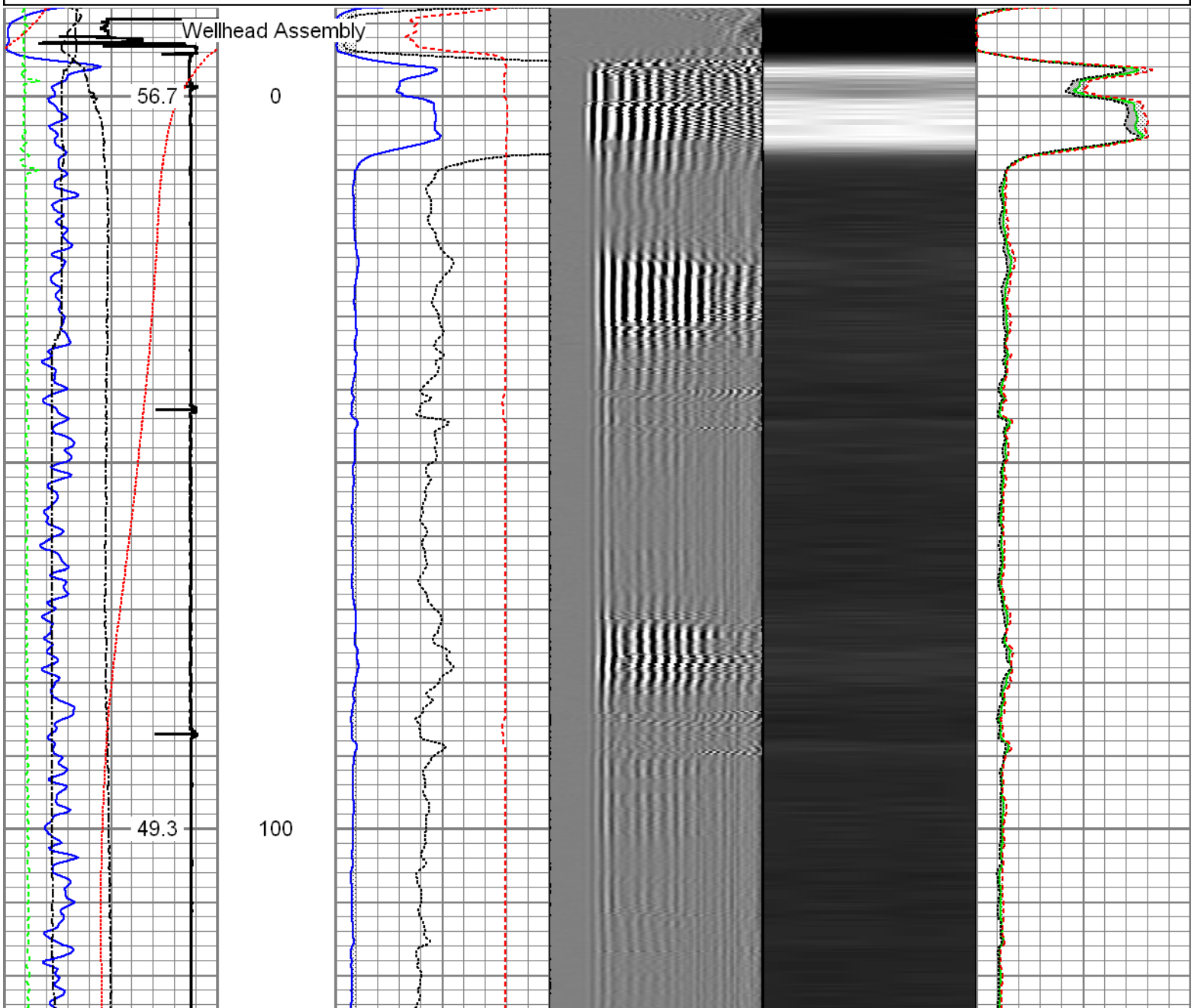
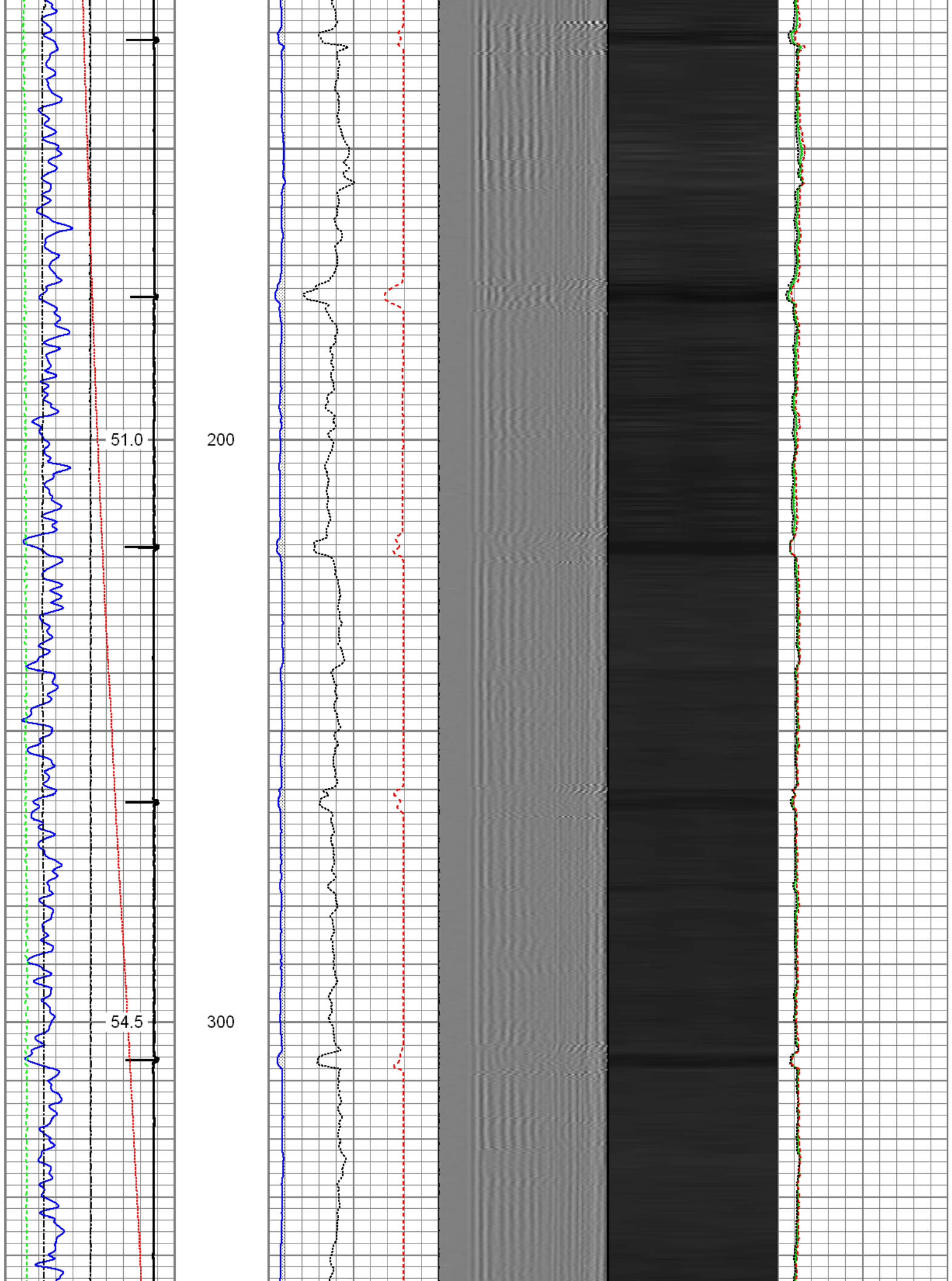


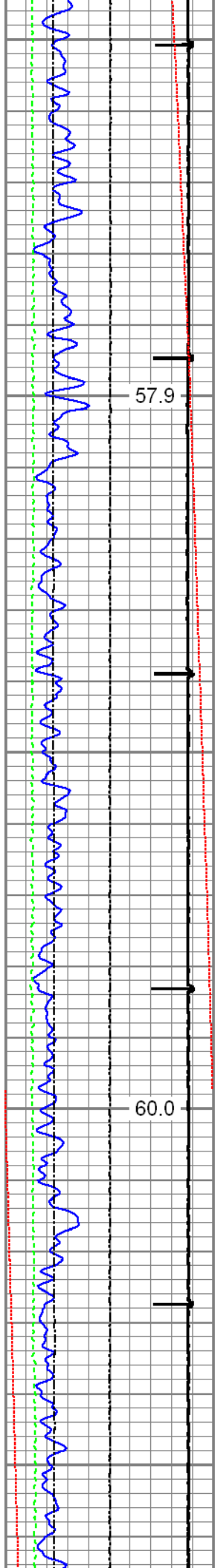


Database File: c:\warrior\data\anadarko\_hunziker 1n-28hz\0512340844\_anadarko\_hunziker 1n-28hz\_06-17-15\_mit\_r  
 Dataset Pathname: main  
 Presentation Format: rbt4\_mit  
 Dataset Creation: Wed Jun 17 07:51:51 2015 by Log 7.0 B1  
 Charted by: Depth in Feet scaled 1:240

Gamma Ray 0 (GAPI) 120	3' Amplitude 0 (mV) 100	5' Variable Density Log 200 1200	Sector Map	Average Amplitude 0 100
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				
Differential Temperature -2 (degF) 2				
Temperature 0 (degF) 20				

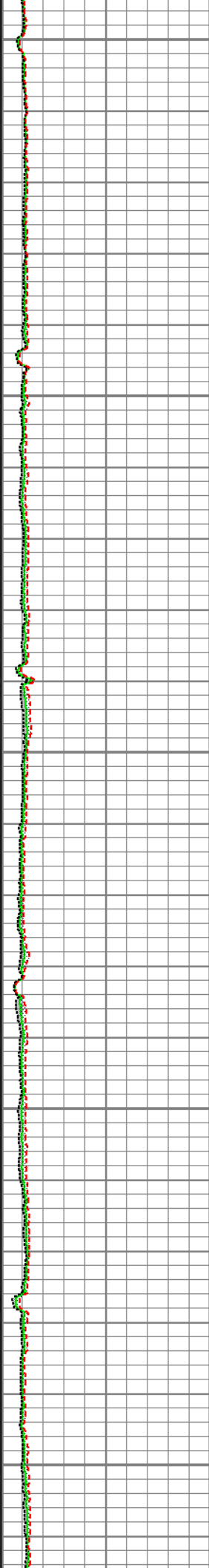
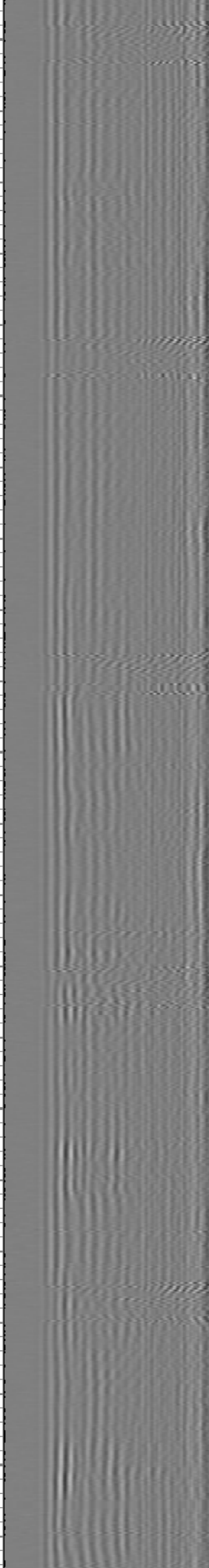
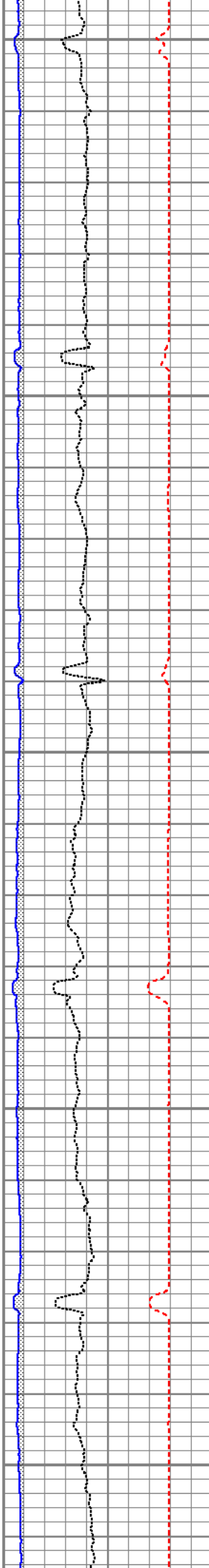


