



RADIAL BOND LOG  
GAMMA RAY  
CCL

Company CUB CREEK		Location: API # : 05-123-42784		Other Services			
Well LITZENBERGER 4		SEC 8 TWP 3N RGE 68W		Elevation			
Field WATTENBERG		Log Measured From KB 17'		K.B. D.F. G.L.			
County WELD		Drilling Measured From KB					
State COLORADO							
Date 10-8-2017							
Run Number ONE							
Depth Driller 12018'							
Depth Logger 7597'							
Bottom Logged Interval 7597'							
Top Log Interval SURFACE							
Open Hole Size 8.5"							
Type Fluid WATER							
Density / Viscosity 1							
Max. Recorded Temp. 217							
Estimated Cement Top 65'							
Time Well Ready NA							
Time Logger on Bottom NA							
Equipment Number W-62							
Location WINDSOR, CO							
Recorded By A.STEERMAN							
Witnessed By M.SHAW							
Borehole Record		Tubing Record					
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record	Size			Wgt/Ft		Top	Bottom
Surface String							
Prot. String							
Production String							
Liner							

<<< 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.

Comments

RAN CEMENT BOND LOG TO VERIFY CEMENT  
THANK YOU FOR USING CUTTERS WIRELINE

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			Probe	2.88	2.75	20.00

Tool Name	Start Depth (ft)	End Depth (ft)	Tool Length (ft)	Tool Weight (lb)	Tool O.D. (in)
WVF3FT	12.31	12.31			
WVFCAL	12.31	12.31			
WVFS1	12.31	12.31			
WVFS2	12.31	12.31			
WVFS3	12.31	12.31			
WVFS4	12.31	12.31			
WVFS5	12.31	12.31			
WVFS6	12.31	12.31			
WVFS7	12.31	12.31			
WVFS8	12.31	12.31			
WVF5FT	11.31	12.31	1.00		
CCL	4.75	4.75			
GR	2.25	2.25			
TEMP	0.08	0.08			

Tool Name	Start Depth (ft)	End Depth (ft)	Tool Length (ft)	Tool Weight (lb)	Tool O.D. (in)
Probe 2 3/4 Centralizer			8.75	2.75	90.00
RBT-Probe (060112_55) Probe 2.75" Radii Bond Tool			2.88	2.75	20.00
Probe 2 3/4 Centralizer			4.00	2.75	30.00
GR-Probe (060109) Probe 2.75" 4 Channel Pulse			1.25	1.38	30.00
TEMP-1.375TEMP (060110) Temperature Tool					

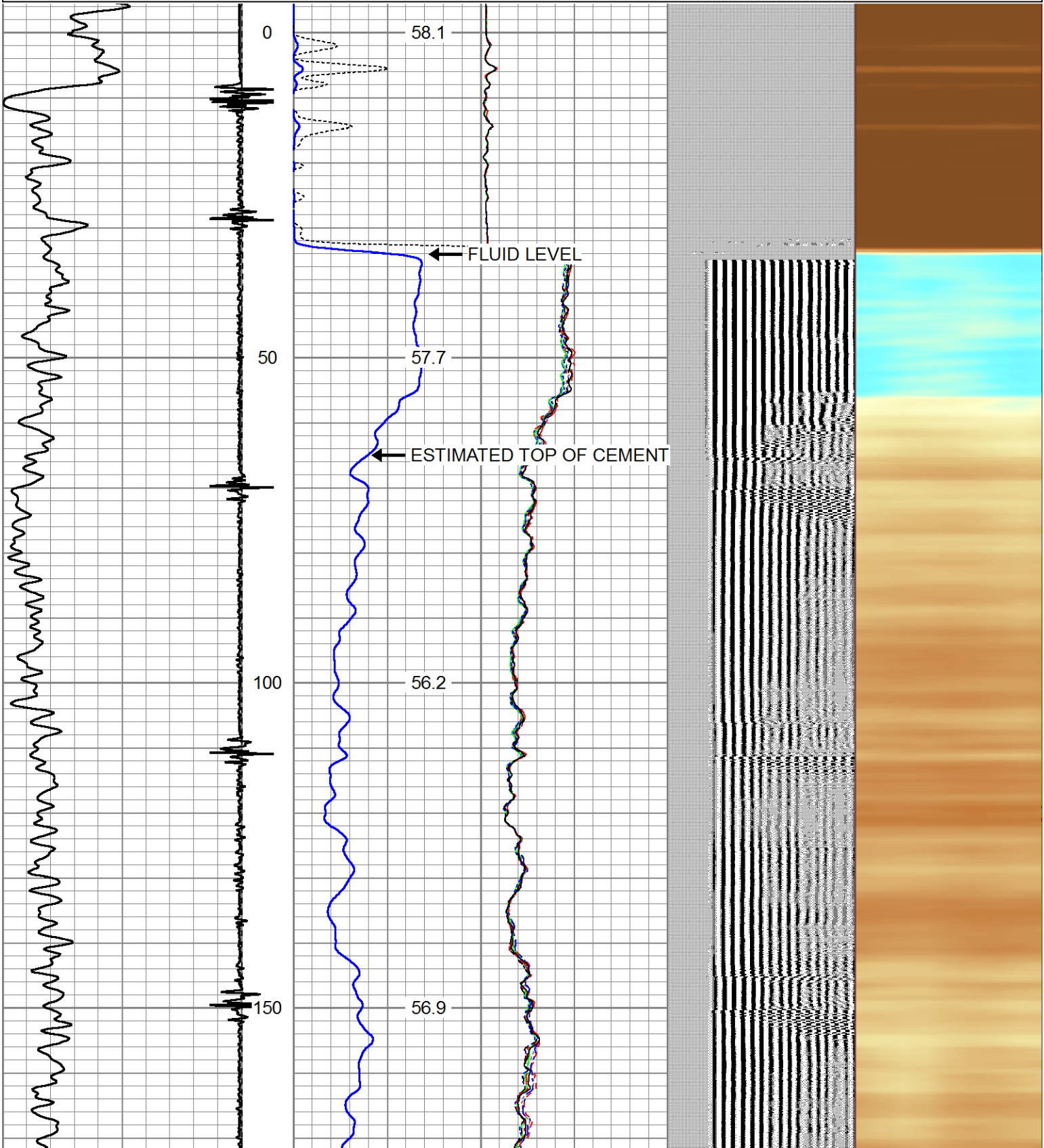
Dataset: litzenger 4.db: field/well/run1/pass6

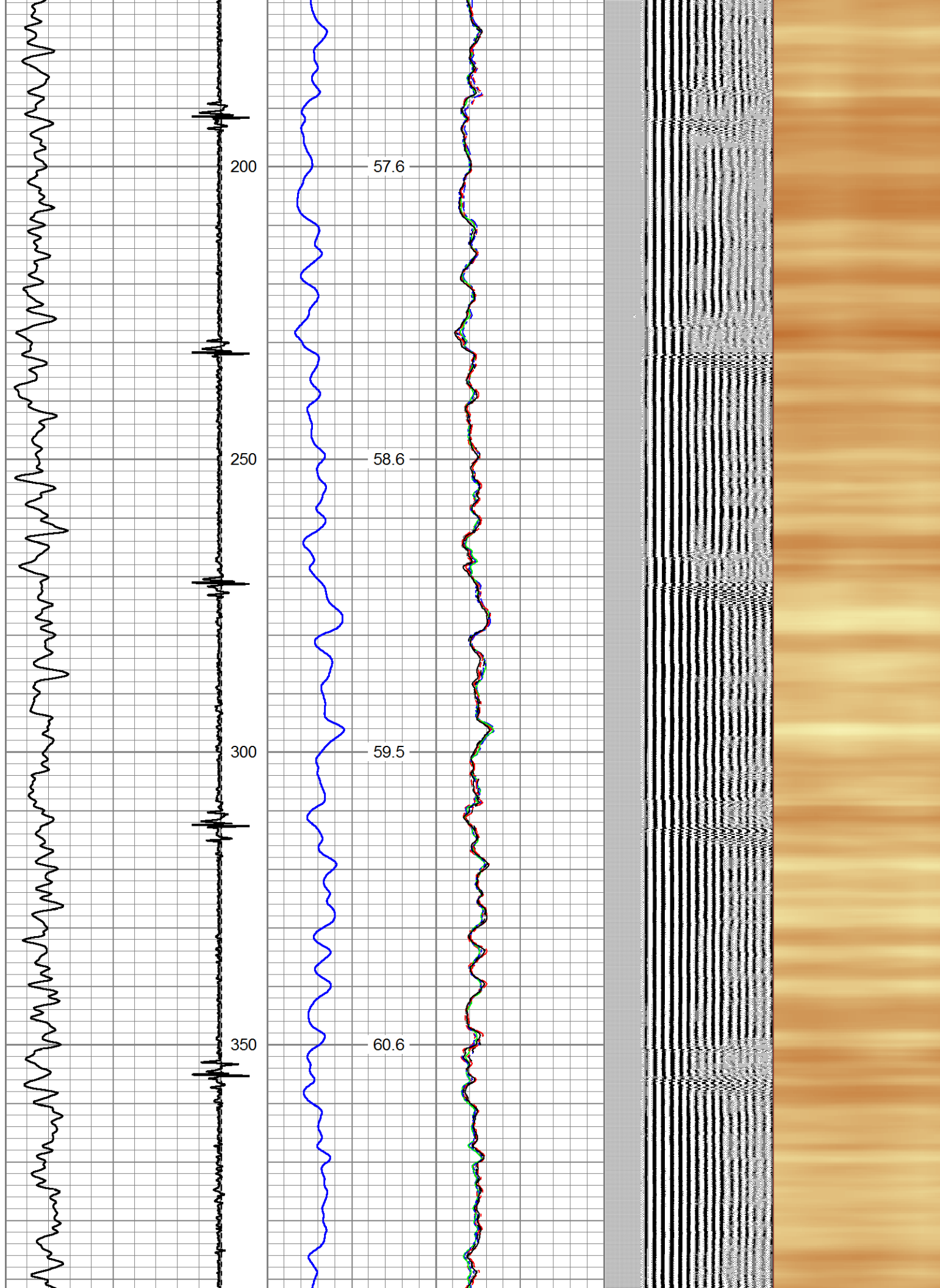
Total Length: 19.75 ft

Total Weight: 190.00 lb

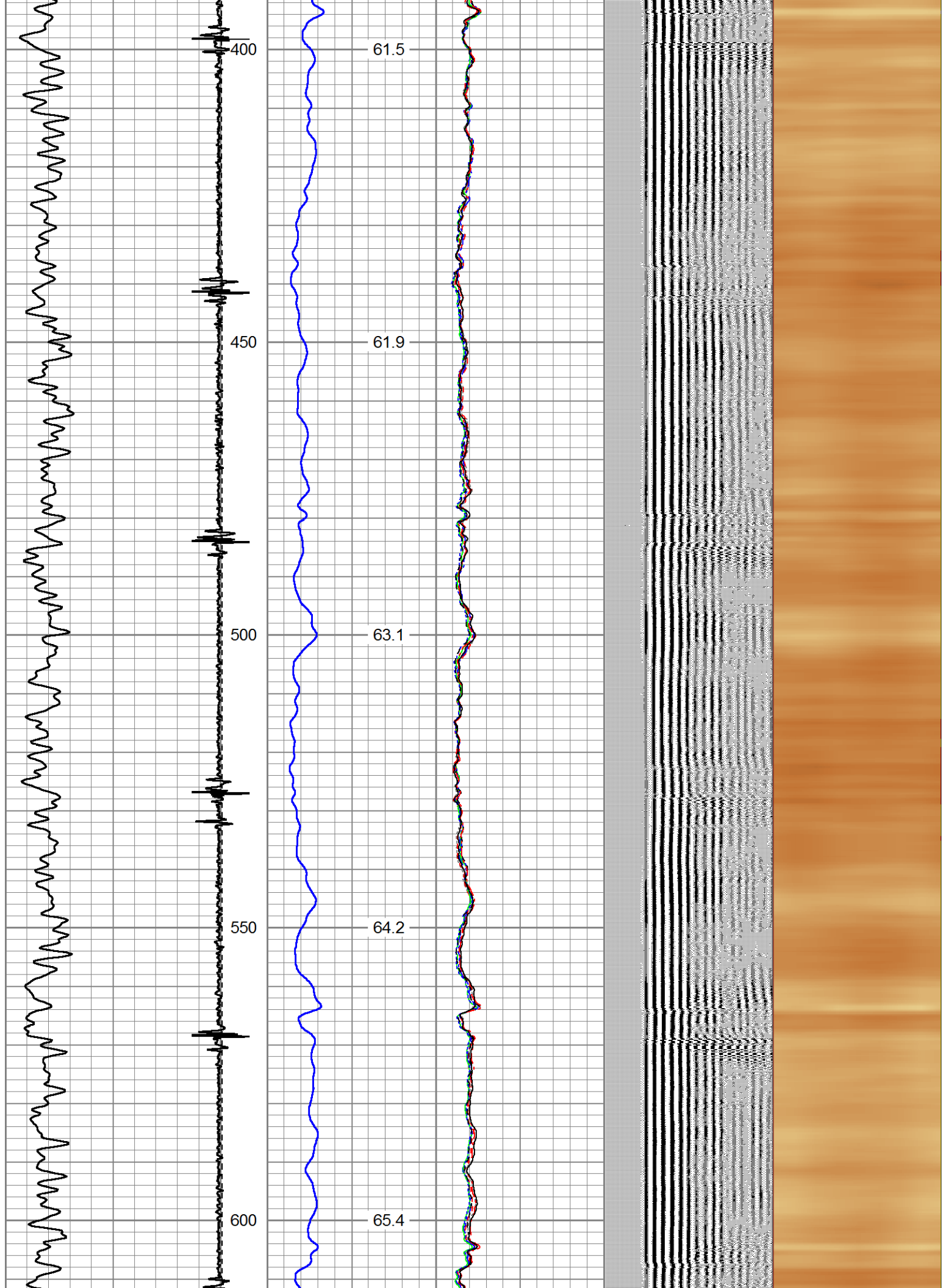
O.D. 2.75 in

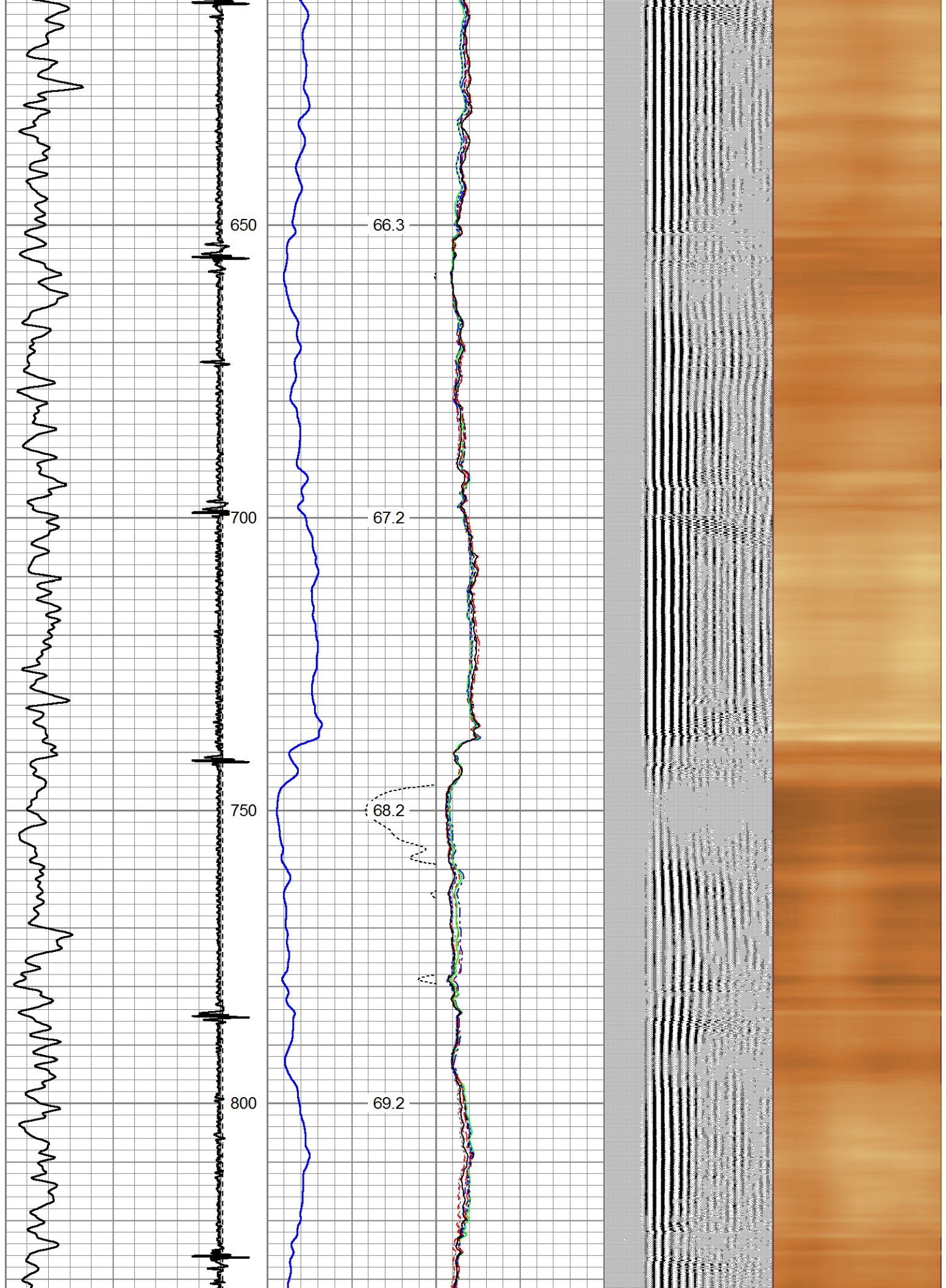
Charted by:		Depth in Feet scaled 1.240											
325	TT (usec)	225	LTEN	0	Amplitude (mV)	100	-5	AMPS2	150	200	VDL	1200	Cement Map
0	GR (GAPI)	250	(lb)	0	Amplified Amplitude		-5	AMPS3	150				
				0	(mV)	10	-5	AMPS4	150				
				TEMP			-5	AMPS5	150				
				(degF)			-5	AMPS6	150				
							-5	AMPS7	150				
							-5	AMPS8	150				
							-5	AMPS1	150				



