

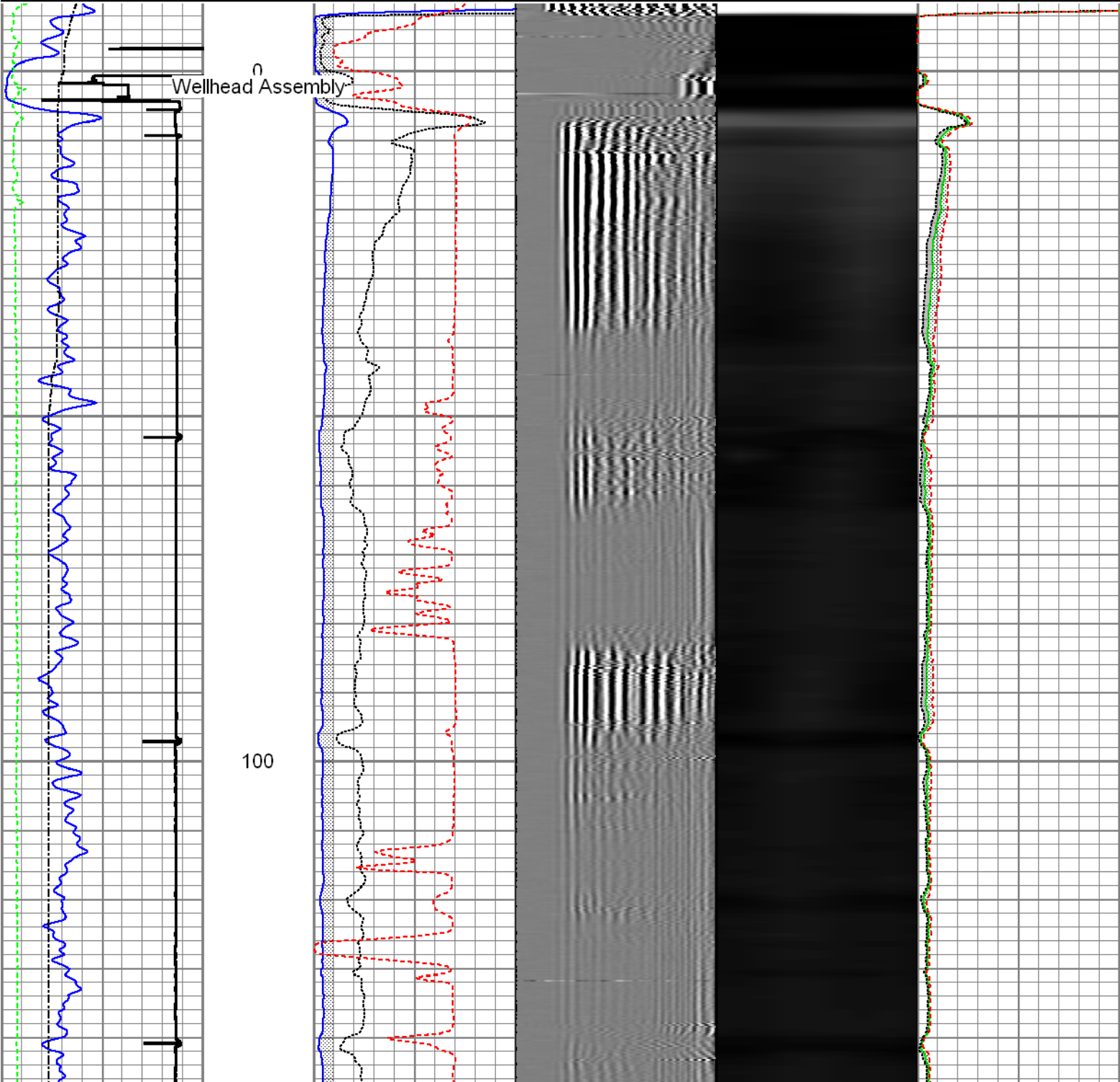


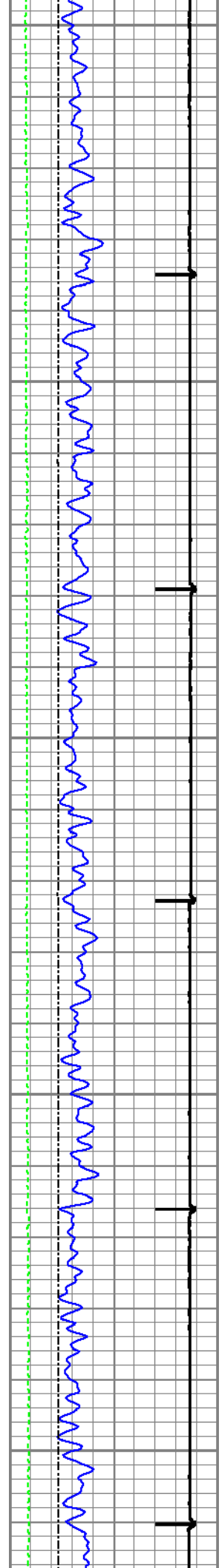
<<< Fold Here >>>
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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 plug (set 1 1/2 joints deeper than liner) to surface. Log ran with 2800 PSI surface induced pressure. Adjusted -10 FT to correlate to reported liner top.  Thank you for choosing FMC Technologies Completion Services, Inc.!!



Database File: 0512339191\_anadarko\_barefoot 31c-25hz\_09-19-14\_mit\_rbl.db  
Dataset Pathname: main1  
Presentation Format: rbt4\_mit  
Dataset Creation: Fri Sep 19 15:38:52 2014 by Log SCH 111116  
Charted by: Depth in Feet scaled 1:240

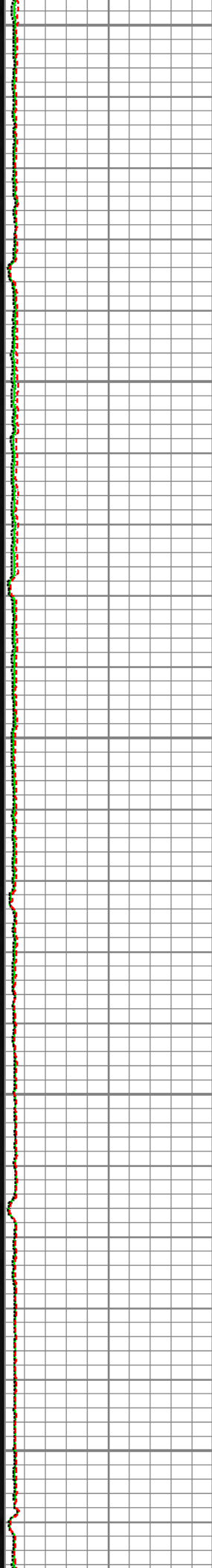
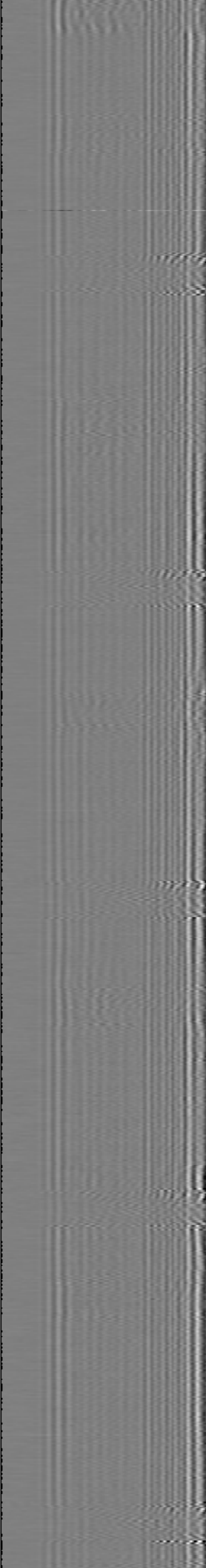
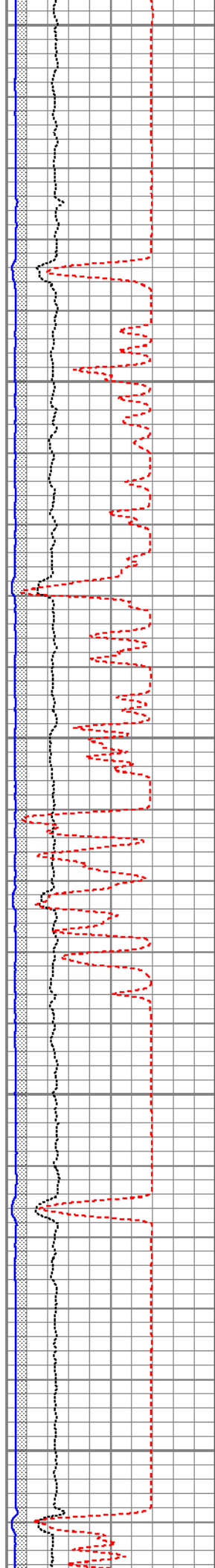
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
Line Speed	0 (mV) 20			0 100
-100 (ft/min) 100	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000				

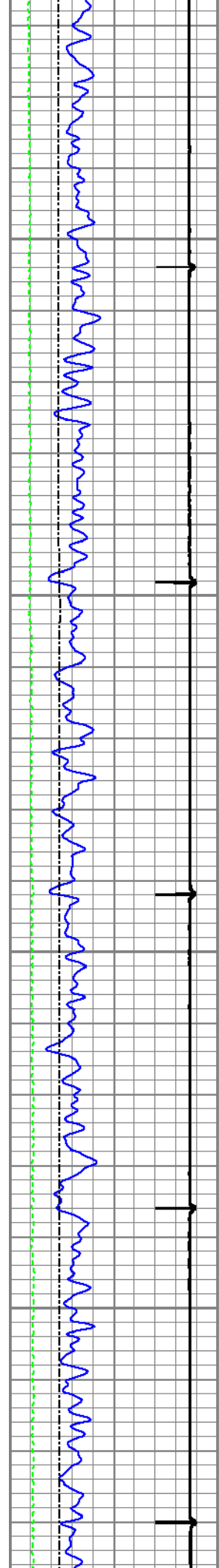




200

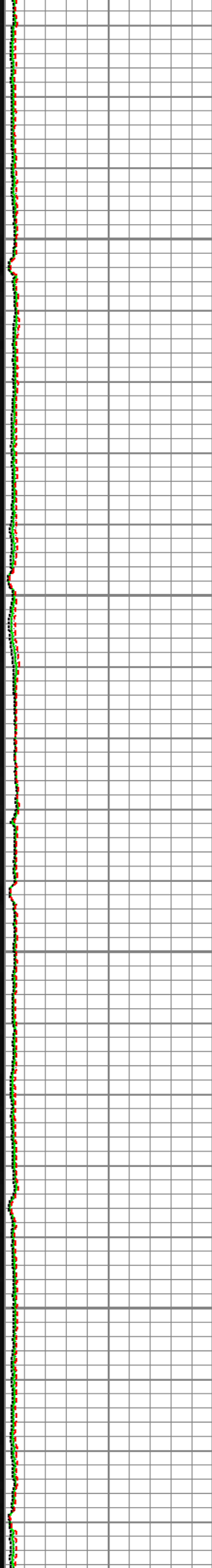
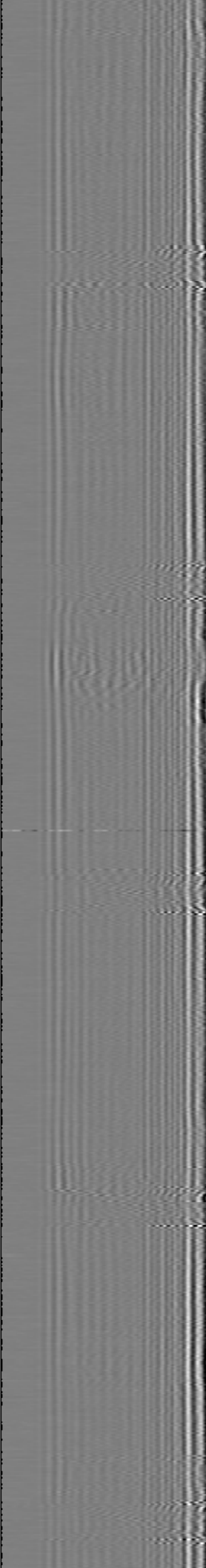
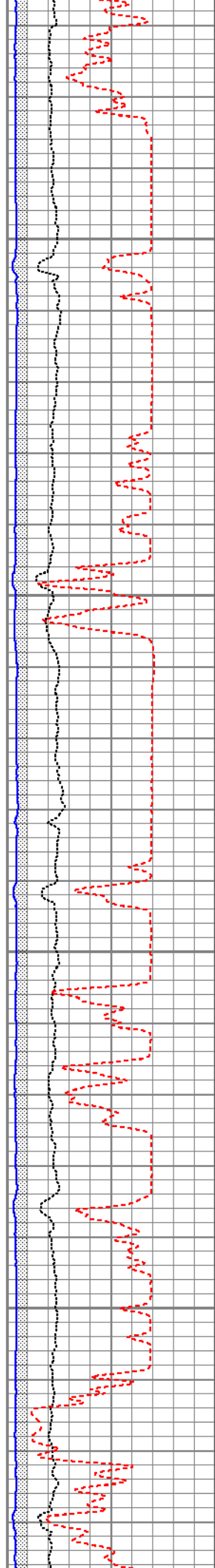
300



