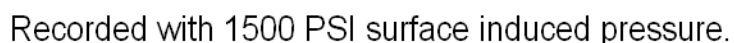


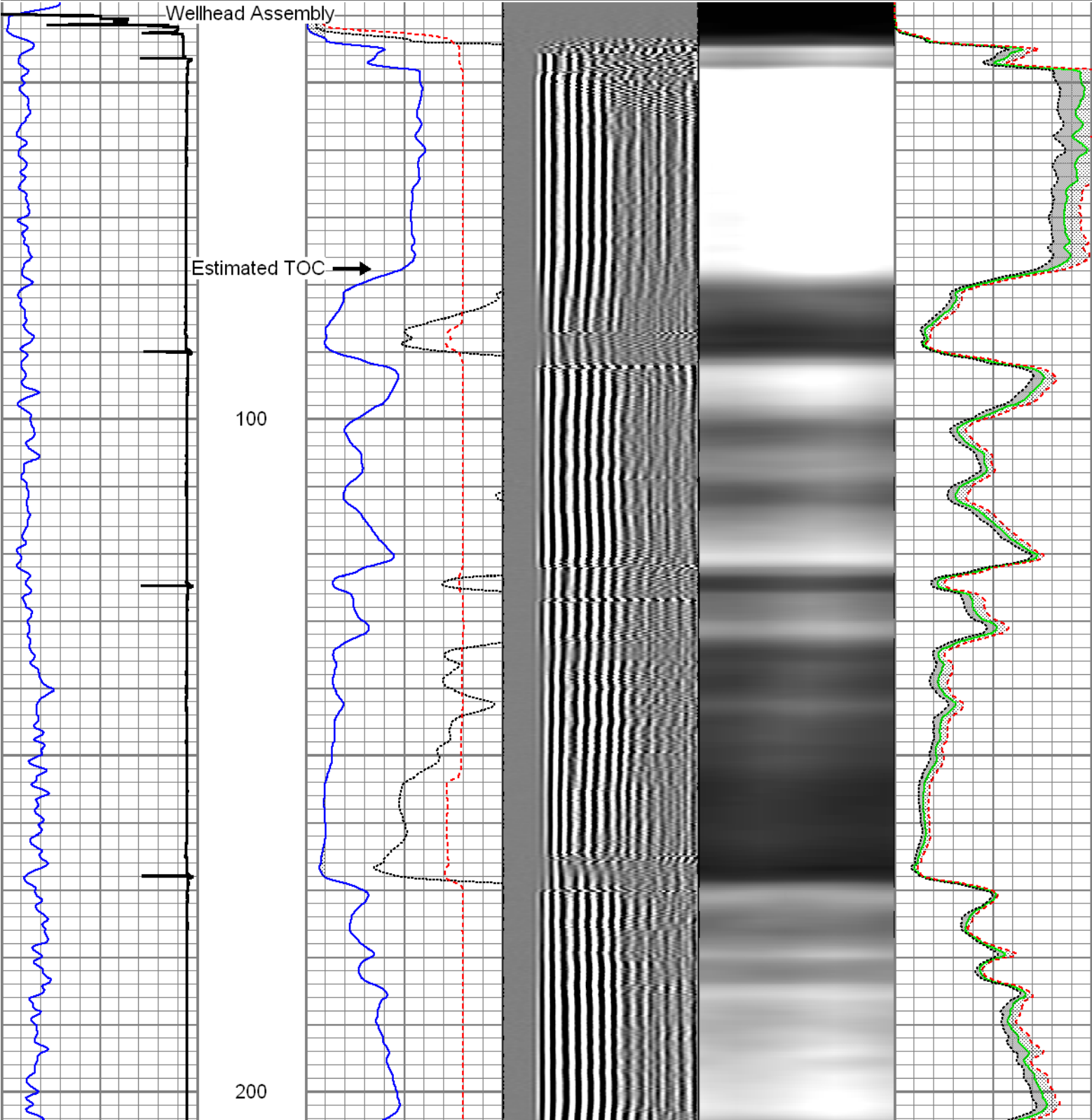


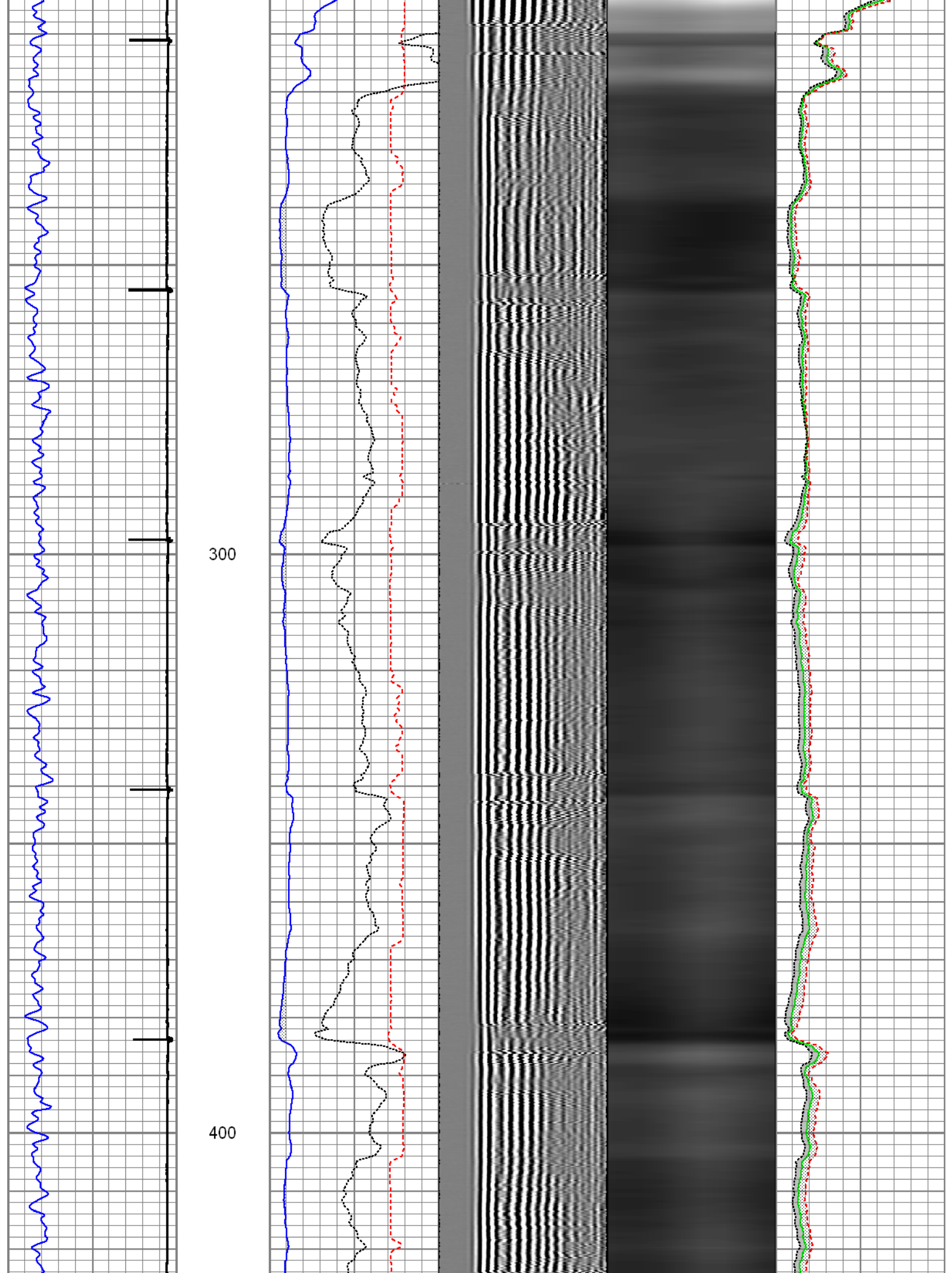
<<< Fold Here >>>
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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 reference to Casing Tally reported Liner Top at 4957 FT. Adjusted log +23 FT from KB zero to correlate with Liner Top. Log ran from just below liner top to surface. Log ran with 1500 PSI surface induced pressure. Thank you for choosing FMC Technologies Completion Services, Inc.!!

