

[<<< 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.

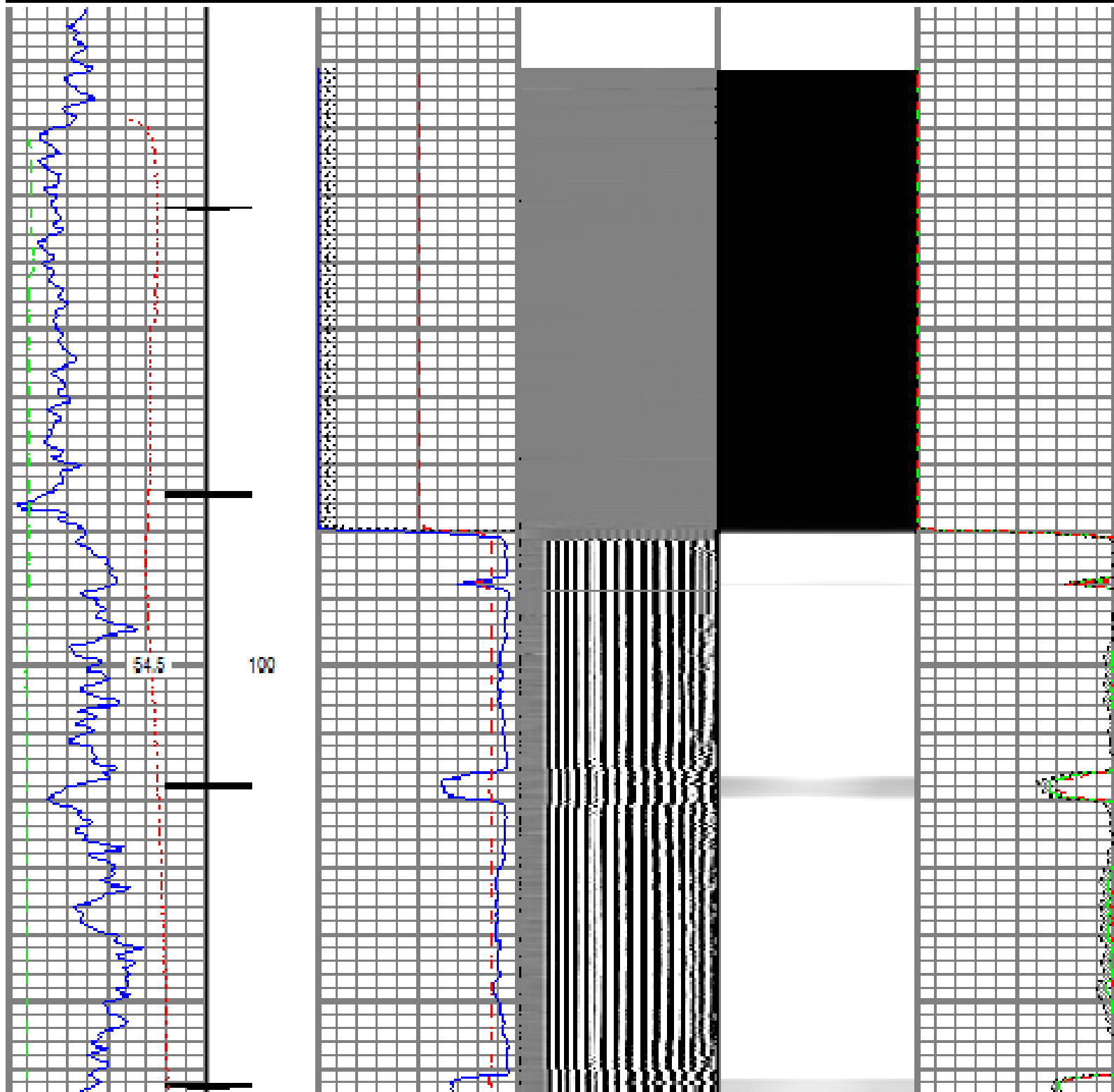
Log ran as per customer request
Depth referenced to Kelly Bushing at 24 FT.
Log ran from 10024 FT to Surface.
Recorded with 0 PSI Surface Induced Pressure.
Logging tools were clean and free of any debris upon completion of operations.
Marker Joint from 8020' - 8042'

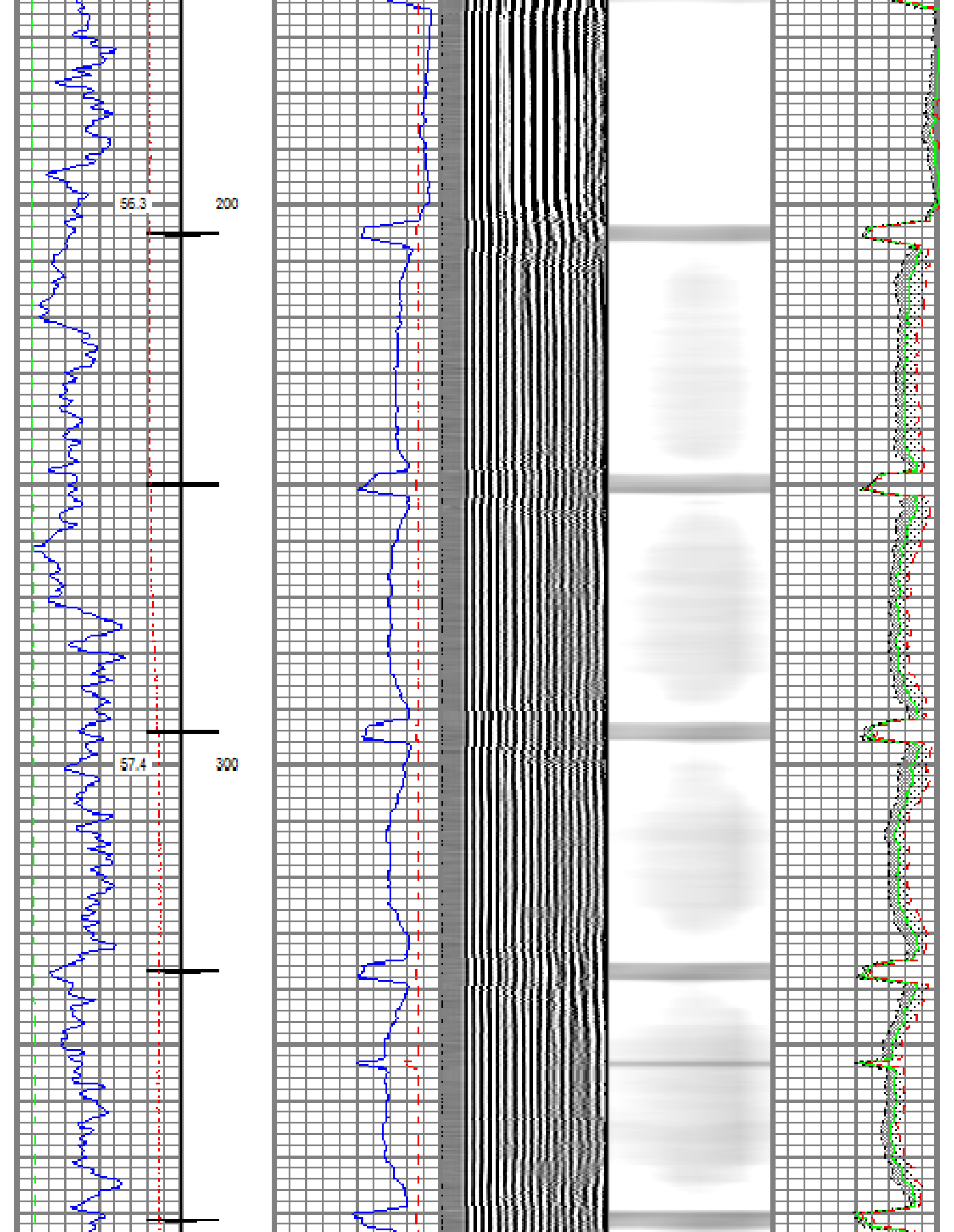
Thank you for choosing Reliance Oilfield Services, LLC!!

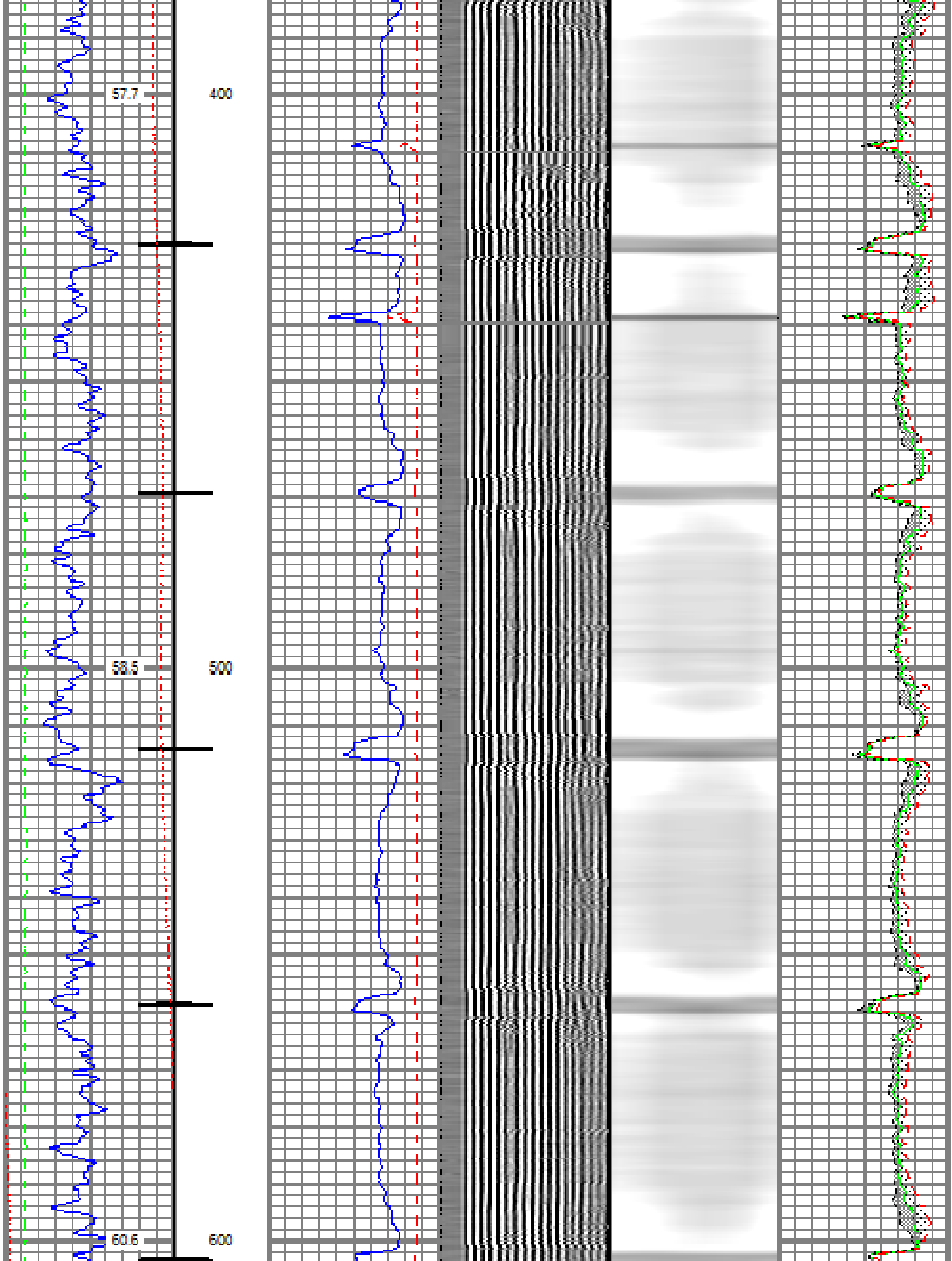


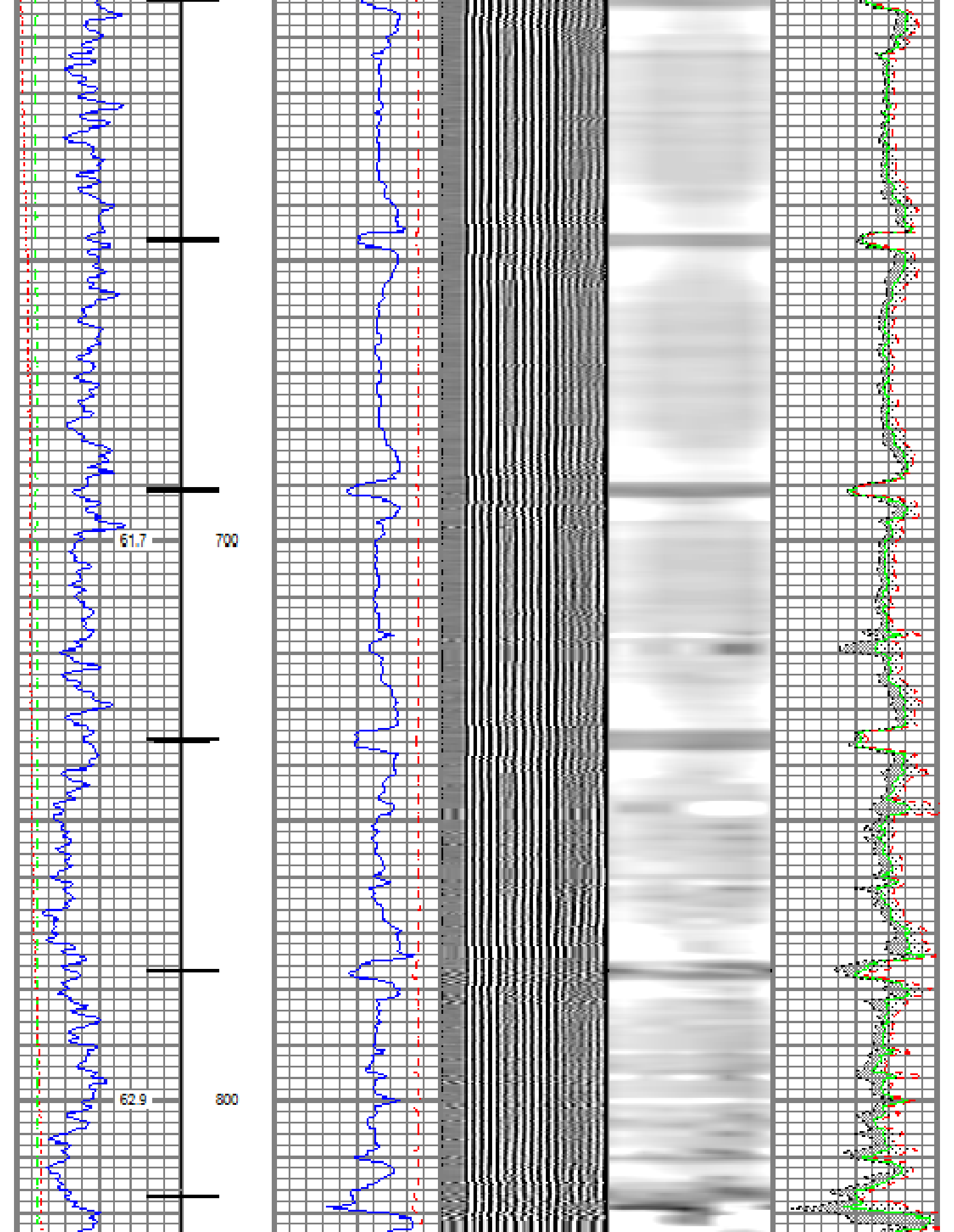
Database File terra_youberg_ru 324-7.db
Dataset Pathname Main
Presentation Format ros_rb0004_sx
Dataset Creation Mon Feb 06 19:10:09 2017
Charted by Depth in Feet scaled 1:240

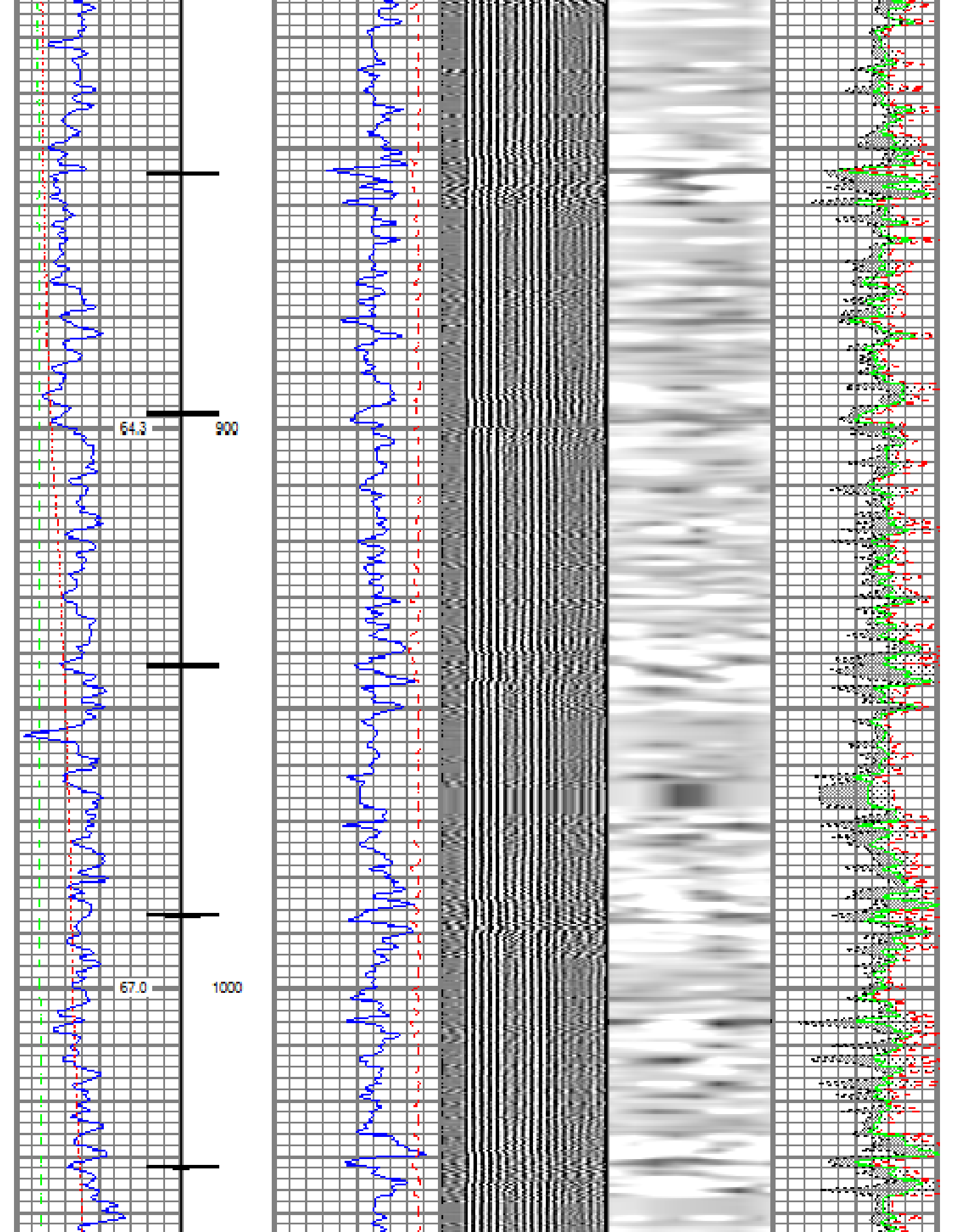
Gamma Ray	0	3' Amplitude (mV)	100	5' Variable Density Log	Sector Map	0	Average Amplitude	100
(GAPI)	120	3' Amplitude x 5	200	1200			Minimum Amplitude	
Casing Collar Locator	0	(mV)	20			0	100	
Line Tension (lb)	1500	3' Travel Time					Maximum Amplitude	
Temperature	0	650 (usec)	150			0	100	
(degF)	20							

