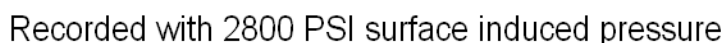


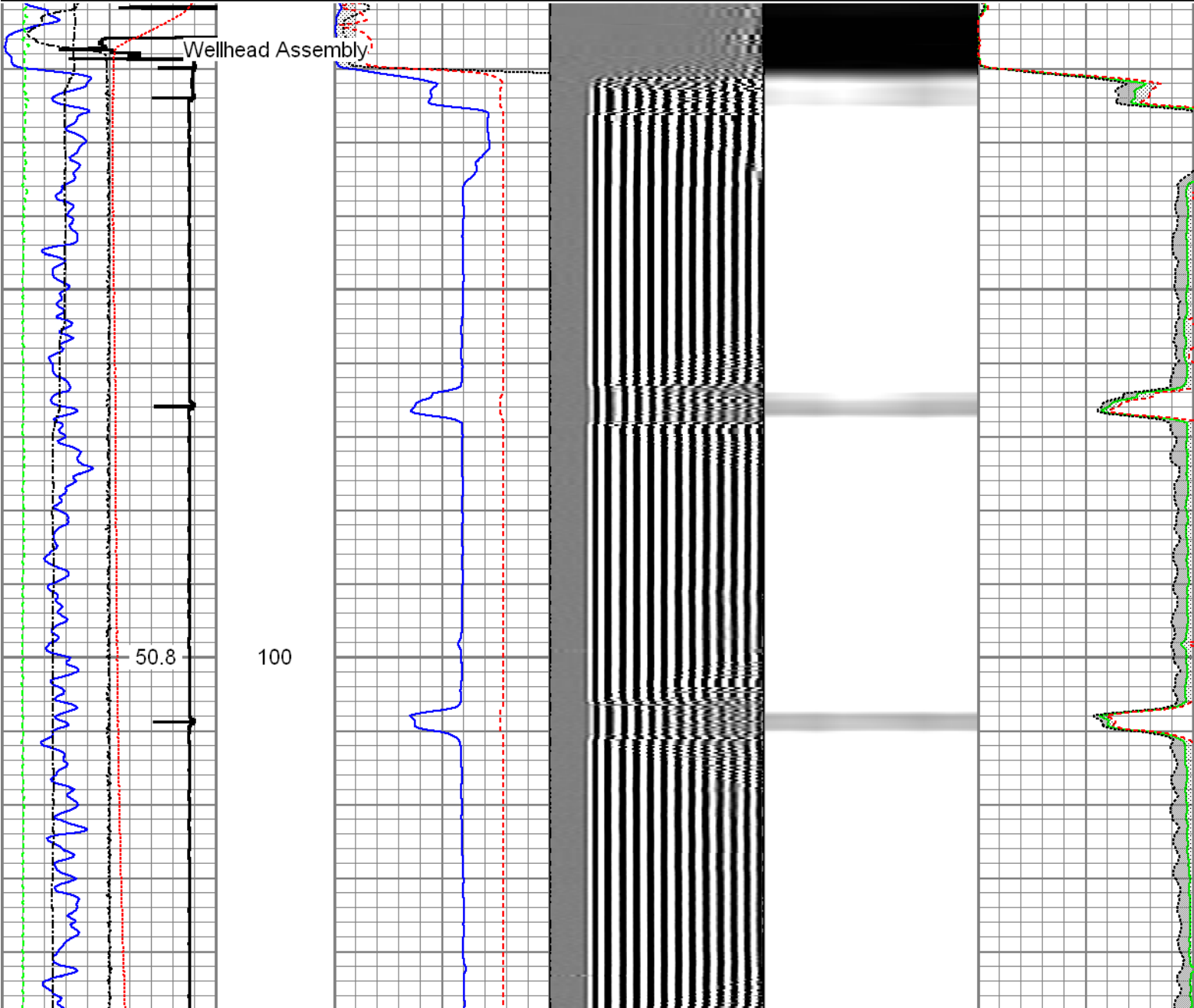


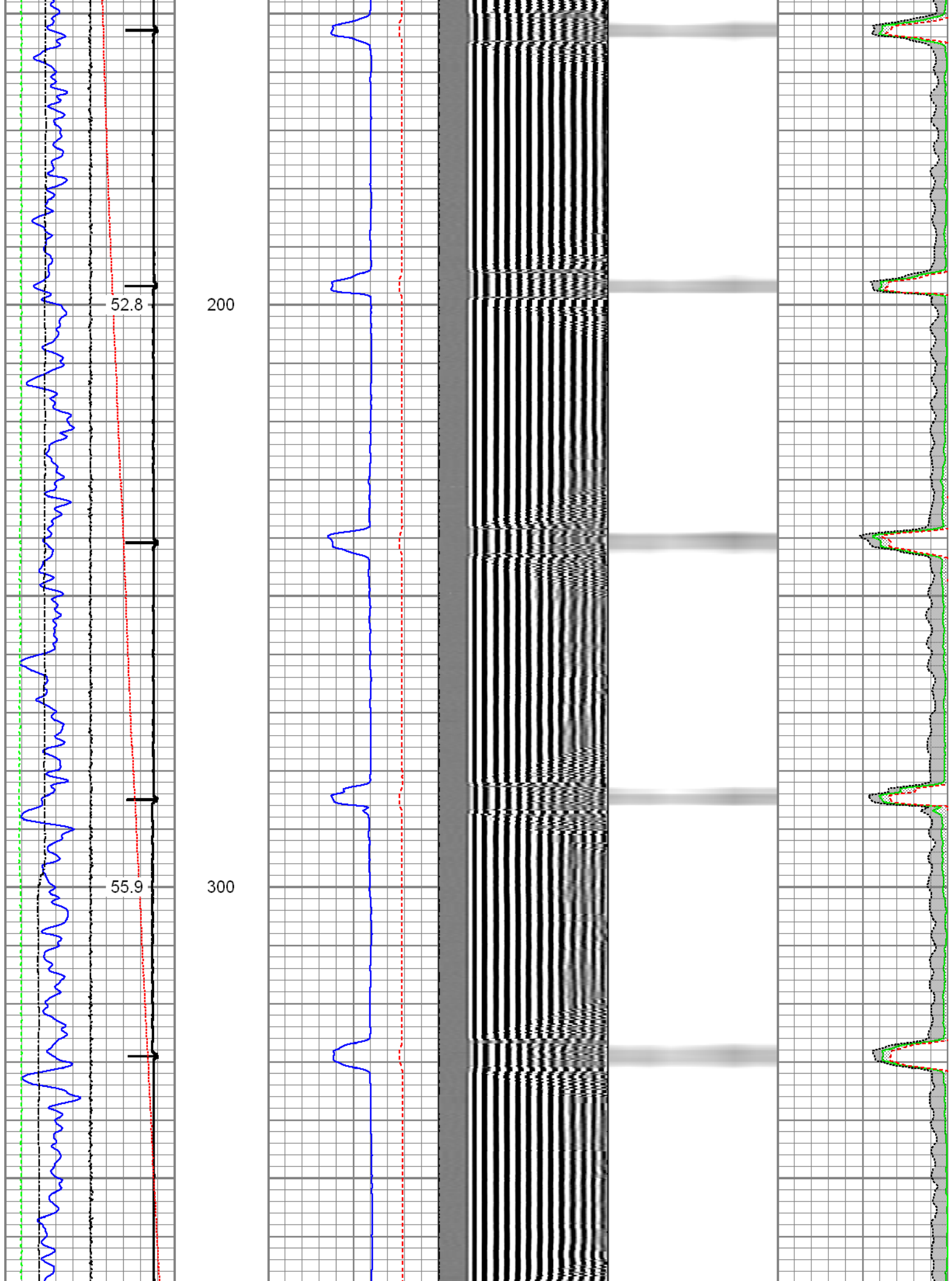
<<< Fold Here >>>
<p>All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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. Depth referenced to casing tally reported liner top at 7699 FT Adjusted log -0- FT to correlate with liner top. Gauge ring/junk basket ran to 8156 FT no debris was found after run. Log ran from 8138 FT to surface. Log ran with 2800 PSI surface induced pressure. No debris found on logging tools upon completion of run.</p> <p>Thank you for choosing FMC Technologies Completion Services, Inc.!!</p>

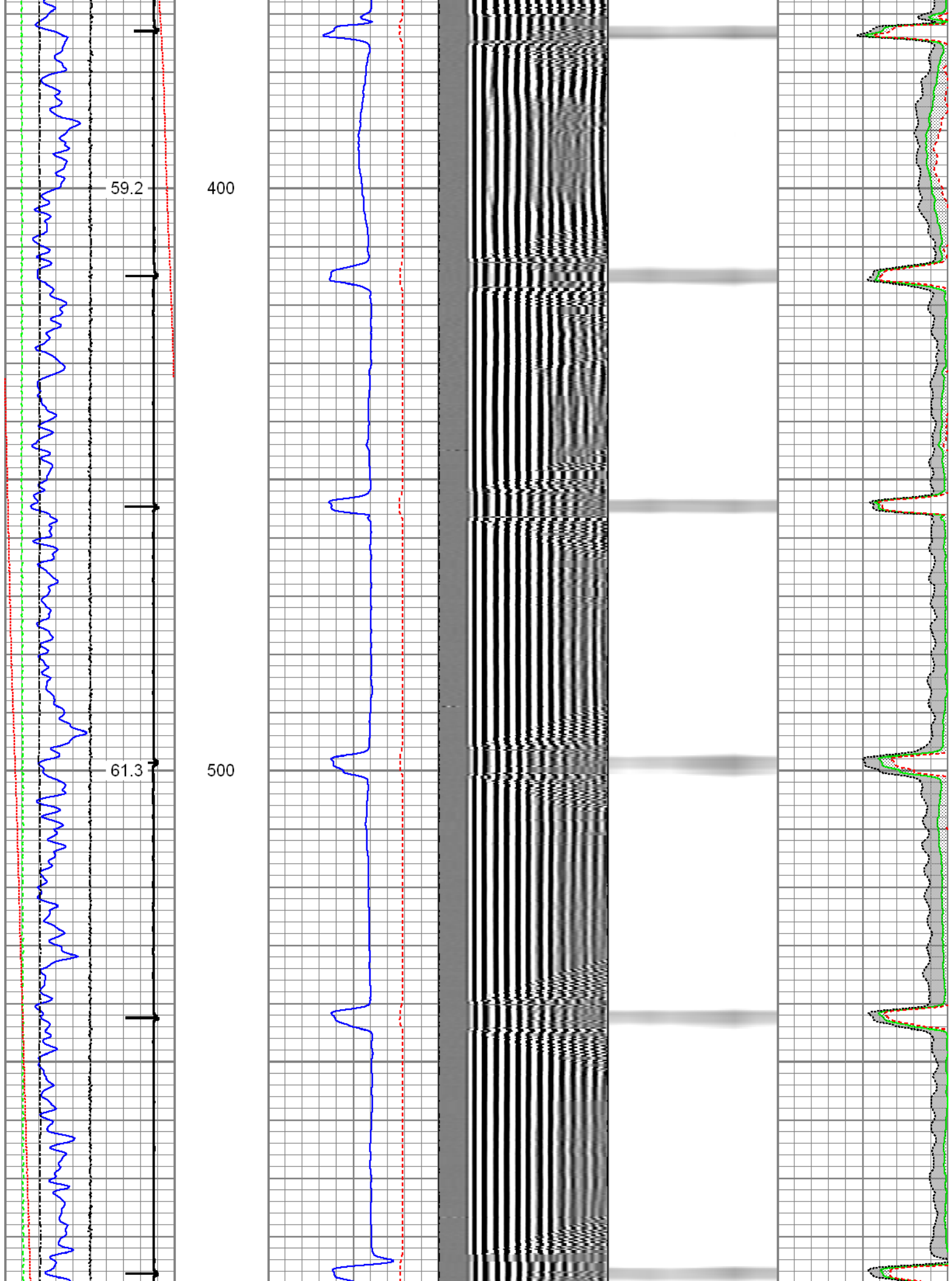


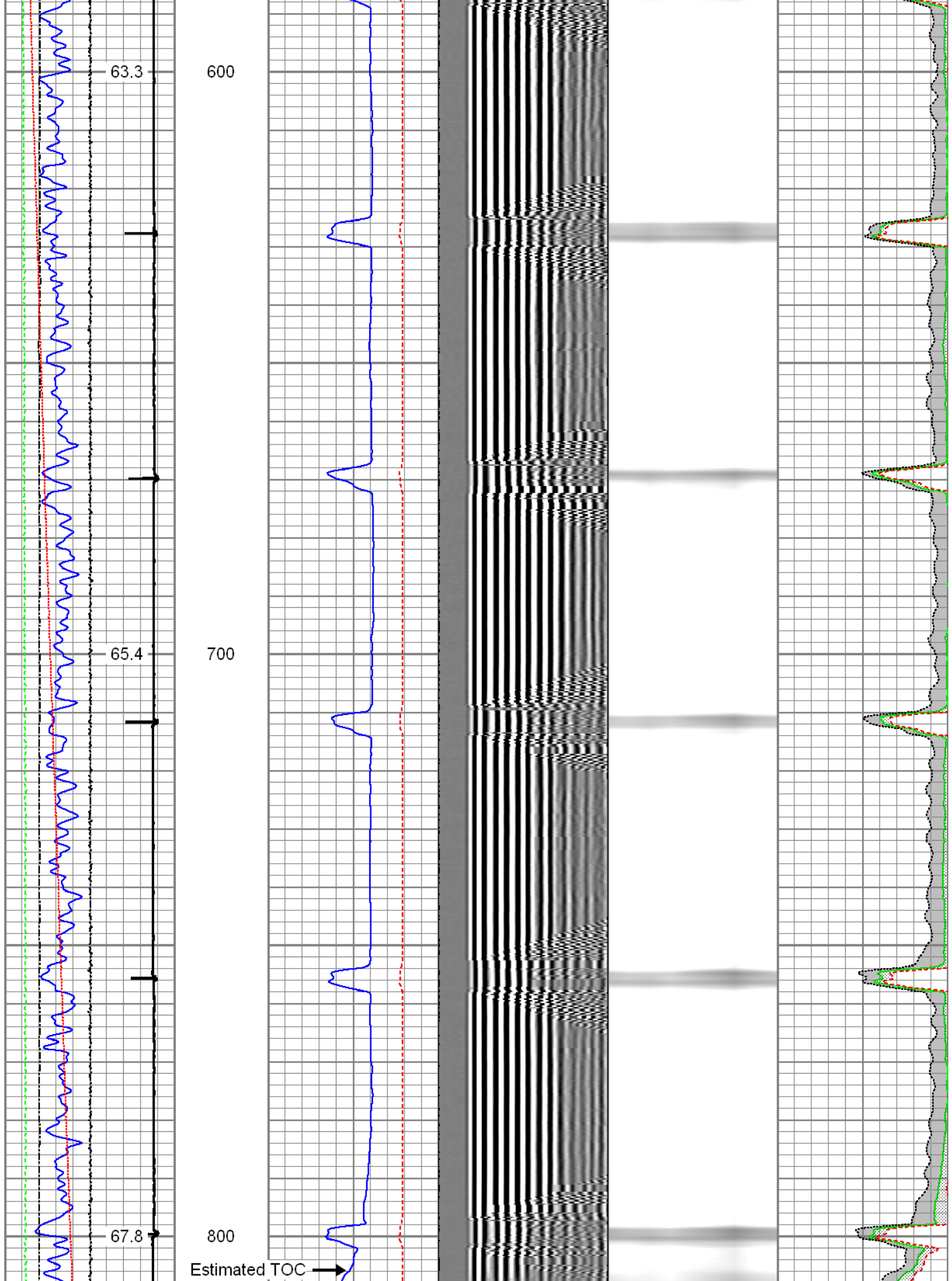
Database File: 0512340406_anadarko_cobra 30c-14hz_04-28-15_mit_rbl.db
Dataset Pathname: pass4
Presentation Format: rbt4_mit
Dataset Creation: Tue Apr 28 12:41:44 2015 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

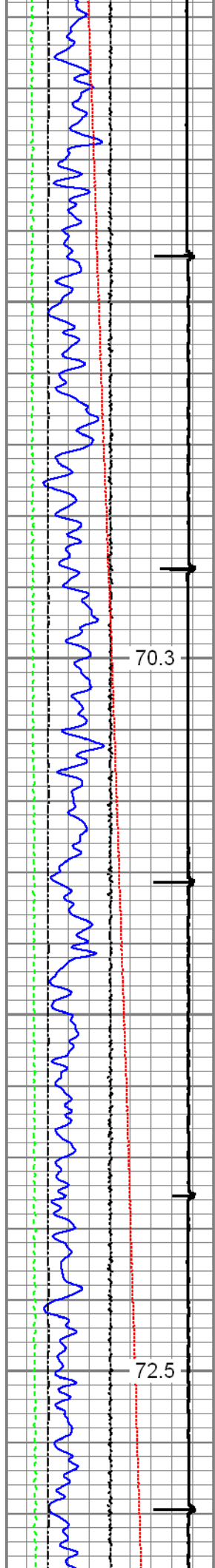
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
Line Speed	0 (mV) 20			0 100
-100 (ft/min) 100	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000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





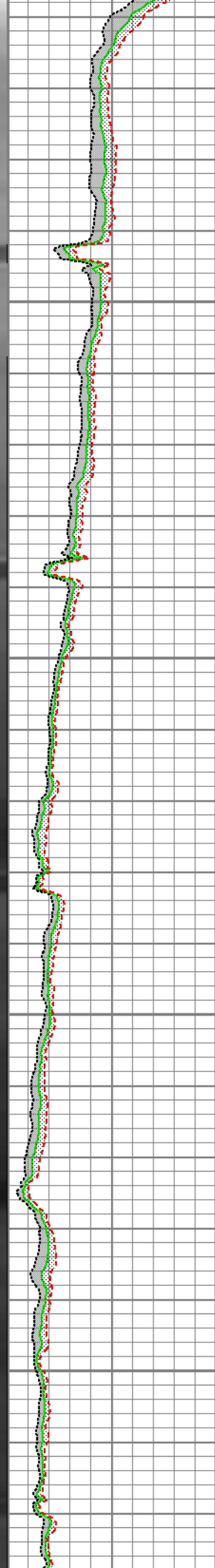
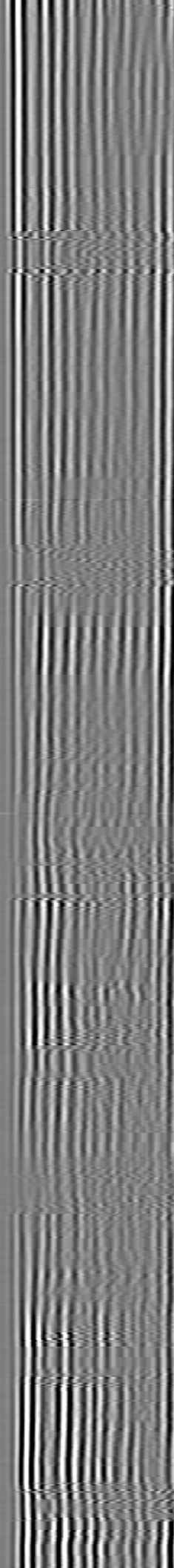
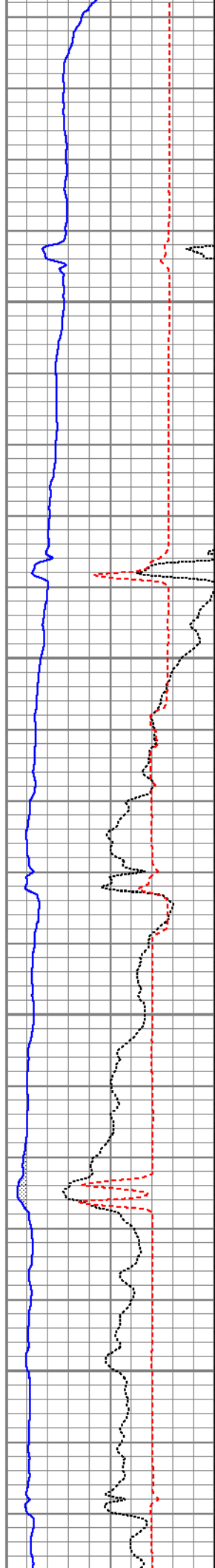


