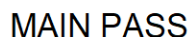
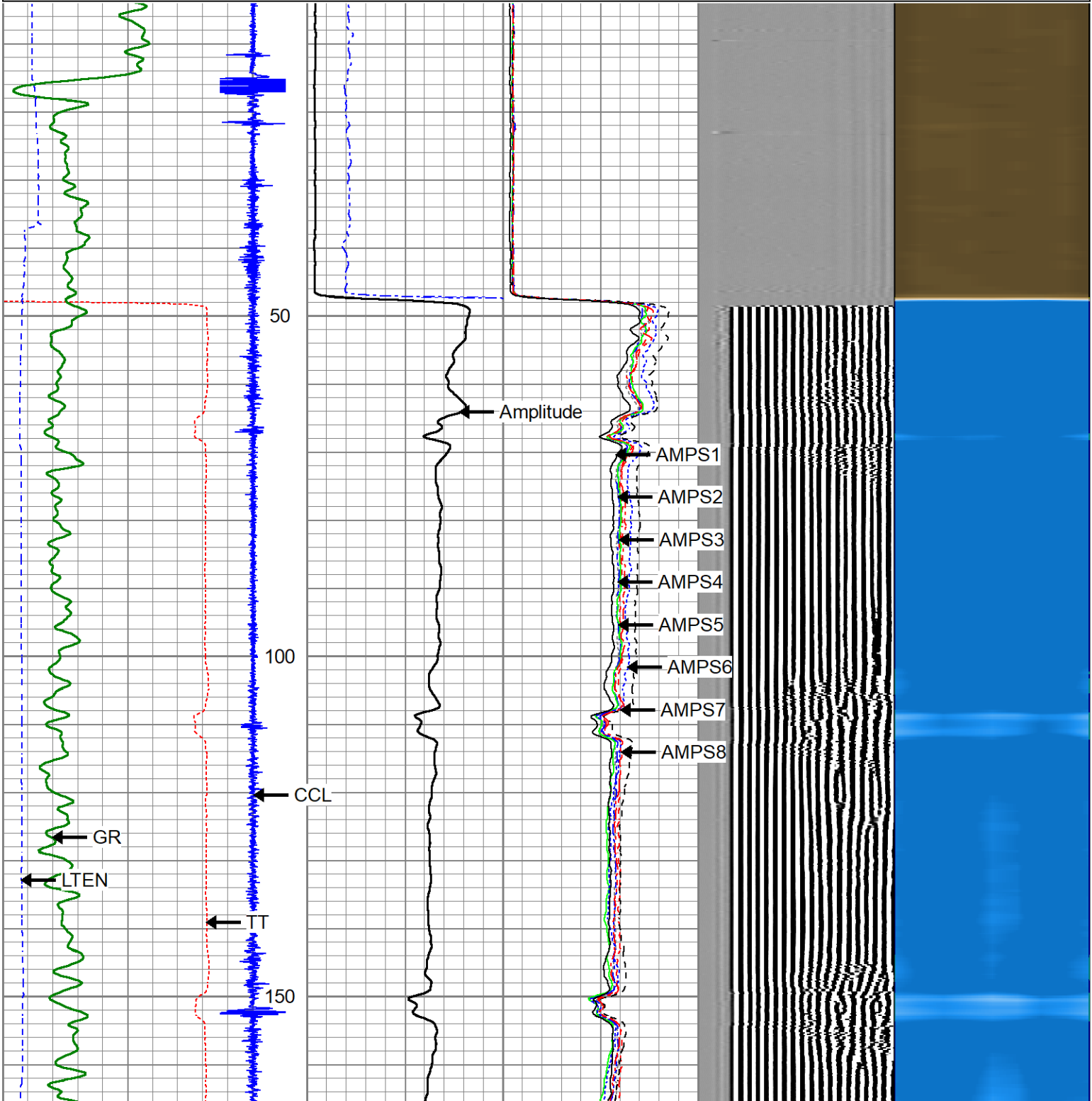
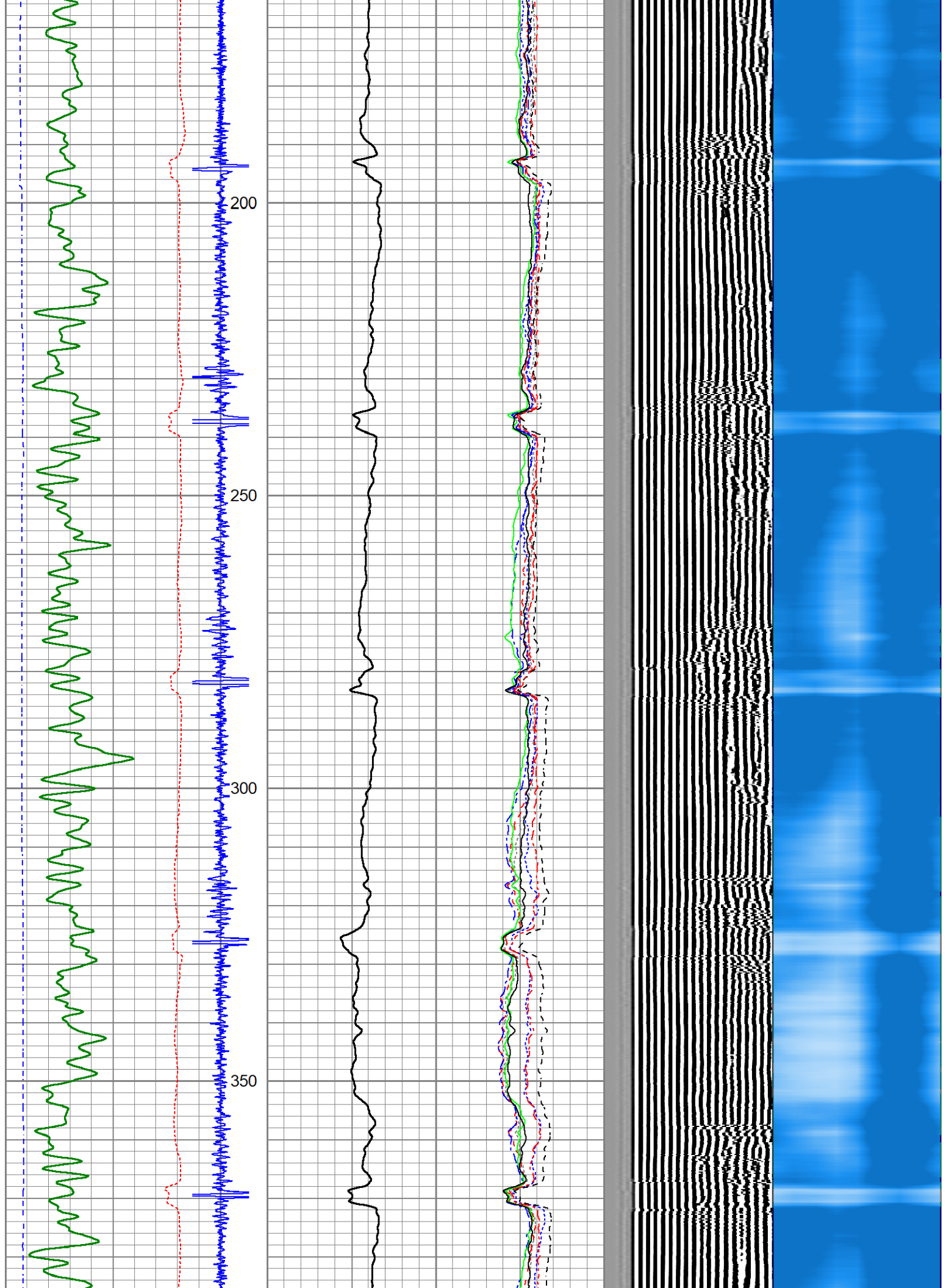


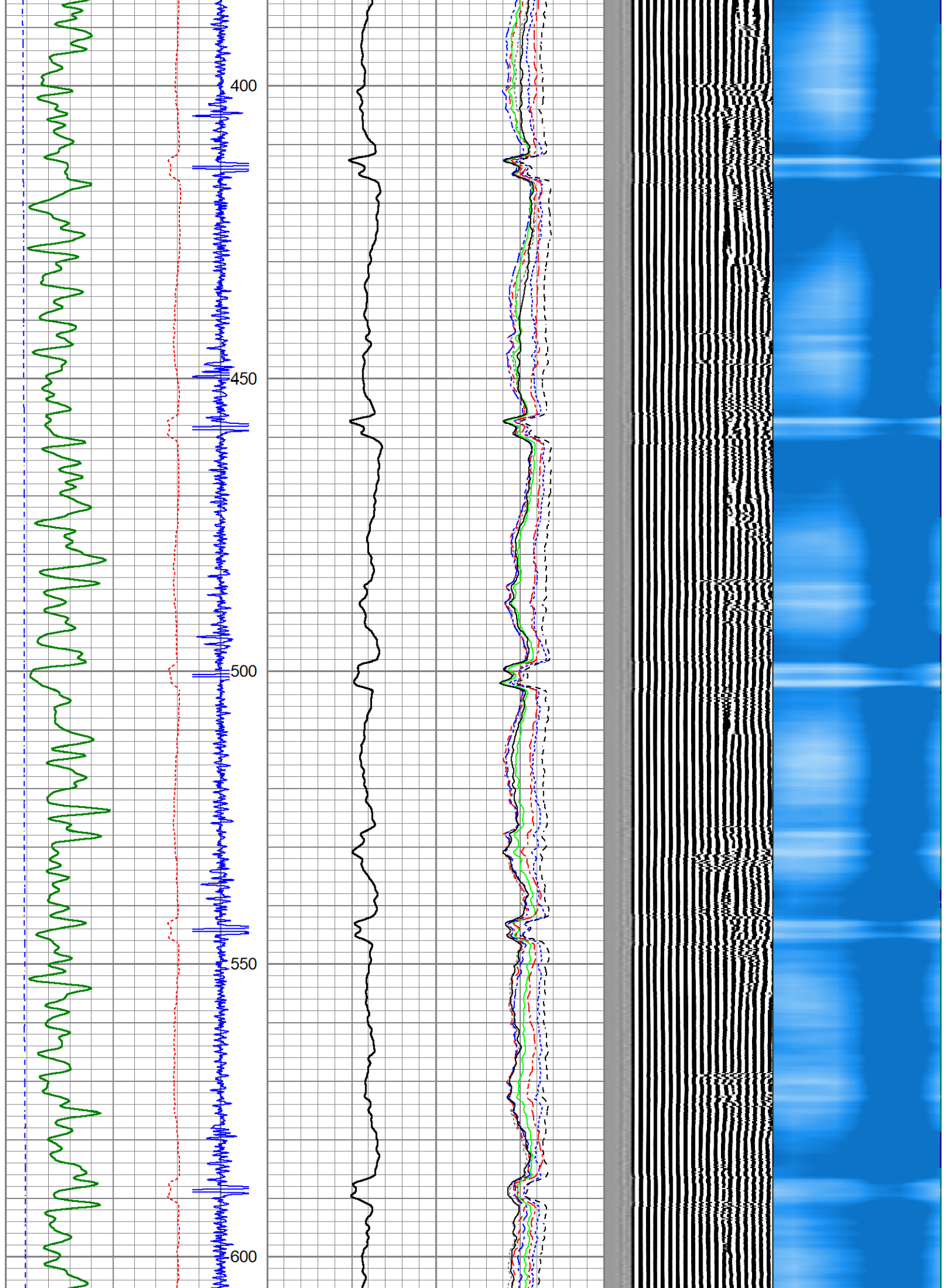
LOG WAS MEASURED FROM KB 23' ABOVE GL  
WELL WAS LOGGED WITH 0 PSI AT THE WELL HEAD



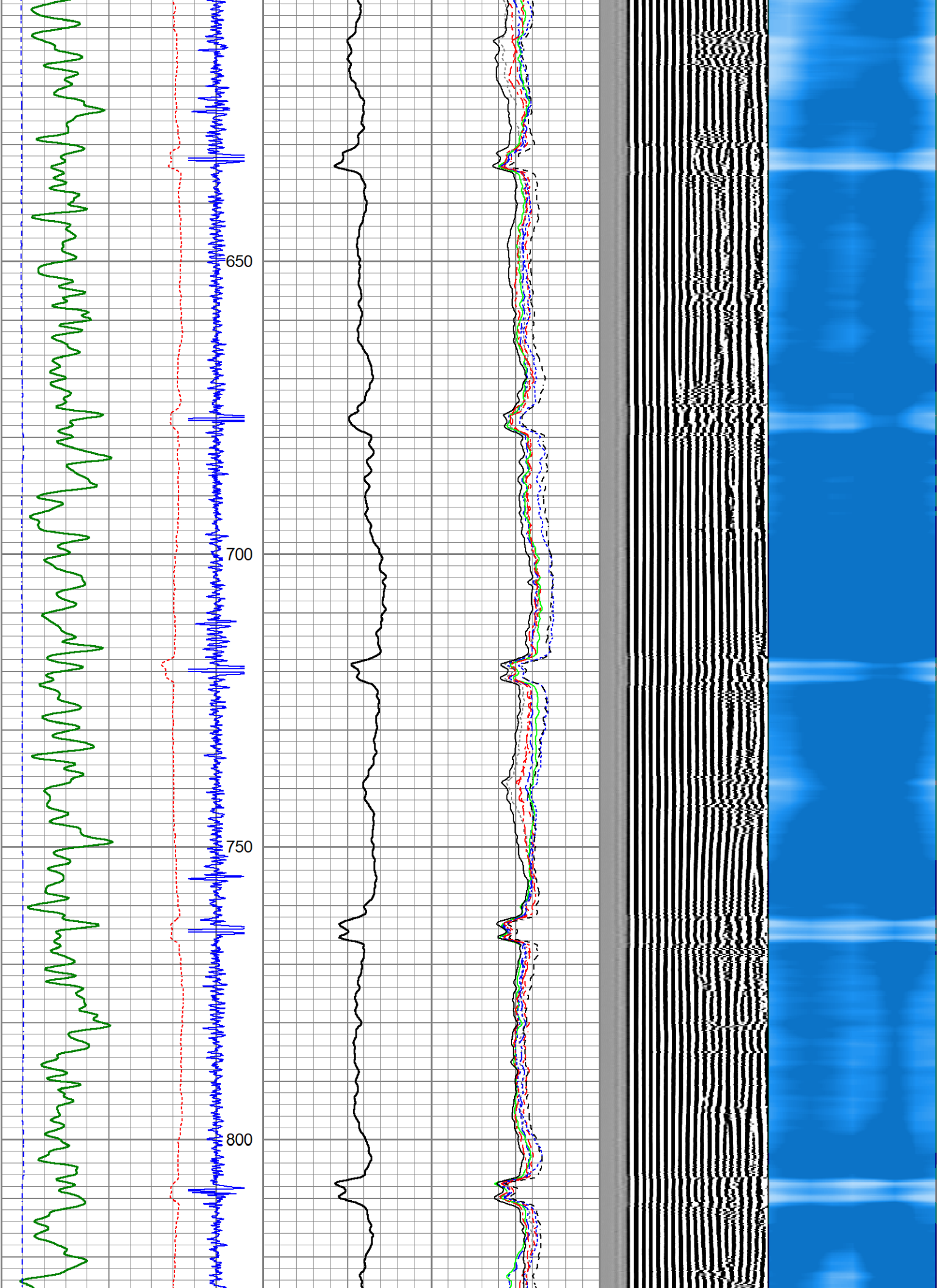
327	TT (usec)	227	0	Amplitude (mV)	100	-5	AMPS2	150	200	VDL (usec)	1200	Cement Map
0	GR (GAPI)	150		Amplified Amplitude		-5	AMPS3	150				
0	LTEN (lb)	4000	0	(mV)	20	-5	AMPS4	150				
						-5	AMPS5	150				
						-5	AMPS6	150				
						-5	AMPS7	150				
						-5	AMPS8	150				
						-5	AMPS1	150				

