

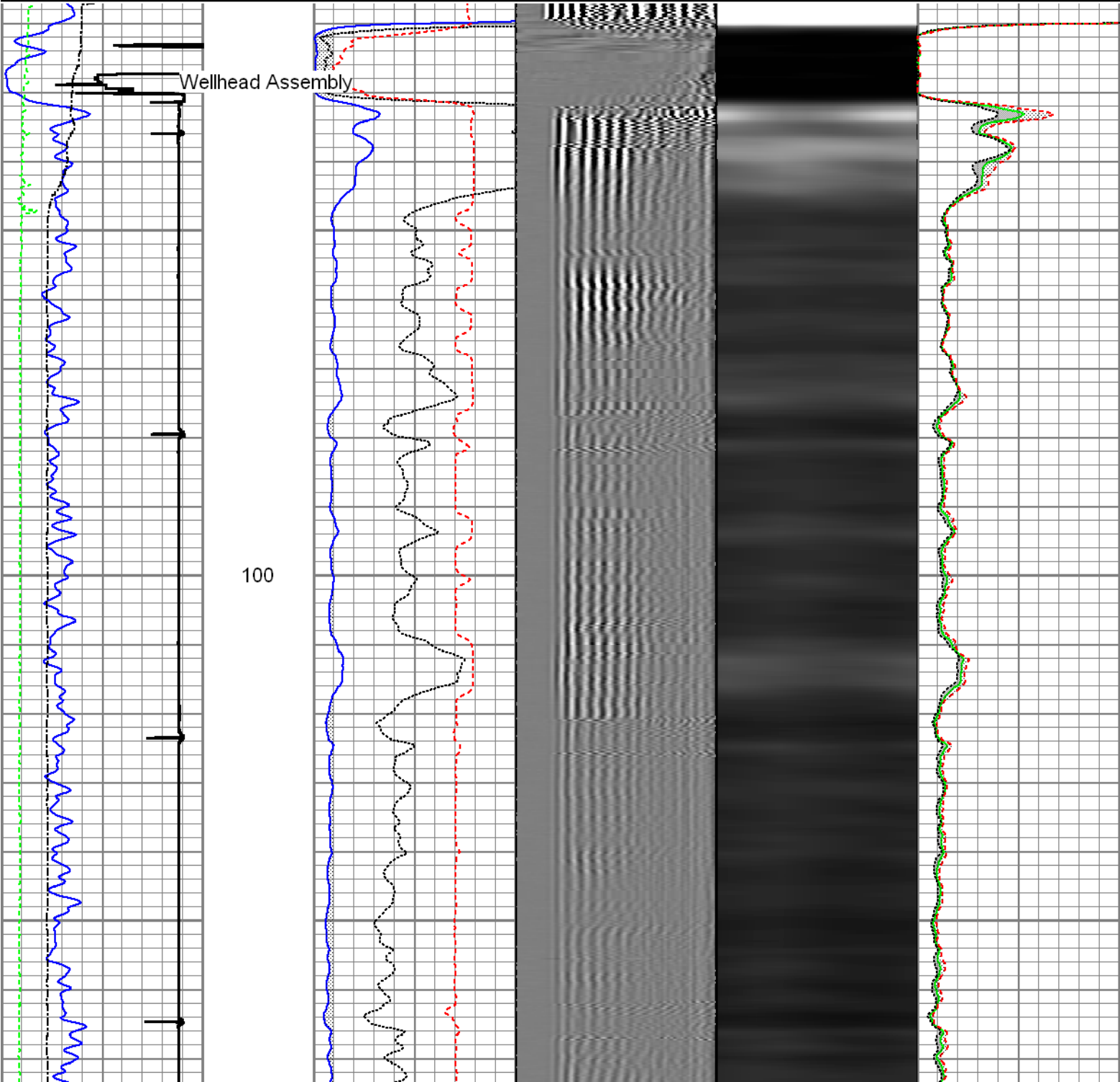


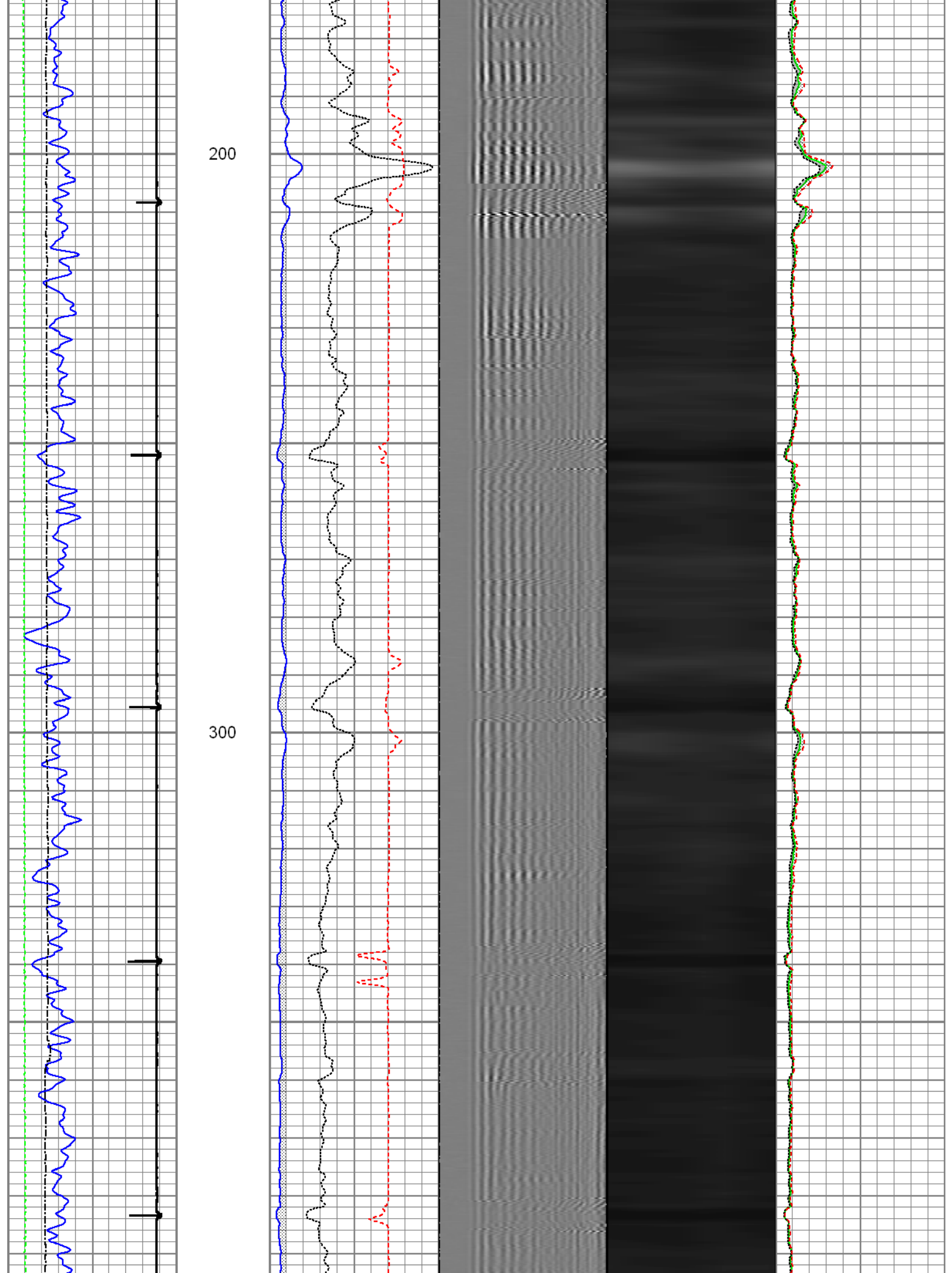
<<< Fold Here >>>
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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 7004 FT Adjusted log +13 FT to correlate with liner top Gauge Ring/Junk Basket ran to 7200 FT no debris was found after run No debris found on logging tools upon completion of run Thank you for choosing FMC Technologies Completion Services, Inc.!!

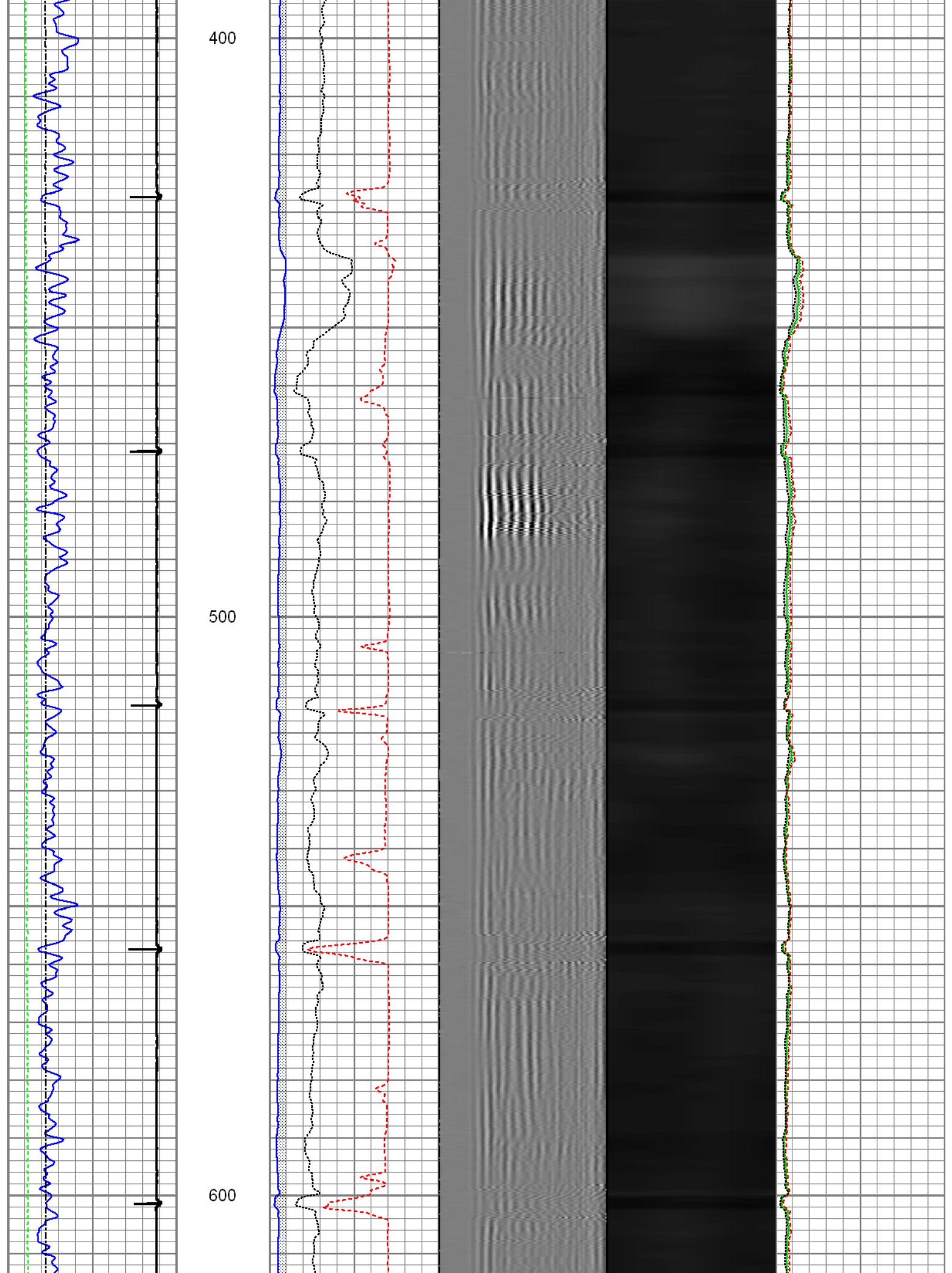


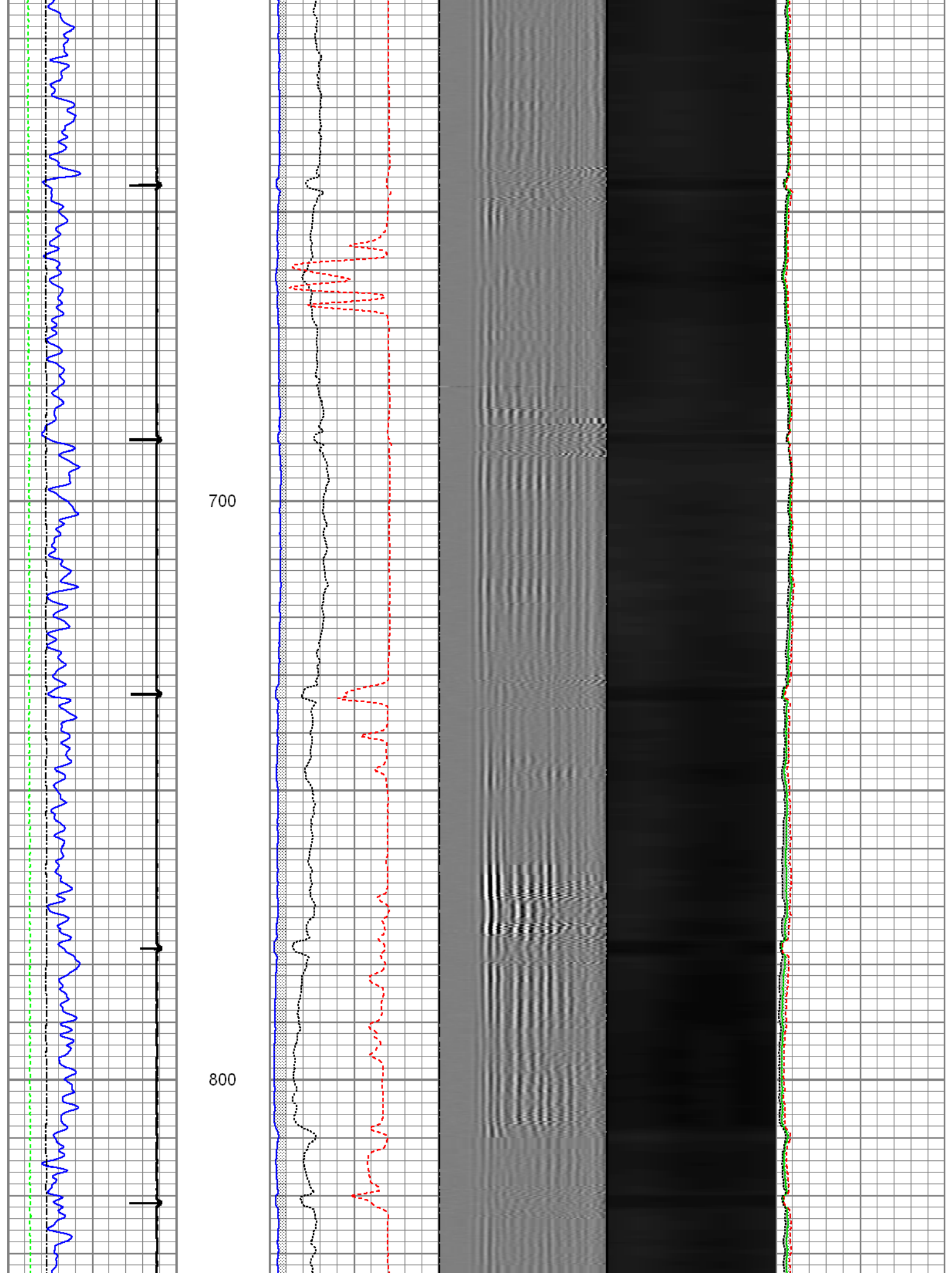
Database File: 0512340846_anadarko_hunziker 27n-28hz_06-15-15_mit_rbl.db
Dataset Pathname: pass5
Presentation Format: rbt4_mit
Dataset Creation: Mon Jun 15 14:07:26 2015 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

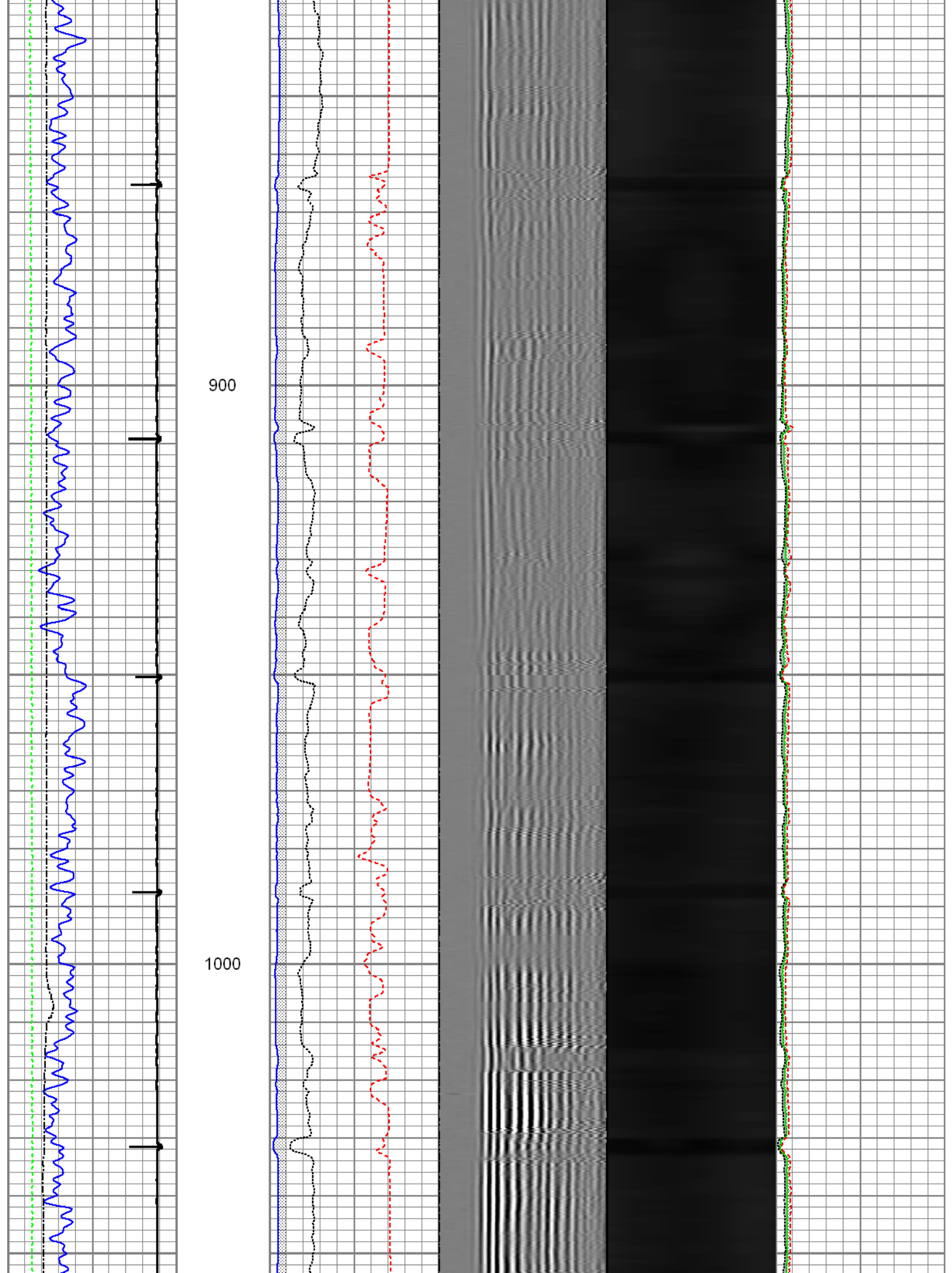
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
Line Speed	0 (mV) 20			0 100
-100 (ft/min) 100	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000				

