

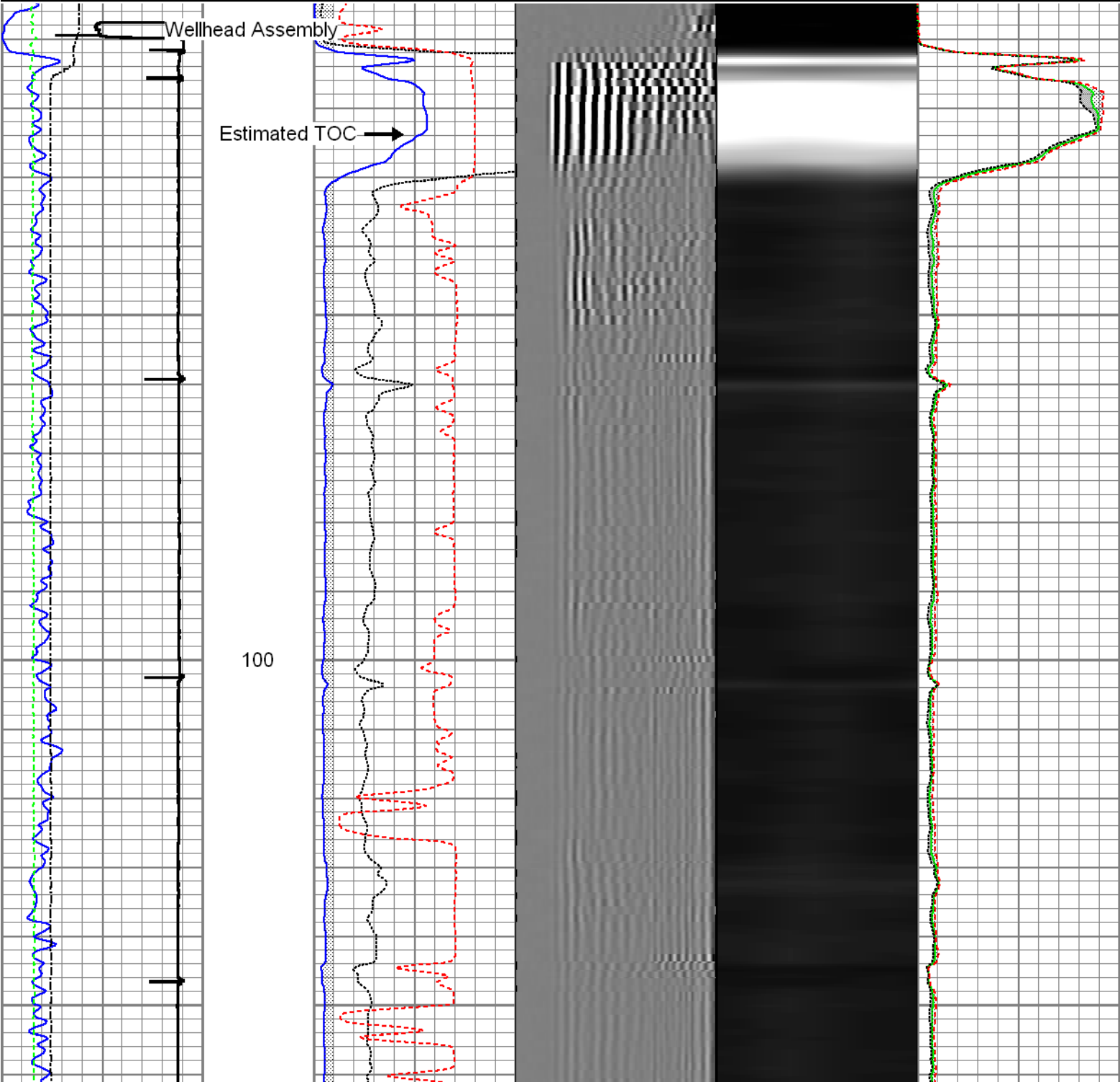


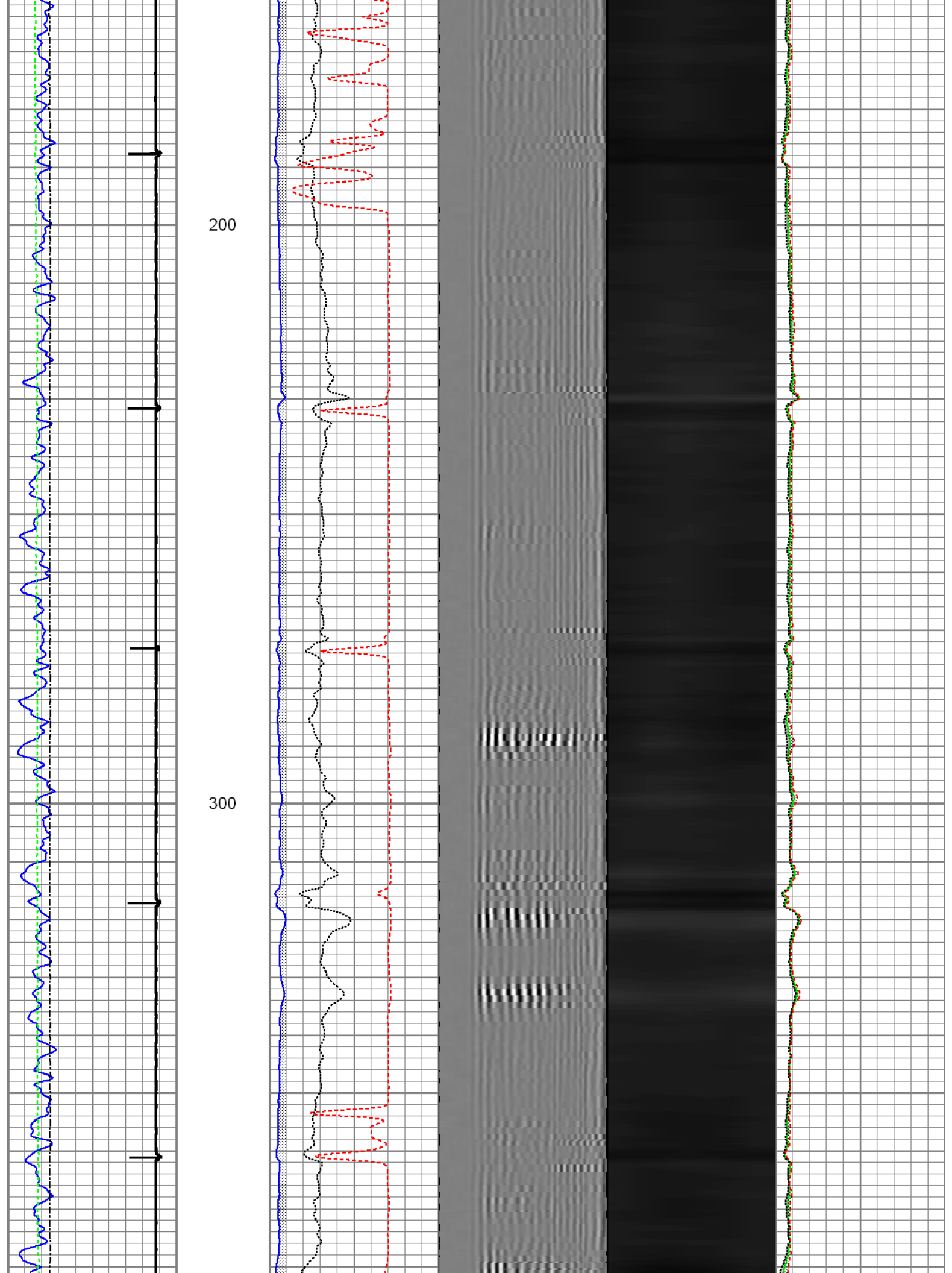
<<< Fold Here >>>
<p>All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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 Reference to Casing Tally reported liner top at 6930 FT.            Adjusted log -2 FT to correlate with Liner Top.            Log ran from below the liner top to surface.            No debris found upon completion of logging.            Log ran with 2800 PSI surface induced pressure.</p> <p>Thank you for choosing FMC Technologies Completion Services, Inc.!!</p>

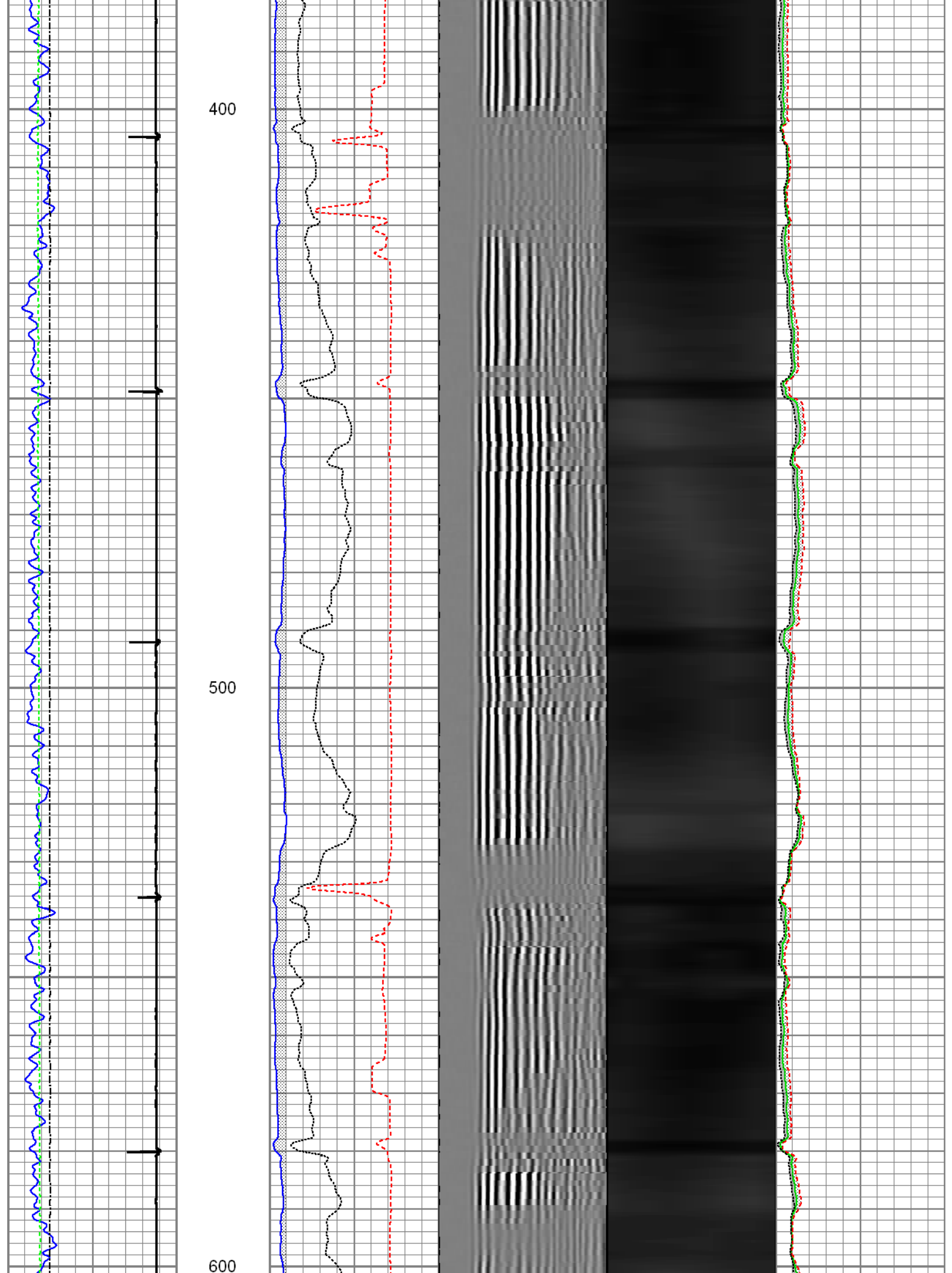


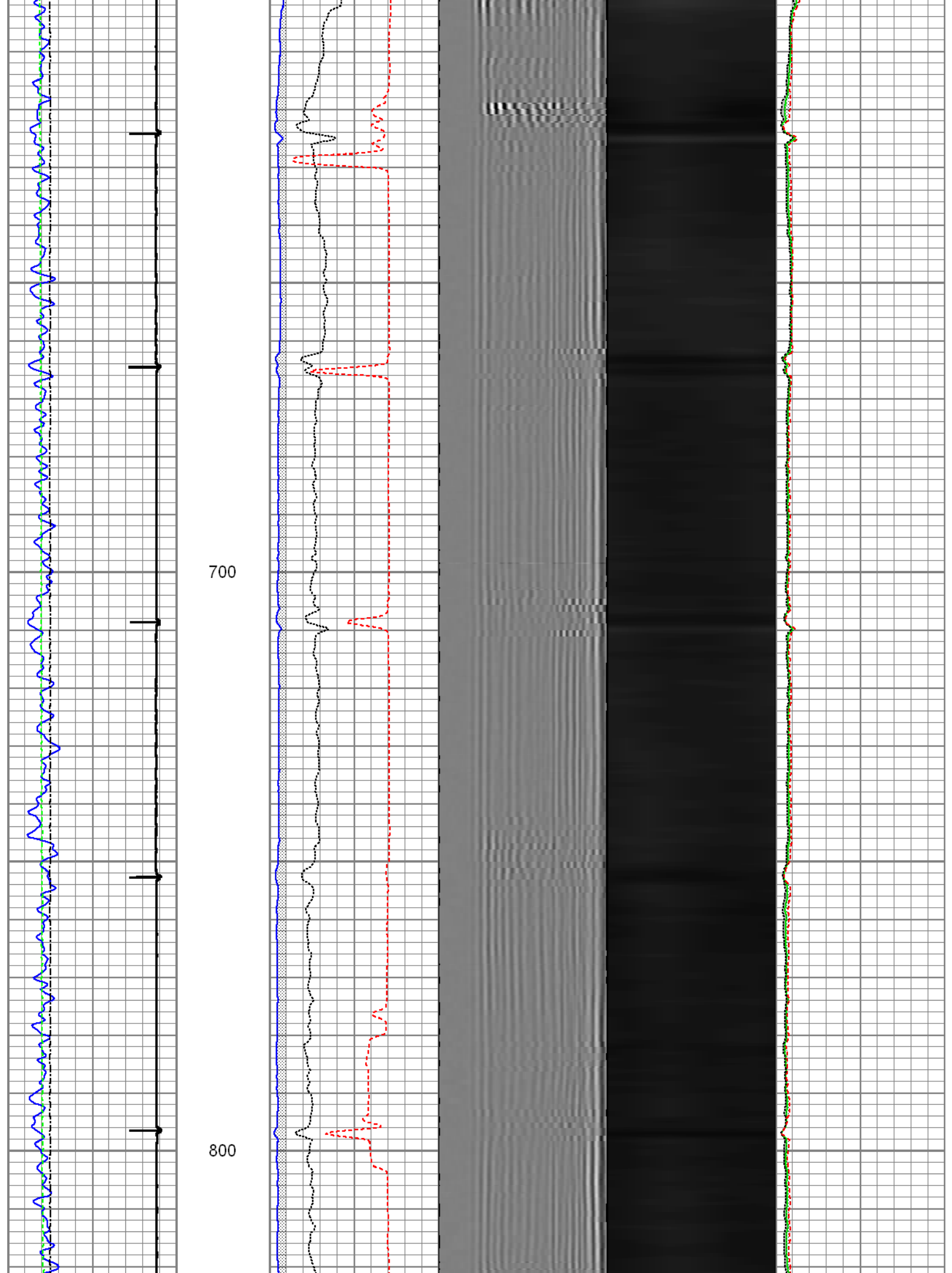
Database File: 0512339376\_anadarko\_sickler 1n-34hz\_08-18-14\_mit\_rbl.db  
Dataset Pathname: pass5  
Presentation Format: rbt4\_mit  
Dataset Creation: Mon Aug 18 07:46:34 2014 by Log SCH 111116  
Charted by: Depth in Feet scaled 1:240

