



**Cement Bond Log  
Variable Density Log  
W / Gamma Ray / CCL**

Company Carrizo Oil & Gas				Company Carrizo Oil & Gas			
Well Slick Rock # 17-11-7-60				Well Slick Rock # 17-11-7-60			
Field Niobrara Shale				Field Niobrara Shale			
County Weld				County Weld			
State CO				State CO			
Location:				API # : N/A			
SEC NA TWP NA RGE Na				N/A			
Permanent Datum				Ground Level			
Log Measured From				Kelly Bushing			
Drilling Measured From				Kelly Bushing			
Date				27-September-2012			
Run Number				One			
Depth Driller				N/A			
Depth Logger				6502'			
Bottom Logged Interval				6499'			
Top Log Interval				Surface			
Open Hole Size				6.125"			
Type Fluid				Fresh Water			
Density / Viscosity				-			
Max. Recorded Temp.				N/A			
Estimated Cement Top				400'			
Time Well Ready				0900			
Time Logger on Bottom				1000			
Equipment Number				Truck # 12029			
Location				Brighton, CO			
Recorded By				R. Grissom			
Witnessed By				K. Williams			
Run Number				Borehole Record			
Bit				From			
To				Size			
Weight				Tubing Record			
From				To			
Casing Record				Size			
Surface String				Wgt/Ft			
Top				Bottom			
Prot. String				7"			
Production String				36#			
Liner				4.5"			
Short Joint				3450' - 3461'			
6356' - 6369'				K.B. N/A			
				D.F. N/A			
				G.L. N/A			

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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

Legal Description Not Available

Casing Record Not Available

Your Crew for today: C.Medina, C, Rall, D. Meurer & B. Monroe

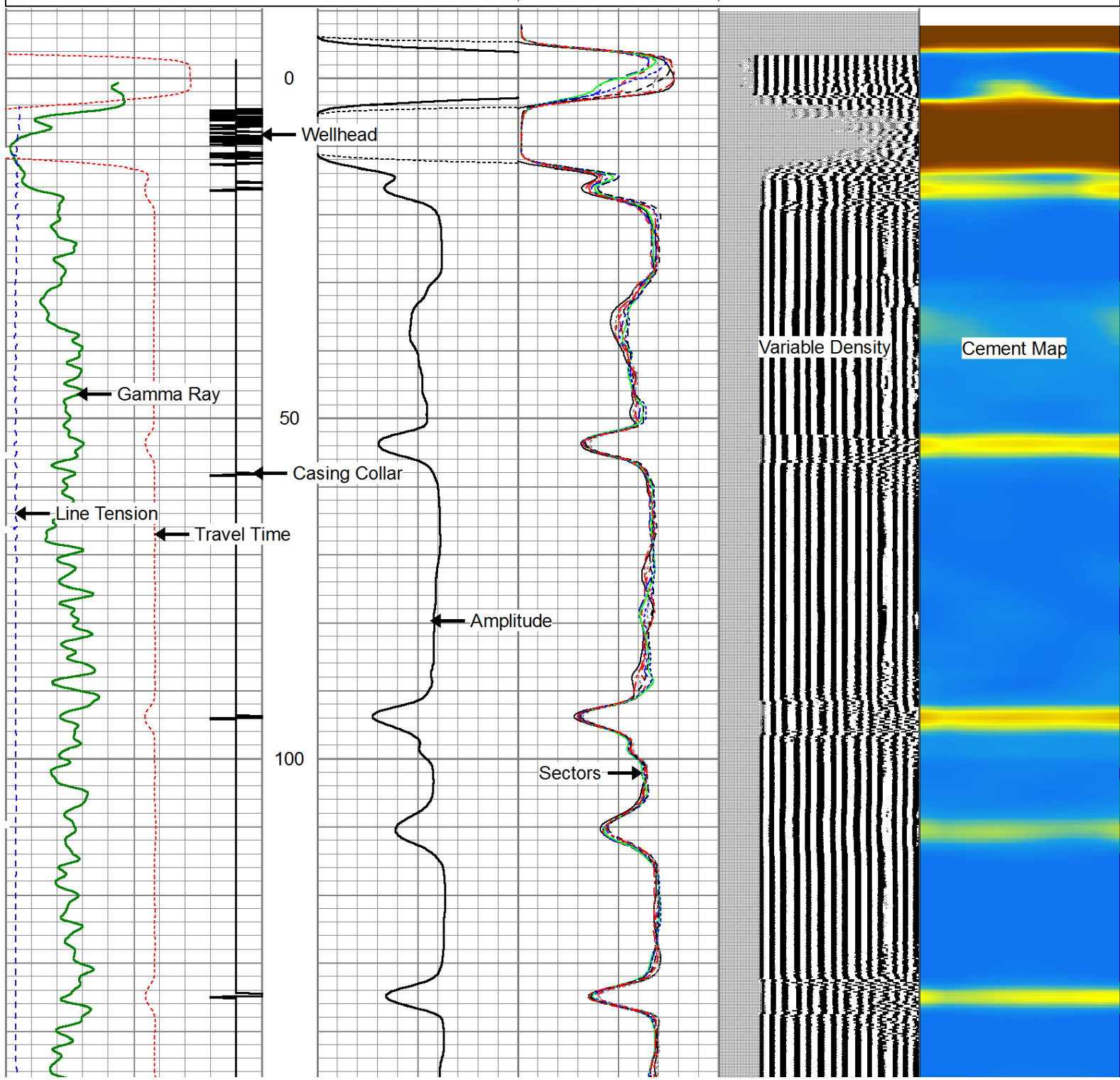
Thank You for Using Allied Wireline Services!!!!  
303.659.4609

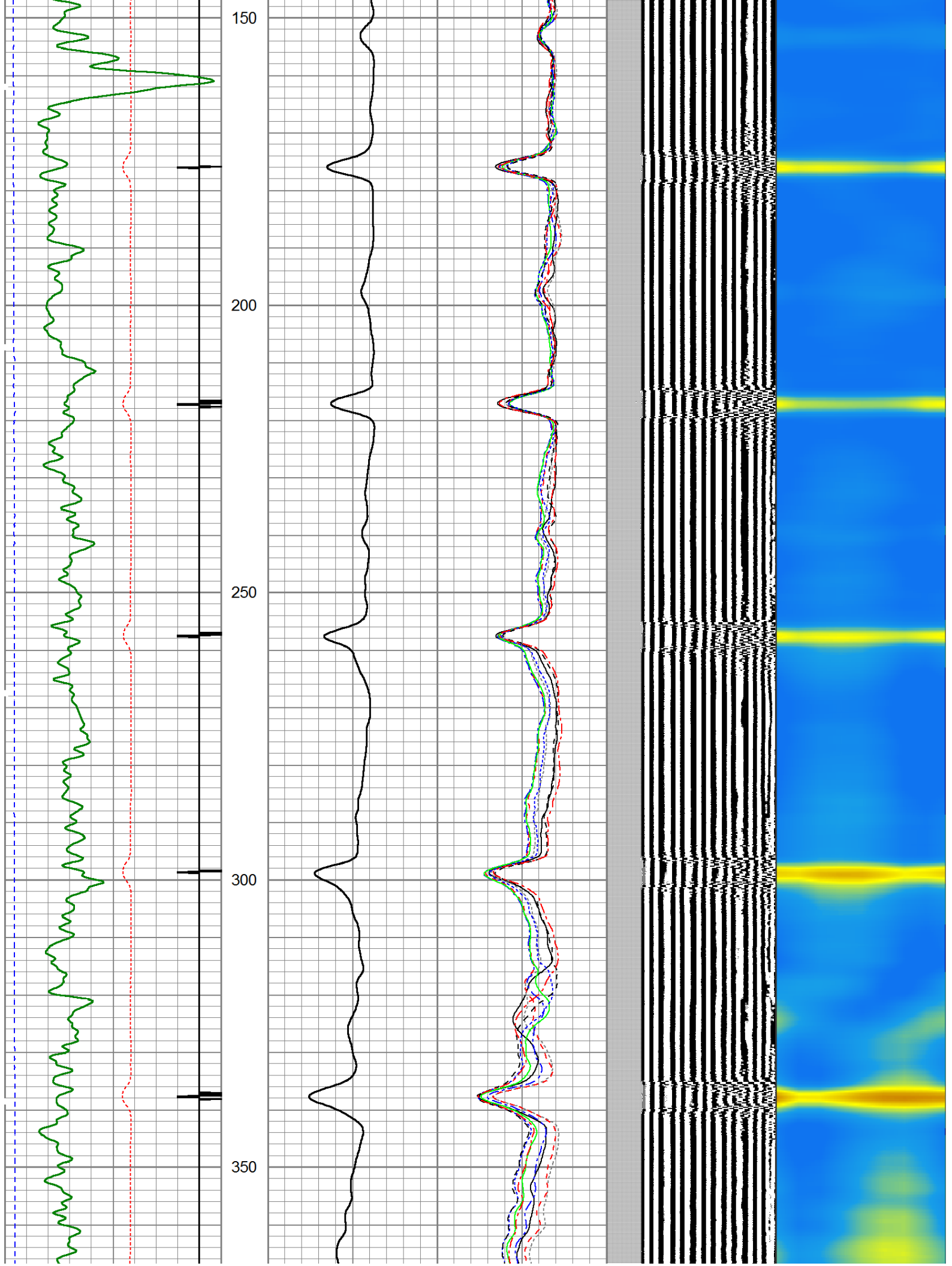


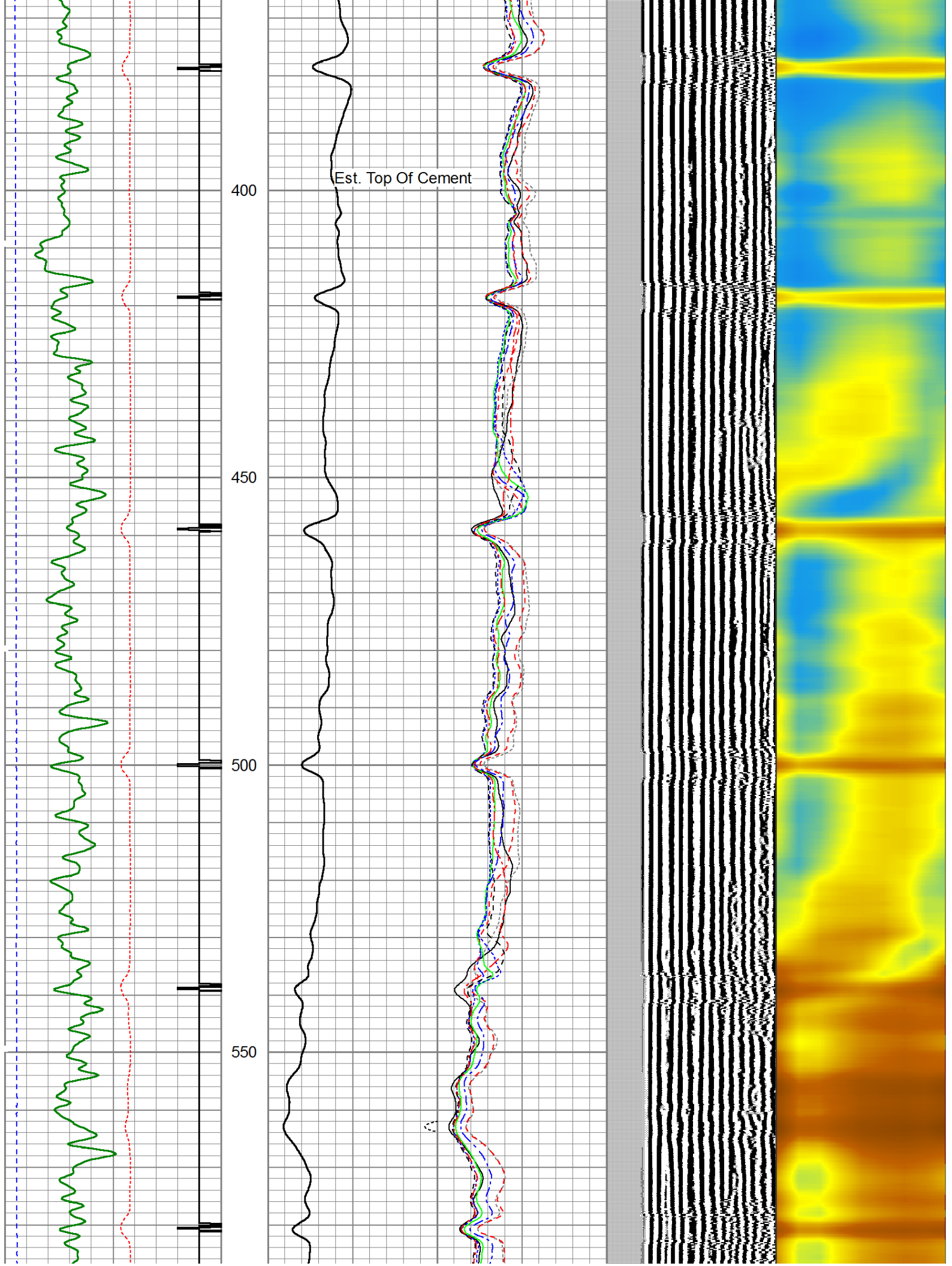
**Main Pass ( 1000 PSI )**

Database File: carrizo\_slickrock\_17\_11\_7\_60.db  
Dataset Pathname: pass23  
Presentation Format: scbl03  
Dataset Creation: Thu Sep 27 12:19:55 2012 by Log SCH 120126  
Charted by: Depth in Feet scaled 1:240

