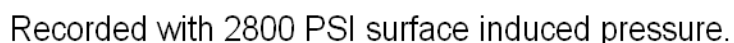


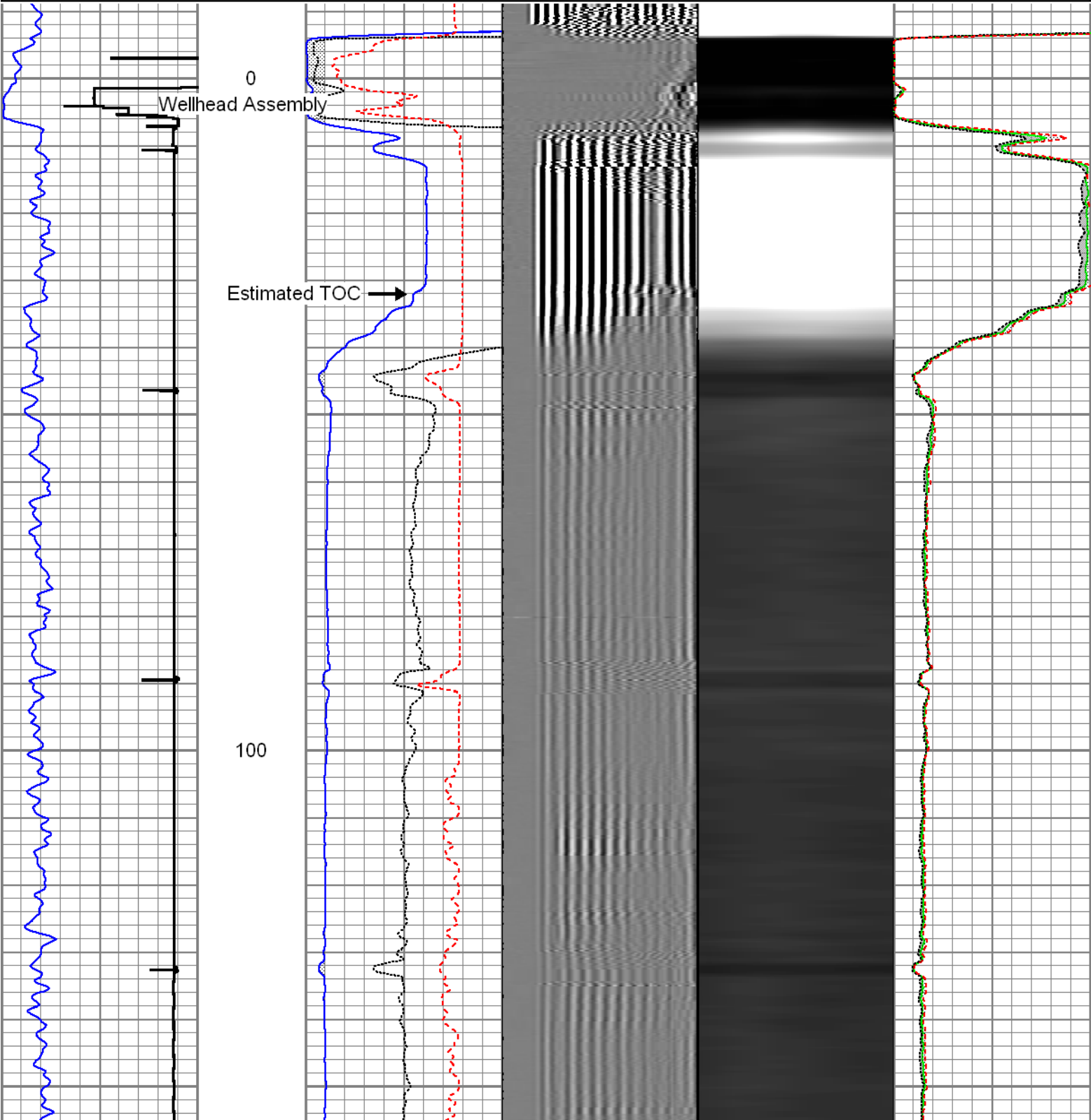


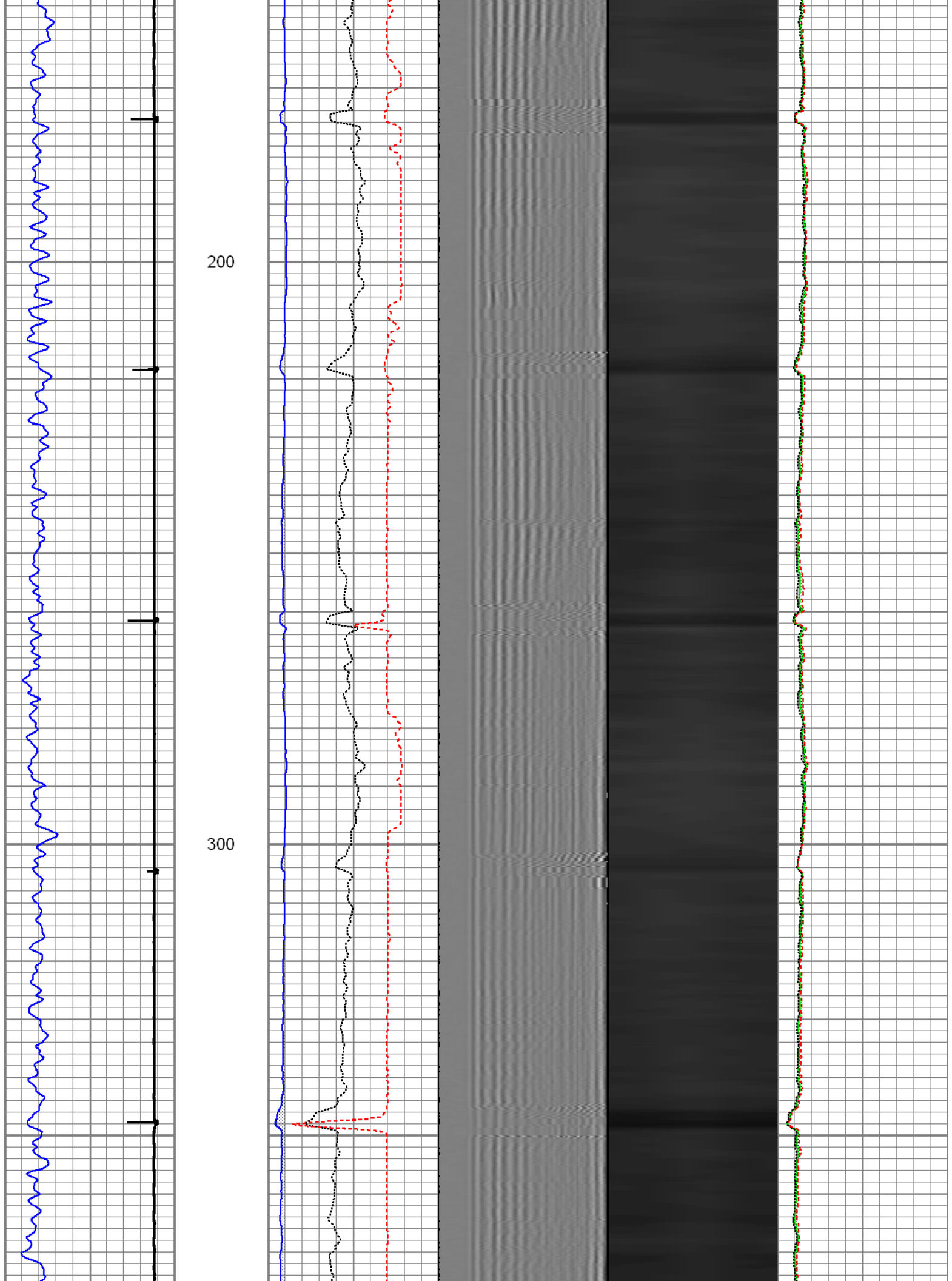
<<< Fold Here >>>
<p>All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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.</p>
Comments
<p>Log ran as per Customer request.</p> <p>All wireline depths measured from KB zero at 17 FT.</p> <p>Depth reference to Casing Tally reported Liner Top at 6580 FT.</p> <p>Adjusted log -12 FT from KB zero to correlate with Liner Top.</p> <p>Log ran from just below liner top to surface.</p> <p>Log ran with 2800 PSI surface induced pressure.</p> <p>There was no pressure repeat section run and the lower 200 Ft was logged at 0 Psi</p> <p>Thank you for choosing FMC Technologies Completion Services, Inc.!!</p>

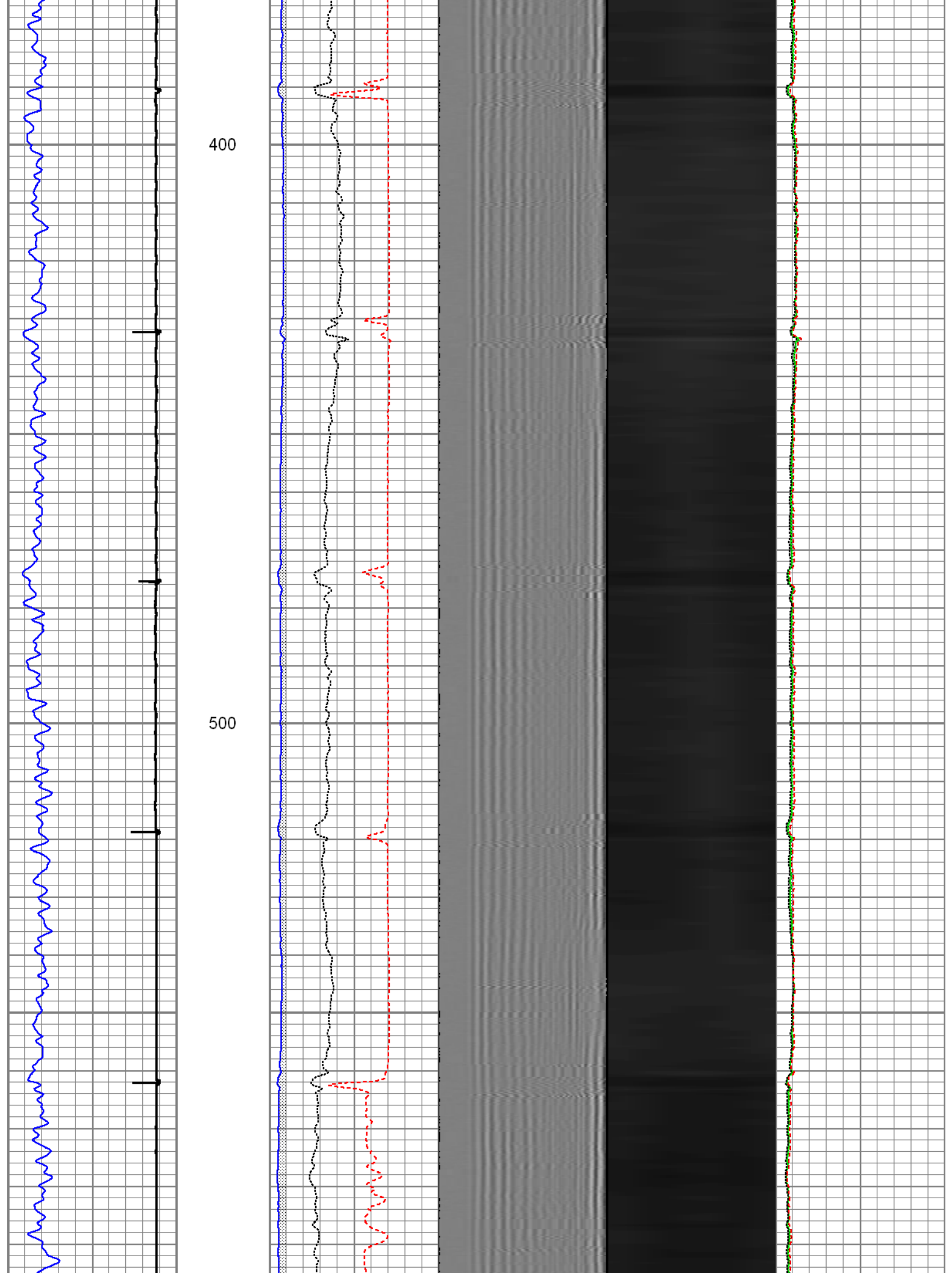


Database File: 0512338952\_anadarko\_houston 33c-8hz\_06-19-14\_mit\_rbl.db  
Dataset Pathname: pass3  
Presentation Format: rbt4\_mit  
Dataset Creation: Thu Jun 19 15:44:40 2014 by Log 7.0 B1  
Charted by: Depth in Feet scaled 1:240

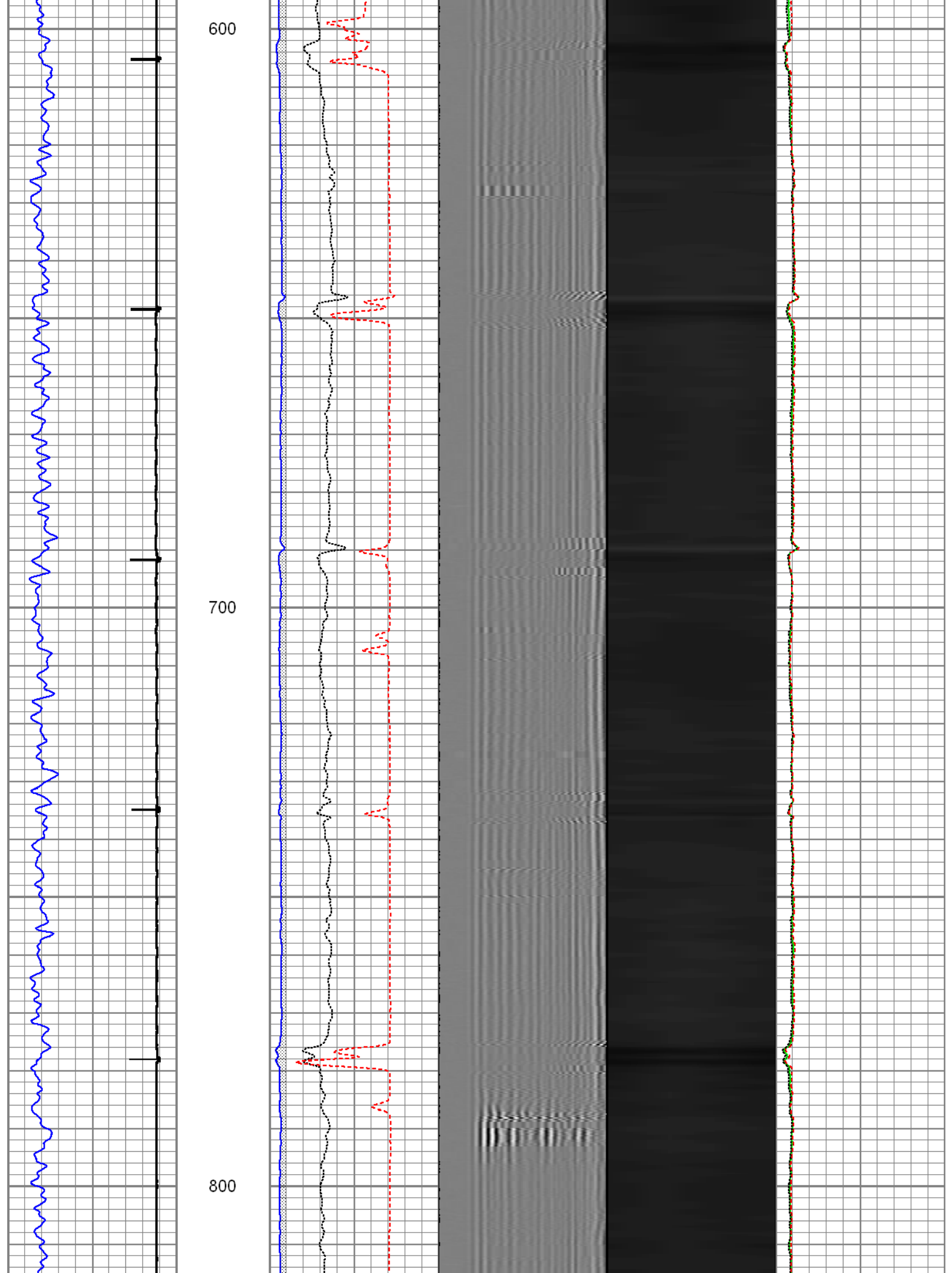
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
	0 (mV) 20			0 100
	3' Travel Time			Maximum Amplitude
	650 (usec) 150			0 100

