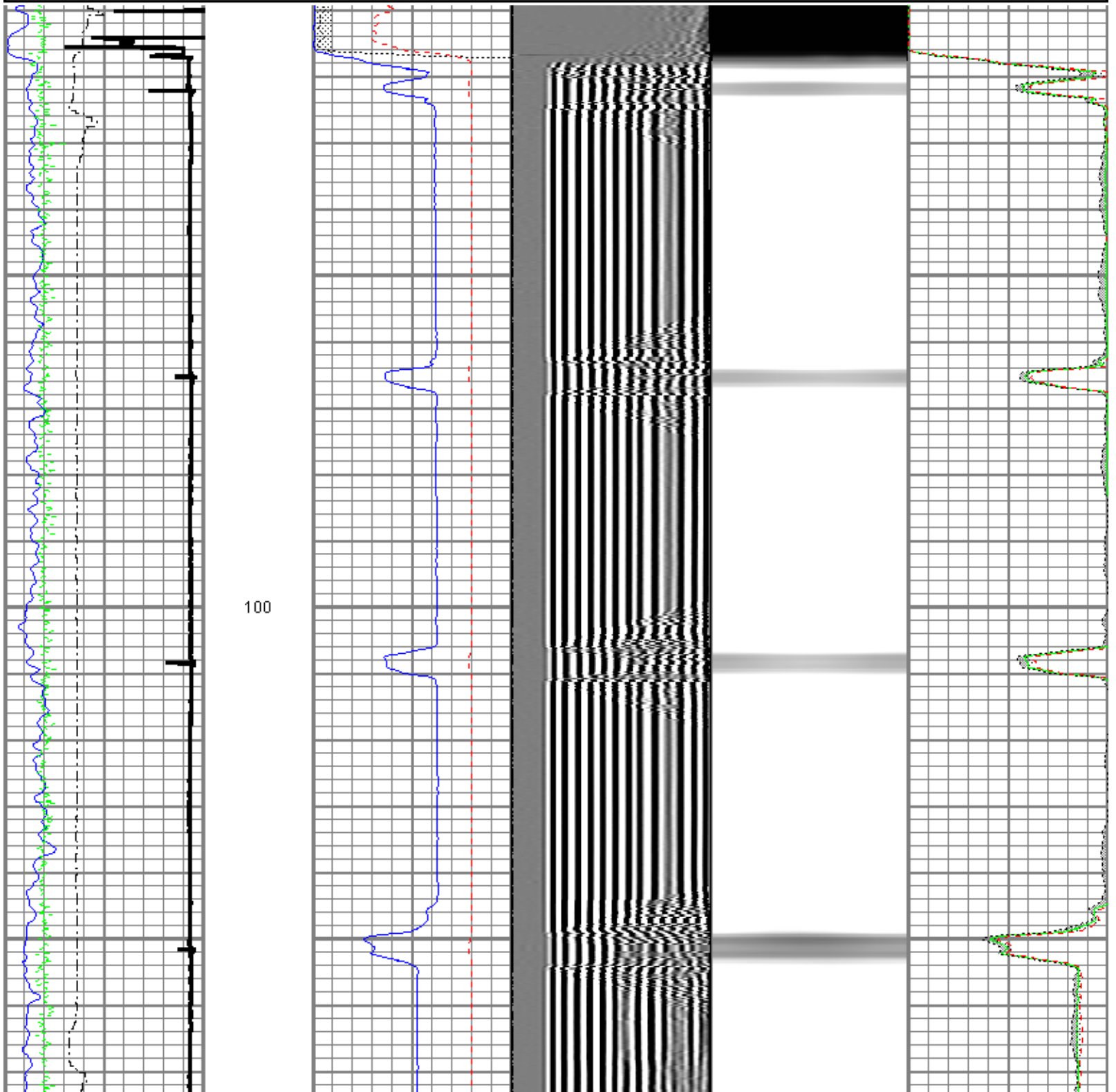
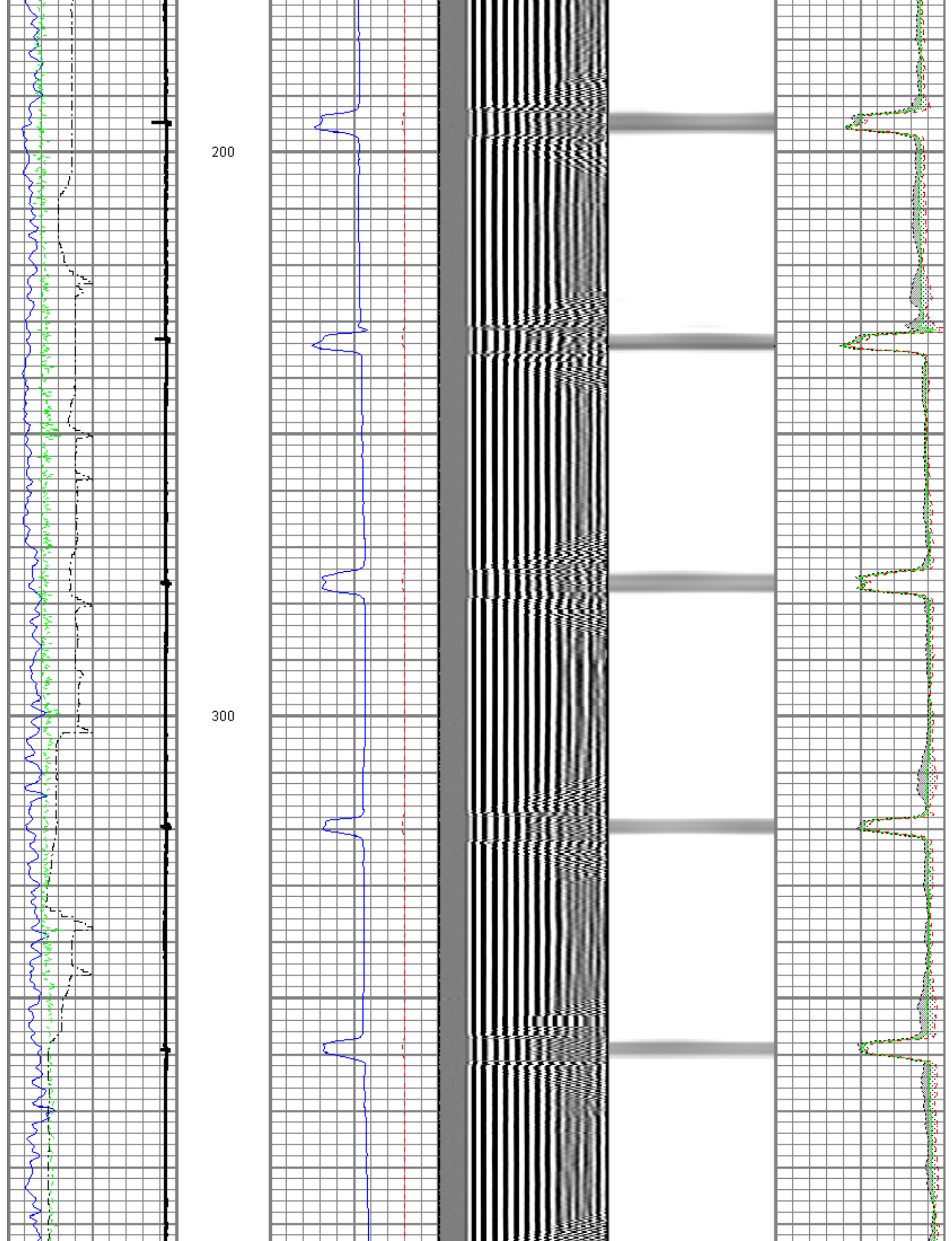


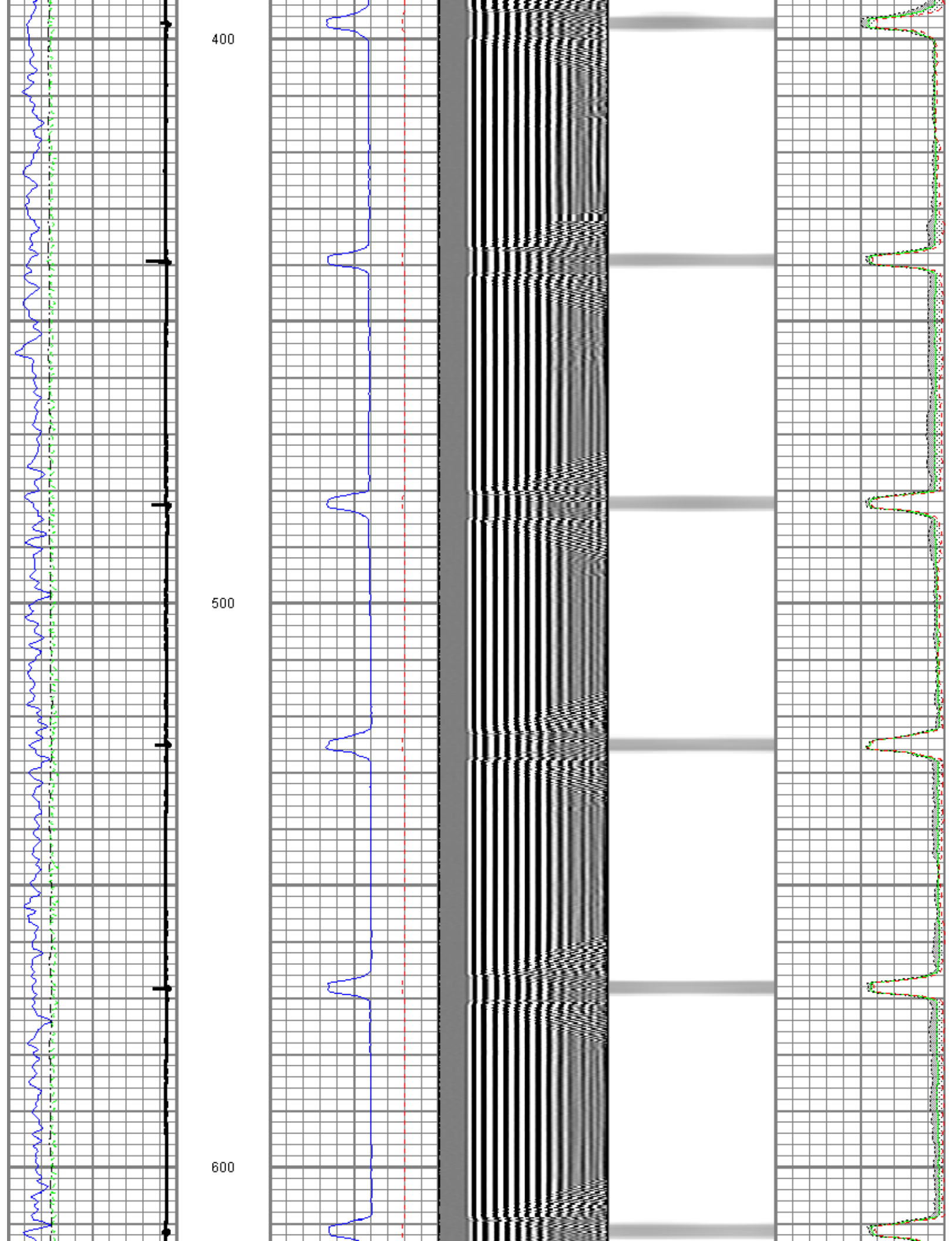
Recorded with 1500 Psi surface induced pressure

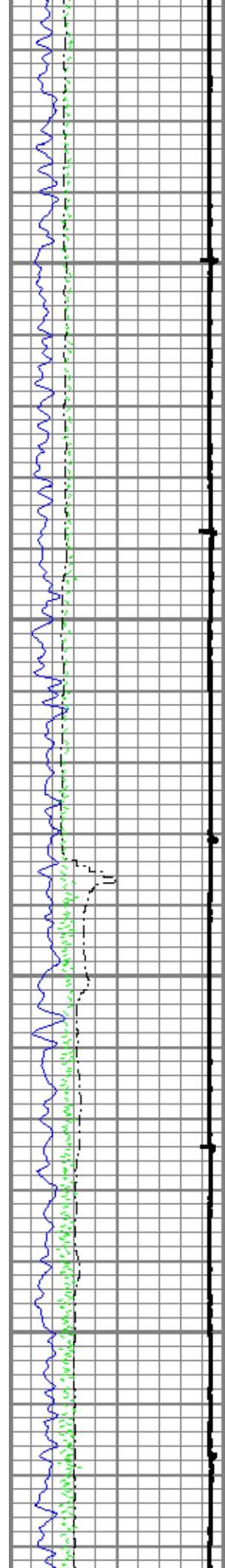
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 Dataset Pathname: main.1
 Presentation Format: rbt4_mit
 Dataset Creation: Mon Sep 29 11:56:41 2014 by Calc SCH 120430
 Charted by: Depth in Feet scaled 1:240