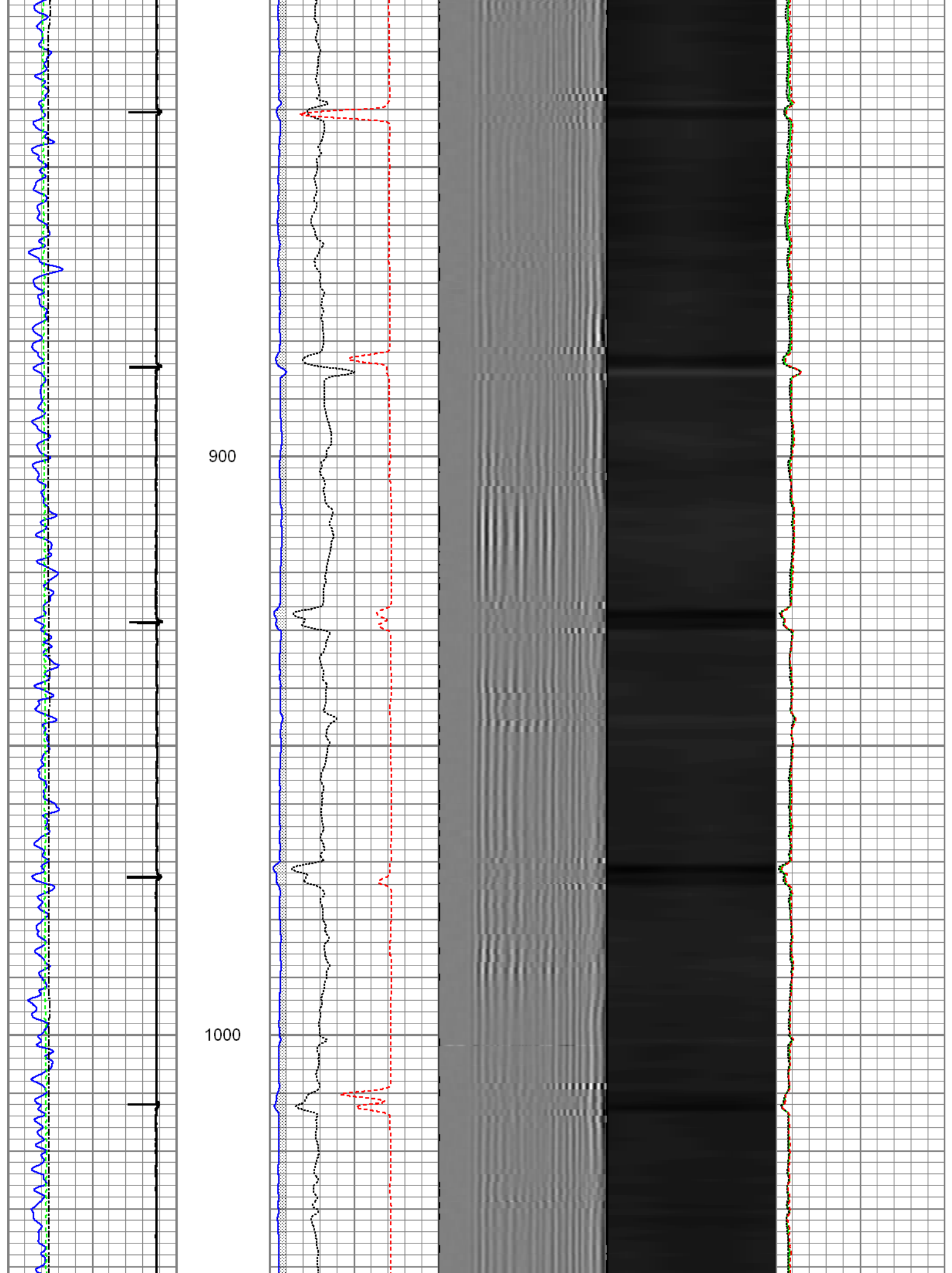
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
Line Speed	0 (mV) 20			0 100
-100 (ft/min) 100	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000				

