

County Weld State Colorado

Other Services

Permanent Datum	Ground Level	Elevation	4/90
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Elevation

1

G.L. 4/30

1

21-FEB-2020

7910 FT

6800 FT

7.875"

8.34 lb/gal

[See Log](#)

09:51

110-227
platteville, Co

C. Williams
Seth Chandra

To

24

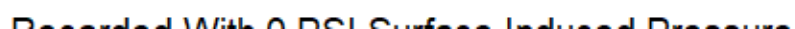
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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.

Log ran as per customer request
Depth referenced to Ground Level at 0 FT
Adjusted 19 FT to correlate with Ground Level
Log ran with 0 PSI Surface Induced Pressure
Logging tools were clean and free of debris upon completion of operations

Thank you for choosing Reliance Oilfield Services, LLC!!

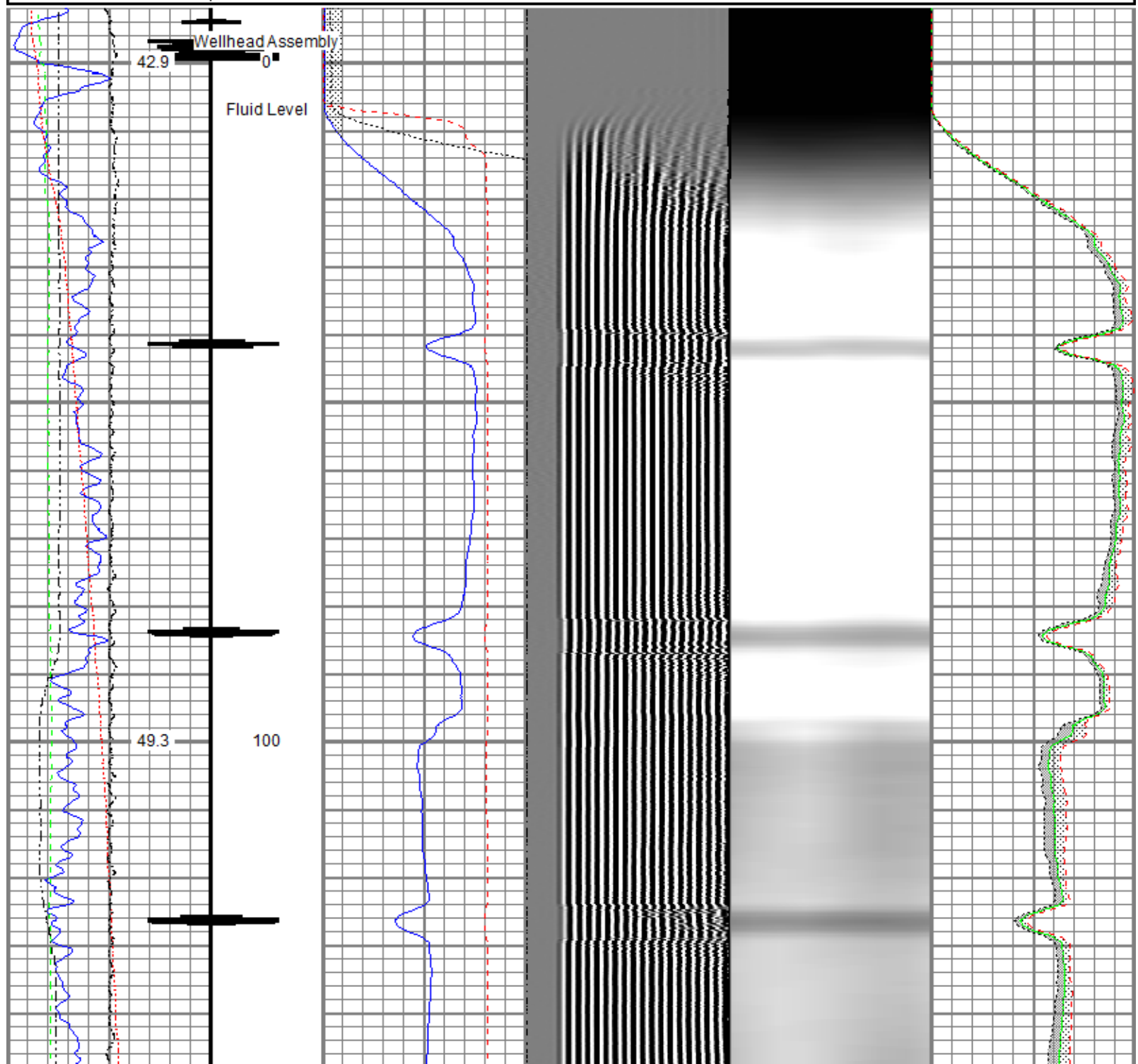
Main Pass

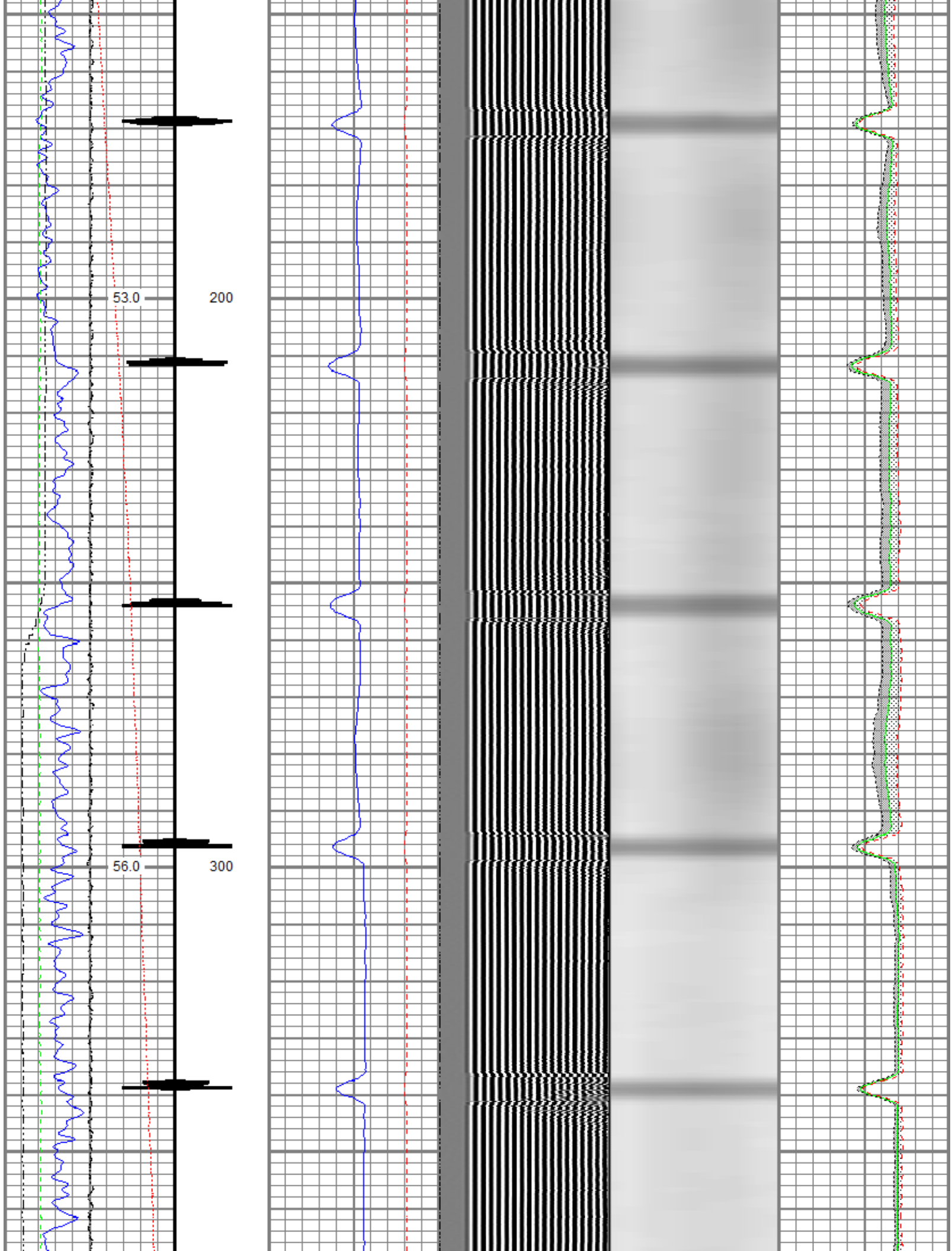


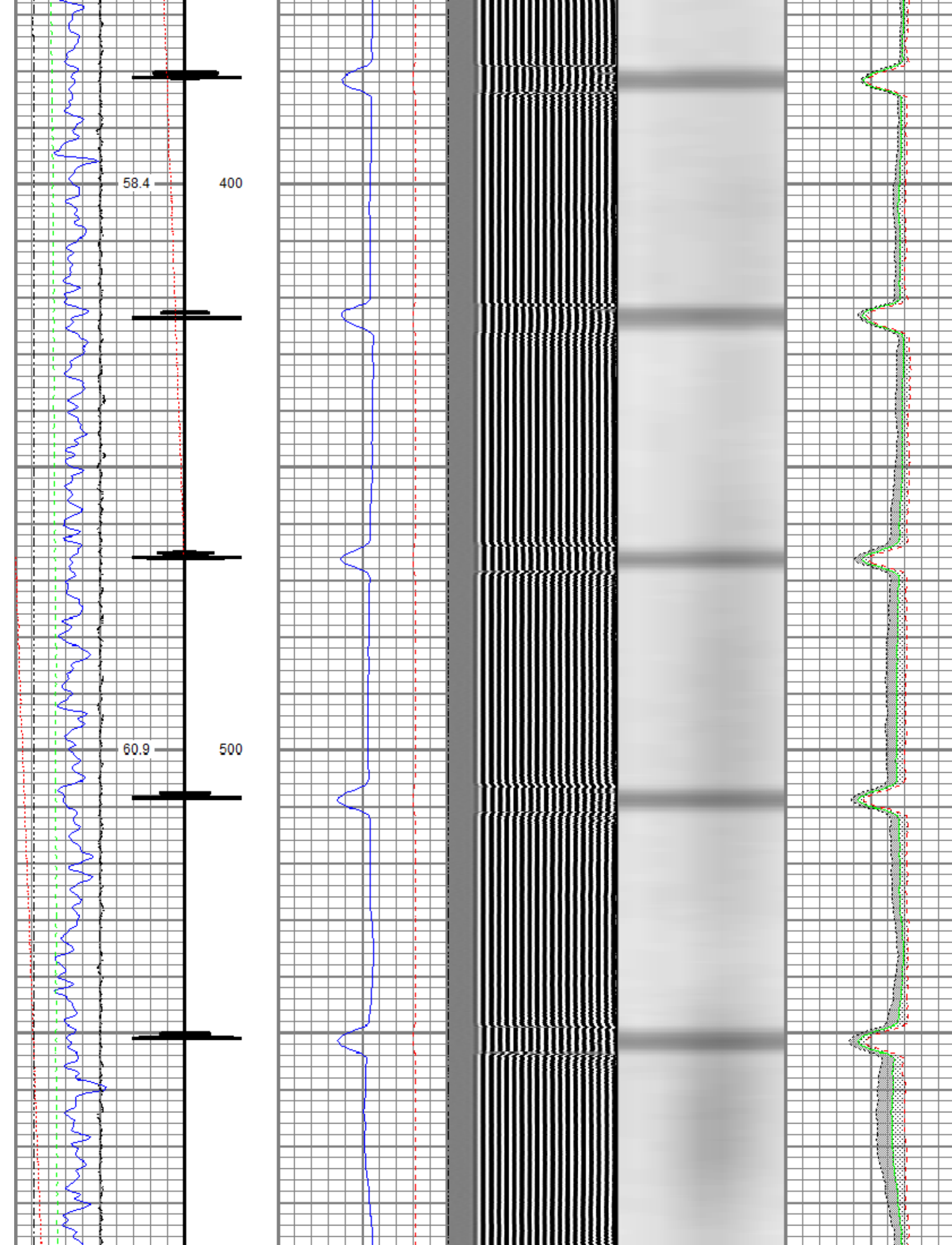
Recorded with 0 PSI Surface Induced Pressure

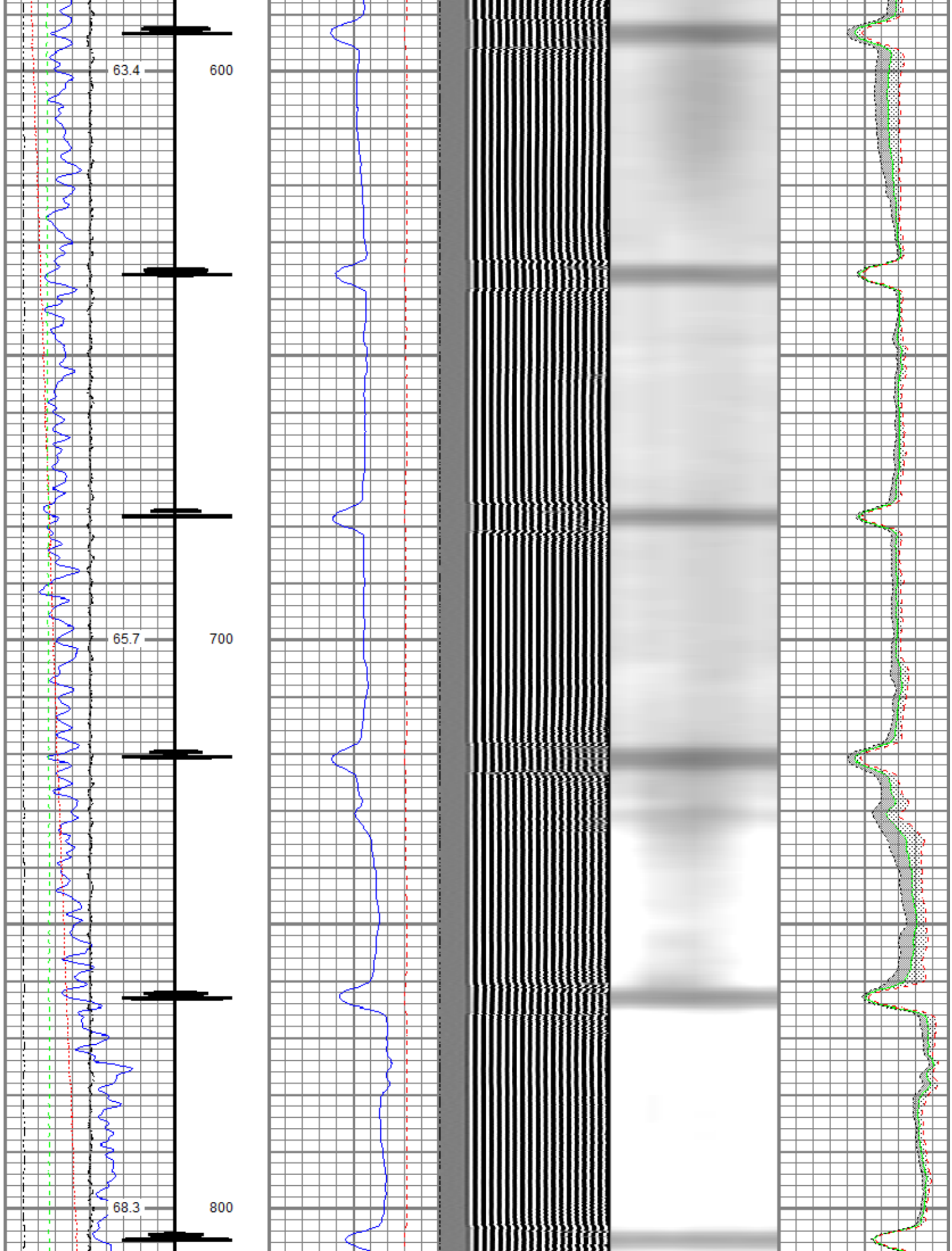
Database File oxy\0512321200_oxy_magness 3-24a_rbl_02-21-20\processed_0512321200_oxy_magness 3-24a_rbl_02-21-20.db
 Dataset Pathname RBL/MAIN_PASS.7
 Presentation Format ros_radrii
 Dataset Creation Sun Feb 23 17:41:30 2020
 Charted by Depth in Feet scaled 1:240