Gamma Ray (GAPI) 120 <hr/> Casing Collar Locator <hr/> Line Speed (ft/min) 100 <hr/> Line Tension (lb) 2000	0 3' Amplitude (mV) 100 <hr/> 3' Amplitude x 5 (mV) 20 <hr/> 3' Travel Time (usec) 150 <hr style="border-top: 1px dashed red;"/>	5' Variable Density Log 200 1200	Sector Map <hr/> 0 Average Amplitude 100 Minimum Amplitude 0 100 <hr/> Maximum Amplitude 0 100 <hr style="border-top: 1px dashed red;"/>
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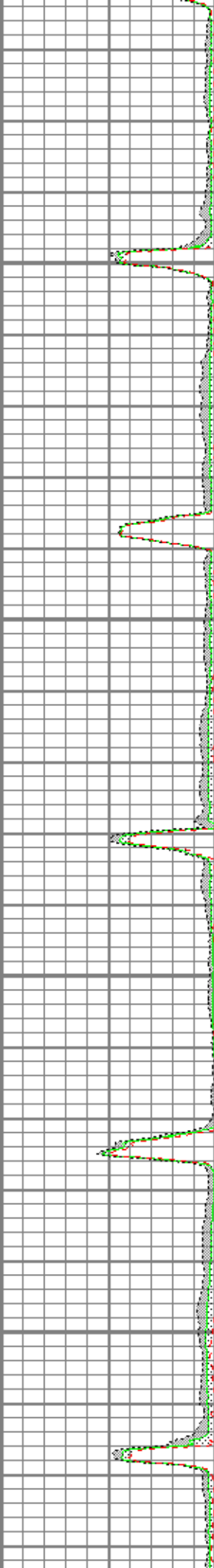
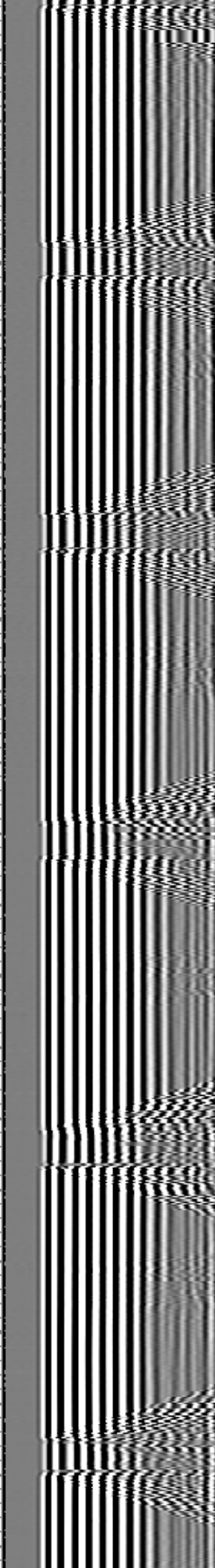
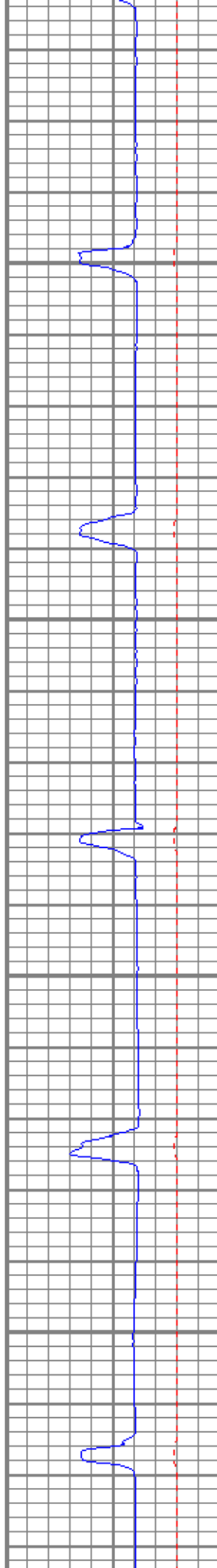


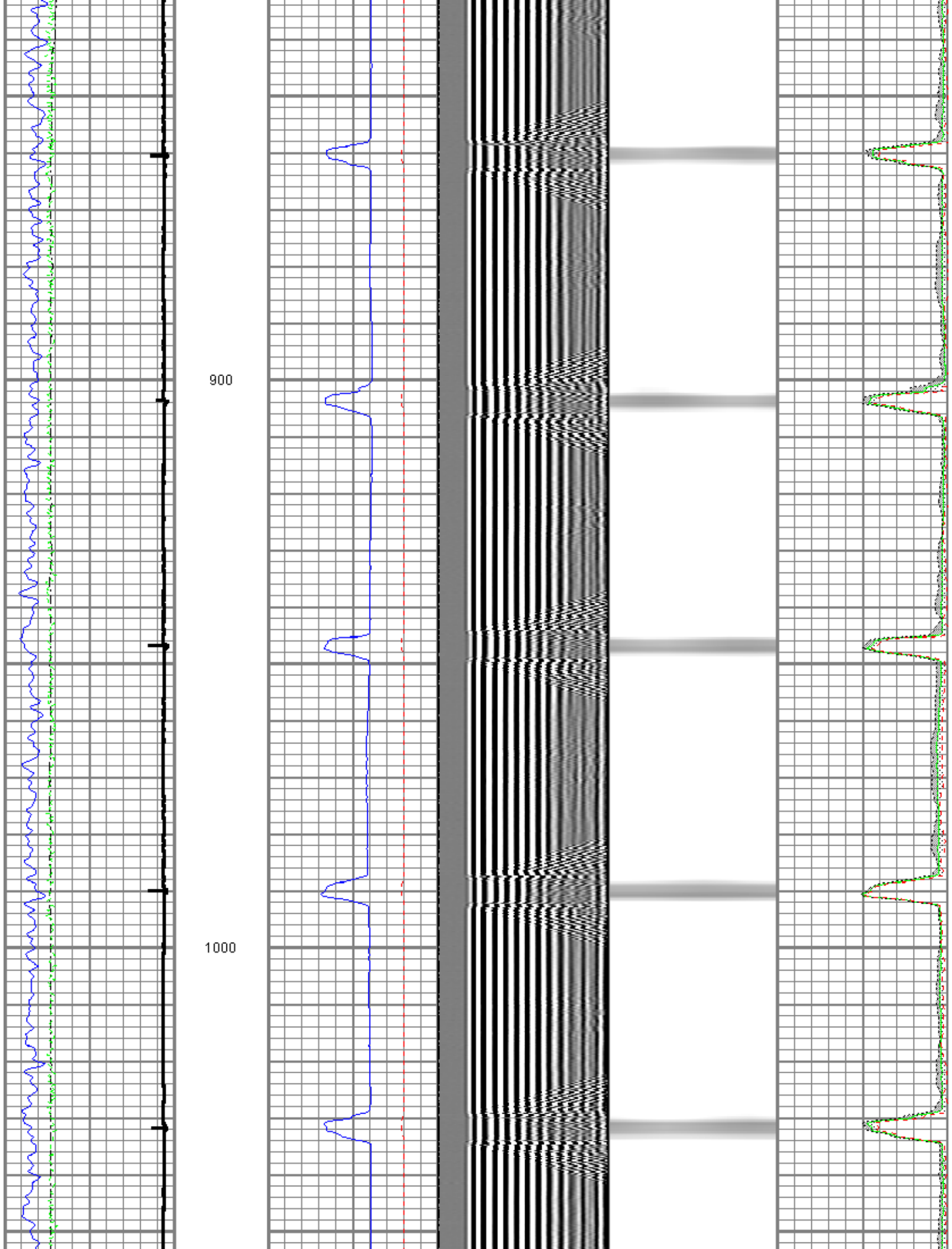


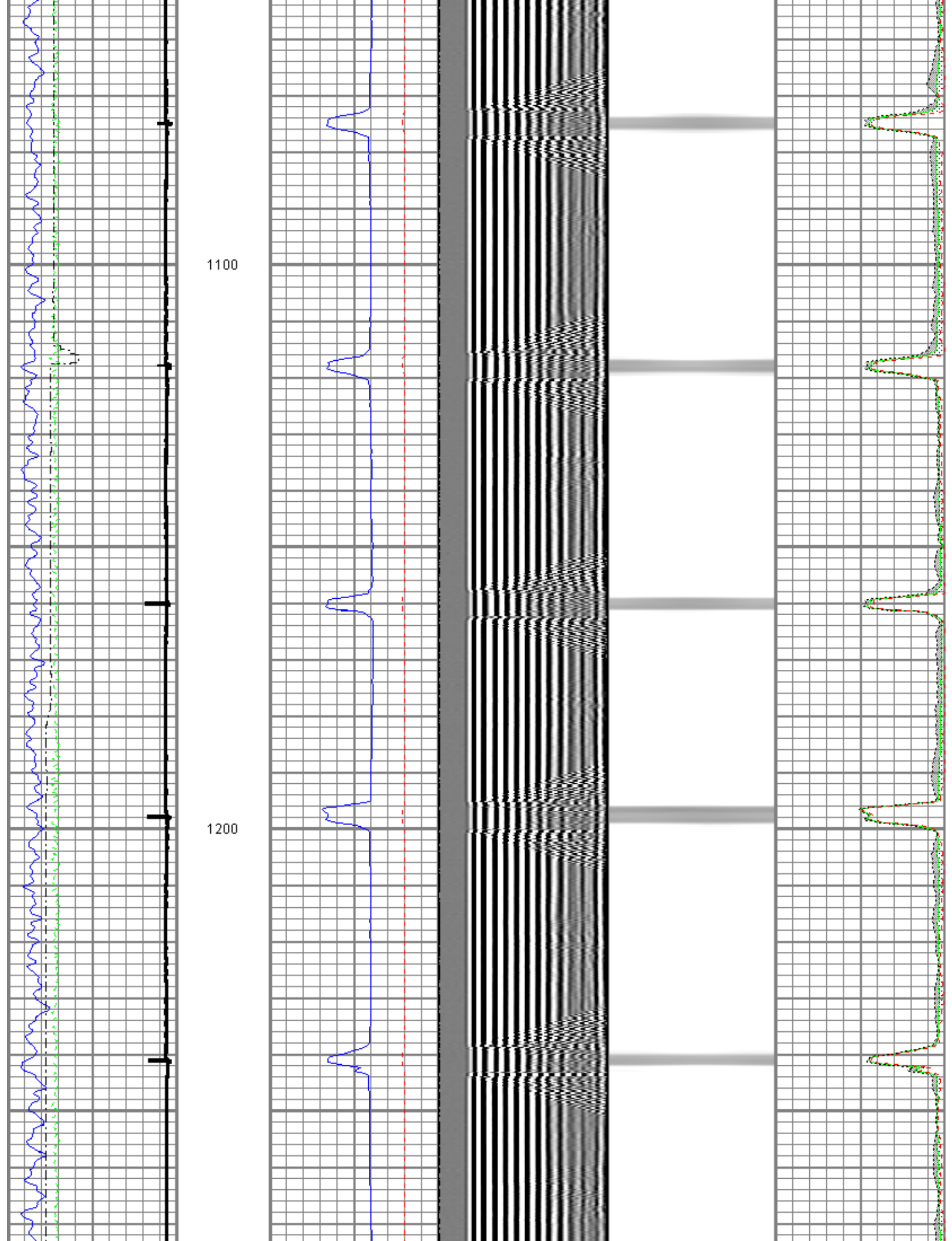


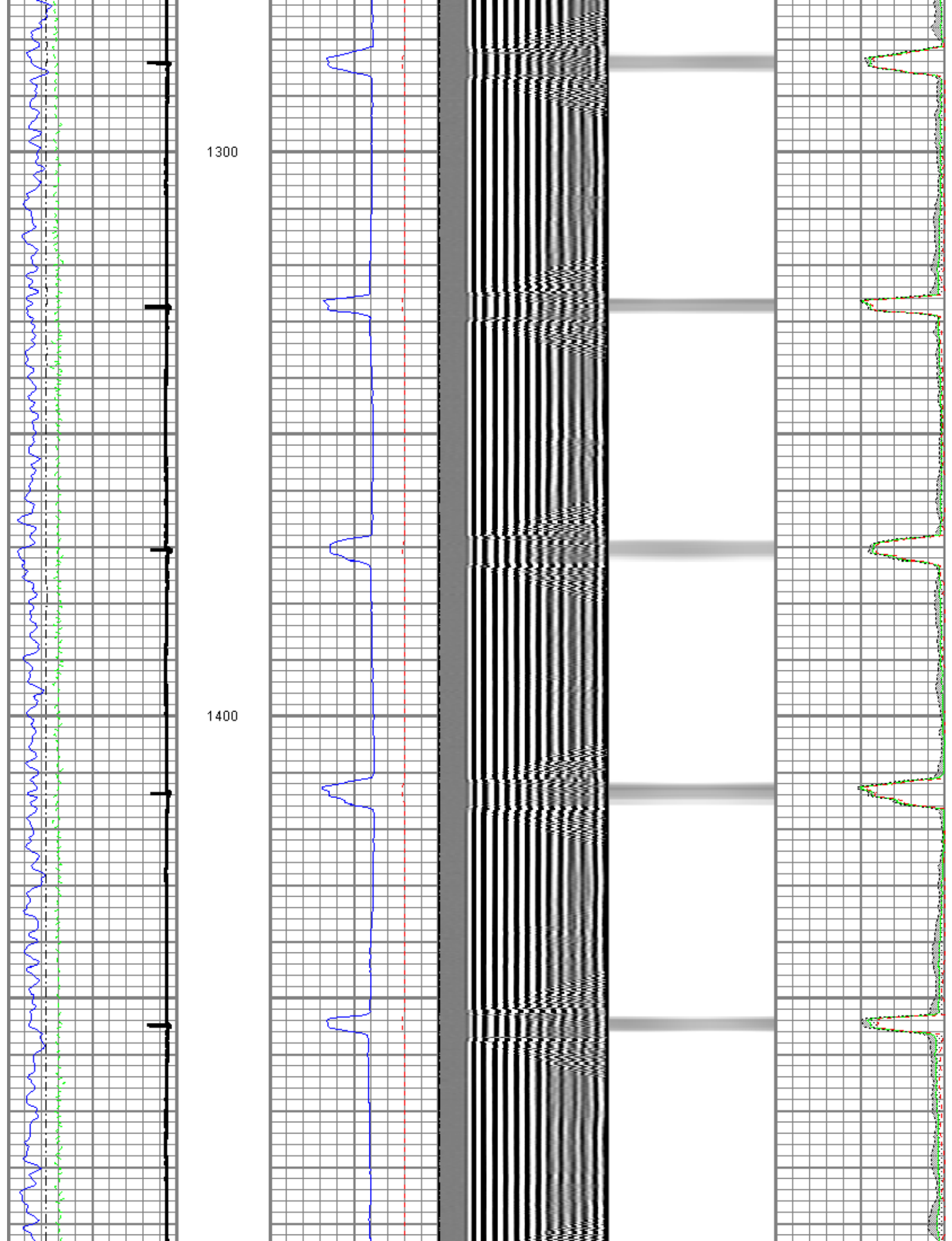
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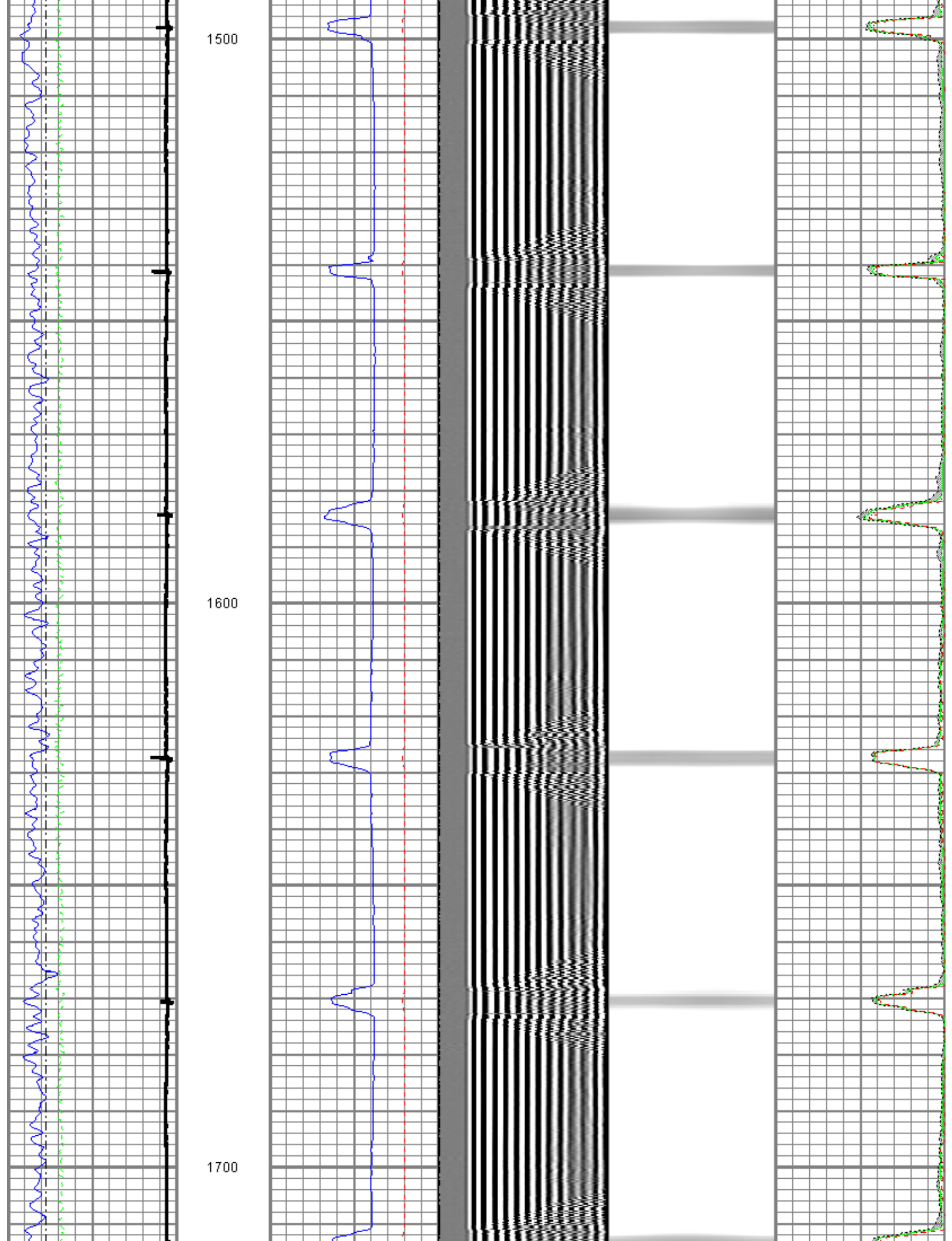
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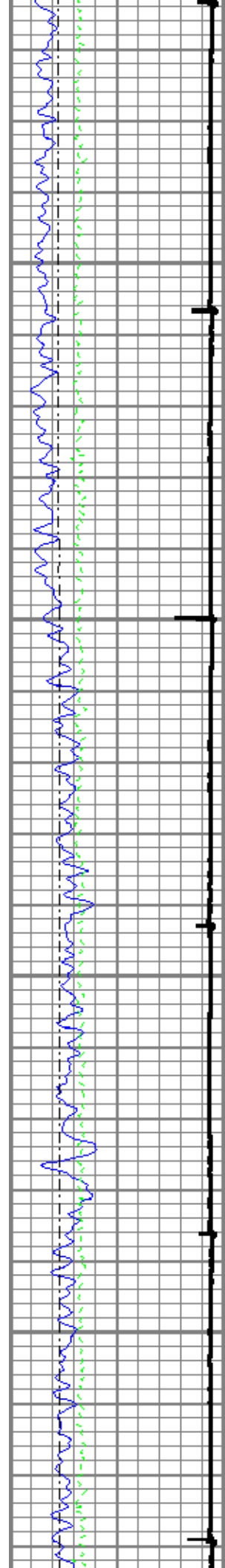