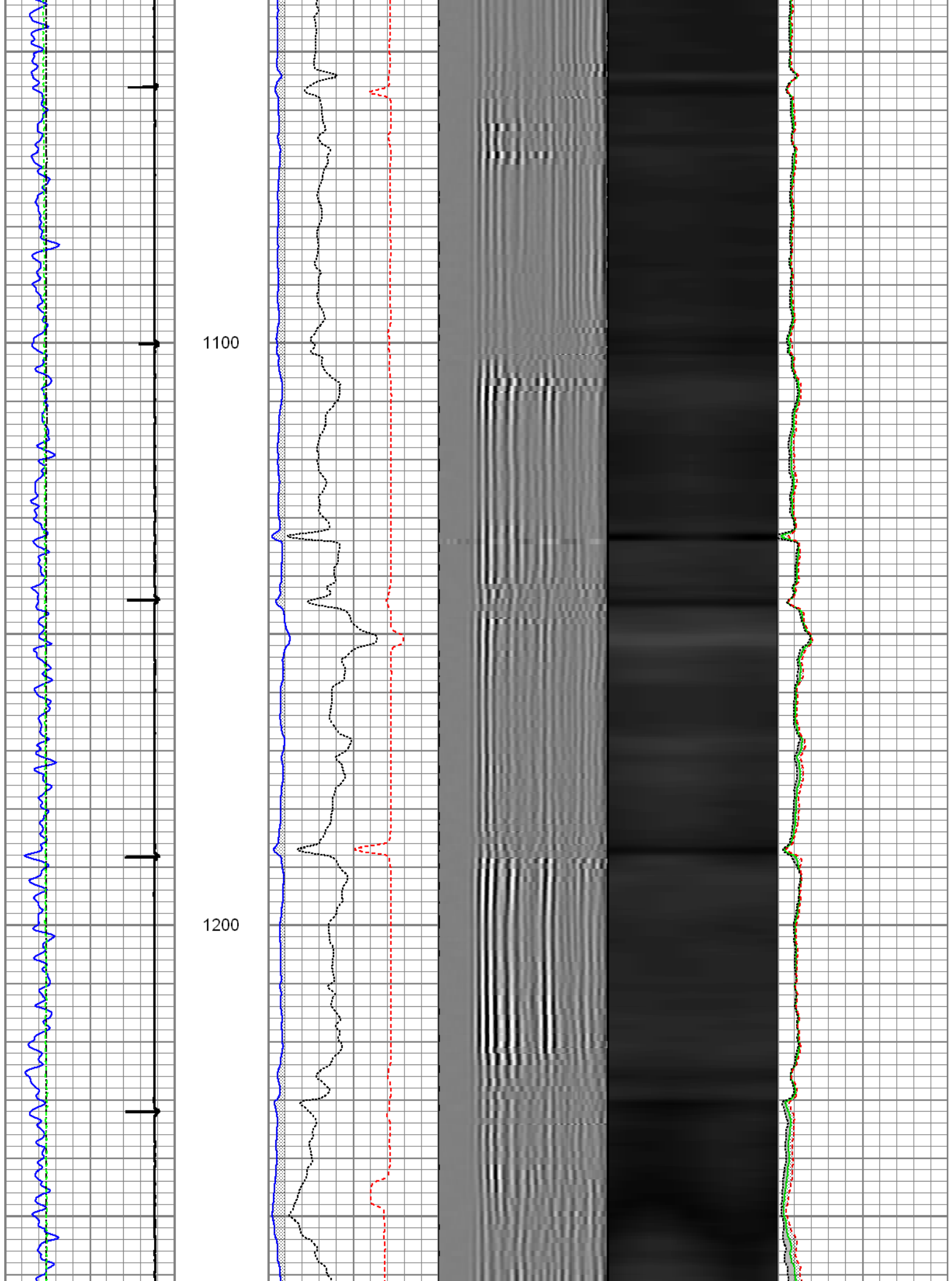


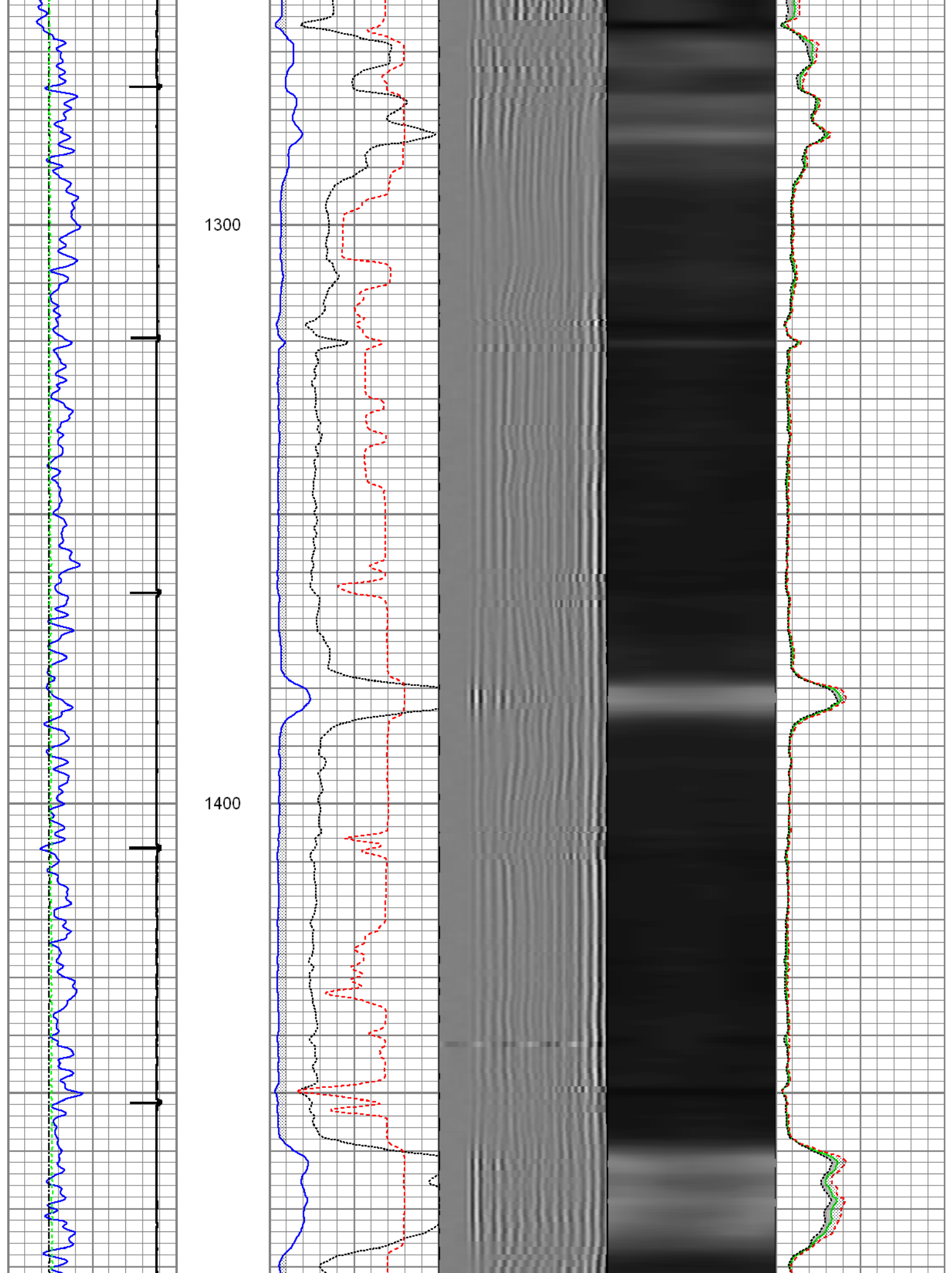


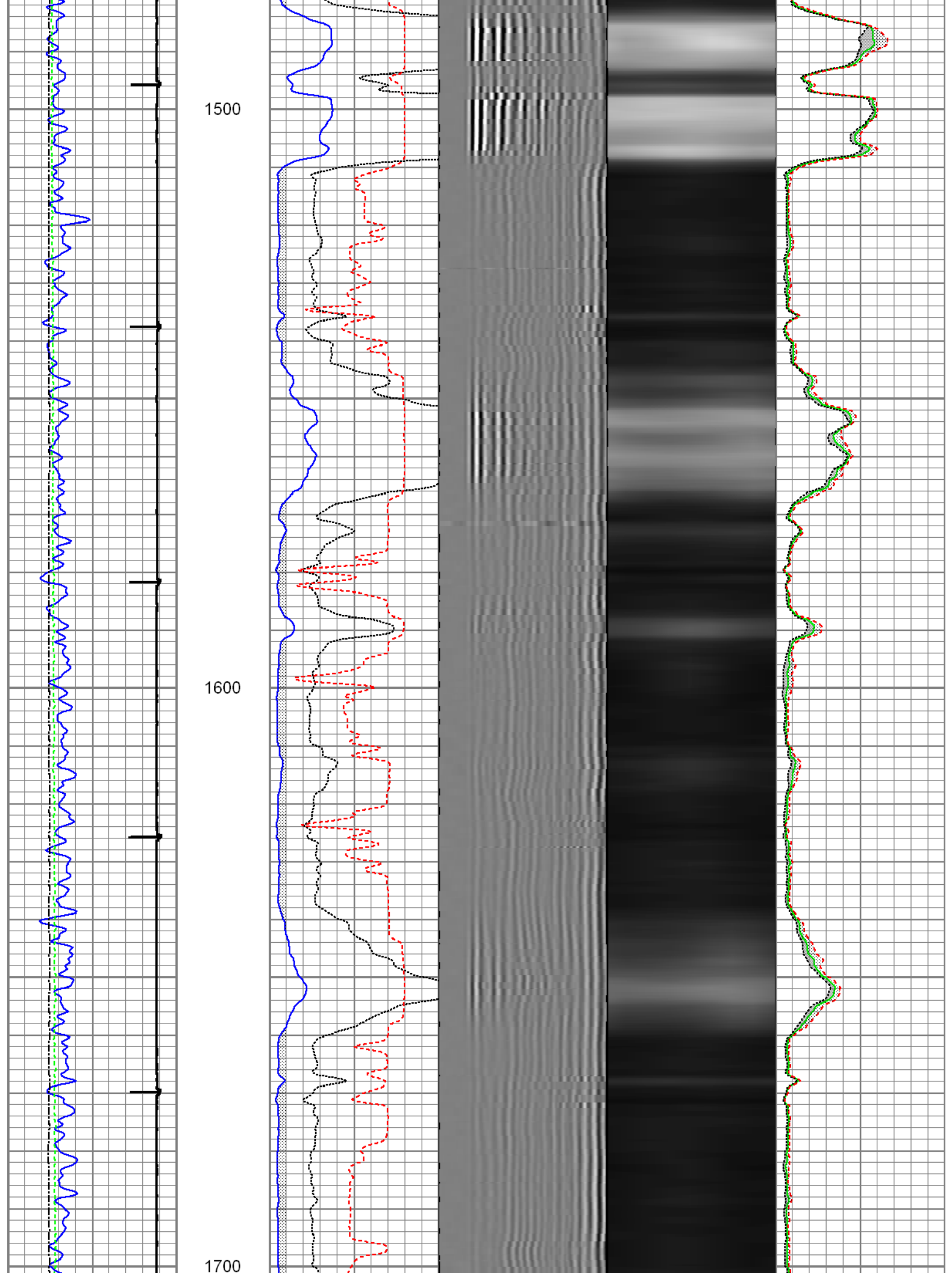


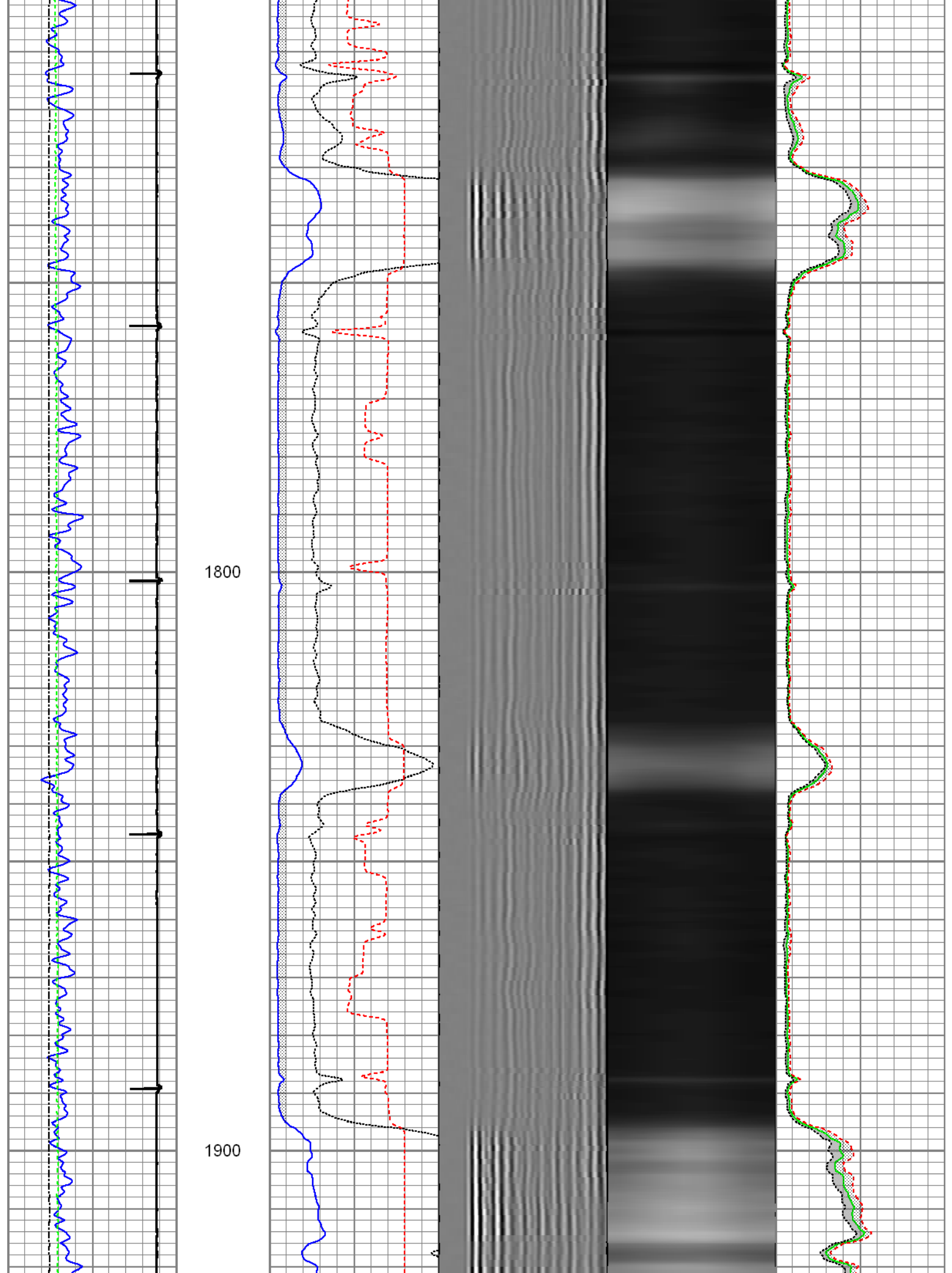


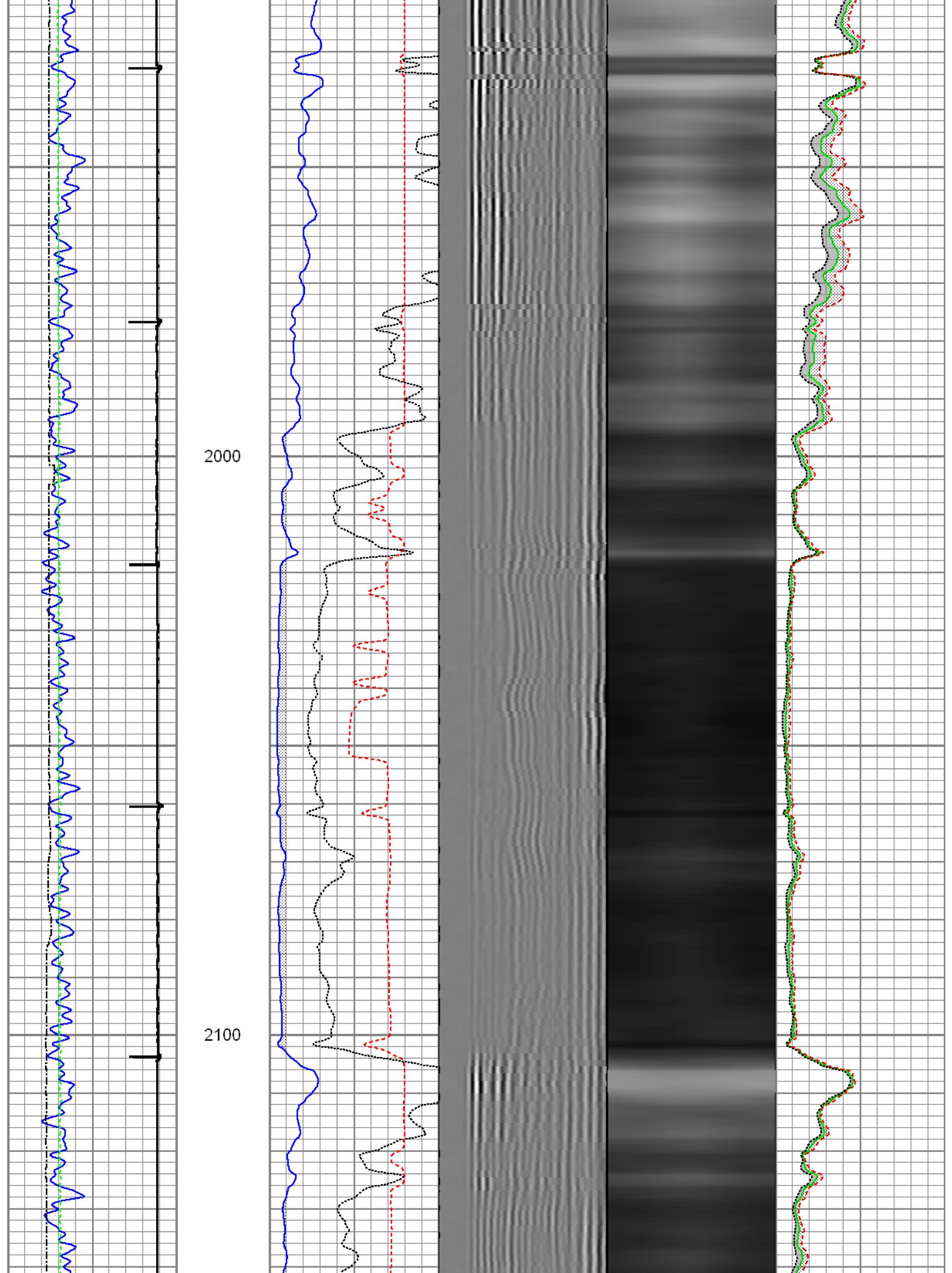


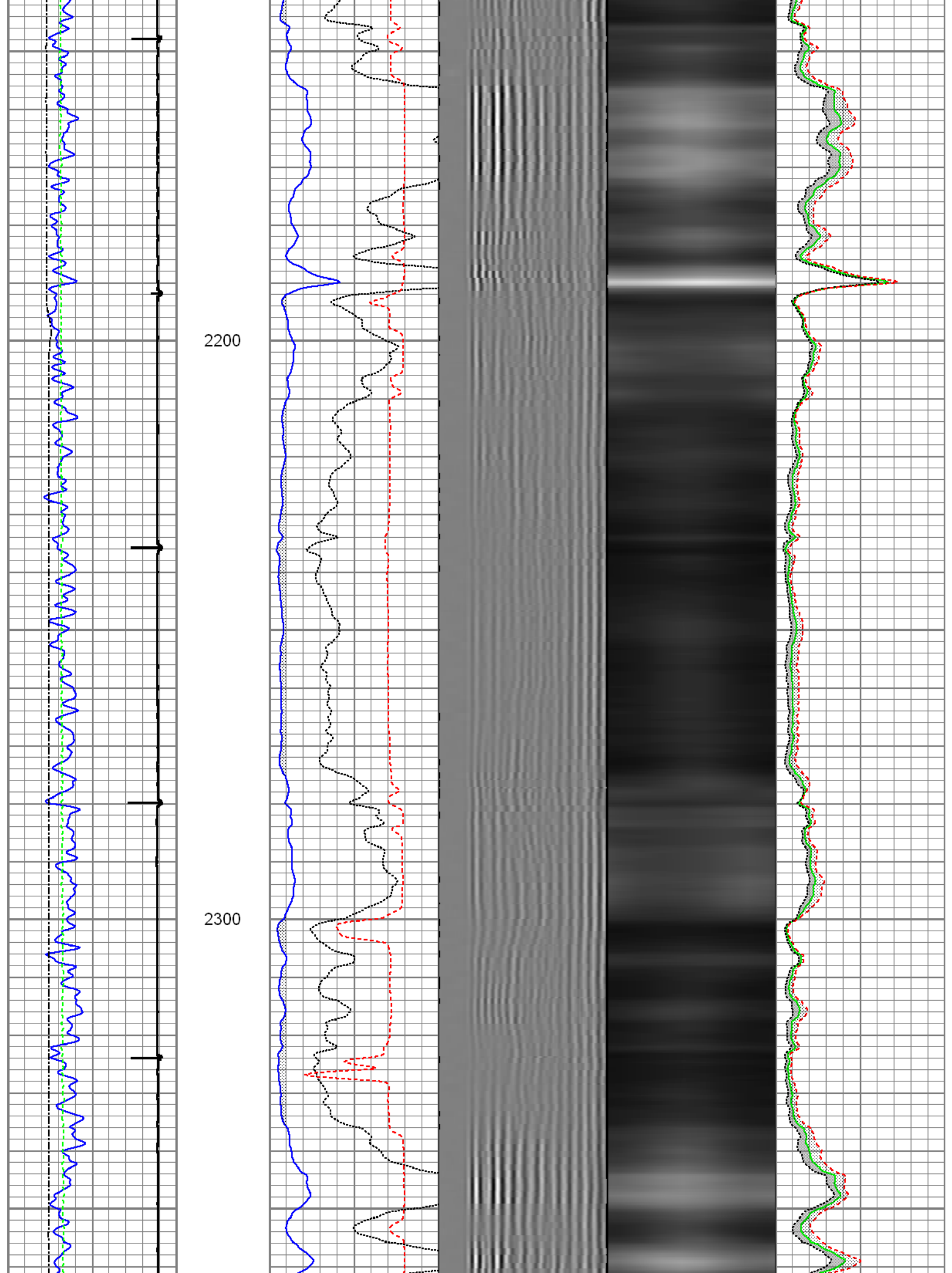






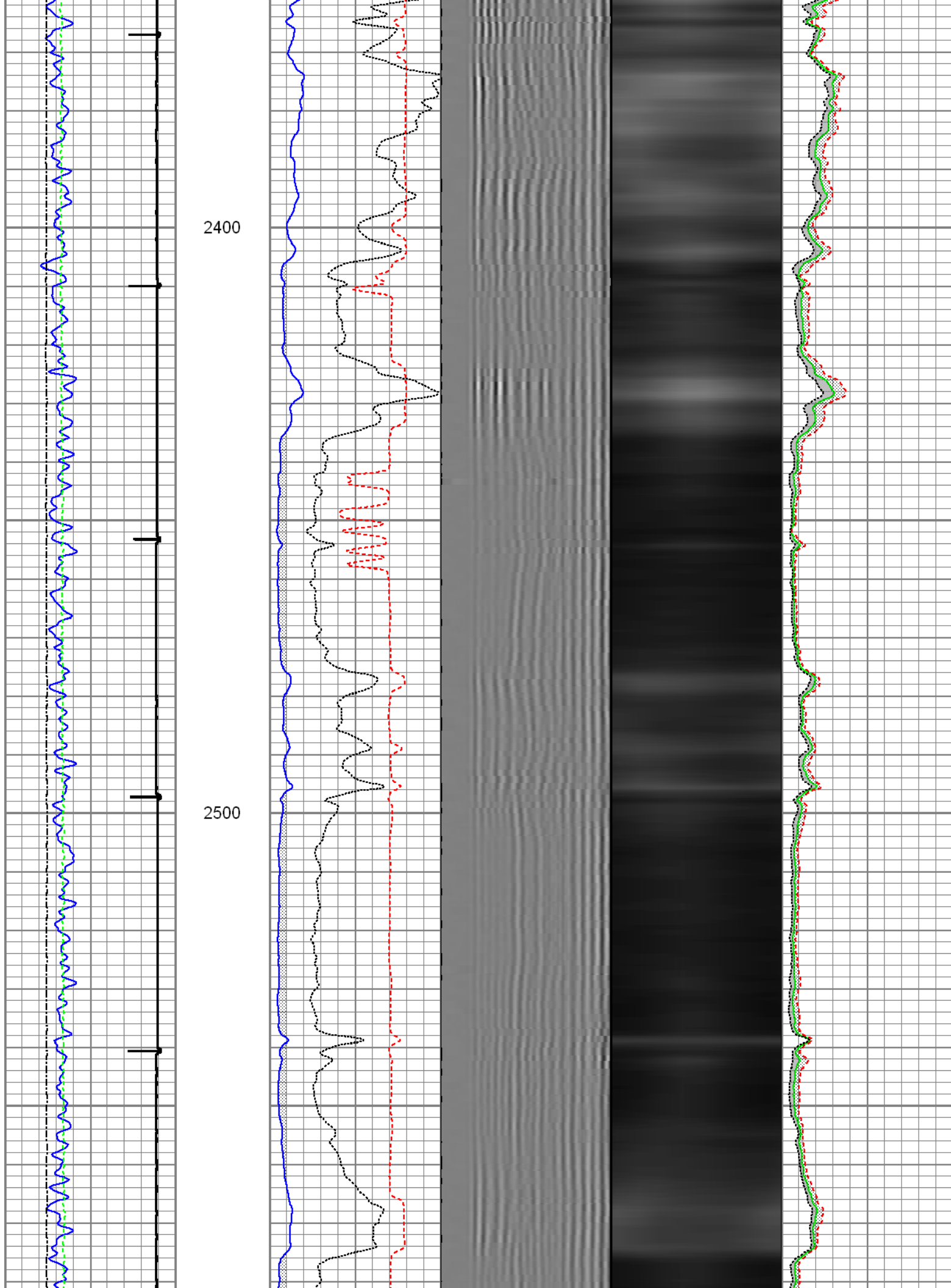


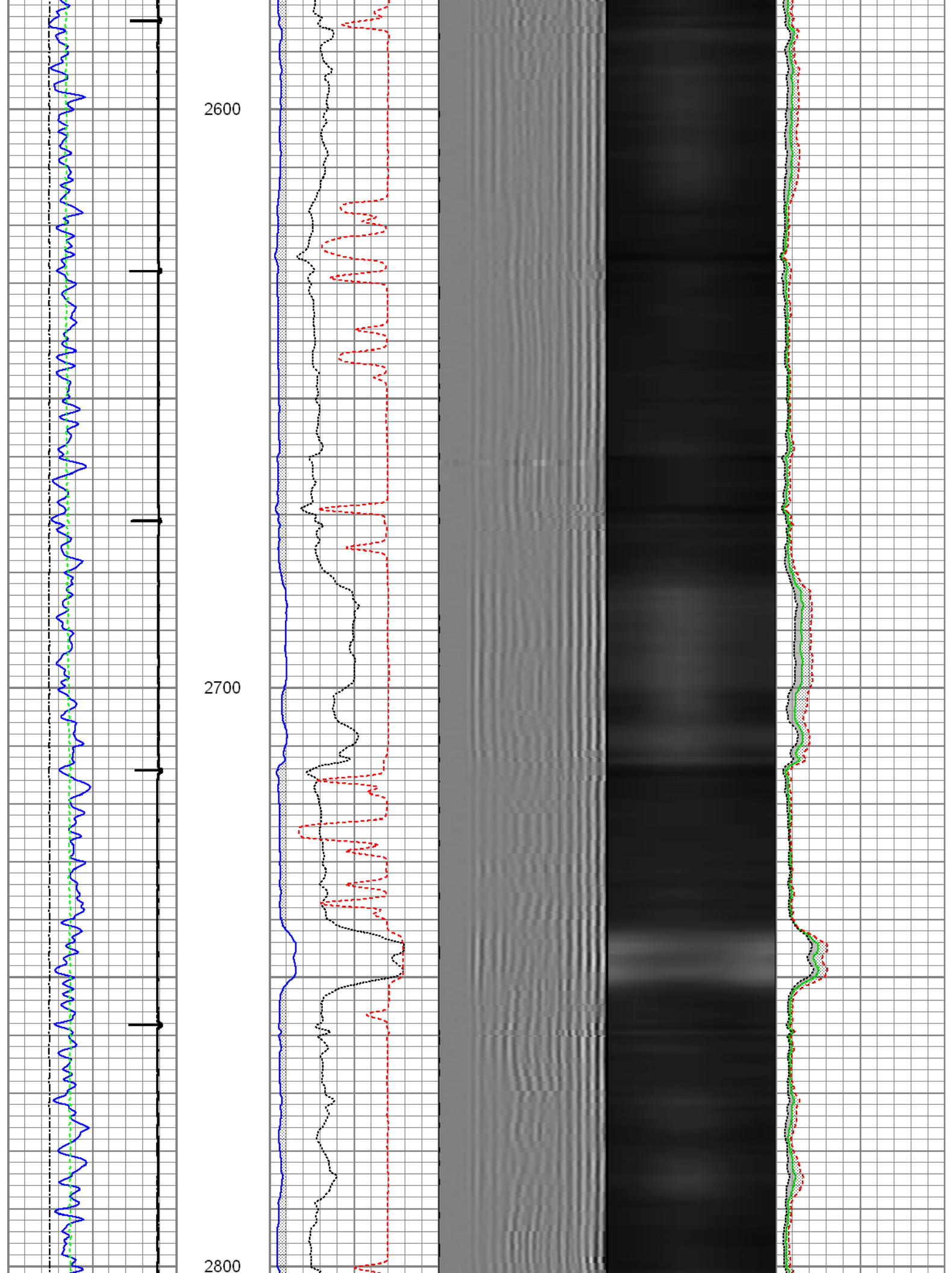