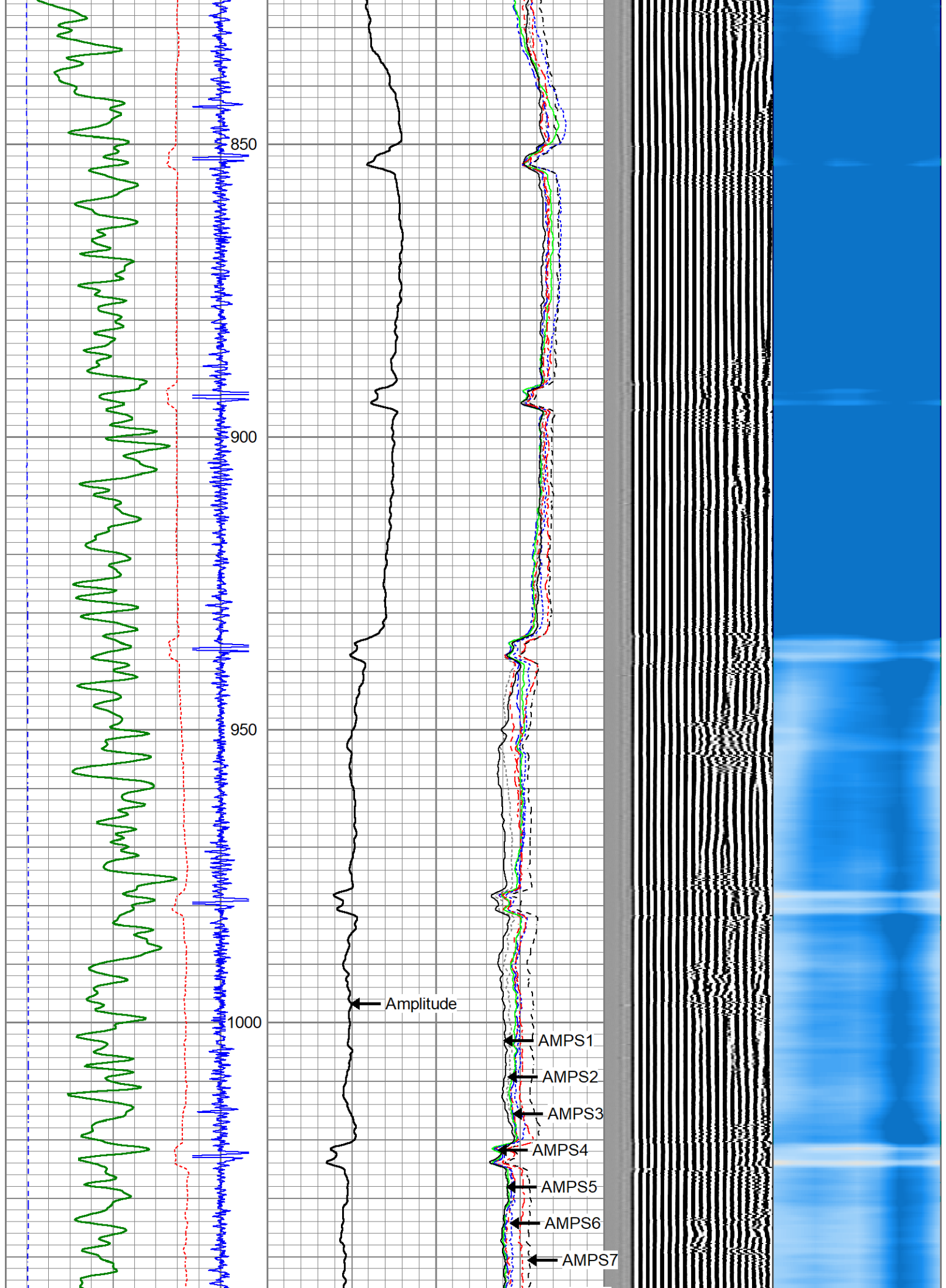


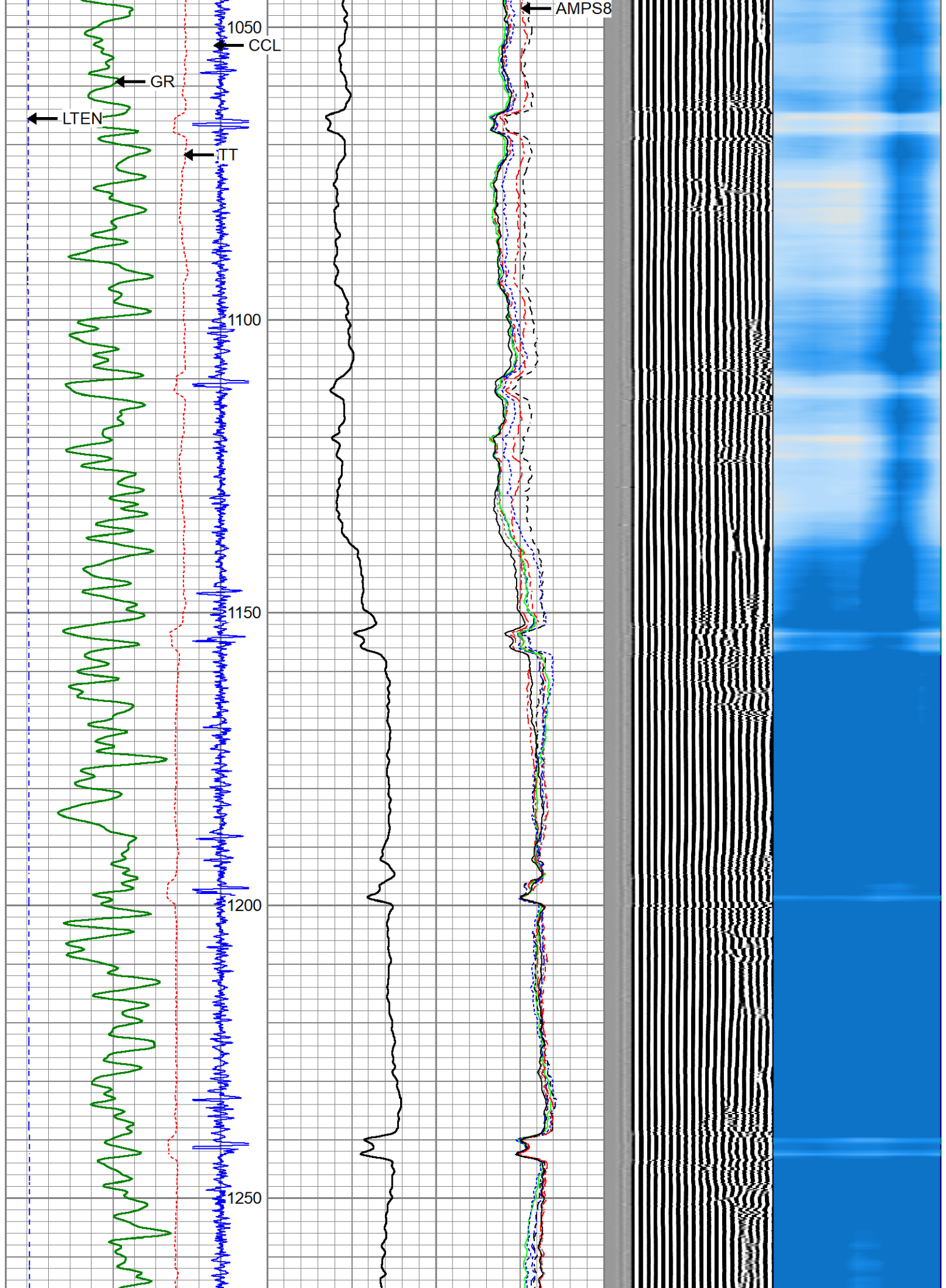


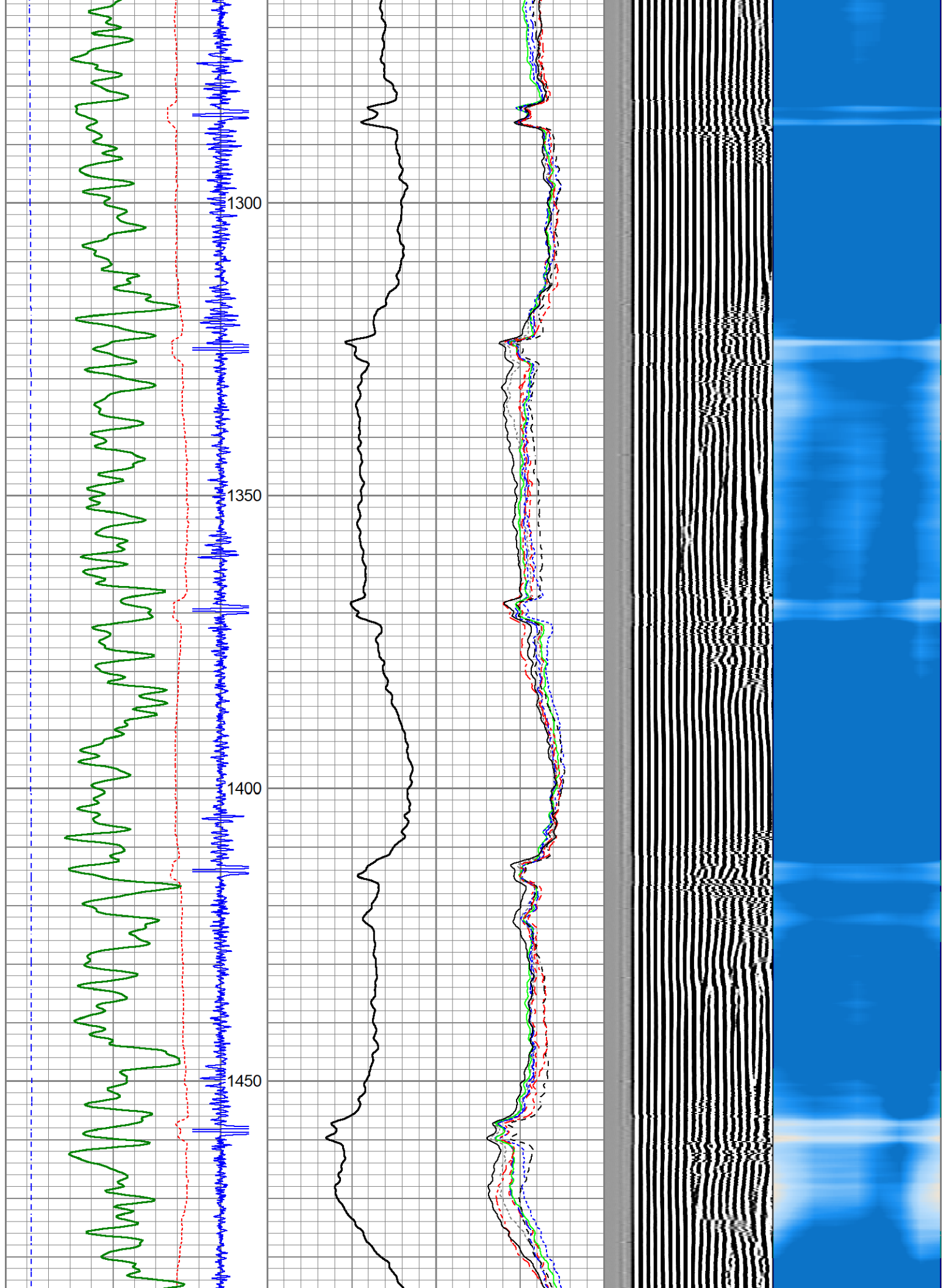




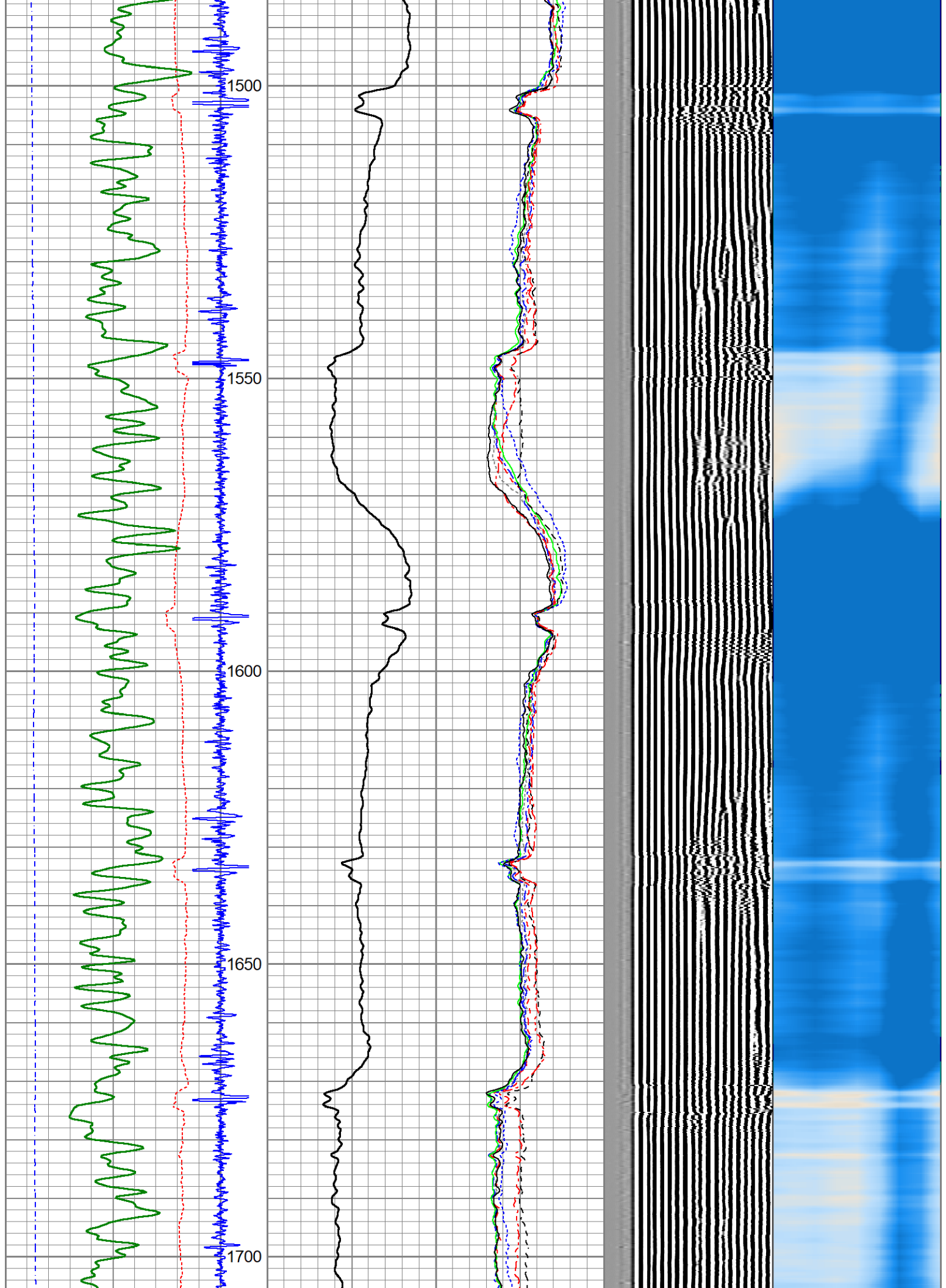


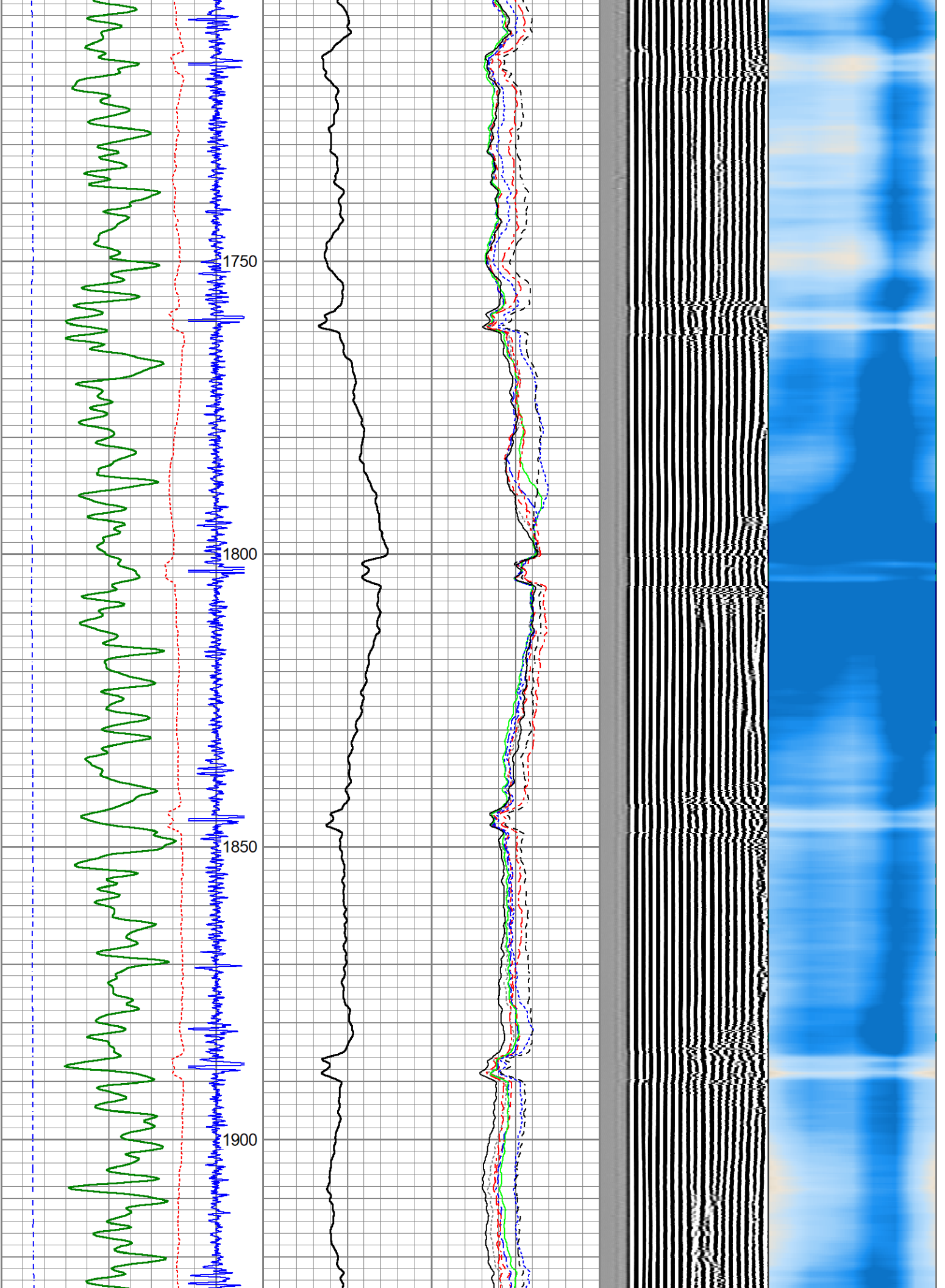


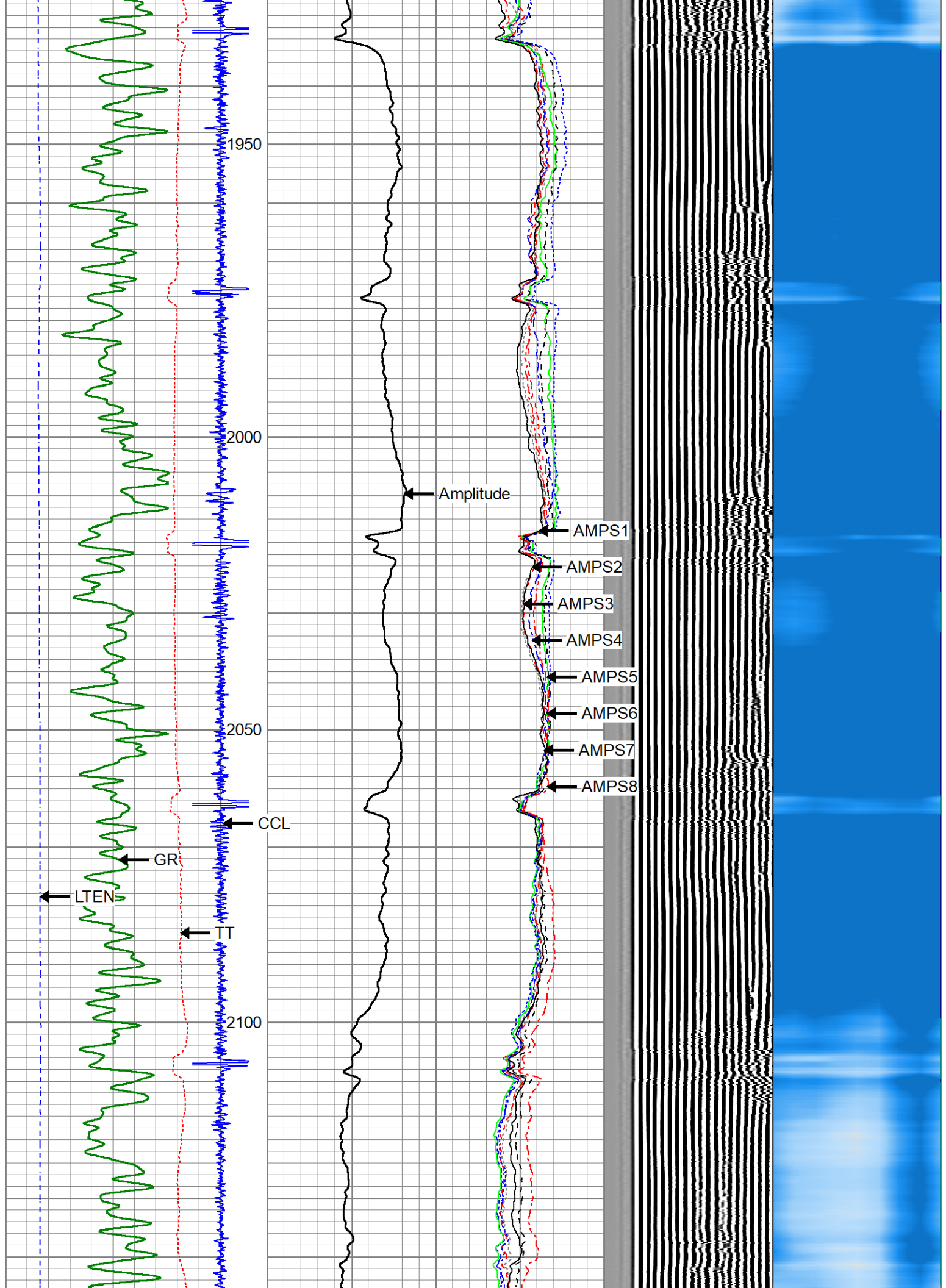


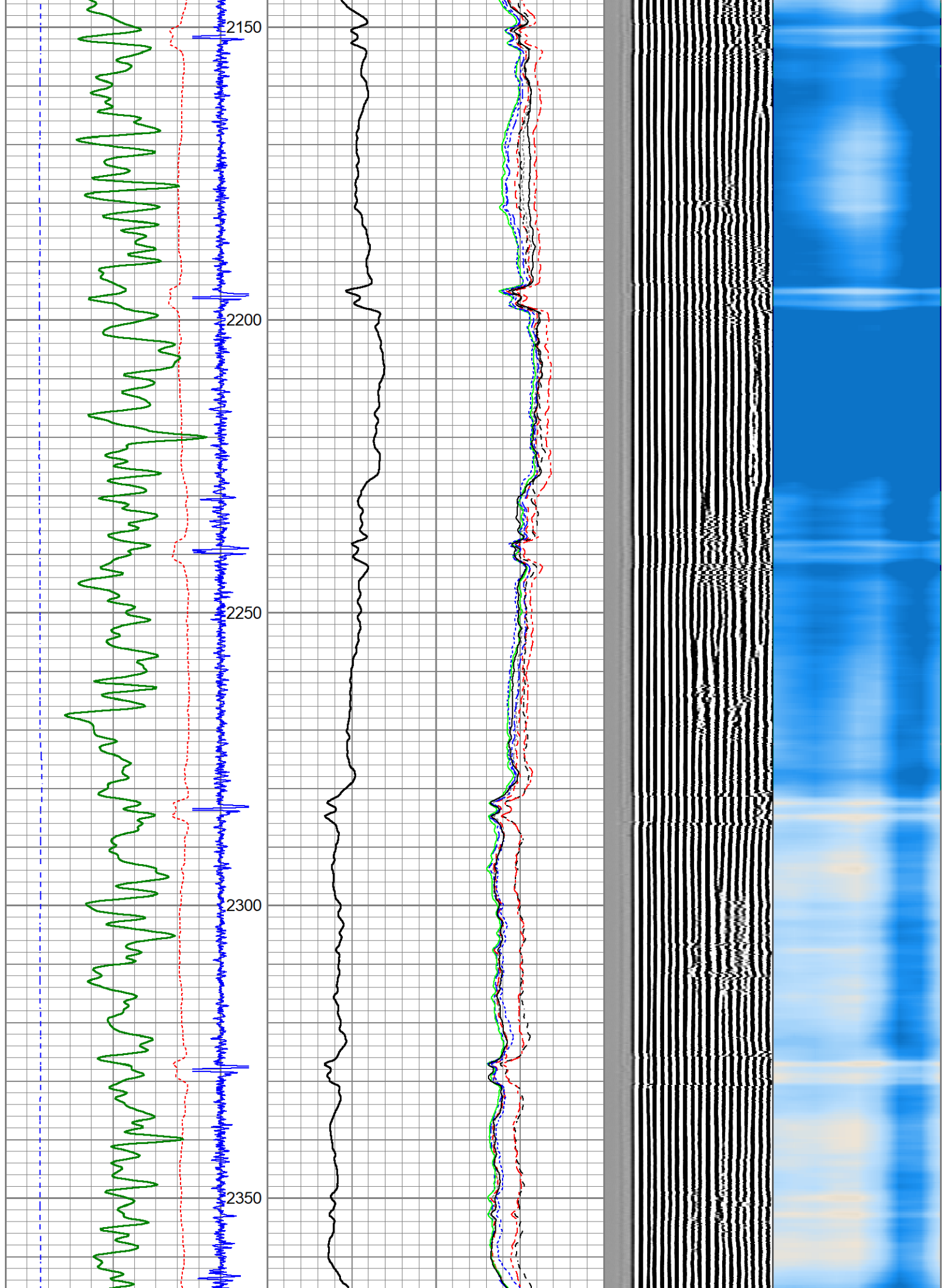




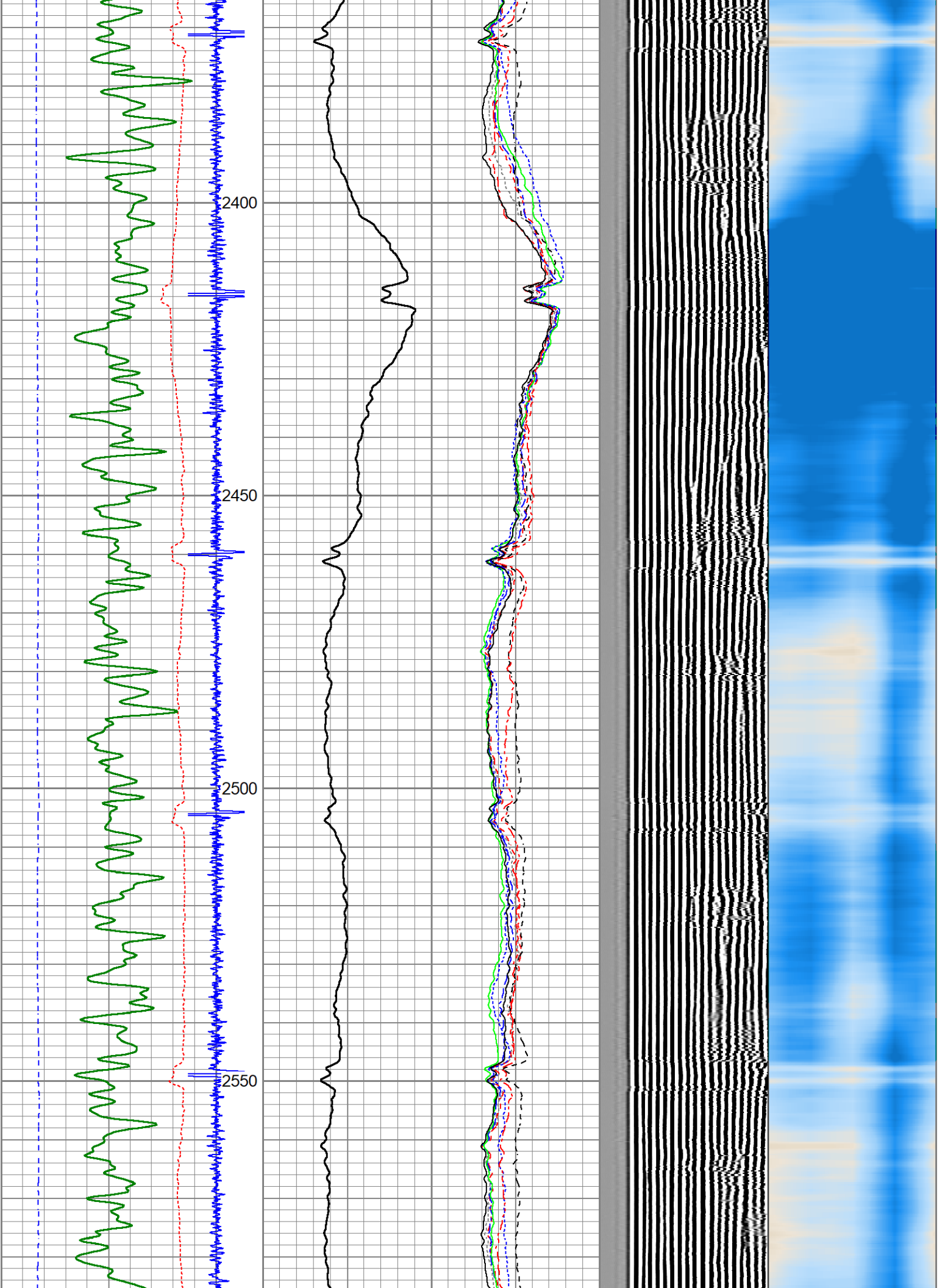


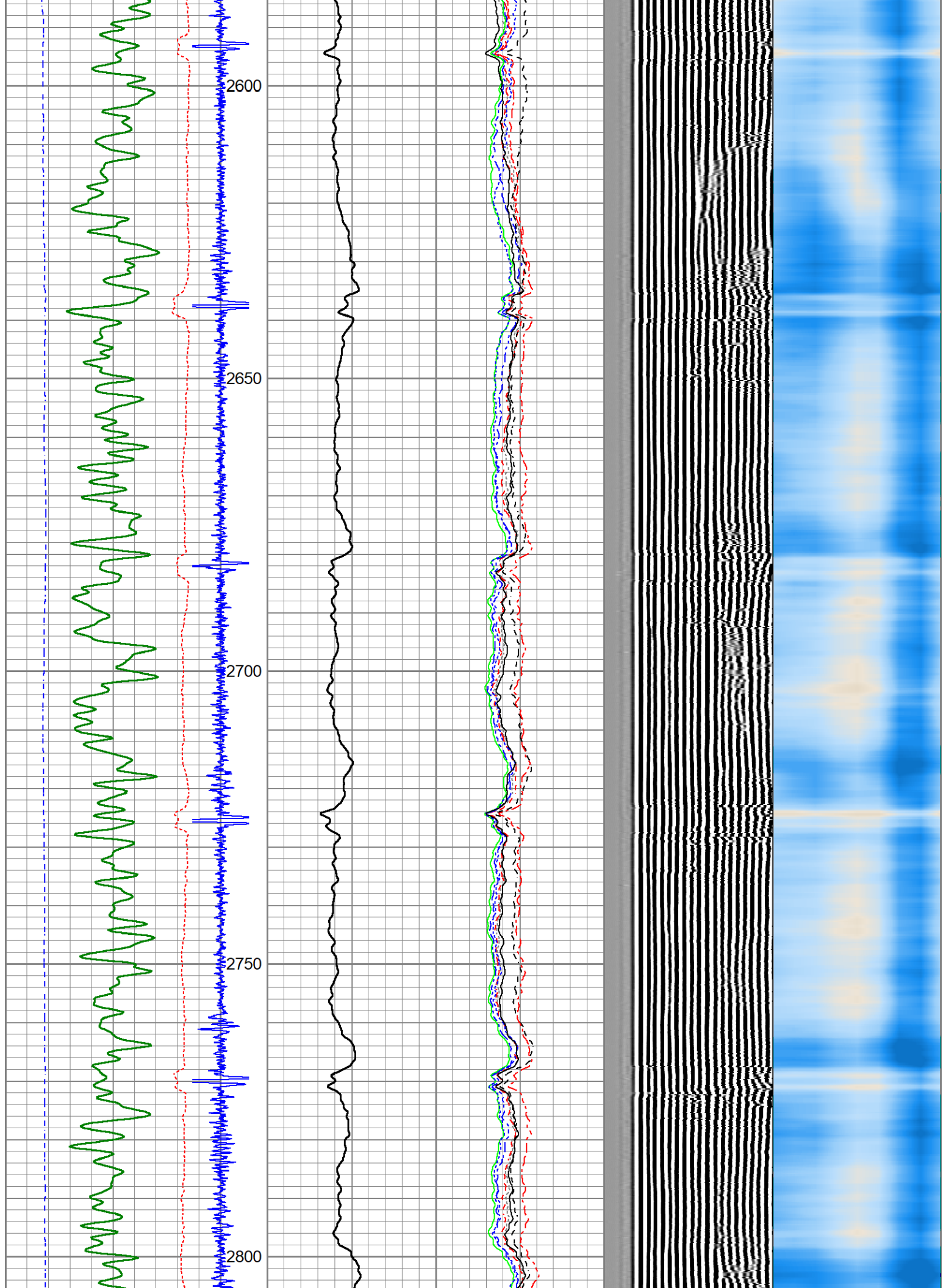


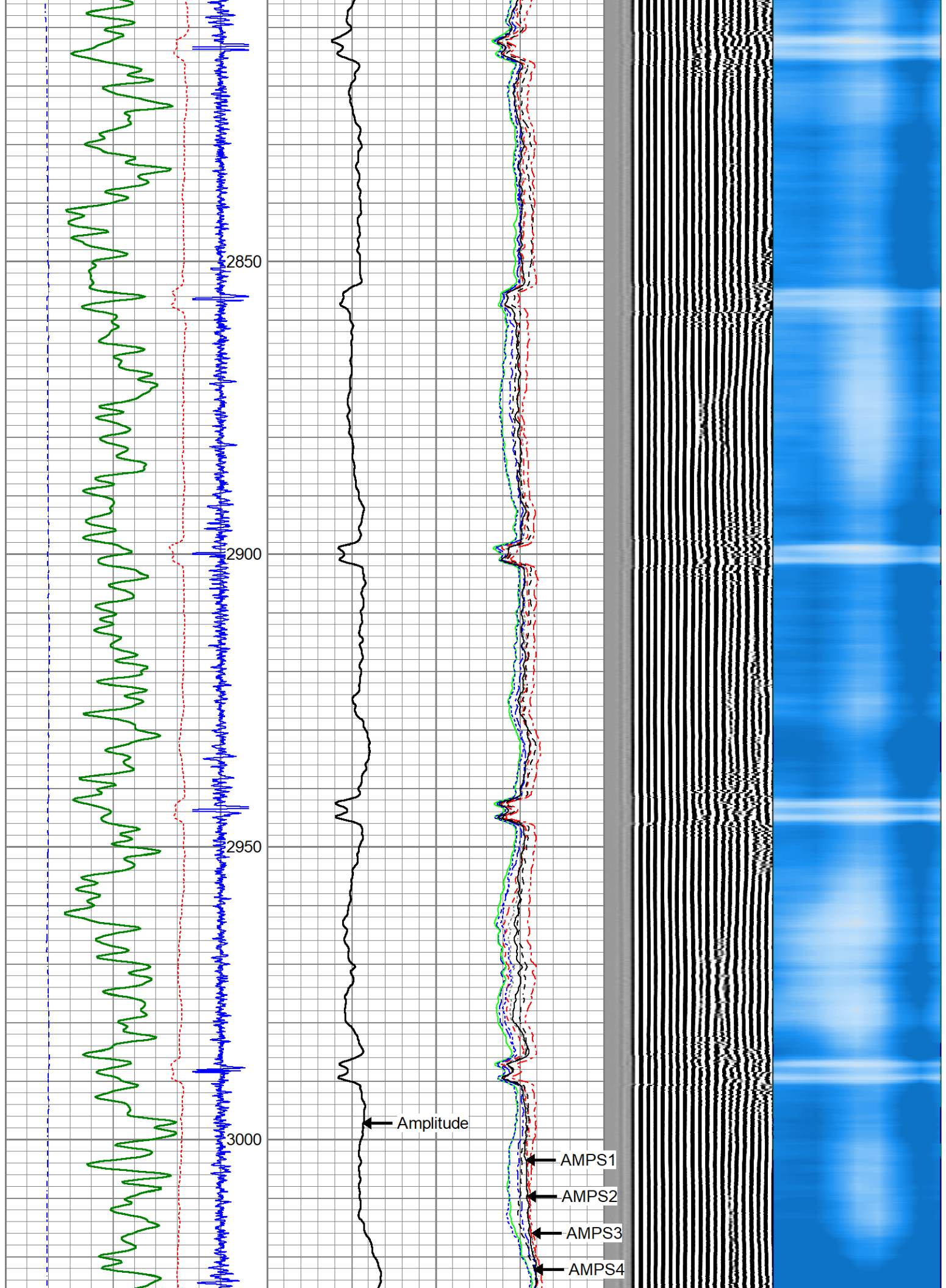


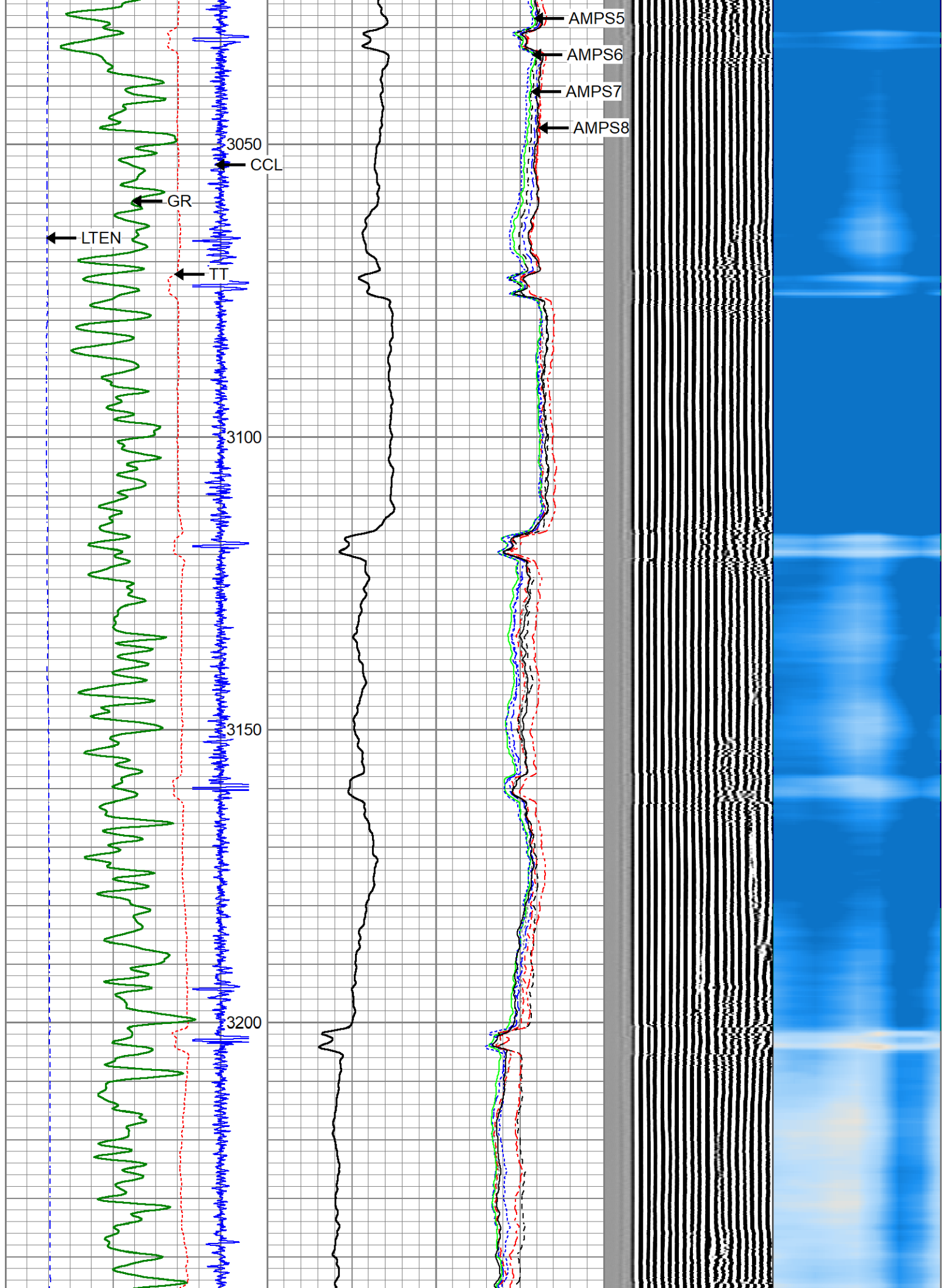




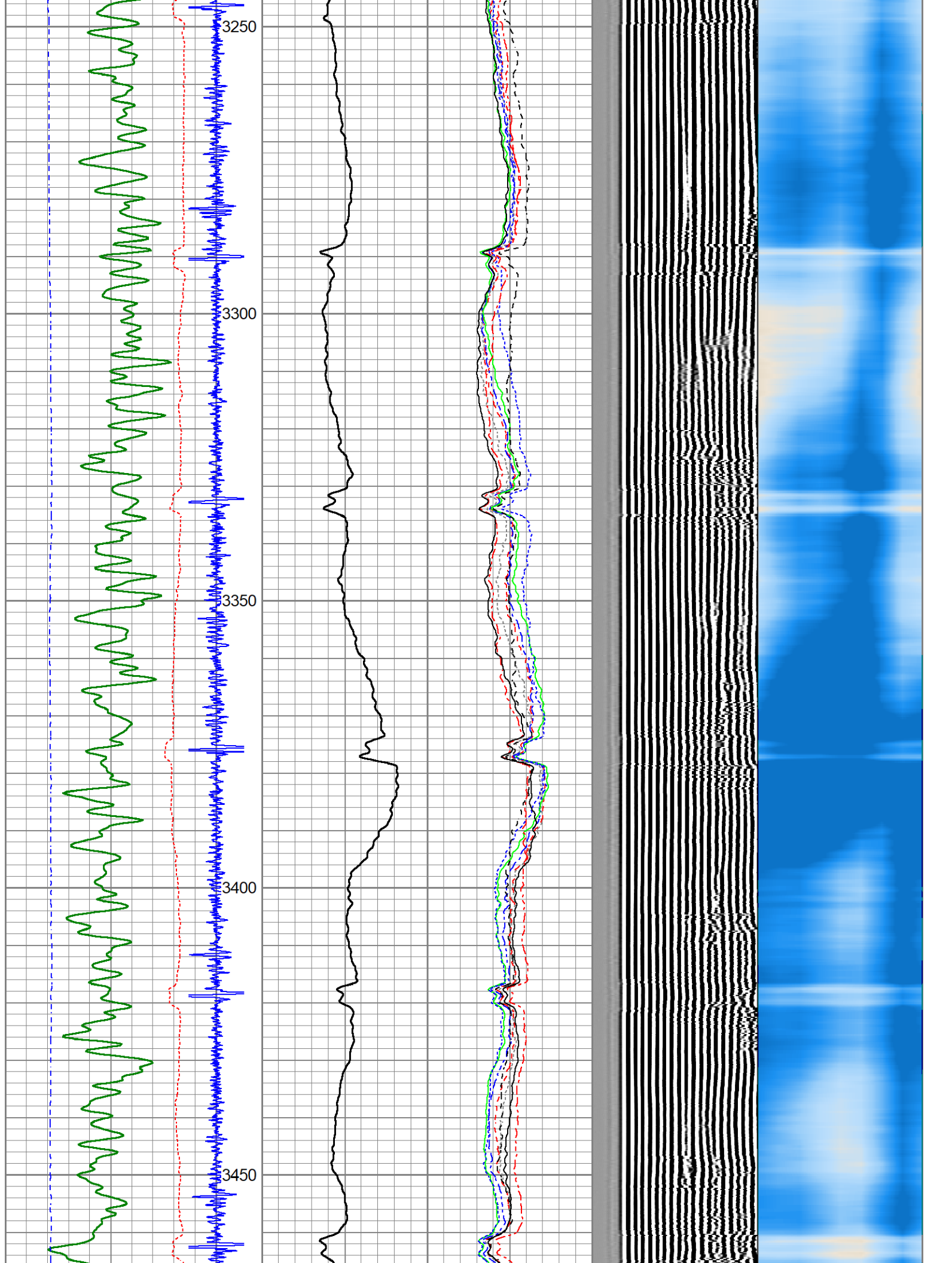


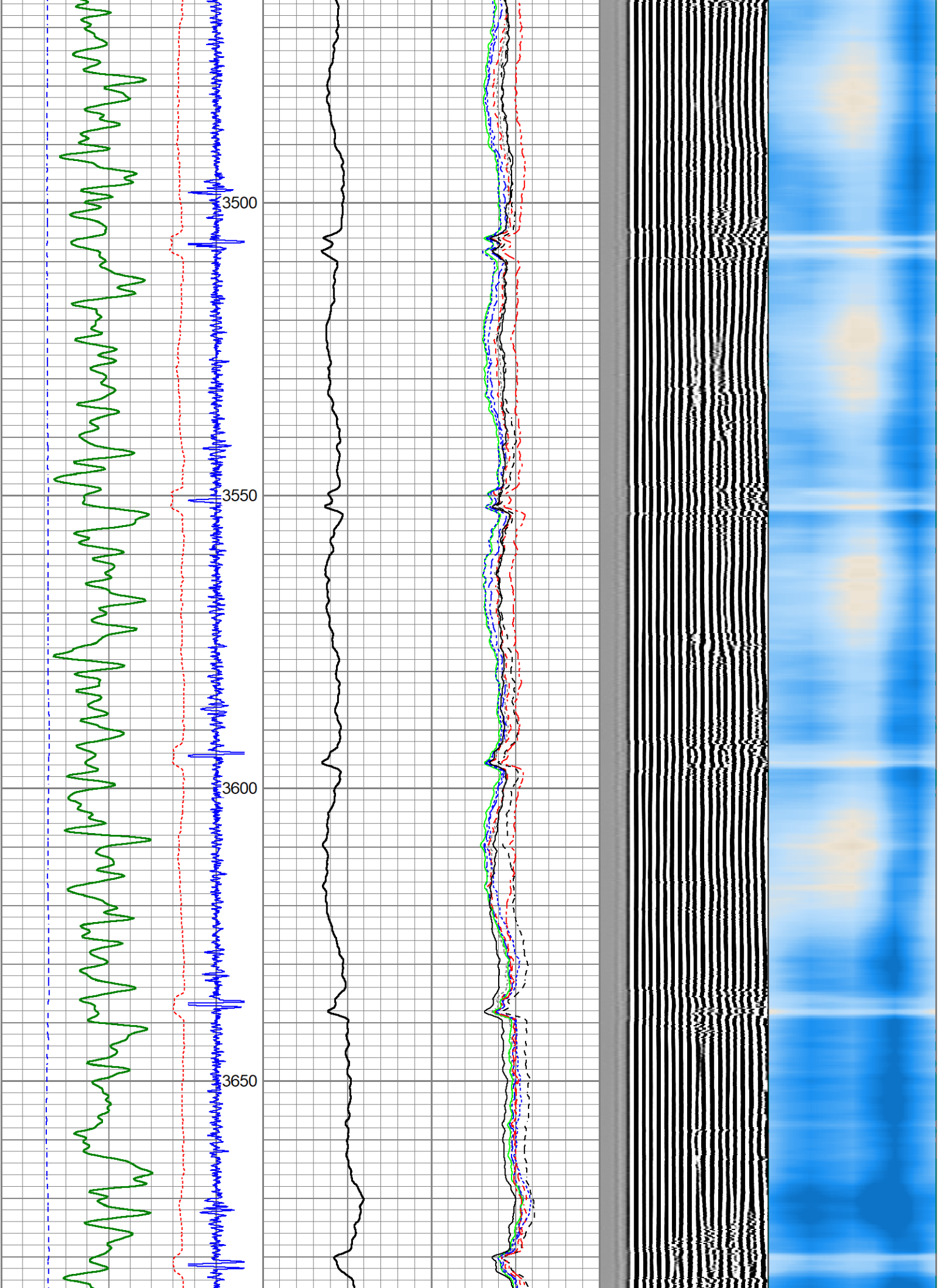