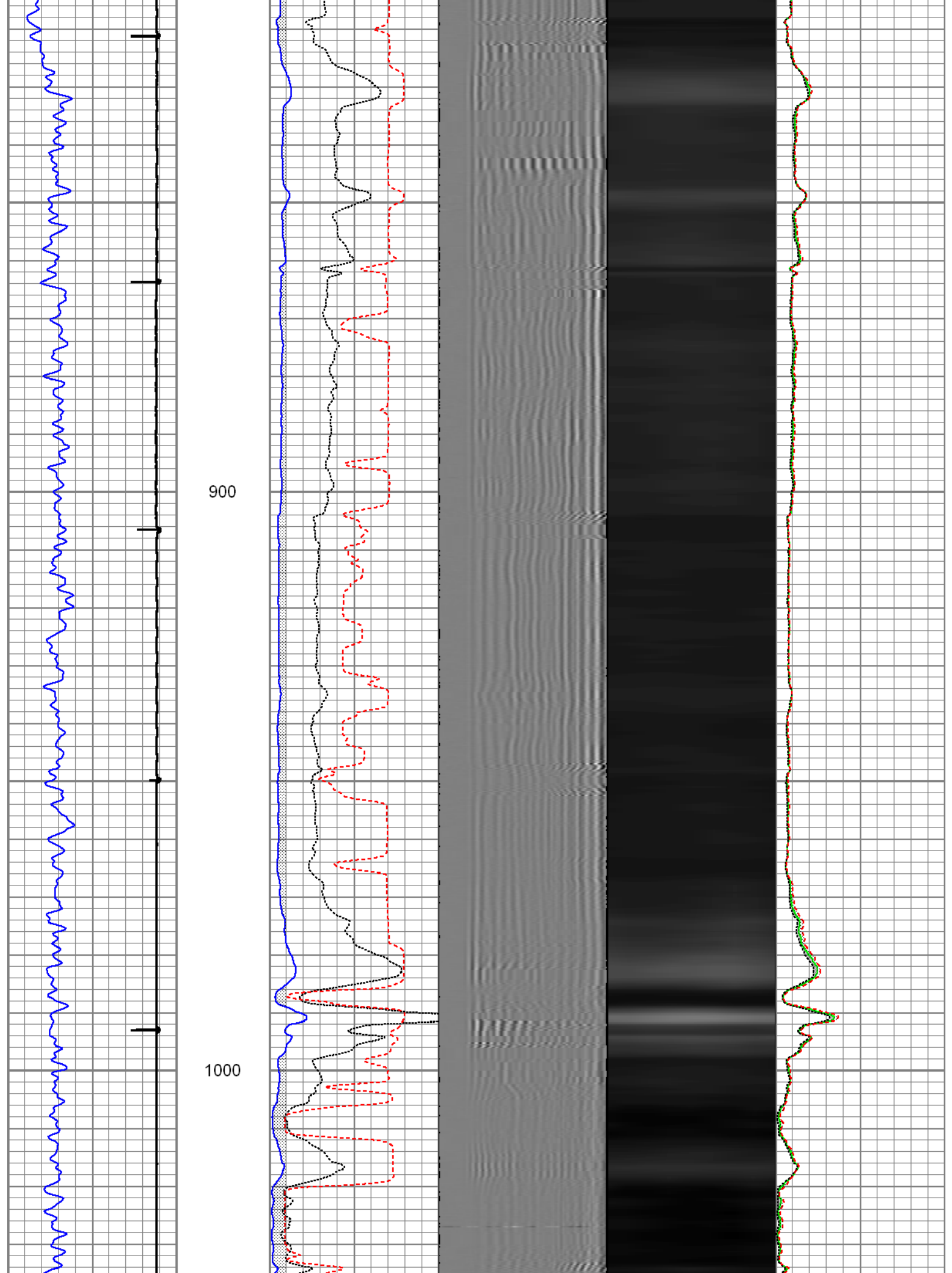


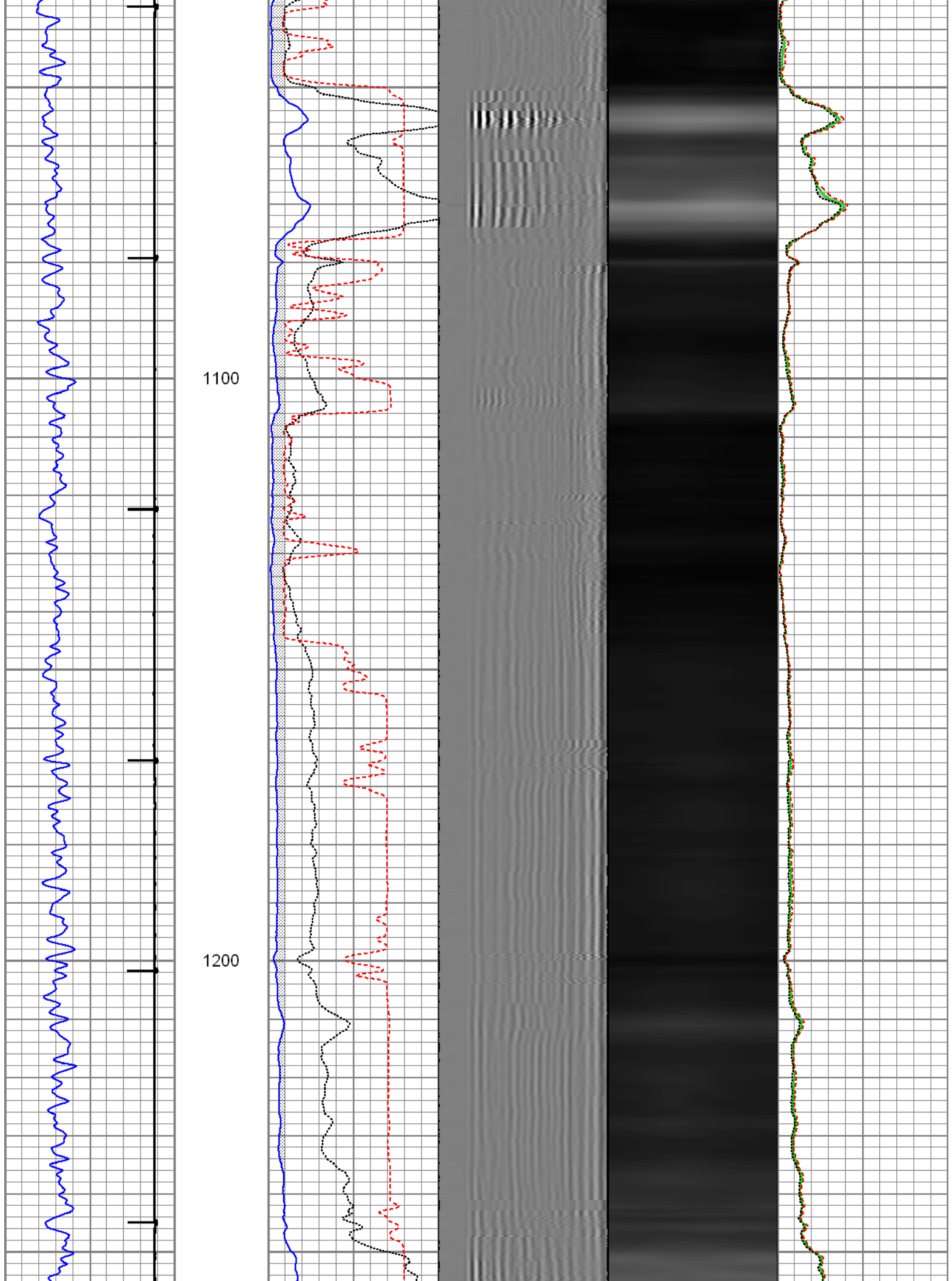


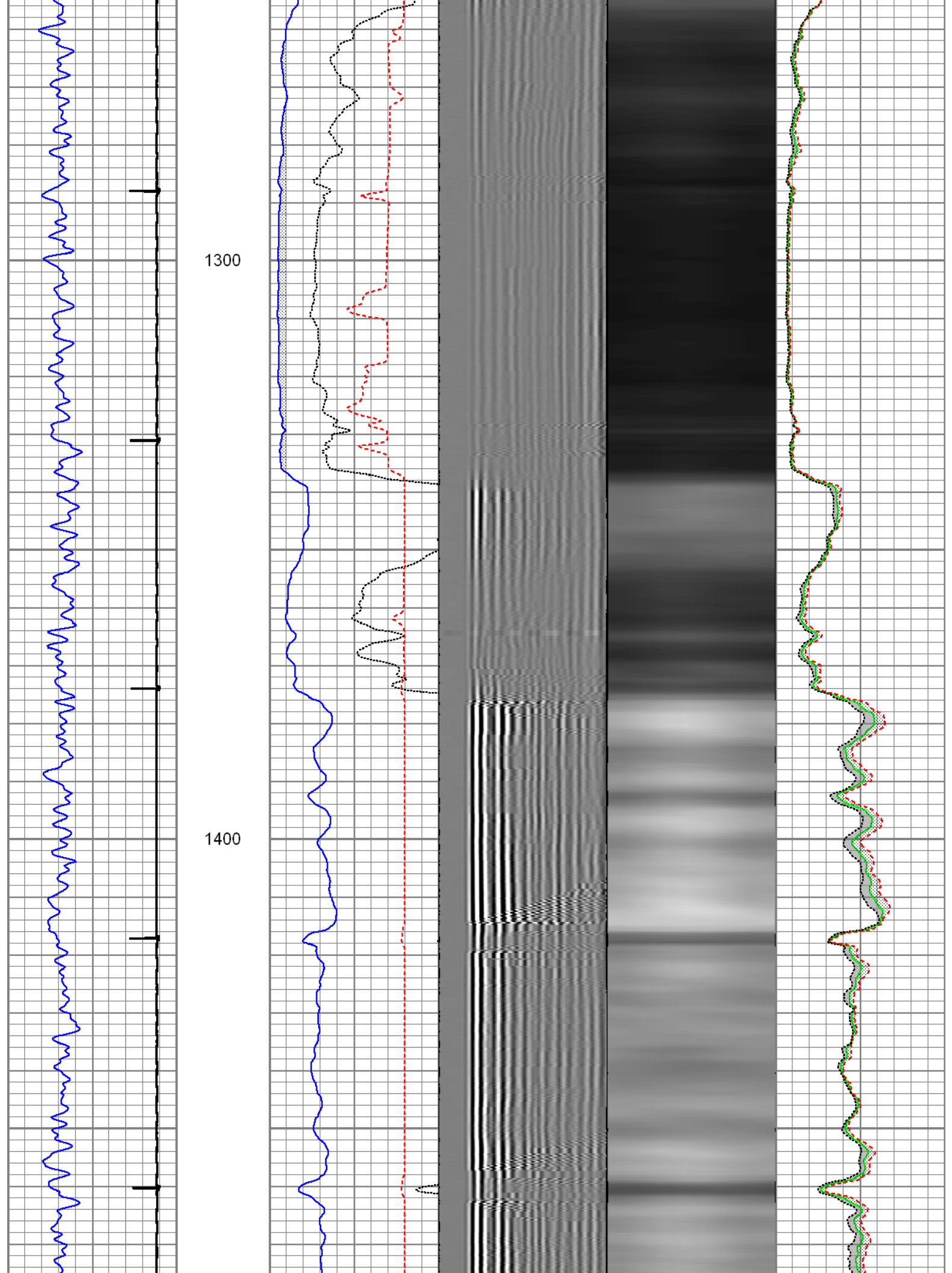


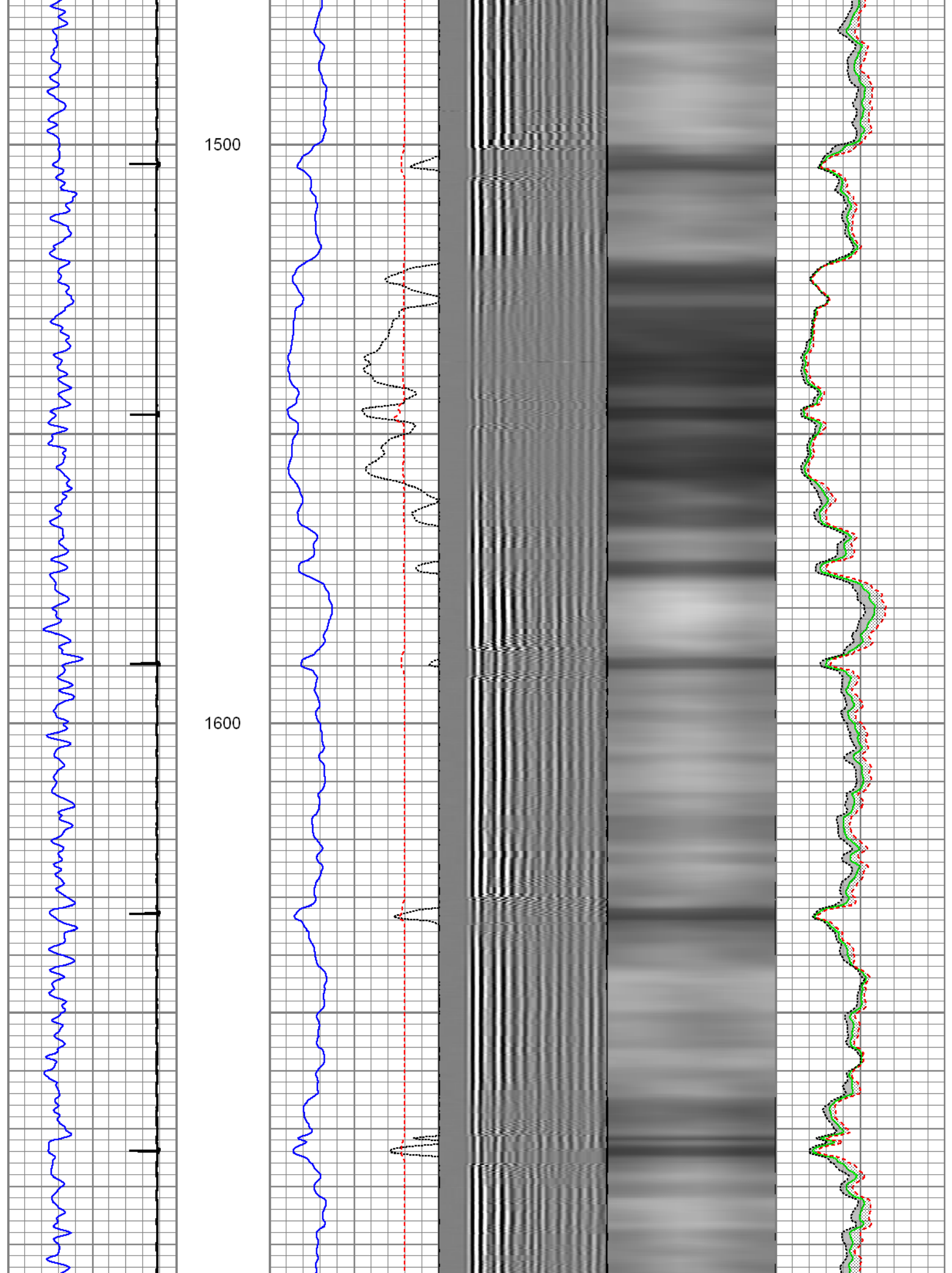










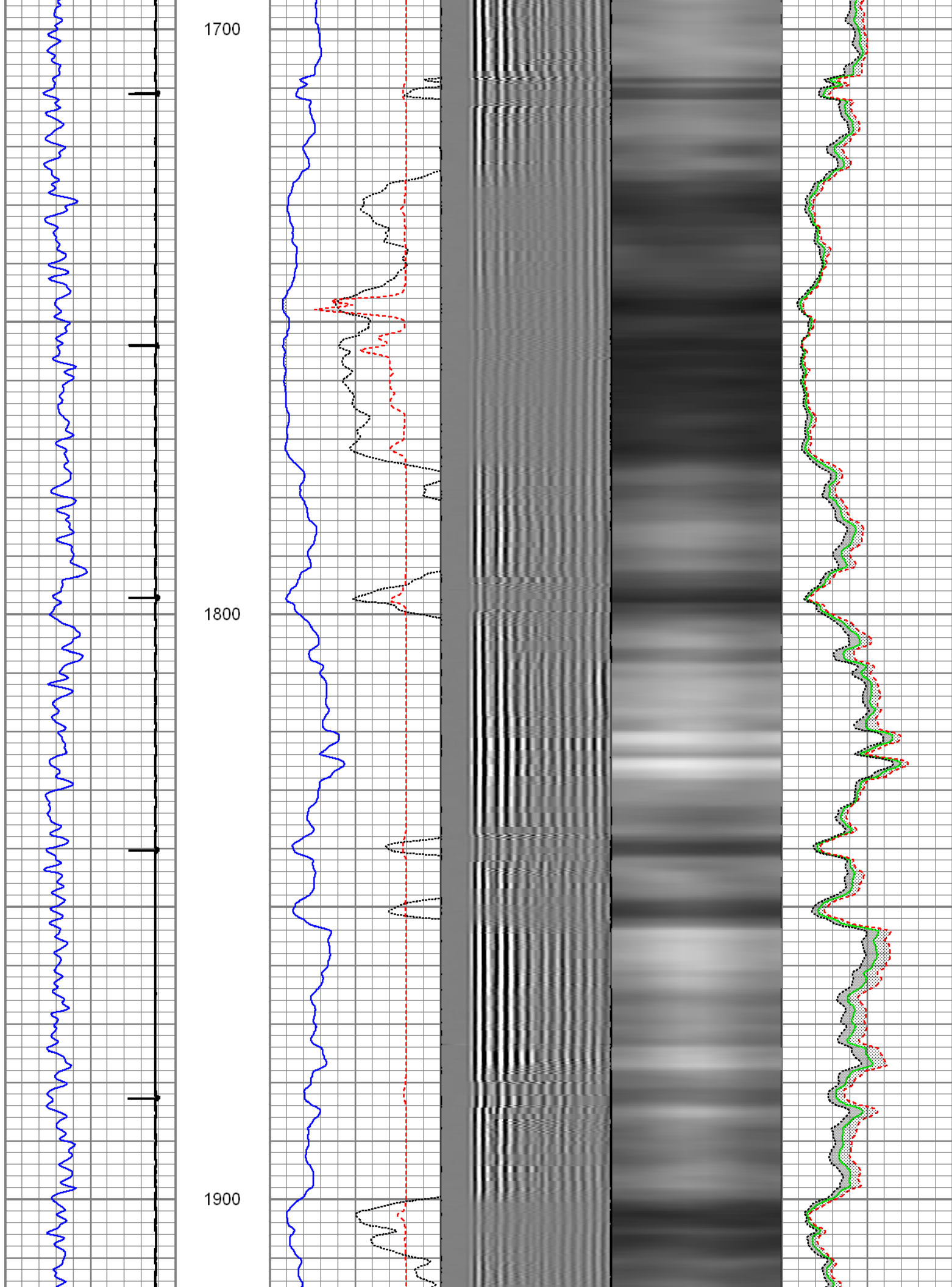




1700

1800

