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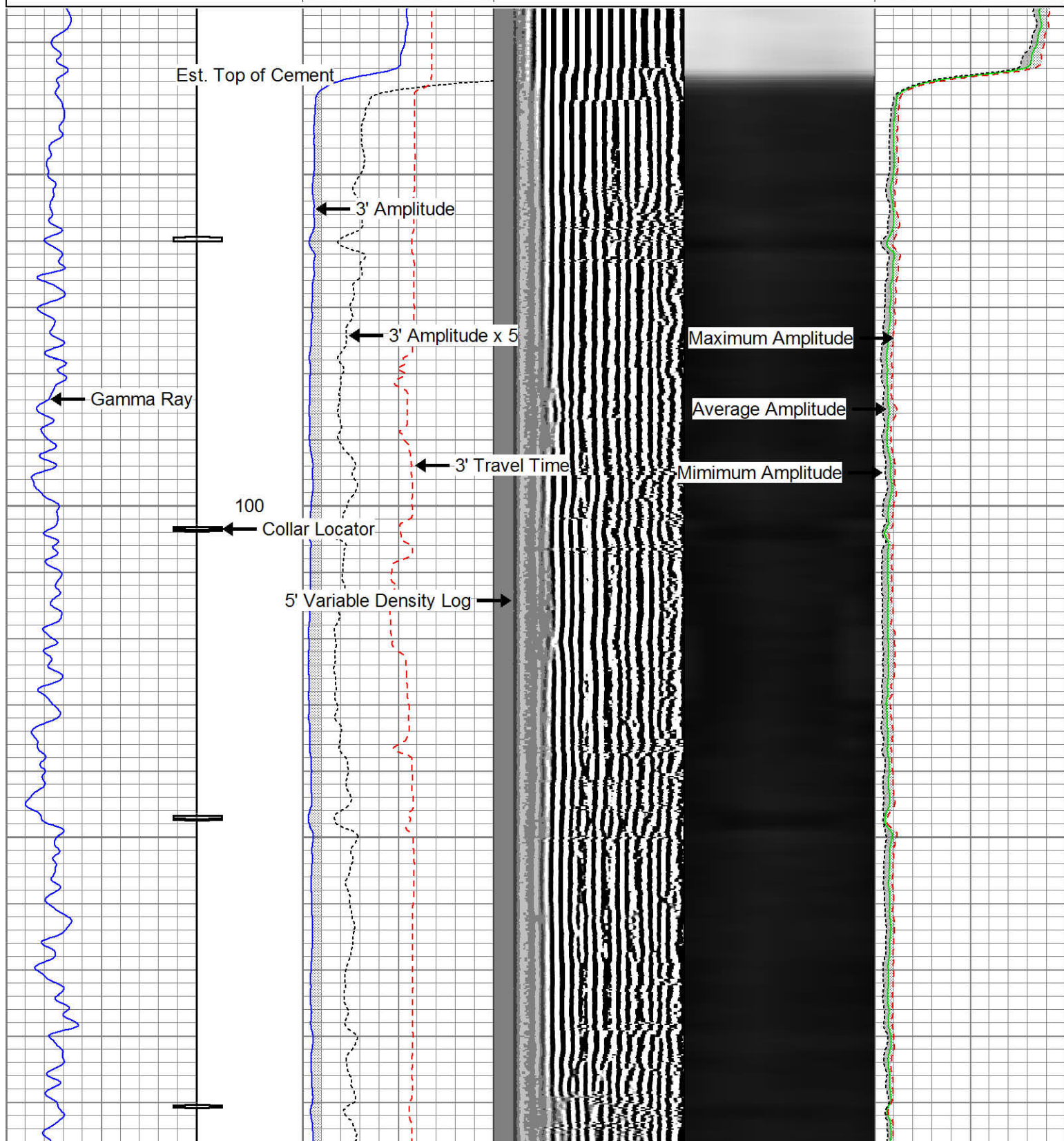
Comments

Thank you for choosing FMC Technologies Completion Services

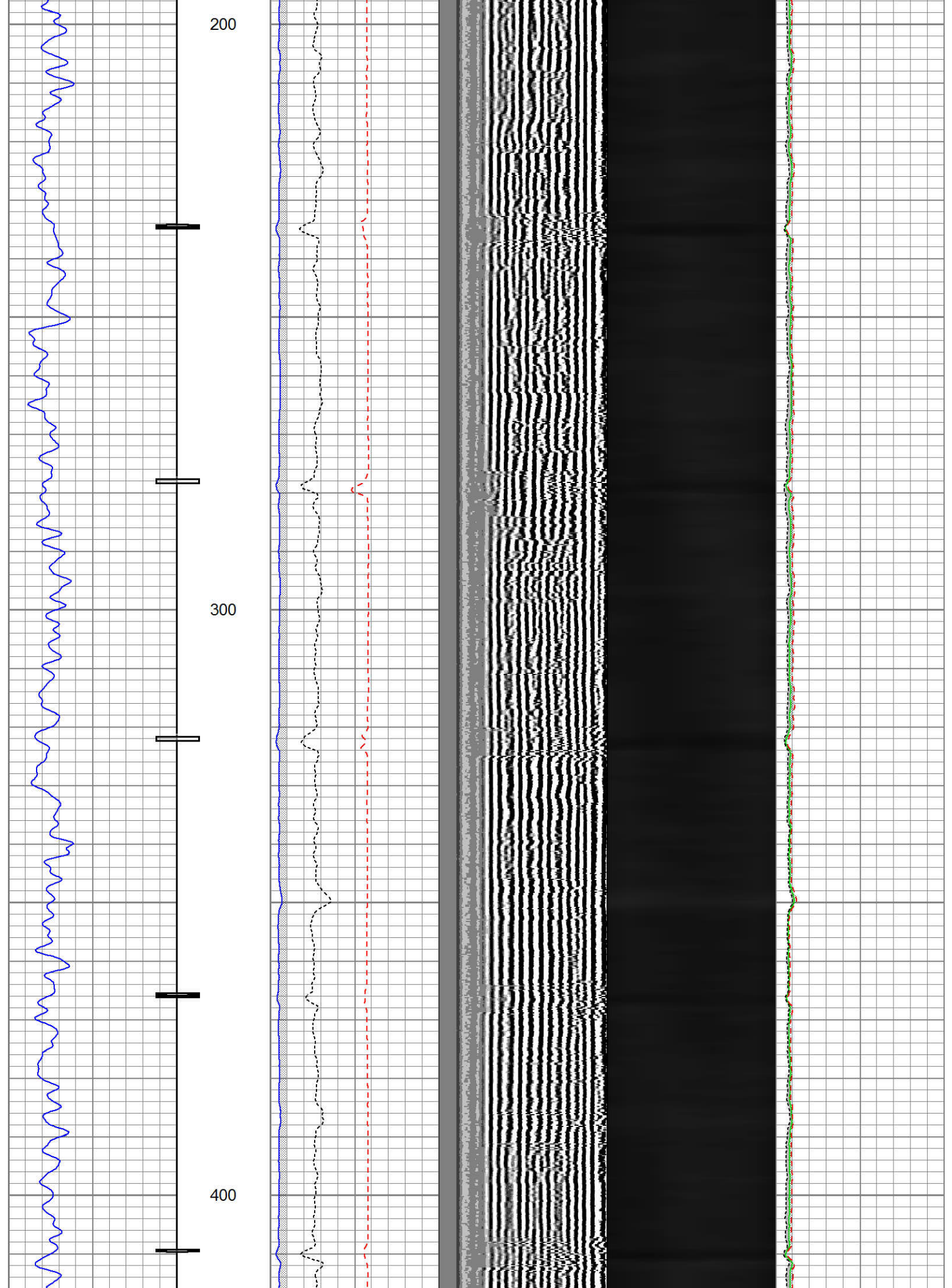
# Main Pass 2800 PSI

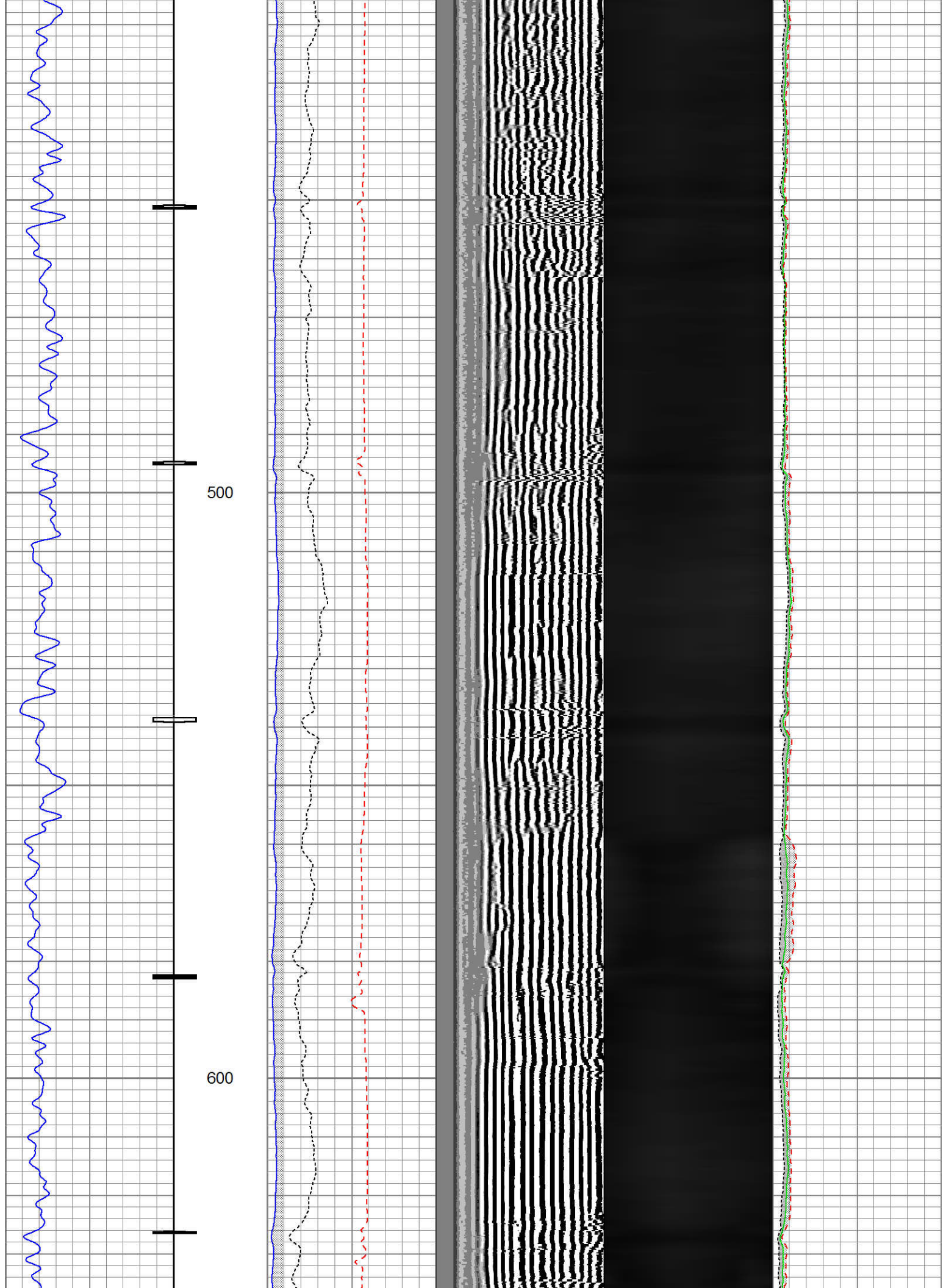
Database File: kmg bydalek 4n-20hz.db  
Dataset Pathname: pass3  
Presentation Format: rbt007  
Dataset Creation: Tue May 21 15:41:43 2013 by Log SCH 111116  
Charted by: Depth in Feet scaled 1:240

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	(mV)	20			0	100	
			3' Travel Time					Maximum Amplitude		
			650	(usec)	150			0	100	

