



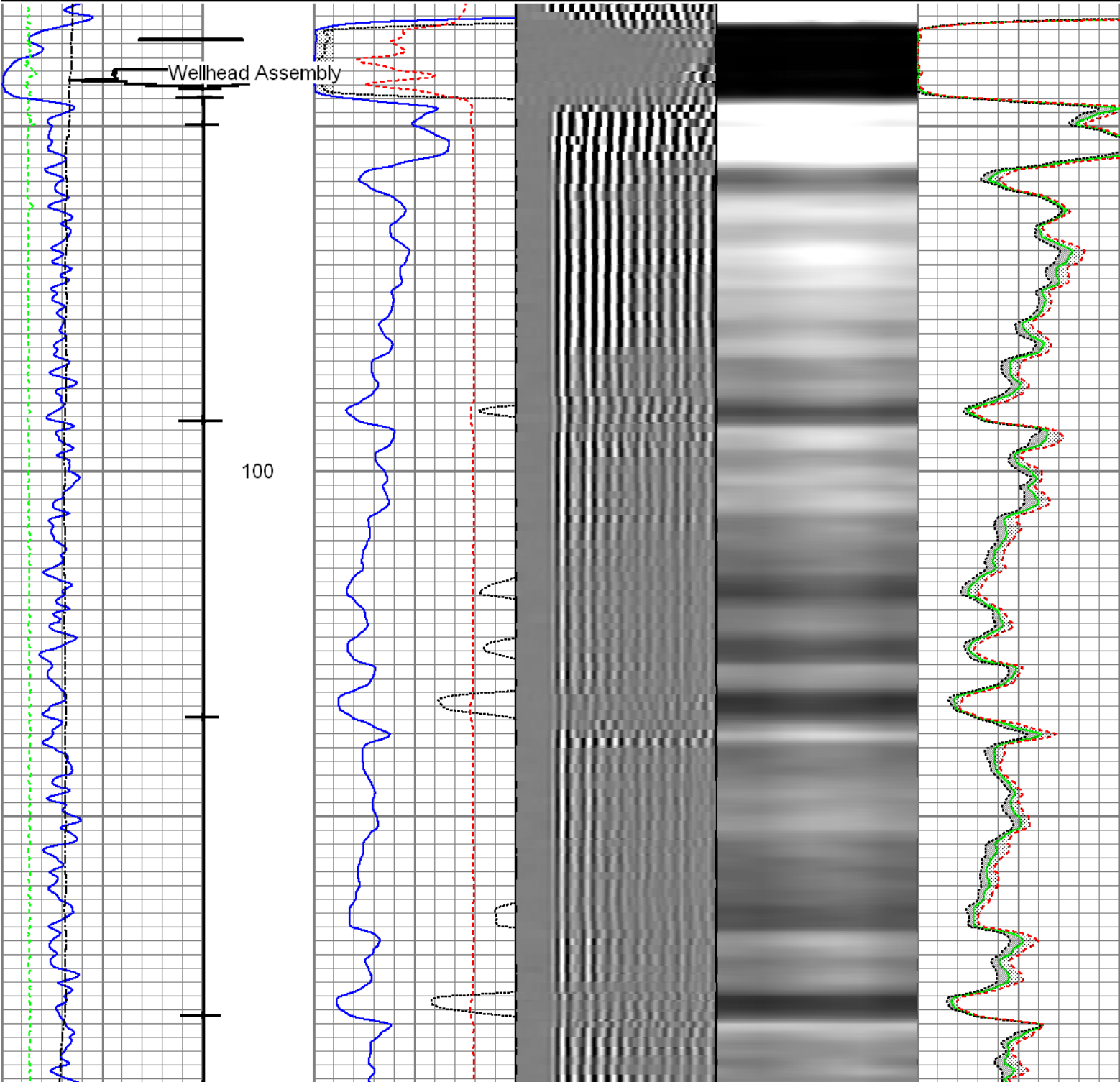
<<< Fold Here >>>
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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 Log ran from below the liner top to surface. Log ran with 2500 PSI surface induced pressure. Depth referenced to Casing Tally reported Liner top @ 6738 FT Adjusted log +18 FT from KB zero to correlate to Liner Top Thank you for choosing FMC Technologies Completion Services, Inc.!!

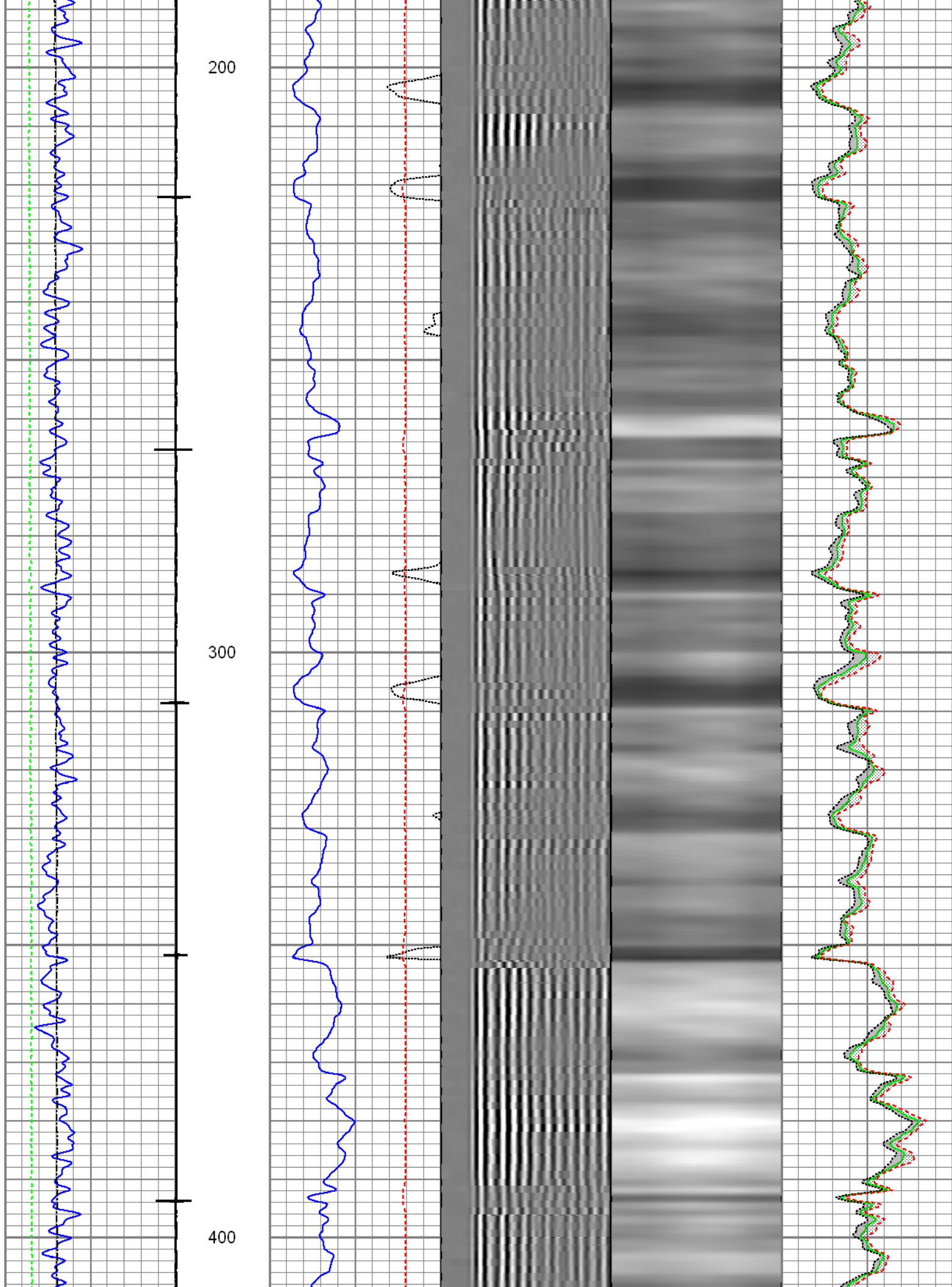


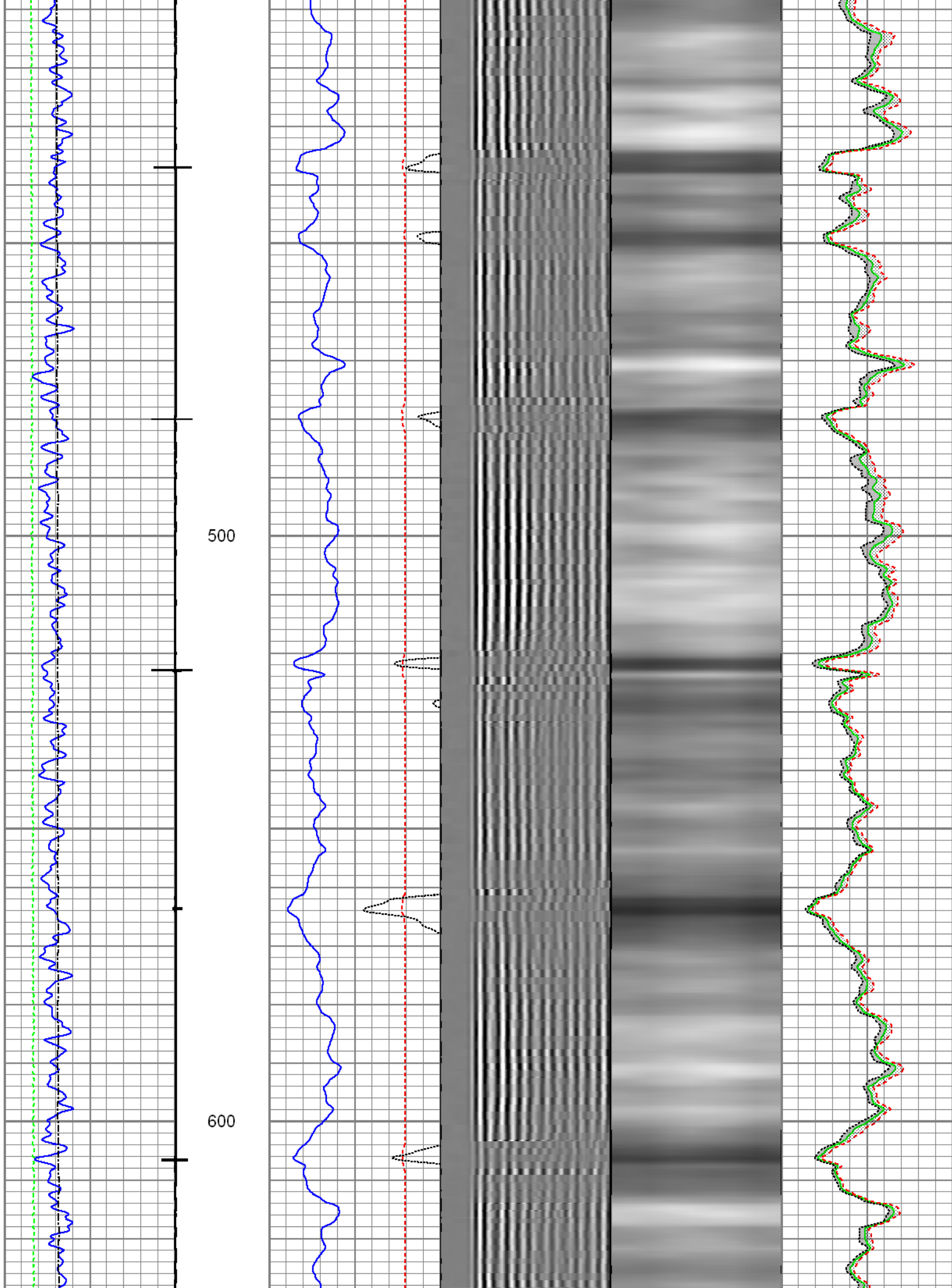
Logged under 2500 psi of surface induced pressure

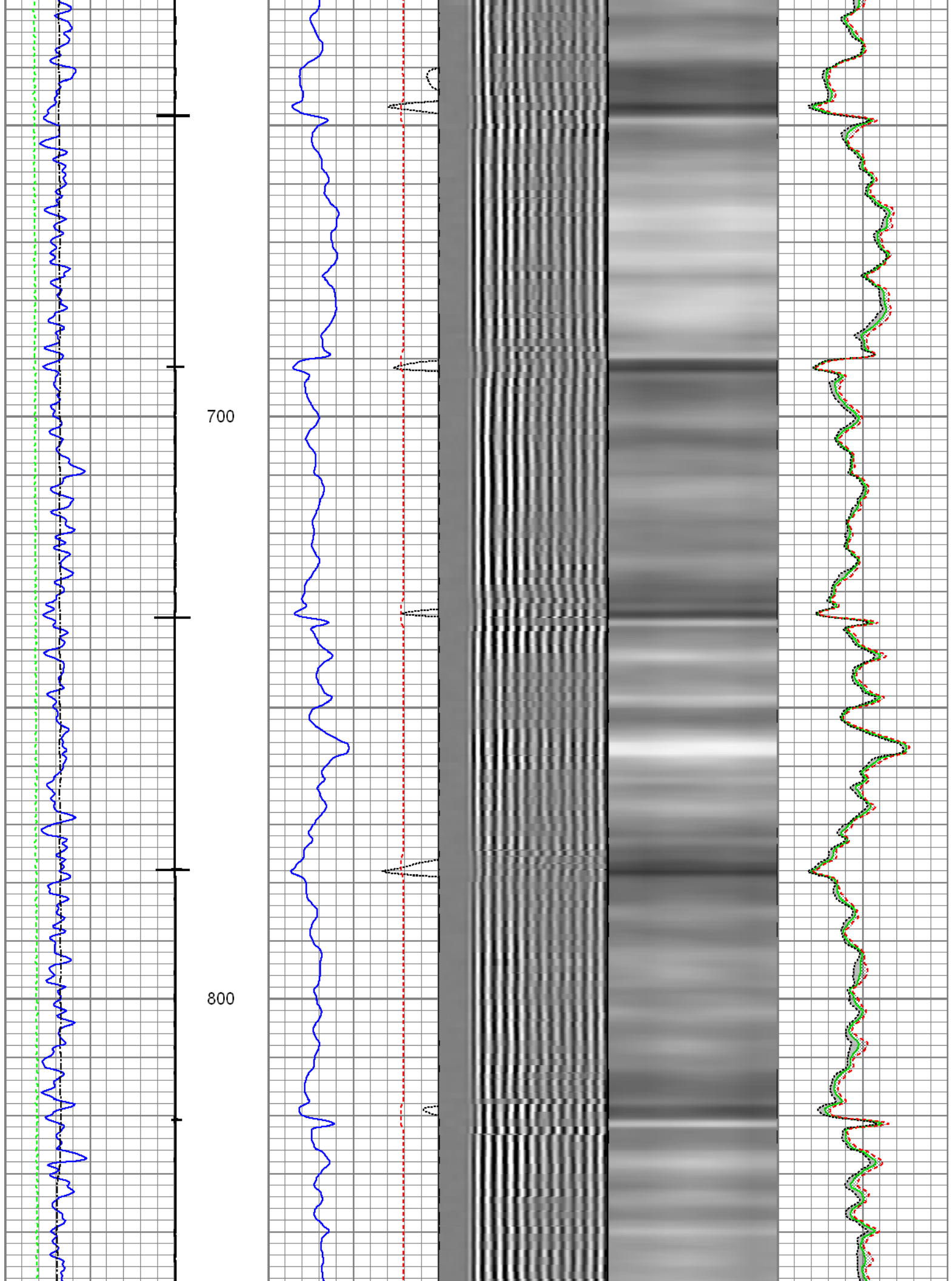
Database File: 0512339185_anadarko_barefoot state 34n-25hz_08-28-14_mit_rbl.db
Dataset Pathname: main_7
Presentation Format: rbt004
Dataset Creation: Thu Aug 28 10:25:02 2014 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

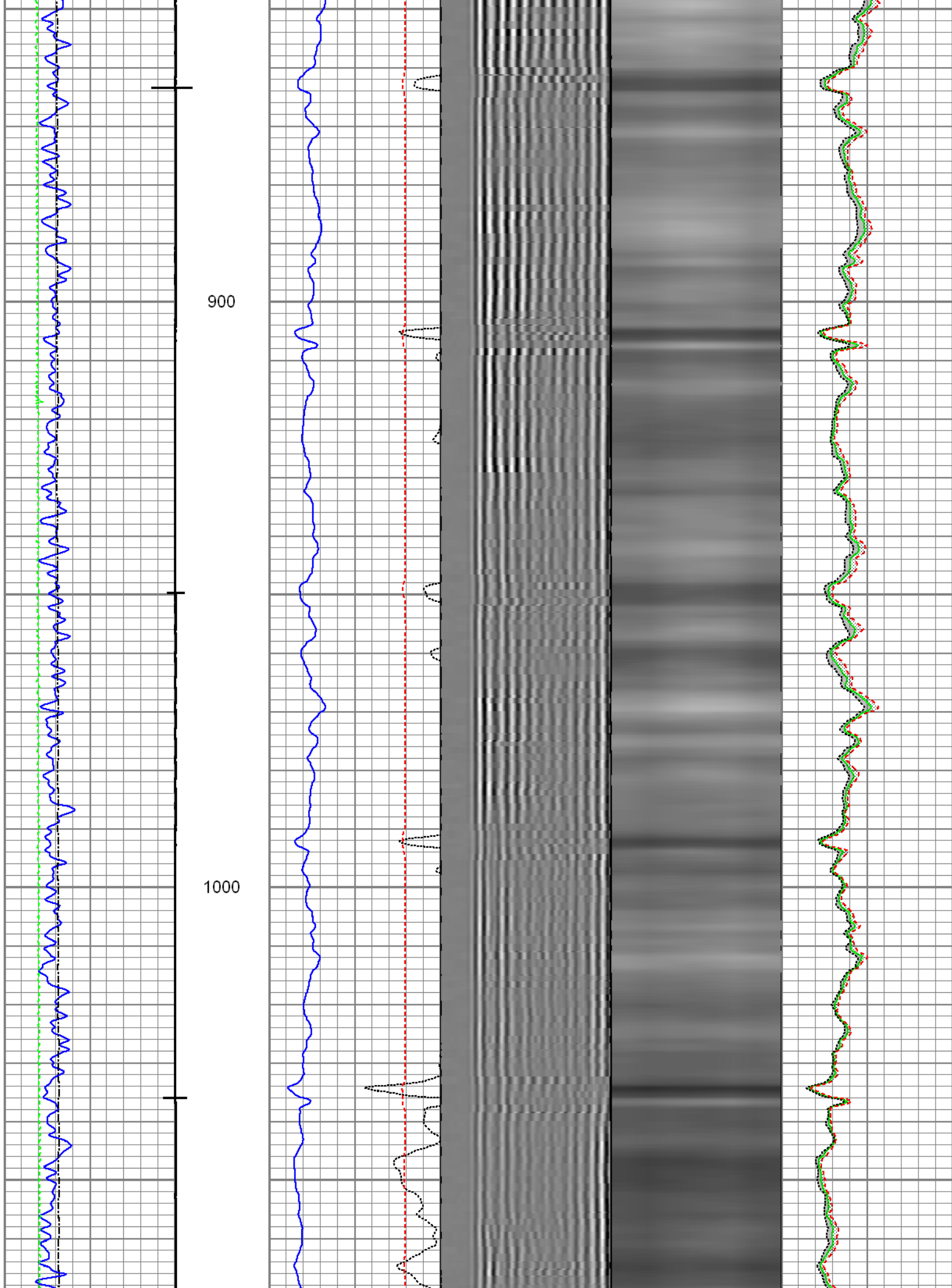
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Mimimum Amplitude
Line Speed	0 (mV) 20			0 100
-150 (ft/min) 150	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000				