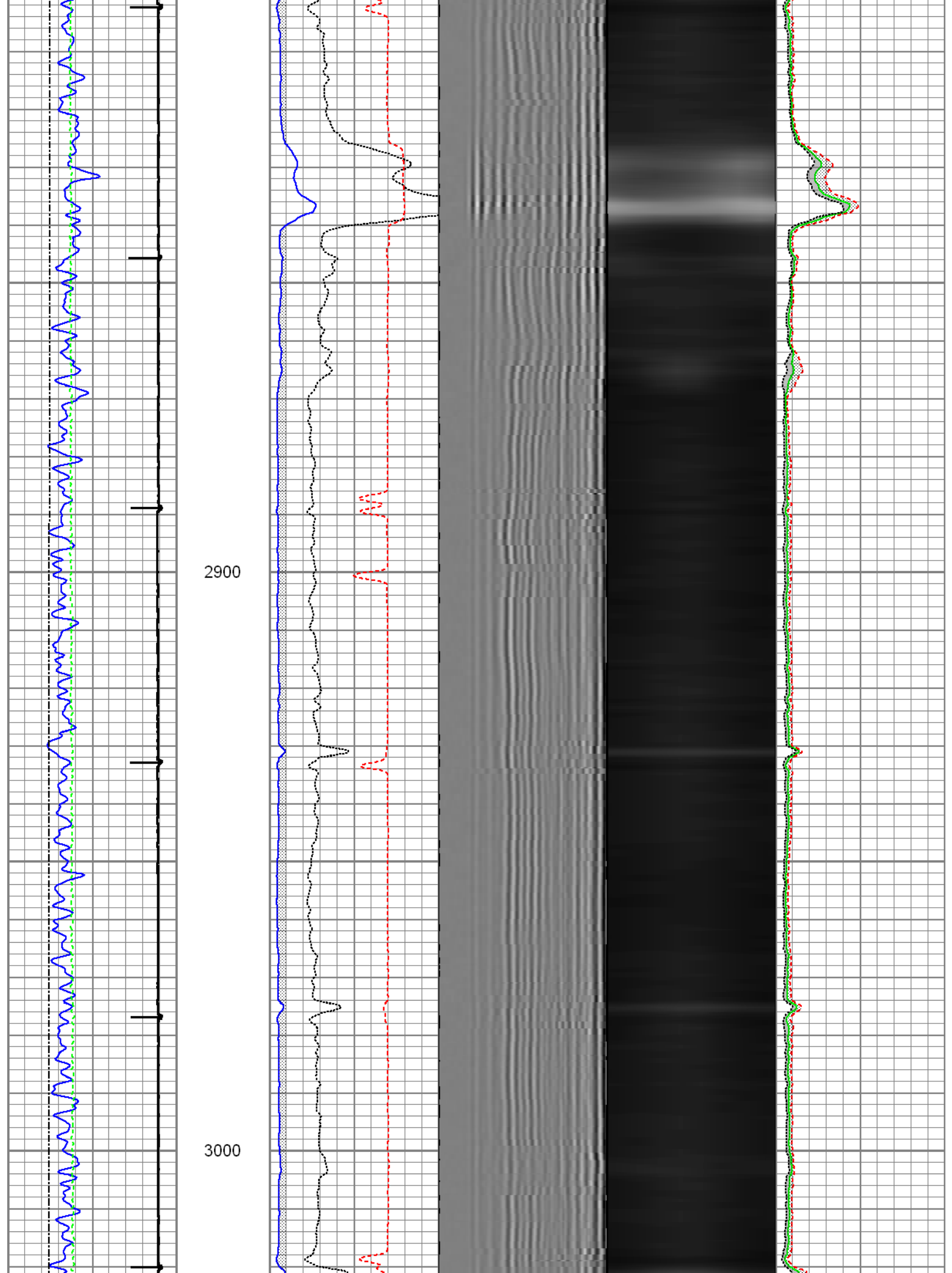


2400

2500

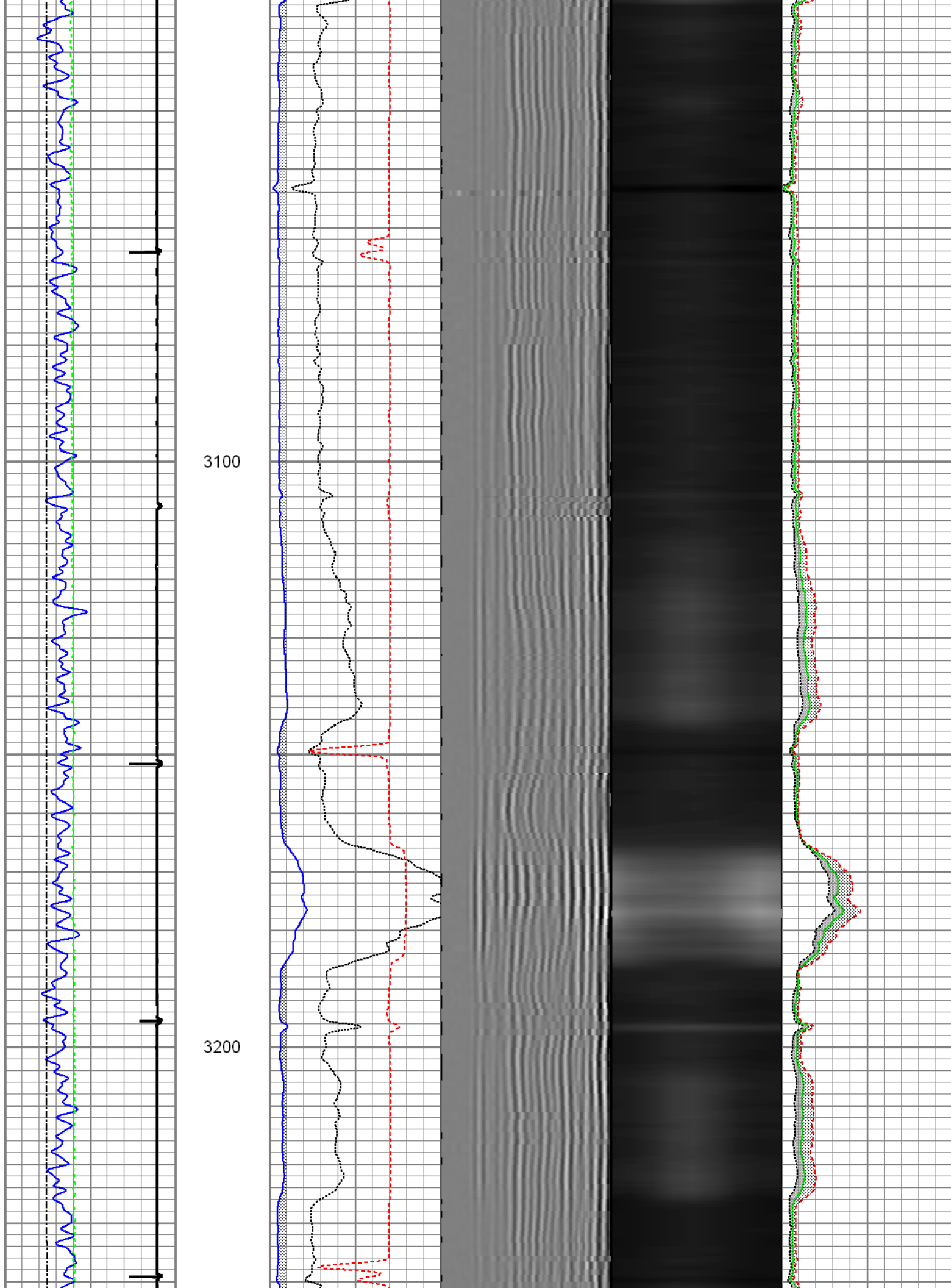






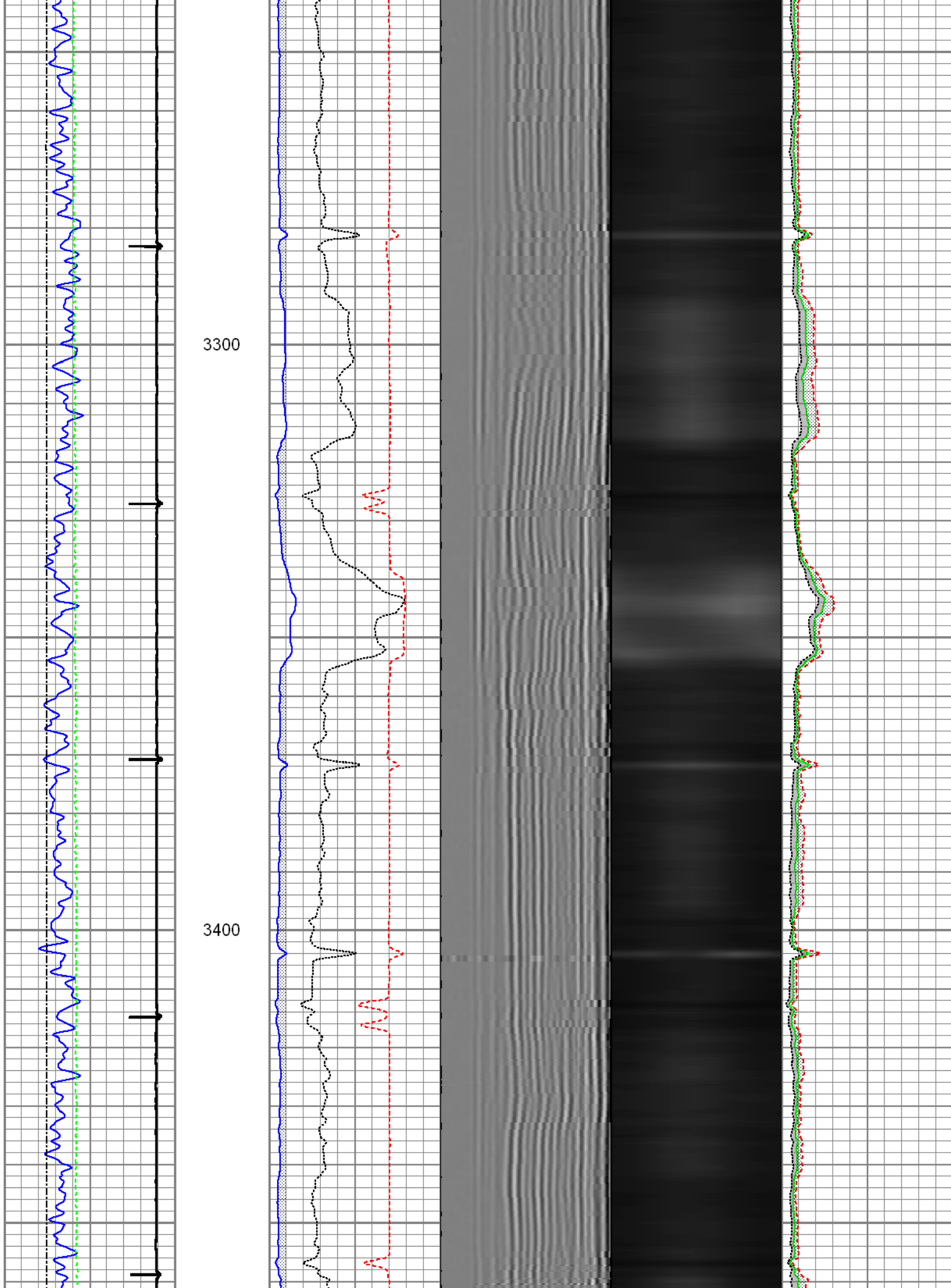
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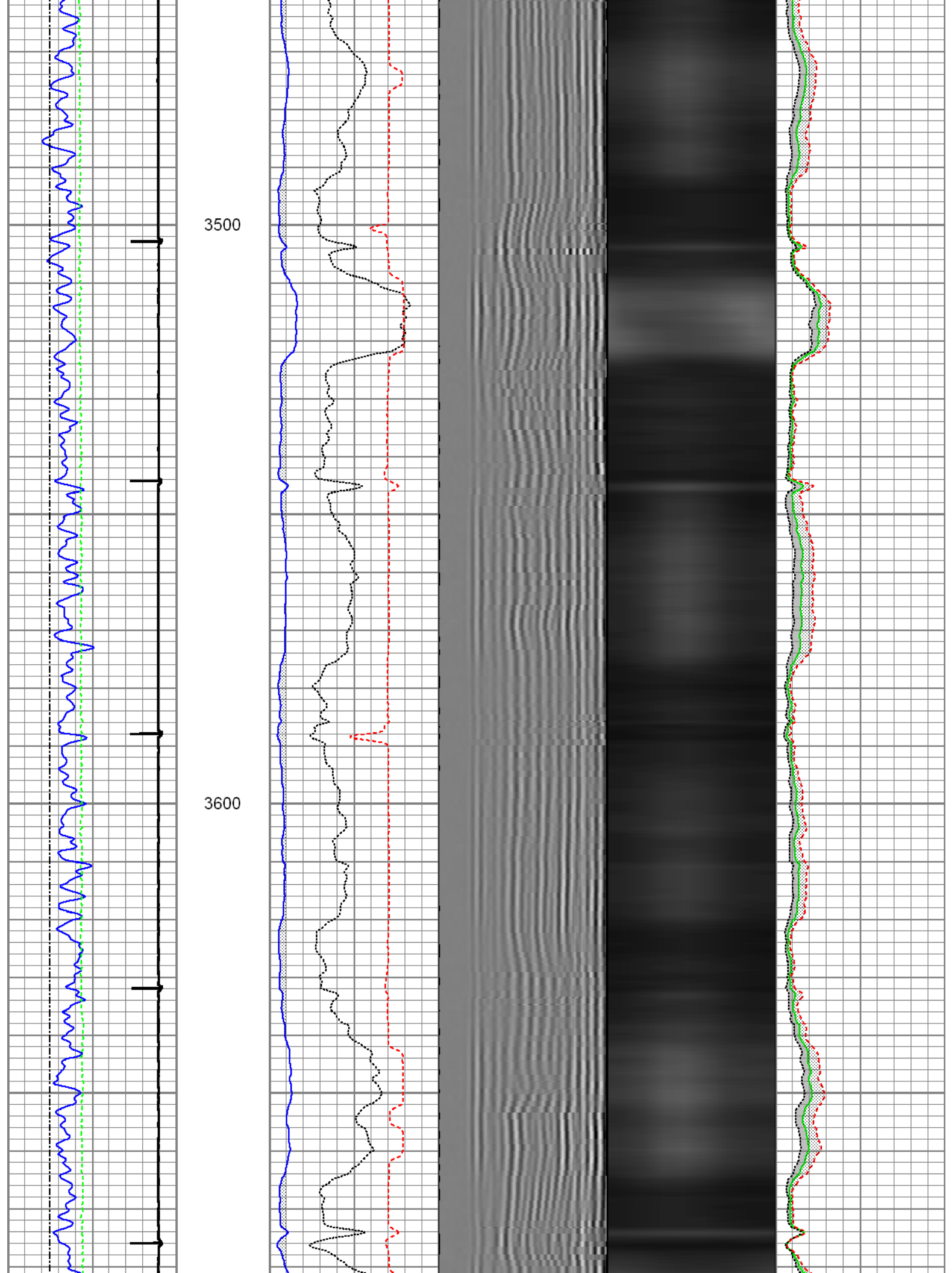
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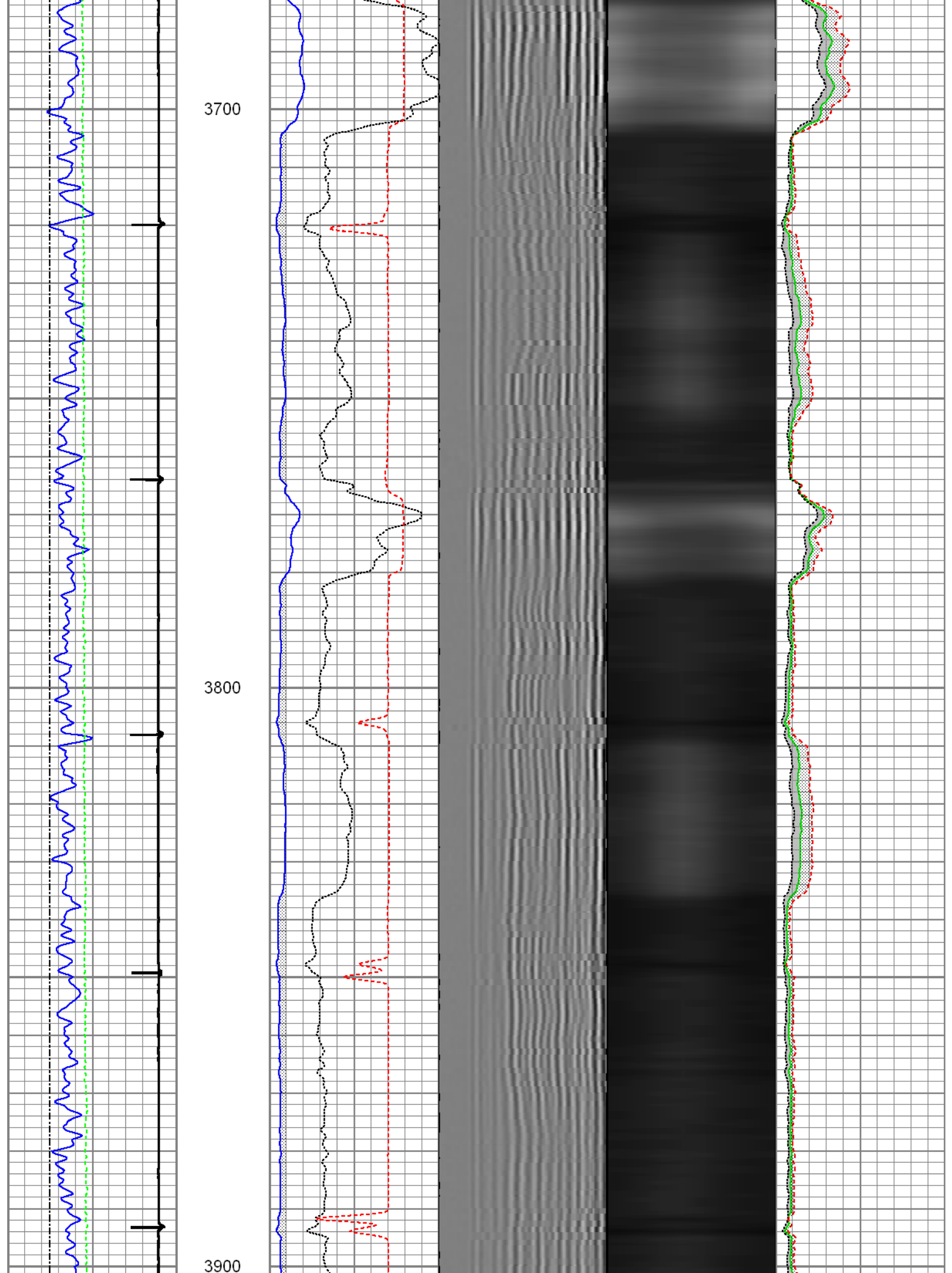


