



Radial Cement Bond
Gamma Ray
Casing Collar Log

Company Kerr-McGee Oil and Gas Onshore LP				Company Kerr-McGee Oil and Gas Onshore LP			
Well Green 3N-8HZ				Well Green 3N-8HZ			
Field Wattenberg				Field Wattenberg			
County Weld				County Weld			
State Colorado				State Colorado			
Location:				API # : 05-123-40838			
SEC 8 TWP 1N RGE 65W				Other Services			
Permanent Datum				Ground Level			
Log Measured From				Kelly Bushing			
Drilling Measured From				Kelly Bushing			
Elevation 4972'				Elevation			
K.B. 4988'				D.F. 4987'			
G.L. 4972'				G.L. 4972'			
Date				29-JUL-2015			
Run Number				Two			
Depth Driller				13459 FT			
Depth Logger				6751 FT			
Bottom Logged Interval				6744 FT			
Top Log Interval				Surface			
Open Hole Size				7.875"			
Type Fluid				Water			
Density / Viscosity				8.34 lbm/gal			
Max. Recorded Temp.				---			
Estimated Cement Top				32 FT			
Time Well Ready				ROA			
Time Logger on Bottom				7:50 AM			
Equipment Number				HD-0255			
Location				Ft. Lupton, CO			
Recorded By				R. Cameron			
Witnessed By				DJ Anderson			
Borehole Record				Tubing Record			
Run Number				Bit			
From				To			
Size				Weight			
From				To			
Casing Record				Size (in)			
Surface Casing				9 5/8			
Intermediate #1				5 1/2			
Intermediate #2				36			
Liner				Wgt (lbs/Ft)			
				Grade			
				J-55 LTC			
				HCP-110 LTC			
				Top			
				Surface			
				Bottom			
				1576 FT			
				13459 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

Gauge ring ran to 6745 FT

Log ran from as deep as possible to surface

Log ran with 2800 PSI surface Induced pressure

Logging Tools were clean

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

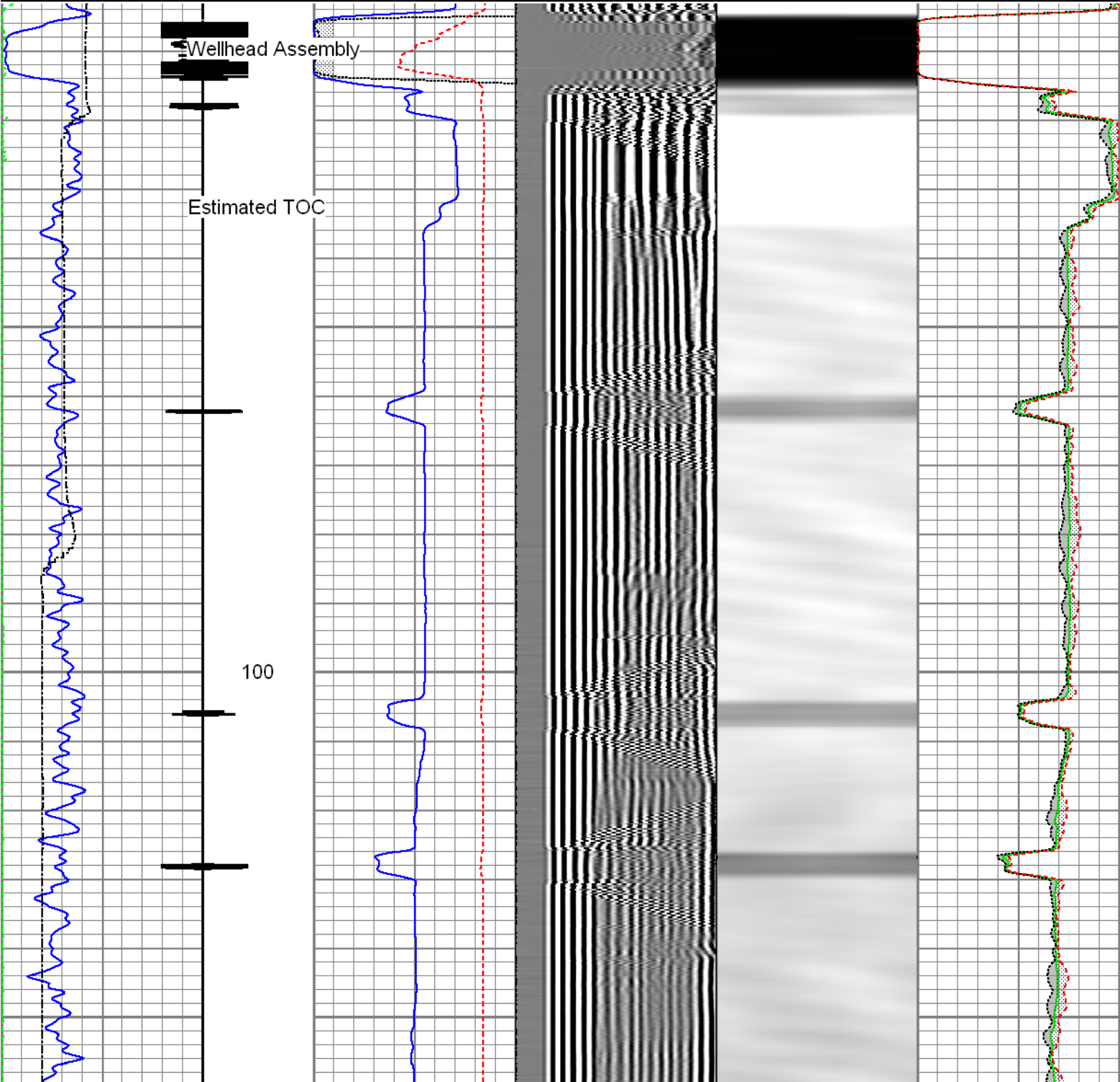


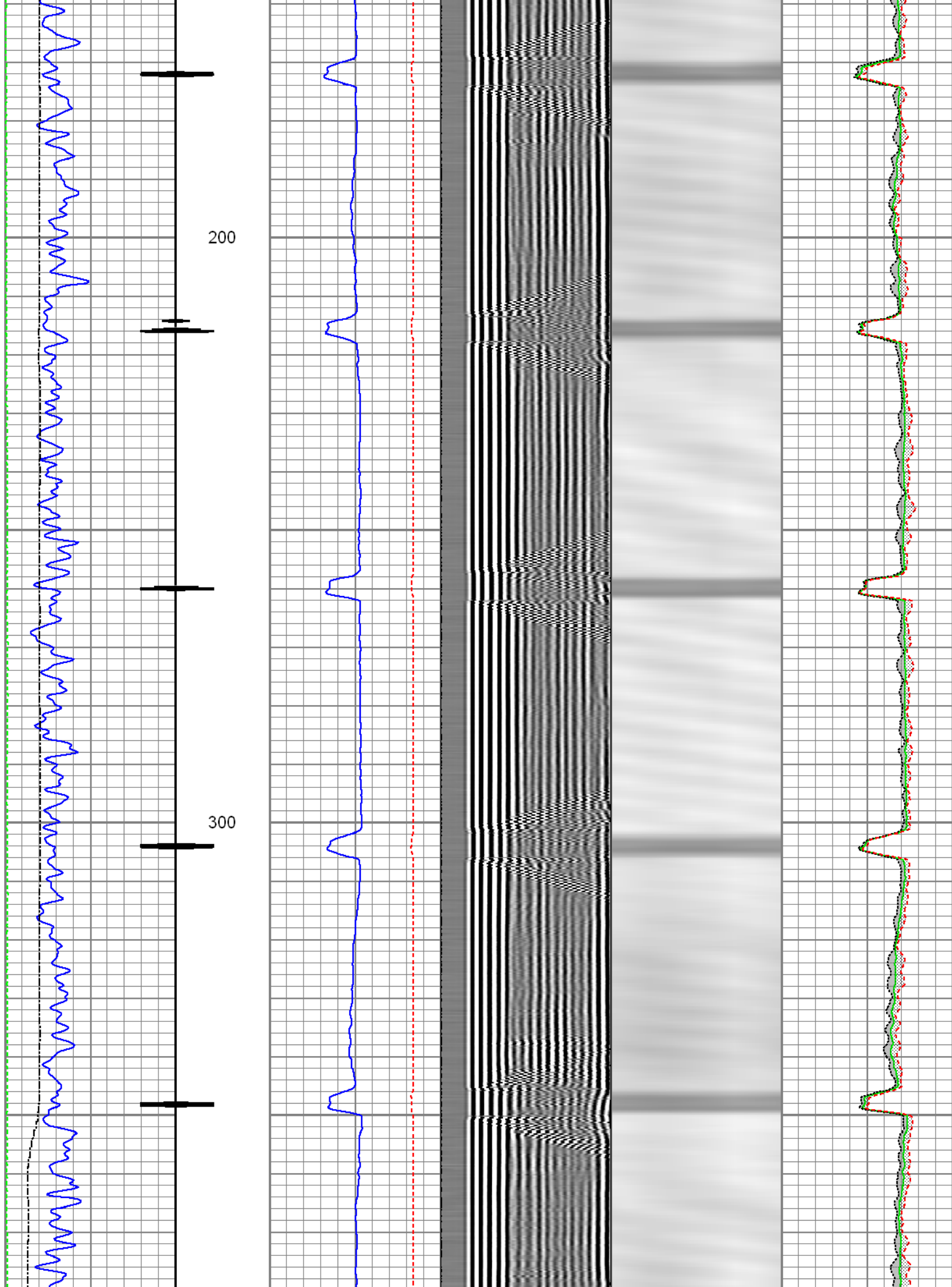
Main Pass

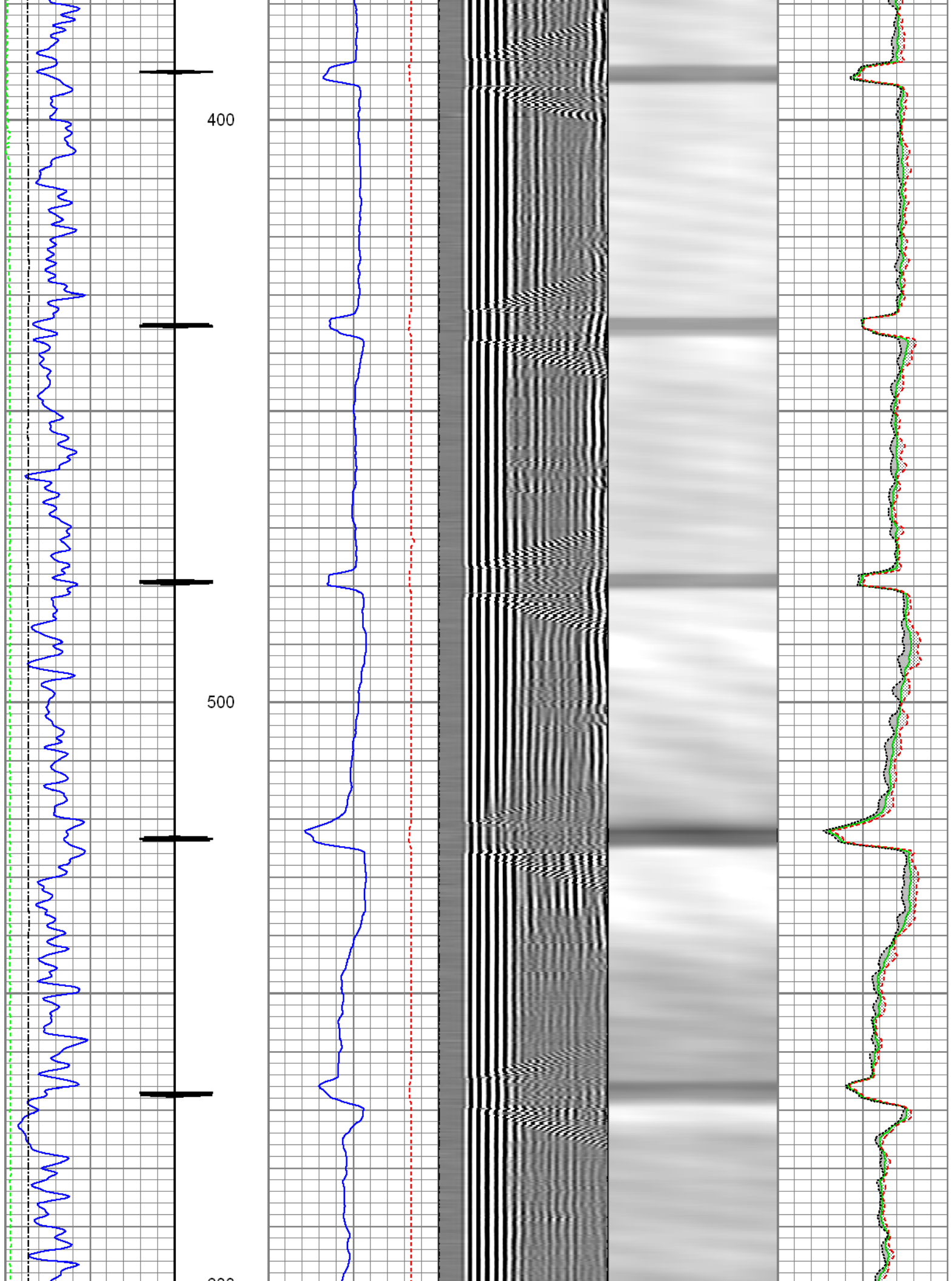
Recorded with 2800 PSI Surface Induced Pressure

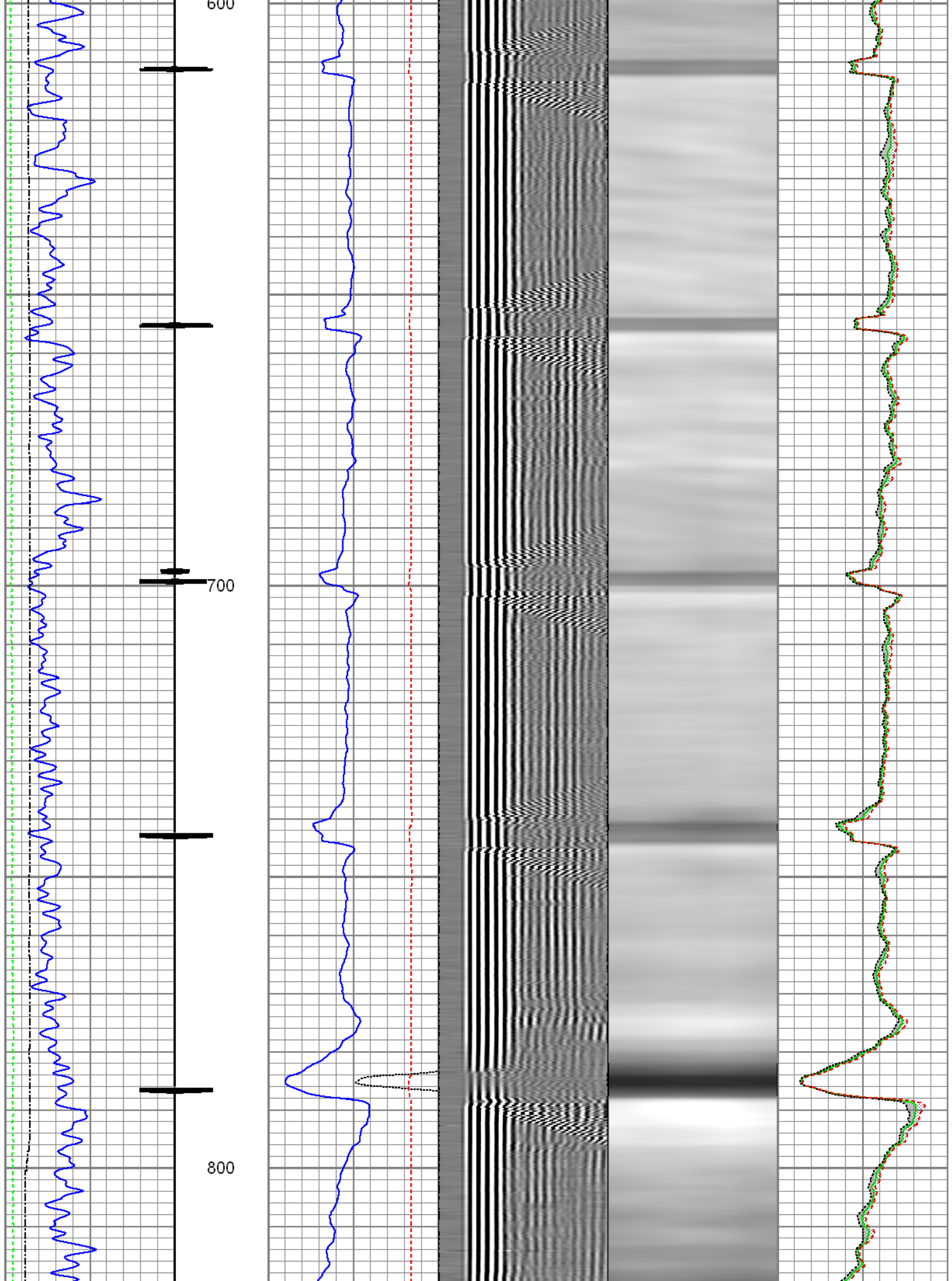
Database File: 0512340838_anadarko_green 3n-8hz_07-29-15_rbl.db
Dataset Pathname: pass7.2
Presentation Format: rbt004
Dataset Creation: Wed Jul 29 09:10:46 2015 by Calc 7.0 B1
Charted by: Depth in Feet scaled 1:240