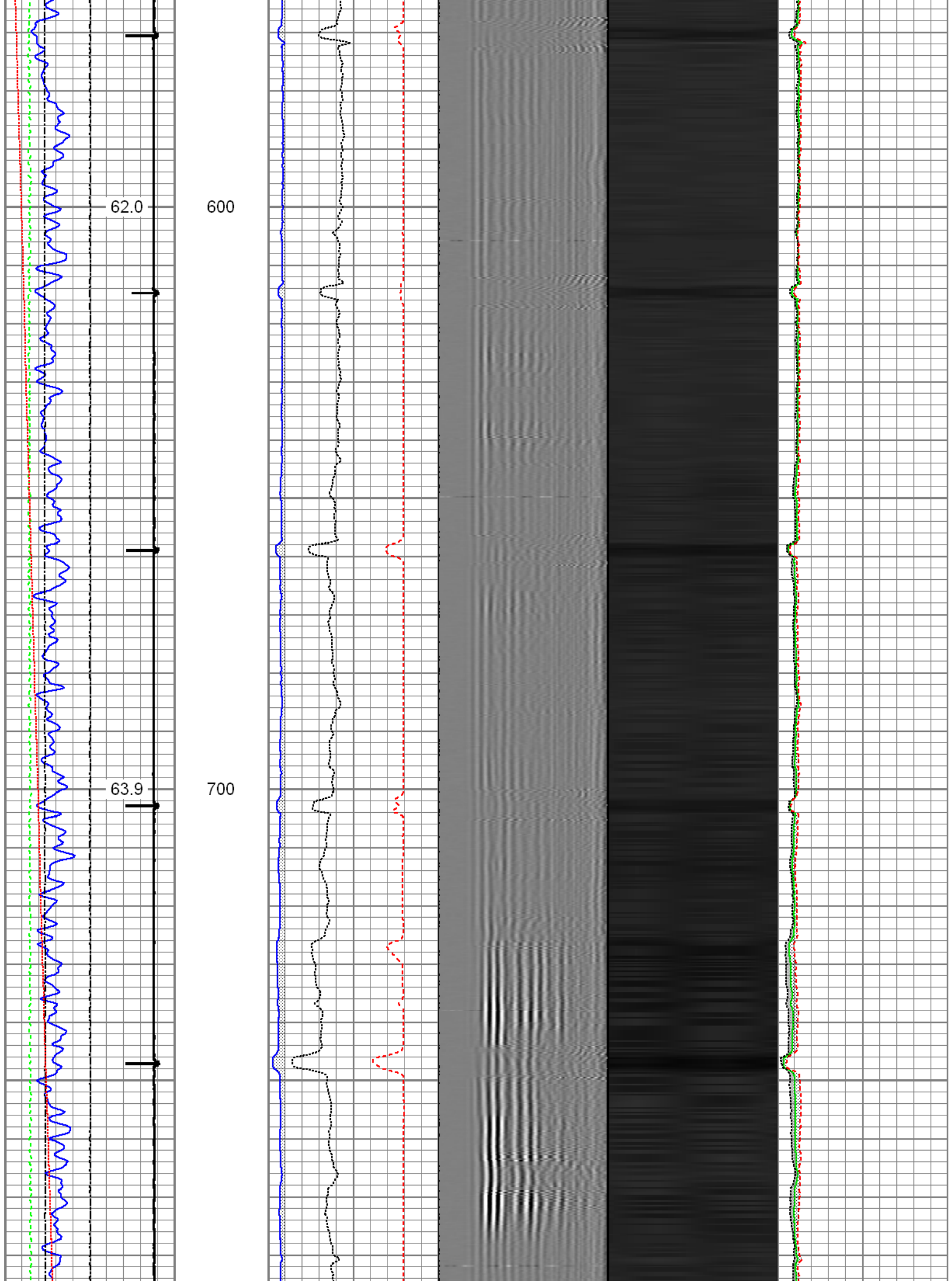


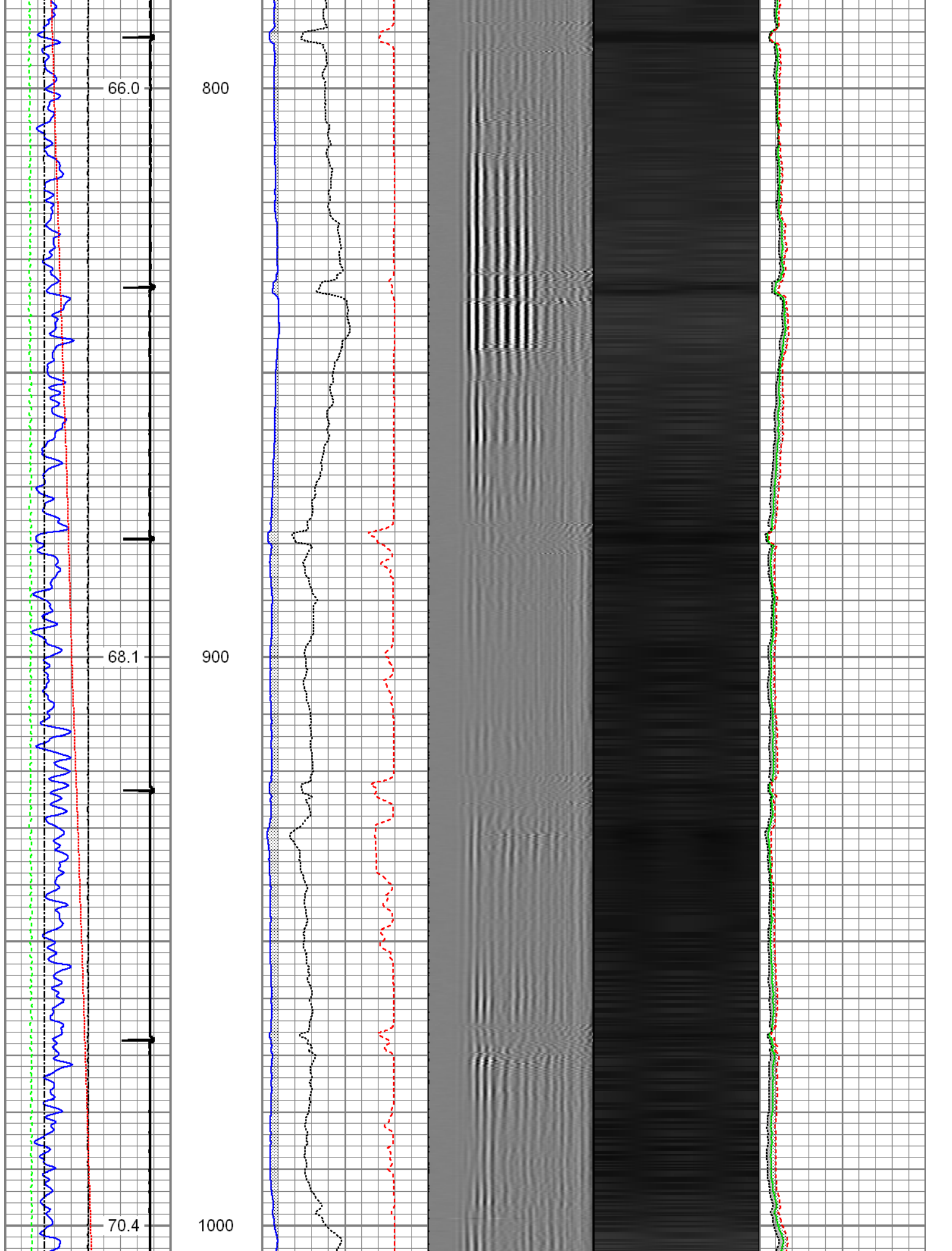


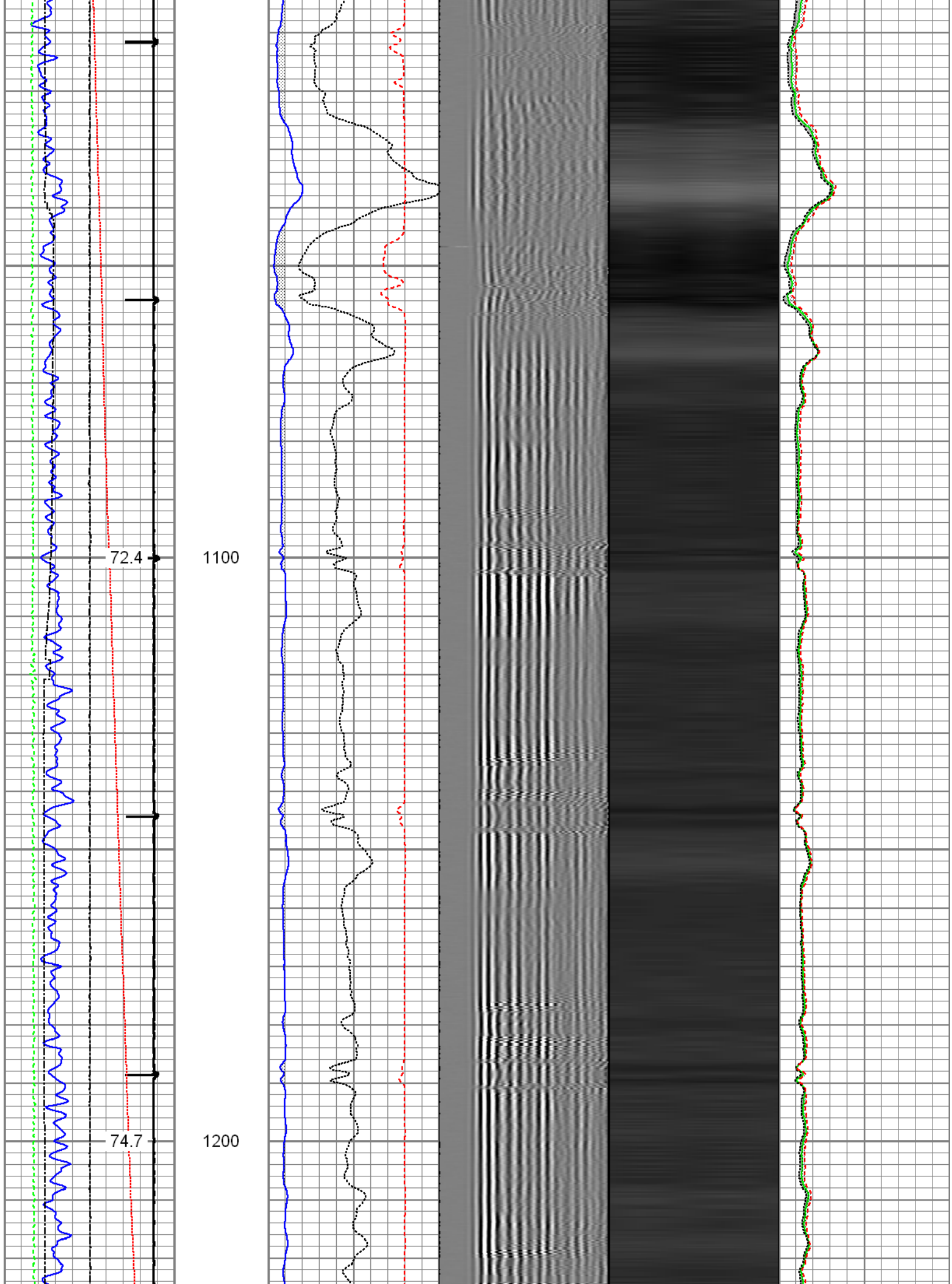
400

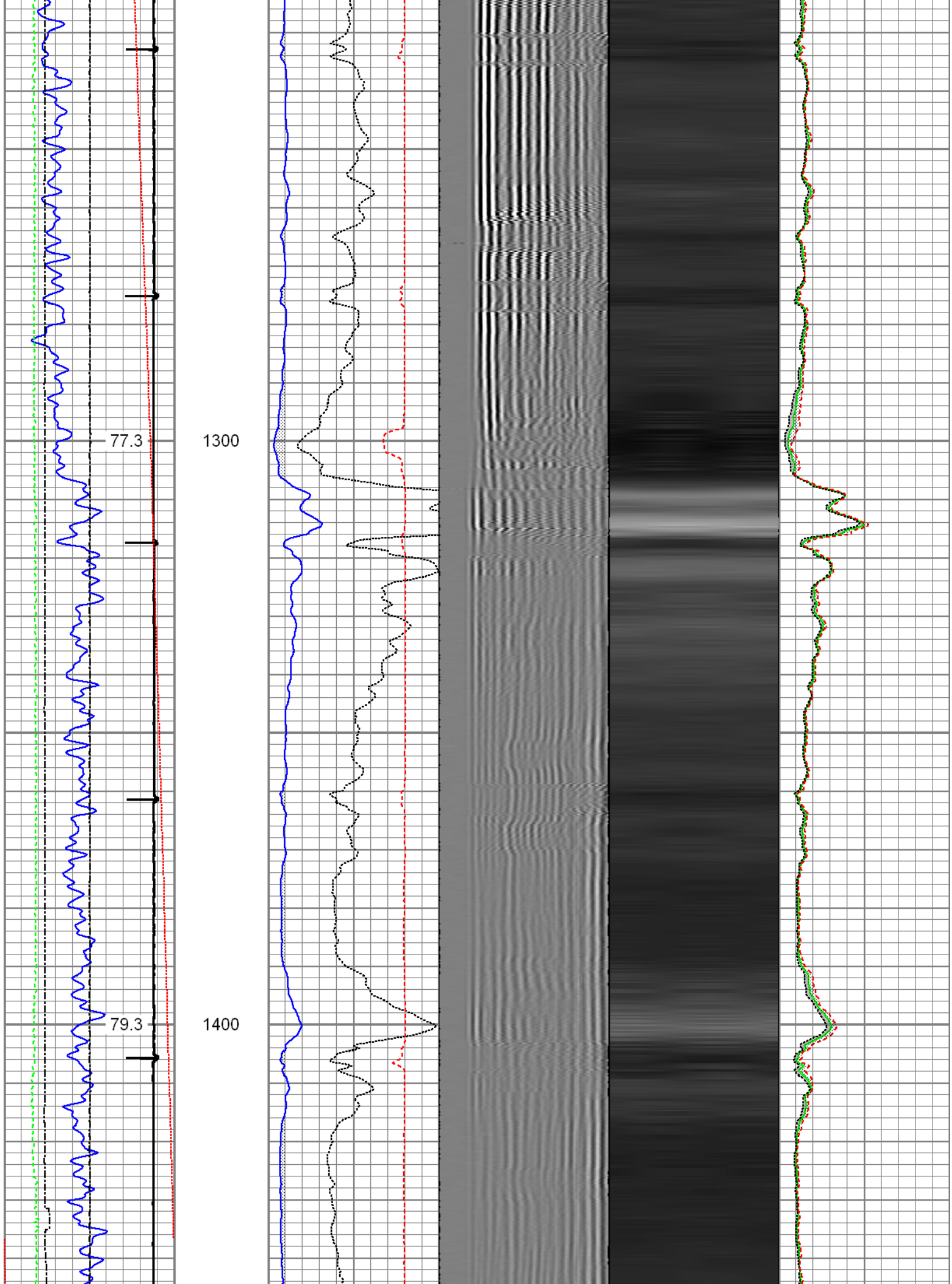
500

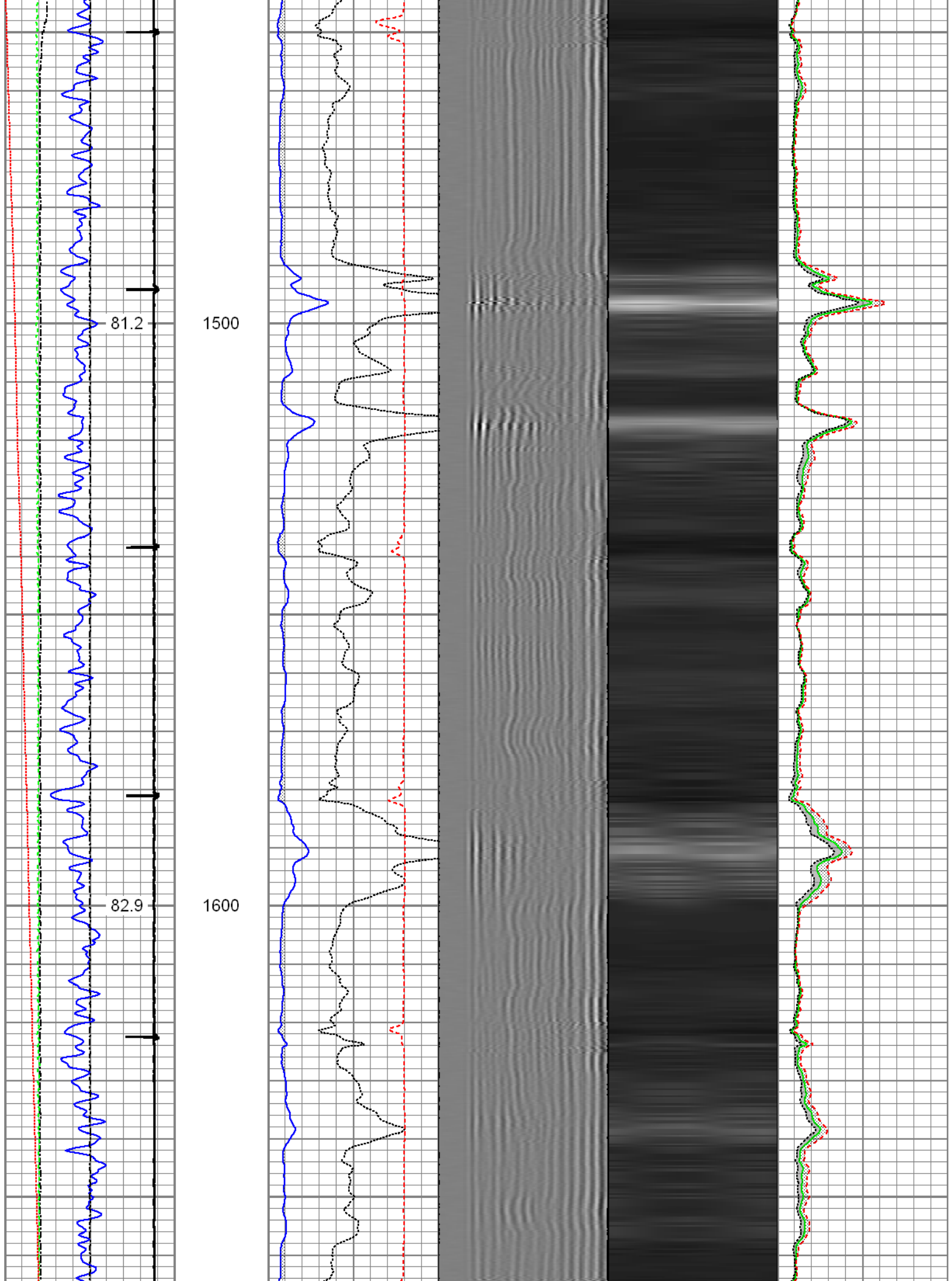


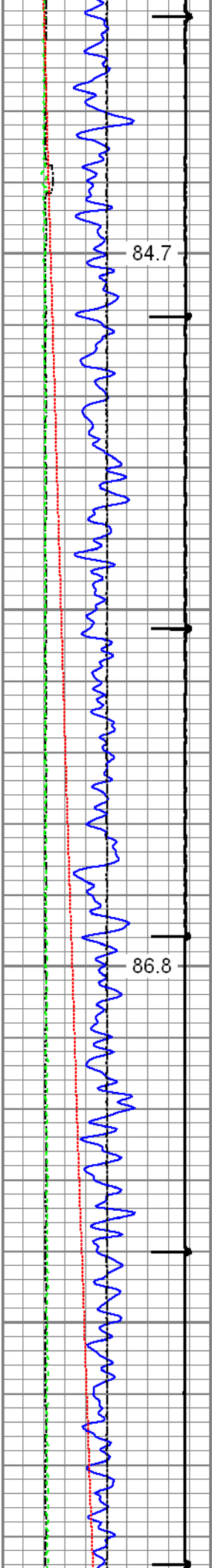










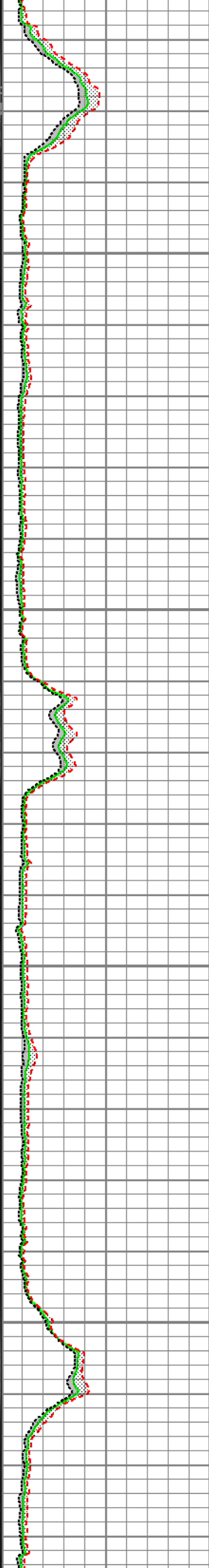
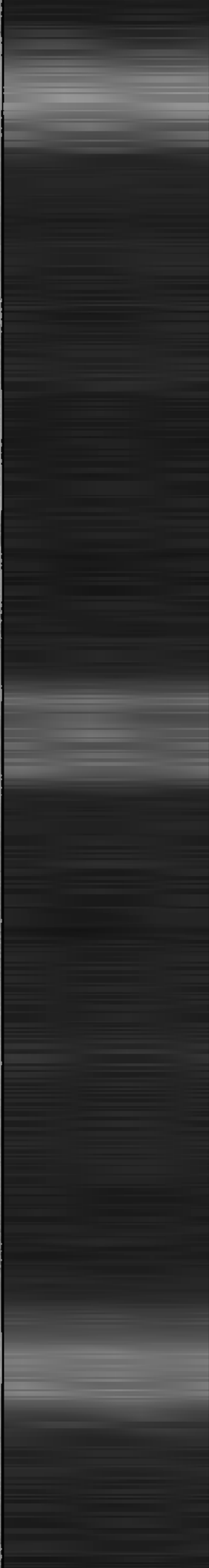
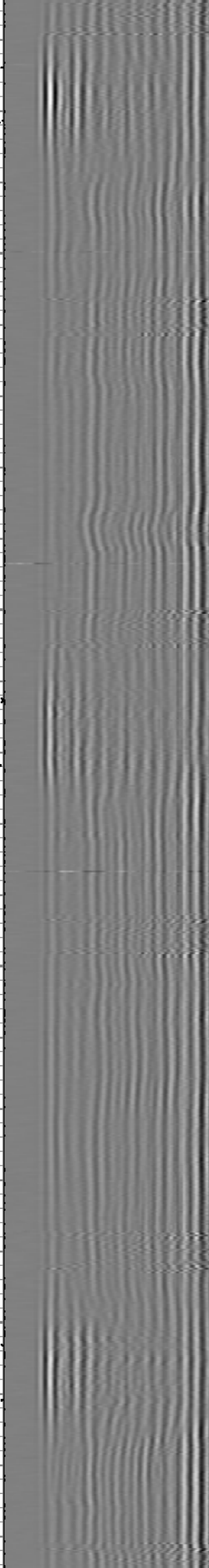
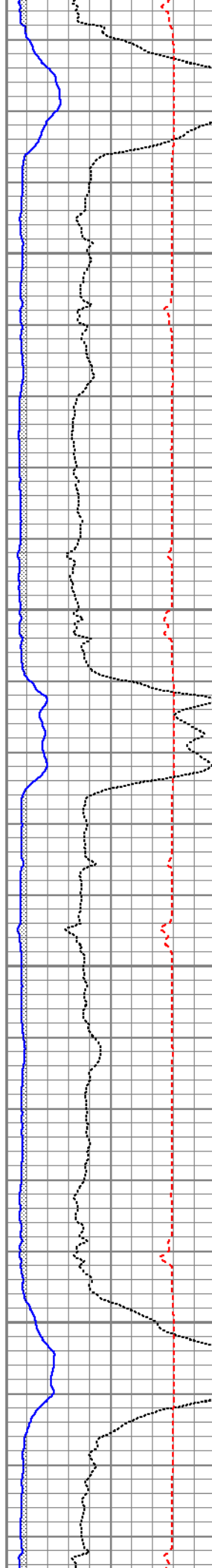