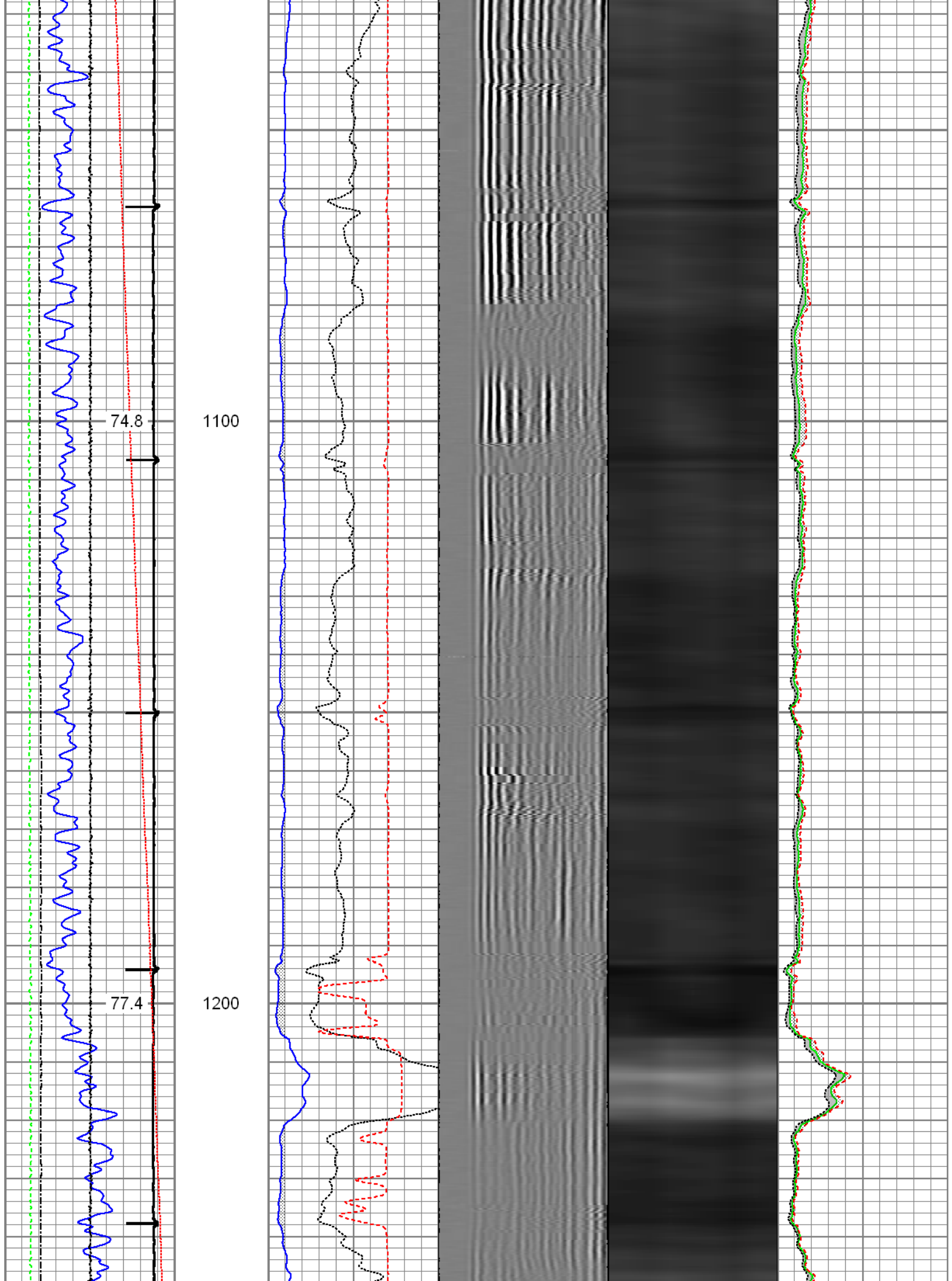


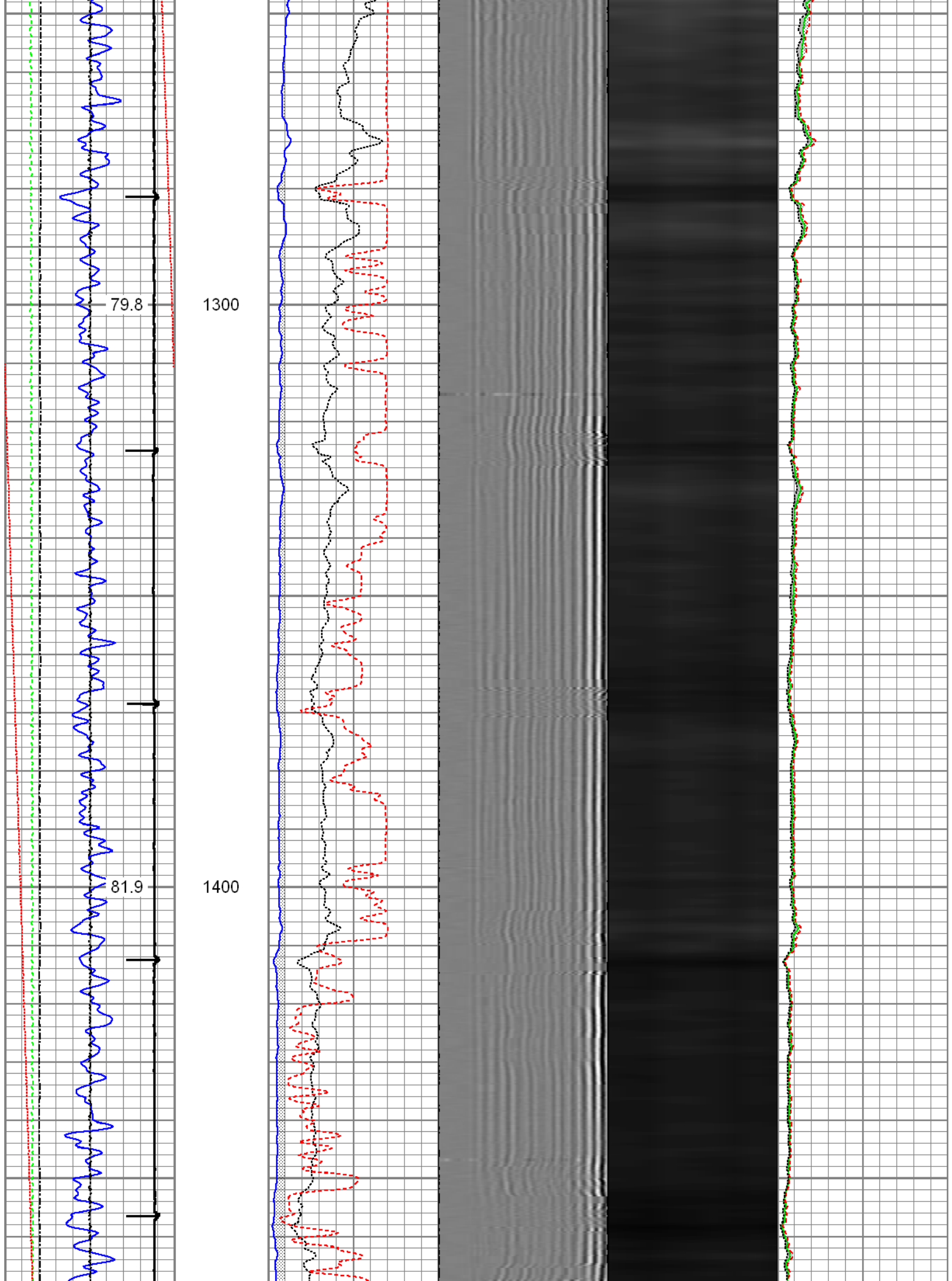


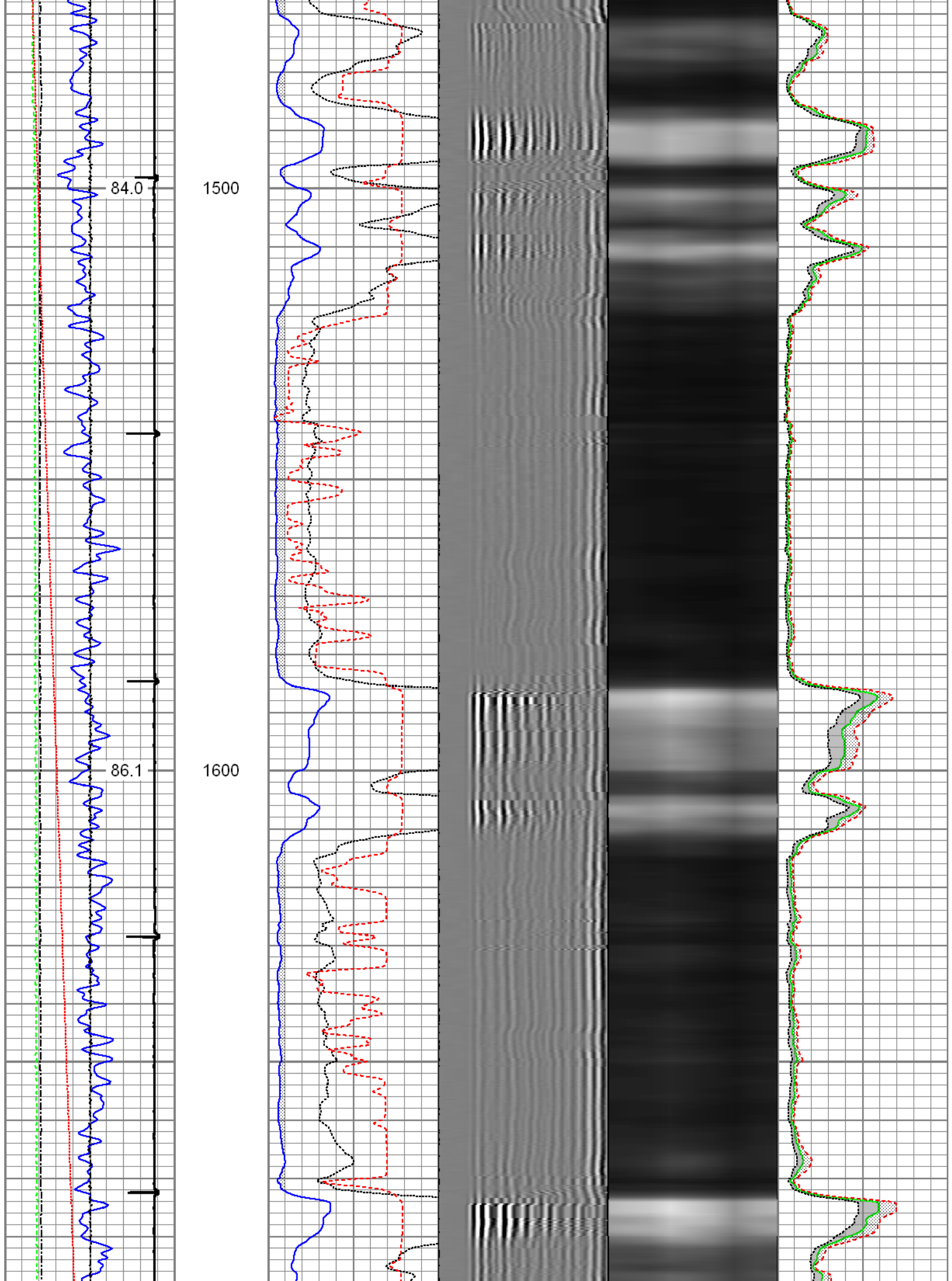
900

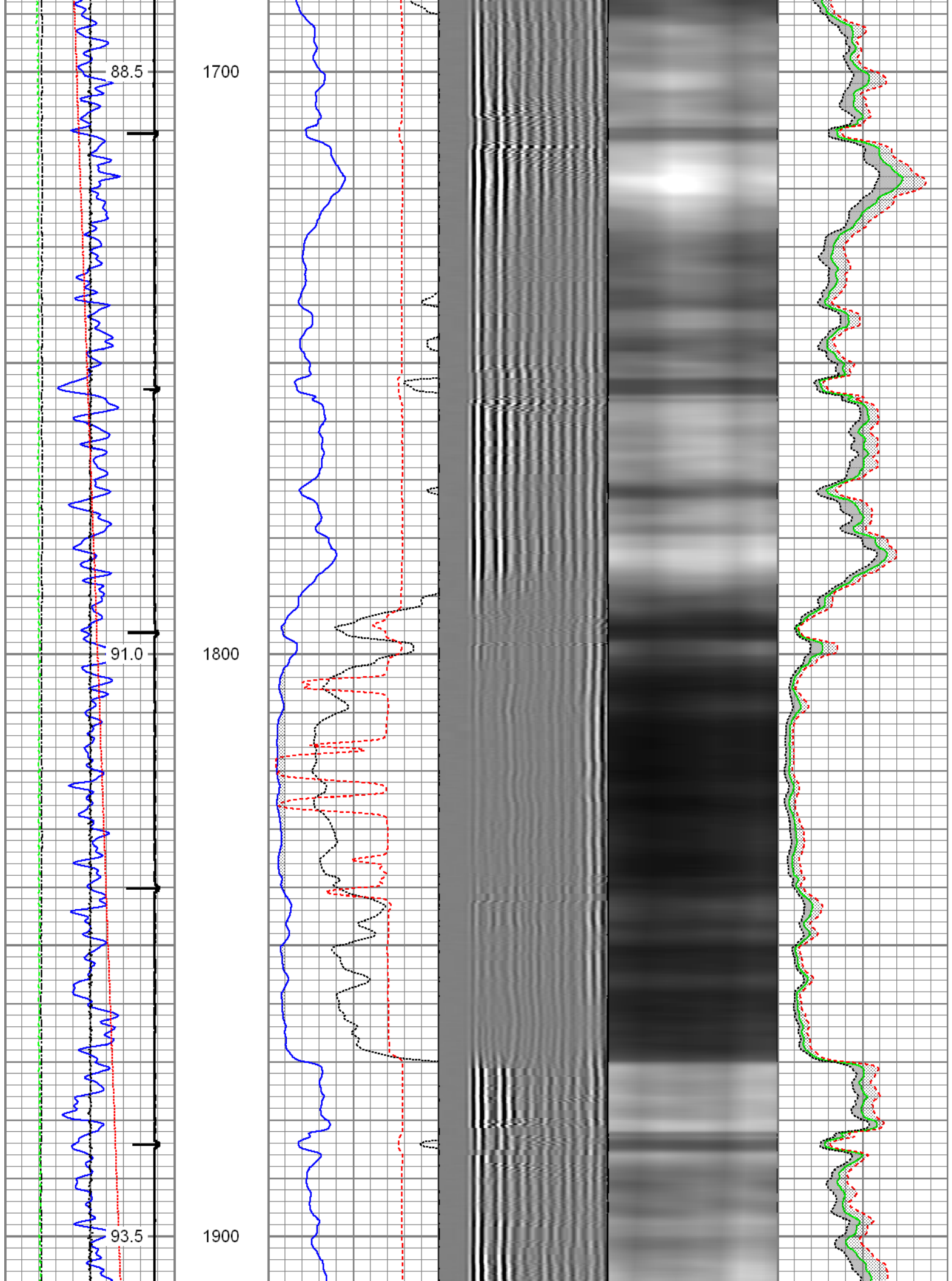
1000

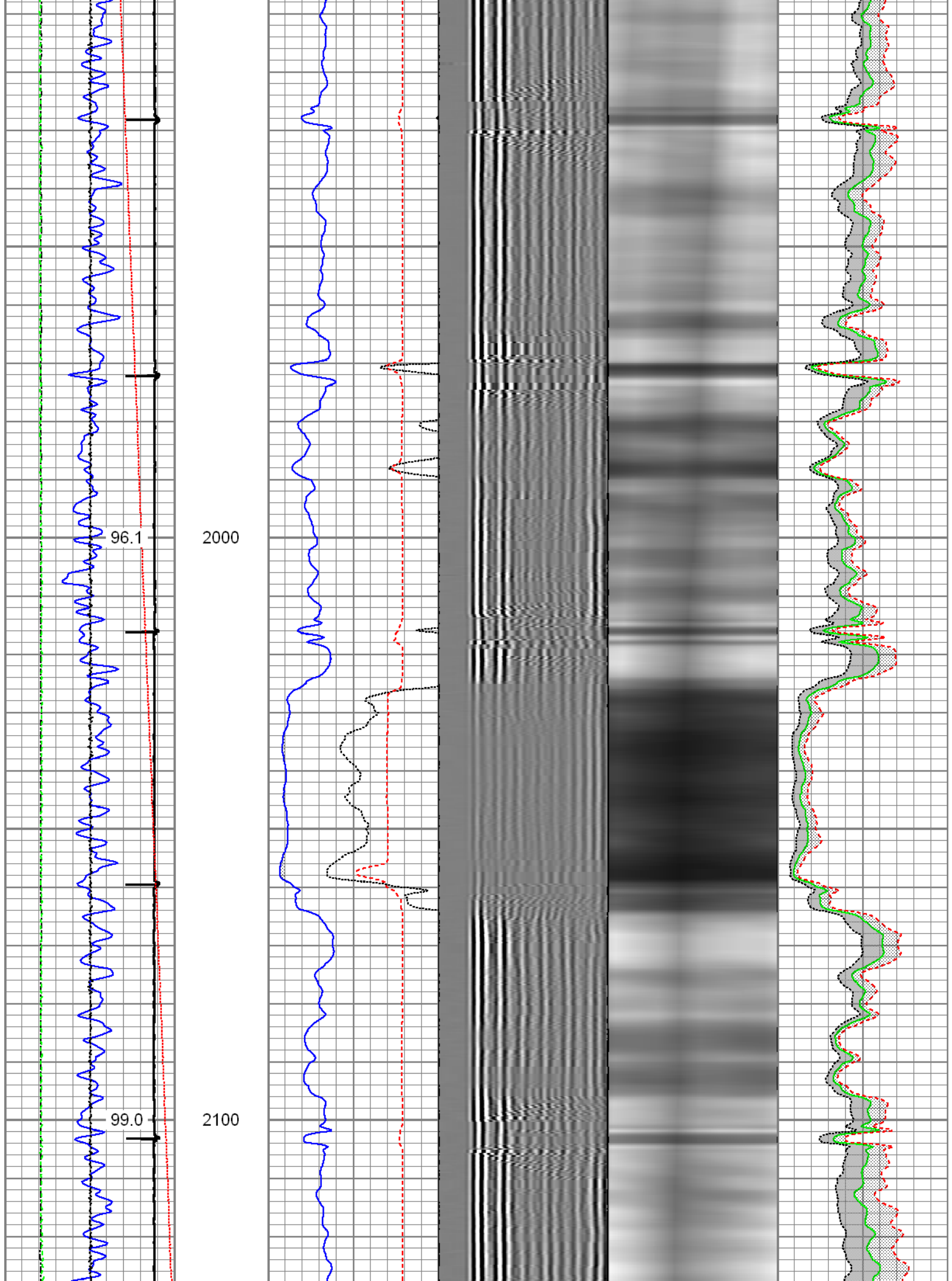


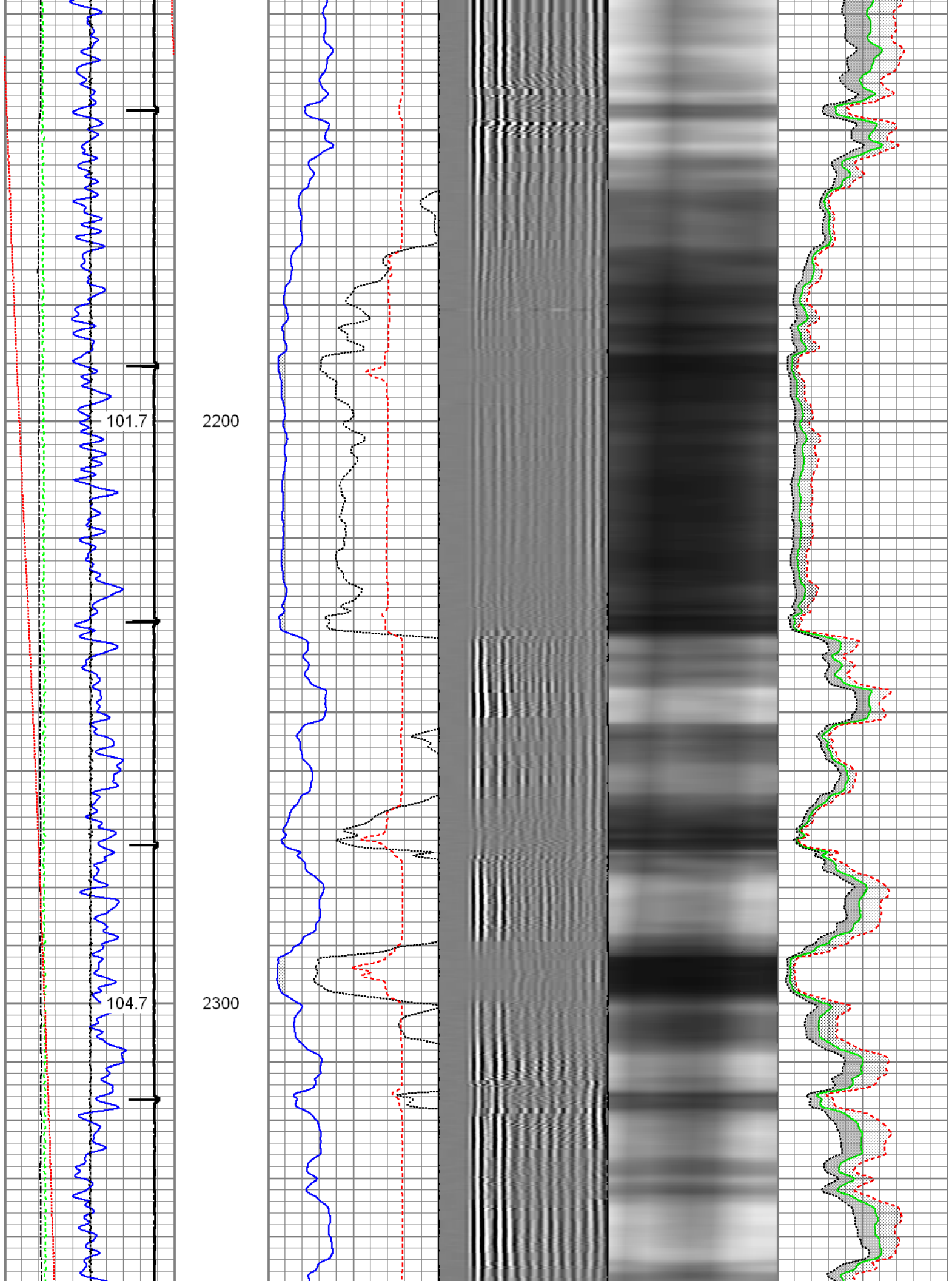


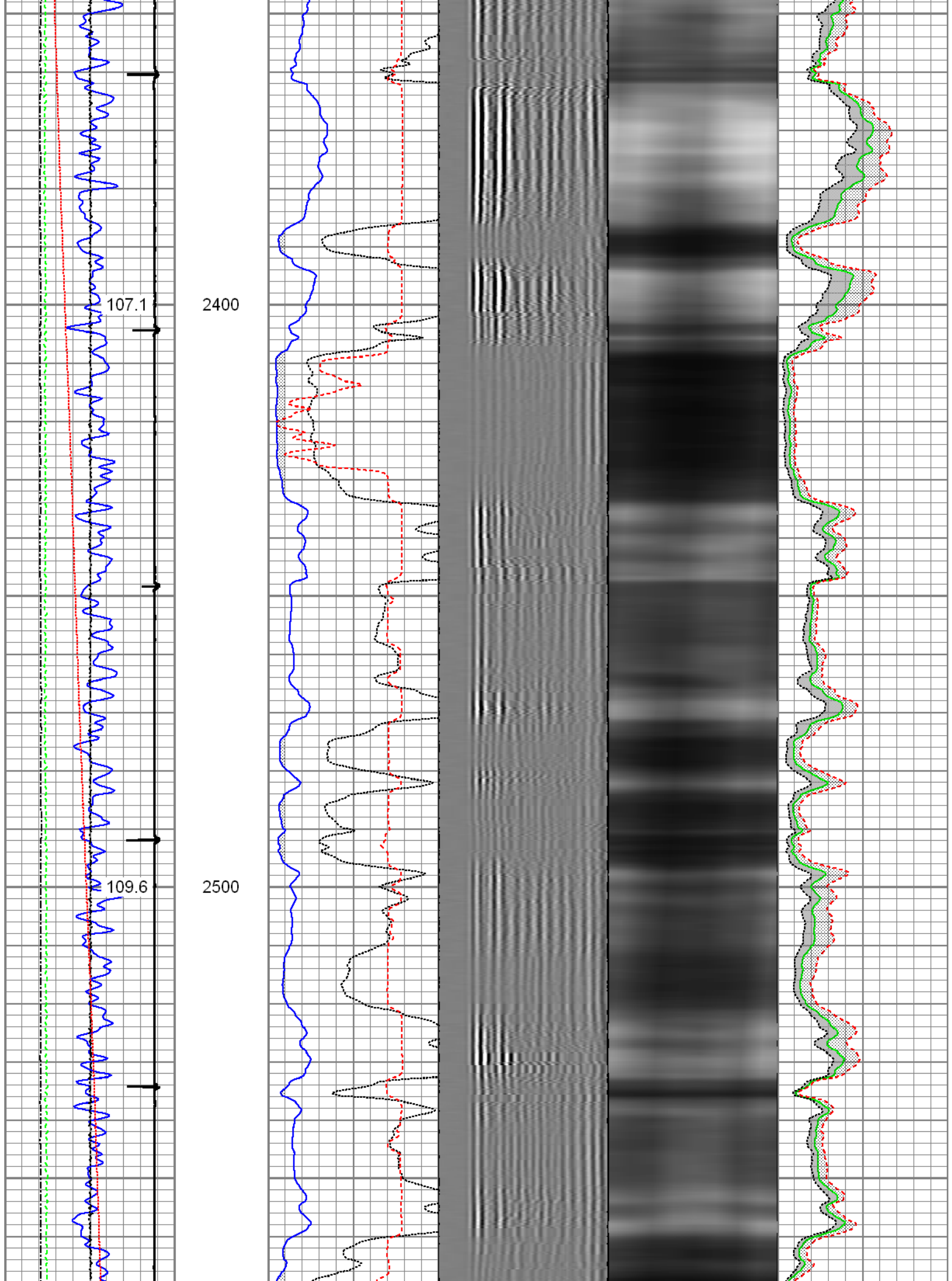


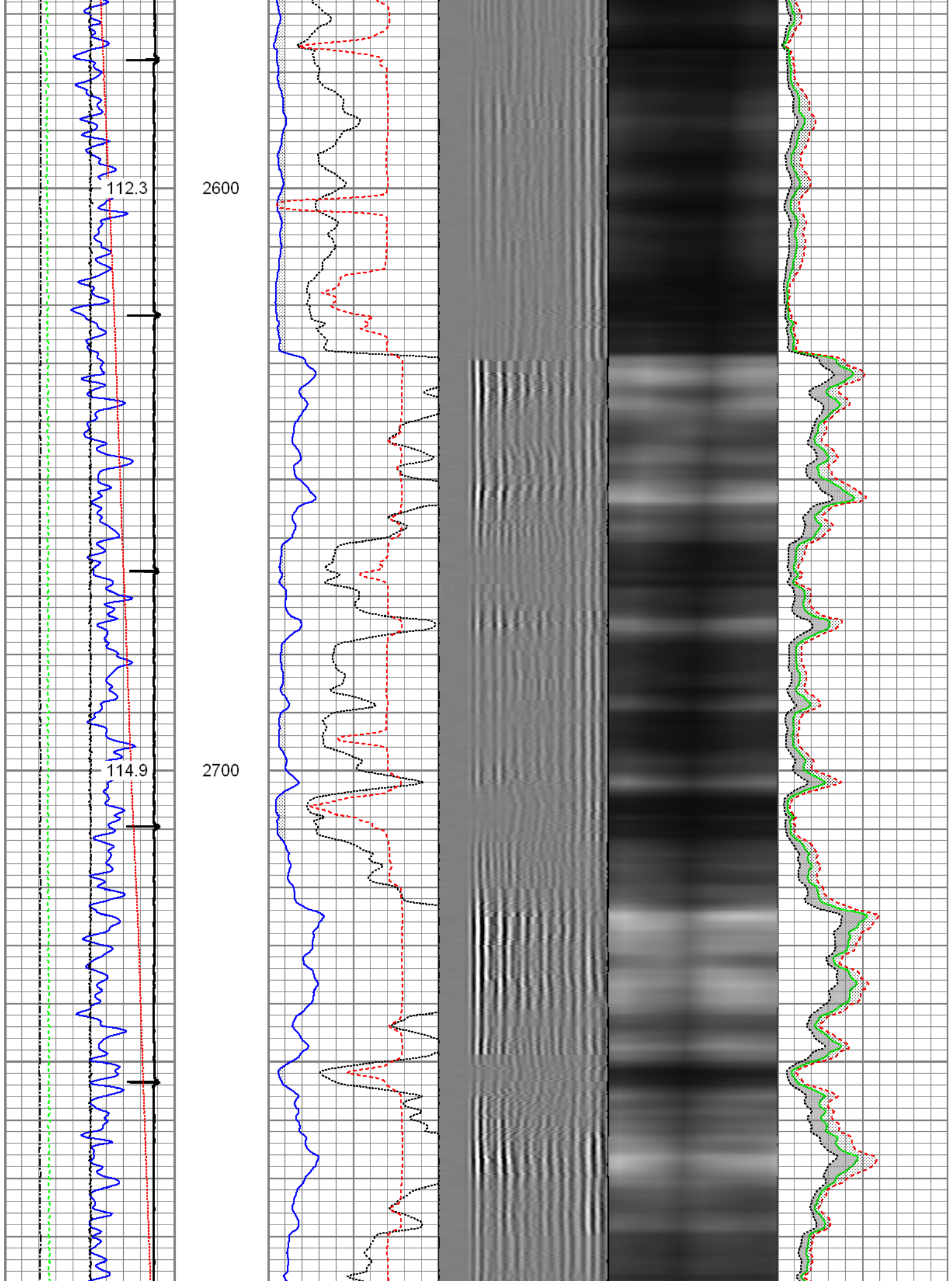


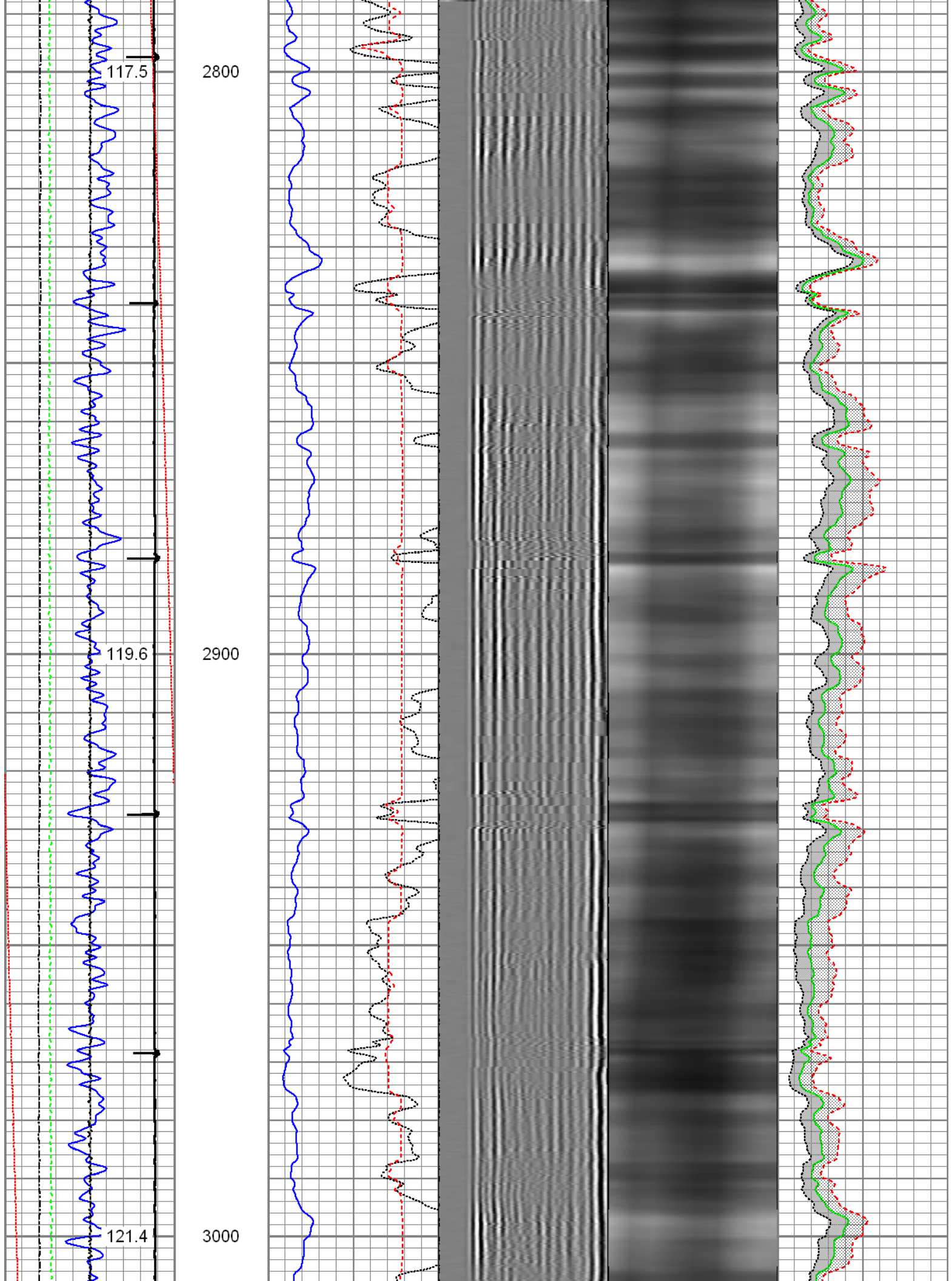


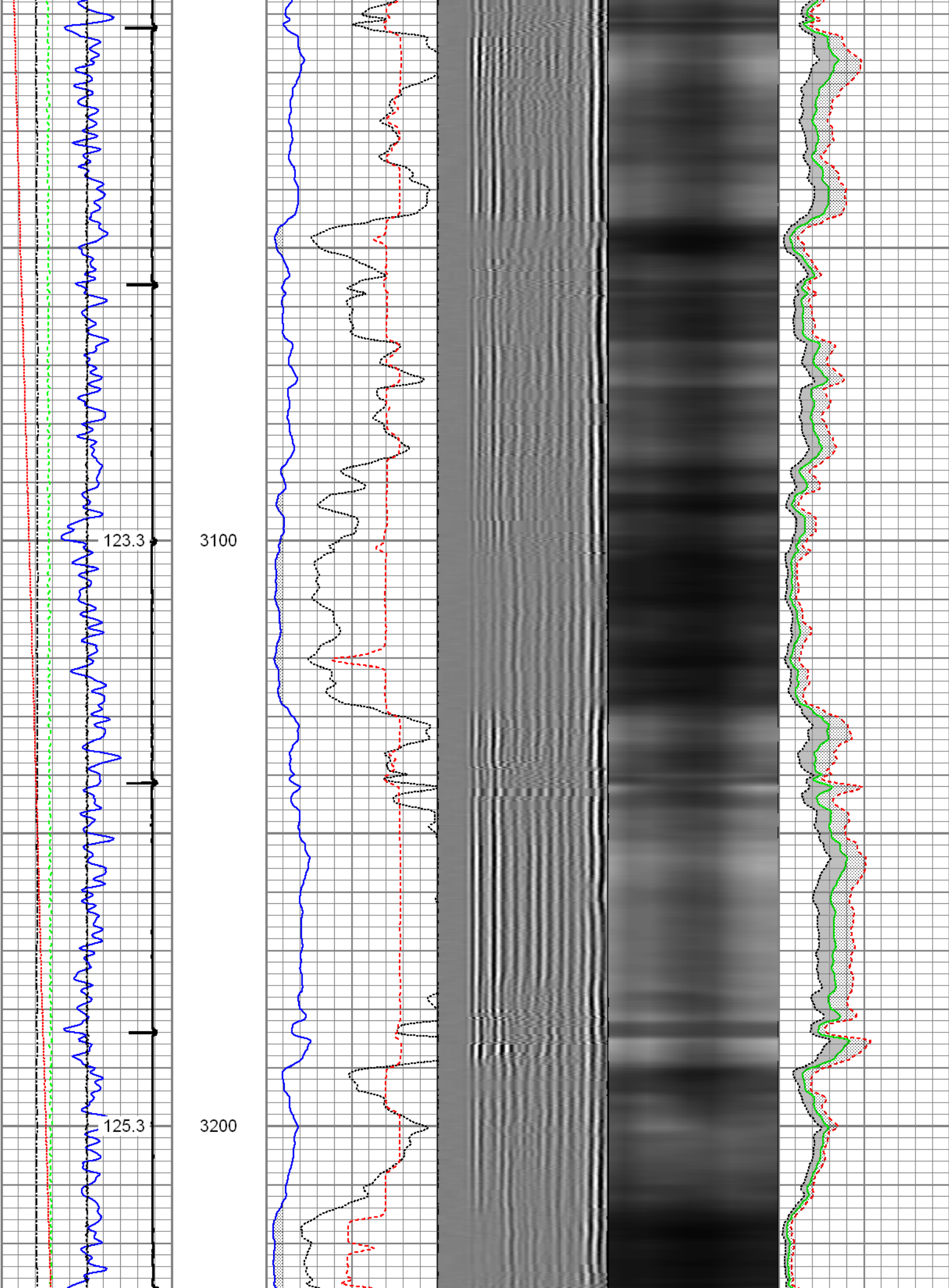


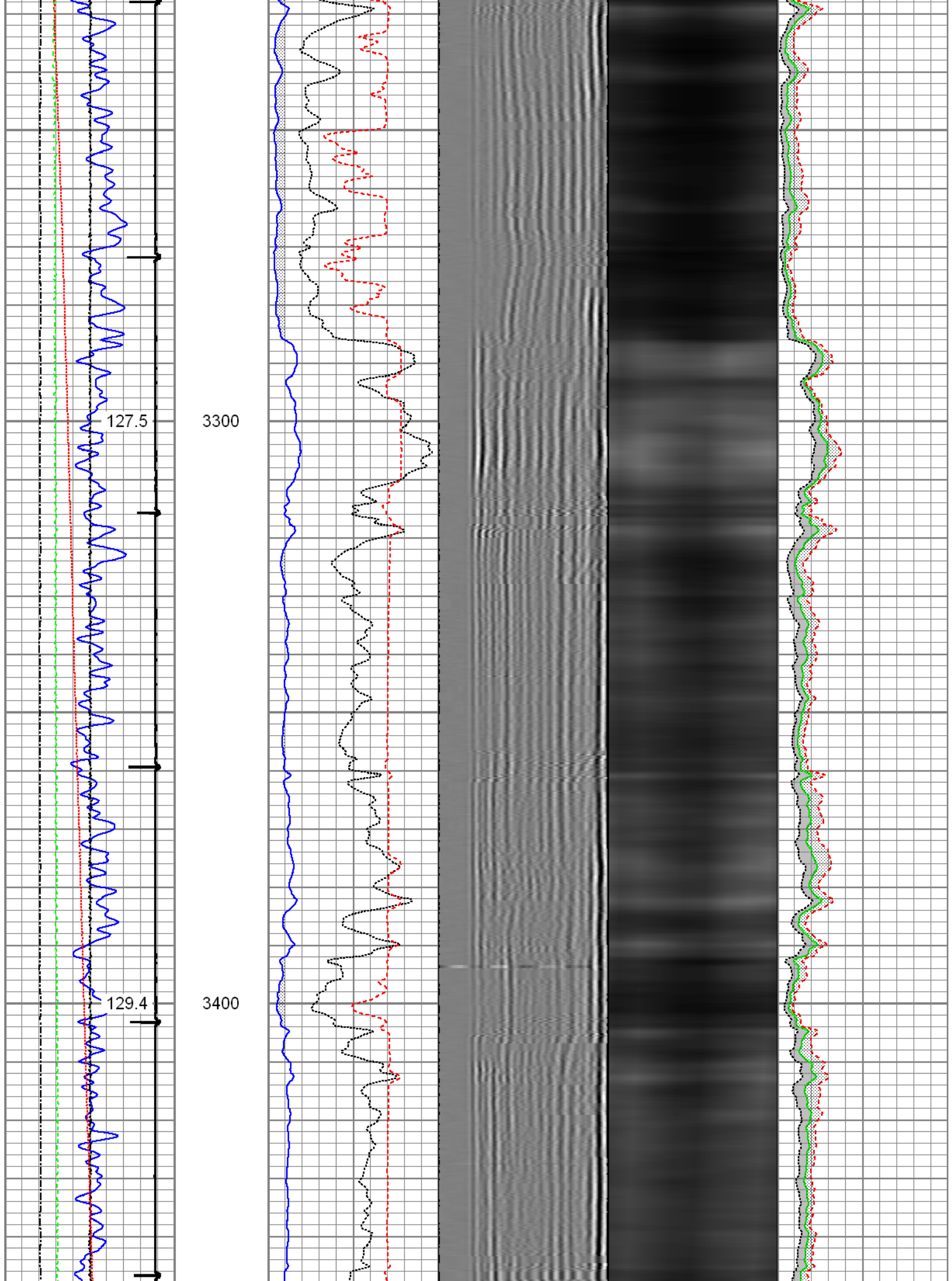


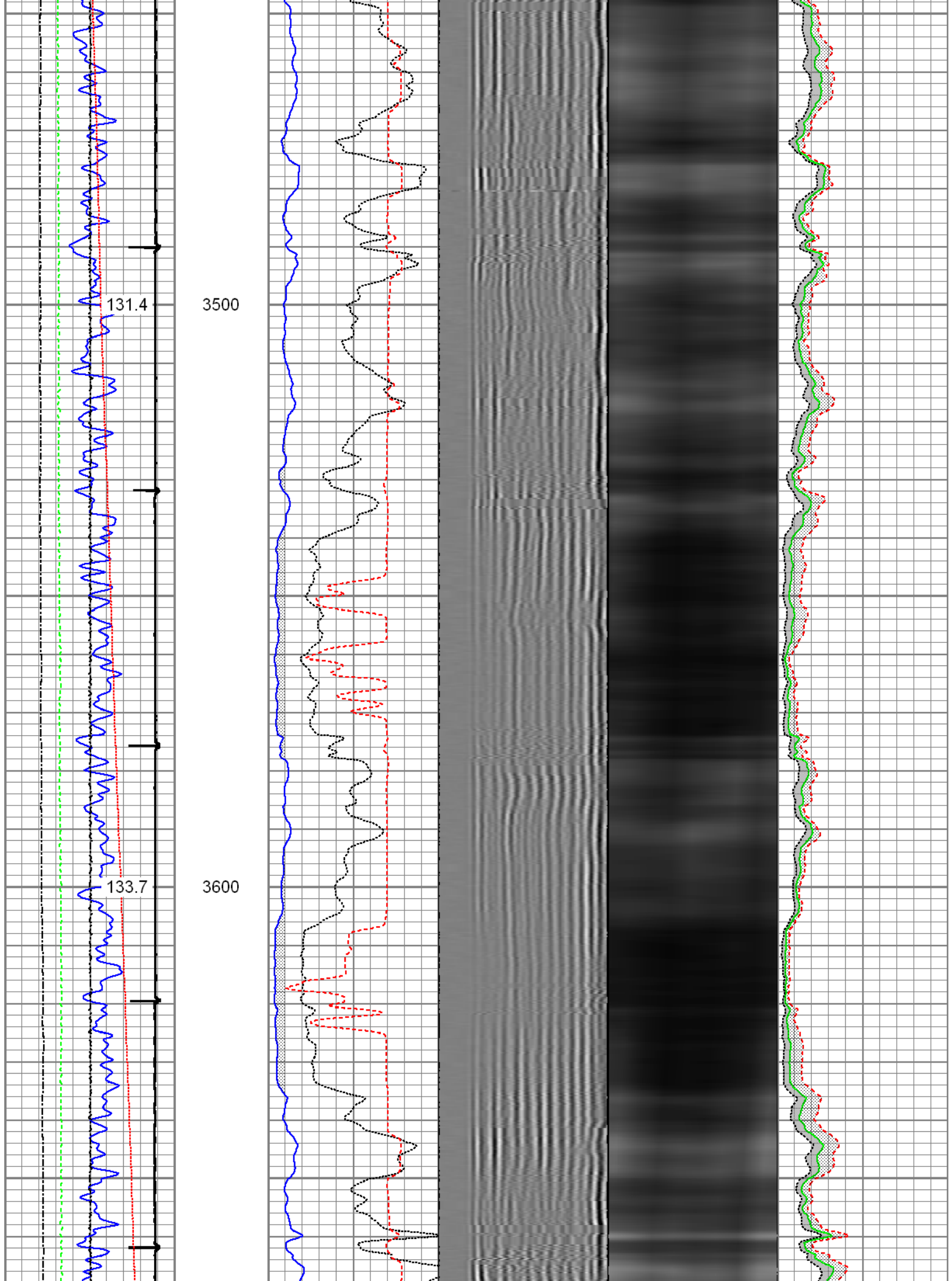


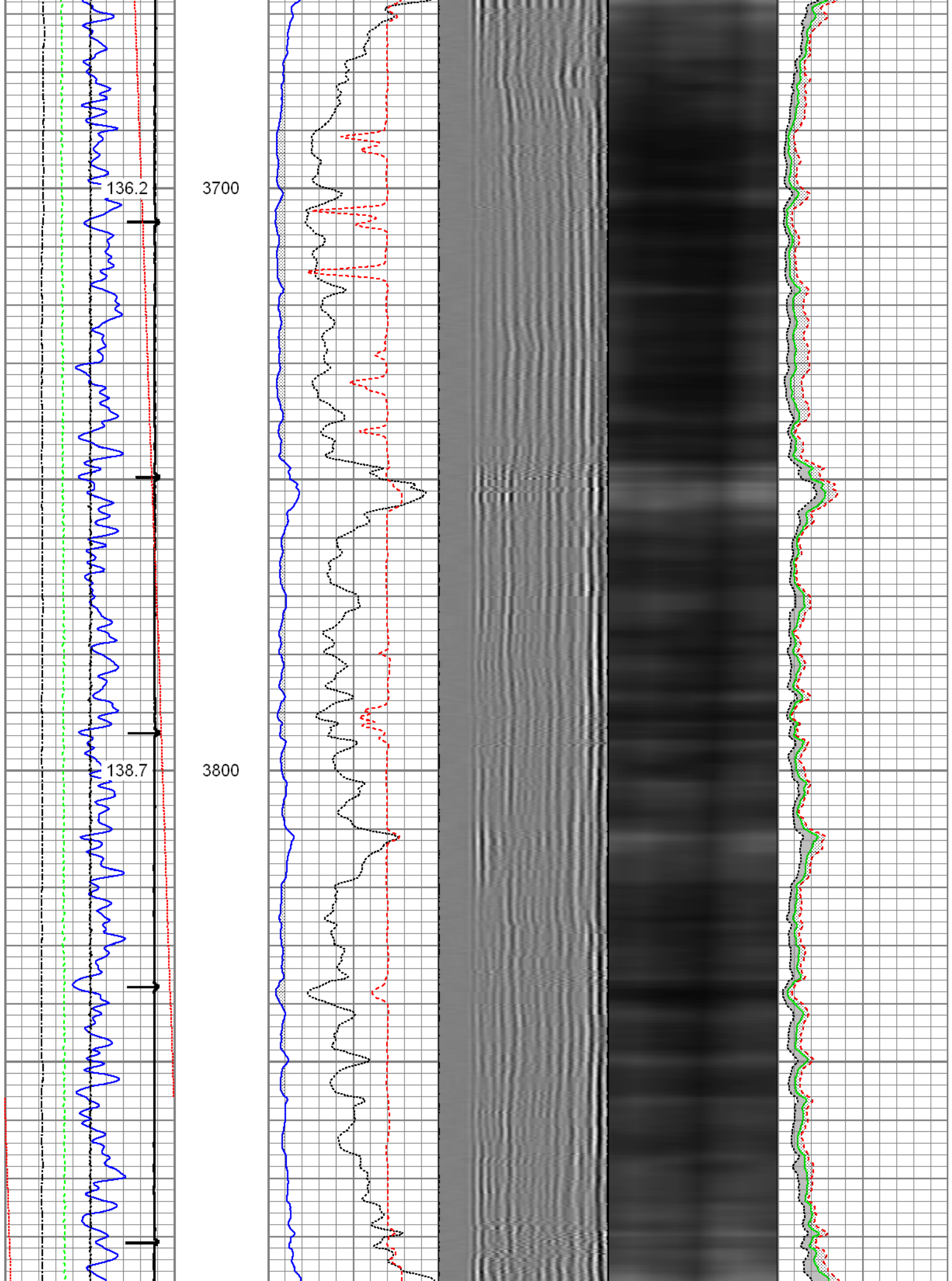


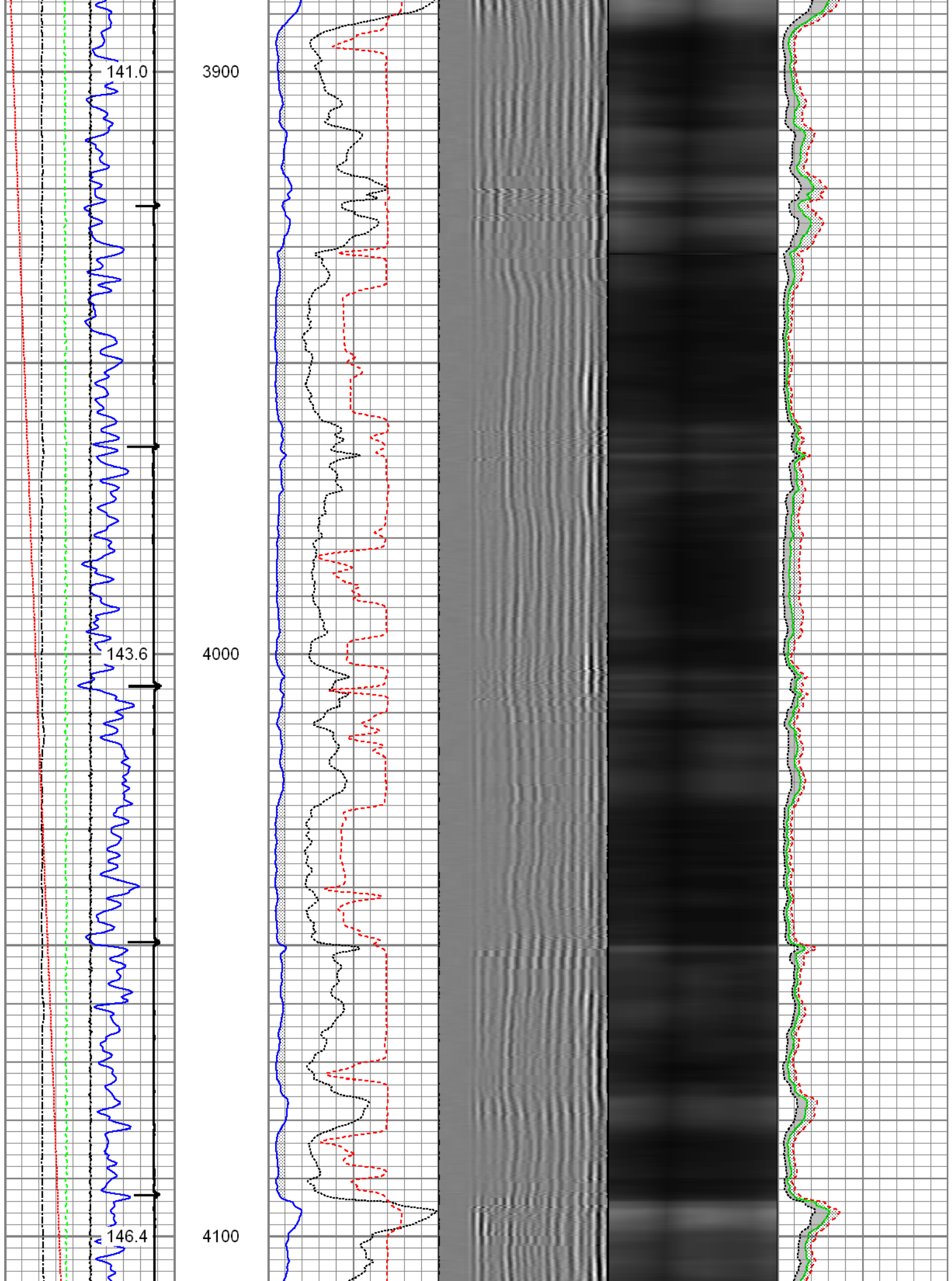


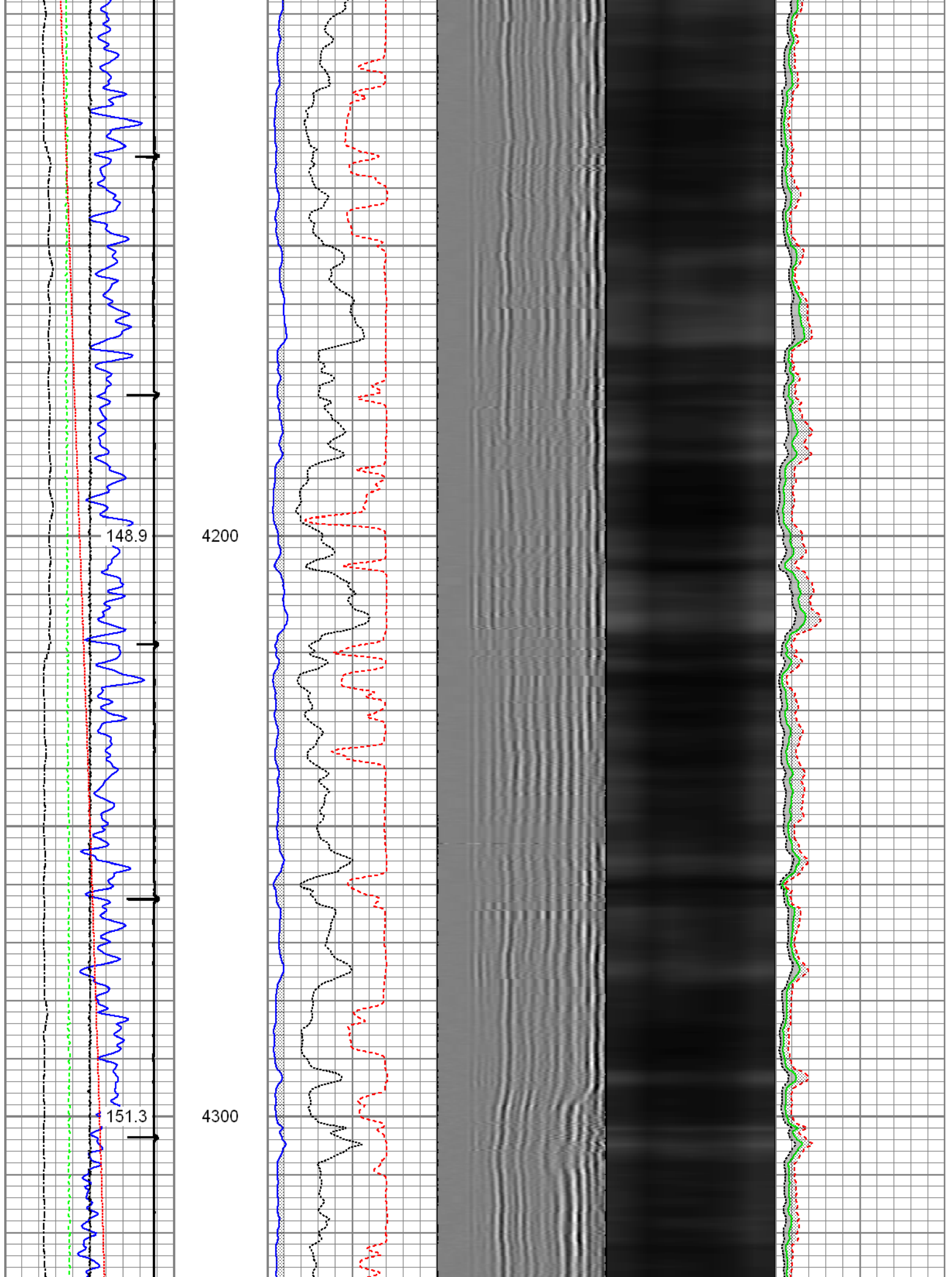


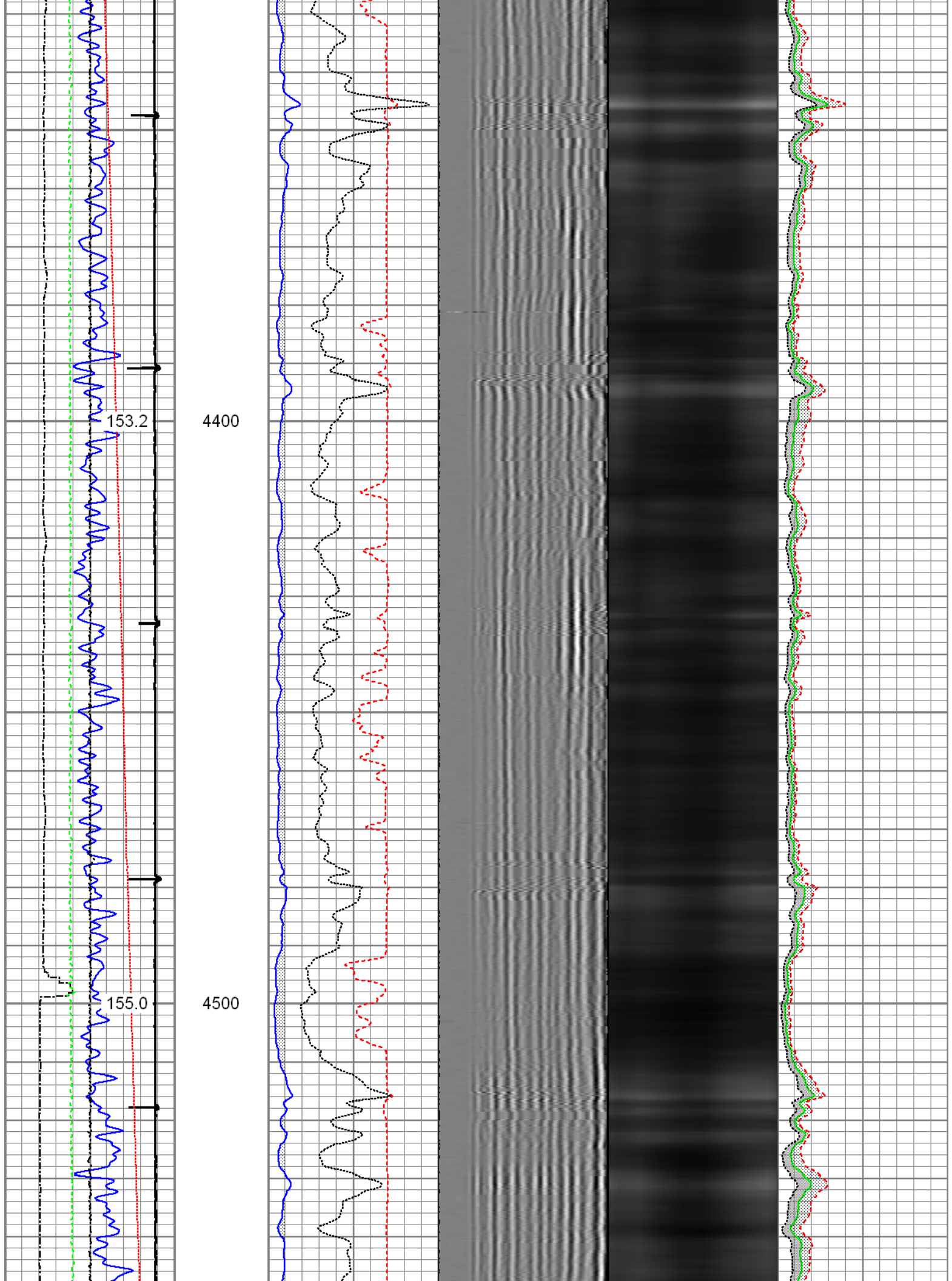


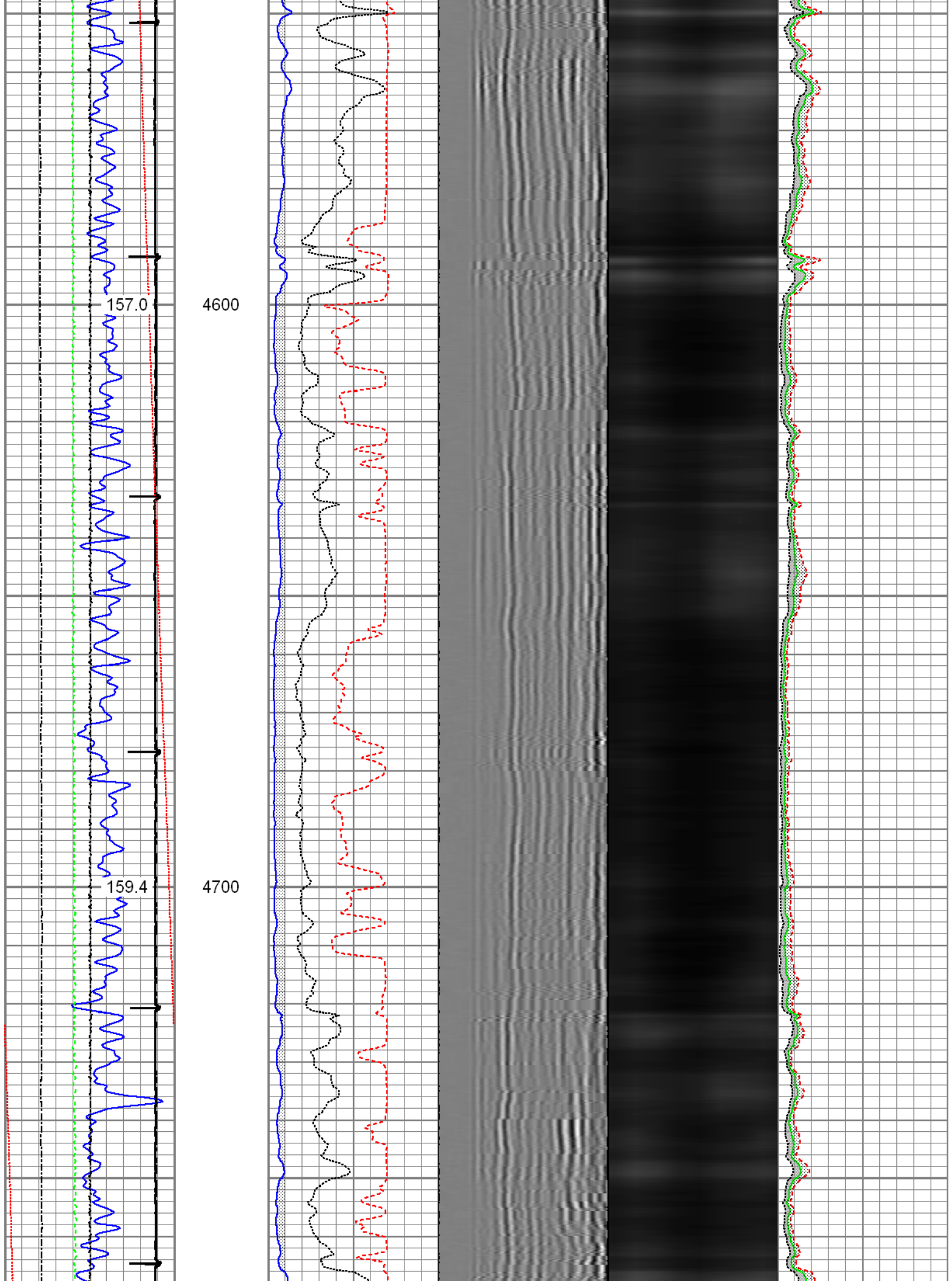


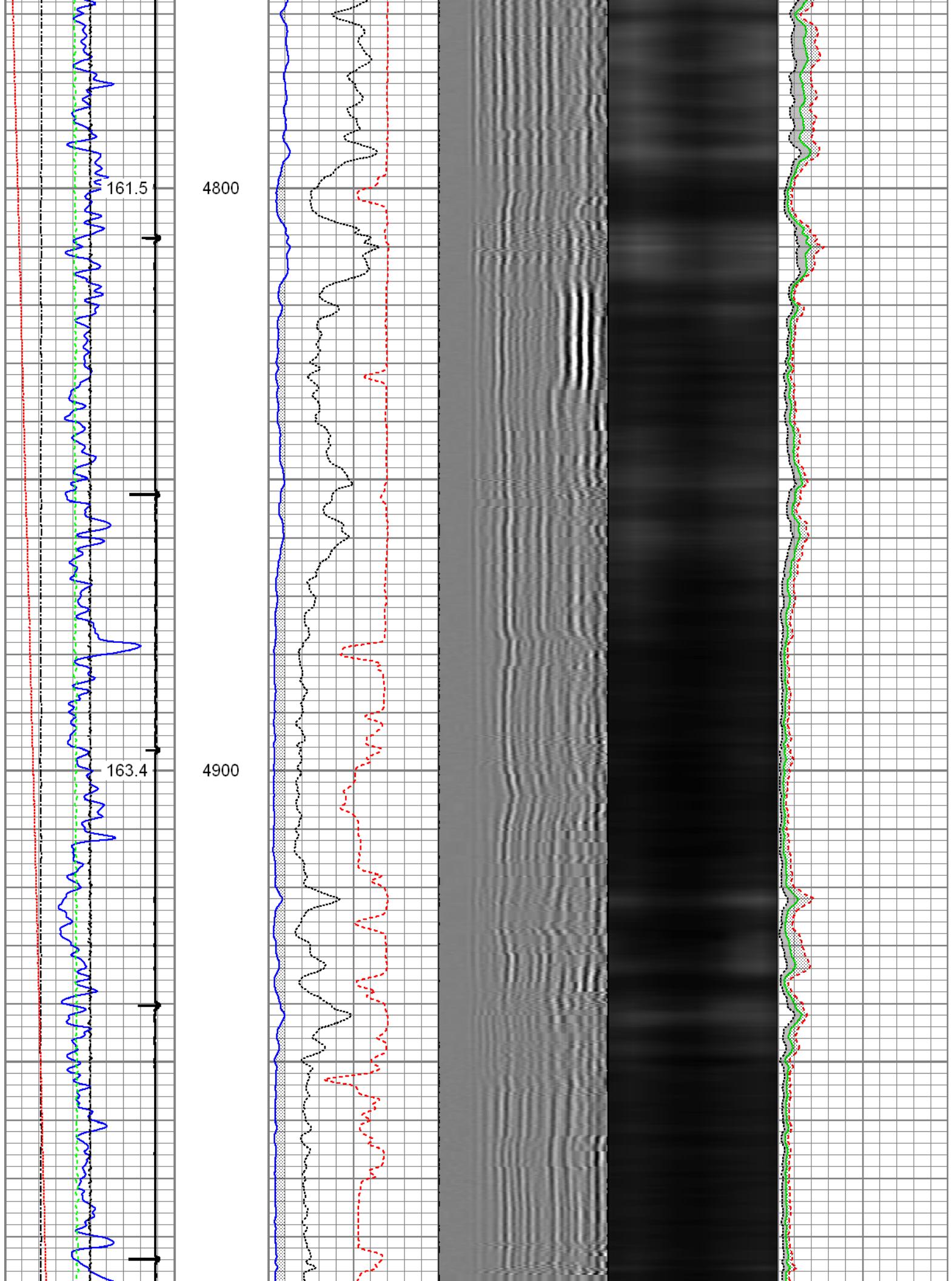


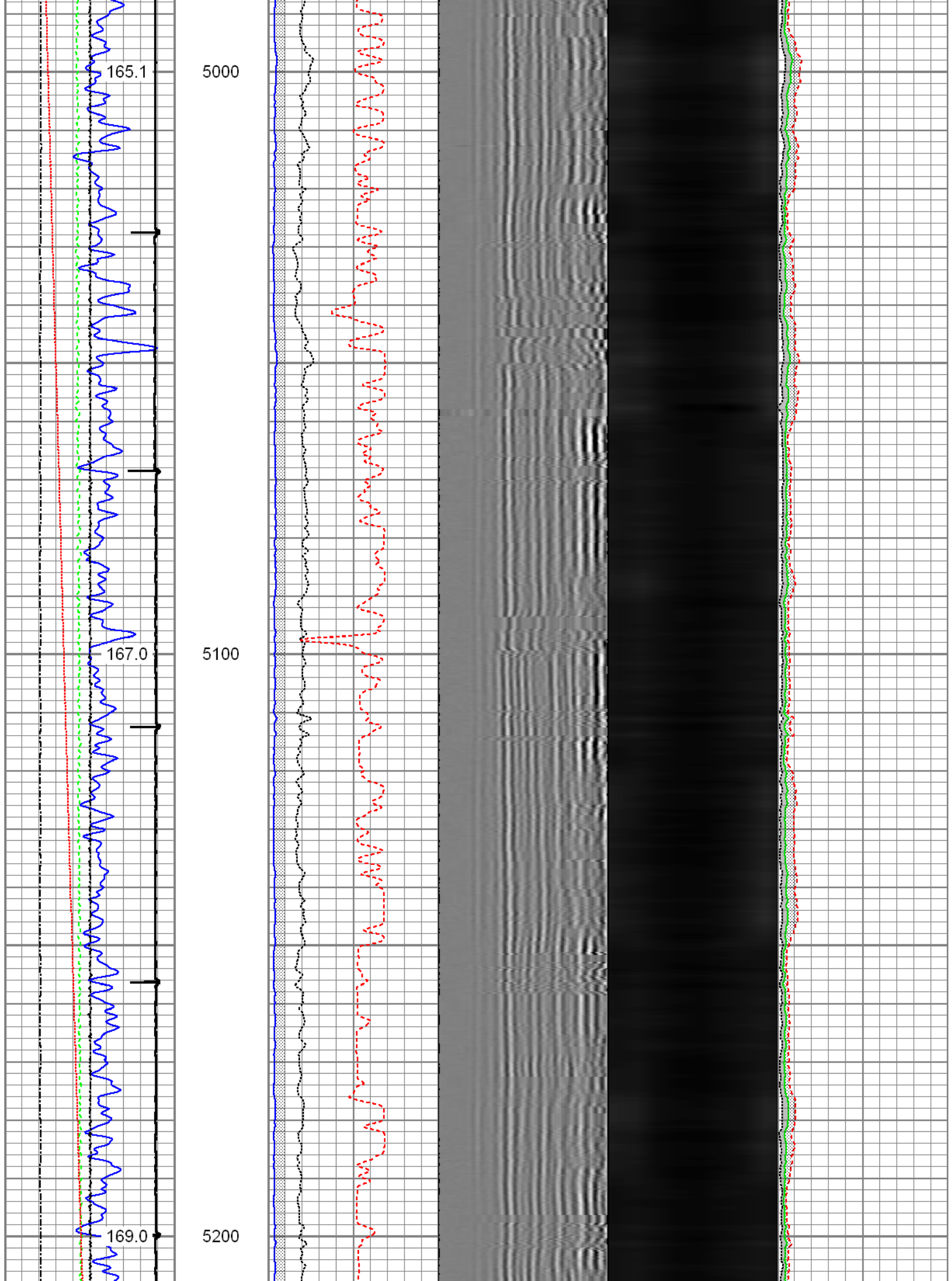


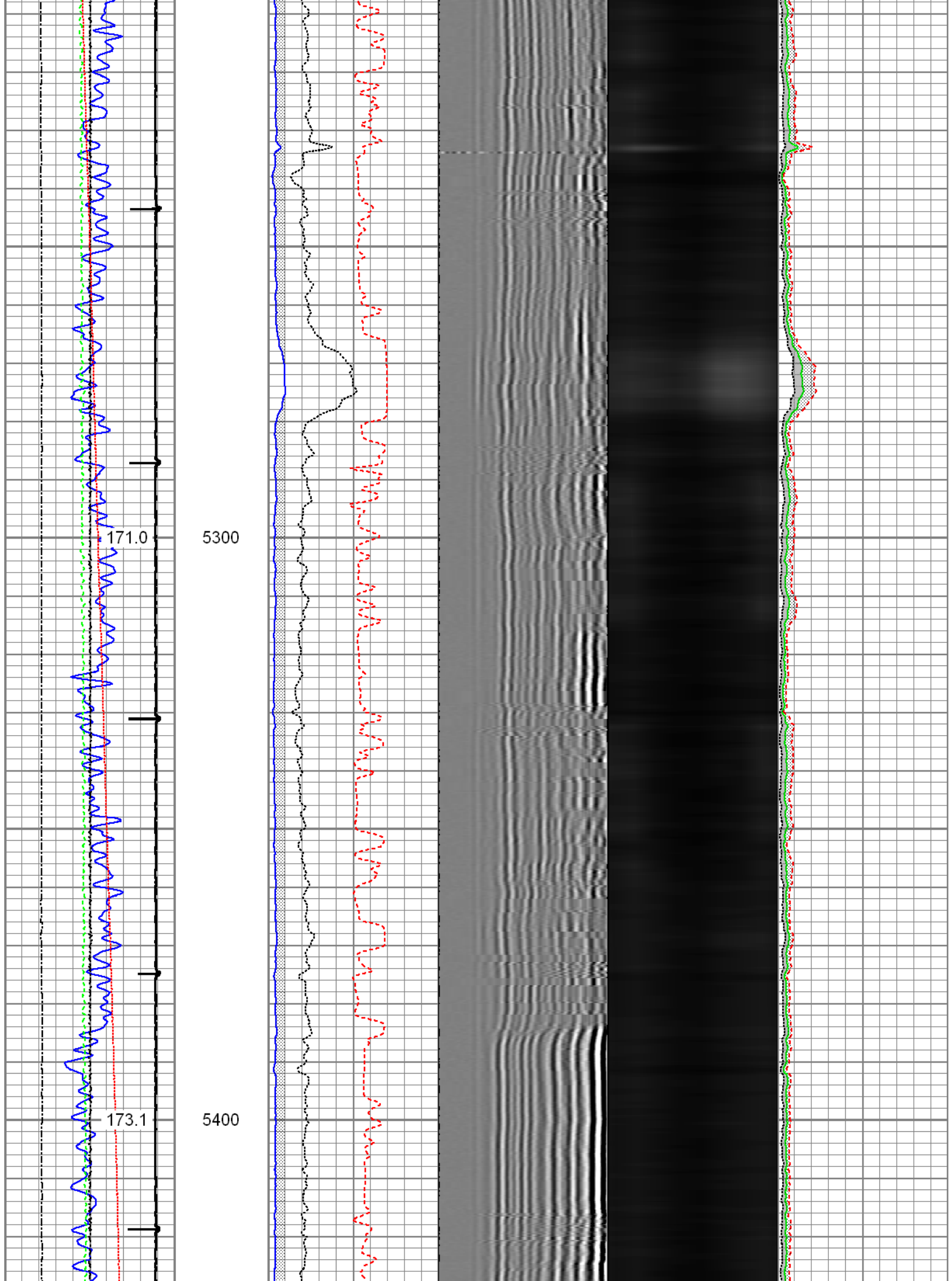


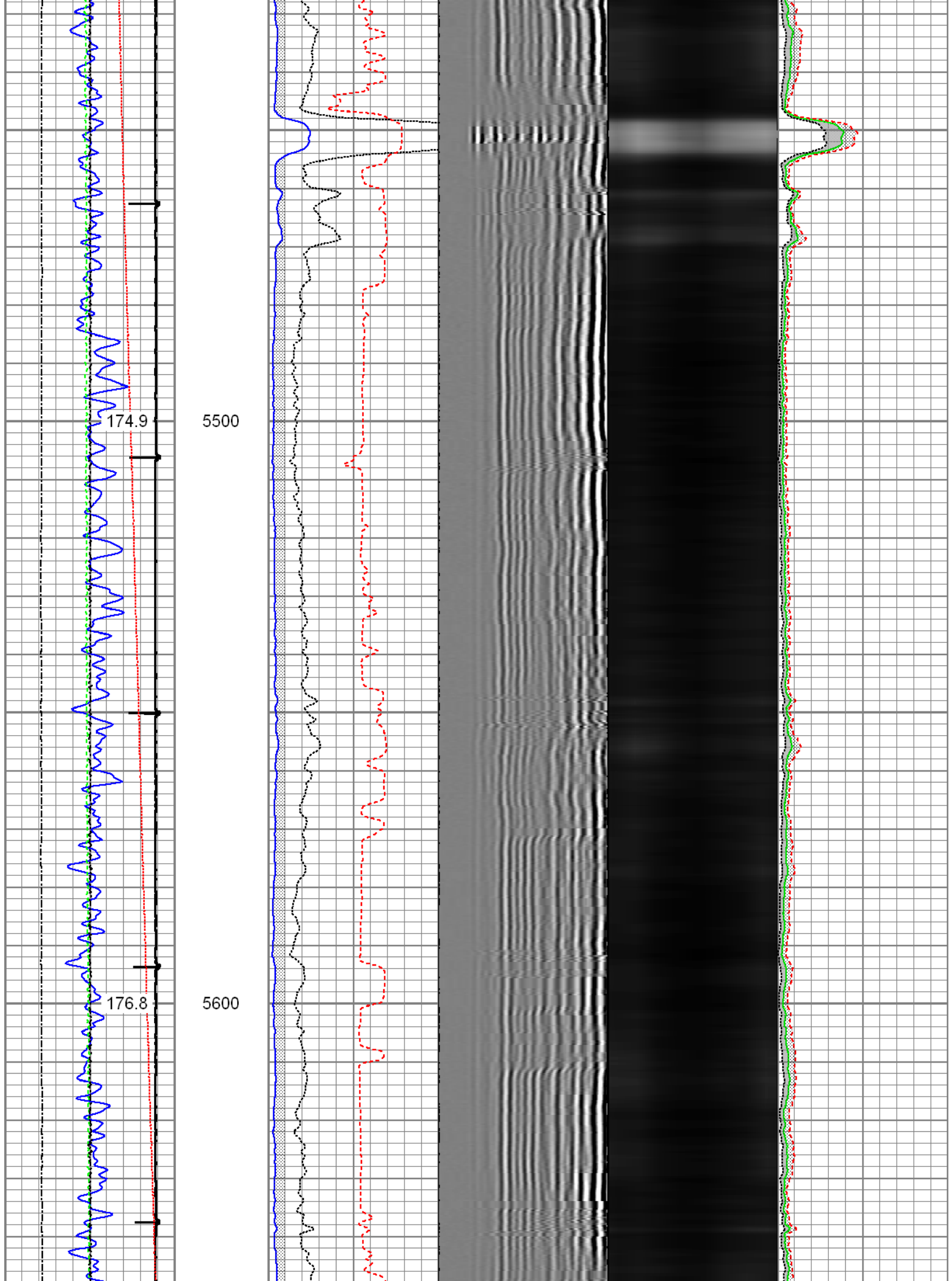


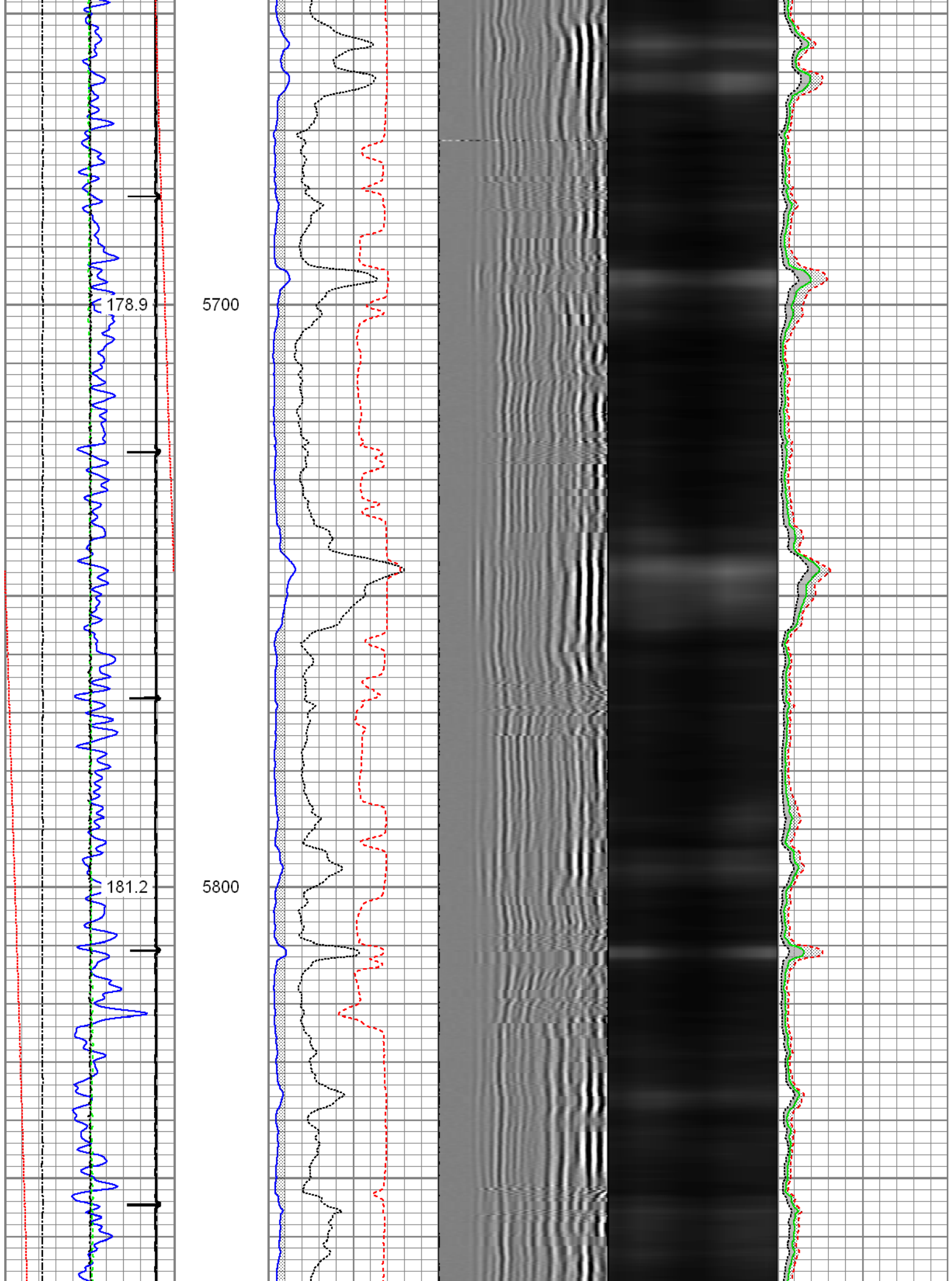


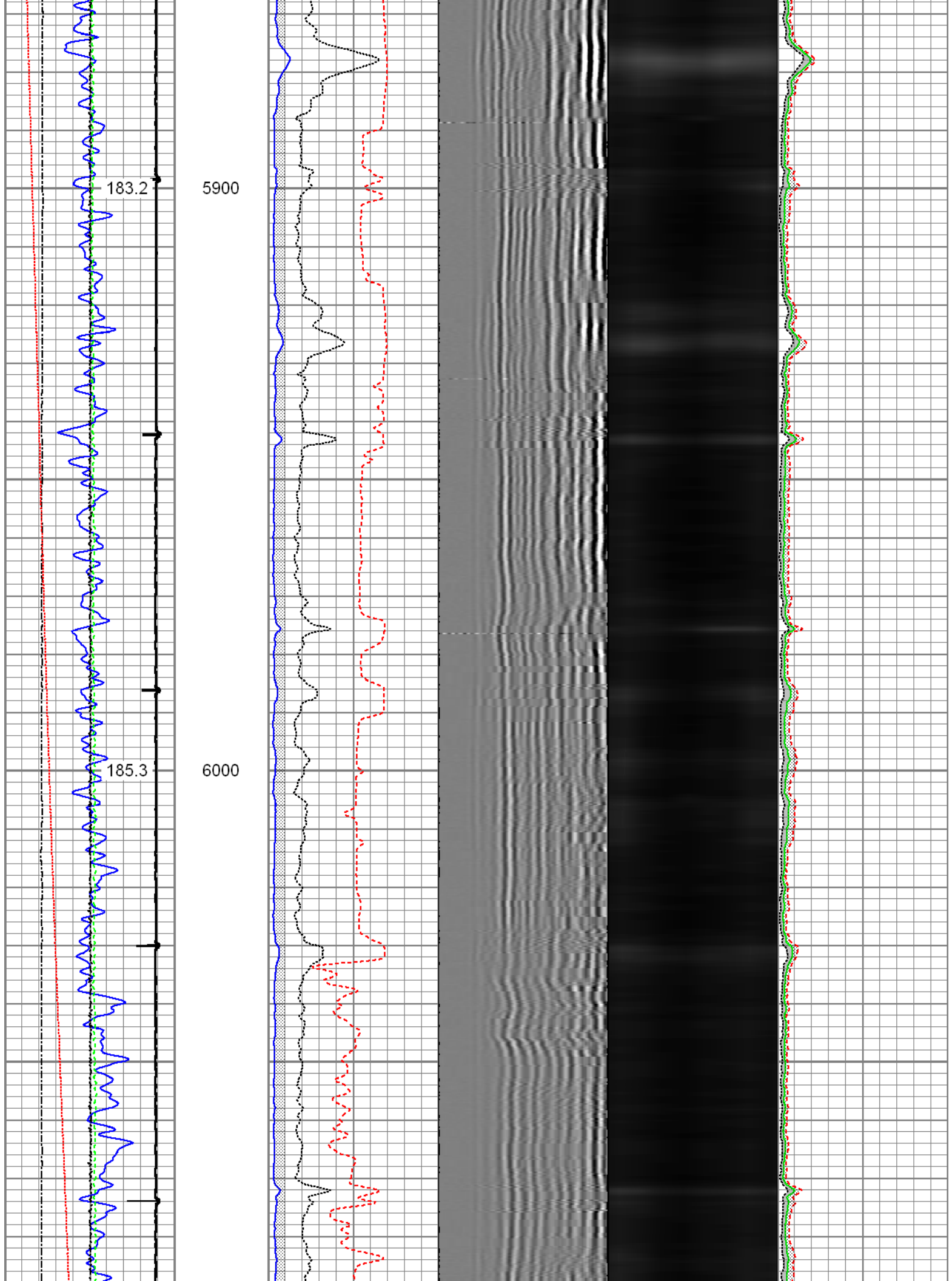


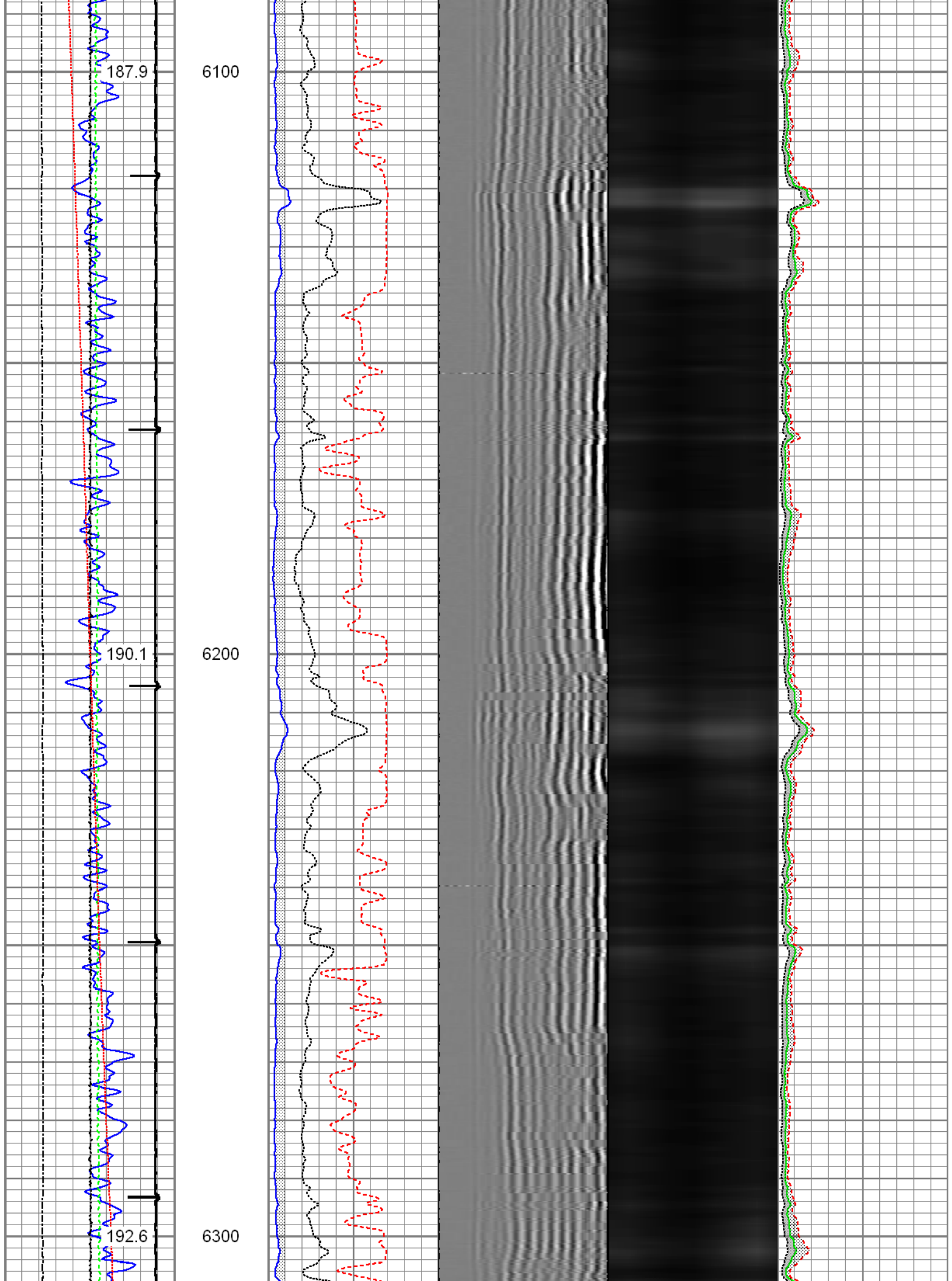