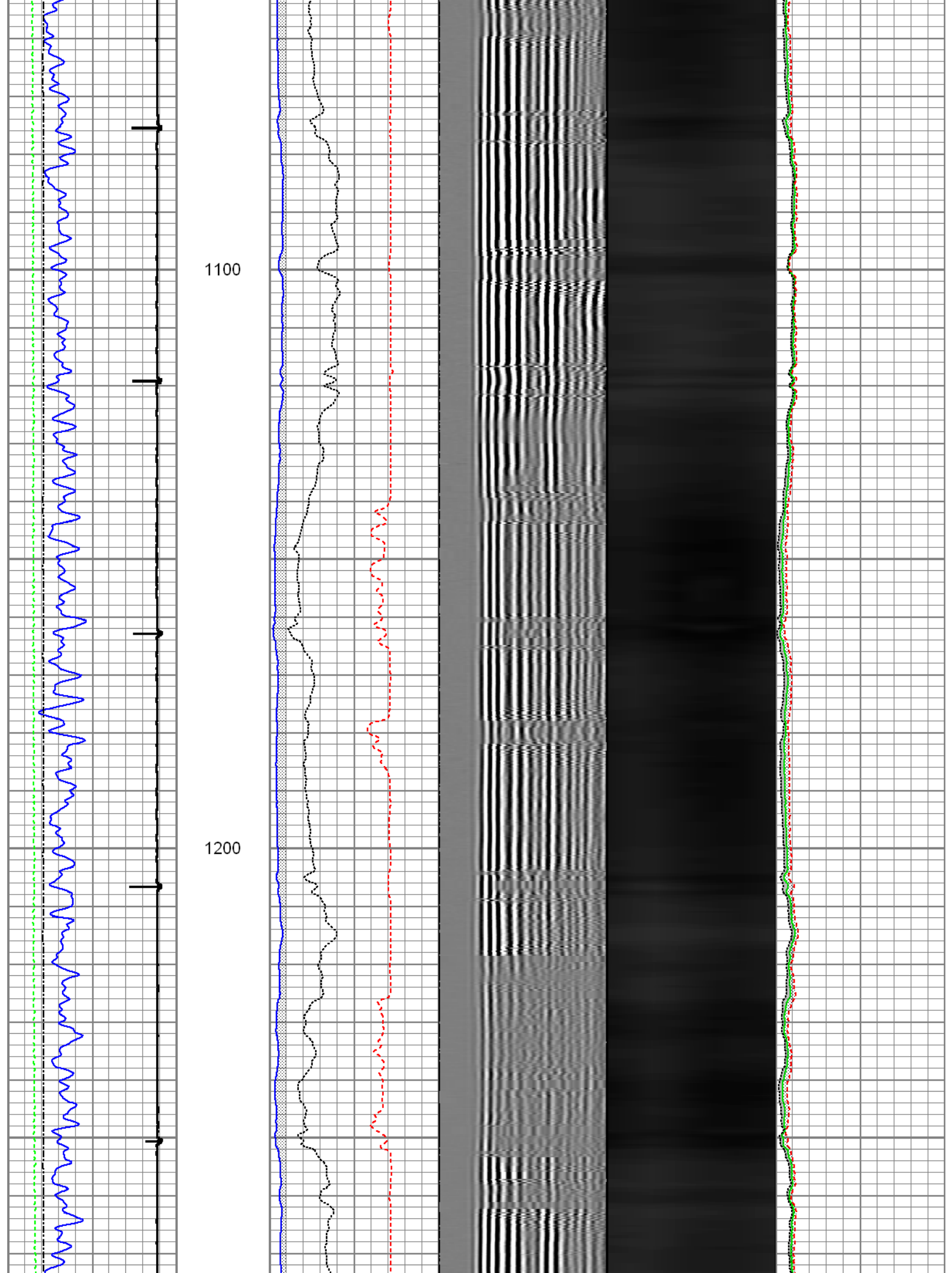


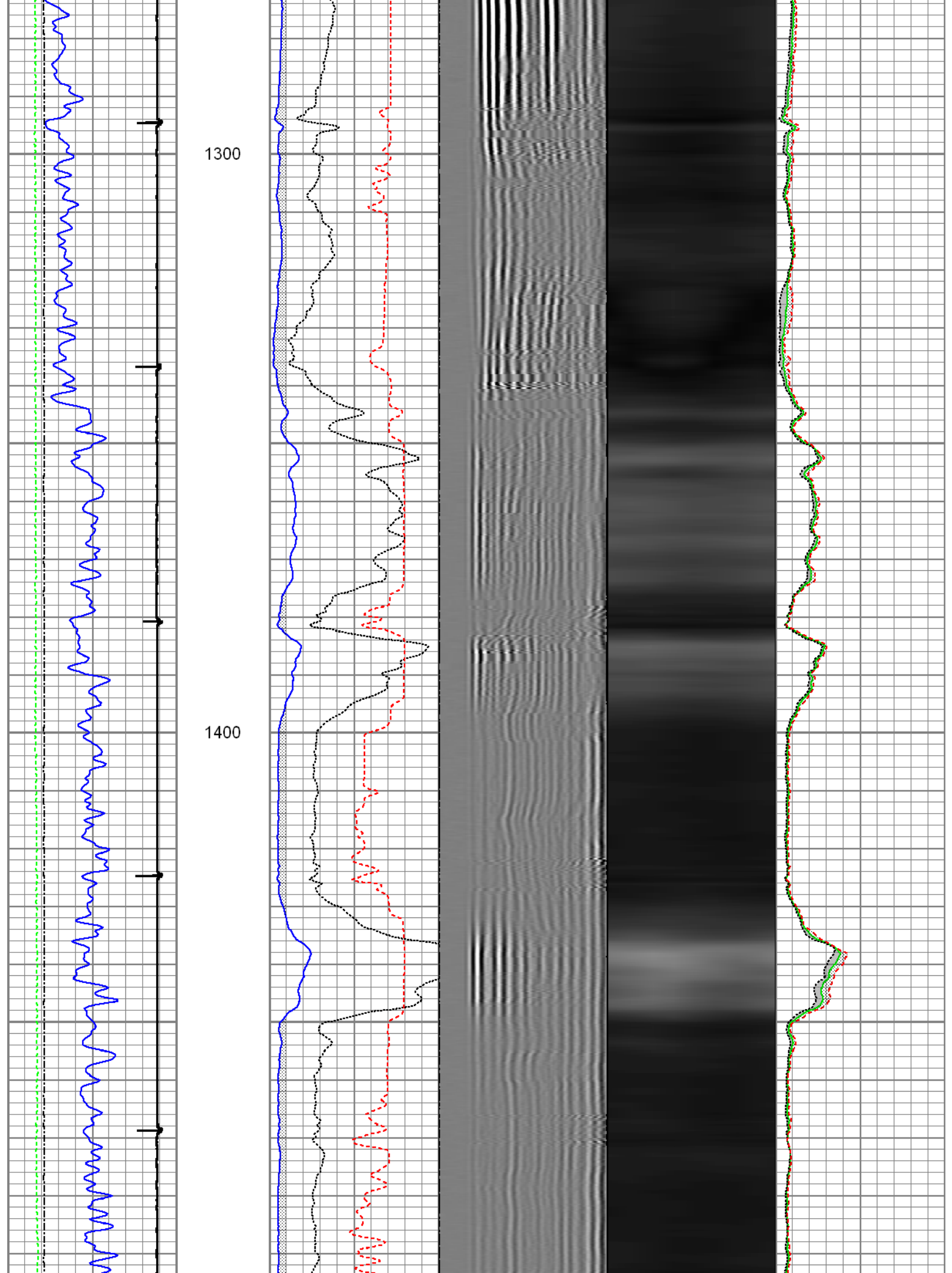


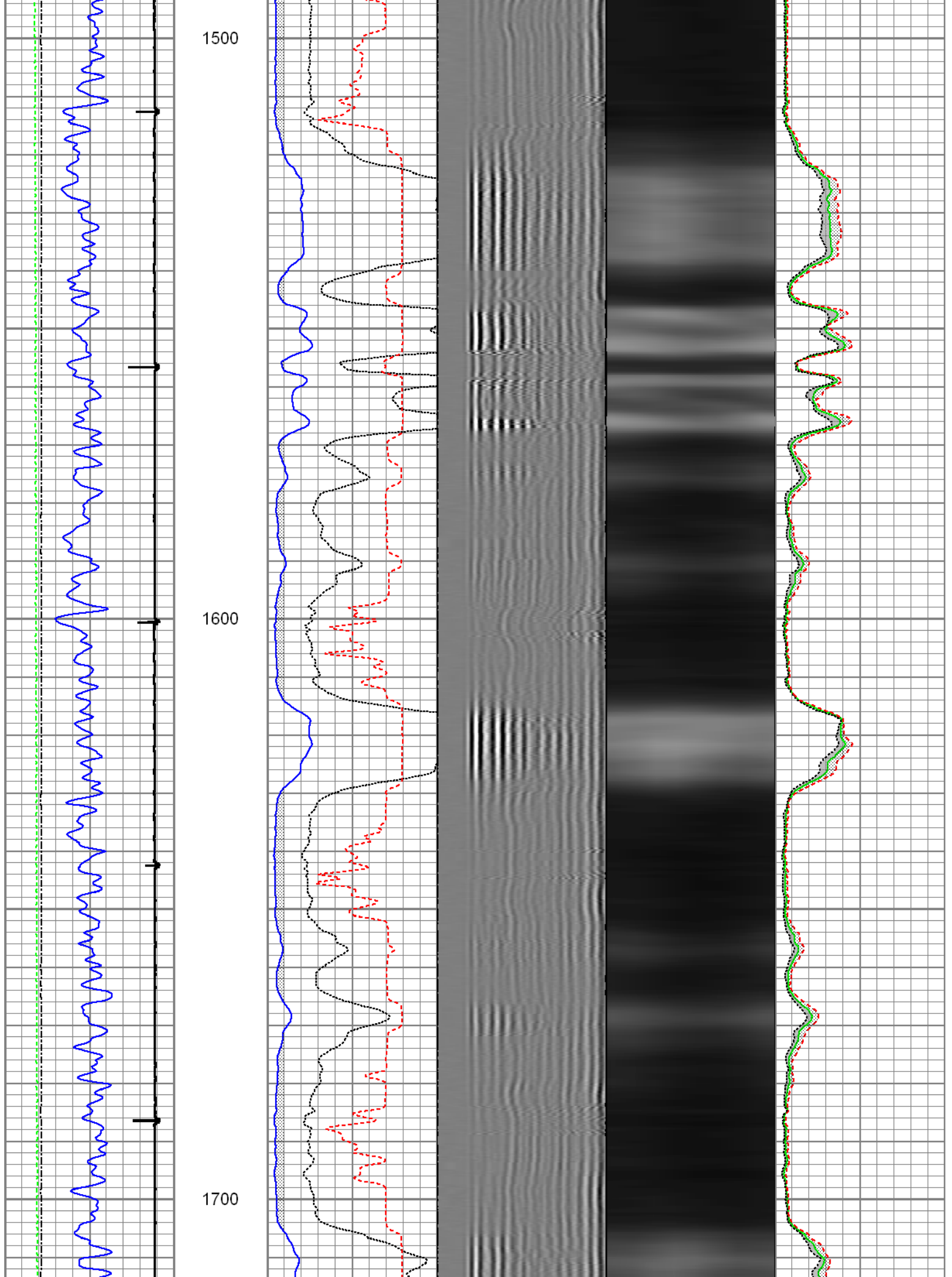


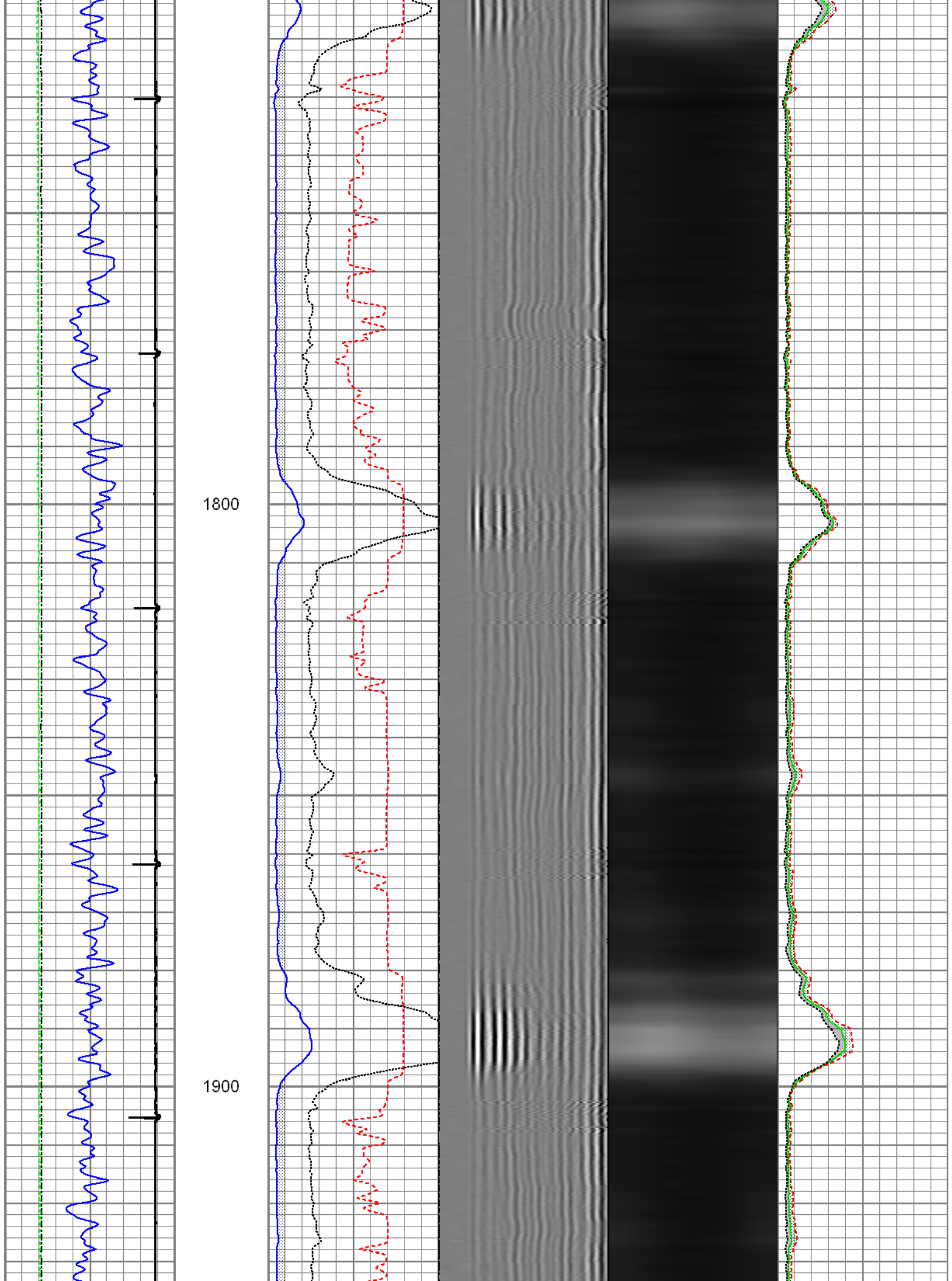


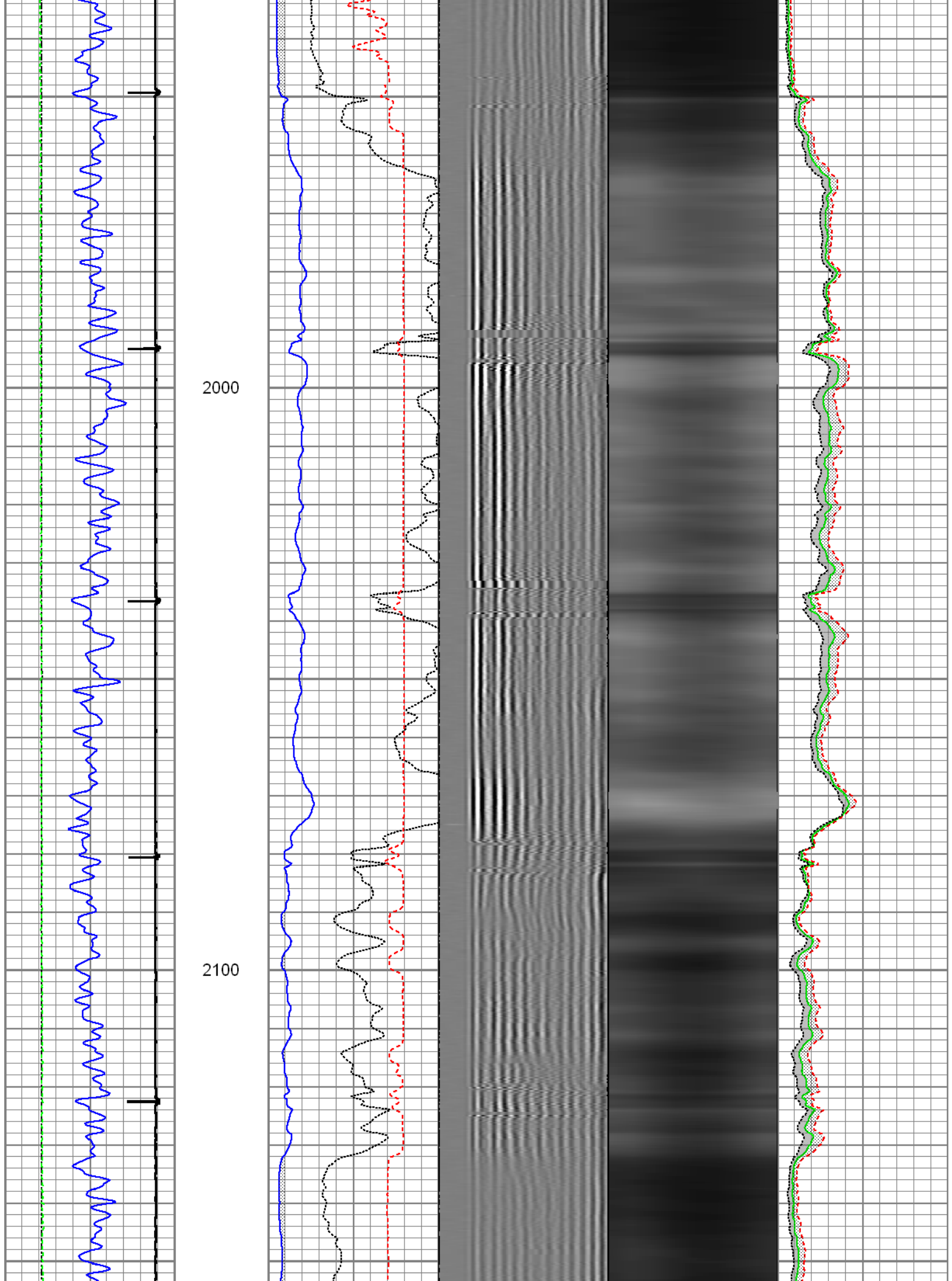






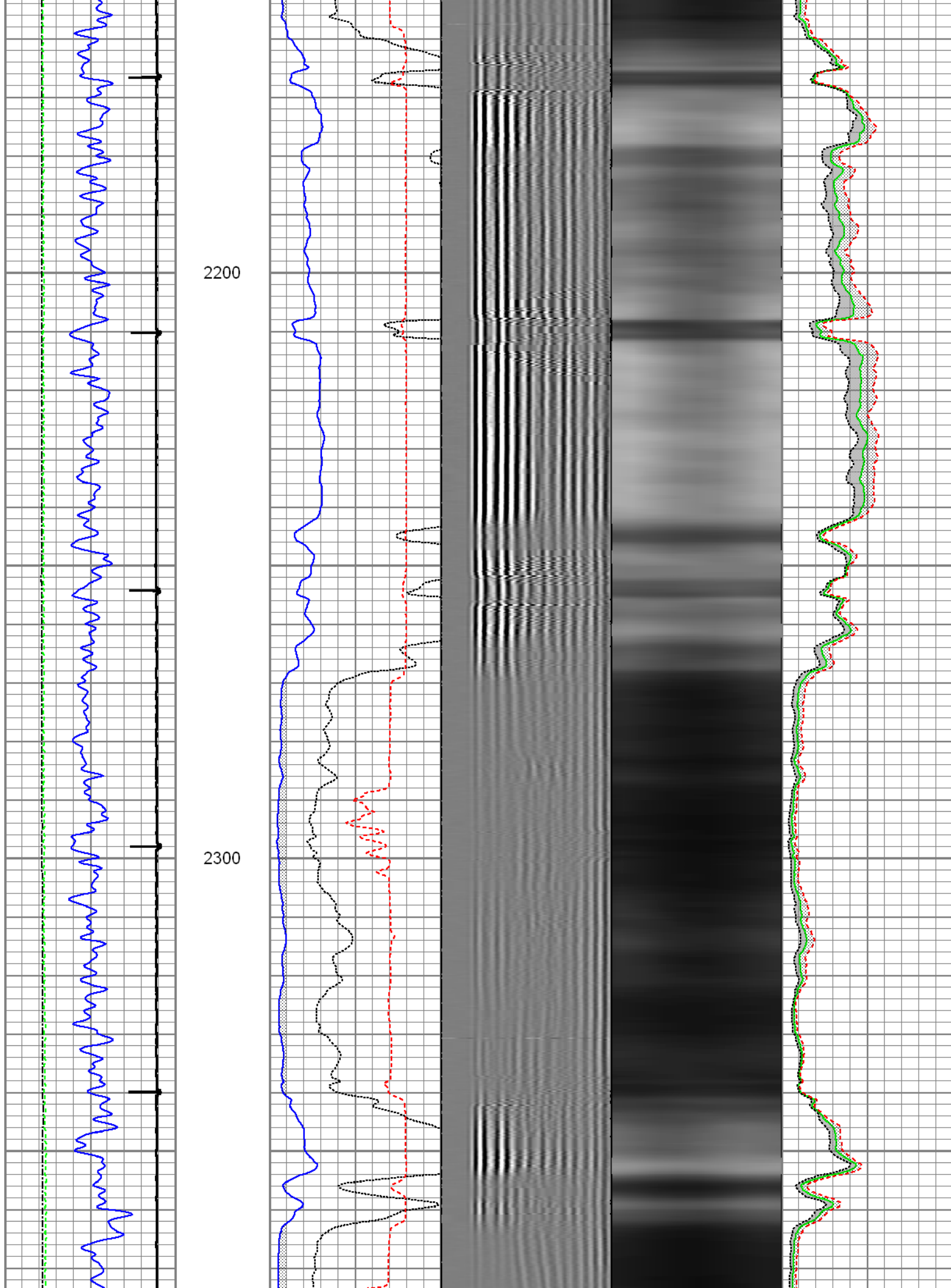


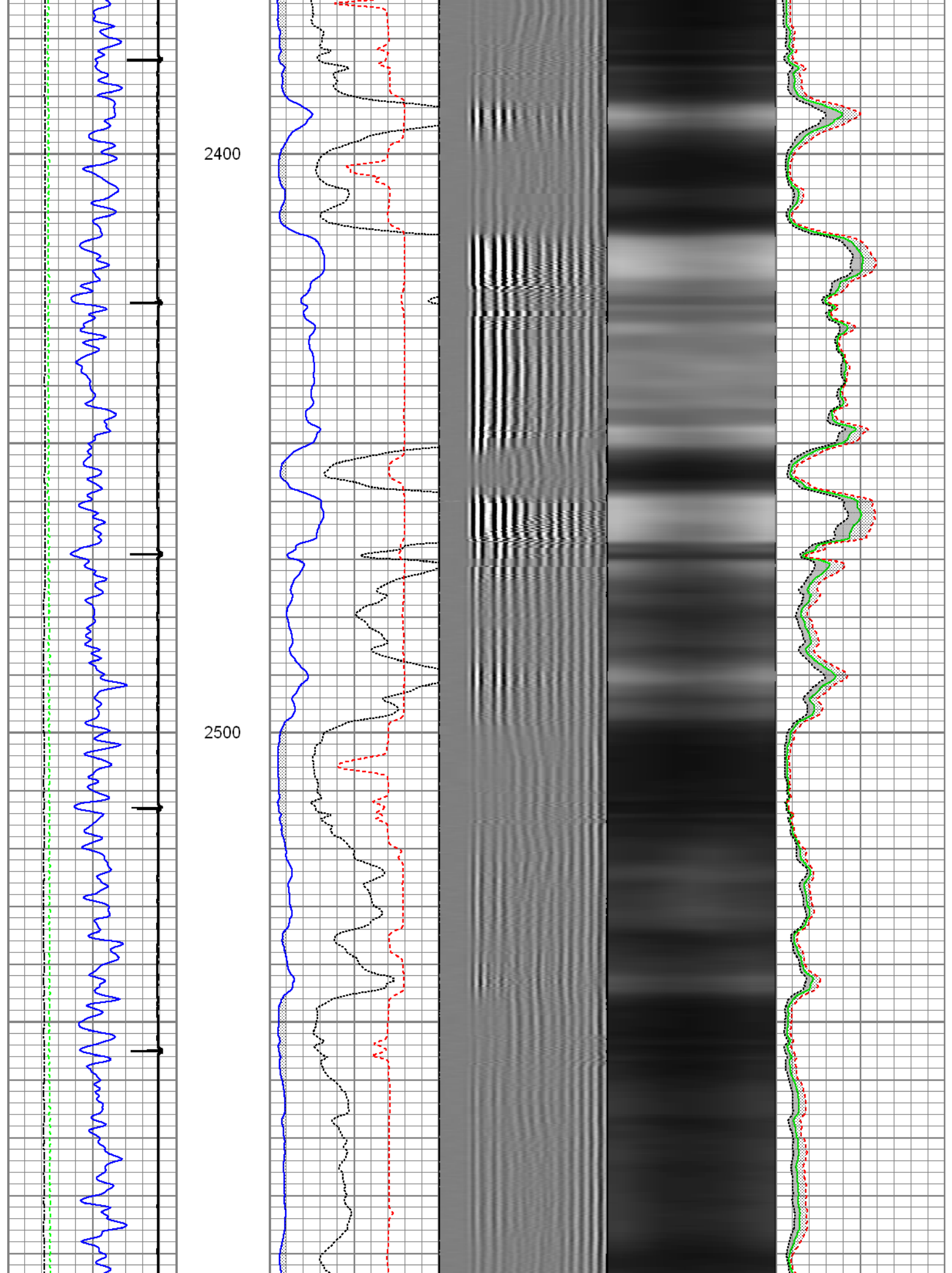


