

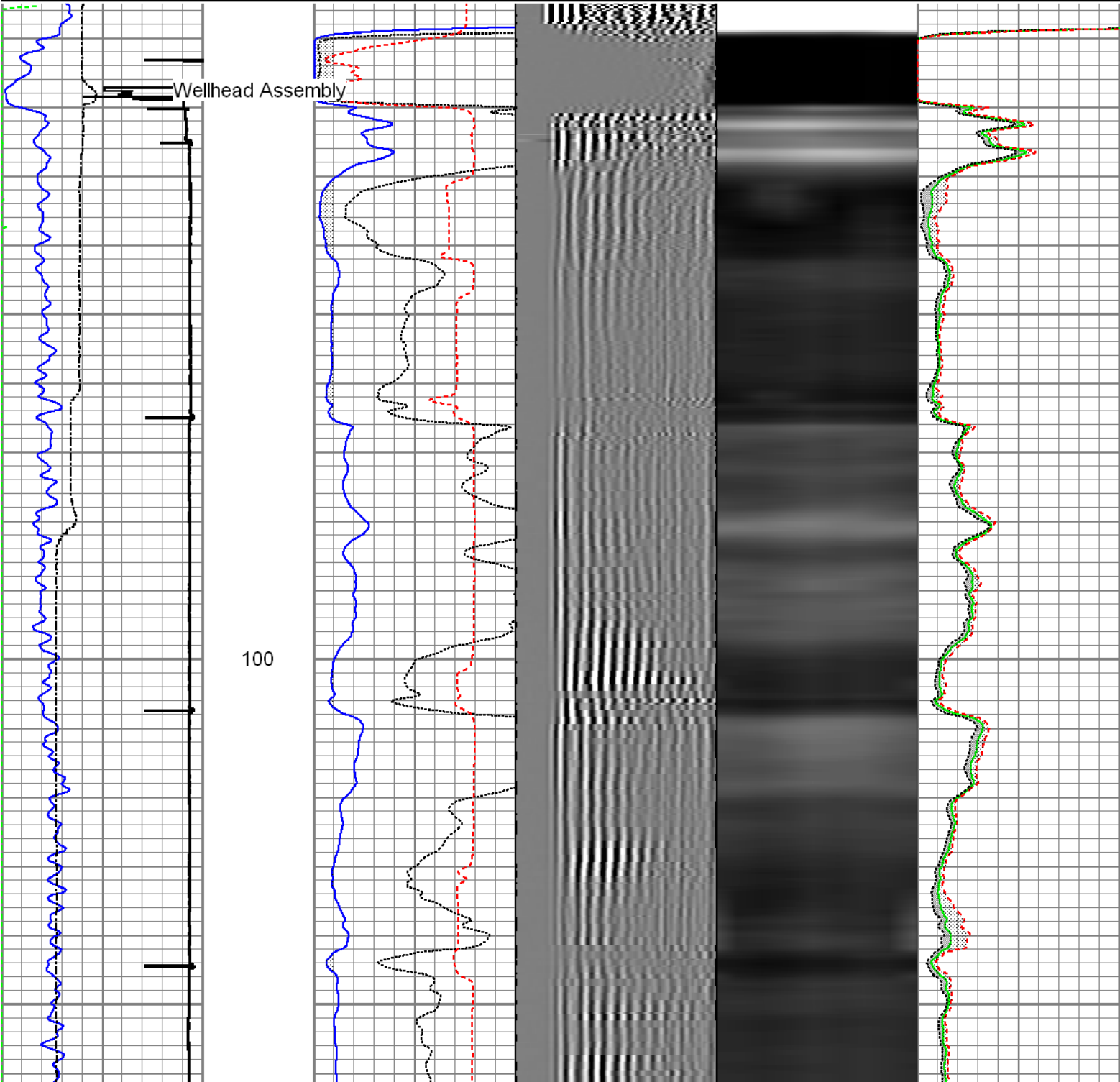


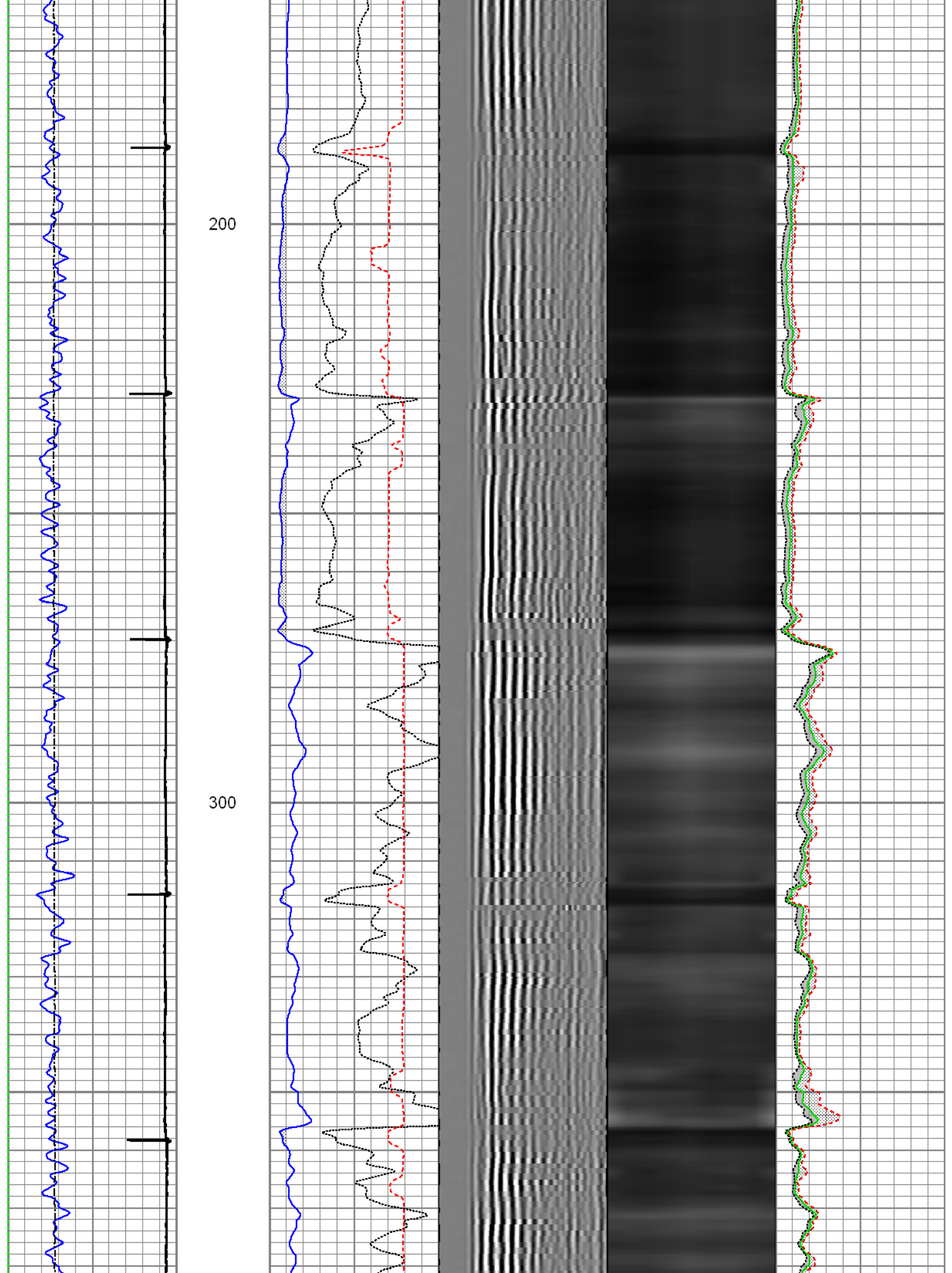
<<< Fold Here >>>
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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. Gauge Ring/Junk Basket ran to 5000 FT prior to log run. Retrievable Bridge Plug set at 4960 FT prior to log run. Log ran from 4945' FT to surface. Log Ran with 1500 PSI surface induced pressure.  Thank you for choosing FMC Technologies Completion Services, Inc.!!

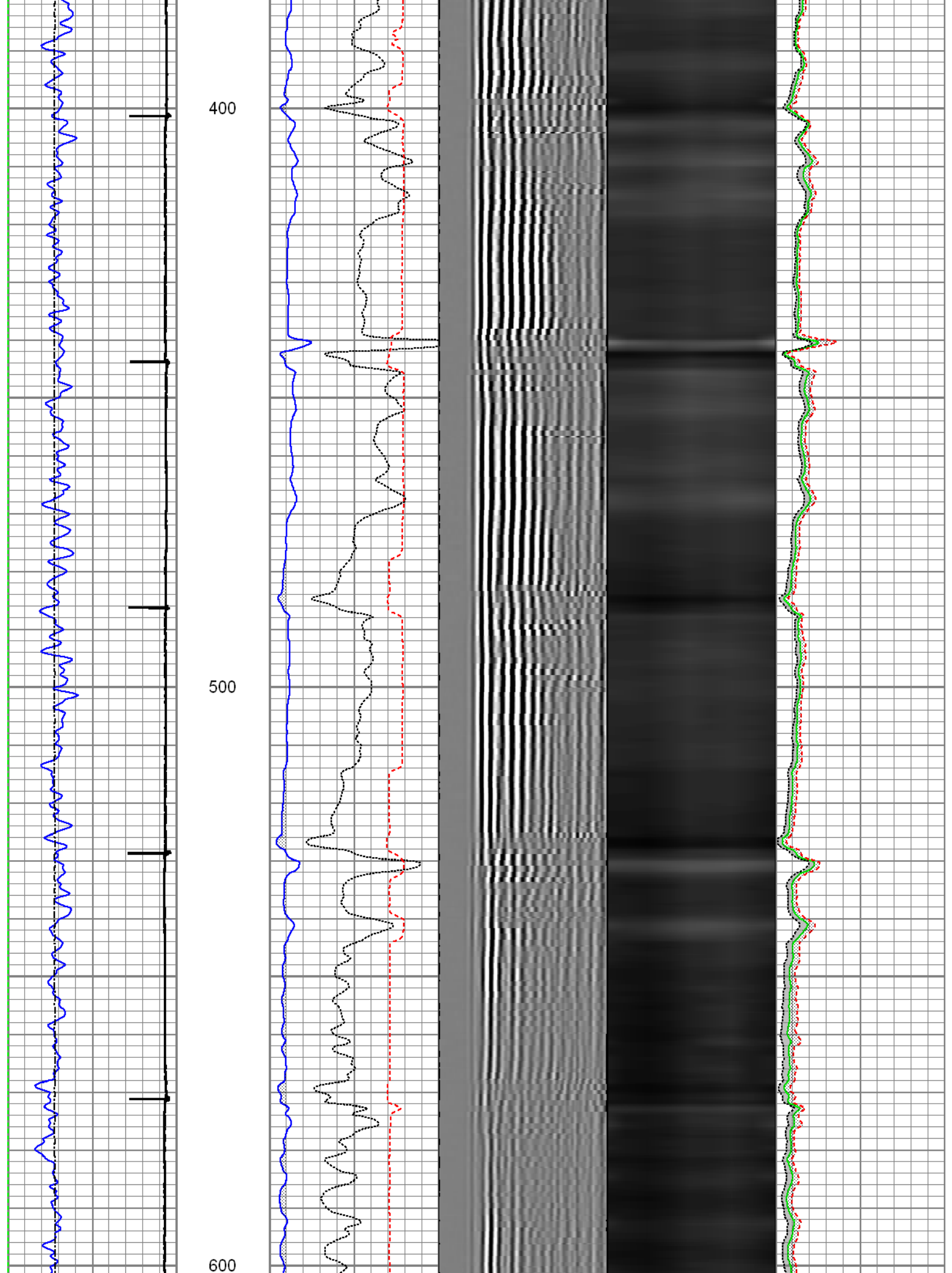


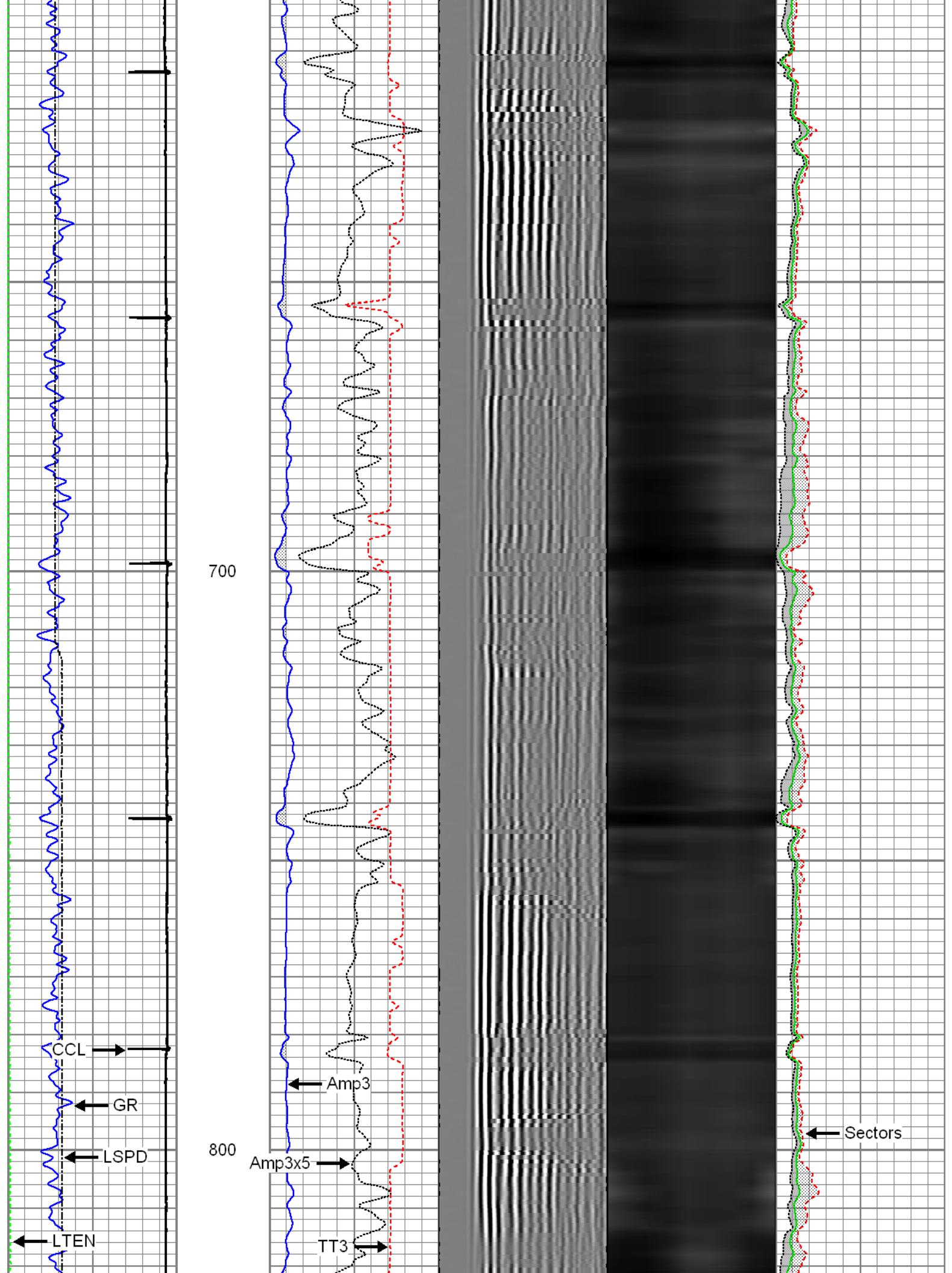
Database File: 08-05-14\_whiting\_horsetail 33m-2804\_mit\_rbl.db  
Dataset Pathname: Main4  
Presentation Format: rbt4\_mit  
Dataset Creation: Tue Aug 05 16:13:53 2014 by Log SCH 111116  
Charted by: Depth in Feet scaled 1:240

