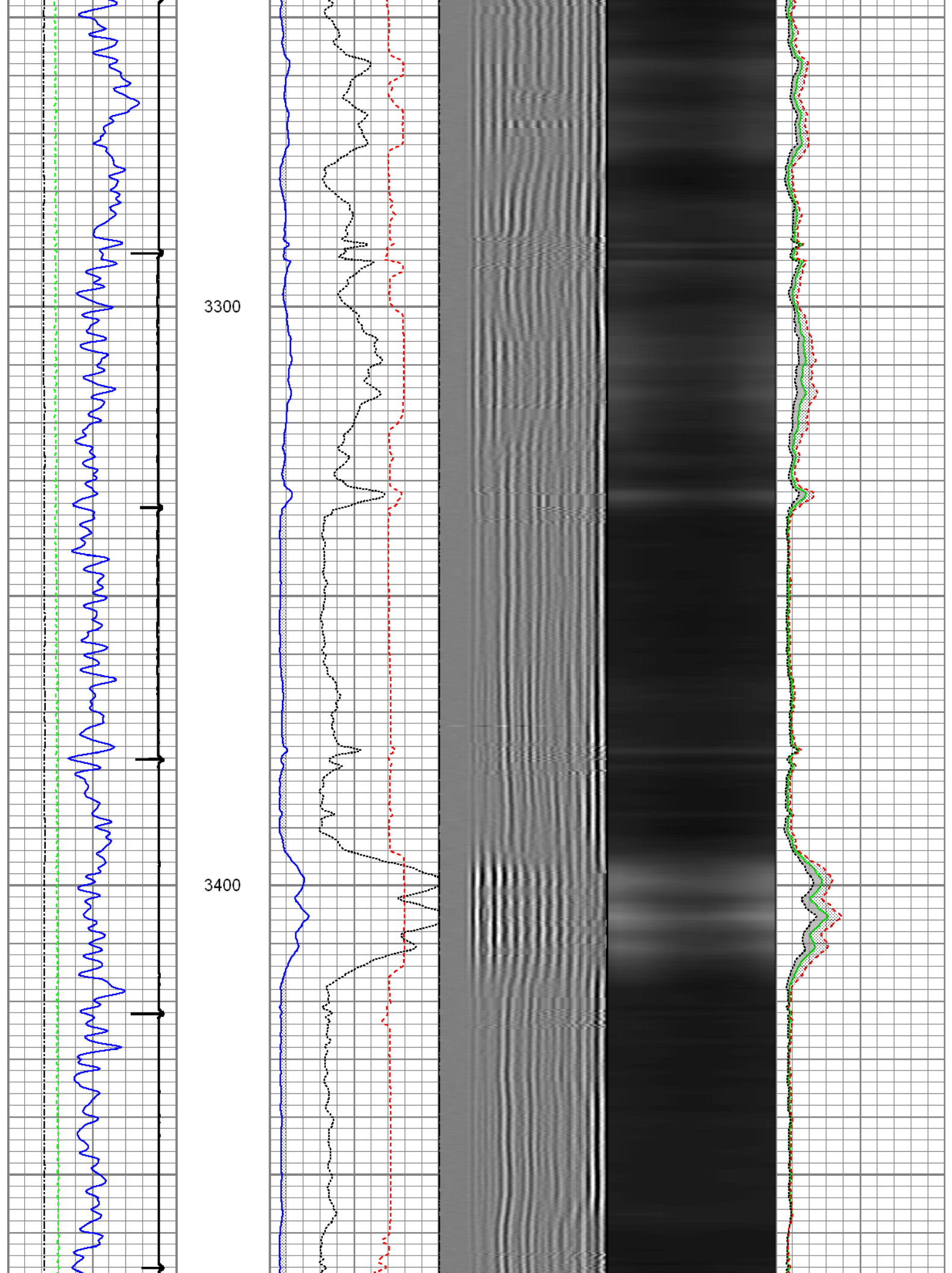
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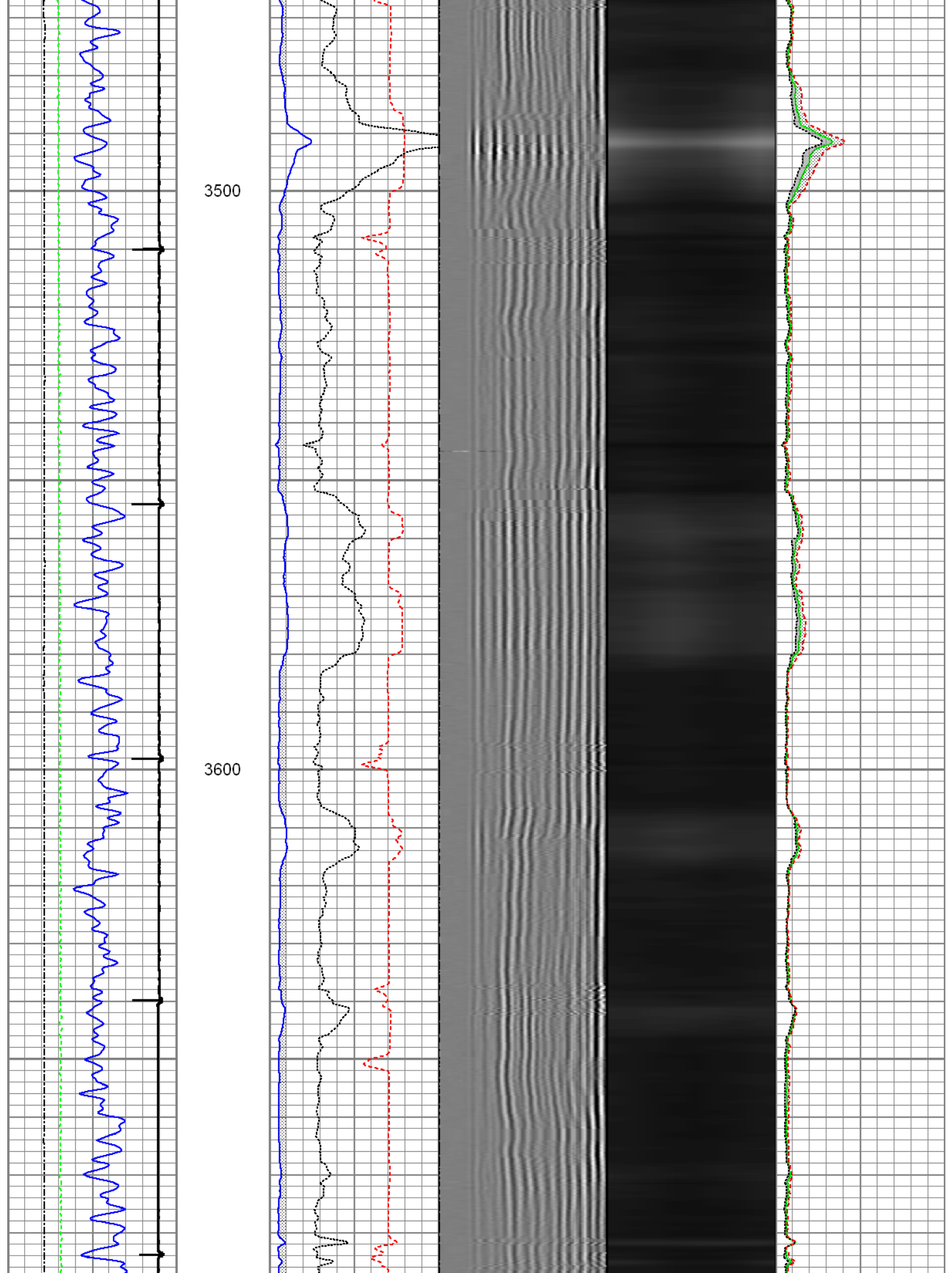
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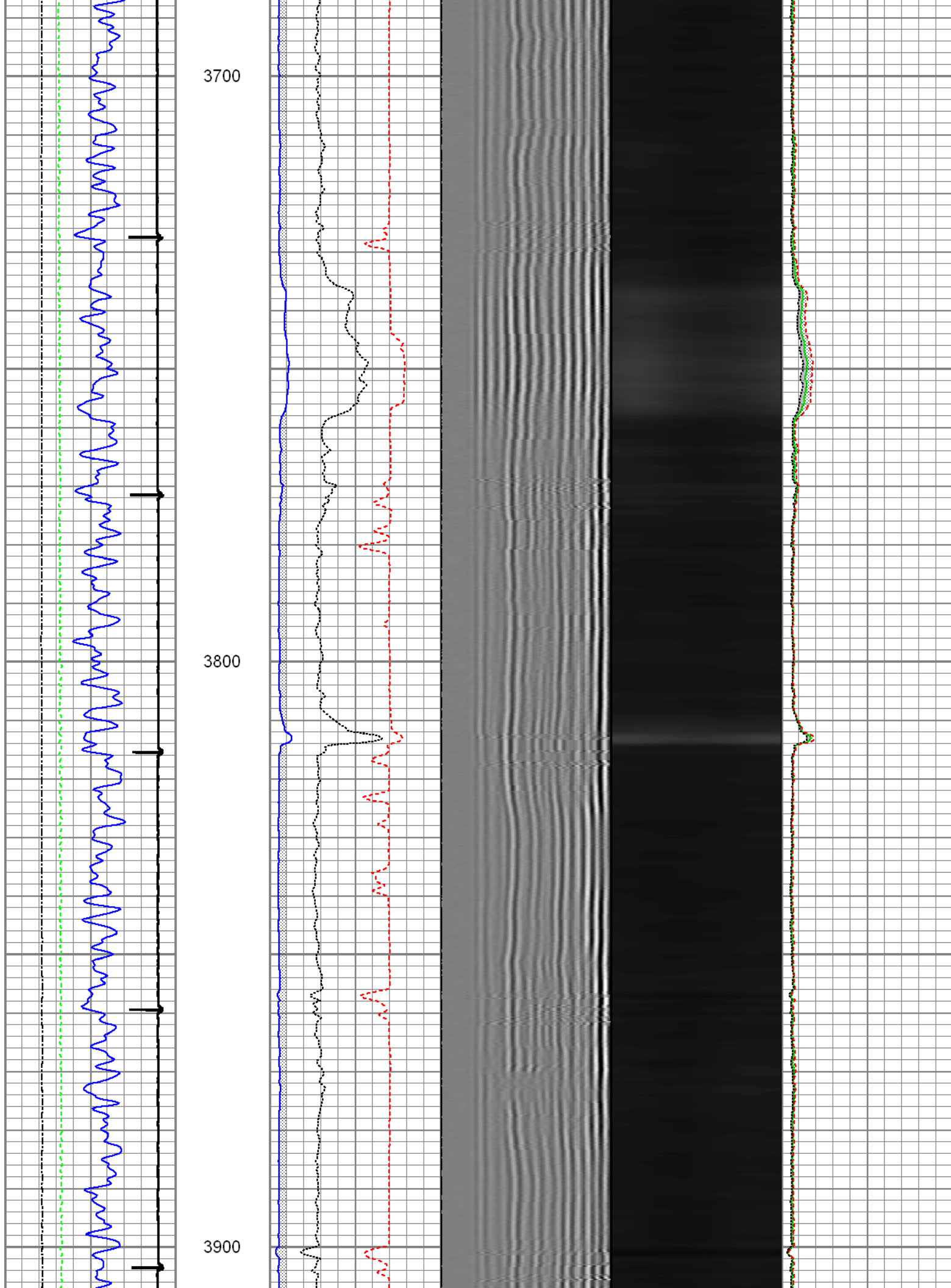


