

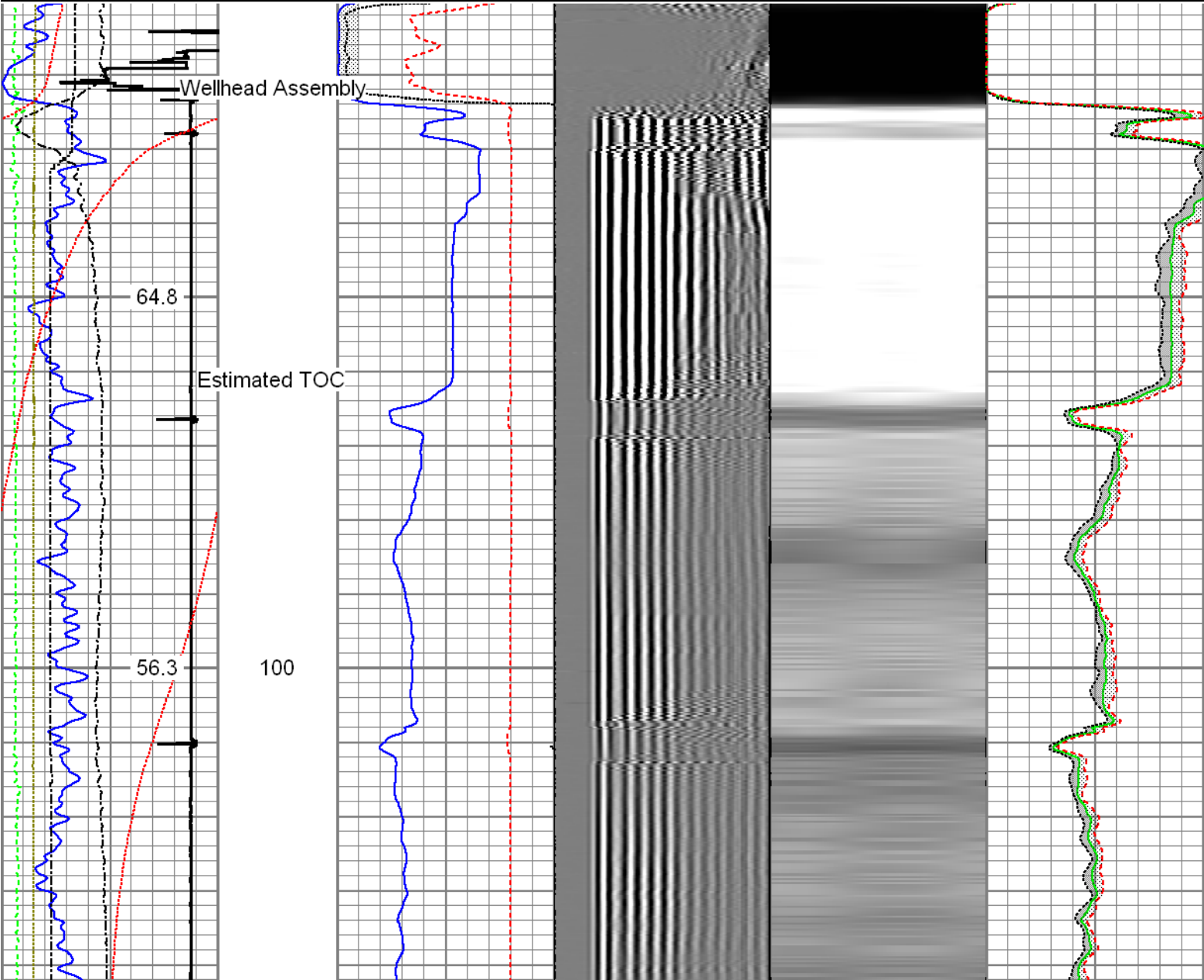


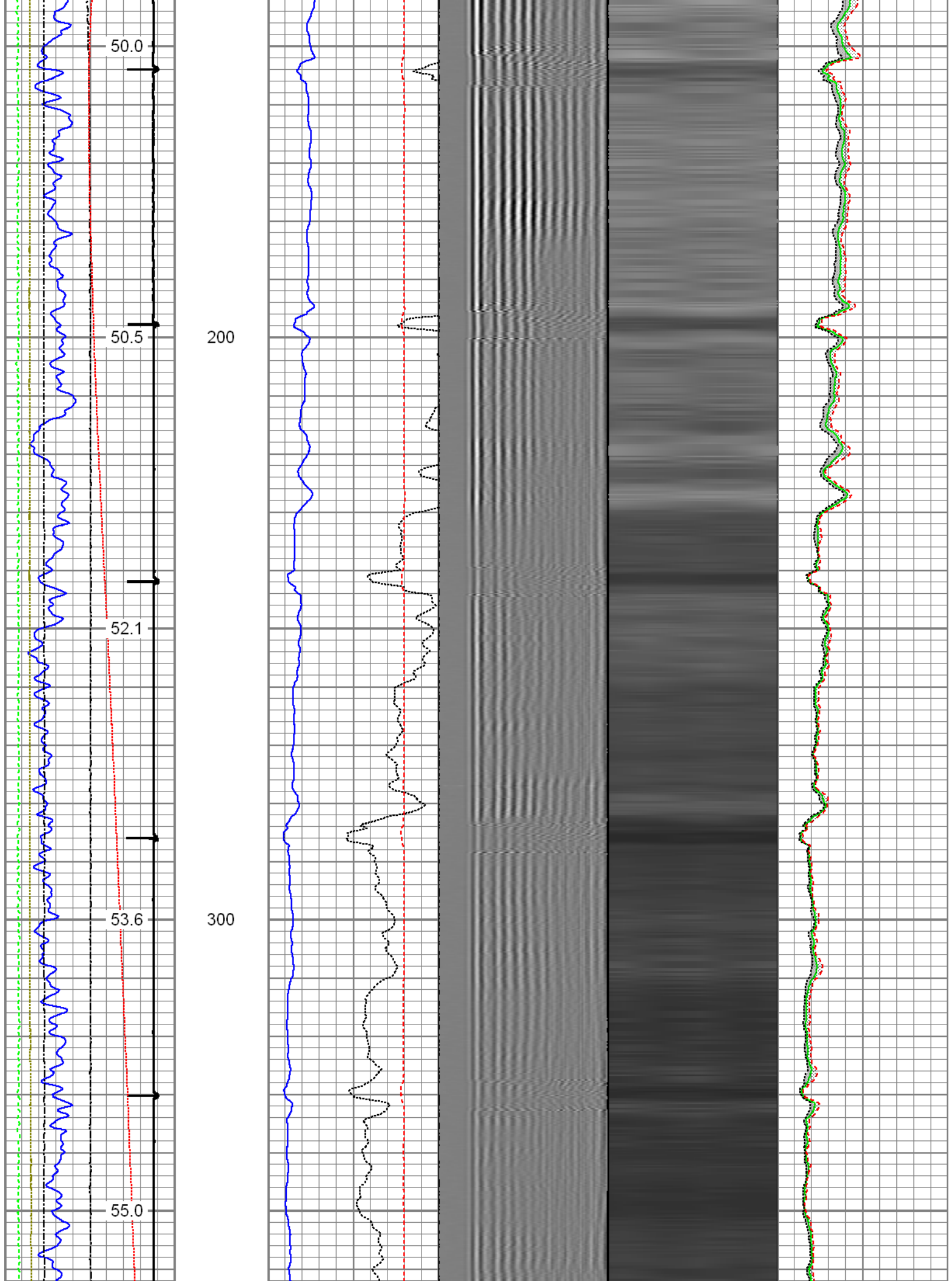
<<< Fold Here >>>
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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 6,474 FT Adjusted +0 FT to correlate to liner top Gauge Ring/Junk Basket ran to 7,169 FT Log ran from as deep as possible in heel to surface Logging tools were clean and free of debris upon completion of operations  Thank you for choosing FMC Technologies Completion Services, Inc.!!

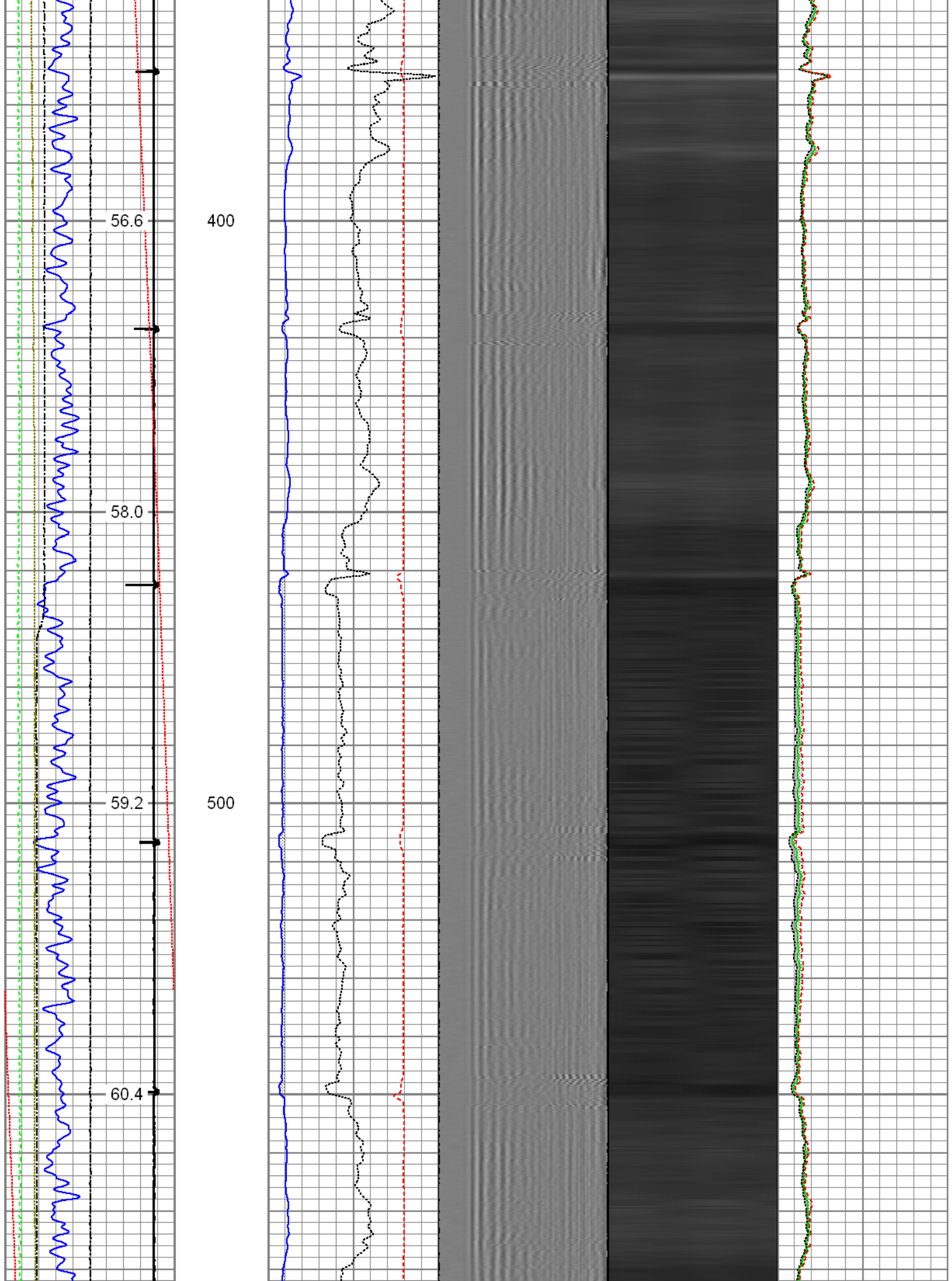


Database File: 0512340964\_anadarko\_cream 37n-28hz\_07-21-15\_mit\_rbl.db  
Dataset Pathname: pass4  
Presentation Format: rbt4\_mit  
Dataset Creation: Tue Jul 21 12:12:57 2015 by Log 7.0 B1  
Charted by: Depth in Feet scaled 1:240

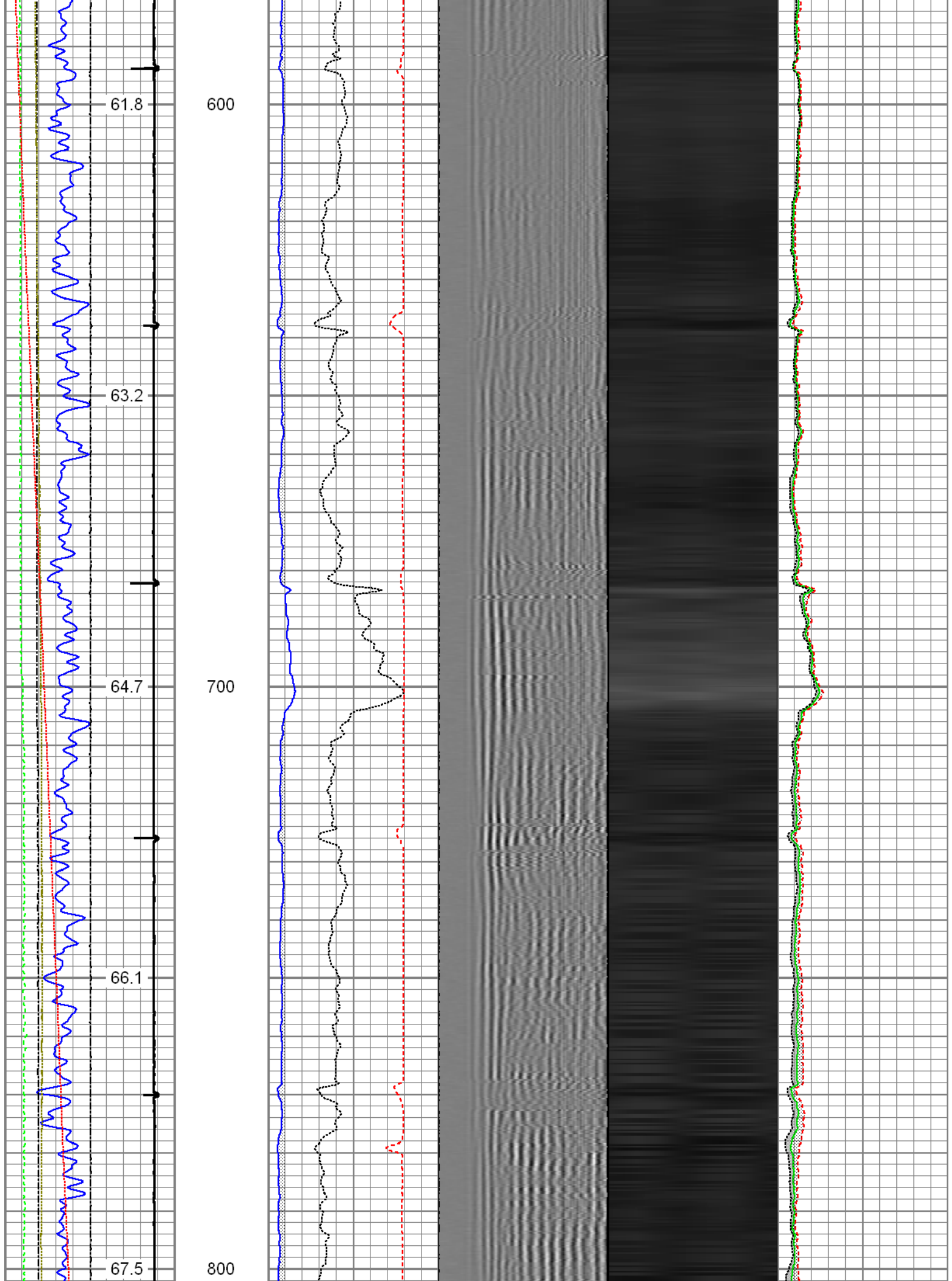
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Mimimum Amplitude
Line Speed	0 (mV) 20			0 100
-100 (ft/min) 100	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000				
Differential Temperature				
-2 (degF) 2				
-10 Deviation (°) 90				
Temperature				
0 (degF) 20				