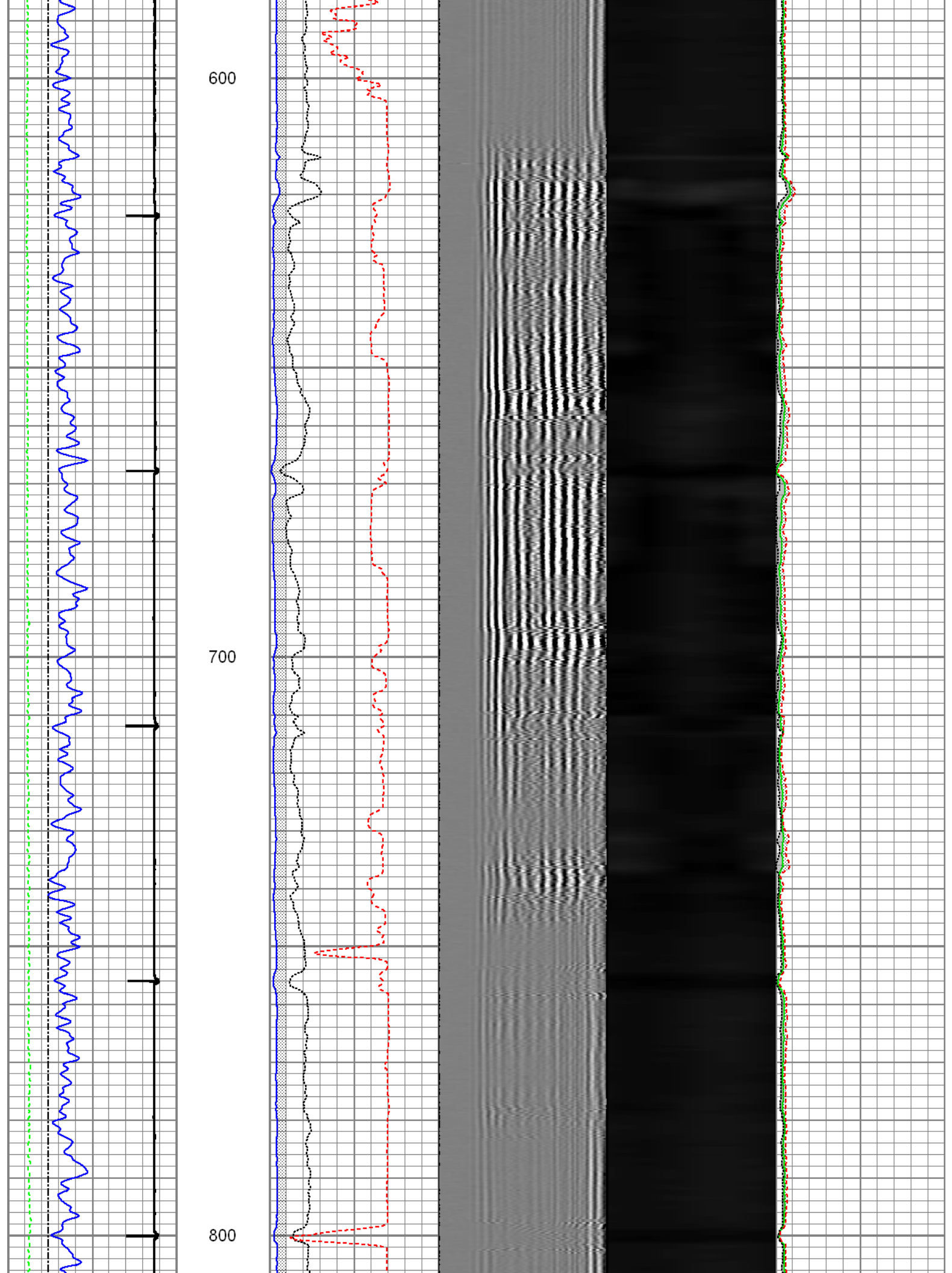


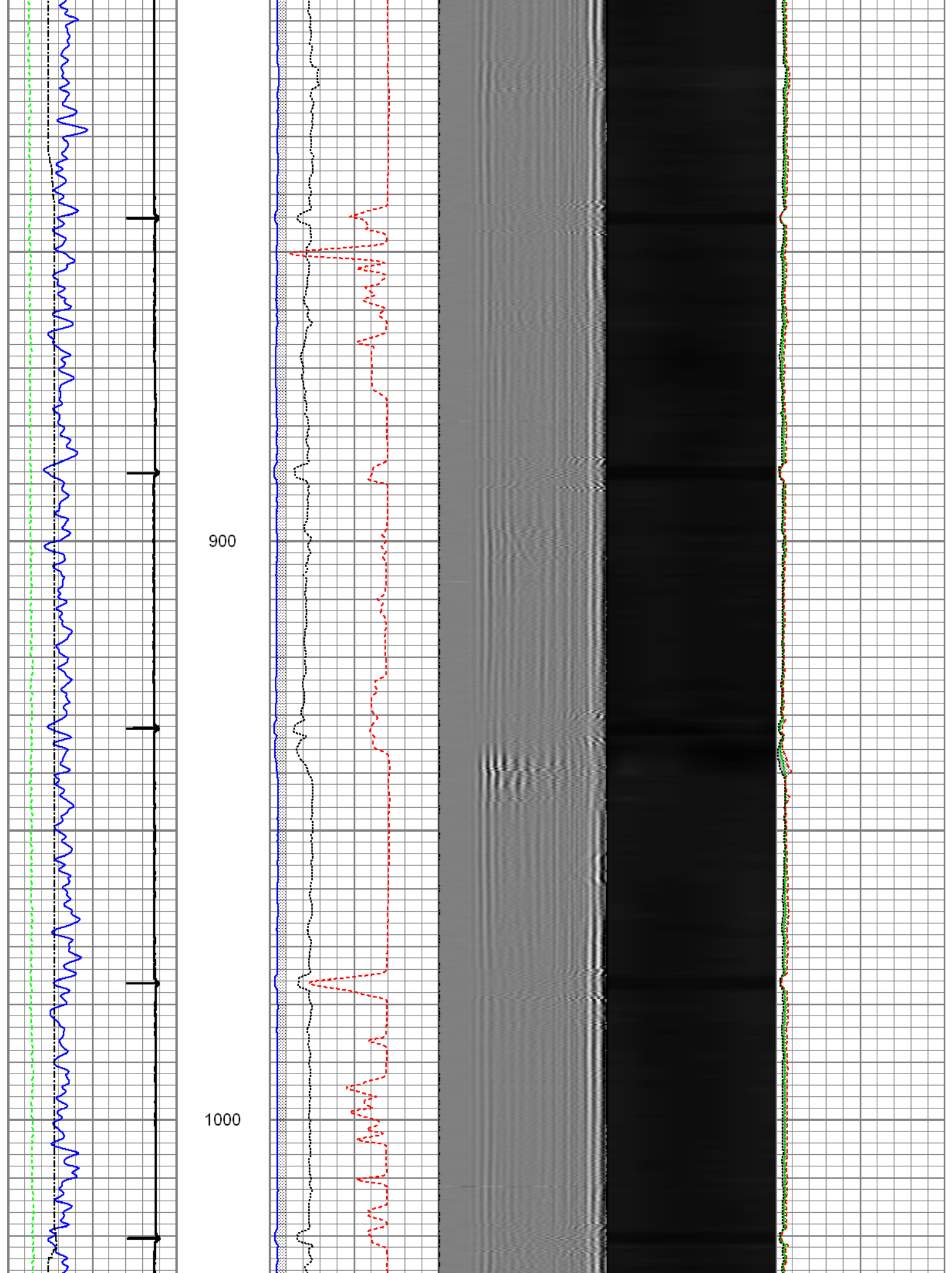
400

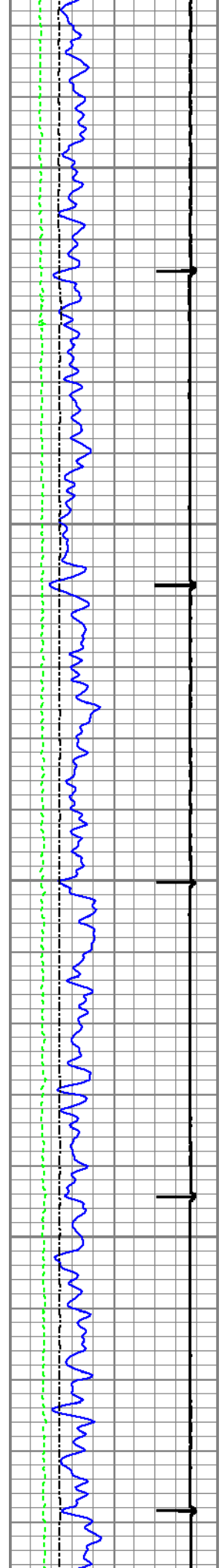
500





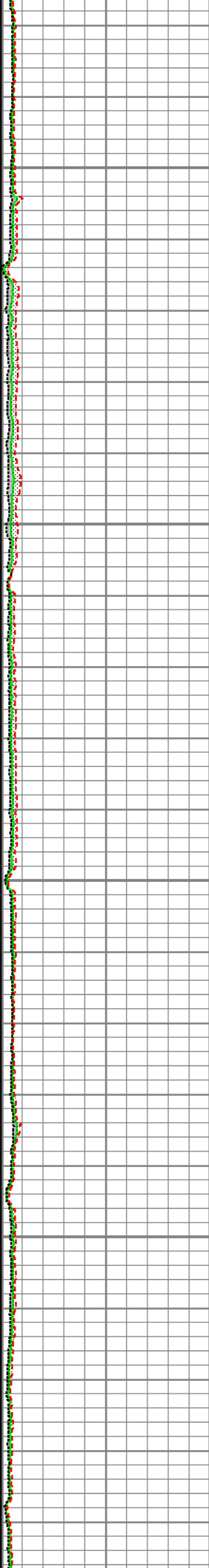
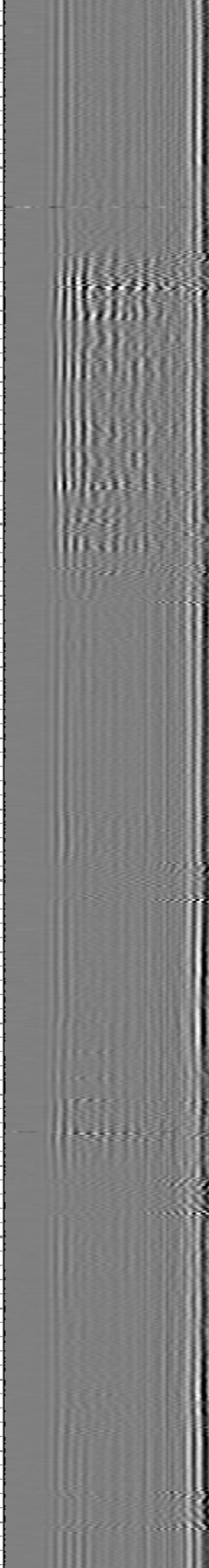
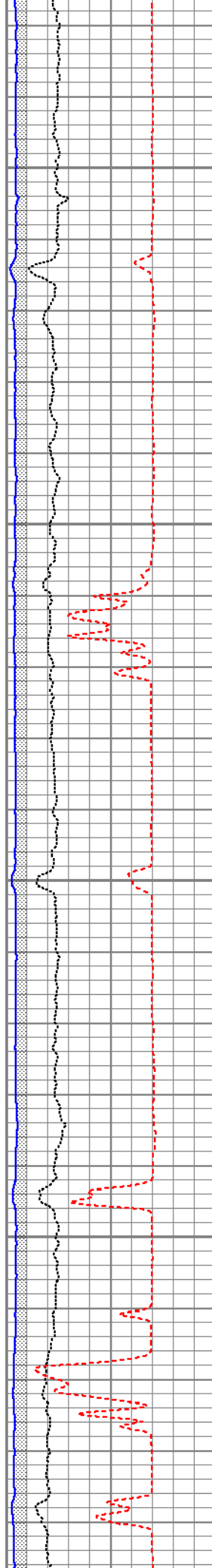