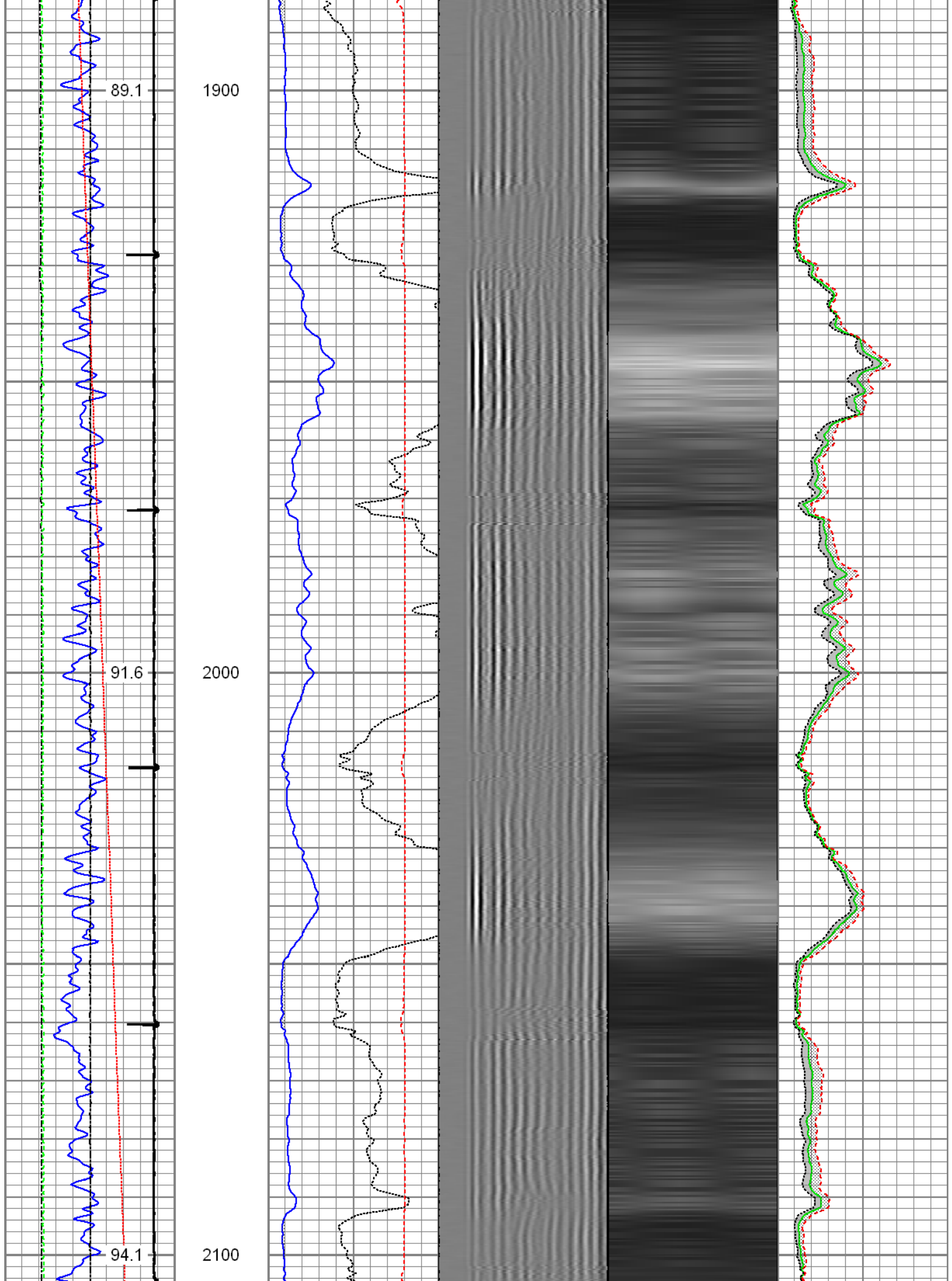
84.7

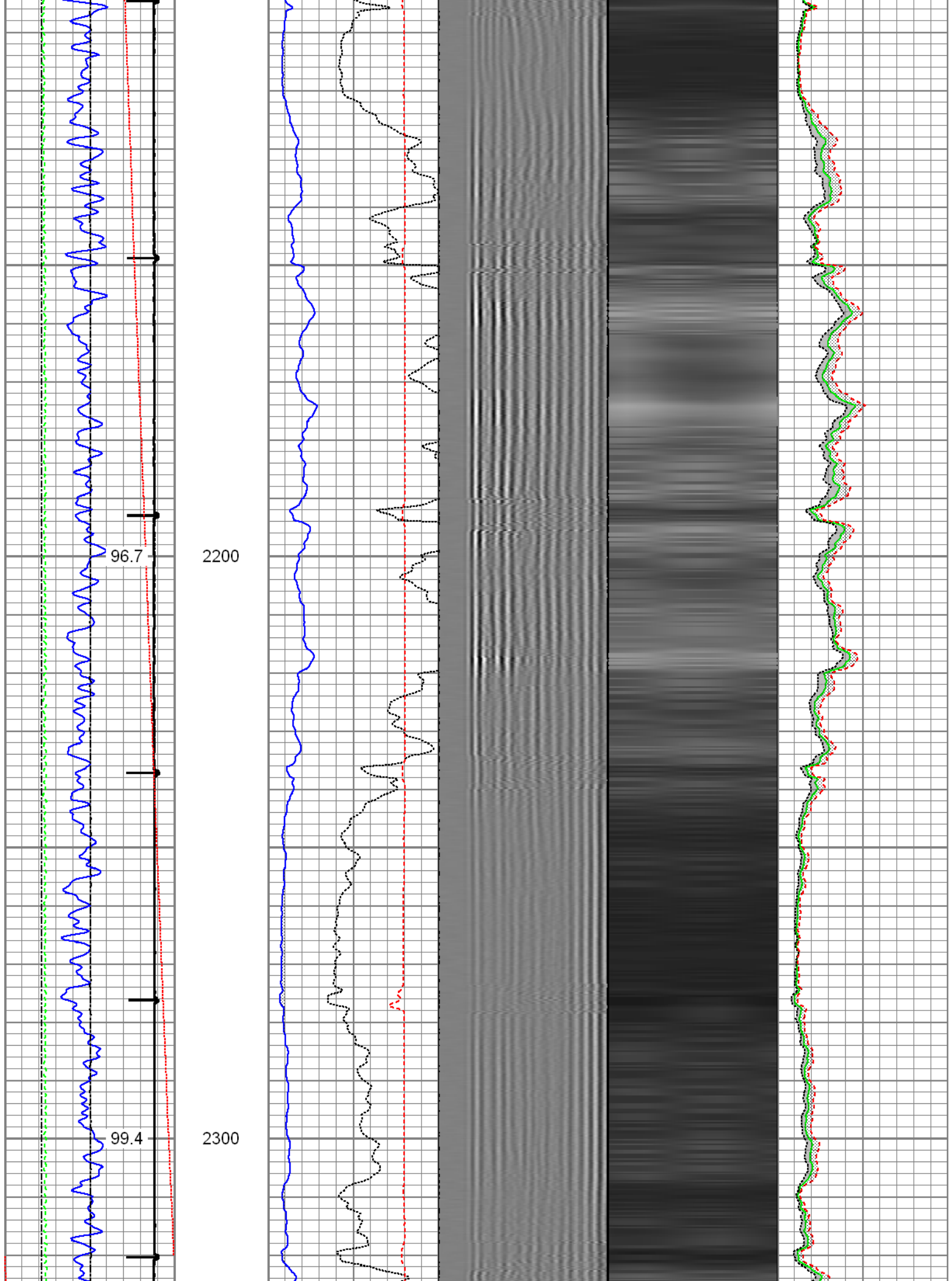
1700

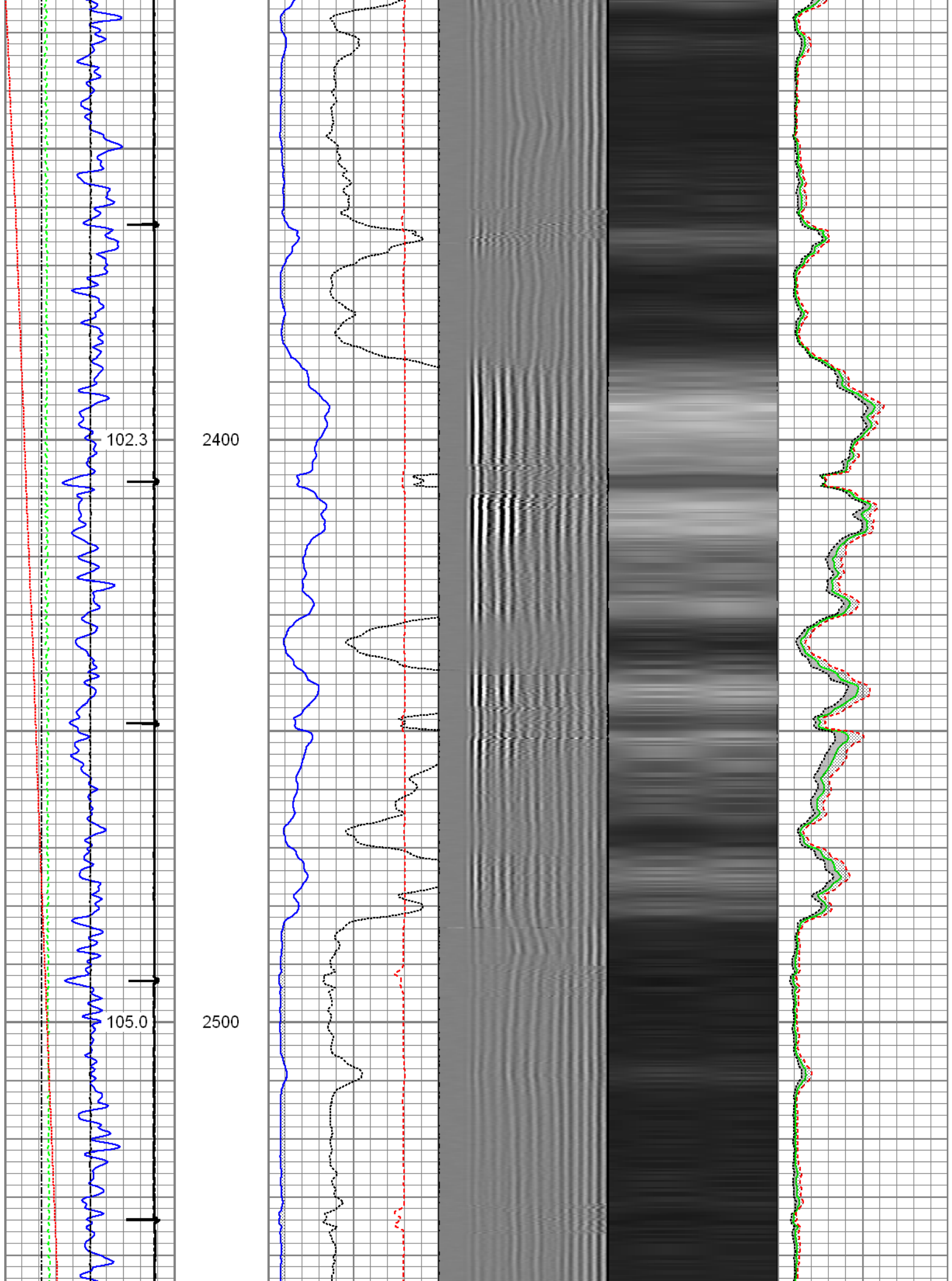
86.8

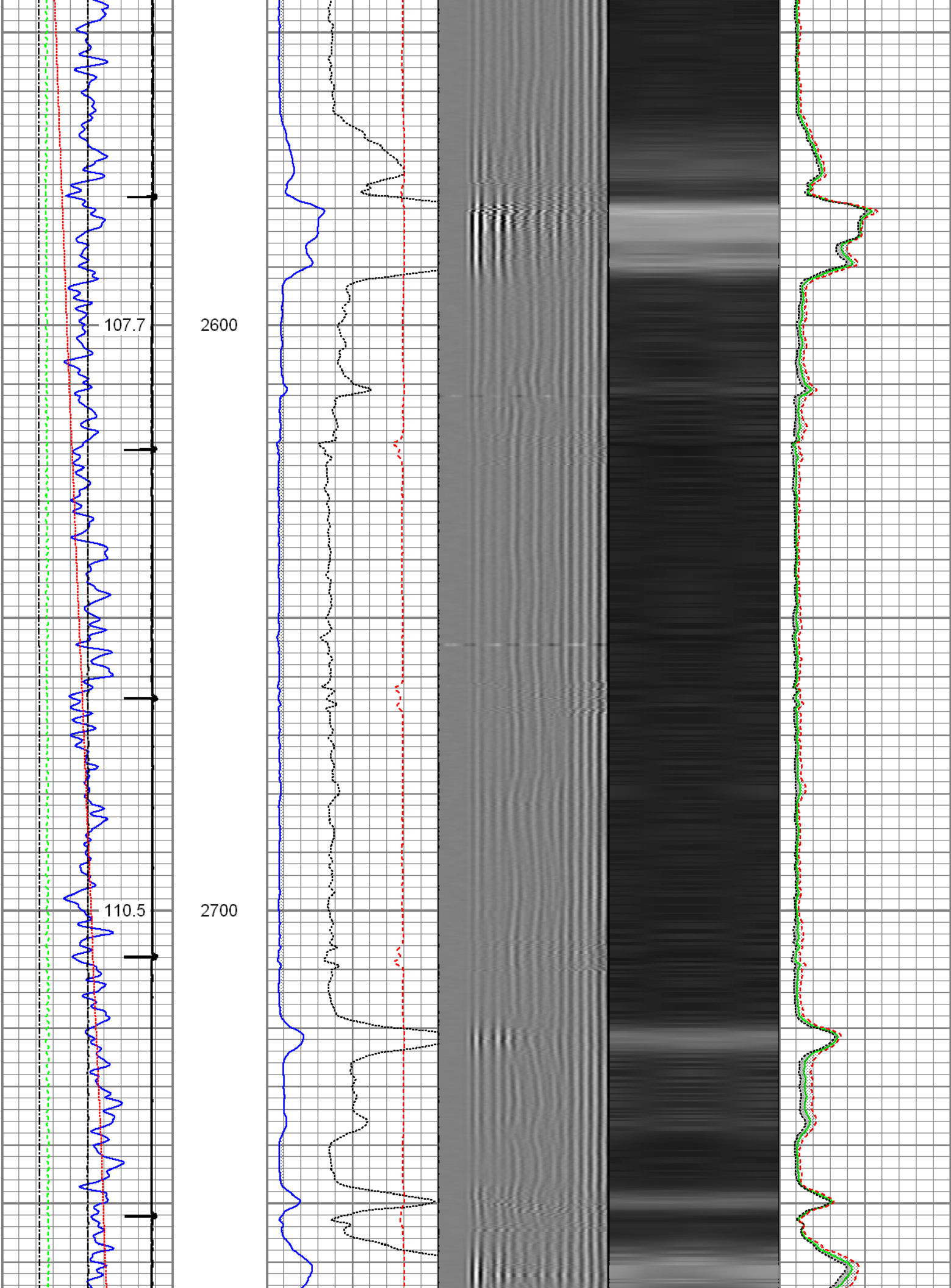
1800

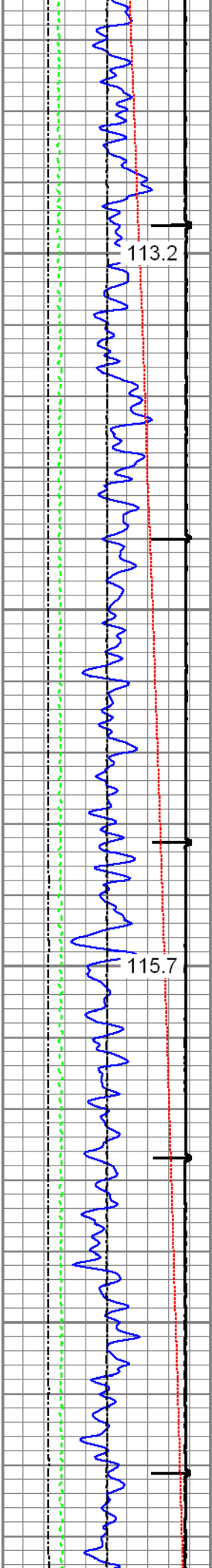






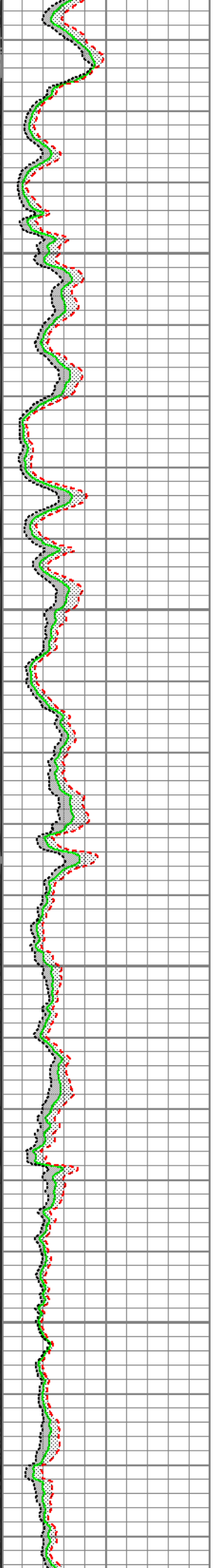
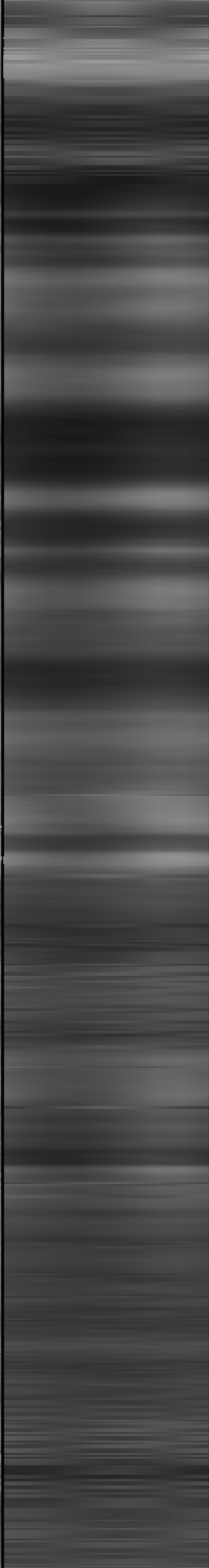
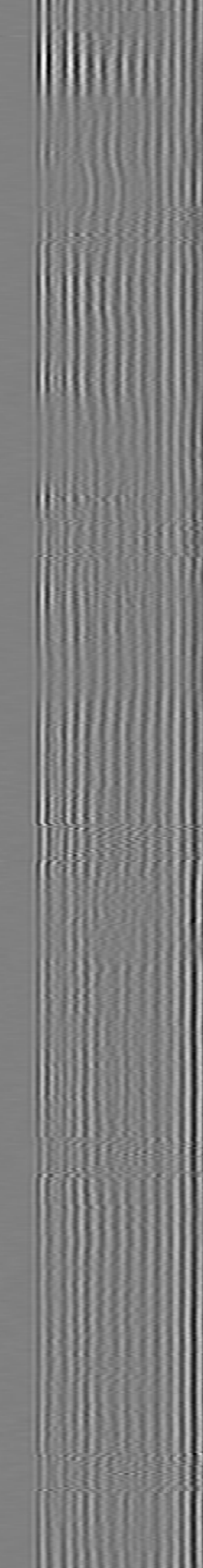
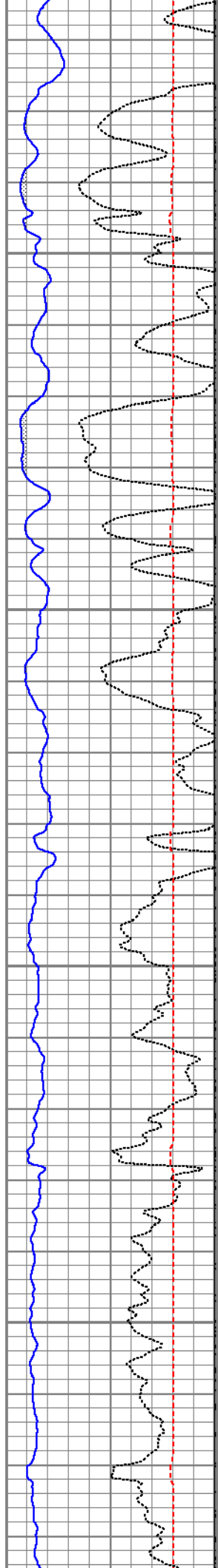