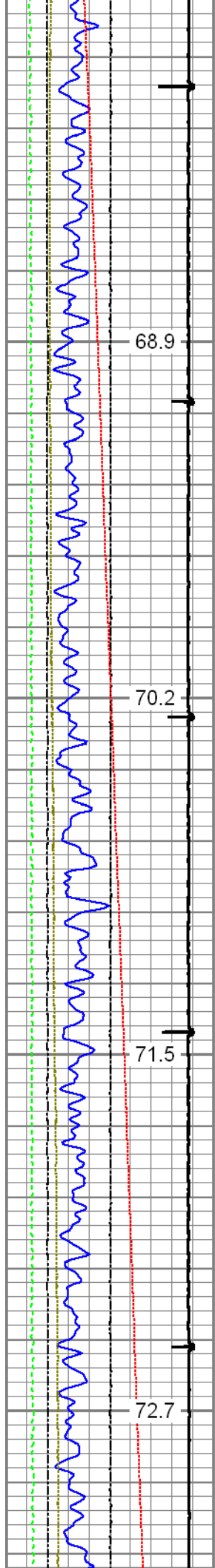






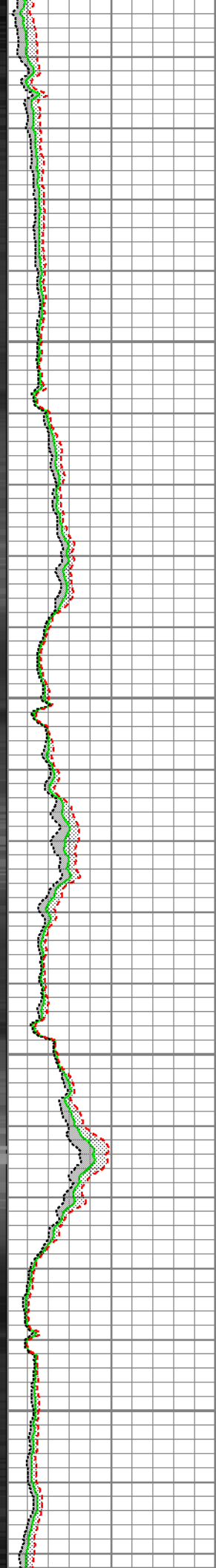
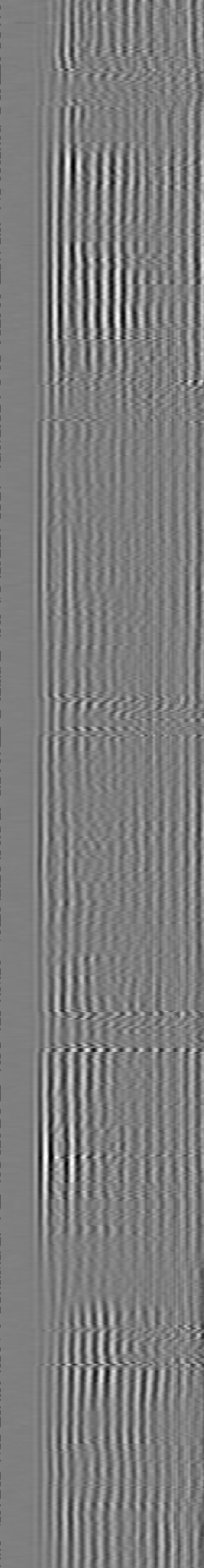
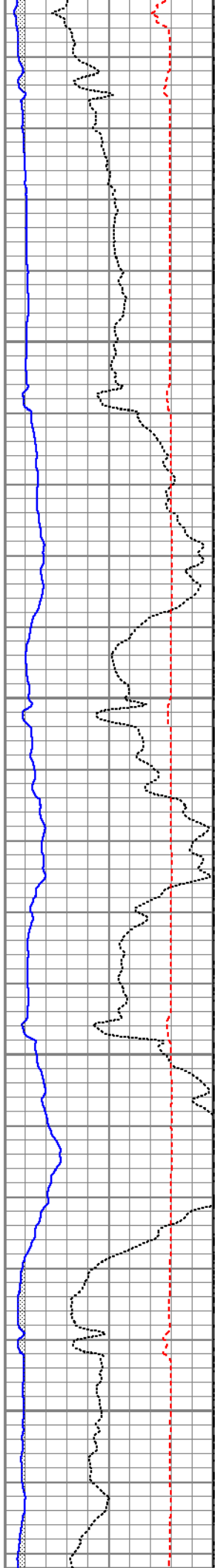