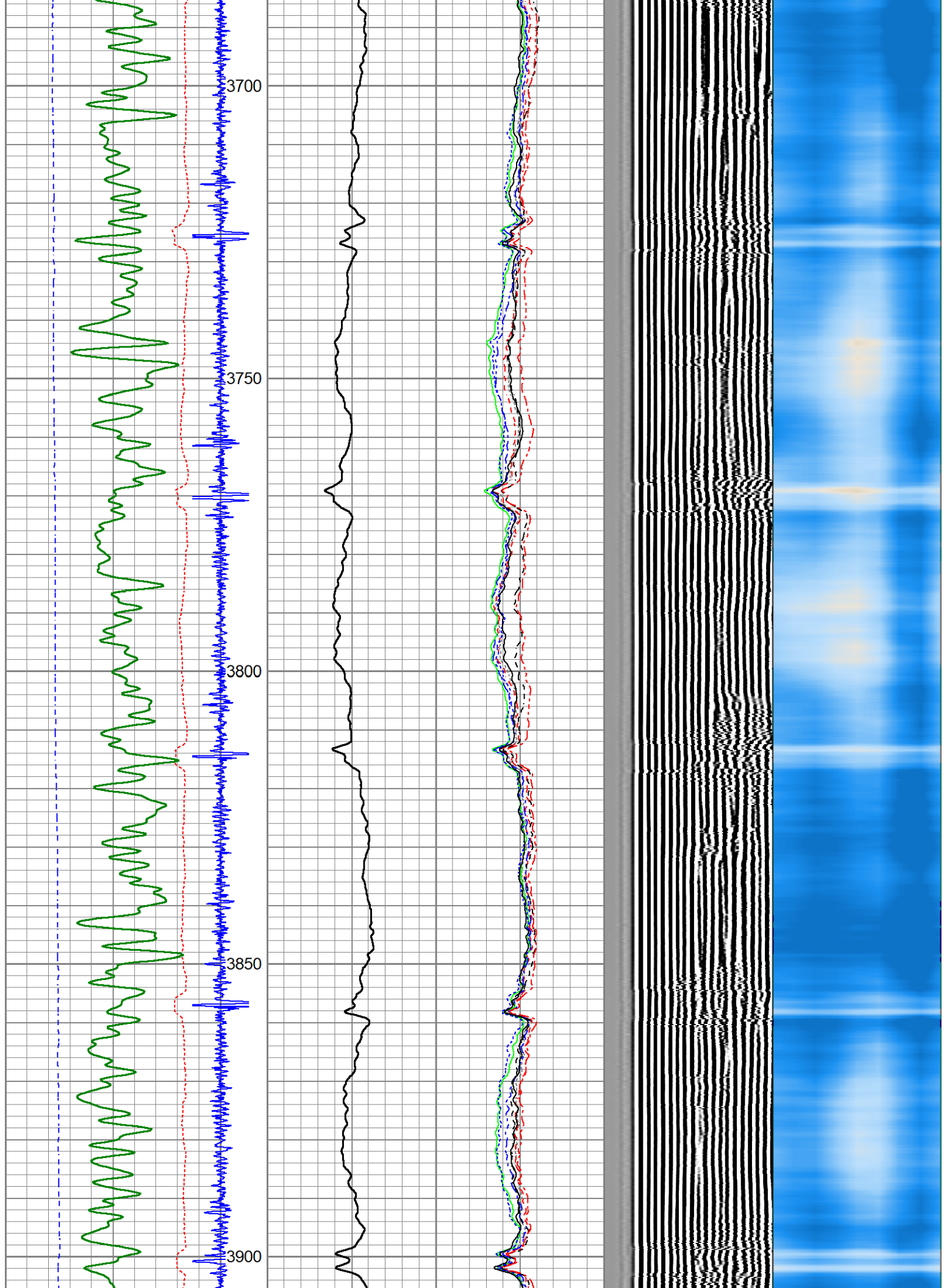


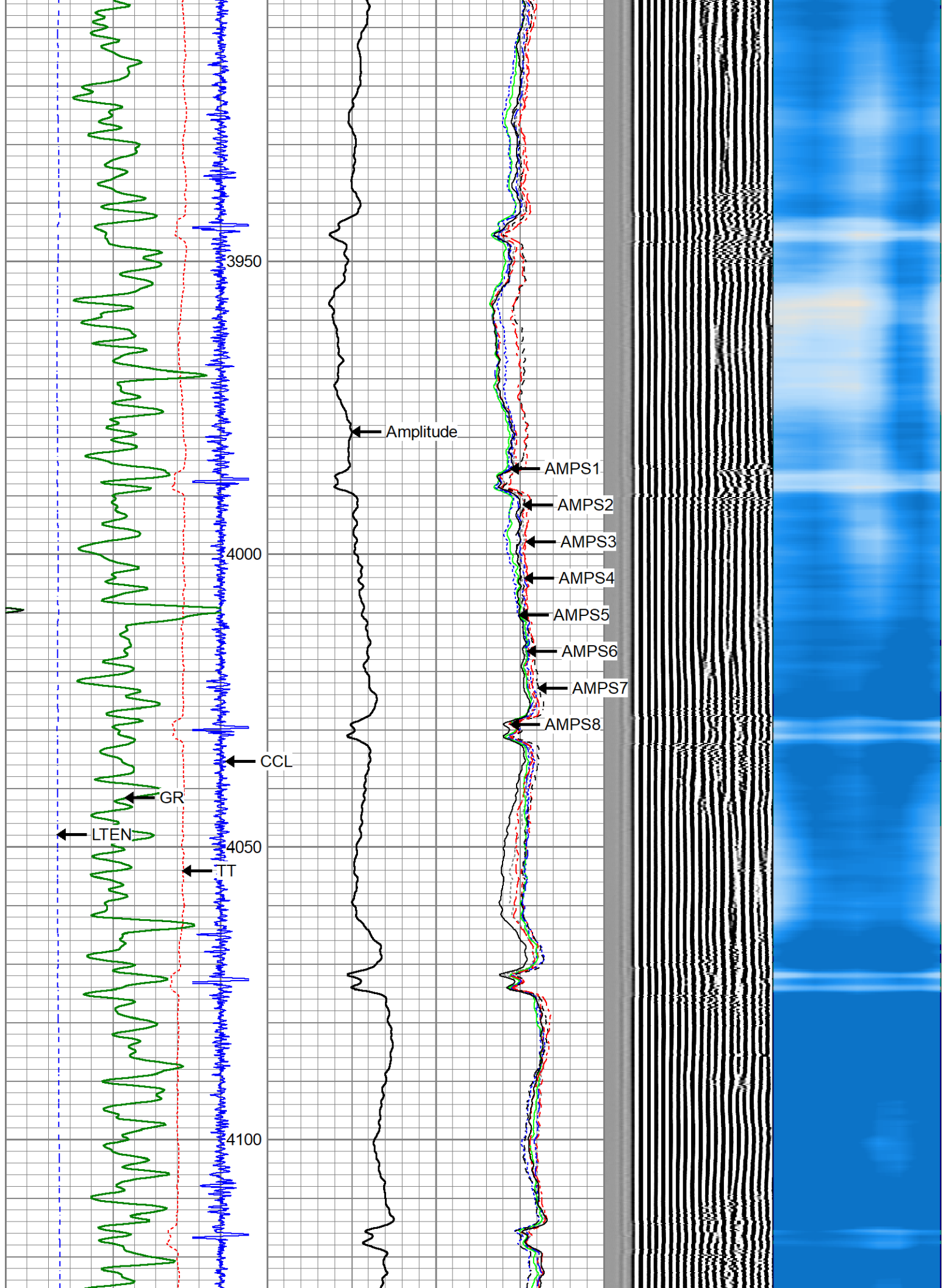




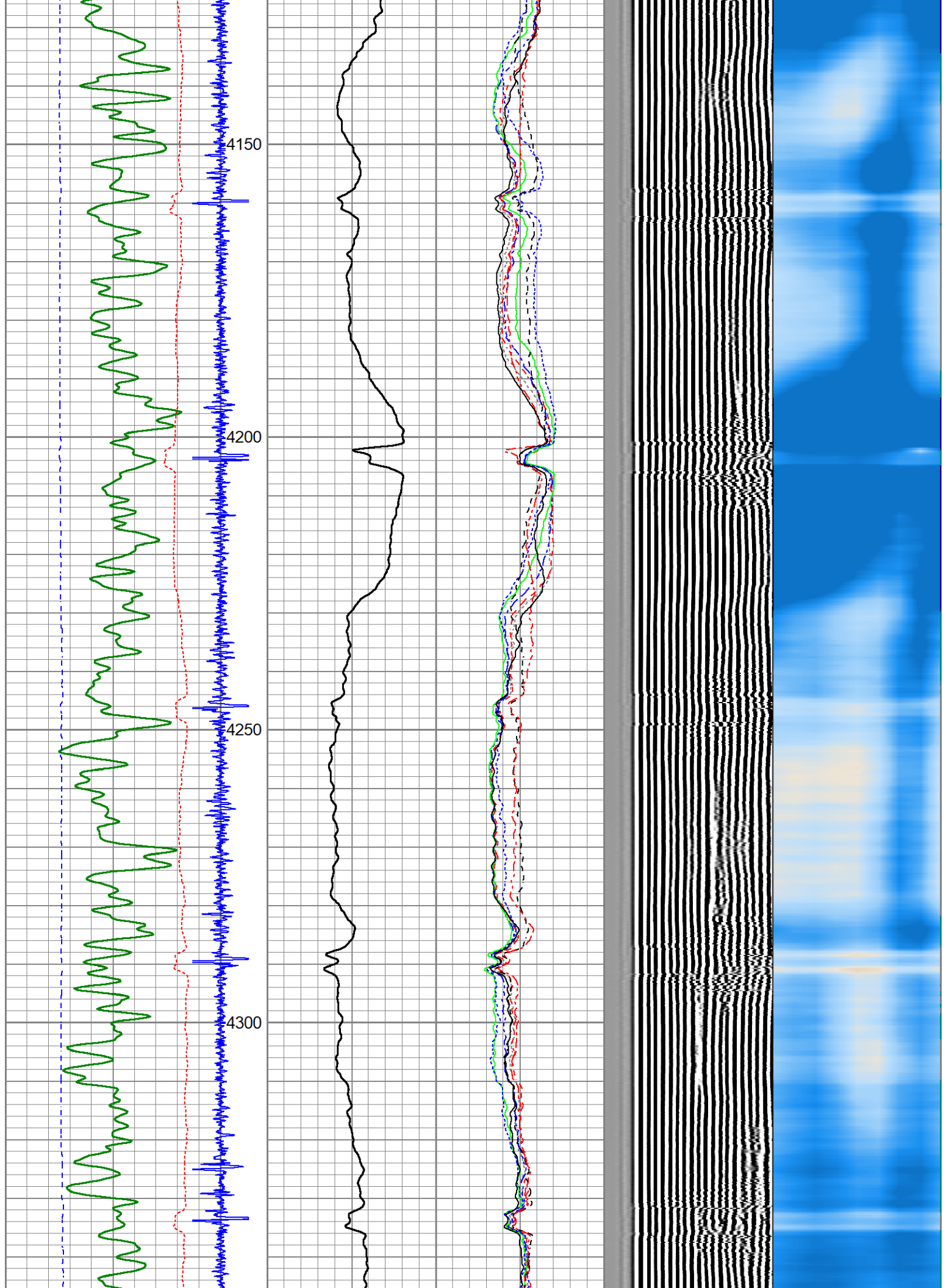


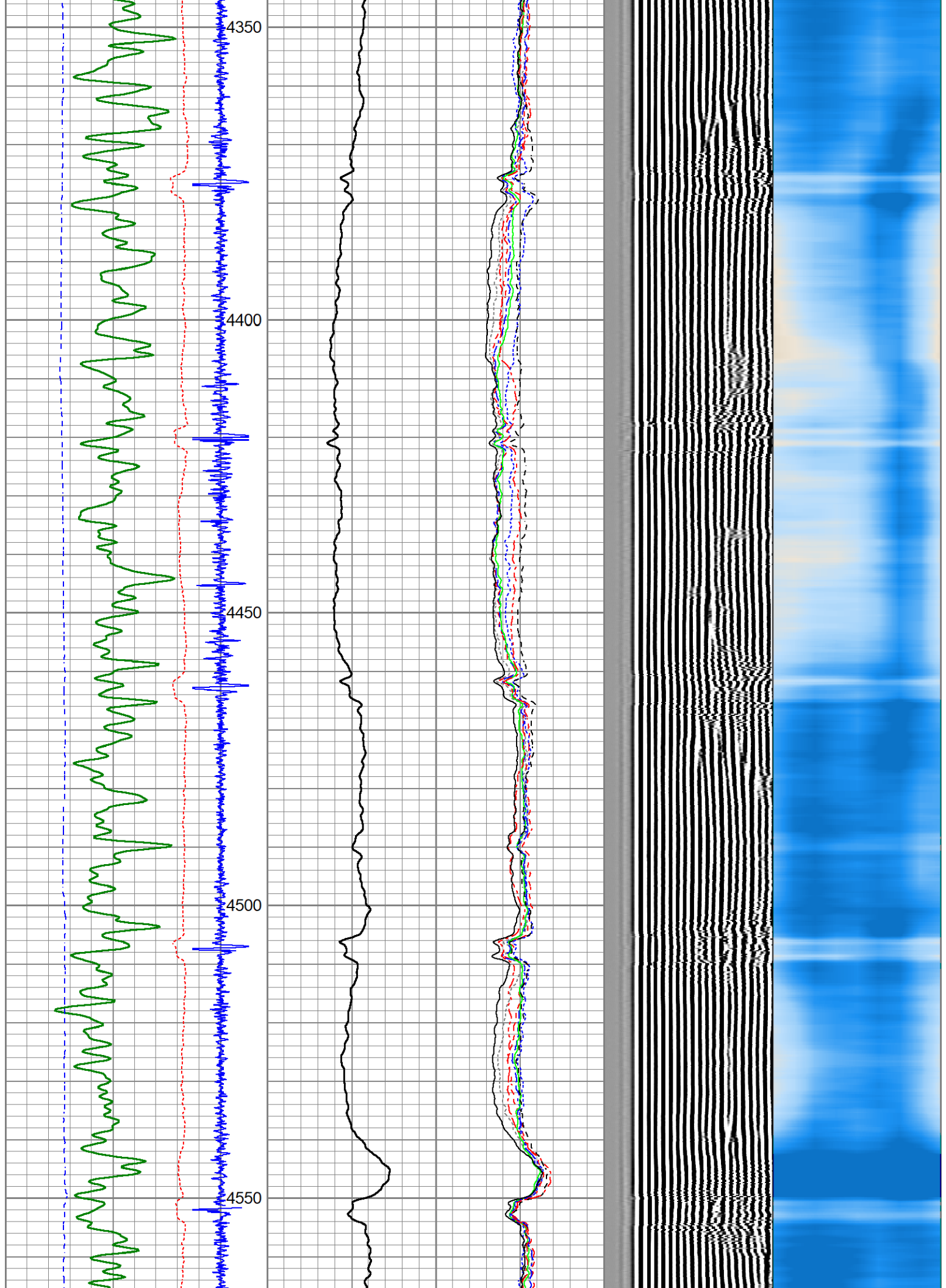


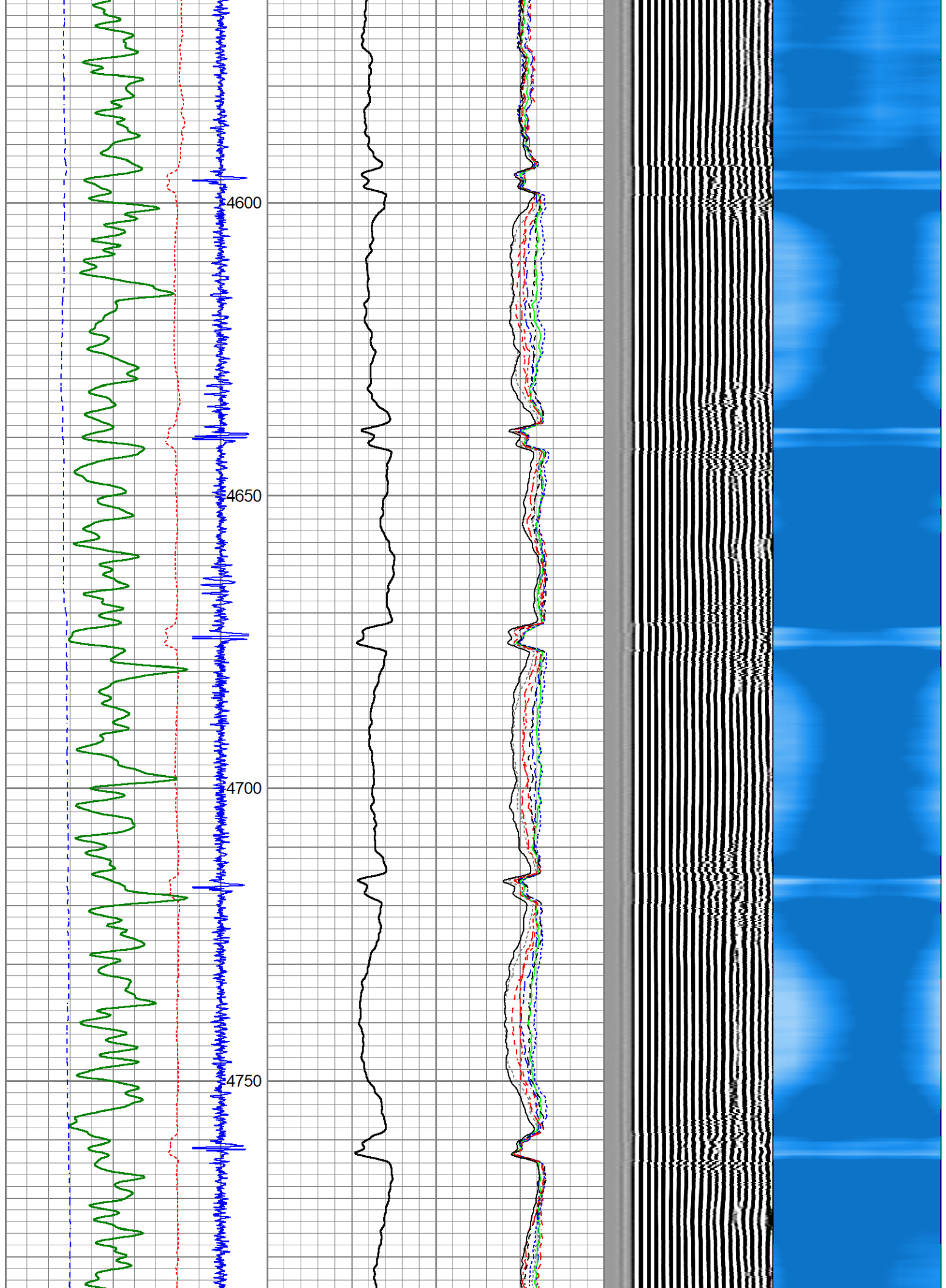


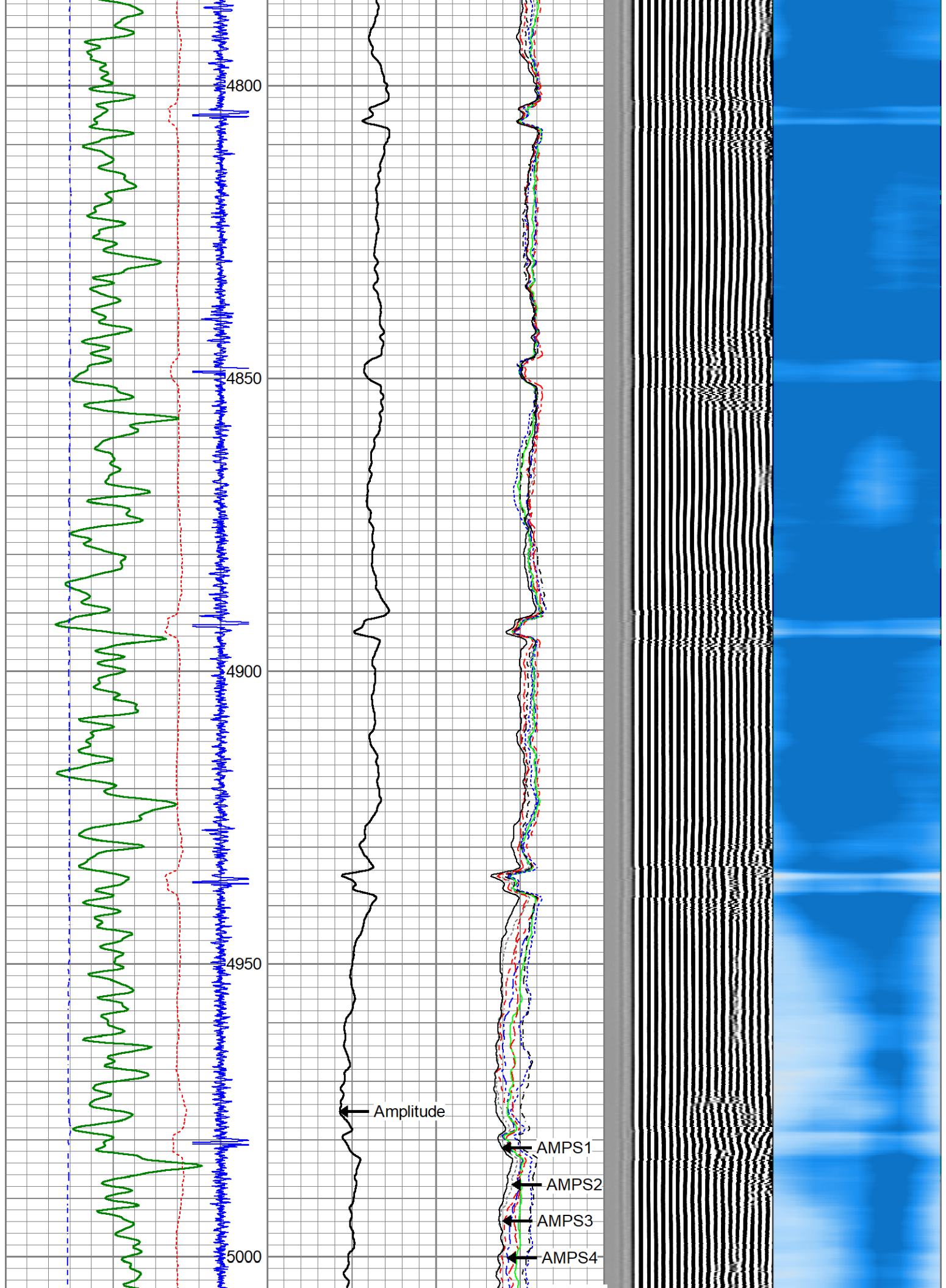




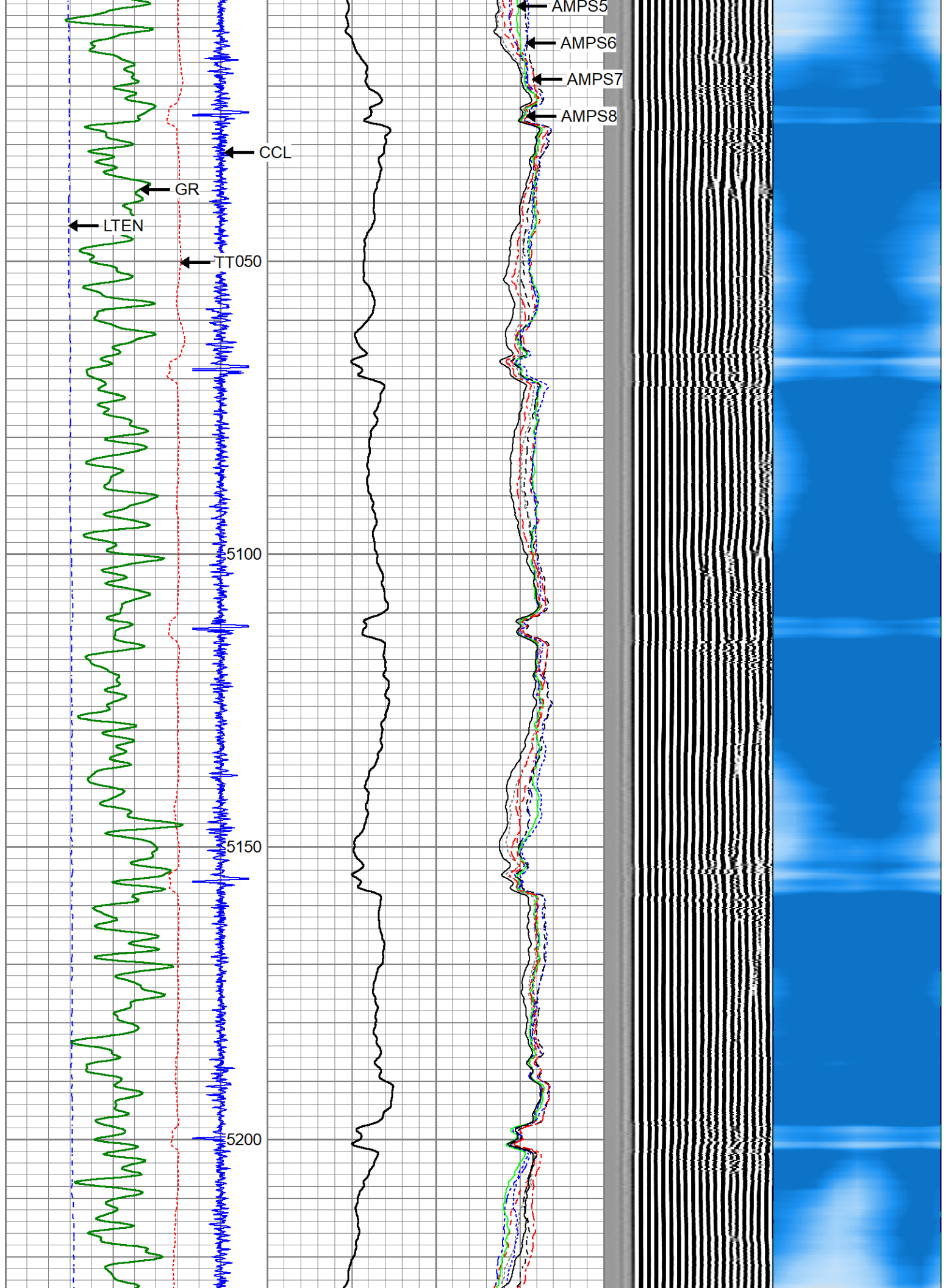


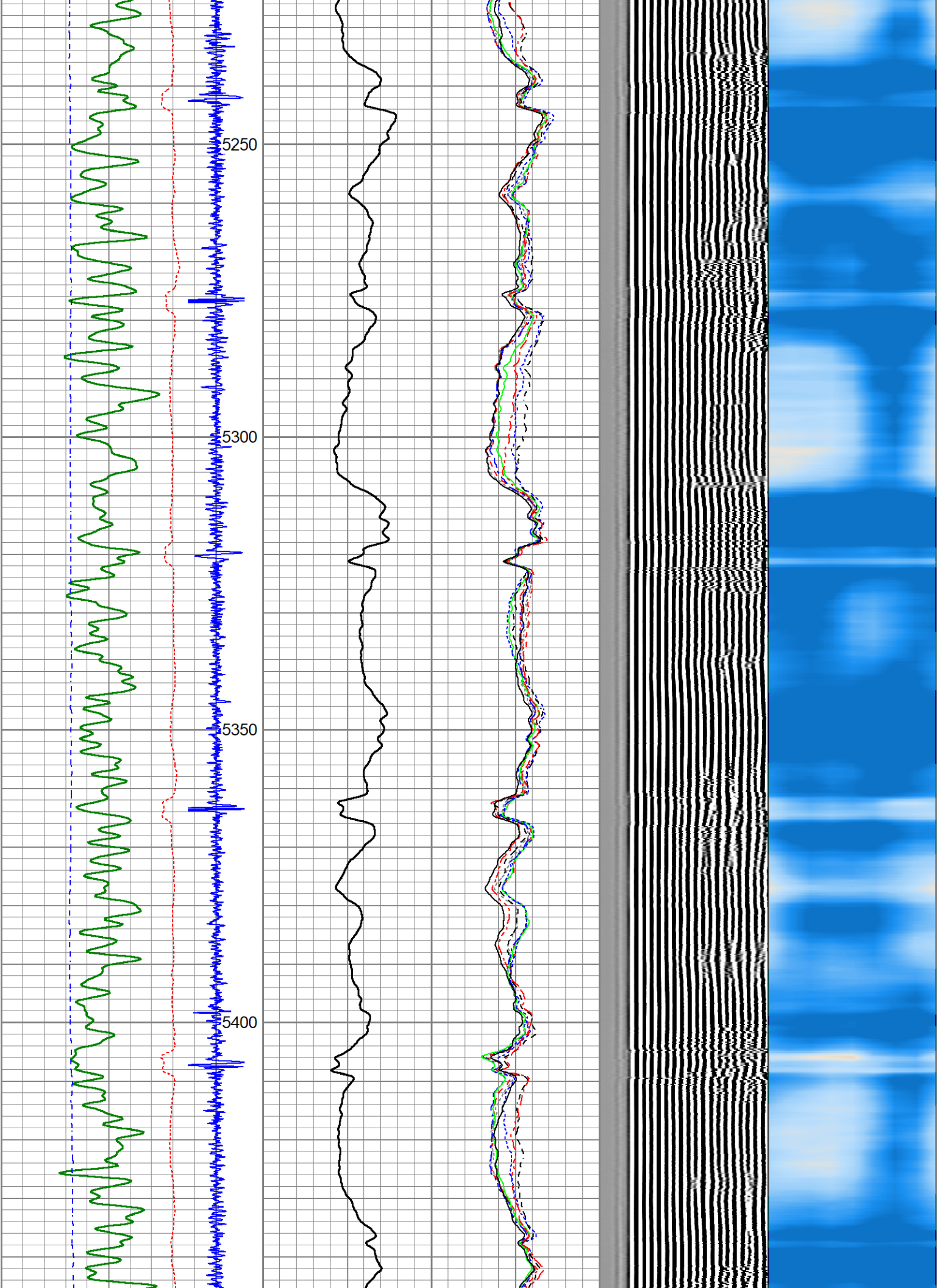


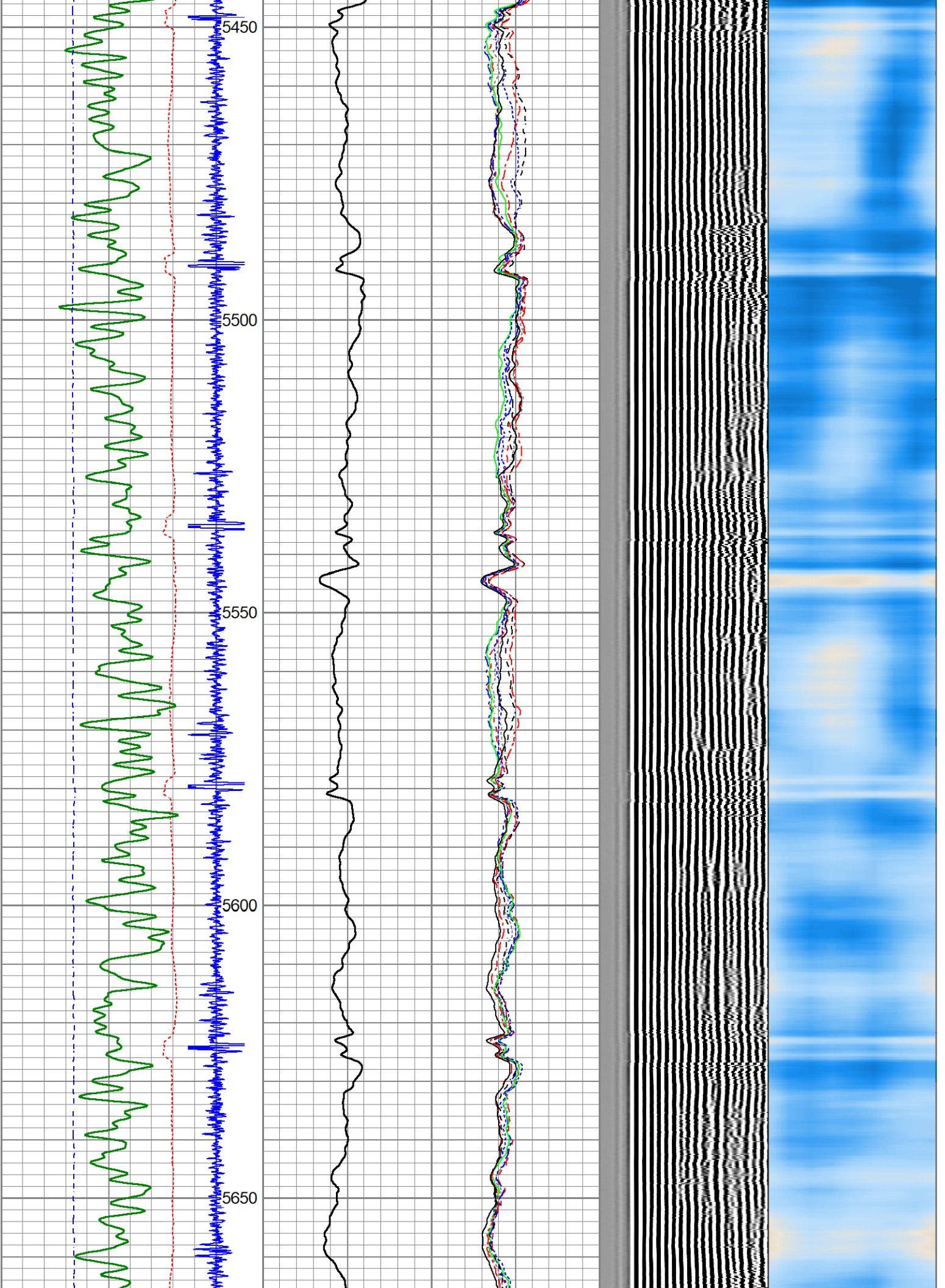




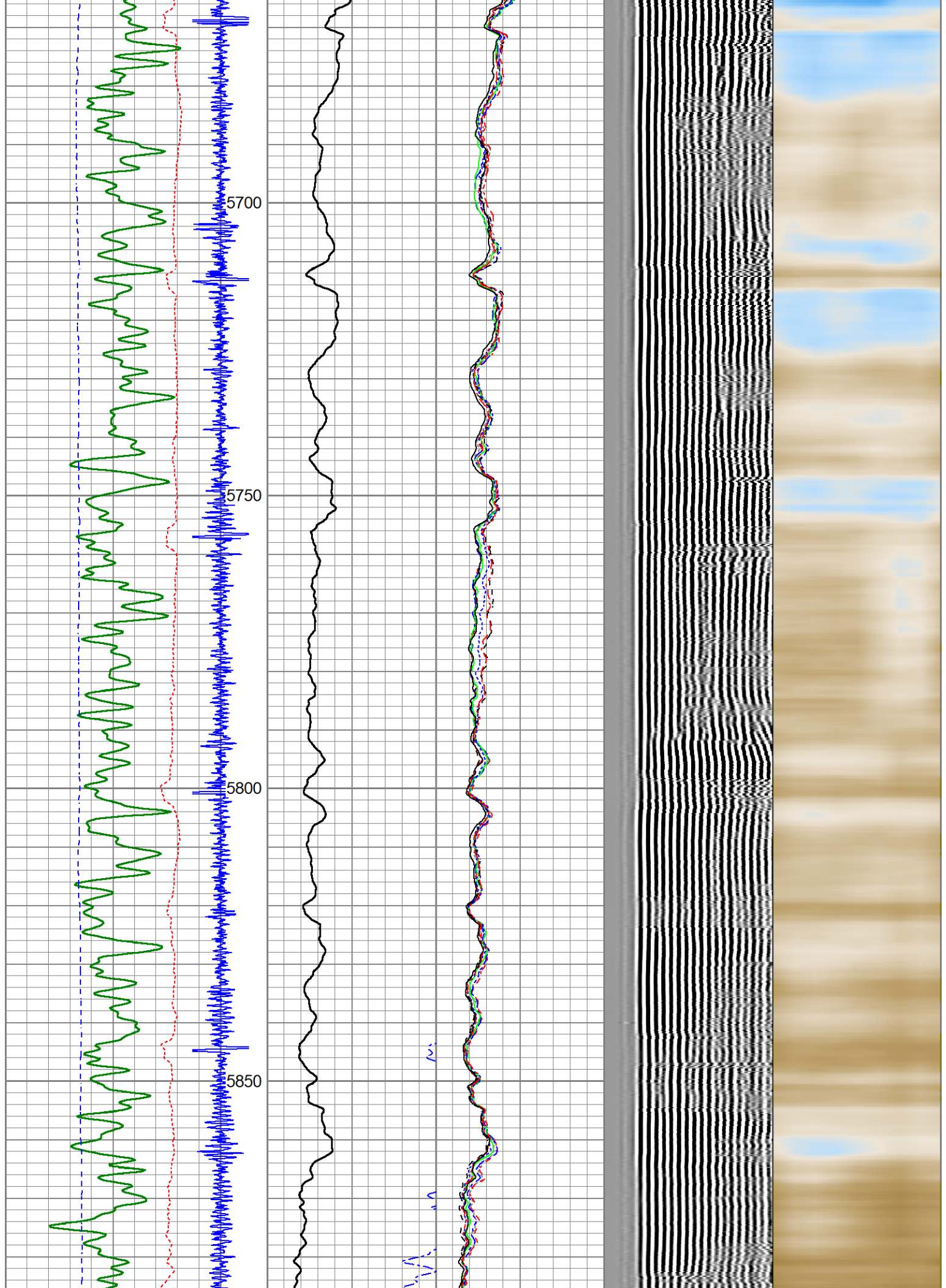




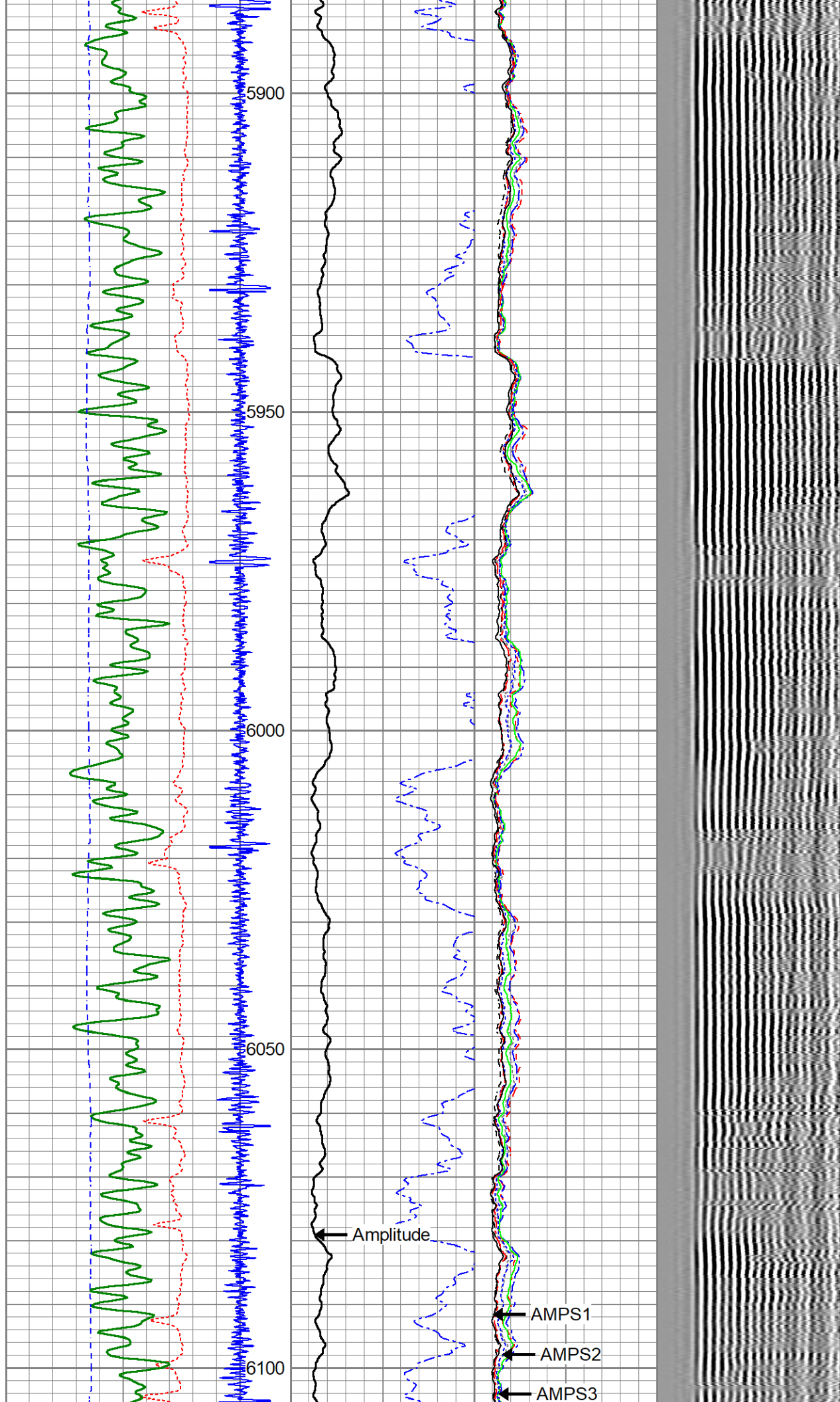


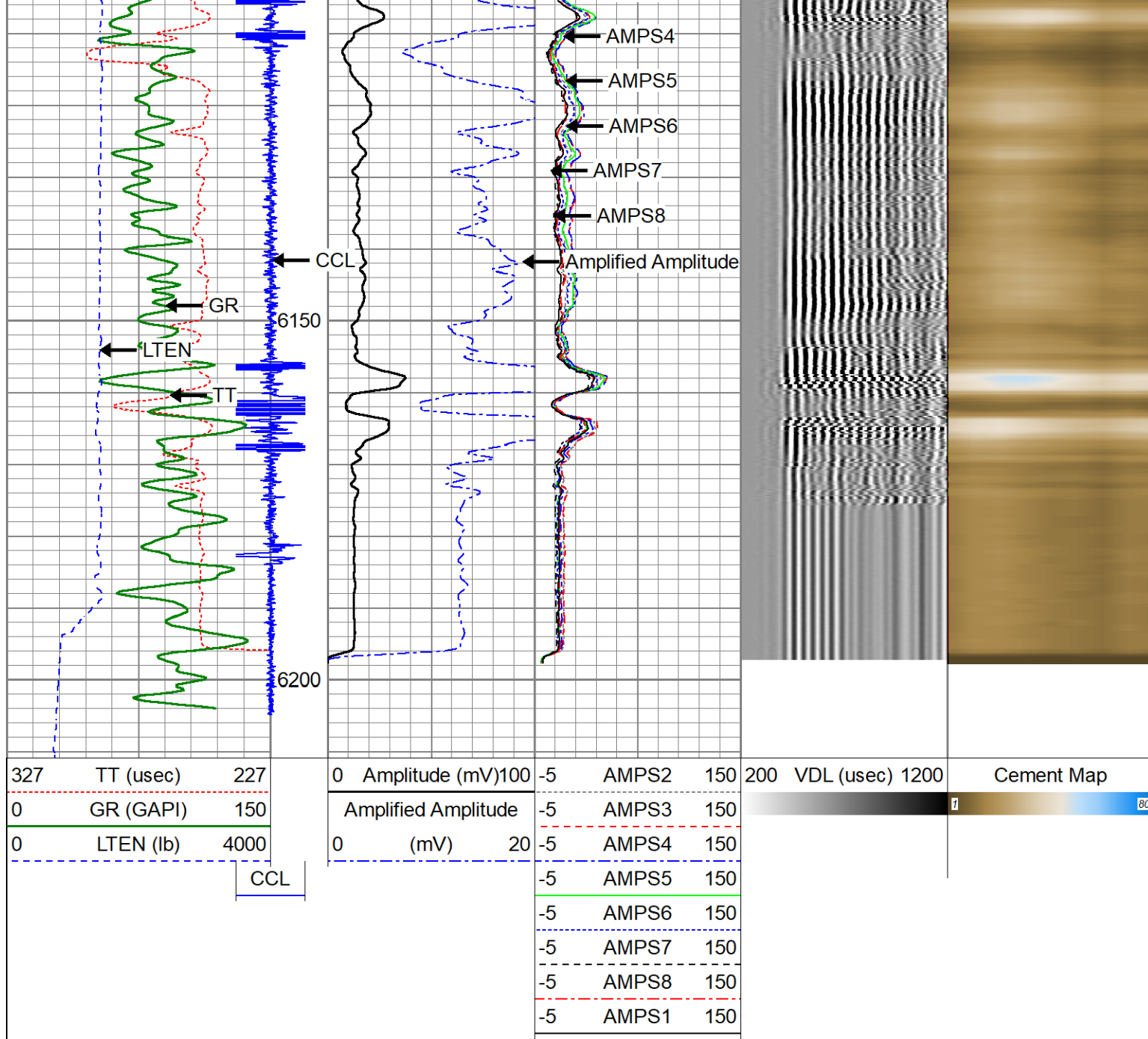






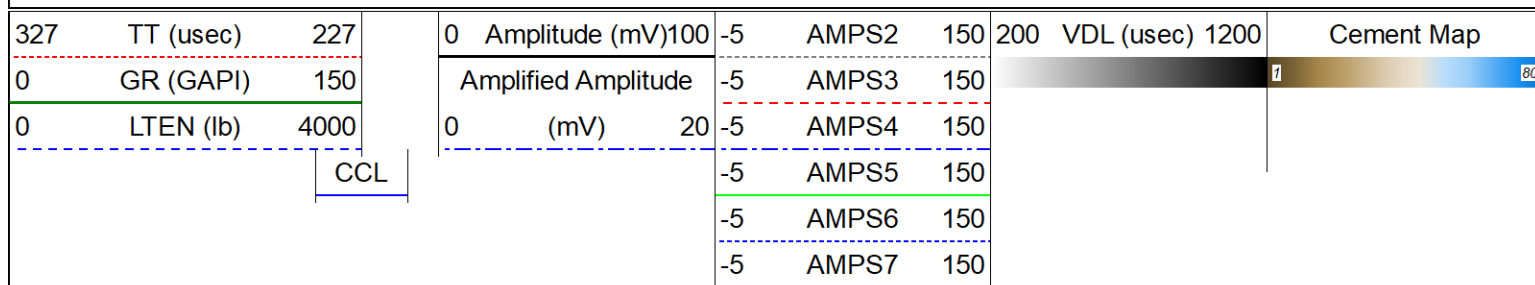