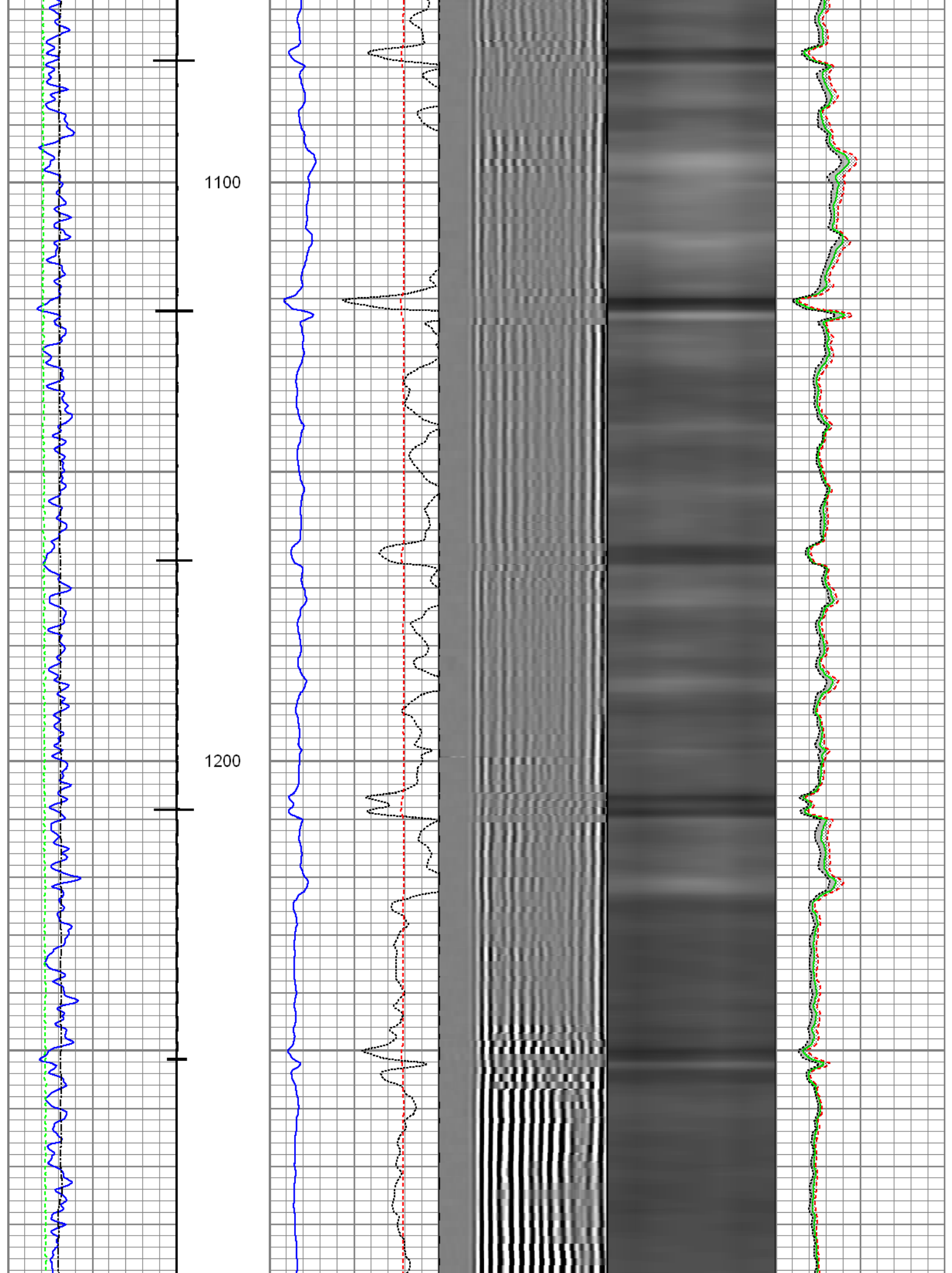


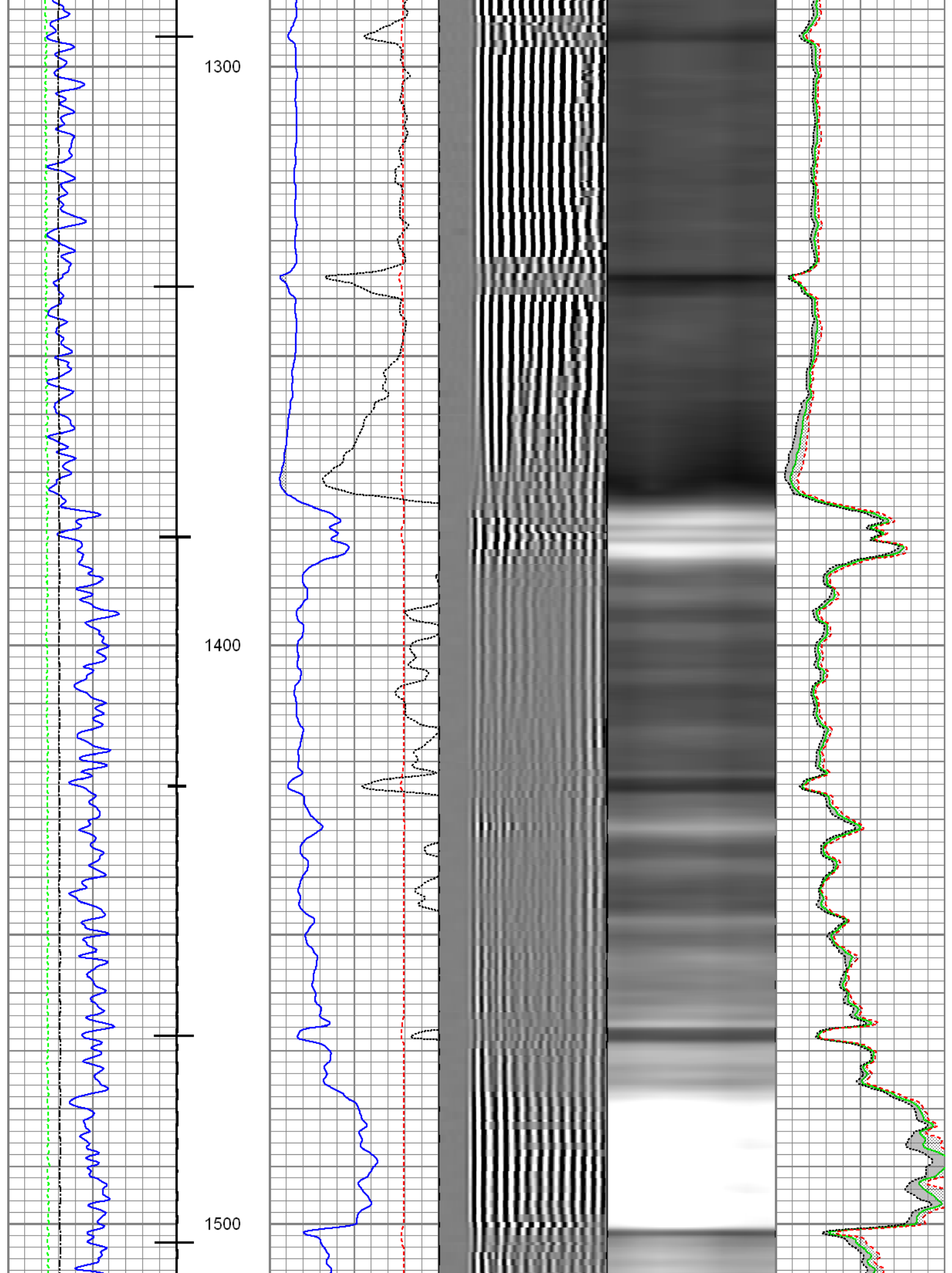


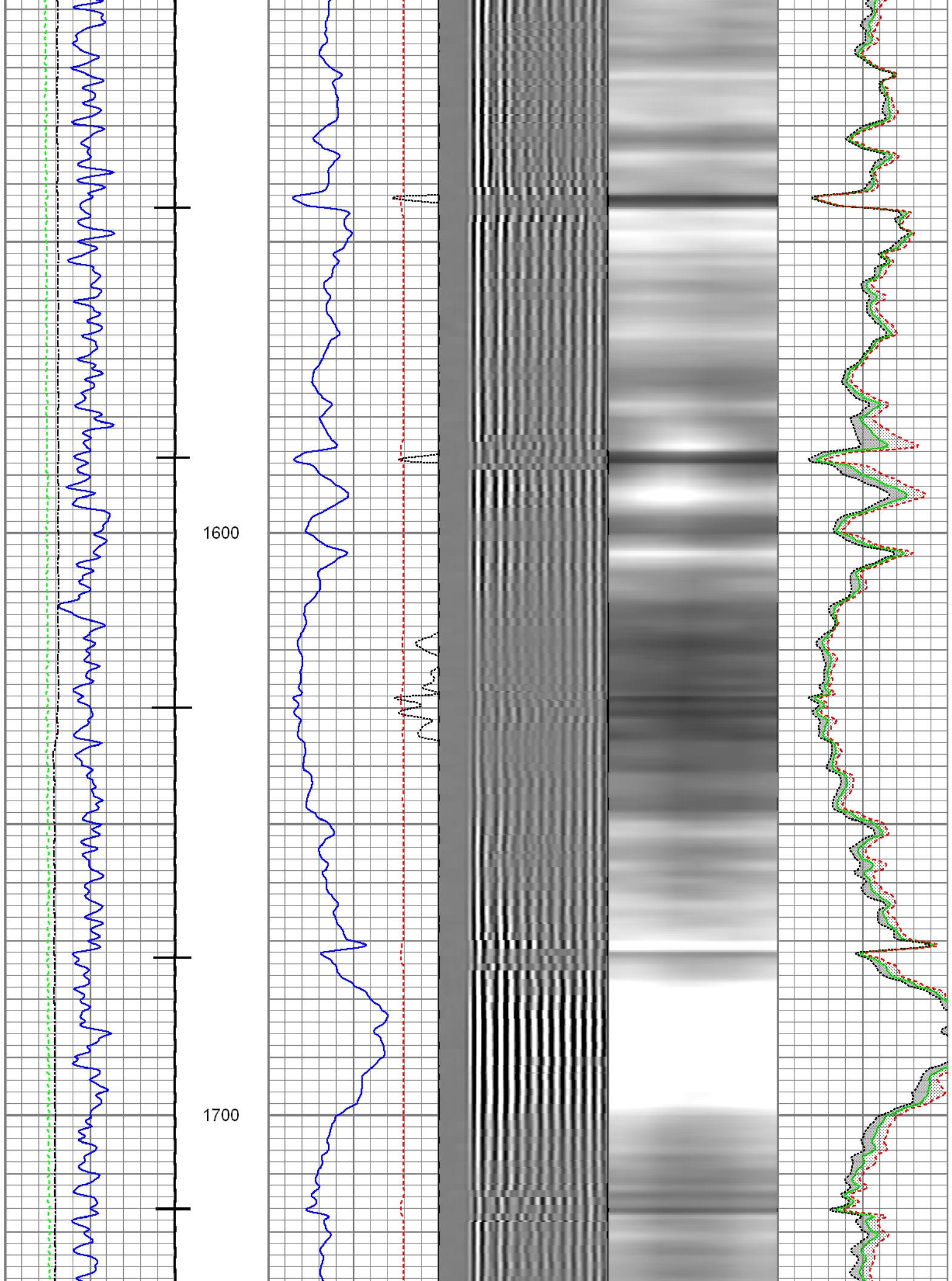


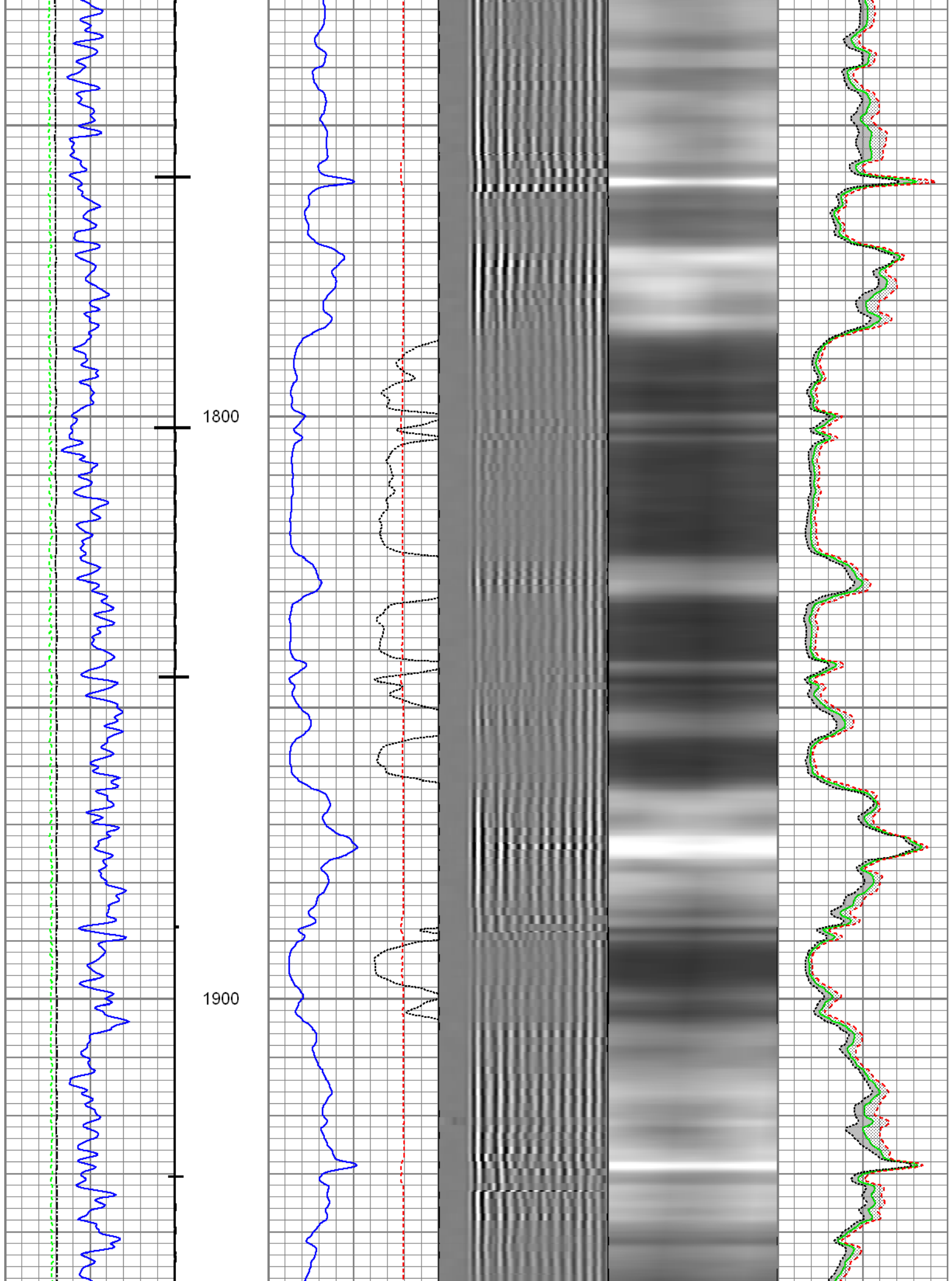


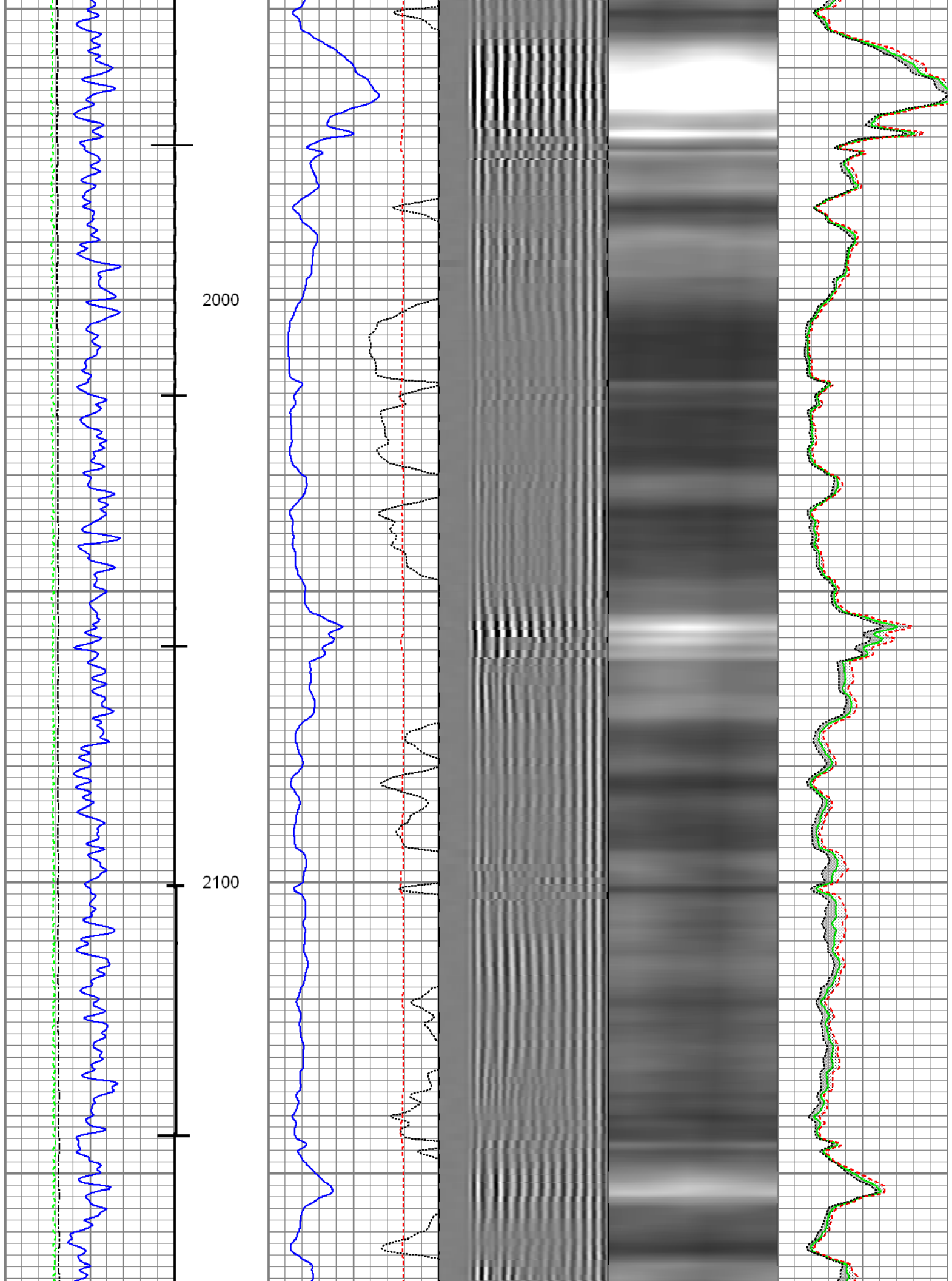


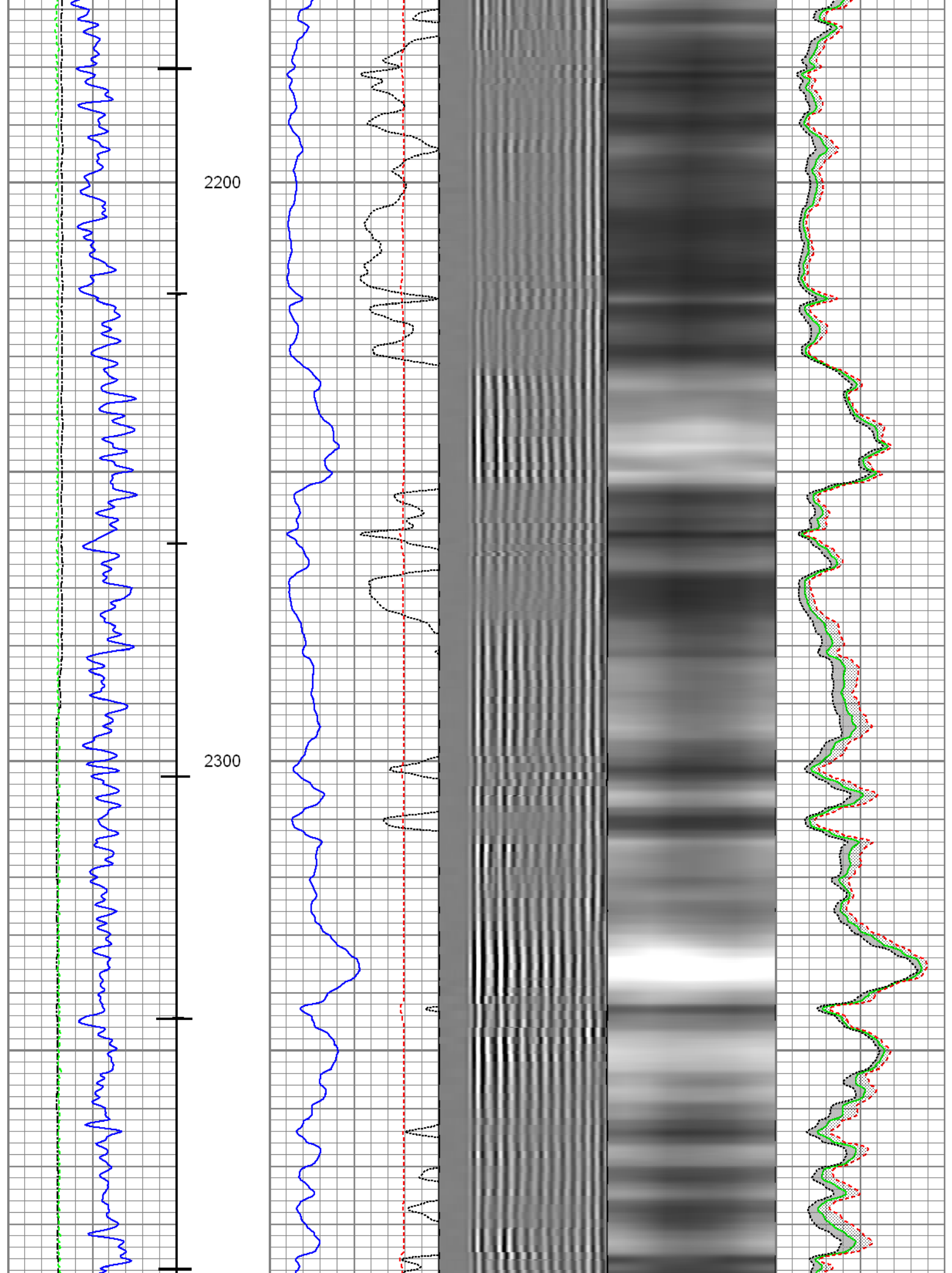