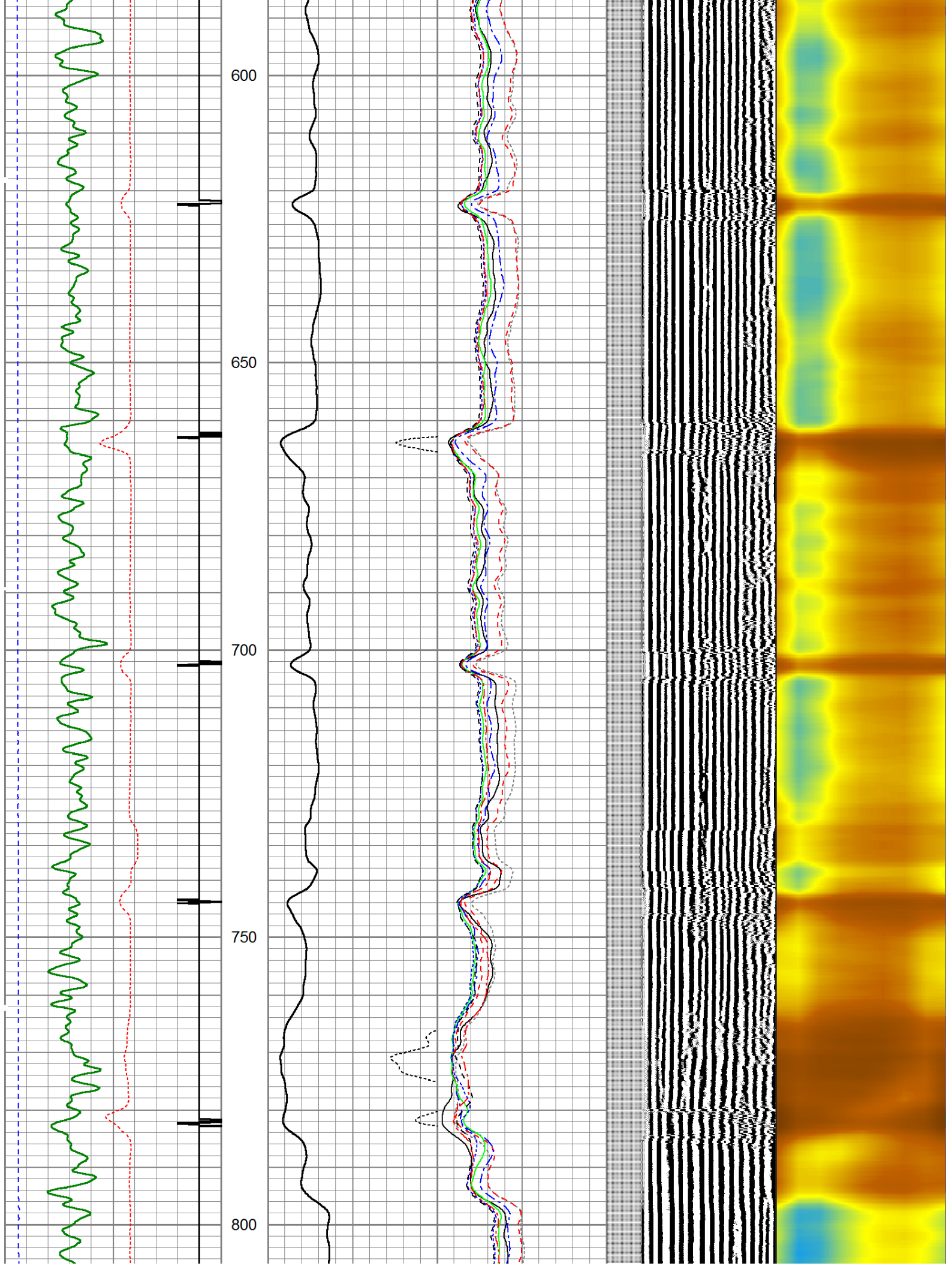
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9	Casing Collar	-1		Amplified Amplitude		-5	AMPS2	150	200	1200	0	100
0	Gamma Ray (GAPI)	150	0	(mV)	10	-5	AMPS3	150				
0	Line Tension (lb)	5000				-5	AMPS4	150				
						-5	AMPS5	150				
						-5	AMPS6	150				
						-5	AMPS7	150				
						-5	AMPS8	150				