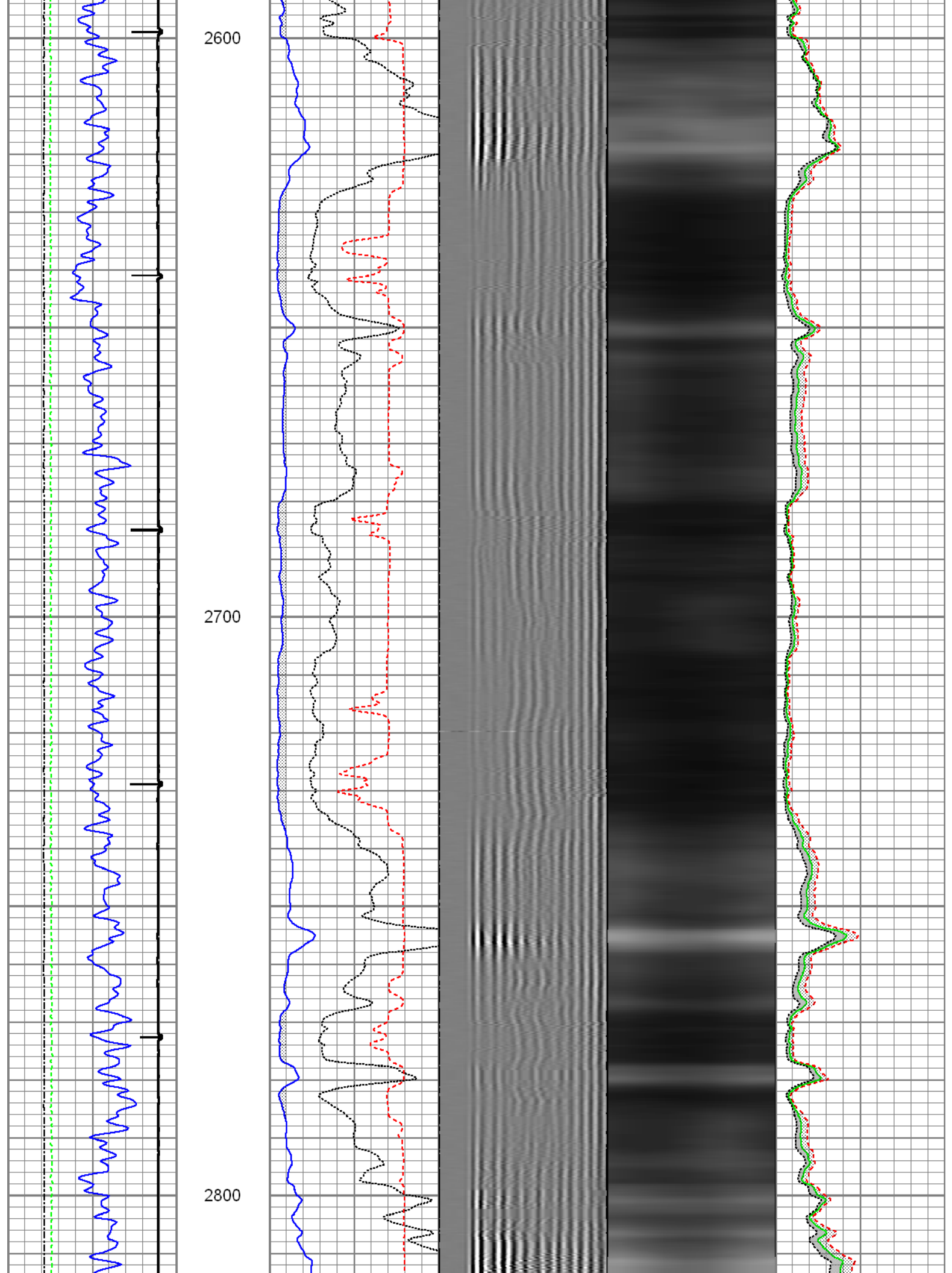


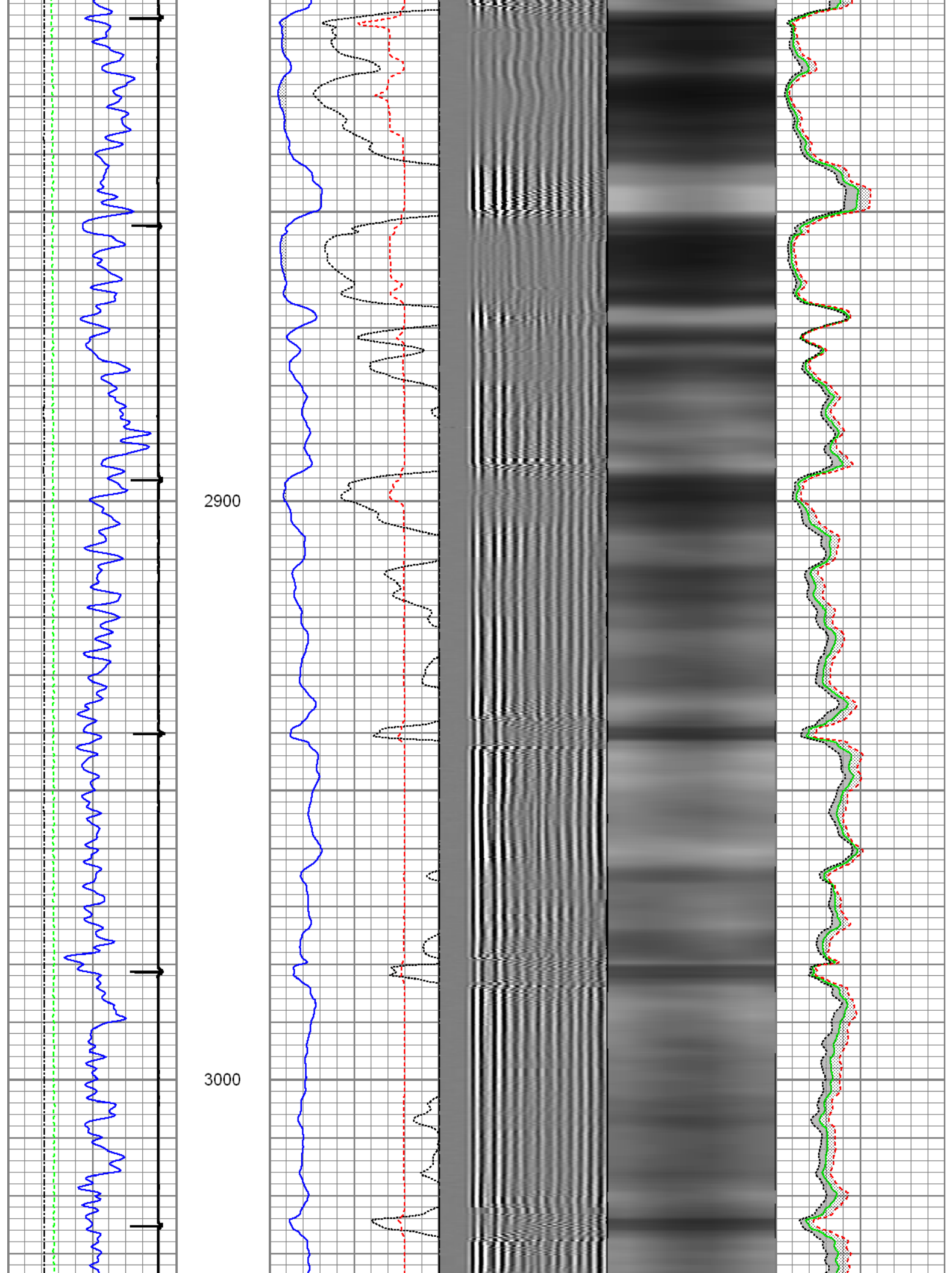
2200

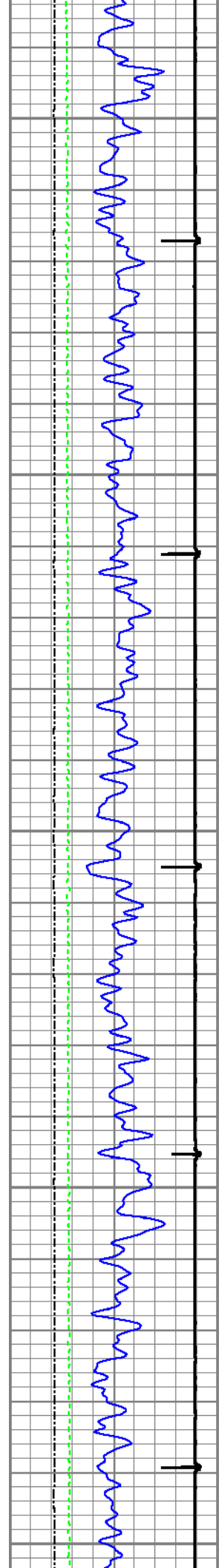
2300





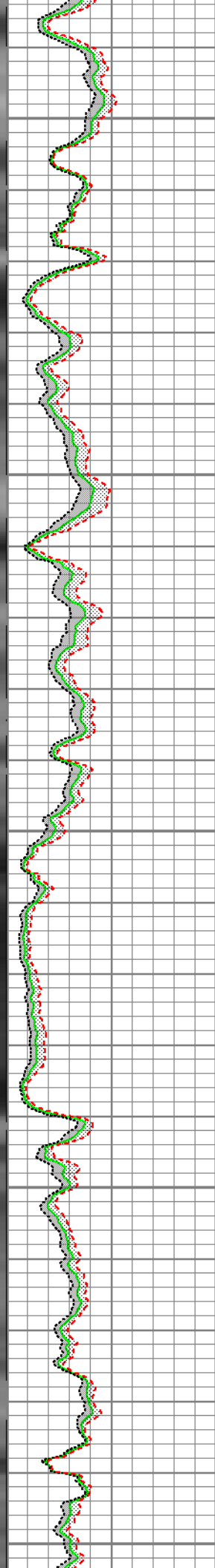
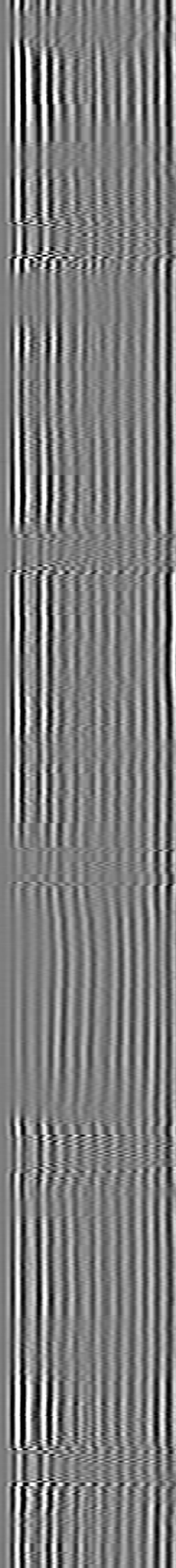
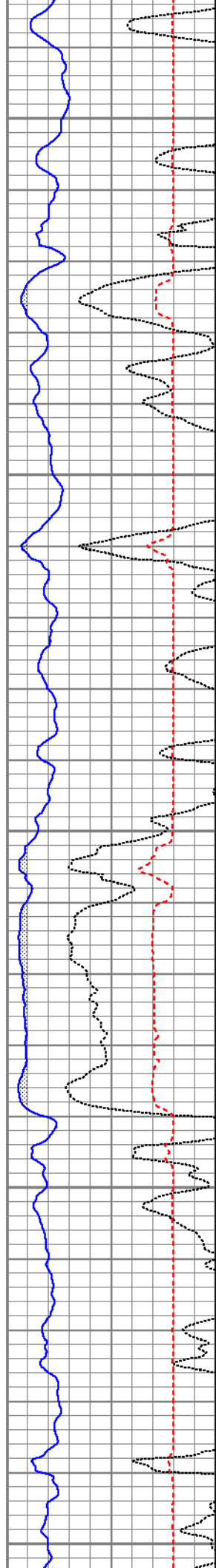


