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<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 6687 FT Adjusted log +23.5 FT to correlate with liner top Gauge Ring/Junk Basket ran to 7407 FT no debris was found after run Log ran from 7404 FT to surface No debris found on logging tools upon completion of run</p> <p>Thank you for choosing FMC Technologies Completion Services, Inc.!!</p>



Recorded with 2800 PSI Surface Induced Pressure

Database File: c:\warrior\data\anadarko_goodin 16n-a6hz\0512340744_anadarko_goodin 16n-a6hz_06-26-15_mit_r

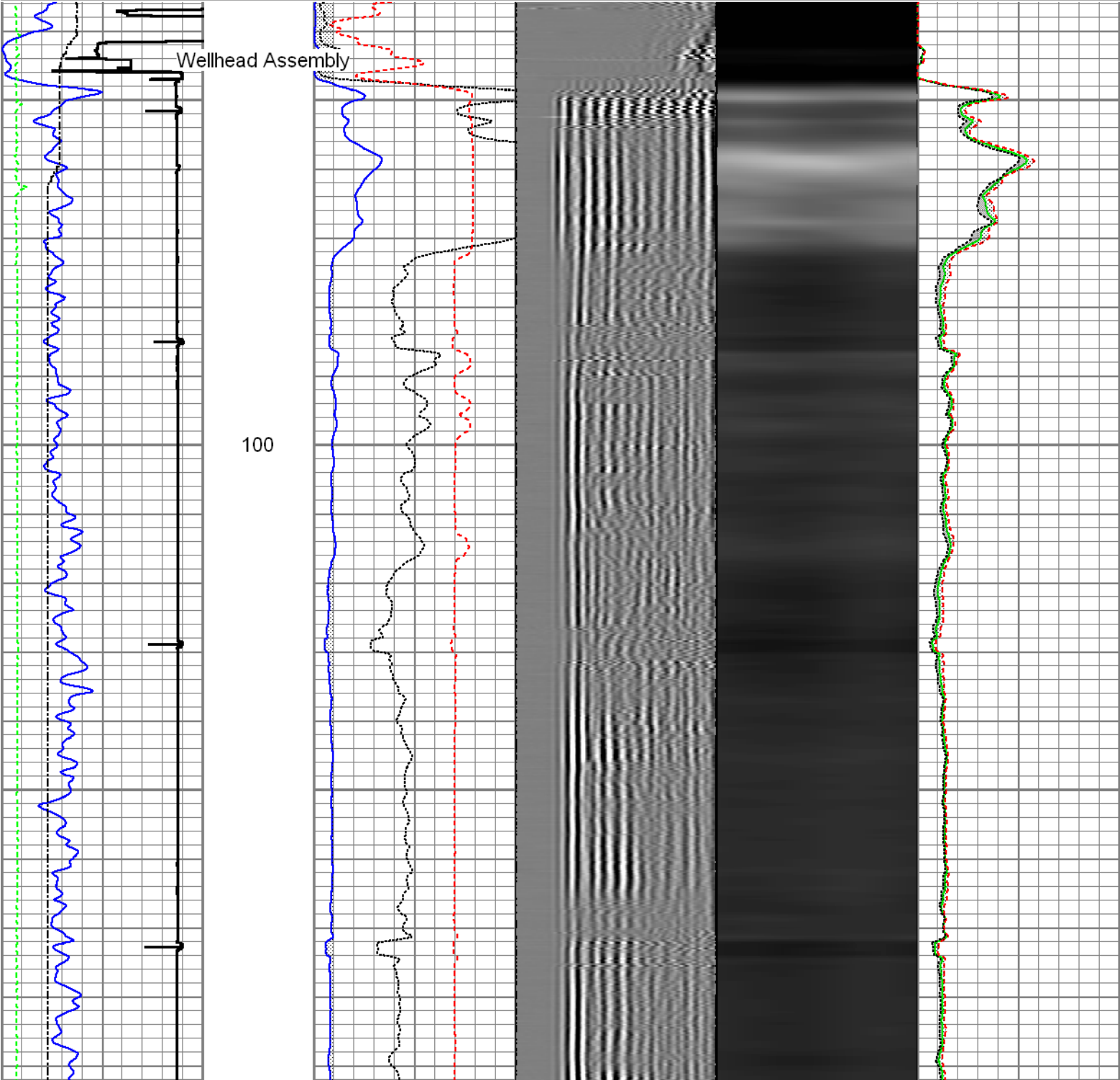
Dataset Pathname: pass4

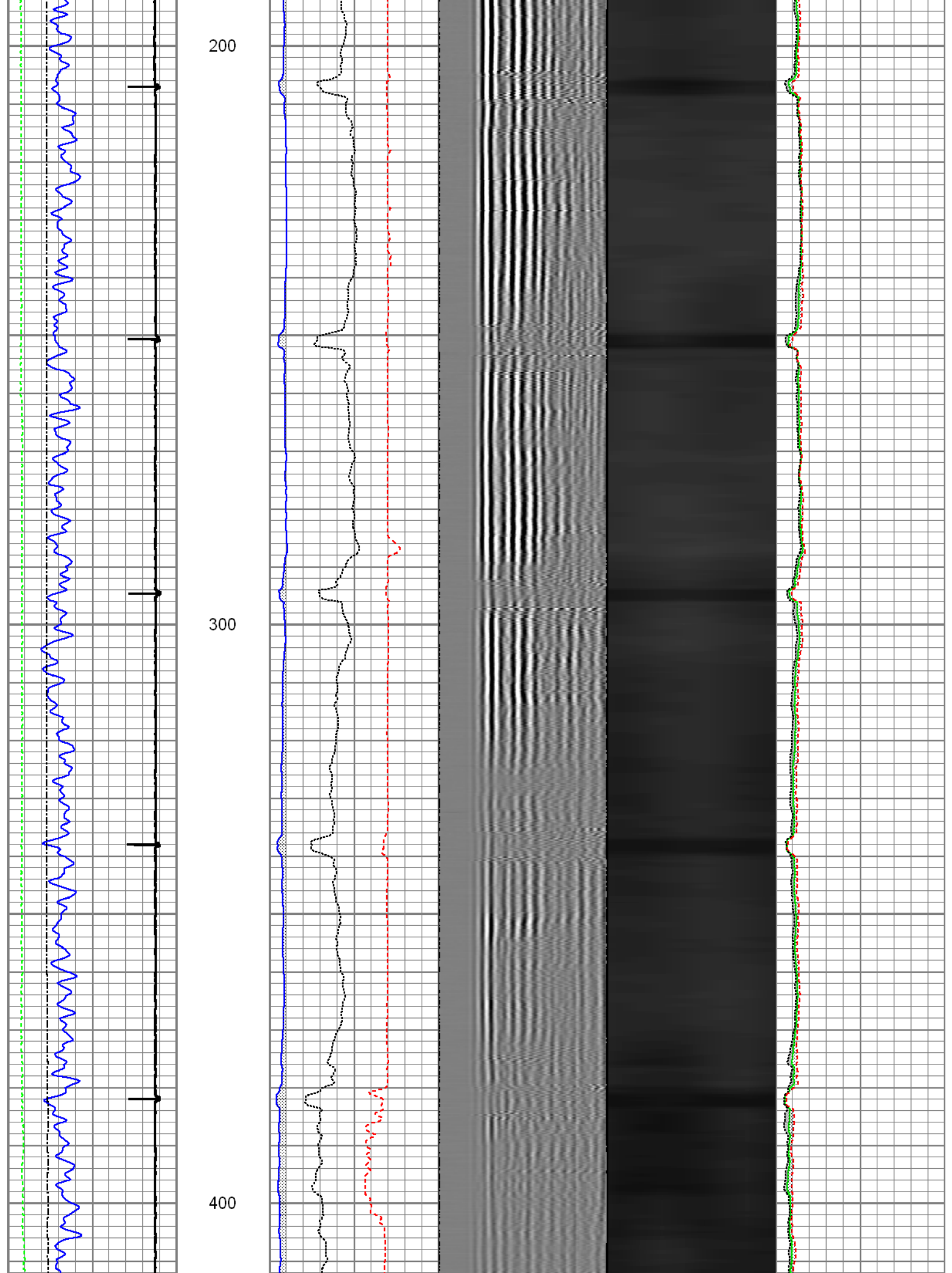
Presentation Format: rbt4_mit

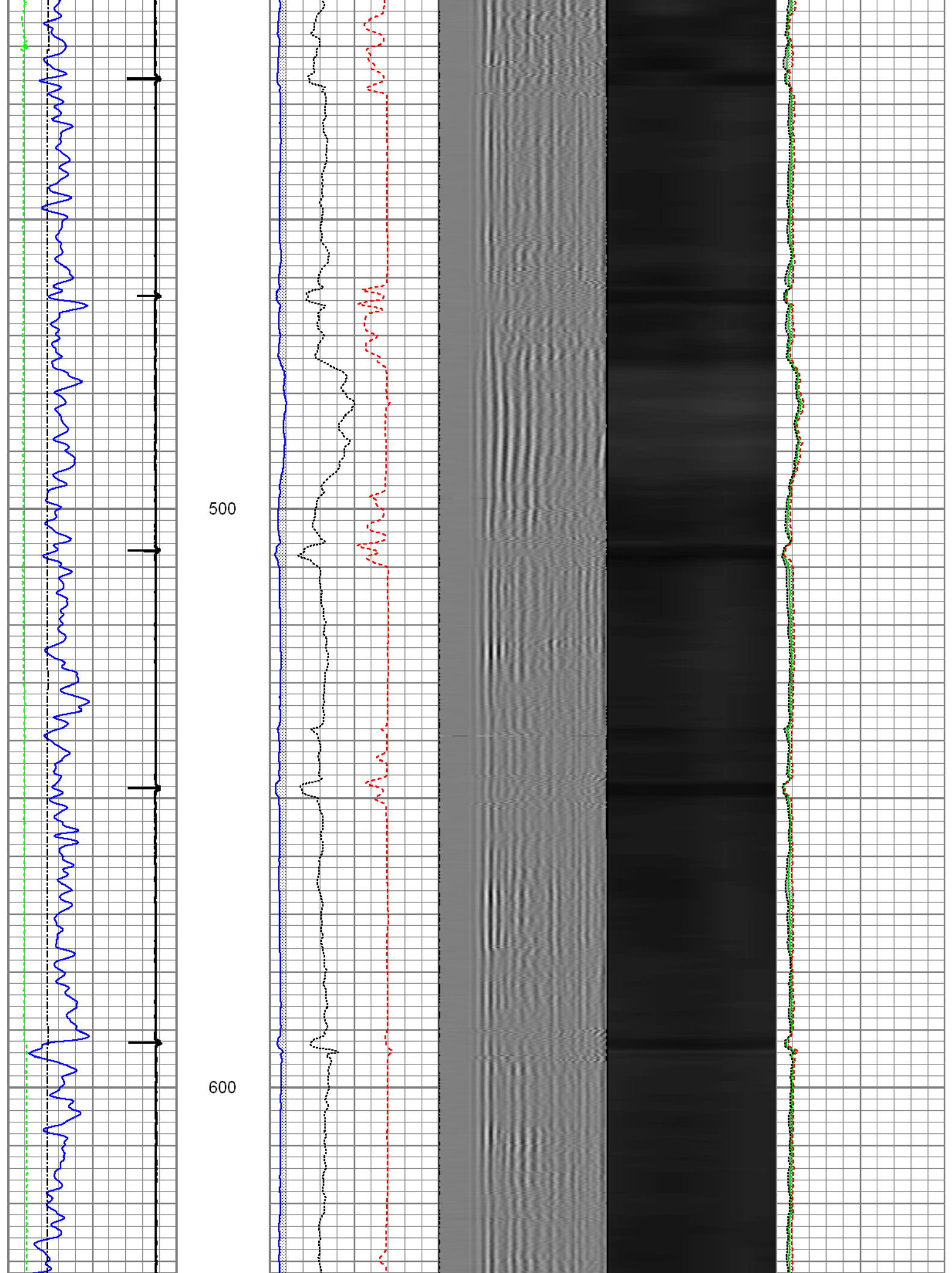
Dataset Creation: Fri Jun 26 12:50:47 2015 by Log 7.0 B1

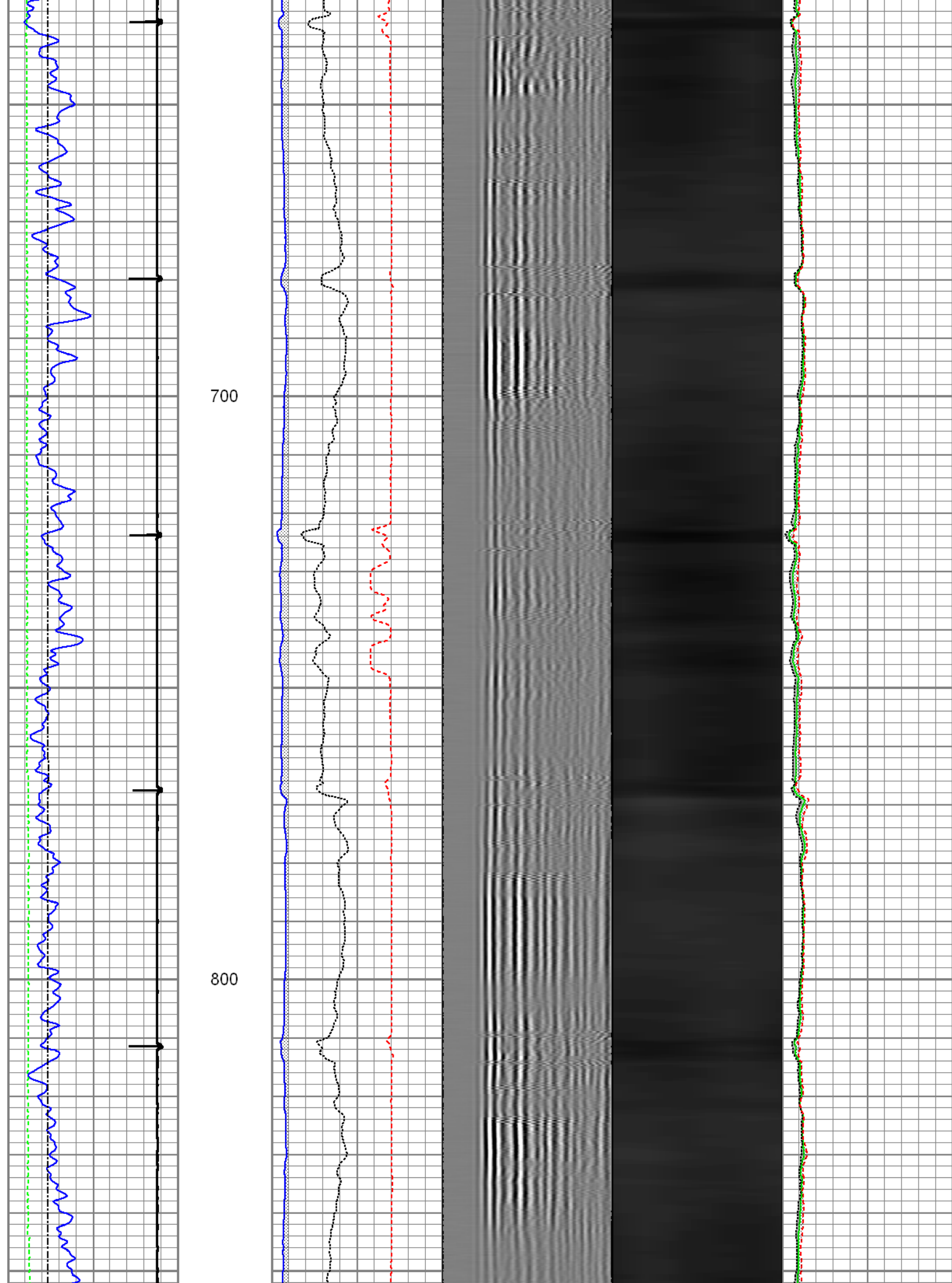
Charted by: Depth in Feet scaled 1:240

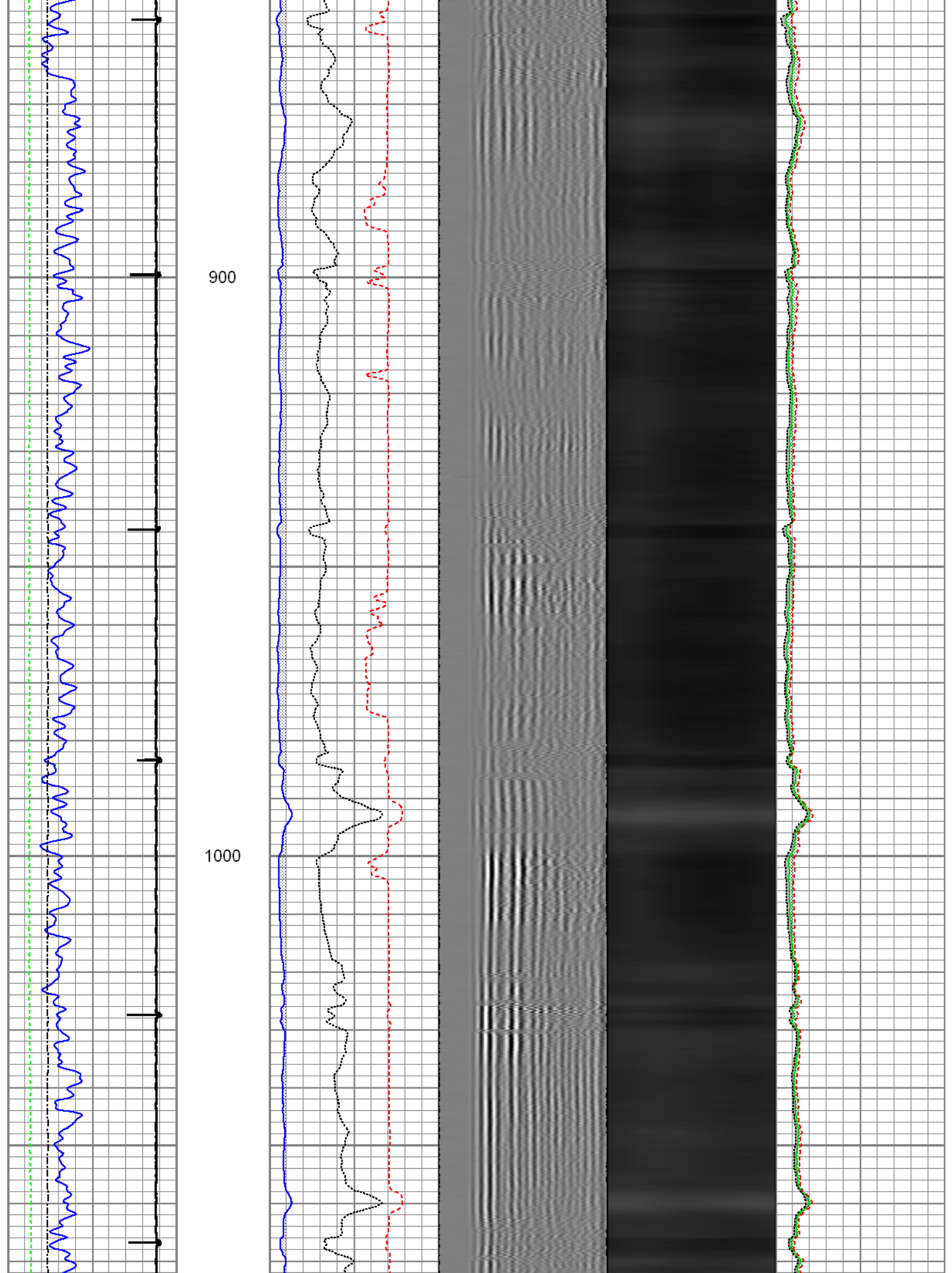
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
Line Speed	0 (mV) 20			0 100
-100 (ft/min) 100	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000				