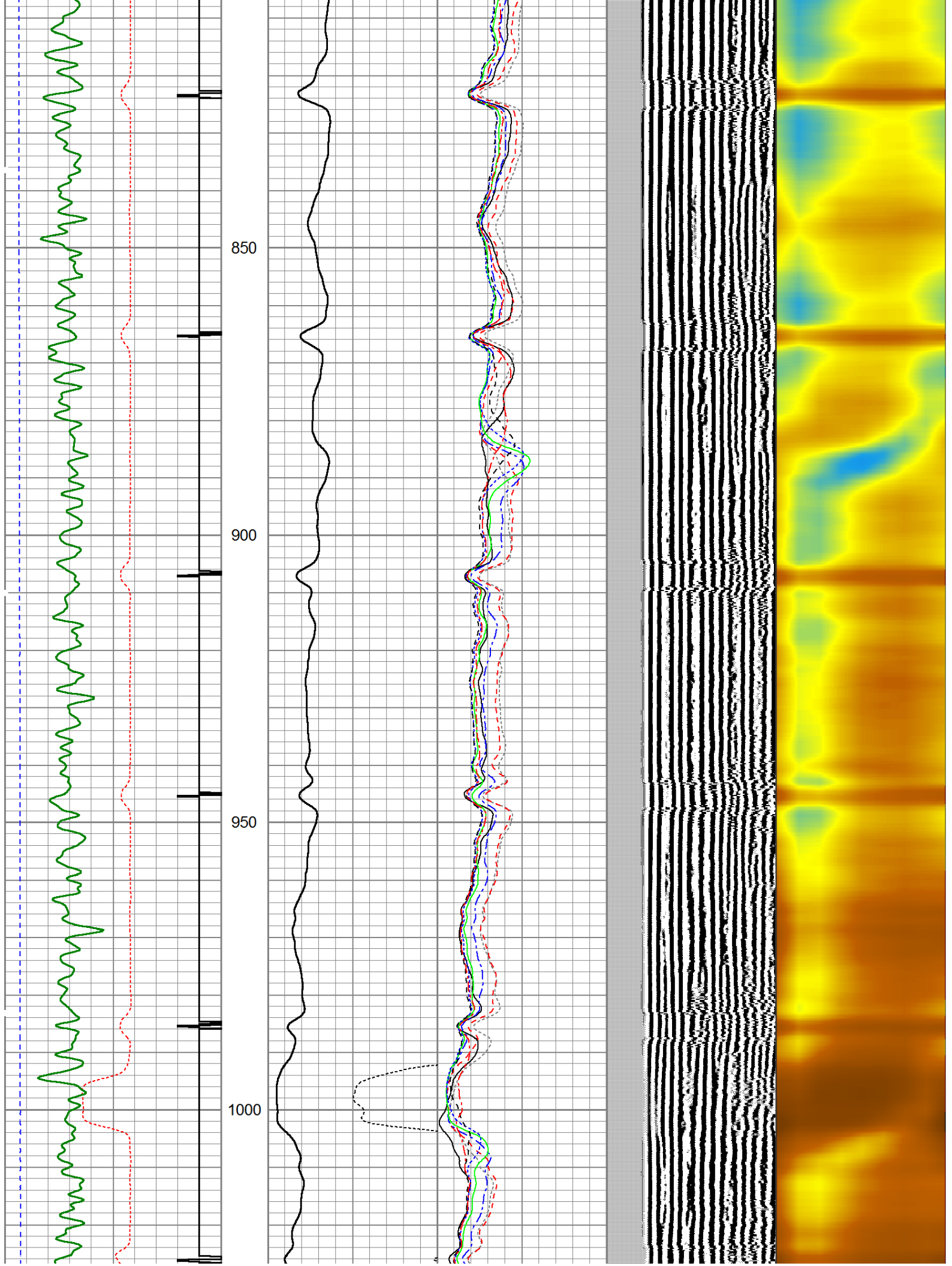


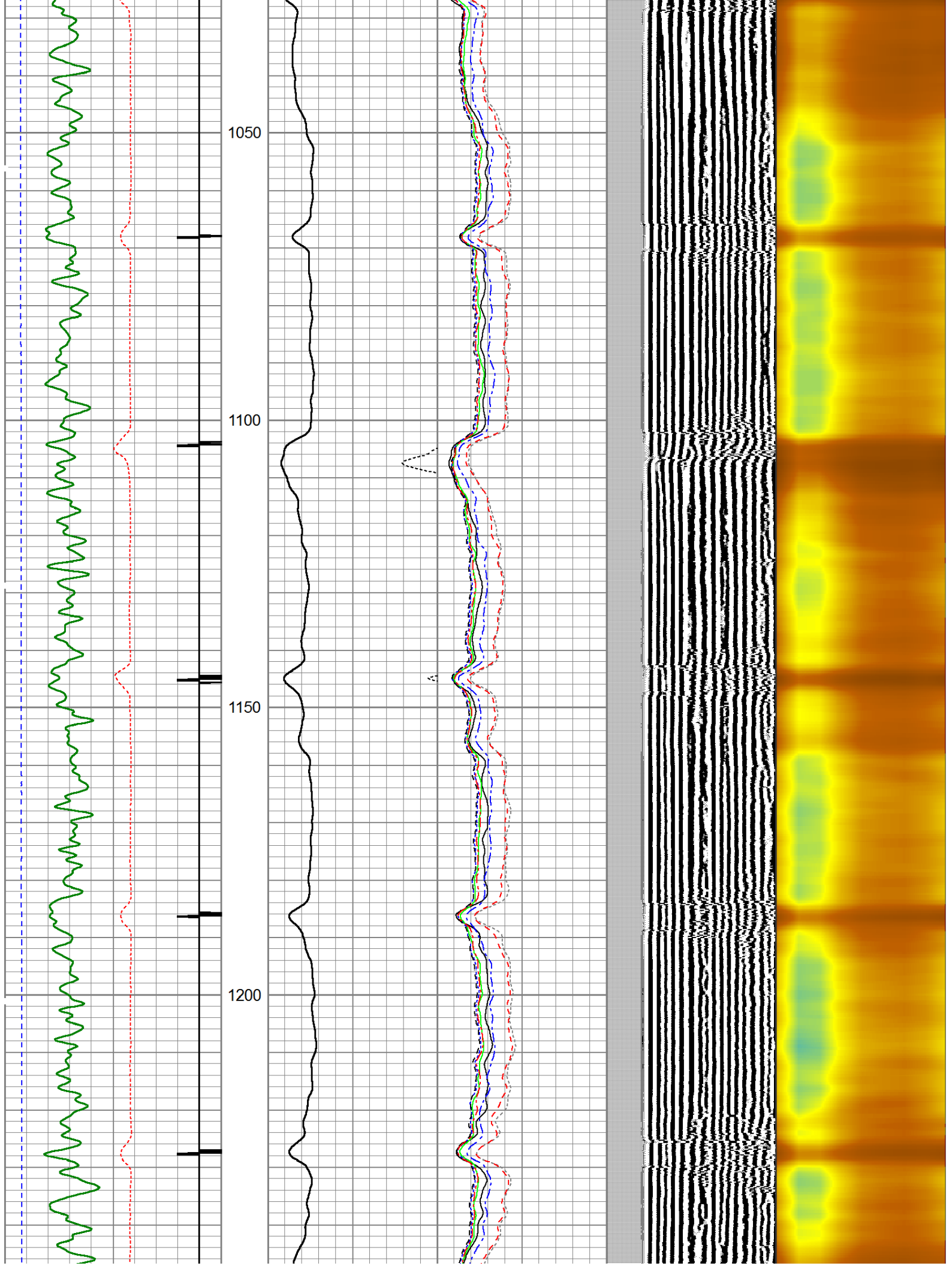




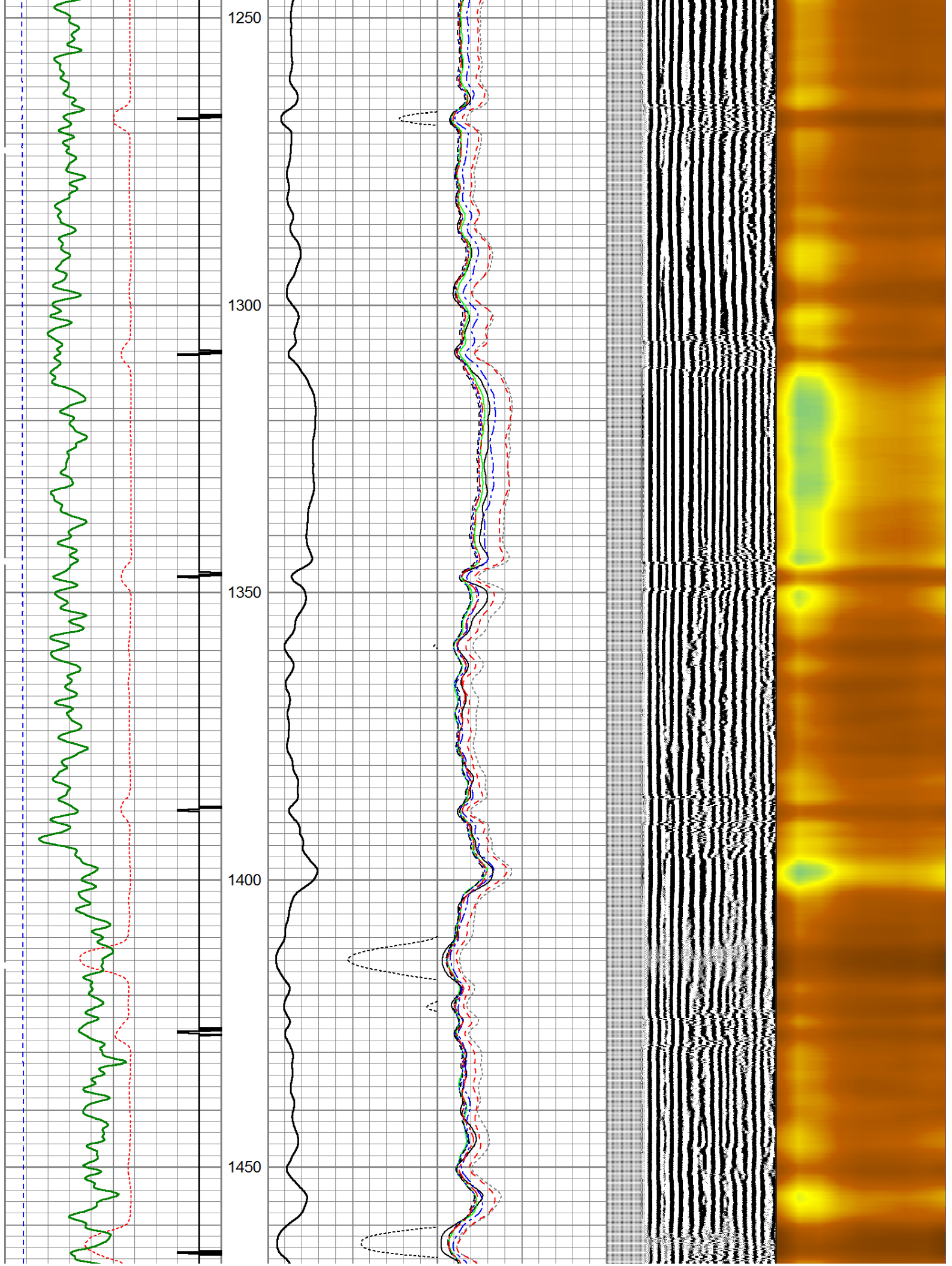




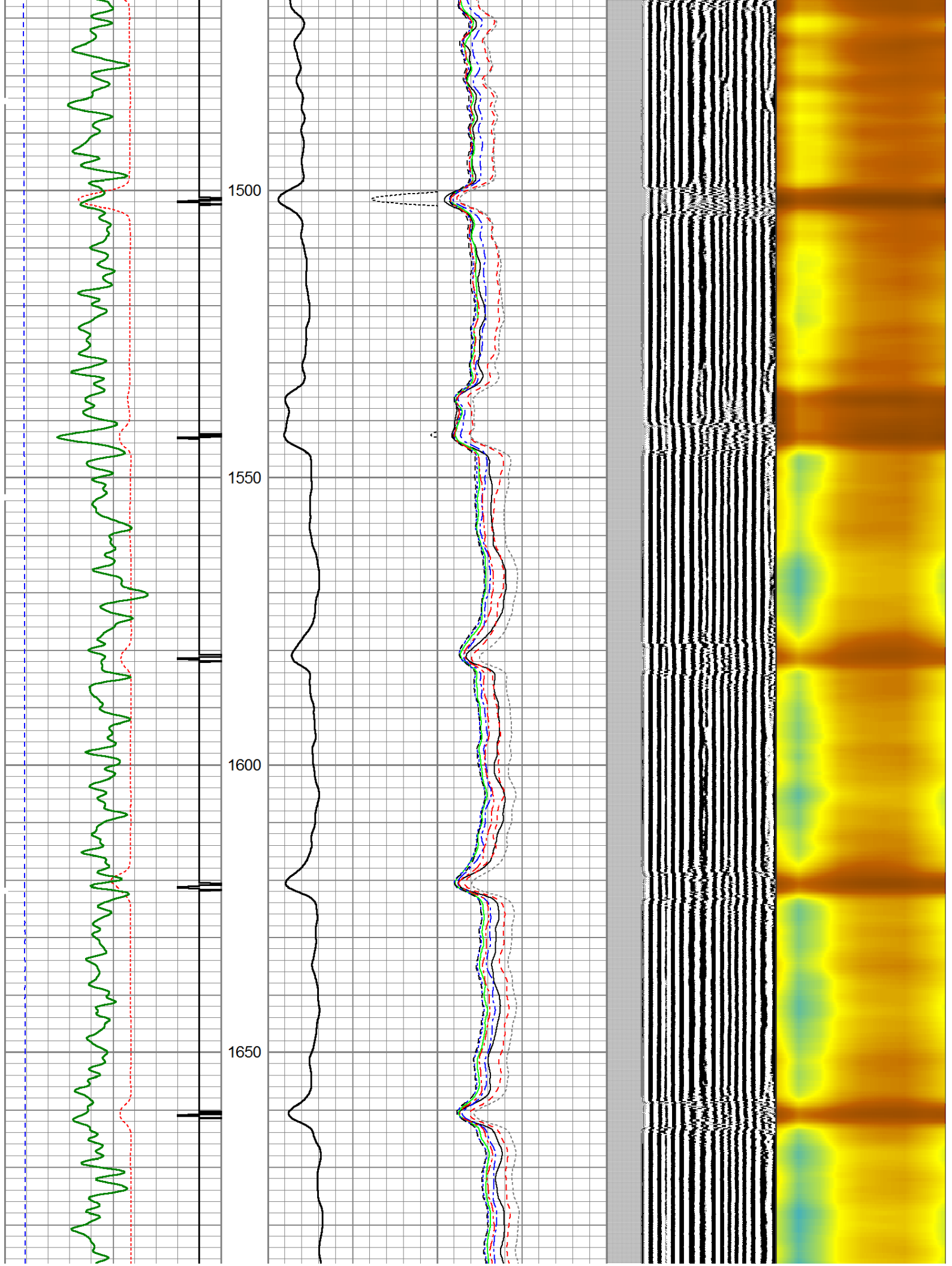


