



**RADIAL CEMENT BOND
GAMMA RAY
CASING COLLAR LOG**

Company		Kerr-McGee Oil & Gas Onshore, L.P.	
Well		Reigle 29C-9HZ	
Field		Wattenberg	
County		Weld	
State		Colorado	
Location:		API # : 05-123-36185	
Permanent Datum		SHL: 473' FNL & 291' FWL Sec. 4	
Log Measured From		BHL: 51' FNL & 927' FWL Sec. 9	
Drilling Measured From		SEC 4 TWP 2N RGE 65W	
GROUND LEVEL Elevation		4869	
K.B. 4885		Elevation	
D.F. NA			
G.L. 4869			
PLUG			
Date		06-FEB-2013	
Run Number		ONE	
Depth Driller		12.161	
Depth Logger		6011	
Bottom Logged Interval		6008	
Top Log Interval		GROUND LEVEL	
Open Hole Size		9.625"	
Type Fluid		WATER	
Density / Viscosity		8.34 LB/GAL	
Max. Recorded Temp.		252 F	
Estimated Cement Top		33	
Time Well Ready		ROA	
Time Logger on Bottom		---	
Equipment Number		HD 119	
Location		FORT LUPTON, CO	
Recorded By		GREG JACKSON	
Witnessed By		VAN FRANKE	
Borehole Record		Tubing Record	
Run Number		Bit	
From		To	
Size		Weight	
From		To	
Casing Record		Size	
Surface String		9 5/8	
Prot. String		36	
Production String		7	
Liner		4 1/2	
Mgt/Ft		Top	
36		SURFACE	
26		SURFACE	
11.6		5972	
Bottom		913	
7635			
11,431			

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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.

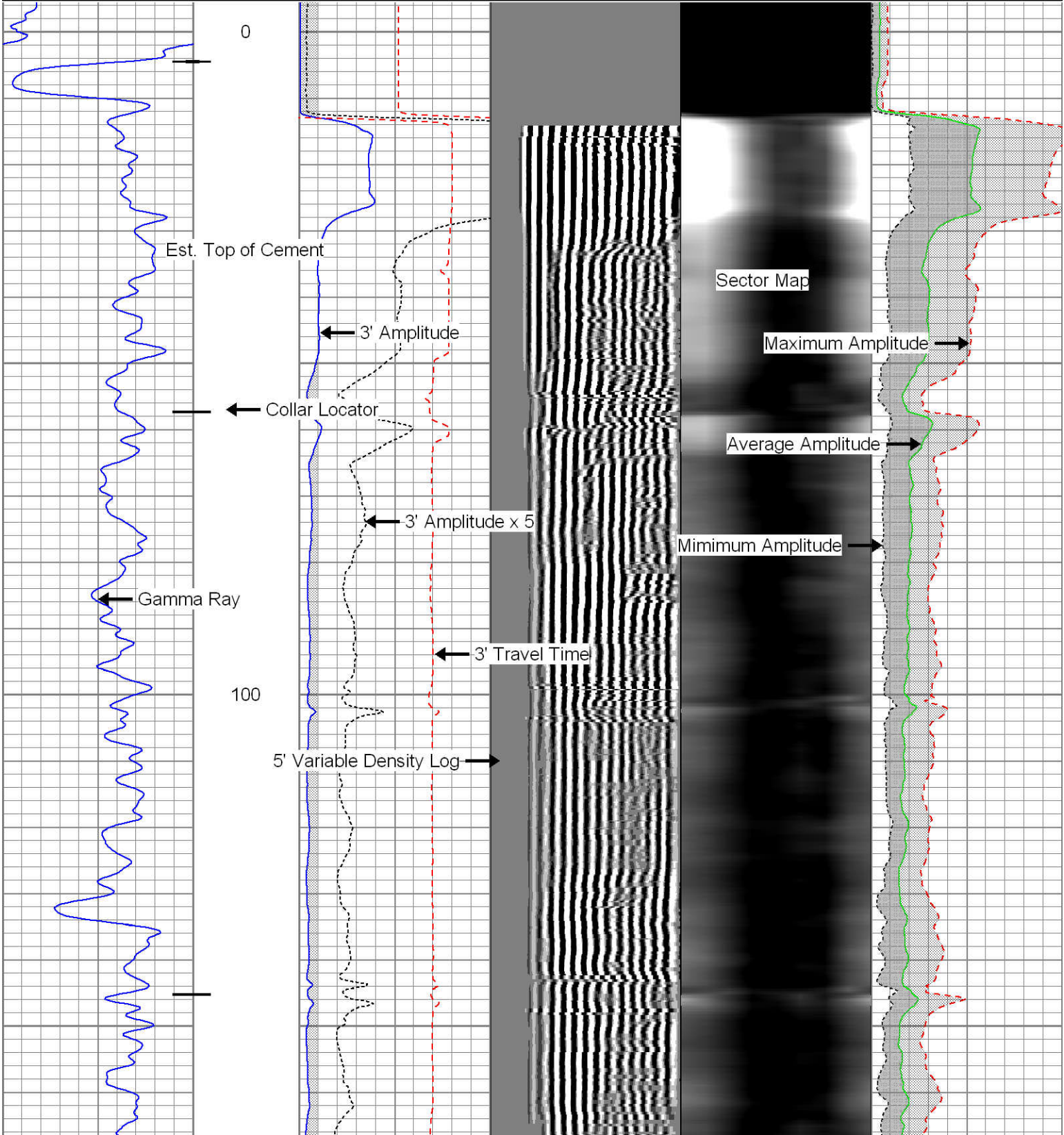
Comments

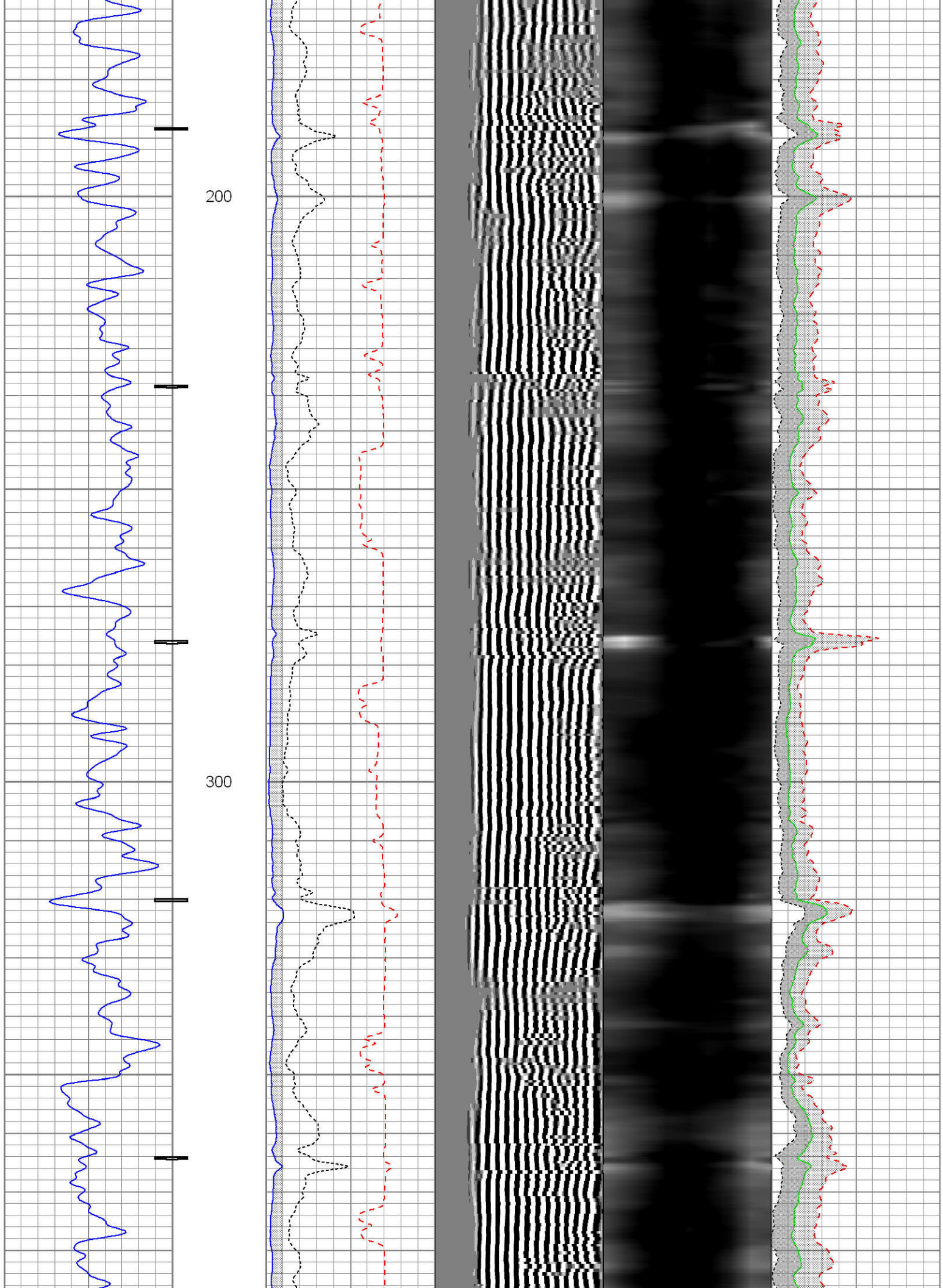
RADIAL CEMENT BOND IS PRIMARY LOG
CORRELATED TO CASING TALLY REPORTED LINER TOP @ 5972
RUN RBL FROM JUST BELOW LINER TOP TO SURFACE
RBL LOGGED WITH 2800 PSI INDUCED PRESSURE @ SURFACE
ESTIMATED TOP OF CEMENT @ 33
CORRECTED -6' @ LINER TOP WITH ZERO @ KB

