



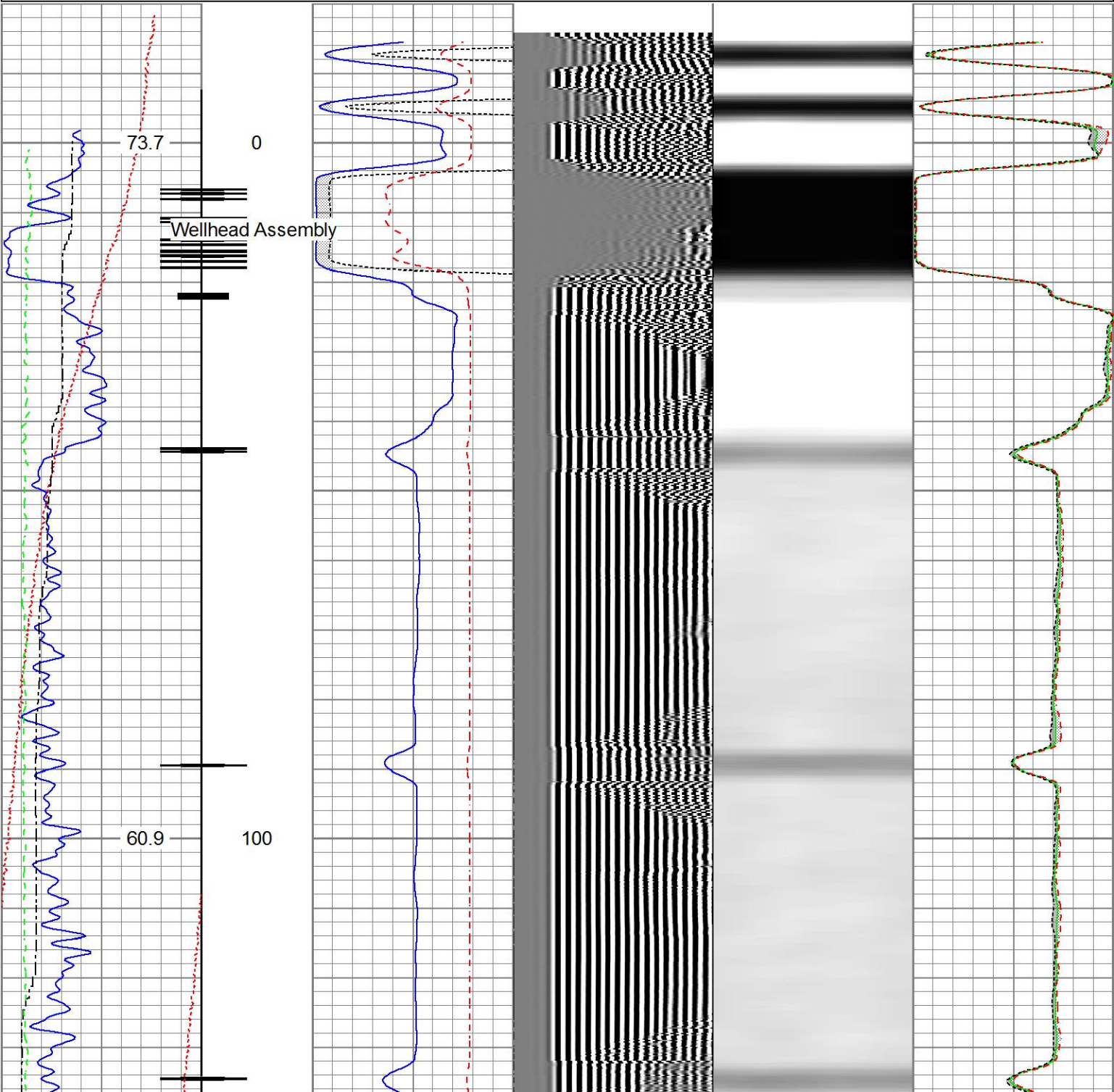
<<< Fold Here >>>

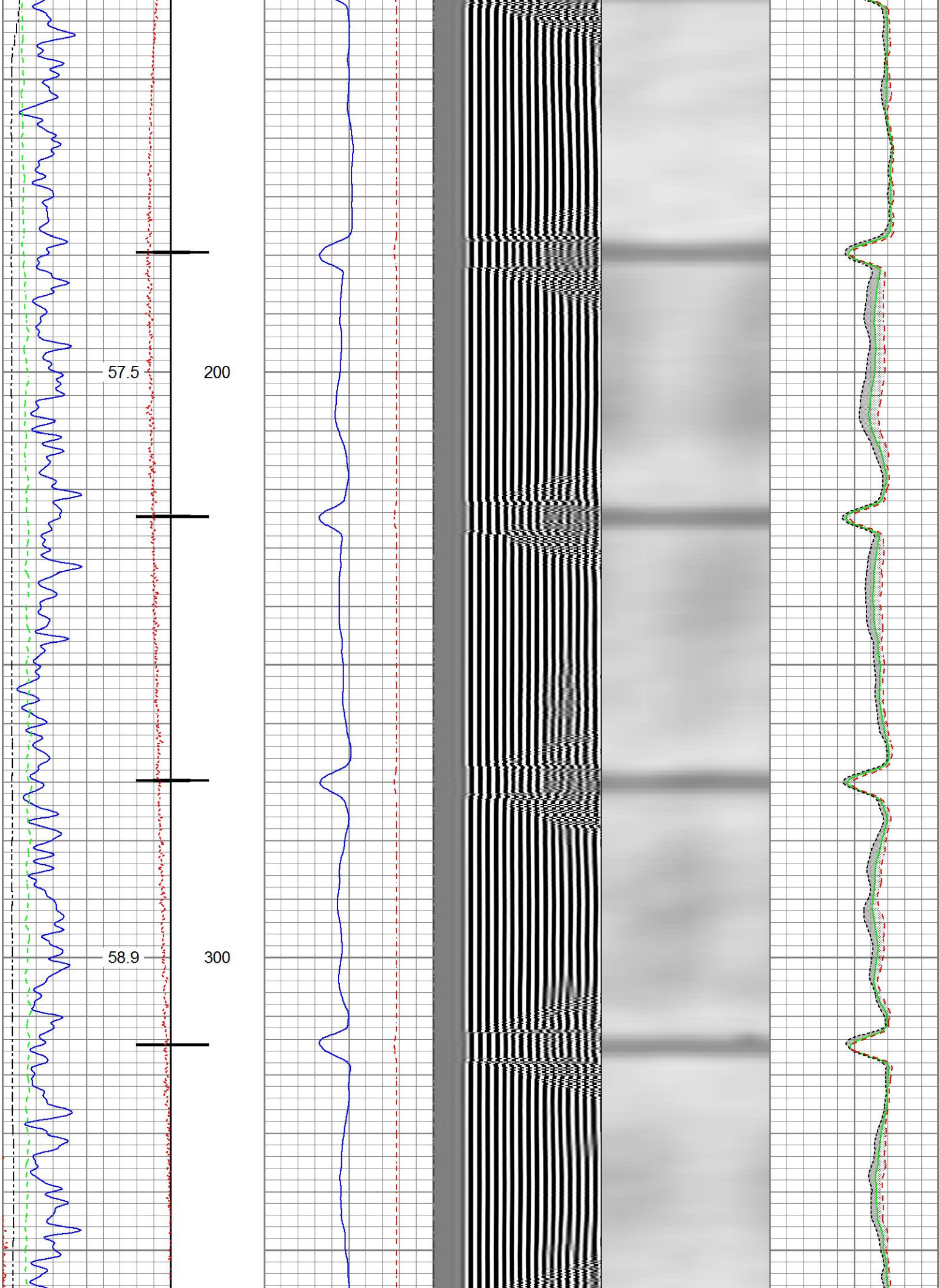
Comments

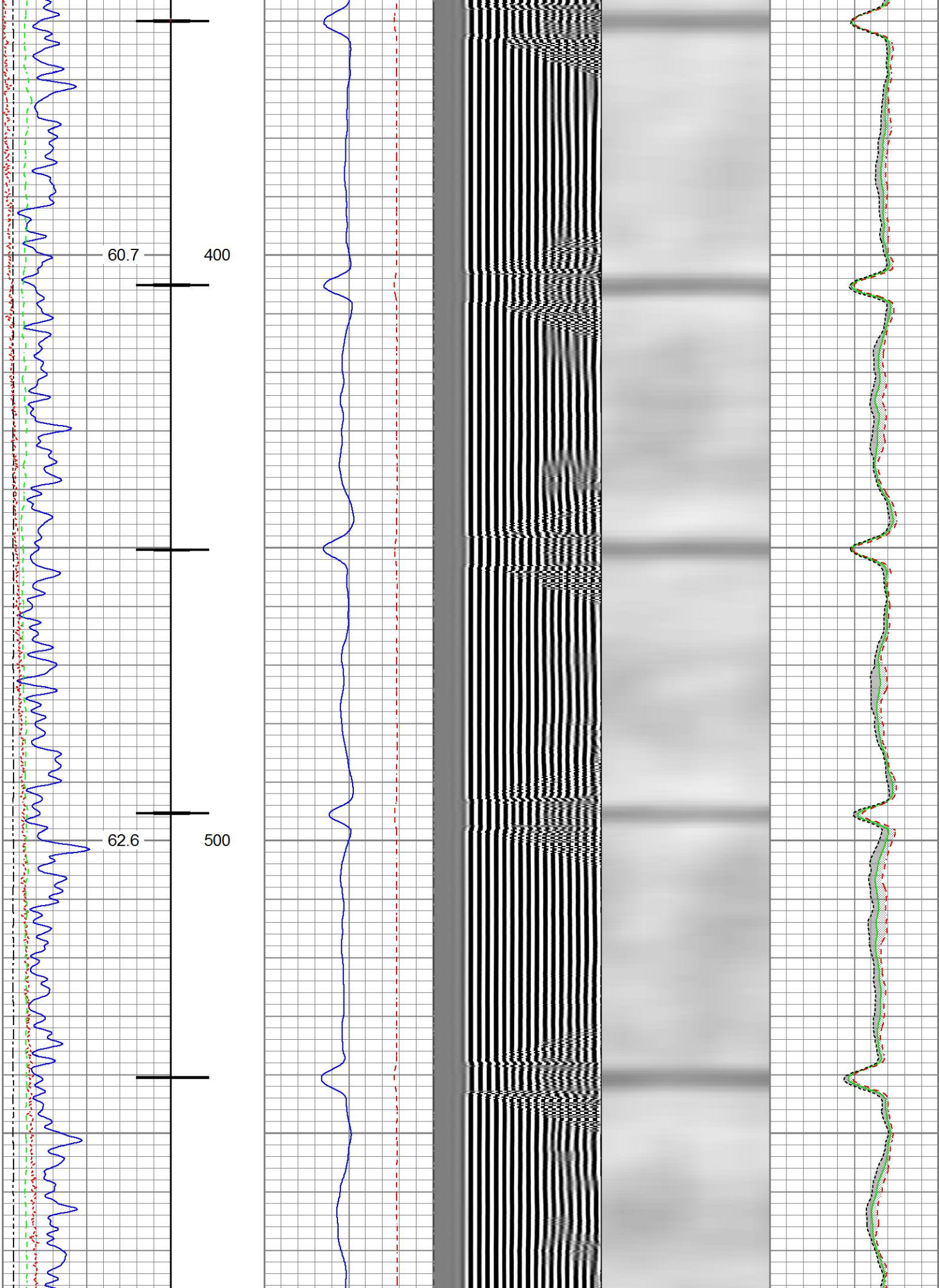


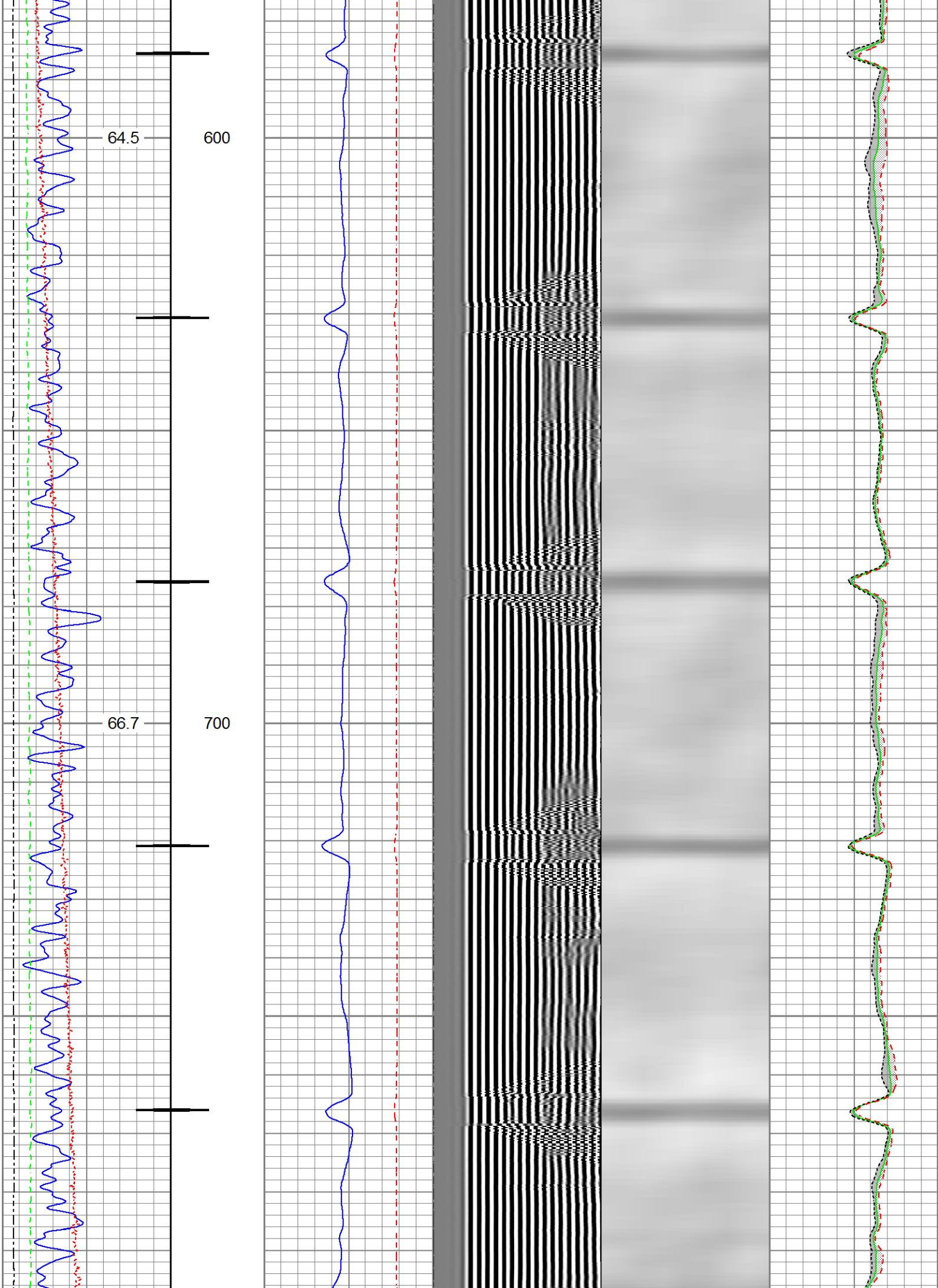
Recorded With 2800 PSI Surface Induced Pressure

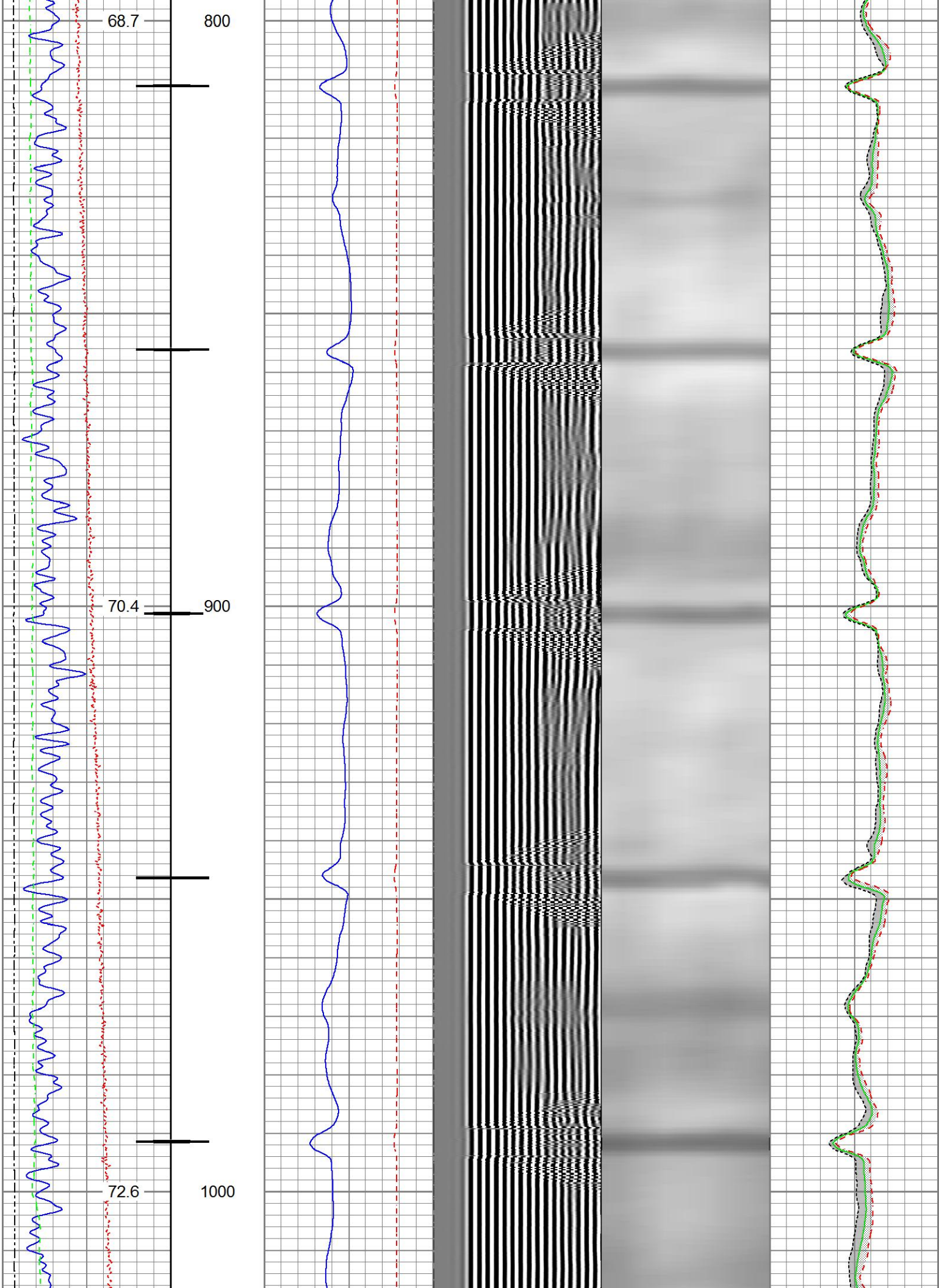
Gamma Ray			3' Amplitude			5' Variable Density Log		Sector Map	Average Amplitude	
0	(GAPI)	120	0	(mV)	100	200	1200		0	100
Casing Collar Locator			3' Amplitude x 5						Minimum Amplitude	
Temperature			0 (mV) 20						0 100	
0	(degF)	20	3' Travel Time						Maximum Amplitude	
Line Speed			650 (usec) 150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