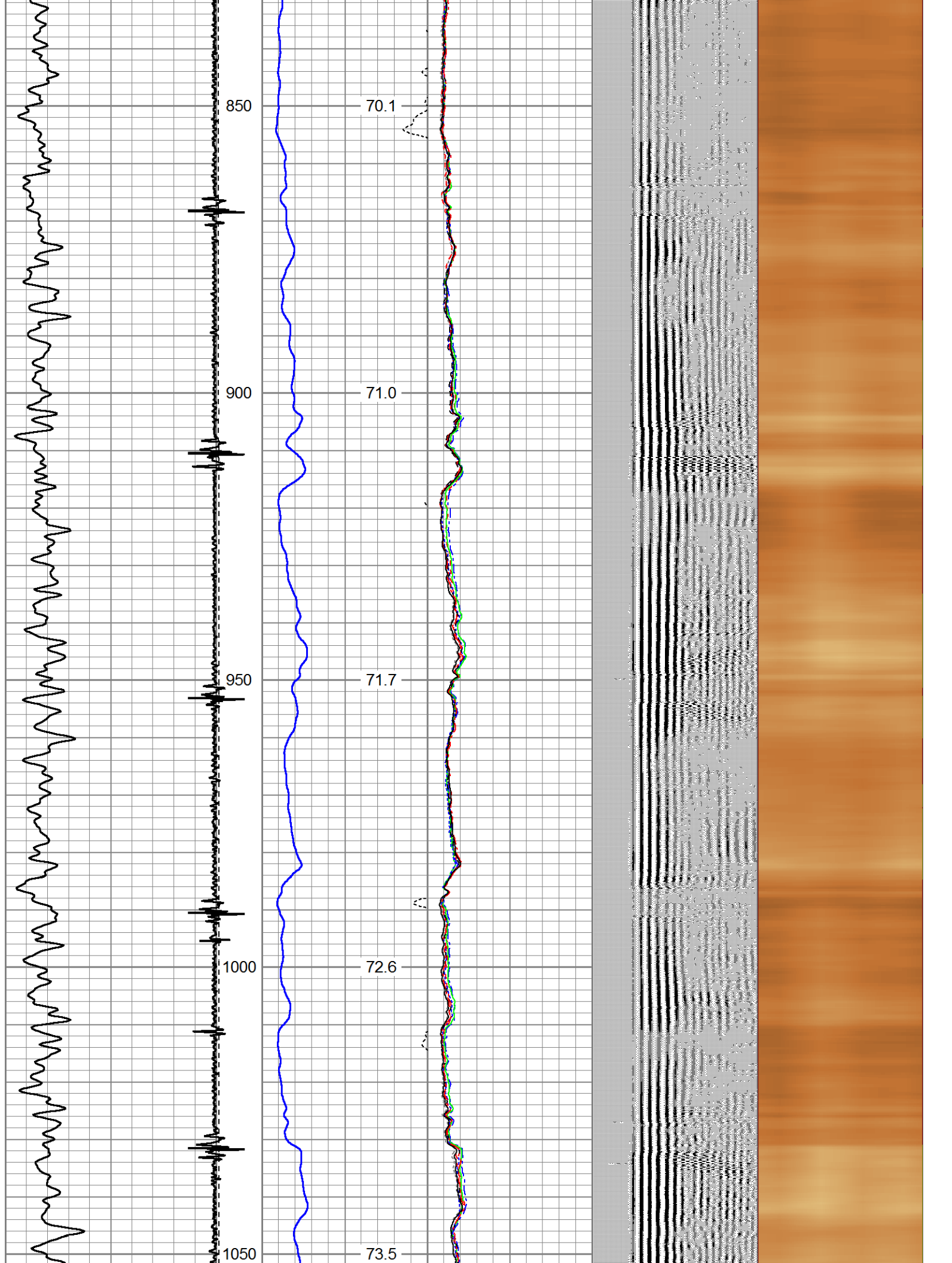


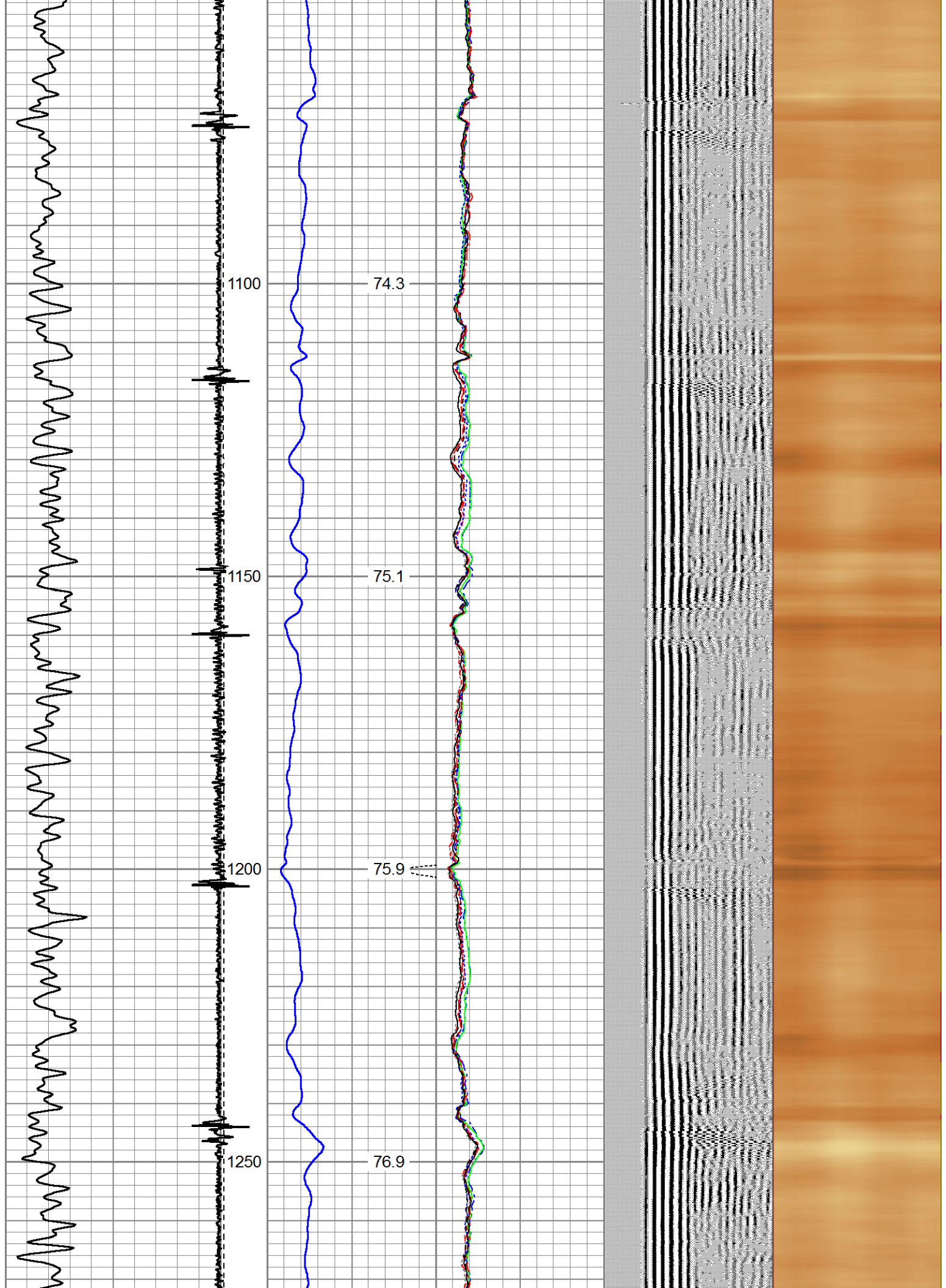




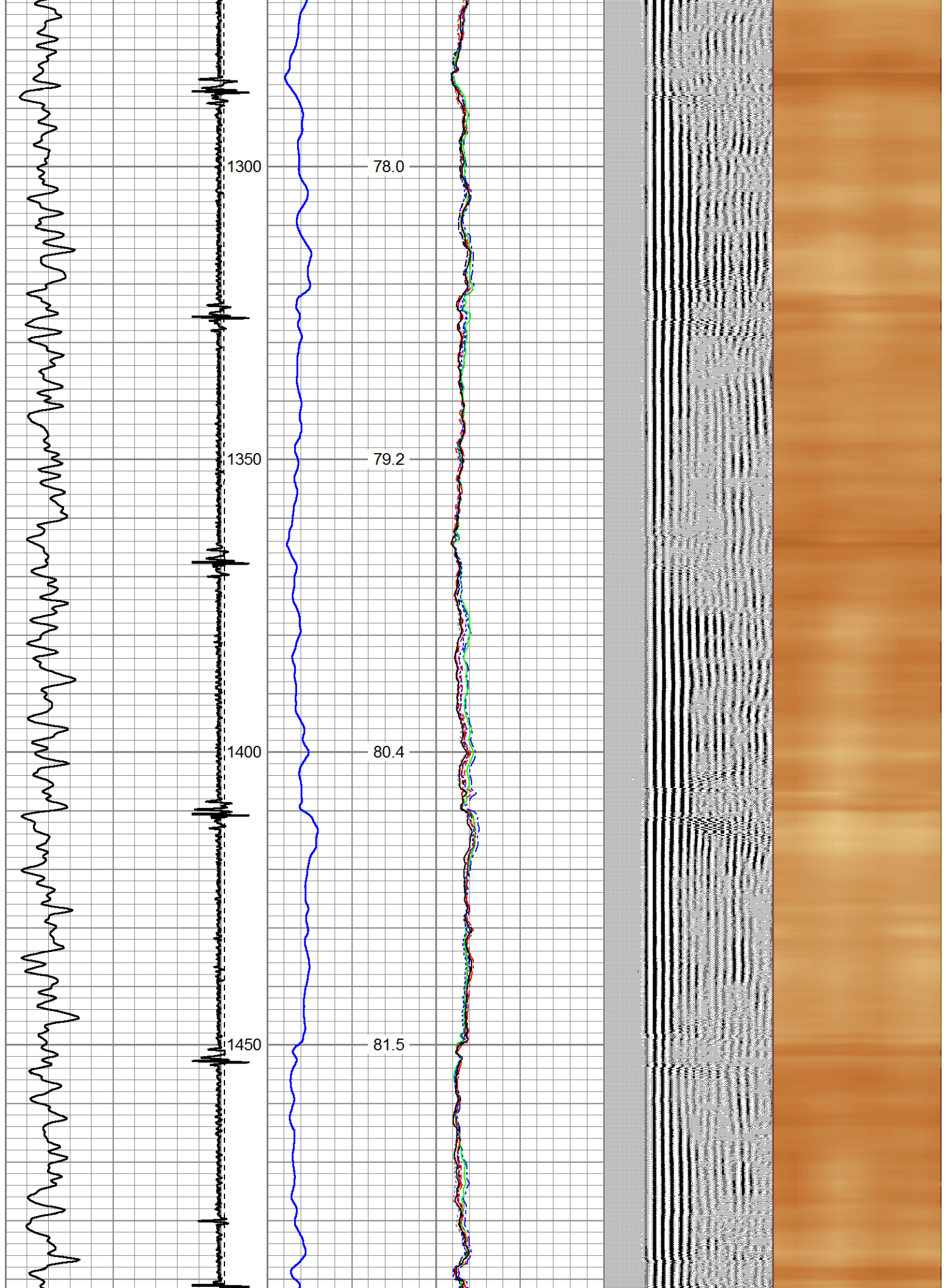


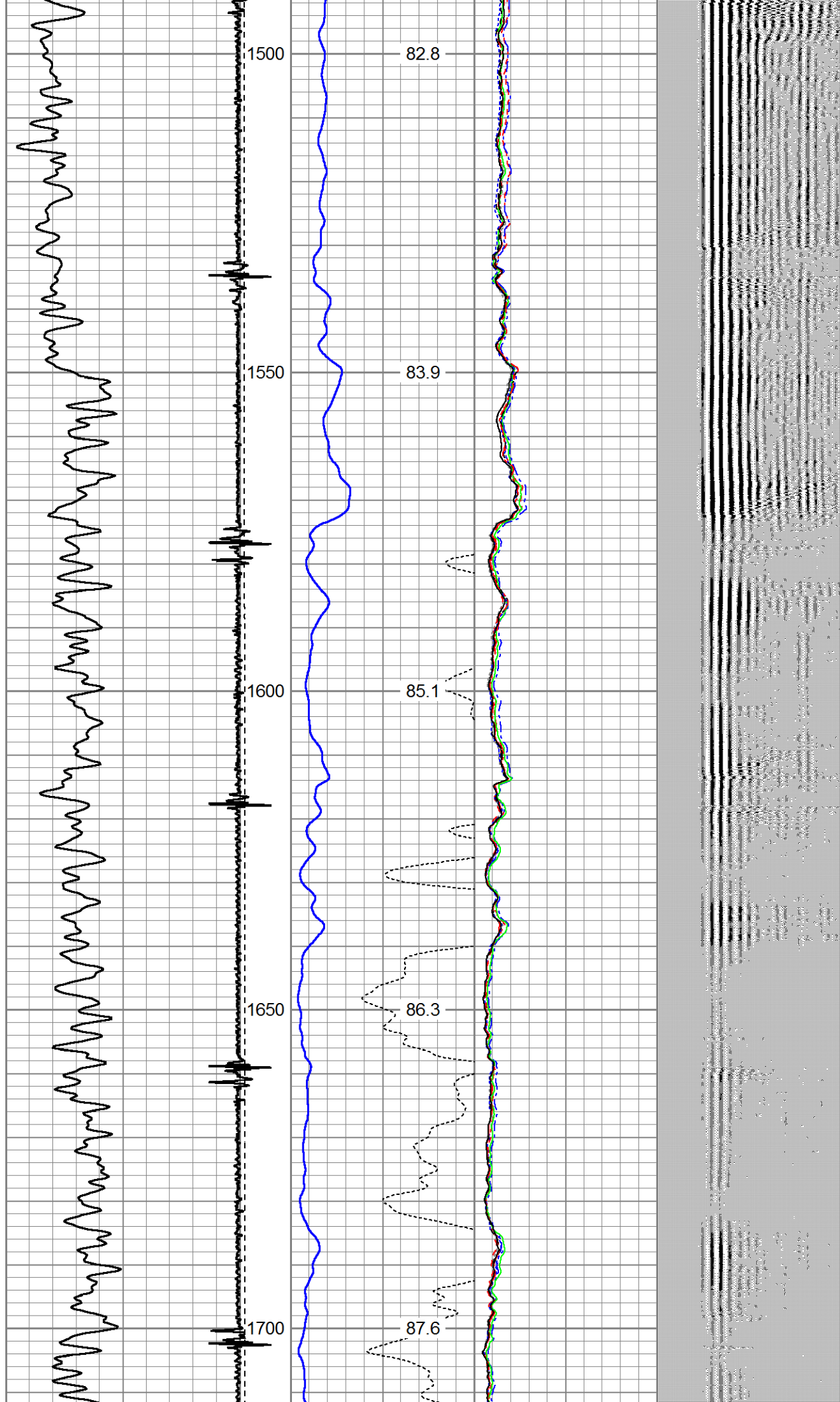


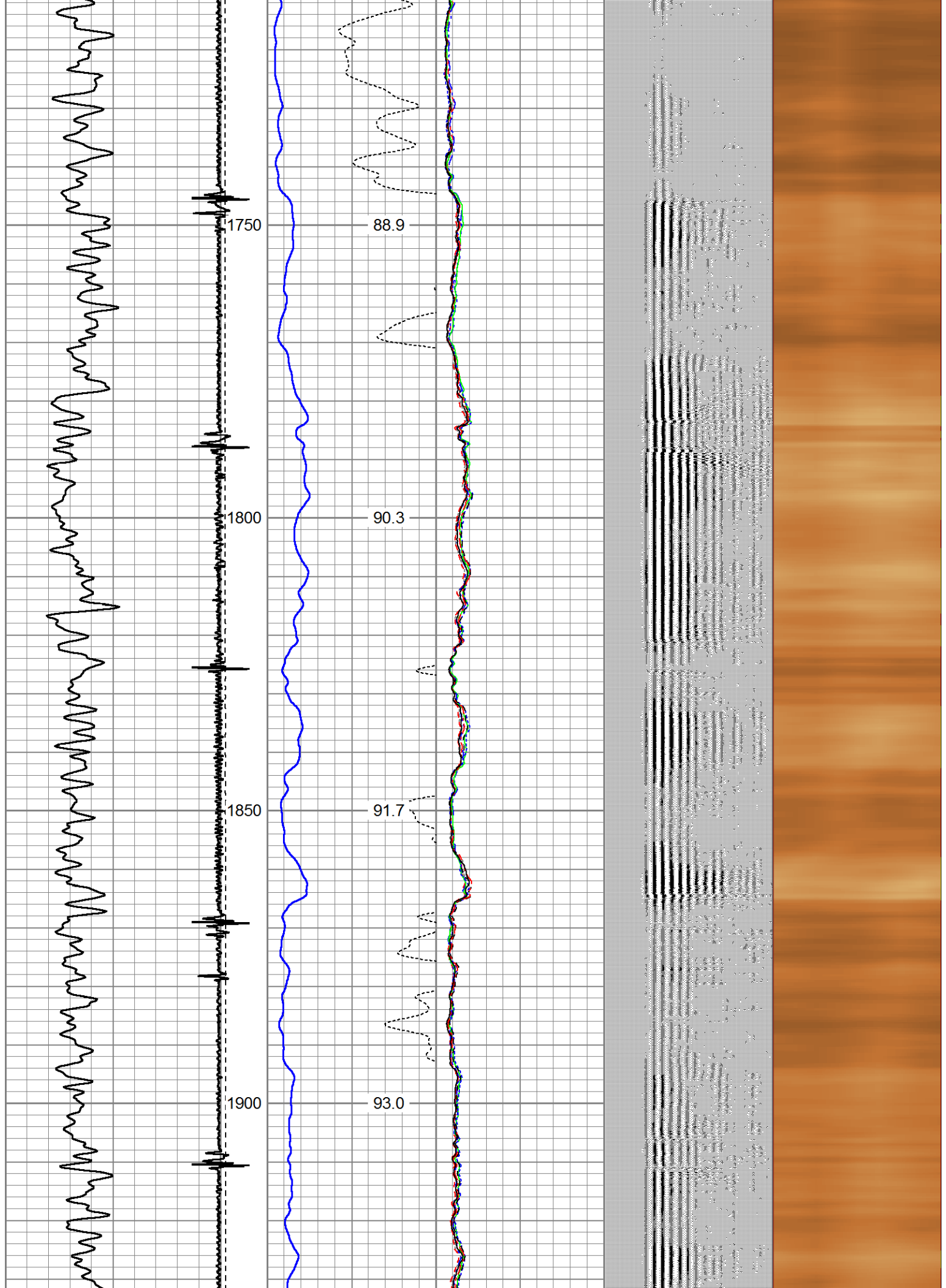




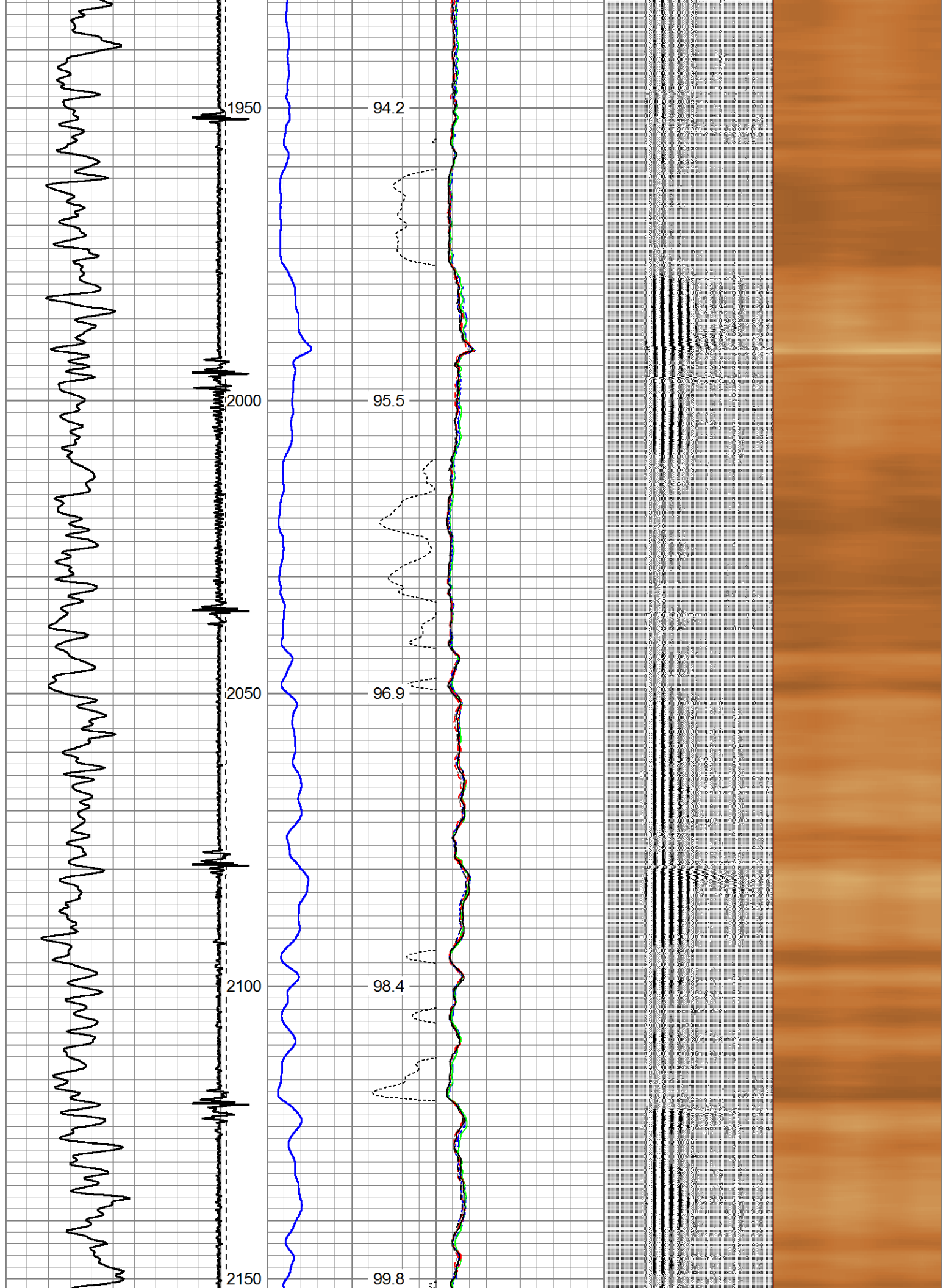