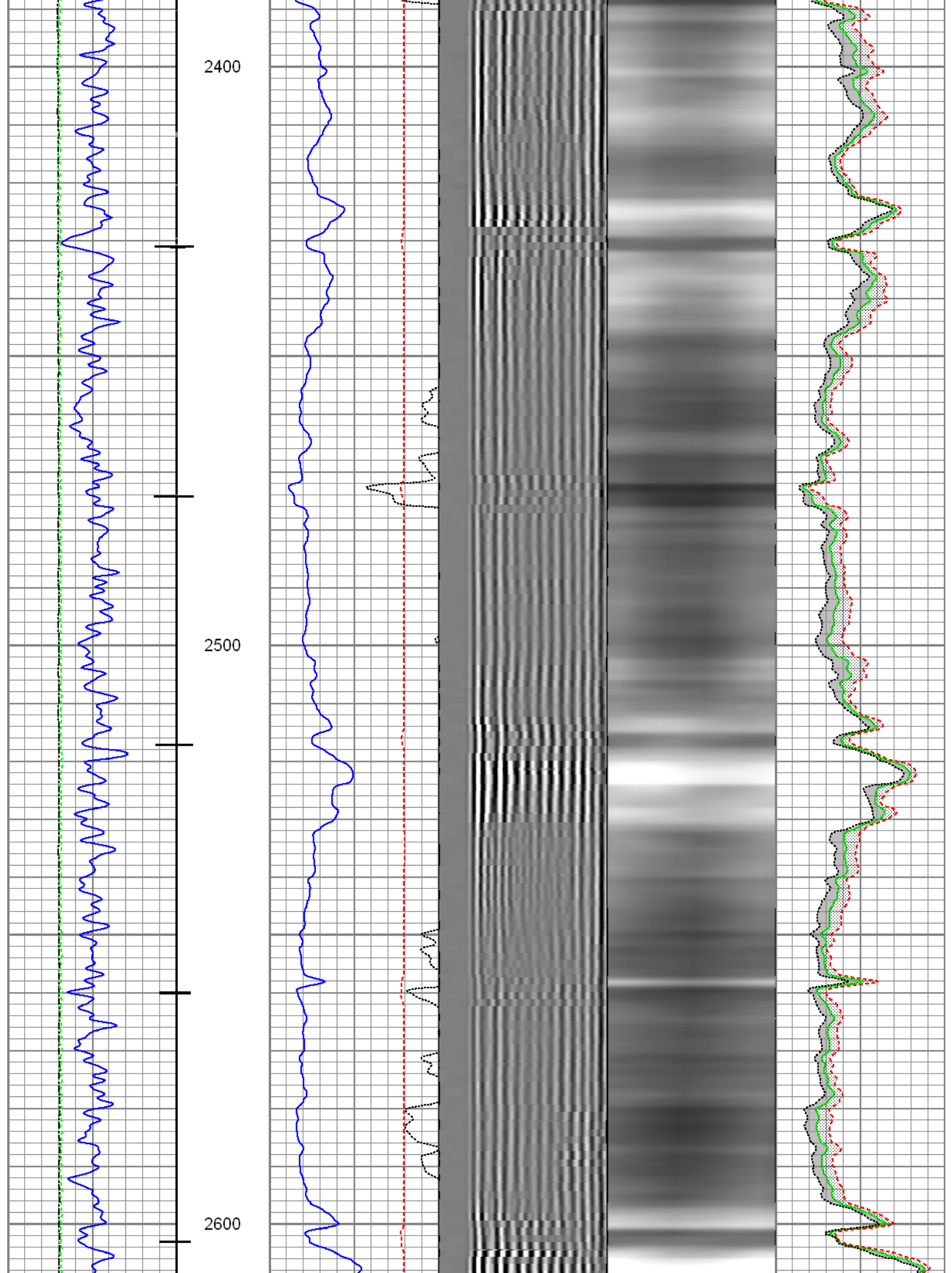


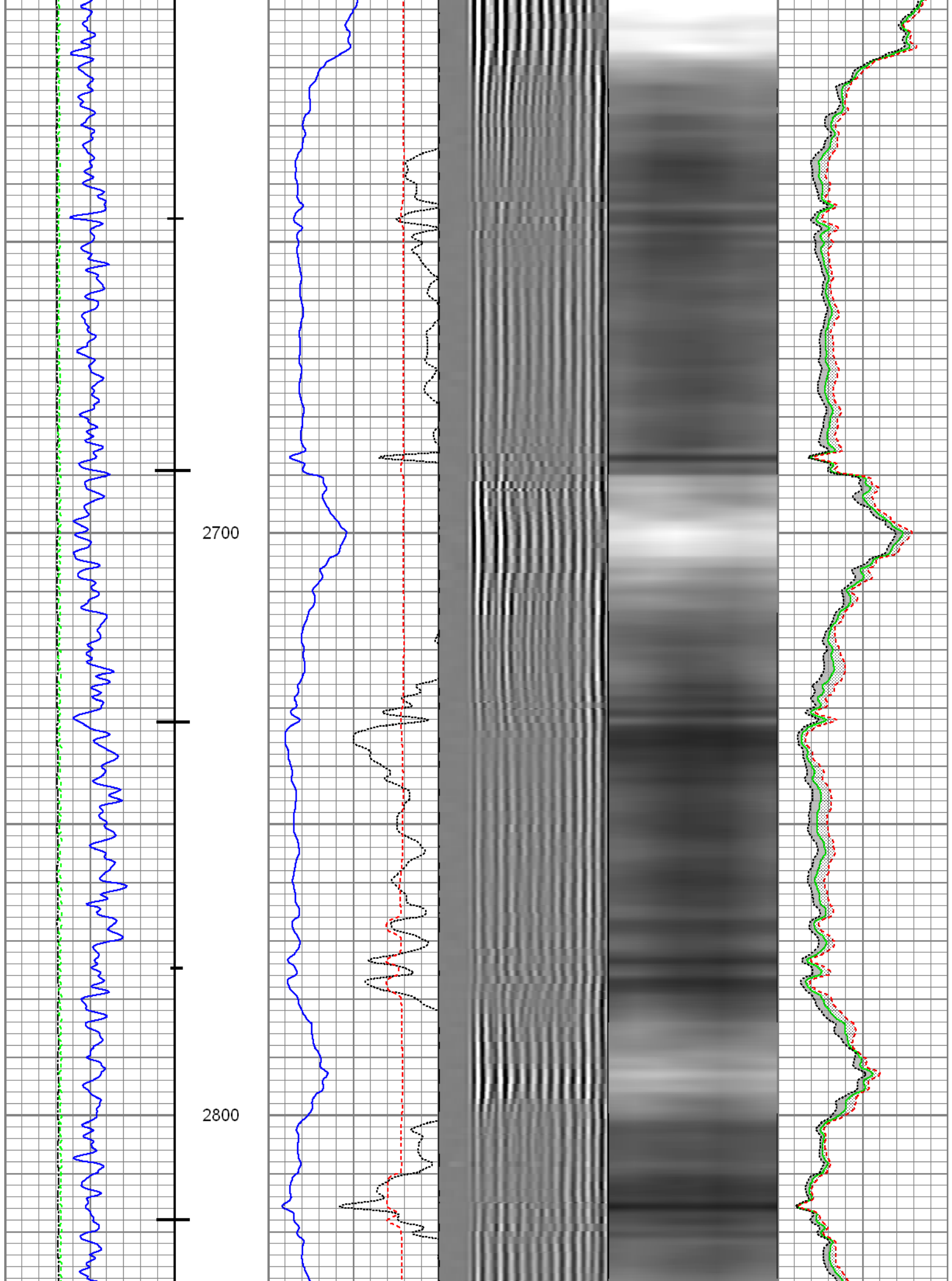


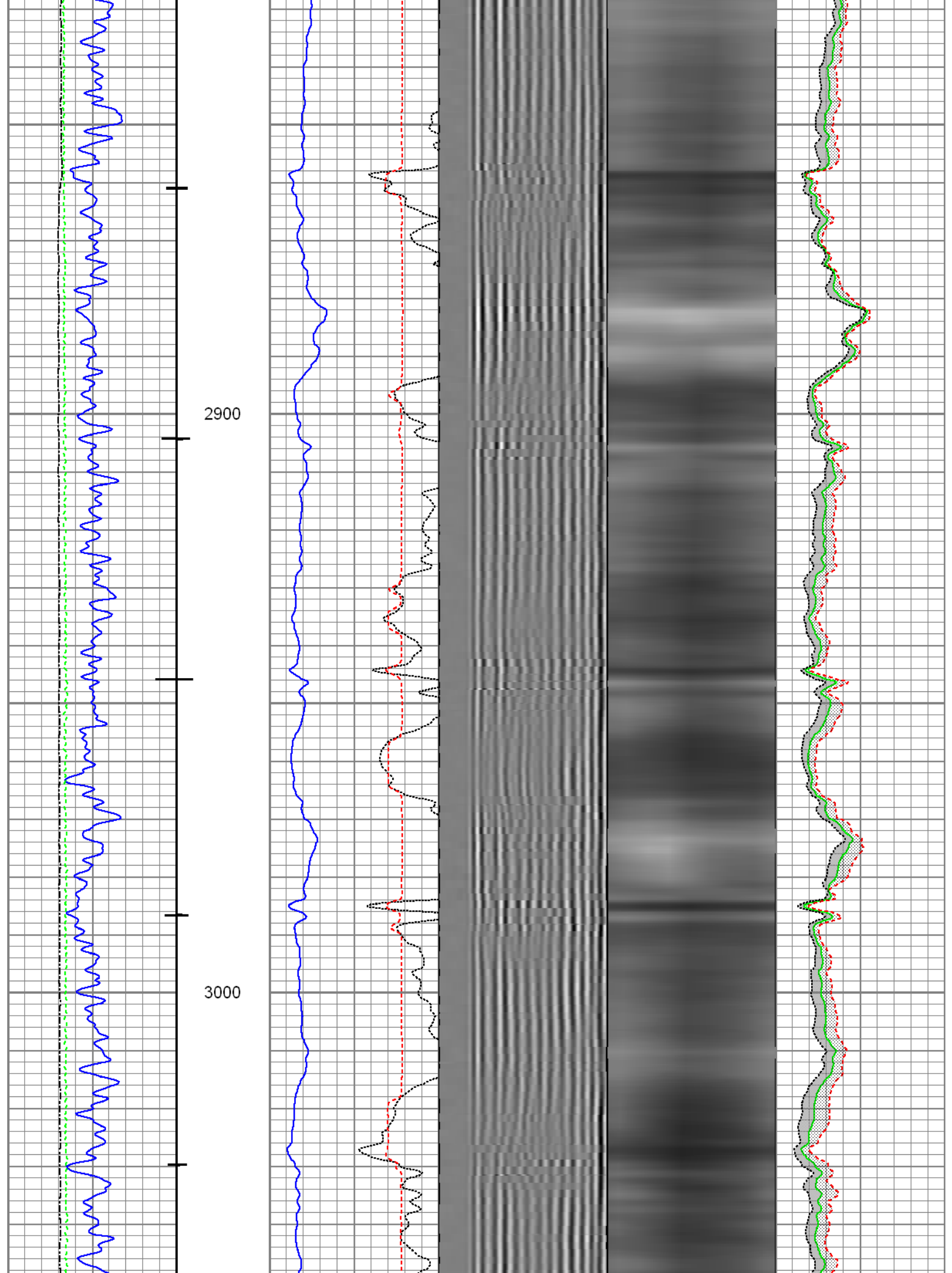


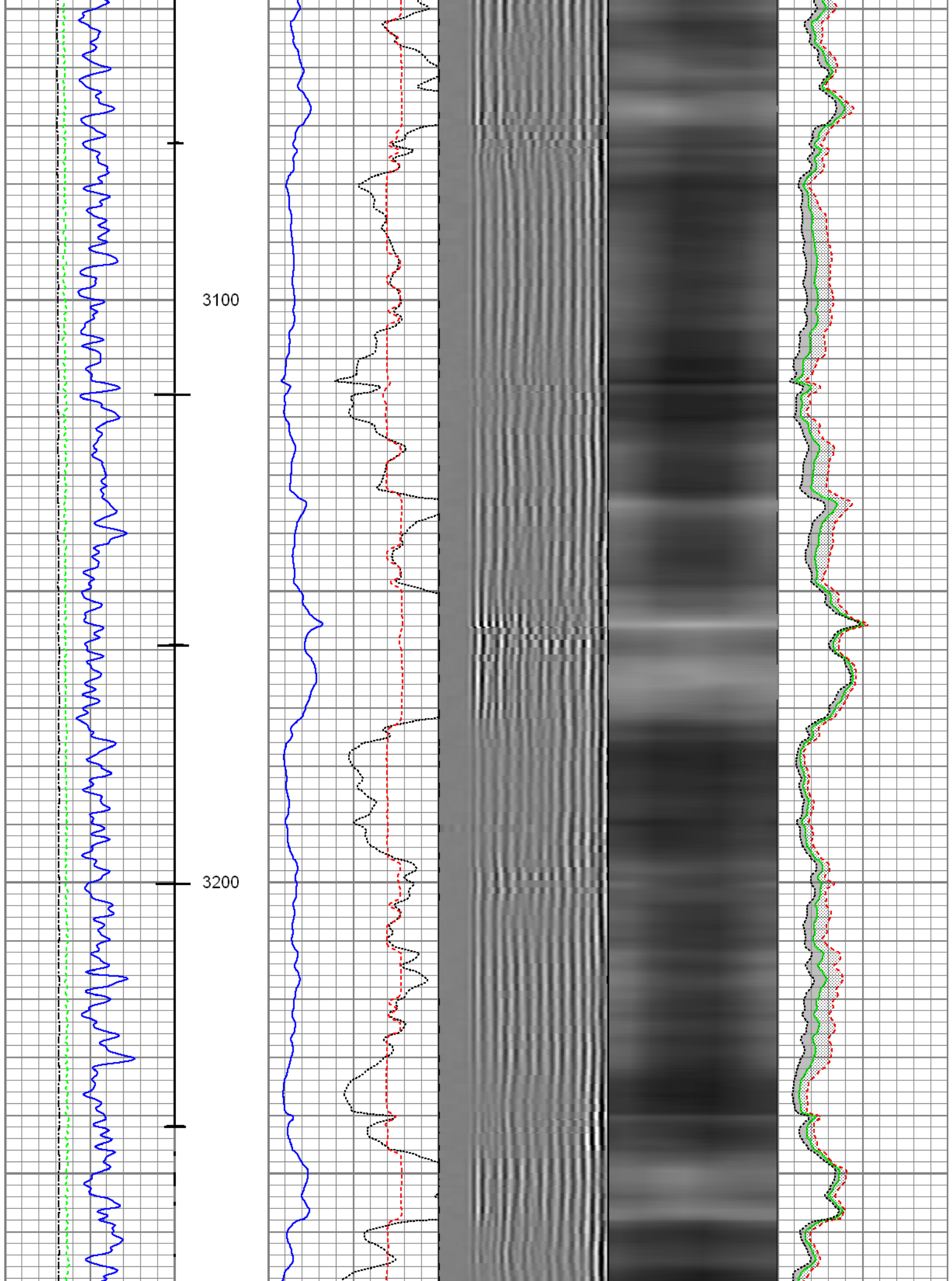


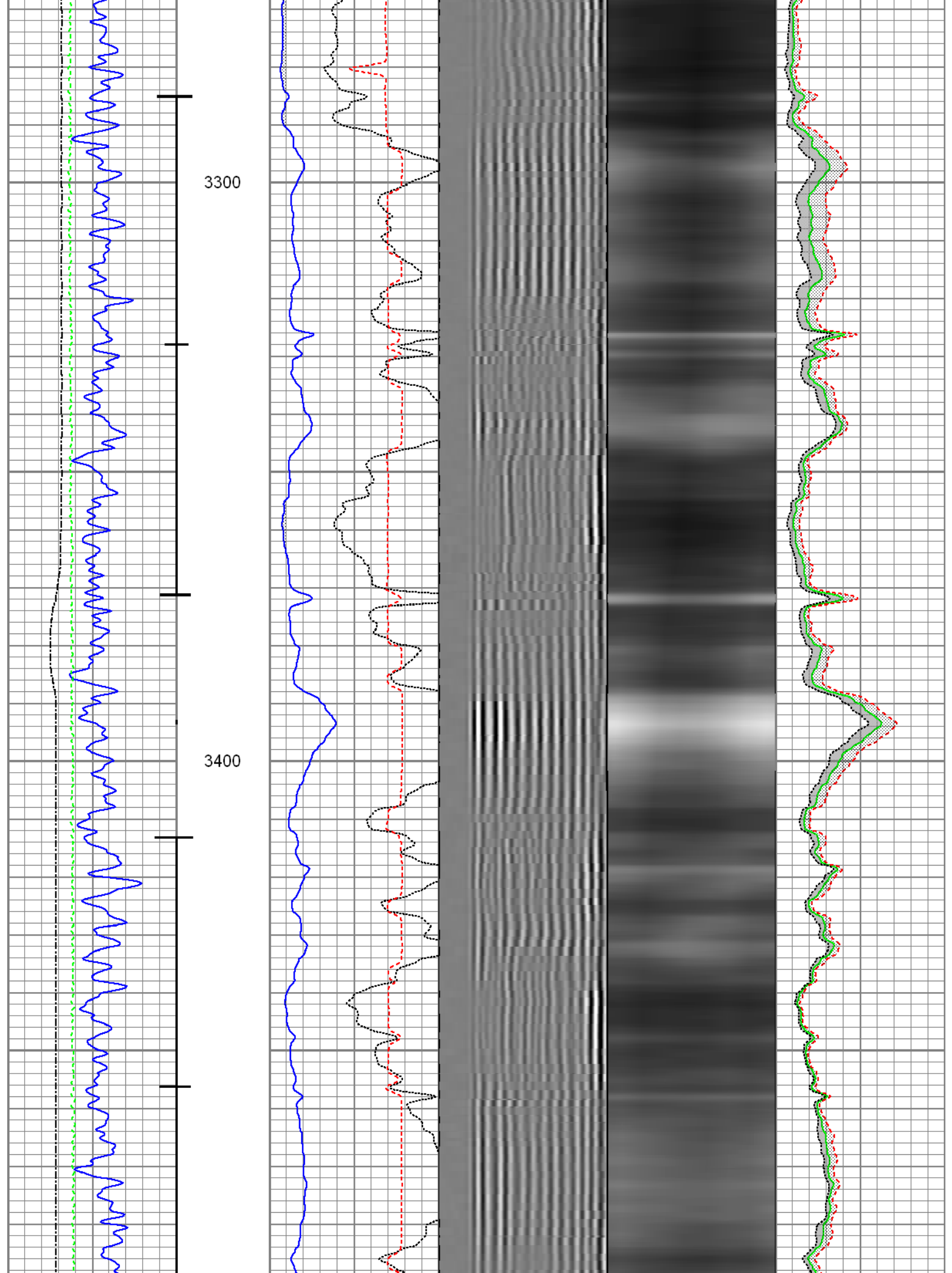


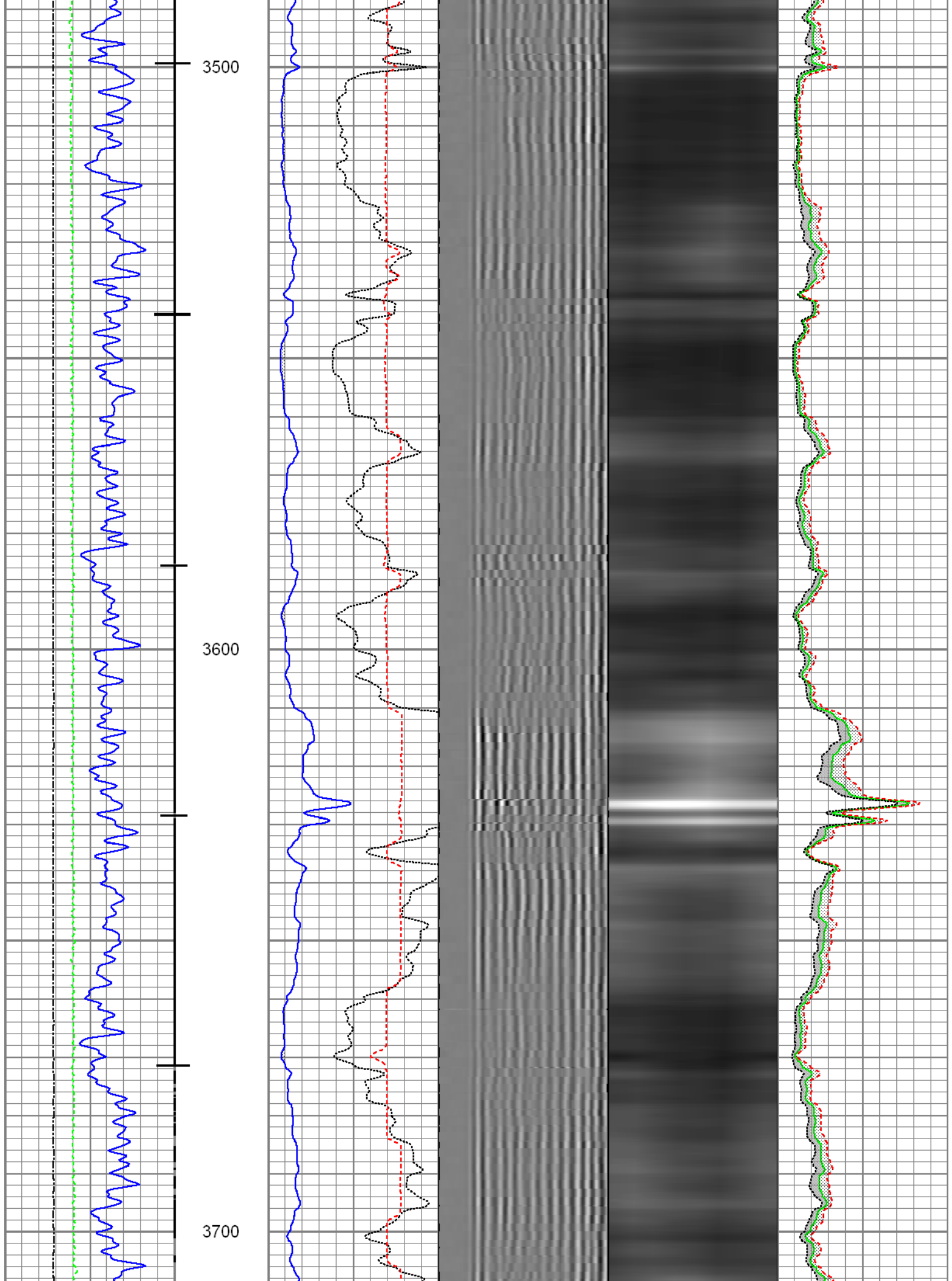


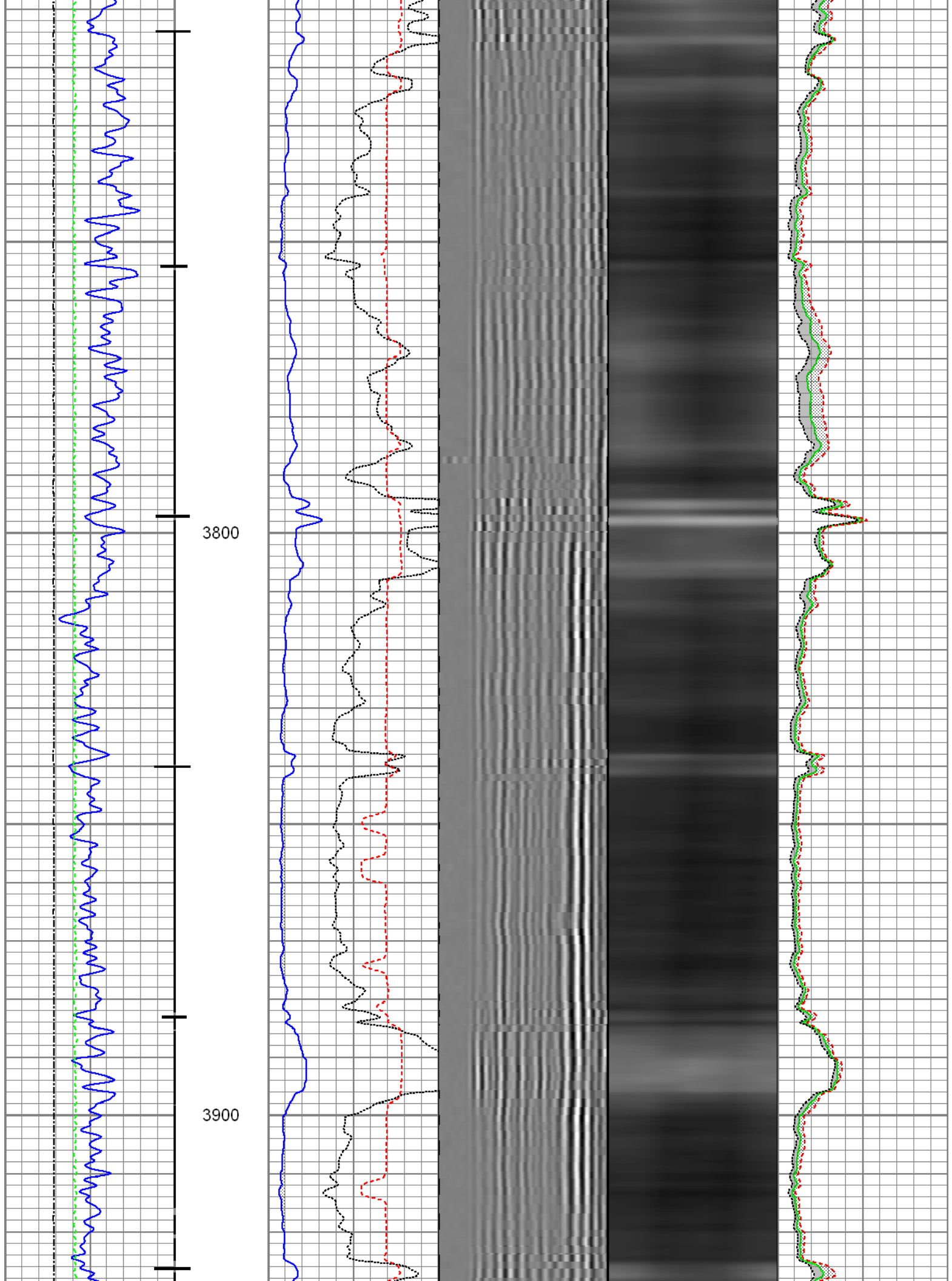


