



Radial Cement Bond  
Gamma Ray  
Casing Collar Log

Company	Kerr-McGee Oil & Gas OnShore L.P.				
Well	Adamson 35C-28HZ				
Field	Wattenberg				
County	Weld				
State	Colorado				
Location:	API # : 05-123-41824				
SEC 21 TWP 2N RGE 65W	Other Services				
	Gauge Ring				
	Elevation				
	Permanent Datum Ground Level Elevation 4892'				
Log Measured From	Kelly Bushing 20 FT				K.B. 4912'
Drilling Measured From	Kelly Bushing				D.F. 4911'
					G.L. 4892'

Date	05-NOV-2015
Run Number	Two
Depth Driller	13222 FT
Depth Logger	7516 FT
Bottom Logged Interval	7512 FT
Top Log Interval	Surface
Open Hole Size	7.875"
Type Fluid	Water
Density / Viscosity	8.34 lbm/gal
Max. Recorded Temp.	244°F
Estimated Cement Top	Surface
Time Well Ready	ROA
Time Logger on Bottom	13:15
Equipment Number	HD-0340
Location	Fort Lupton, CO
Recorded By	Rob Cameron
Witnessed By	Josh Gustafson

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record	Size (in)	Wgt (lbs/ft)	Grade	Top	Bottom		
Surface Casing	9 5/8	36	J-55	Surface	1854 FT		
Intermediate #1	5 1/2	17	HCP-110	Surface	13222 FT		
Intermediate #2							
Liner							

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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 referenced to Casing Tally reported Marker Joint at 6672 FT  
Adjusted log +8 FT to correlate with Marker Joint  
Gauge Ring/Junk Basket ran to 7508 FT with no debris found  
Log ran from as deep as possible in heel to surface  
Recorded with 2800 PSI surface induced pressure  
No debris found on logging tools upon completion of operations  
  
Thank you for choosing FMC Technologies Completion Services, Inc.!!



Main Pass

Recorded with 2800 PSI Surface Induced Pressure

Database File:0512341824\_anadarko\_adamson 35c-28hz\_11-05-15\_rbl.db

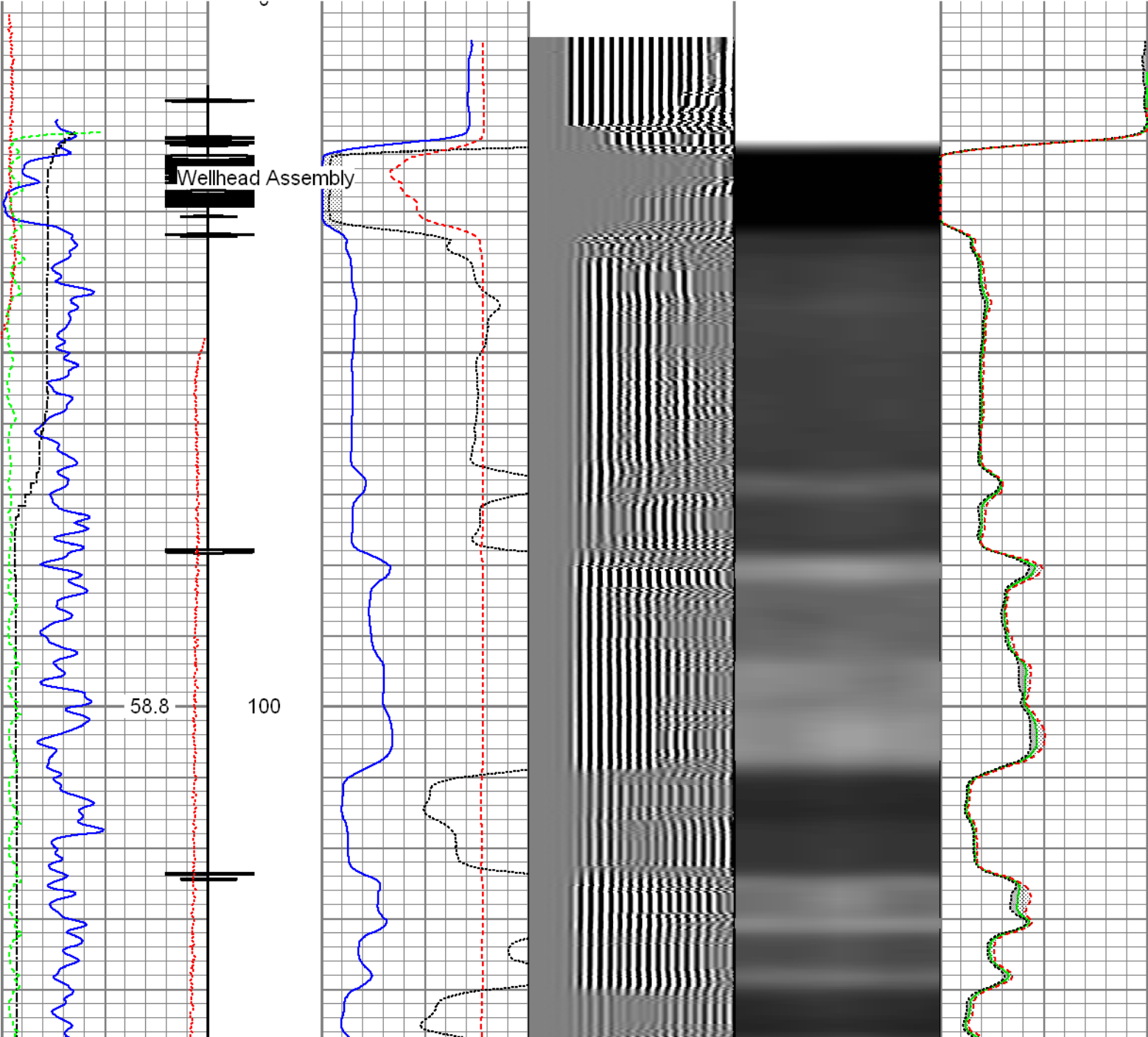
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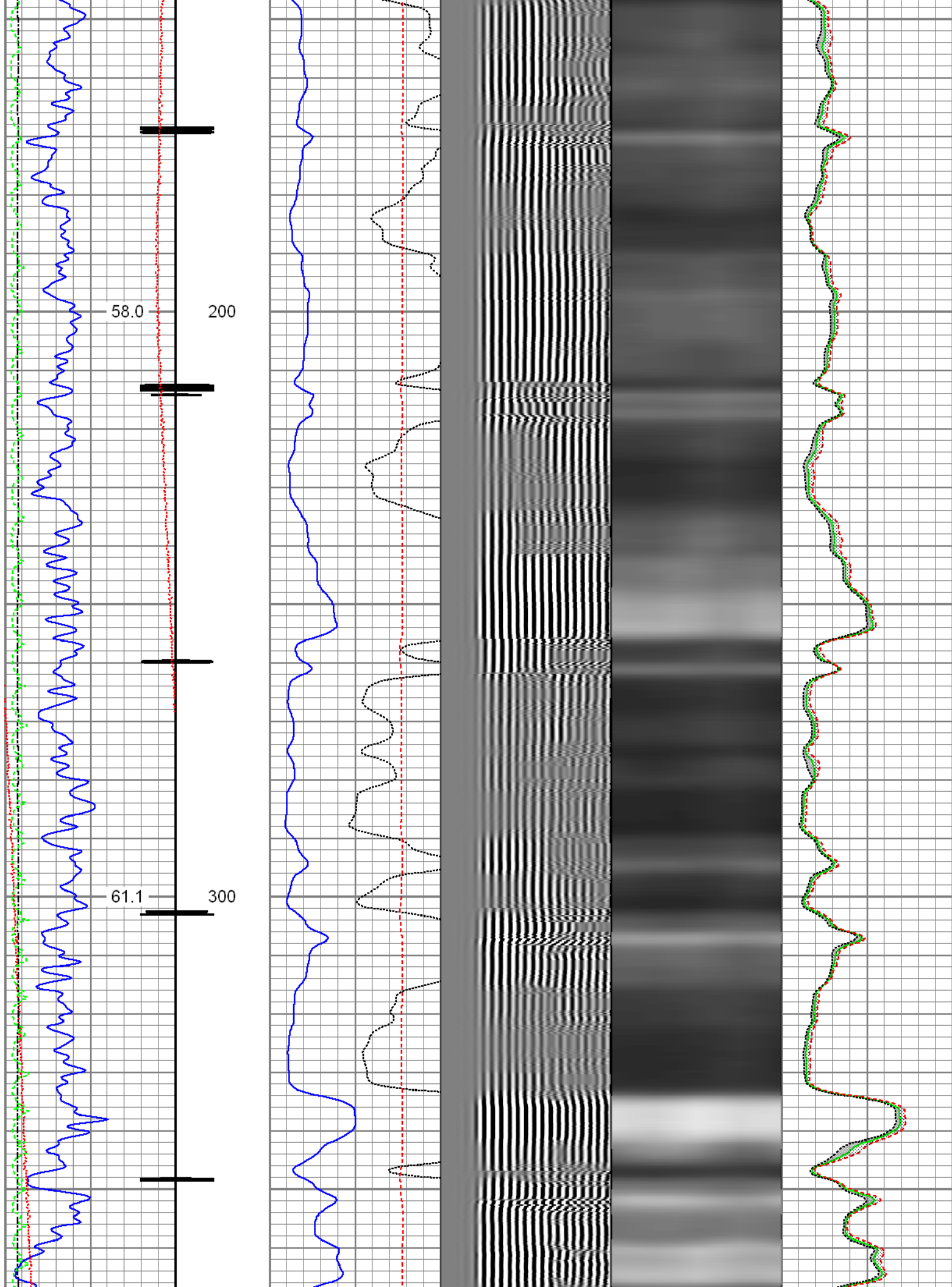
Presentation Format:radii

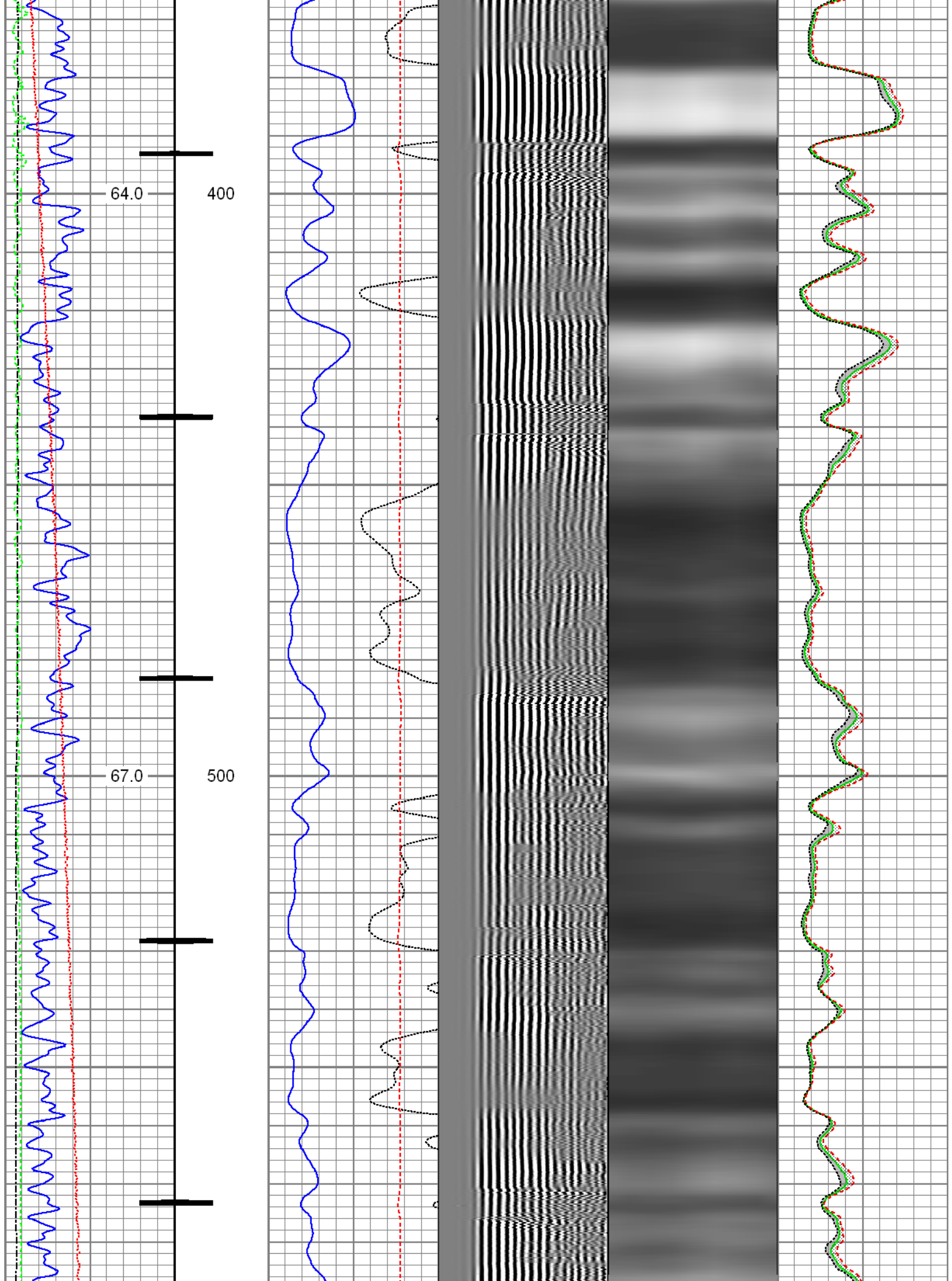
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Charted by:Depth in Feet scaled 1:240

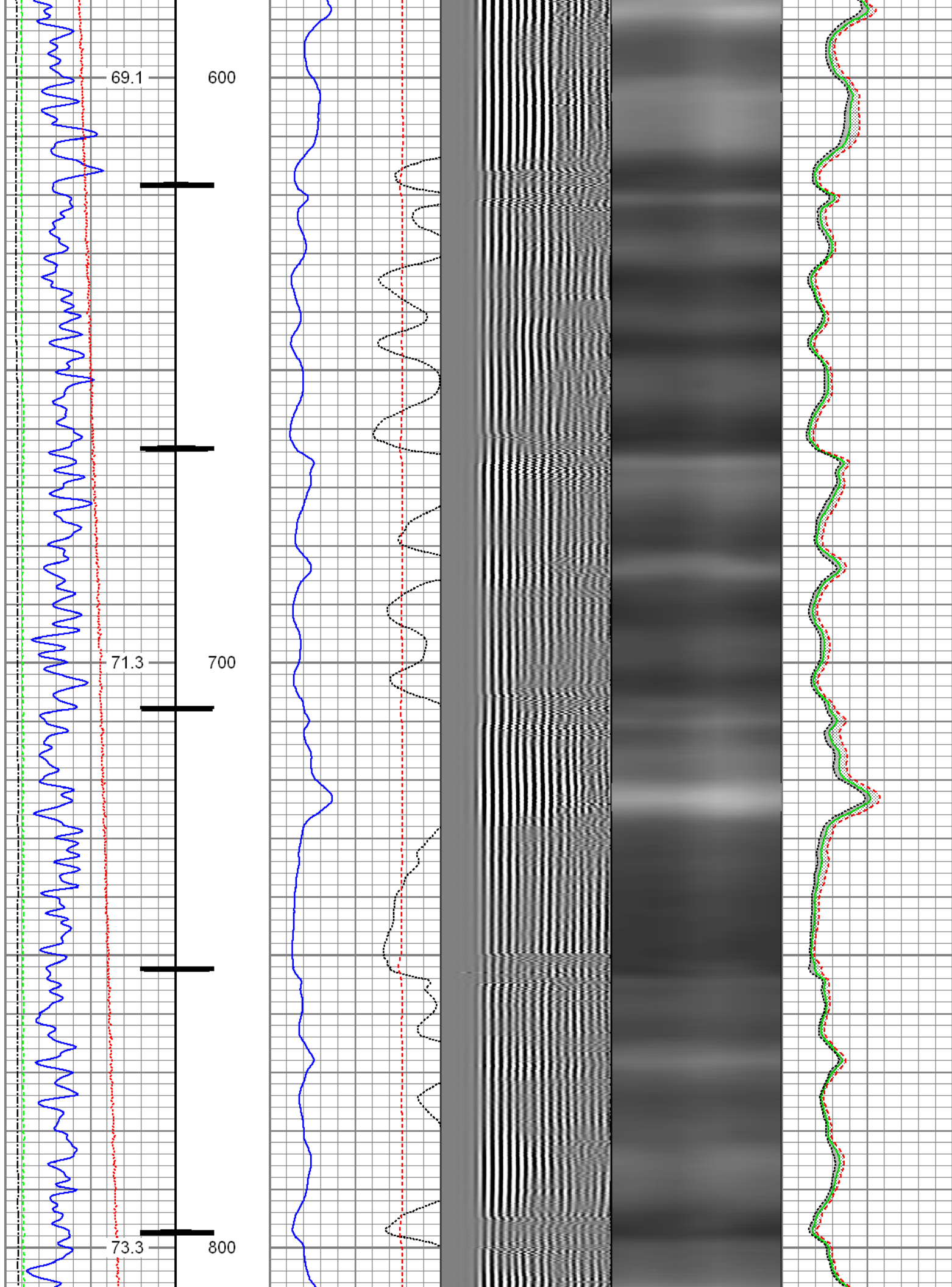
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Mimimum Amplitude
Temperature	0 (mV) 20			0 100
0 (degF) 20	3' Travel Time			Maximum Amplitude
Line Speed	650 (usec) 150			0 100
-150 (ft/min) 150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