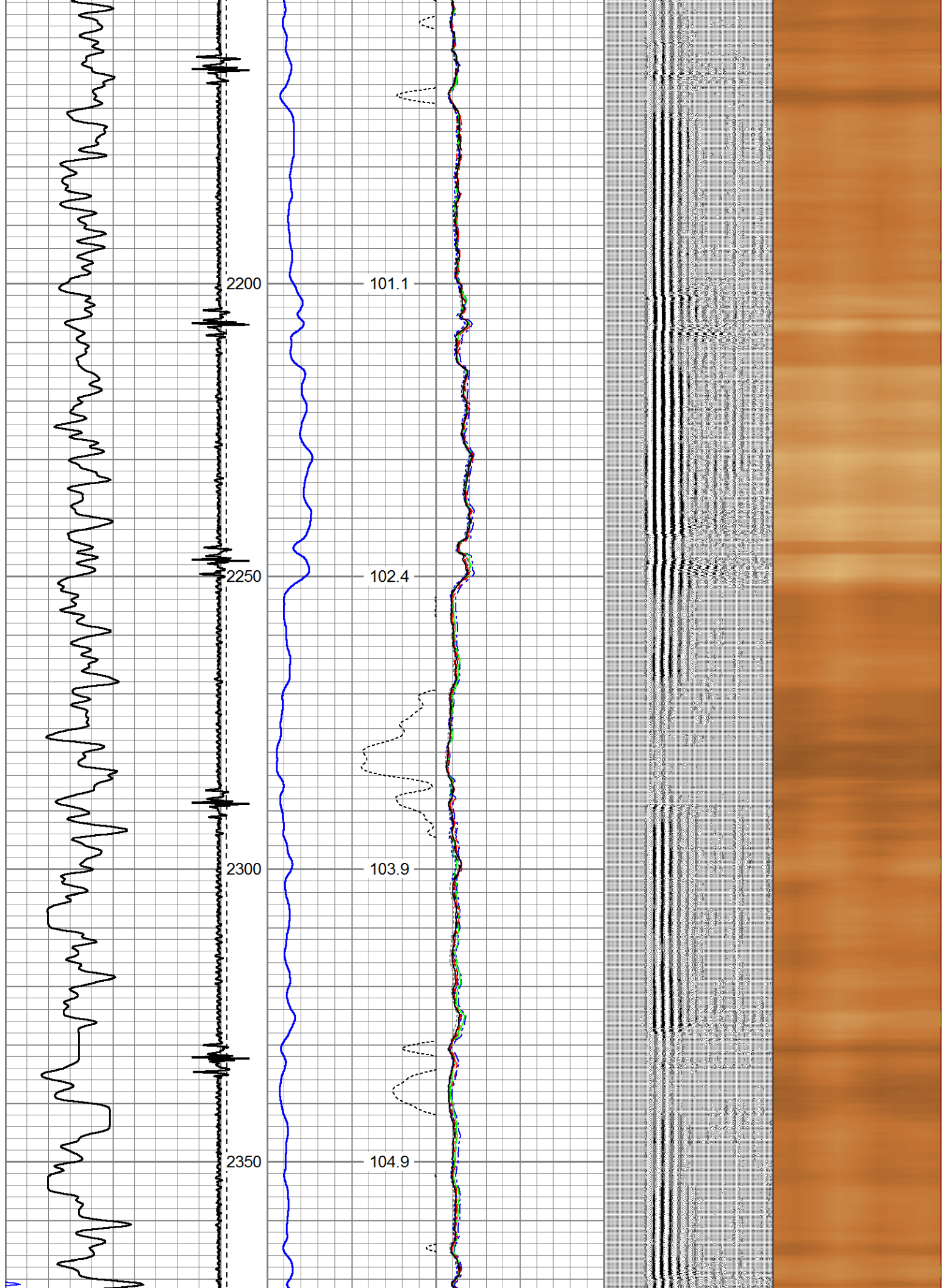


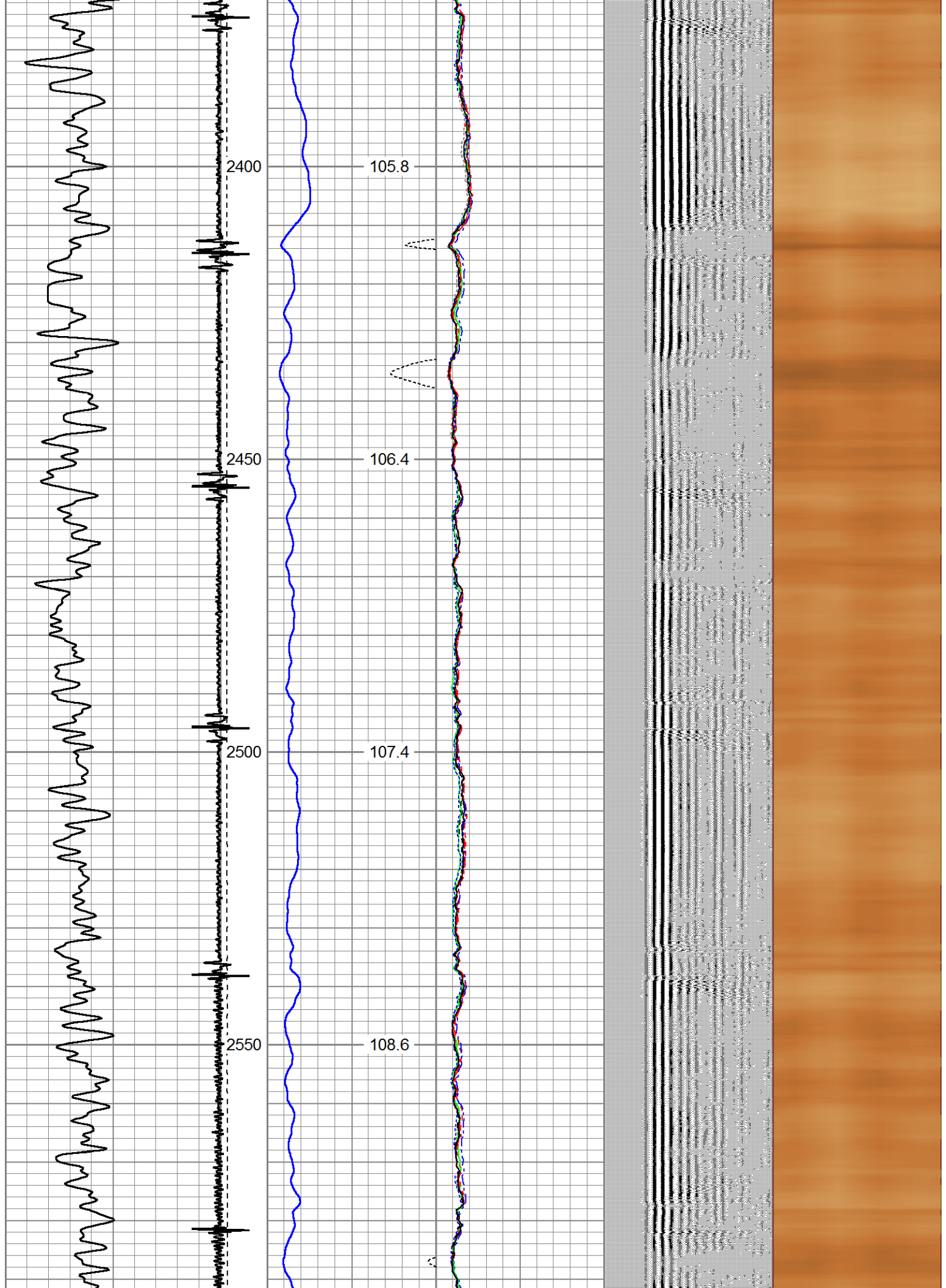


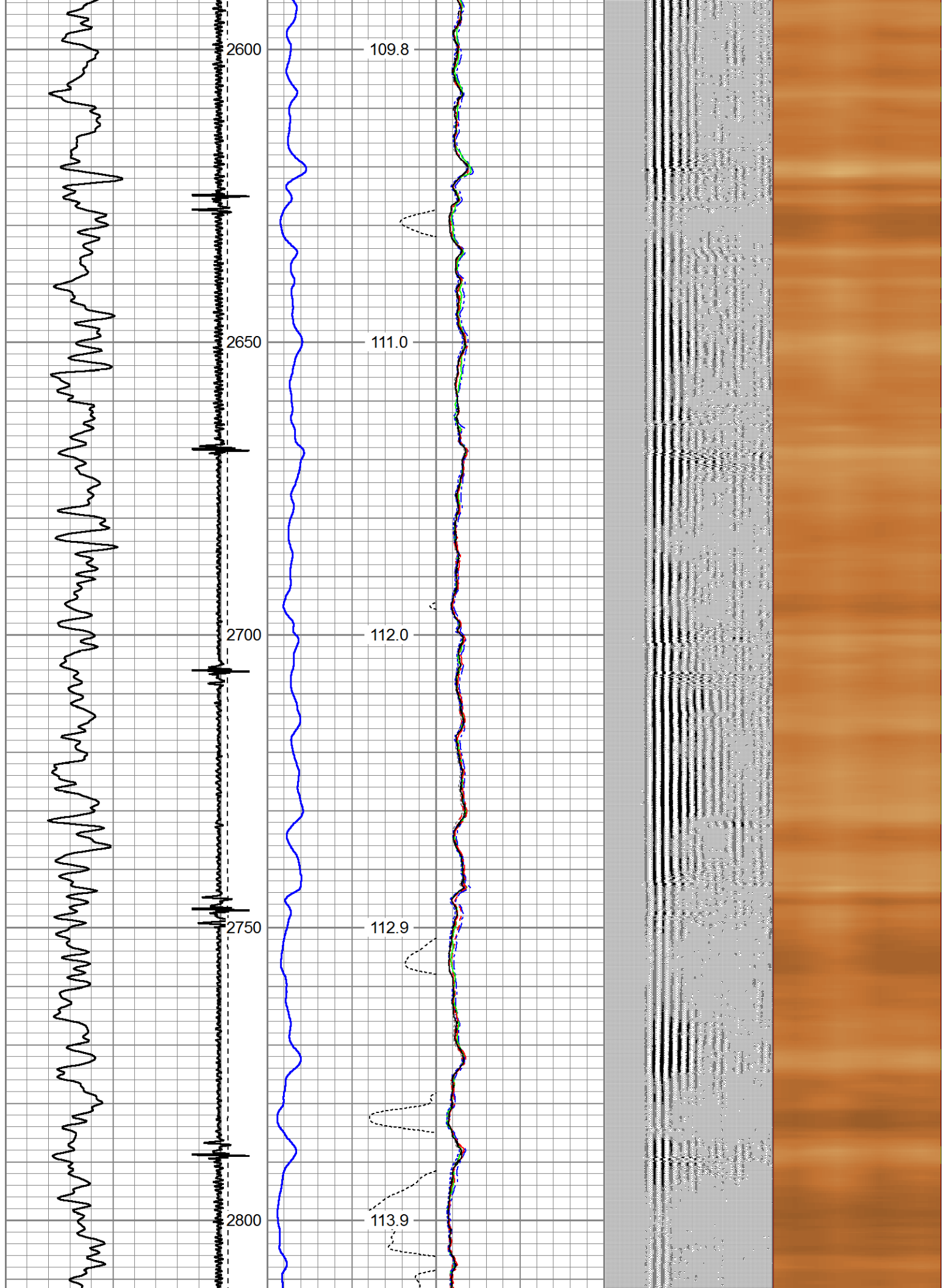




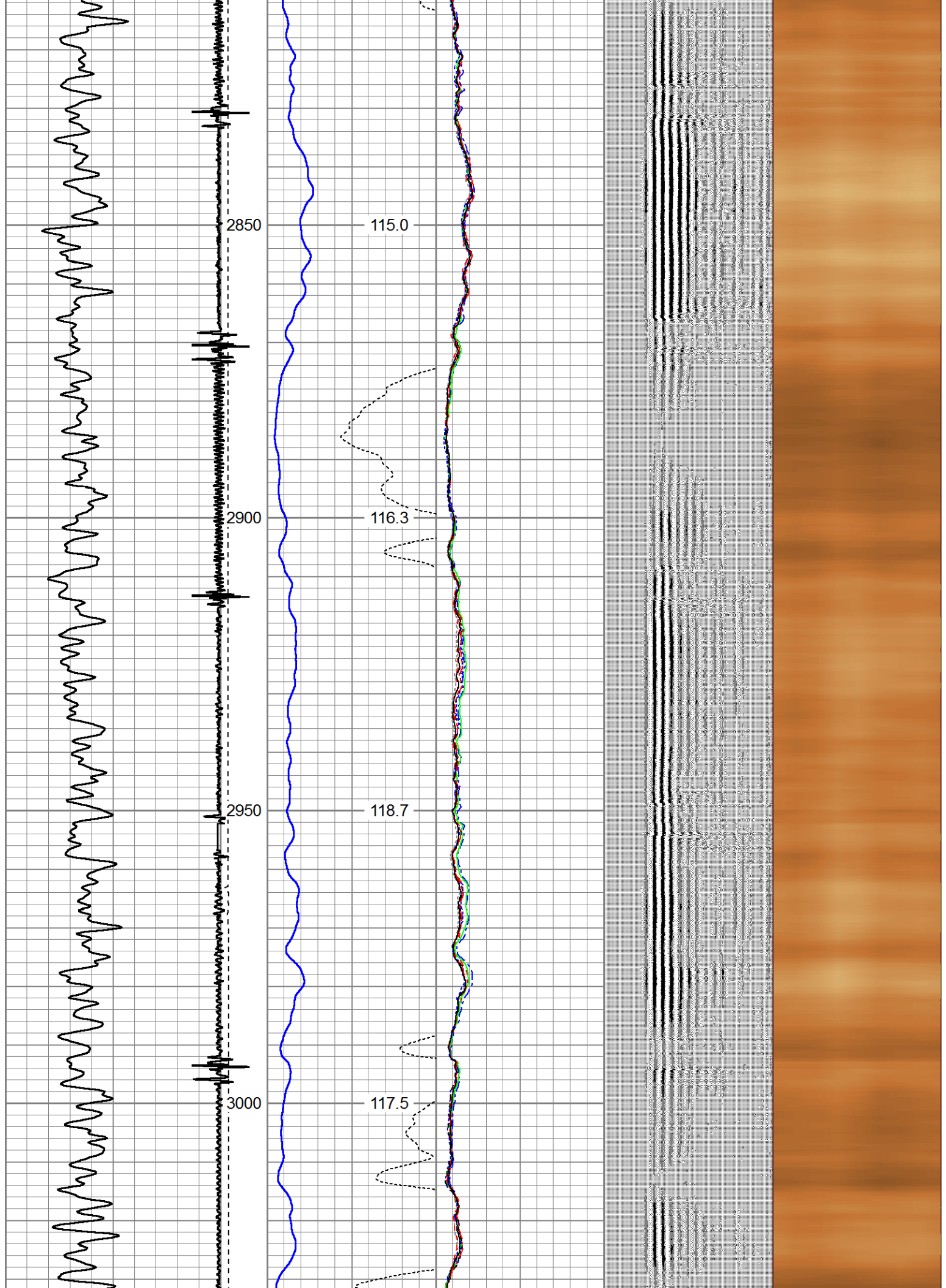




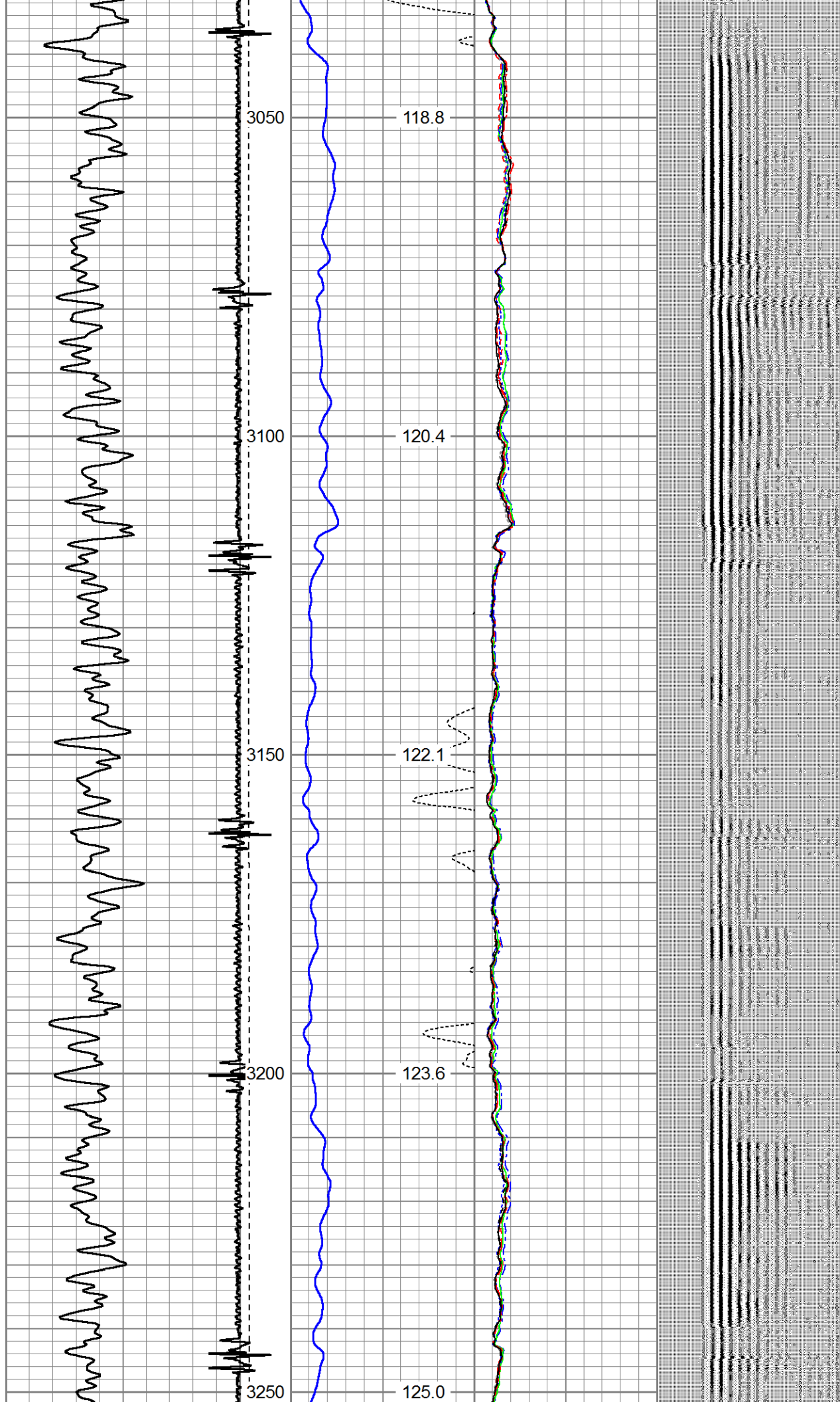