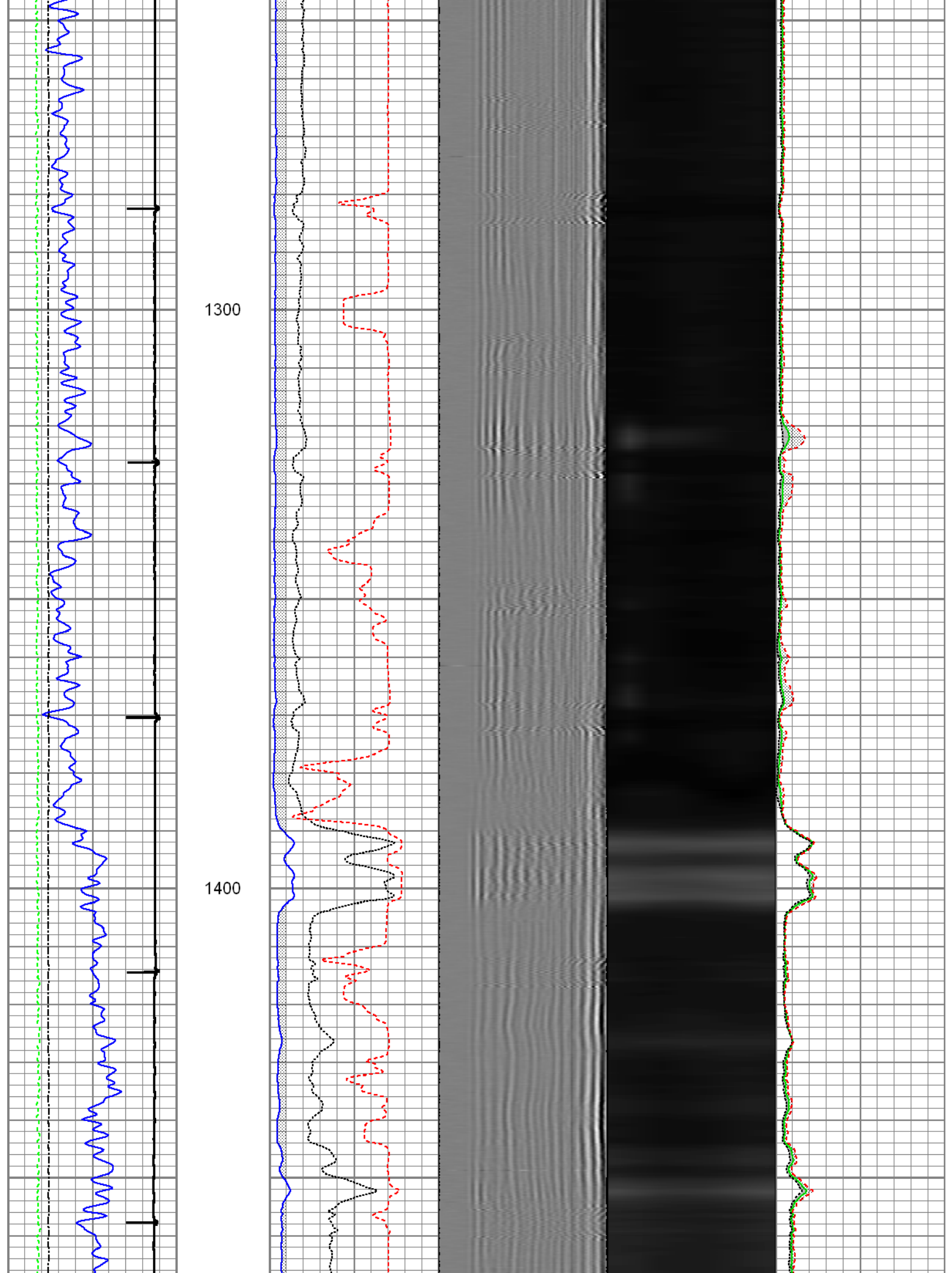




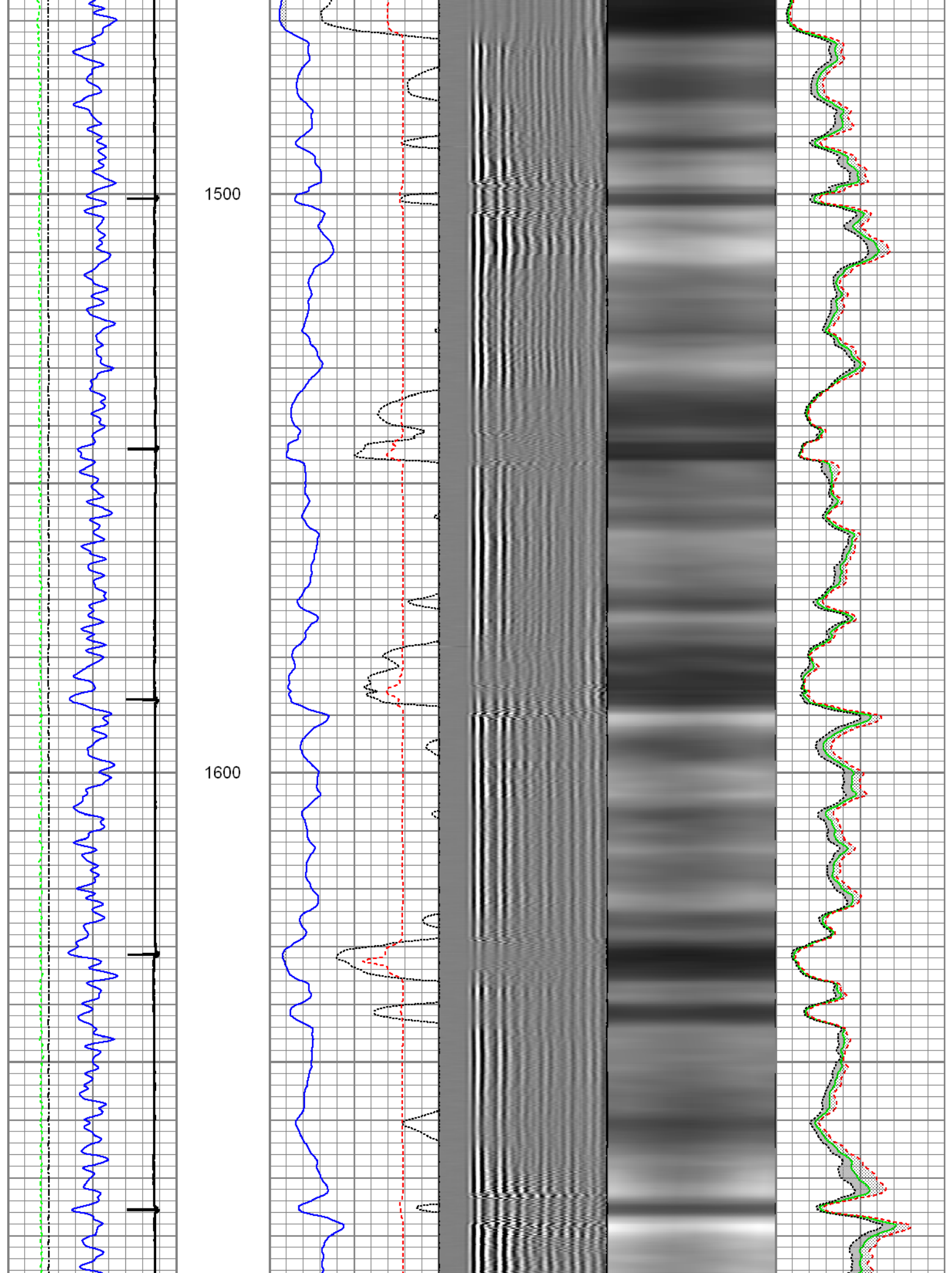
1100

1200

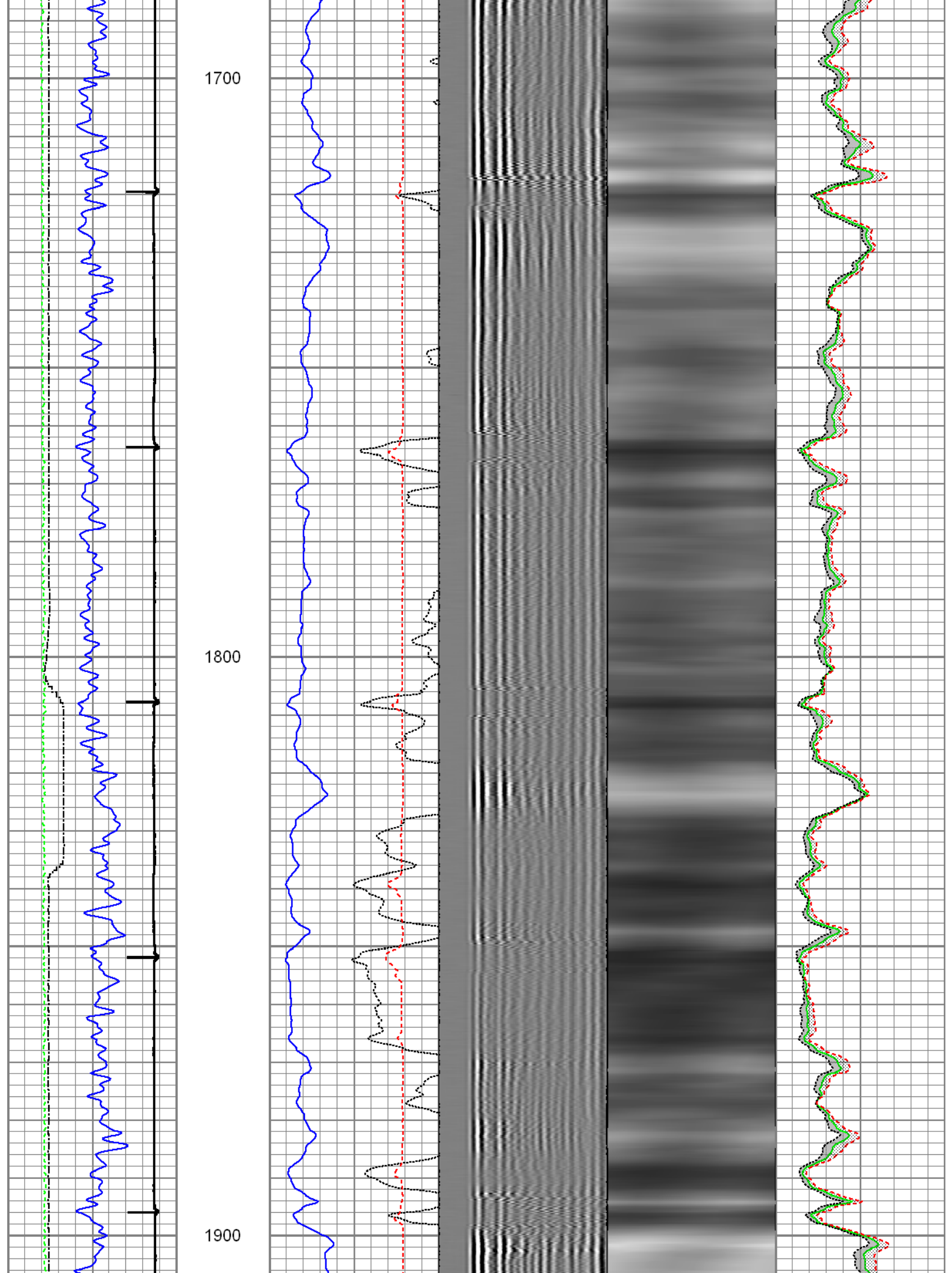






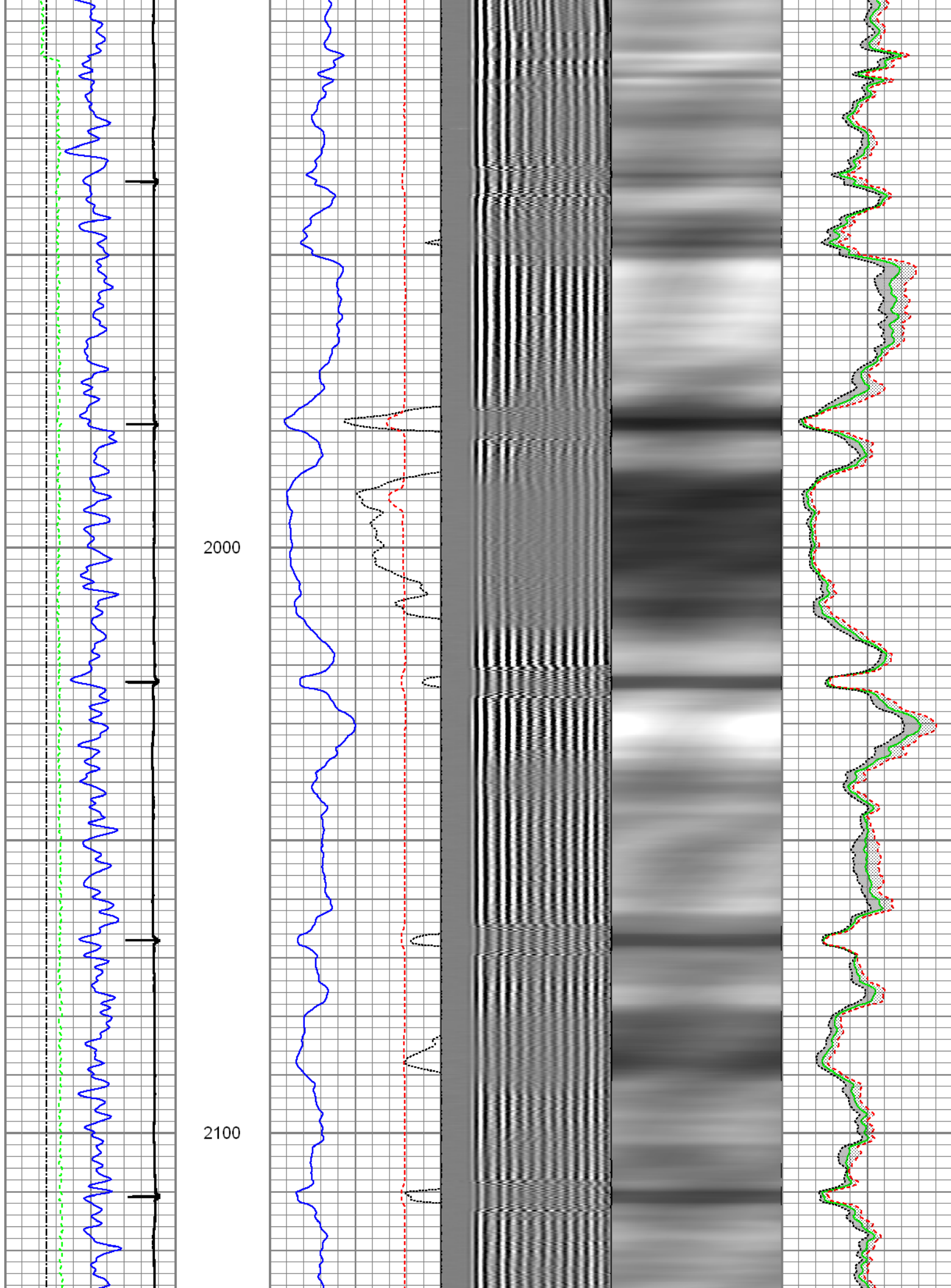






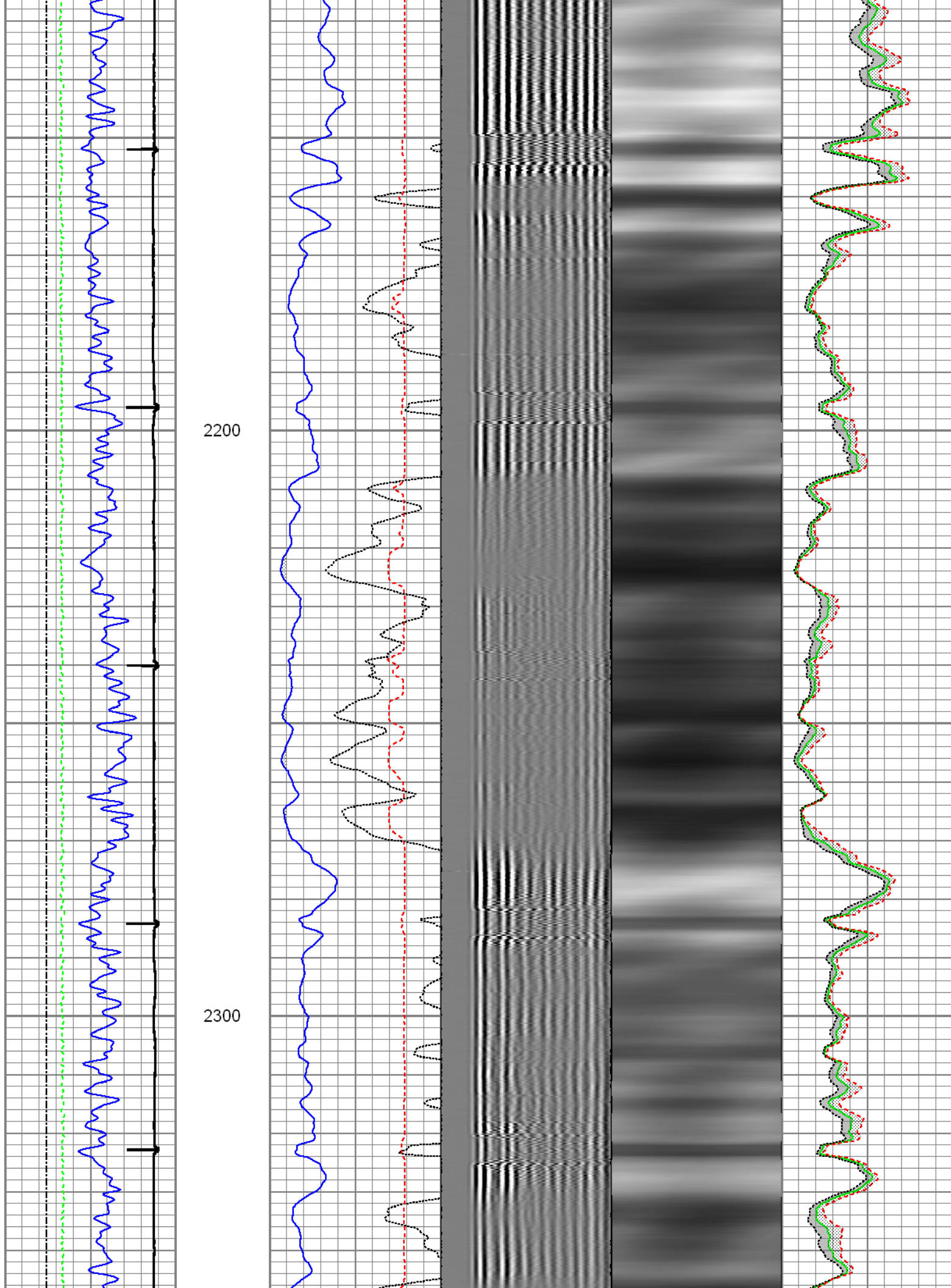
2000

2100



2200

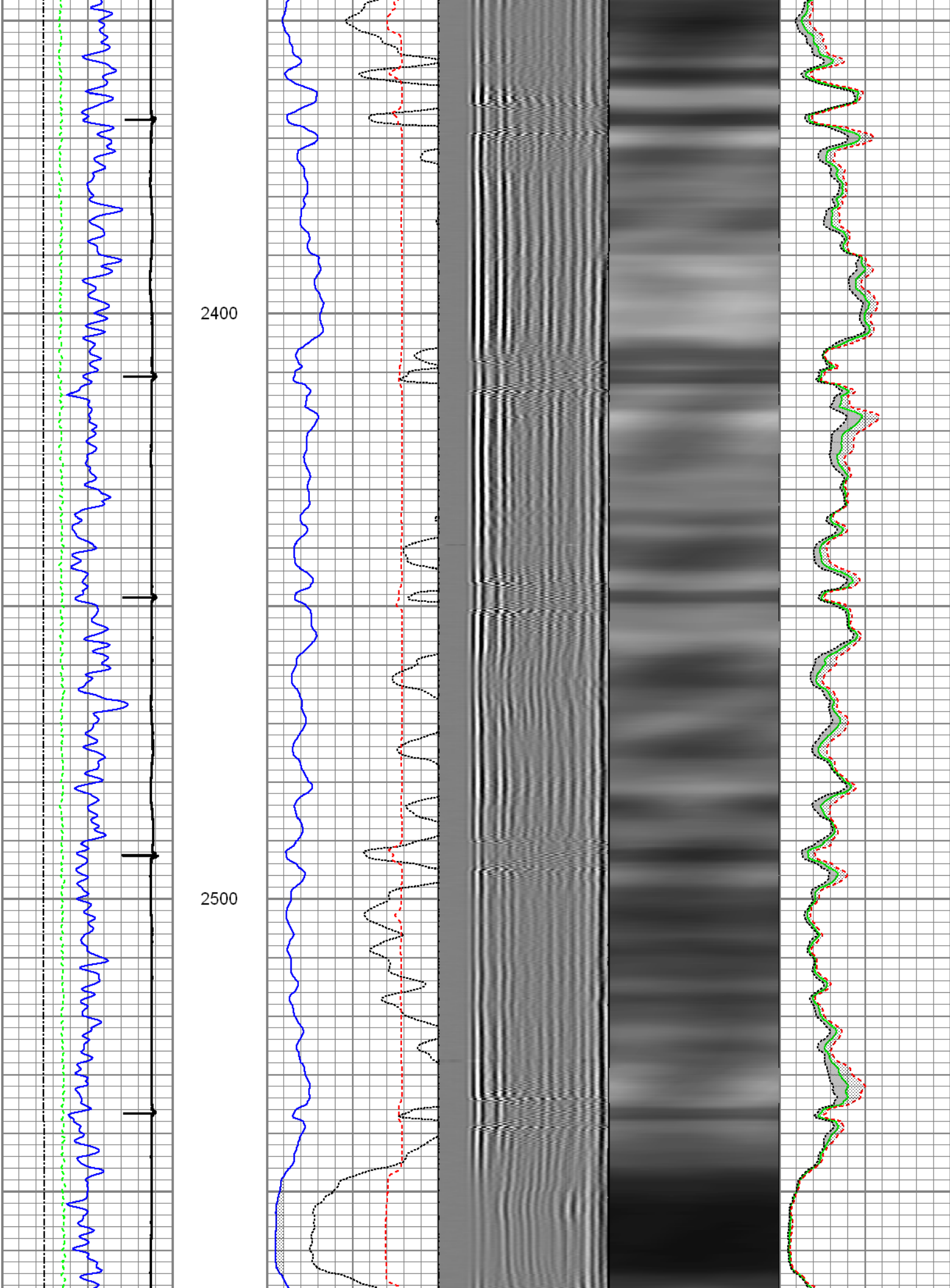