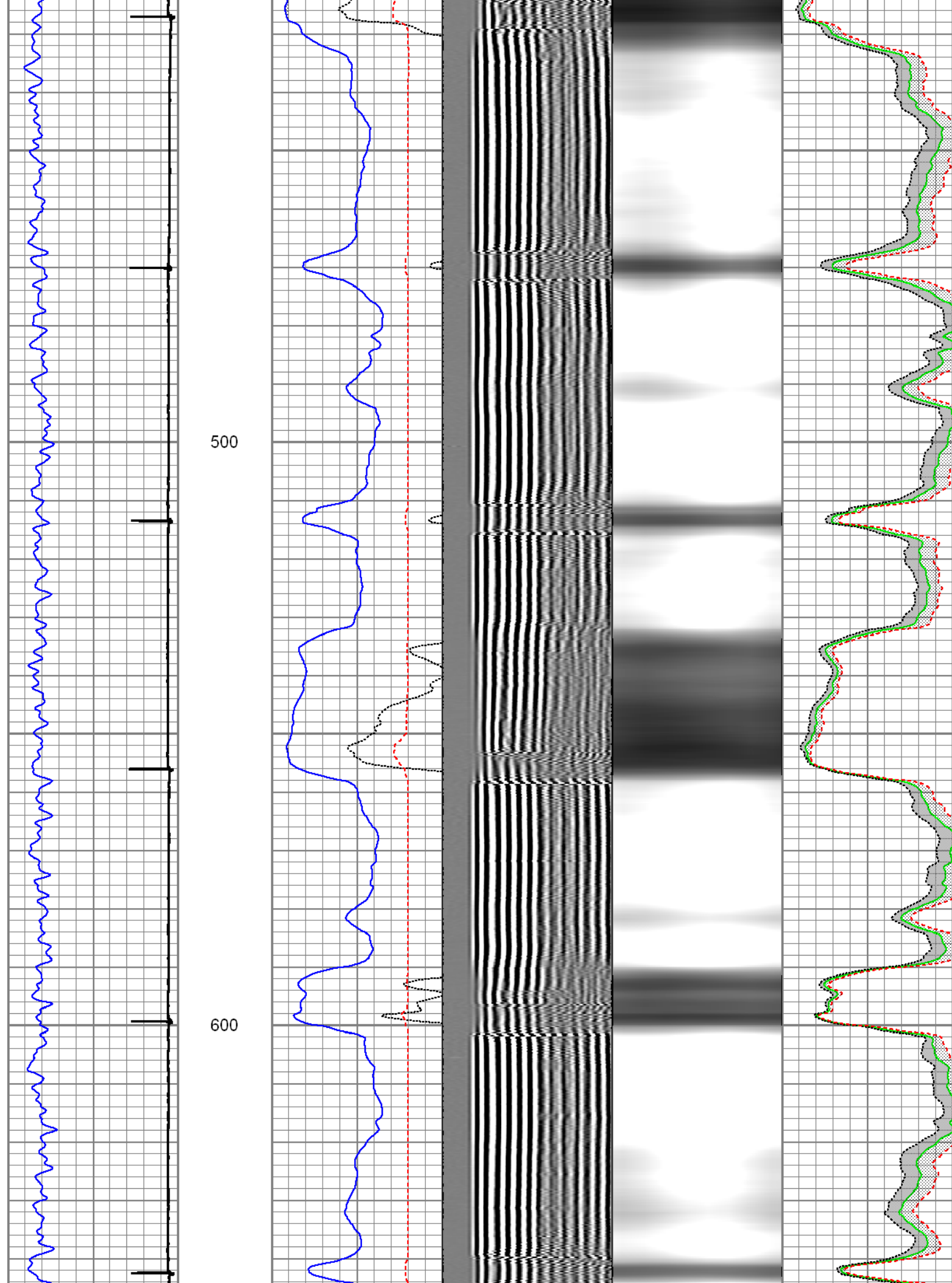


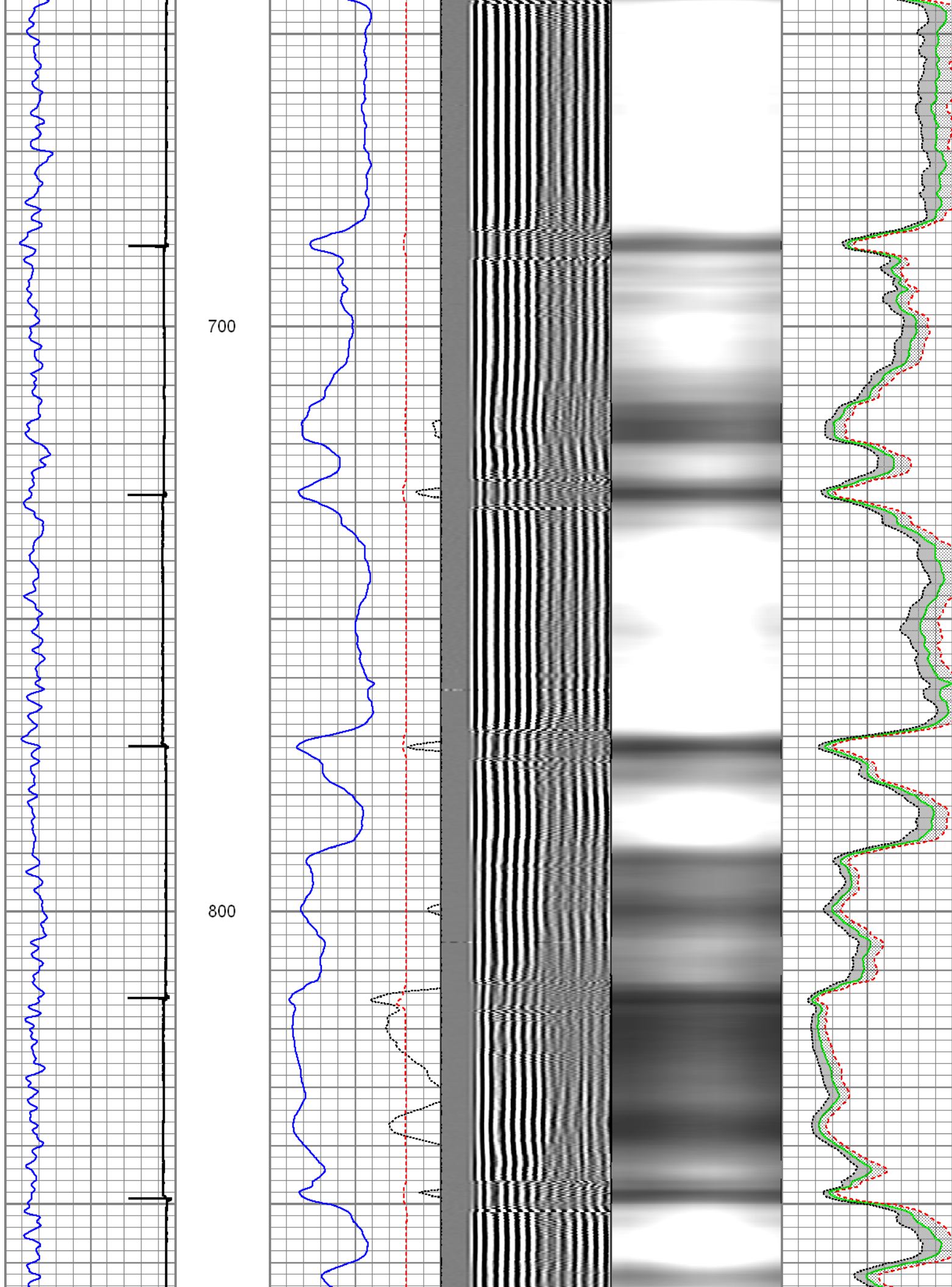
Database File: 07-11-14_whiting_razor federal 26l-2301a_mit_rbl.db
Dataset Pathname: pass4
Presentation Format: rbt4_mit
Dataset Creation: Fri Jul 11 14:05:20 2014 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

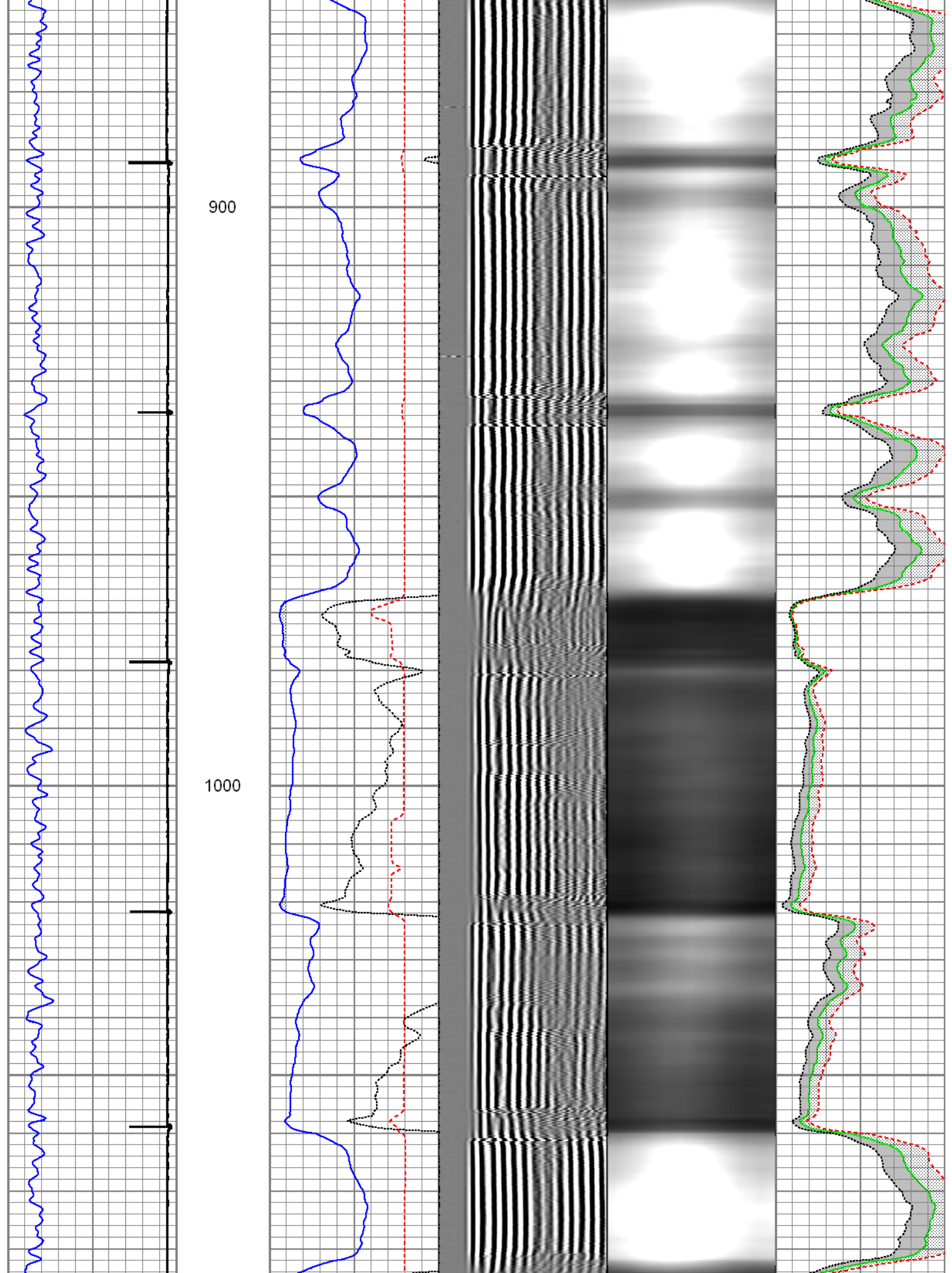
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
	0 (mV) 20			0 100
	3' Travel Time			Maximum Amplitude
	650 (usec) 150			0 100