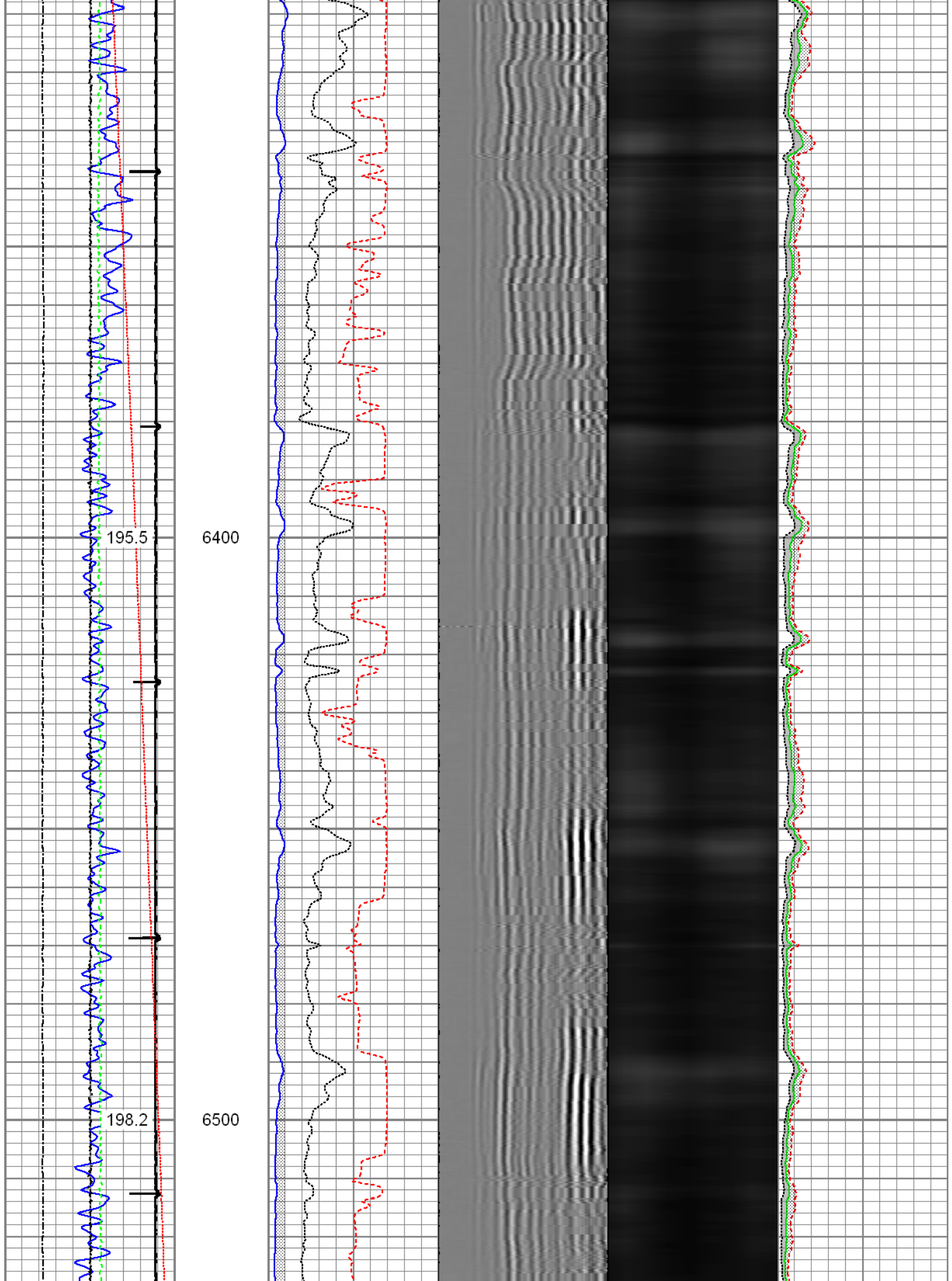


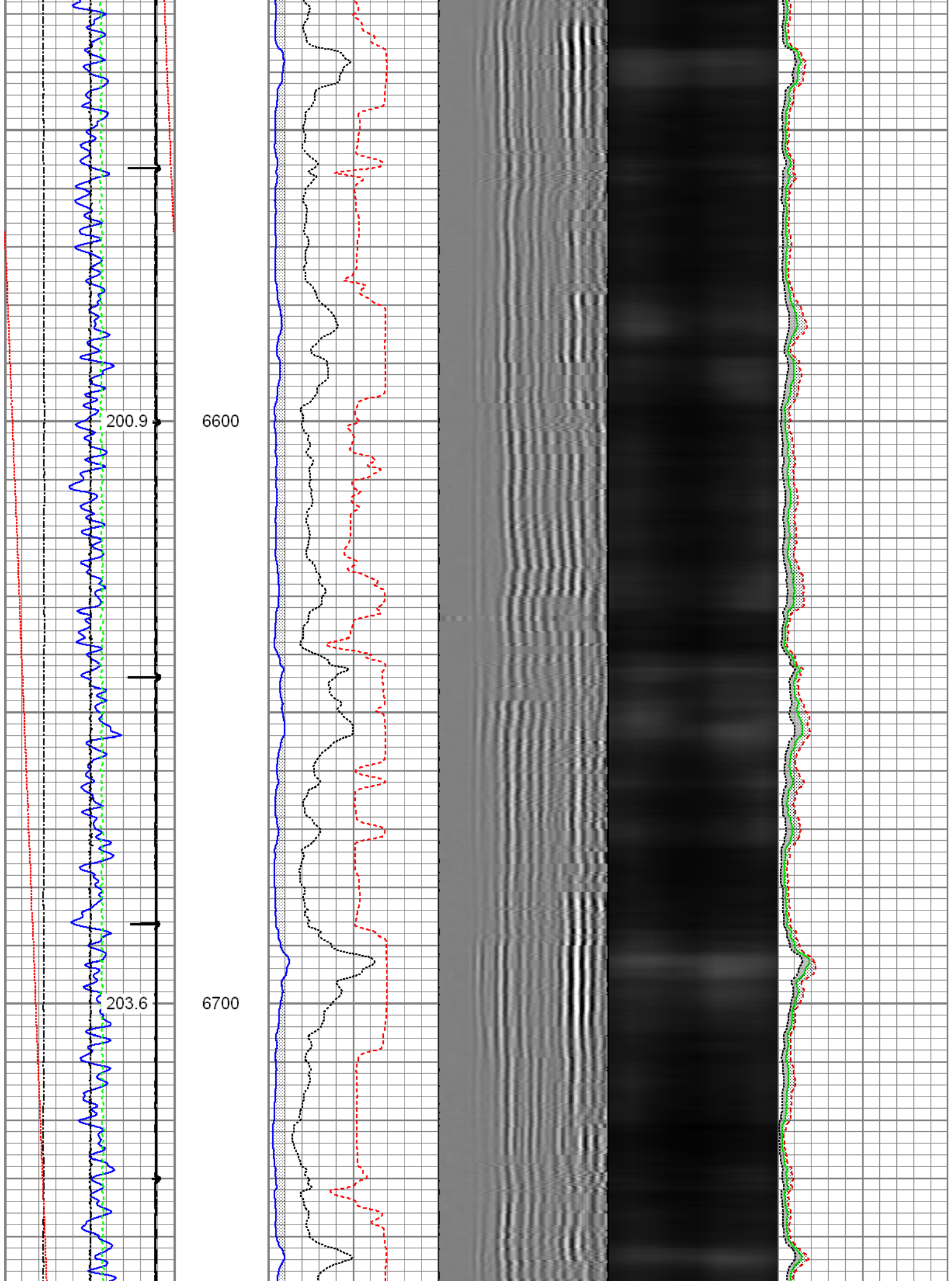


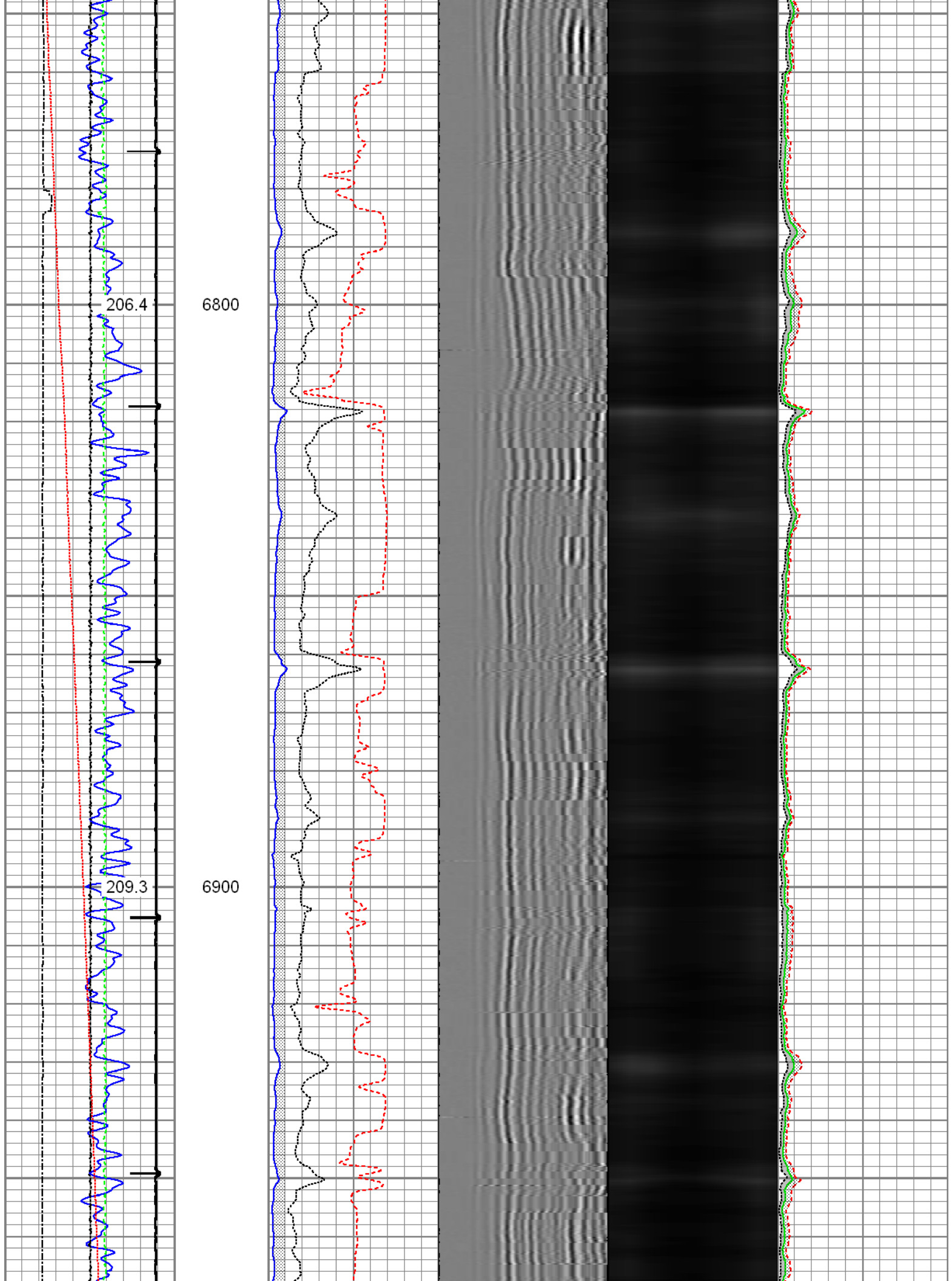


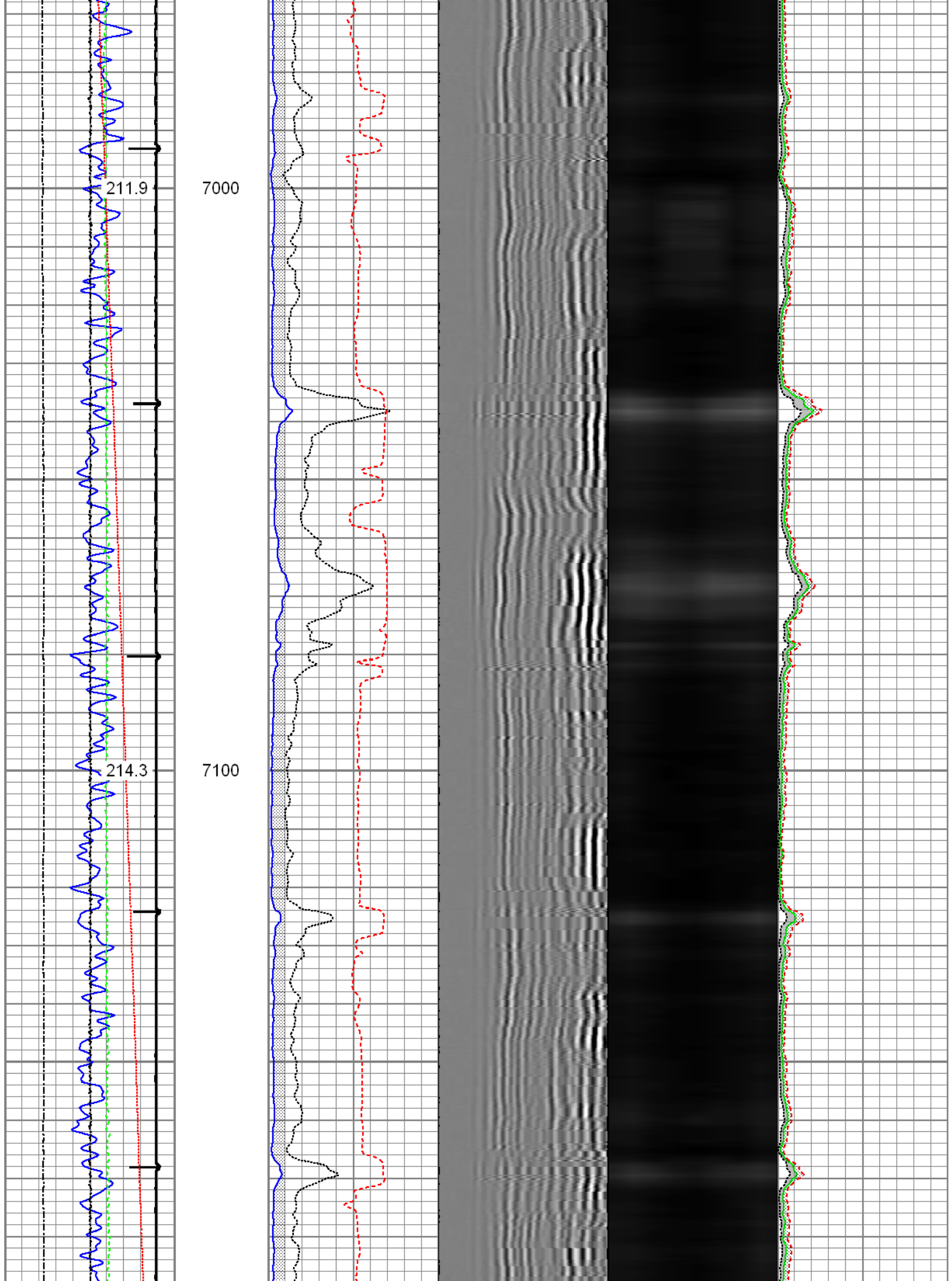


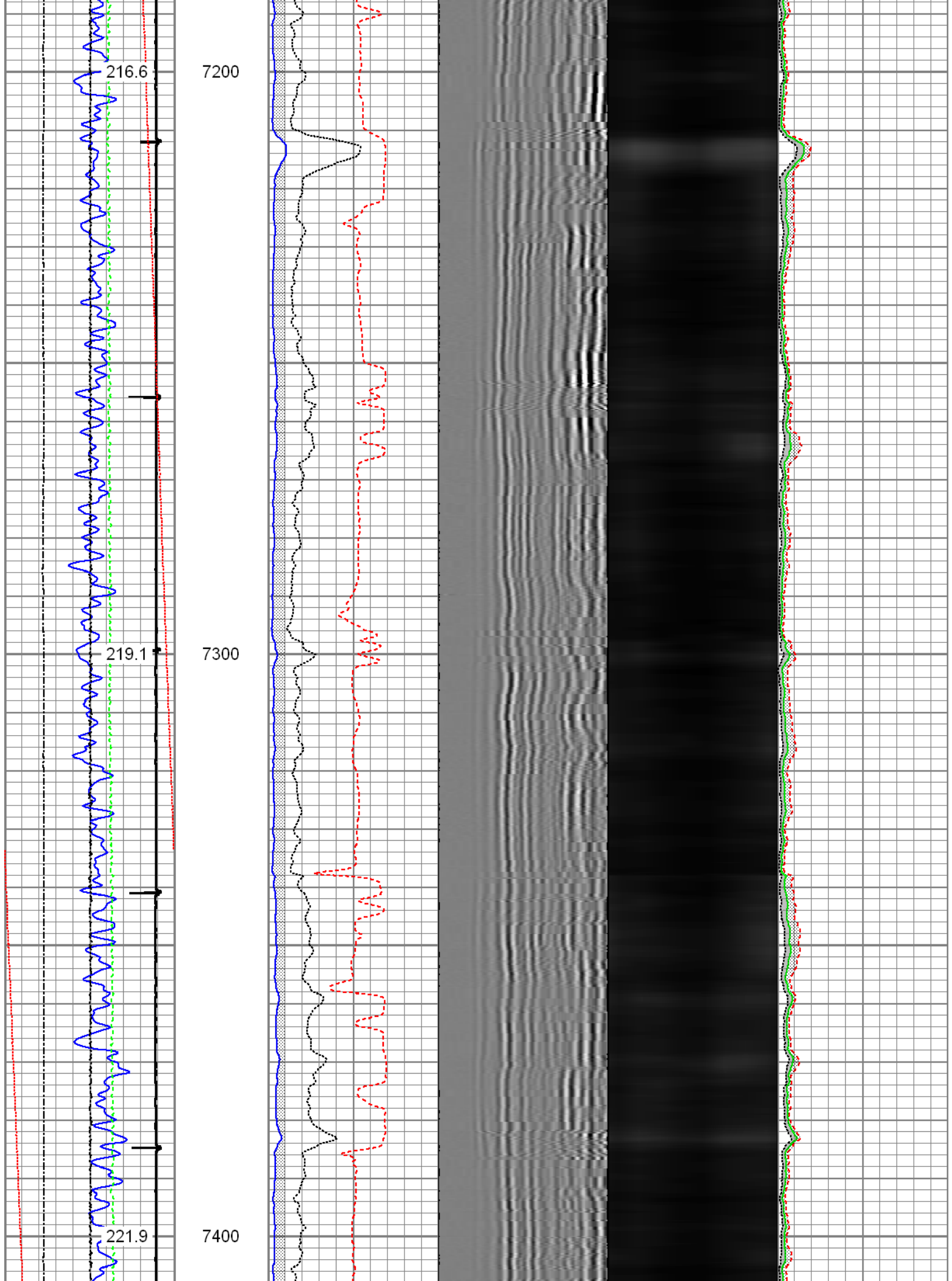


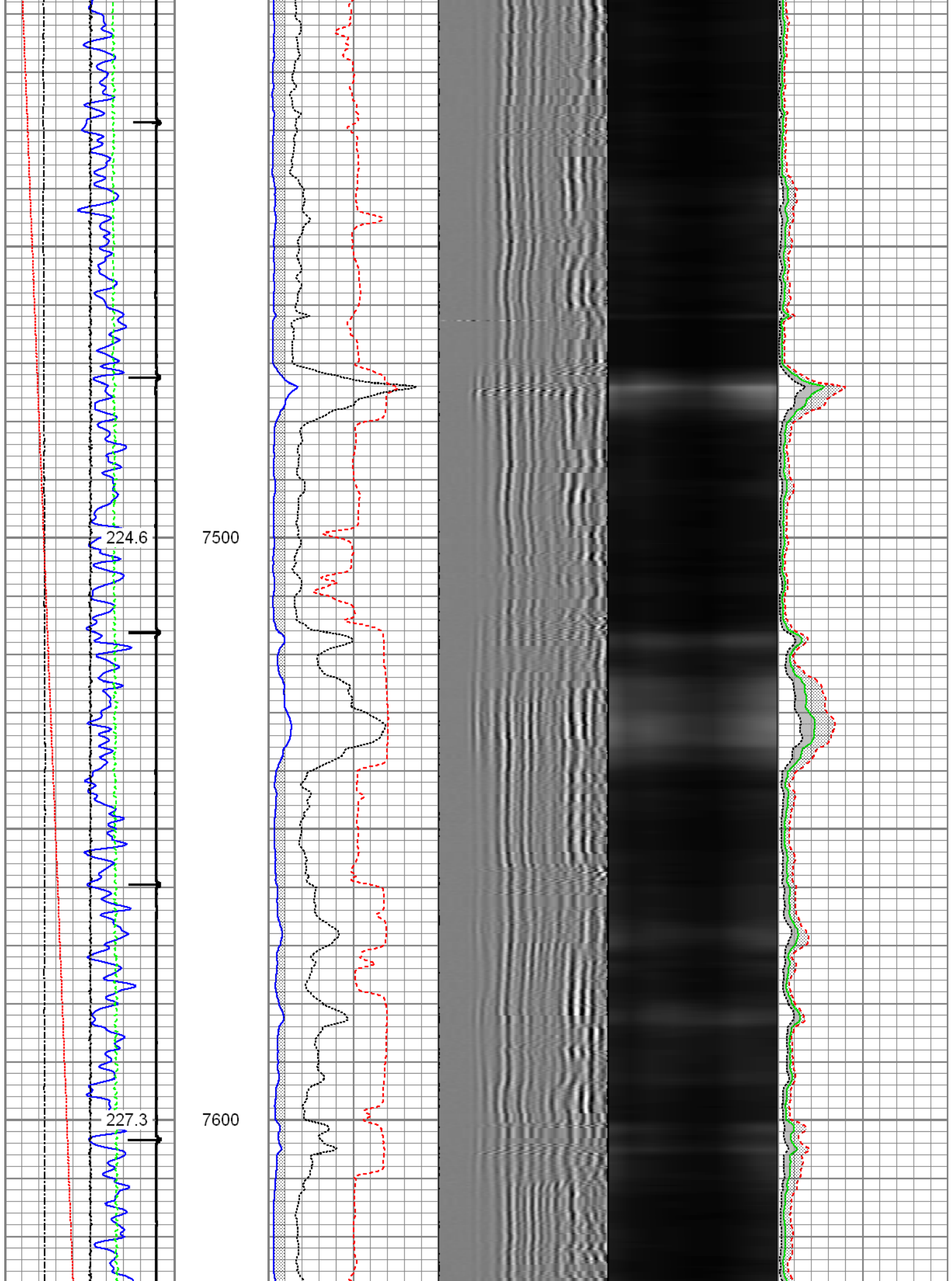


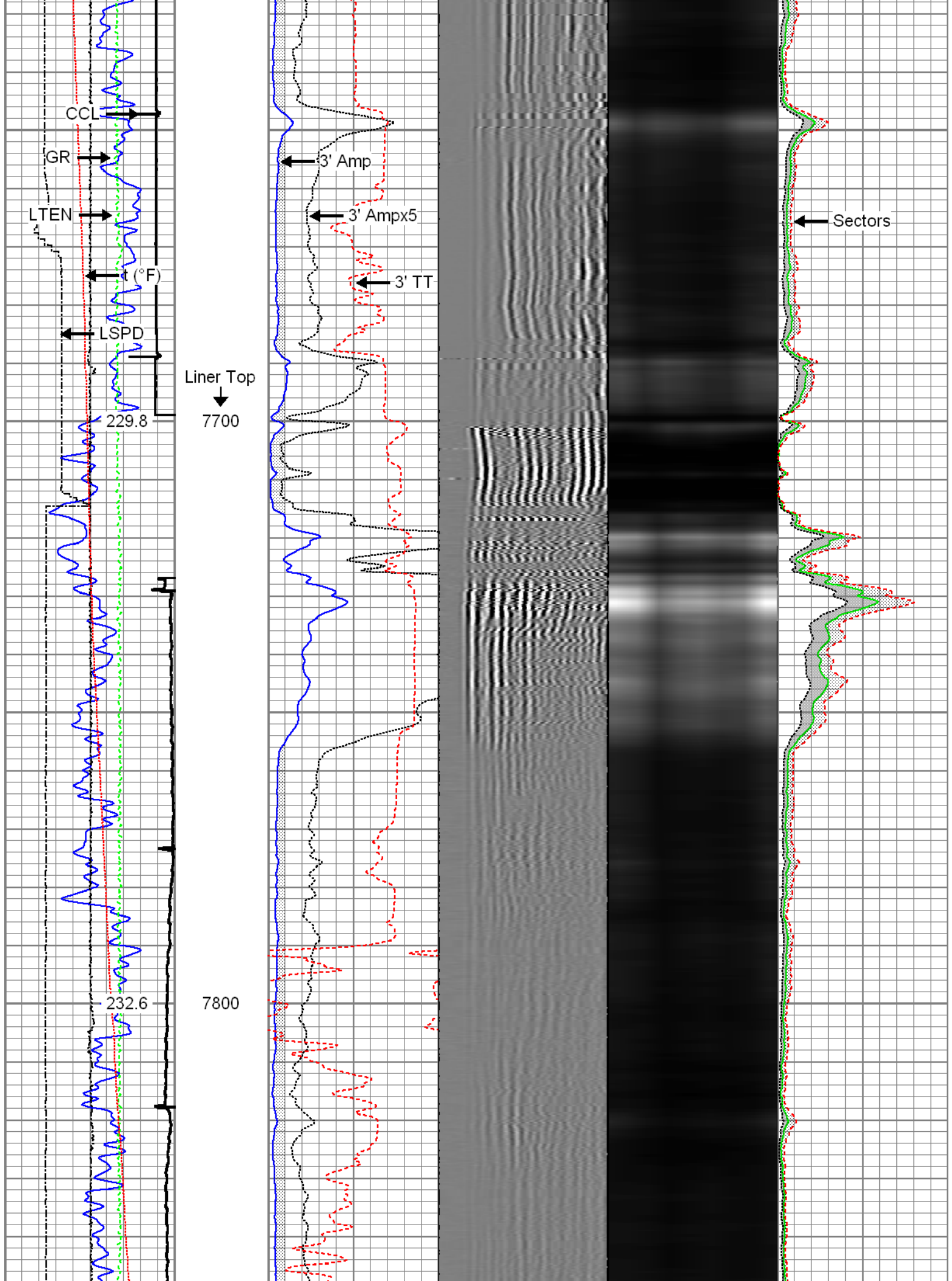


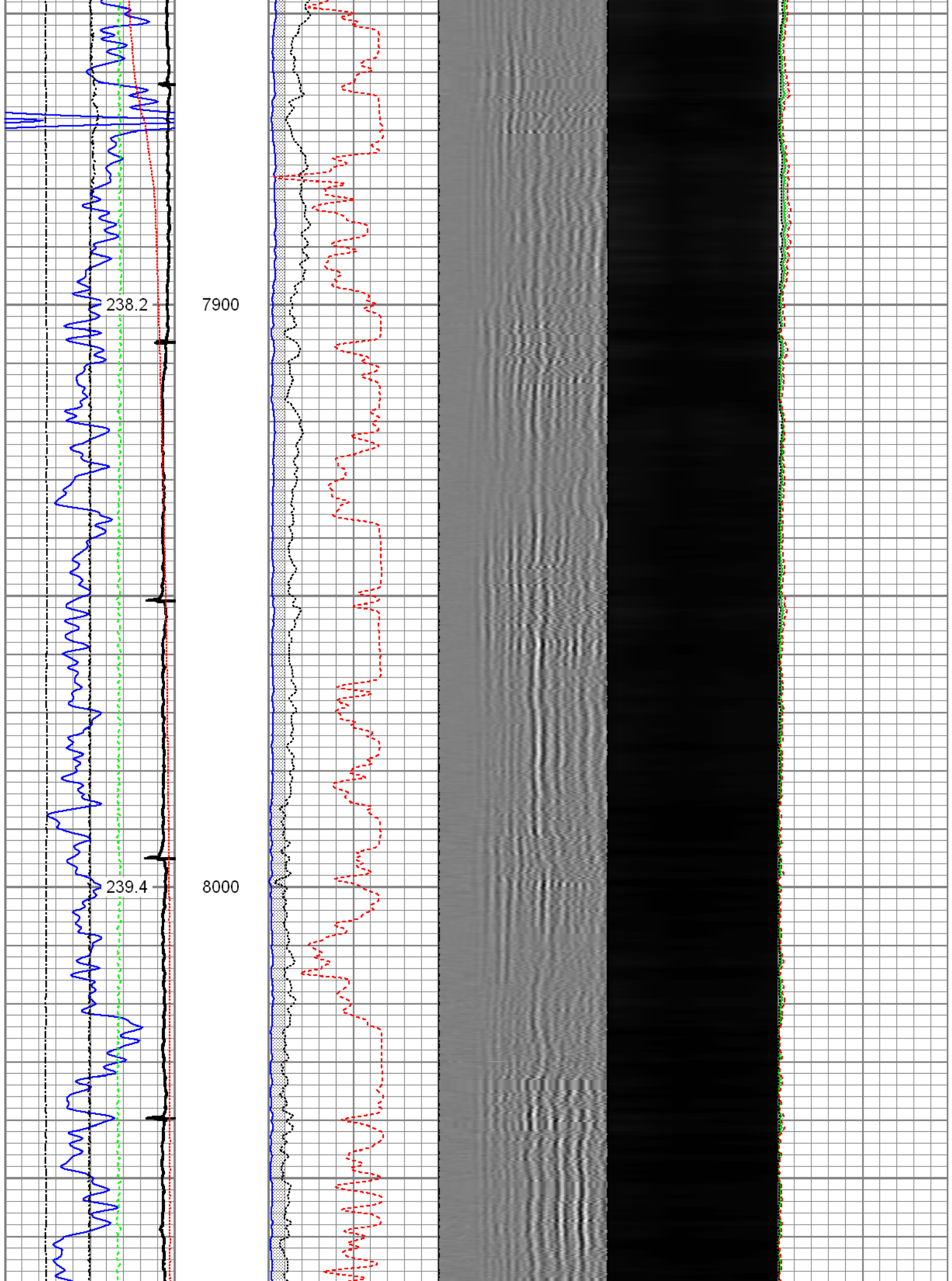


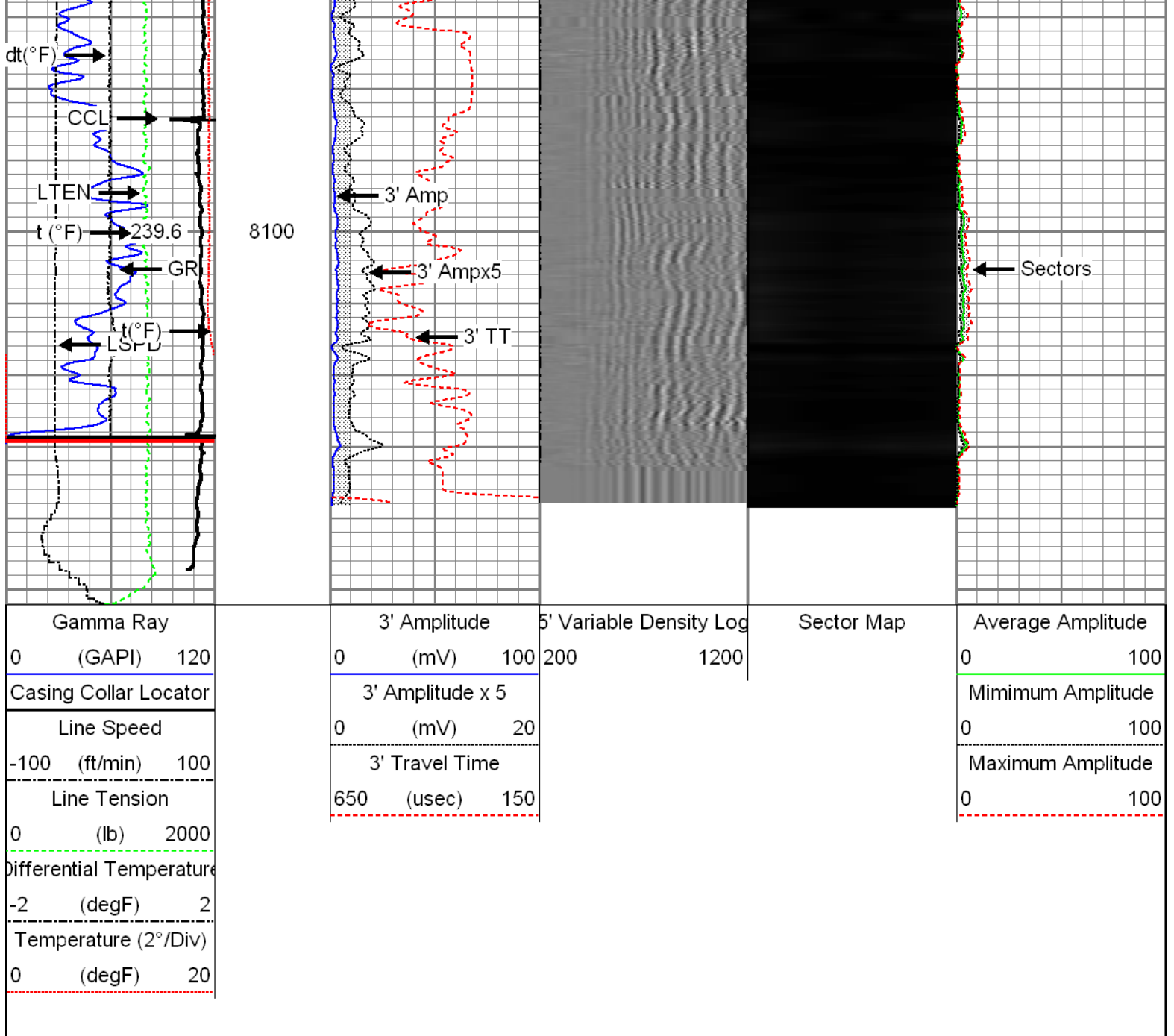








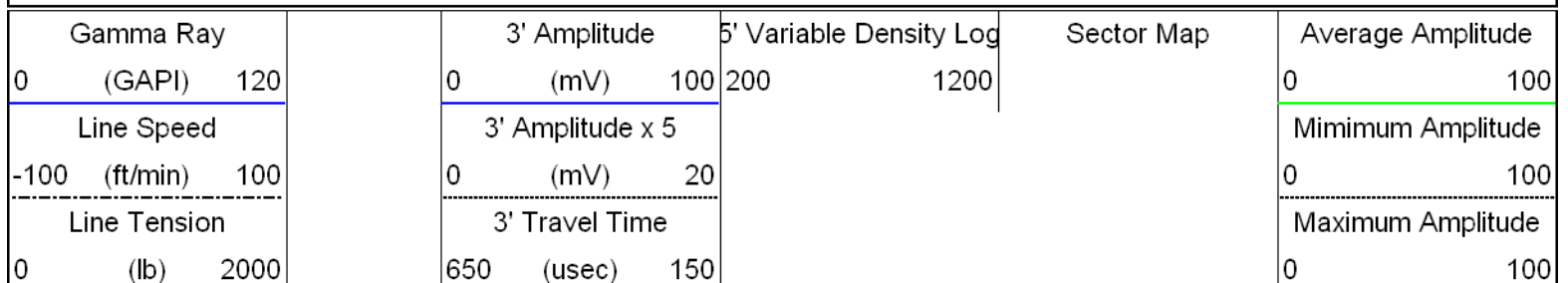




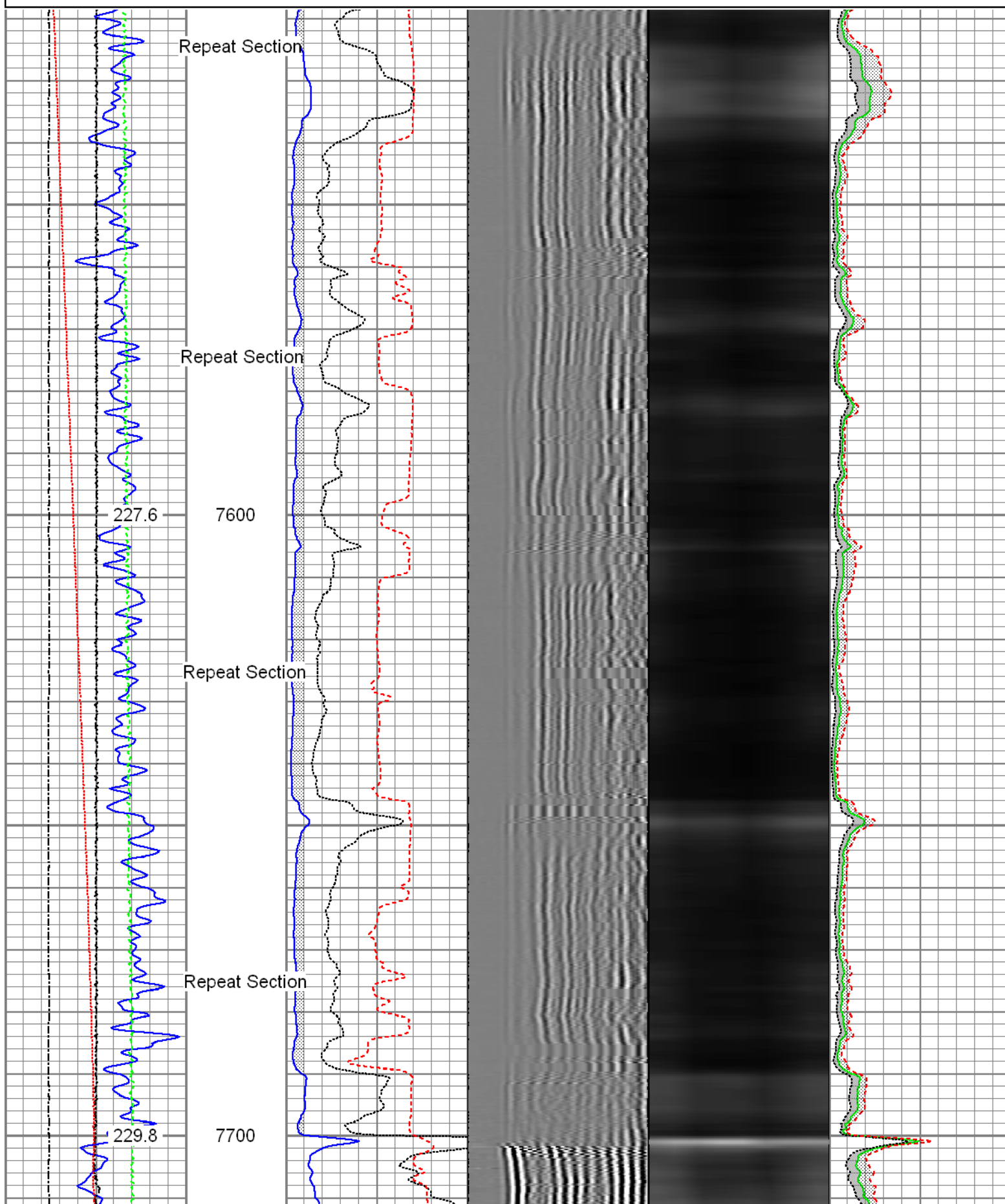
Repeat Pass

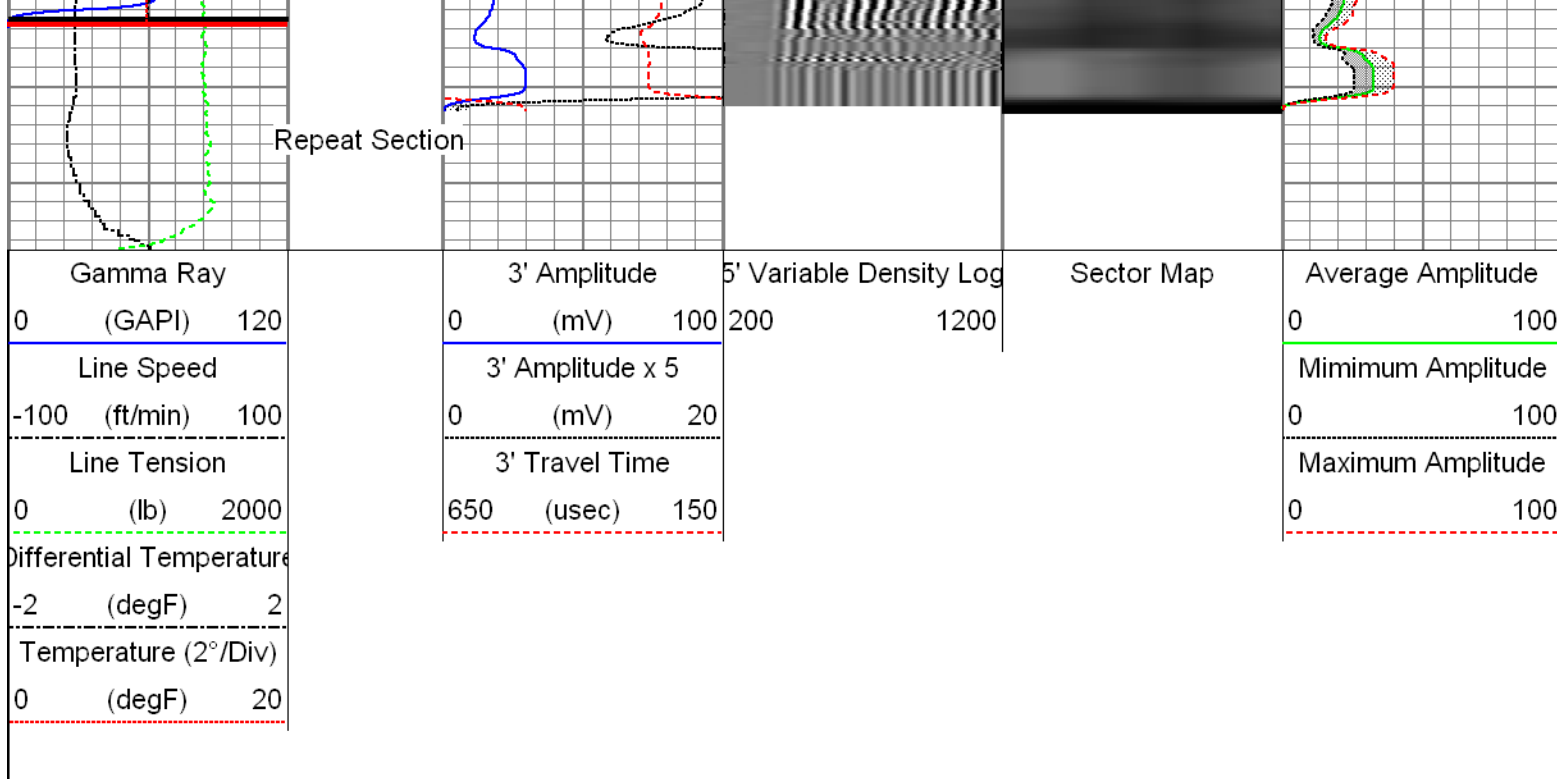
Recorded with 2800 PSI surface induced pressure

Database File: 0512340406_anadarko_cobra 30c-14hz_04-28-15_mit_rbl.db
 Dataset Pathname: pass2
 Presentation Format: rbt4_mit
 Dataset Creation: Tue Apr 28 12:25:56 2015 by Log 7.0 B1
 Charted by: Depth in Feet scaled 1:240

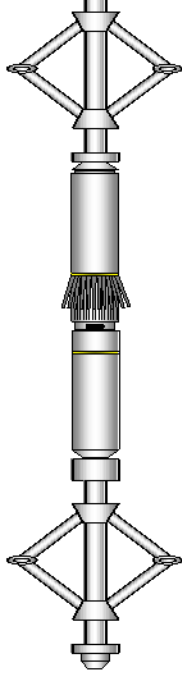


0	(degF)	20
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Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	24.71		T_CH14375_1_GO Titan 1-7/16" Assembled Electric Cable Head with 1" Fishing Neck	1.03	1.44	4.00