2300





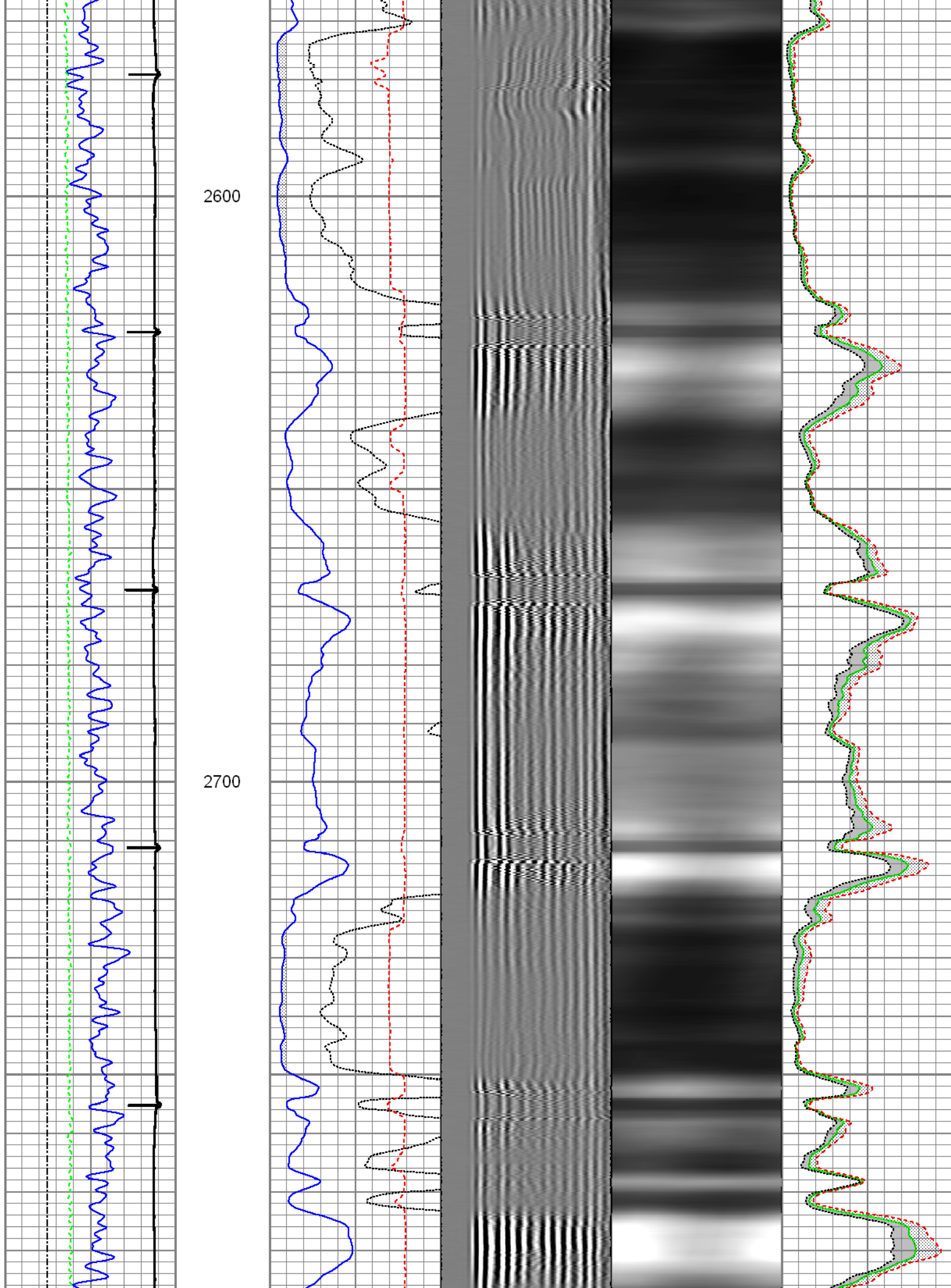
2400

2500

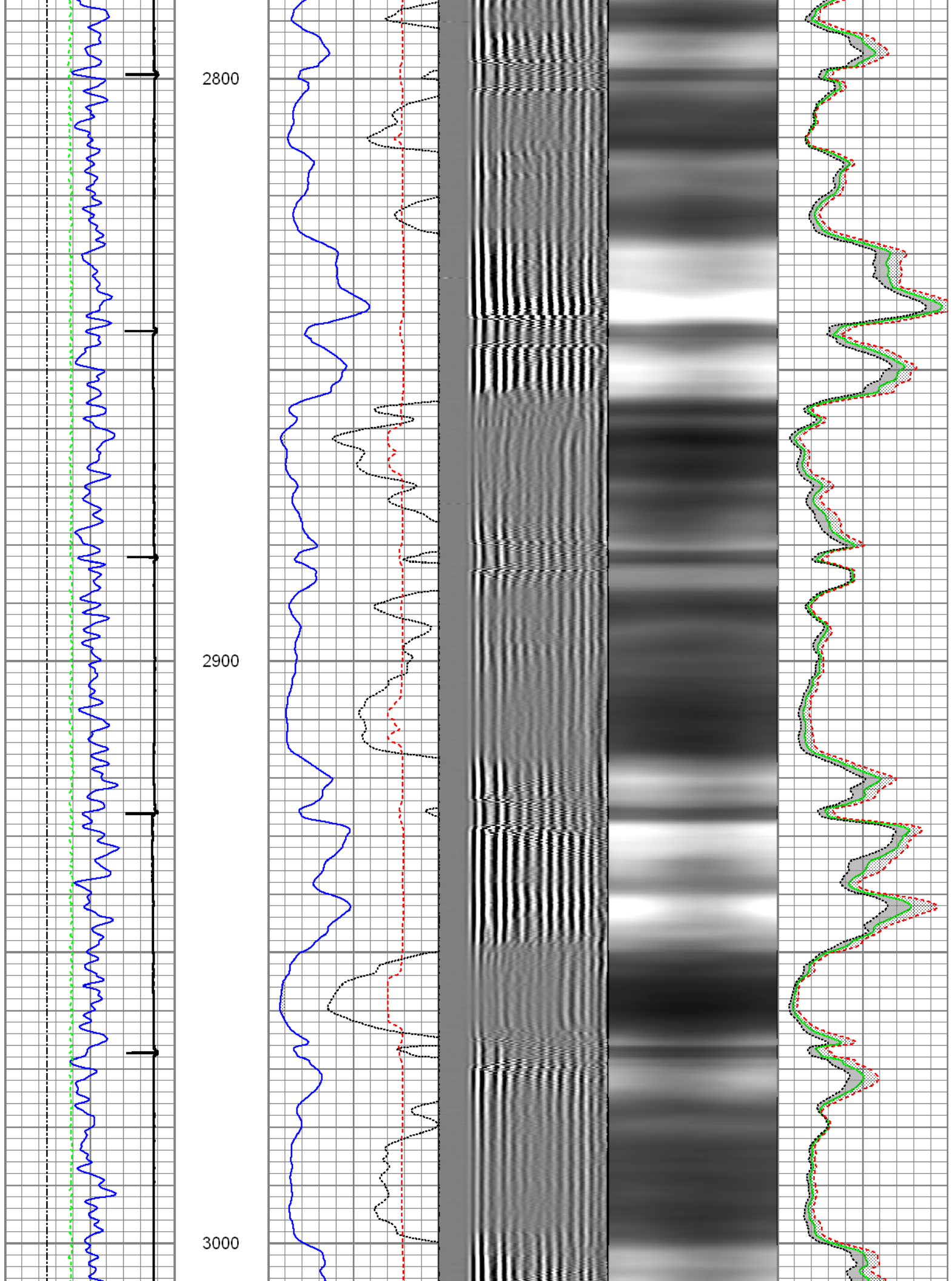


2600

2700

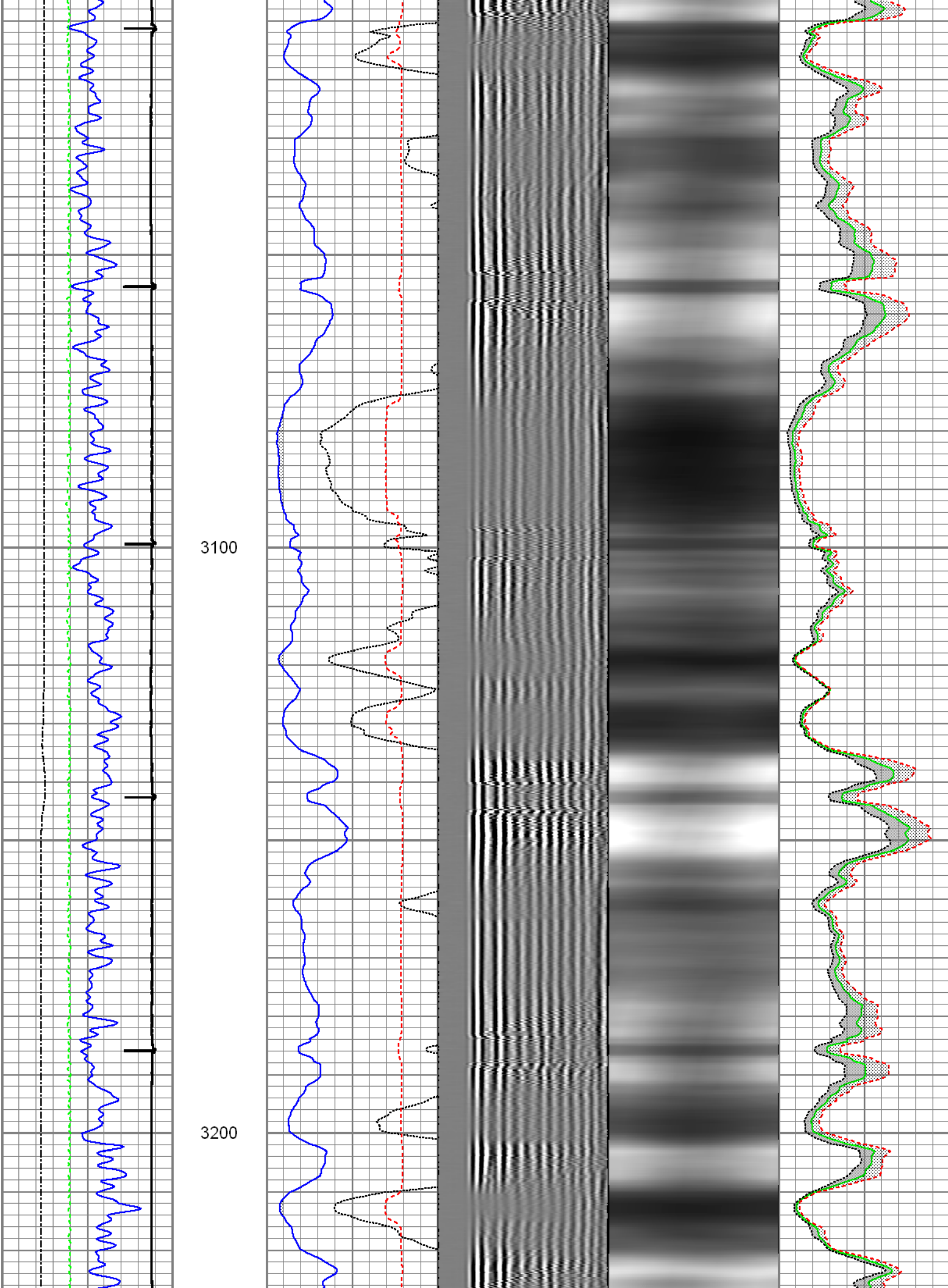


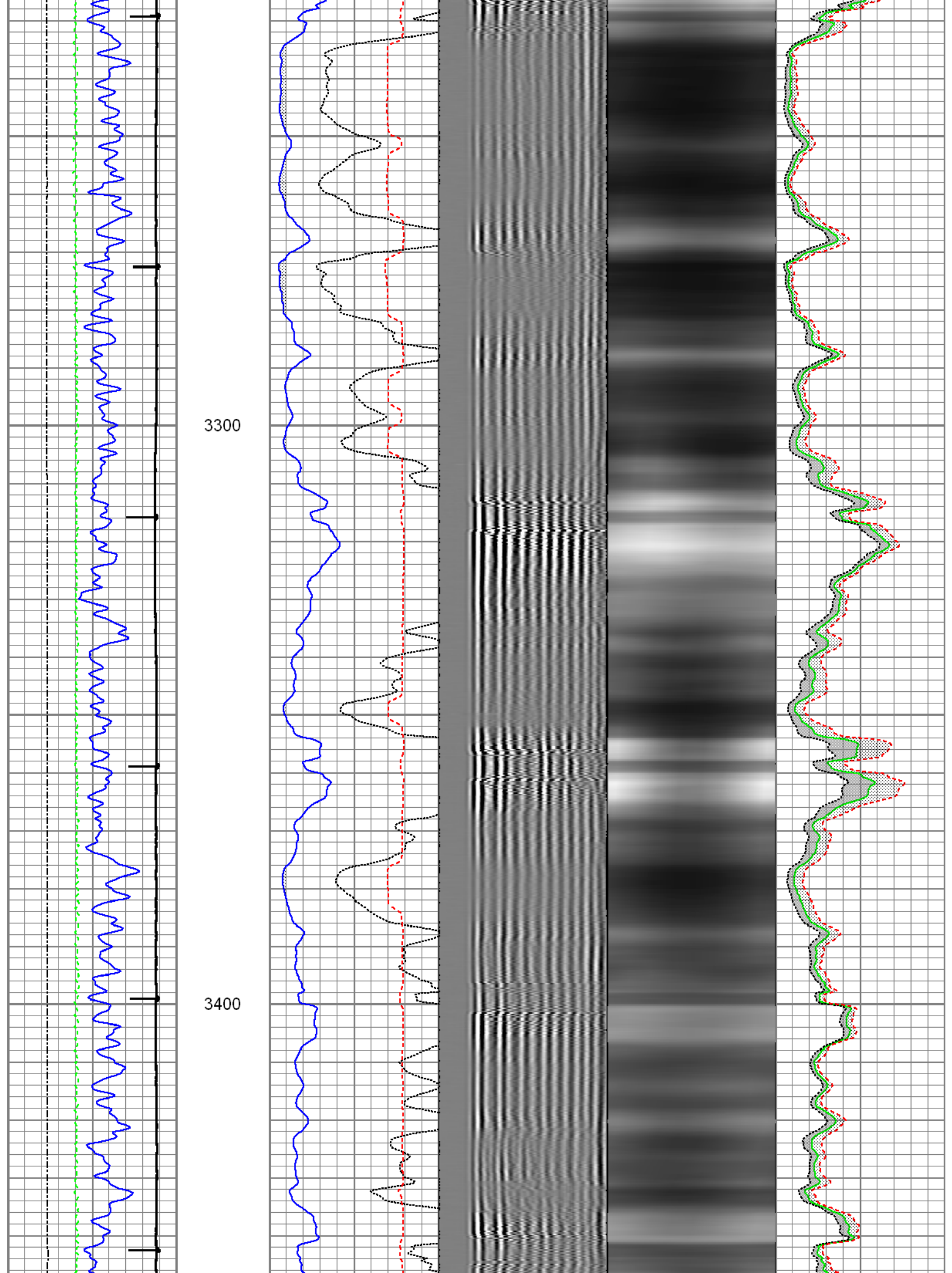




3100

3200

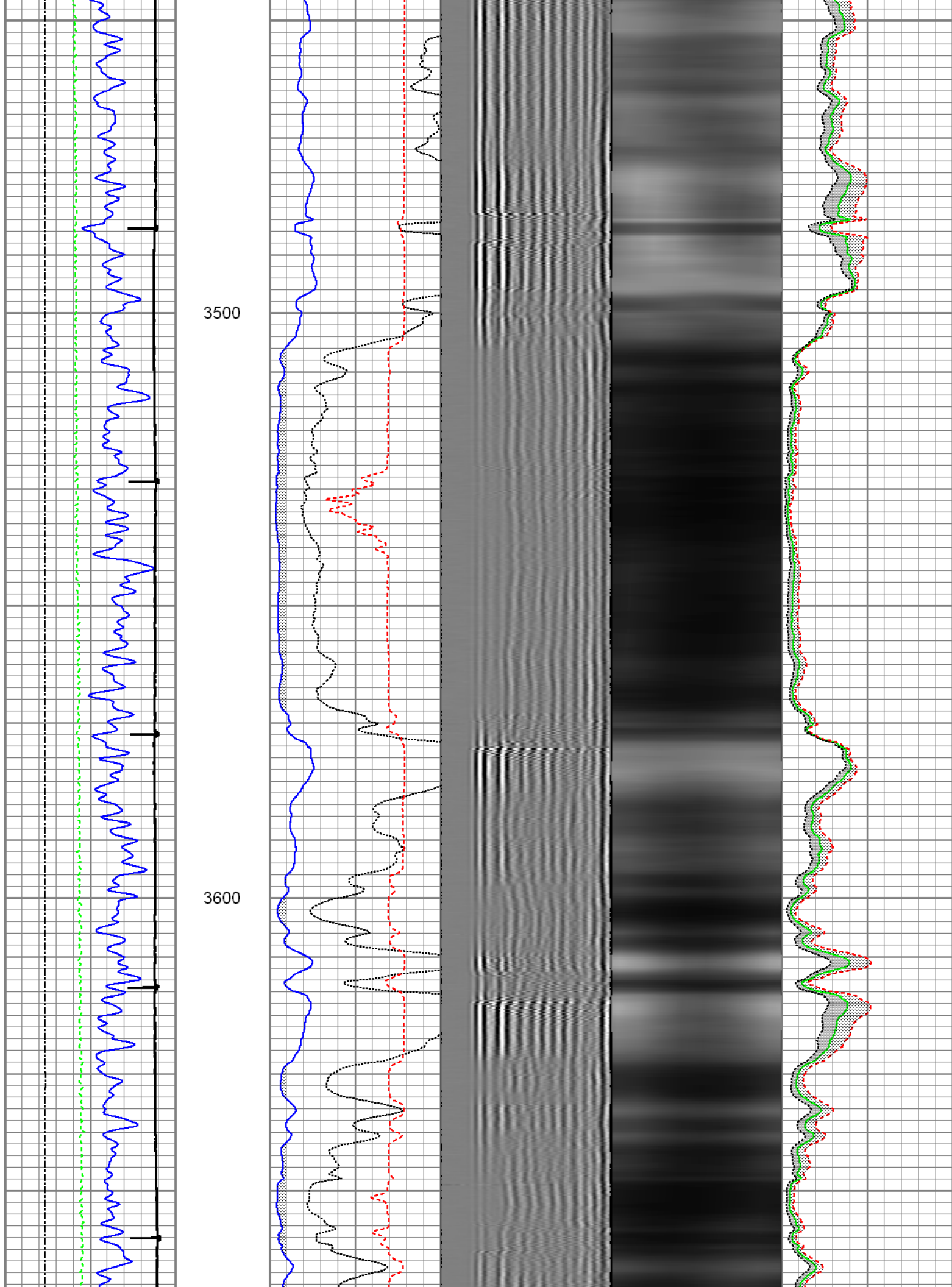






