



County Weld State Colorado

K.B.	5131'
D.F.	5130'
G.L.	5114'

Permanent Datum	Ground Level	Elevation
Log Measured From	Kelly Bushing (117 FT)	5114
Drilling Measured From	Kelly Bushing	

K.B.	5131'
D.F.	5130'
G.L.	5114'

11/5	4-1/2	11.0ft	

P-110	6759 FT	
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Comments

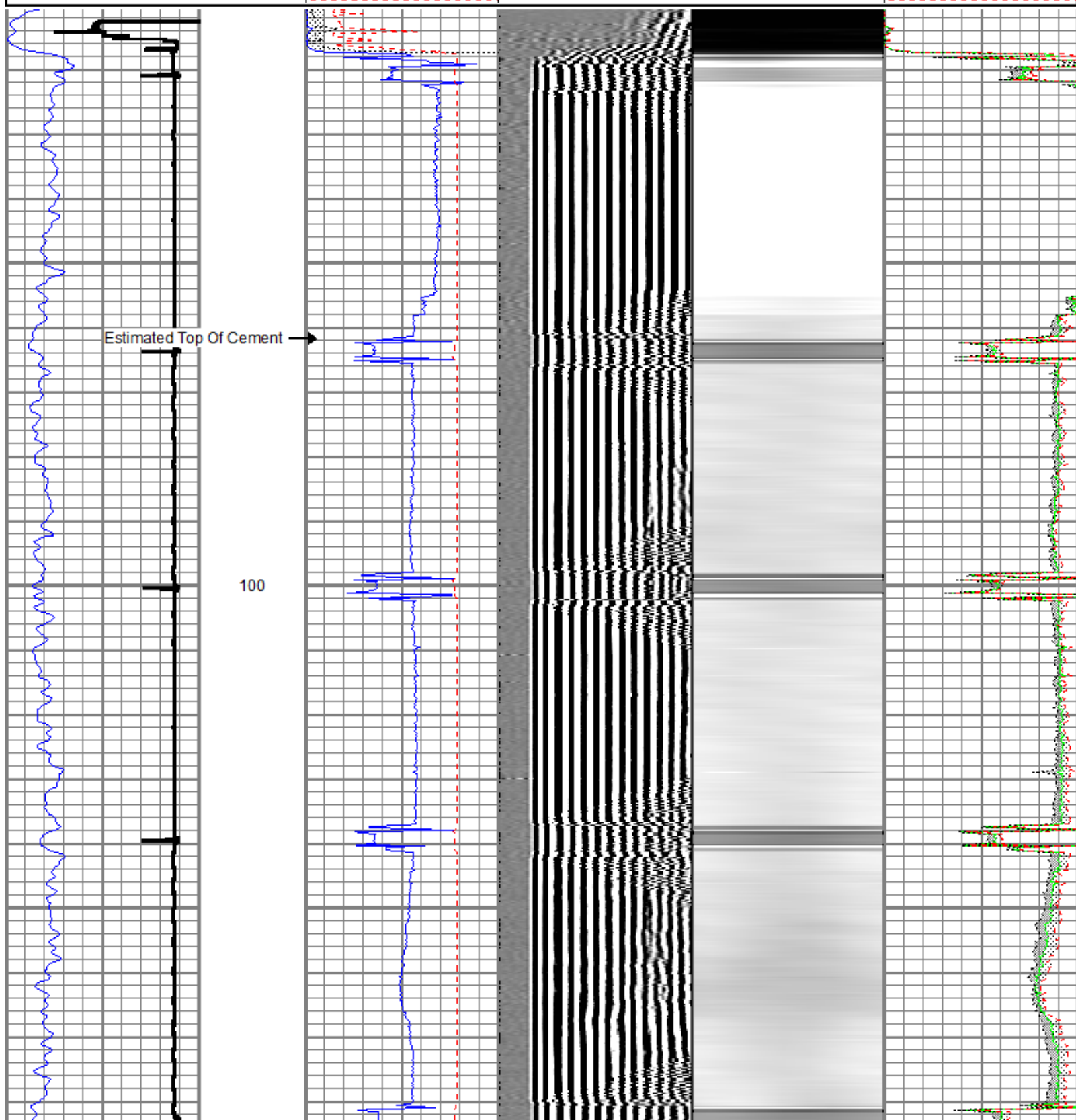
Thank you for choosing FMC Technologies Completion Services!!

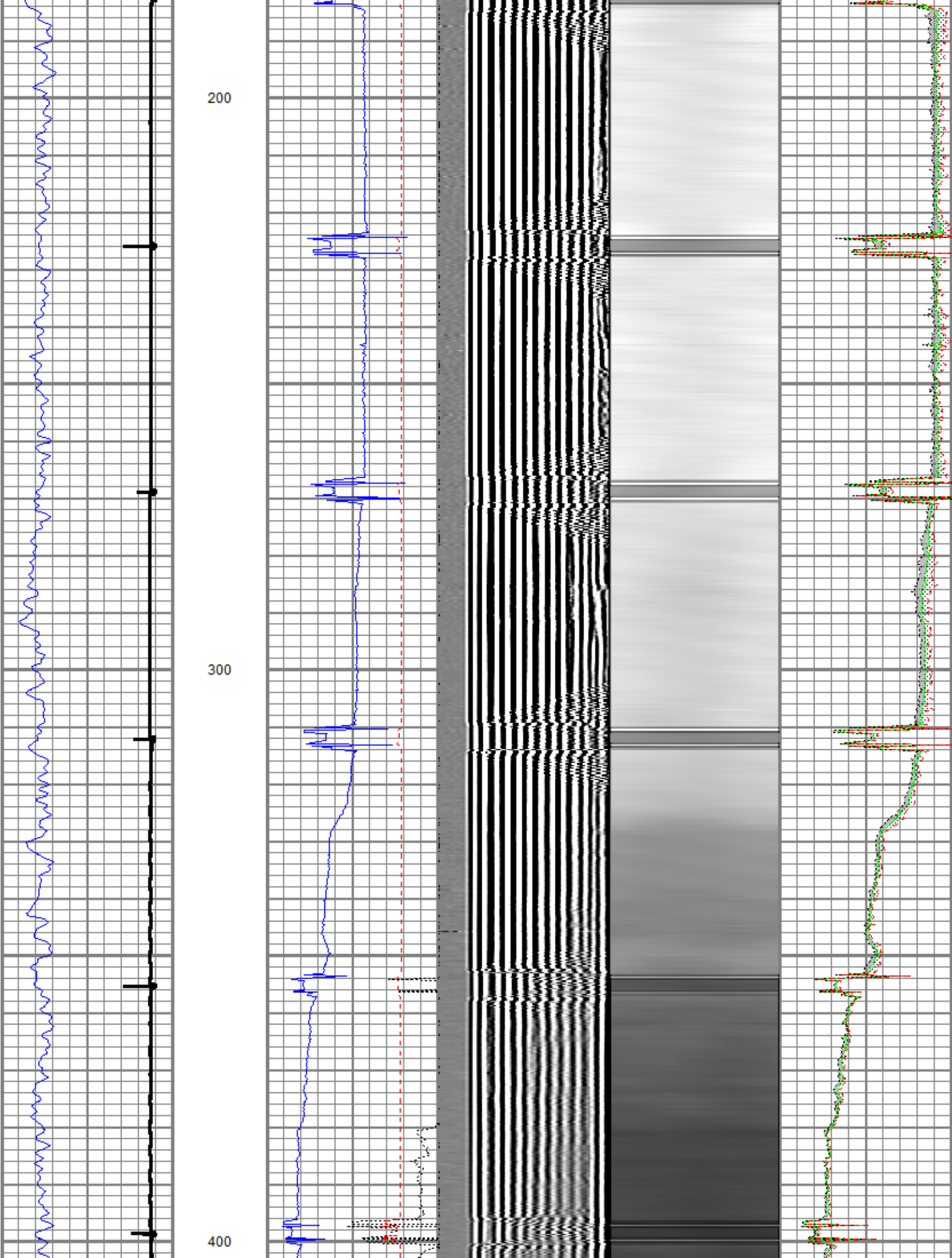
Main Pass

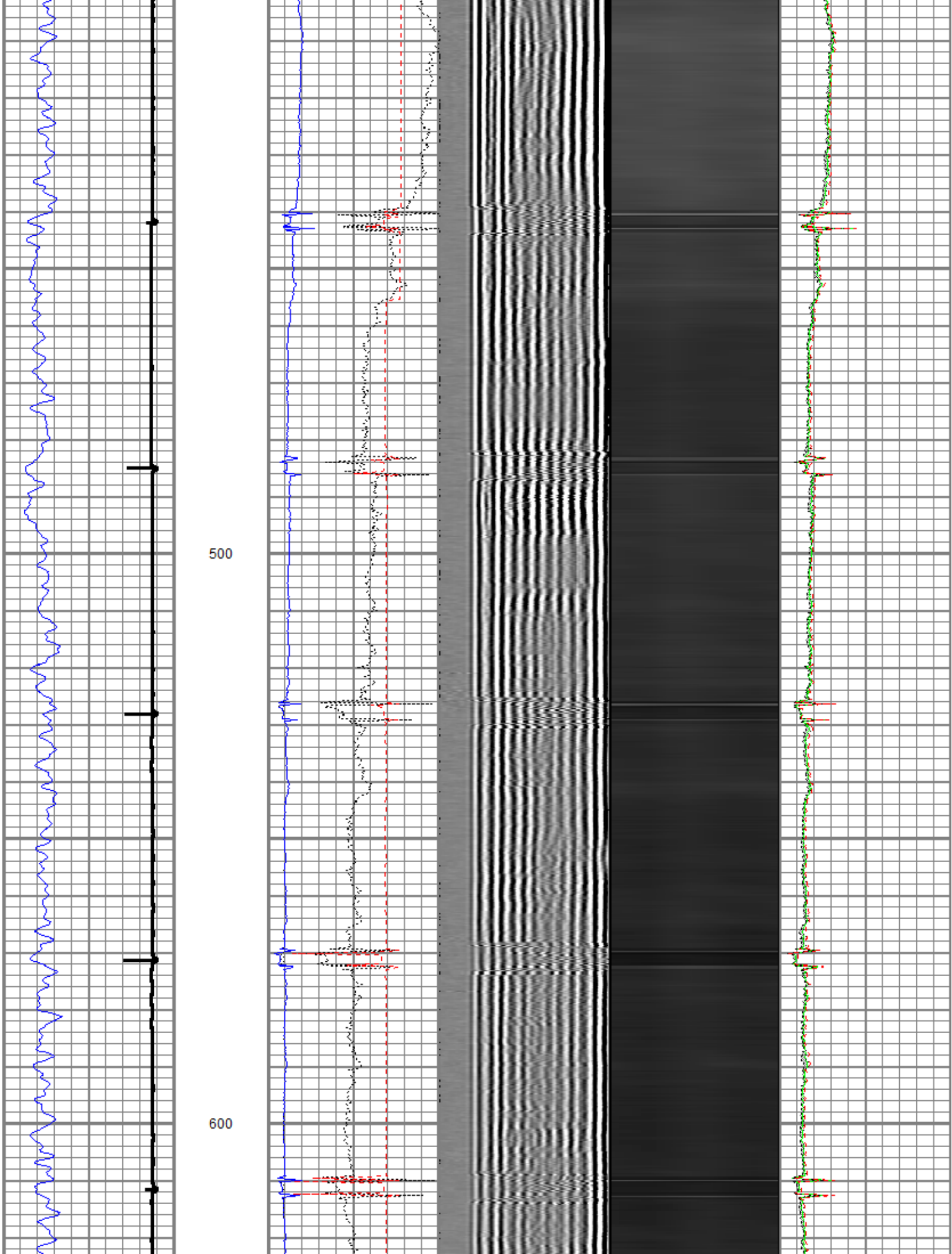


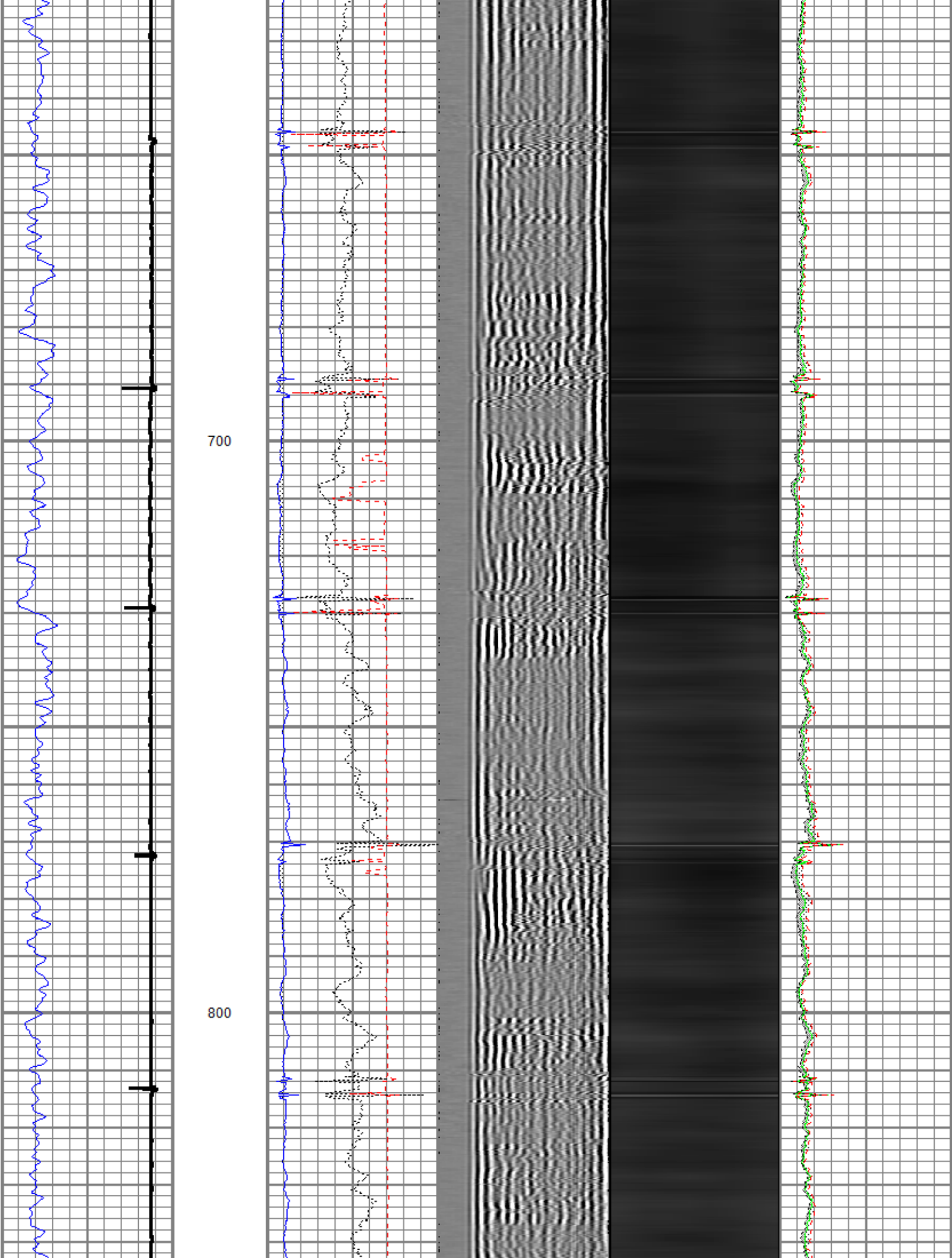
Database File: g:\anadarko_badding27n-26hz_cil_rcbl_29-mar-2014.db
Dataset Pathname: main
Presentation Format: rbt007
Dataset Creation: Sat Mar 29 11:26:38 2014 by Log Sondex V7.03
Charted by: Depth in Feet scaled 1:240