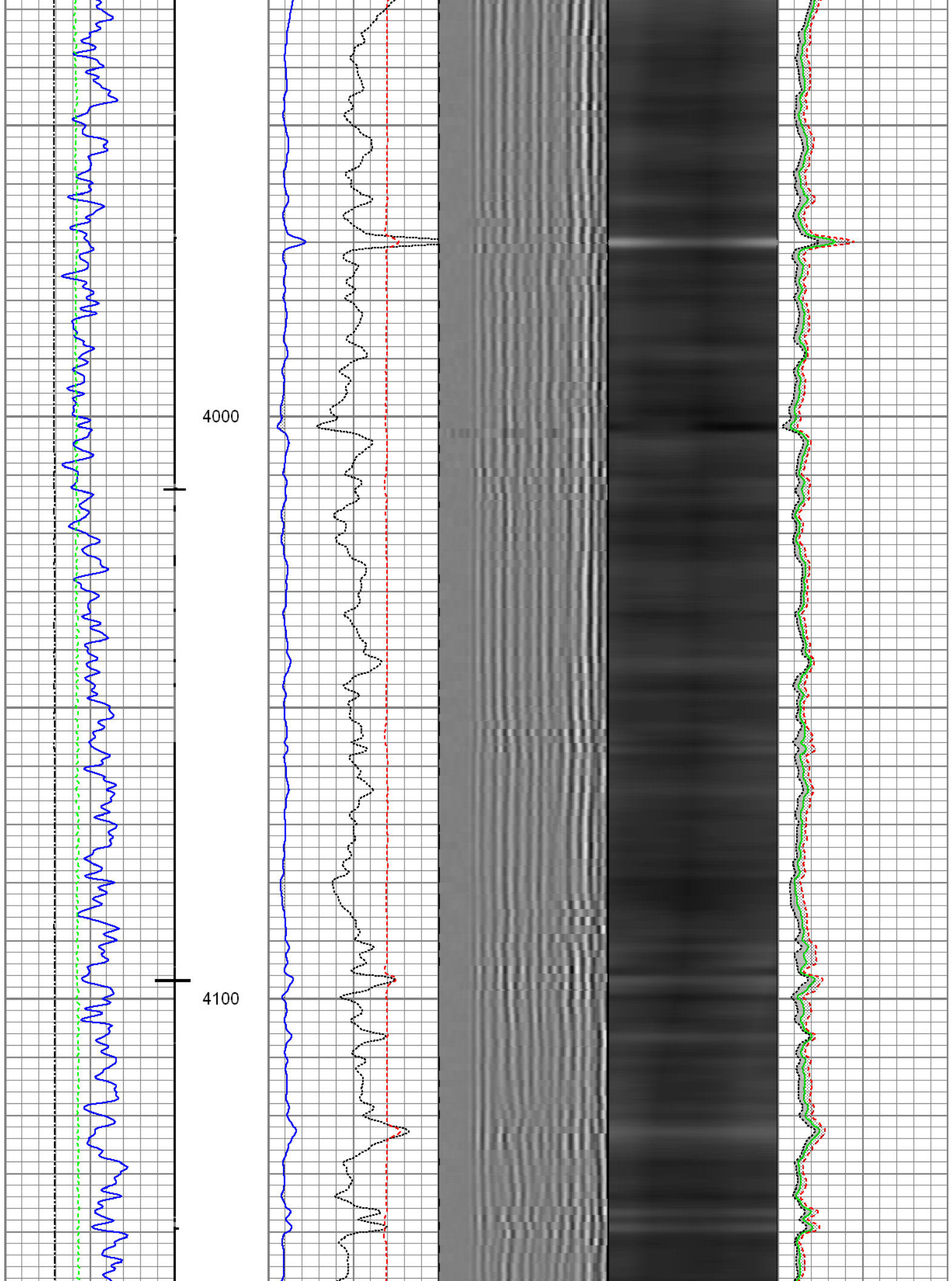


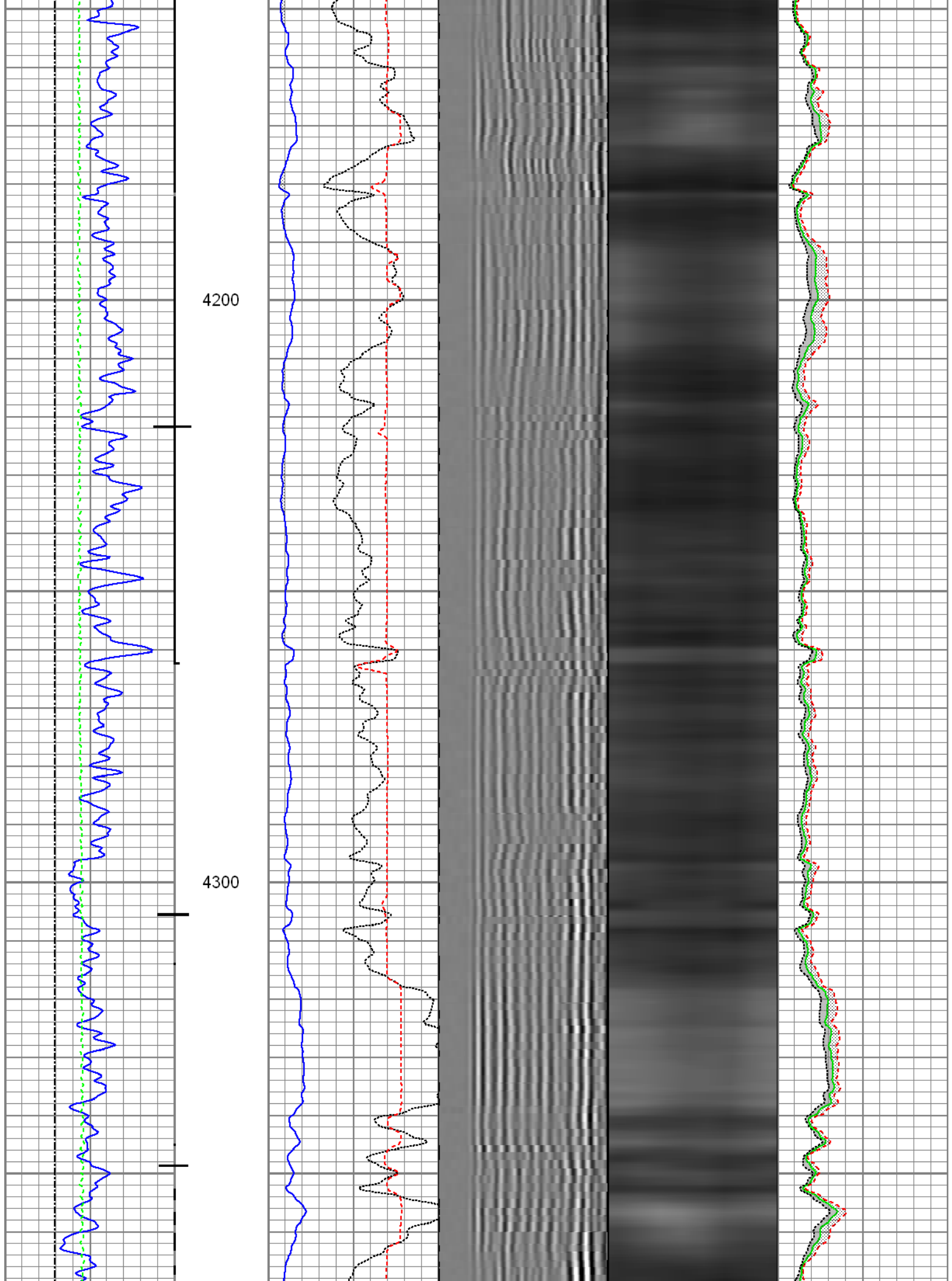


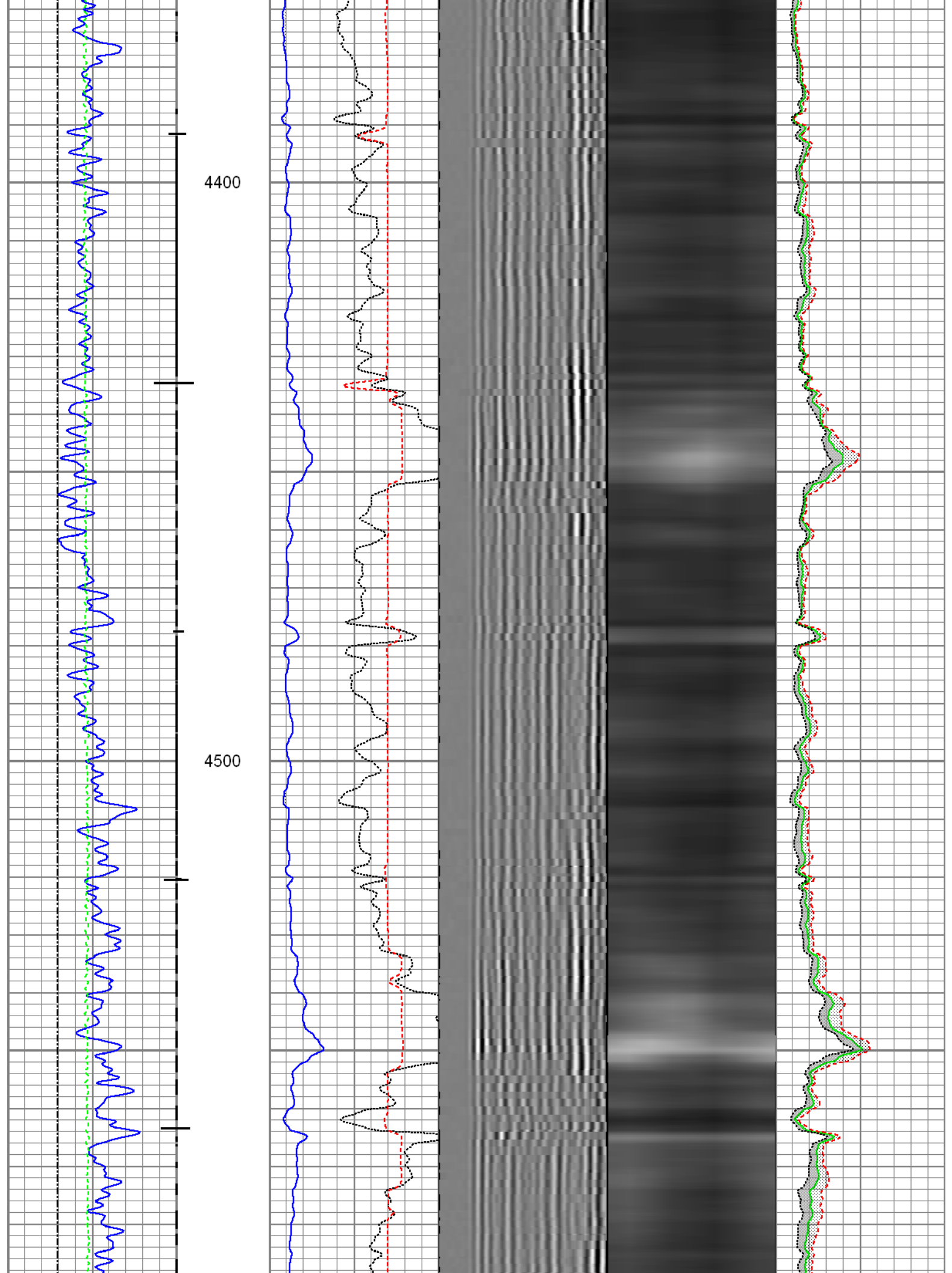


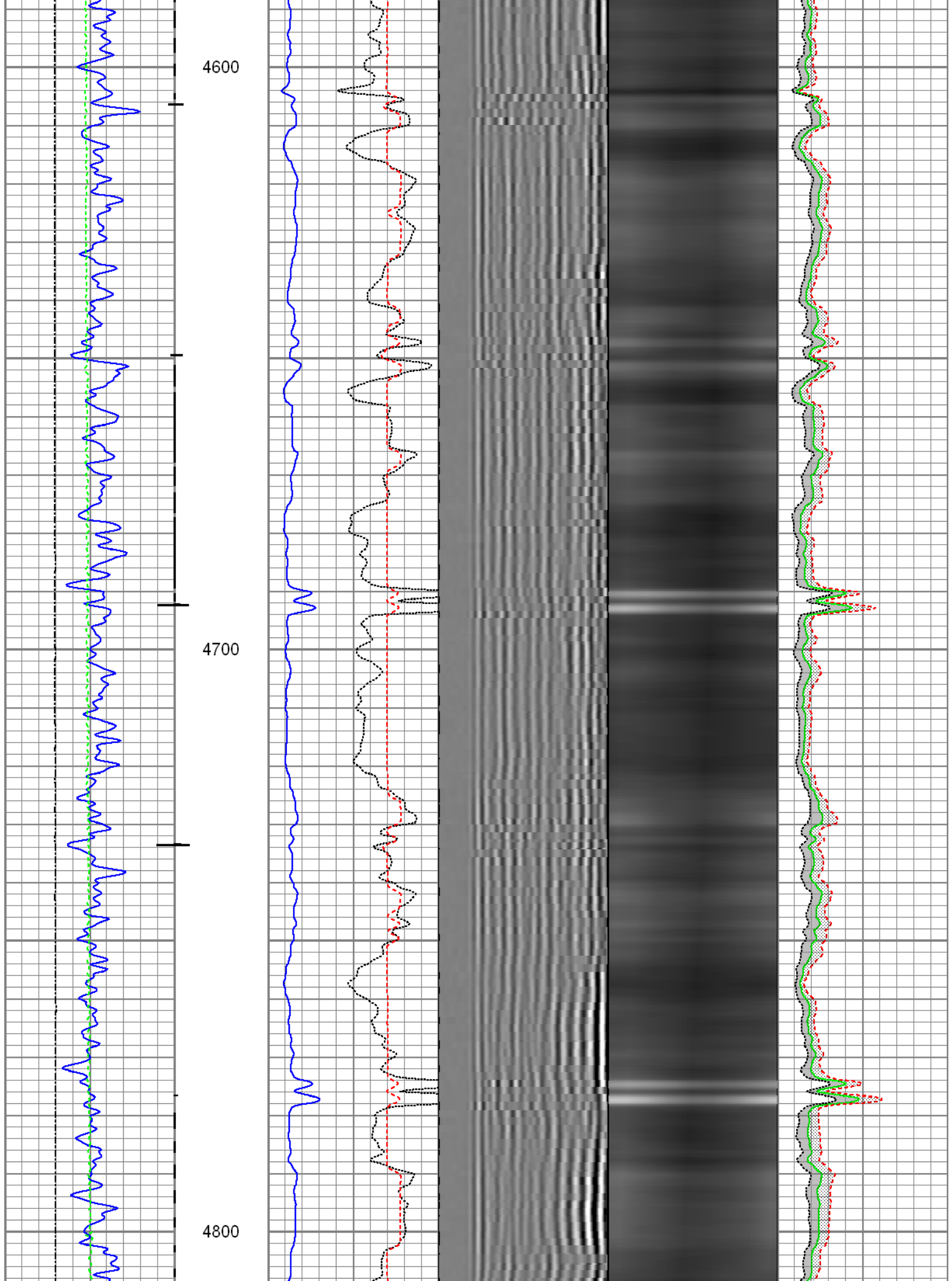


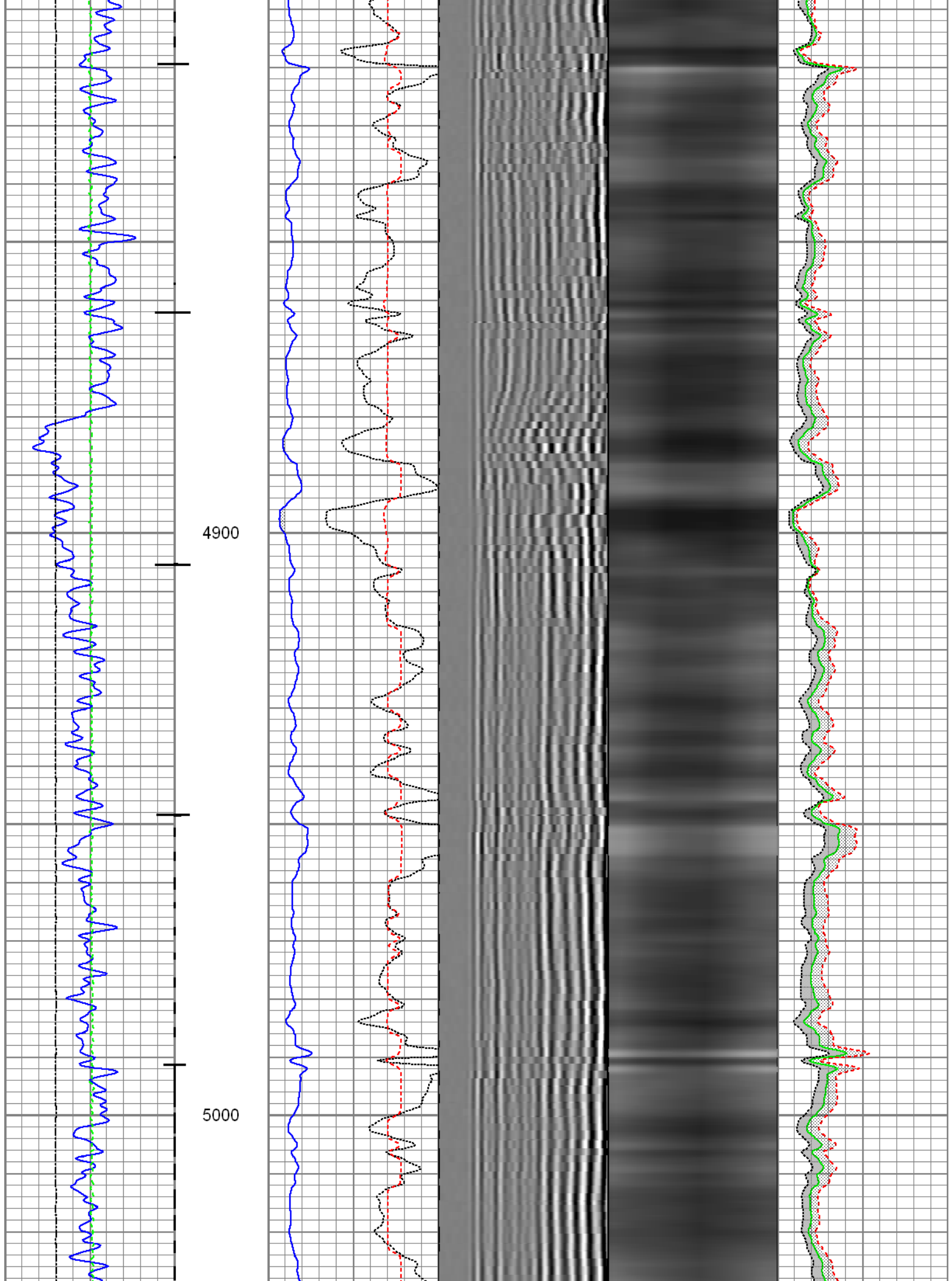


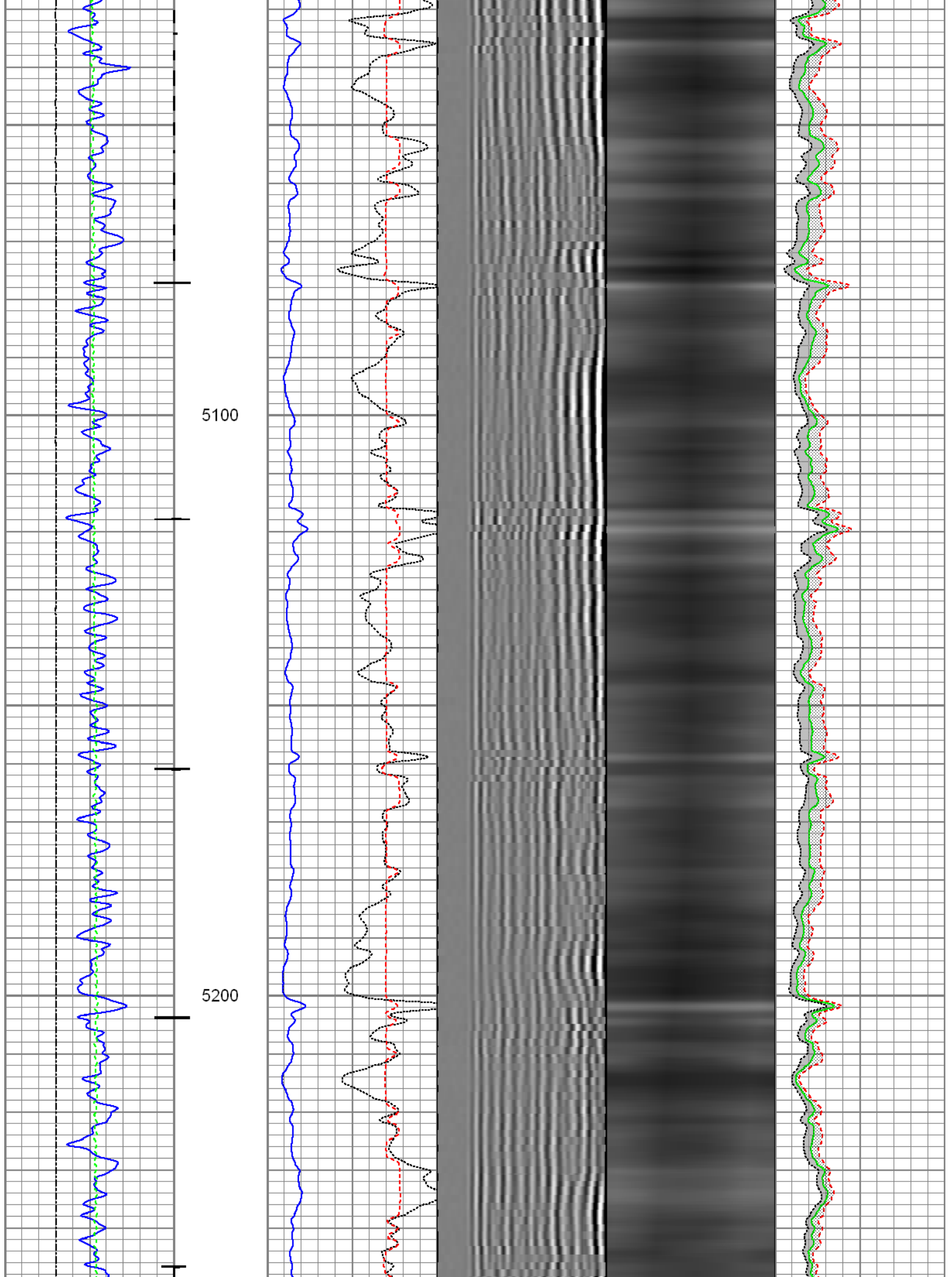


