



Radial Cement Bond  
Gamma Ray  
Casing Collar Log

Company		Kerr-McGee Oil and Gas Onshore LP	
Well		Gee 26C-12HZ	
Field		Wattenberg	
County		Weld	
State		Colorado	
Company		Kerr-McGee Oil and Gas Onshore LP	
Well		Gee 26C-12HZ	
Field		Wattenberg	
County		Weld	
State		Colorado	
Location:		API #: 05-123-39234	
Permanent Datum		SEC 24 TWP 2N RGE 67W	
Log Measured From		Ground Level Kelly Bushing	
Drilling Measured From		Kelly Bushing	
Elevation		4858'	
Other Services		Gauge Ring RBP MIT	
K.B. 4883'		D.F. 4882'	
G.L. 4858'			
Date		09-Jan-2015	
Run Number		Three	
Depth Driller		18057 FT	
Depth Logger		6736 FT	
Bottom Logged Interval		6731 FT	
Top Log Interval		Surface	
Open Hole Size		8.75	
Type Fluid		Water	
Density / Viscosity		8.34 lbm/gal	
Max. Recorded Temp.		211° F	
Estimated Cement Top		Surface	
Time Well Ready		ROA	
Time Logger on Bottom		13:00	
Equipment Number		HD-0255	
Location		Ft. Lupton, CO	
Recorded By		J. Raby	
Witnessed By		Sonny Segura	
Borehole Record		Tubing Record	
Run Number		Bit	
From		To	
Size		Weight	
From		To	
Casing Record		Size (in)	
Surface Casing		Wgt (lbs/ft)	
Intermediate #1		Grade	
Intermediate #2		Top	
Liner		Bottom	
4.5		11.6	
P-110 LT&C/DOX		6694 FT	
18047 FT			

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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 reference to Kelly Bushing.  
Log ran from just below liner top to surface.  
Log ran with 2800 PSI surface induced pressure.  
Adjusted -24 FT to adjust to KB.  
Logging Tools were clean.

Thank you for Choosing FMC Technologies Completion Services, Inc.!!

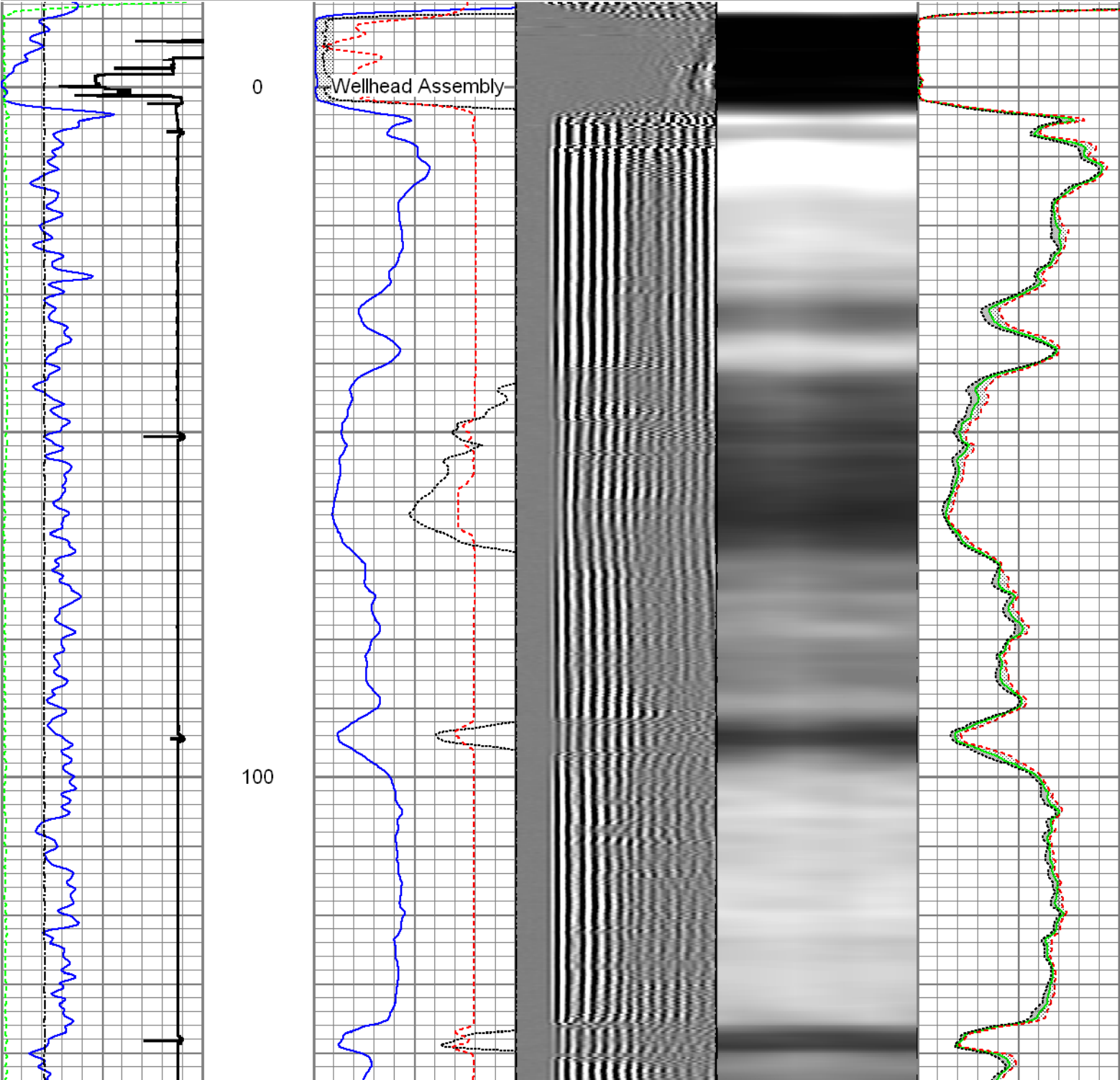


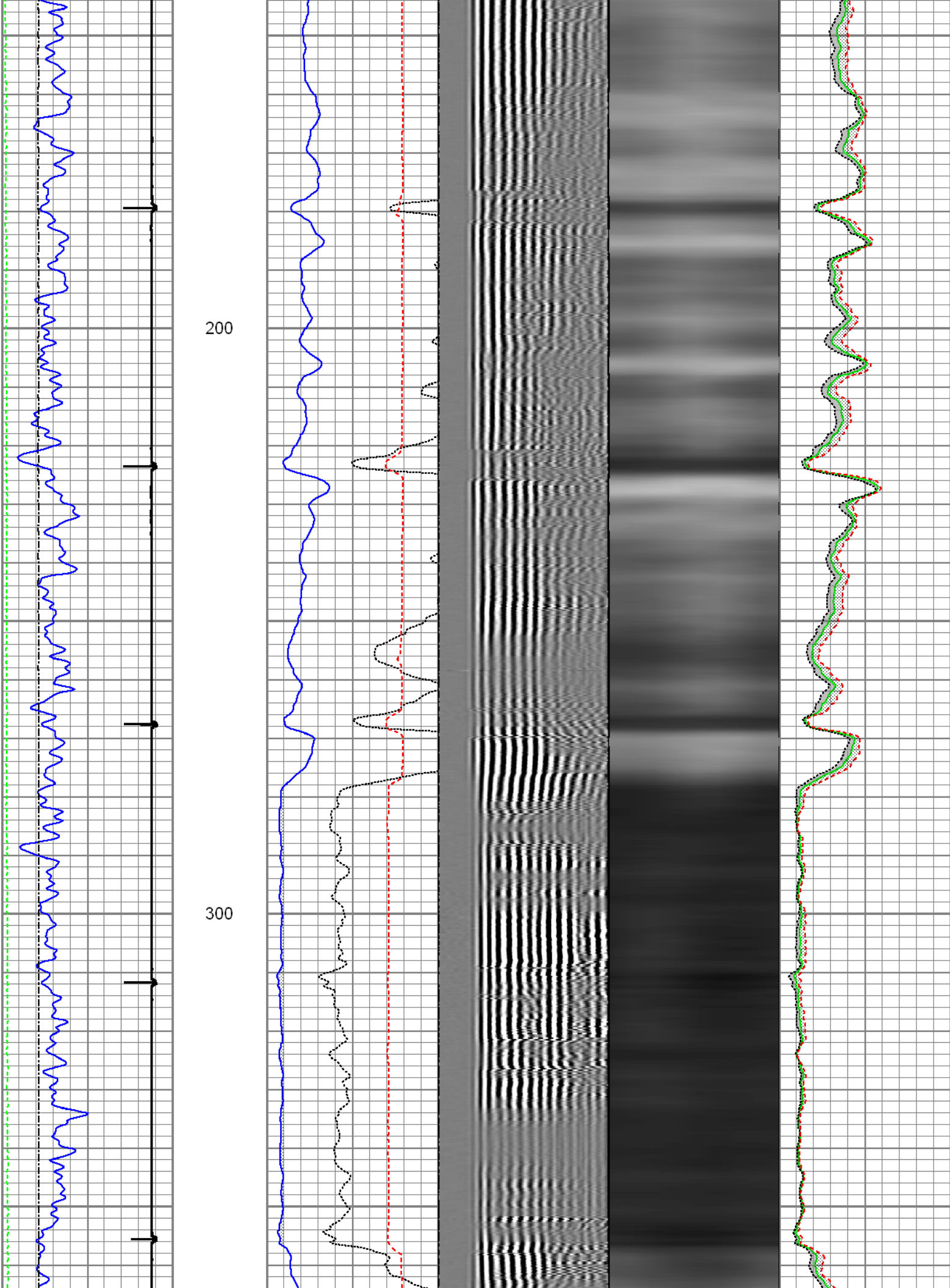
Main Pass

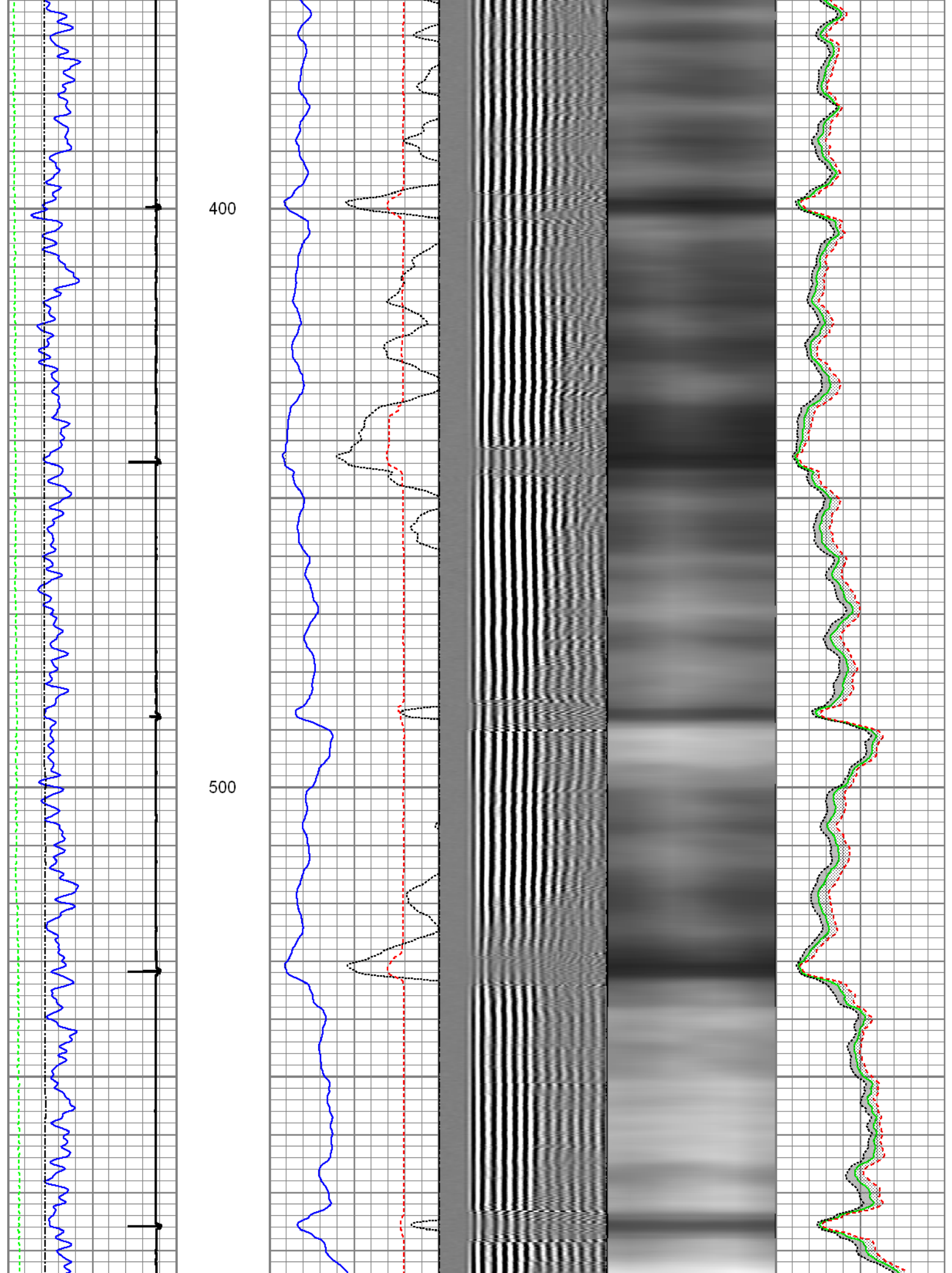
Recorded with 2800 PSI surface induced pressure.

Database File: 0512339234\_anadarko\_gee 26c-12hz\_01-09-15\_mit\_rbl.db  
Dataset Pathname: pass3  
Presentation Format: rbt4\_mit  
Dataset Creation: Fri Jan 09 13:19:48 2015 by Log 7.0 B1  
Charted by: Depth in Feet scaled 1:240

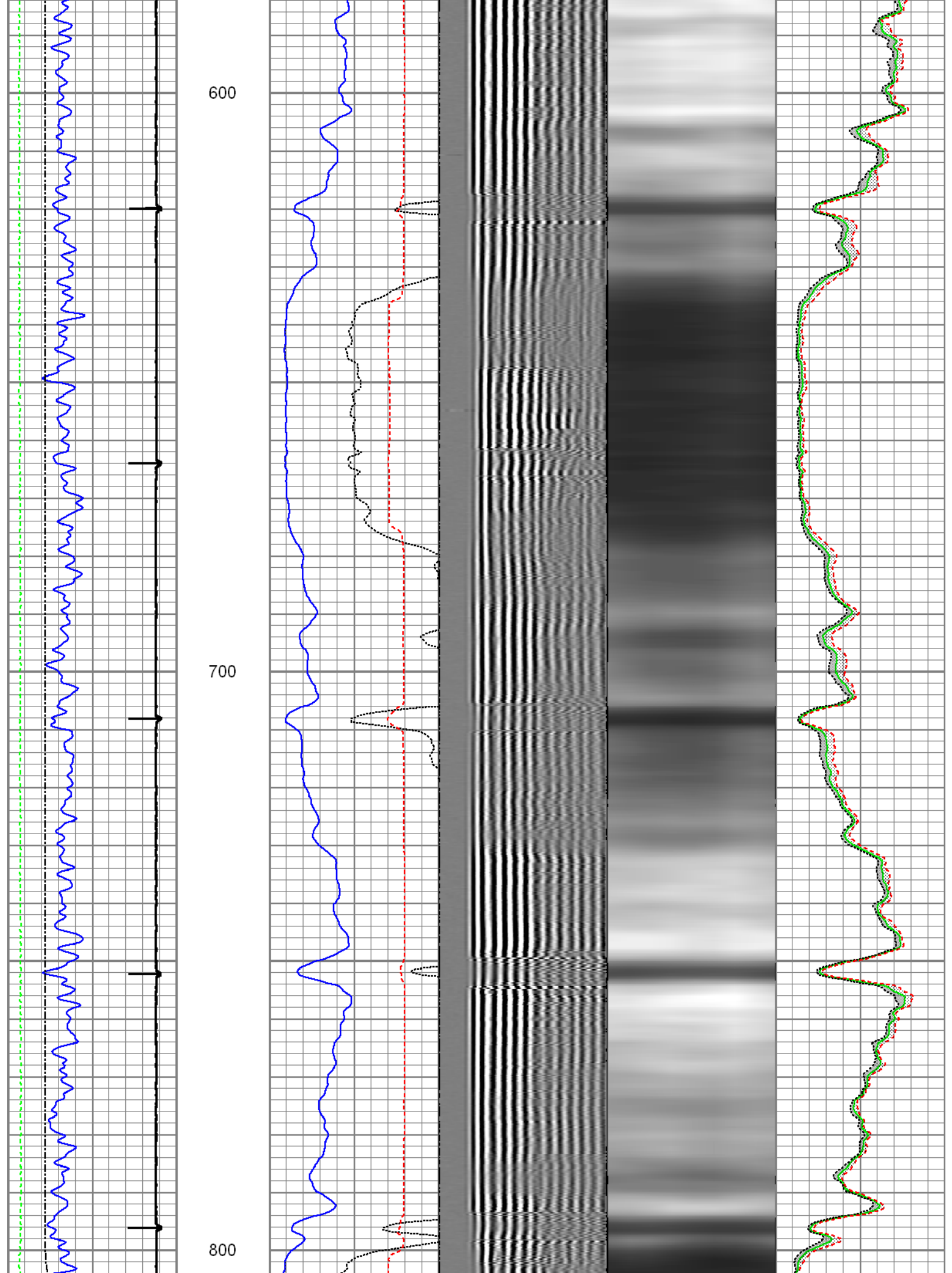
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Mimimum Amplitude
Line Speed	0 (mV) 20			0 100
-100 (ft/min) 100	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000				