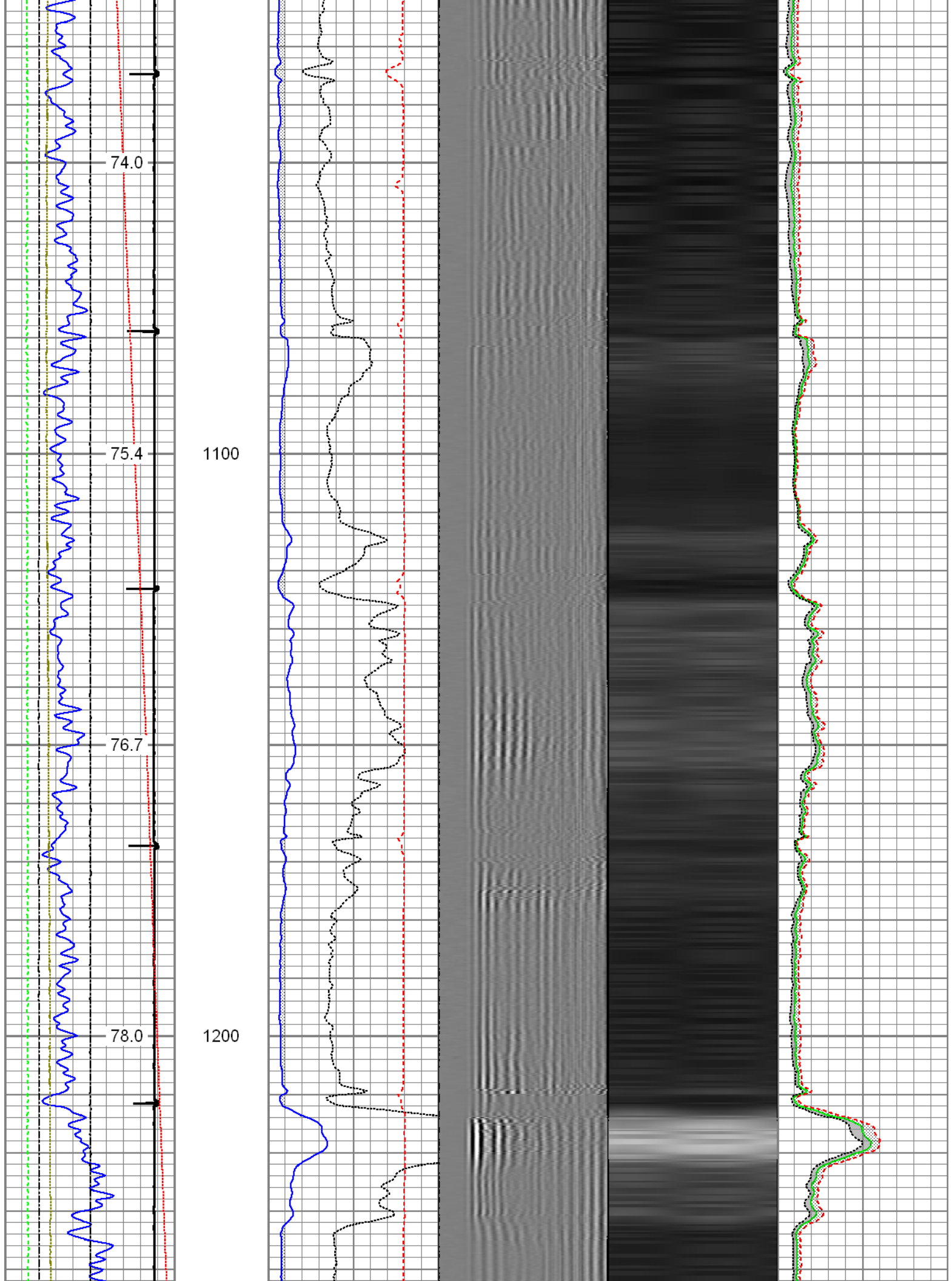


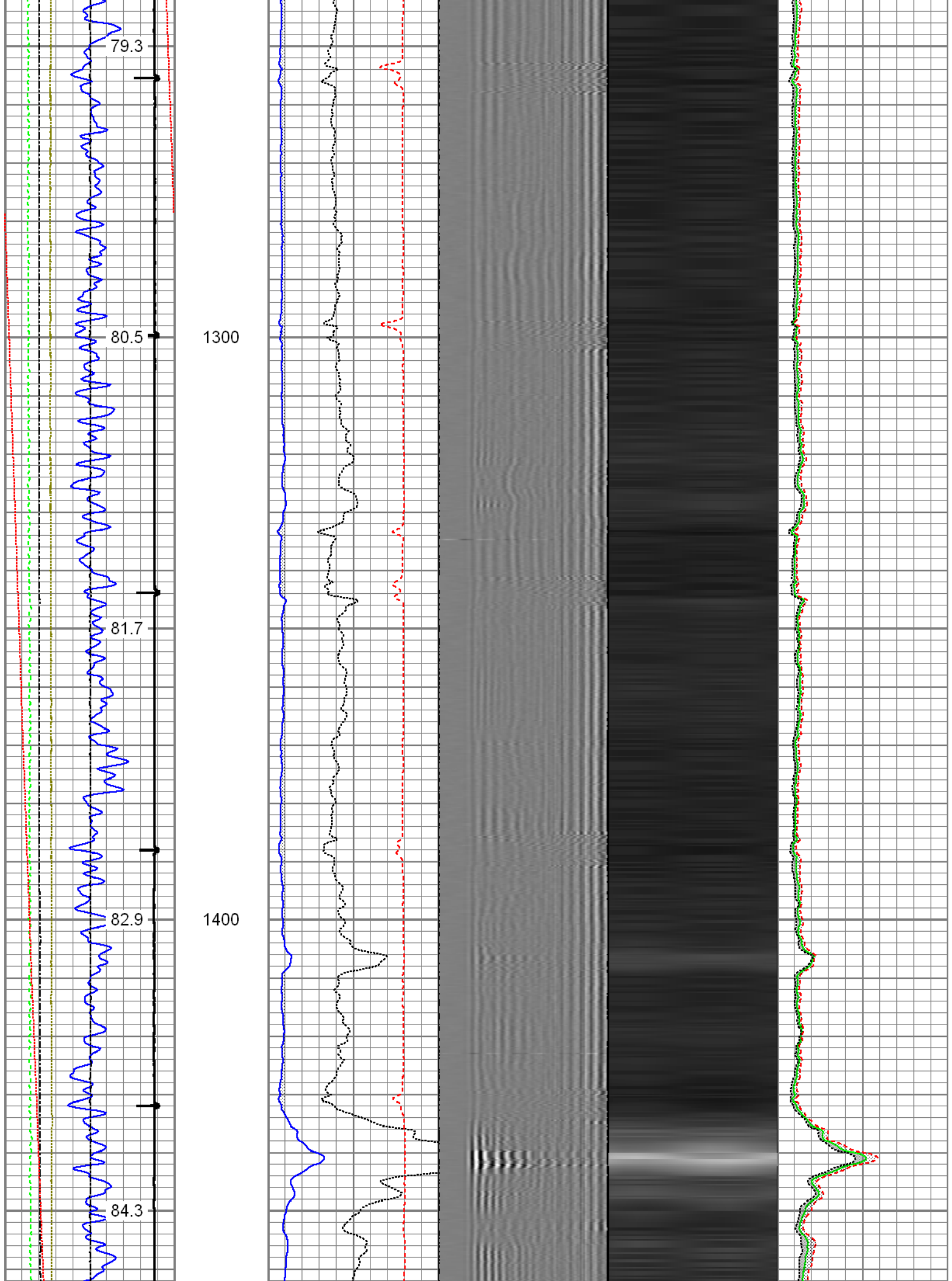


900

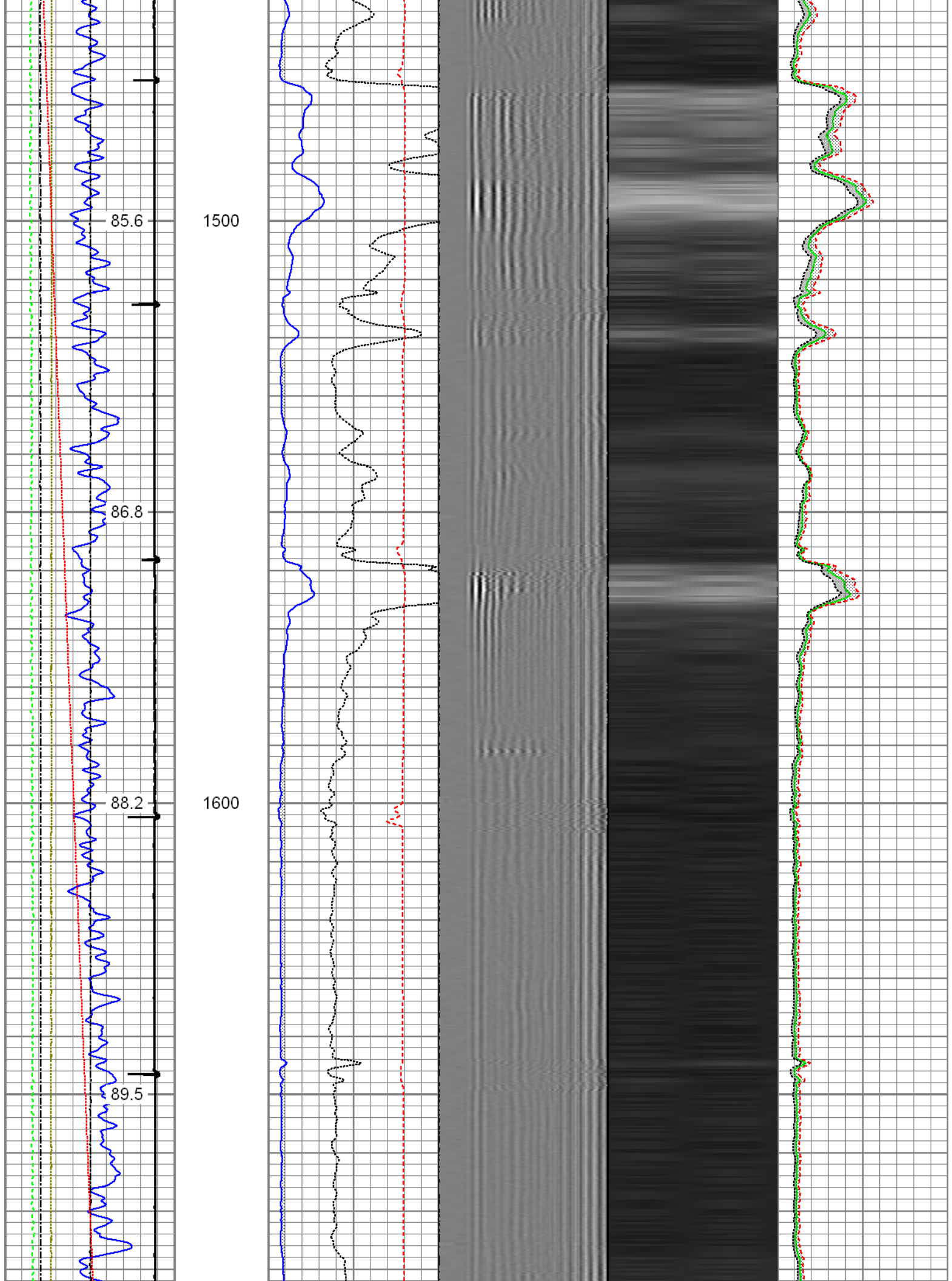
1000



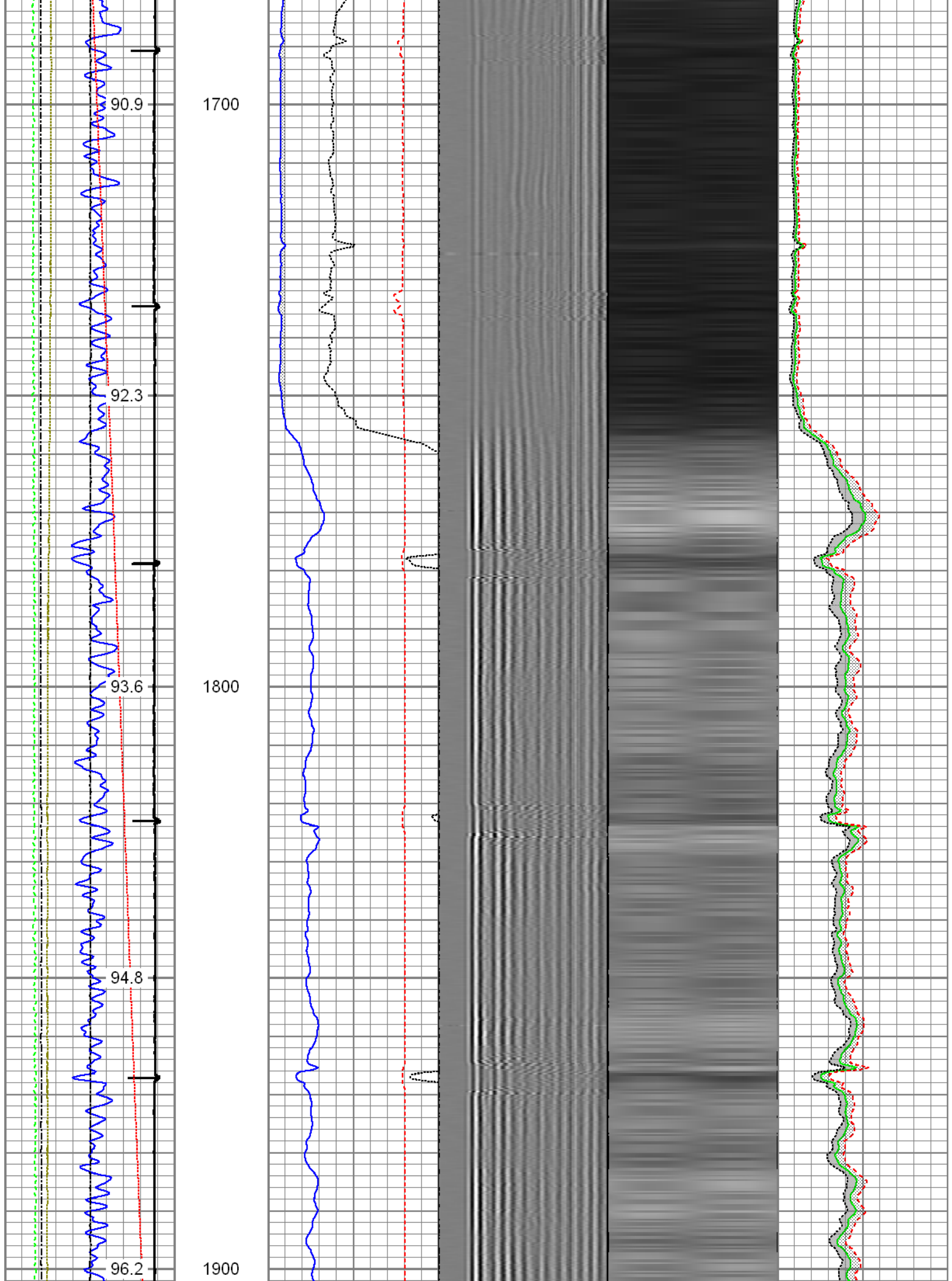


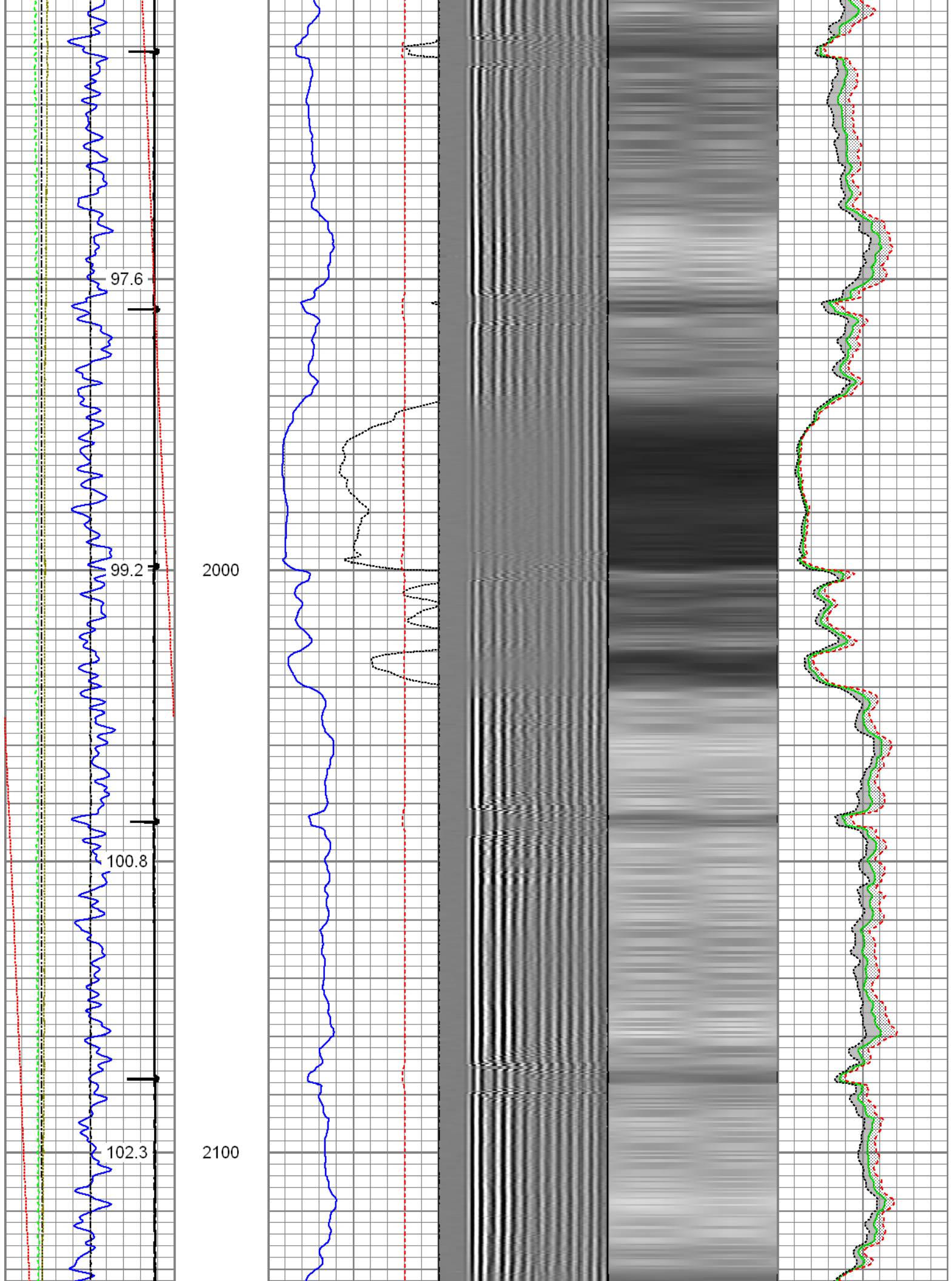


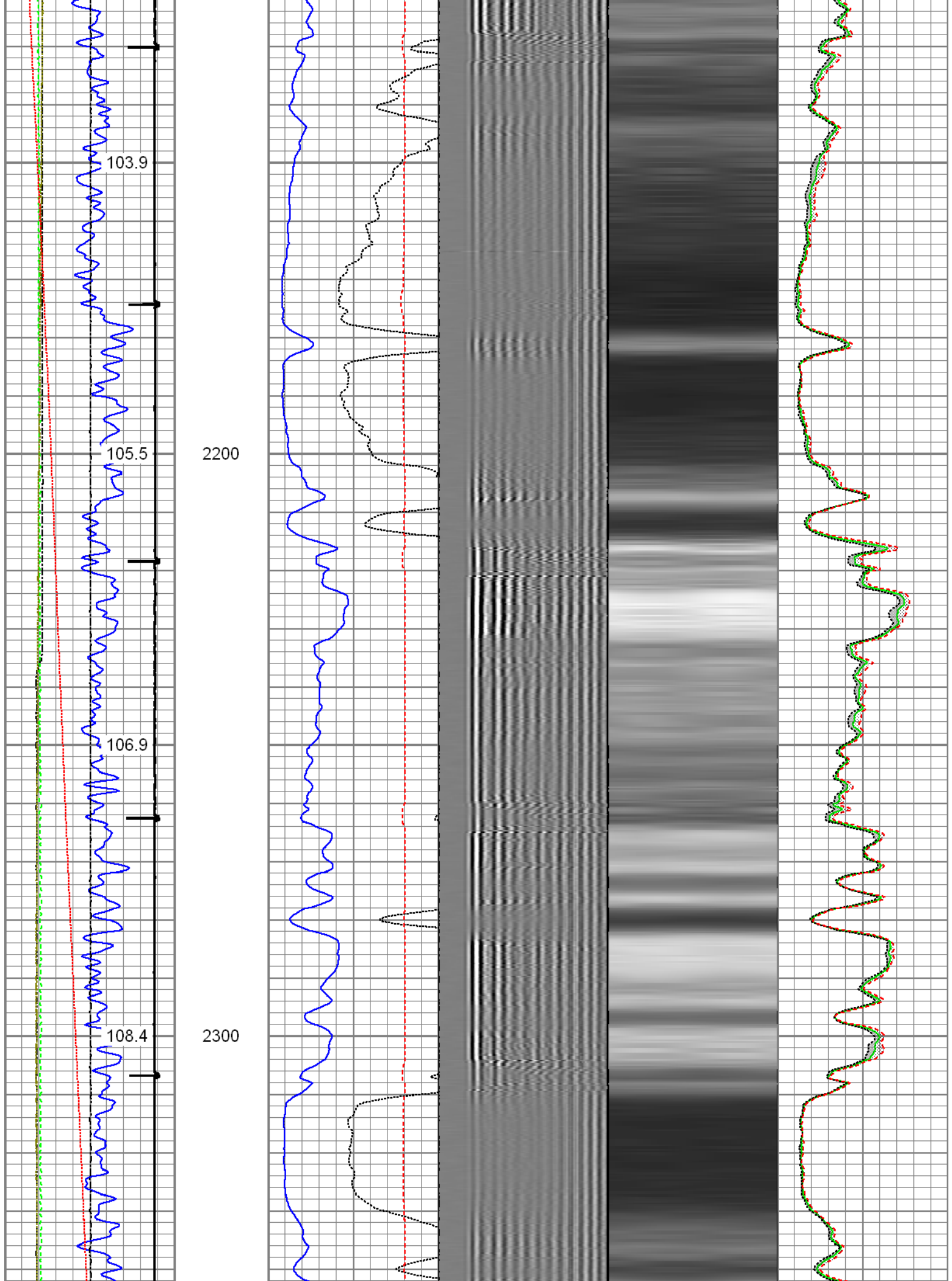


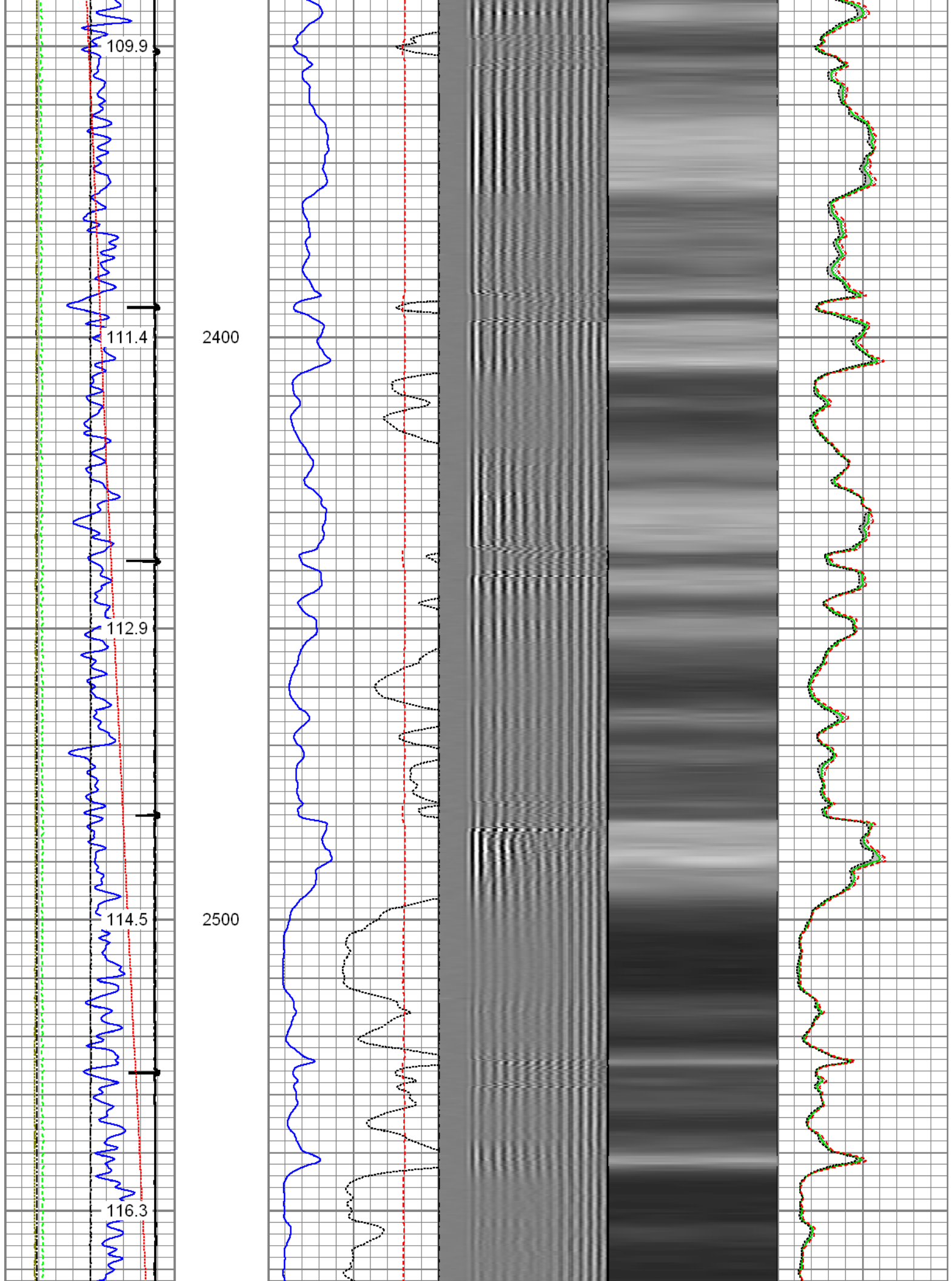




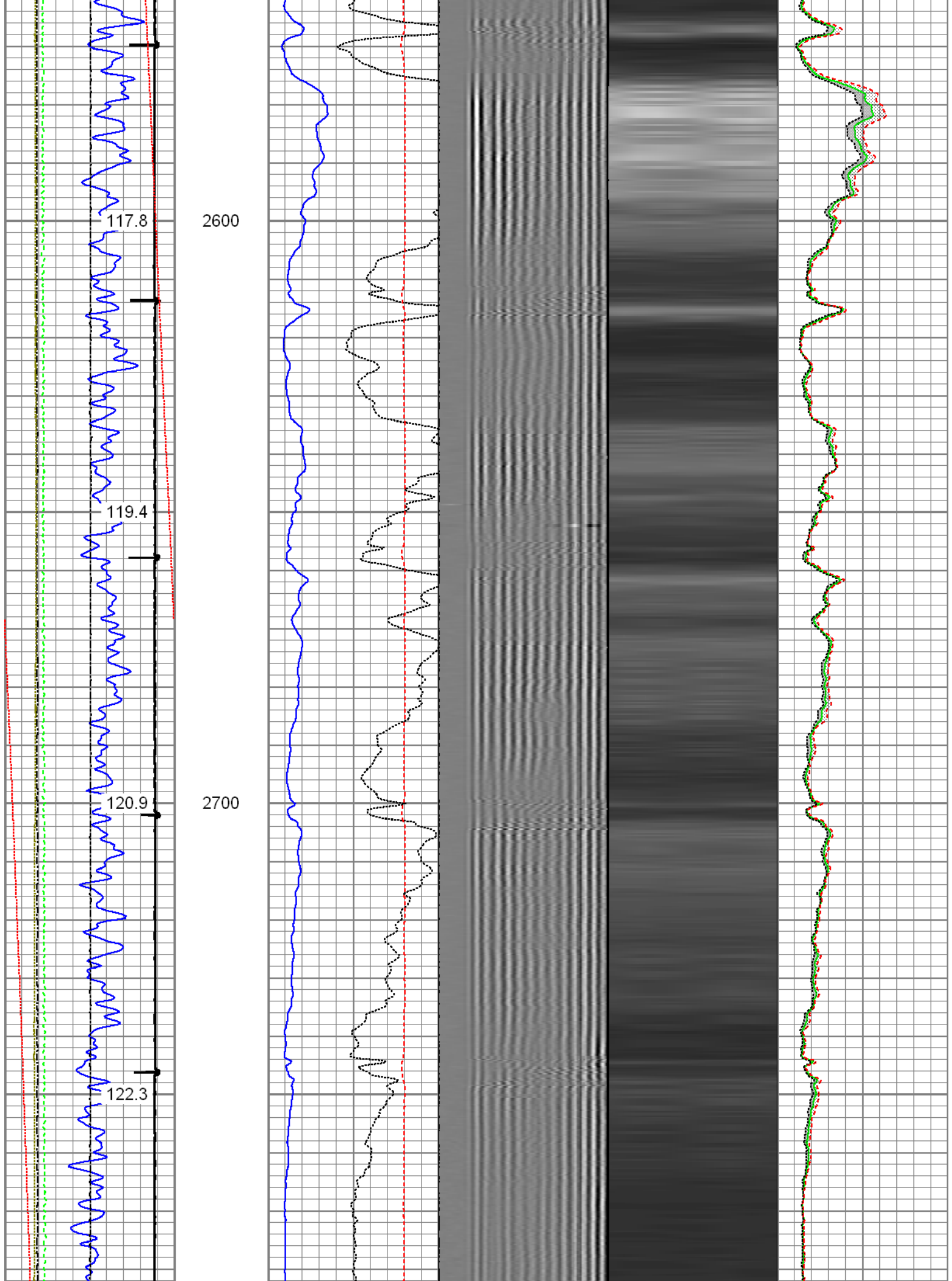




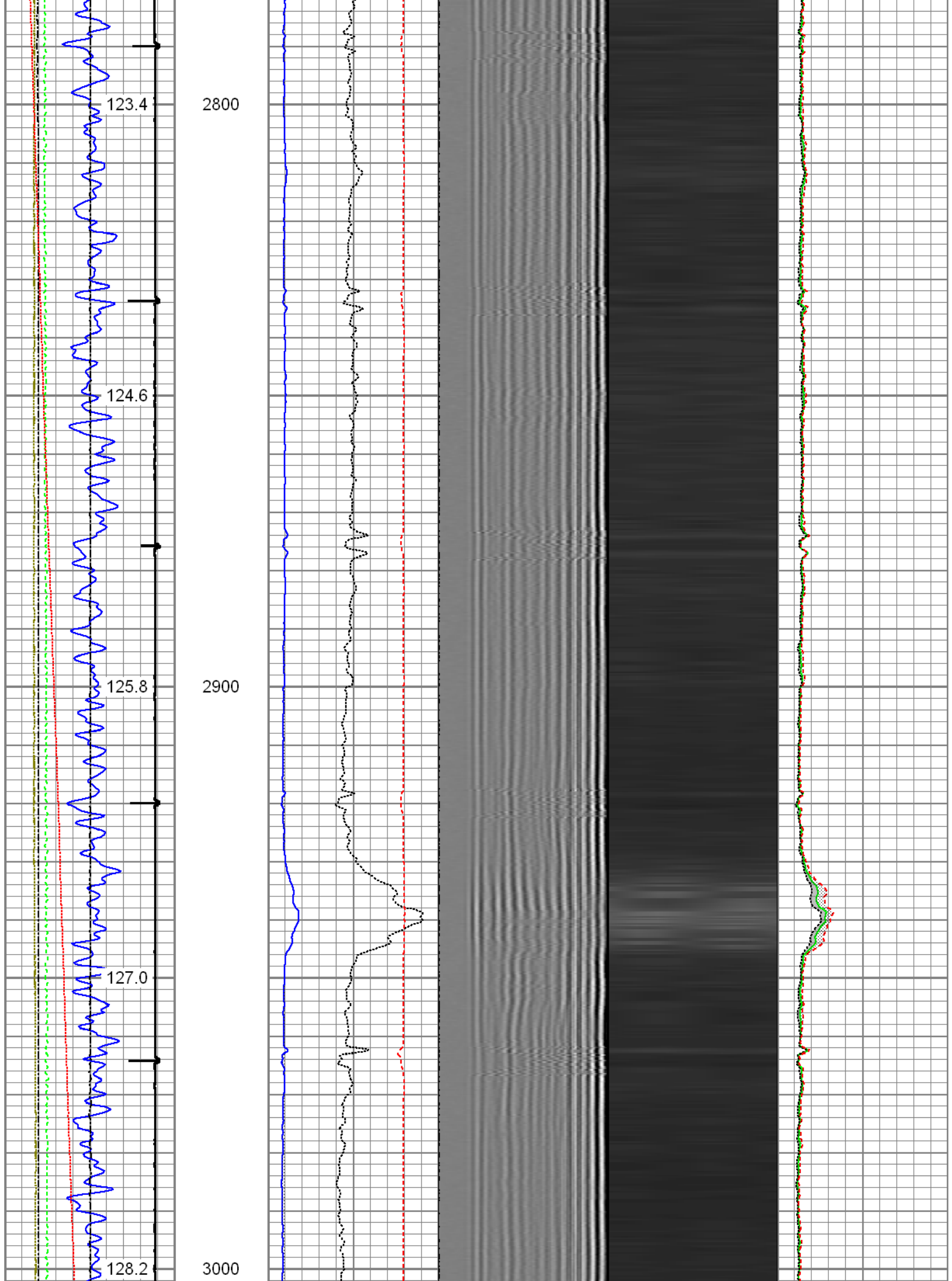


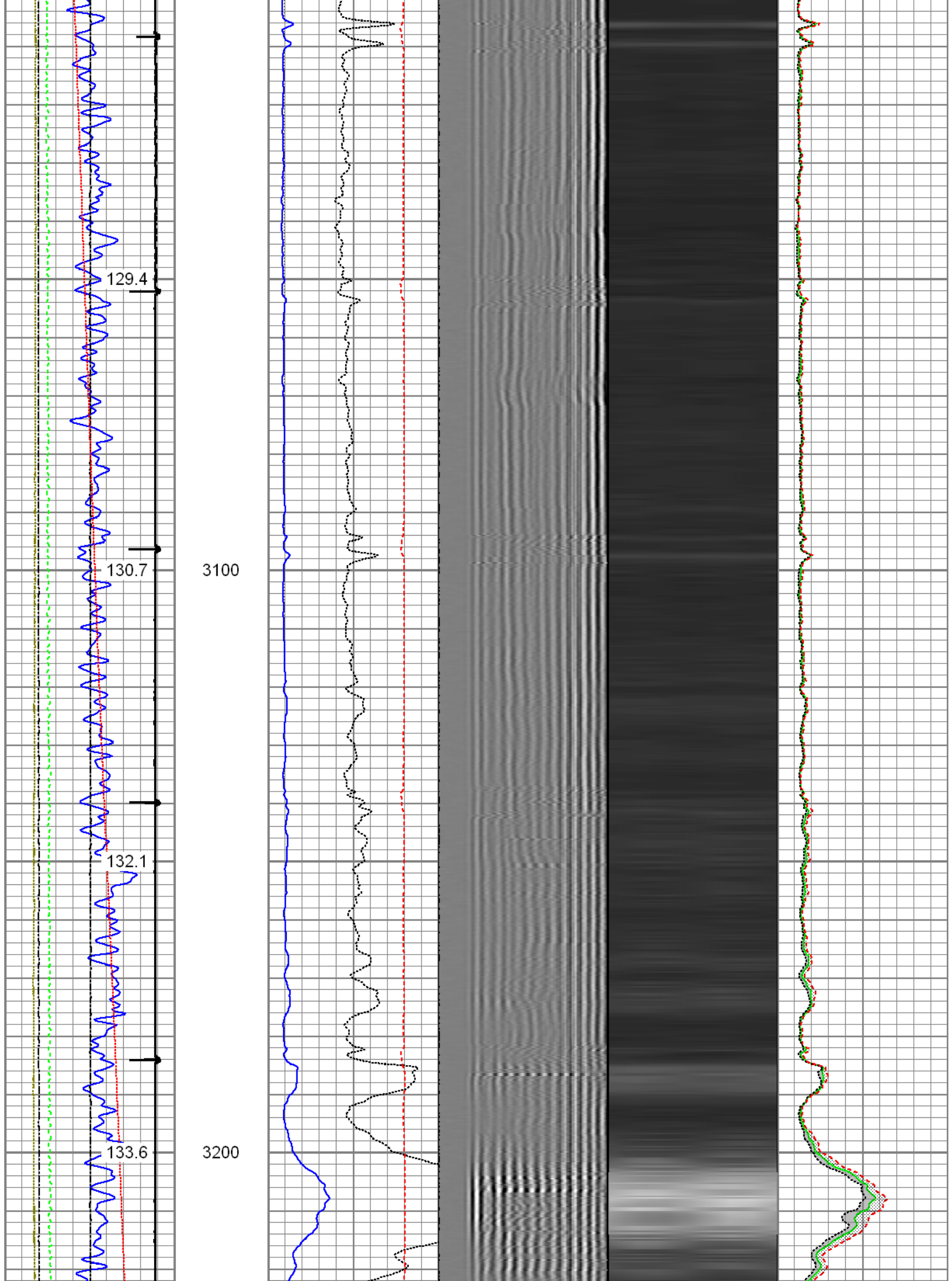


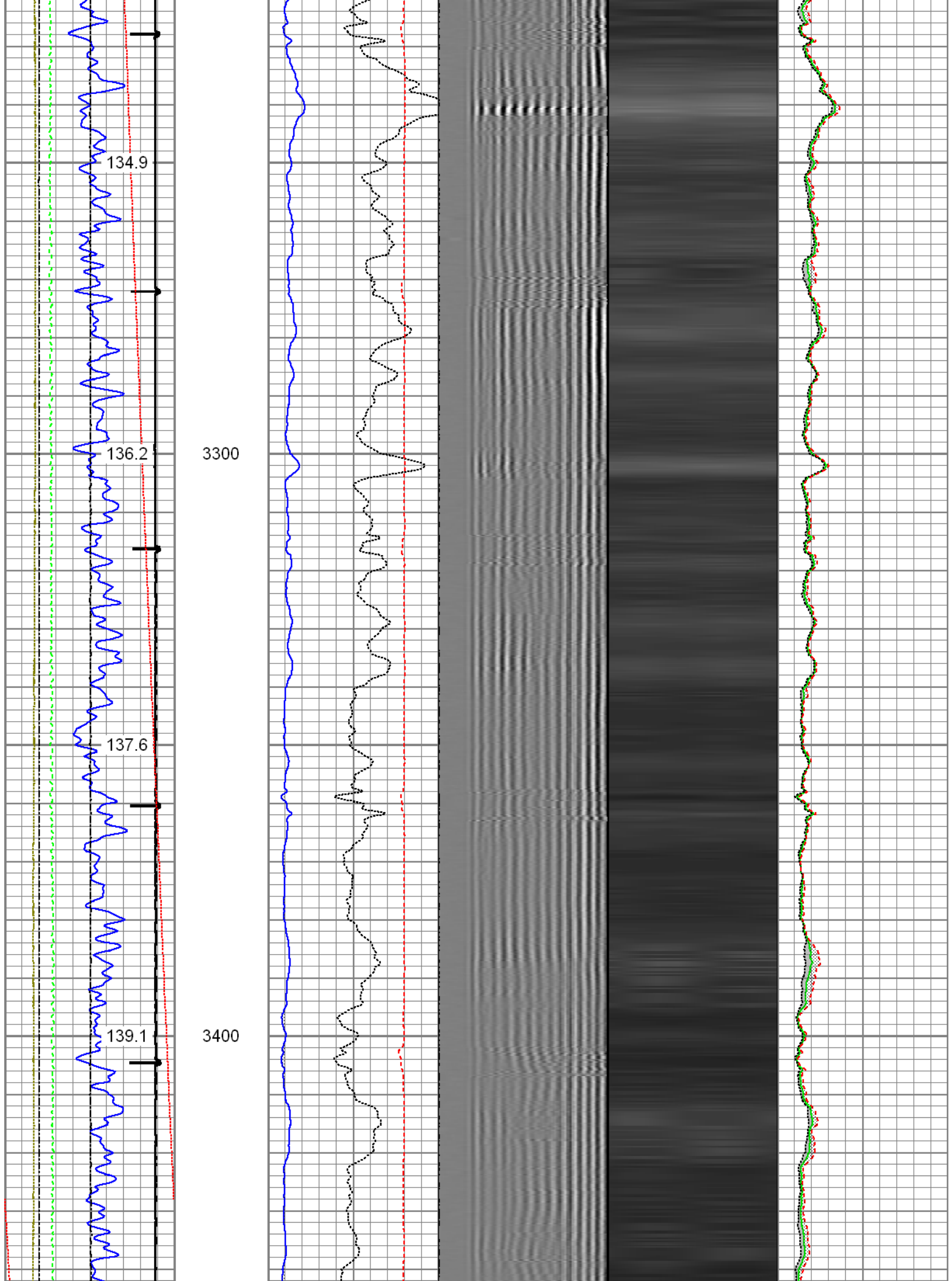


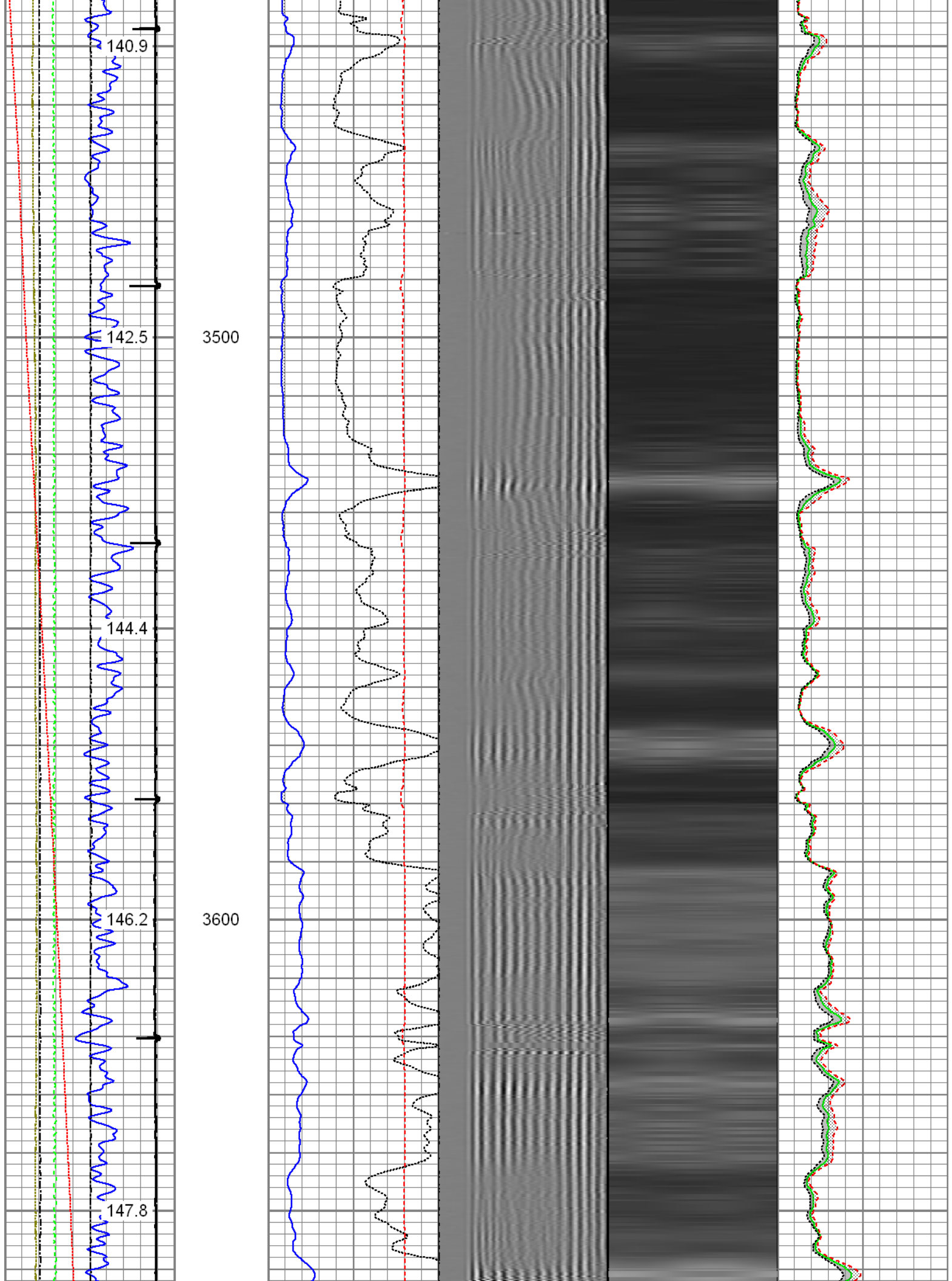




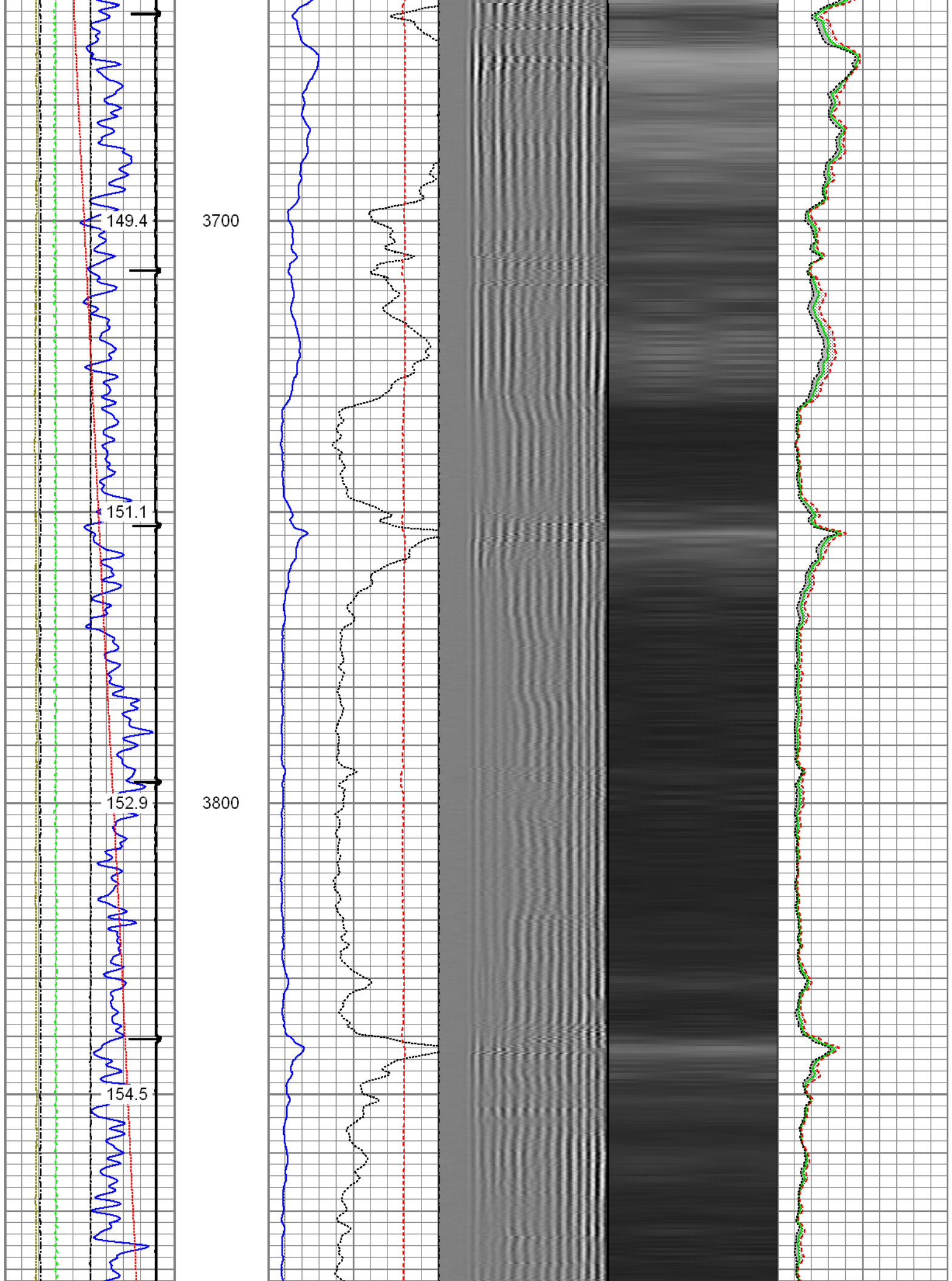




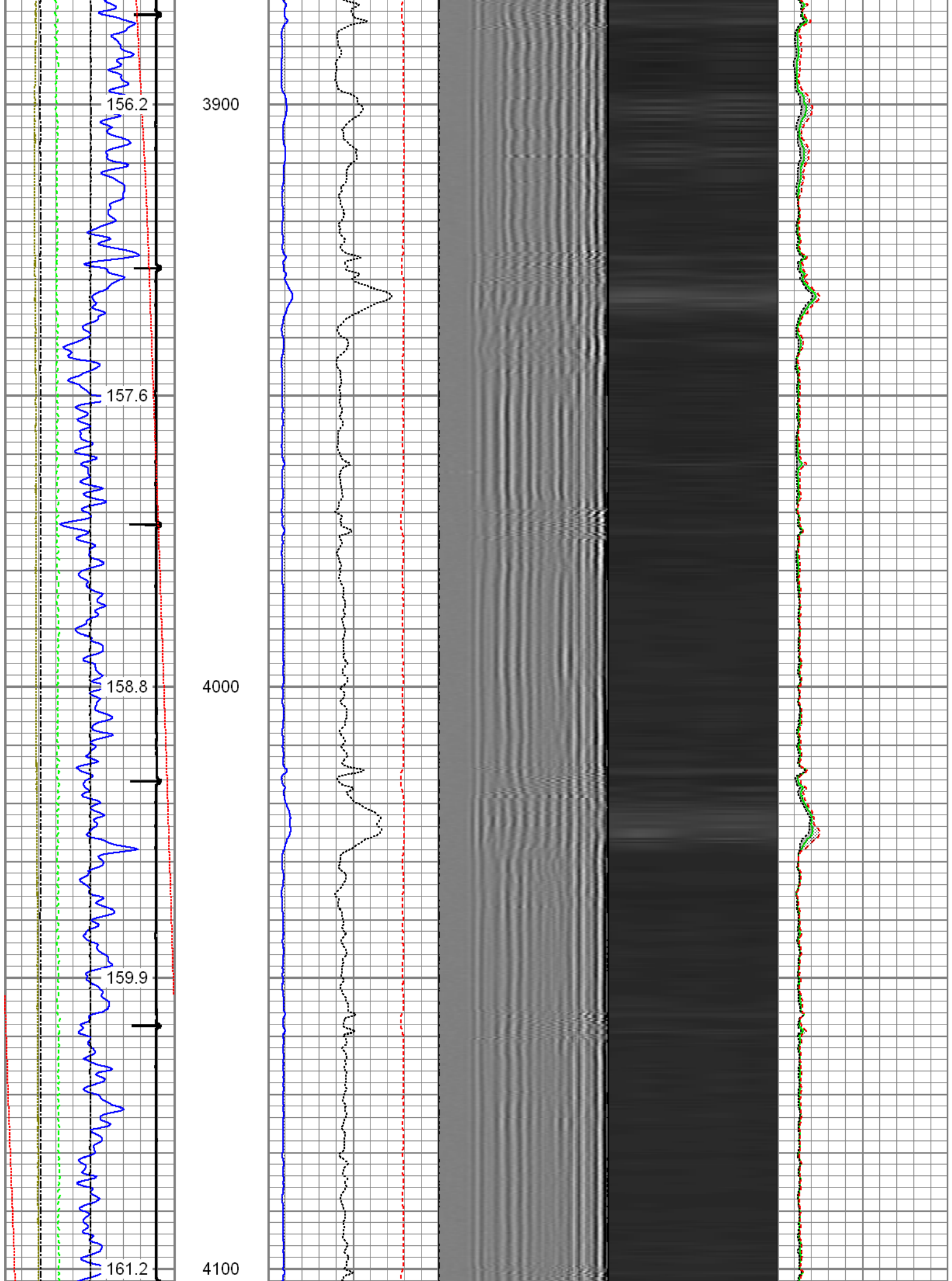


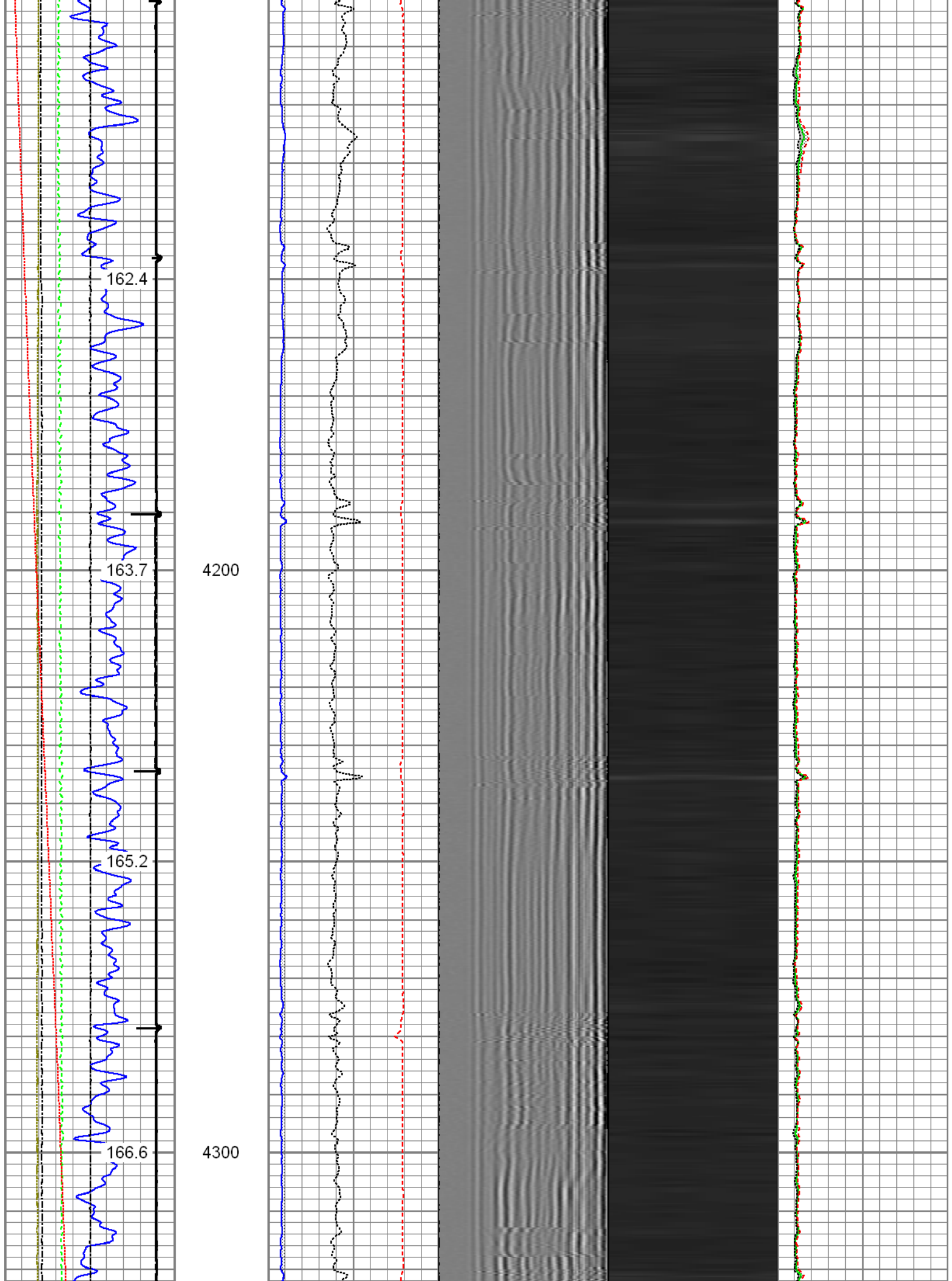


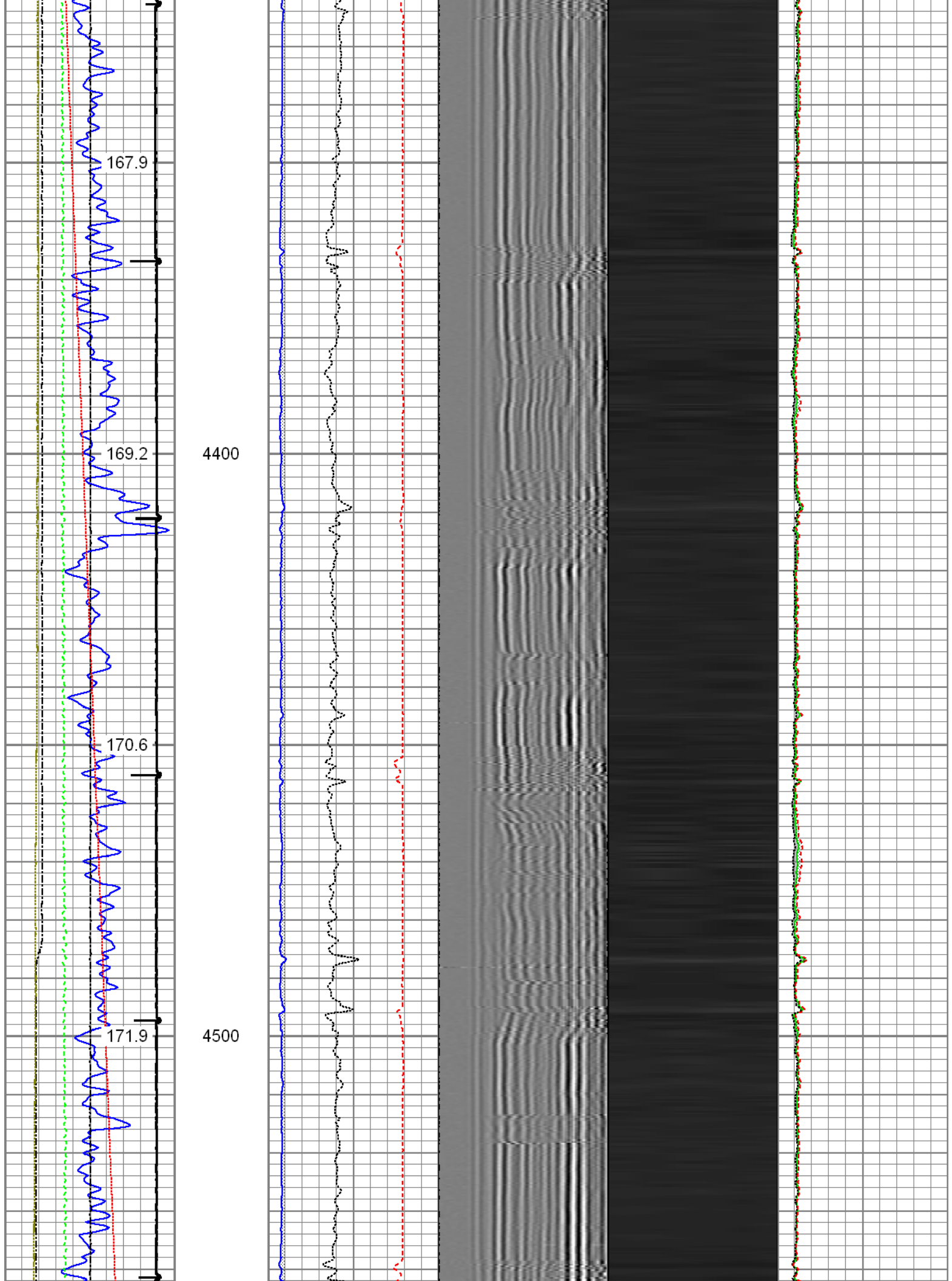


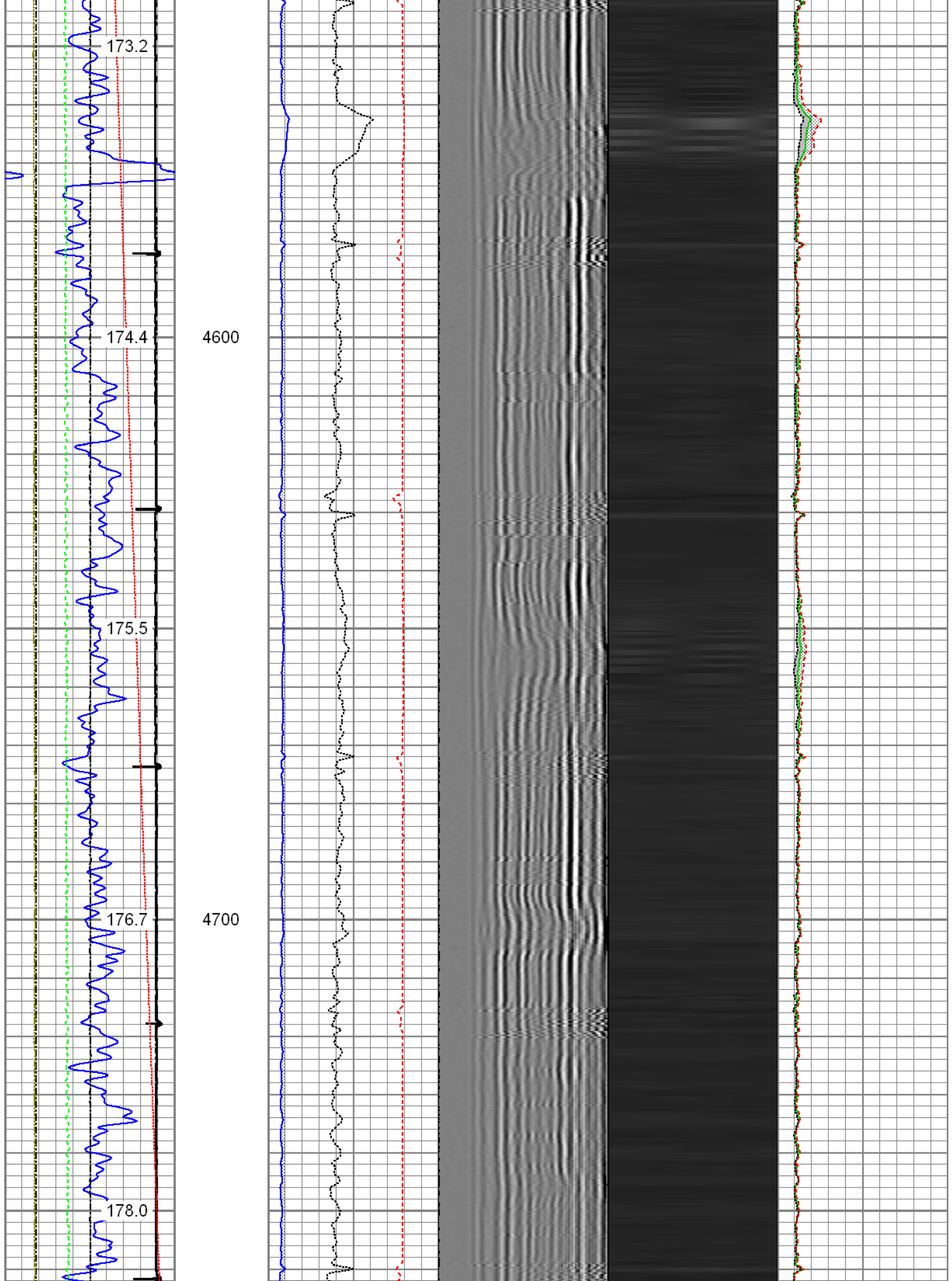




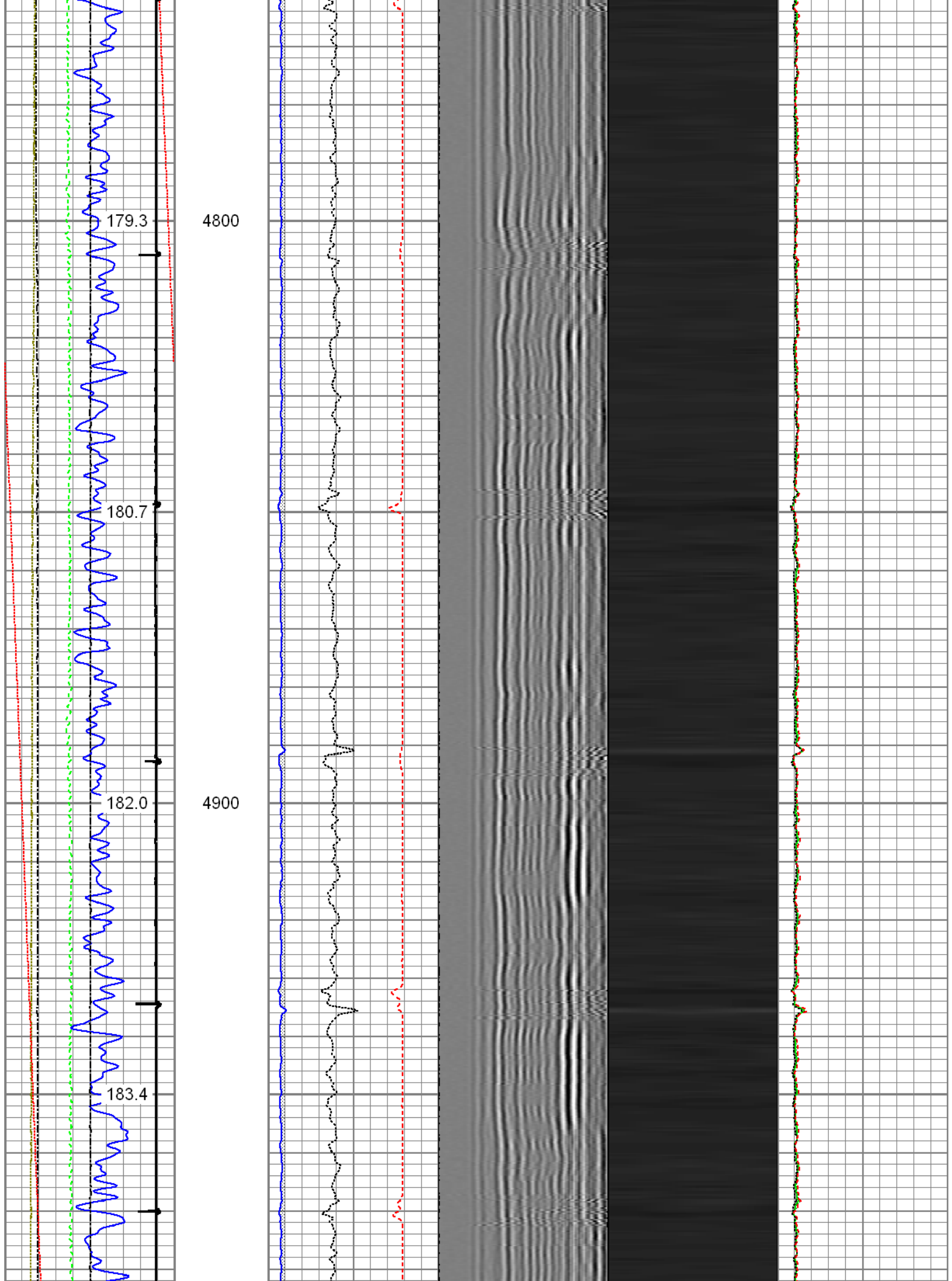


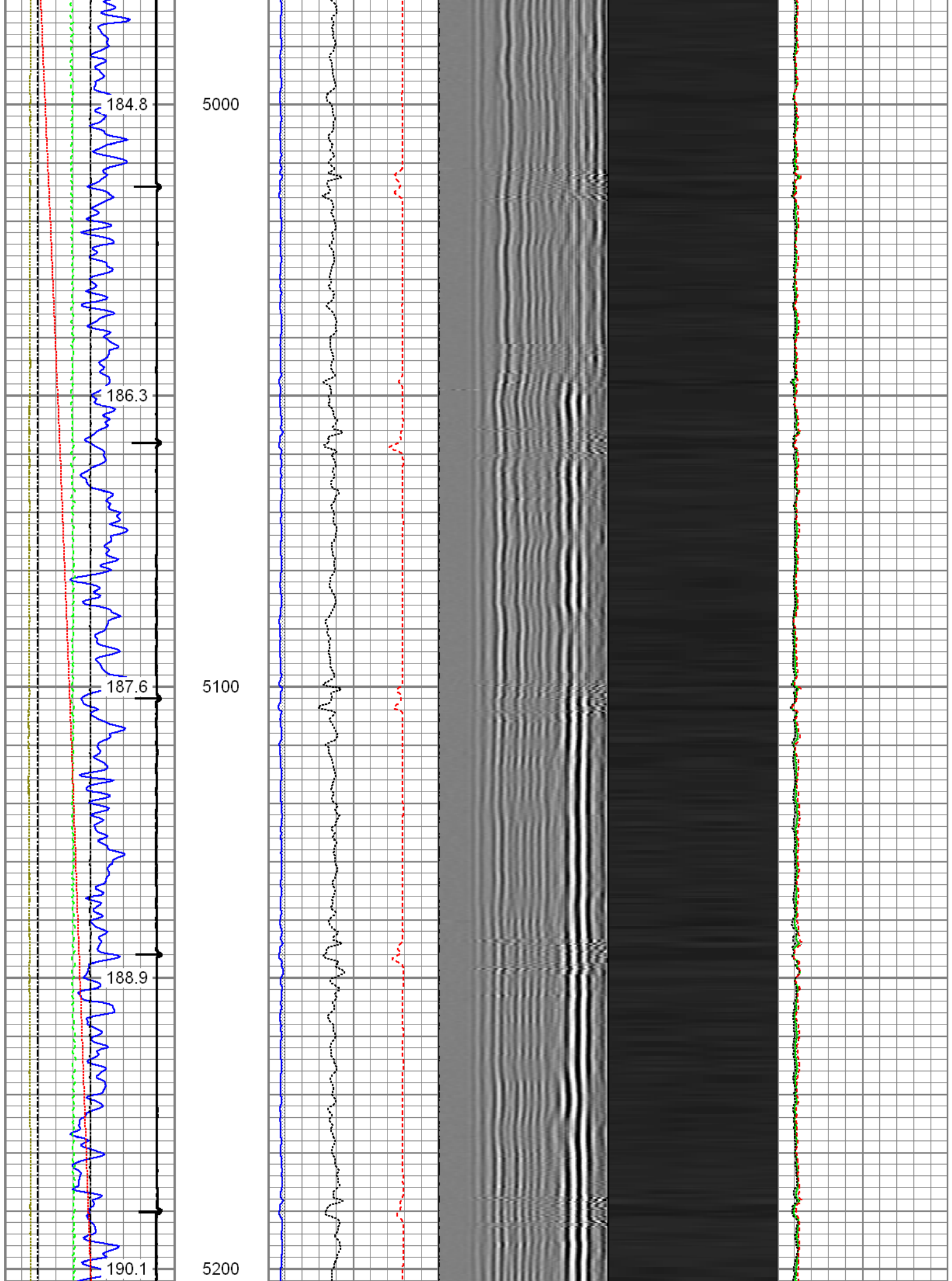


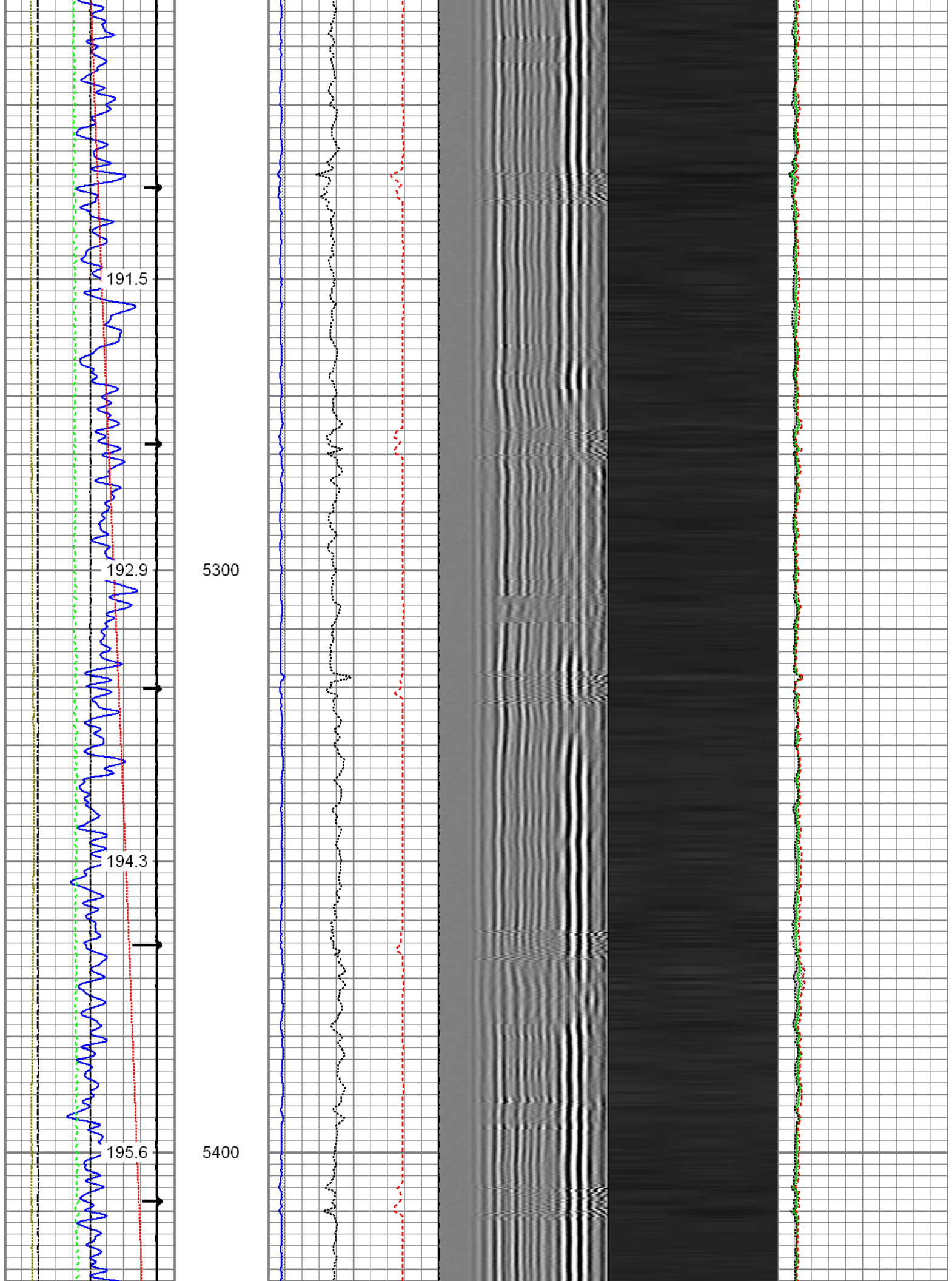


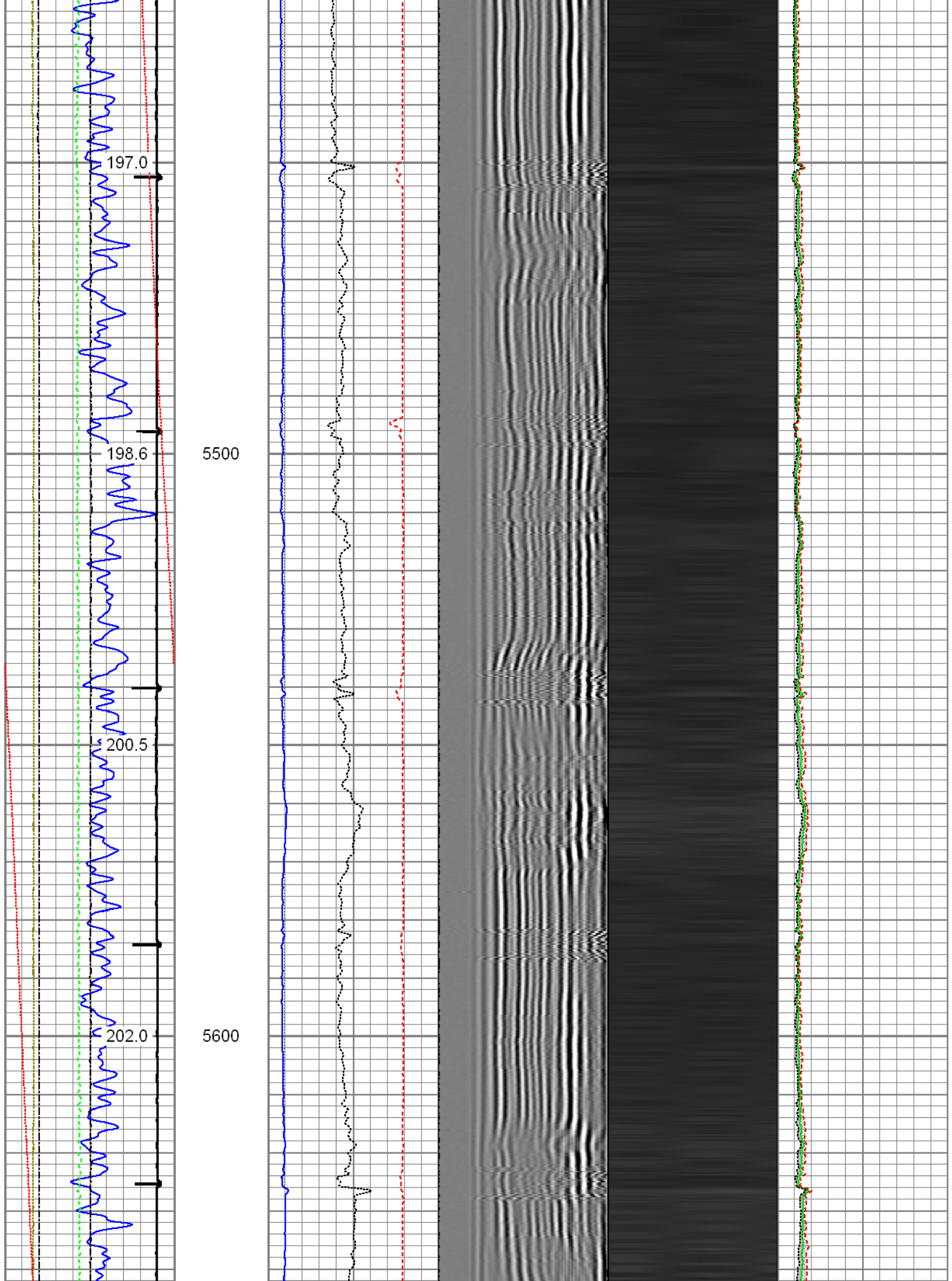




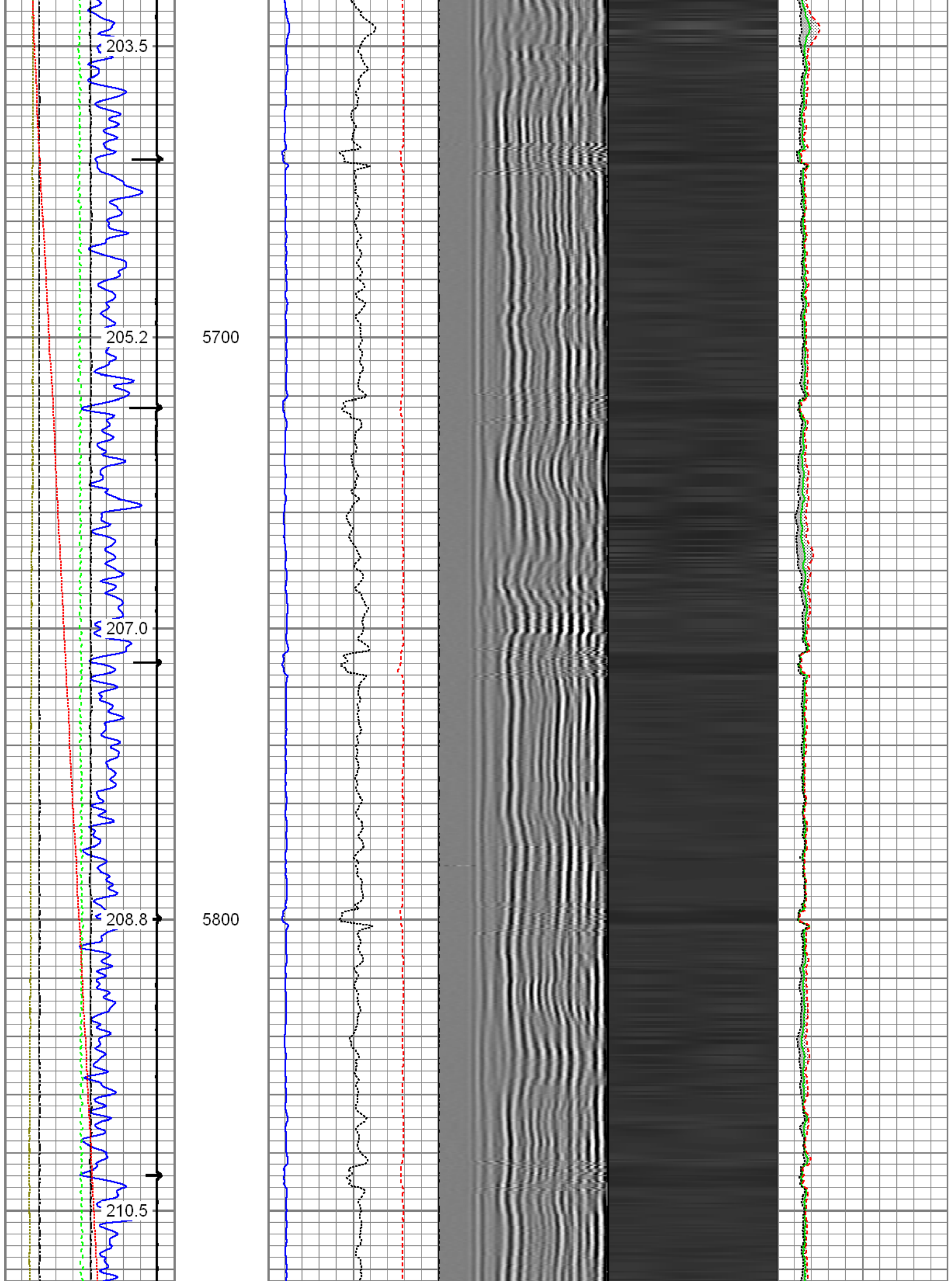


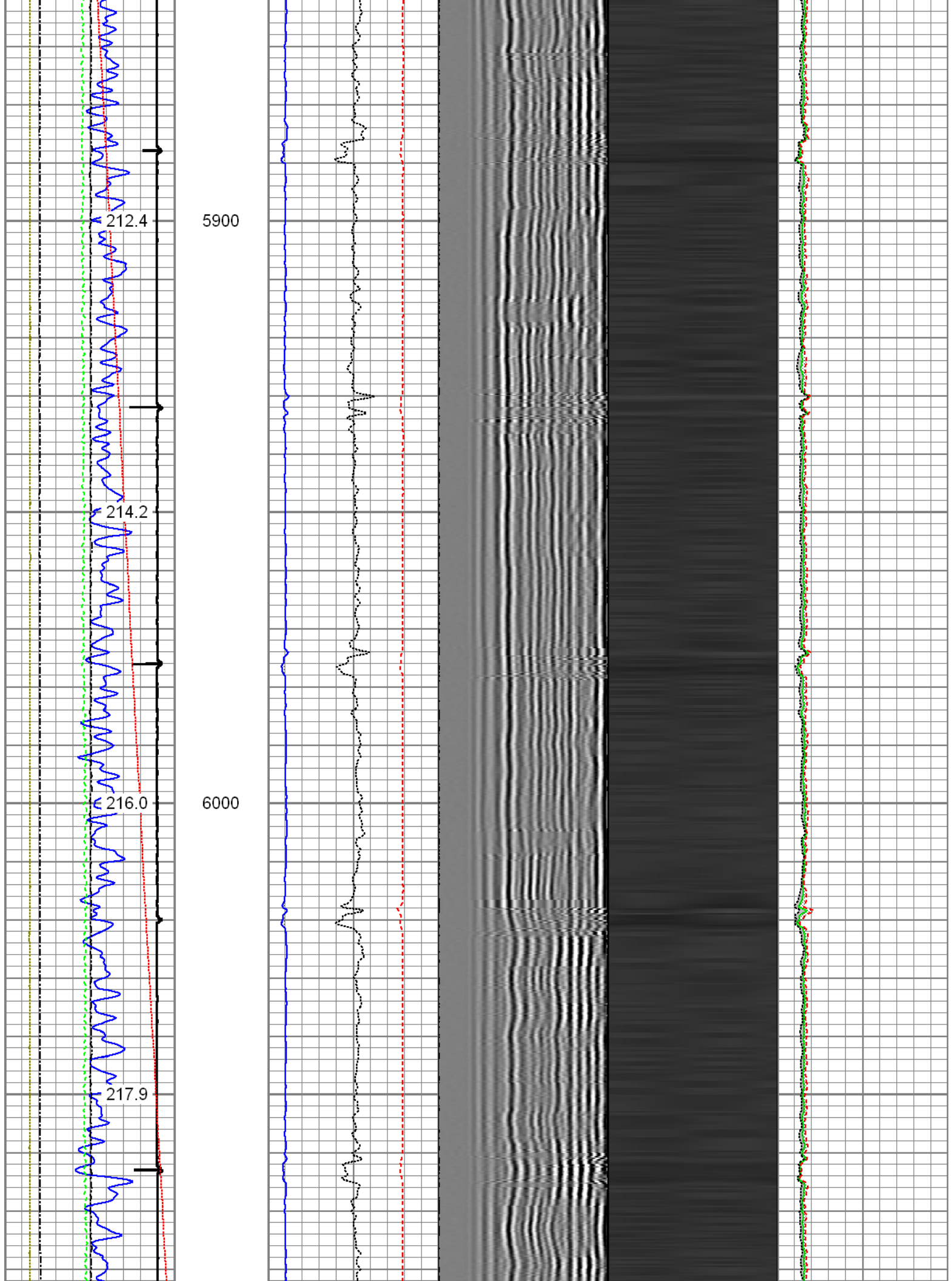


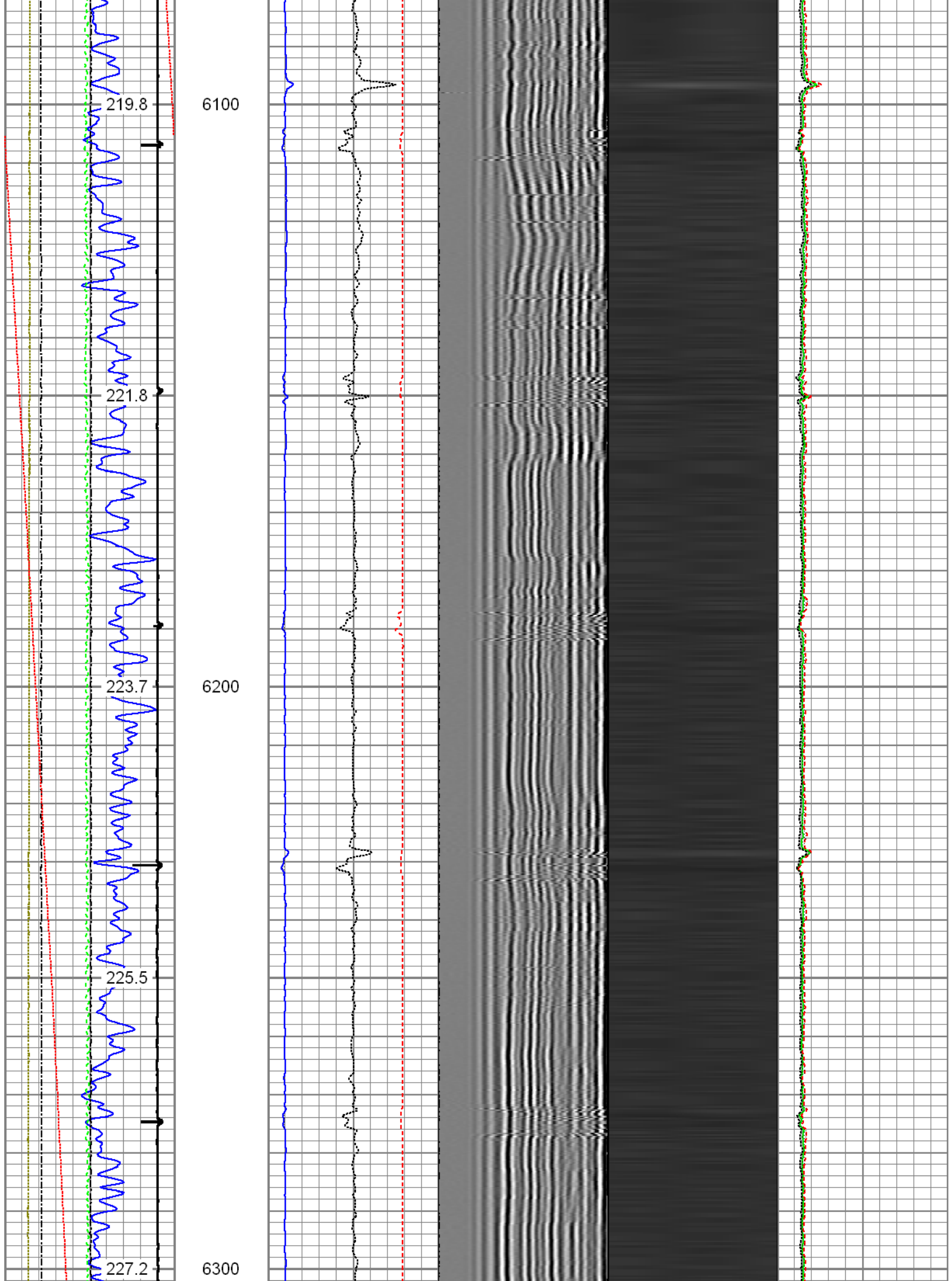


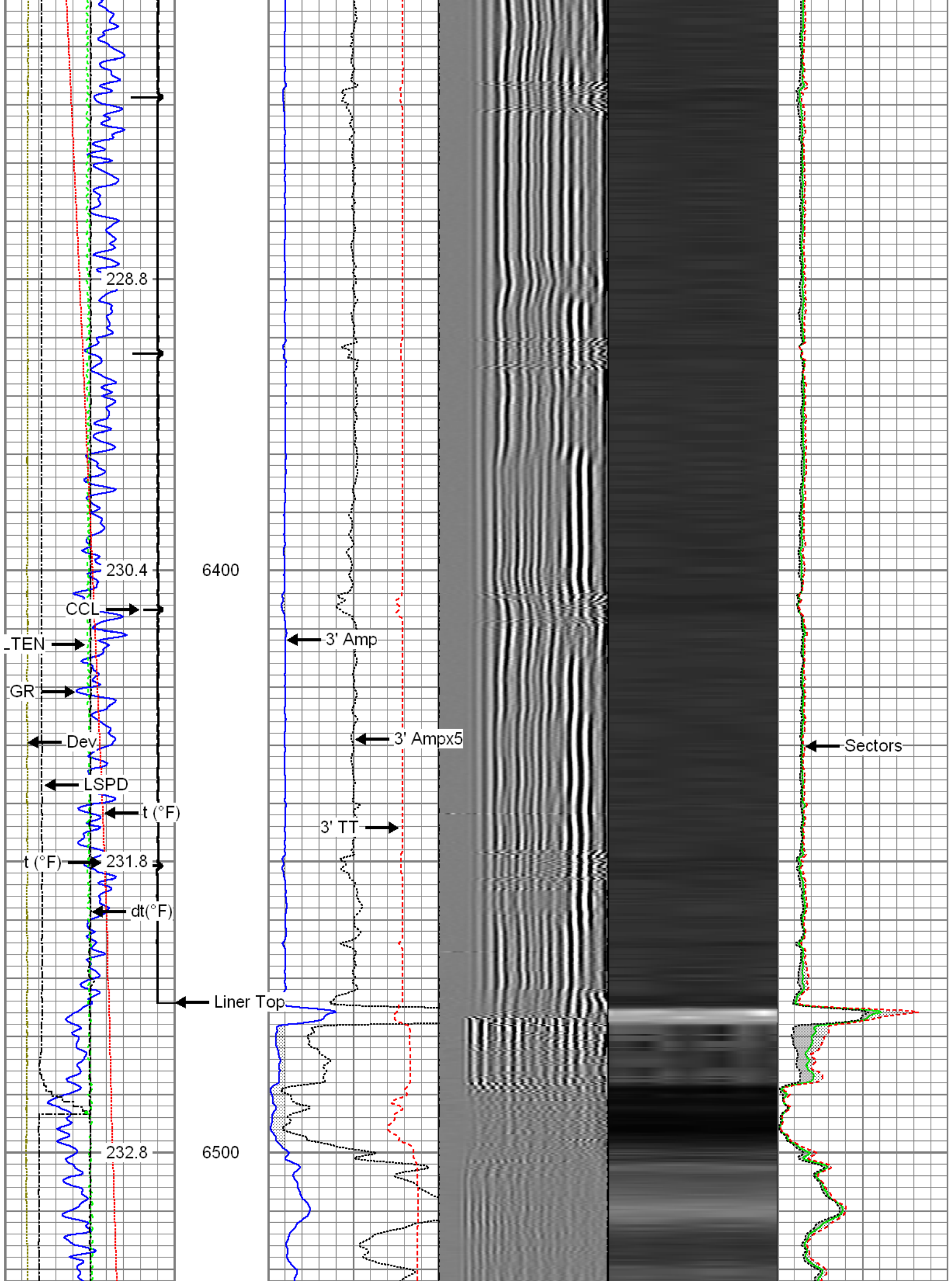




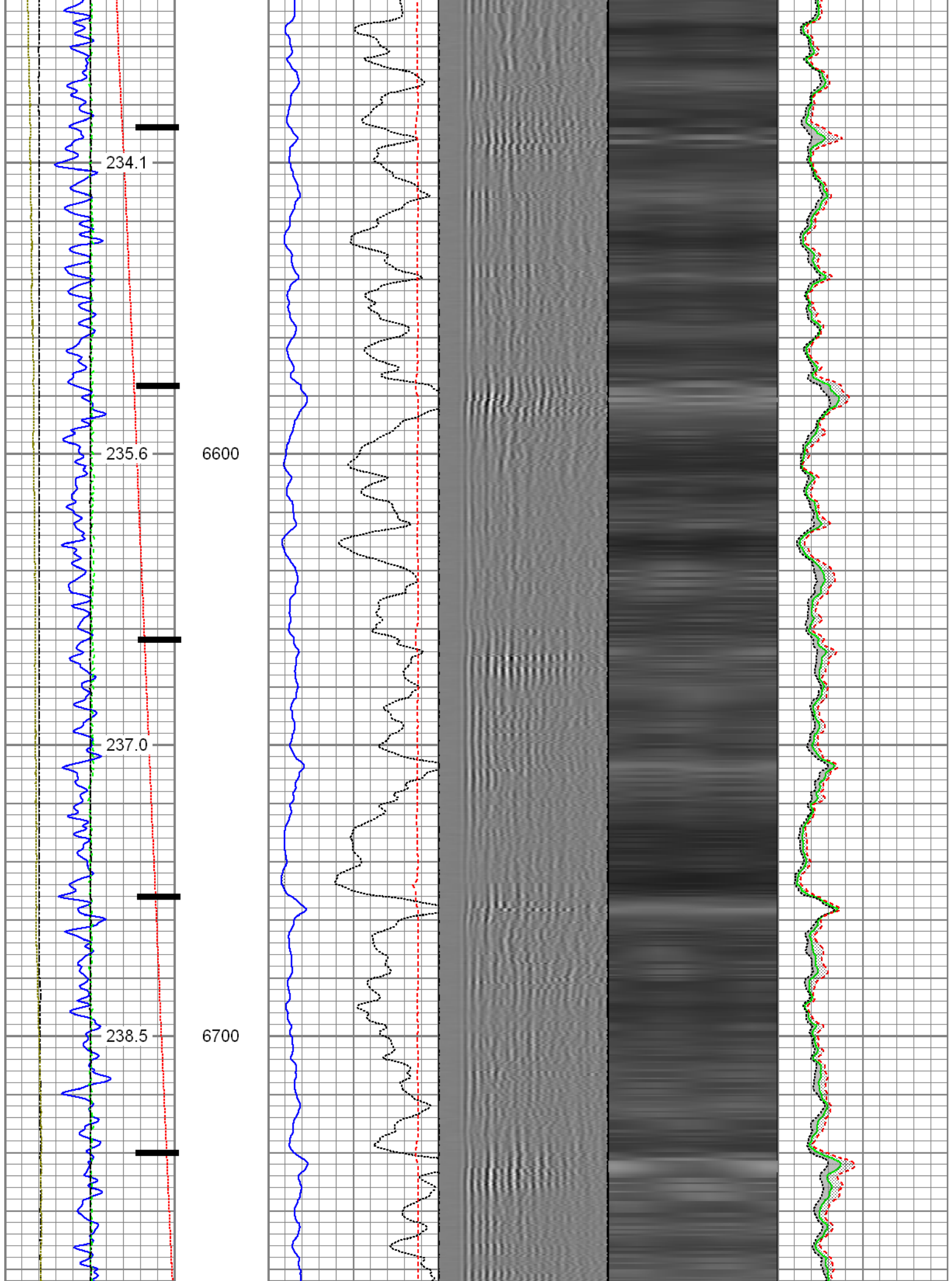


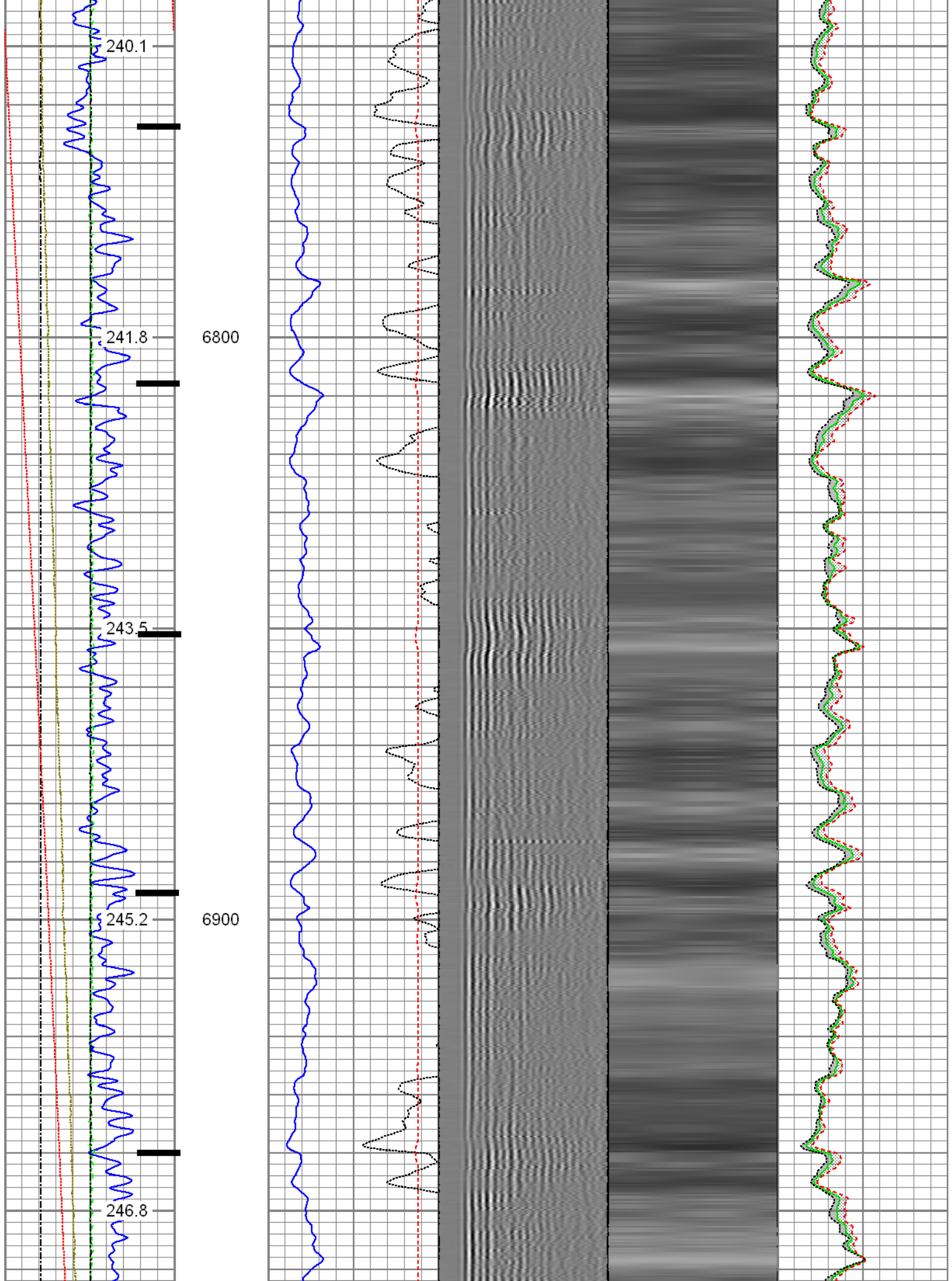


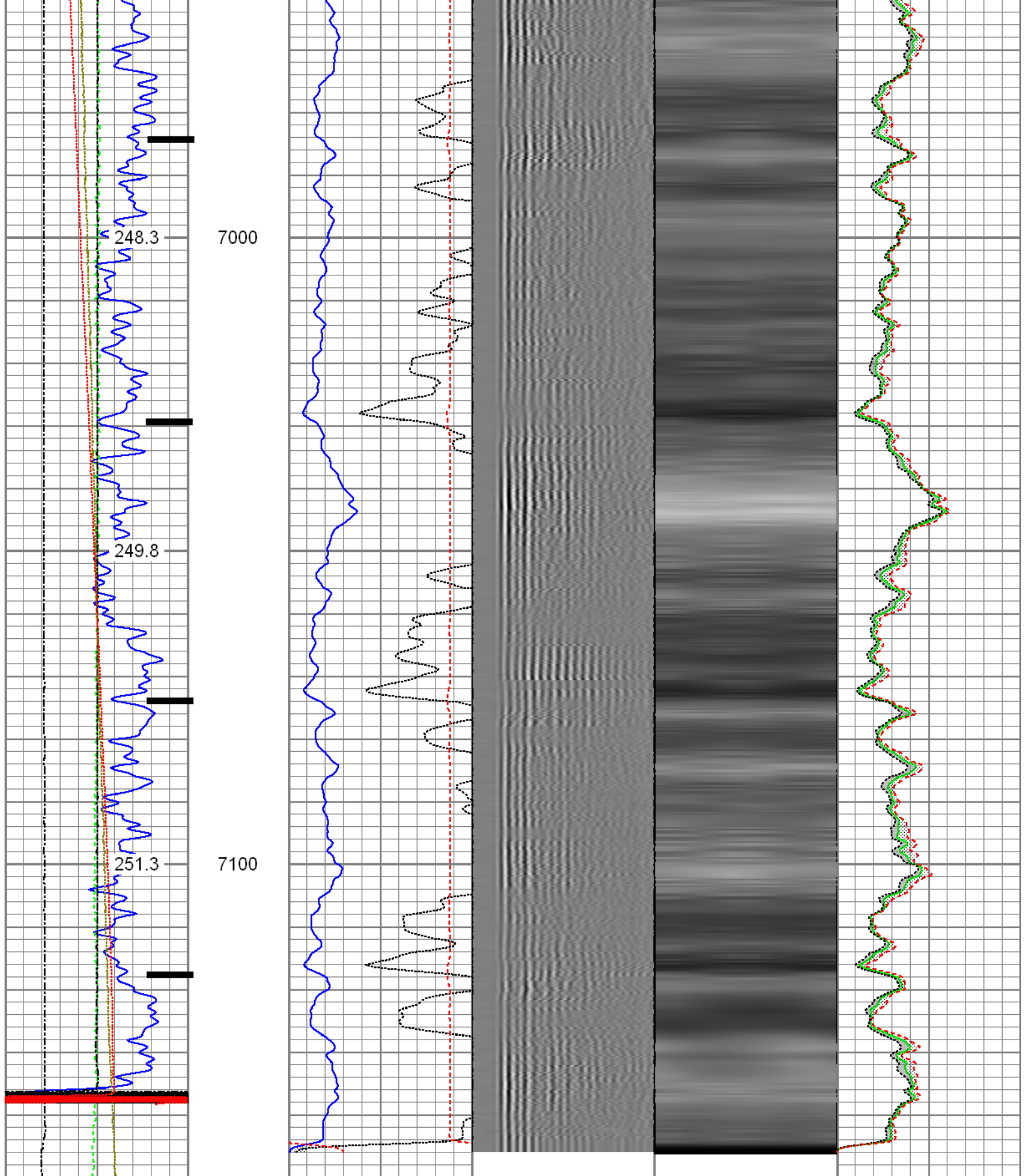