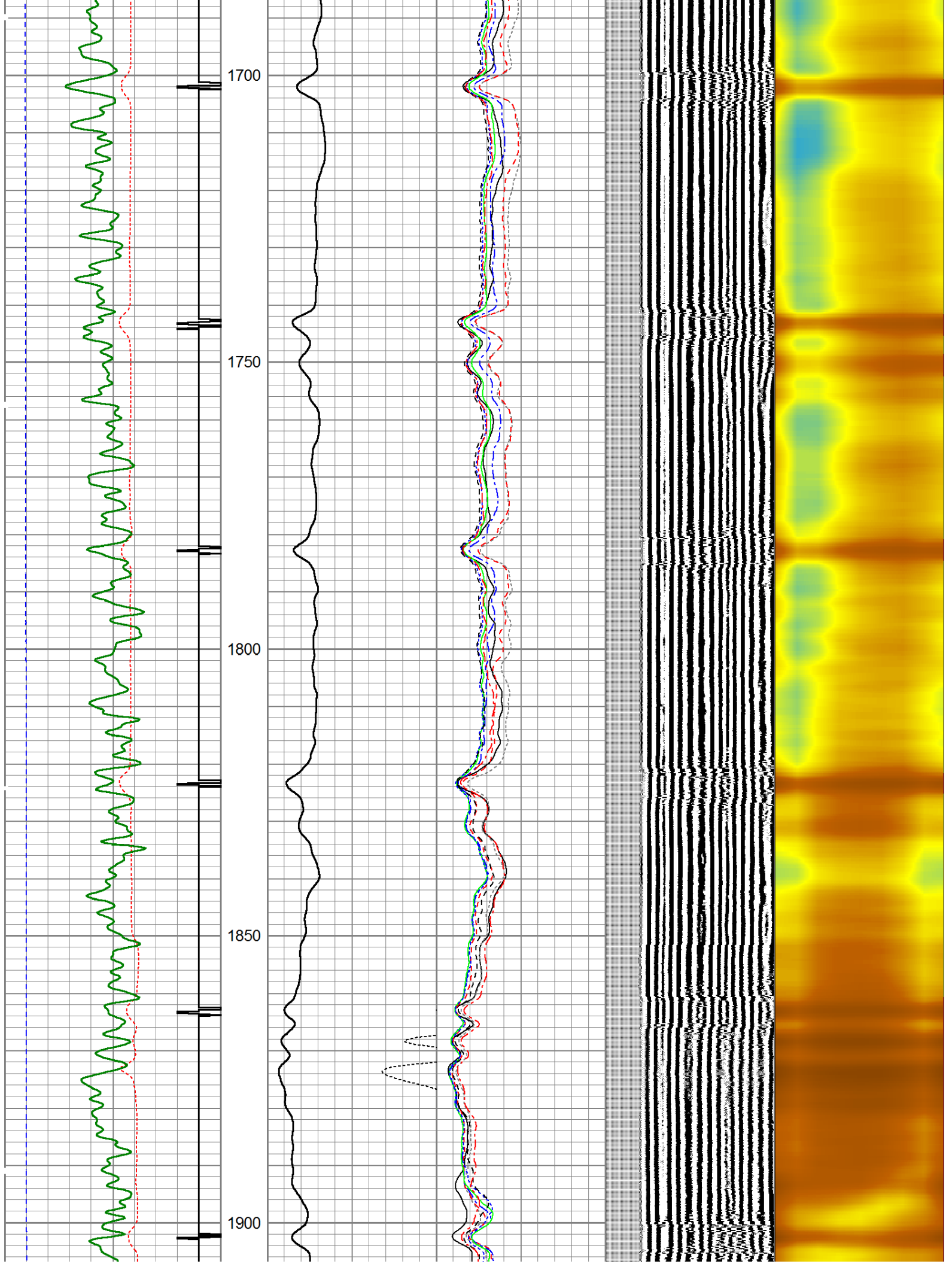


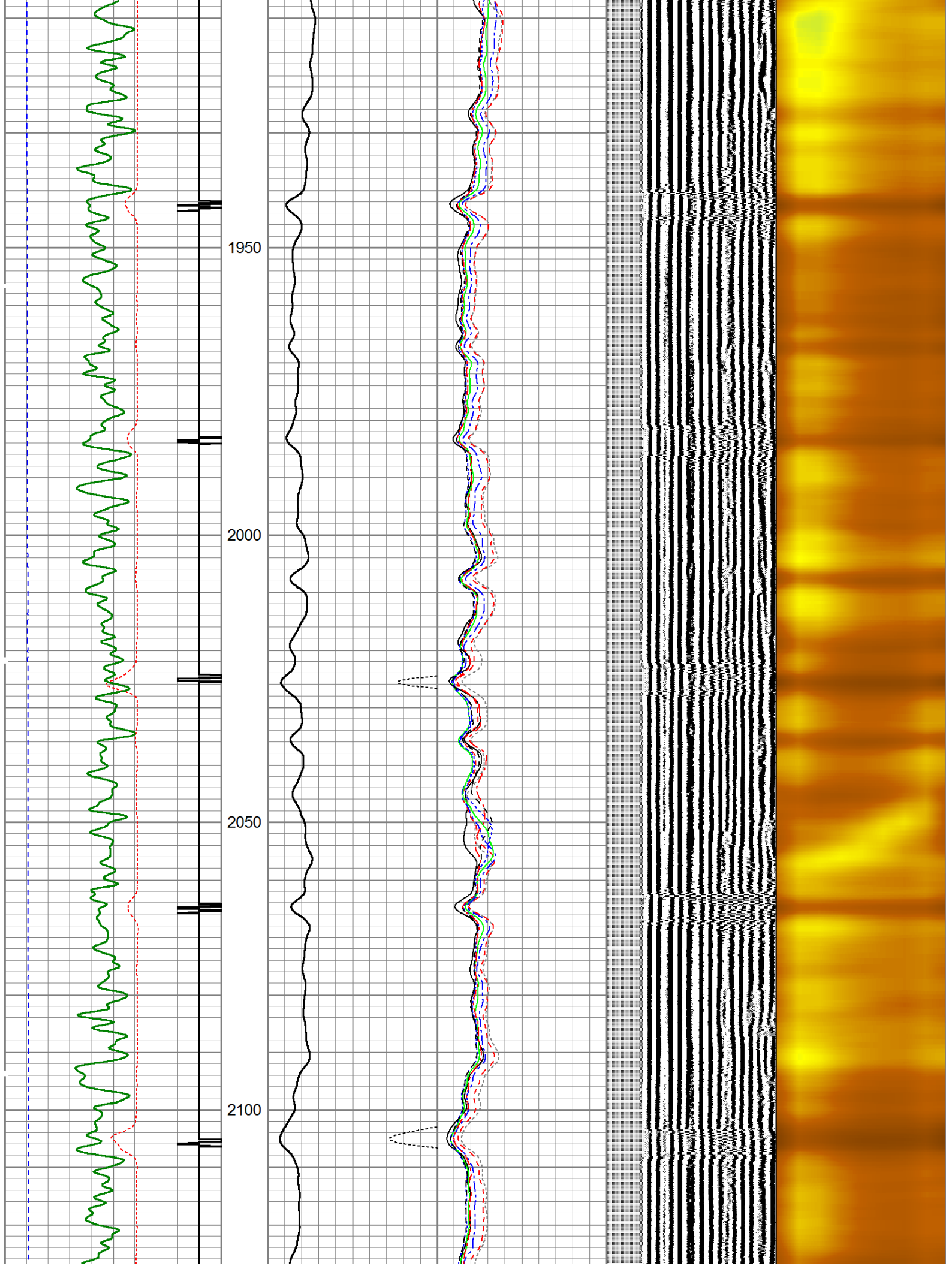




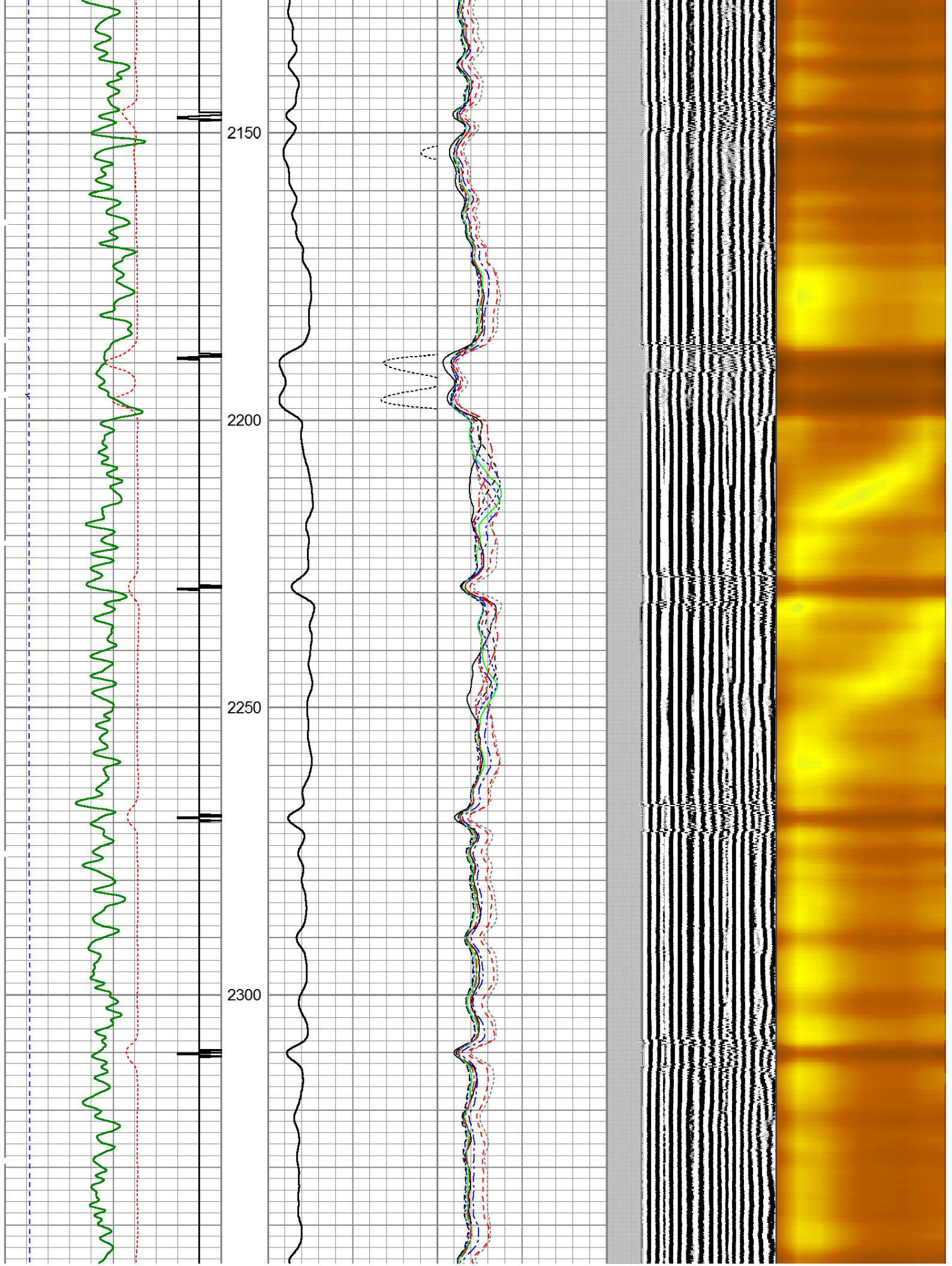


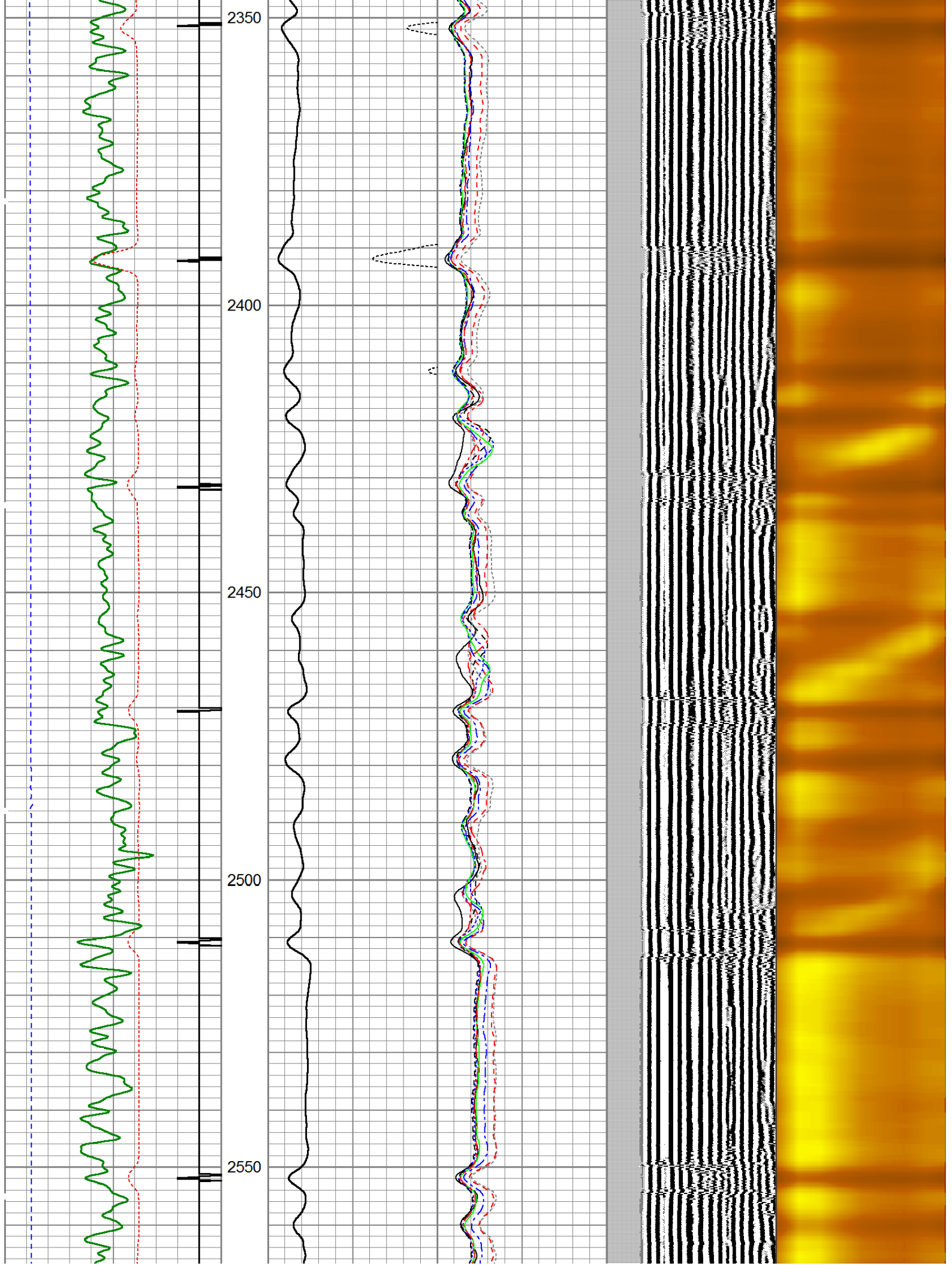