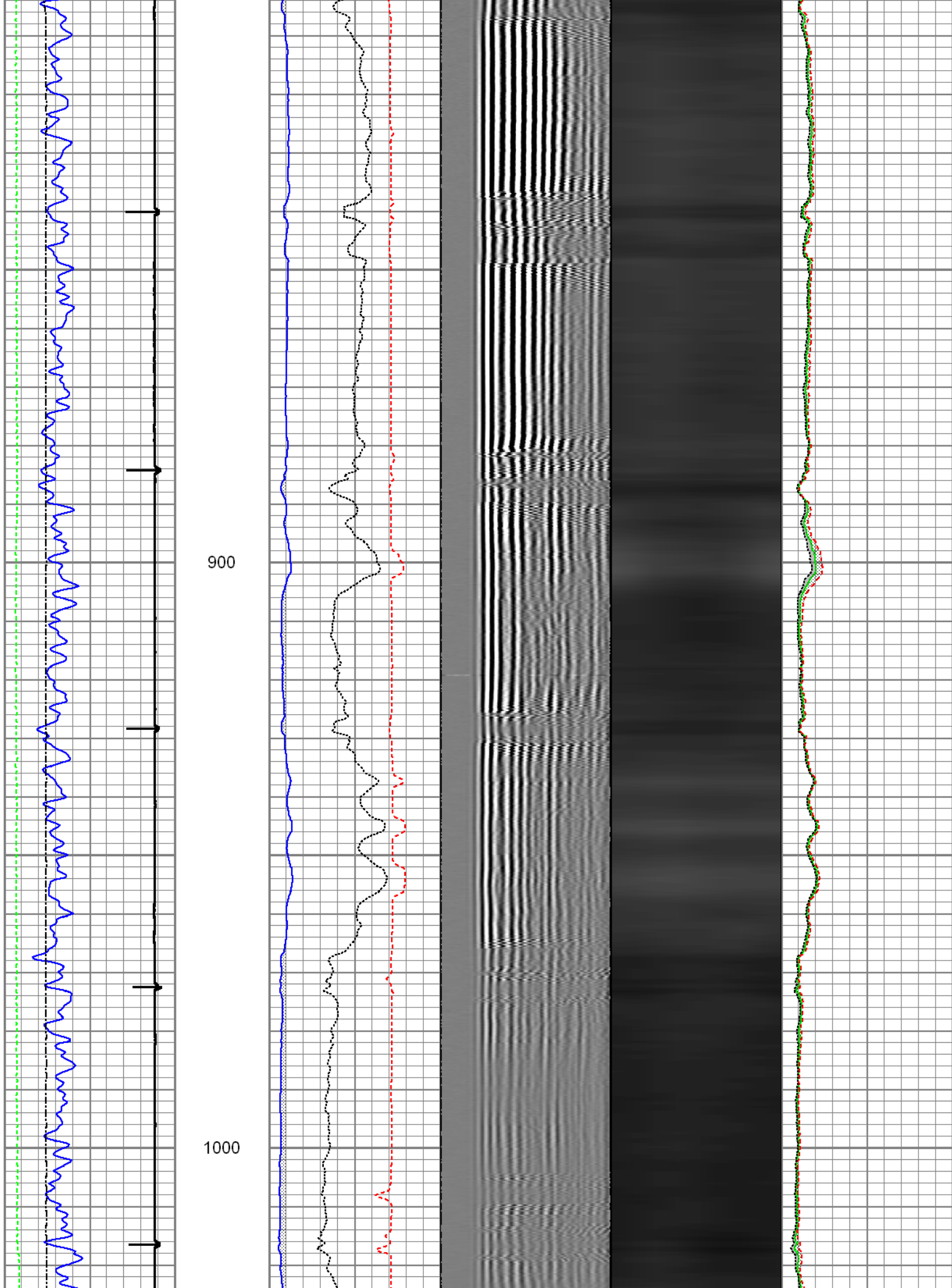


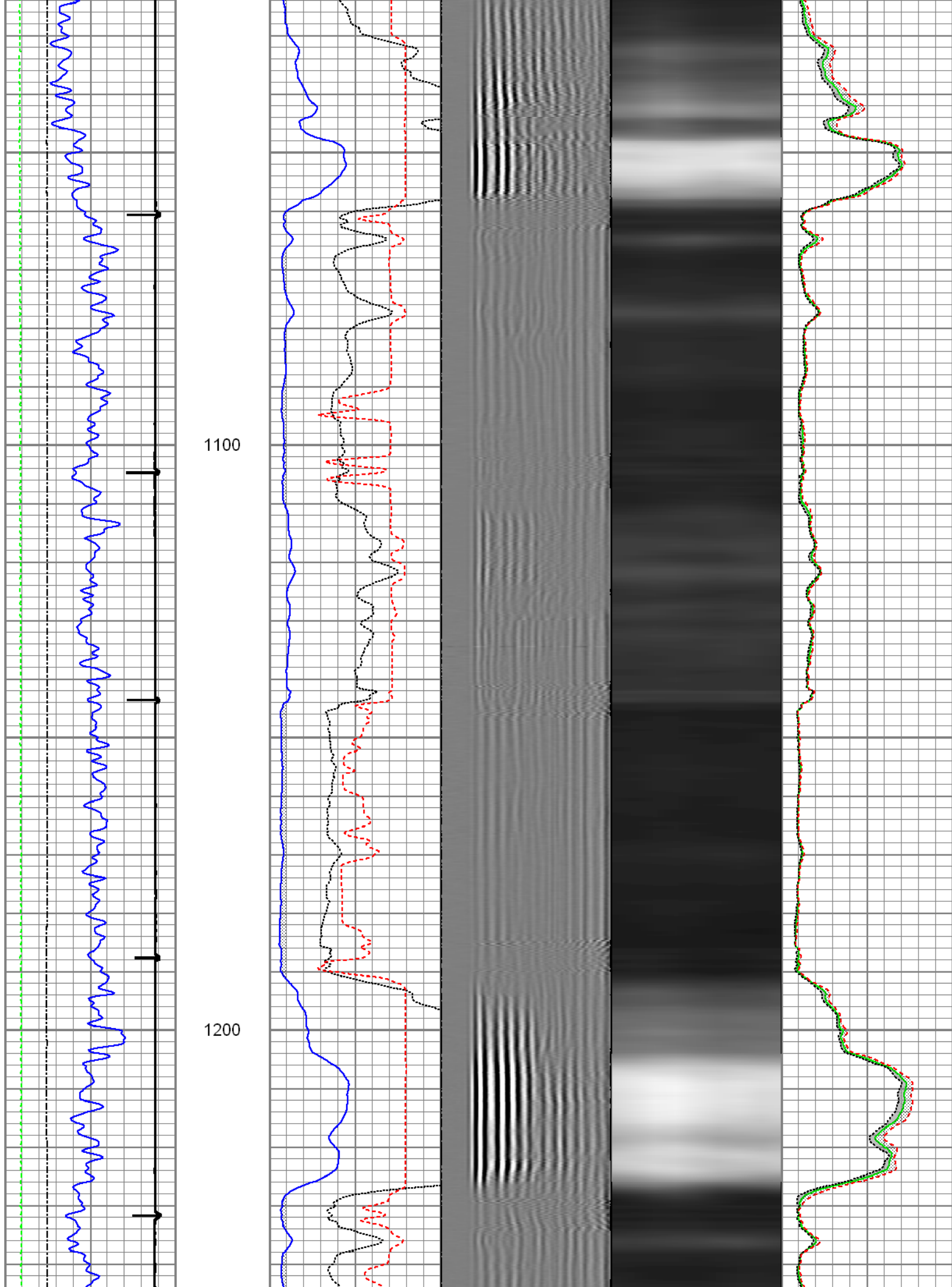


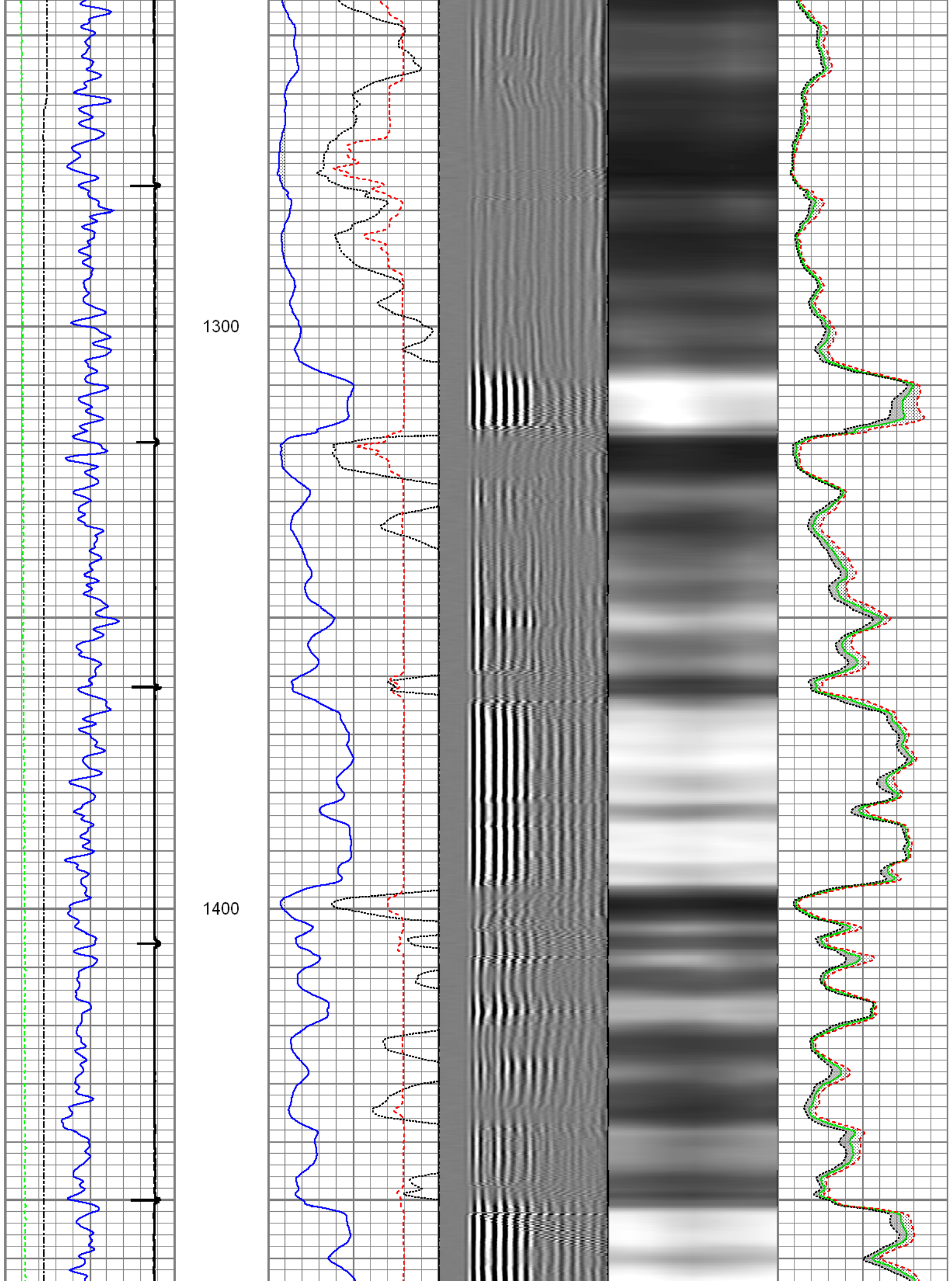




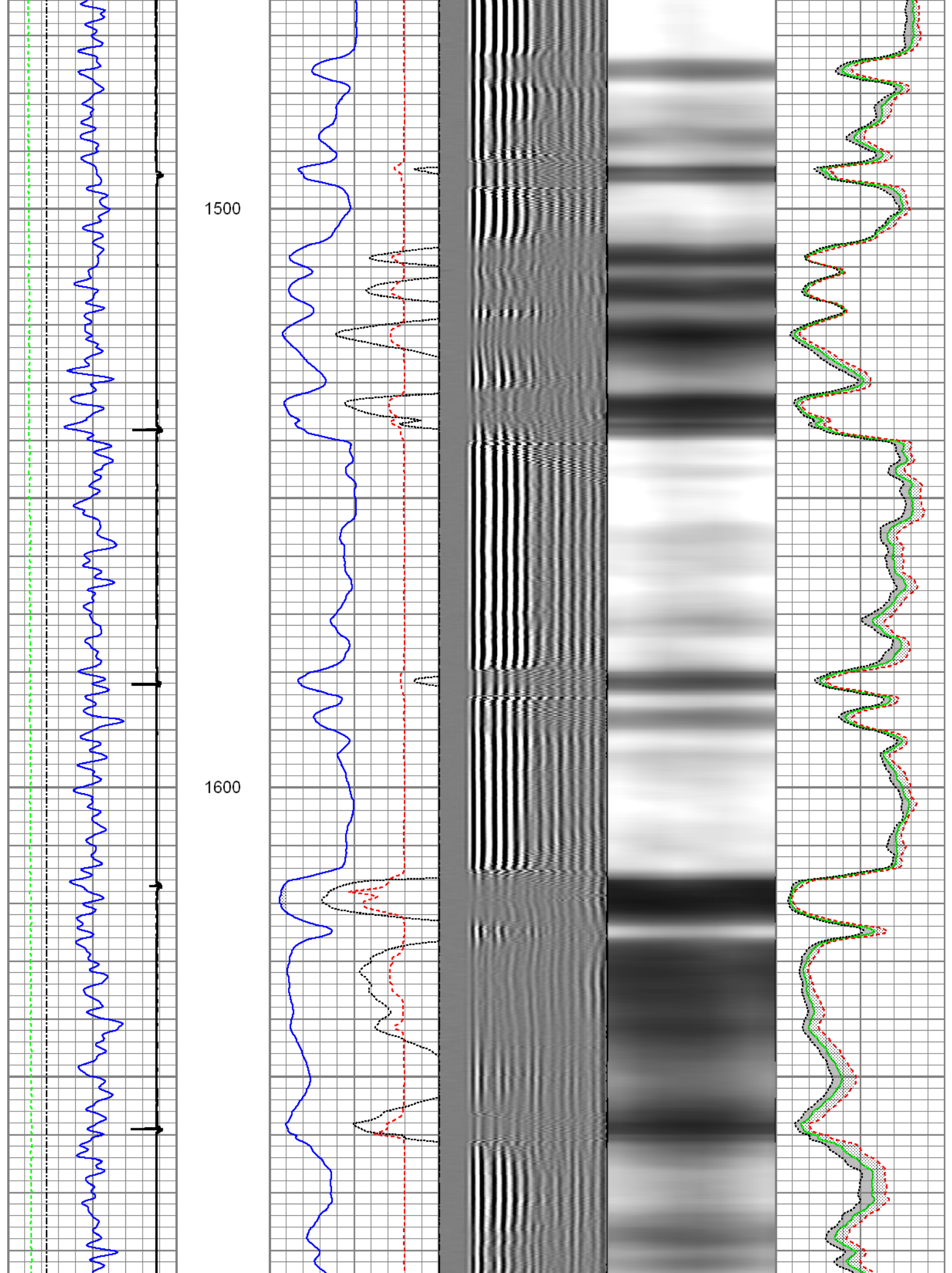


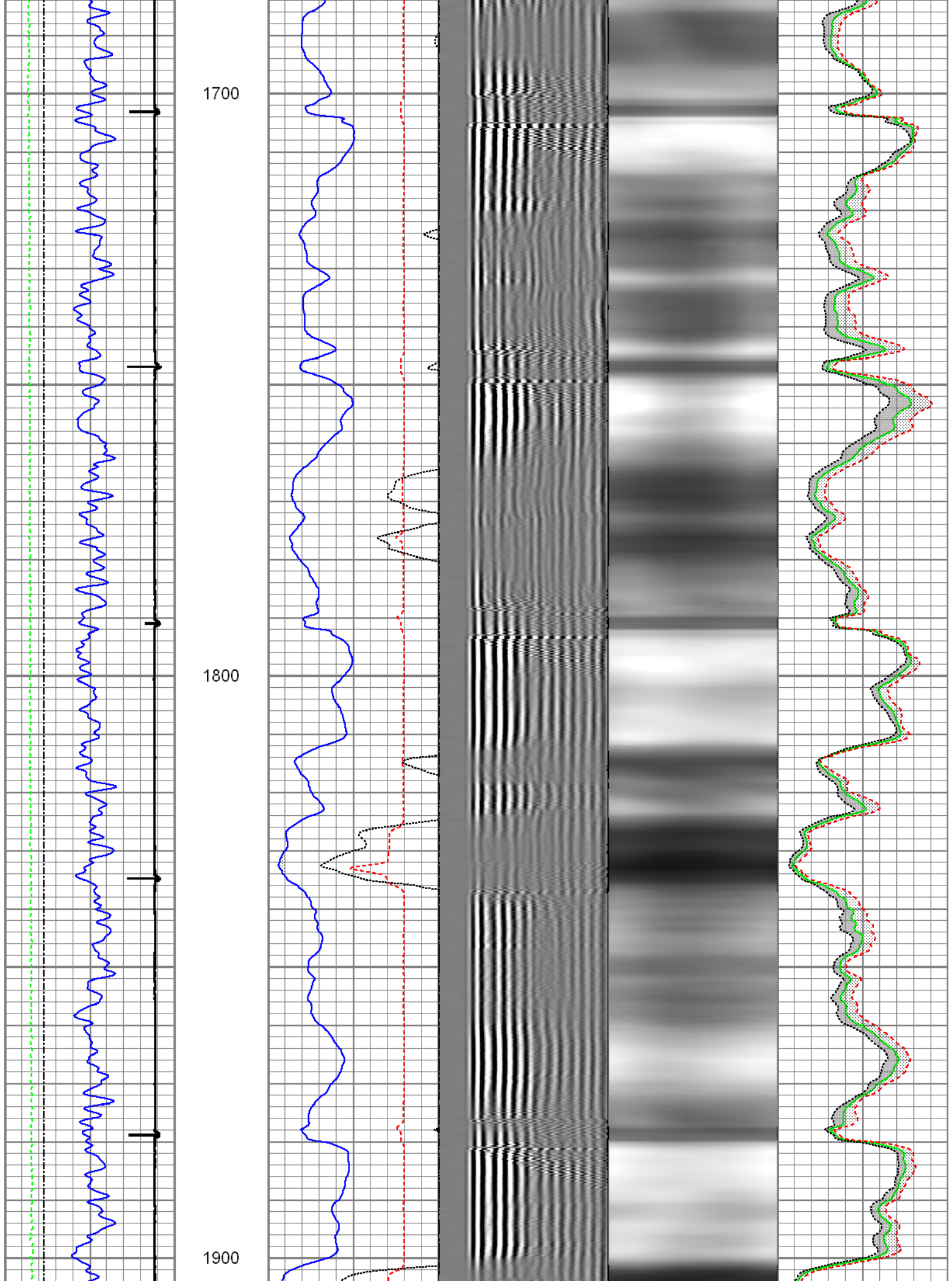


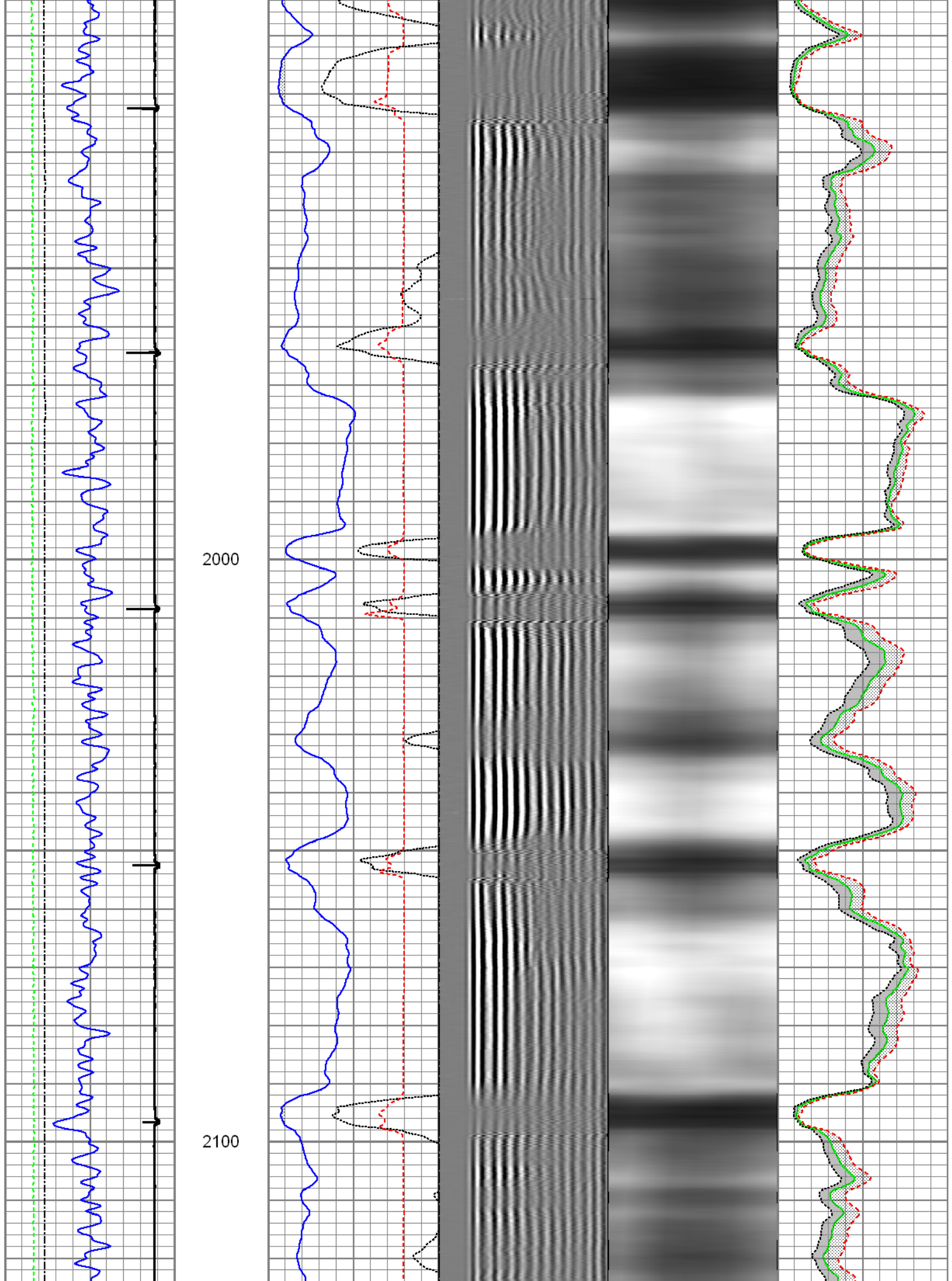