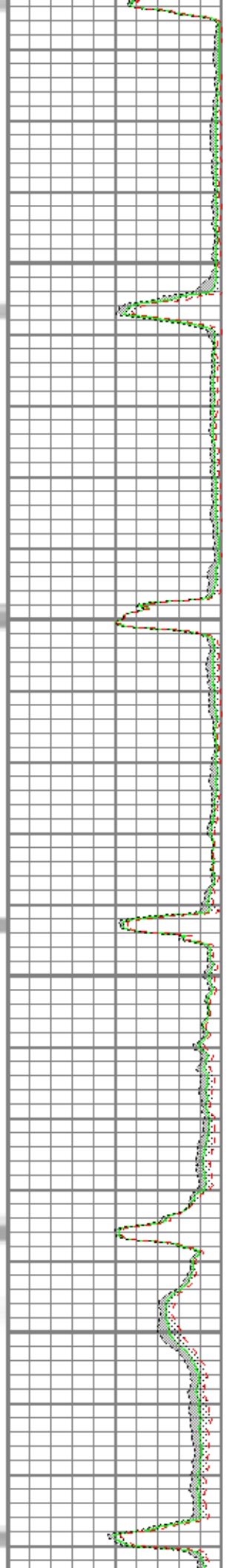
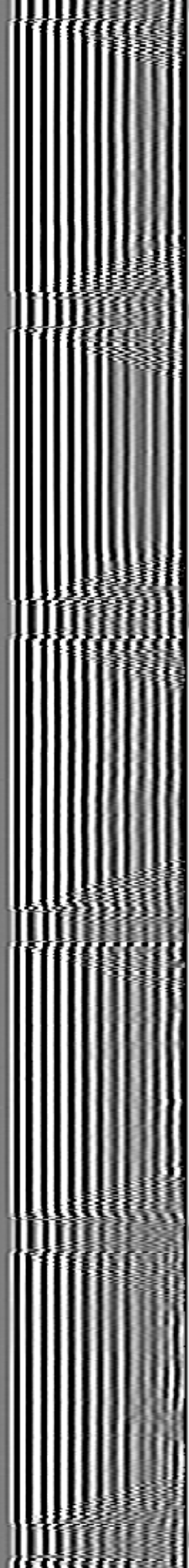
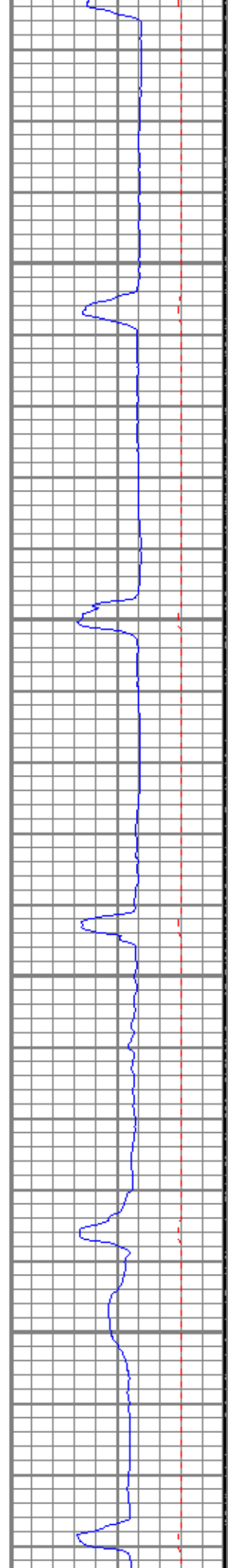


