



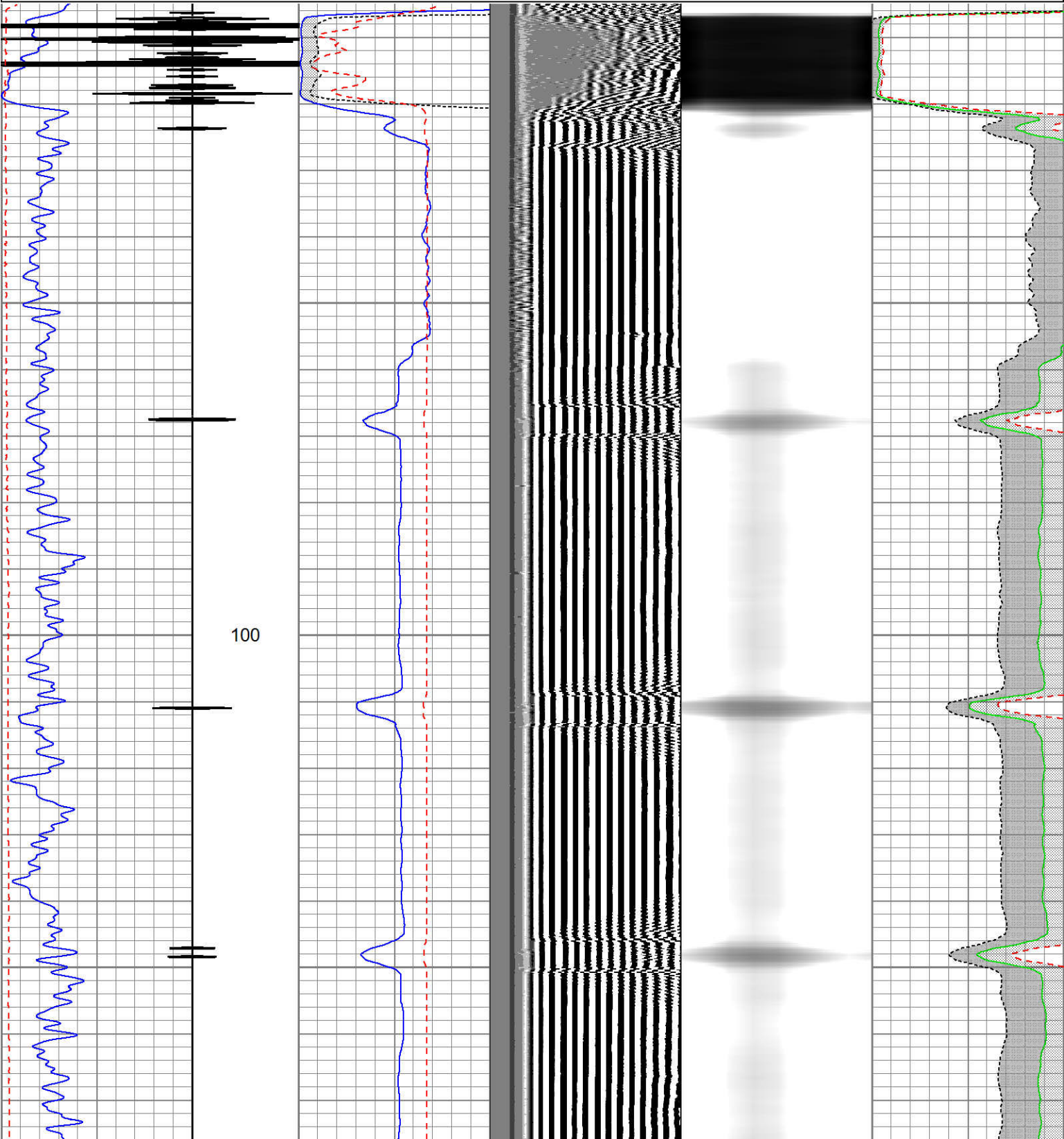
<<< Fold Here >>>

Comments

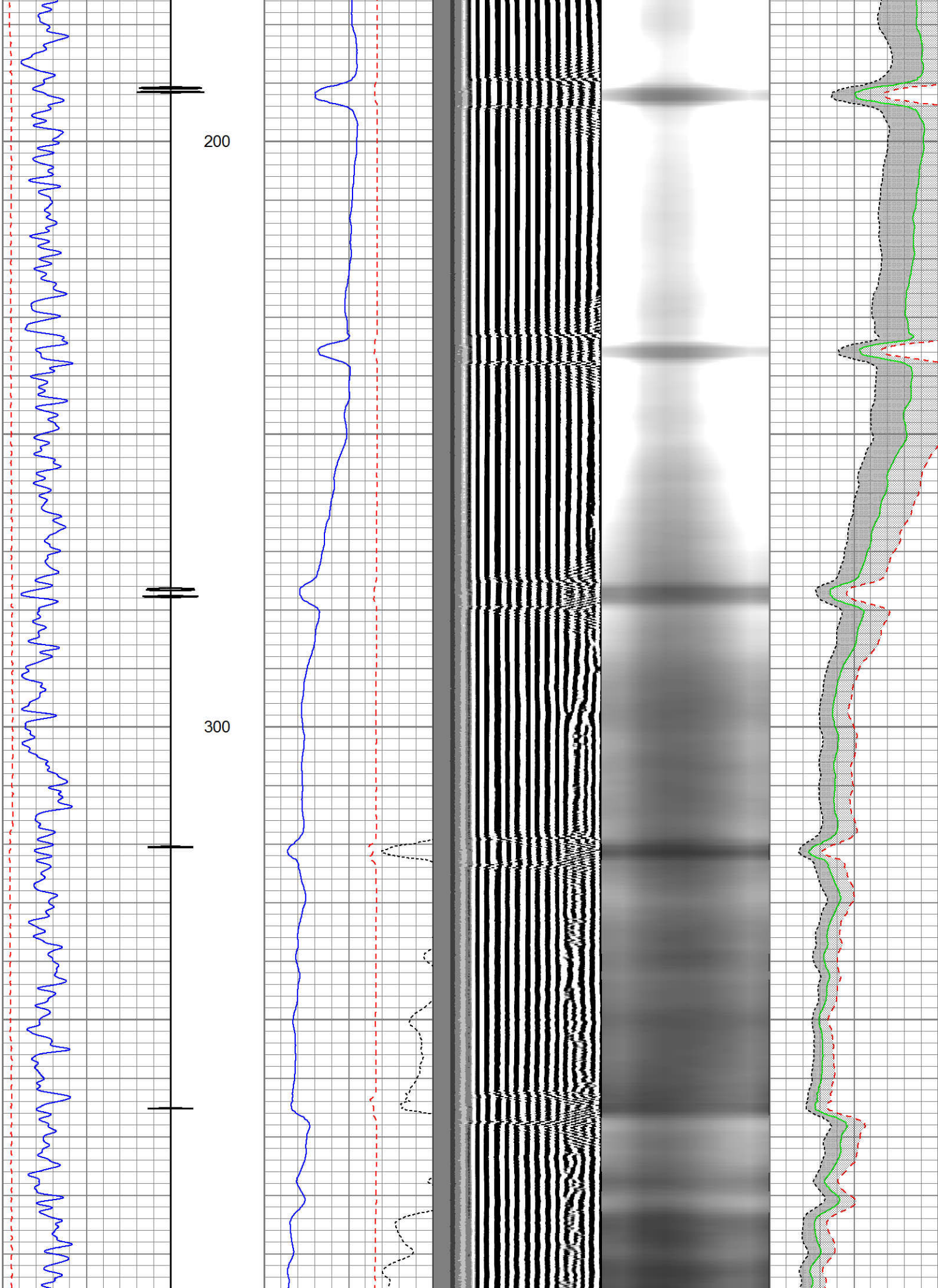
Thank You For Choosing FMC Technologies Completion Services, Inc.

# Main Pass 2800 PSI

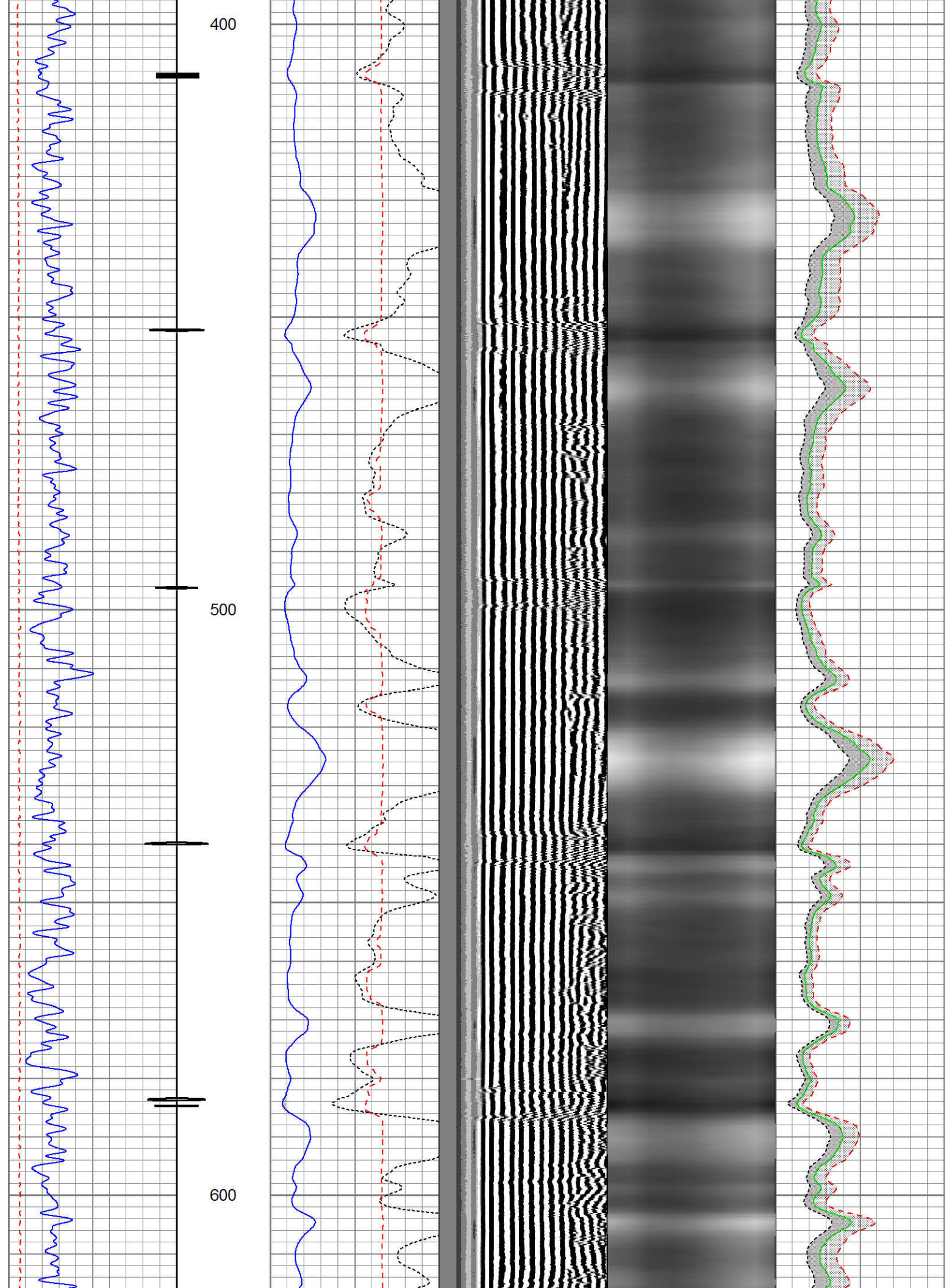
Gamma Ray		3' Amplitude		5' Variable Density Log	Sector Map	Average Amplitude			
0	(GAPI) 150	0	(mV) 100			200	1200	0	100
Collar Locator		3' Amplitude x 5				Minimum Amplitude			
0	Tension (lb) 2000	0	(mV) 20			0 100			
		3' Travel Time		Maximum Amplitude					
		650	(usec) 150	0 100					