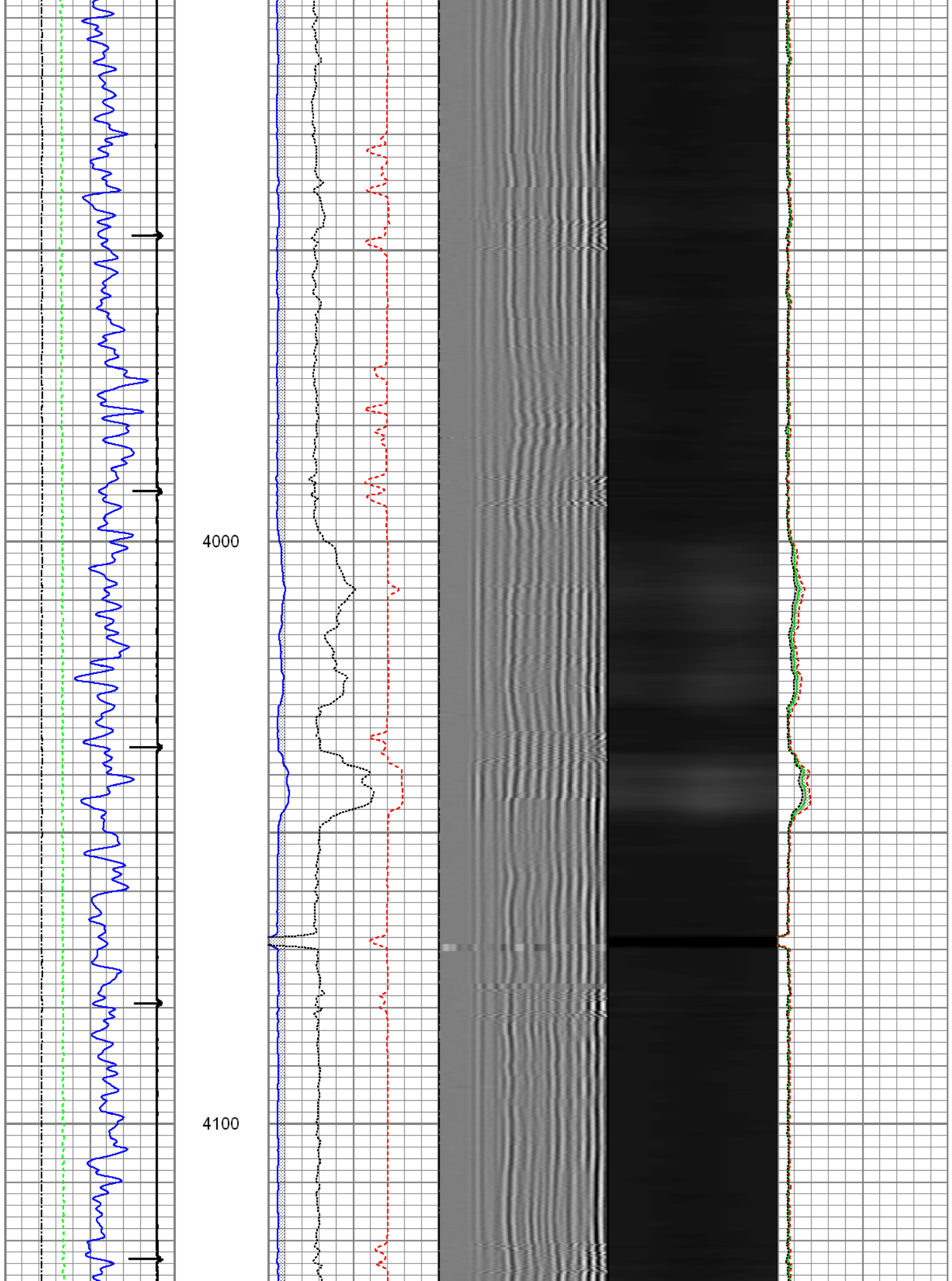


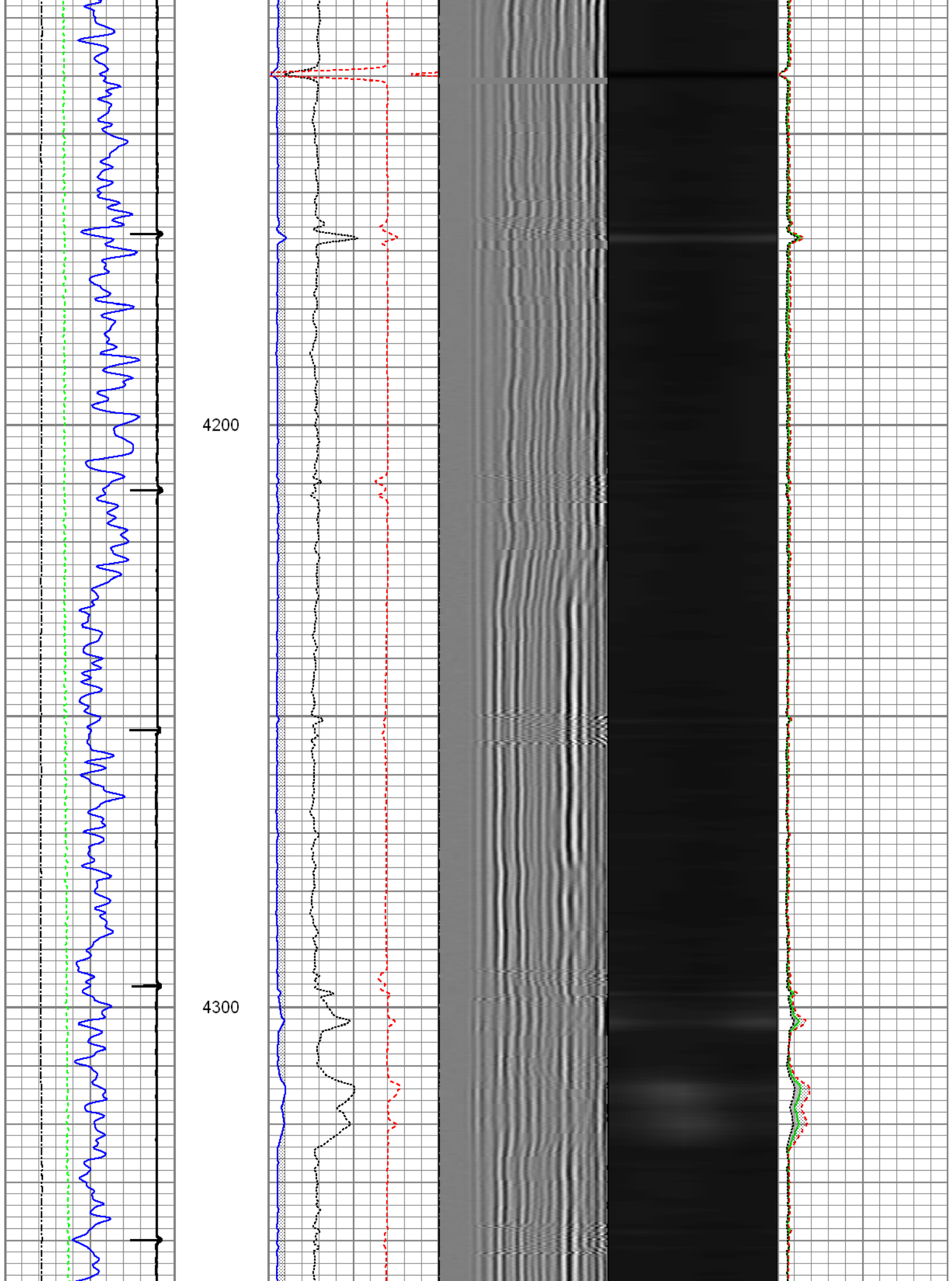
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3800