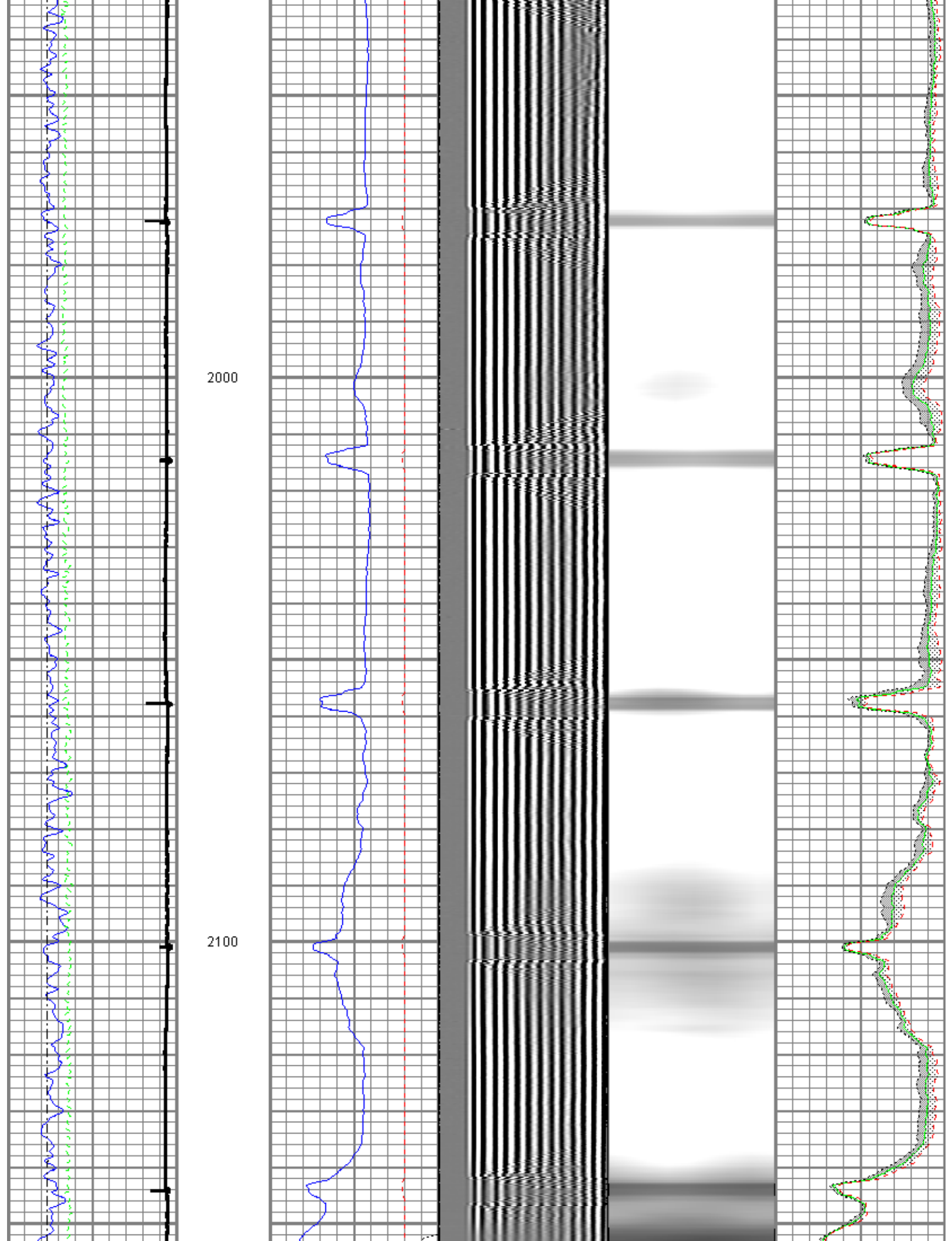


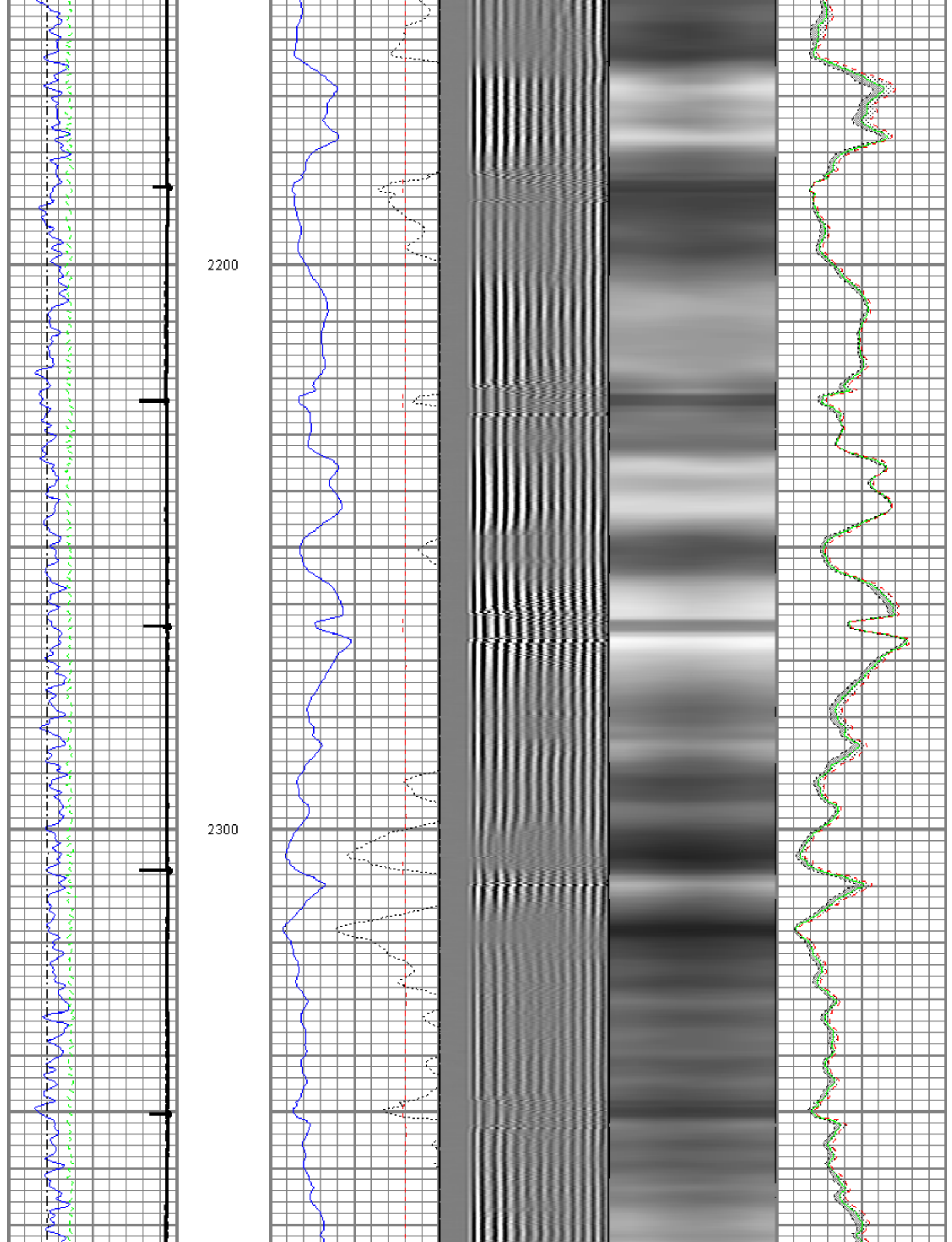


1800

1900

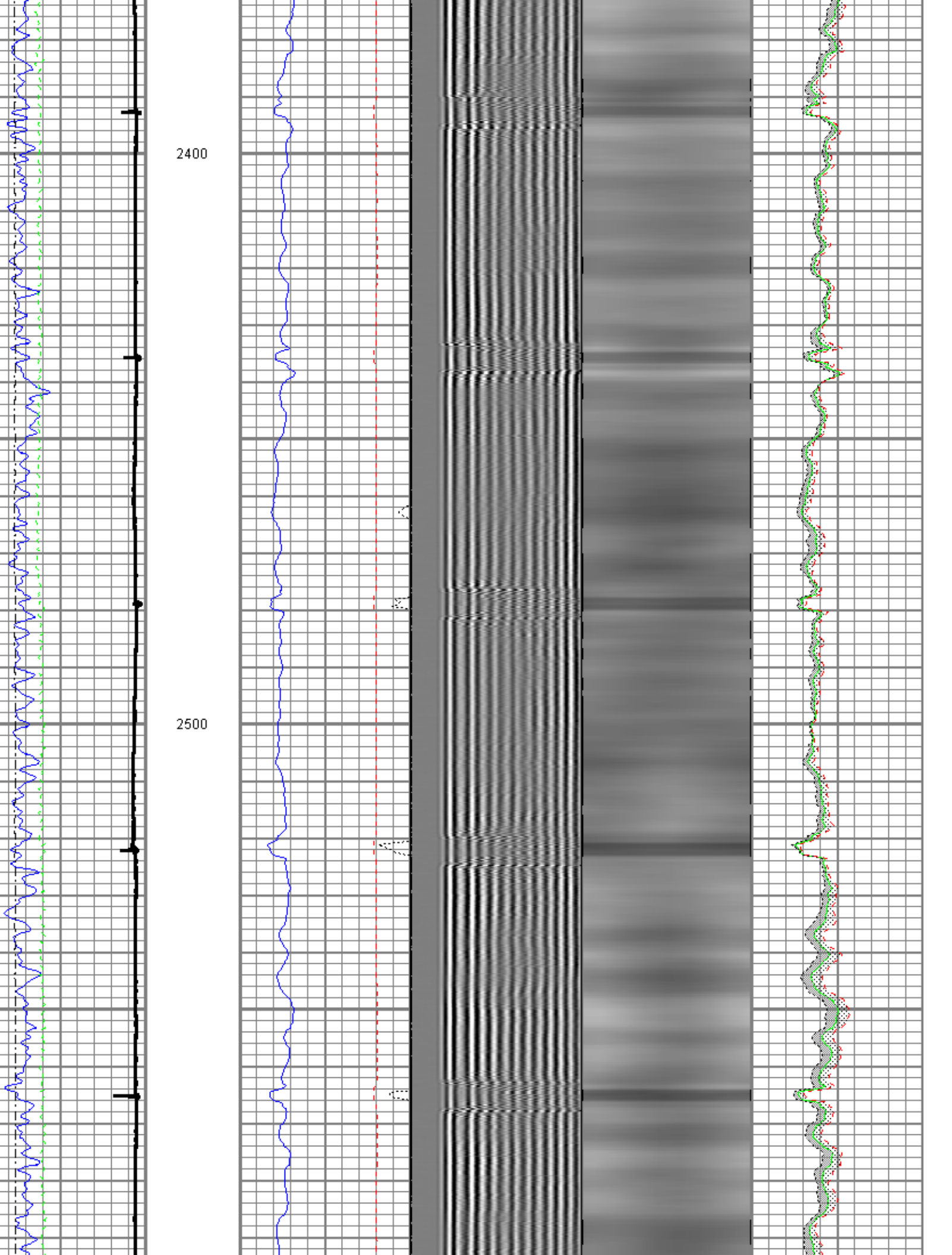


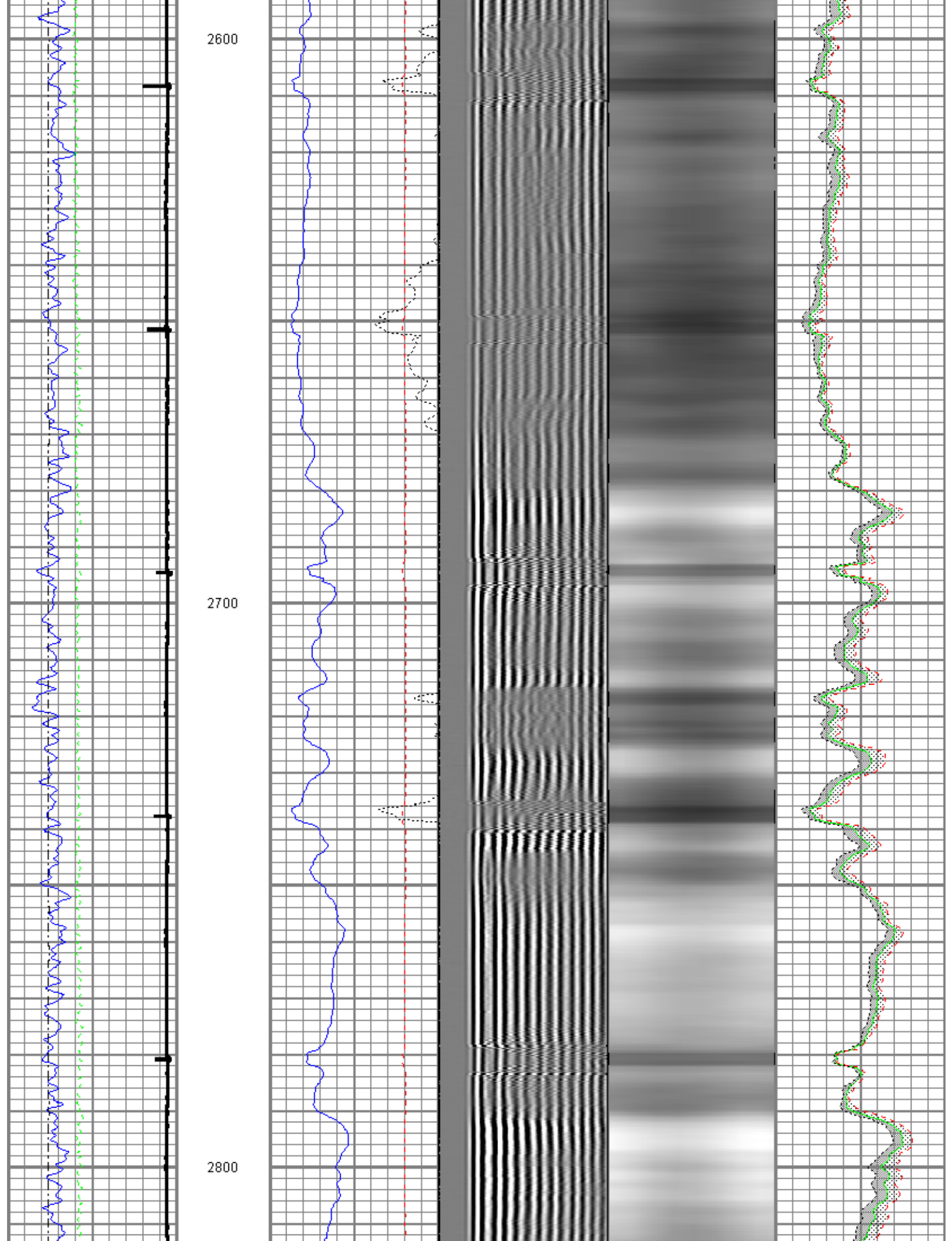


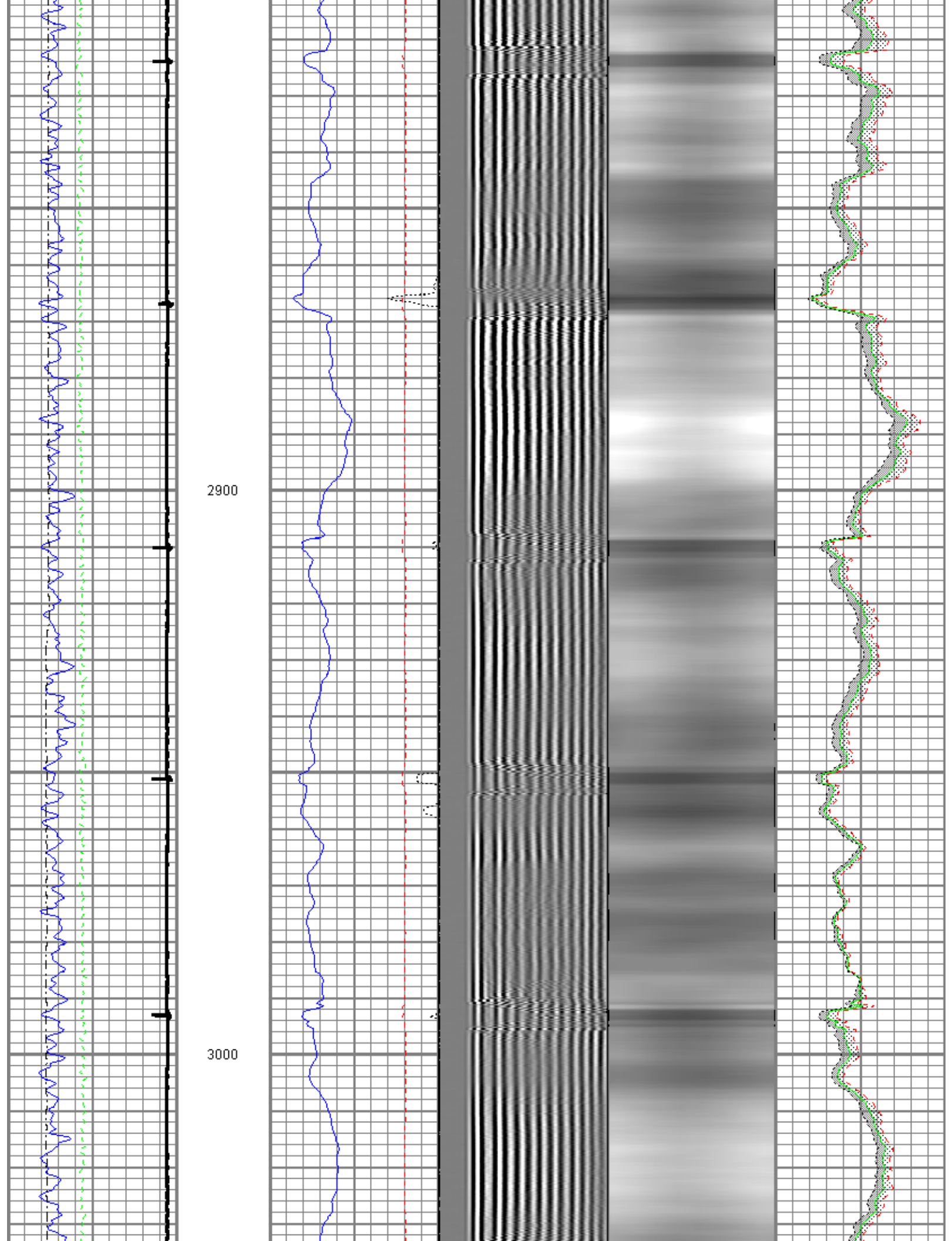


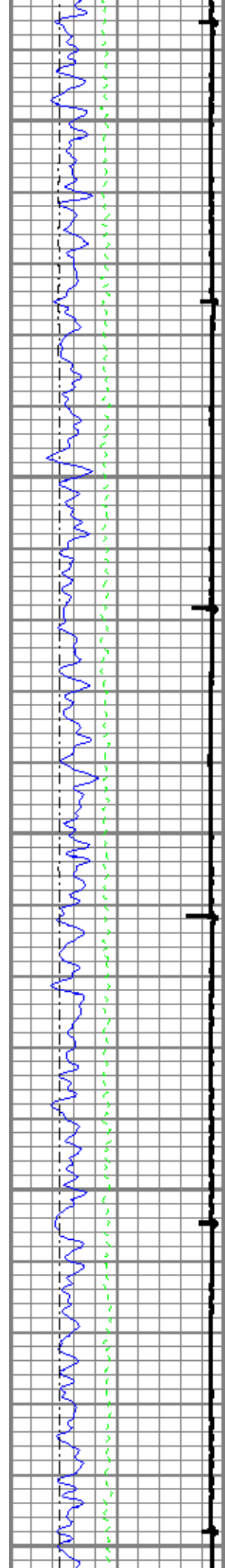
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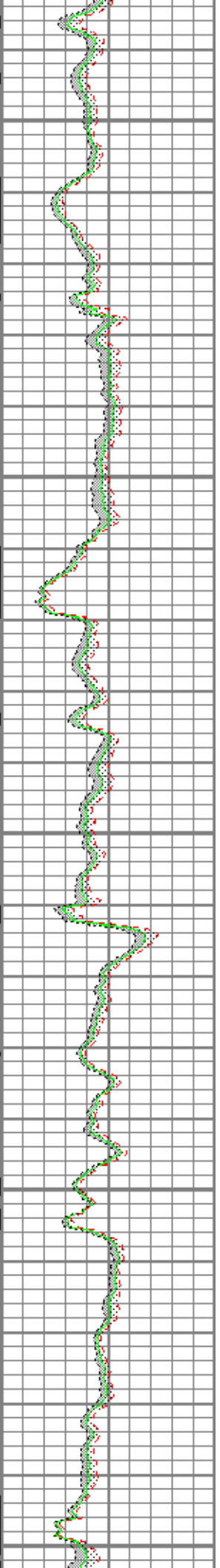
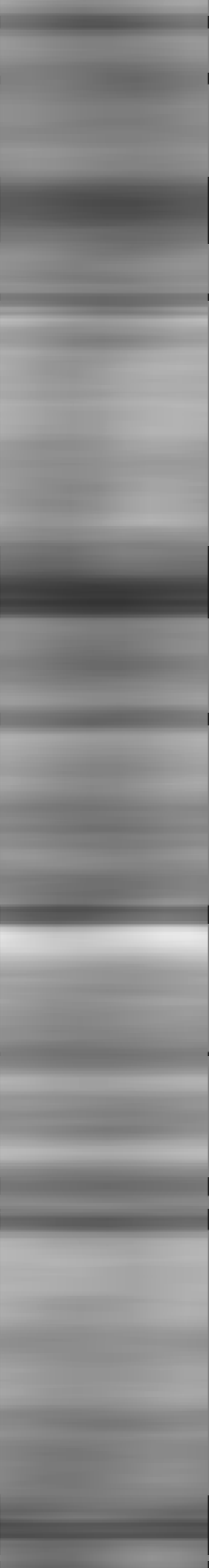
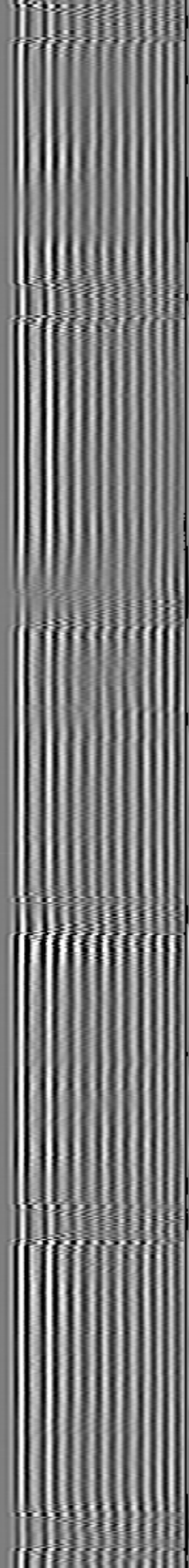
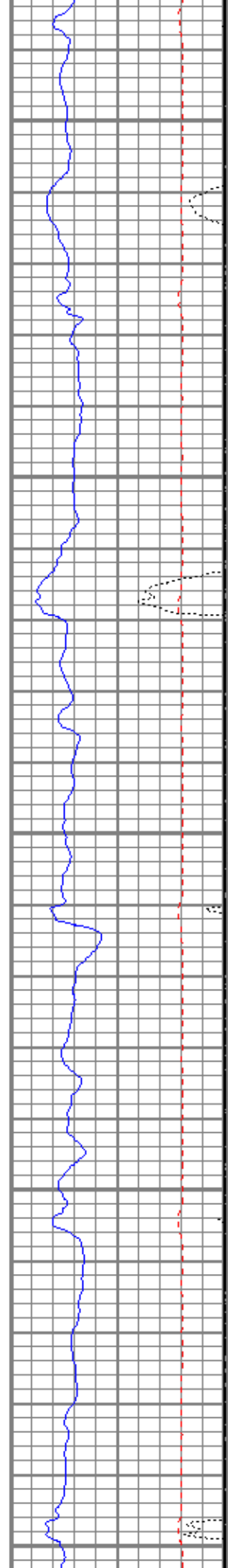