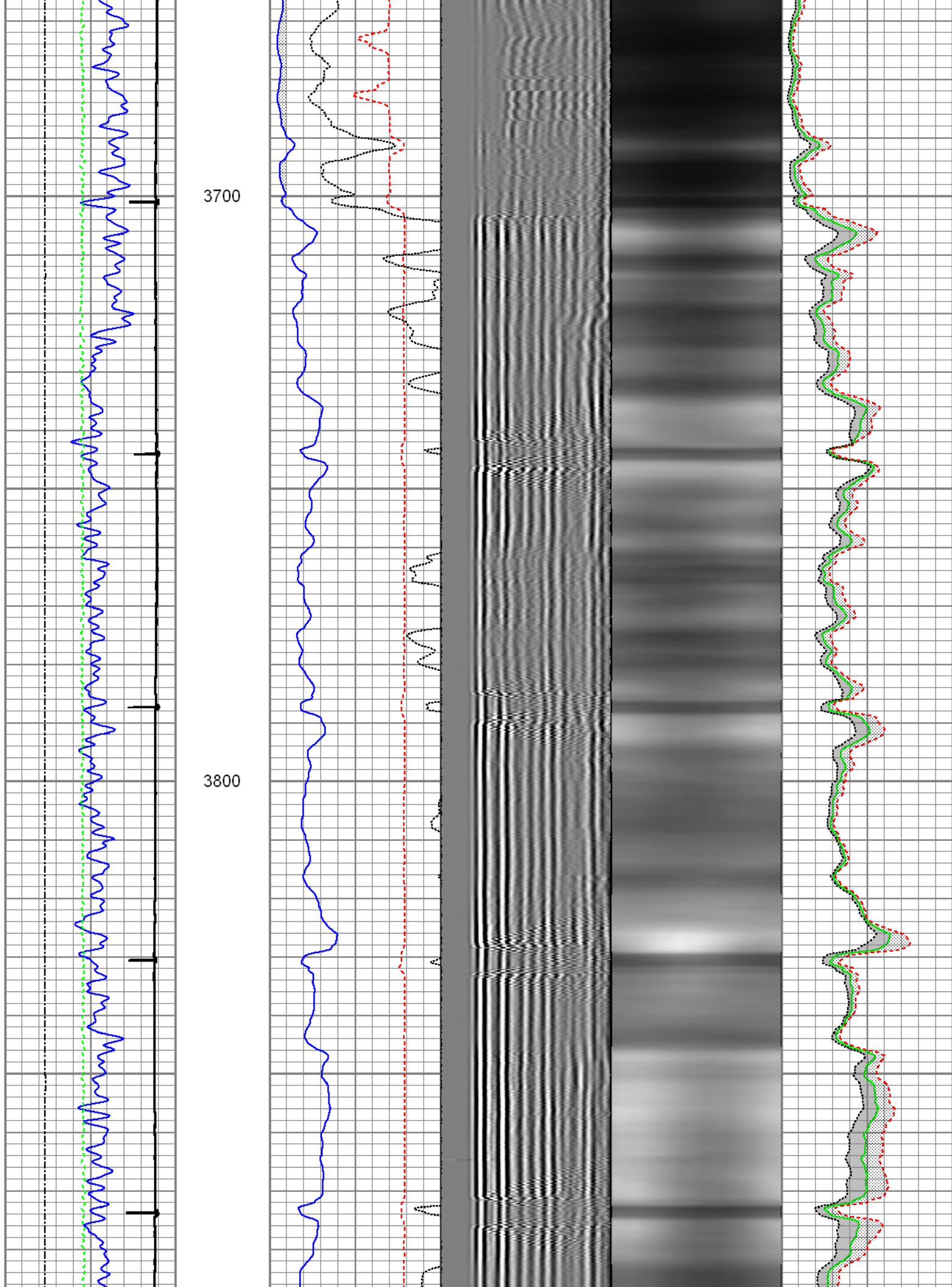
3500

3600



3700

3800

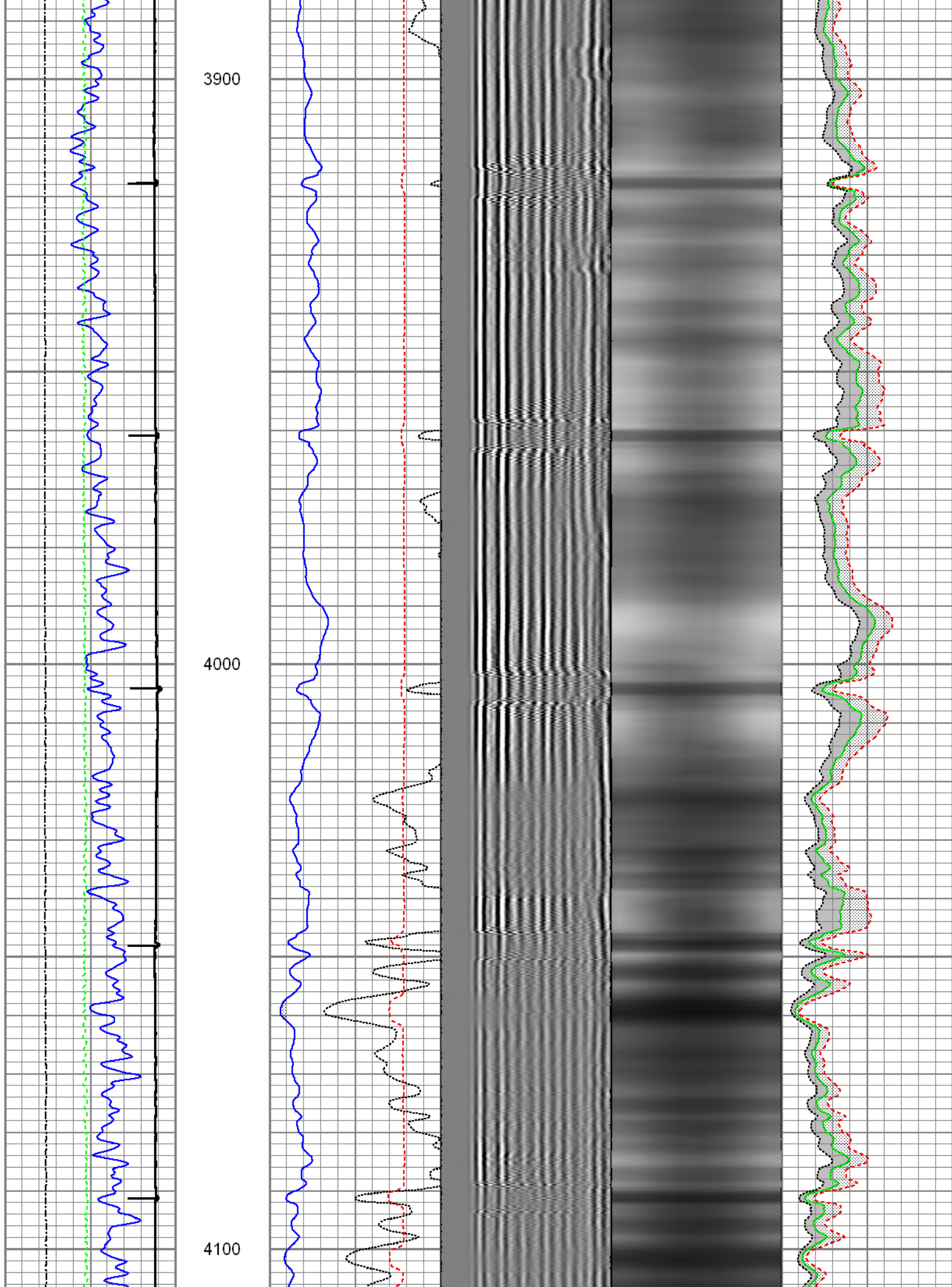


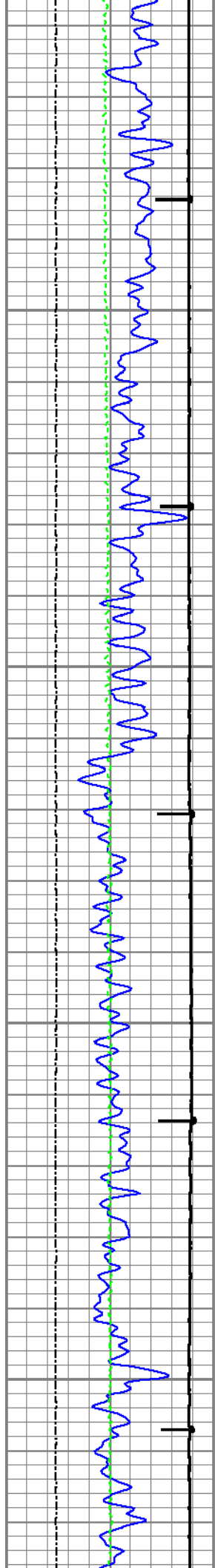


3900

4000

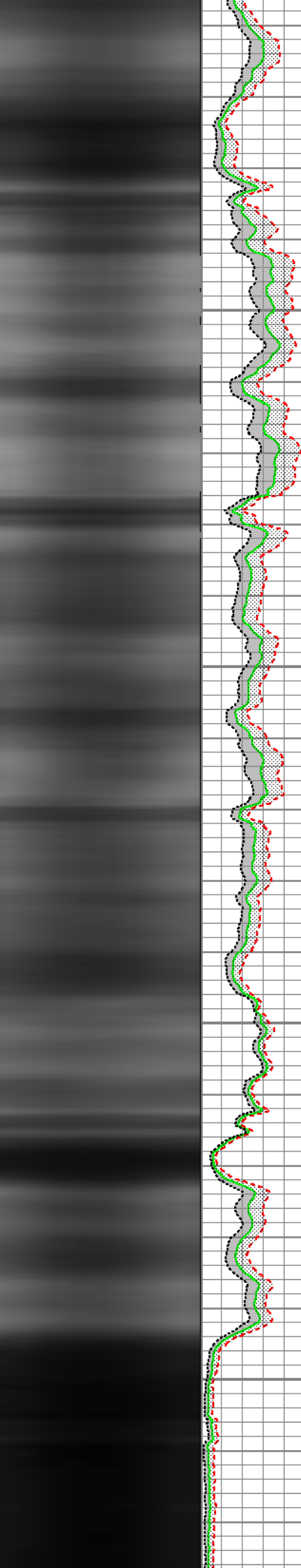
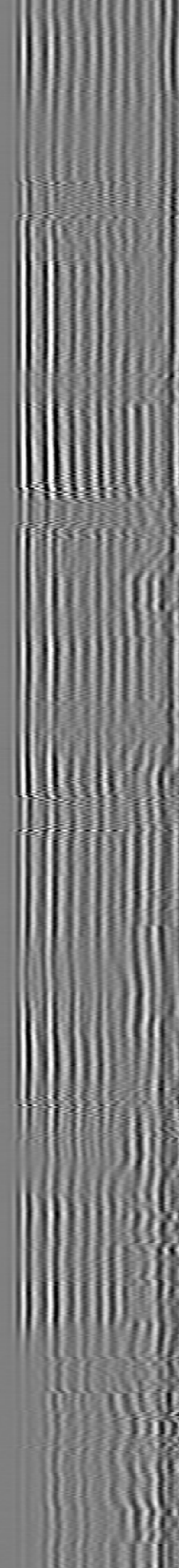
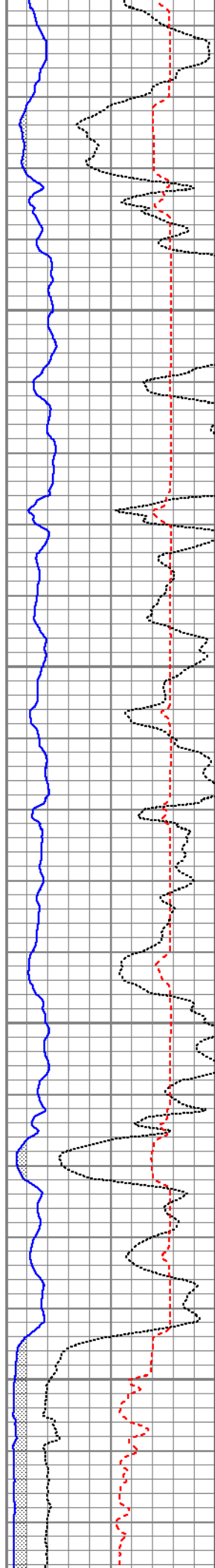
4100