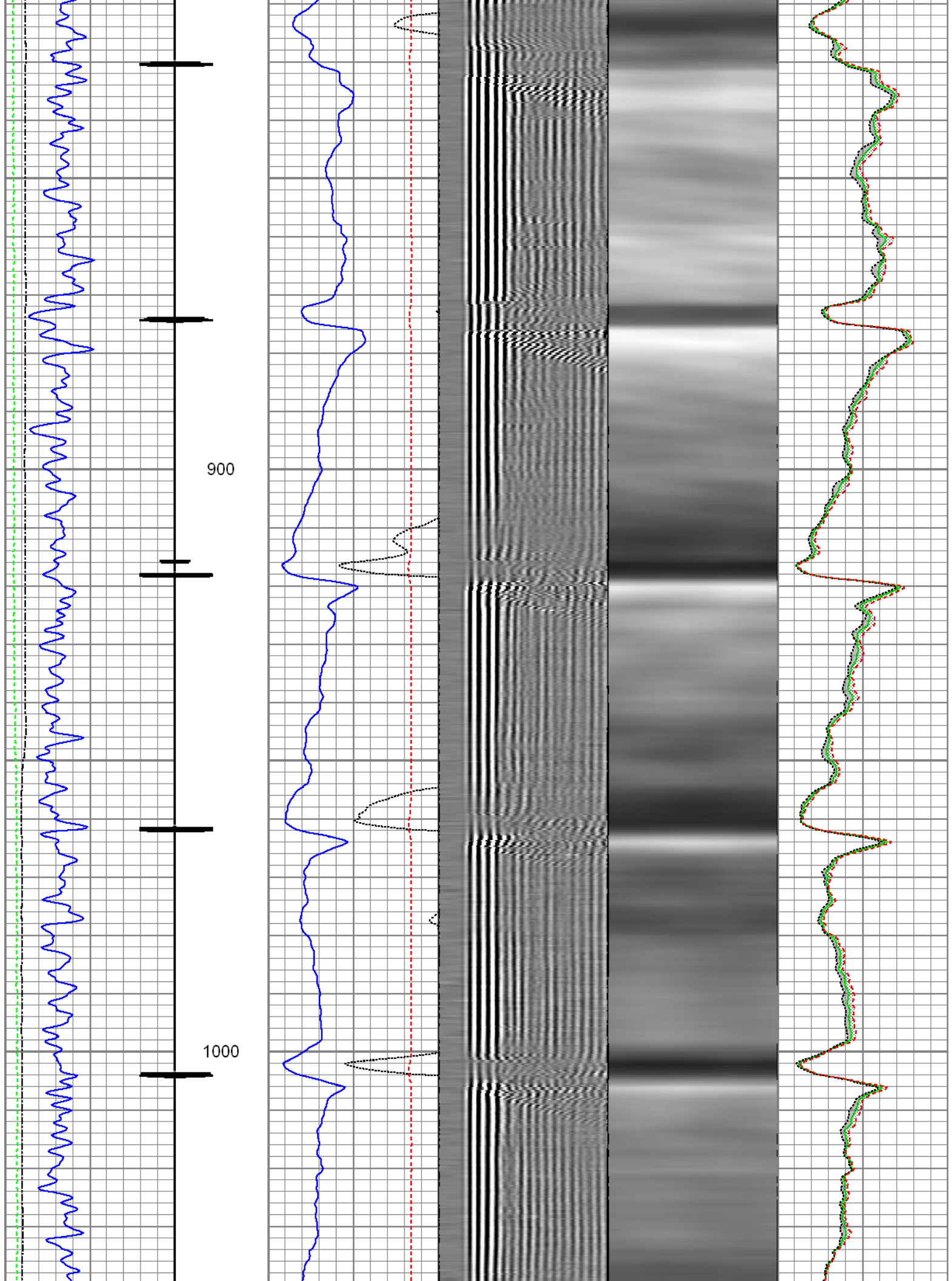
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Mimimum Amplitude
Line Speed	0 (mV) 20			0 100
-150 (ft/min) 150	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000				