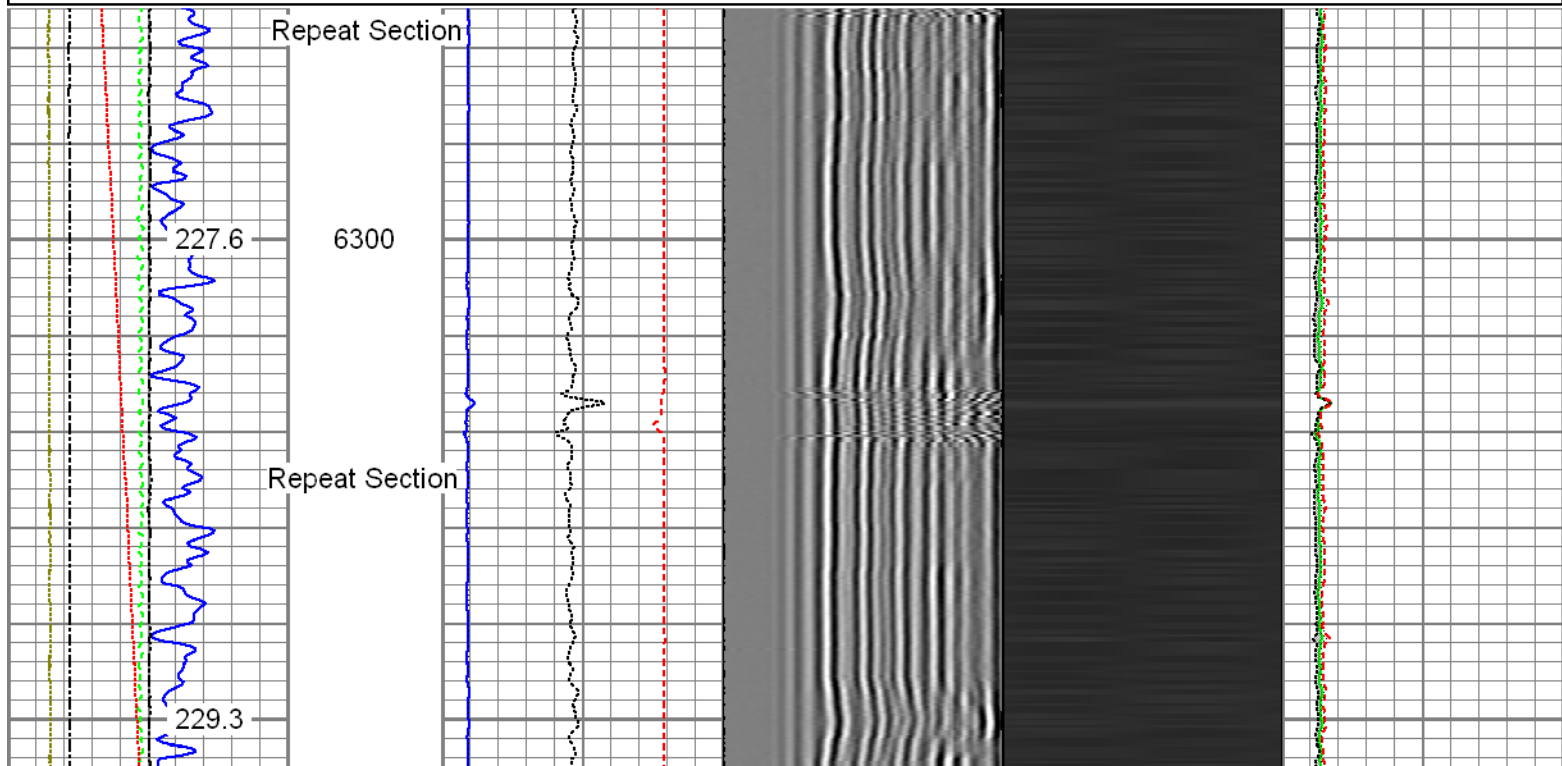




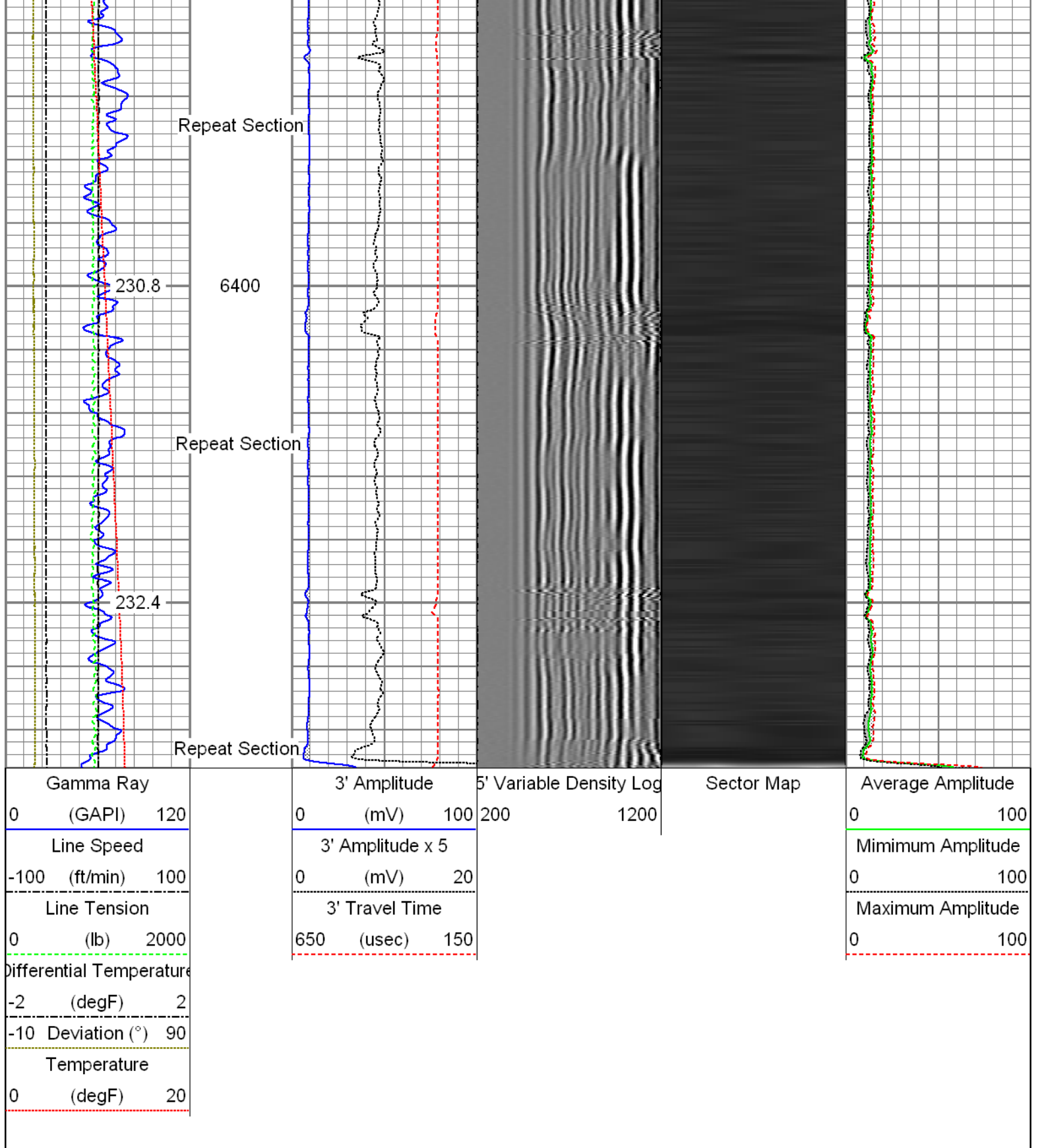
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
Line Speed	0 (mV) 20			0 100
-100 (ft/min) 100	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000				

0	(lb)	2000
Differential Temperature		
-2	(degF)	2
-10	Deviation (°)	90
Temperature		
0	(degF)	20

		<h2 style="text-align: center;">Repeat Pass</h2> <p style="text-align: center;">Recorded with 2800 PSI Surface Induced Pressure</p>																																																
<p>Database File: 0512340964_anadarko_cream 37n-28hz_07-21-15_mit_rbl.db</p> <p>Dataset Pathname: pass2</p> <p>Presentation Format: rbt4_mit</p> <p>Dataset Creation: Tue Jul 21 12:01:20 2015 by Log 7.0 B1</p> <p>Charted by: Depth in Feet scaled 1:240</p>																																																		
<table border="1"> <tr><td>Gamma Ray</td><td>0</td><td>(GAPI)</td><td>120</td></tr> <tr><td>Line Speed</td><td>-100</td><td>(ft/min)</td><td>100</td></tr> <tr><td>Line Tension</td><td>0</td><td>(lb)</td><td>2000</td></tr> <tr><td>Differential Temperature</td><td>-2</td><td>(degF)</td><td>2</td></tr> <tr><td></td><td>-10</td><td>Deviation (°)</td><td>90</td></tr> <tr><td>Temperature</td><td>0</td><td>(degF)</td><td>20</td></tr> </table>	