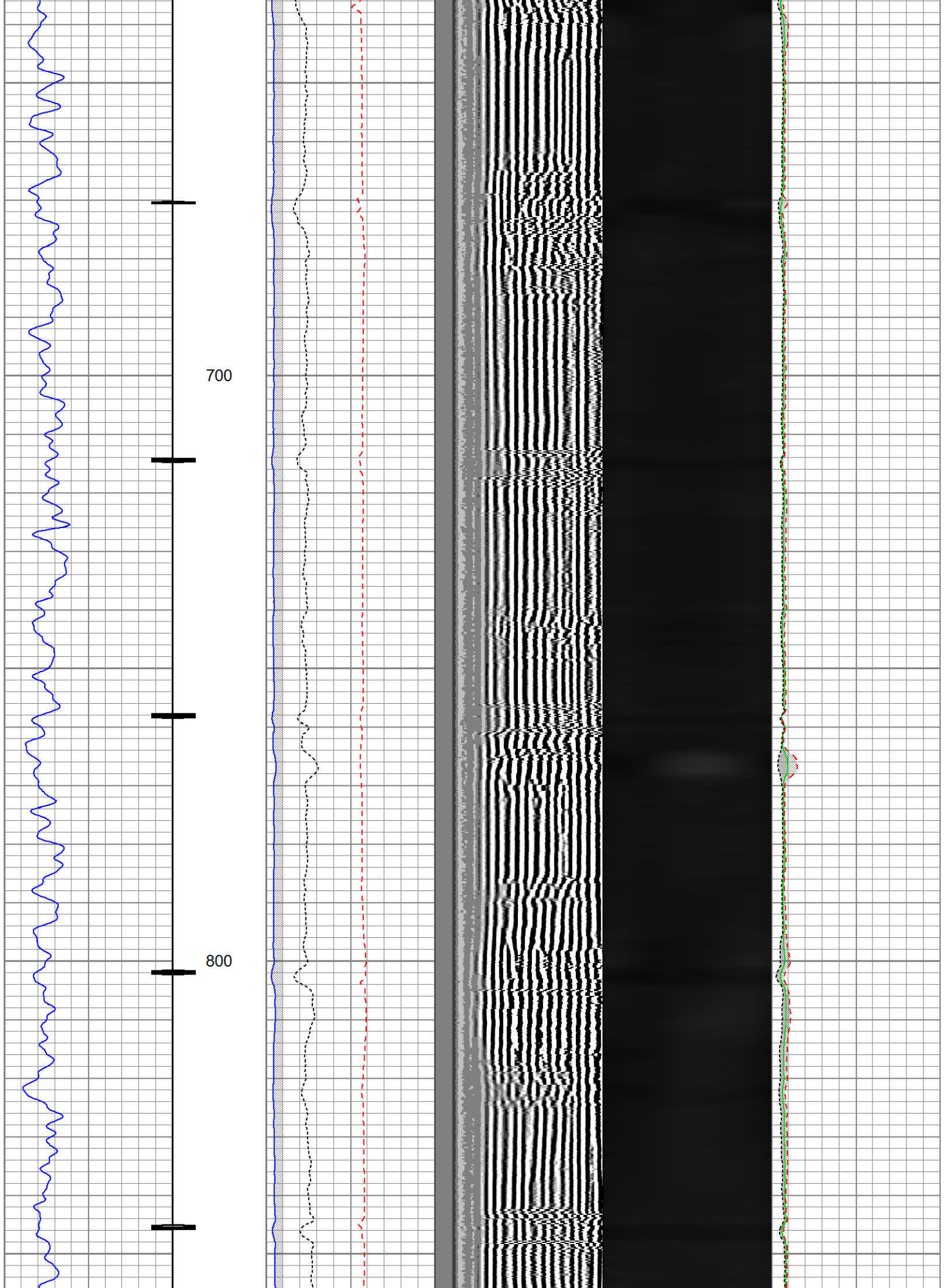


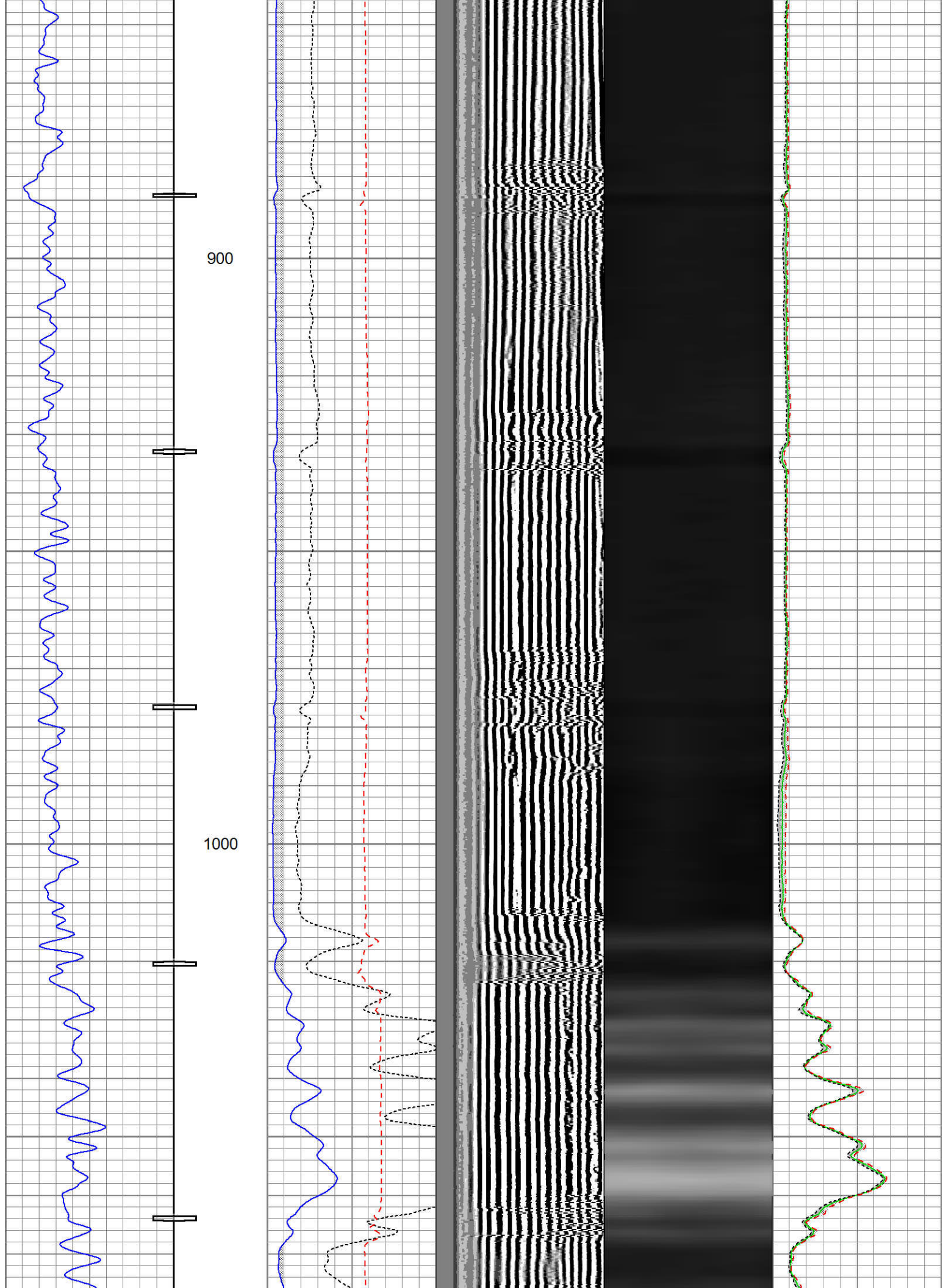




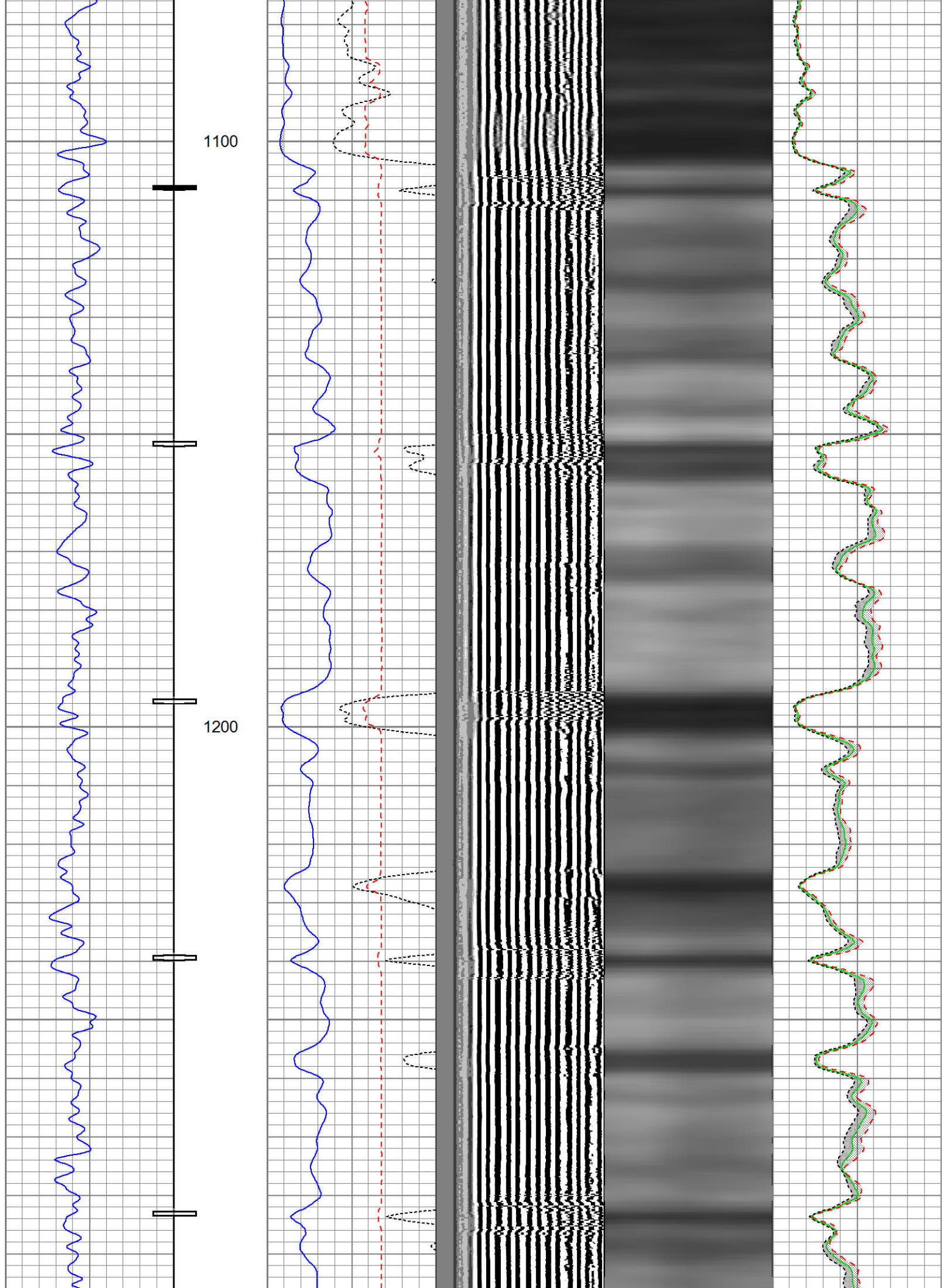


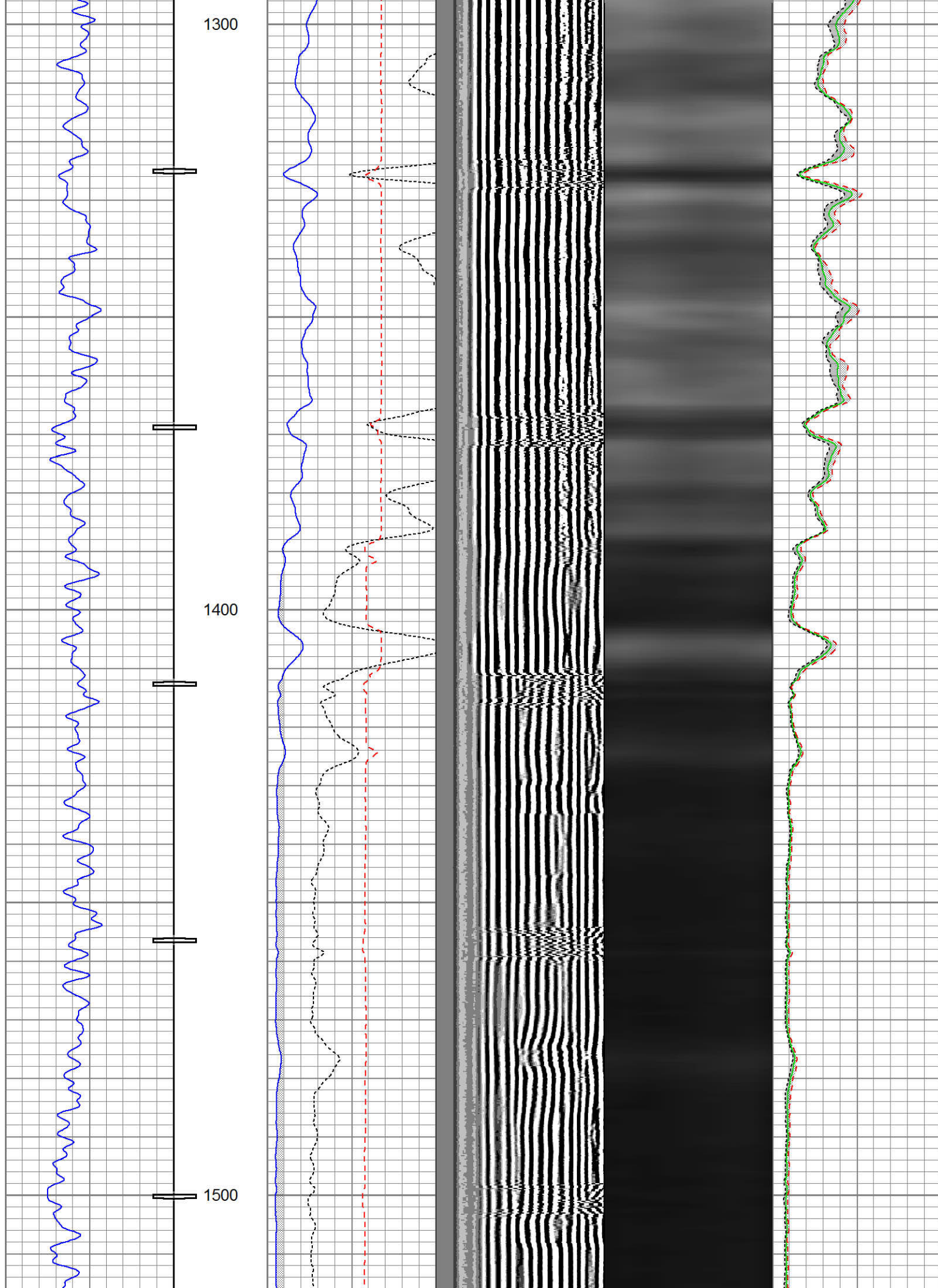




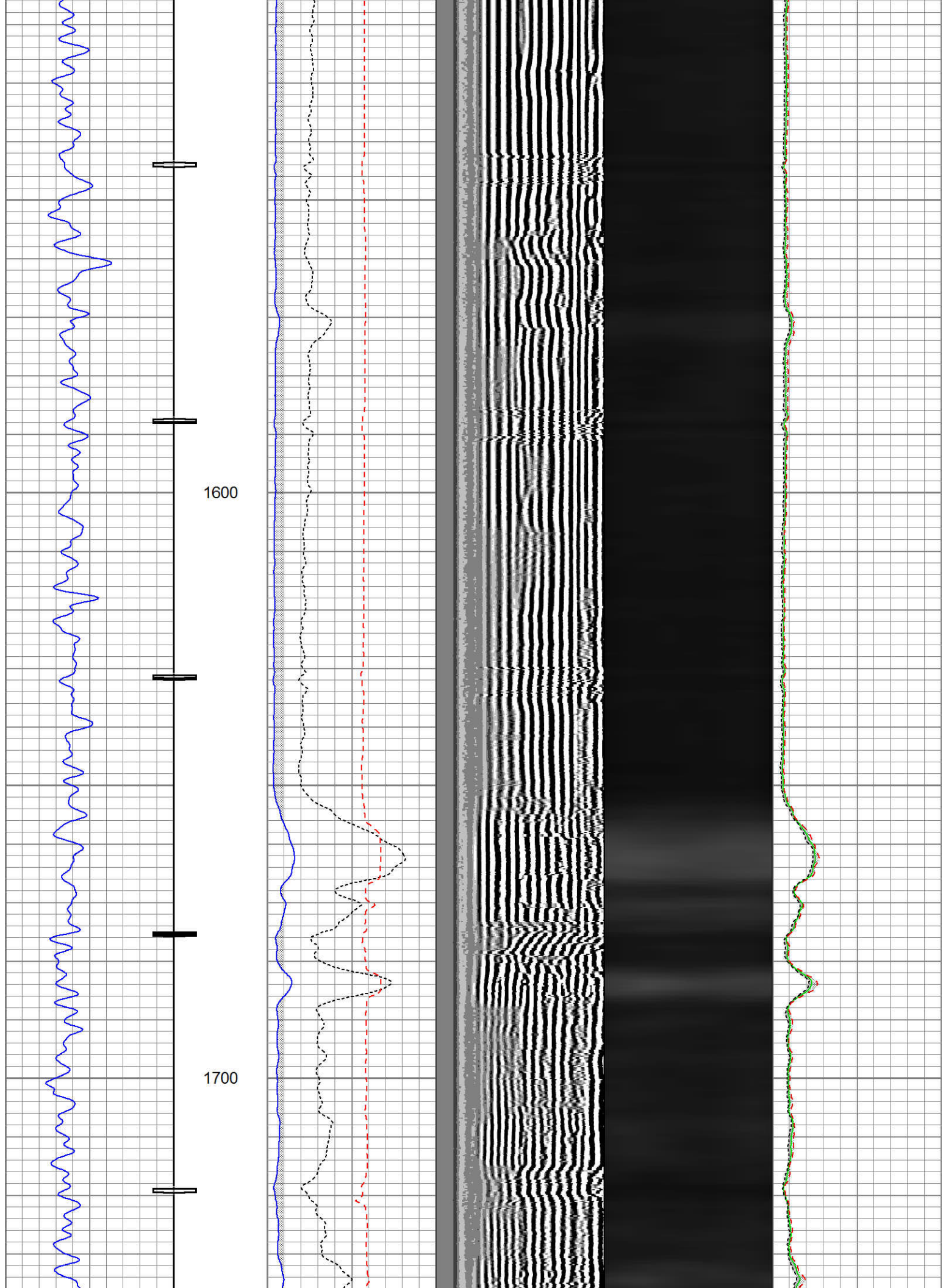