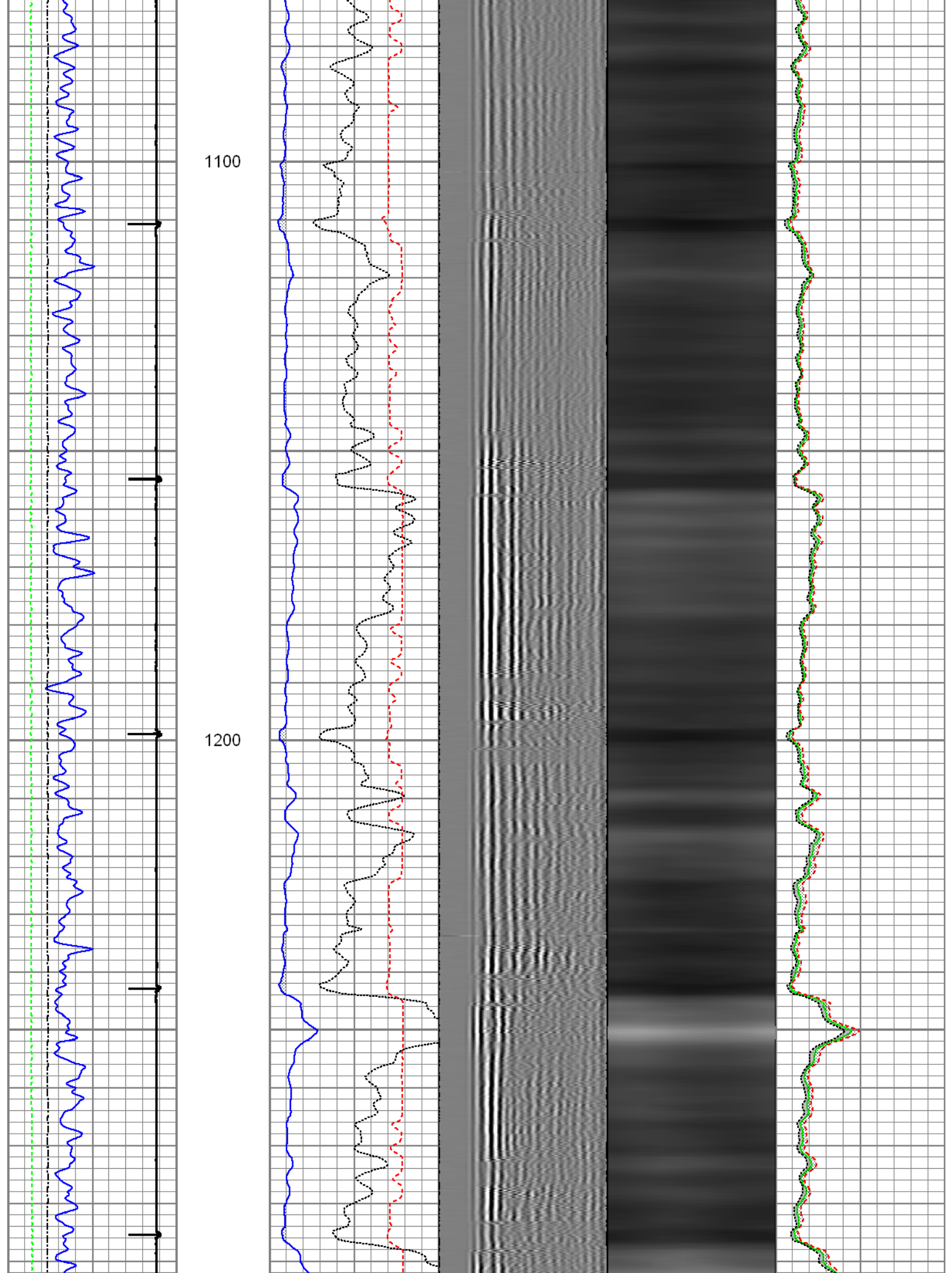


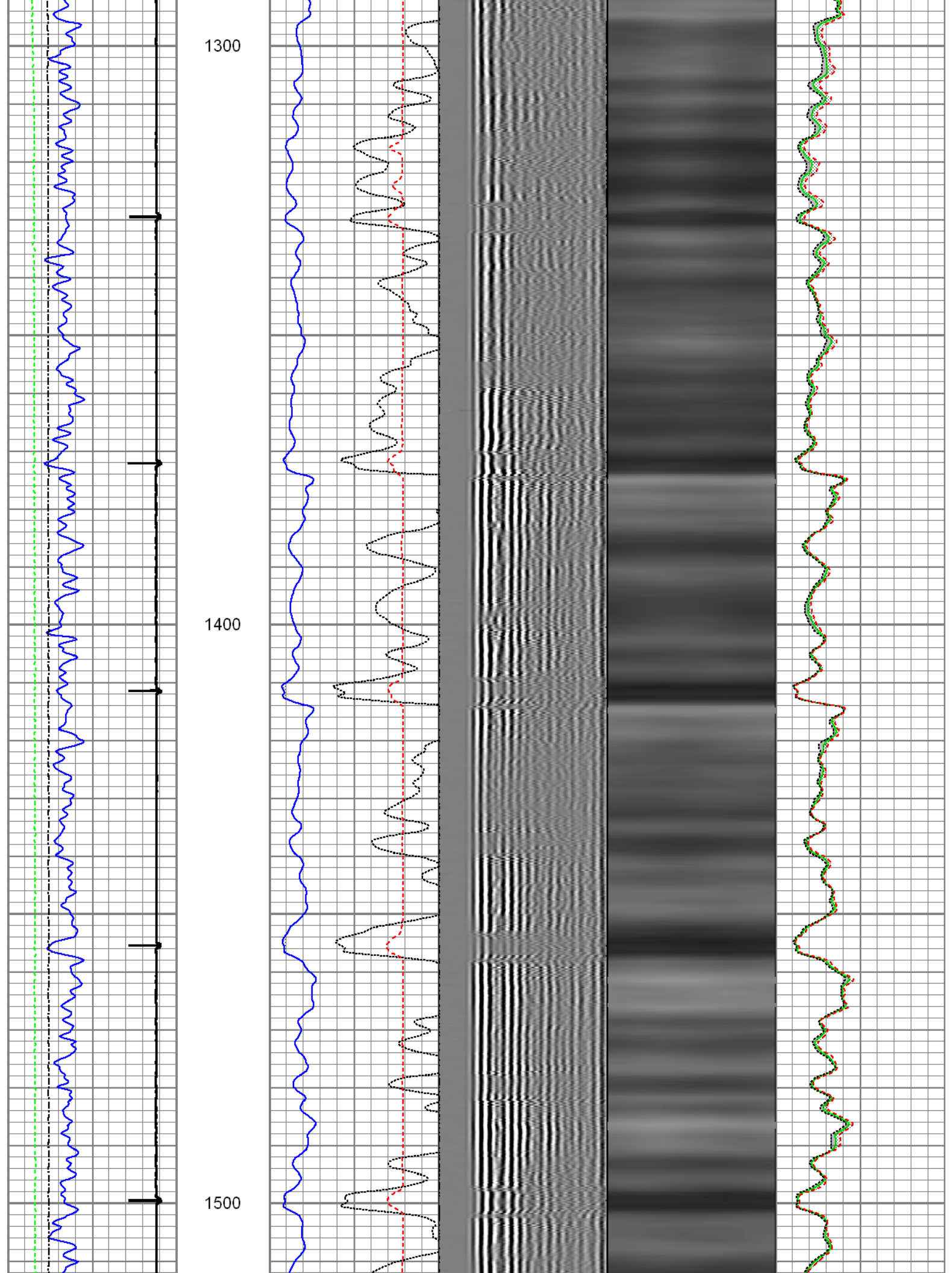


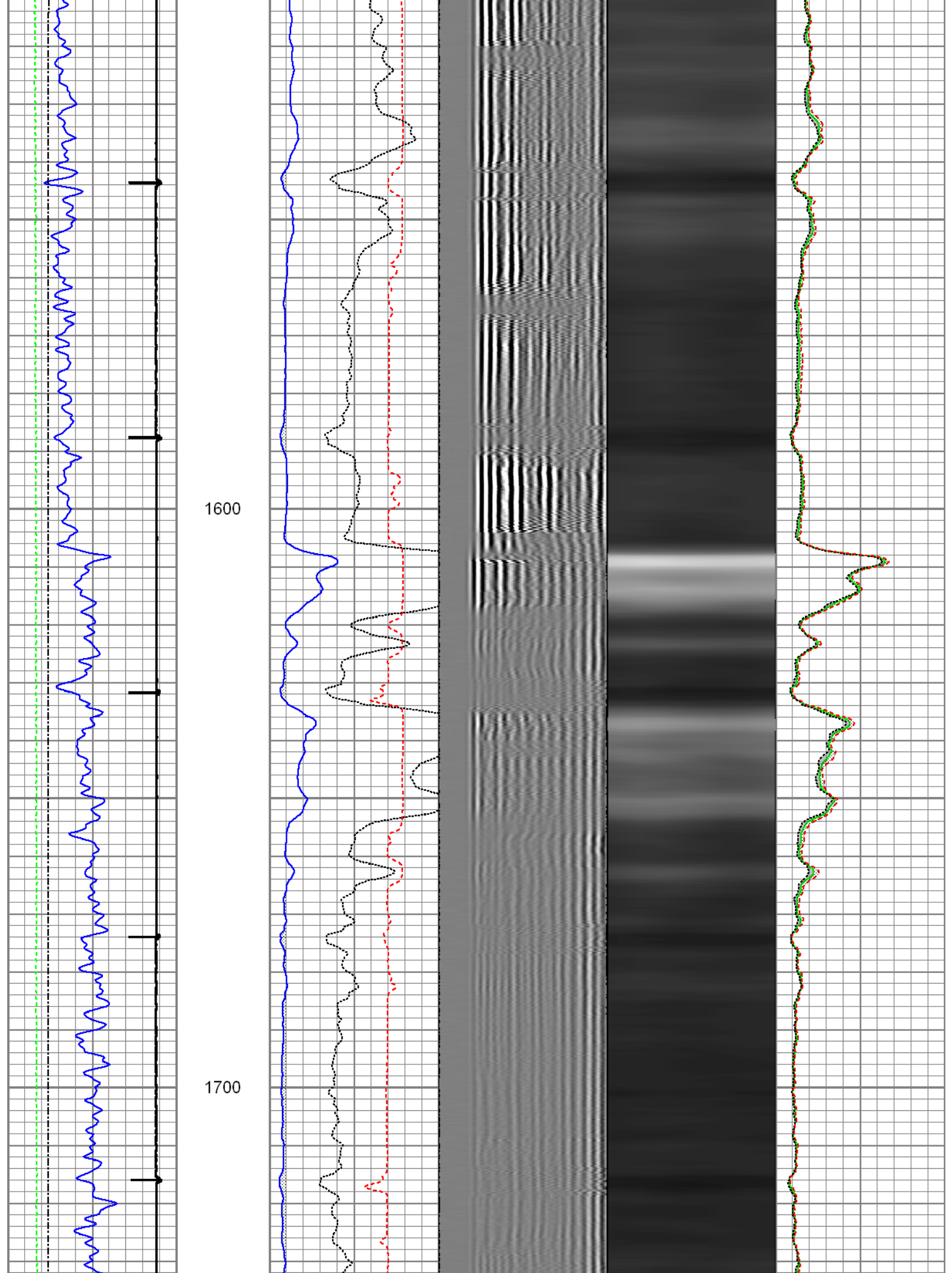


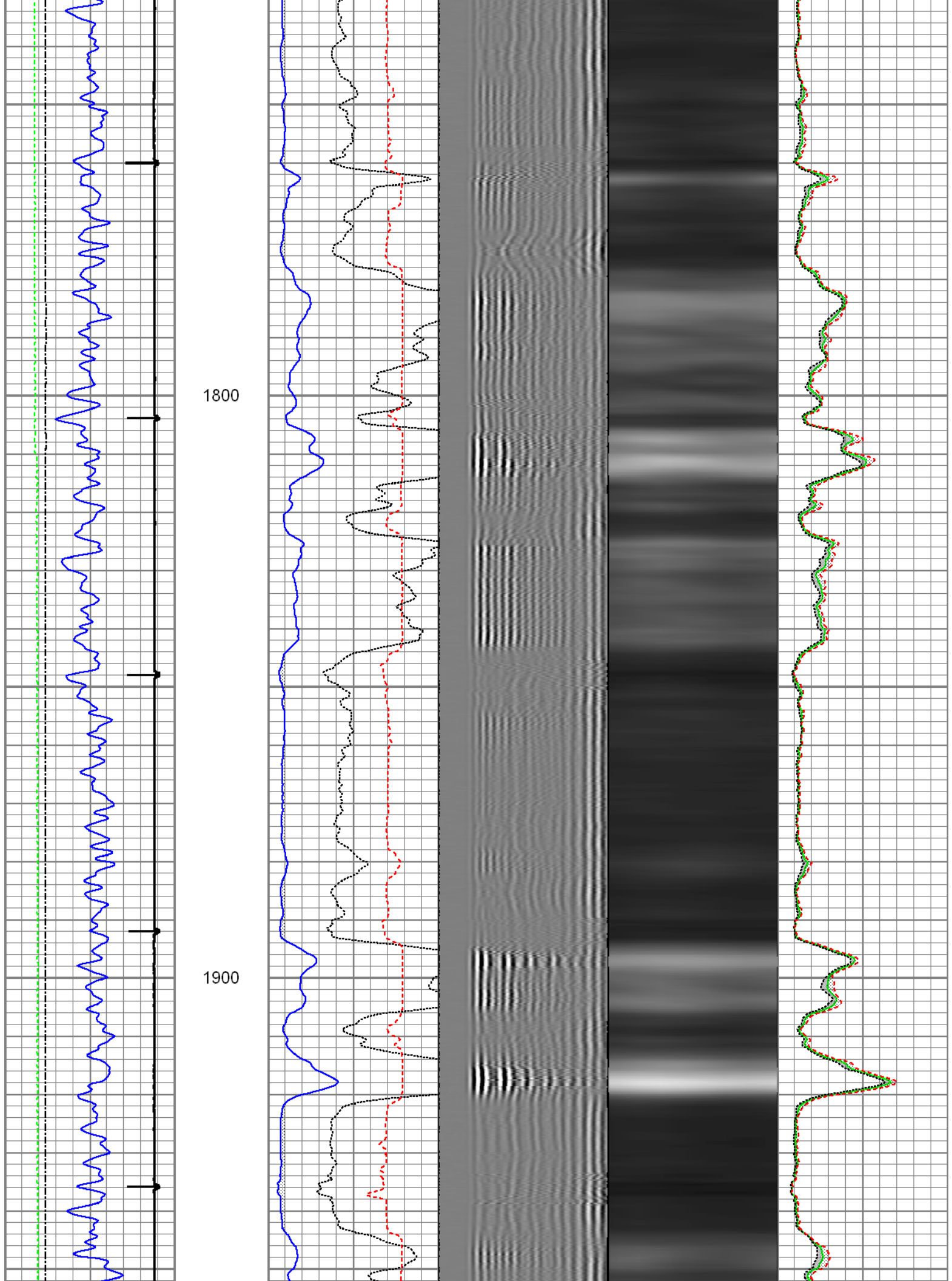


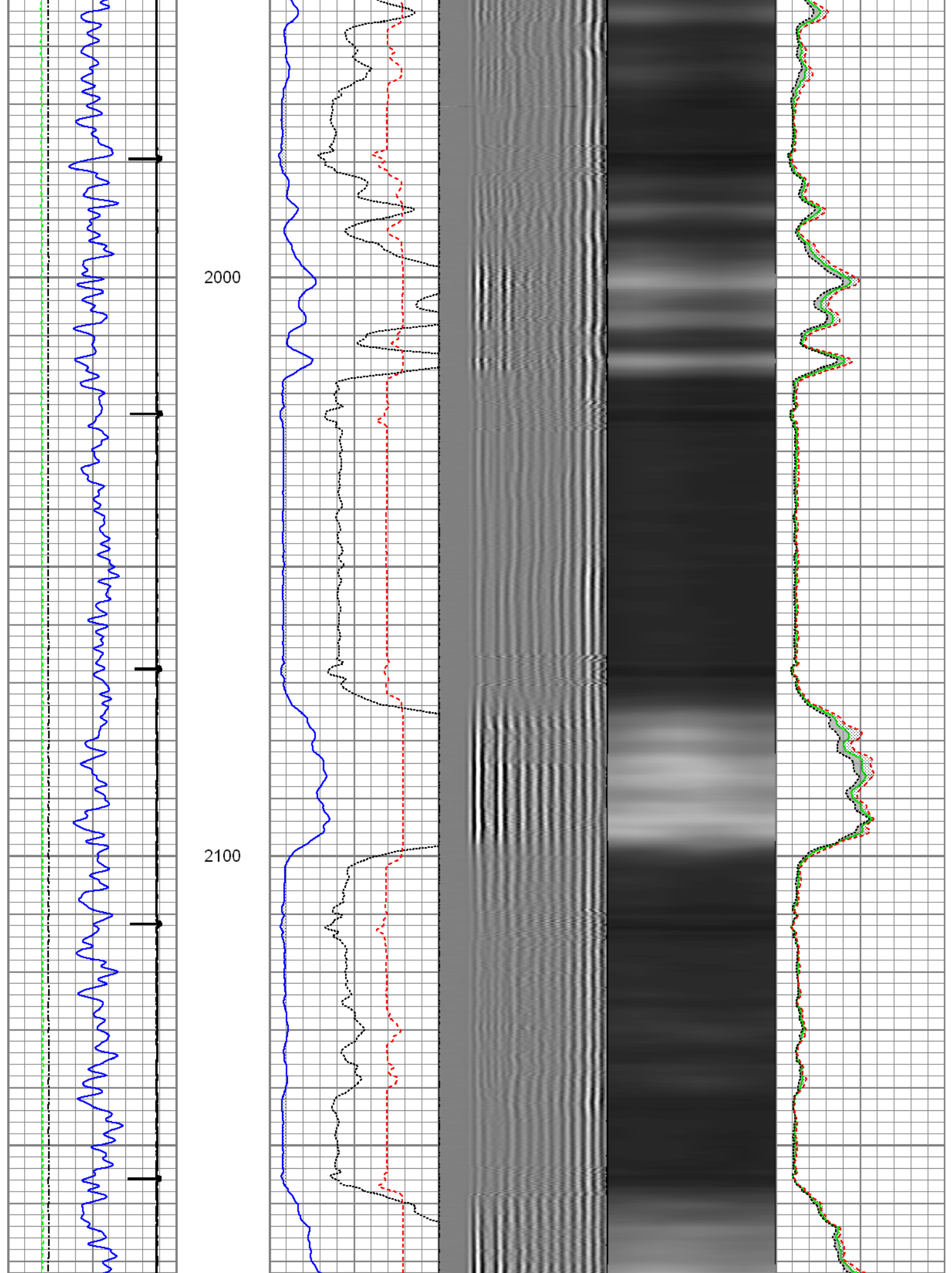






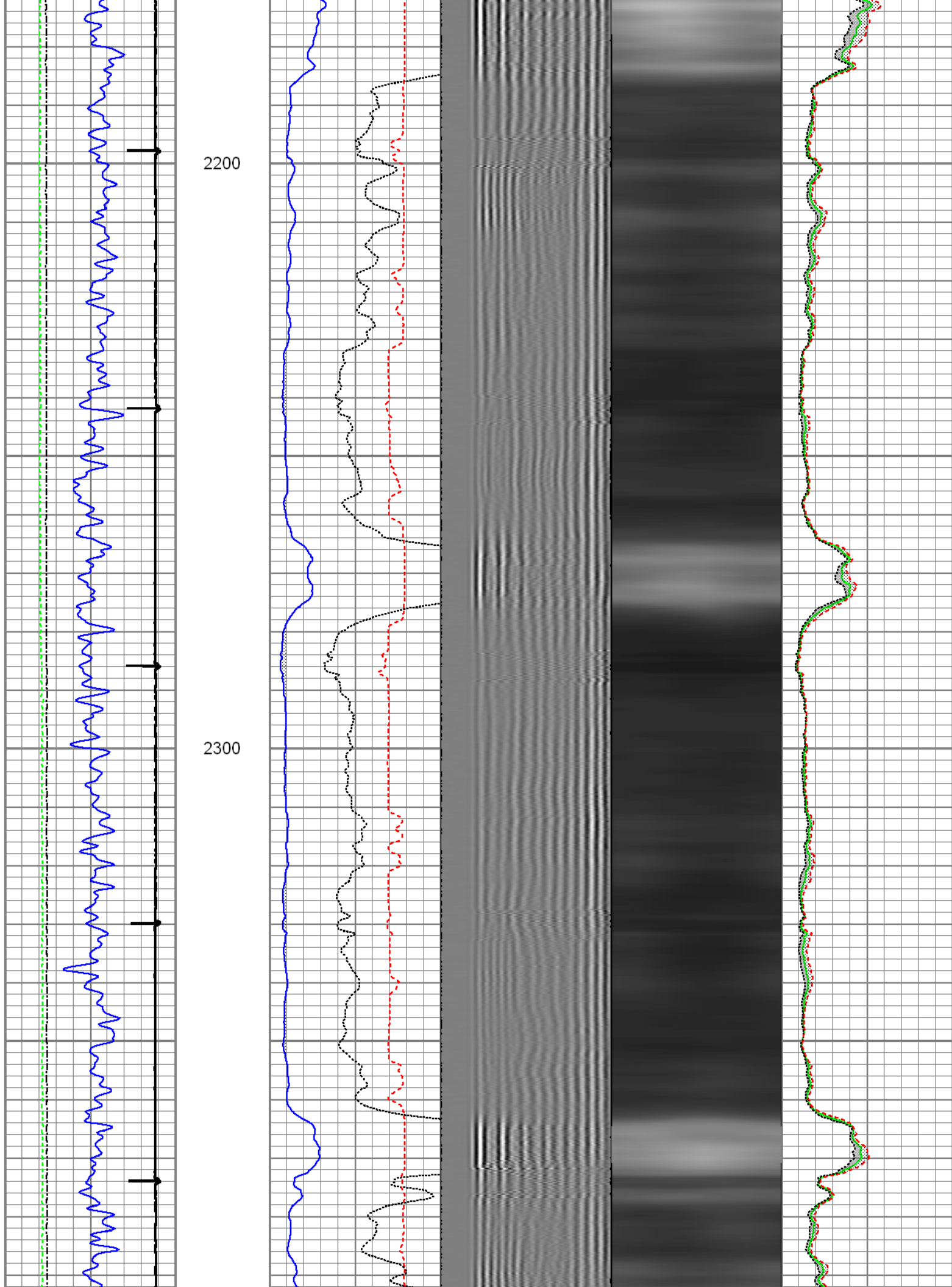