Gamma Ray	0	(GAPI)	120	Line Speed	-100	(ft/min)	100	Line Tension	0	(lb)	2000	Differential Temperature	-2	(degF)	2		-10	Deviation (°)	90	Temperature	0	(degF)	20		<table border="1"> <tr><td>3' Amplitude</td><td>0</td><td>(mV)</td><td>100</td></tr> <tr><td>3' Amplitude x 5</td><td>0</td><td>(mV)</td><td>20</td></tr> <tr><td>3' Travel Time</td><td>650</td><td>(usec)</td><td>150</td></tr> </table>	3' Amplitude	0	(mV)	100	3' Amplitude x 5	0	(mV)	20	3' Travel Time	650	(usec)	150	5' Variable Density Log	Sector Map	<table border="1"> <tr><td>Average Amplitude</td><td>0</td><td>100</td></tr> <tr><td>Minimum Amplitude</td><td>0</td><td>100</td></tr> <tr><td>Maximum Amplitude</td><td>0</td><td>100</td></tr> </table>	Average Amplitude	0	100	Minimum Amplitude	0	100	Maximum Amplitude	0	100
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Maximum Amplitude	0	100																																																







Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			T_CH14375_1_GO Titan 1-7/16" Assembled Electric Cable Head with 1" Fishing Neck	1.03	1.44	4.00
			GOpin-GOpin 2" GO Pin to GO Pin Connection	0.23	2.00	5.00
			UW_AGS-UW_AGS_001 (218874) Sondex Adapter - GO Box to Sondex Pin	0.21	1.69	1.00
			UW_XTII-UW_XTII_002 (219135)	1.58	1.69	6.50