3900

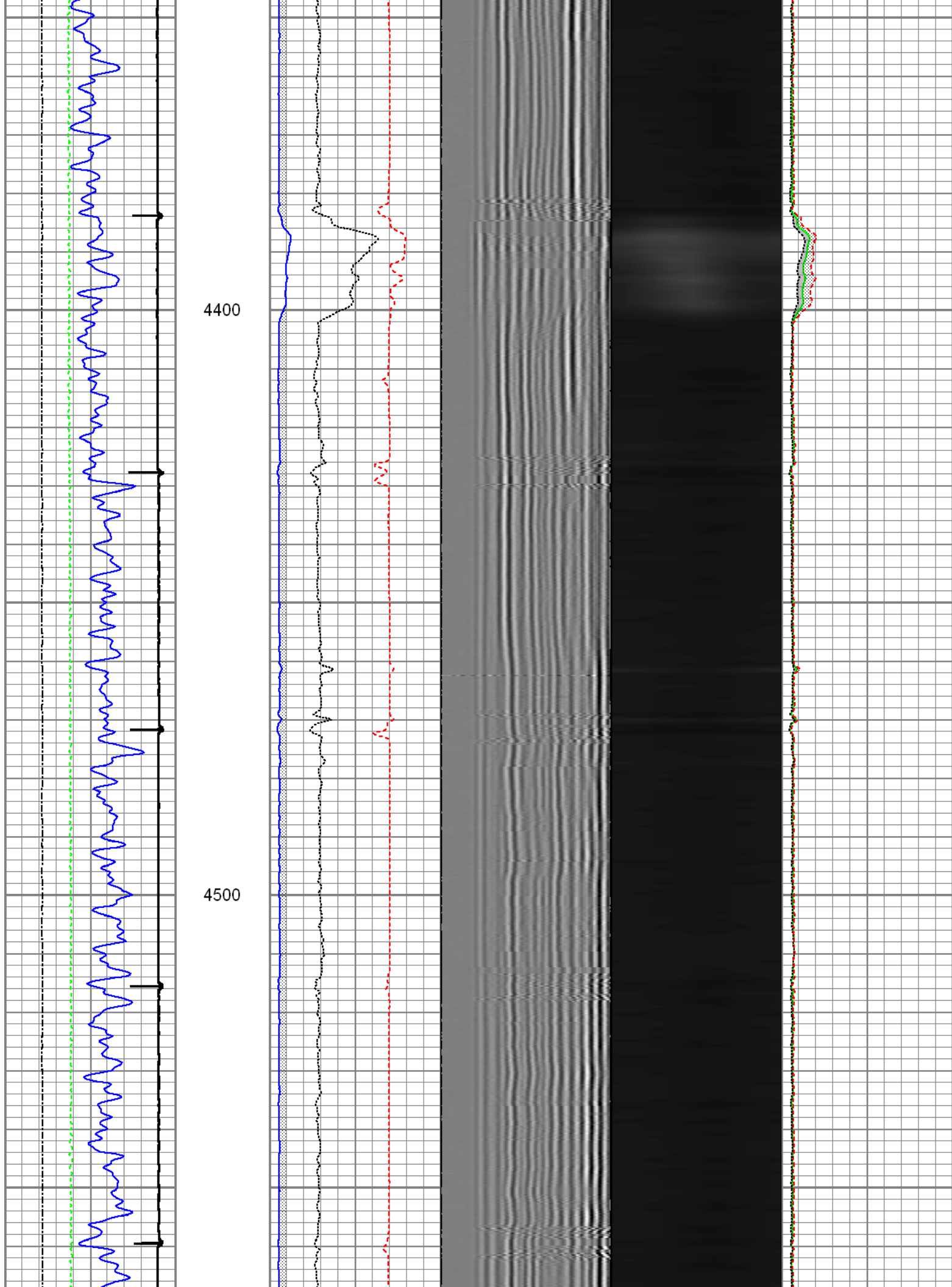


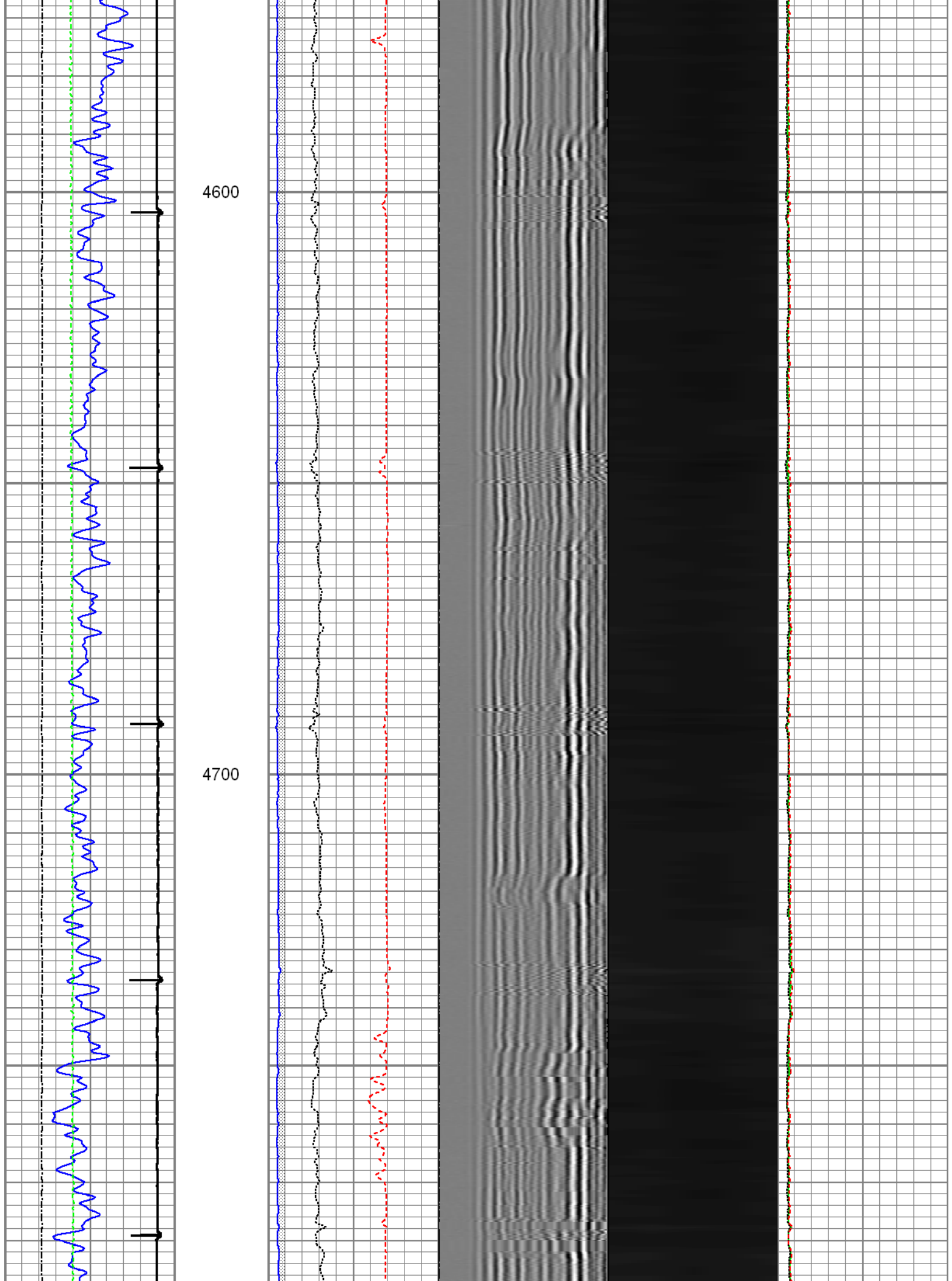




4400

4500

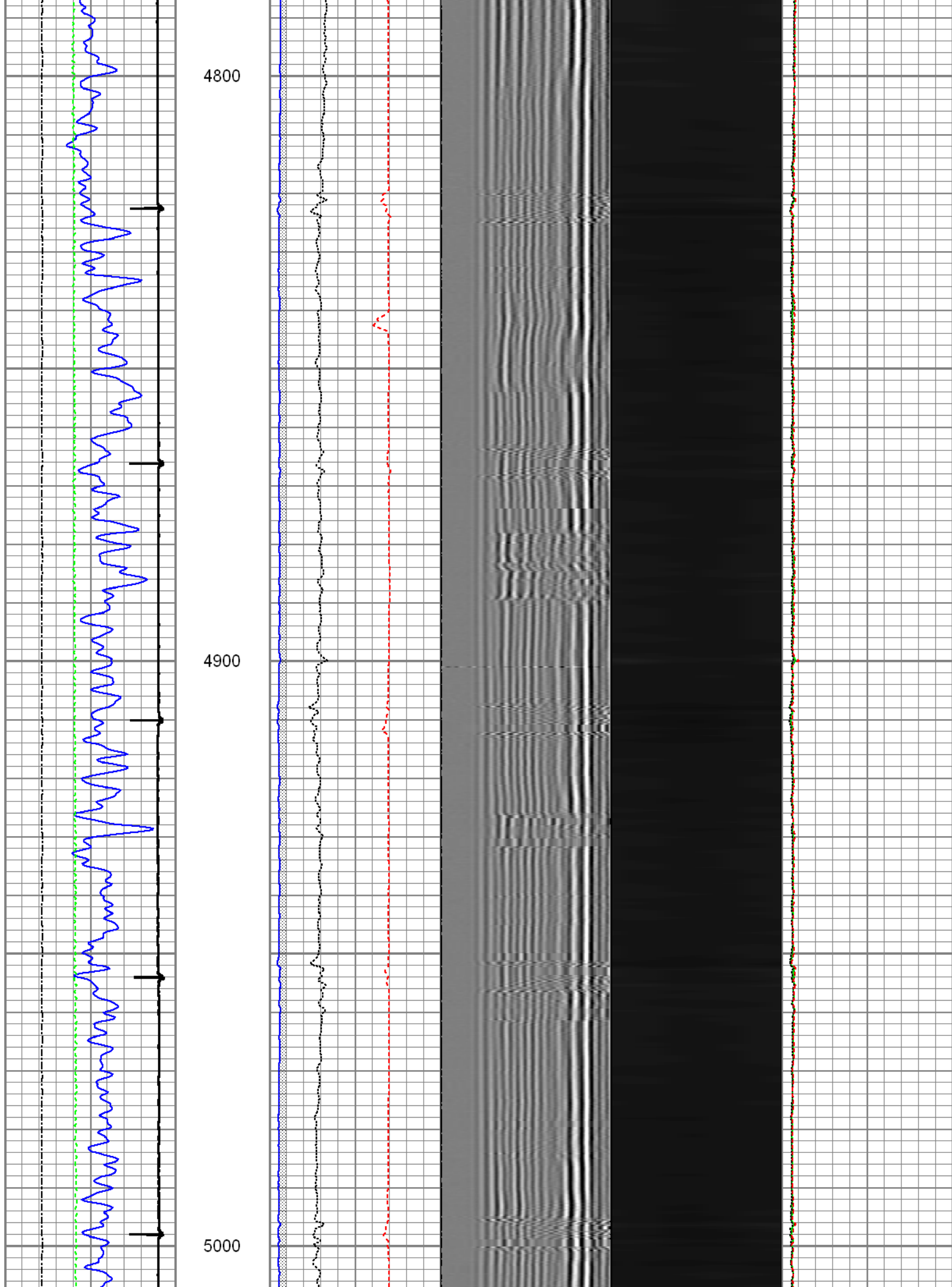