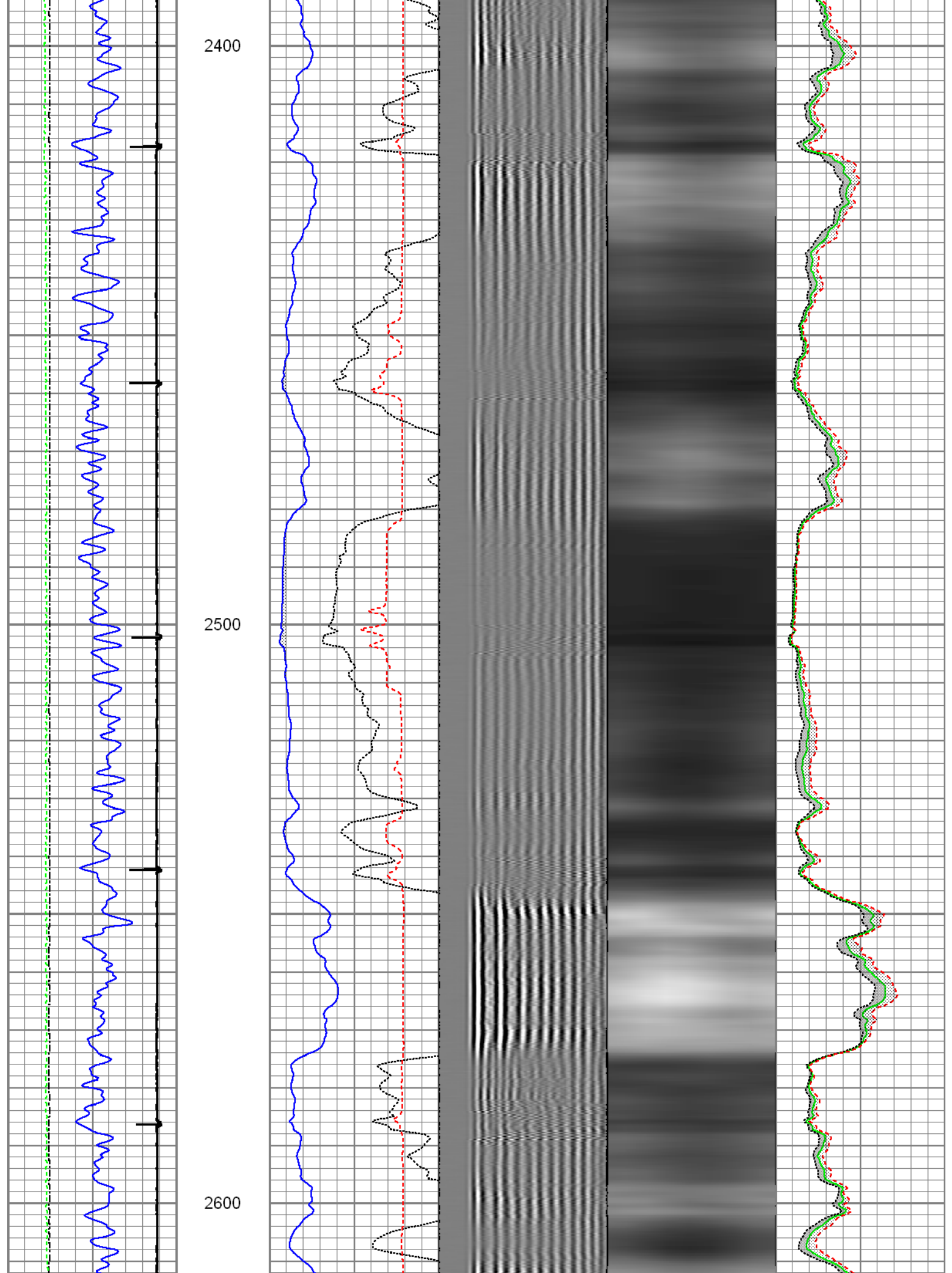


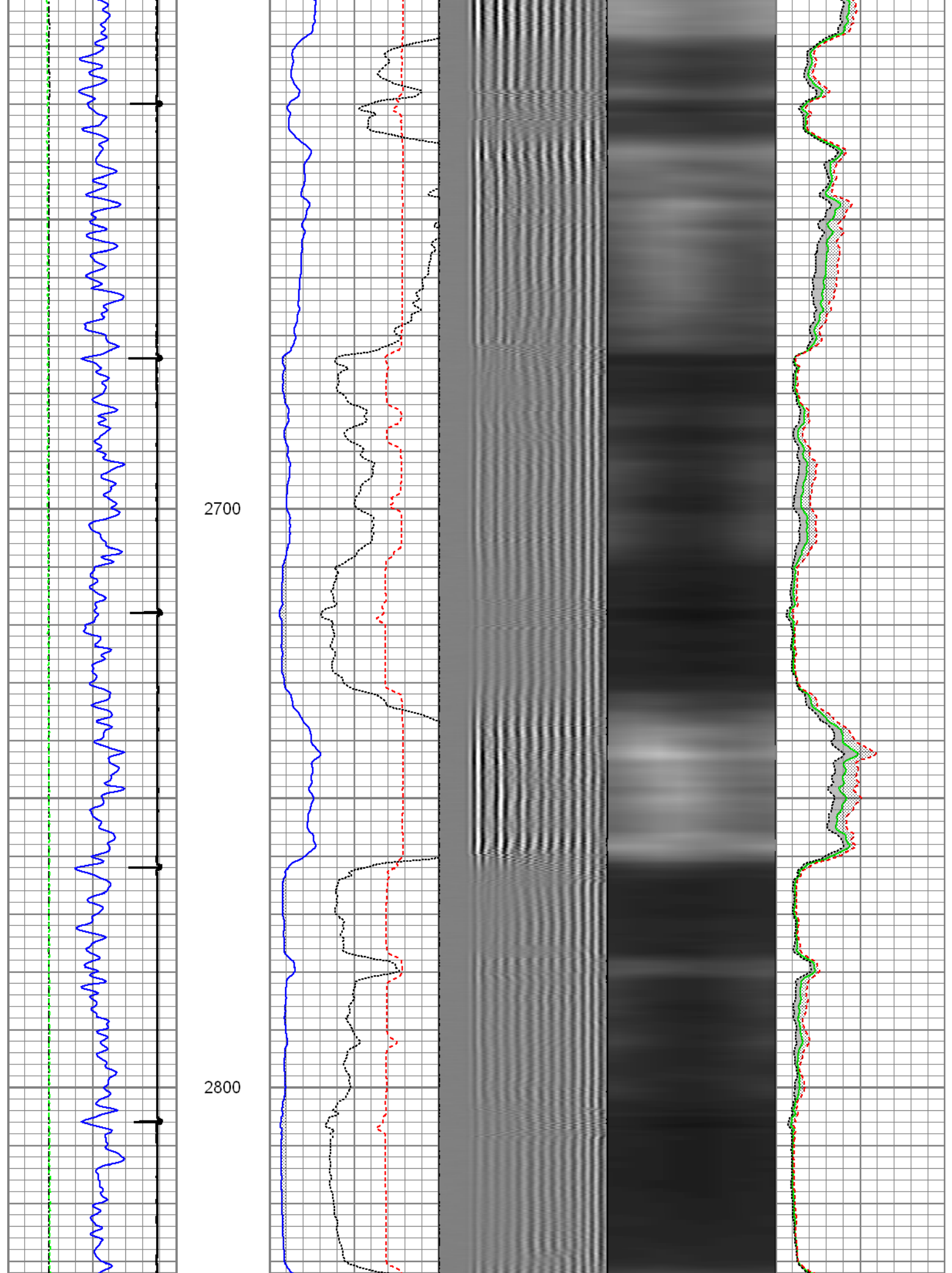


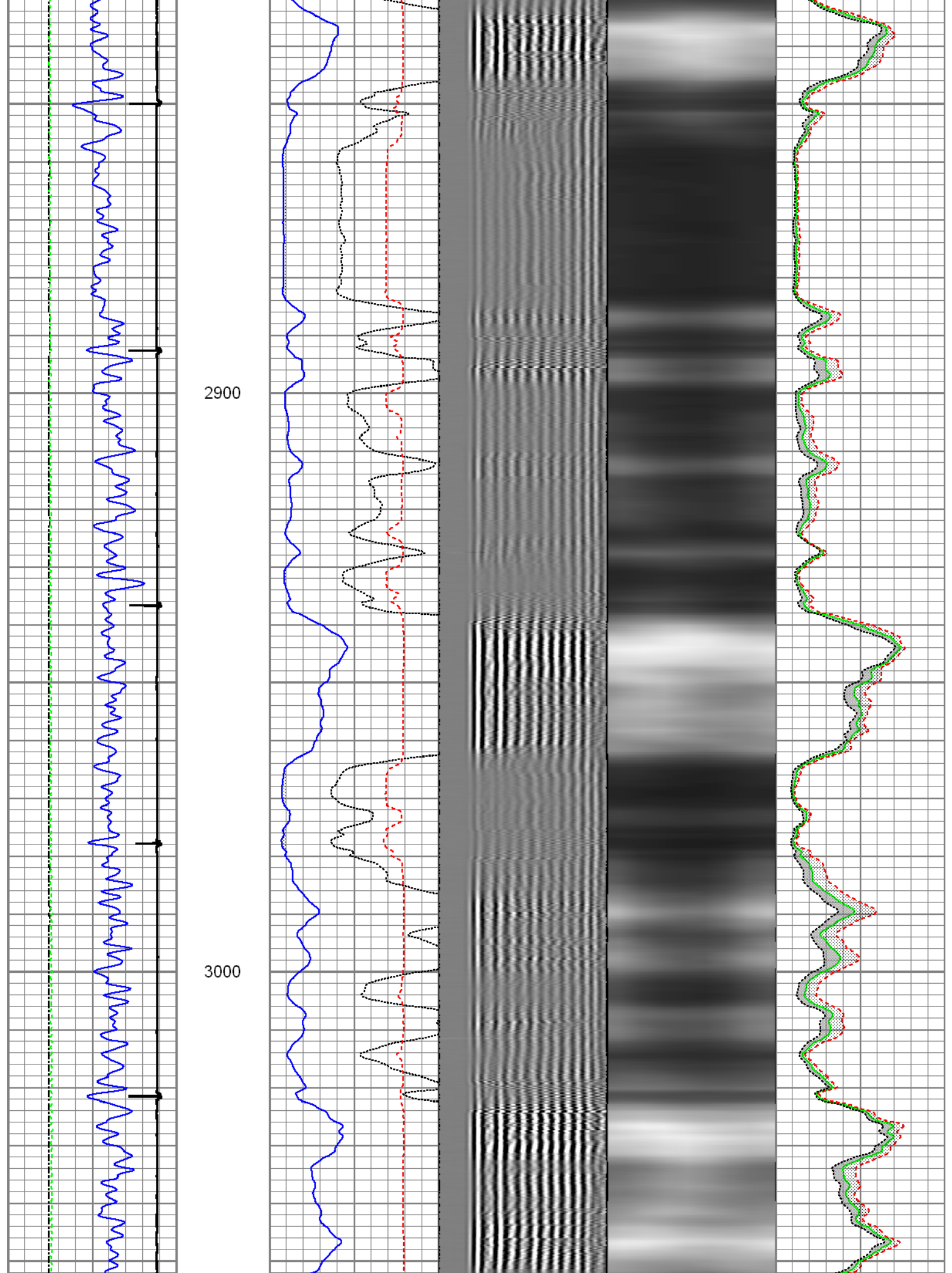
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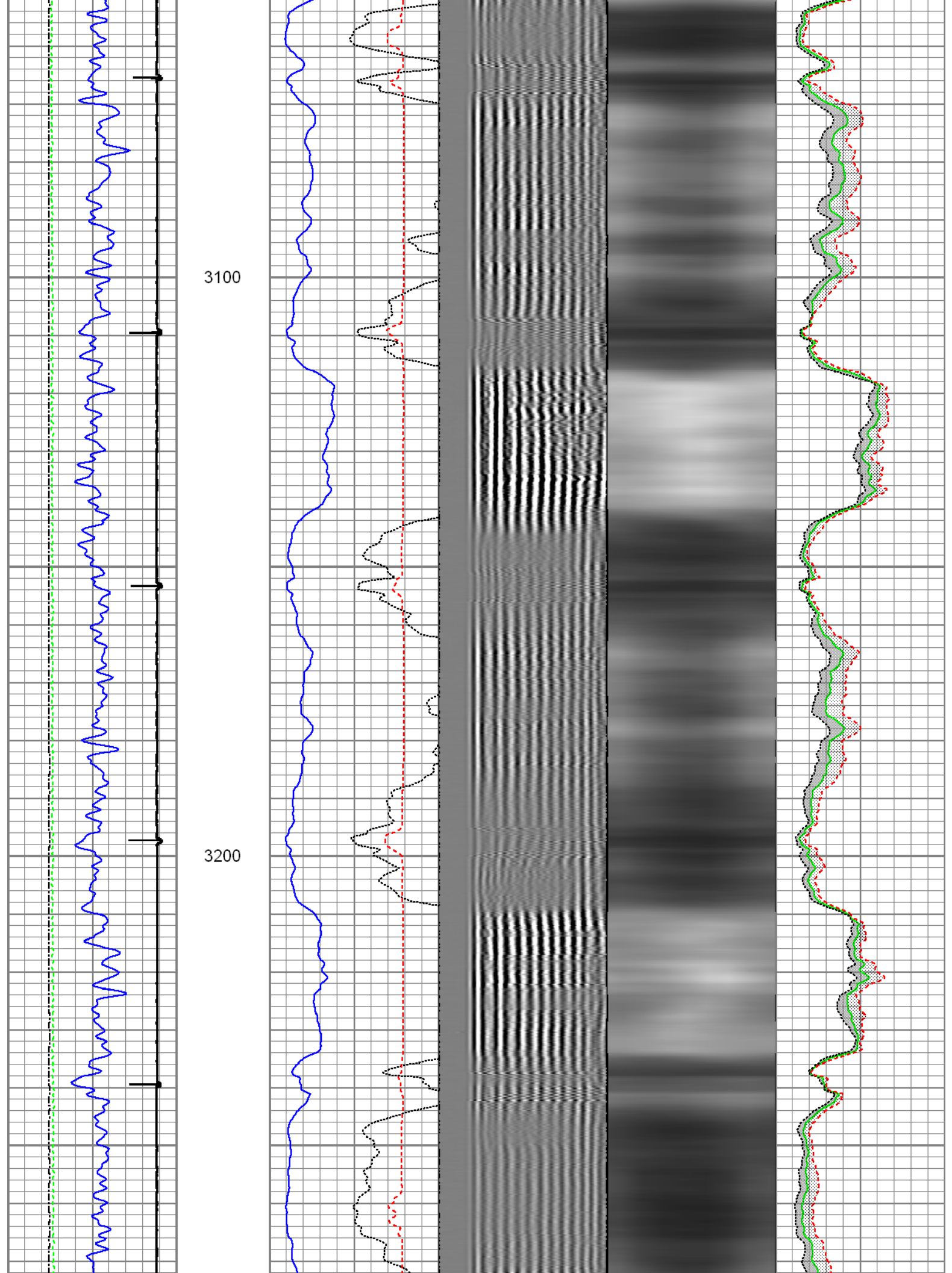
2300