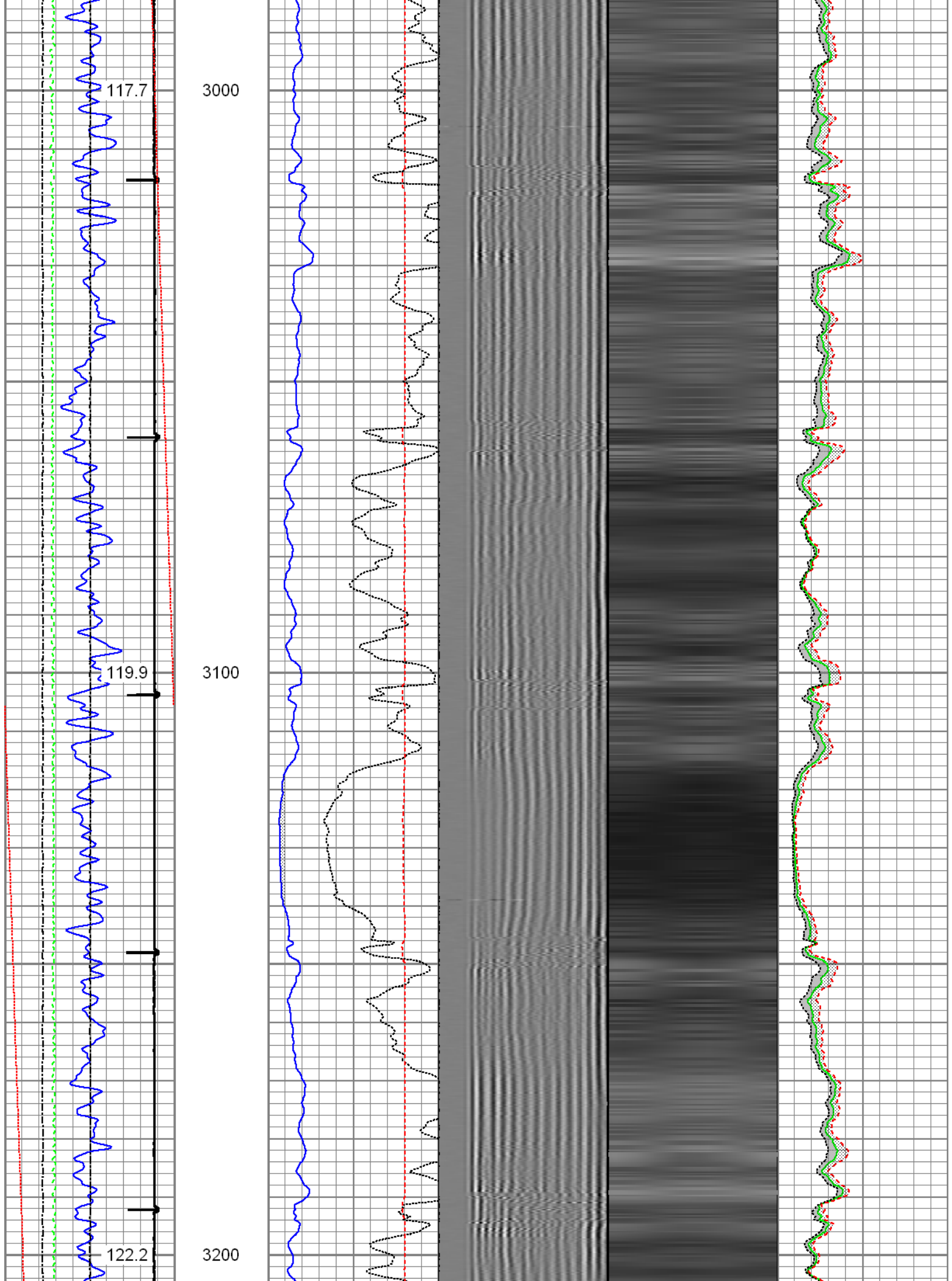


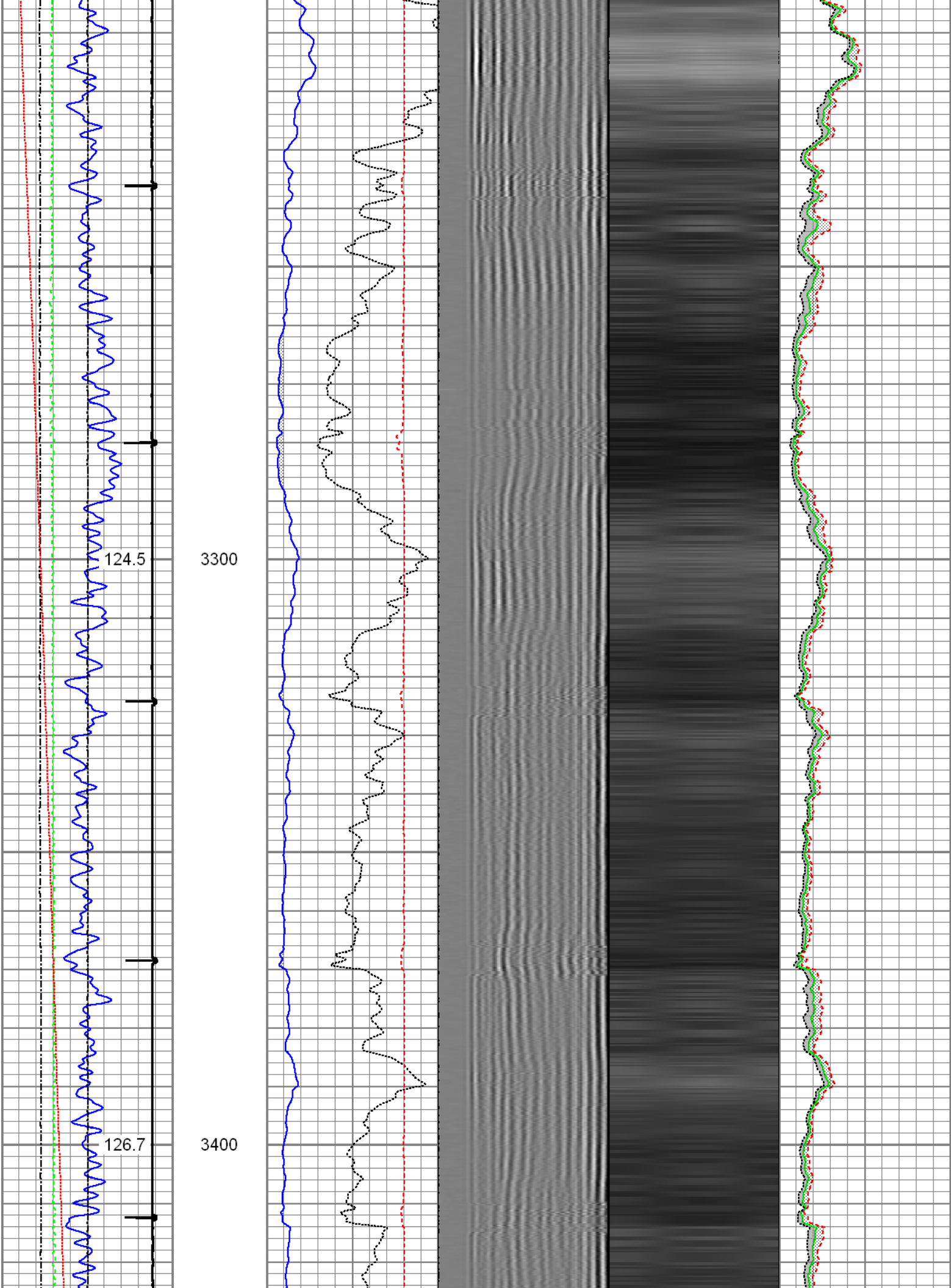


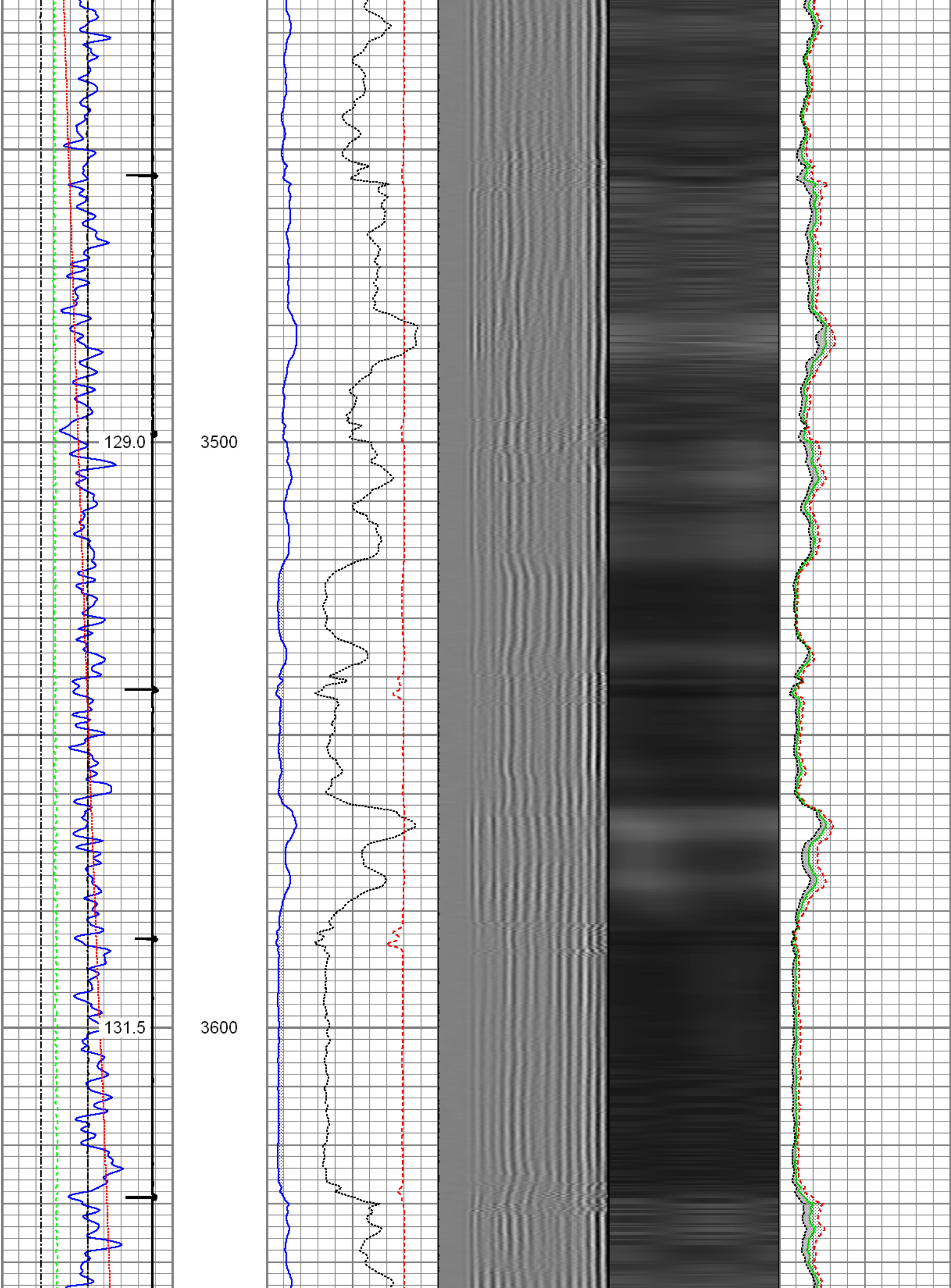
2800

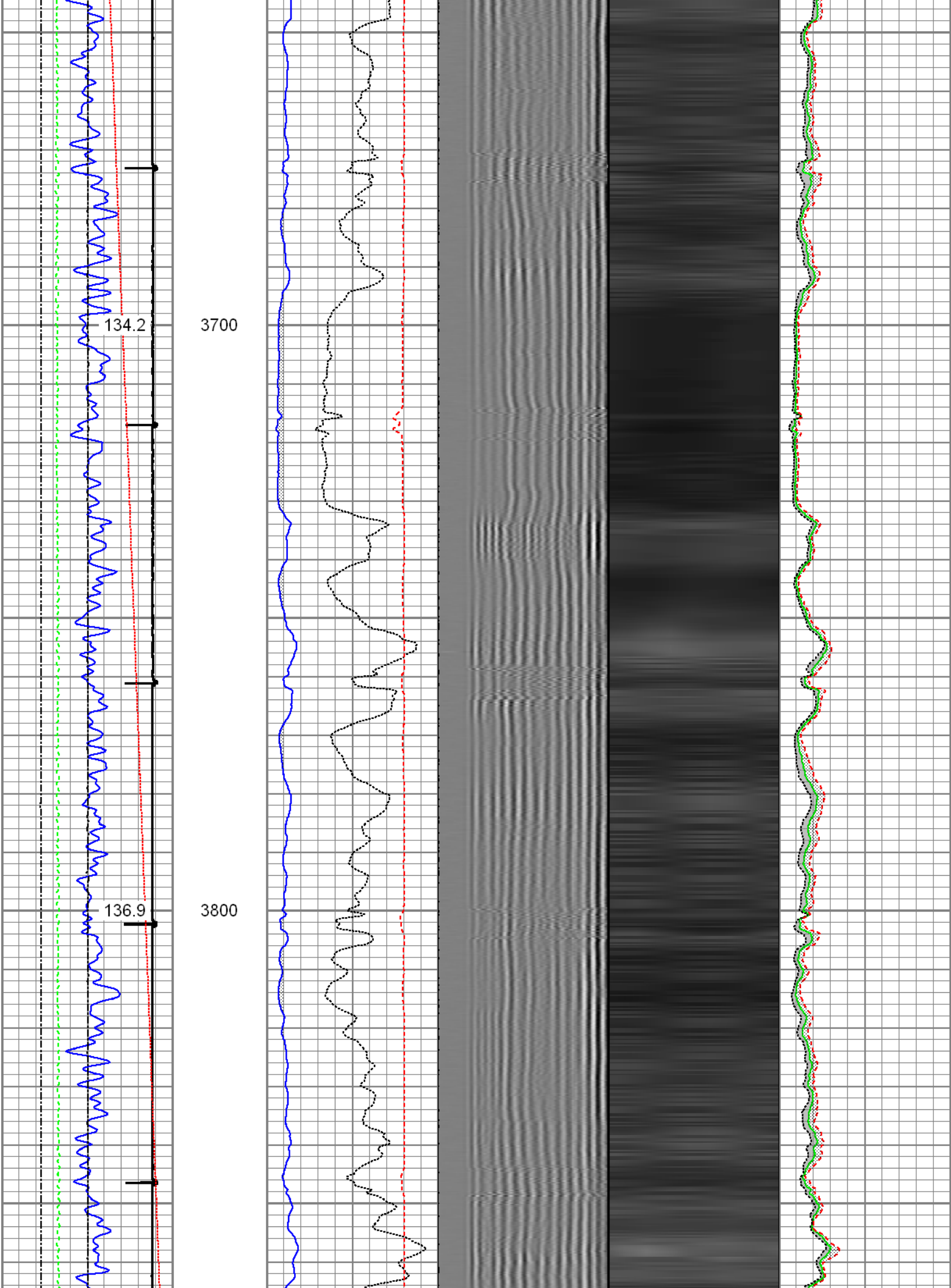
2900

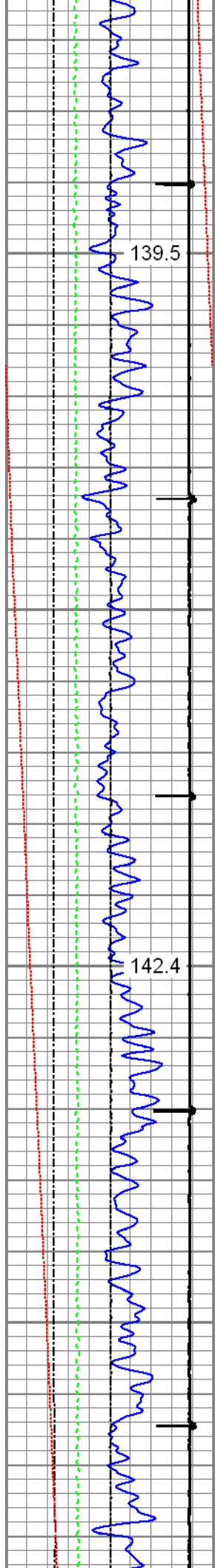










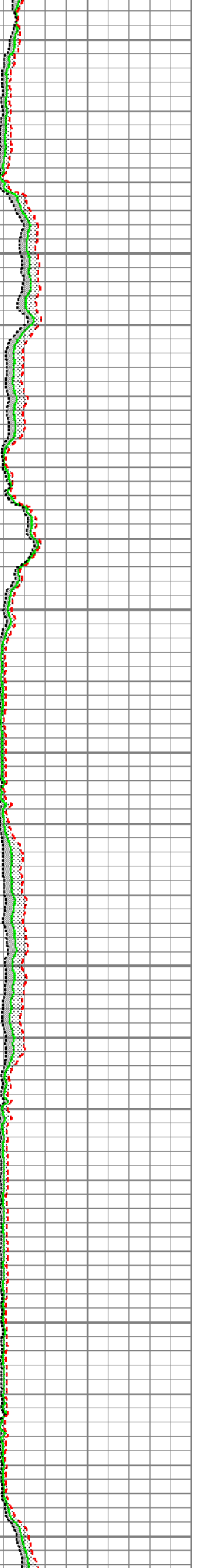
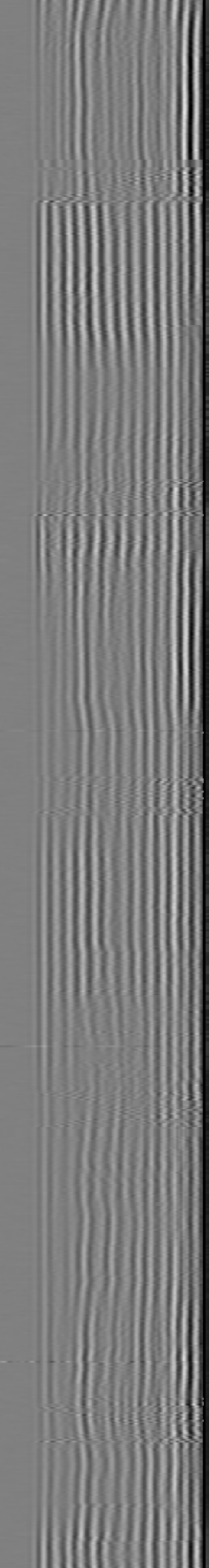
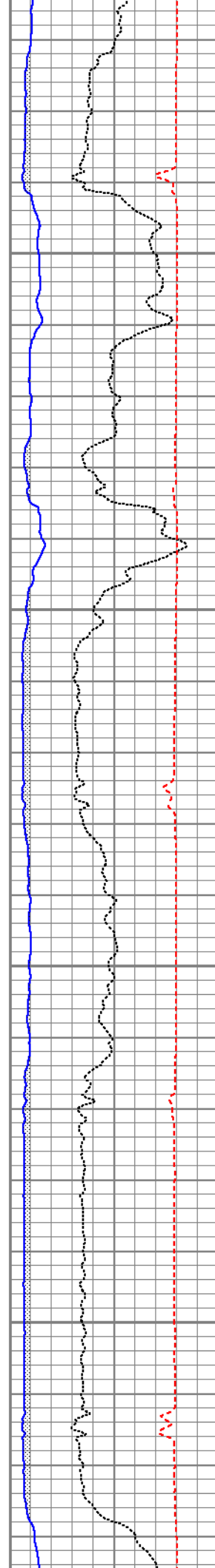