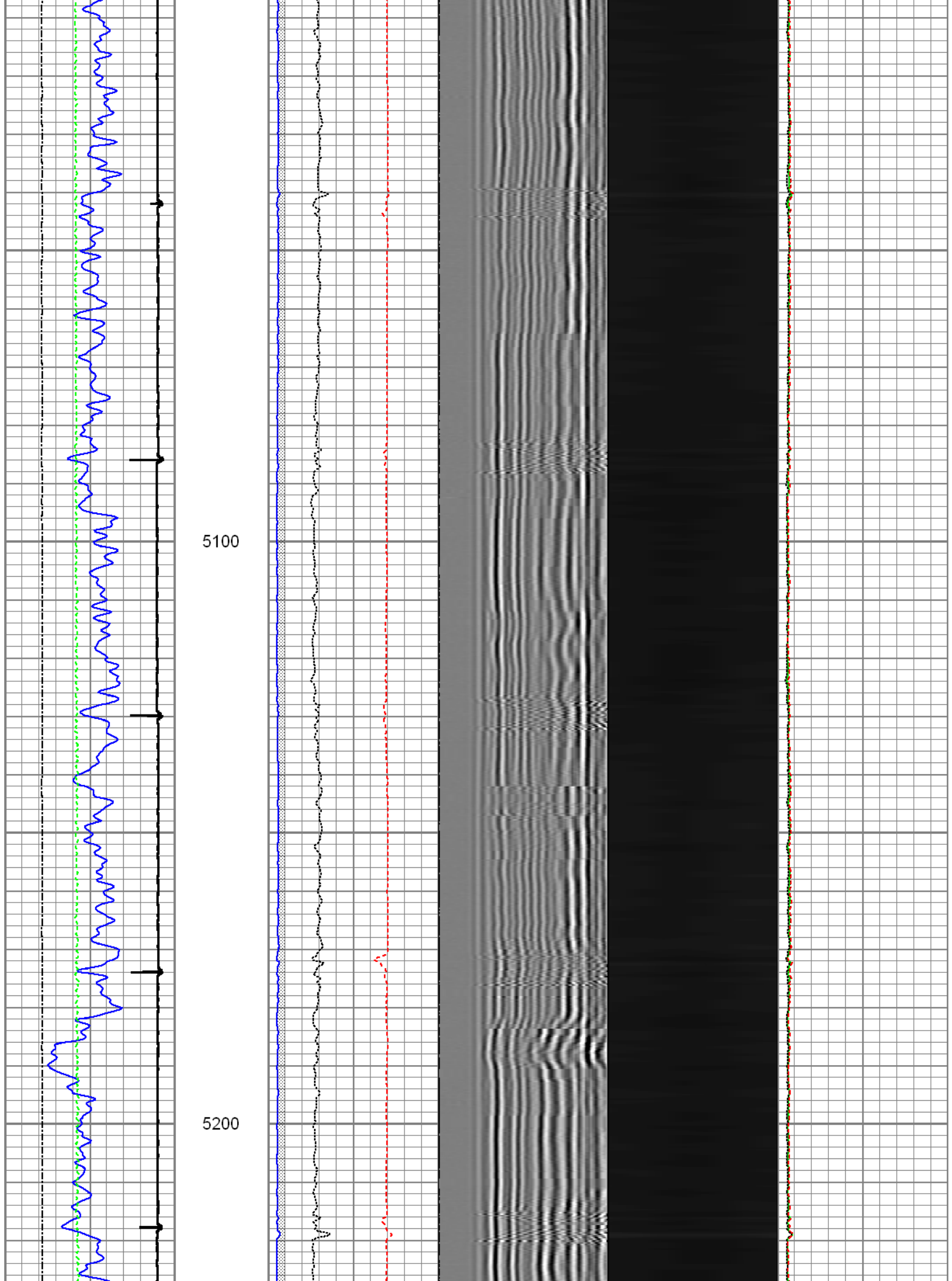


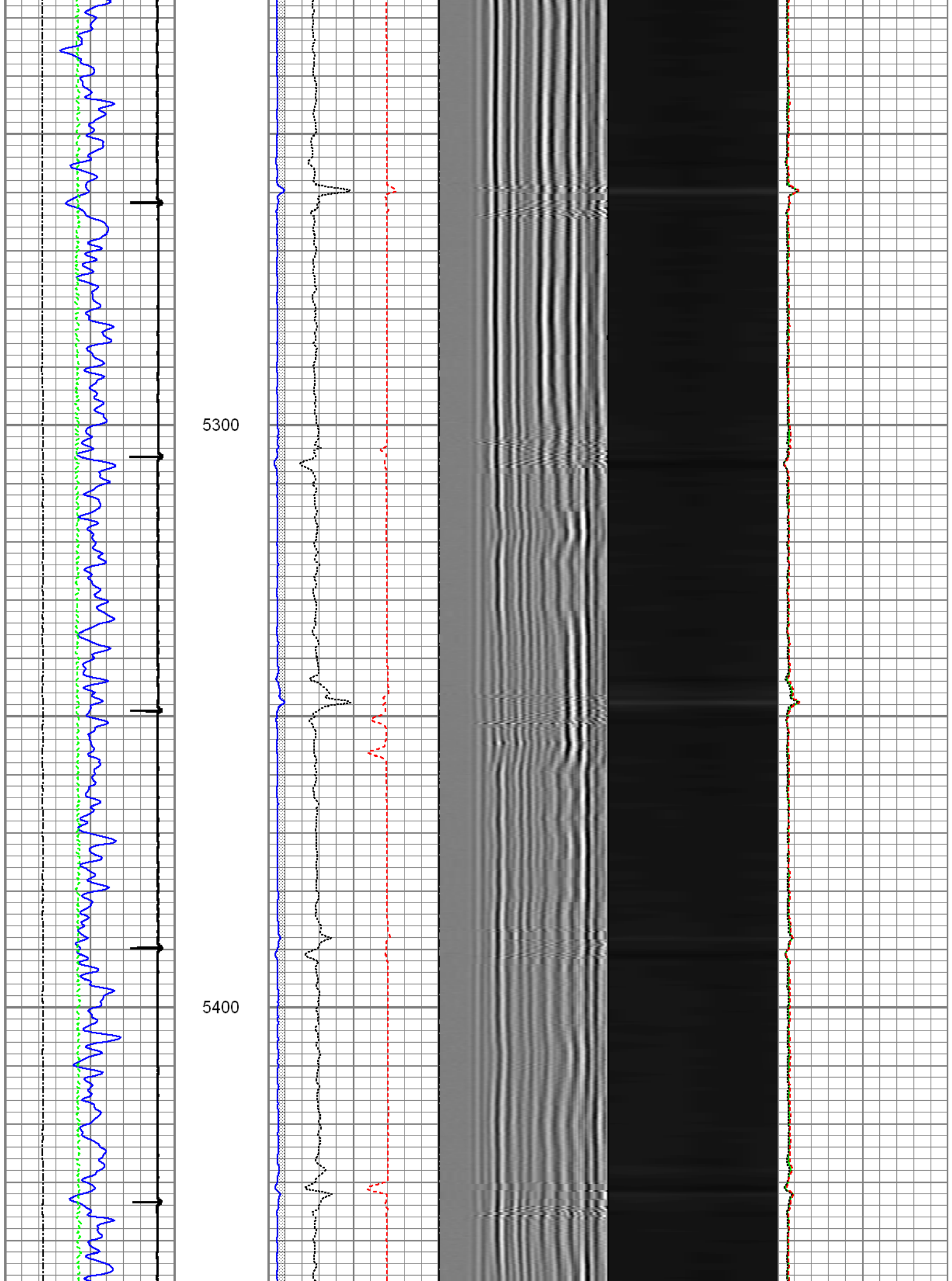
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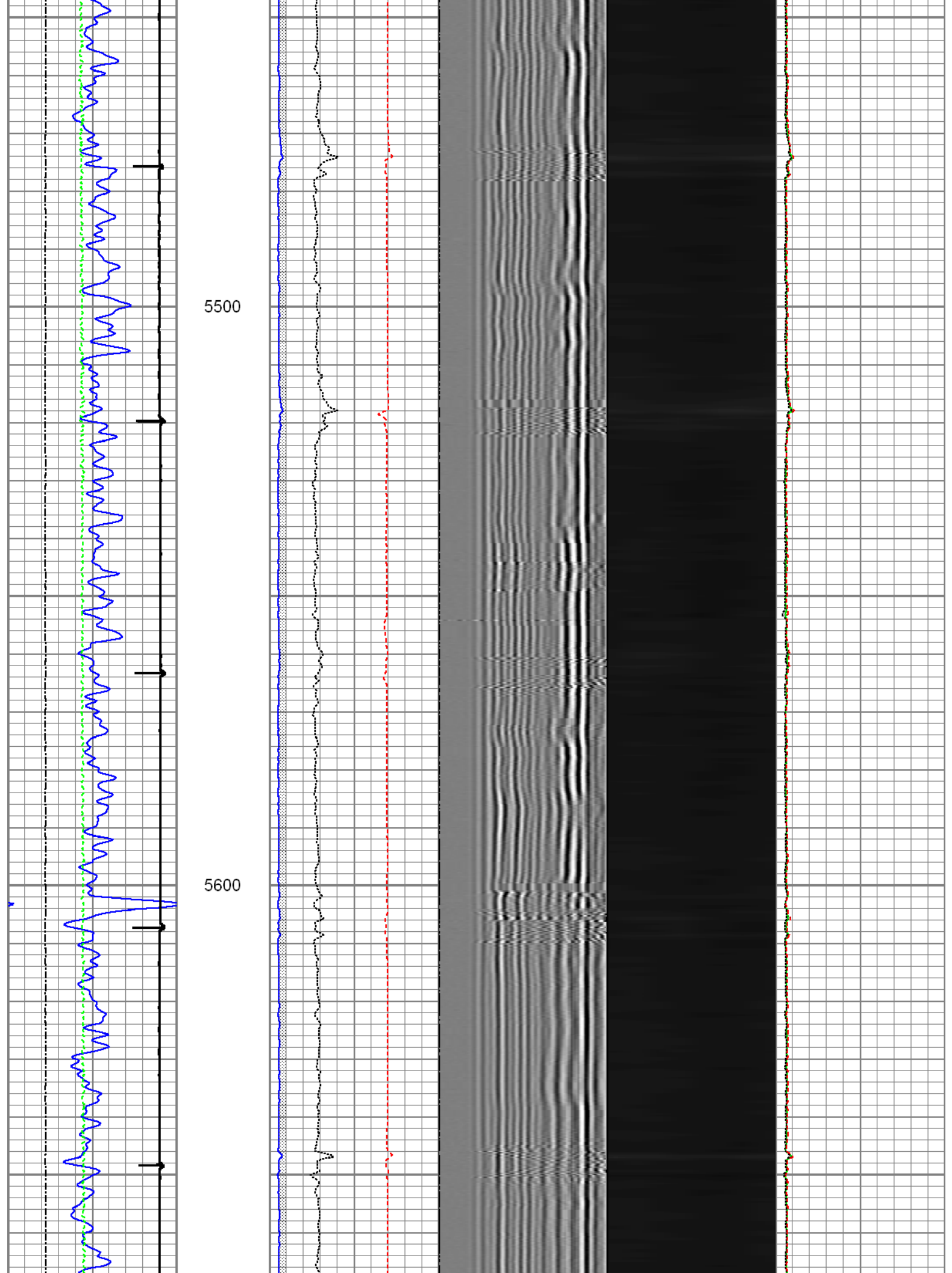
4900