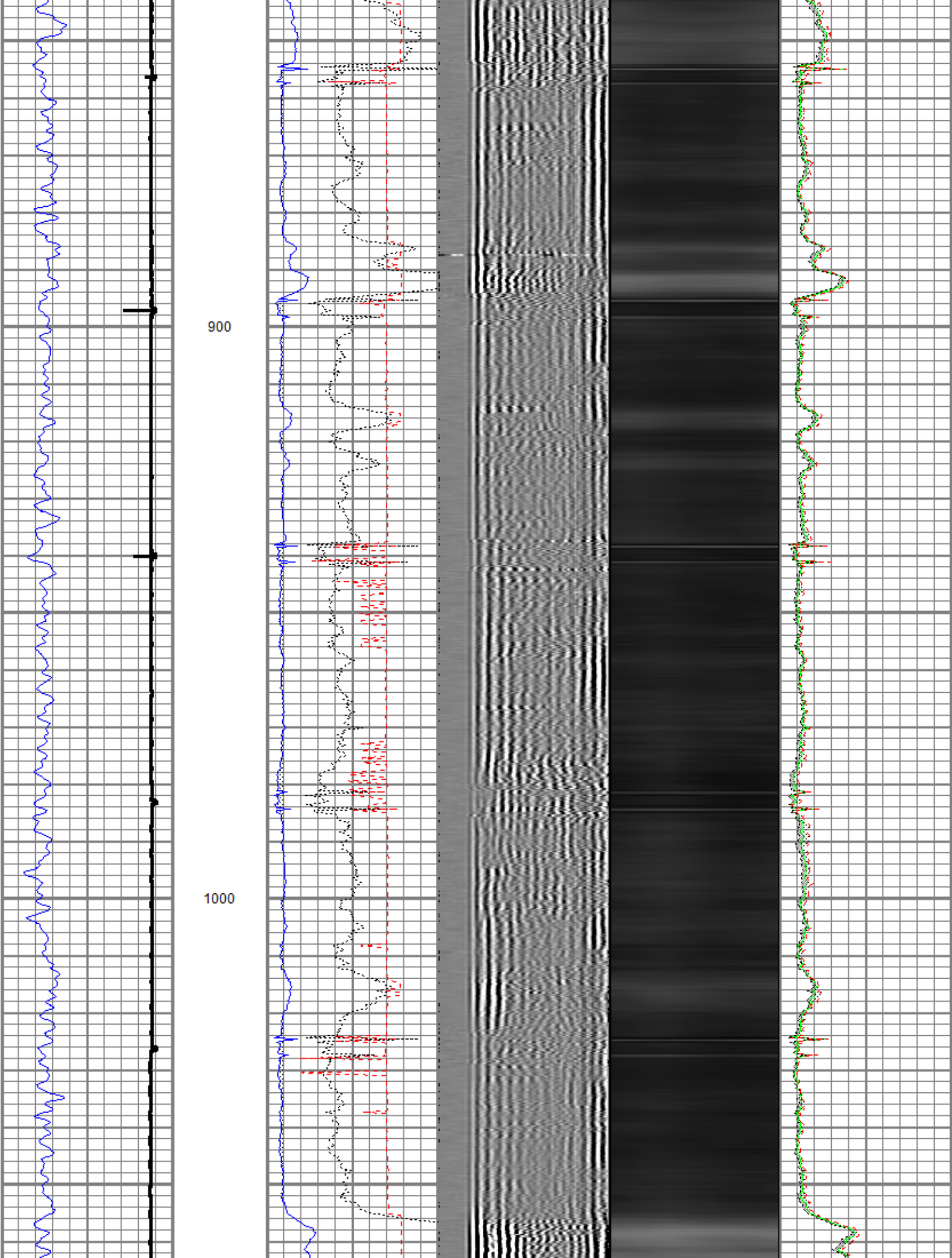
Gamma Ray		0 3' Amplitude (mV) 100		5' Variable Density Log		Sector Map		0 Average Amplitude 100	
0	(GAPI) 150	3' Amplitude x 5		200	1200			Minimum Amplitude	
Collar Locator		0 (mV) 20						Maximum Amplitude	
		3' Travel Time							
		650 (usec) 150						0 100	