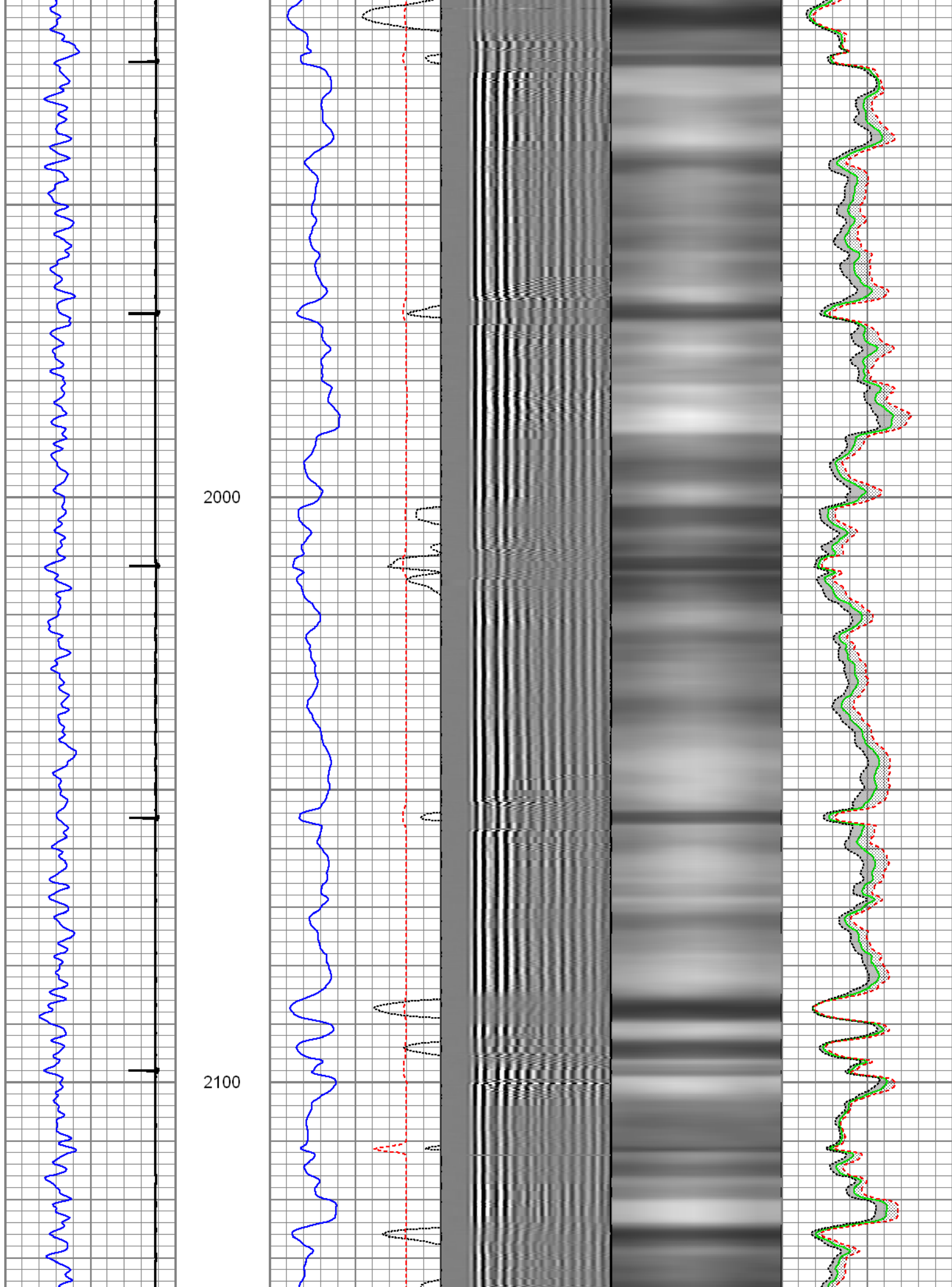
1900





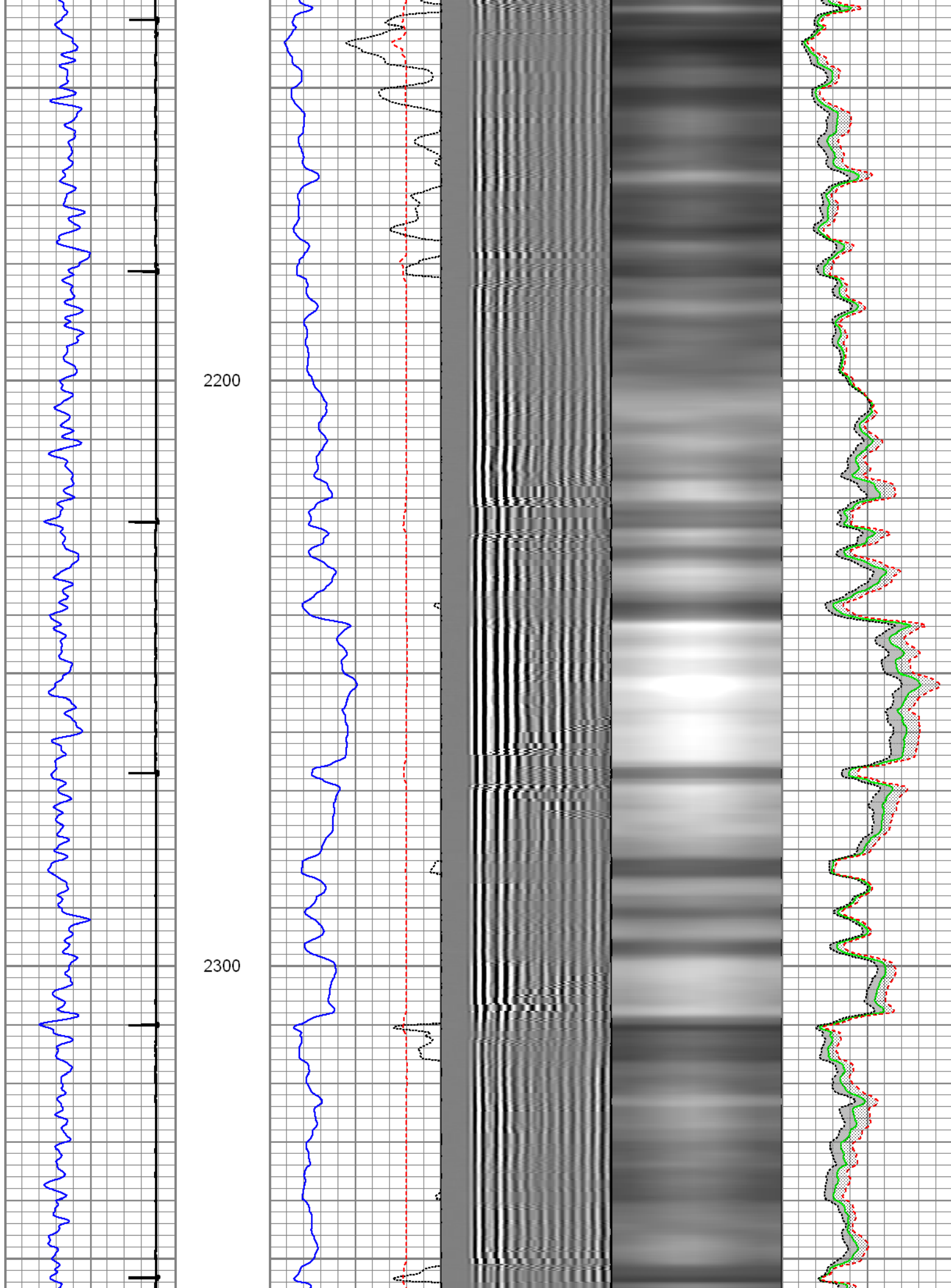
2000

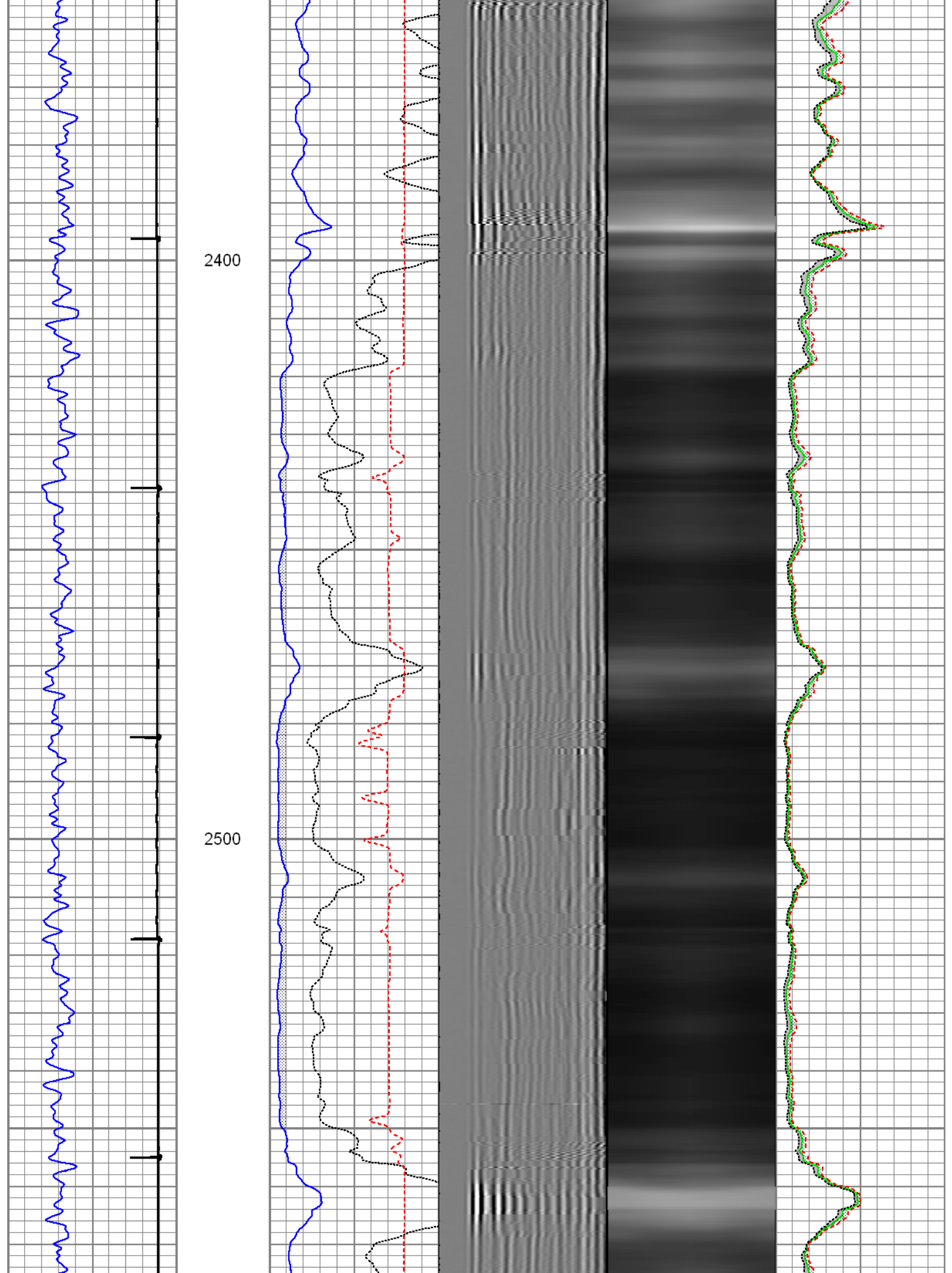
2100



2200

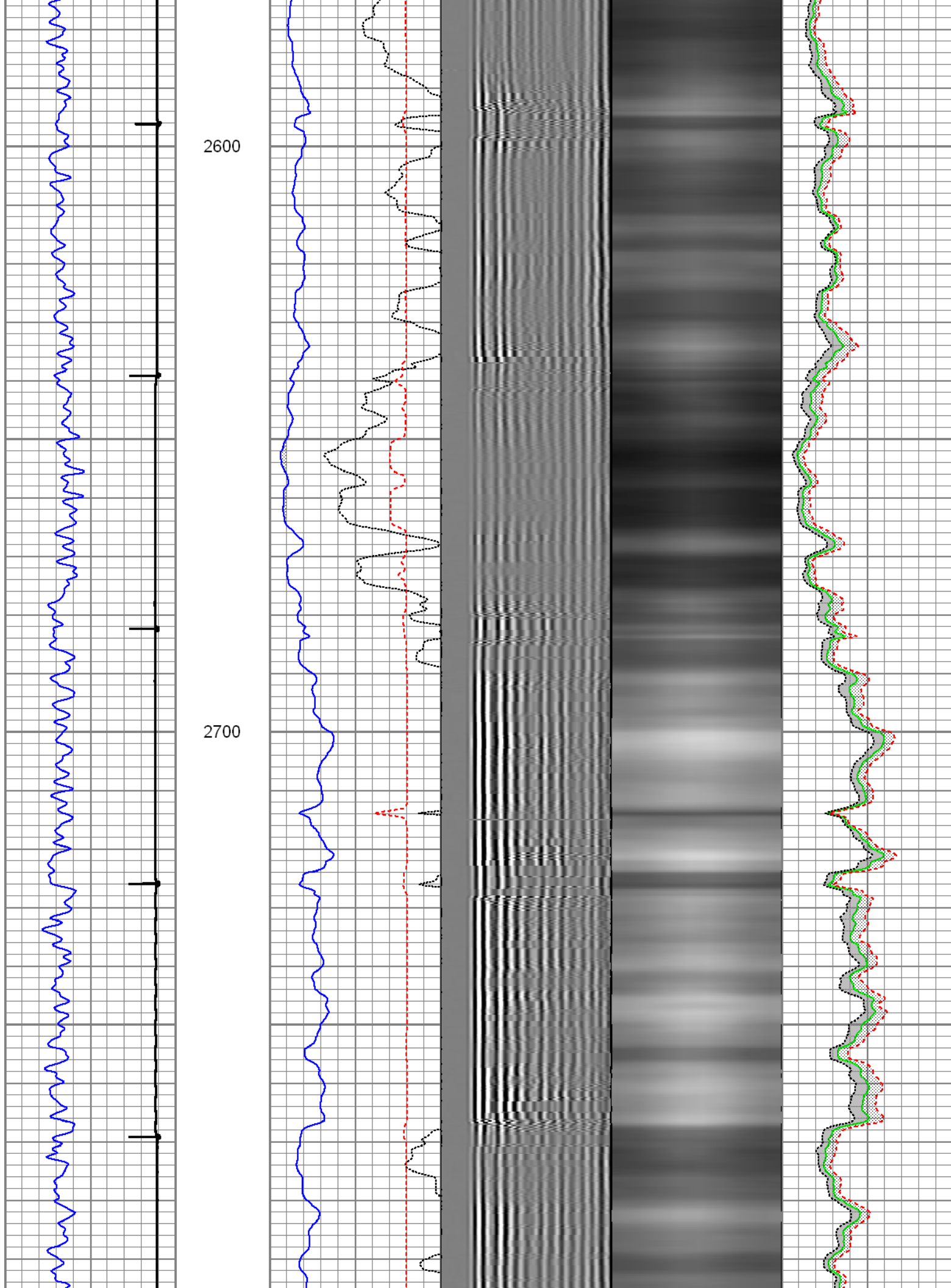
2300





2600

2700

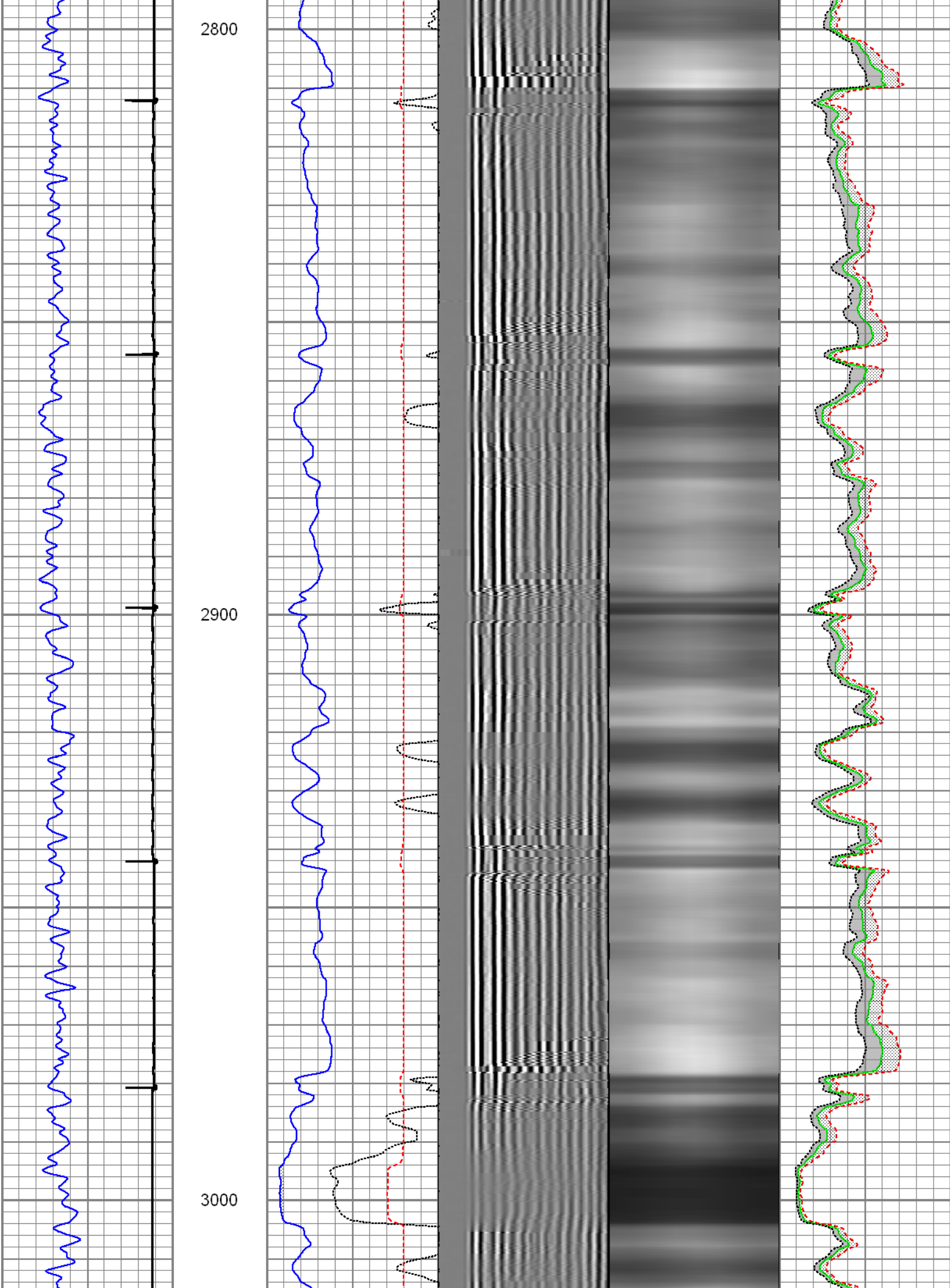




2800