5000



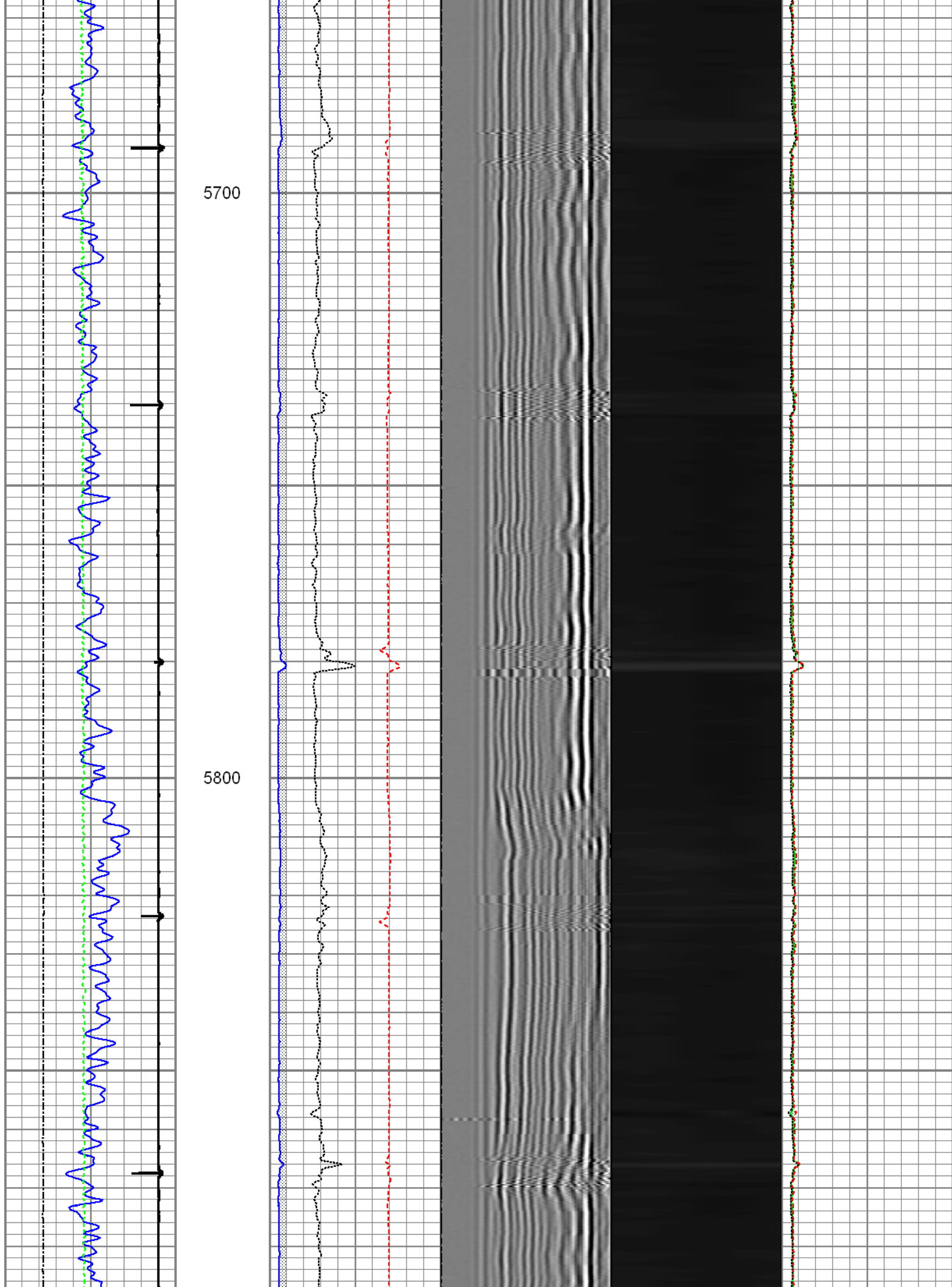






5700

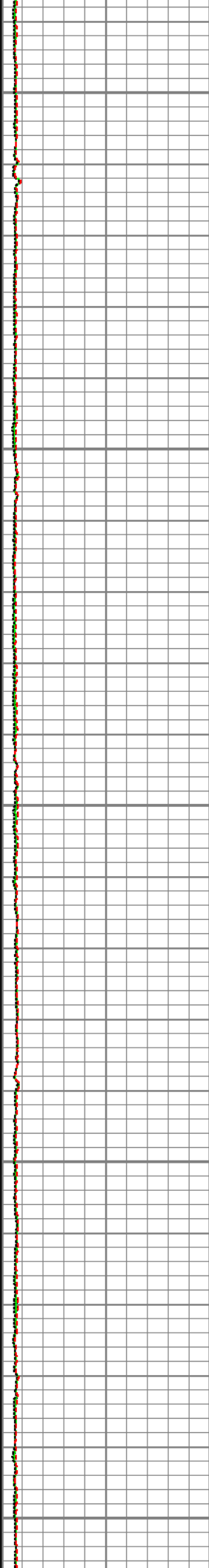
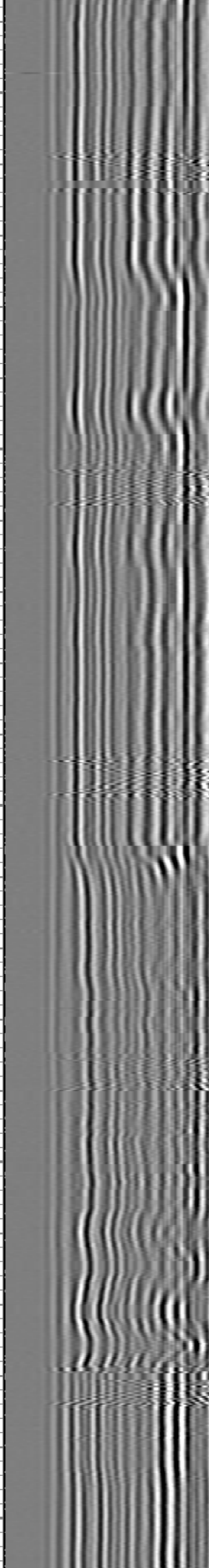
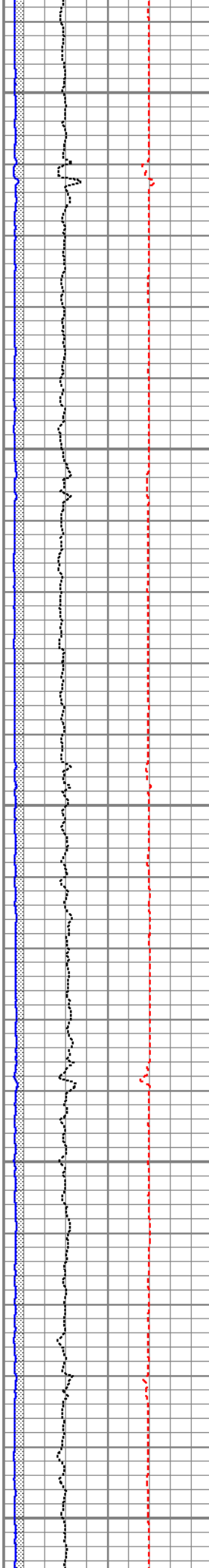
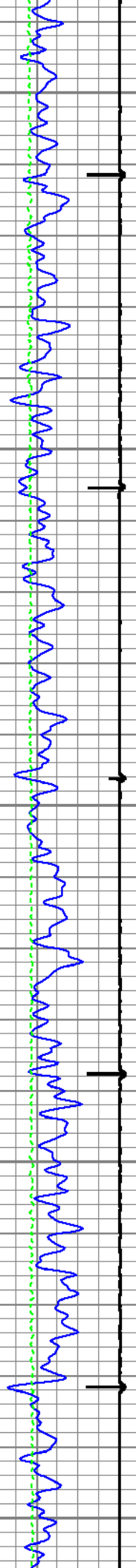
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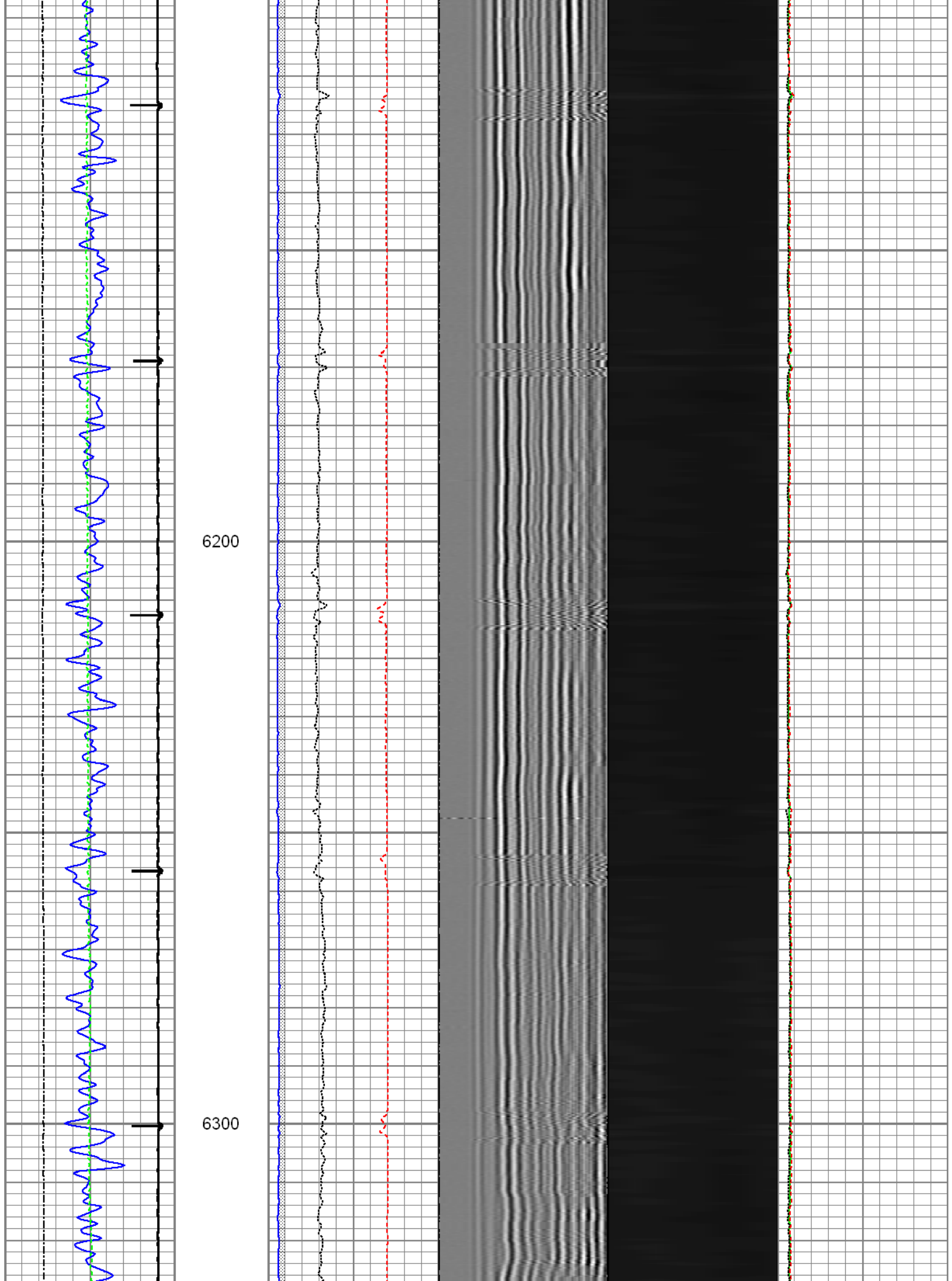