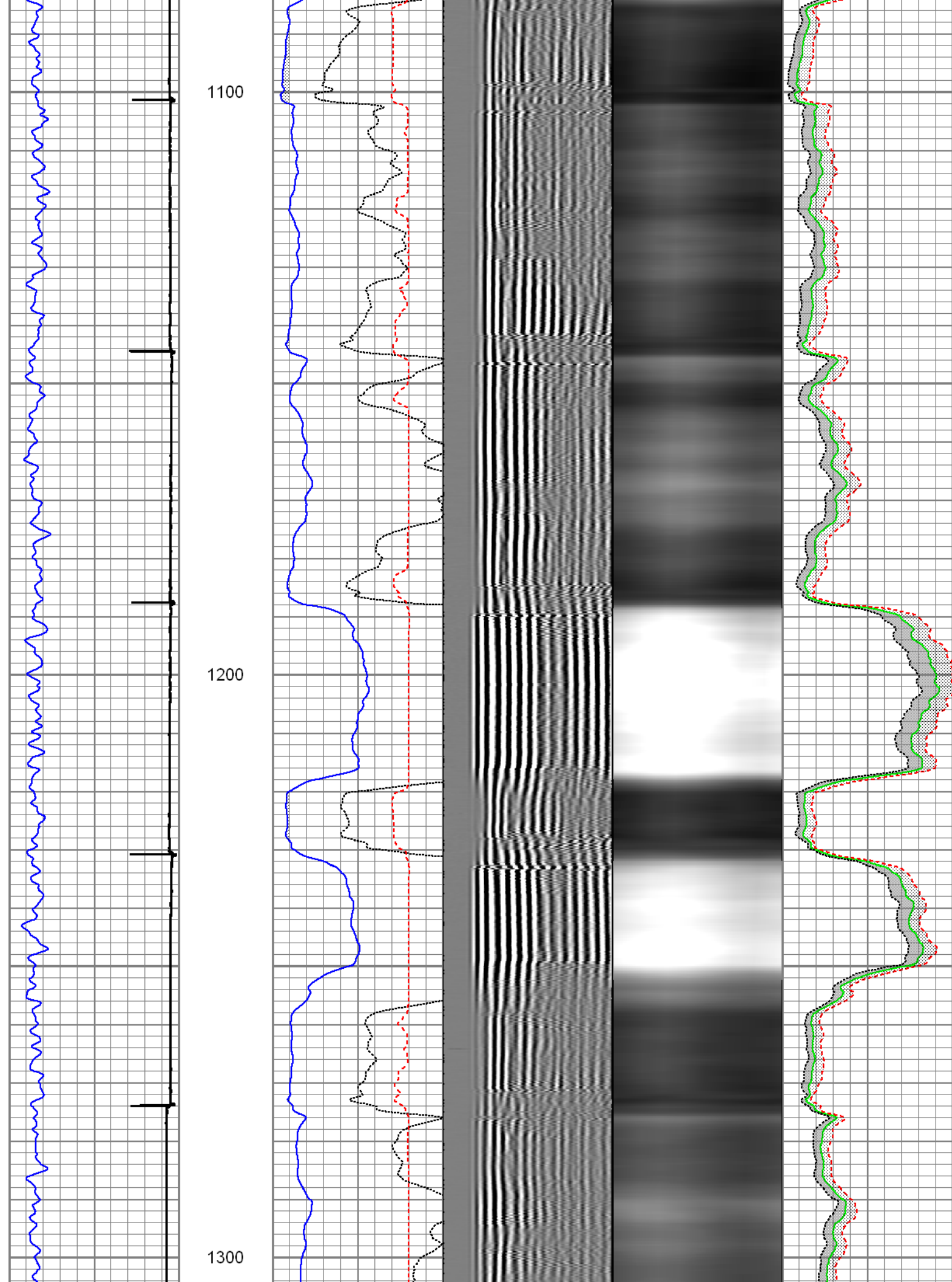


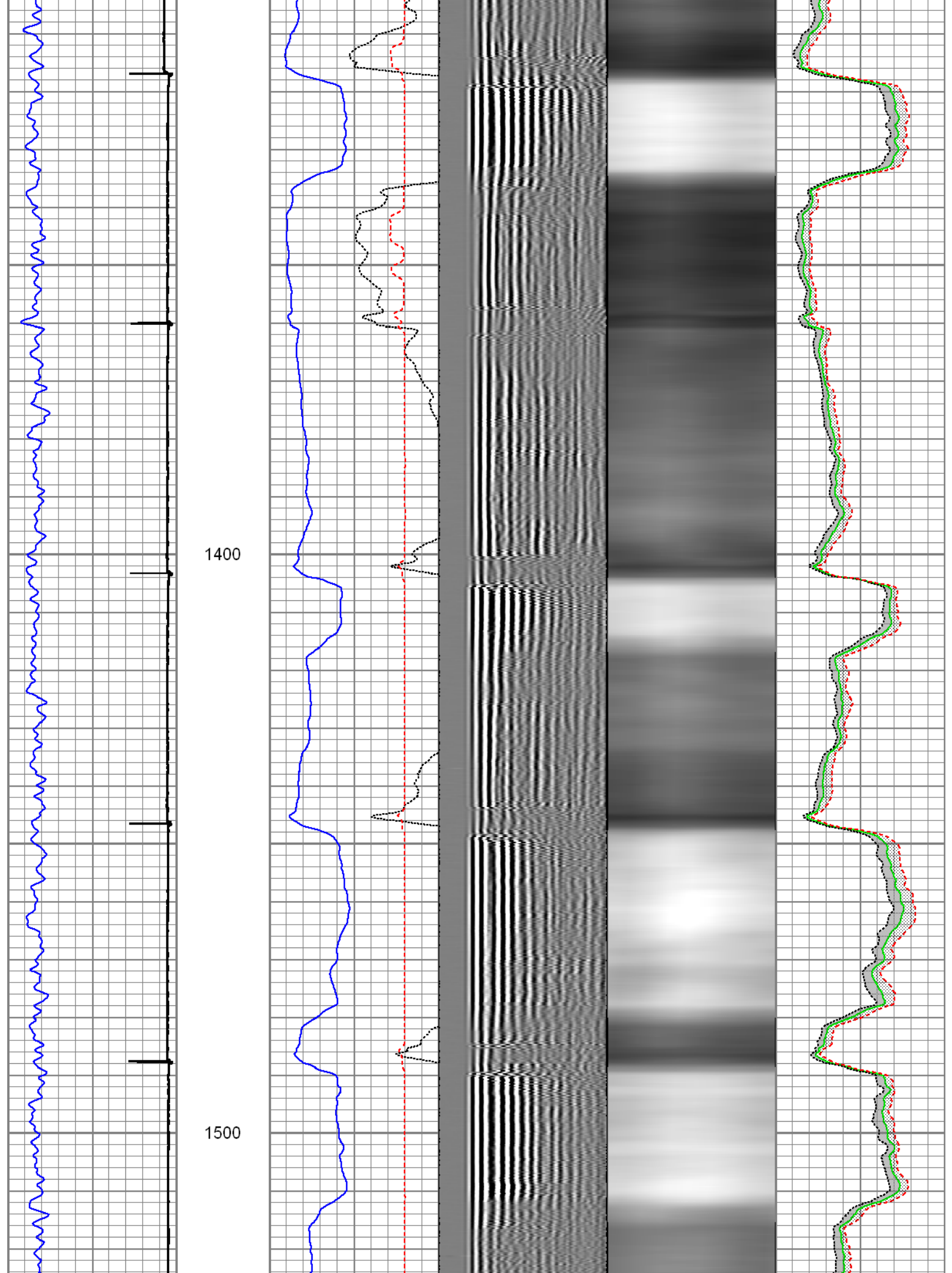


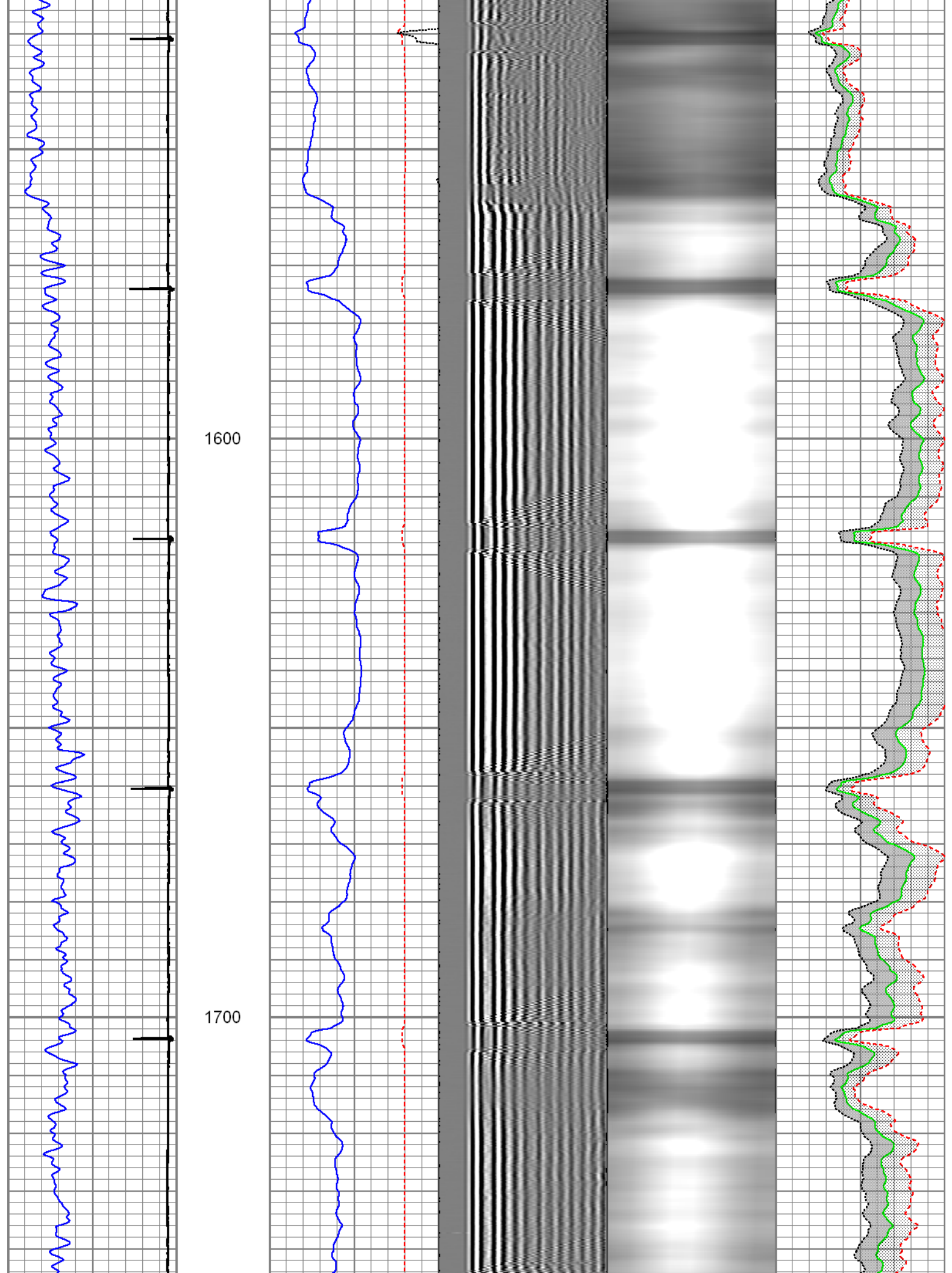


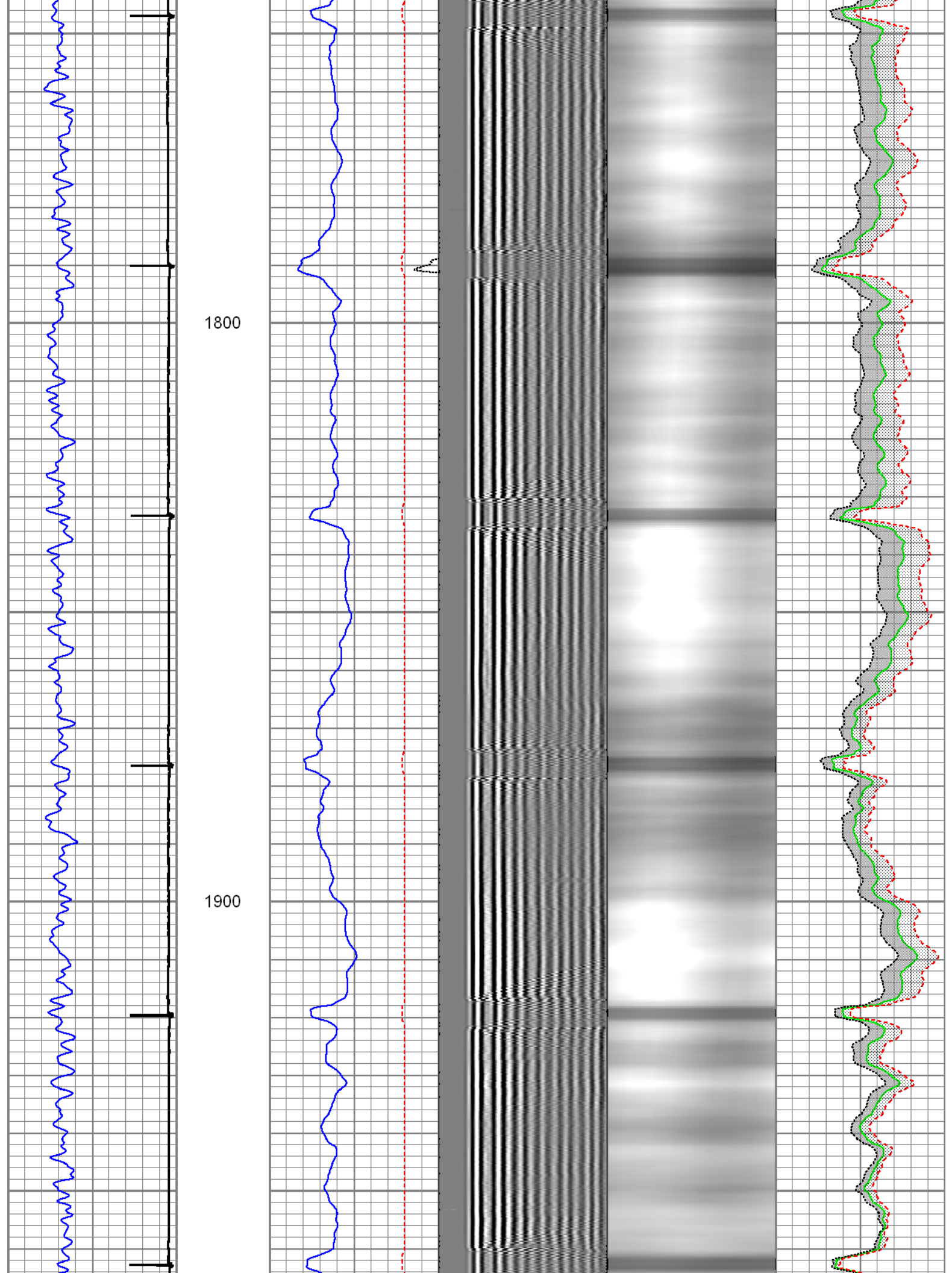






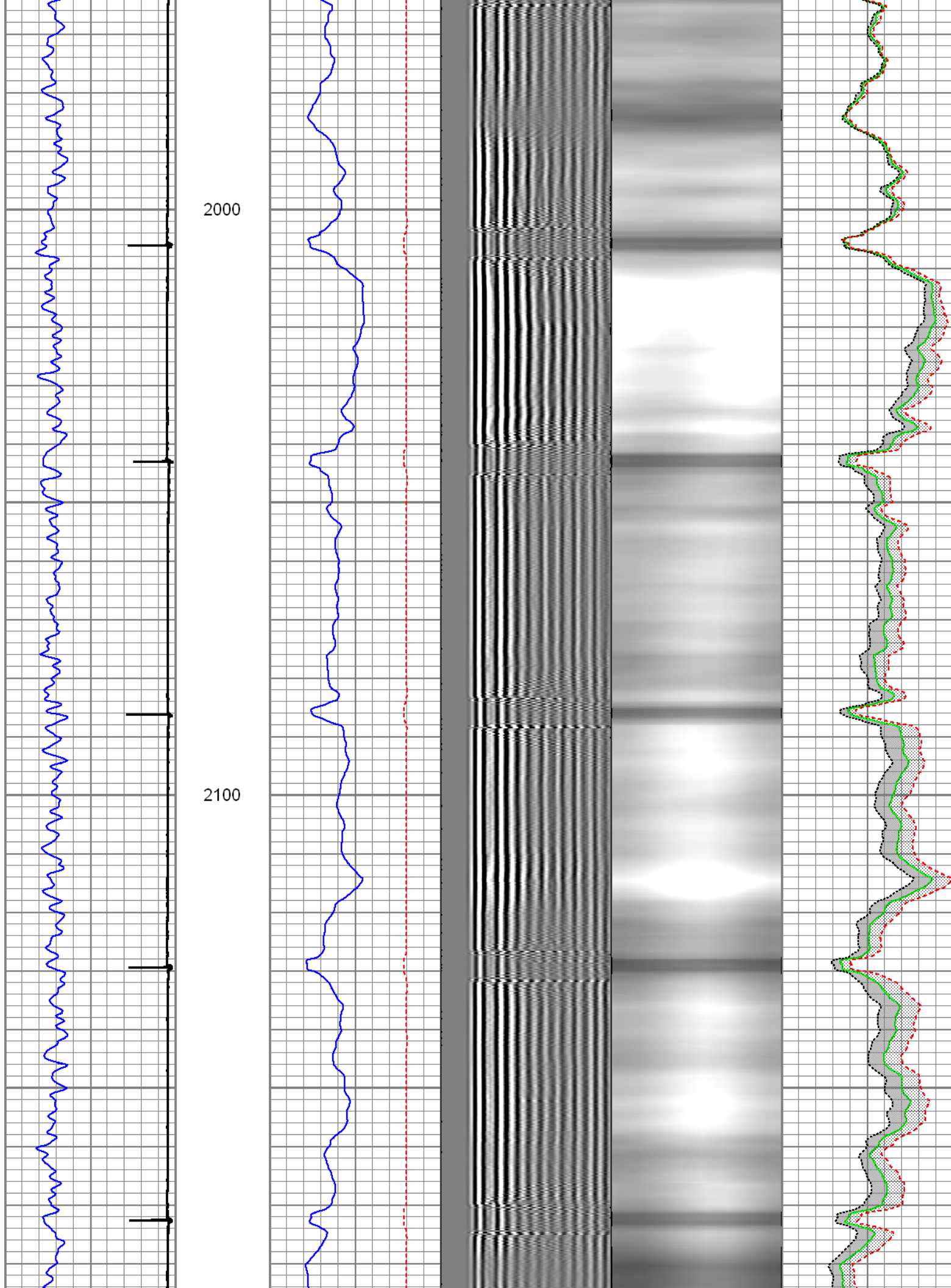






2000

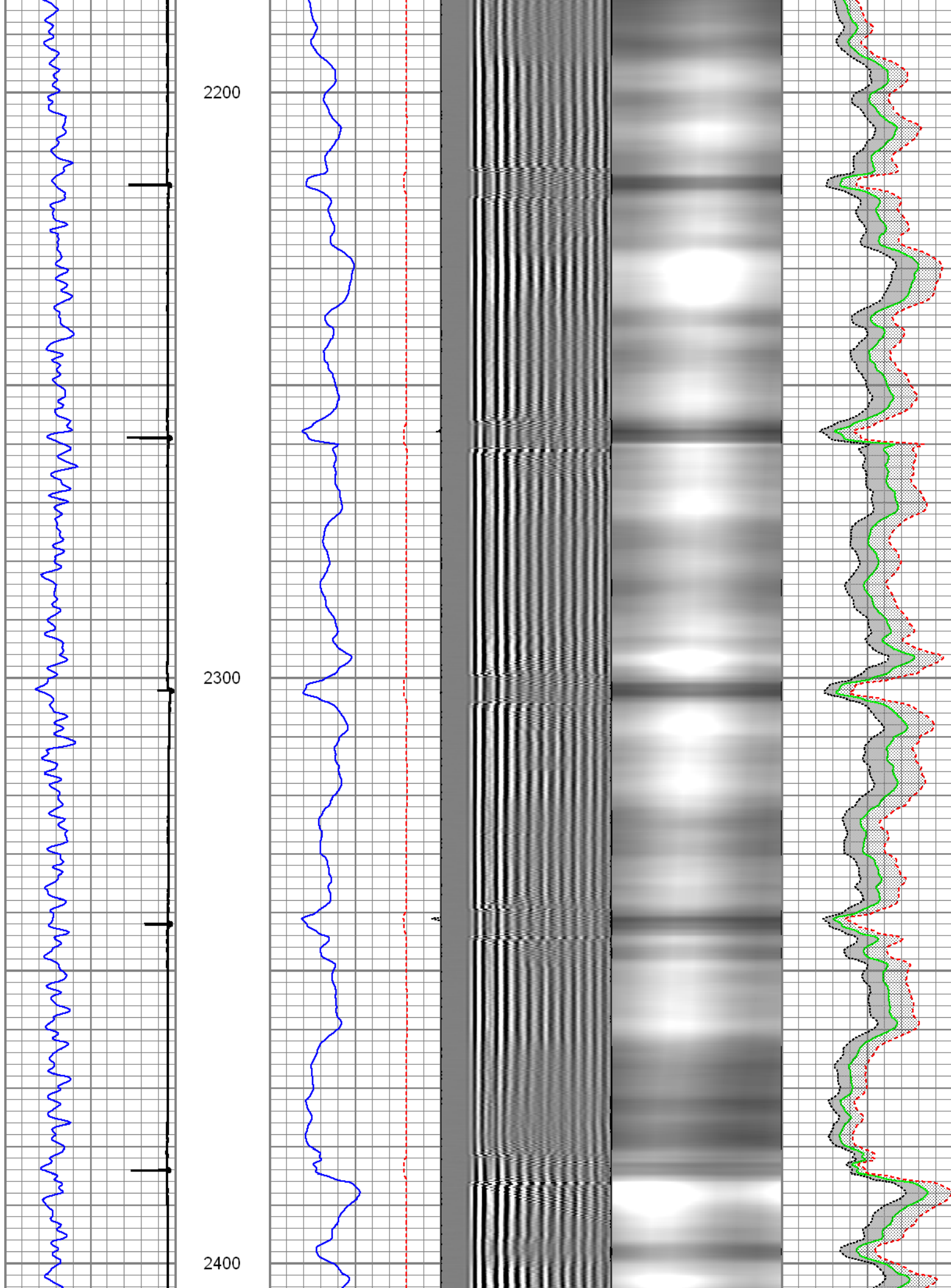
2100

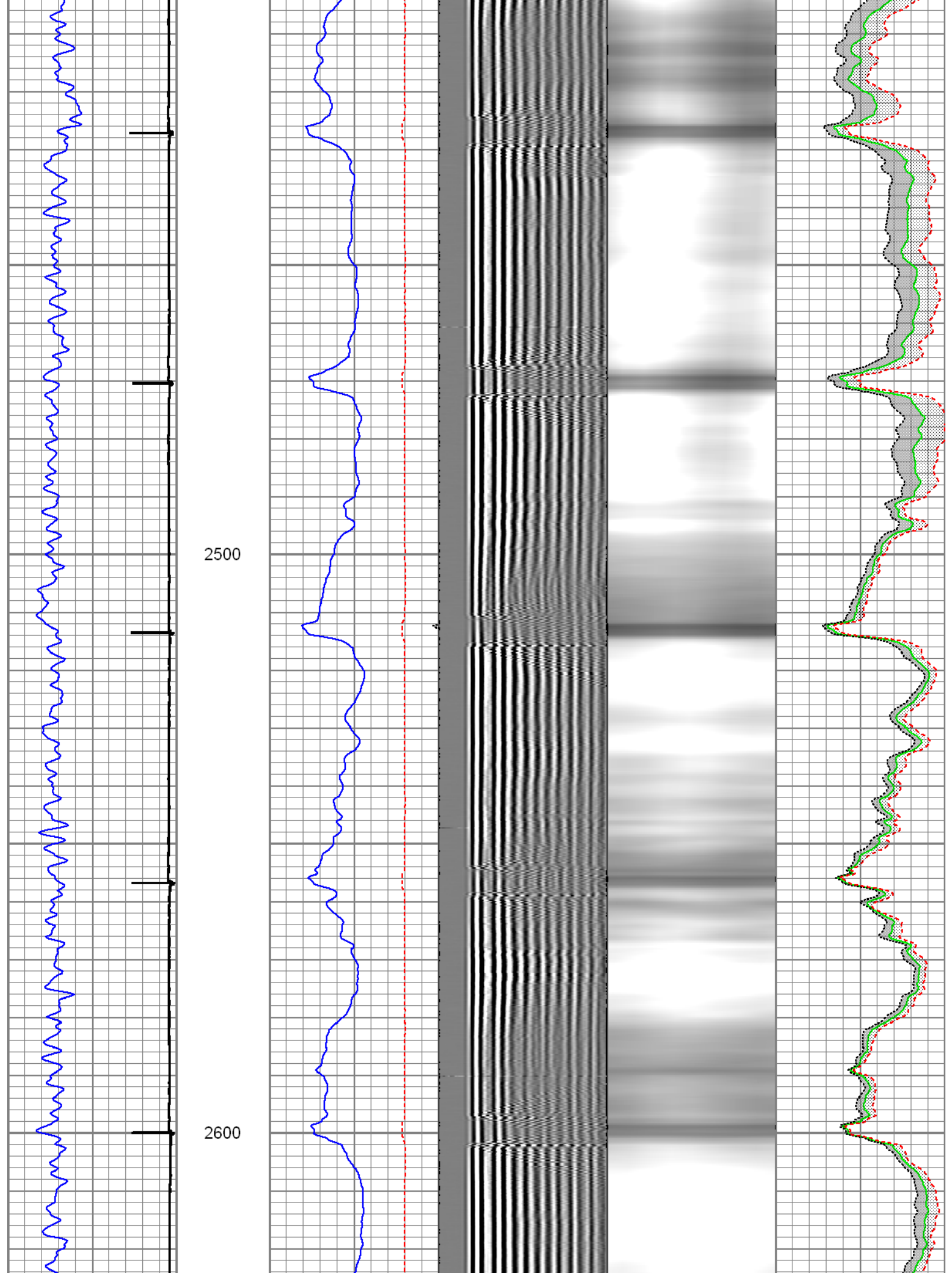


2200

2300

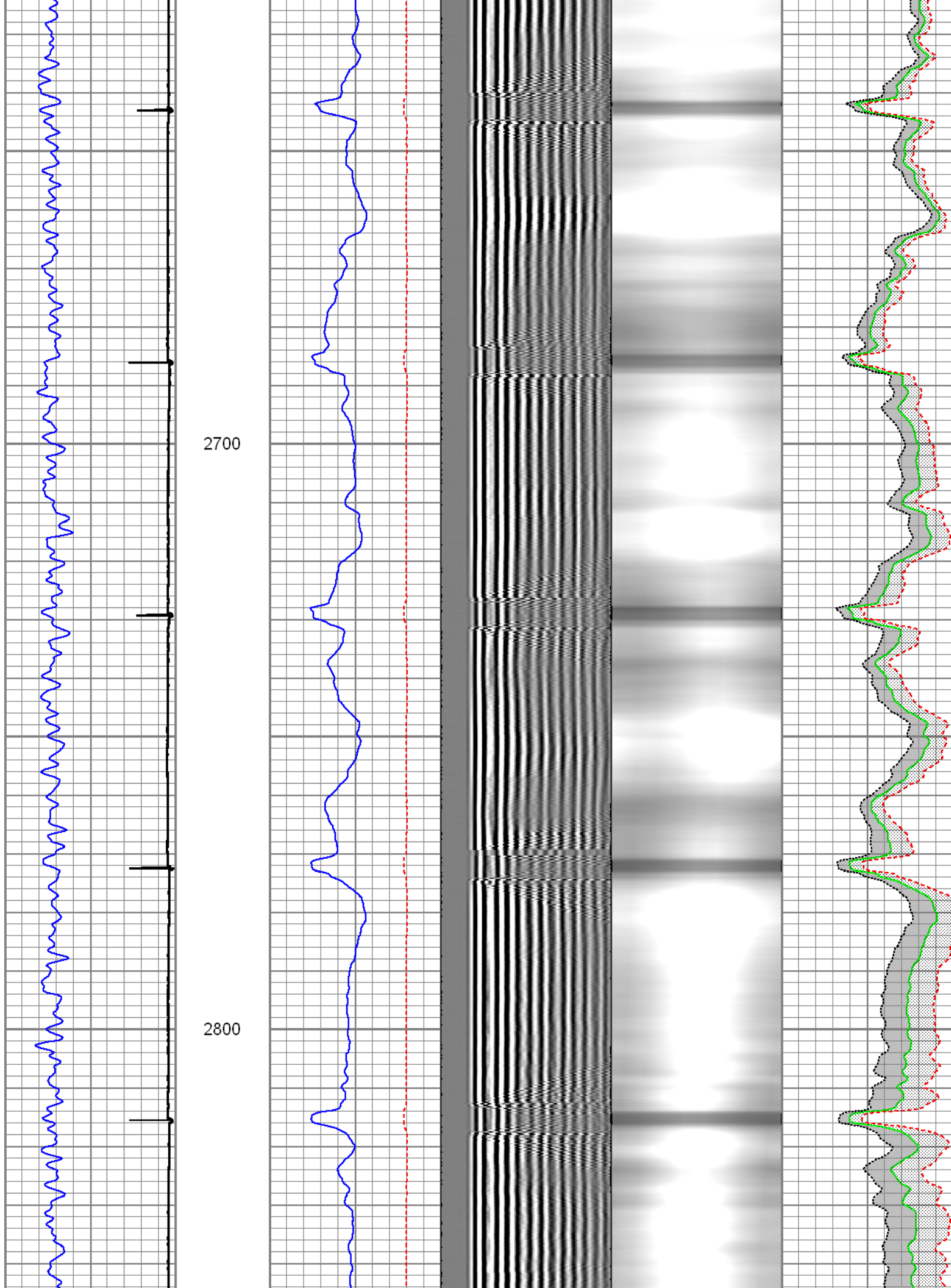
2400

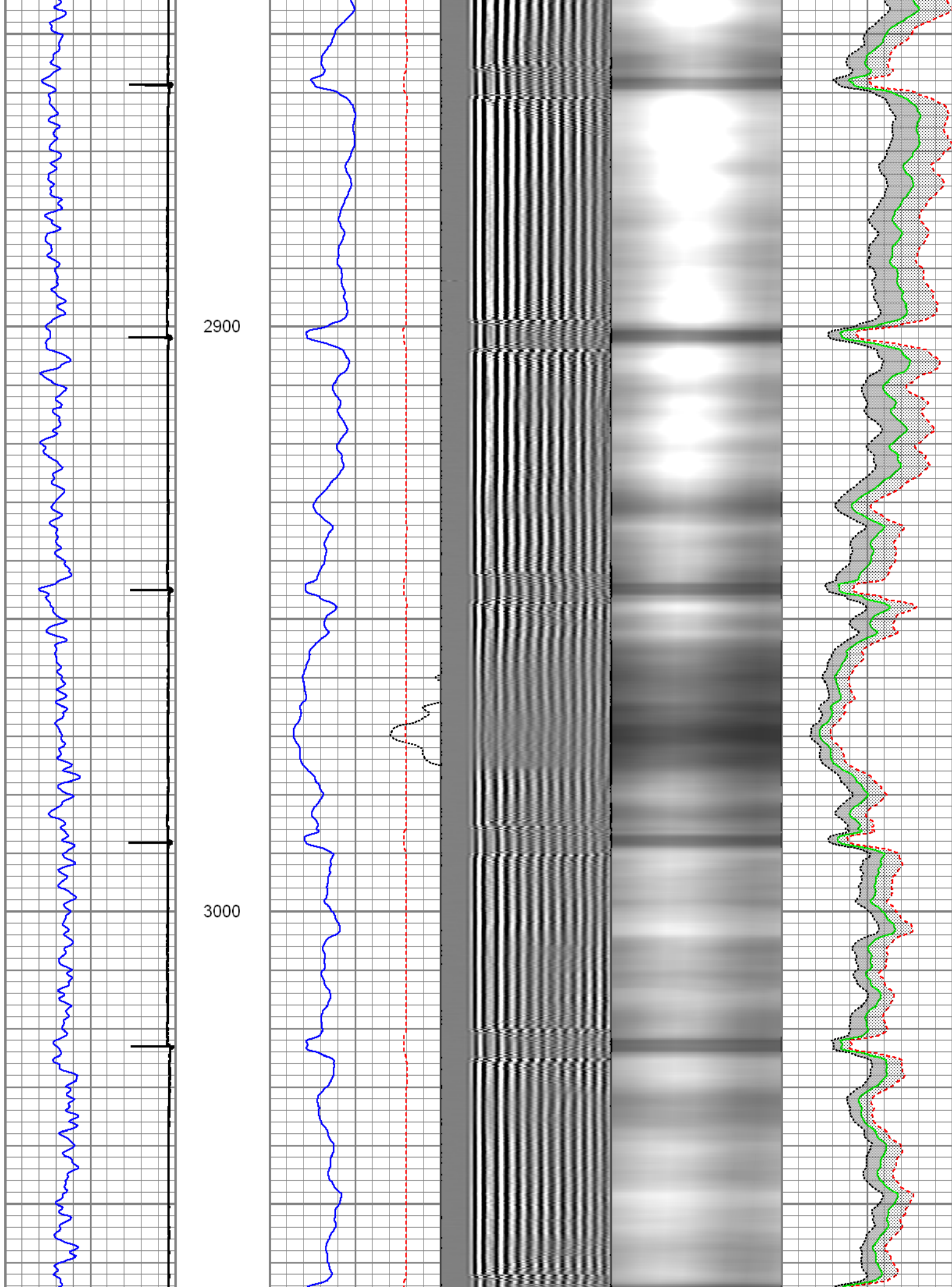




2700

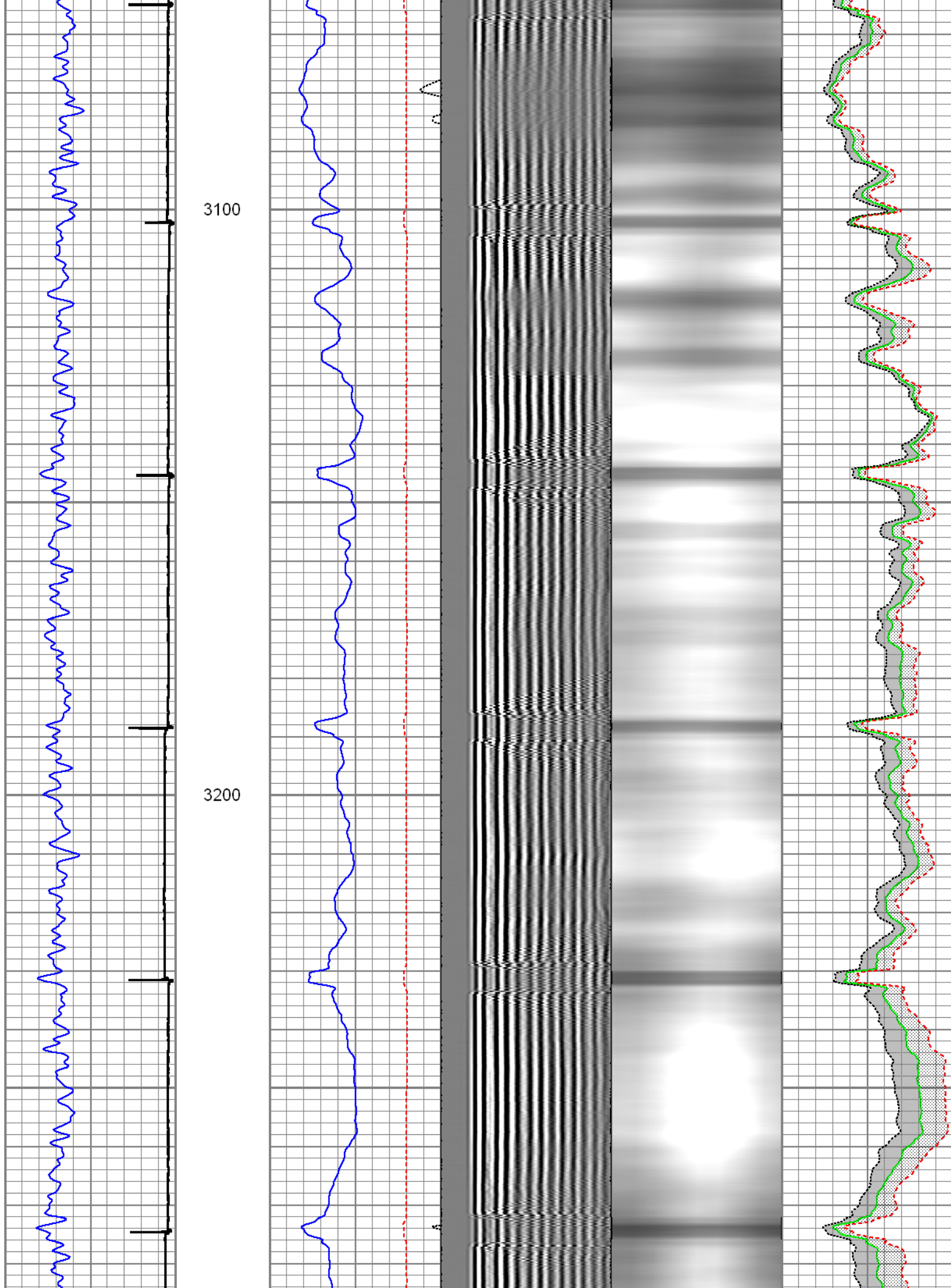
2800





3100

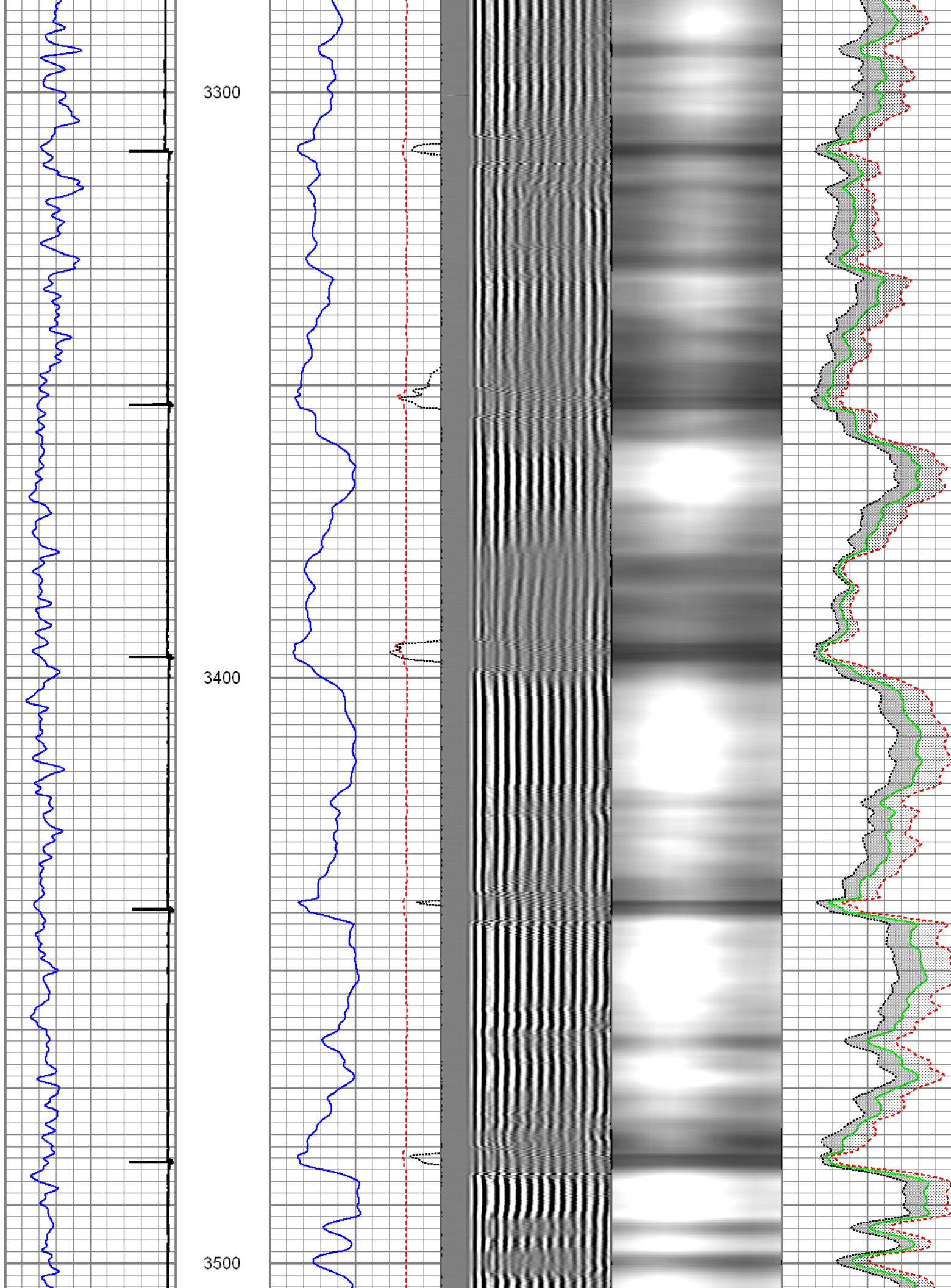
3200

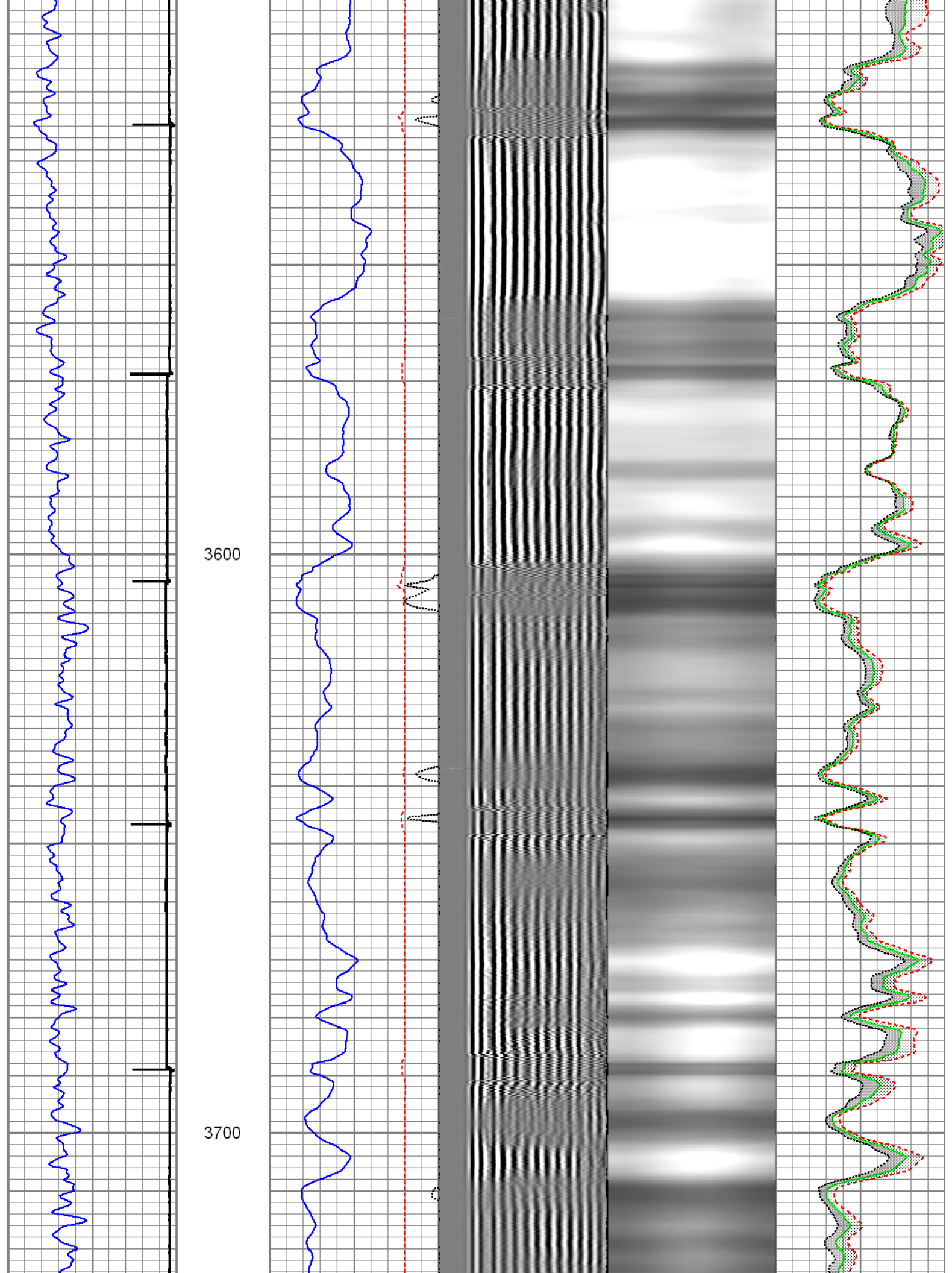


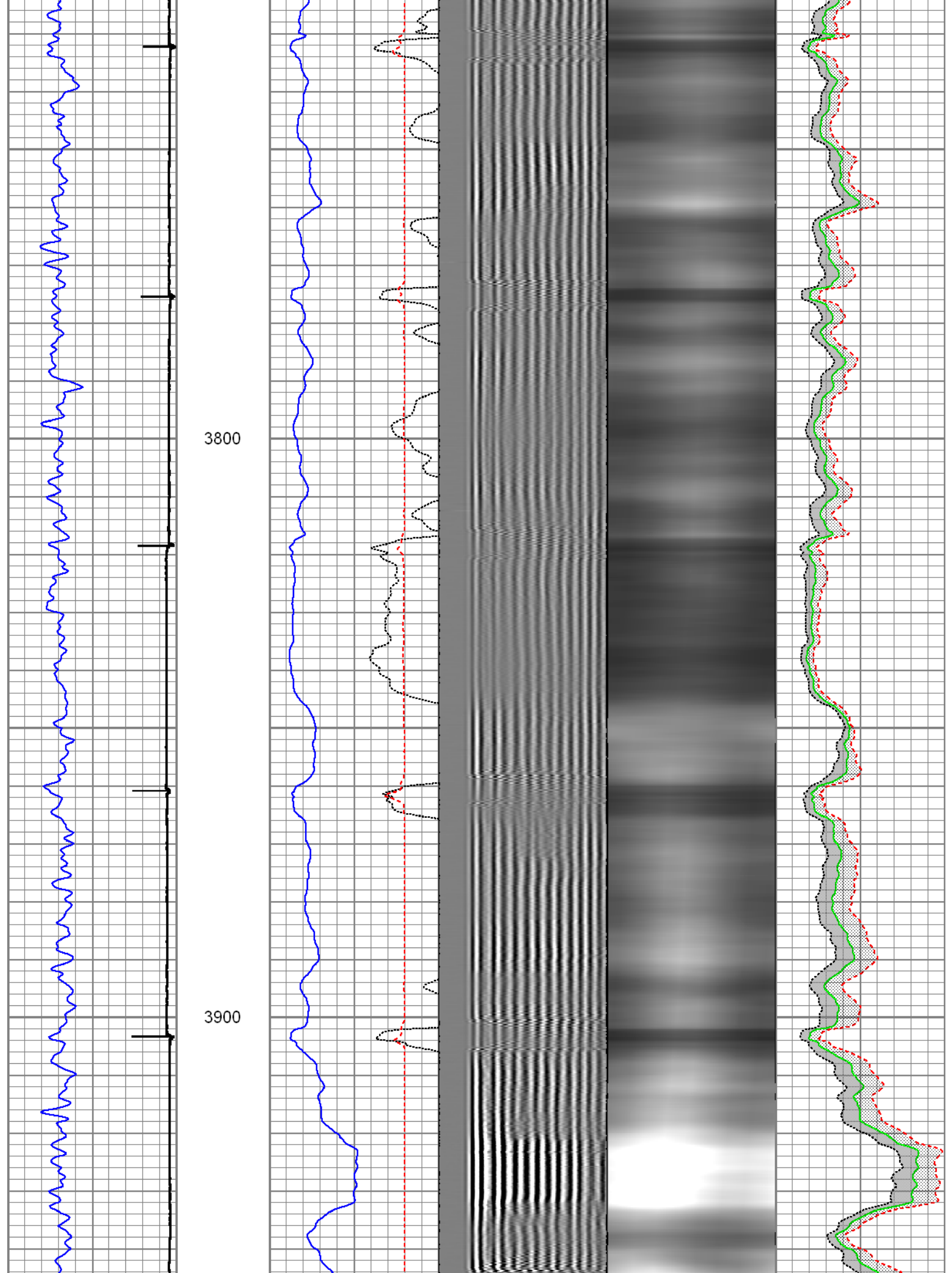
3300

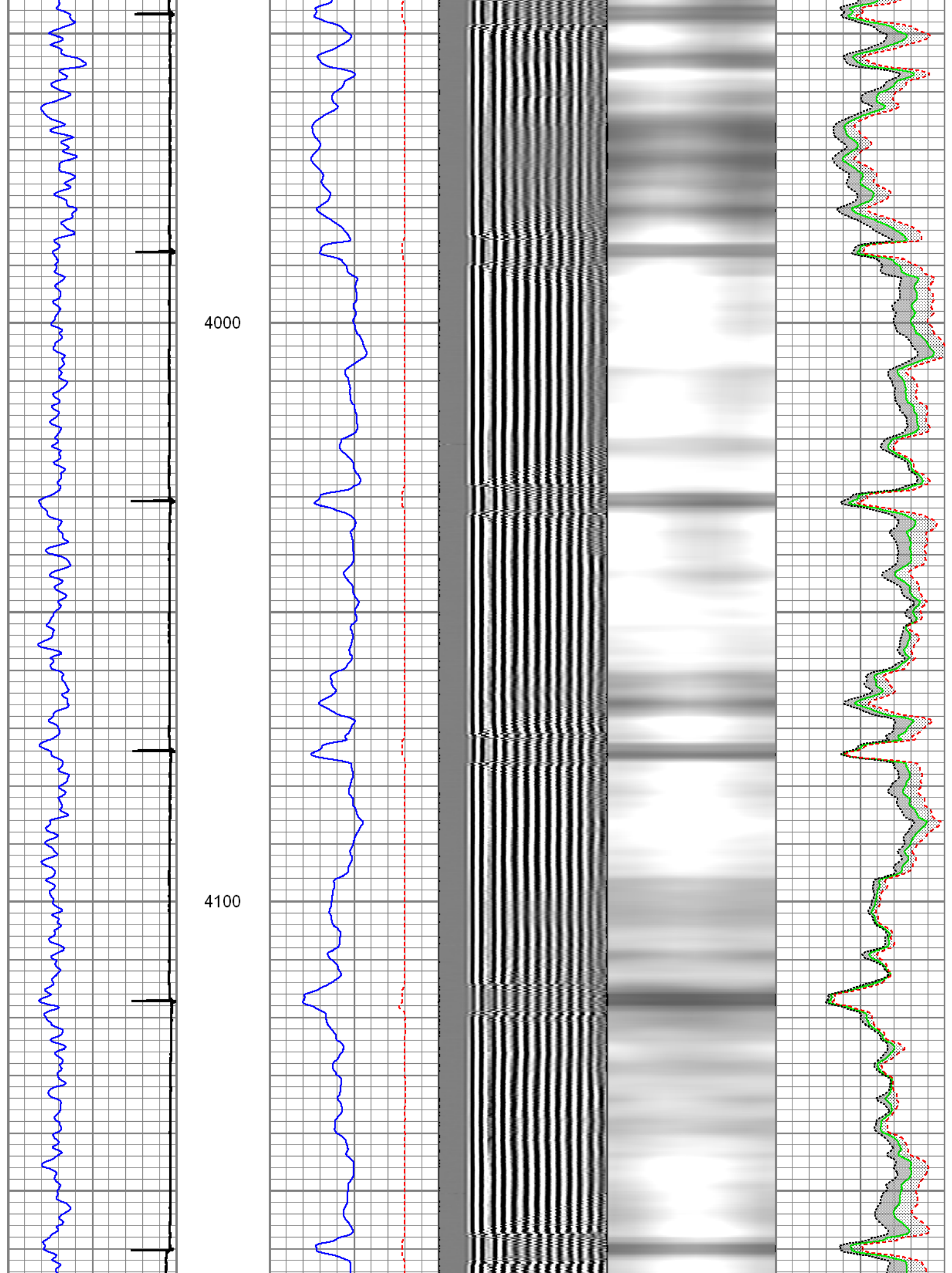
3400

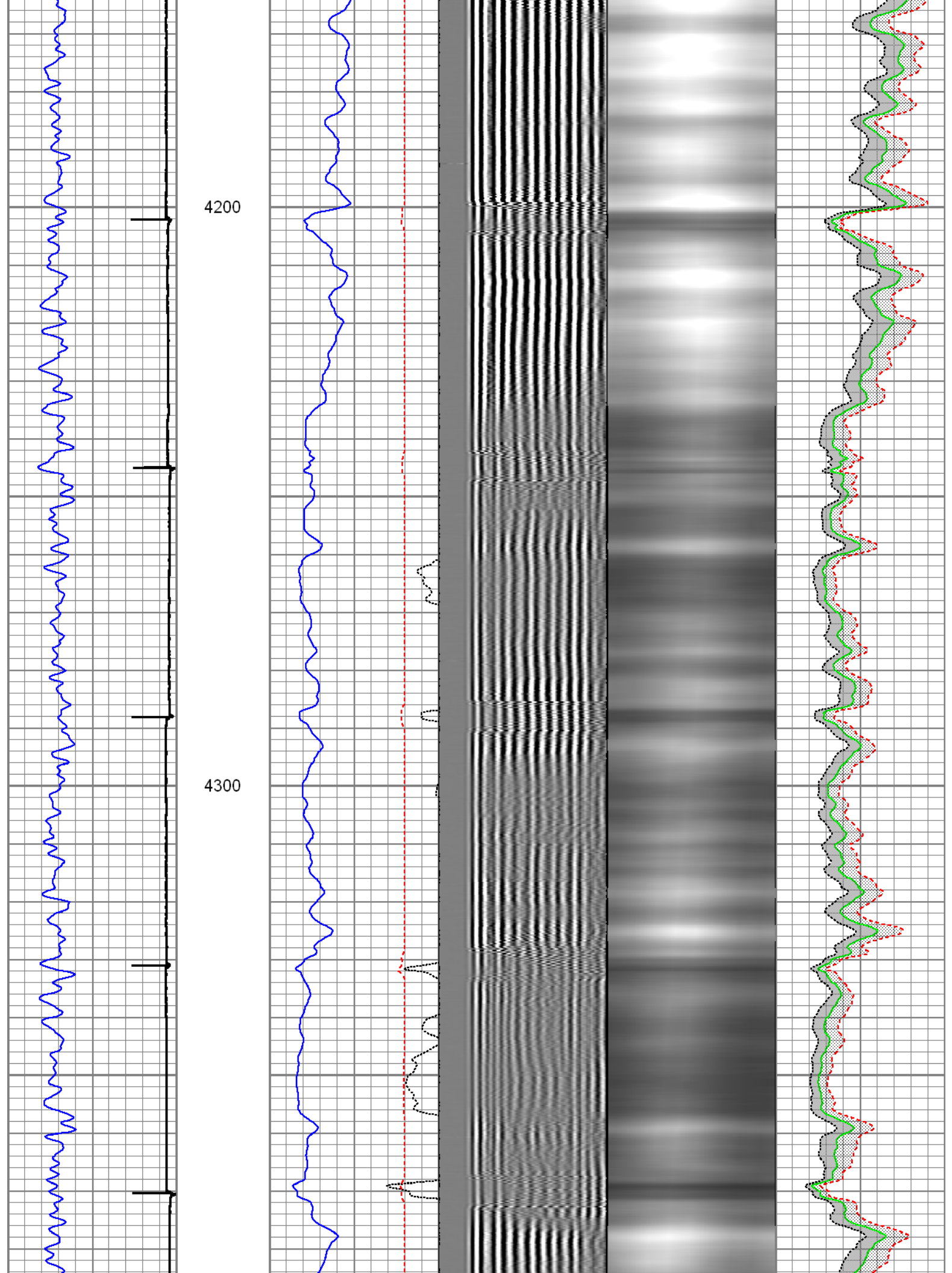
3500







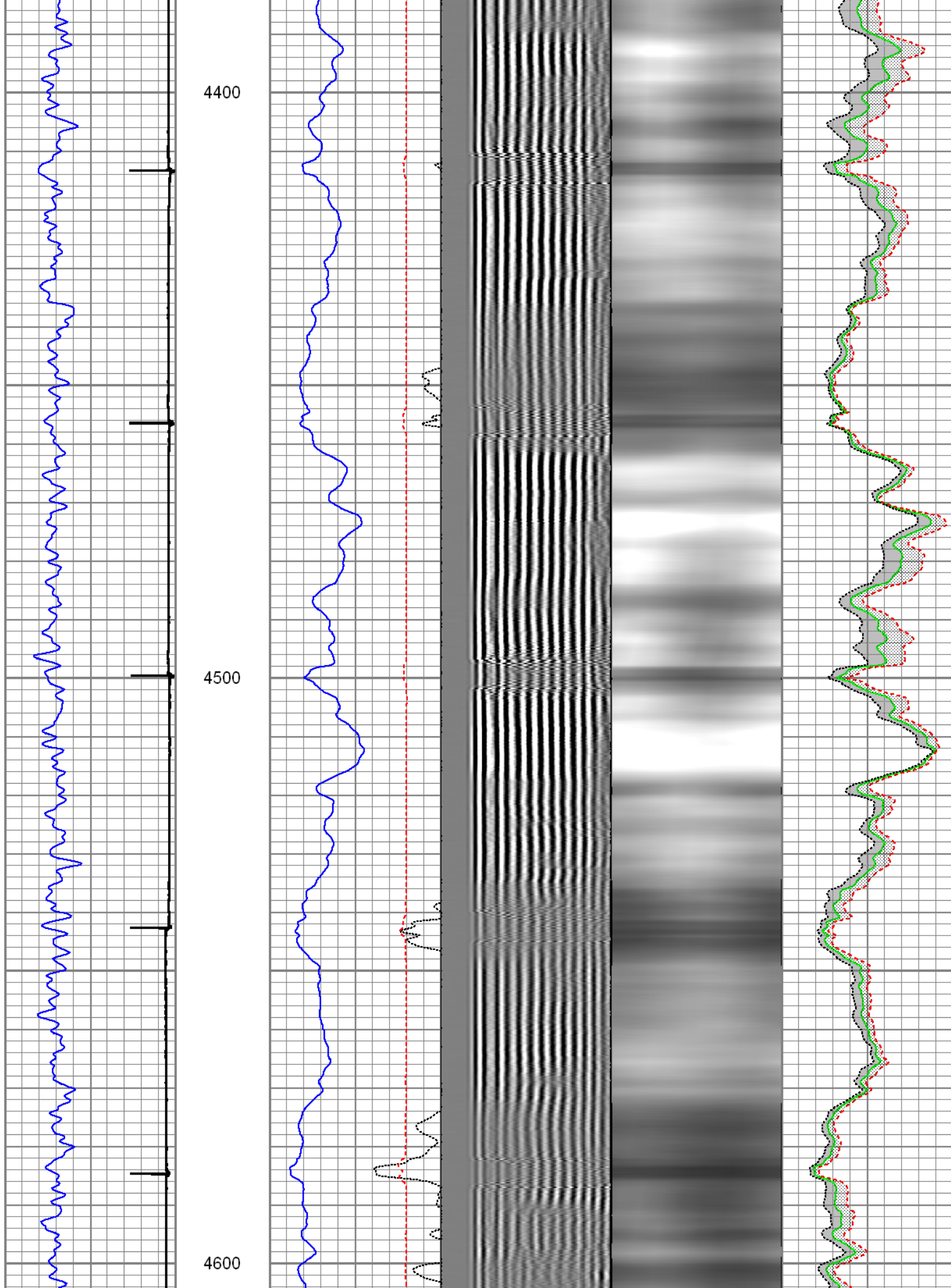


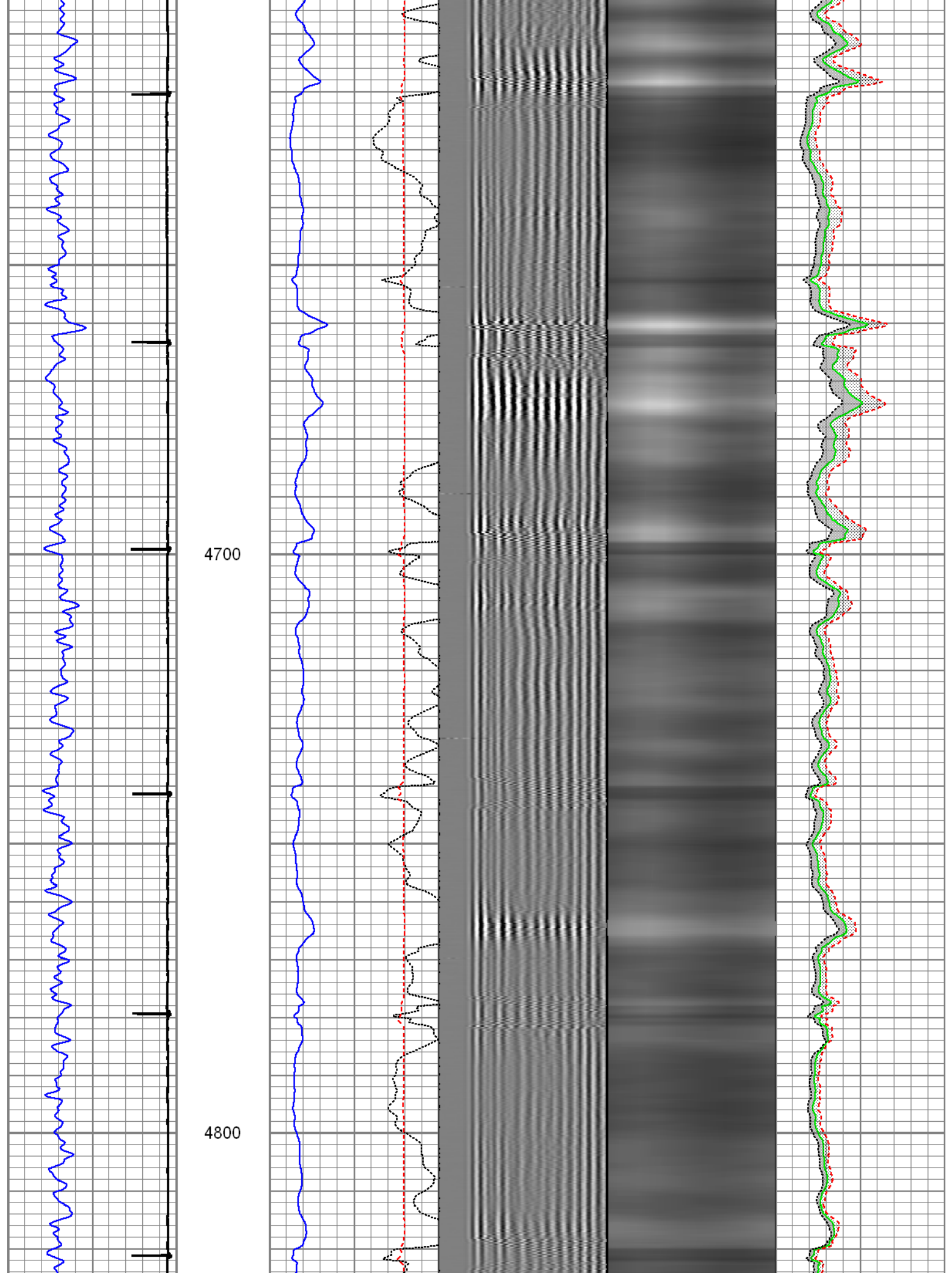


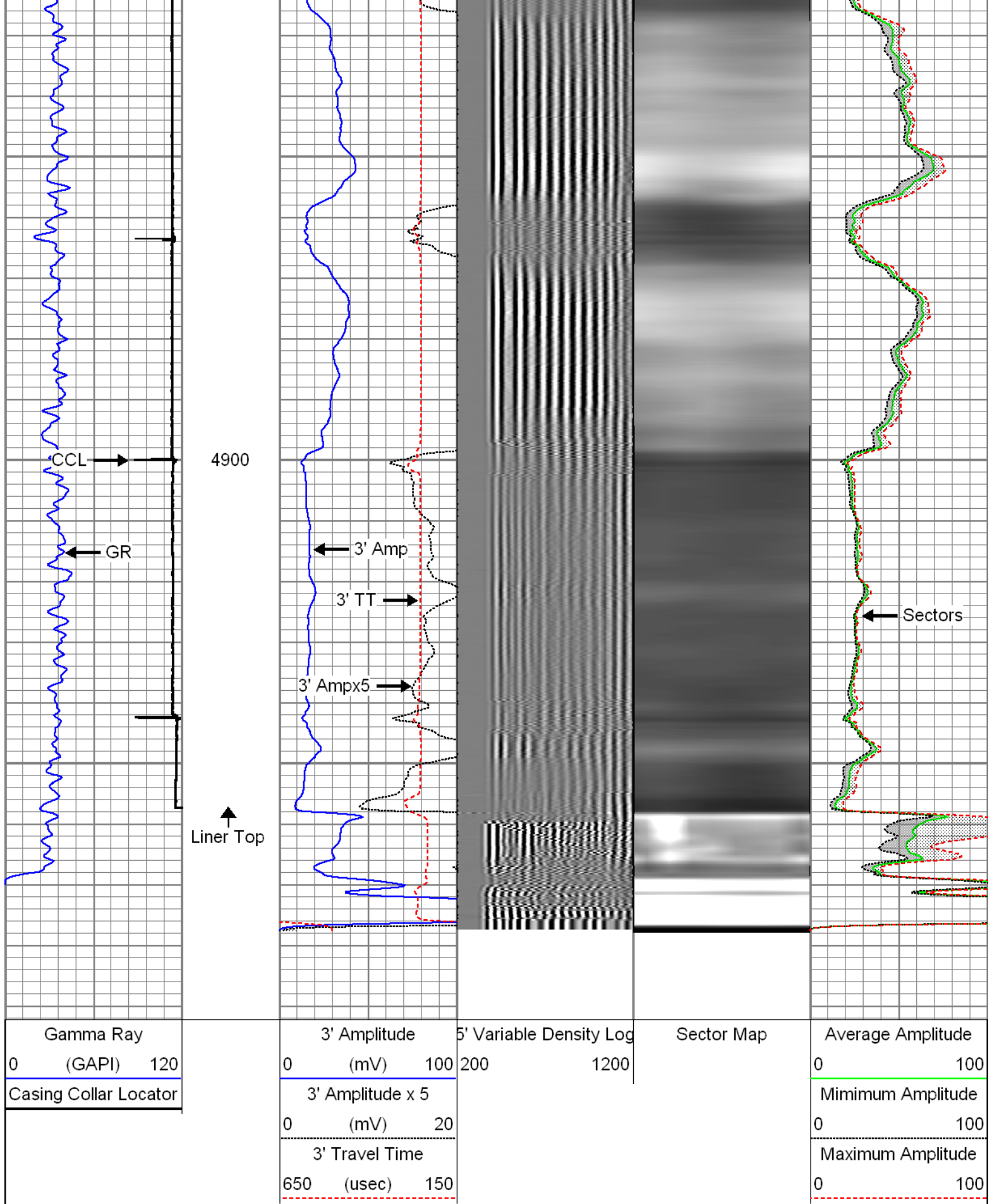
4400

4500

4600

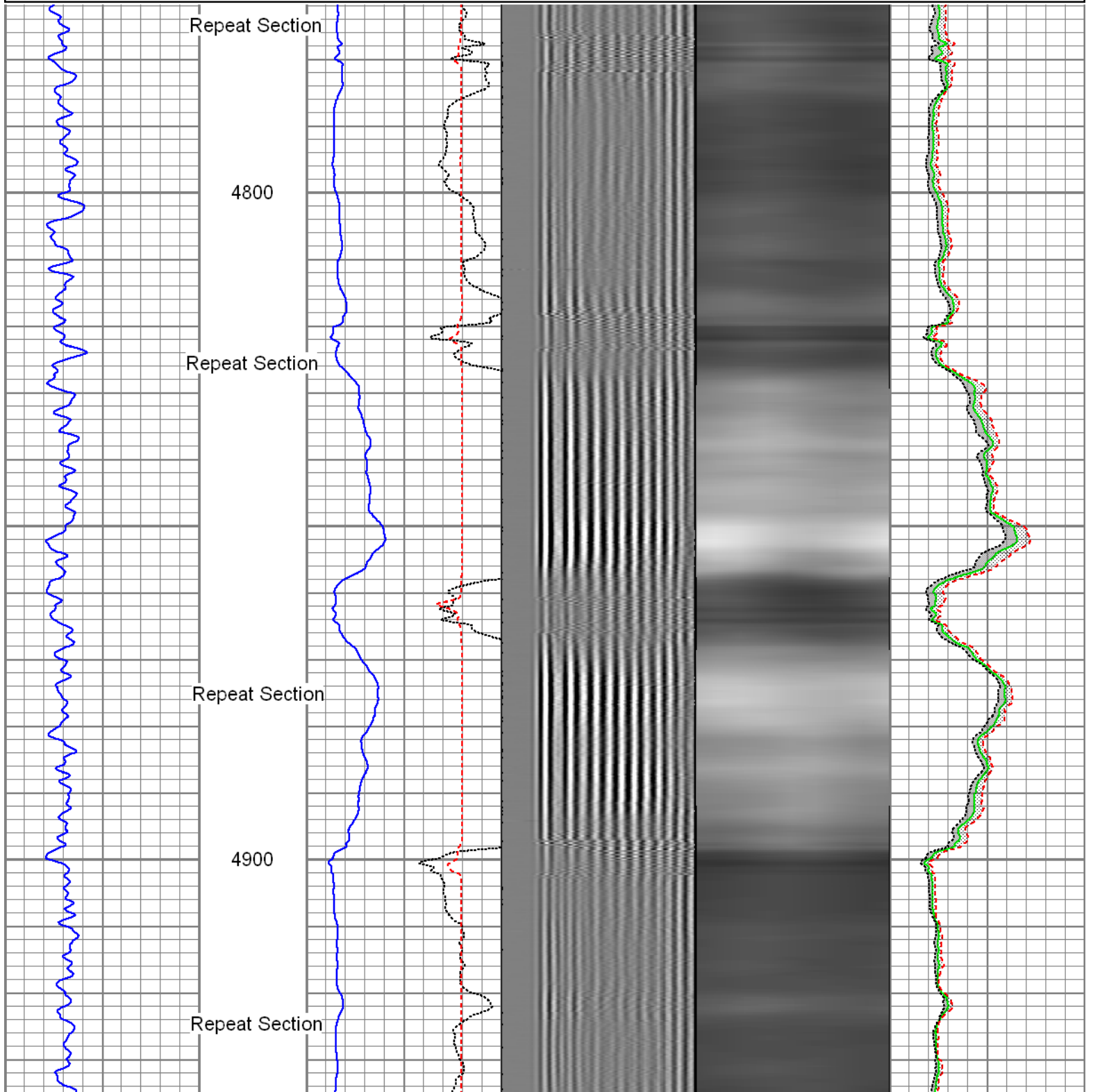


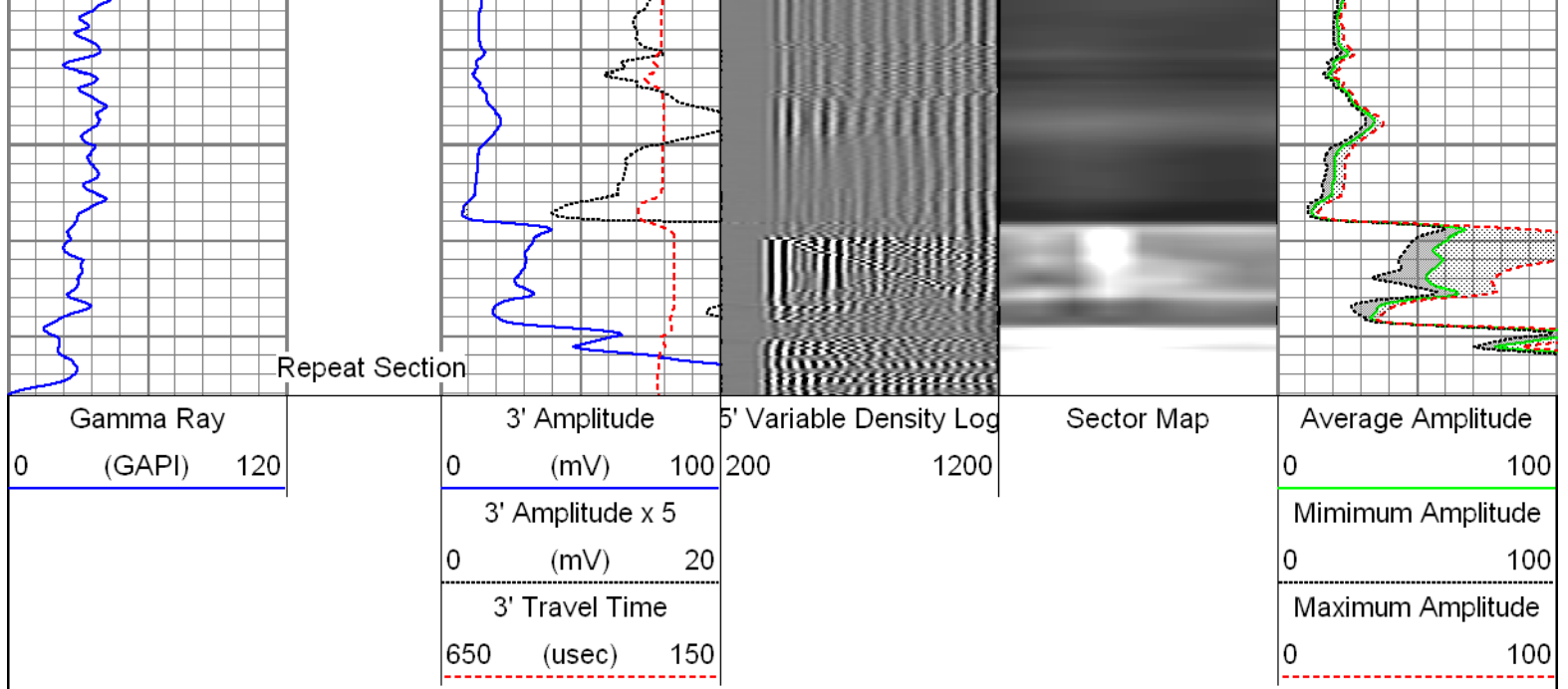