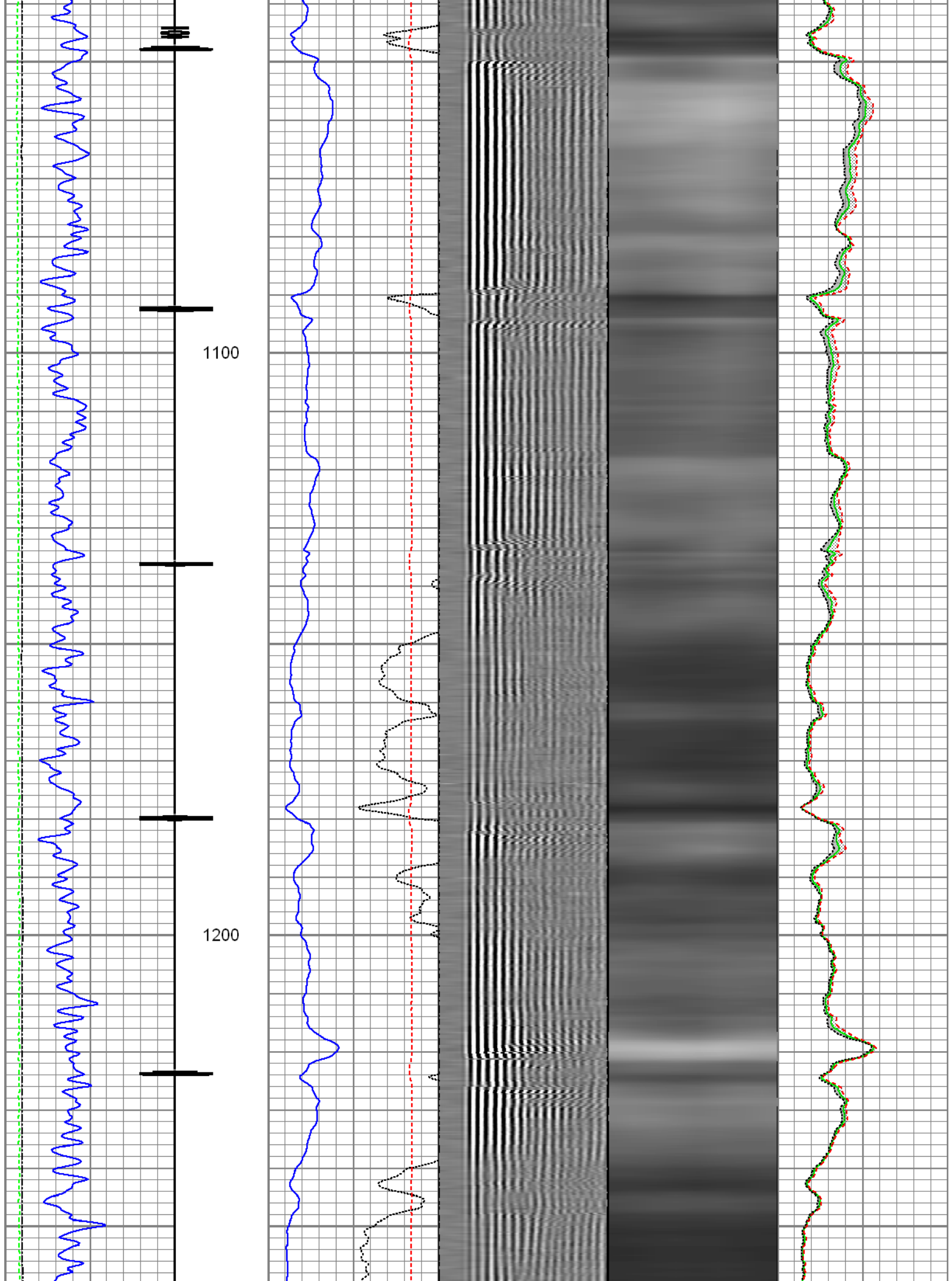


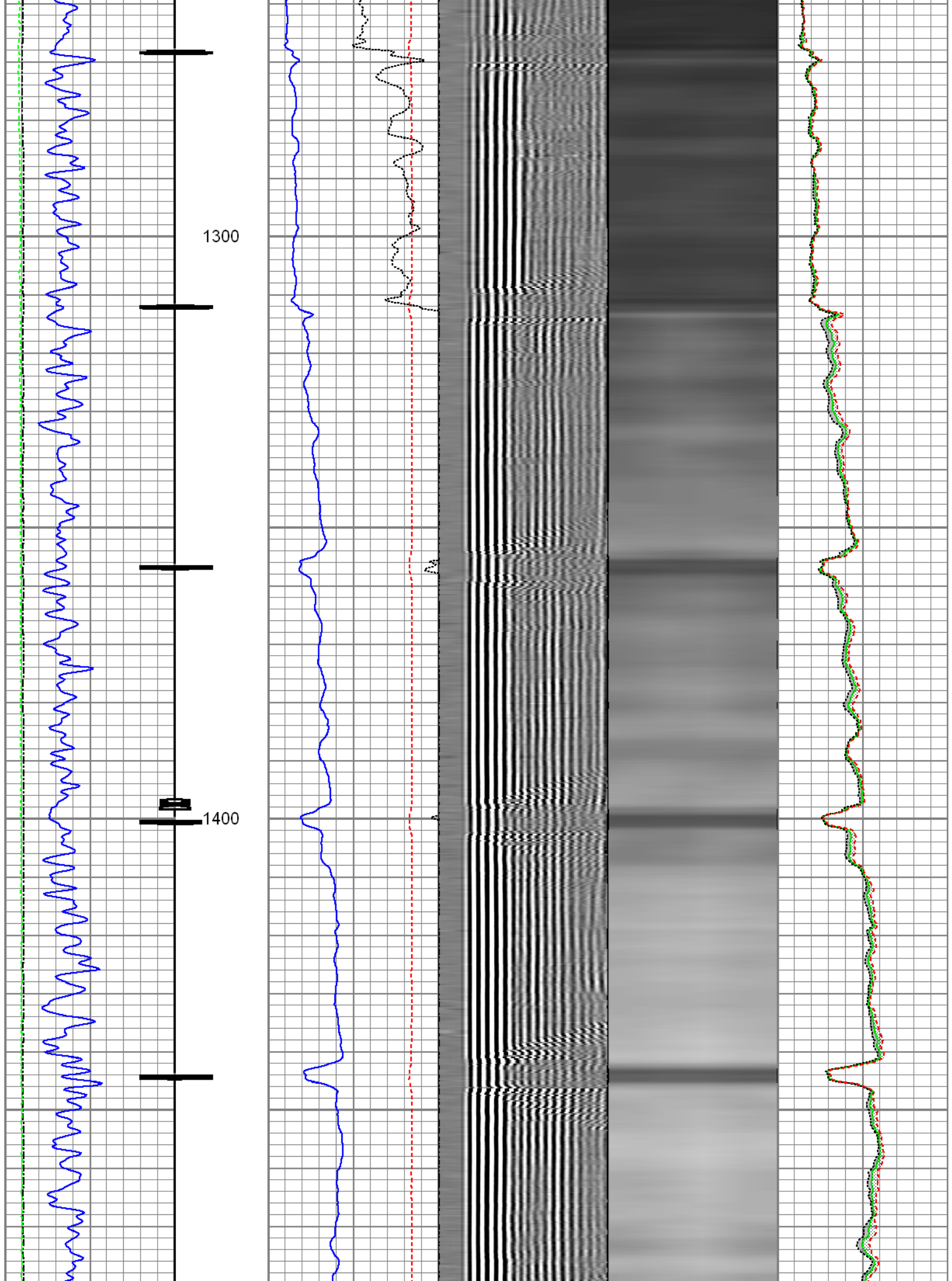


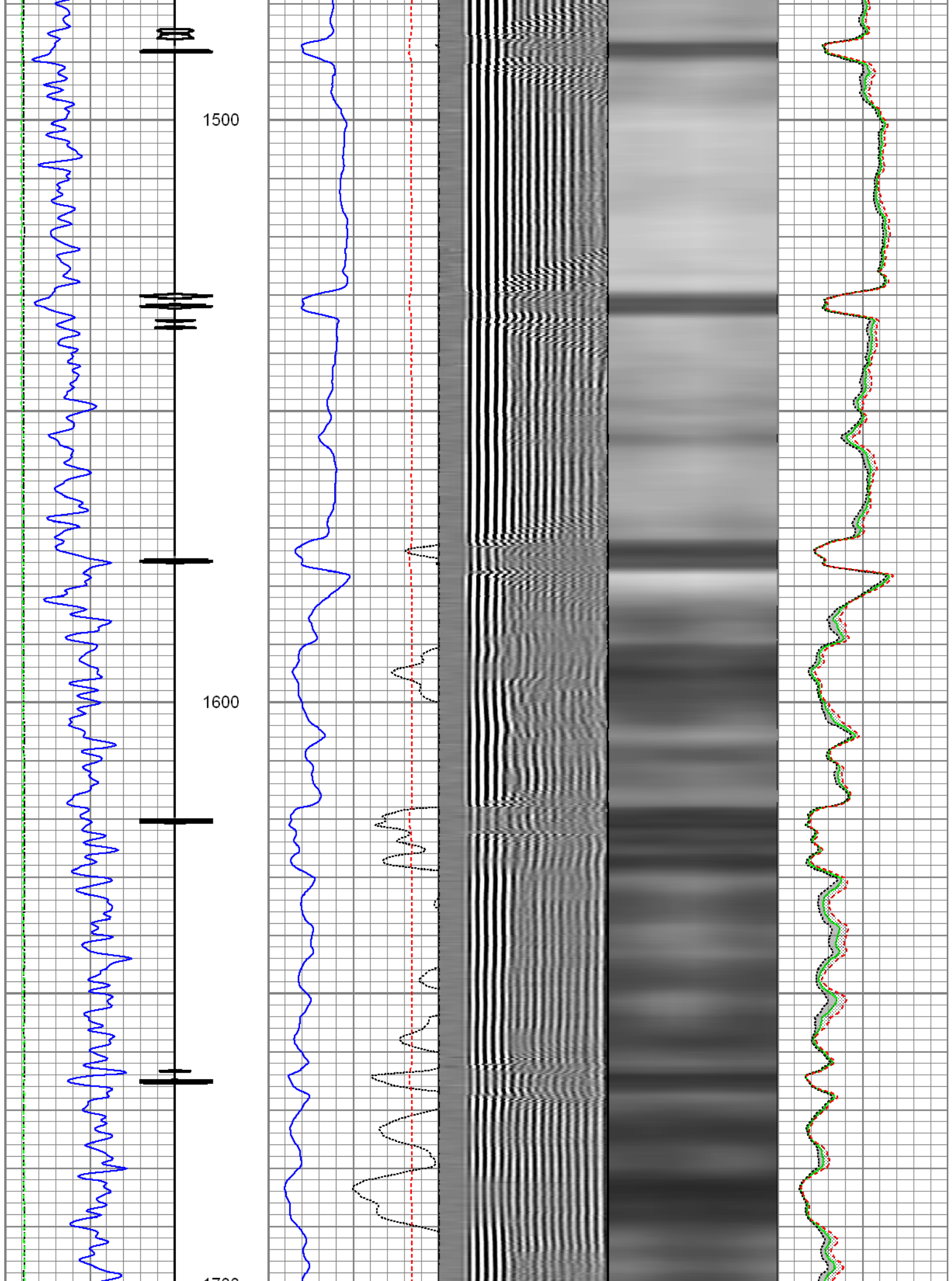


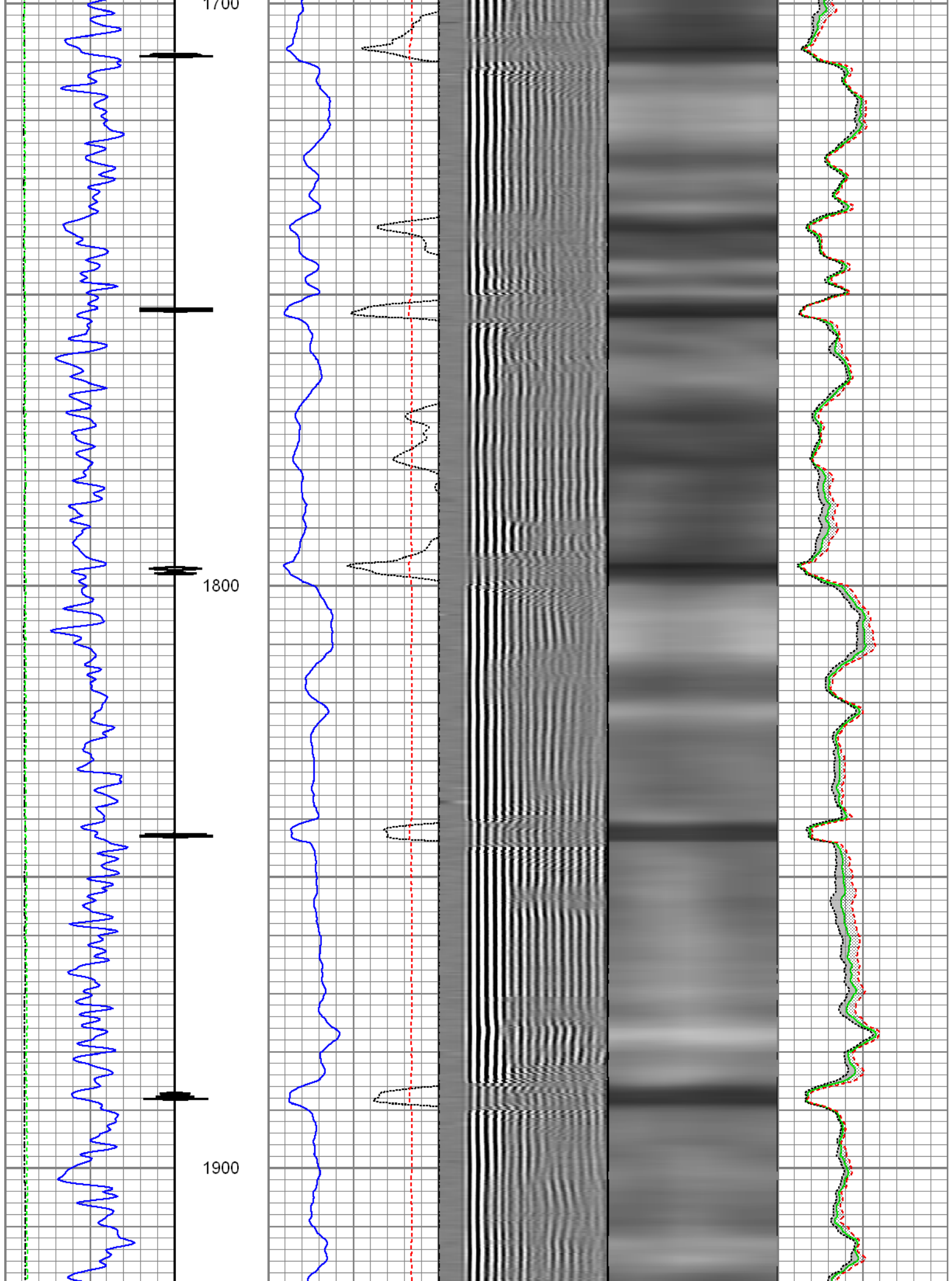


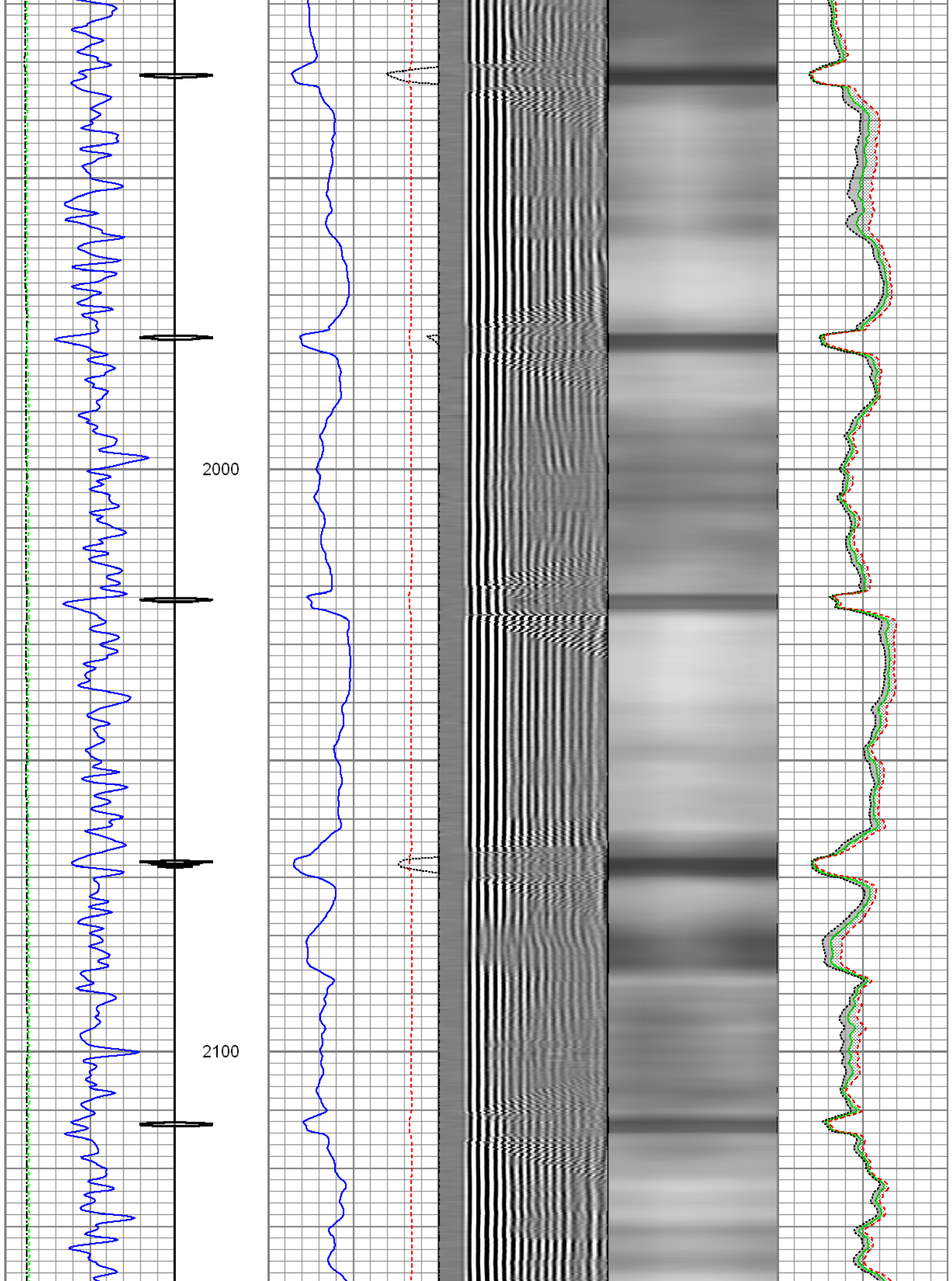


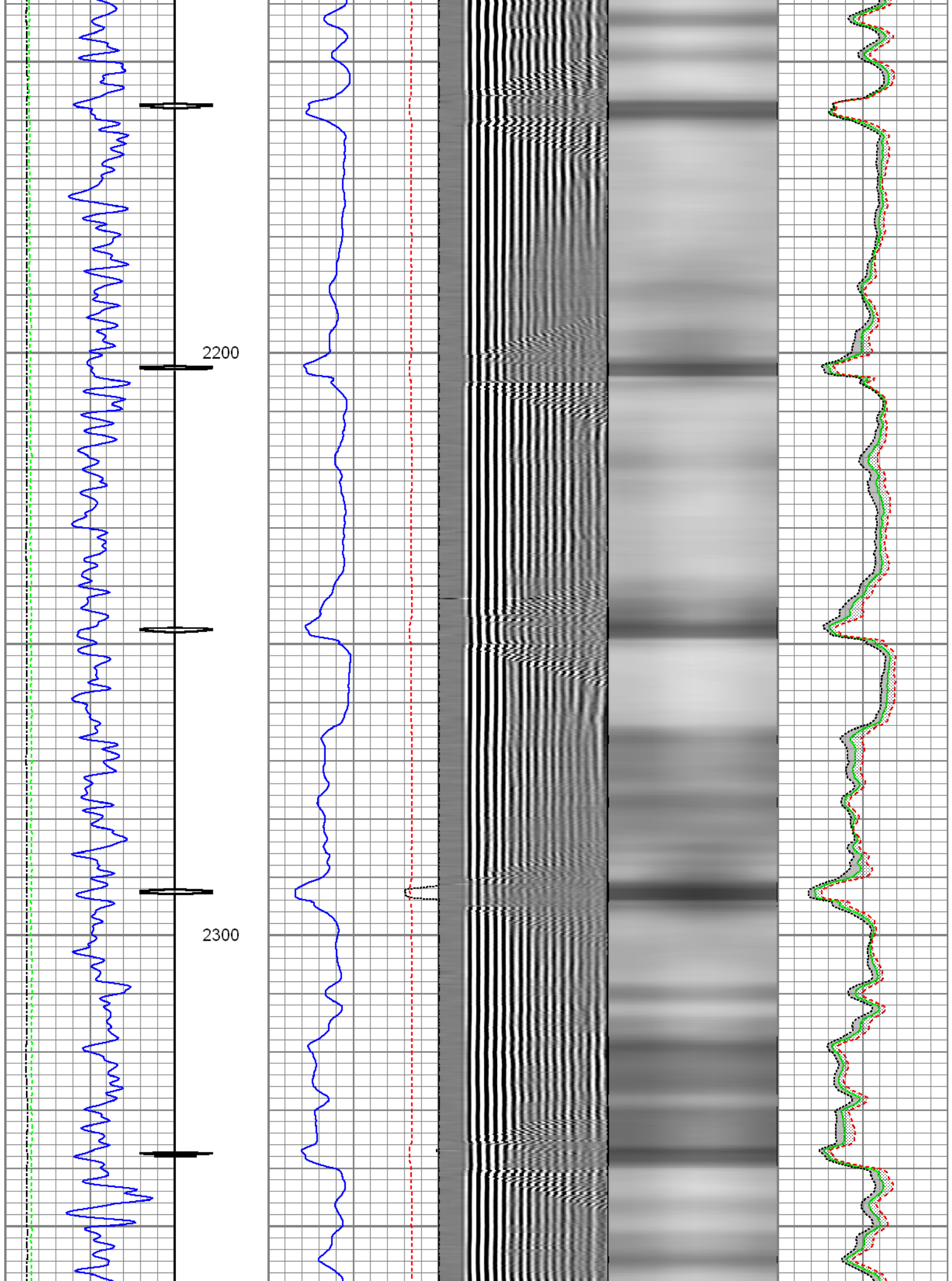


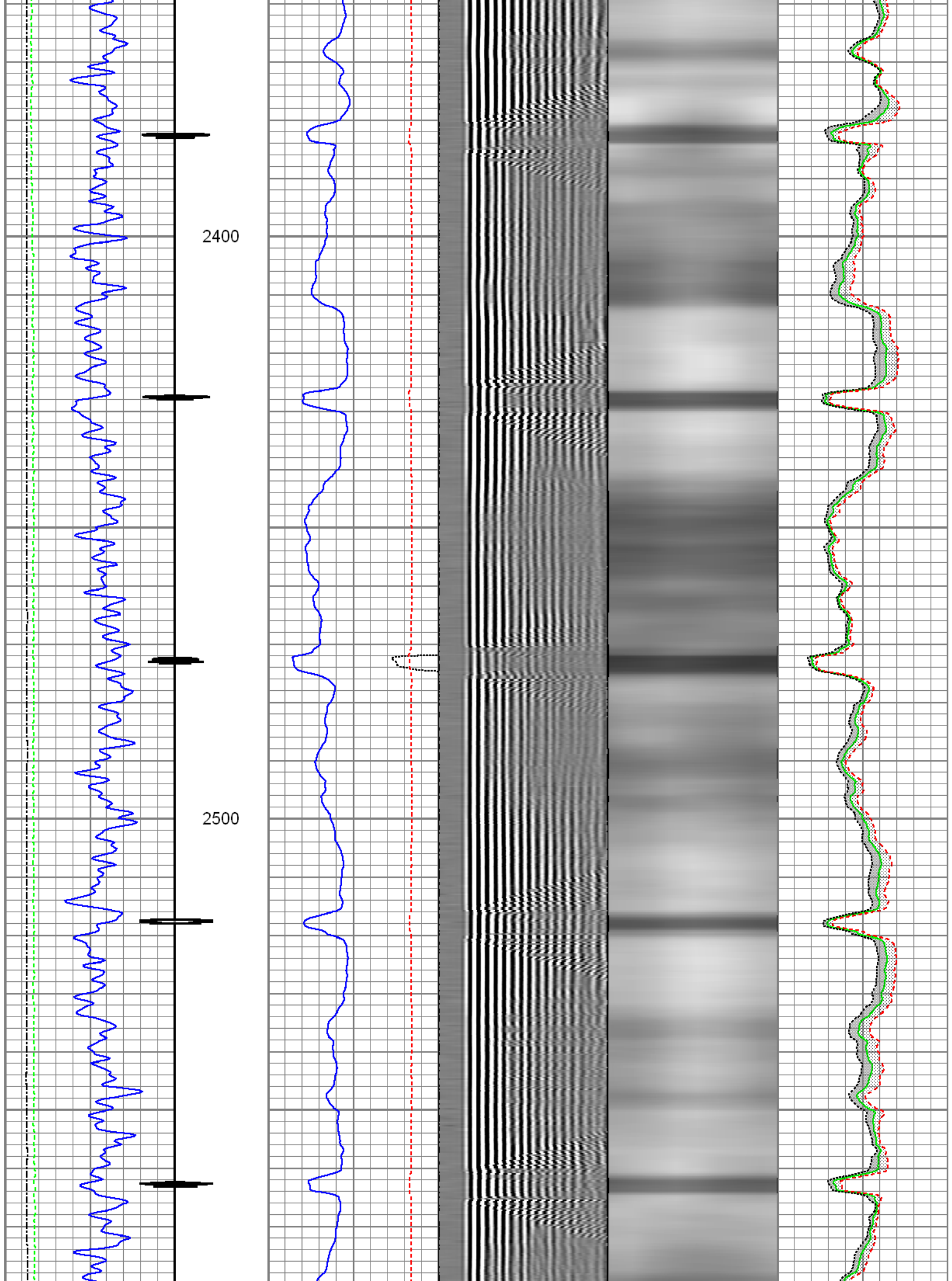


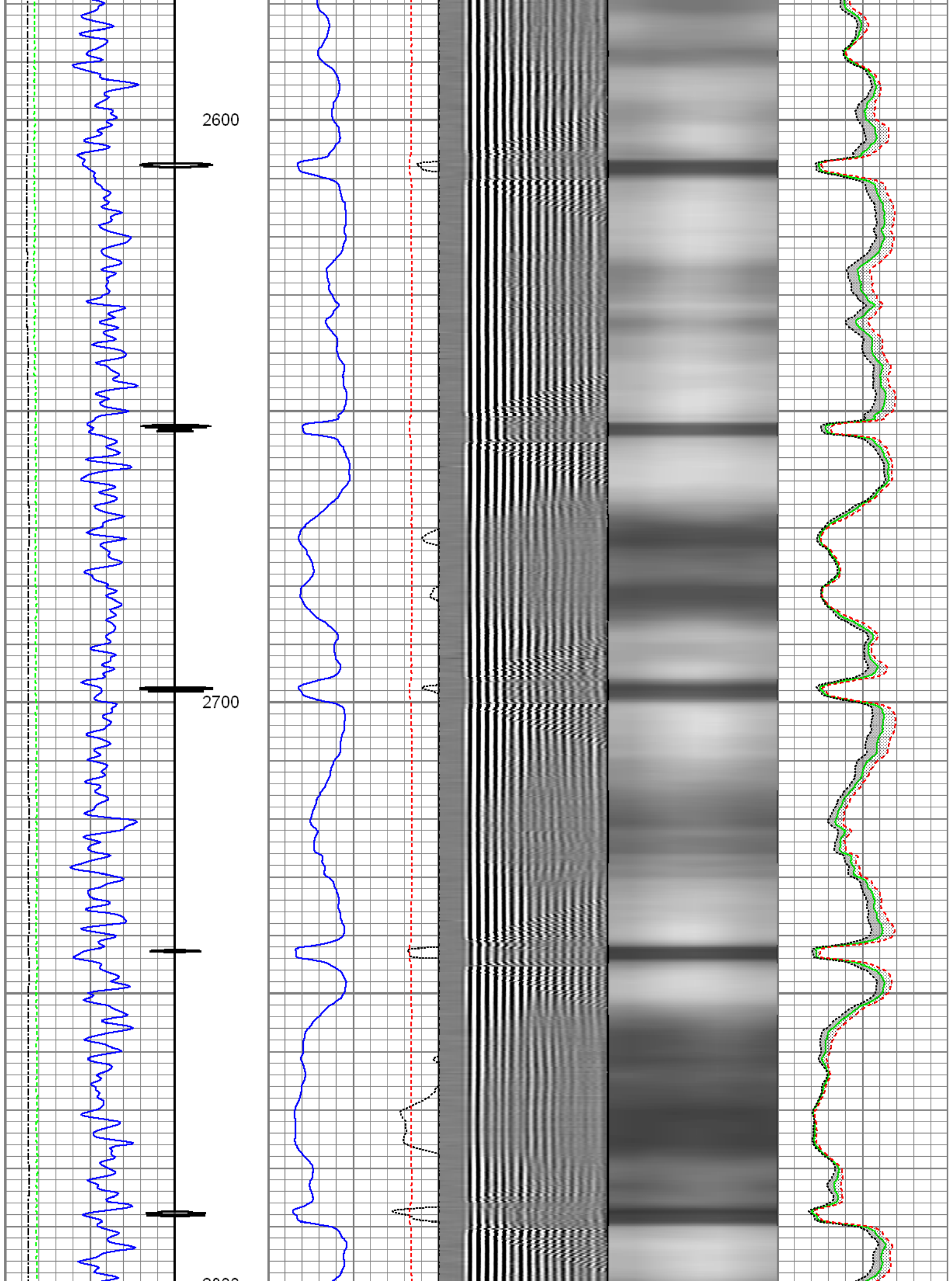


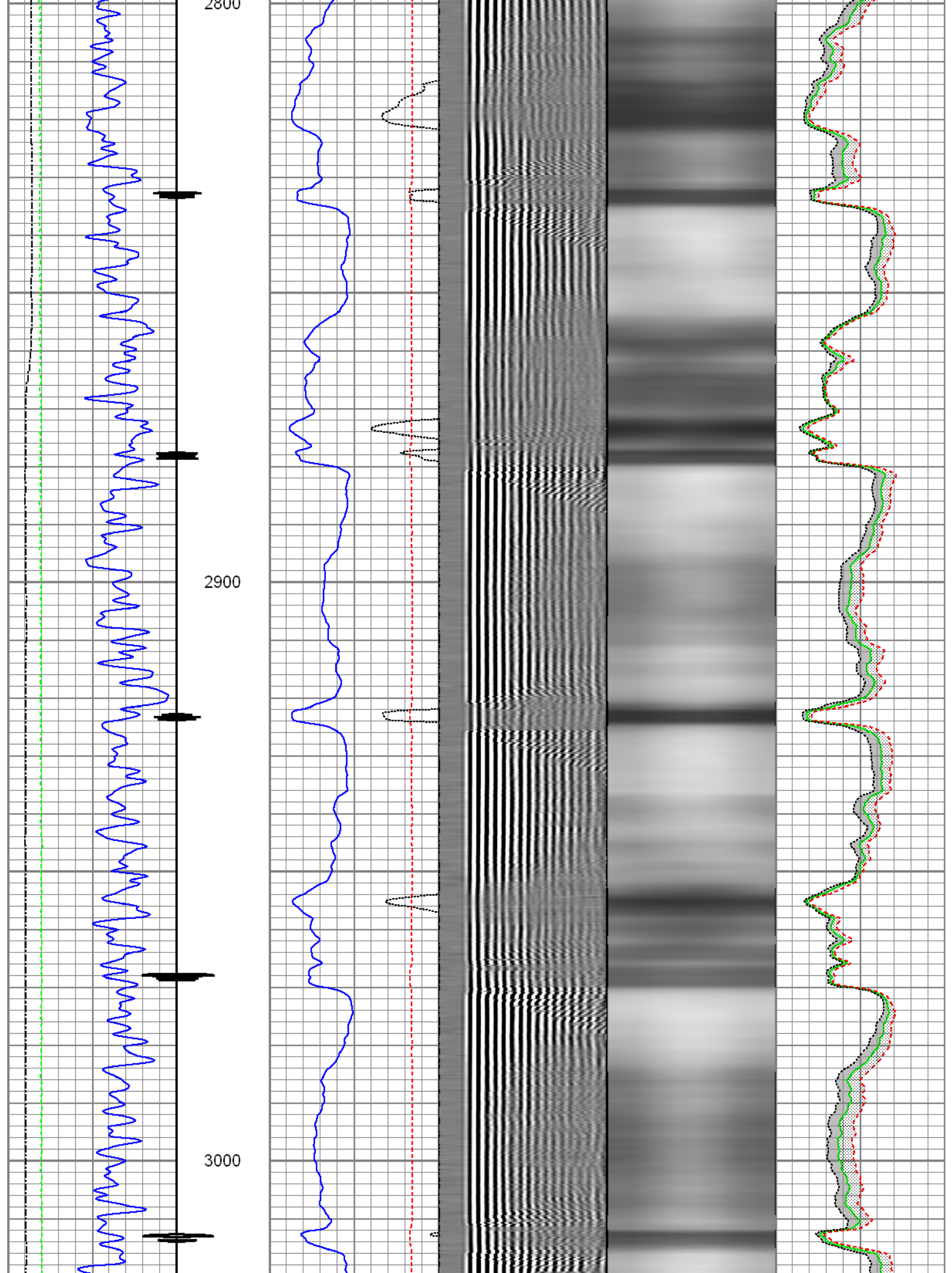


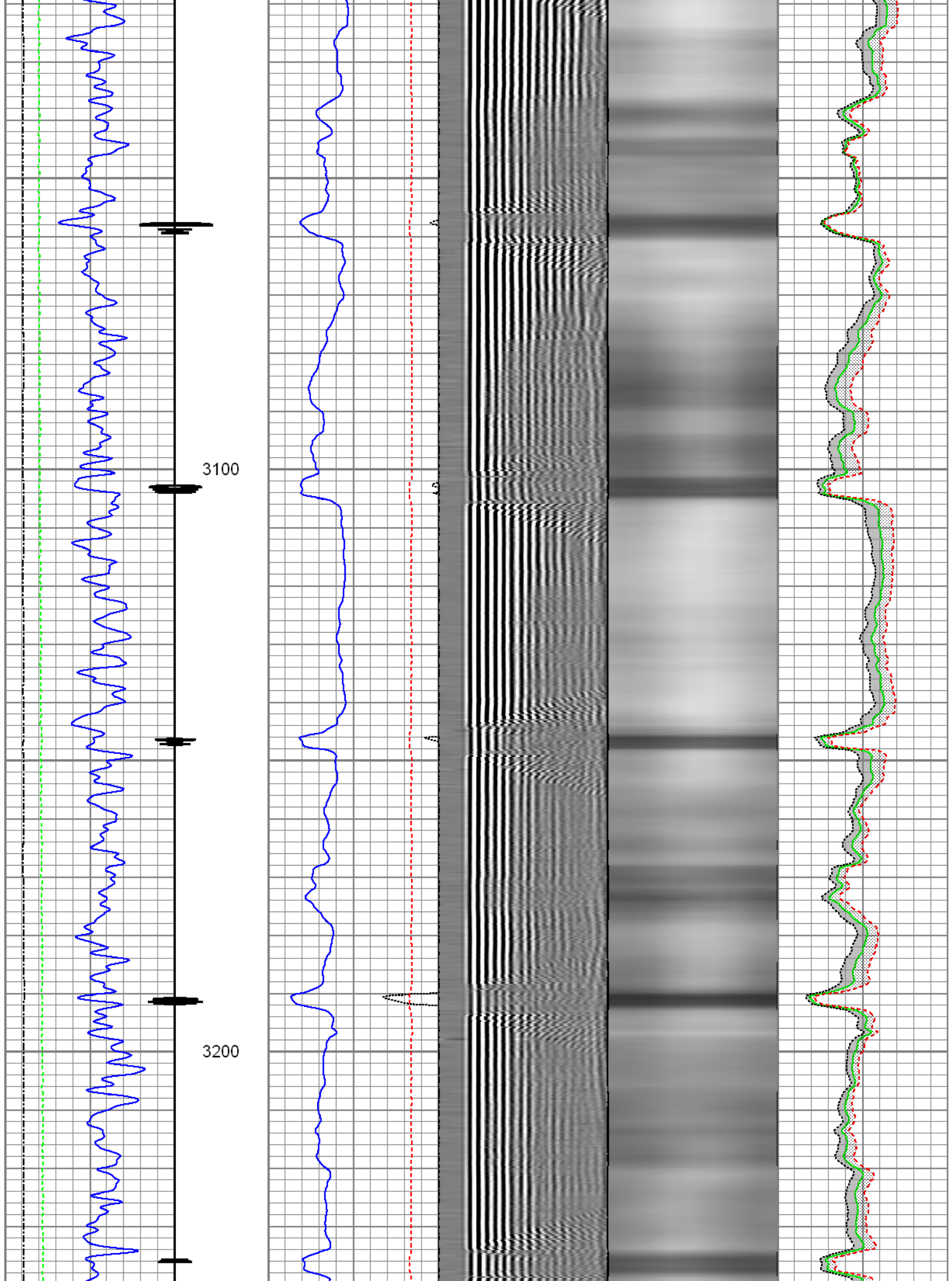


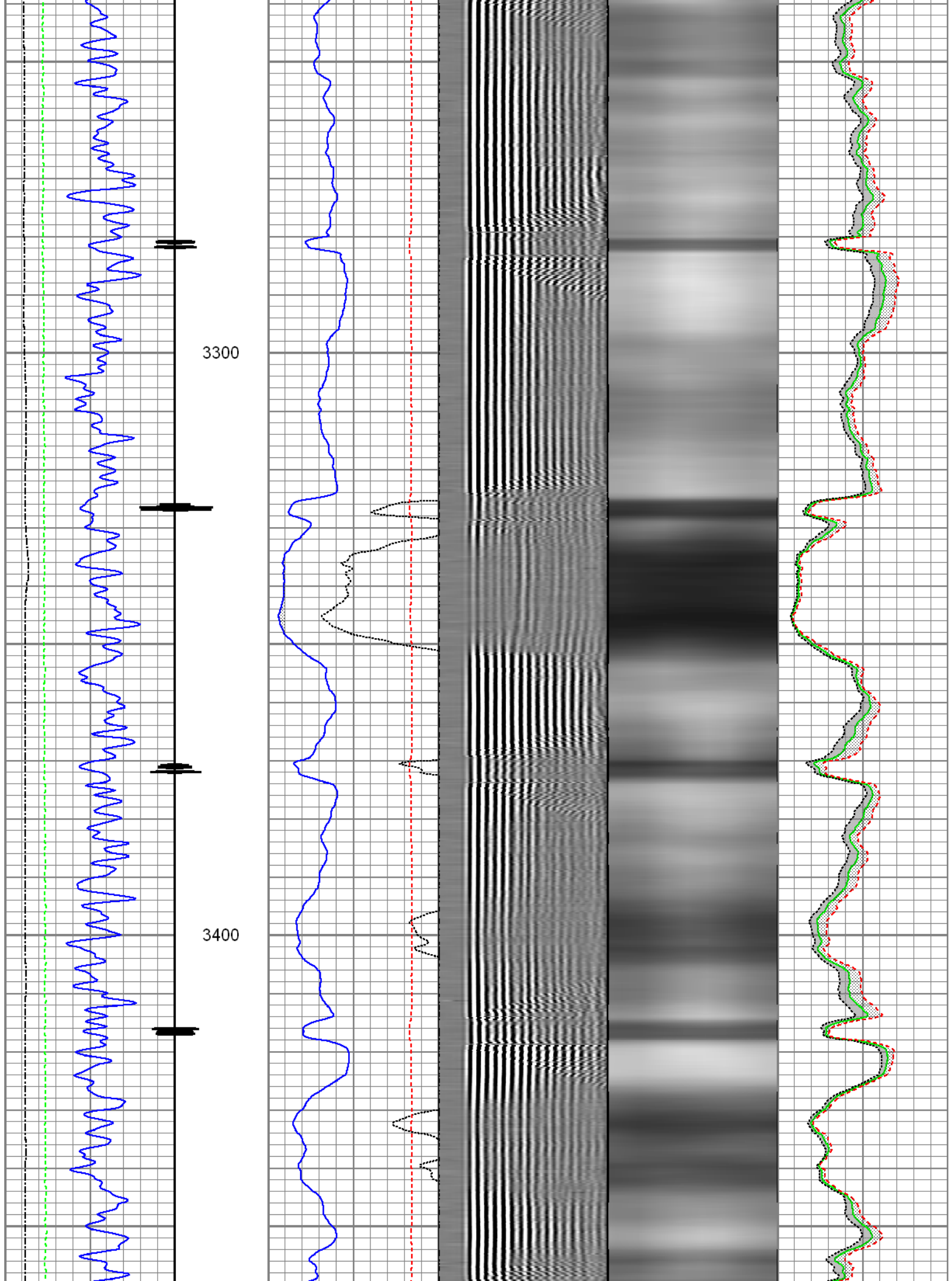


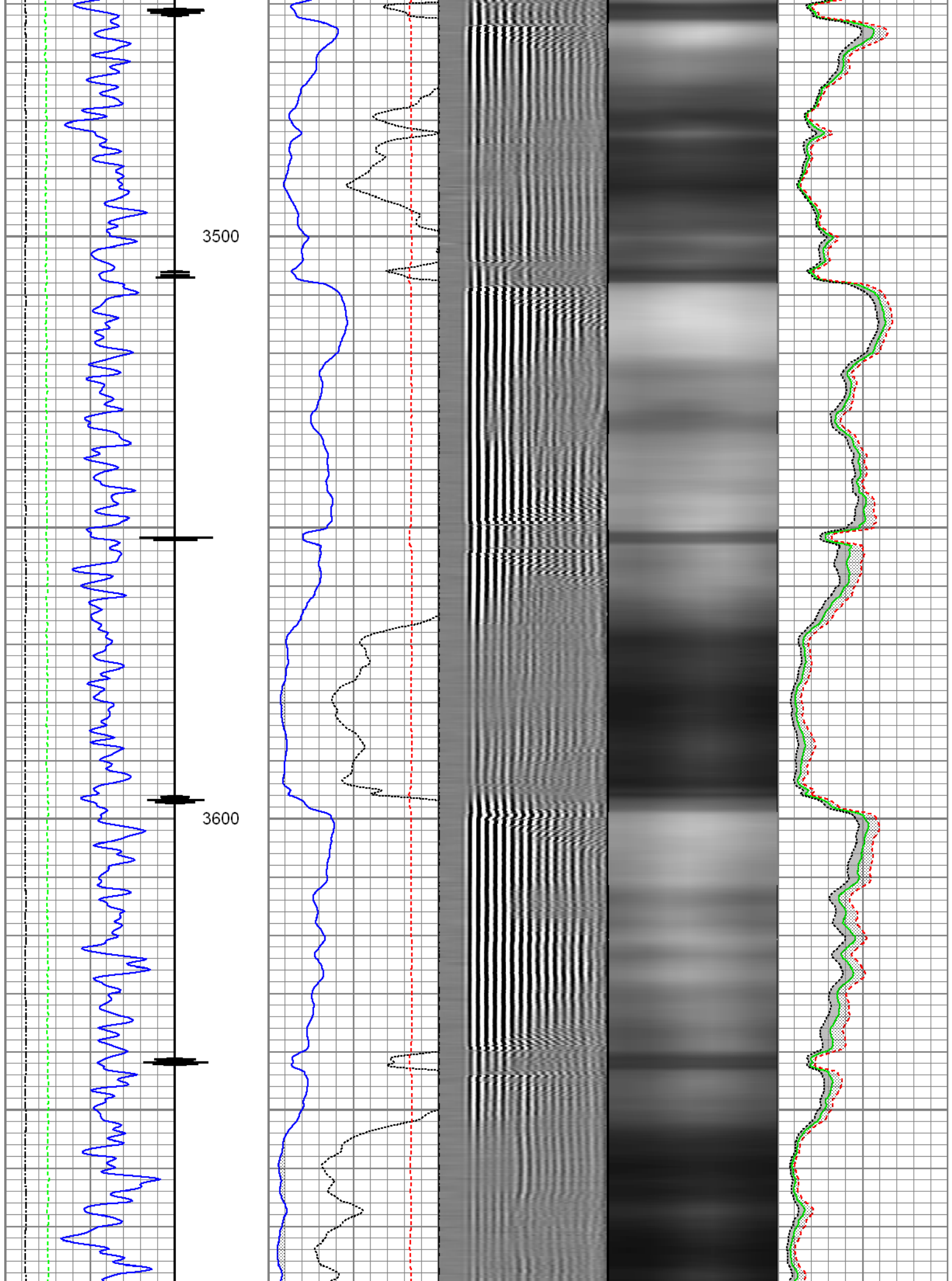


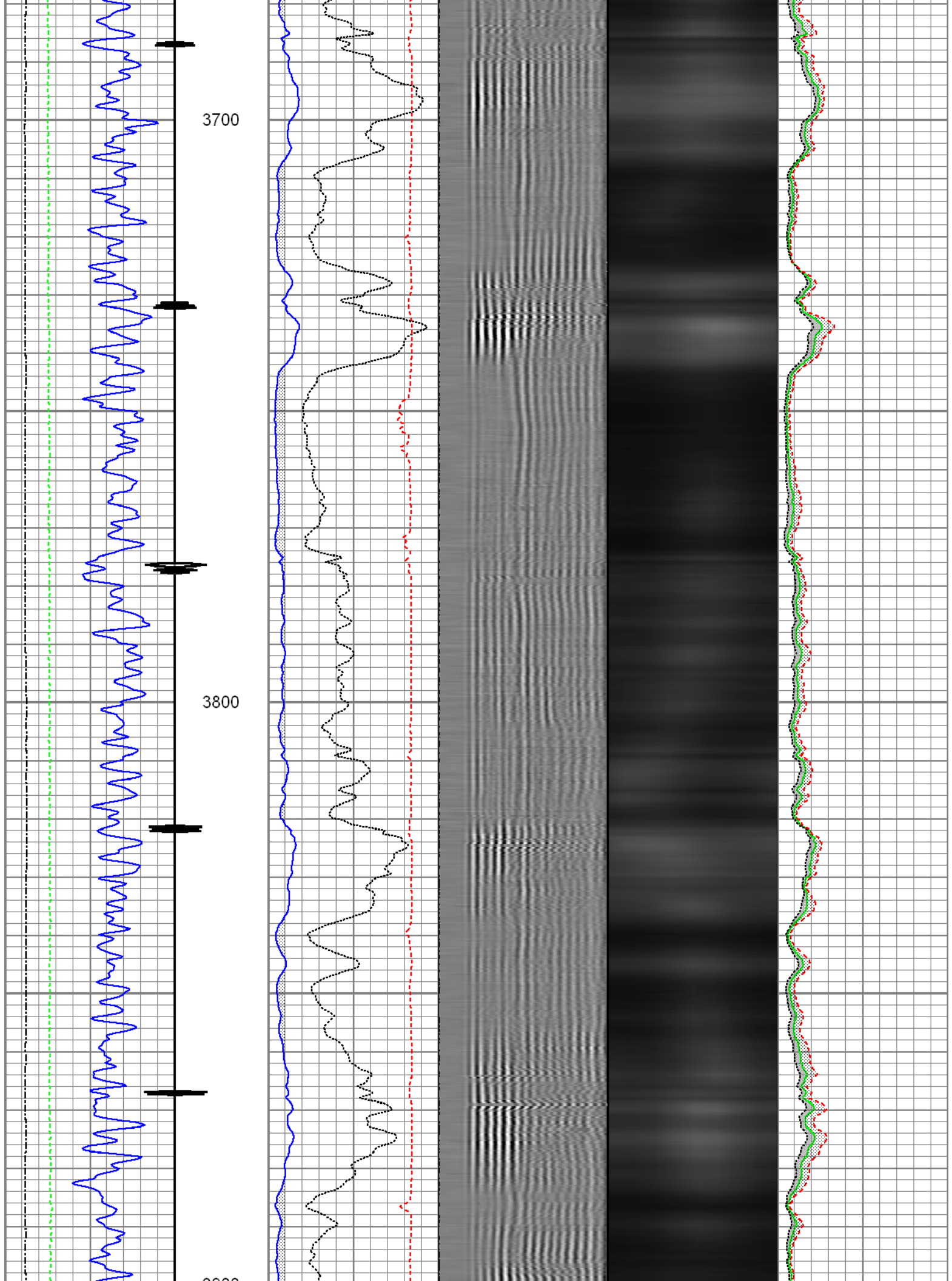


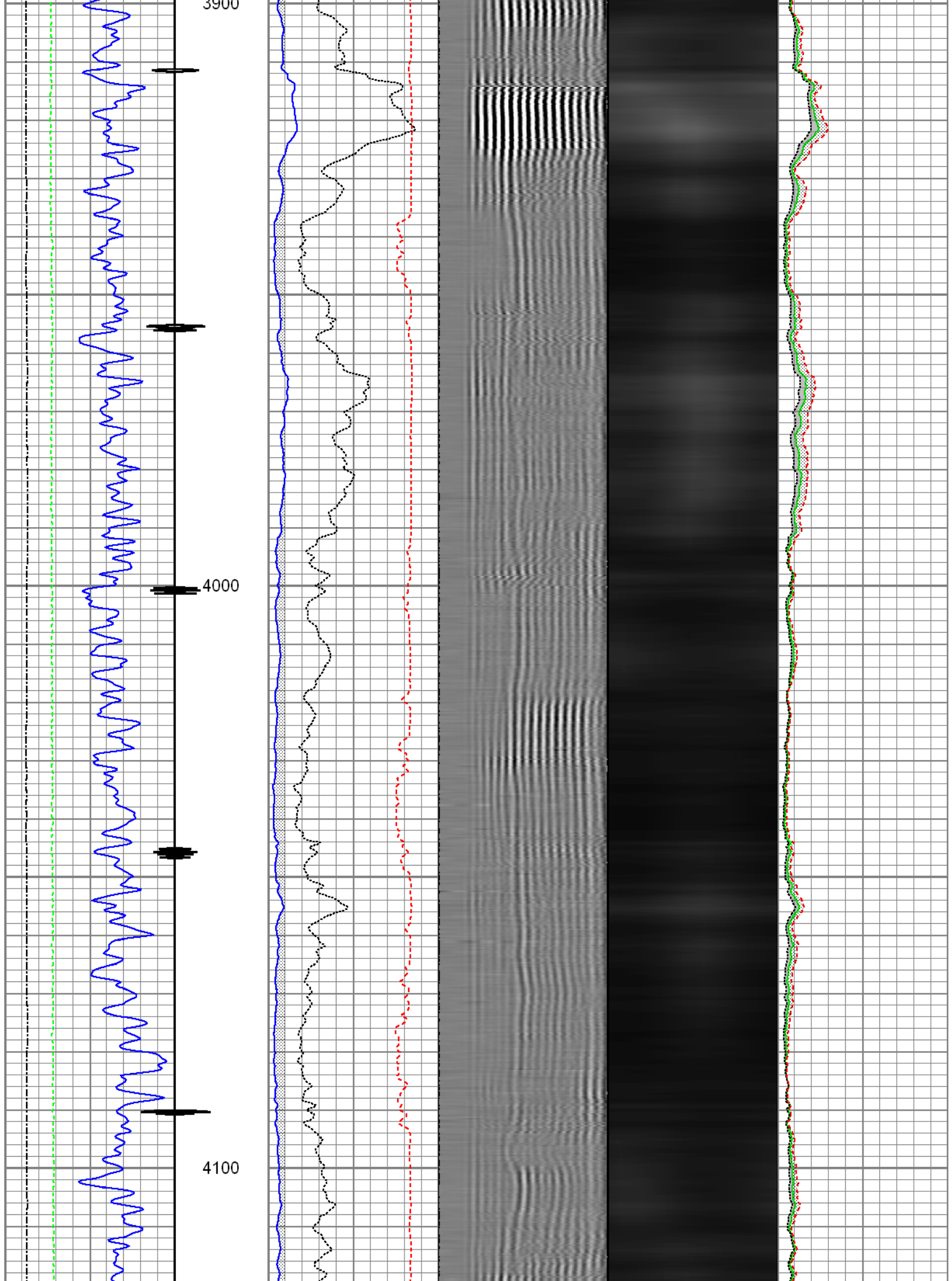


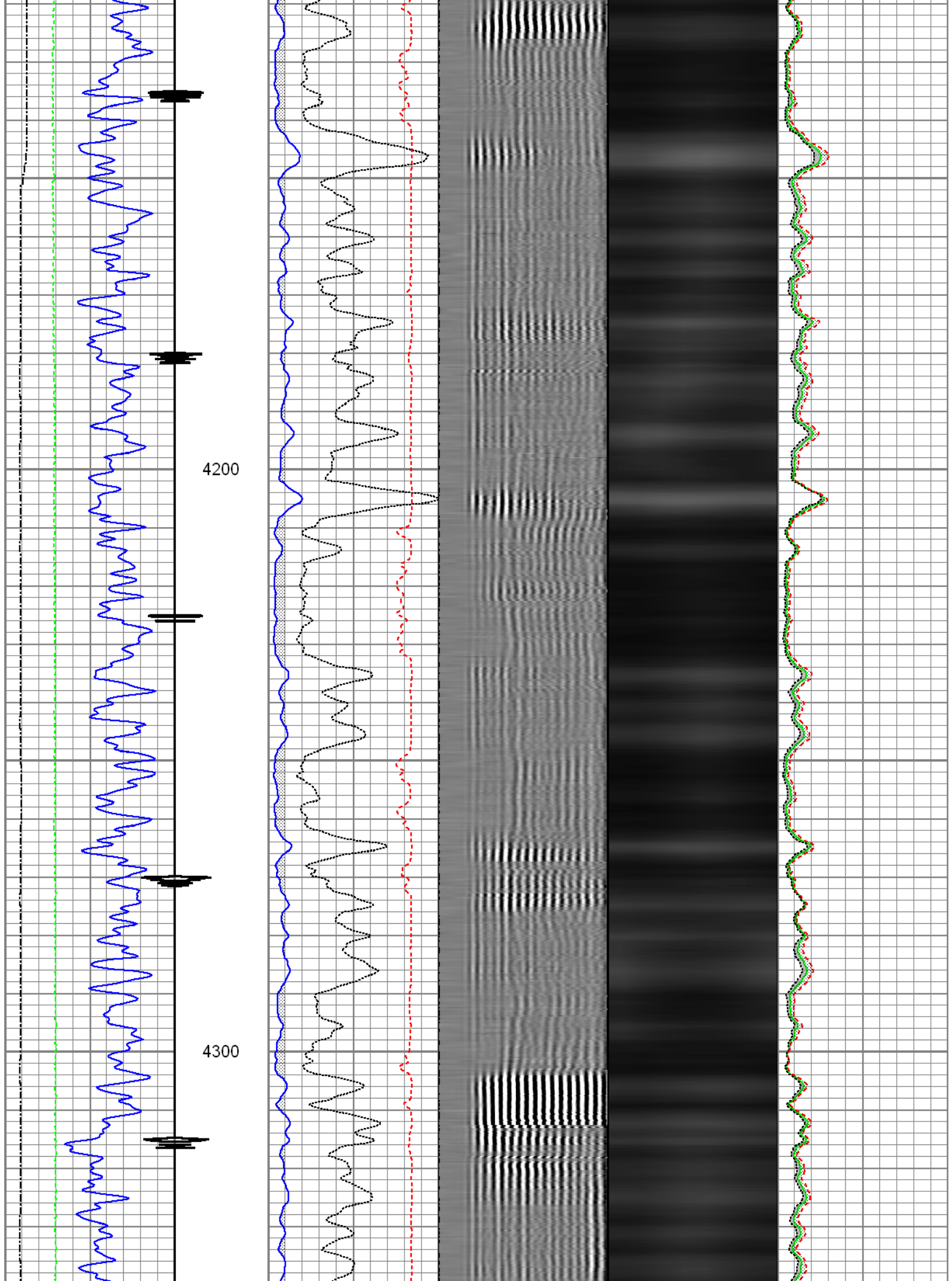