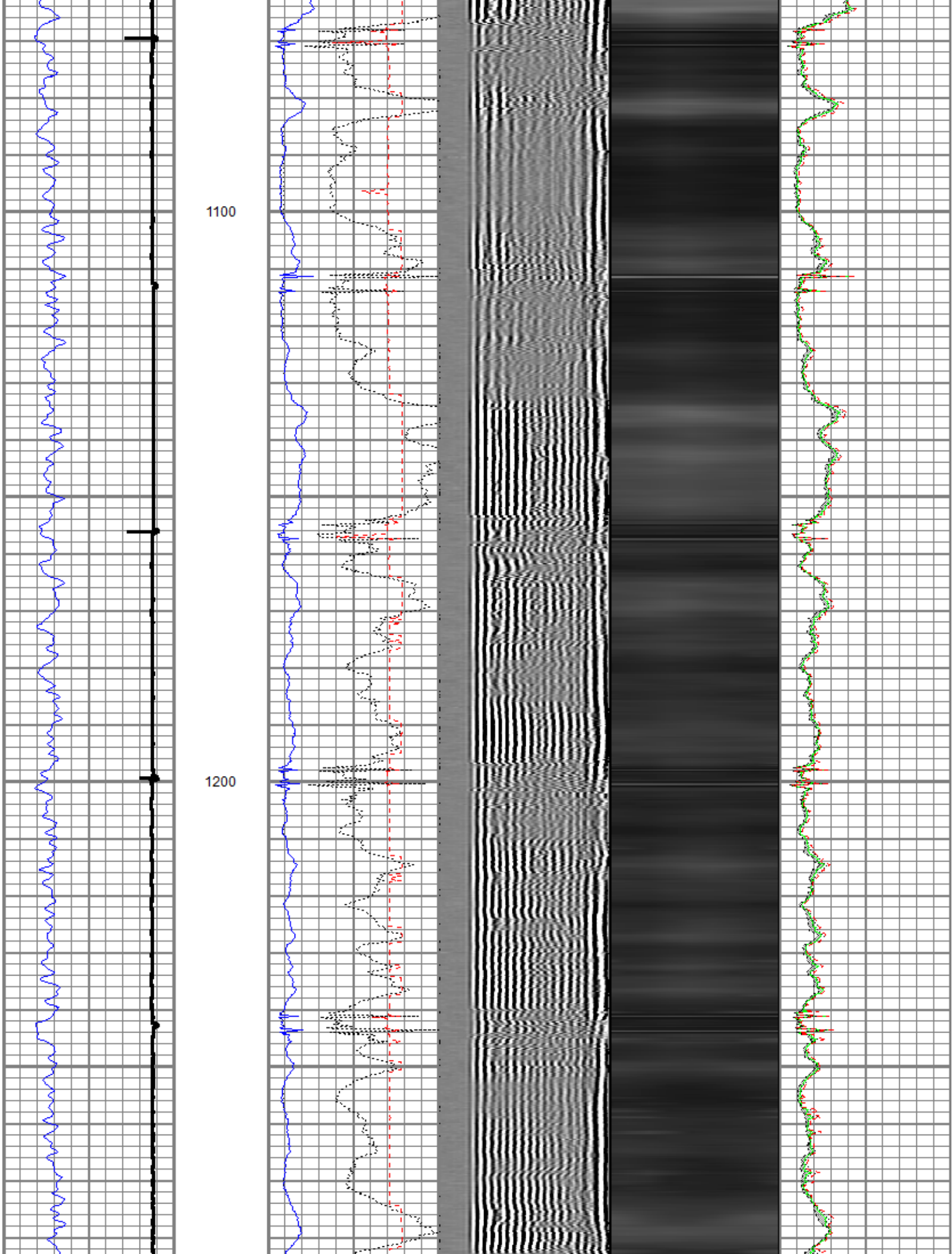


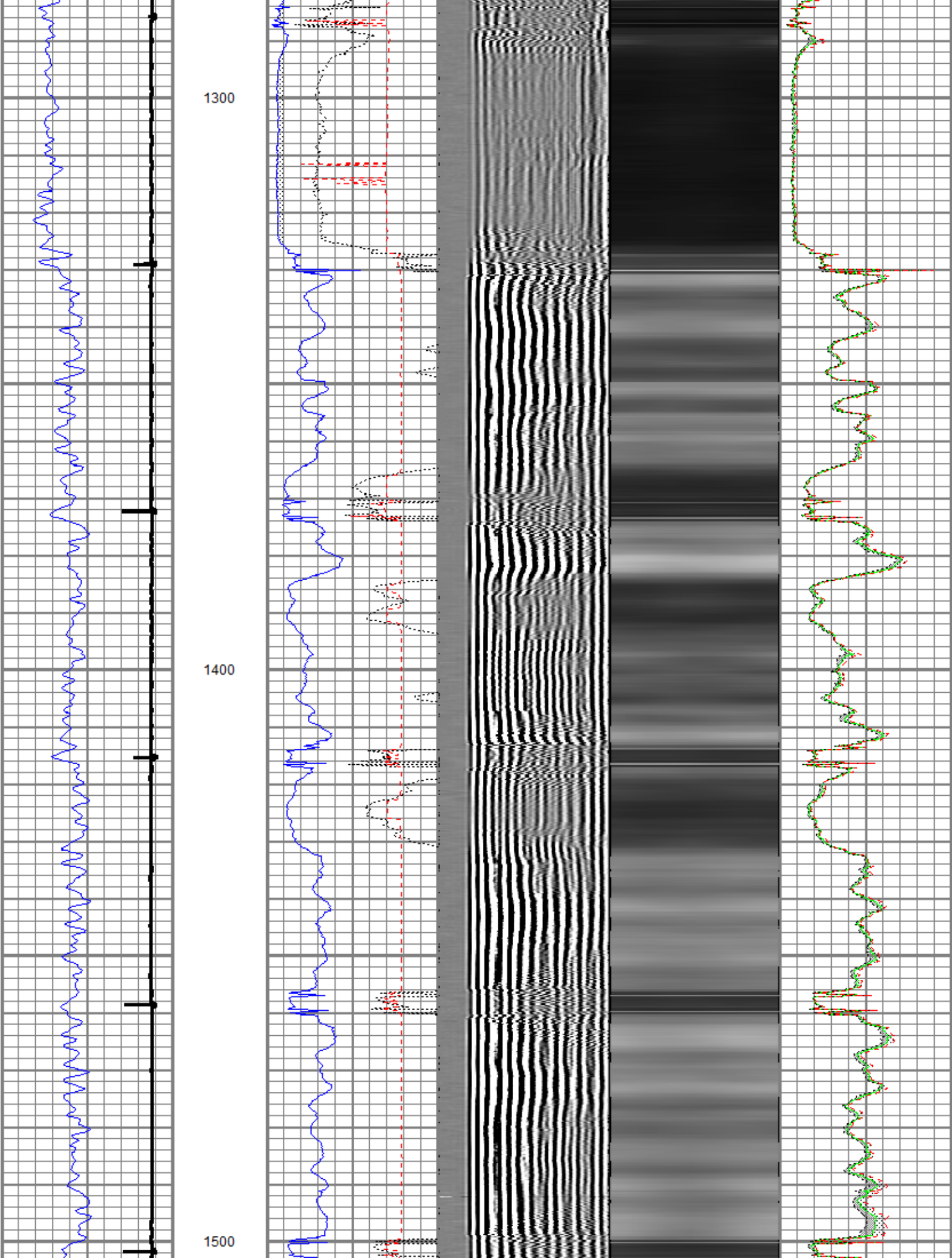


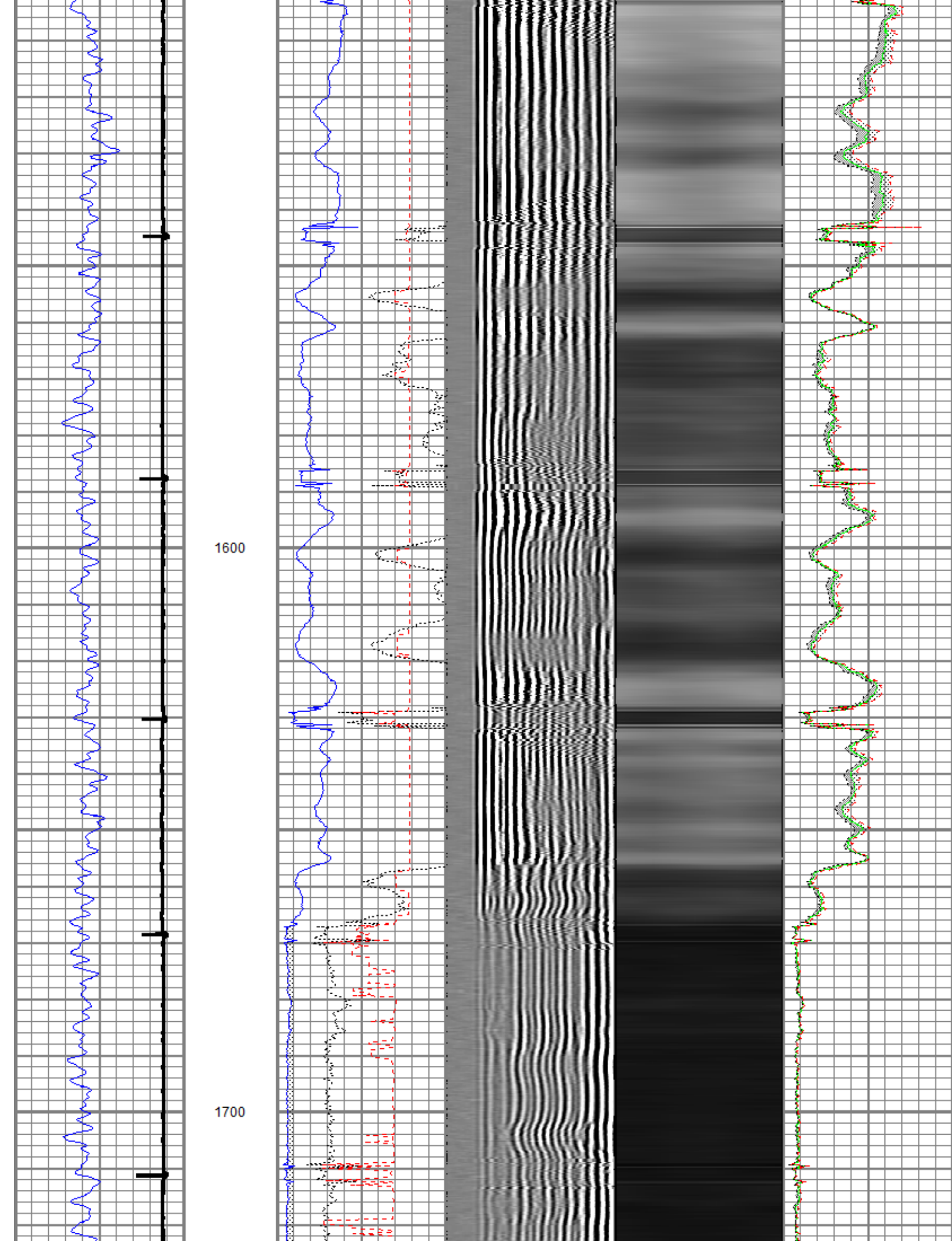


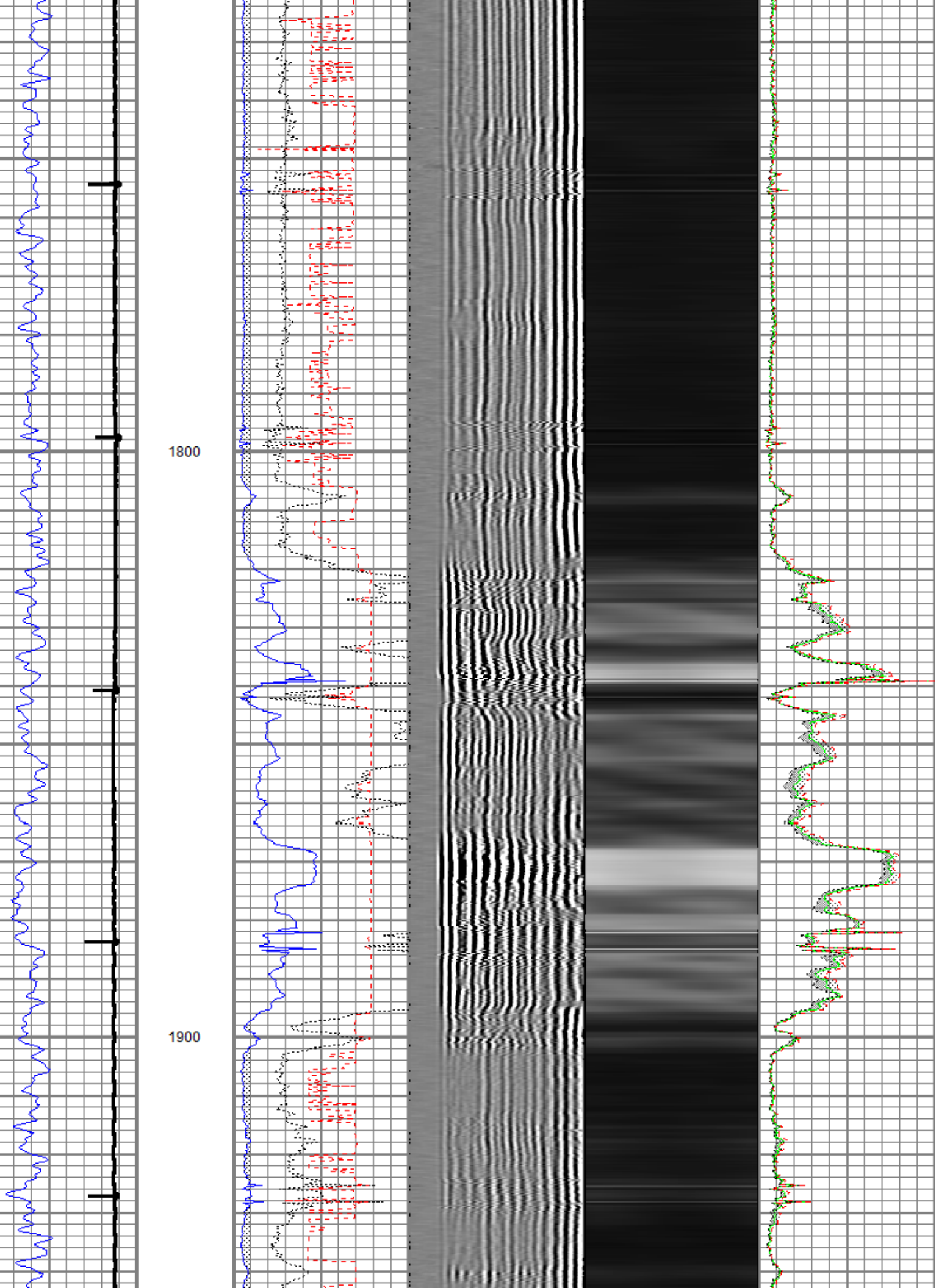


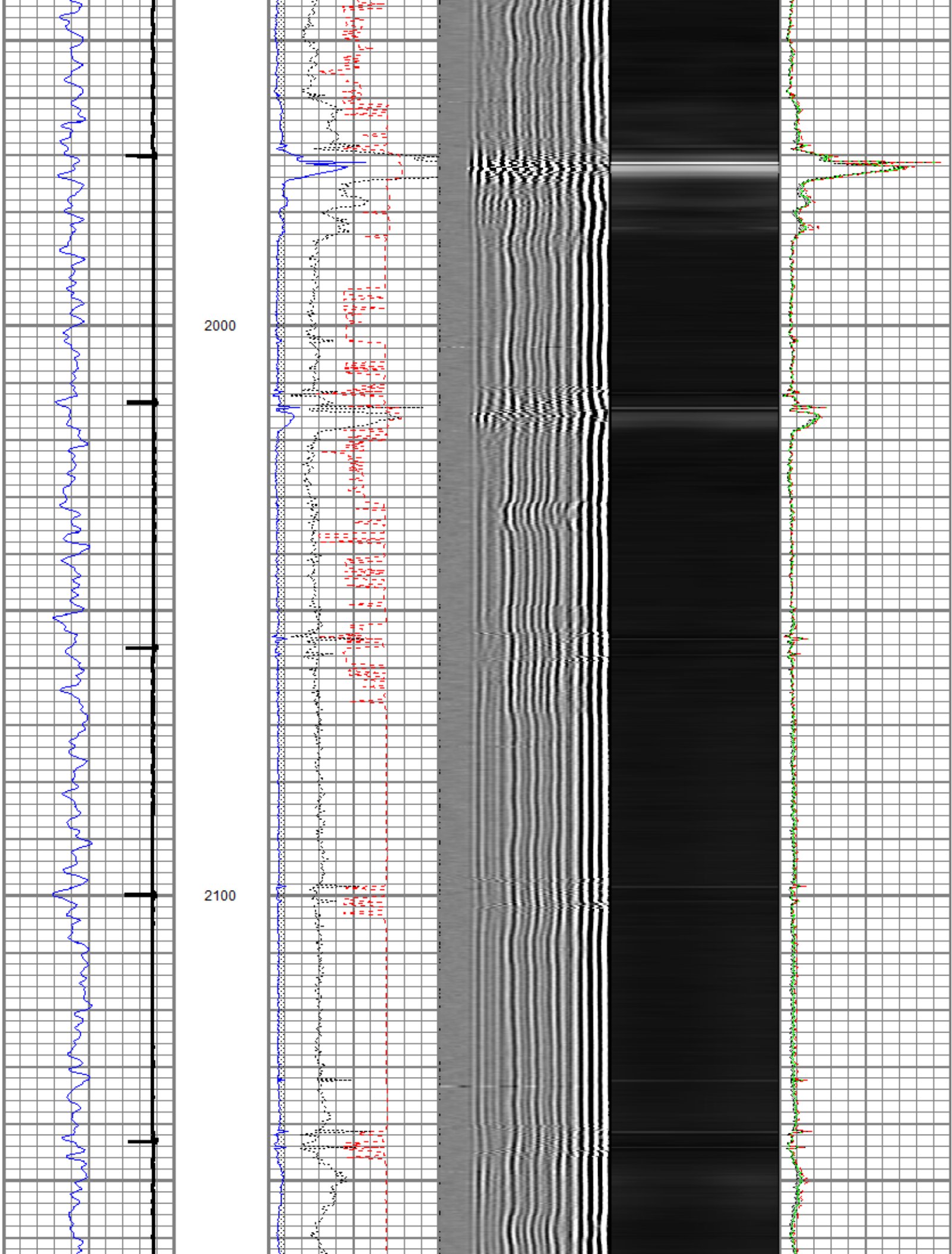