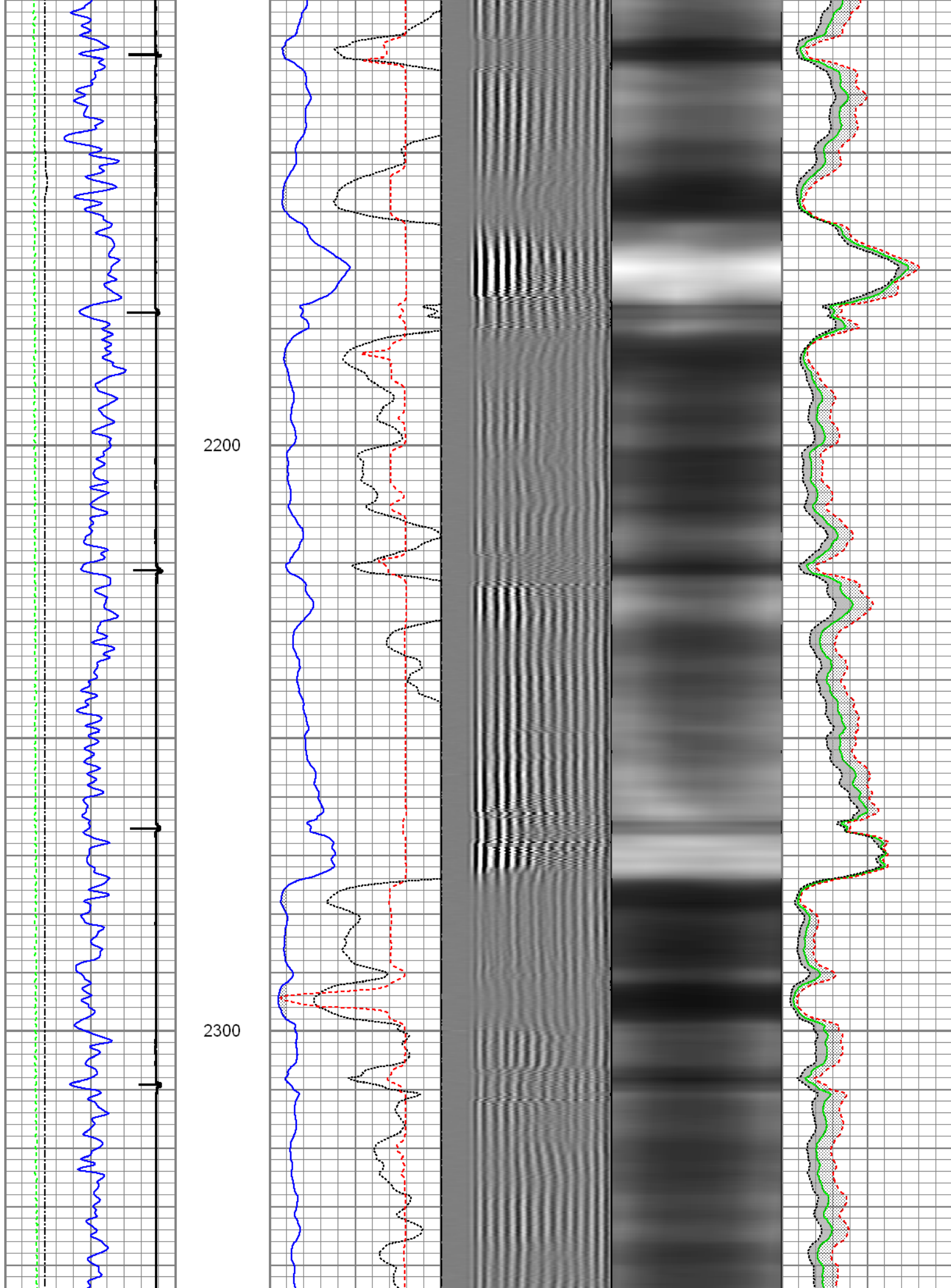






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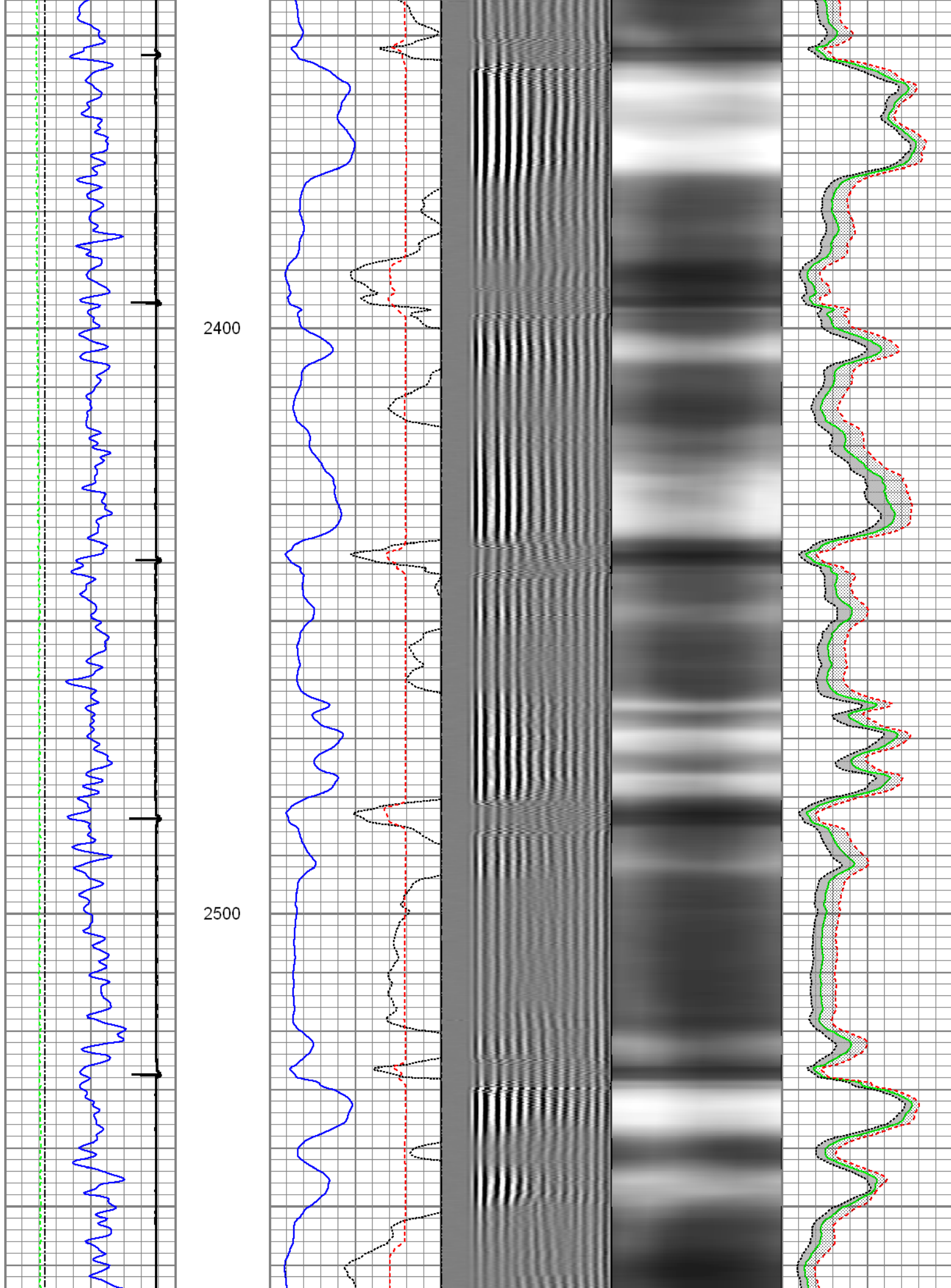
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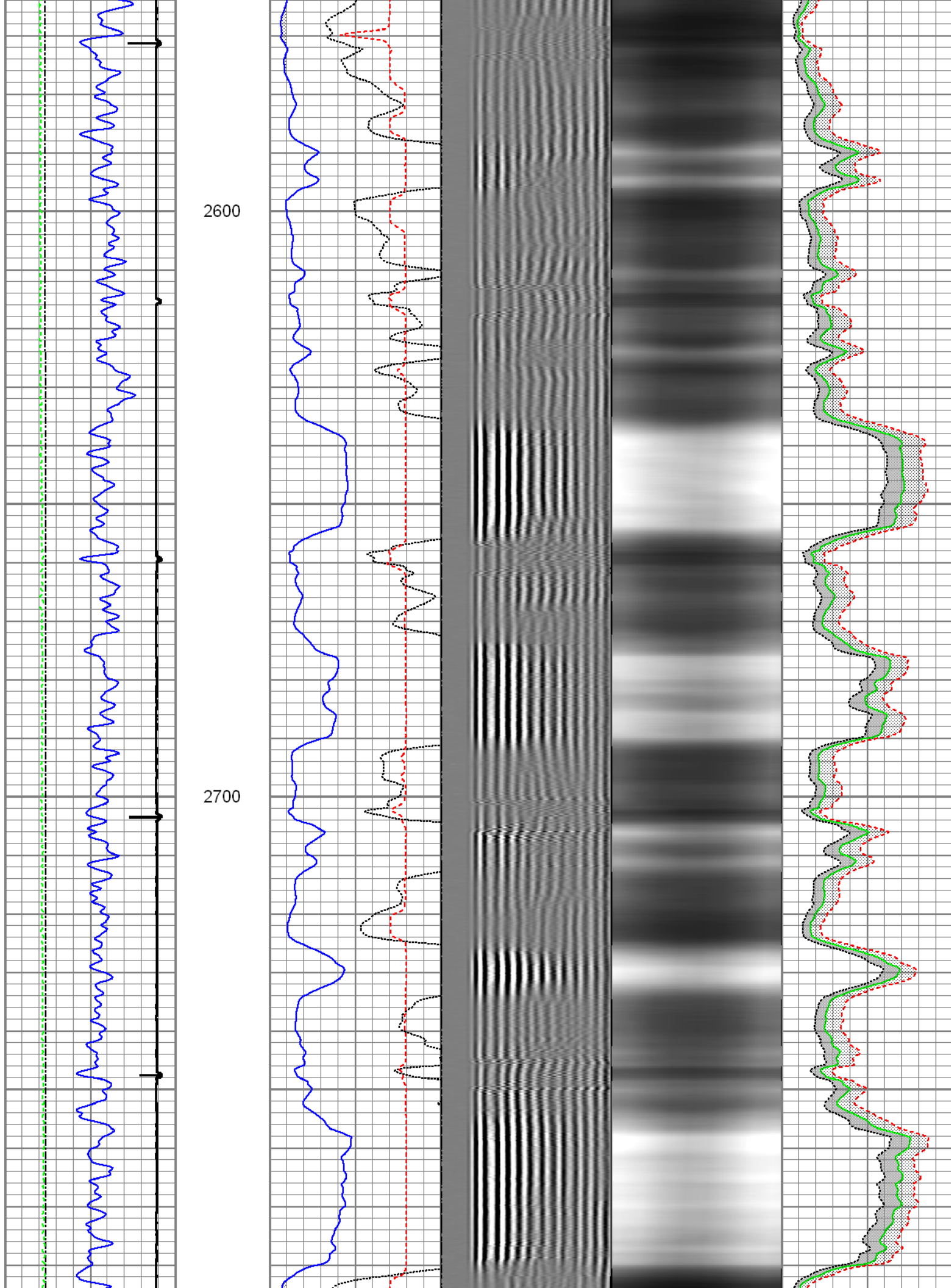