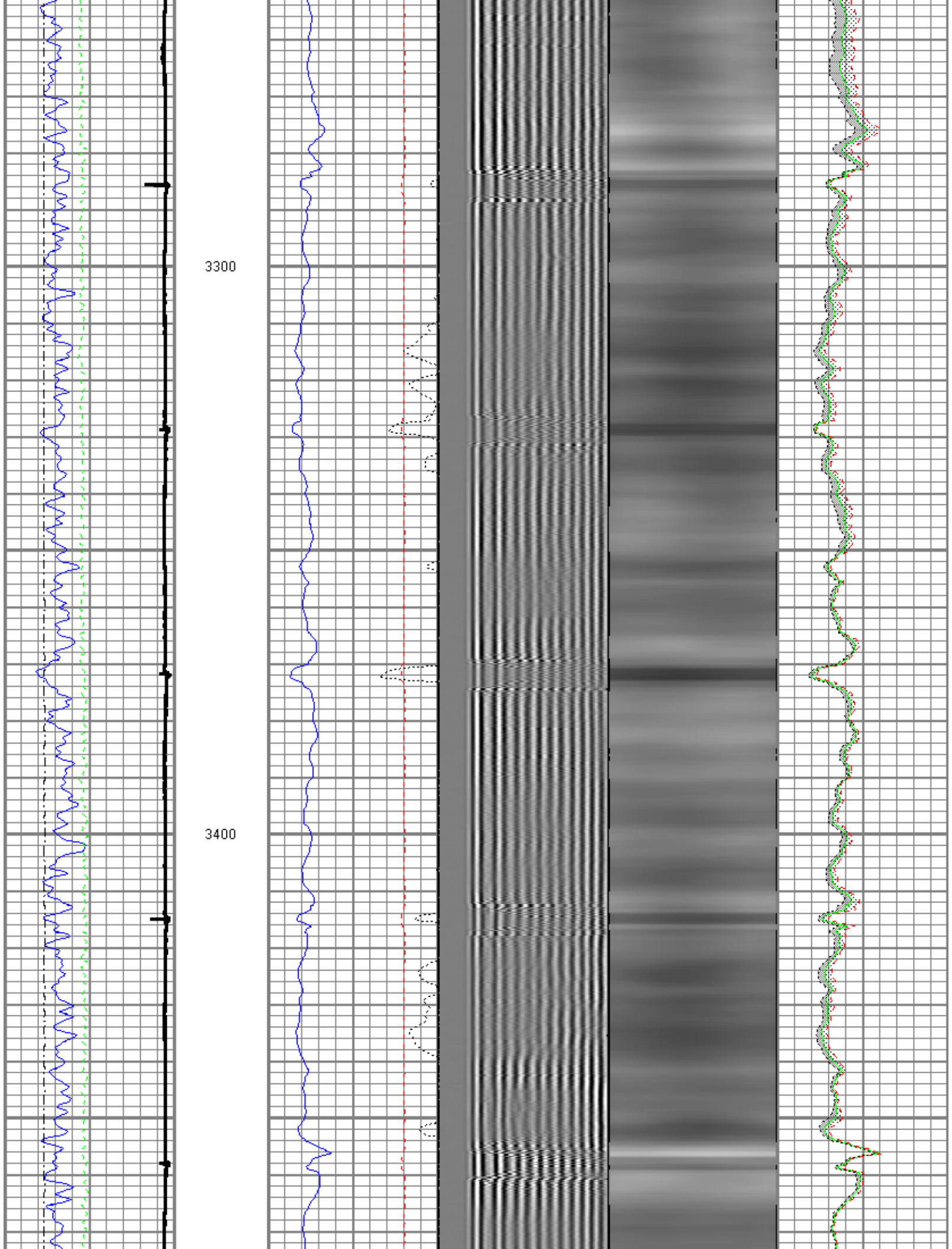
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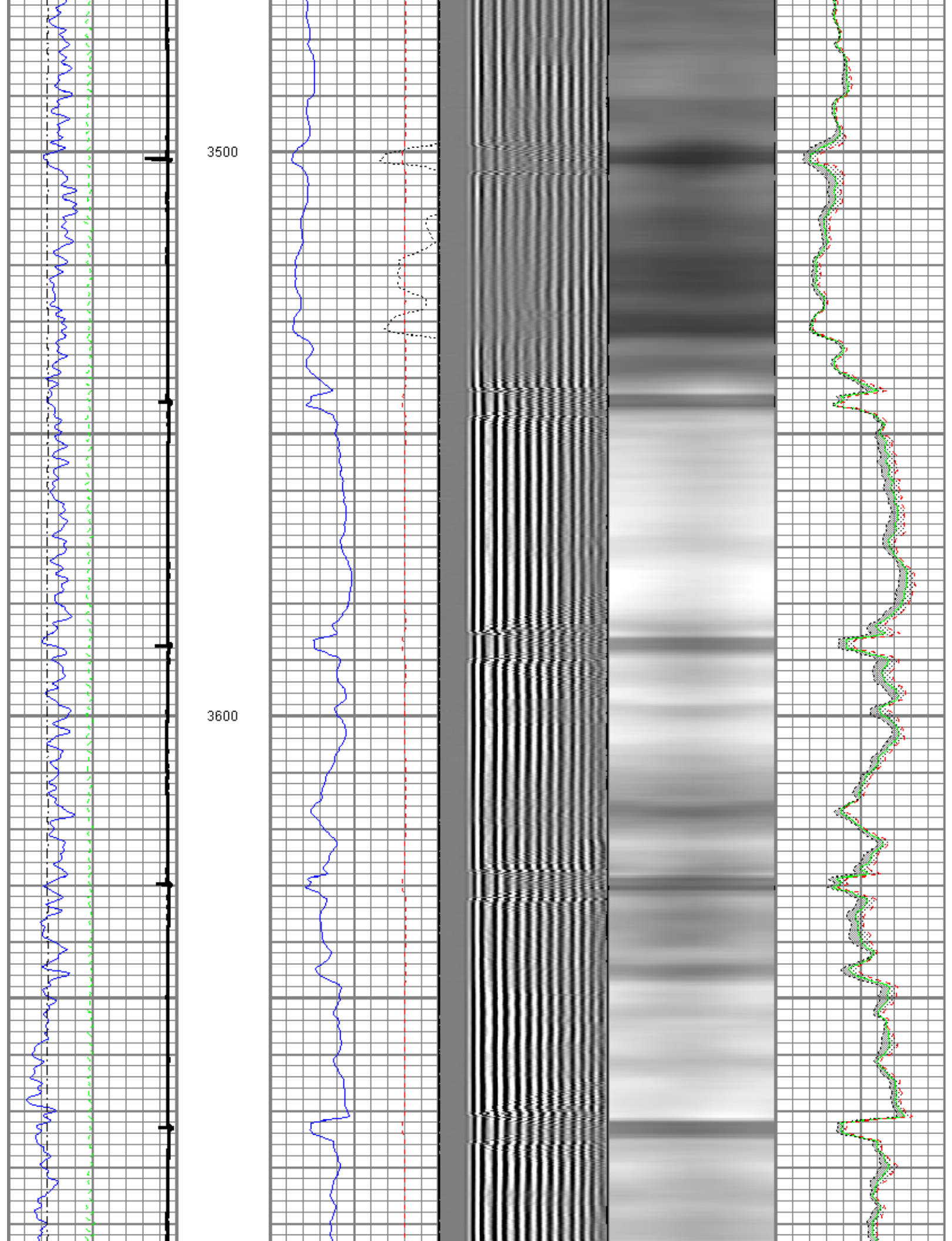
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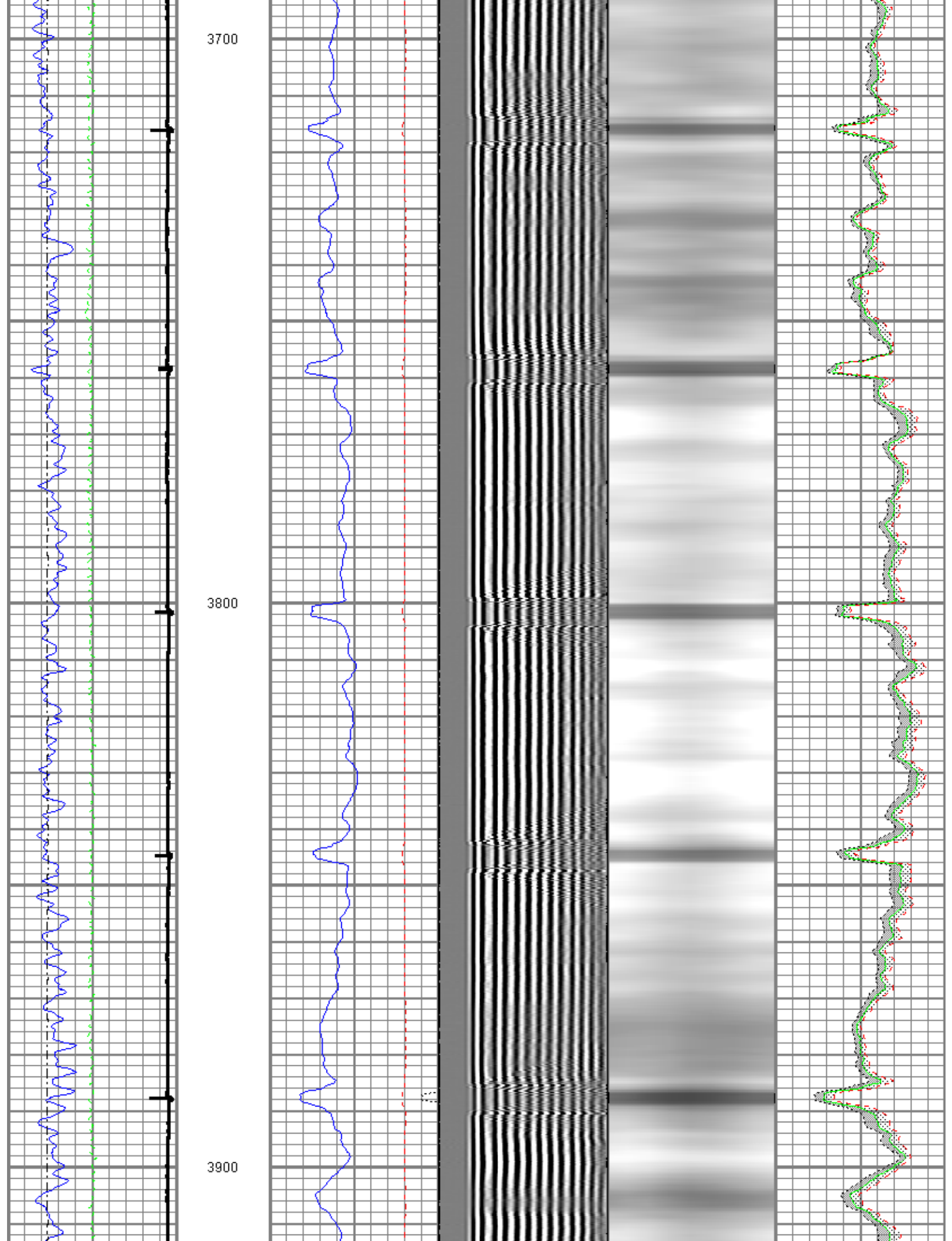