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				

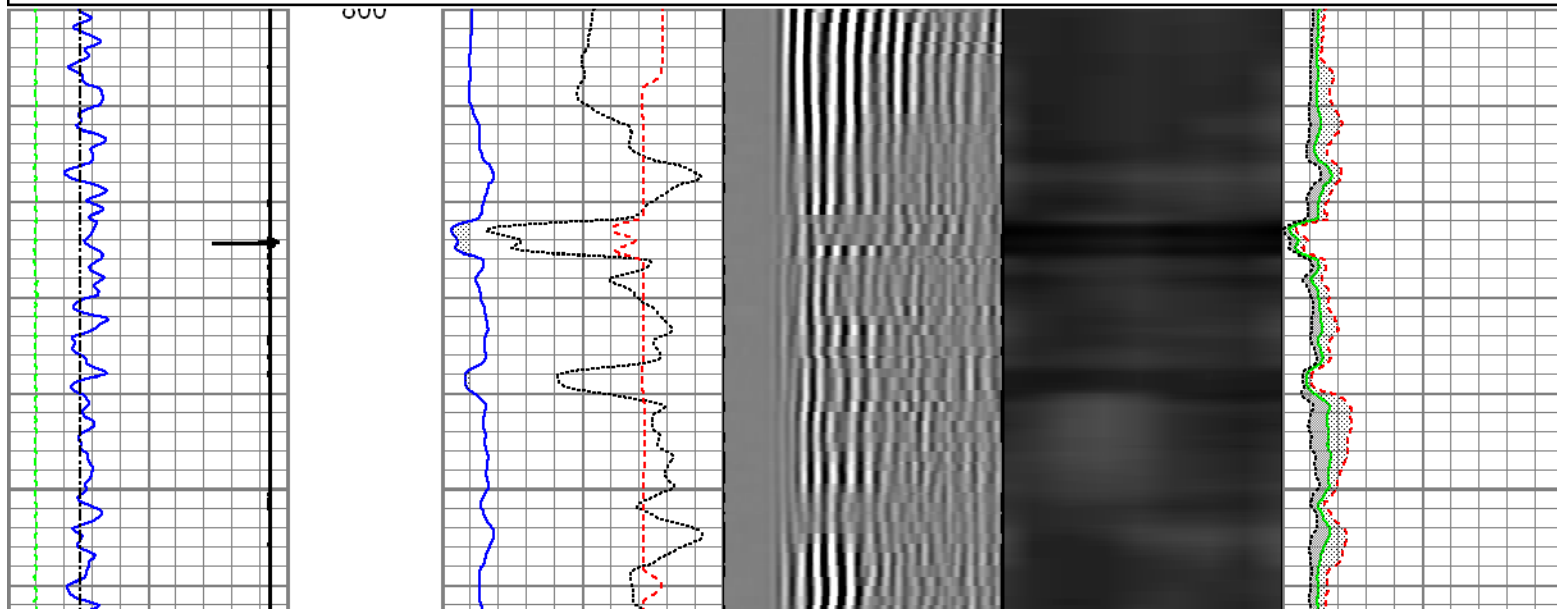
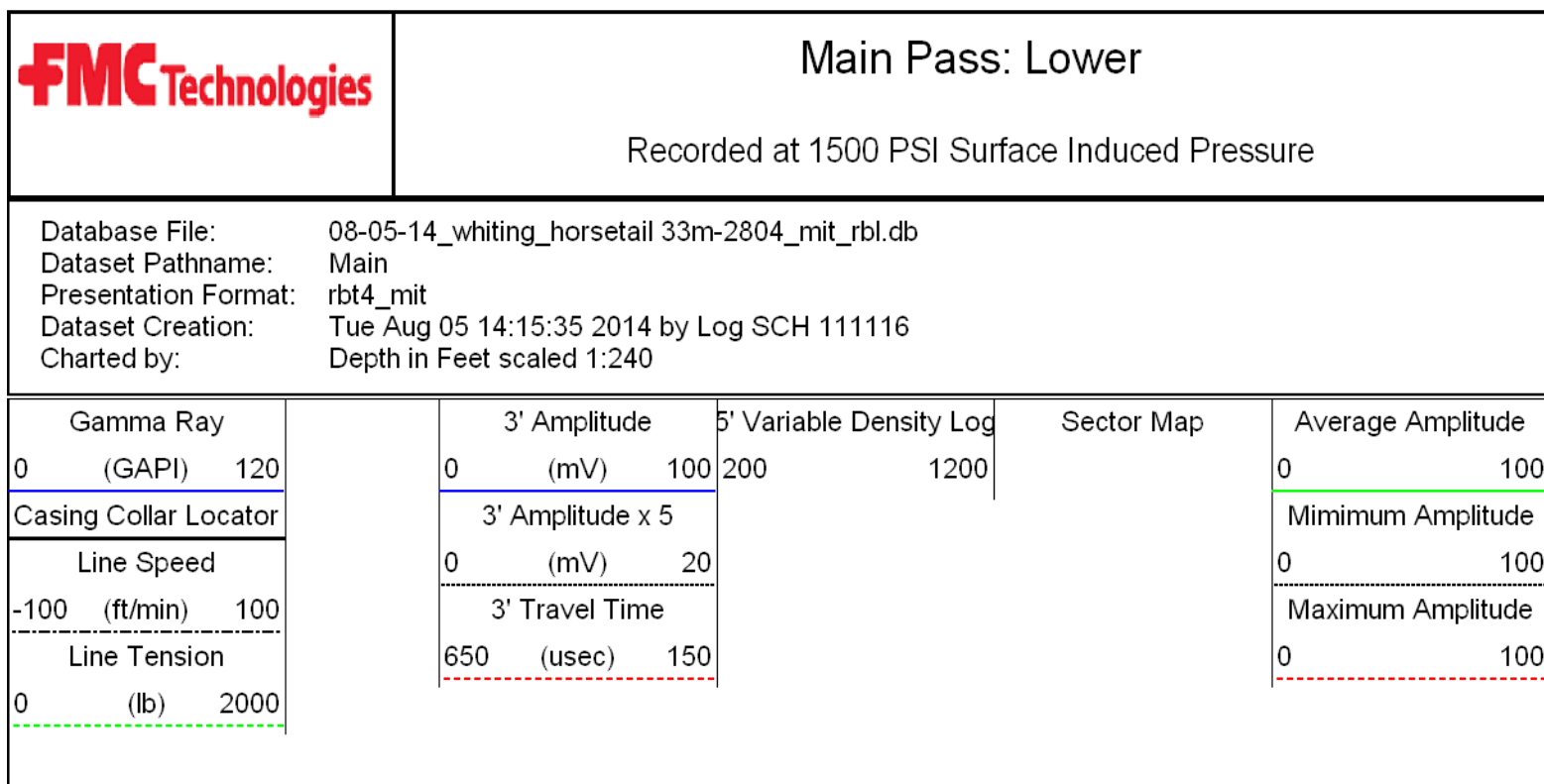
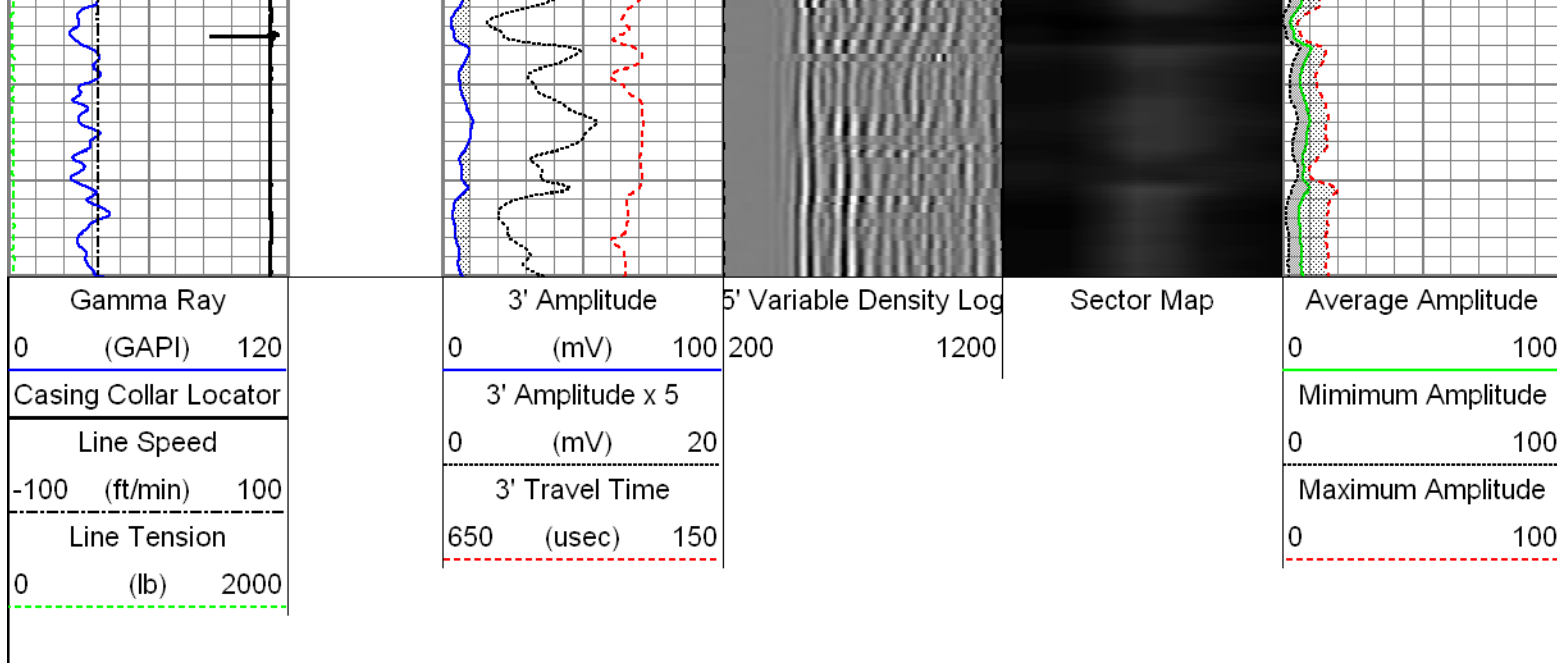