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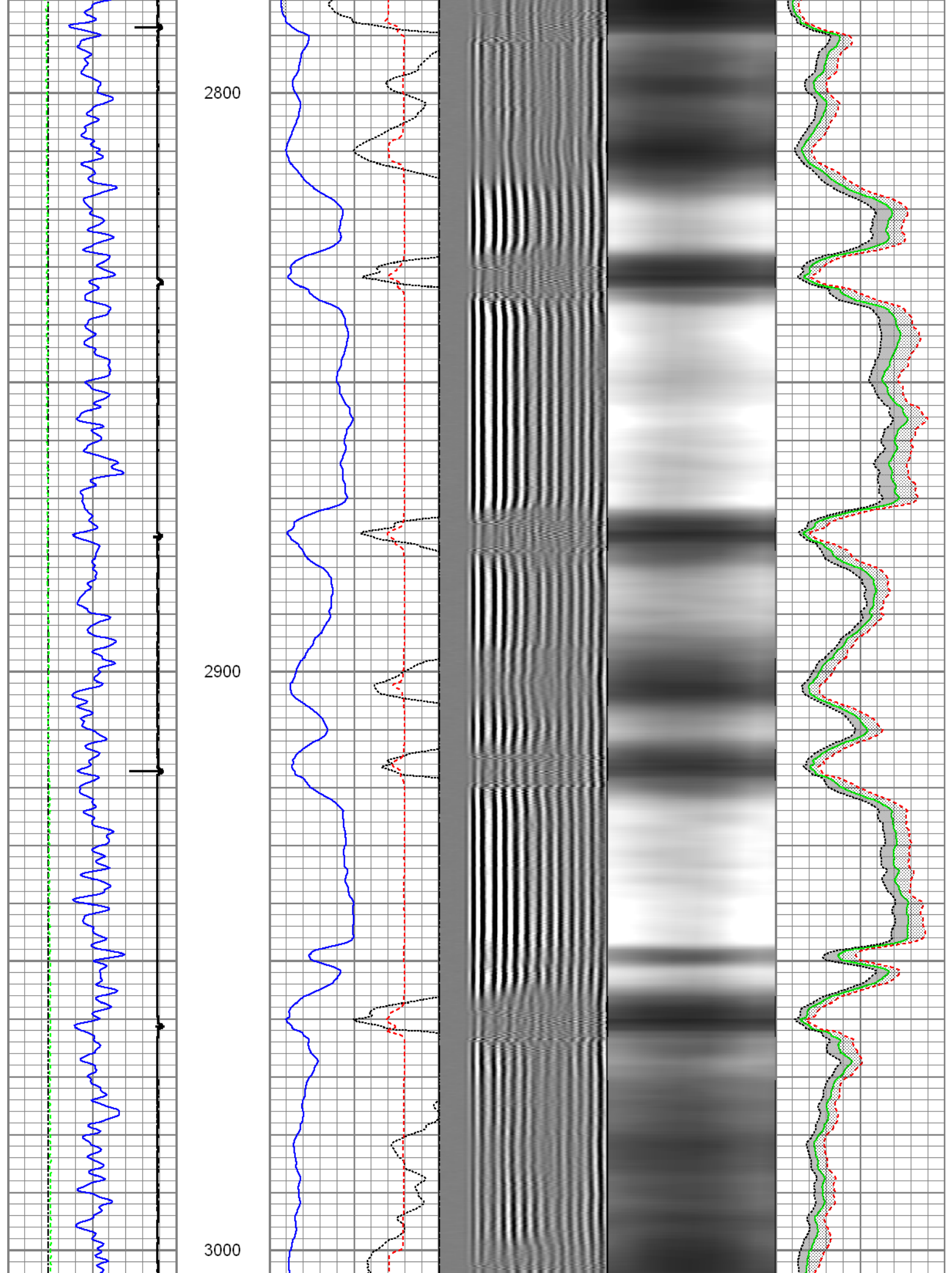
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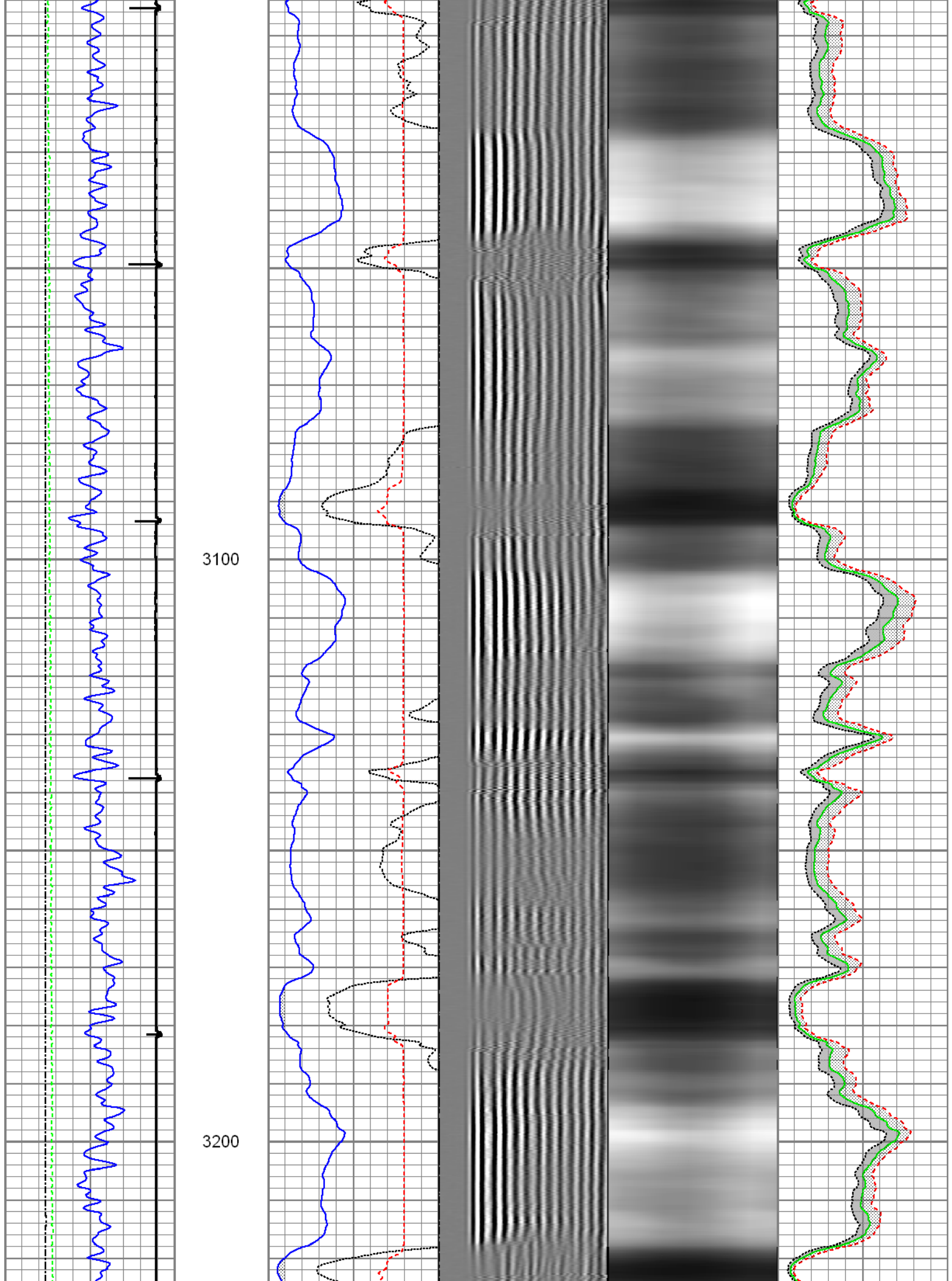
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2700