			UW_AGS-UW_AGS_001 (215017) Sondex Adapter - GO Box to Sondex Pin	0.21	1.69	1.00
			UW_XTU-UW_XTU_002 (211461) Crossover Ultrawire Toolbus to Ultralink	1.58	1.69	6.50
			UW_PGR-UW_PGR_020 (10024770) Production Gamma Ray	1.93	1.69	9.50
			UW_PRT-UW_PRT_016 (10025097) Platinum Resistance Thermometer	1.04	1.69	5.20
TEMP	23.32		UW_PRC-UW_PRC_057 (1101) Sondex 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00
WVF3FT	15.85		UW_RBT-UW_RBT_004 (10013454) Sondex Ultrawire 3-1/8" Radial Bond Tool	9.47	3.13	140.00
WVFS1	15.85					
WVFS2	15.85					
WVFS3	15.85					
WVFS4	15.85					
WVFS5	15.85					
WVFS6	15.85					
WVFS7	15.85					
WVFS8	15.85					
CBLTEMP	15.85					
CBLROT	15.85					

WVF5FT	14.85		UW_PRC-UW_PRC_057 (1037) Sondex 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00
MIT	5.41		UW_MIT-UW_MIT40_027 (218950) 40 Multifinger Imaging Tool	4.54	2.75	61.10
			UW_PRC #3 -UW_PRC_057 (1038) Sondex 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00