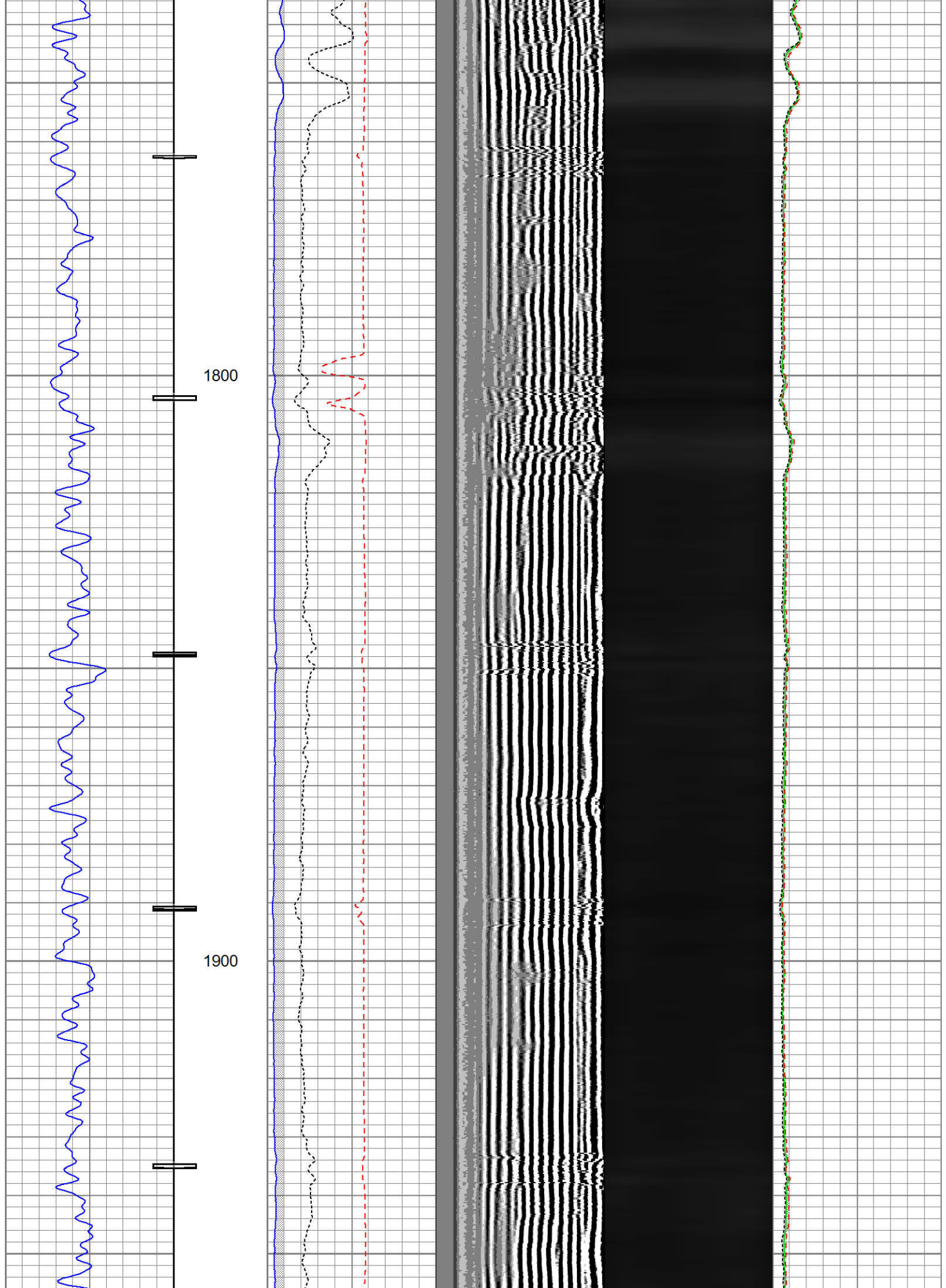




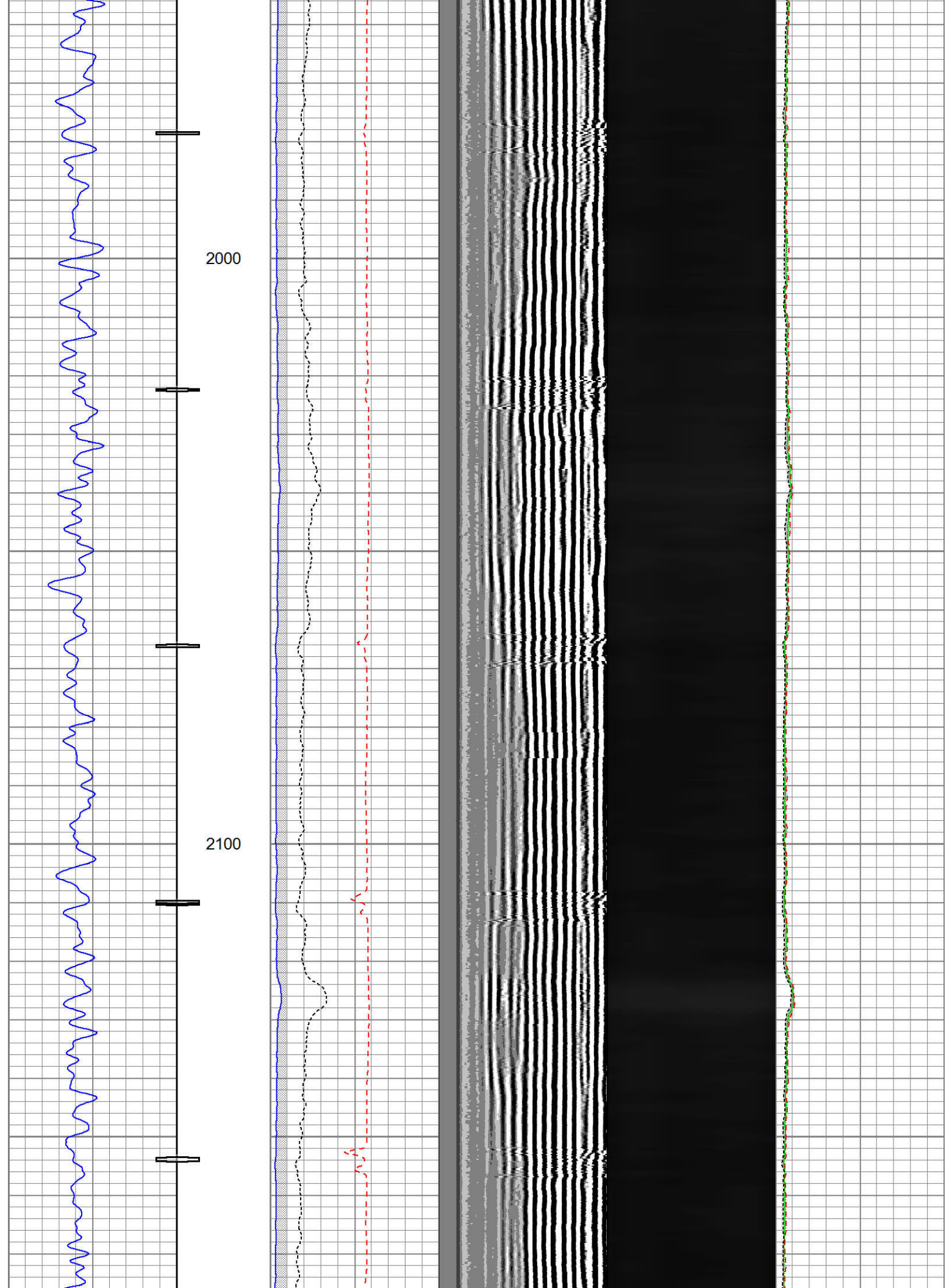


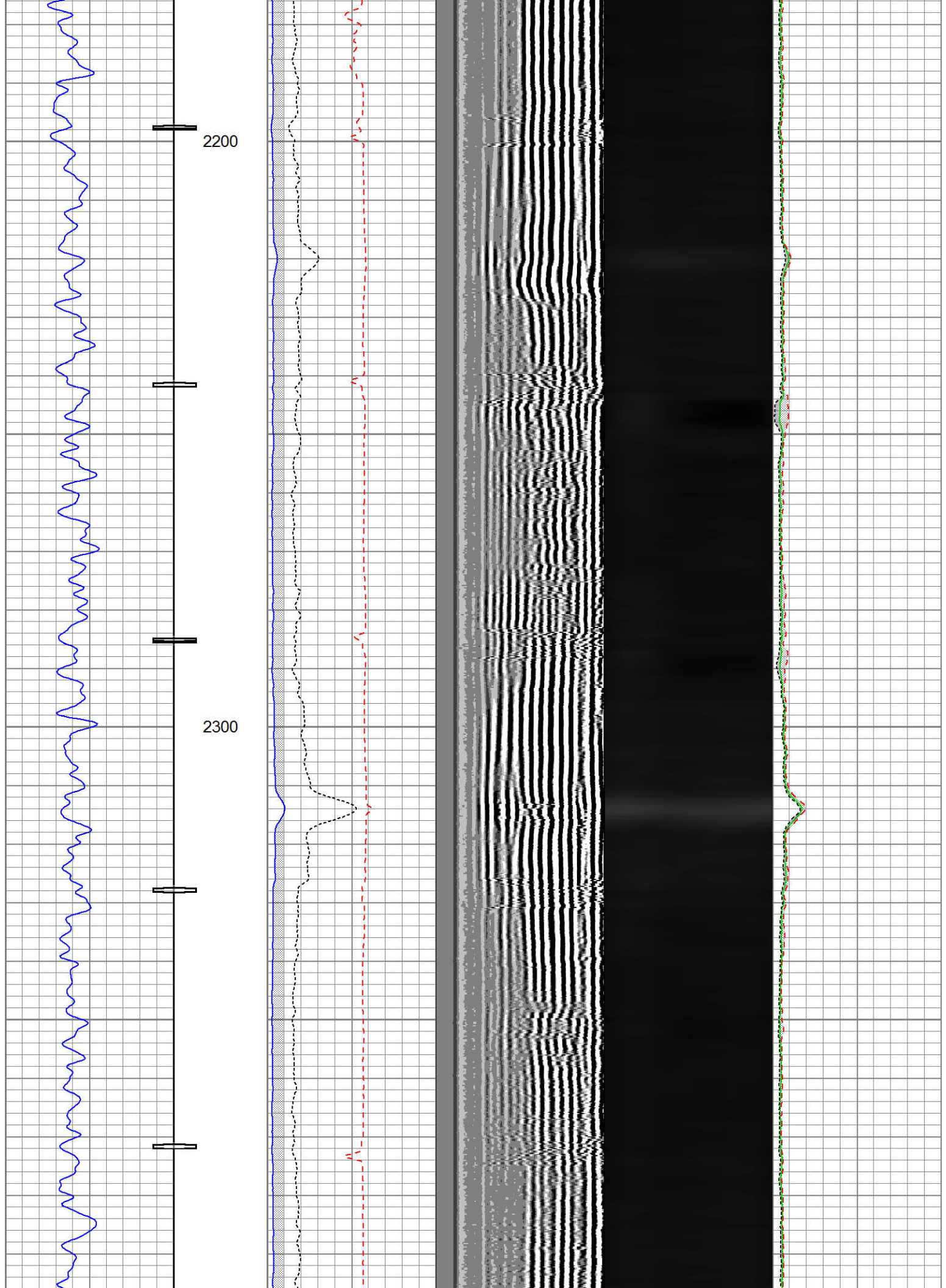










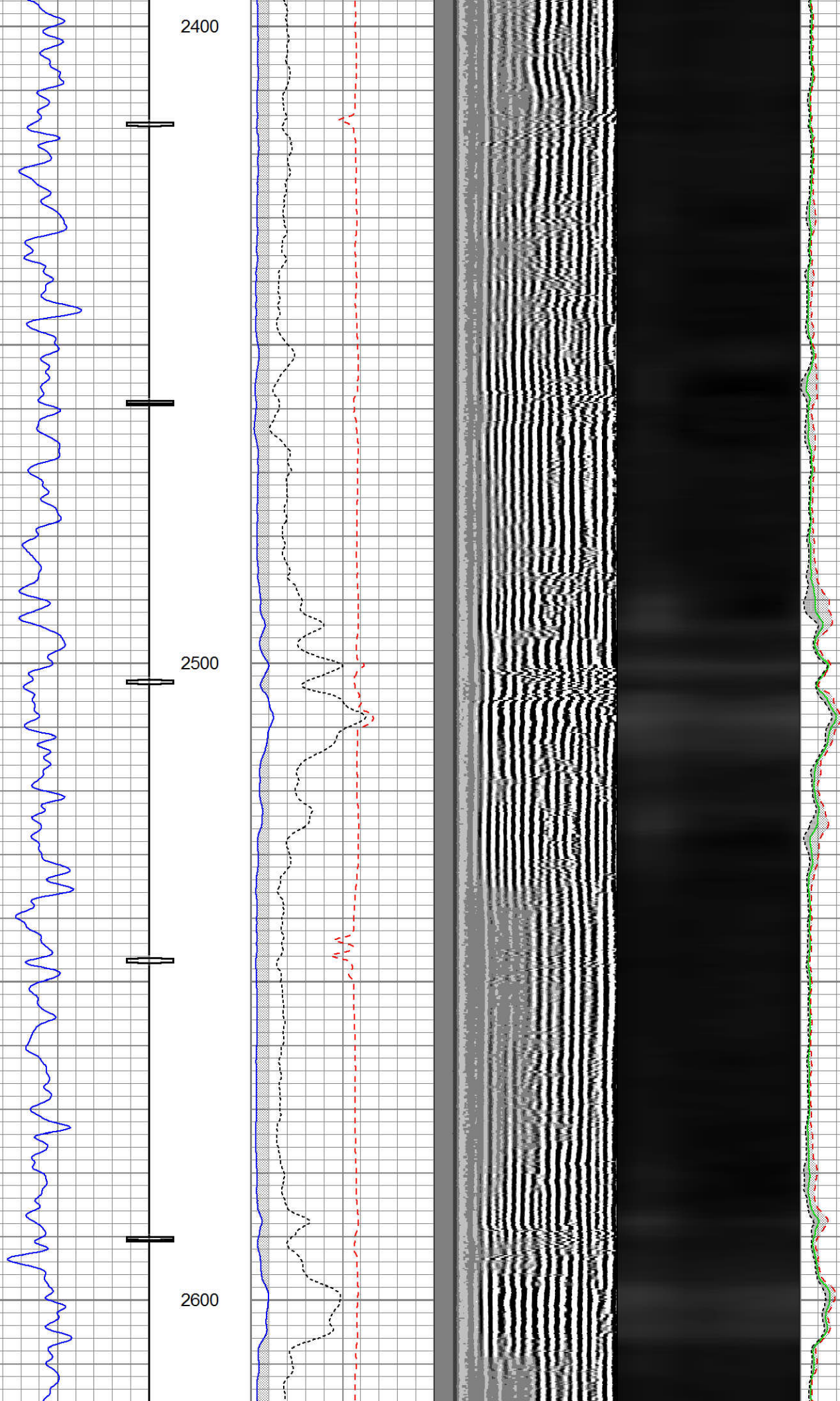


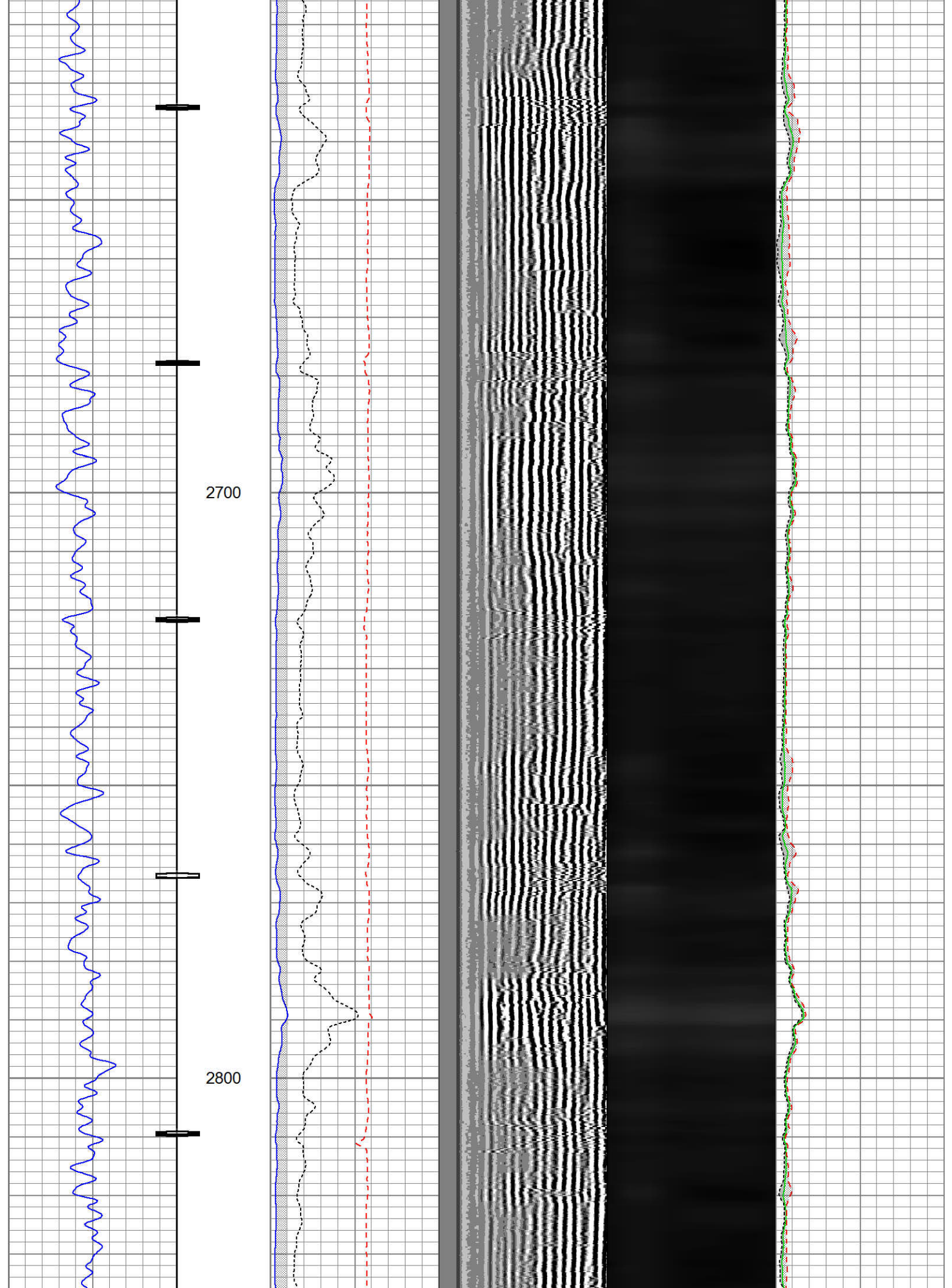