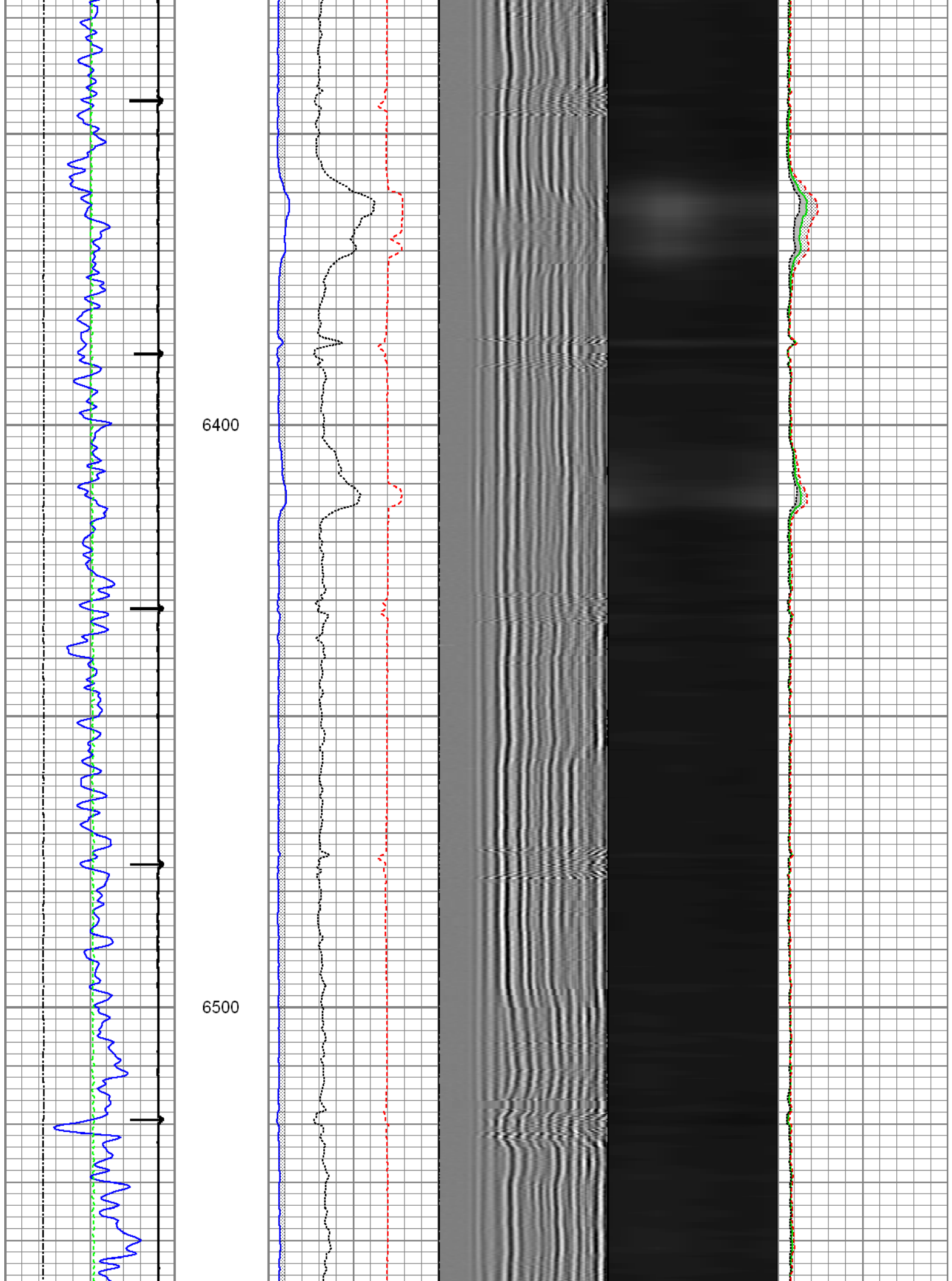
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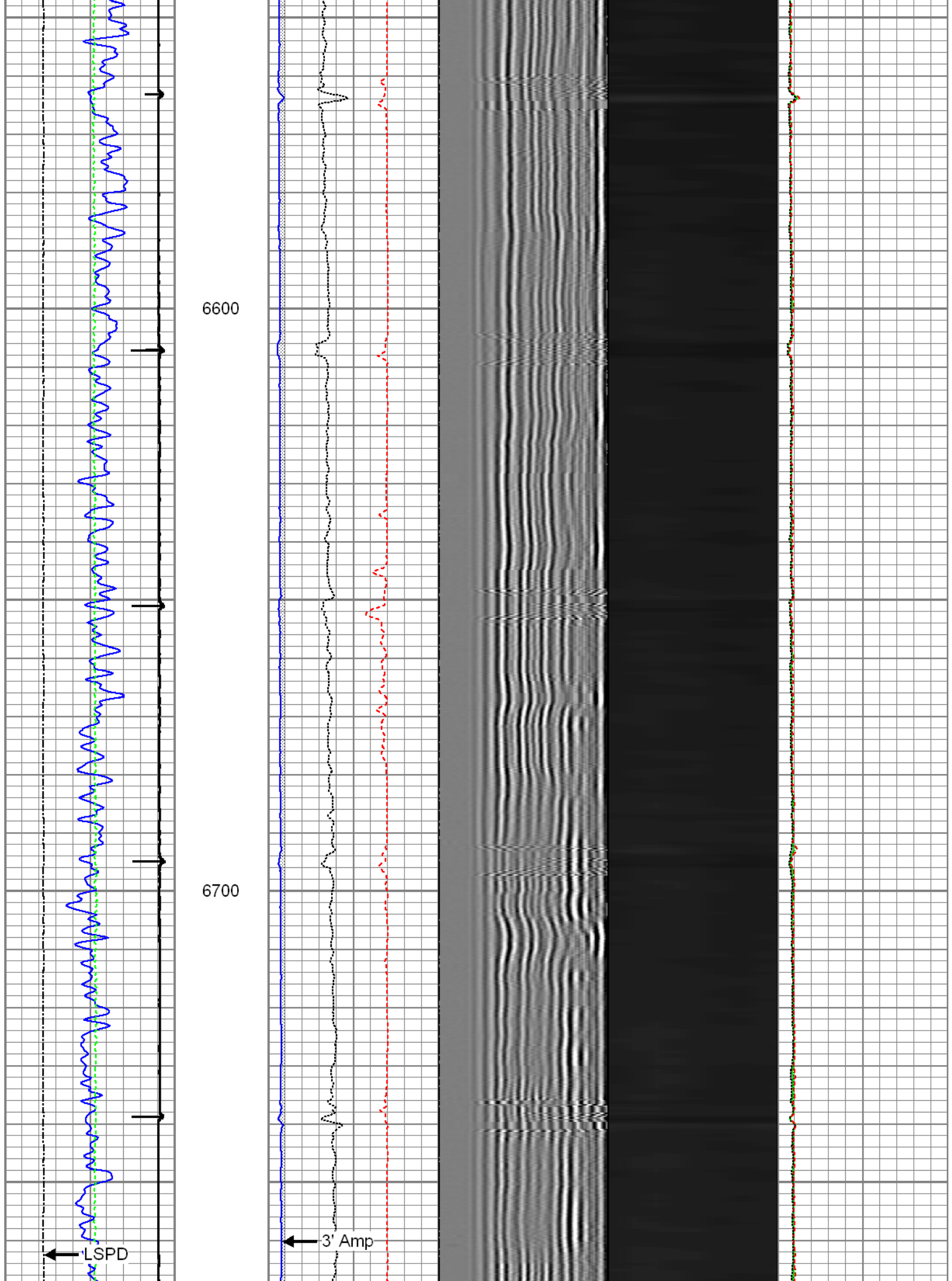
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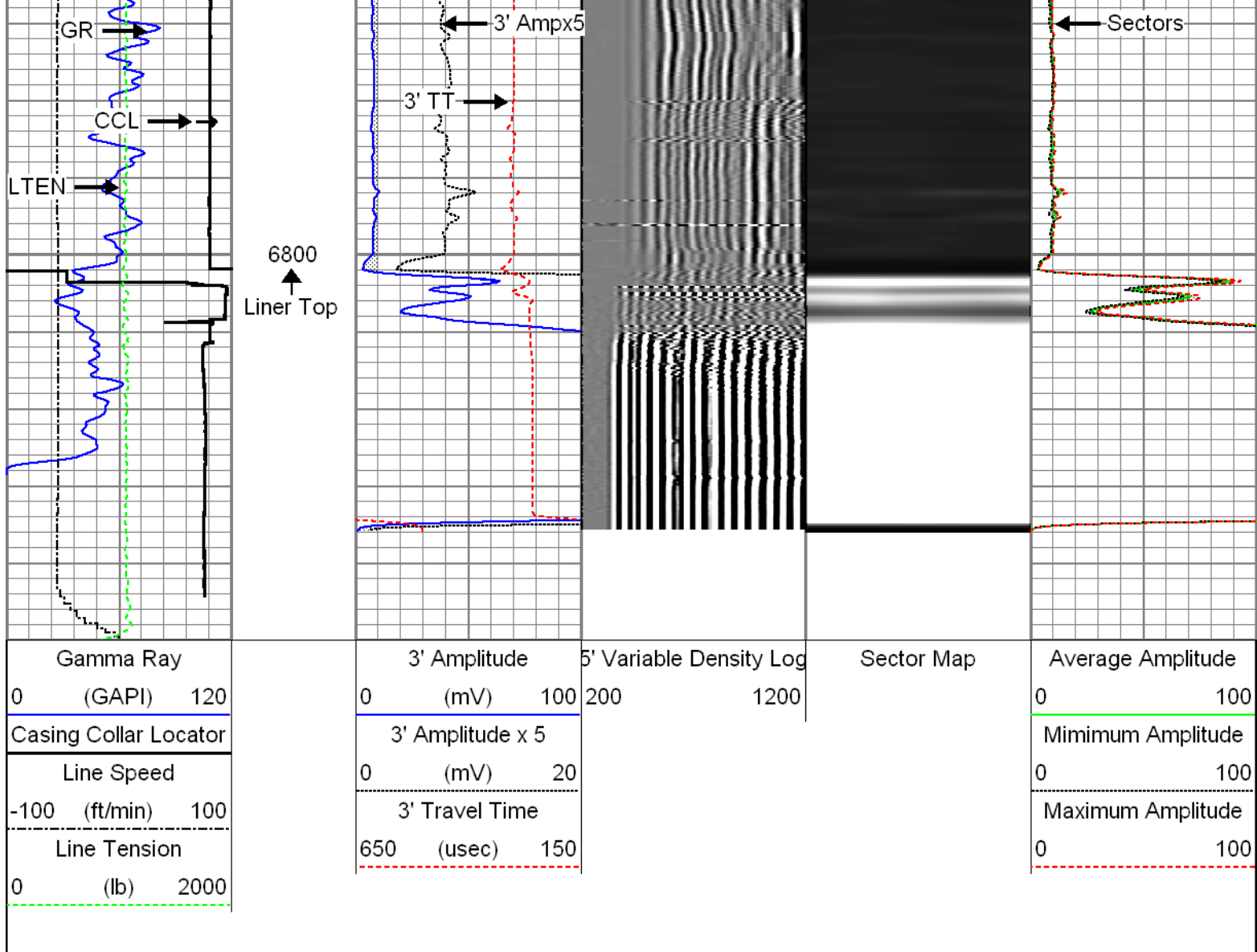
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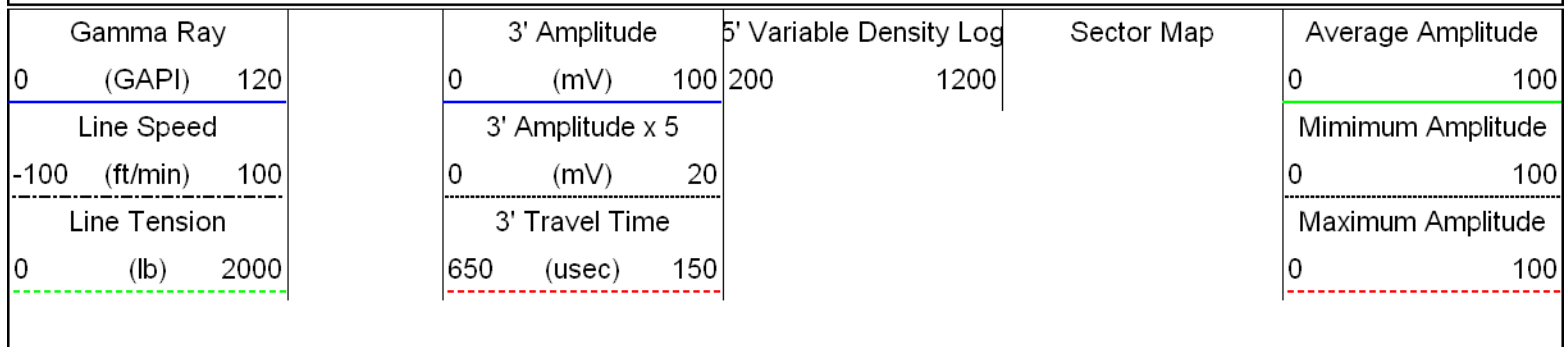