TSTAMP	0.00		UW_BUL-UW_BUL_006 (218707) Sondex Ultrawire Bullnose Terminator	0.22	1.69	1.20
Dataset: 0512340406_Anadarko_Cobra 30C-14HZ_04-28-15_MIT_RBL.db: field/well/run1/pass4 Total Length: 28.96 ft Total Weight: 324.50 lb O.D. 3.13 in						

Calibration Report	
Database File:	0512340406_anadarko_cobra 30c-14hz_04-28-15_mit_rbl.db
Dataset Pathname:	pass4
Dataset Creation:	Tue Apr 28 12:41:44 2015 by Log 7.0 B1

Multi-finger Imaging Tool Calibration Report
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Serial Number:	218950
Number of Fingers:	40
Tool Model:	UW_MIT40_027

Inclinometer Calibration Report		
Performed:	Fri, Oct, 10 10:41:51 2008	
Calibration Angle:	45	
	Inc X	Inc Y
Vertical:	1996	1975
Finger 1 up:	2238	2226
Finger 31 up:	1760	2216
Finger 21 up:	1769	1745
Finger 11 up:	2250	1738
Sensitivity ratio:	1.00023	
X-axis angle:	314.283	
Deviation const.:	339.139	

Finger Calibration Report							
Performed:				Tue Apr 28 11:49:21 2015			
Ring size:	4	5	6	7			
(in)							