2400

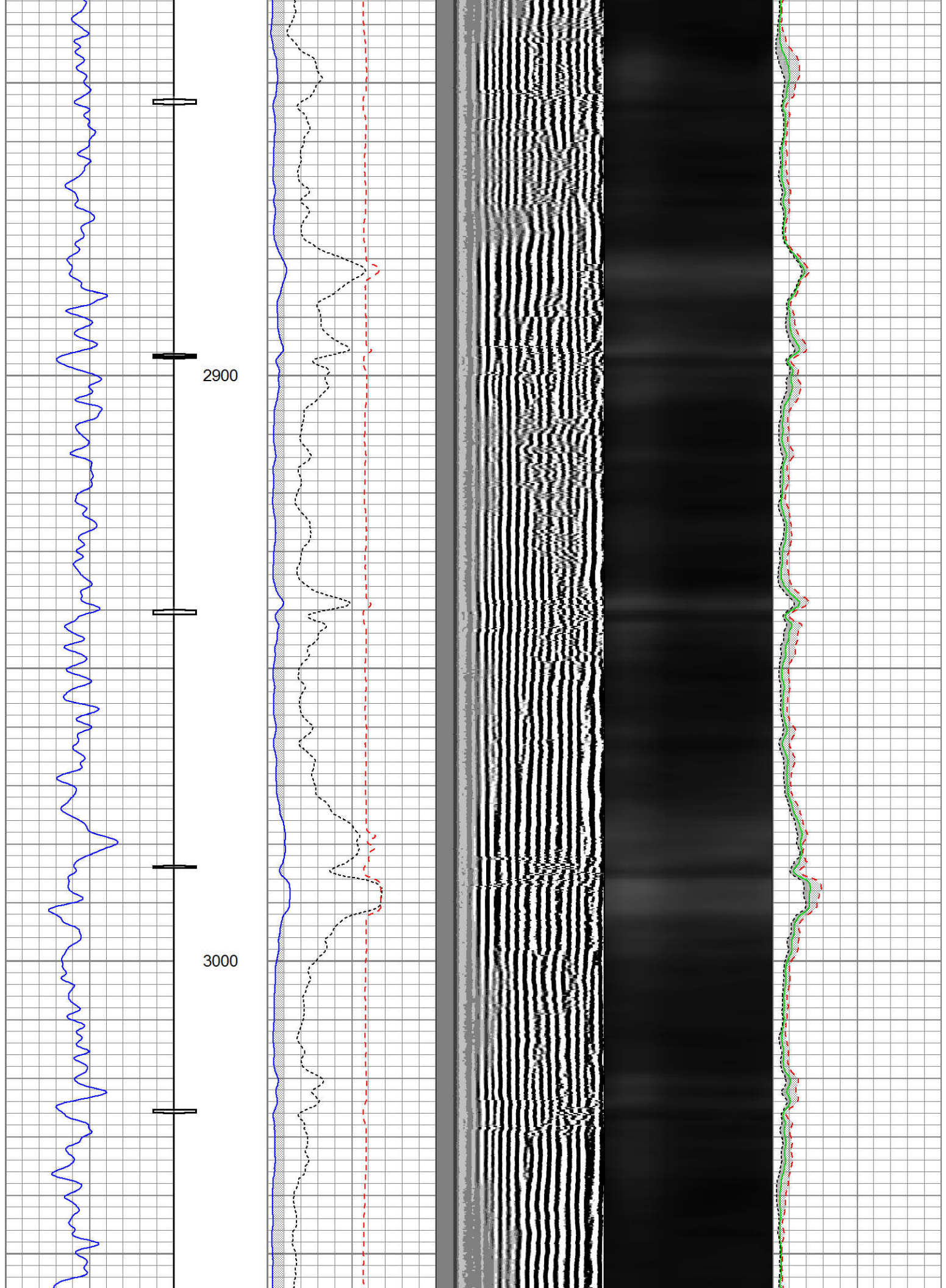
2500

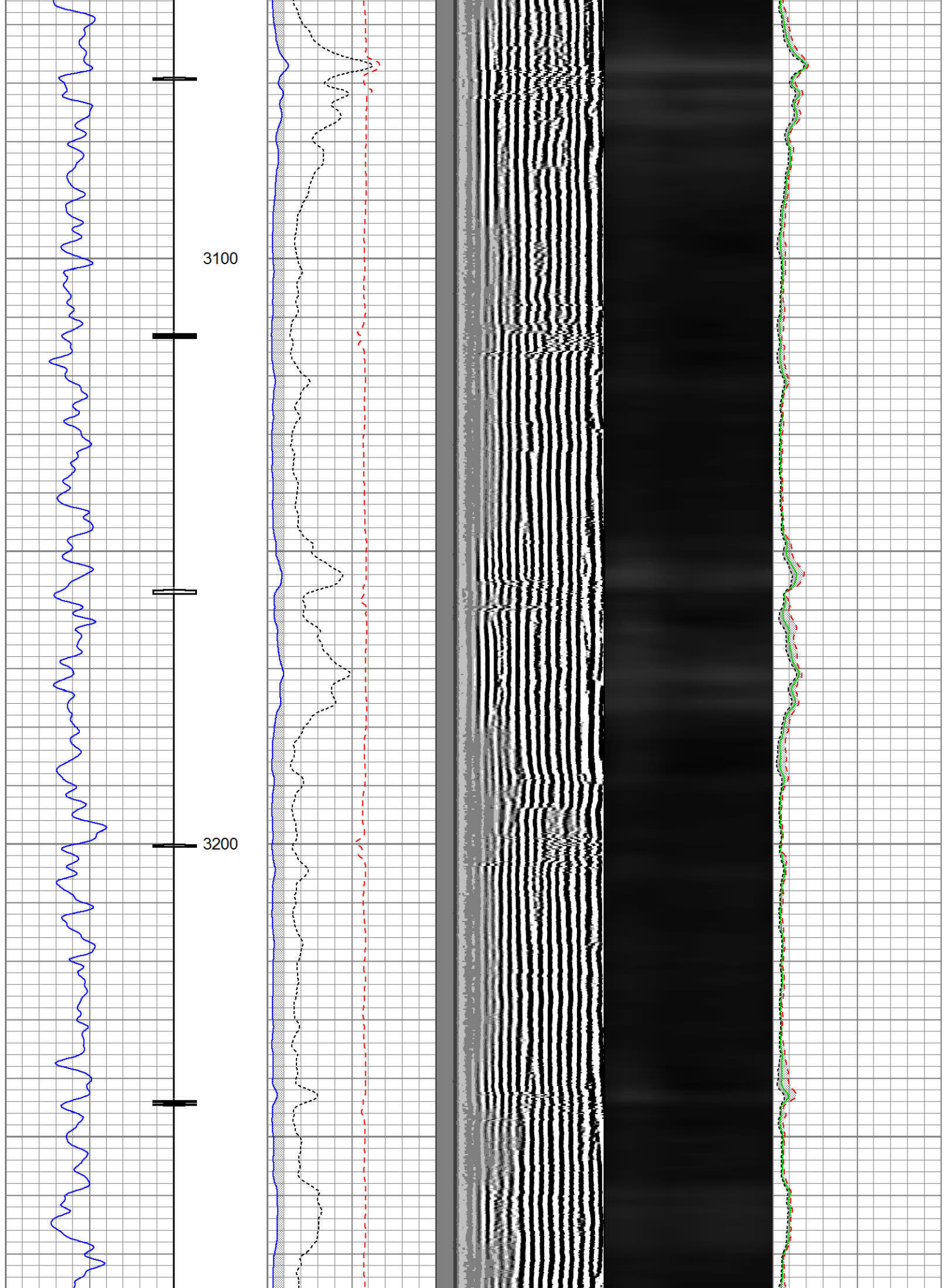
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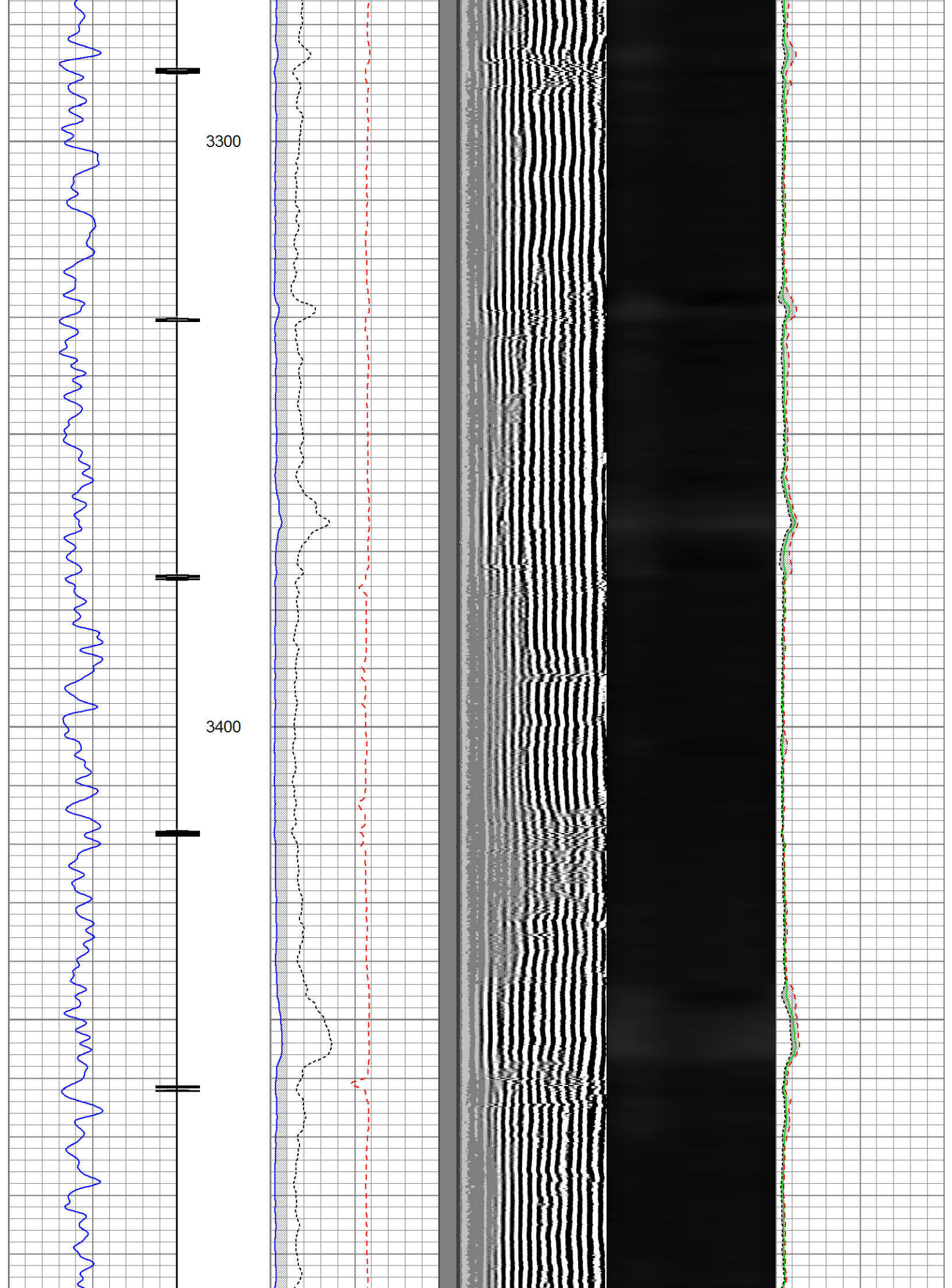