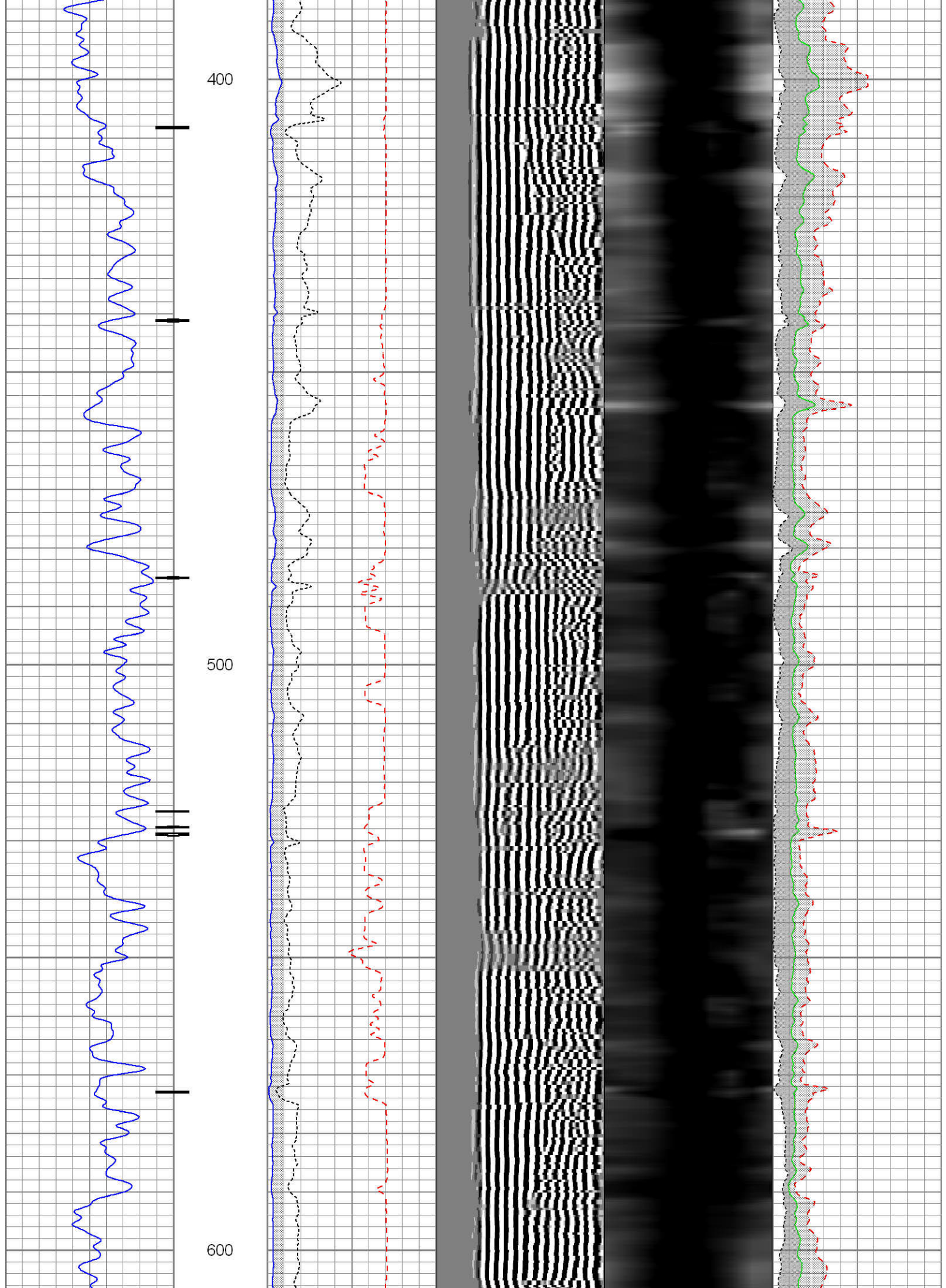
THANK YOU FOR USING PURE ENERGY WIRELINE AN FMC TECHNOLOGIES COMPANY

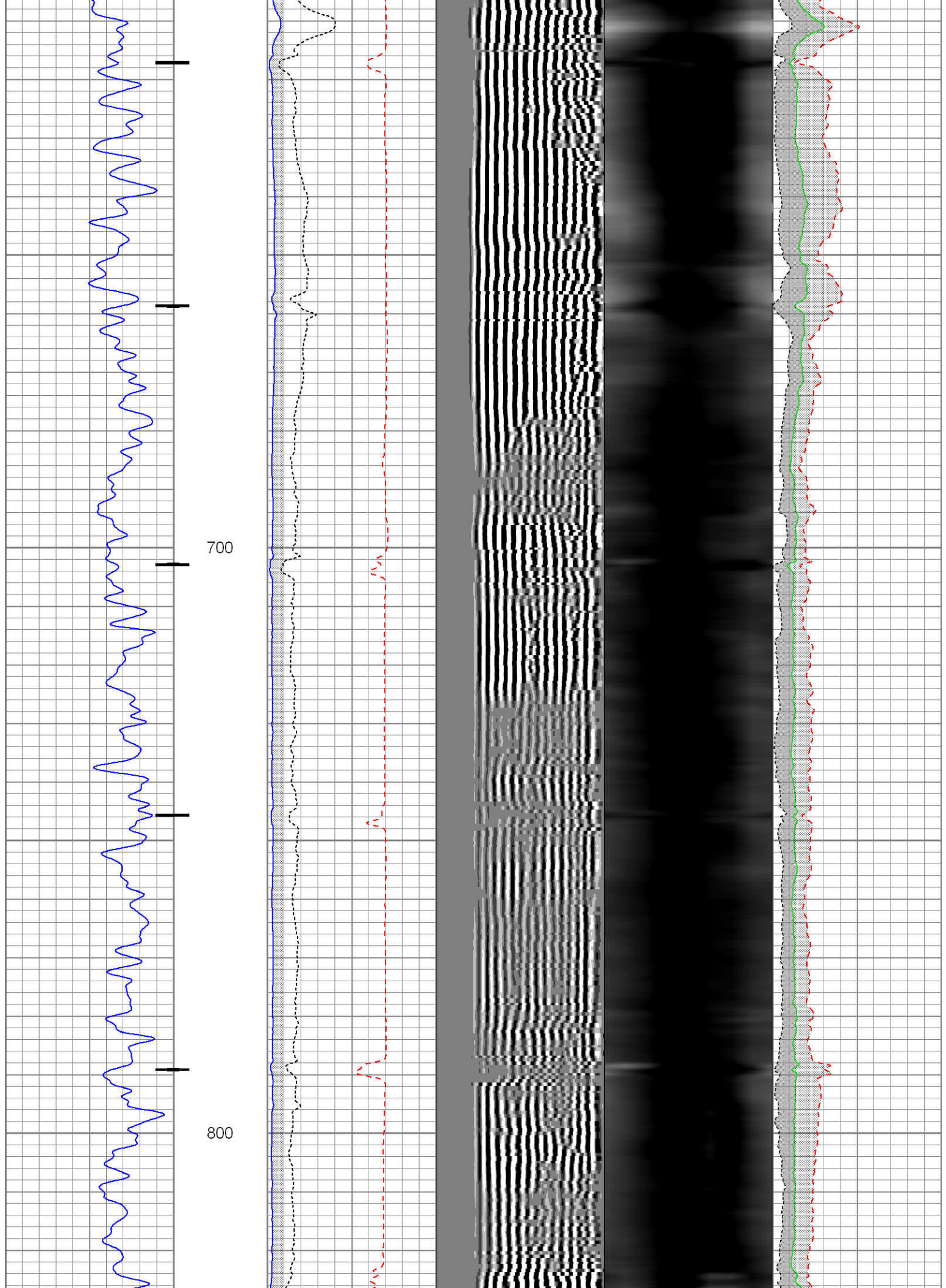
MAIN PASS @ 2800 PSI

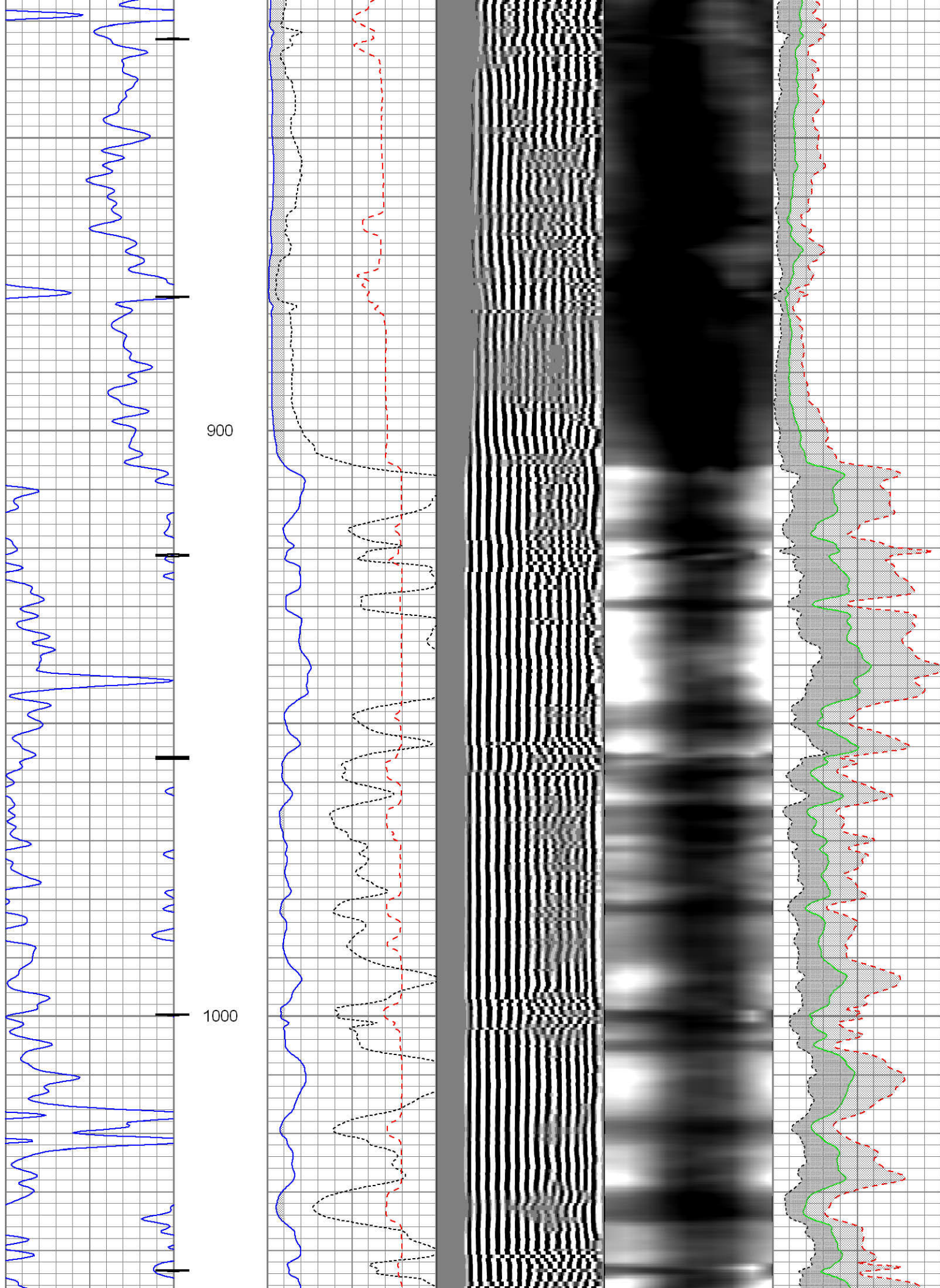
0	Gamma Ray	150	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
	Collar Locator		0 (mV) 100	200 1200		0 100
			3' Amplitude x 5			Minimum Amplitude
			0 (mV) 20			0 100
			3' Travel Time			Maximum Amplitude
			650 (usec) 150			0 100