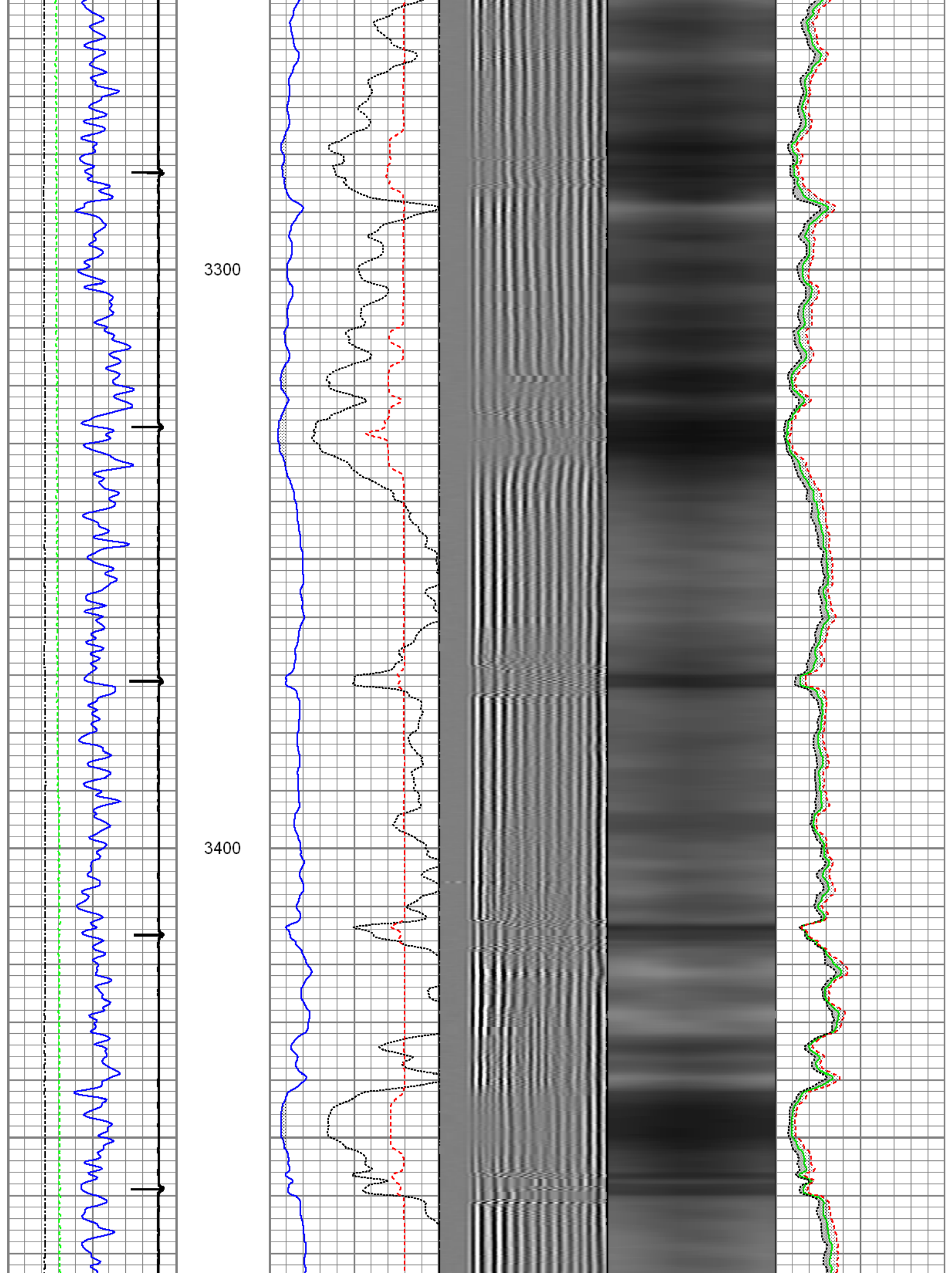


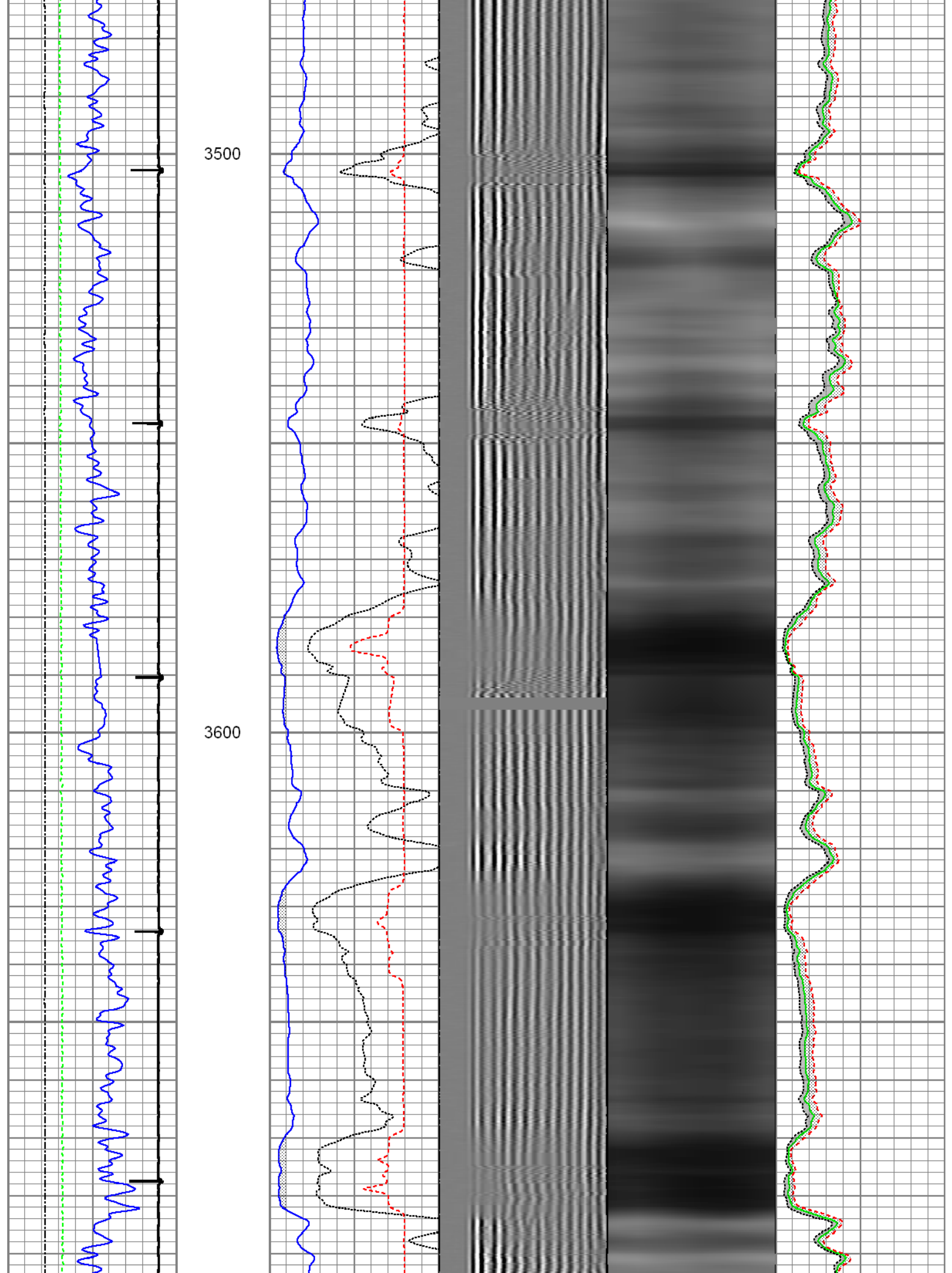


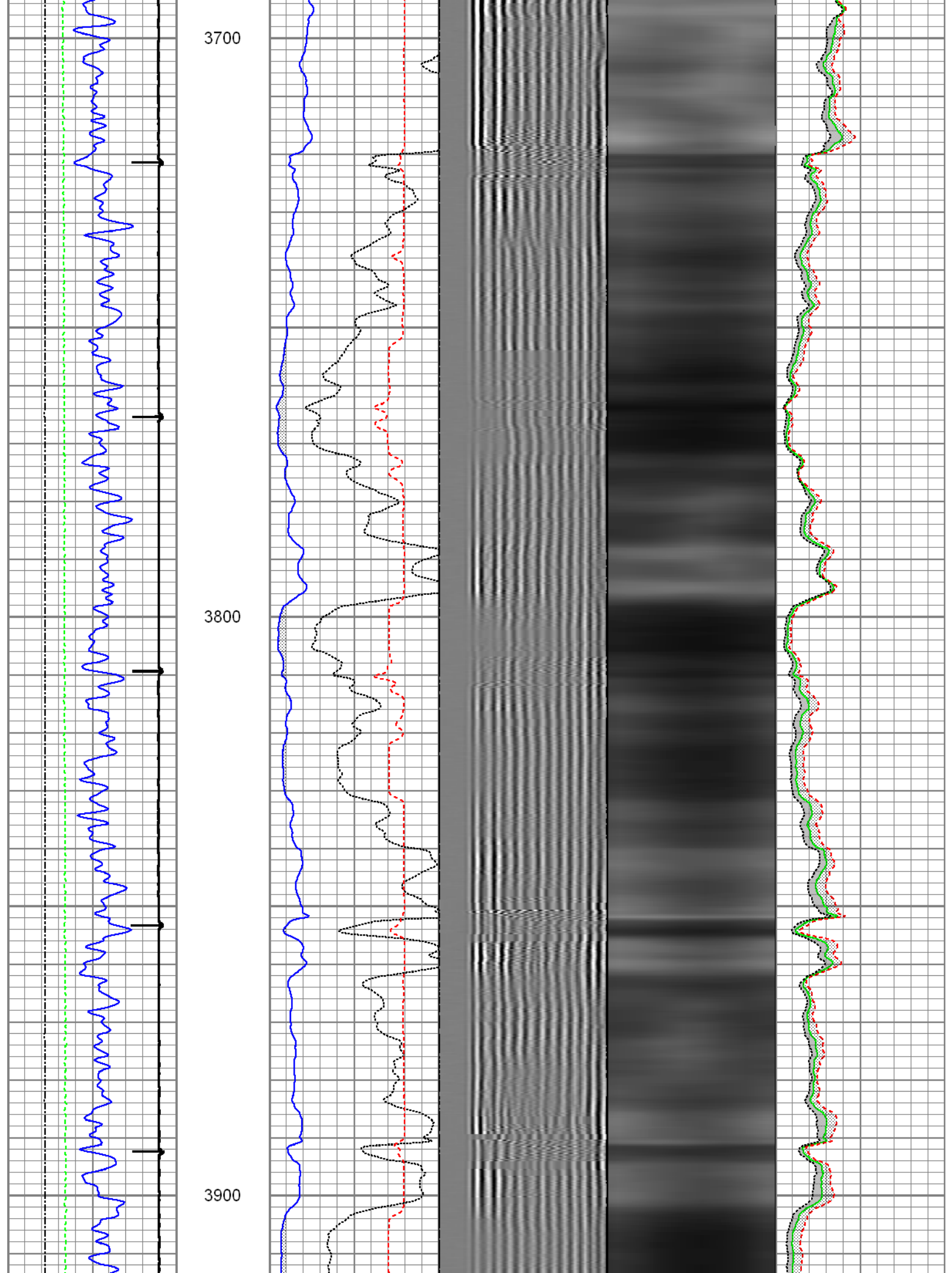
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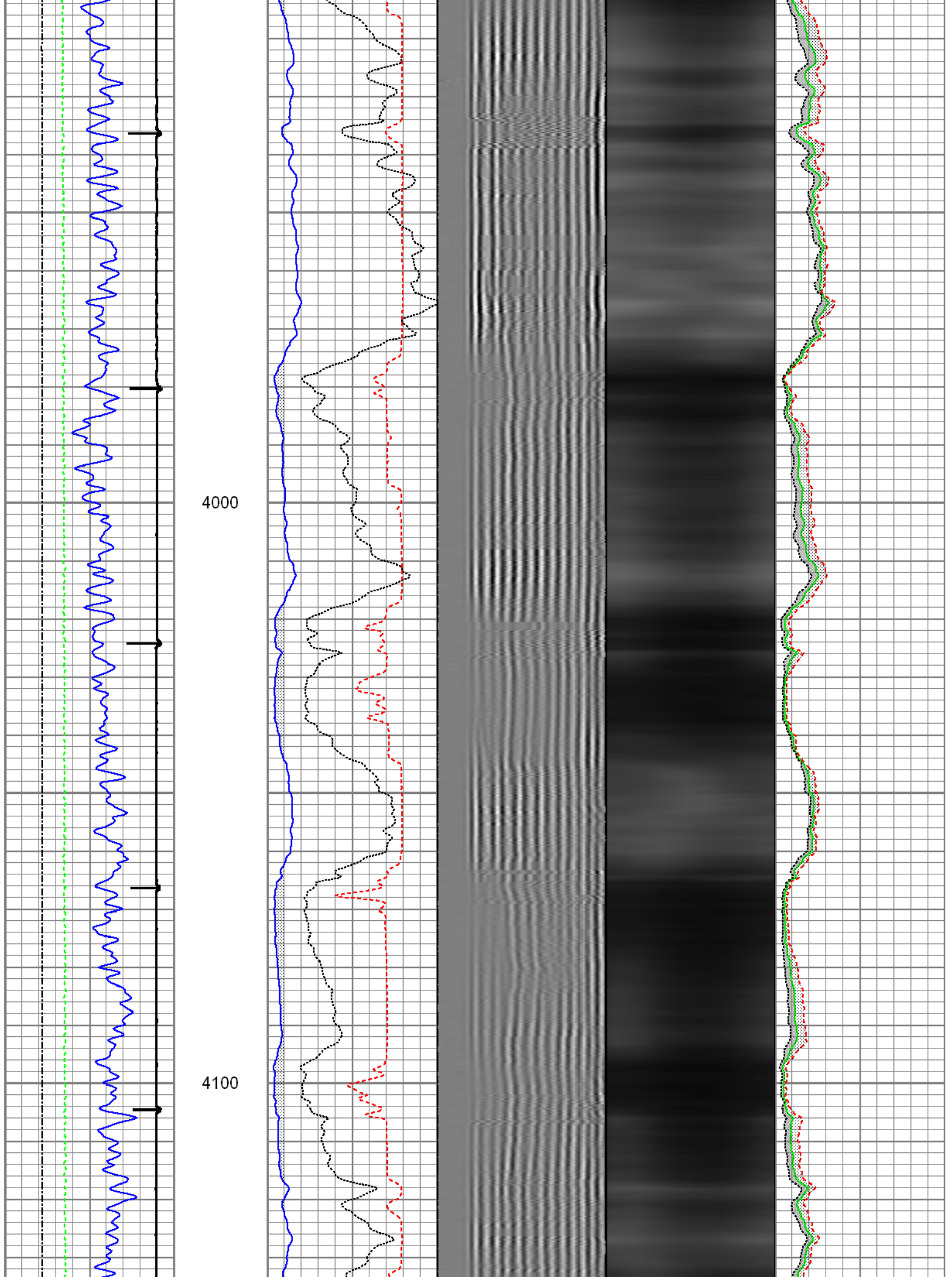
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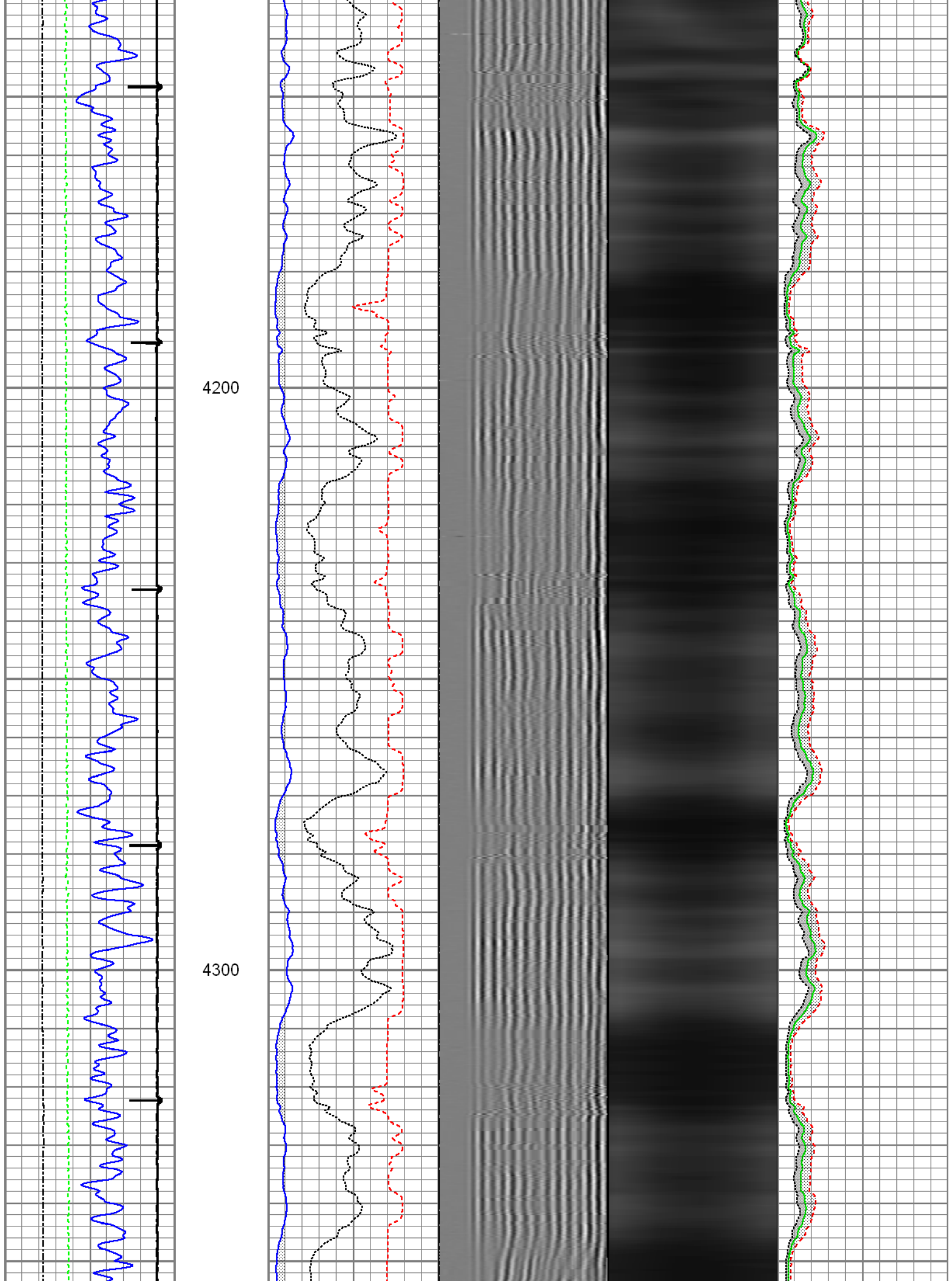