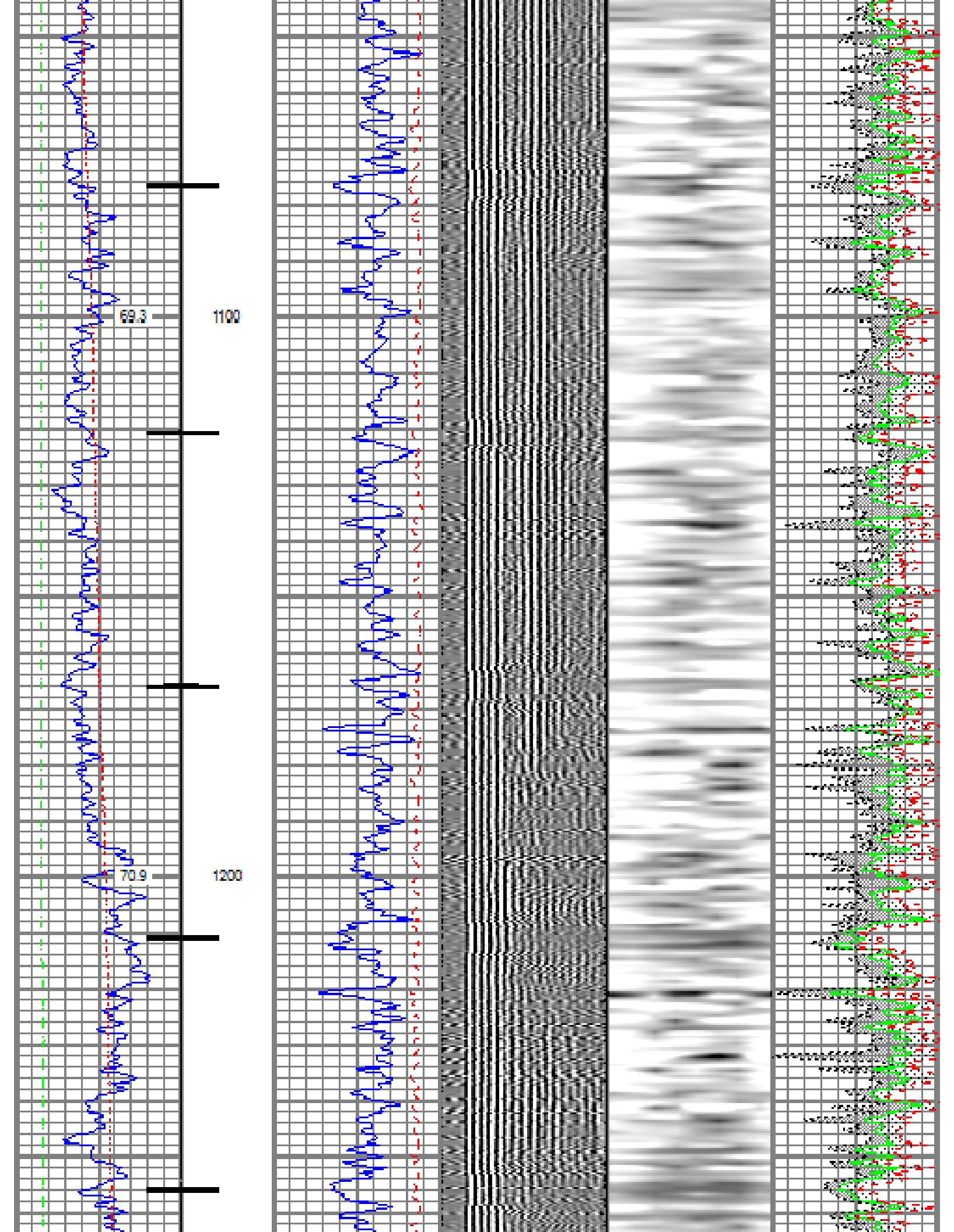


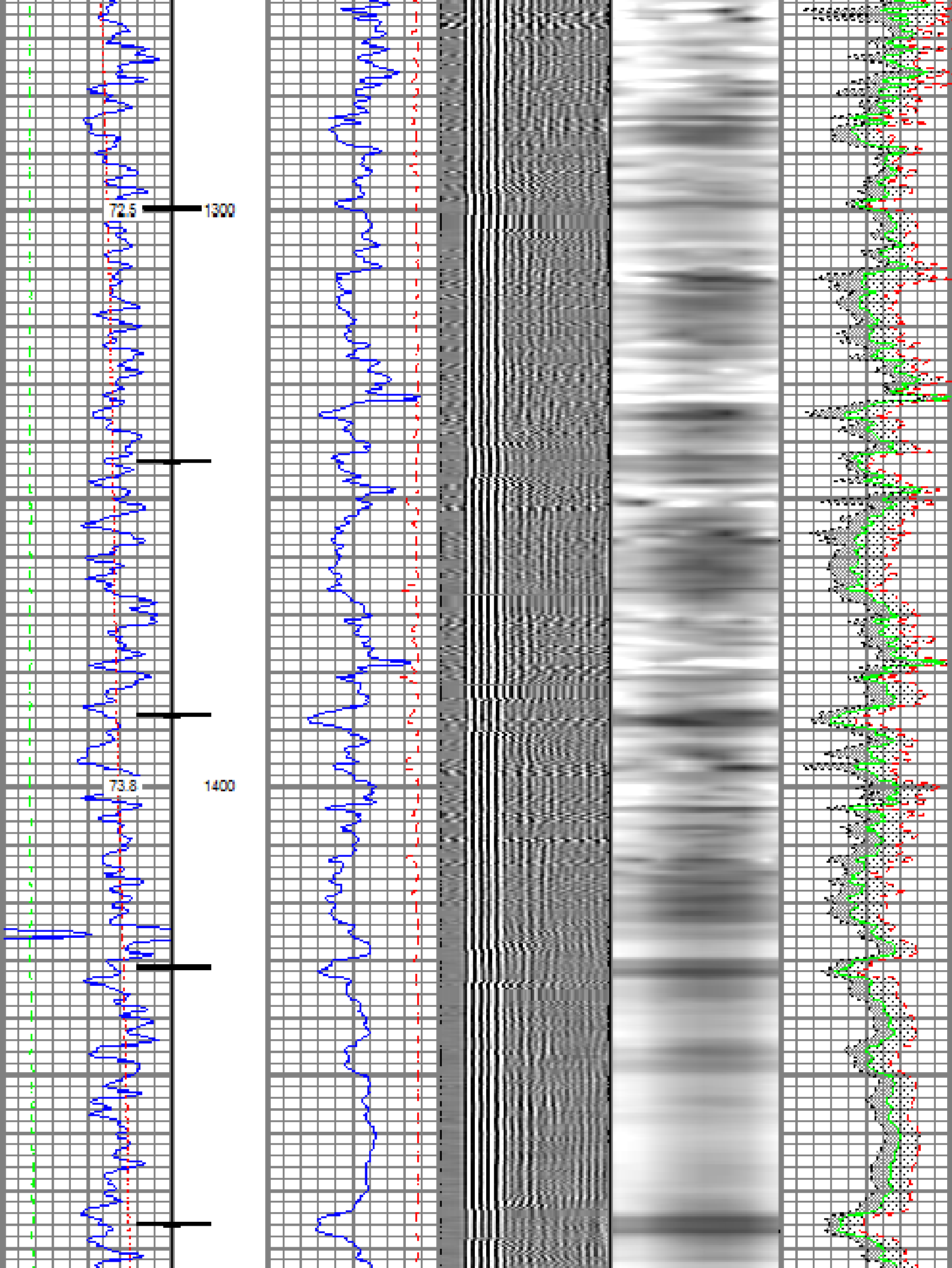


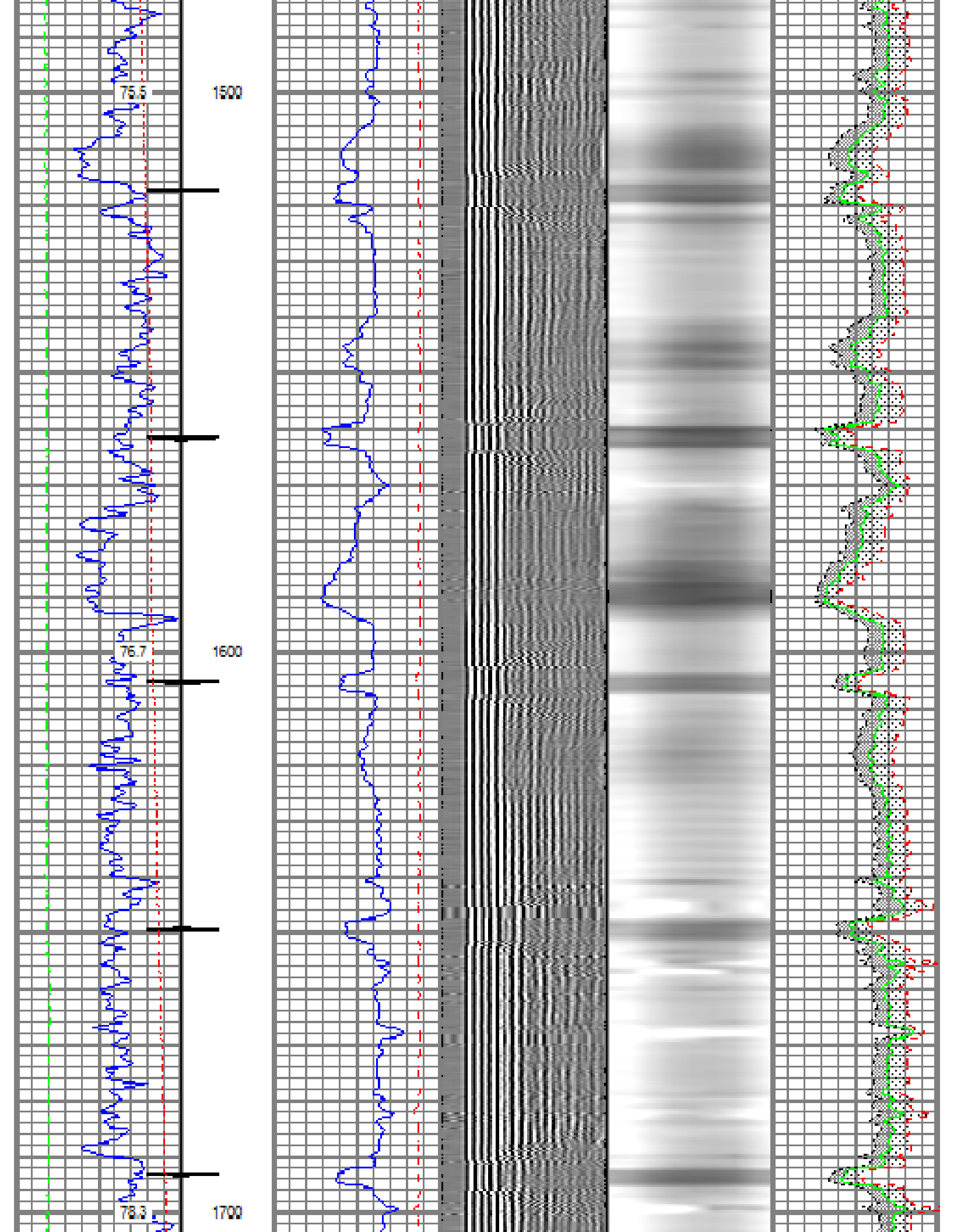


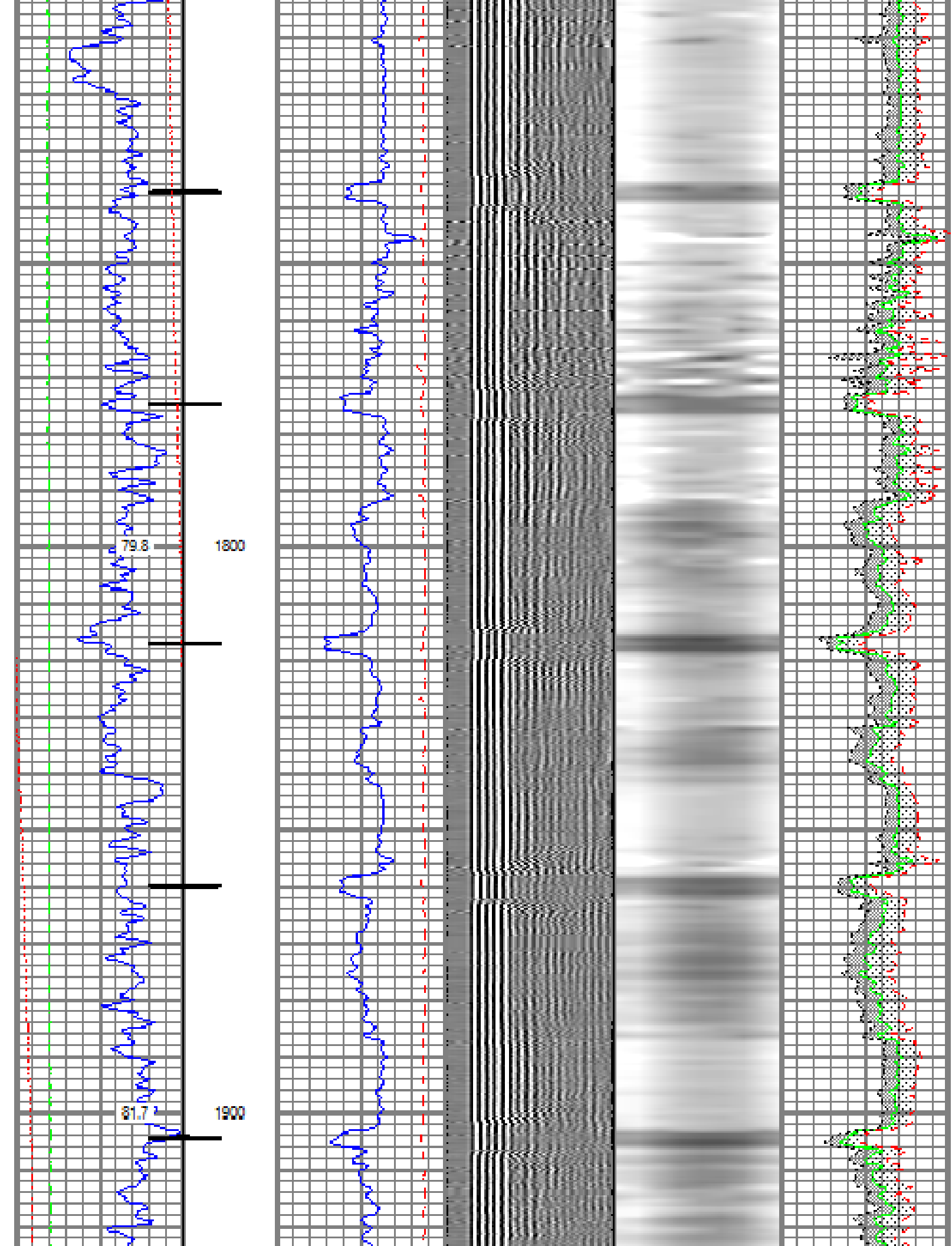


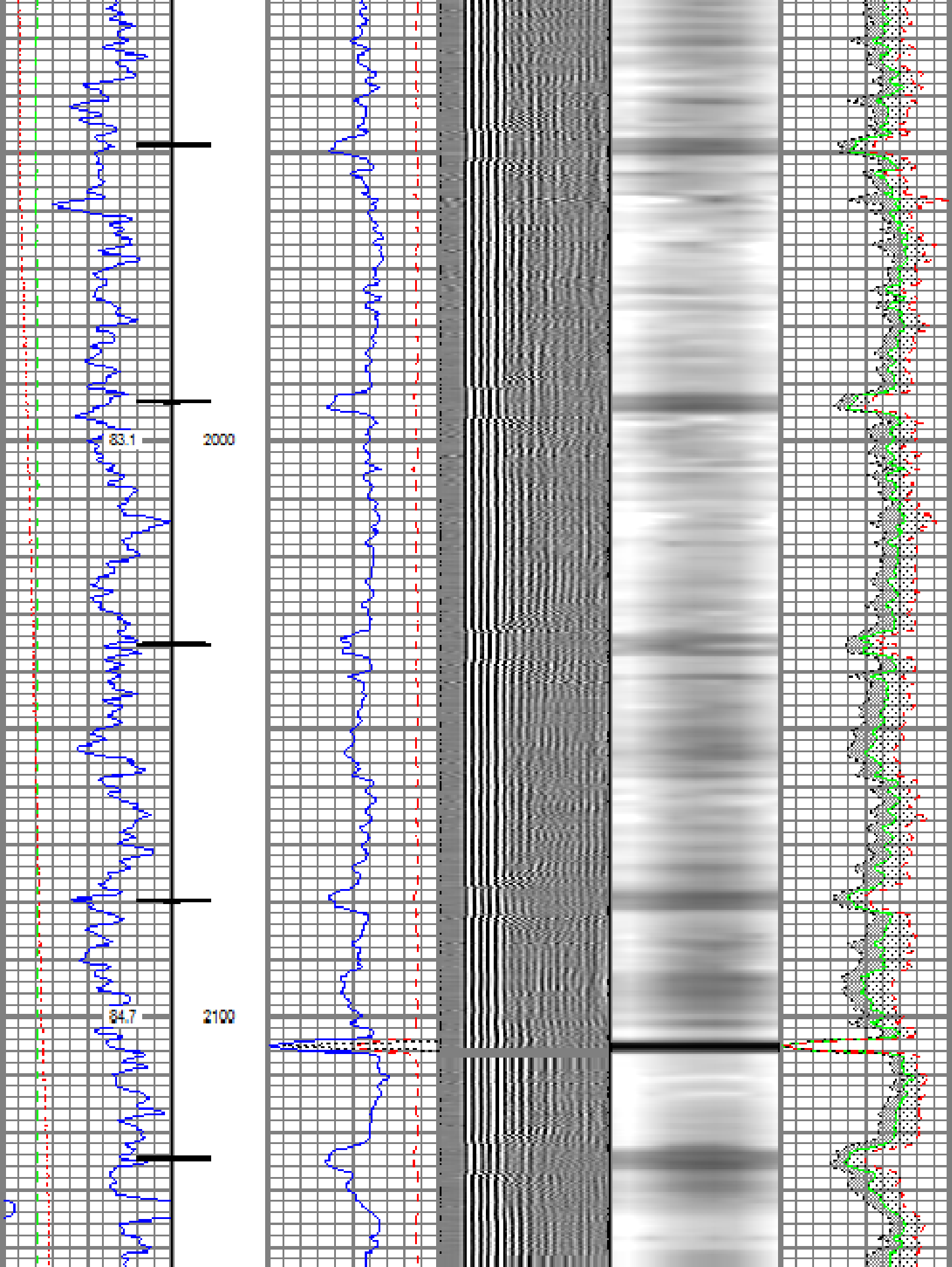


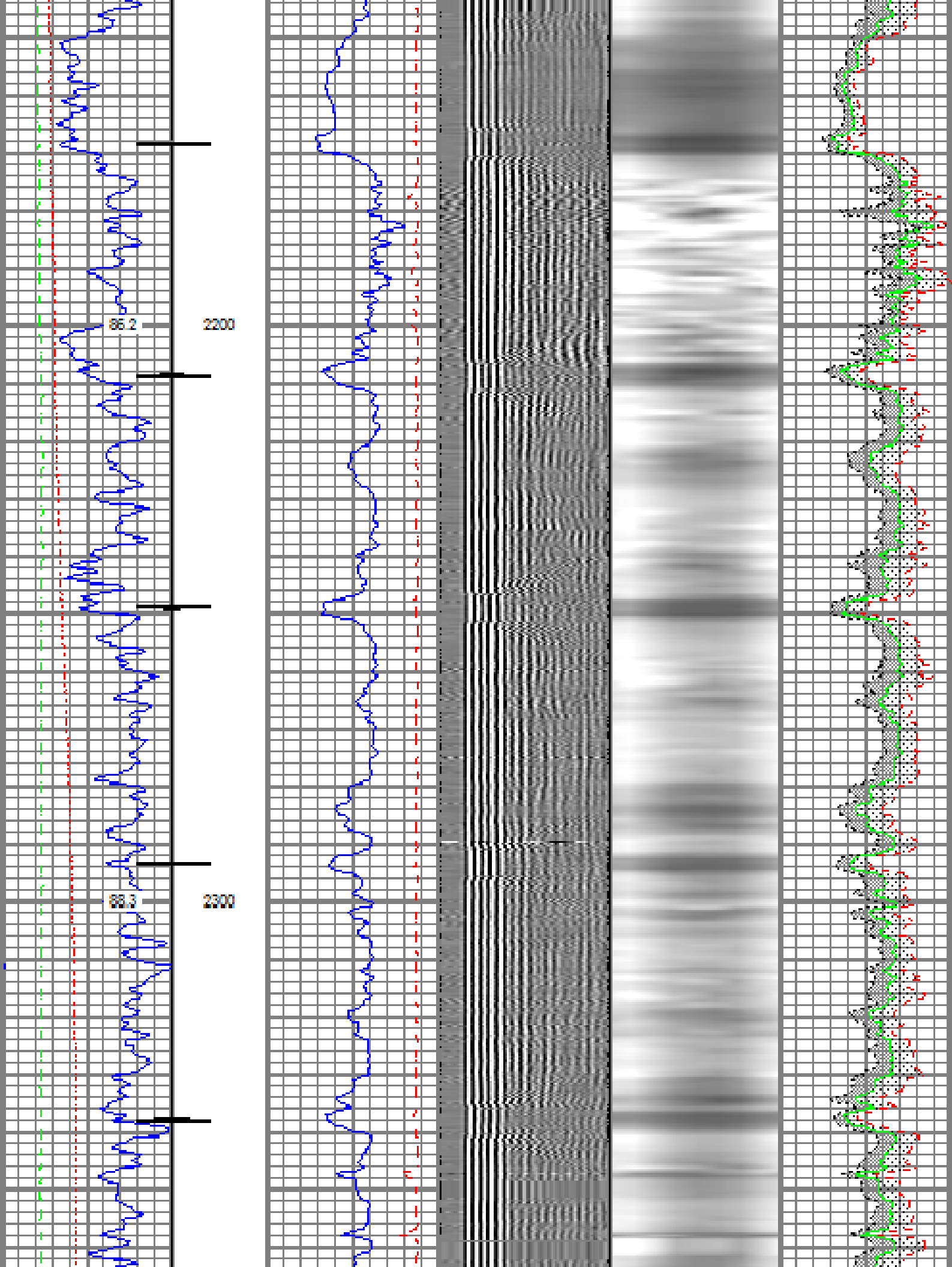


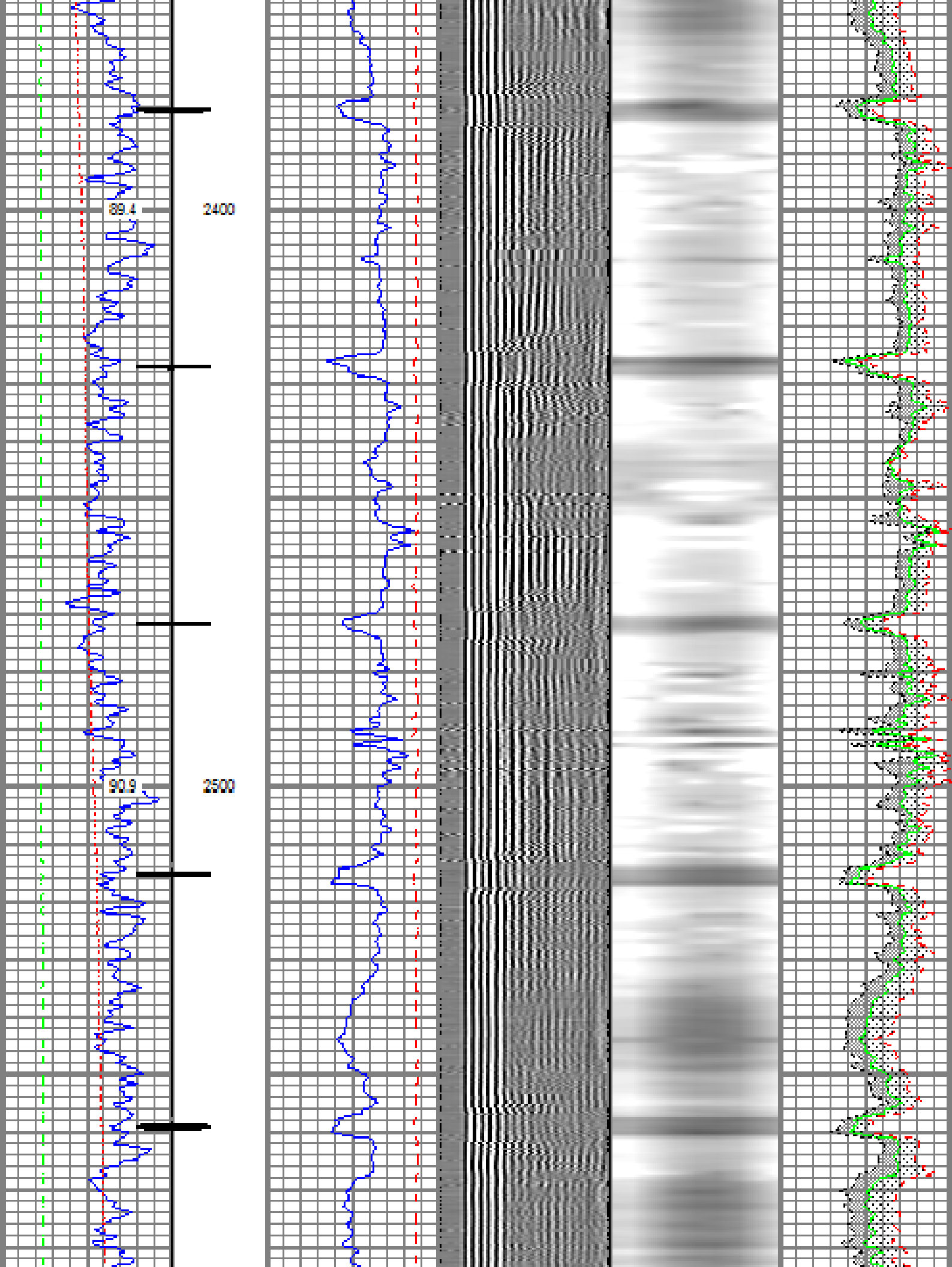


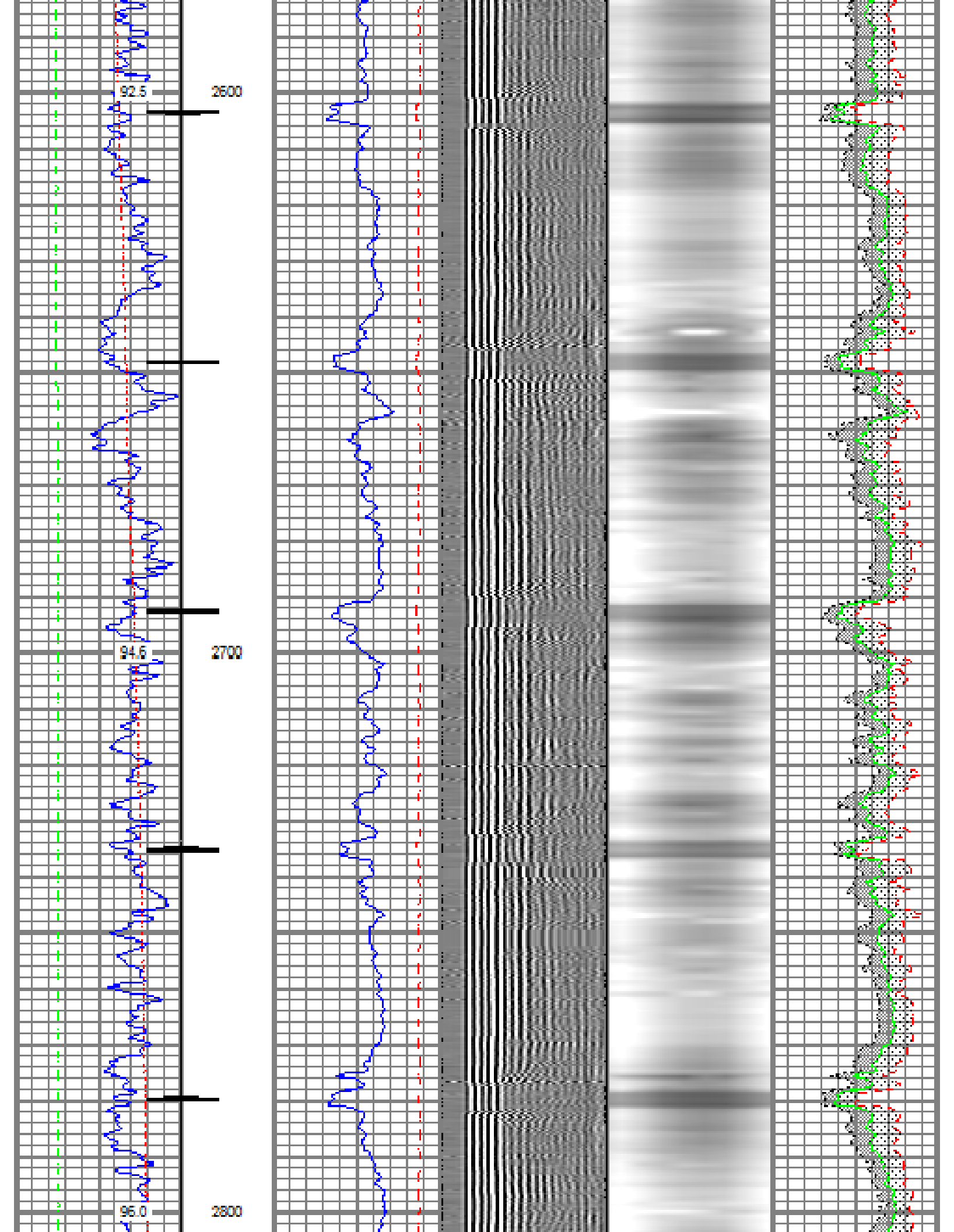