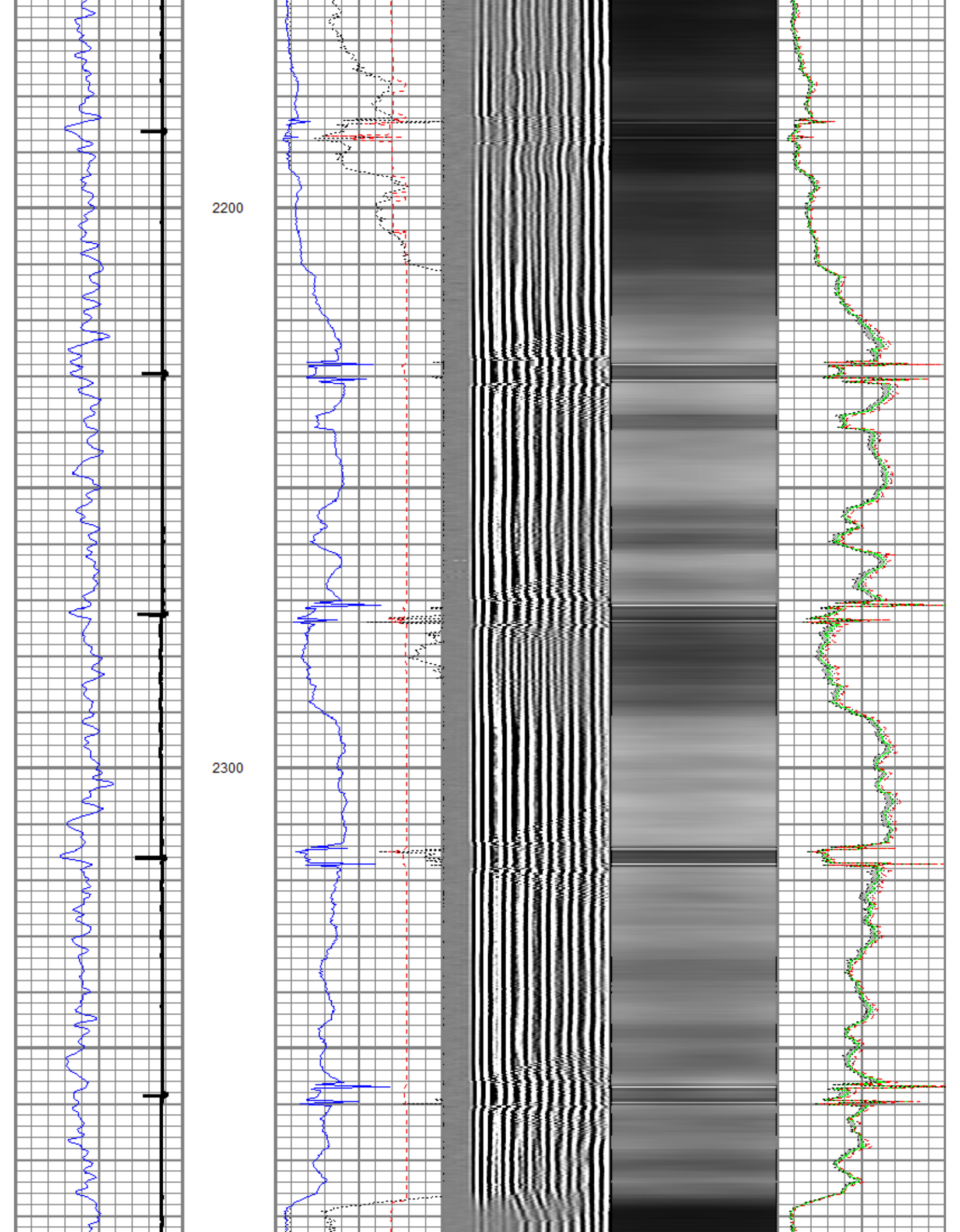


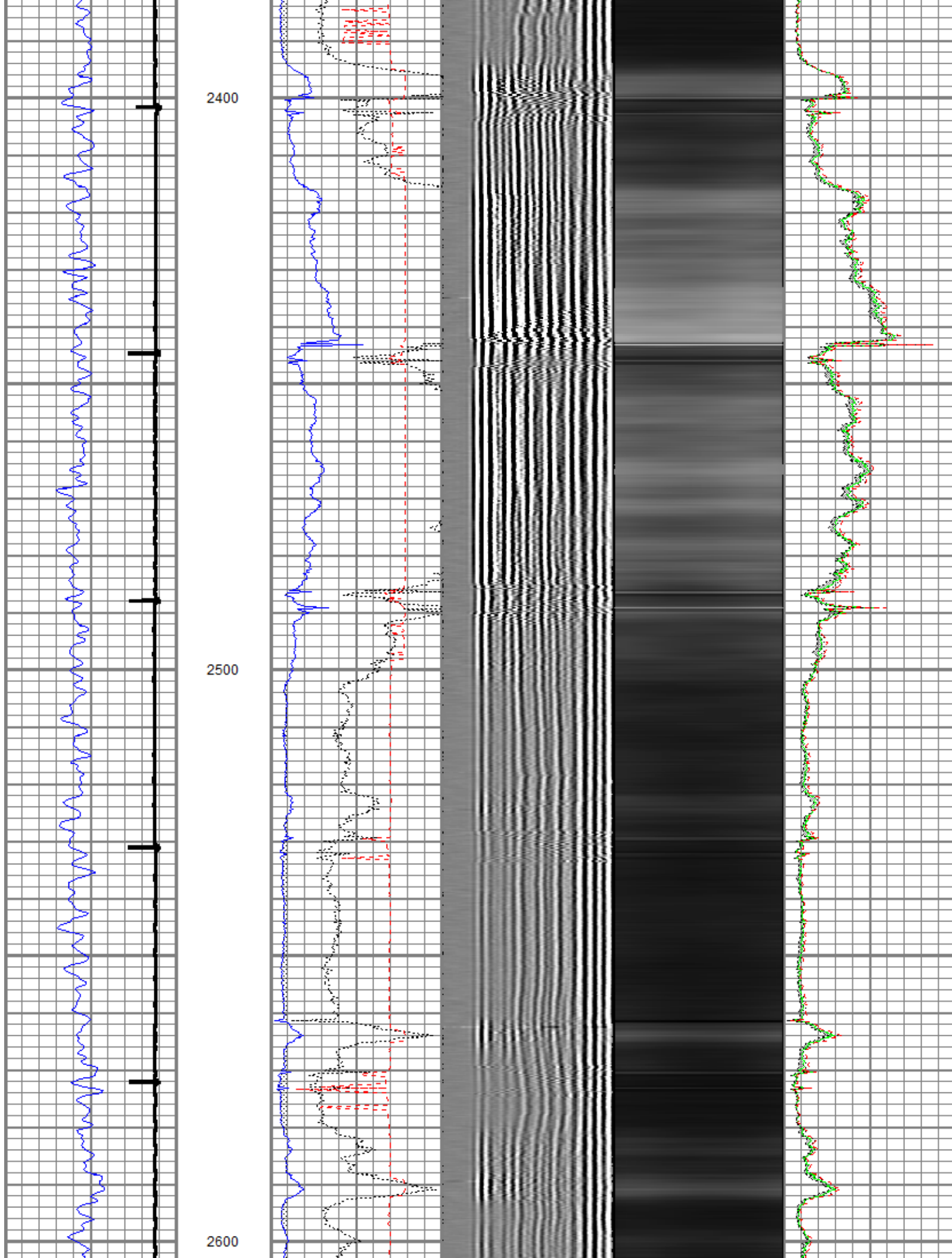


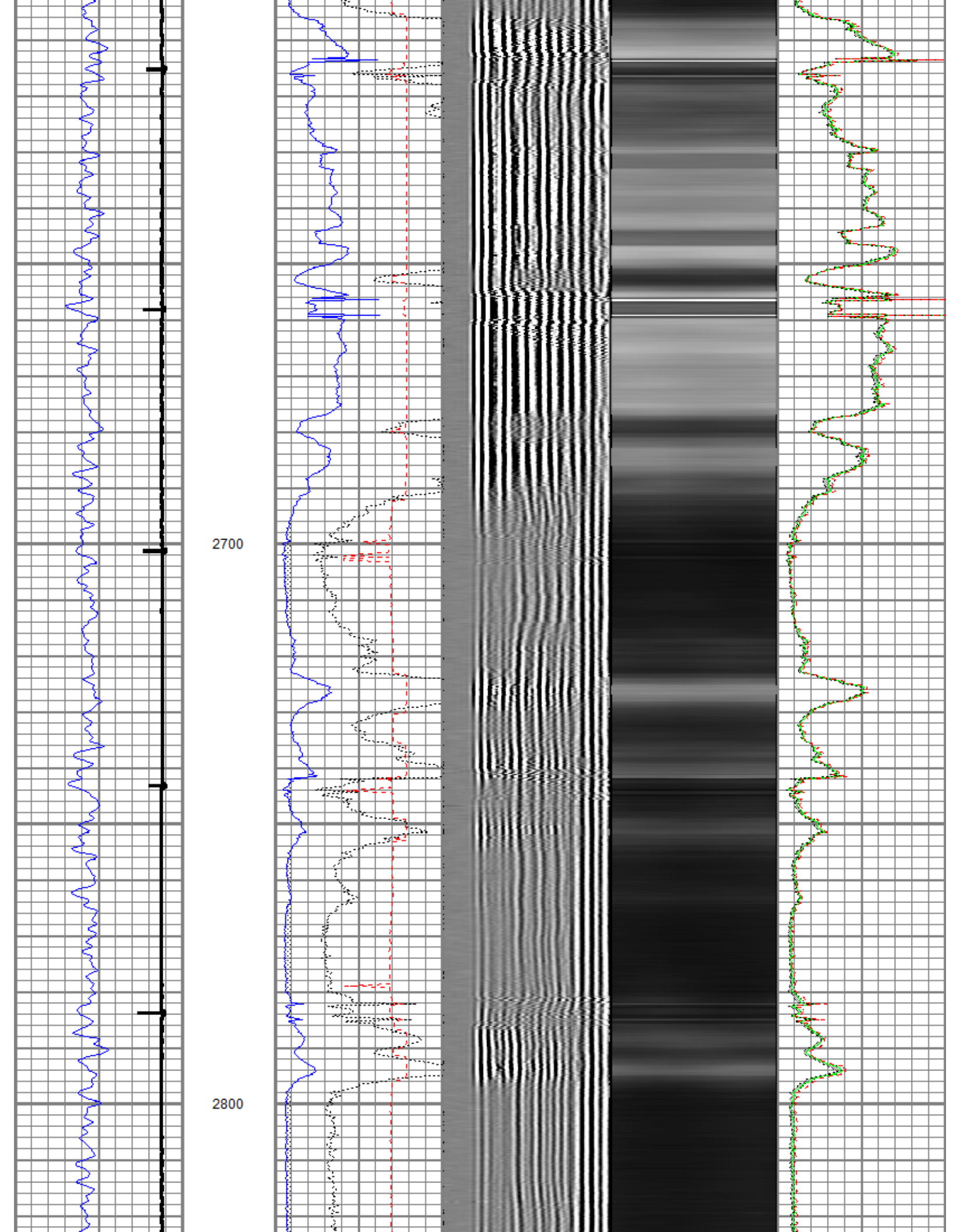


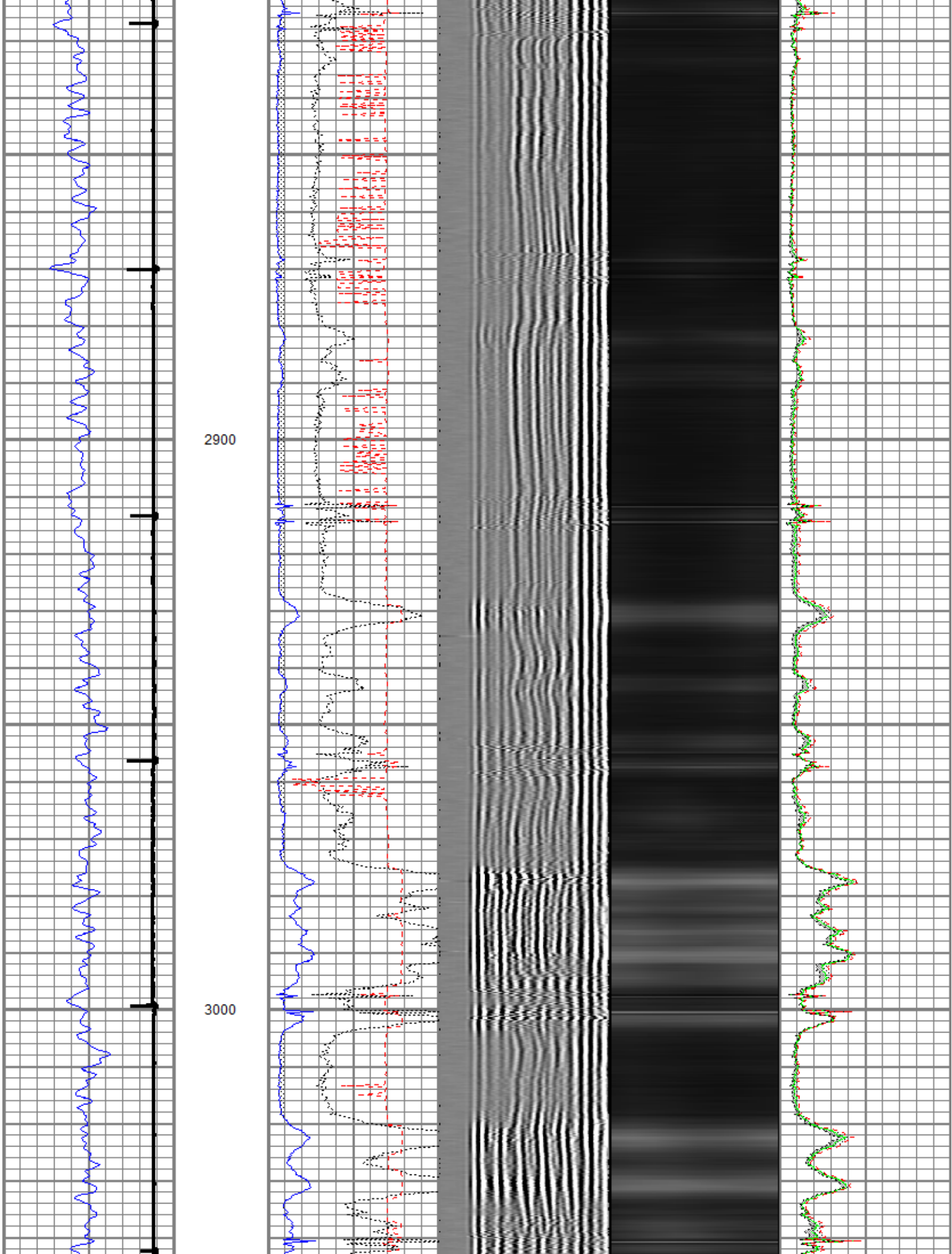


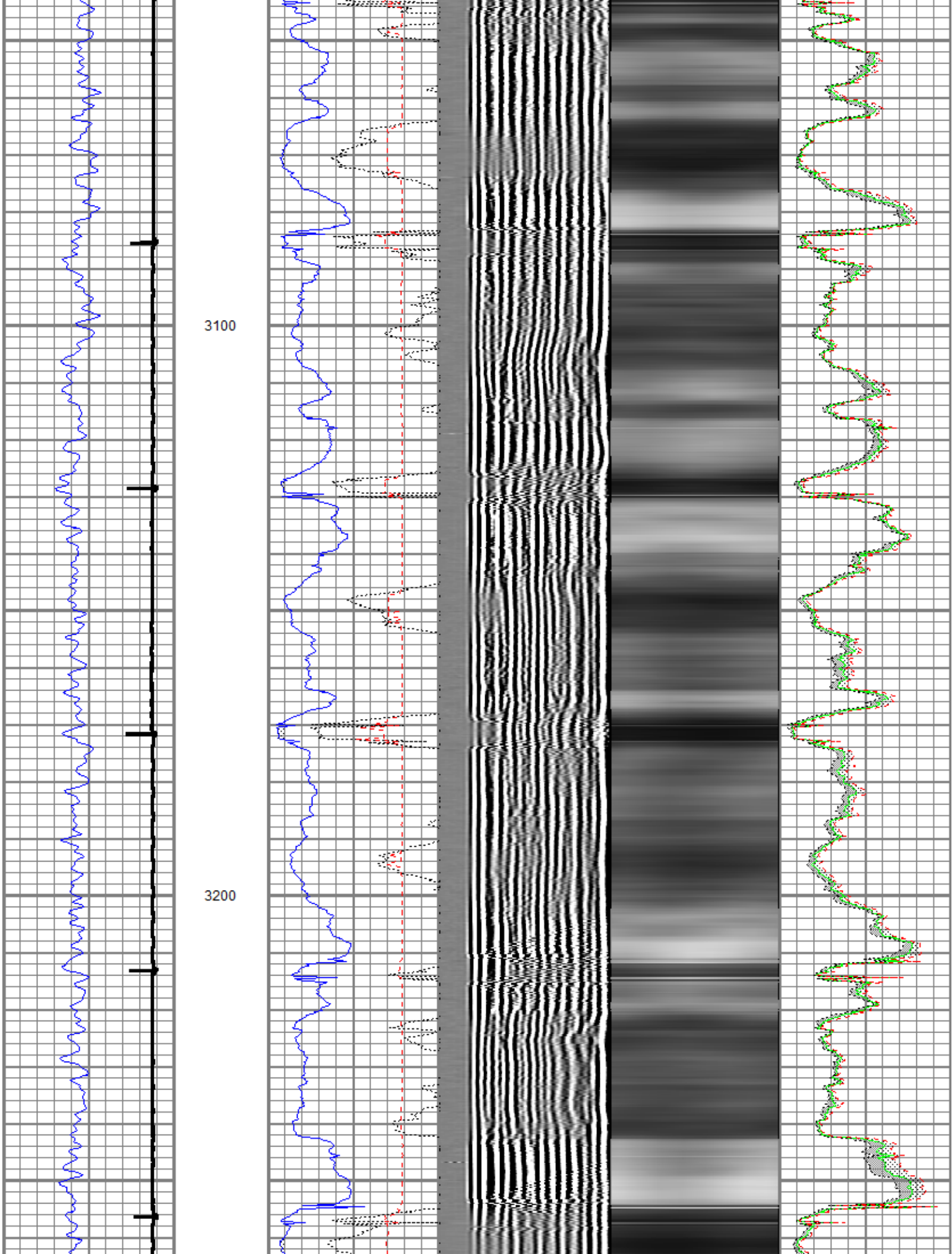


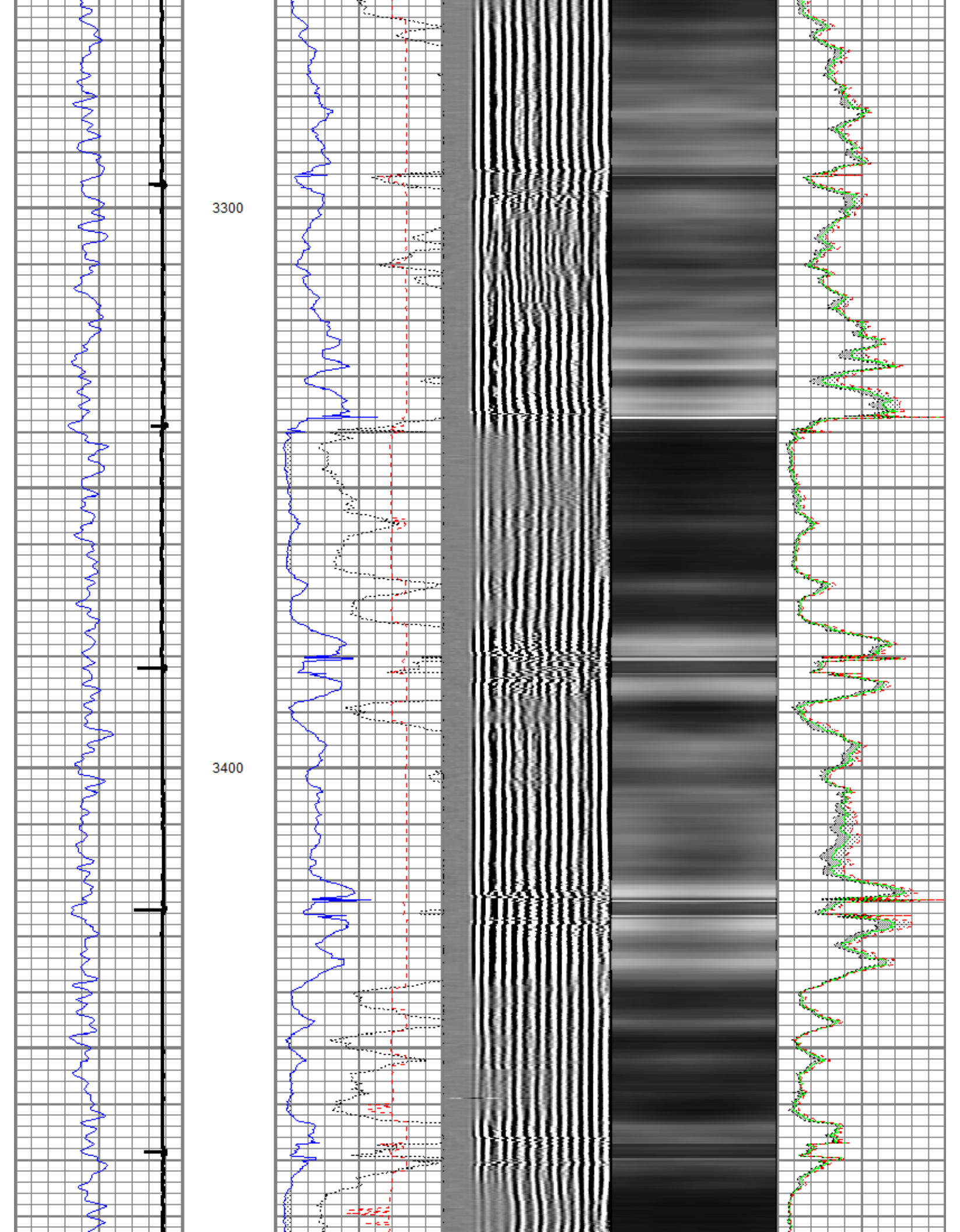