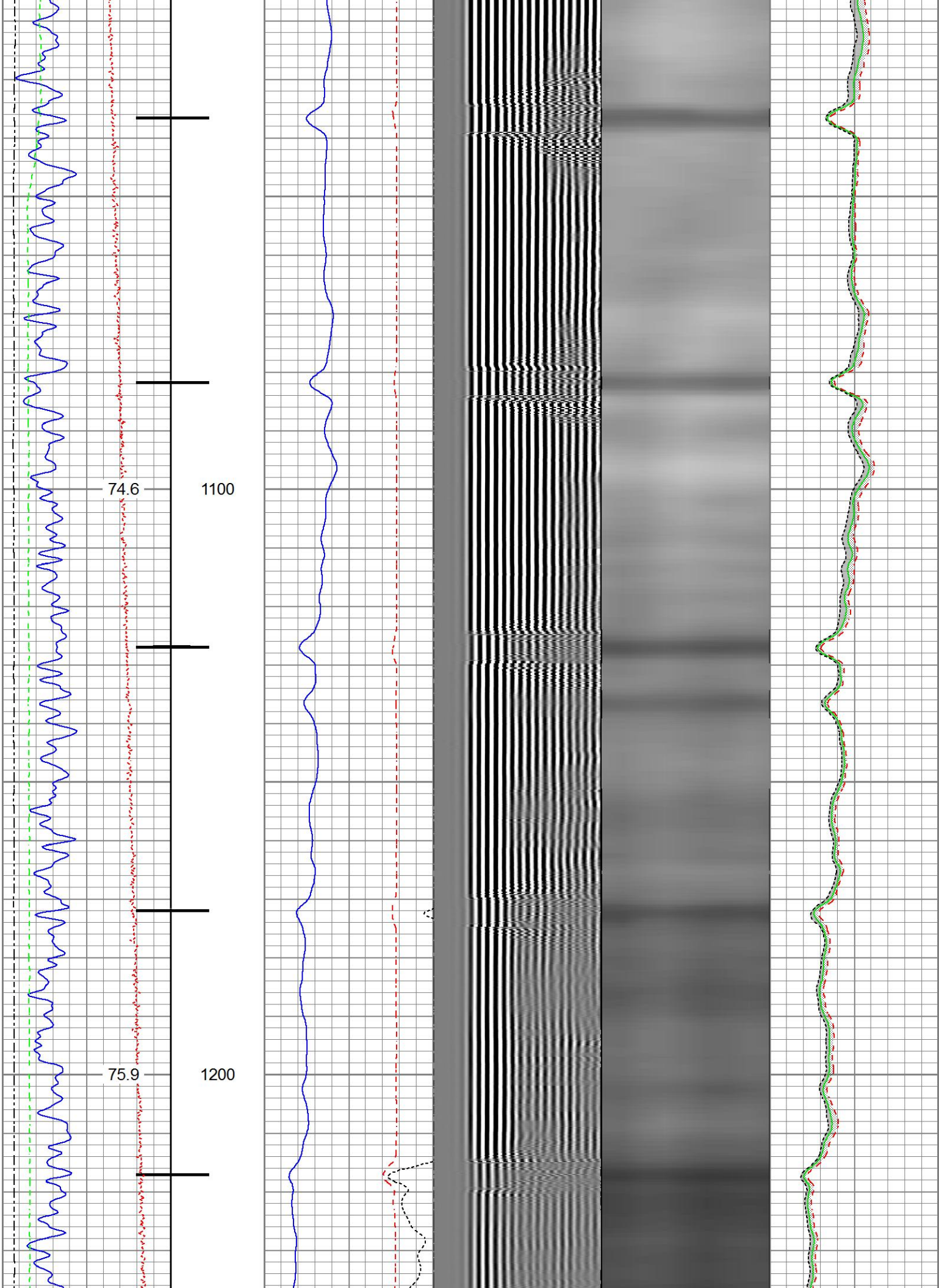


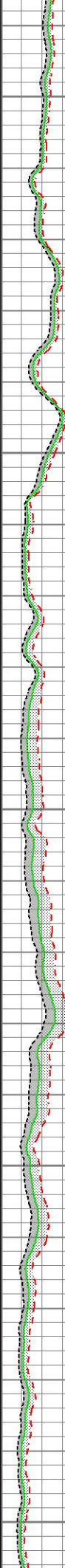
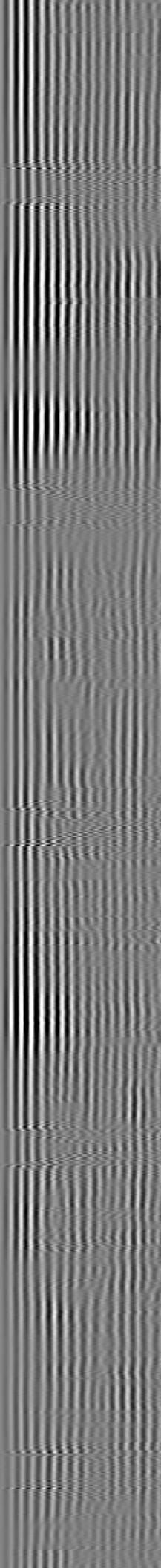
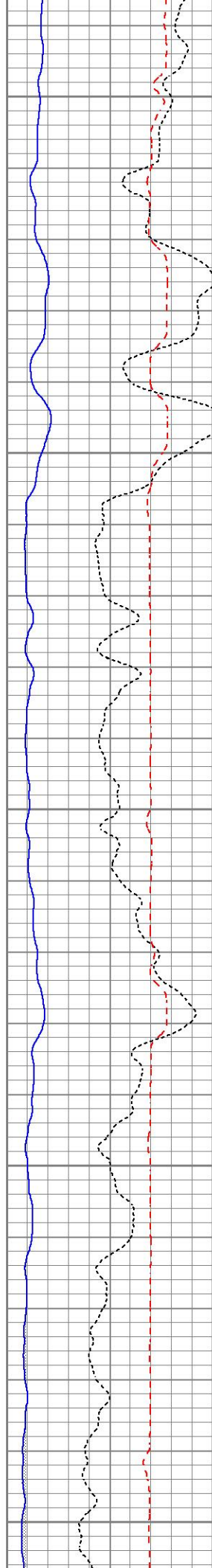
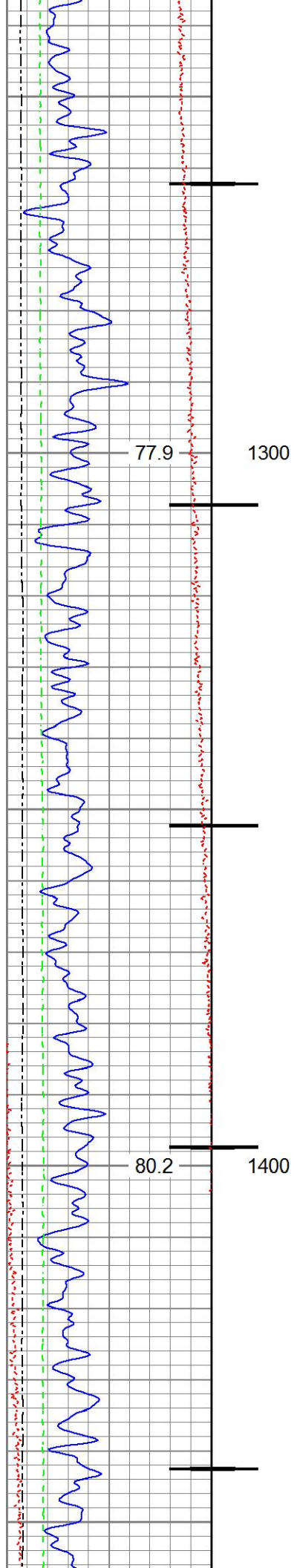