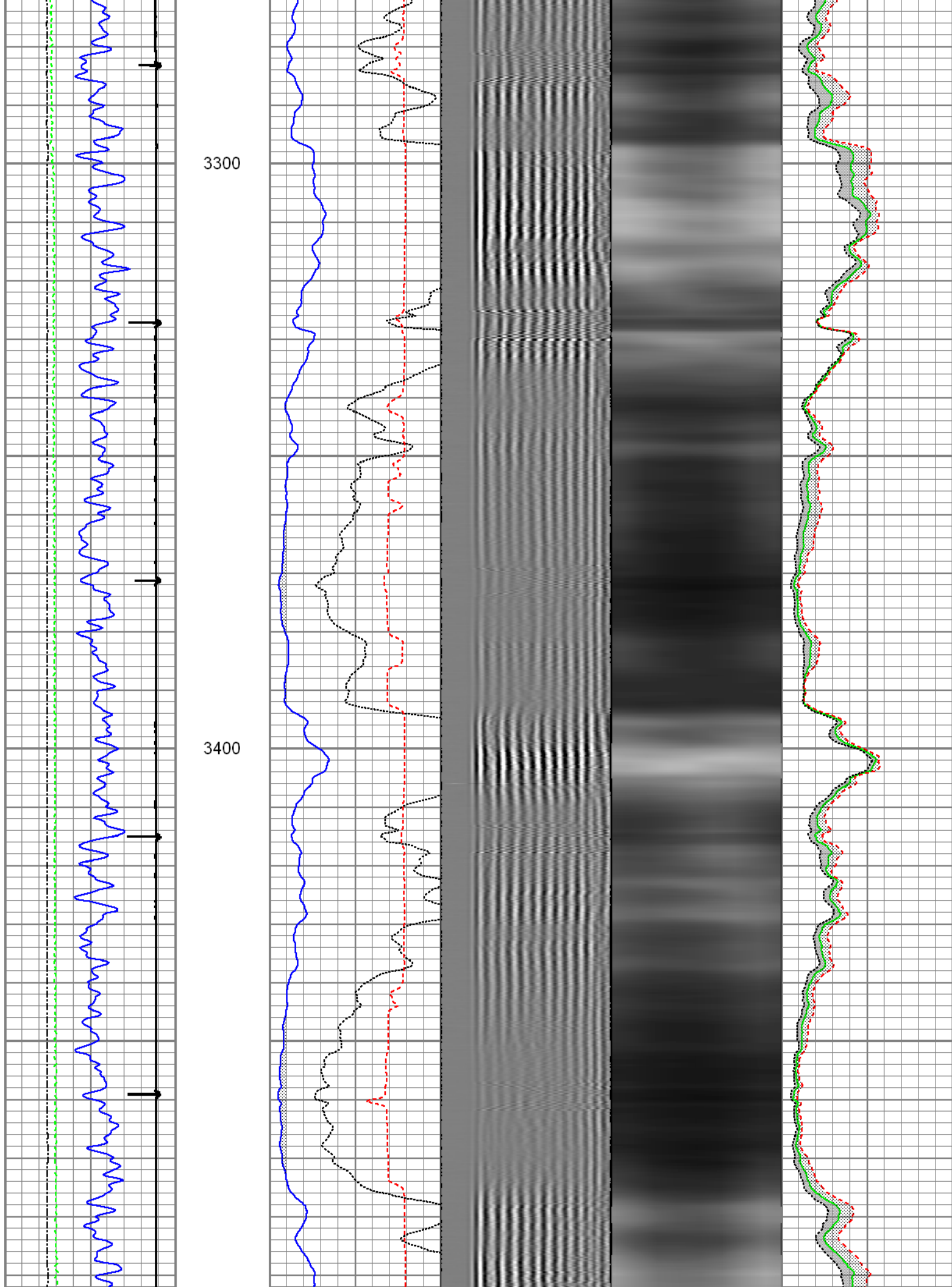


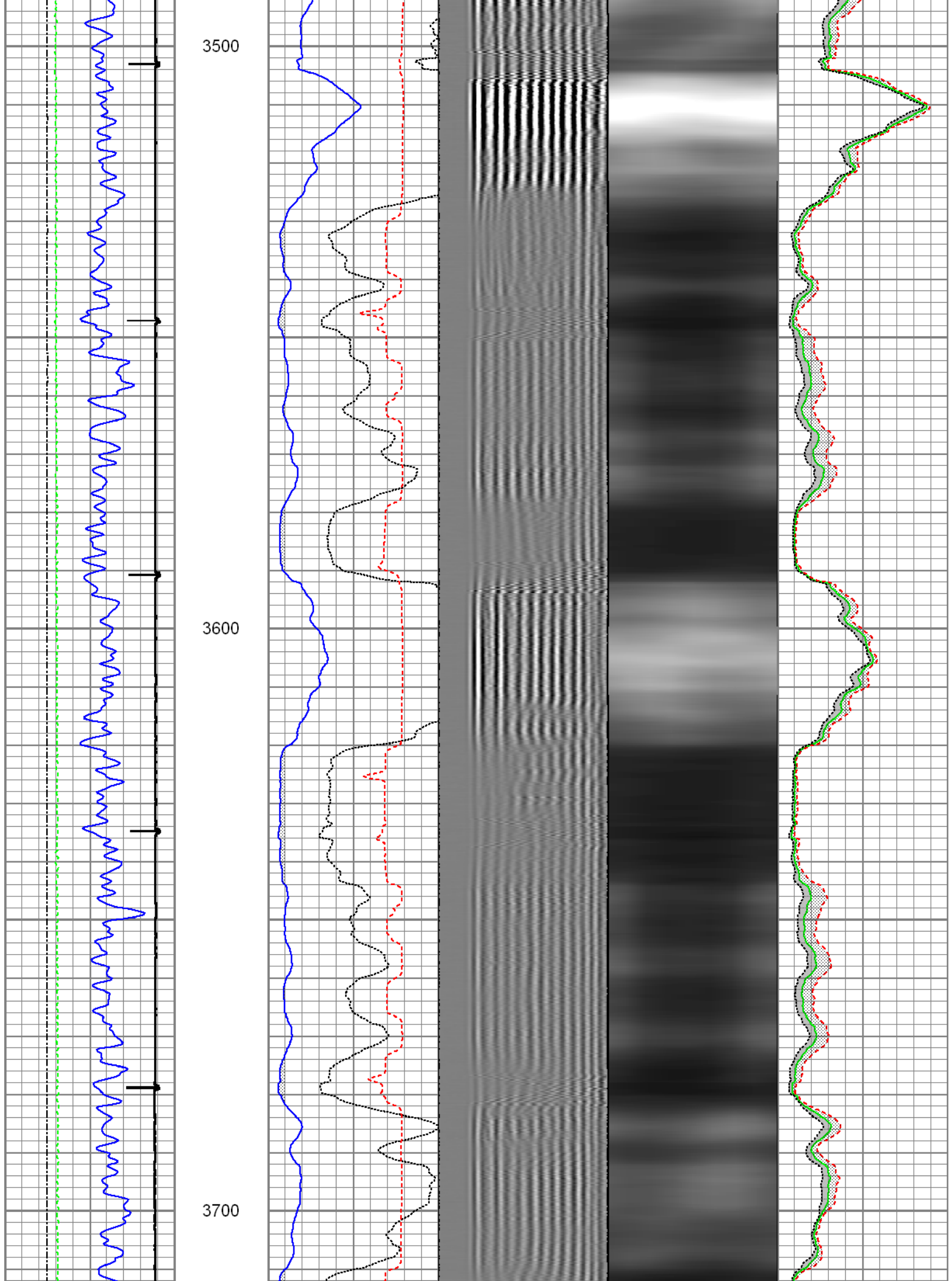


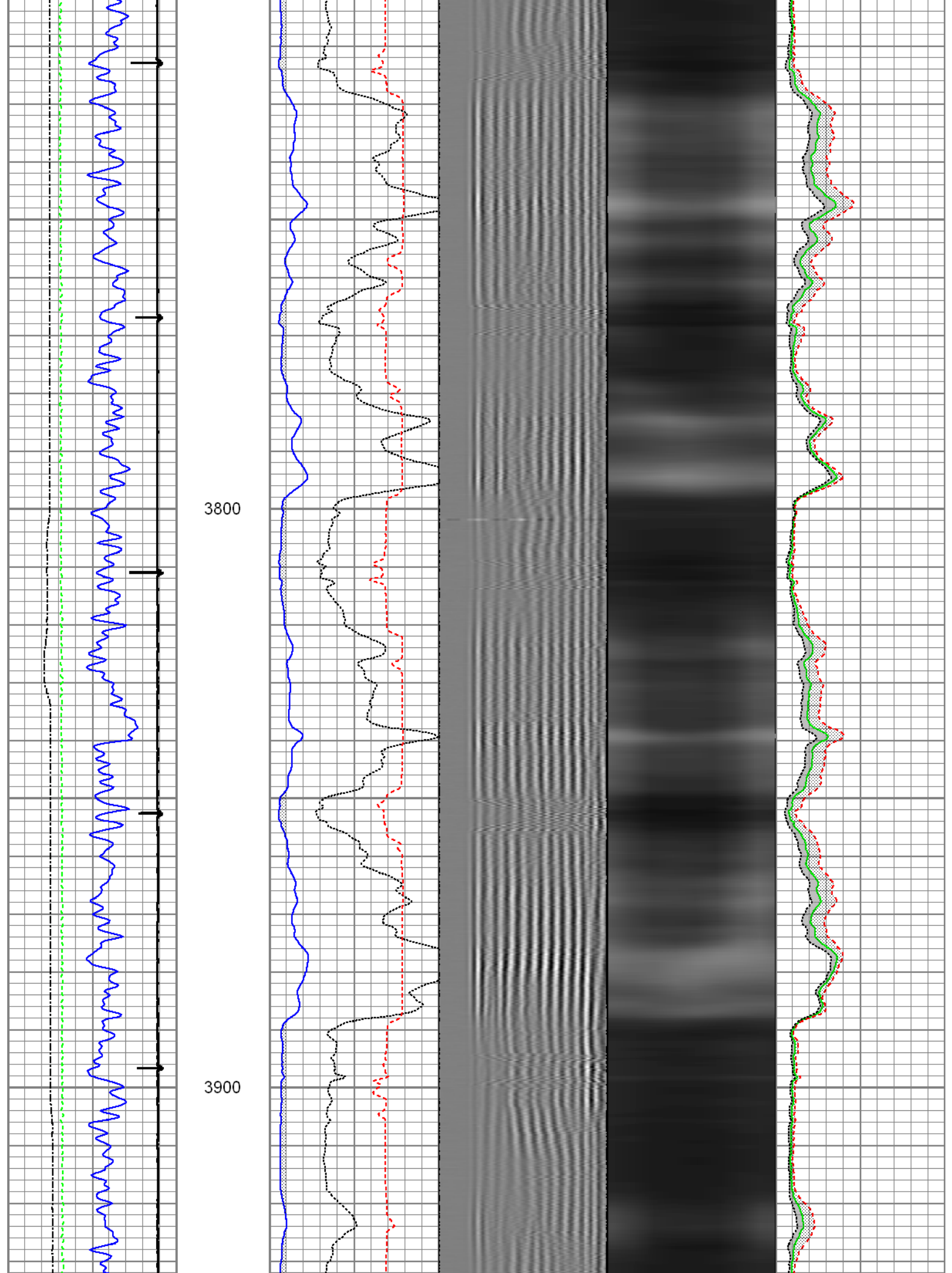


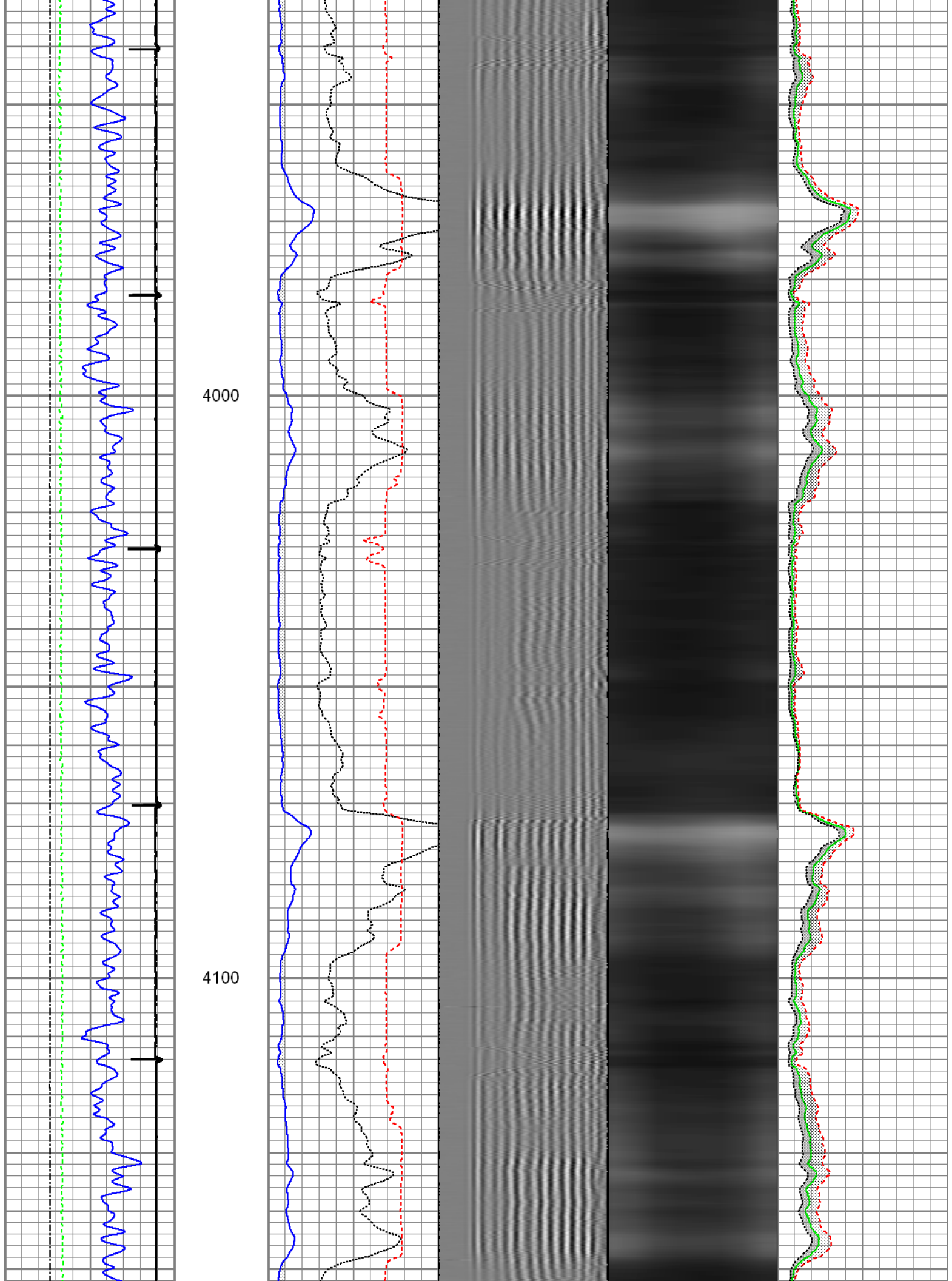
3300

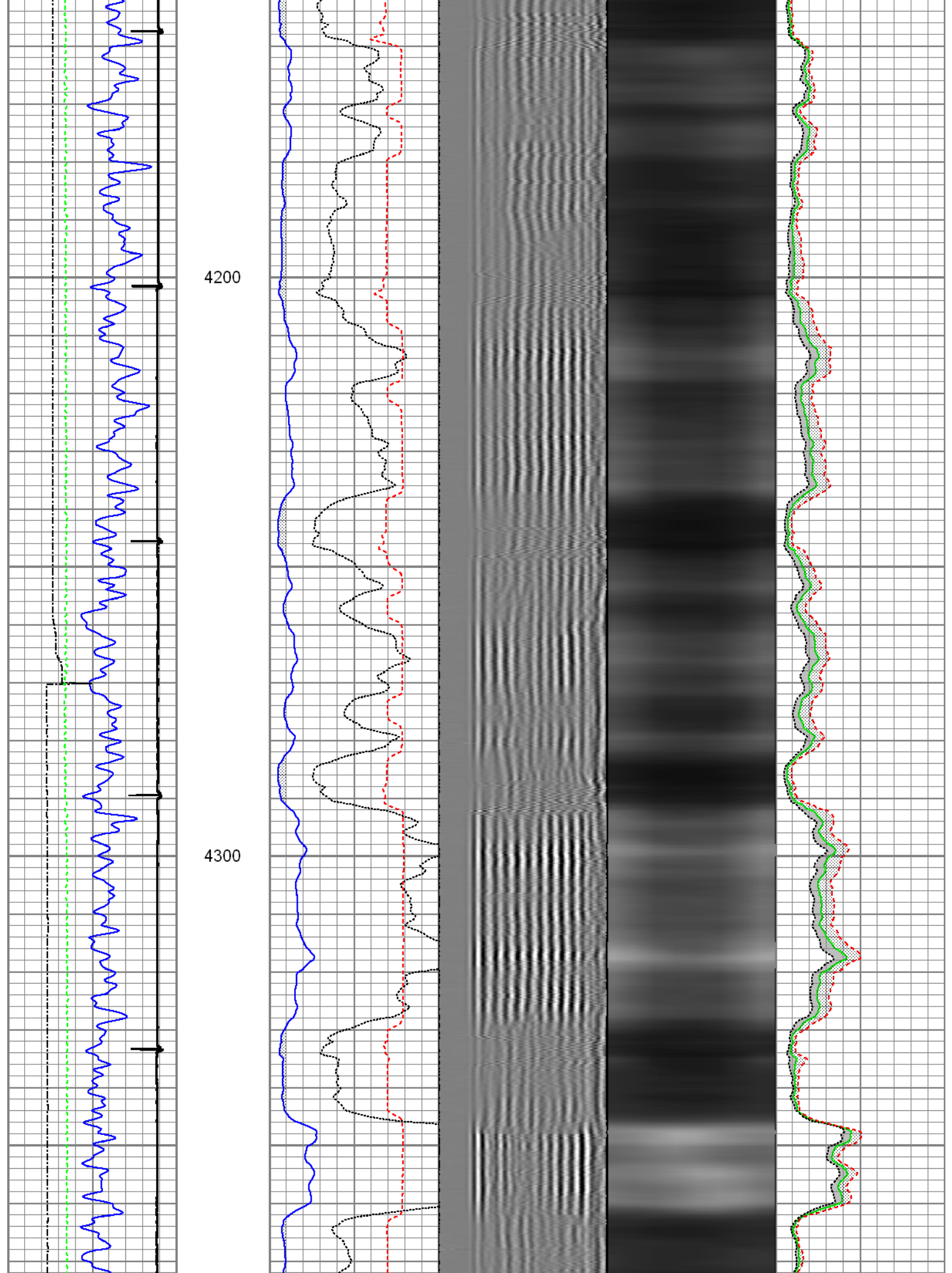
3400

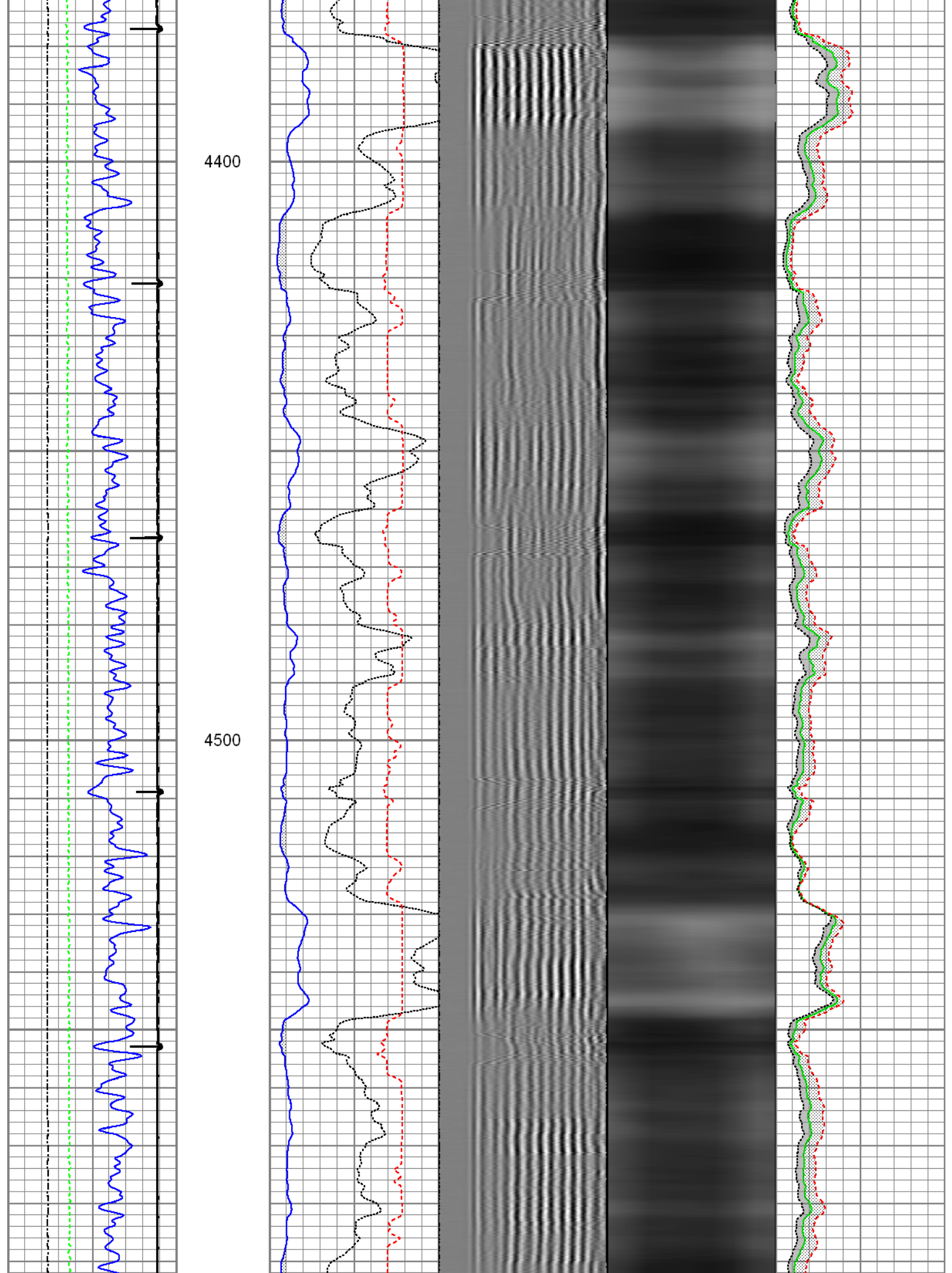