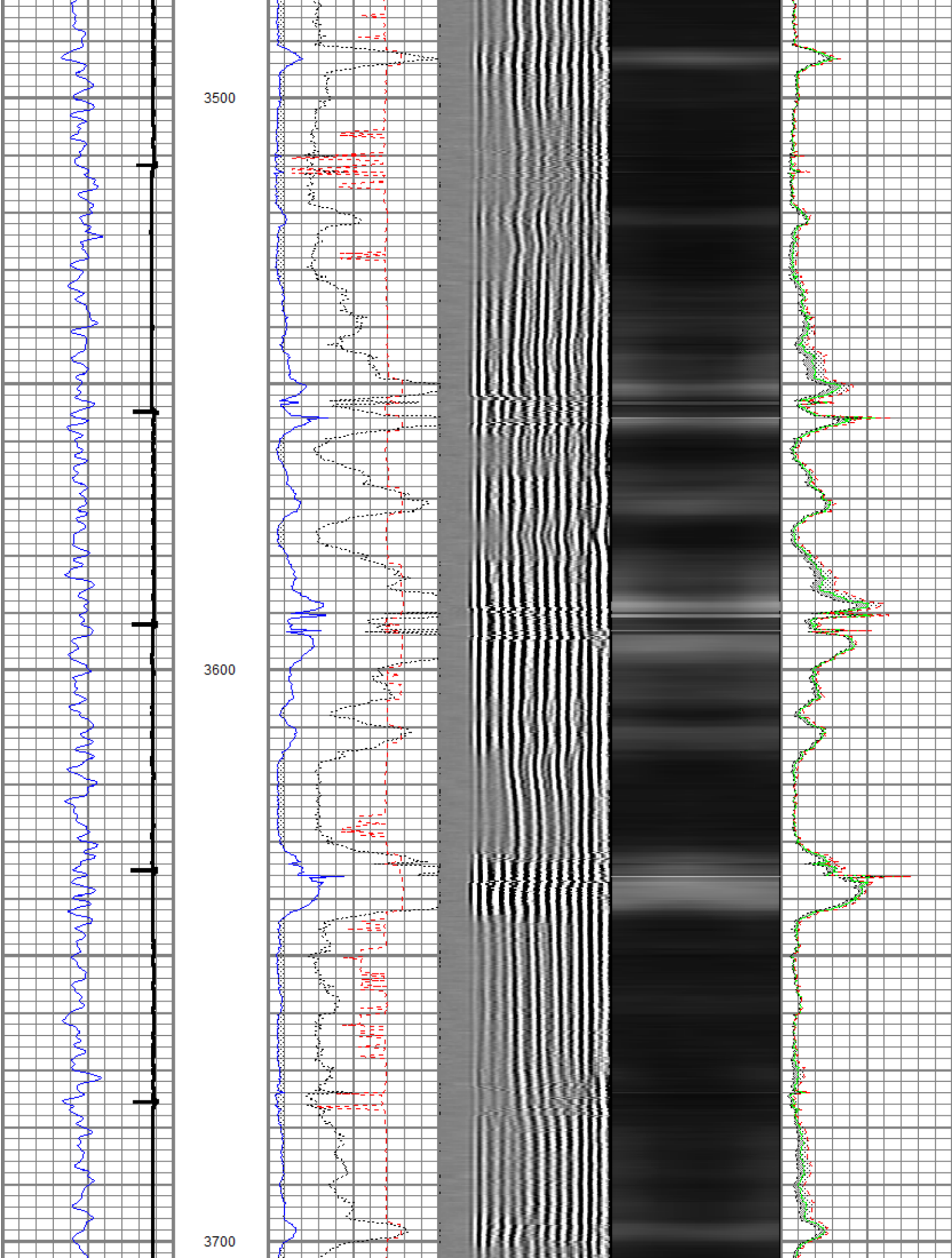


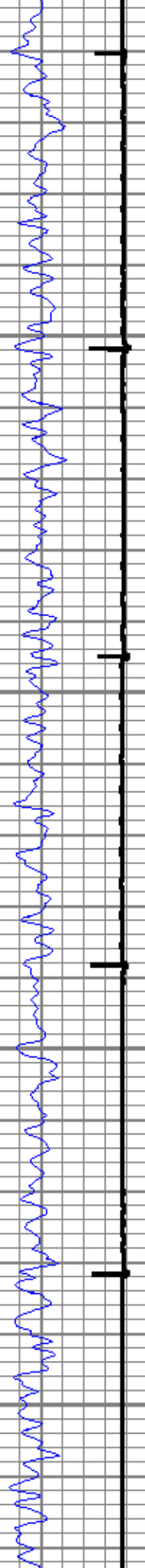






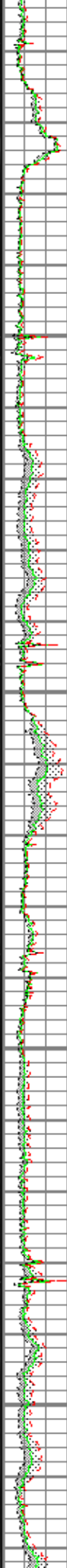
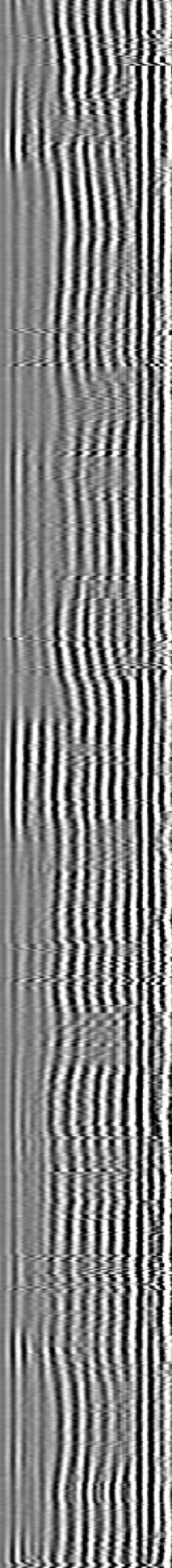
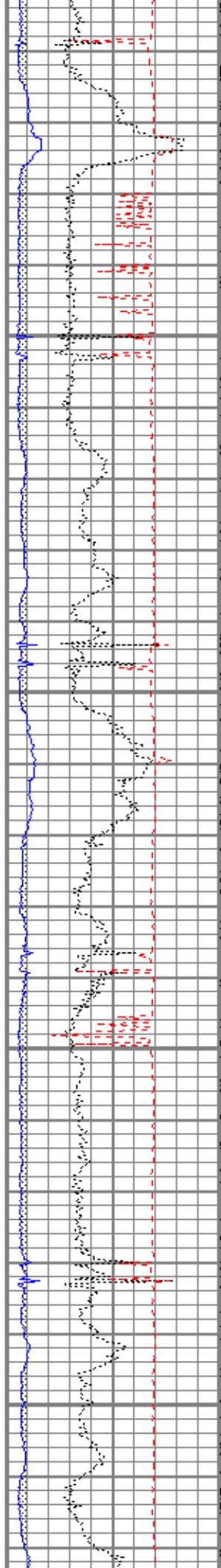