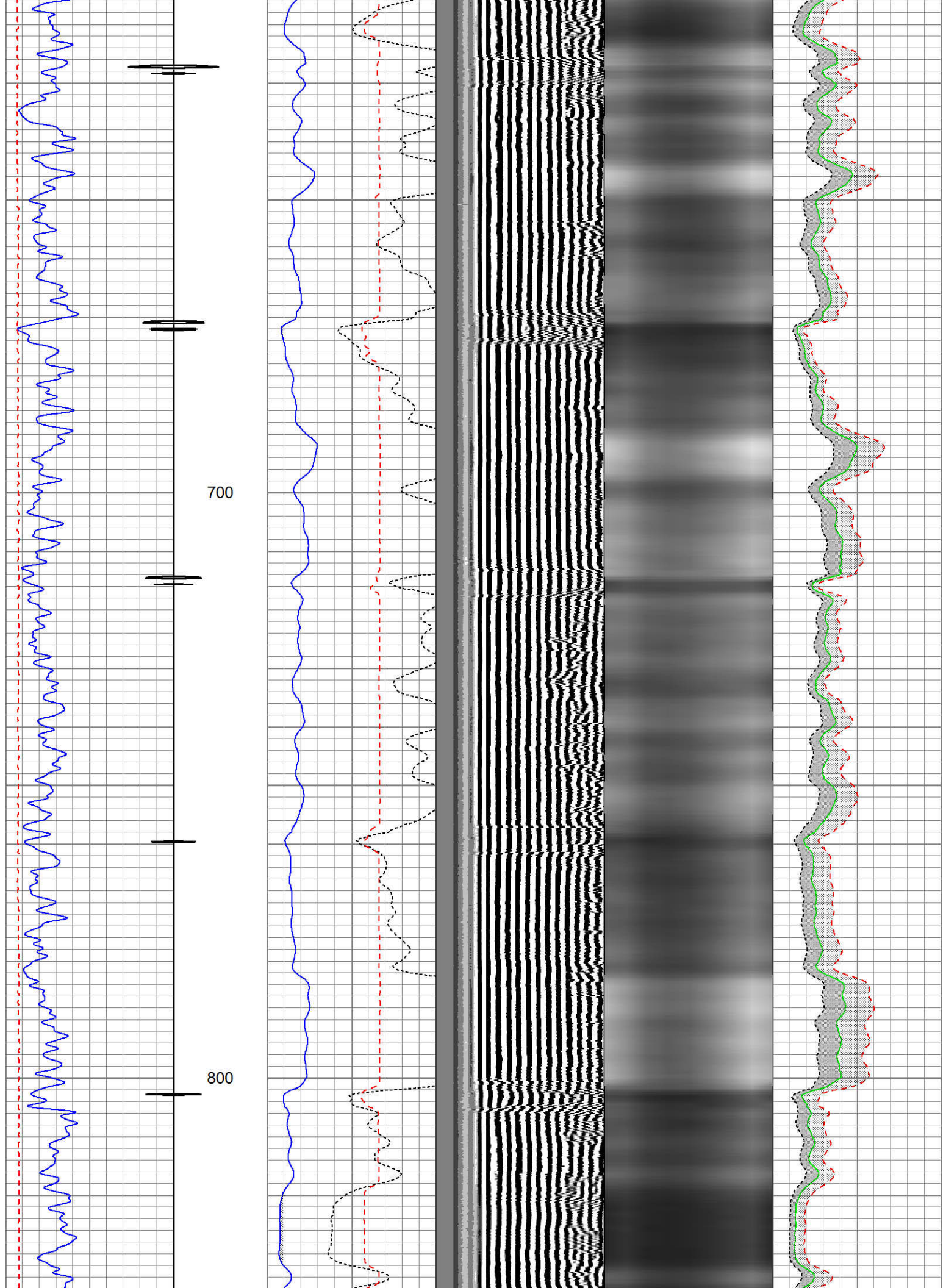




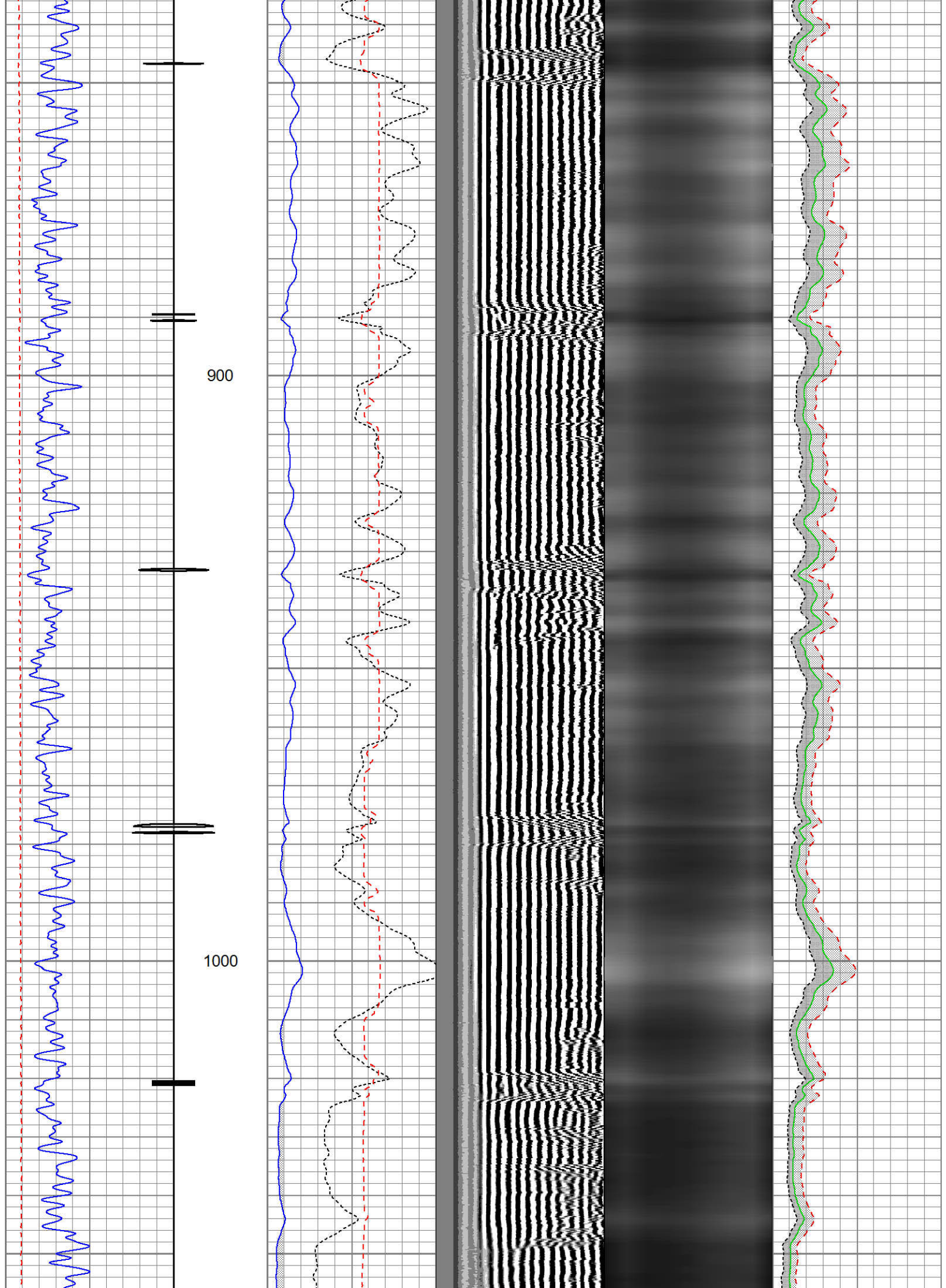




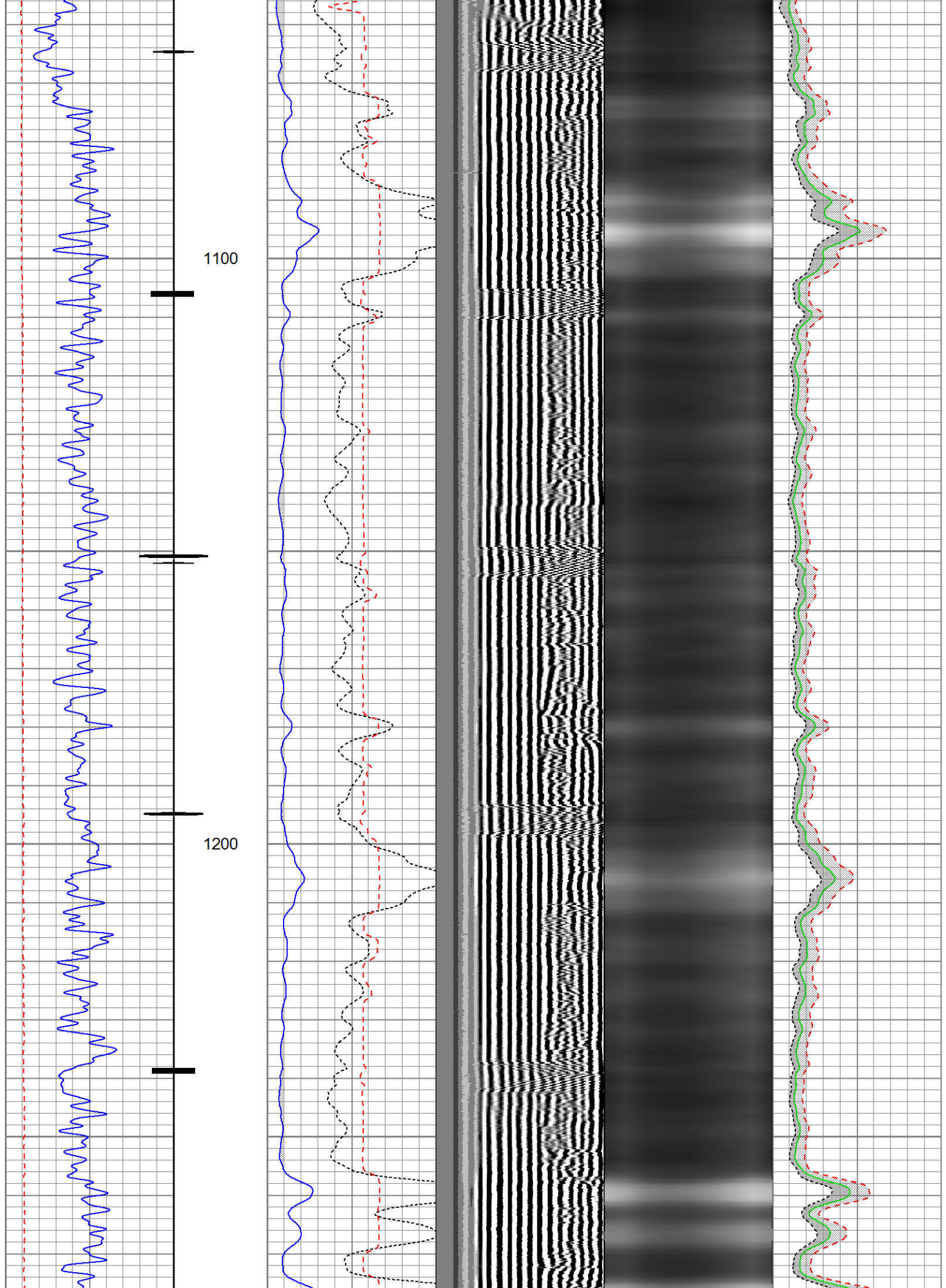




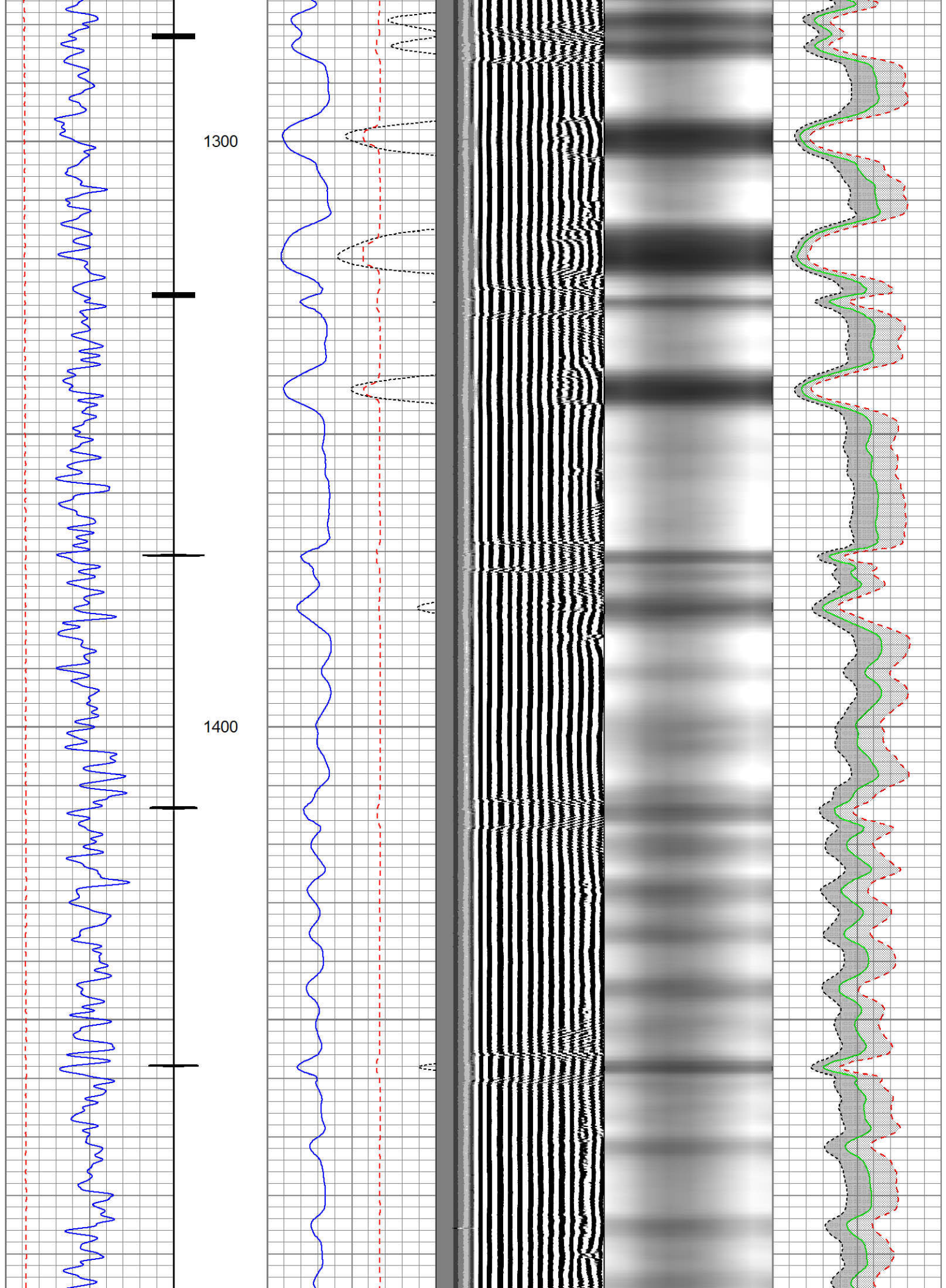




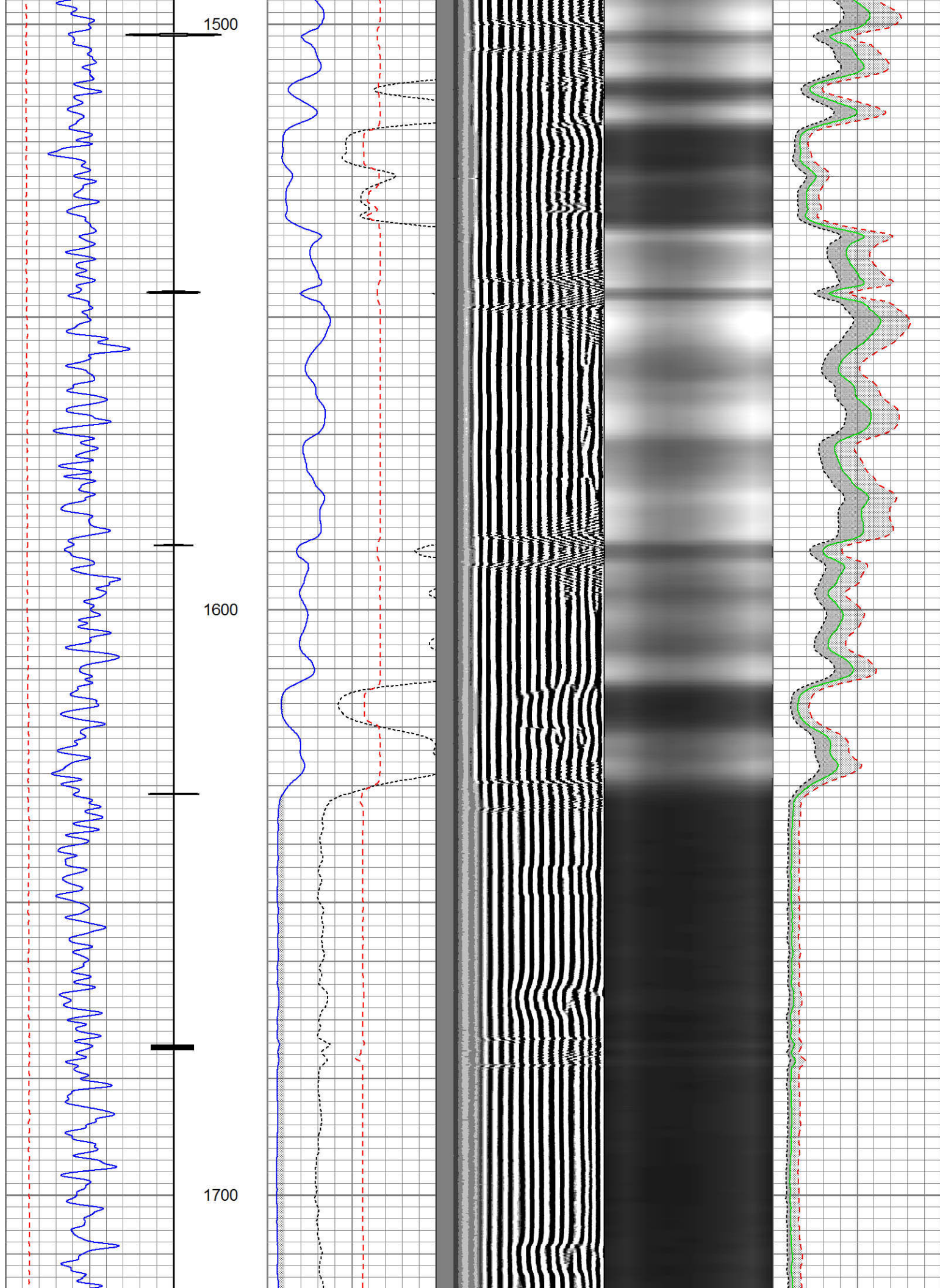




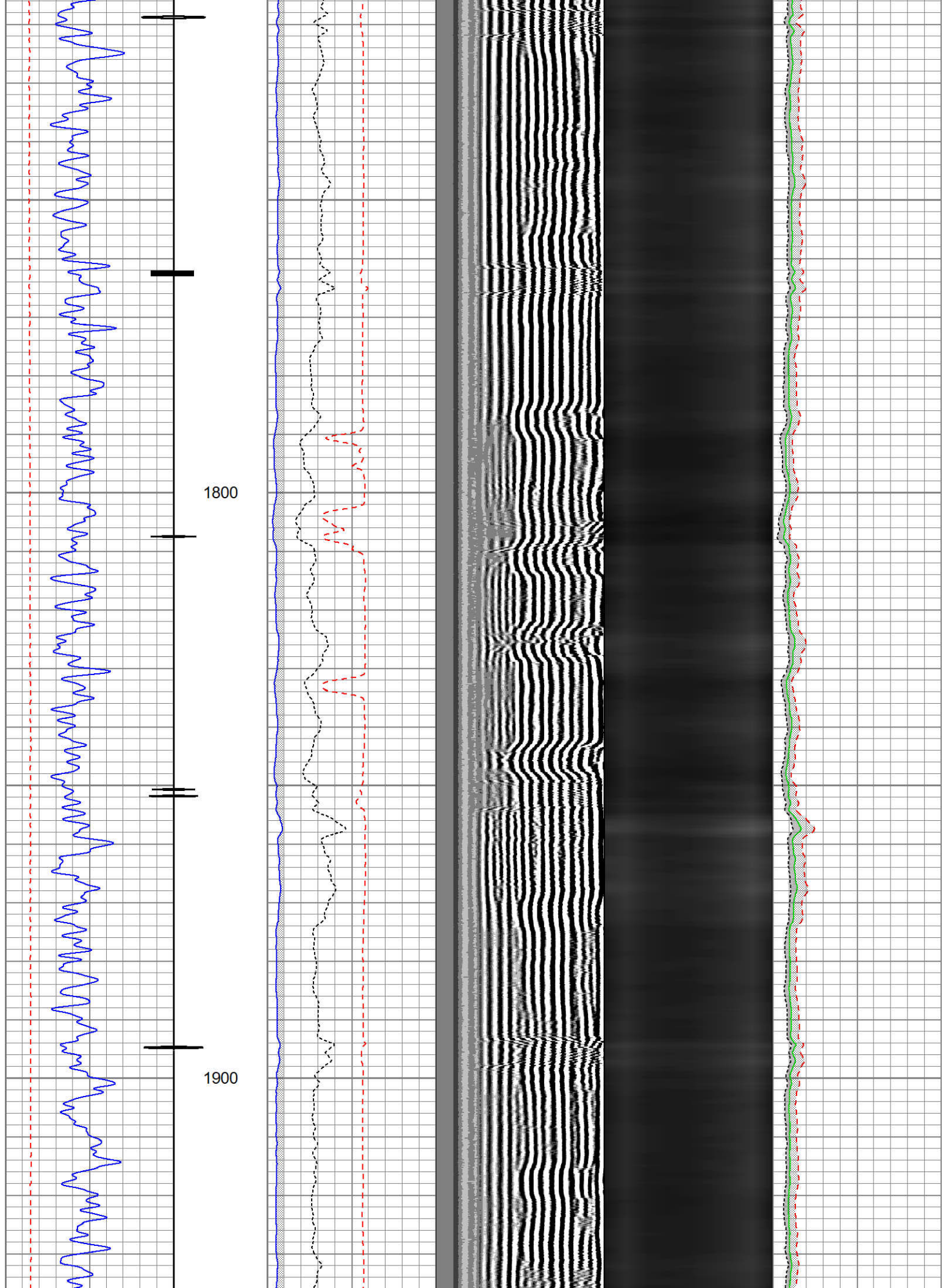




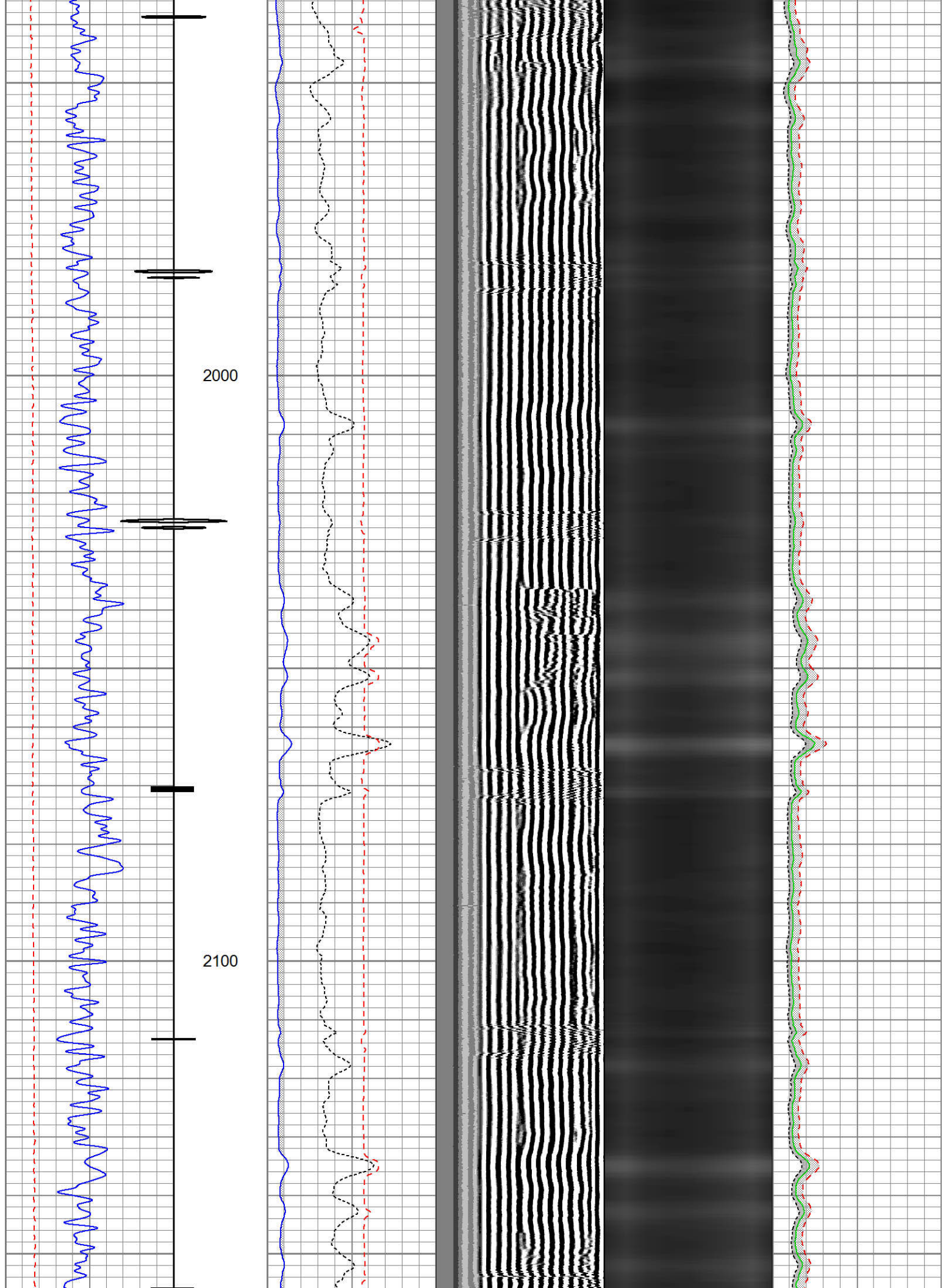


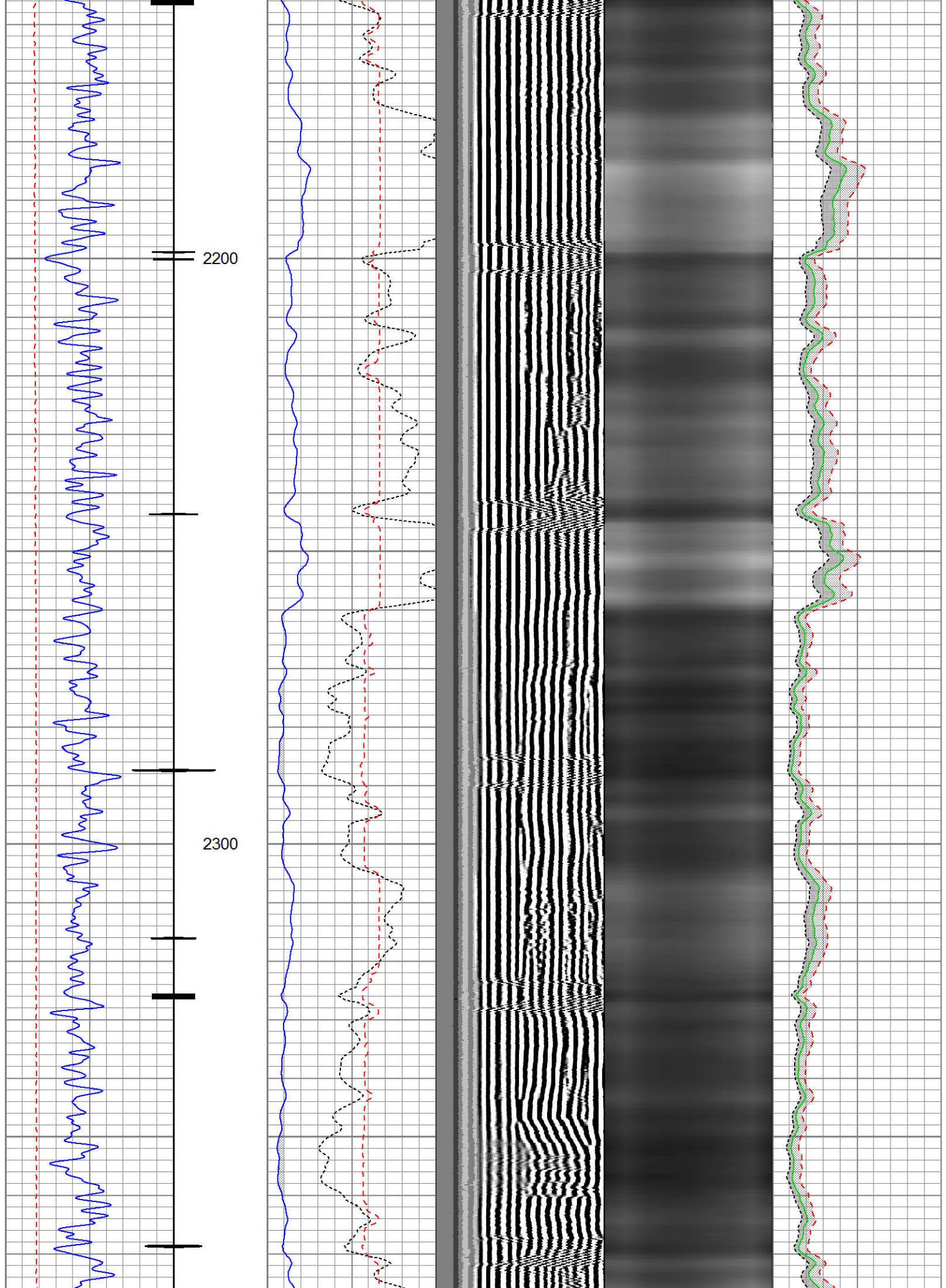




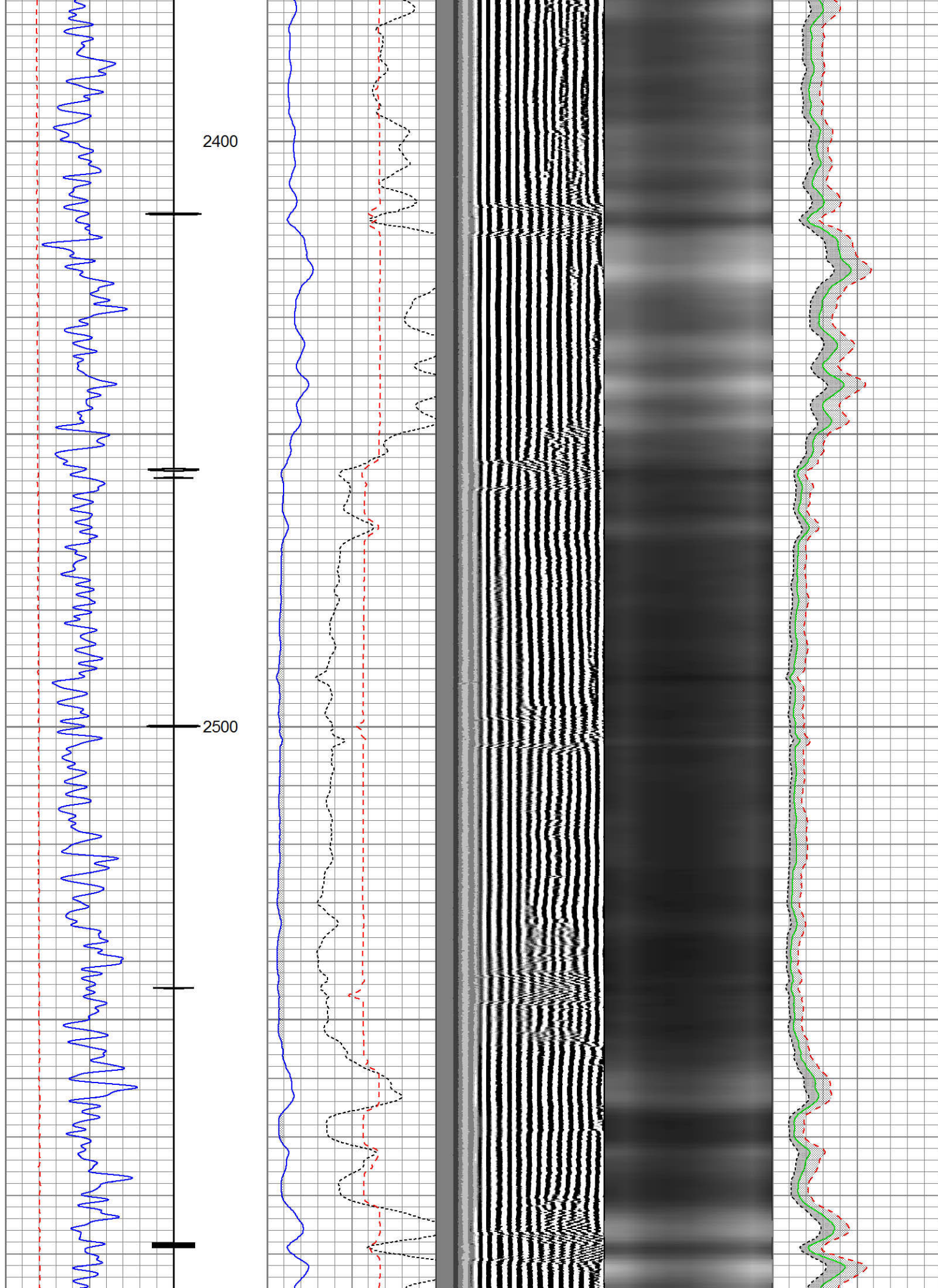




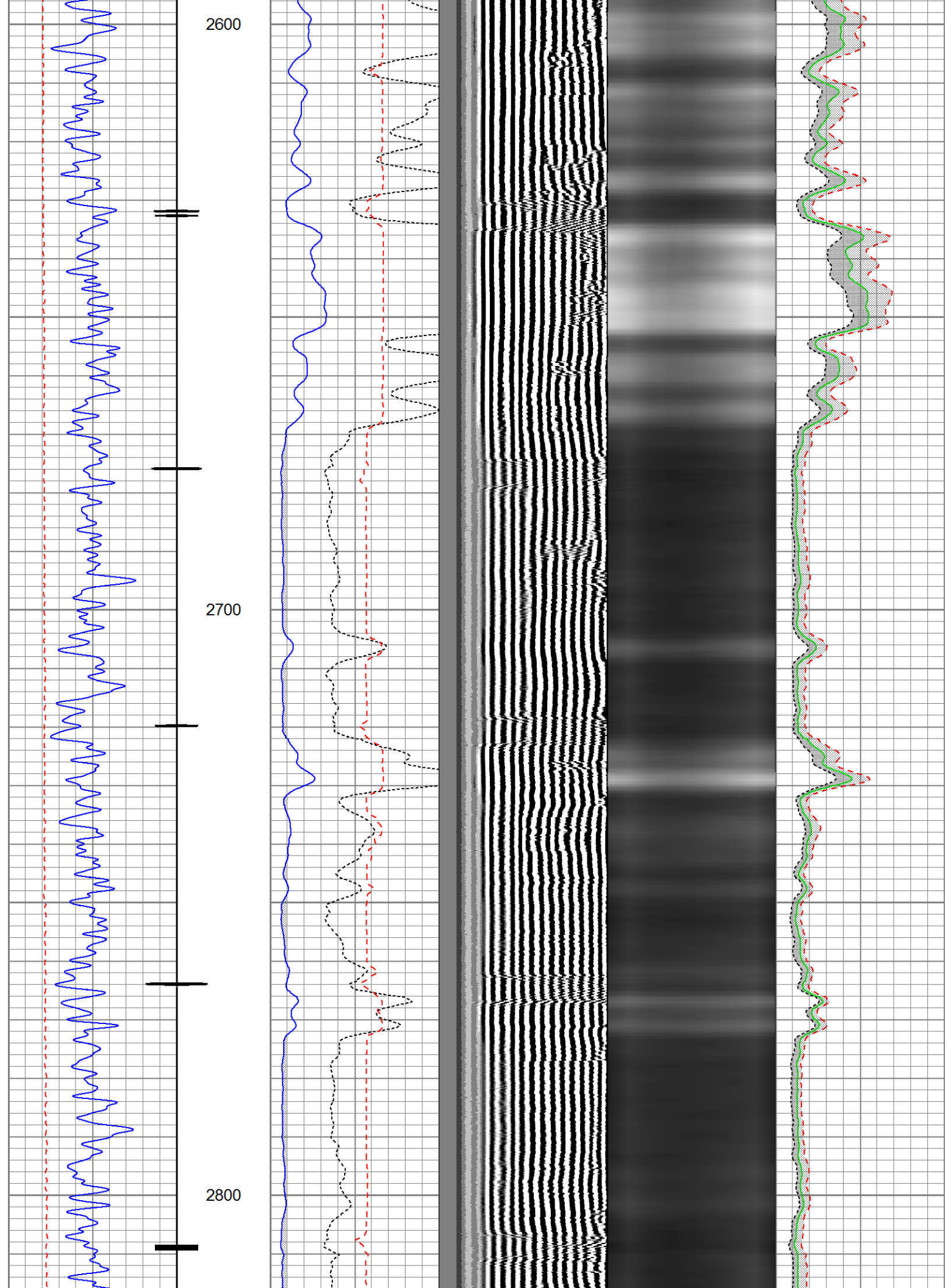




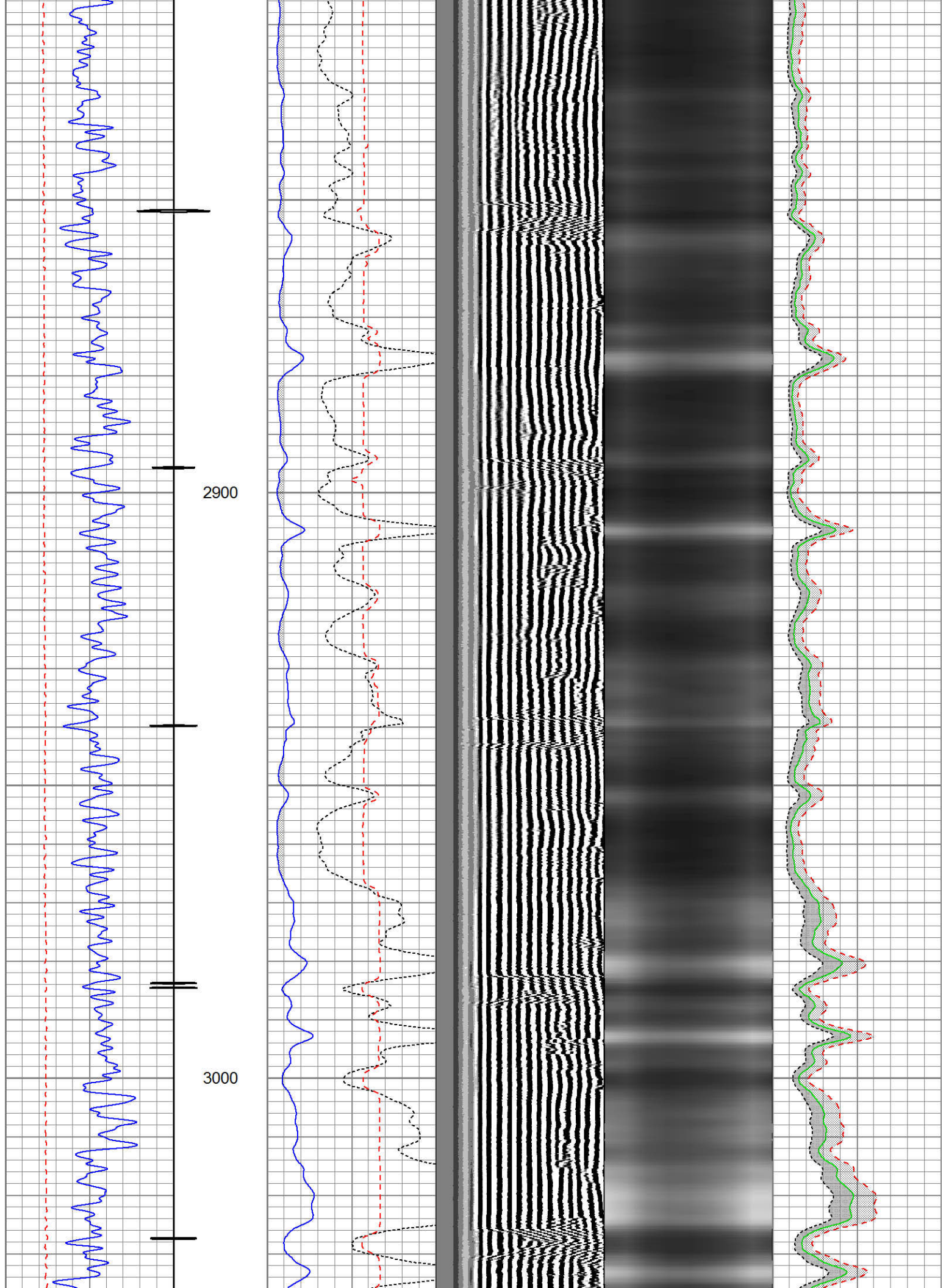




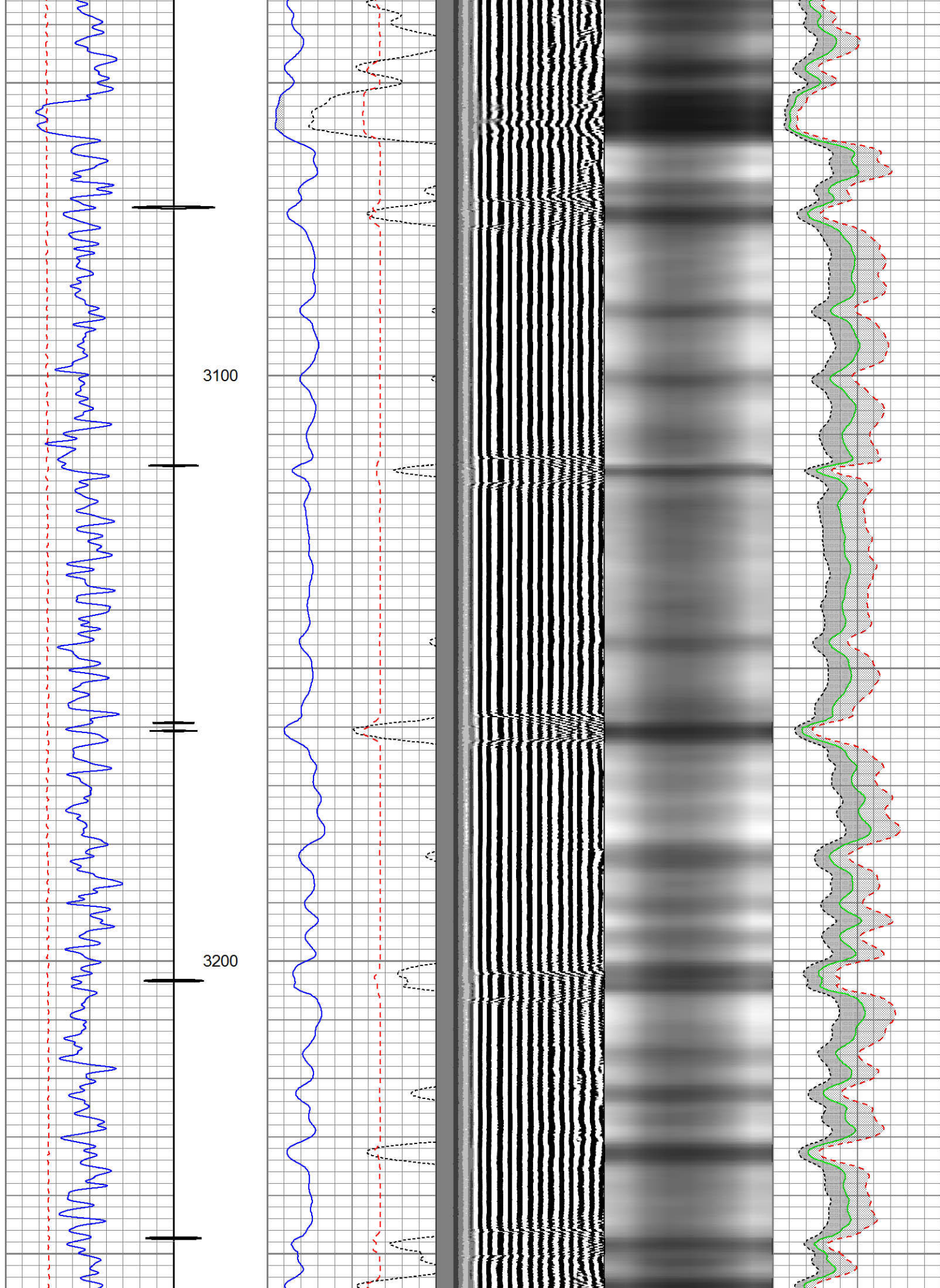




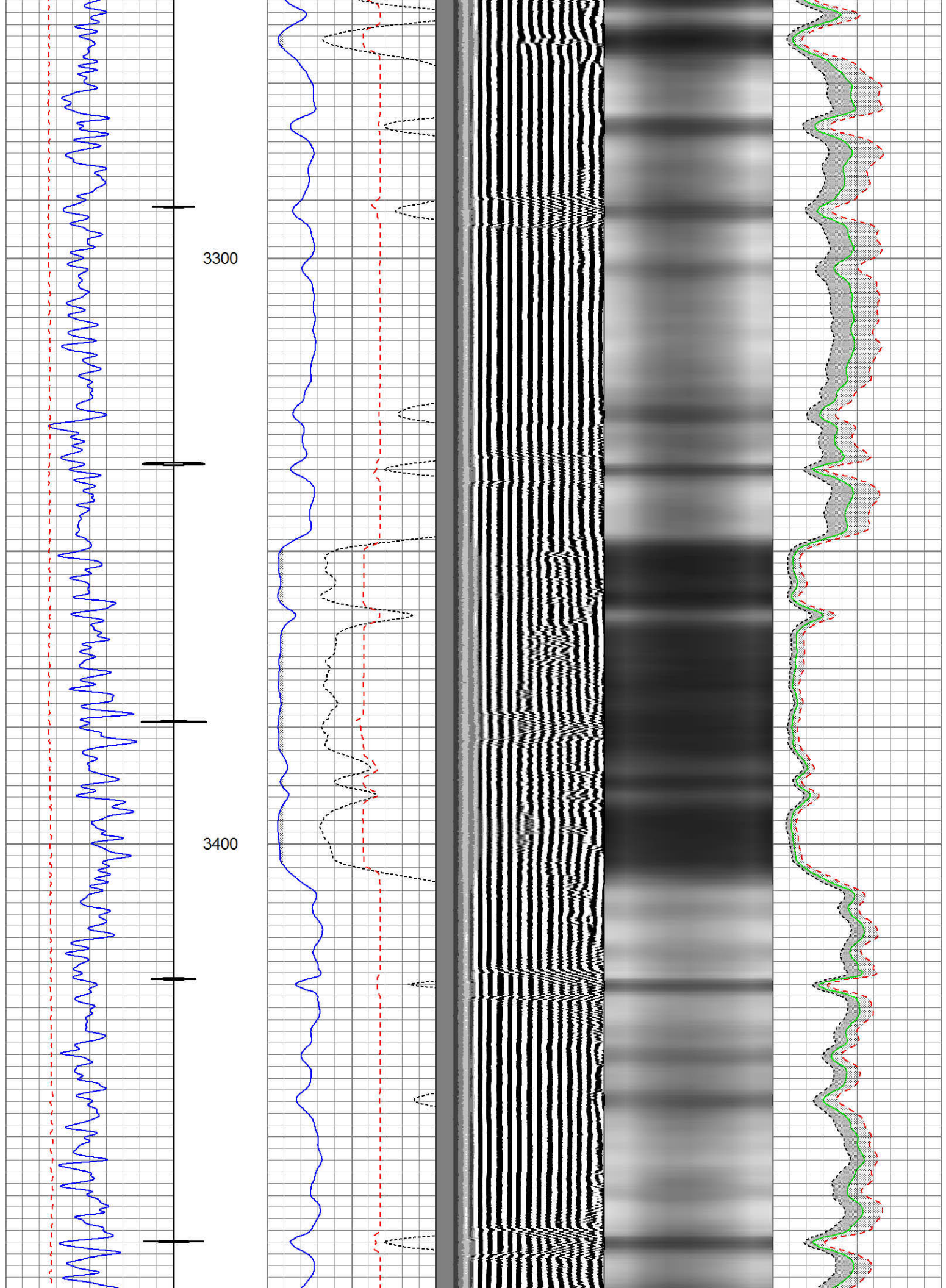




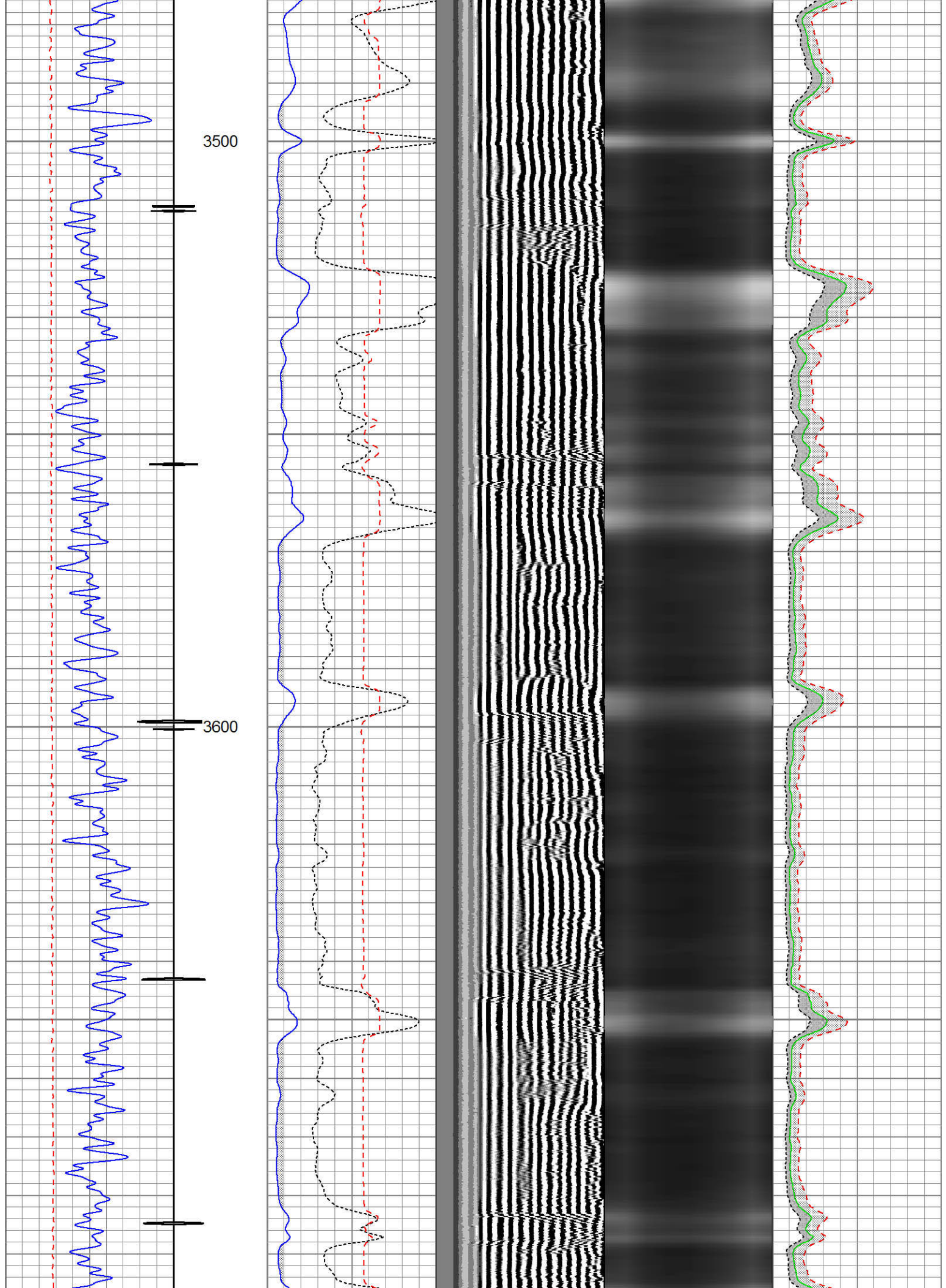