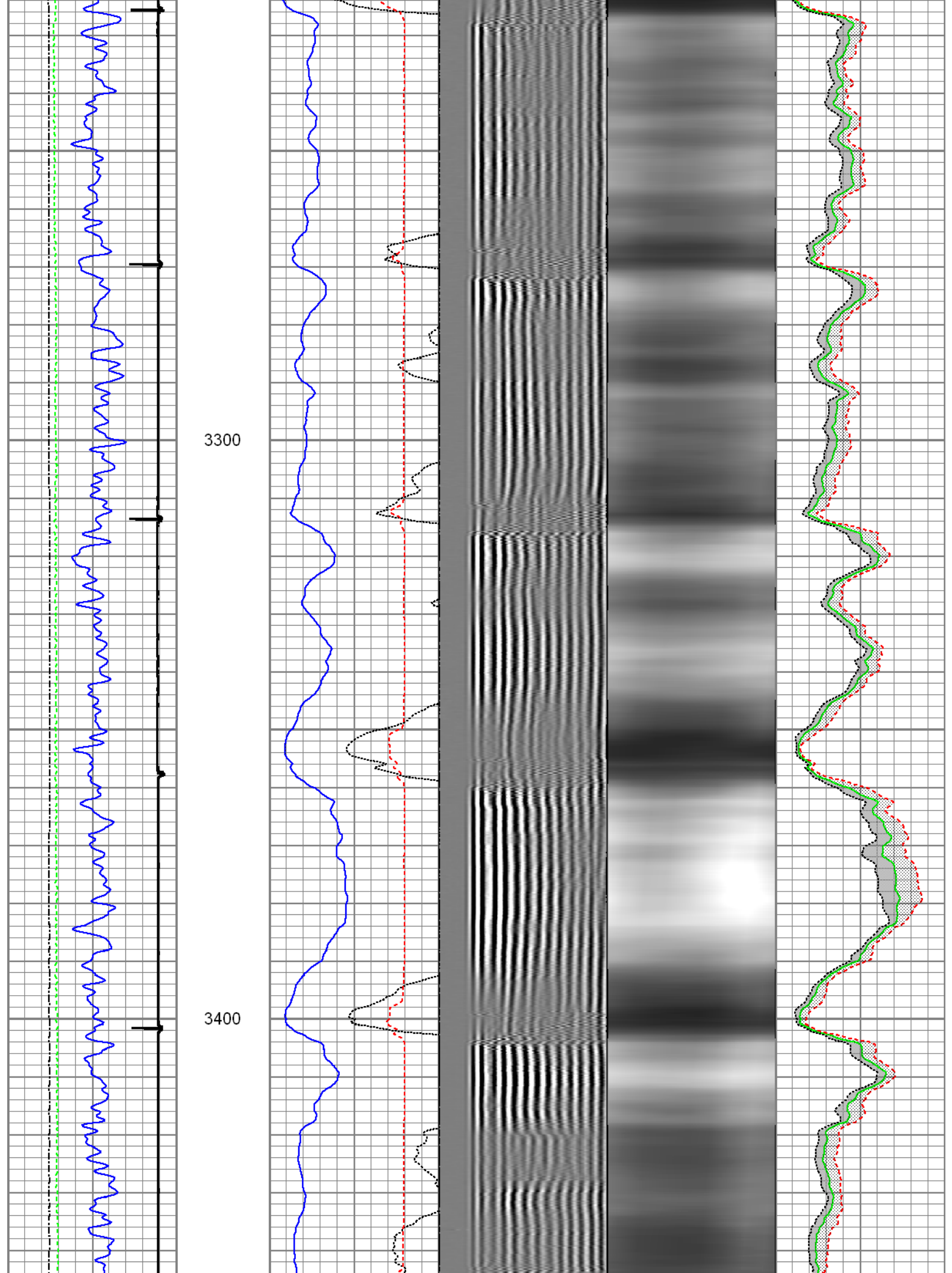


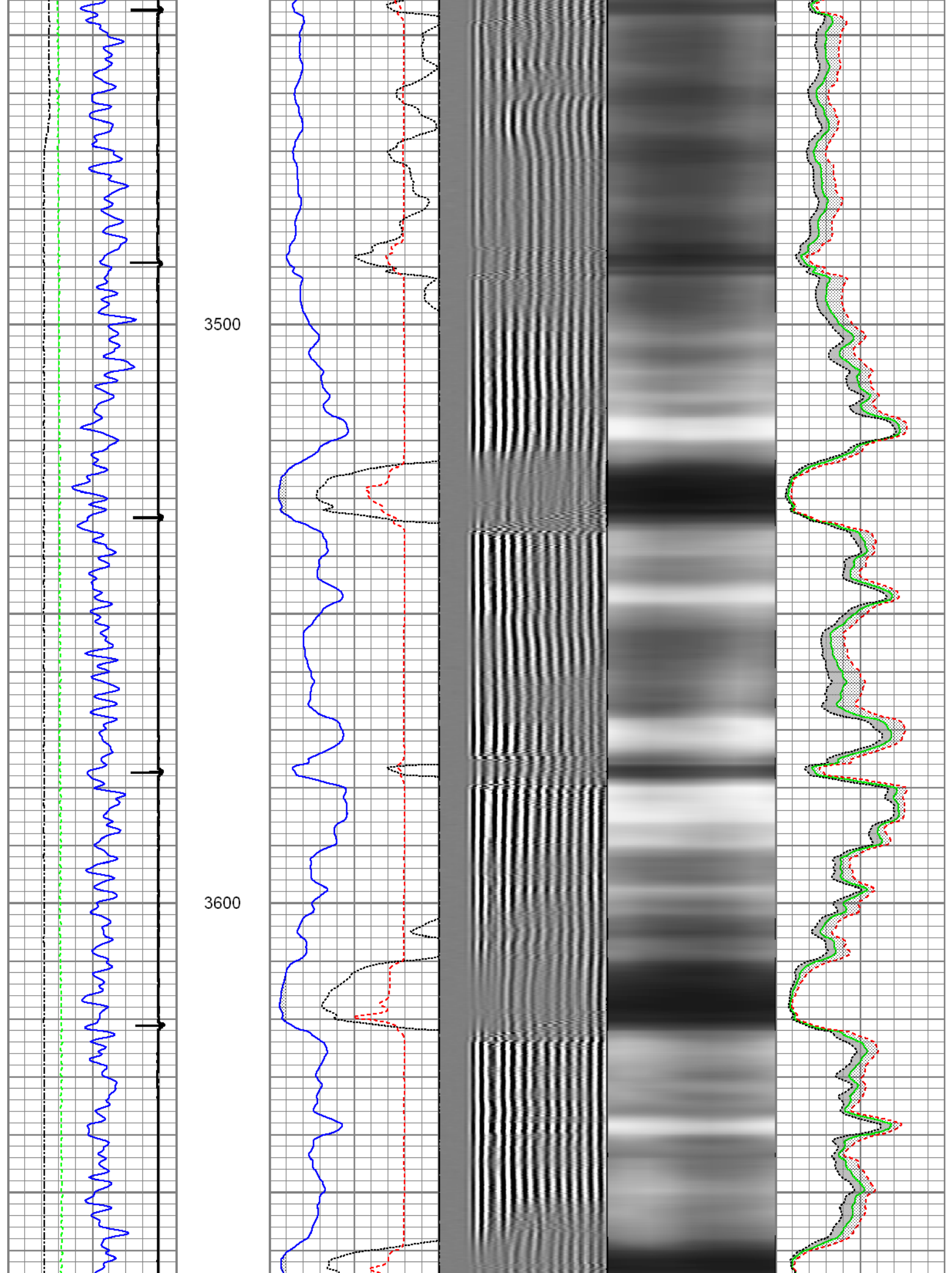


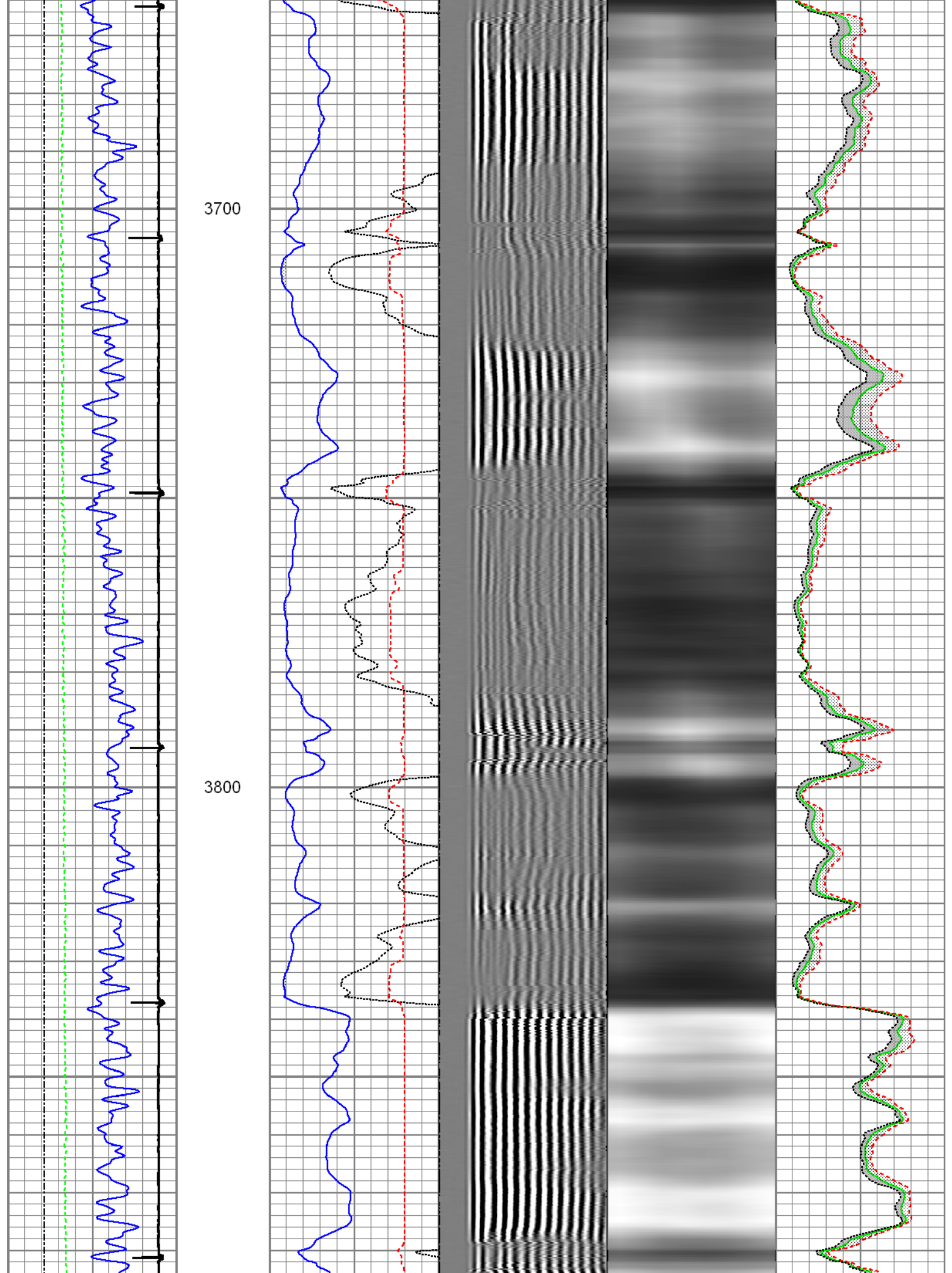




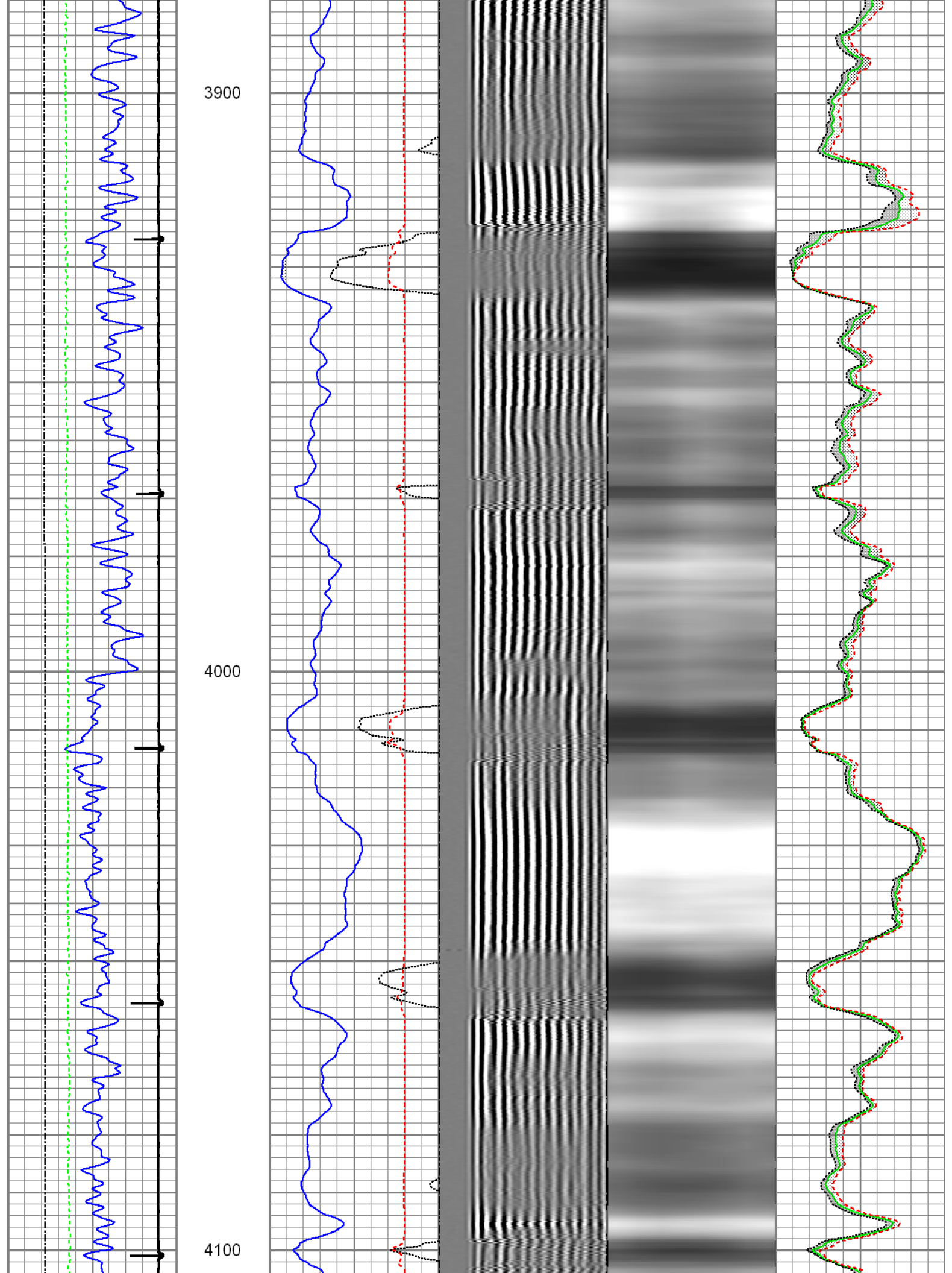




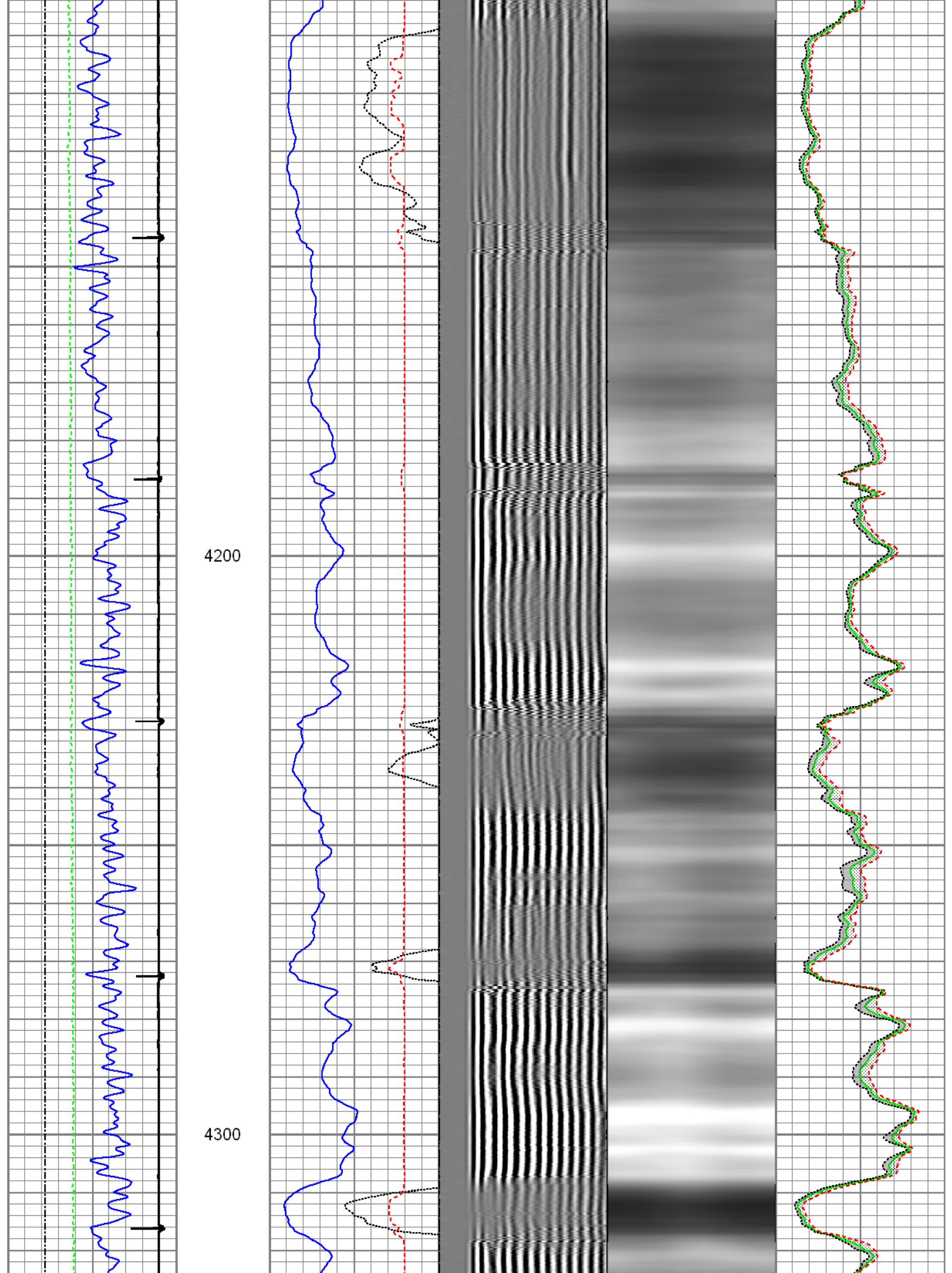


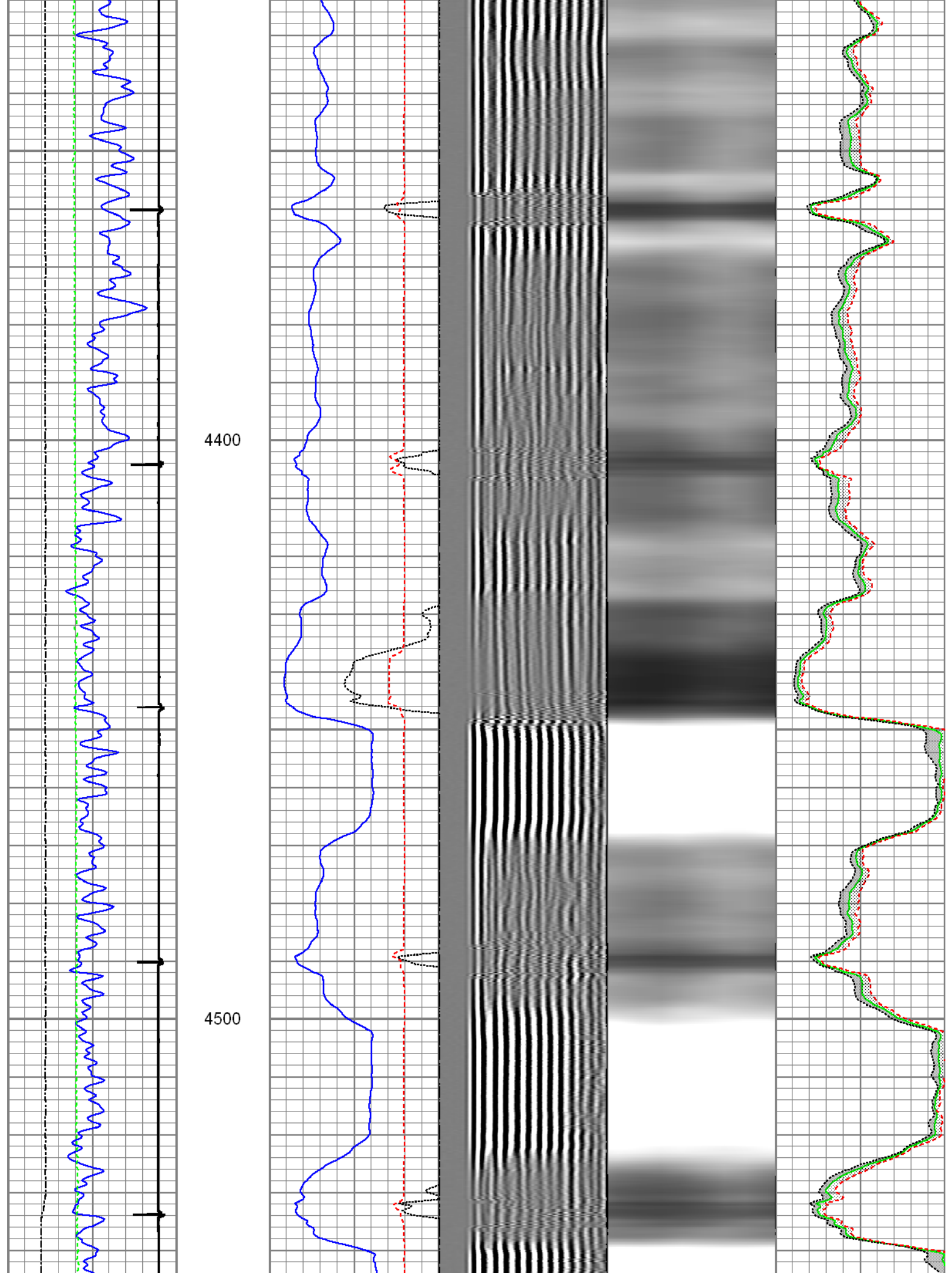


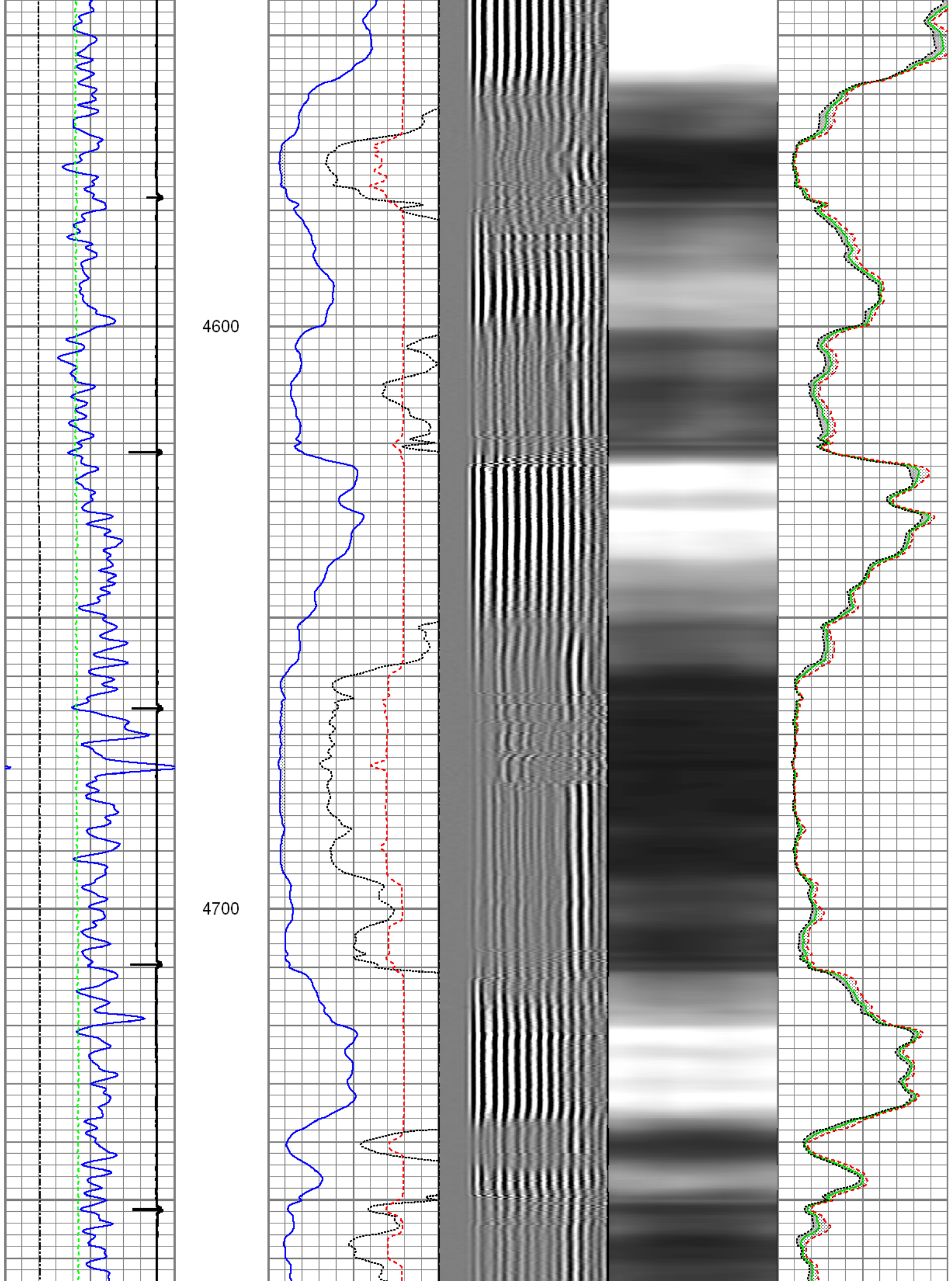


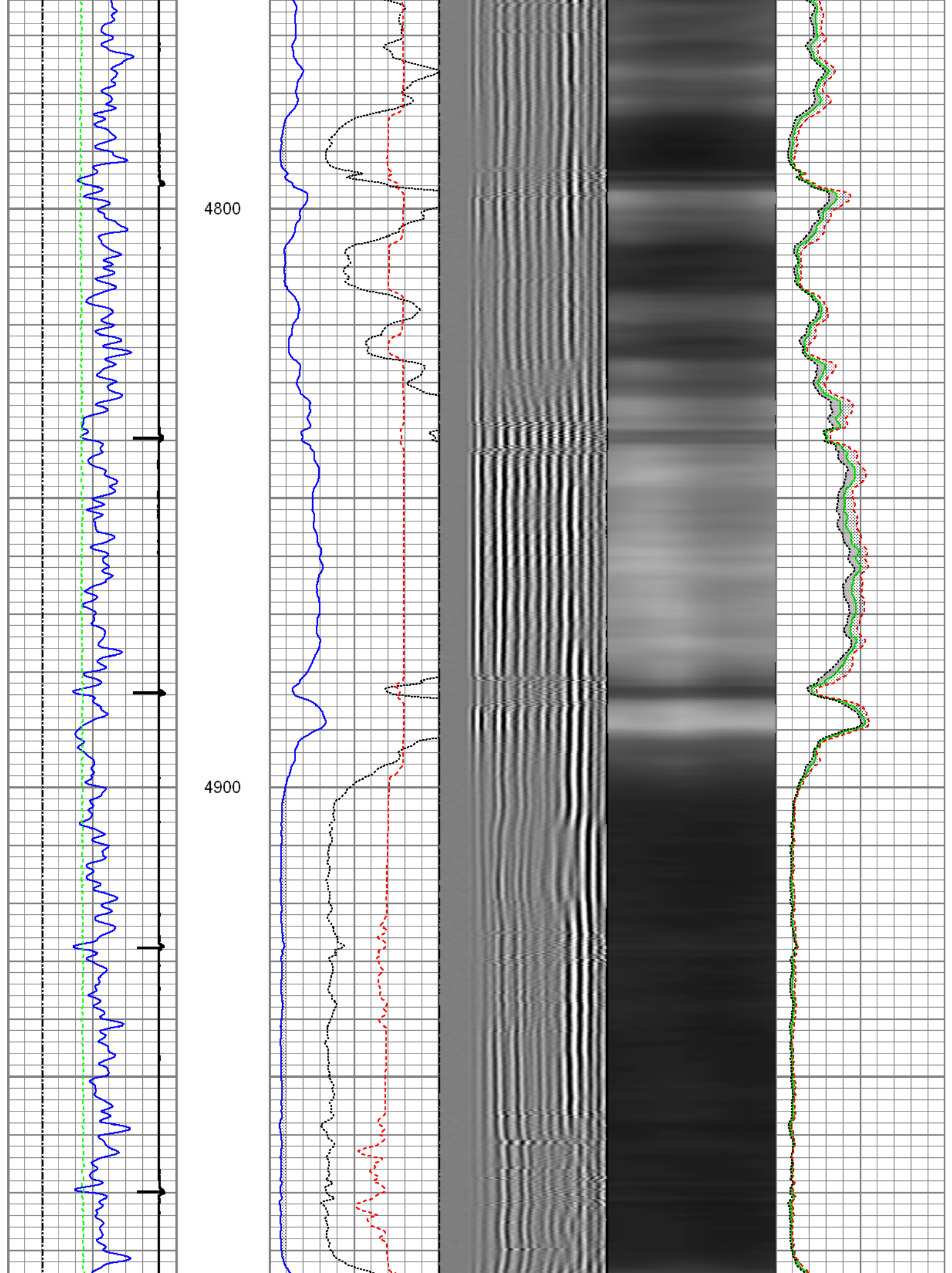