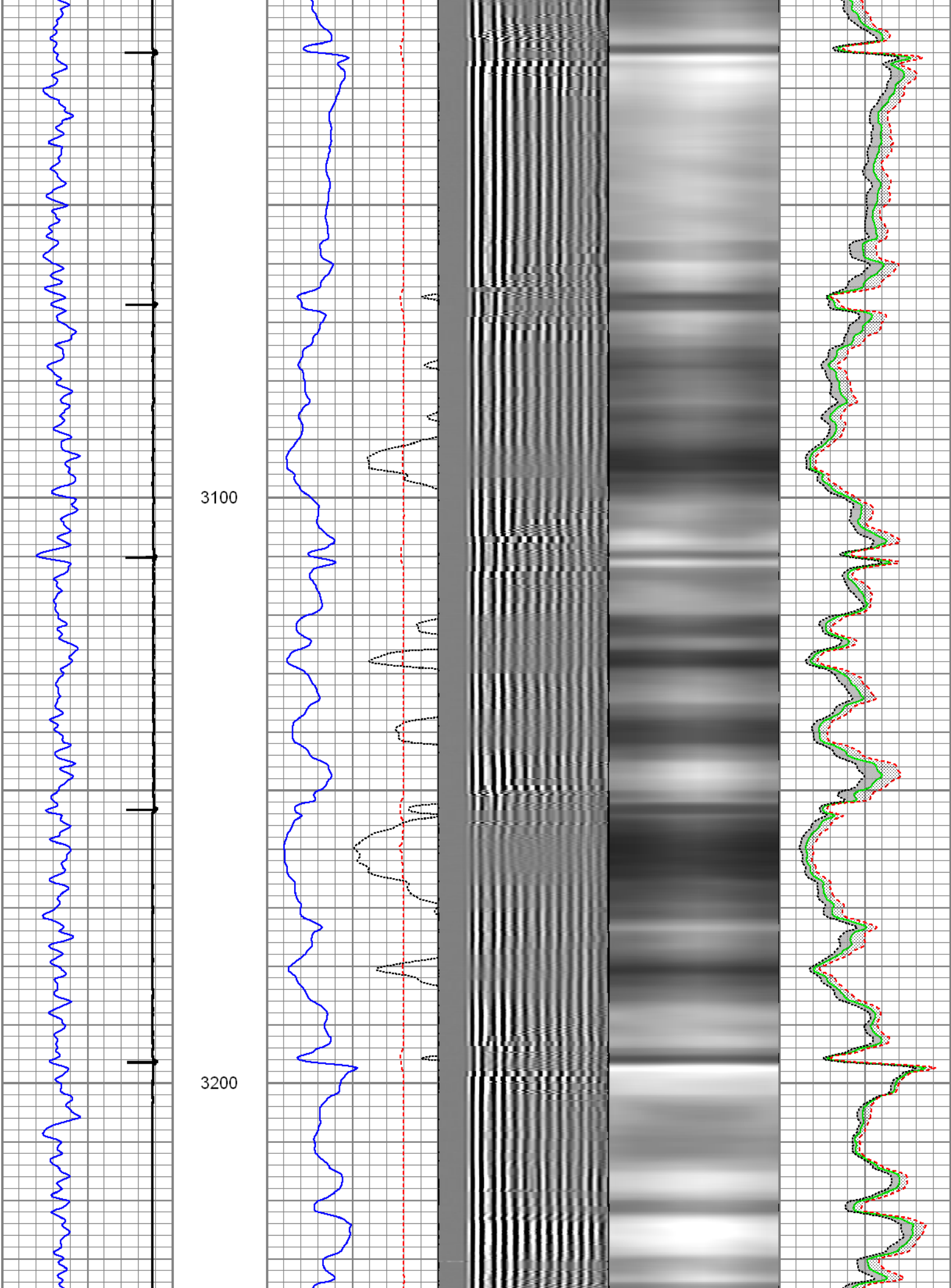
2900

3000



3100

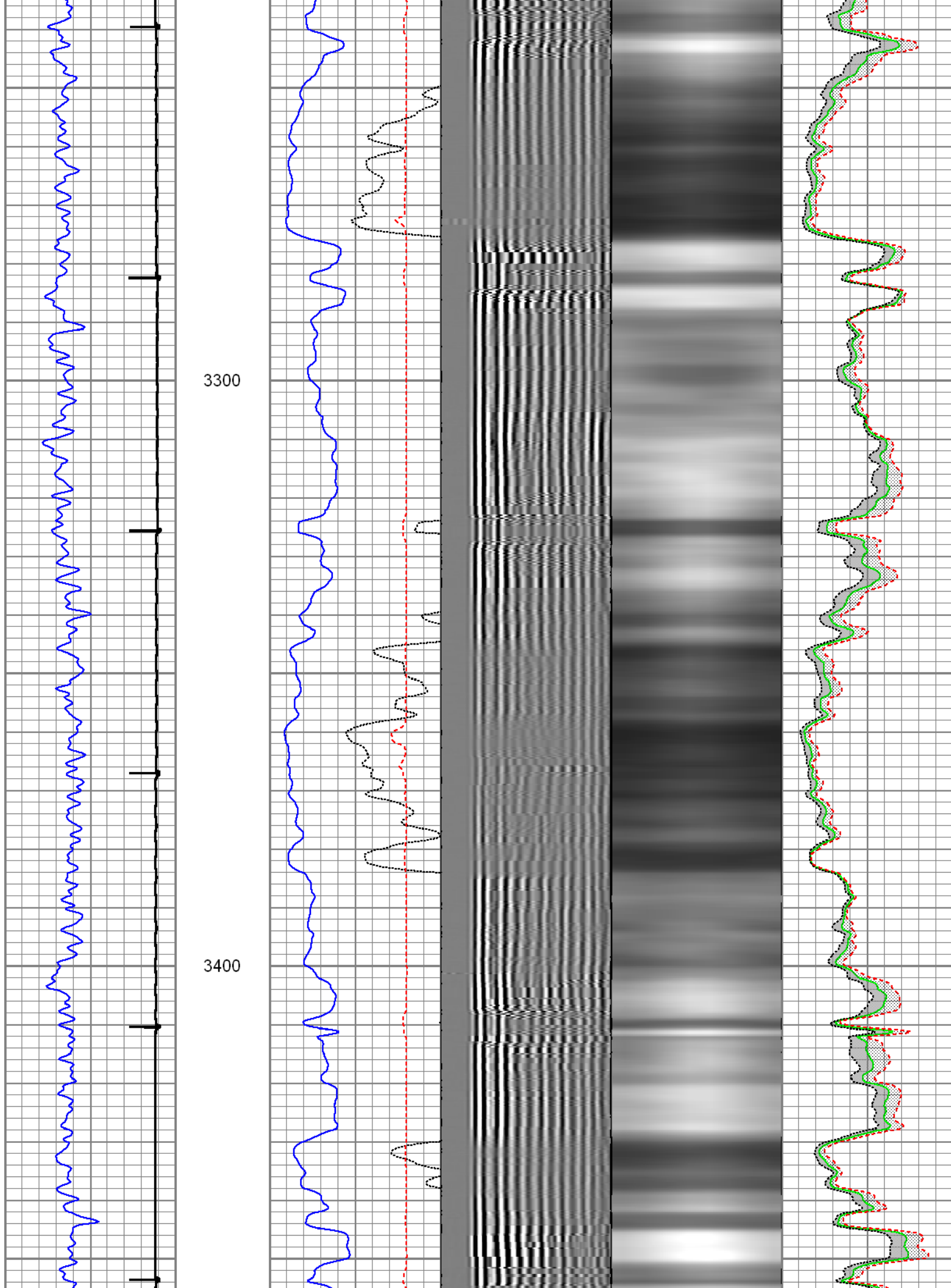
3200





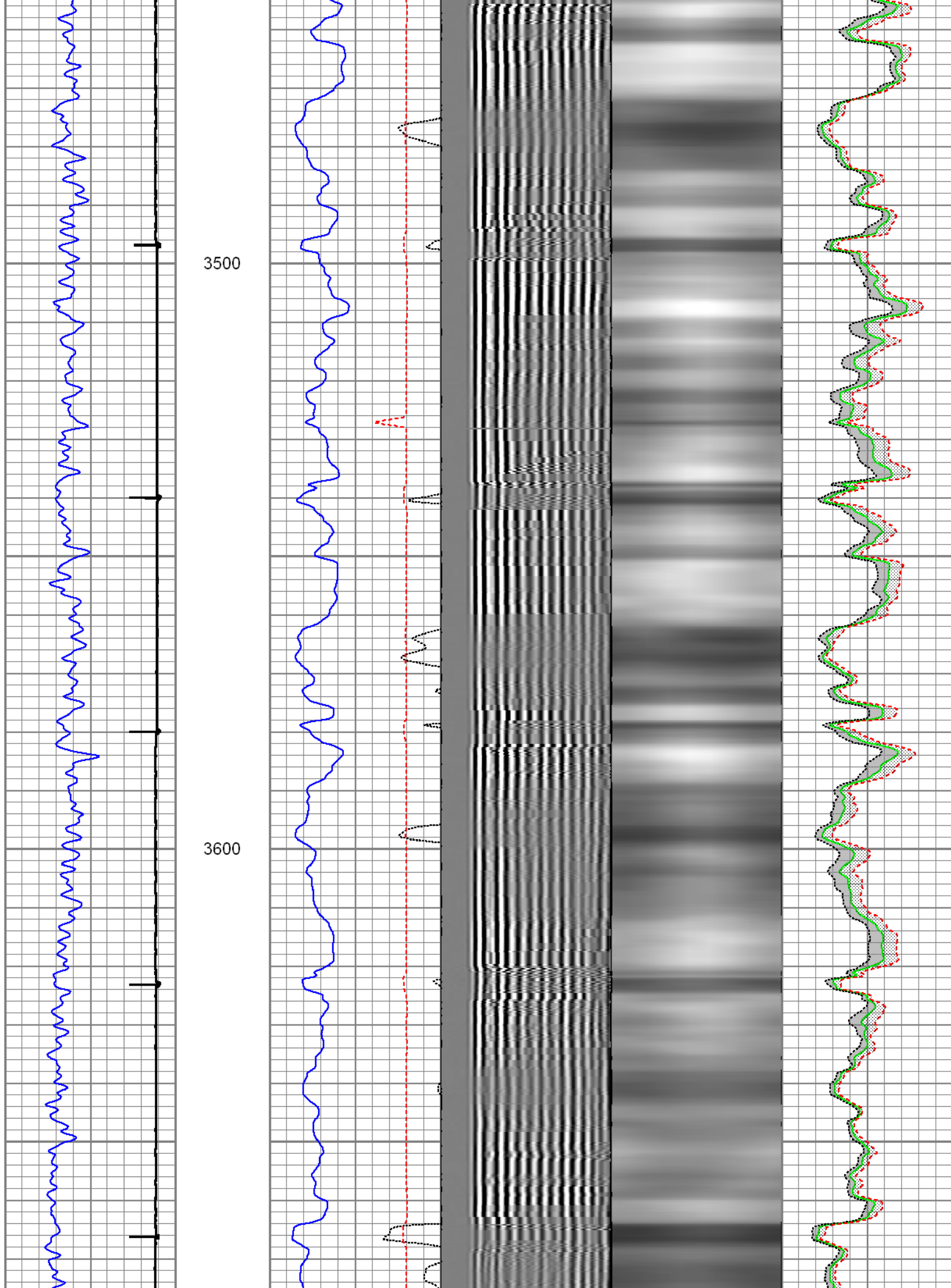
3300

3400



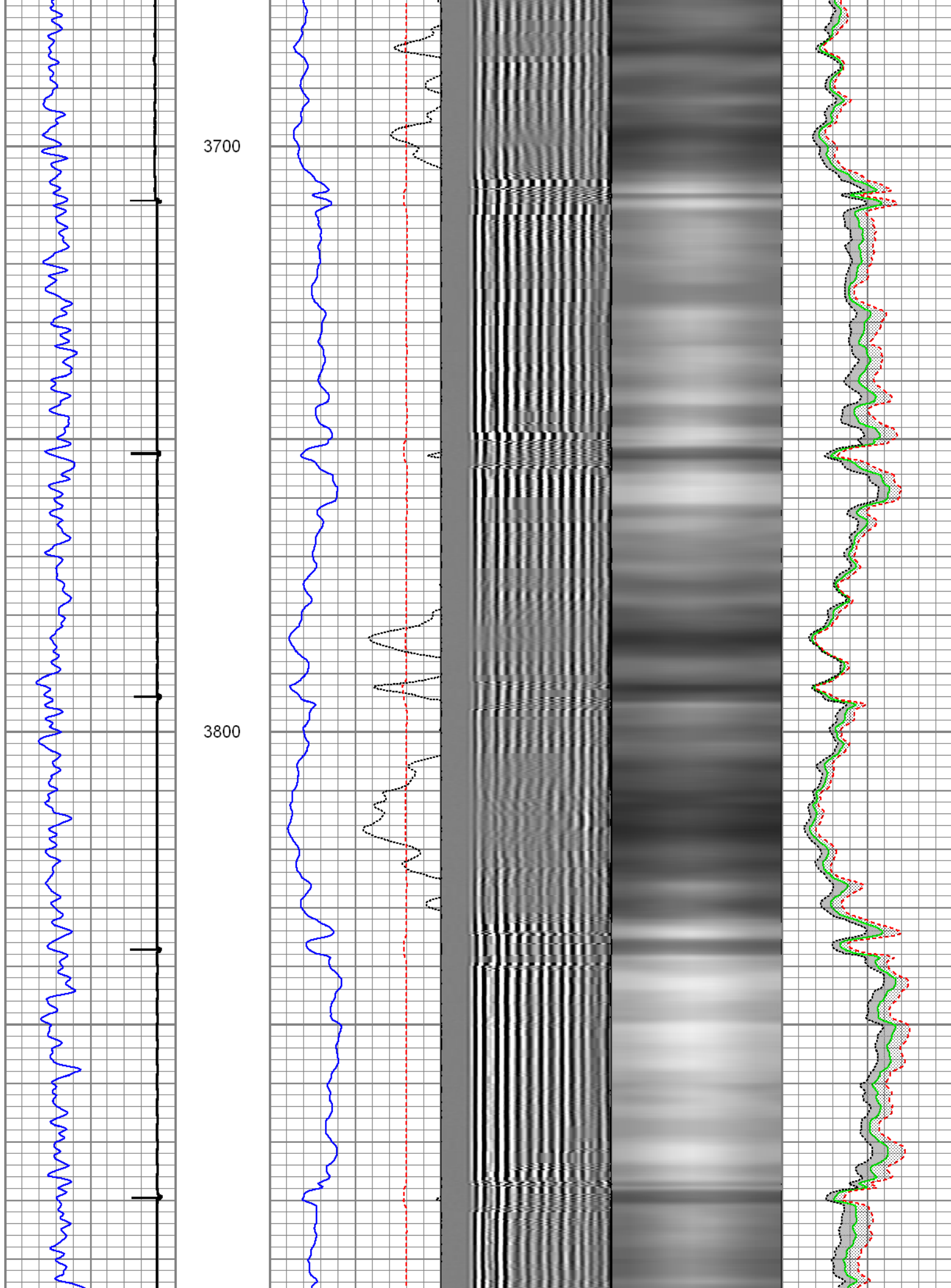
3500

3600



3700