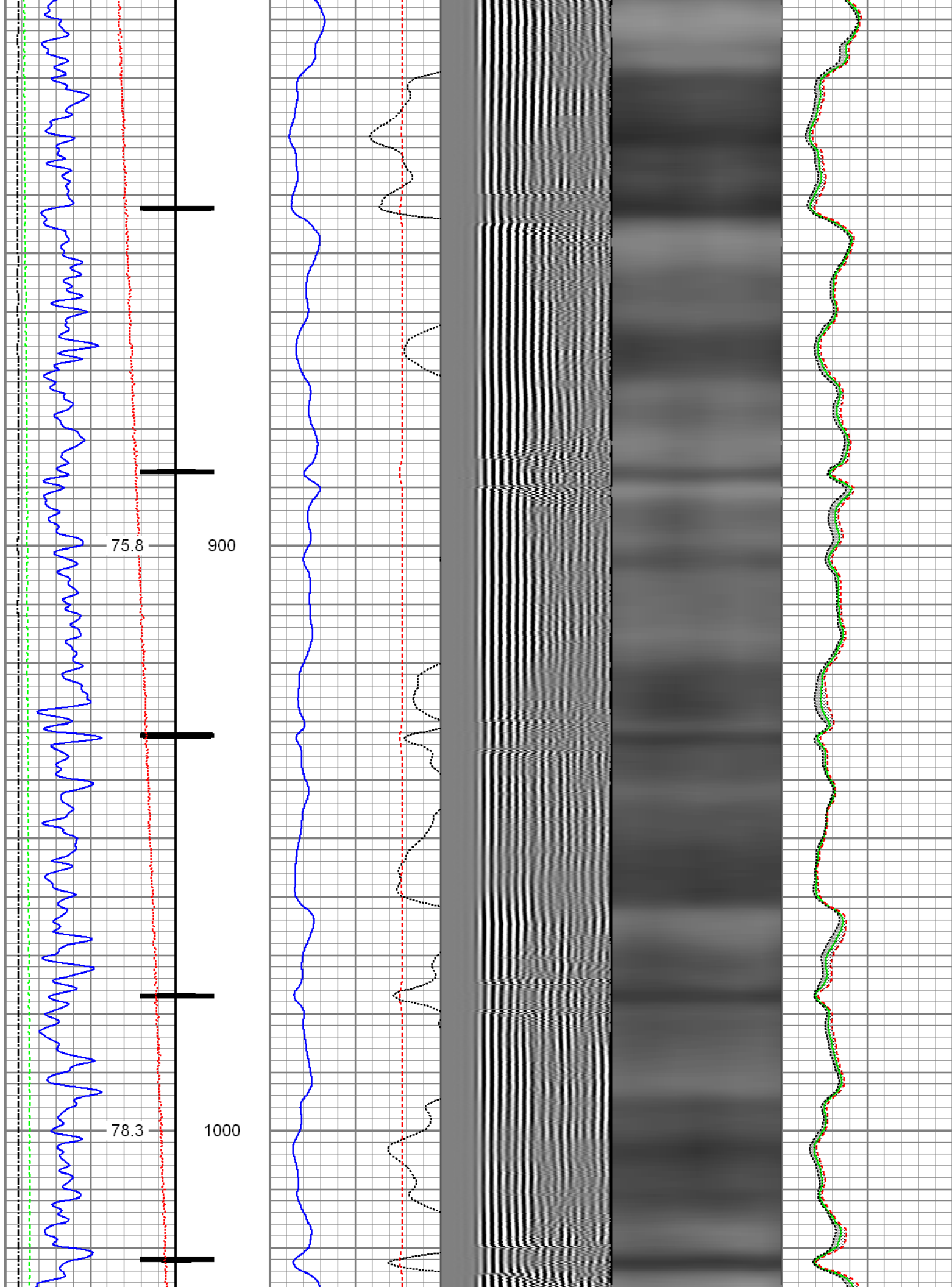


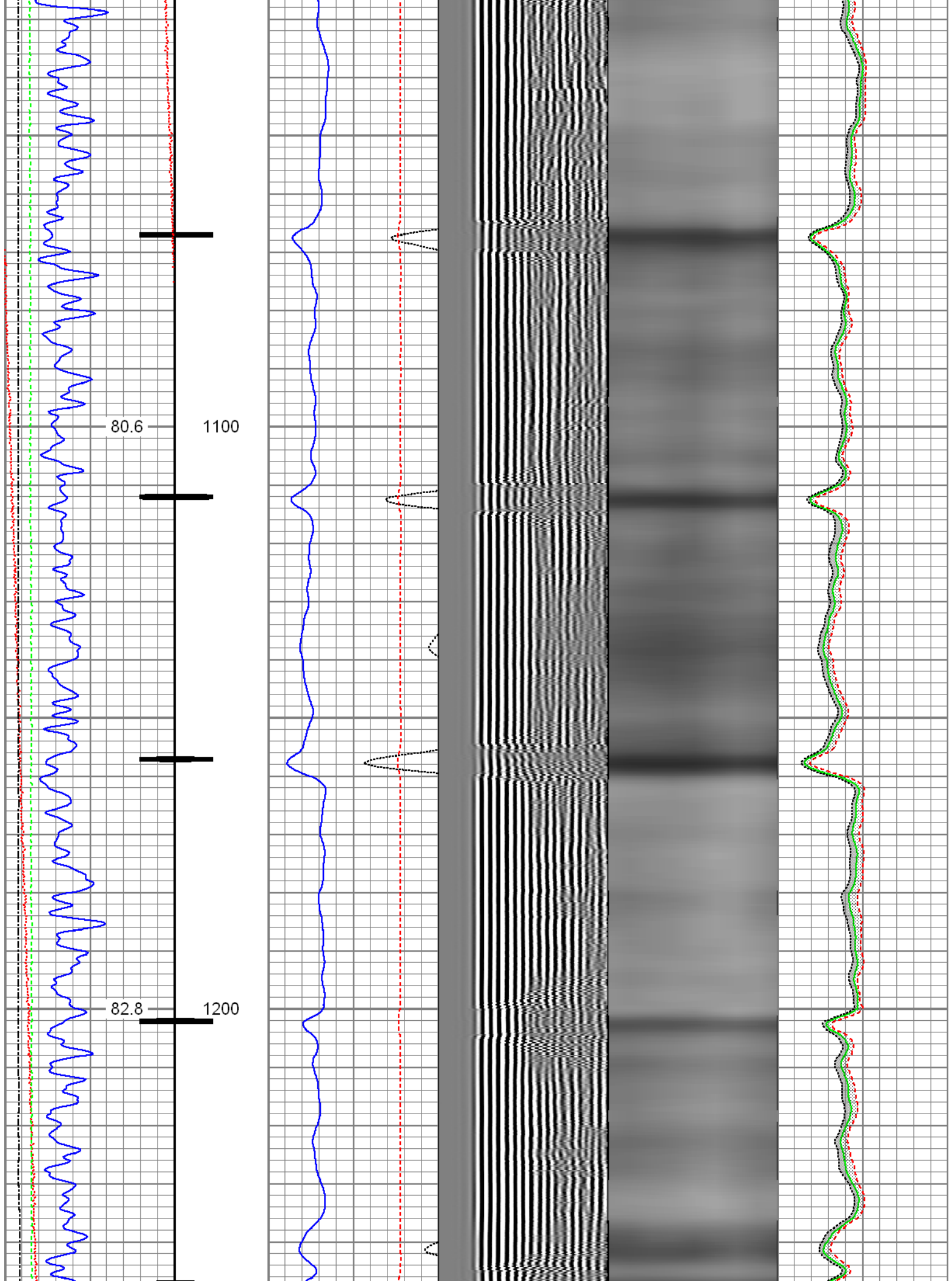




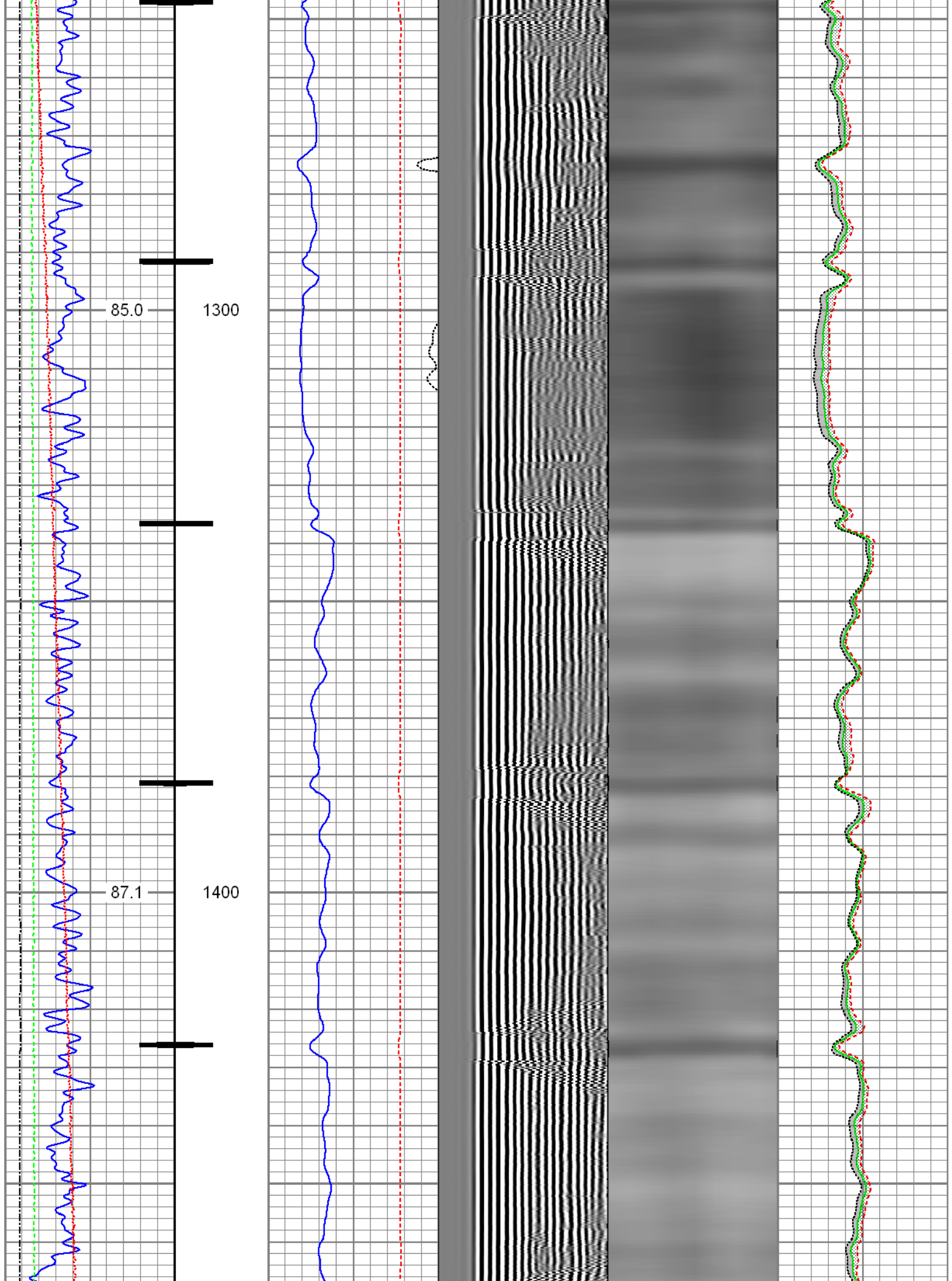




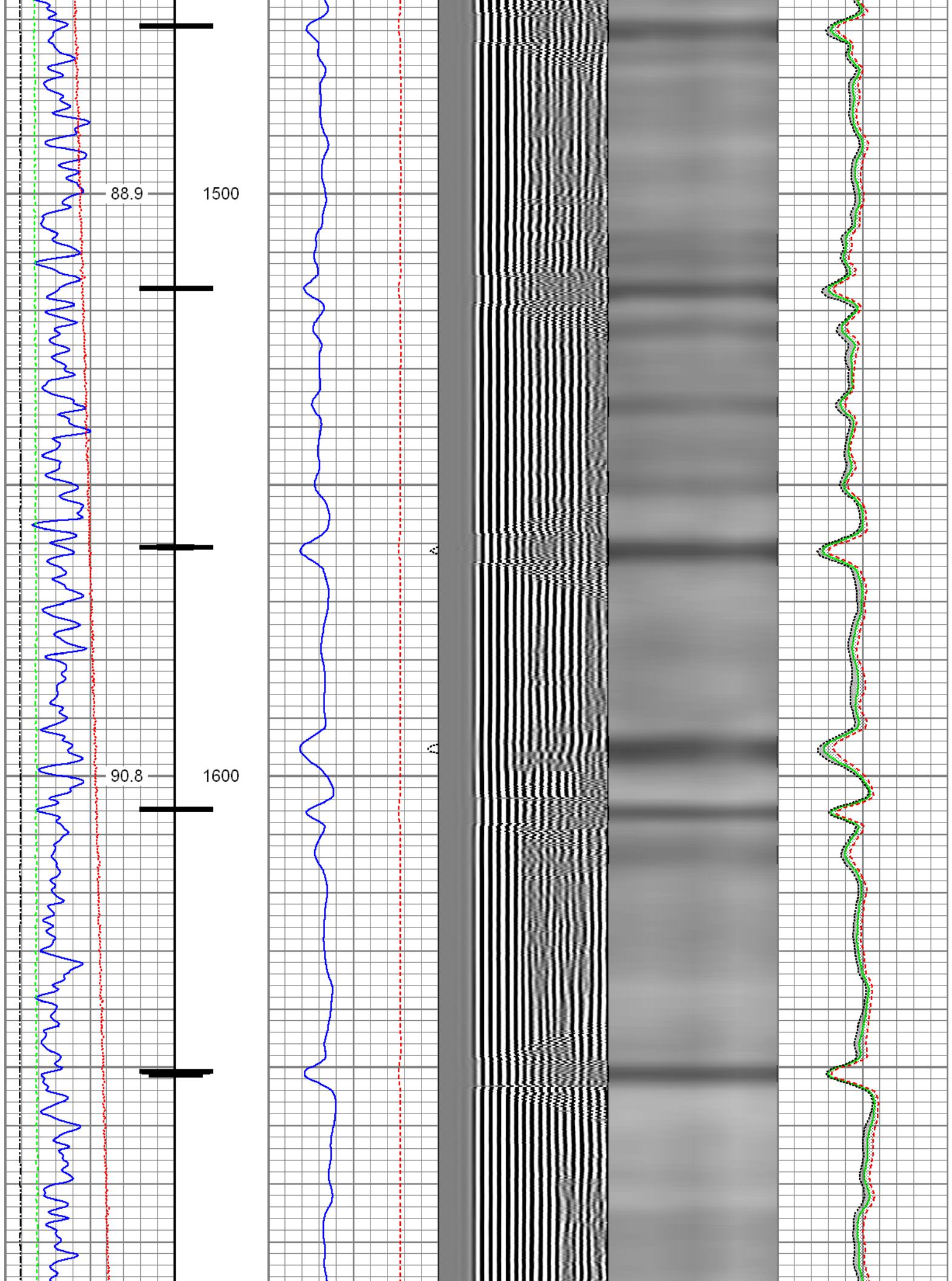


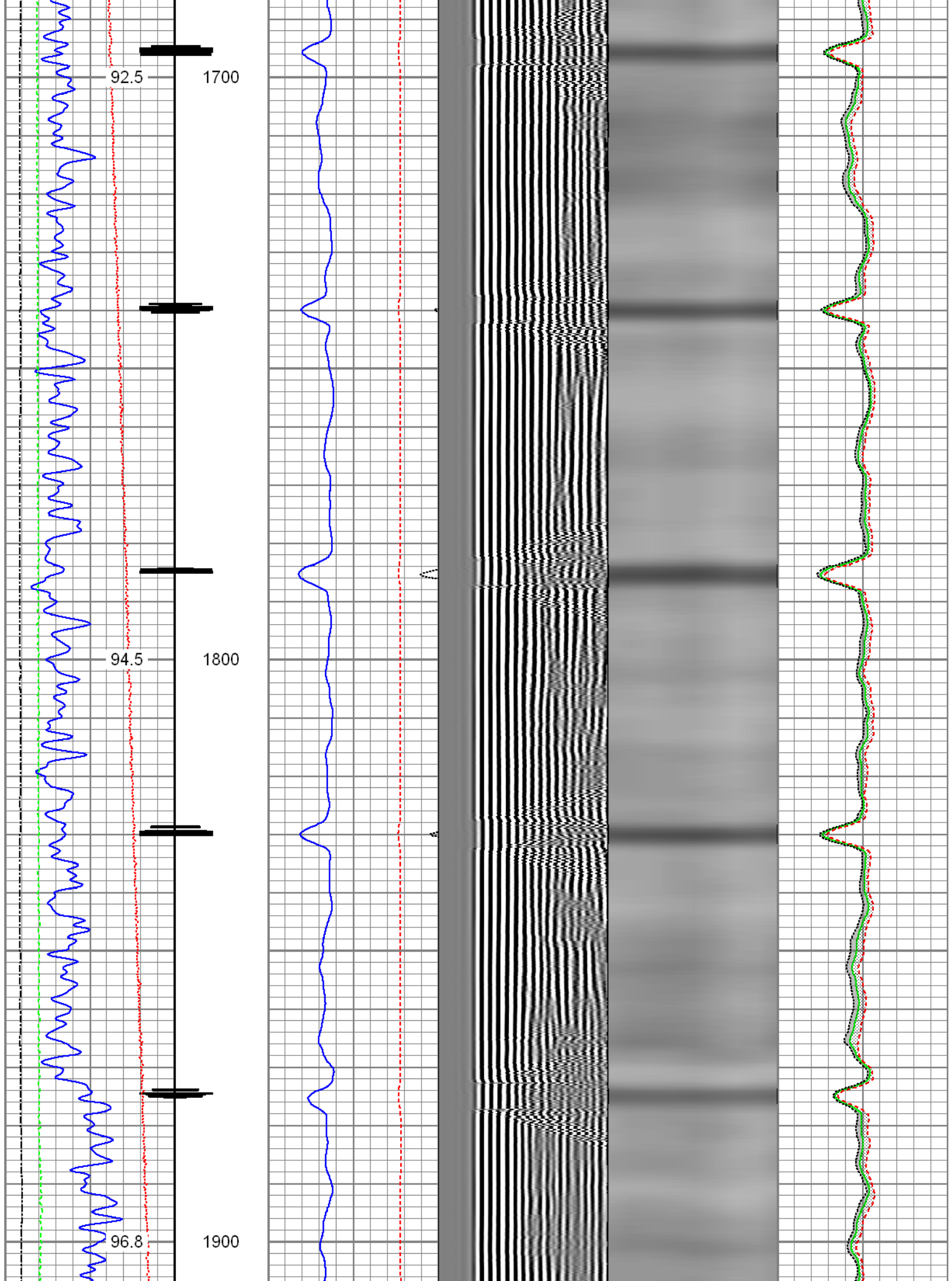


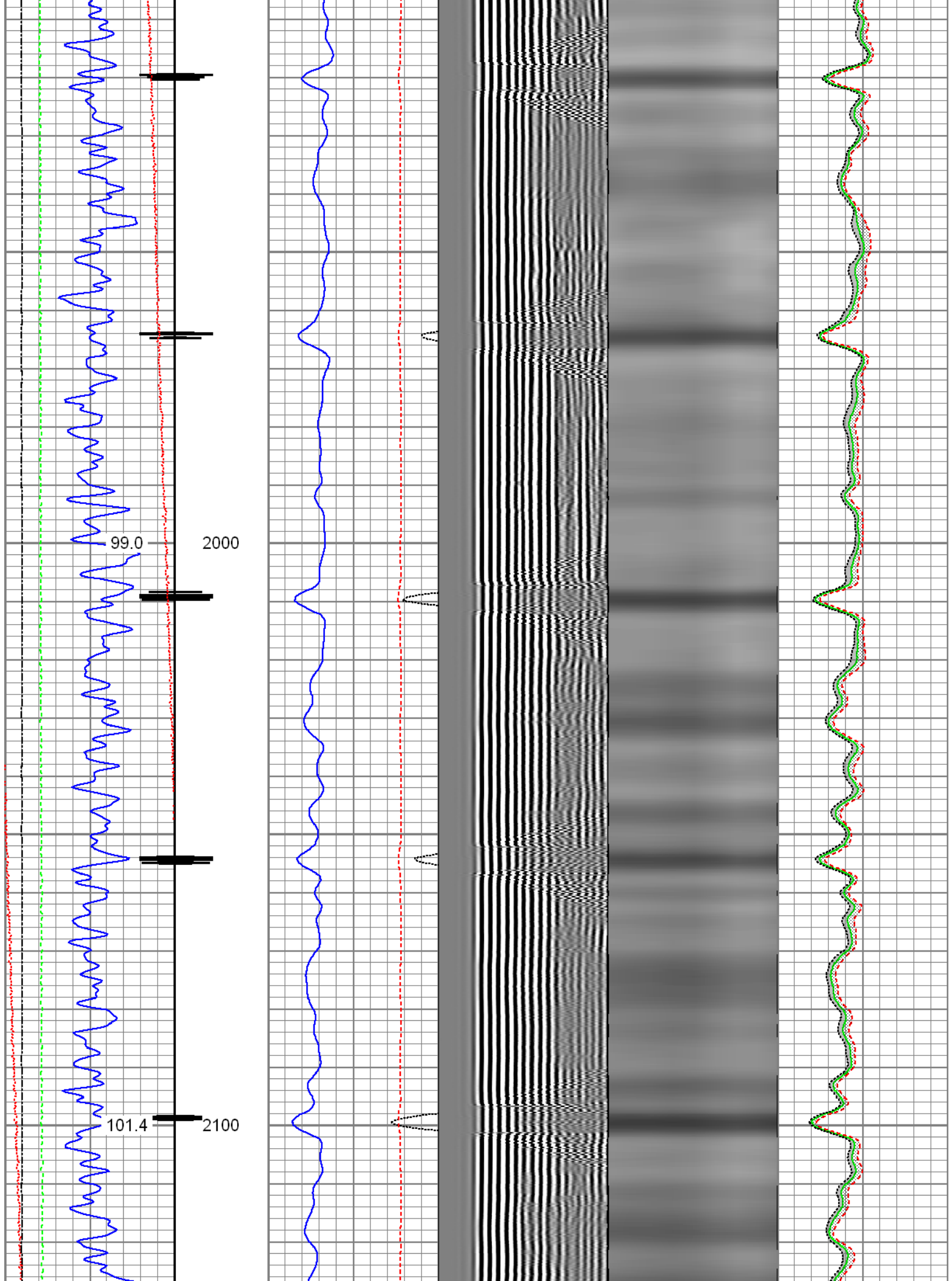


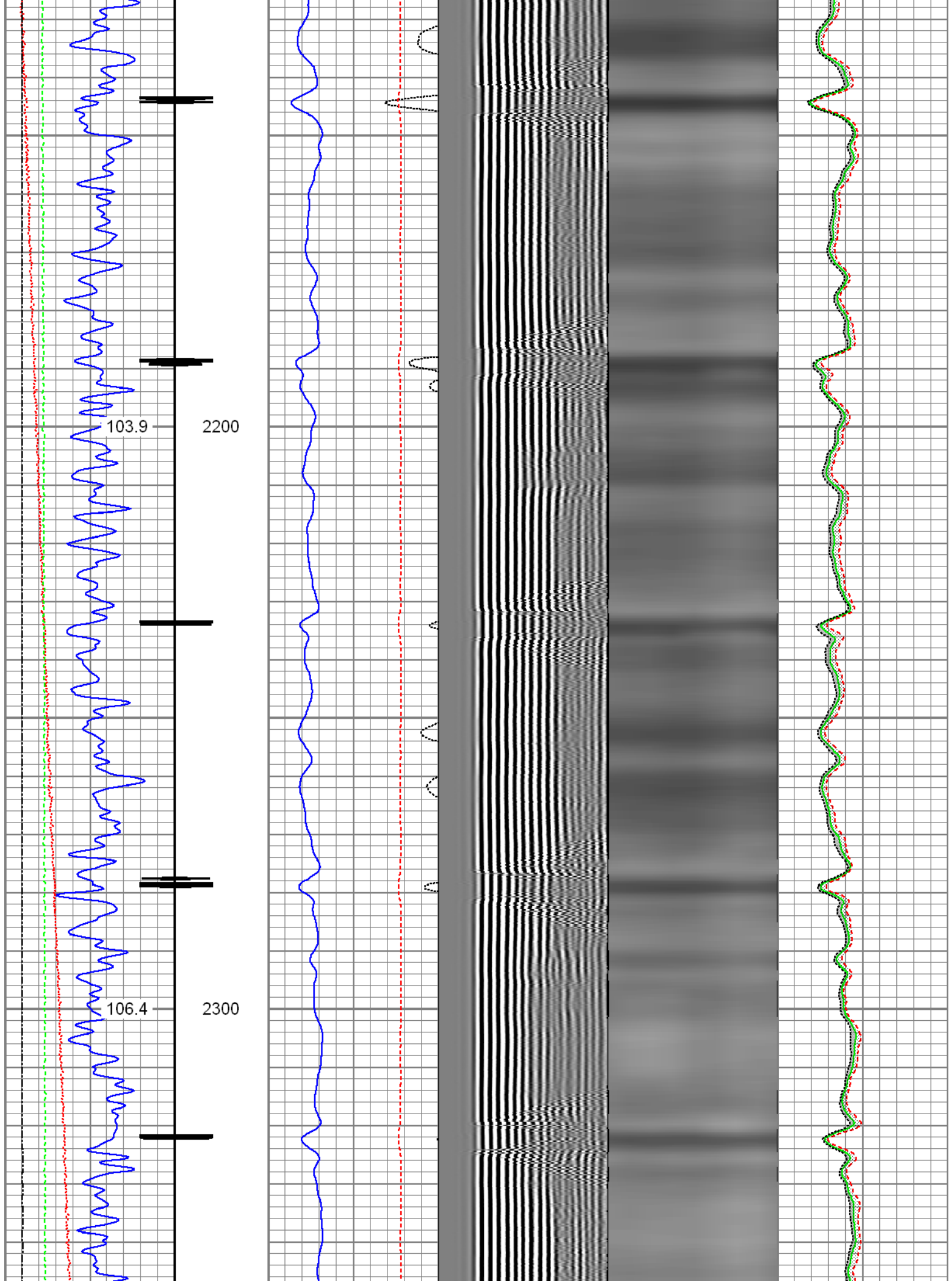




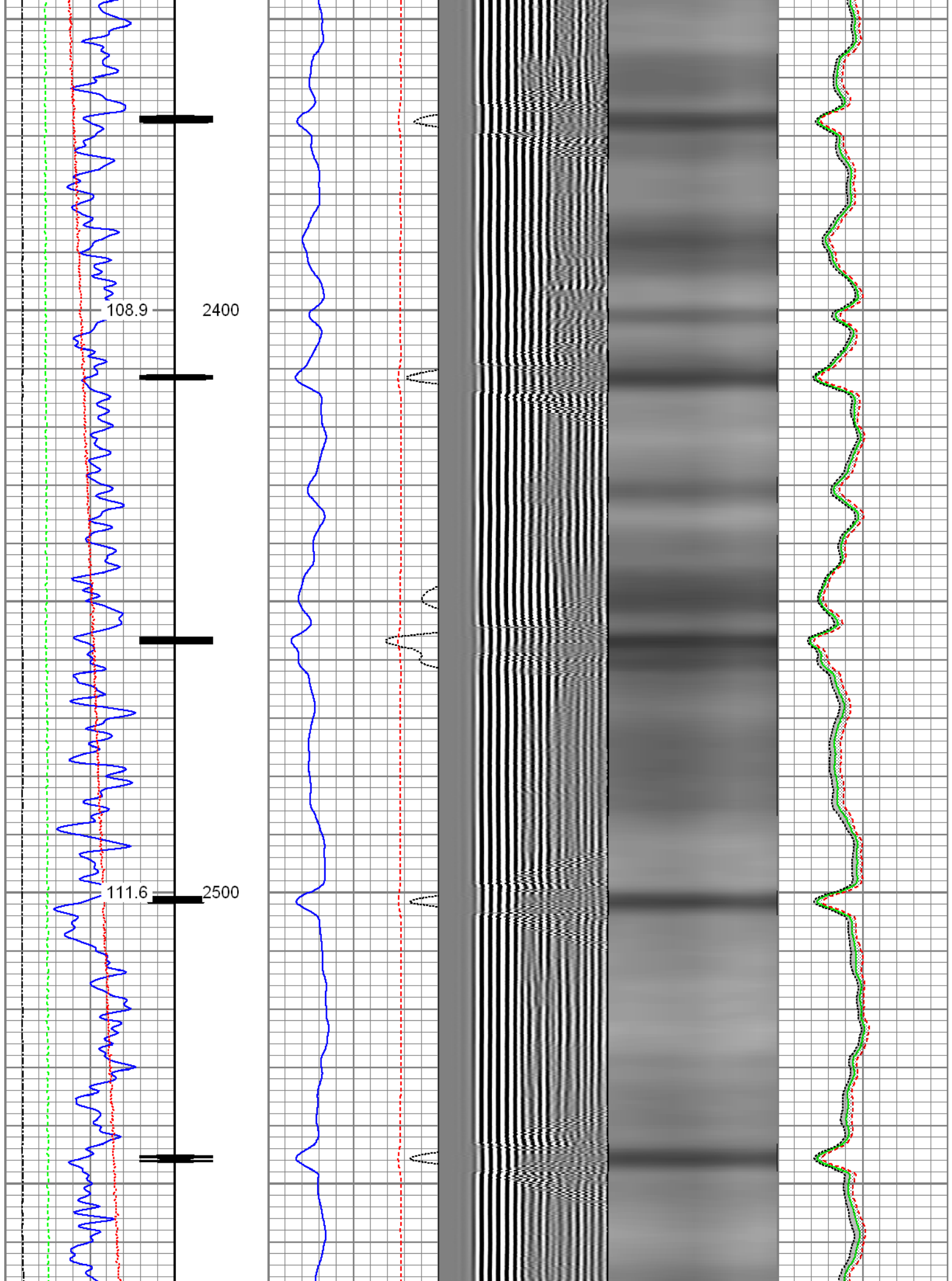


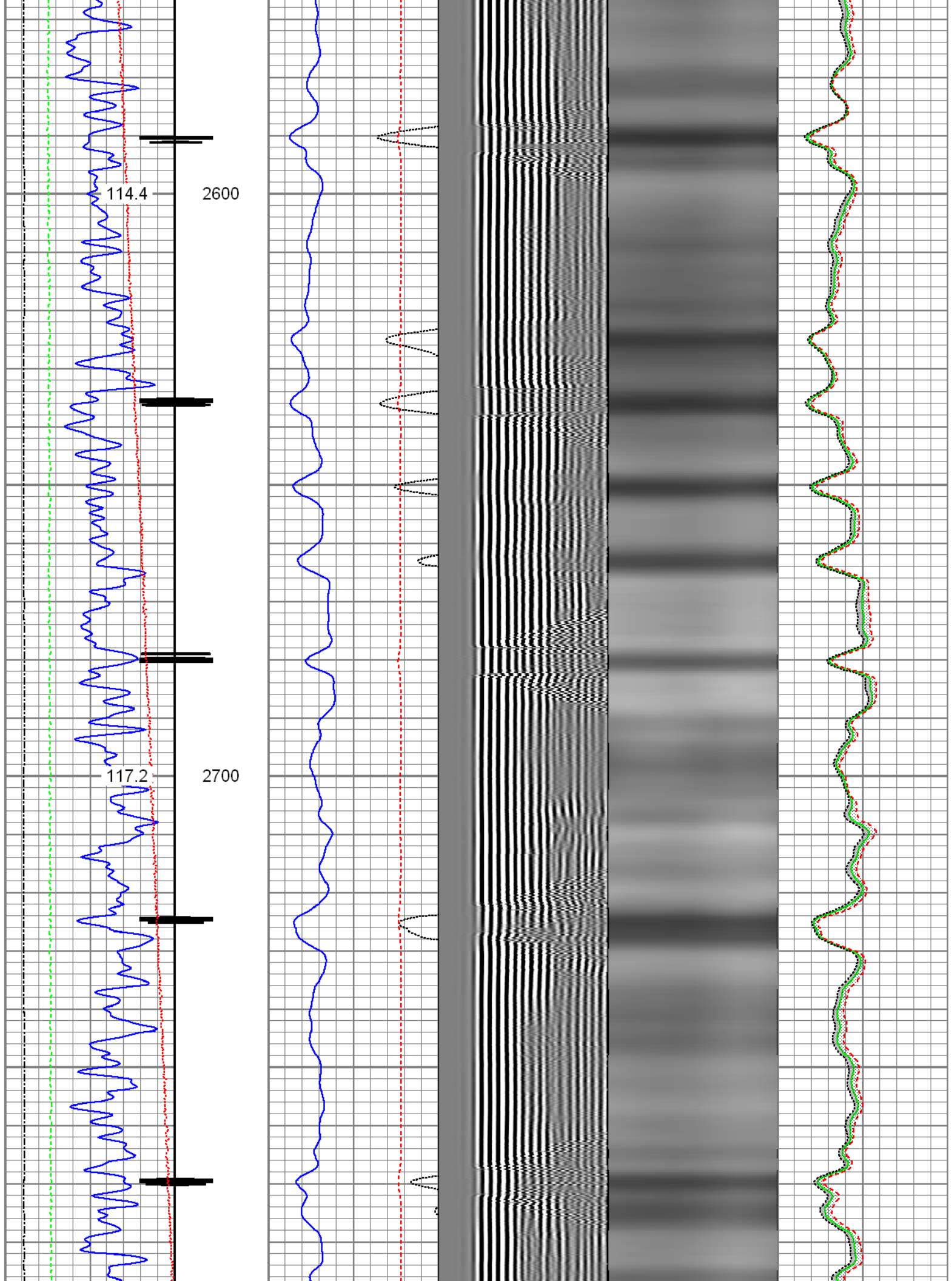


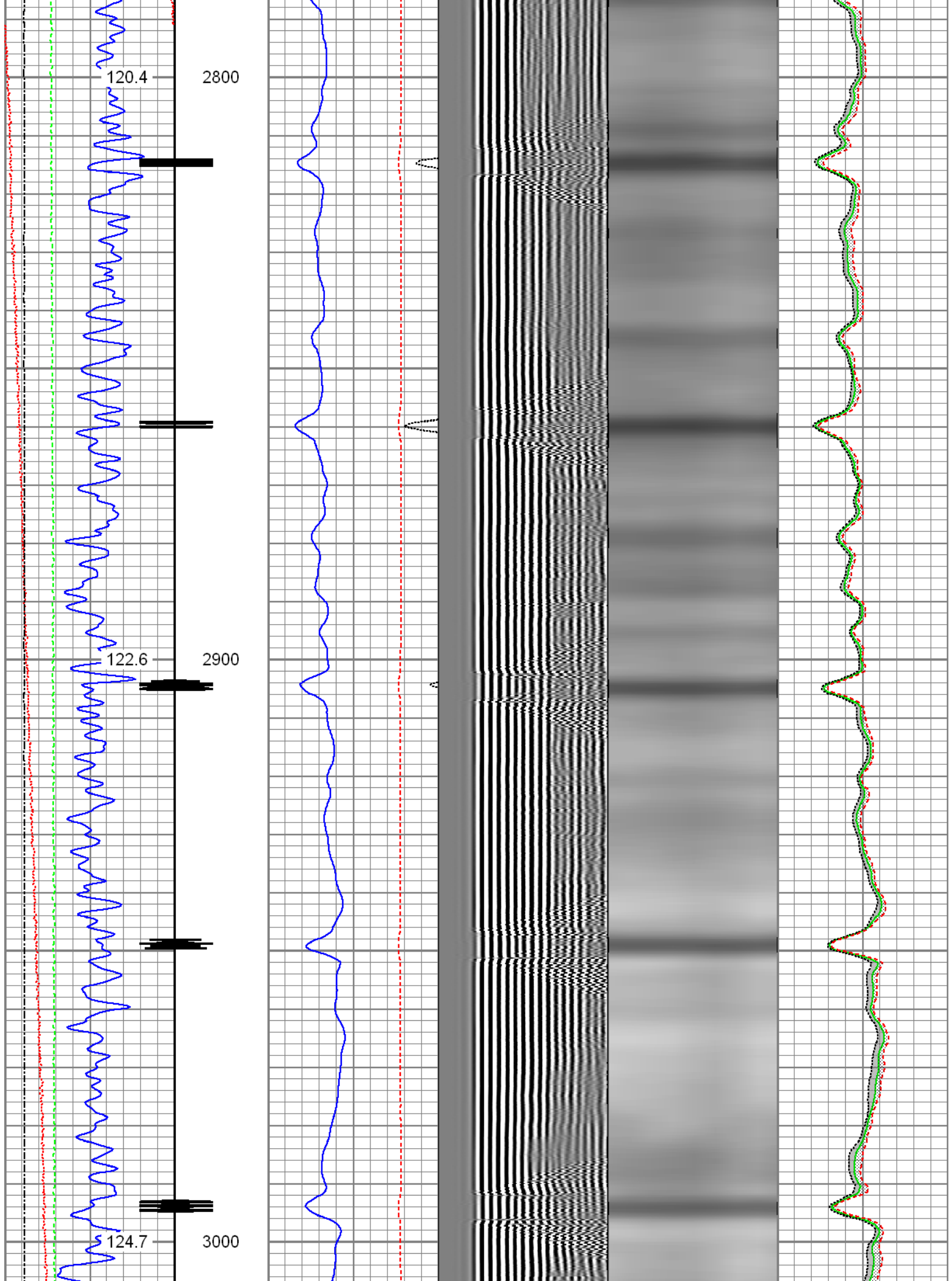


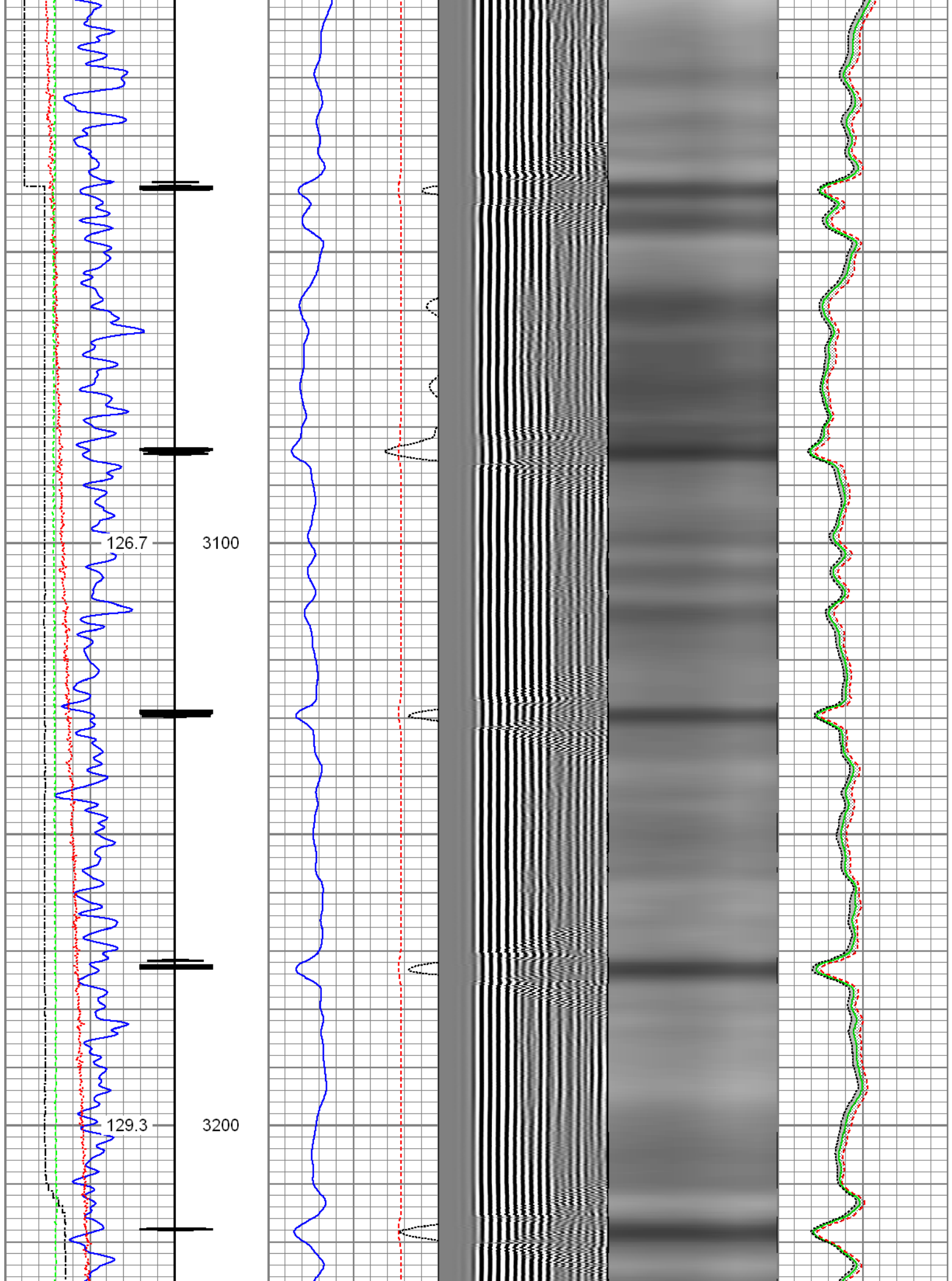




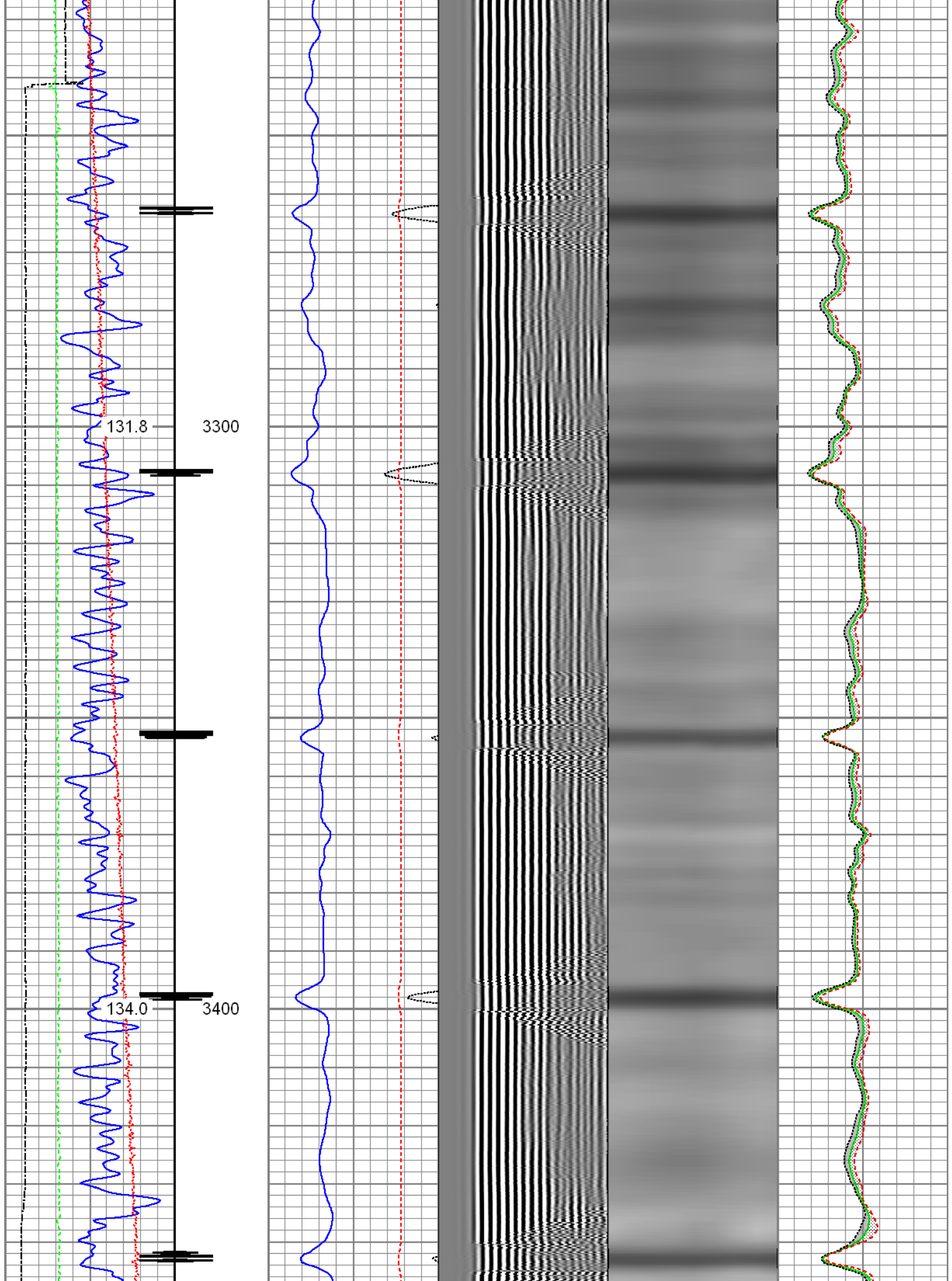


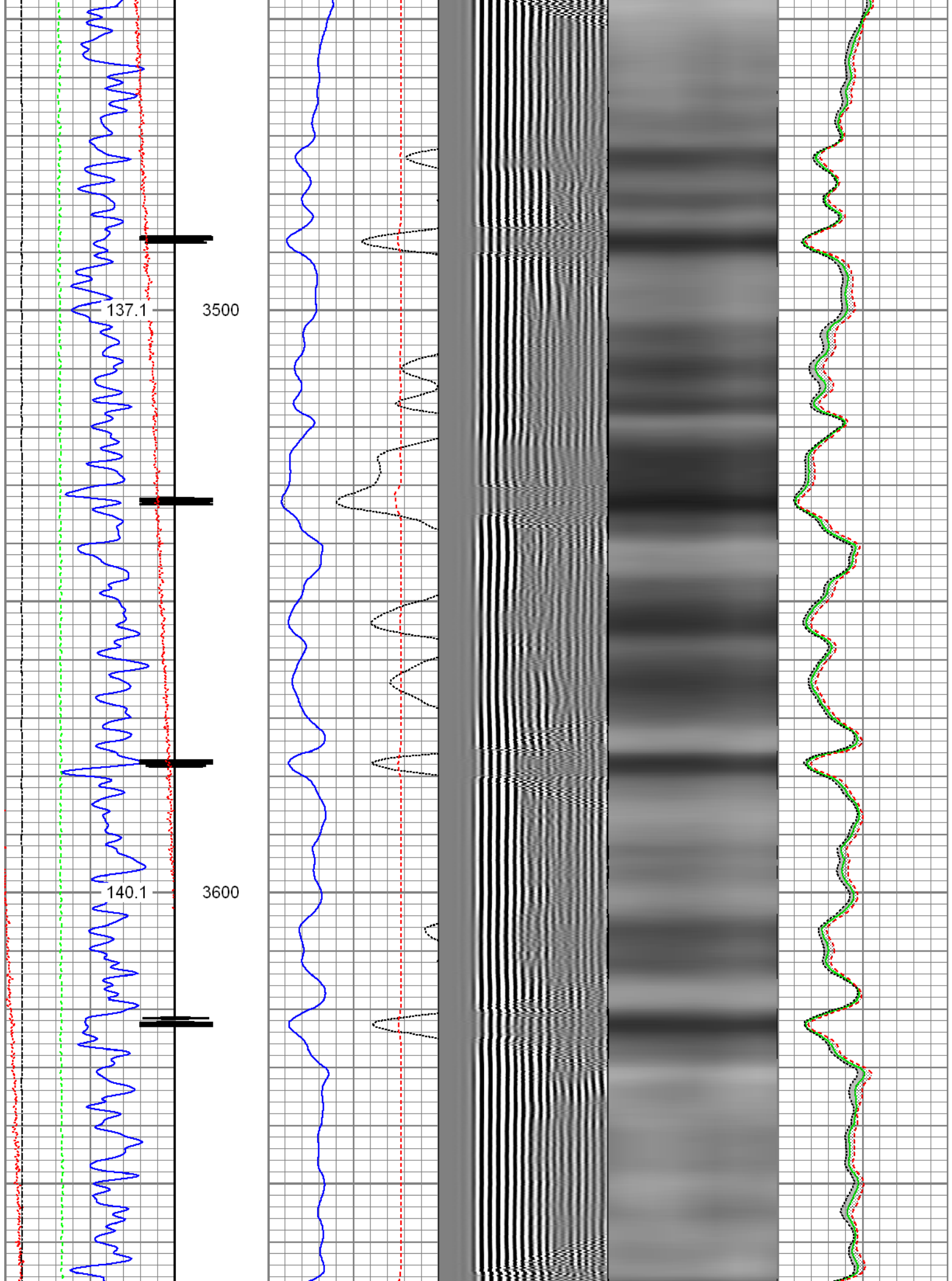


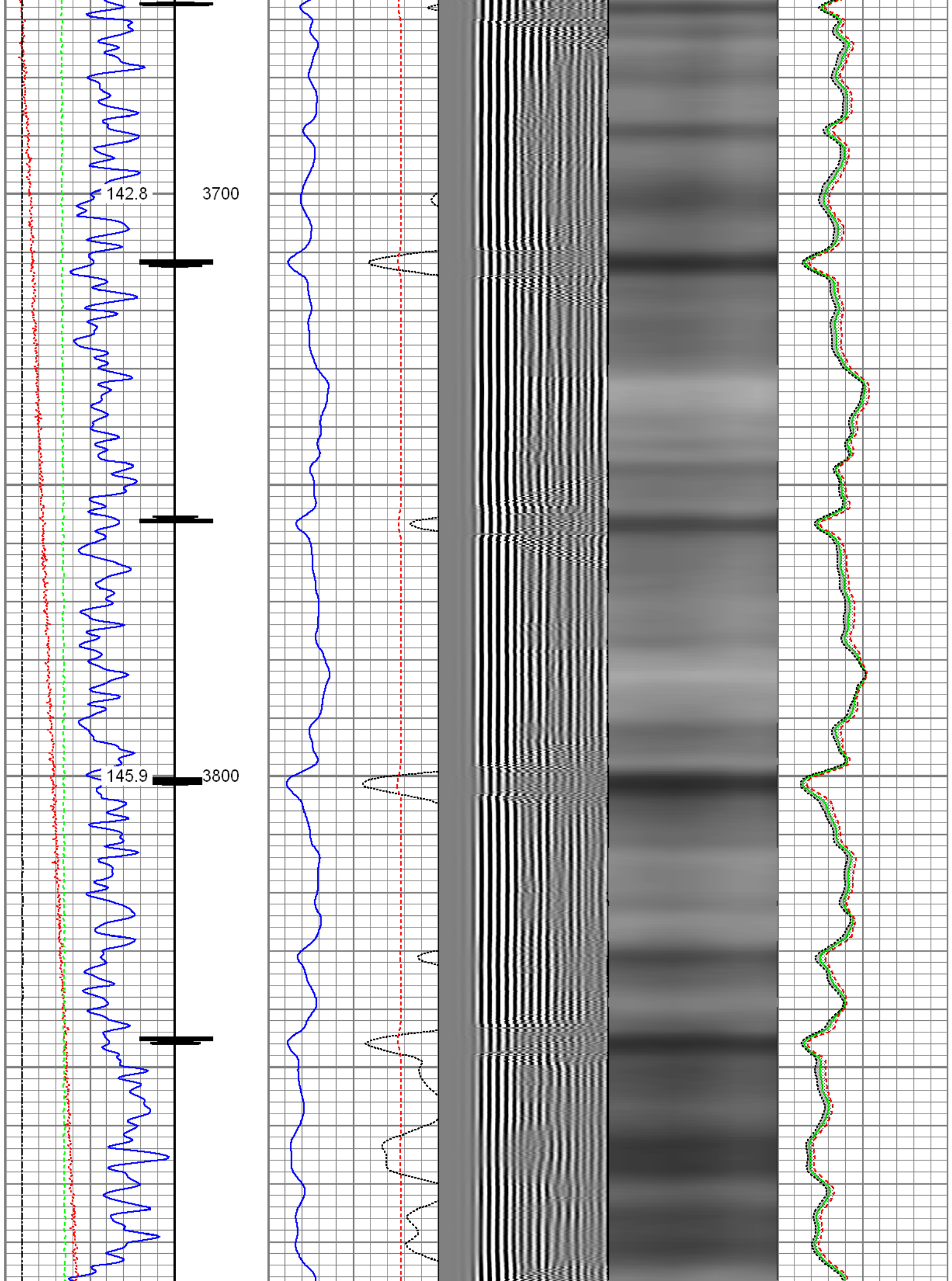


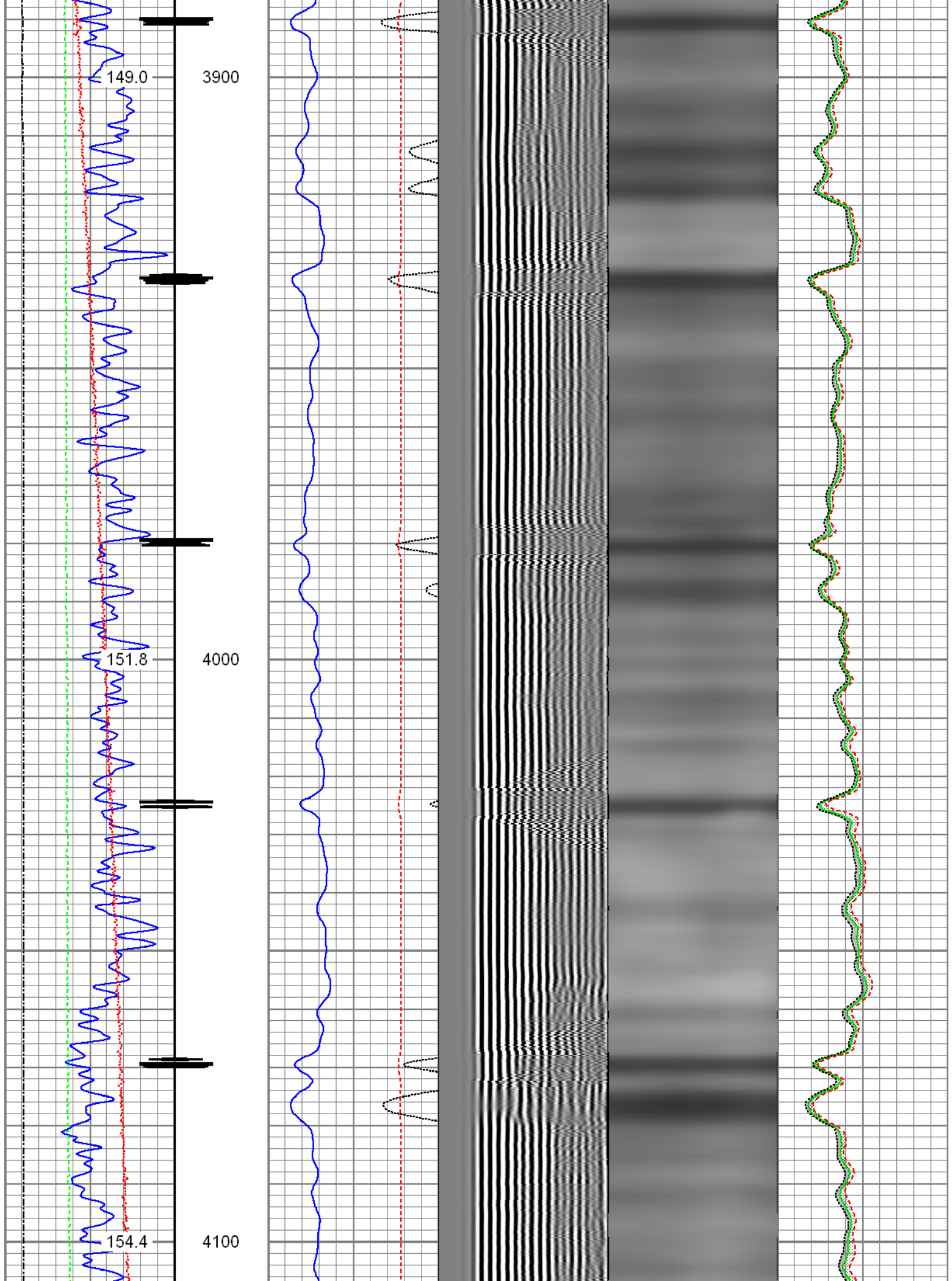