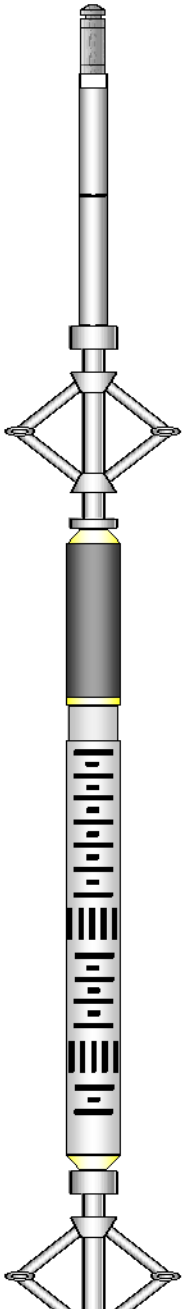
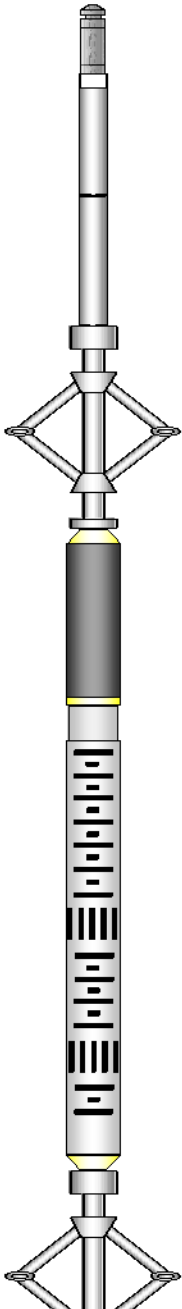


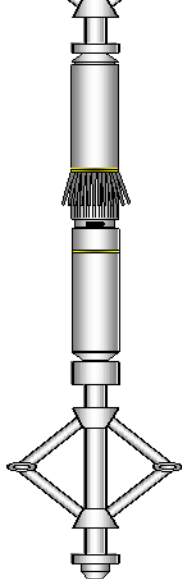
Database File: 07-11-14_whiting_razor federal 26l-2301a_mit_rbl.db
 Dataset Pathname: pass3
 Presentation Format: rbt4_mit
 Dataset Creation: Fri Jul 11 13:54:41 2014 by Log 7.0 B1
 Charted by: Depth in Feet scaled 1:240

Gamma Ray 0 (GAPI) 120	3' Amplitude 0 (mV) 100	5' Variable Density Log 200 1200	Sector Map	Average Amplitude 0 100
	3' Amplitude x 5 0 (mV) 20			Minimum Amplitude 0 100
	3' Travel Time 650 (usec) 150			Maximum Amplitude 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 (10010519) 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 -UW_PRC_057 (1102) Sondex 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00
WVFS3FT	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					
WVFS5FT	14.85		UW_PRC #4 -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_027 (218950) 40 Multifinger Imaging Tool	4.54	2.75	61.10