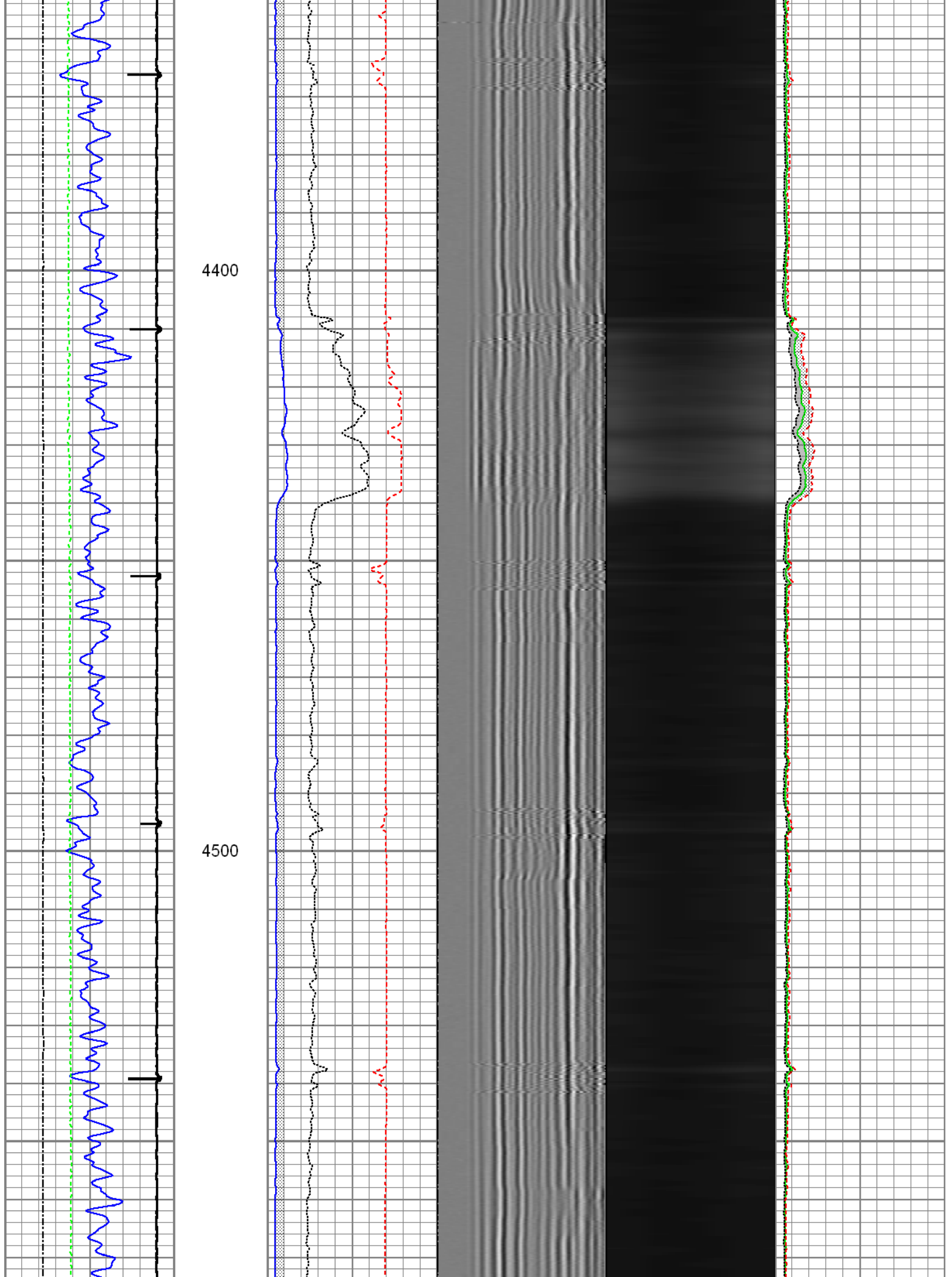


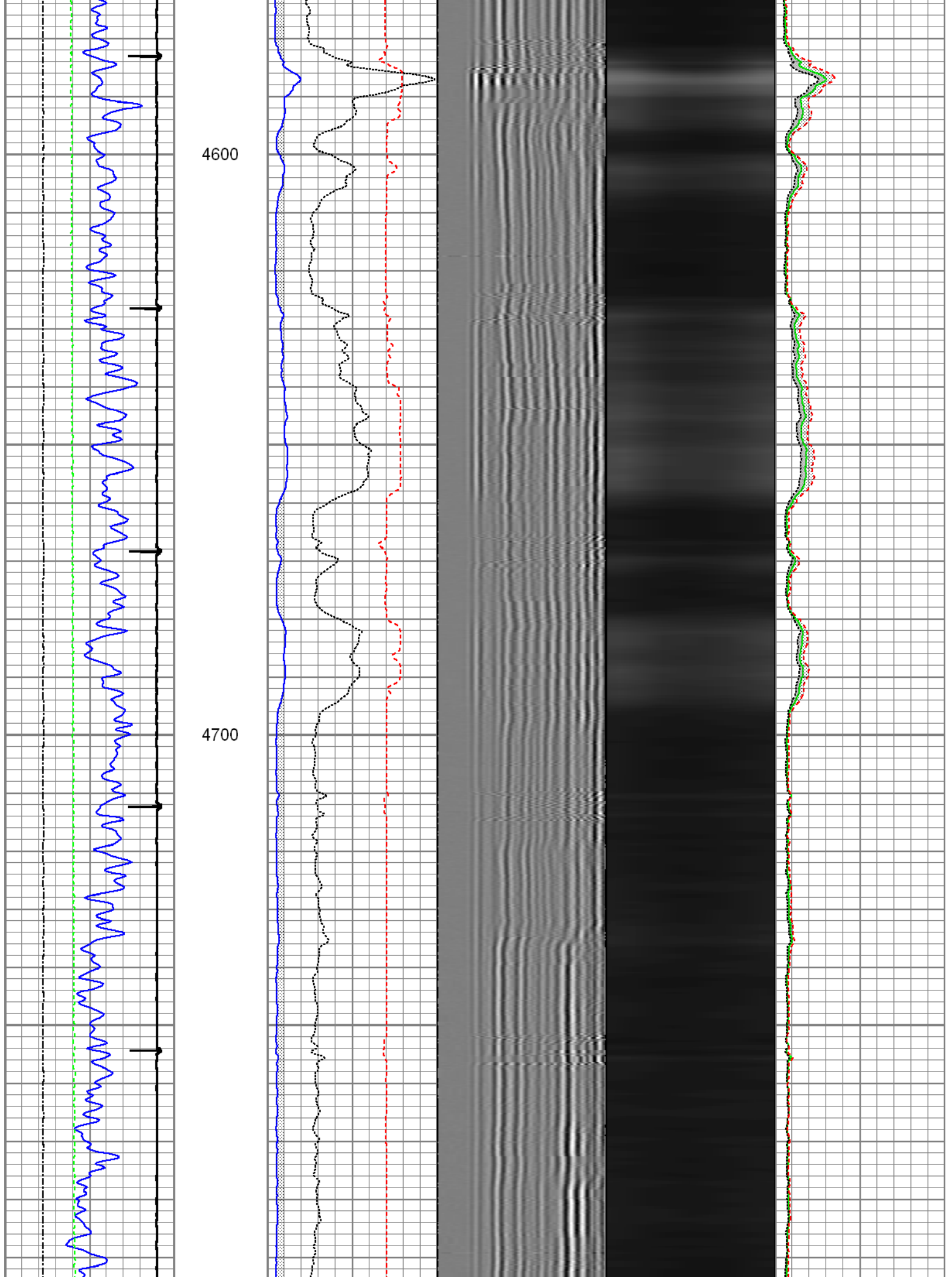


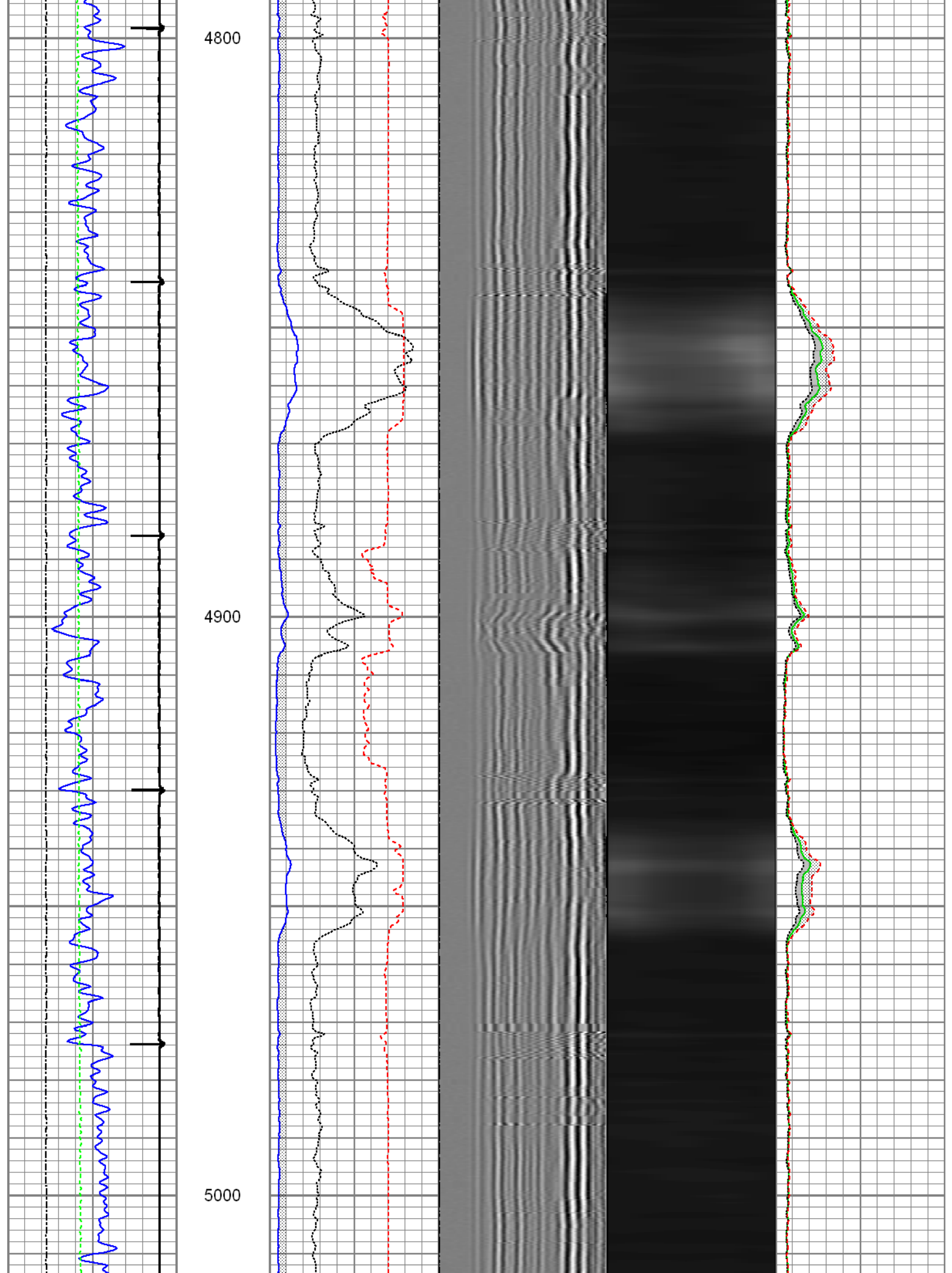


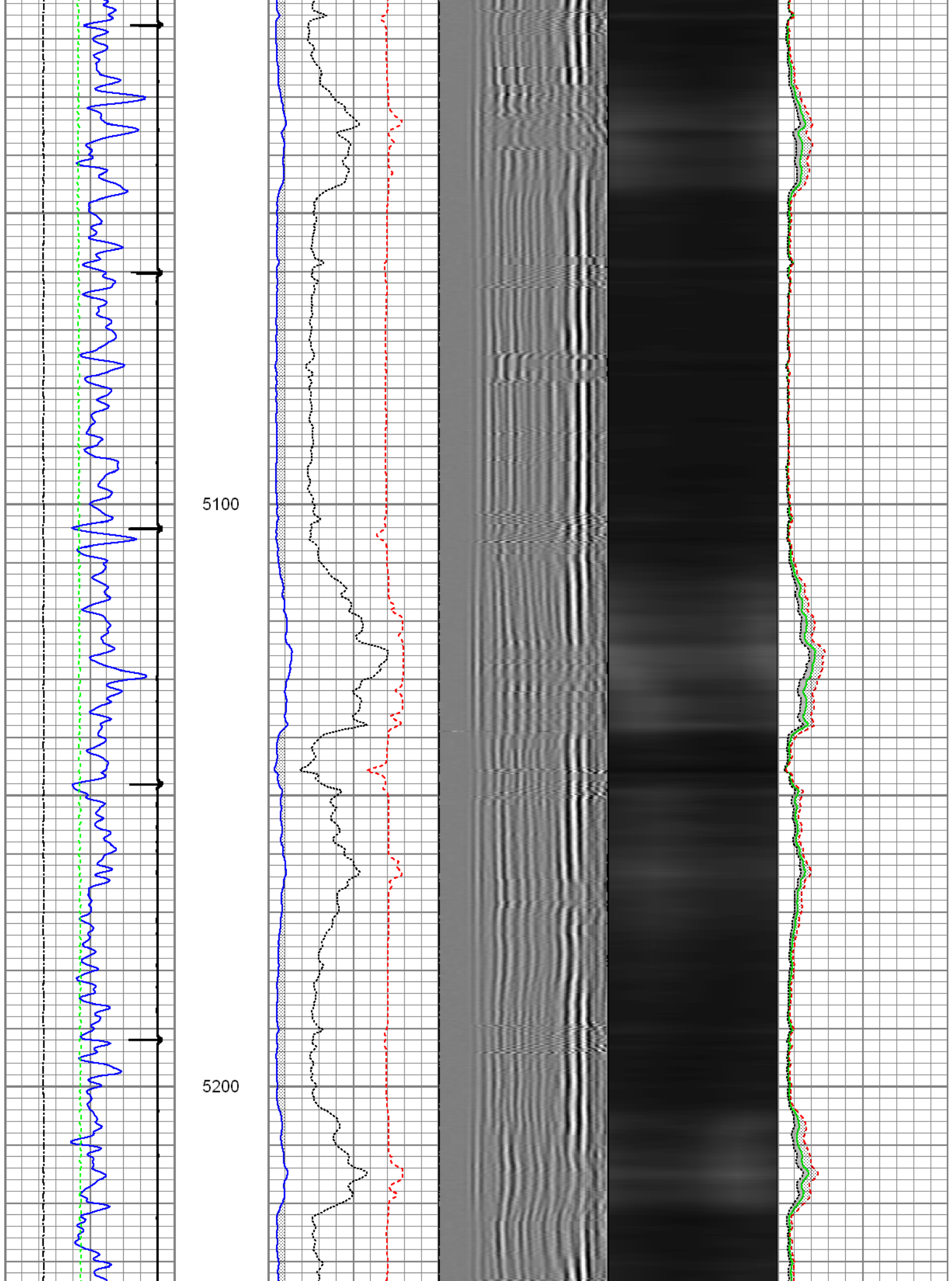


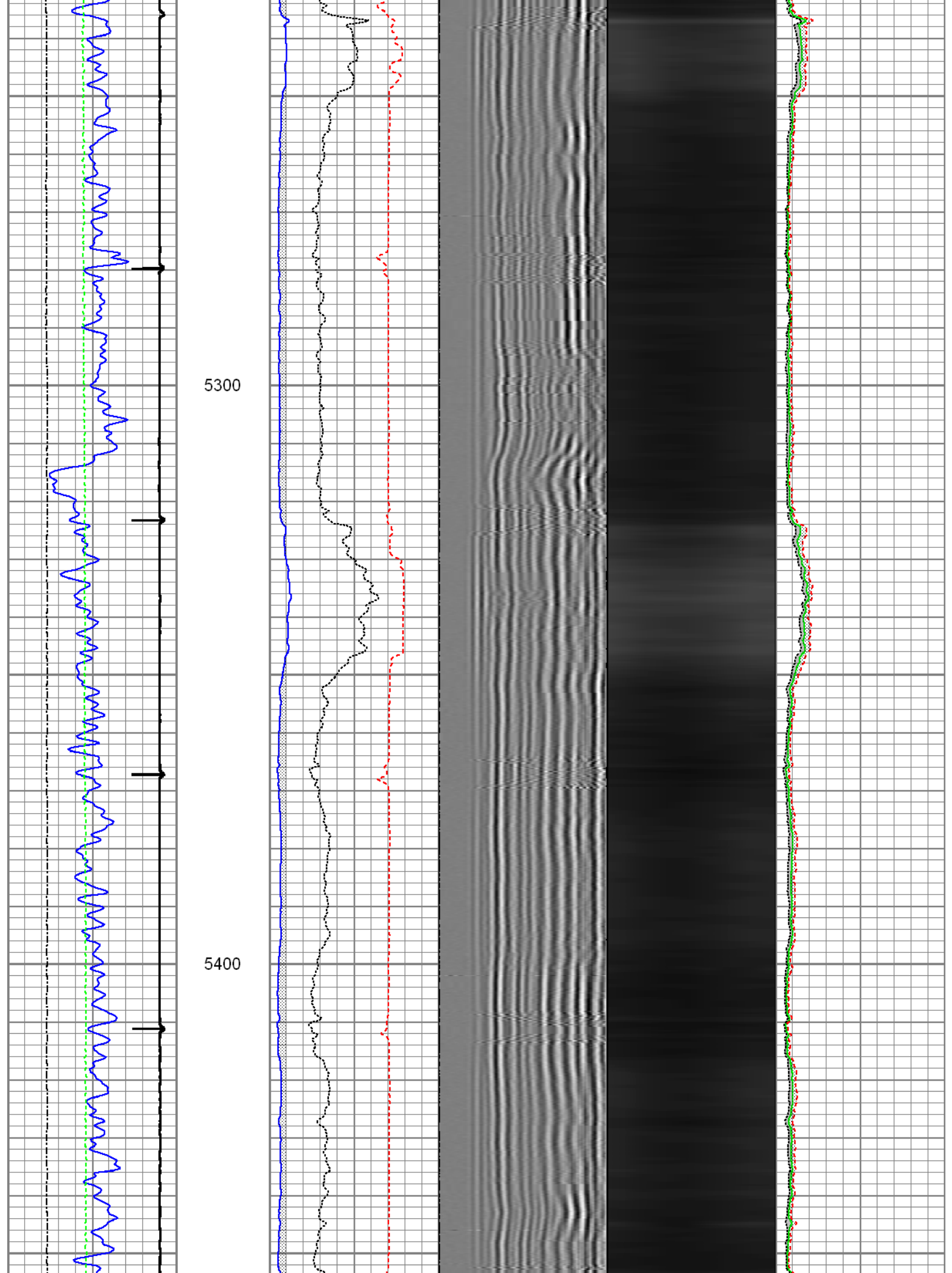


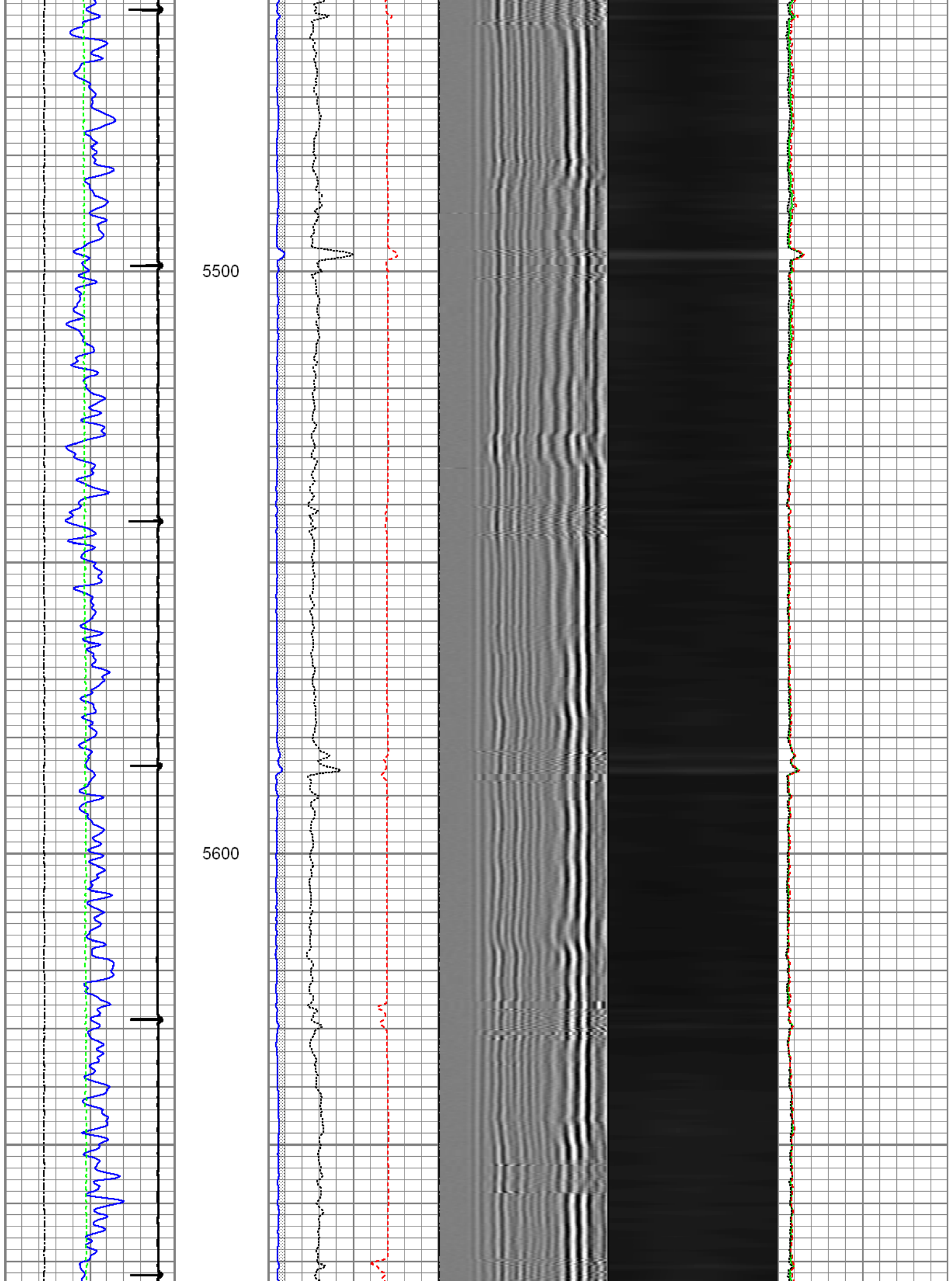


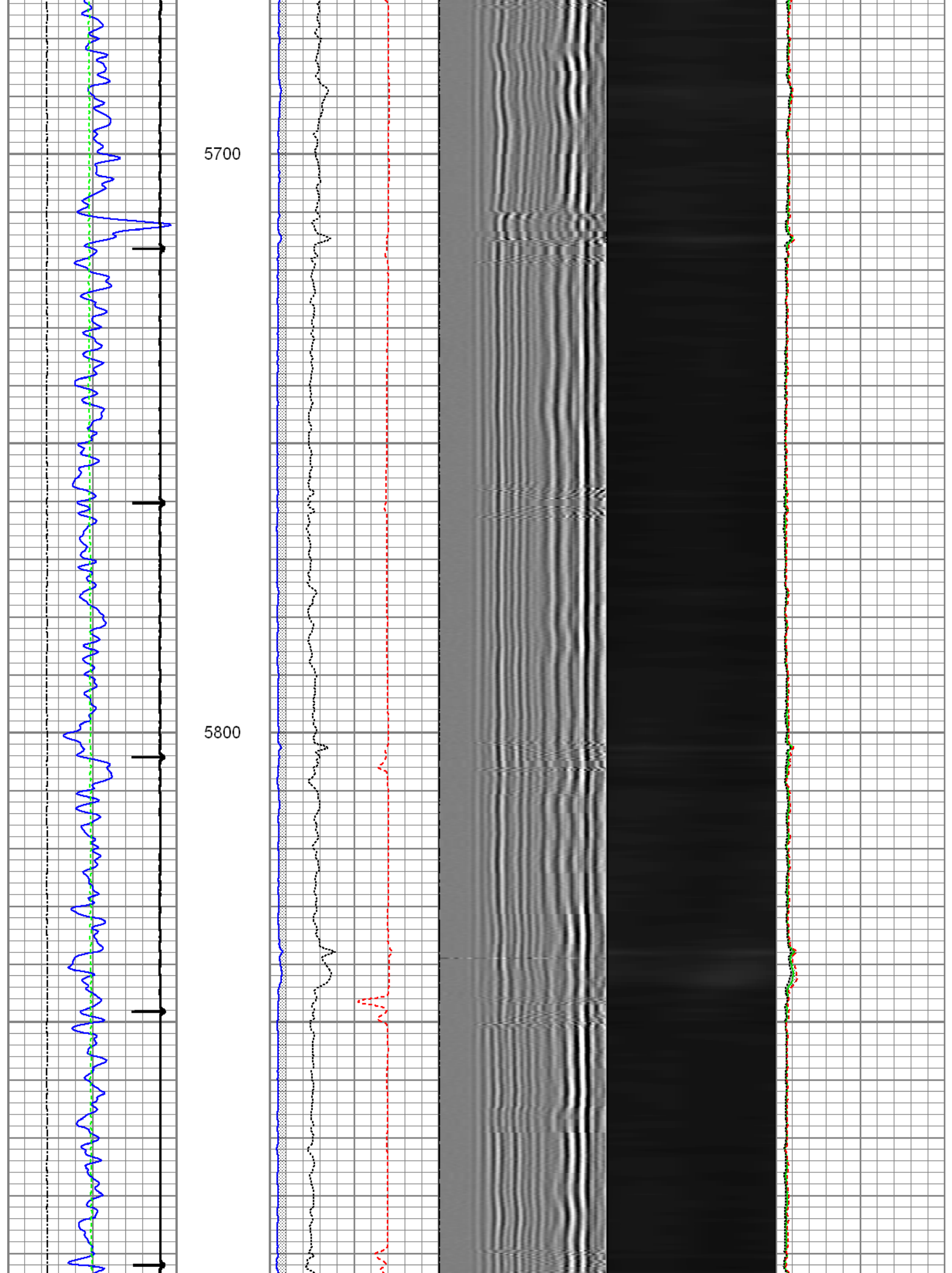


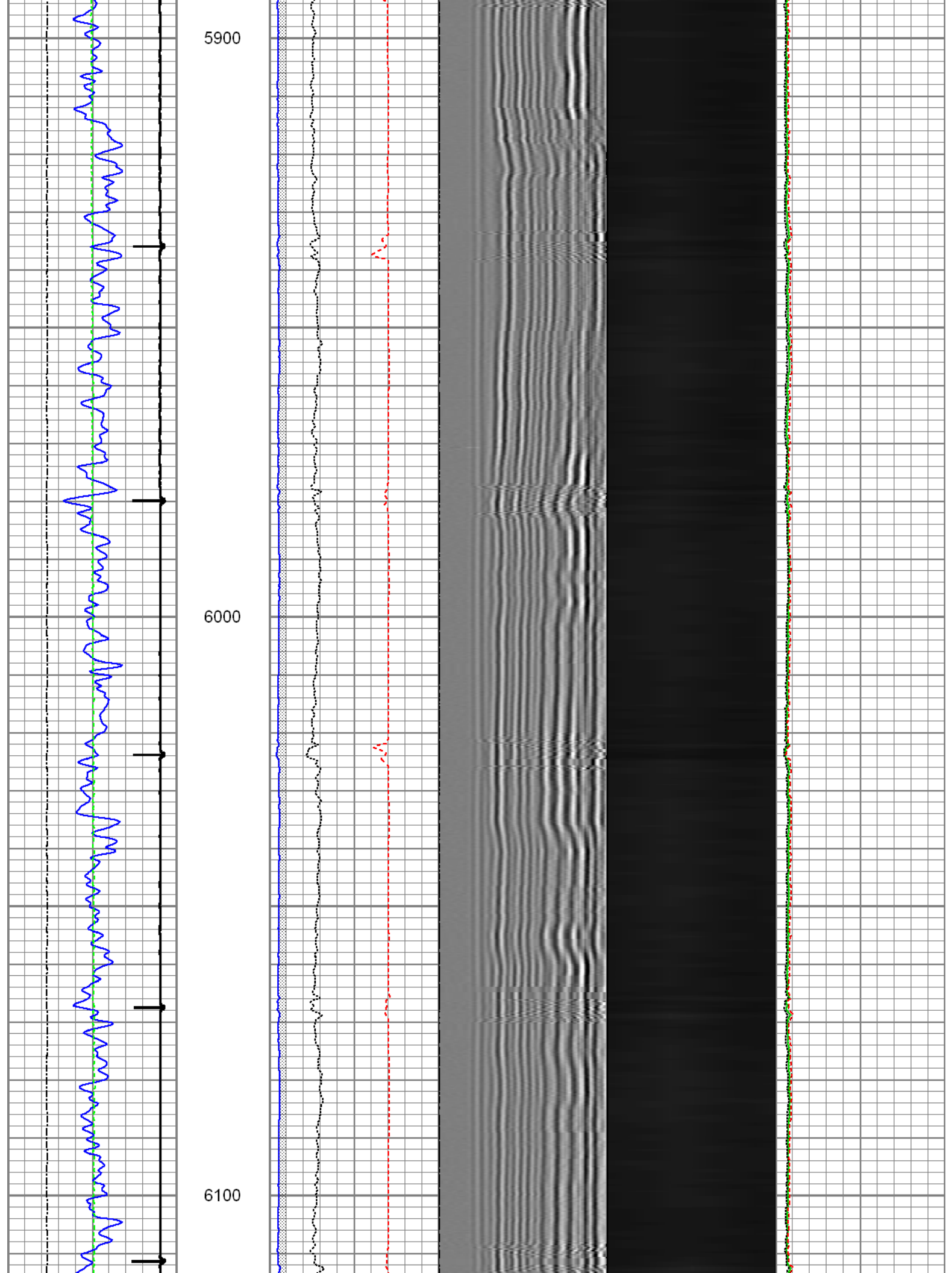


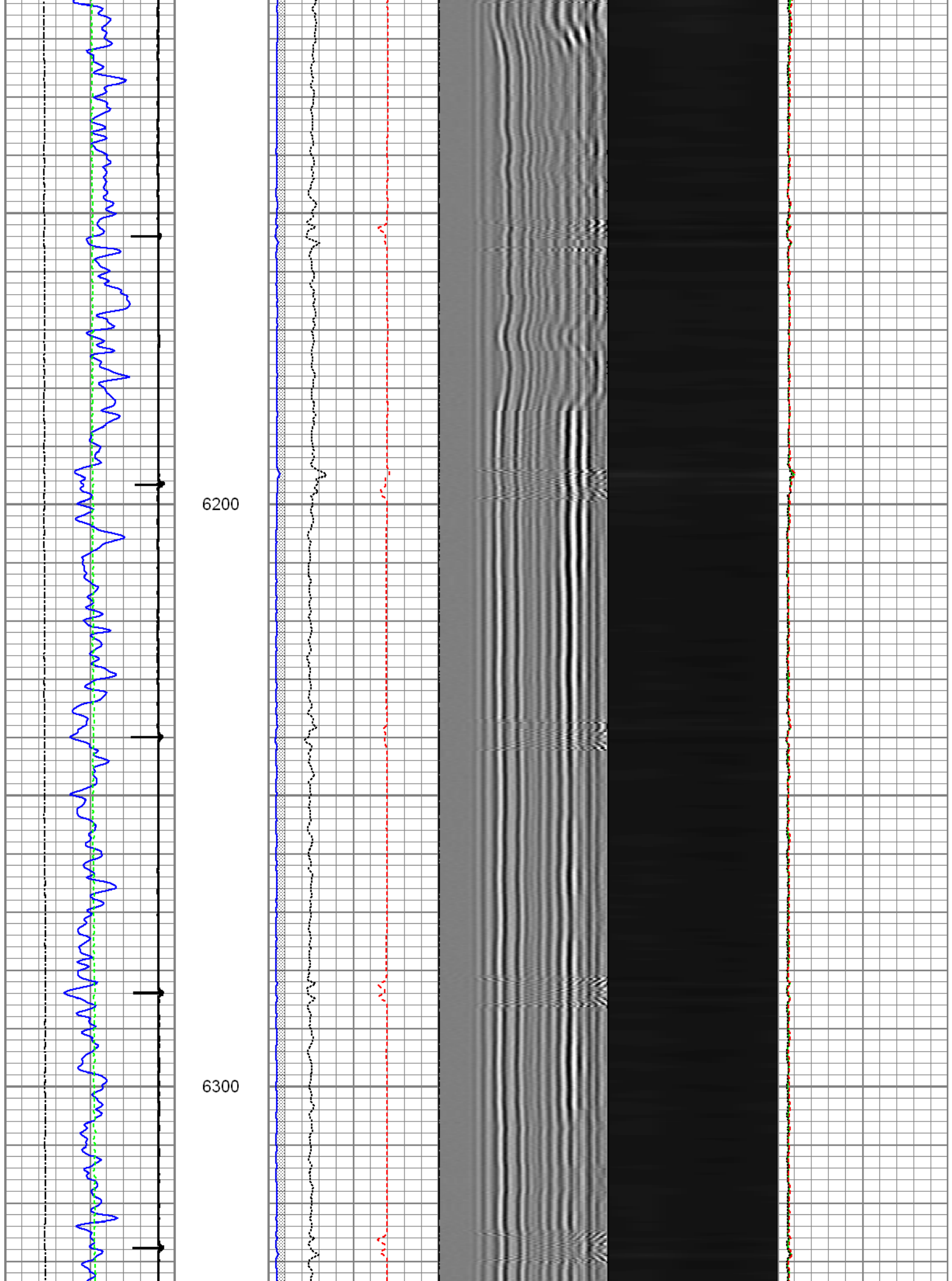


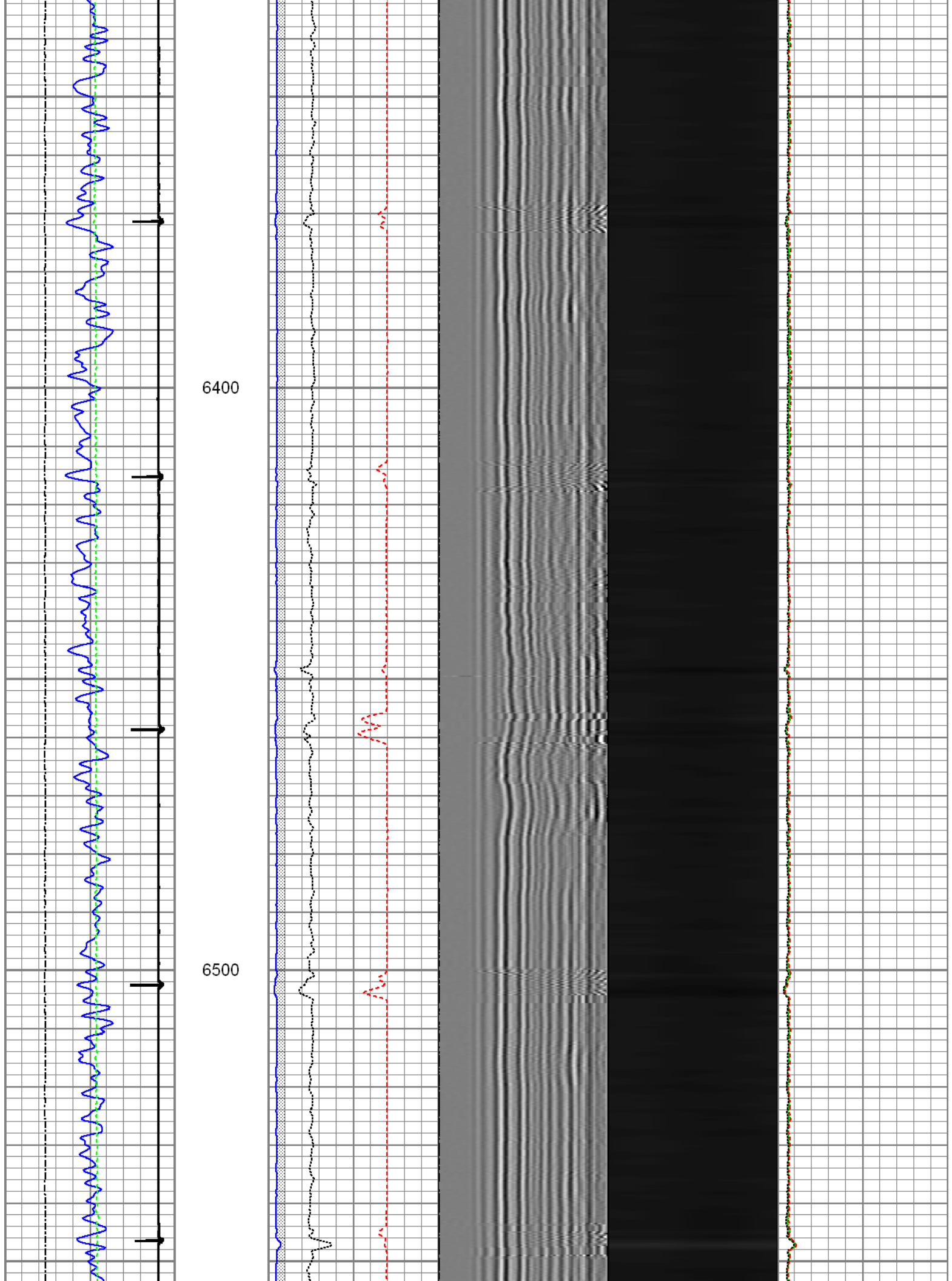


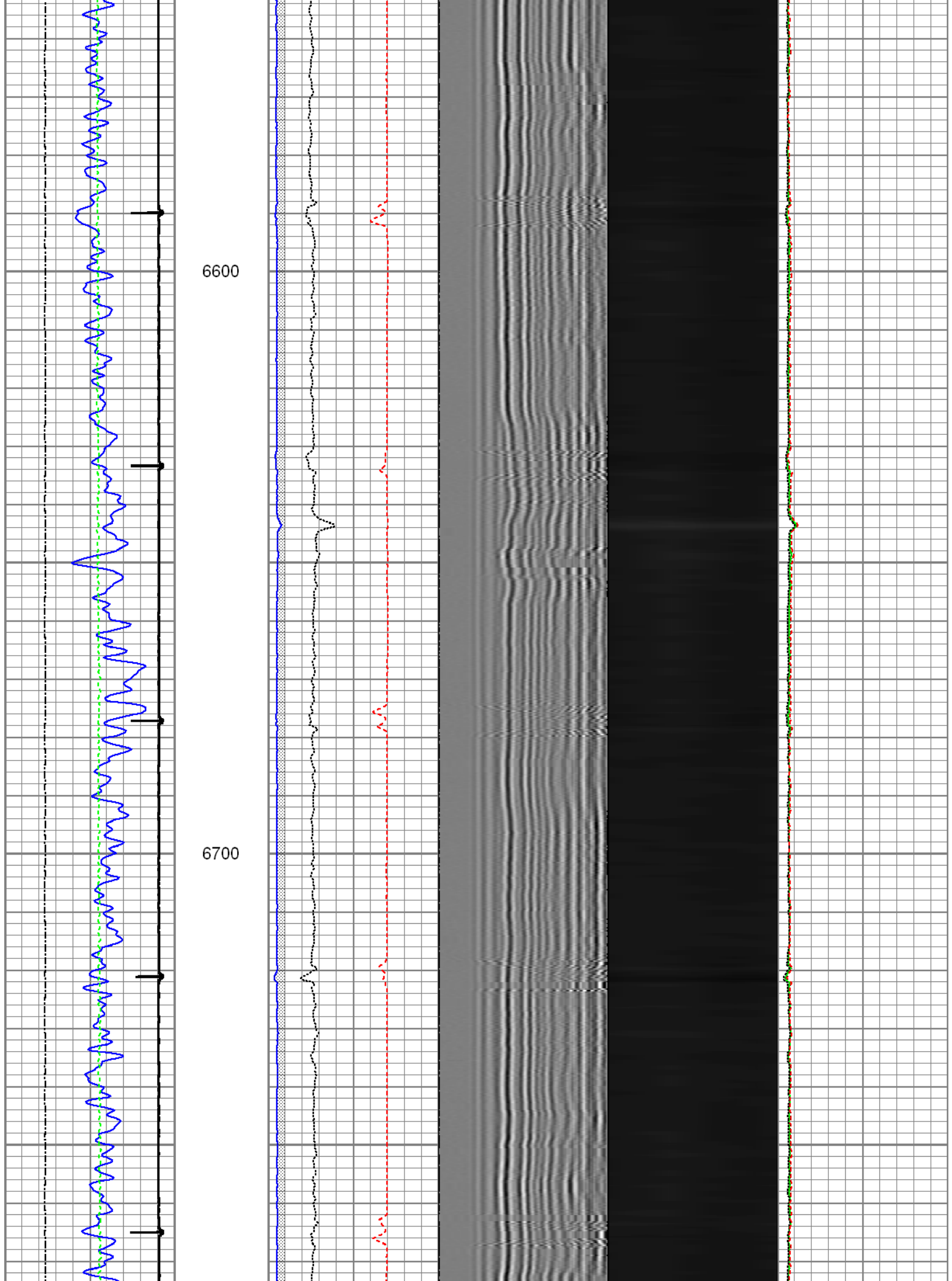


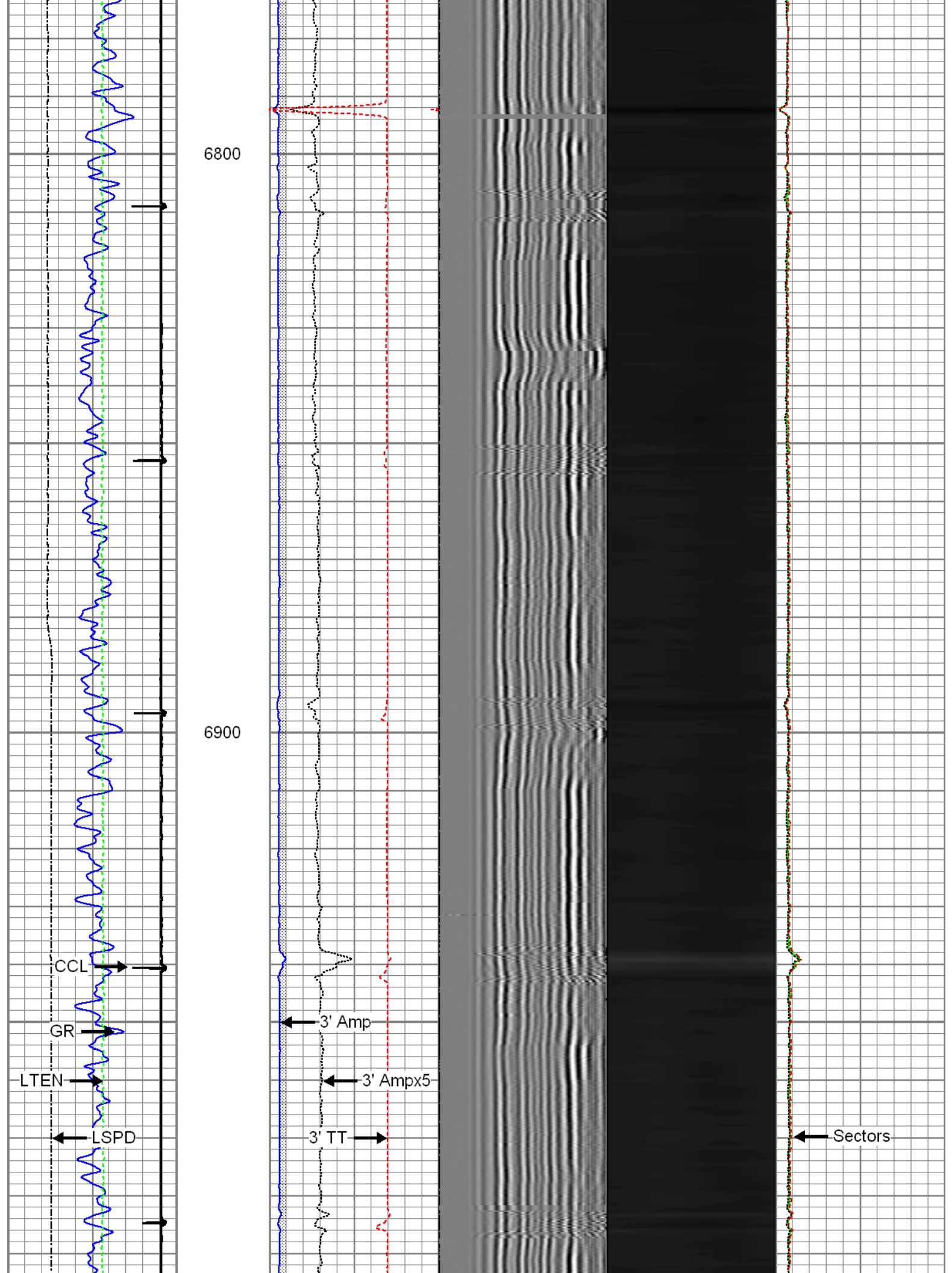




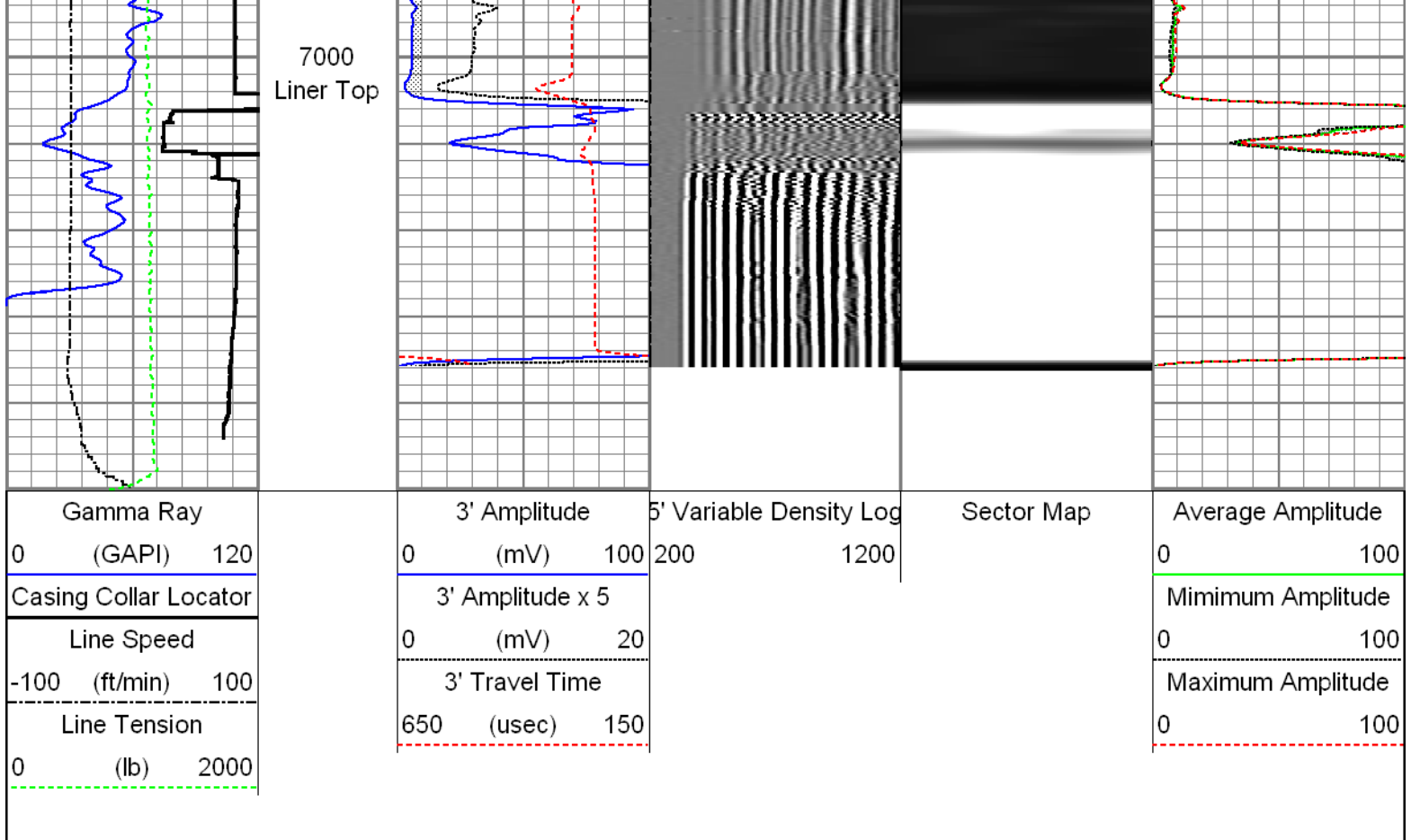








7000
Liner Top

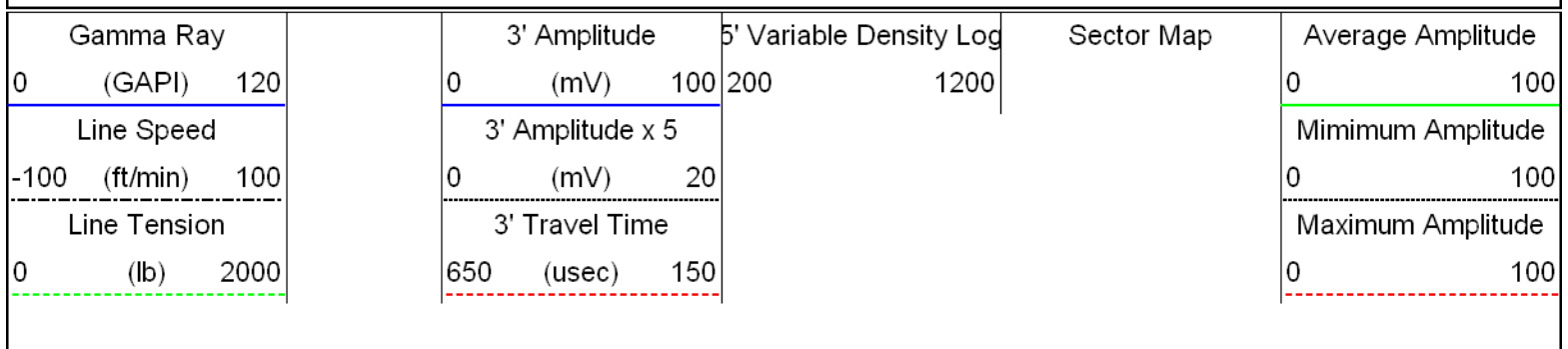


FMC Technologies

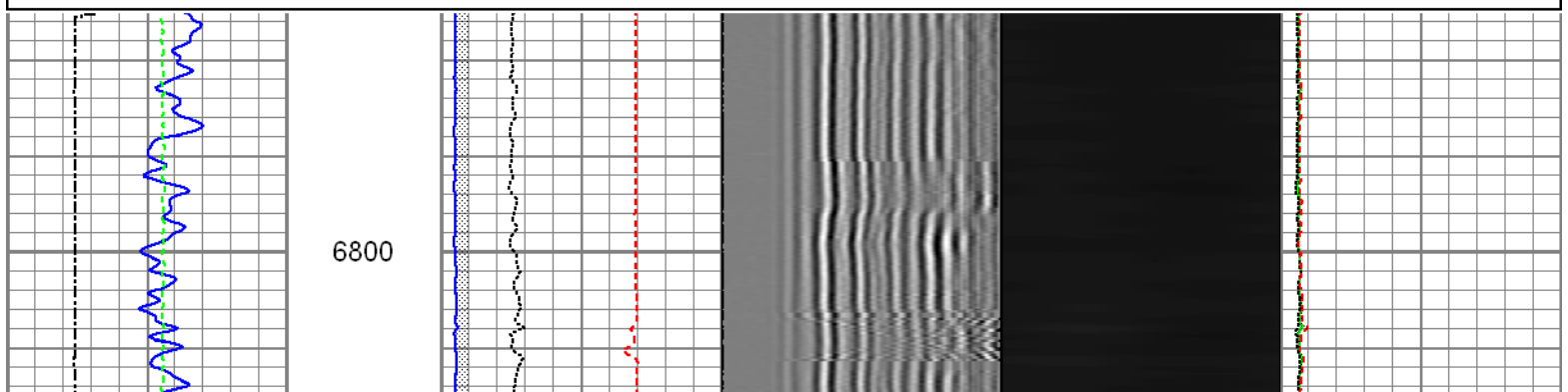
Repeat Pass

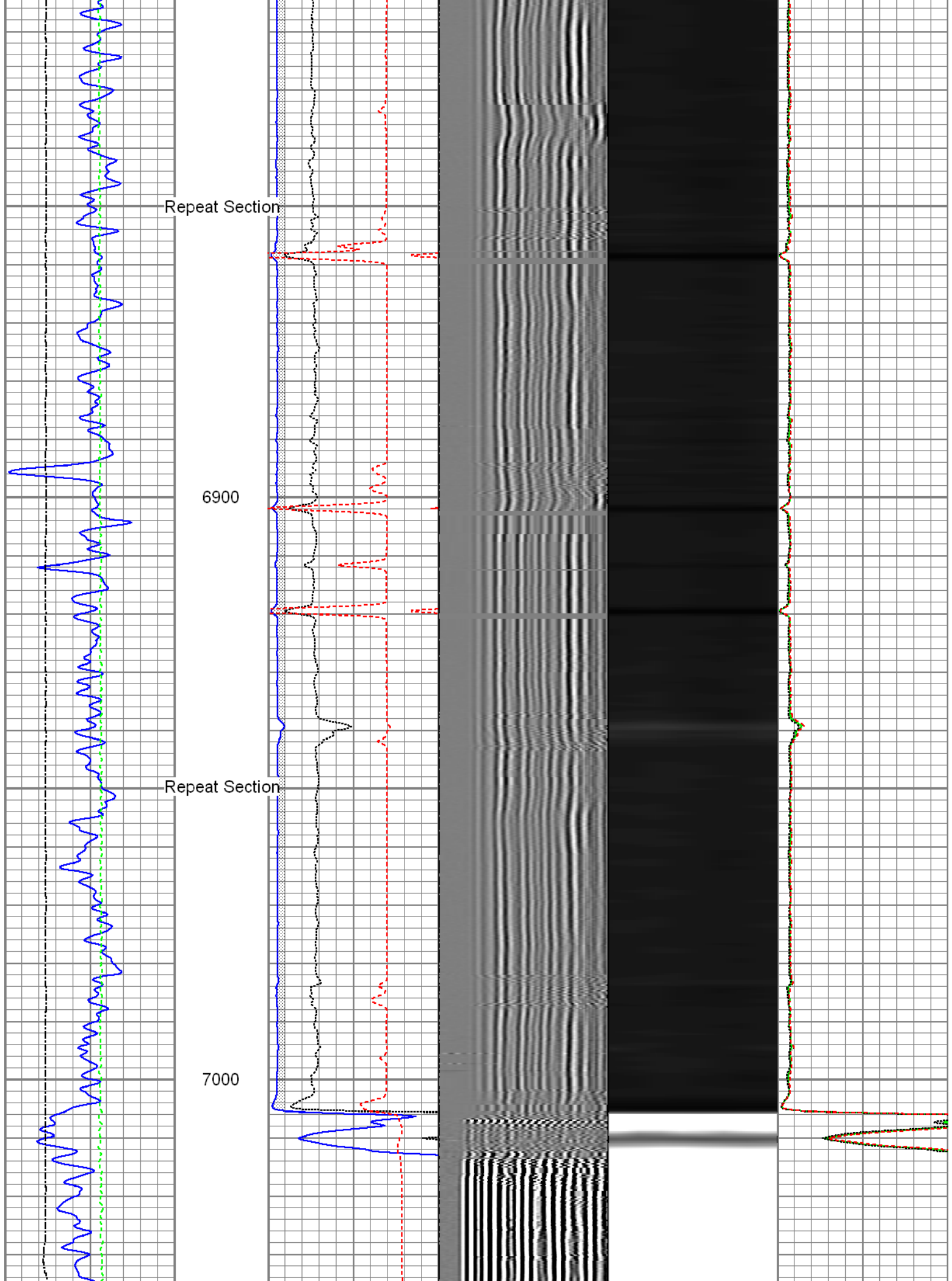
Recorded with 2800 PSI Surface Induced Pressure

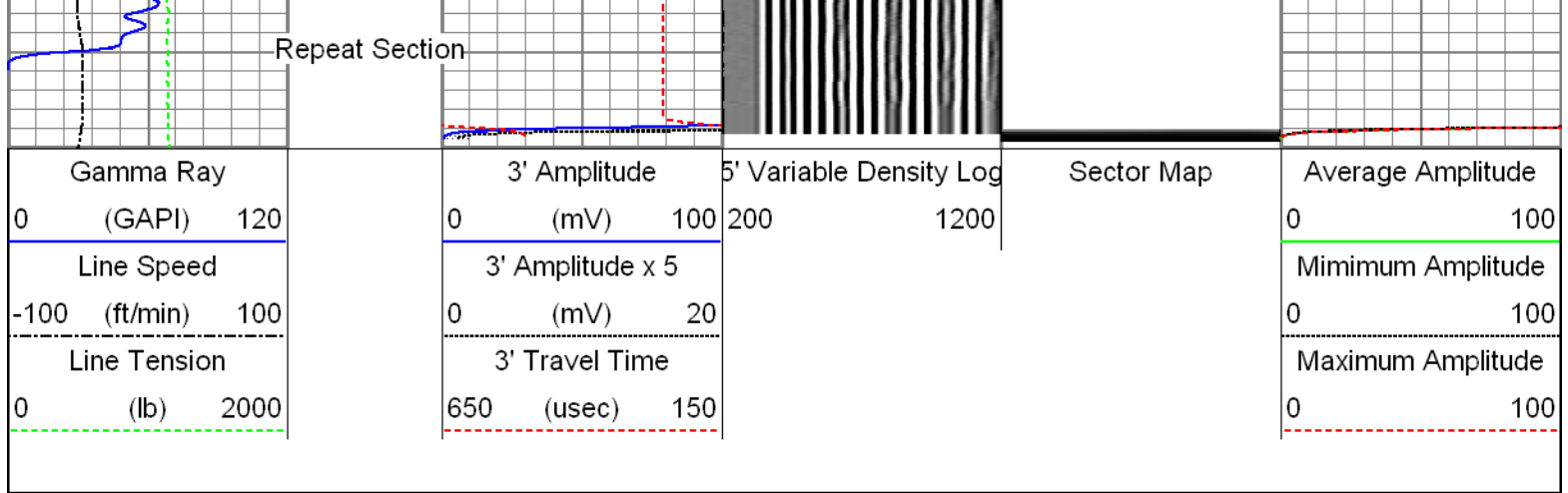
Database File: 0512340846_anadarko_hunziker 27n-28hz_06-15-15_mit_rbl.db
 Dataset Pathname: pass3
 Presentation Format: rbt4_mit
 Dataset Creation: Mon Jun 15 13:56:47 2015 by Log 7.0 B1
 Charted by: Depth in Feet scaled 1:240



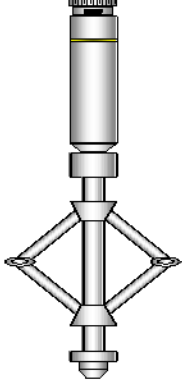
6800







Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	22.81		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 (10013899) 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
WV3FT	15.42		UW_RBT-UW_RBT_004 (1063) 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 (080) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