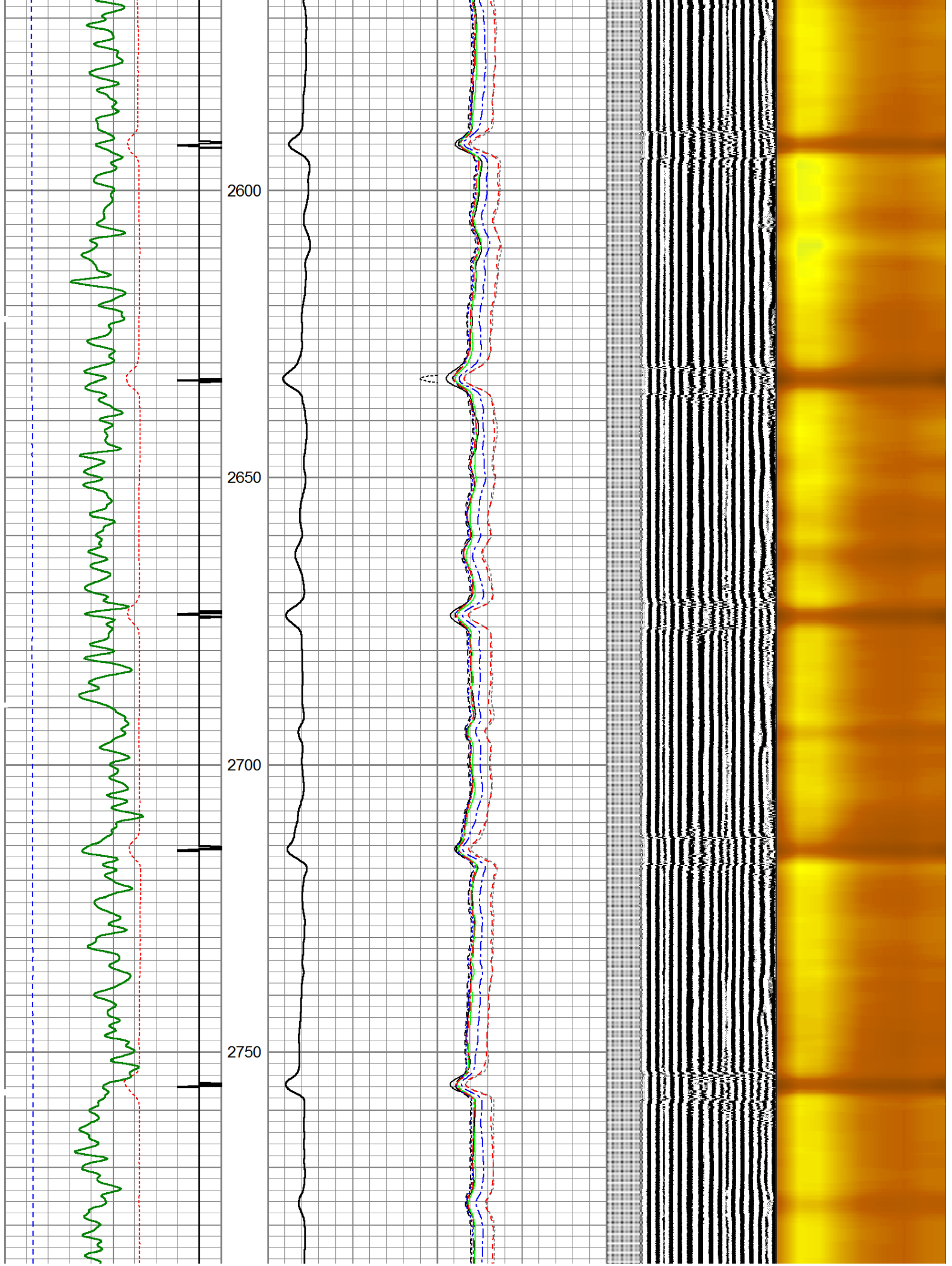




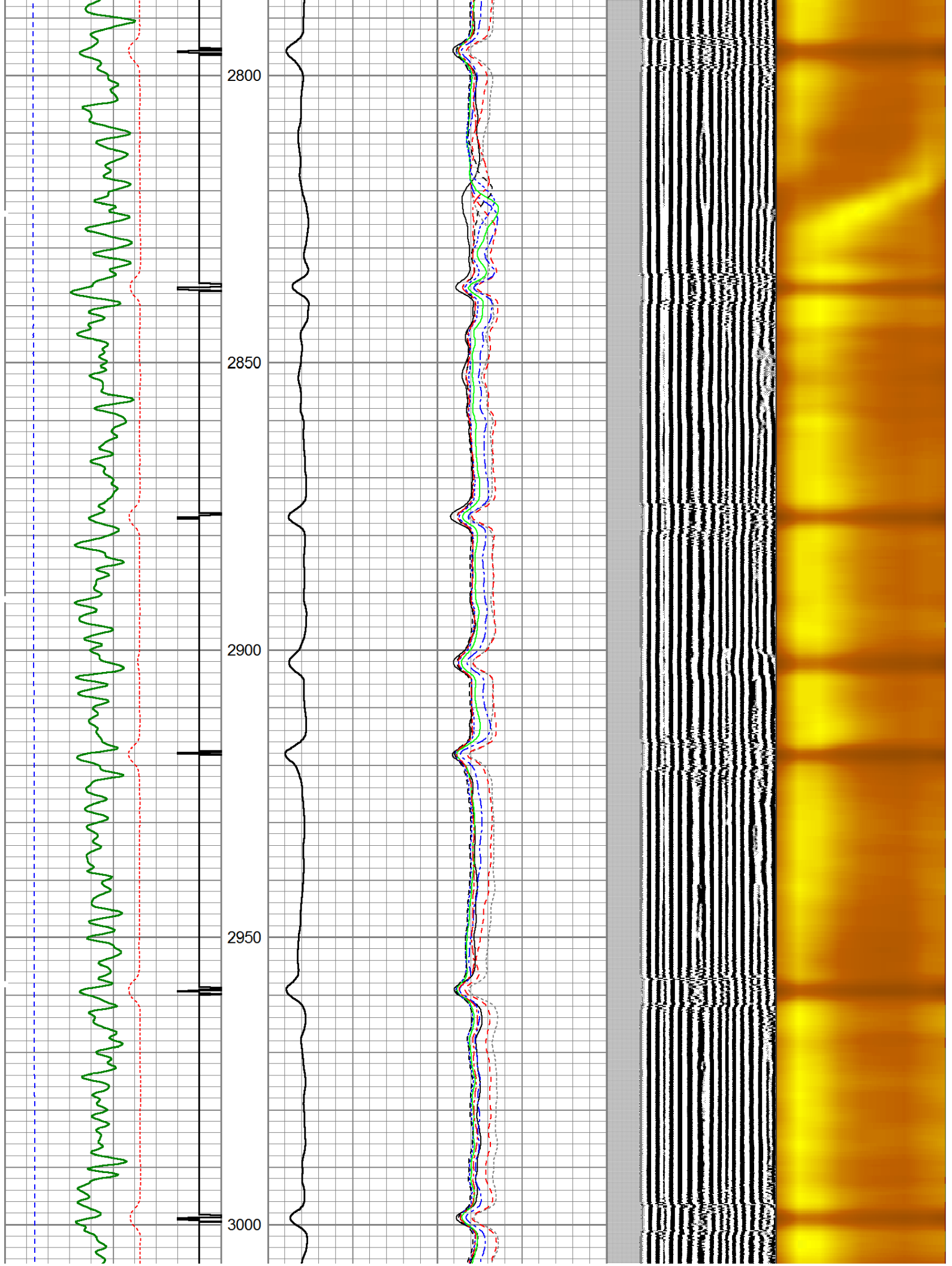


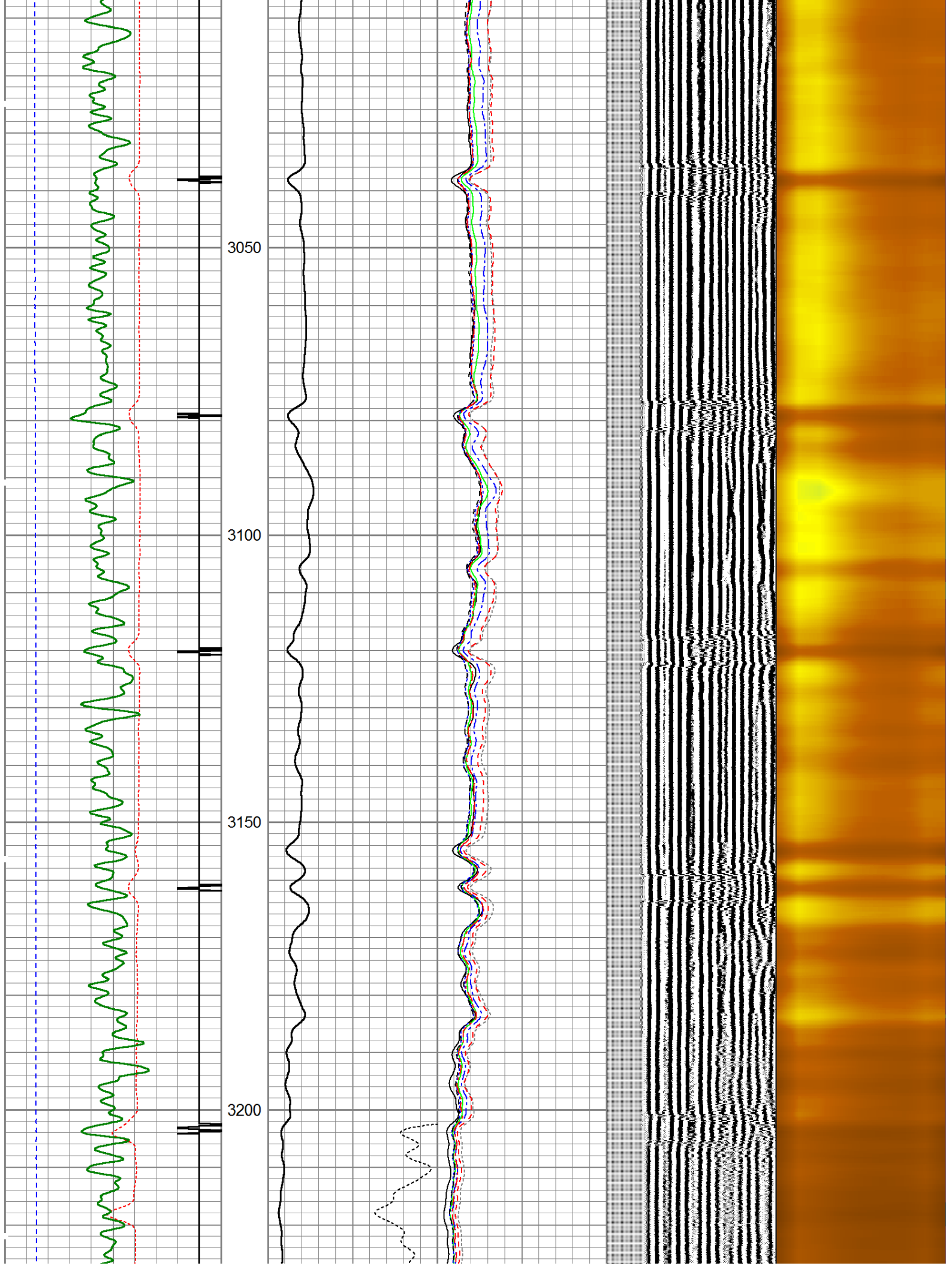