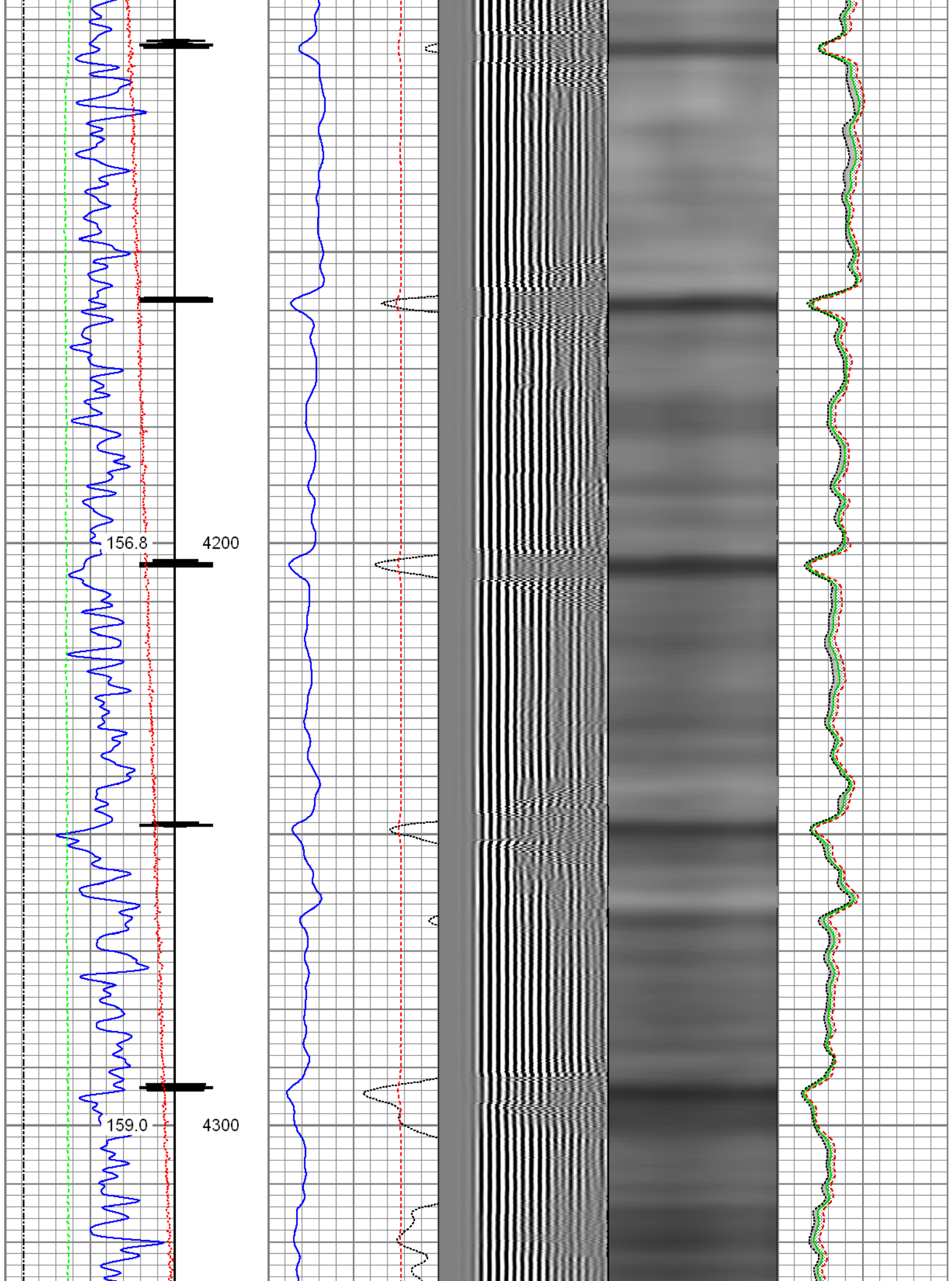


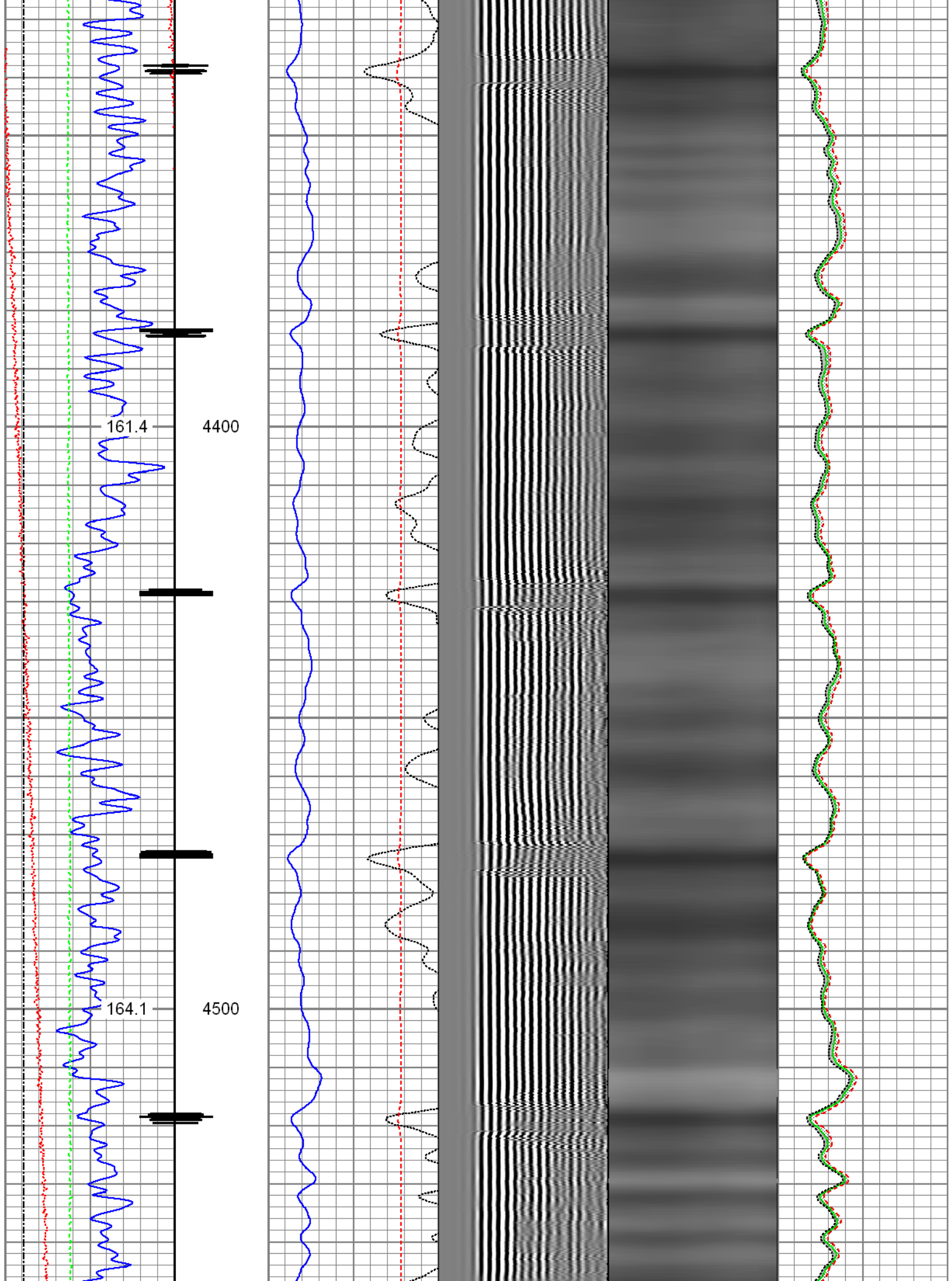


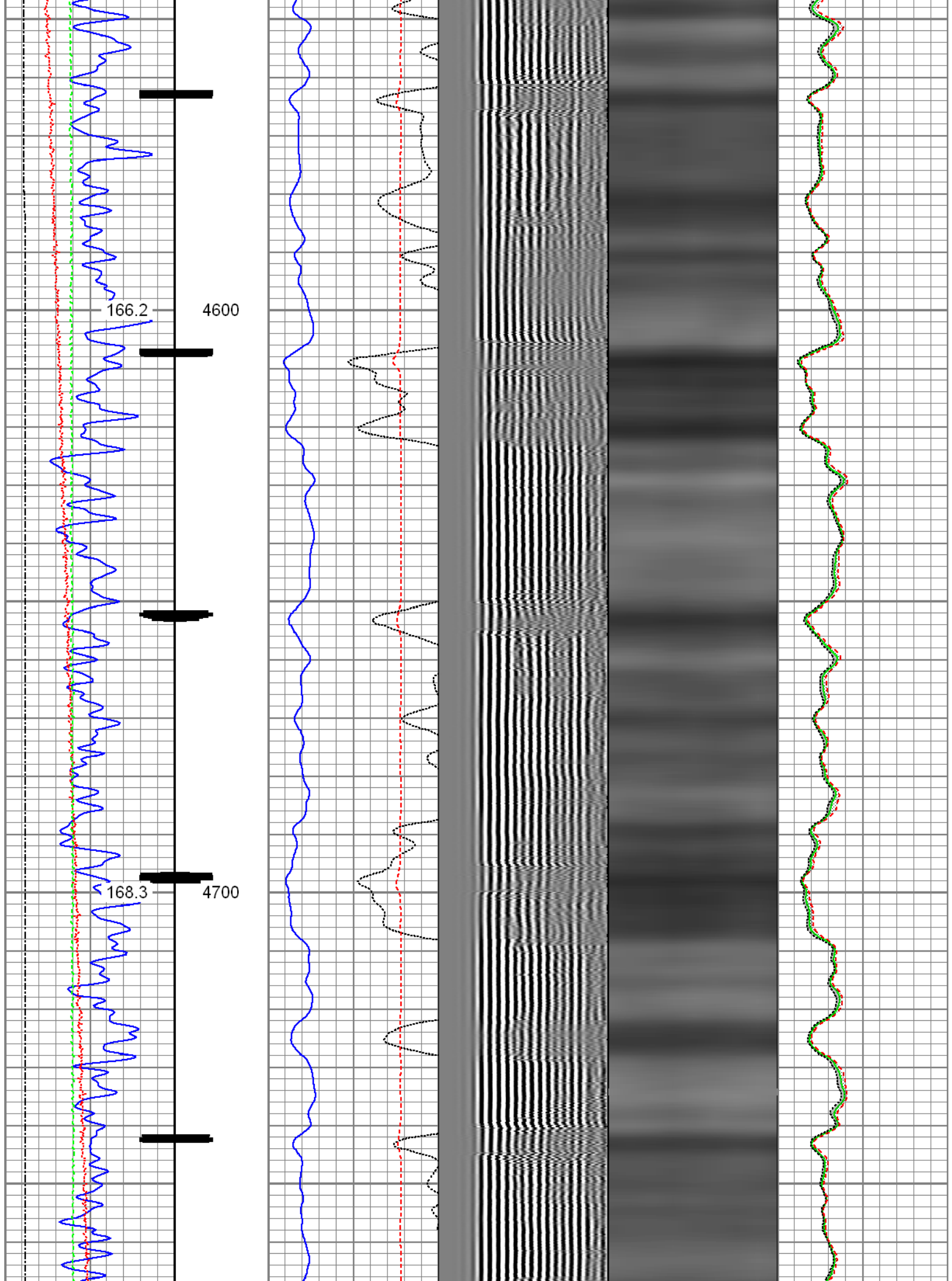




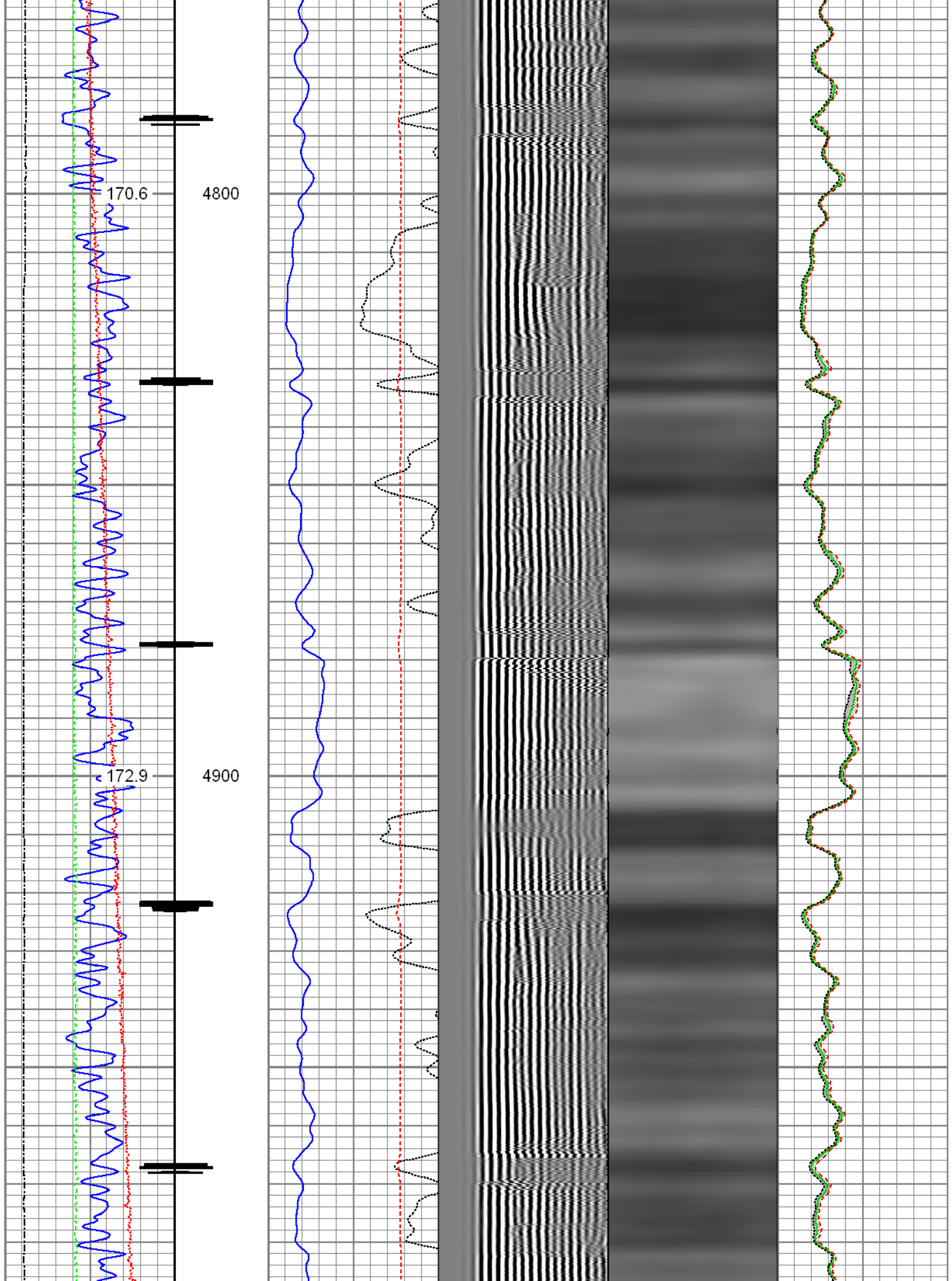




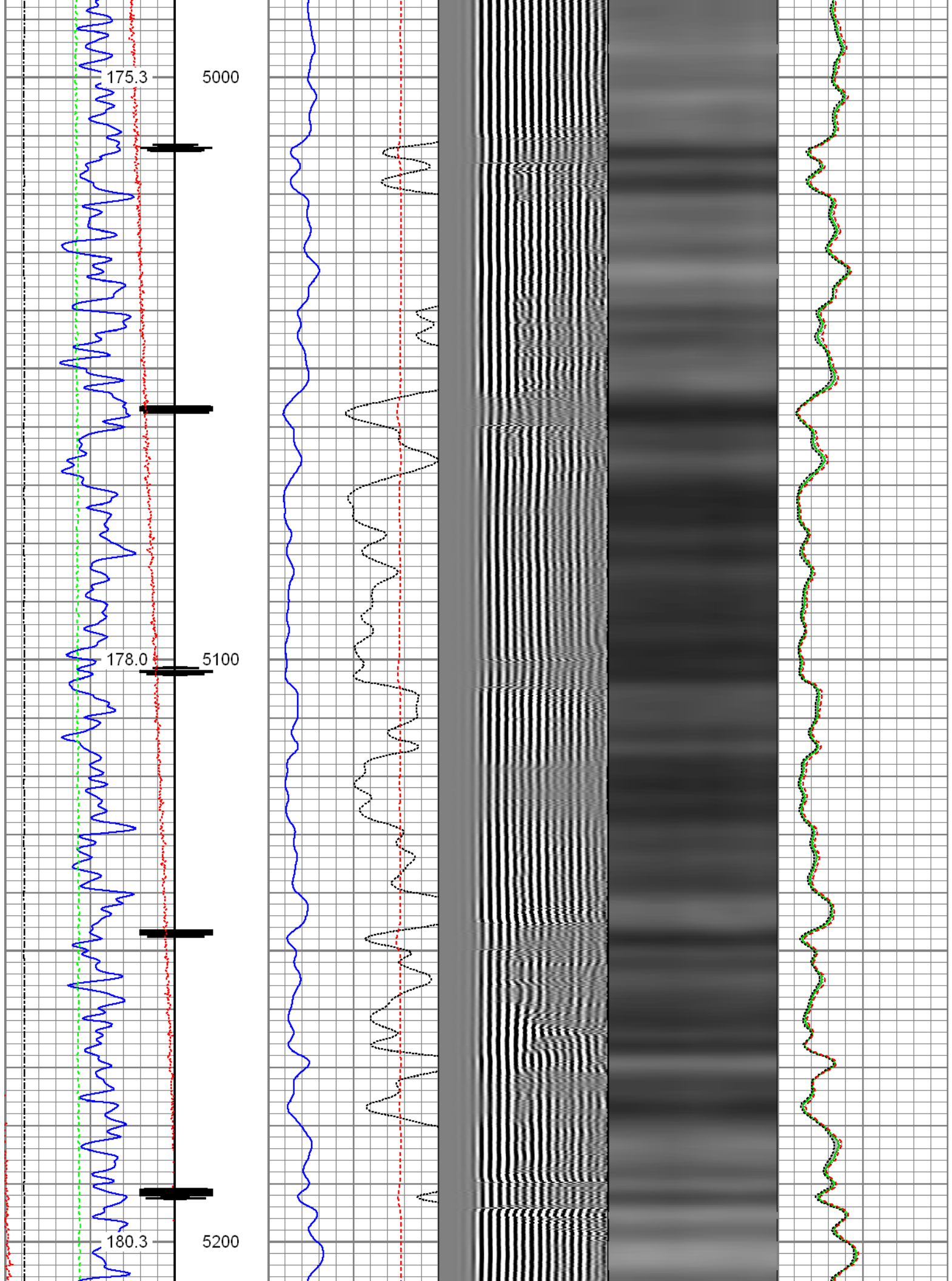


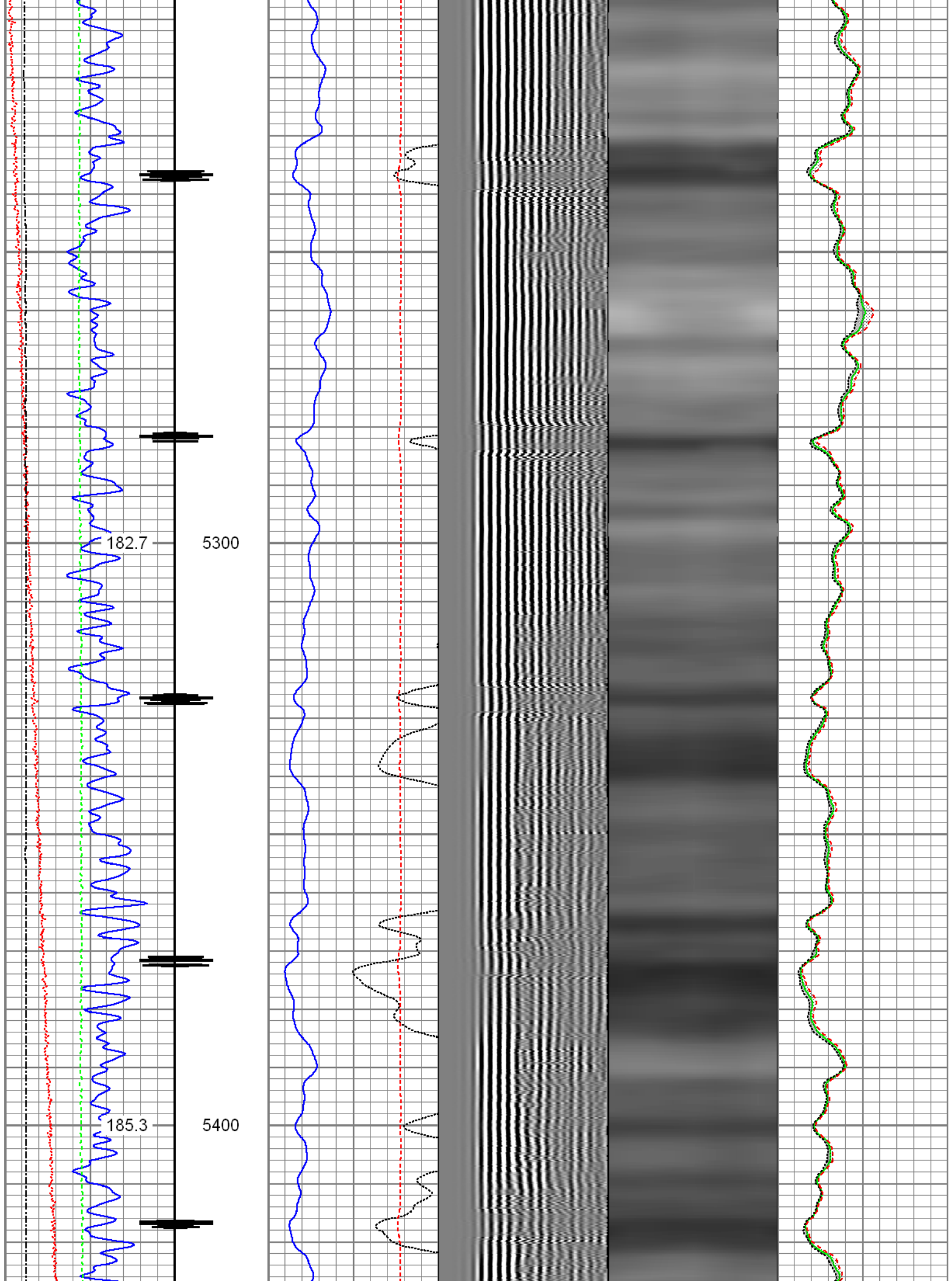


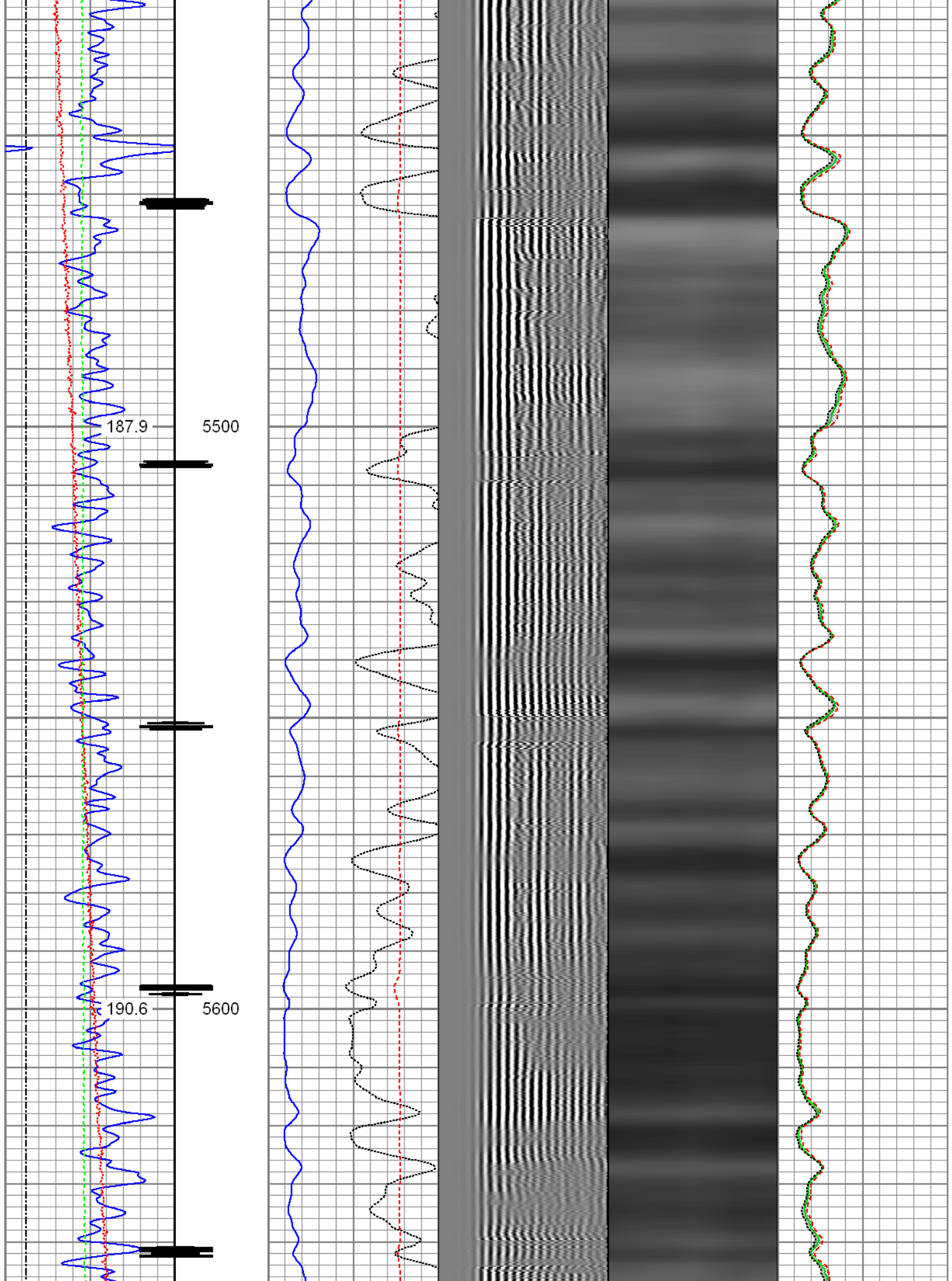




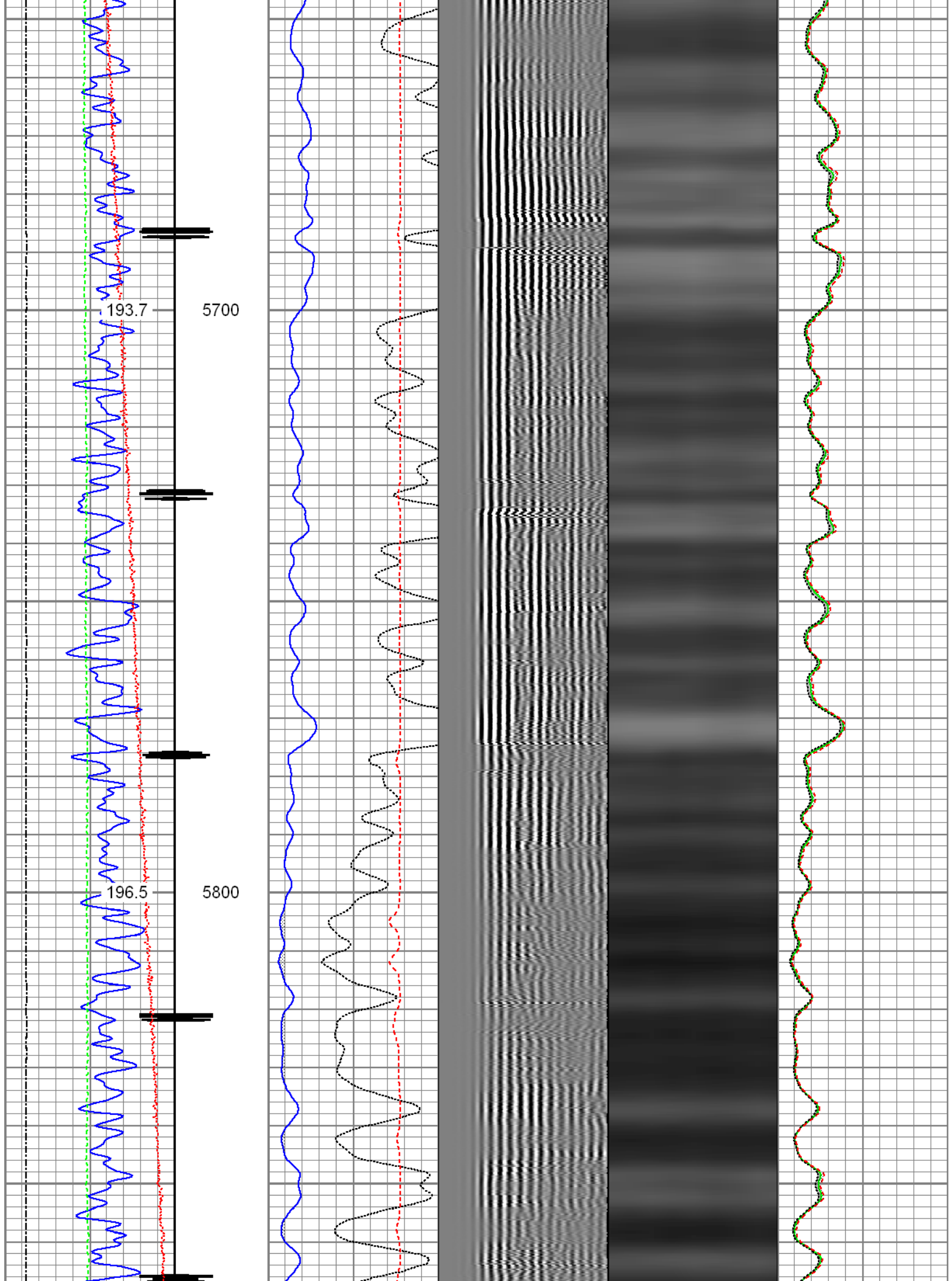




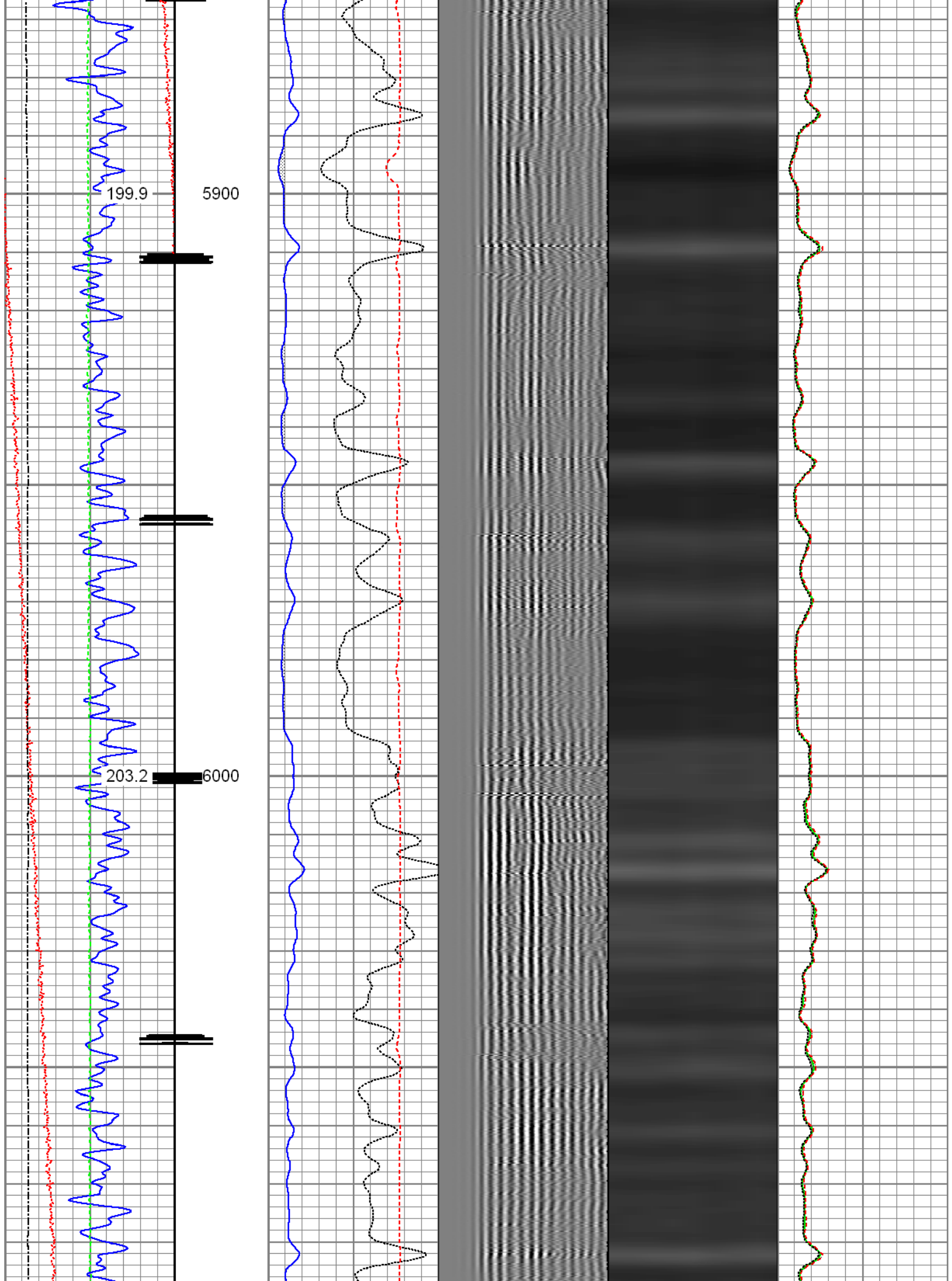


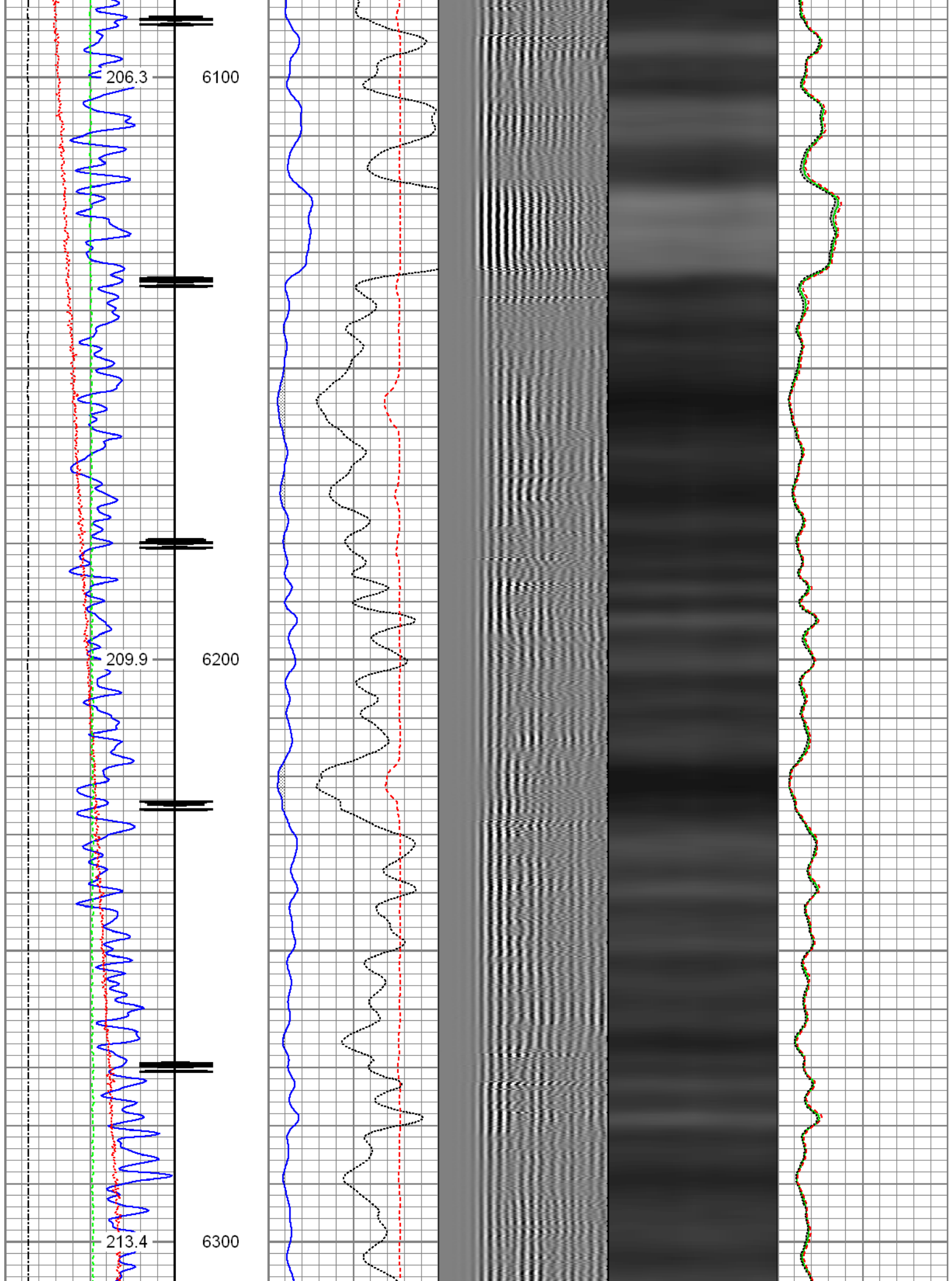


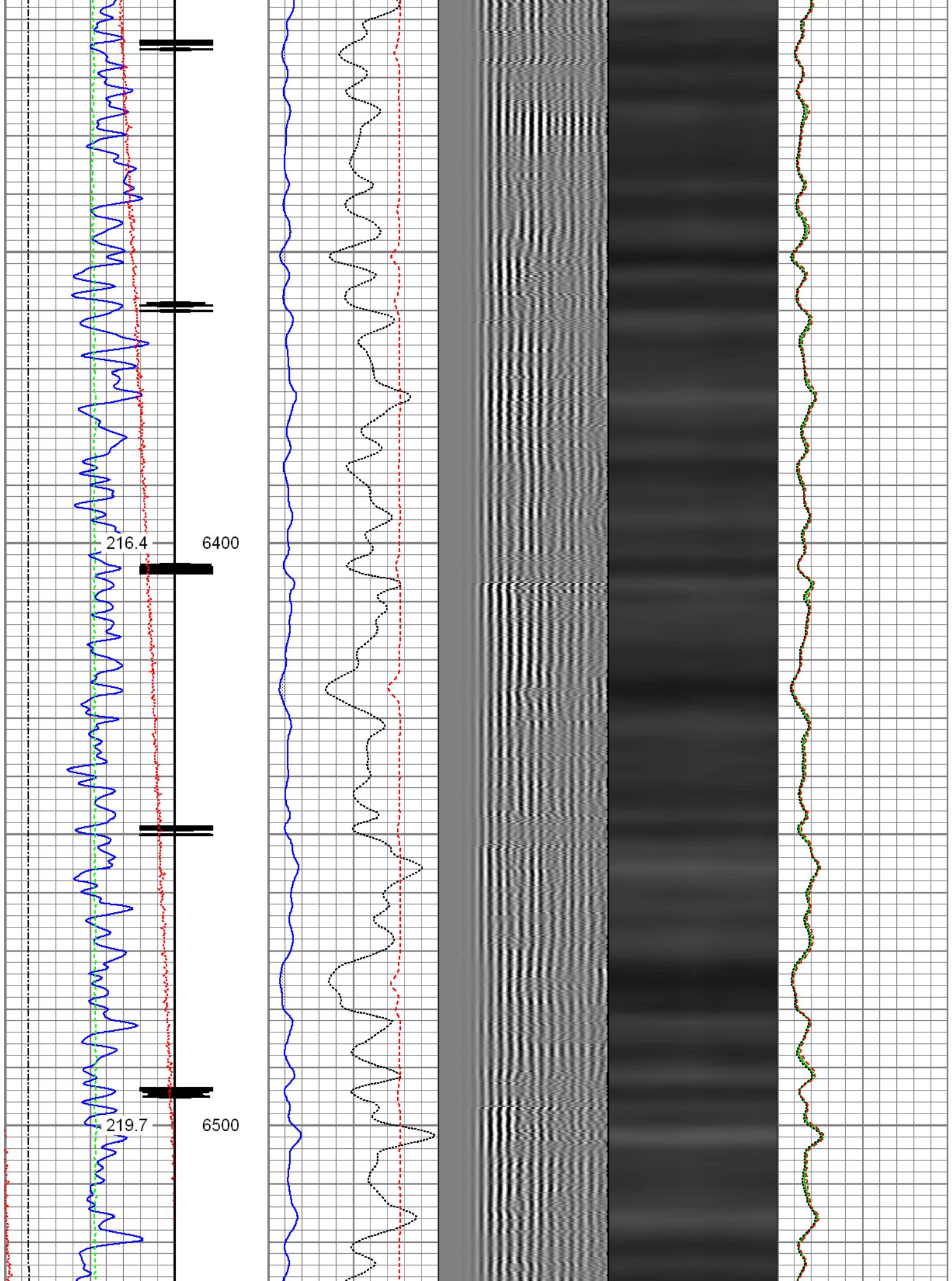


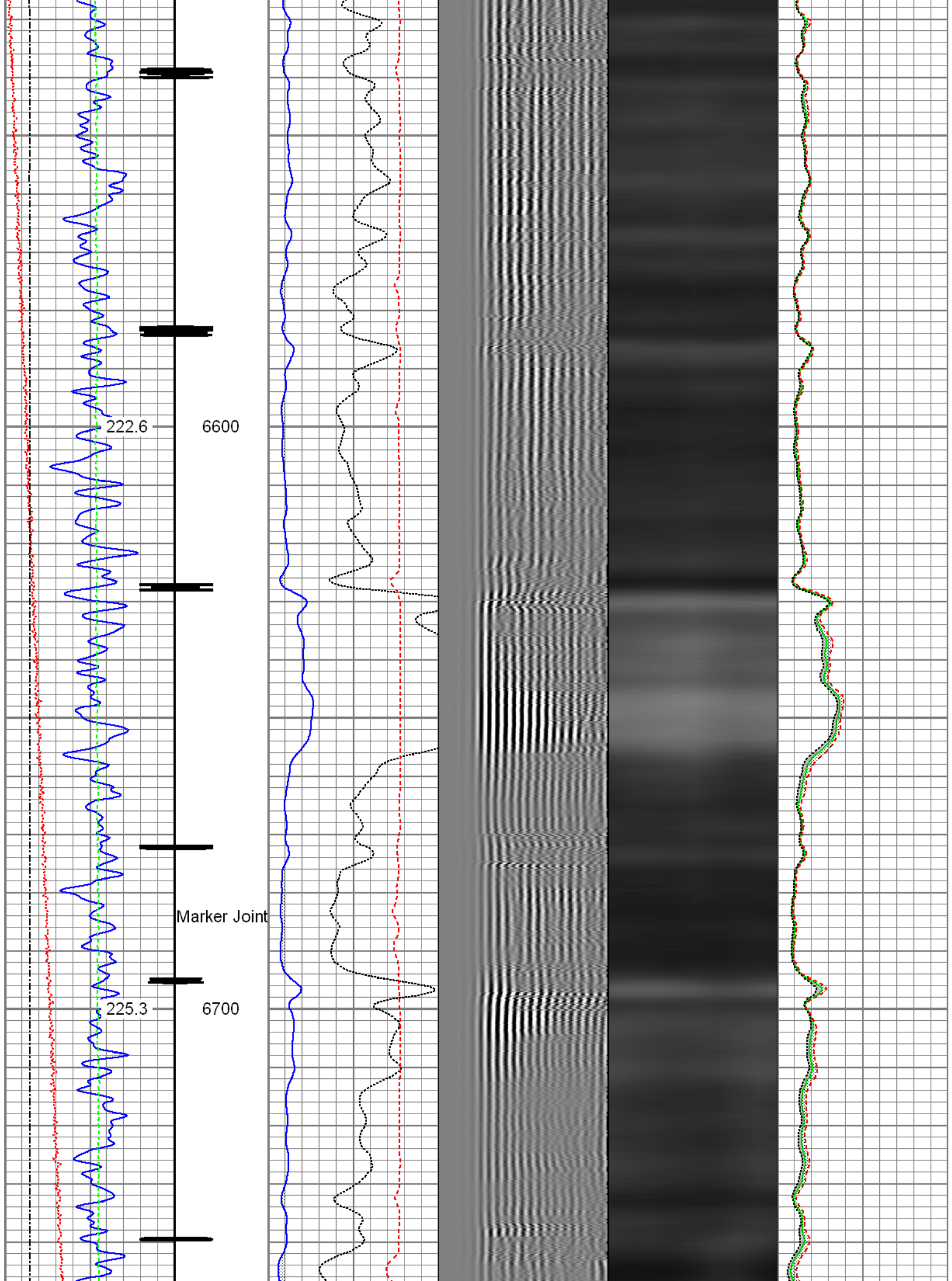




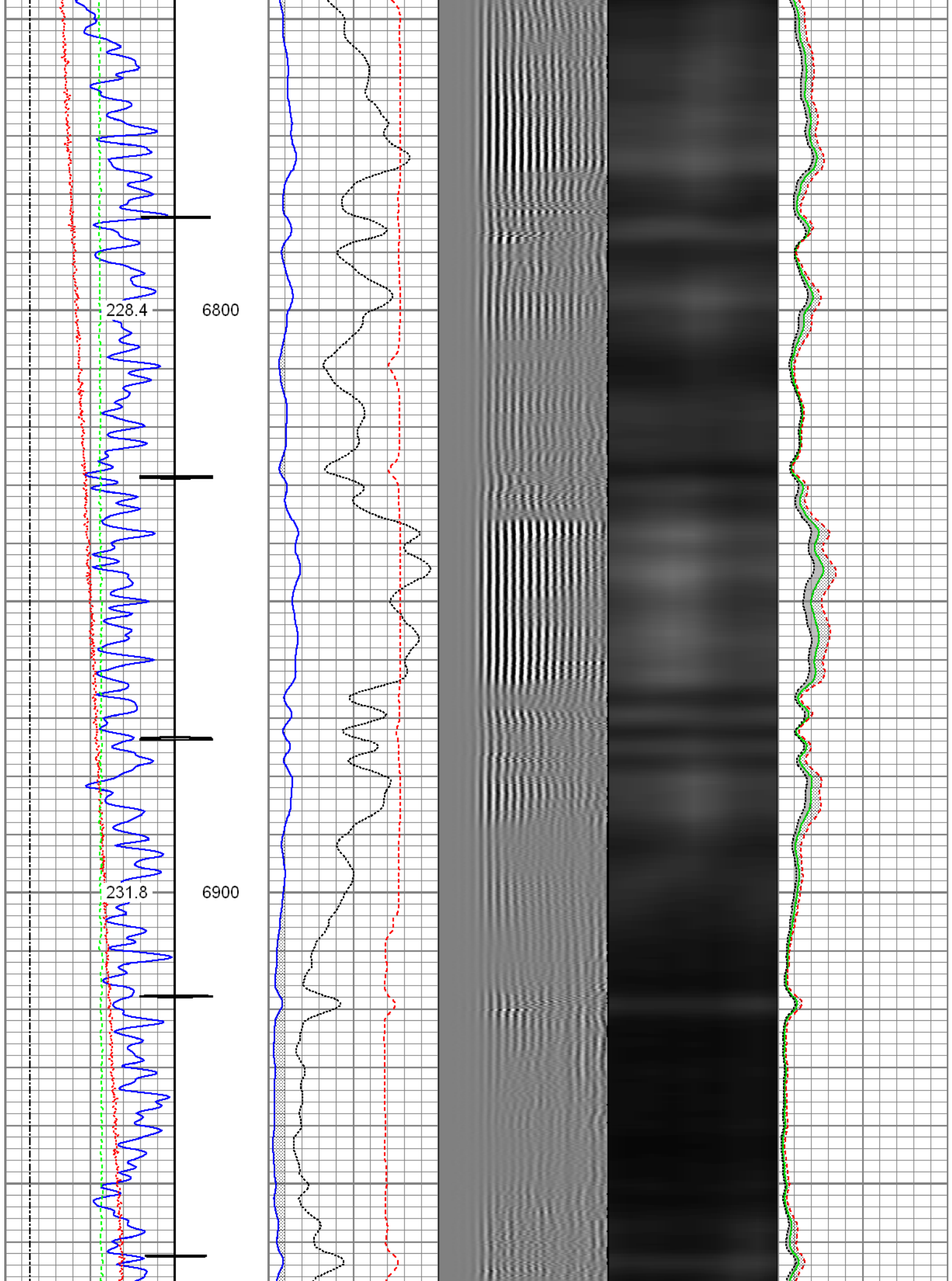


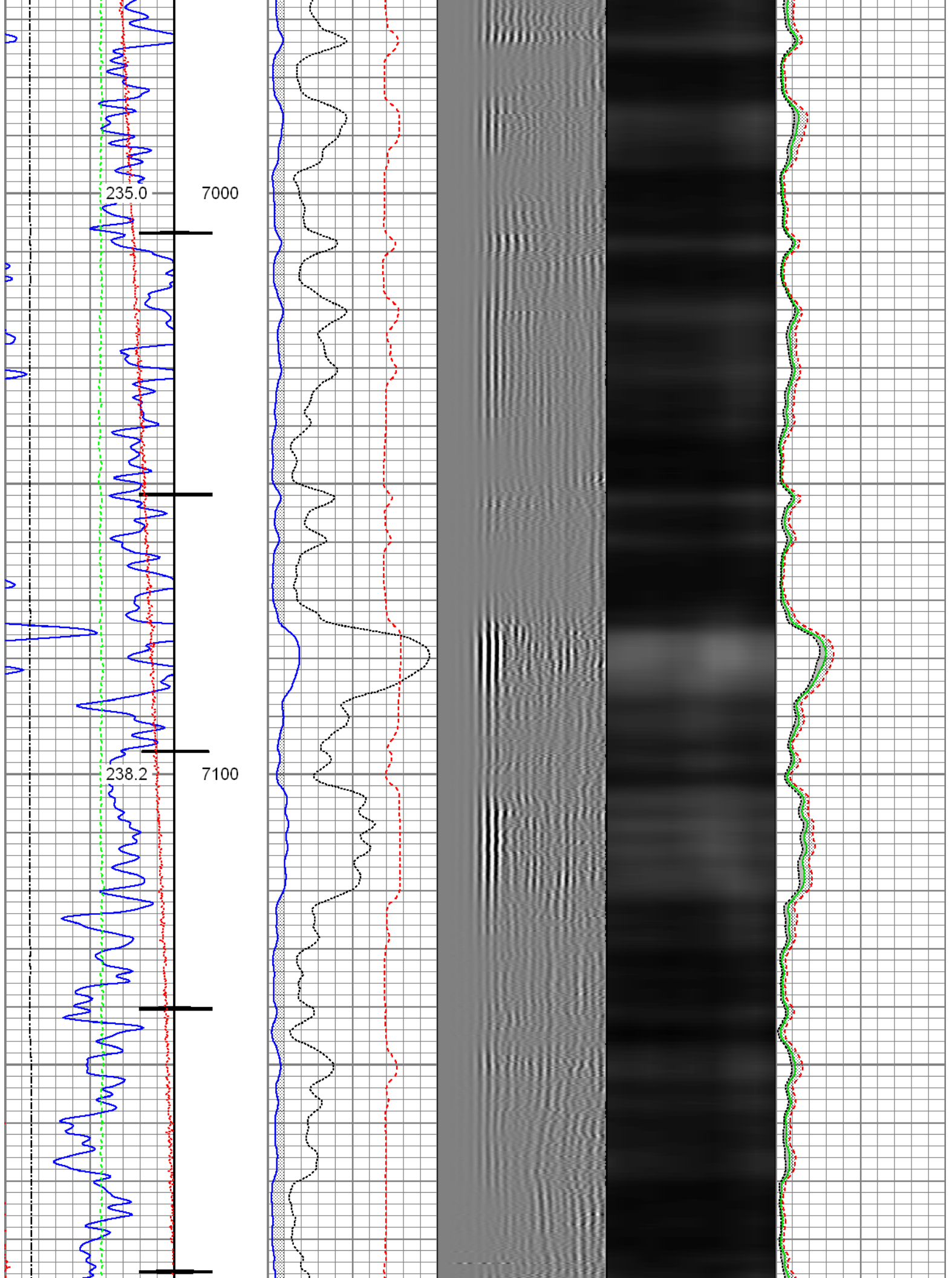


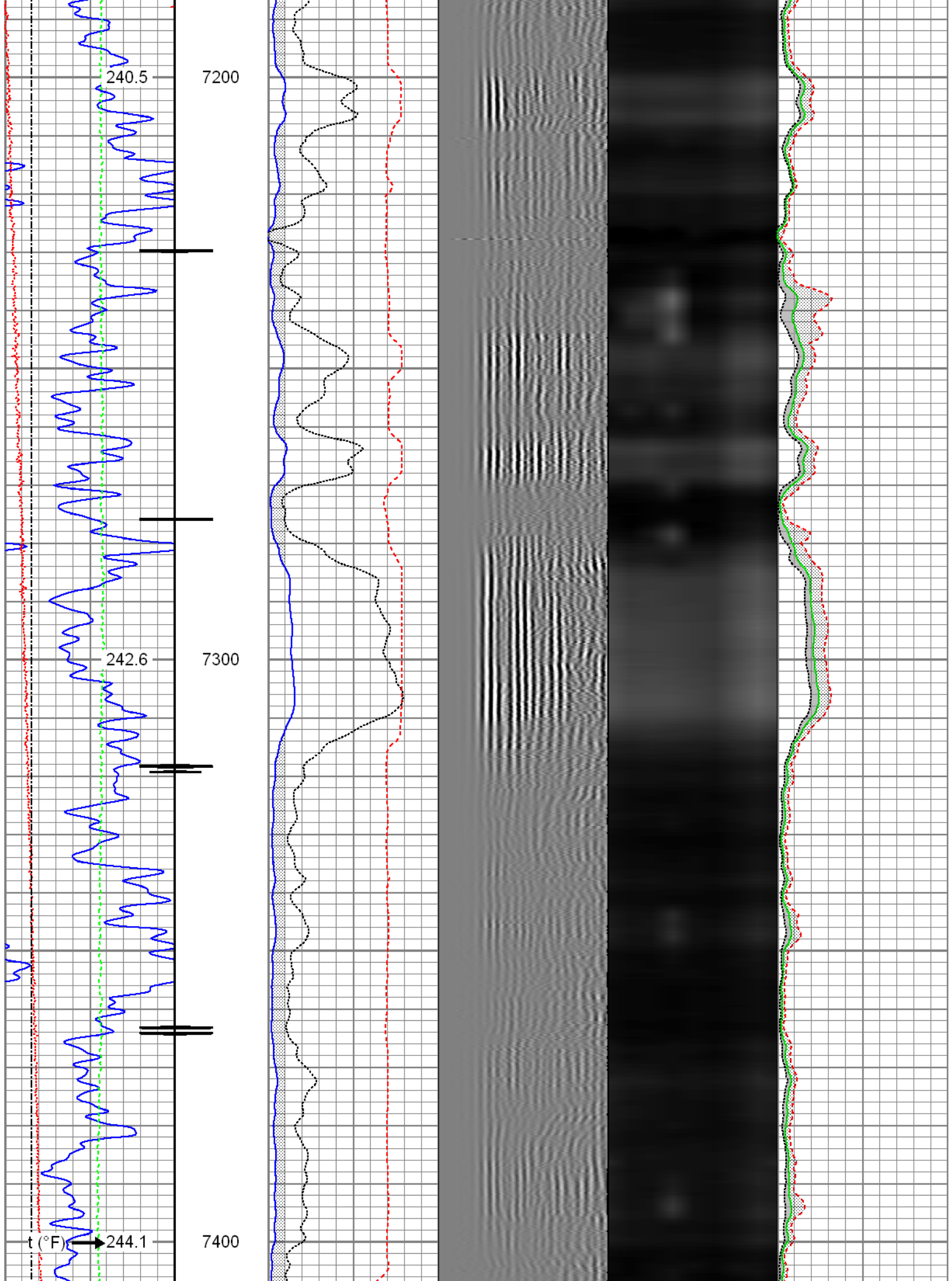


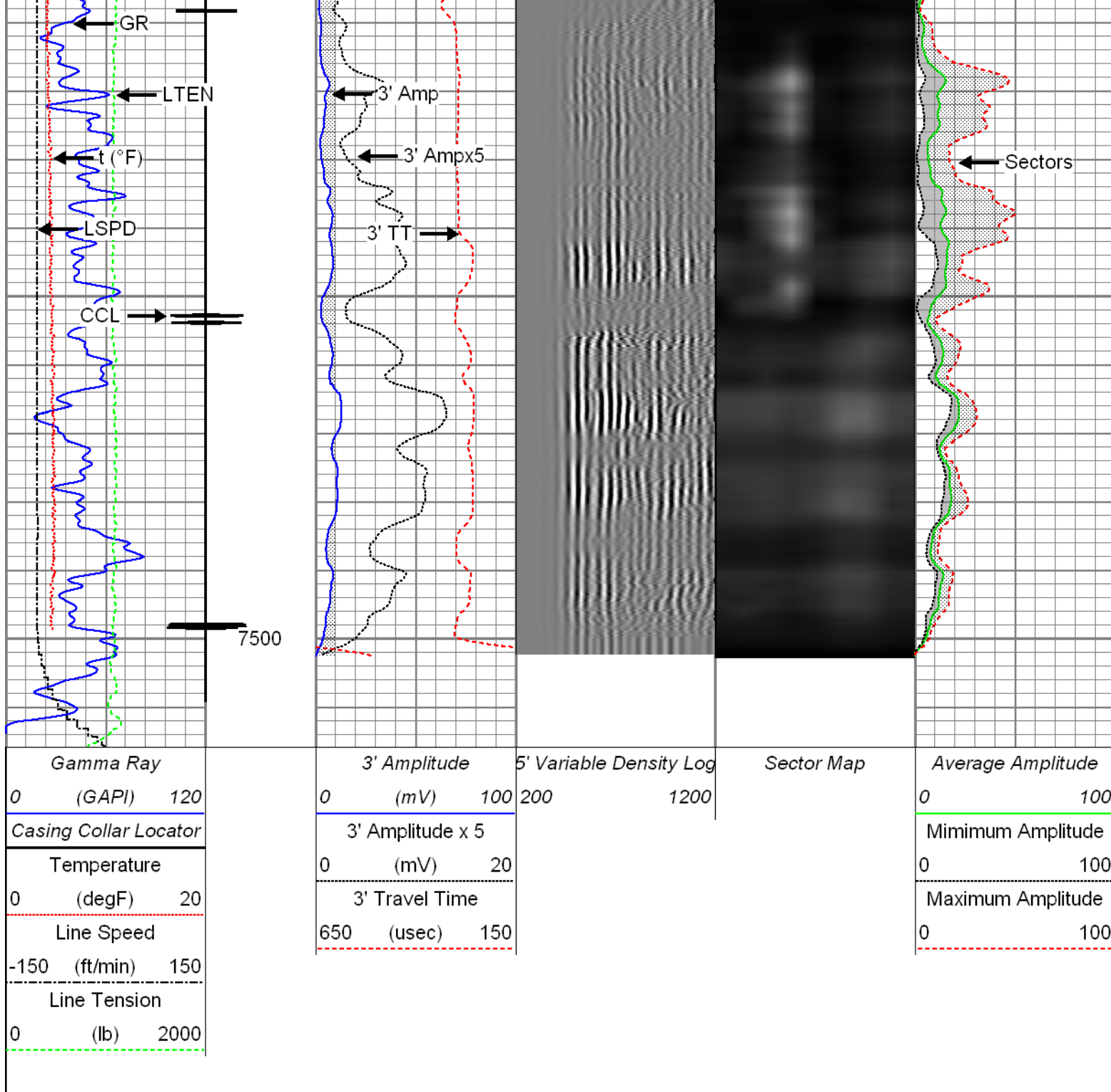