			UW_PRC-UW_PRC_057 (1037) 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: 07-11-14_Whiting_Razor Federal 26L-2301A_MIT_RBL.db: field/well/run1/pass4 Total Length: 27.92 ft Total Weight: 319.30 lb O.D. 3.13 in						

Calibration Report			
Database File:	07-11-14_Whiting_Razor Federal 26L-2301A_MIT_RBL.db		
Dataset Pathname:	pass5		
Dataset Creation:	Fri Jul 11 16:01:21 2014 by Log 7.0 B1		
Multi-finger Imaging Tool Calibration Report			
Serial Number:		218950	
Number of Fingers:		40	
Tool Model:		UW_MIT40_027	
Inclinometer Calibration Report			
Performed:		Wed Apr 23 11:10:45 2014	
Calibration Angle:		46	
		Inc X	Inc Y
Vertical:		1983	1966
Finger 1 up:		2225	2223
Finger 31 up:		1727	2194
Finger 21 up:		1746	1724
Finger 11 up:		2256	1730
Sensitivity ratio:	1.04732		
X-axis angle:	312.539		
Deviation const.:	344.577		

Finger Calibration Report							
	Performed: Fri Jul 11 16:01:06 2014						
Ring size:	4	5	6	7			
(in)							
	Sens	Sens	Sens				