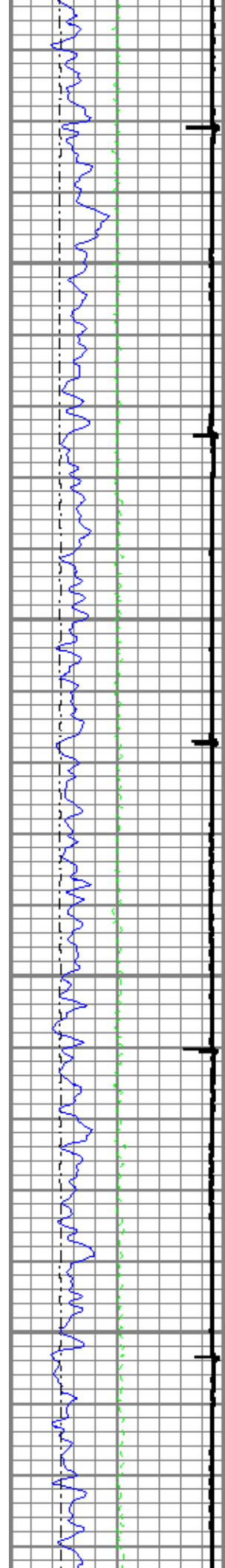
3300

3400



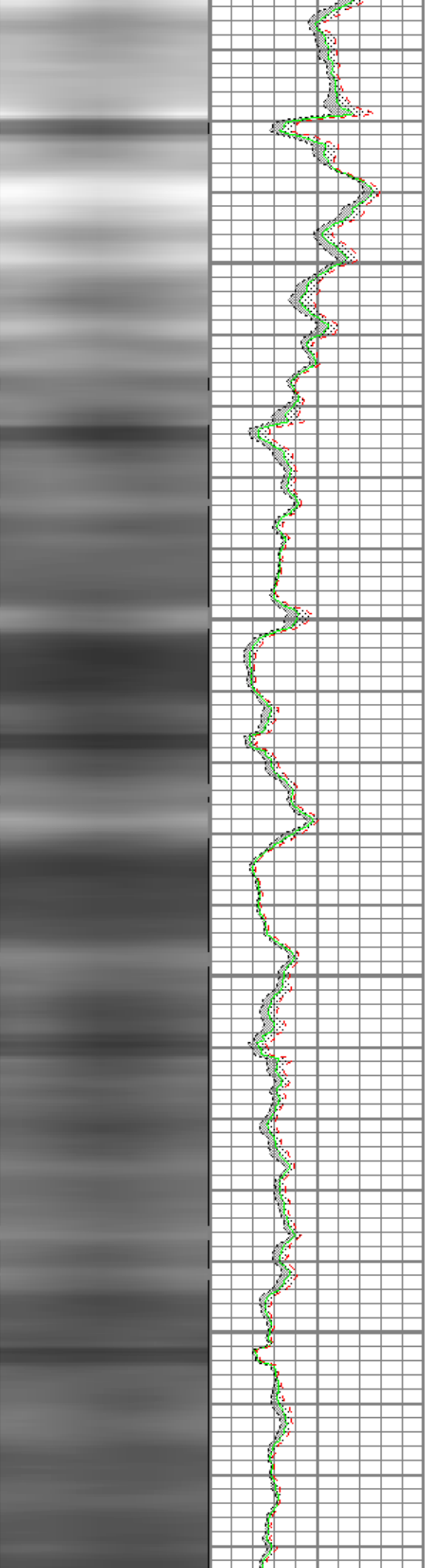
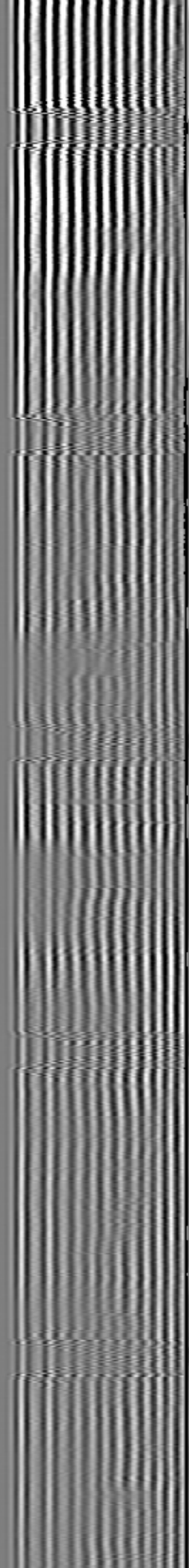
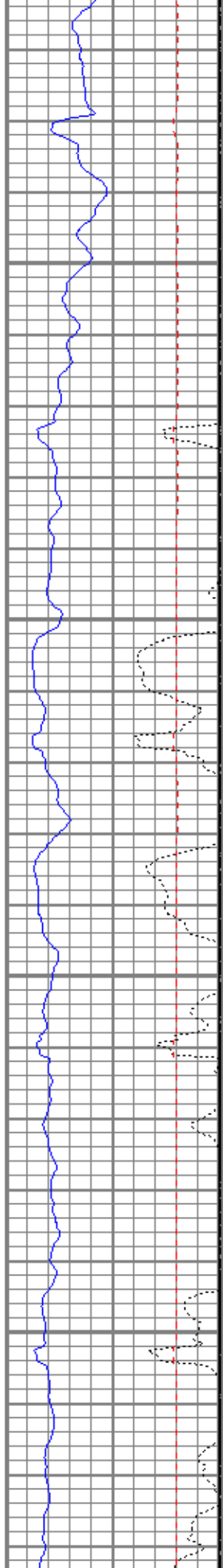


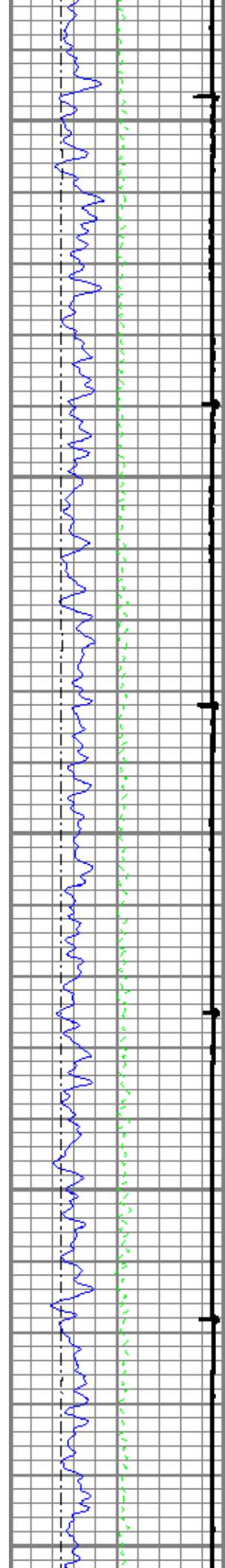




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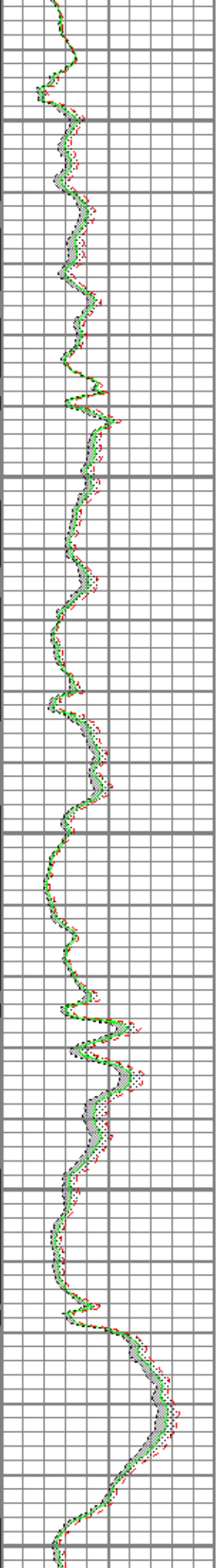
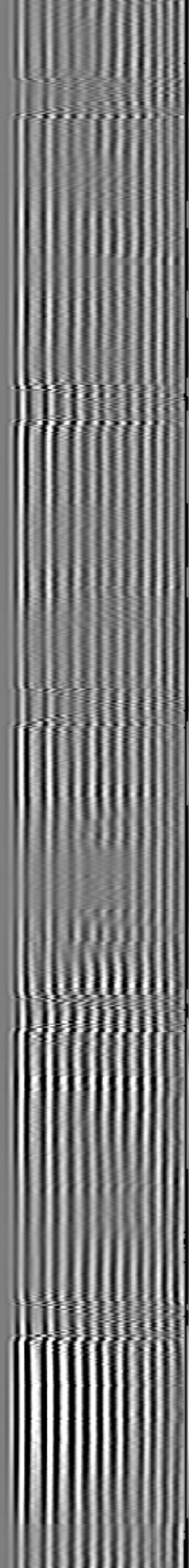
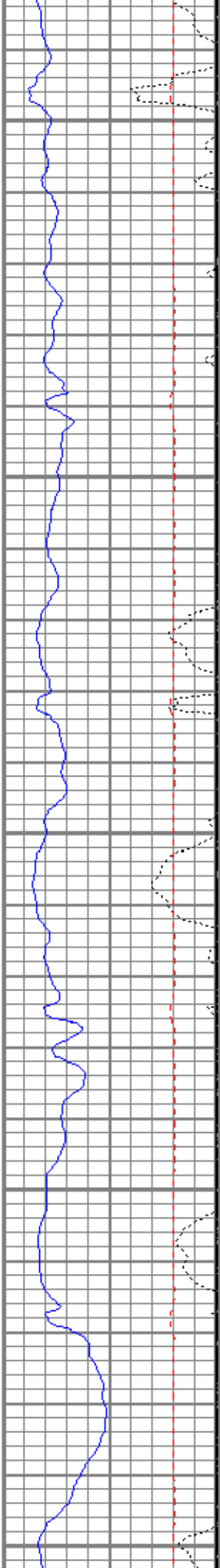
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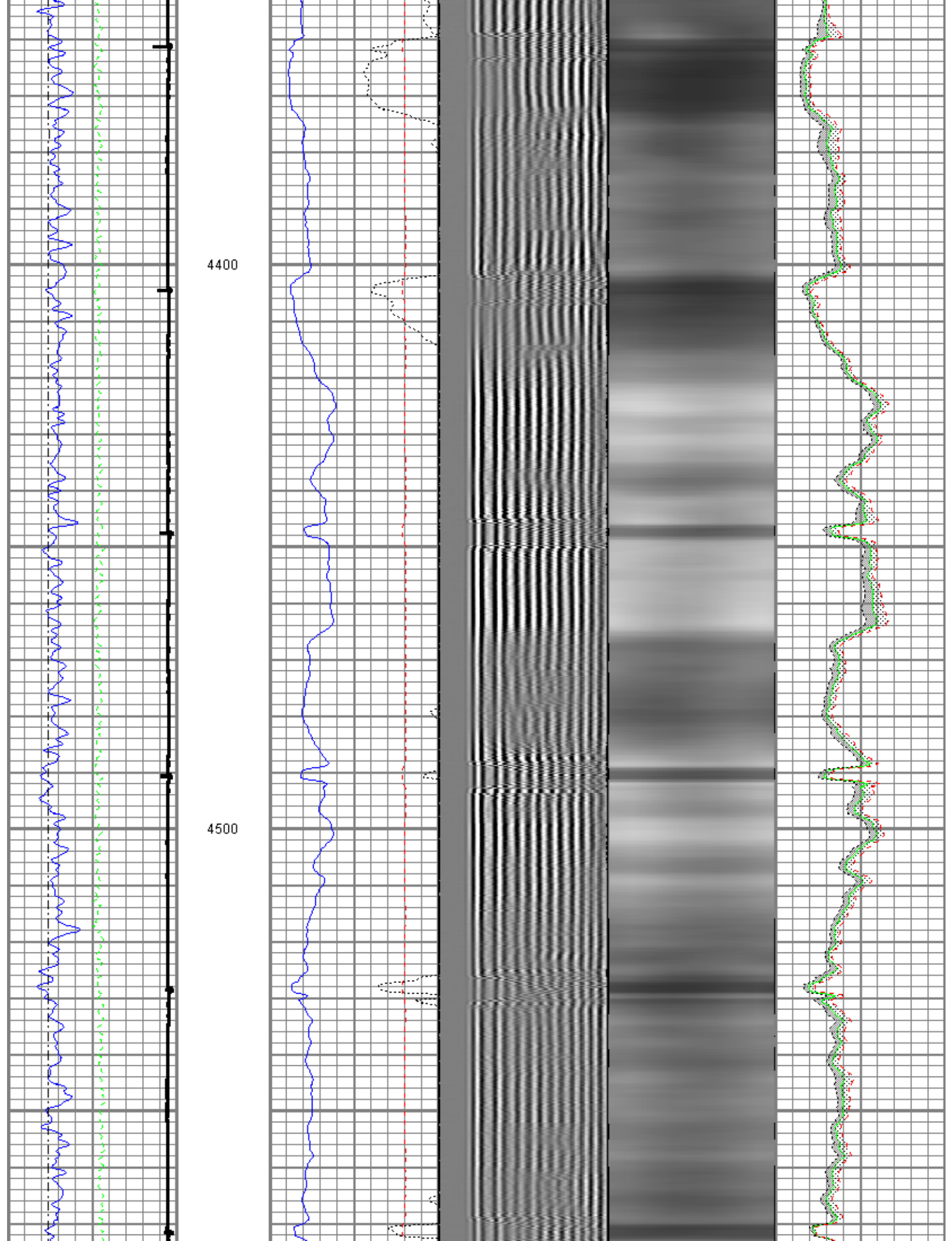