[illegible]

# Multi-finger Imaging Tool Calibration Report

Number of Fingers: 40  
Tool Model: UW\_MIT40\_042

Inclinometer Calibration Report  
Performed: Wed Nov 26 12:28:41 2014  
Calibration Angle: 45

Vertical:	Inc X	Inc Y
	1946	1932
Finger 1 up:	1712	1699
Finger 31 up:	2180	1700
Finger 21 up:	2165	2167
Finger 11 up:	1708	2156
Sensitivity ratio:	1.00121	
X-axis angle:	134.04	
Deviation const.:	327.106	

Finger Calibration Report  
Performed: Tue Jul 21 11:31:34 2015

Ring size: (in)	4	Sens	5	Sens	6	Sens	7
Finger 01:	1167	350.0	1517	377.0	1894	393.0	2287
Finger 02:	1180	357.0	1537	383.0	1920	393.0	2313
Finger 03:	1128	355.0	1483	374.0	1857	395.0	2252
Finger 04:	1138	369.0	1507	394.0	1901	413.0	2314
Finger 05:	1122	365.0	1487	388.0	1875	407.0	2282
Finger 06:	1154	364.0	1518	380.0	1898	392.0	2290
Finger 07:	1070	375.0	1445	400.0	1845	429.0	2274
Finger 08:	1124	364.0	1488	383.0	1871	413.0	2284
Finger 09:	1090	378.0	1468	387.0	1855	418.0	2273
Finger 10:	1010	379.0	1389	399.0	1788	448.0	2236
Finger 11:	1101	369.0	1470	367.0	1837	401.0	2238
Finger 12:	1077	373.0	1450	381.0	1831	418.0	2249
Finger 13:	1052	368.0	1420	373.0	1793	412.0	2205
Finger 14:	1027	371.0	1398	374.0	1772	415.0	2187
Finger 15:	1093	372.0	1465	354.0	1819	393.0	2212