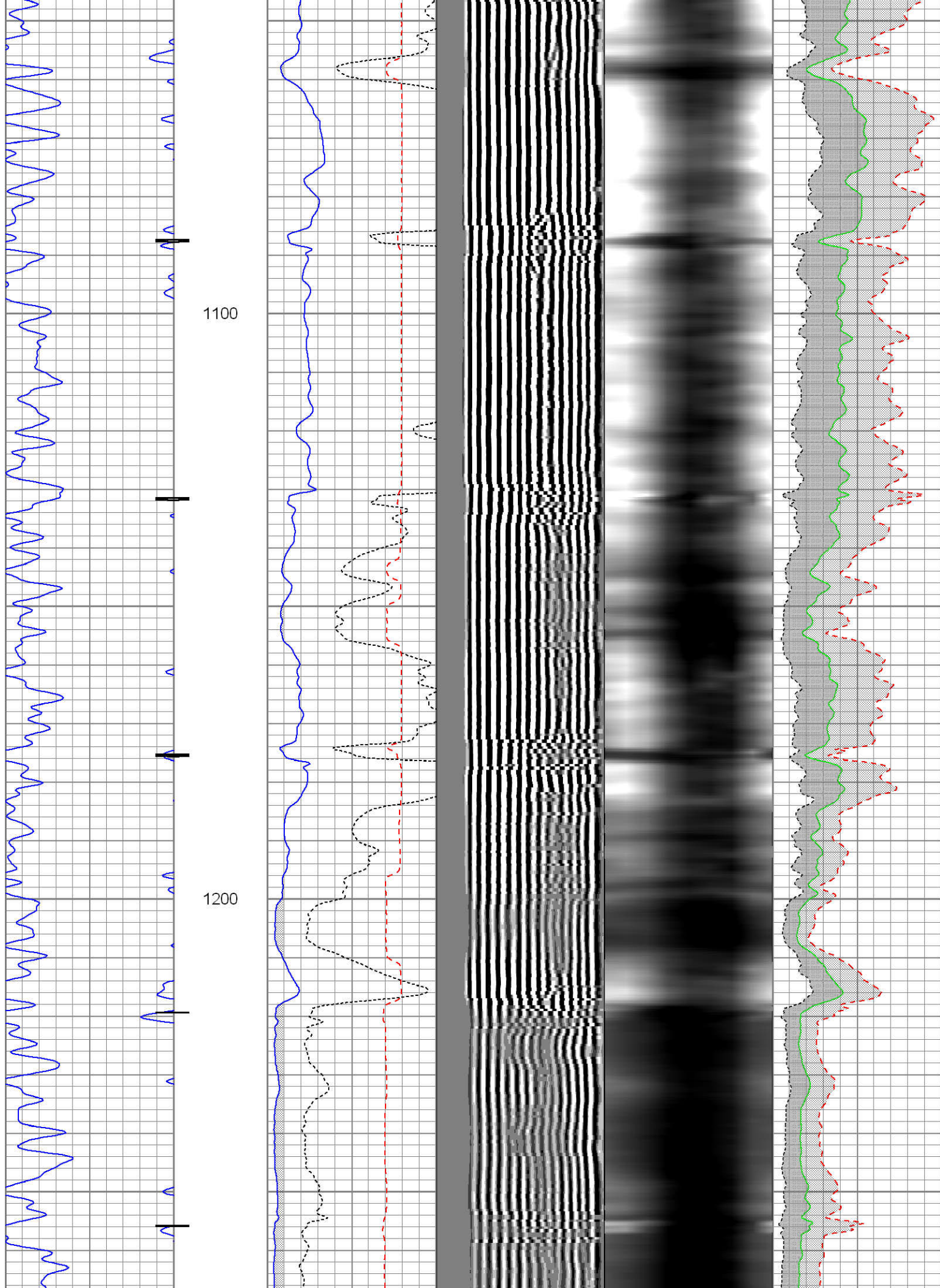


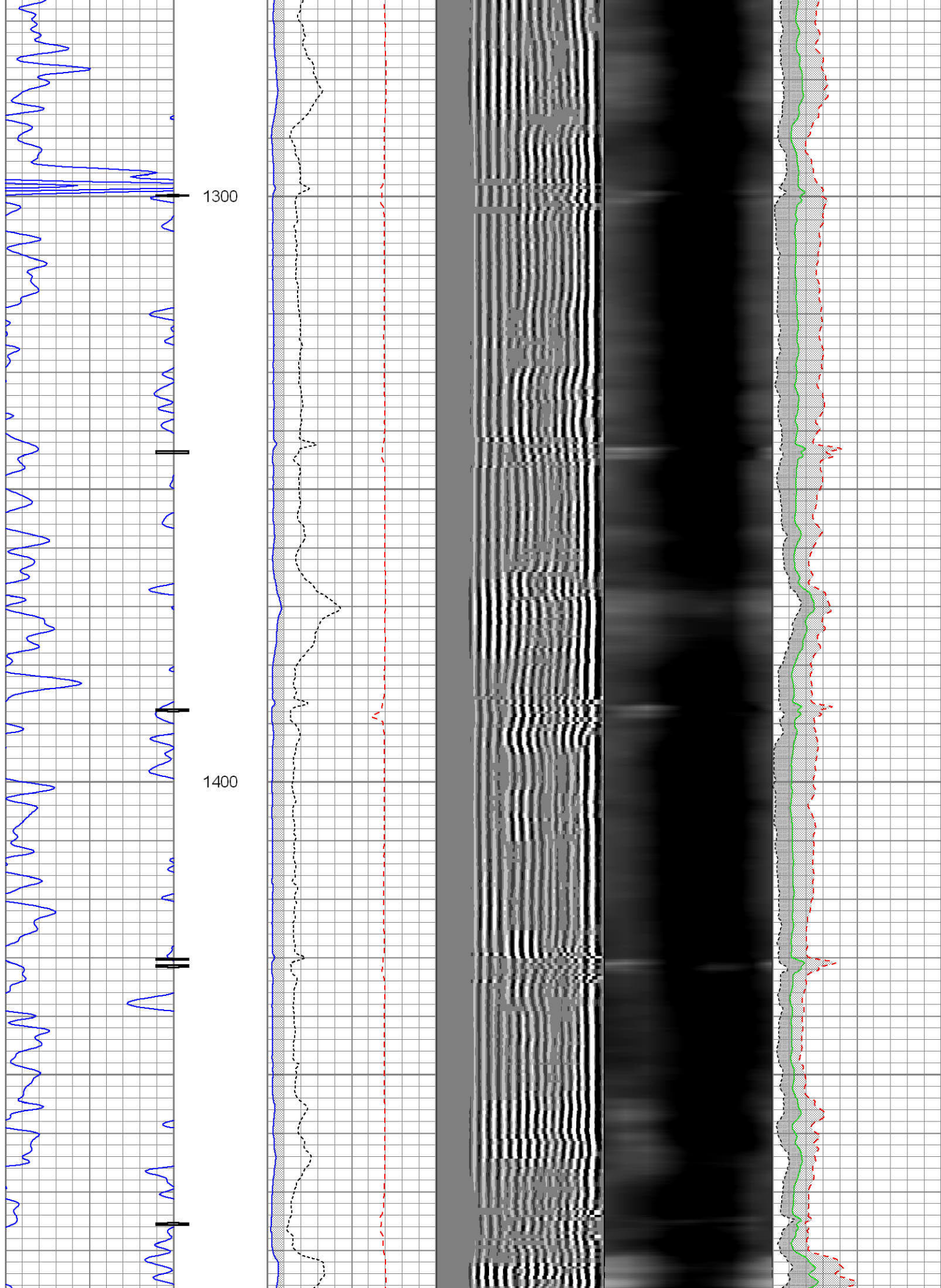


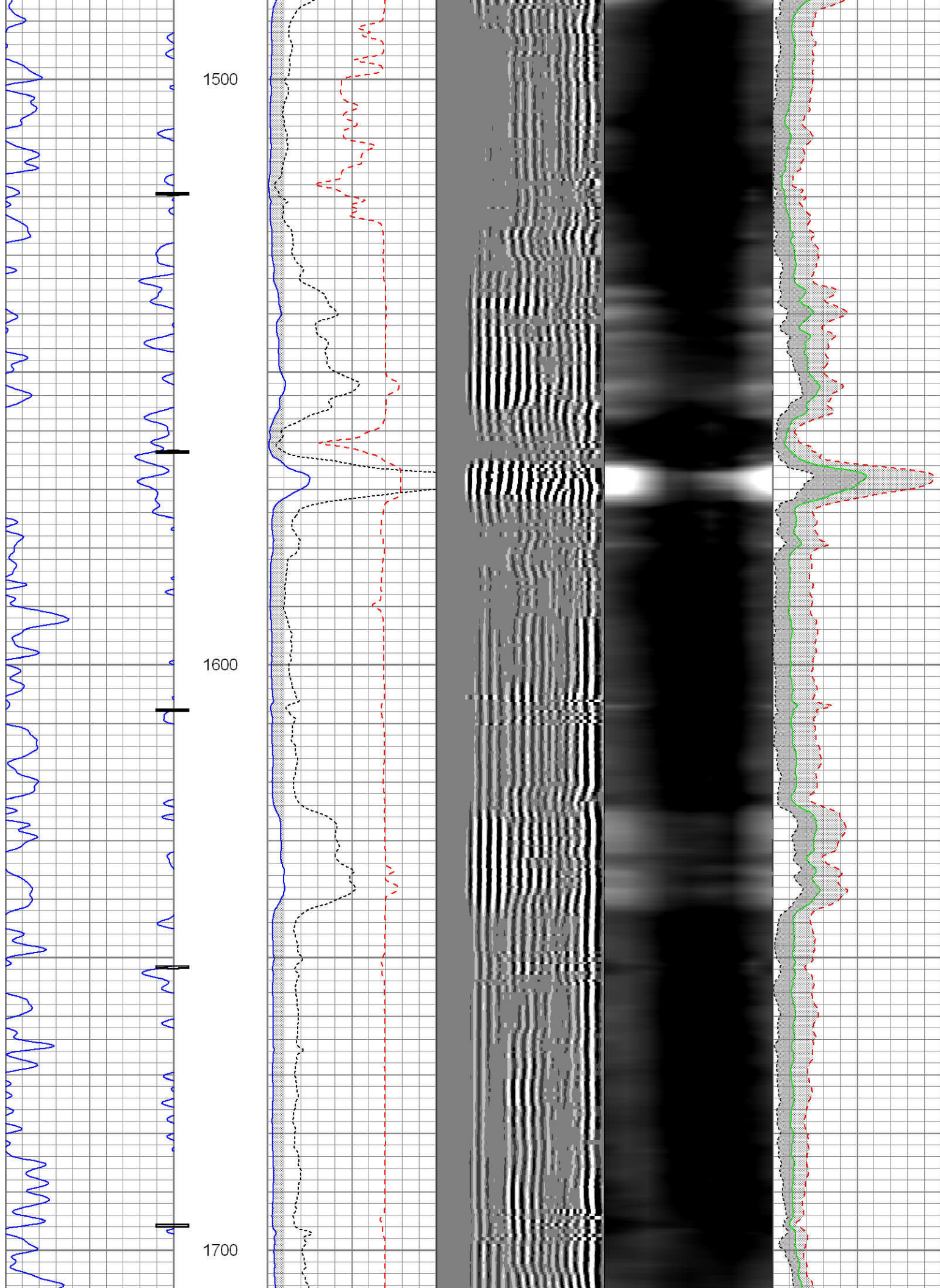


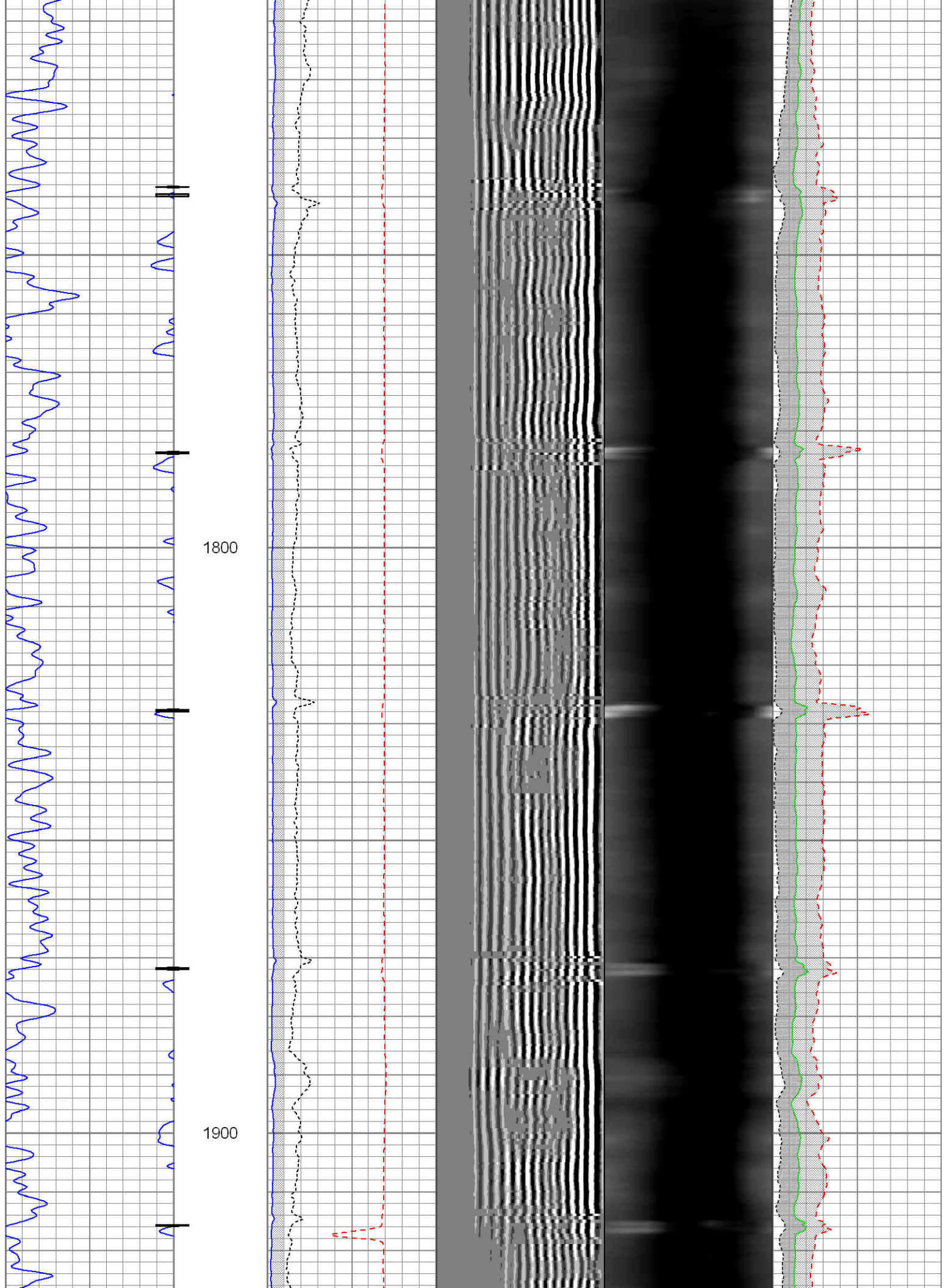


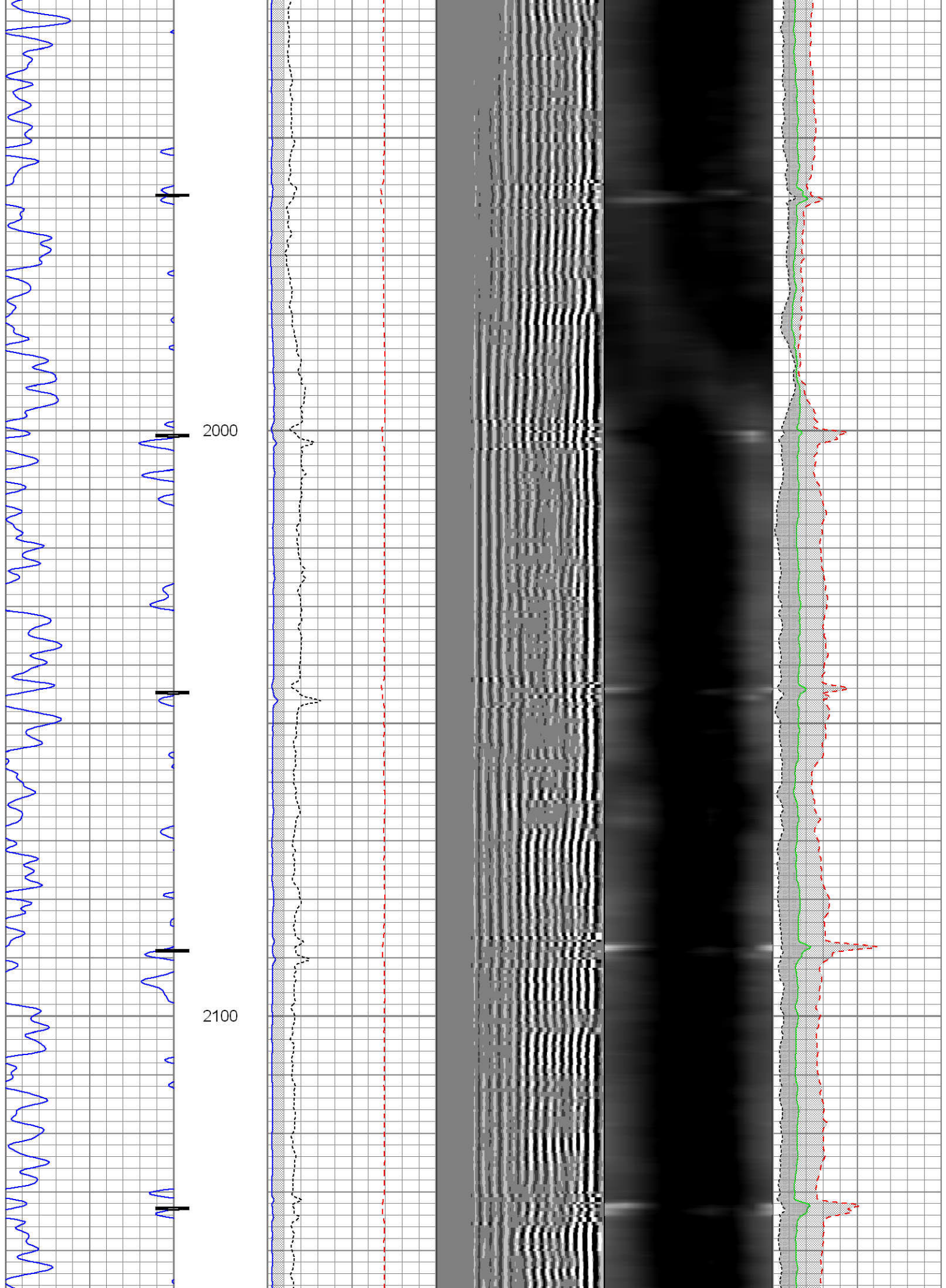


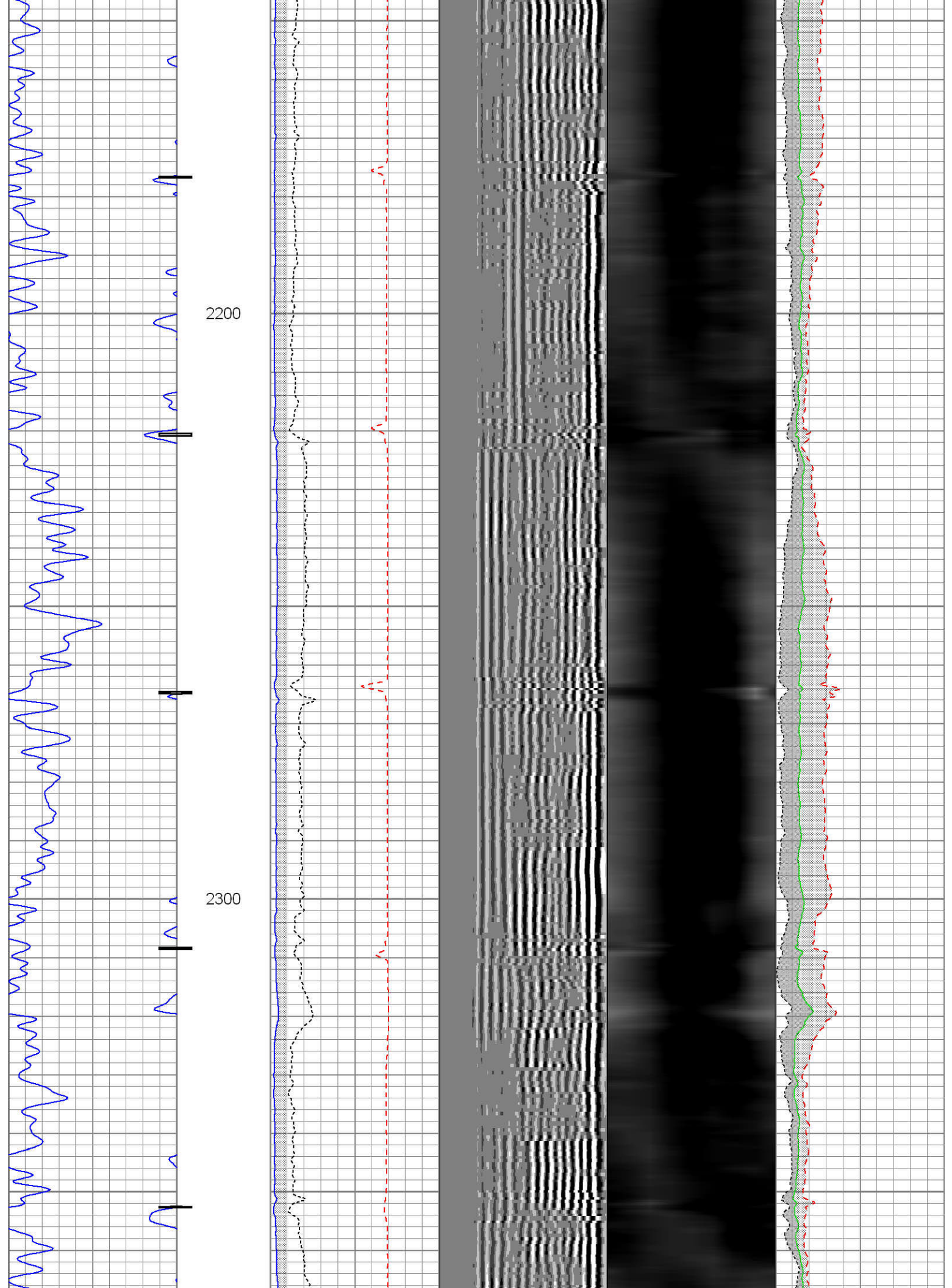