4200

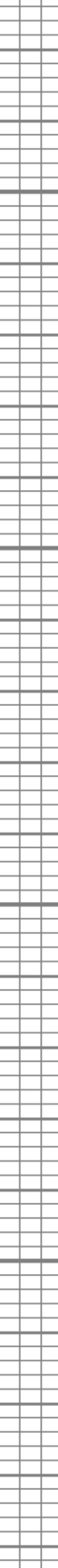
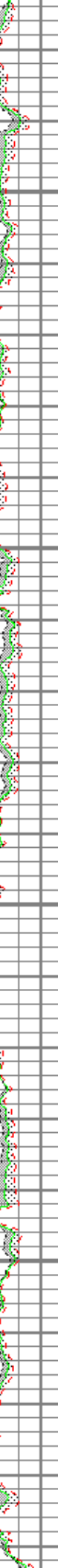
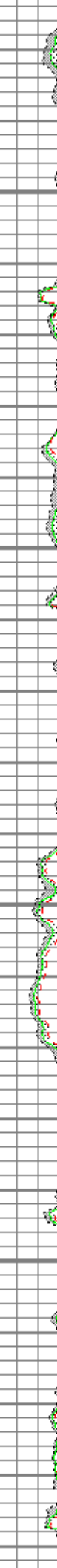
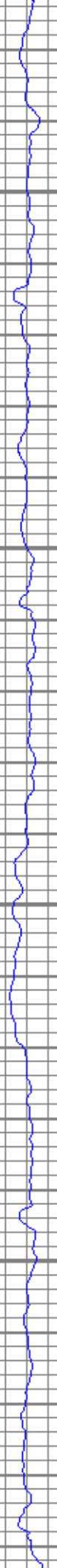
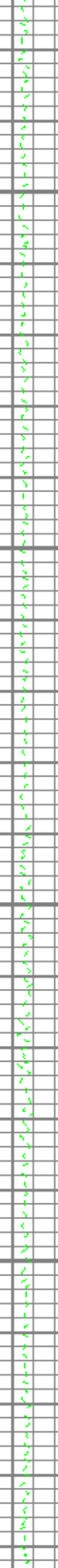
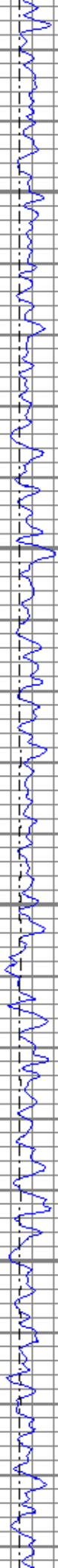
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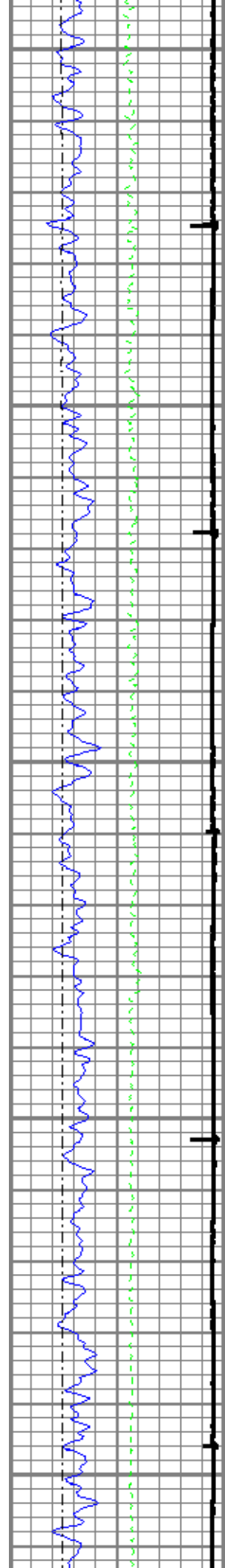




4600

4700

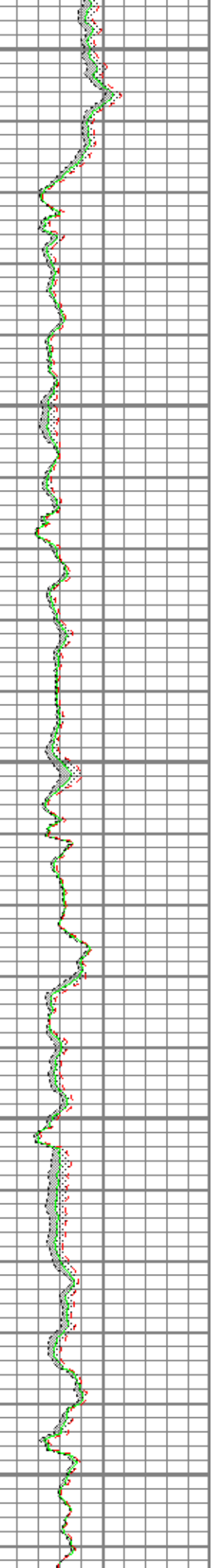
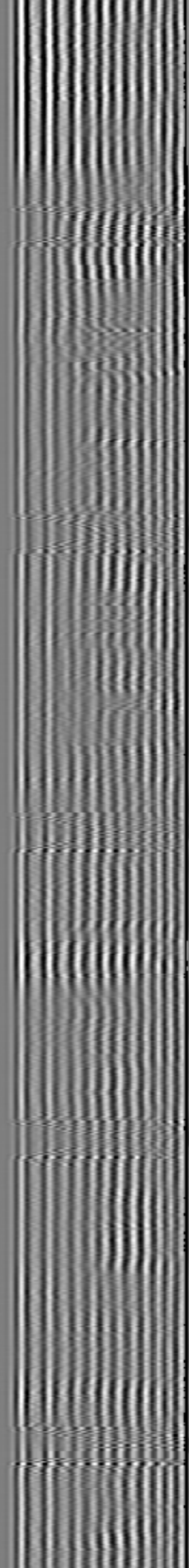
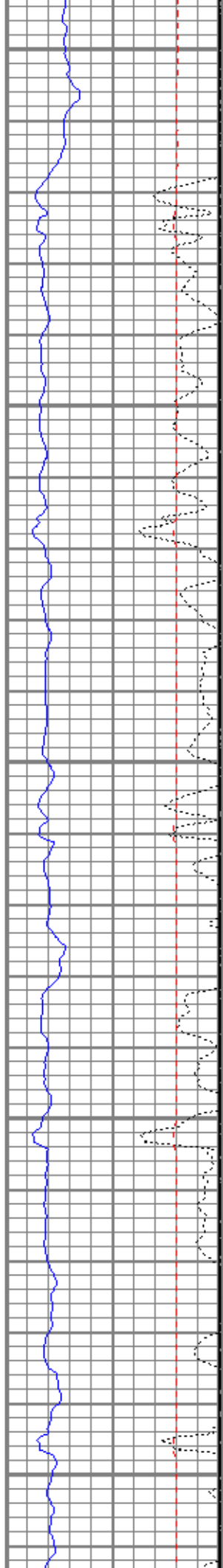




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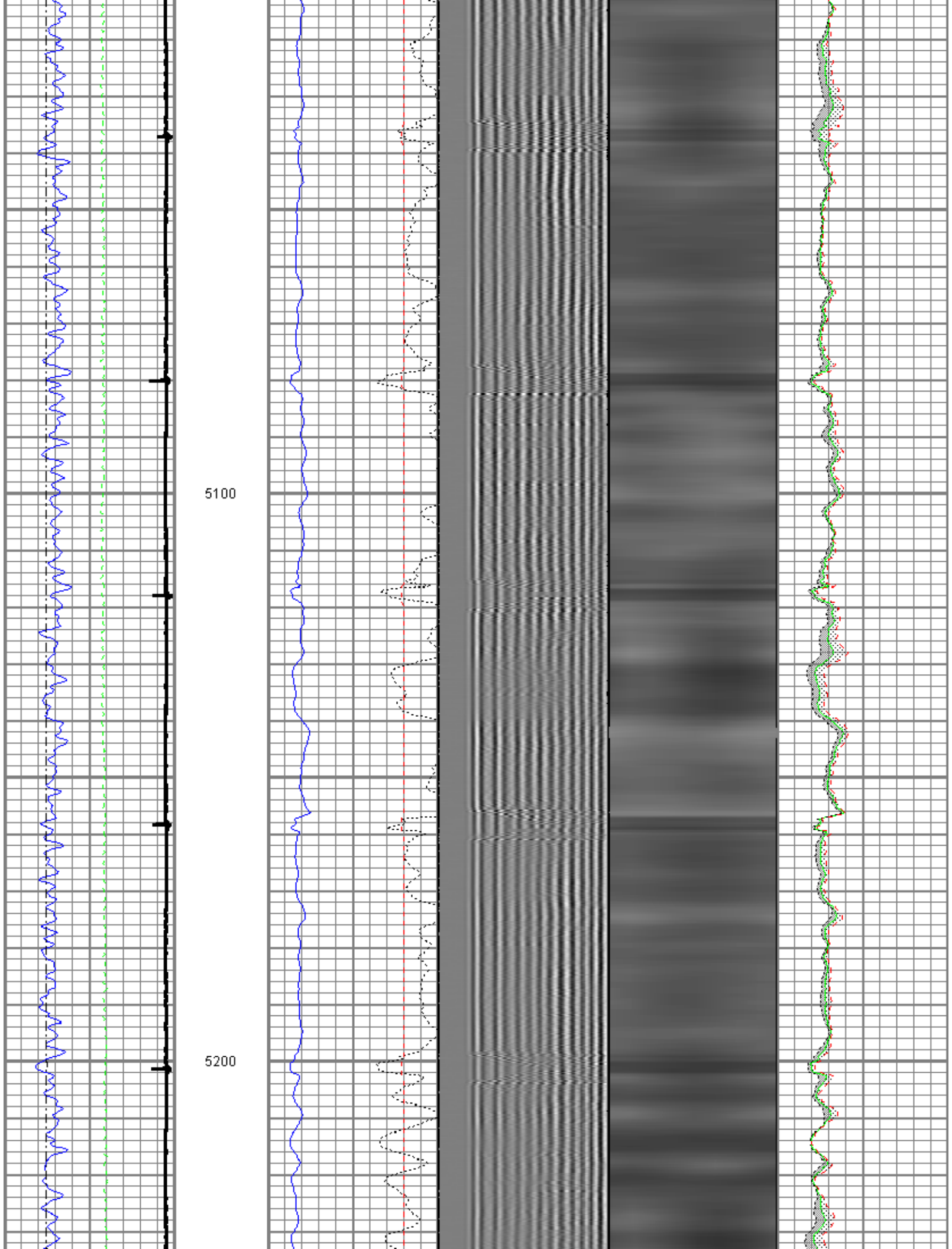
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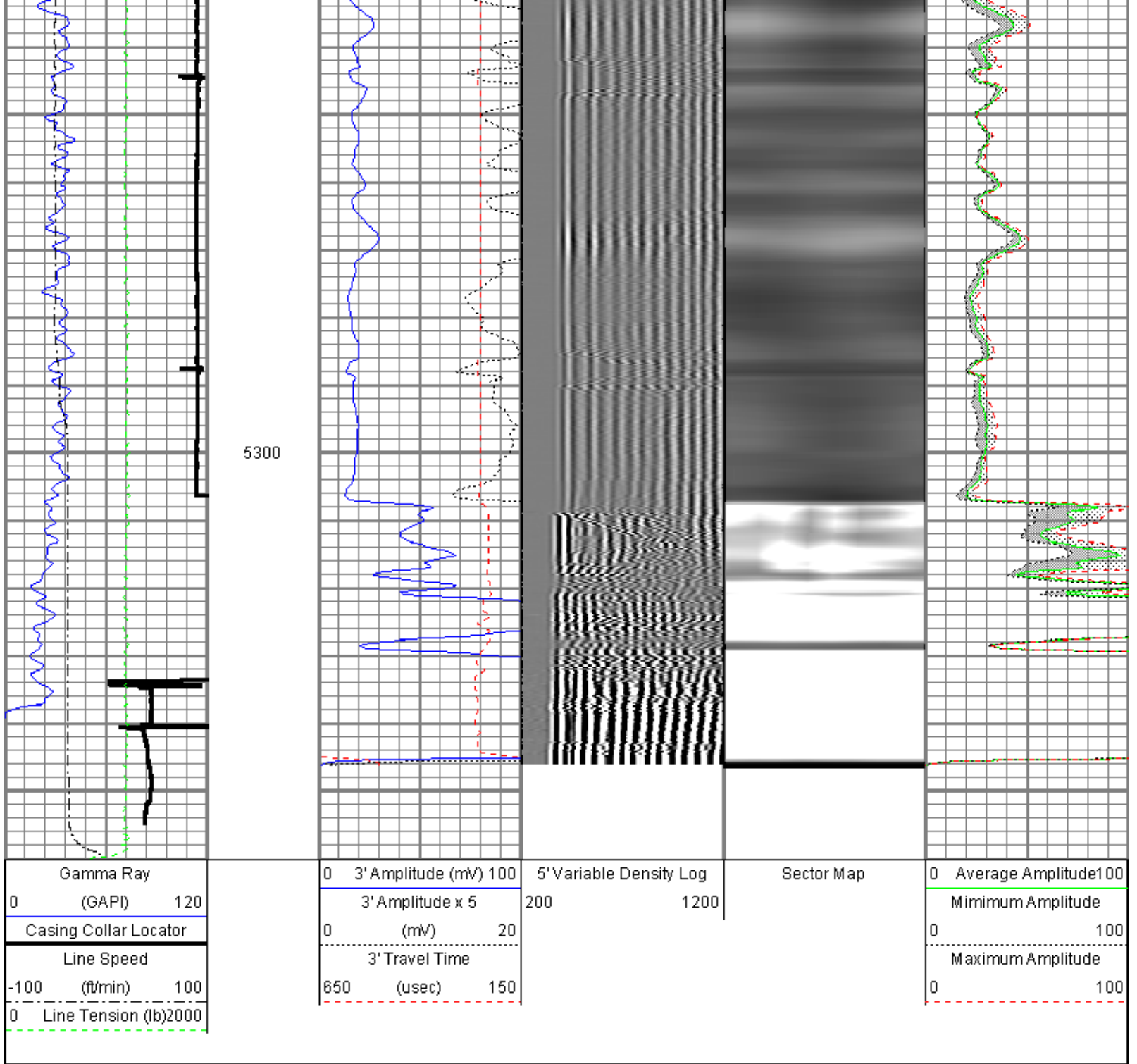
5000



5100

5200

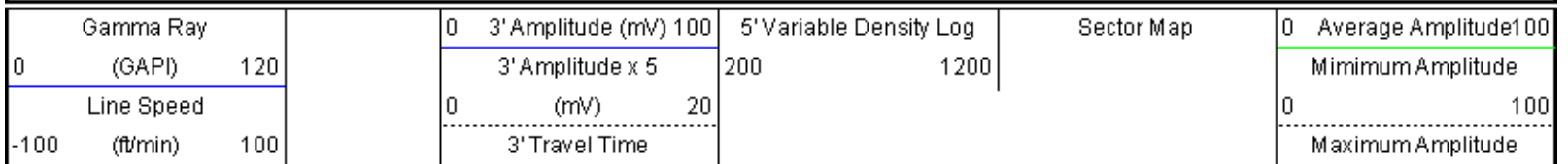




Repeat Section

Recorded with 1500 PSI Surface Induced Pressure.