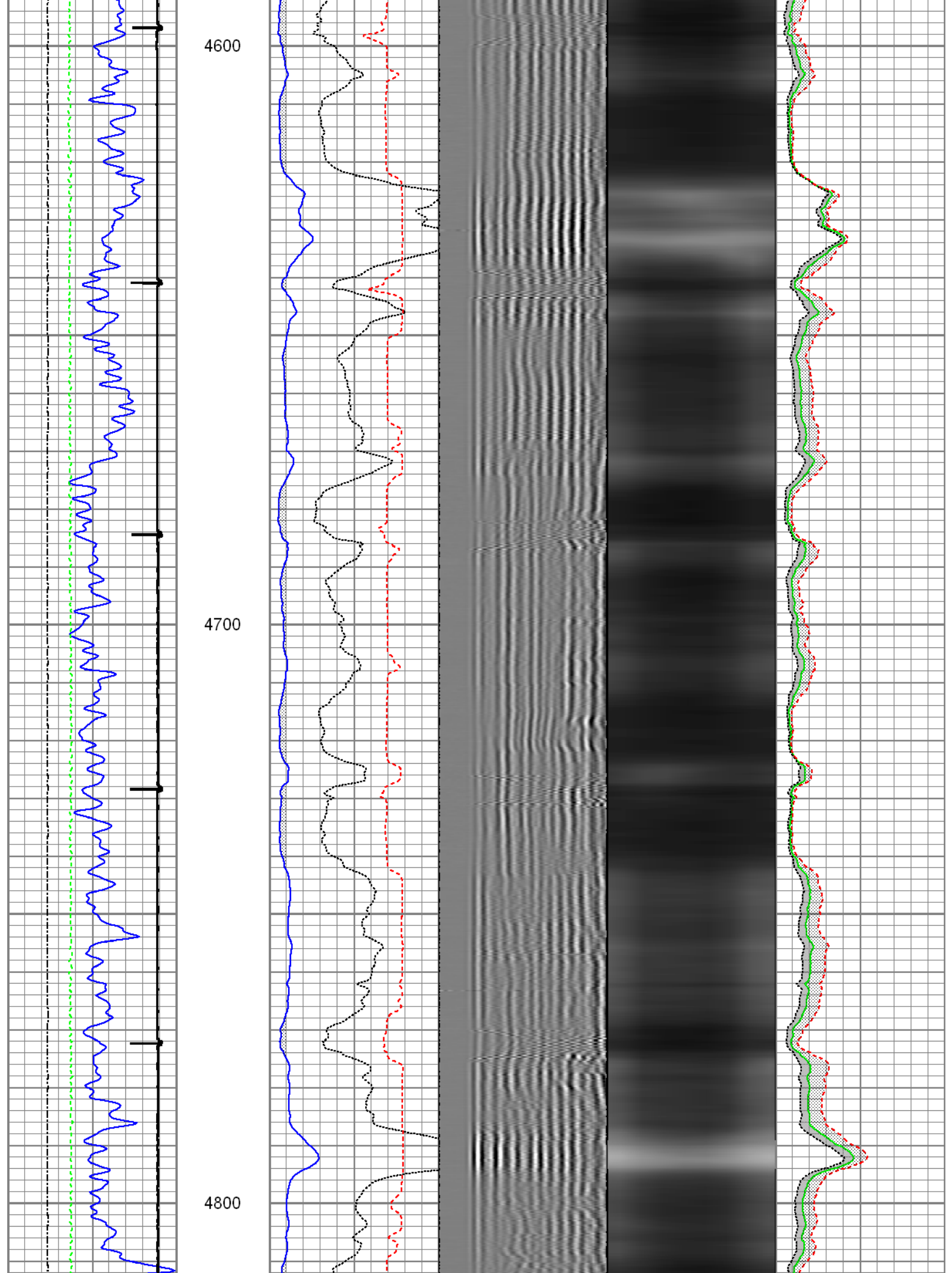


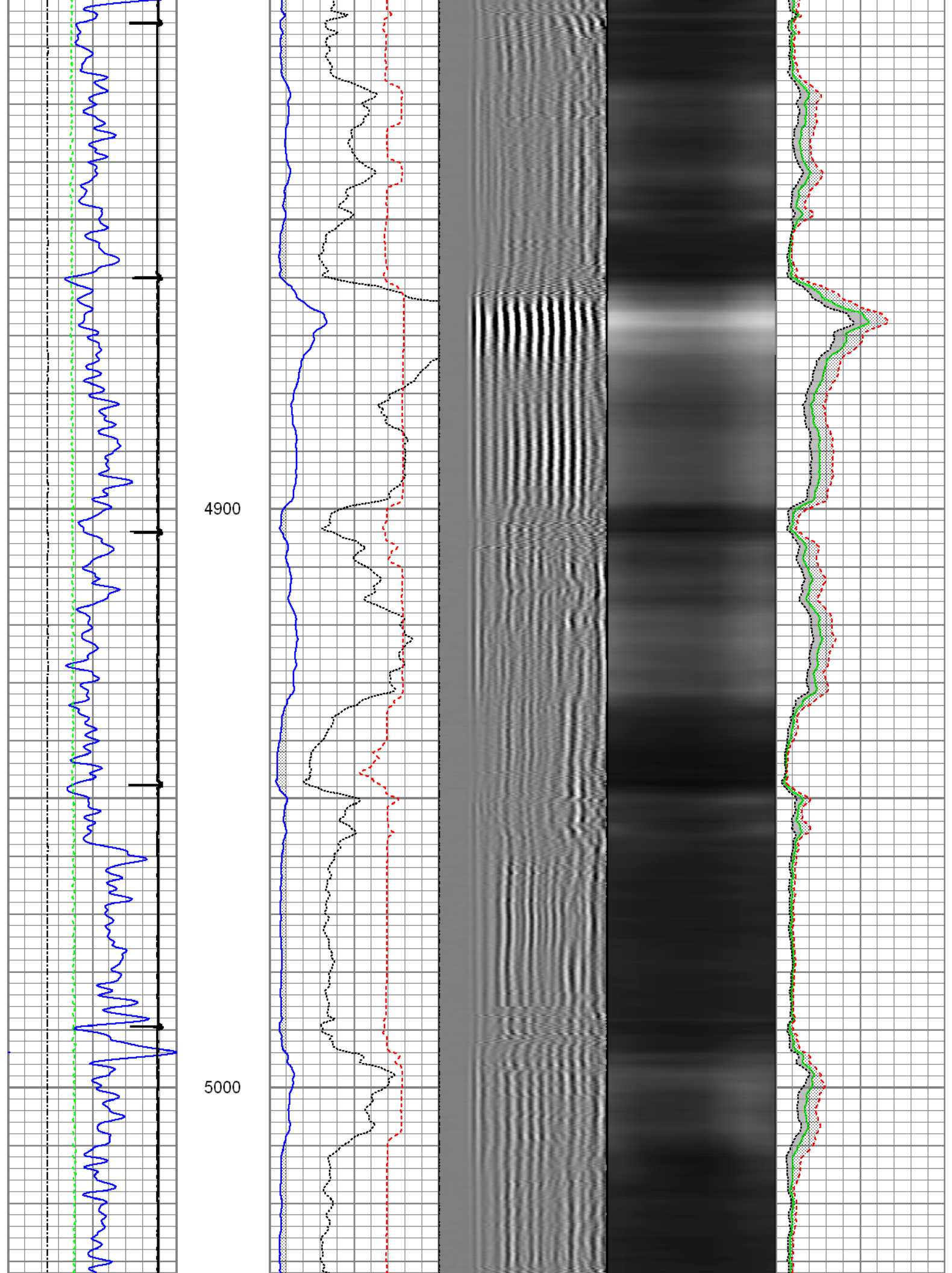


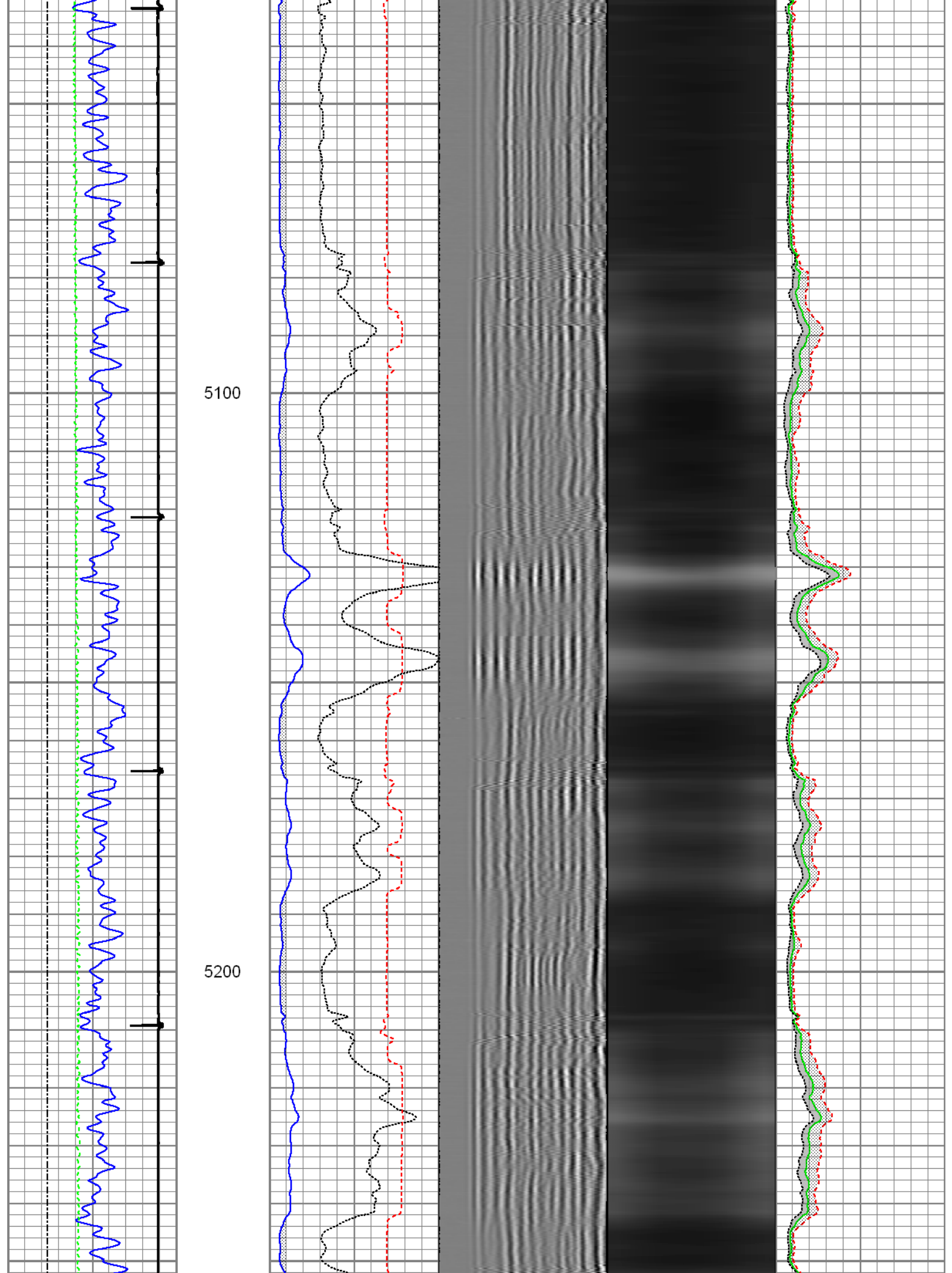


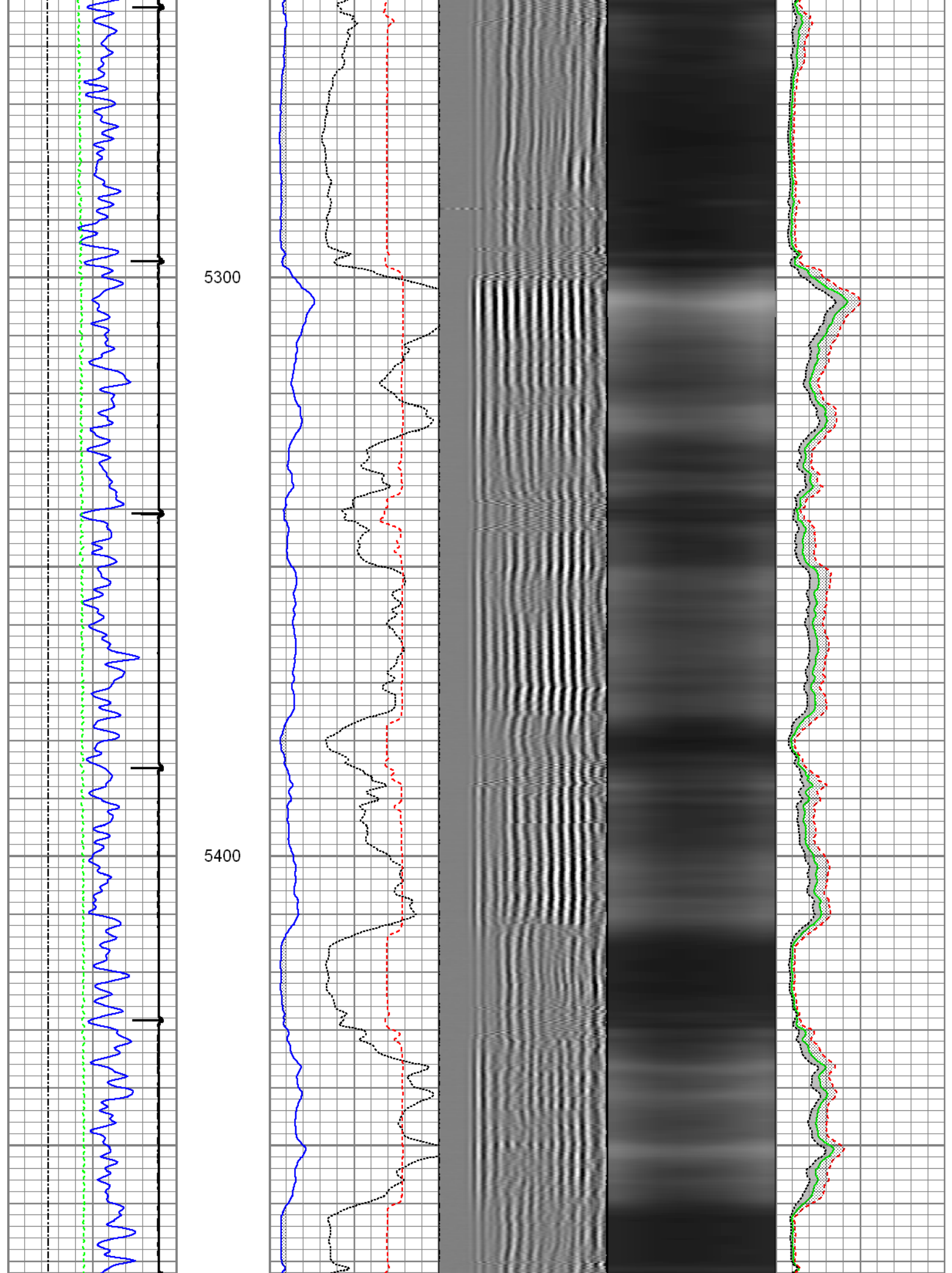


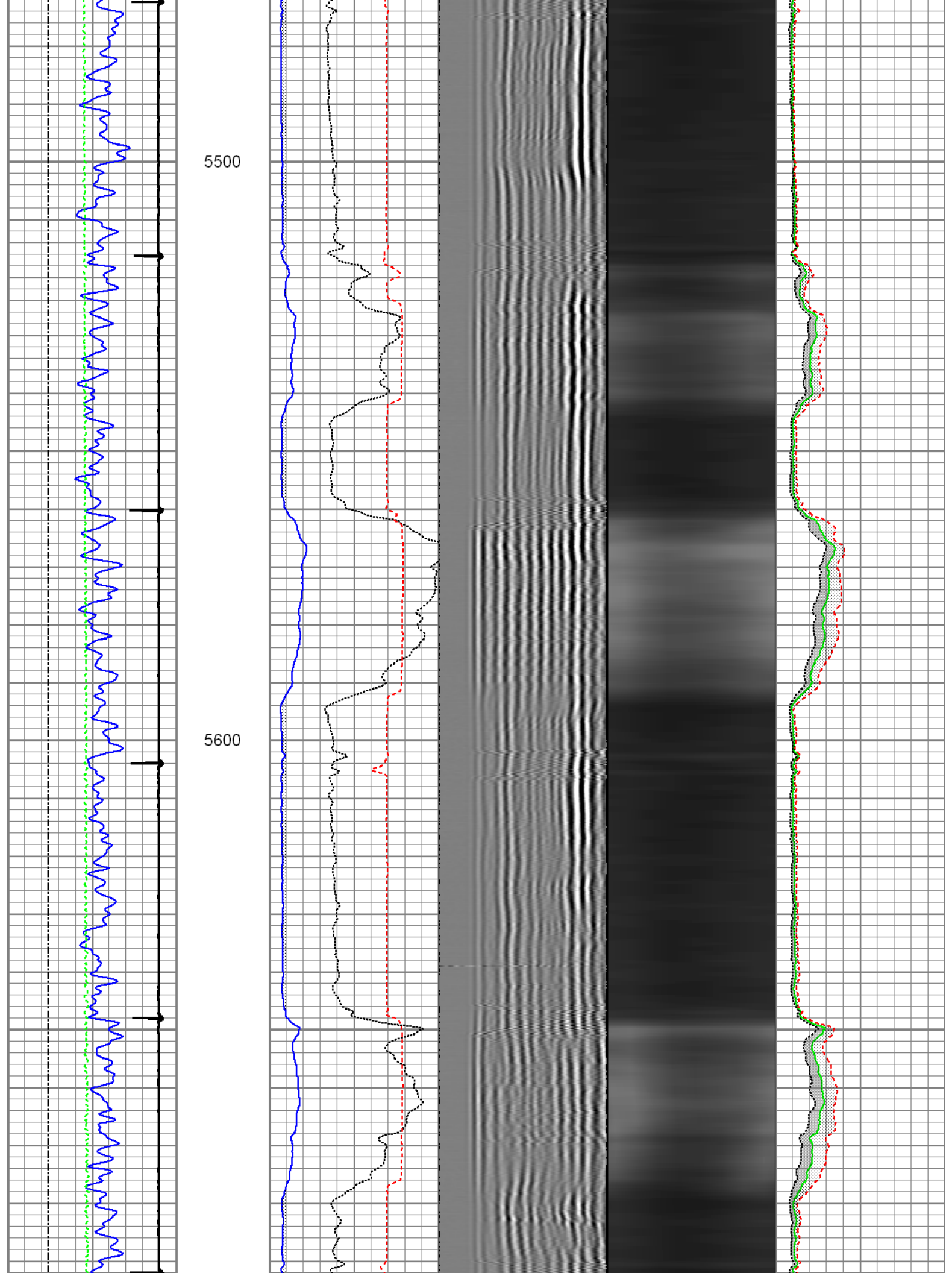