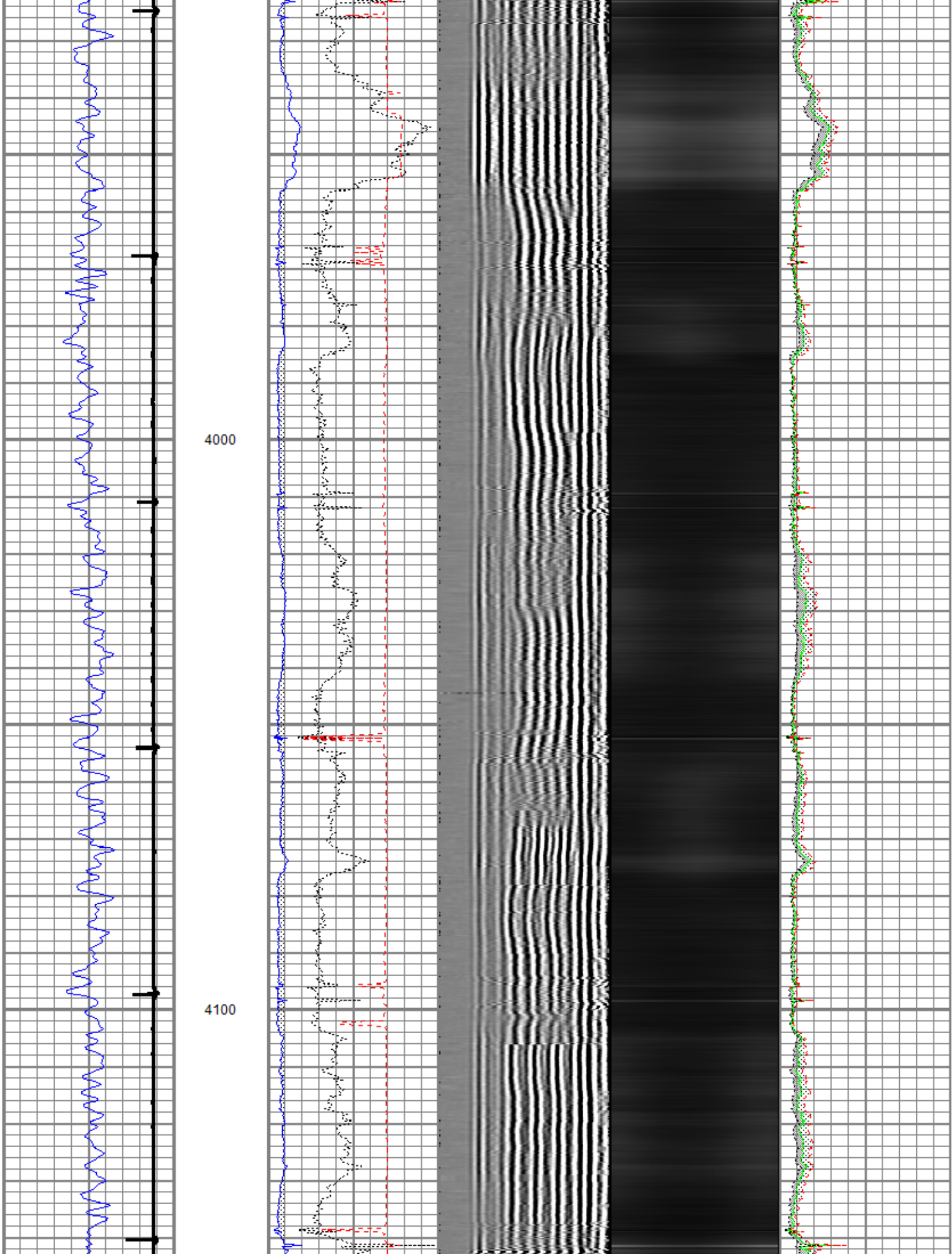


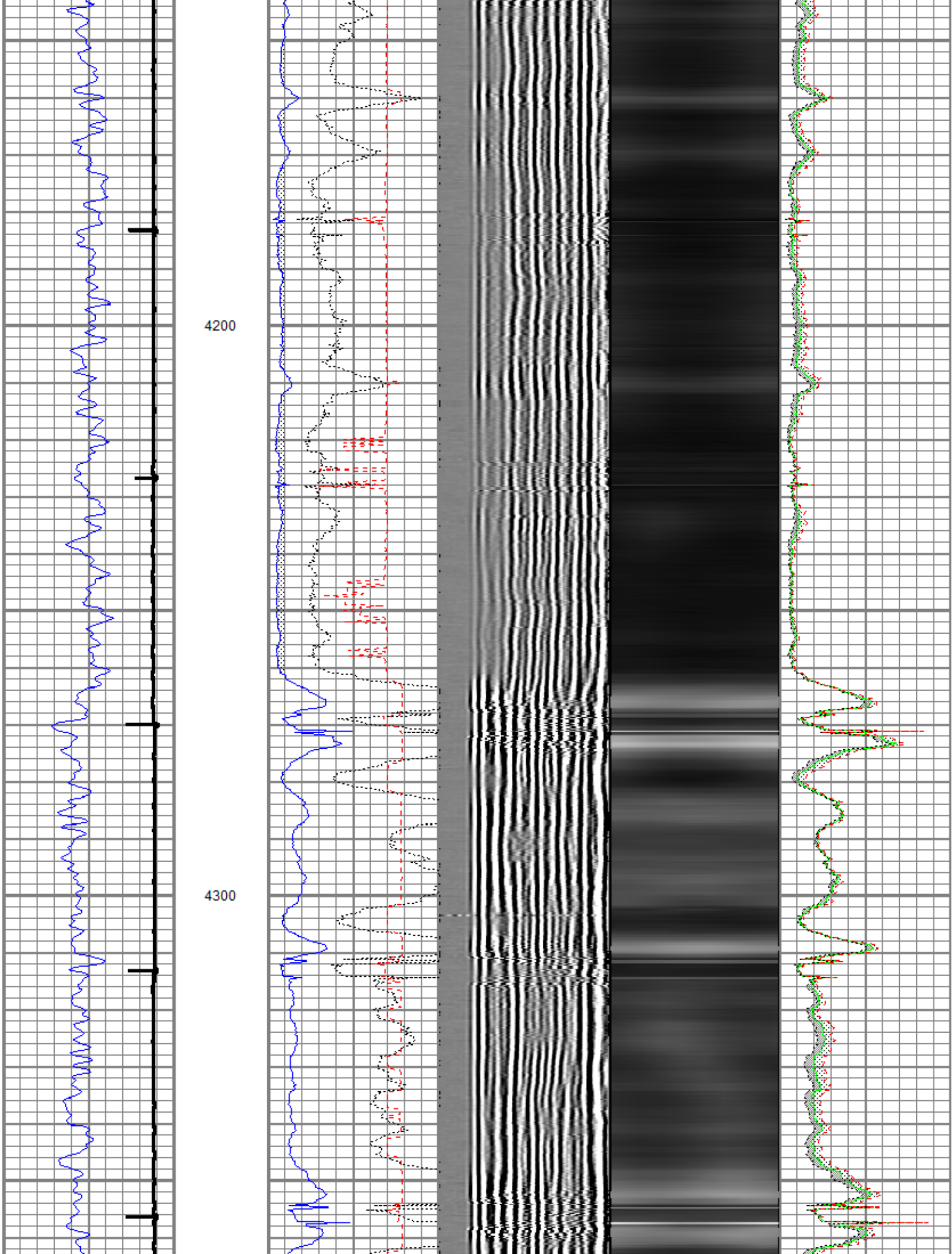


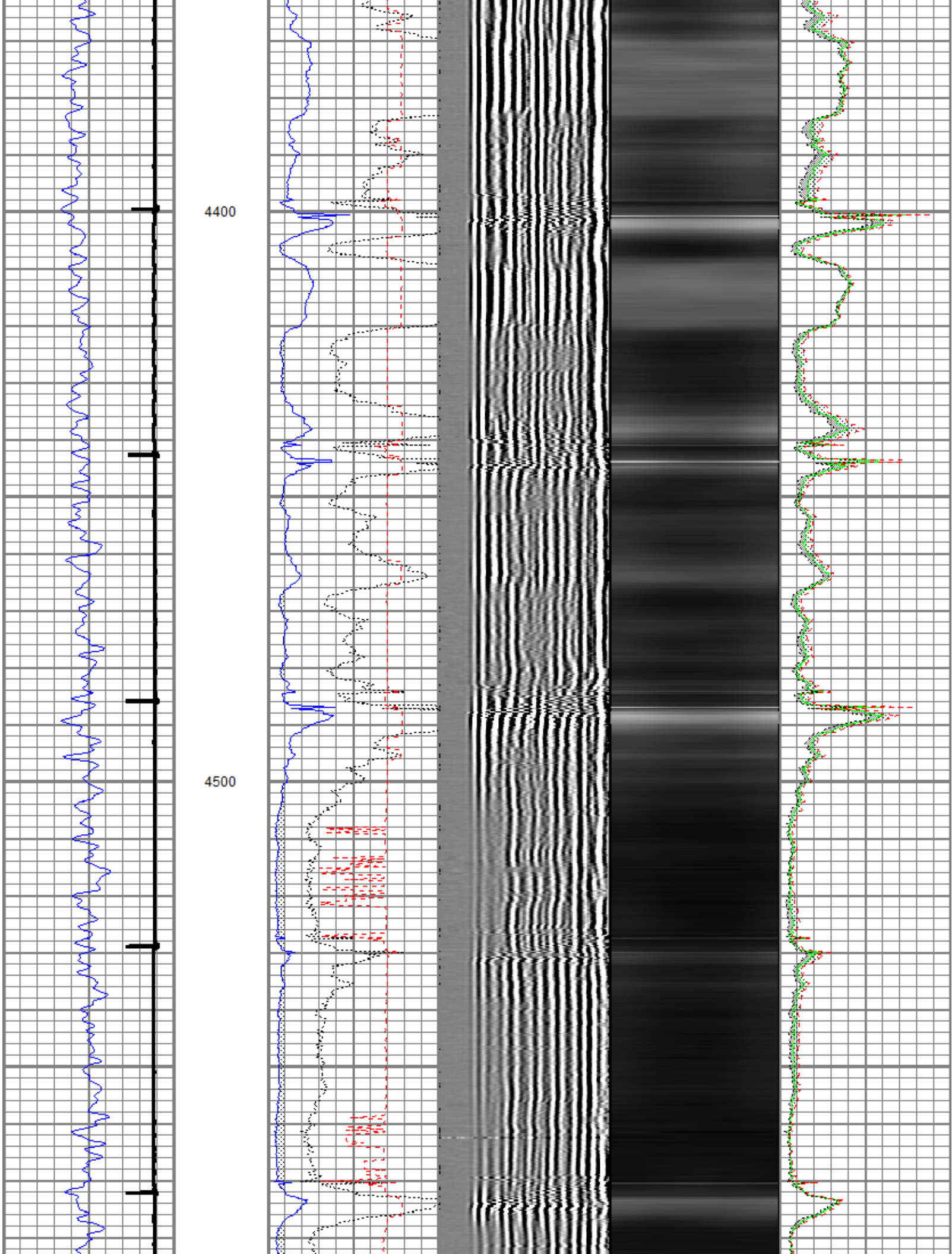
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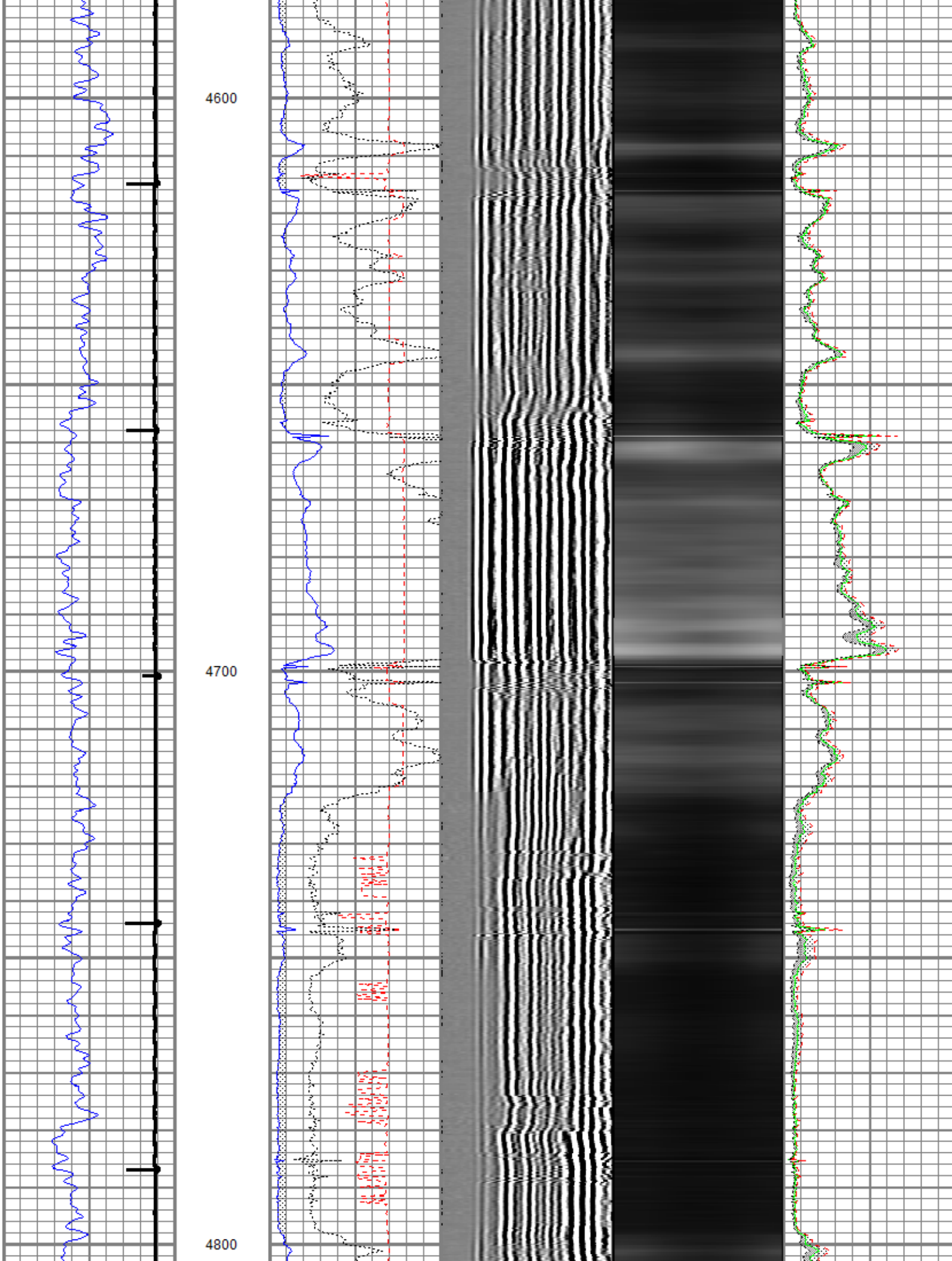
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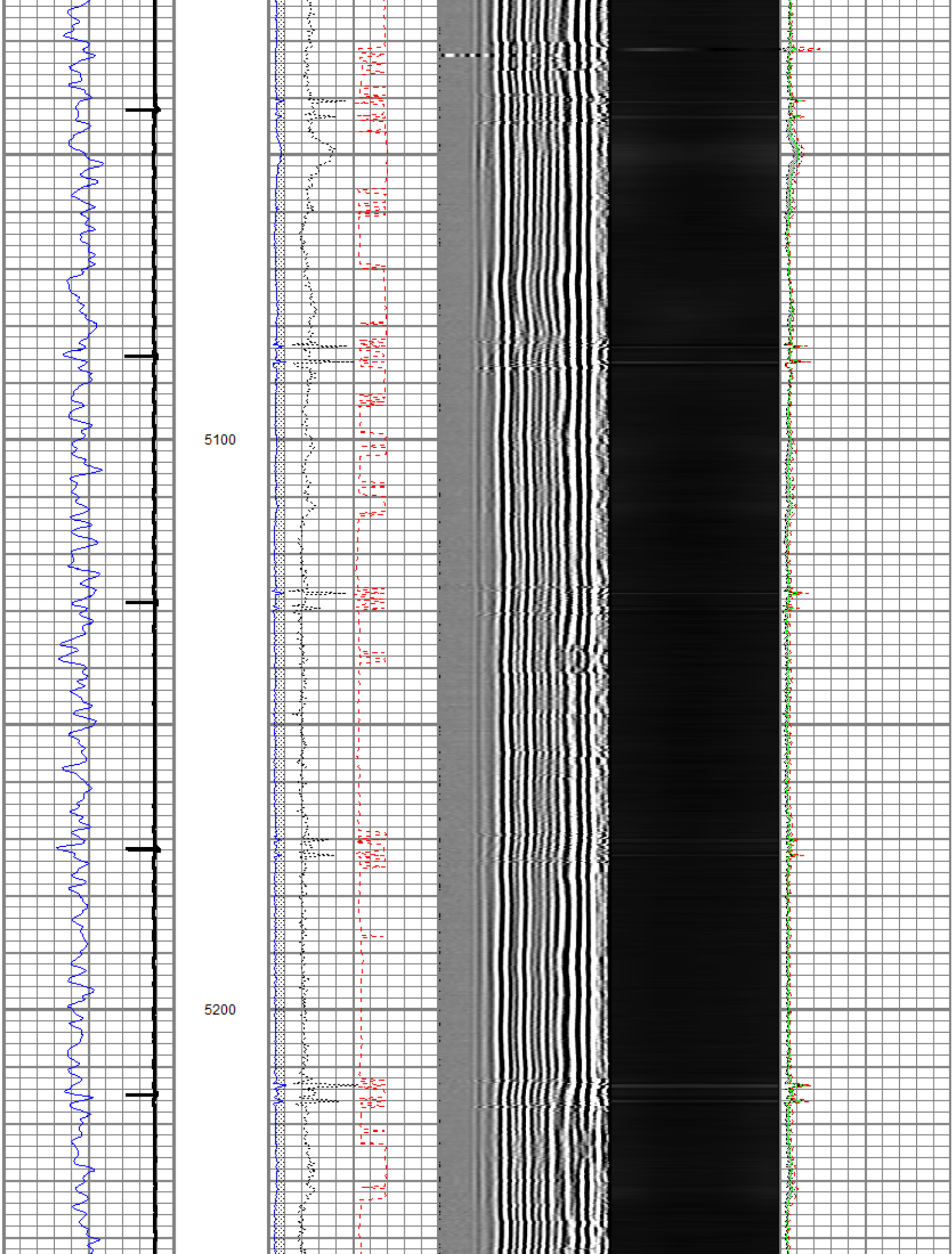