MIT	5.41		UW MIT-UW MIT40_042 (10012912)	4.54	2.75	61.10

MIT	3.41		UW_MIT-UW_MIT40_042 (10012912) 40 Multifinger Imaging Tool	2.98	2.75	32.00
TSTAMP	0.00		UW_PRC-UW_PRC_057 (1101) Sondex 2-3/4" 4-Arm Production Roller Centraliser	0.22	1.69	1.20
			UW_BUL-UW_BUL_006 (218707) Sondex Ultrawire Bullnose Terminator			
Dataset: 0512340846_anadarko_hunziker 27n-28hz_06-15-15_mit_rbl.db: field/well/run1/pass5 Total Length: 27.05 ft Total Weight: 319.30 lb O.D. 3.13 in						

Calibration Report			
Database File:	0512340846_anadarko_hunziker 27n-28hz_06-15-15_mit_rbl.db		
Dataset Pathname:	pass5		
Dataset Creation:	Mon Jun 15 14:07:26 2015 by Log 7.0 B1		
Multi-finger Imaging Tool Calibration Report			
Serial Number:	10012912		
Number of Fingers:	40		
Tool Model:	UW_MIT40_042		
Inclinometer Calibration Report			
Performed:	Mon Jul 15 09:39:36 2013		
Calibration Angle:	45		
	Inc X	Inc Y	
Vertical:	1968	1974	
Finger 1 up:	1740	1744	
Finger 31 up:	2215	1741	
Finger 21 up:	2205	2224	
Finger 11 up:	1731	2217	
Sensitivity ratio:	0.992868		
X-axis angle:	134.307		
Deviation const.:	335.589		

Finger Calibration Report							
Performed:				Mon Jun 15 13:27:33 2015			
Ring size:	4	5	6	7			
(in)	Sens	Sens	Sens				
Finger 01:	1014	395.0	1409	386.0	1795	404.0	2199
Finger 02:	1153	410.0	1563	387.0	1950	397.0	2347