Finger 16:	1055	362.0	1417	369.0	1786	404.0	2190
Finger 17:	1055	372.0	1427	371.0	1798	406.0	2204
Finger 18:	1000	372.0	1372	377.0	1749	424.0	2173
Finger 19:	1014	361.0	1375	377.0	1752	415.0	2167
Finger 20:	1052	364.0	1416	380.0	1796	409.0	2205
Finger 21:	1069	353.0	1422	370.0	1792	402.0	2194
Finger 22:	1067	363.0	1430	378.0	1808	404.0	2212
Finger 23:	1178	346.0	1524	345.0	1869	369.0	2238
Finger 24:	1036	356.0	1392	386.0	1778	410.0	2188
Finger 25:	1018	352.0	1370	388.0	1758	413.0	2171
Finger 26:	1092	349.0	1441	383.0	1824	400.0	2224
Finger 27:	1121	350.0	1471	388.0	1859	403.0	2262
Finger 28:	1106	347.0	1453	389.0	1842	405.0	2247
Finger 29:	1043	356.0	1399	386.0	1785	417.0	2202
Finger 30:	1148	345.0	1493	386.0	1879	391.0	2270
Finger 31:	1148	345.0	1493	387.0	1880	393.0	2273
Finger 32:	1184	340.0	1524	373.0	1897	381.0	2278
Finger 33:	1204	354.0	1558	387.0	1945	389.0	2334
Finger 34:	1146	354.0	1500	400.0	1900	398.0	2298
Finger 35:	1171	351.0	1522	396.0	1918	401.0	2319
Finger 36:	1212	348.0	1560	380.0	1940	388.0	2328
Finger 37:	1138	358.0	1496	402.0	1898	410.0	2308
Finger 38:	1099	367.0	1466	413.0	1879	423.0	2302
Finger 39:	1124	362.0	1486	392.0	1878	422.0	2300
Finger 40:	1157	361.0	1518	384.0	1902	404.0	2306