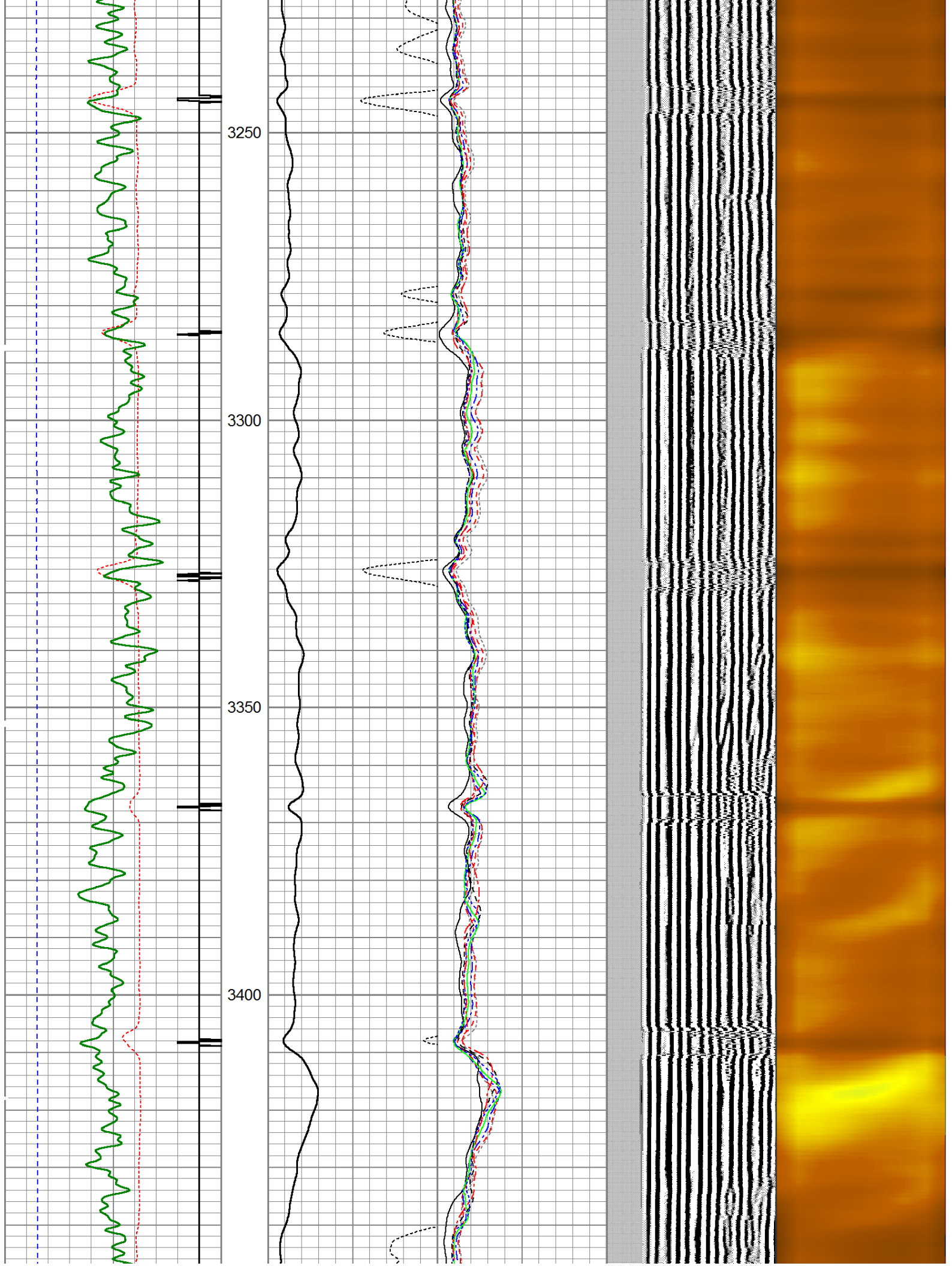




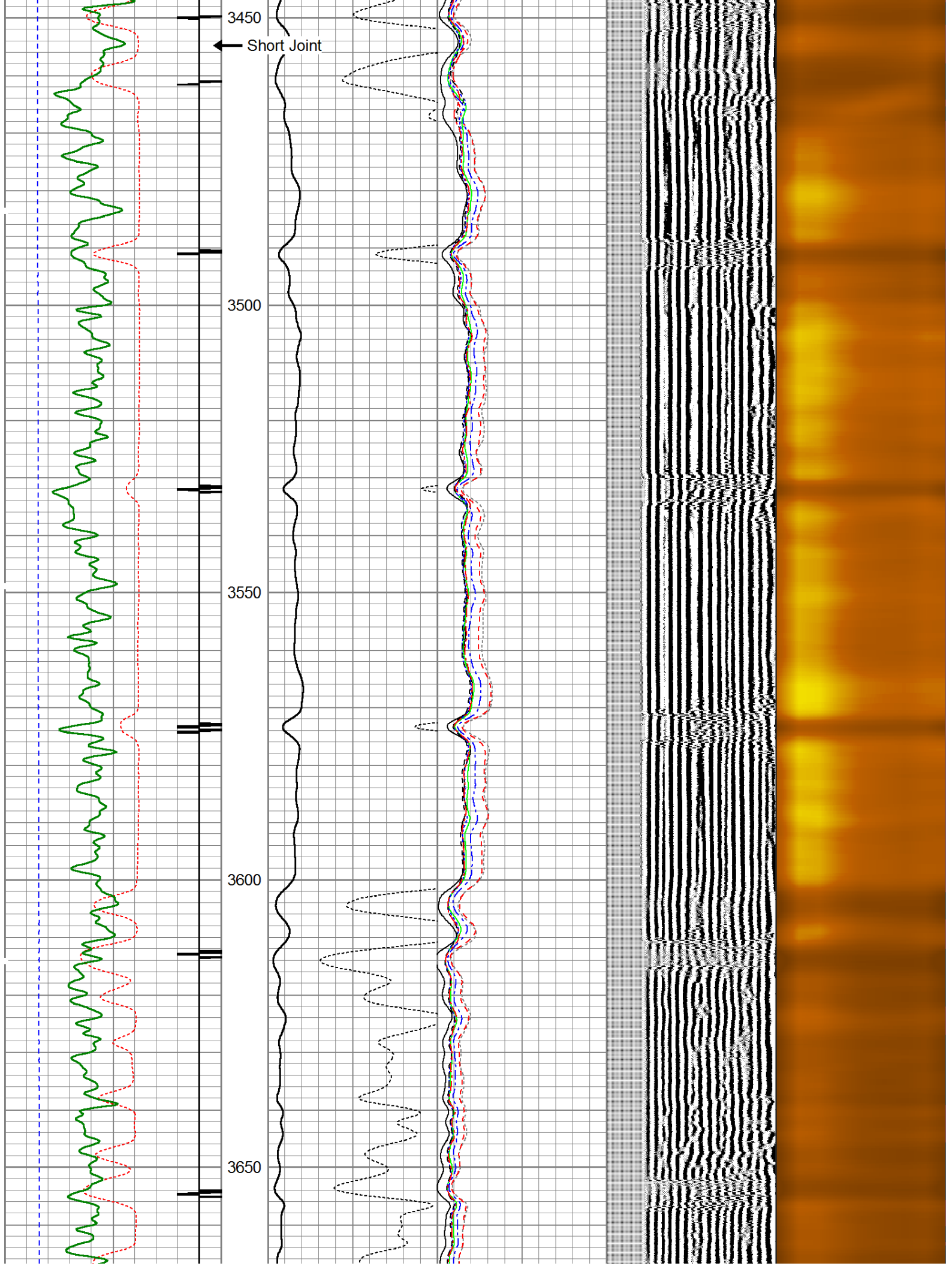


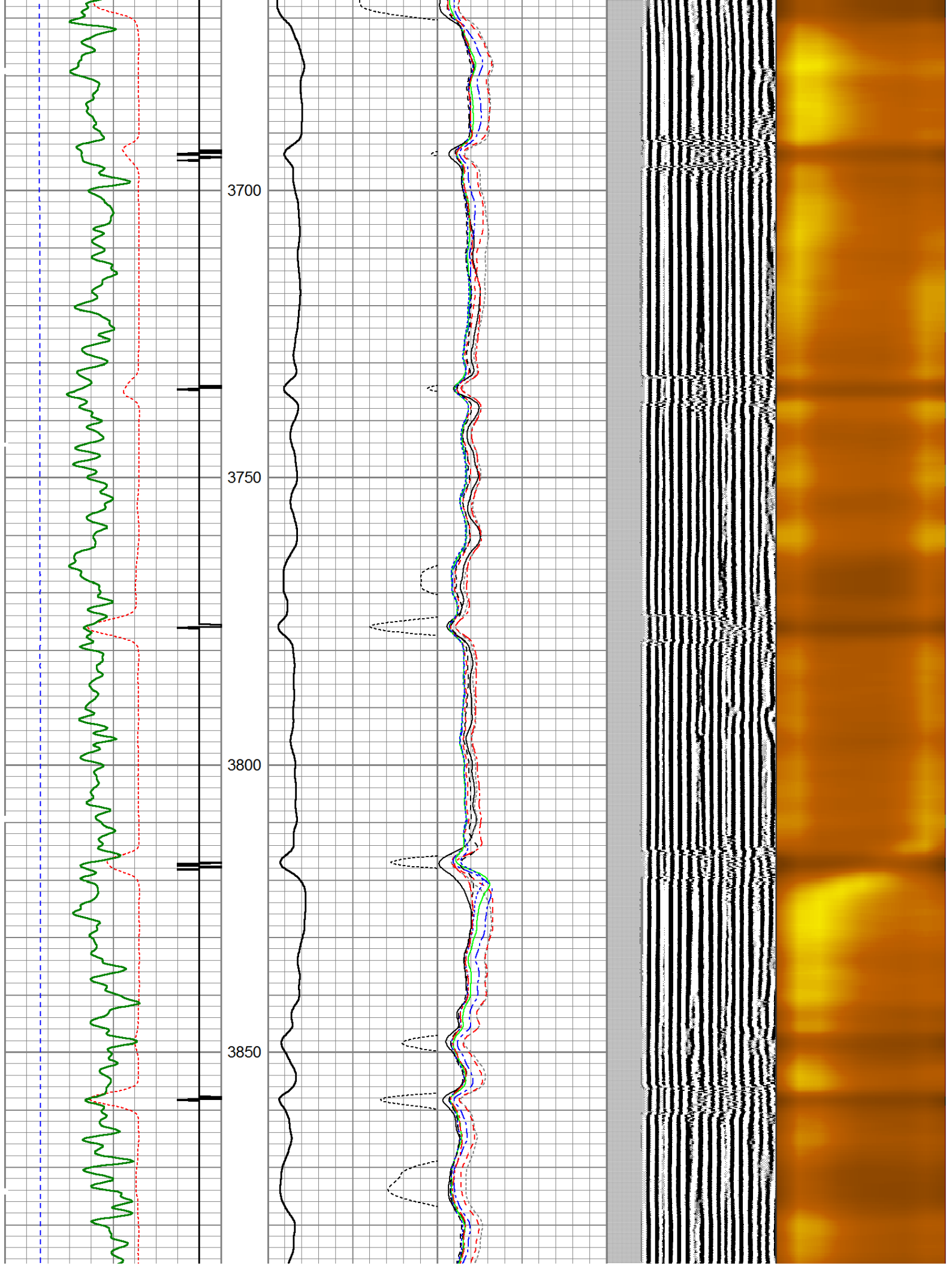


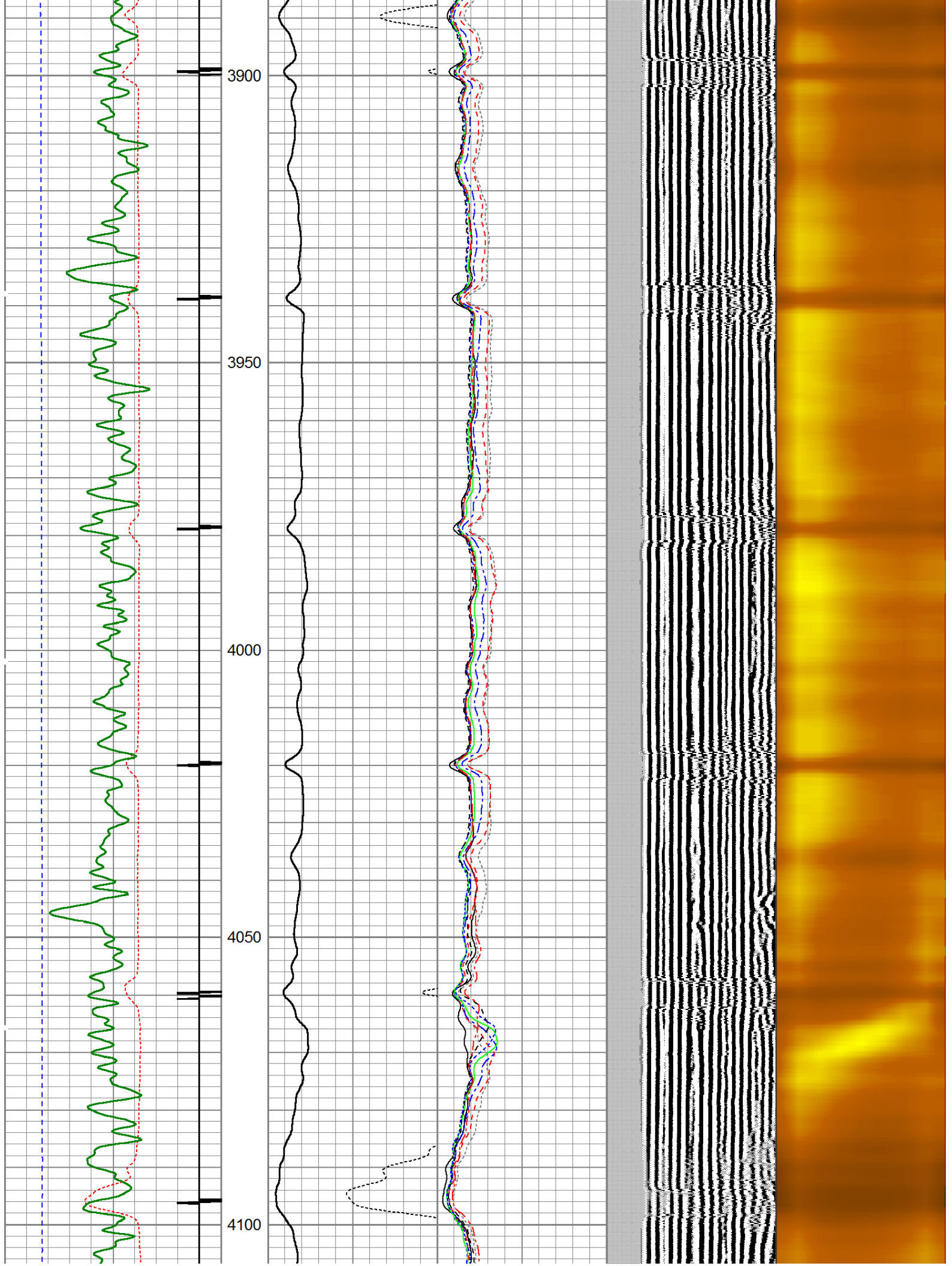