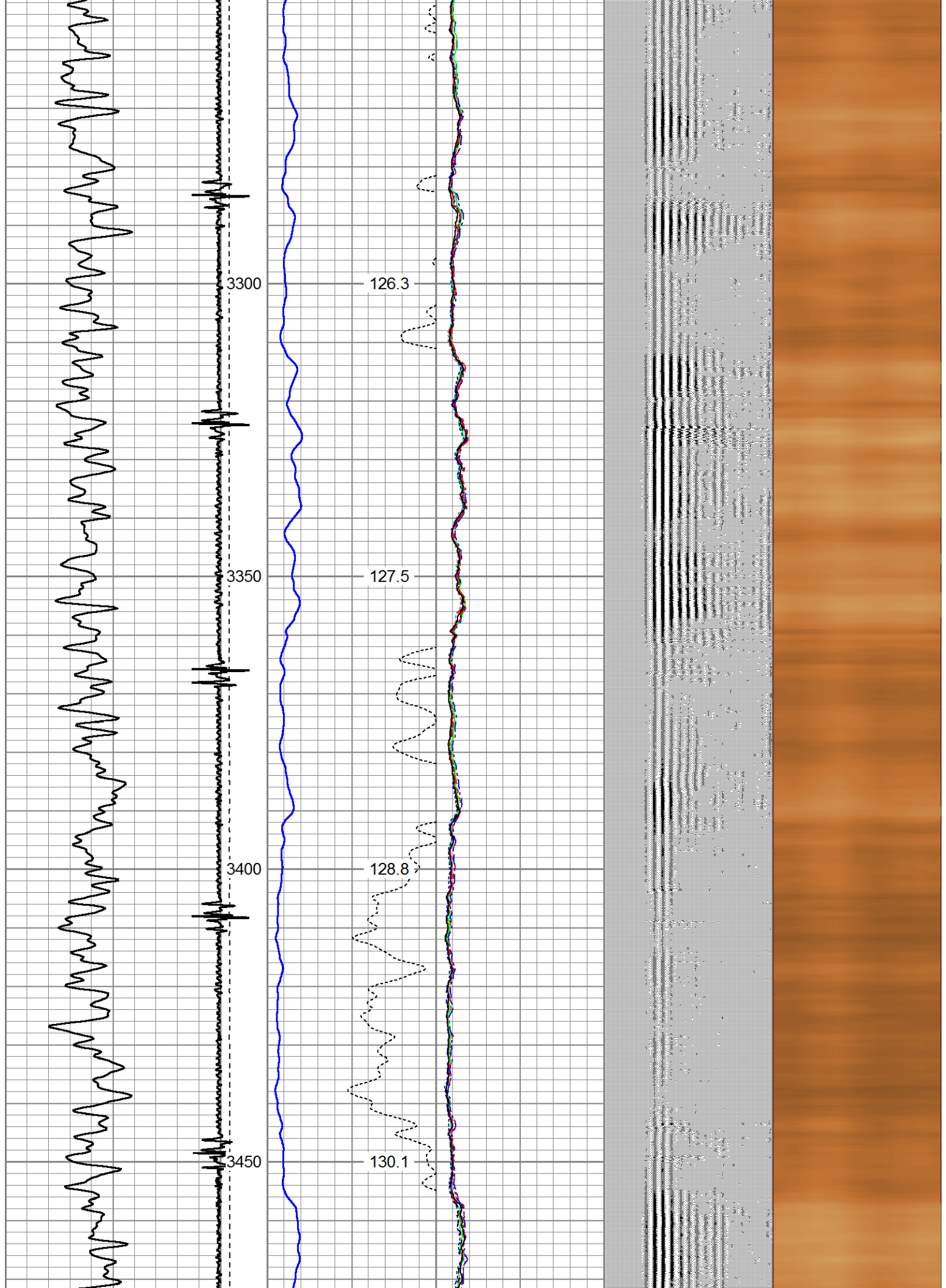


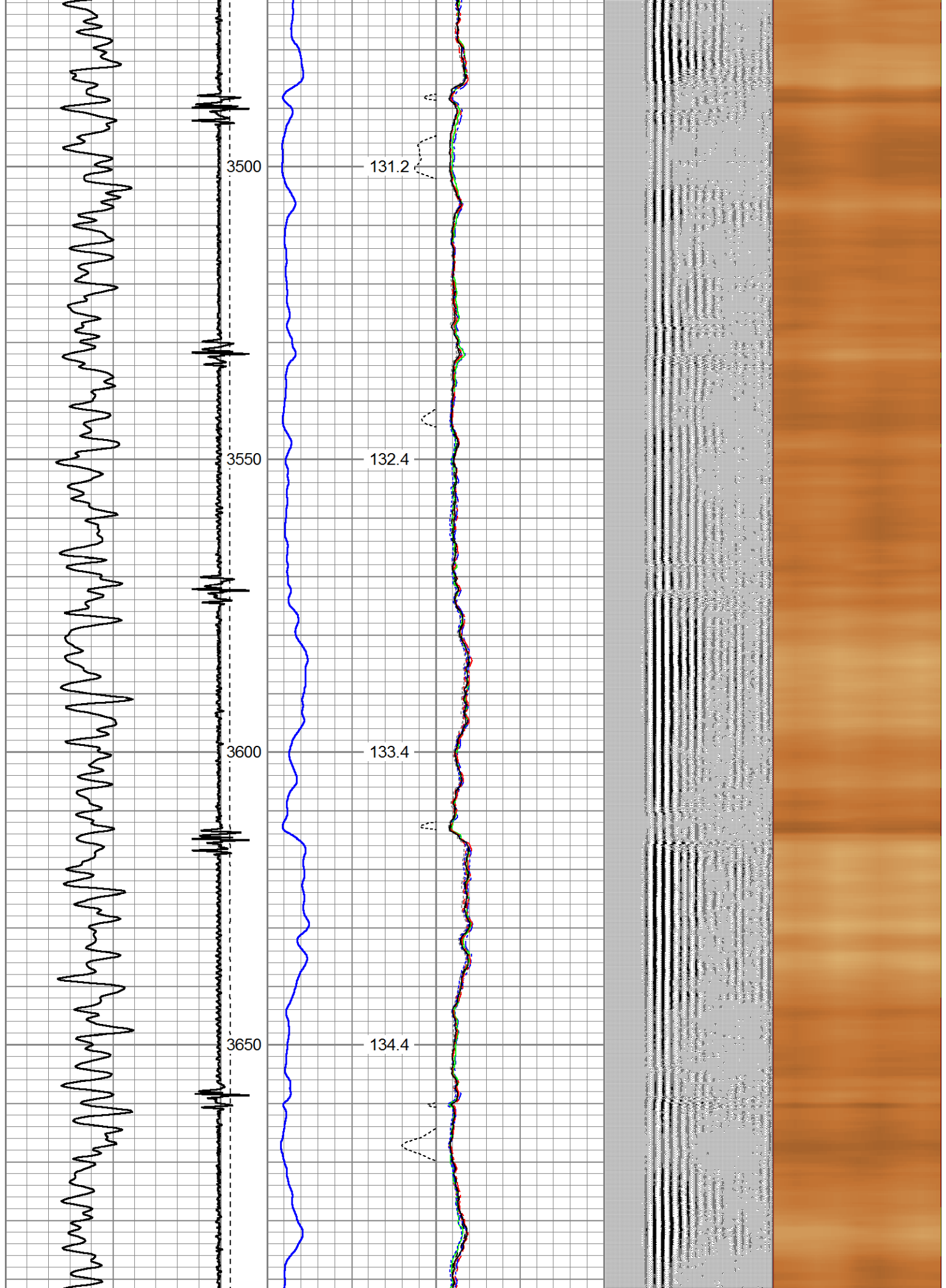




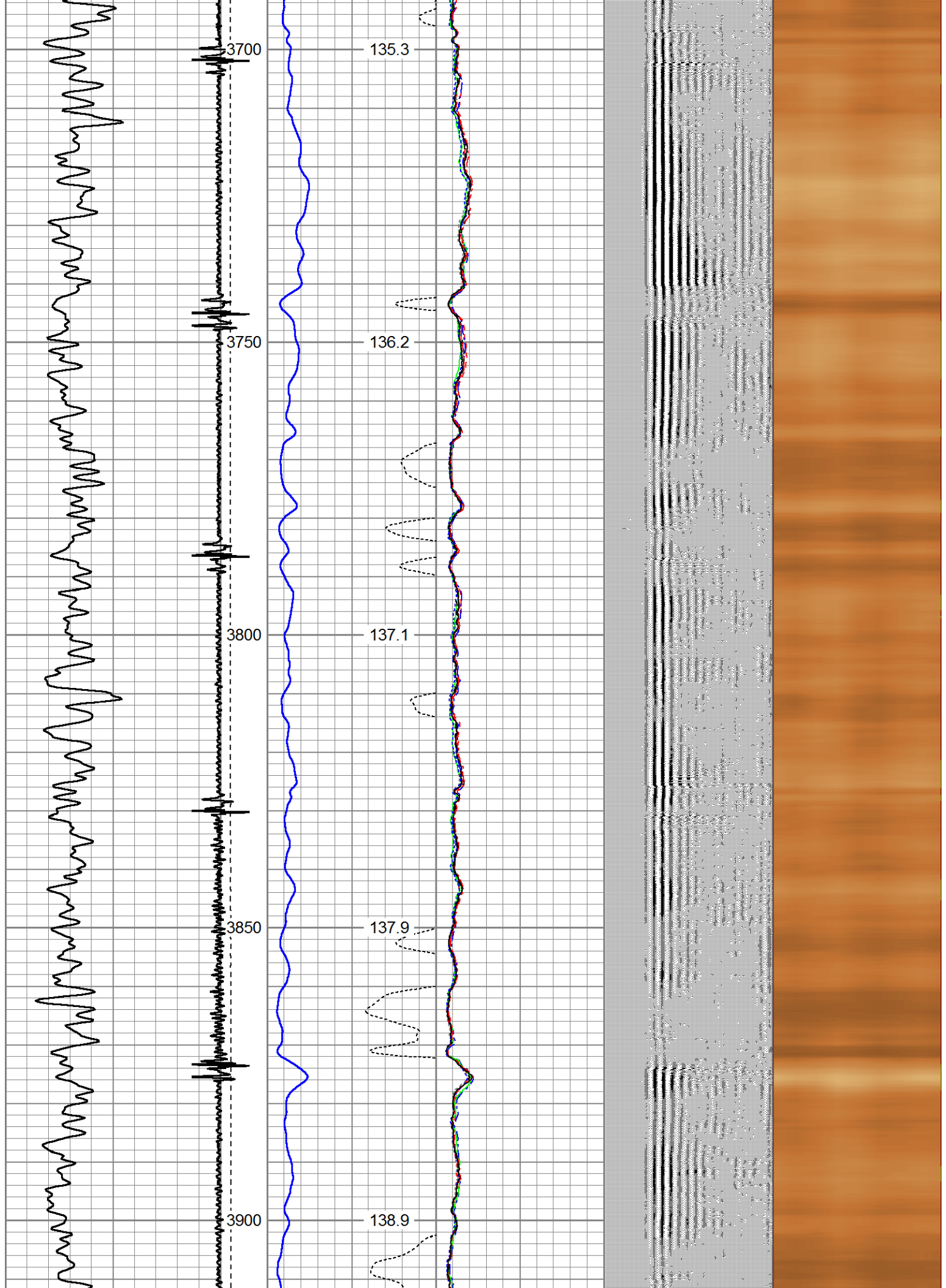




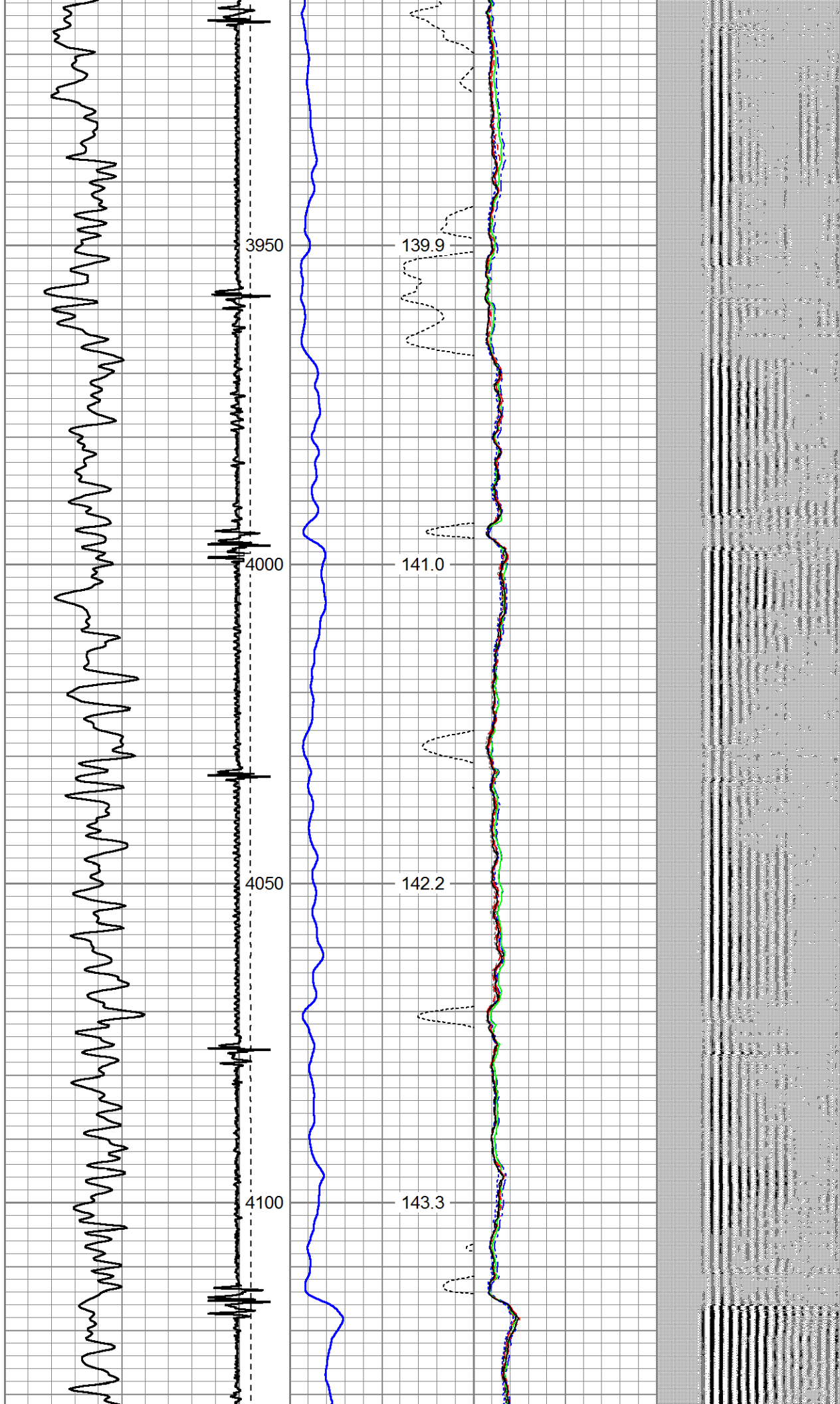


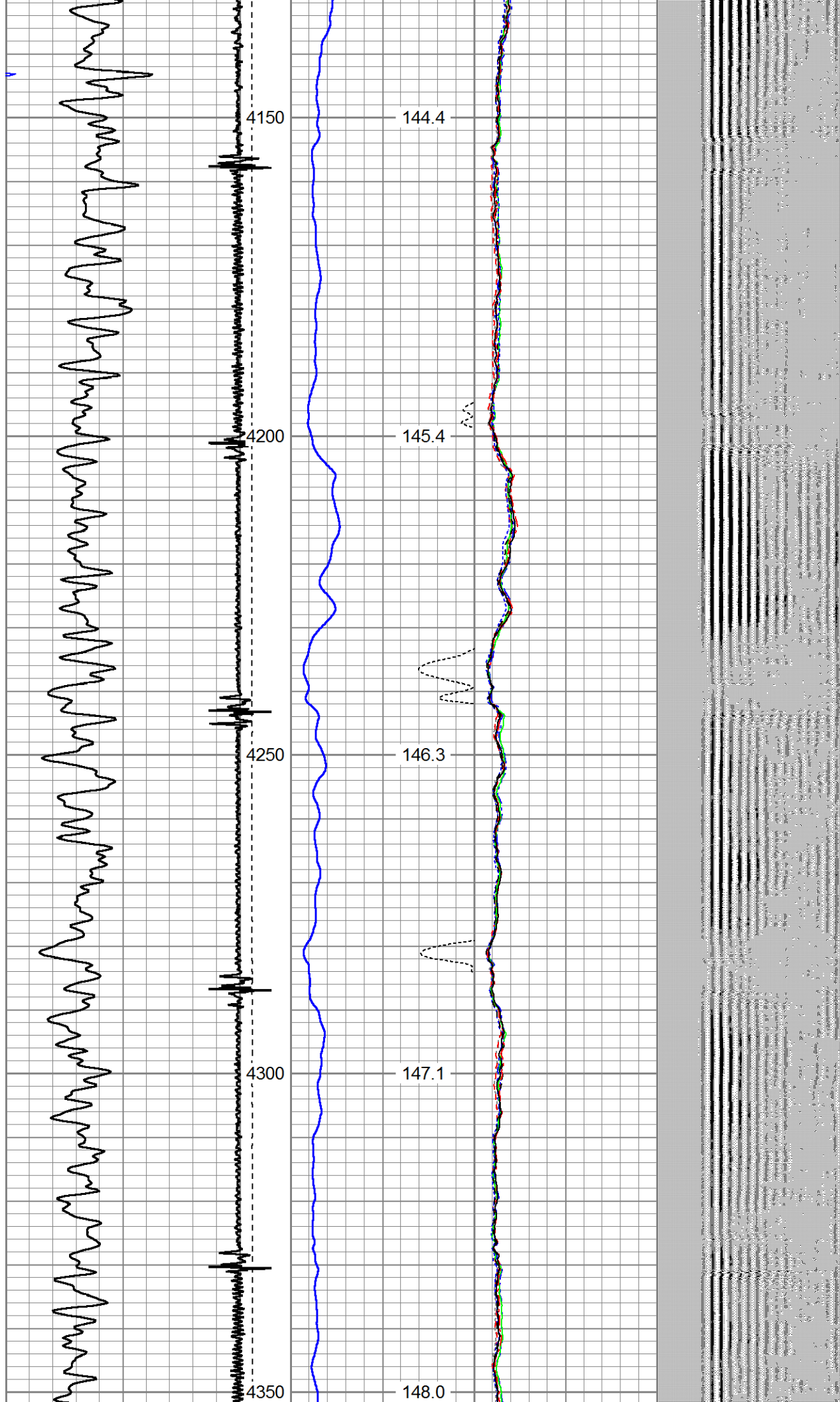


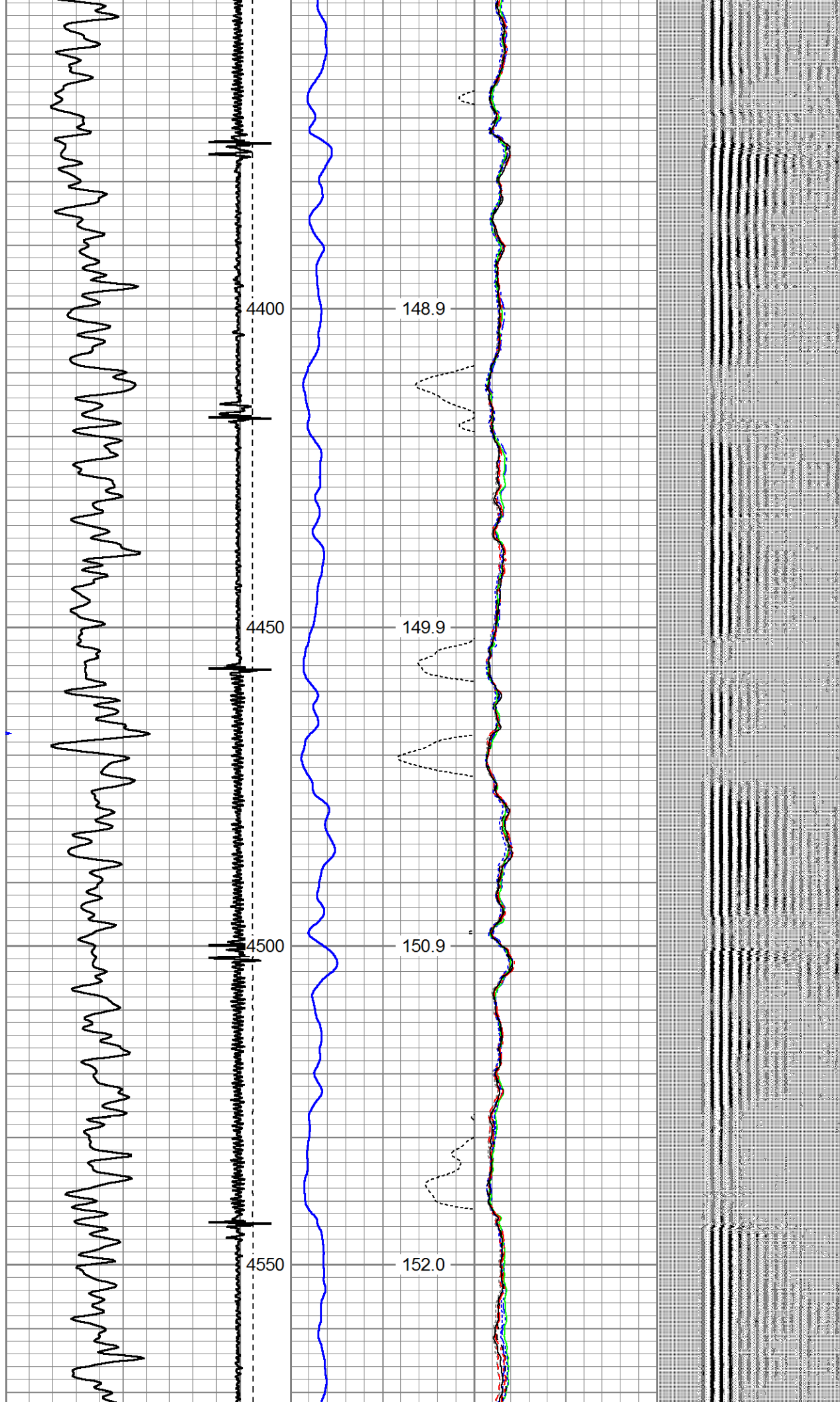