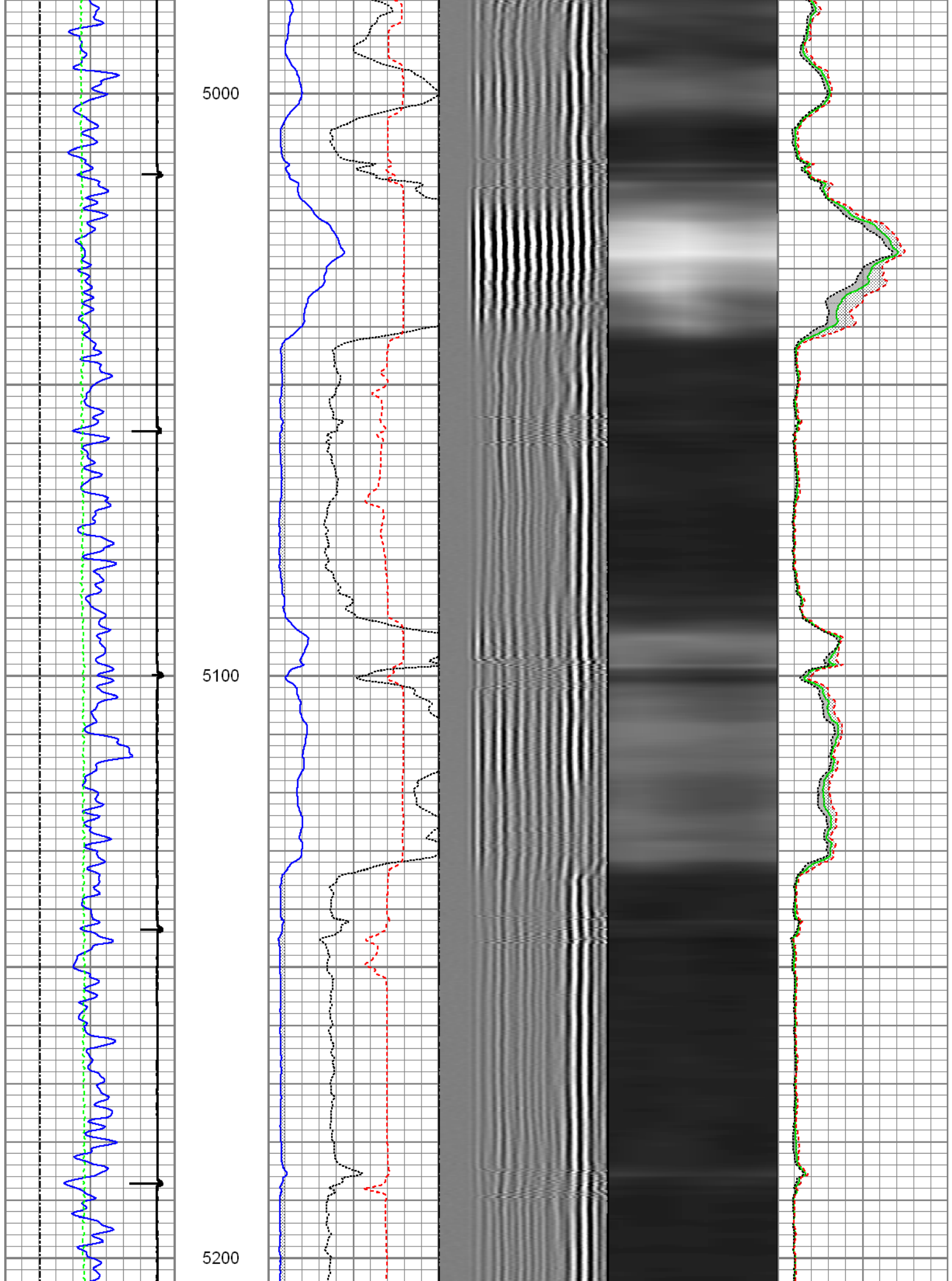


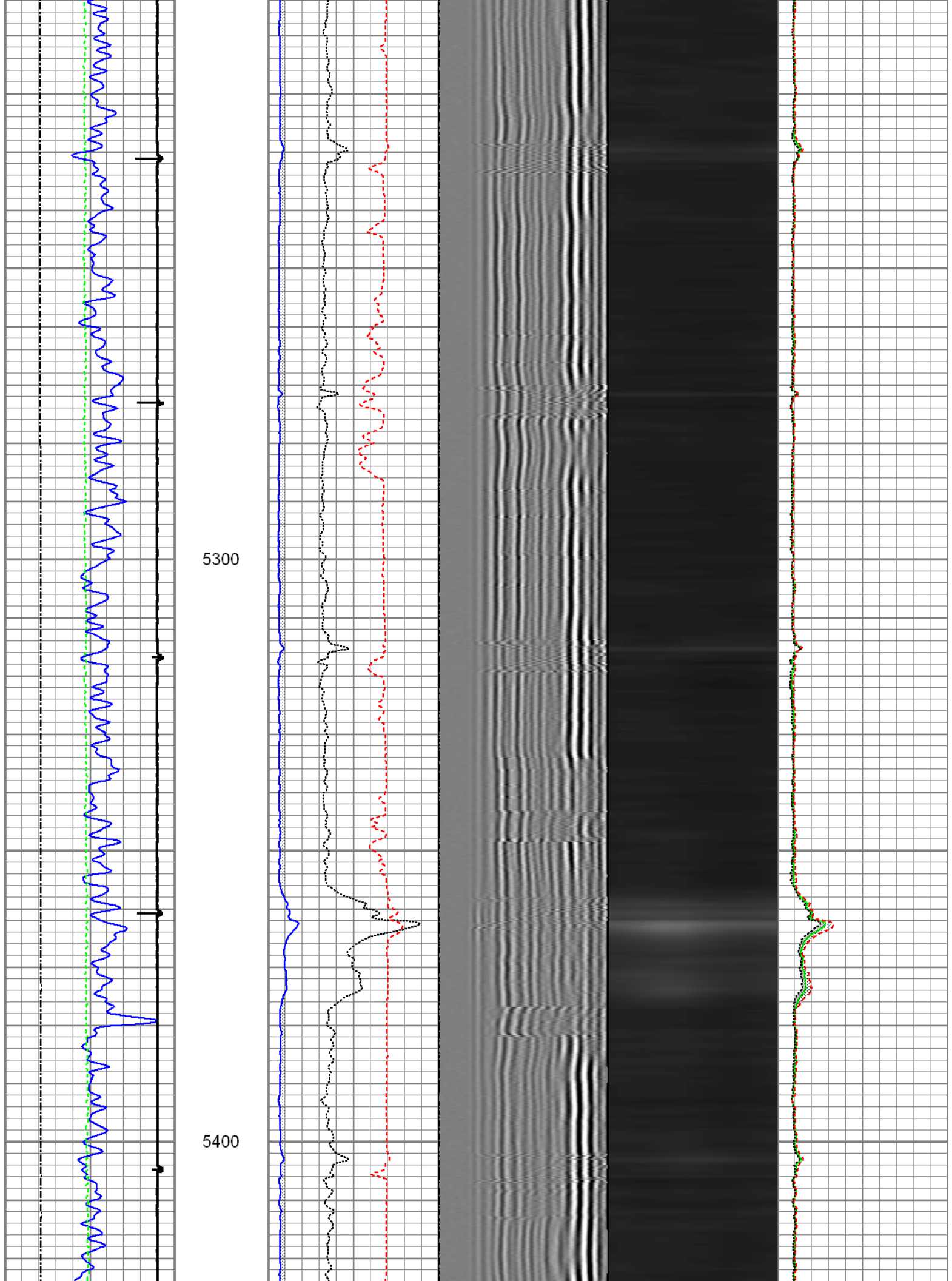


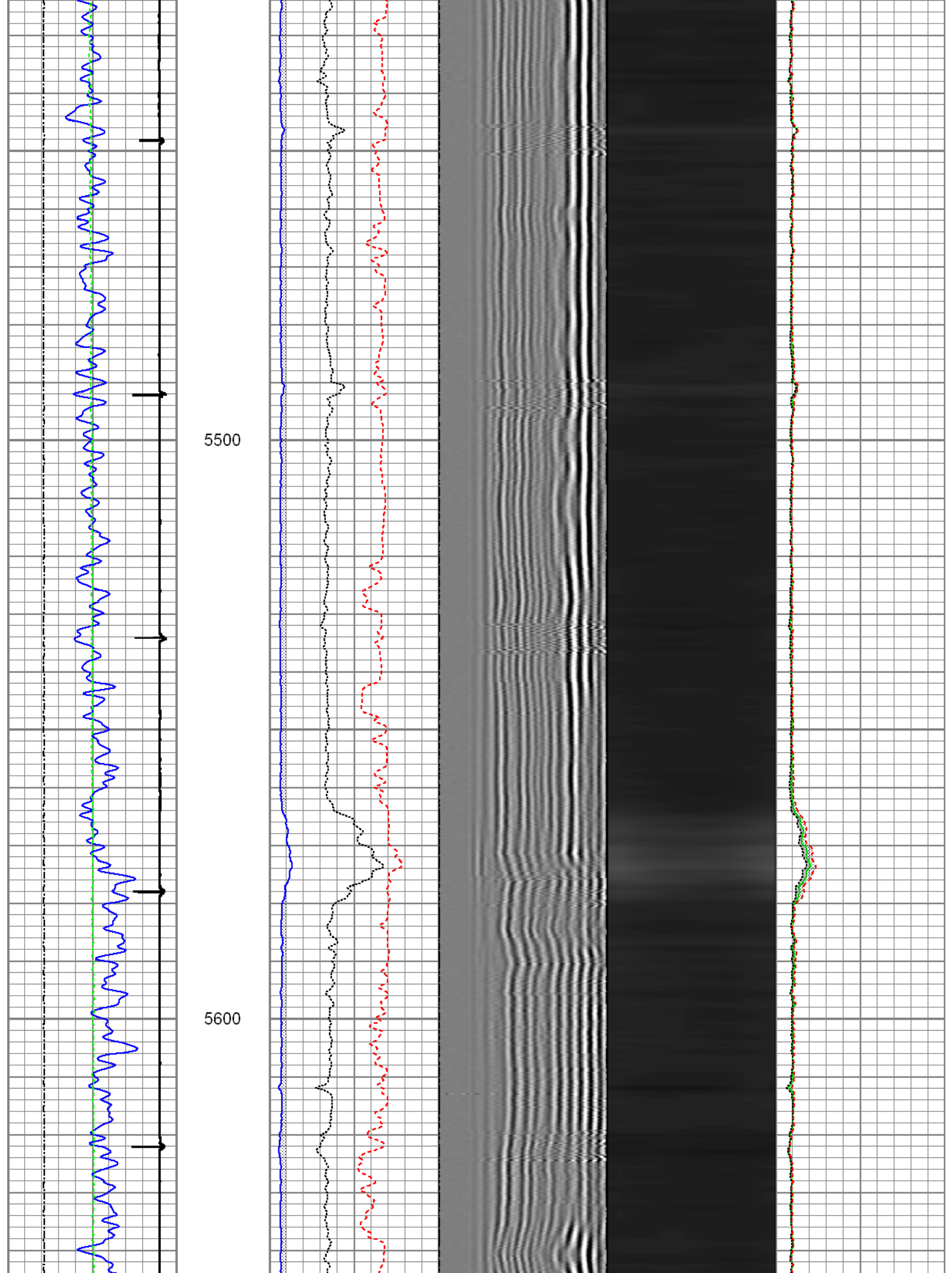






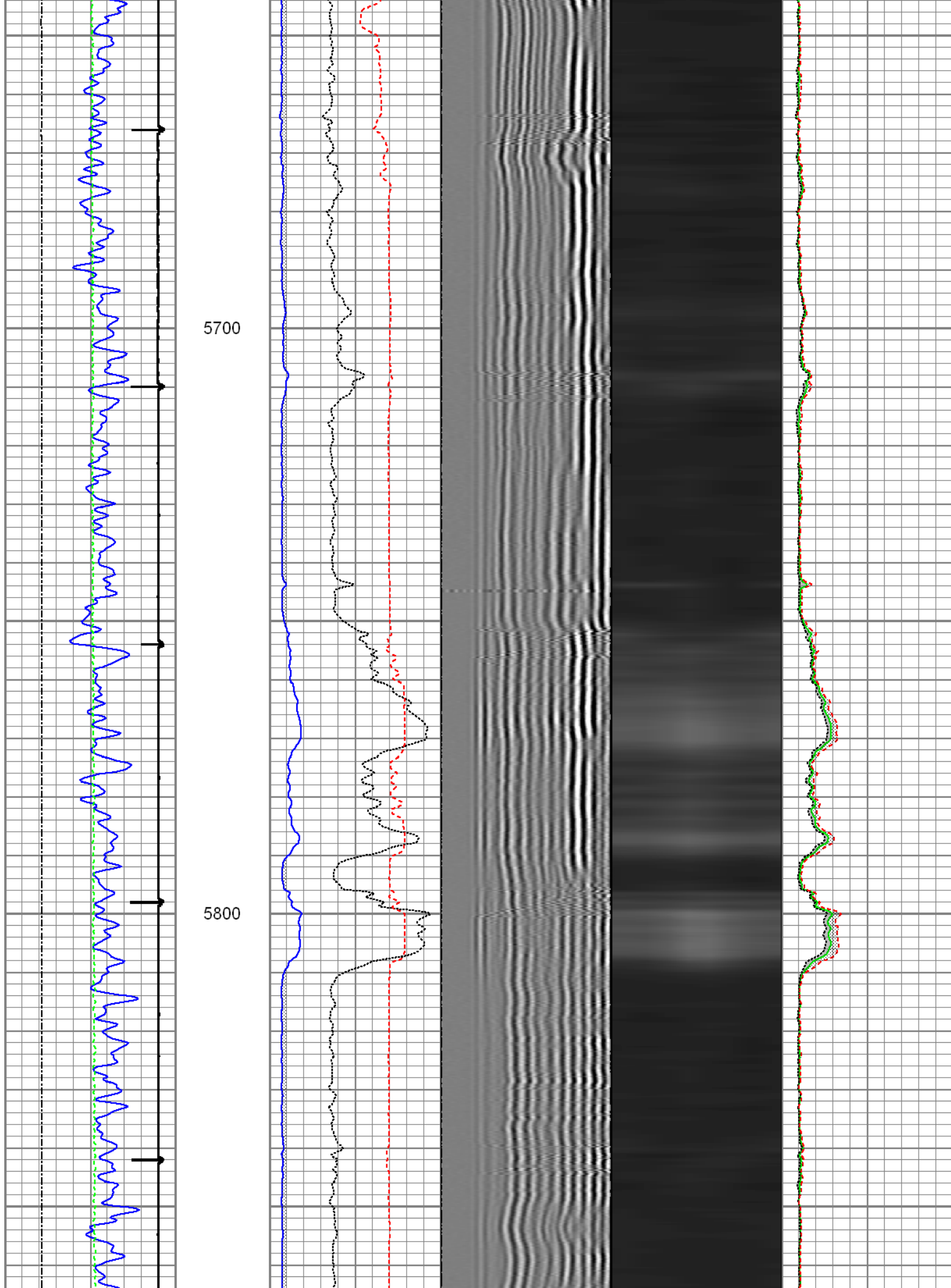






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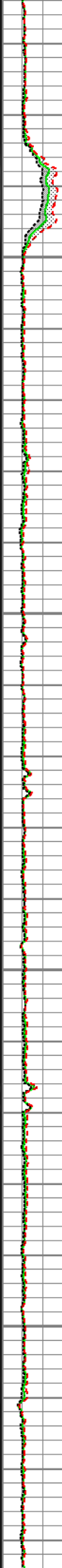
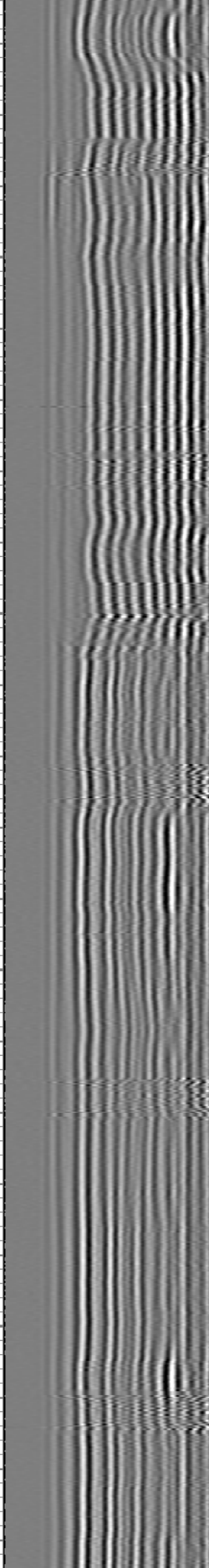