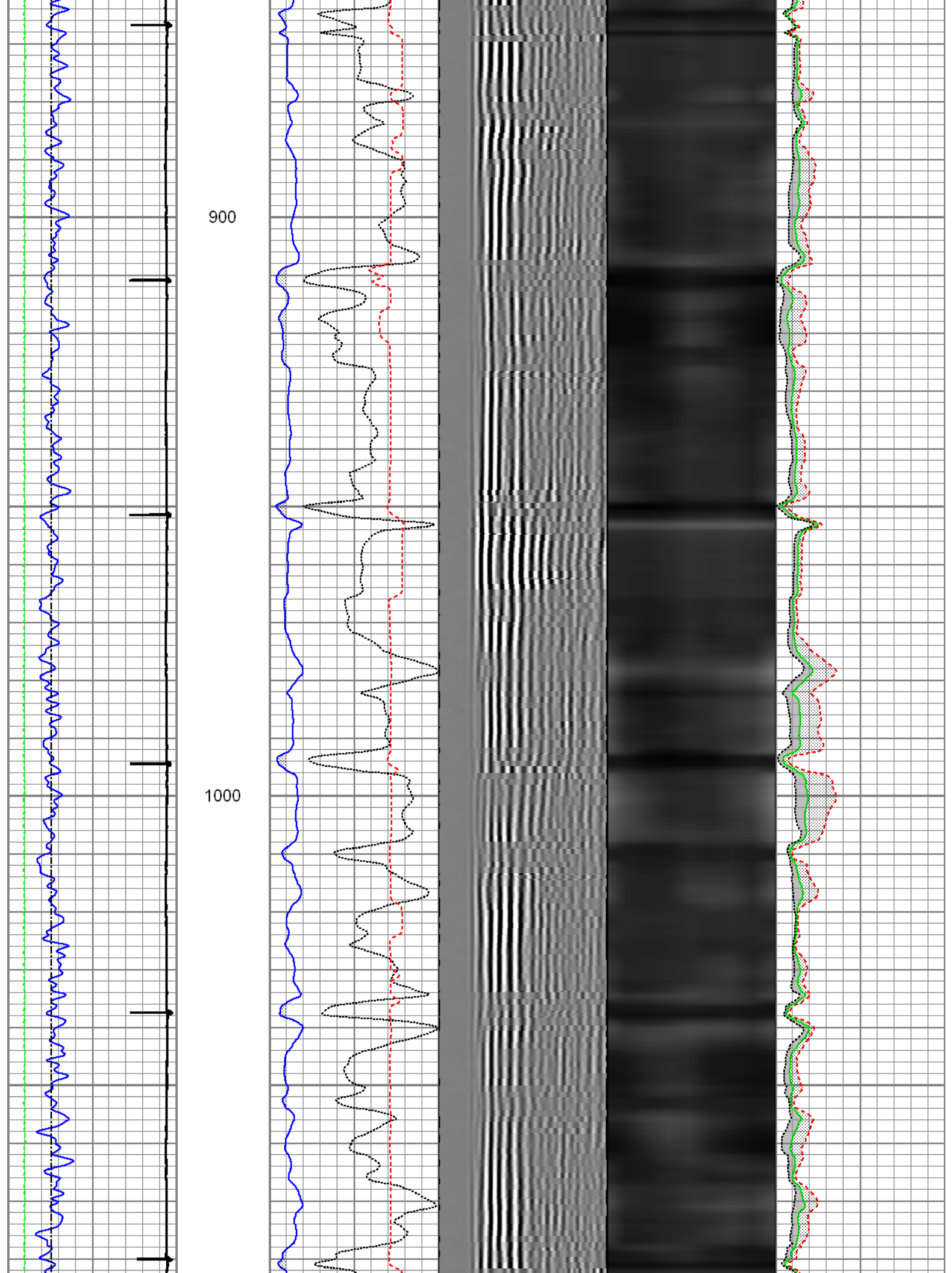


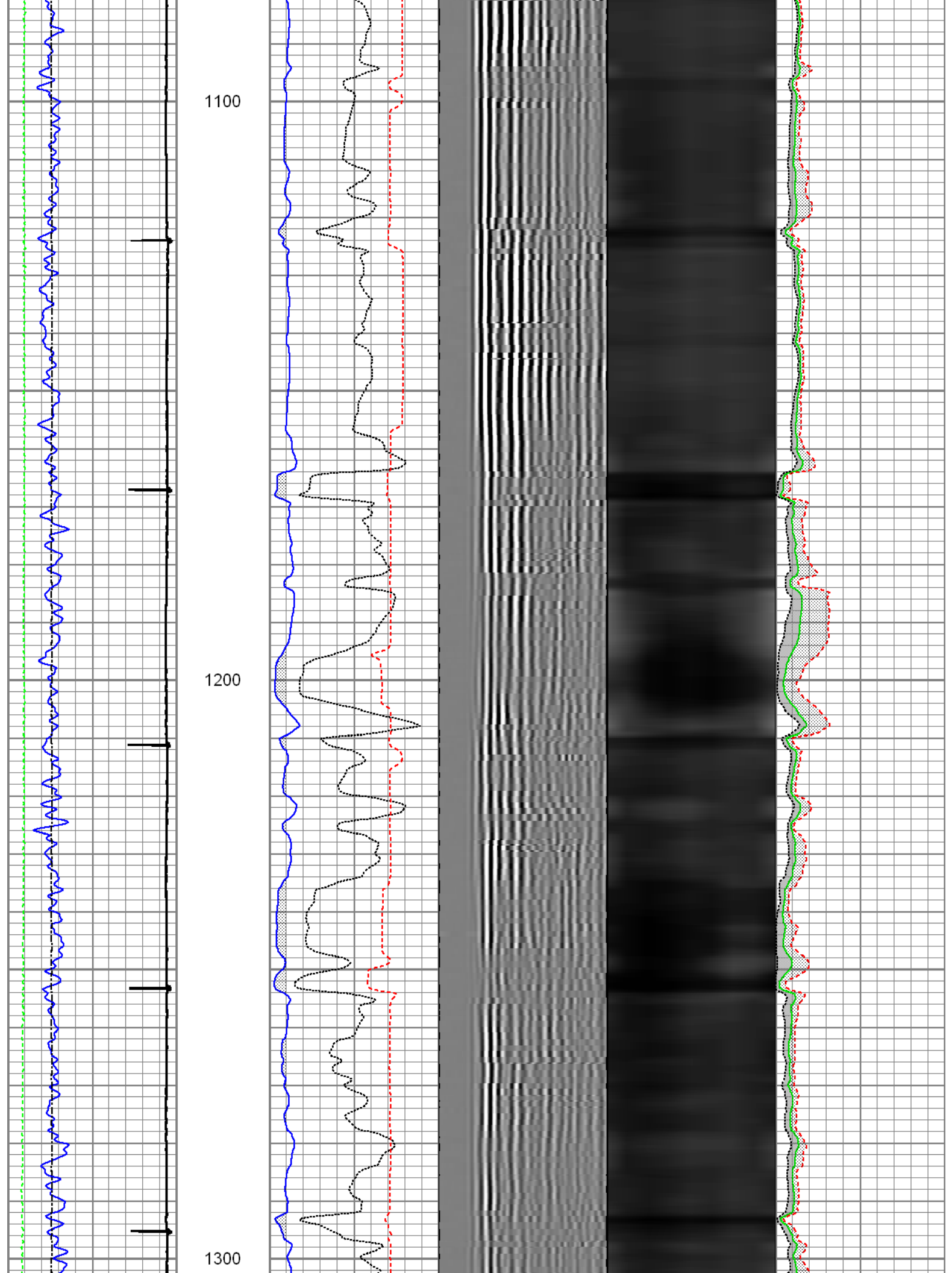




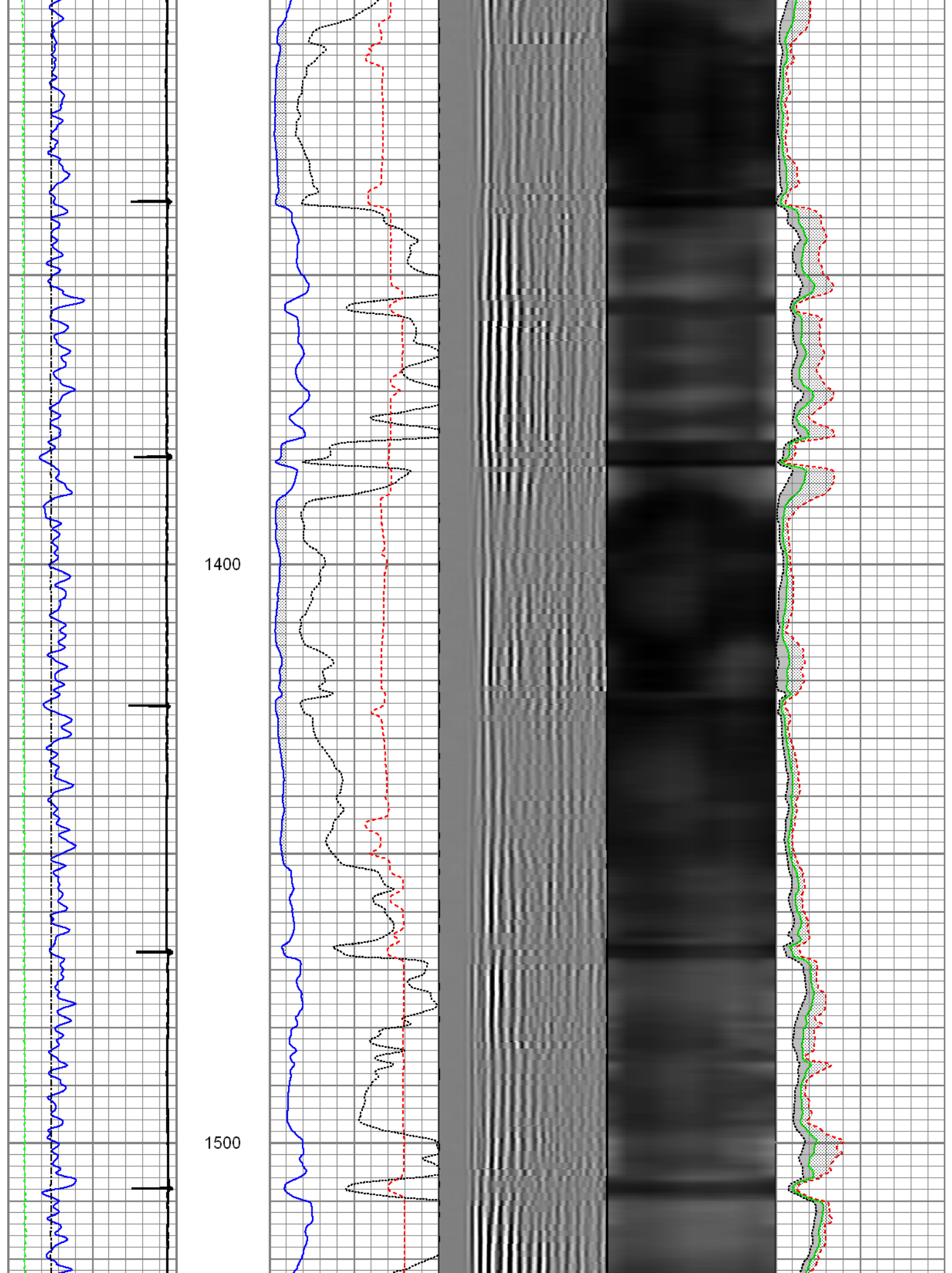


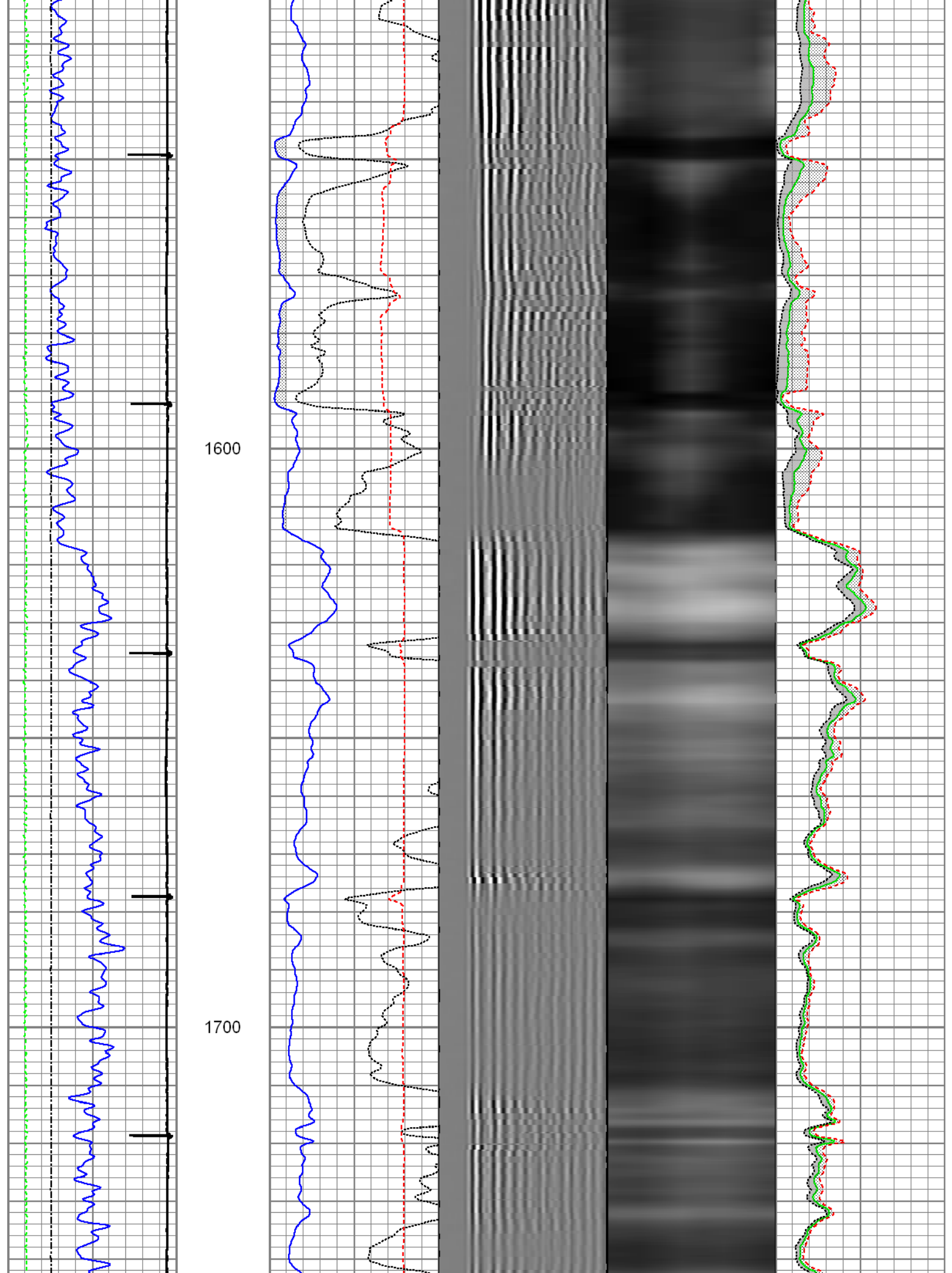


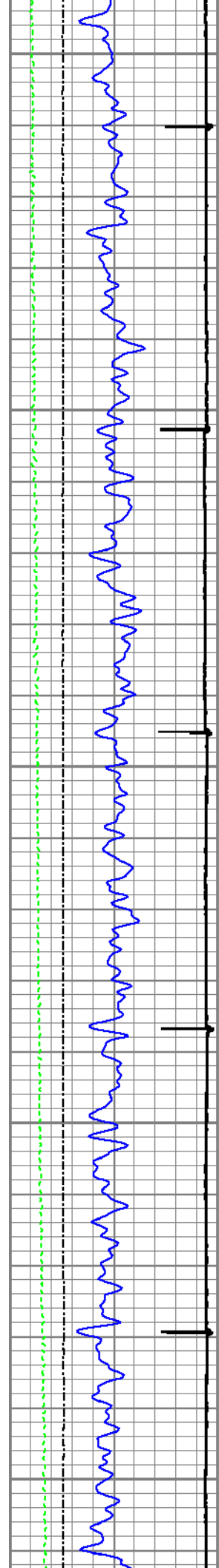






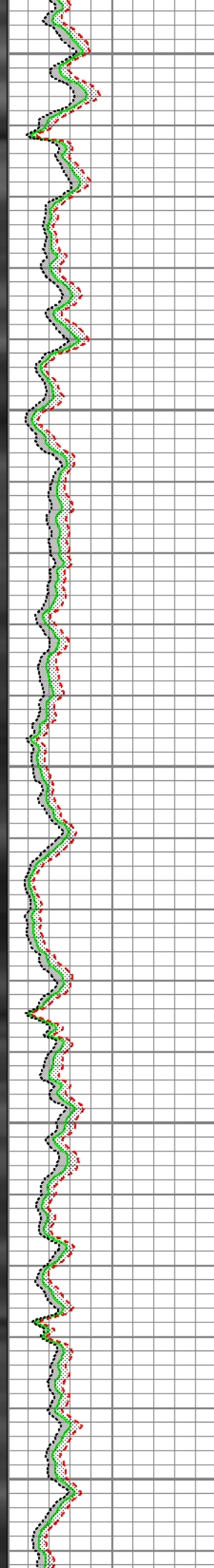