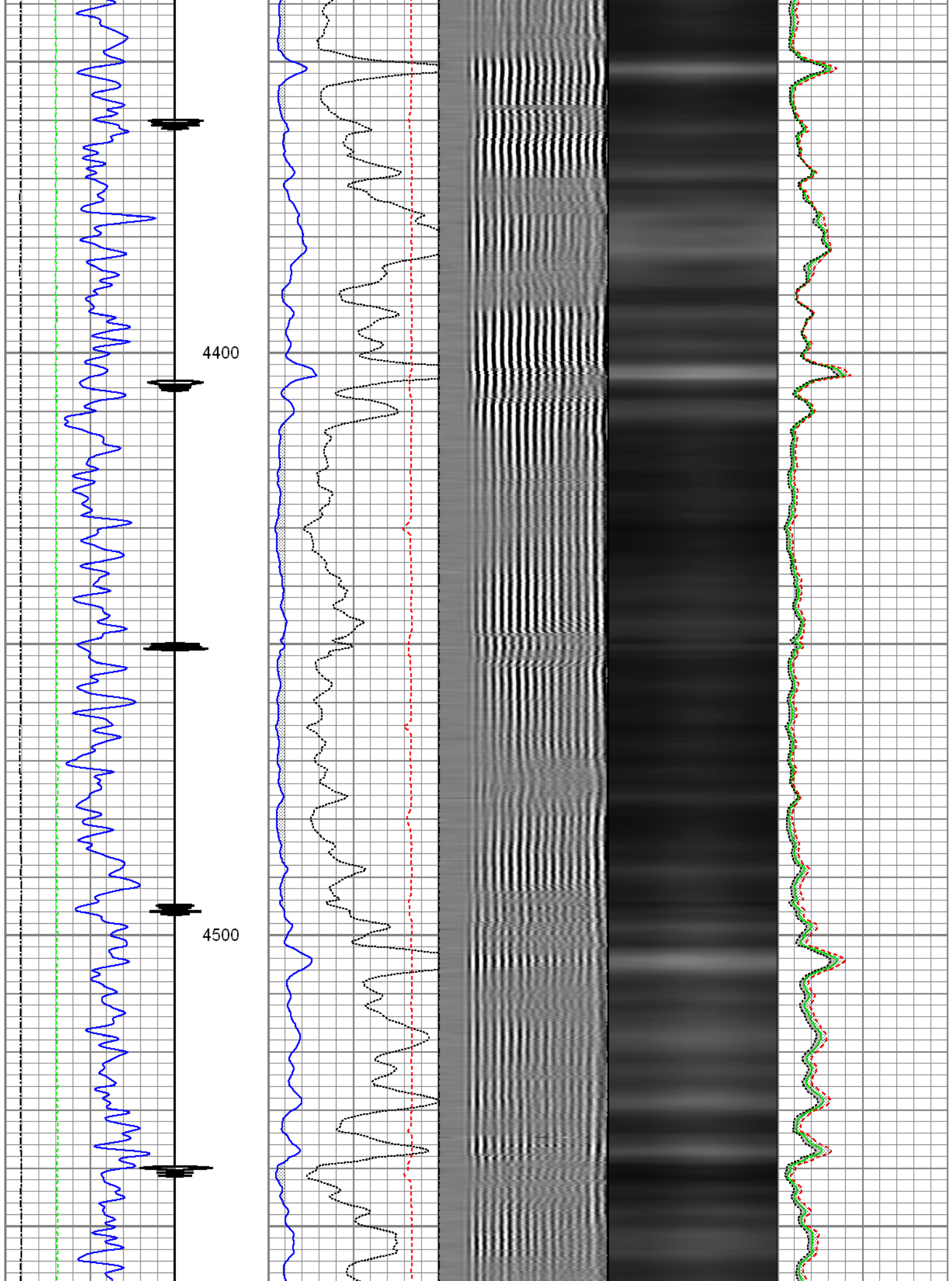


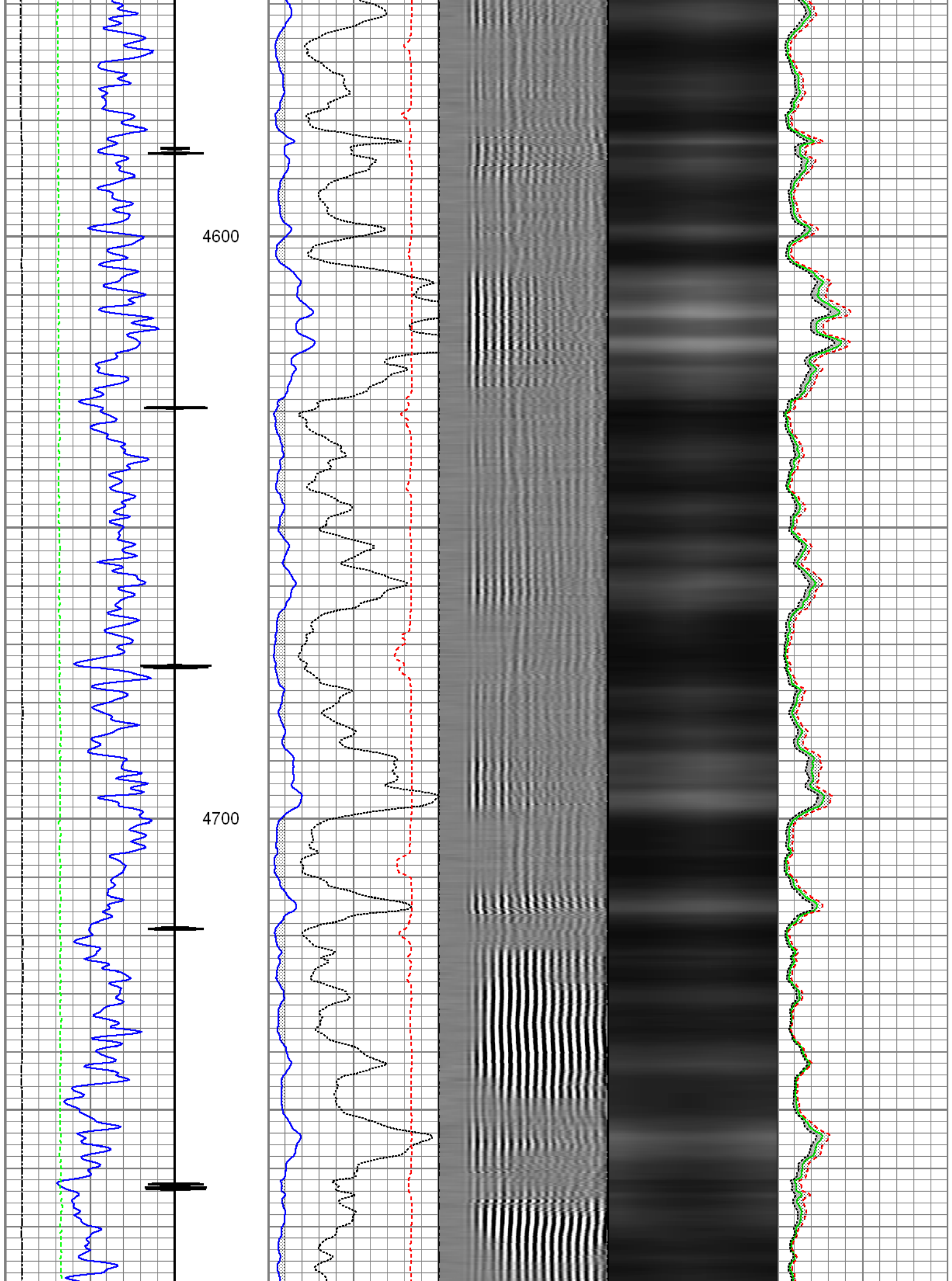


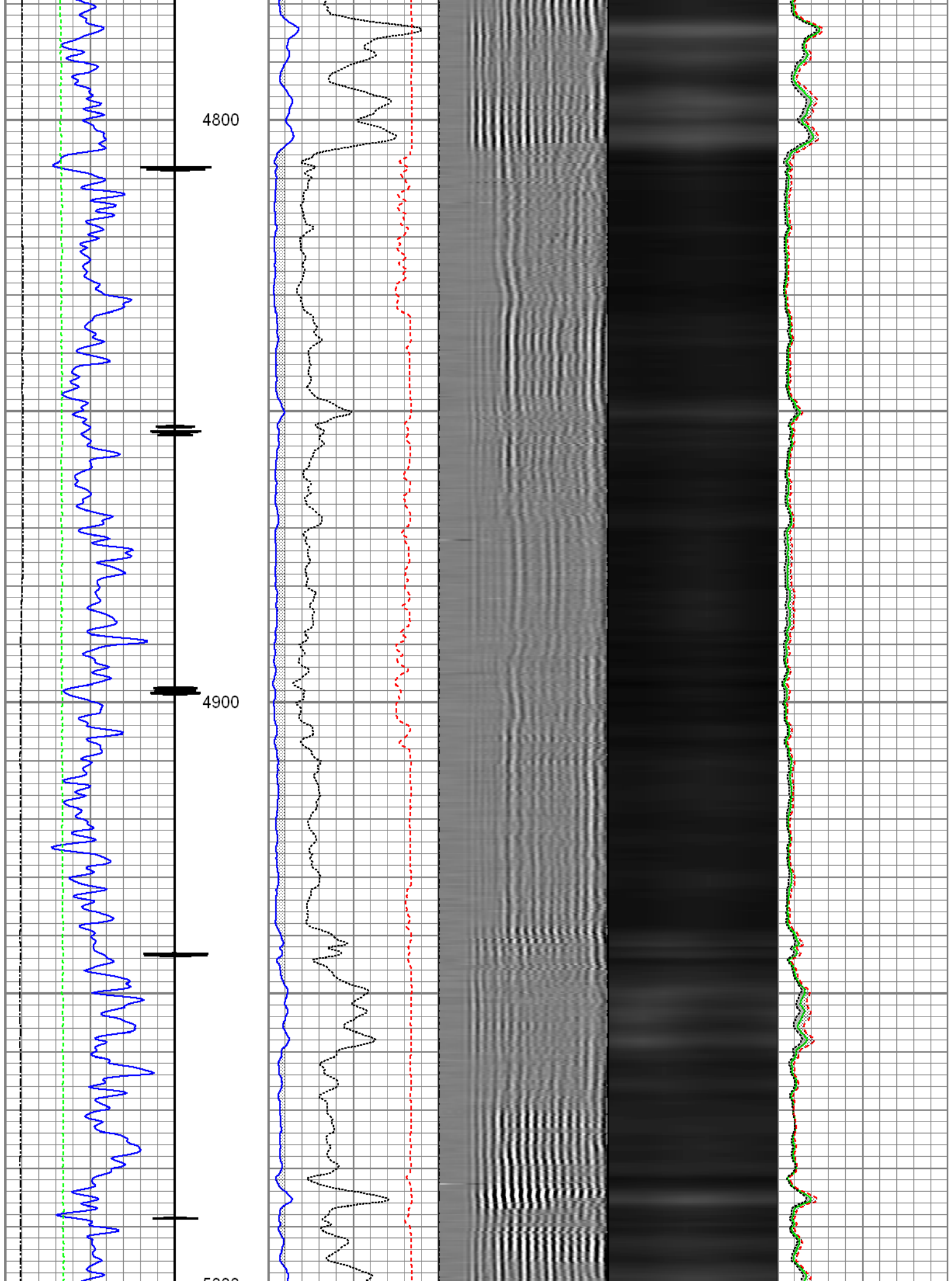


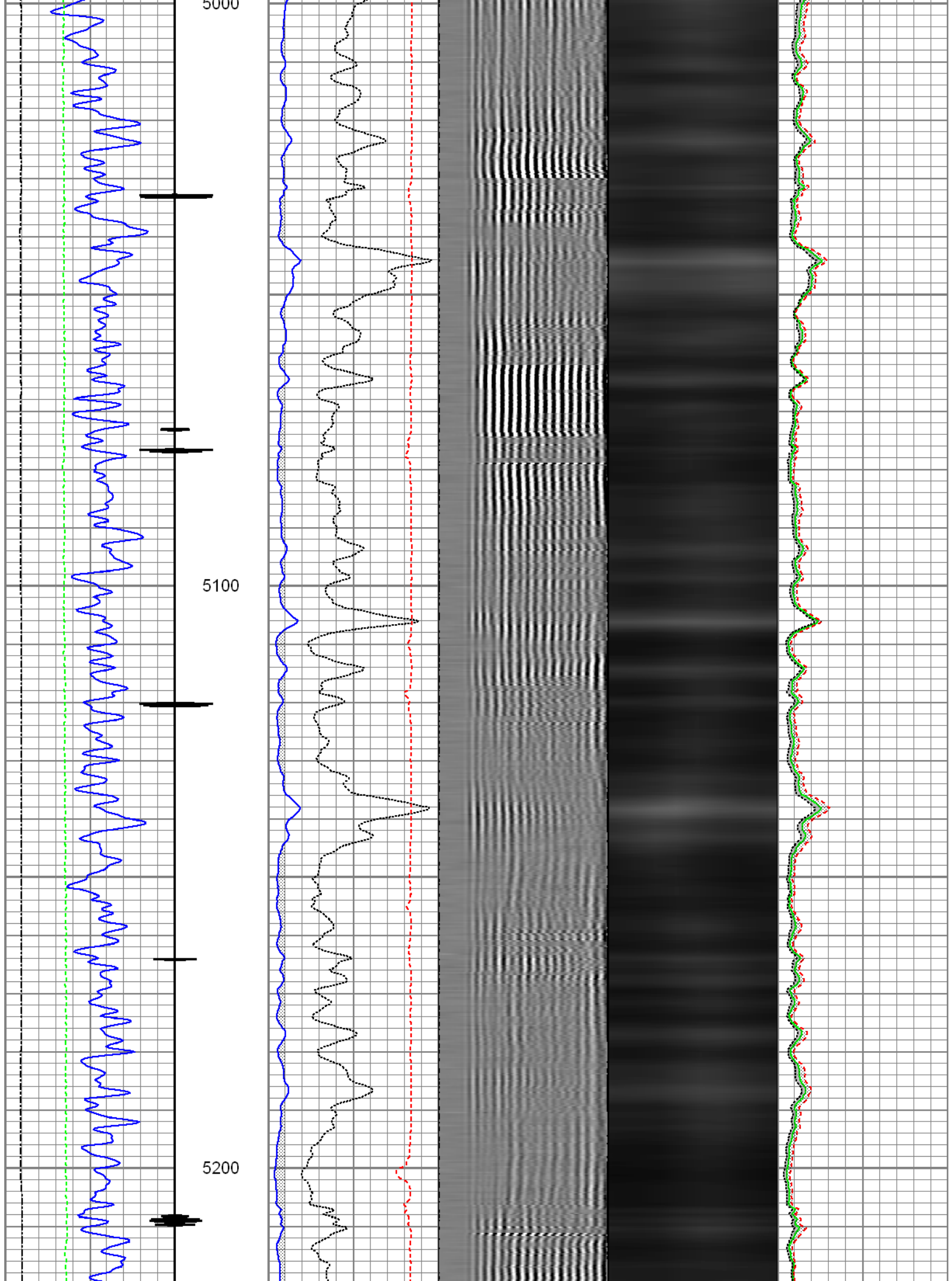


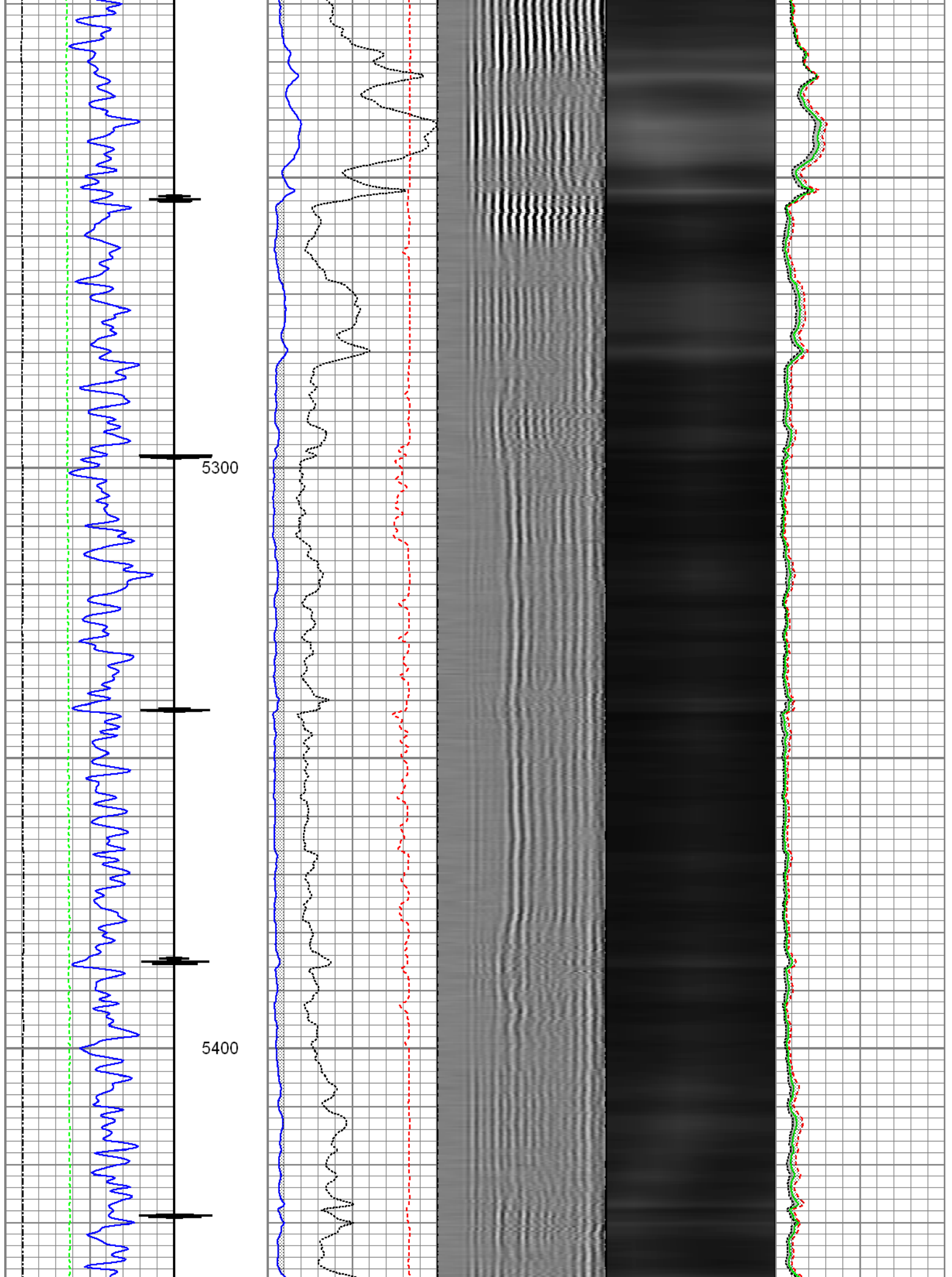


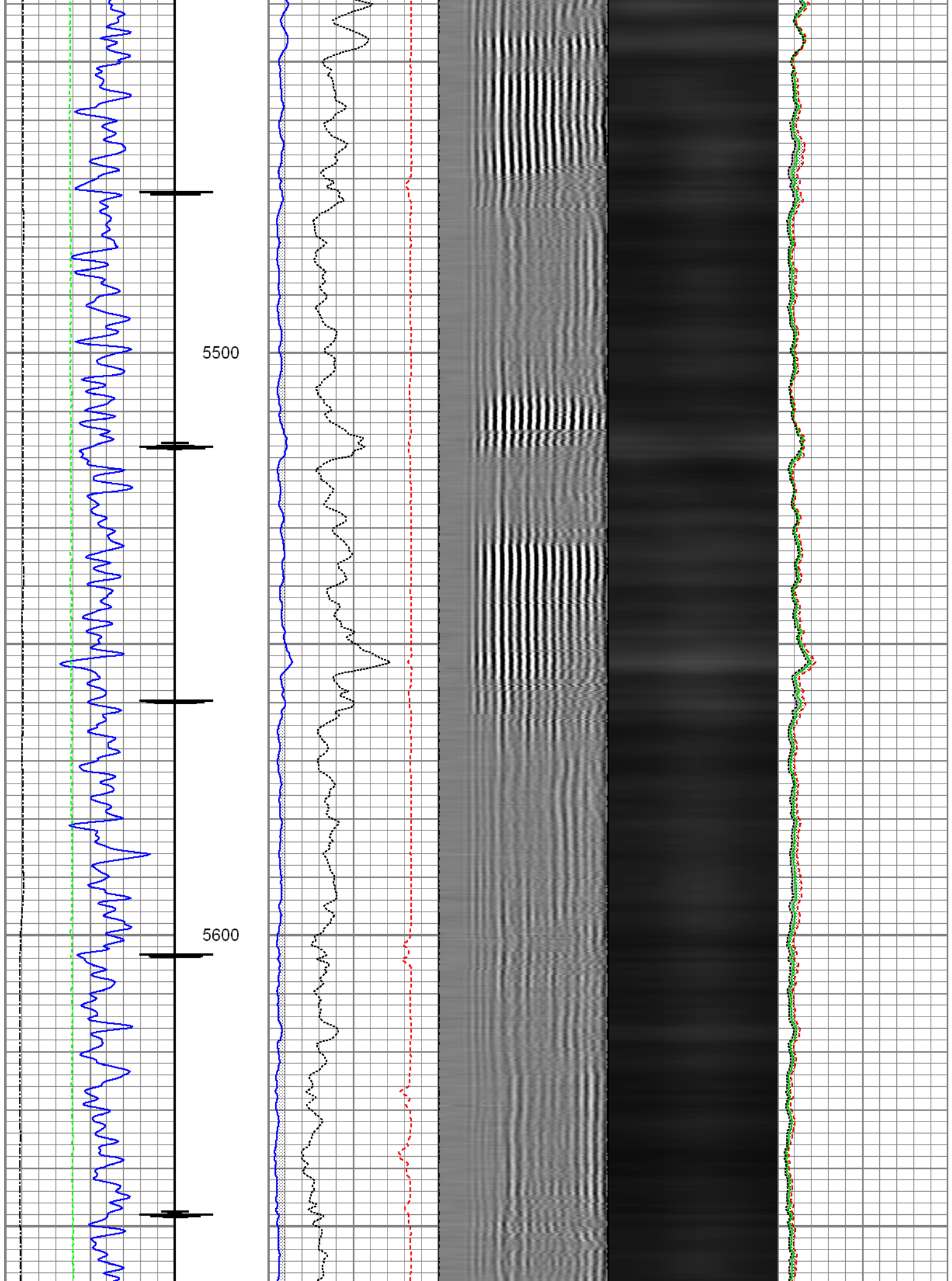


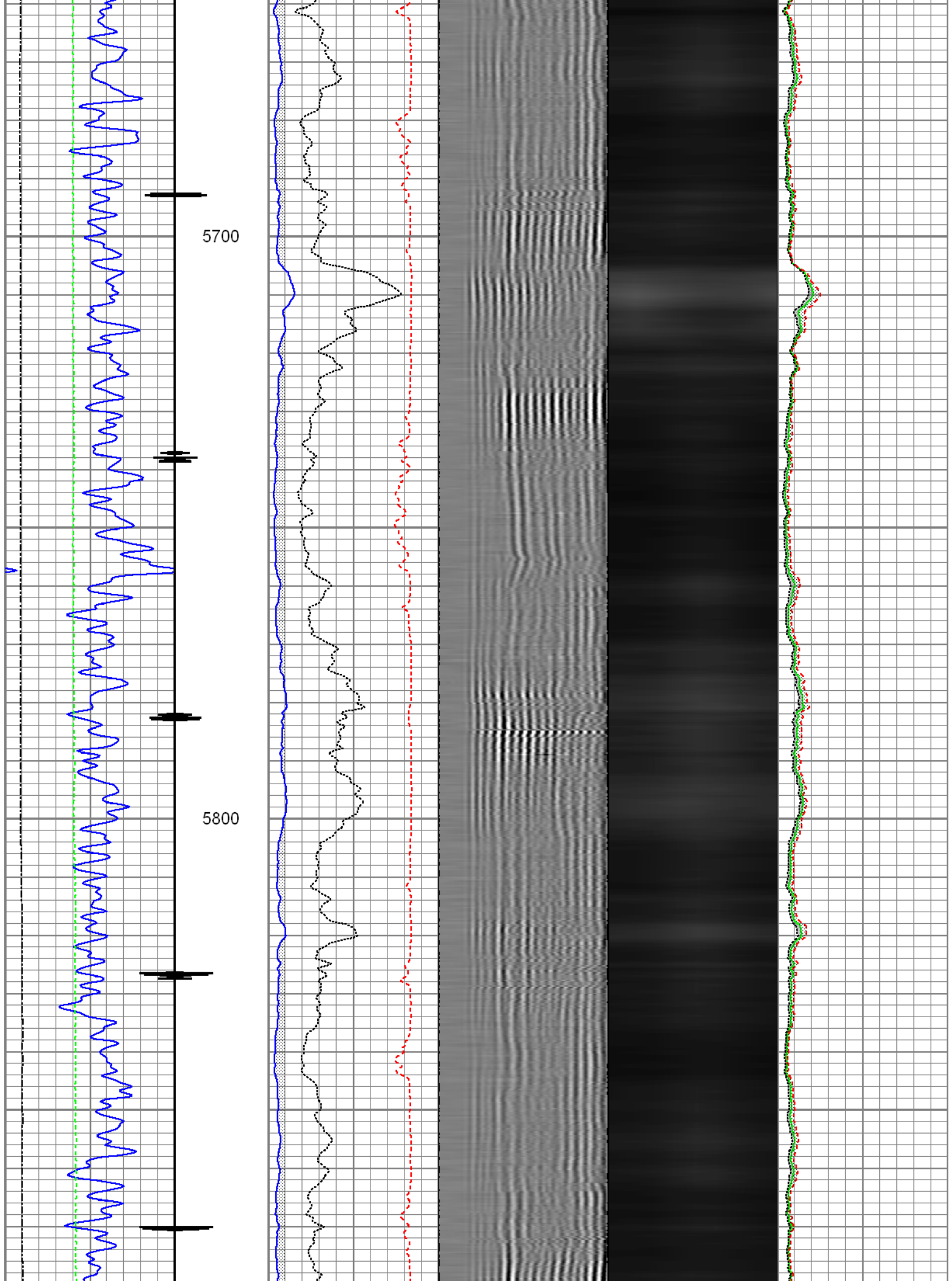


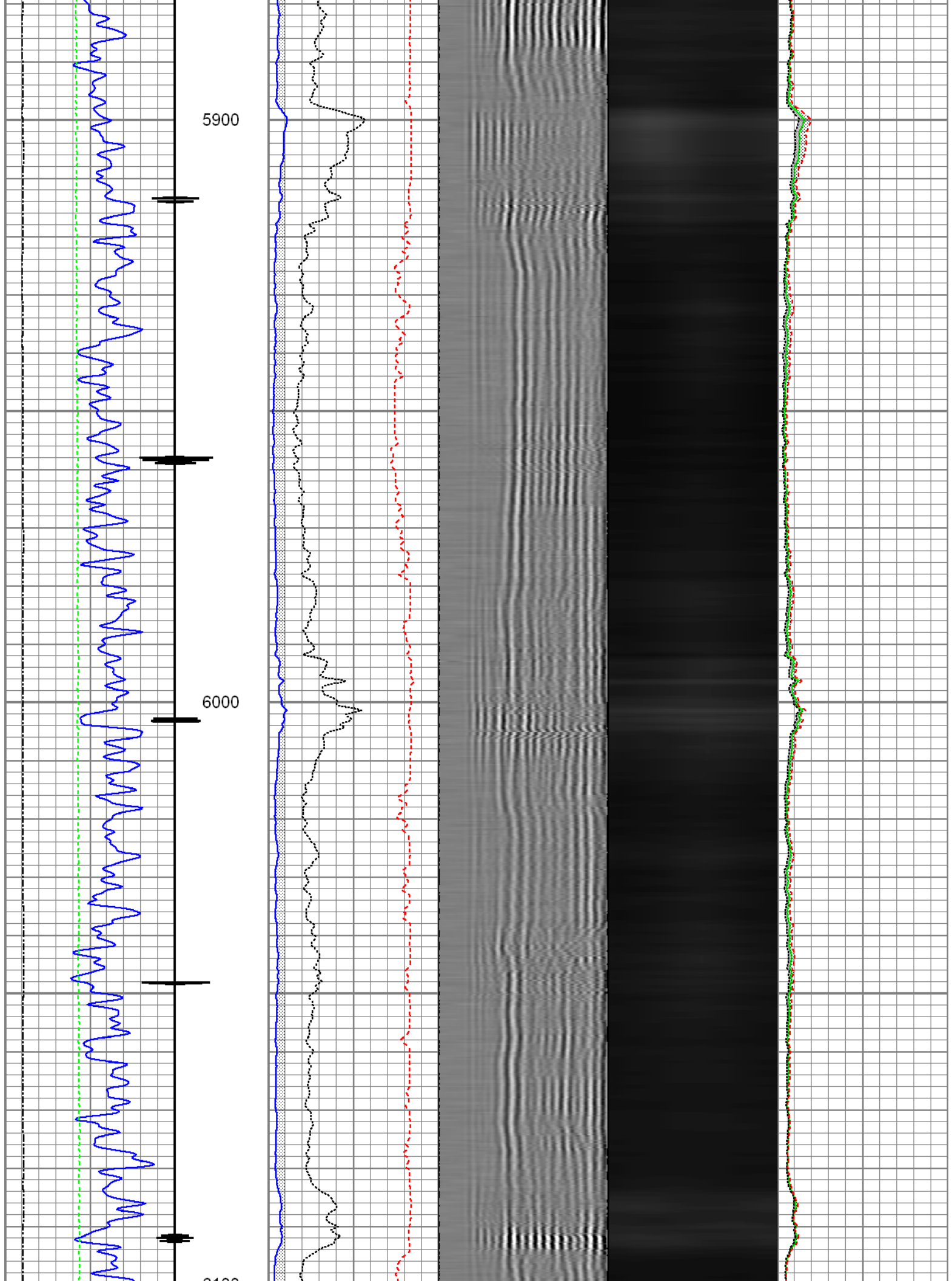


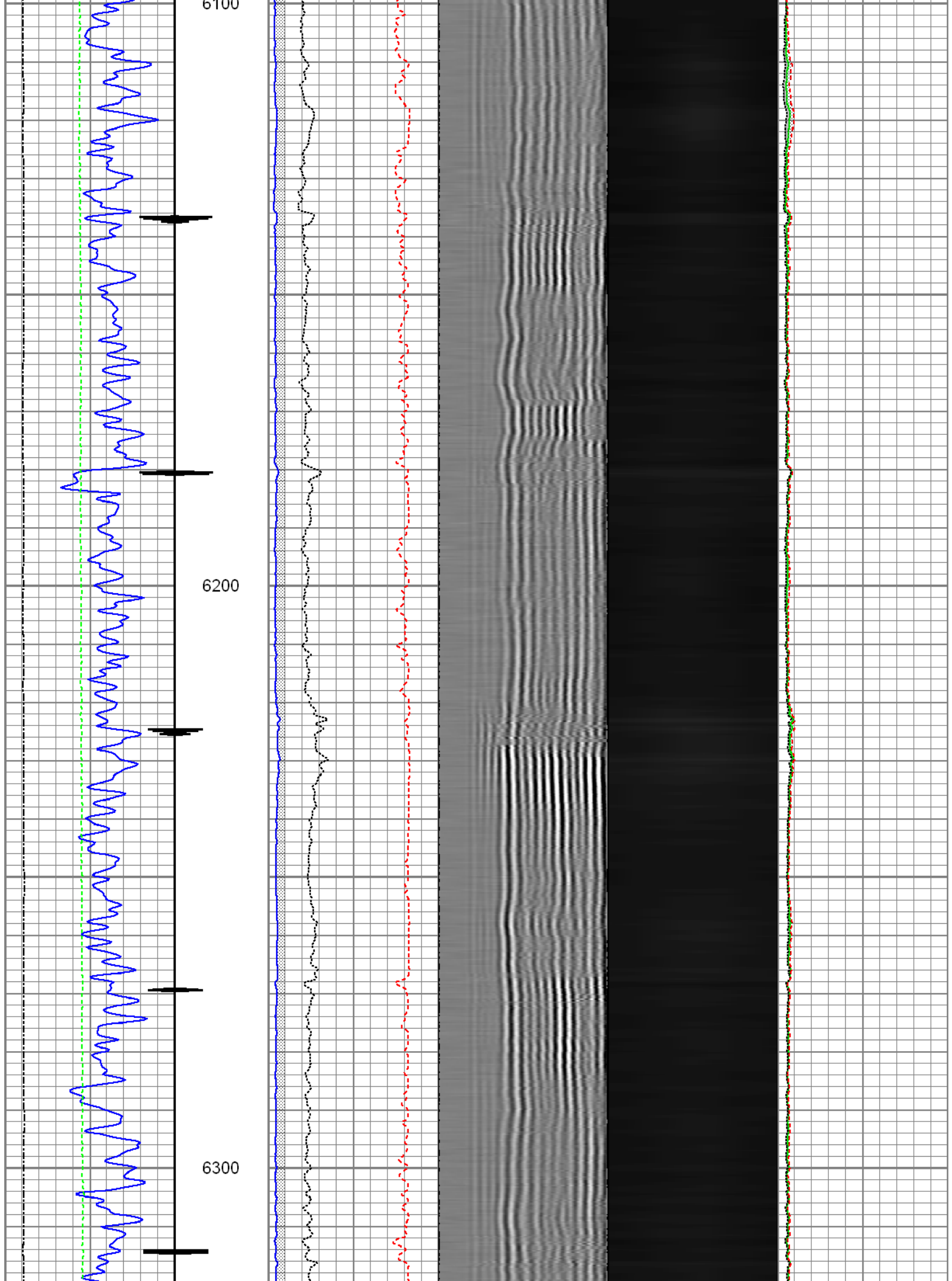


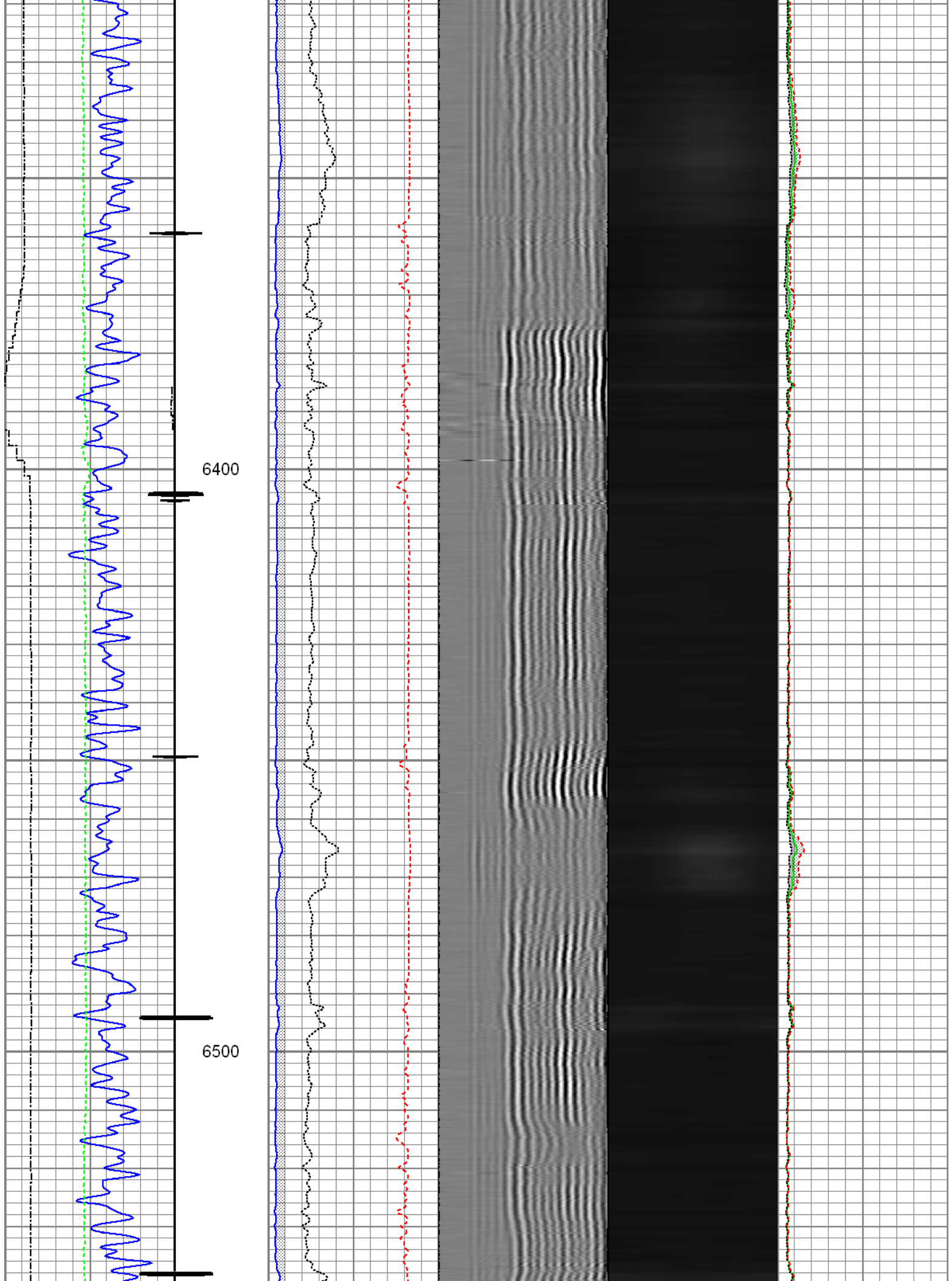


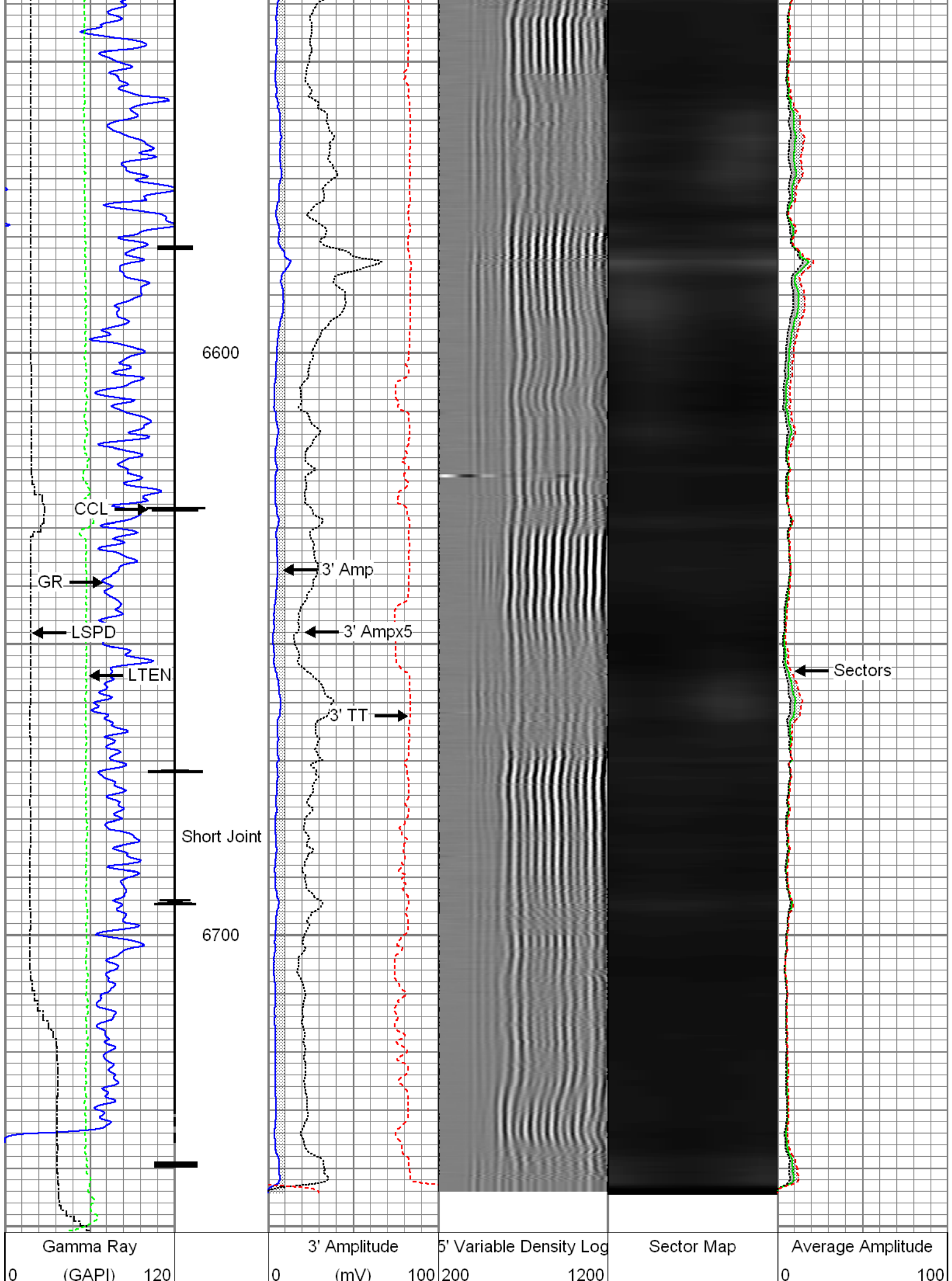













Casing Collar Locator	3' Amplitude x 5	Minimum Amplitude
Line Speed	0 (mV) 20	0 100
-150 (ft/min) 150	3' Travel Time	Maximum Amplitude
Line Tension	650 (usec) 150	0 100
0 (lb) 2000		