Finger 03:	1055	431.0	1486	399.0	1885	425.0	2310
Finger 04:	1062	400.0	1462	395.0	1857	415.0	2272
Finger 05:	1061	409.0	1470	398.0	1868	417.0	2285
Finger 06:	1069	410.0	1479	399.0	1878	414.0	2292
Finger 07:	1054	410.0	1464	401.0	1865	415.0	2280
Finger 08:	1084	401.0	1485	394.0	1879	415.0	2294
Finger 09:	1074	404.0	1478	394.0	1872	411.0	2283
Finger 10:	1085	403.0	1488	392.0	1880	414.0	2294
Finger 11:	1083	401.0	1484	391.0	1875	405.0	2280
Finger 12:	1085	407.0	1492	385.0	1877	410.0	2287
Finger 13:	1088	397.0	1485	387.0	1872	400.0	2272
Finger 14:	1080	402.0	1482	398.0	1880	407.0	2287
Finger 15:	1027	403.0	1430	404.0	1834	424.0	2258
Finger 16:	1043	406.0	1449	402.0	1851	420.0	2271
Finger 17:	957	384.0	1341	390.0	1731	420.0	2151

Finger 18:	1100	396.0	1496	383.0	1879	404.0	2283
Finger 19:	1055	395.0	1450	391.0	1841	411.0	2252
Finger 20:	1040	402.0	1442	401.0	1843	427.0	2270
Finger 21:	1055	407.0	1462	402.0	1864	407.0	2271
Finger 22:	1018	405.0	1423	400.0	1823	424.0	2247
Finger 23:	975	407.0	1382	409.0	1791	439.0	2230
Finger 24:	1044	400.0	1444	389.0	1833	401.0	2234
Finger 25:	985	402.0	1387	406.0	1793	432.0	2225
Finger 26:	1119	395.0	1514	381.0	1895	394.0	2289
Finger 27:	1048	404.0	1452	400.0	1852	415.0	2267
Finger 28:	1067	398.0	1465	384.0	1849	403.0	2252
Finger 29:	997	412.0	1409	400.0	1809	425.0	2234
Finger 30:	1054	408.0	1462	399.0	1861	413.0	2274
Finger 31:	1056	402.0	1458	388.0	1846	409.0	2255