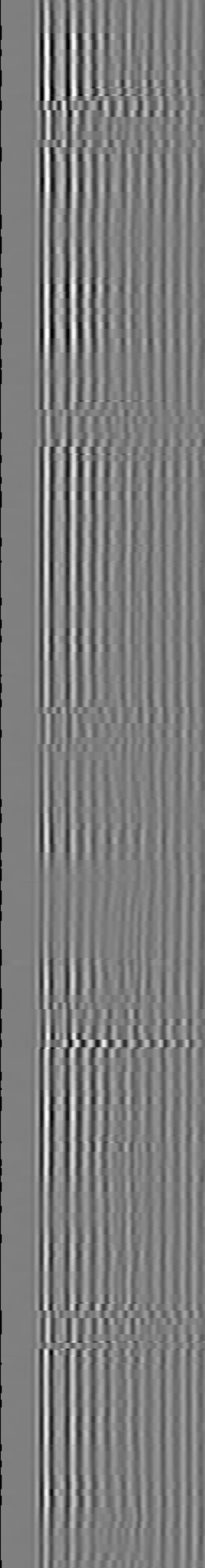
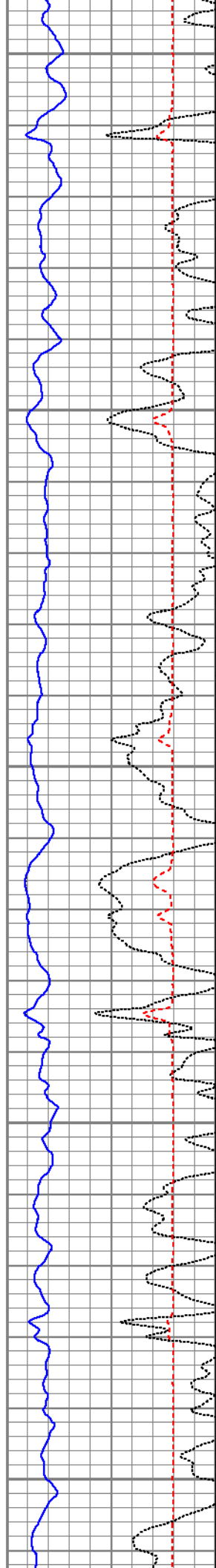






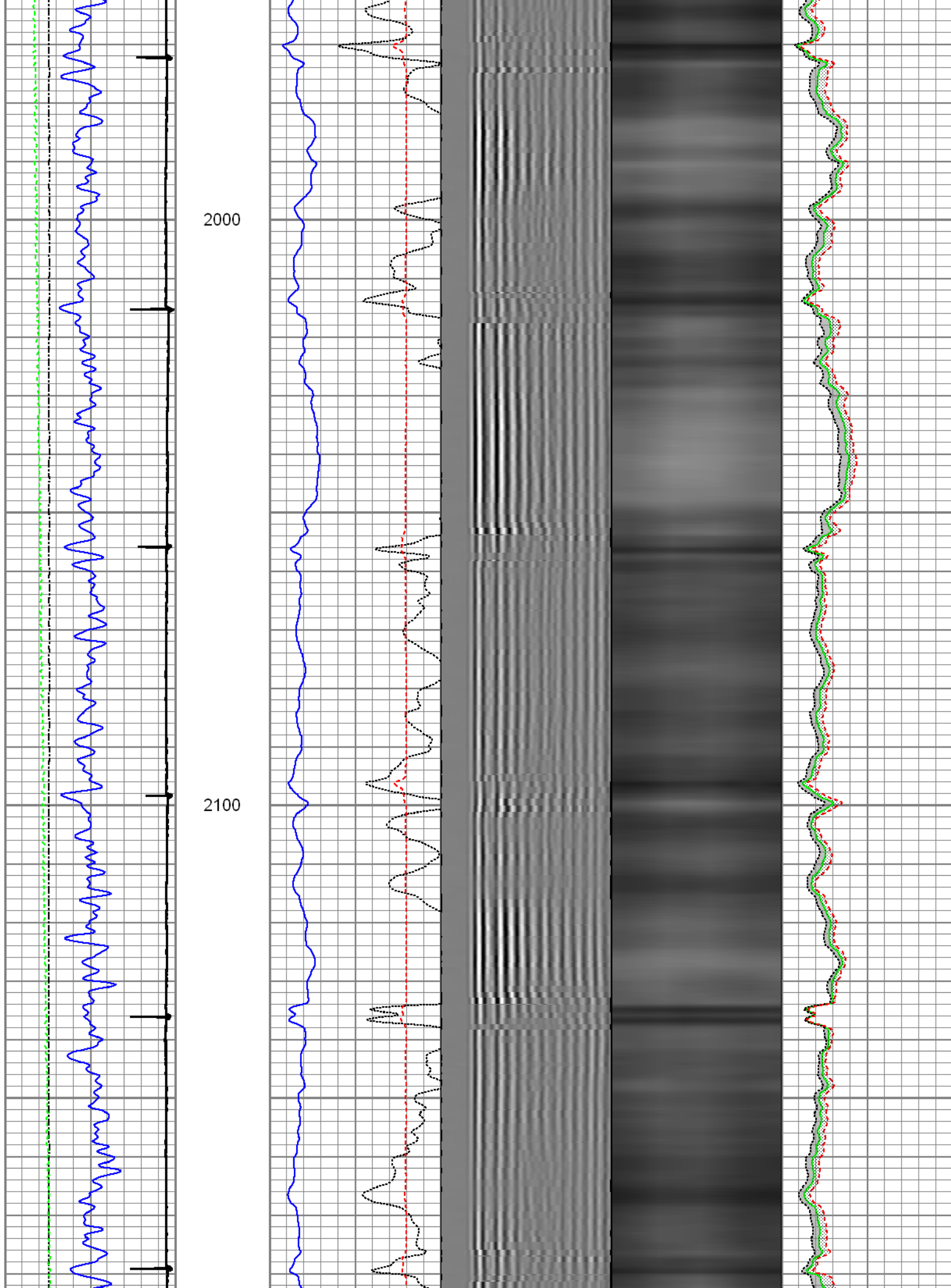
1800

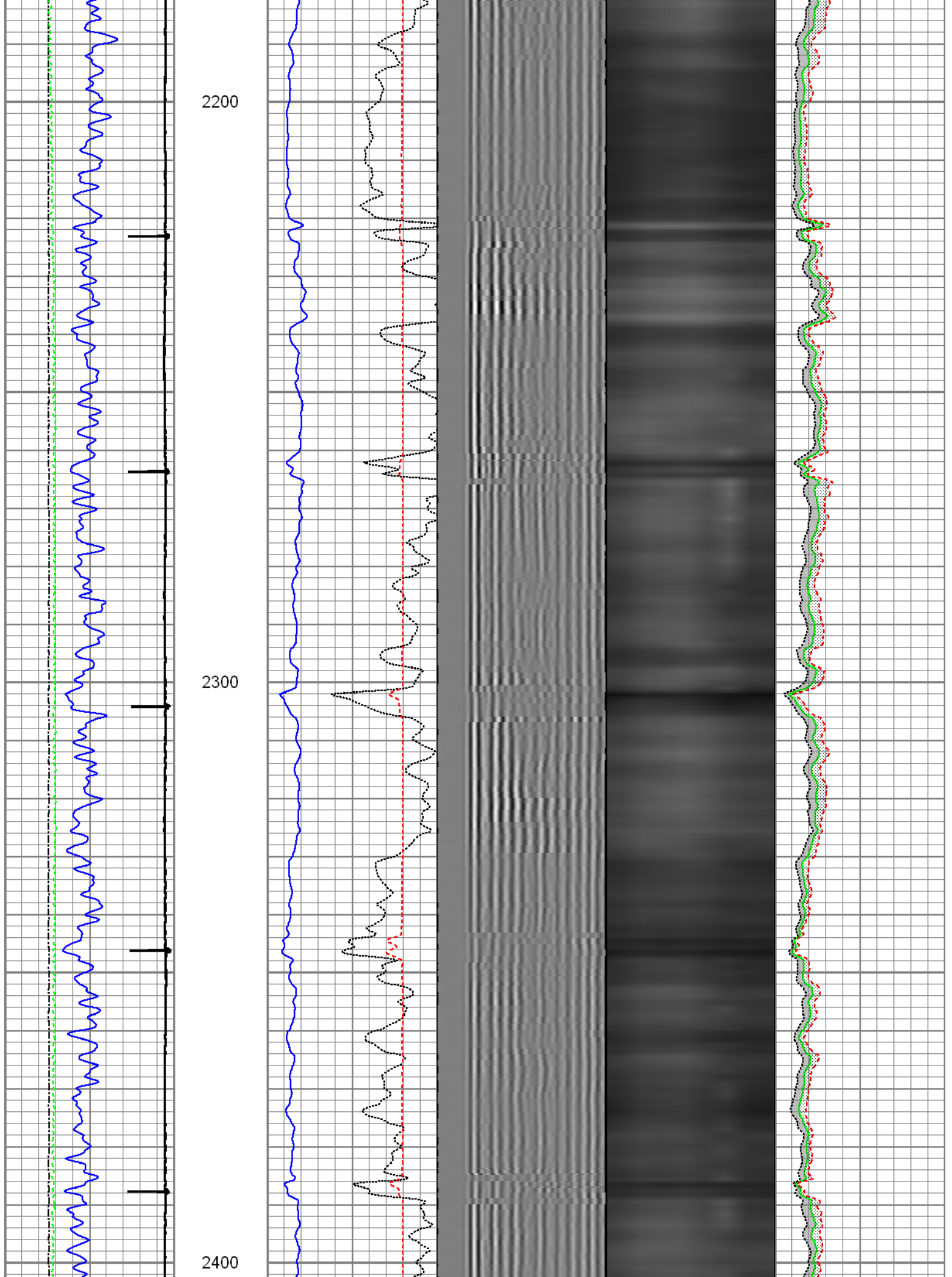
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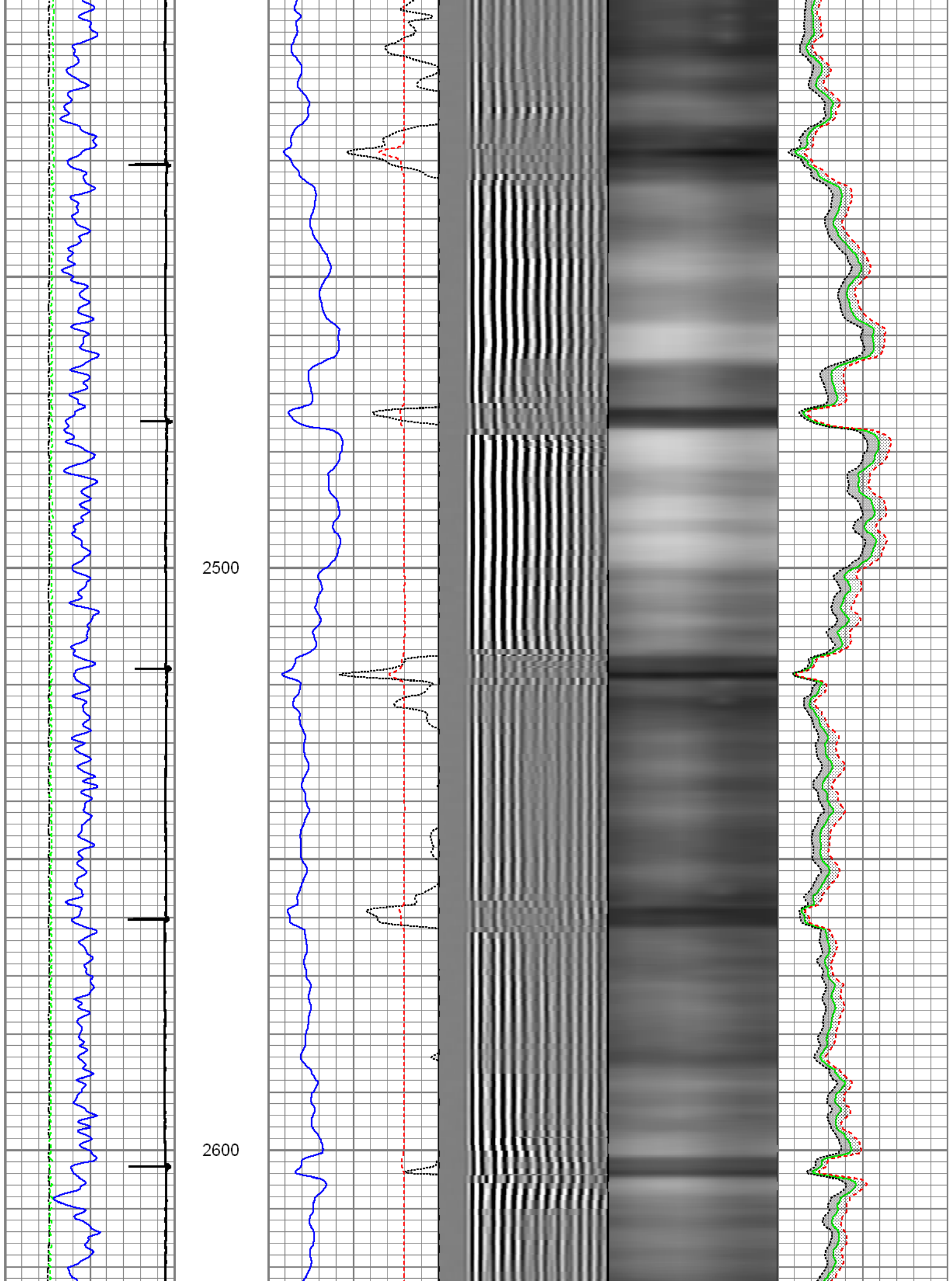
2000