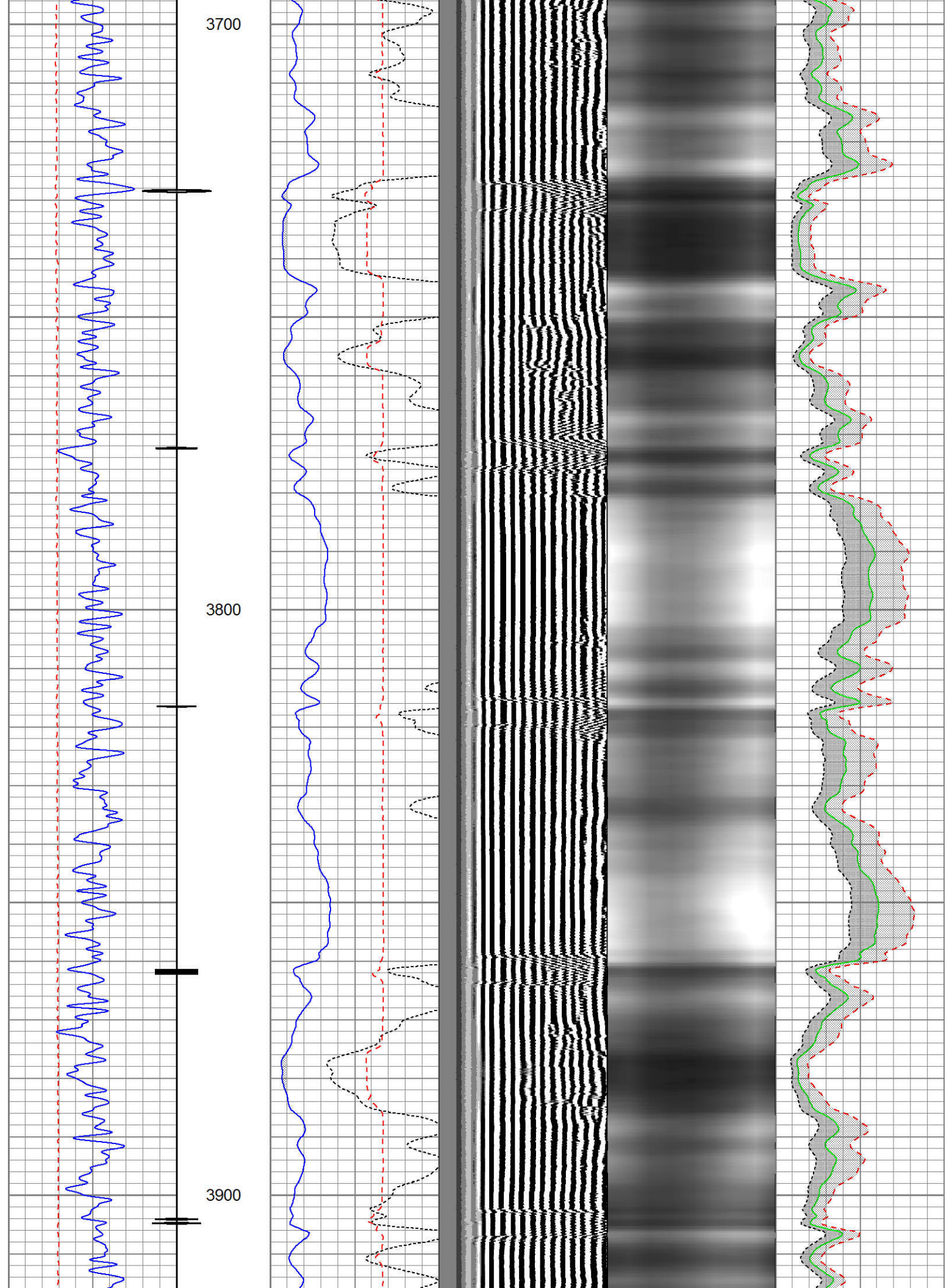




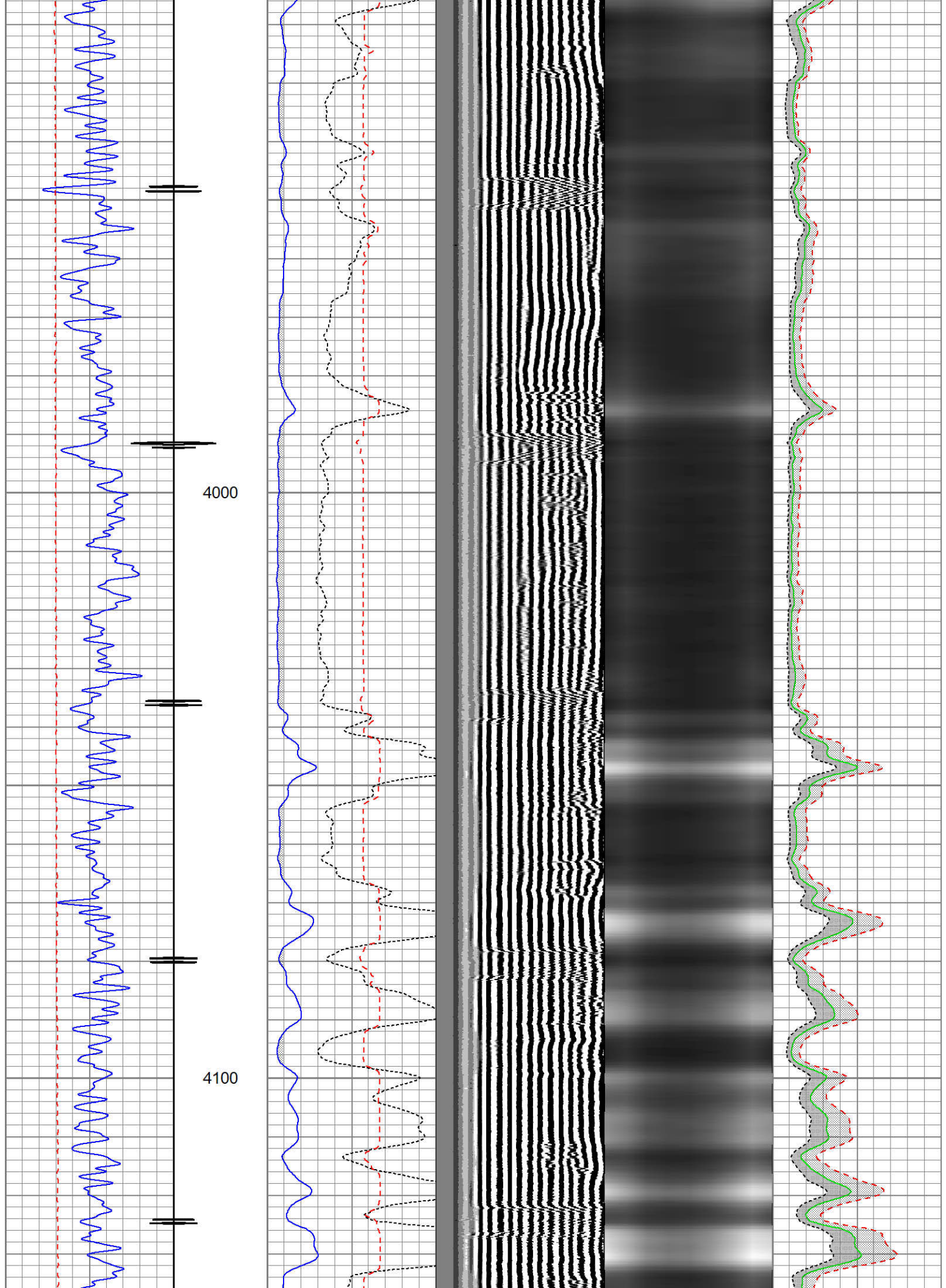




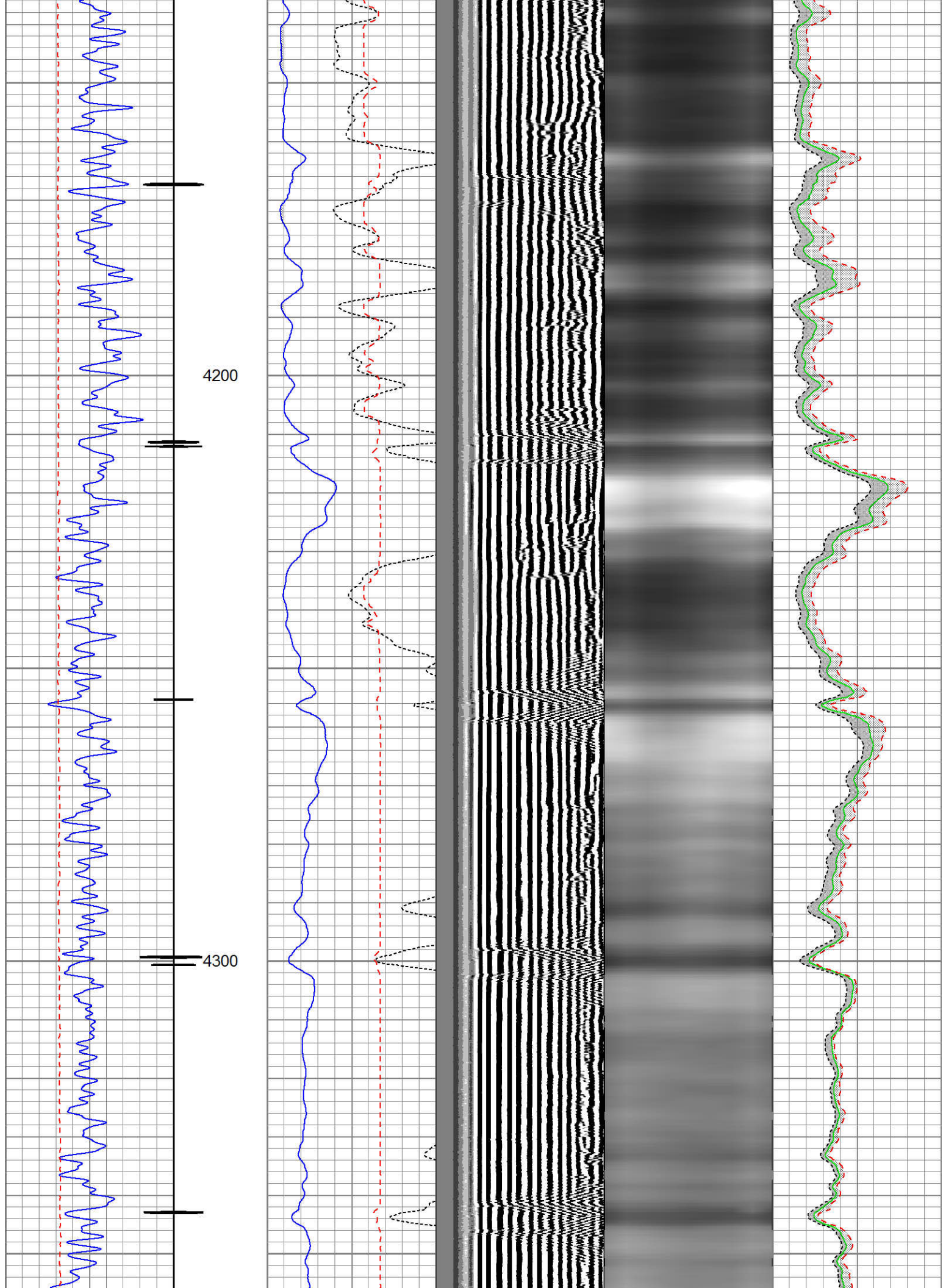




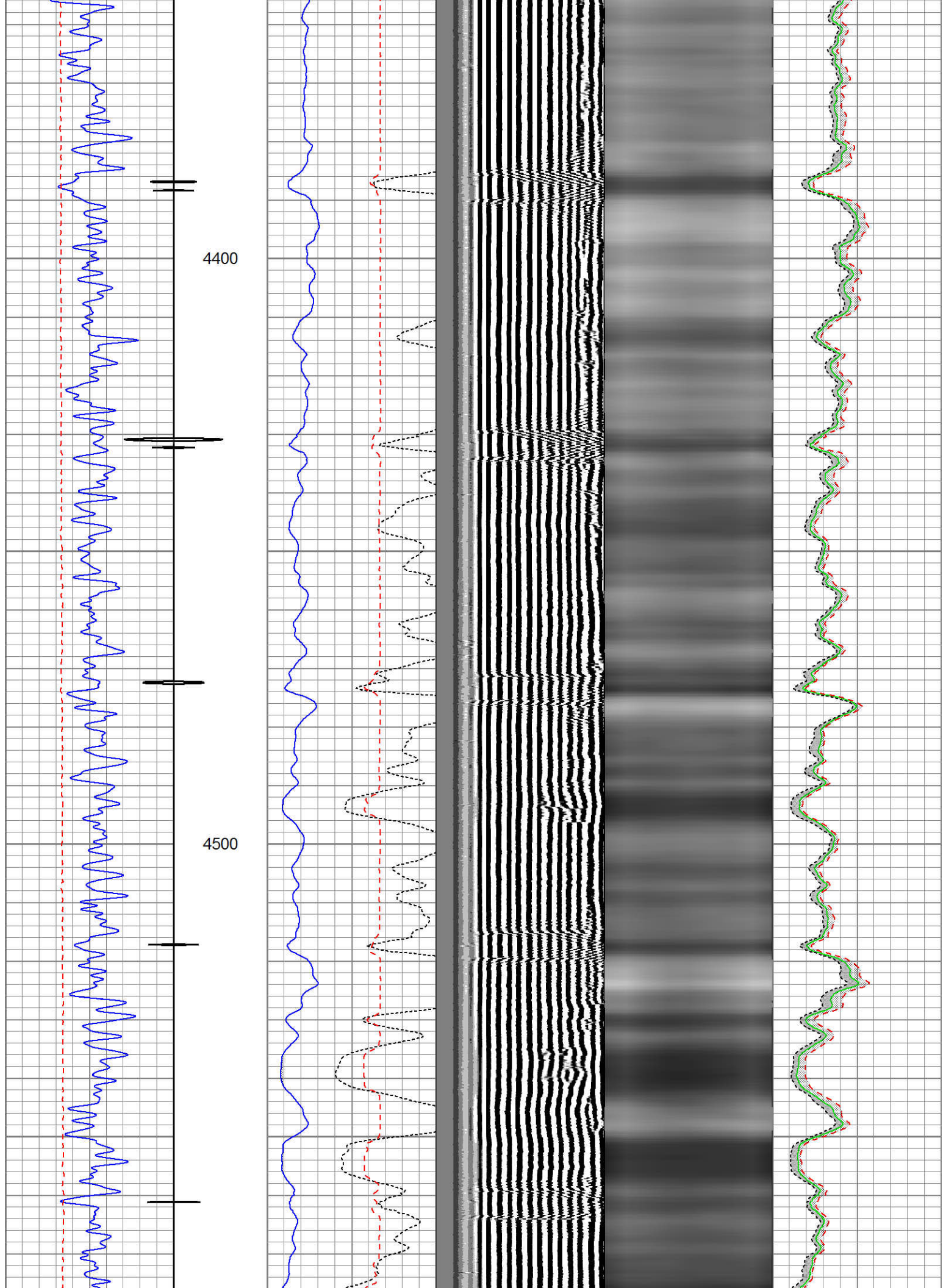




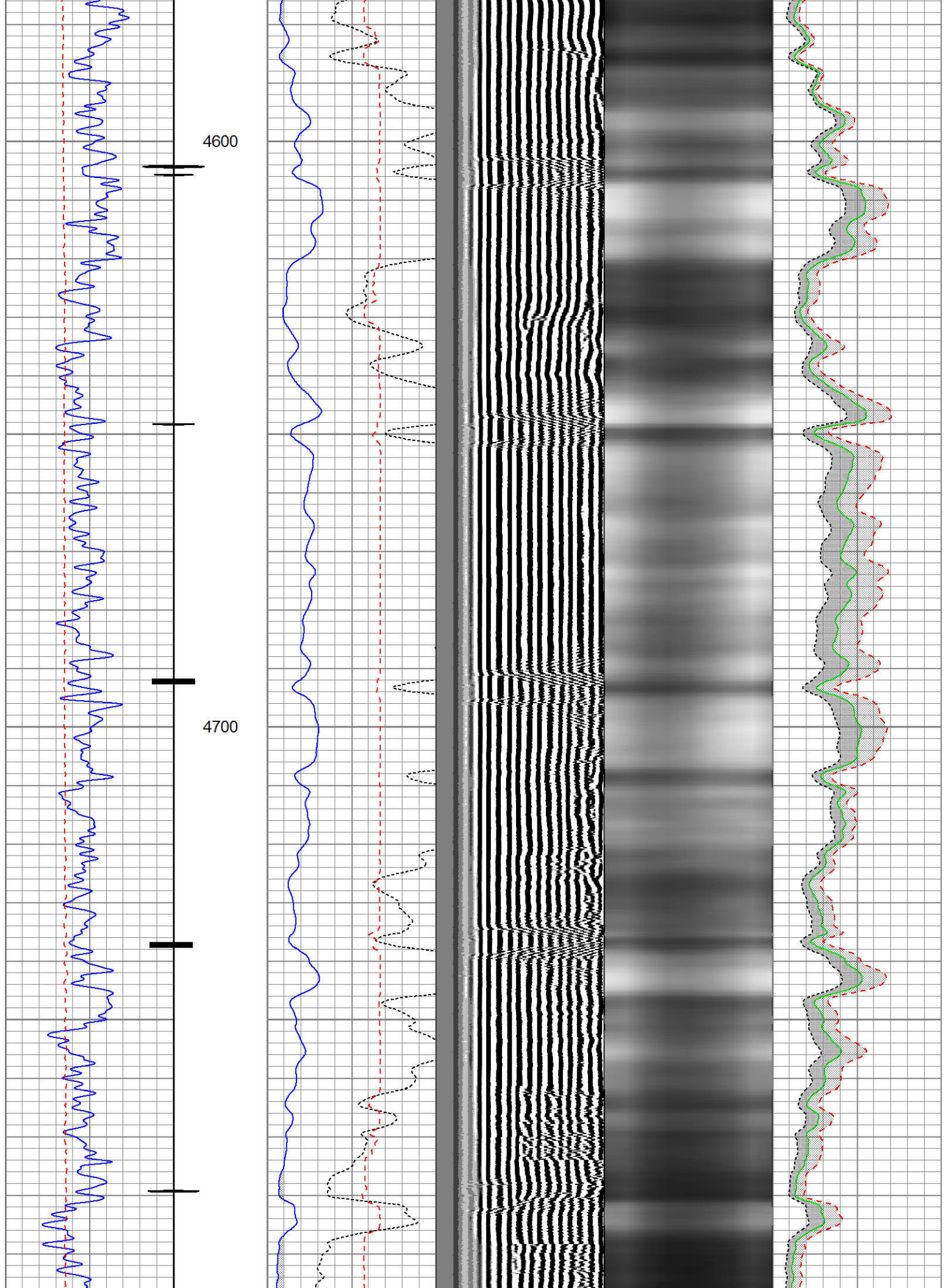




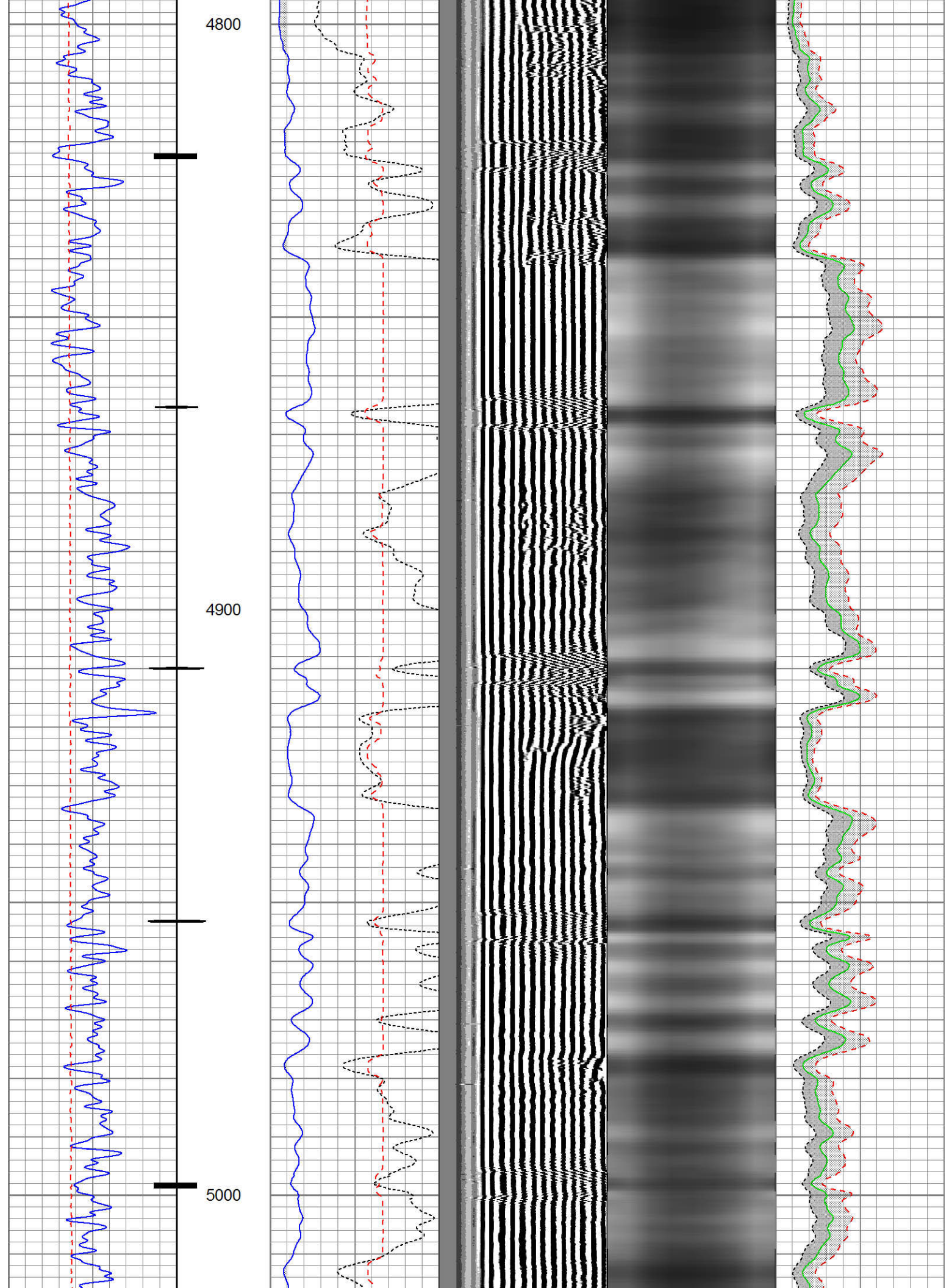




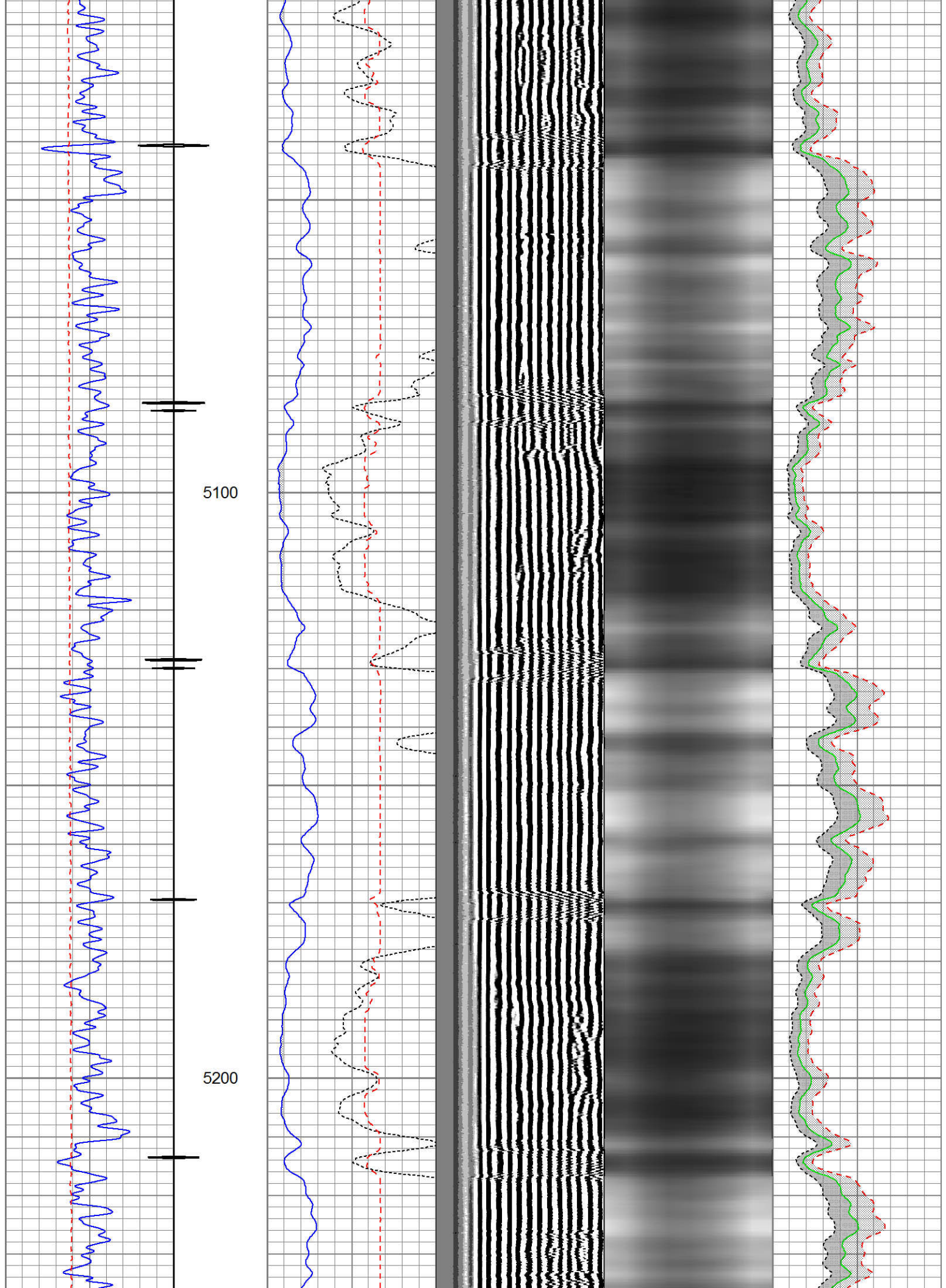




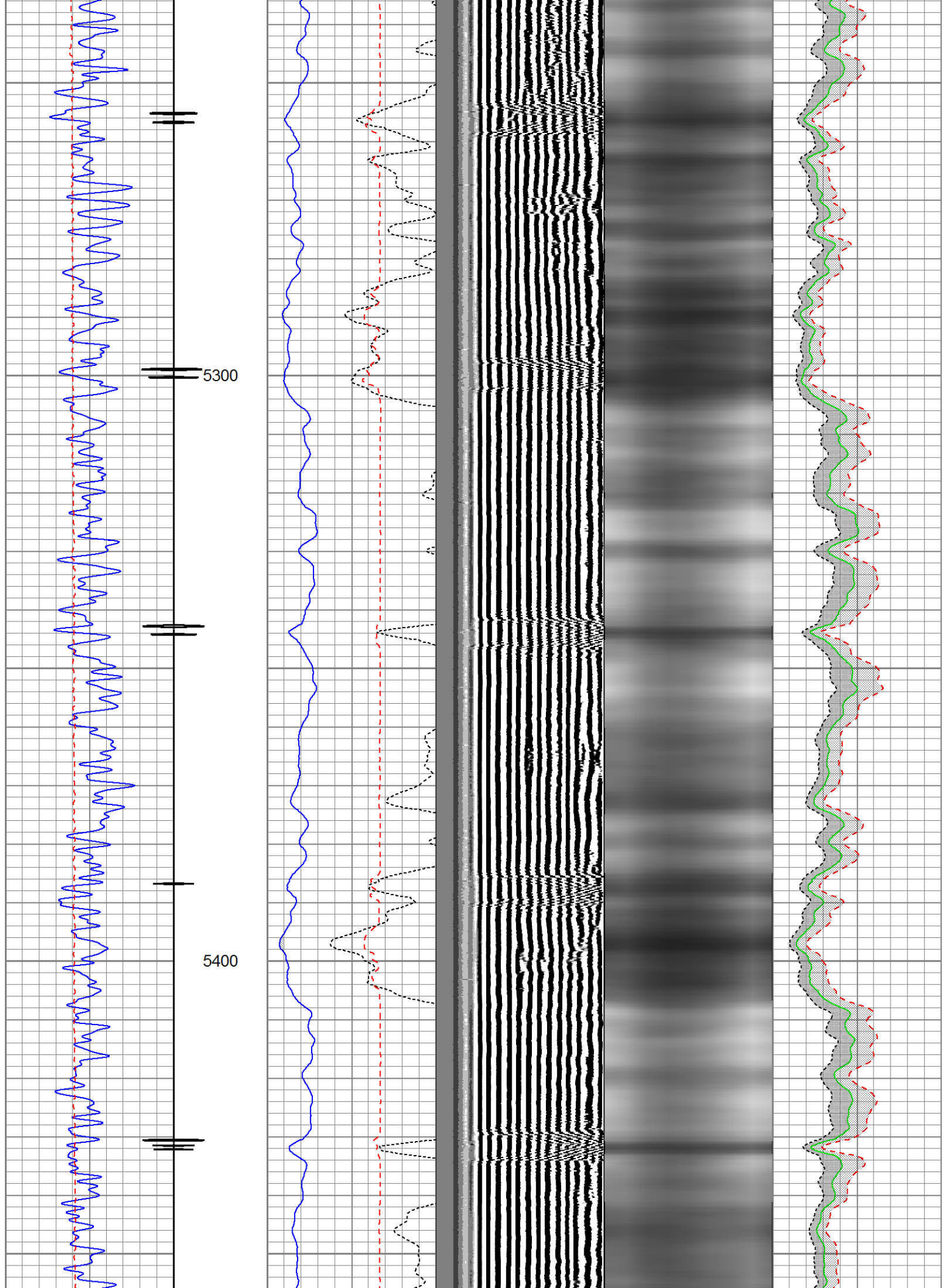




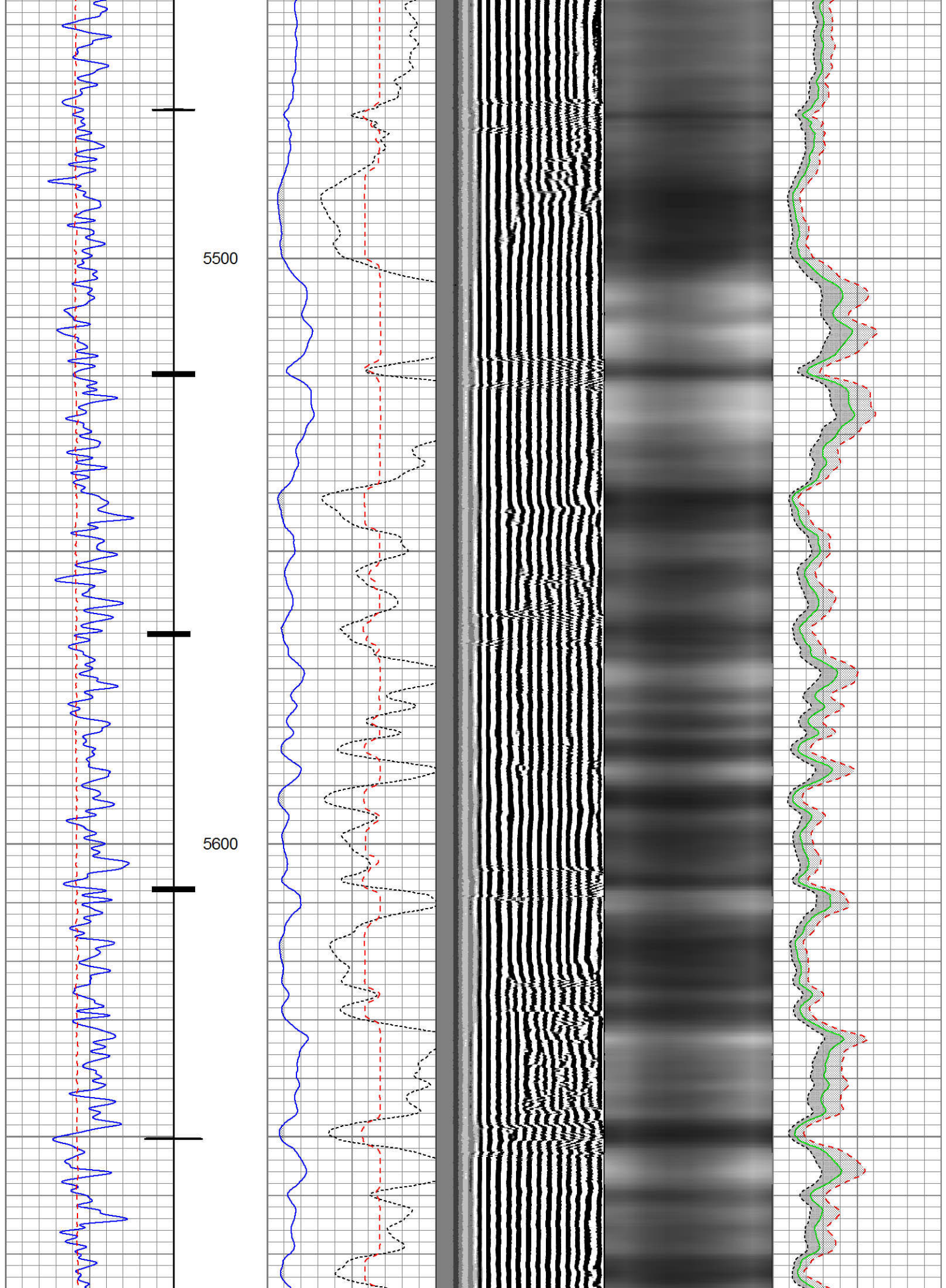




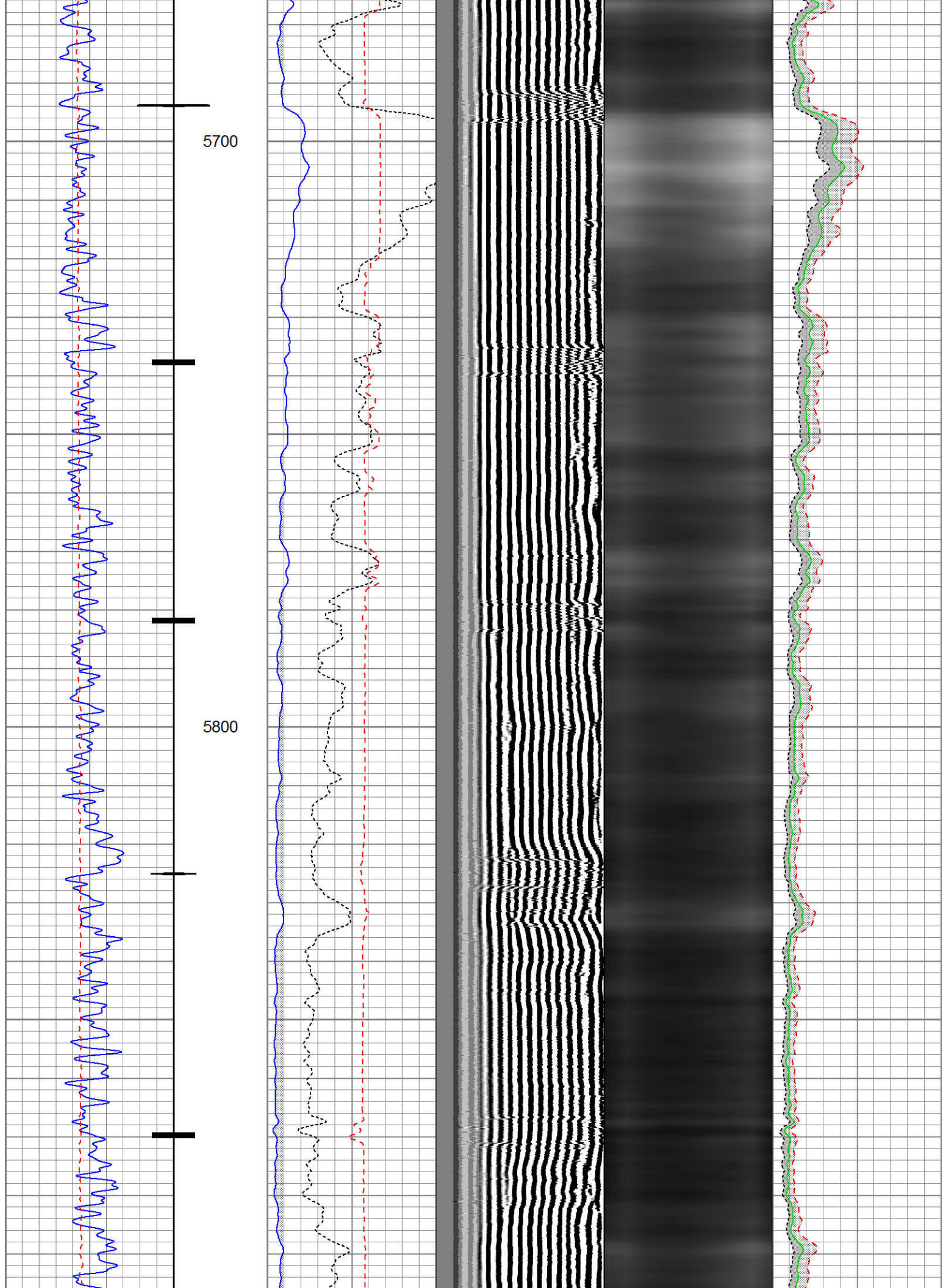




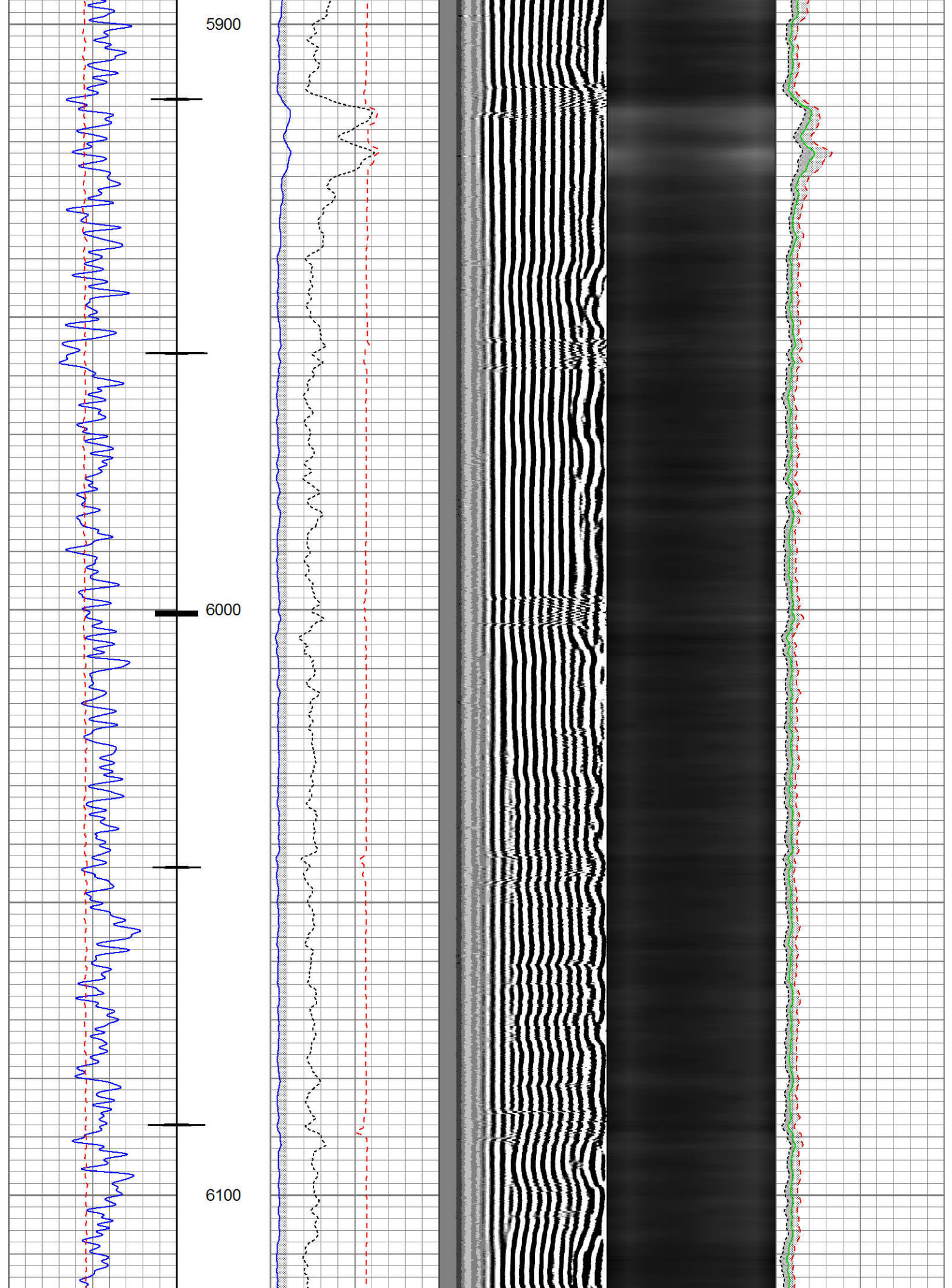




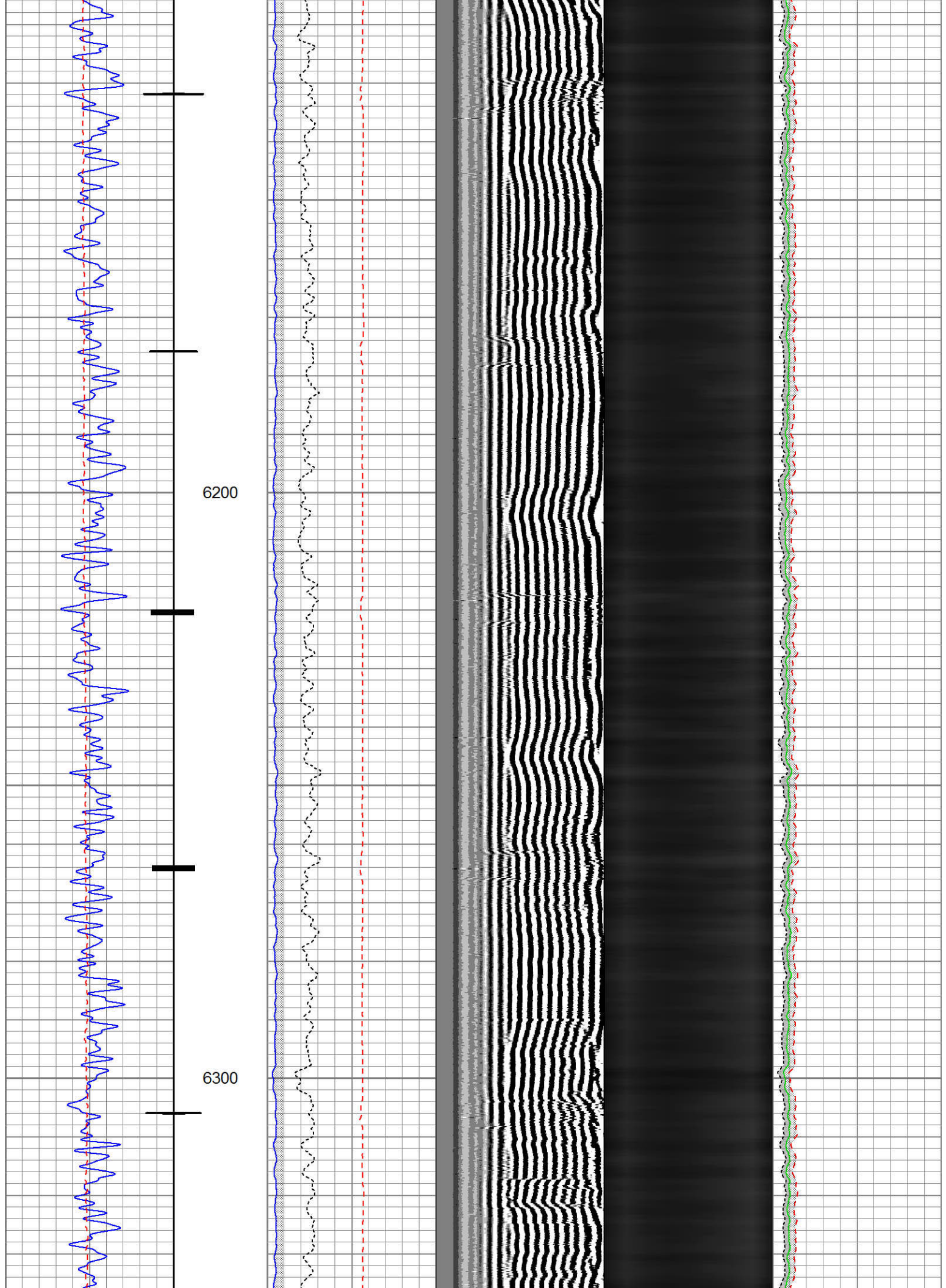




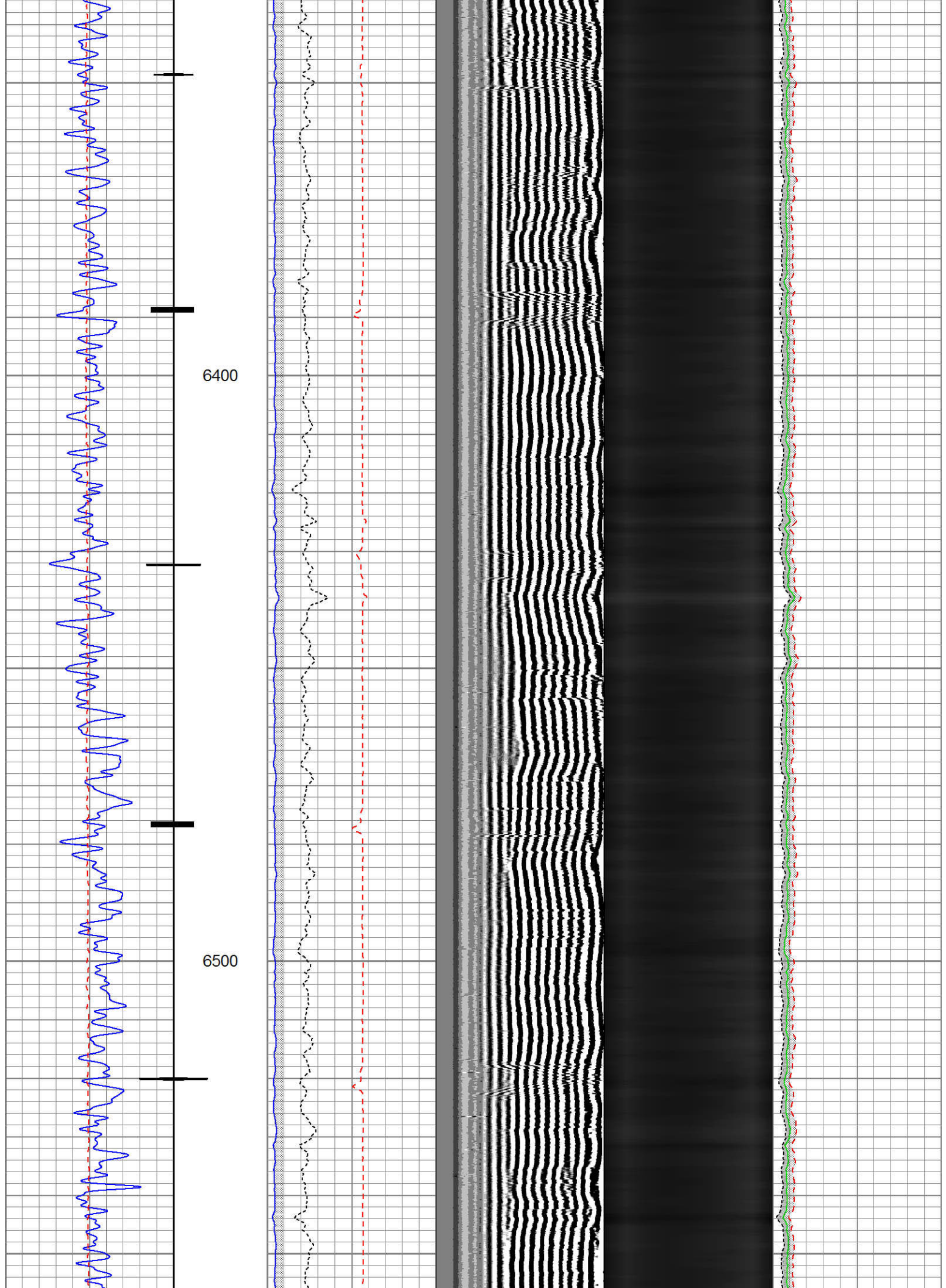




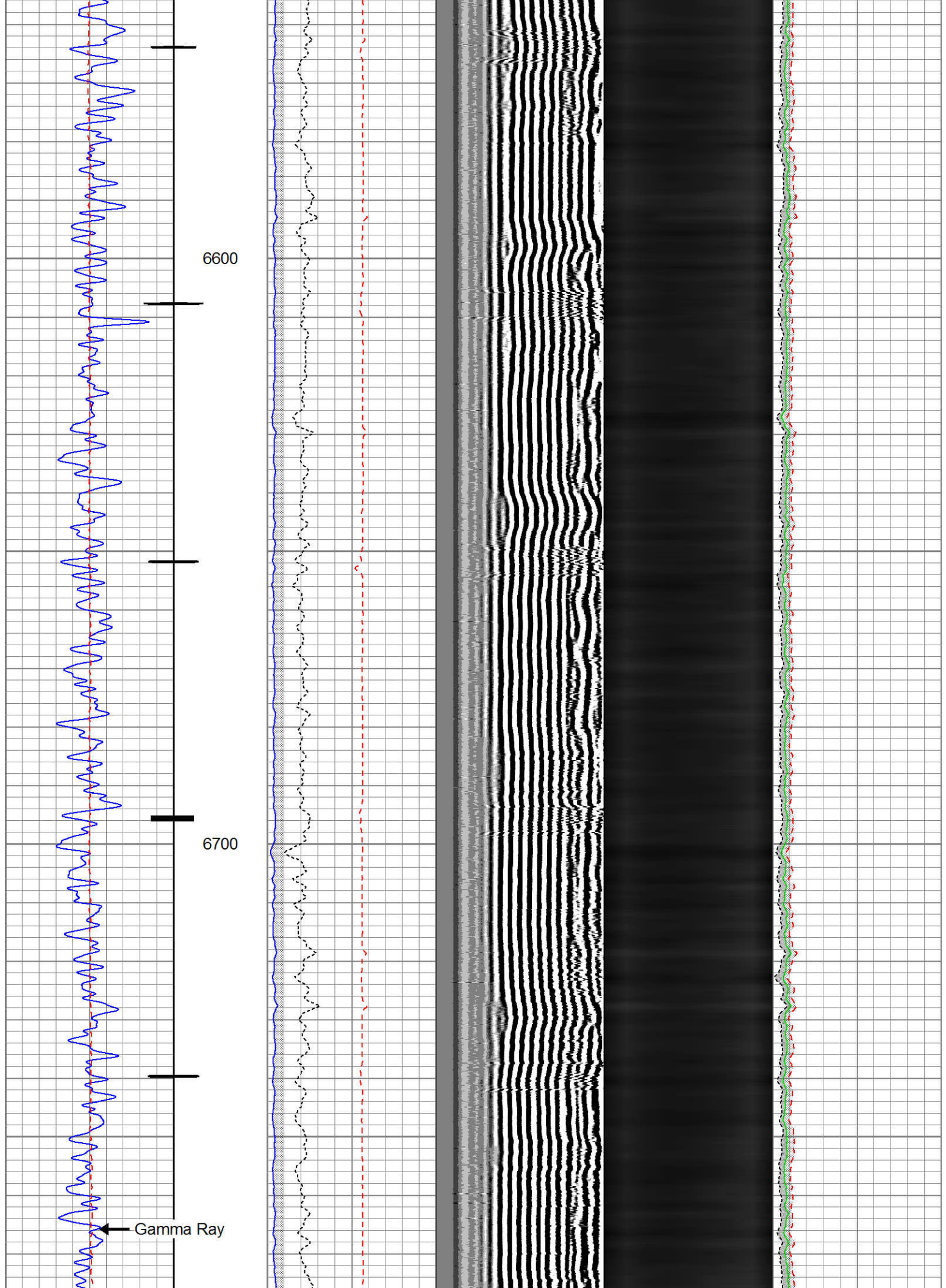