	Sens	Sens	Sens				
Finger 01:	1426	278.0	1704	286.0	1990	314.0	2304
Finger 02:	1492	254.0	1746	256.0	2002	276.0	2278
Finger 03:	1400	279.0	1679	288.0	1967	316.0	2283
Finger 04:	1418	280.0	1698	287.0	1985	310.0	2295
Finger 05:	1454	274.0	1728	277.0	2005	298.0	2303
Finger 06:	1378	284.0	1662	294.0	1956	322.0	2278
Finger 07:	1399	284.0	1683	290.0	1973	318.0	2291
Finger 08:	1395	280.0	1675	287.0	1962	309.0	2271

Finger 09:	1385	285.0	1670	295.0	1965	318.0	2283
Finger 10:	1403	276.0	1679	287.0	1966	305.0	2271
Finger 11:	1381	286.0	1667	295.0	1962	314.0	2276
Finger 12:	1345	287.0	1632	301.0	1933	318.0	2251
Finger 13:	1444	269.0	1713	278.0	1991	286.0	2277
Finger 14:	1383	272.0	1655	291.0	1946	300.0	2246
Finger 15:	1380	290.0	1670	301.0	1971	307.0	2278
Finger 16:	1388	280.0	1668	298.0	1966	302.0	2268
Finger 17:	1403	293.0	1696	306.0	2002	304.0	2306
Finger 18:	1363	282.0	1645	295.0	1940	293.0	2233
Finger 19:	1410	283.0	1693	299.0	1992	292.0	2284
Finger 20:	1423	281.0	1704	302.0	2006	292.0	2298