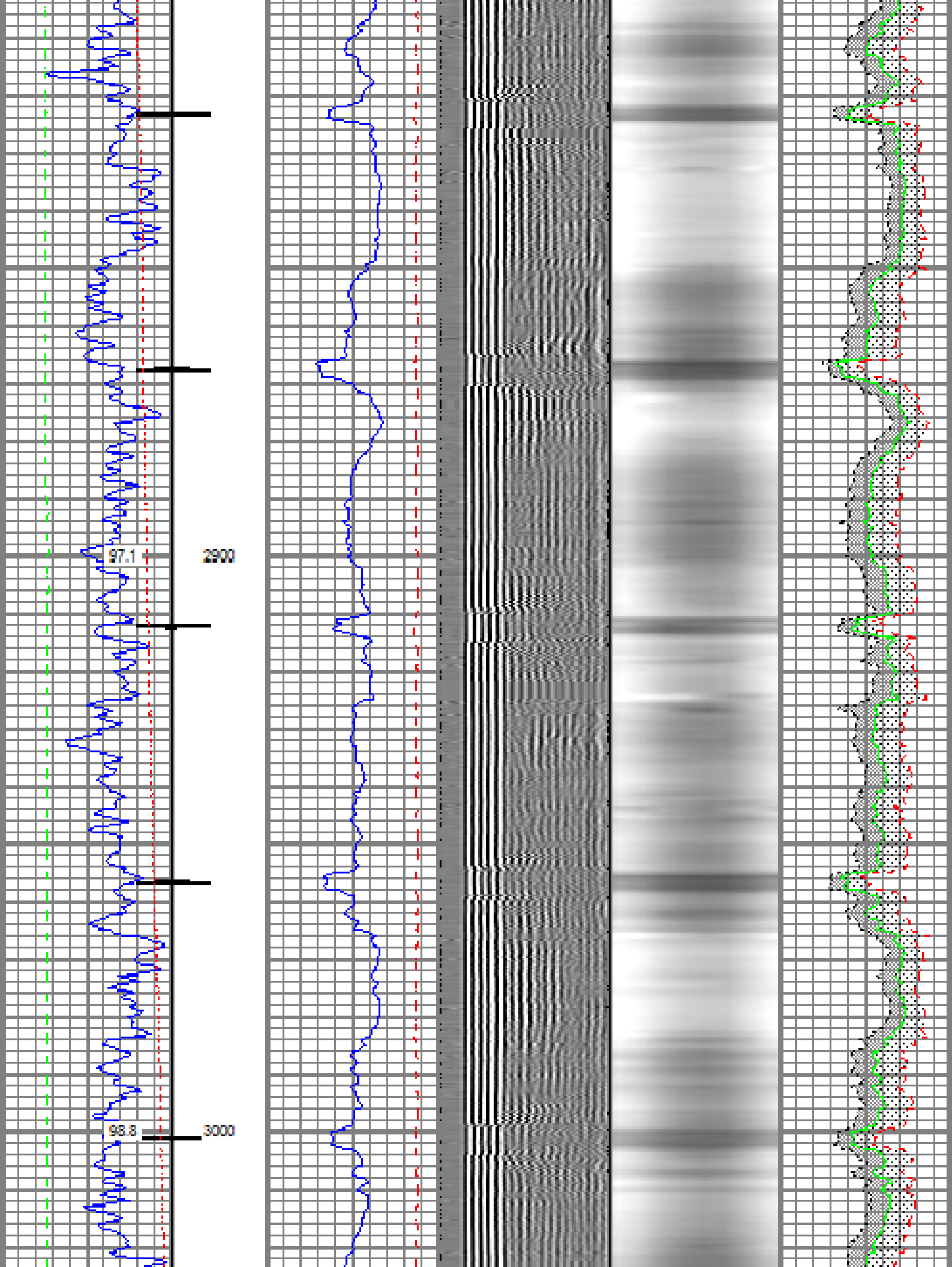


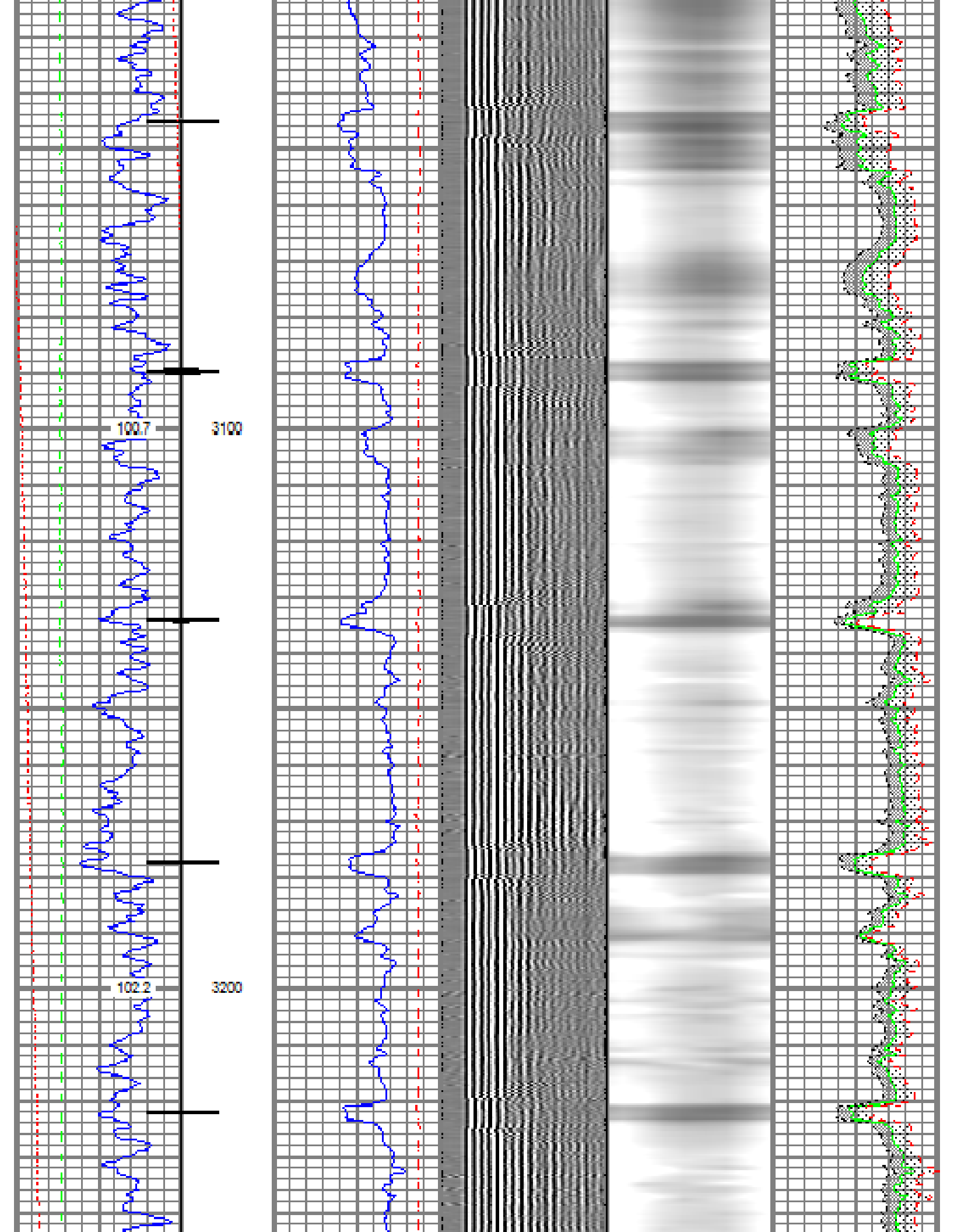


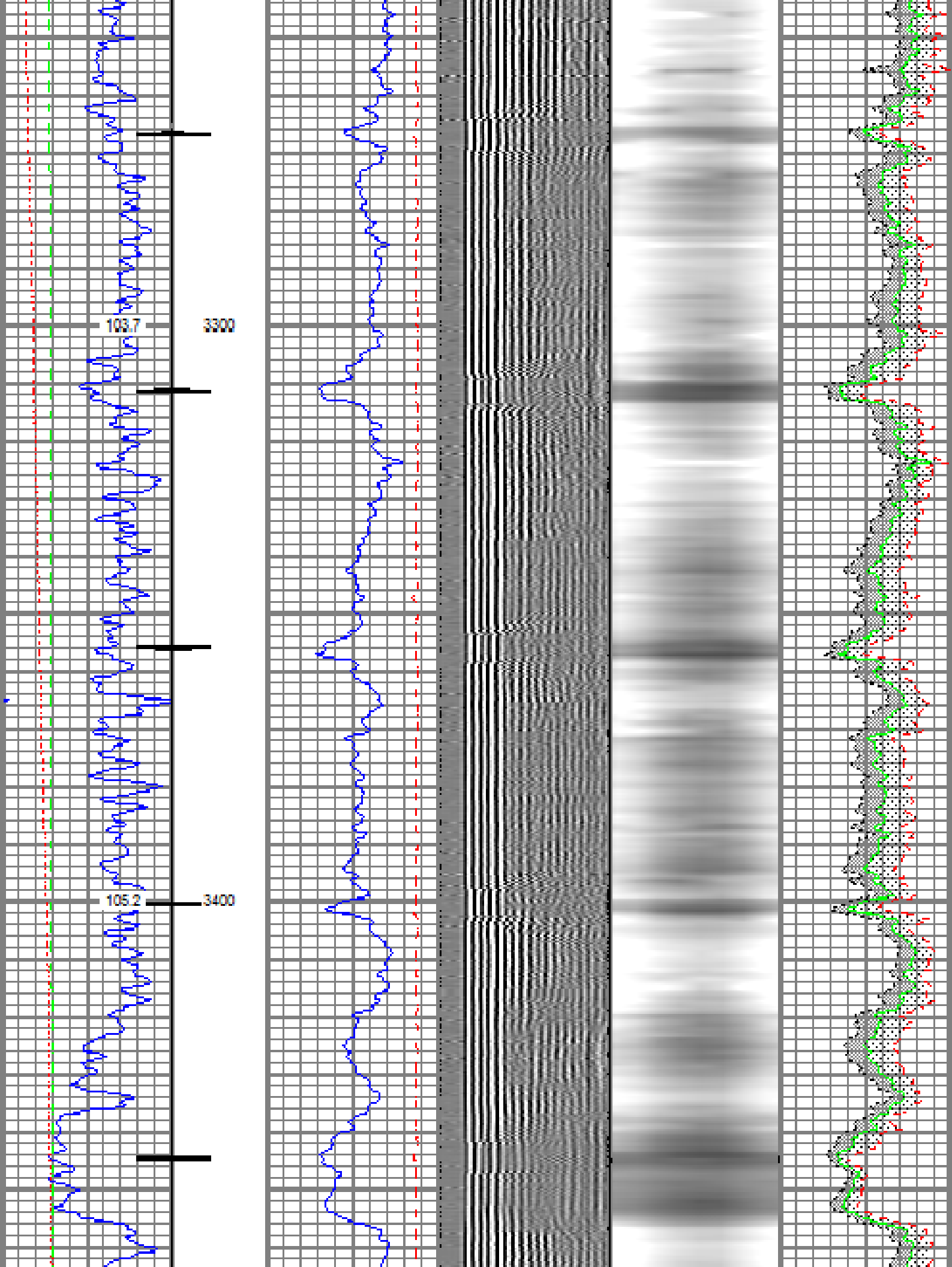


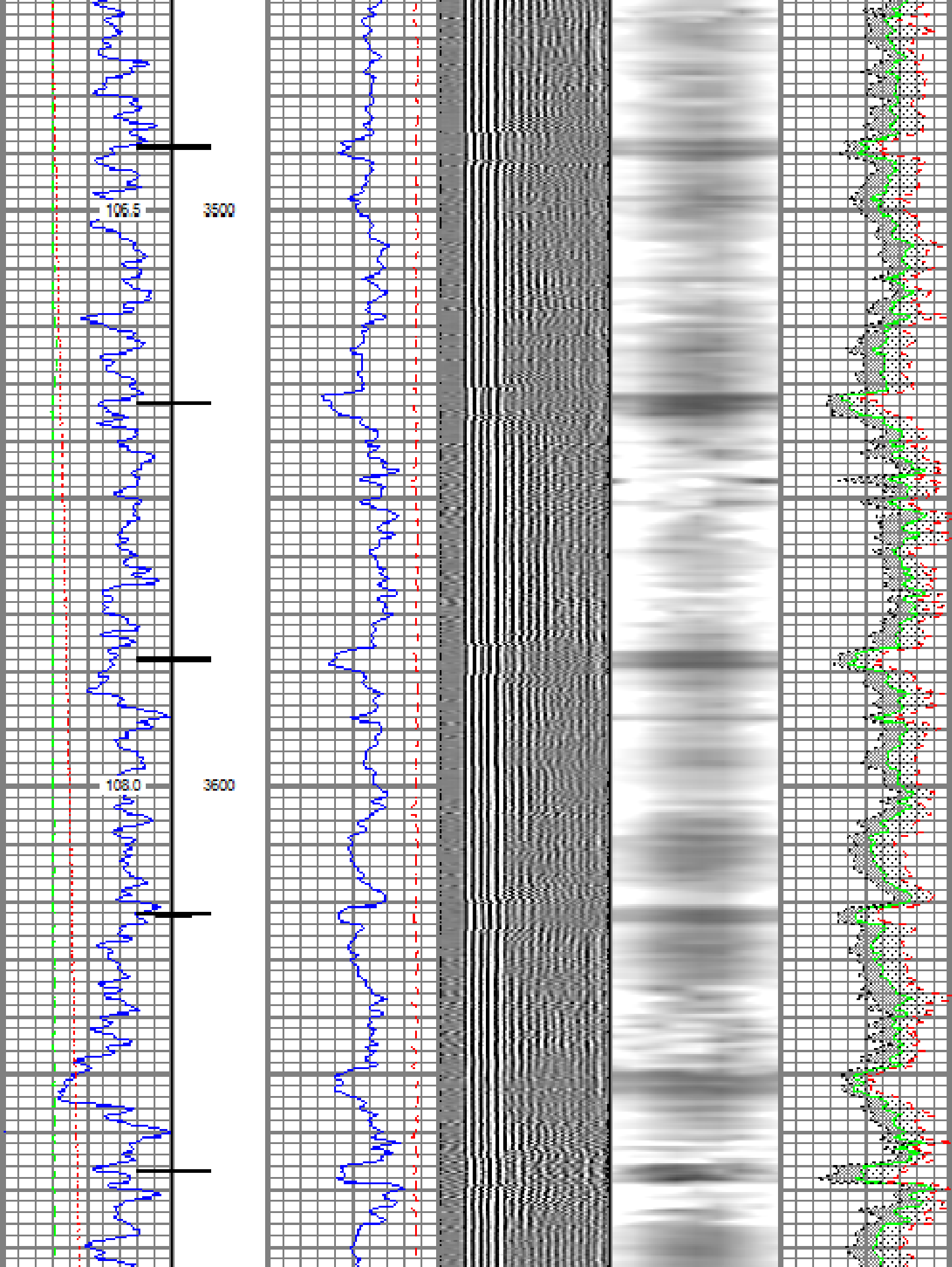


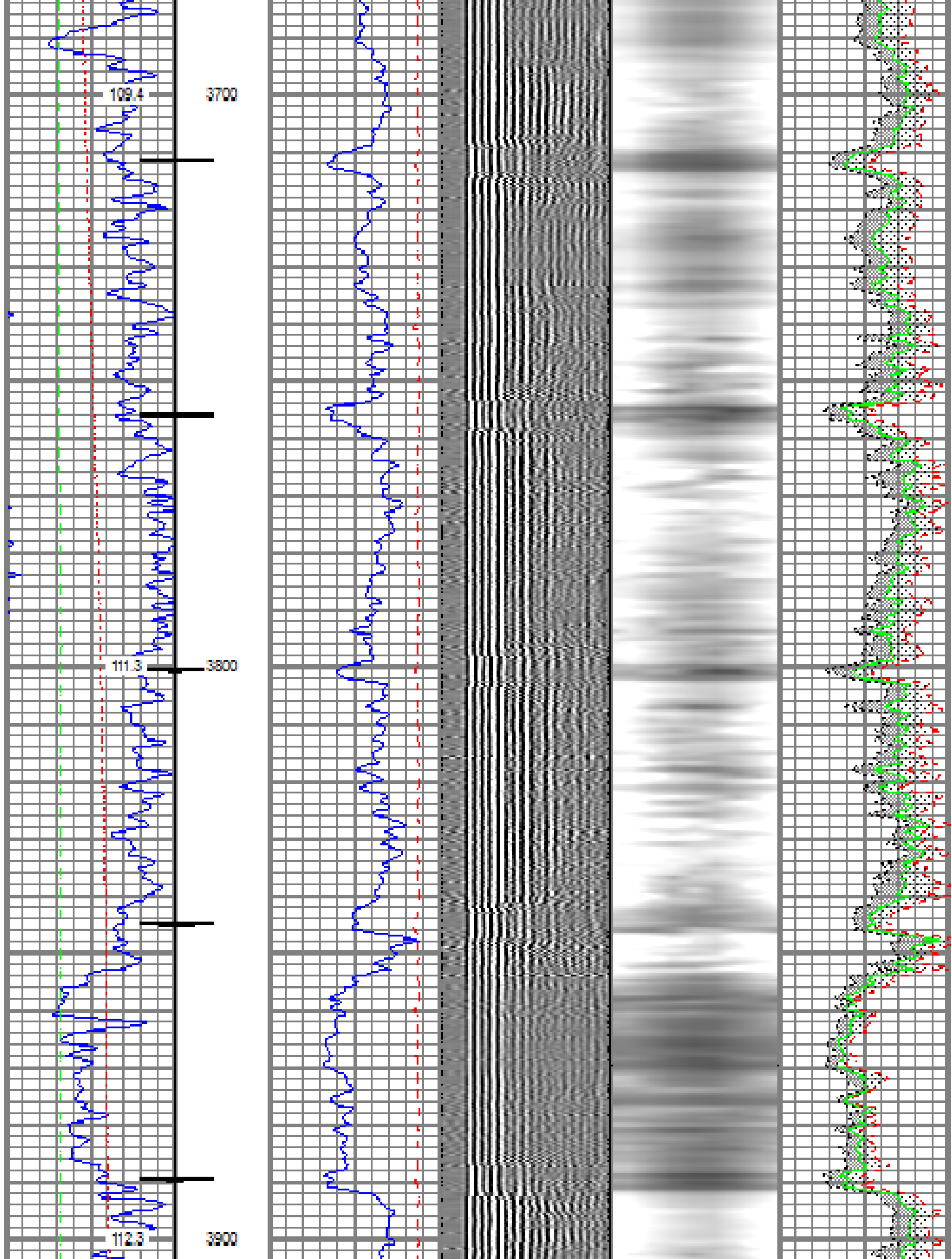


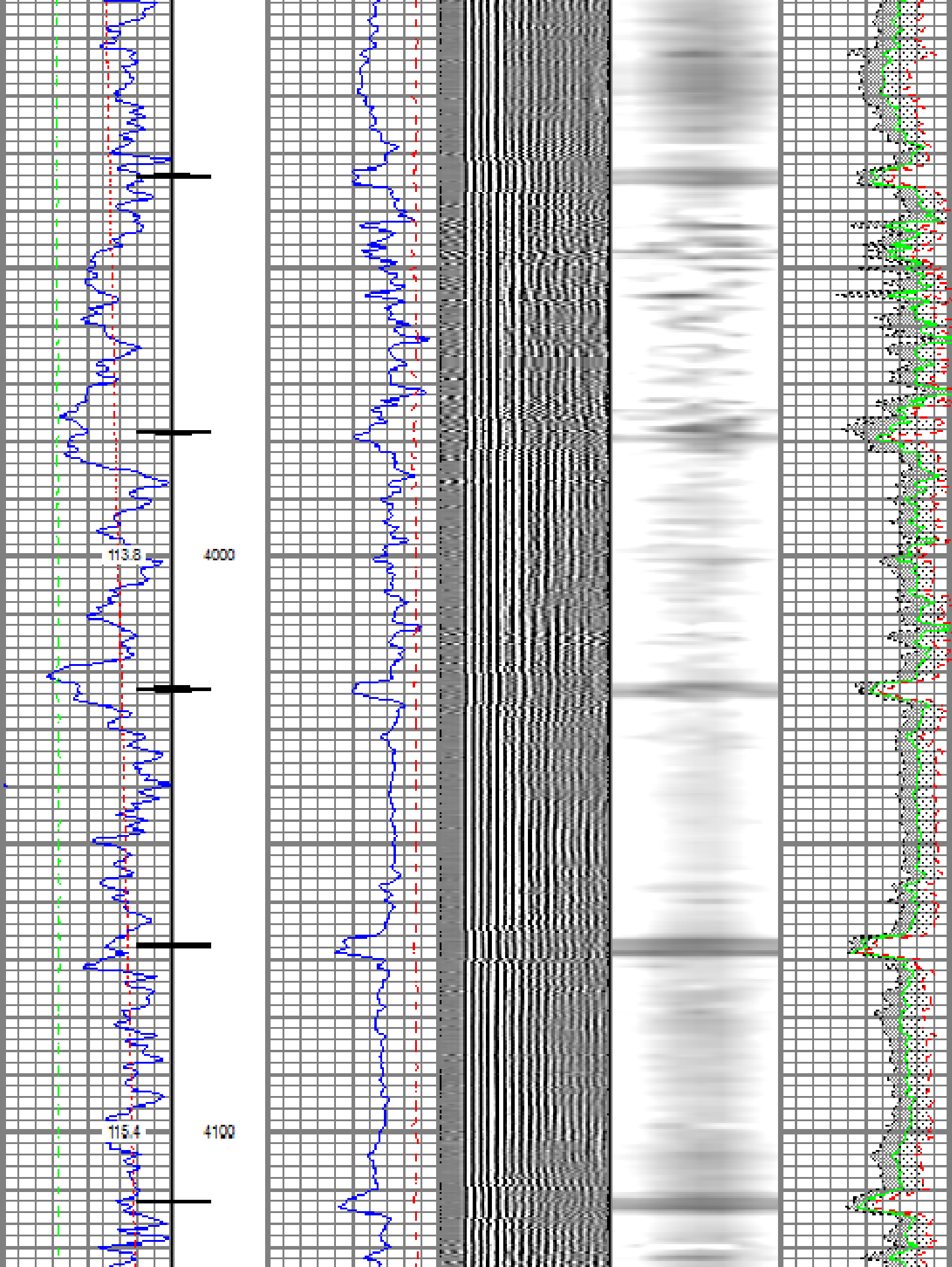


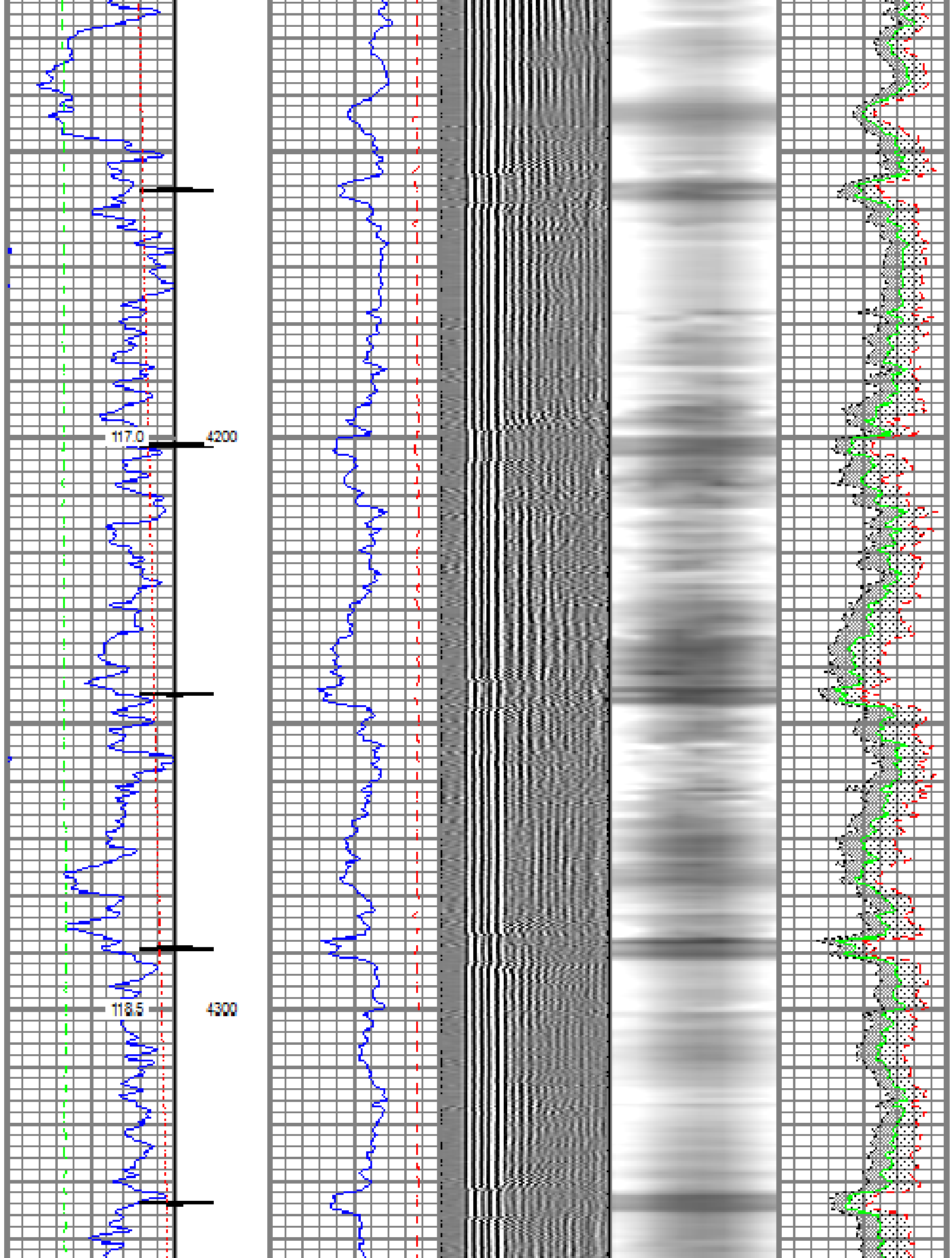


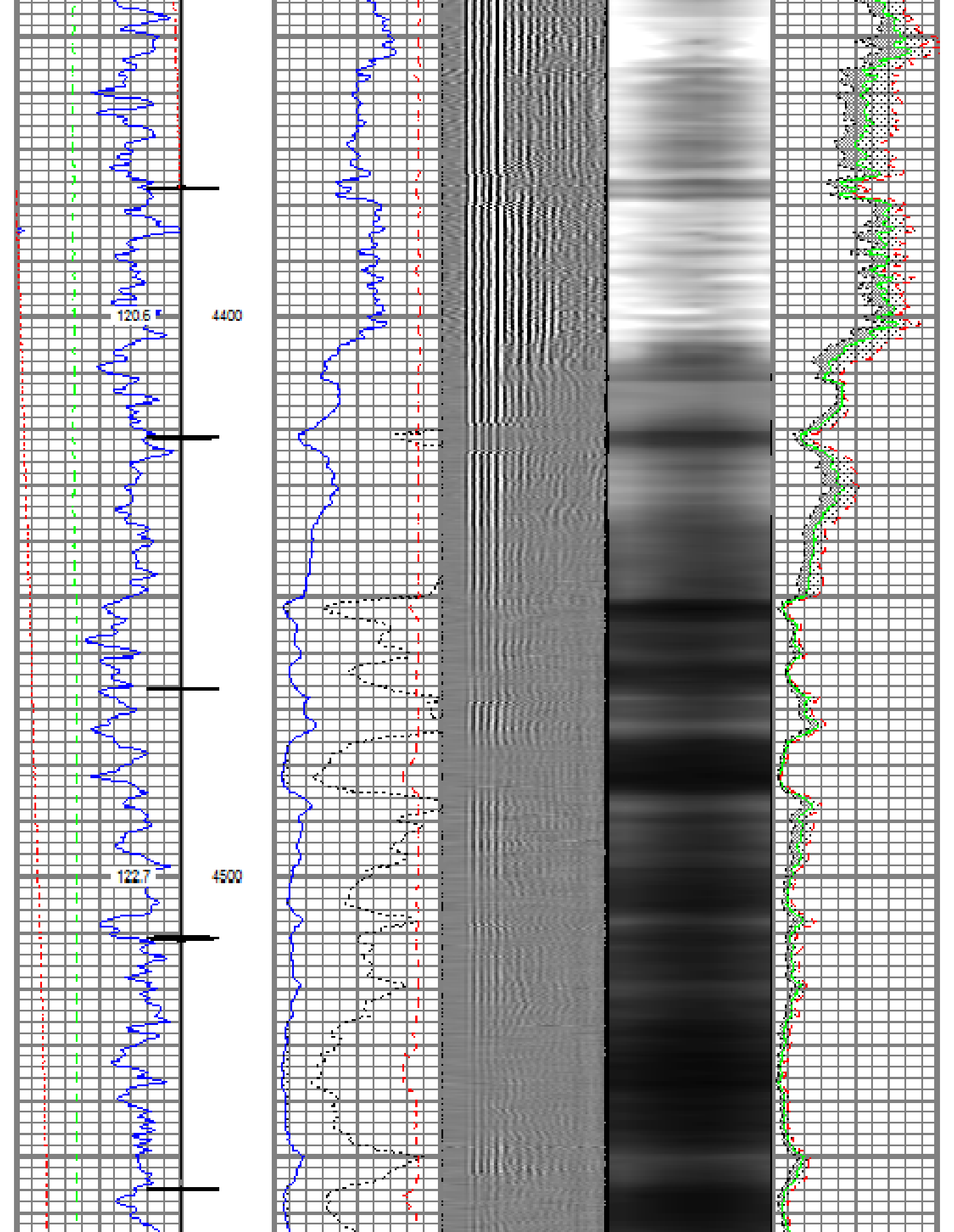


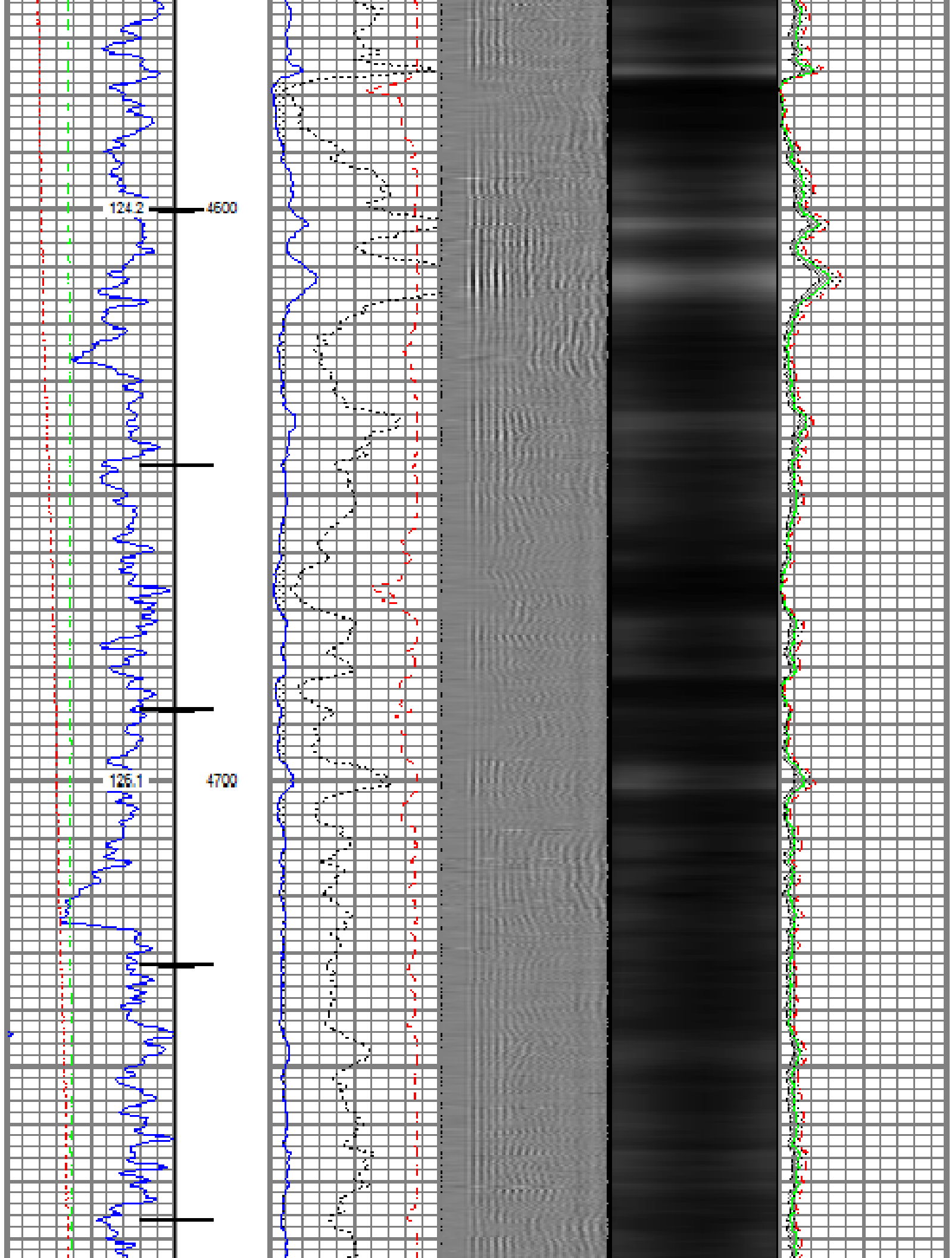