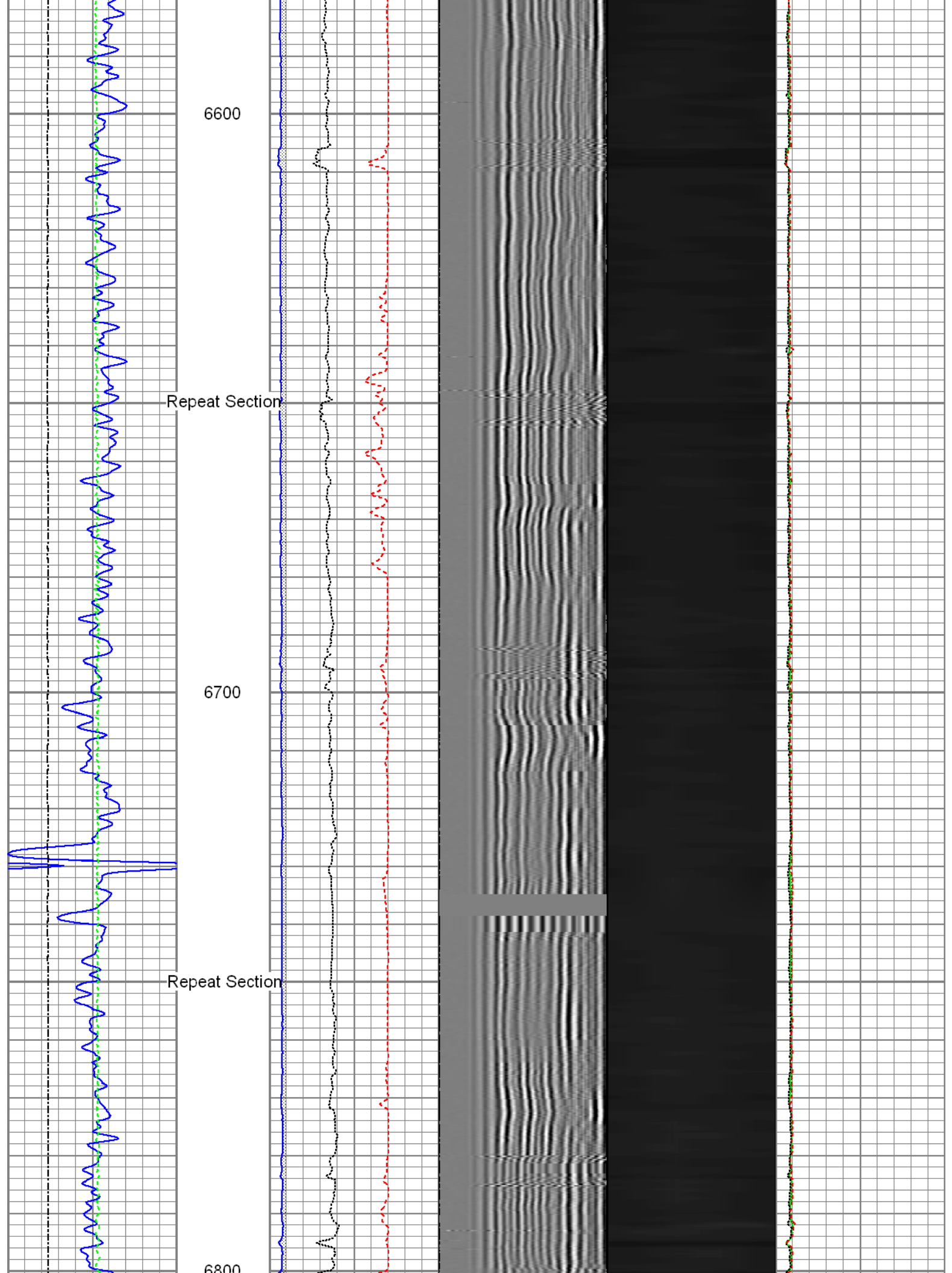


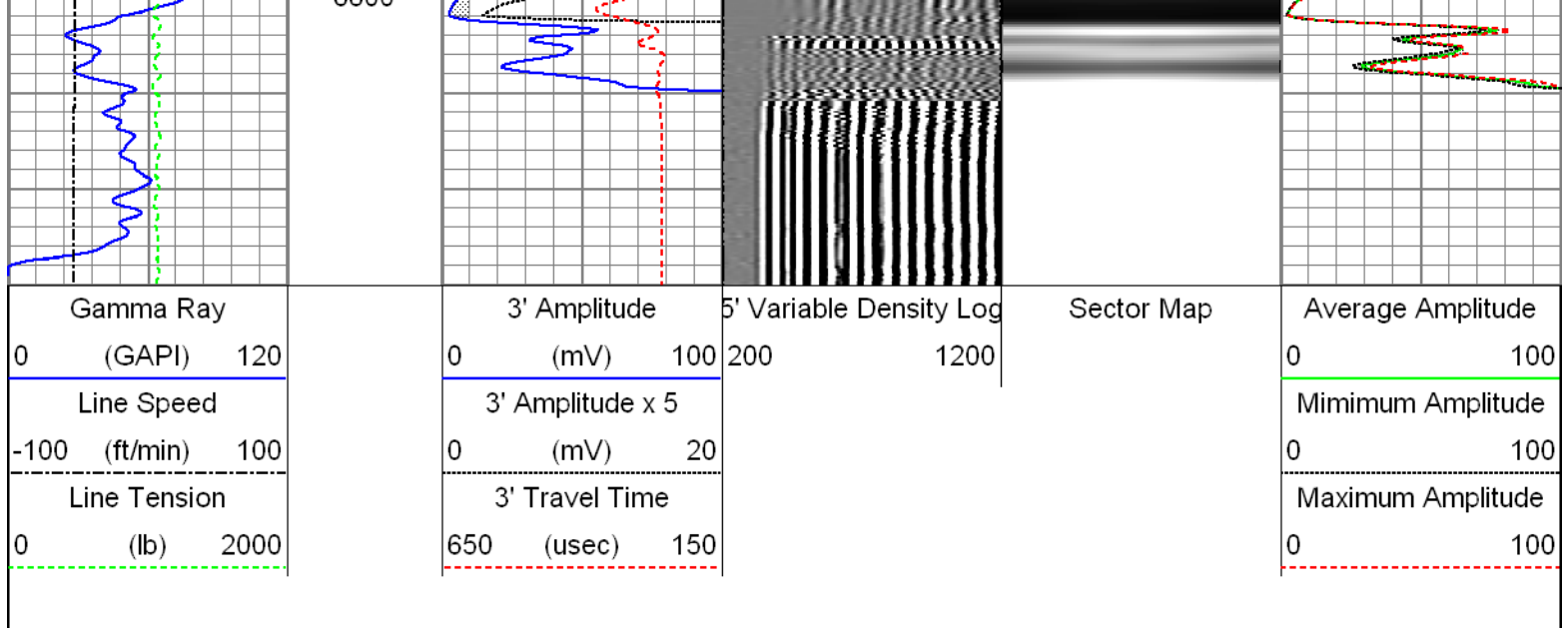
Repeat Pass

Recorded with 2800 PSI Surface Induced Pressure

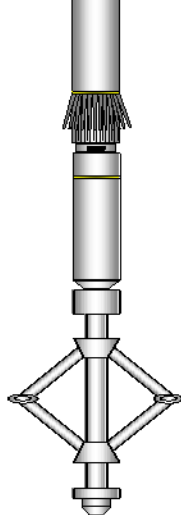
Database File: 0512340886_anadarko_hunziker 2n-4hz_06-16-15_mit_rbl.db
 Dataset Pathname: pass9
 Presentation Format: rbt4_mit
 Dataset Creation: Tue Jun 16 10:18:27 2015 by Log 7.0 B1
 Charted by: Depth in Feet scaled 1:240







Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	22.81		T_CH14375_1_GO Titan 1-7/16" Assembled Electric Cable Head with 1" Fishing Neck	1.03	1.44	4.00
			UW_AGS-UW_AGS_001 (215017) Sondex Adapter - GO Box to Sondex Pin	0.21	1.69	1.00
			UW_XTU-UW_XTU_002 (211461) Crossover Ultrawire Toolbus to Ultralink	1.58	1.69	6.50
			UW_PGR-UW_PGR_020 (10013899) Production Gamma Ray	1.93	1.69	9.50
			UW_PRC #4 -DSSRAC (081) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
WVFS1	15.42		UW_RBT-UW_RBT_004 (1063) Sondex Ultrawire 3- 1/8" Radial Bond Tool	9.47	3.13	140.00
WVFS2	15.42					
WVFS3	15.42					
WVFS4	15.42					
WVFS5	15.42					
WVFS6	15.42					
WVFS7	15.42					
WVFS8	15.42					
CBLTEMP	15.42					
CBLROT	15.42					
WVFS5FT	14.42		UW_PRC-DSSRAC (080) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00

MIT	5.41		UW_MIT-UW_MIT40_042 (10012912) 40 Multifinger Imaging Tool	4.54	2.75	61.10
			UW_PRC-UW_PRC_057 (1101) Sondex 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00
TSTAMP	0.00		UW_BUL-UW_BUL_006 (218707) Sondex Ultrawire Bullnose Terminator	0.22	1.69	1.20
Dataset: 0512340886_anadarko_hunziker 2n-4hz_06-16-15_mit_rbl.db: field/well/run1/pass11 Total Length: 27.05 ft Total Weight: 319.30 lb O.D. 3.13 in						

Calibration Report			
Database File:	0512340886_anadarko_hunziker 2n-4hz_06-16-15_mit_rbl.db		
Dataset Pathname:	pass11		
Dataset Creation:	Tue Jun 16 10:28:23 2015 by Log 7.0 B1		
Multi-finger Imaging Tool Calibration Report			
Serial Number:	10012912		
Number of Fingers:	40		
Tool Model:	UW_MIT40_042		
Inclinometer Calibration Report			
Performed:	Mon Jul 15 09:39:36 2013		
Calibration Angle:	45		
	Inc X	Inc Y	
Vertical:	1968	1974	
Finger 1 up:	1740	1744	
Finger 31 up:	2215	1741	
Finger 21 up:	2205	2224	
Finger 11 up:	1731	2217	
Sensitivity ratio:	0.992868		
X-axis angle:	134.307		
Deviation const.:	335.589		

Finger Calibration Report						
	Performed: Tue Jun 16 08:15:08 2015					
Ring size:	4	5	6	7		
(in)						
	Sens	Sens	Sens			
Finger 01:	1035 377.0	1412 386.0	1798 403.0	2201		
Finger 02:	1181 388.0	1569 387.0	1956 394.0	2350		
Finger 03:	1086 400.0	1486 403.0	1889 424.0	2313		
Finger 04:	1085 378.0	1463 394.0	1857 415.0	2272		
Finger 05:	1080 390.0	1470 399.0	1869 415.0	2284		
Finger 06:	1088 391.0	1479 400.0	1879 411.0	2290		
Finger 07:	1073 393.0	1466 401.0	1867 414.0	2281		