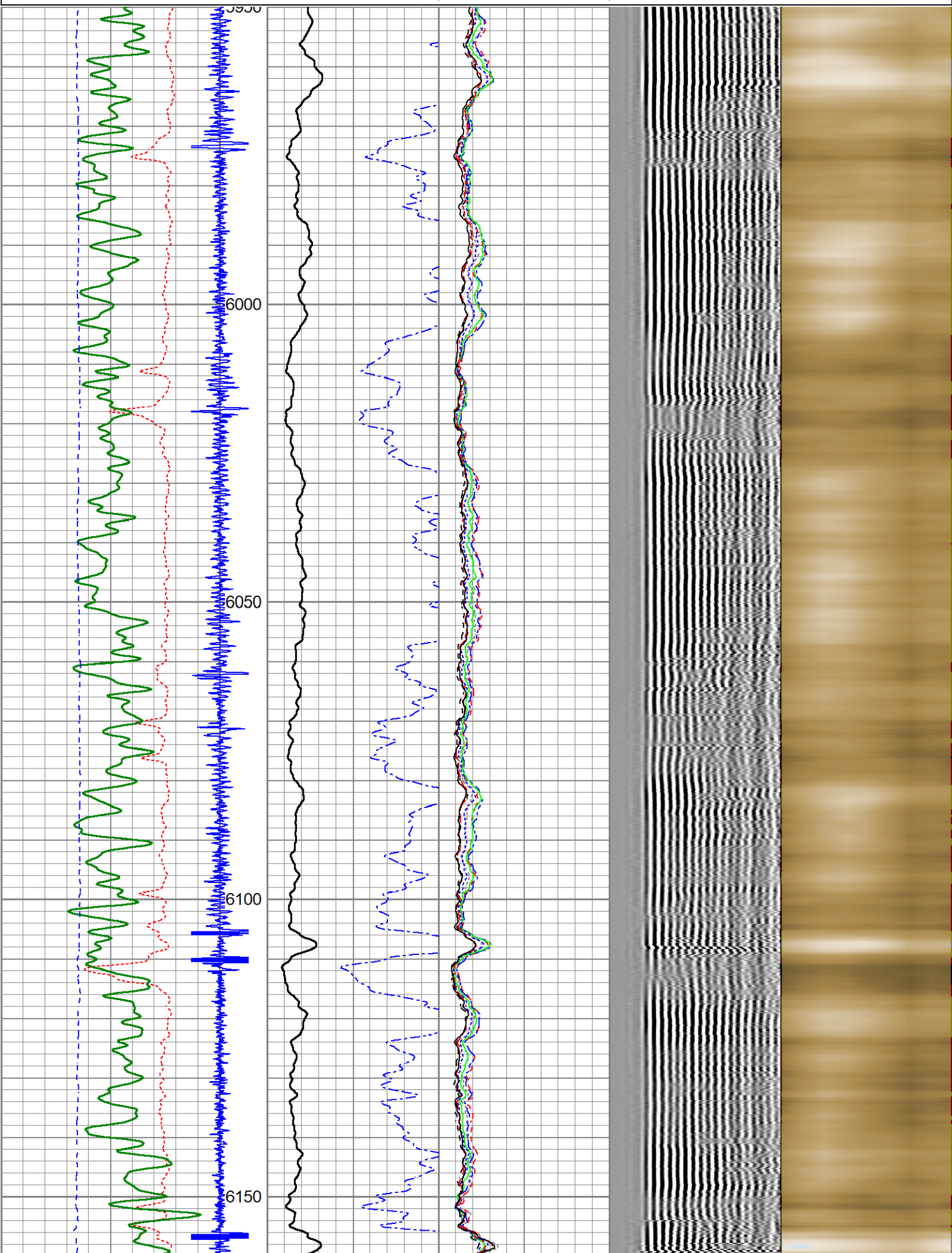


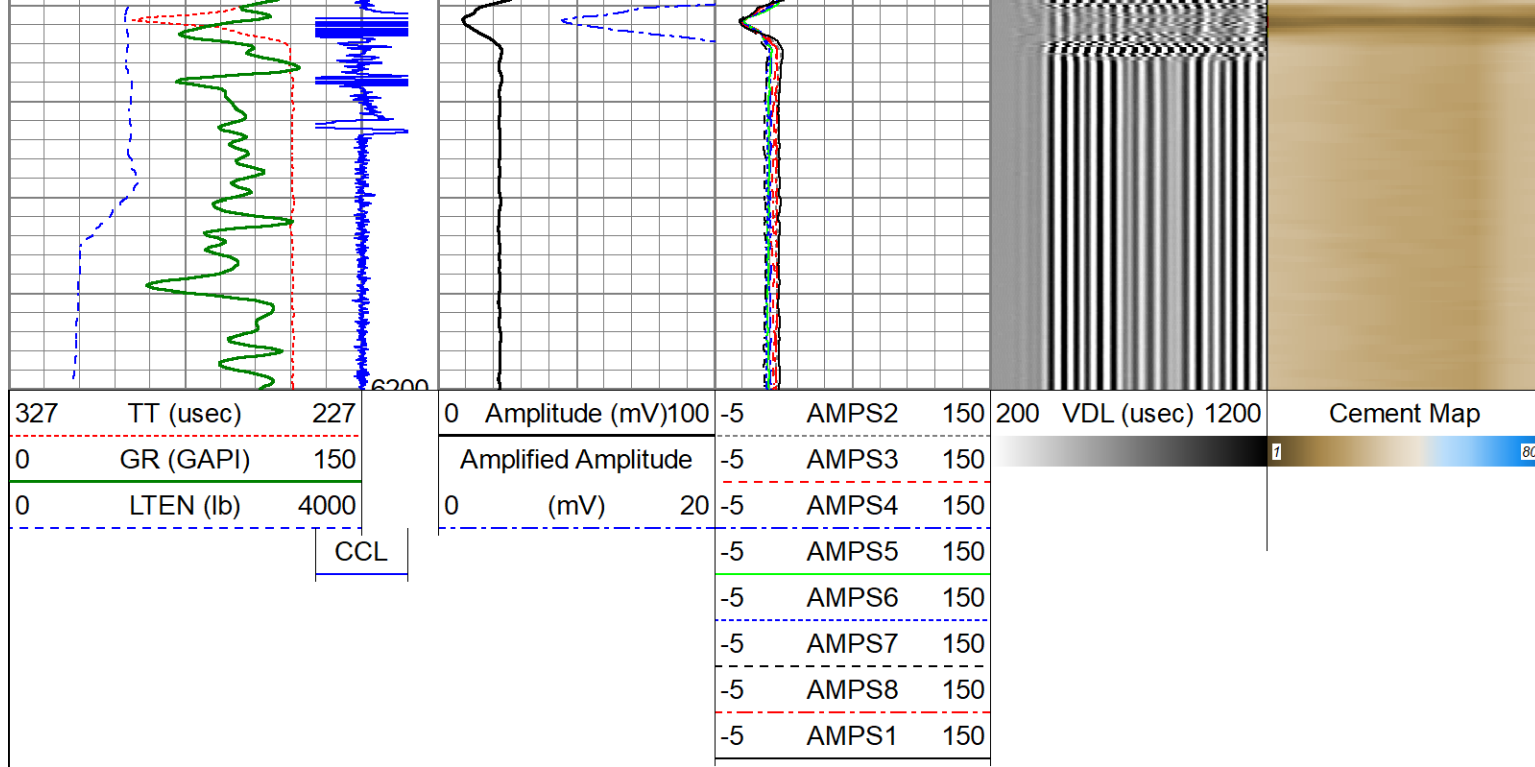
## REPEAT PASS

Database File hp\_rsunsfed\_04-62-02-4841cn\_cbl\_11oct2018.db  
 Dataset Pathname pass6  
 Presentation Format scbl5\_5  
 Dataset Creation Thu Oct 11 10:20:39 2018  
 Charted by Depth in Feet scaled 1:240



-5	AMPS8	150
-5	AMPS1	150





### Calibration Report

Database File hp\_rsunsfed\_04-62-02-4841cn\_cbl\_11oct2018.db  
 Dataset Pathname pass7  
 Dataset Creation Thu Oct 11 10:27:26 2018

### Gamma Ray Calibration Report

Serial Number: FW 1805-028  