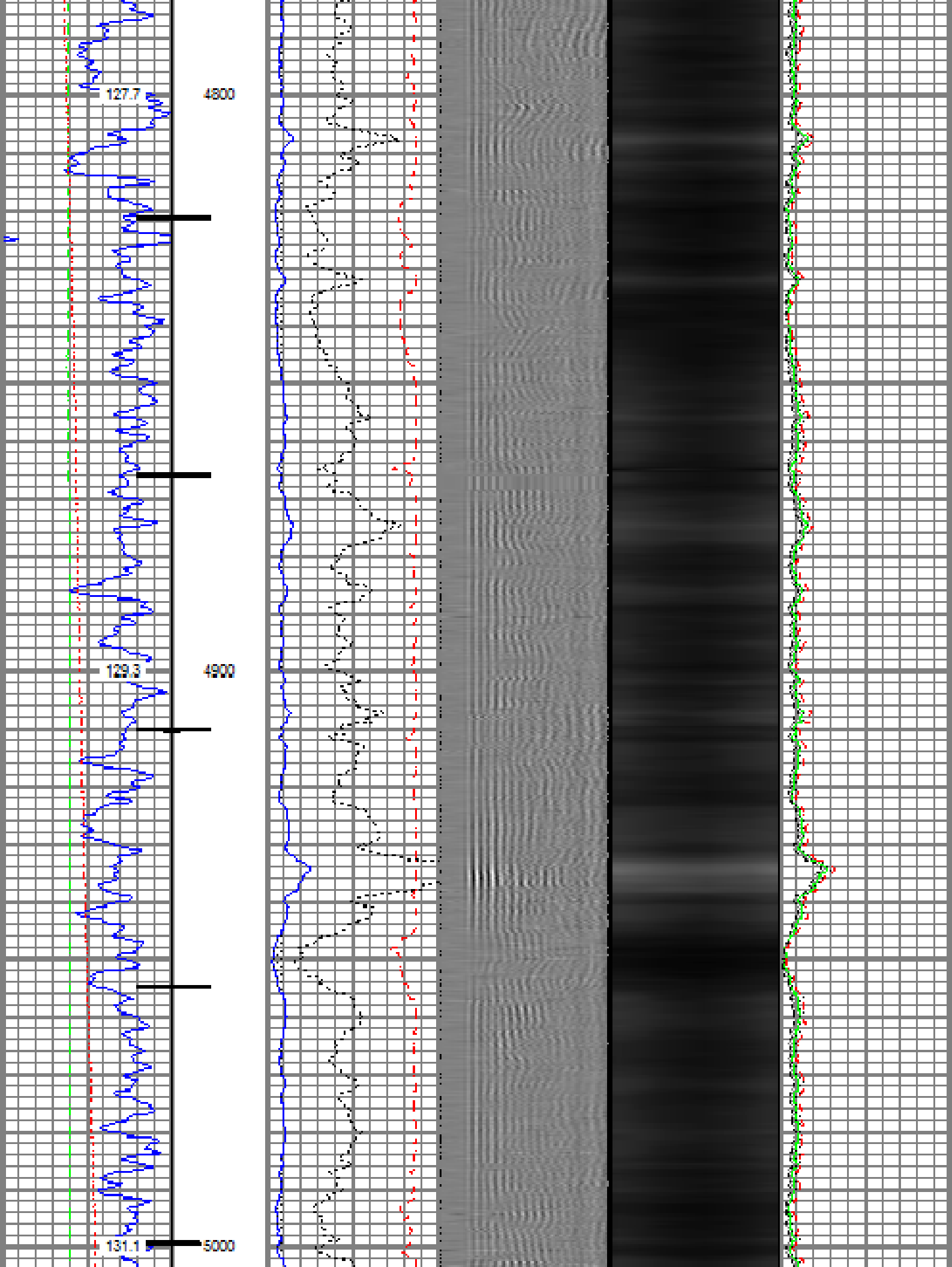


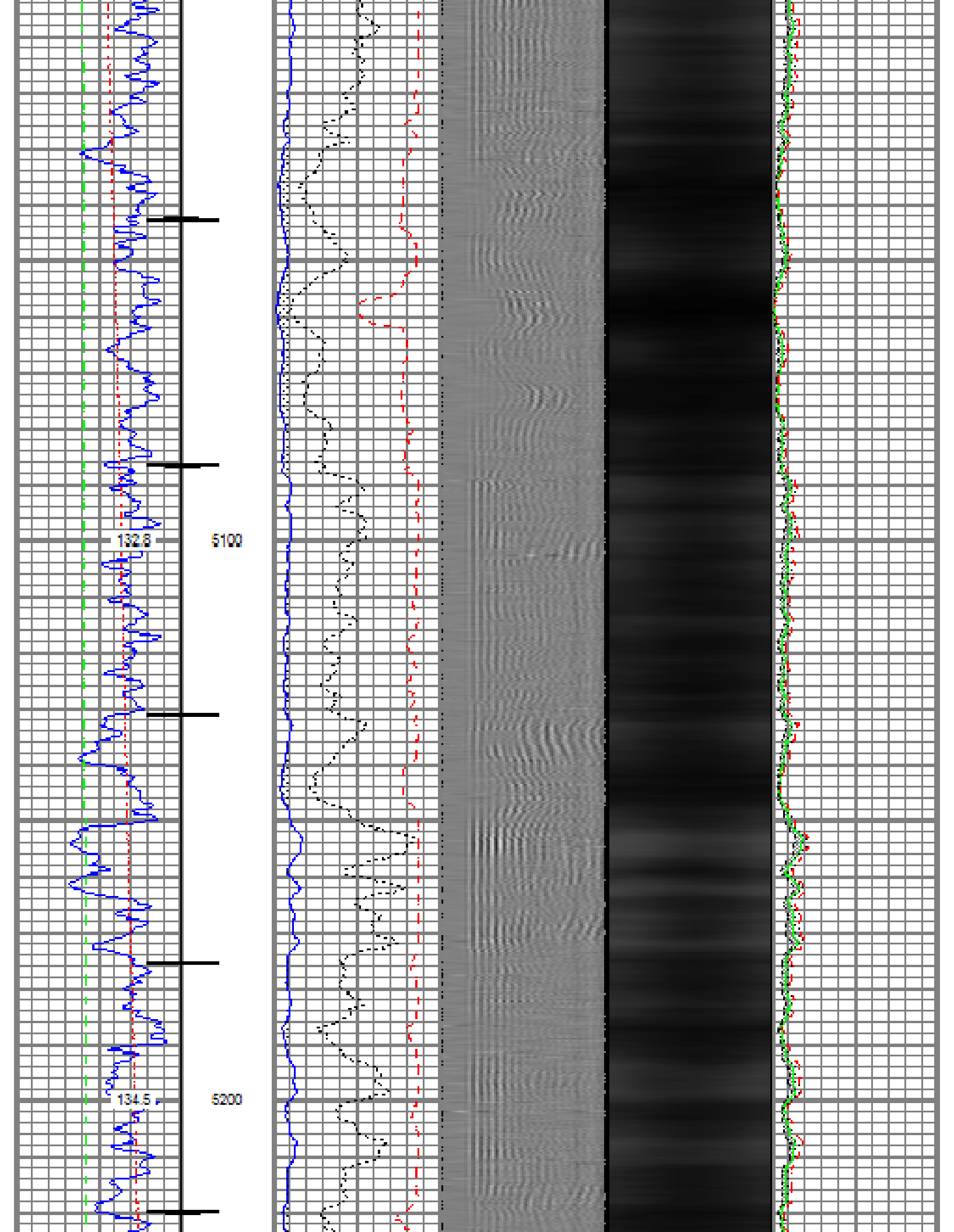


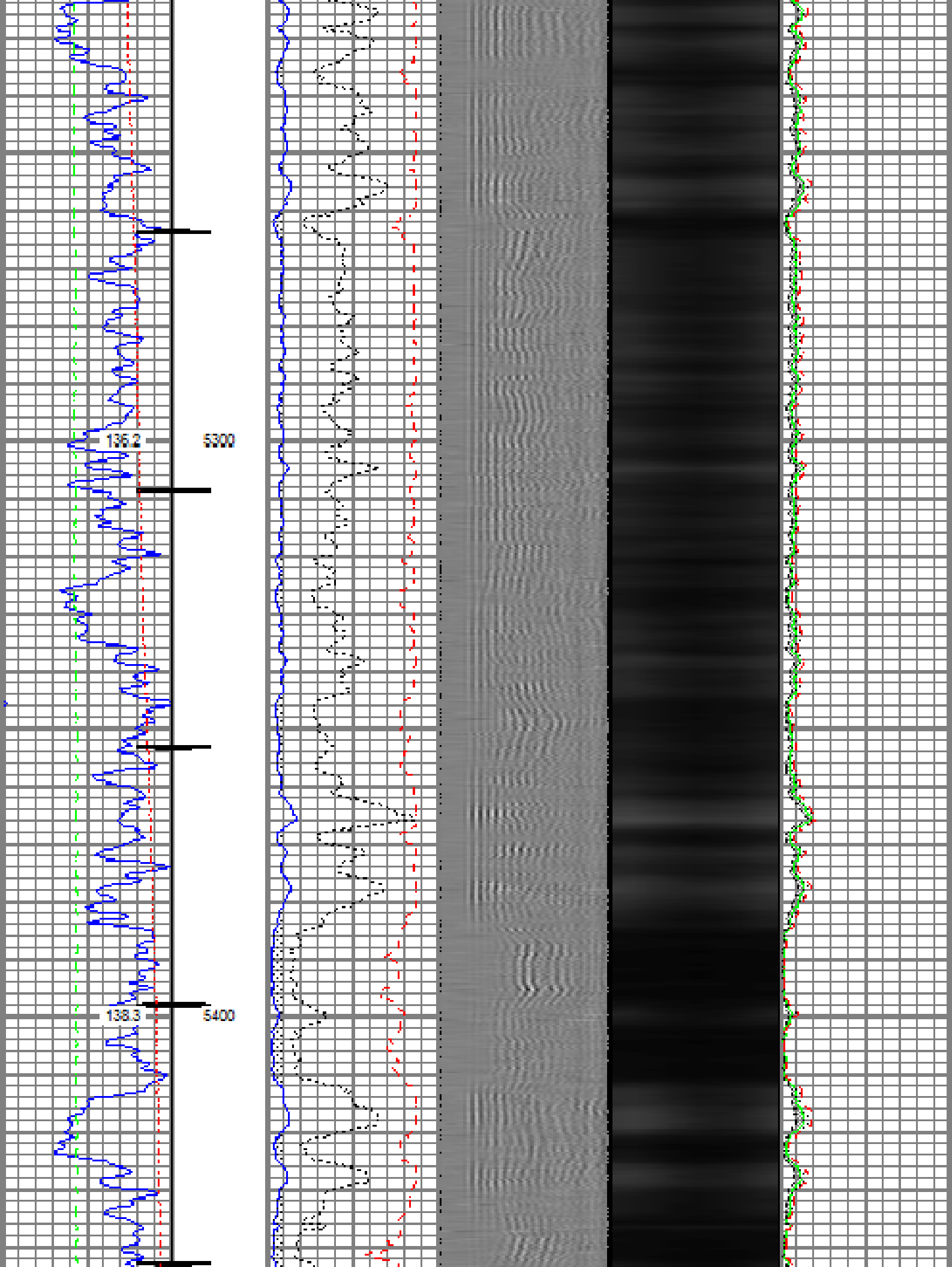


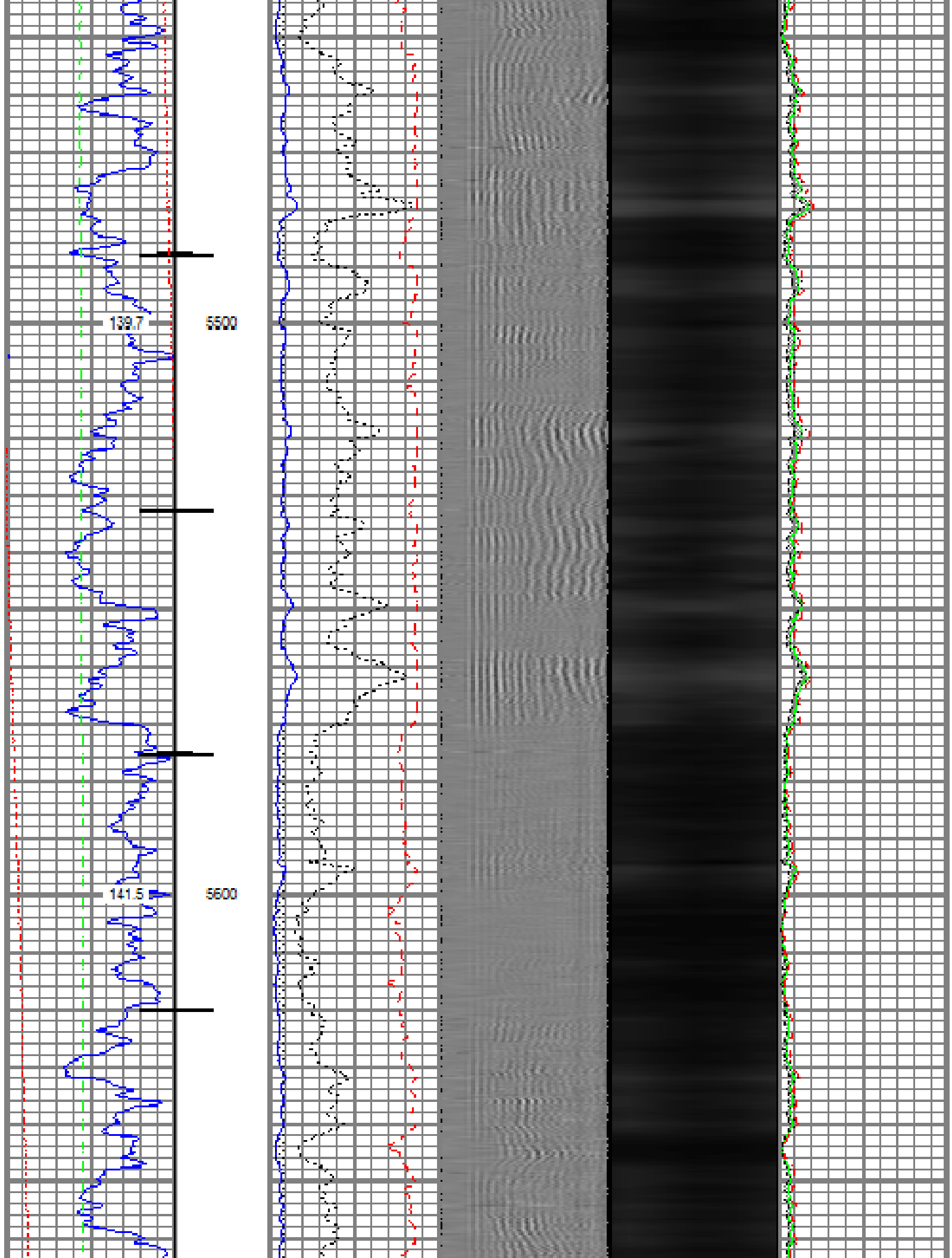


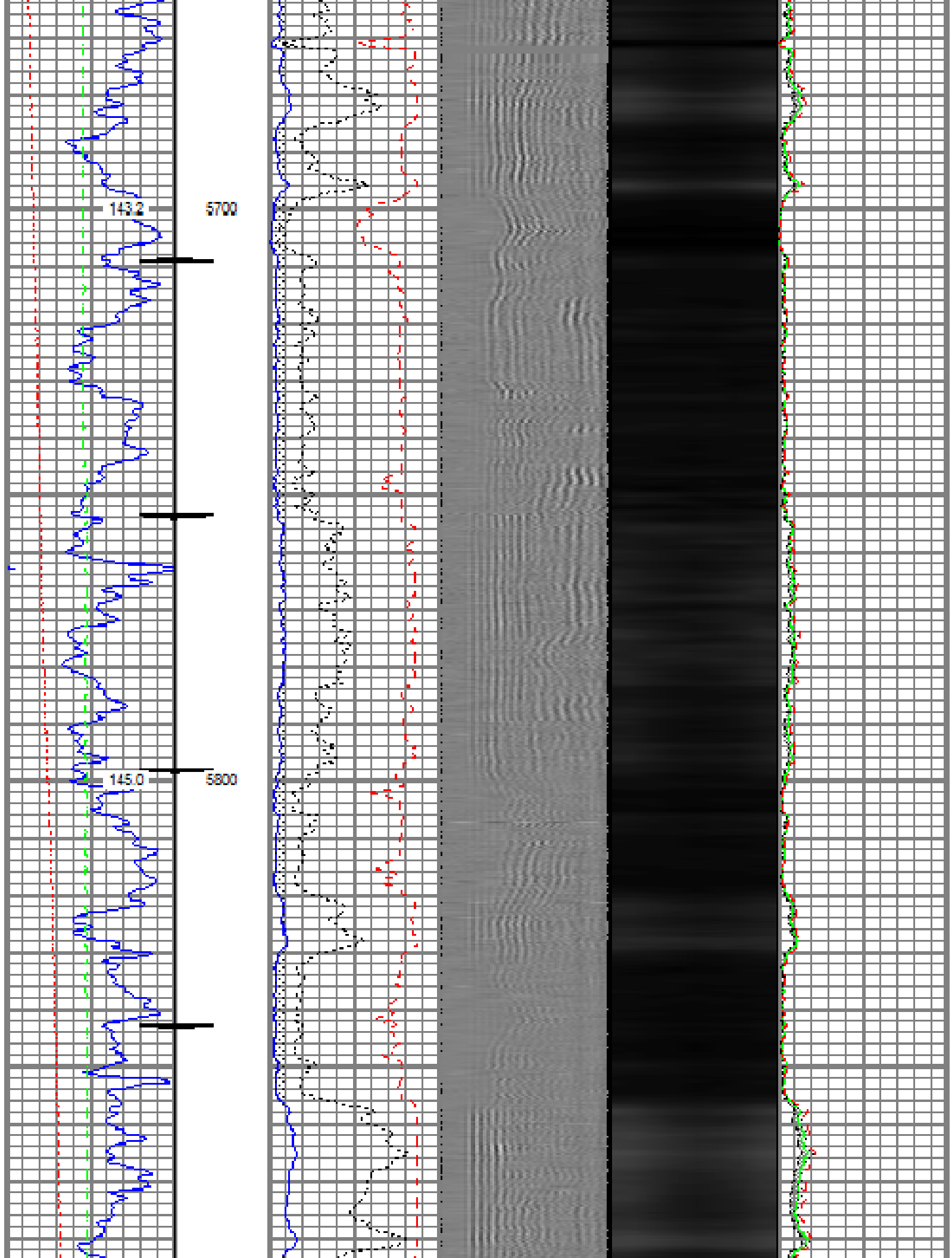


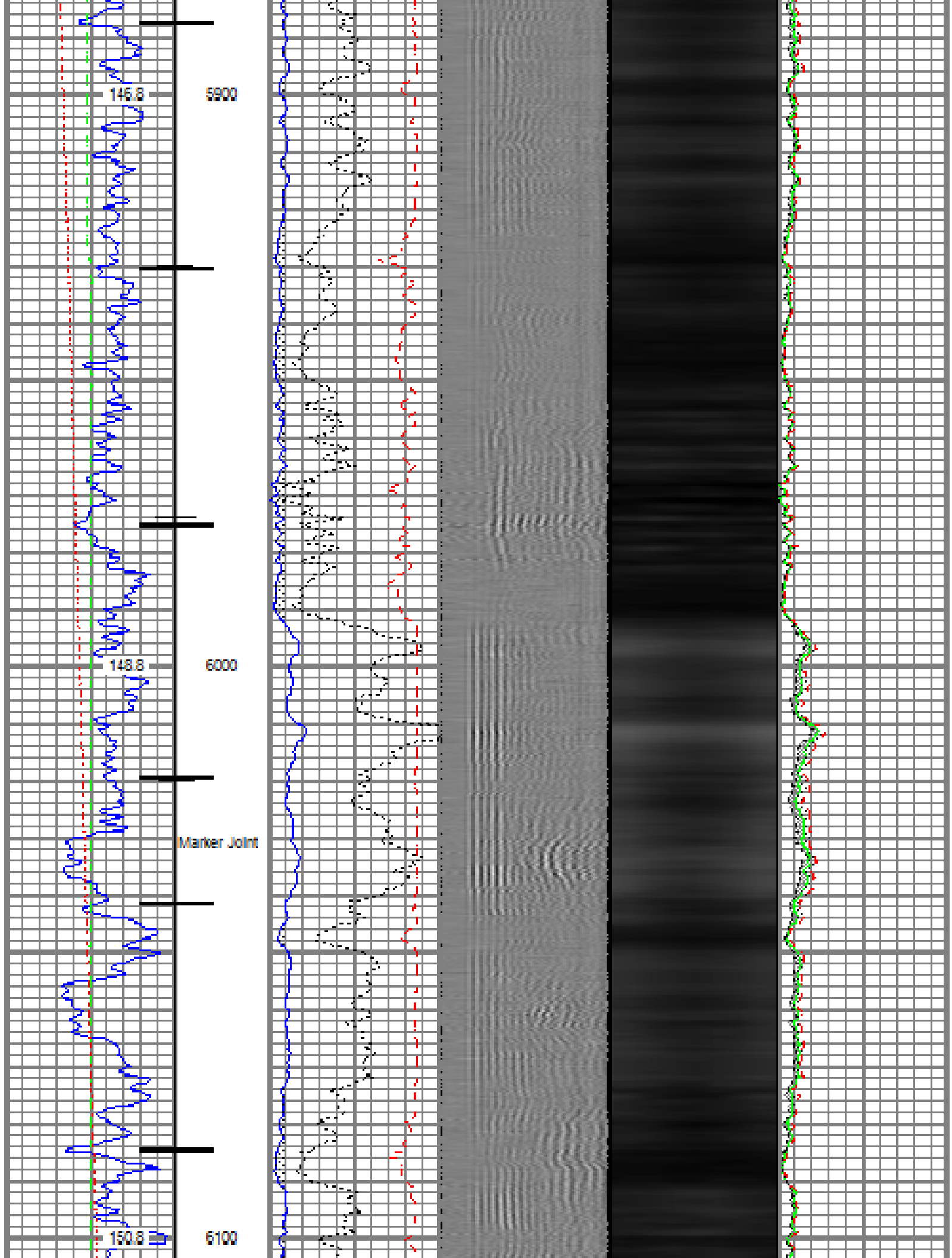


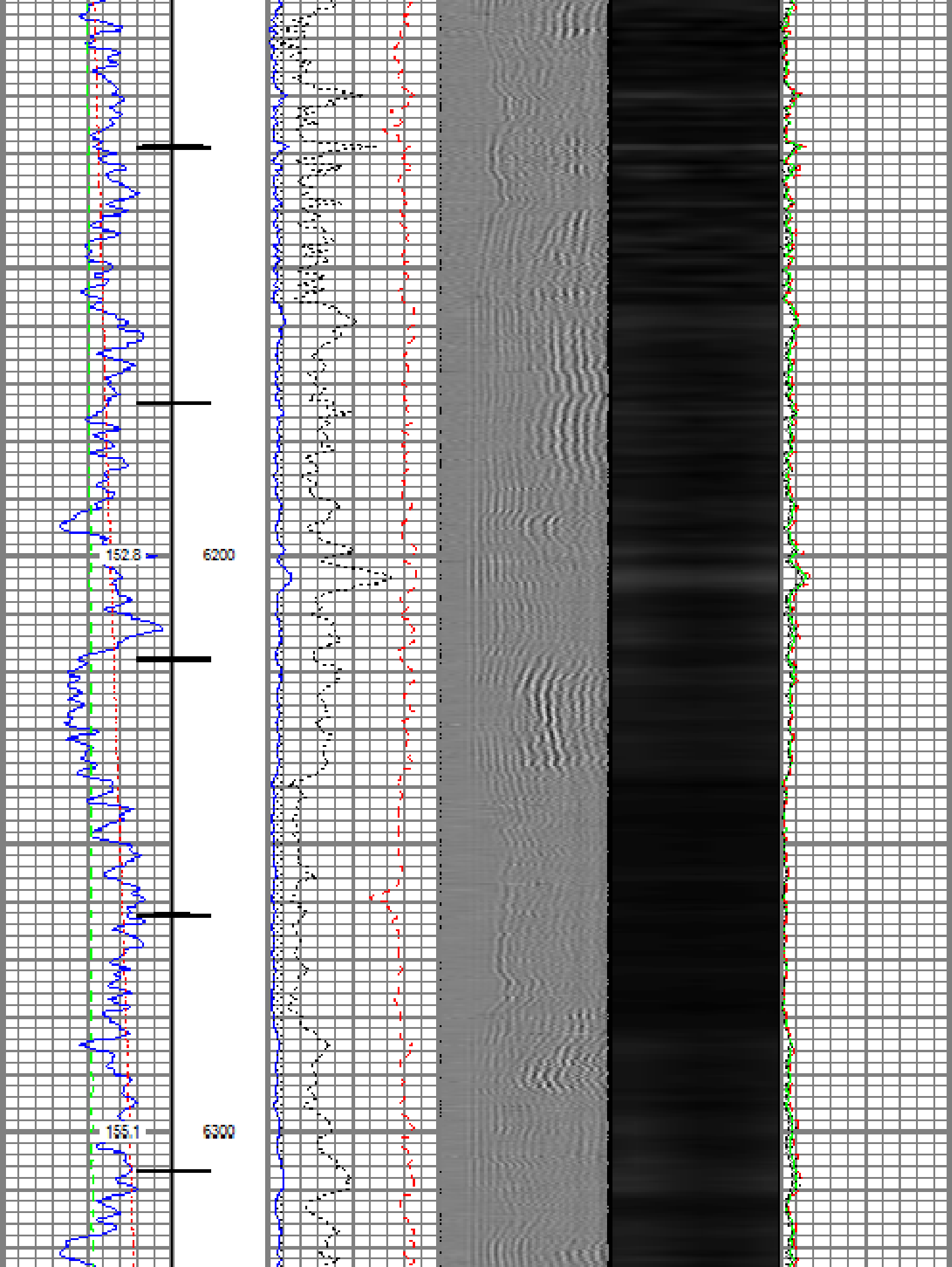


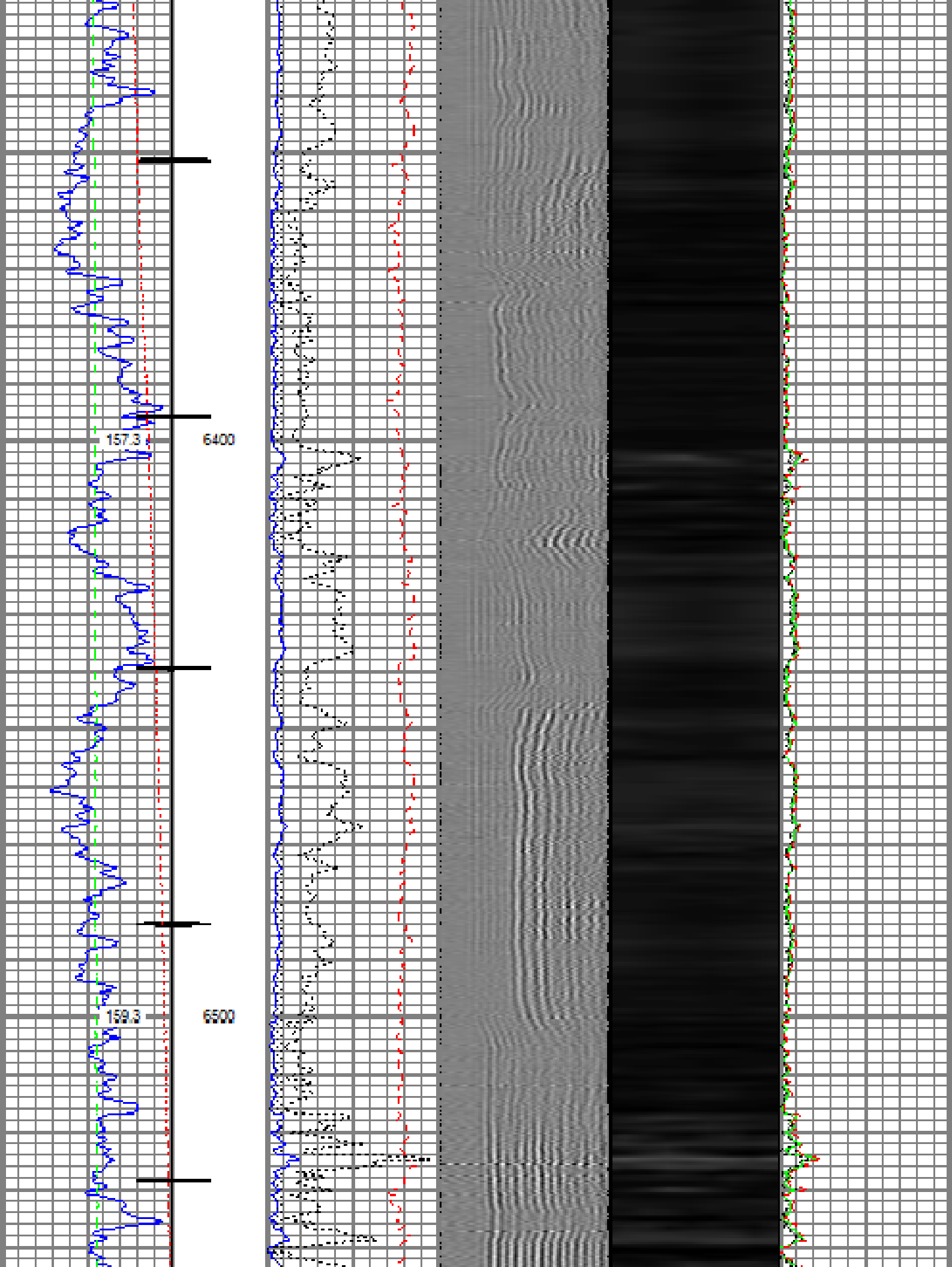