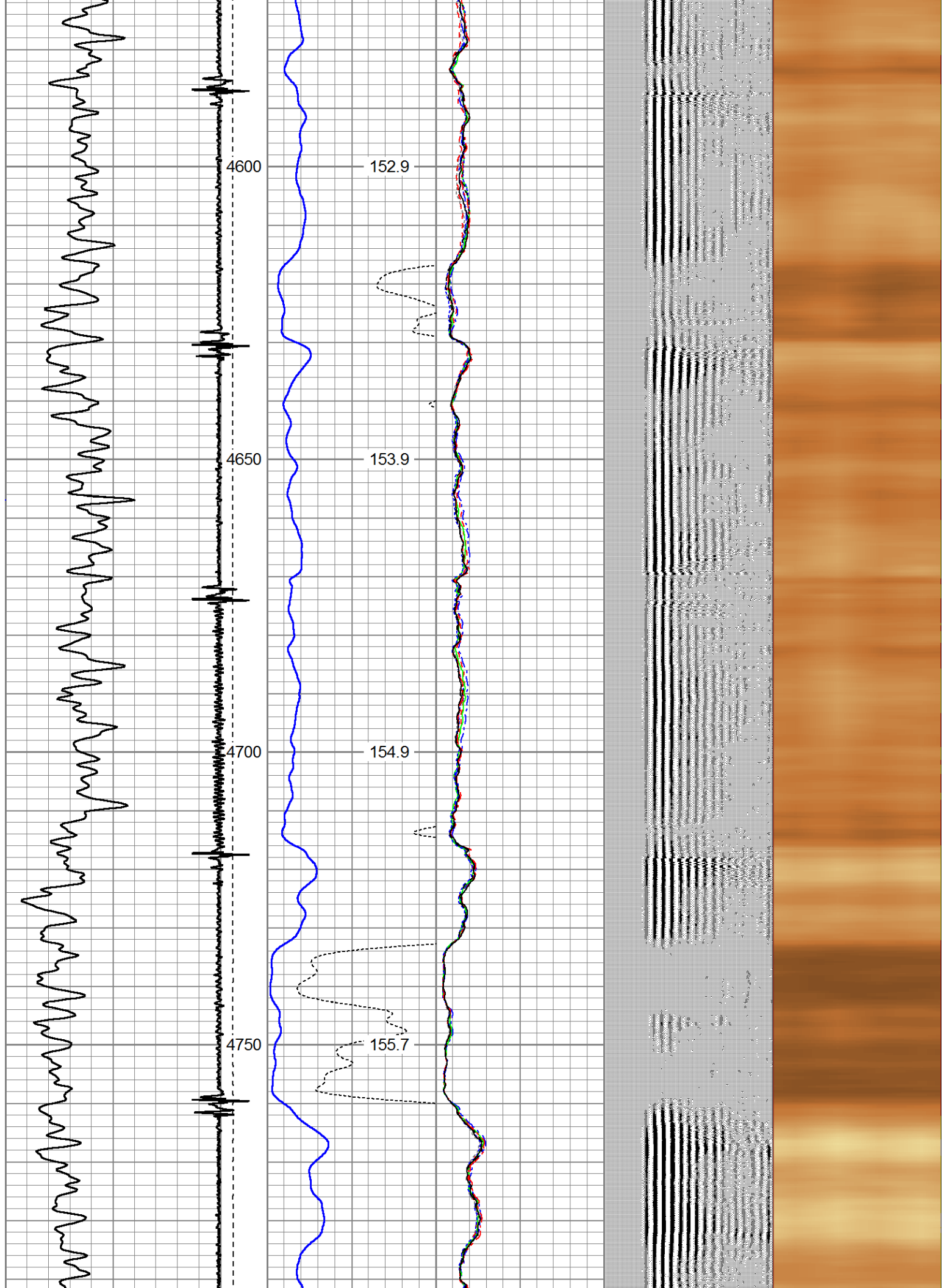


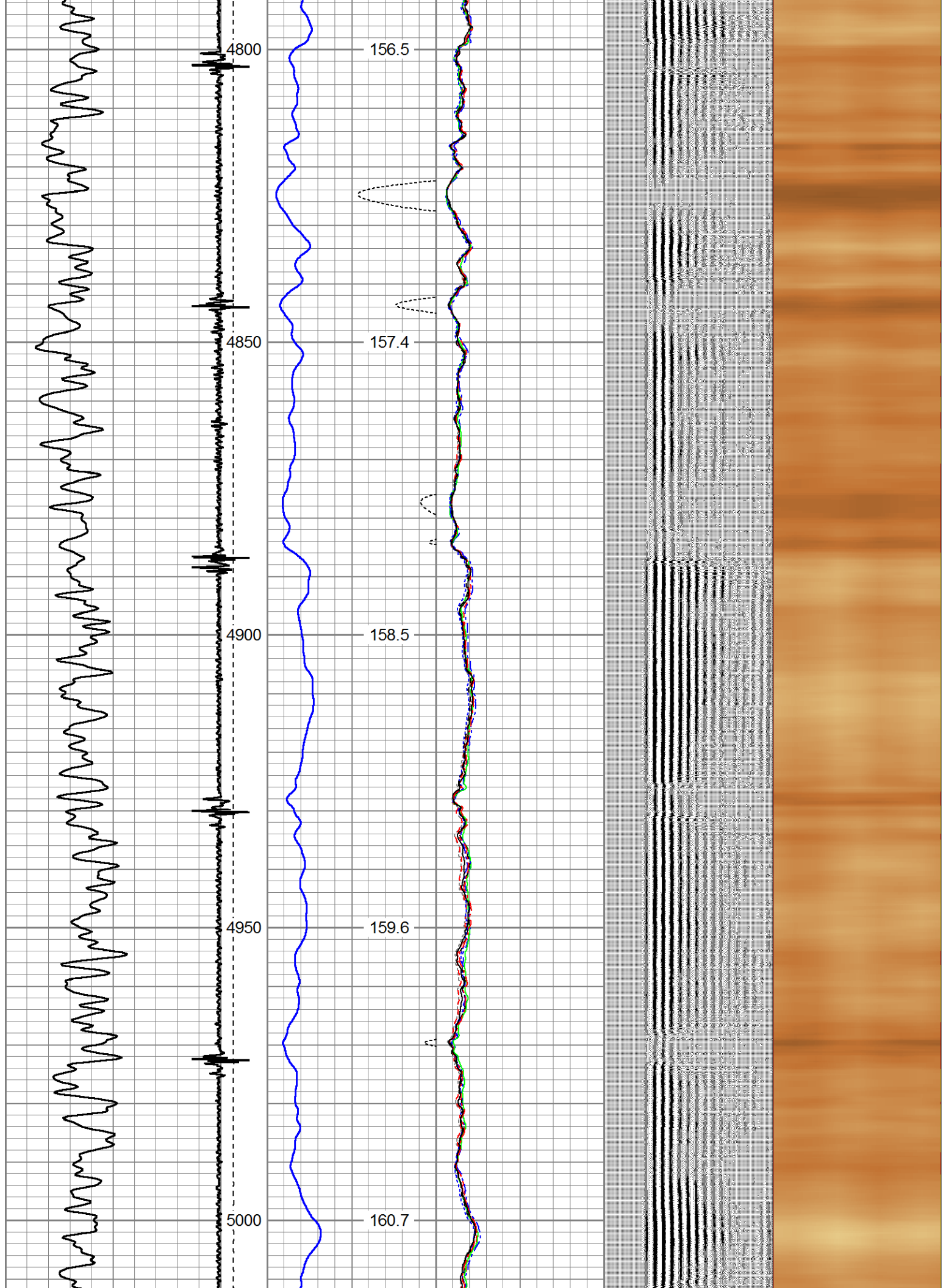


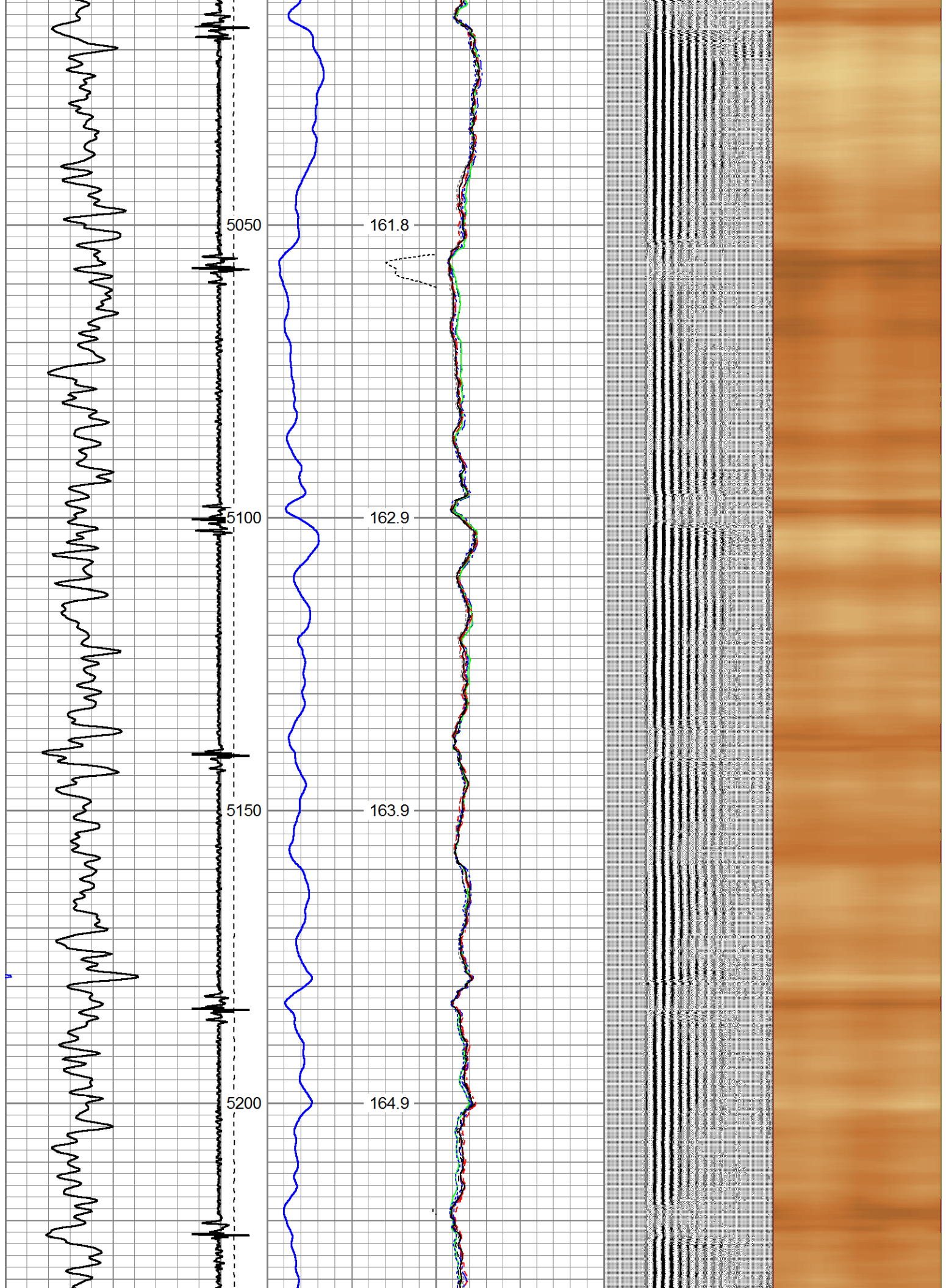




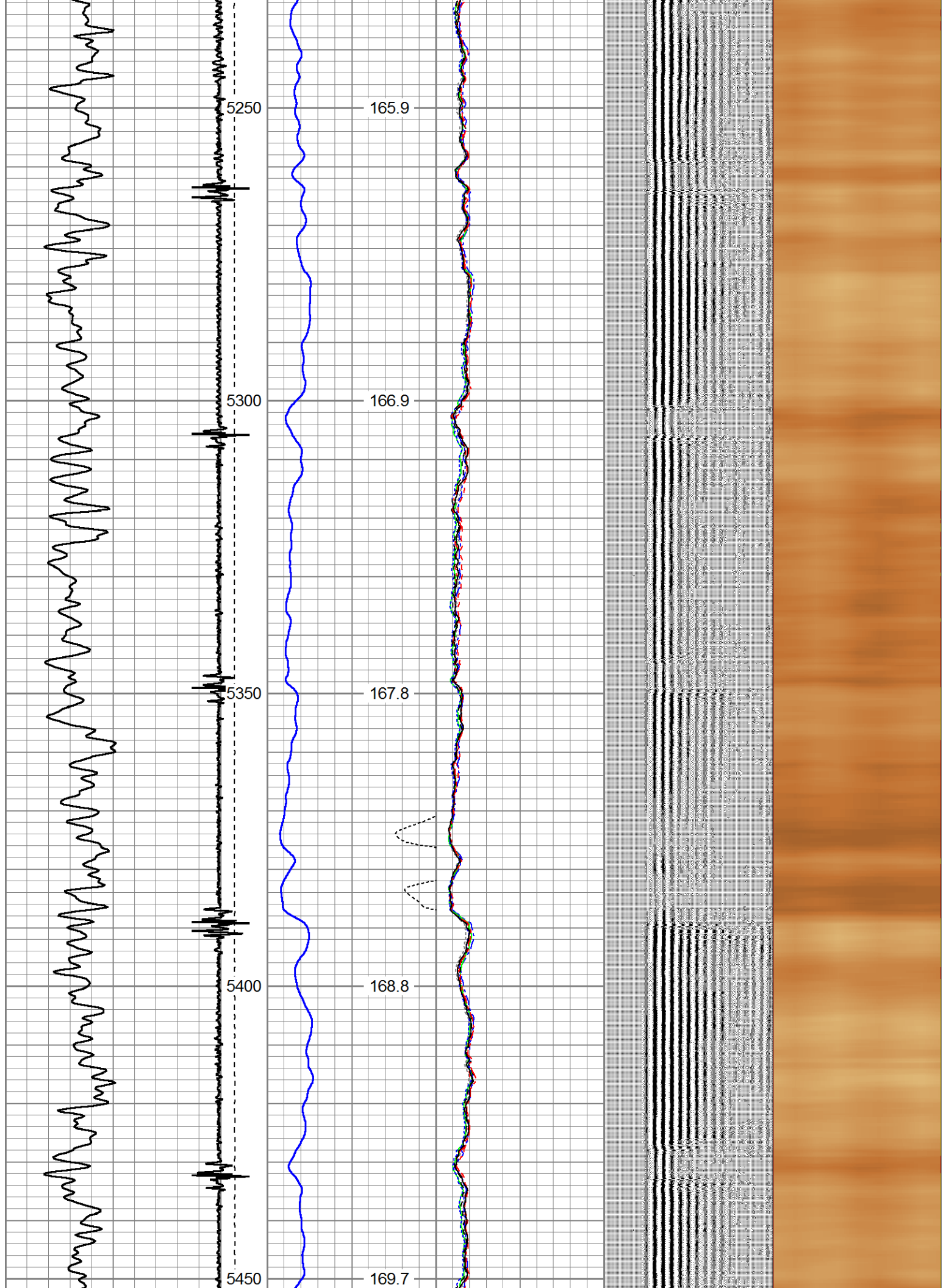


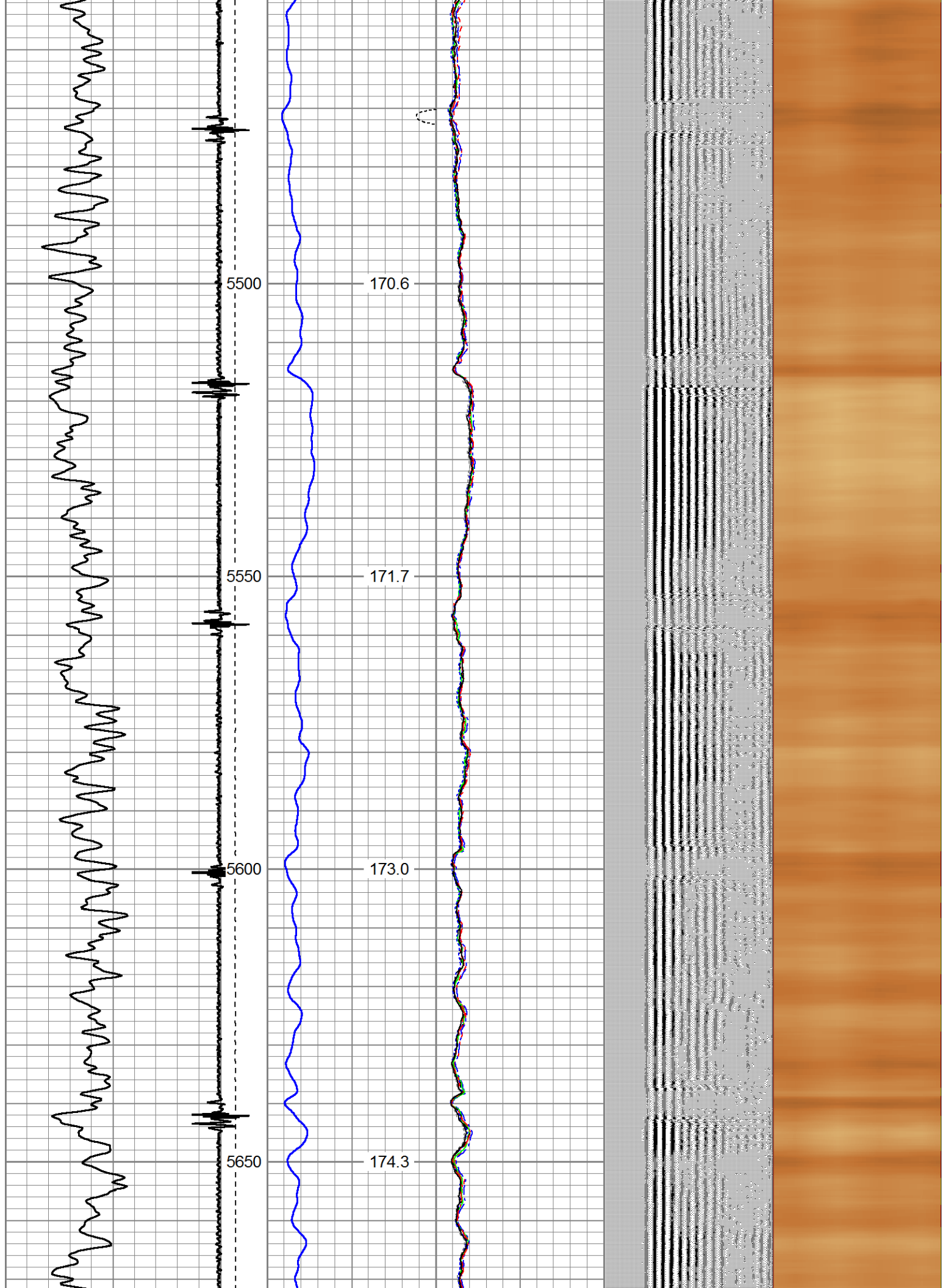


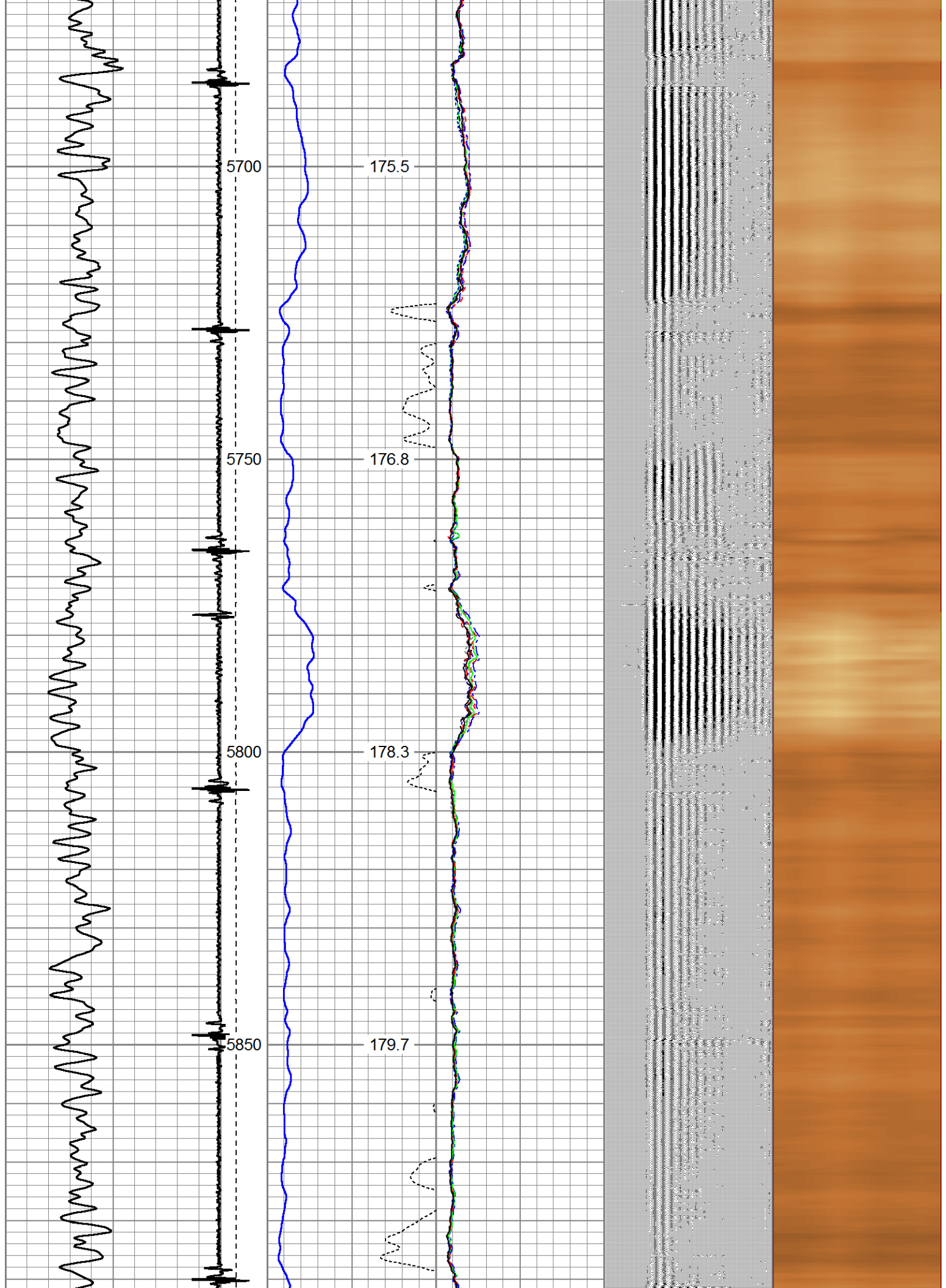