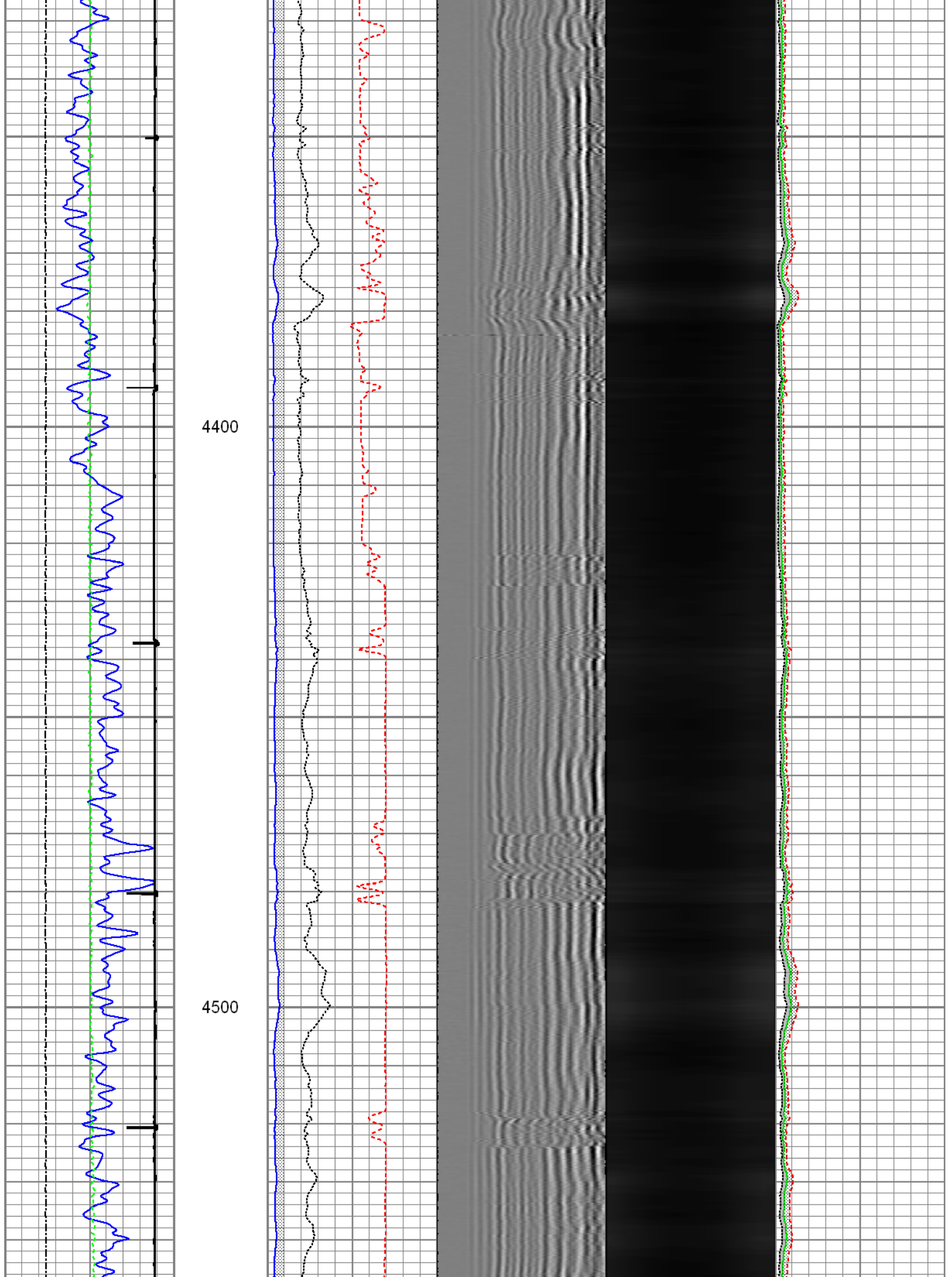


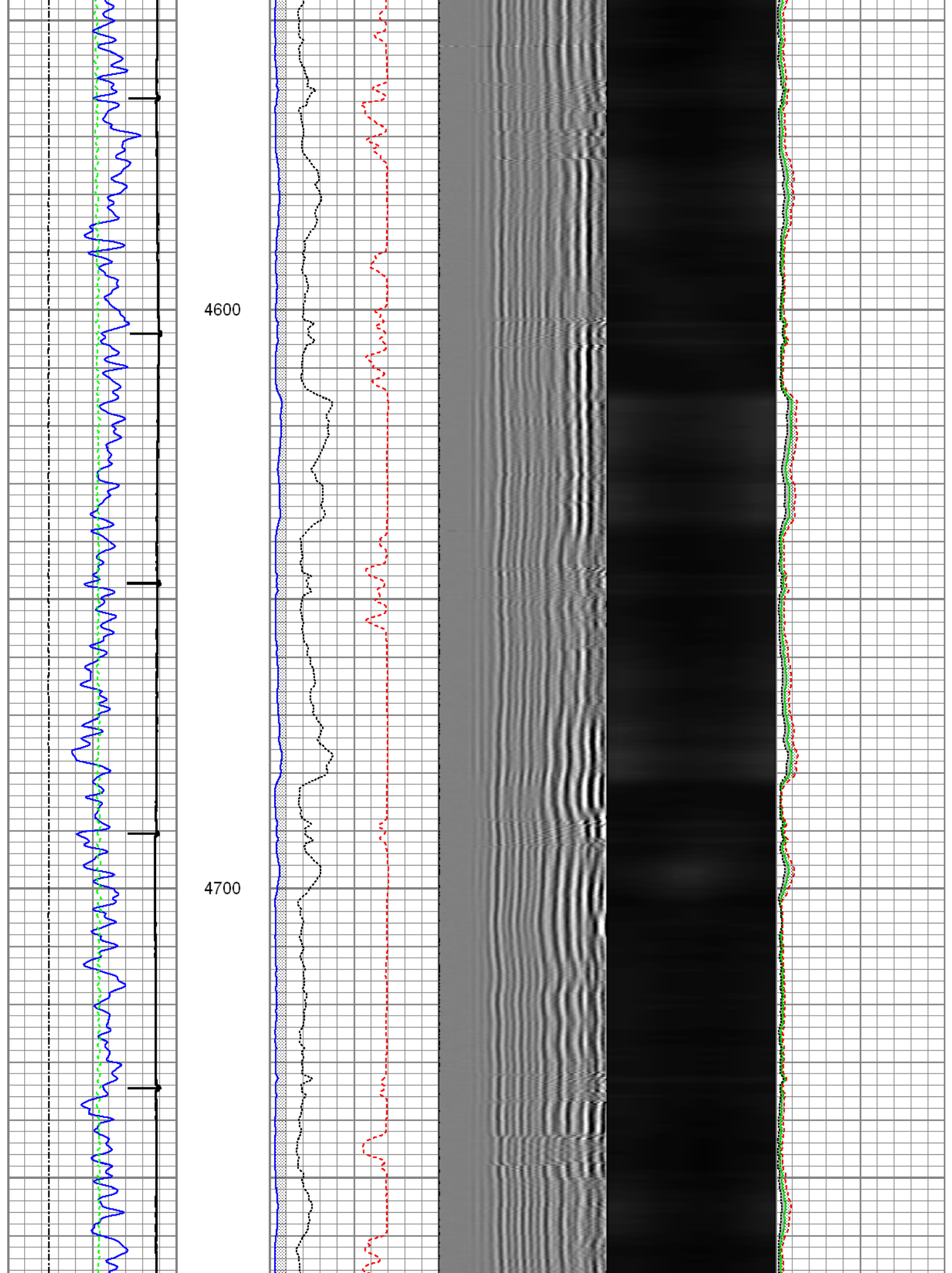


4200

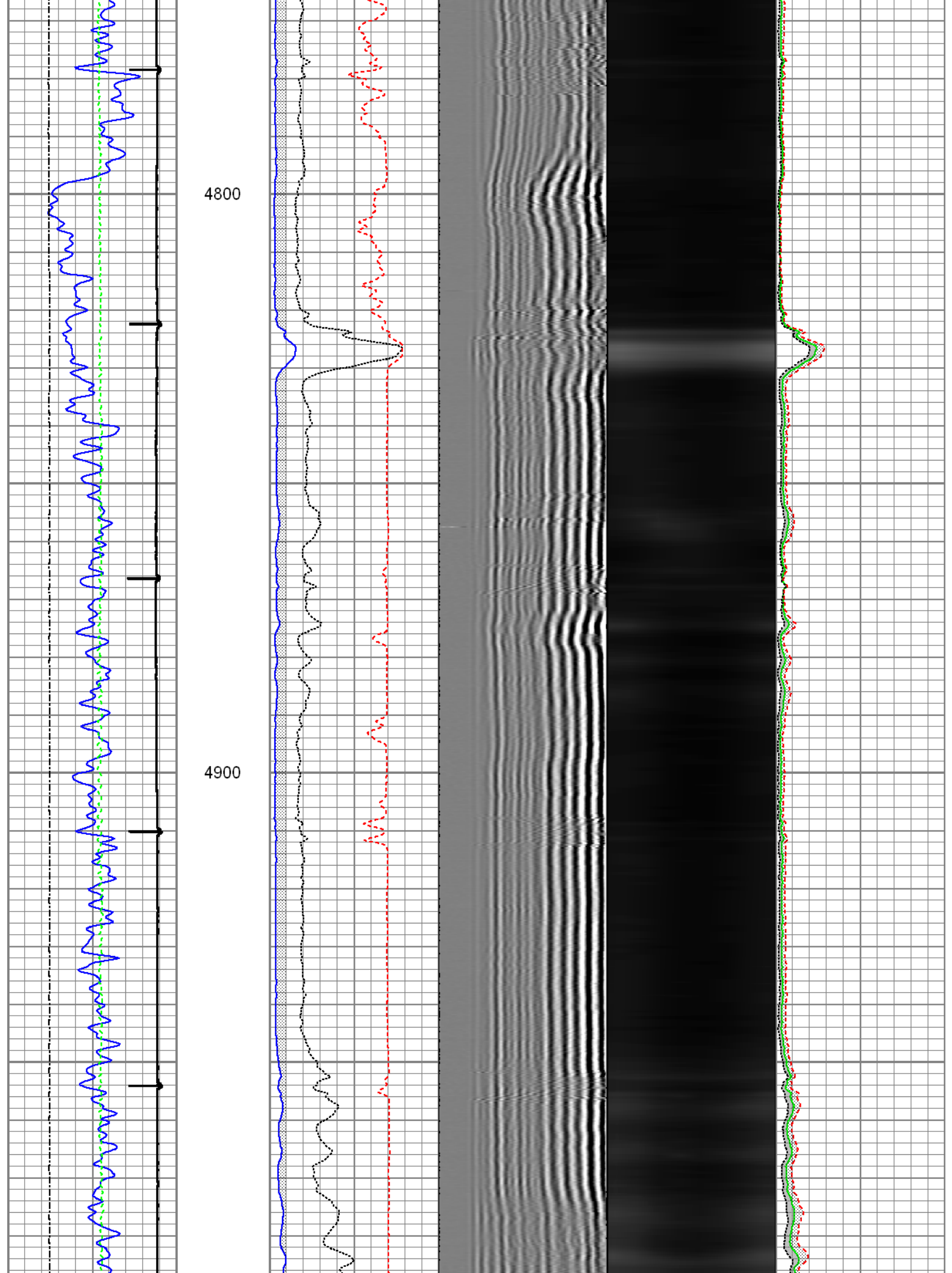
4300



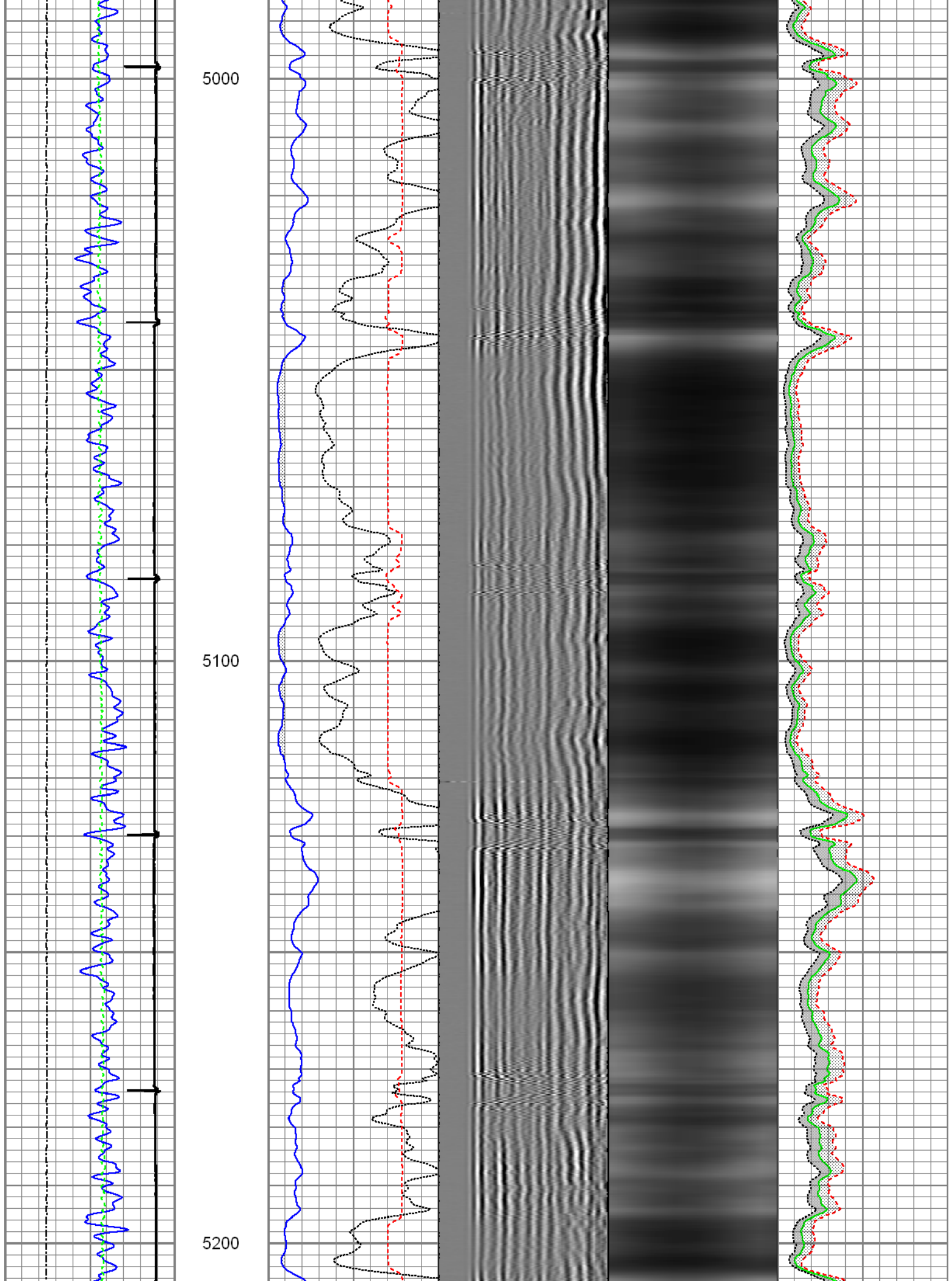


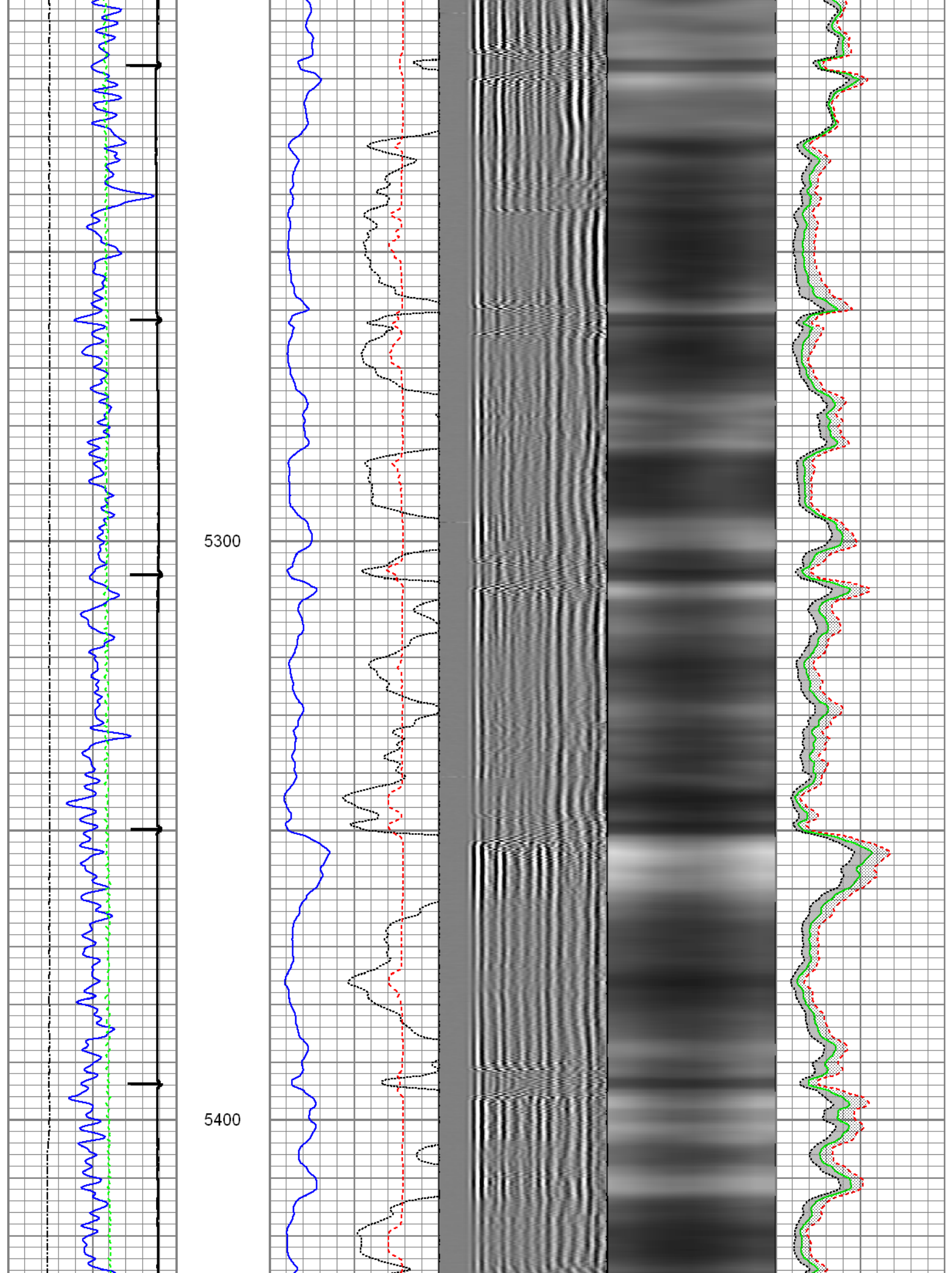


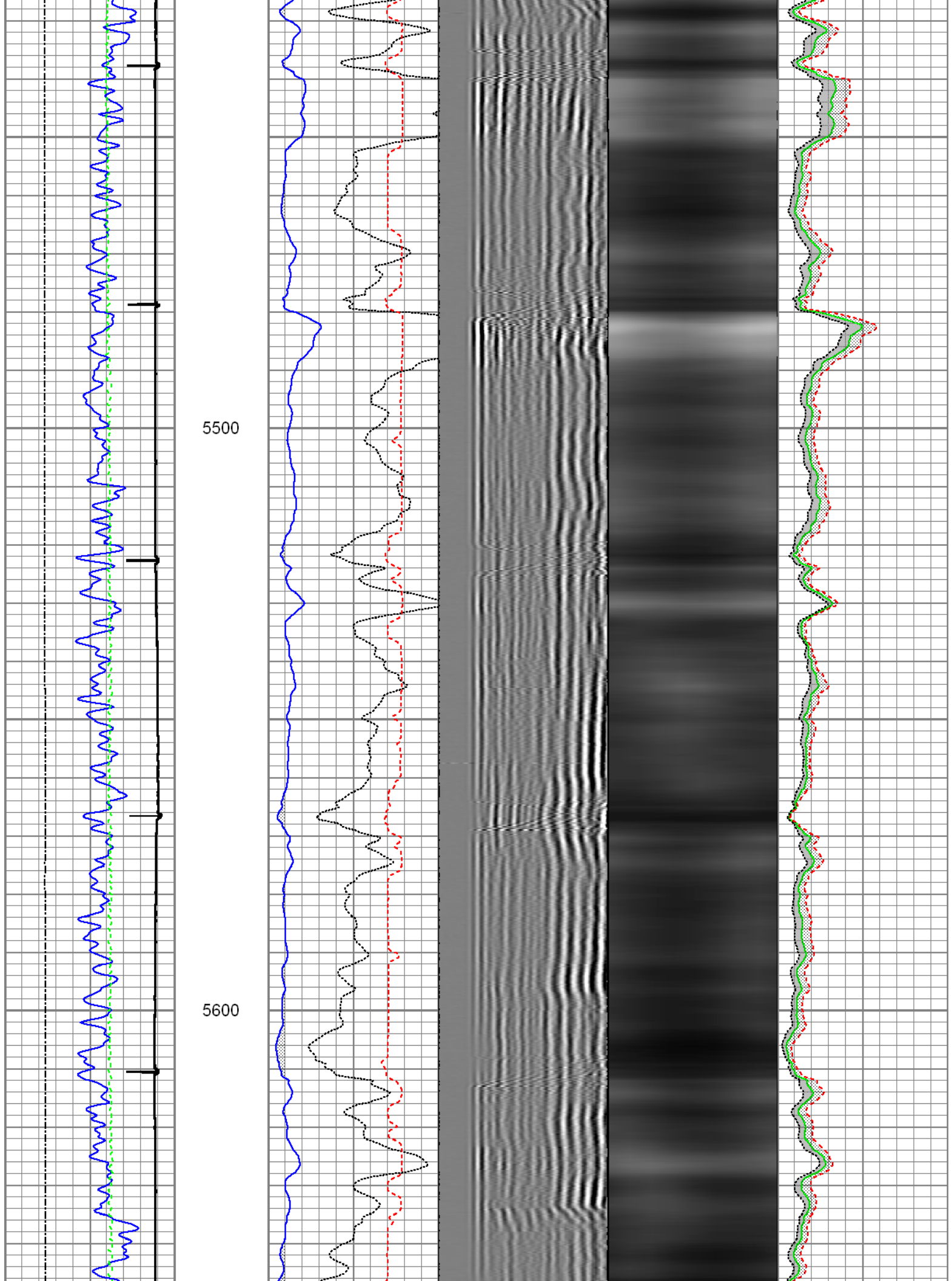




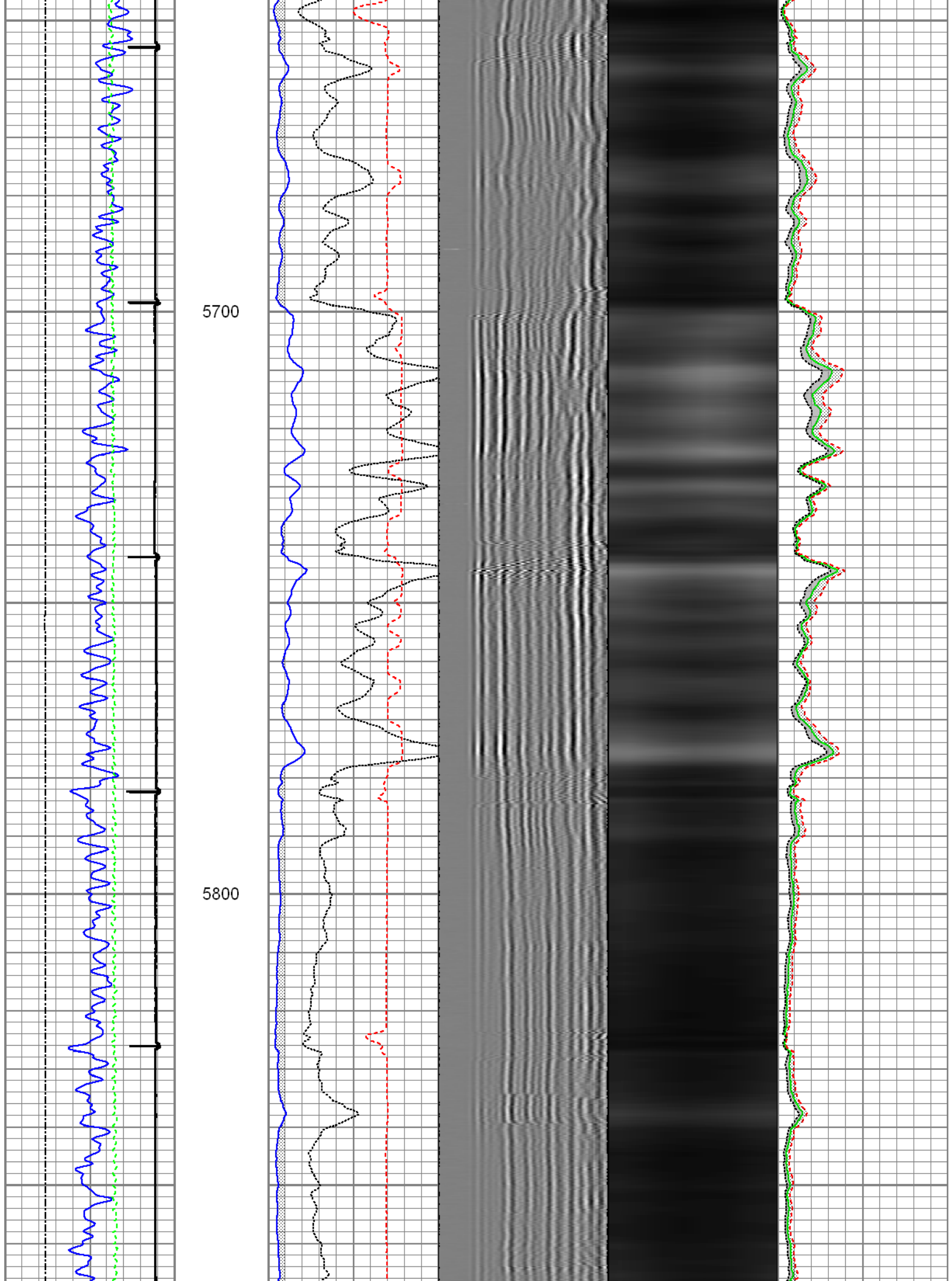




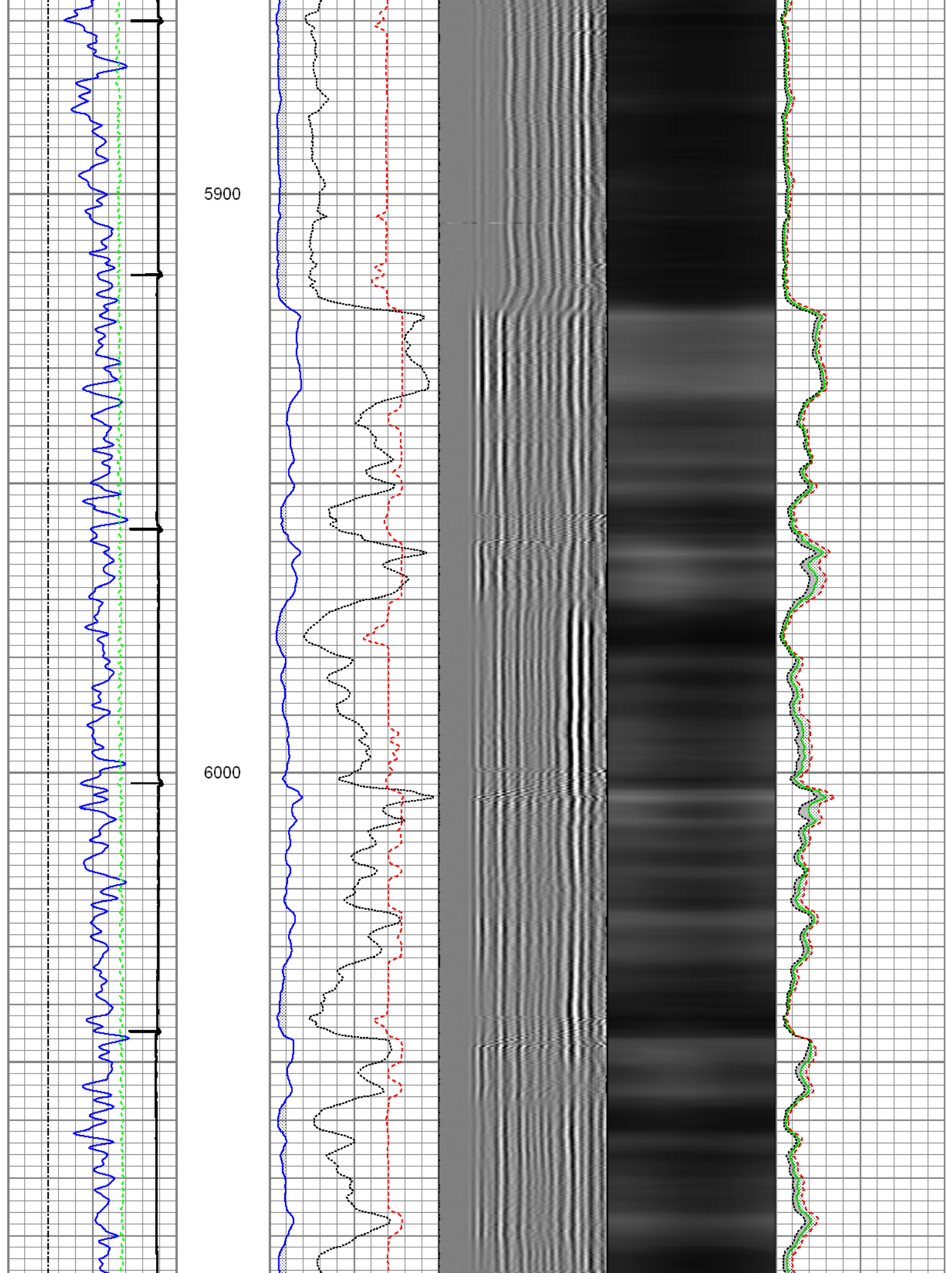








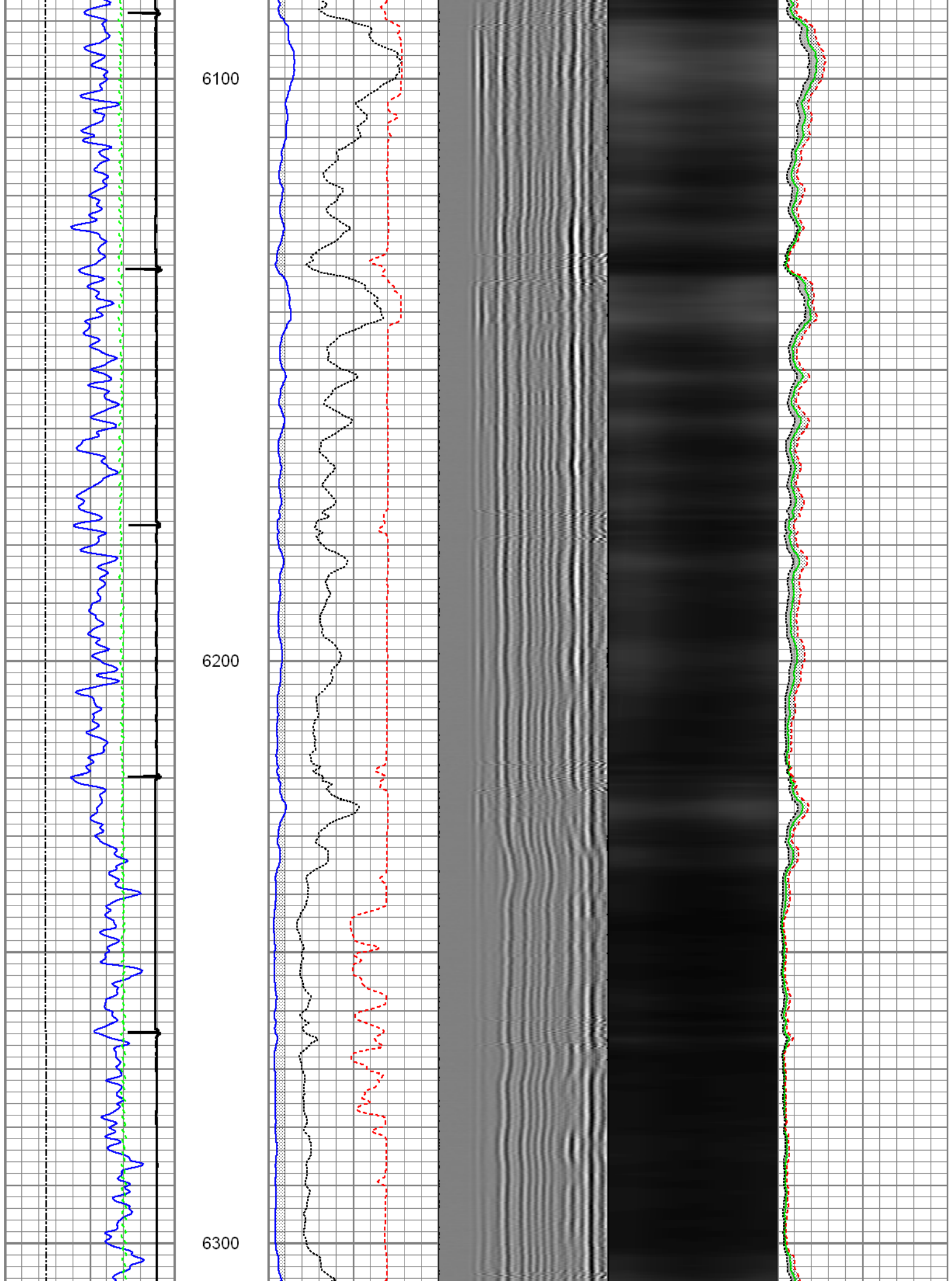


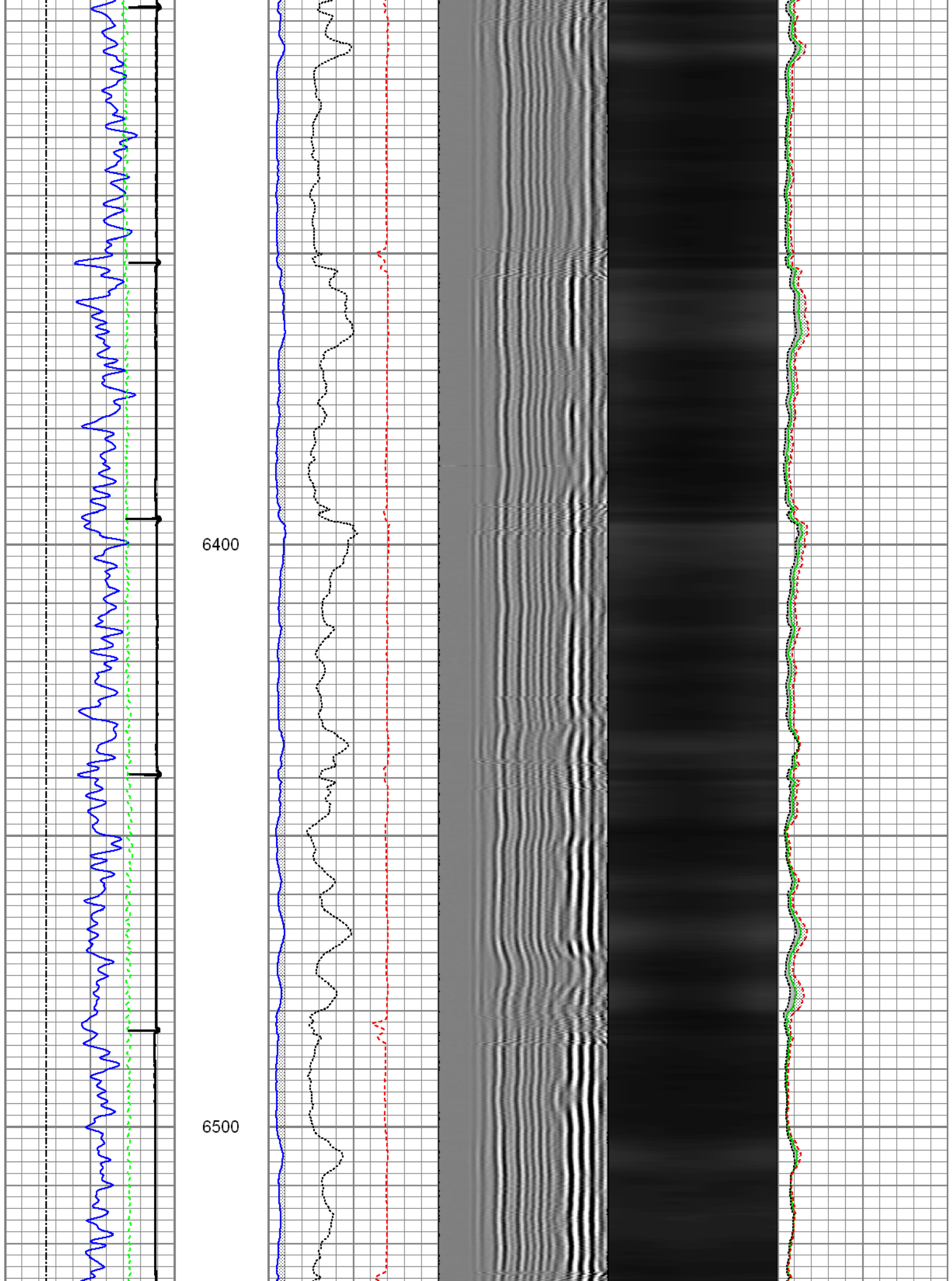


6100

6200

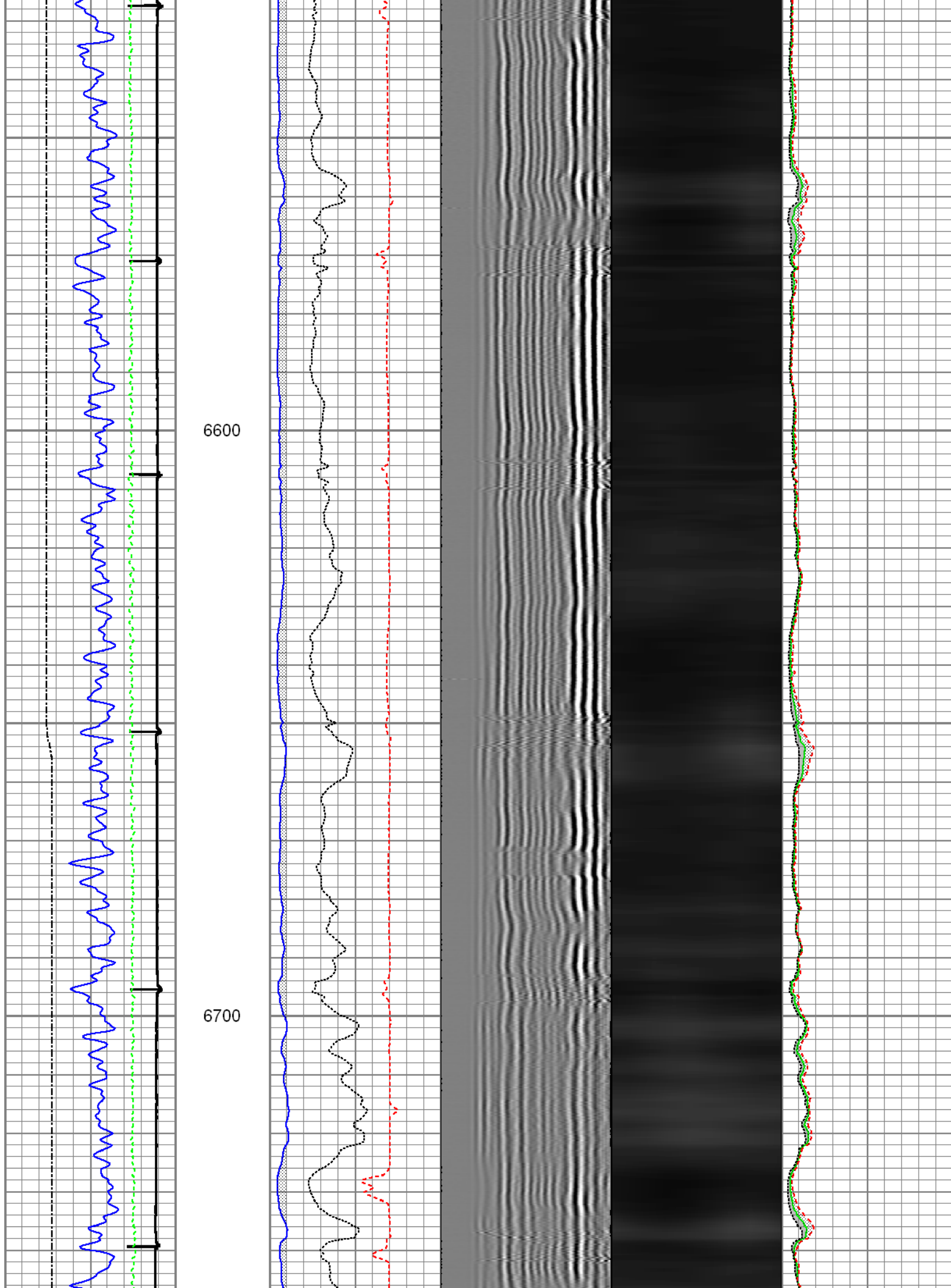
6300



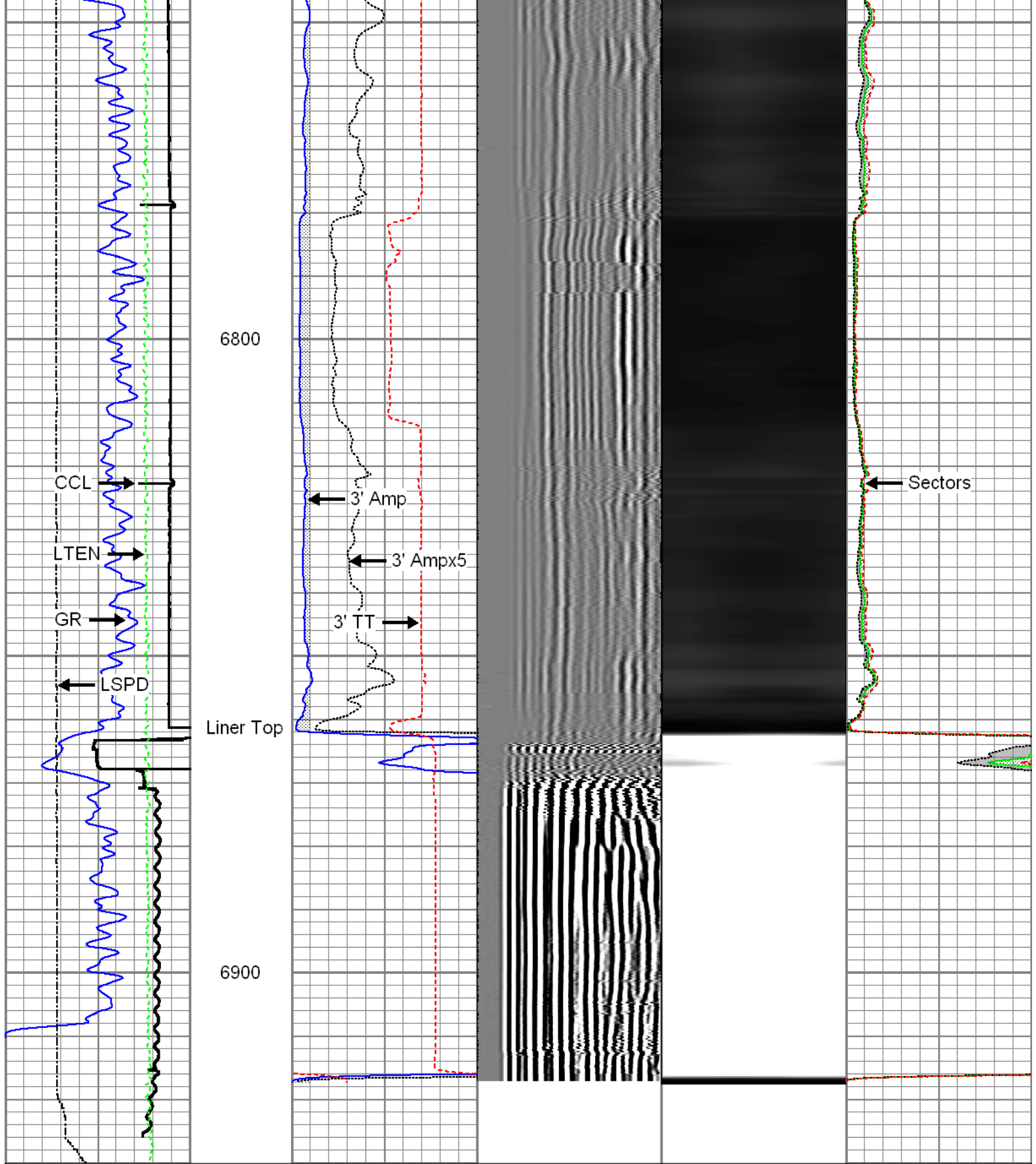


6600

6700







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

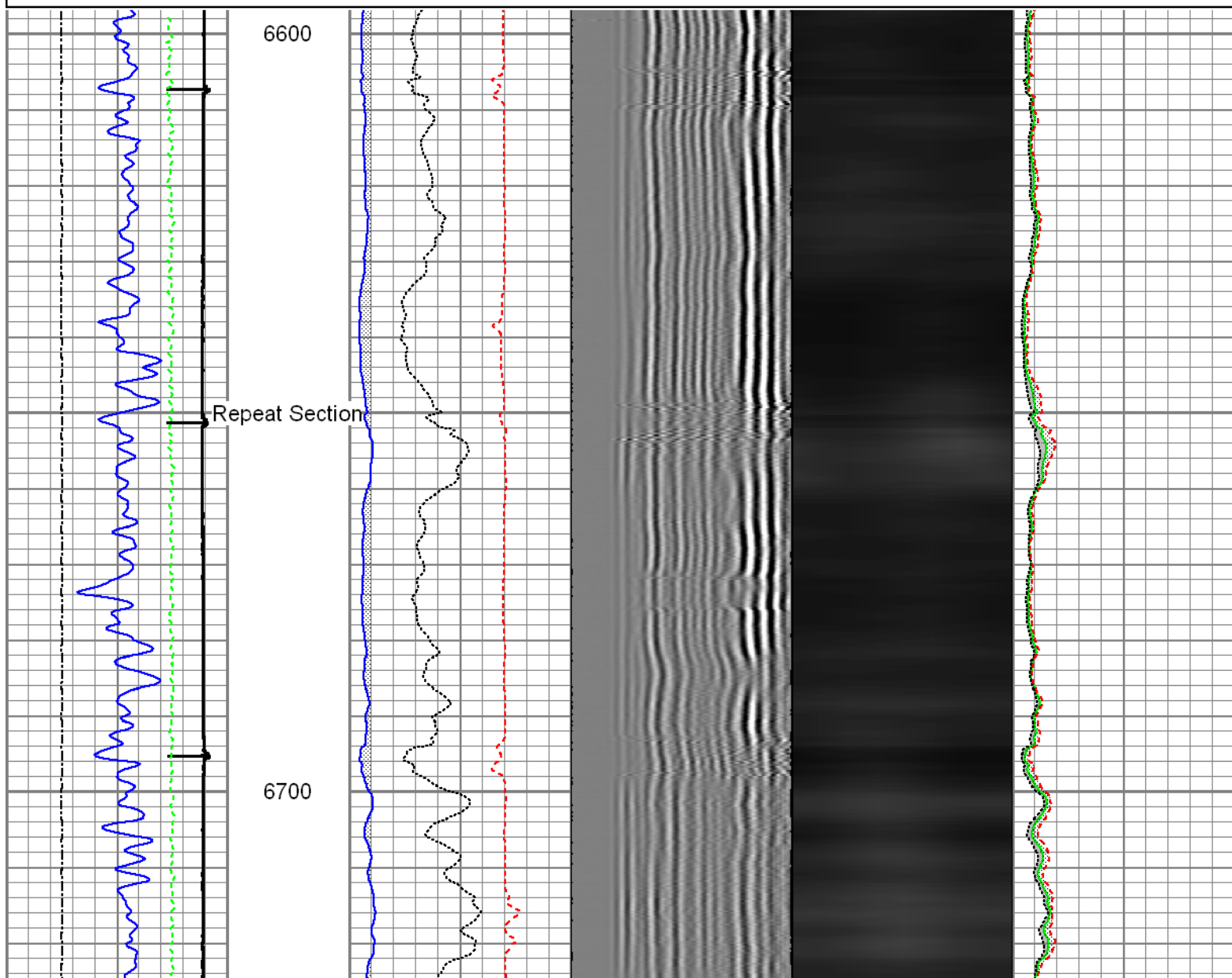


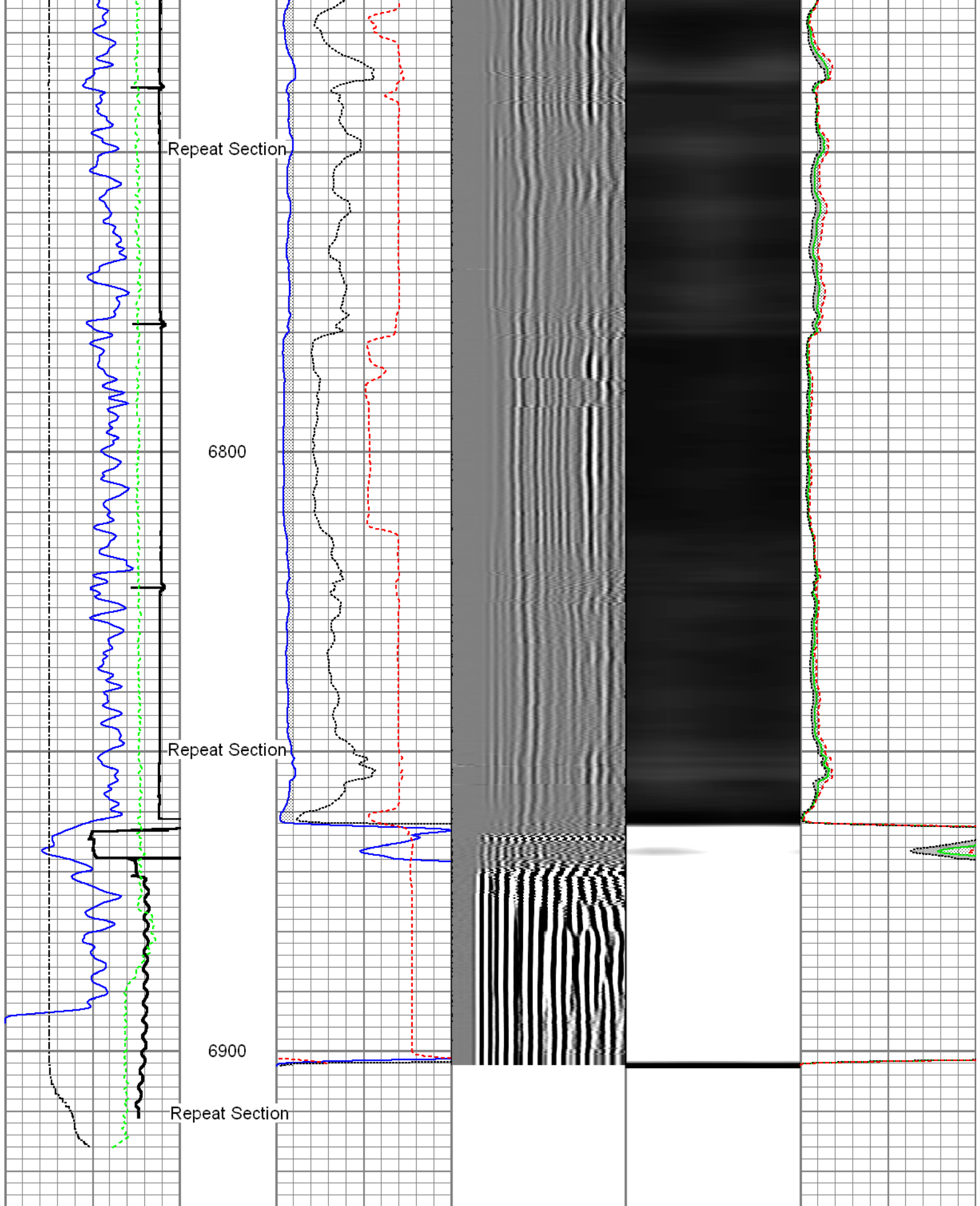
## Repeat Pass

Logged with 2800 PSI Surface Induced Pressure

Database File: 0512339191\_anadarko\_barefoot 31c-25hz\_09-19-14\_mit\_rbl.db  
Dataset Pathname: repeat1  
Presentation Format: rbt4\_mit  
Dataset Creation: Fri Sep 19 15:22:31 2014 by Log SCH 111116  
Charted by: Depth in Feet scaled 1:240

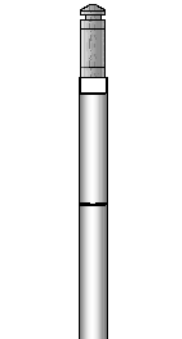
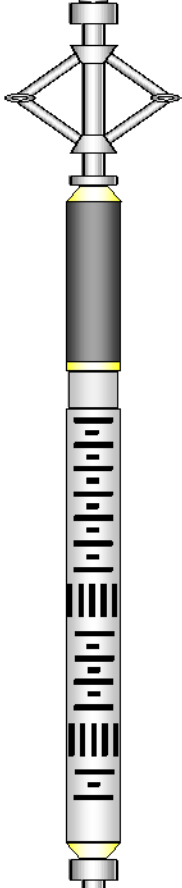
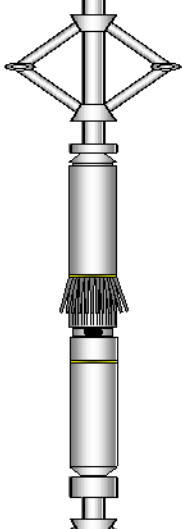
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
Line Speed	0 (mV) 20			0 100
-100 (ft/min) 100	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000				



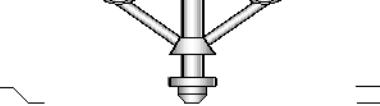


Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
Line Speed	0 (mV) 20			0 100

Line Speed			3' Travel Time			Maximum Amplitude		
-100	(ft/min)	100	650	(usec)	150	0		100
Line Tension								
0	(lb)	2000						

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					
WVFS5FT	13.99					
MIT	4.97		UW_PRC #3 -DSSRAC (081) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
			UW_MIT-UW_MIT40_027 (211111) 40 Multifinger Imaging Tool	4.54	2.75	61.10