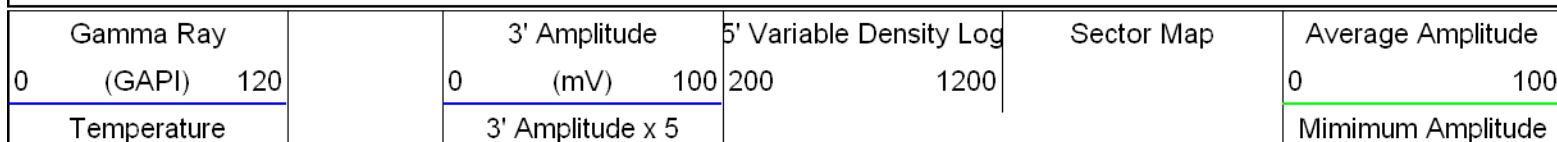








	<div>Repeat Section</div> <div>Recorded with 2800 PSI Surface Induced Pressure</div>
Database File:	0512341824_anadarko_adamson 35c-28hz_11-05-15_rbl.db
Dataset Pathname:	pass2
Presentation Format:	radii
Dataset Creation:	Thu Nov 05 13:10:32 2015 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

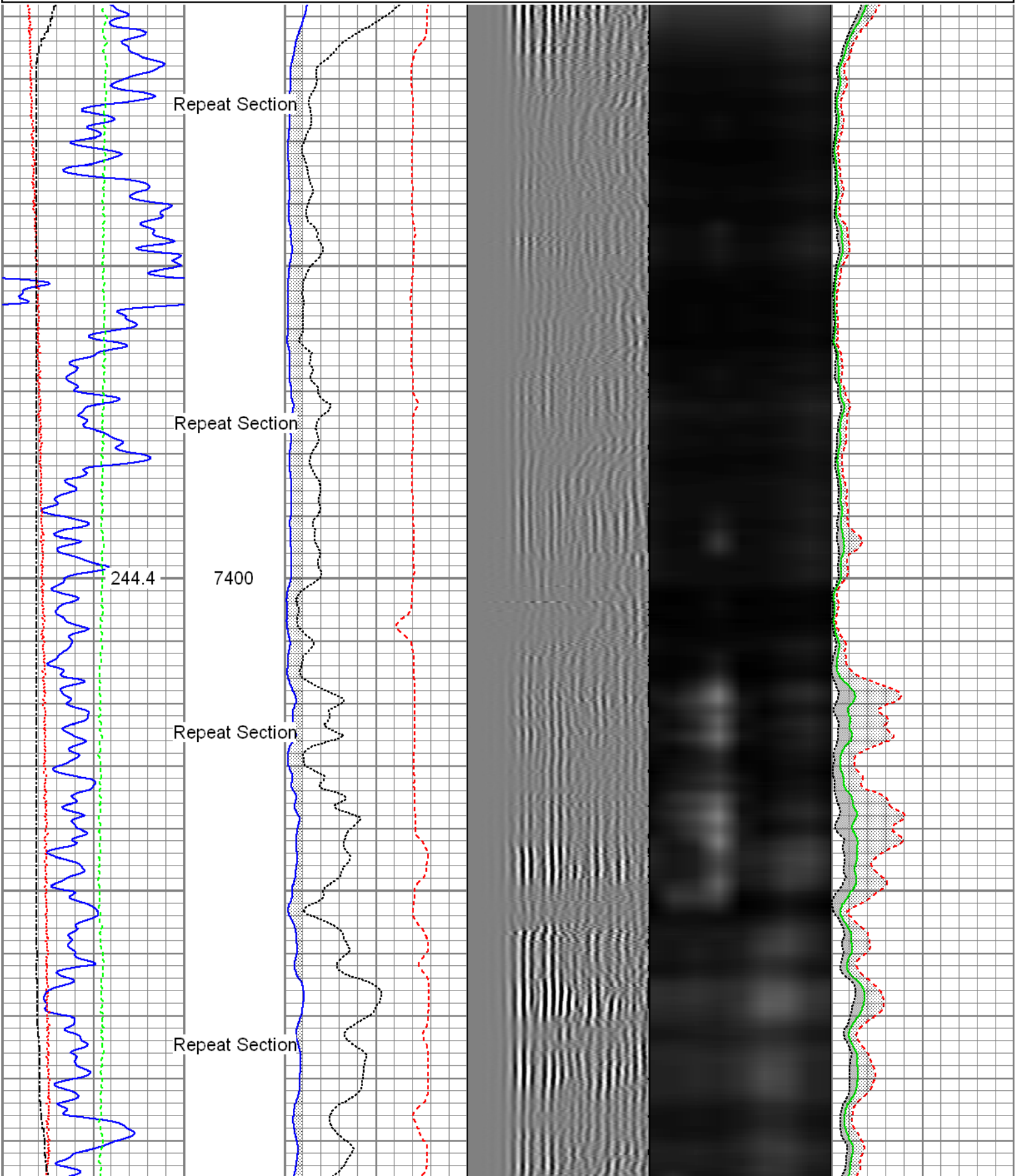


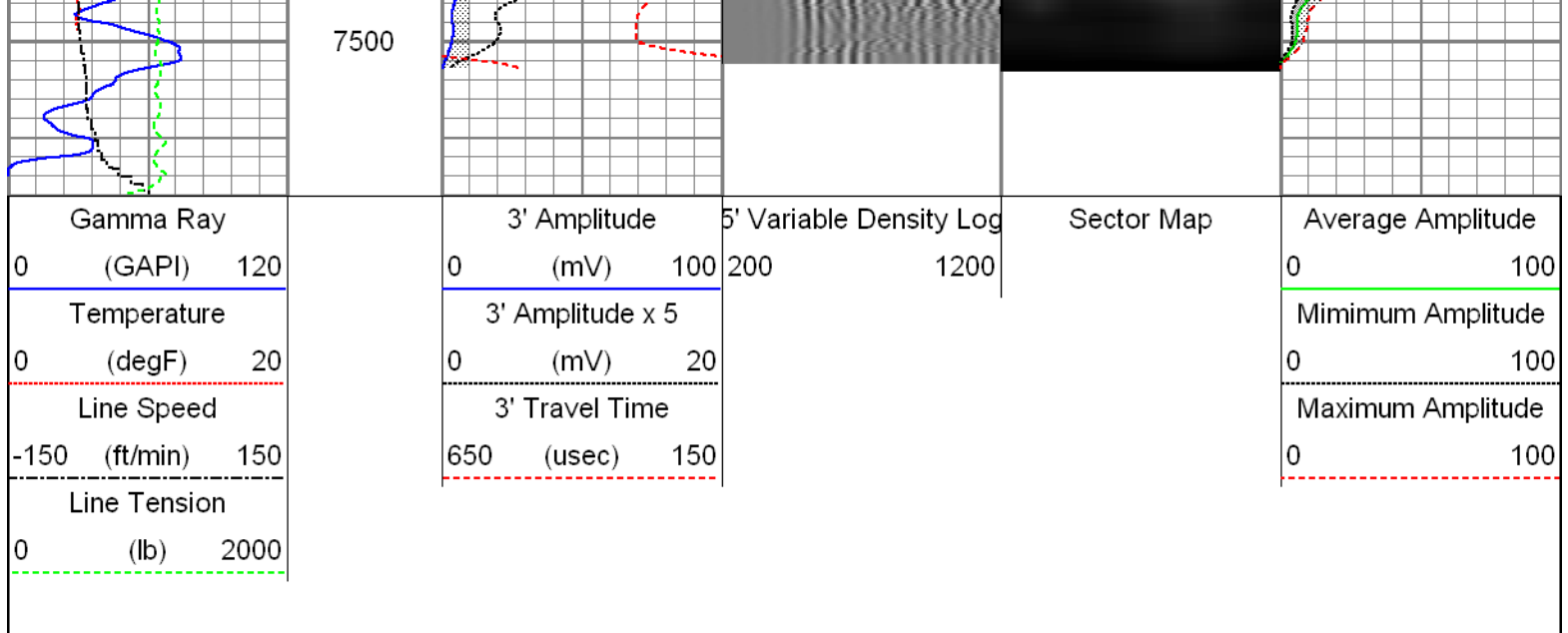


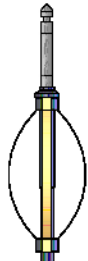

0	(degF)	20
Line Speed		
-150	(ft/min)	150
Line Tension		
0	(lb)	2000

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

0	100
Maximum Amplitude	
0	100





Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
HeadVolt	19.49		T_CH14375_1_GO Titan 1-7/16" Assembled Electric Cable Head with 1" Fishing Neck	1.03	1.44	4.00
			Probe_IL_BS_Cent Probe 2-3/4" Inline Electrical Inline Bowspring Centralizer	2.88	2.75	10.00
Temp	16.72					
WV3FT	14.55		Probe_RADII-C-2-3/4" (FW1302-002) Probe 2-3/4" Sector Cement Bond Tool with Temperature Probe	9.19	2.75	105.00
WVFCAL	14.55					
WVFS1	14.55					
WVFS2	14.55					
WVFS3	14.55					
WVFS4	14.55					
WVFS5	14.55					
WVFS6	14.55					
WVFS7	14.55					
WVFS8	14.55					
WV5FT	13.55					
CCI	6.51		Probe_IL_BS_Cent Probe 2-3/4" Inline Electrical Inline Bowspring Centralizer	2.88	2.75	10.00

DCCL	6.51		Probe_CCL_GR-2.75"Digital (FW1211-081) 4.54 Probe 2-3/4" Digital CCL / Gamma Ray Combined	2.75	55.00
GR	3.77		Probe_IL_BS_Cent Probe 2-3/4" Inline Electrical Inline Bowspring Centralizer	2.88	2.75
Dataset: 0512341824_Anadarko_Adamson 35C-28HZ_11-05-15_RBL.db: field/well/run1/merge1.1 Total Length: 23.40 ft Total Weight: 194.00 lb O.D. 2.75 in					

Calibration Report	
Database File:	0512341824_Anadarko_Adamson 35C-28HZ_11-05-15_RBL.db
Dataset Pathname:	merge1.1
Dataset Creation:	Thu Nov 05 16:41:44 2015 by Calc 7.0 B1

Gamma Ray Calibration Report		
Serial Number:	FW1211-081	
Tool Model:	2.75"Digital	