Finger 32:	1026	412.0	1438	403.0	1841	426.0	2267
Finger 33:	1114	403.0	1517	378.0	1895	388.0	2283
Finger 34:	1077	398.0	1475	387.0	1862	407.0	2269
Finger 35:	1008	417.0	1425	413.0	1838	436.0	2274
Finger 36:	1027	408.0	1435	400.0	1835	421.0	2256
Finger 37:	1079	407.0	1486	392.0	1878	408.0	2286
Finger 38:	1110	405.0	1515	387.0	1902	395.0	2297
Finger 39:	1106	398.0	1504	383.0	1887	398.0	2285
Finger 40:	1051	409.0	1460	399.0	1859	413.0	2272

Segmented Cement Bond Log Calibration Report						
Serial Number:		1063				
Tool Model:		UW_RBT_004				
Calibration Casing Diameter:		5.500	in			
Calibration Depth:		22.420	ft			
Master Calibration, performed Mon Jun 15 10:08:19 2015:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	-0.003	1.000	1.000	71.921	70.743	1.178
5FT	-0.006	1.000	1.000	71.921	70.491	1.430
S1	-0.004	1.000	0.000	100.000	99.635	0.365
S2	-0.004	1.000	0.000	100.000	99.635	0.365
S3	-0.004	1.000	0.000	100.000	99.635	0.365
S4	-0.004	1.000	0.000	100.000	99.635	0.365
S5	-0.002	1.000	0.000	100.000	99.760	0.240
S6	-0.003	1.000	0.000	100.000	99.688	0.312
S7	-0.003	1.000	0.000	100.000	99.739	0.261
S8	-0.003	1.000	0.000	100.000	99.721	0.279
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.
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Company	Refrimco Oil & Gas Onshore, L.P.
Well	Hunziker 27N-28HZ
Field	Wattenberg
County	Weld
State	Colorado