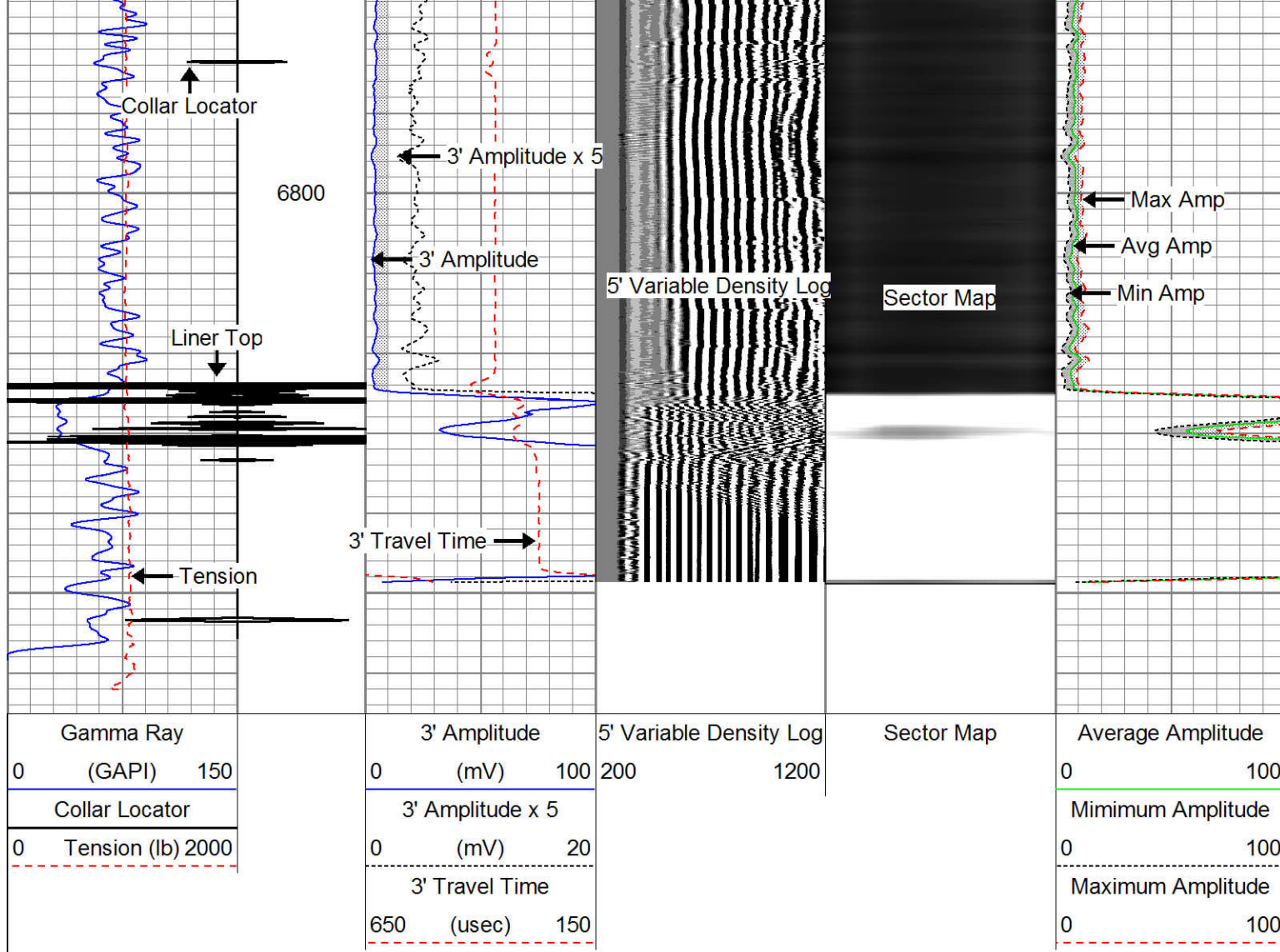






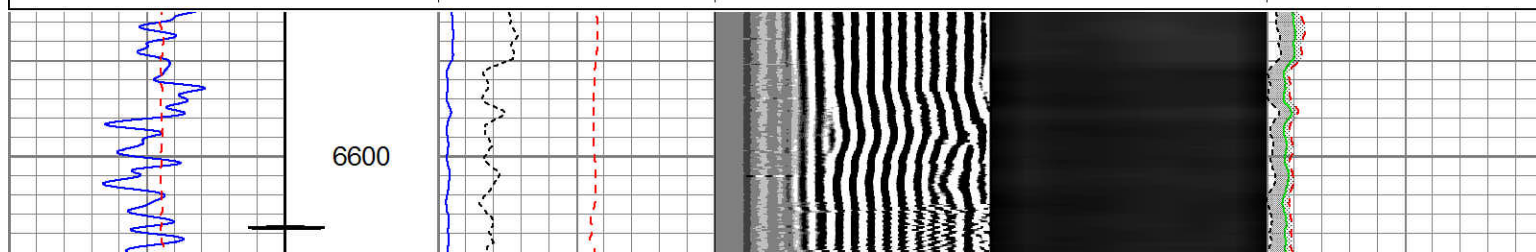
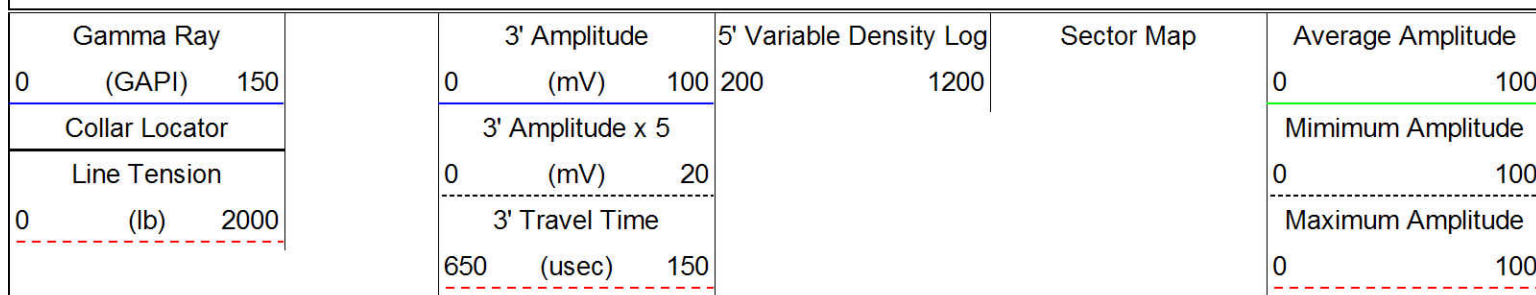




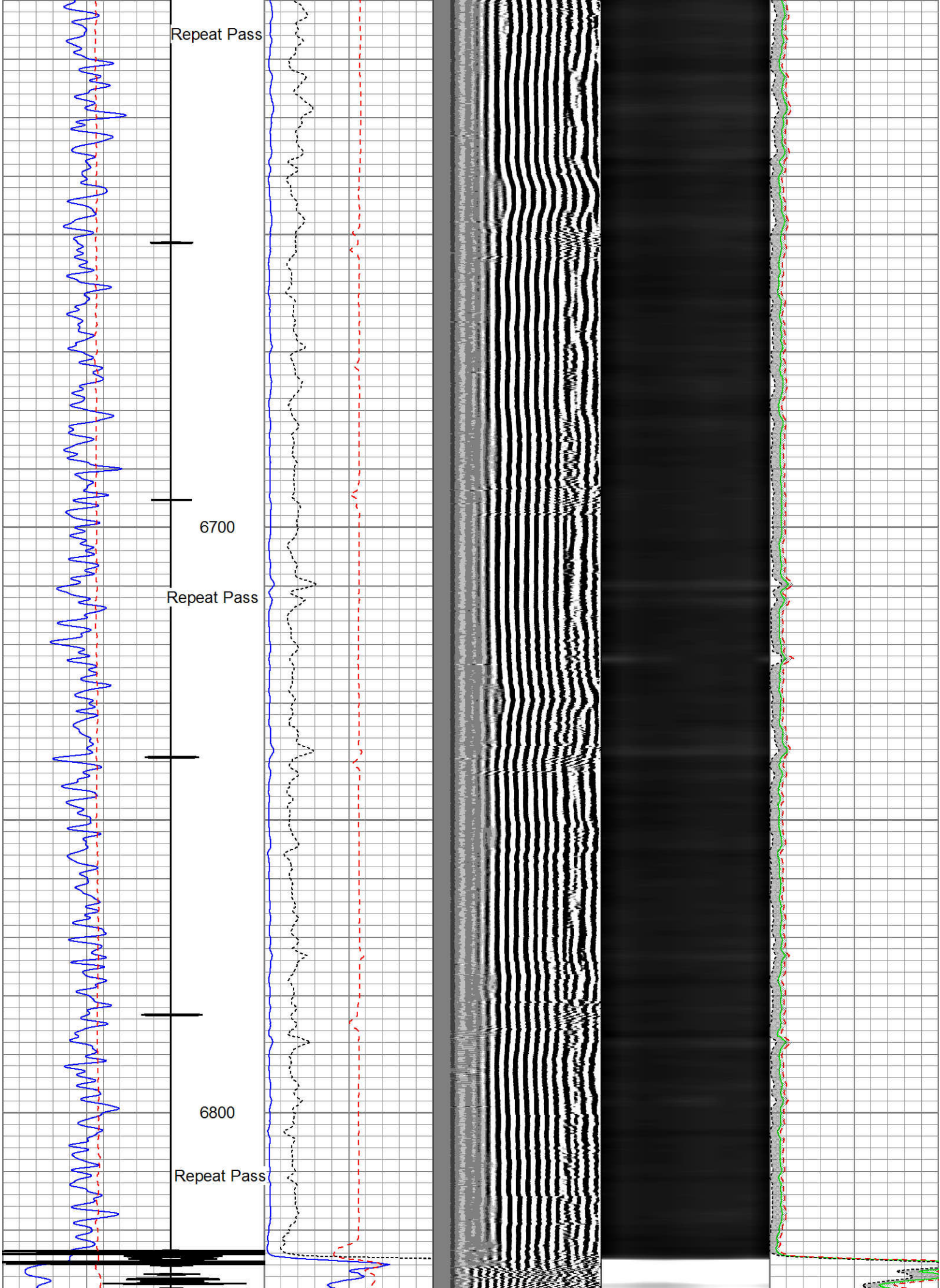


# Repeat Pass 2800 PSI

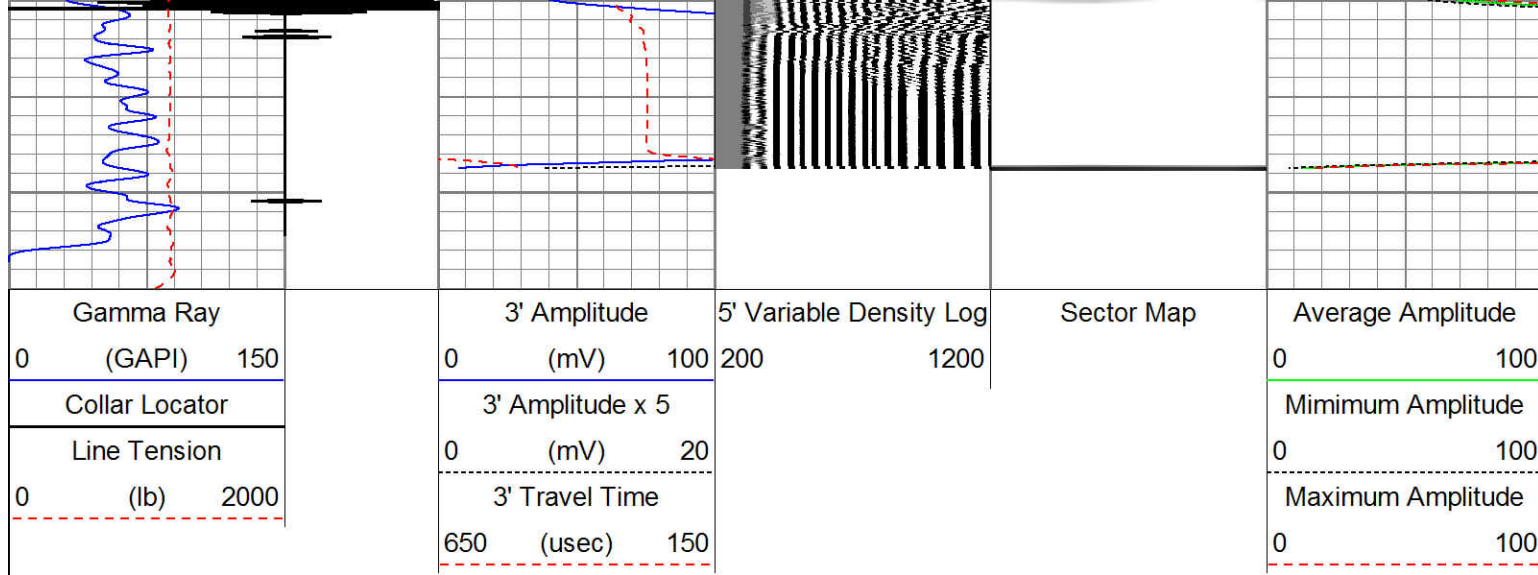
Database File: anadarko\_gobbler\_27n-23hz.db  
 Dataset Pathname: repeatcbl  
 Presentation Format: rbt\_w\_te  
 Dataset Creation: Sun Jul 14 12:20:11 2013 by Log SCH 111116  
 Charted by: Depth in Feet scaled 1:240











Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
RHeadVolt	19.51		Titan_1_11_16	1.04	1.44	5.00
			Probe_IL_BS_Cent Probe 2-3/4" Inline Electrical Inline Bowspring Centralizer	2.88	2.75	10.00