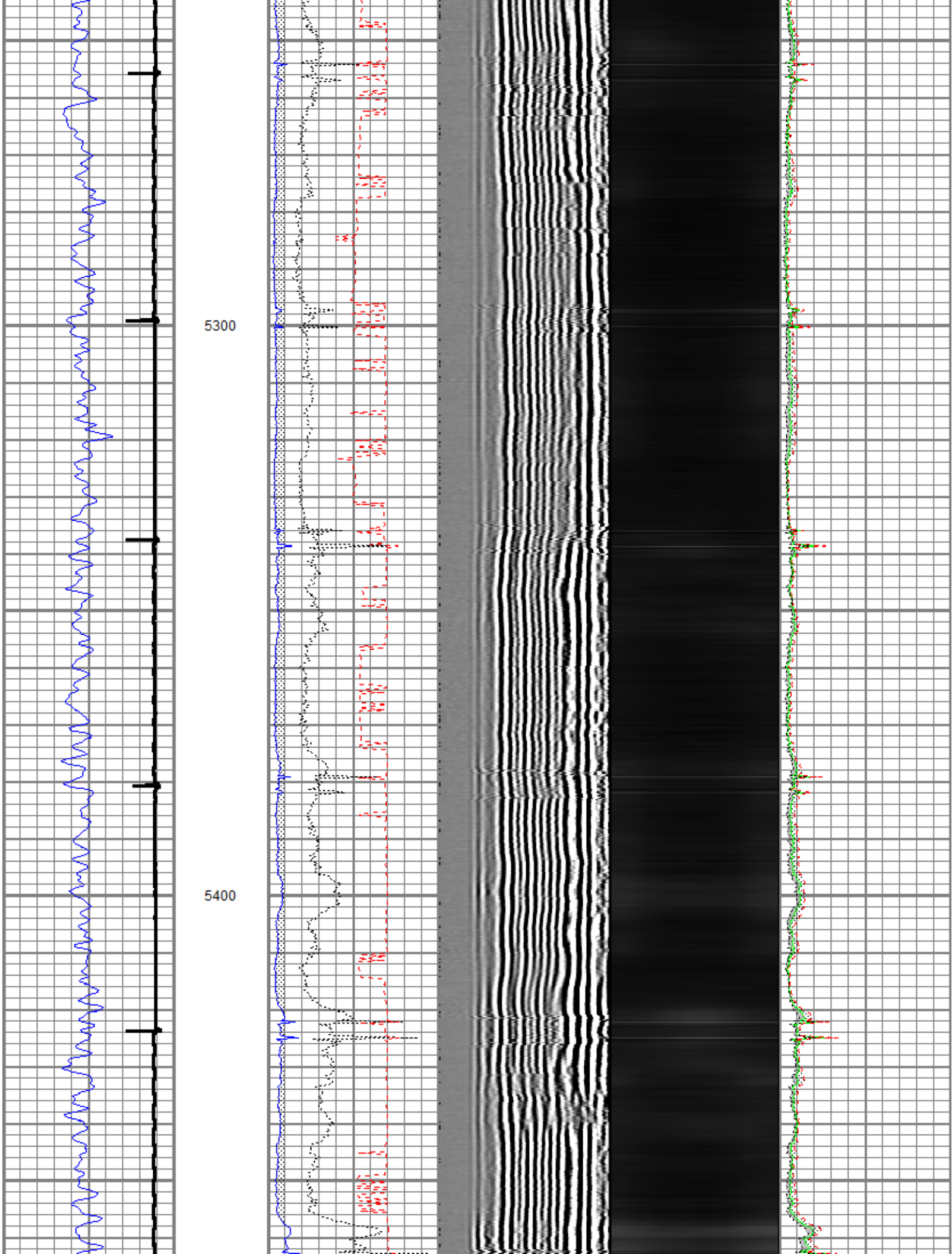


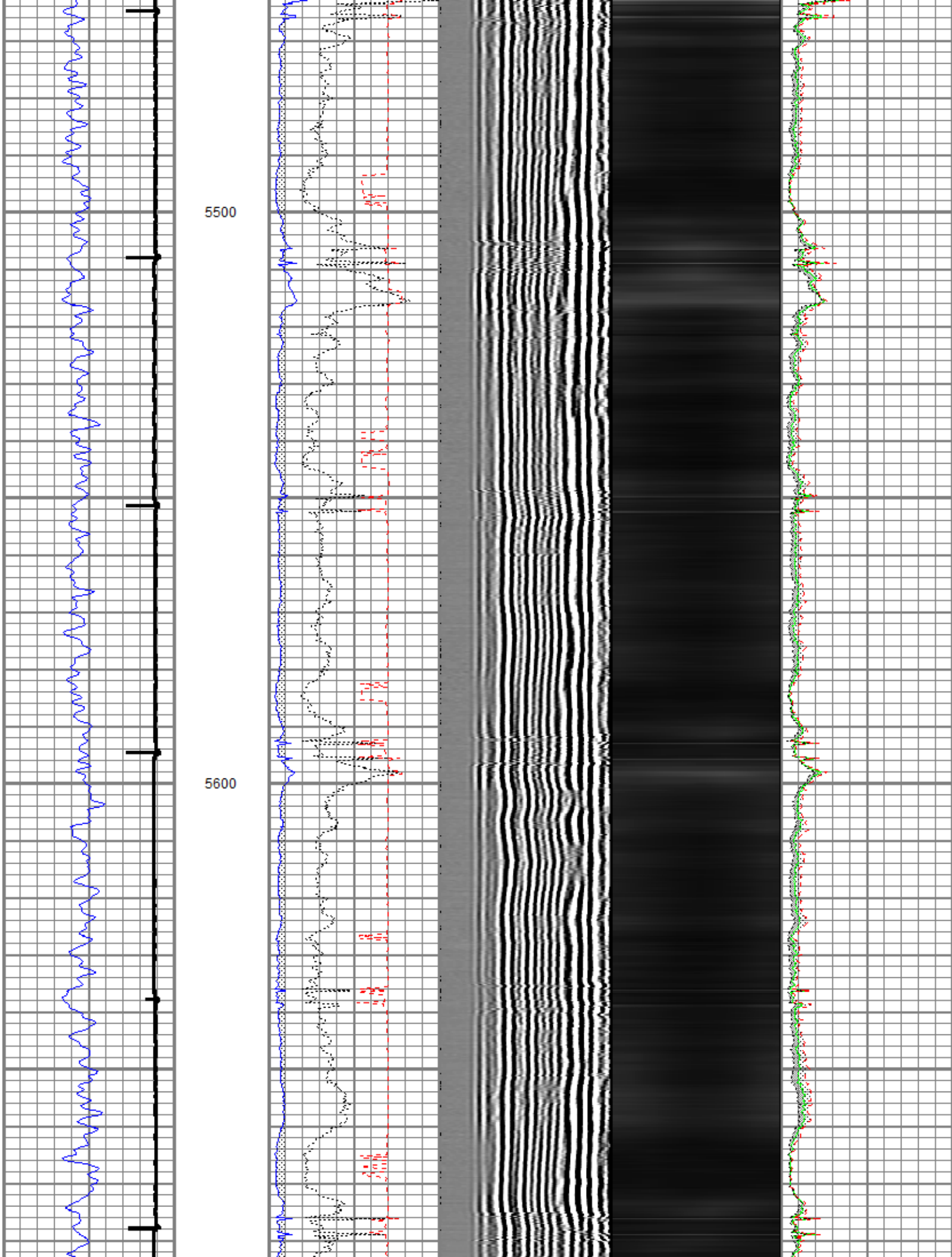


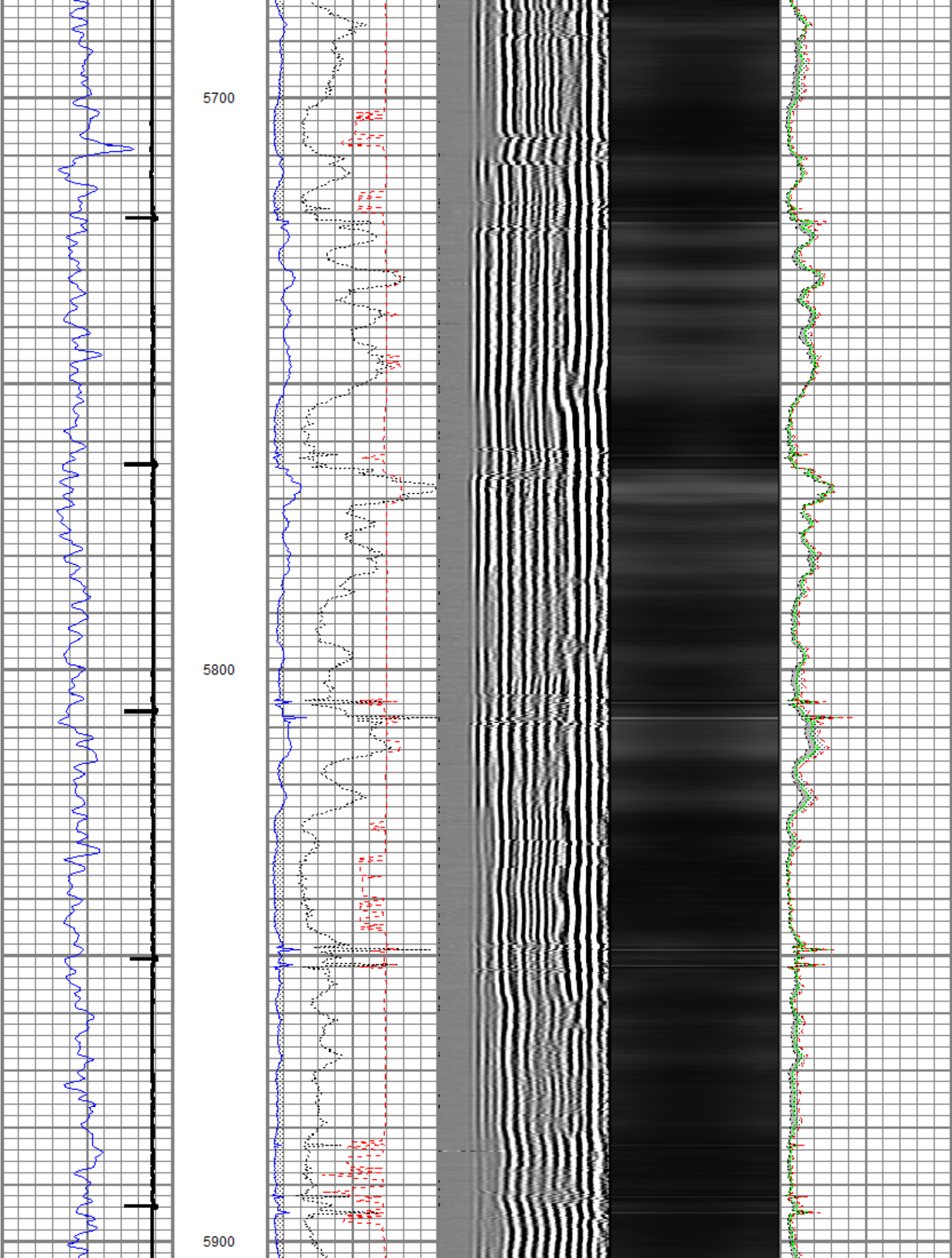


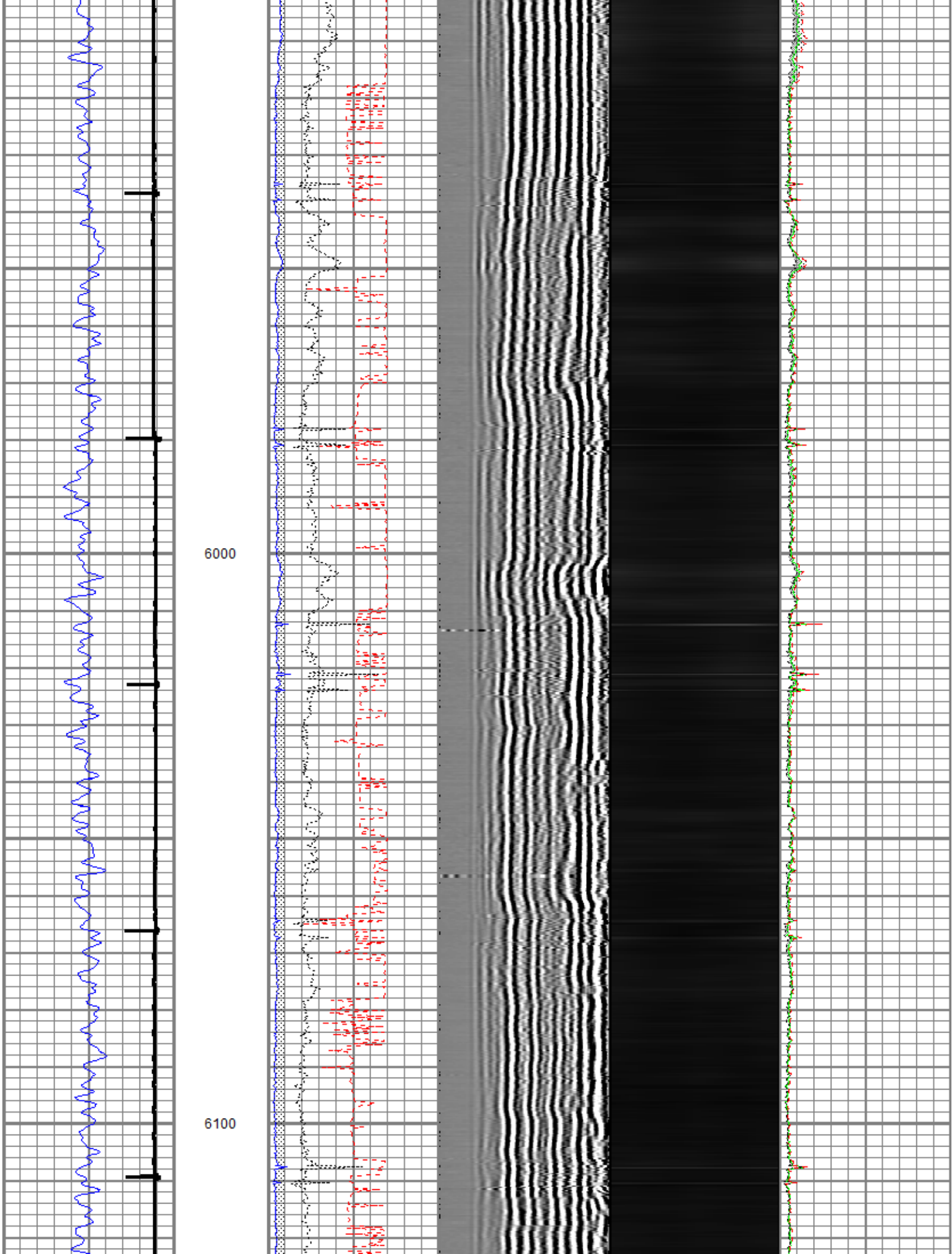


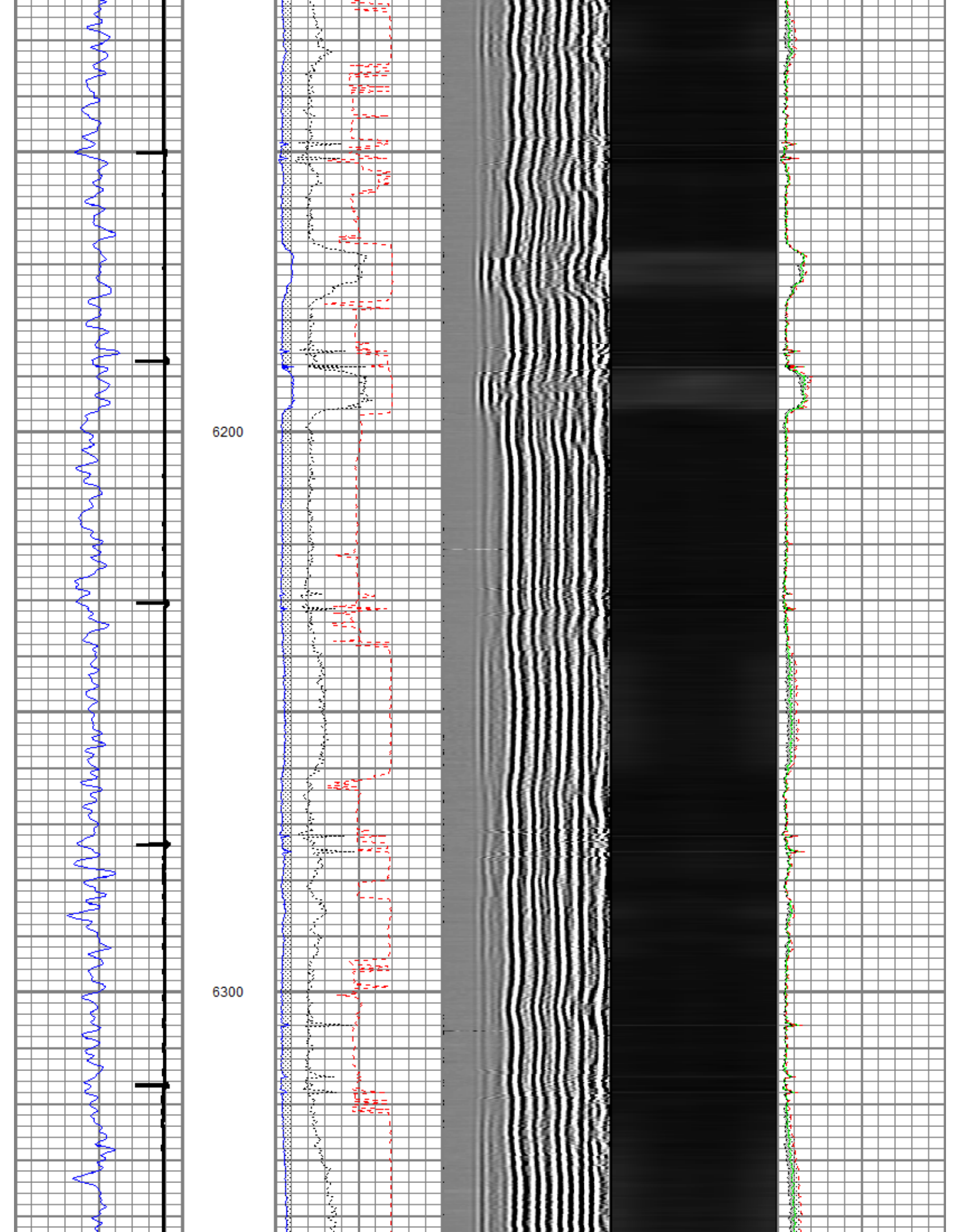


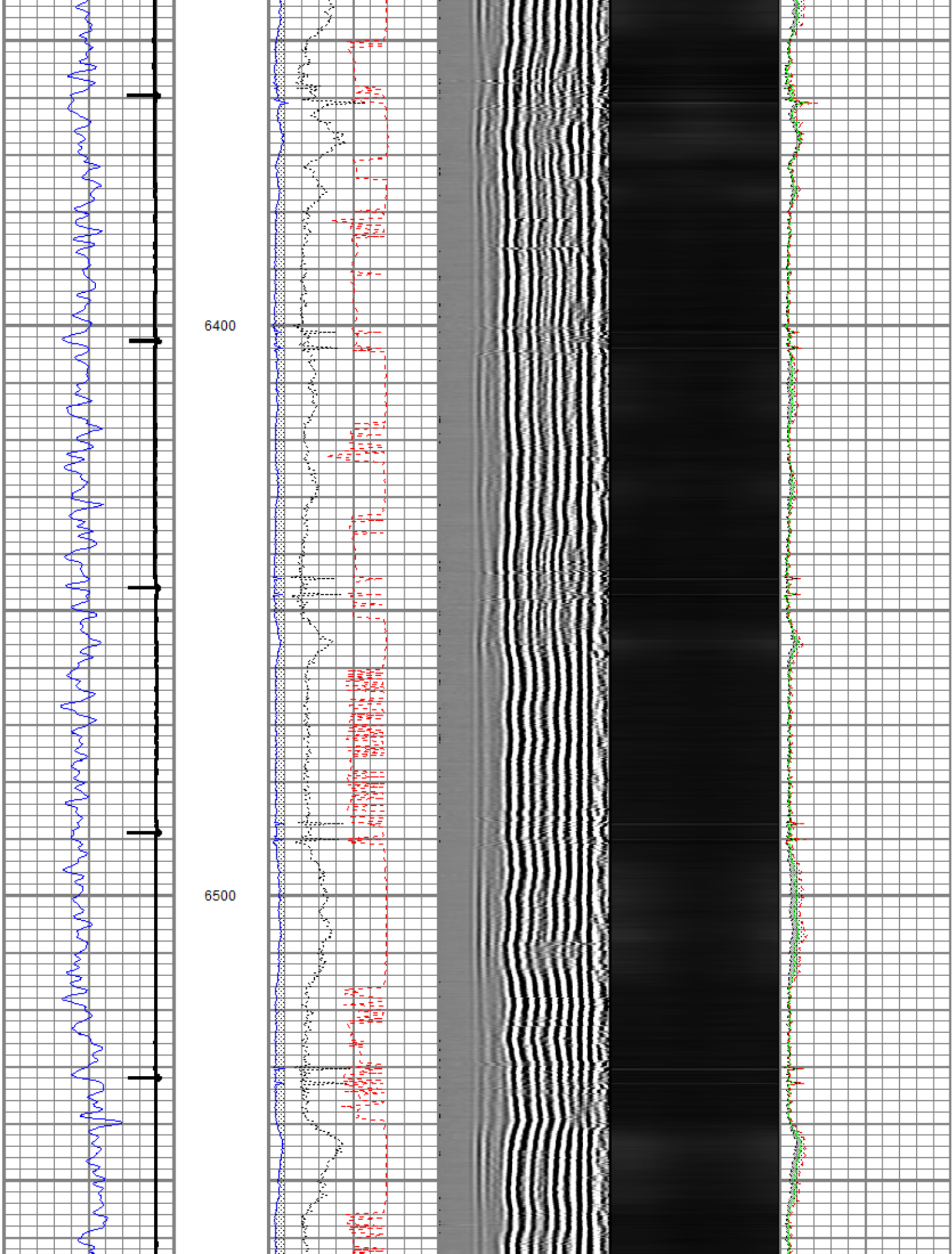


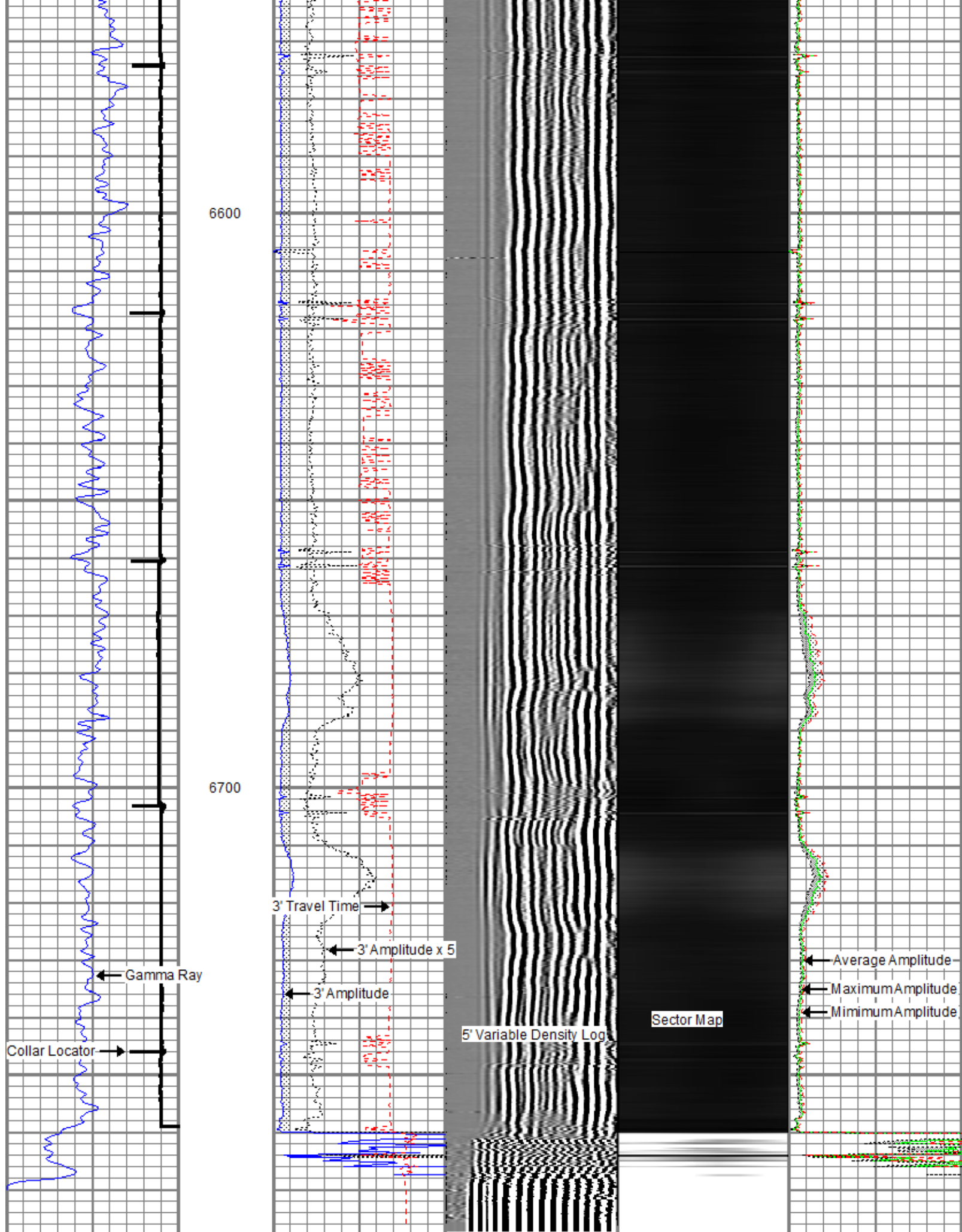












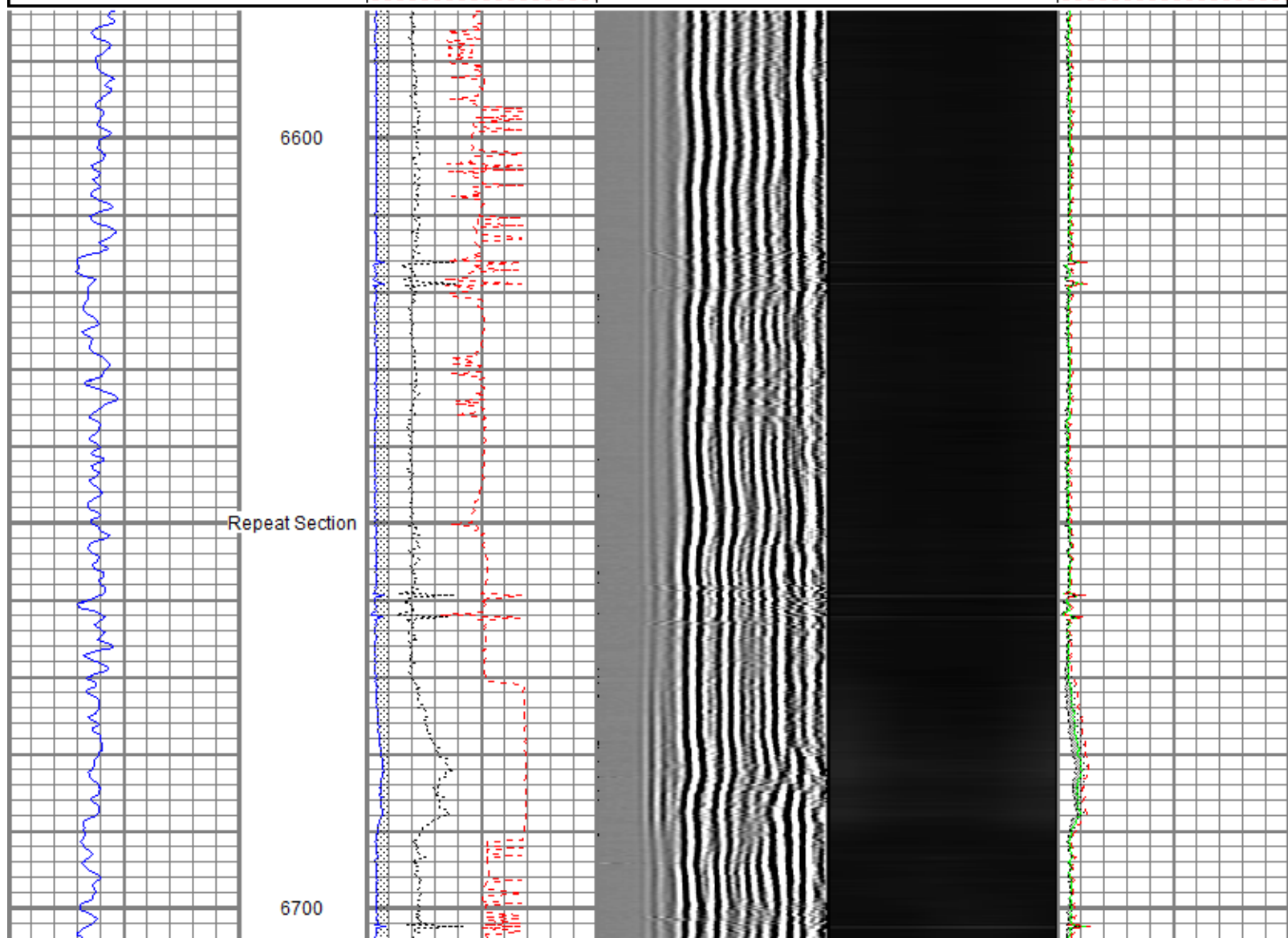
Gamma Ray	0	3' Amplitude (mV) 100	5' Variable Density Log	Sector Map	0	Average Amplitude 100
(GAPI) 150		3' Amplitude x 5	200 1200			Minimum Amplitude
Collar Locator	0	(mV) 20			0	100
		3' Travel Time				Maximum Amplitude
	650	(usec) 150			0	100