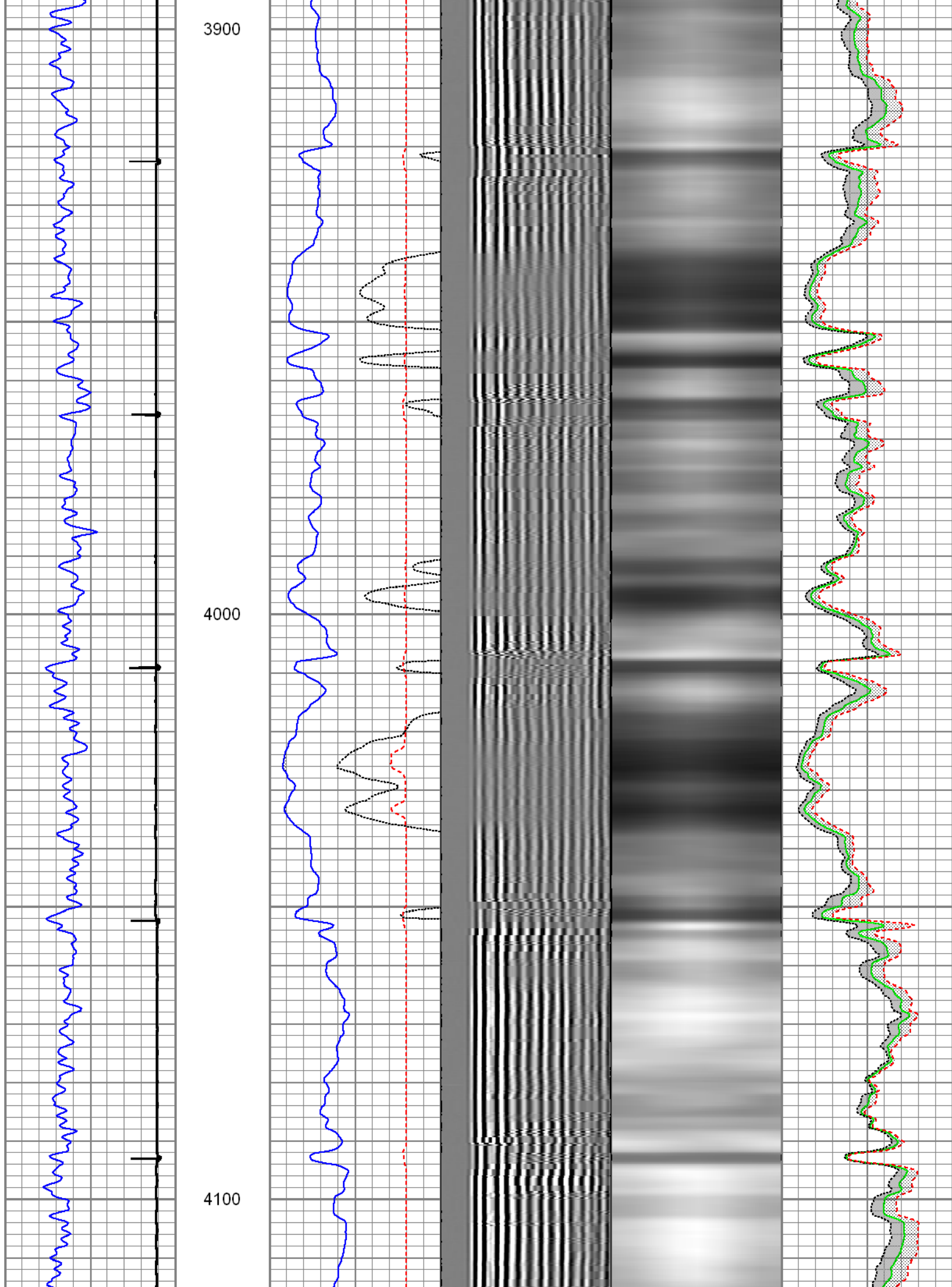
3800



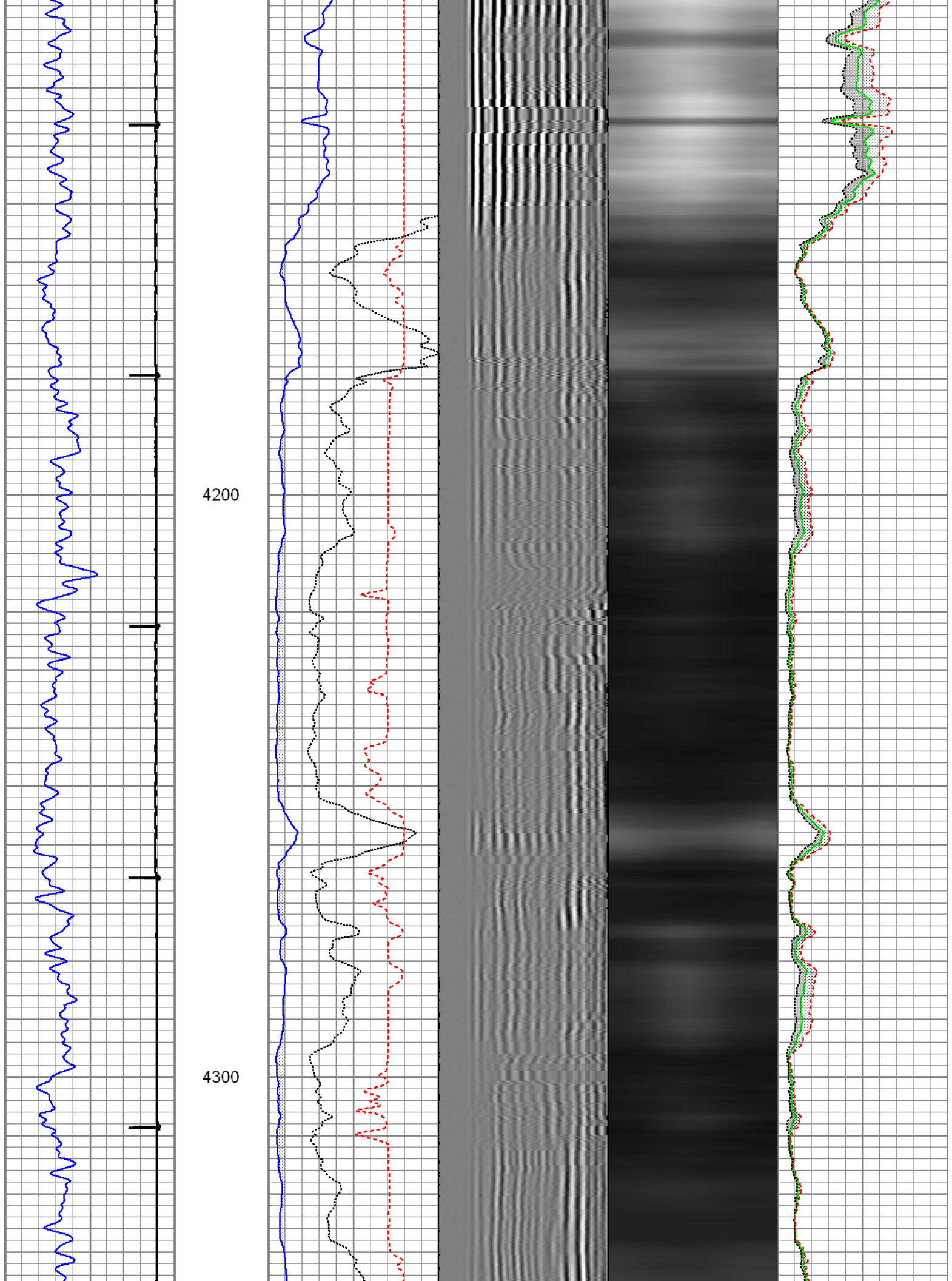
3900

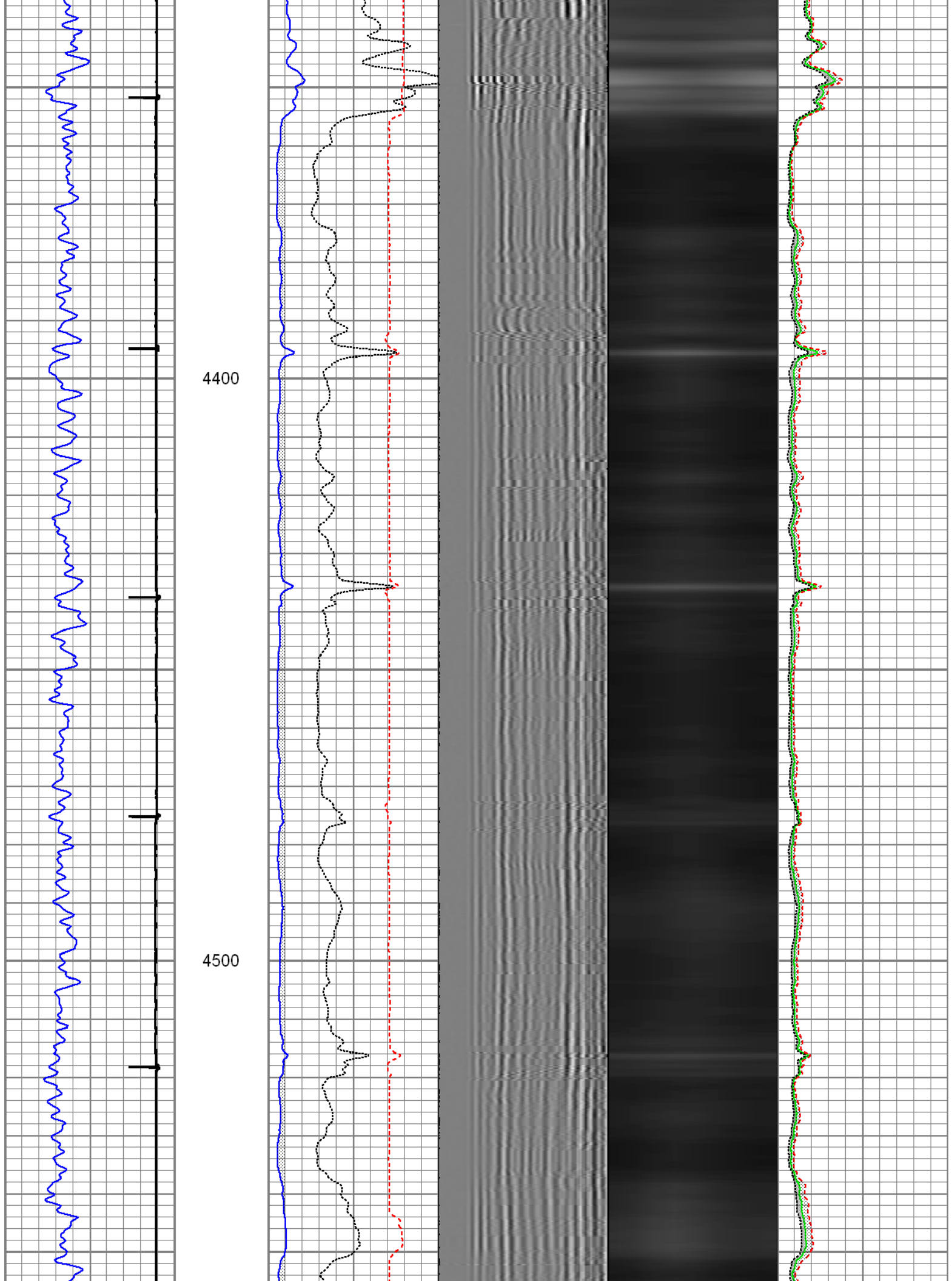
4000

4100

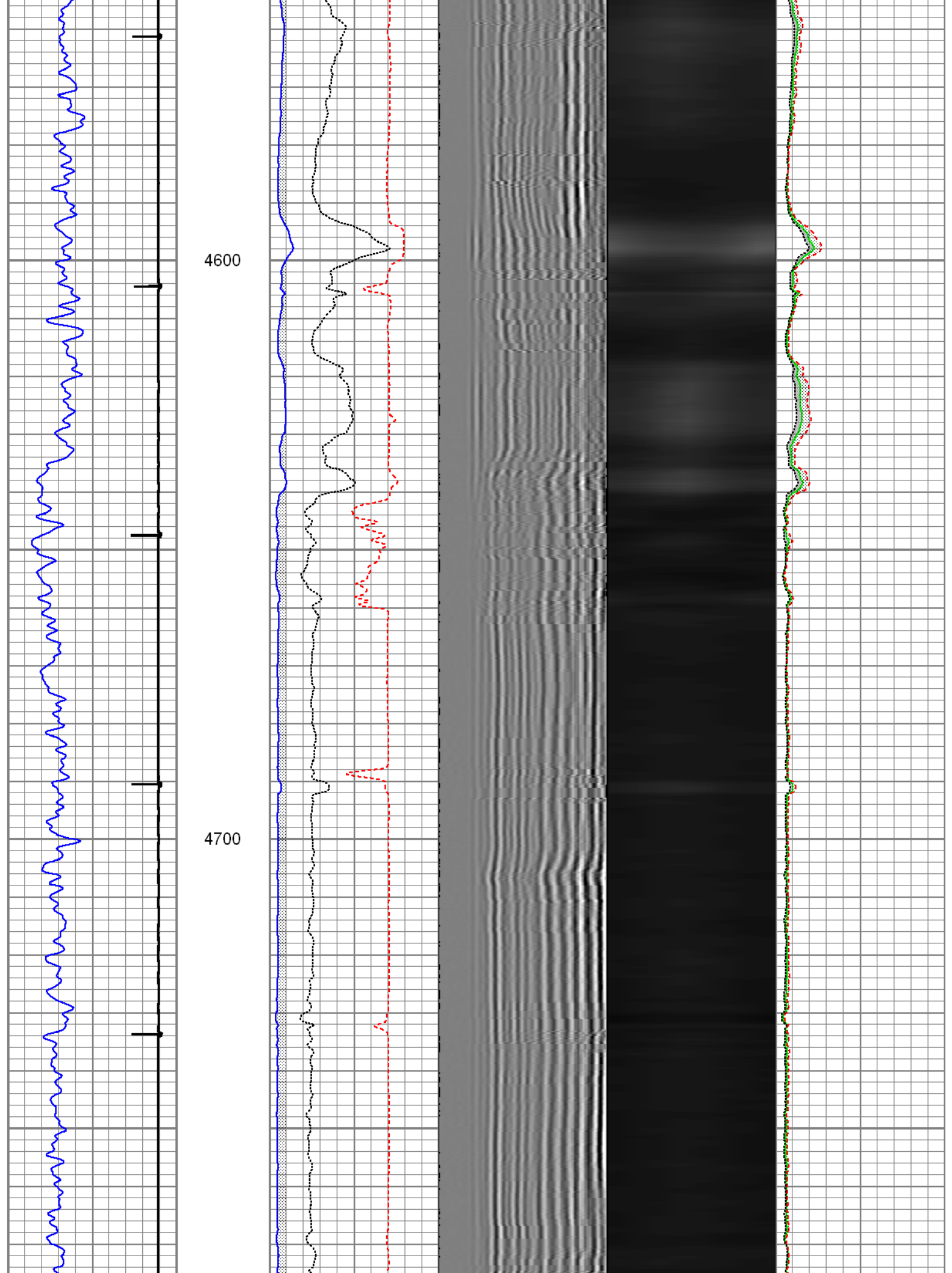






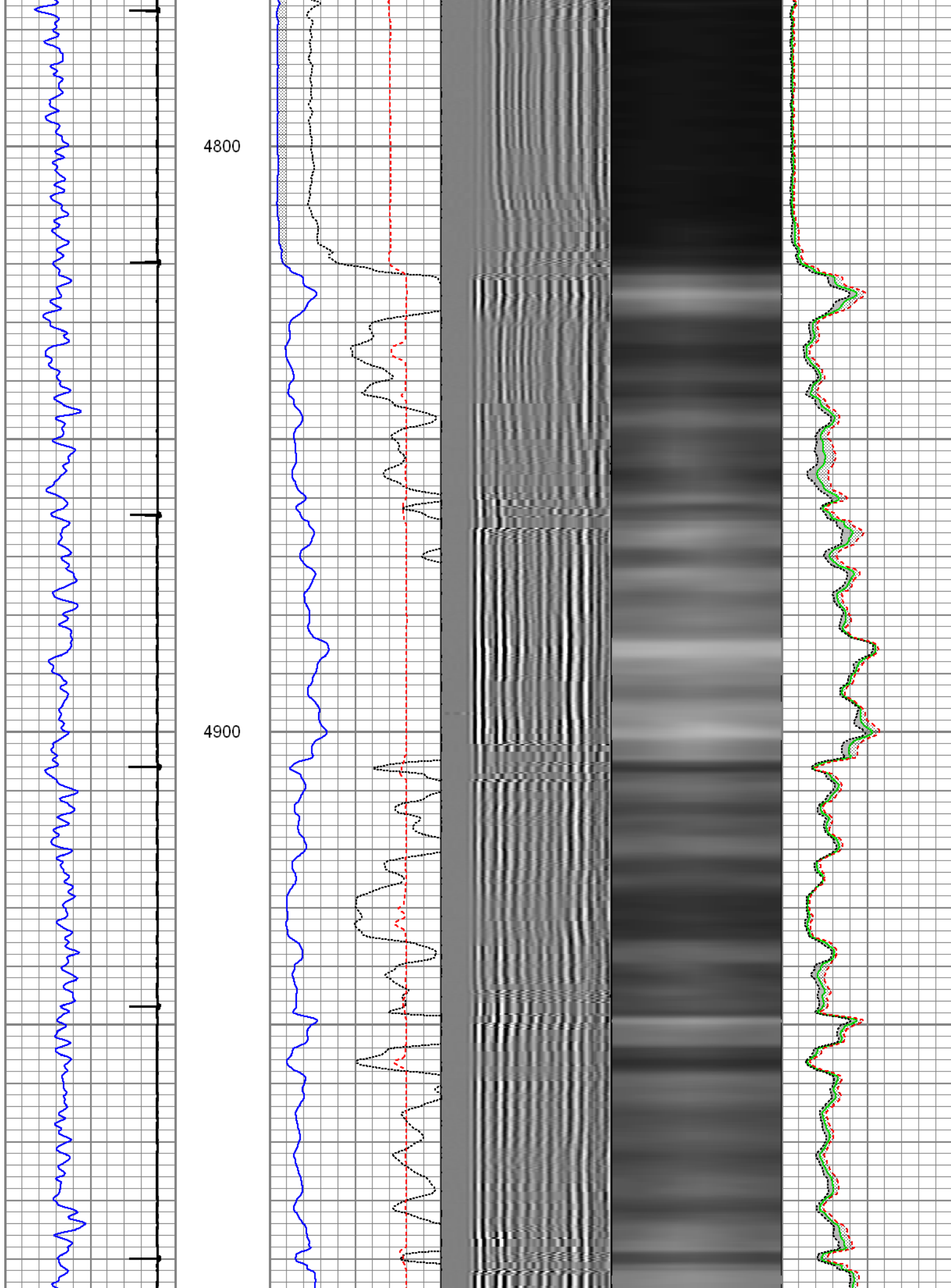






4800

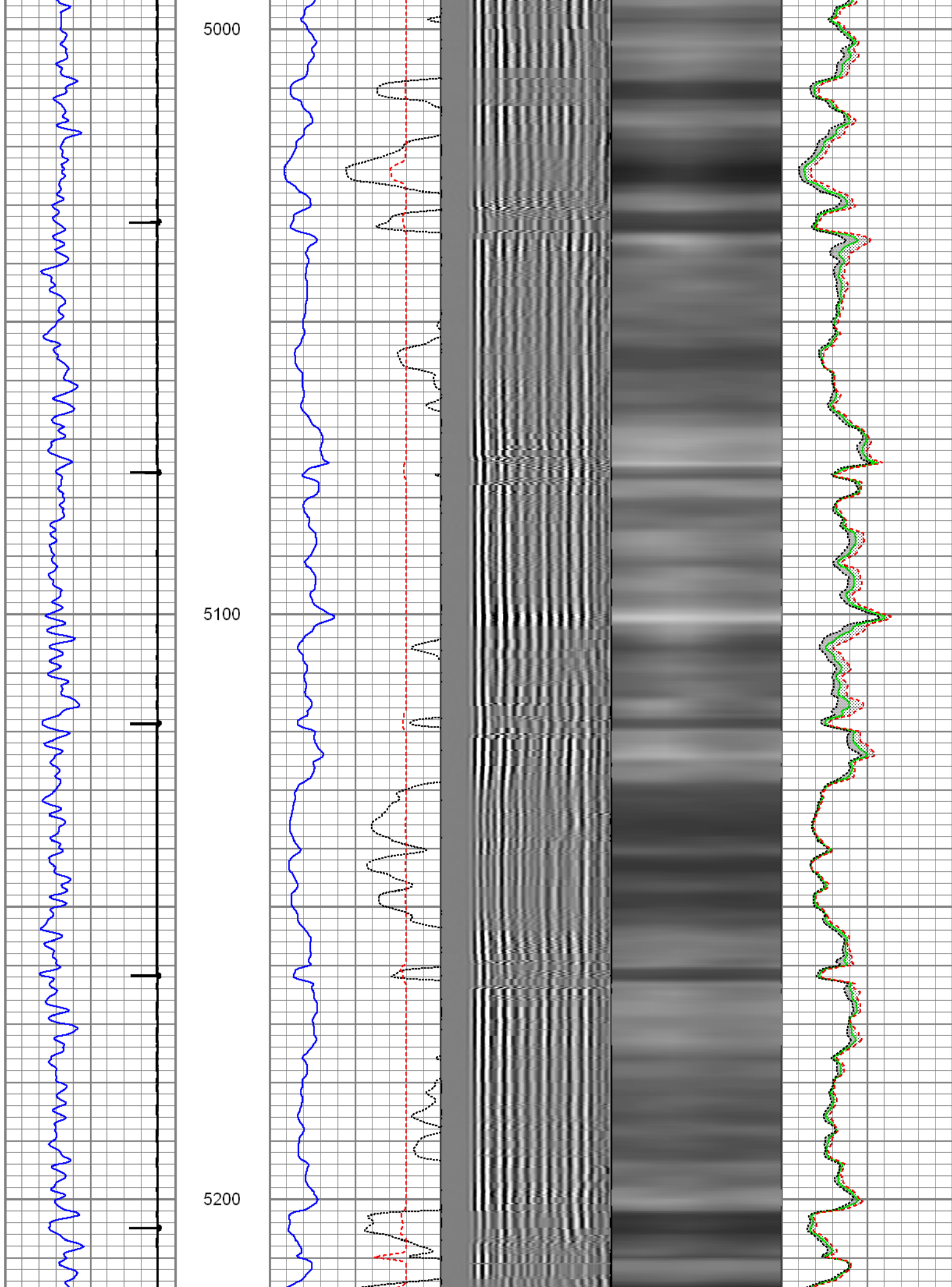