			UW_PRC-DSSRAC (082)	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: 0512339191_anadarko_barefoot 31c-25hz_09-19-14_mit_rbl.db: field/well/run1/main1 Total Length: 26.62 ft Total Weight: 319.30 lb O.D. 3.13 in						

Calibration Report	
Database File:	0512339191_anadarko_barefoot 31c-25hz_09-19-14_mit_rbl.db
Dataset Pathname:	main1
Dataset Creation:	Fri Sep 19 15:38:52 2014 by Log SCH 111116

Multi-finger Imaging Tool Calibration Report
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Serial Number:	211111
Number of Fingers:	40
Tool Model:	UW_MIT40_027

Inclinometer Calibration Report		
Performed:	Mon Nov 18 15:31:59 2013	
Calibration Angle:	46	
	Inc X	Inc Y
Vertical:	1931	1952
Finger 1 up:	1959	2266
Finger 31 up:	1608	1962
Finger 21 up:	1927	1623
Finger 11 up:	2253	1930
Sensitivity ratio:	1.0031	
X-axis angle:	272.845	
Deviation const.:	311.818	

Finger Calibration Report
Performed: Fri Sep 19 14:19:17 2014

Ring size:	4		5		6		7
(in)		Sens		Sens		Sens	
Finger 01:	969	350.0	1319	406.0	1725	441.0	2166
Finger 02:	1003	346.0	1349	404.0	1753	432.0	2185
Finger 03:	997	342.0	1339	406.0	1745	432.0	2177
Finger 04:	957	342.0	1299	404.0	1703	433.0	2136
Finger 05:	982	340.0	1322	400.0	1722	421.0	2143
Finger 06:	970	348.0	1318	408.0	1726	424.0	2150
Finger 07:	1094	313.0	1407	373.0	1780	390.0	2170
Finger 08:	1001	335.0	1336	402.0	1738	417.0	2155
Finger 09:	996	343.0	1339	404.0	1743	415.0	2158
Finger 10:	1039	304.0	1343	356.0	1699	358.0	2057
Finger 11:	1094	354.0	1448	403.0	1851	404.0	2255
Finger 12:	1168	371.0	1539	417.0	1956	414.0	2370
Finger 13:	1099	338.0	1437	391.0	1828	397.0	2225
Finger 14:	1200	325.0	1525	368.0	1893	366.0	2259
Finger 15:	1032	361.0	1393	412.0	1805	424.0	2229
Finger 16:	1143	353.0	1496	425.0	1921	388.0	2309
Finger 17:	1056	362.0	1418	405.0	1823	418.0	2241
Finger 18:	1033	371.0	1404	411.0	1815	418.0	2233
Finger 19:	1035	370.0	1405	414.0	1819	428.0	2247
Finger 20:	1101	362.0	1463	391.0	1854	404.0	2258