 Tool Model: 10227Digital  
 Performed: (Not Performed)

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps  
 Calibrator Reading: 1.0 cps

Sensitivity: 1.0000 GAPI/cps

### Temperature Calibration Report

Serial Number: FW 1805-028  
 Tool Model: 10227Digital  
 Performed: (Not Performed)

	Reference	Reading
Low Reference:	0.00 degF	0.00 degF
High Reference:	1.00 degF	1.00 degF

Gain: 1.00  
 Offset: 0.00  
 Delta Spacing 1

### Segmented Cement Bond Log Calibration Report

Serial Number: FW 1804-082  
 Tool Model: 10627

Calibration Casing Diameter: 4.500 in  
 Calibration Depth: 2134.192 ft



Master Calibration, performed Thu Oct 11 09:53:16 2018:

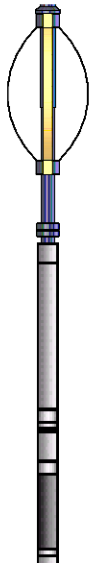
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.008	0.478	1.000	81.196	170.703	-0.329
CAL	0.012	0.780				
5'	0.021	0.398	1.000	81.196	212.315	-3.354
SUM						
S1	0.004	0.487	1.800	100.000	203.350	0.944
S2	0.007	0.471	1.800	100.000	211.643	0.389
S3	0.007	0.456	1.800	100.000	218.846	0.272
S4	0.007	0.451	1.800	100.000	221.162	0.245
S5	0.009	0.452	1.800	100.000	221.998	-0.246
S6	0.007	0.488	1.800	100.000	204.259	0.366