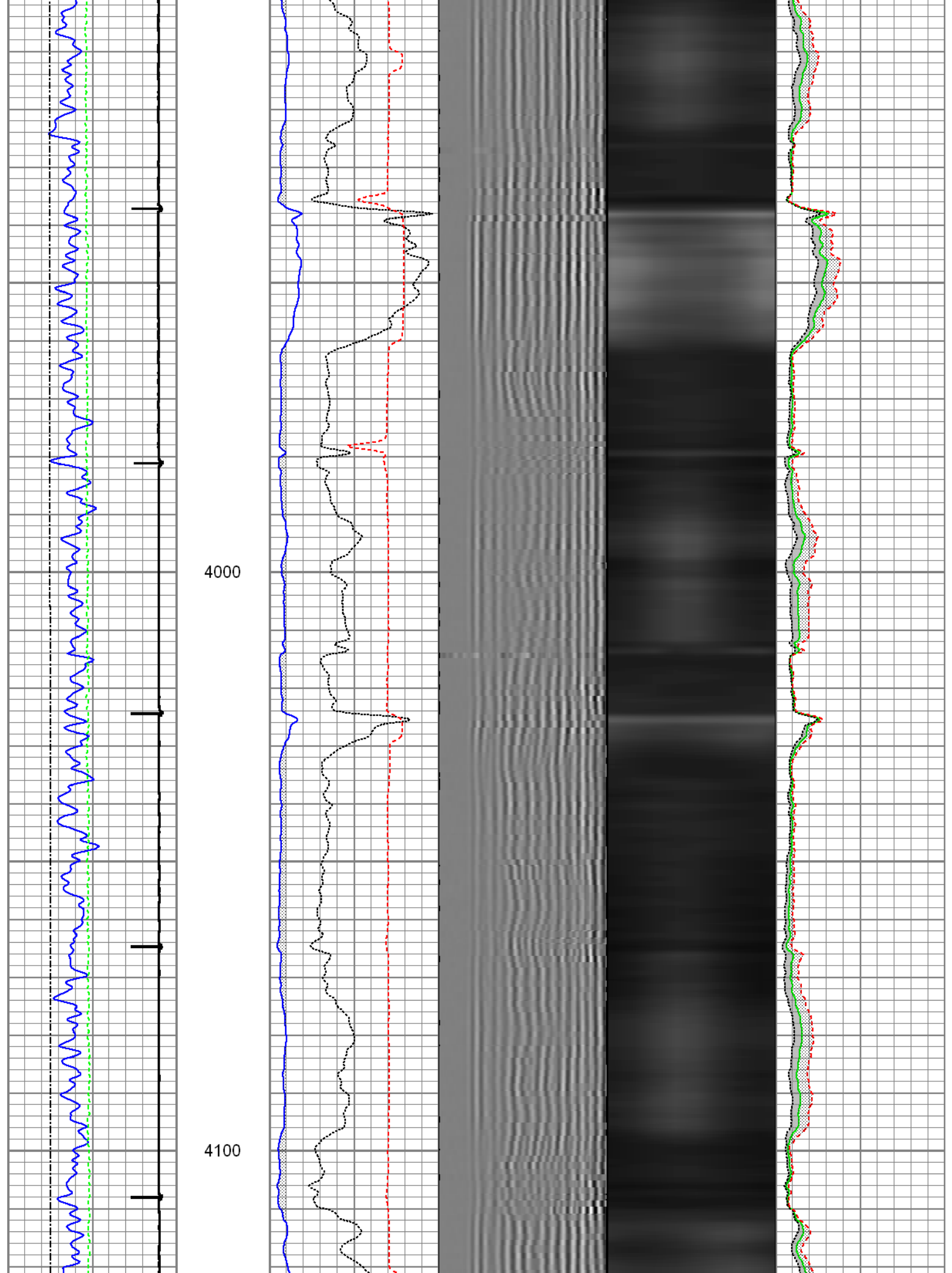
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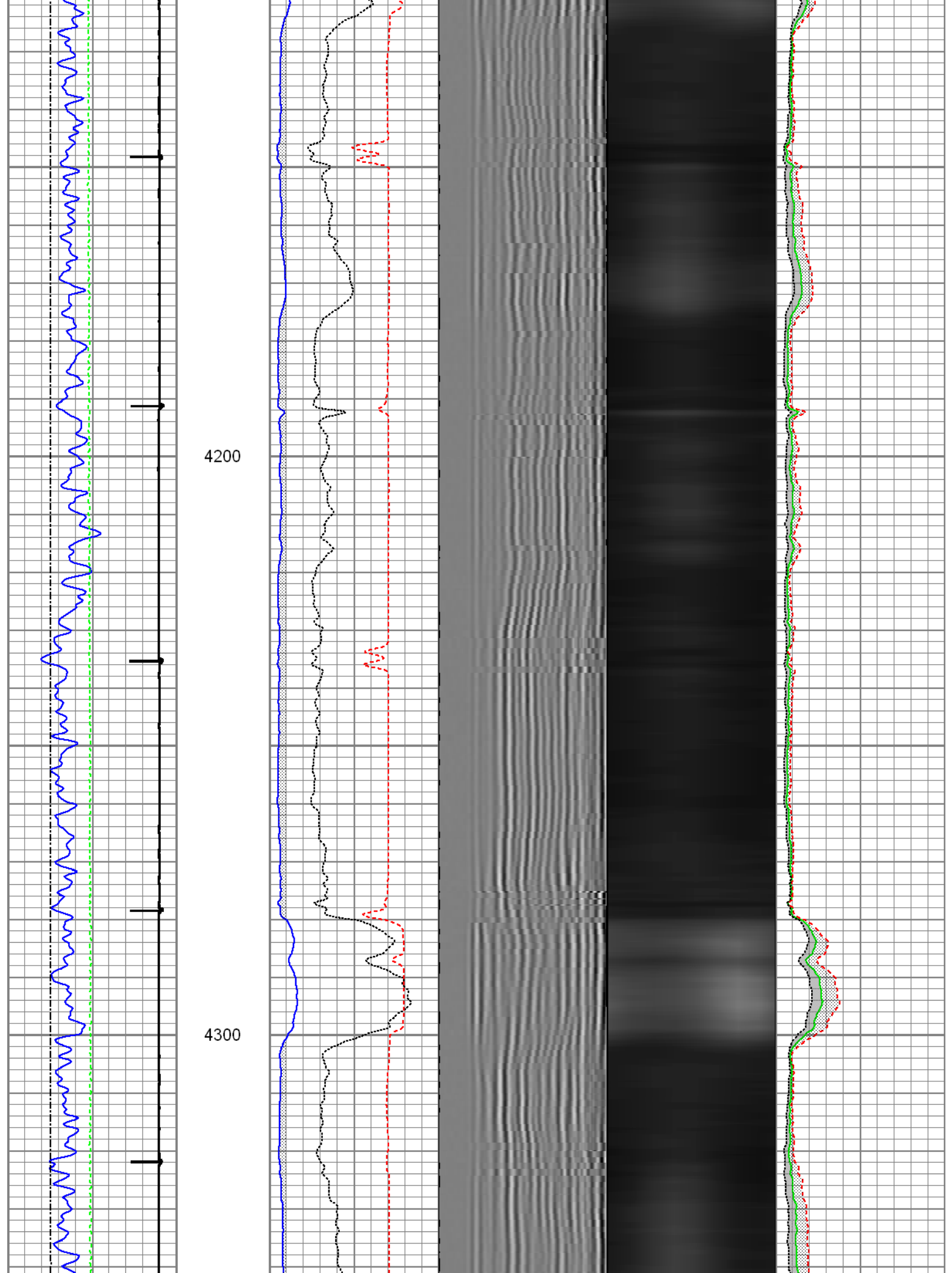
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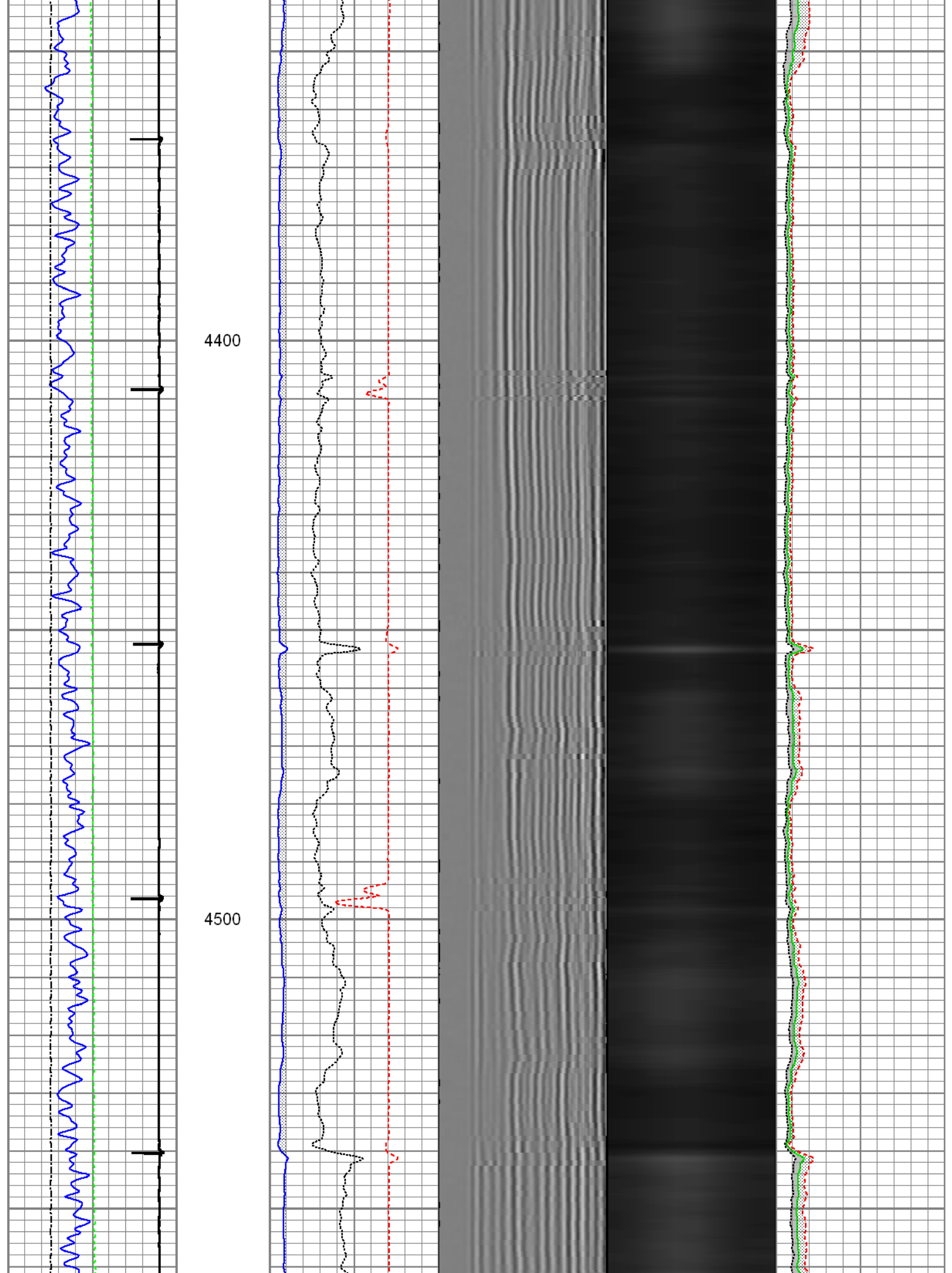