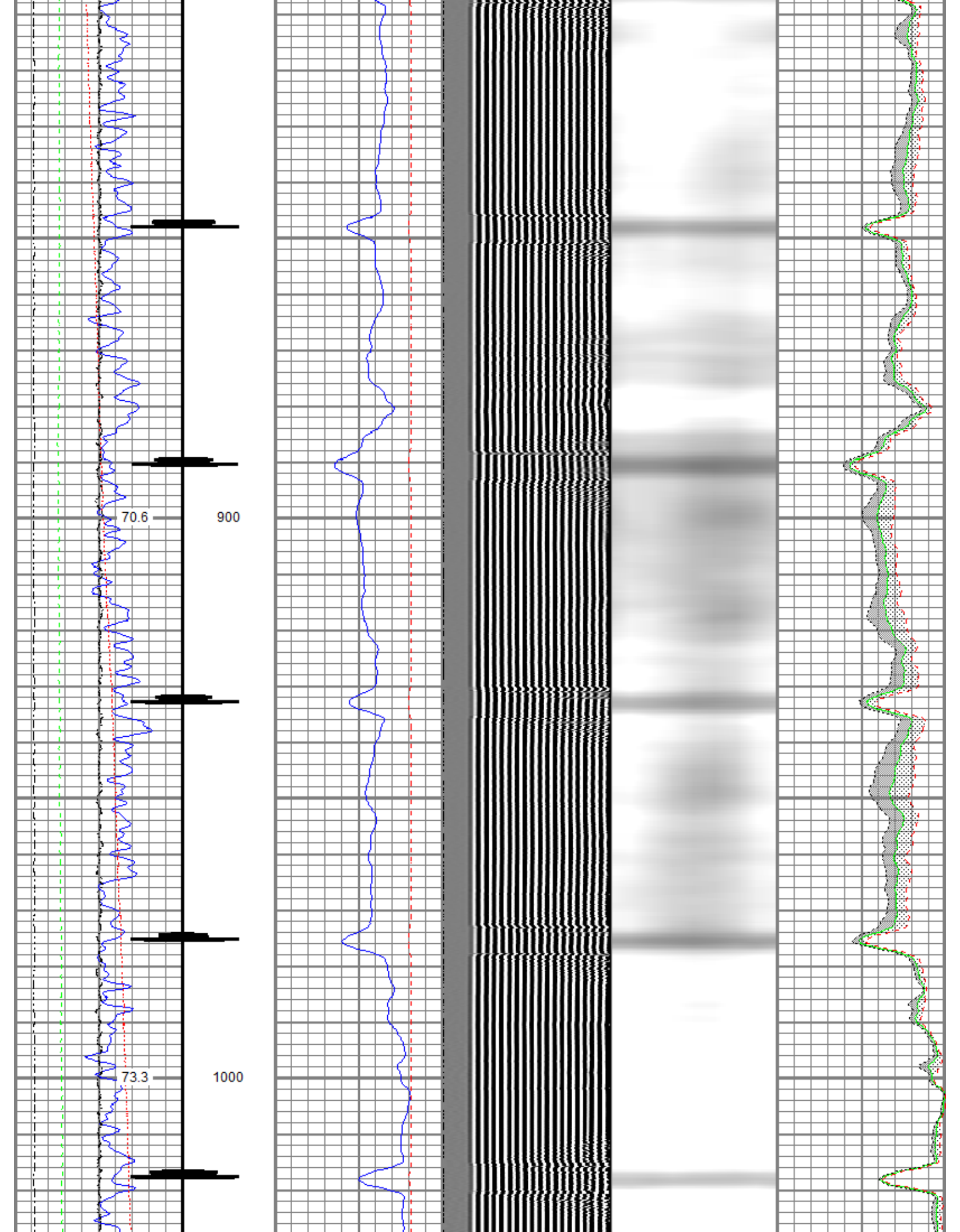
Gamma Ray	0	3' Amplitude (mV)	100	5' Variable Density Log	Sector Map	0	Average Amplitude	100
(GAPI)	120	3' Amplitude x 5	200	(usec)	1200		Minimum Amplitude	
Casing Collar Locator		0	(mV)	20		0		100
0 Temperature (degF)	20	3' Travel Time					Maximum Amplitude	
Line Speed		650	(usec)	150		0		100
-150 (ft/min)	150							
0 Line Tension (lb)	2000							
Differential Temperature								
-2 (degF)	2							