Finger 21:	1377	295.0	1672	316.0	1988	304.0	2292
Finger 22:	1405	275.0	1680	293.0	1973	280.0	2253
Finger 23:	1408	282.0	1690	298.0	1988	284.0	2272
Finger 24:	1440	289.0	1729	301.0	2030	274.0	2304
Finger 25:	1425	286.0	1711	300.0	2011	284.0	2295
Finger 26:	1393	291.0	1684	303.0	1987	288.0	2275
Finger 27:	1449	280.0	1729	293.0	2022	276.0	2298
Finger 28:	1420	298.0	1718	292.0	2010	285.0	2295
Finger 29:	1490	270.0	1760	277.0	2037	267.0	2304
Finger 30:	1398	287.0	1685	297.0	1982	291.0	2273
Finger 31:	1433	289.0	1722	301.0	2023	291.0	2314
Finger 32:	1485	273.0	1758	279.0	2037	273.0	2310
Finger 33:	1441	289.0	1730	302.0	2032	300.0	2332
Finger 34:	1447	281.0	1728	294.0	2022	298.0	2320
Finger 35:	1495	267.0	1762	268.0	2030	270.0	2300
Finger 36:	1475	271.0	1746	280.0	2026	292.0	2318
Finger 37:	1447	283.0	1730	291.0	2021	303.0	2324
Finger 38:	1515	253.0	1768	260.0	2028	273.0	2301
Finger 39:	1439	280.0	1719	281.0	2000	297.0	2297
Finger 40:	1399	286.0	1685	295.0	1980	317.0	2297

Segmented Cement Bond Log Calibration Report						