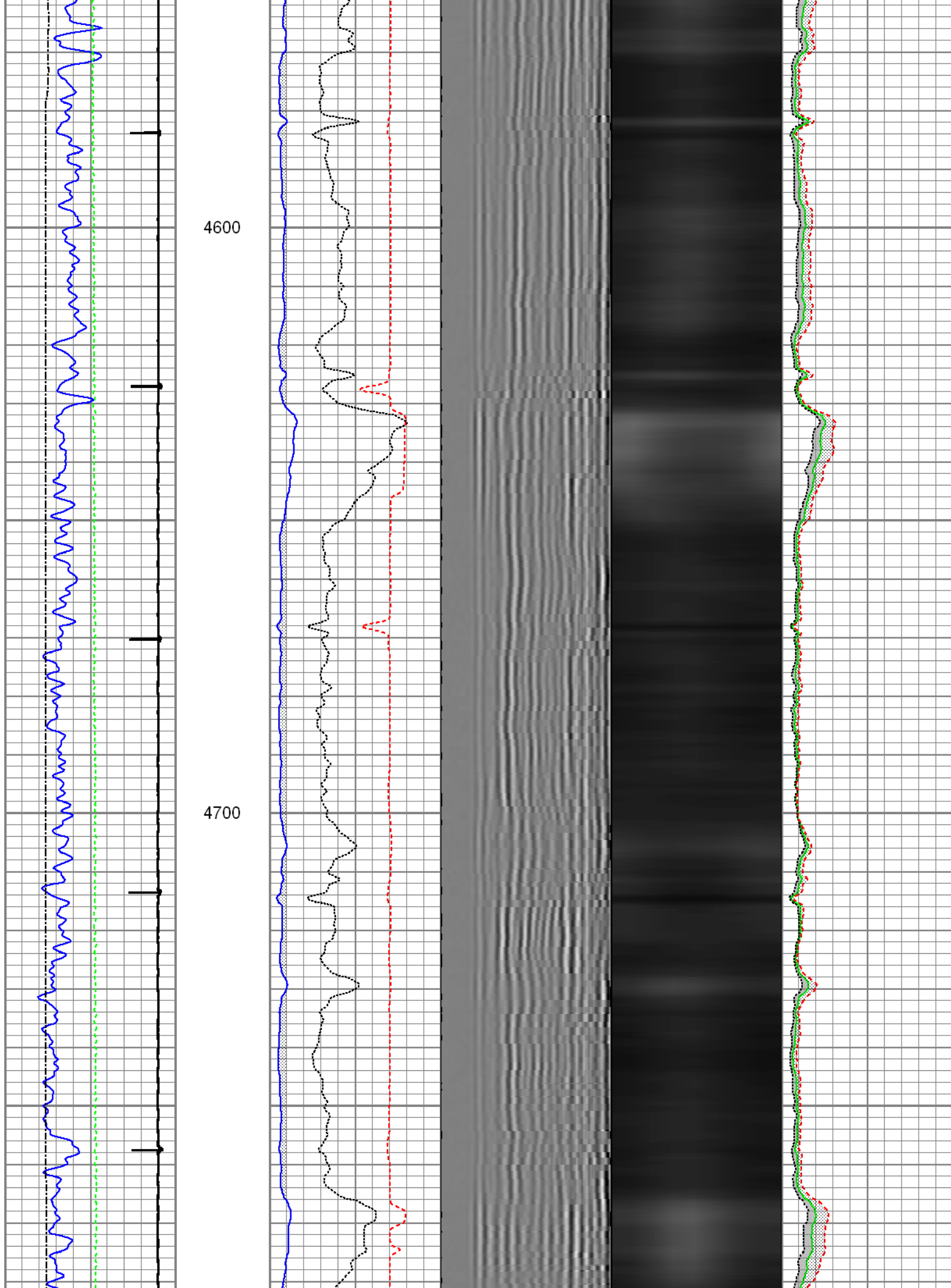


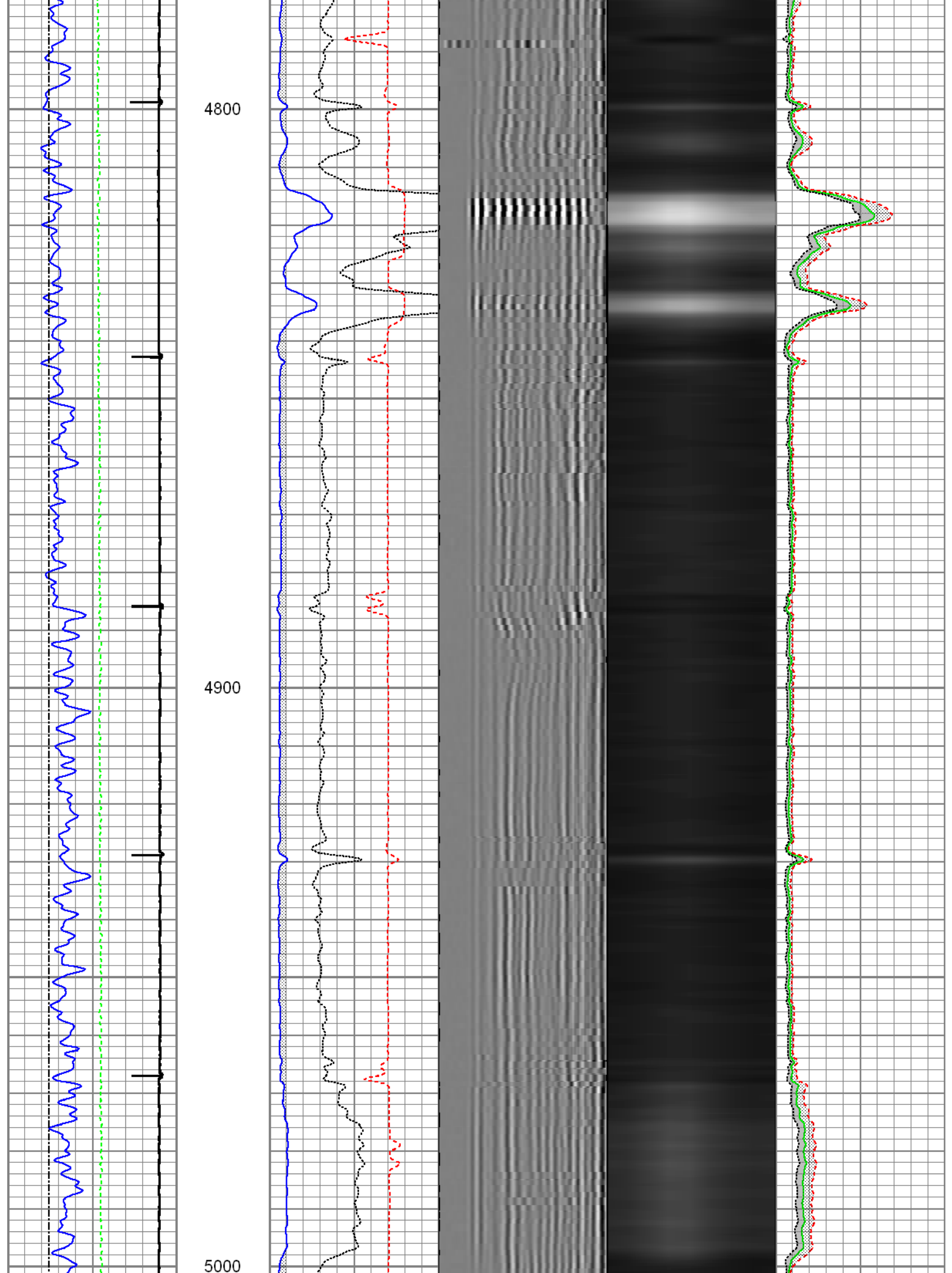


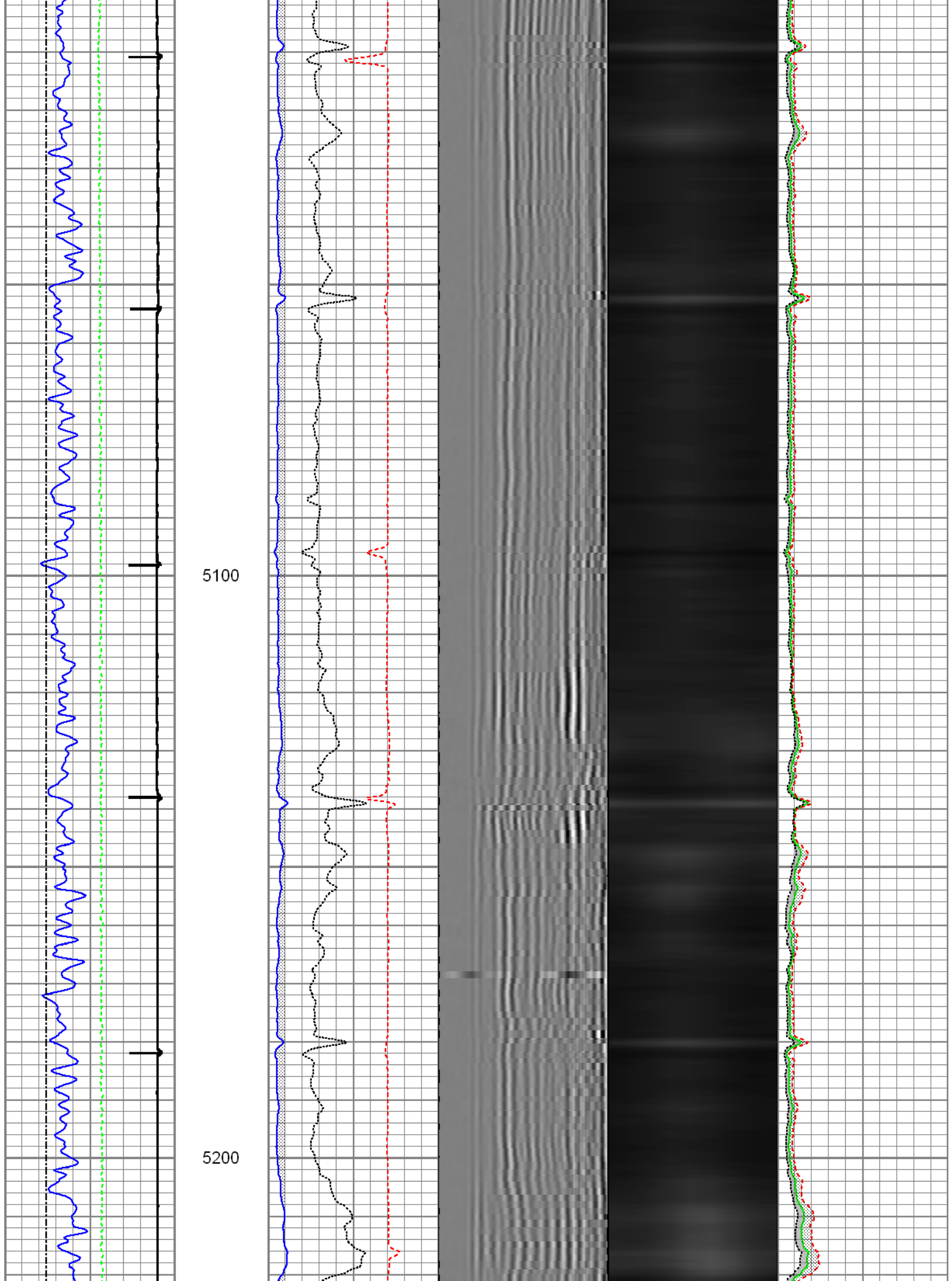


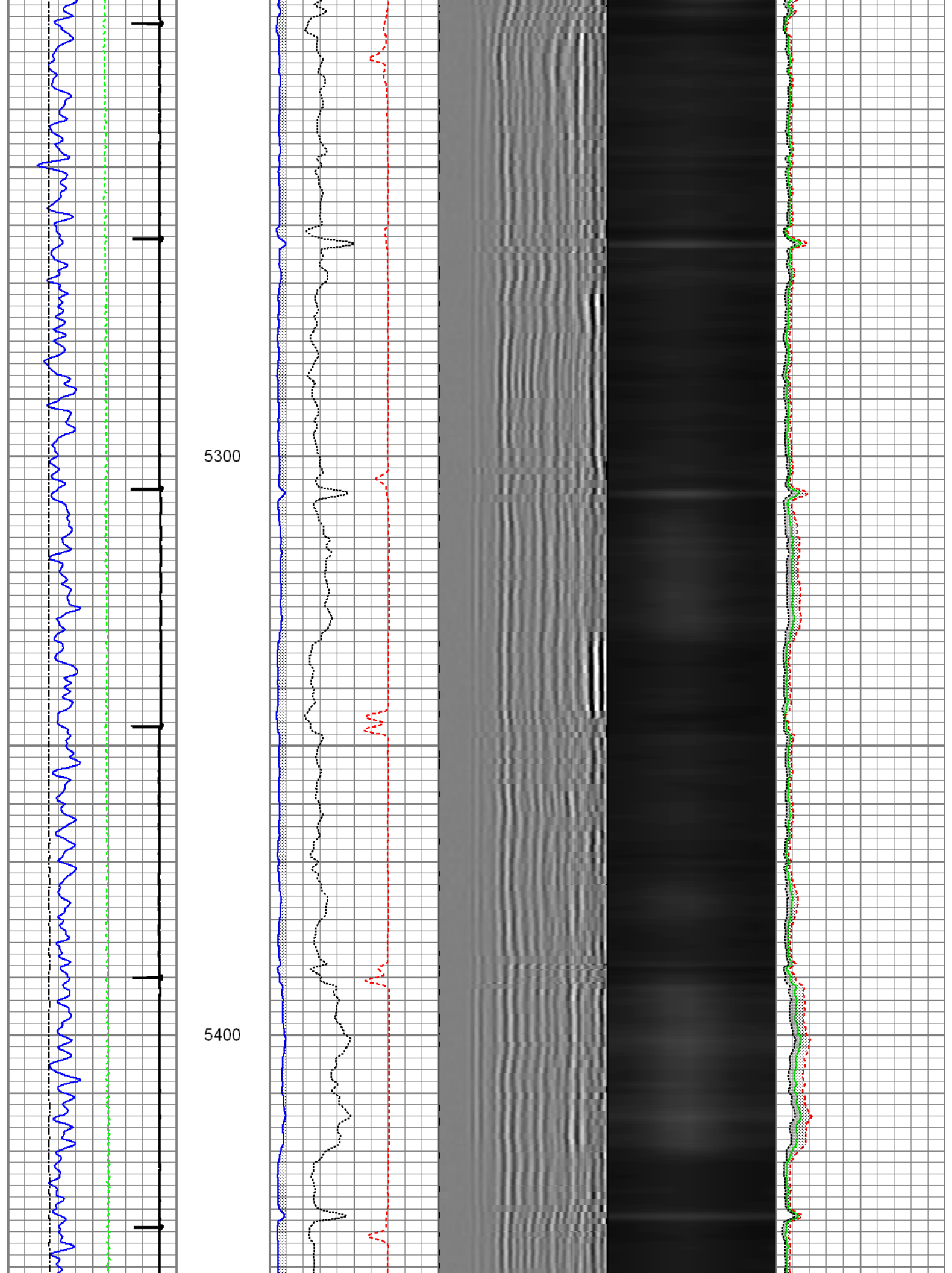
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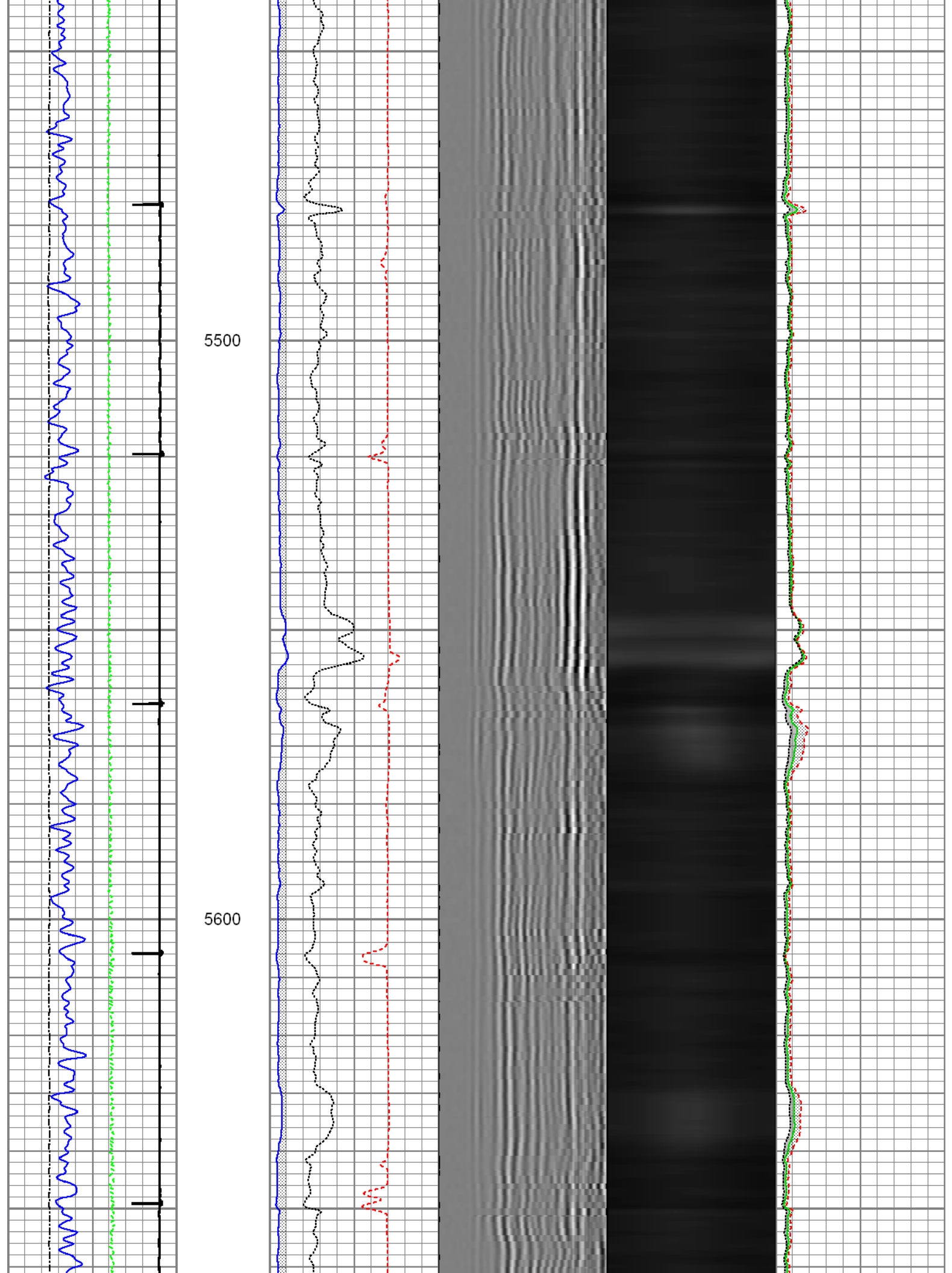
4700