Finger 01:	1459	271.0	1730	291.0	2021	303.0	2324
Finger 02:	1561	246.0	1807	256.0	2063	262.0	2325
Finger 03:	1428	275.0	1703	294.0	1997	305.0	2302
Finger 04:	1456	275.0	1731	292.0	2023	296.0	2319
Finger 05:	1488	264.0	1752	279.0	2031	285.0	2316
Finger 06:	1427	276.0	1703	296.0	1999	305.0	2304
Finger 07:	1432	273.0	1705	291.0	1996	302.0	2298
Finger 08:	1460	269.0	1729	289.0	2018	291.0	2309
Finger 09:	1448	275.0	1723	294.0	2017	298.0	2315
Finger 10:	1477	267.0	1744	284.0	2028	287.0	2315
Finger 11:	1447	270.0	1717	291.0	2008	298.0	2306

Finger 11:	1447	270.0	1717	291.0	2005	290.0	2300
Finger 12:	1430	277.0	1707	298.0	2005	302.0	2307
Finger 13:	1532	258.0	1790	271.0	2061	269.0	2330
Finger 14:	1473	265.0	1738	287.0	2025	289.0	2314
Finger 15:	1462	279.0	1741	294.0	2035	300.0	2335
Finger 16:	1487	269.0	1756	289.0	2045	291.0	2336
Finger 17:	1458	276.0	1734	293.0	2027	299.0	2326
Finger 18:	1492	267.0	1759	281.0	2040	284.0	2324
Finger 19:	1487	273.0	1760	288.0	2048	291.0	2339