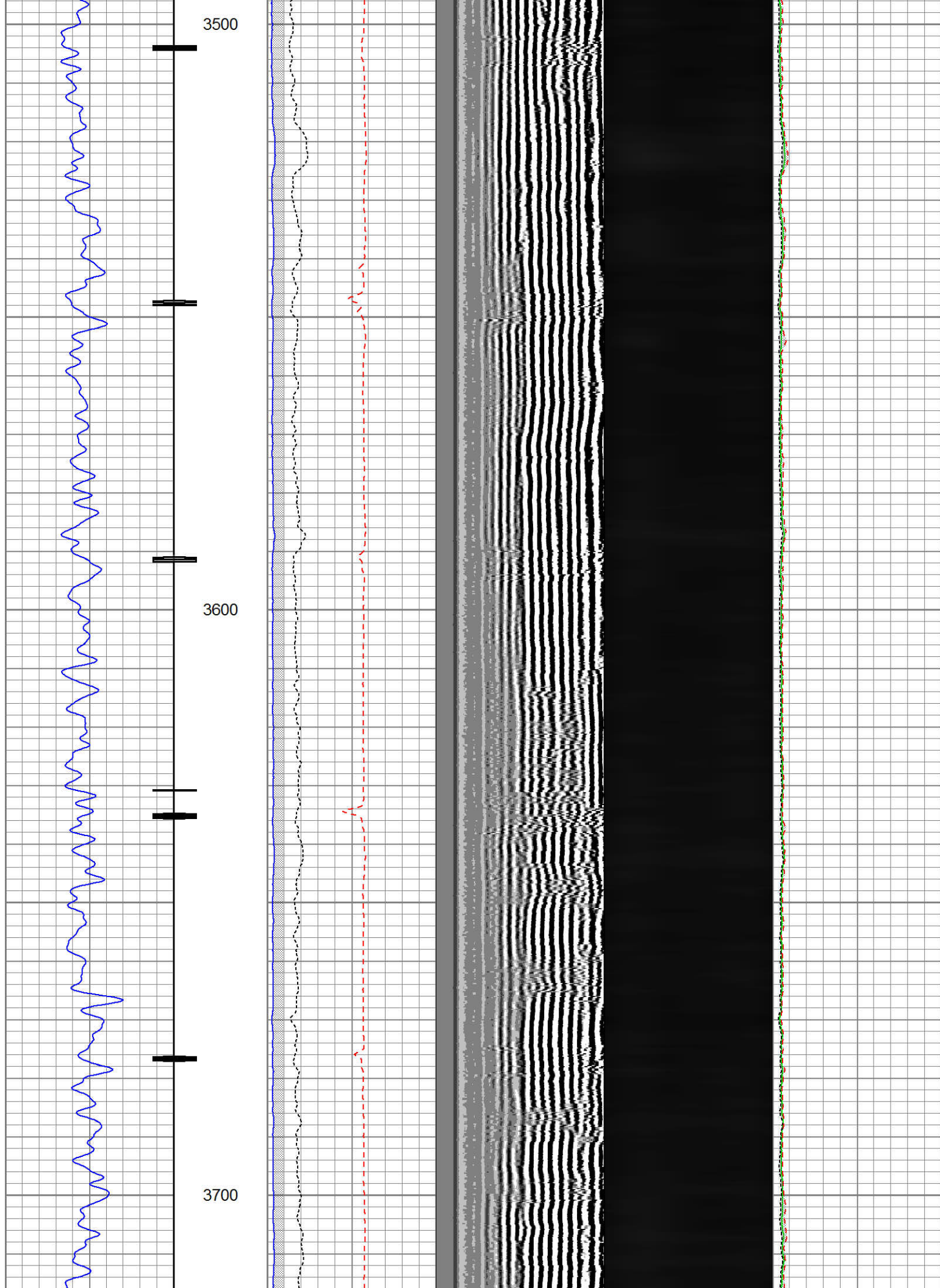




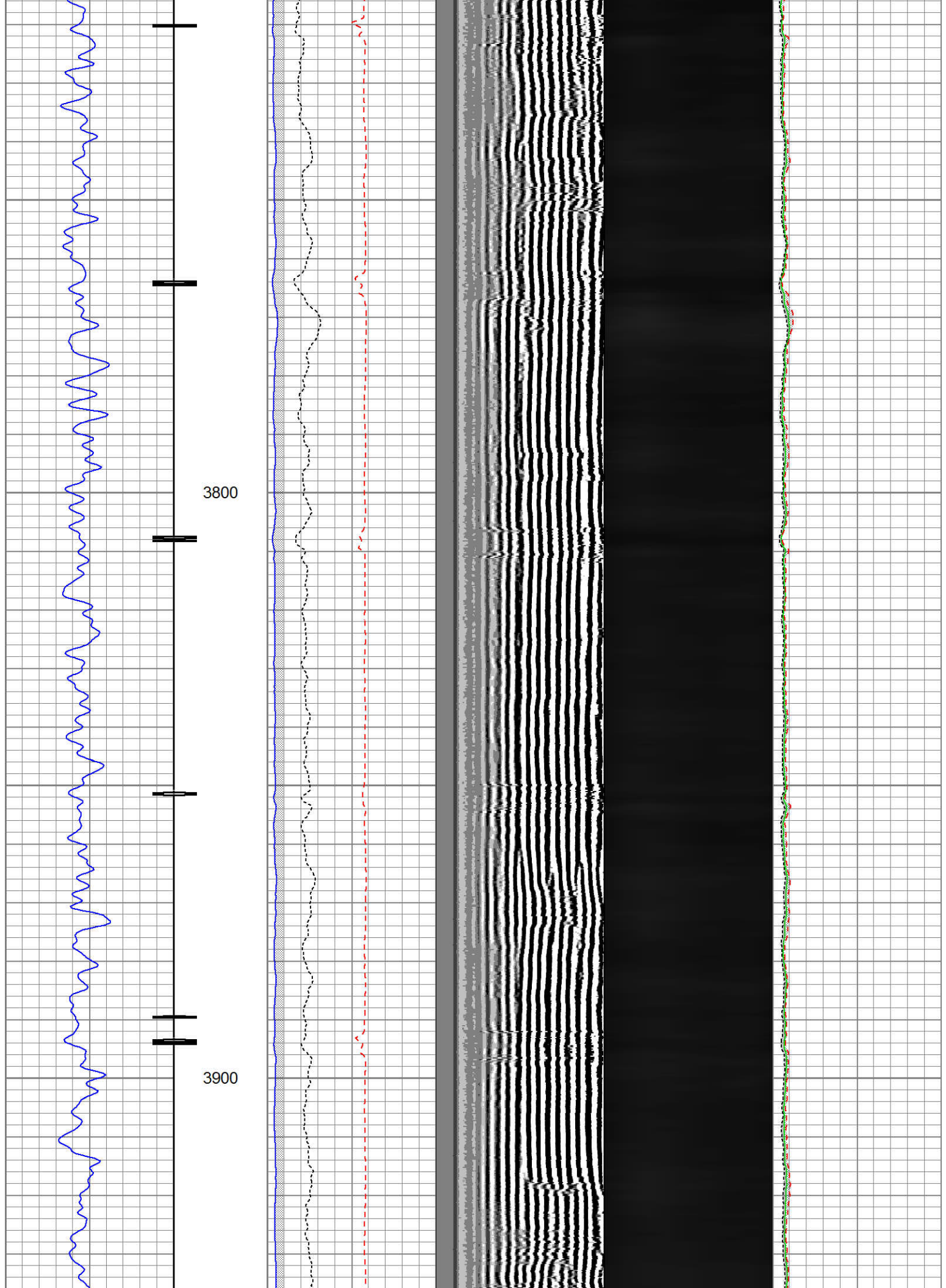
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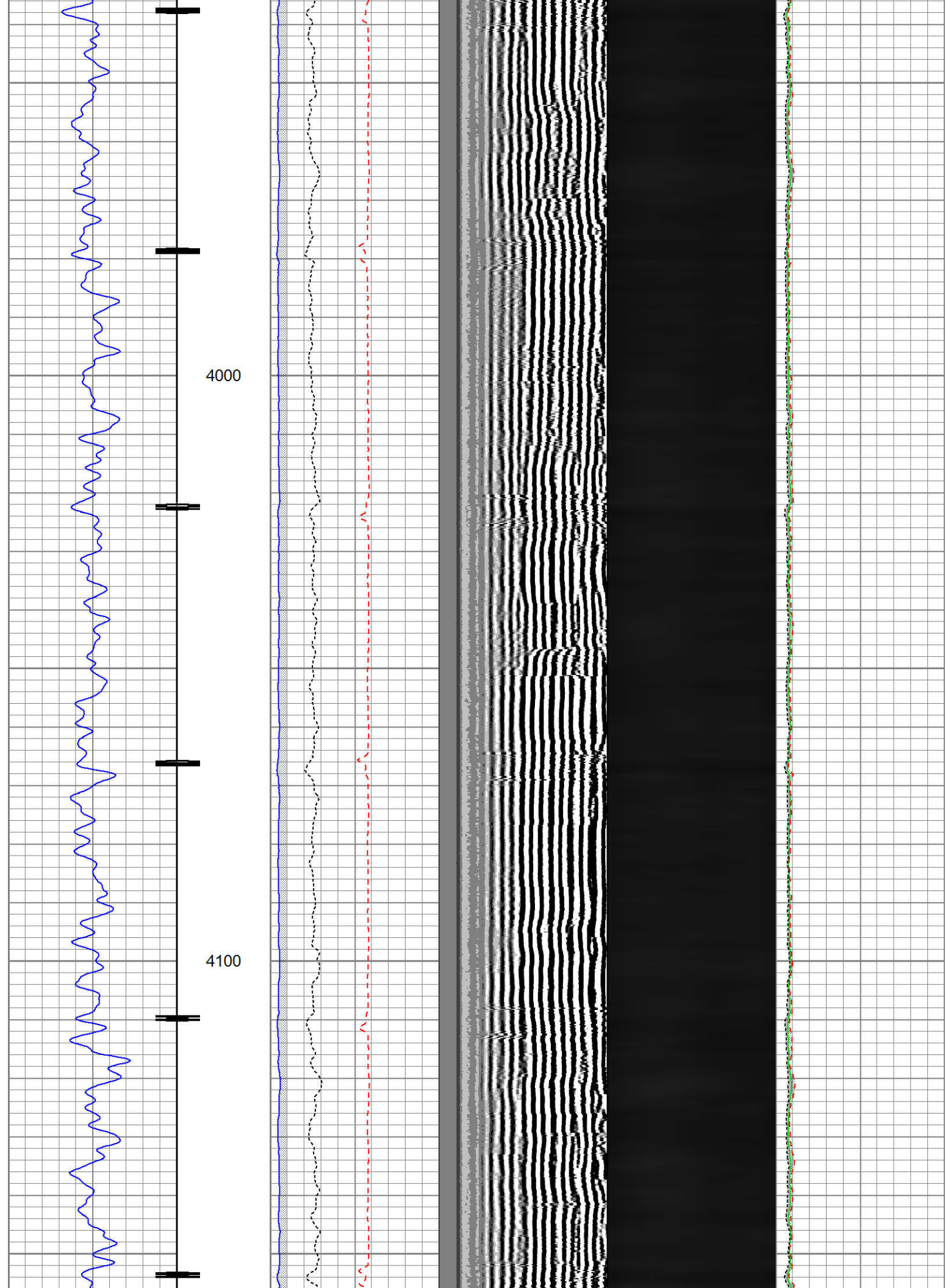
3600

3700

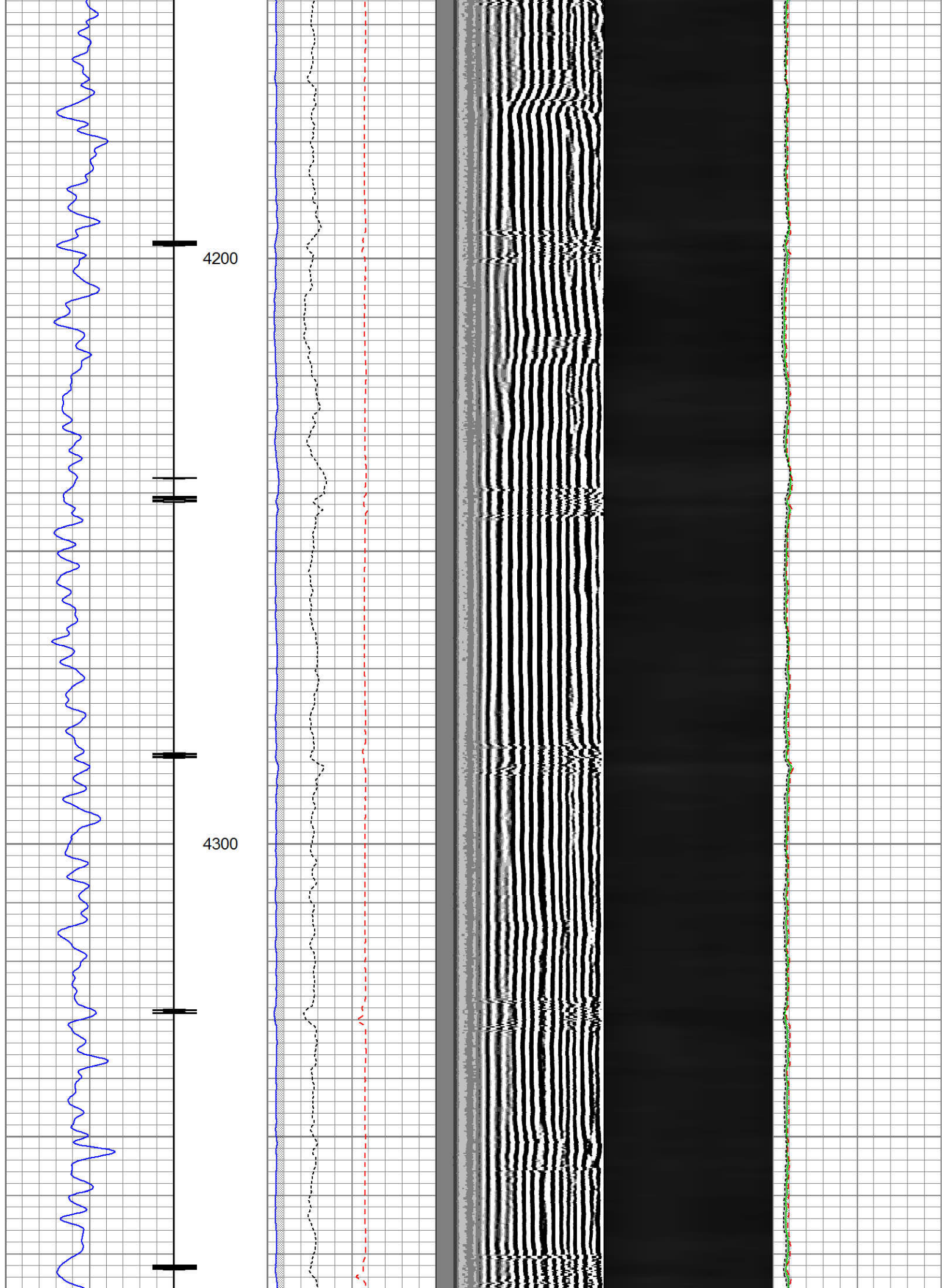


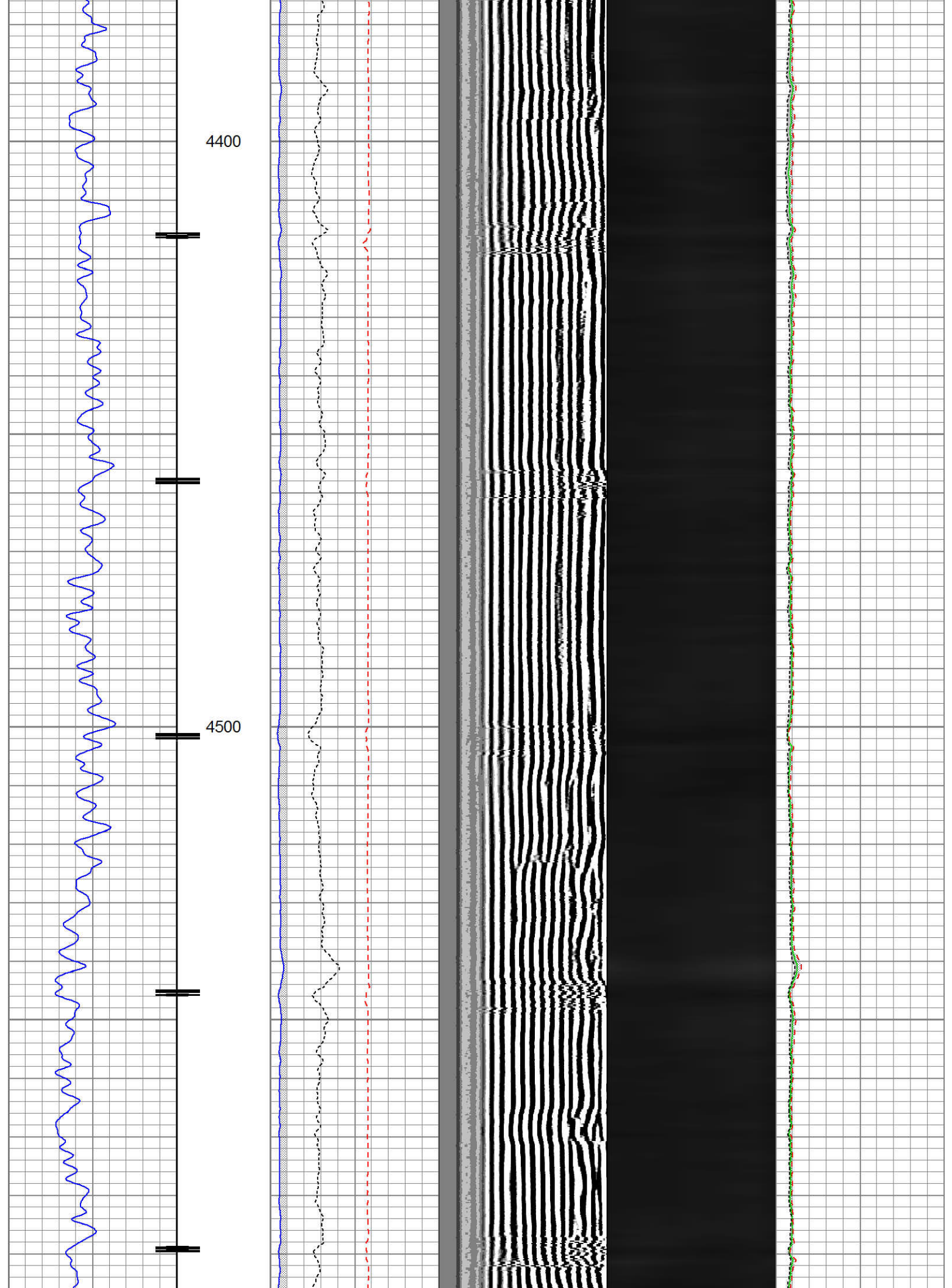










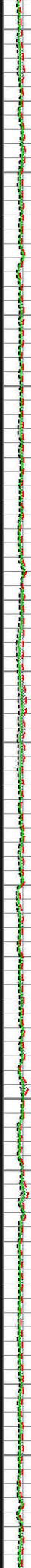
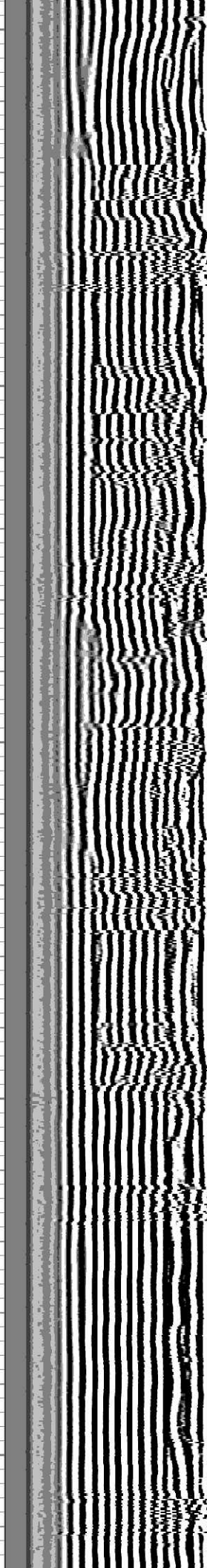
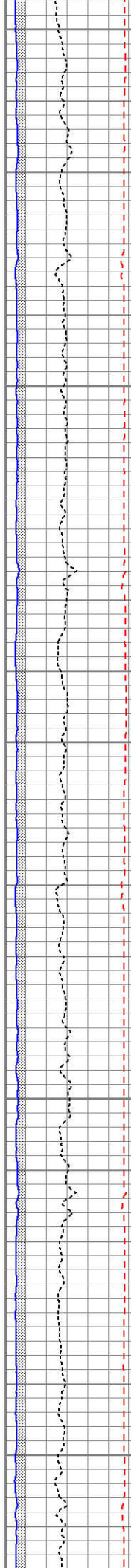