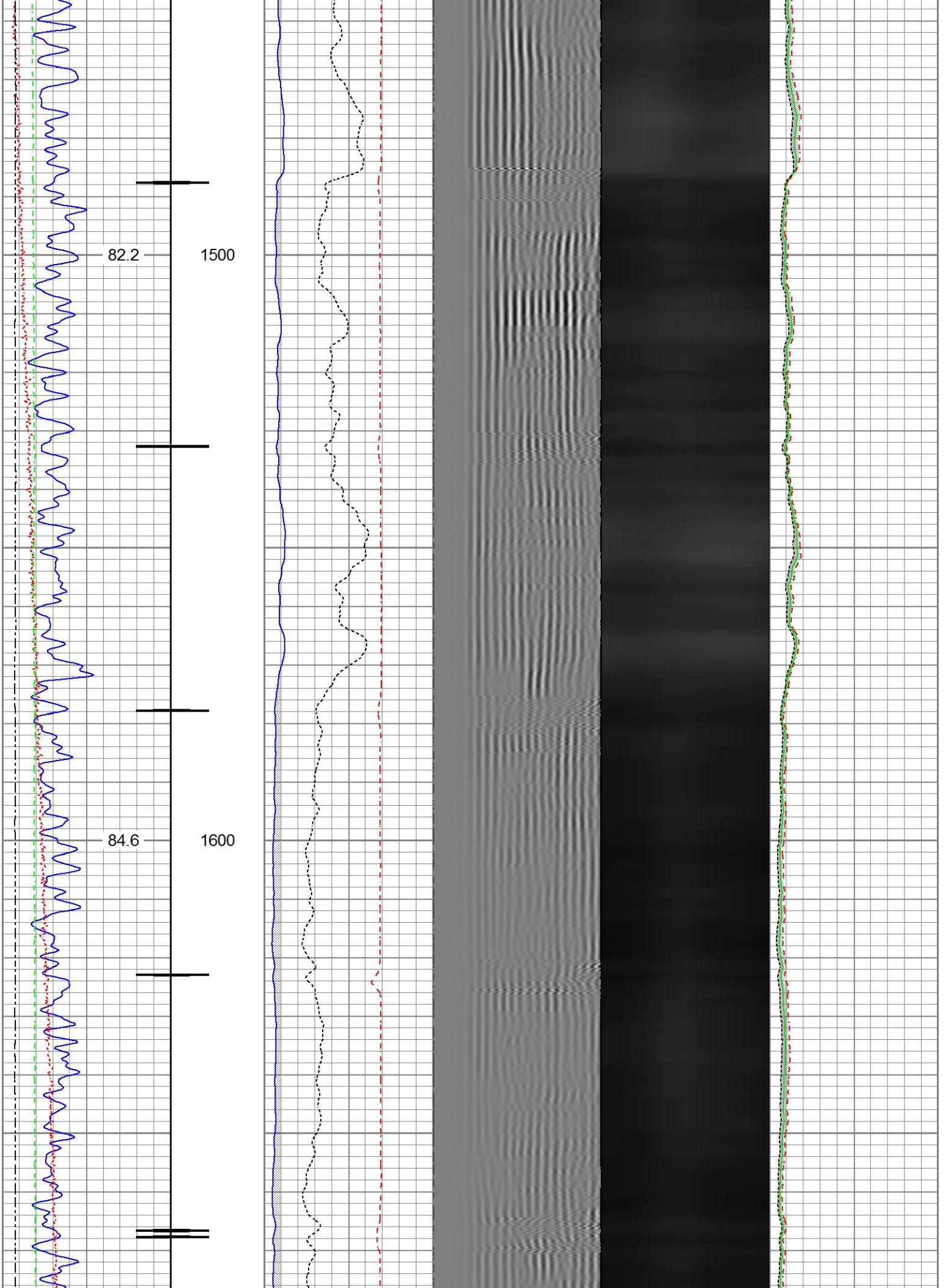


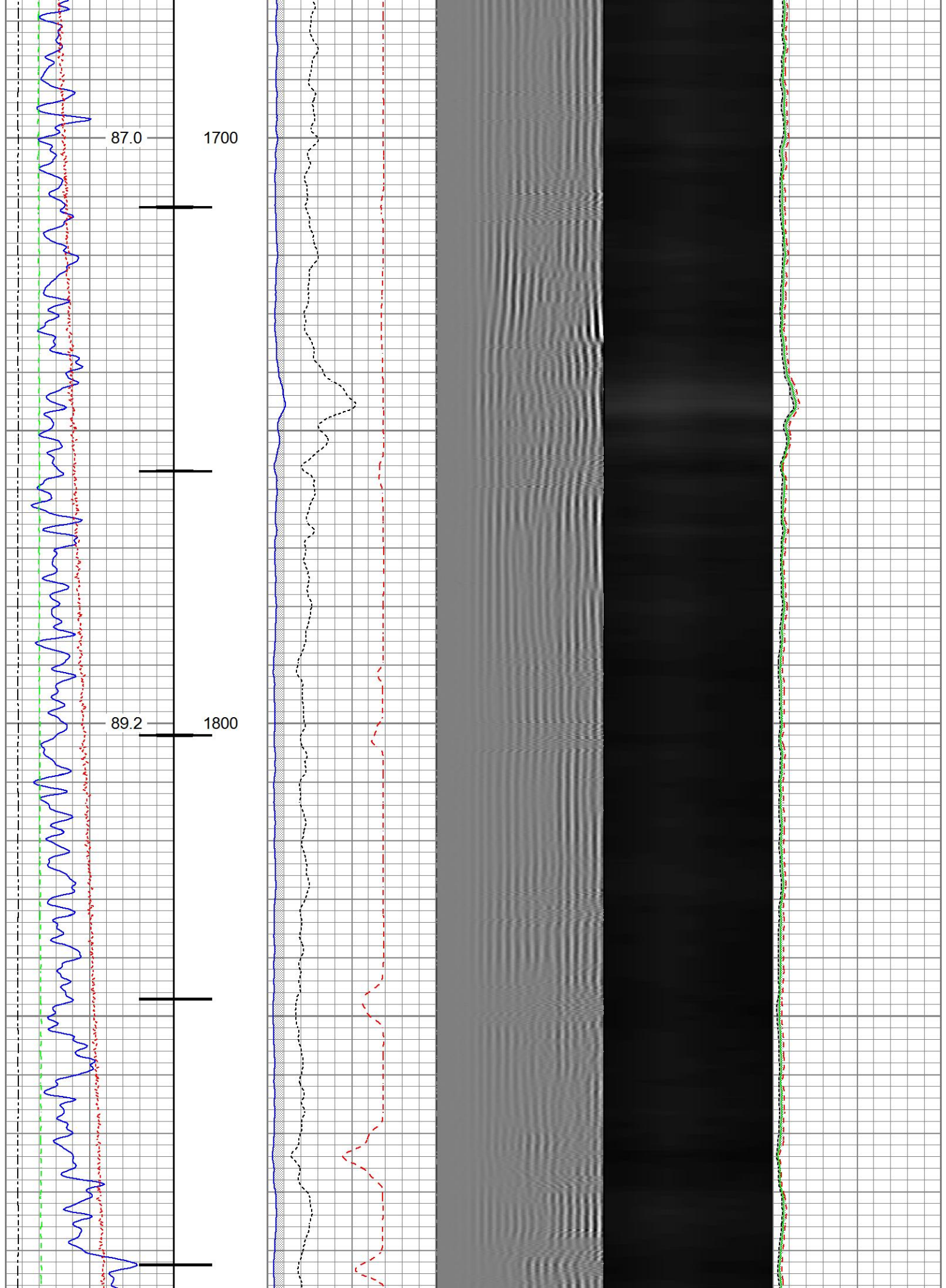


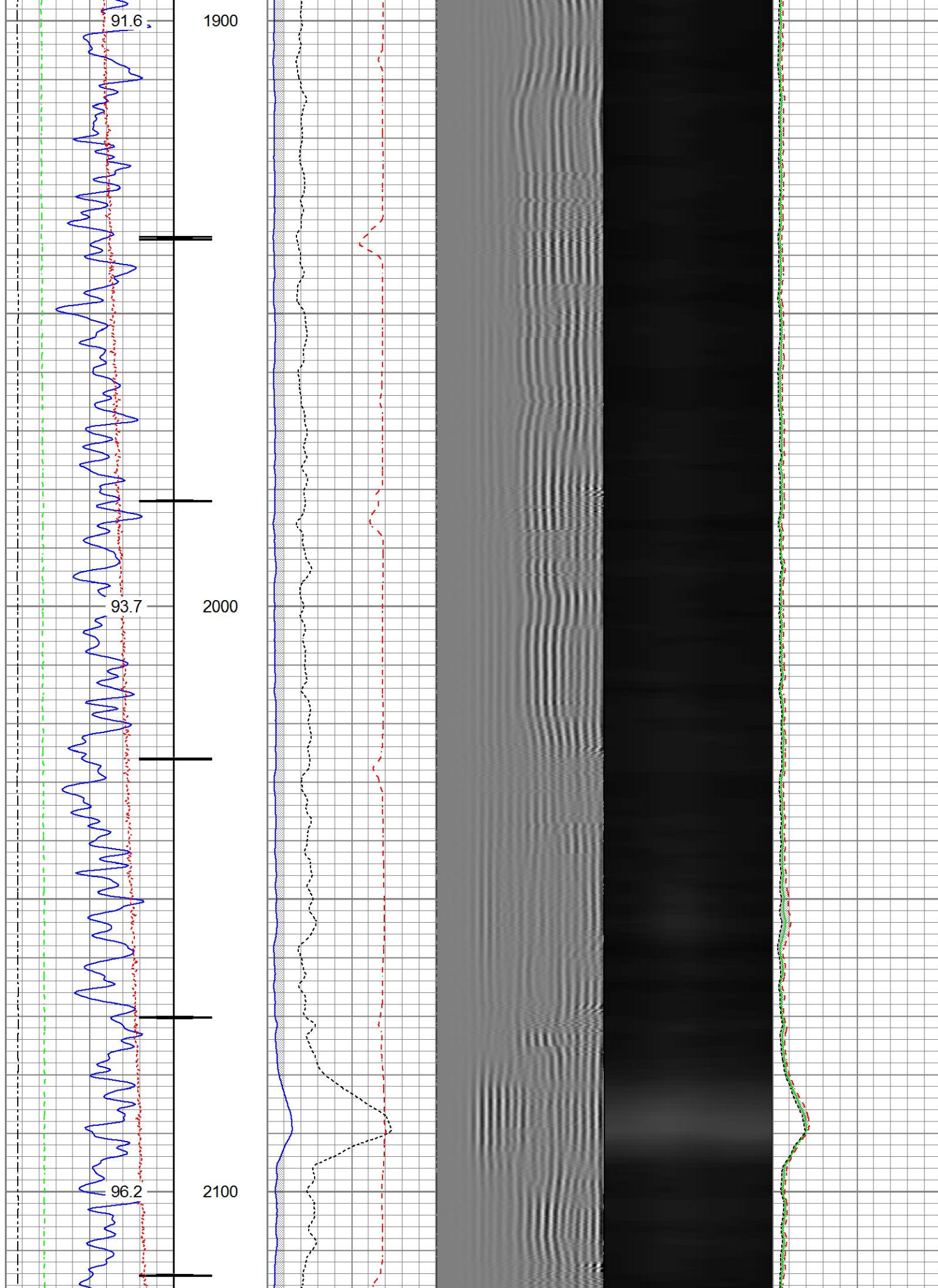


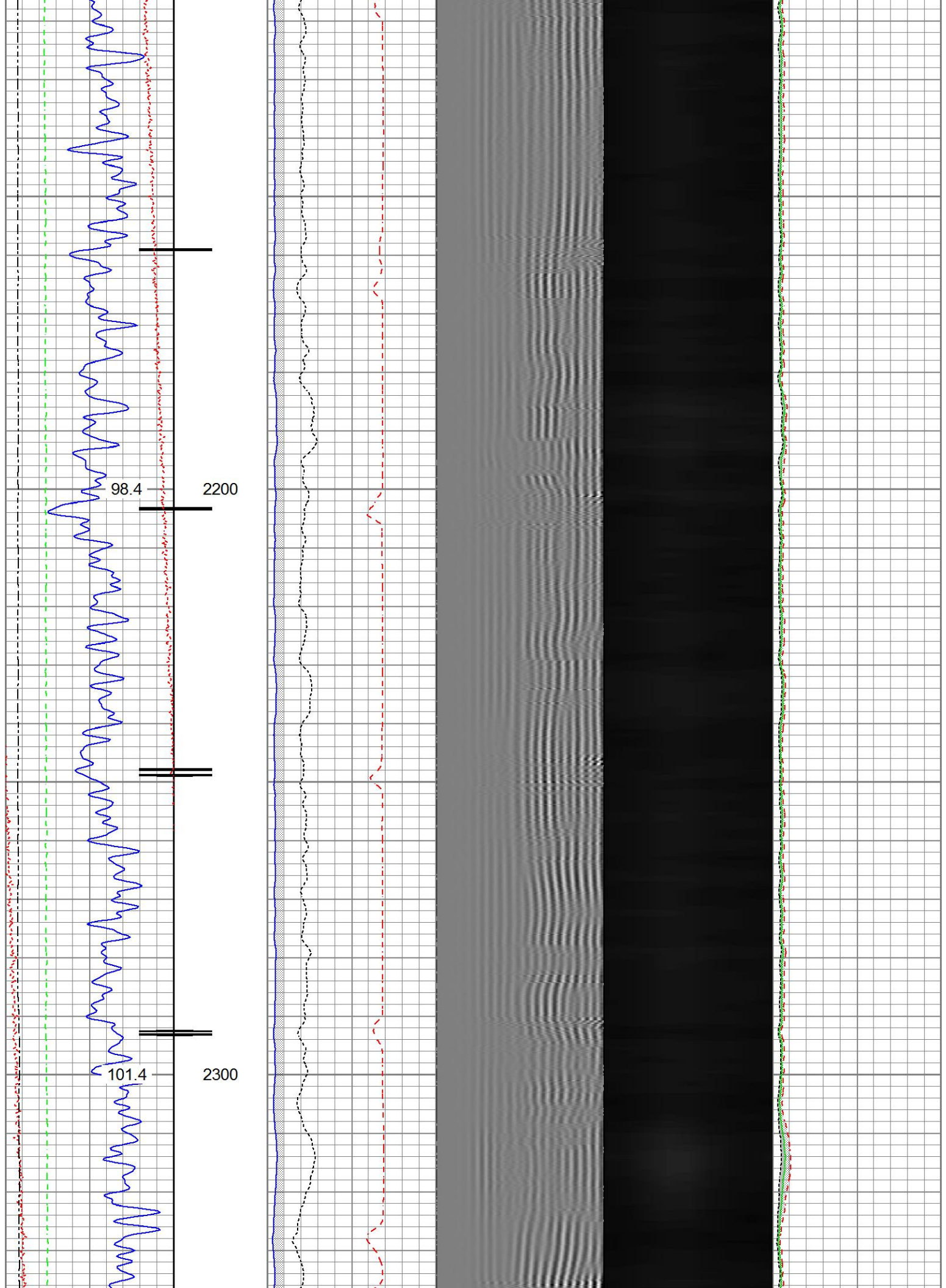


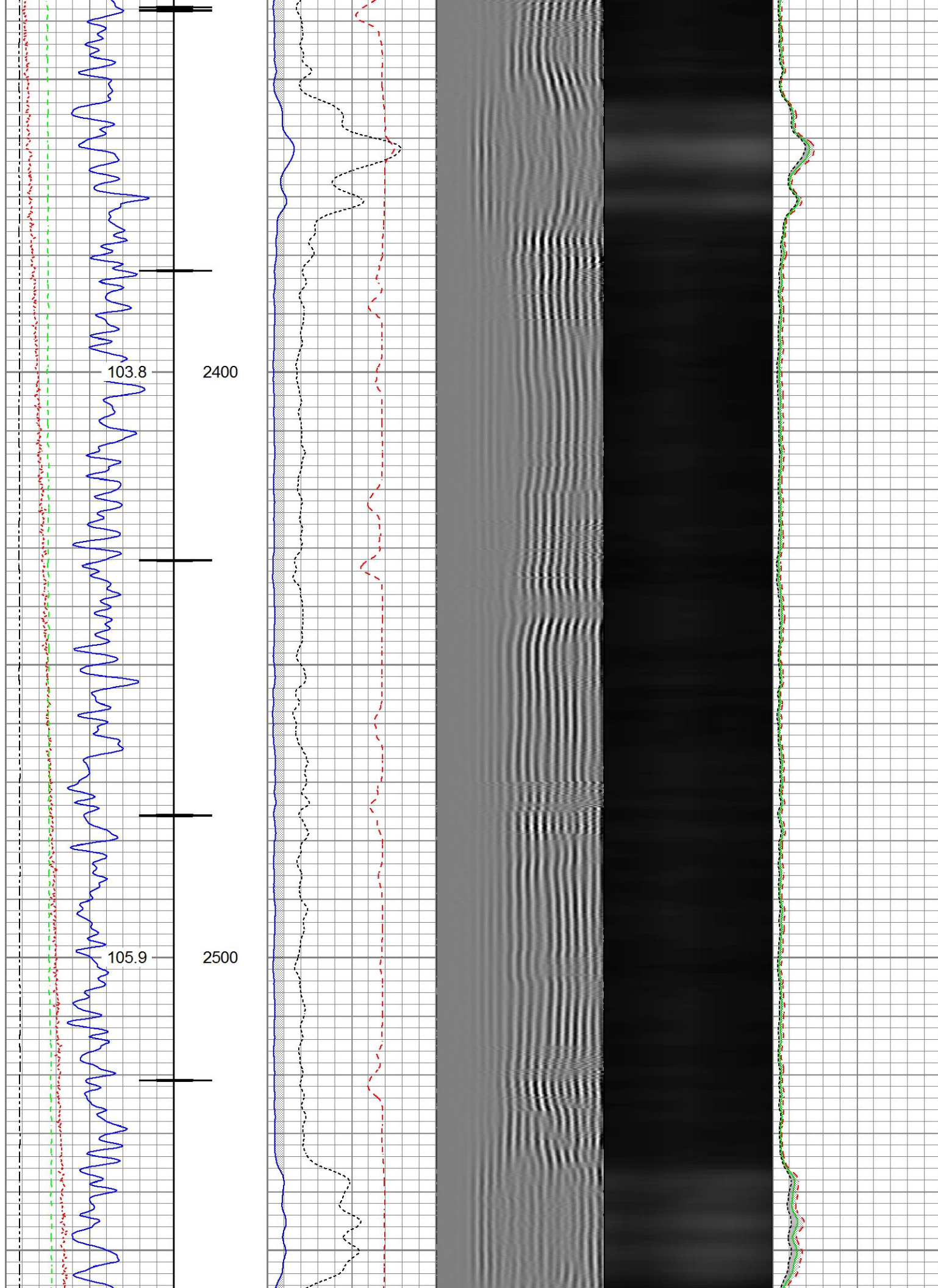


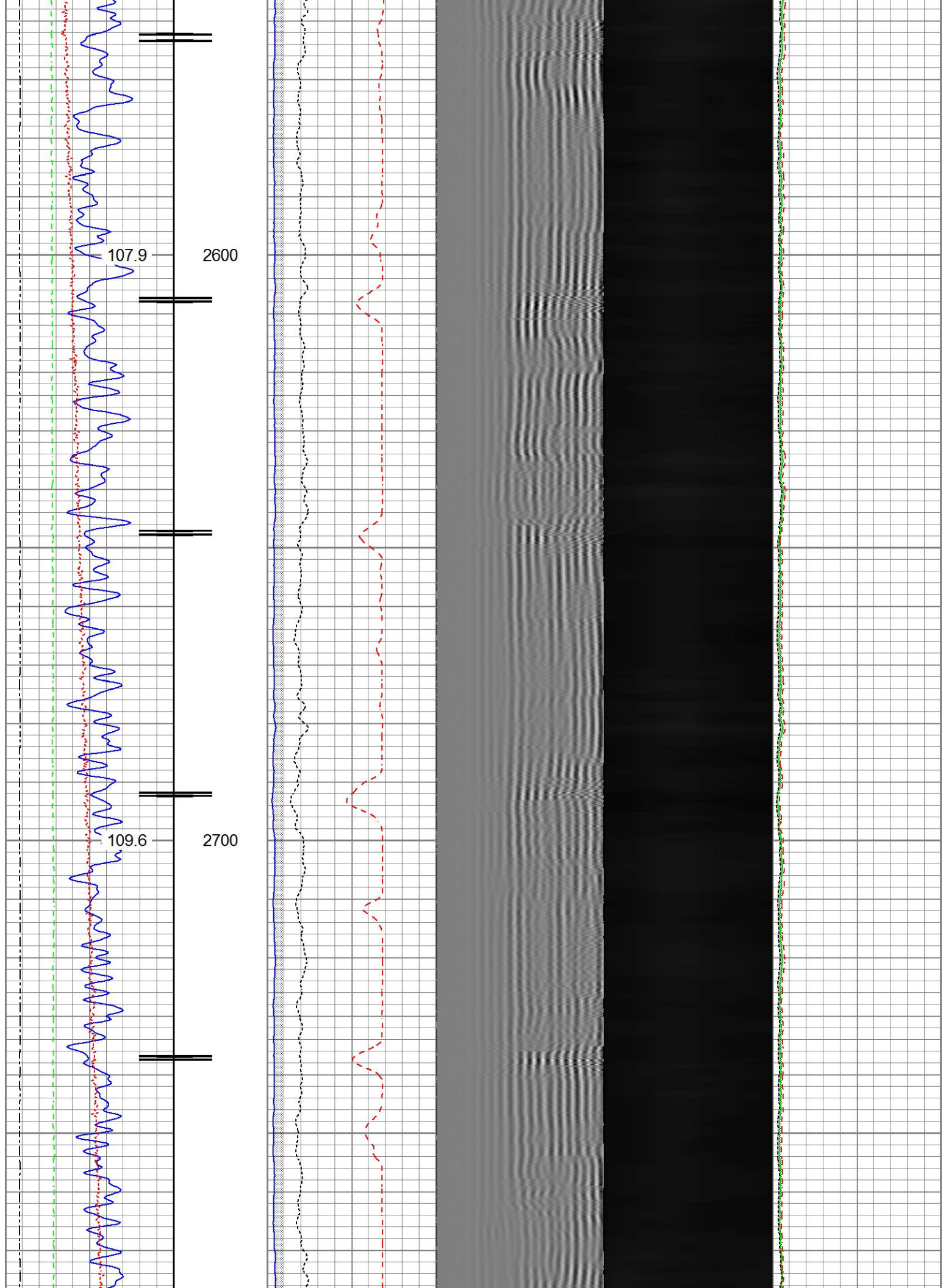


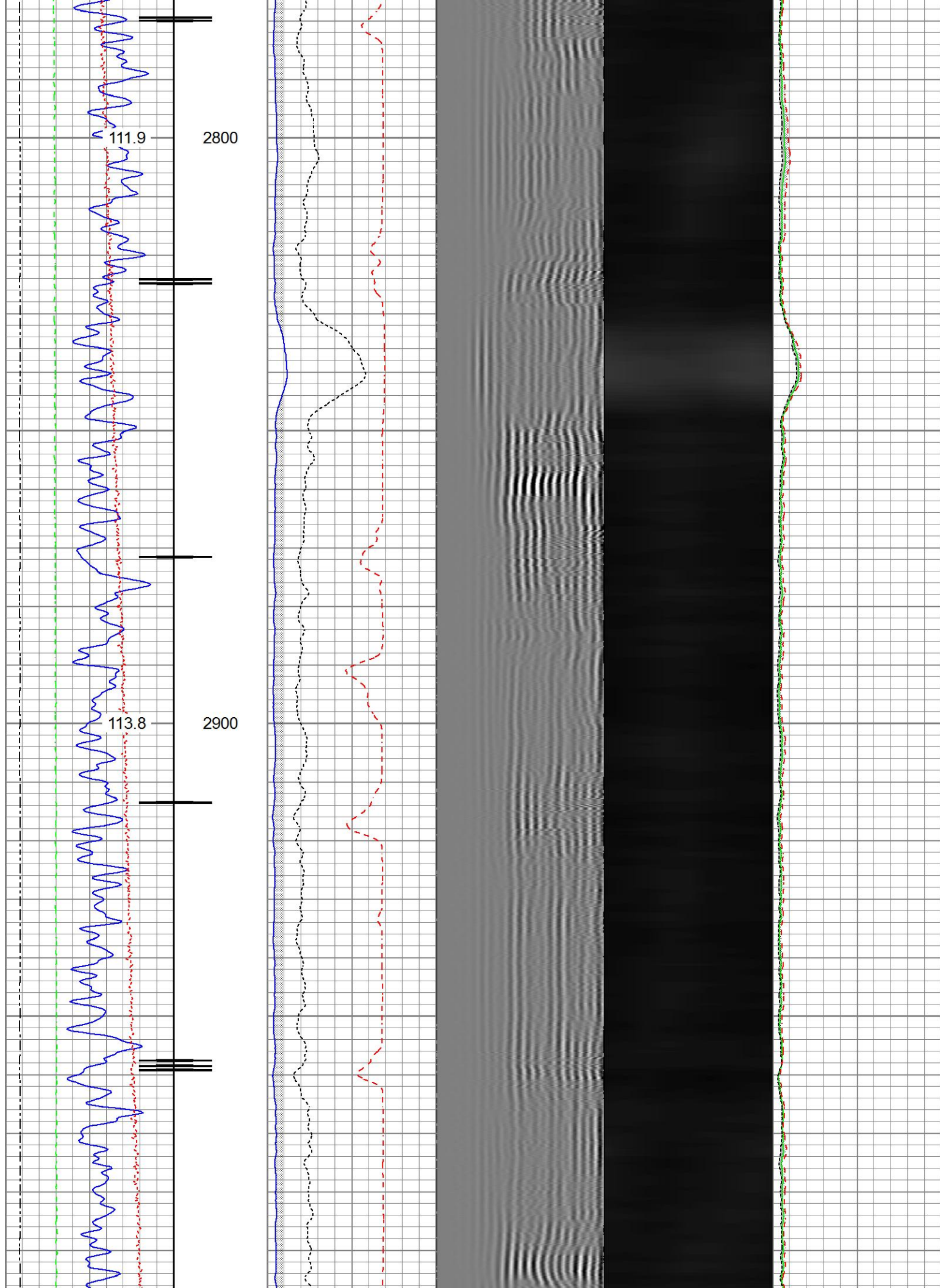


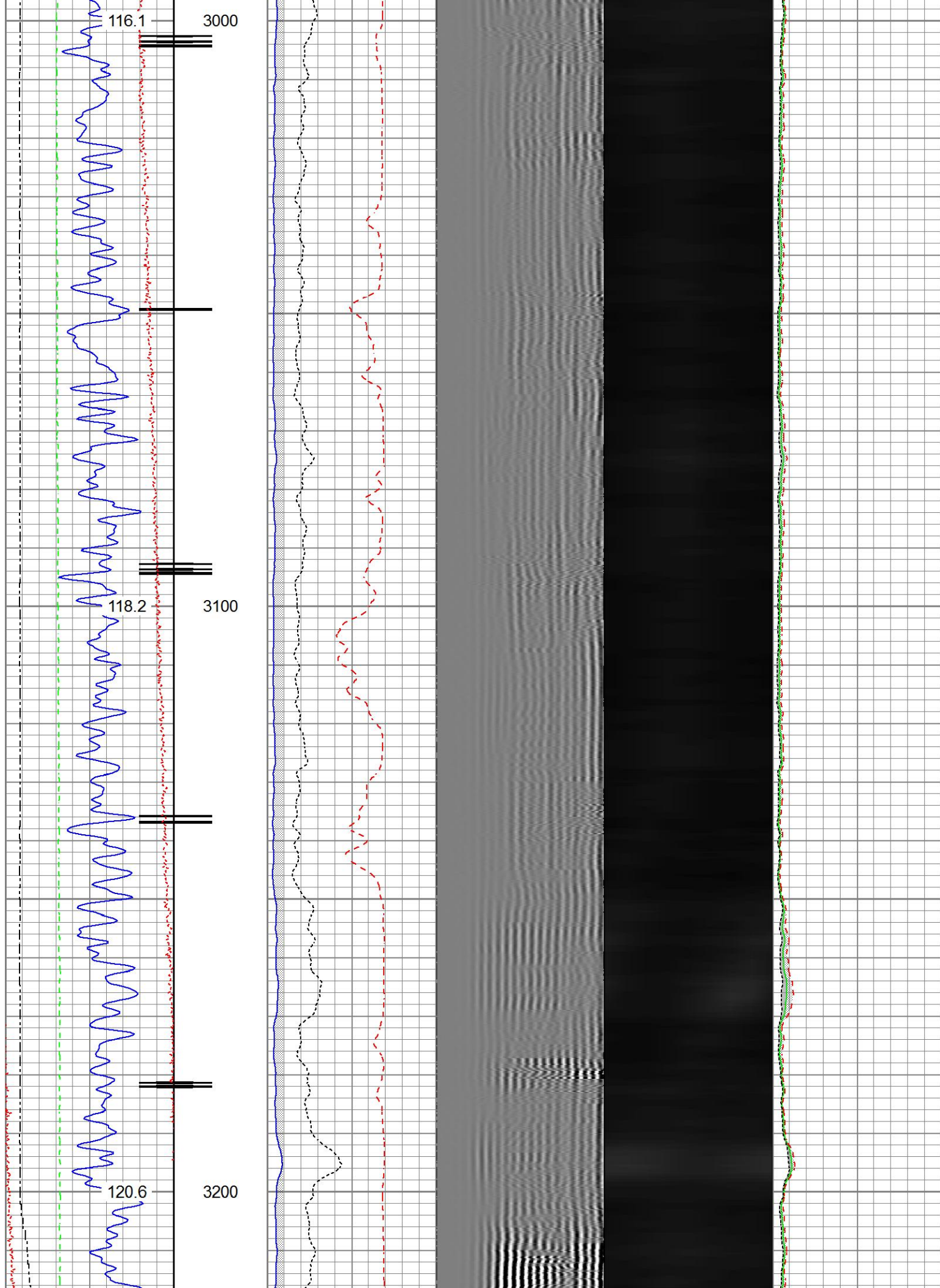


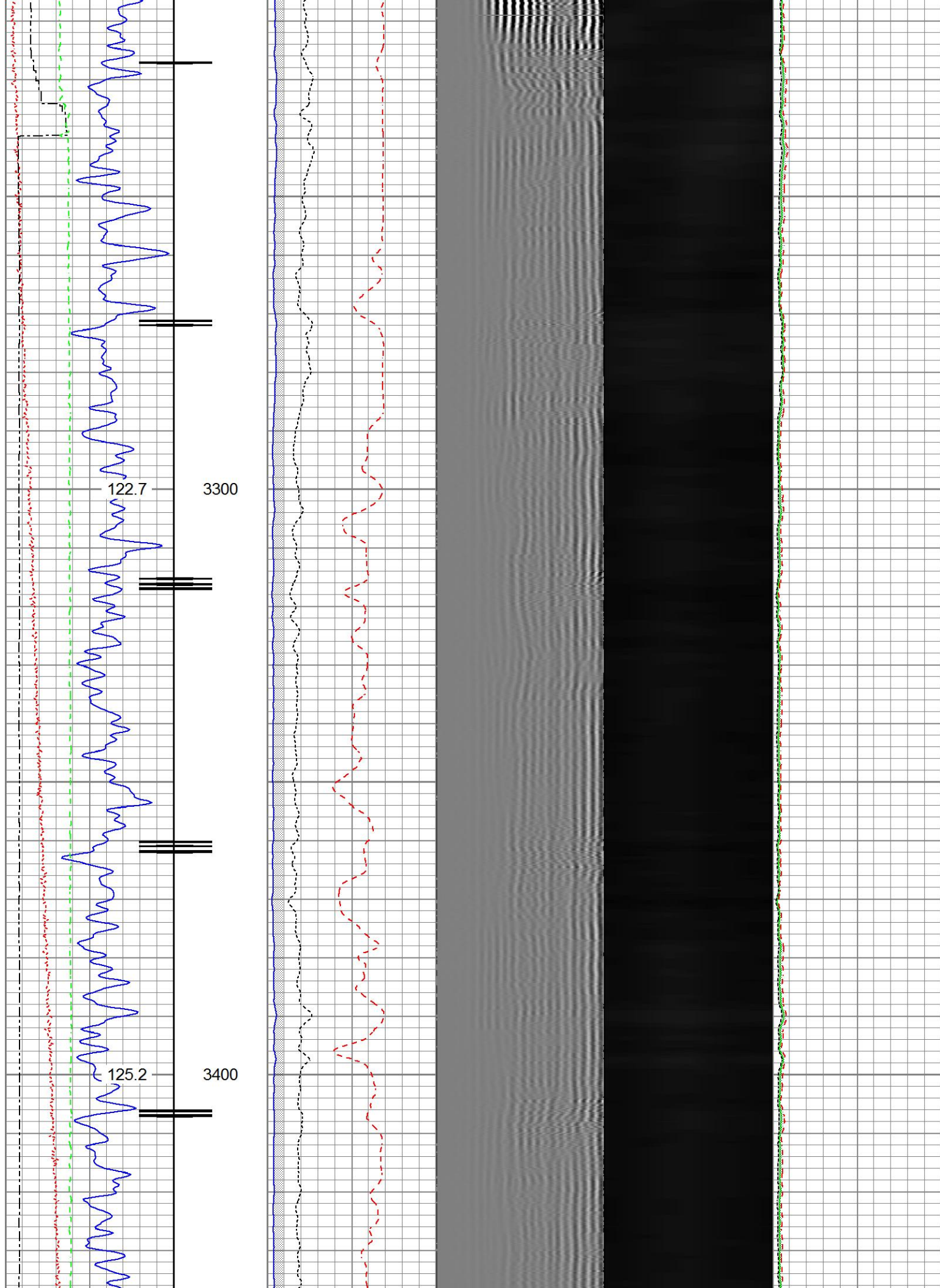


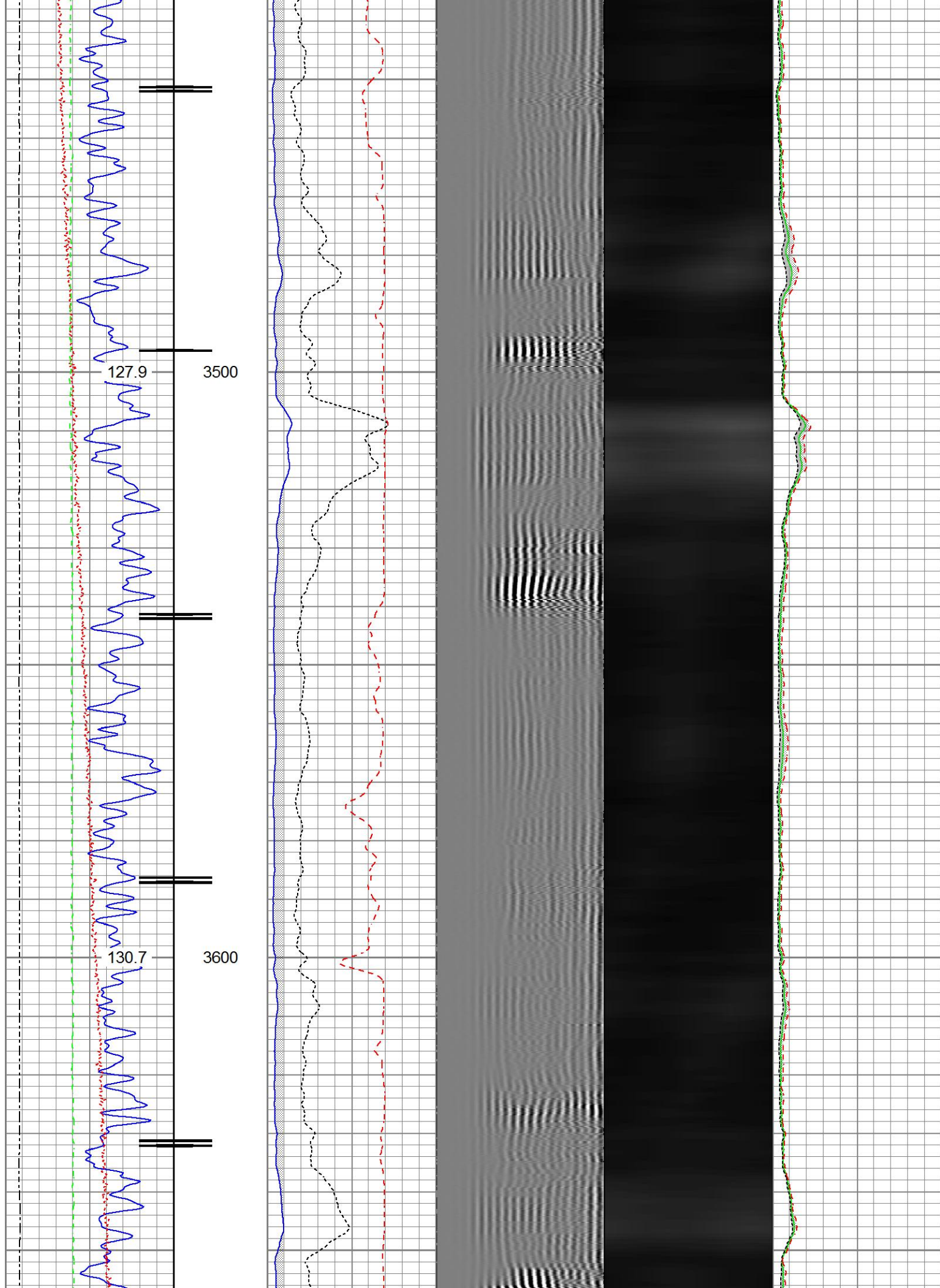


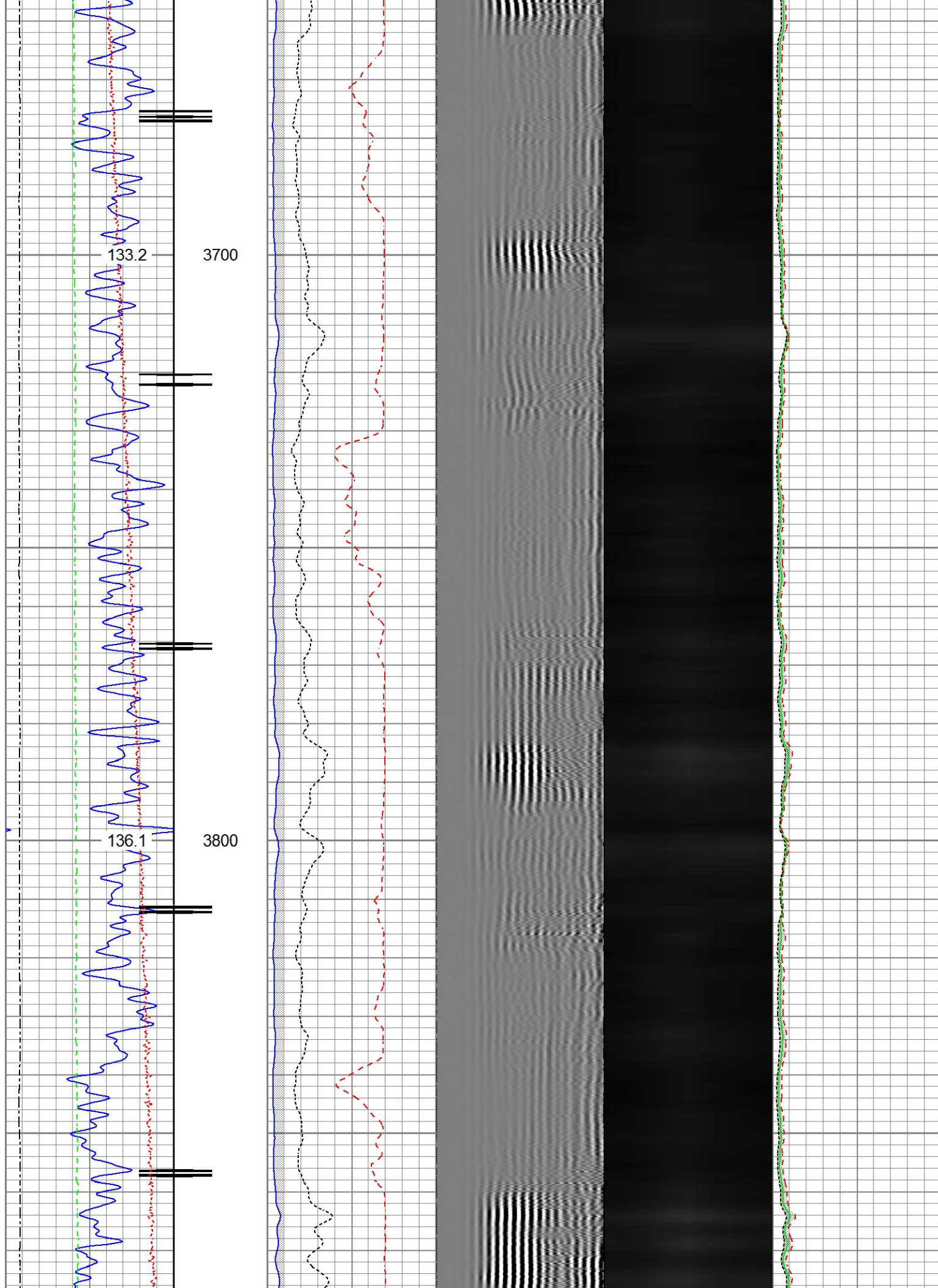


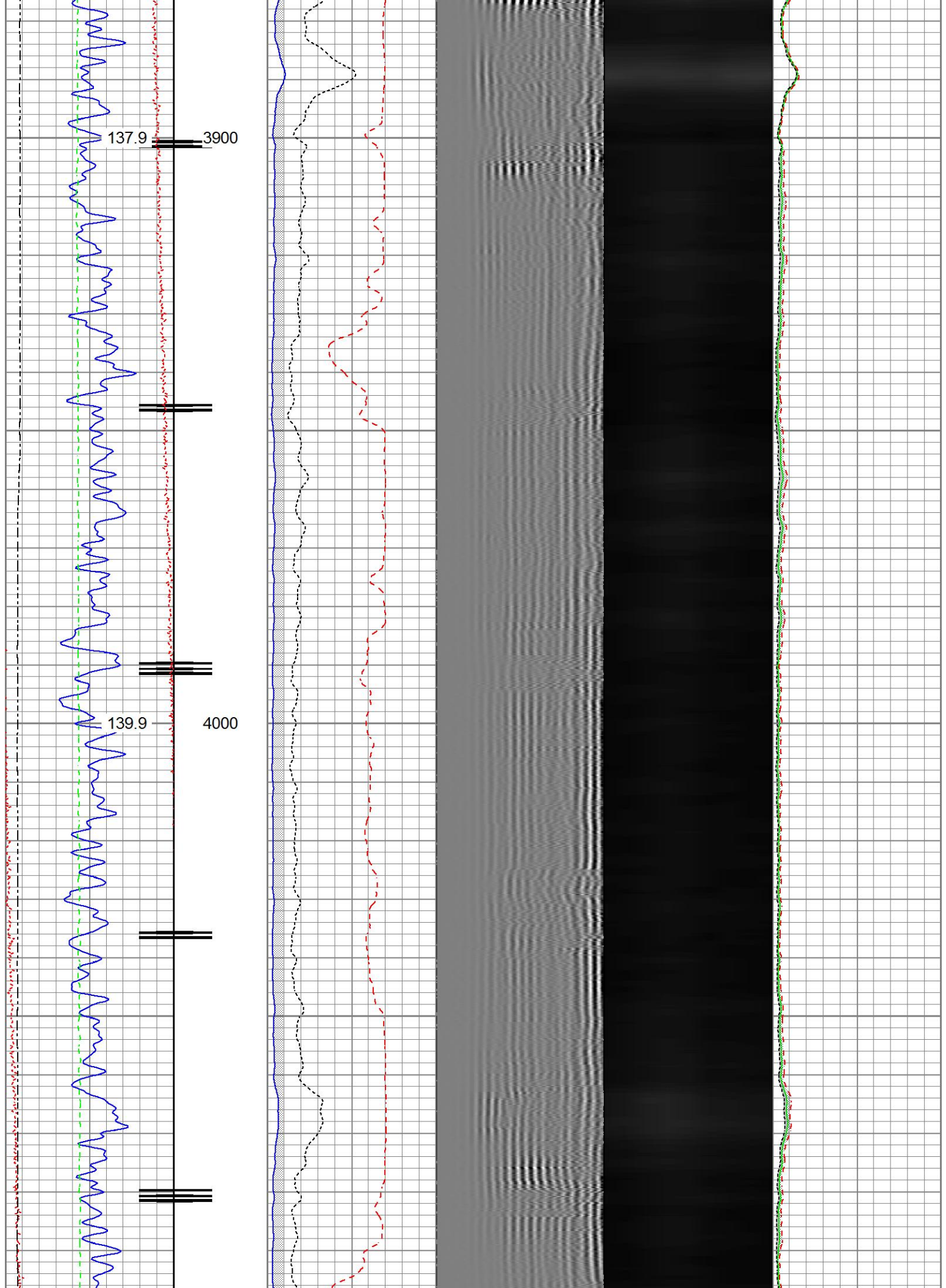


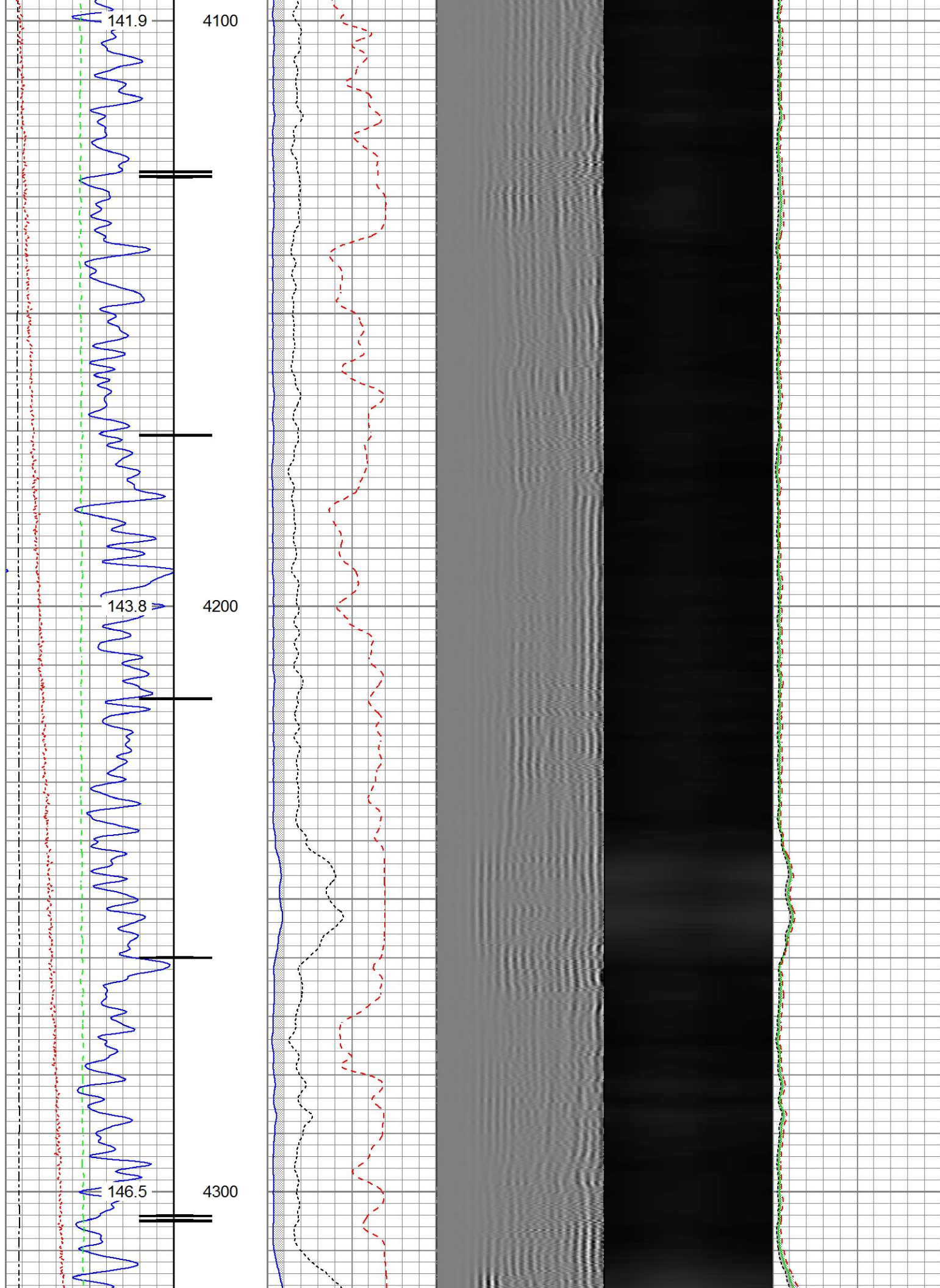


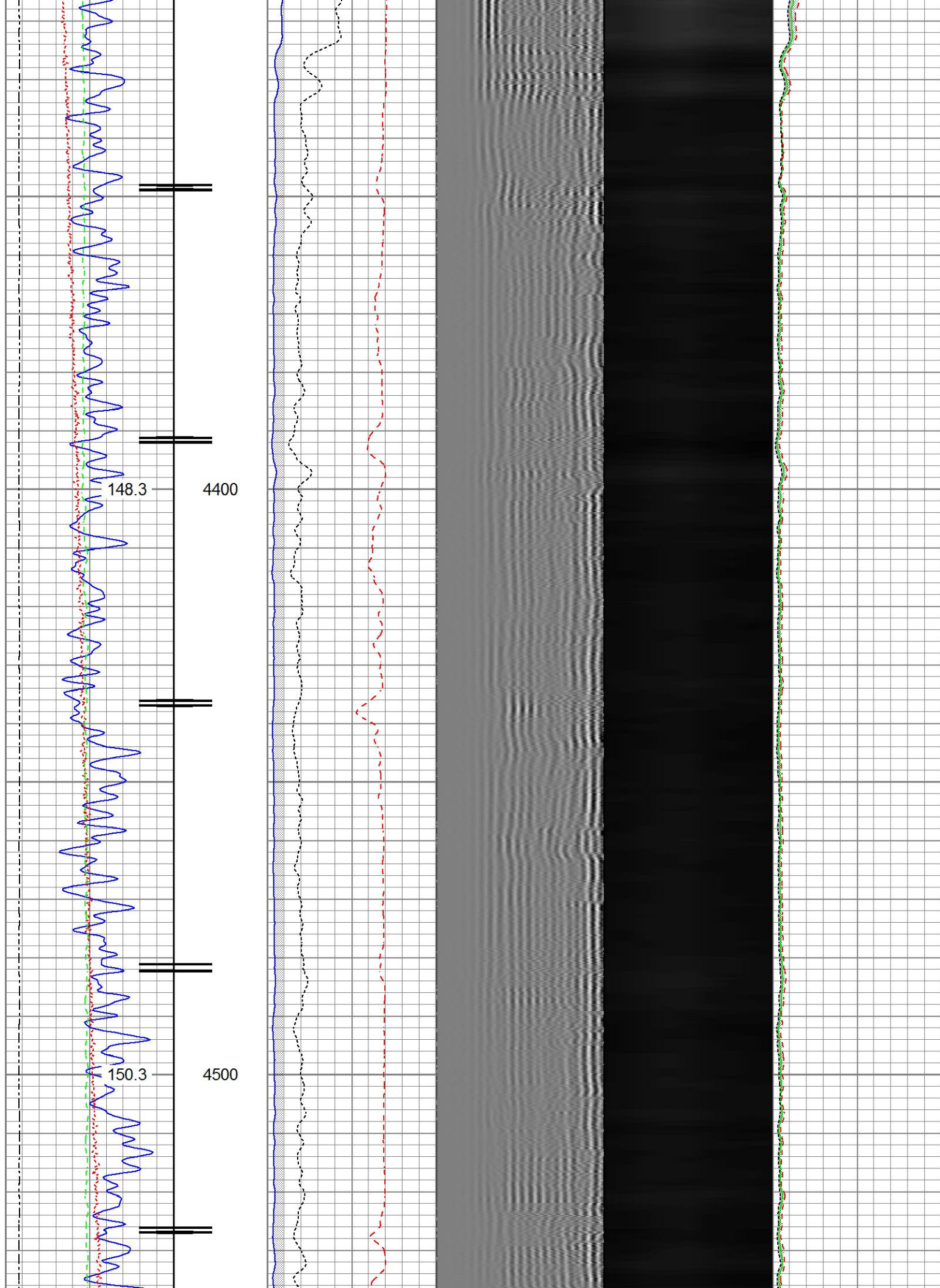


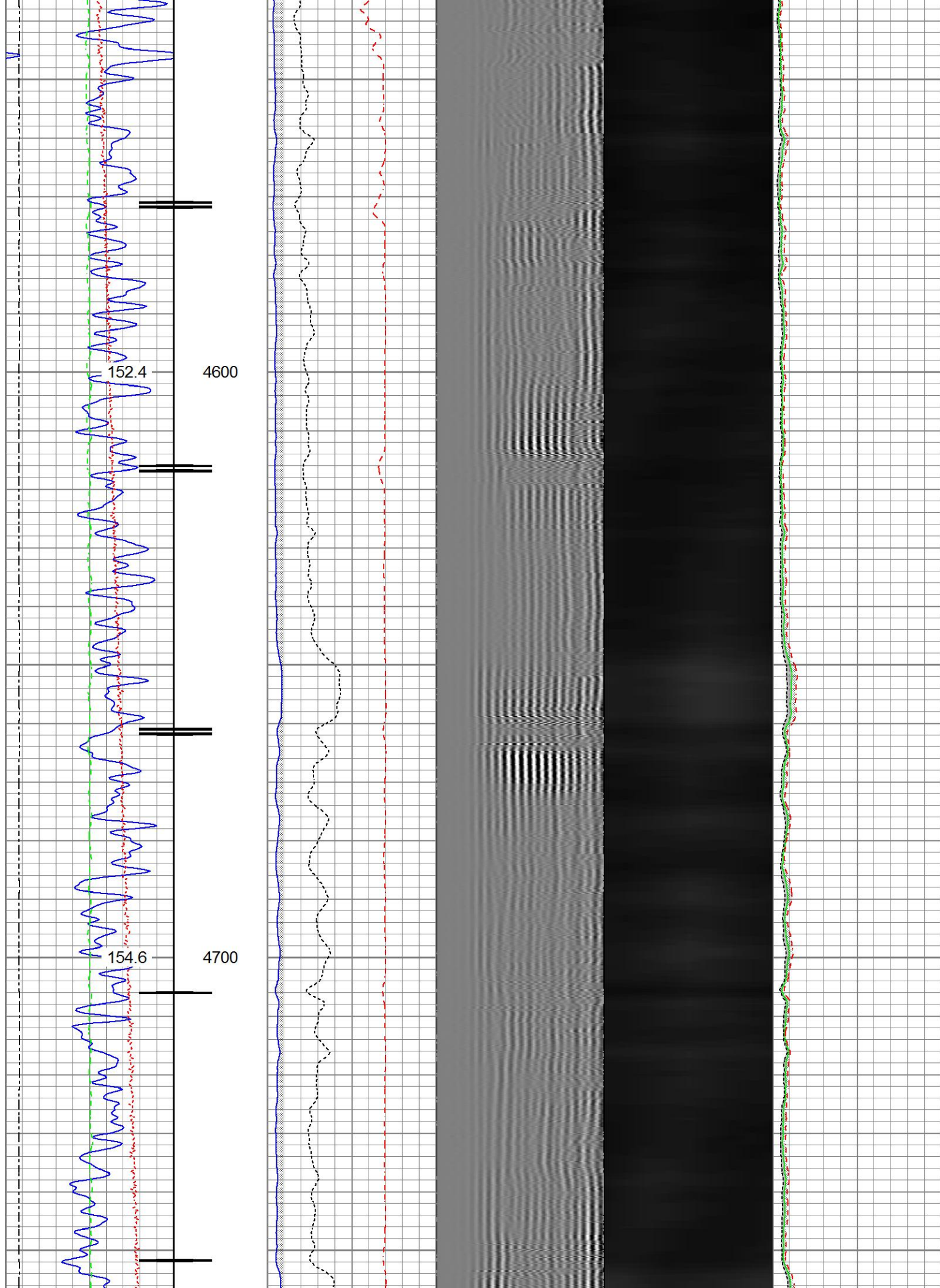


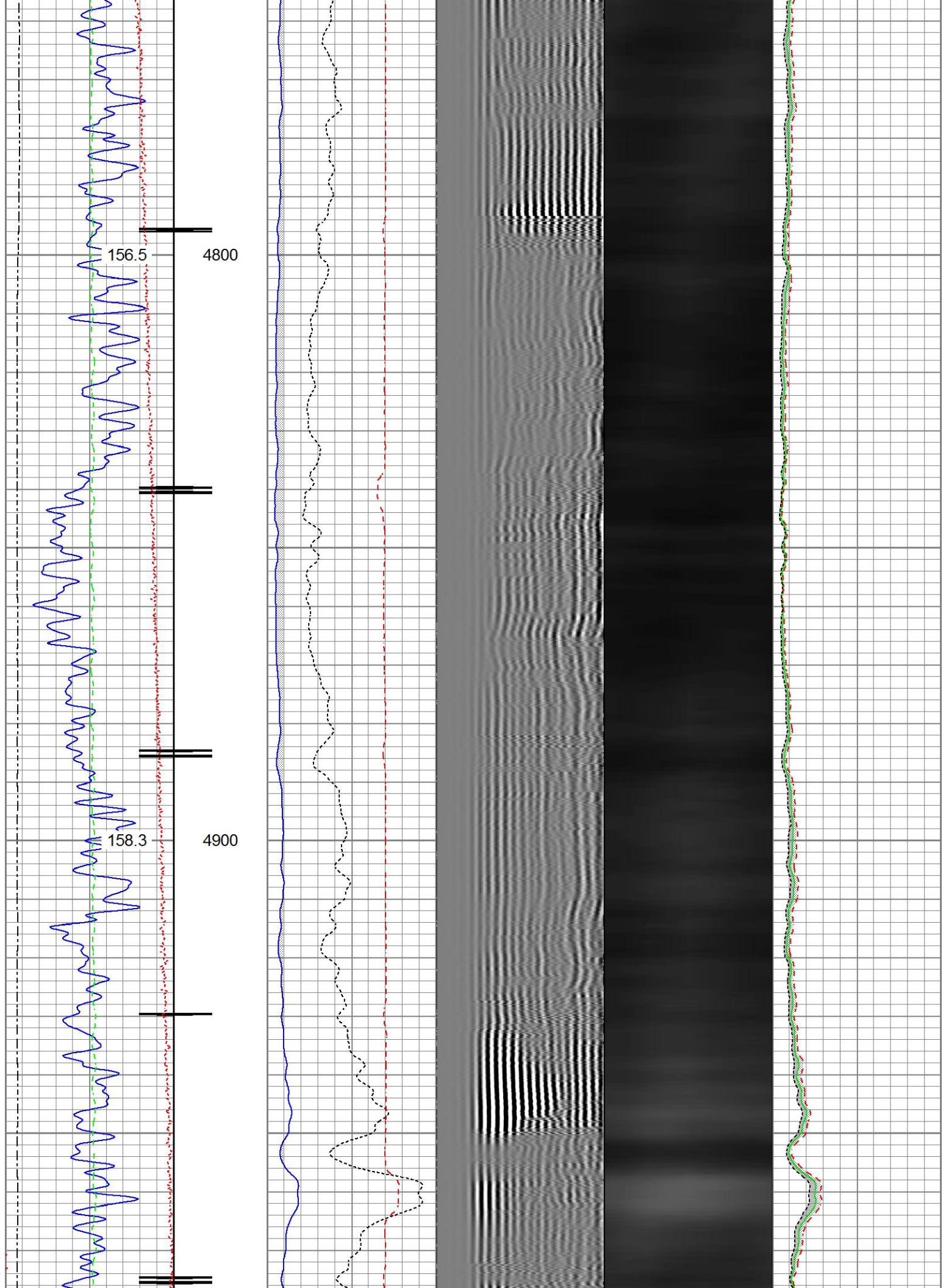


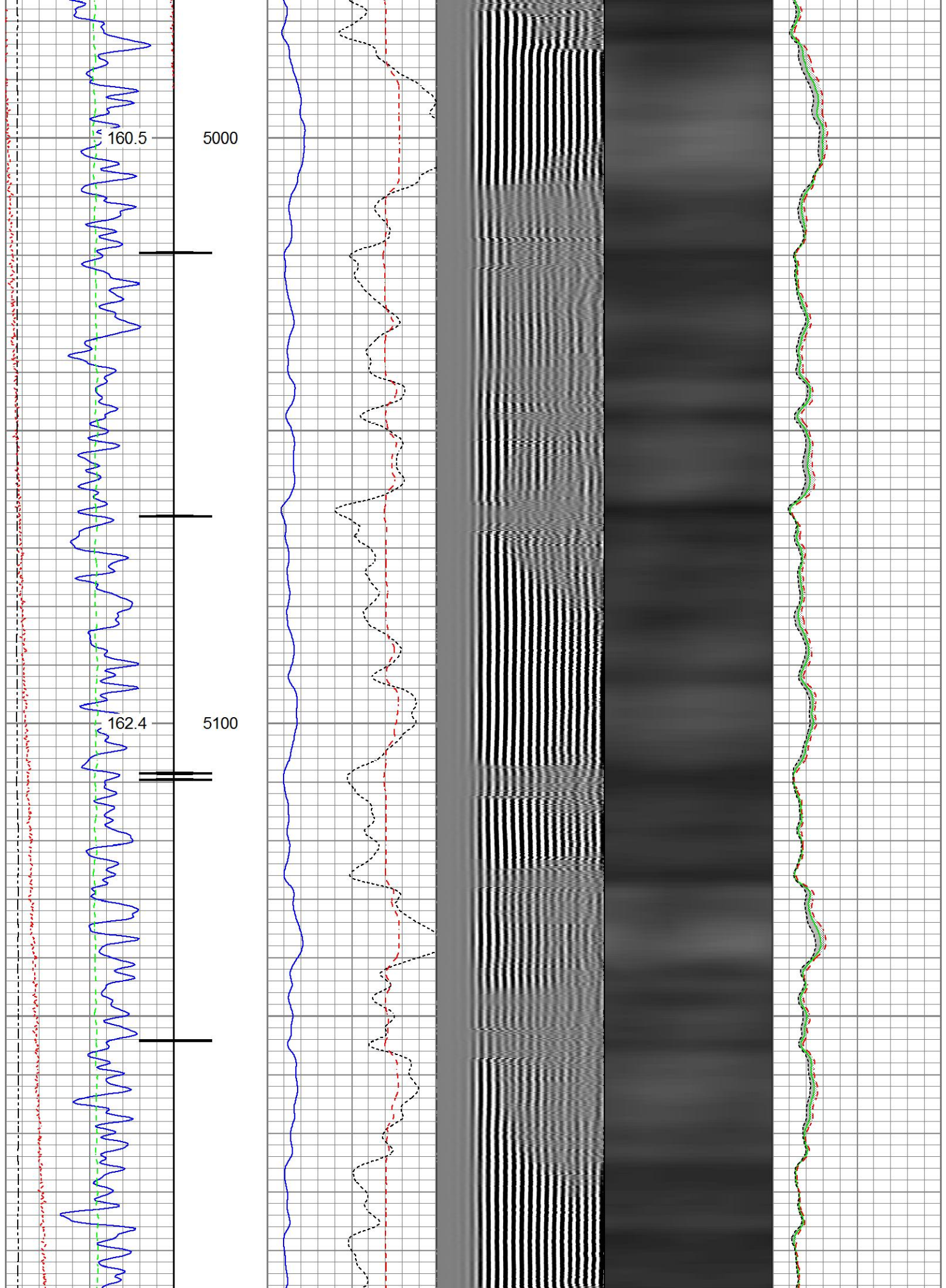


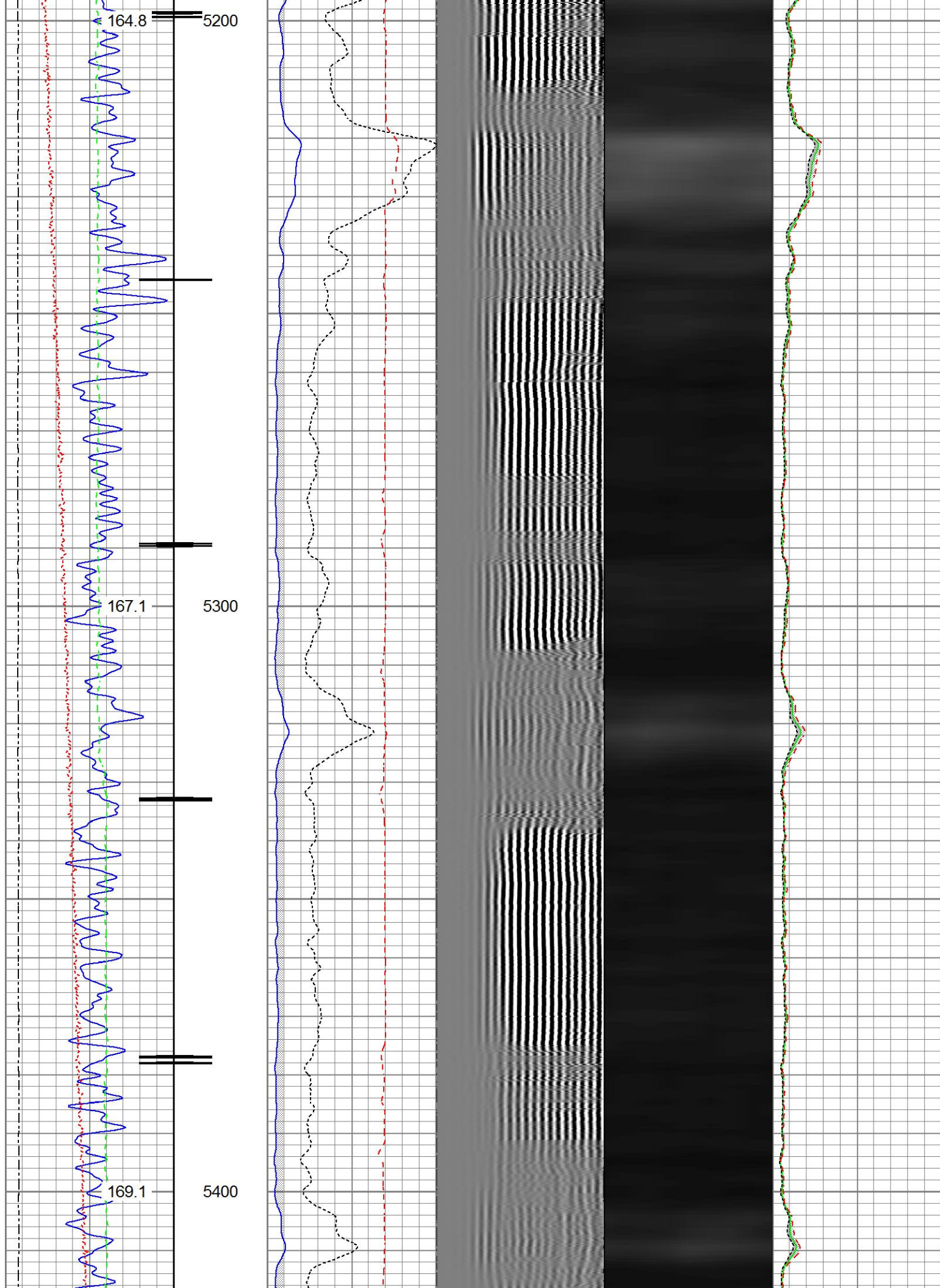