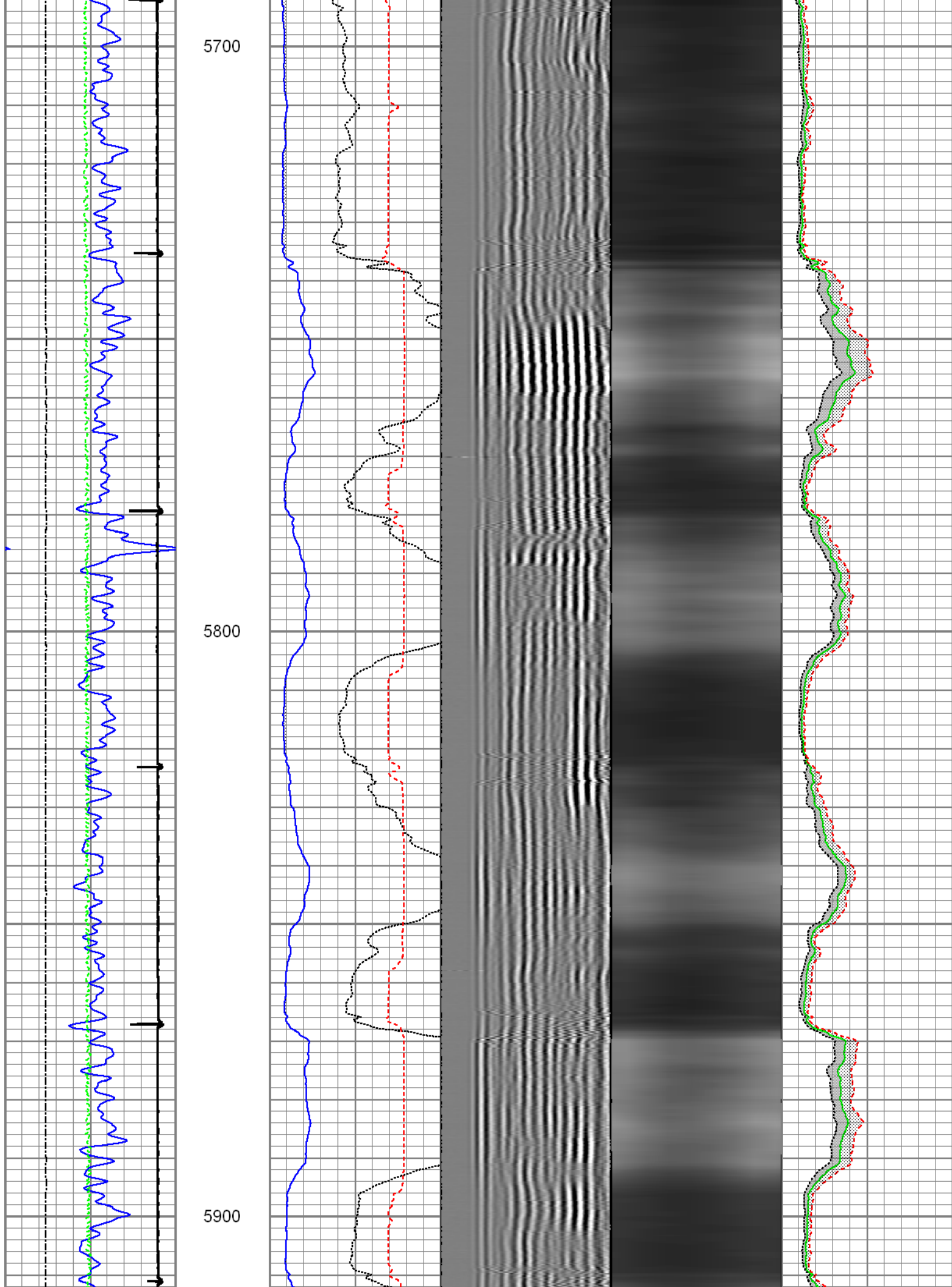


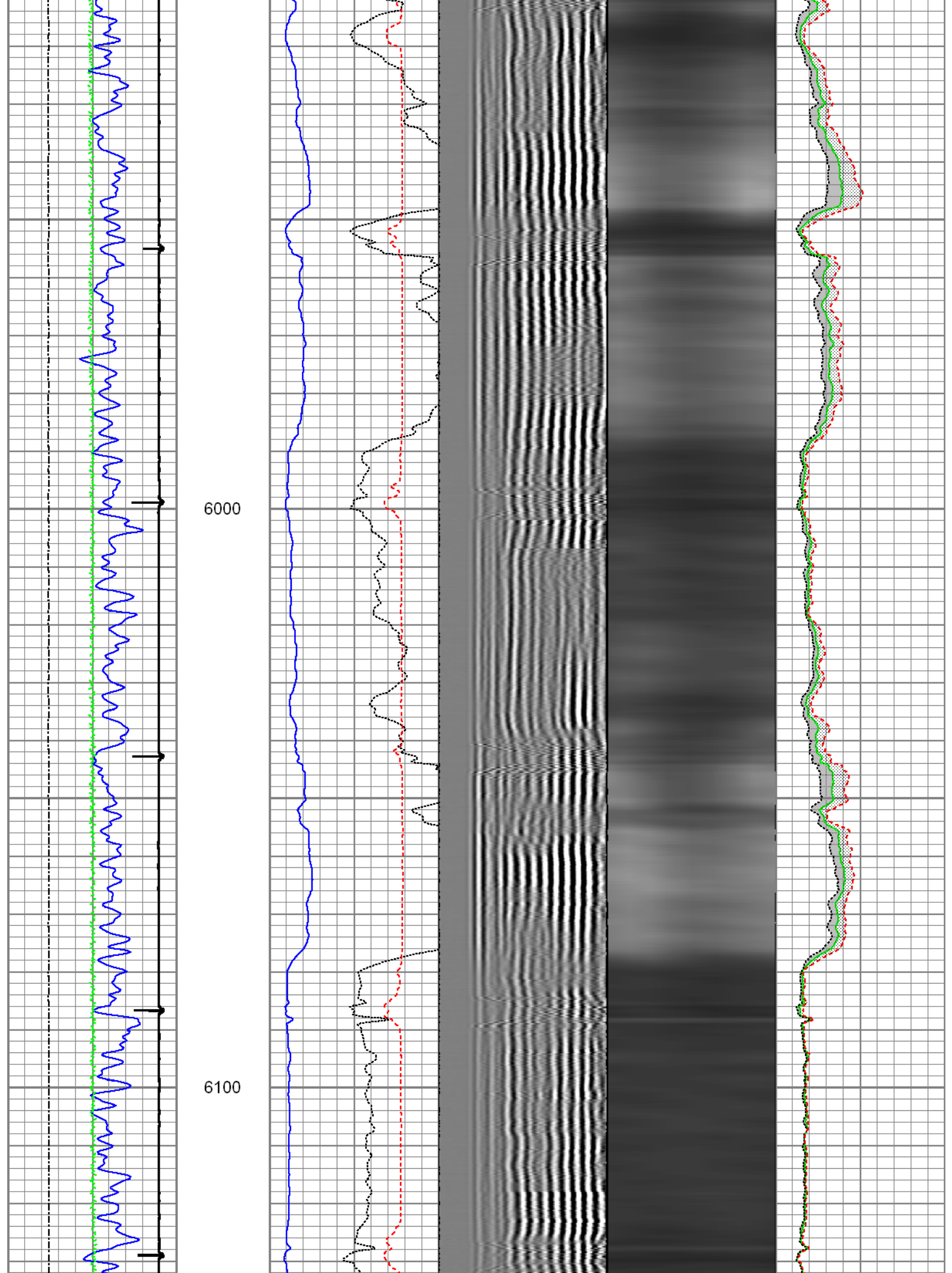


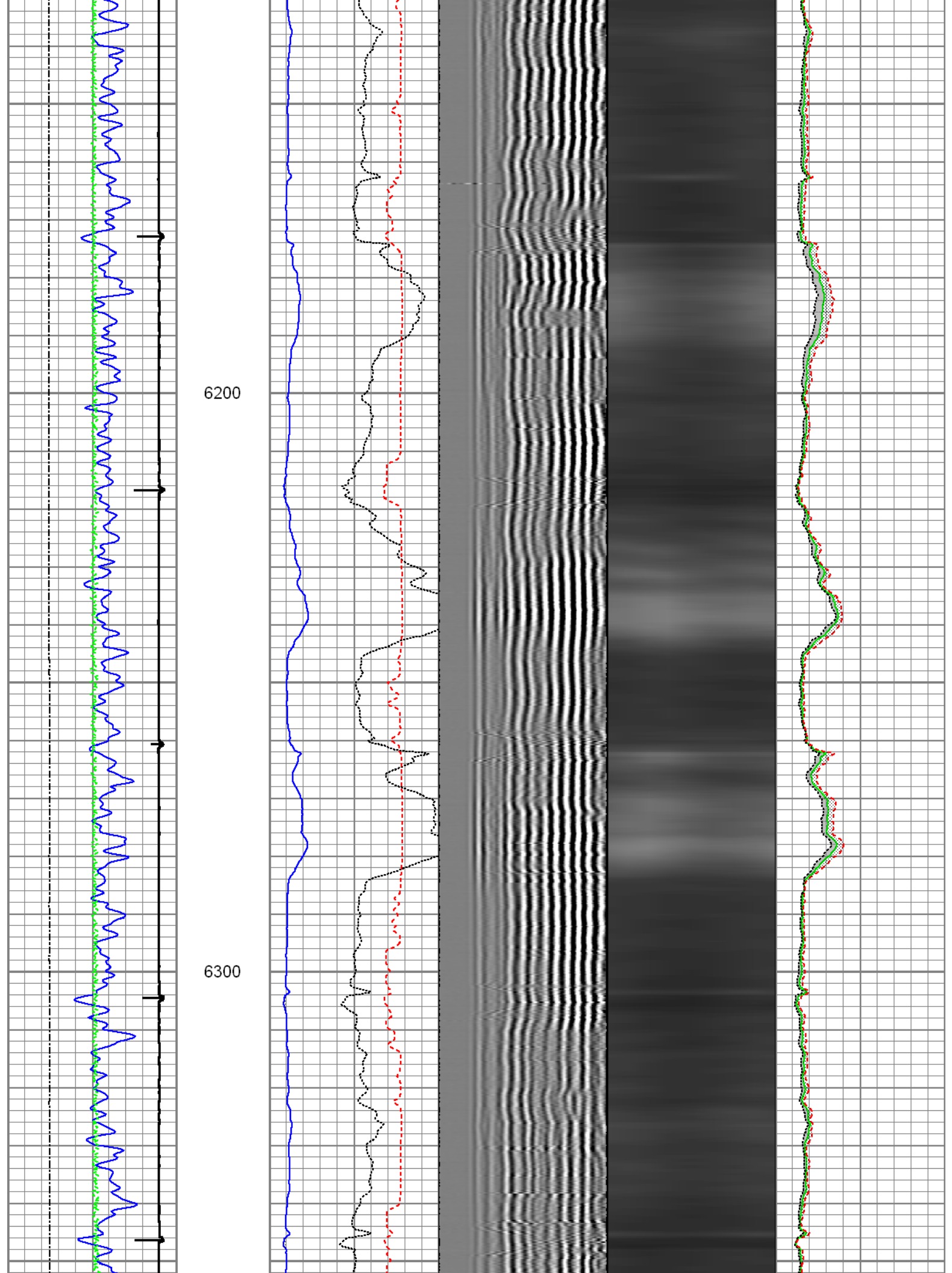
5700

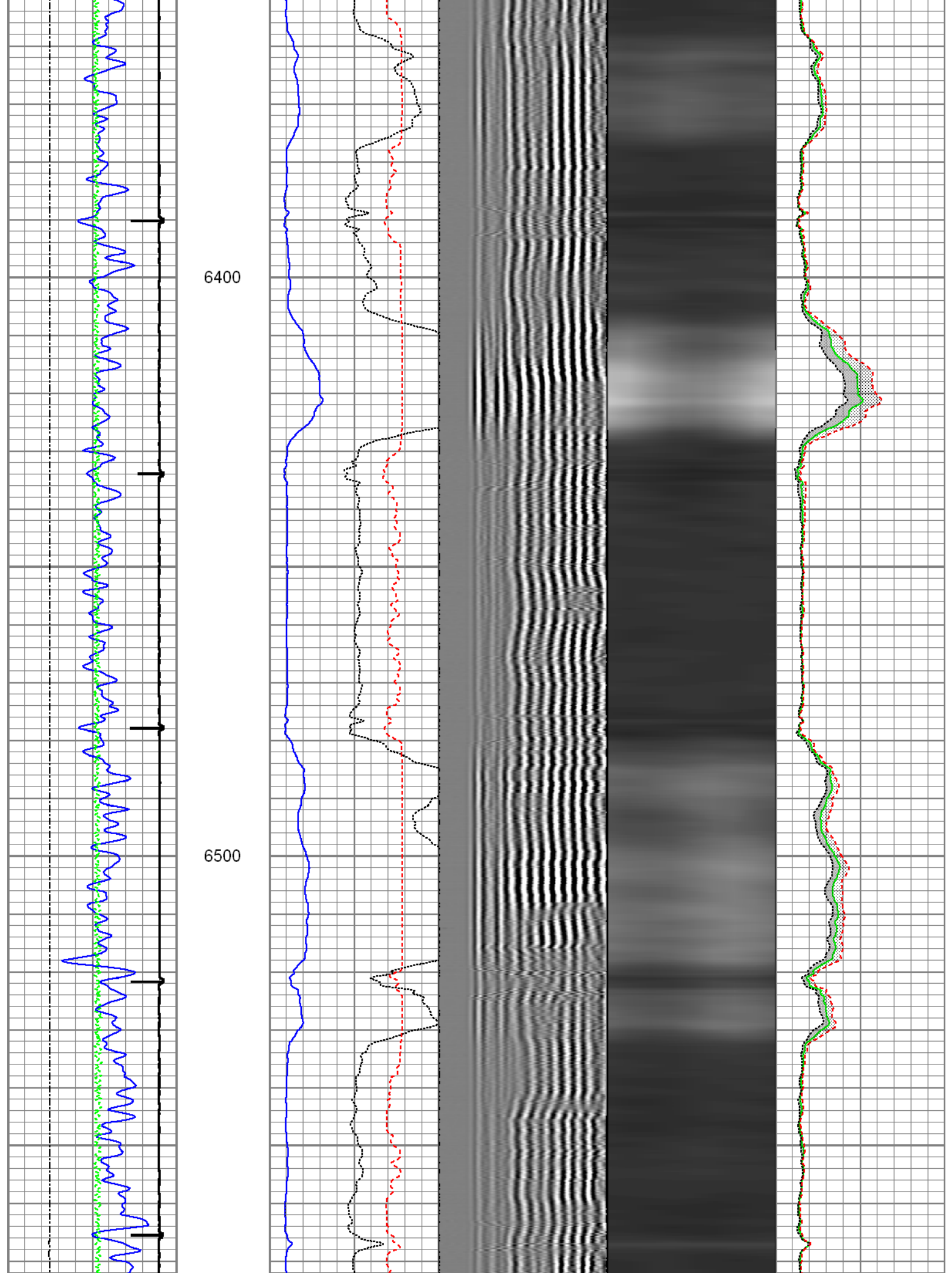
5800

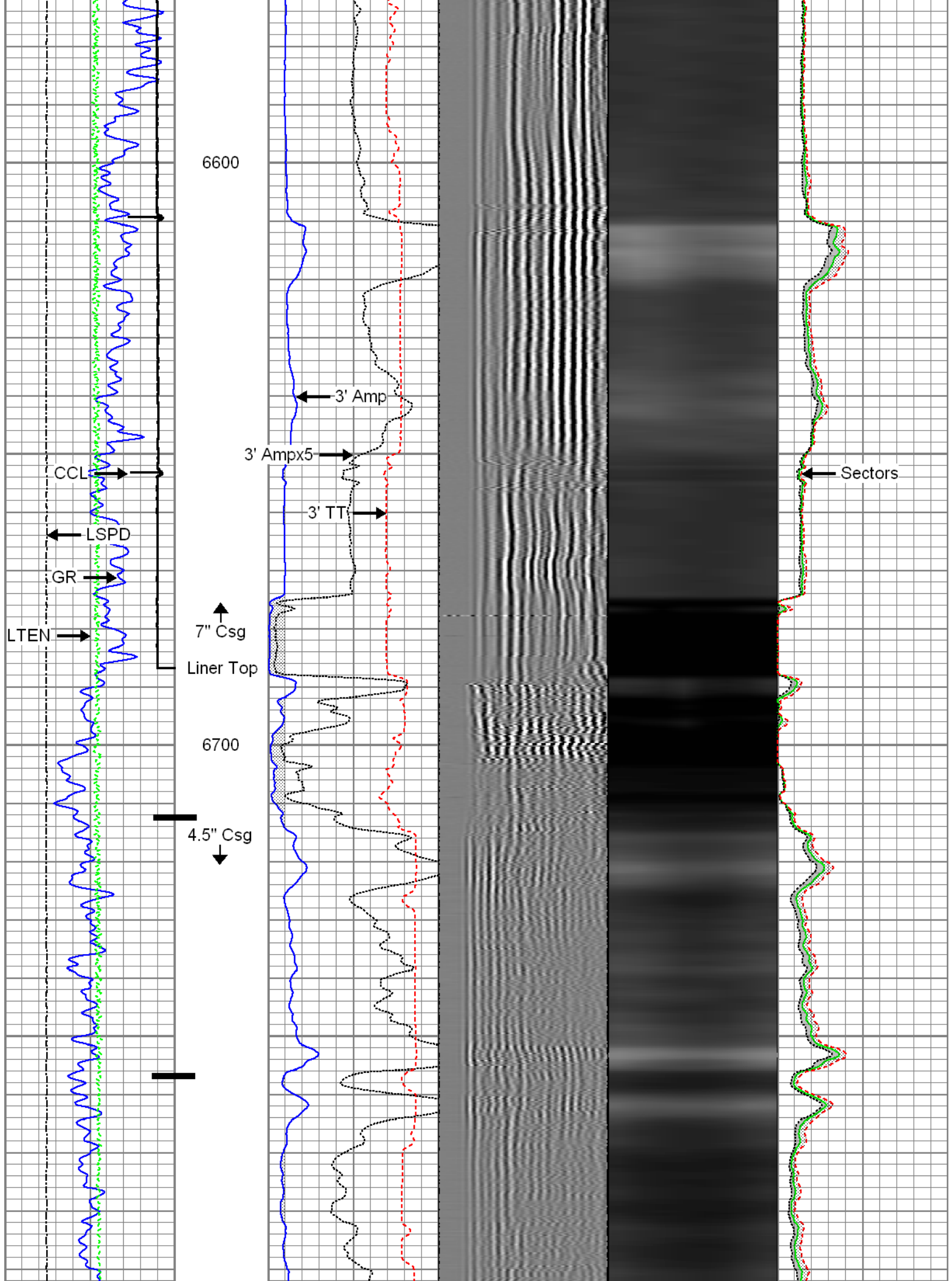
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