2100



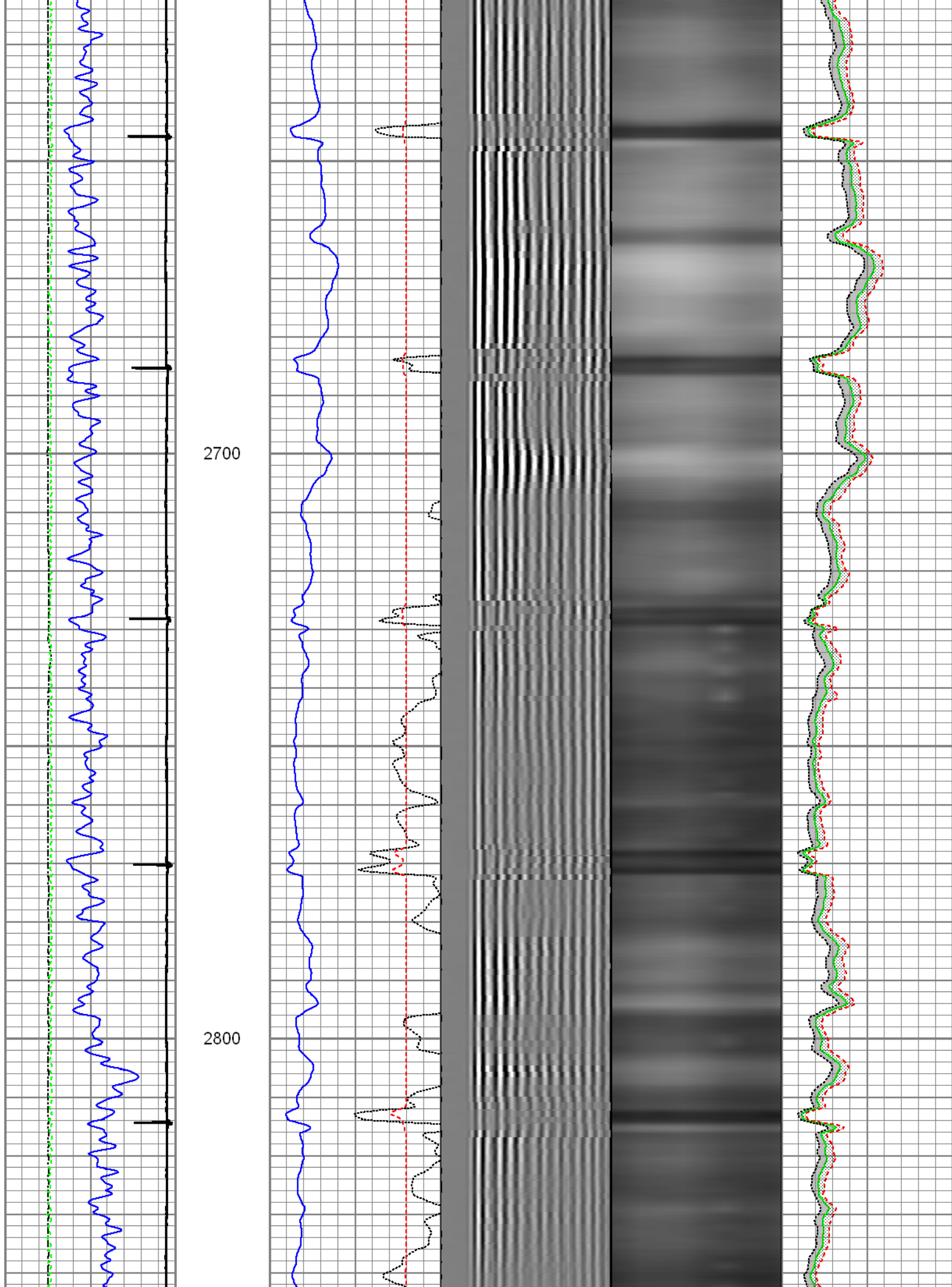


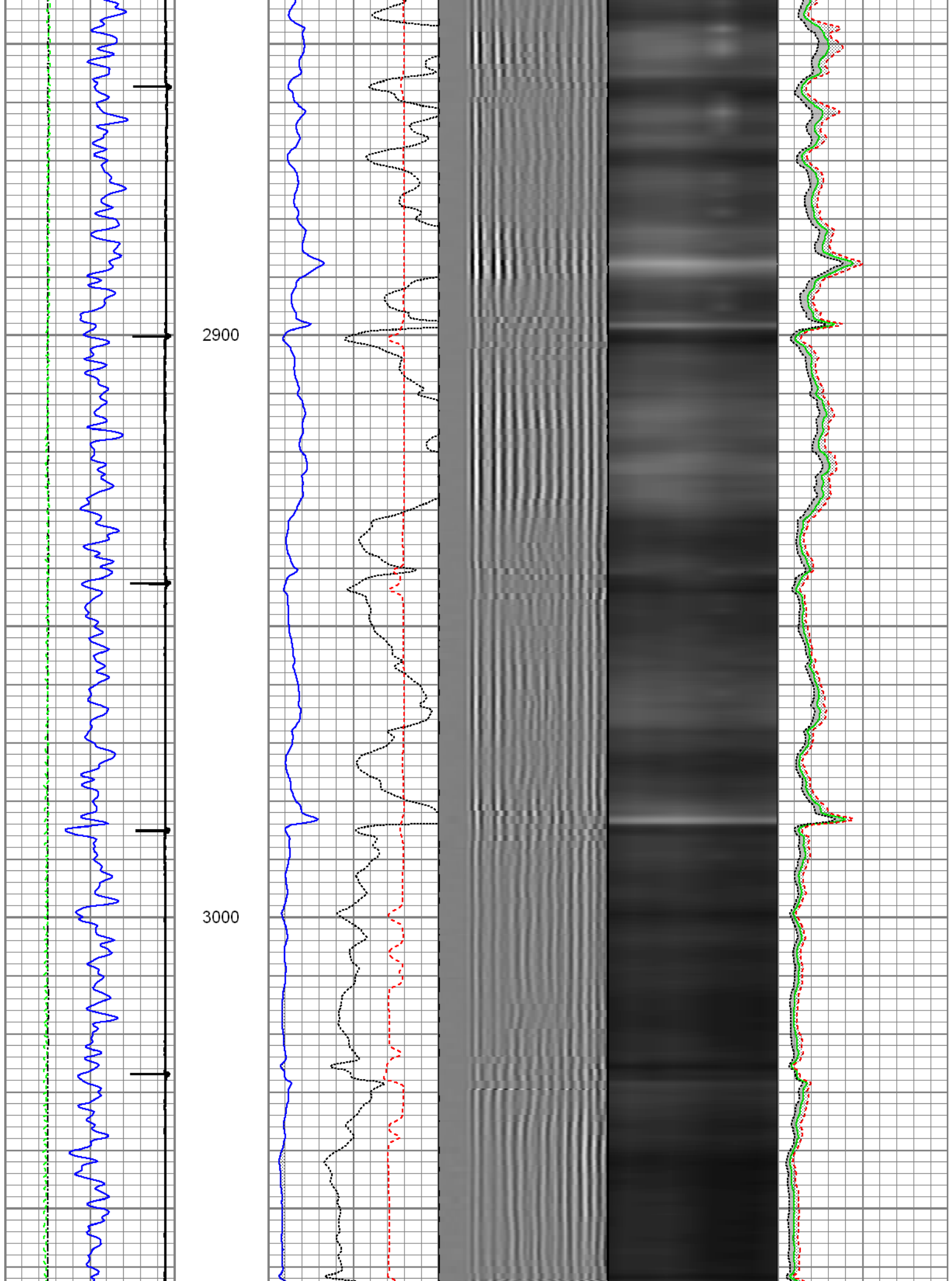




2700

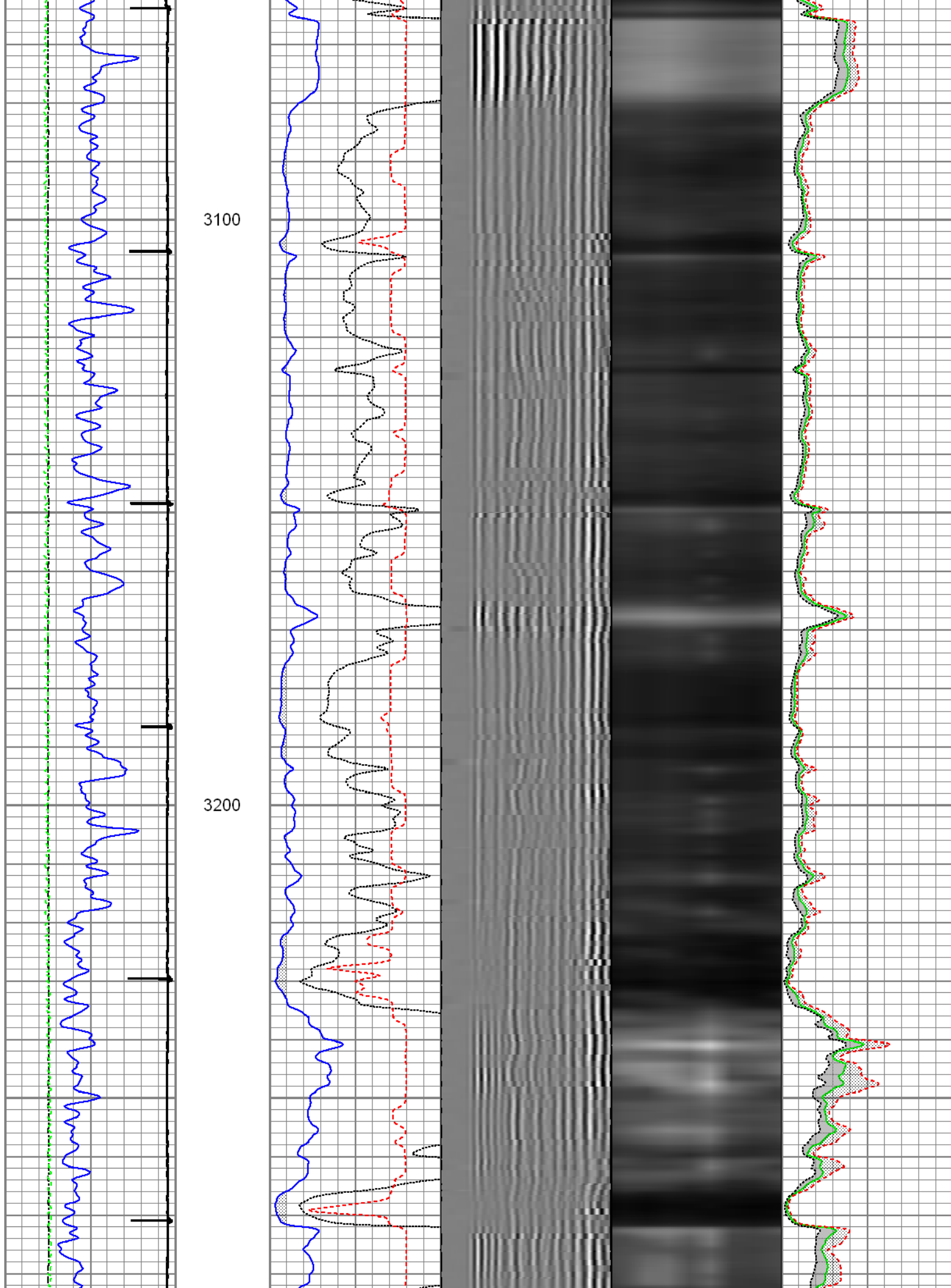
2800





3100

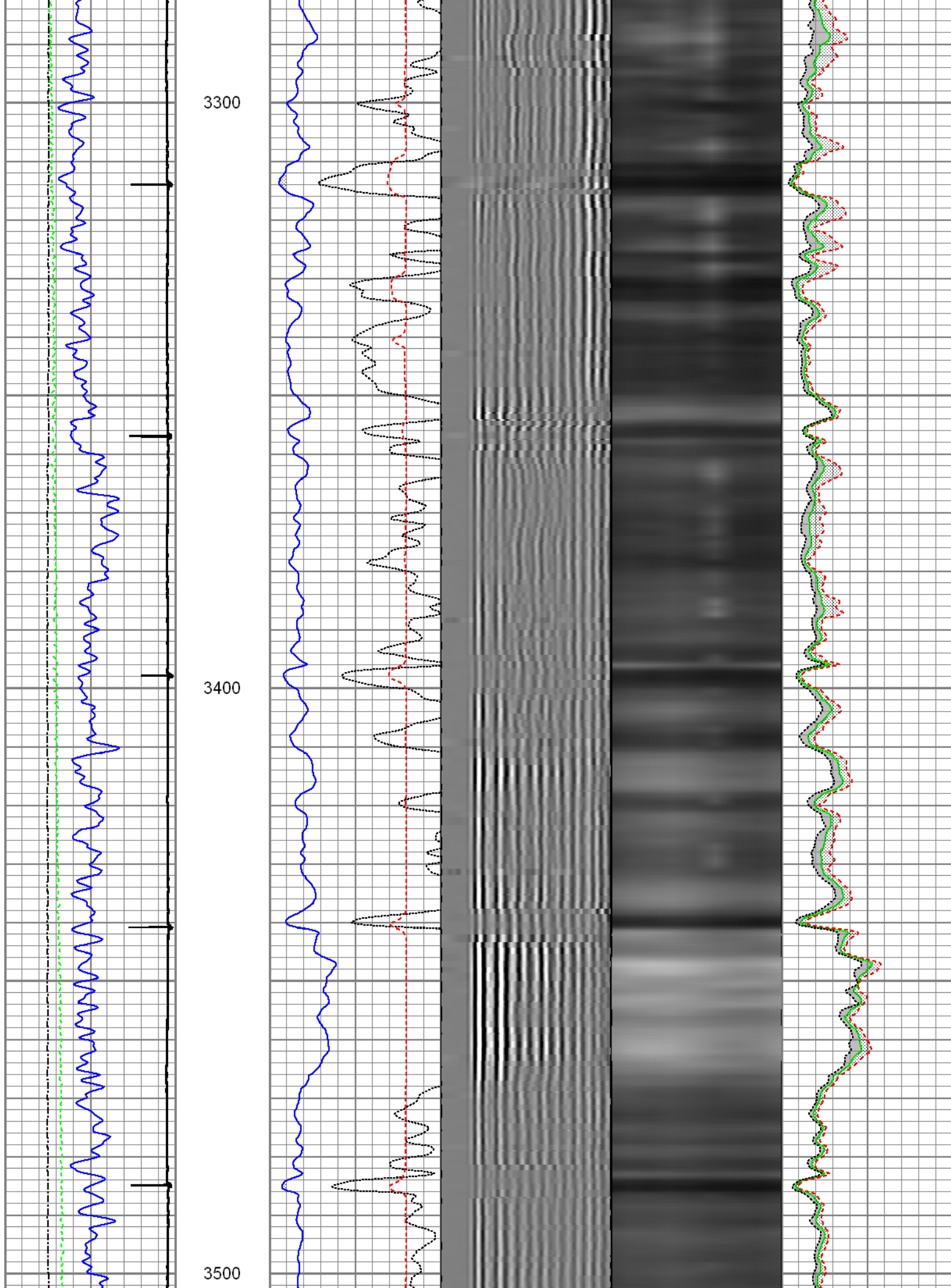
3200



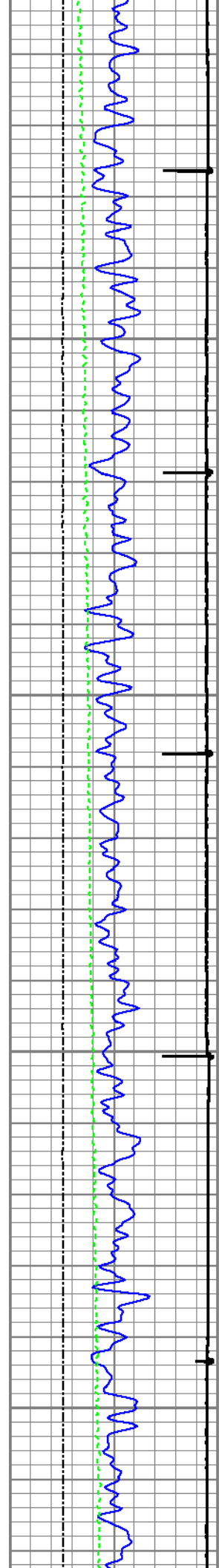
3300

3400

3500

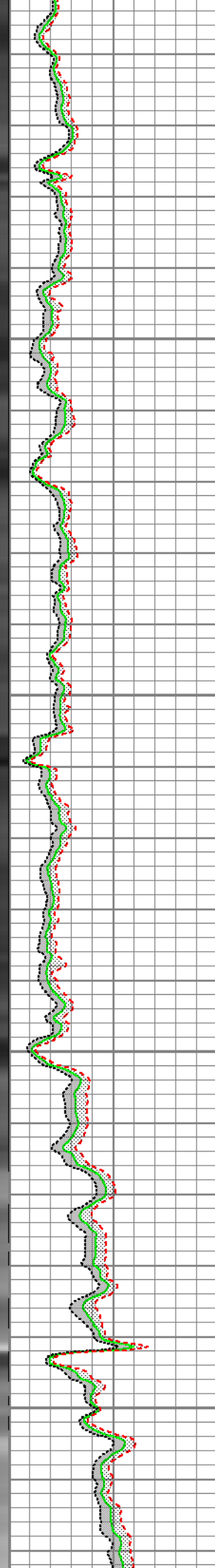
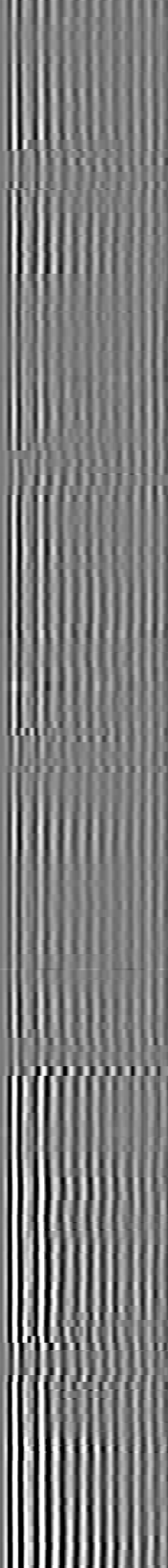
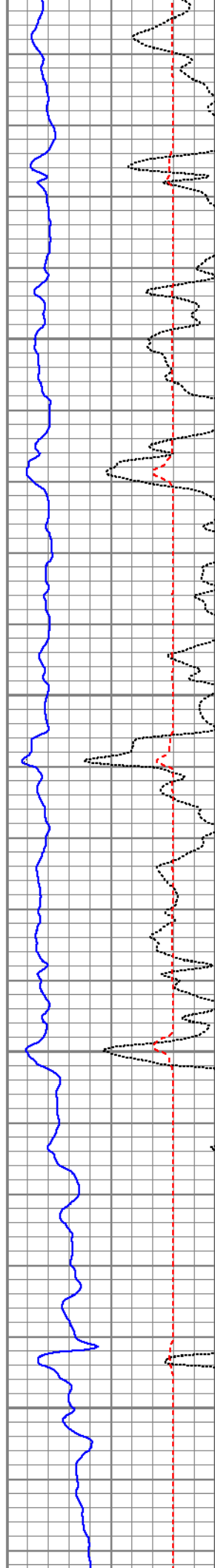