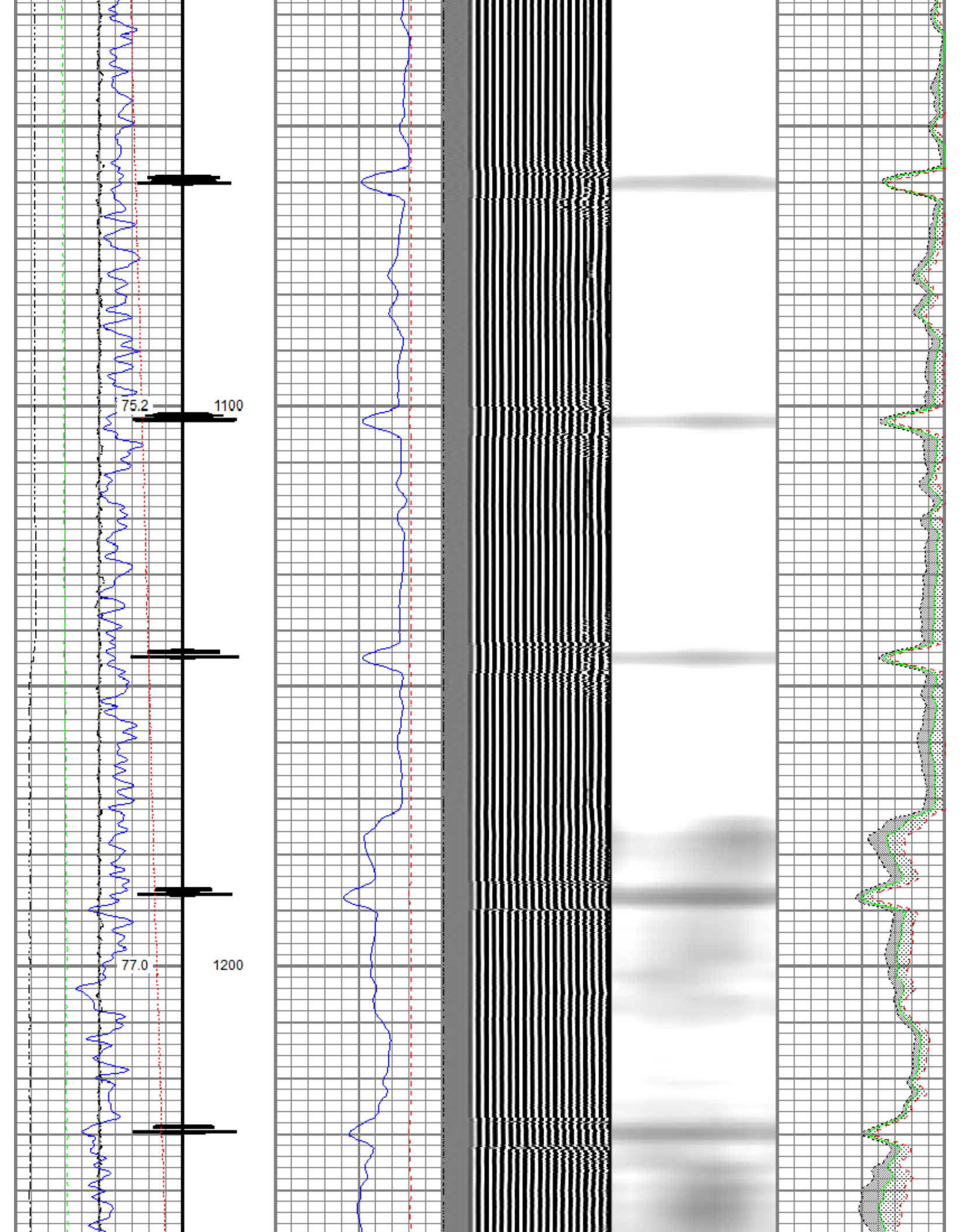


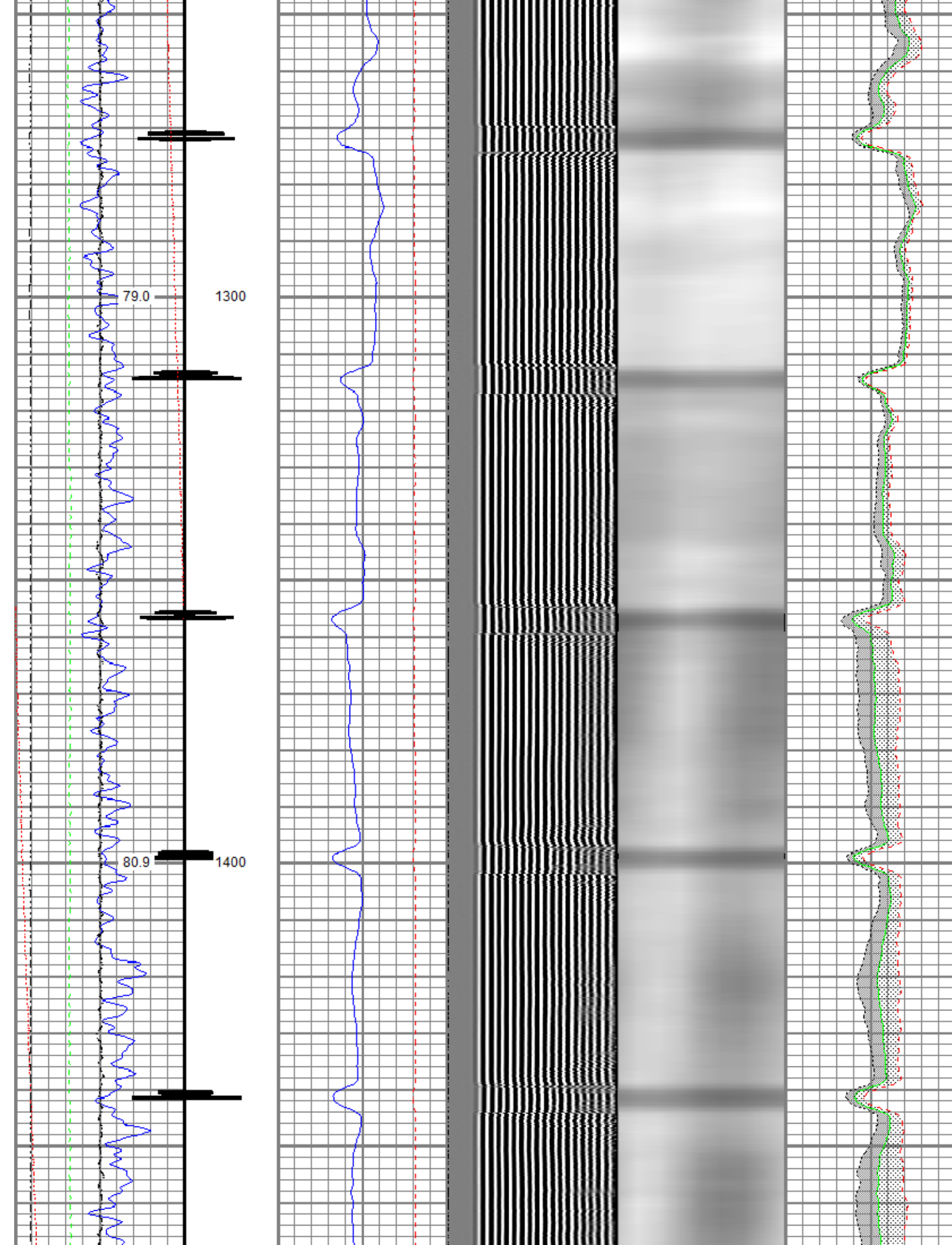


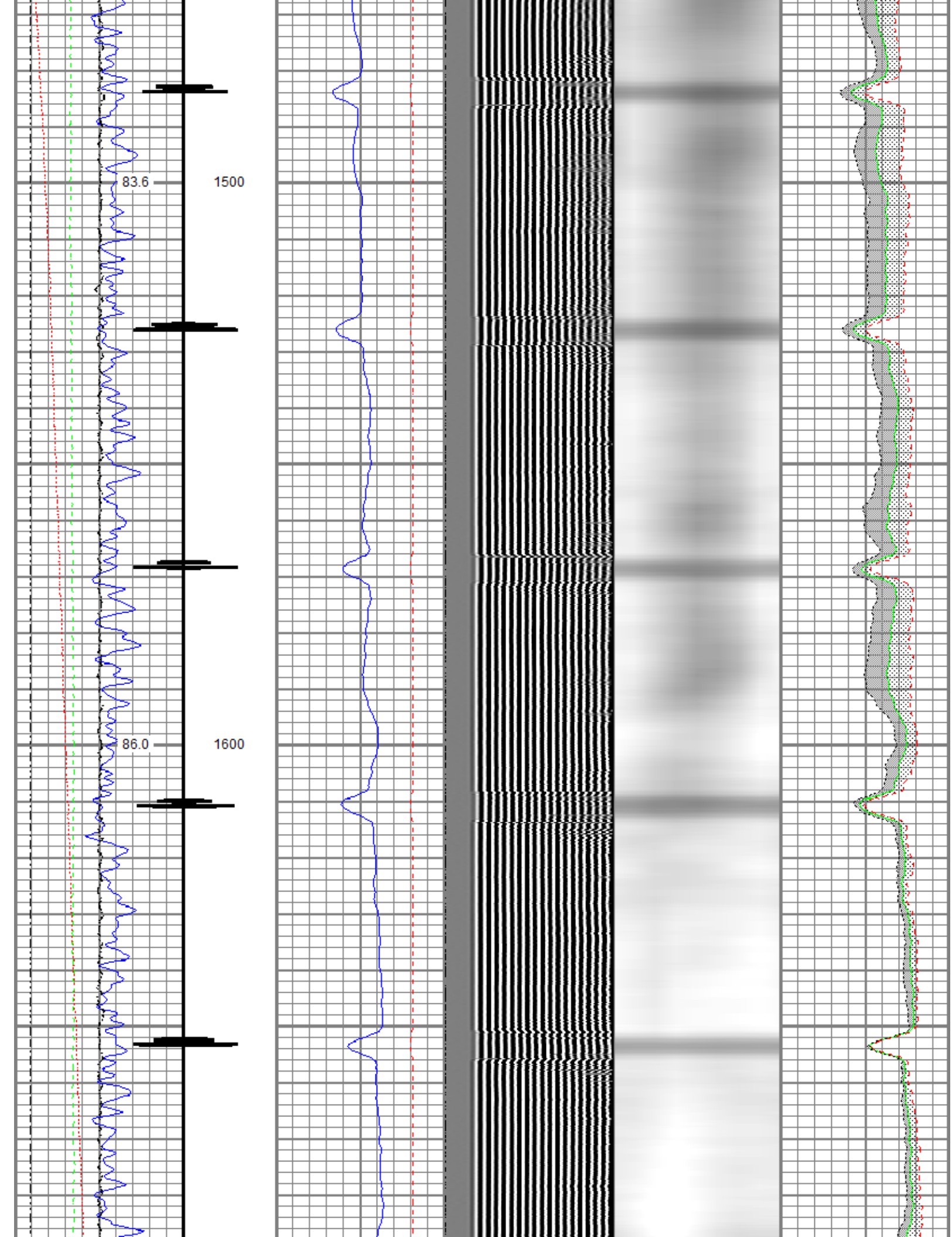


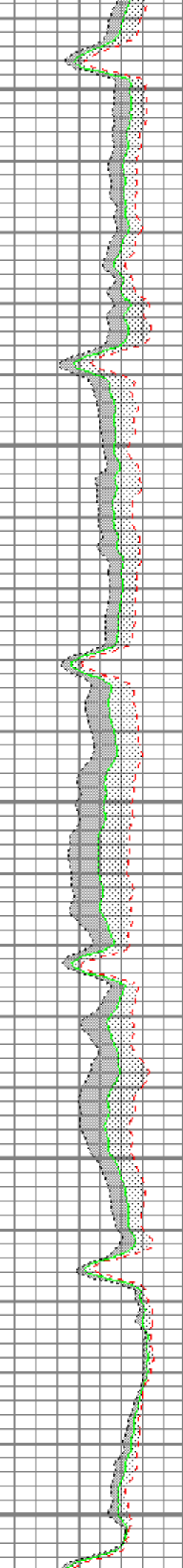
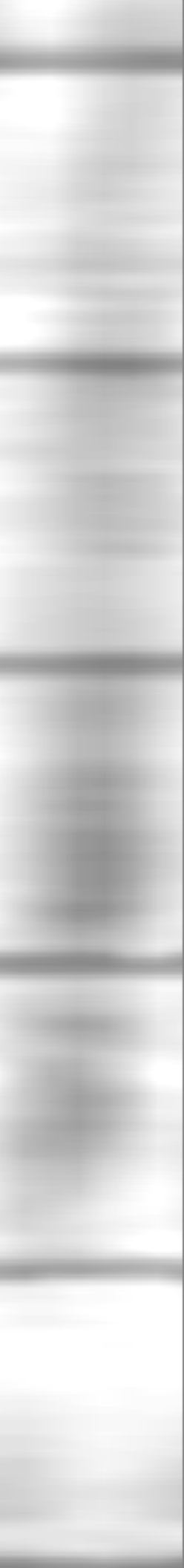
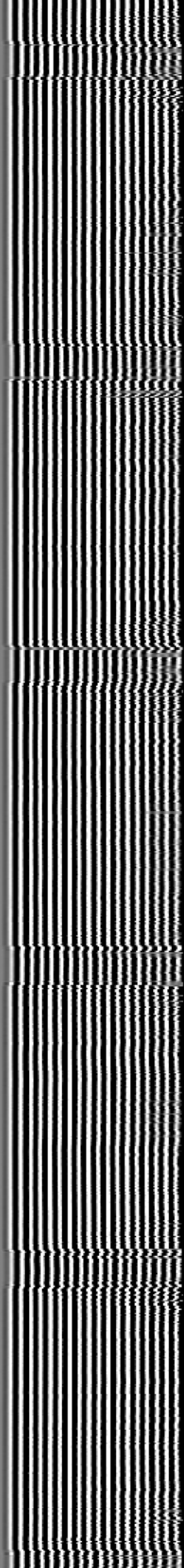
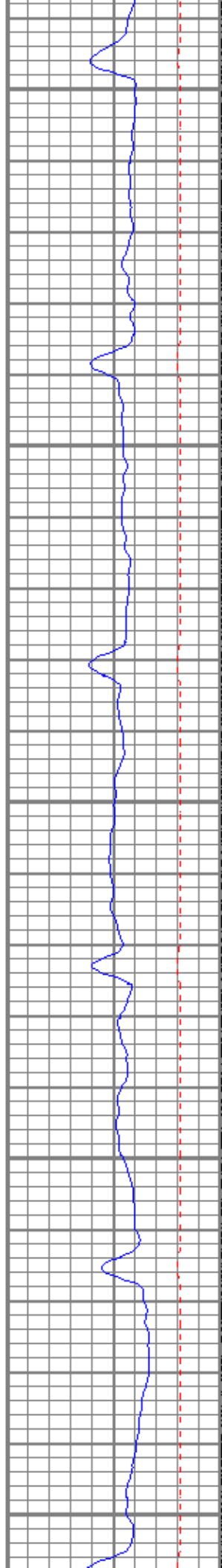
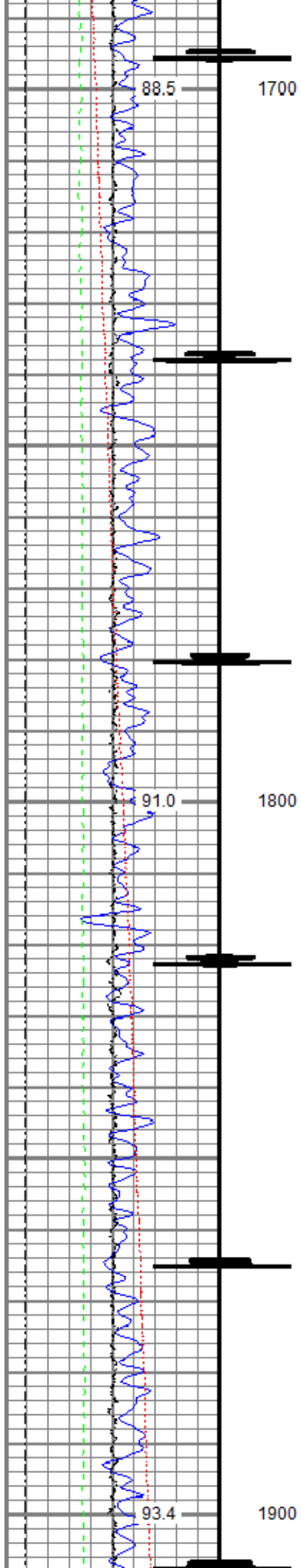