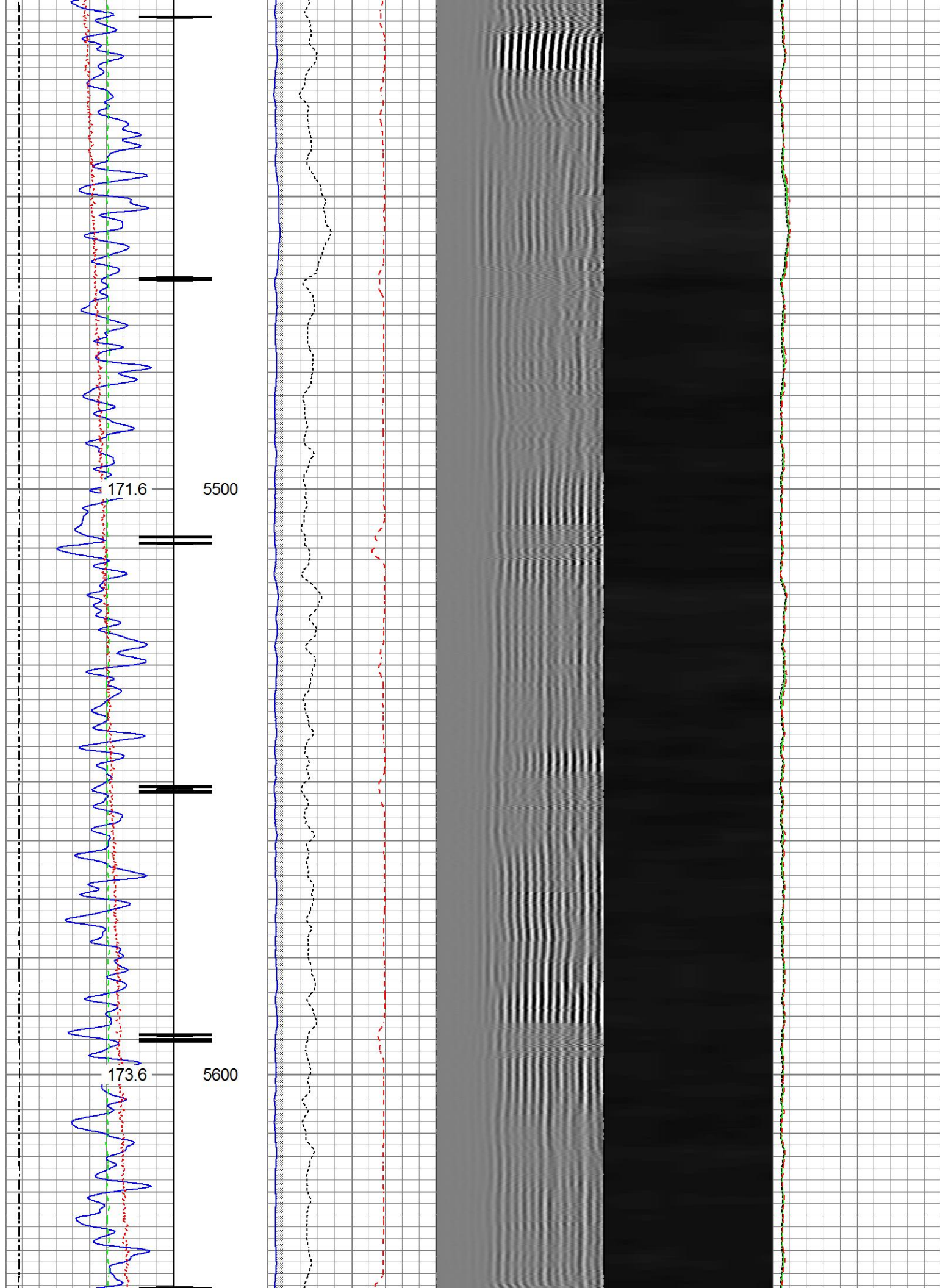


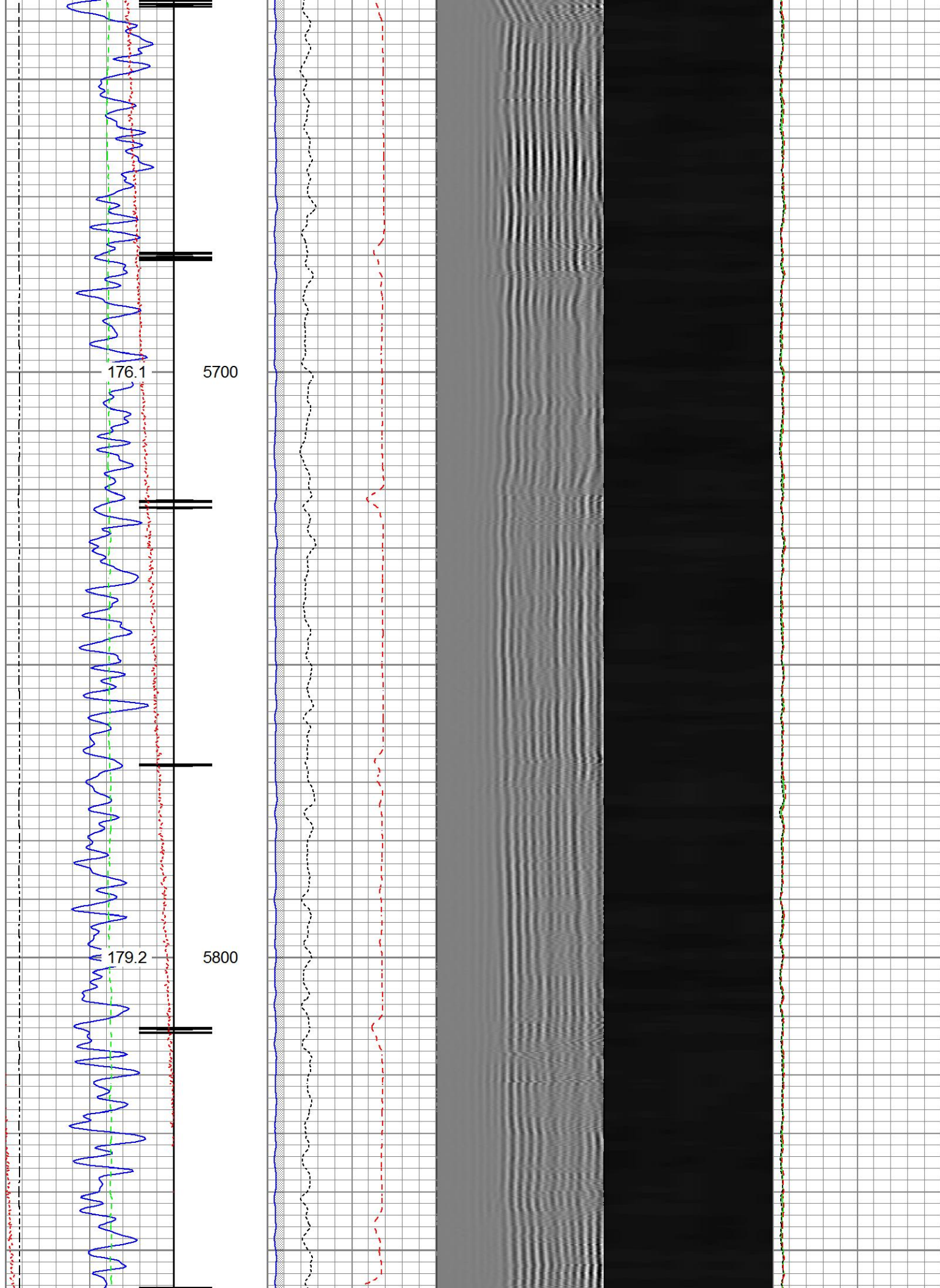


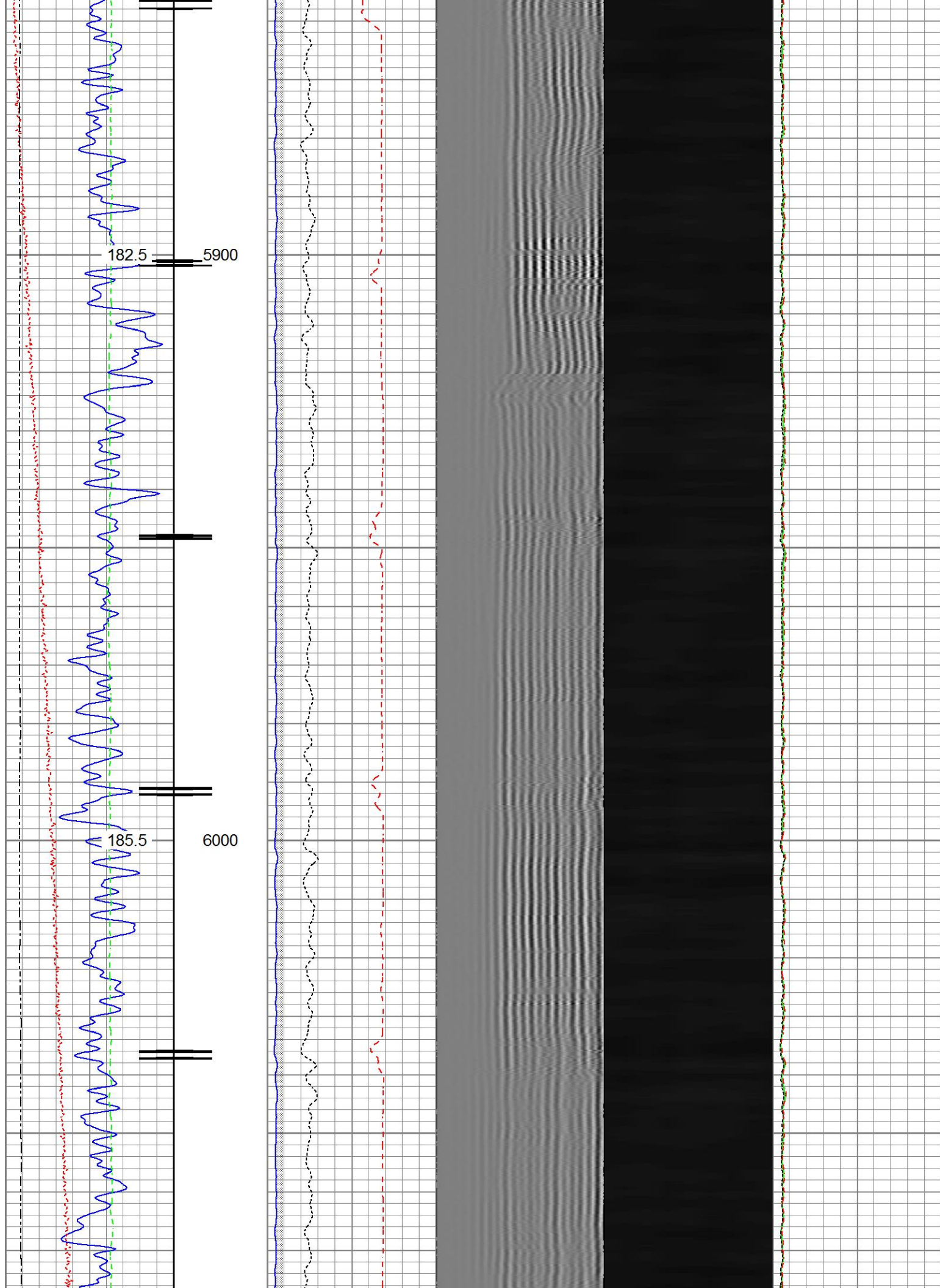


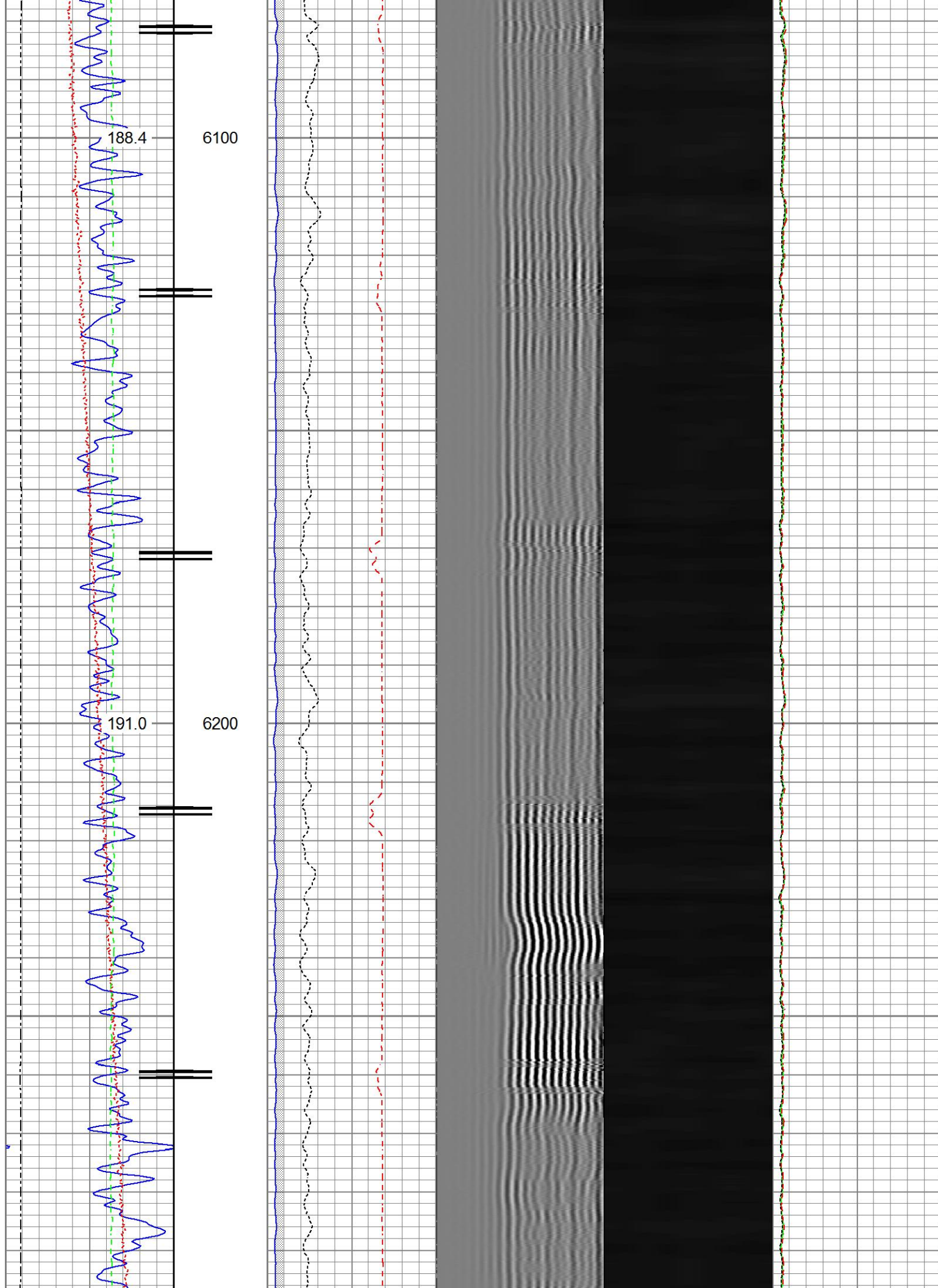


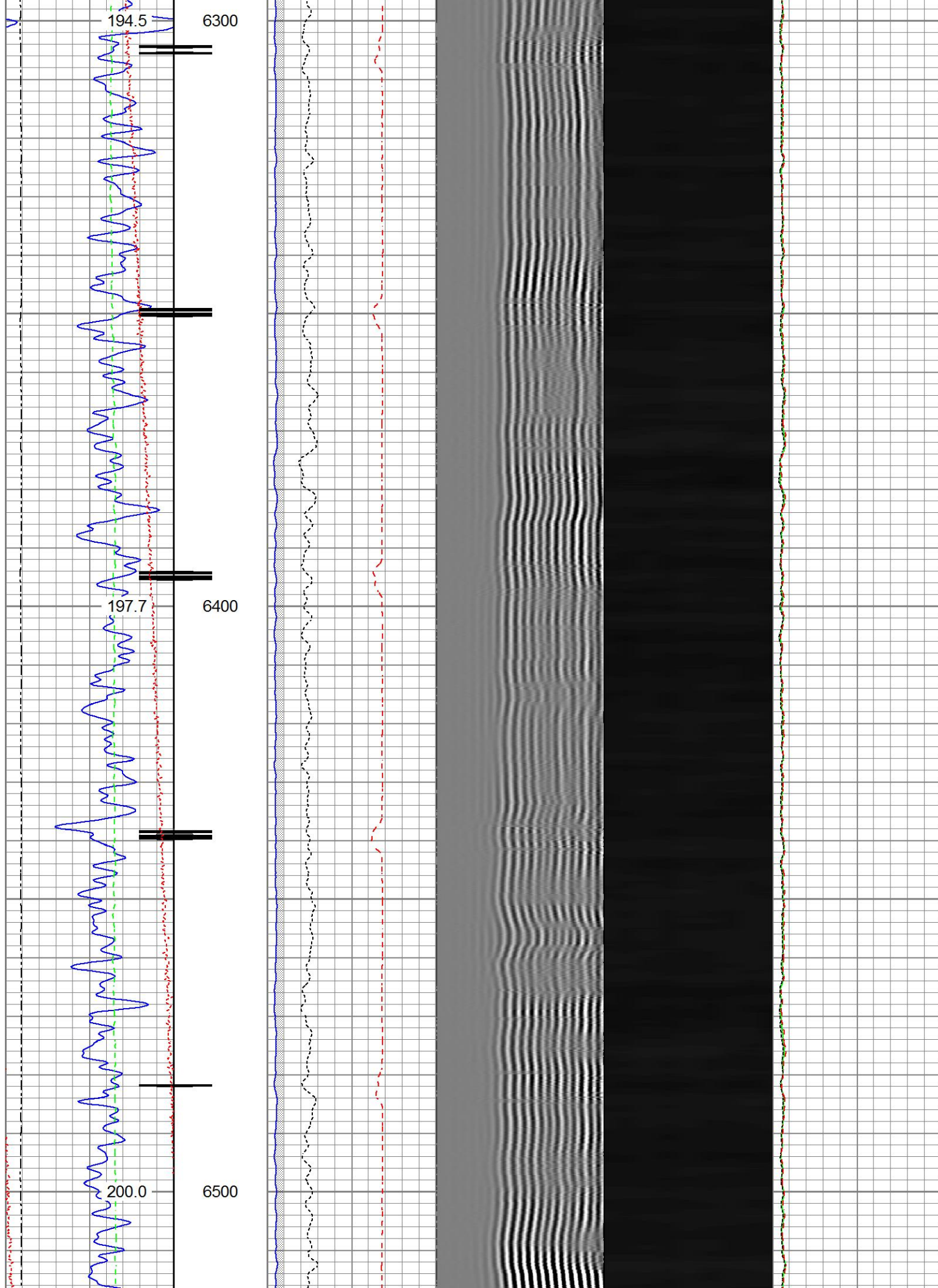


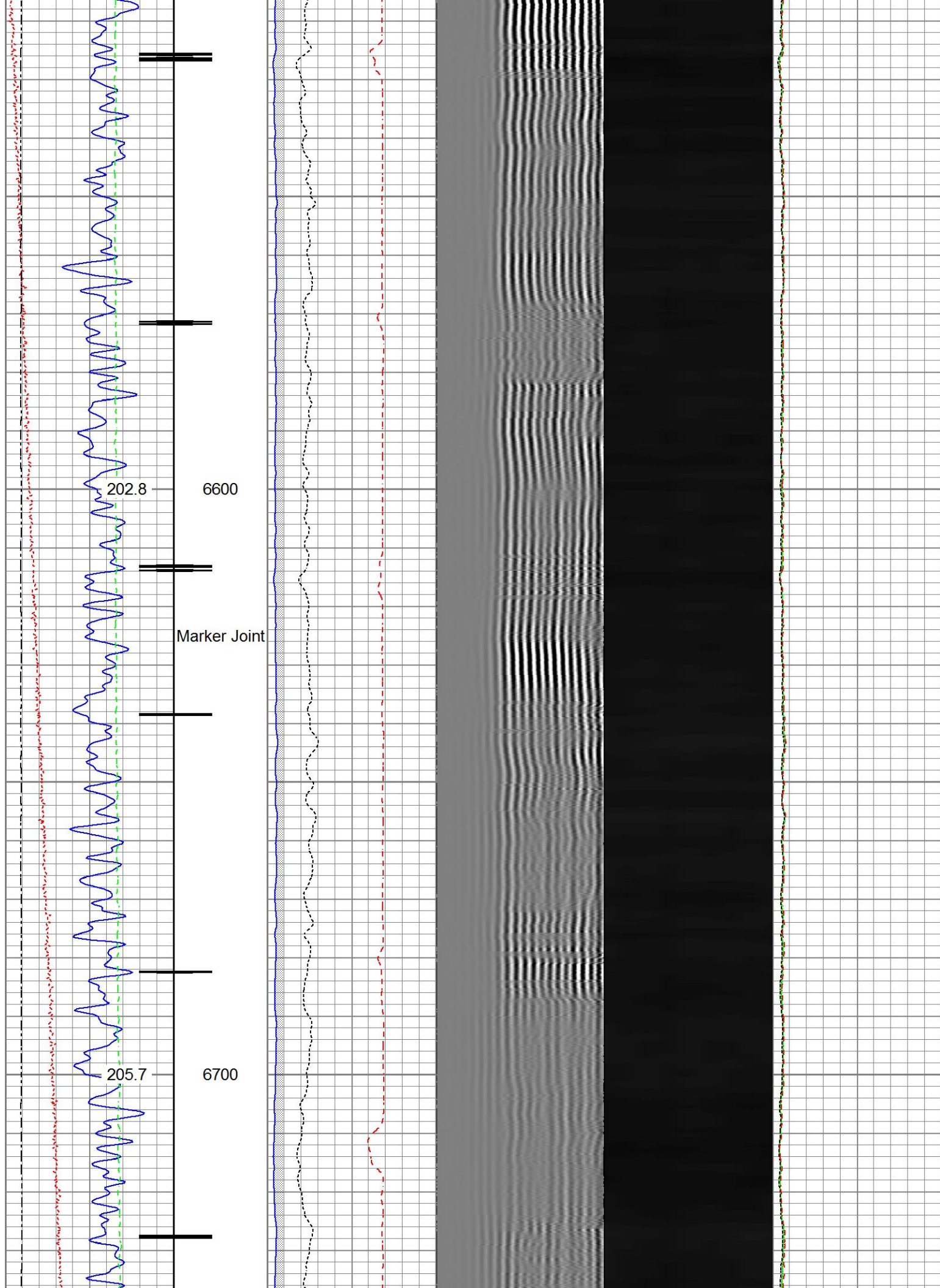


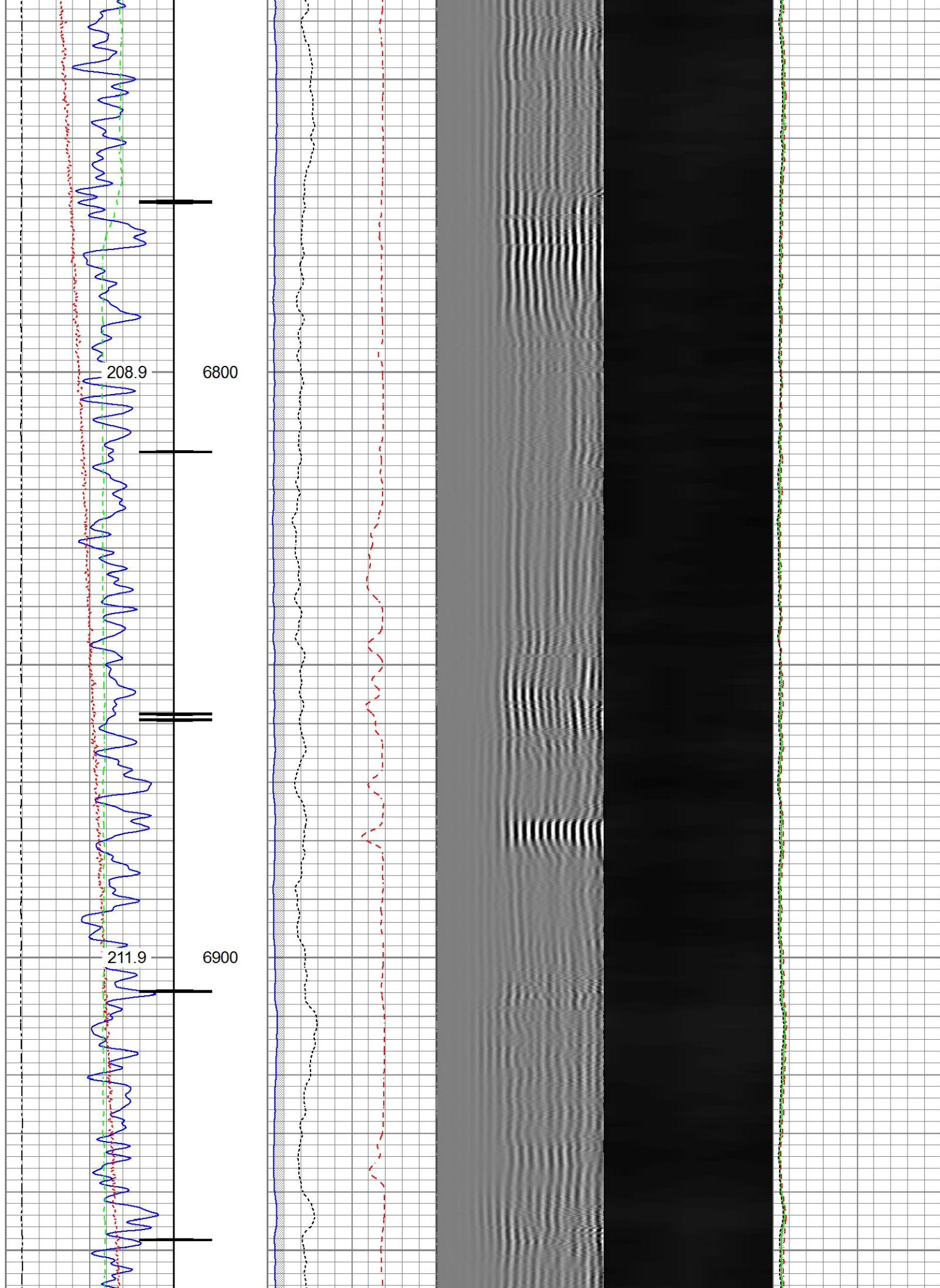


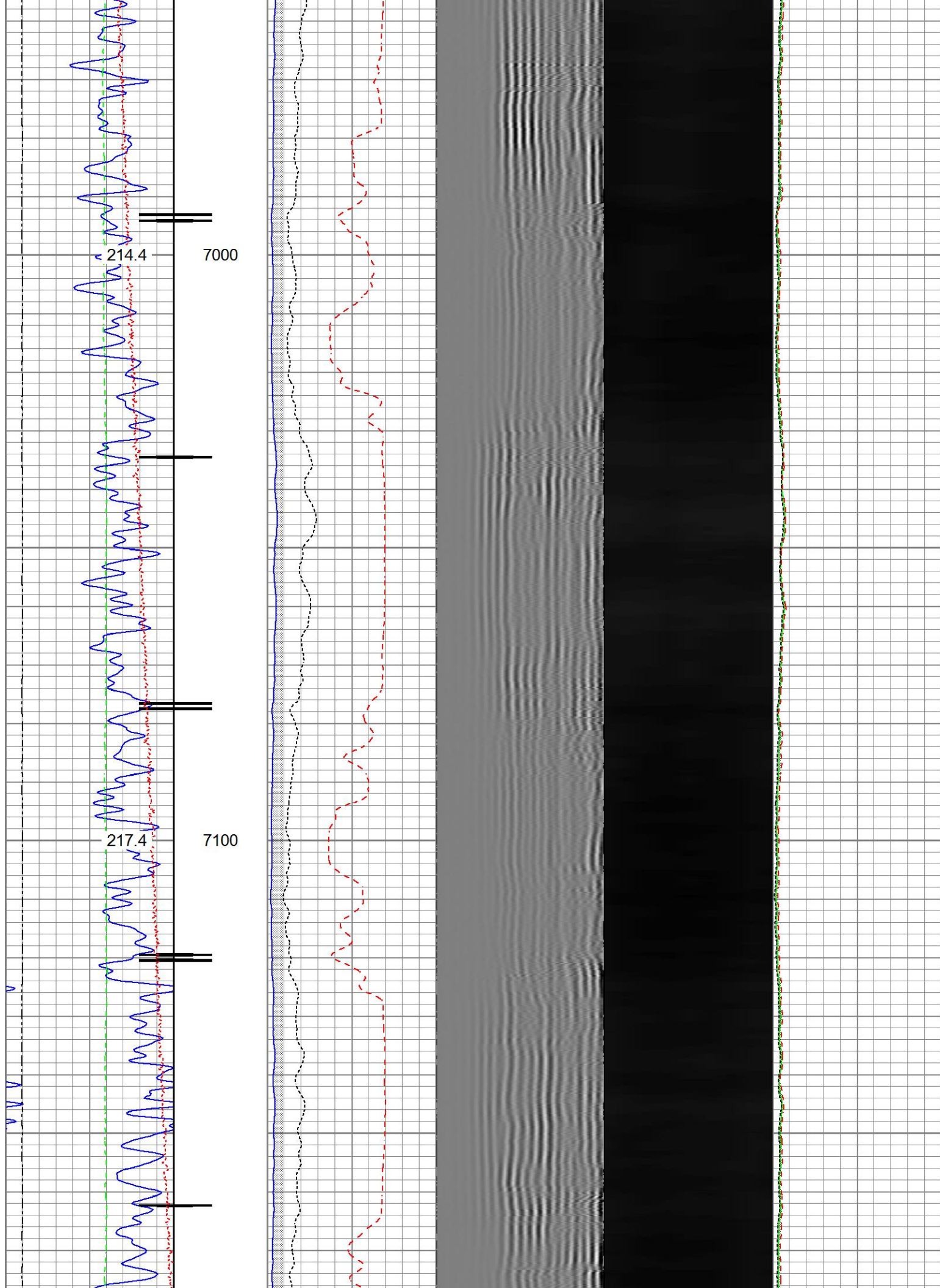


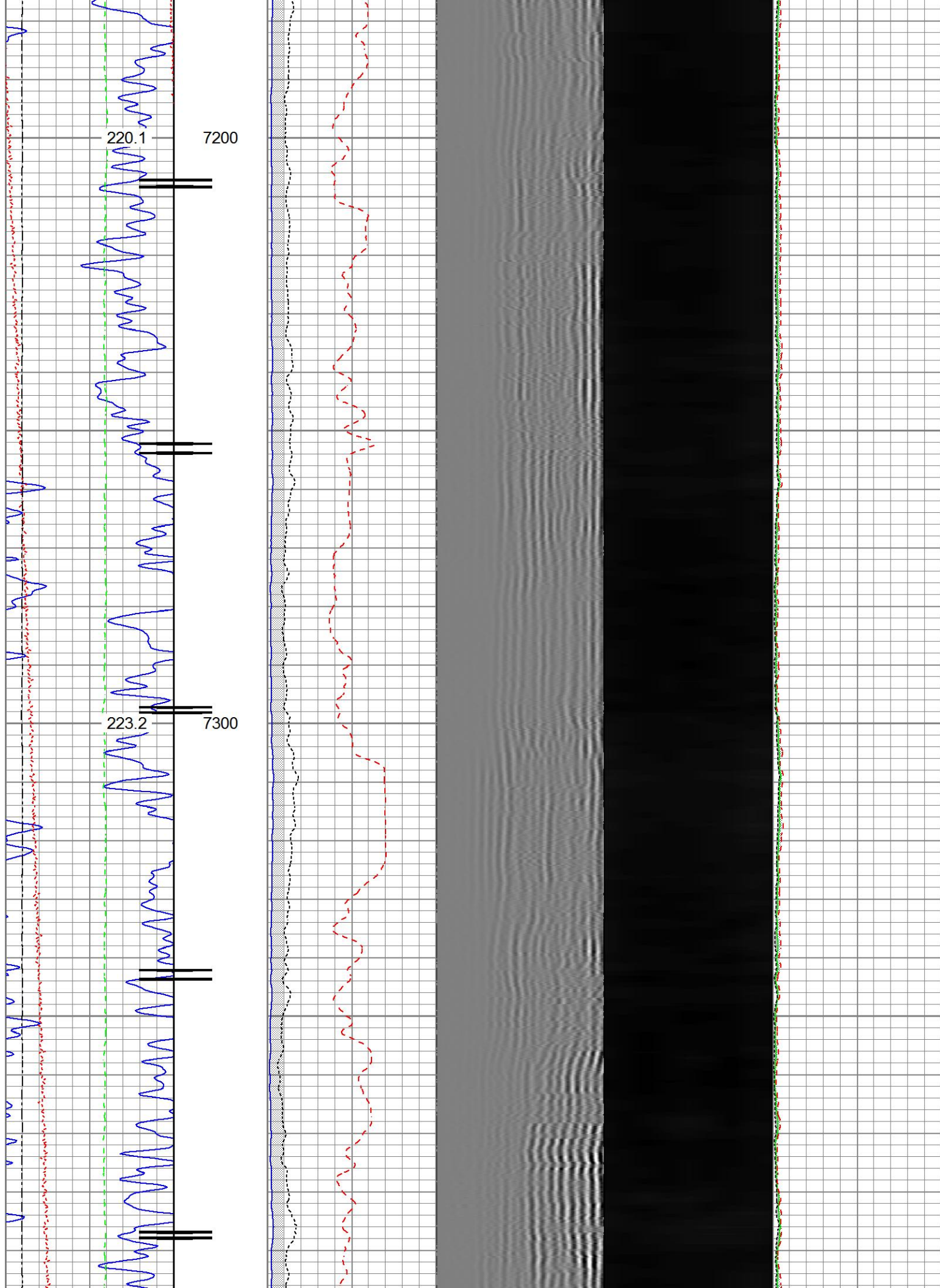


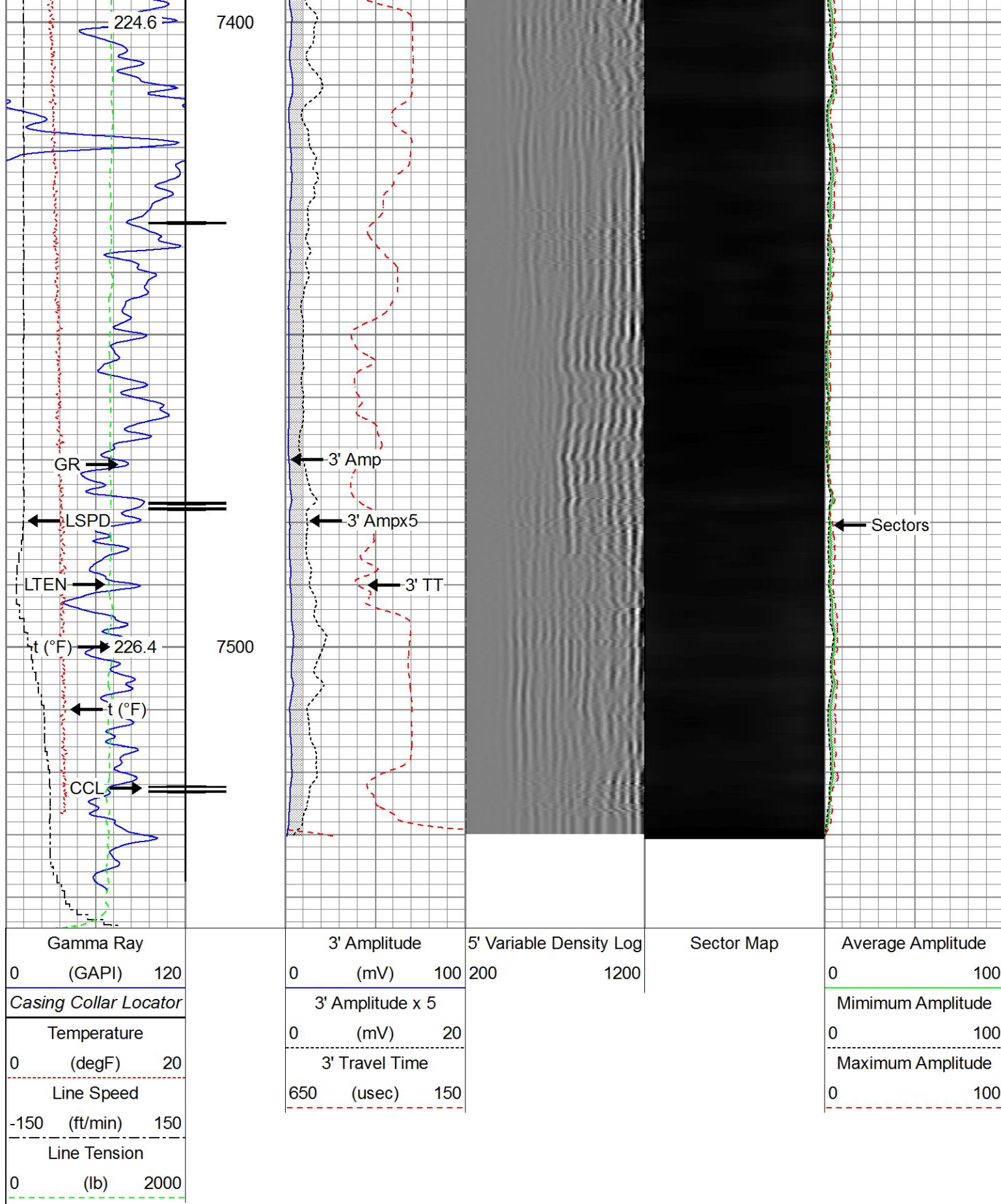




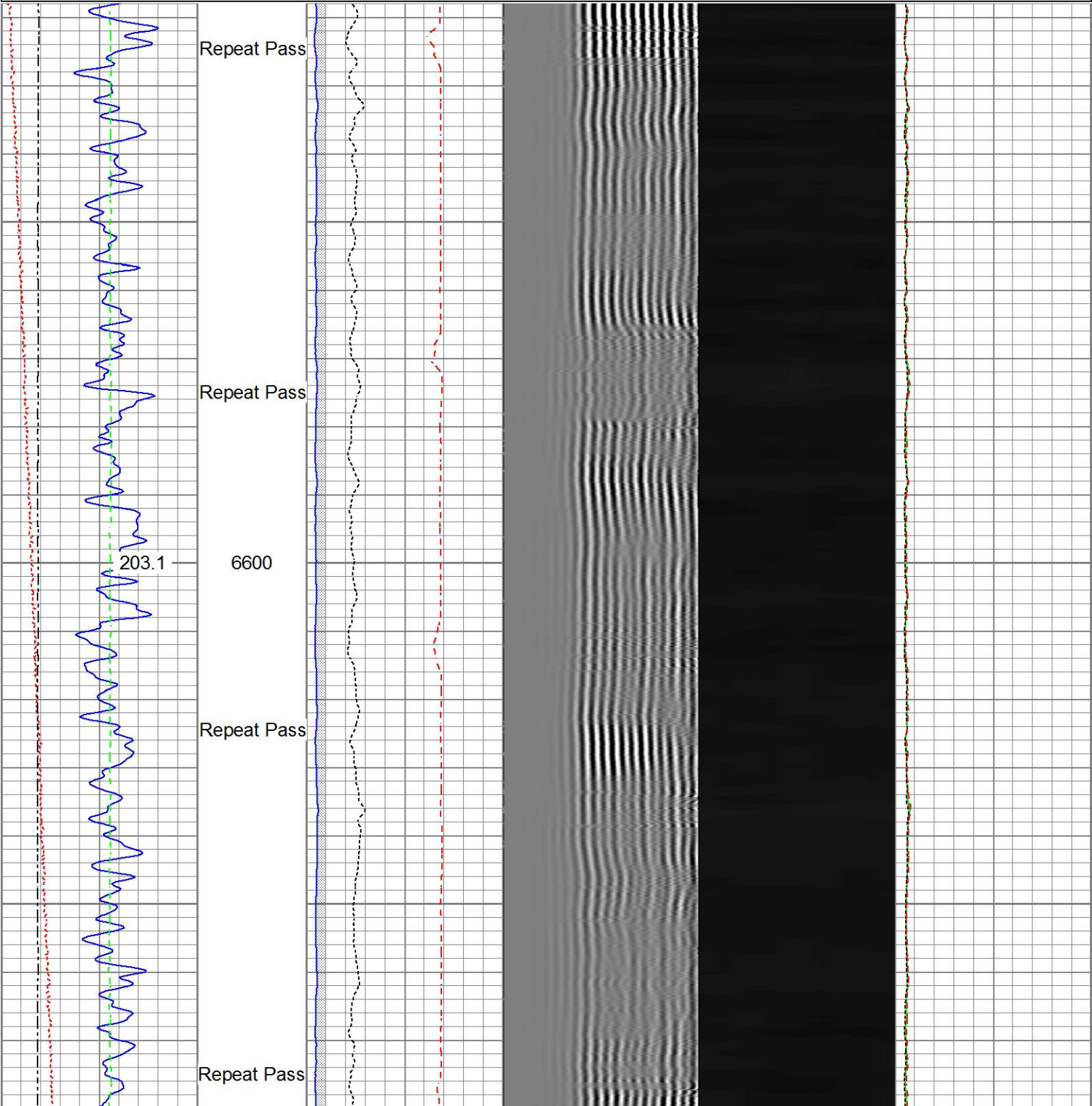


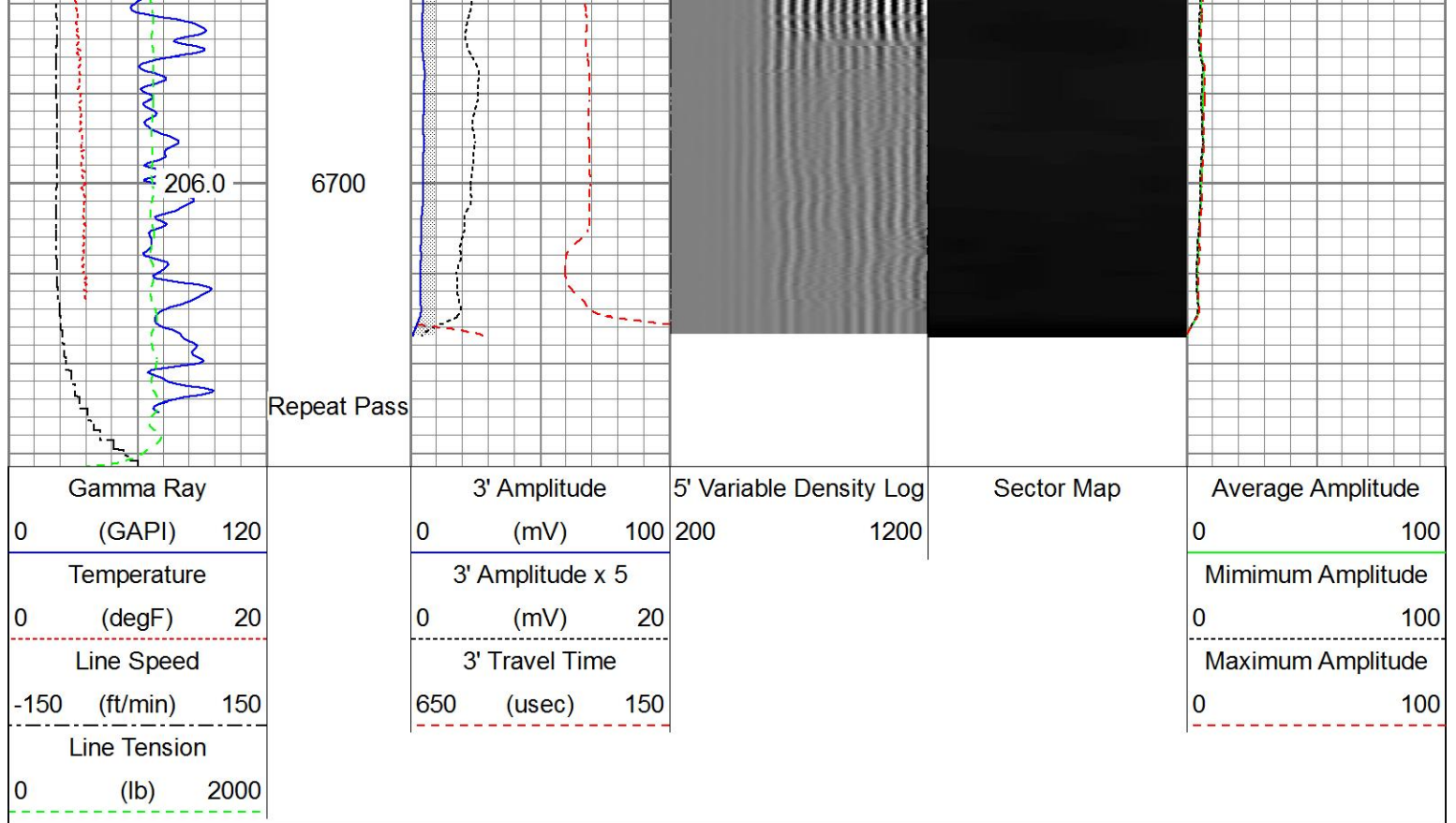




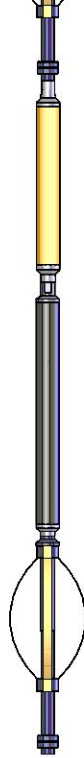


Gamma Ray			3' Amplitude			5' Variable Density Log		Sector Map	Average Amplitude	
0	(GAPI)	120	0	(mV)	100	200	1200		0	100
Temperature			3' Amplitude x 5						Minimum Amplitude	