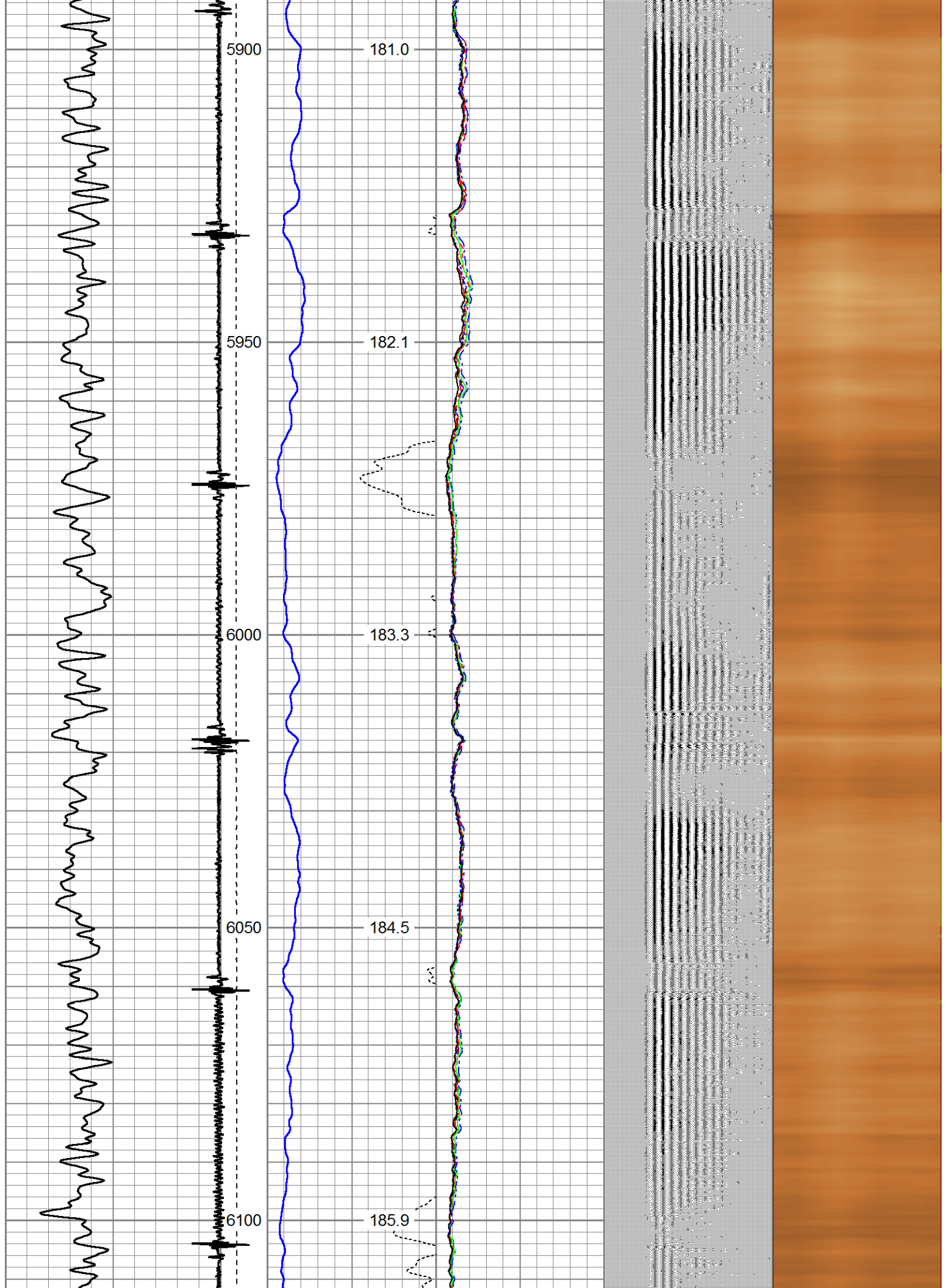


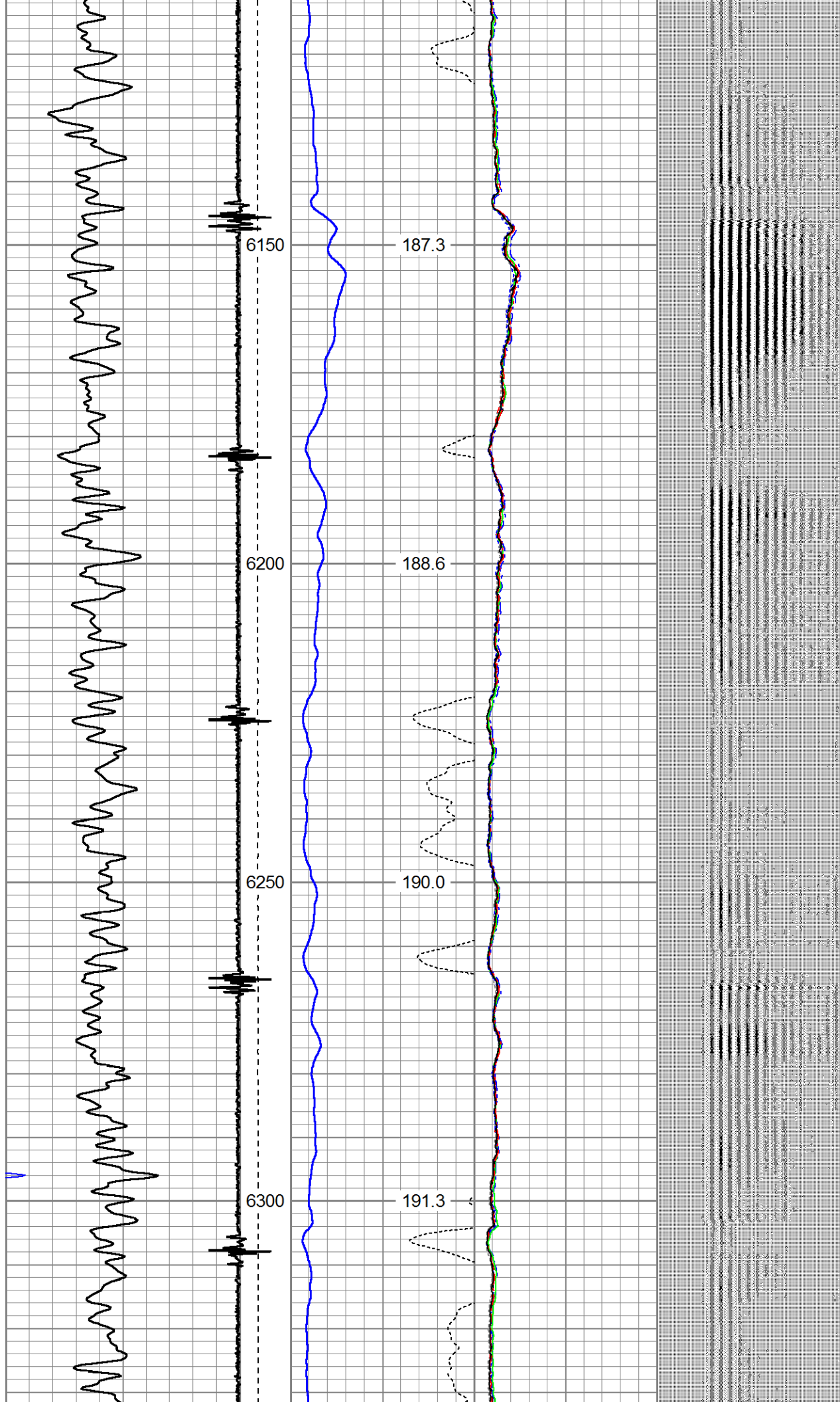


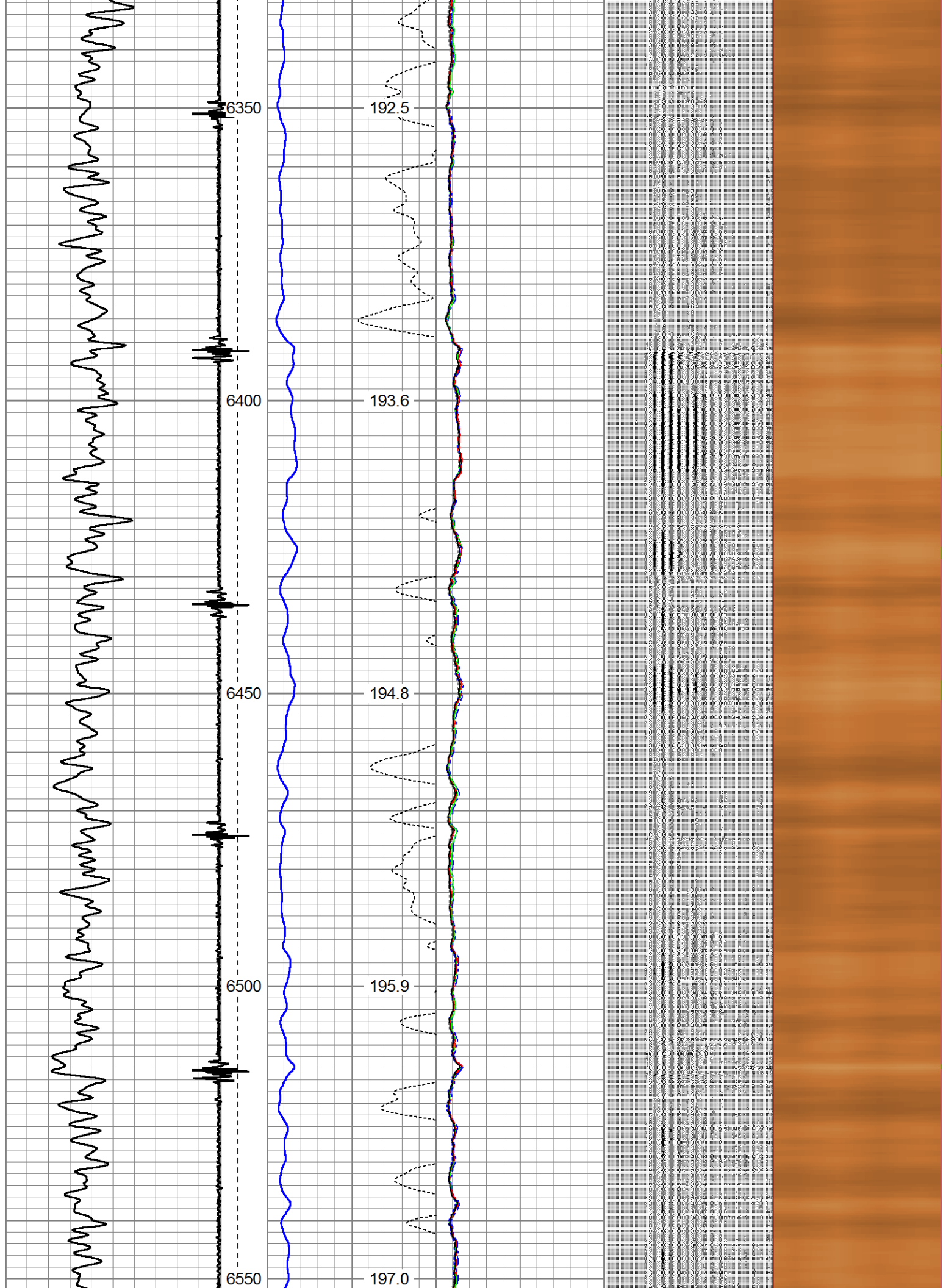




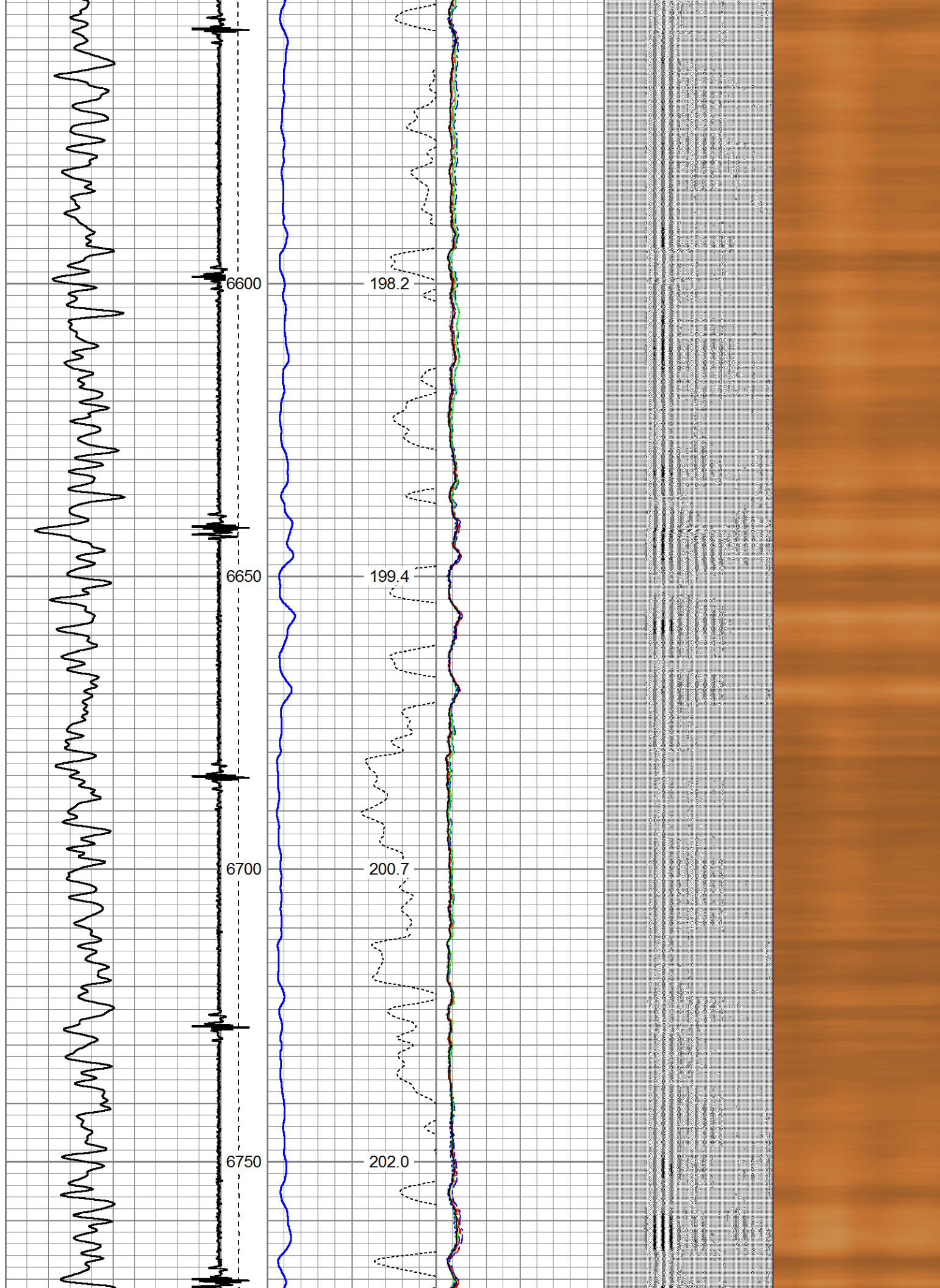


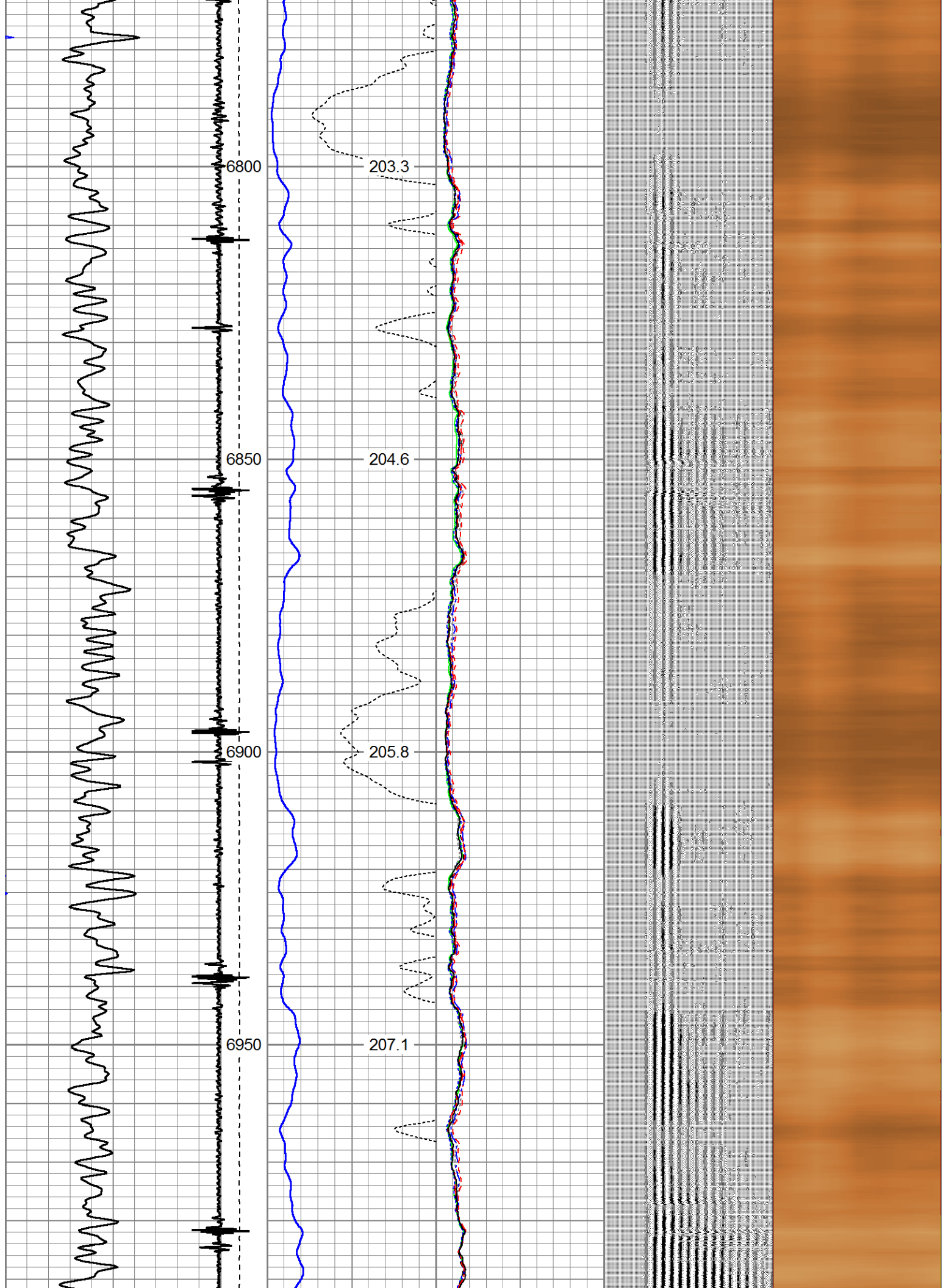