Finger 21:	1091	373.0	1464	403.0	1867	419.0	2286
Finger 22:	1104	374.0	1478	399.0	1877	419.0	2296
Finger 23:	1072	371.0	1443	413.0	1856	436.0	2292
Finger 24:	1237	347.0	1584	365.0	1949	387.0	2336
Finger 25:	1206	364.0	1570	389.0	1959	403.0	2362
Finger 26:	1216	351.0	1567	361.0	1928	378.0	2306

Finger 26:	1216	351.0	1567	361.0	1928	378.0	2306
Finger 27:	1183	349.0	1532	372.0	1904	400.0	2304
Finger 28:	1229	354.0	1583	366.0	1949	389.0	2338
Finger 29:	1213	347.0	1560	365.0	1925	391.0	2316
Finger 30:	1183	340.0	1523	362.0	1885	403.0	2288
Finger 31:	1198	347.0	1545	371.0	1916	401.0	2317
Finger 32:	1214	337.0	1551	353.0	1904	384.0	2288
Finger 33:	1041	364.0	1405	413.0	1818	461.0	2279
Finger 34:	1071	353.0	1424	388.0	1812	437.0	2249
Finger 35:	1174	333.0	1507	364.0	1871	407.0	2278
Finger 36:	1112	337.0	1449	371.0	1820	327.0	2147
Finger 37:	1046	355.0	1401	395.0	1796	433.0	2229
Finger 38:	1048	346.0	1394	387.0	1781	423.0	2204
Finger 39:	1056	359.0	1415	409.0	1824	438.0	2262
Finger 40:	965	348.0	1313	399.0	1712	437.0	2149

#### Segmented Cement Bond Log Calibration Report

Serial Number: 10013454  
Tool Model: UW\_RBT\_004

Calibration Casing Diameter: 7.000 in  
Calibration Depth: 2168.958 ft

Master Calibration, performed Fri Sep 19 14:53:11 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.004	0.724	0.800	62.165	85.234	0.451
5FT	-0.000	0.799	0.800	62.165	76.770	0.832
S1	0.011	0.697	0.000	100.000	145.973	-1.677
S2	0.009	0.727	0.000	100.000	139.136	-1.214
S3	0.011	0.752	0.000	100.000	135.006	-1.483
S4	0.010	0.757	0.000	100.000	133.717	-1.272
S5	0.012	0.742	0.000	100.000	137.004	-1.672
S6	0.011	0.716	0.000	100.000	141.829	-1.582
S7	0.011	0.689	0.000	100.000	147.593	-1.622
S8	0.008	0.684	0.000	100.000	147.905	-1.206

#### 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 & Gas Onshore LP  
Well Barefoot 31C-25HZ  
Field Wattenberg  
County Weld  
State Colorado