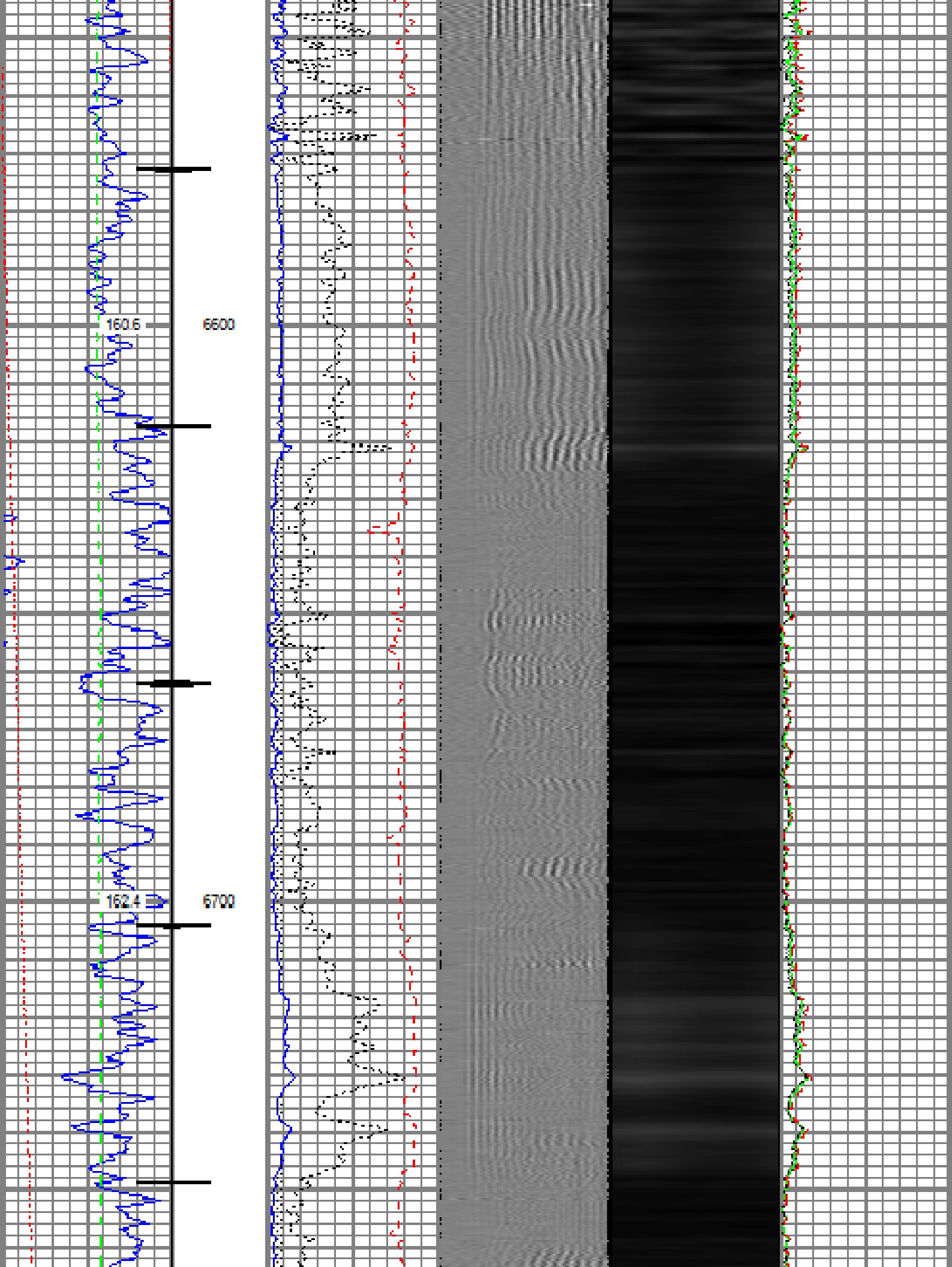


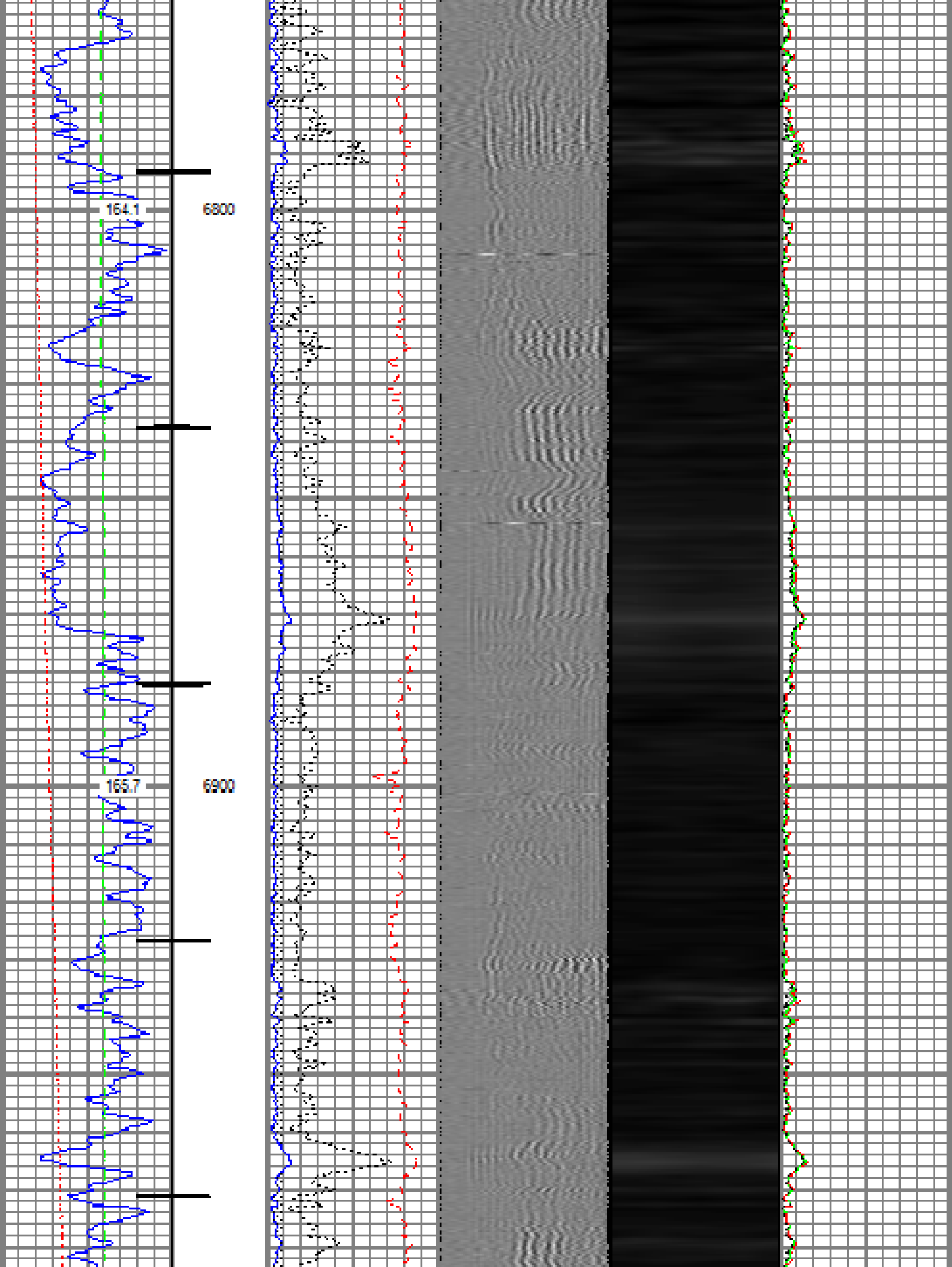


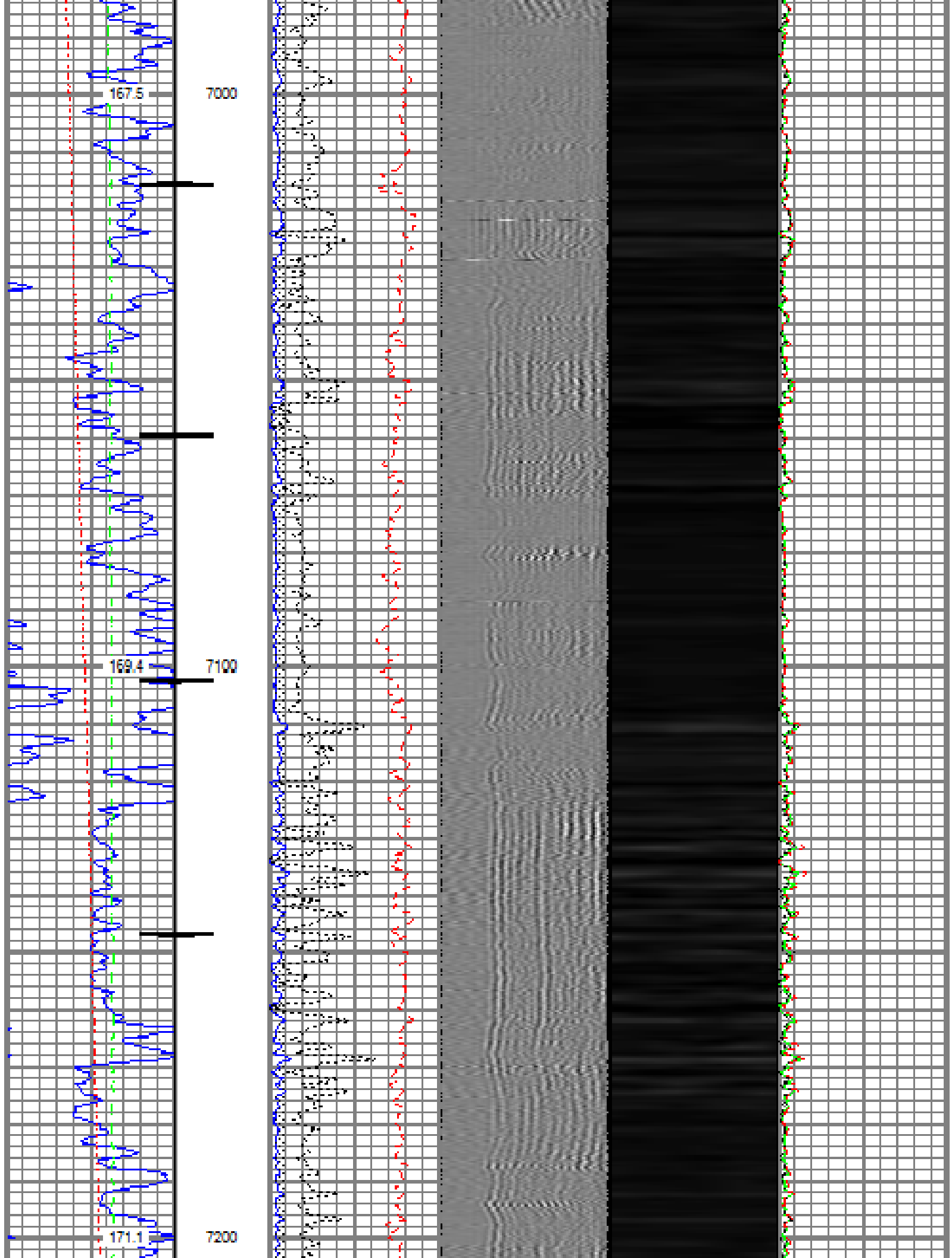


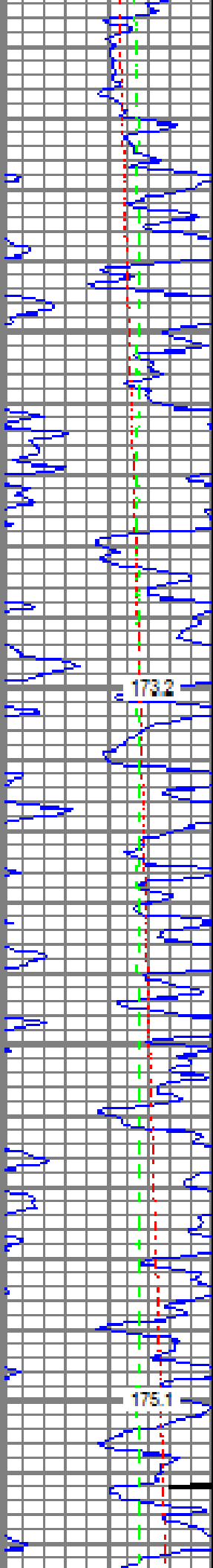






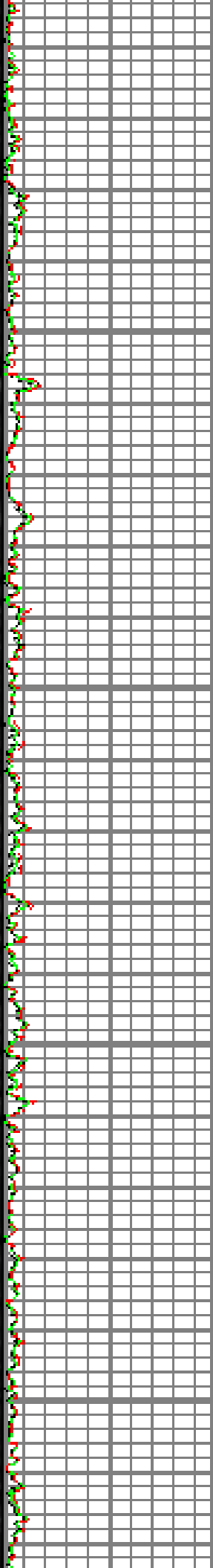
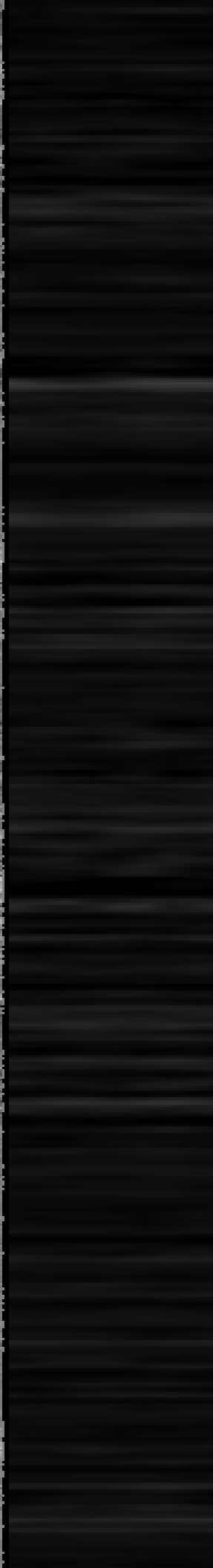
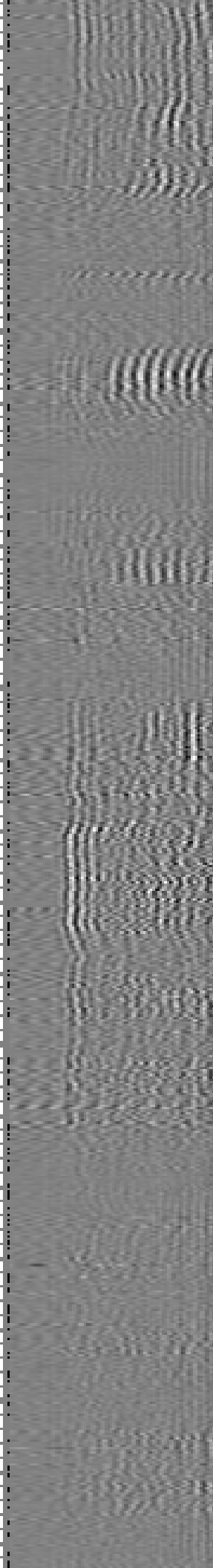
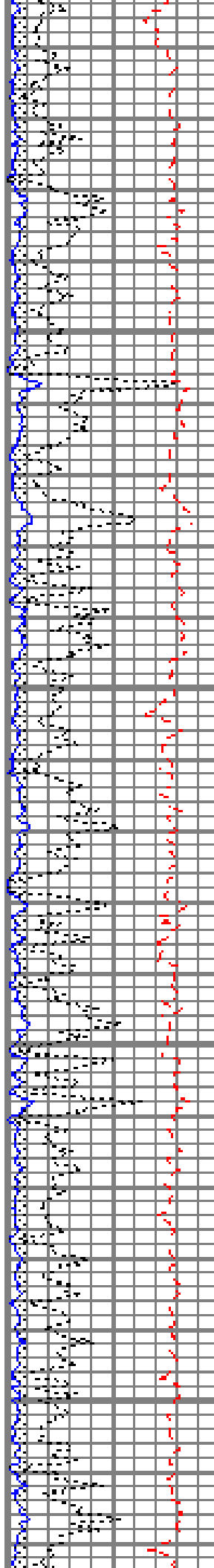






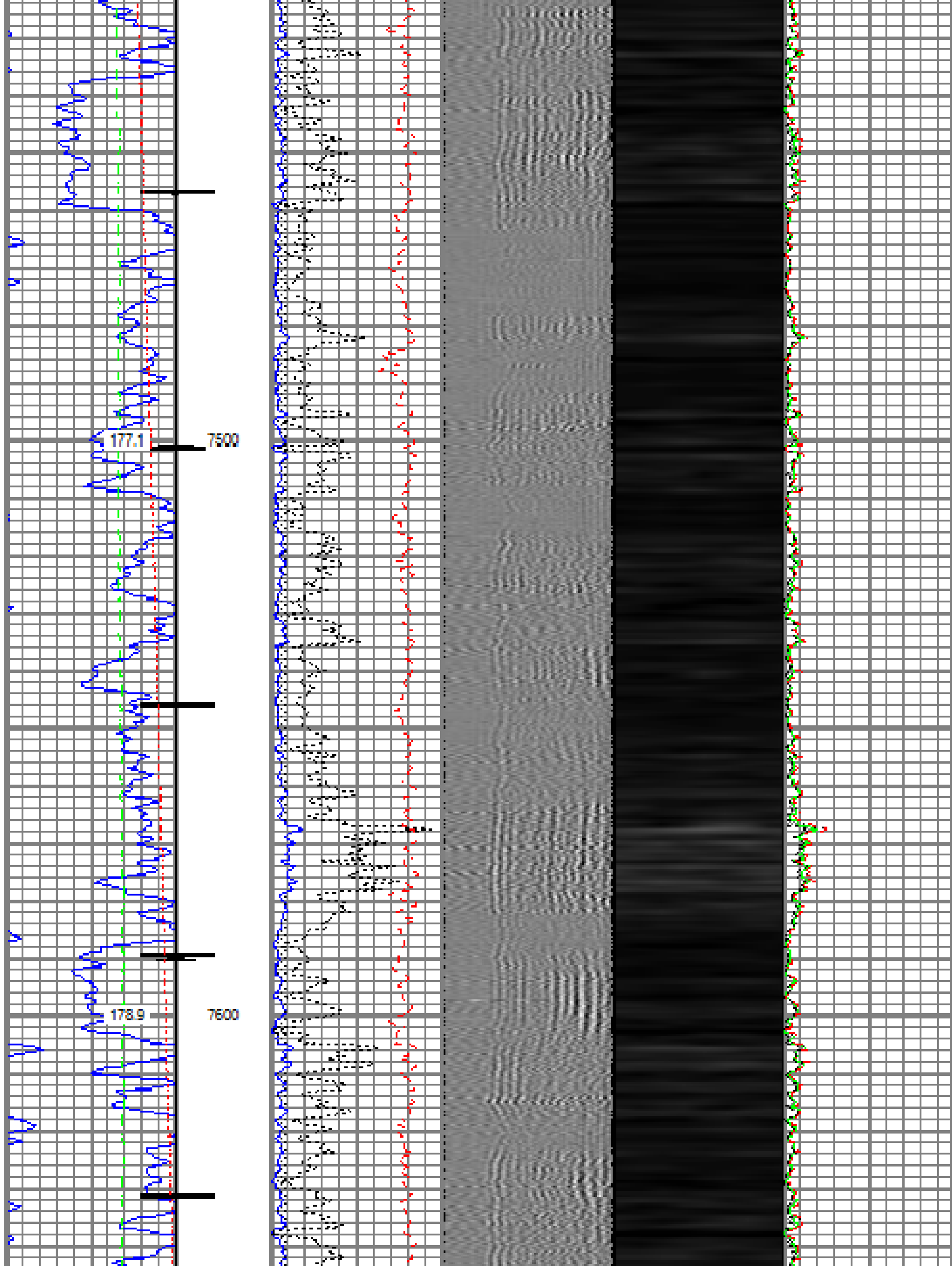