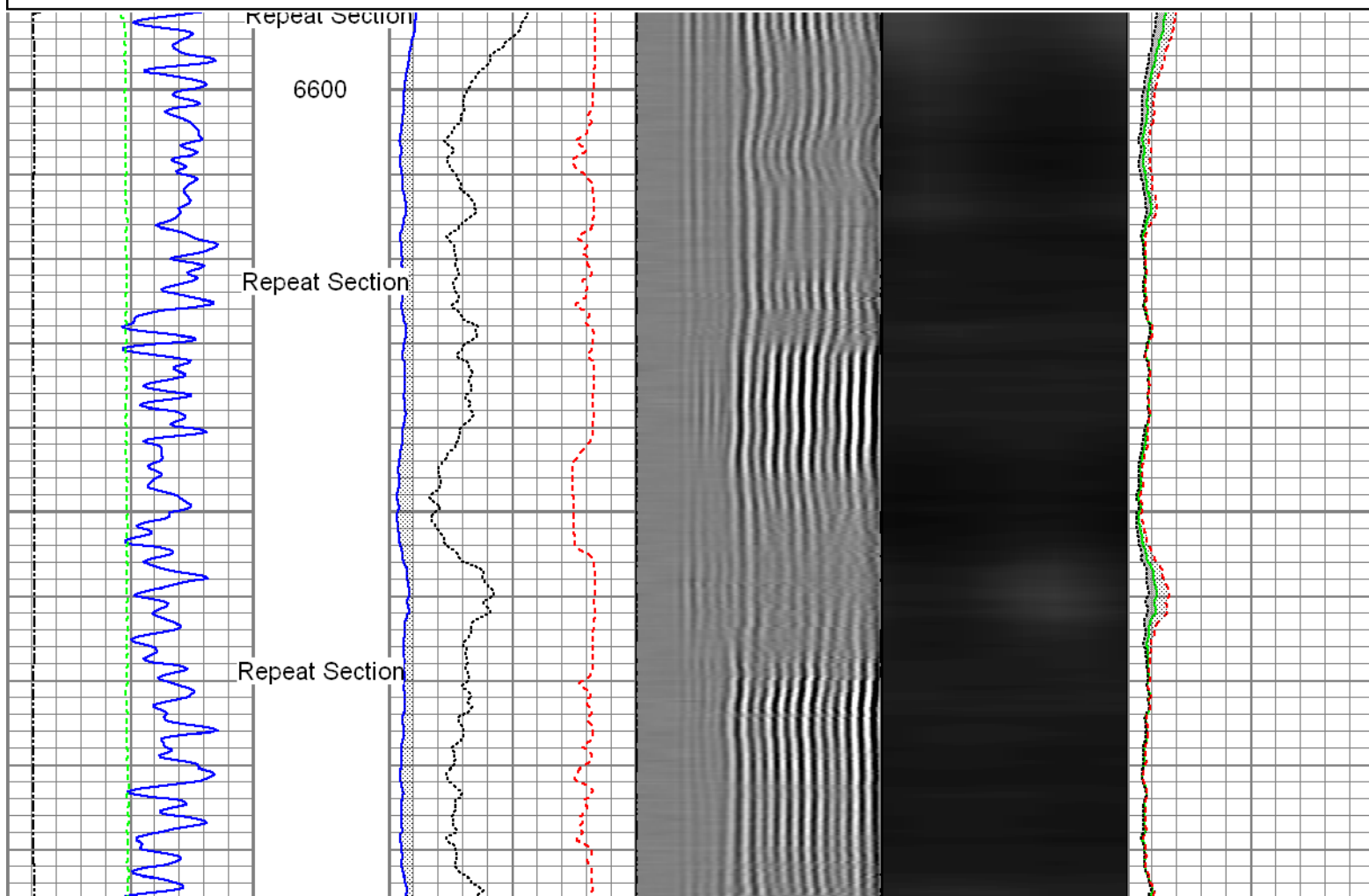


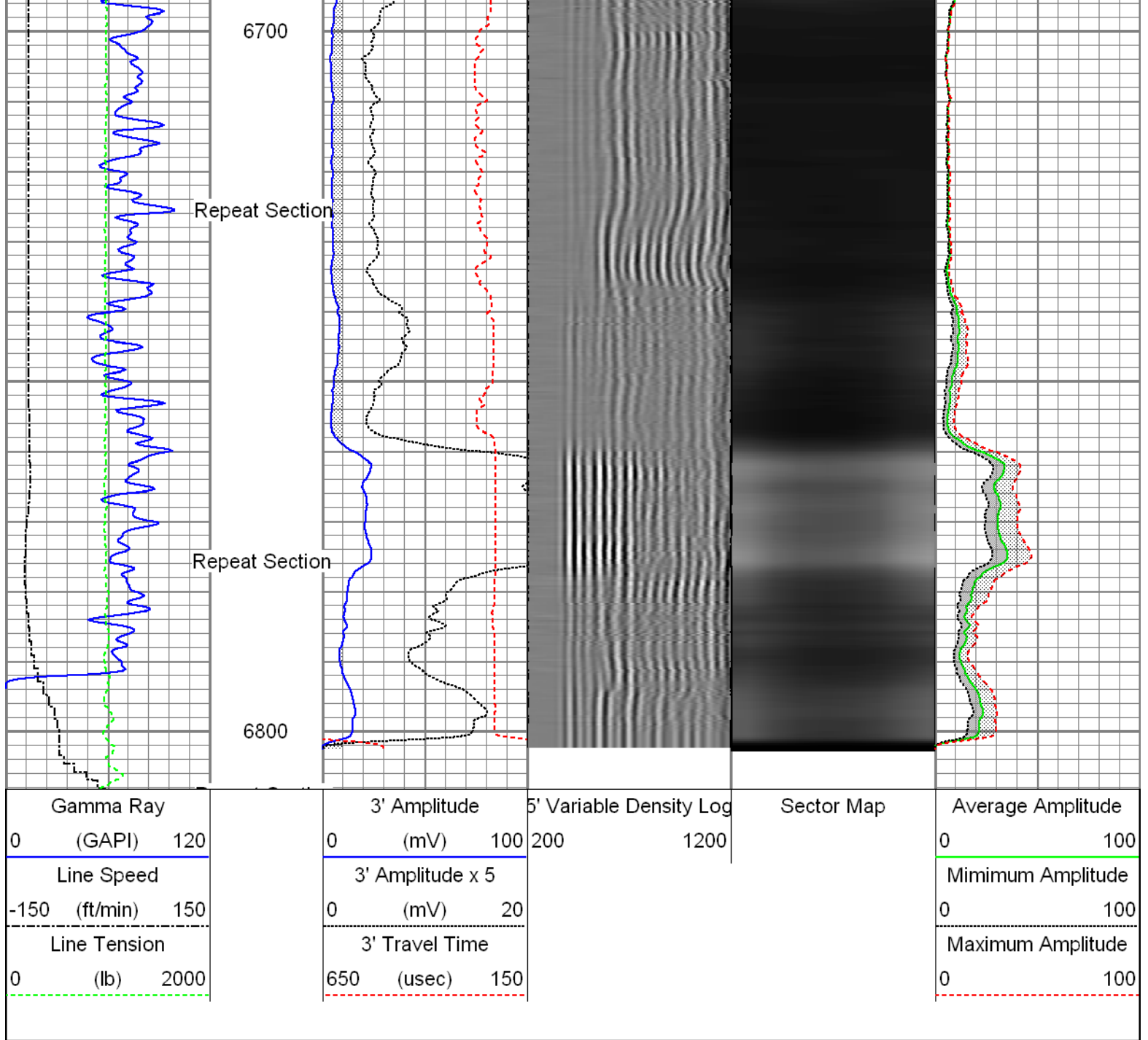
Repeat Pass

Recorded with 2800 PSI Surface Induced Pressure

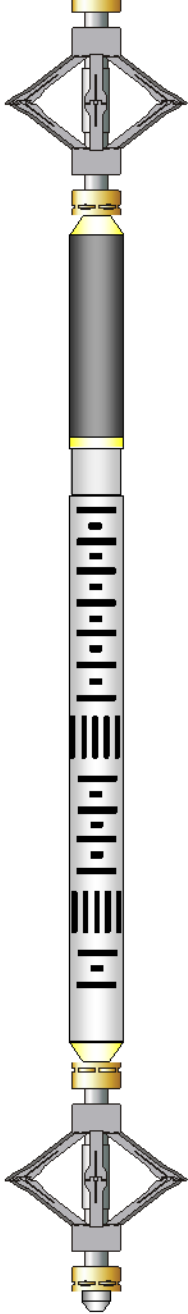

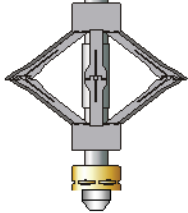
Database File: 0512340838_anadarko_green 3n-8hz_07-29-15_rbl.db
 Dataset Pathname: pass5
 Presentation Format: rbt004
 Dataset Creation: Wed Jul 29 07:46:23 2015 by Log 7.0 B1
 Charted by: Depth in Feet scaled 1:240

Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Line Speed	3' Amplitude x 5			Minimum Amplitude
-150 (ft/min) 150	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	16.90		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 (218874) Crossover Ultrawire Toolbus to Ultralink	1.58	1.69	6.50