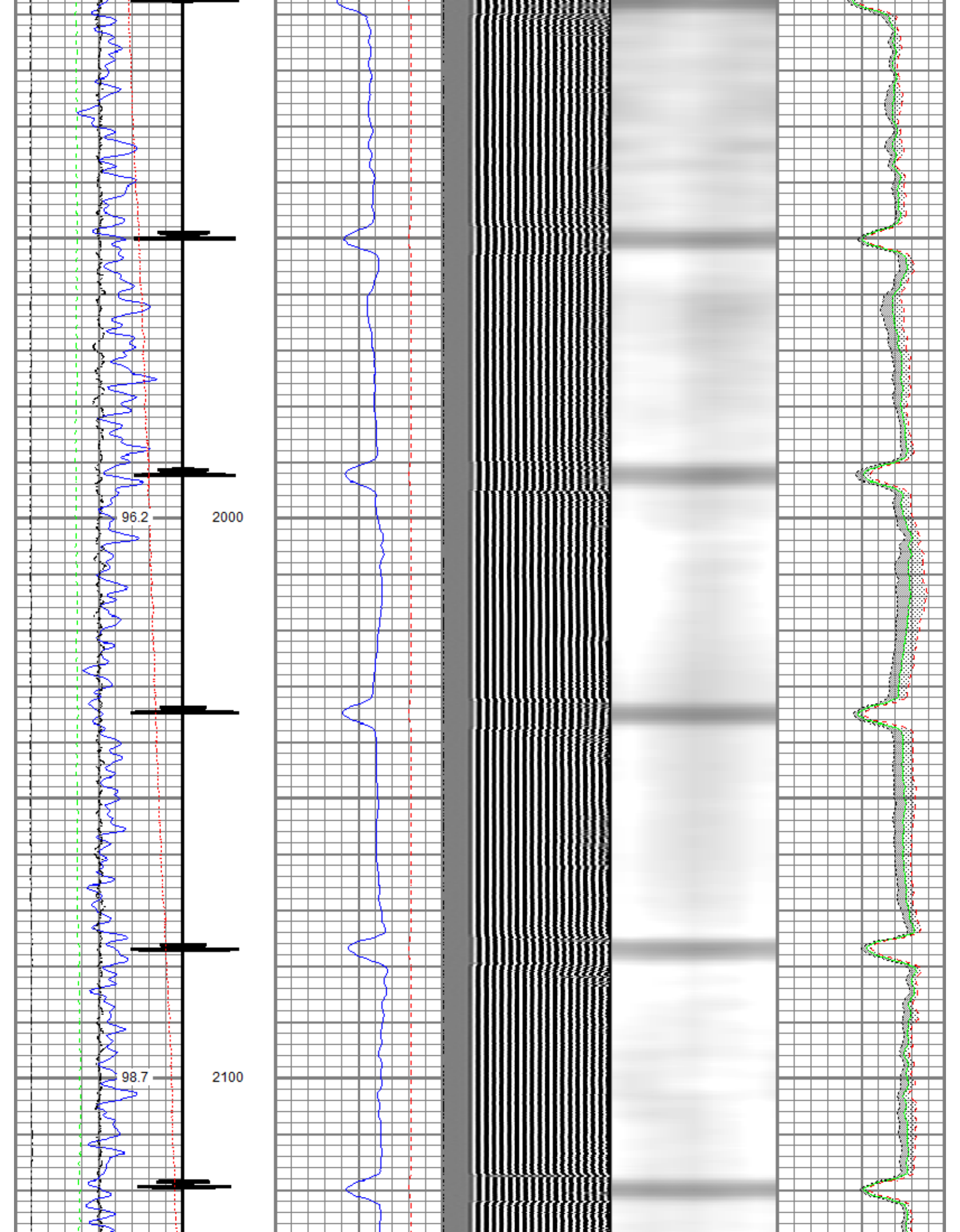


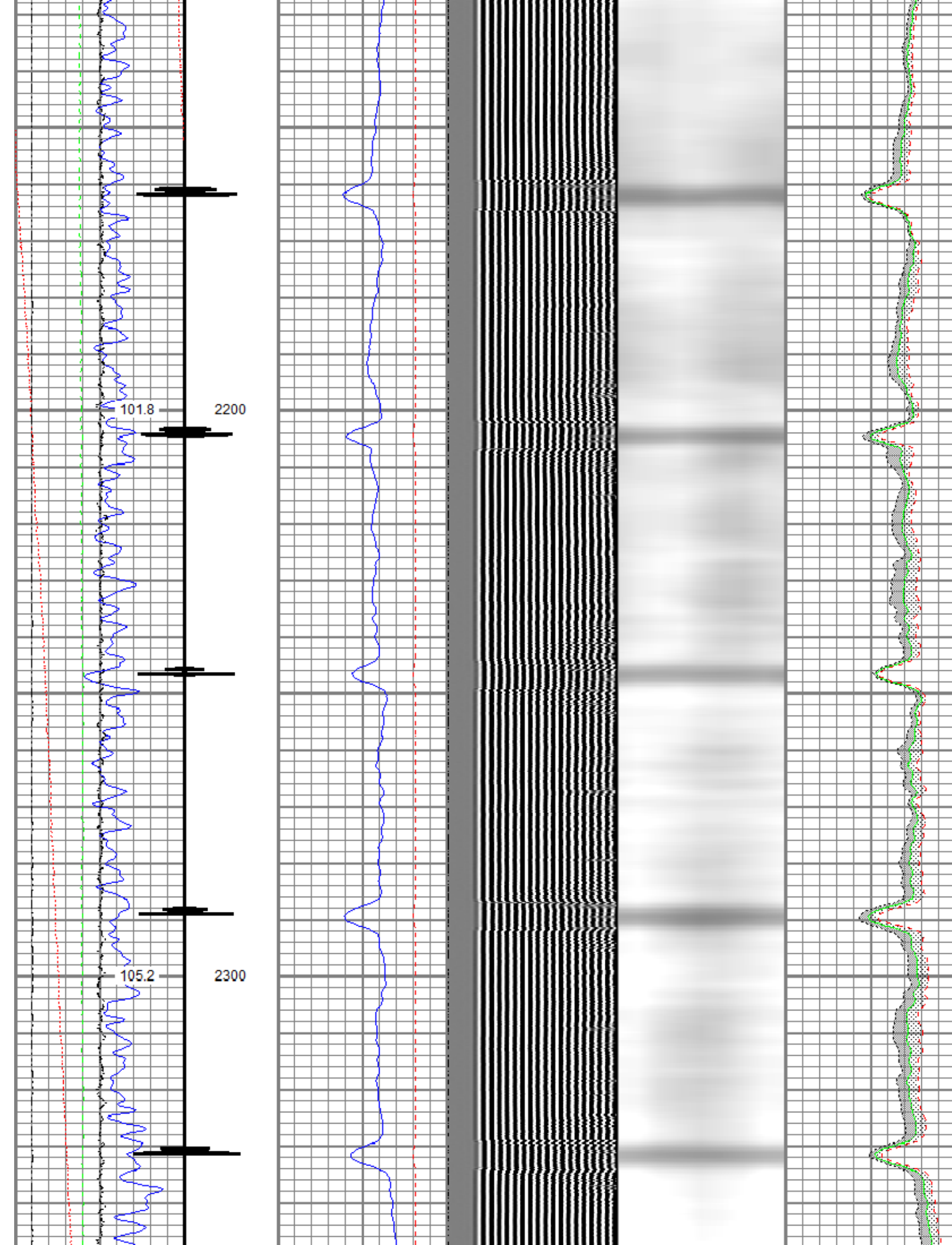


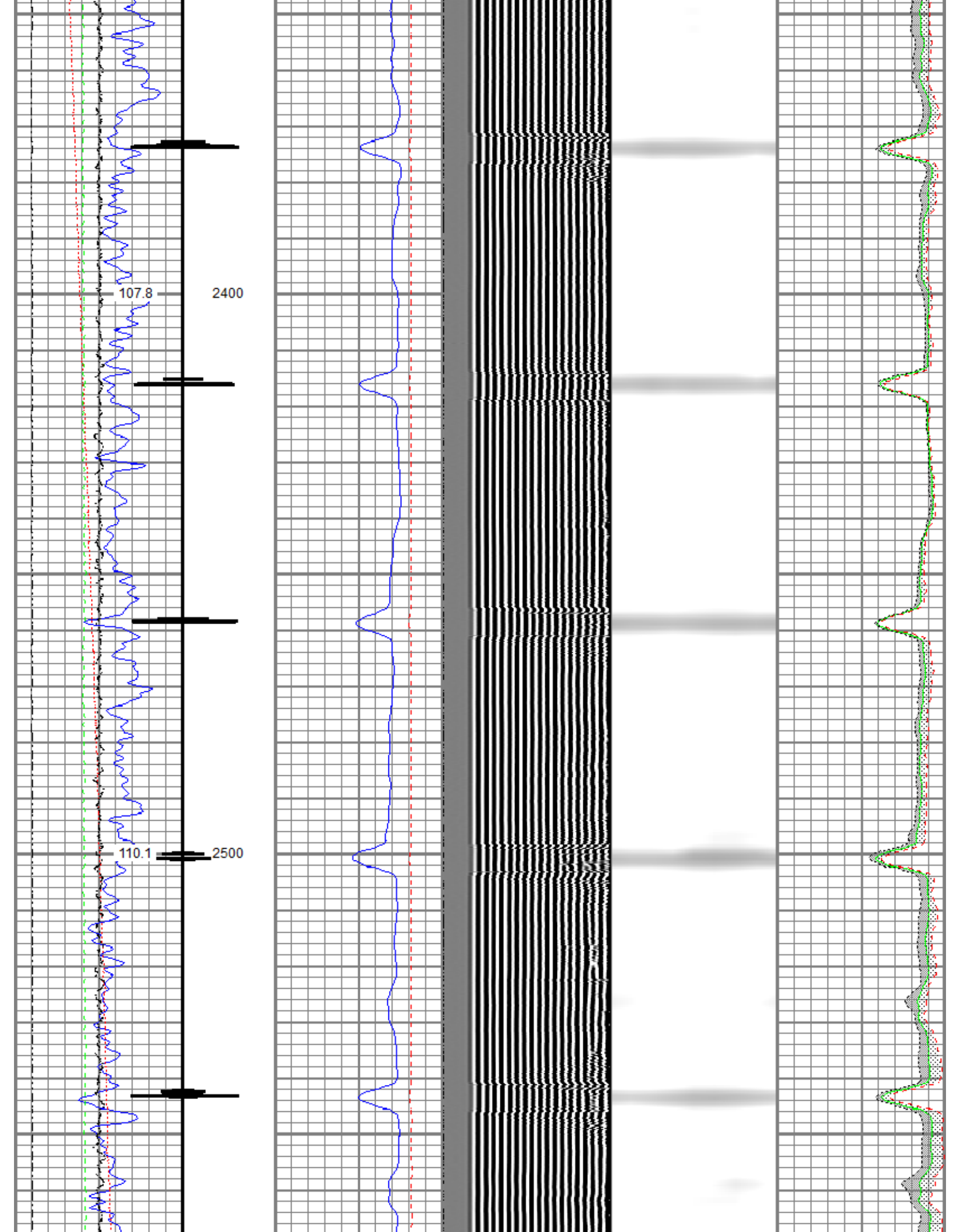


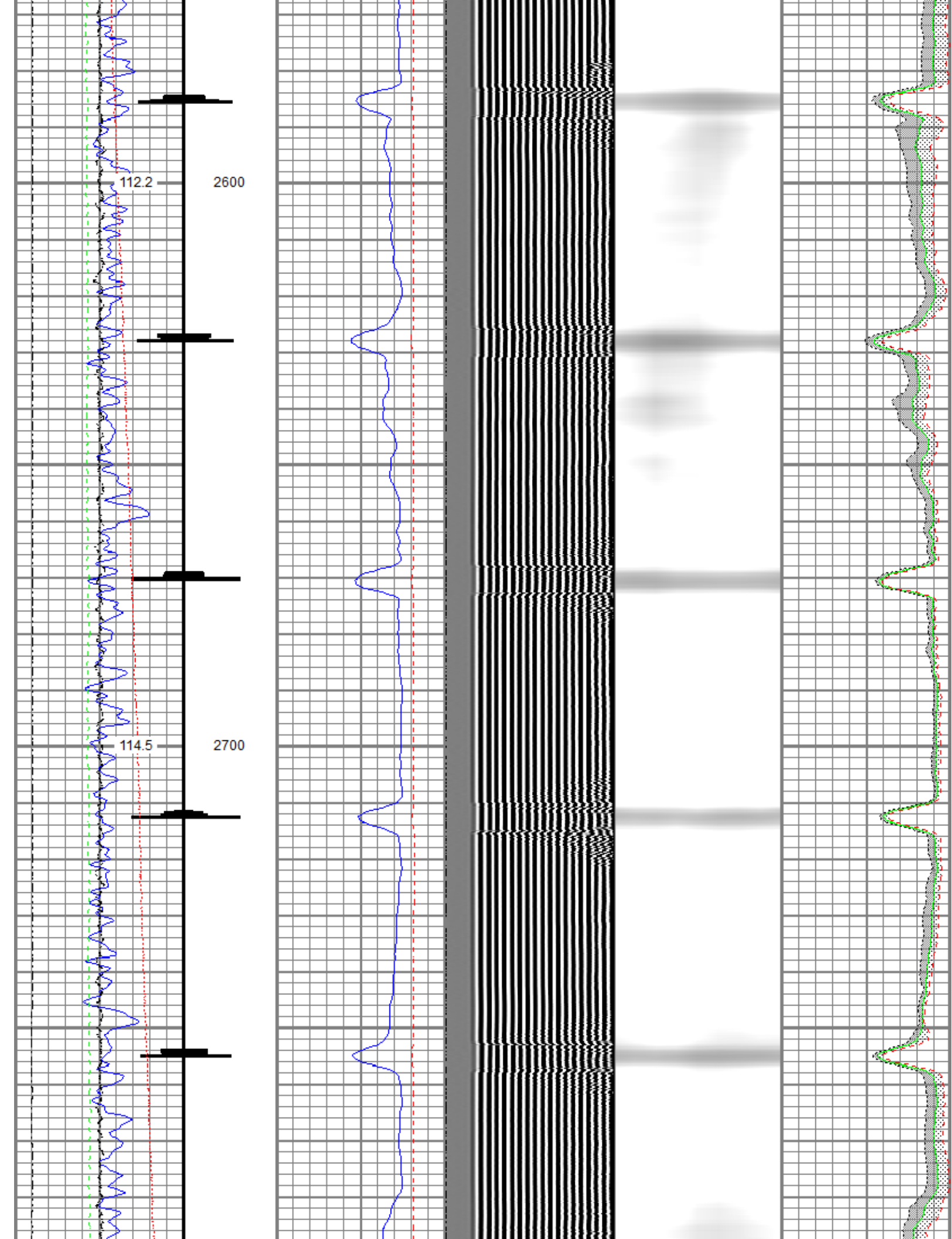


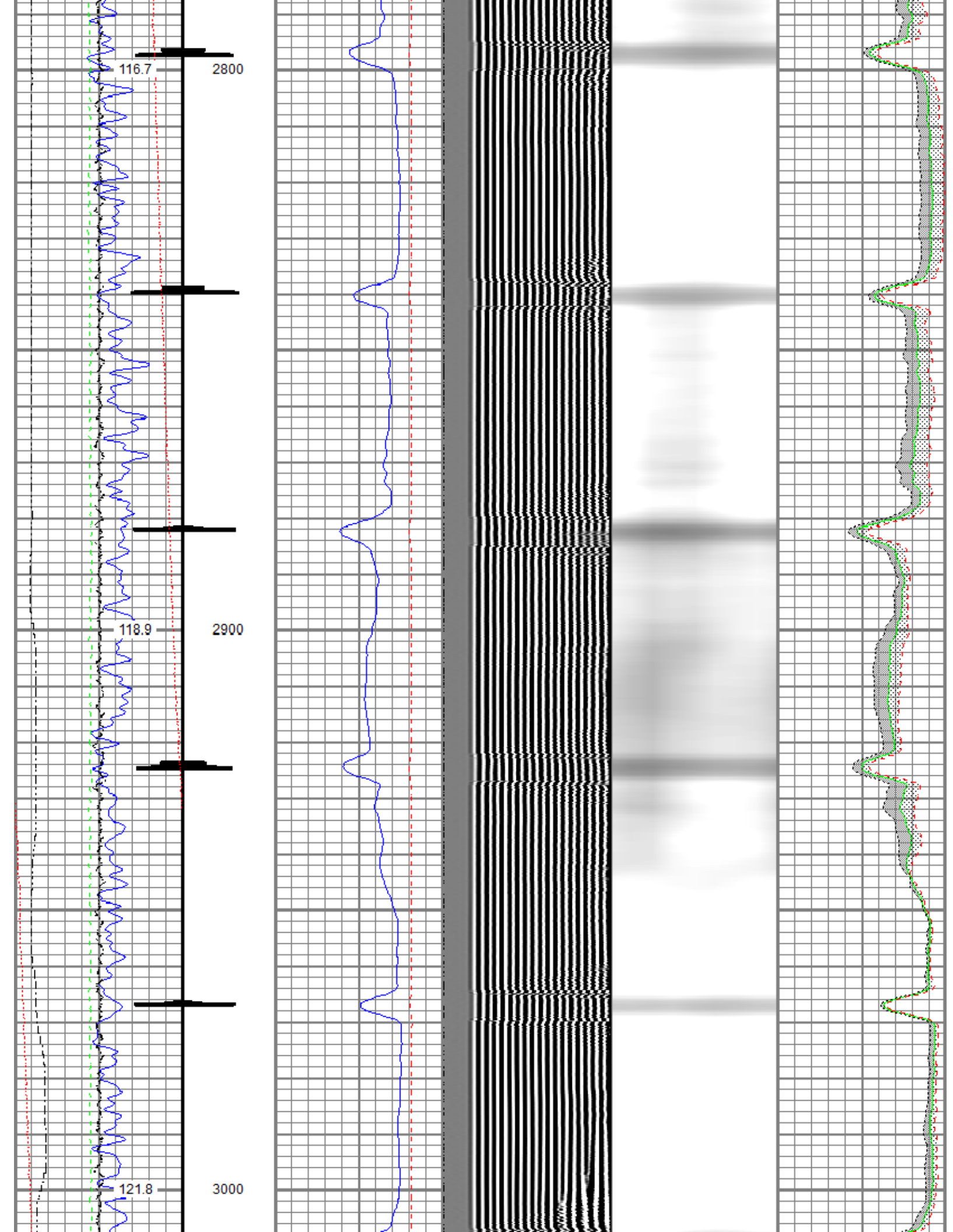


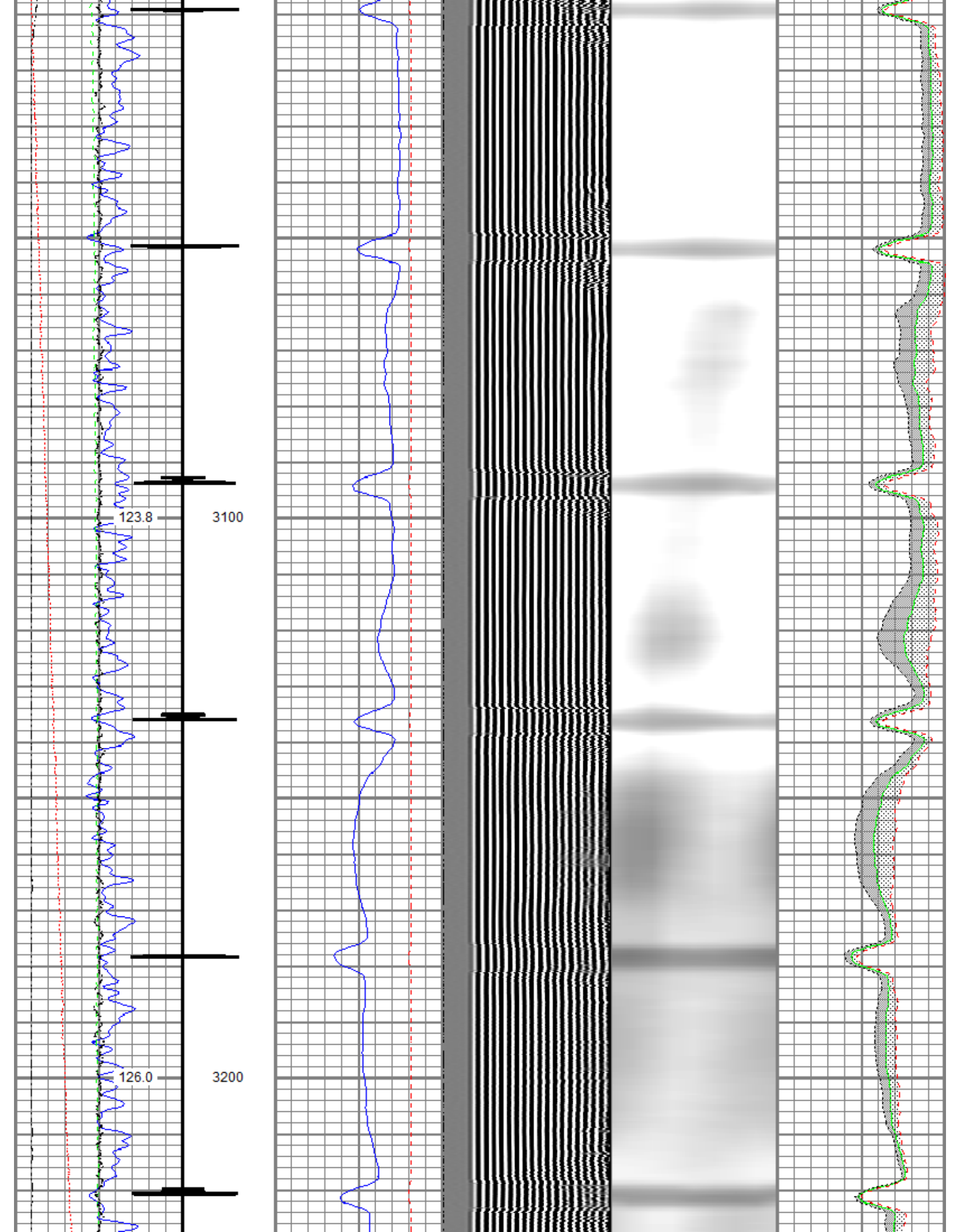


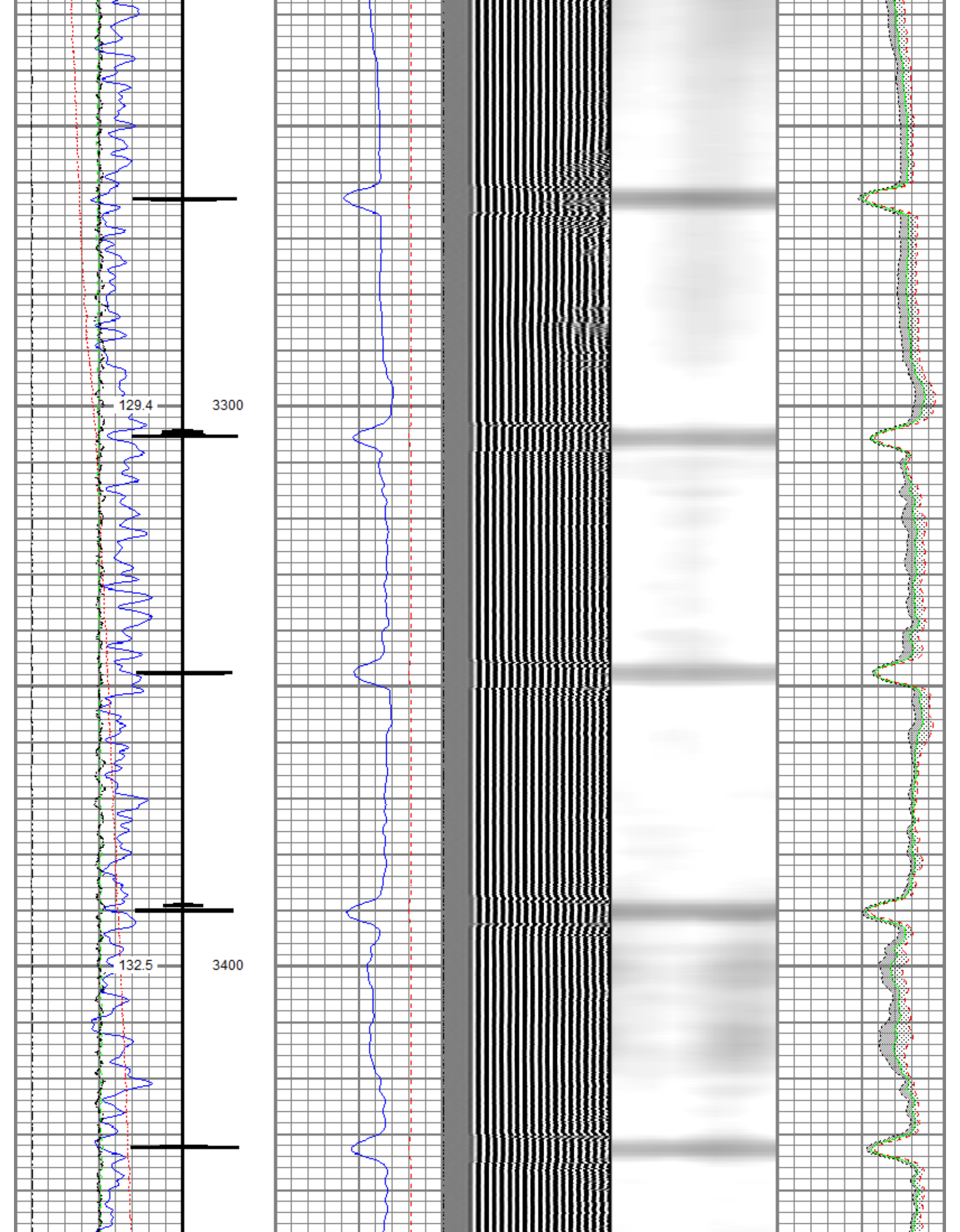


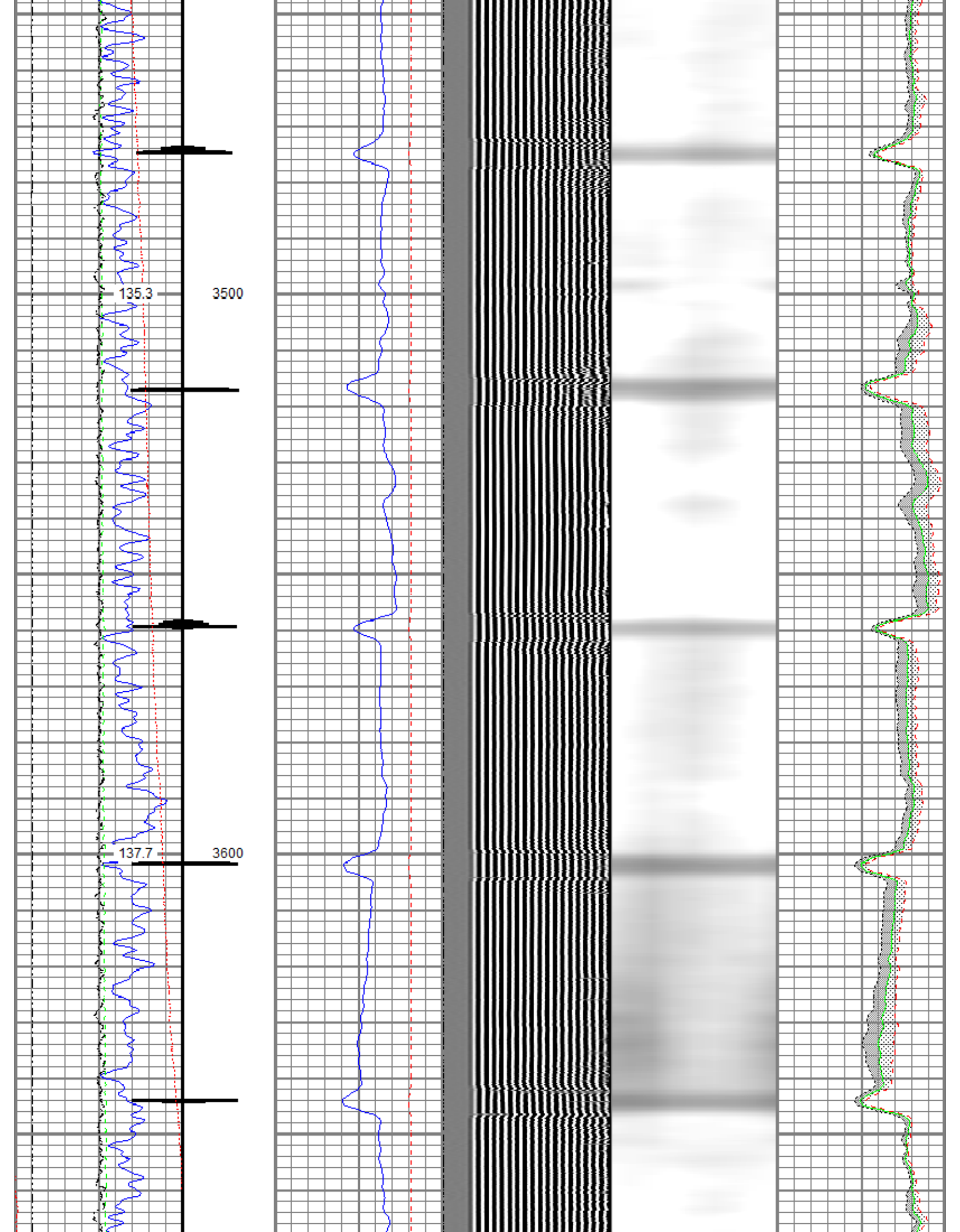


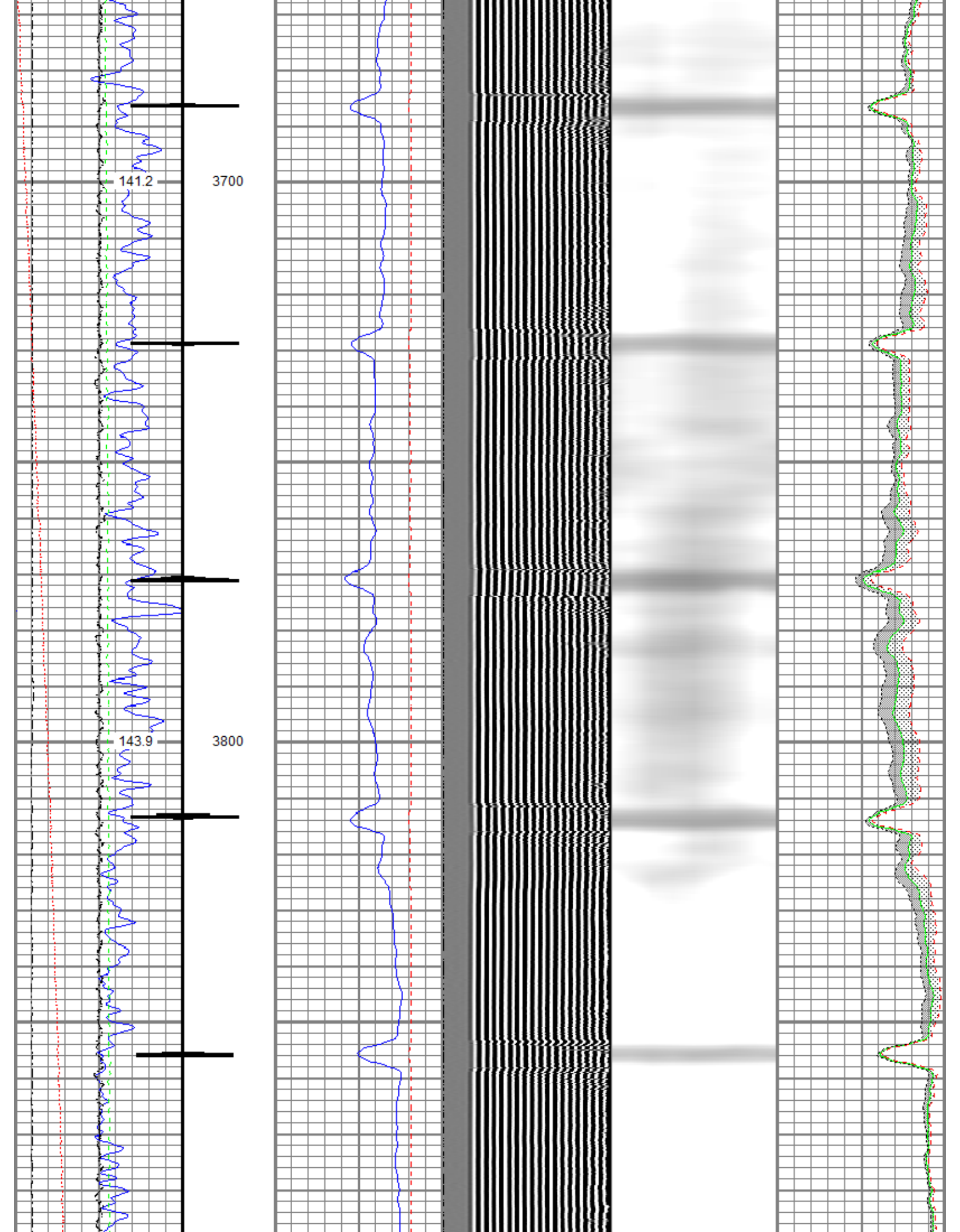


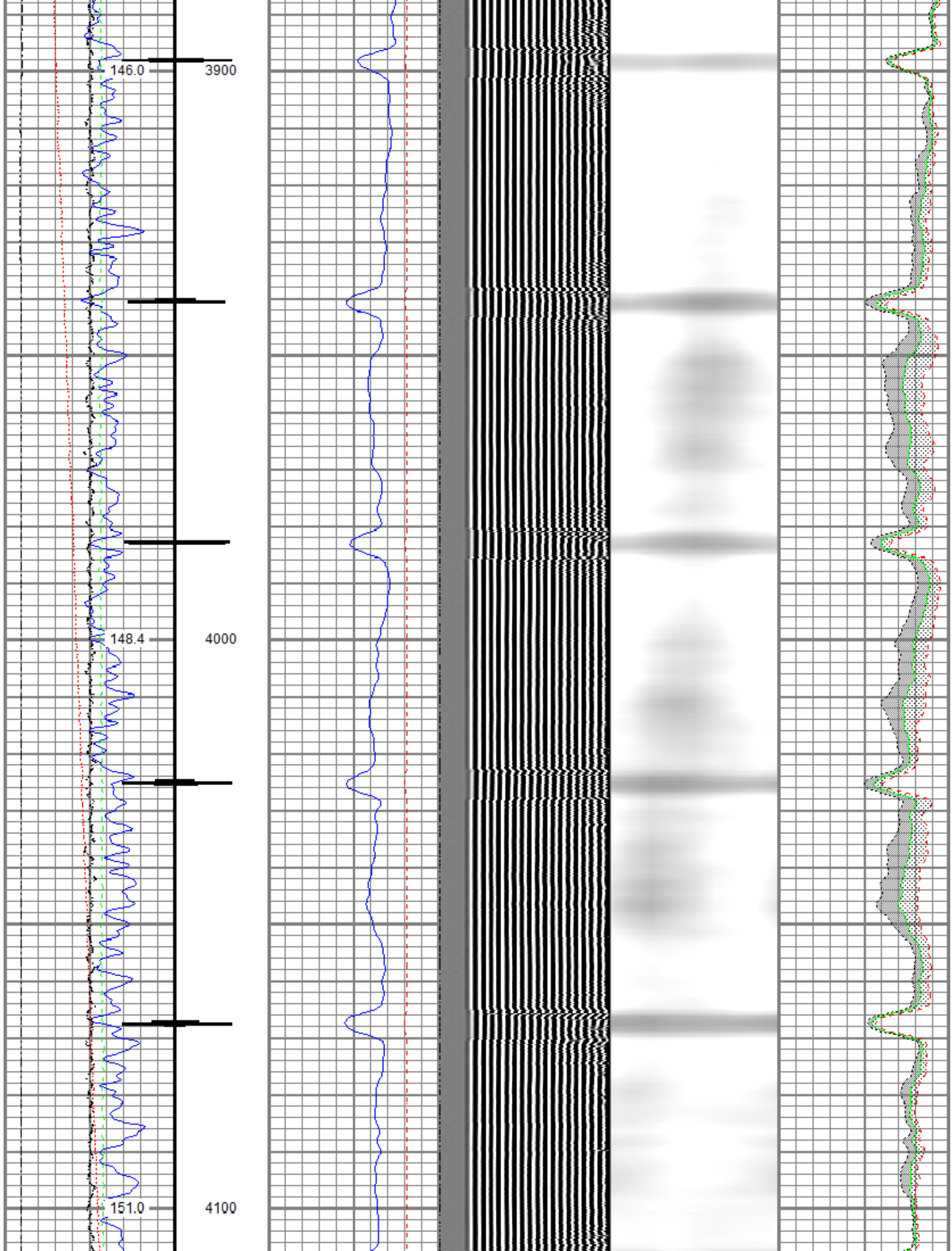


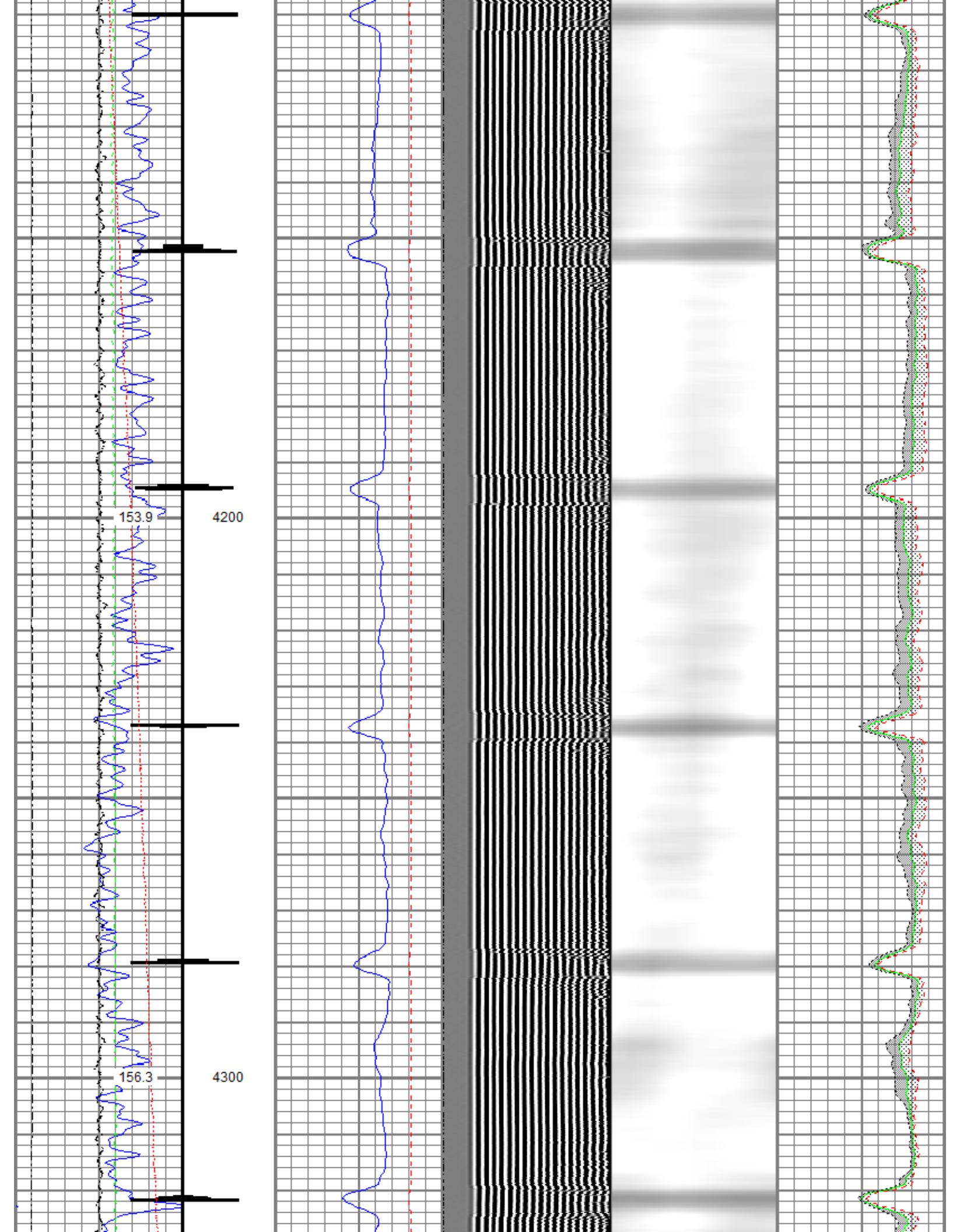


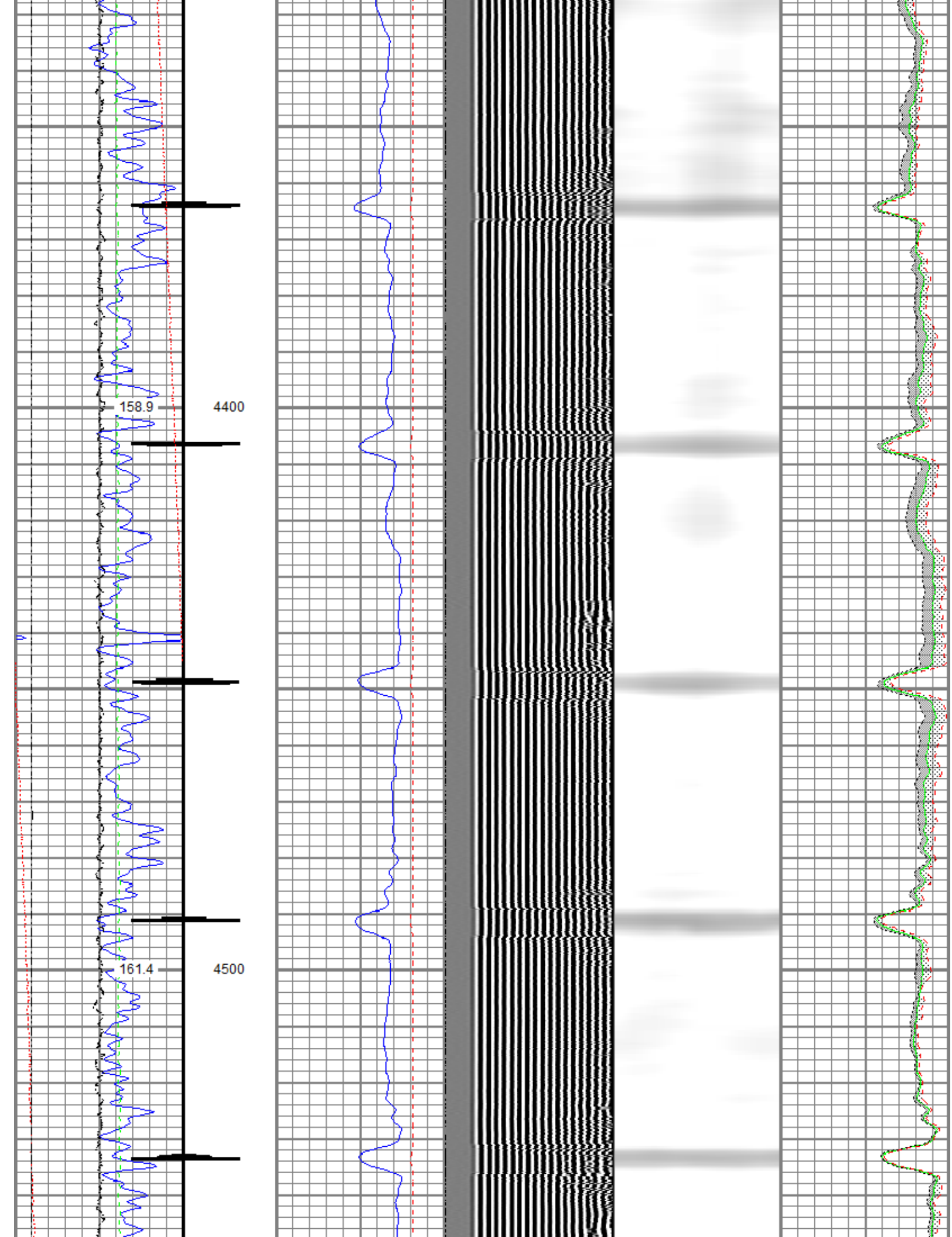


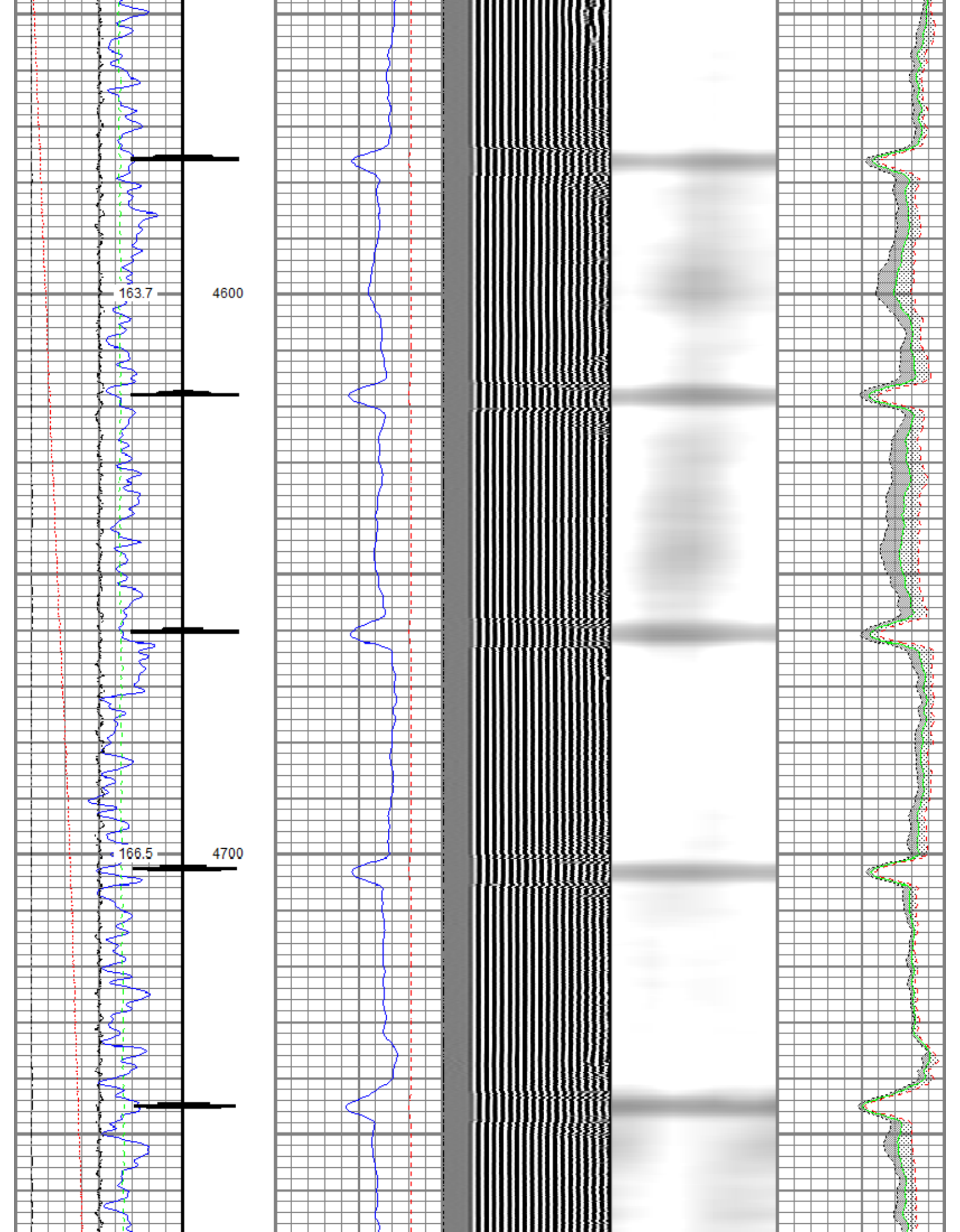


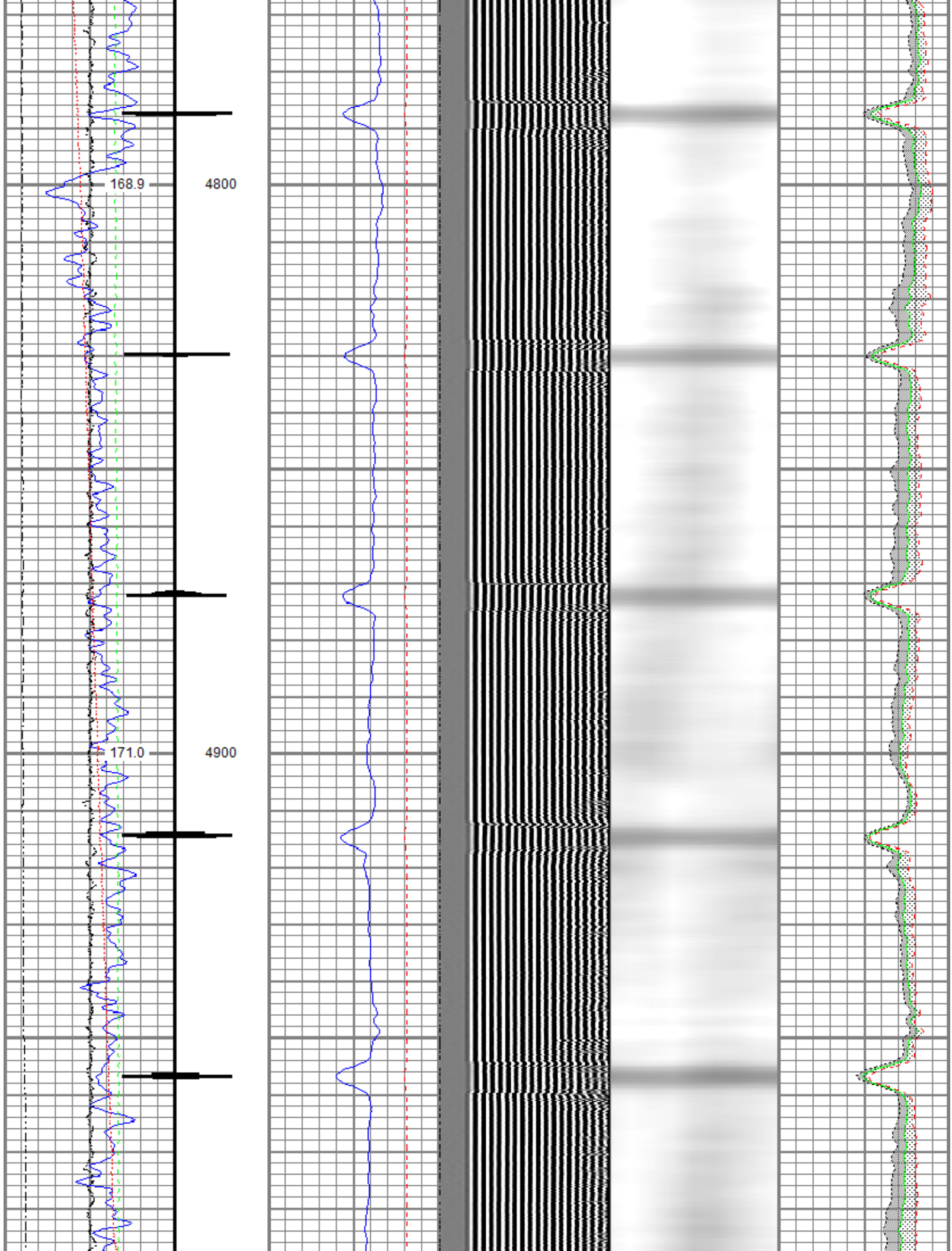


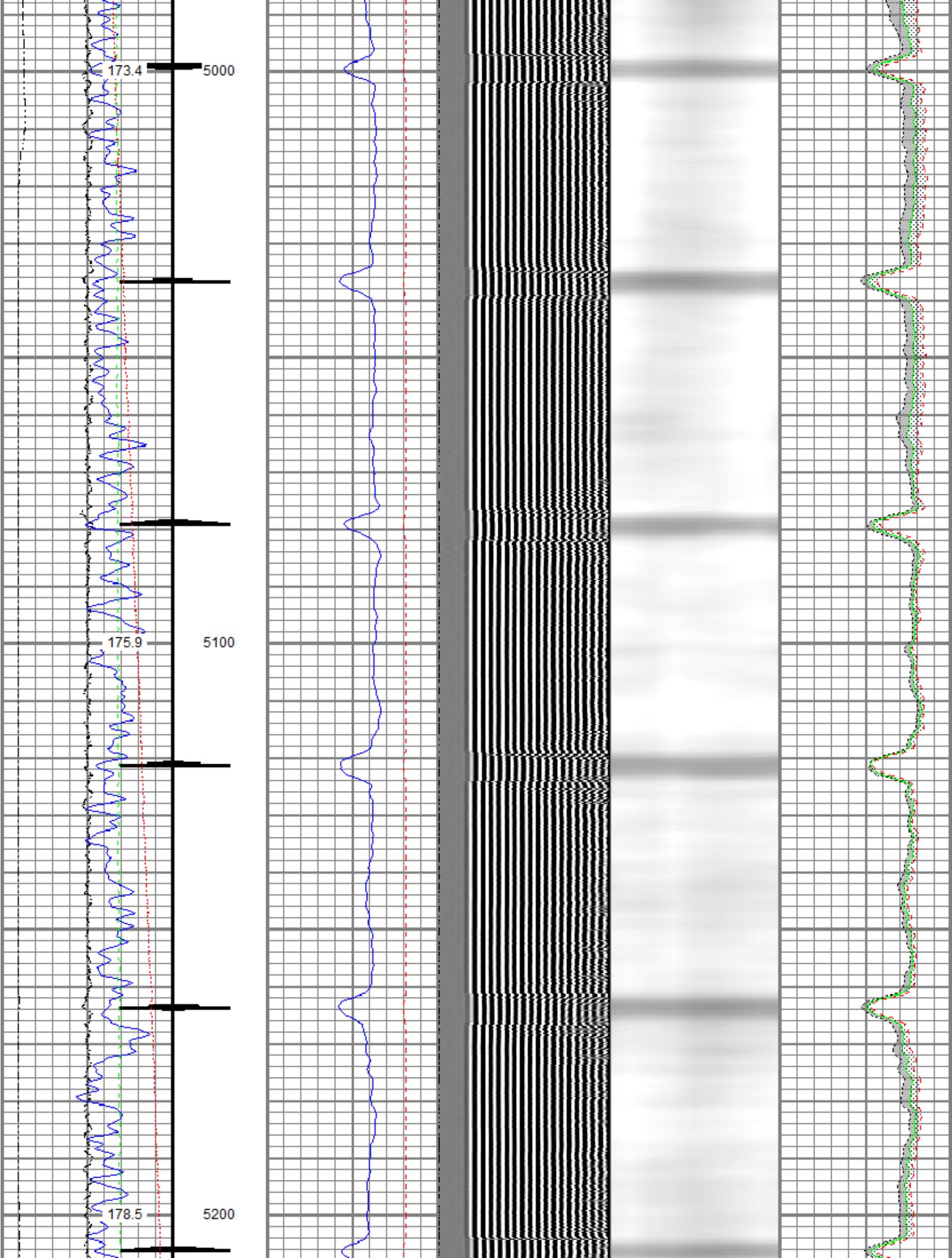


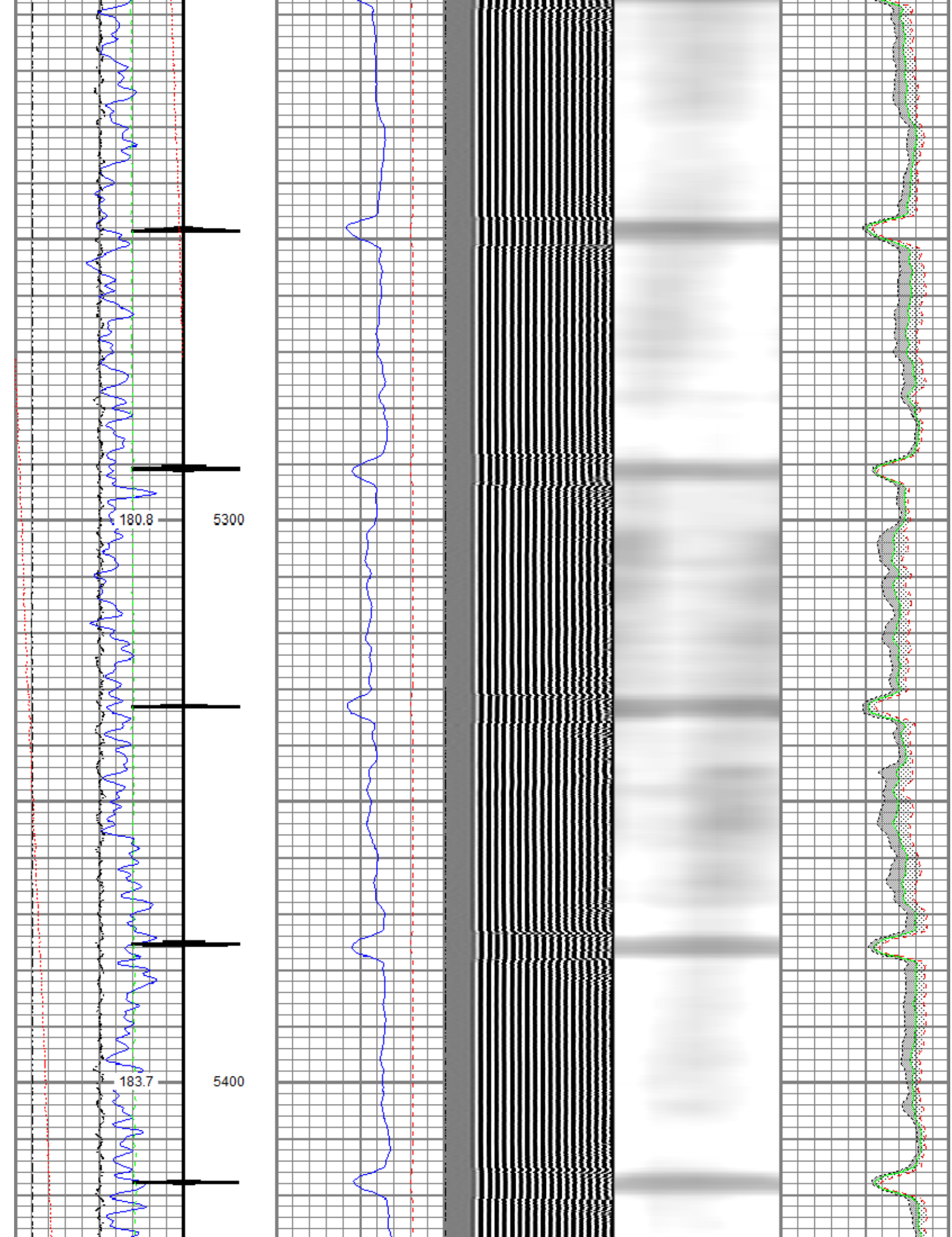


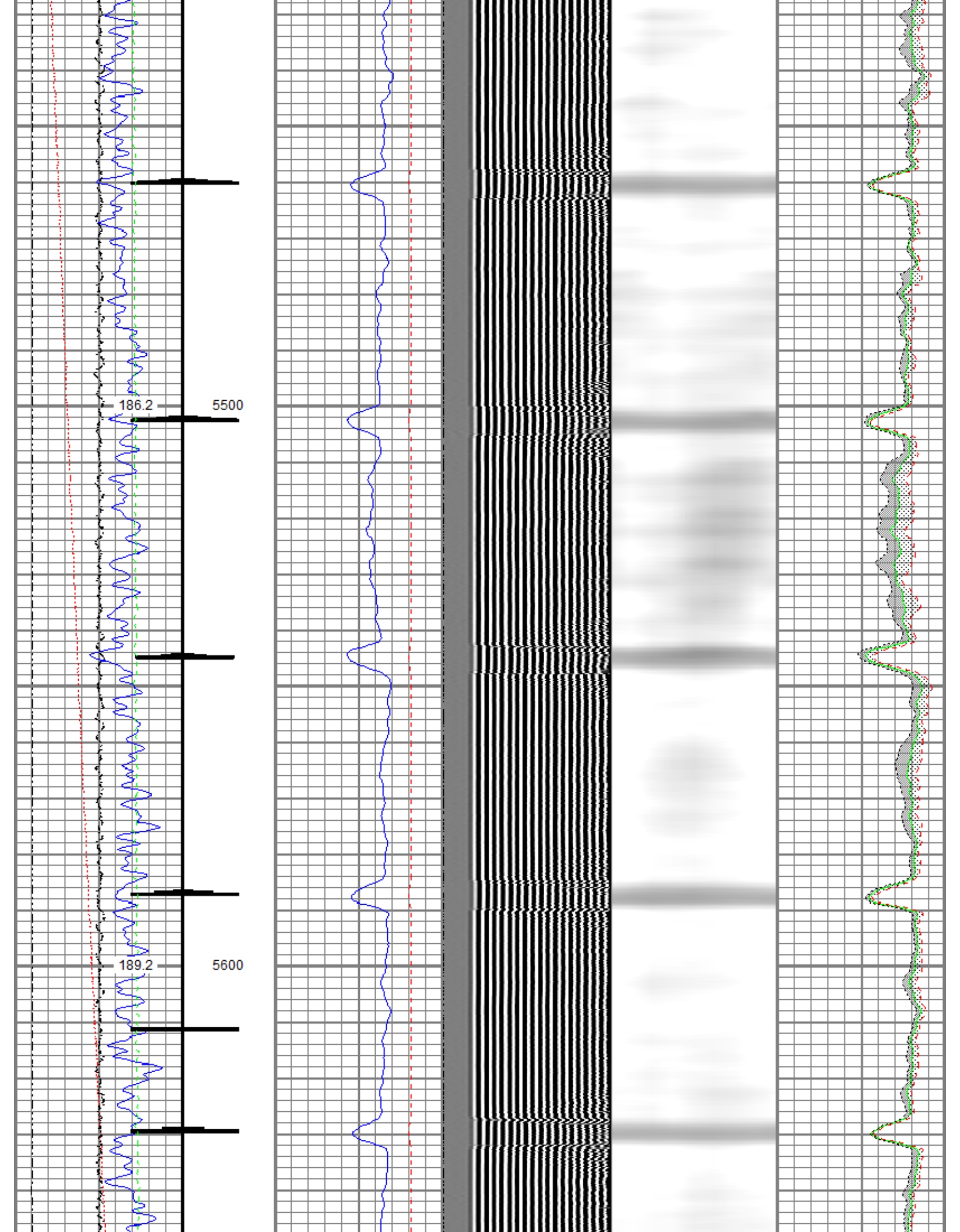


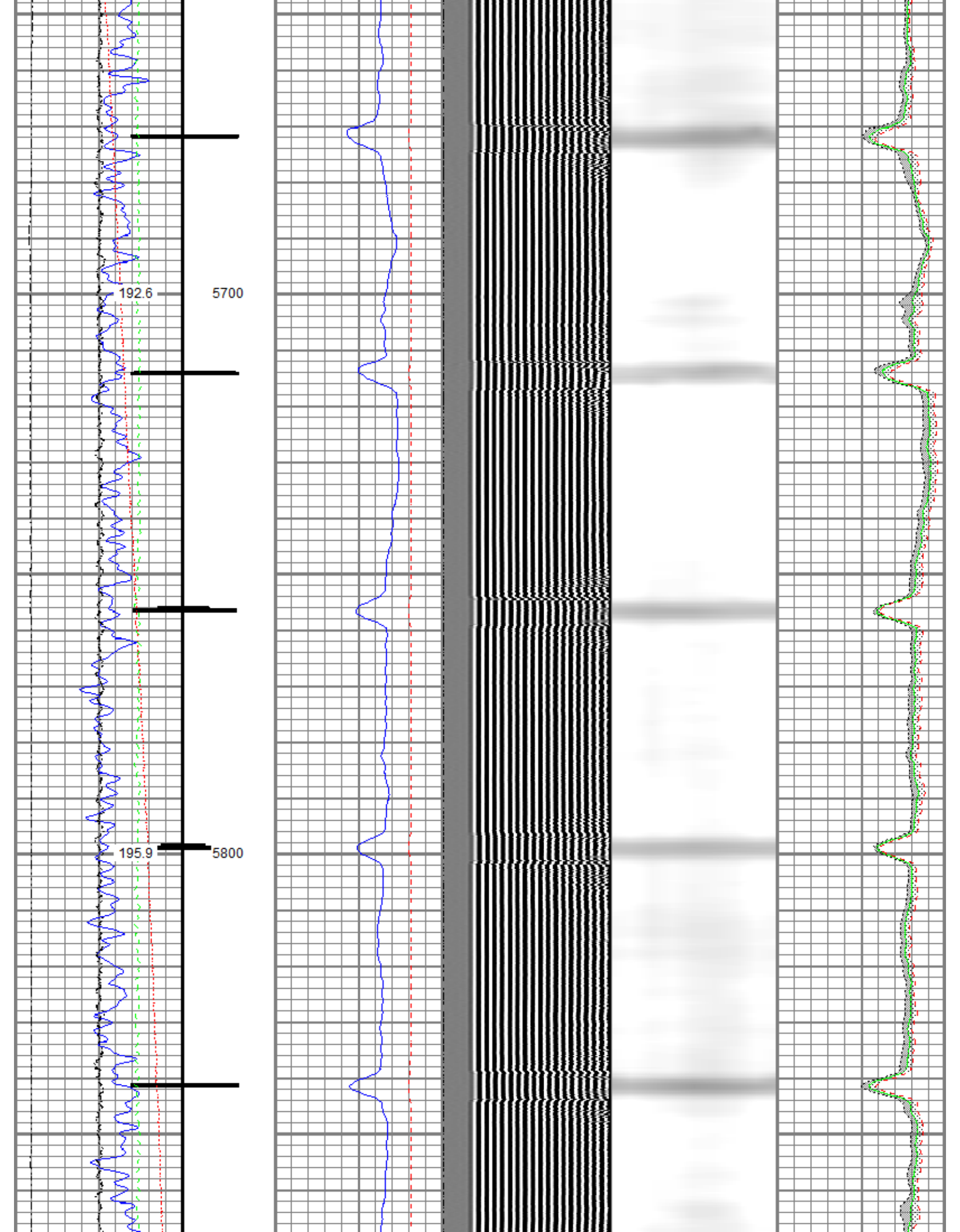


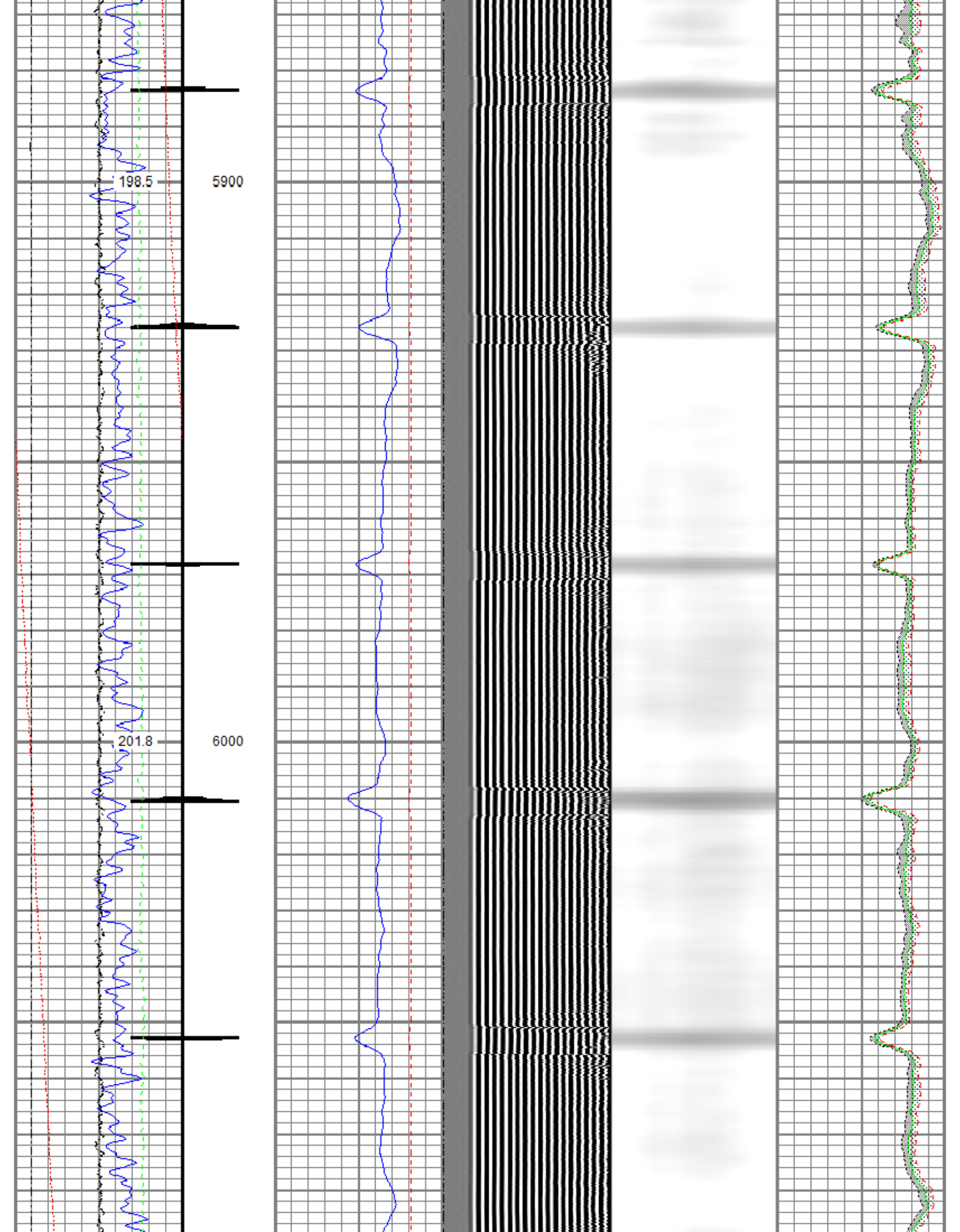


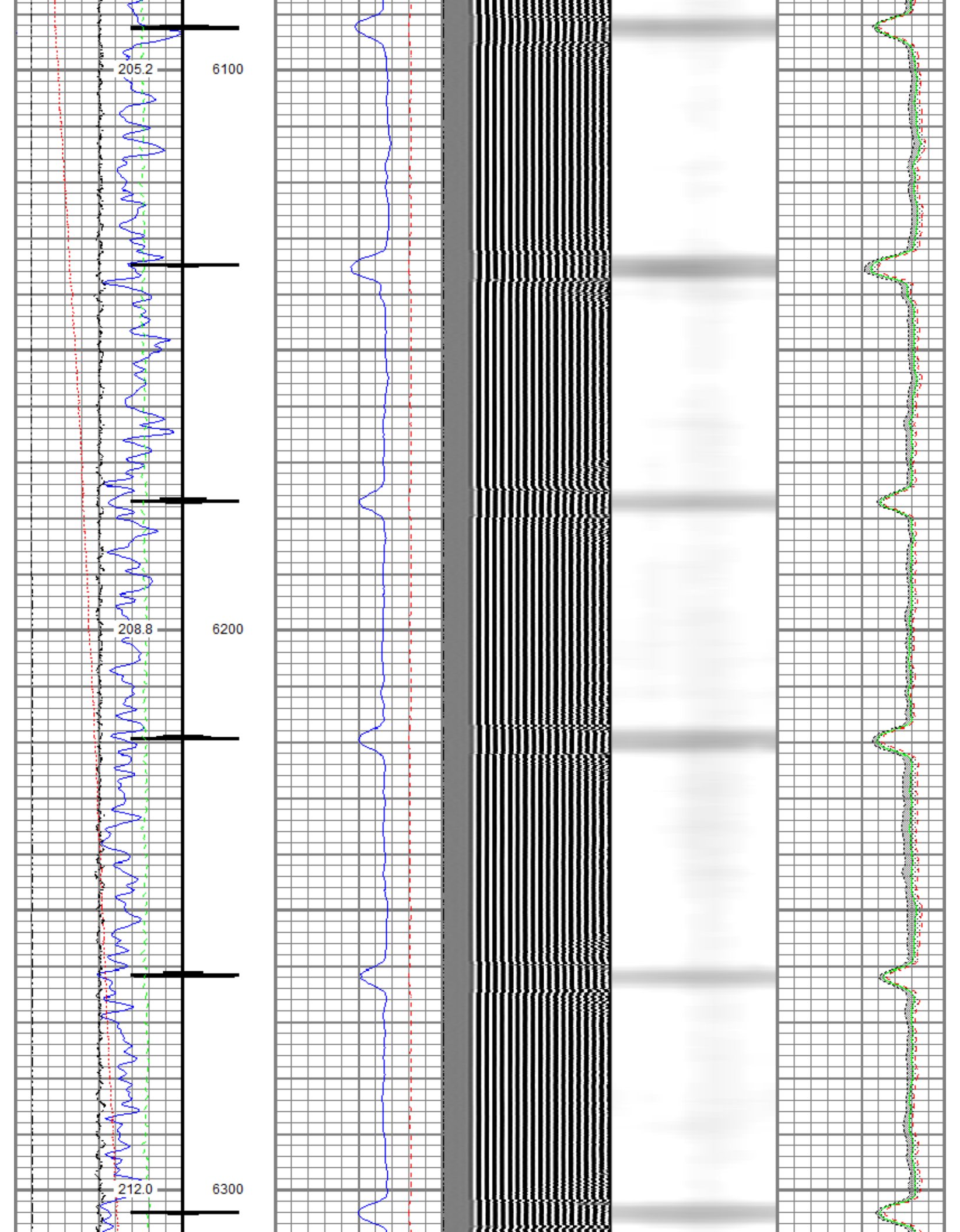


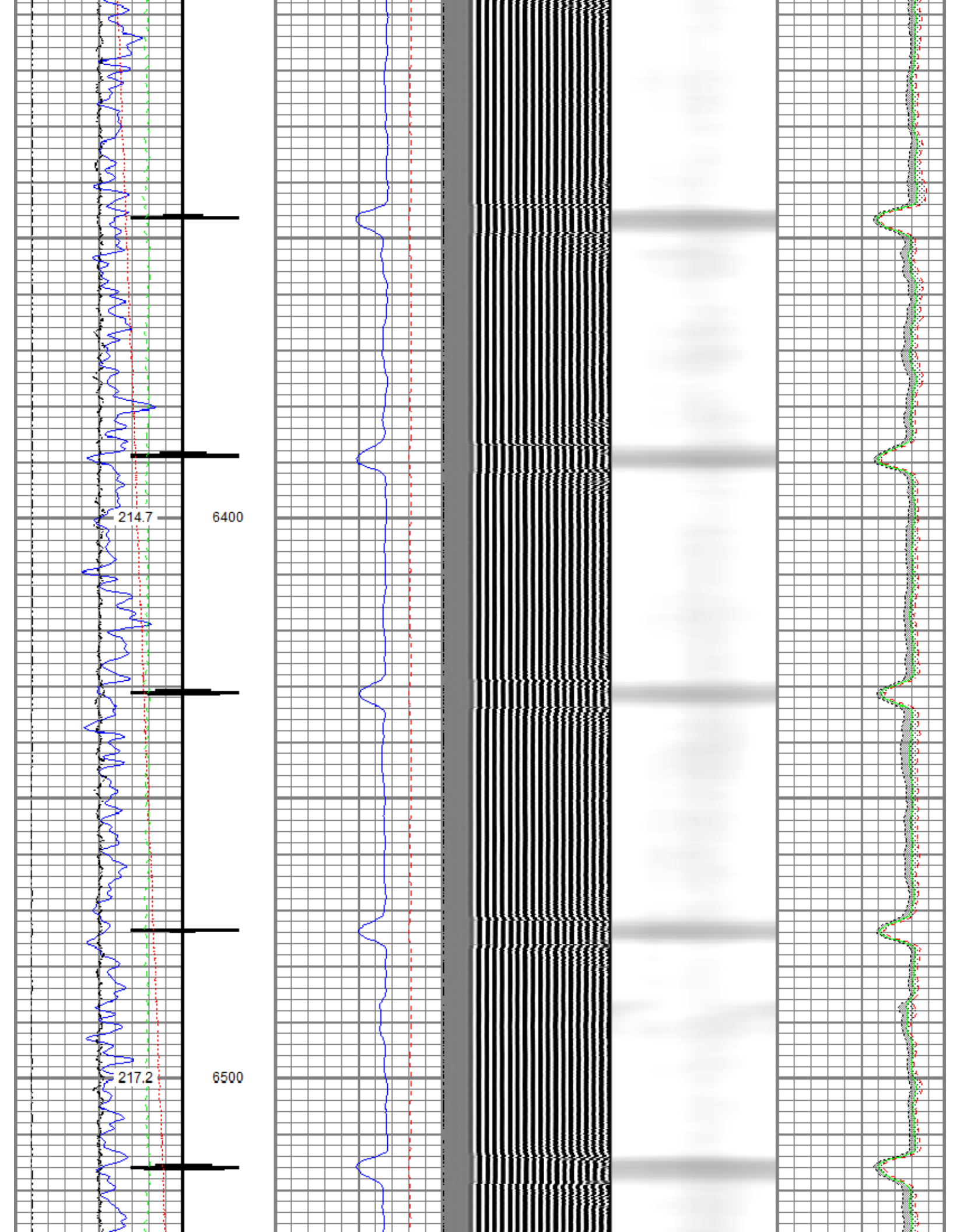


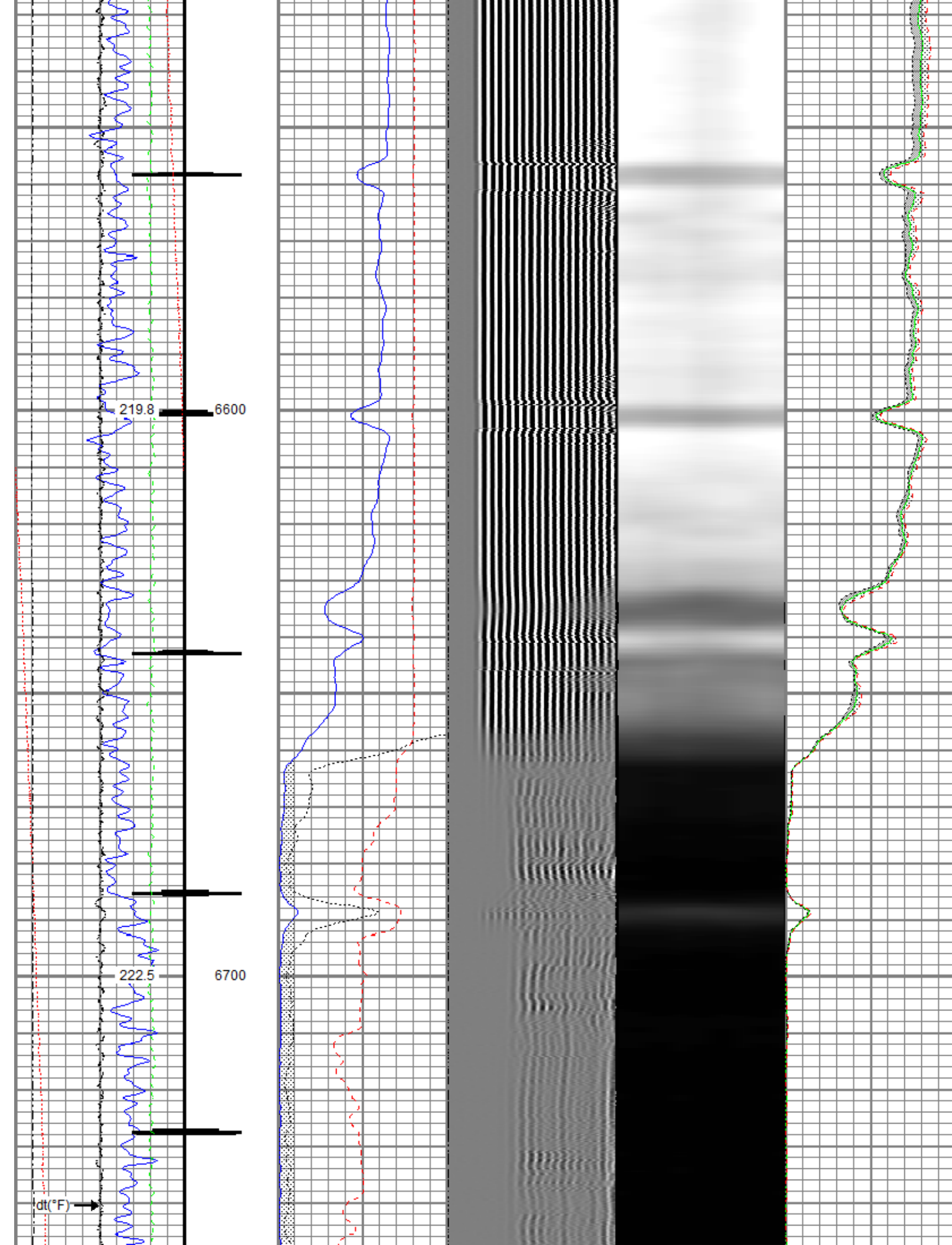