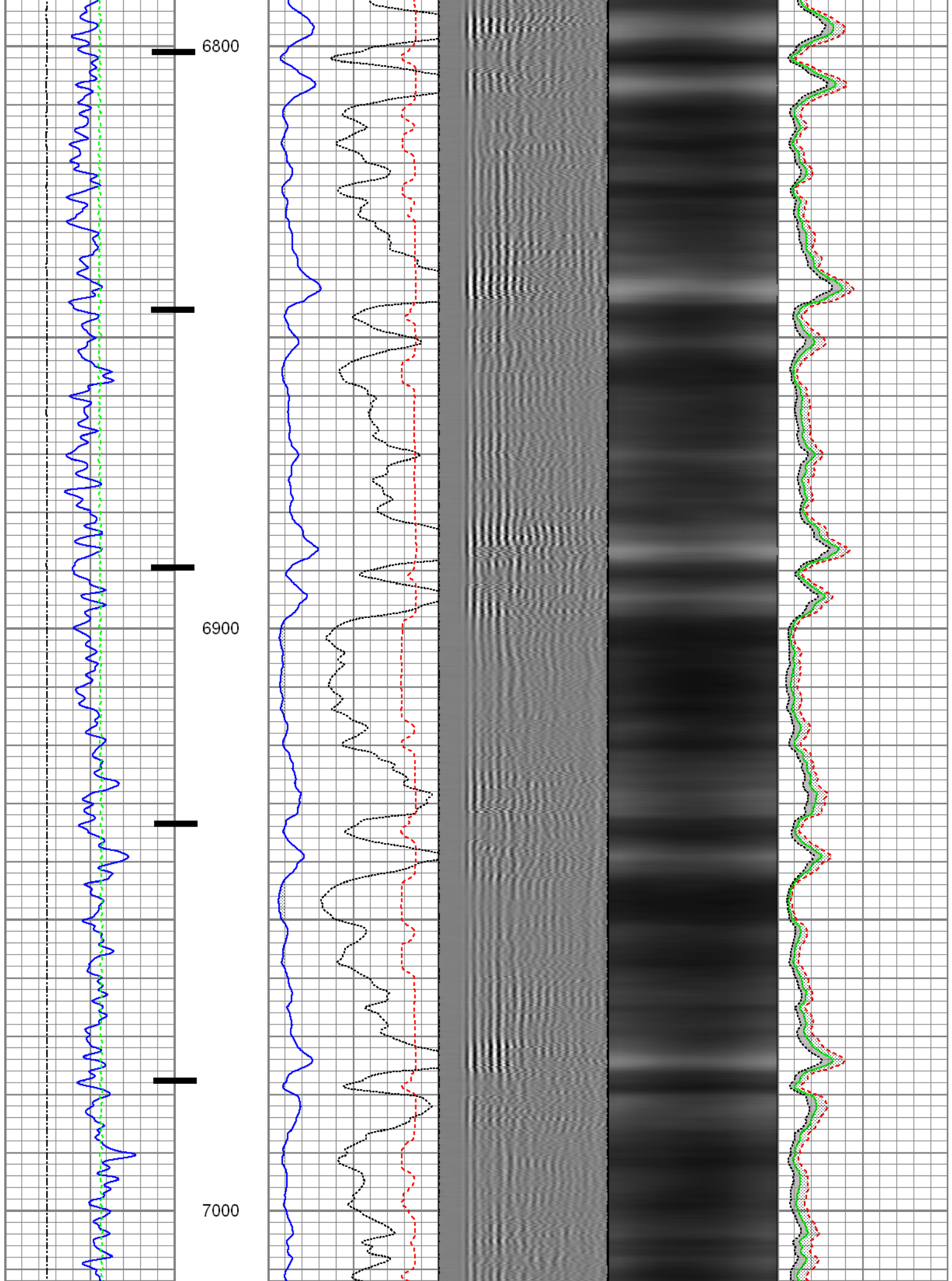


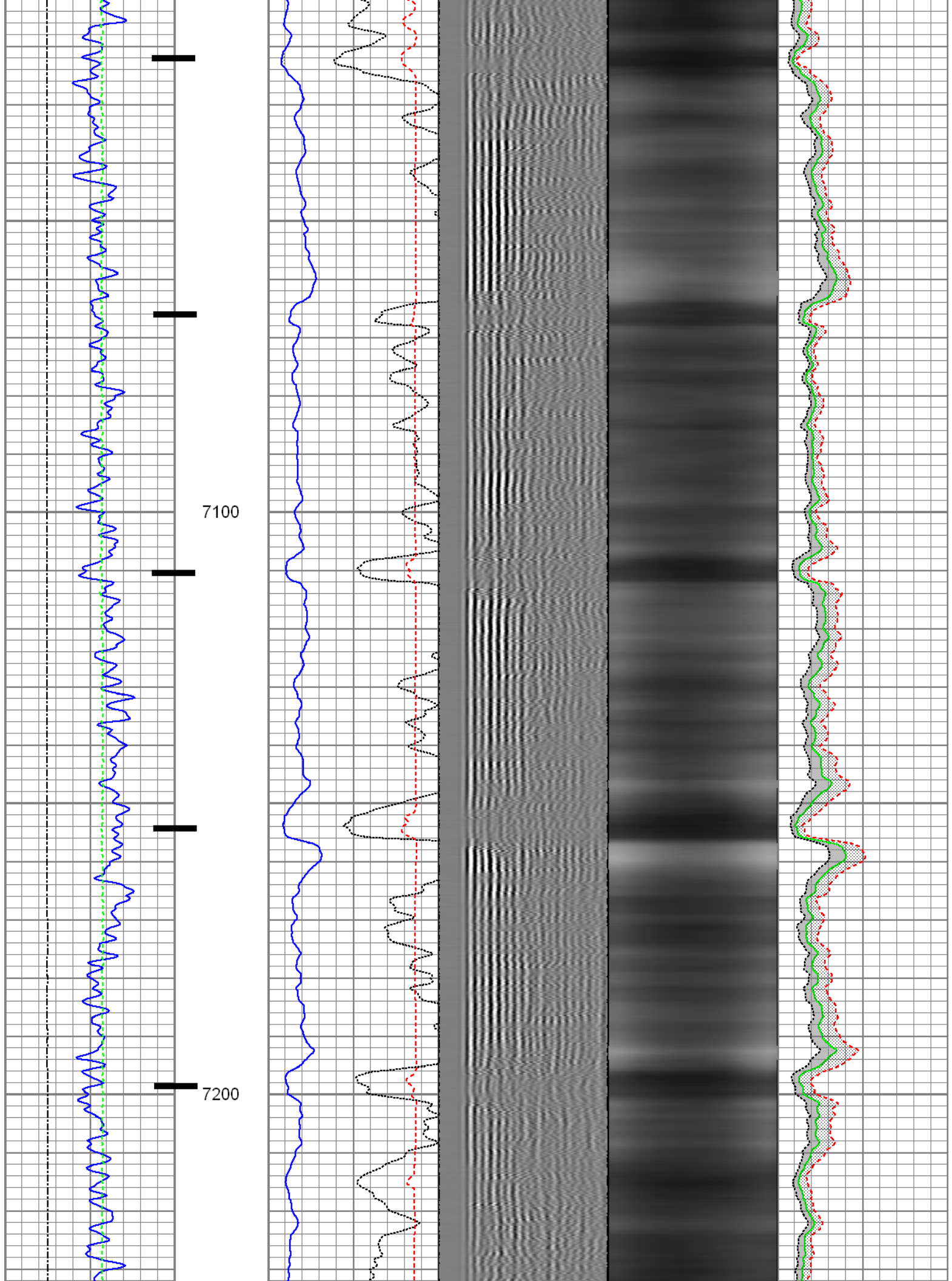


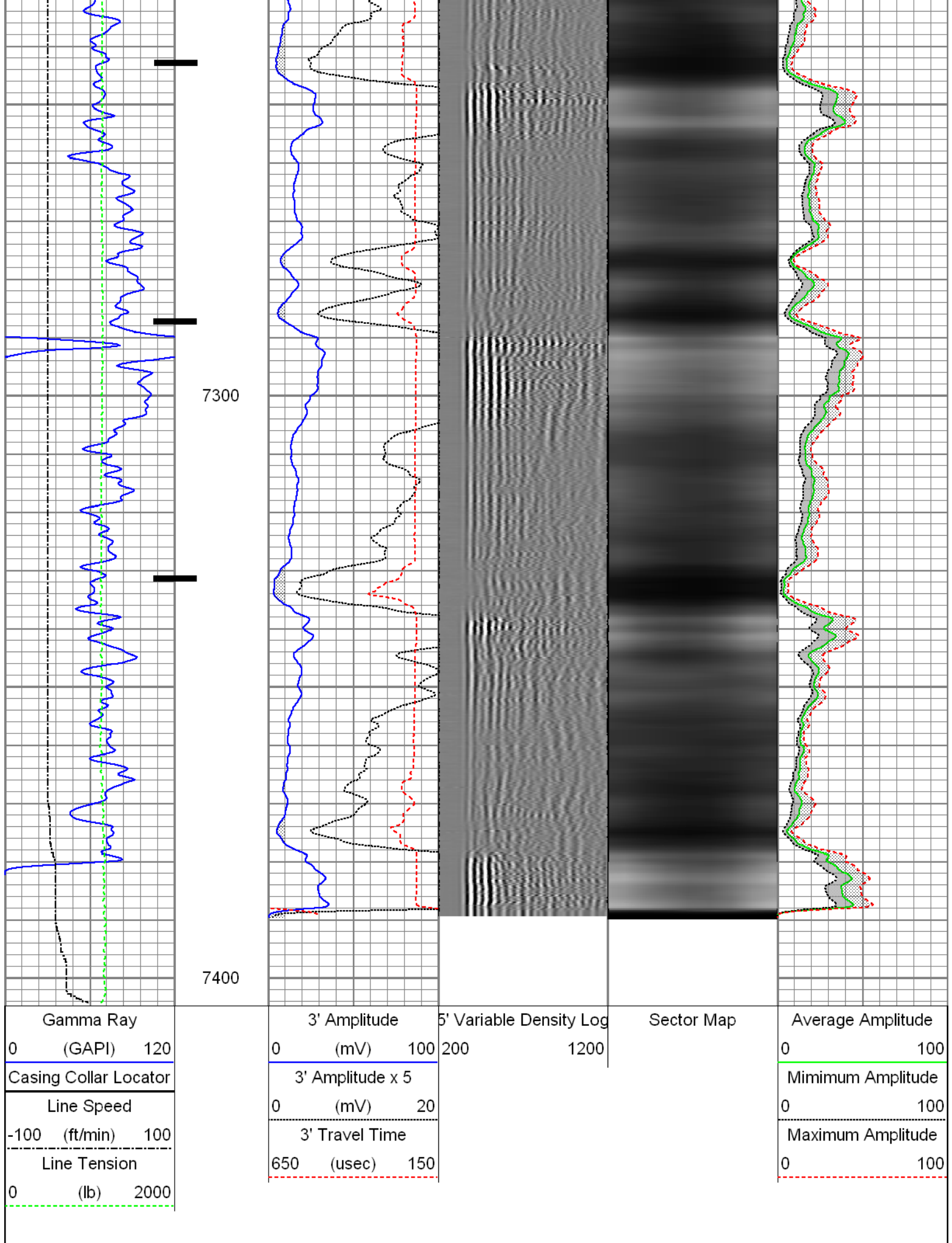












Gamma Ray		
0	(GAPI)	120
Casing Collar Locator		
Line Speed		
-100	(ft/min)	100
Line Tension		
0	(lb)	2000