4900

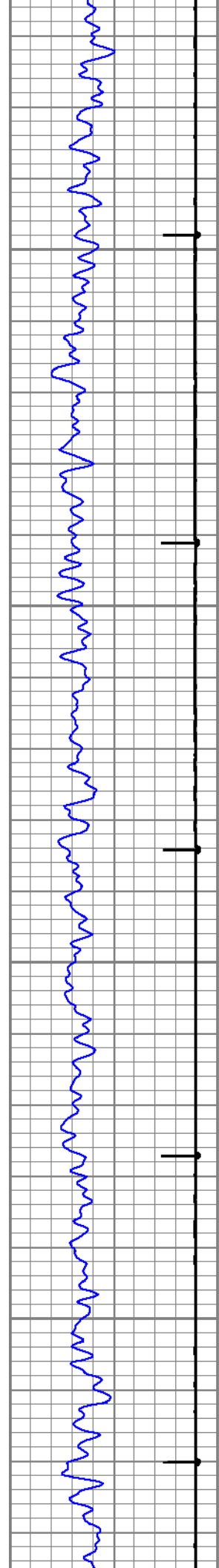


5000

5100

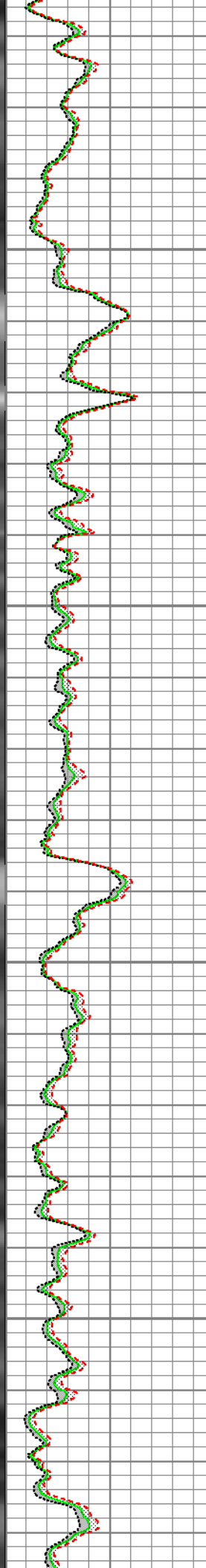
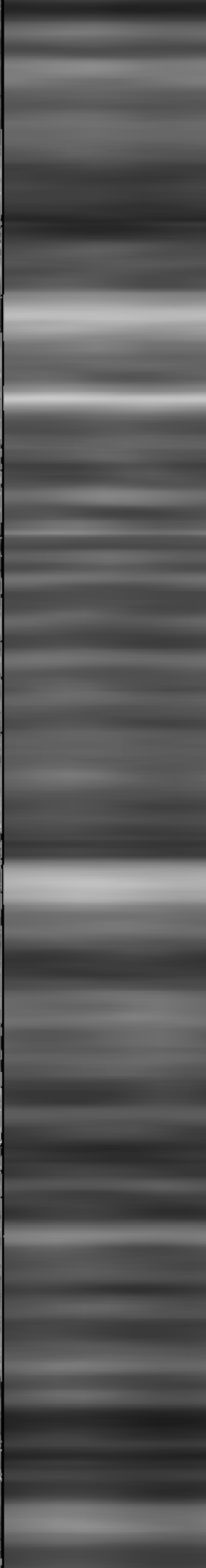
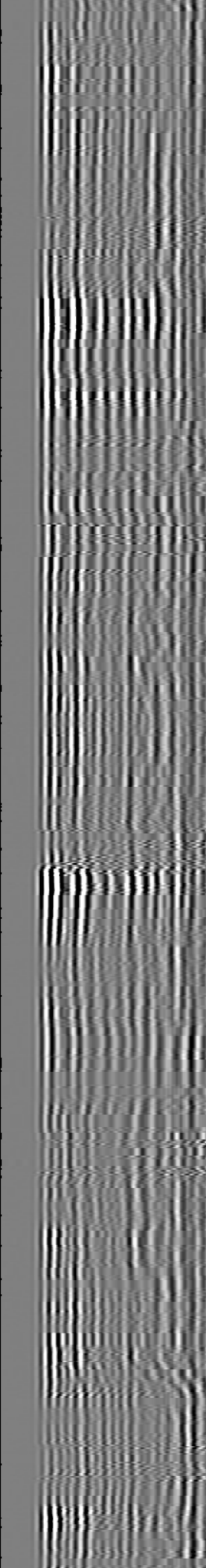
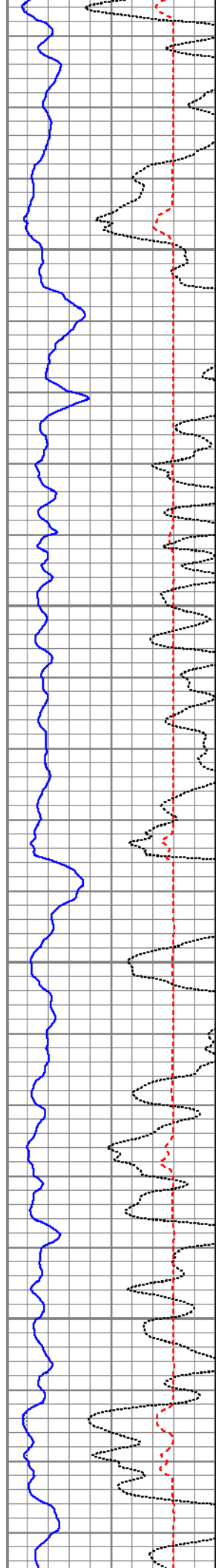
5200