Temp	16.68					
WVF3FT	14.57		Probe_RADII-C-2-3/4" (FW1302-002in7") Probe 2-3/4" Sector Cement Bond Tool with Temperature Probe	9.21	2.75	100.00
WVFCAL	14.57					
WVFS1	14.57					
WVFS2	14.57					
WVFS3	14.57					
WVFS4	14.57					
WVFS5	14.57					
WVFS6	14.57					
WVFS7	14.57					
WVFS8	14.57					
WVF5FT	13.57					
CCL DCCL	6.59 6.59		Probe_IL_BS_Cent Probe 2-3/4" Inline Electrical Inline Bowspring Centralizer	2.88	2.75	10.00



GR	5.25		Probe_CCL_GR-2.75"Digital (FW1302-1194.58 Probe 2-3/4" Digital CCL / Gamma Ray Combined	1194.58	2.75	55.00
			Probe_IL_BS_Cent Probe 2-3/4" Inline Electrical Inline Bowspring Centralizer	2.88	2.75	10.00
Dataset: anadarko gobbler 27n-23hz.db: field/well/run1/maincbl1 Total Length: 23.47 ft Total Weight: 190.00 lb O.D. 2.75 in						

Calibration Report		
Database File:	anadarko gobbler 27n-23hz.db	
Dataset Pathname:	maincbl1	
Dataset Creation:	Sun Jul 14 14:04:47 2013 by Log SCH 111116	
Gamma Ray Calibration Report		
Serial Number:	FW1302-119	
Tool Model:	2.75"Digital	
Performed:	Mon Apr 01 19:31:10 2013	
Calibrator Value:	100.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	150.0	cps
Sensitivity:	0.6667	GAPI/cps
Segmented Cement Bond Log Calibration Report		