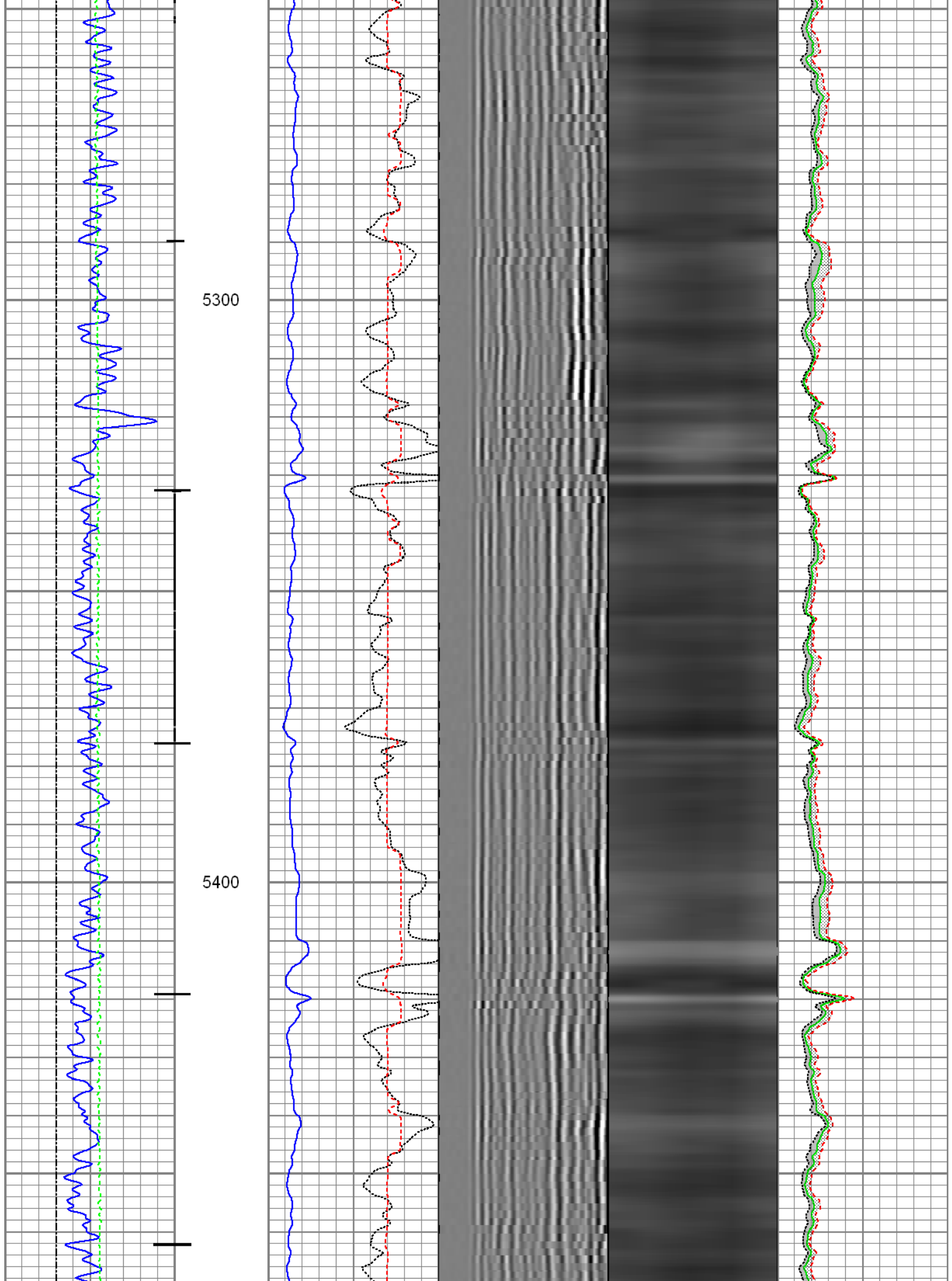


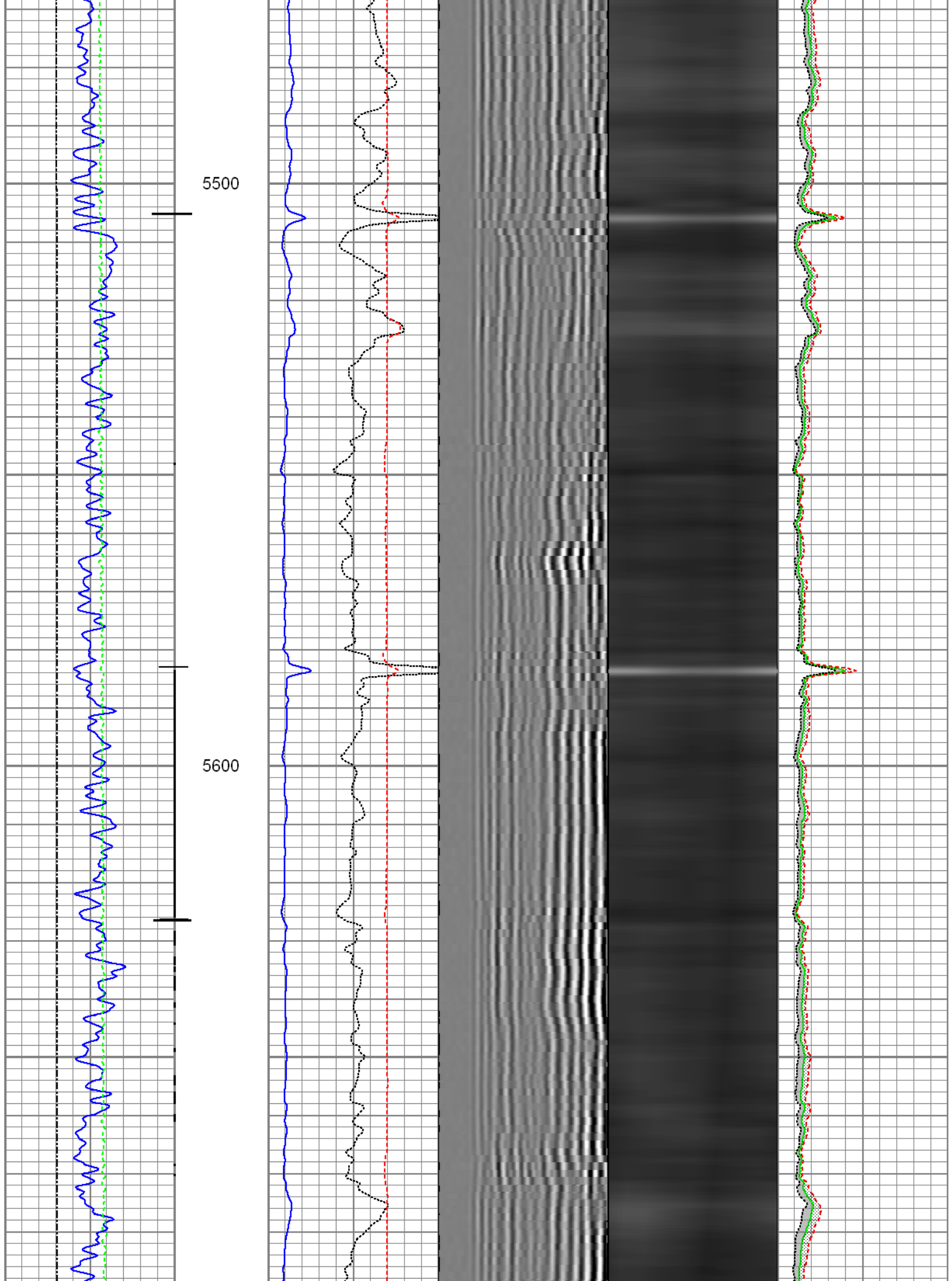


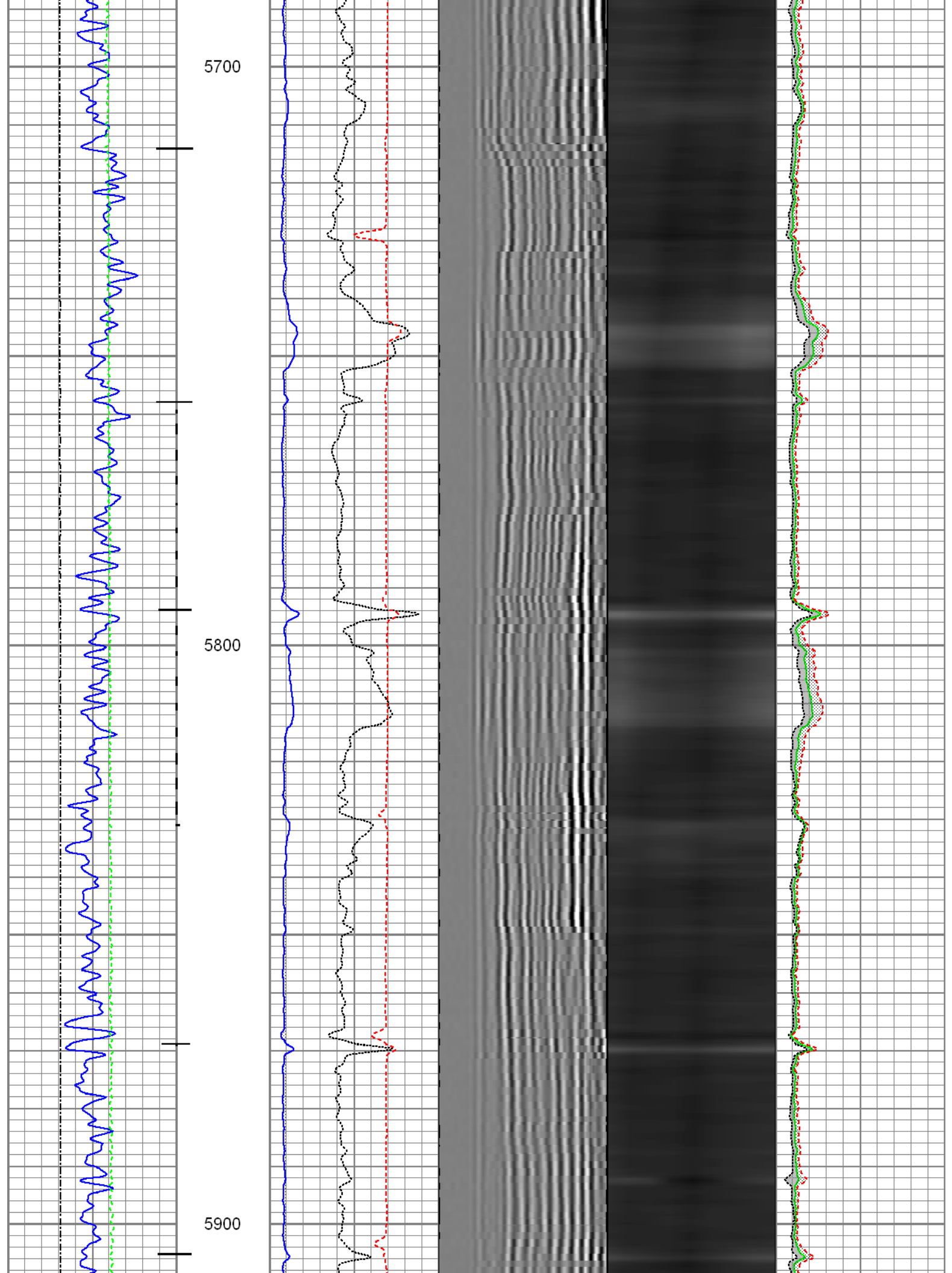


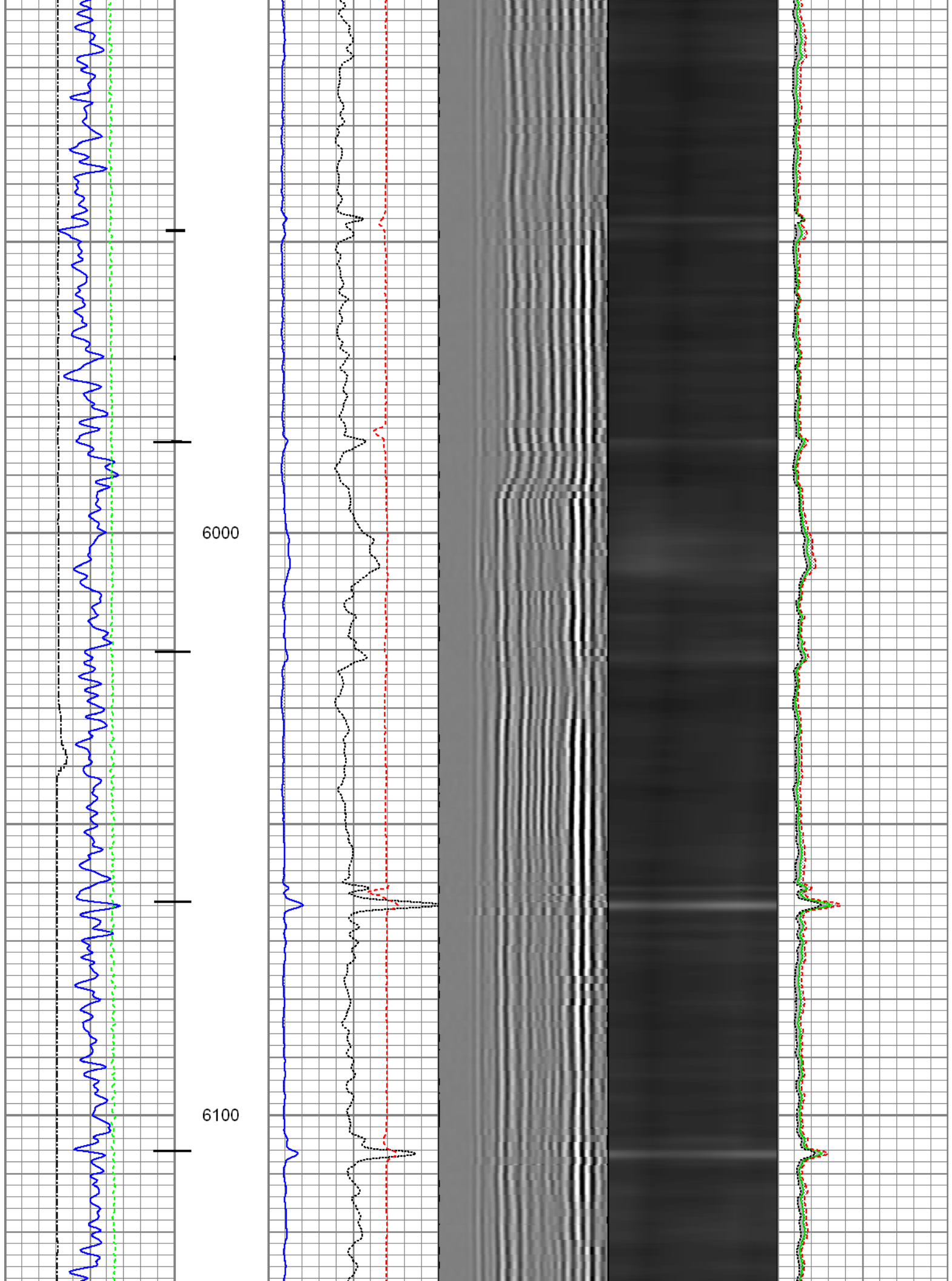


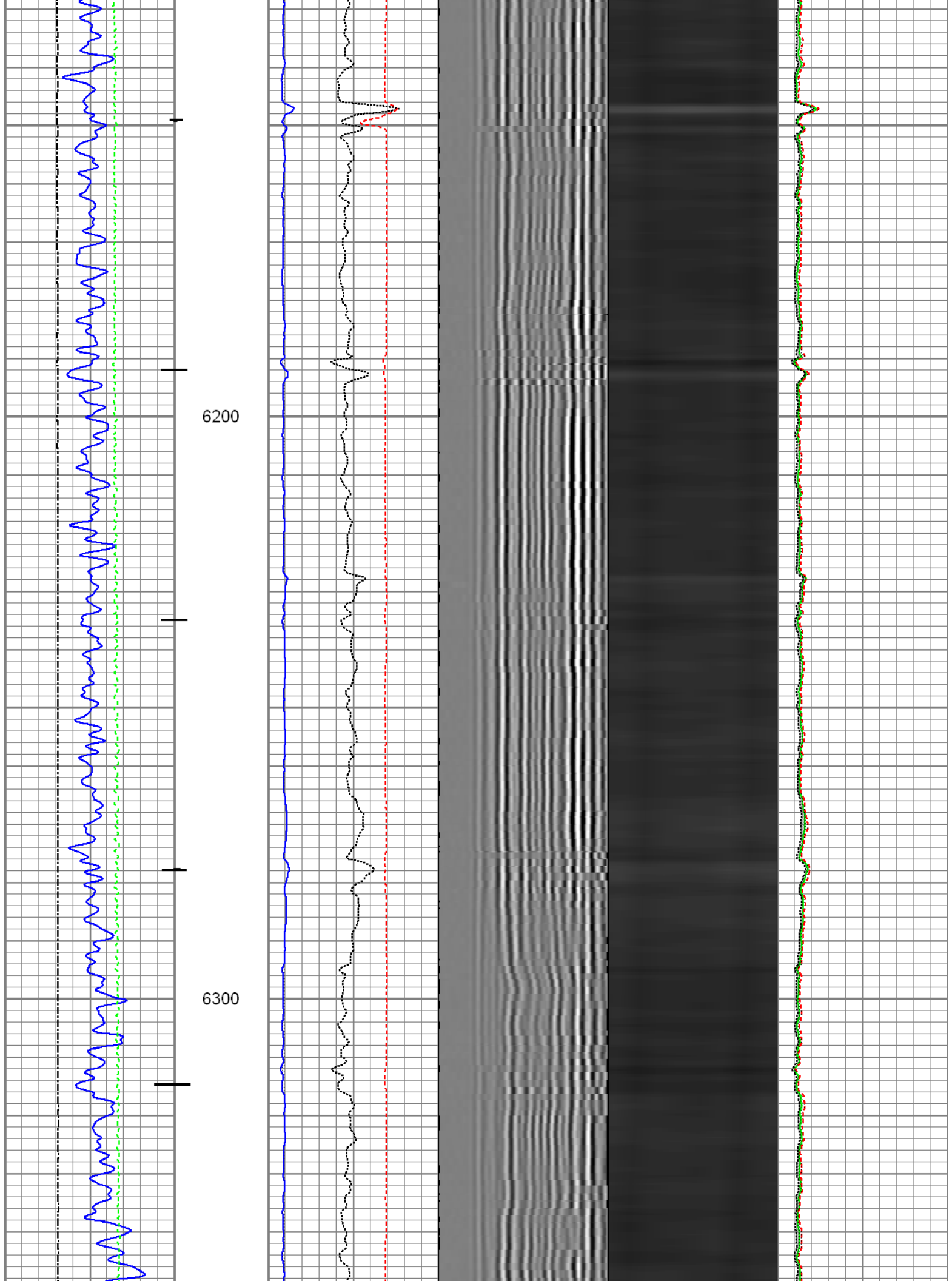


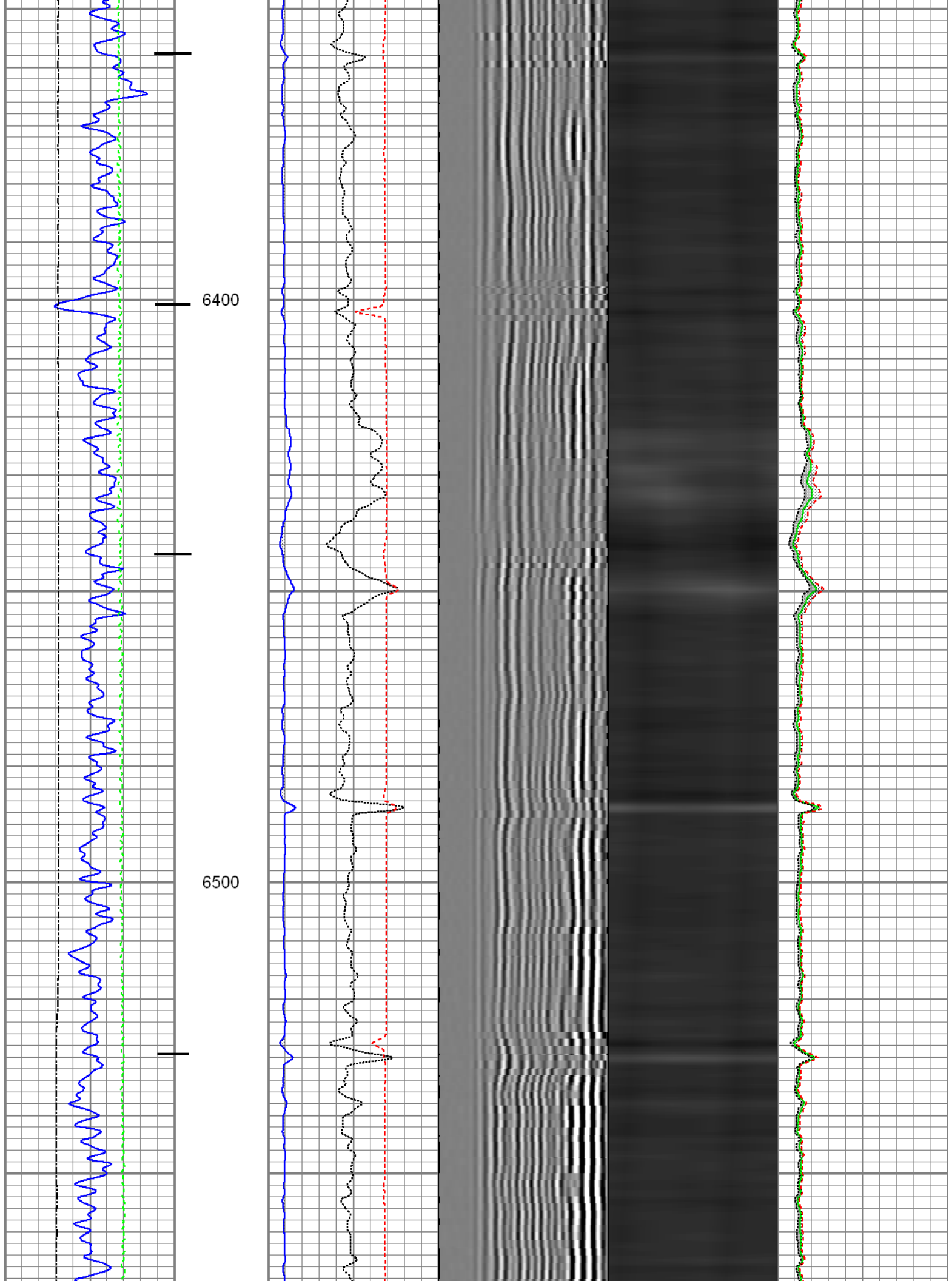