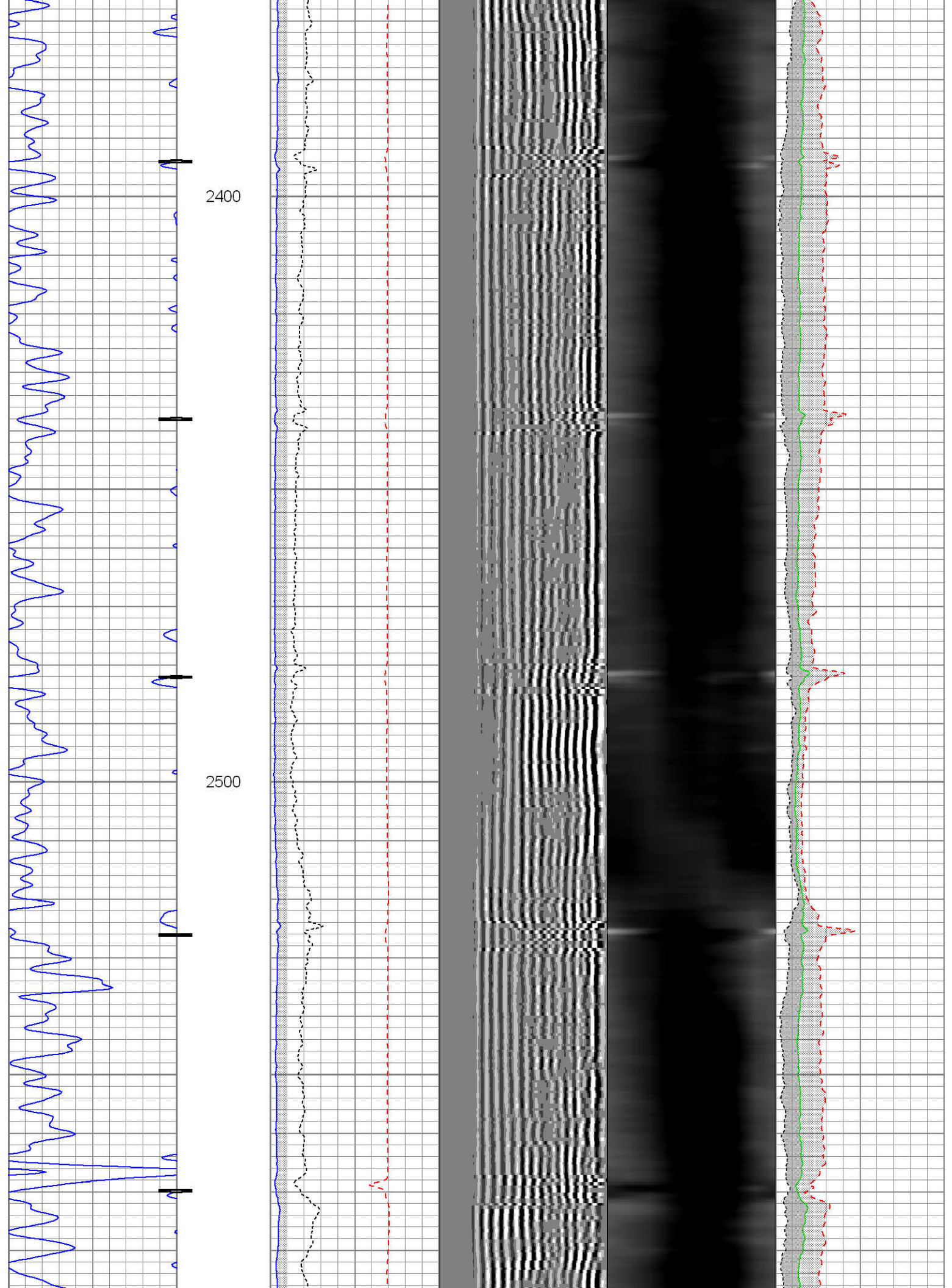


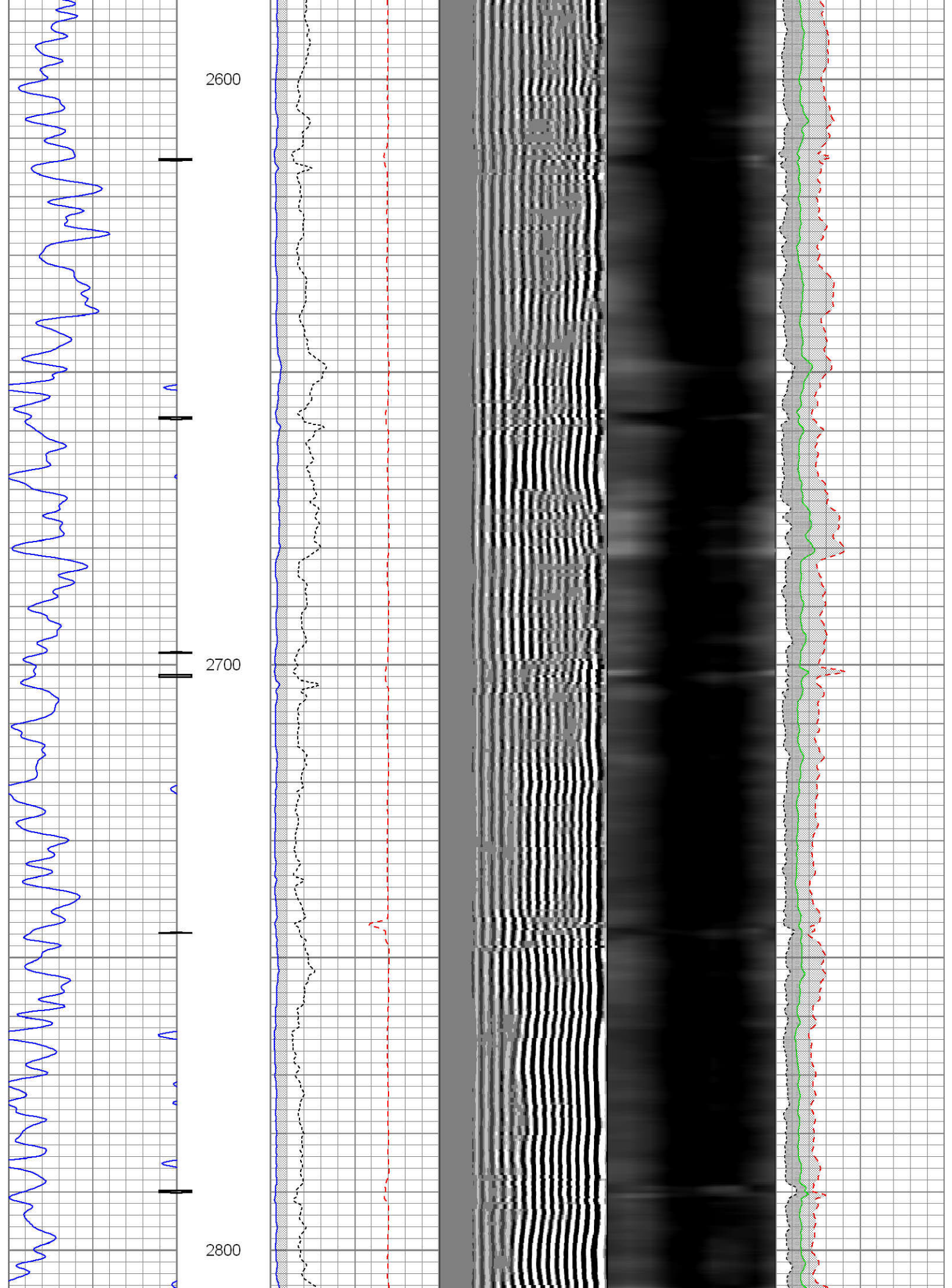


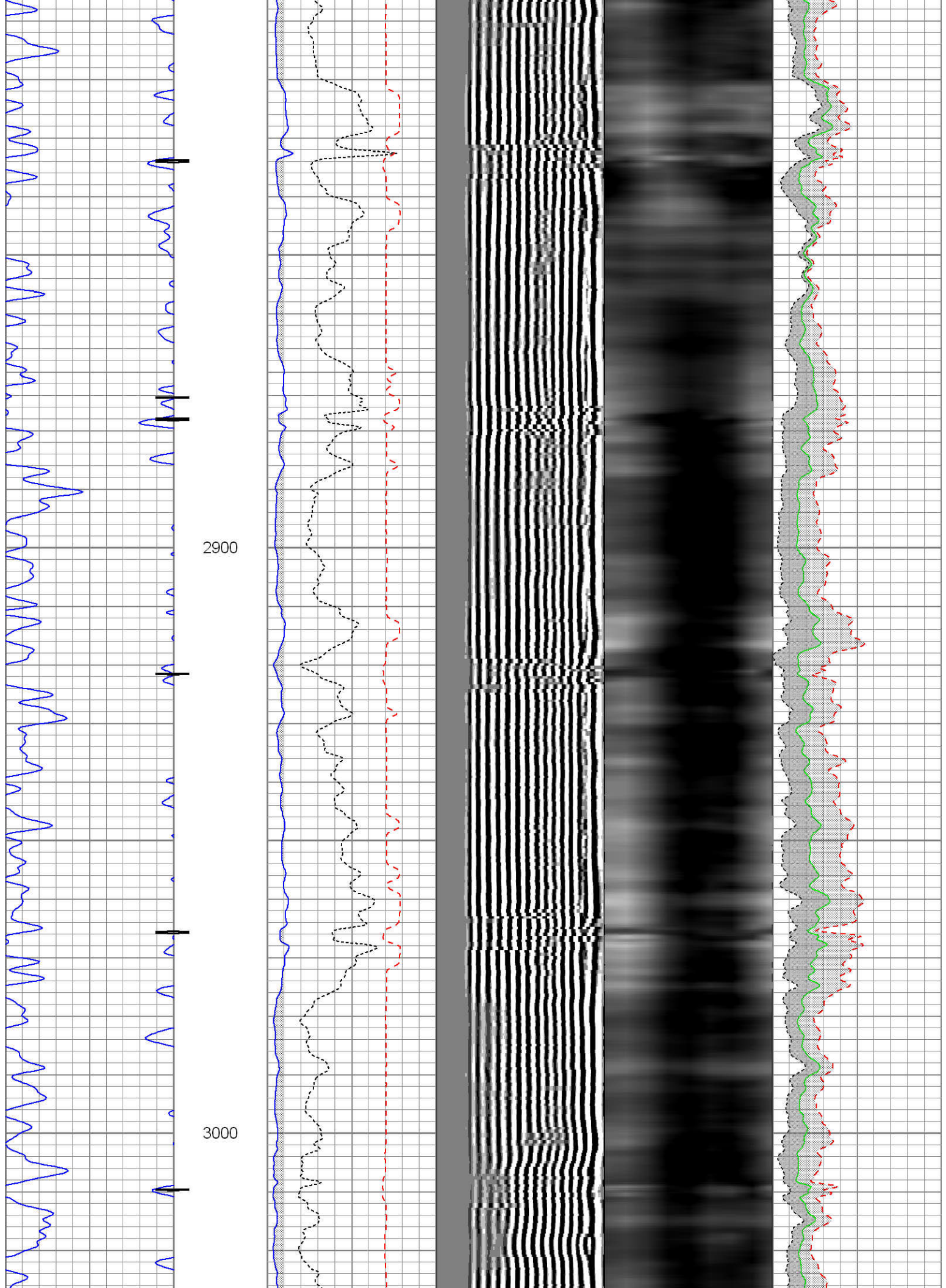


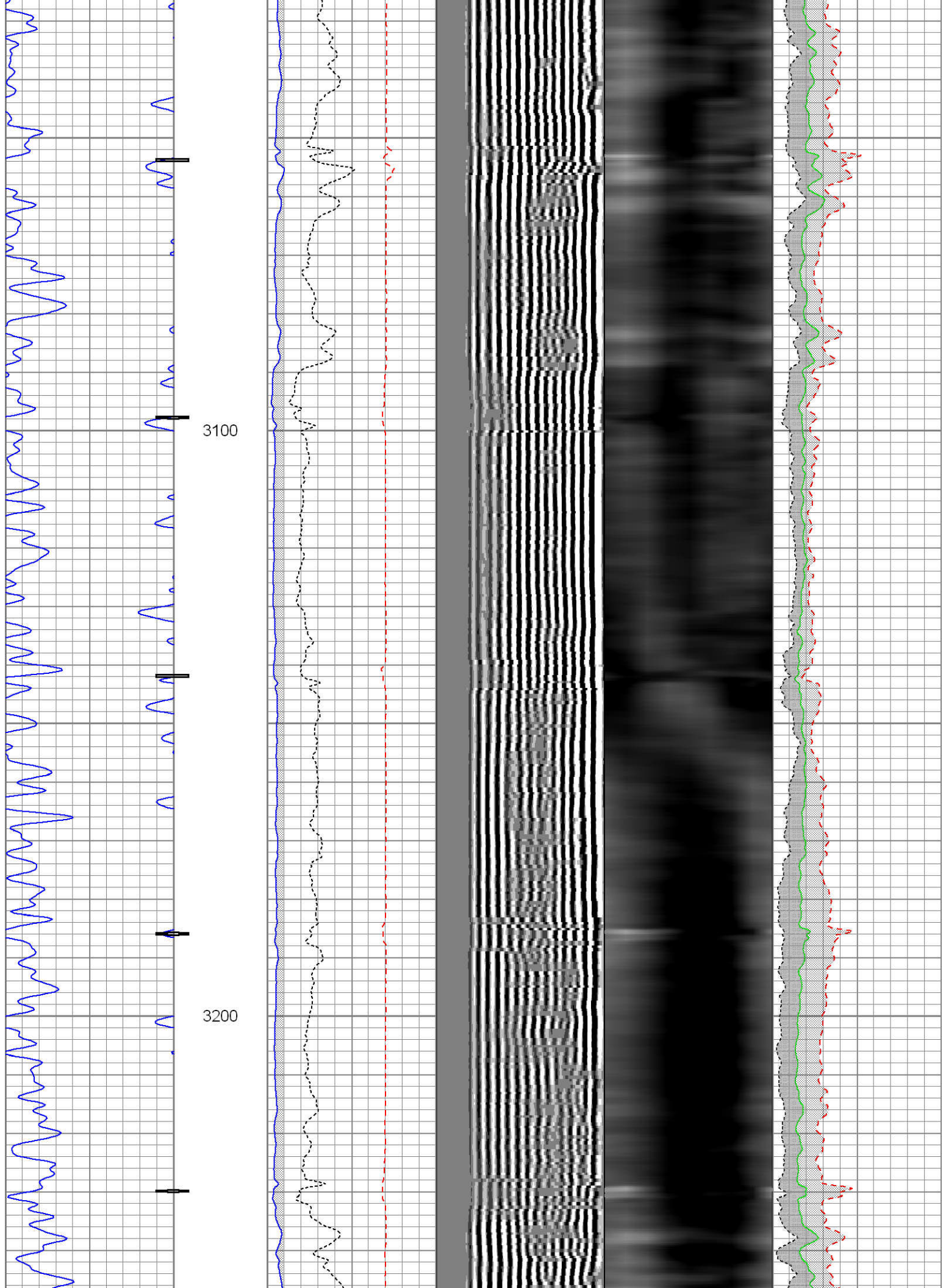


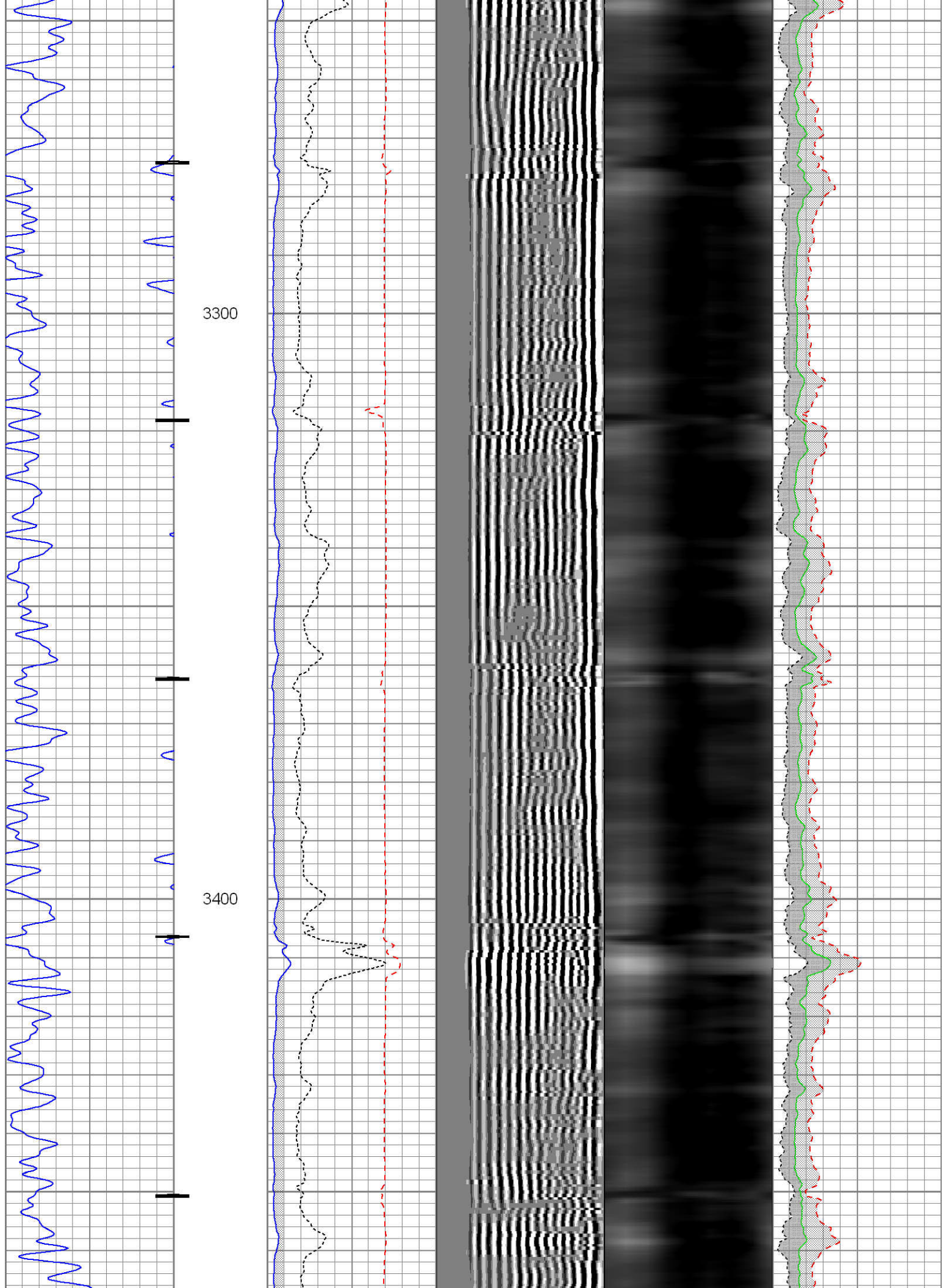


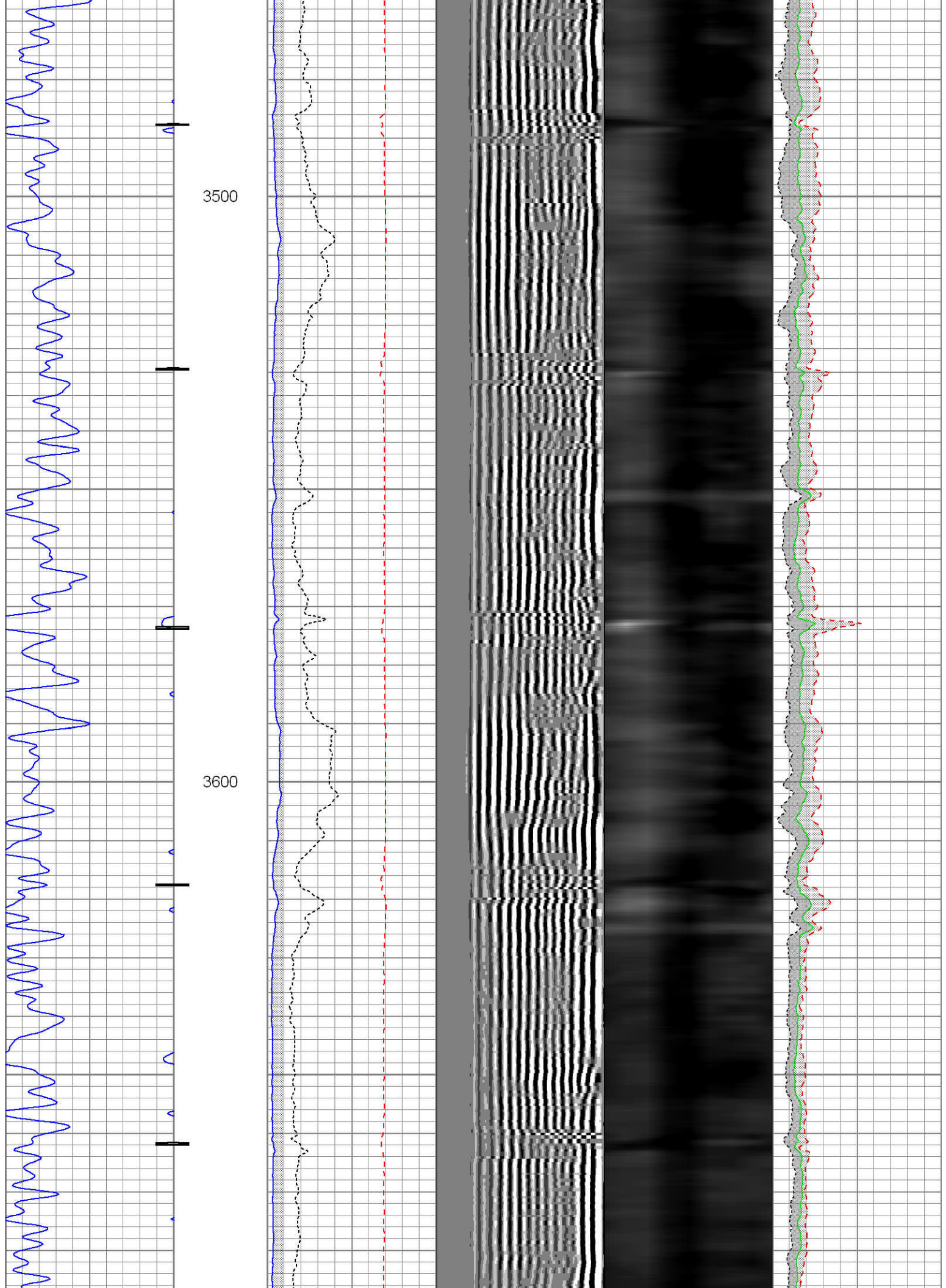


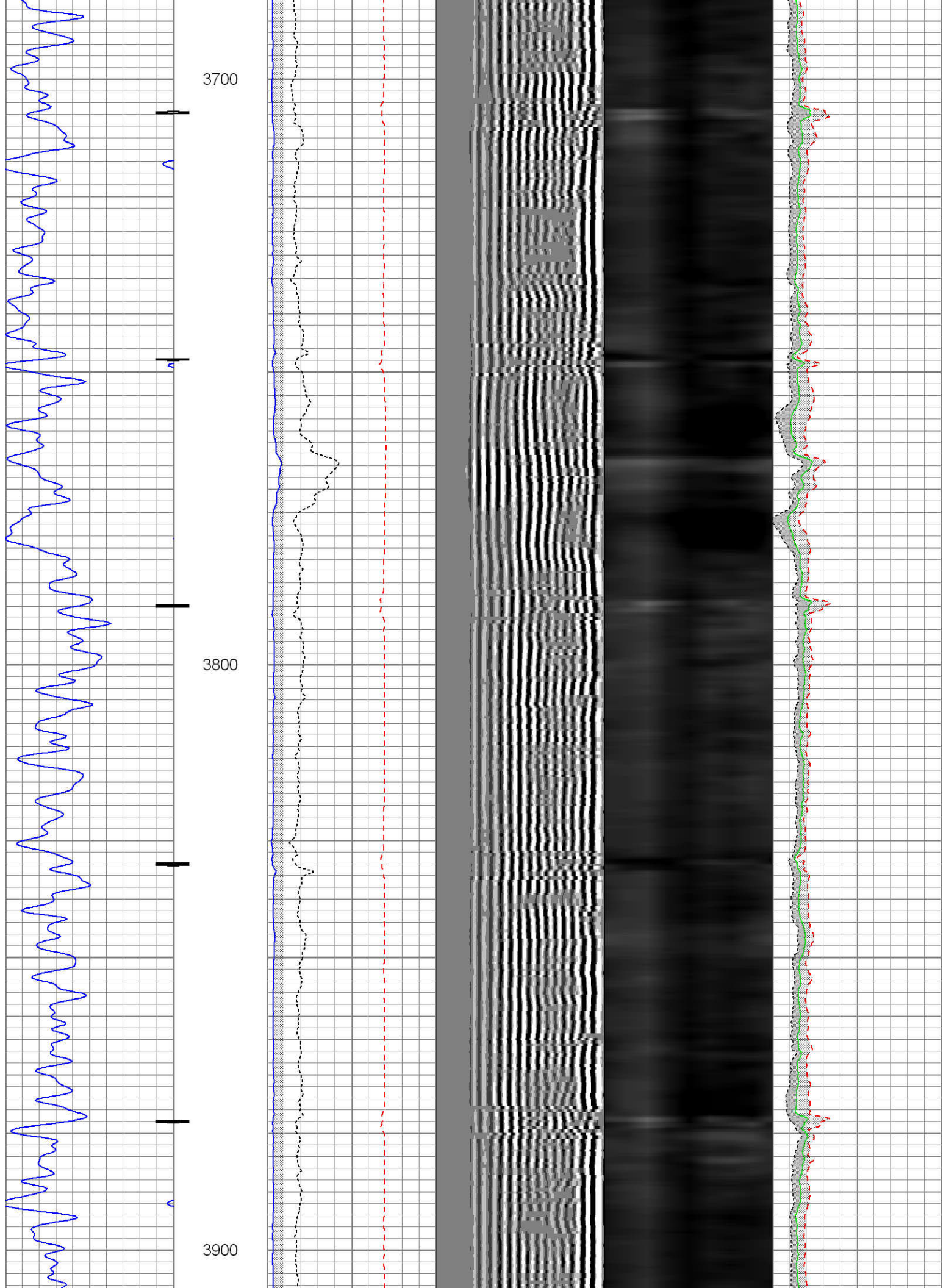