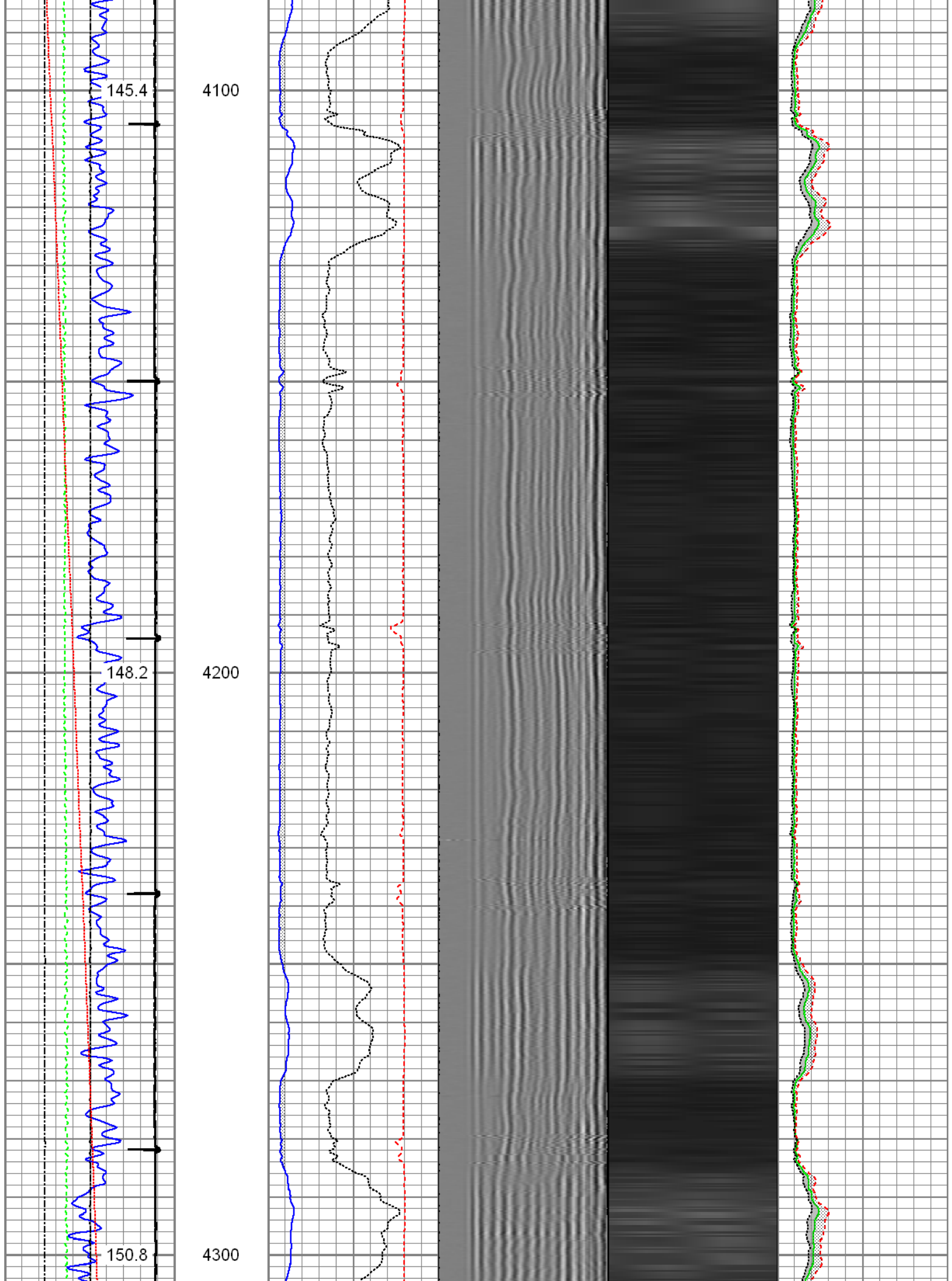
139.5

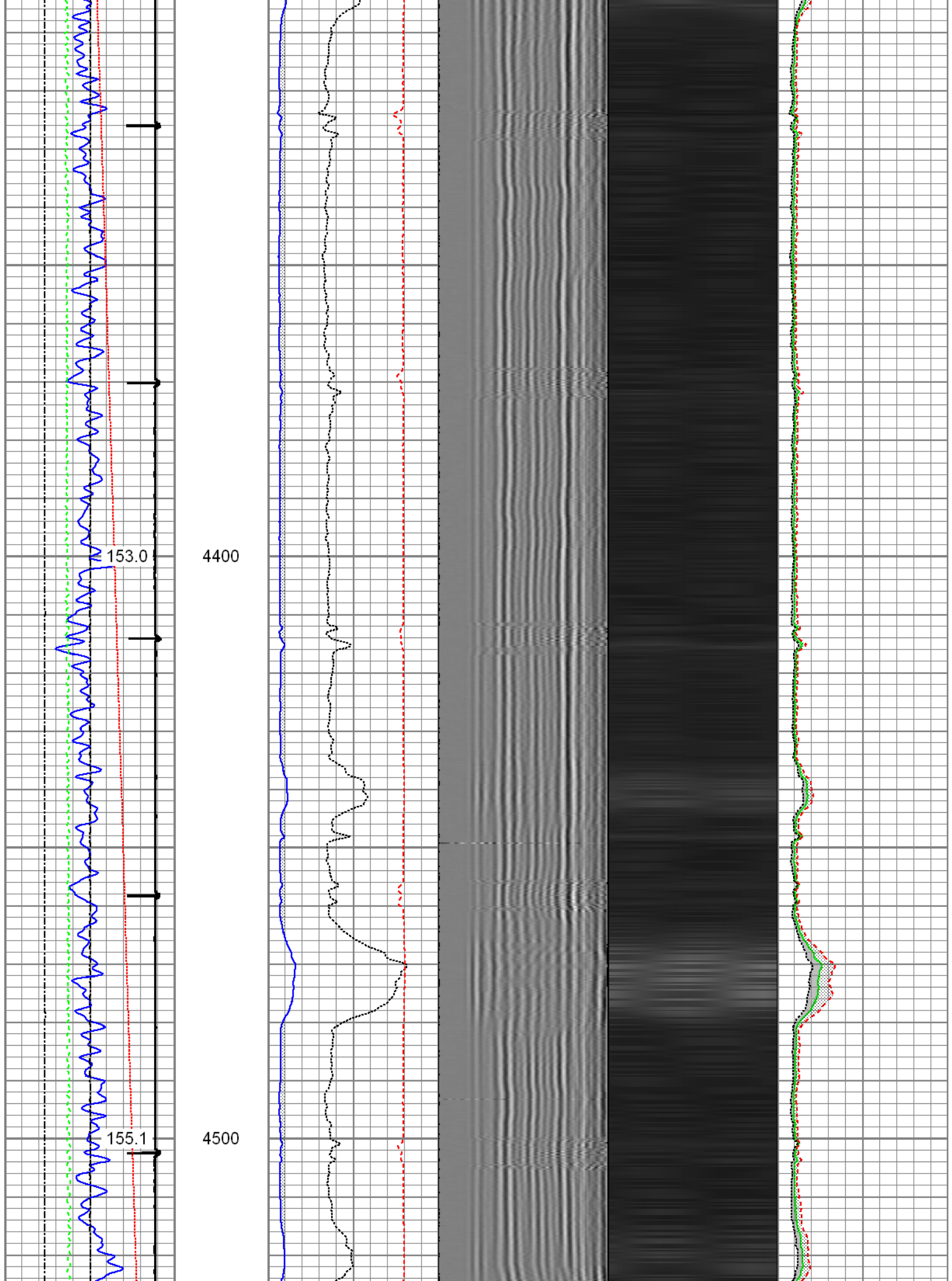
3900

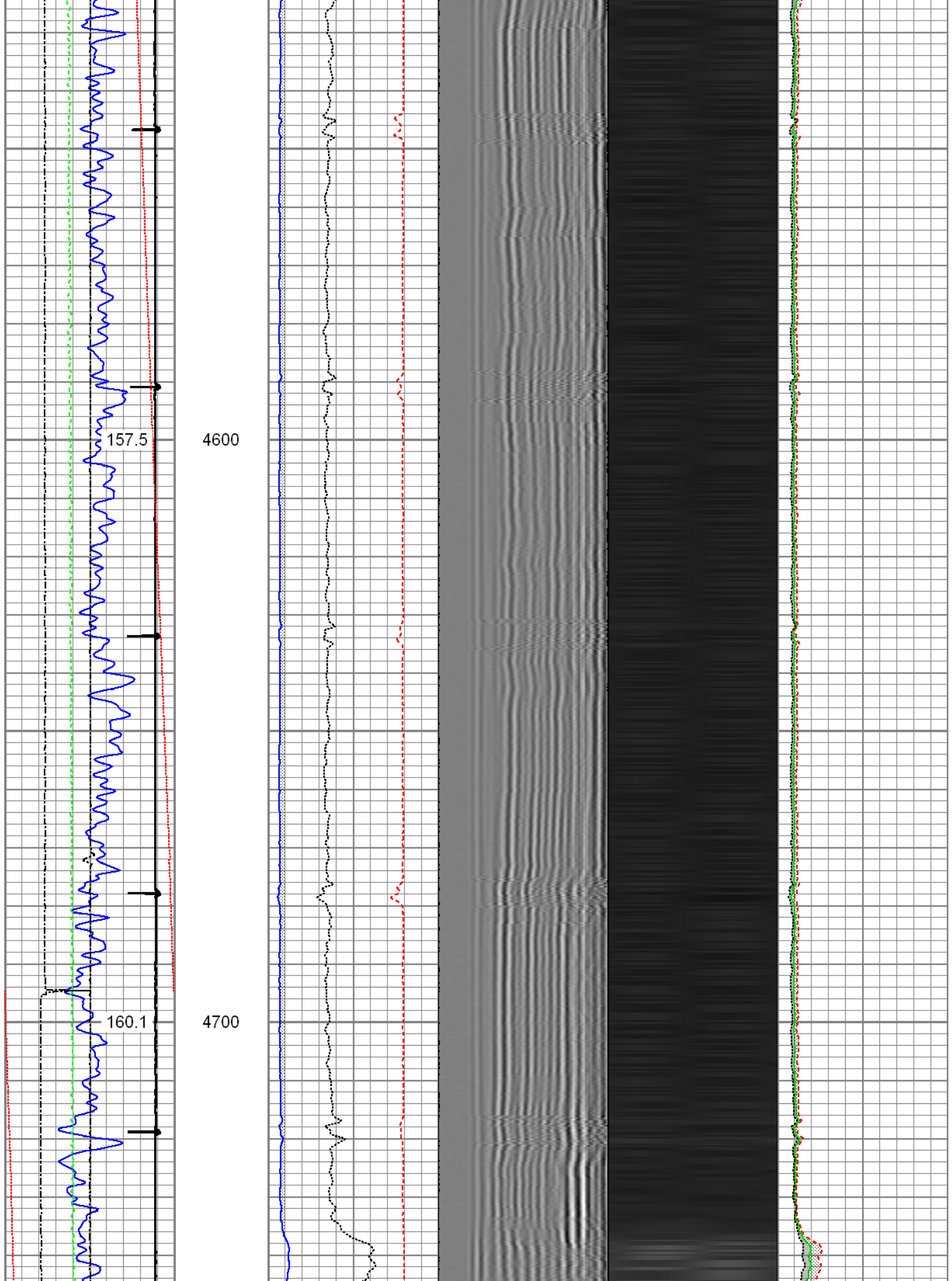
142.4

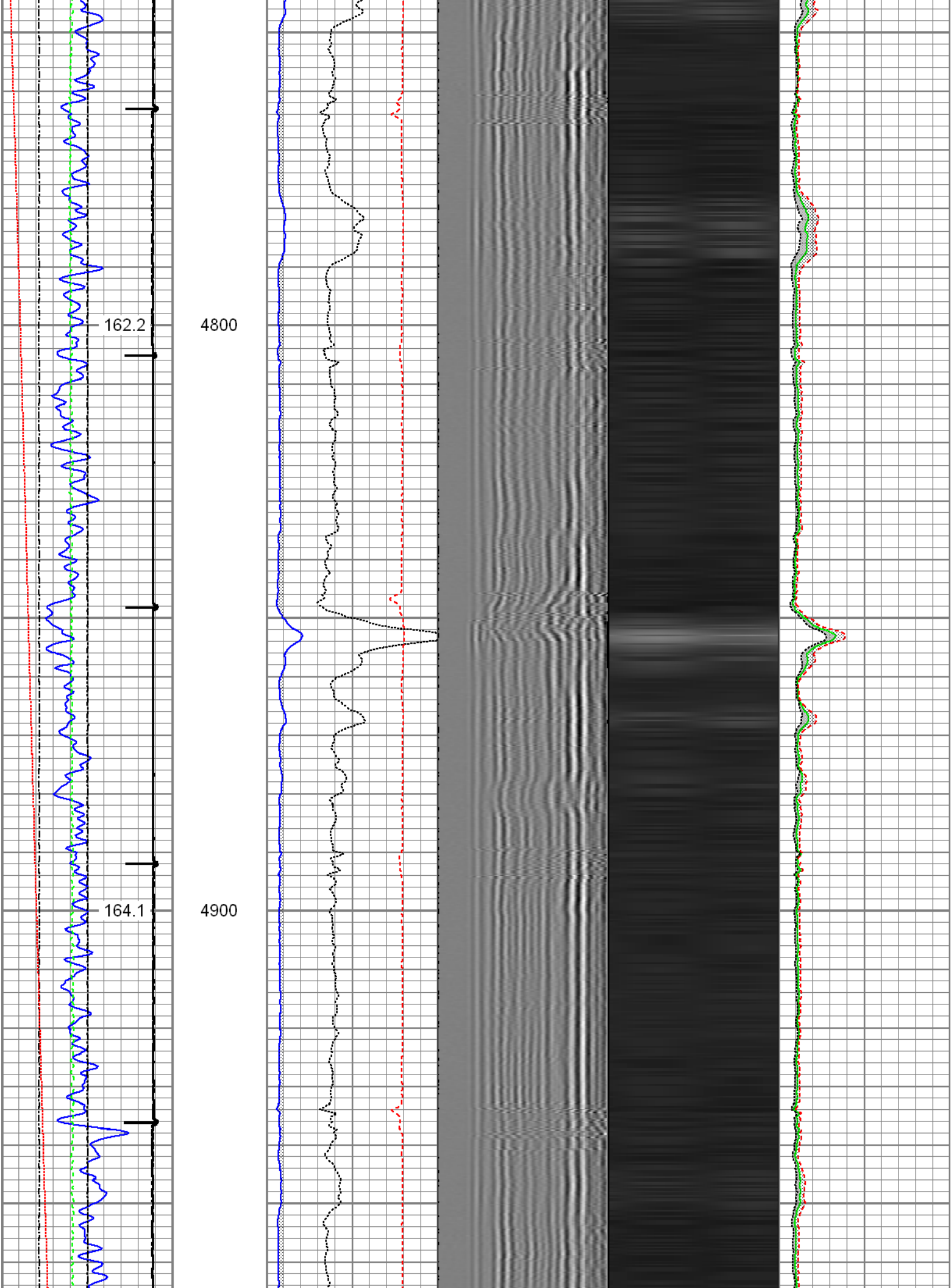
4000

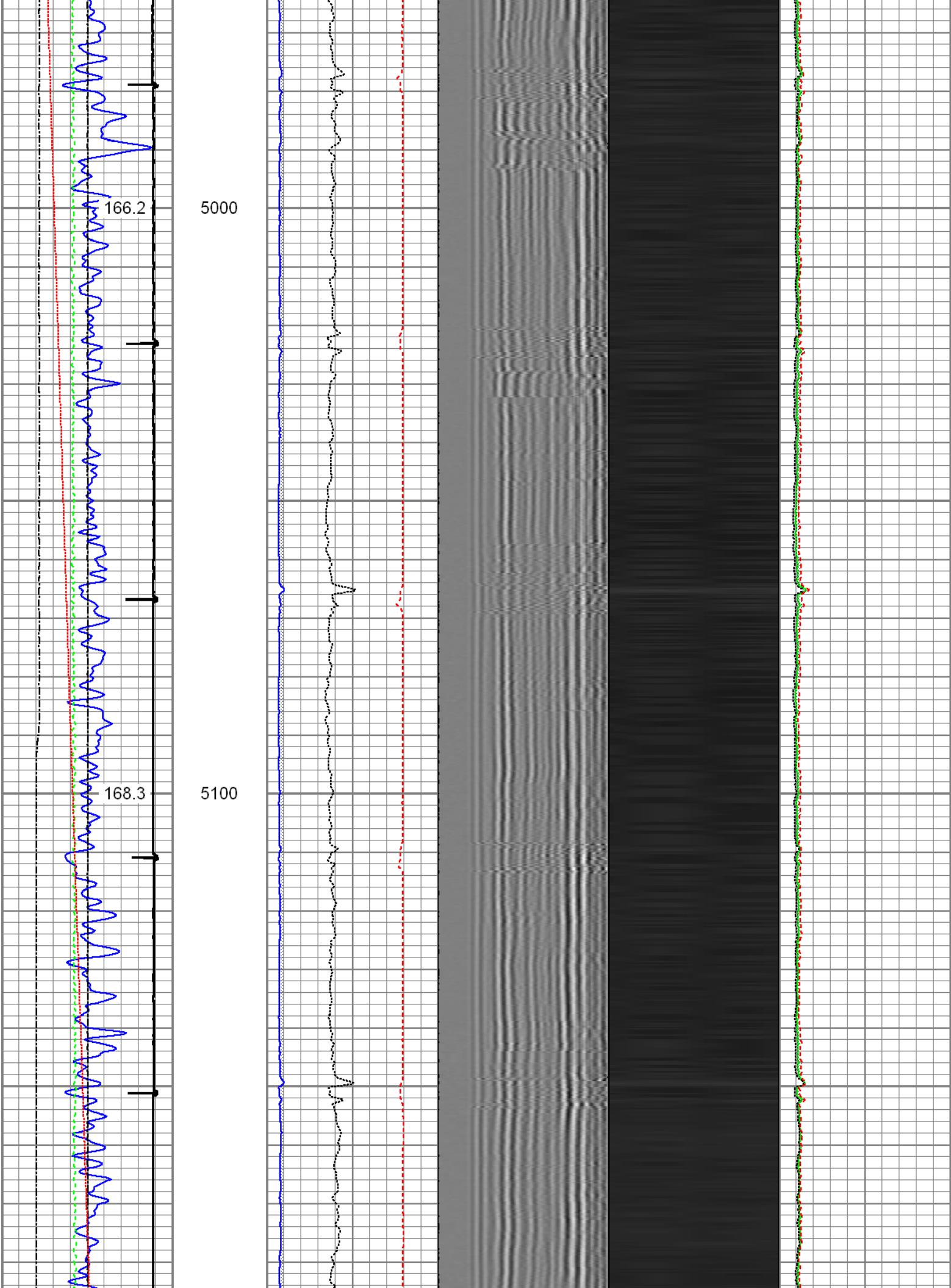


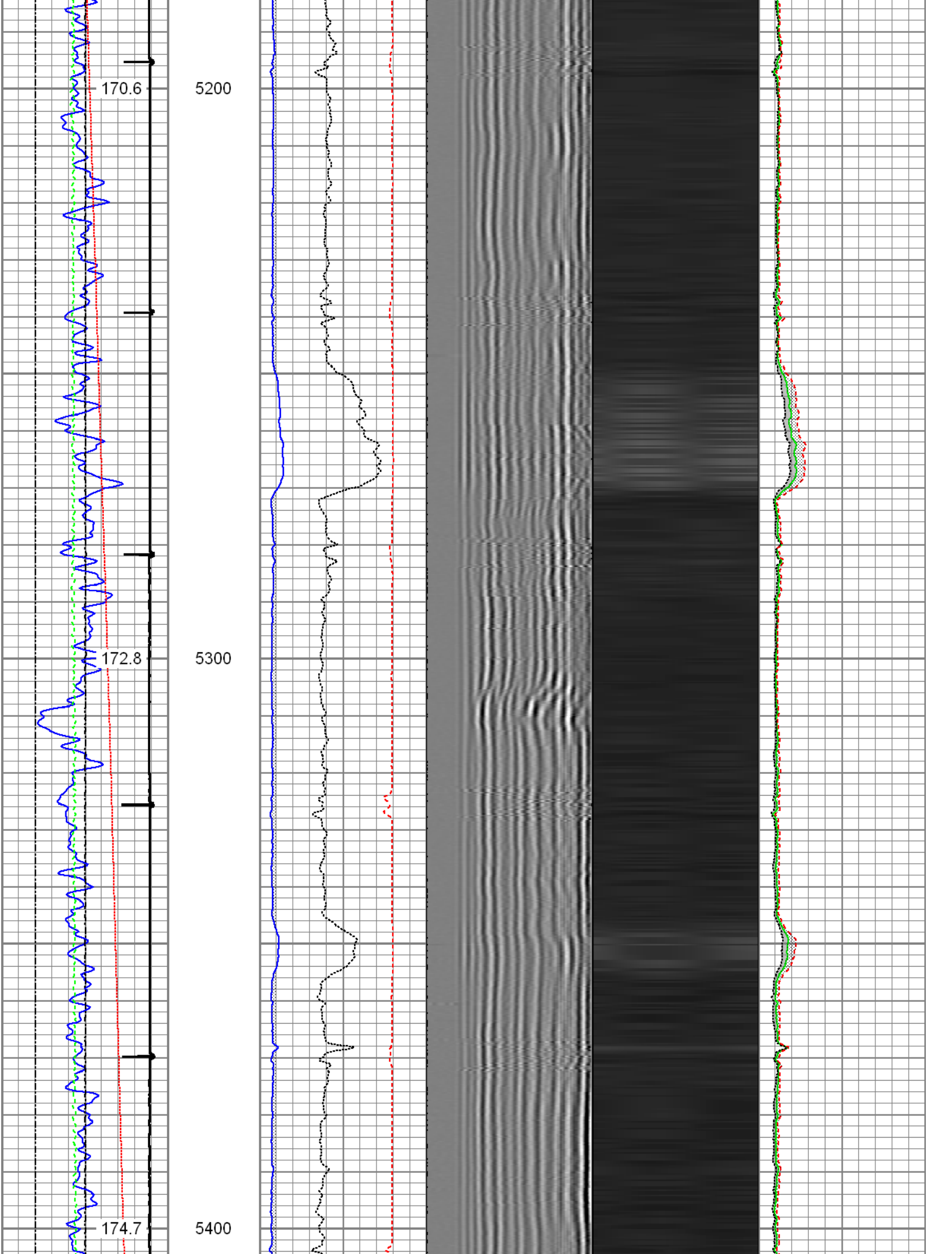