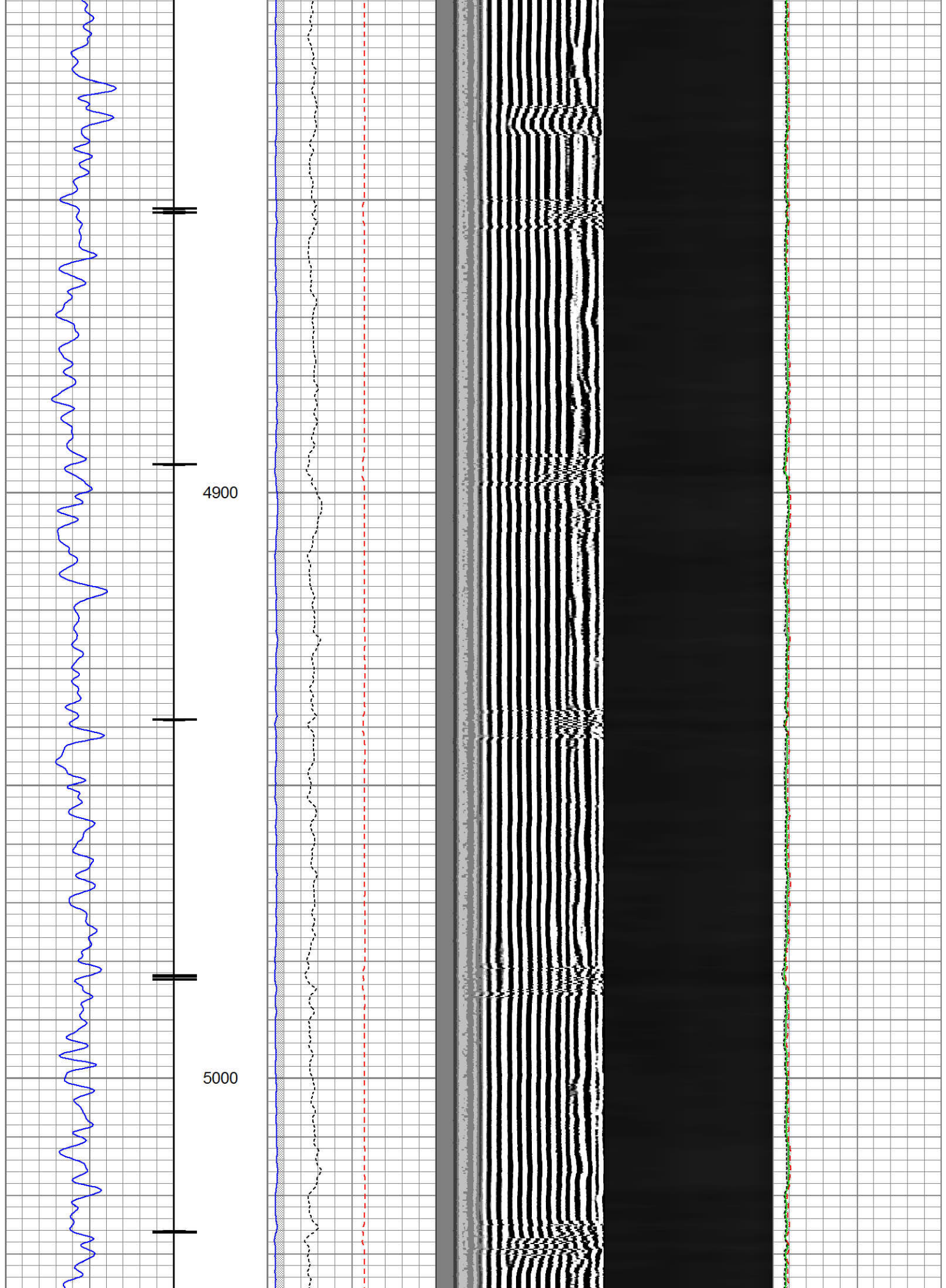


4600

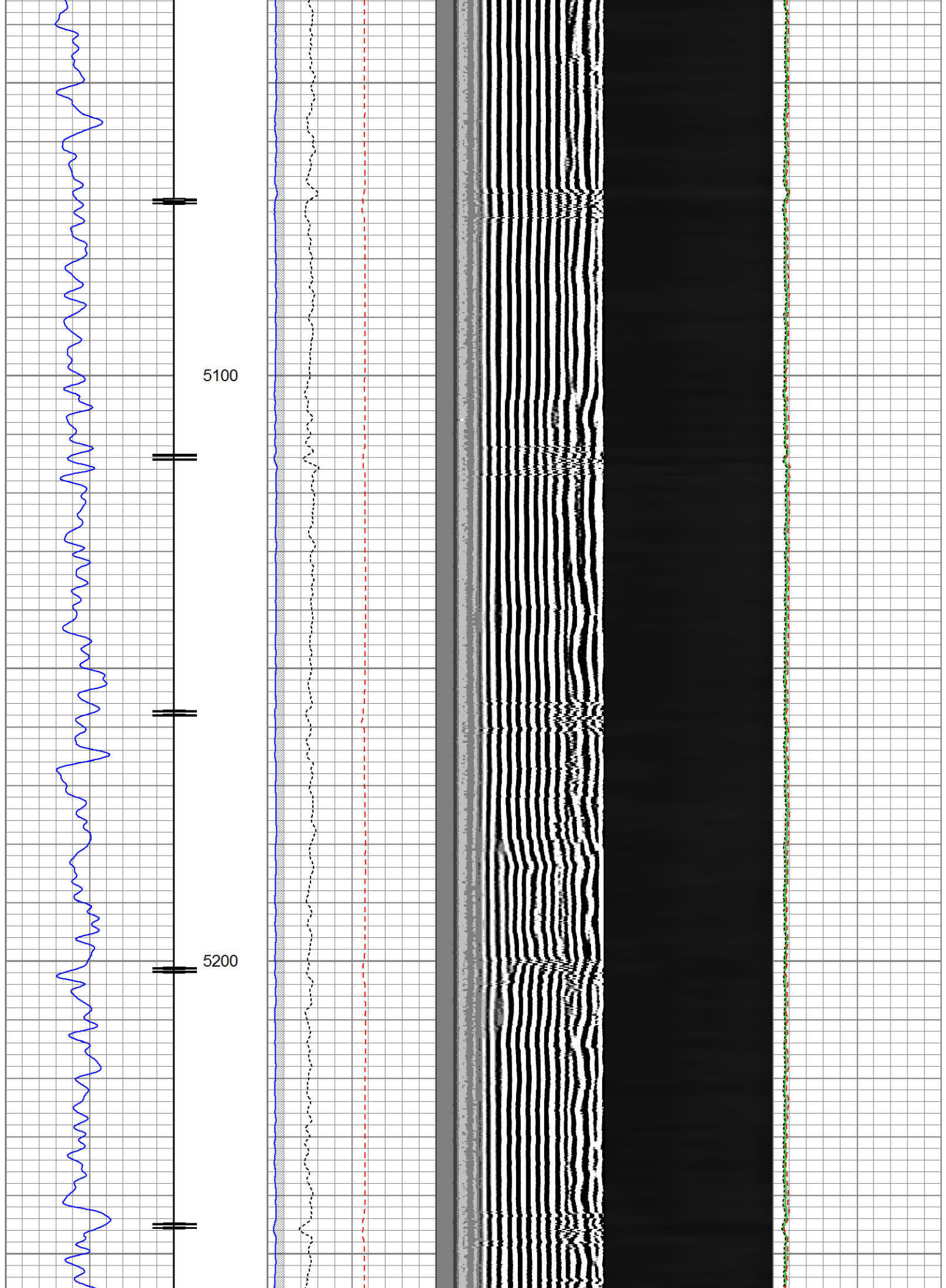
4700

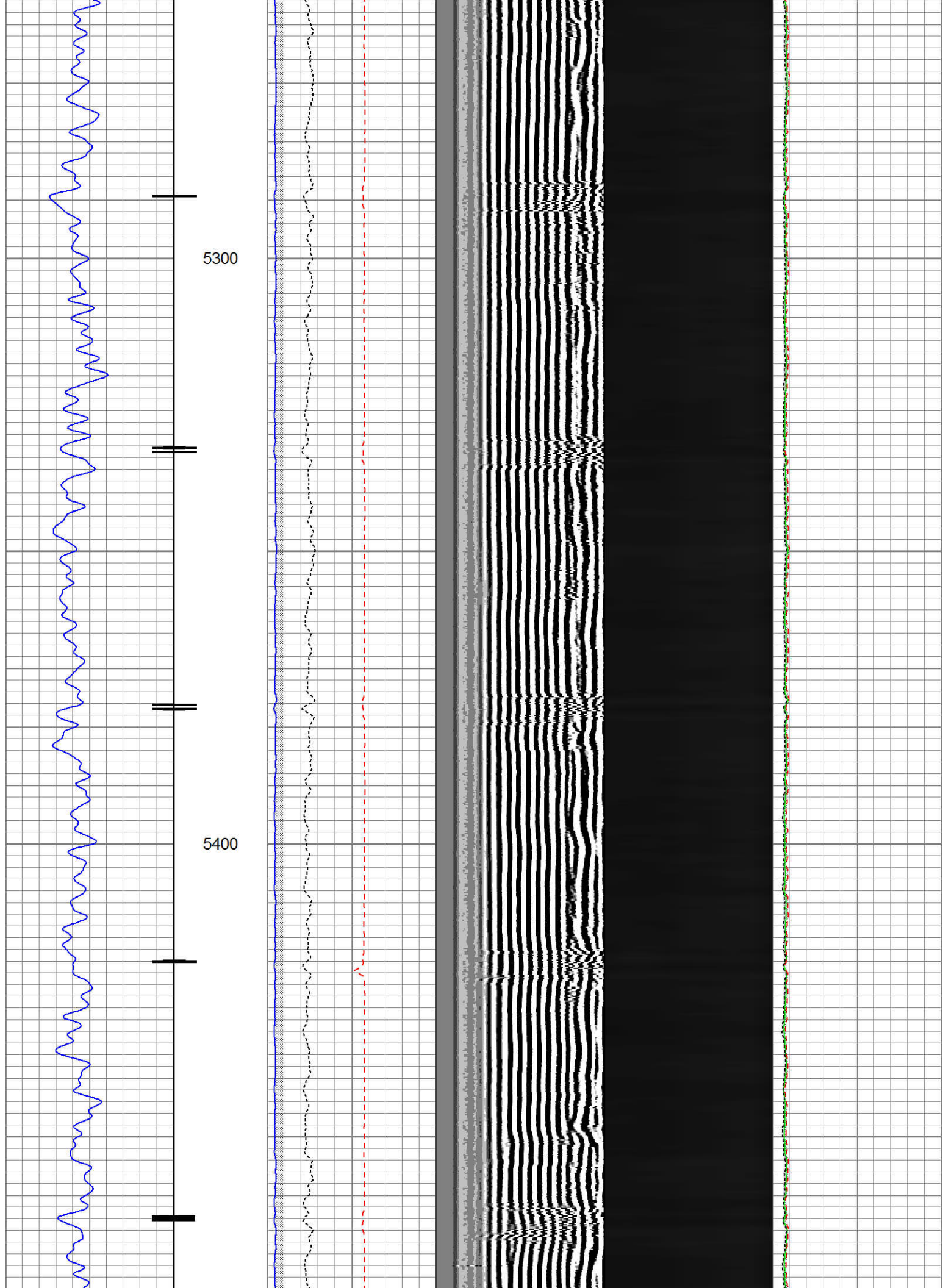
4800



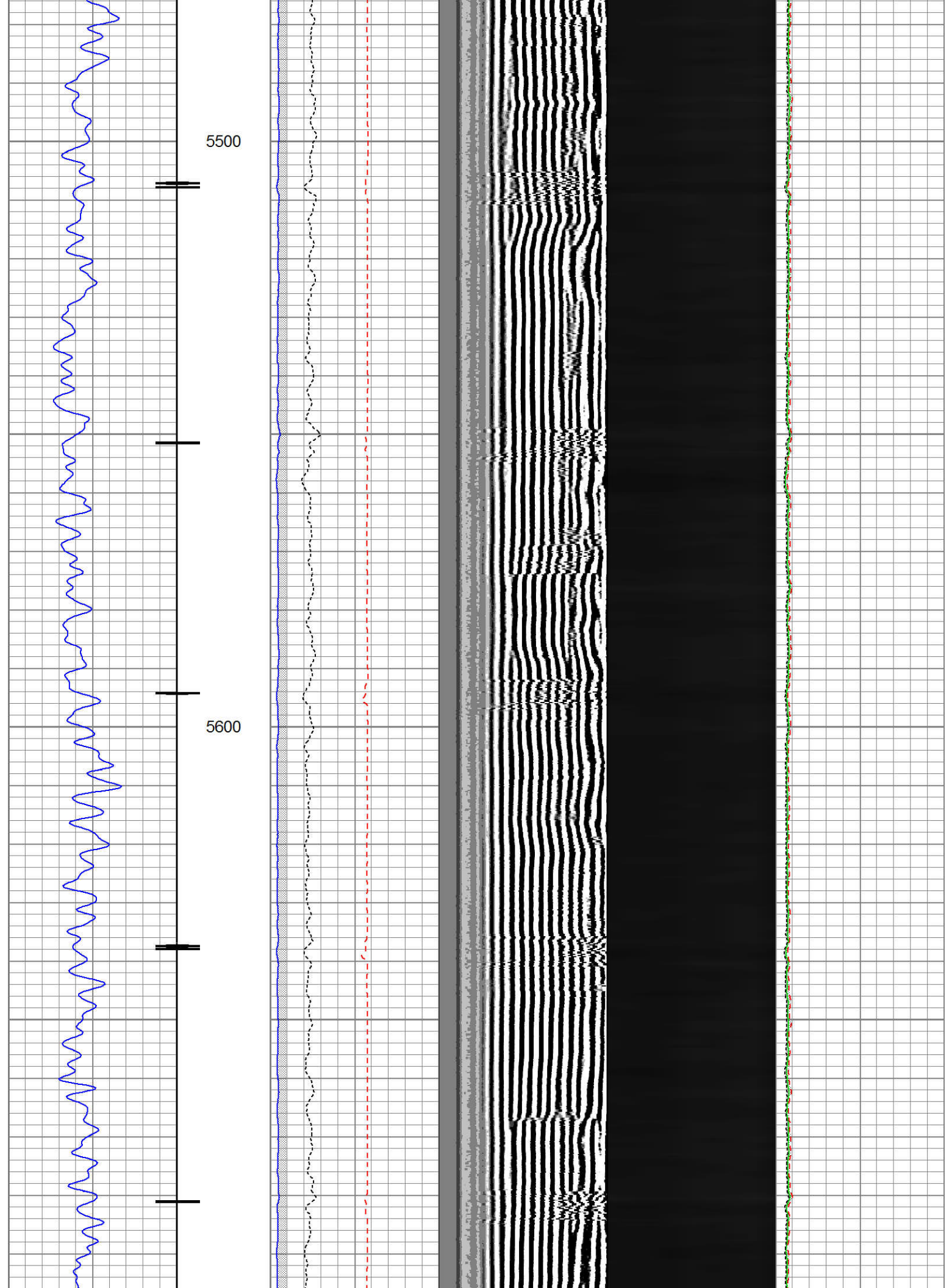








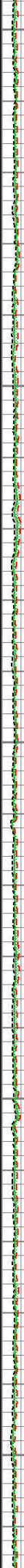
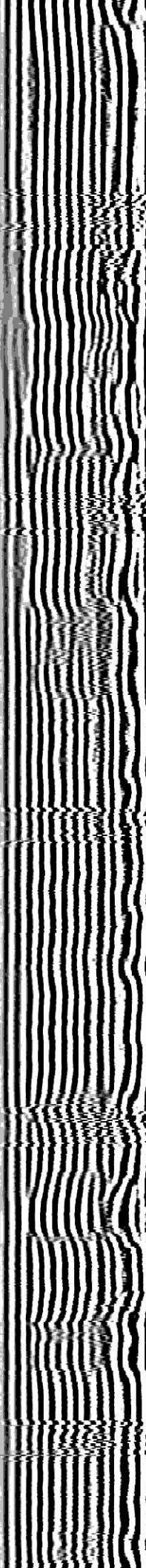