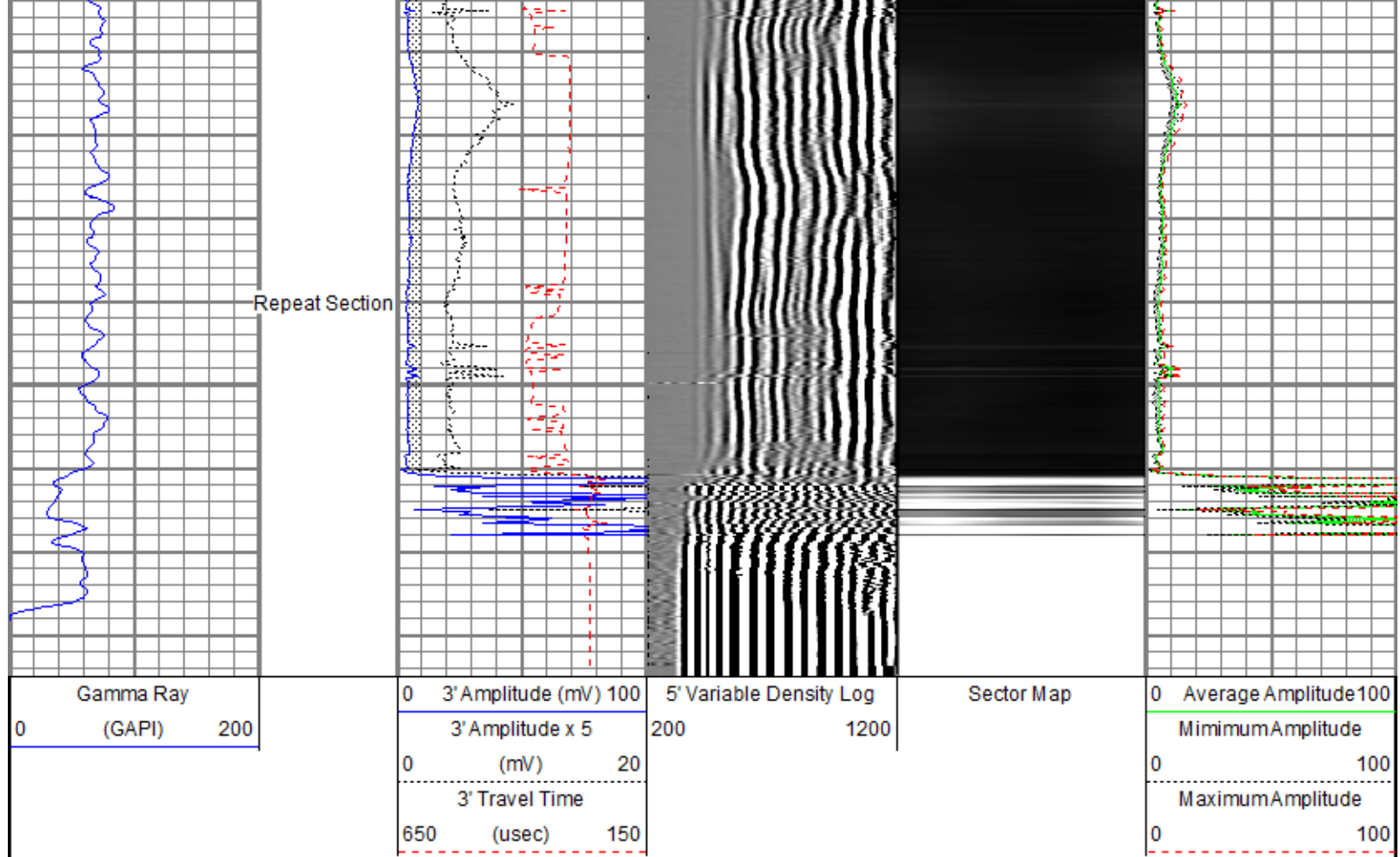


Repeat Pass

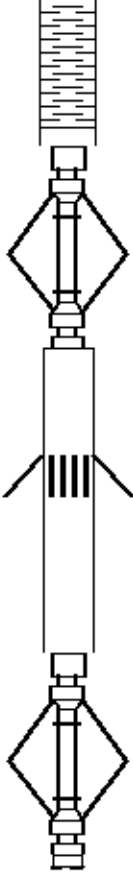
Database File: g:\anadarko_badding27n-26hz_cil_rcbl_29-mar-2014.db
 Dataset Pathname: repeat
 Presentation Format: rbt007
 Dataset Creation: Sat Mar 29 11:13:58 2014 by Log Sondex V7.03
 Charted by: Depth in Feet scaled 1:240

Gamma Ray	0	3' Amplitude (mV) 100	5' Variable Density Log	Sector Map	0	Average Amplitude 100
(GAPI) 200		3' Amplitude x 5	200 1200			Minimum Amplitude
	0	(mV) 20			0	100
		3' Travel Time				Maximum Amplitude
	650	(usec) 150			0	100





Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	23.67		AES 1-7/16" Cablehead	1.08	1.44	1.00
			AGS-001 (219135) Adaptor GO to Sondex	0.21	1.69	1.00
			XTU-002 (051219) Crossover Ultrawire Toolbus to Ultralink	1.58	1.69	6.50
			PGR-020 (10013899) Production Gamma Ray	1.93	1.69	9.50
			PRC-057 (1101) 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00
WVF3FT	15.85		RBT-004 (10012639in7) Radial Bond Tool (UW 3 1/8)	9.47	3.13	140.00
WVFS1	15.85					
WVFS2	15.85					
WVFS3	15.85					
WVFS4	15.85					
WVFS5	15.85					

WVFS6	15.85		PRC-057 (1102) 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00
WVFS7	15.85					
WVFS8	15.85					
CBLTEMP	15.85					
CBLROT	15.85					
WVF5FT	14.85					
MIT	5.41		MIT-042 (10014703) 40 Multifinger Imaging Tool	4.54	2.75	61.10
TSTAMP	0.00		PRC-057 (1037) 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00
ITEMPX	0.00		BUL-006 (218707) Bullnose Terminator	0.22	1.69	1.20
HVOLTX	0.00					
Dataset: anadarko_badding27n-26hz_cil_rcbl_29-mar-2014.db: field/well/run1/main Total Length: 27.97 ft Total Weight: 316.30 lb O.D. 3.13 in						

Calibration Report			
Database File:	g:\anadarko_badding27n-26hz_cil_rcbl_29-mar-2014.db		
Dataset Pathname:	calreport		
Dataset Creation:	Sat Mar 29 13:52:49 2014 by Log Sondex V7.03		
Multi-finger Imaging Tool Calibration Report			
Serial Number:	10014703		
Number of Fingers:	40		
Tool Model:	042		
Inclinometer Calibration Report			
Performed:	Fri Sep 20 11:47:48 2013		
Calibration Angle:	45		
	Inc X	Inc Y	
Vertical:	1963	1960	
Finger 1 up:	1748	1727	
Finger 31 up:	2195	1742	
Finger 21 up:	2178	2188	
Finger 11 up:	1727	2173	
Sensitivity ratio:	1.00706		
X-axis angle:	132.825		
Deviation const.:	317.775		

Finger Calibration Report							
	Performed: Sat Mar 29 10:25:06 2014						
Ring size:	4	5	6	7			
(in)	Sens	Sens	Sens				
Finger 01:	1067	356.0	1423	367.0	1790	415.0	2205
Finger 02:	1016	352.0	1368	393.0	1761	434.0	2195
Finger 03:	1019	336.0	1355	394.0	1749	425.0	2174
Finger 04:	978	335.0	1313	426.0	1739	448.0	2187
Finger 05:	1011	315.0	1326	412.0	1738	414.0	2152

Finger 06:	1002	317.0	1319	440.0	1759	430.0	2189
Finger 07:	1018	309.0	1327	441.0	1768	419.0	2187
Finger 08:	979	307.0	1286	463.0	1749	437.0	2186
Finger 09:	1042	309.0	1351	458.0	1809	408.0	2217
Finger 10:	1015	304.0	1319	466.0	1785	413.0	2198
Finger 11:	995	299.0	1294	487.0	1781	403.0	2184
Finger 12:	1081	301.0	1382	453.0	1835	379.0	2214
Finger 13:	1016	297.0	1313	473.0	1786	410.0	2196
Finger 14:	1008	310.0	1318	488.0	1806	424.0	2230
Finger 15:	989	313.0	1302	485.0	1787	426.0	2213
Finger 16:	1033	312.0	1345	468.0	1813	410.0	2223
Finger 17:	1070	316.0	1386	448.0	1834	392.0	2226
Finger 18:	1101	328.0	1429	432.0	1861	390.0	2251
Finger 19:	1071	338.0	1409	440.0	1849	400.0	2249
Finger 20:	991	342.0	1333	438.0	1771	416.0	2187
Finger 21:	1093	342.0	1435	409.0	1844	399.0	2243
Finger 22:	1070	362.0	1432	405.0	1837	407.0	2244
Finger 23:	1182	348.0	1530	361.0	1891	374.0	2265
Finger 24:	1091	382.0	1473	384.0	1857	407.0	2264
Finger 25:	1094	383.0	1477	369.0	1846	409.0	2255
Finger 26:	1126	391.0	1517	345.0	1862	397.0	2259
Finger 27:	1137	385.0	1522	329.0	1851	401.0	2252
Finger 28:	1098	402.0	1500	336.0	1836	413.0	2249
Finger 29:	1072	413.0	1485	333.0	1818	428.0	2246
Finger 30:	1065	411.0	1476	325.0	1801	427.0	2228
Finger 31:	1117	407.0	1524	309.0	1833	405.0	2238
Finger 32:	1058	409.0	1467	318.0	1785	422.0	2207
Finger 33:	1061	417.0	1478	314.0	1792	426.0	2218
Finger 34:	1054	408.0	1462	323.0	1785	434.0	2219
Finger 35:	1107	391.0	1498	310.0	1808	404.0	2212
Finger 36:	1038	393.0	1431	329.0	1760	430.0	2190
Finger 37:	1142	376.0	1518	313.0	1831	401.0	2232
Finger 38:	1088	377.0	1465	327.0	1792	415.0	2207
Finger 39:	1036	369.0	1405	352.0	1757	430.0	2187
Finger 40:	966	373.0	1339	379.0	1718	456.0	2174

Post Survey Calibration Check								
Performed: Sat Mar 29 13:52:18 2014								
Ring size: (in)	4	Nom. wear	5	Nom. wear	6	Nom. wear	7	Nom. wear
Finger 01:	3.981	-0.010	5.042	0.021	6.031	0.016	7.022	0.011
Finger 02:	3.808	-0.096	5.043	0.022	6.039	0.020	7.029	0.014
Finger 03:	3.981	-0.009	5.033	0.016	6.033	0.016	7.020	0.010
Finger 04:	3.965	-0.018	5.013	0.007	6.020	0.010	7.014	0.007
Finger 05:	3.985	-0.008	5.020	0.010	6.025	0.012	7.017	0.008
Finger 06:	3.992	-0.004	5.017	0.009	6.031	0.015	7.023	0.011
Finger 07:	3.979	-0.010	5.011	0.006	6.029	0.015	7.020	0.010
Finger 08:	3.986	-0.007	5.001	0.000	6.030	0.015	7.022	0.011
Finger 09:	3.982	-0.009	4.996	-0.002	6.025	0.012	7.019	0.009
Finger 10:	3.984	-0.008	4.995	-0.003	6.031	0.015	7.026	0.013
Finger 11:	3.979	-0.010	4.987	-0.006	5.992	-0.004	7.020	0.010
Finger 12:	3.968	-0.016	4.996	-0.002	6.027	0.013	7.026	0.013
Finger 13:	3.974	-0.013	5.000	-0.000	6.024	0.012	7.018	0.009
Finger 14:	3.975	-0.012	5.006	0.003	6.034	0.017	7.025	0.013
Finger 15:	3.972	-0.014	5.007	0.003	6.028	0.014	7.022	0.011
Finger 16:	3.965	-0.017	5.018	0.009	6.032	0.016	7.026	0.013
Finger 17:	3.959	-0.020	5.014	0.007	6.022	0.011	7.019	0.010
Finger 18:	3.962	-0.019	5.012	0.006	6.023	0.012	7.021	0.011
Finger 19:	3.973	-0.014	5.027	0.014	6.022	0.011	7.018	0.009
Finger 20:	3.970	-0.015	5.036	0.018	6.029	0.014	7.023	0.012
Finger 21:	3.968	-0.016	5.039	0.019	6.033	0.016	7.021	0.010
Finger 22:	3.978	-0.011	5.037	0.019	6.030	0.015	7.021	0.010
Finger 23:	3.974	-0.013	5.033	0.016	6.033	0.017	7.030	0.015
Finger 24:	3.983	-0.008	5.029	0.015	6.026	0.013	7.020	0.010
Finger 25:	3.990	-0.005	5.033	0.016	6.029	0.014	7.028	0.014
Finger 26:	3.980	-0.010	5.009	0.004	6.026	0.013	7.016	0.008
Finger 27:	3.983	-0.008	5.013	0.006	6.033	0.016	7.023	0.012
Finger 28:	3.983	-0.009	5.007	0.004	6.021	0.011	7.018	0.009
Finger 29:	3.987	-0.006	4.996	-0.002	6.034	0.017	7.018	0.009
Finger 30:	3.974	-0.013	4.984	-0.008	6.021	0.010	7.021	0.010
Finger 31:	3.974	-0.013	4.989	-0.005	6.020	0.010	7.017	0.009
Finger 32:	3.972	-0.014	4.990	-0.005	6.013	0.007	7.020	0.010

Finger 33:	3.988	-0.006	4.992	-0.004	6.028	0.014	7.024	0.012
Finger 34:	3.971	-0.015	4.999	-0.000	6.023	0.012	7.021	0.011
Finger 35:	3.967	-0.016	5.008	0.004	6.022	0.011	7.027	0.014
Finger 36:	3.964	-0.018	5.020	0.010	6.024	0.012	7.024	0.012
Finger 37:	3.966	-0.017	5.021	0.011	6.028	0.014	7.024	0.012
Finger 38:	3.968	-0.016	5.017	0.009	6.028	0.014	7.024	0.012
Finger 39:	3.964	-0.018	5.039	0.020	6.030	0.015	7.024	0.012
Finger 40:	3.961	-0.020	5.030	0.015	6.024	0.012	7.018	0.009
Average:	3.971	-0.015	5.014	0.007	6.026	0.013	7.022	0.011

Segmented Cement Bond Log Calibration Report

Serial Number: 10012639in7
Tool Model: 004

Calibration Casing Diameter: 7.000 in
Calibration Depth: 0.000 ft

Master Calibration, performed Sat Mar 29 10:27:29 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	-0.000	0.640	0.800	62.165	95.830	0.825
5FT	-0.004	0.686	0.800	62.165	88.856	1.199
S1	0.000	0.680	0.000	100.000	147.100	-0.018
S2	-0.001	0.621	0.000	100.000	160.675	0.173
S3	-0.000	0.582	0.000	100.000	171.780	0.027
S4	-0.002	0.579	0.000	100.000	171.978	0.420
S5	-0.000	0.613	0.000	100.000	163.019	0.012
S6	0.000	0.667	0.000	100.000	149.892	-0.035
S7	-0.000	0.709	0.000	100.000	140.865	0.058
S8	-0.000	0.716	0.000	100.000	139.584	0.065

Gamma Ray Calibration Report

Serial Number: 10013899
Tool Model: 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



Company Kerr-McGee Oil & Gas Onshore, L.P.
Well Badding 27N-26HZ
Field Wattenberg
County Weld
State Colorado Country