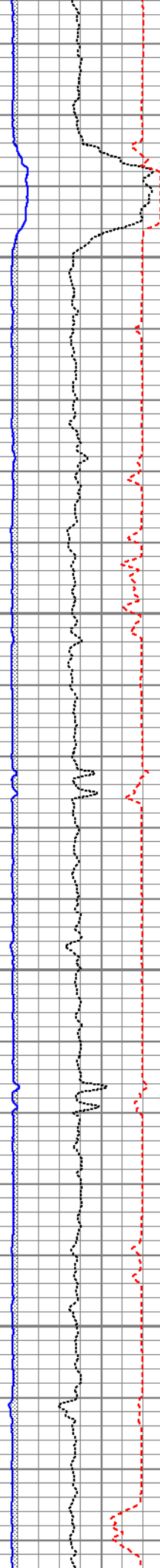
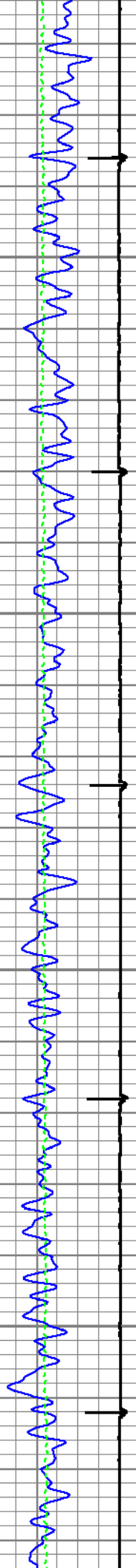
5800





5900

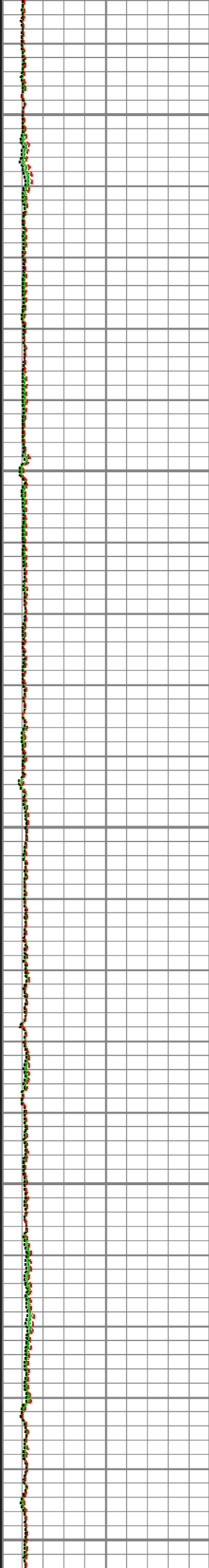
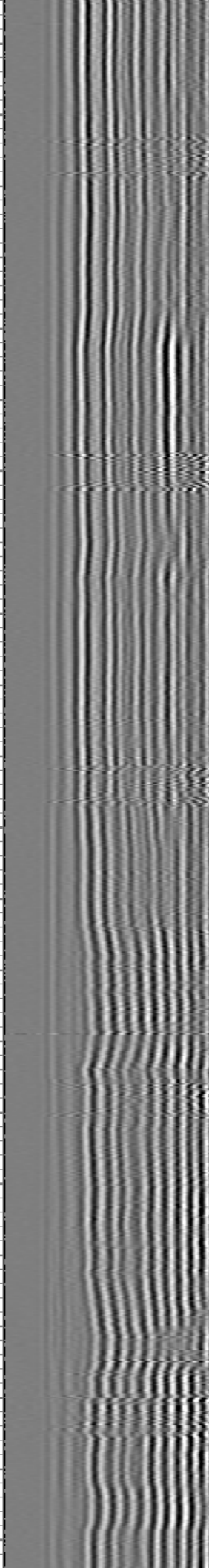
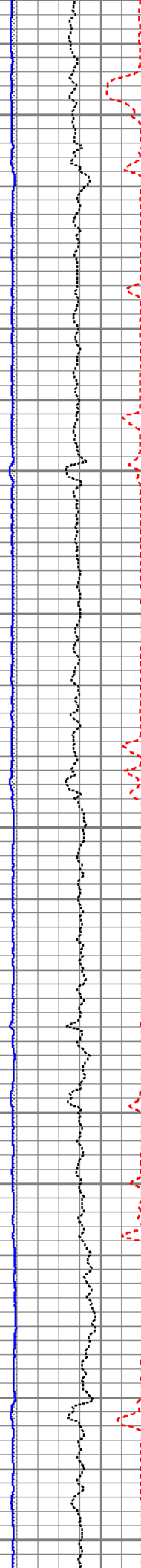
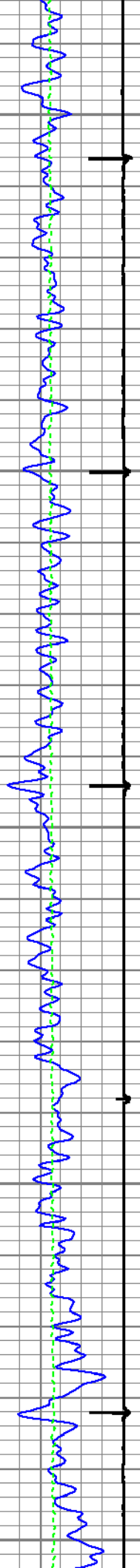
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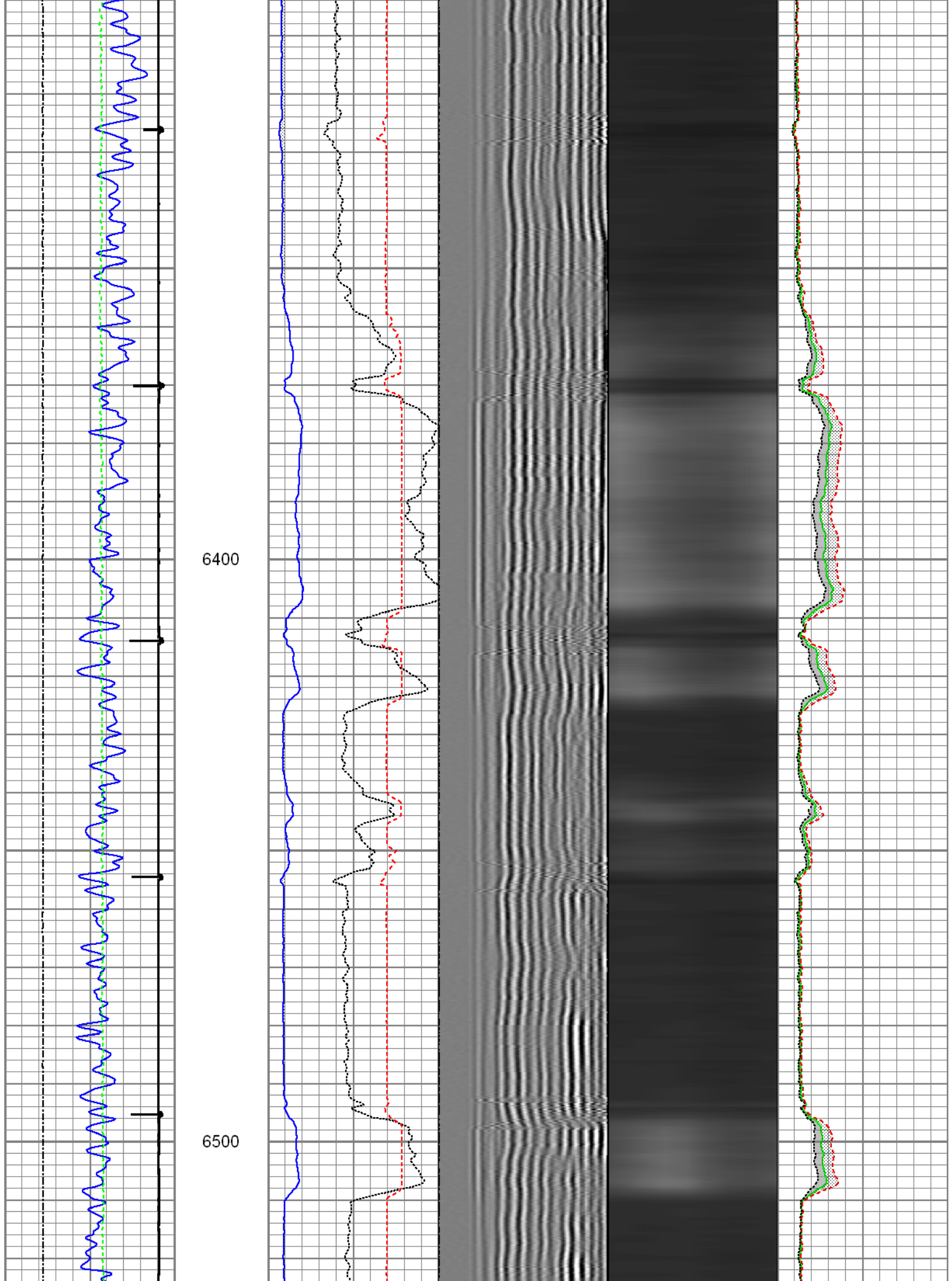