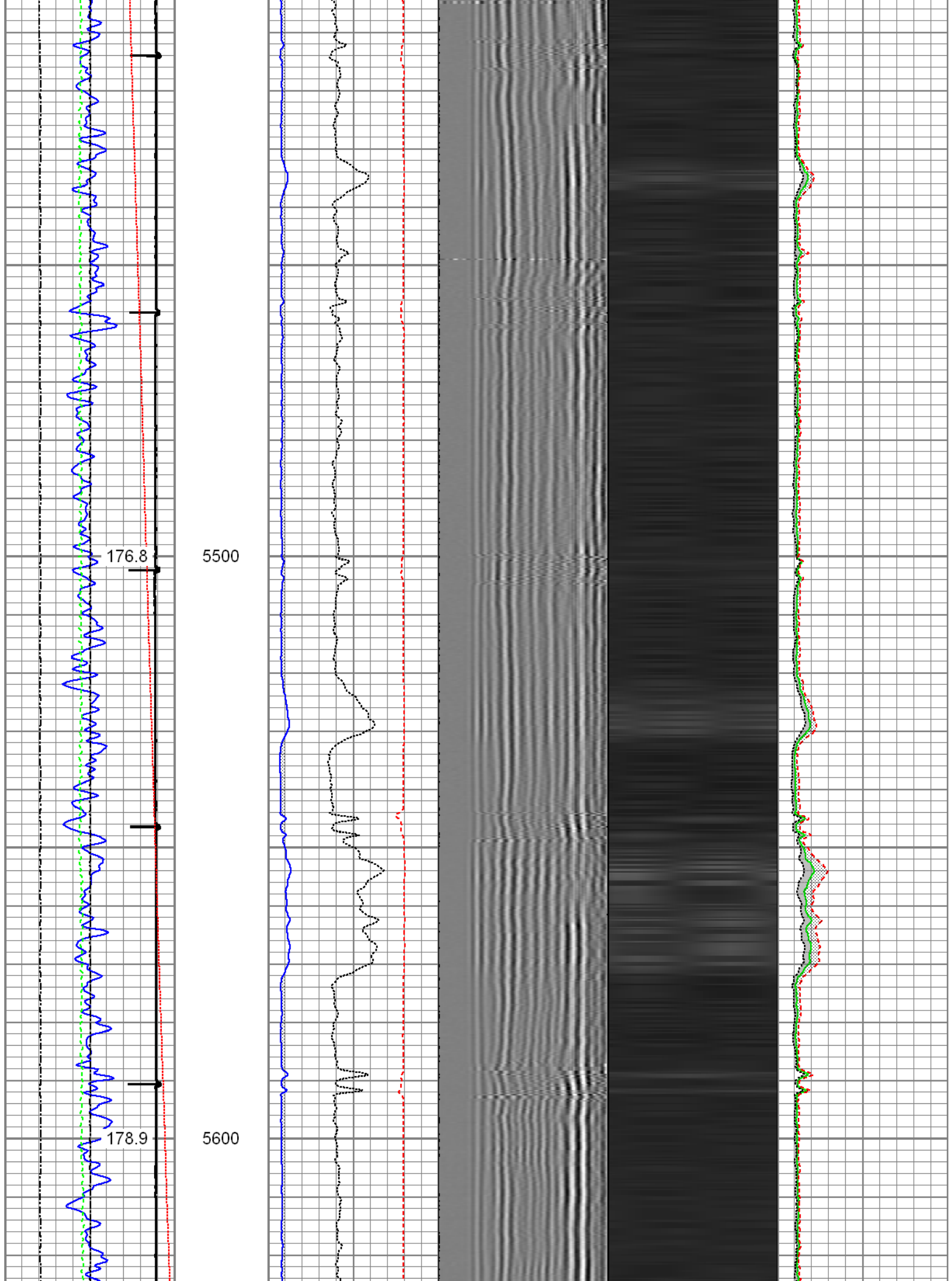


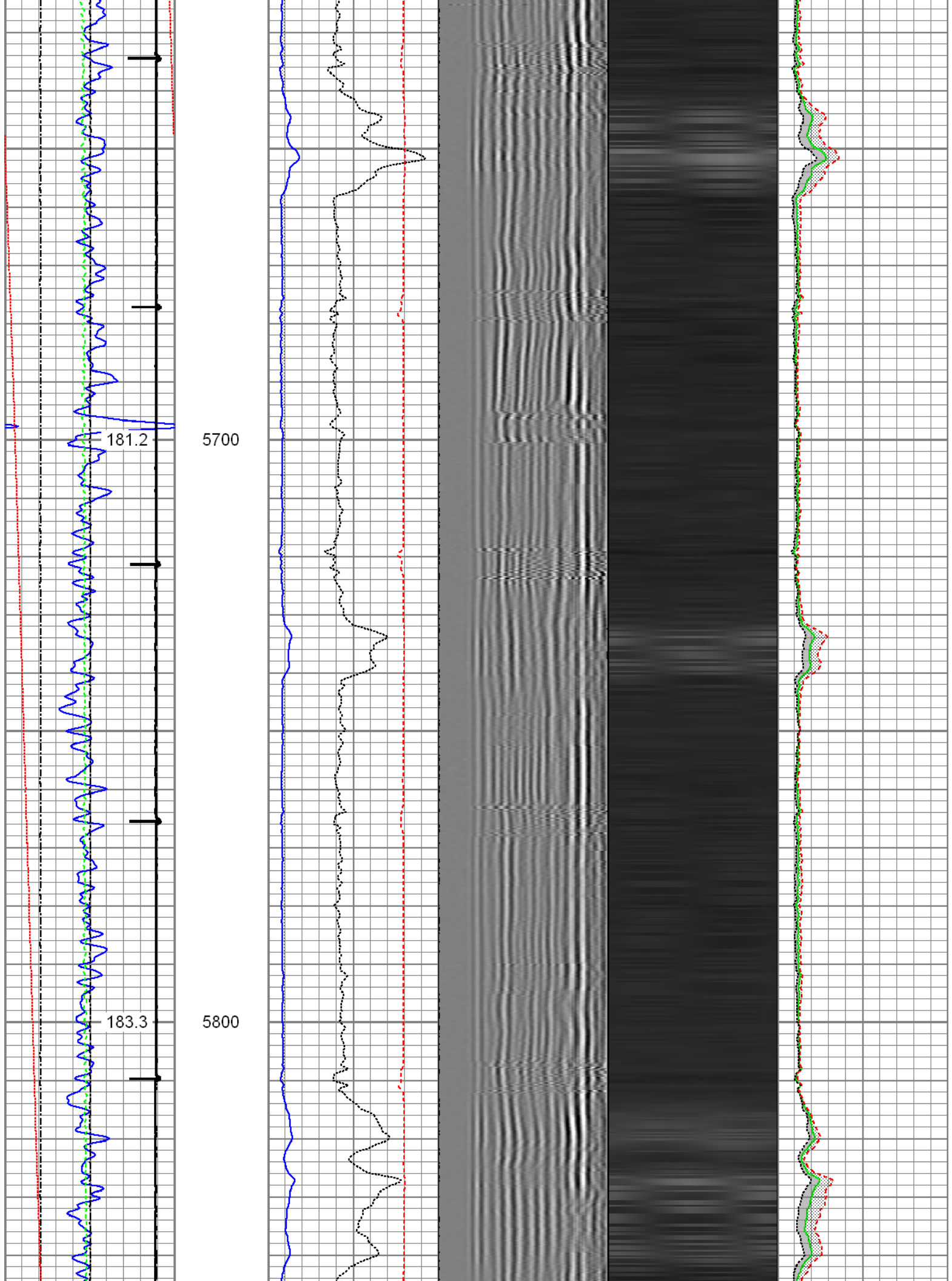


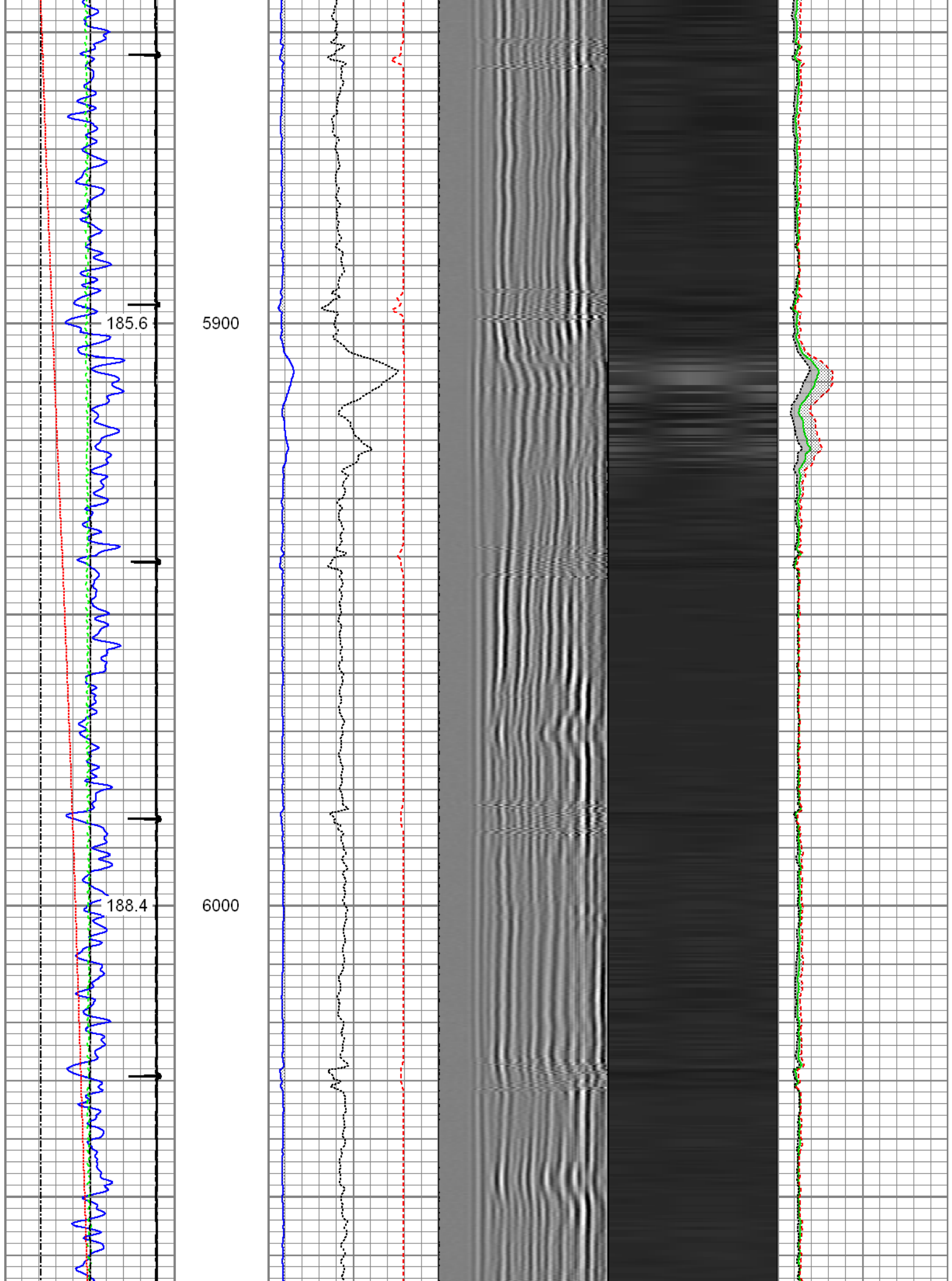


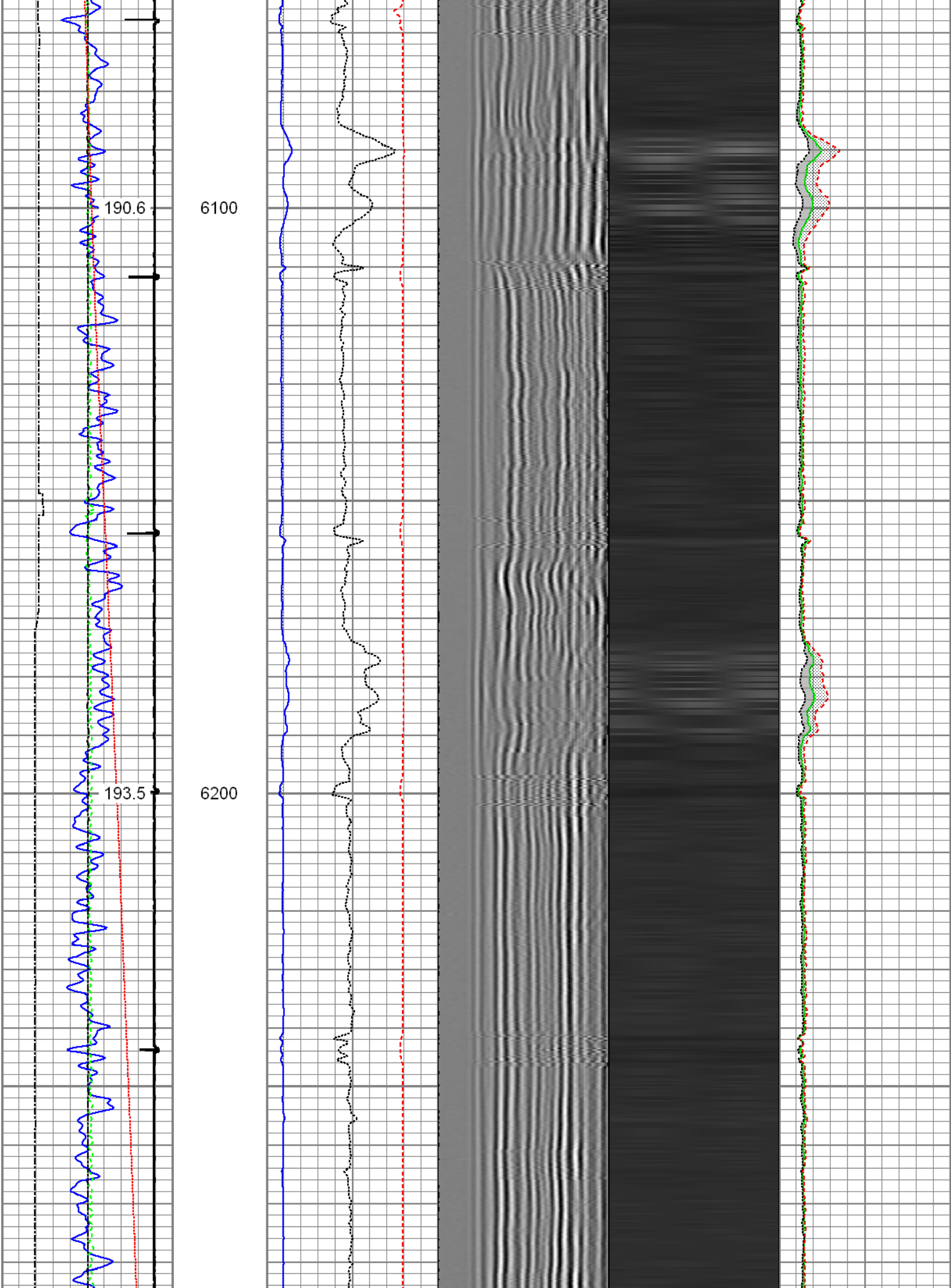


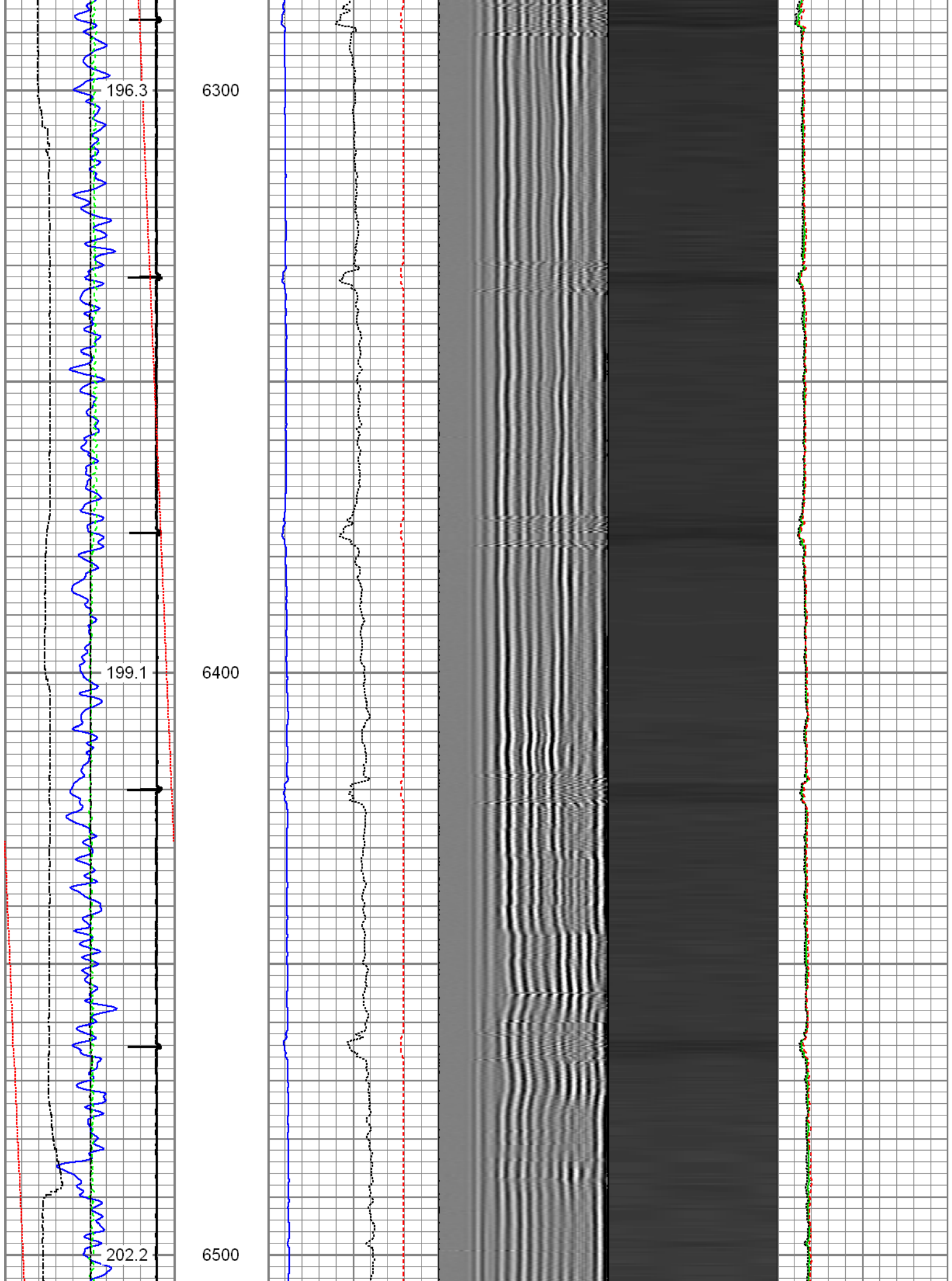


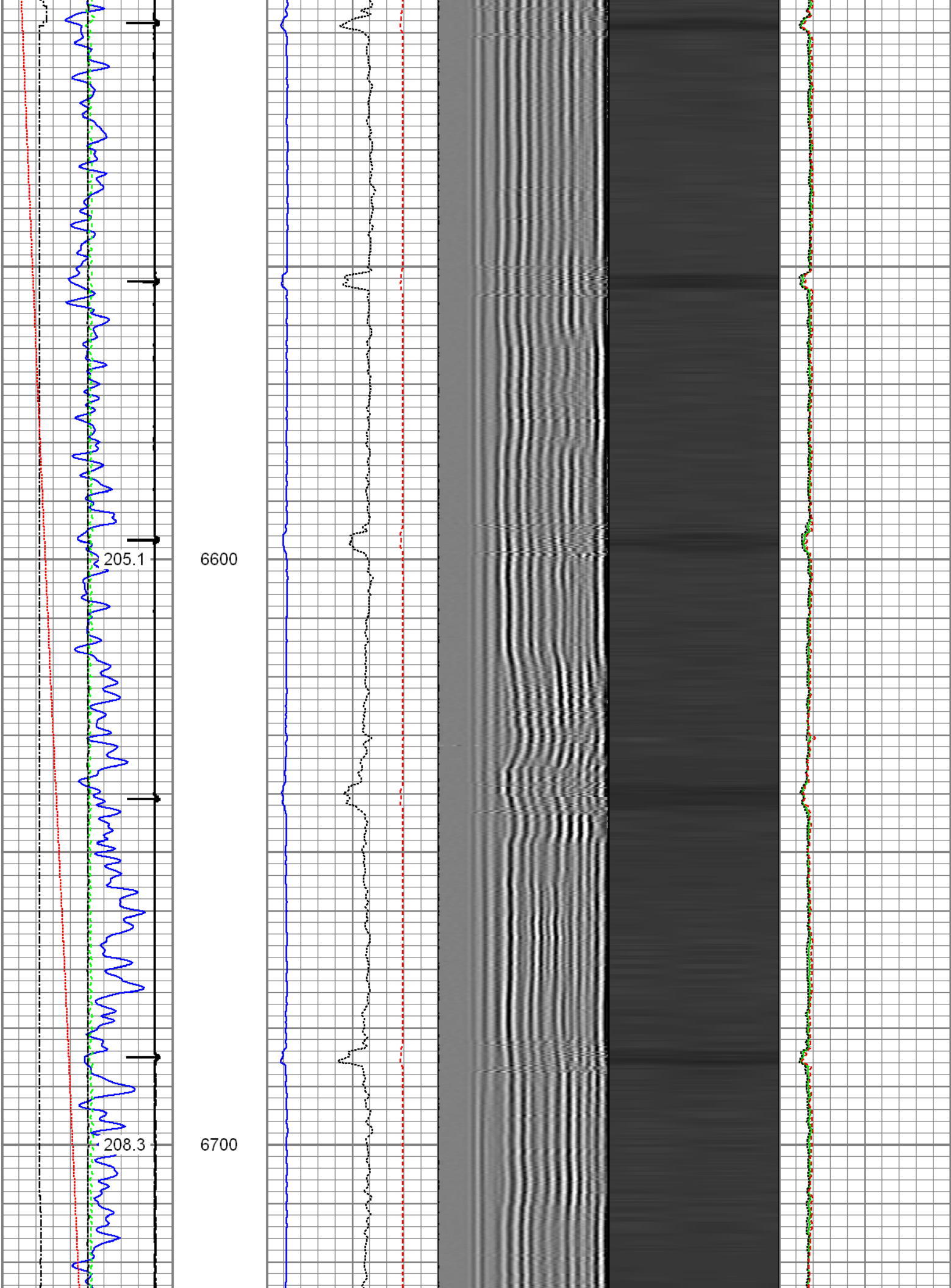