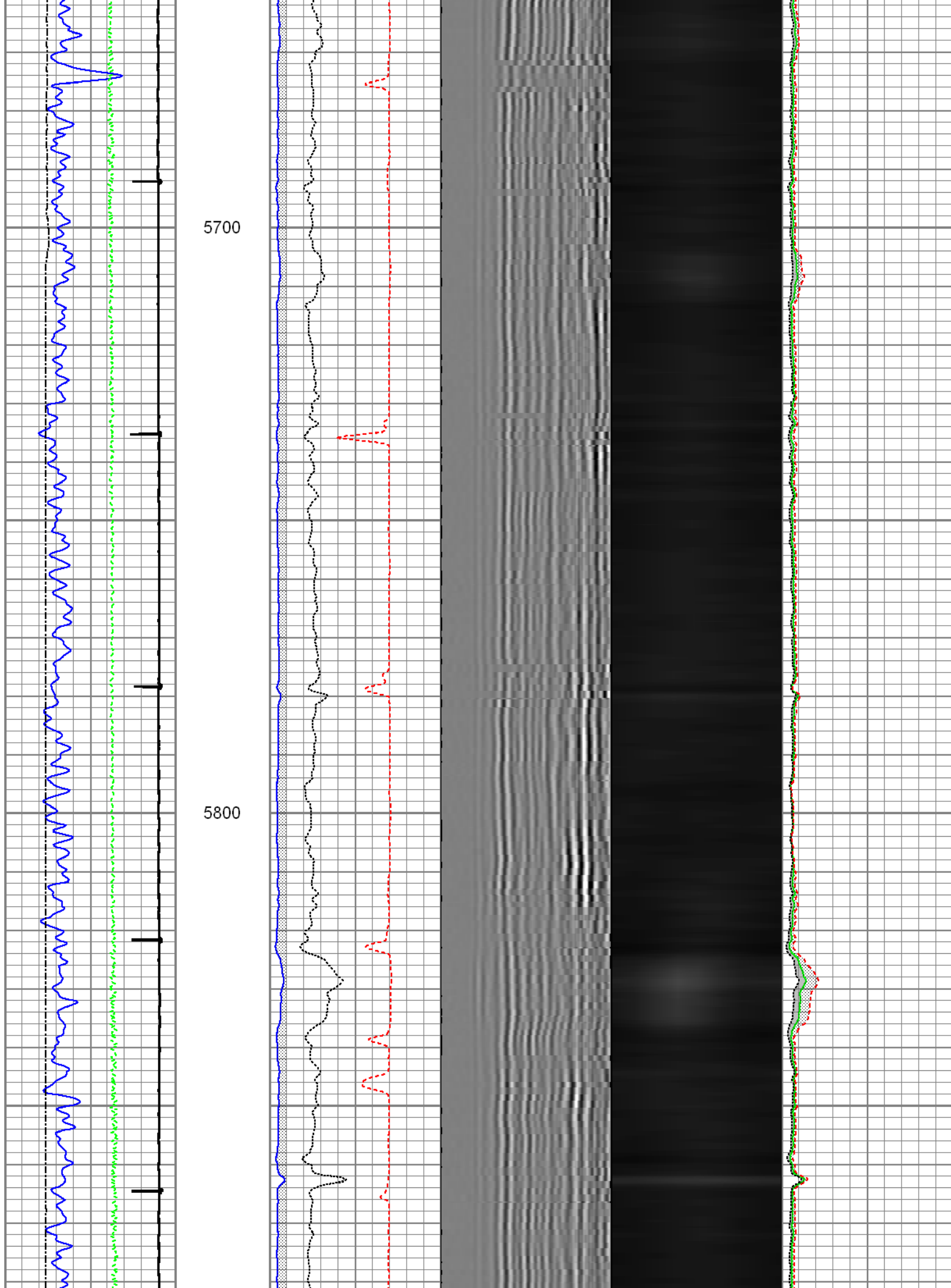


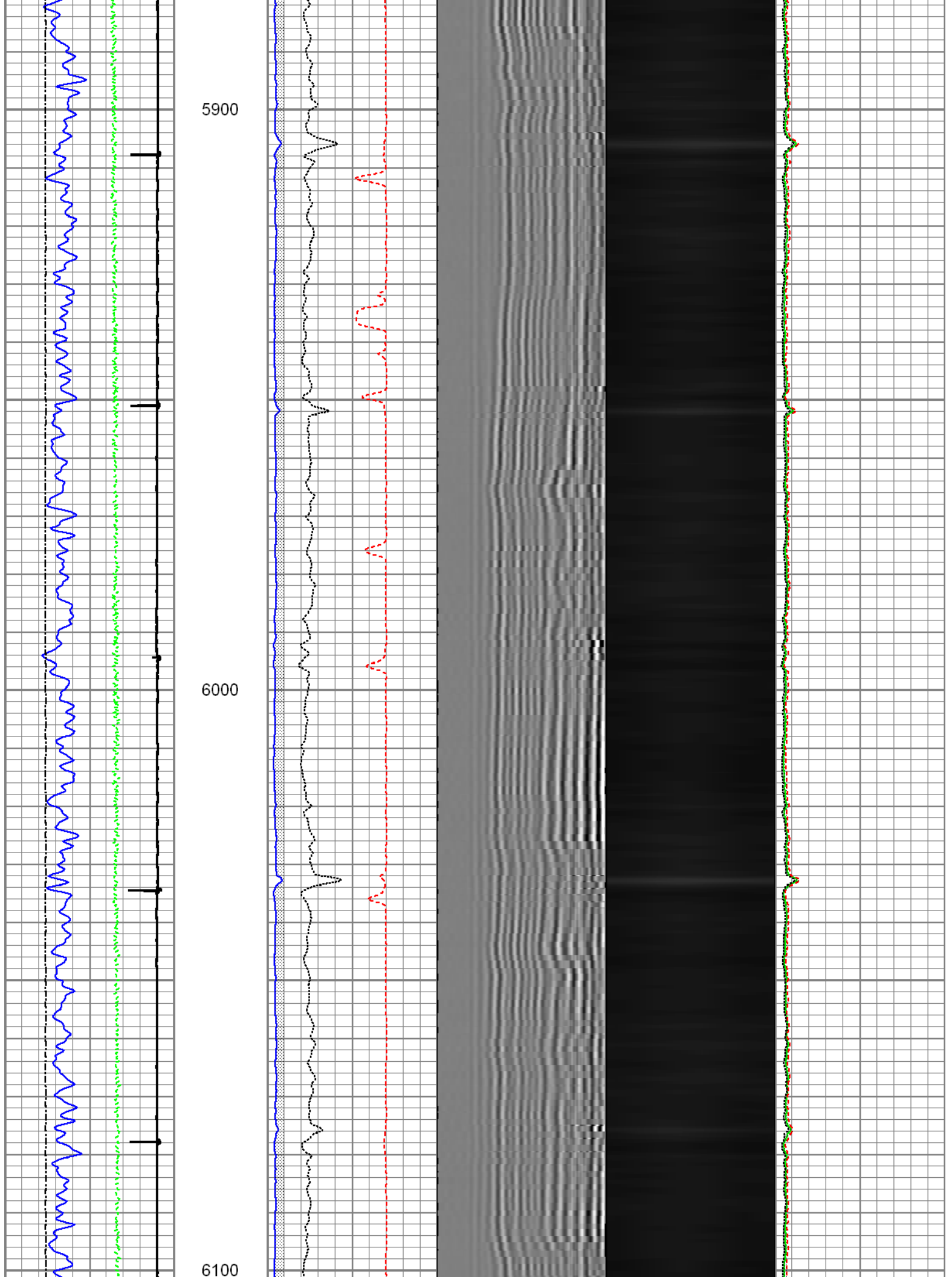


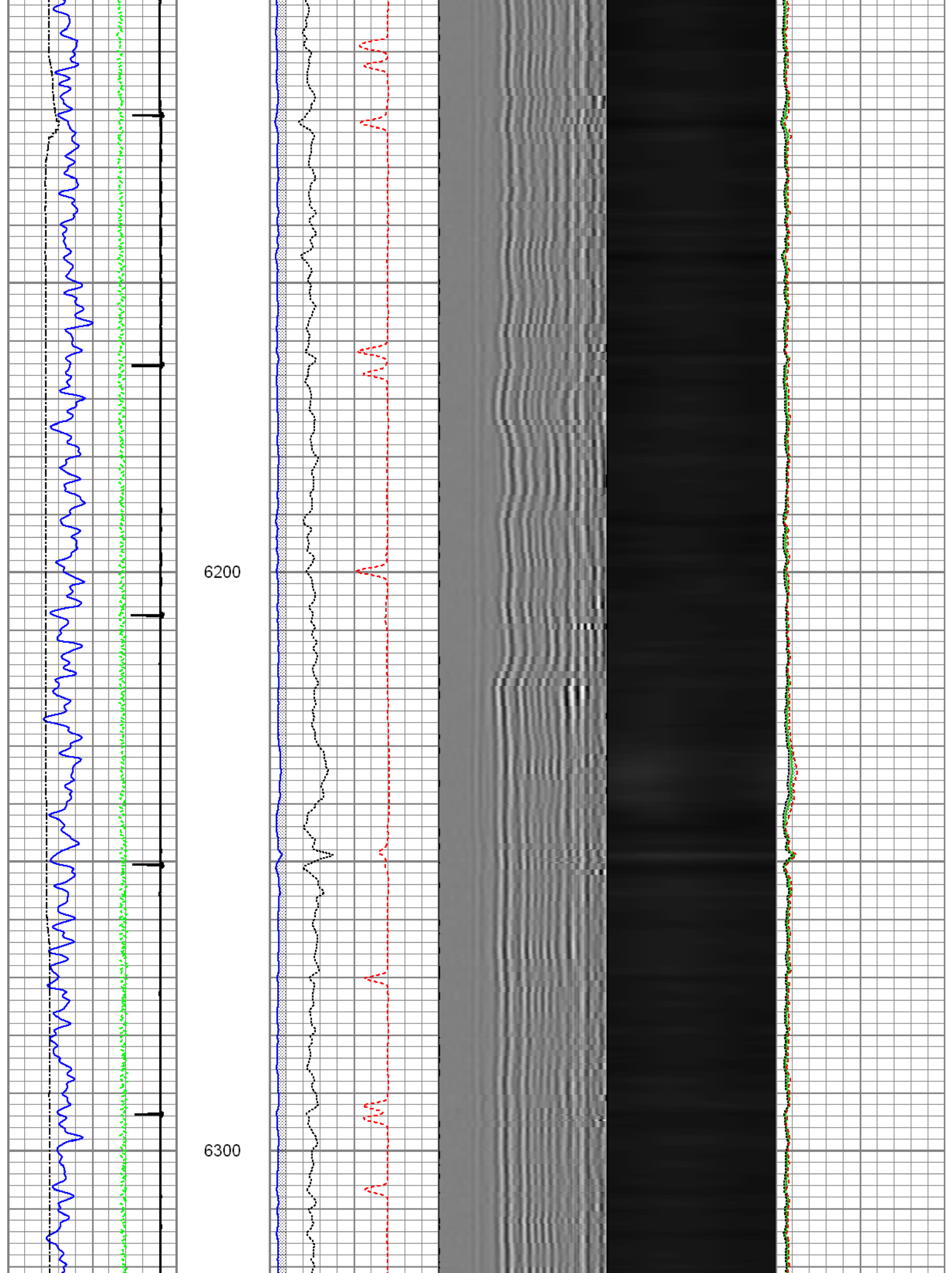


5700

5800

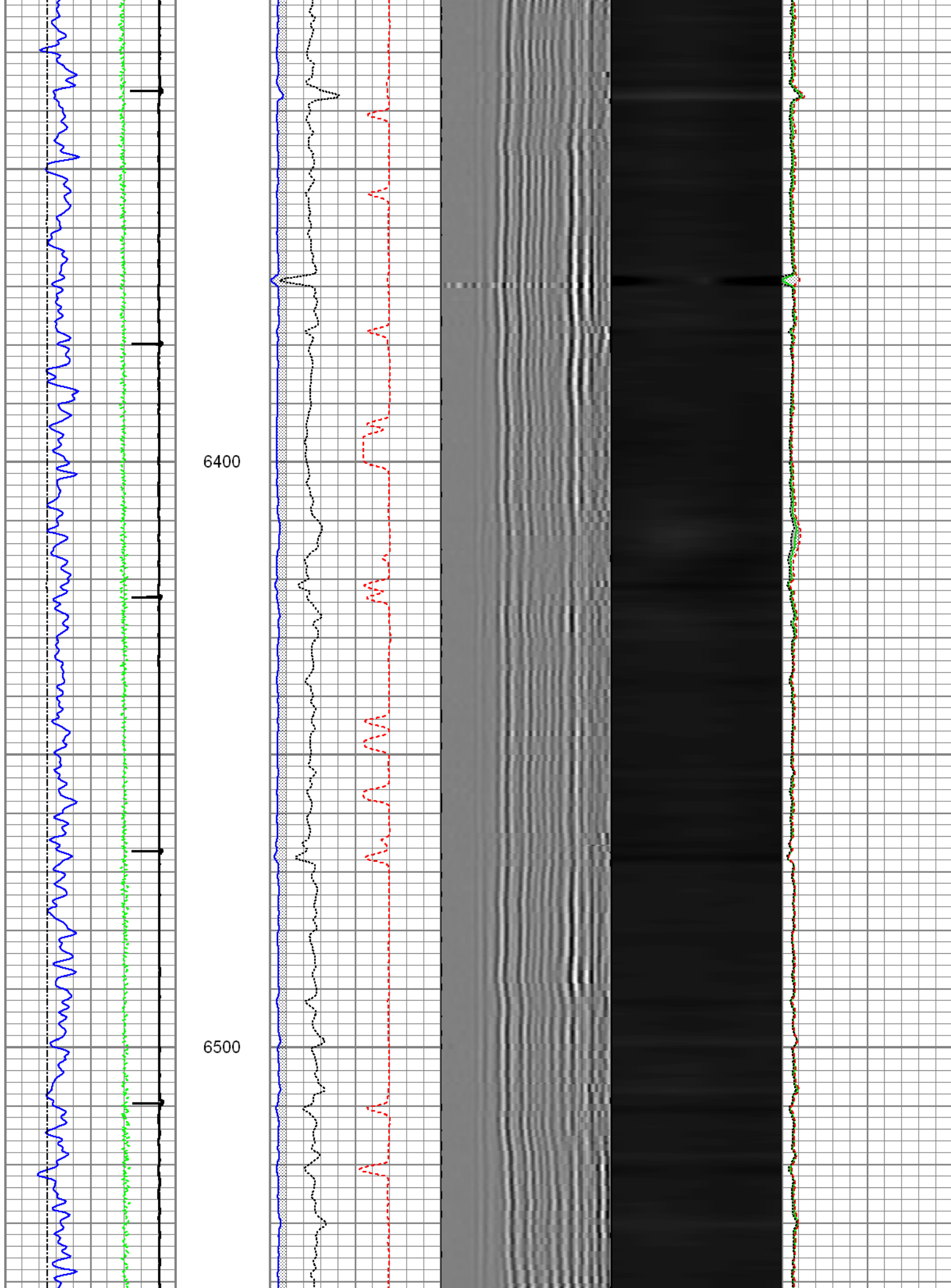


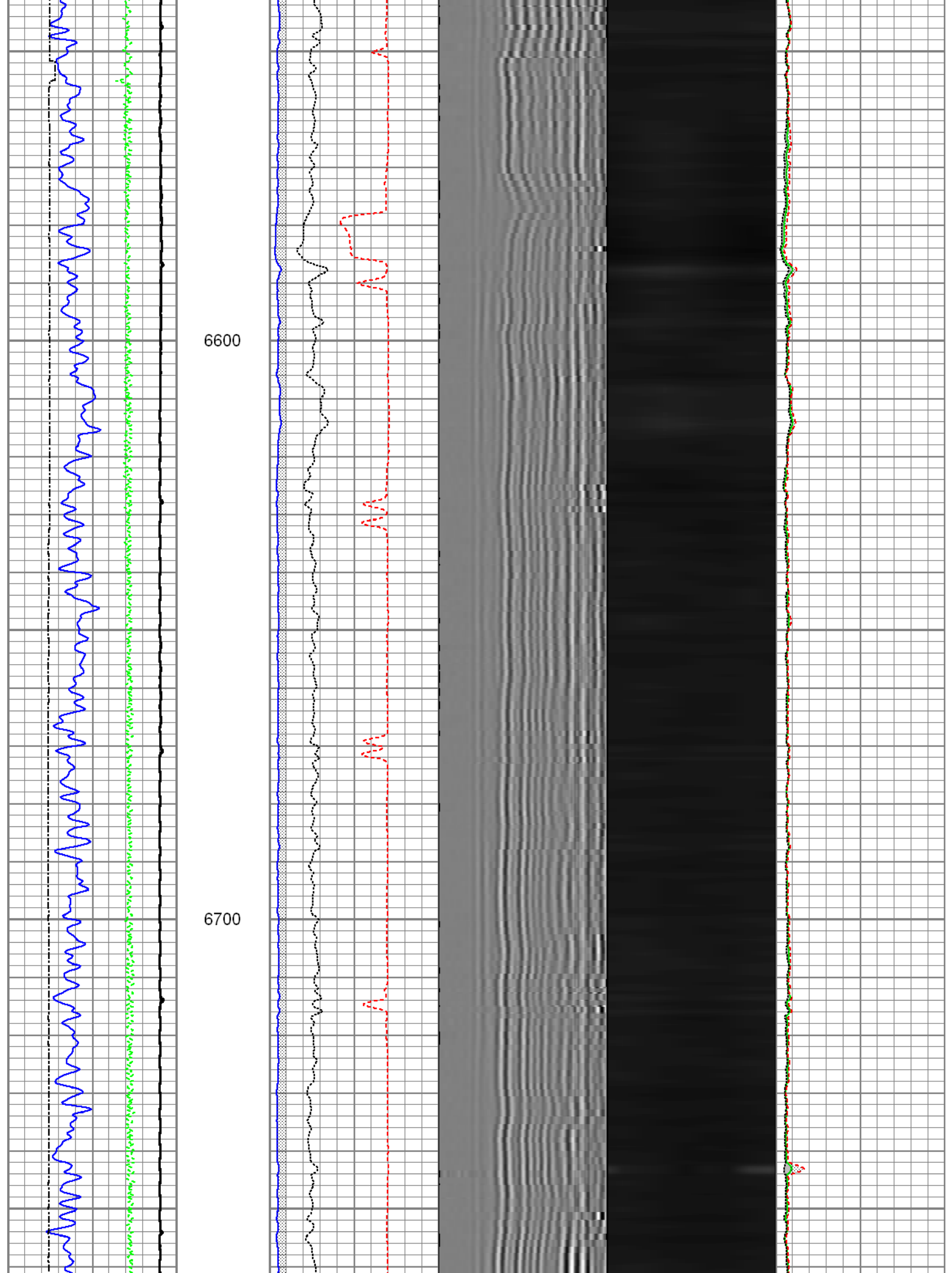


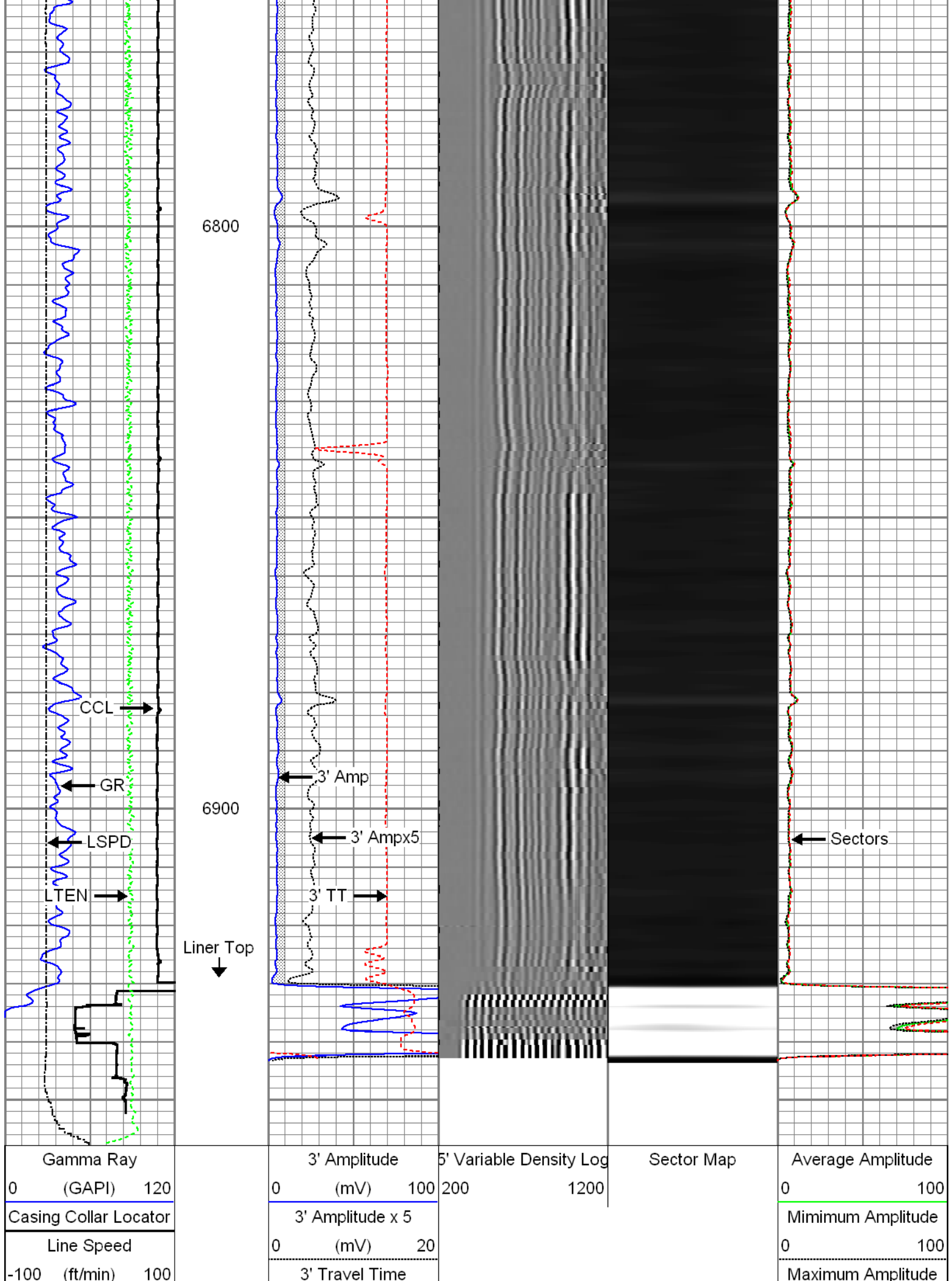


6400

6500





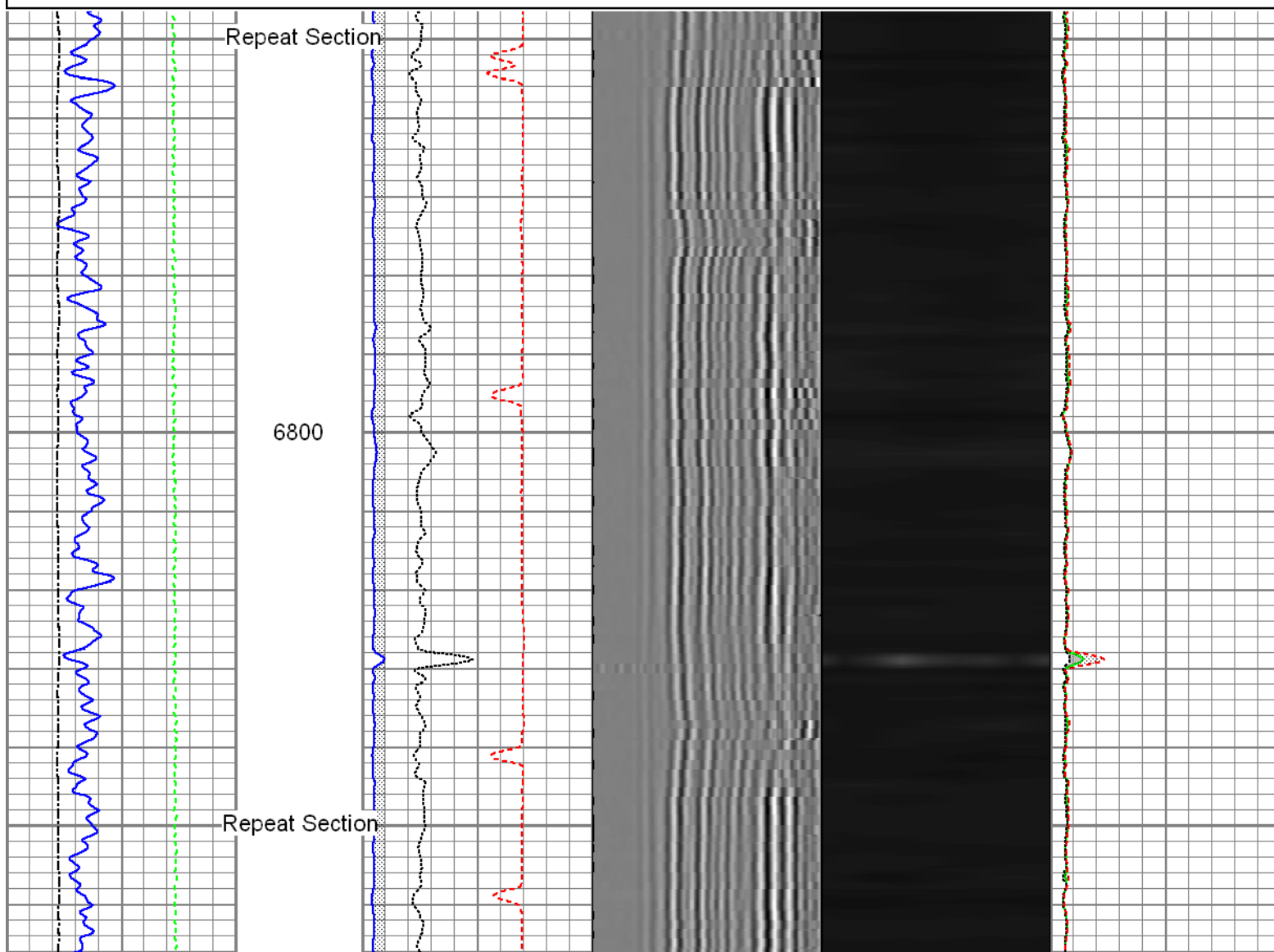


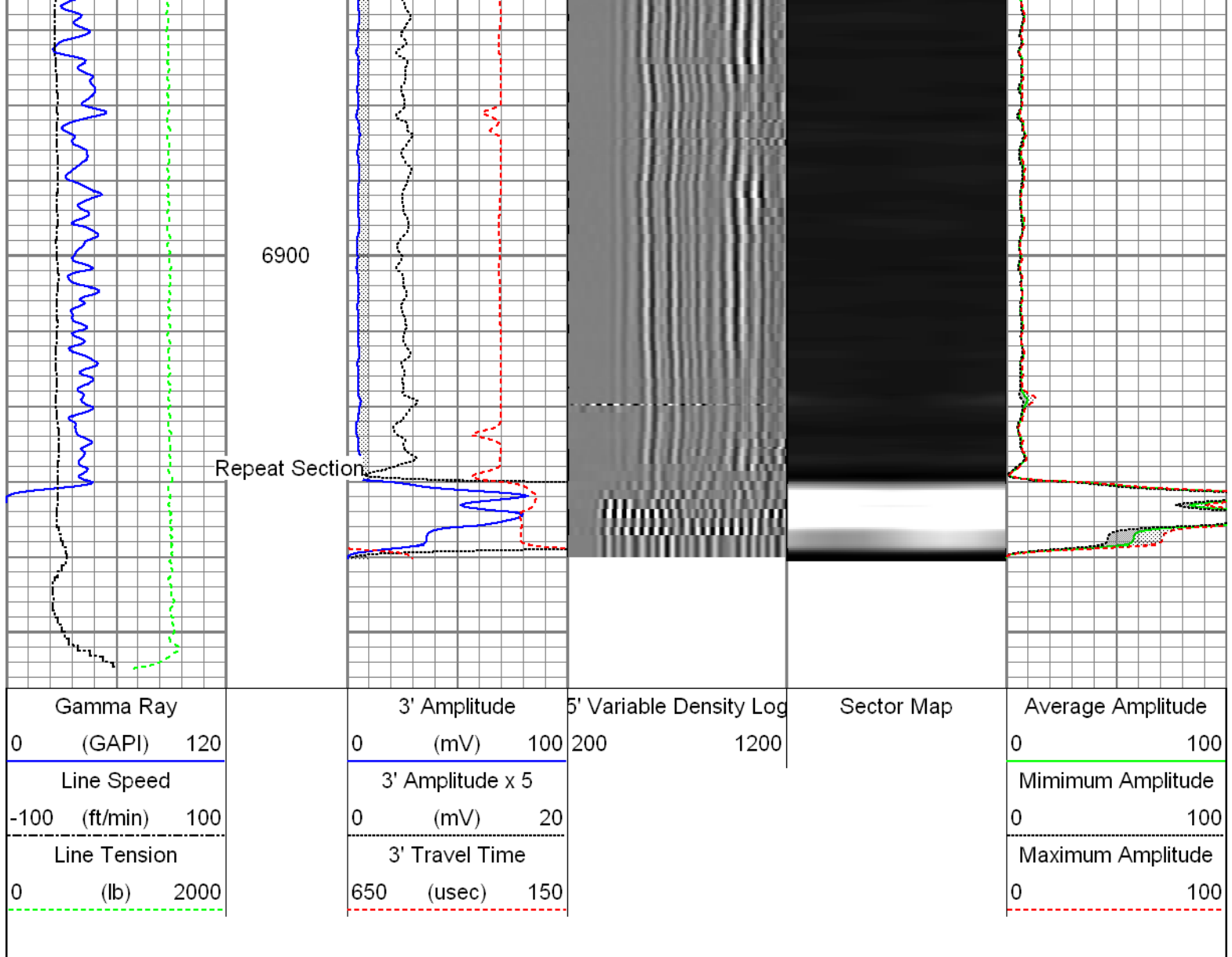
Line Tension	650 (usec)	150	0	100
0 (lb) 2000				

<b>FMC Technologies</b>	<b>Repeat Pass</b>
	Recorded with 2800 Psi surface induced pressure

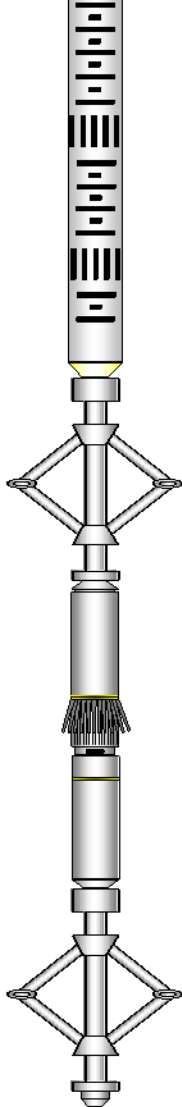
Database File:	0512339376_anadarko_sickler 1n-34hz_08-18-14_mit_rbl.db
Dataset Pathname:	pass4
Presentation Format:	rbt4_mit
Dataset Creation:	Mon Aug 18 07:39:03 2014 by Log SCH 111116
Charted by:	Depth in Feet scaled 1:240

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





Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	23.67		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 (050836) Production Gamma Ray	1.93	1.69	9.50
			UW_PRC-UW_PRC_057 (1037) Sondex 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00

WVF3FT	15.85		UW_RBT-UW_RBT_004 (1066) 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 (1038) Sondex 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00
MIT	5.41		UW_MIT-UW_MIT40_042 (10012912) 40 Multifinger Imaging Tool	4.54	2.75	61.10
			UW_PRC #3 -UW_PRC_057 (1101) Sondex 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00
			UW_BUL-UW_BUL_006 (218707) Sondex Ultrawire Bullnose Terminator	0.22	1.69	1.20
TSTAMP	0.00					
Dataset: 0512339376_Anadarko_Sickler 1N-34HZ_08-18-14_MIT_RBL.db: field/well/run1/pass5 Total Length: 27.92 ft Total Weight: 319.30 lb O.D. 3.13 in						

Calibration Report			
Database File:	0512339376_Anadarko_Sickler 1N-34HZ_08-18-14_MIT_RBL.db		
Dataset Pathname:	pass6		
Dataset Creation:	Mon Aug 18 10:40:15 2014 by Log SCH 111116		
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 Aug 18 10:29:18 2014

Ring size: (in)	4	Sens	5	Sens	6	Sens	7
Finger 01:	1040	363.0	1403	402.0	1805	400.0	2205
Finger 02:	1163	376.0	1539	404.0	1943	395.0	2338
Finger 03:	1052	384.0	1436	416.0	1852	421.0	2273
Finger 04:	1071	373.0	1444	401.0	1845	411.0	2256
Finger 05:	1074	385.0	1459	412.0	1871	412.0	2283
Finger 06:	1070	385.0	1455	407.0	1862	410.0	2272
Finger 07:	1066	387.0	1453	411.0	1864	412.0	2276
Finger 08:	1077	384.0	1461	397.0	1858	408.0	2266
Finger 09:	1082	384.0	1466	403.0	1869	405.0	2274
Finger 10:	1081	380.0	1461	399.0	1860	406.0	2266
Finger 11:	1096	381.0	1477	396.0	1873	403.0	2276
Finger 12:	1093	376.0	1469	396.0	1865	406.0	2271
Finger 13:	1109	373.0	1482	387.0	1869	398.0	2267
Finger 14:	1088	375.0	1463	397.0	1860	410.0	2270
Finger 15:	1058	377.0	1435	409.0	1844	420.0	2264
Finger 16:	1075	373.0	1448	403.0	1851	423.0	2274
Finger 17:	1045	365.0	1410	401.0	1811	427.0	2238
Finger 18:	1136	354.0	1490	383.0	1873	407.0	2280
Finger 19:	1097	352.0	1449	387.0	1836	415.0	2251
Finger 20:	1071	354.0	1425	395.0	1820	428.0	2248
Finger 21:	1092	360.0	1452	390.0	1842	412.0	2254
Finger 22:	1057	351.0	1408	393.0	1801	430.0	2231
Finger 23:	1032	351.0	1383	400.0	1783	443.0	2226
Finger 24:	1086	343.0	1429	381.0	1810	407.0	2217
Finger 25:	1047	346.0	1393	397.0	1790	436.0	2226
Finger 26:	1172	334.0	1506	371.0	1877	402.0	2279
Finger 27:	1113	344.0	1457	389.0	1846	423.0	2269
Finger 28:	1139	336.0	1475	377.0	1852	410.0	2262
Finger 29:	1091	348.0	1439	395.0	1834	434.0	2268
Finger 30:	1100	344.0	1444	390.0	1834	423.0	2257
Finger 31:	1124	343.0	1467	386.0	1853	416.0	2269
Finger 32:	1102	358.0	1460	399.0	1859	427.0	2286
Finger 33:	1159	346.0	1505	377.0	1882	394.0	2276
Finger 34:	1130	348.0	1478	385.0	1863	412.0	2275
Finger 35:	1059	365.0	1424	417.0	1841	443.0	2284
Finger 36:	1077	362.0	1439	403.0	1842	424.0	2266
Finger 37:	1113	363.0	1476	396.0	1872	412.0	2284