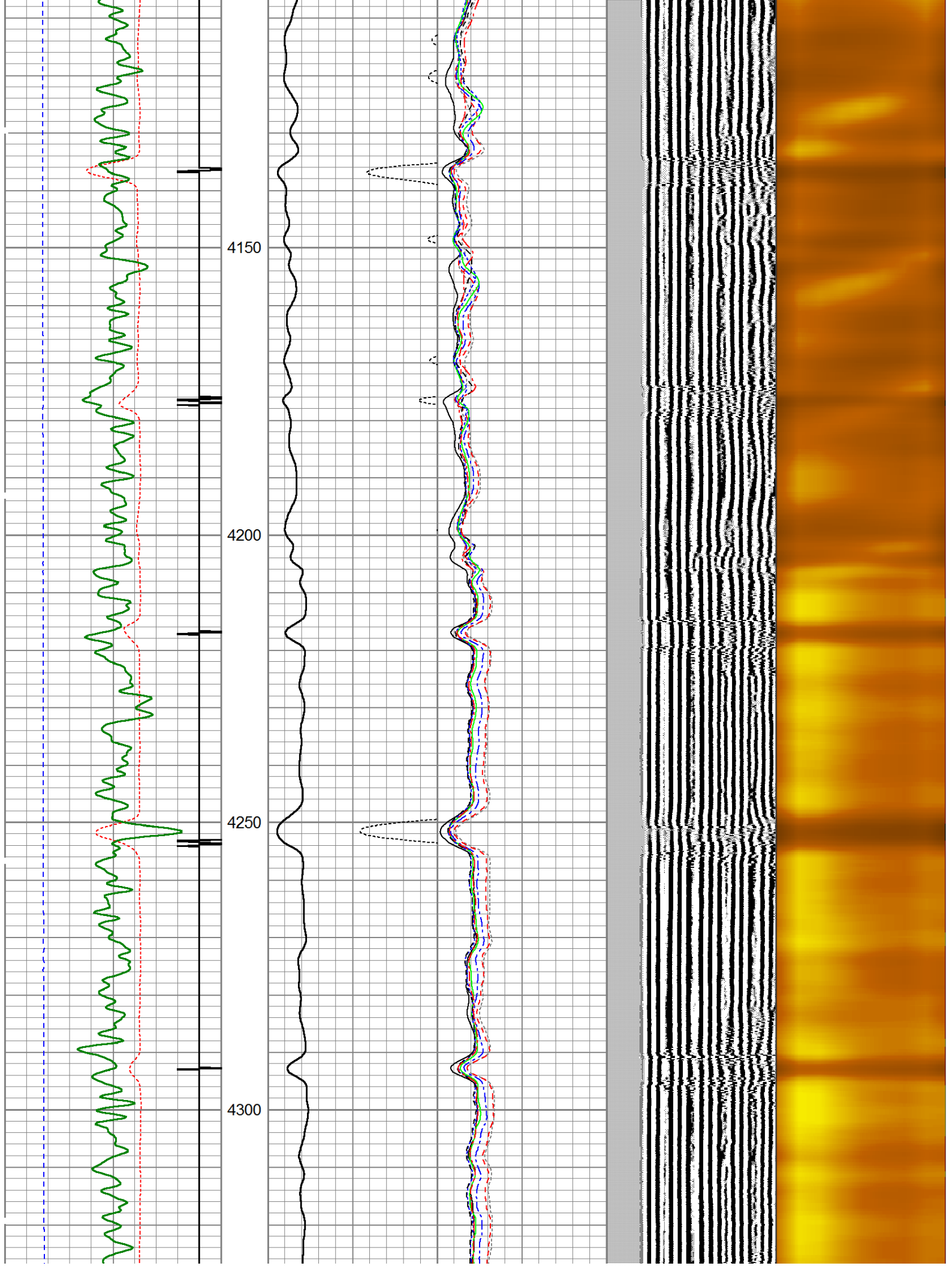


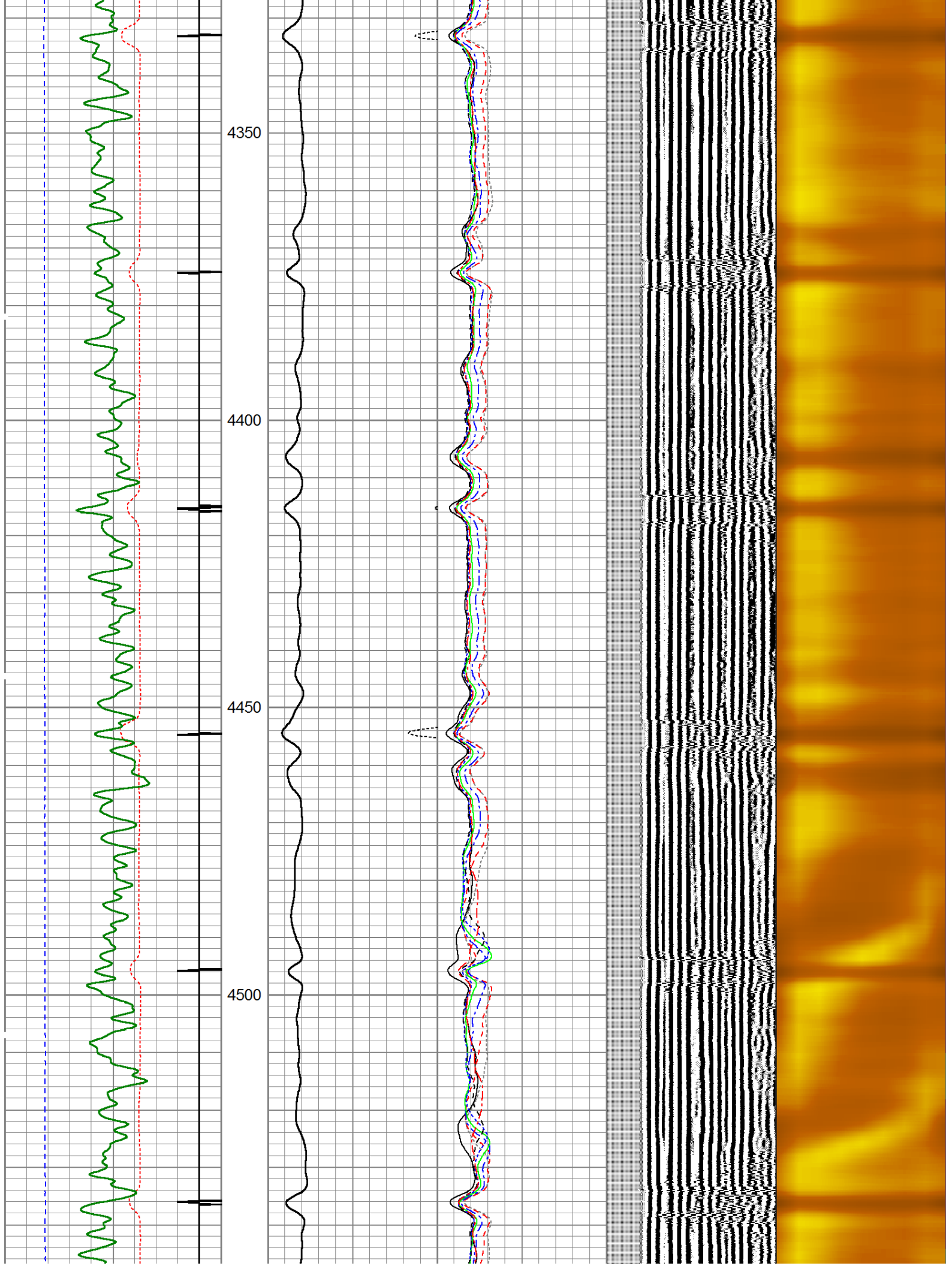


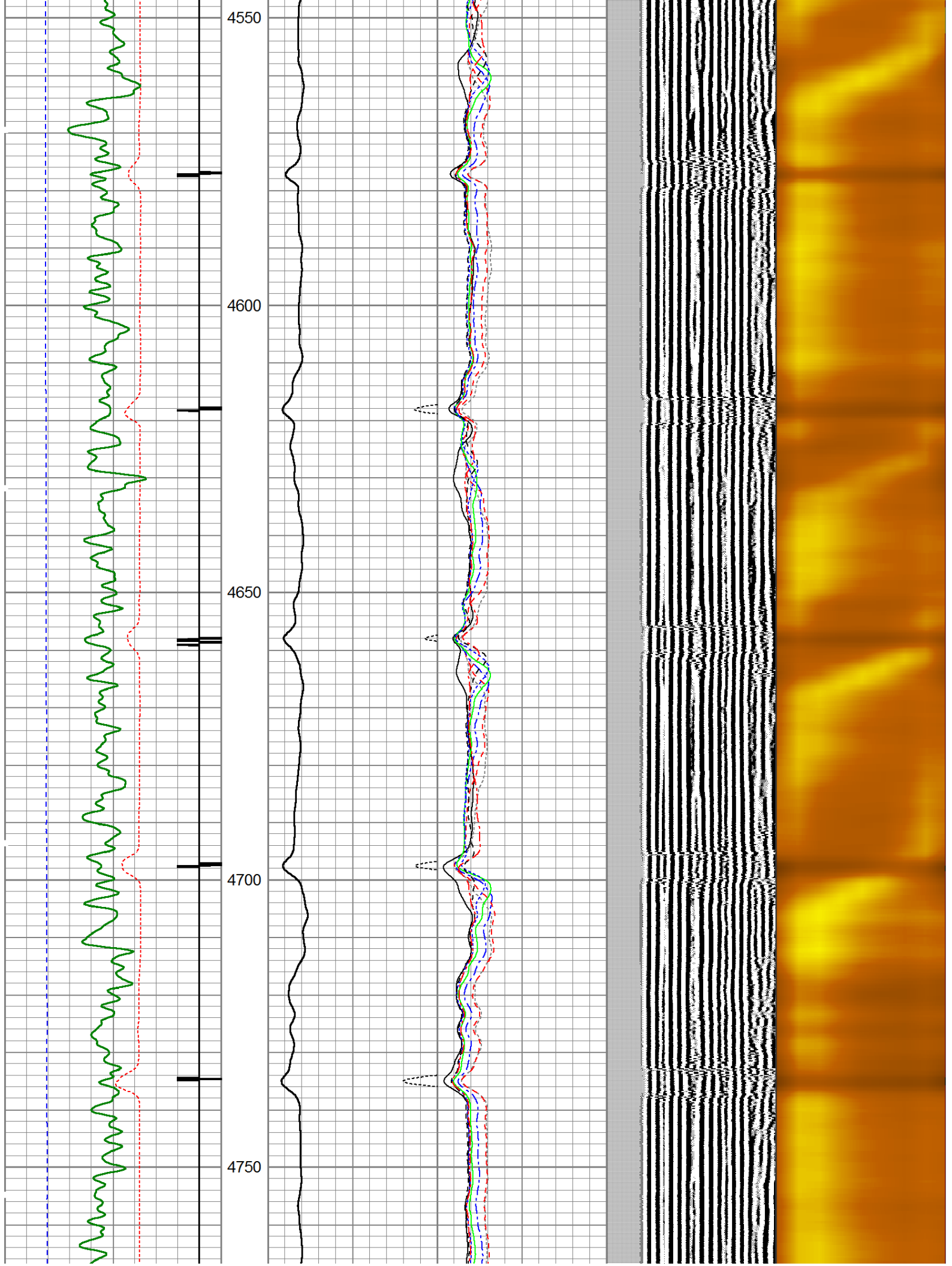




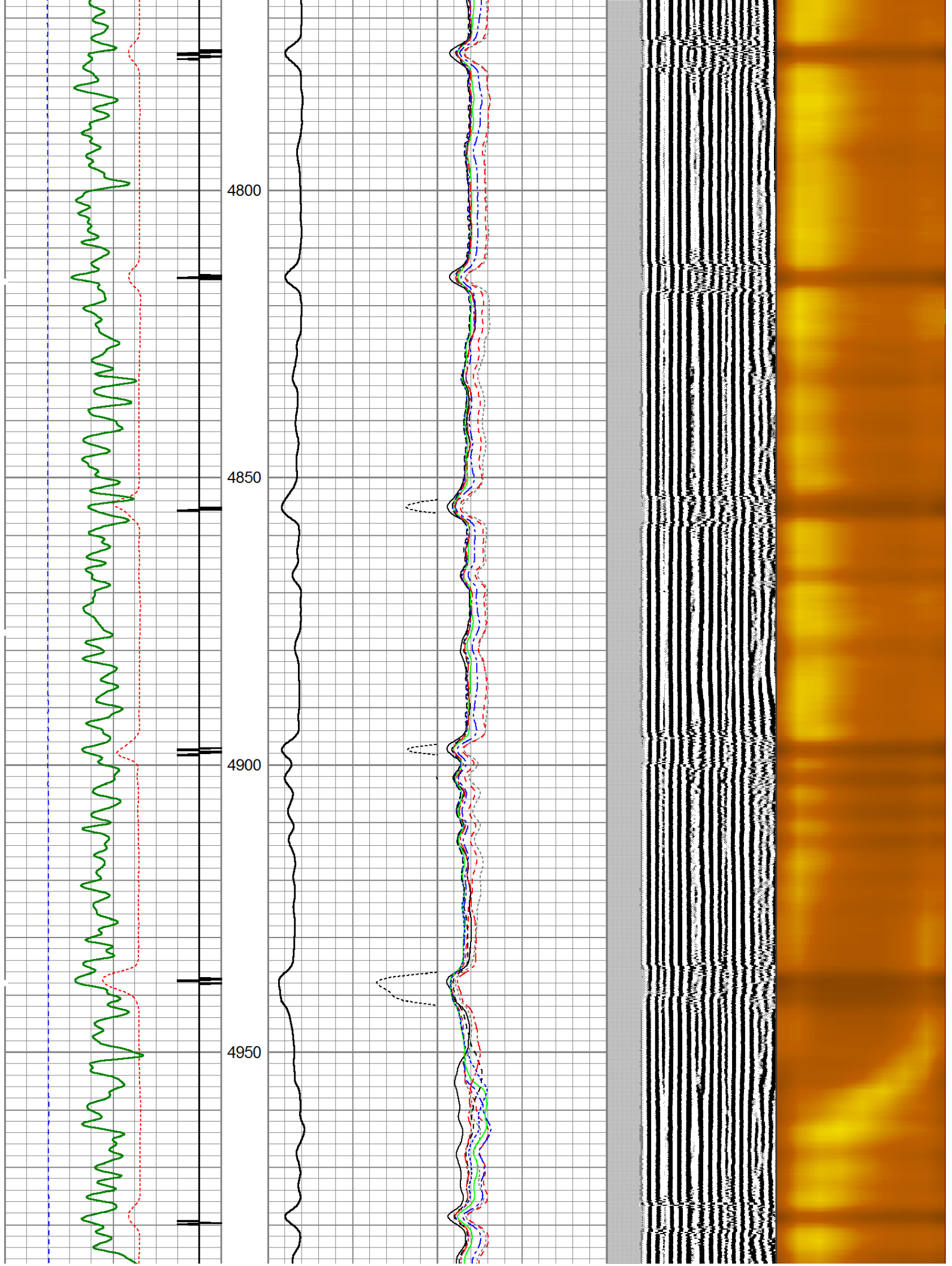