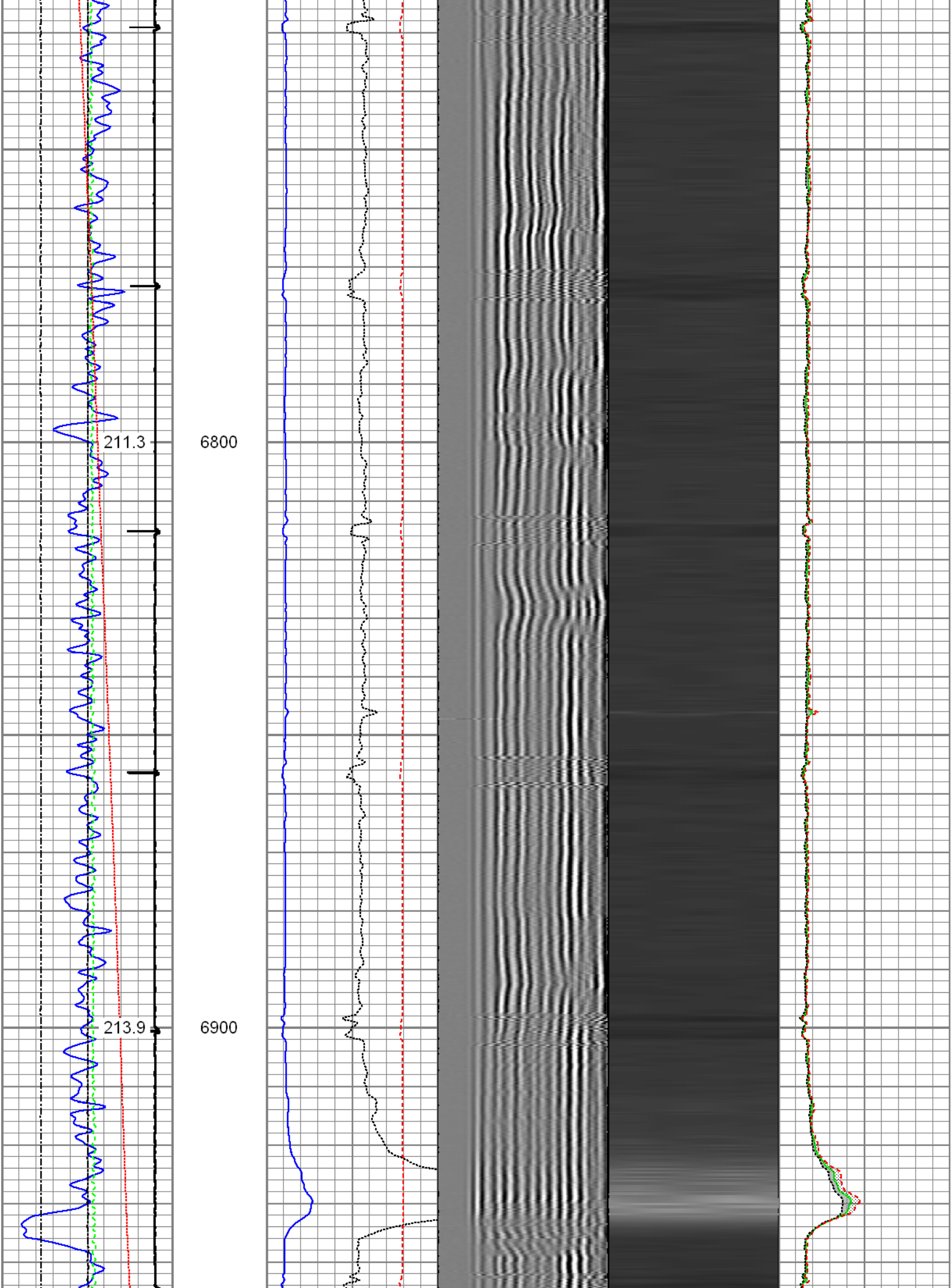


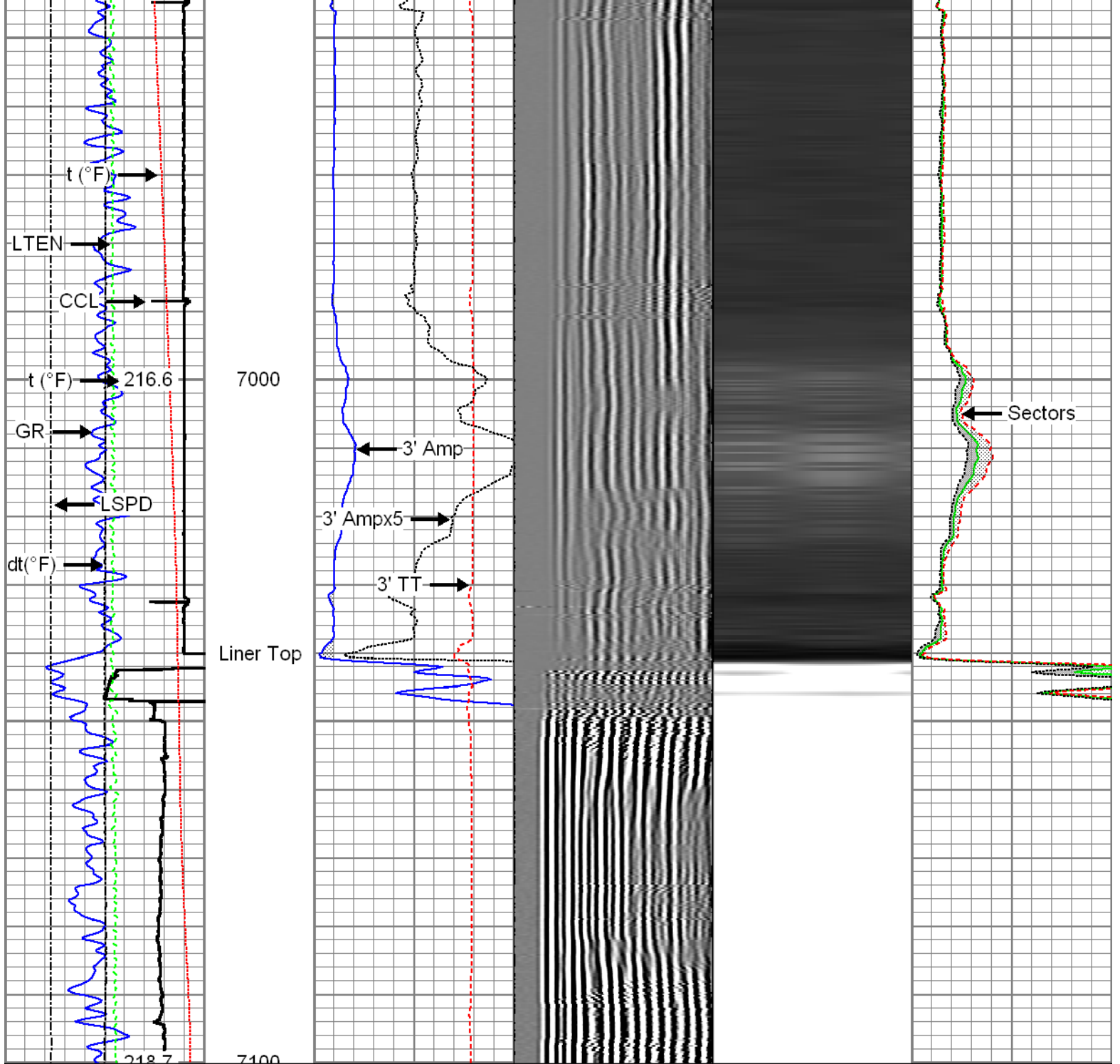












Gamma Ray (GAPI)	0	120
Casing Collar Locator		
Line Speed (ft/min)	-100	100
Line Tension (lb)	0	2000
Differential Temperature (degF)	-2	2
Temperature (degF)	0	20