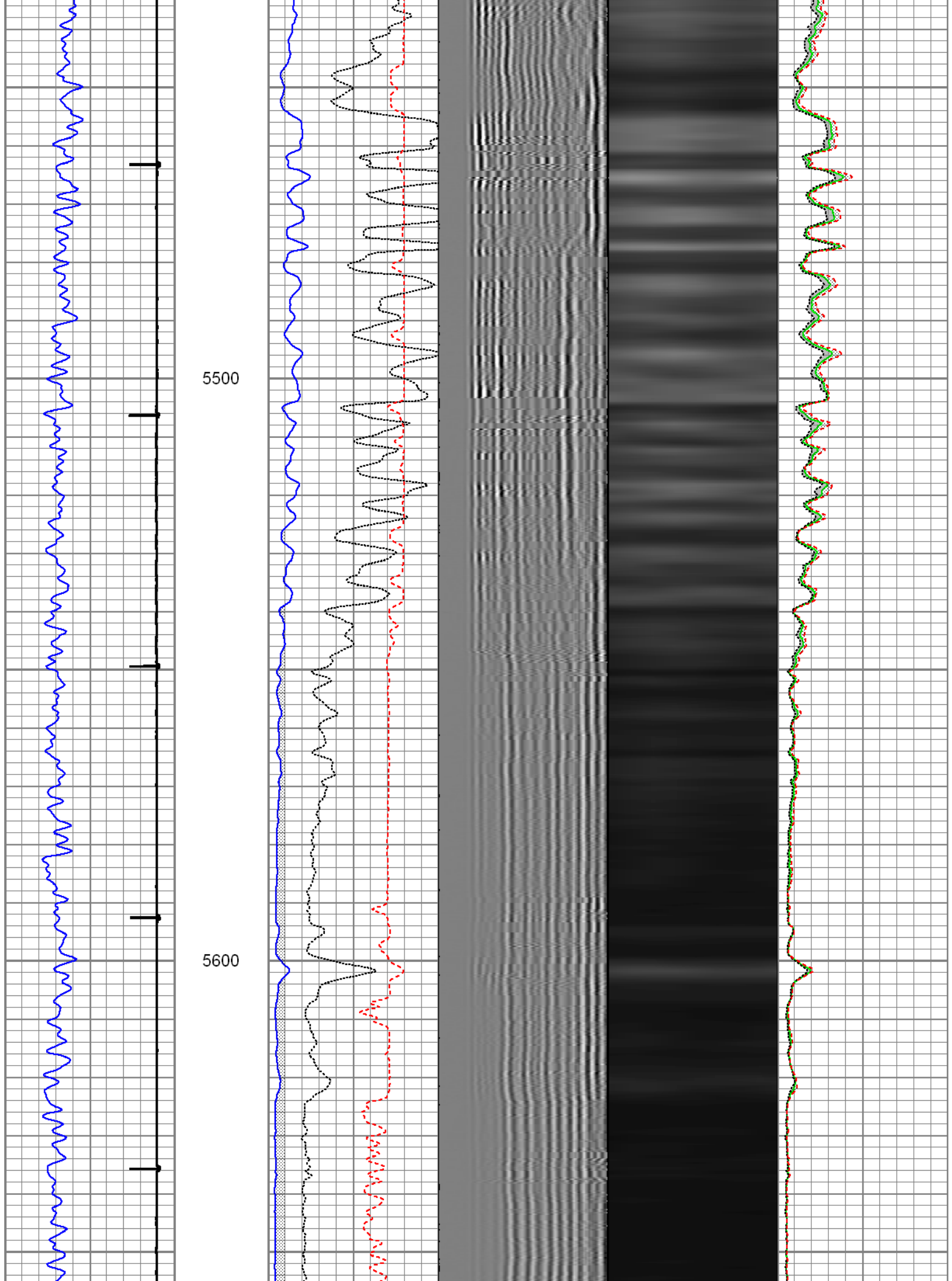




5300

5400

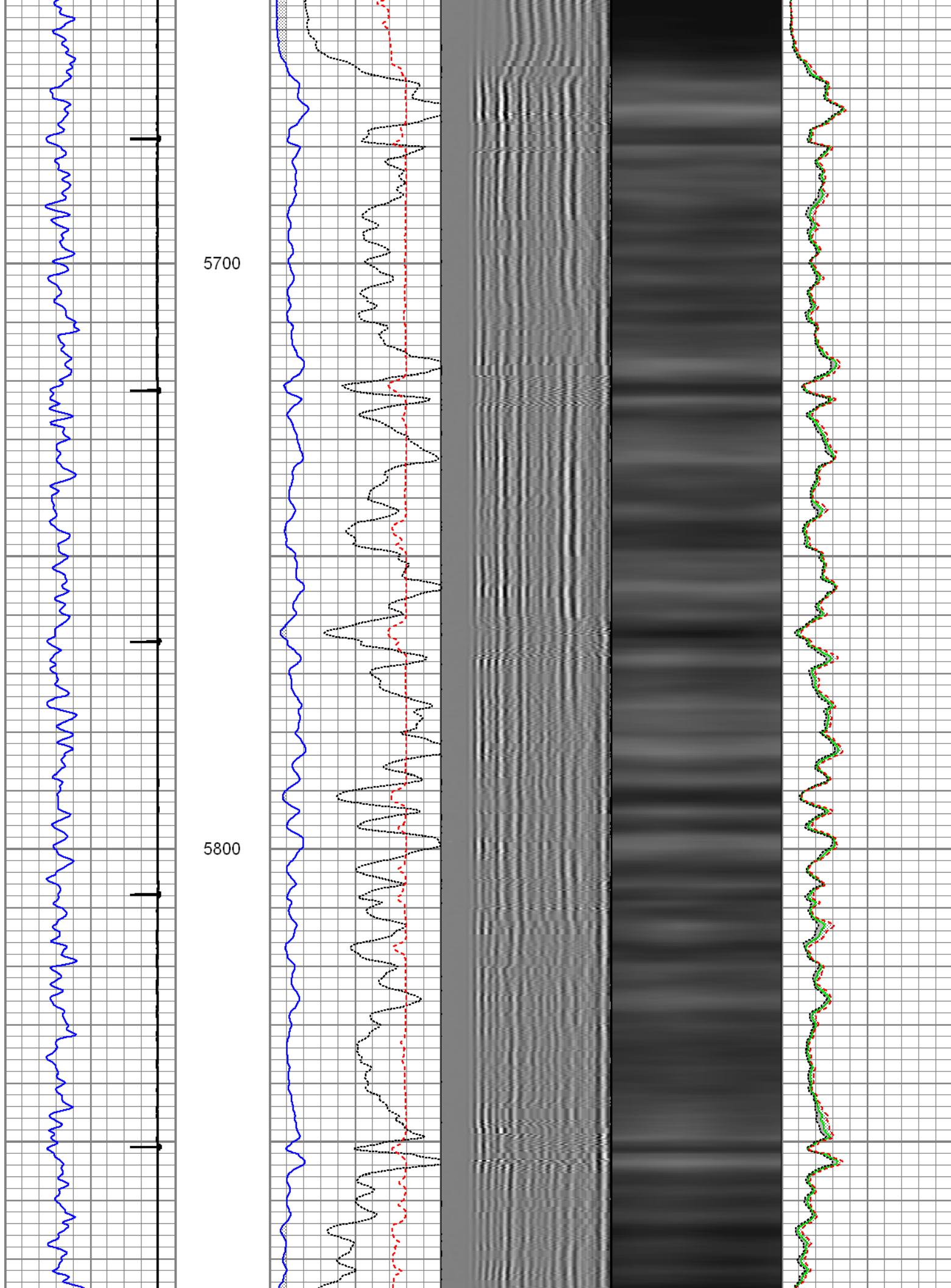




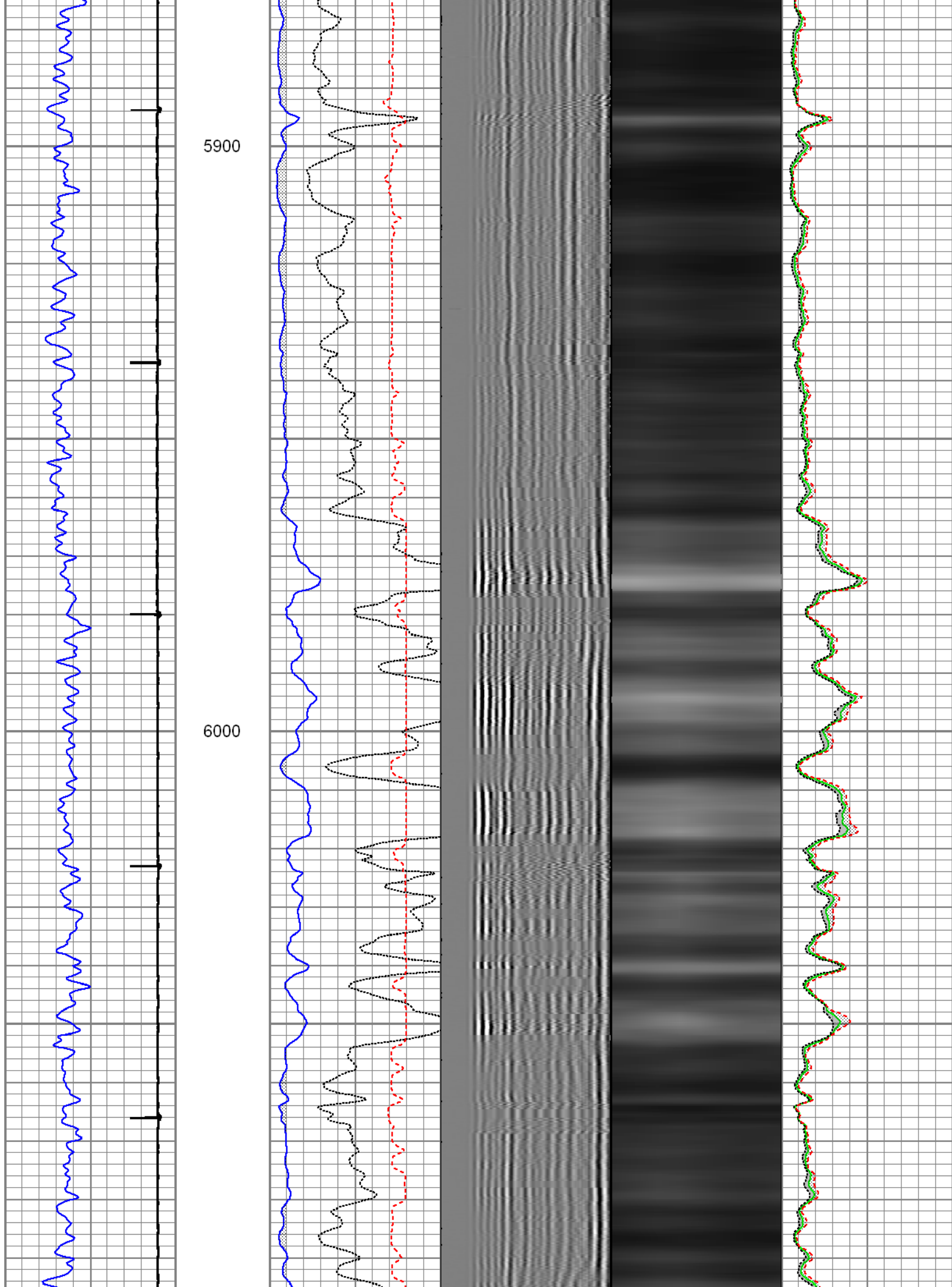


5700

5800



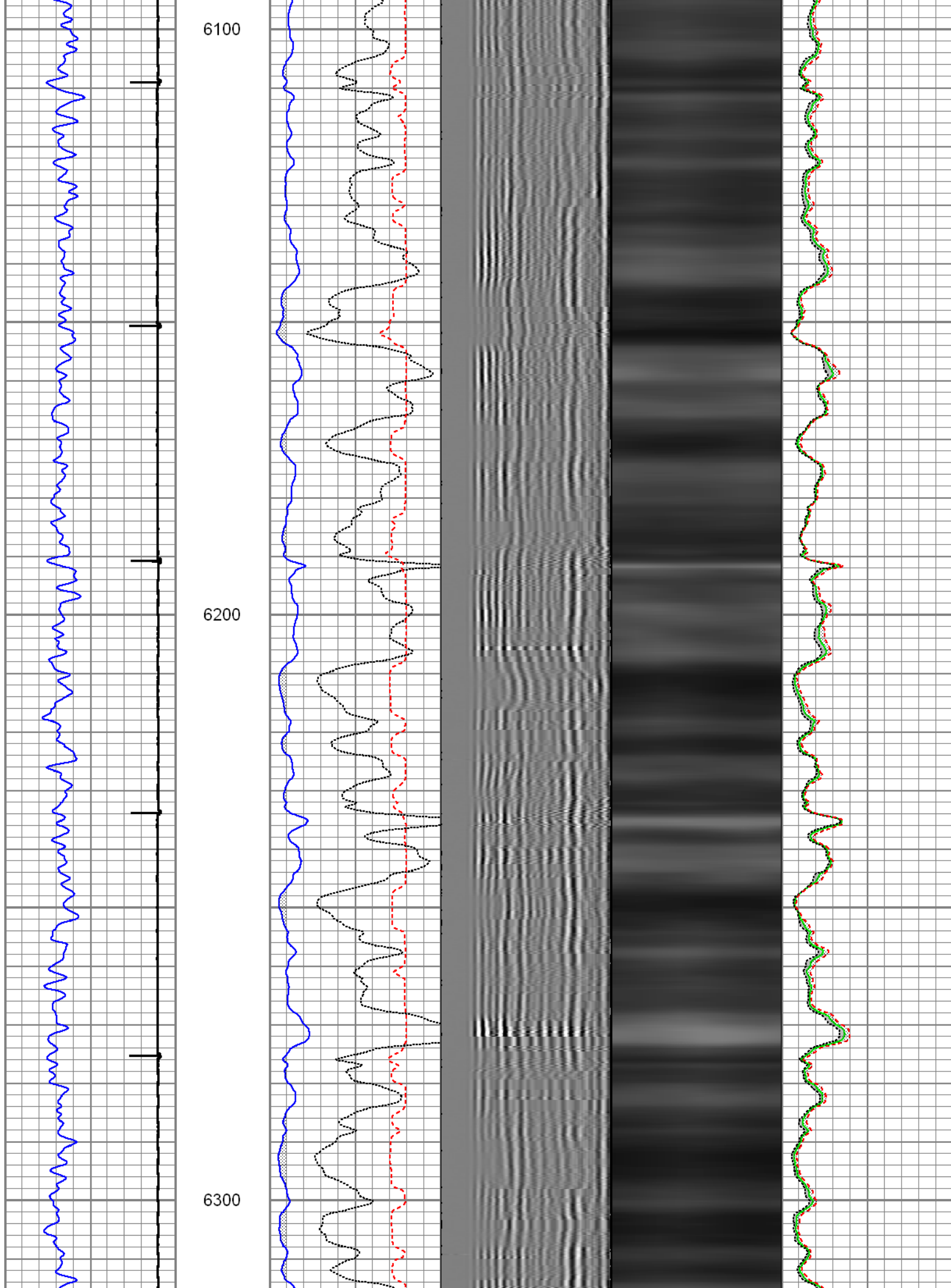


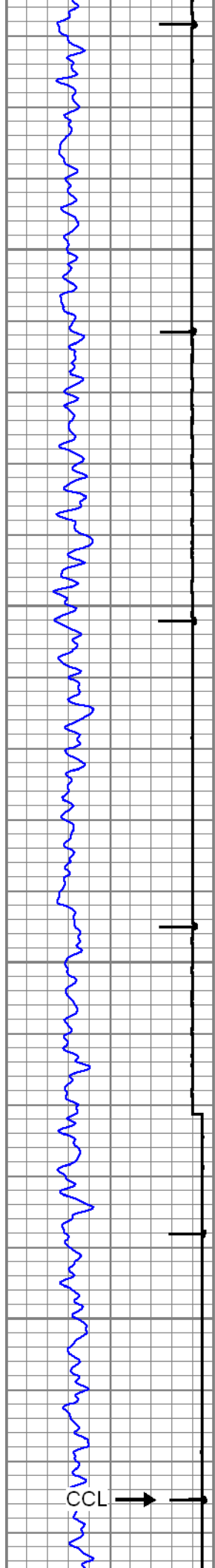


6100

6200

6300

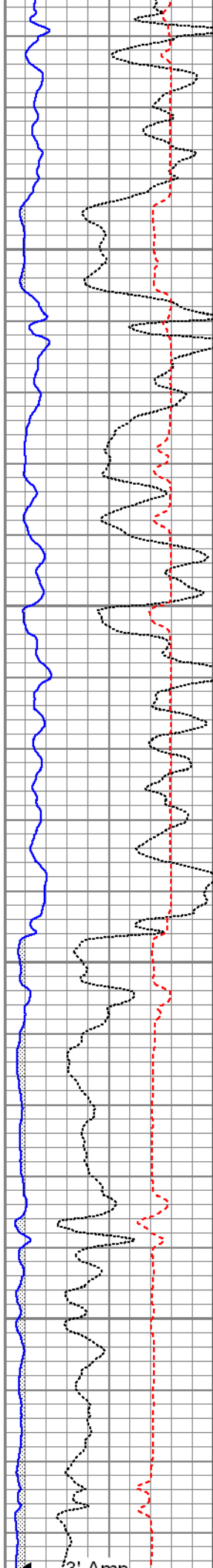




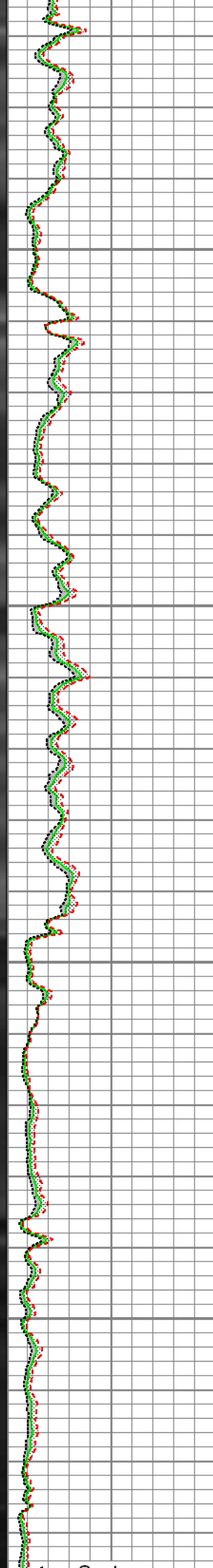
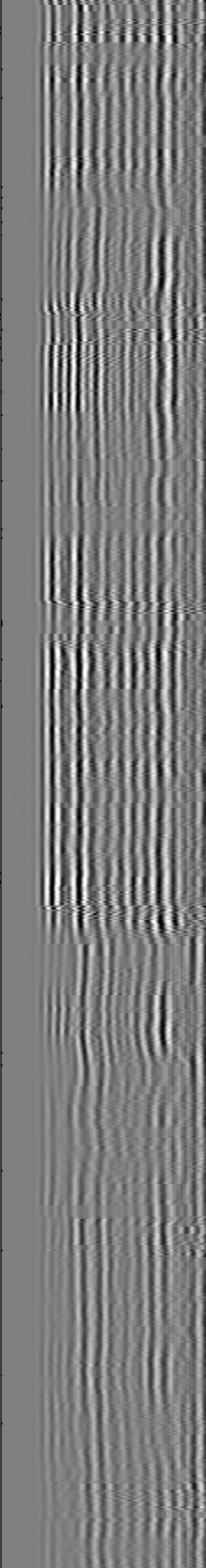
6400

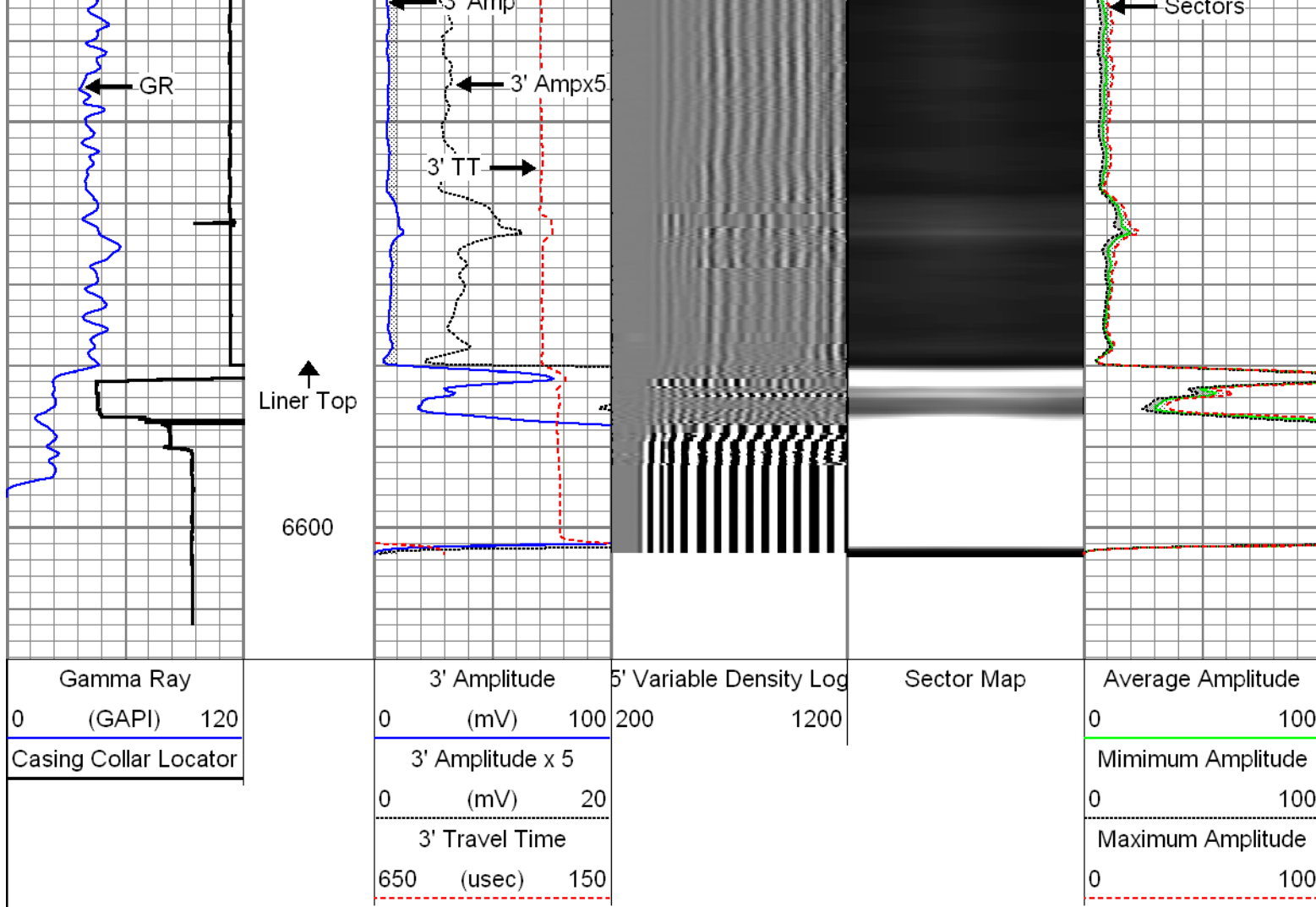
6500


CCL



2' Amp



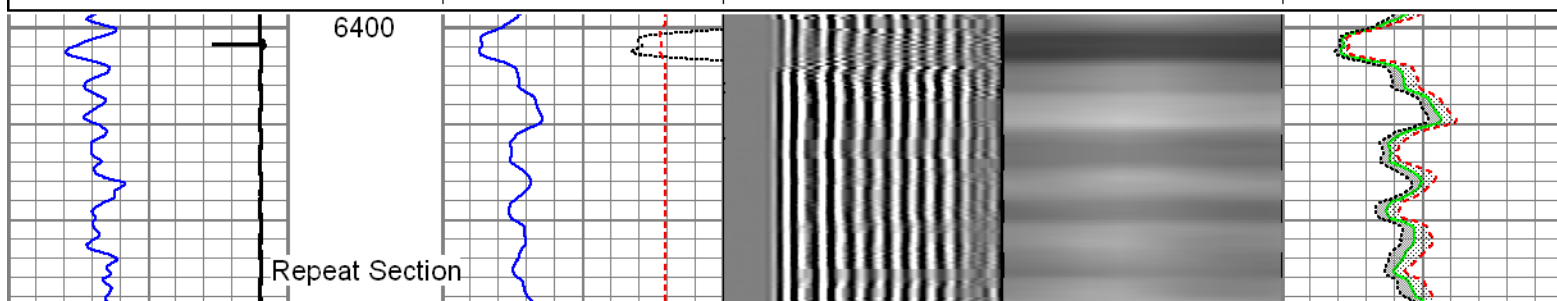
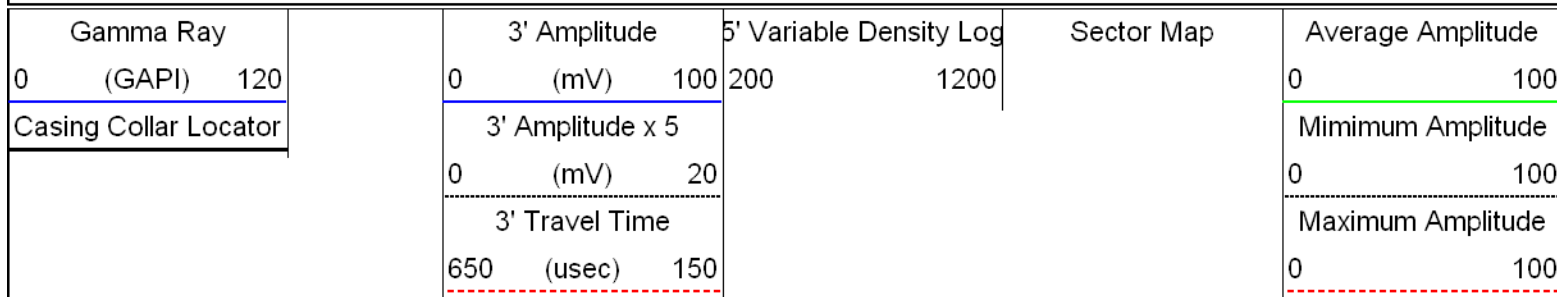