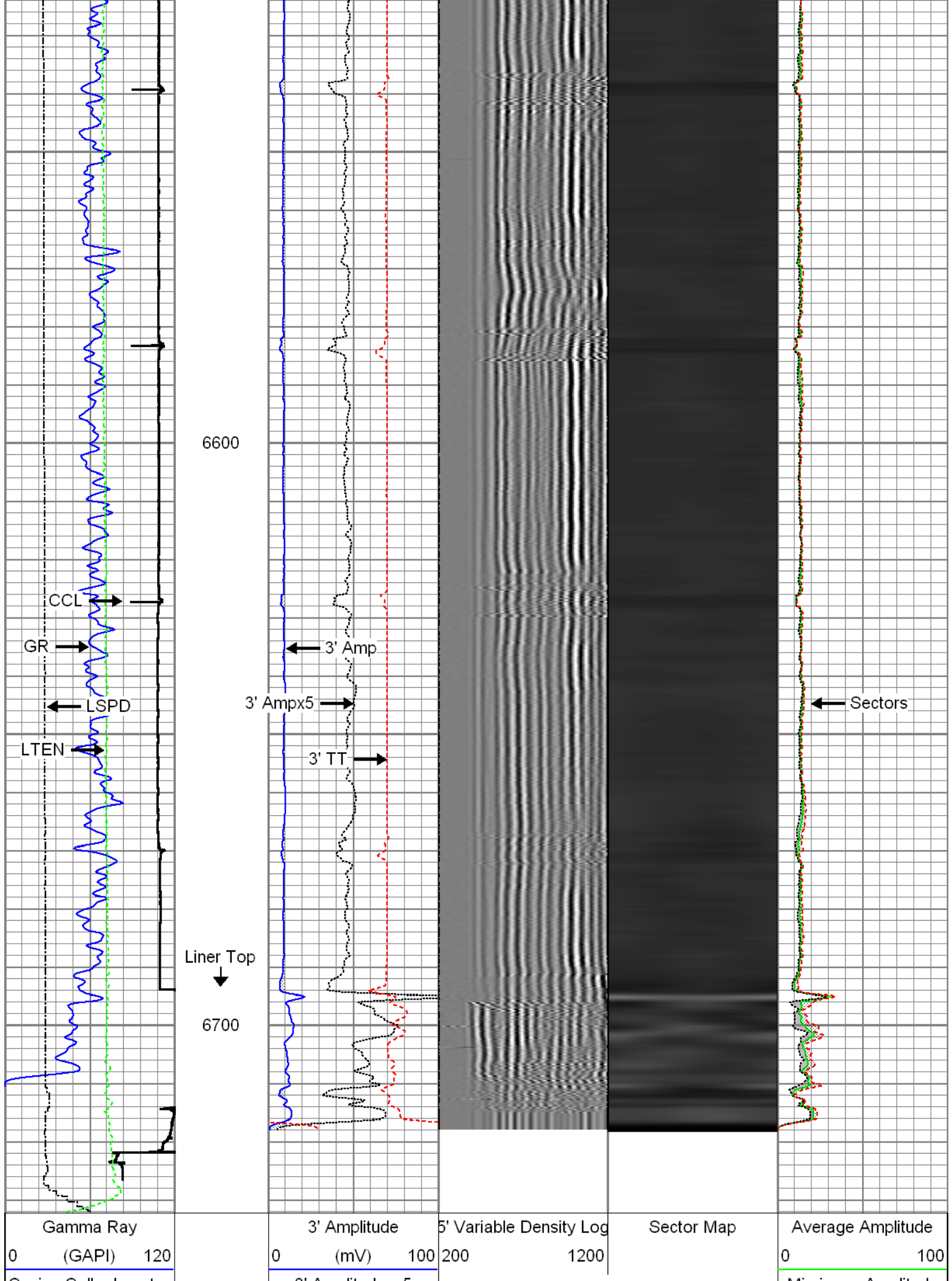
6100

6200

6300




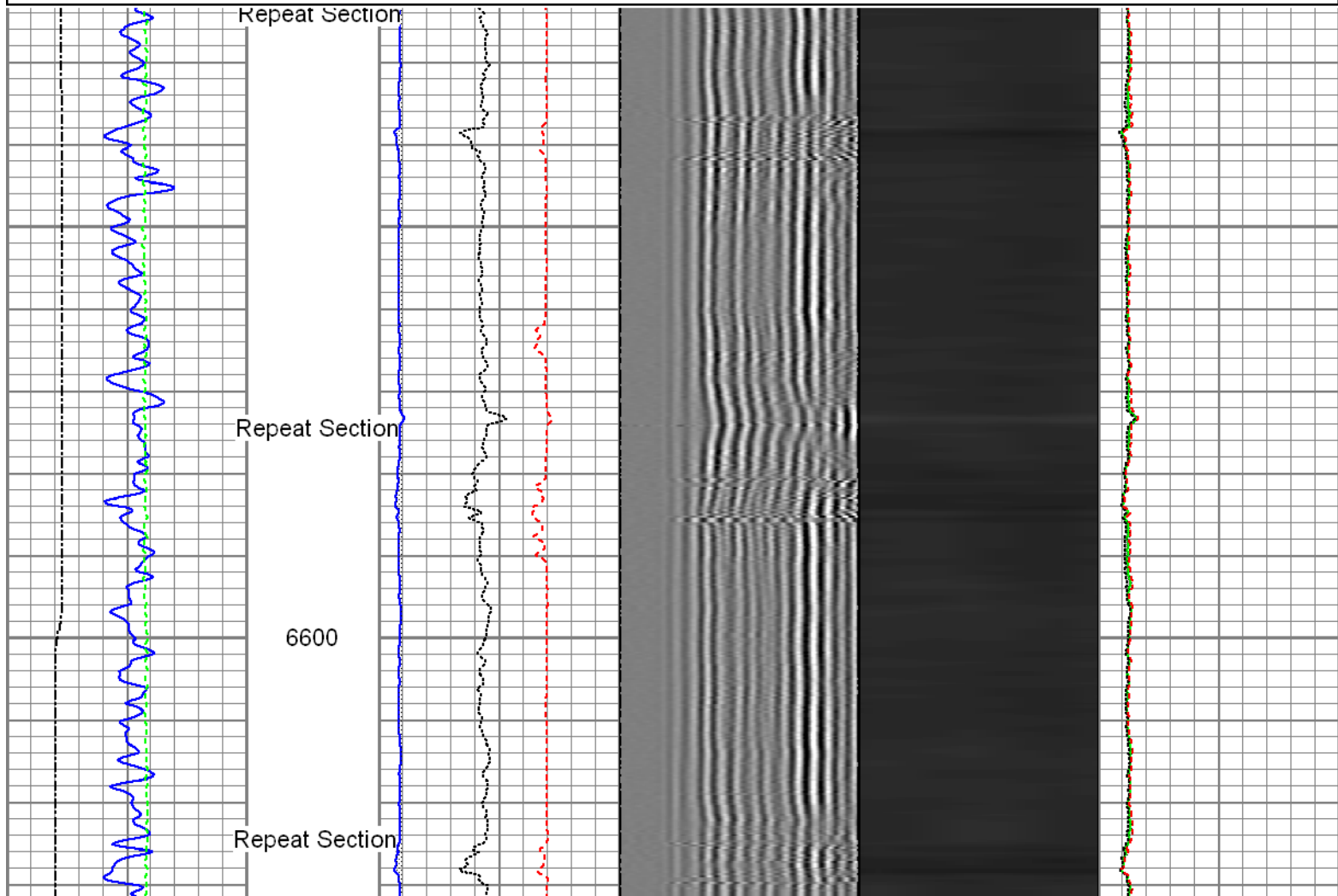


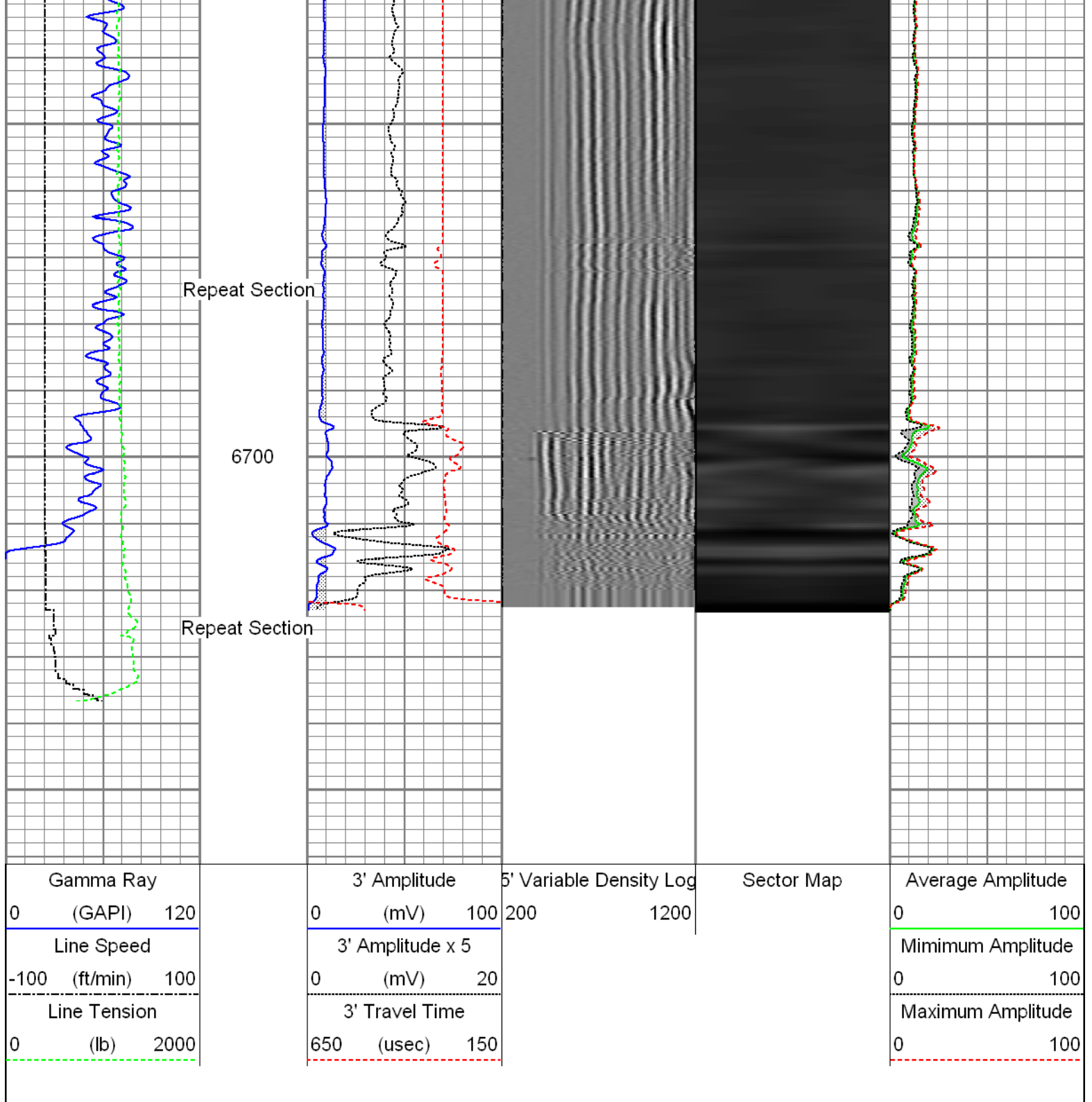


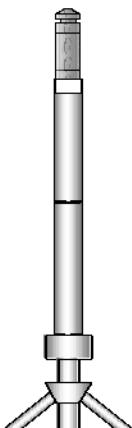


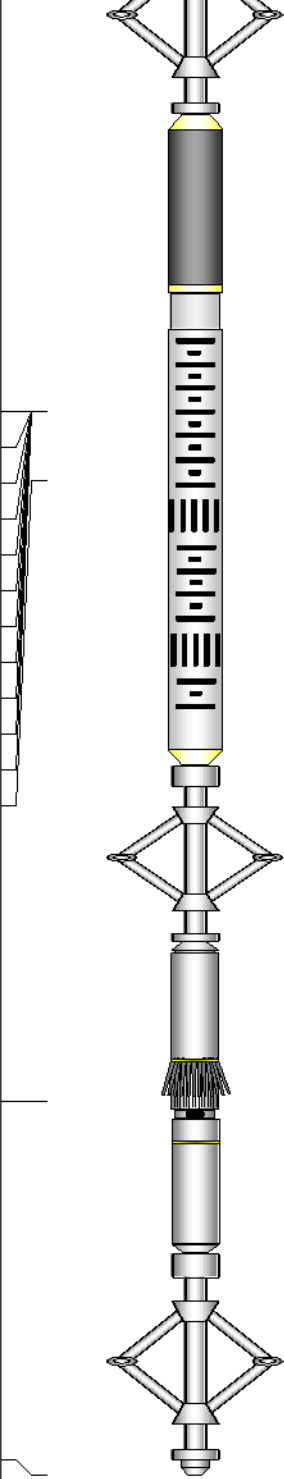
Casing Collar Locator	3' Amplitude x 5	Minimum Amplitude
Line Speed 0 (ft/min) 100	0 (mV) 20	0 100
Line Tension 0 (lb) 2000	3' Travel Time 650 (usec) 150	Maximum Amplitude 0 100

		<h2>Repeat Pass</h2> <p>Recorded with 2800 Psi surface induced pressure</p>			
Database File: 0512339234_anadarko_gee 26c-12hz_01-09-15_mit_rbl.db Dataset Pathname: pass2 Presentation Format: rbt4_mit Dataset Creation: Fri Jan 09 13:11:55 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	
Line Speed -100 (ft/min) 100	3' Amplitude x 5 0 (mV) 20			Minimum Amplitude 0 100	
Line Tension 0 (lb) 2000	3' Travel Time 650 (usec) 150			Maximum Amplitude 0 100	





Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	23.24		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 (10024281) Sondex Adapter - GO Box to Sondex Pin	0.21	1.69	1.00
			UW_XTU-UW_XTU_002 (10024281) Crossover Ultrawire Toolbus to Ultralink	1.58	1.69	6.50
			UW_PGR-UW_PGR_020 (10024555) 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	15.42		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		UW_PRC-DSSRAC (082) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
CBLROT	15.42					
WVF5FT	14.42					
MIT	5.41		UW_MIT-UW_MIT40_042 (10012912) 40 Multifinger Imaging Tool	4.54	2.75	61.10
			UW_PRC #4 -UW_PRC_057 (1102) Sondex 2-3/4" 4-Arm Production Roller Centraliser	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: 0512339234_Anadarko_Gee 26C-12HZ_01-09-15_MIT_RBL.db: field/well/run1/pass3 Total Length: 27.49 ft Total Weight: 319.30 lb O.D. 3.13 in						

Calibration Report	
Database File:	0512339234_Anadarko_Gee 26C-12HZ_01-09-15_MIT_RBL.db
Dataset Pathname:	pass4
Dataset Creation:	Fri Jan 09 15:51:19 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

Performed:  
Calibration Angle:

45  
Mon Jan 19 09:55:56 2015

Vertical:		Inc X	Inc Y
Finger 1 up:		1968	1974
Finger 31 up:		1740	1744
Finger 21 up:		2215	1741
Finger 11 up:		2205	2224
		1731	2217
Sensitivity ratio:	0.992868		
X-axis angle:	134.307		
Deviation const.:	335.589		

### Finger Calibration Report

Performed: Fri Jan 09 12:41:06 2015

Ring size: (in)	4	Sens	5	Sens	6	Sens	7
Finger 01:	1042	389.0	1431	387.0	1818	390.0	2208
Finger 02:	1172	403.0	1575	387.0	1962	385.0	2347
Finger 03:	1065	409.0	1474	404.0	1878	411.0	2289
Finger 04:	1079	397.0	1476	392.0	1868	407.0	2275
Finger 05:	1072	406.0	1478	398.0	1876	410.0	2286
Finger 06:	1084	412.0	1496	397.0	1893	411.0	2304
Finger 07:	1063	411.0	1474	400.0	1874	417.0	2291
Finger 08:	1088	405.0	1493	393.0	1886	417.0	2303
Finger 09:	1065	407.0	1472	392.0	1864	415.0	2279
Finger 10:	1073	409.0	1482	392.0	1874	419.0	2293
Finger 11:	1079	407.0	1486	388.0	1874	413.0	2287
Finger 12:	1080	406.0	1486	387.0	1873	423.0	2296
Finger 13:	1084	404.0	1488	381.0	1869	411.0	2280
Finger 14:	1083	411.0	1494	390.0	1884	424.0	2308
Finger 15:	1033	413.0	1446	402.0	1848	439.0	2287
Finger 16:	1046	410.0	1456	399.0	1855	439.0	2294
Finger 17:	945	375.0	1320	371.0	1691	418.0	2109
Finger 18:	1106	398.0	1504	383.0	1887	420.0	2307
Finger 19:	1061	397.0	1458	385.0	1843	425.0	2268
Finger 20:	1012	395.0	1407	392.0	1799	436.0	2235
Finger 21:	1018	403.0	1421	394.0	1815	419.0	2234
Finger 22:	1024	400.0	1424	396.0	1820	433.0	2253
Finger 23:	958	394.0	1352	400.0	1752	442.0	2194
Finger 24:	1067	393.0	1460	382.0	1842	399.0	2241
Finger 25:	1007	394.0	1401	399.0	1800	430.0	2230
Finger 26:	1127	385.0	1512	372.0	1884	390.0	2274
Finger 27:	1042	388.0	1430	393.0	1823	409.0	2232
Finger 28:	1104	385.0	1489	379.0	1868	394.0	2262
Finger 29:	1032	392.0	1424	399.0	1823	415.0	2238
Finger 30:	1077	390.0	1467	392.0	1859	404.0	2263
Finger 31:	1093	385.0	1478	386.0	1864	395.0	2259
Finger 32:	1064	393.0	1457	402.0	1859	403.0	2262
Finger 33:	1147	390.0	1537	374.0	1911	368.0	2279
Finger 34:	1109	385.0	1494	382.0	1876	385.0	2261
Finger 35:	1047	400.0	1447	412.0	1859	416.0	2275
Finger 36:	1068	395.0	1463	397.0	1860	401.0	2261
Finger 37:	1103	393.0	1496	393.0	1889	387.0	2276
Finger 38:	1122	394.0	1516	384.0	1900	375.0	2275
Finger 39:	1142	387.0	1529	381.0	1910	377.0	2287
Finger 40:	1079	400.0	1479	396.0	1875	396.0	2271

### Post Survey Calibration Check

Performed: Fri Jan 09 15:51:13 2015

Ring size: (in)	4	Nom. wear	5	Nom. wear	6	Nom. wear	7	Nom. wear
Finger 01:	4.093	0.046	5.007	0.003	6.007	0.004	7.007	0.003
Finger 02:	4.096	0.048	5.006	0.003	6.009	0.005	7.010	0.005
Finger 03:	4.092	0.046	5.008	0.004	6.010	0.005	7.012	0.006




Finger 03:	4.092	0.046	5.008	0.004	6.010	0.003	7.012	0.008
Finger 04:	4.091	0.045	5.005	0.003	6.005	0.003	7.004	0.002
Finger 05:	4.102	0.051	5.020	0.010	6.010	0.005	7.007	0.003
Finger 06:	4.090	0.045	5.002	0.001	6.005	0.003	7.004	0.002
Finger 07:	4.095	0.048	5.005	0.002	6.006	0.003	7.007	0.004
Finger 08:	4.103	0.052	5.006	0.003	6.016	0.008	7.005	0.003
Finger 09:	4.094	0.047	4.999	-0.000	5.999	-0.001	7.001	0.001
Finger 10:	4.099	0.049	5.006	0.003	6.006	0.003	7.004	0.002
Finger 11:	4.095	0.047	5.008	0.004	6.004	0.002	7.006	0.003
Finger 12:	4.091	0.046	5.001	0.000	6.004	0.002	6.999	-0.001
Finger 13:	4.096	0.048	5.007	0.003	6.008	0.004	7.007	0.003
Finger 14:	4.096	0.048	5.010	0.005	6.007	0.003	7.008	0.004
Finger 15:	4.092	0.046	5.008	0.004	6.004	0.002	7.005	0.002
Finger 16:	4.095	0.048	5.007	0.004	6.006	0.003	7.006	0.003
Finger 17:	4.101	0.050	5.011	0.006	6.012	0.006	7.015	0.008
Finger 18:	4.094	0.047	5.008	0.004	6.003	0.002	7.008	0.004
Finger 19:	4.096	0.048	5.008	0.004	6.013	0.007	7.005	0.003
Finger 20:	4.101	0.050	5.011	0.005	6.009	0.005	7.007	0.003
Finger 21:	4.097	0.049	5.004	0.002	6.006	0.003	7.003	0.002
Finger 22:	4.096	0.048	5.009	0.005	6.011	0.006	7.008	0.004
Finger 23:	4.092	0.046	5.007	0.004	6.007	0.004	7.006	0.003
Finger 24:	4.096	0.048	5.013	0.006	6.015	0.007	7.013	0.006
Finger 25:	4.090	0.045	5.005	0.003	6.005	0.003	7.008	0.004
Finger 26:	4.102	0.051	5.008	0.004	6.009	0.005	7.005	0.003
Finger 27:	4.096	0.048	5.010	0.005	6.004	0.002	7.007	0.004
Finger 28:	4.093	0.046	5.006	0.003	6.007	0.004	7.007	0.004
Finger 29:	4.095	0.047	5.003	0.002	6.001	0.001	7.004	0.002
Finger 30:	4.098	0.049	5.012	0.006	6.011	0.005	7.006	0.003
Finger 31:	4.096	0.048	5.004	0.002	6.003	0.001	7.000	-0.000
Finger 32:	4.096	0.048	5.010	0.005	6.007	0.004	7.010	0.005
Finger 33:	4.101	0.050	5.003	0.002	6.008	0.004	7.006	0.003
Finger 34:	4.092	0.046	4.995	-0.003	6.004	0.002	6.996	-0.002
Finger 35:	4.090	0.045	5.002	0.001	6.003	0.001	7.002	0.001
Finger 36:	4.089	0.044	5.000	0.000	6.002	0.001	7.001	0.001
Finger 37:	4.095	0.047	5.010	0.005	6.007	0.003	7.009	0.005
Finger 38:	4.113	0.057	5.016	0.008	6.017	0.009	7.016	0.008
Finger 39:	4.098	0.049	5.029	0.014	6.016	0.008	7.012	0.006
Finger 40:	4.096	0.048	5.005	0.002	6.005	0.003	7.009	0.004
Average:	4.096	0.048	5.007	0.004	6.007	0.004	7.006	0.003

Segmented Cement Bond Log Calibration Report

Serial Number:	1063
Tool Model:	UW_RBT_004
Calibration Casing Diameter:	7.000 in
Calibration Depth:	18.000 ft

Master Calibration, performed Fri Jan 09 12:45:44 2015:							
	Raw (v)		Calibrated (mv)		Results		
	Zero	Cal	Zero	Cal	Gain	Offset	
3FT	-0.004	0.657	0.800	62.165	92.963	1.134	
5FT	-0.006	0.699	0.800	62.165	86.978	1.331	
S1	-0.004	0.647	0.000	100.000	153.659	0.608	
S2	-0.005	0.671	0.000	100.000	148.068	0.696	
S3	-0.004	0.674	0.000	100.000	147.583	0.540	
S4	-0.005	0.683	0.000	100.000	145.377	0.685	
S5	-0.004	0.668	0.000	100.000	148.835	0.545	
S6	-0.004	0.659	0.000	100.000	150.796	0.558	
S7	-0.004	0.654	0.000	100.000	152.101	0.557	
S8	-0.003	0.633	0.000	100.000	157.173	0.541	

Gamma Ray Calibration Report		
Serial Number:	10024555	
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 and Gas Onshore LP
	Well	Gee 26C-12HZ
	Field	Wattenberg
	County	Weld
	State	Colorado