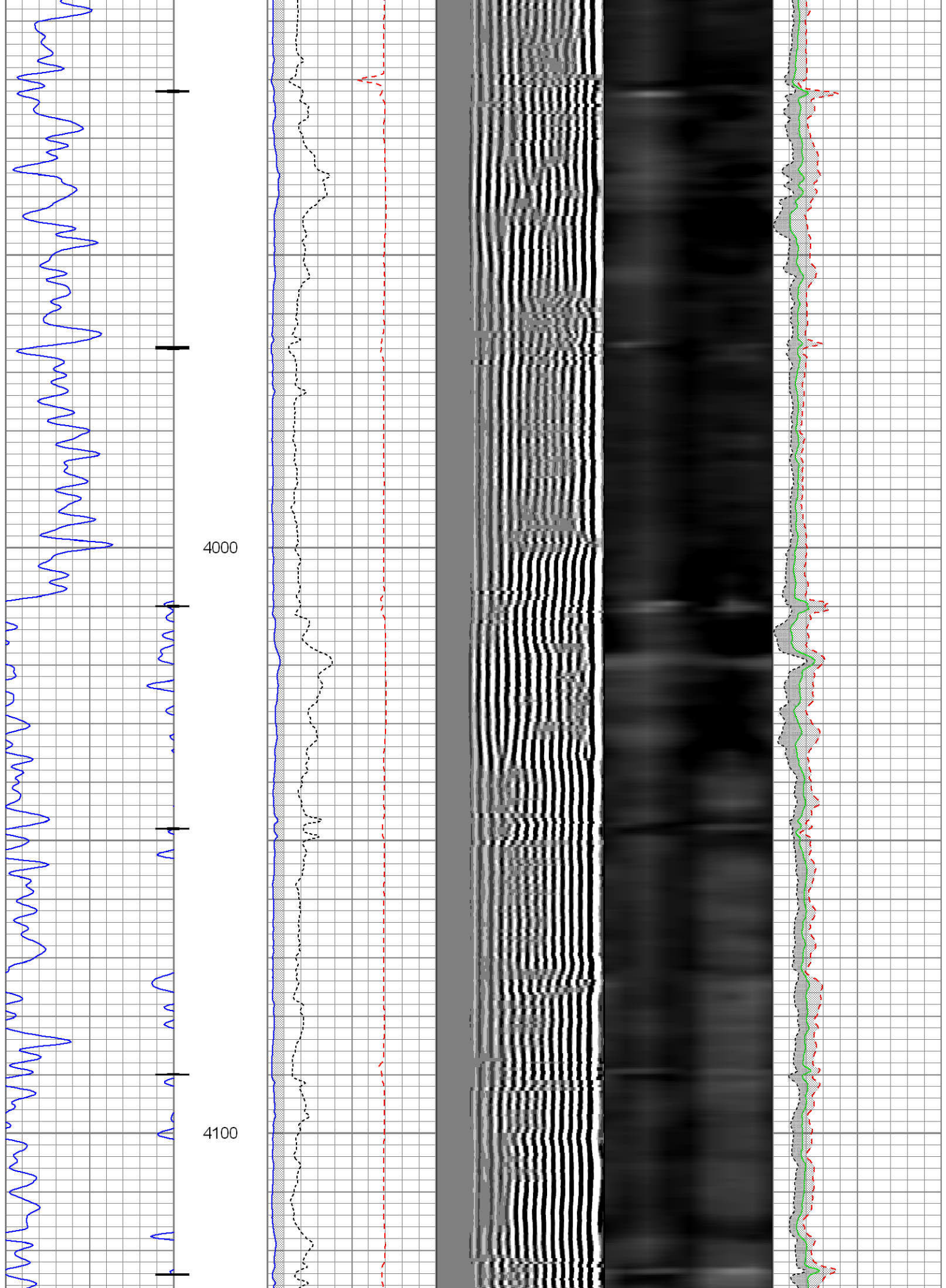


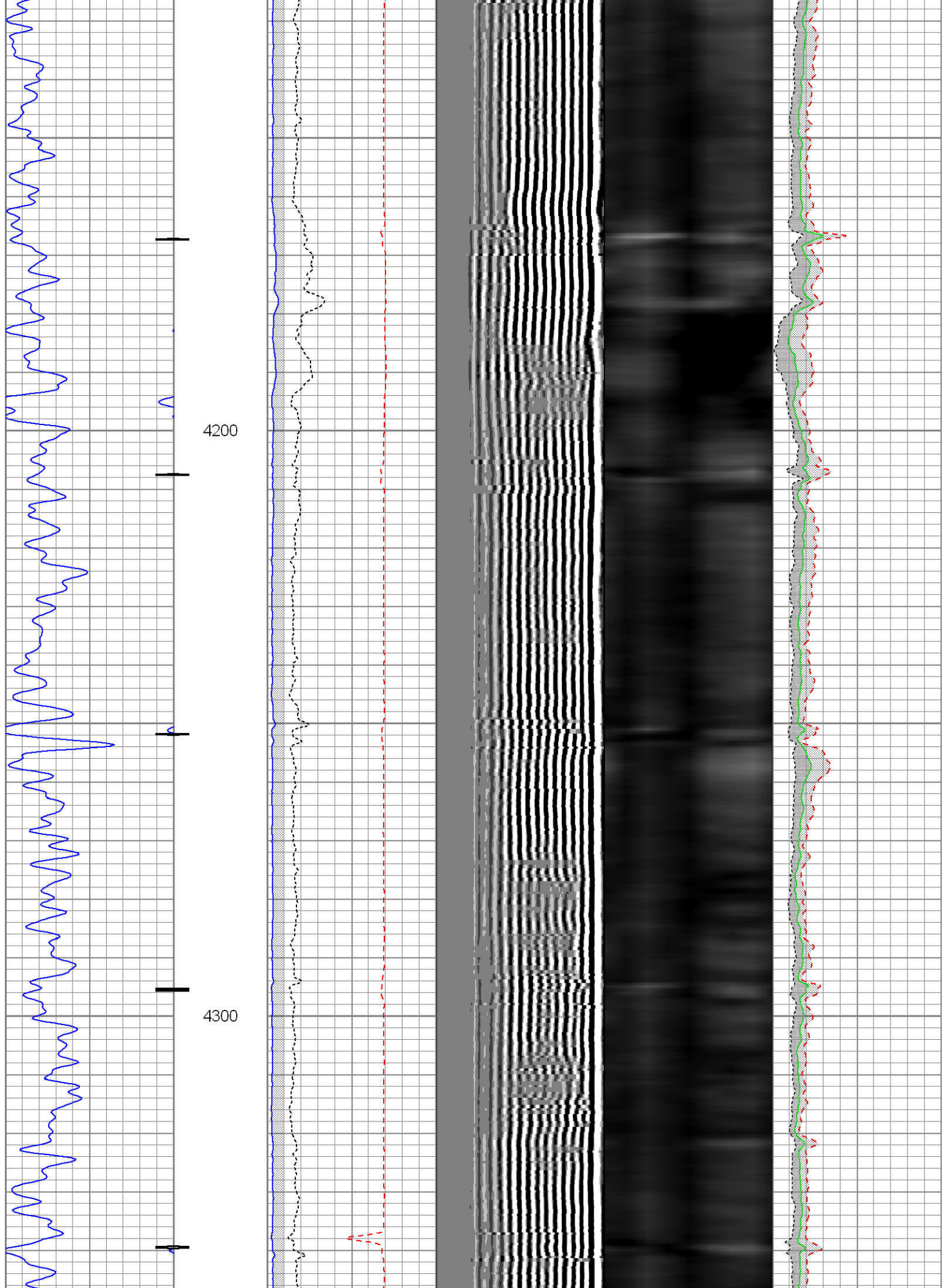


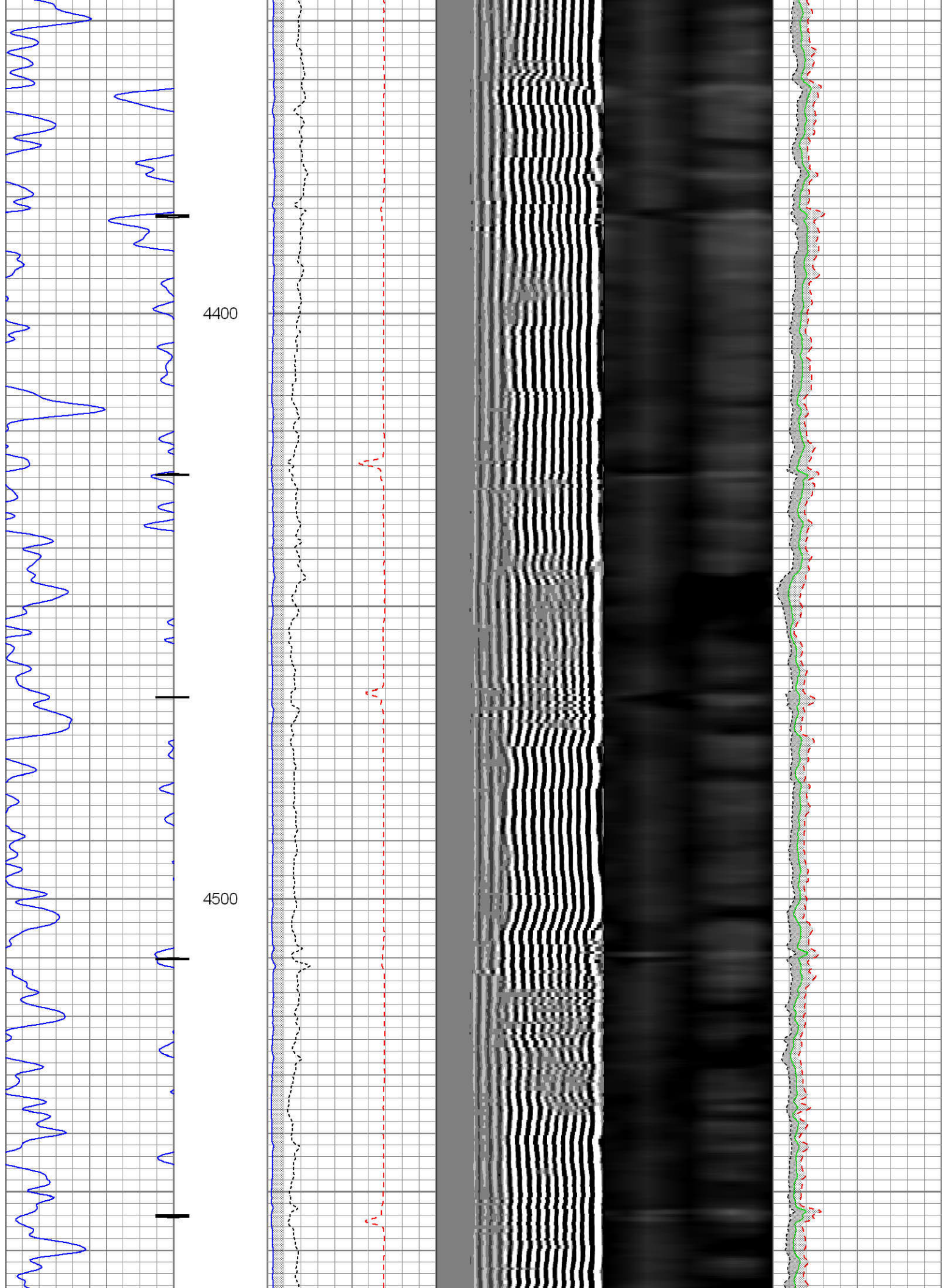


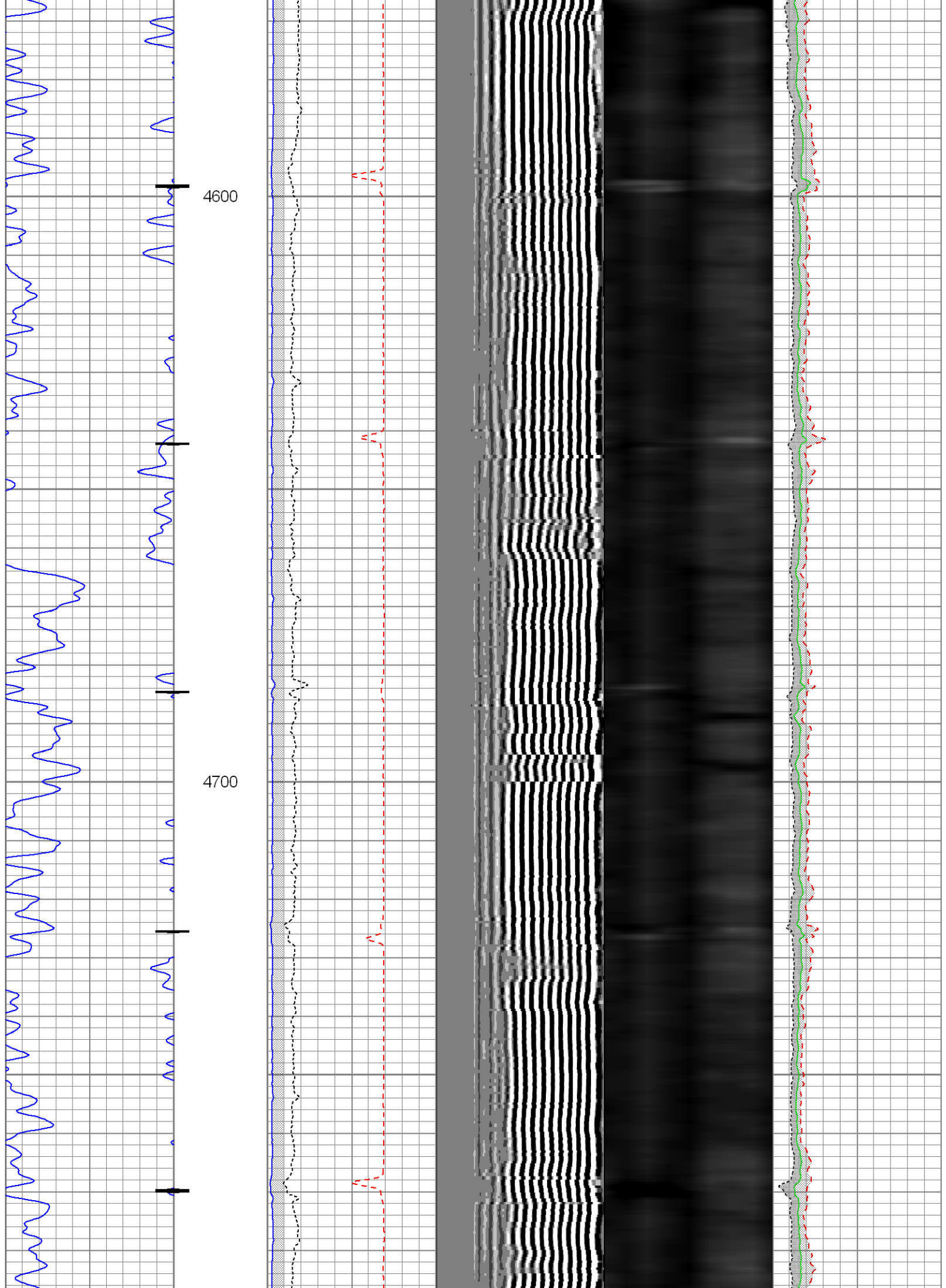


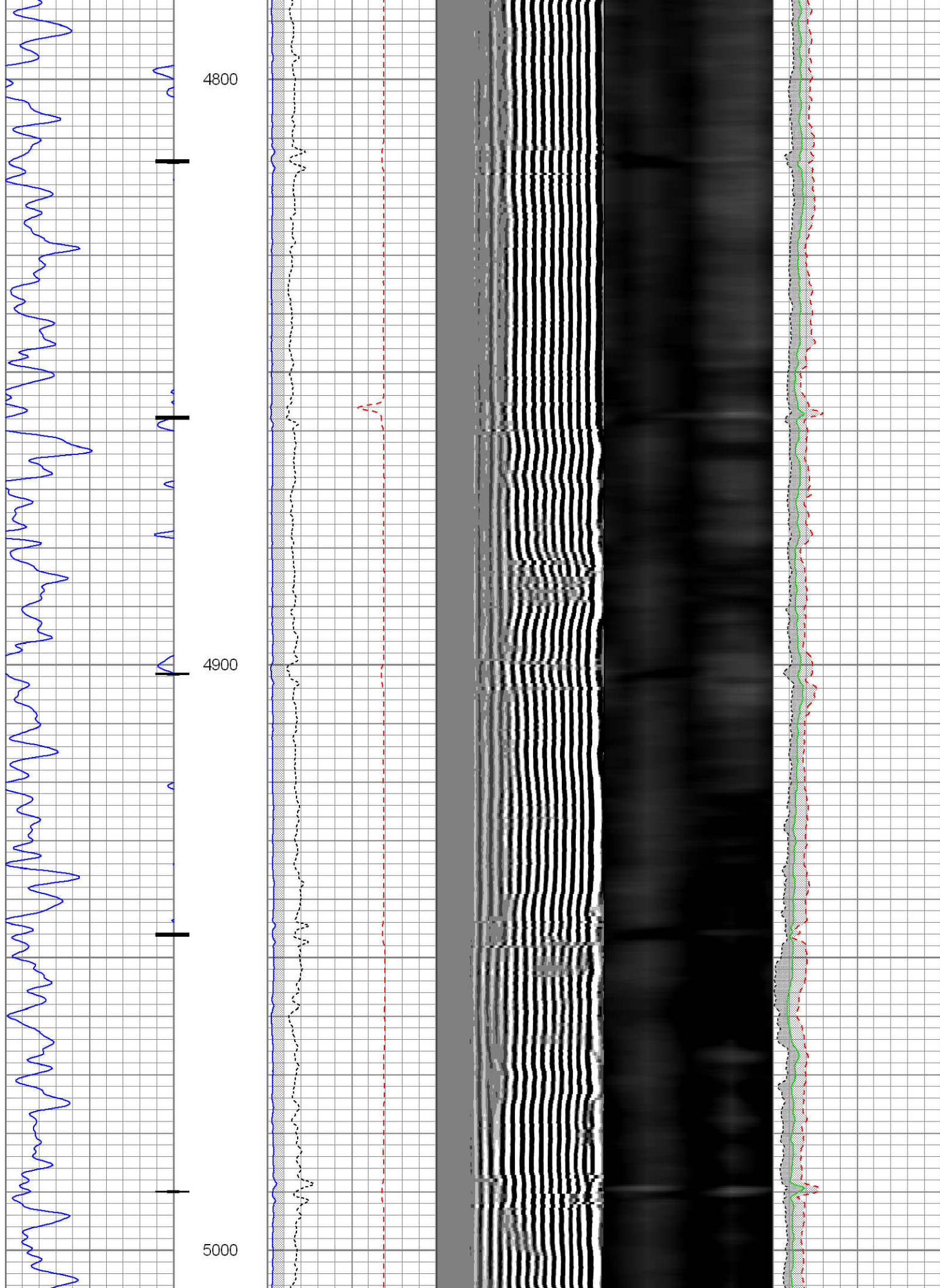


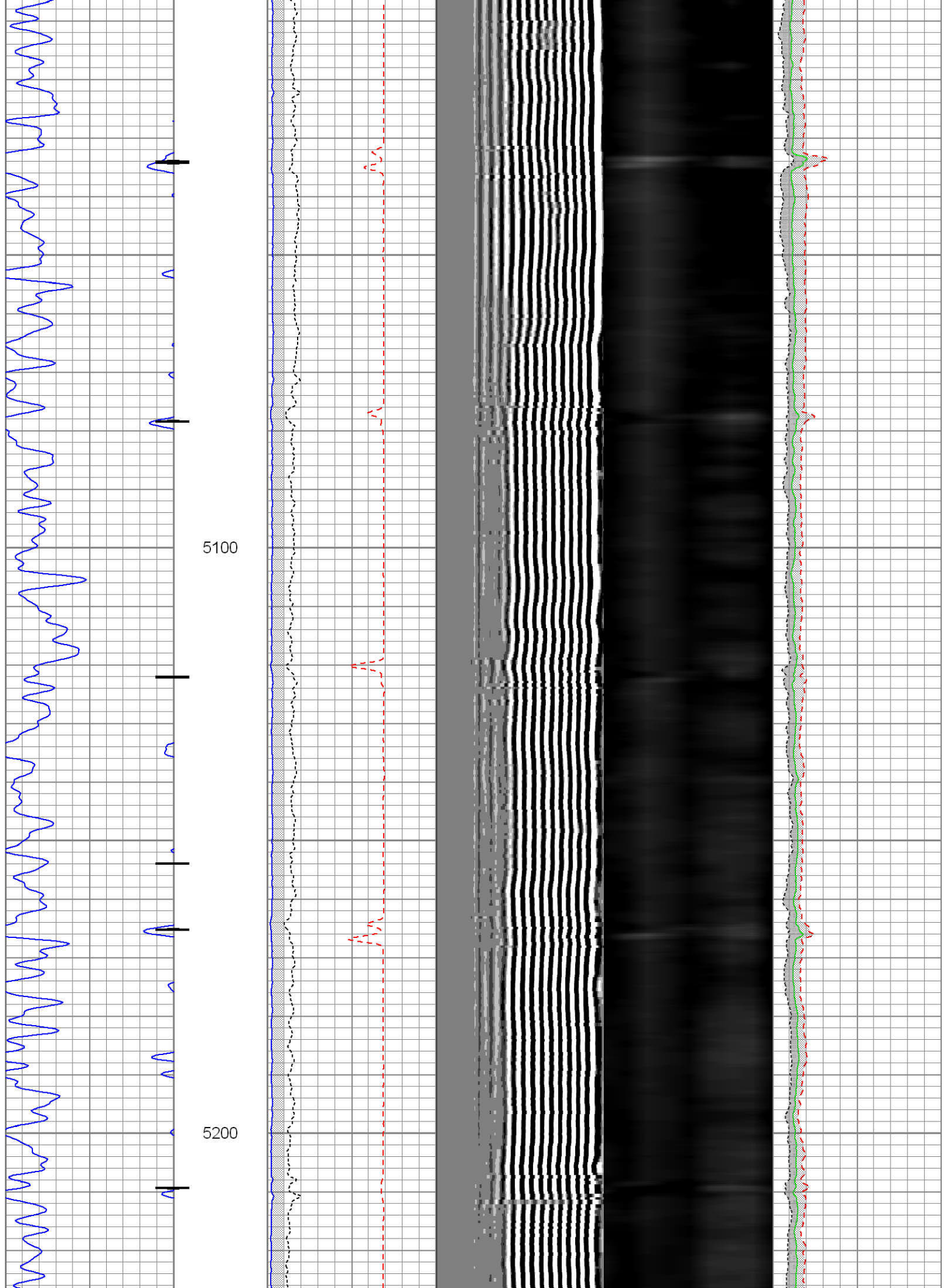