3' Amplitude		
0	(mV)	100
3' Amplitude x 5		
0	(mV)	20
3' Travel Time		
650	(usec)	150

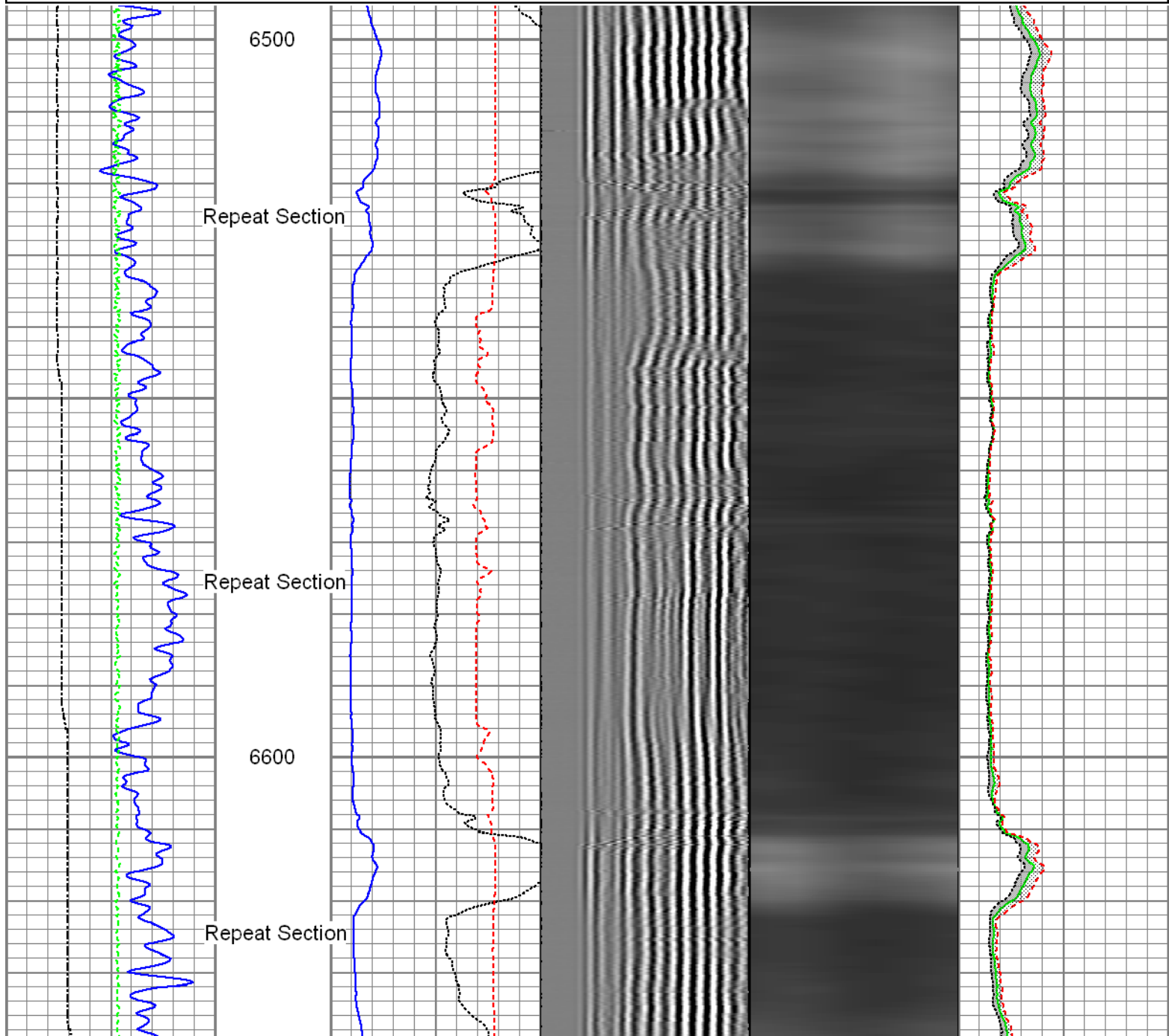
5' Variable Density Log		
200		1200

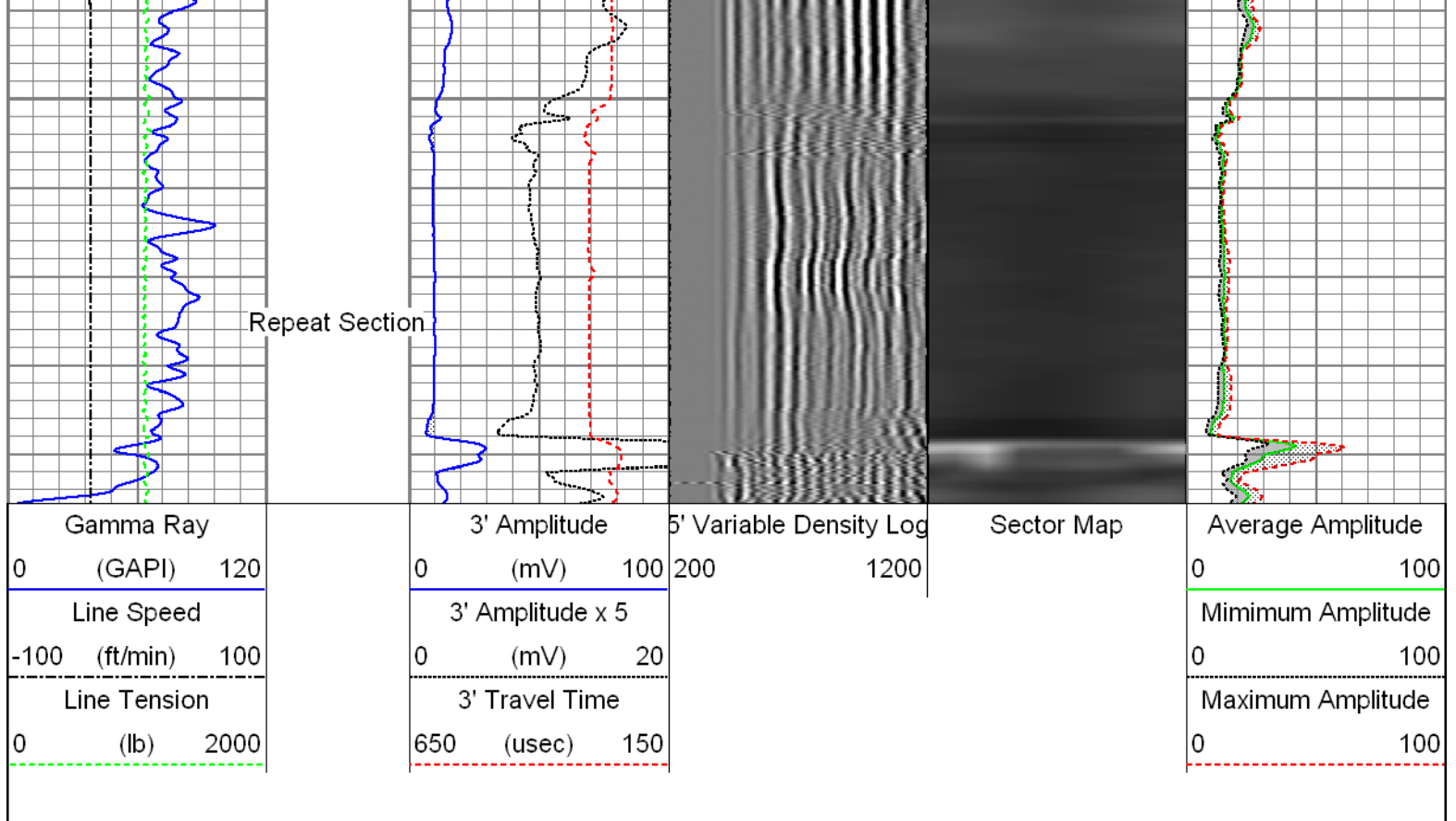
Sector Map		
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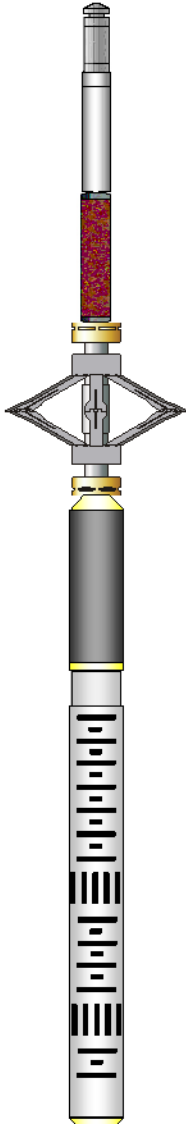

Average Amplitude		
0		100
Minimum Amplitude		
0		100
Maximum Amplitude		
0		100

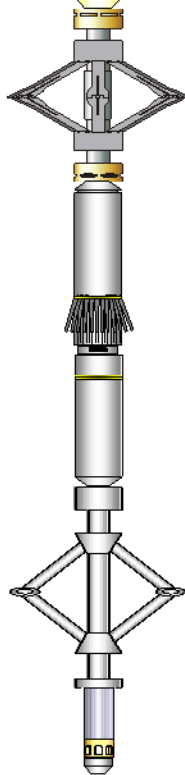
Database File: c:\warrior\data\anadarko_goodin 16n-a6hz\0512340744_anadarko_goodin 16n-a6hz_06-26-15_mit_r
 Dataset Pathname: pass3
 Presentation Format: rbt4_mit
 Dataset Creation: Fri Jun 26 12:33:42 2015 by Log 7.0 B1
 Charted by: Depth in Feet scaled 1:240

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





Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	23.85		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 (219135) Crossover Ultrawire Toolbus to Ultralink	1.58	1.69	6.50
			UW_PGR-UW_PGR_020 (10019072) Production Gamma Ray	1.93	1.69	9.50
			UW_PRC #4 -DSSRAC (081) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
WVFS1	16.46		UW_RBT-UW_RBT_004 (10022773) Sondex Ultrawire 3-1/8" Radial Bond Tool	9.47	3.13	140.00
WVFS2	16.46					
WVFS3	16.46					
WVFS4	16.46					
WVFS5	16.46					
WVFS6	16.46					
WVFS7	16.46					
WVFS8	16.46					
CBLTEMP	16.46					

CBLROT WVF5FT	16.46 15.46		UW_PRC-DSSRAC (080) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
MIT	6.45		UW_MIT-UW_MIT40_027 (218950) 40 Multifinger Imaging Tool	4.54	2.75	61.10
			UW_PRC-UW_PRC_057 (1101) Sondex 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00
			UW_PRT-UW_PRT_016 (10025097) Platinum Resistance Thermometer	1.04	1.69	5.20
TEMP TSTAMP	0.37 0.00		UW_BUL-UW_BUL_006 (218707) Sondex Ultrawire Bullnose Terminator	0.22	1.69	1.20
Dataset: 0512340744_anadarko_goodin 16n-a6hz_06-26-15_mit_rbl.db: field/well/run1/pass4 Total Length: 28.09 ft Total Weight: 324.50 lb O.D. 3.13 in						

Calibration Report	
Database File:	c:\warrior\data\anadarko_goodin 16n-a6hz\0512340744_anadarko_goodin 16n-a6hz_06-26-15_mit_rbl
Dataset Pathname:	pass4
Dataset Creation:	Fri Jun 26 12:50:47 2015 by Log 7.0 B1

Temperature Calibration Report					
Serial Number:		10025097			
Tool Model:		UW_PRT_016			
Performed:		Wed Feb 11 13:44:44 2015			
Point #	Reading		Reference		
1	13053.00	cps	68.00	degF	
2	18014.00	cps	104.00	degF	
3	29668.00	cps	176.00	degF	
4	41181.00	cps	248.00	degF	
5	52983.00	cps	320.00	degF	
6	58931.00	cps	356.00	degF	
7		cps		degF	
8		cps		degF	
9		cps		degF	
10		cps		degF	

Multi-finger Imaging Tool Calibration Report	
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
Incl X	Incl 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: Fri Jun 26 11:27:10 2015

Ring size: (in)	4		5		6		7
		Sens		Sens		Sens	
Finger 01:	1437	281.0	1718	296.0	2014	292.0	2306
Finger 02:	1506	255.0	1761	266.0	2027	259.0	2286
Finger 03:	1425	280.0	1705	299.0	2004	294.0	2298
Finger 04:	1444	281.0	1725	299.0	2024	286.0	2310
Finger 05:	1483	272.0	1755	286.0	2041	276.0	2317
Finger 06:	1412	282.0	1694	305.0	1999	298.0	2297
Finger 07:	1435	278.0	1713	300.0	2013	298.0	2311
Finger 08:	1430	273.0	1703	296.0	1999	292.0	2291
Finger 09:	1423	278.0	1701	302.0	2003	301.0	2304
Finger 10:	1440	266.0	1706	291.0	1997	294.0	2291
Finger 11:	1429	273.0	1702	298.0	2000	303.0	2303
Finger 12:	1382	275.0	1657	302.0	1959	311.0	2270
Finger 13:	1480	255.0	1735	278.0	2013	284.0	2297
Finger 14:	1417	259.0	1676	287.0	1963	306.0	2269
Finger 15:	1413	273.0	1686	294.0	1980	314.0	2294
Finger 16:	1416	263.0	1679	291.0	1970	312.0	2282
Finger 17:	1426	272.0	1698	297.0	1995	321.0	2316
Finger 18:	1368	262.0	1630	280.0	1910	310.0	2220
Finger 19:	1425	263.0	1688	287.0	1975	313.0	2288
Finger 20:	1435	263.0	1698	285.0	1983	317.0	2300
Finger 21:	1385	273.0	1658	299.0	1957	330.0	2287
Finger 22:	1409	257.0	1666	276.0	1942	307.0	2249
Finger 23:	1406	263.0	1669	281.0	1950	312.0	2262
Finger 24:	1441	266.0	1707	280.0	1987	306.0	2293
Finger 25:	1418	268.0	1686	282.0	1968	308.0	2276
Finger 26:	1386	271.0	1657	286.0	1943	315.0	2258
Finger 27:	1440	264.0	1704	278.0	1982	300.0	2282
Finger 28:	1428	274.0	1702	283.0	1985	306.0	2291
Finger 29:	1480	259.0	1739	267.0	2006	286.0	2292
Finger 30:	1389	275.0	1664	284.0	1948	306.0	2254
Finger 31:	1419	280.0	1699	292.0	1991	305.0	2296
Finger 32:	1478	267.0	1745	271.0	2016	282.0	2298
Finger 33:	1432	284.0	1716	293.0	2009	305.0	2314
Finger 34:	1441	277.0	1718	288.0	2006	300.0	2306
Finger 35:	1490	259.0	1749	265.0	2014	269.0	2283
Finger 36:	1473	269.0	1742	281.0	2023	285.0	2308
Finger 37:	1444	283.0	1727	294.0	2021	292.0	2313
Finger 38:	1518	253.0	1771	260.0	2031	262.0	2293
Finger 39:	1447	275.0	1722	286.0	2008	279.0	2287
Finger 40:	1412	288.0	1700	302.0	2002	297.0	2299


Segmented Cement Bond Log Calibration Report

Serial Number:	10022773
Tool Model:	UW_RBT_004
Calibration Casing Diameter:	7.000 in
Calibration Depth:	40.100 ft

Master Calibration, performed Fri Jun 26 11:28:38 2015:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.002	0.763	0.800	62.165	80.704	0.600
5FT	-0.001	0.702	0.800	62.165	87.213	0.929
S1	0.002	0.755	0.000	100.000	132.901	-0.324
S2	0.002	0.837	0.000	100.000	119.730	-0.184
S3	0.002	0.835	0.000	100.000	120.181	-0.293
S4	0.002	0.781	0.000	100.000	128.418	-0.295
S5	0.002	0.725	0.000	100.000	138.348	-0.333
S6	0.001	0.667	0.000	100.000	150.128	-0.183
S7	0.001	0.659	0.000	100.000	151.963	-0.204
S8	0.001	0.697	0.000	100.000	143.689	-0.214

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	Goodin 16N - A6HZ
	Field	Wattenberg
	County	Weld
	State	Colorado