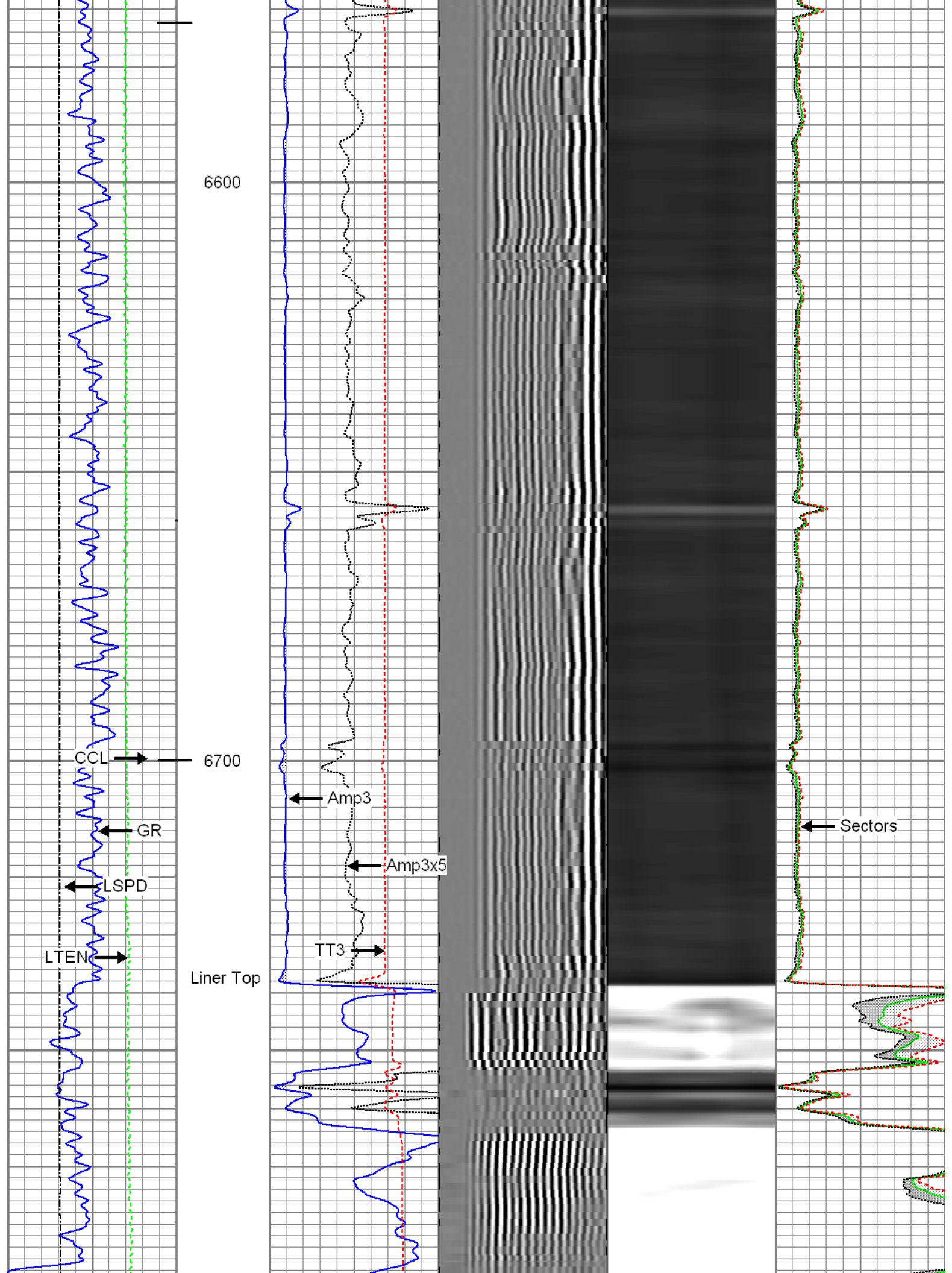


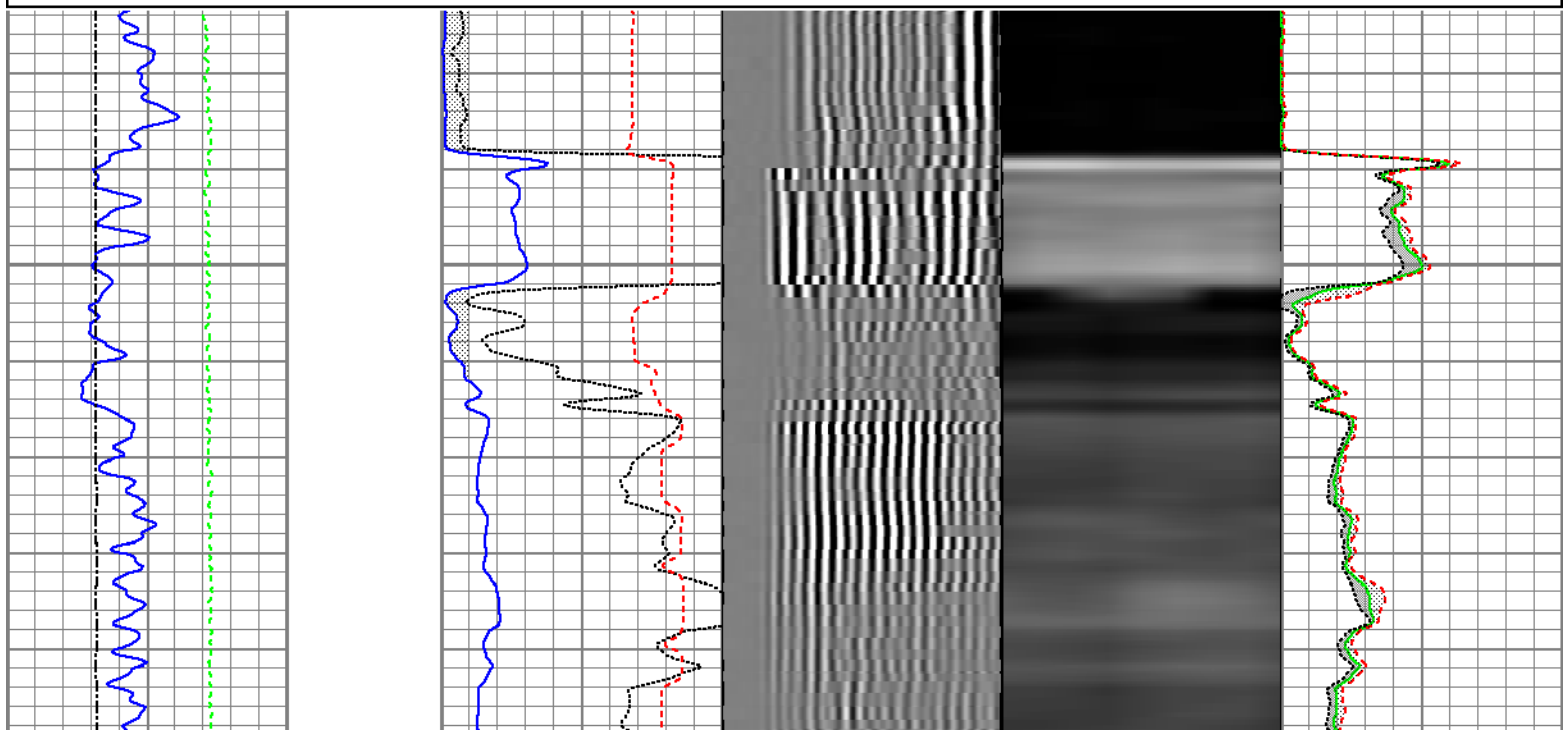
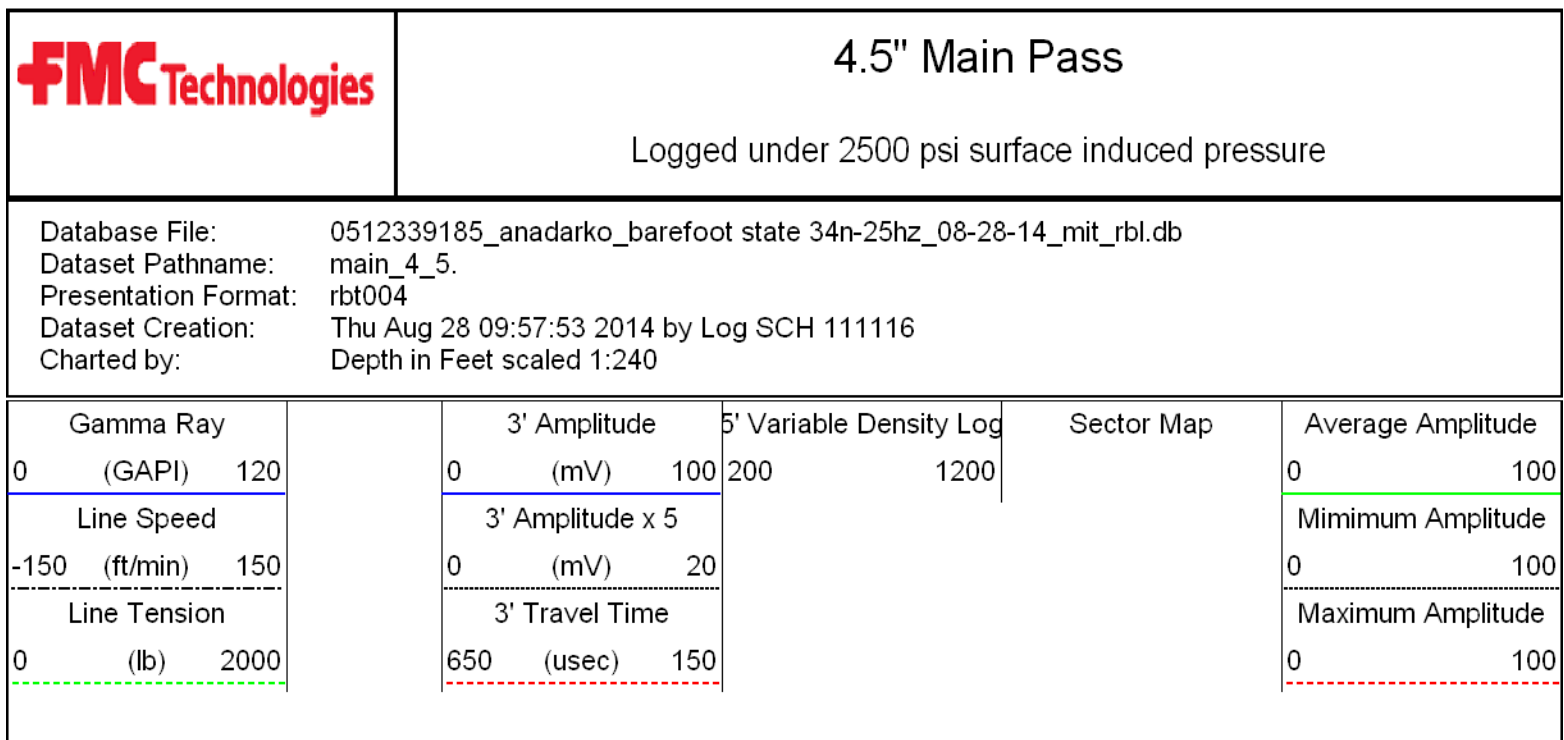
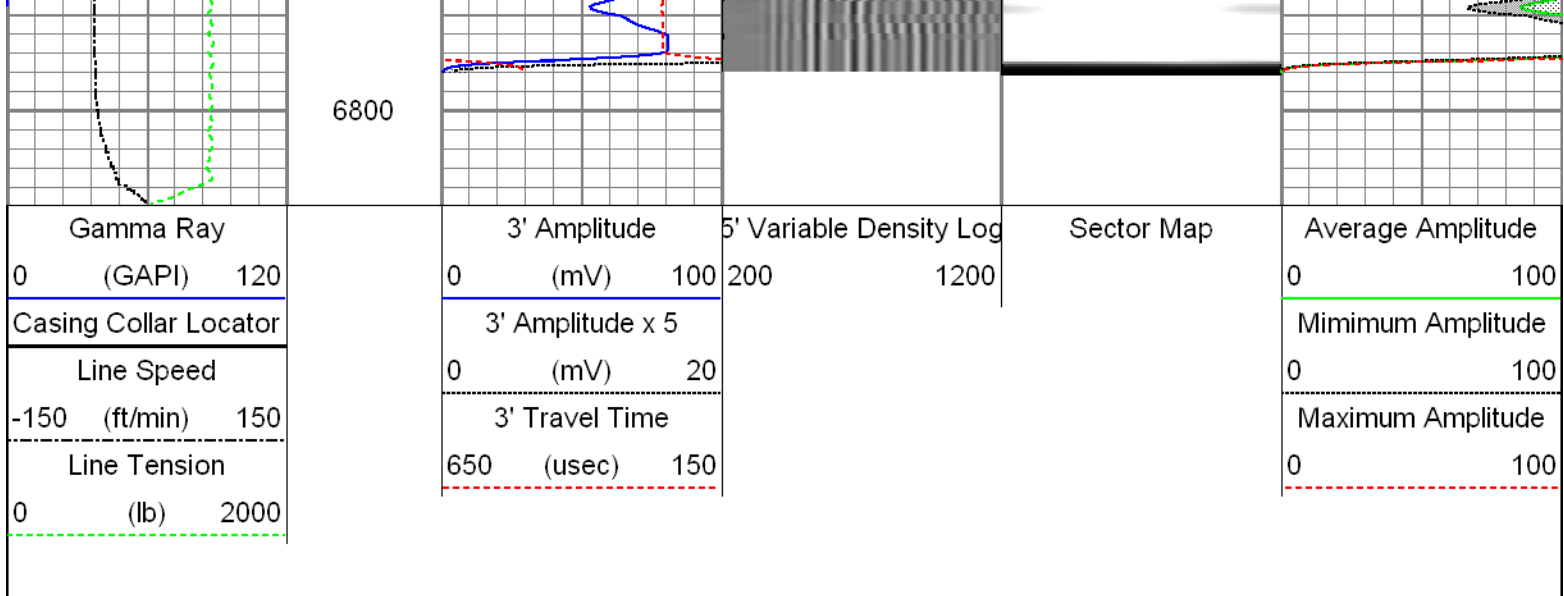








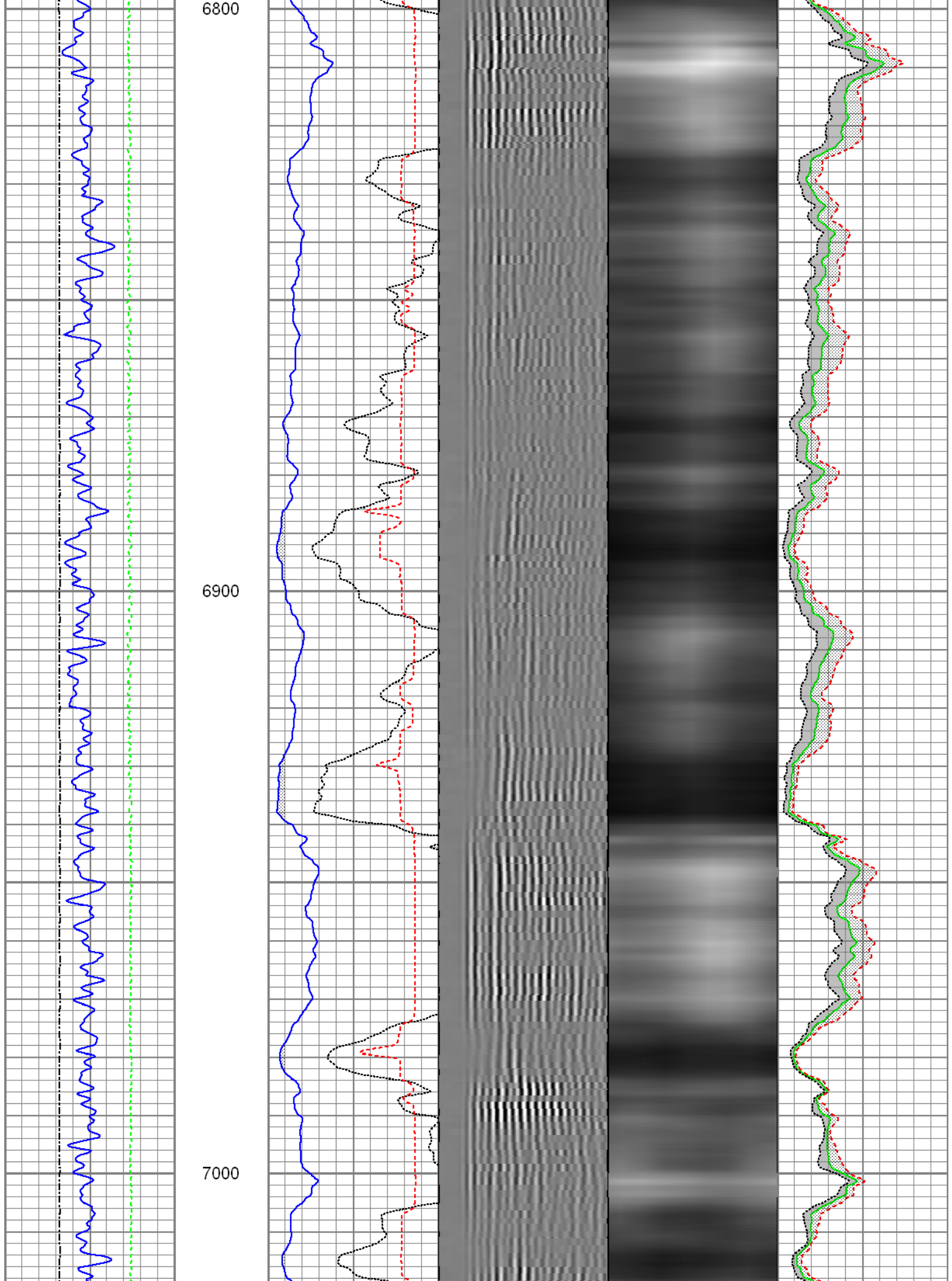




6800

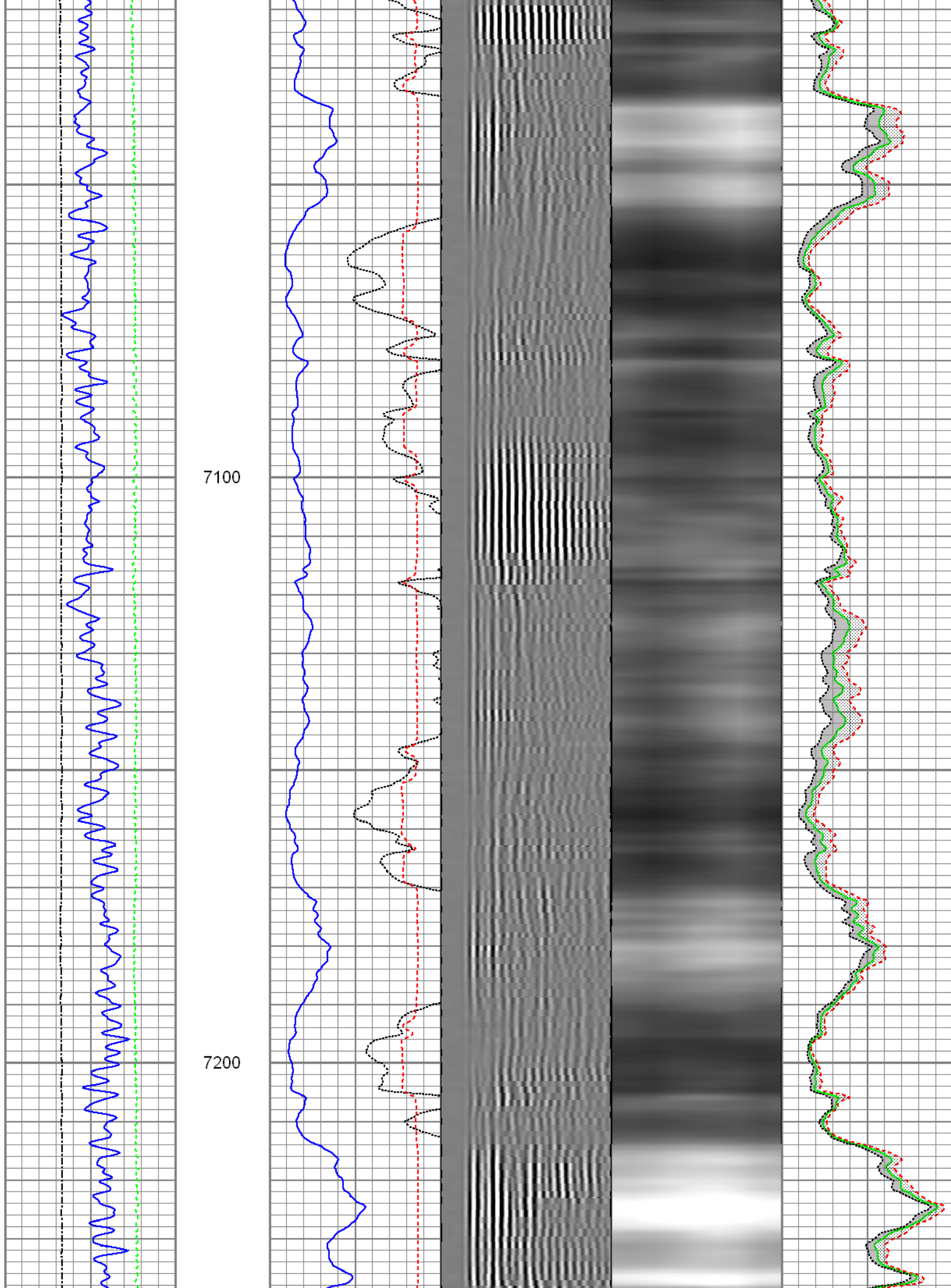