Segmented Cement Bond Log Calibration Report

Serial Number: 1066

Serial Number: 1000  
Tool Model: UW\_RBT\_004

Calibration Casing Diameter: 7.000 in  
Calibration Depth: 0.000 ft

Master Calibration, performed Tue Jul 21 11:29:29 2015:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	-0.001	0.693	0.800	62.165	88.496	0.878
5FT	-0.006	0.653	0.800	62.165	93.109	1.368
S1	-0.000	0.666	0.000	100.000	150.202	0.029
S2	-0.001	0.677	0.000	100.000	147.495	0.180
S3	-0.001	0.686	0.000	100.000	145.434	0.172
S4	-0.002	0.701	0.000	100.000	142.107	0.337
S5	-0.001	0.705	0.000	100.000	141.630	0.168
S6	-0.001	0.712	0.000	100.000	140.121	0.181
S7	-0.001	0.715	0.000	100.000	139.660	0.170
S8	-0.001	0.688	0.000	100.000	145.218	0.151

#### Temperature Calibration Report

Serial Number: 10025100  
Tool Model: UW\_PRT\_016  
Performed: Wed Feb 11 13:47:59 2015

Point #	Reading	Reference
1	13249.00 cps	68.00 degF
2	18454.00 cps	104.00 degF
3	29735.00 cps	176.00 degF
4	41457.00 cps	248.00 degF
5	52851.00 cps	320.00 degF
6	59128.00 cps	356.00 degF
7	cps	degF
8	cps	degF
9	cps	degF
10	cps	degF

#### Gamma Ray Calibration Report

Serial Number: 10019072  
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 Cream 37N-28HZ  
Field Wattenberg  
County Weld  
State Colorado