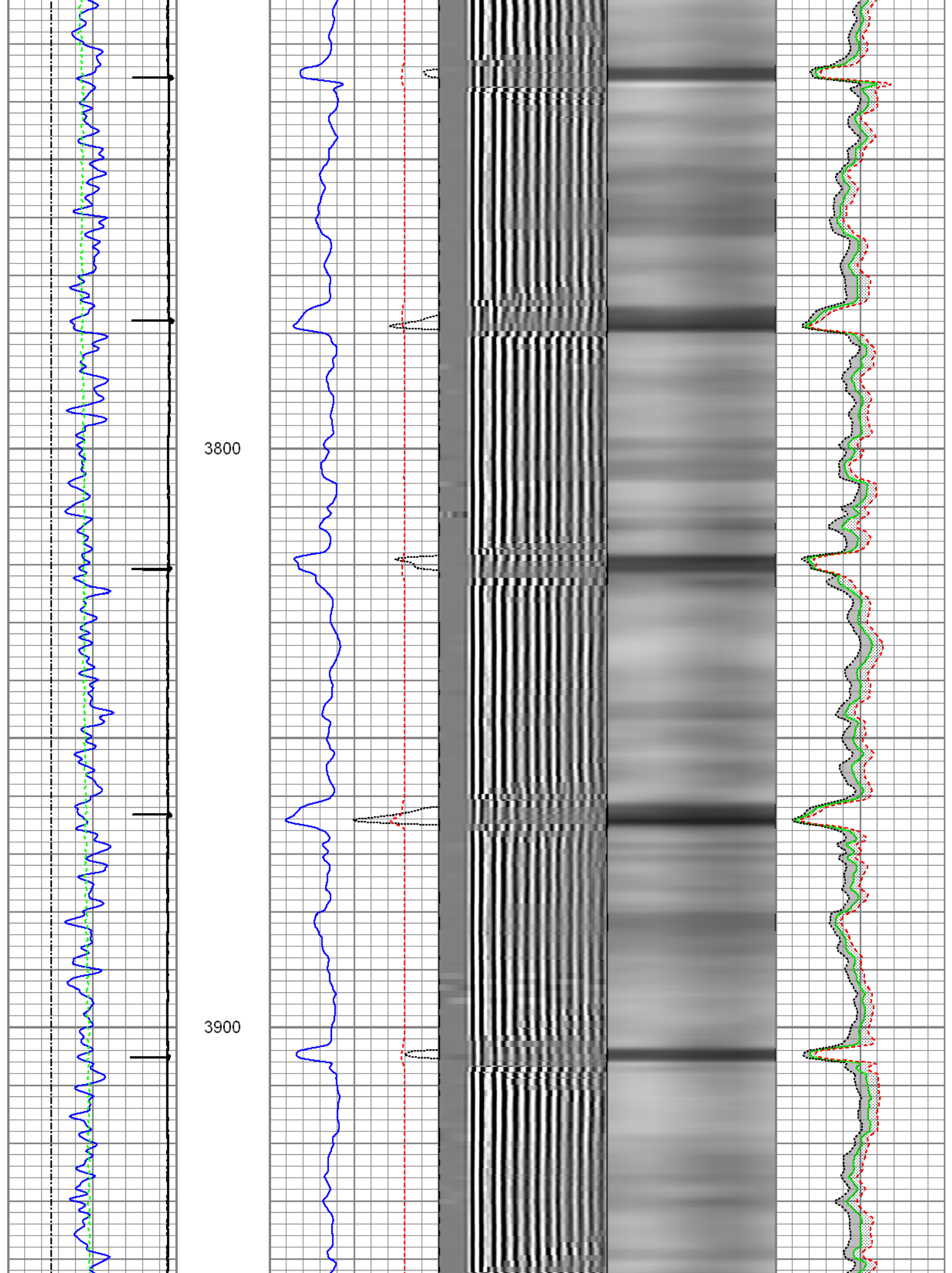


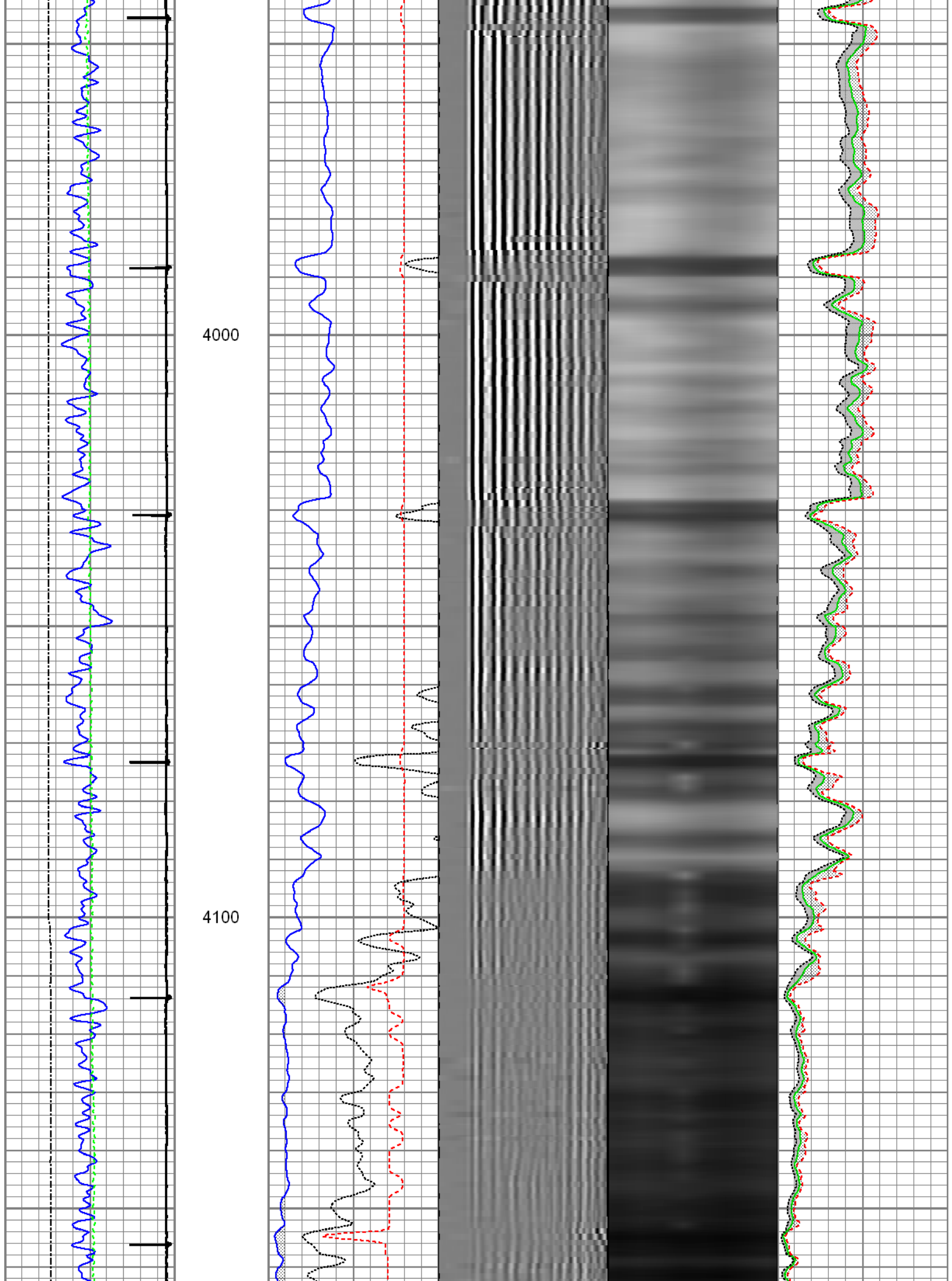


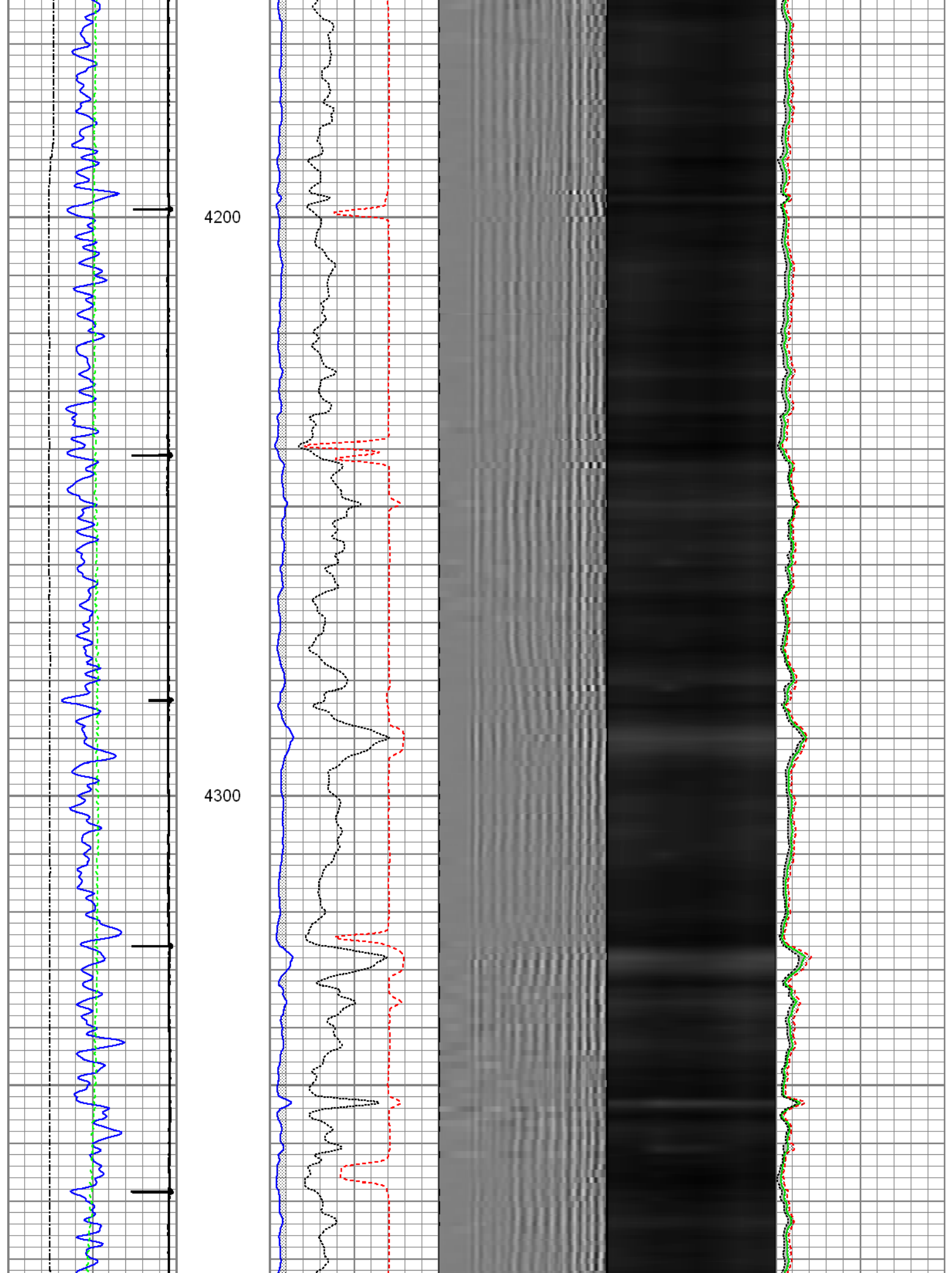
3600

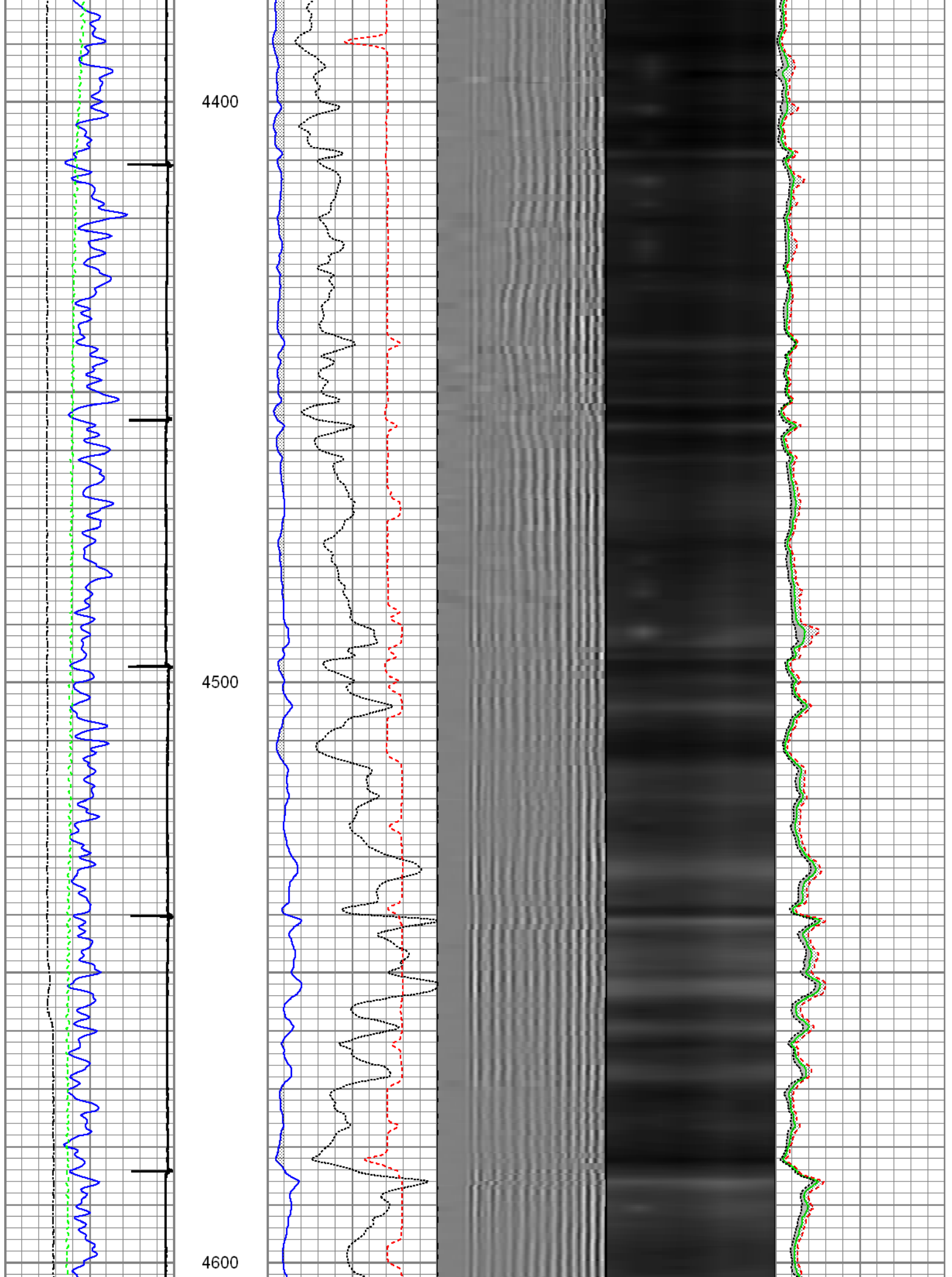
3700



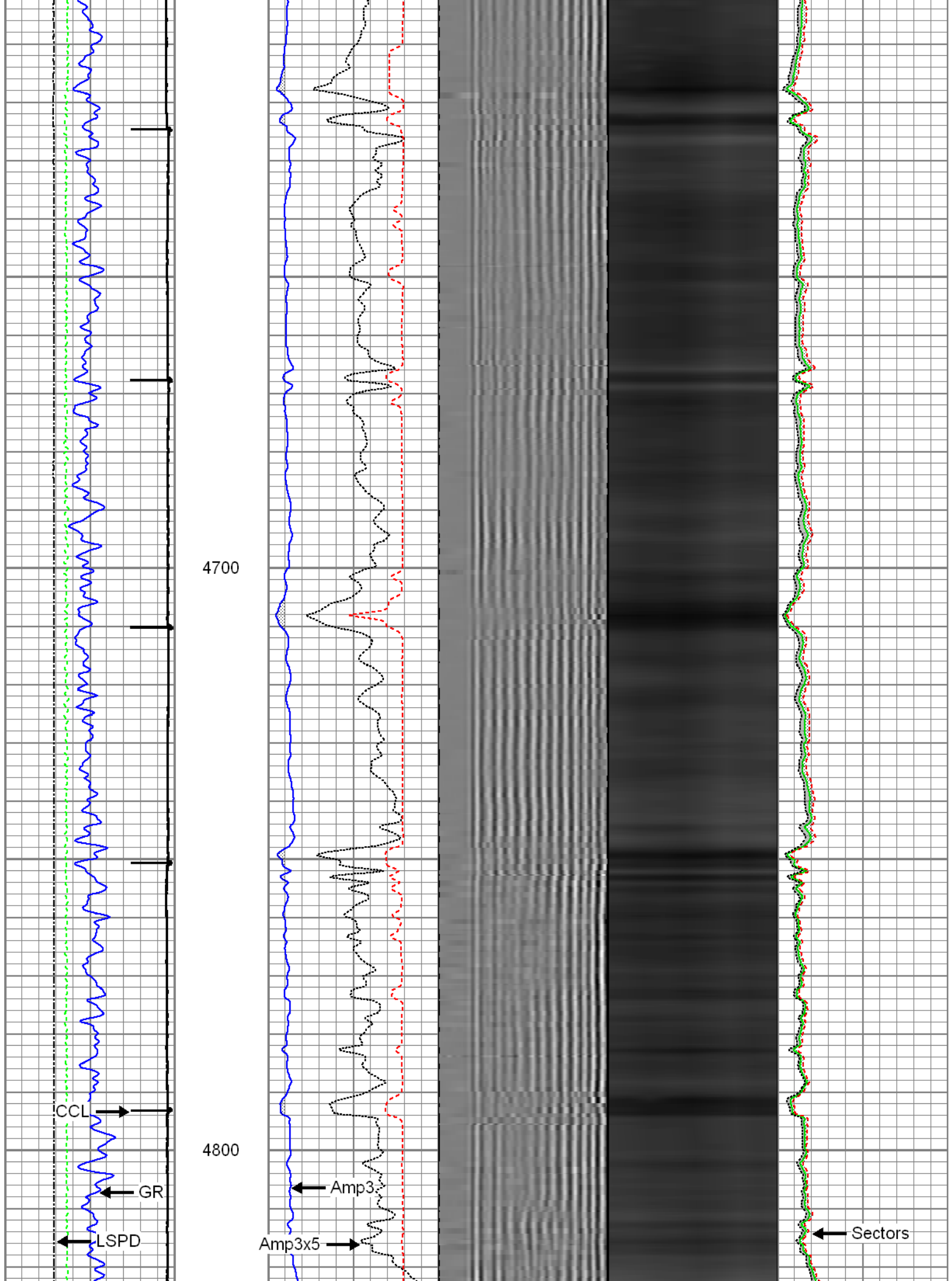


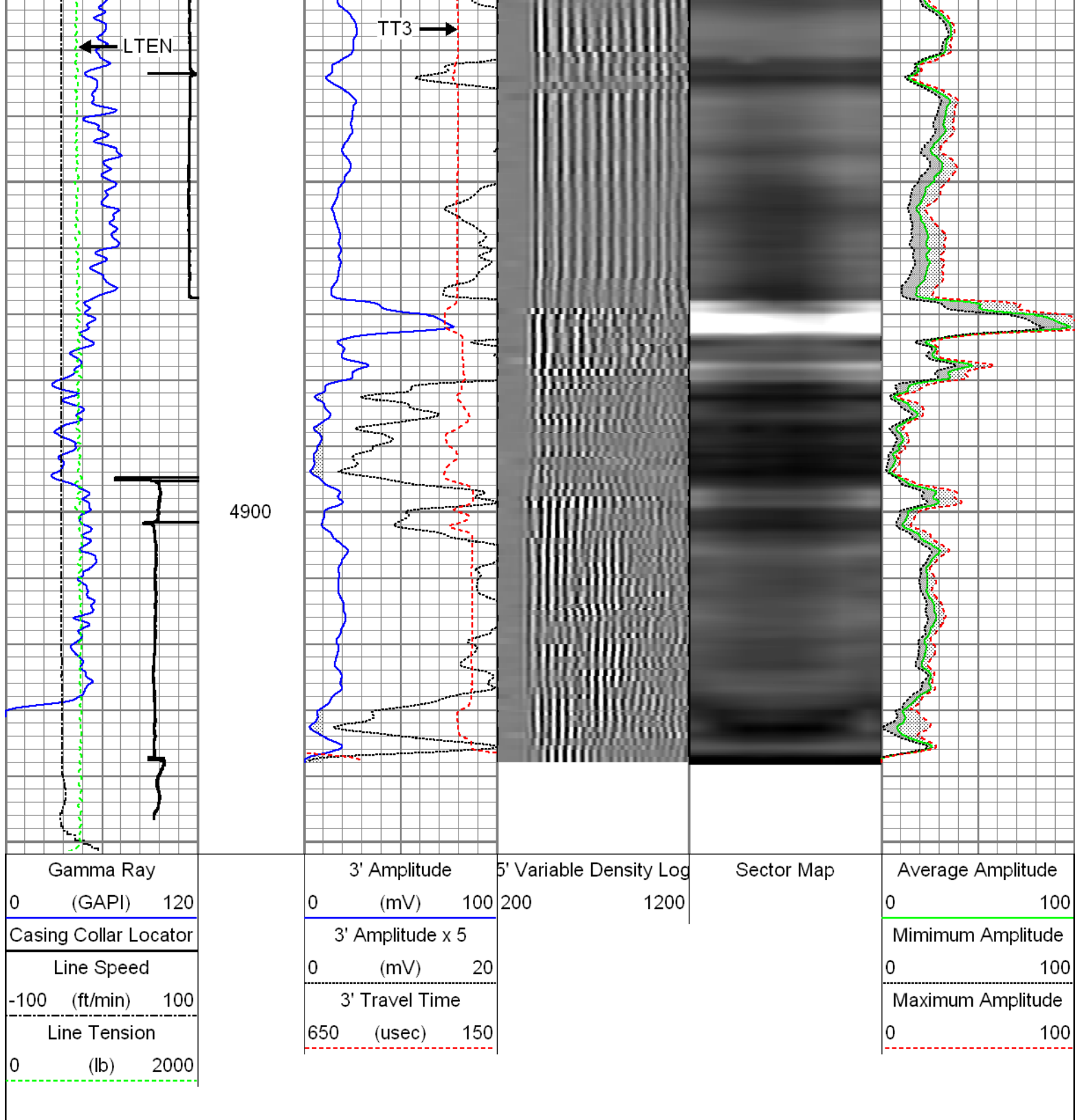








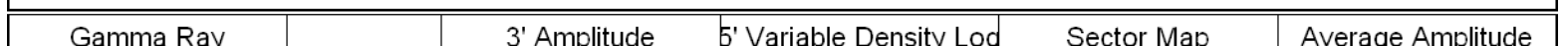




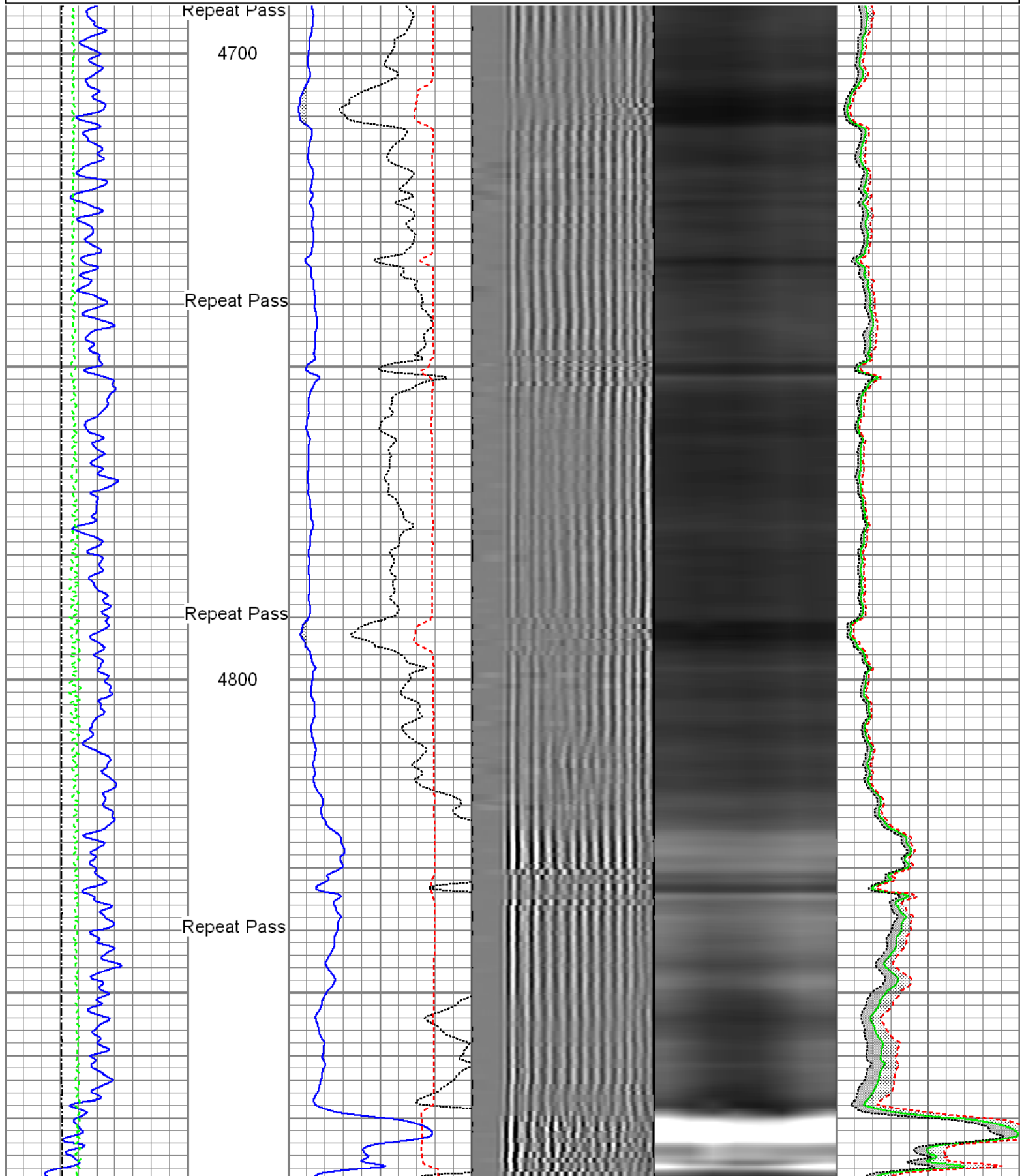
## Repeat Pass

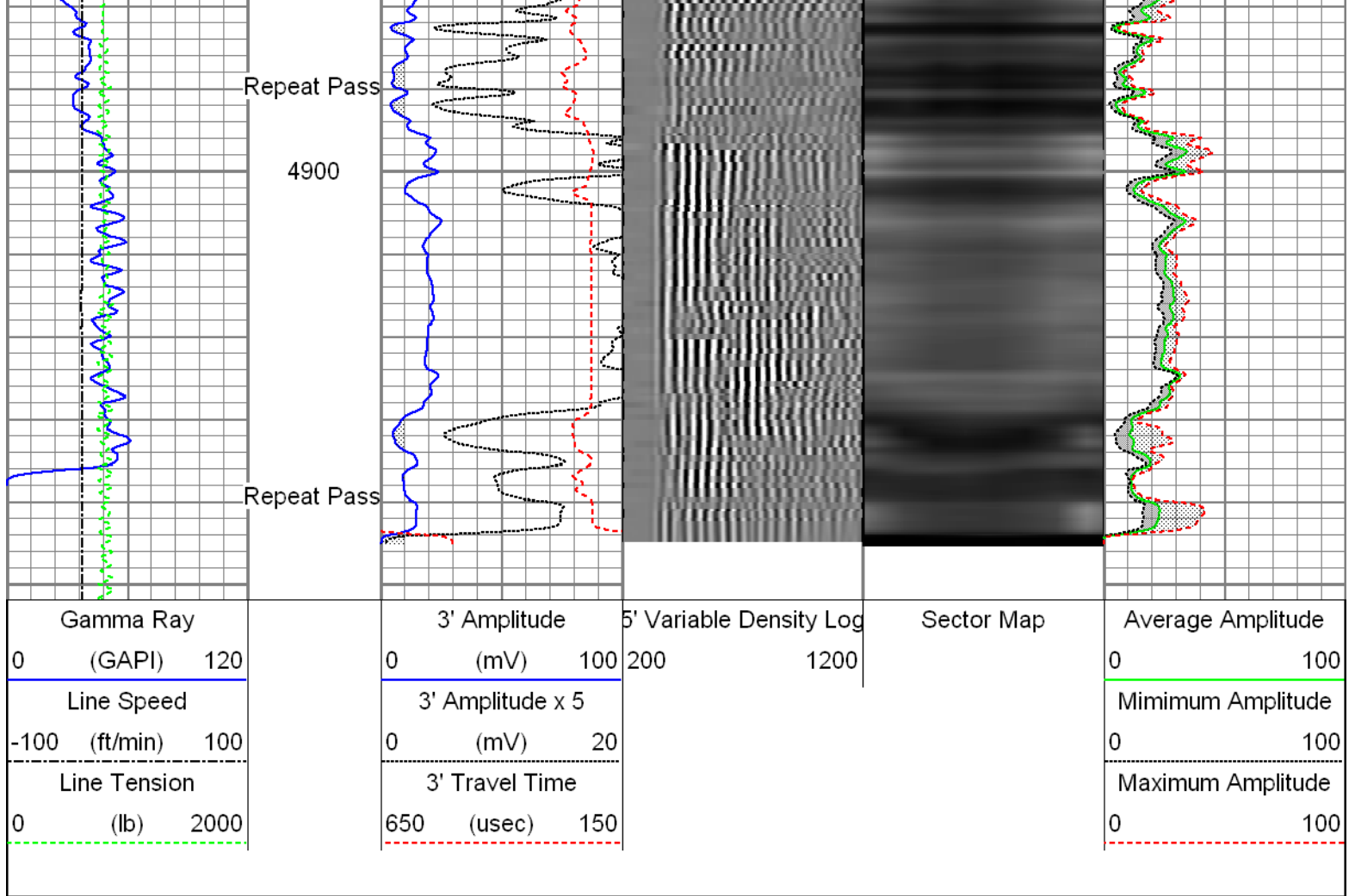
Recorded at 1500 PSI Surface Induced Pressure

Database File: 08-05-14\_whiting\_horsetail 33m-2804\_mit\_rbl.db  
 Dataset Pathname: Repeat  
 Presentation Format: rbt4\_mit  
 Dataset Creation: Tue Aug 05 14:00:01 2014 by Log SCH 111116  
 Charted by: Depth in Feet scaled 1:240

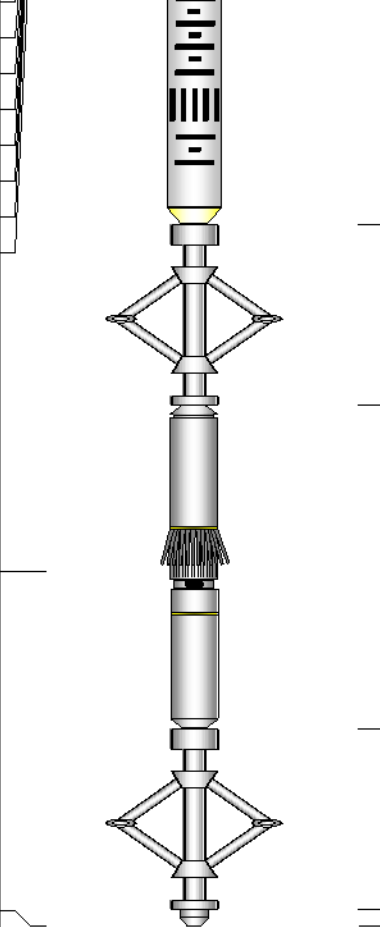


0	(GAPI)	120	0	(mV)	100	200	1200	0	100	
Line Speed			3' Amplitude x 5			Minimum Amplitude				
-100	(ft/min)	100	0	(mV)	20	0				100
Line Tension			3' Travel Time			Maximum Amplitude				
0	(lb)	2000	650	(usec)	150	0				100





Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	22.37		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-DSSRAC (080) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
WV3FT	14.99		UW_RBT-UW_RBT_004 (1066) Sondex Ultrawire 3-1/8" Radial Bond Tool	9.47	3.13	140.00
WVFS1	14.99					
WVFS2	14.99					
WVFS3	14.99					
WVFS4	14.99					

WVFS4	14.99					
WVFS5	14.99					
WVFS6	14.99					
WVFS7	14.99					
WVFS8	14.99					
CBLTEMP	14.99					
CBLROT	14.99					
WVF5FT	13.99					
			UW_PRC-DSSRAC (082) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
MIT	4.97		UW_MIT-UW_MIT40_042 (10012912) 40 Multifinger Imaging Tool	4.54	2.75	61.10