0	(degF)	20	0	(mV)	20				0	100
Line Speed			3' Travel Time						Maximum Amplitude	
-150	(ft/min)	150	650	(usec)	150				0	100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





Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Titan_Electric_Cable_Heads-Titan_1-11/161.03 Electric Cable Head with 1" Fishing Neck	1.69	5.40	
			Probe_ELine_BowSpring_Centralizer-P Probe 2-3/4" Electric Inline Bowspring Centralizer	2.75	20.00	
HeadVolt	20.96					
Temp	18.17					
WVFS8	16.00			Probe_RADII-C-P_RBT_2750 (FW1302-009.19 Probe 2-3/4" Sector Cement Bond Tool with Temperature Probe	2.75	105.00
WVFS7	16.00					
WVFS6	16.00					
WVFS5	16.00					
WVFS4	16.00					
WVFS3	16.00					
WVFS2	16.00					
WVFS1	16.00					
WVFCAL	16.00					
WVF3FT	16.00					
WVF5FT	15.00					
HEADVOLT	11.75		Probe_ELine_BowSpring_Centralizer-P Probe 2-3/4" Electric Inline Bowspring Centralizer	2.75	20.00	

CCL	7.38		Probe_CCL-P_CL_2750 (FW1307-076) Probe 2-3/4" Digital Six Magnet Logging CCL	2.66	2.75	35.00
GR	3.67		Probe_GR-P_GR_2750 (FW1307-078) Probe 2-3/4" Digital Gamma Ray	3.33	2.75	55.00
			Probe_ELine_BowSpring_Centralizer-P Probe 2-3/4" Electric Inline Bowspring Centralizer	EE2.88	2.75	20.00
Dataset:		0512343262_Anadarko_Hilgers 33N1-22HZ_RBL_06-23-17_w8.db: field/well/run1/pass1				
Total length:		24.85 ft				
Total weight:		260.40 lb				
O.D.:		2.75 in				

Calibration Report	
Database File	D:\Warrior\Data\Anadarko_Hilgers 33N1-22HZ\0512343262_Anadarko_Hilgers 33N1-22HZ_RBL_06-23-17_
Dataset Pathname	pass1