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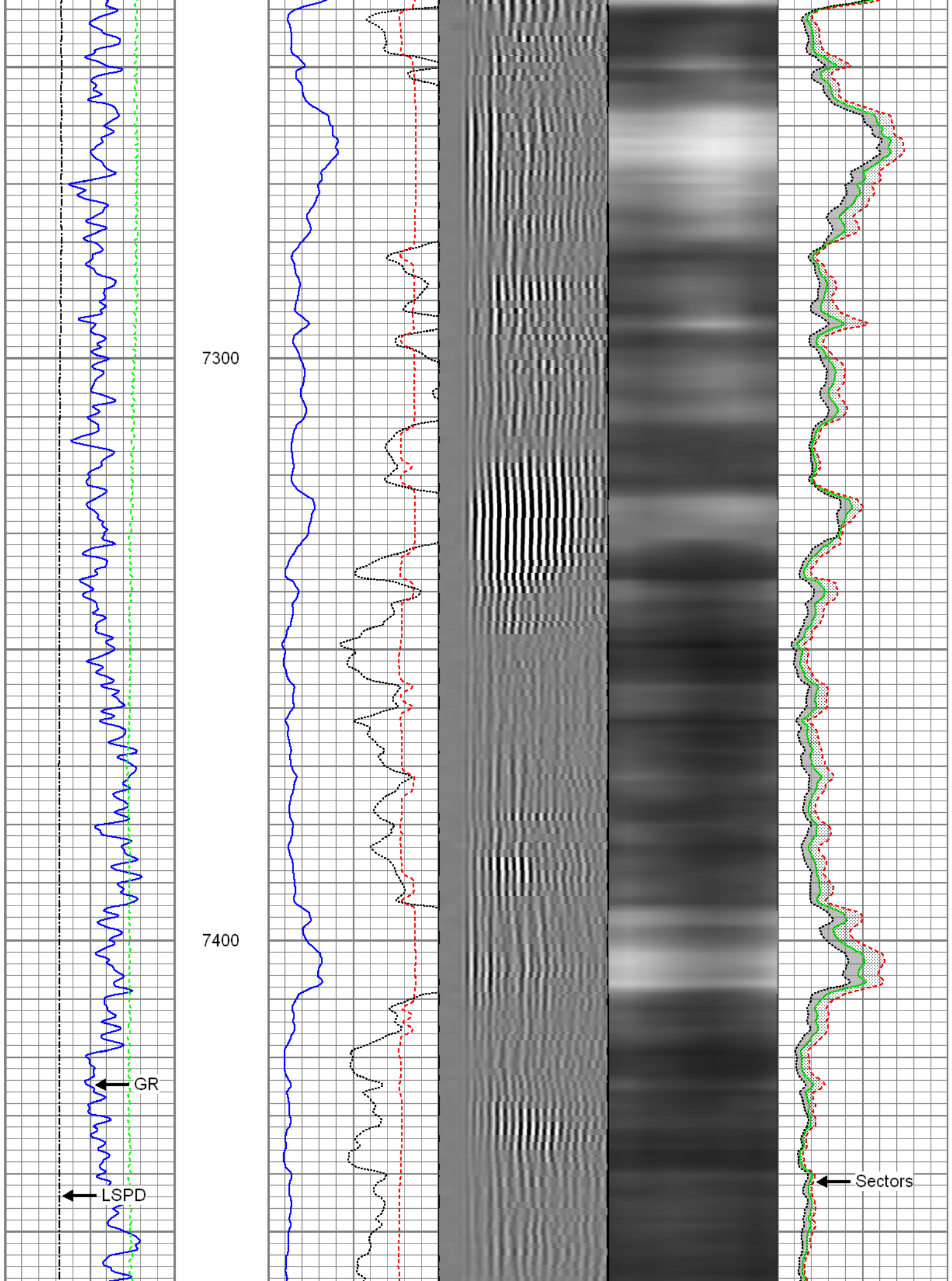
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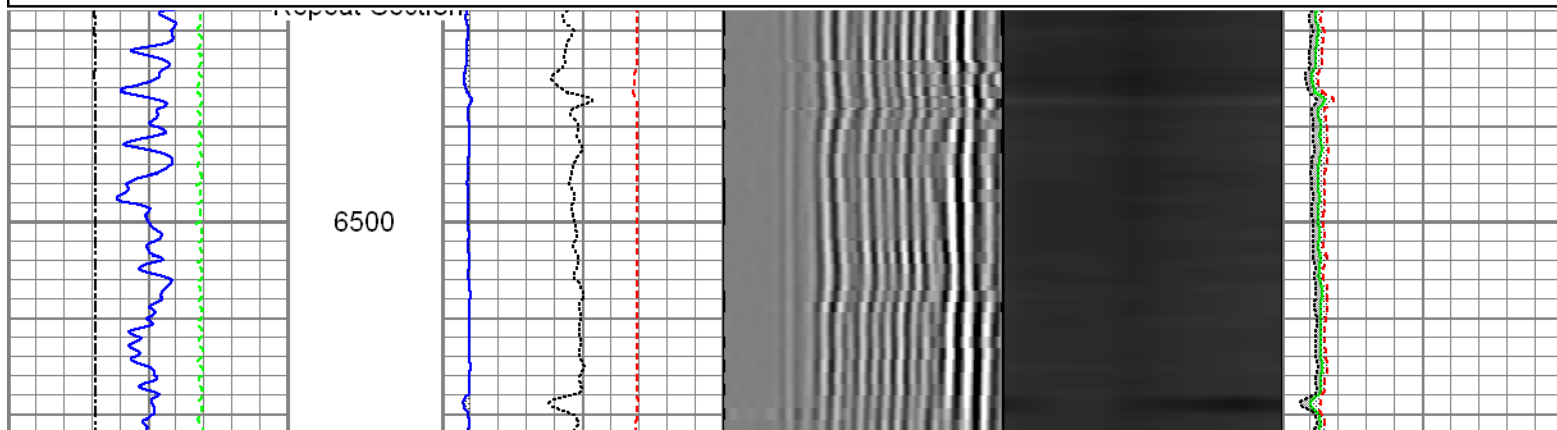
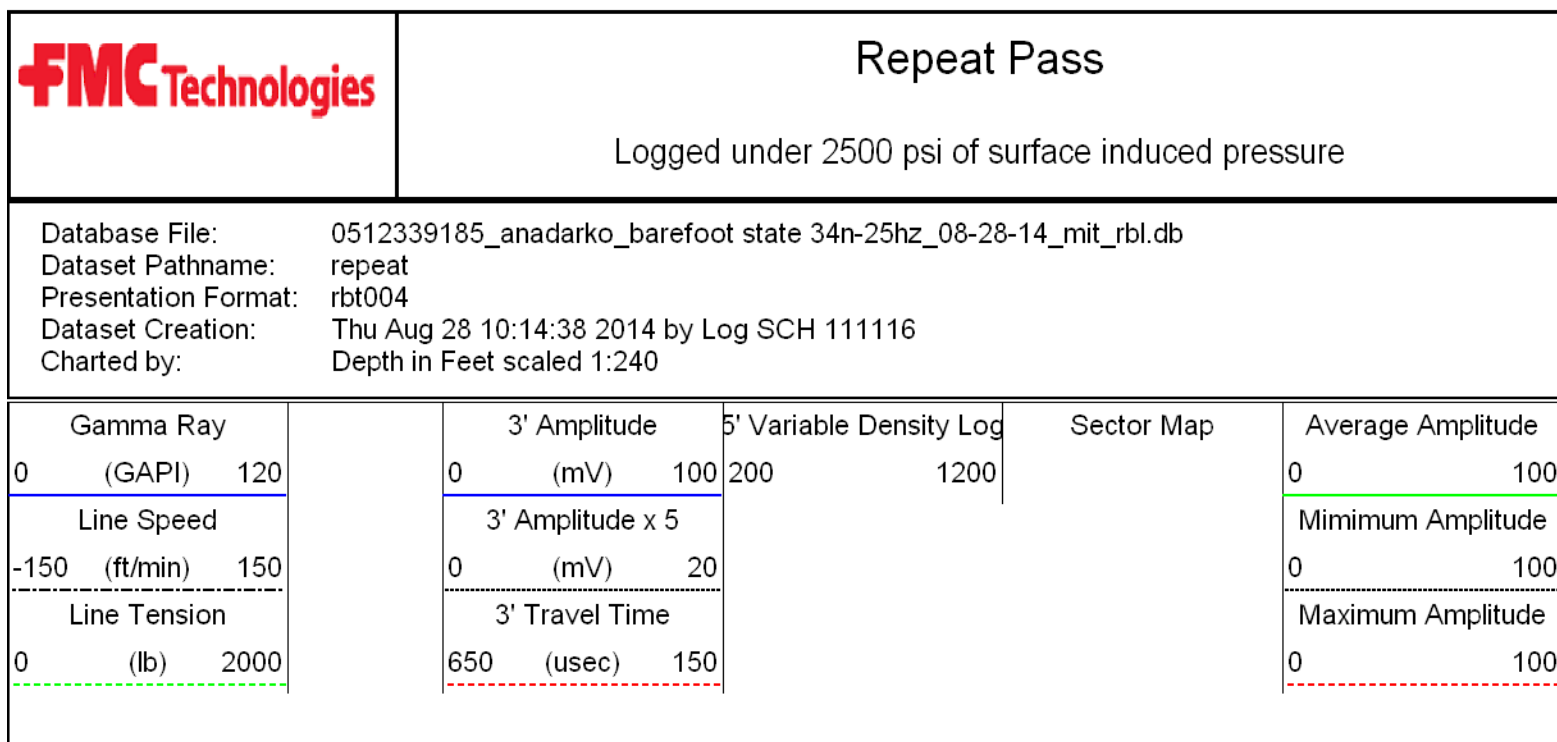
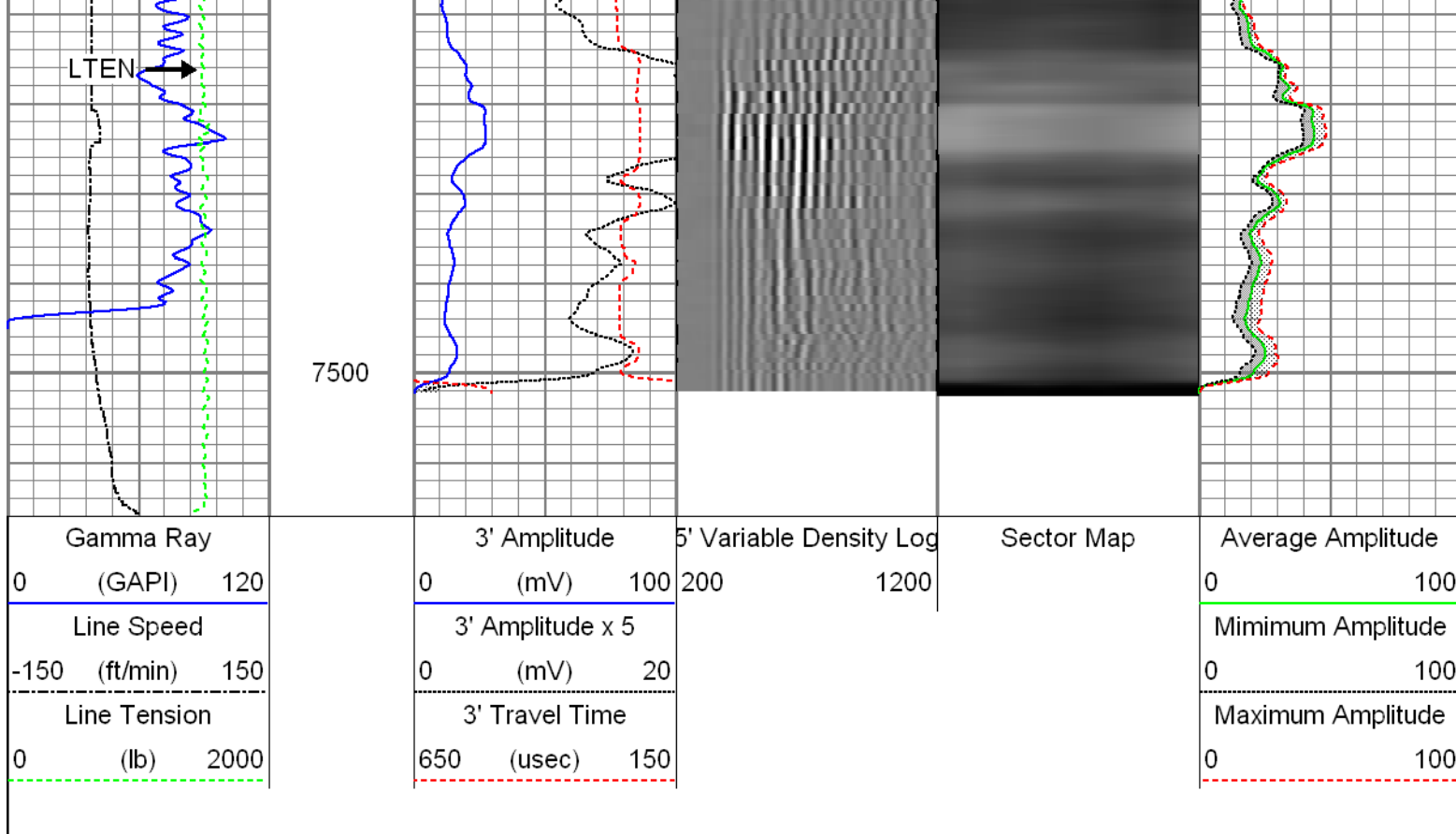