			UW_PRC #3 -DSSRAC (084) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
			UW_BUL-UW_BUL_006 (218707) Sondex Ultrawire Bullnose Terminator	0.22	1.69	1.20
TSTAMP	0.00					
Dataset: 08-05-14_Whiting_Horsetail 33M-2804_MIT_RBL.db: field/well/run1/Main4 Total Length: 26.62 ft Total Weight: 319.30 lb O.D. 3.13 in						

Calibration Report		
Database File:	08-05-14_Whiting_Horsetail 33M-2804_MIT_RBL.db	
Dataset Pathname:	Main4	
Dataset Creation:	Tue Aug 05 16:13:53 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:			Tue Aug 05 12:56:39 2014		
Ring size:	4	5	6	7	
(in)	Sens	Sens	Sens		



Finger 01:	1059	362.0	1421	386.0	1807	400.0	2207
Finger 02:	1190	361.0	1551	392.0	1943	394.0	2337
Finger 03:	1076	367.0	1443	409.0	1852	422.0	2274
Finger 04:	1091	354.0	1445	398.0	1843	412.0	2255
Finger 05:	1090	370.0	1460	406.0	1866	418.0	2284
Finger 06:	1086	368.0	1454	403.0	1857	414.0	2271
Finger 07:	1081	365.0	1446	404.0	1850	423.0	2273
Finger 08:	1083	375.0	1458	398.0	1856	415.0	2271
Finger 09:	1089	363.0	1452	400.0	1852	425.0	2277
Finger 10:	1087	362.0	1449	398.0	1847	418.0	2265
Finger 11:	1097	362.0	1459	394.0	1853	421.0	2274
Finger 12:	1092	357.0	1449	396.0	1845	419.0	2264
Finger 13:	1100	360.0	1460	390.0	1850	415.0	2265
Finger 14:	1074	366.0	1440	400.0	1840	427.0	2267
Finger 15:	1036	381.0	1417	407.0	1824	443.0	2267
Finger 16:	1053	371.0	1424	407.0	1831	443.0	2274
Finger 17:	1018	372.0	1390	405.0	1795	448.0	2243
Finger 18:	1105	369.0	1474	387.0	1861	418.0	2279
Finger 19:	1057	369.0	1426	401.0	1827	425.0	2252
Finger 20:	1034	372.0	1406	404.0	1810	439.0	2249
Finger 21:	1057	379.0	1436	401.0	1837	422.0	2259