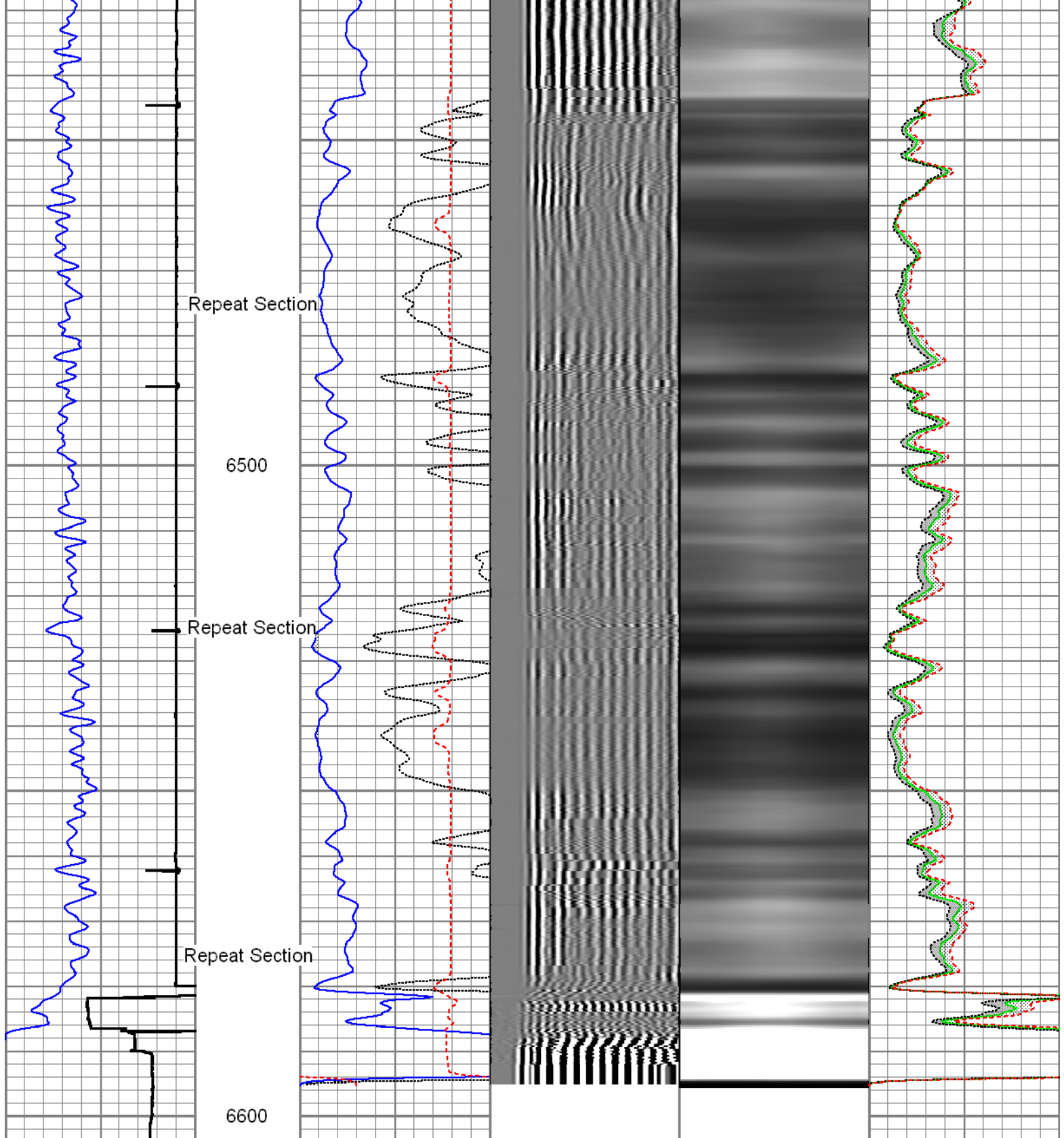
## Main Pass

Recorded with 0 Psi surface induced pressure

Database File:	0512338952_anadarko_houston 33c-8hz_06-19-14_mit_rbl.db
Dataset Pathname:	pass2
Presentation Format:	rbt4_mit
Dataset Creation:	Thu Jun 19 15:34:31 2014 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

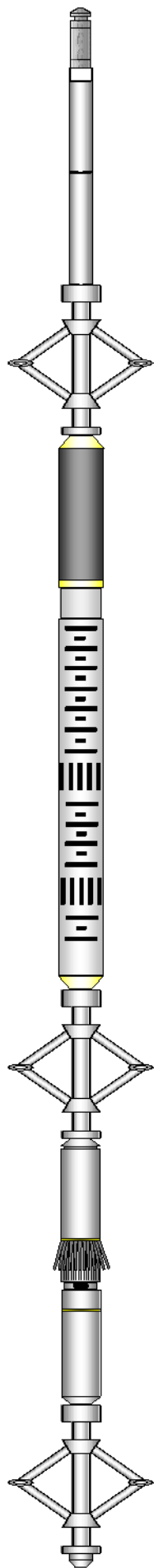
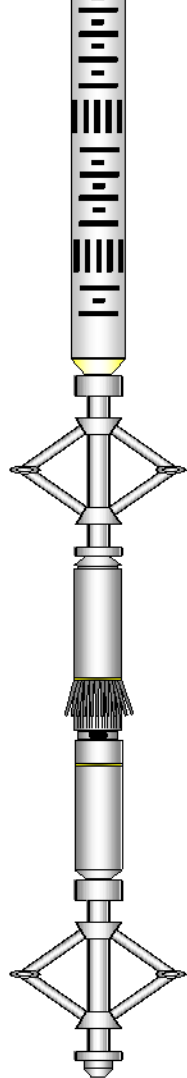
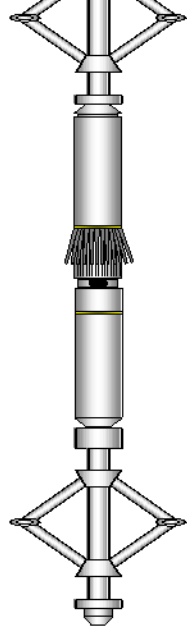
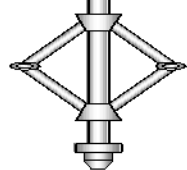






Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
	0 (mV) 20			0 100
	3' Travel Time			Maximum Amplitude



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 (10010522) Crossover Ultrawire Toolbus to Ultralink	1.58	1.69	6.50
			UW_PGR-UW_PGR_020 (050836) Production Gamma Ray	1.93	1.69	9.50
			UW_PRC-DSSRAC (084) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
WVF3FT	14.99		UW_RBT-UW_RBT_004 (1066) Sondex Ultrawire 3-1/8" Radial Bond Tool	9.47	3.13	140.00
WVFS1	14.99					
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-DSSRAC (082) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
			UW_MIT-UW_MIT40_042 (10014703) 40 Multifinger Imaging Tool	4.54	2.75	61.10
TSTAMP	0.00		UW_PRC #3 -DSSRAC (080) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
			UW_BUL-UW_BUL_006 (218707) Sondex Ultrawire Bullnose Terminator	0.22	1.69	1.20

Dataset: 0512338952\_Anadarko\_Houston 33C-8HZ\_06-19-14\_MIT\_RBL.db: field/well/run1/pass3  
Total Length: 26.62 ft  
Total Weight: 319.30 lb  
O.D. 3.13 in

#### Calibration Report

Database File: 0512338952\_Anadarko\_Houston 33C-8HZ\_06-19-14\_MIT\_RBL.db  
Dataset Pathname: pass4  
Dataset Creation: Thu Jun 19 18:23:46 2014 by Log 7.0 B1

#### Multi-finger Imaging Tool Calibration Report

Serial Number: 10014703  
Number of Fingers: 40  
Tool Model: UW\_MIT40\_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: Thu Jun 19 14:58:30 2014

Ring size:	4		5		6		7
(in)		Sens		Sens		Sens	
Finger 01:	1204	345.0	1549	378.0	1927	391.0	2318
Finger 02:	1147	360.0	1507	400.0	1907	419.0	2326
Finger 03:	1150	348.0	1498	387.0	1885	405.0	2290
Finger 04:	1097	362.0	1459	414.0	1873	435.0	2308
Finger 05:	1110	343.0	1453	384.0	1837	402.0	2239
Finger 06:	1111	358.0	1469	400.0	1869	420.0	2289
Finger 07:	1134	355.0	1489	386.0	1875	404.0	2279
Finger 08:	1091	358.0	1449	404.0	1853	420.0	2273
Finger 09:	1165	362.0	1527	391.0	1918	399.0	2317
Finger 10:	1104	356.0	1460	390.0	1850	402.0	2252
Finger 11:	1105	362.0	1467	393.0	1860	411.0	2271
Finger 12:	1179	358.0	1537	375.0	1912	378.0	2290
Finger 13:	1128	358.0	1486	391.0	1877	407.0	2284
Finger 14:	1101	370.0	1471	405.0	1876	420.0	2296
Finger 15:	1065	370.0	1435	409.0	1844	427.0	2271
Finger 16:	1140	364.0	1504	391.0	1895	407.0	2302
Finger 17:	1147	364.0	1511	372.0	1883	403.0	2286
Finger 18:	1199	358.0	1557	381.0	1938	391.0	2329
Finger 19:	1150	364.0	1514	388.0	1902	404.0	2306
Finger 20:	1066	374.0	1440	401.0	1841	409.0	2250
Finger 21:	1148	356.0	1504	389.0	1893	396.0	2289
Finger 22:	1144	360.0	1504	387.0	1891	402.0	2293
Finger 23:	1237	340.0	1577	361.0	1938	375.0	2313
Finger 24:	1154	366.0	1520	393.0	1913	404.0	2317
Finger 25:	1155	357.0	1512	390.0	1902	409.0	2311
Finger 26:	1193	356.0	1549	383.0	1932	394.0	2326
Finger 27:	1200	344.0	1544	376.0	1920	396.0	2316
Finger 28:	1165	358.0	1523	392.0	1915	410.0	2325
Finger 29:	1146	359.0	1505	399.0	1904	420.0	2324
Finger 30:	1148	354.0	1502	393.0	1895	420.0	2315

Finger 31:	1202	347.0	1549	377.0	1926	392.0	2318
Finger 32:	1146	355.0	1501	396.0	1897	411.0	2308
Finger 33:	1150	353.0	1503	395.0	1898	418.0	2316
Finger 34:	1136	356.0	1492	399.0	1891	421.0	2312
Finger 35:	1194	342.0	1536	379.0	1915	396.0	2311
Finger 36:	1135	351.0	1486	398.0	1884	417.0	2301
Finger 37:	1196	339.0	1535	374.0	1909	396.0	2305
Finger 38:X	1224	342.0	1566	375.0	1941	393.0	2334
Finger 39:	1128	347.0	1475	391.0	1866	415.0	2281
Finger 40:	1079	363.0	1442	414.0	1856	439.0	2295

Post Survey Calibration Check								
Performed:					Thu Jun 19 18:23:39 2014			
Ring size: (in)	4	Nom. wear	5	Nom. wear	6	Nom. wear	7	Nom. wear
Finger 01:	4.007	0.004	5.003	0.001	6.008	0.004	7.000	-0.000
Finger 02:	4.001	0.000	4.998	-0.001	6.001	0.001	6.999	-0.000
Finger 03:	4.006	0.003	5.003	0.002	5.999	-0.001	6.993	-0.003
Finger 04:	3.998	-0.001	5.001	0.001	5.997	-0.001	6.998	-0.001
Finger 05:	4.006	0.003	5.006	0.003	6.004	0.002	6.991	-0.005
Finger 06:	4.002	0.001	5.006	0.003	6.004	0.002	6.997	-0.001
Finger 07:	4.005	0.002	4.998	-0.001	5.996	-0.002	6.983	-0.009
Finger 08:	4.002	0.001	5.009	0.004	6.002	0.001	6.995	-0.002
Finger 09:	4.002	0.001	5.008	0.004	6.008	0.004	6.999	-0.000
Finger 10:	4.005	0.003	5.007	0.003	6.006	0.003	6.991	-0.005
Finger 11:	4.002	0.001	5.000	0.000	6.002	0.001	6.992	-0.004
Finger 12:	4.004	0.002	5.007	0.003	6.003	0.002	7.001	0.000
Finger 13:	4.003	0.001	5.008	0.004	6.006	0.003	6.995	-0.003
Finger 14:	4.007	0.004	5.008	0.004	6.008	0.004	6.997	-0.001
Finger 15:	4.005	0.002	5.007	0.003	6.002	0.001	6.998	-0.001
Finger 16:	4.000	0.000	5.004	0.002	6.008	0.004	6.994	-0.003
Finger 17:	4.006	0.003	4.993	-0.003	6.009	0.005	7.004	0.002
Finger 18:	4.005	0.002	5.005	0.003	6.006	0.003	6.989	-0.005
Finger 19:	4.005	0.003	5.005	0.002	6.010	0.005	6.988	-0.006
Finger 20:	4.006	0.003	4.989	-0.006	5.984	-0.008	7.006	0.003
Finger 21:	4.005	0.003	5.008	0.004	5.989	-0.005	6.990	-0.005
Finger 22:	4.005	0.003	5.001	0.001	6.000	0.000	6.990	-0.005
Finger 23:	4.002	0.001	5.003	0.002	6.005	0.003	6.993	-0.004
Finger 24:	4.005	0.003	5.003	0.001	6.004	0.002	7.001	0.000
Finger 25:	4.004	0.002	5.005	0.002	6.004	0.002	6.992	-0.004
Finger 26:	3.997	-0.001	5.001	0.000	6.002	0.001	6.997	-0.002
Finger 27:	4.000	-0.000	5.007	0.003	6.006	0.003	6.994	-0.003
Finger 28:	4.001	0.001	5.003	0.001	6.005	0.002	6.997	-0.001
Finger 29:	4.003	0.001	5.000	0.000	6.003	0.001	6.994	-0.003
Finger 30:	4.000	0.000	5.011	0.006	6.009	0.005	6.988	-0.006
Finger 31:	4.002	0.001	5.001	0.001	6.007	0.004	6.997	-0.001
Finger 32:	4.005	0.002	5.008	0.004	6.004	0.002	7.005	0.003
Finger 33:	4.025	0.013	5.022	0.011	5.999	-0.000	6.981	-0.009
Finger 34:	3.998	-0.001	4.999	-0.001	6.004	0.002	6.998	-0.001
Finger 35:	4.003	0.001	5.002	0.001	6.003	0.001	6.997	-0.002
Finger 36:	4.000	-0.000	5.001	0.001	6.000	-0.000	6.997	-0.002
Finger 37:	4.005	0.003	5.002	0.001	6.008	0.004	6.991	-0.005
Finger 38:	-----	-----	-----	-----	-----	-----	-----	-----
Finger 39:	4.004	0.002	5.001	0.000	6.003	0.001	7.000	-0.000
Finger 40:	4.003	0.001	4.998	-0.001	6.001	0.001	6.990	-0.005
Average:	4.004	0.002	5.004	0.002	6.003	0.002	6.995	-0.003

Segmented Cement Bond Log Calibration Report
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Serial Number:	1066
Tool Model:	UW_RBT_004
Calibration Casing Diameter:	7.000 in
Calibration Depth:	29.658 ft

Master Calibration, performed Thu Jun 19 15:01:27 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.004	0.787	0.800	62.165	78.440	0.456
5FT	-0.001	0.788	0.800	62.165	77.772	0.895
S1	0.005	0.742	0.000	100.000	135.742	-0.663
S2	0.004	0.772	0.000	100.000	130.139	-0.480
S3	0.004	0.800	0.000	100.000	125.691	-0.523
S4	0.004	0.819	0.000	100.000	122.584	-0.446
S5	0.004	0.814	0.000	100.000	123.474	-0.520
S6	0.004	0.802	0.000	100.000	125.295	-0.454
S7	0.004	0.786	0.000	100.000	127.980	-0.569
S8	0.004	0.754	0.000	100.000	133.384	-0.580

Gamma Ray Calibration Report

Serial Number: 050836  
 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, L.P.  
 Well Houston 33C-8HZ  
 Field Wattenberg  
 County Weld  
 State Colorado