S7	0.005	0.529	1.800	100.000	187.335	0.821
S8	0.007	0.543	1.800	100.000	183.218	0.447

Internal Reference Calibration, performed Fri Jul 20 08:35:42 2018:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.012	0.780	1.000	0.000

Air Zero Calibration, performed Thu Jul 26 10:13:44 2018:

	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	

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CENT-PTS275	2.83	2.75	24.00

WVFS8	15.12		RBT-10627 (FW 1804-082) (10627) Probe Radii Bond Tool with Digital Telemetry	8.75	2.75	90.00
WVFS7	15.12					
WVFS6	15.12					
WVFS5	15.12					
WVFS4	15.12					
WVFS3	15.12					
WVFS2	15.12					
WVFS1	15.12					
WVFCAL	15.12					
WVF3FT	15.12					
WVF5FT	14.04					
			CENT-PTS275	2.83	2.75	24.00
CCL TEMP	6.47 6.33					
GR	5.14		GR-10227Digital (FW 1805-028) (10227) Probe 2.75" 4 Channel Digital Gamma Ray	5.13	2.75	30.00
			CENT-PTS275	2.83	2.75	24.00
Dataset: hp_rsuanfed_04-62-02-4841cn_cbl_11oct2018.db: field/well/run1/pass7 Total length: 22.37 ft Total weight: 192.00 lb O.D.: 2.75 in						



Company	HIGHPOINT RESOURCES	
Well	RSU ANS FED 04-62-02-4841CN	
Field	BRIGGS DALE	
County	WELD	
State	COLORADO	Country