Finger 08:	1097 389.0	1486 395.0	1881 409.0	2290		
Finger 09:	1084 392.0	1476 394.0	1870 410.0	2280		
Finger 10:	1090 393.0	1483 396.0	1879 409.0	2288		
Finger 11:	1089 393.0	1482 391.0	1873 403.0	2276		
Finger 12:	1086 396.0	1482 394.0	1876 407.0	2283		
Finger 13:	1091 390.0	1481 387.0	1868 397.0	2265		

Finger 13:	1031	396.0	1401	387.0	1808	397.0	2263
Finger 14:	1076	401.0	1477	397.0	1874	410.0	2284
Finger 15:	1021	402.0	1423	407.0	1830	422.0	2252
Finger 16:	1035	406.0	1441	402.0	1843	423.0	2266
Finger 17:	947	386.0	1333	389.0	1722	424.0	2146
Finger 18:	1083	399.0	1482	385.0	1867	411.0	2278
Finger 19:	1041	399.0	1440	393.0	1833	415.0	2248
Finger 20:	1026	407.0	1433	401.0	1834	433.0	2267
Finger 21:	1040	418.0	1458	401.0	1859	411.0	2270
Finger 22:	1005	407.0	1412	404.0	1816	429.0	2245
Finger 23:	964	409.0	1373	410.0	1783	444.0	2227
Finger 24:	1033	403.0	1436	390.0	1826	405.0	2231
Finger 25:	975	405.0	1380	407.0	1787	438.0	2225
Finger 26:	1112	401.0	1513	378.0	1891	404.0	2295
Finger 27:	1046	406.0	1452	395.0	1847	420.0	2267
Finger 28:	1067	393.0	1460	386.0	1846	408.0	2254
Finger 29:	1002	402.0	1404	403.0	1807	430.0	2237
Finger 30:	1059	401.0	1460	397.0	1857	420.0	2277
Finger 31:	1065	390.0	1455	390.0	1845	413.0	2258
Finger 32:	1038	398.0	1436	407.0	1843	426.0	2269
Finger 33:	1128	390.0	1518	380.0	1898	390.0	2288
Finger 34:	1091	383.0	1474	388.0	1862	412.0	2274
Finger 35:	1029	395.0	1424	413.0	1837	440.0	2277
Finger 36:	1048	388.0	1436	402.0	1838	424.0	2262
Finger 37:	1102	388.0	1490	391.0	1881	408.0	2289
Finger 38:	1134	386.0	1520	387.0	1907	397.0	2304
Finger 39:	1131	378.0	1509	381.0	1890	399.0	2289
Finger 40:	1074	388.0	1462	397.0	1859	416.0	2275

Segmented Cement Bond Log Calibration Report

Serial Number:	1063
Tool Model:	UW_RBT_004
Calibration Casing Diameter:	87.000 in
Calibration Depth:	41.166 ft

Master Calibration, performed Tue Jun 16 10:04:33 2015:							
	Raw (v)		Calibrated (mv)		Results		
	Zero	Cal	Zero	Cal	Gain	Offset	
3FT	-0.003	1.000	1.000	71.921	70.739	1.182	
5FT	-0.006	1.000	1.000	71.921	70.491	1.430	
S1	-0.004	1.000	0.000	100.000	99.635	0.365	
S2	-0.004	1.000	0.000	100.000	99.640	0.360	
S3	-0.004	1.000	0.000	100.000	99.635	0.365	
S4	-0.004	1.000	0.000	100.000	99.635	0.365	
S5	-0.002	1.000	0.000	100.000	99.756	0.244	
S6	-0.003	1.000	0.000	100.000	99.688	0.312	
S7	-0.003	1.000	0.000	100.000	99.729	0.271	
S8	-0.003	1.000	0.000	100.000	99.710	0.290	

Gamma Ray Calibration Report

Serial Number:	10013899
Tool Model:	UW_PGR_020
Performed:	Sun Jun 13 13:33:21 1993
Calibrator Value:	1.0 GAPI
Background Reading:	0.0 cps
Calibrator Reading:	1.0 cps
Sensitivity:	1.0000 GAPI/cps

Sensitivity:

1.0000

GAPI/cps



Company	Kerr-McGee Oil & Gas Onshore, L.P.
Well	Hunziker 2N-4HZ
Field	Wattenberg
County	Weld
State	Colorado