Performed:	Mon Oct 12 09:41:13 2015	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.6000	GAPI/cps

Segmented Cement Bond Log Calibration Report		
Serial Number:	FW1302-002	
Tool Model:	2-3/4"	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	27.976	ft

Master Calibration, performed Thu Nov 05 16:41:37 2015:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.002	0.597	0.800	71.921	119.435	0.574
CAL	0.002	0.743				
5'	0.002	0.503	0.800	71.921	142.160	0.450
SUM						
S1	0.001	0.575	0.000	100.000	174.132	-0.176
S2	0.002	0.542	0.000	100.000	185.245	-0.319
S3	0.002	0.544	0.000	100.000	184.437	-0.326
S4	0.002	0.564	0.000	100.000	178.047	-0.364
S5	0.002	0.622	0.000	100.000	161.292	-0.277
S6	0.002	0.685	0.000	100.000	146.457	-0.204

S6	0.003	0.685	0.000	100.000	146.457	-0.394
S7	0.002	0.696	0.000	100.000	143.982	-0.277
S8	0.001	0.647	0.000	100.000	154.942	-0.199

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.002	0.743	1.000	0.000

Air Zero Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.002		0.000		0.000	
5'	0.003		0.000		0.000	
SUM						
S1	0.001		0.000		0.000	
S2	0.003		0.000		-0.000	
S3	0.002		0.000		0.000	
S4	0.002		0.000		0.000	
S5	0.002		0.000		0.000	
S6	0.002		0.000		-0.000	
S7	0.002		0.000		0.000	
S8	0.002		0.000		-0.000	



Company	Kerr-McGee Oil & Gas OnShore L.P.
Well	Adamson 35C-28HZ
Field	Wattenberg
County	Weld
State	Colorado