173.2

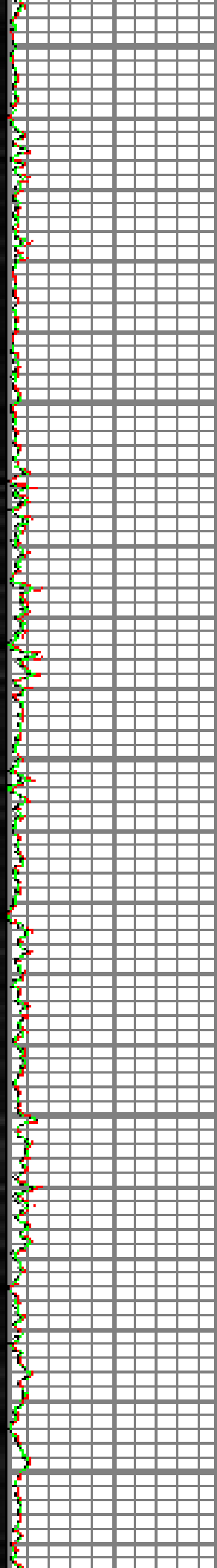
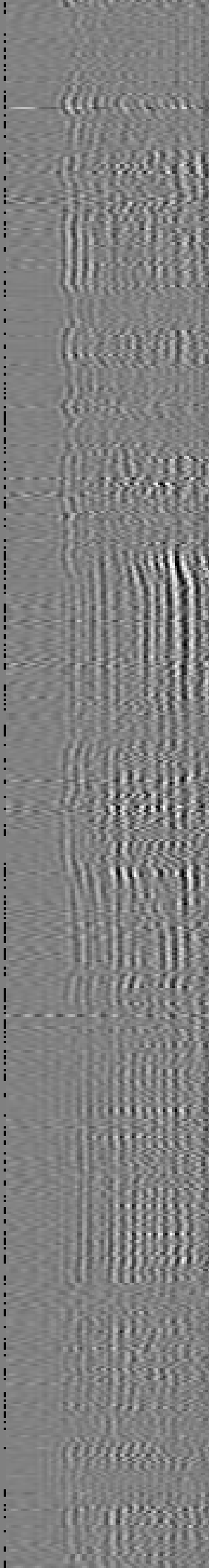
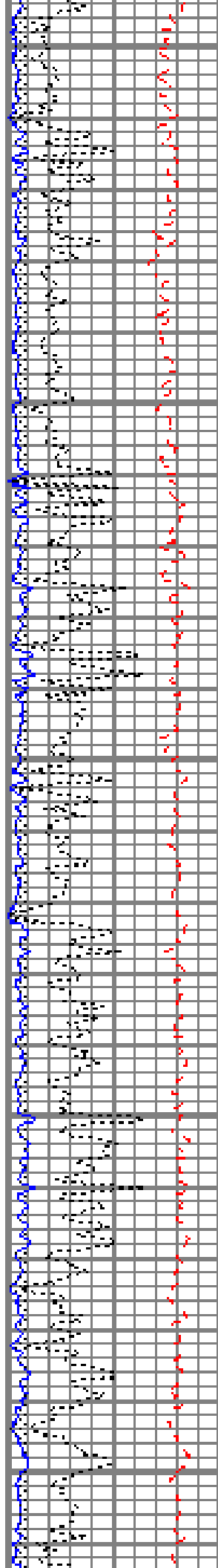
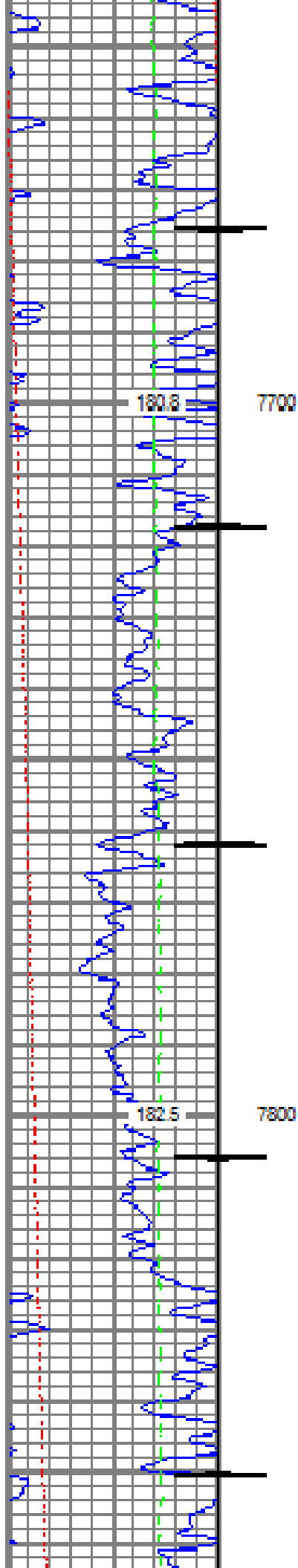
7300

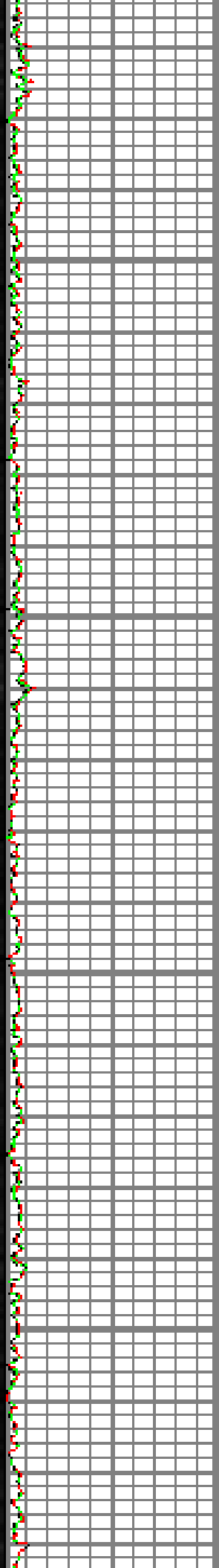
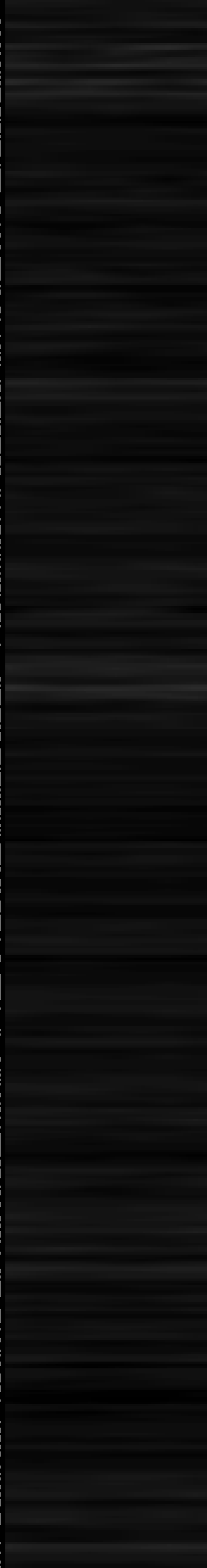
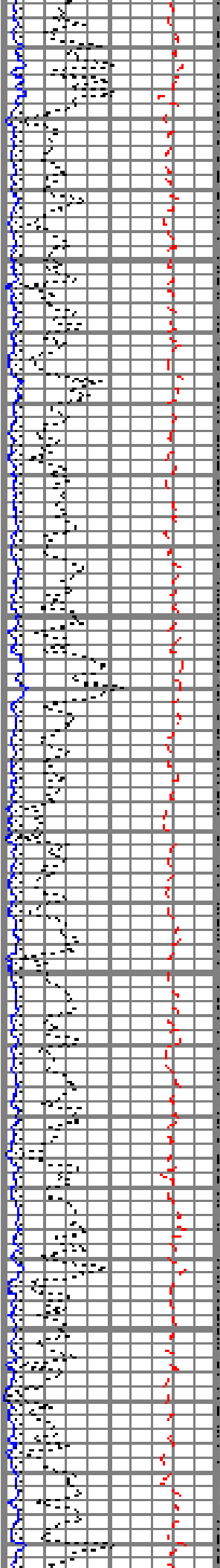
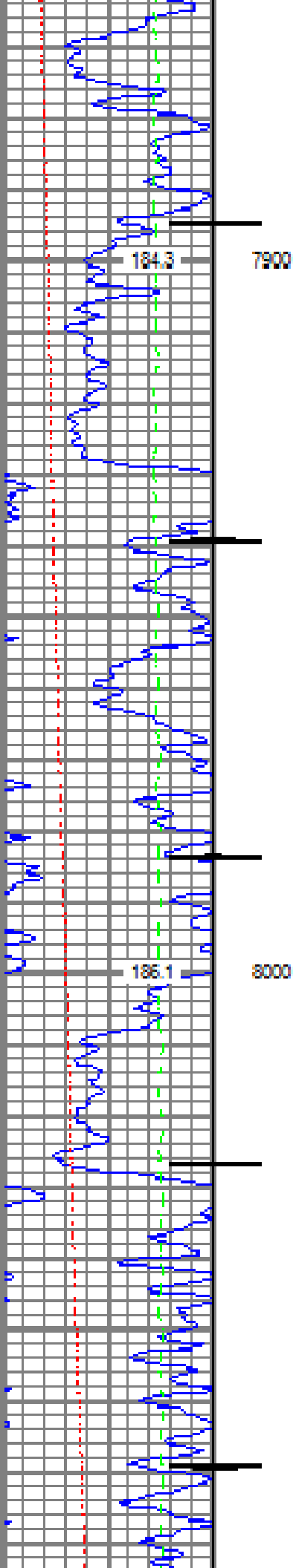