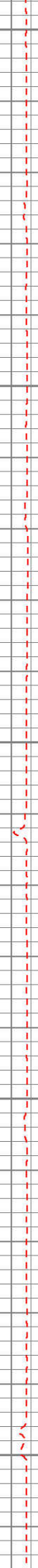
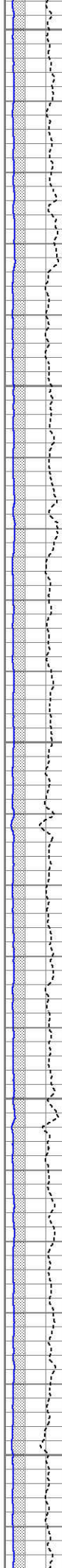




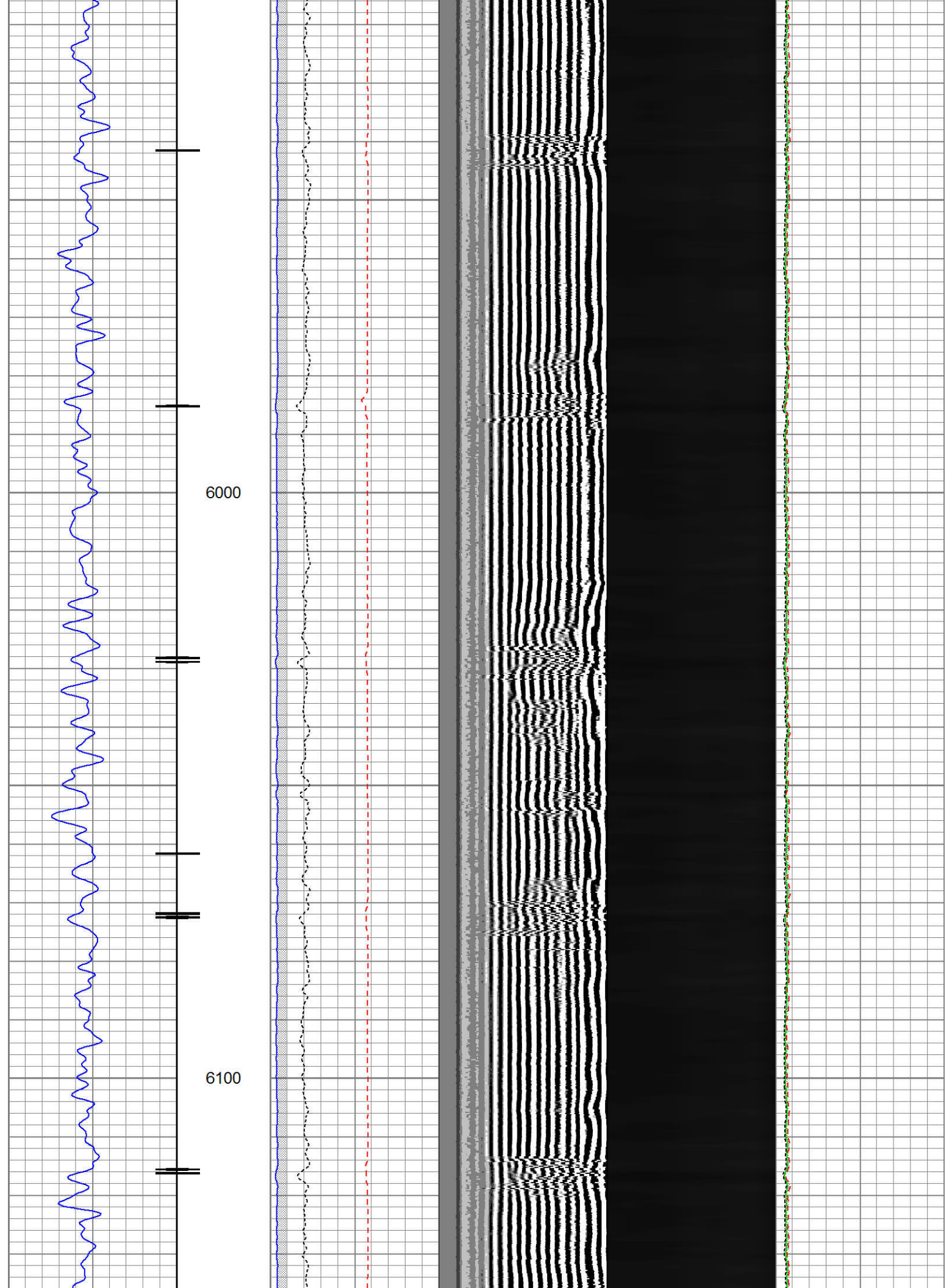
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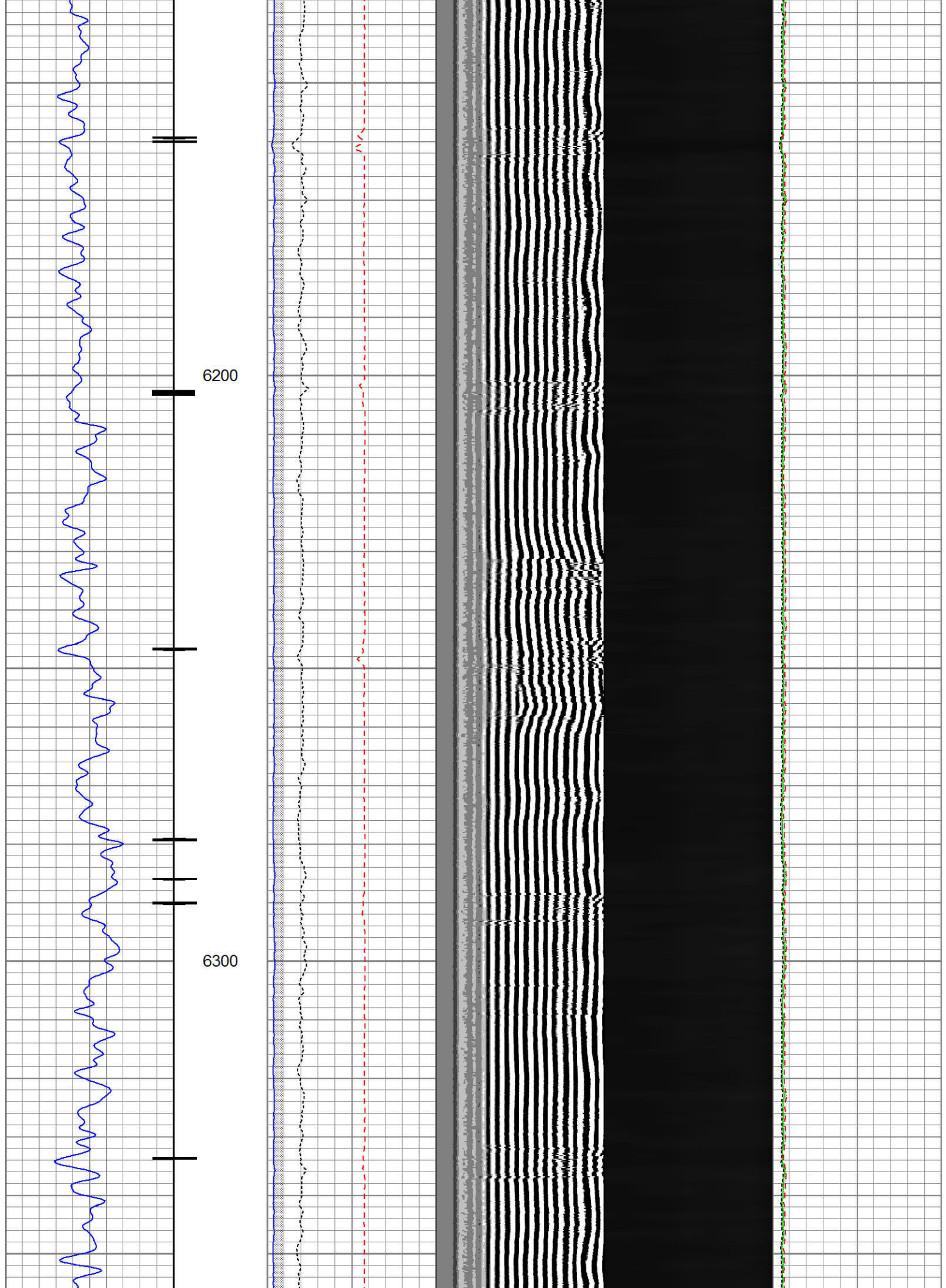
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5900