Serial Number:	FW1302-002in7"	
Tool Model:	2-3/4"	
Calibration Casing Diameter:	7.000	in
Calibration Depth:	1005.393	ft

Master Calibration, performed Sun Jul 14 07:51:21 2013:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.007	0.691	0.800	62.165	89.600	0.215
CAL	1.039	1.064				
5'	0.008	0.669	0.800	62.165	92.864	0.085
SUM						
S1	0.051	0.628	0.000	100.000	173.387	-8.894
S2	0.006	0.703	0.000	100.000	143.639	-0.910
S3	0.004	0.800	0.000	100.000	125.569	-0.517
S4	0.005	0.826	0.000	100.000	121.767	-0.572
S5	0.005	0.757	0.000	100.000	132.834	-0.621
S6	0.007	0.666	0.000	100.000	151.771	-1.019
S7	0.007	0.617	0.000	100.000	163.902	-1.094
S8	0.006	0.602	0.000	100.000	167.900	-1.066



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	1.039	1.064	1.000	0.000

Air Zero Calibration, performed Sun Jul 14 11:42:06 2013:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.026		0.000		-0.019	
5'	0.010		0.000		-0.003	
SUM						
S1	0.053		0.000		-0.002	
S2	0.009		0.000		-0.002	
S3	0.007		0.000		-0.003	
S4	0.007		0.000		-0.002	
S5	0.007		0.000		-0.003	
S6	0.007		0.000		0.000	
S7	0.007		0.000		-0.001	
S8	0.007		0.000		-0.001	



Company	Kerr-McGee Oil & Gas Onshore, L.P.
Well	Gobbler 27N-23HZ
Field	Wattenberg
County	Weld
State	Colorado