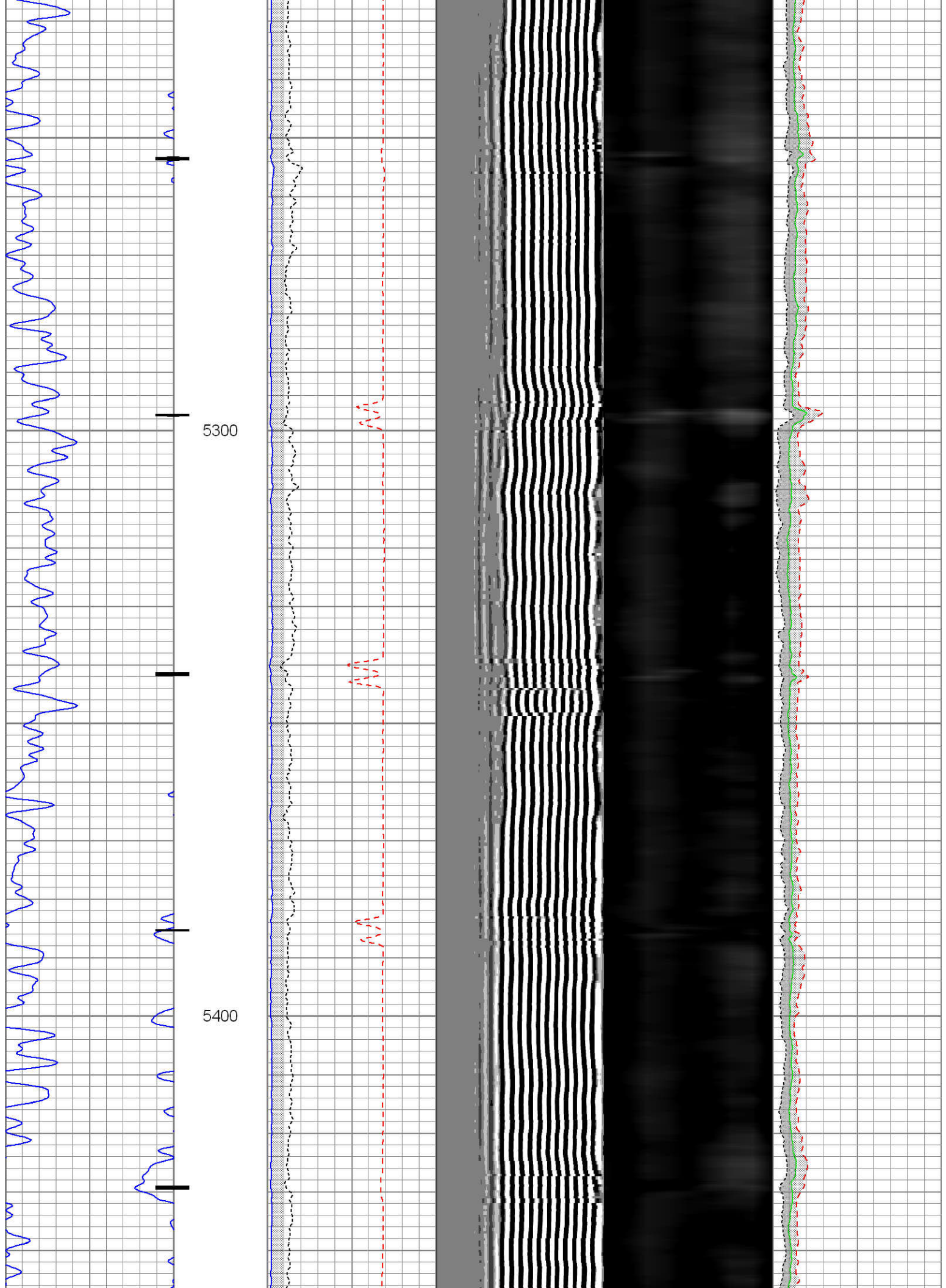


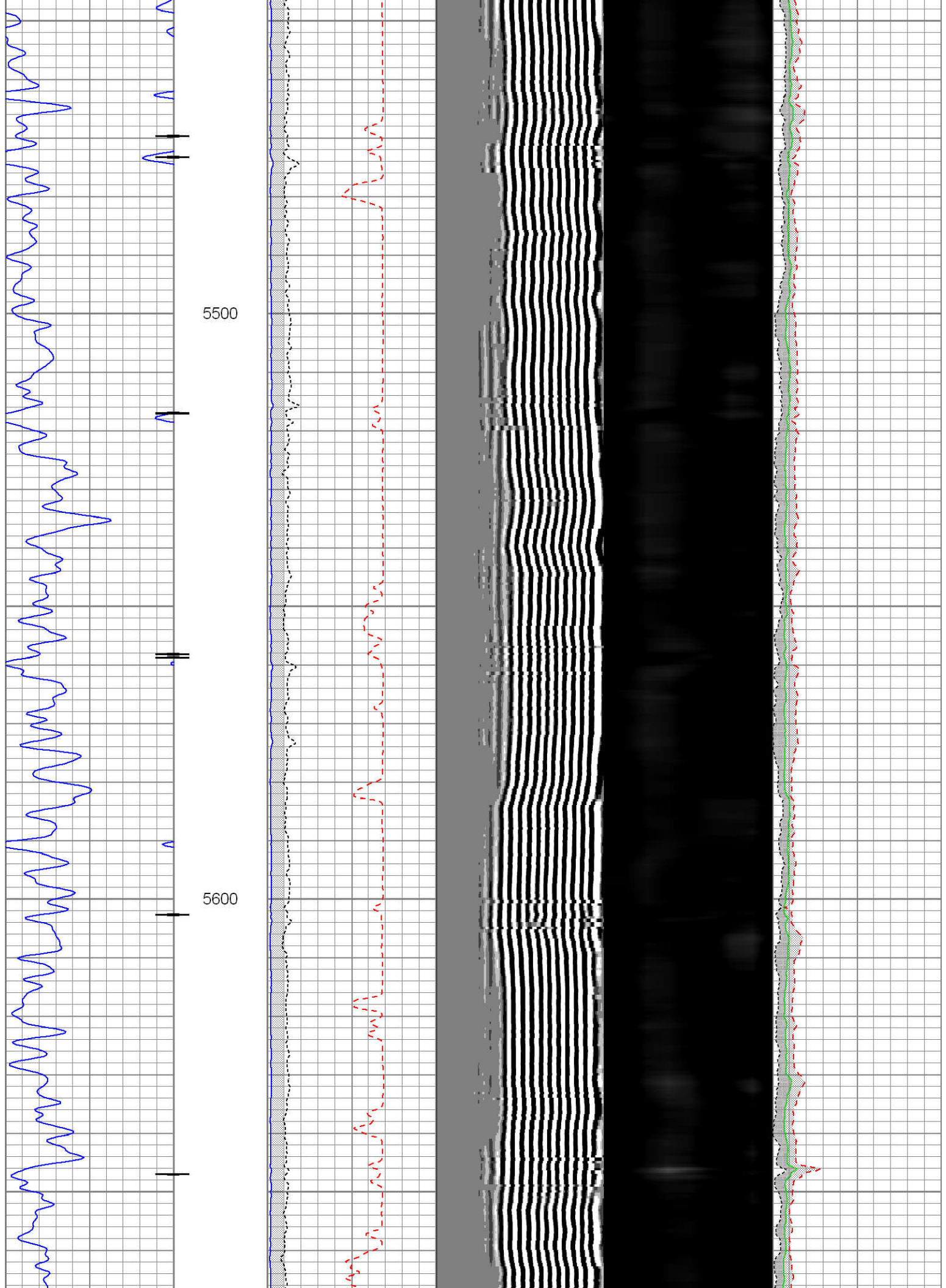


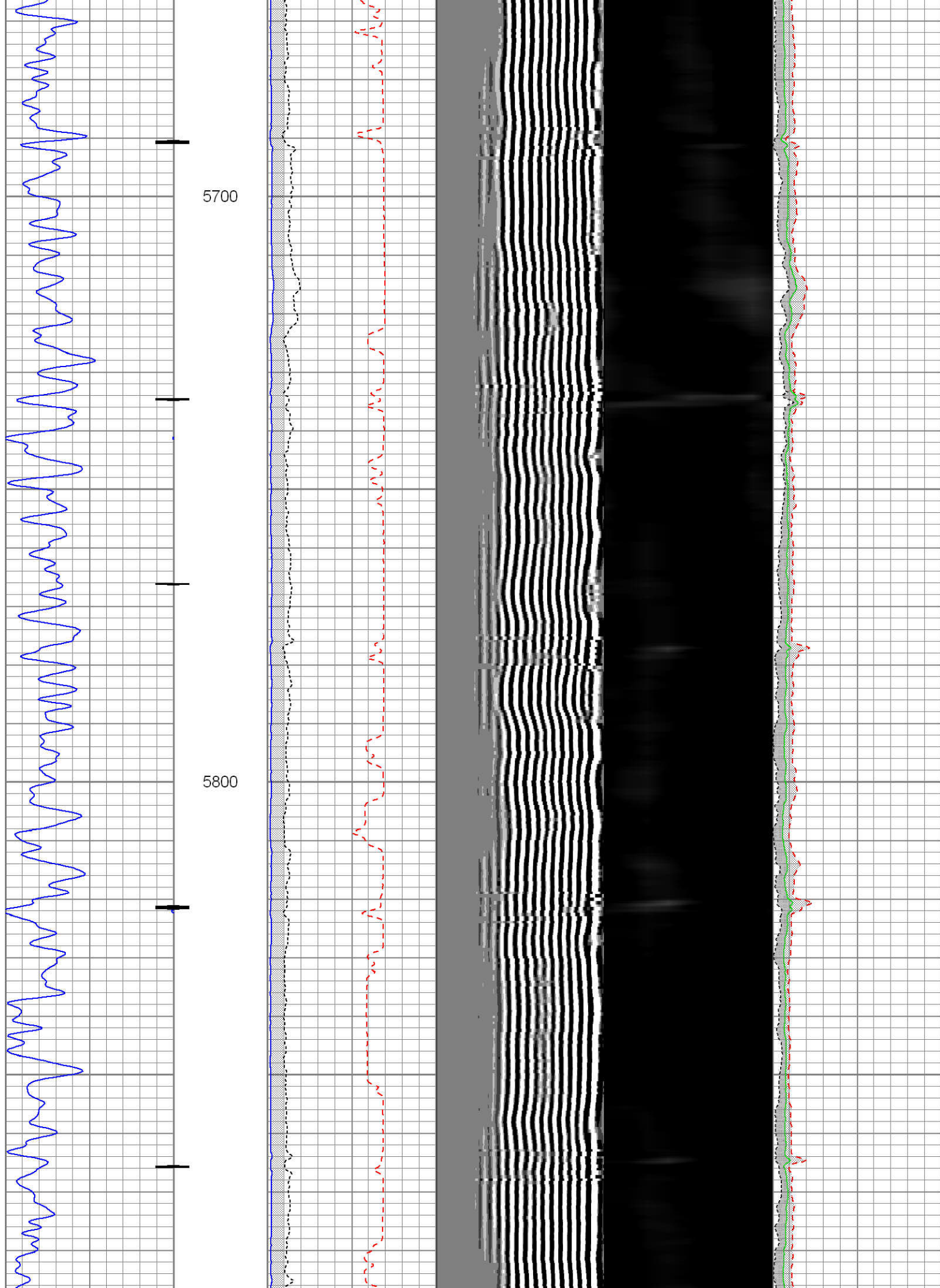


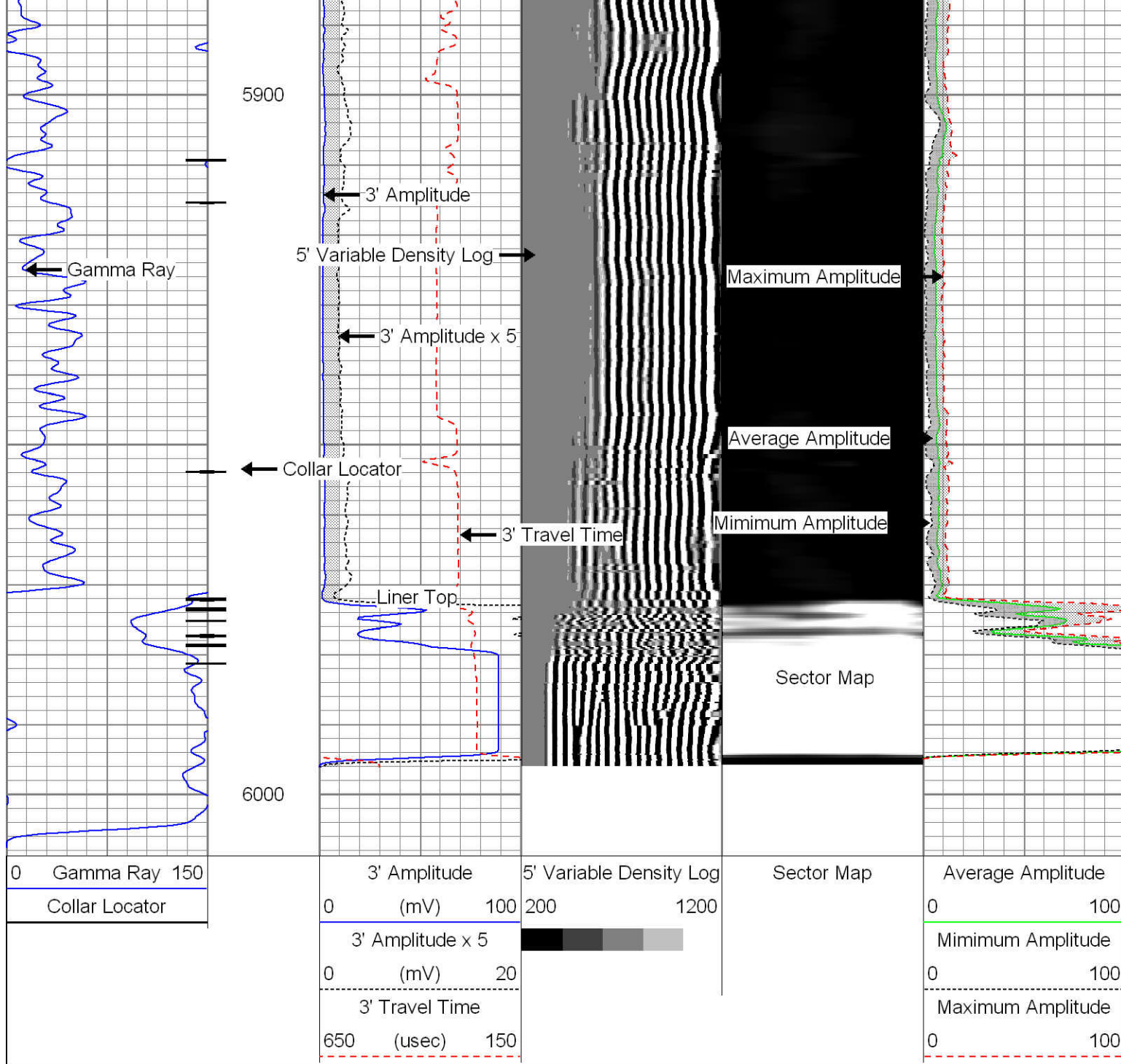






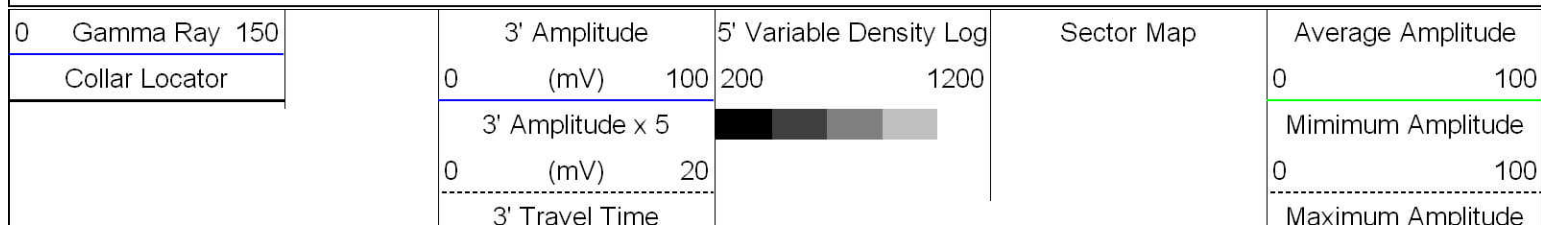






REPEAT SECTION @ 2800 PSI