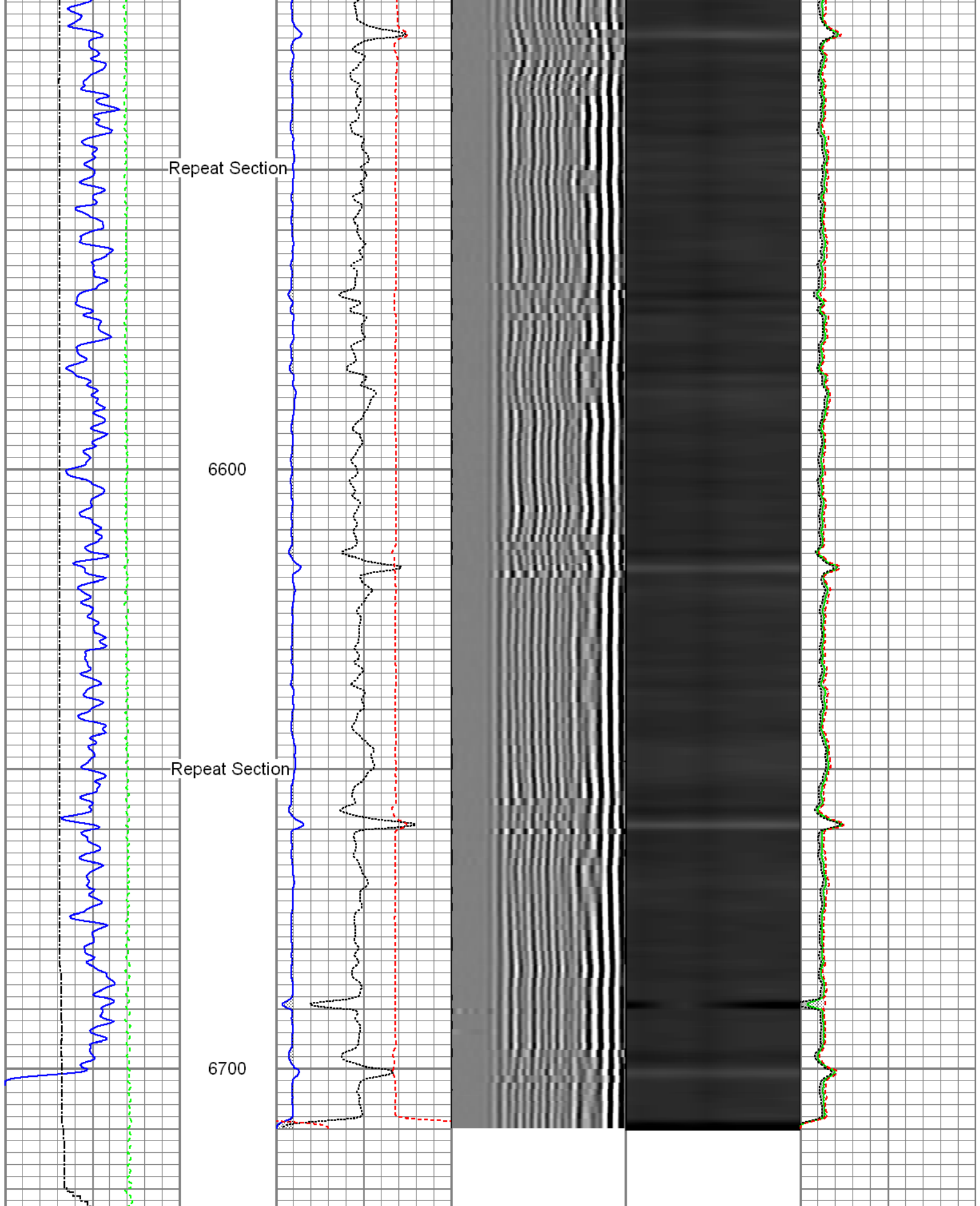
7100

7200



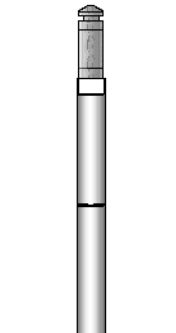
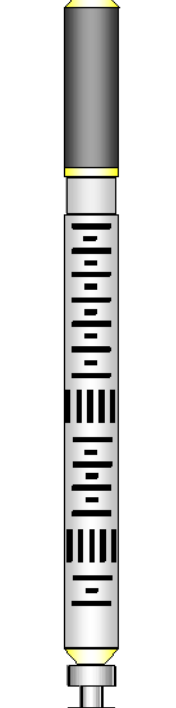
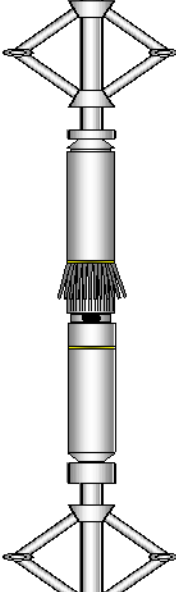







Gamma Ray (GAPI)	3' Amplitude (mV)	5' Variable Density Log	Sector Map	Average Amplitude
0 120	0 100	200 1200		0 100
Line Speed (ft/min)	3' Amplitude x 5 (mV)			Minimum Amplitude
-150 150	0 20			0 100

Line Tension	3' Travel Time	Maximum Amplitude
0 (lb) 2000	650 (usec) 150	0 100

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	22.37		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 (051219) Crossover Ultrawire Toolbus to Ultralink	1.58	1.69	6.50
			UW_PGR-UW_PGR_020 (211727) Production Gamma Ray	1.93	1.69	9.50
			UW_PRC-DSSRAC (080) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
WVFS1	14.99		UW_RBT-UW_RBT_004 (10013454) Sondex Ultrawire 3-1/8" Radial Bond Tool	9.47	3.13	140.00
WVFS2	14.99					
WVFS3	14.99					
WVFS4	14.99					
WVFS5	14.99					
WVFS6	14.99					
WVFS7	14.99					
WVFS8	14.99					
CBLTEMP	14.99					
CBLROT	14.99					
WVF5FT	13.99					
MIT	4.97		UW_PRC #3 -DSSRAC (082) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
			UW_MIT-UW_MIT40_042 (10012912) 40 Multifinger Imaging Tool	4.54	2.75	61.10
			UW_PRC-DSSRAC (083) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00

TSTAMP	0.00		UW_BUL-UW_BUL_006 (218707) Sondex Ultrawire Bullnose Terminator	0.22	1.69	1.20
Dataset:	0512339185_Anadarko_Barefoot State 34N-25HZ_08-28-14_MIT_RBL.db: field/well/run1/main_7					
Total Length:	26.62 ft					
Total Weight:	319.30 lb					
O.D.	3.13 in					

Calibration Report	
Database File:	0512339185_Anadarko_Barefoot State 34N-25HZ_08-28-14_MIT_RBL.db
Dataset Pathname:	main_8
Dataset Creation:	Thu Aug 28 12:50:08 2014 by Log SCH 111116

Multi-finger Imaging Tool Calibration Report
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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: Thu Aug 28 08:54:25 2014

Ring size:	4		5		6		7
(in)		Sens		Sens		Sens	
Finger 01:	1027	378.0	1405	387.0	1792	399.0	2191
Finger 02:	1157	392.0	1549	386.0	1935	396.0	2331
Finger 03:	1043	400.0	1443	404.0	1847	421.0	2268
Finger 04:	1079	392.0	1471	392.0	1863	412.0	2275
Finger 05:	1060	399.0	1459	398.0	1857	417.0	2274
Finger 06:	1069	404.0	1473	398.0	1871	417.0	2288
Finger 07:	1046	406.0	1452	399.0	1851	421.0	2272
Finger 08:	1091	402.0	1493	392.0	1885	418.0	2303
Finger 09:	1064	408.0	1472	390.0	1862	416.0	2278
Finger 10:	1053	406.0	1459	392.0	1851	417.0	2268
Finger 11:	1053	404.0	1457	388.0	1845	414.0	2259
Finger 12:	1059	405.0	1464	389.0	1853	419.0	2272
Finger 13:	1021	398.0	1419	374.0	1793	397.0	2190
Finger 14:	1056	410.0	1466	391.0	1857	418.0	2275
Finger 15:	997	410.0	1407	400.0	1807	432.0	2239
Finger 16:	1009	409.0	1418	399.0	1817	431.0	2248
Finger 17:	987	408.0	1395	399.0	1794	436.0	2230
Finger 18:	1076	402.0	1478	383.0	1861	410.0	2271
Finger 19:	1042	402.0	1444	387.0	1831	416.0	2247
Finger 20:	1014	401.0	1415	397.0	1812	427.0	2239
Finger 21:	980	406.0	1386	390.0	1776	403.0	2179
Finger 22:	991	400.0	1391	401.0	1792	426.0	2218
Finger 23:	969	396.0	1365	407.0	1772	435.0	2207
Finger 24:	1036	391.0	1427	385.0	1812	398.0	2210
Finger 25:	978	391.0	1369	403.0	1772	425.0	2197
Finger 26:	1108	377.0	1485	376.0	1861	388.0	2249
Finger 27:	1049	387.0	1436	394.0	1830	403.0	2233

Finger 28:	1045	373.0	1418	378.0	1796	390.0	2186
Finger 29:	1010	386.0	1396	403.0	1799	411.0	2210
Finger 30:	1068	381.0	1449	394.0	1843	403.0	2246
Finger 31:	1096	379.0	1475	389.0	1864	395.0	2259
Finger 32:	1042	385.0	1427	409.0	1836	414.0	2250
Finger 33:	1153	377.0	1530	377.0	1907	377.0	2284
Finger 34:	1114	374.0	1488	388.0	1876	397.0	2273
Finger 35:	1033	392.0	1425	412.0	1837	435.0	2272
Finger 36:	1060	386.0	1446	400.0	1846	412.0	2258
Finger 37:	1089	384.0	1473	398.0	1871	401.0	2272
Finger 38:	1125	380.0	1505	386.0	1891	389.0	2280
Finger 39:	1139	378.0	1517	384.0	1901	388.0	2289
Finger 40:	1068	389.0	1457	398.0	1855	406.0	2261

Post Survey Calibration Check
Performed: Thu Aug 28 12:49:58 2014

Ring size: (in)	4	Nom. wear	5	Nom. wear	6	Nom. wear	7	Nom. wear
Finger 01:	4.096	0.048	5.010	0.005	7.018	0.509		
Finger 02:	4.101	0.051	5.004	0.002	7.003	0.502		
Finger 03:	4.094	0.047	5.008	0.004	7.004	0.502		
Finger 04:	4.095	0.048	5.025	0.012	7.010	0.505		
Finger 05:	4.095	0.048	5.006	0.003	7.009	0.504		
Finger 06:	4.095	0.048	5.015	0.007	7.004	0.502		
Finger 07:	4.093	0.047	5.005	0.002	7.001	0.500		
Finger 08:	4.095	0.048	5.008	0.004	7.001	0.501		
Finger 09:	4.100	0.050	5.004	0.002	7.001	0.500		
Finger 10:	4.097	0.048	5.004	0.002	7.003	0.501		
Finger 11:	4.093	0.047	5.003	0.002	7.001	0.501		
Finger 12:	4.097	0.049	5.007	0.003	7.009	0.505		
Finger 13:	4.107	0.053	4.994	-0.003	7.002	0.501		
Finger 14:	4.096	0.048	5.005	0.003	7.002	0.501		
Finger 15:	4.094	0.047	5.008	0.004	7.004	0.502		
Finger 16:	4.098	0.049	5.007	0.004	7.001	0.501		
Finger 17:	4.097	0.049	5.009	0.005	7.005	0.503		
Finger 18:	4.102	0.051	5.007	0.004	7.009	0.504		
Finger 19:	4.097	0.049	5.007	0.003	7.006	0.503		
Finger 20:	4.099	0.049	5.012	0.006	7.004	0.502		
Finger 21:	4.109	0.054	4.995	-0.002	7.004	0.502		
Finger 22:	4.101	0.050	5.011	0.005	7.005	0.502		
Finger 23:	4.092	0.046	5.012	0.006	7.009	0.504		
Finger 24:	4.092	0.046	5.007	0.003	7.003	0.502		
Finger 25:	4.092	0.046	5.011	0.005	7.010	0.505		
Finger 26:	4.095	0.047	5.010	0.005	7.011	0.506		
Finger 27:	4.093	0.047	5.008	0.004	7.013	0.507		
Finger 28:	4.098	0.049	5.001	0.000	6.996	0.498		
Finger 29:	4.096	0.048	5.003	0.001	7.017	0.508		
Finger 30:	4.096	0.048	5.009	0.004	7.008	0.504		
Finger 31:	4.098	0.049	5.010	0.005	7.010	0.505		
Finger 32:	4.097	0.048	5.005	0.002	6.998	0.499		
Finger 33:	4.099	0.049	5.009	0.004	6.996	0.498		
Finger 34:	4.099	0.049	5.010	0.005	6.998	0.499		
Finger 35:	4.097	0.049	5.000	-0.000	6.971	0.485		
Finger 36:	4.102	0.051	5.003	0.001	7.004	0.502		
Finger 37:	4.101	0.050	5.003	0.002	7.006	0.503		
Finger 38:	4.096	0.048	5.004	0.002	7.006	0.503		
Finger 39:	4.099	0.049	5.003	0.002	7.010	0.505		
Finger 40:	4.101	0.050	5.004	0.002	7.029	0.515		
Average:	4.097	0.049	5.007	0.003	7.005	0.503		

Segmented Cement Bond Log Calibration Report

Serial Number: 10013454
Tool Model: IJW RBT 004

Tool Model: UW_RDT_001
Calibration Casing Diameter: 5.500 in
Calibration Depth: 668.554 ft

Master Calibration, performed Thu Aug 28 09:07:56 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.000	0.629	0.800	71.921	113.122	0.800
5FT	-0.001	0.687	0.800	71.921	103.295	0.926
S1	0.000	0.629	0.000	100.000	159.044	0.000
S2	0.007	0.636	0.000	100.000	159.124	-1.165
S3	0.002	0.635	0.000	100.000	157.955	-0.287
S4	-0.002	0.634	0.000	100.000	157.026	0.372
S5	0.007	0.628	0.000	100.000	161.048	-1.166
S6	-0.001	0.625	0.000	100.000	159.788	0.195
S7	-0.000	0.619	0.000	100.000	161.623	0.034
S8	0.001	0.623	0.000	100.000	160.694	-0.167

Gamma Ray Calibration Report

Serial Number: 211727
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



Company Kerr-McGee Oil and Gas Onshore LP
Well Barefoot State 34N-25HZ
Field Wattenberg
County Weld
State Colorado