Dataset Creation	Fri Jun 23 16:41:59 2017

Gamma Ray Calibration Report		
Serial Number:	FW1307-078	
Tool Model:	P_GR_2750	
Performed:	Sun Feb 07 16:49:28 2016	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.6	cps
Sensitivity:	0.6061	GAPI/cps

Segmented Cement Bond Log Calibration Report		
Serial Number:	FW1302-002	
Tool Model:	P_RBT_2750	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	21.128	ft

Master Calibration, performed Fri Jun 23 12:46:42 2017:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.007	0.726	0.800	71.921	98.948	0.096
CAL	0.761	0.762				
5'	0.007	0.687	0.800	71.921	104.681	0.042

SUM						
S1	0.005	0.720	0.000	100.000	139.972	-0.714
S2	0.007	0.719	0.000	100.000	140.483	-1.008
S3	0.008	0.719	0.000	100.000	140.609	-1.081
S4	0.008	0.718	0.000	100.000	140.696	-1.056
S5	0.008	0.722	0.000	100.000	140.044	-1.072
S6	0.007	0.728	0.000	100.000	138.777	-1.022
S7	0.008	0.732	0.000	100.000	138.040	-1.053
S8	0.007	0.729	0.000	100.000	138.495	-1.014

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.761	0.762	1.000	0.000

Air Zero Calibration, performed Fri Jun 23 12:47:03 2017:

	Raw (v)		Calibrated (v)	Results
	Zero		Zero	Offset
3'	0.007		0.000	-0.000
5'	0.007		0.000	0.000
SUM				
S1	0.005		0.000	-0.000
S2	0.007		0.000	-0.000
S3	0.008		0.000	-0.000
S4	0.007		0.000	0.000
S5	0.008		0.000	-0.000
S6	0.008		0.000	-0.001
S7	0.008		0.000	-0.000
S8	0.007		0.000	0.000



Company Kerr-McGee Oil & Gas Onshore, L.P.  
 Well Hilgers 33N1-22HZ  
 Field Wattenberg  
 County Weld  
 State Colorado