Serial Number:		10013454				
Tool Model:		UW_RBT_004				
Calibration Casing Diameter:		7.000	in			
Calibration Depth:		199.575	ft			
Master Calibration, performed Tue Apr 28 11:57:48 2015:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	-0.001	0.562	1.000	62.165	108.554	1.133
5FT	-0.004	0.708	1.000	62.165	85.896	1.315
S1	-0.001	0.535	0.000	100.000	186.568	0.273
S2	-0.004	0.614	0.000	100.000	162.019	0.593
S3	-0.003	0.607	0.000	100.000	163.981	0.450
S4	-0.004	0.476	0.000	100.000	208.597	0.756
S5	-0.002	0.517	0.000	100.000	192.568	0.367
S6	-0.004	0.547	0.000	100.000	181.730	0.666
S7	-0.002	0.568	0.000	100.000	175.403	0.428
S8	-0.003	0.603	0.000	100.000	165.079	0.415
Temperature Calibration Report						

Point #	Reading	Reference
1	13053.00	cps
2	18014.00	cps
3	29668.00	cps
4	41181.00	cps
5	52983.00	cps
6	58931.00	cps
7		cps
8		cps
9		cps
10		cps

Gamma Ray Calibration Report		
Serial Number:	10024770	
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	Cobra 30C-14HZ
	Field	Wattenberg
	County	Weld
	State	Colorado