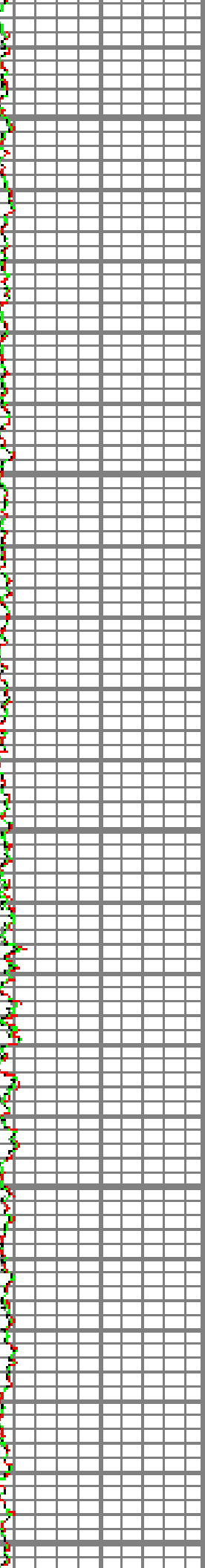
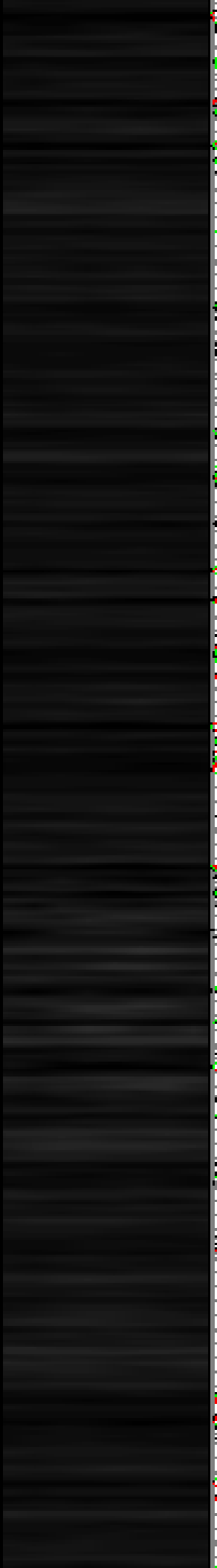
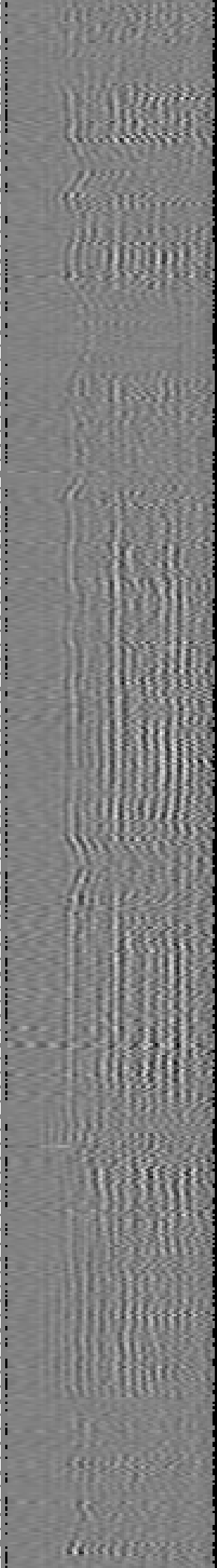
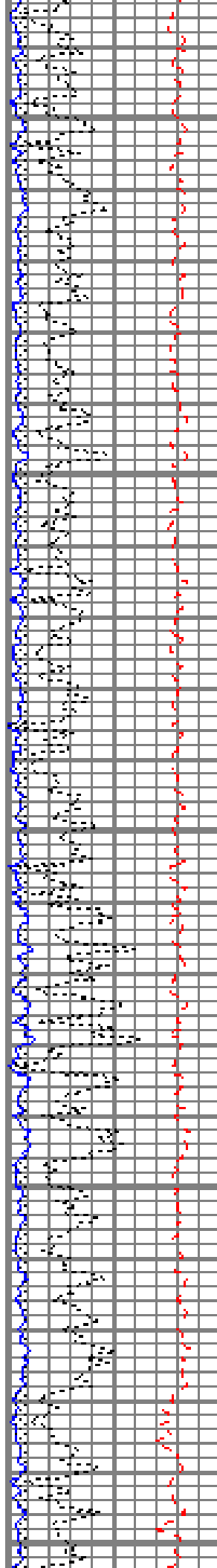
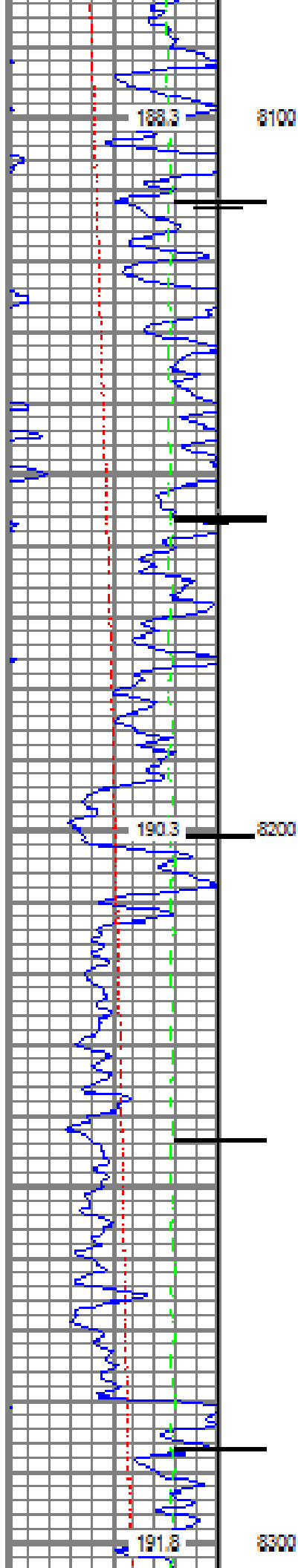
175.1

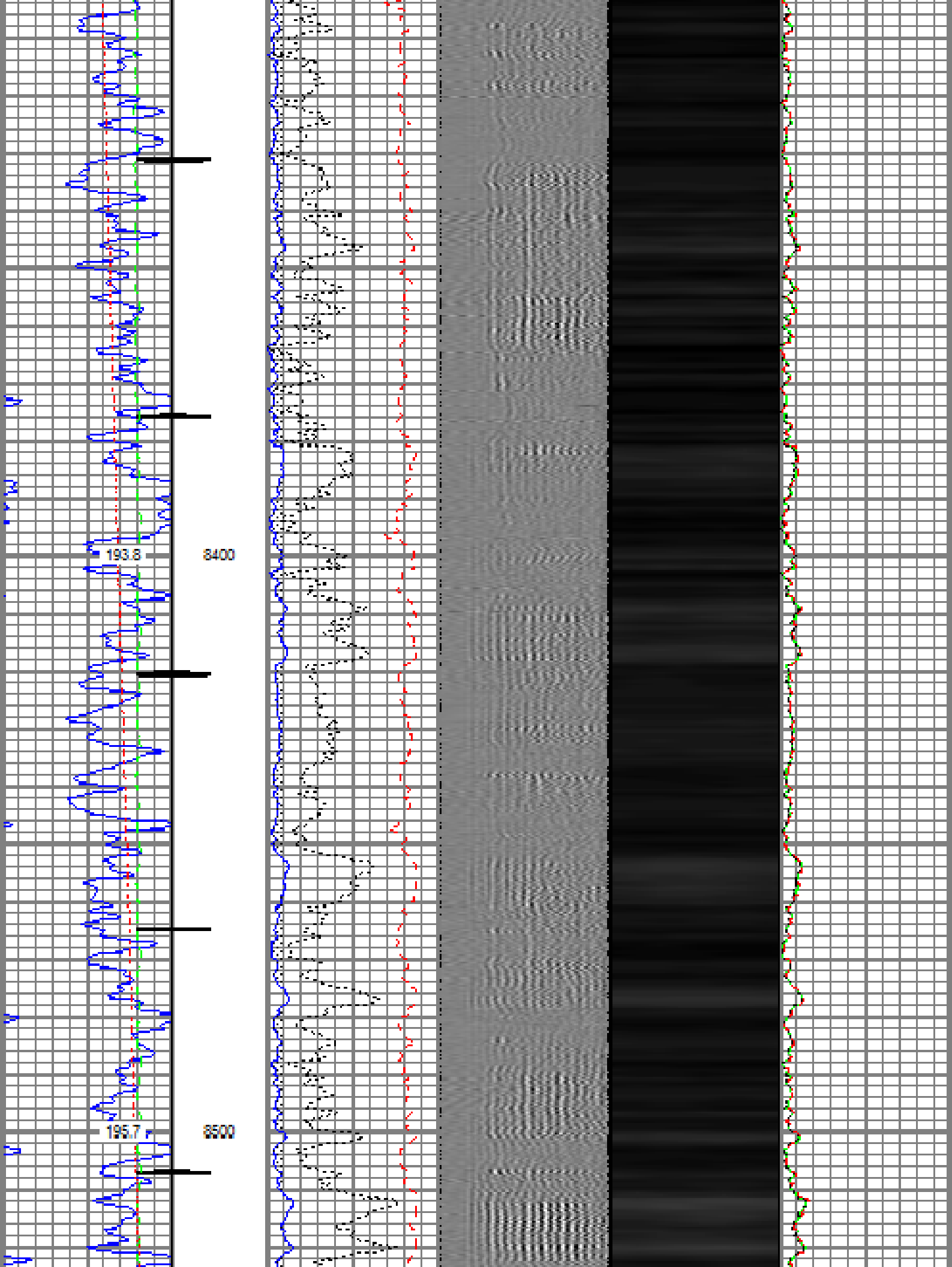
7400

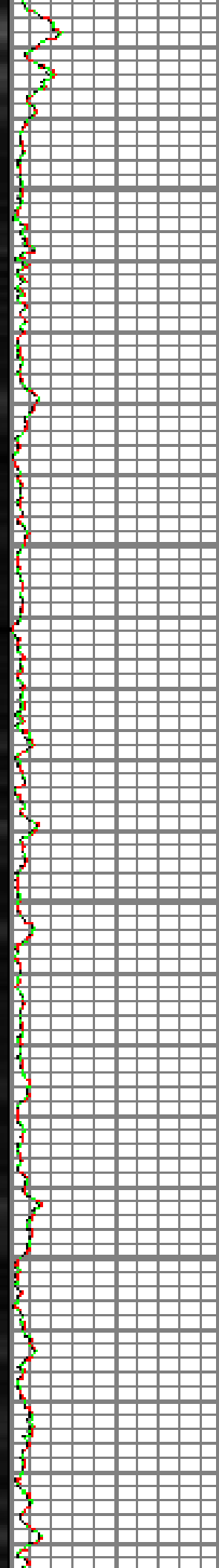
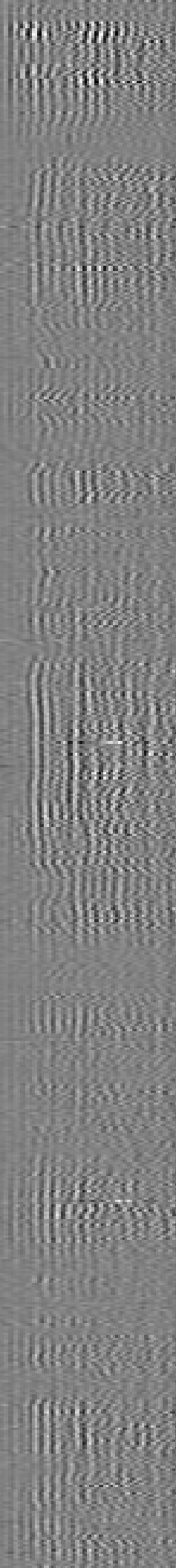
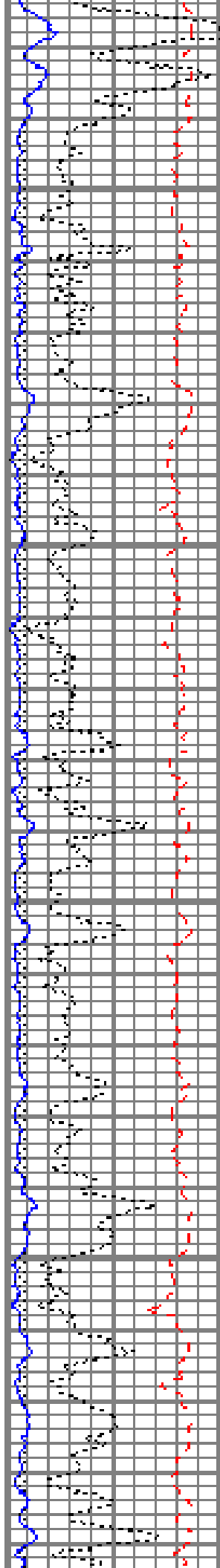
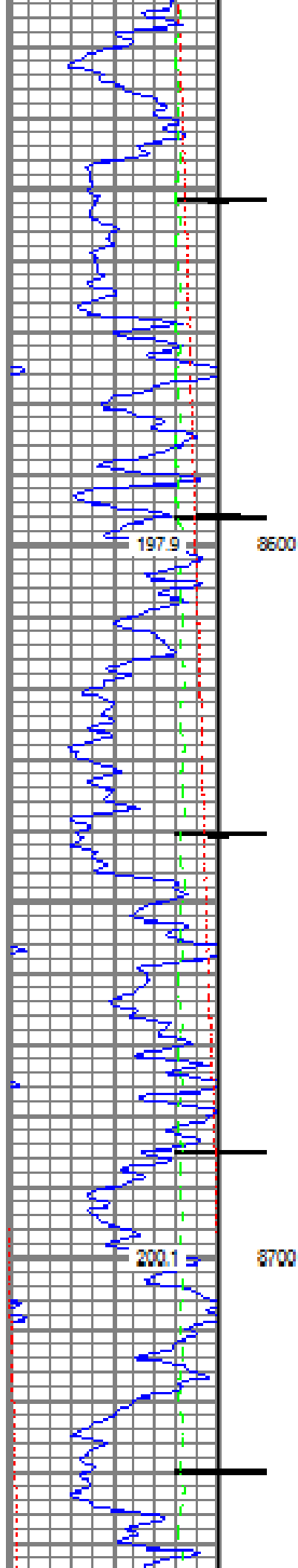


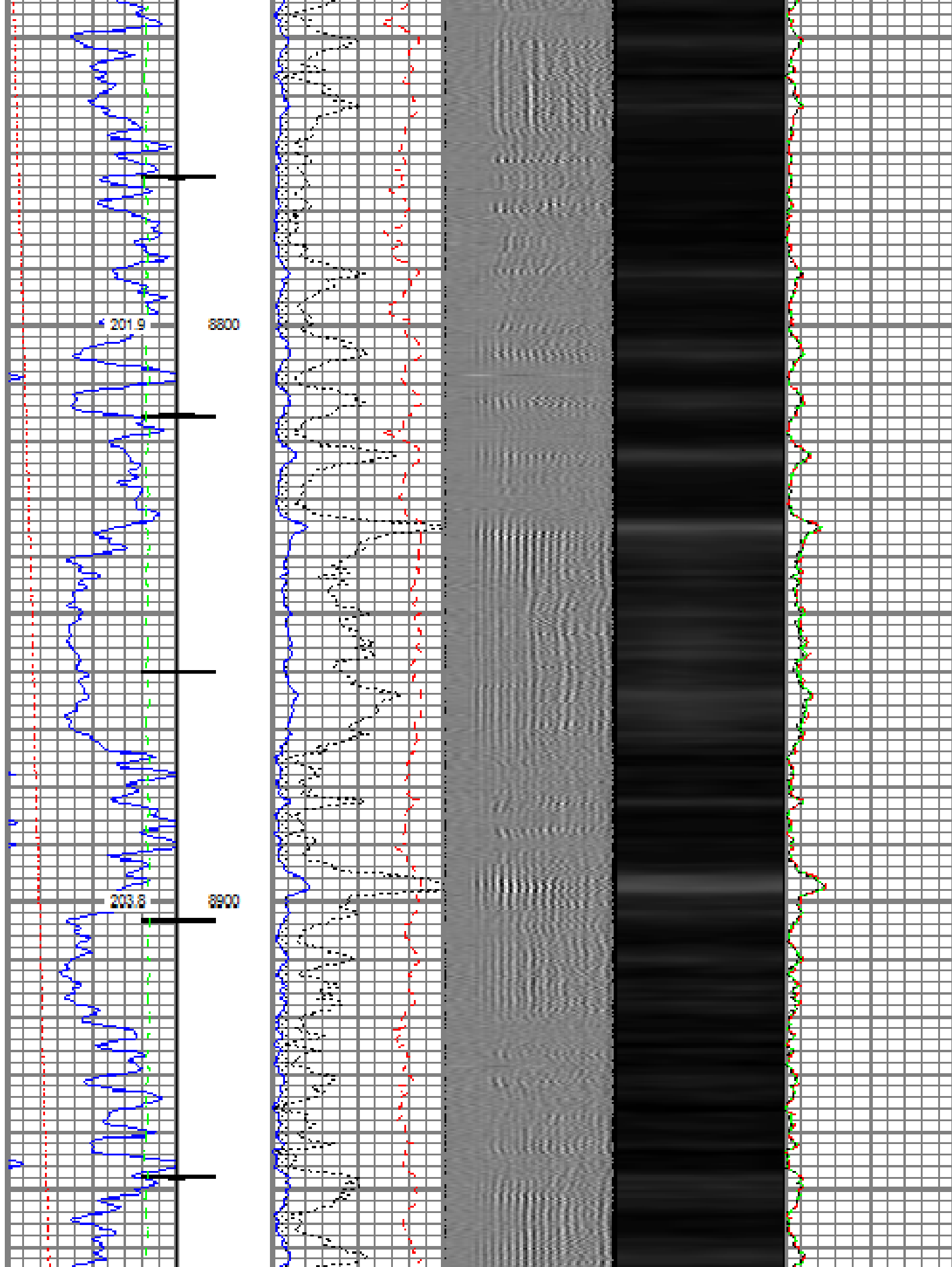


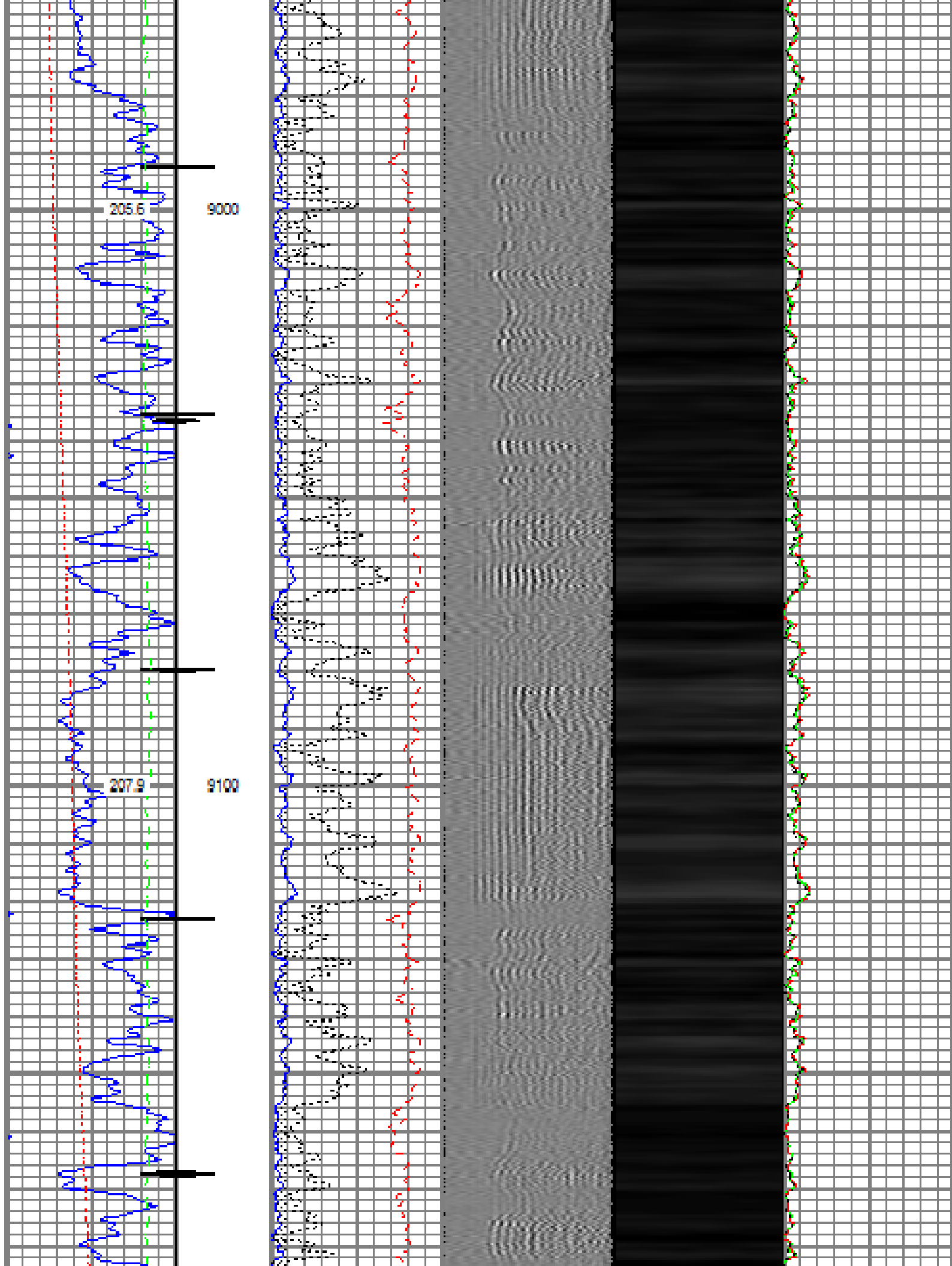












210.3

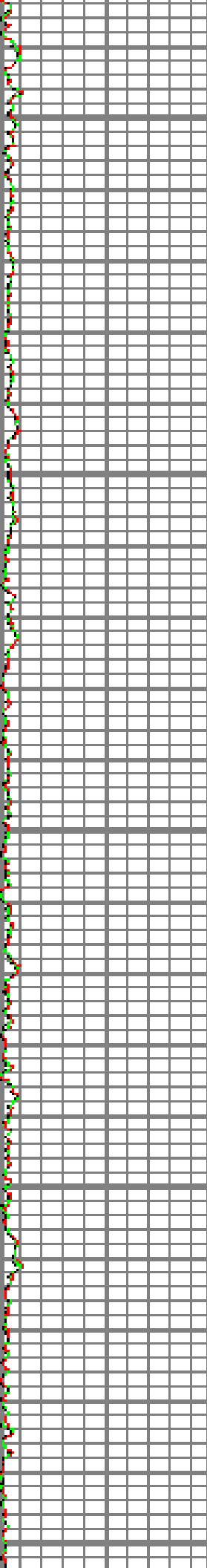
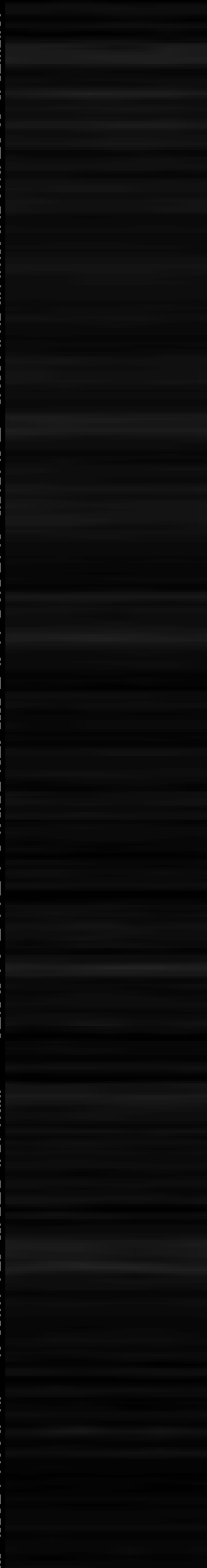
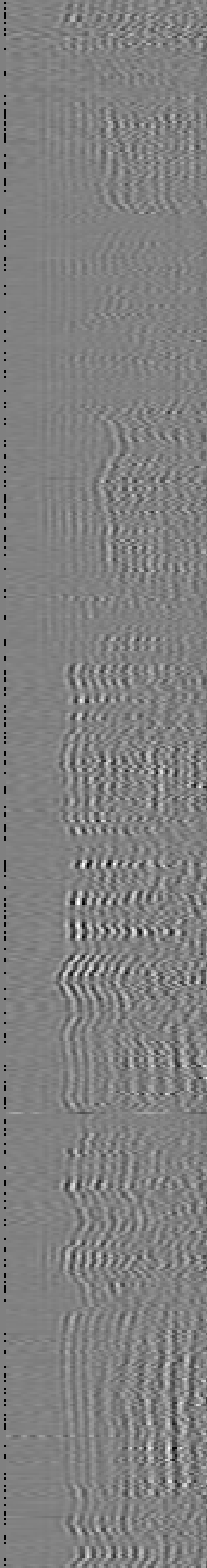
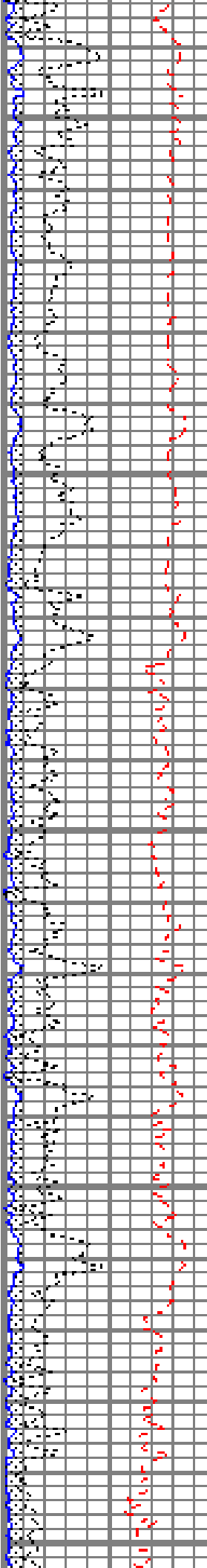
9200