Finger 38:	1130	363.0	1493	392.0	1885	397.0	2282
Finger 39:	1125	359.0	1484	390.0	1874	400.0	2274
Finger 40:	1083	372.0	1455	408.0	1863	411.0	2274

## Post Survey Calibration Check

Performed:

Mon Aug 18 10:40:07 2014


Ring size: (in)	4	Nom. wear	5	Nom. wear	6	Nom. wear	7	Nom. wear
Finger 01:	3.991	-0.004	5.006	0.003	5.988	-0.006	7.005	0.002
Finger 02:	3.995	-0.002	5.007	0.004	5.992	-0.004	6.993	-0.003
Finger 03:	3.998	-0.001	5.011	0.006	6.004	0.002	7.001	0.000
Finger 04:	3.988	-0.006	5.002	0.001	6.002	0.001	6.996	-0.002
Finger 05:	3.992	-0.004	5.004	0.002	5.996	-0.002	6.999	-0.001
Finger 06:	3.996	-0.002	5.004	0.002	6.001	0.000	6.996	-0.002
Finger 07:	3.988	-0.006	5.001	0.001	5.997	-0.002	6.994	-0.003
Finger 08:	3.995	-0.002	4.989	-0.006	5.998	-0.001	6.997	-0.001
Finger 09:	3.987	-0.007	4.999	-0.000	5.996	-0.002	6.997	-0.001
Finger 10:	3.991	-0.004	5.003	0.001	5.999	-0.001	6.986	-0.007
Finger 11:	3.991	-0.005	5.000	0.000	5.998	-0.001	6.994	-0.003
Finger 12:	3.997	-0.001	5.001	0.001	5.999	-0.001	6.995	-0.003
Finger 13:	3.993	-0.003	5.003	0.001	6.003	0.001	7.002	0.001
Finger 14:	3.991	-0.004	5.000	-0.000	6.001	0.001	6.993	-0.004

Finger 15:	3.994	-0.003	5.004	0.002	5.992	-0.004	6.997	-0.002
Finger 16:	3.993	-0.003	5.001	0.000	5.995	-0.003	6.993	-0.003
Finger 17:	3.994	-0.003	5.004	0.002	6.003	0.001	7.009	0.005
Finger 18:	3.991	-0.005	5.002	0.001	6.005	0.003	7.003	0.002
Finger 19:	3.991	-0.005	5.009	0.005	6.002	0.001	6.999	-0.001
Finger 20:	3.990	-0.005	5.000	0.000	5.998	-0.001	7.001	0.000
Finger 21:	3.989	-0.005	4.994	-0.003	5.998	-0.001	7.003	0.002
Finger 22:	3.992	-0.004	5.003	0.002	5.998	-0.001	7.002	0.001
Finger 23:	3.995	-0.003	5.001	0.001	6.000	-0.000	6.999	-0.000
Finger 24:	3.994	-0.003	5.001	0.001	5.997	-0.001	6.992	-0.004
Finger 25:	3.993	-0.004	5.002	0.001	5.994	-0.003	6.997	-0.001
Finger 26:	3.991	-0.005	5.001	0.000	5.996	-0.002	6.991	-0.005
Finger 27:	3.996	-0.002	5.004	0.002	5.999	-0.001	6.993	-0.004
Finger 28:	3.994	-0.003	5.001	0.001	5.995	-0.003	6.993	-0.004
Finger 29:	3.986	-0.007	5.002	0.001	6.000	0.000	6.994	-0.003
Finger 30:	3.993	-0.004	5.006	0.003	5.995	-0.002	6.994	-0.003
Finger 31:	3.997	-0.001	5.004	0.002	5.997	-0.002	6.996	-0.002
Finger 32:	3.990	-0.005	4.998	-0.001	5.999	-0.000	7.004	0.002
Finger 33:	3.992	-0.004	4.999	-0.000	5.996	-0.002	6.991	-0.004
Finger 34:	3.991	-0.004	4.994	-0.003	6.004	0.002	7.007	0.003
Finger 35:	3.993	-0.003	5.010	0.005	6.004	0.002	6.991	-0.004
Finger 36:	3.994	-0.003	4.999	-0.000	5.999	-0.001	6.998	-0.001
Finger 37:	3.992	-0.004	4.997	-0.002	6.000	-0.000	7.000	-0.000
Finger 38:	3.992	-0.004	5.002	0.001	6.007	0.003	7.001	0.000
Finger 39:	3.989	-0.005	4.999	-0.001	6.002	0.001	7.001	0.000
Finger 40:	3.989	-0.005	4.997	-0.002	5.994	-0.003	6.998	-0.001
Average:	3.992	-0.004	5.002	0.001	5.999	-0.001	6.997	-0.001

Segmented Cement Bond Log Calibration Report						
Serial Number:		1066				
Tool Model:		UW_RBT_004				
Calibration Casing Diameter:		7.000	in			
Calibration Depth:		16.552	ft			
Master Calibration, performed Mon Aug 18 10:33:11 2014:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.005	0.712	0.800	62.165	86.703	0.394
5FT	-0.001	0.667	0.800	62.165	91.862	0.912
S1	0.005	0.661	0.000	100.000	152.546	-0.771
S2	0.004	0.693	0.000	100.000	145.105	-0.531
S3	0.004	0.728	0.000	100.000	138.108	-0.524
S4	0.003	0.754	0.000	100.000	133.202	-0.446
S5	0.005	0.748	0.000	100.000	134.529	-0.640
S6	0.004	0.731	0.000	100.000	137.376	-0.486
S7	0.004	0.710	0.000	100.000	141.652	-0.605
S8	0.004	0.673	0.000	100.000	149.541	-0.643

Gamma Ray Calibration Report			
Serial Number:		050836	
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
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	Company	Kerr-McGee Oil and Gas Onshore LP
	Well	Sickler 1N-34HZ
	Field	Wattenberg
	County	Weld
	State	Colorado