Finger 20:	1479	271.0	1750	287.0	2037	296.0	2333
Finger 21:	1452	282.0	1734	302.0	2036	307.0	2343
Finger 22:	1483	265.0	1748	279.0	2027	286.0	2313
Finger 23:	1482	274.0	1756	284.0	2040	294.0	2334
Finger 24:	1484	272.0	1756	284.0	2040	287.0	2327
Finger 25:	1458	276.0	1734	288.0	2022	295.0	2317
Finger 26:	1456	279.0	1735	292.0	2027	302.0	2329
Finger 27:	1493	269.0	1762	282.0	2044	290.0	2334
Finger 28:	1475	278.0	1753	287.0	2040	297.0	2337
Finger 29:	1536	262.0	1798	273.0	2071	281.0	2352
Finger 30:	1439	276.0	1715	291.0	2006	306.0	2312
Finger 31:	1452	281.0	1733	296.0	2029	306.0	2335
Finger 32:	1510	266.0	1776	277.0	2053	282.0	2335
Finger 33:	1452	280.0	1732	298.0	2030	308.0	2338
Finger 34:	1435	275.0	1710	295.0	2005	310.0	2315
Finger 35:	1499	256.0	1755	270.0	2025	280.0	2305
Finger 36:	1484	264.0	1748	282.0	2030	296.0	2326
Finger 37:	1453	275.0	1728	294.0	2022	305.0	2327
Finger 38:	1521	250.0	1771	262.0	2033	276.0	2309
Finger 39:	1475	267.0	1742	282.0	2024	291.0	2315
Finger 40:	1412	281.0	1693	300.0	1993	316.0	2309

Segmented Cement Bond Log Calibration Report

Serial Number: 1066
Tool Model: UW_RBT_004

Calibration Casing Diameter: 7.000 in
Calibration Depth: 866.973 ft

Master Calibration, performed Fri Jul 11 13:42:13 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.005	0.714	0.800	62.165	86.528	0.381
5FT	-0.001	0.625	0.800	62.165	98.004	0.920
S1	0.004	0.690	0.000	100.000	145.807	-0.552
S2	0.003	0.724	0.000	100.000	138.782	-0.425
S3	0.003	0.740	0.000	100.000	135.778	-0.461
S4	0.003	0.737	0.000	100.000	136.227	-0.397
S5	0.004	0.706	0.000	100.000	142.510	-0.571
S6	0.004	0.682	0.000	100.000	147.362	-0.540
S7	0.003	0.684	0.000	100.000	147.034	-0.512
S8	0.004	0.683	0.000	100.000	147.166	-0.521

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

Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

	Company	Whiting Oil and Gas Corporation
	Well	Razor Federal 26L-2301A
	Field	Wildcat
	County	Weld
	State	Colorado