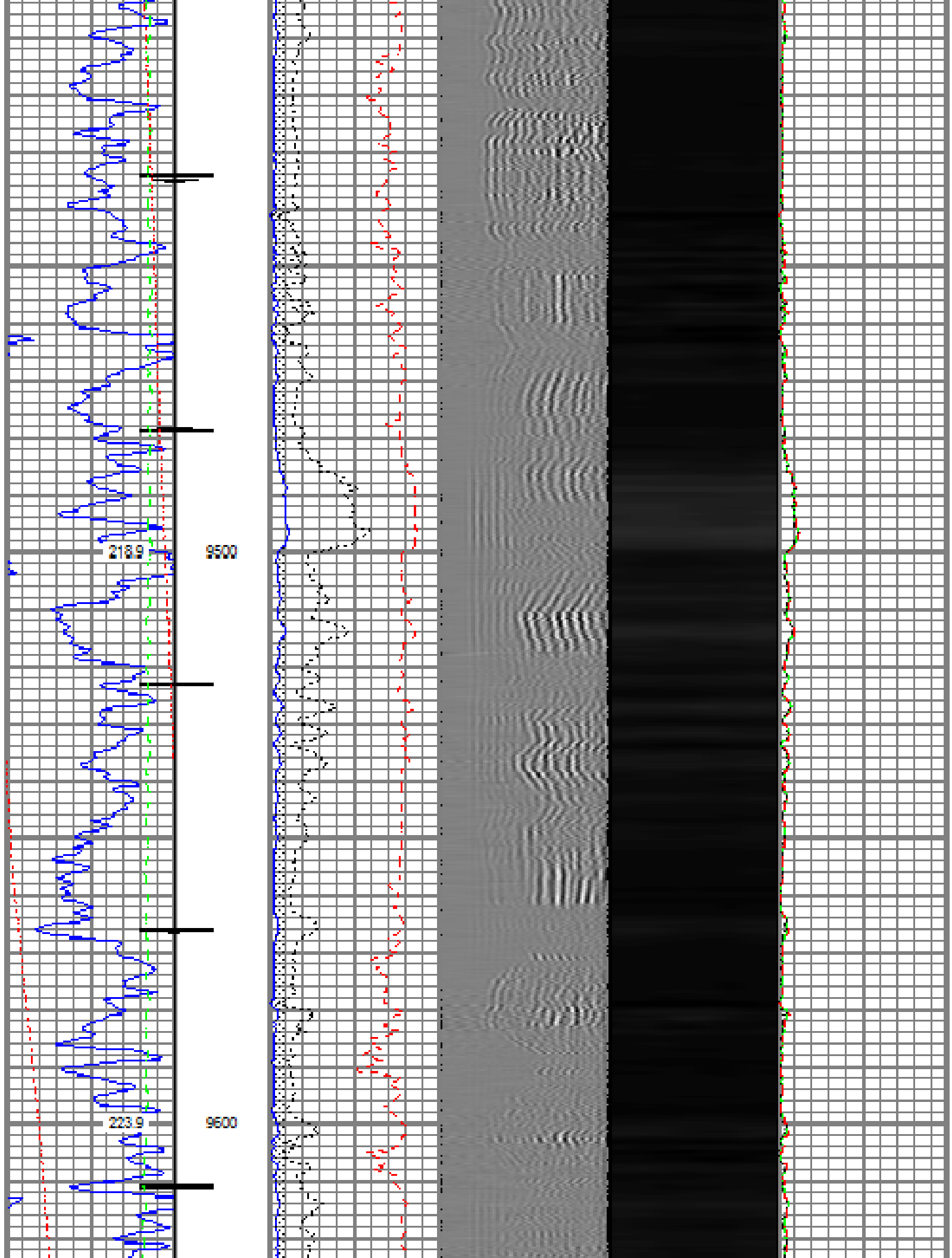
213.9

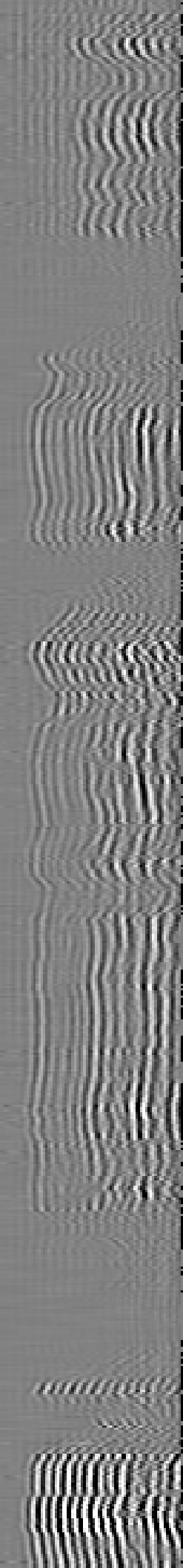
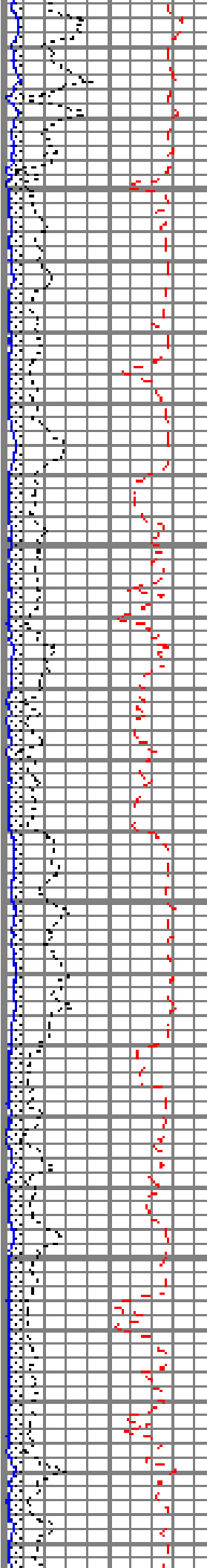
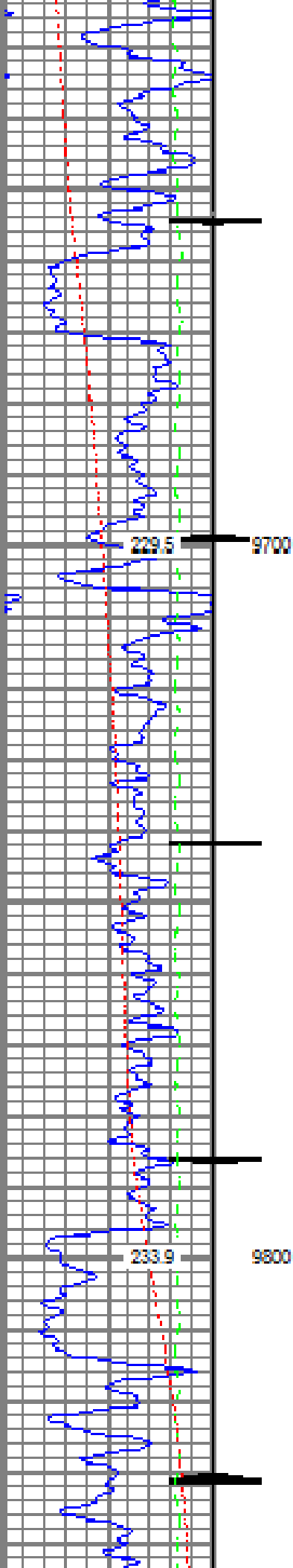
9300

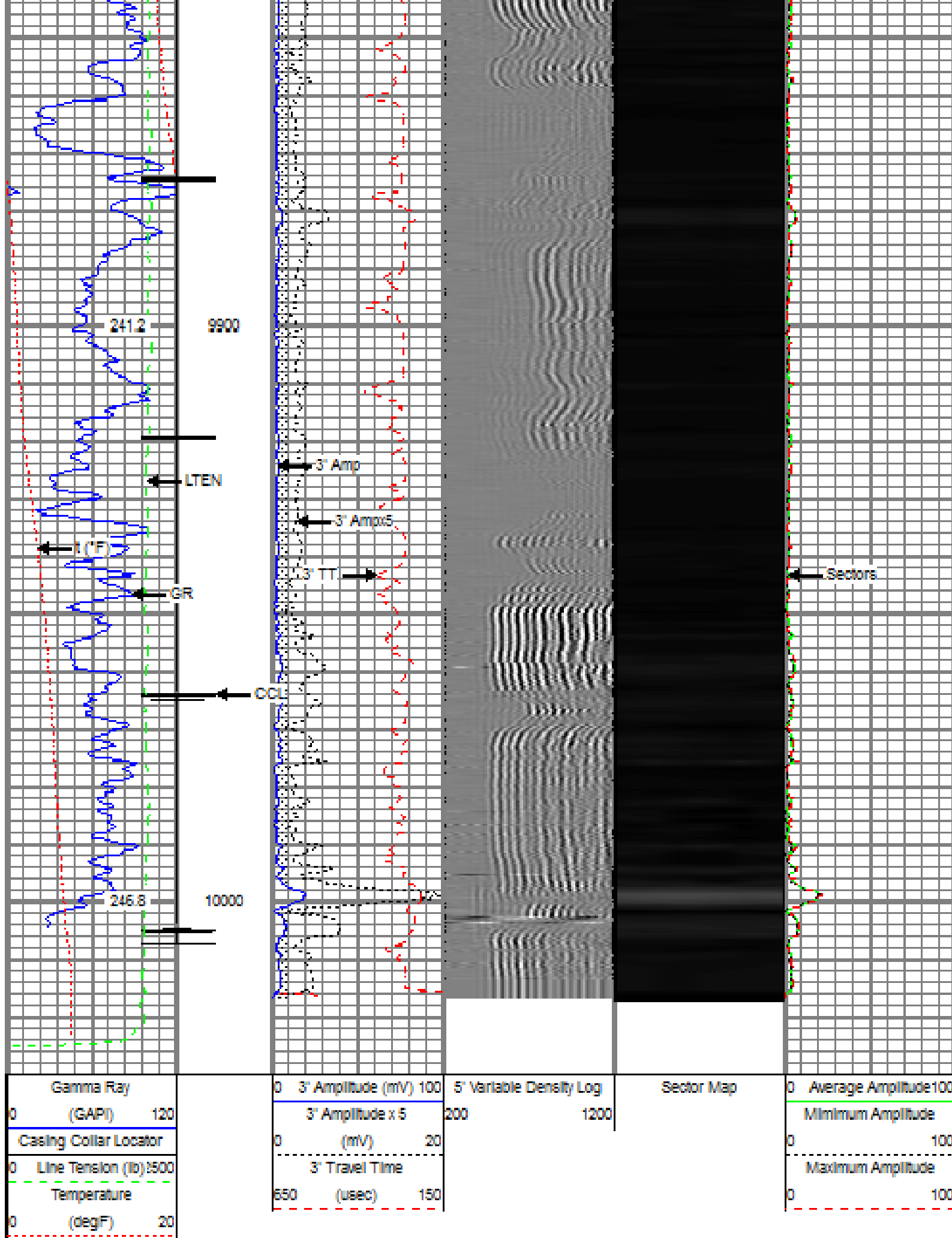
216.4

9400



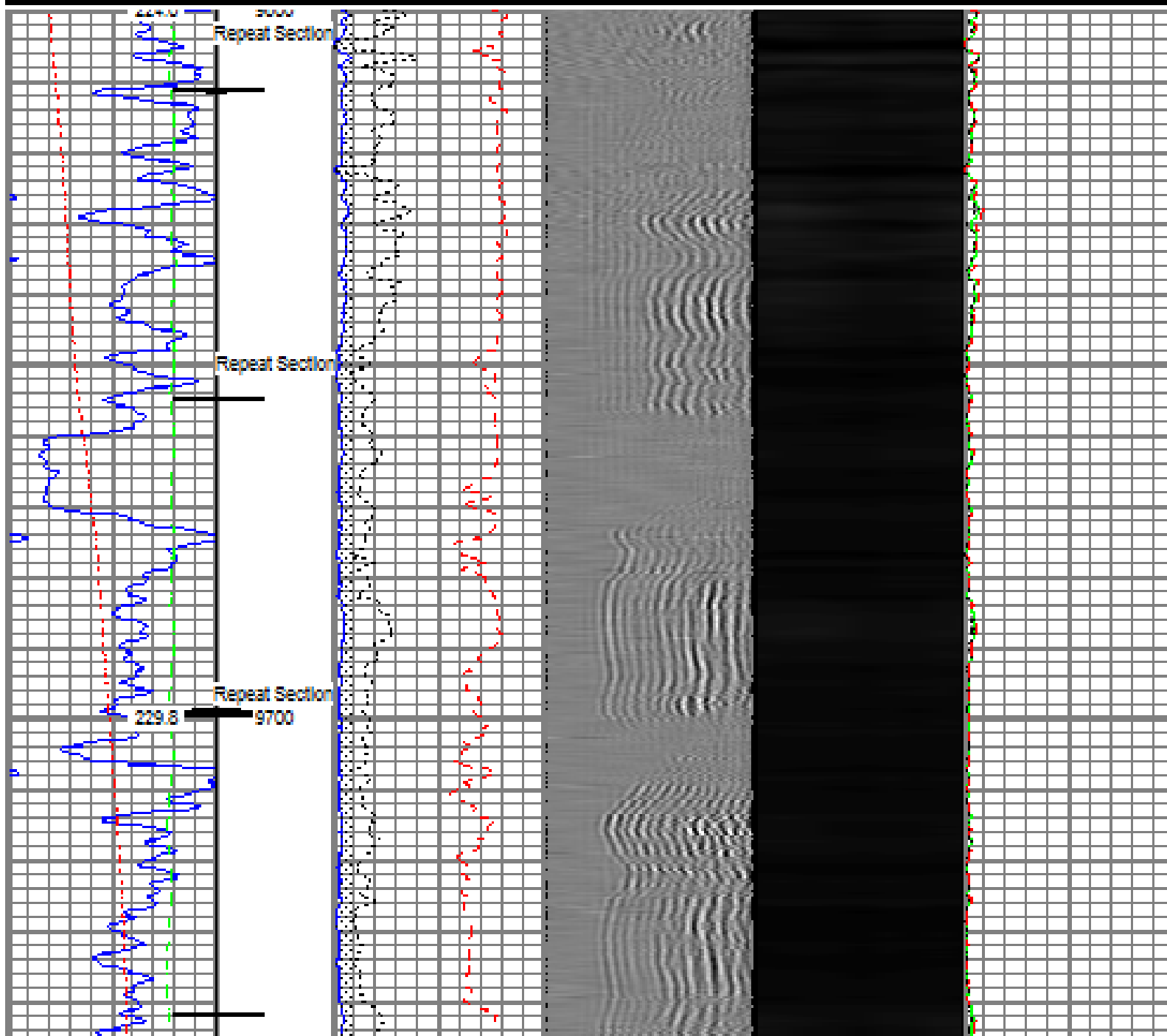


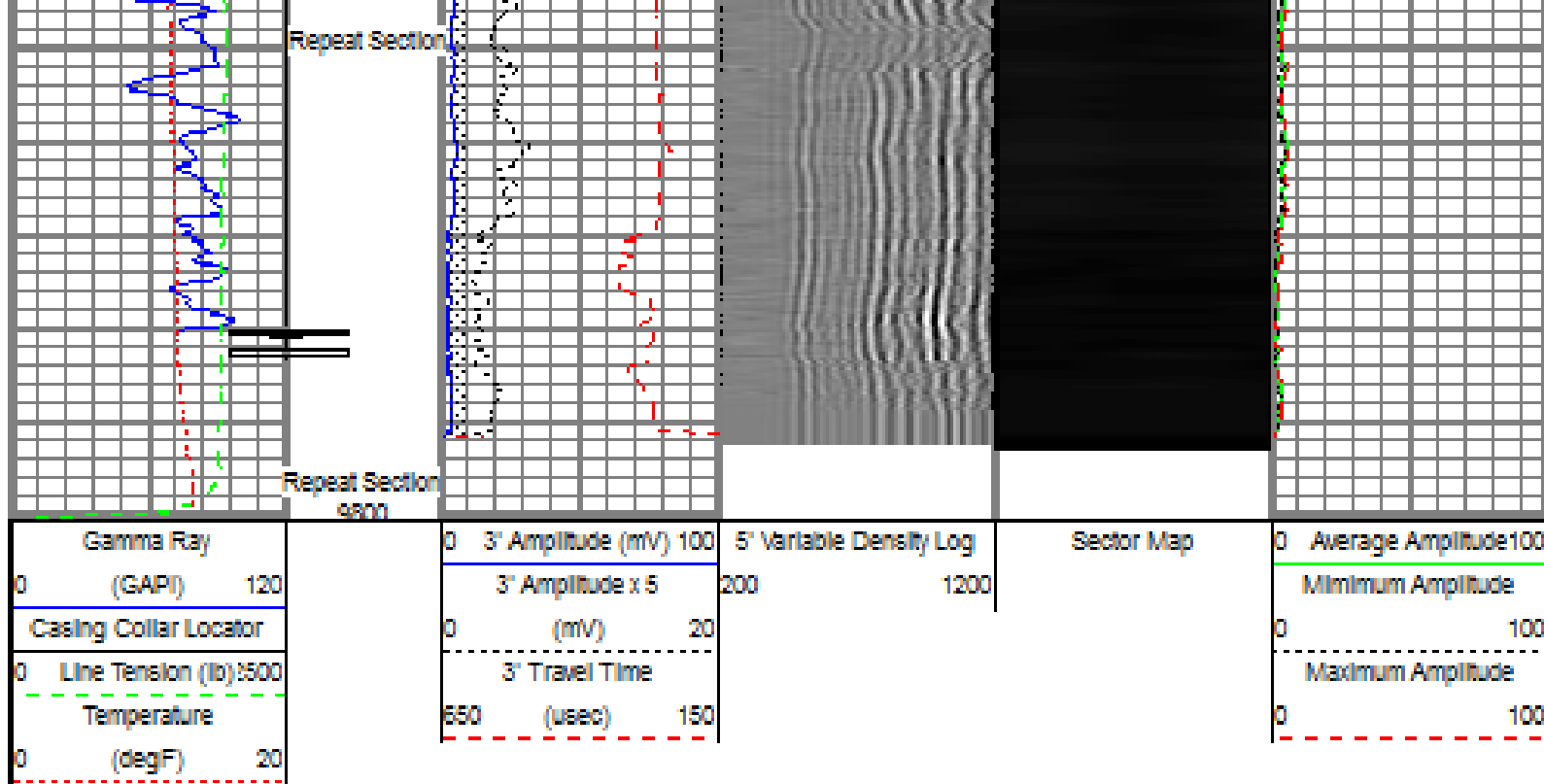




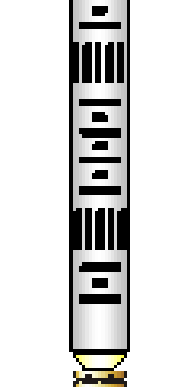
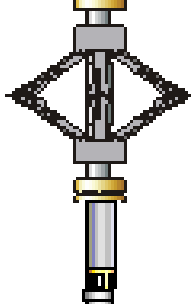
Database File: terra_youberg_ru 324-7.db
 Dataset Pathname: Repeat
 Presentation Format: ros_rbt004_sx
 Dataset Creation: Mon Feb 06 19:02:57 2017
 Charted by: Depth in Feet scaled 1:240

Gamma Ray	0 3' Amplitude (mV) 100	5' Variable Density Log	Sector Map	0 Average Amplitude 100
(GAPI) 120	3' Amplitude x 5	200 1200		Minimum Amplitude
Casing Collar Locator	0 (mV) 20			0 100
Line Tension (lb) 1500	3' Travel Time			Maximum Amplitude
Temperature	650 (used) 150			0 100
(degF) 20				





Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (In)	Weight (lb)	
GR	17.94		Titan_Electric_Cable_Heads-Titan_1-11/16" Electric Cable Head with 1" Fishing Neck	1.03	1.69	5.40	
			UW_AGS-UW_AGS_001 (219135) Sondac Adapter - GC Slot To Sondac Pin	0.21	1.69	1.00	
			UW_XTU-UW_XTU_002 (211461) Crossover Ultrawire Toolbus to Ultralink	1.58	1.69	6.50	
			UW_PGR-UW_PGR_020 (10019072) Production Gamma Ray	1.92	1.69	9.50	
CCL	16.34		UW_CCL-UW_CCL_028 (10026417) 3-1/2" Ultrawire Casing Collar Locator	1.61	3.13	36.00	
			DSS_RAC-RAC_5-Arm 5 Arm 3-3/4" Roller Calculator	2.55	2.75	32.00	
CBLROT	8.94			UW_RBT-UW_RBT_004 (10025161) Sondac Ultrawire 3-1/2" Radial Bond Tool	9.48	3.13	140.00
CBLTEMP	8.94						

WVFS8	8.94					
WVFS7	8.94					
WVFS6	8.94					
WVFS5	8.94					
WVFS4	8.94					
WVFS3	8.94					
WVFS2	8.94					
WVFS1	8.94					
WVF3FT	8.94					
WVF5FT	7.94					
CBLTEMP	3.81					
			DSS_RAC-RAC_5-Arm 5 Arm 2-2 1/4" Roller Centralizer	2.55	2.75	32.00
			UW_PRT-PRT_016 (10025093) Platinum Resistance Thermometer	1.04	1.69	5.20
			UW_BUL-UW_BUL_006 (031422) Sondex Ultravine Bulbless Terminator	0.22	1.69	1.20
			TEMP	0.37		
			HVOLTX	0.00		
ITEMPX	0.00					
TSTAMP	0.00					

Dataset: terra_youberg_ru_324-7.db: field/well/run1/Main
Total length: 22.19 ft
Total weight: 268.80 lb
O.D.: 3.13 in



Company	TEP ROCKY Mountain LLC	
Well	YOUNBERG #RU 324-7	
Field	Rulison	
County	Garfield	
State	Colorado	Country