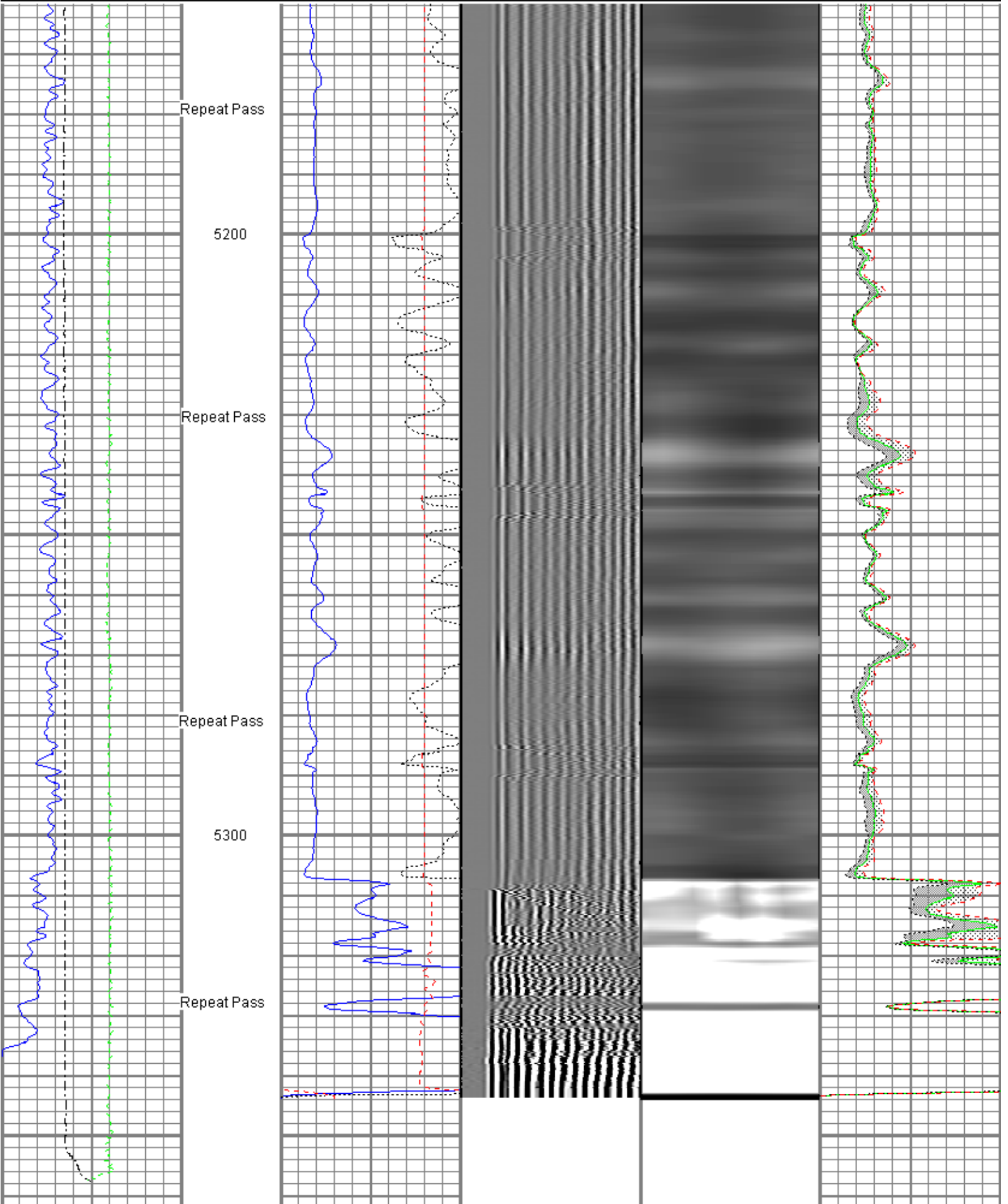
Database File: c:\warrior\data\09-23-14_whiting_wolf 12I-0103_mit_rbl\09-23-14_whiting_wolf 12I-0103_mit_rbl.db
 Dataset Pathname: repeat
 Presentation Format: rbt4_mit
 Dataset Creation: Tue Sep 23 15:46:52 2014 by Log SCH 111116
 Charted by: Depth in Feet scaled 1:240



0 Line Tension (lb)2000

650 (usec) 150

0 100



Gamma Ray (GAPI) 120

0 3' Amplitude (mV) 100
3' Amplitude x 5

5' Variable Density Log 200 1200

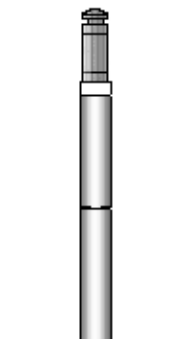
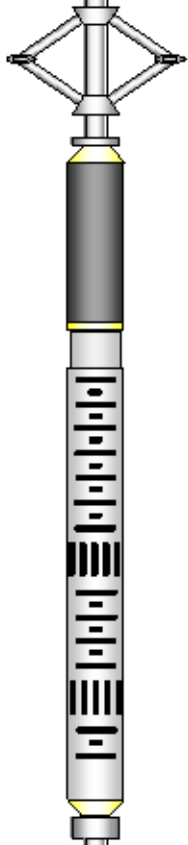
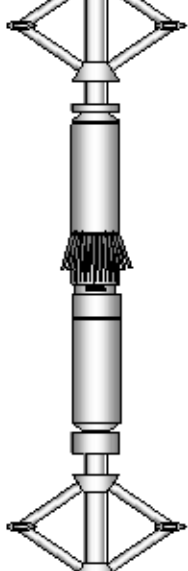
Sector Map


0 Average Amplitude 100
Minimum Amplitude

Line Speed		
-100	(ft/min)	100
0	Line Tension (lb)	2000

3' Travel Time		
0	(msec)	20
650	(usec)	150

Maximum Amplitude	
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 (10010522) 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 #3 -DSSRAC (082) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
WVFS3FT	14.99		UW_RBT-UW_RBT_004 (1063) Sondex Ultrawire 3-1/8" Radial Bond Tool	9.47	3.13	140.00
WVFS1	14.99		UW_PRC-DSSRAC (081) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
WVFS2	14.99					
WVFS3	14.99					
WVFS4	14.99					
WVFS5	14.99					
WVFS6	14.99					
WVFS7	14.99					
WVFS8	14.99					
CBLTEMP	14.99					
CBLROT	14.99					
WVFS5FT	13.99		UW_MIT-UW_MIT40_042 (10014703) 40 Multifinger Imaging Tool	4.54	2.75	61.10
MIT	4.97		UW_PRC-DSSRAC (080) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
			UW_BUL-UW_BUL_006 (218707)	0.22	1.69	1.20

TSTAMP	0.00		Sondex Ultrawire Bullnose Terminator
Dataset: 09-23-14_Whiting_Wolf 12L-0103_MIT_RBL.db: field/well/run1/main Total Length: 26.62 ft Total Weight: 319.30 lb O.D.: 3.13 in			

Calibration Report

Database File: C:\Warrior\Data\09-23-14_Whiting_Wolf 12L-0103_MIT_RBL\09-23-14_Whiting_Wolf 12L-0103_MIT_RBL.db
 Dataset Pathname: postcal
 Dataset Creation: Wed Sep 24 07:27:38 2014 by Log SCH 111116

Multi-finger Imaging Tool Calibration Report

Serial Number: 10014703
 Number of Fingers: 40
 Tool Model: UW_MIT40_042

Inclinometer Calibration Report

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	

Finger Calibration Report

Performed: Tue Sep 23 14:43:50 2014

Ring size: (in)	4	Sens	5	Sens	6	Sens	7
Finger 01:	1124	361.0	1485	375.0	1860	399.0	2259
Finger 02:	1149	381.0	1530	395.0	1925	420.0	2345
Finger 03:	1073	361.0	1434	381.0	1815	412.0	2227
Finger 04:	1033	370.0	1403	402.0	1805	434.0	2239
Finger 05:	1073	355.0	1428	375.0	1803	400.0	2203
Finger 06:	1069	369.0	1438	392.0	1830	416.0	2246
Finger 07:	1078	359.0	1437	383.0	1820	405.0	2225
Finger 08:	1039	364.0	1403	400.0	1803	427.0	2230
Finger 09:	1108	365.0	1473	388.0	1861	399.0	2260
Finger 10:	1147	360.0	1507	387.0	1894	398.0	2292
Finger 11:	1119	361.0	1480	398.0	1878	413.0	2291
Finger 12:	1226	352.0	1578	371.0	1949	370.0	2319
Finger 13:	1139	353.0	1492	395.0	1887	407.0	2294
Finger 14:	1061	357.0	1418	407.0	1825	422.0	2247
Finger 15:	1051	355.0	1406	411.0	1817	426.0	2243
Finger 16:	1135	352.0	1487	400.0	1887	413.0	2300
Finger 17:	1107	339.0	1446	388.0	1834	396.0	2230
Finger 18:	1140	337.0	1477	385.0	1862	395.0	2257
Finger 19:	1096	346.0	1442	399.0	1841	409.0	2250
Finger 20:	1021	343.0	1364	406.0	1770	419.0	2189
Finger 21:	1098	330.0	1428	387.0	1815	403.0	2218
Finger 22:	1112	342.0	1454	396.0	1850	410.0	2260
Finger 23:	1166	315.0	1481	365.0	1846	378.0	2224
Finger 24:	1106	348.0	1454	404.0	1858	410.0	2268
Finger 25:	1088	335.0	1423	392.0	1815	413.0	2228
Finger 26:	1121	337.0	1458	385.0	1843	398.0	2241
Finger 27:	1160	334.0	1494	379.0	1873	400.0	2273
Finger 28:	1127	353.0	1480	392.0	1872	411.0	2283
Finger 29:	1155	356.0	1511	400.0	1911	422.0	2333
Finger 30:	1089	347.0	1436	396.0	1832	421.0	2253
Finger 31:	1142	349.0	1491	383.0	1874	401.0	2275
Finger 32:	1129	363.0	1492	397.0	1889	421.0	2310
Finger 33:	1063	353.0	1416	389.0	1805	422.0	2227
Finger 34:	1064	357.0	1421	396.0	1817	425.0	2242

Finger 34:	1084	353.0	1421	358.0	1811	423.0	2242
Finger 35:	1118	349.0	1467	374.0	1841	399.0	2240
Finger 36:	1086	365.0	1451	392.0	1843	423.0	2266
Finger 37:	1153	355.0	1508	372.0	1880	401.0	2281
Finger 38:	1171	357.0	1528	368.0	1896	396.0	2292
Finger 39:	1133	371.0	1504	384.0	1888	414.0	2302
Finger 40:	1029	378.0	1407	405.0	1812	439.0	2251

Post Survey Calibration Check

Performed:

Wed Sep 24 07:27:11 2014

Ring size: (in)	4	Nom. wear	5	Nom. wear	6	Nom. wear	7	Nom. wear
Finger 01:	3.999	-0.001	5.004	0.002	6.006	0.003	7.005	0.002
Finger 02:	4.004	0.002	5.004	0.002	6.007	0.004	7.007	0.004
Finger 03:	4.000	-0.000	5.002	0.001	6.006	0.003	7.008	0.004
Finger 04:	4.003	0.002	5.003	0.002	6.004	0.002	7.008	0.004
Finger 05:	4.002	0.001	5.000	-0.000	6.006	0.003	7.004	0.002
Finger 06:	3.997	-0.002	5.005	0.002	6.006	0.003	7.008	0.004
Finger 07:	4.000	0.000	5.000	0.000	6.006	0.003	7.007	0.003
Finger 08:	3.998	-0.001	5.001	0.000	6.007	0.004	7.004	0.002
Finger 09:	4.002	0.001	5.002	0.001	6.004	0.002	7.007	0.004
Finger 10:	4.006	0.003	5.009	0.004	6.009	0.004	7.014	0.007
Finger 11:	4.001	0.000	5.003	0.001	6.004	0.002	7.003	0.002
Finger 12:	4.001	0.001	5.003	0.002	6.005	0.002	7.008	0.004
Finger 13:	4.002	0.001	4.999	-0.000	6.002	0.001	7.004	0.002
Finger 14:	3.997	-0.002	5.003	0.002	6.005	0.002	7.006	0.003
Finger 15:	4.000	-0.000	5.004	0.002	6.004	0.002	7.005	0.003
Finger 16:	4.000	-0.000	5.000	-0.000	6.004	0.002	7.004	0.002
Finger 17:	4.002	0.001	5.006	0.003	6.008	0.004	7.010	0.005
Finger 18:	3.999	-0.000	5.005	0.002	6.009	0.005	7.009	0.005
Finger 19:	3.999	-0.000	5.001	0.000	6.005	0.002	7.005	0.002
Finger 20:	4.005	0.002	5.004	0.002	6.003	0.002	7.009	0.004
Finger 21:	3.998	-0.001	5.003	0.002	6.009	0.004	7.012	0.006
Finger 22:	4.004	0.002	5.006	0.003	6.008	0.004	7.009	0.004
Finger 23:	4.006	0.003	5.006	0.003	6.007	0.004	7.006	0.003
Finger 24:	3.999	-0.000	5.004	0.002	6.005	0.003	7.007	0.003
Finger 25:	3.998	-0.001	4.999	-0.001	6.003	0.001	7.005	0.002
Finger 26:	4.000	0.000	5.001	0.001	6.008	0.004	7.009	0.004
Finger 27:	4.009	0.004	5.005	0.003	6.009	0.005	7.009	0.004
Finger 28:	4.002	0.001	5.000	0.000	6.004	0.002	7.004	0.002
Finger 29:	3.998	-0.001	5.000	-0.000	6.002	0.001	7.001	0.001
Finger 30:	3.997	-0.001	5.006	0.003	6.006	0.003	7.009	0.005
Finger 31:	4.002	0.001	5.007	0.003	6.007	0.003	7.005	0.003
Finger 32:	4.007	0.003	4.998	-0.001	6.004	0.002	7.001	0.001
Finger 33:	3.993	-0.004	4.999	-0.001	6.002	0.001	7.009	0.004
Finger 34:	3.998	-0.001	5.005	0.002	6.005	0.002	7.009	0.004
Finger 35:	4.001	0.000	5.007	0.004	6.005	0.002	7.012	0.006
Finger 36:	4.000	0.000	5.003	0.002	6.005	0.003	7.007	0.003
Finger 37:	4.000	0.000	5.004	0.002	6.007	0.004	7.005	0.003
Finger 38:	3.995	-0.003	5.000	0.000	6.006	0.003	7.006	0.003
Finger 39:	4.014	0.007	5.004	0.002	6.008	0.004	7.013	0.006
Finger 40:	4.001	0.000	5.006	0.003	6.007	0.003	7.007	0.004
Average:	4.001	0.000	5.003	0.001	6.006	0.003	7.007	0.003

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

Company Whiting Oil & Gas Corporation

Well Well 12L 0102



Well	Well 12L-0100
Field	Wildcat
County	Weld
State	Colorado