Finger 22:	1017	379.0	1396	403.0	1799	433.0	2232
Finger 23:	992	379.0	1371	410.0	1781	443.0	2224
Finger 24:	1047	374.0	1421	390.0	1811	405.0	2216
Finger 25:	1009	378.0	1387	406.0	1793	434.0	2227
Finger 26:	1139	366.0	1505	378.0	1883	397.0	2280
Finger 27:	1084	375.0	1459	398.0	1857	413.0	2270
Finger 28:	1109	371.0	1480	383.0	1863	402.0	2265
Finger 29:	1066	380.0	1446	403.0	1849	421.0	2270
Finger 30:	1077	378.0	1455	394.0	1849	411.0	2260
Finger 31:	1105	375.0	1480	388.0	1868	403.0	2271
Finger 32:	1095	377.0	1472	407.0	1879	417.0	2296
Finger 33:	1147	370.0	1517	381.0	1898	378.0	2276
Finger 34:	1129	364.0	1493	388.0	1881	404.0	2285
Finger 35:	1060	384.0	1444	415.0	1859	425.0	2284
Finger 36:	1088	370.0	1458	401.0	1859	415.0	2274
Finger 37:	1114	378.0	1492	393.0	1885	400.0	2285
Finger 38:	1144	366.0	1510	391.0	1901	388.0	2289
Finger 39:	1139	360.0	1499	384.0	1883	394.0	2277
Finger 40:	1100	373.0	1473	394.0	1867	407.0	2274

Segmented Cement Bond Log Calibration Report							
Serial Number:		1066					
Tool Model:		UW_RBT_004					
Calibration Casing Diameter:		7.000		in			
Calibration Depth:		431.386		ft			

Master Calibration, performed Wed Jun 18 16:21:25 2014:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.005	0.842	0.800	62.165	73.338	0.442
5FT	-0.001	0.757	0.800	62.165	80.986	0.899
S1	0.011	0.790	0.000	100.000	128.339	-1.405
S2	0.018	0.807	0.000	100.000	126.810	-2.322
S3	0.015	0.831	0.000	100.000	122.536	-1.795
S4	0.004	0.867	0.000	100.000	115.867	-0.454
S5	0.023	0.886	0.000	100.000	115.818	-2.625
S6	0.008	0.892	0.000	100.000	113.090	-0.899
S7	0.010	0.877	0.000	100.000	115.277	-1.105
S8	0.015	0.825	0.000	100.000	123.511	-1.882