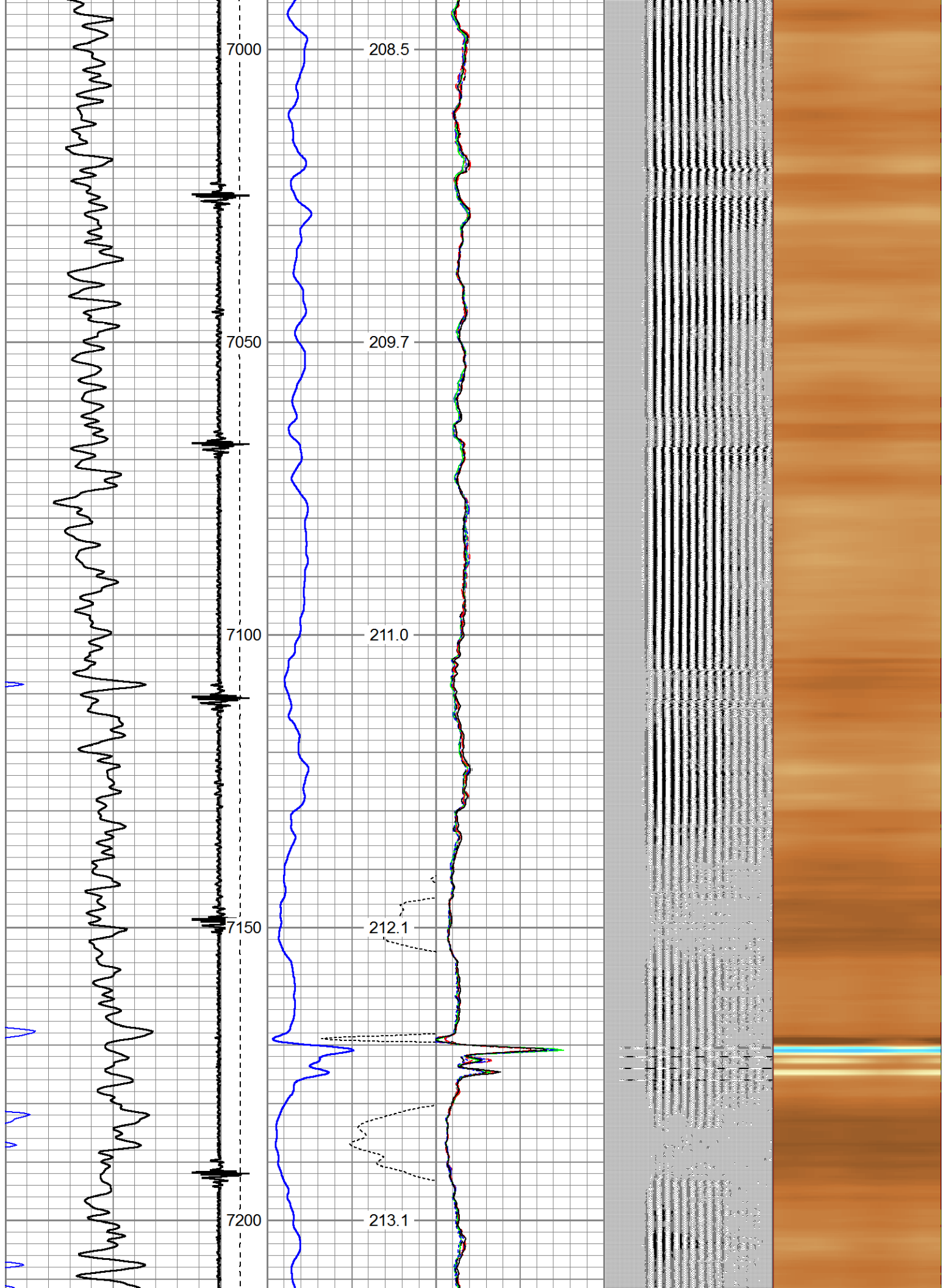




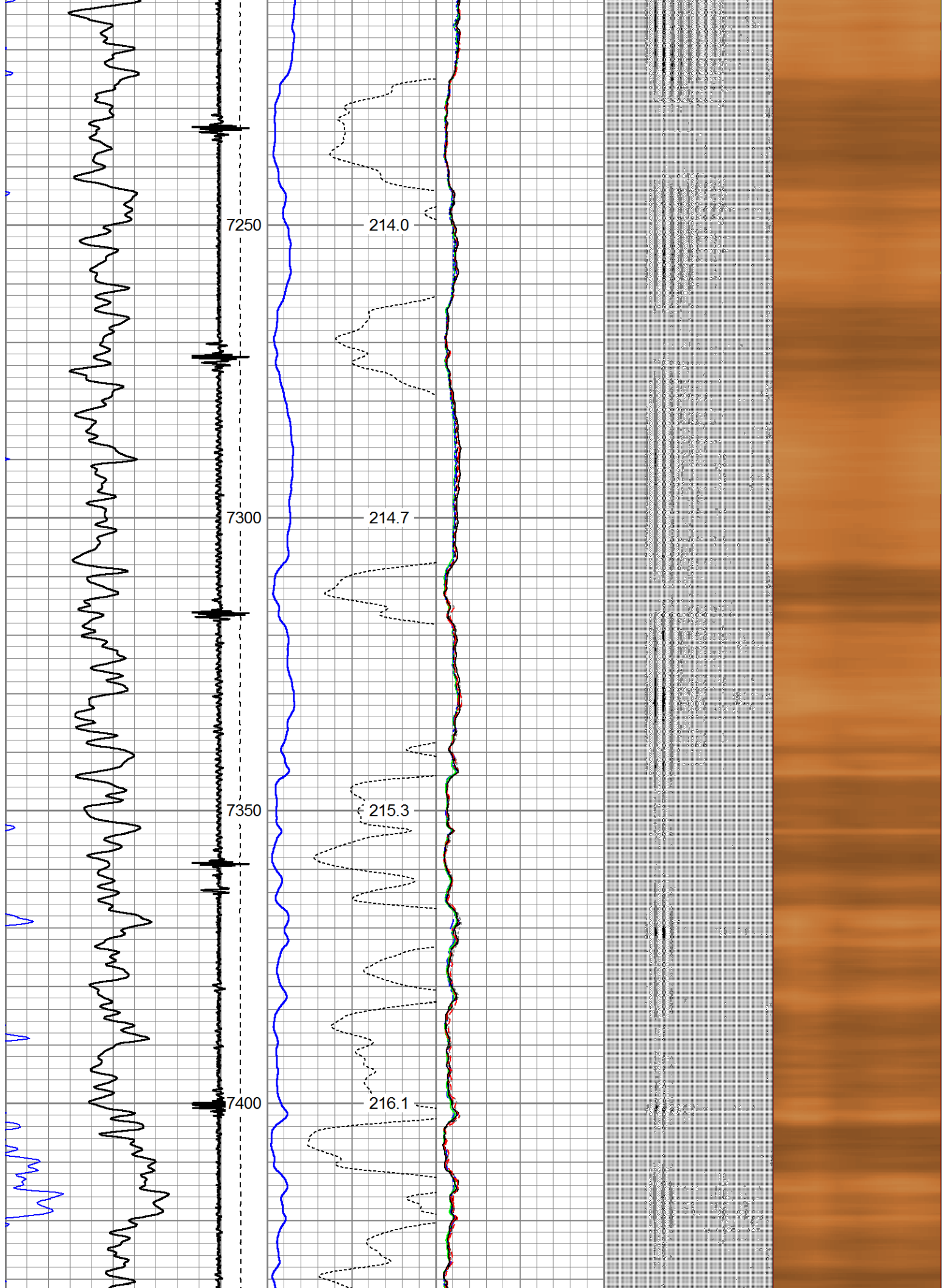


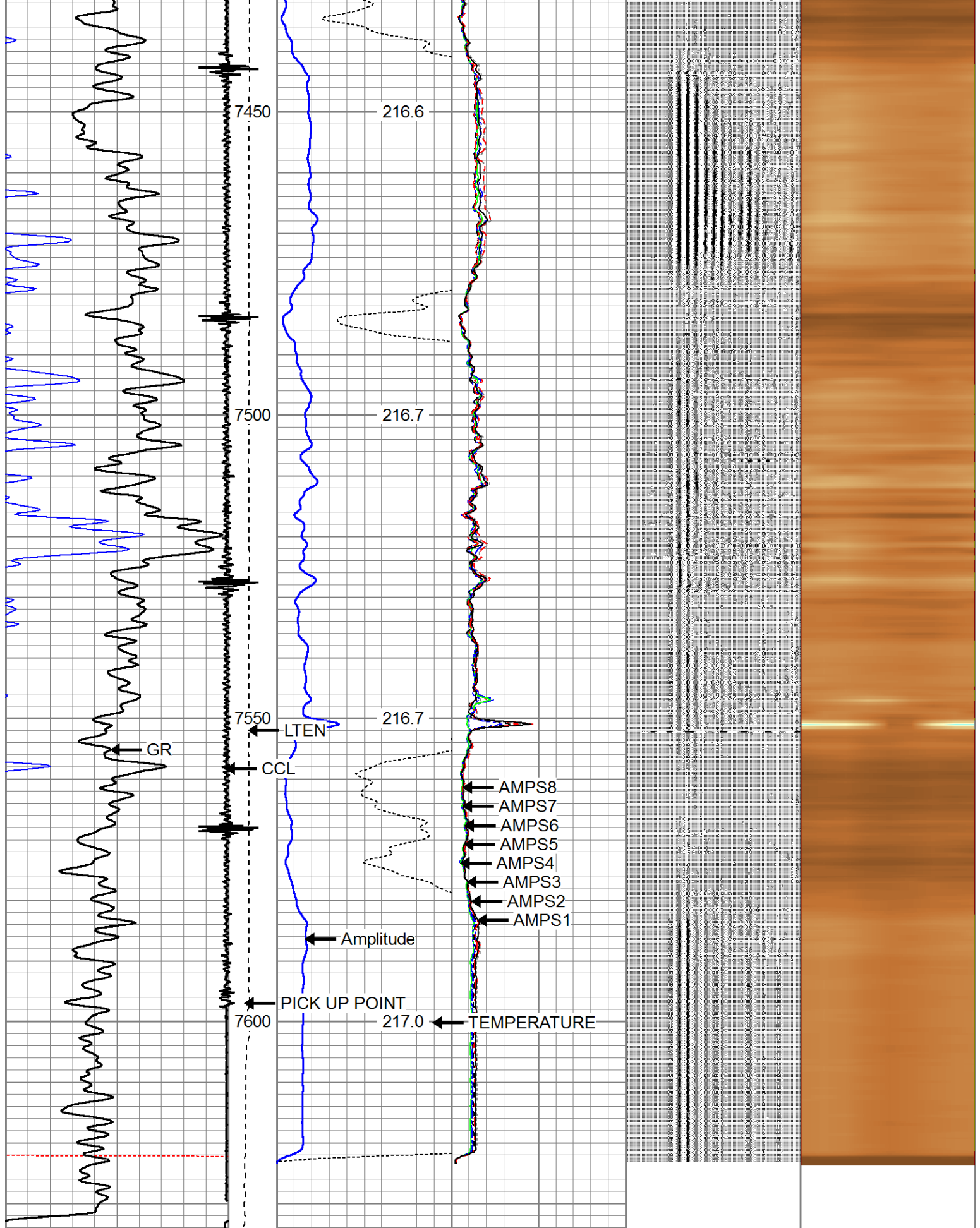












325	TT (usec)	225	LTEN	0	Amplitude (mV)	100	-5	AMPS2	150	200	VDL	1200	Cement Map
0	GR (GAPI)	250	(lb)		Amplified Amplitude		-5	AMPS3	150				
			CCL	0	(mV)	10	-5	AMPS4	150				
					TEMP		-5	AMPS5	150				

TEMP	5	AMPS	150
(degF)	-5	AMPS6	150
	-5	AMPS7	150
	-5	AMPS8	150
	-5	AMPS1	150



Company CUB CREEK  
Well LITZENBERGER 4  
Field WATTENBERG  
County WELD  
State COLORADO