			UW_PGR-UW_PGR_020 (10013899) Production Gamma Ray	1.93	1.69	9.50
CCL	15.30		UW_CCL-UW_CCL_028 (10009470) Ultrawire 3-1/8" CCL	1.61	3.13	36.00

			UW_PRC #3 -DSSRAC (082) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
WVF3FT	7.90		UW_RBT-UW_RBT_004 (10013454) Sondex Ultrawire 3-1/8" Radial Bond Tool	9.47	3.13	140.00
WVFS1	7.90					
WVFS2	7.90					
WVFS3	7.90					
WVFS4	7.90					
WVFS5	7.90					
WVFS6	7.90					
WVFS7	7.90					
WVFS8	7.90					
CBLTEMP	7.90					
CBLROT	7.90					
WVF5FT	6.90					
			UW_PRC-DSSRAC (080) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
TSTAMP	0.00		UW_BUL-UW_BUL_006 (218707) Sondex Ultrawire Bullnose Terminator	0.22	1.69	1.20
Dataset: 0512340838_Anadarko_Green 3N-8HZ_07-29-15_RBL.db: field/well/run1/pass7.2 Total Length: 21.15 ft Total Weight: 262.20 lb O.D. 3.13 in						

Calibration Report			
Database File:	0512340838_Anadarko_Green 3N-8HZ_07-29-15_RBL.db		
Dataset Pathname:	pass7.2		
Dataset Creation:	Wed Jul 29 09:10:46 2015 by Calc 7.0 B1		
Segmented Cement Bond Log Calibration Report			
Serial Number:	10013454		
Tool Model:	UW_RBT_004		
Calibration Casing Diameter:	5.500	in	
Calibration Depth:	41.965	ft	
Master Calibration, performed Wed Jul 29 09:02:35 2015:			
Raw (v)	Calibrated (mv)		Results

	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.000	0.949	0.000	71.921	75.814	-0.001
5FT	-0.123	0.896	0.000	71.921	70.562	8.692
S1	0.000	0.938	0.000	100.000	106.613	-0.001
S2	-0.002	0.970	0.000	100.000	102.909	0.230
S3	-0.001	0.982	0.000	100.000	101.684	0.141
S4	-0.002	0.986	0.000	100.000	101.213	0.226
S5	-0.001	0.977	0.000	100.000	102.288	0.096
S6	-0.001	0.962	0.000	100.000	103.777	0.148
S7	-0.001	0.937	0.000	100.000	106.645	0.112
S8	-0.001	0.940	0.000	100.000	106.329	0.060

Gamma Ray Calibration Report			
Serial Number:	10013899		
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	Green 3N-8HZ
	Field	Wattenberg
	County	Weld
	State	Colorado