Database File: kmg_reigle 29c-9hz_cbl.db
 Dataset Pathname: pass3
 Presentation Format: rib usa
 Dataset Creation: Wed Feb 06 12:57:30 2013 by Log SCH 111116
 Charted by: Depth in Feet scaled 1:240



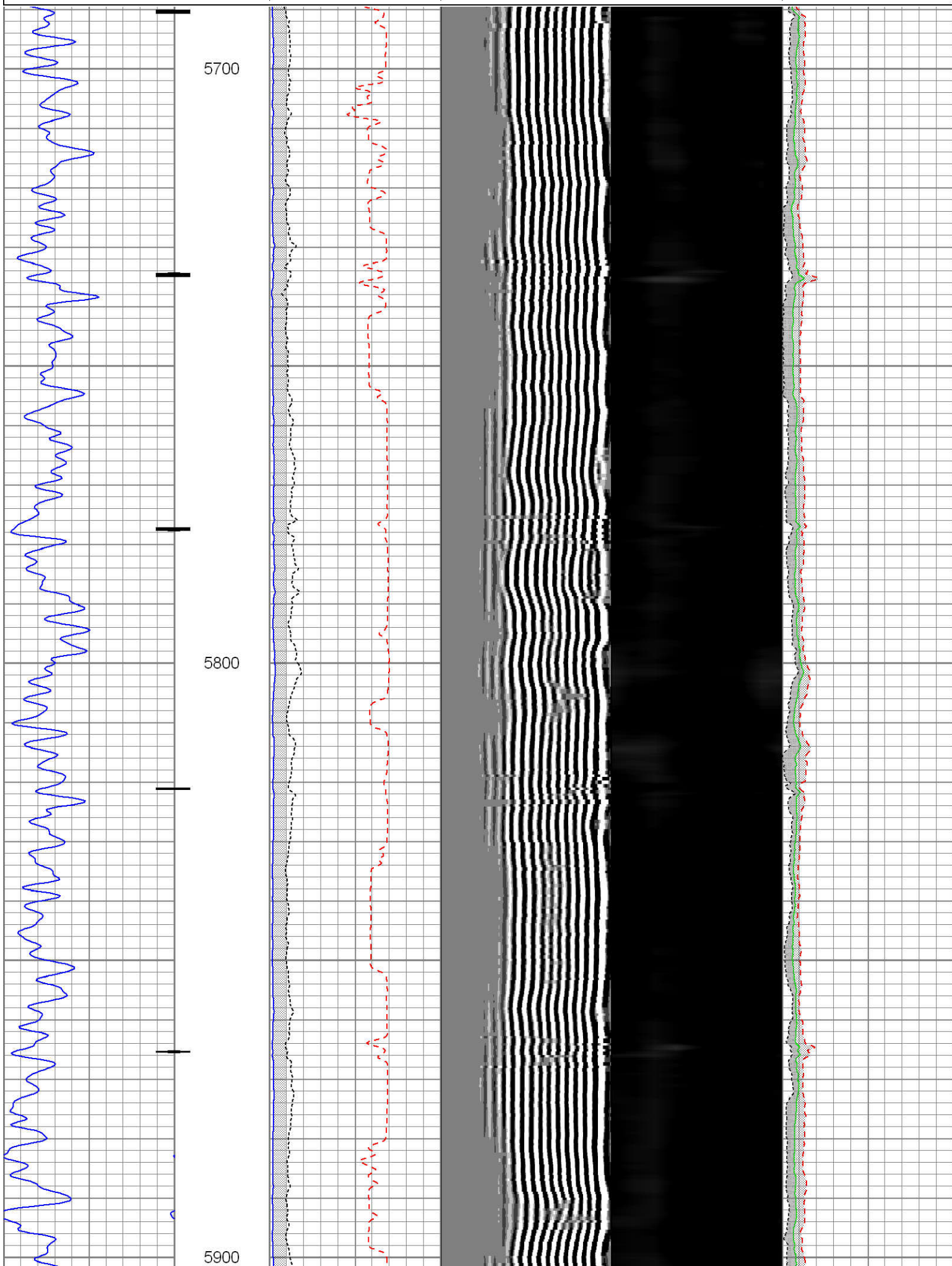
650 (usec) 150

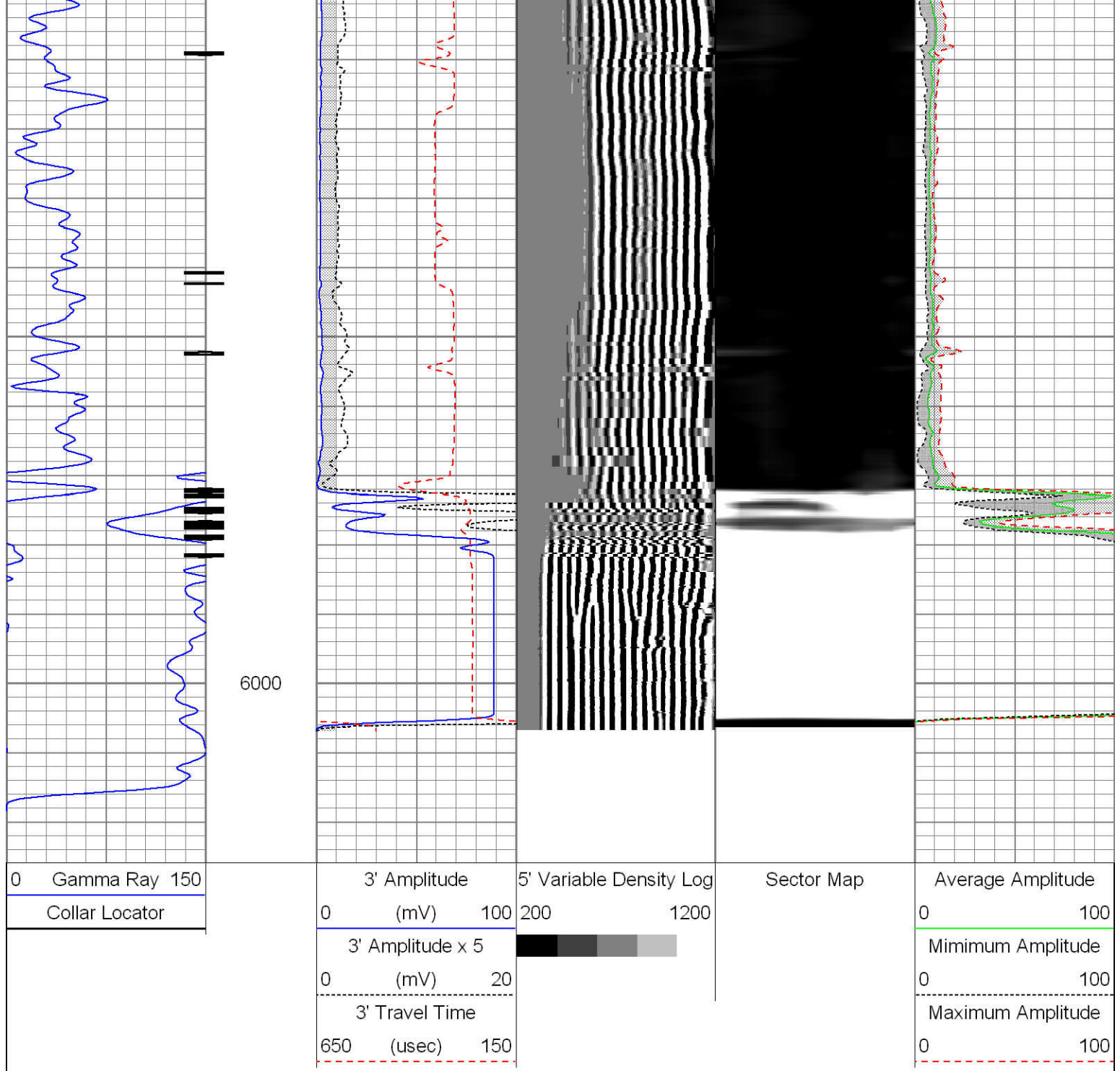
0 100

5700

5800

5900





Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	22.21		STNDRD Standard Cable Head	1.00	1.44	10.00
			CCL-275tekco (2.75TEKCO) 2 3/4 TEK CCL Earth Mag	1.92	2.75	20.00
			SDSCENT Centralizer for testing	2.73	2.75	20.00