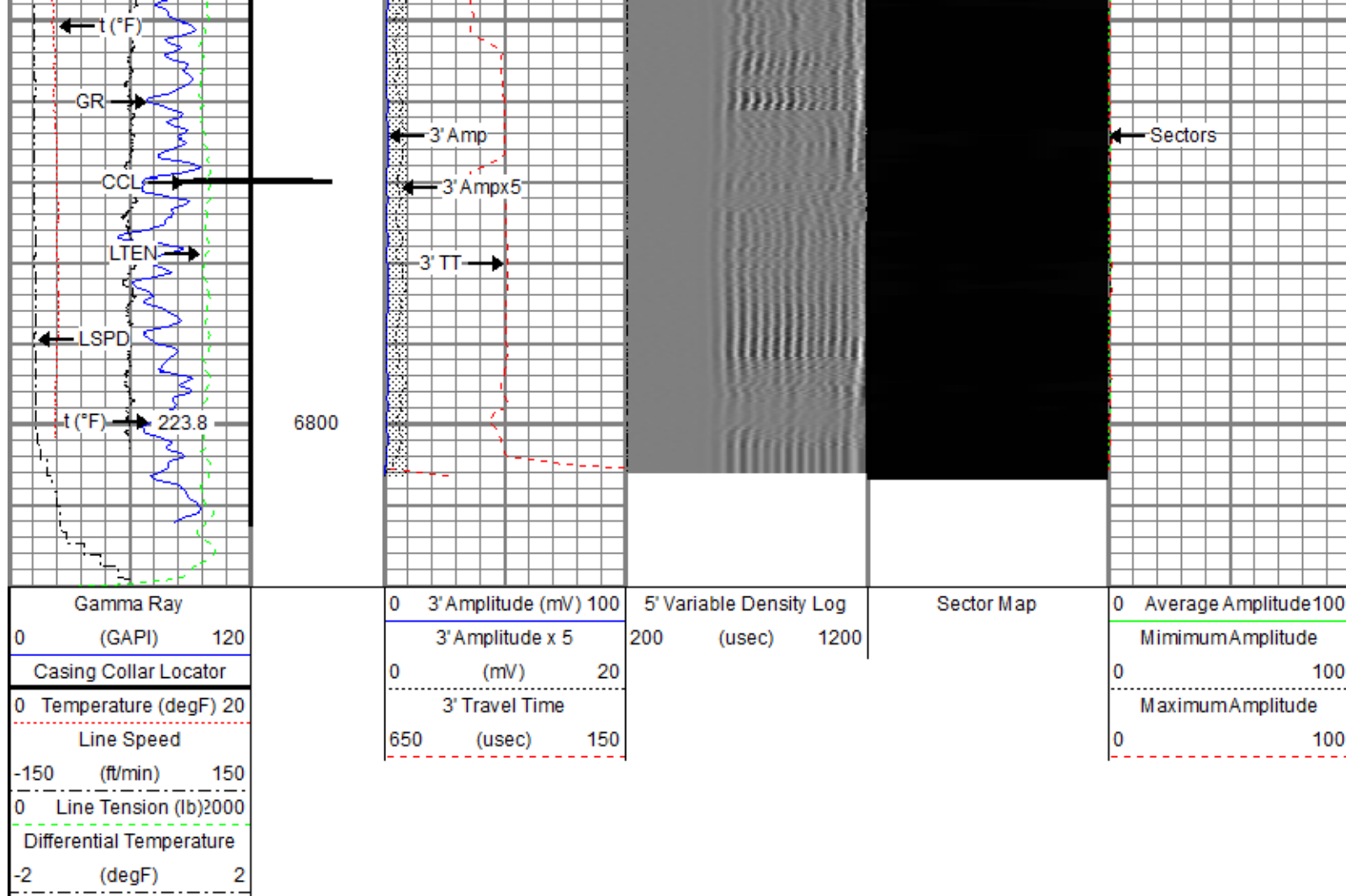








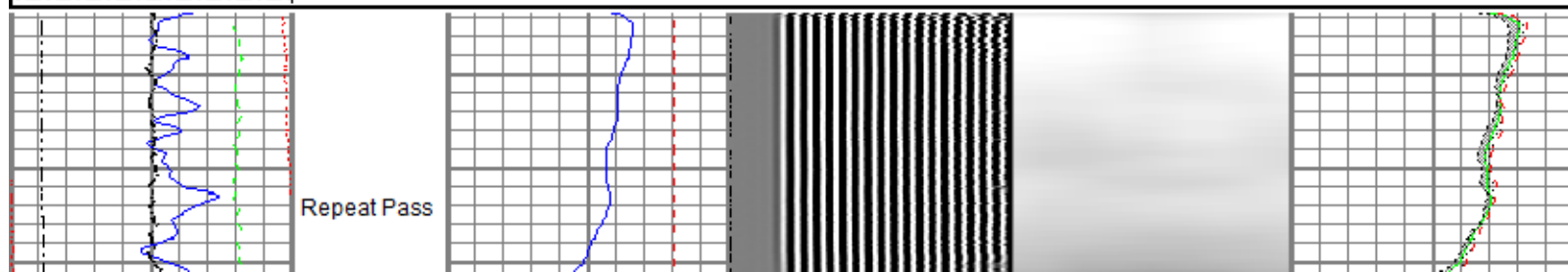
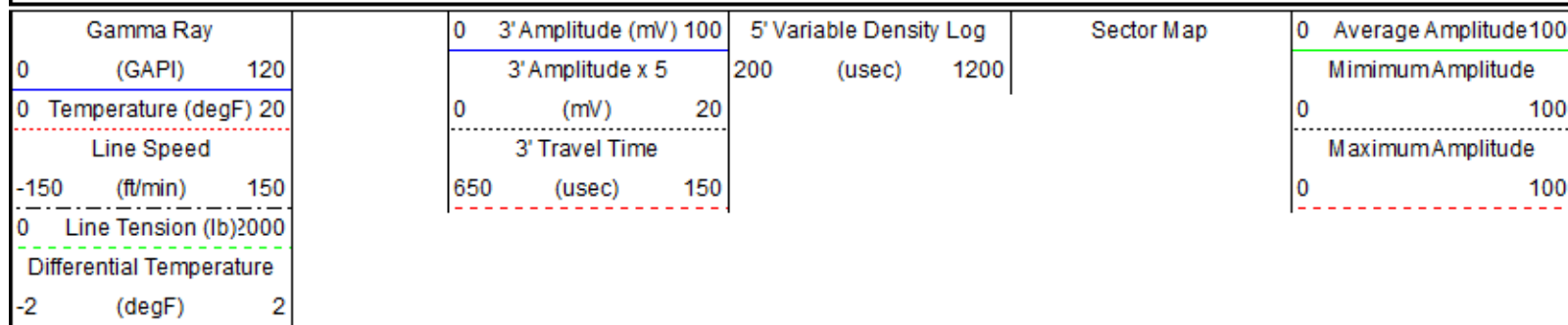


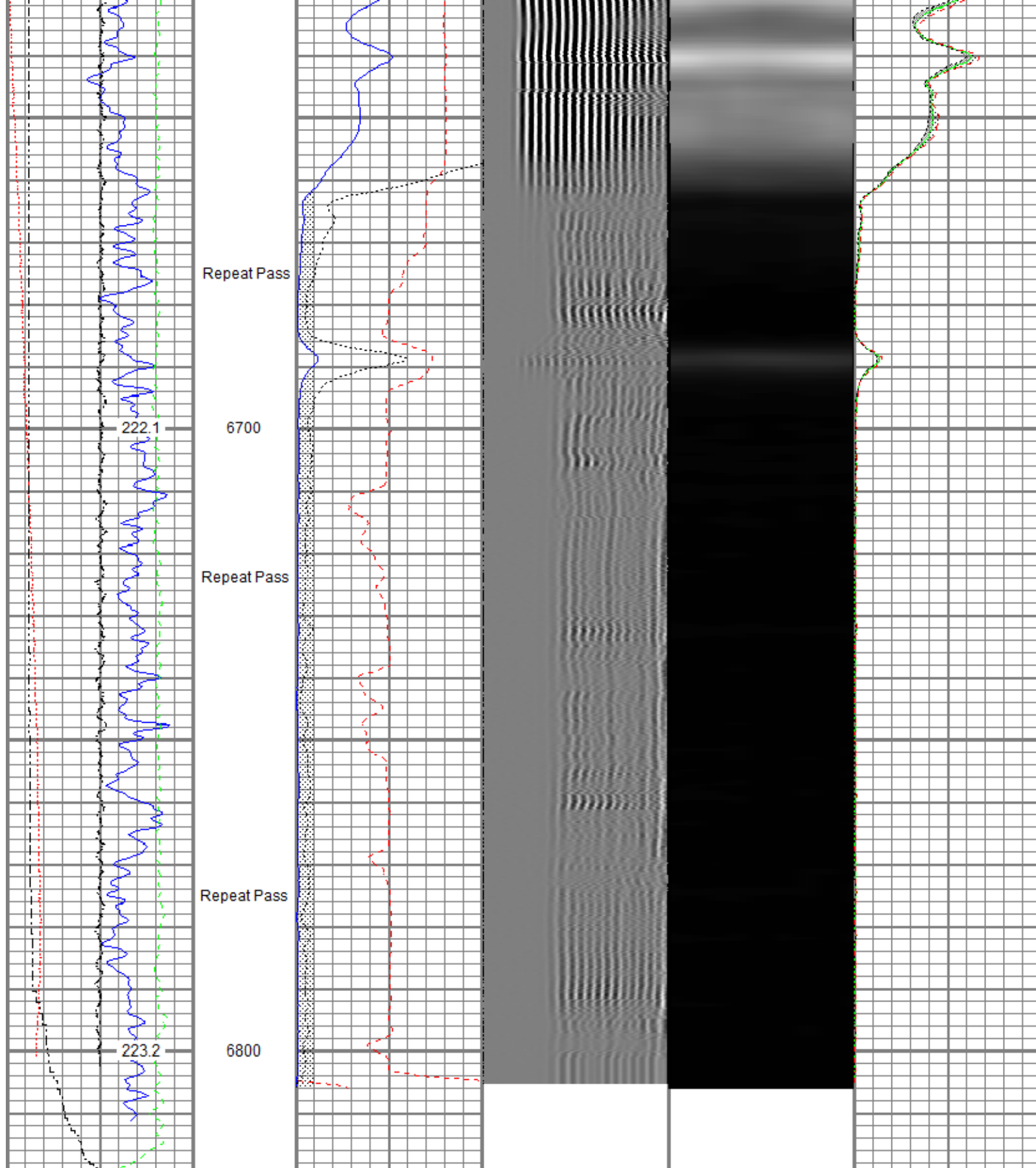


Repeat Pass

Recorded With 0 PSI Surface Induced Pressure

Database File oxy\0512321200_oxy_magness 3-24a_rbl_02-21-20\processed_0512321200_oxy_magness 3-24a_rbl_02-21-20.db
 Dataset Pathname RBL/REPEAT_PASS.2
 Presentation Format ros_radrii
 Dataset Creation Sun Feb 23 17:53:01 2020
 Charted by Depth in Feet scaled 1:240





Gamma Ray	0	3' Amplitude (mV) 100	5' Variable Density Log	Sector Map	0	Average Amplitude 100
(GAPI) 120		3' Amplitude x 5	200 (uSec) 1200			Minimum Amplitude
0 Temperature (degF) 20		(mV) 20			0	100
Line Speed		3' Travel Time				Maximum Amplitude
-150 (ft/min) 150		650 (uSec) 150			0	100
0 Line Tension (lb) 2000						
Differential Temperature						
-2 (degF) 2						

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
ErrCt	23.86		Titan CHD-16875 GO Titan 1-11/16" Assembled Electric Cable Head with 1" Fishing Neck	1.03	1.69	5.40