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

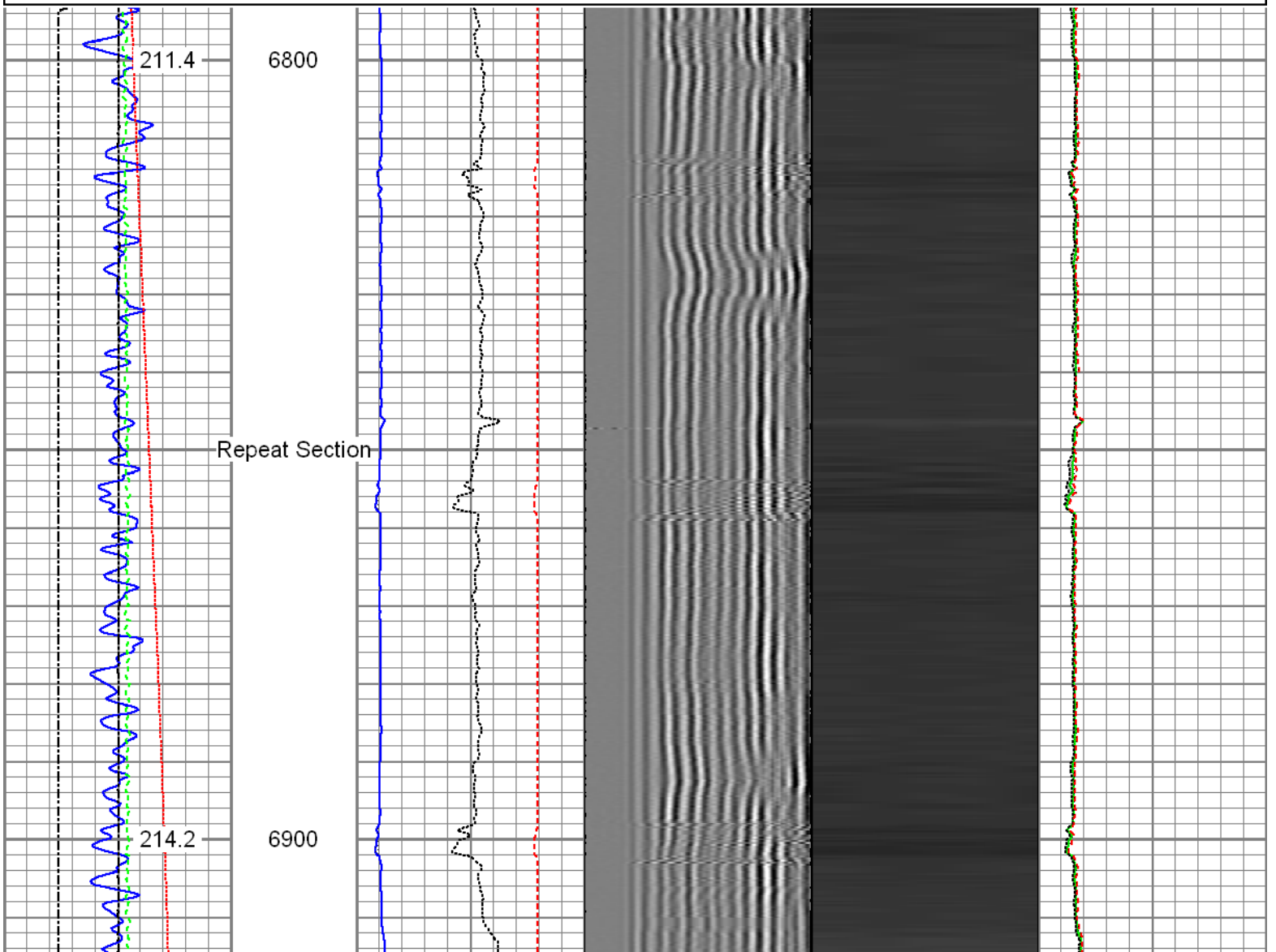
5' Variable Density Log	200	1200
-------------------------	-----	------

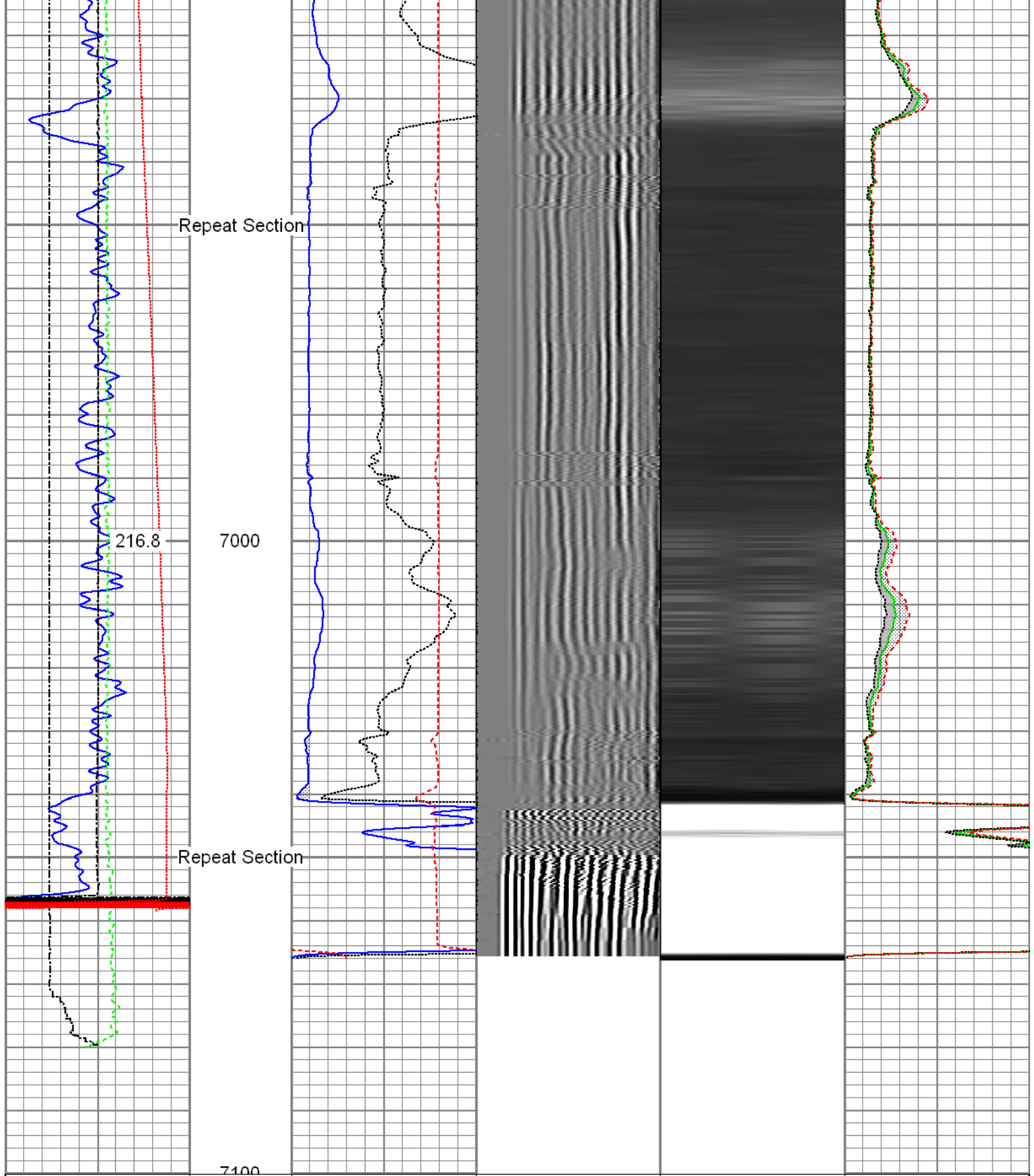
Sector Map	
------------	--

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

Database File: c:\warrior\data\anadarko\_hunziker 1n-28hz\0512340844\_anadarko\_hunziker 1n-28hz\_06-17-15\_mit\_r  
 Dataset Pathname: repeat  
 Presentation Format: rbt4\_mit  
 Dataset Creation: Wed Jun 17 07:40:05 2015 by Log 7.0 B1  
 Charted by: Depth in Feet scaled 1:240

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





Gamma Ray	0	120
(GAPI)		
Line Speed	-100	100
(ft/min)		
Line Tension	0	2000
(lb)		
Differential Temperature		

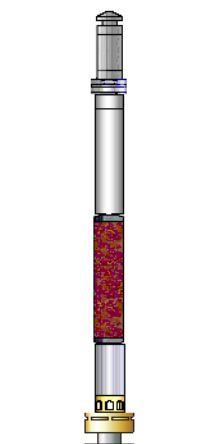
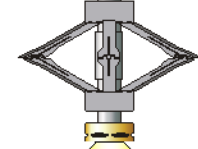
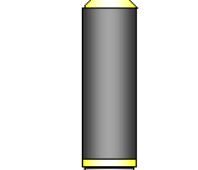
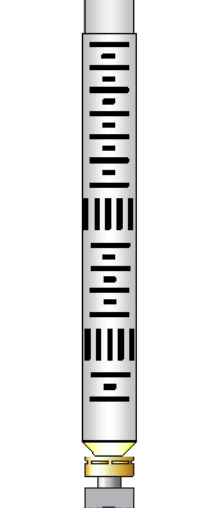
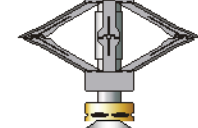
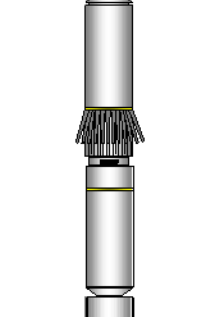
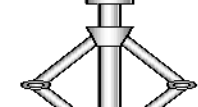
3' Amplitude	0	100
(mV)		
3' Amplitude x 5	0	20
(mV)		
3' Travel Time	650	150
(usec)		

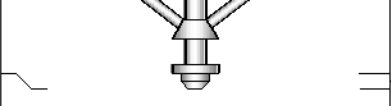
5' Variable Density Log	200	1200
-------------------------	-----	------

Sector Map	
------------	--

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

-2	(degF)	2
Temperature		
0	(degF)	20

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
			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_XTU-UW_XTU_002 (218874) Crossover Ultrawire Toolbus to Ultralink	1.58	1.69	6.50
			UW_PGR-UW_PGR_020 (10013899) Production Gamma Ray	1.93	1.69	9.50
TEMP	22.45		UW_PRT-UW_PRT_016 (10025100) Platinum Resistance Thermometer	1.04	1.69	5.20
			UW_PRC-DSSRAC (080) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
WV3FT	15.42		UW_RBT-UW_RBT_004 (1066) Sondex Ultrawire 3-1/8" Radial Bond Tool	9.47	3.13	140.00
WVFS1	15.42					
WVFS2	15.42					
WVFS3	15.42					
WVFS4	15.42					
WVFS5	15.42					
WVFS6	15.42					
WVFS7	15.42					
WVFS8	15.42					
CBLTEMP	15.42					
CBLROT	15.42					
WV5FT	14.42					
			UW_PRC-DSSRAC (083) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
MIT	5.41		UW_MIT-UW_MIT40_042 (10014703) 40 Multifinger Imaging Tool	4.54	2.75	61.10
			UW_PRC #4 -UW_PRC_057 (1038) Sondex 2-3/4" 4-Arm Production Roller Centralizer	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: 0512340844_anadarko_hunziker 1n-28hz_06-17-15_mit_rbl.db: field/well/run1/main Total Length: 28.32 ft Total Weight: 329.50 lb O.D.: 3.13 in						

<b>Calibration Report</b>	
Database File:	c:\warrior\data\anadarko_hunziker 1n-28hz\0512340844_anadarko_hunziker 1n-28hz_06-17-15_mit_rbl
Dataset Pathname:	main
Dataset Creation:	Wed Jun 17 07:51:51 2015 by Log 7.0 B1

<b>Multi-finger Imaging Tool Calibration Report</b>	
Serial Number:	10014703
Number of Fingers:	40
Tool Model:	UW_MIT40_042

<b>Inclinometer Calibration Report</b>		
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	

<b>Finger Calibration Report</b>							
				Performed: Wed Jun 17 07:09:32 2015			
Ring size:	4	5	6	7			
(in)		Sens	Sens	Sens			
Finger 01:	1088	373.0	1461 384.0	1845 404.0	2249		
Finger 02:	1045	383.0	1428 403.0	1831 423.0	2254		
Finger 03:	1062	373.0	1435 389.0	1824 410.0	2234		
Finger 04:	992	383.0	1375 412.0	1787 437.0	2224		
Finger 05:	1018	366.0	1384 383.0	1767 402.0	2169		
Finger 06:	1015	383.0	1398 397.0	1795 417.0	2212		
Finger 07:	1014	379.0	1393 391.0	1784 408.0	2192		
Finger 08:	988	385.0	1373 405.0	1778 425.0	2203		
Finger 09:	1057	389.0	1446 393.0	1839 399.0	2238		
Finger 10:	1019	382.0	1401 394.0	1795 409.0	2204		
Finger 11:	1001	383.0	1384 396.0	1780 423.0	2203		
Finger 12:	1082	378.0	1460 378.0	1838 376.0	2214		
Finger 13:	1029	376.0	1405 393.0	1798 410.0	2208		
Finger 14:	1008	388.0	1396 408.0	1804 421.0	2225		
Finger 15:	967	382.0	1349 412.0	1761 429.0	2190		
Finger 16:	1025	374.0	1399 399.0	1798 416.0	2214		
Finger 17:	1058	370.0	1428 389.0	1817 398.0	2215		
Finger 18:	1090	373.0	1463 390.0	1853 400.0	2253		
Finger 19:	1056	374.0	1430 397.0	1827 411.0	2238		
Finger 20:	977	368.0	1345 407.0	1752 423.0	2175		
Finger 21:	1075	362.0	1437 394.0	1831 406.0	2237		
Finger 22:	1059	366.0	1425 396.0	1821 412.0	2233		
Finger 23:	1099	368.0	1467 394.0	1861 412.0	2273		
Finger 24:	1070	336.0	1406 366.0	1772 385.0	2157		
Finger 25:	1087	361.0	1448 400.0	1848 410.0	2258		
Finger 26:	1044	352.0	1396 393.0	1789 409.0	2198		

Finger 27:	1215	383.0	1598	385.0	1983	408.0	2391
Finger 28:	1091	344.0	1435	380.0	1815	405.0	2220
Finger 29:	1040	352.0	1392	394.0	1786	418.0	2204
Finger 30:	1028	353.0	1381	402.0	1783	423.0	2206
Finger 31:	1239	388.0	1627	403.0	2030	424.0	2454
Finger 32:	1014	354.0	1368	379.0	1747	409.0	2156
Finger 33:	1111	388.0	1499	402.0	1901	436.0	2337
Finger 34:	985	355.0	1340	386.0	1726	422.0	2148
Finger 35:	1148	384.0	1532	407.0	1939	430.0	2369
Finger 36:	1062	348.0	1410	372.0	1782	403.0	2185
Finger 37:	1133	385.0	1518	404.0	1922	430.0	2352
Finger 38:	1096	363.0	1459	379.0	1838	406.0	2244
Finger 39:	1086	355.0	1441	370.0	1811	397.0	2208
Finger 40:	991	383.0	1374	413.0	1787	445.0	2232

Segmented Cement Bond Log Calibration Report

Serial Number: 1066  
Tool Model: UW\_RBT\_004  
  
Calibration Casing Diameter: 7.000 in  
Calibration Depth: 20.002 ft

Master Calibration, performed Wed Jun 17 07:07:40 2015:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.005	0.693	0.800	62.165	89.222	0.375
5FT	-0.001	0.653	0.800	62.165	93.804	0.915
S1	0.005	0.666	0.000	100.000	151.278	-0.687
S2	0.004	0.677	0.000	100.000	148.546	-0.531
S3	0.004	0.686	0.000	100.000	146.485	-0.549
S4	0.004	0.701	0.000	100.000	143.310	-0.507
S5	0.004	0.705	0.000	100.000	142.671	-0.566
S6	0.004	0.712	0.000	100.000	141.101	-0.517
S7	0.004	0.715	0.000	100.000	140.752	-0.610
S8	0.005	0.688	0.000	100.000	146.440	-0.690

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: 10013899  
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	Hunziker 1N-28HZ
Field	Wattenberg
County	Weld
State	Colorado