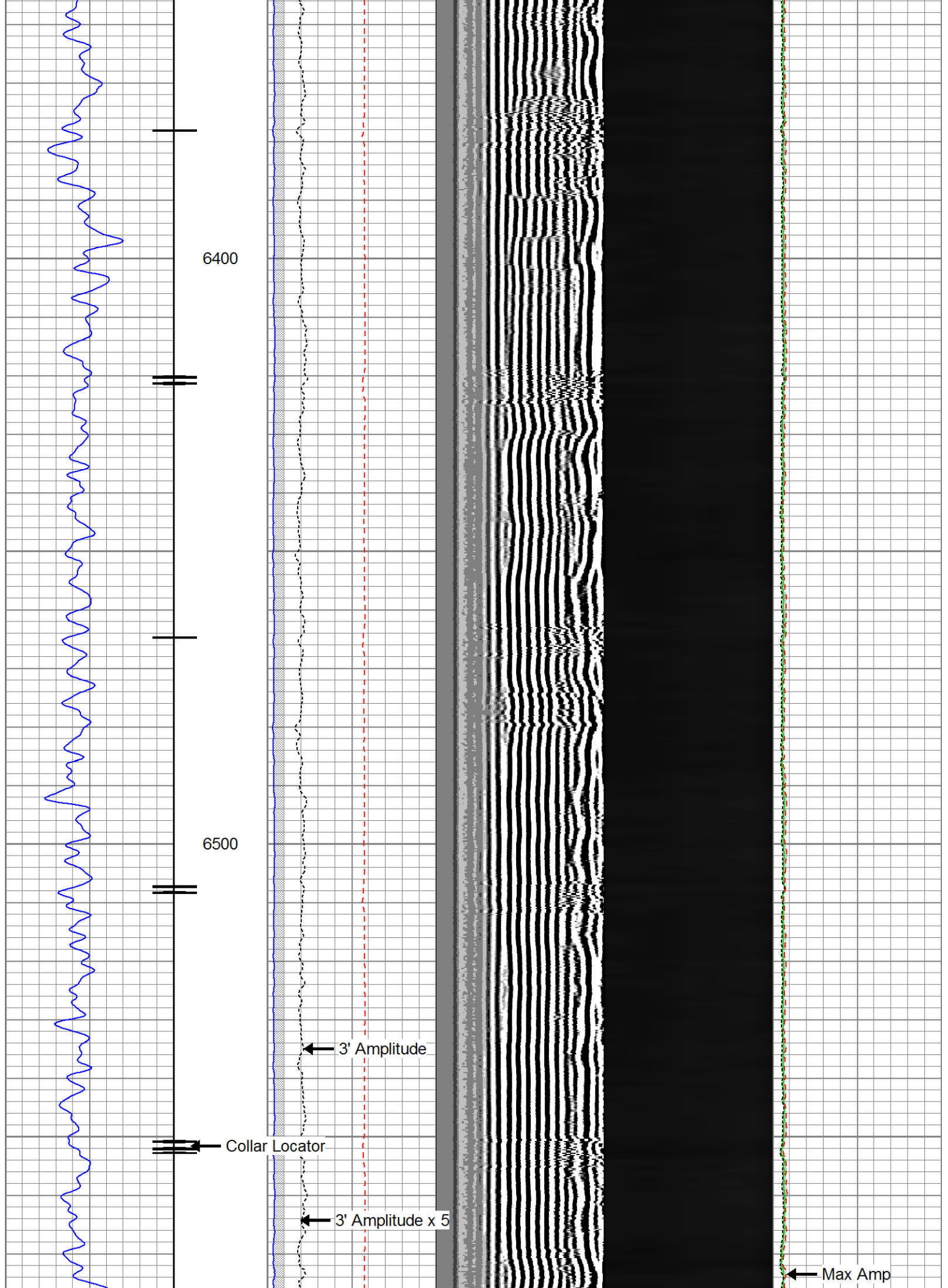


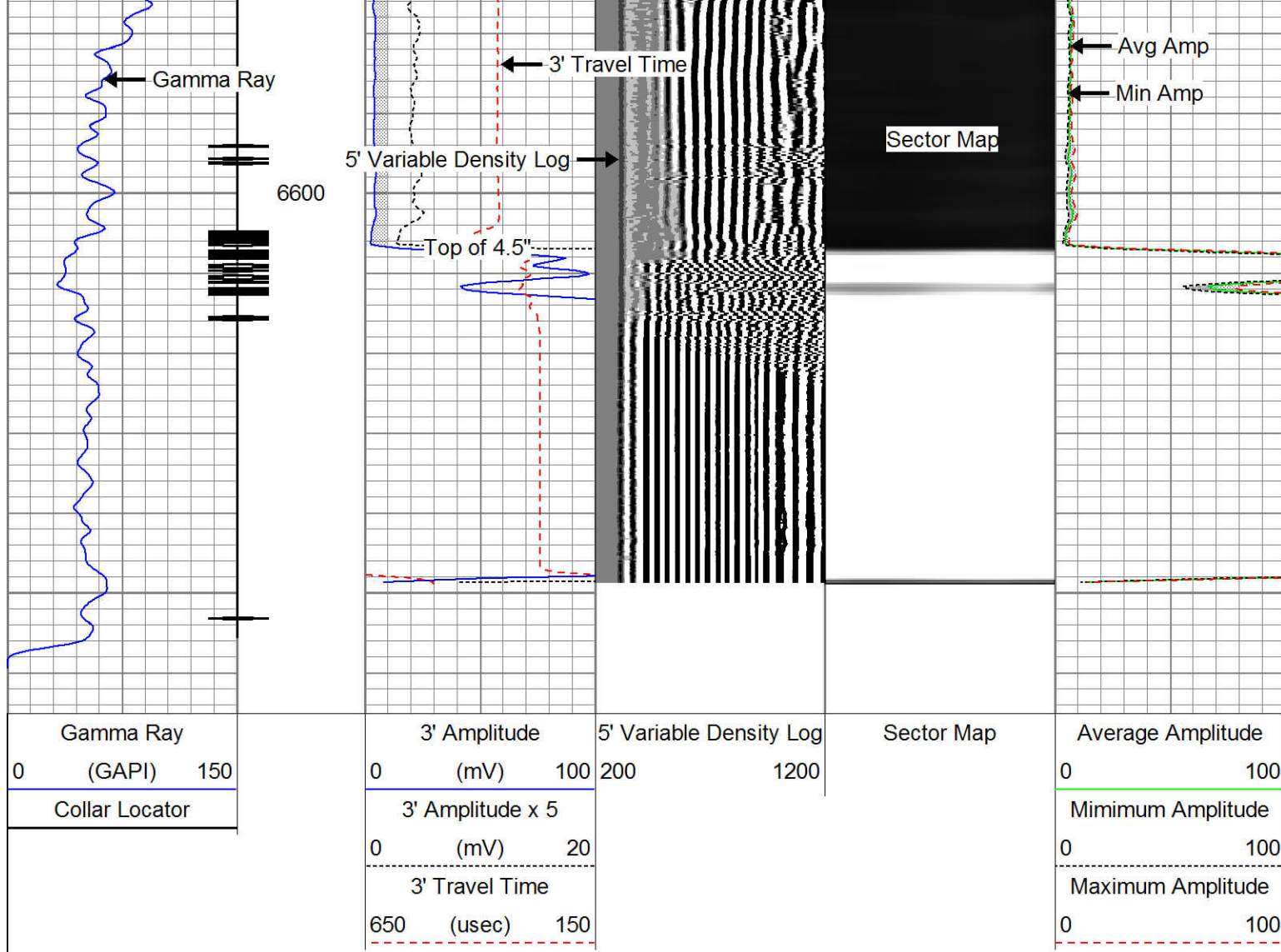






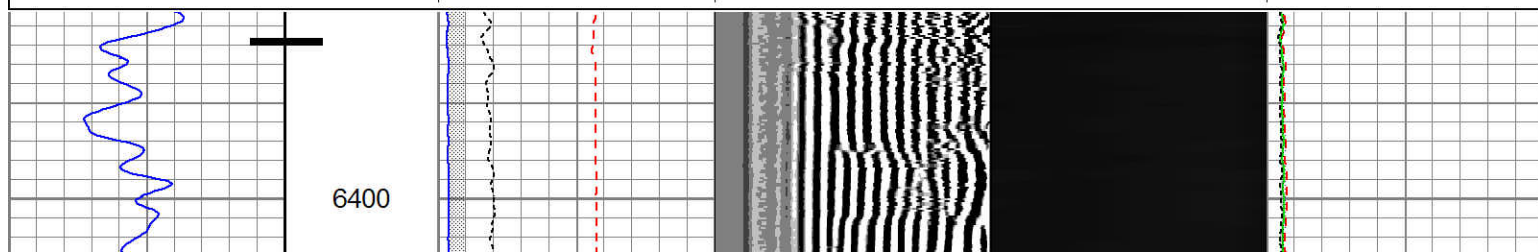
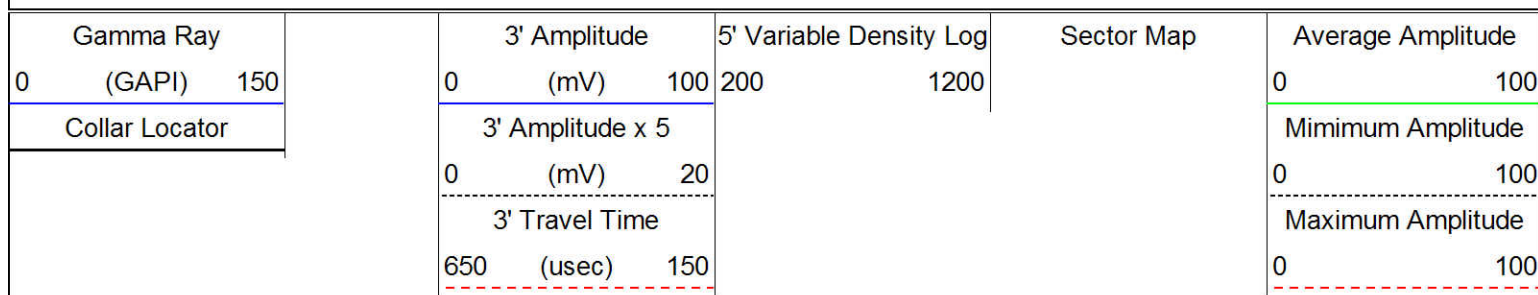




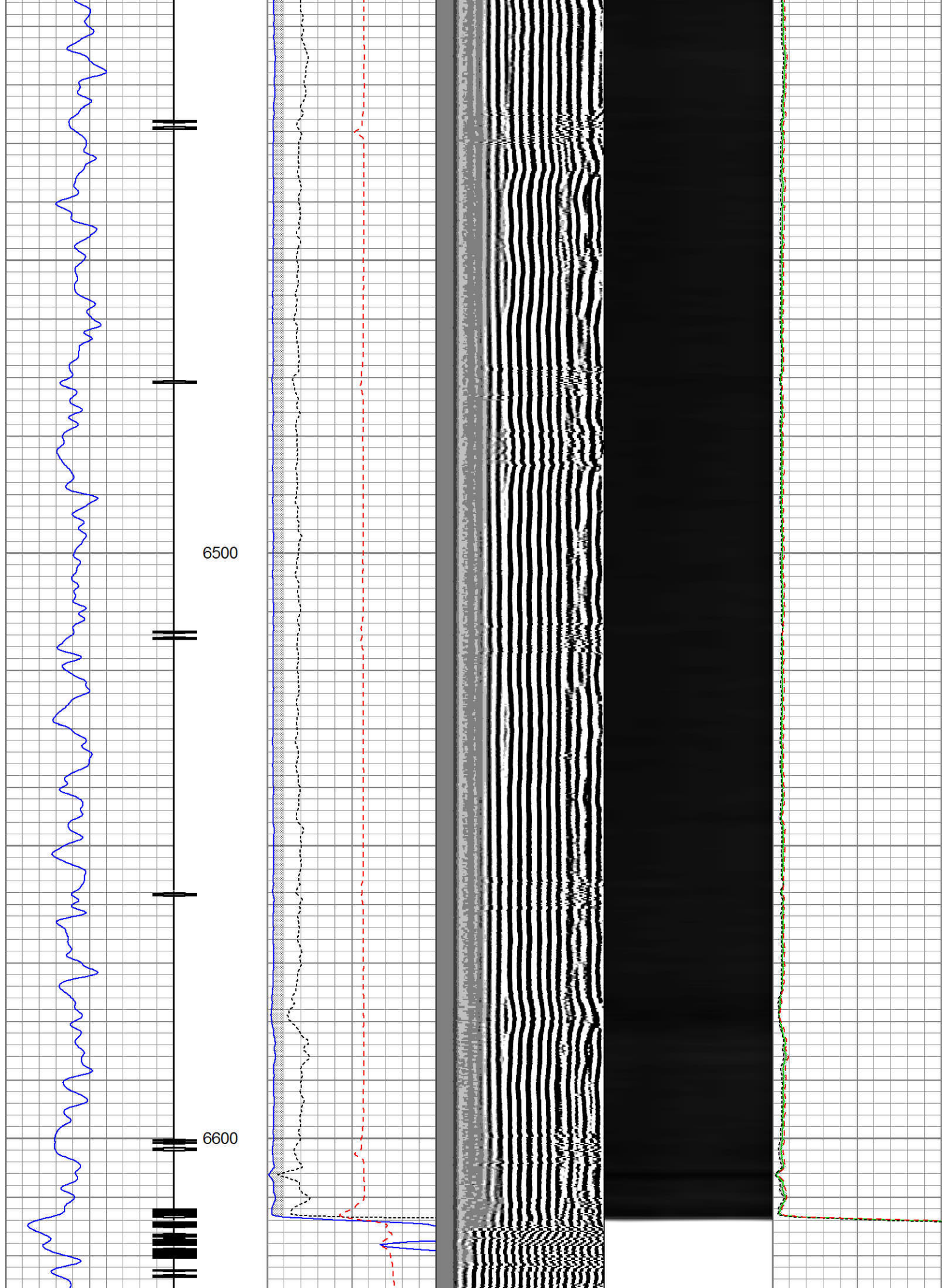


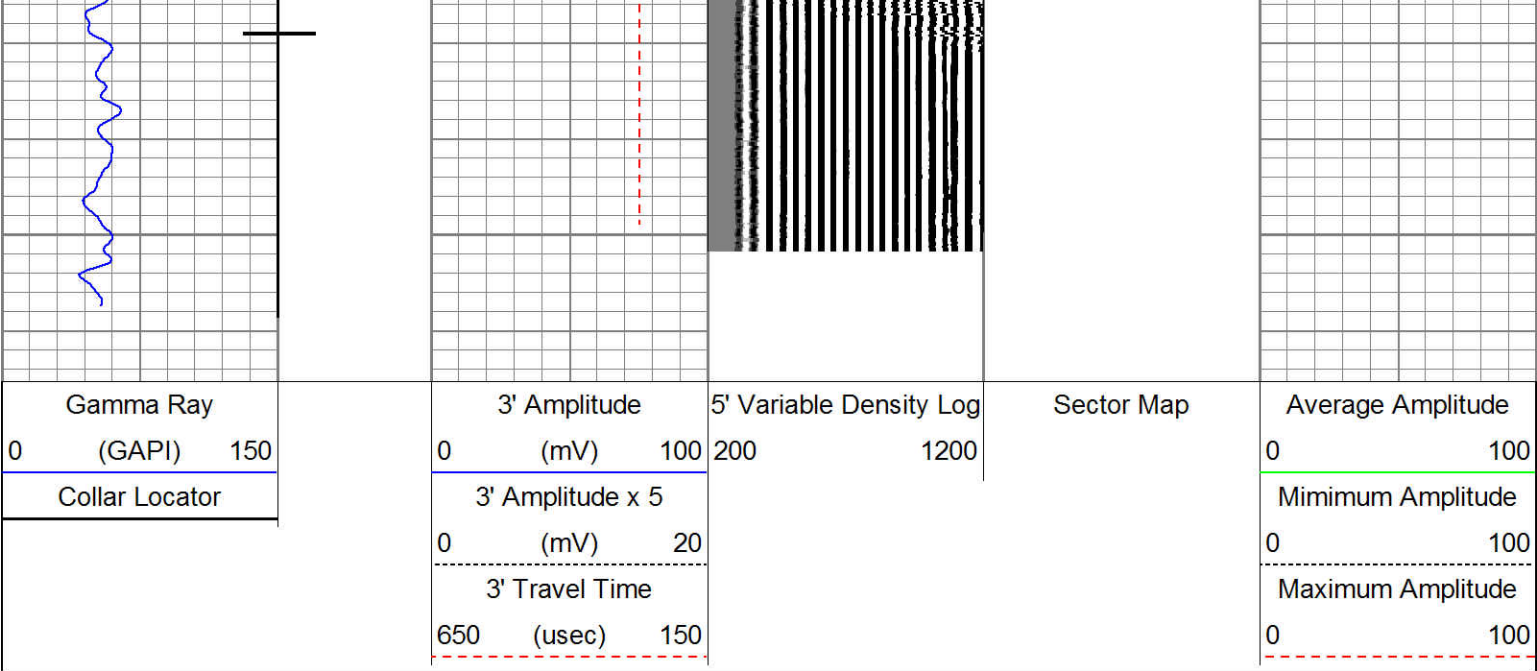
# Repeat Pass 0 PSI

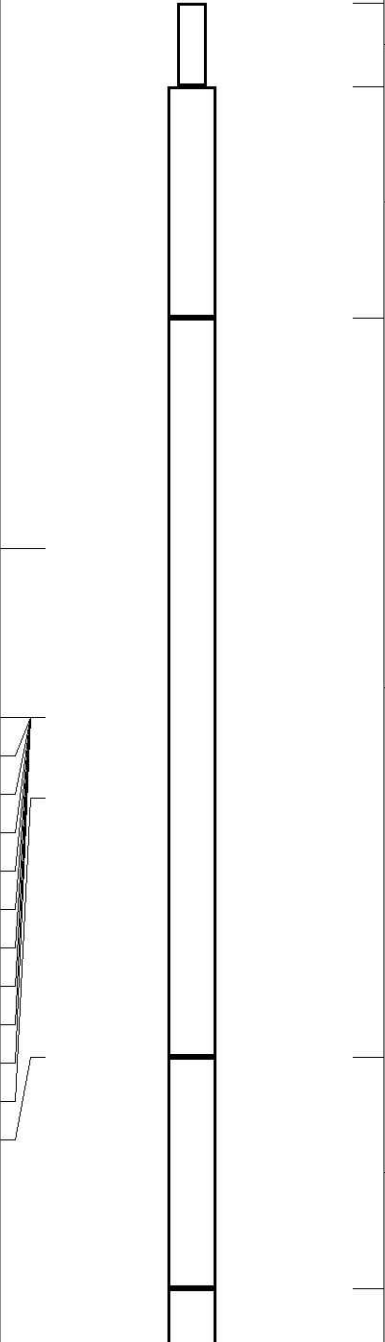

Database File: kmg bydalek 4n-20hz.db  
 Dataset Pathname: pass2  
 Presentation Format: rbt007  
 Dataset Creation: Tue May 21 15:28:59 2013 by Log SCH 111116  
 Charted by: Depth in Feet scaled 1:240









Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
Temp	16.68		Titan_1_11_16	1.04	1.69	5.00
			Probe_IL_BS_Cent Probe 2-3/4" Inline Electrical Inline Bowspring Centralizer	2.88	2.75	10.00
WVF3FT	14.57		Probe_RADII-C-2-3/4" (FW1302-001in7") 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					
RHeadVolt	10.34		Probe_IL_BS_Cent Probe 2-3/4" Inline Electrical Inline Bowspring Centralizer	2.88	2.75	10.00



CCL	6.59					
DCCL	6.59					
GR	5.25			Probe_CCL_GR-2.75"Digital (FW1302-12C4.58 Probe 2-3/4" Digital CCL / Gamma Ray Combined	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 hudson 13n-35hz-rbl.db: field/well/run1/proc2 Total Length: 23.47 ft Total Weight: 190.00 lb O.D. 2.75 in						

Calibration Report		
Database File:	kmg bydalek 4n-20hz.db	
Dataset Pathname:	pass3	
Dataset Creation:	Tue May 21 15:41:43 2013 by Log SCH 111116	

Gamma Ray Calibration Report		
Serial Number:	FW1211-026	
Tool Model:	2.75"Digital	
Performed:	Tue May 21 11:02:45 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.5	cps
Sensitivity:	0.5800	GAPI/cps

Segmented Cement Bond Log Calibration Report		
Serial Number:	FW1302-002in4.5"	
Tool Model:	2-3/4"	
Calibration Casing Diameter:	7.000	in
Calibration Depth:	812.227	ft

Master Calibration, performed Tue May 21 11:19:45 2013:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.011	0.700	0.000	62.165	90.239	-1.007
CAL	0.009	1.001				
5'	0.018	0.741	0.000	62.165	86.023	-1.550
SUM						
S1	0.013	0.707	0.000	100.000	144.050	-1.910
S2	0.012	0.794	0.000	100.000	127.796	-1.529
S3	0.011	0.797	0.000	100.000	127.258	-1.415
S4	0.009	0.742	0.000	100.000	136.365	-1.187
S5	0.009	0.688	0.000	100.000	147.185	-1.252
S6	0.009	0.660	0.000	100.000	153.555	-1.408

S7	0.009	0.652	0.000	100.000	155.499	-1.334
S8	0.009	0.674	0.000	100.000	150.467	-1.343

Internal Reference Calibration, performed Sun May 19 10:35:22 2013:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.009	1.001	1.000	0.000

Air Zero Calibration, performed Sun May 19 10:34:44 2013:

	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



Company	Kerr-McGee Oil & Gas Onshore, L.P.
Well	Bydalek 4N-20HZ
Field	Wattenberg
County	Weld
State	Colorado