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
RBT_HV	19.95					
TEMP	17.04					
			Probe Radii ACC-2750 RBTa (FW1302-001) Probe 2-3/4" Radial Cement Bond Tool with Integral Temperature Sub and Accelerometer	9.39	2.75	105.00
RBT_ACCZ	14.81					
RBT_ACCY	14.81					
RBT_ACCX	14.81					
WVFSYNC	14.81					
WVFS8	14.81					
WVFS7	14.81					
WVFS6	14.81					
WVFS5	14.81					
WVFS4	14.81					
WVFS3	14.81					
WVFS2	14.81					
WVFS1	14.81					
WVFCAL	14.81		Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
WVF3FT	14.81					
WVF5FT	13.81					
CCL\$2	6.80					
CCL\$1	6.80					
GR	5.46		Probe GR-CCL-2750 6PB (FW1810-044) Probe 2-3/4" rev.1 Digital Scintillation Gamma Ray/CCL Combined with 6 Pin Bottom for CNT	4.80	2.75	55.00
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
LOCTIM	0.00					
UTCTIM	0.00					

Dataset: processed_0512321200_oxy_magness 3-24a_rbl_02-21-20.db: field/well/RBL/MAIN_PASS.7

Total length: 23.86 ft

Total weight: 225.40 lb
O.D.: 2.75 in

Calibration Report

Database File c:\programdata\warrior\data\oxy\0512321200_oxy_magness 3-24a_rbl_02-21-20\processed_0512321200_oxy_magness 3-24a
Dataset Pathname RBL/MAIN_PASS.7
Dataset Creation Sun Feb 23 17:41:30 2020

Gamma Ray Calibration Report

Serial Number: FW1810-044
Tool Model: 2750 6PB
Performed: Tue Dec 03 09:24:53 2019

Calibrator Value: 637.0 GAPI

Background Reading: 105.3 cps
Calibrator Reading: 1221.0 cps

Sensitivity: 0.5709 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: FW1302-001
Tool Model: 2750 RBTa

Calibration Casing Diameter: 4.500 in
Calibration Depth: 1039.968 ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.008	0.746	0.800	81.196	108.993	-0.077
CAL	0.743	0.749				
5'	0.008	0.569	0.800	81.196	143.449	-0.394
SUM						
S1	0.008	0.711	0.000	100.000	142.157	-1.126
S2	0.007	0.699	0.000	100.000	144.620	-1.045
S3	0.008	0.712	0.000	100.000	142.076	-1.126
S4	0.007	0.722	0.000	100.000	139.980	-0.997
S5	0.009	0.764	0.000	100.000	132.399	-1.154
S6	0.009	0.787	0.000	100.000	128.467	-1.136
S7	0.007	0.761	0.000	100.000	132.574	-0.915
S8	0.008	0.732	0.000	100.000	138.064	-1.087

Air Zero Calibration, performed Fri Feb 21 09:17:04 2020:


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

Inclinometer Calibration Report

Performed: Tue Dec 03 09:24:53 2019

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	-900.00	892.00	-1.00	1.00	gee
Y Accelerometer	-922.00	893.00	-1.00	1.00	gee
Z Accelerometer	7.38	894.40	0.00	1.00	gee

Temperature Calibration Report					
Serial Number:	FW1302-001				
Tool Model:	2750 RBTa				
Performed:	Tue Dec 03 09:24:53 2019				
	Reference		Reading		
Low Reference:	100.00	degF	107.47	degF	
High Reference:	350.00	degF	404.08	degF	
Gain:	0.84				
Offset:	9.42				
Delta Spacing	1				

	Company	Kerr-McGee Oil & Gas Onshore, L.P.
	Well	Magness 3-24A
	Field	Wattenberg
	County	Weld
	State	Colorado