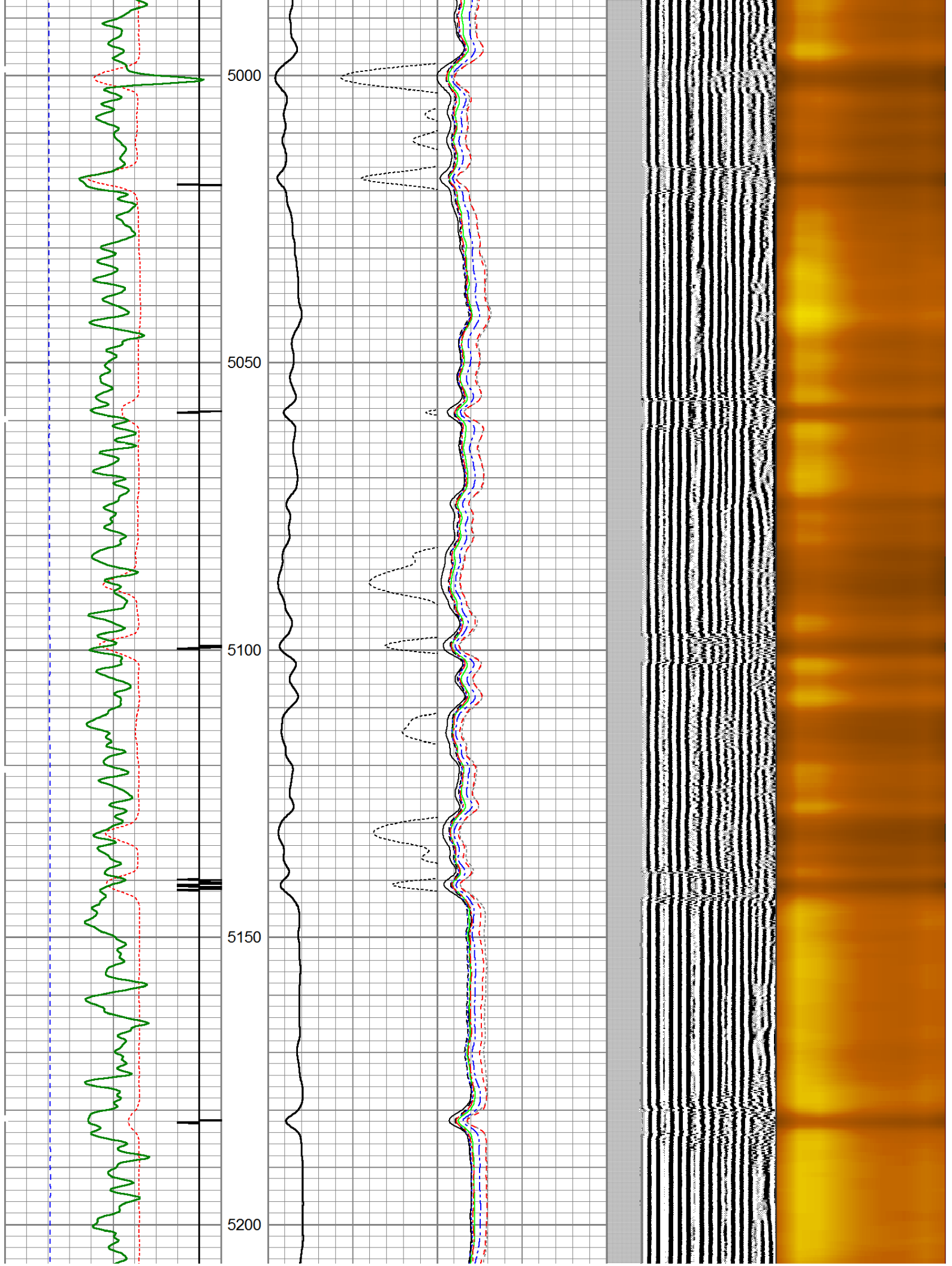


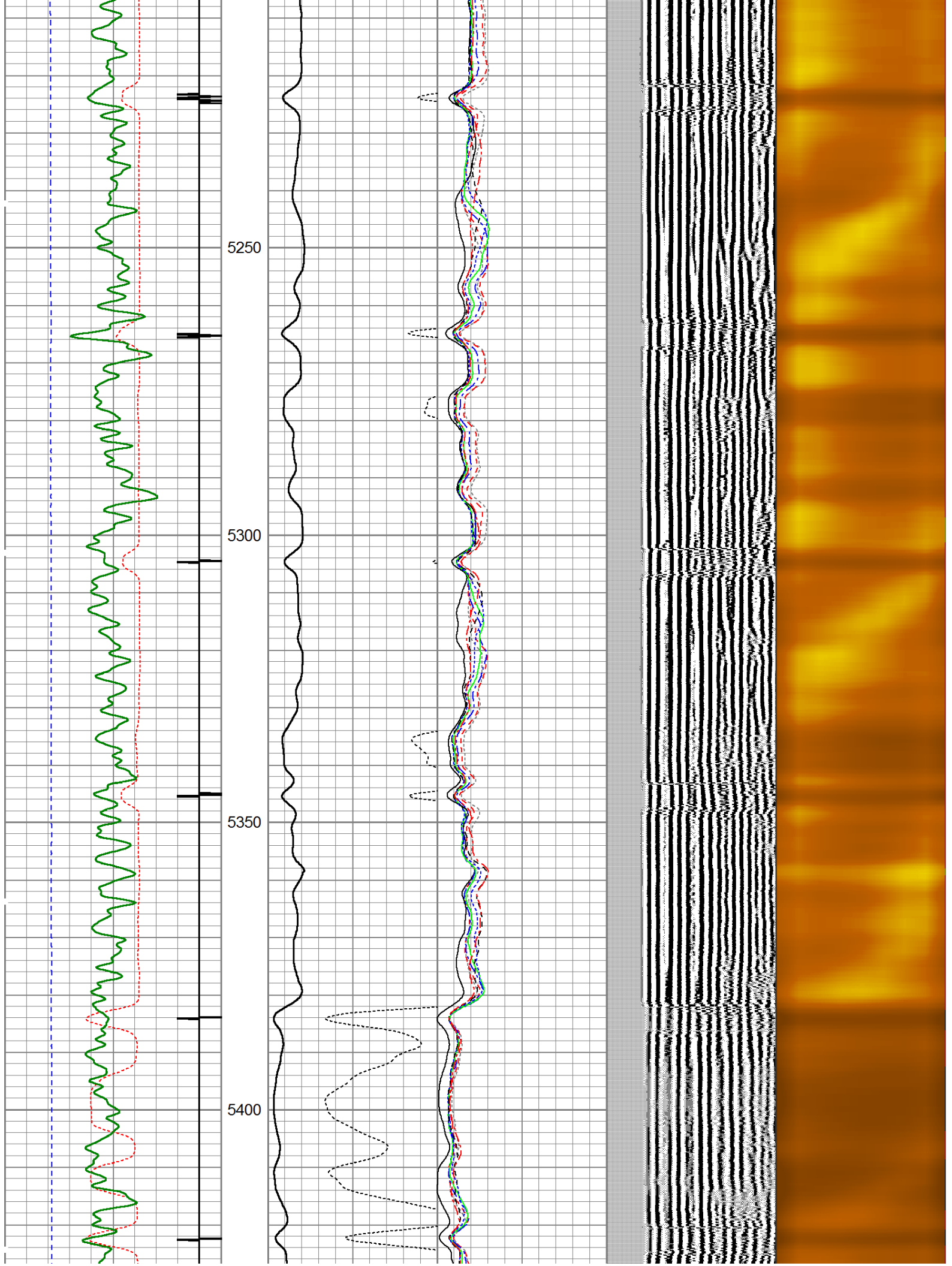




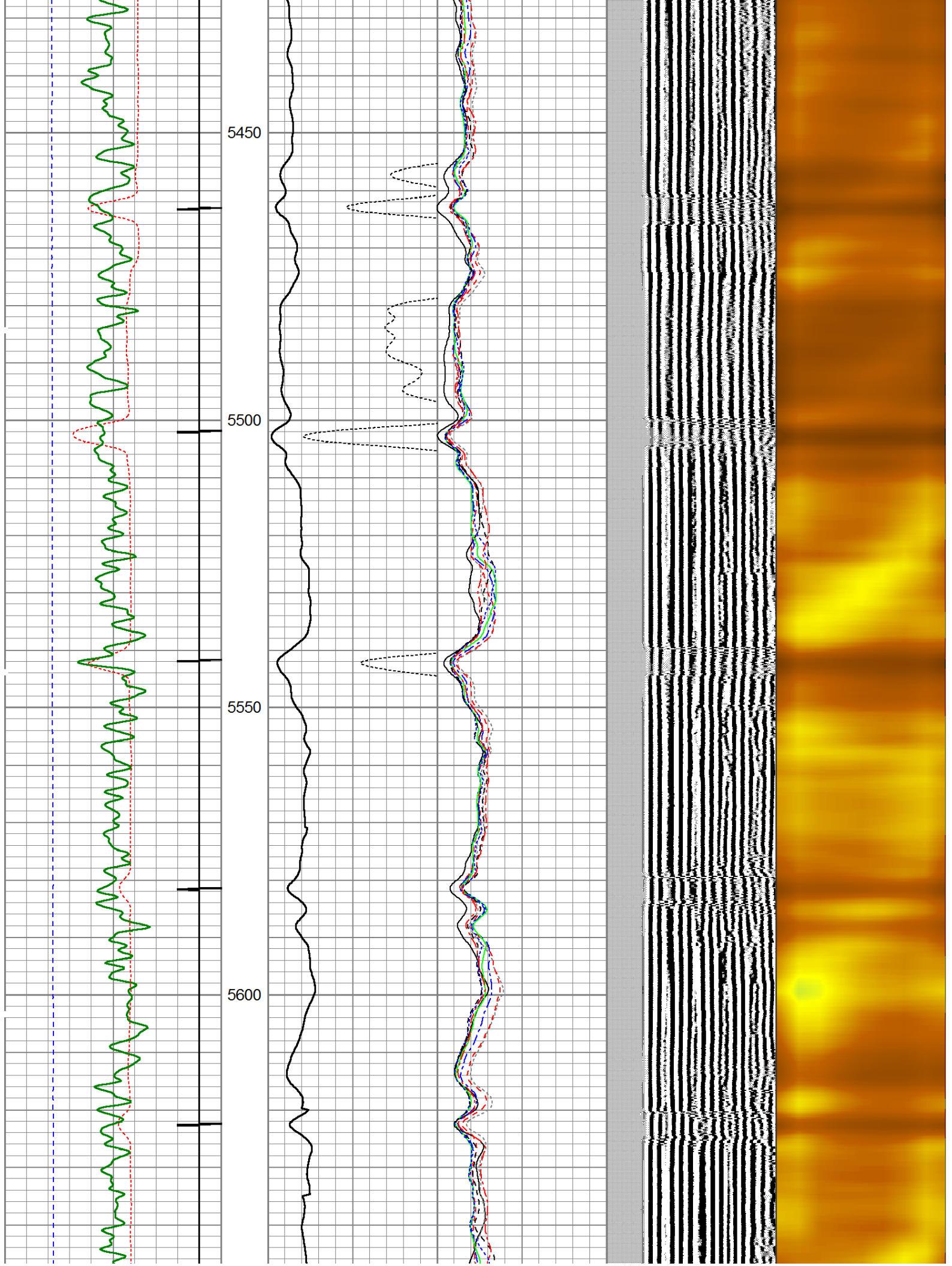


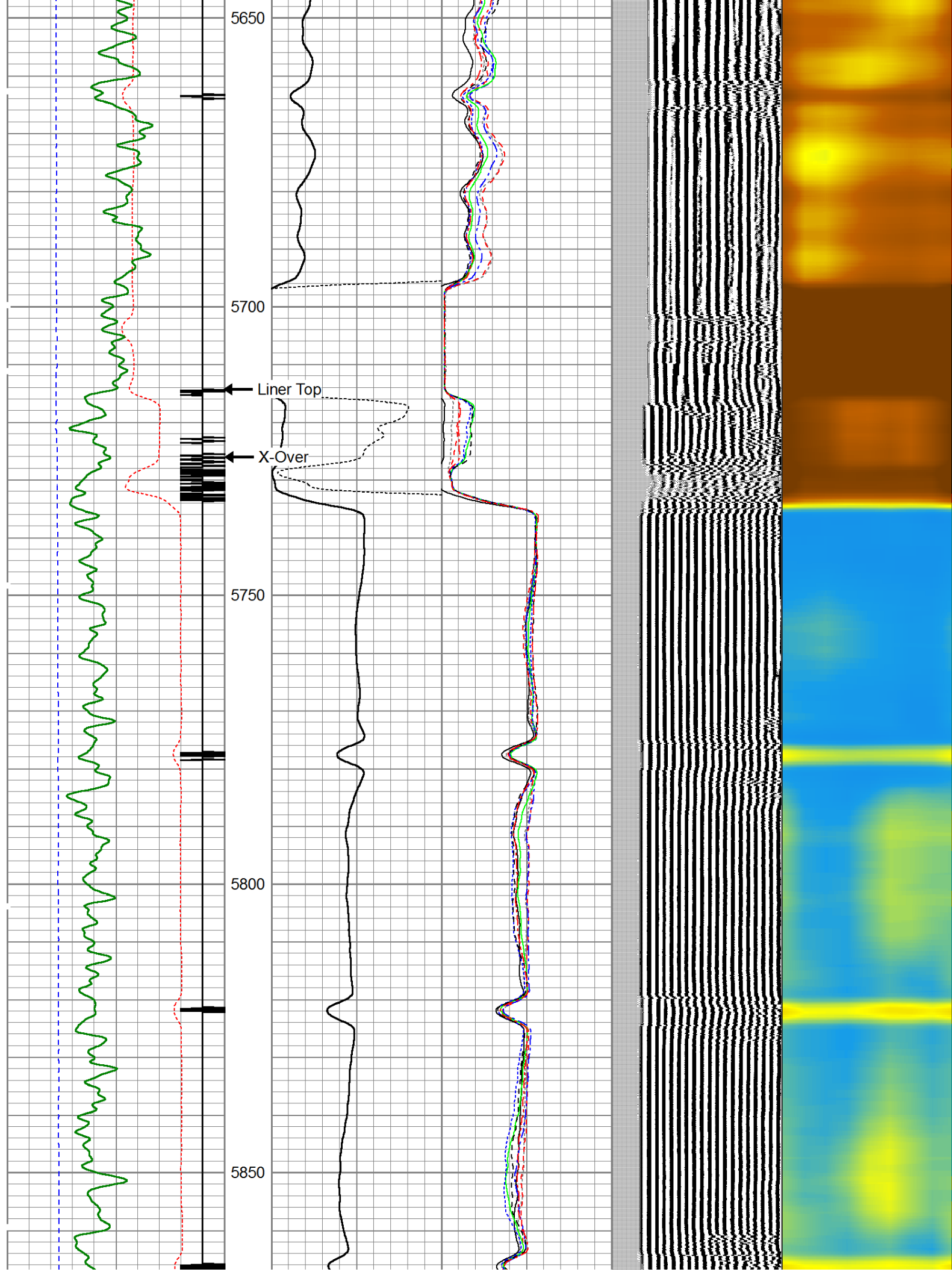


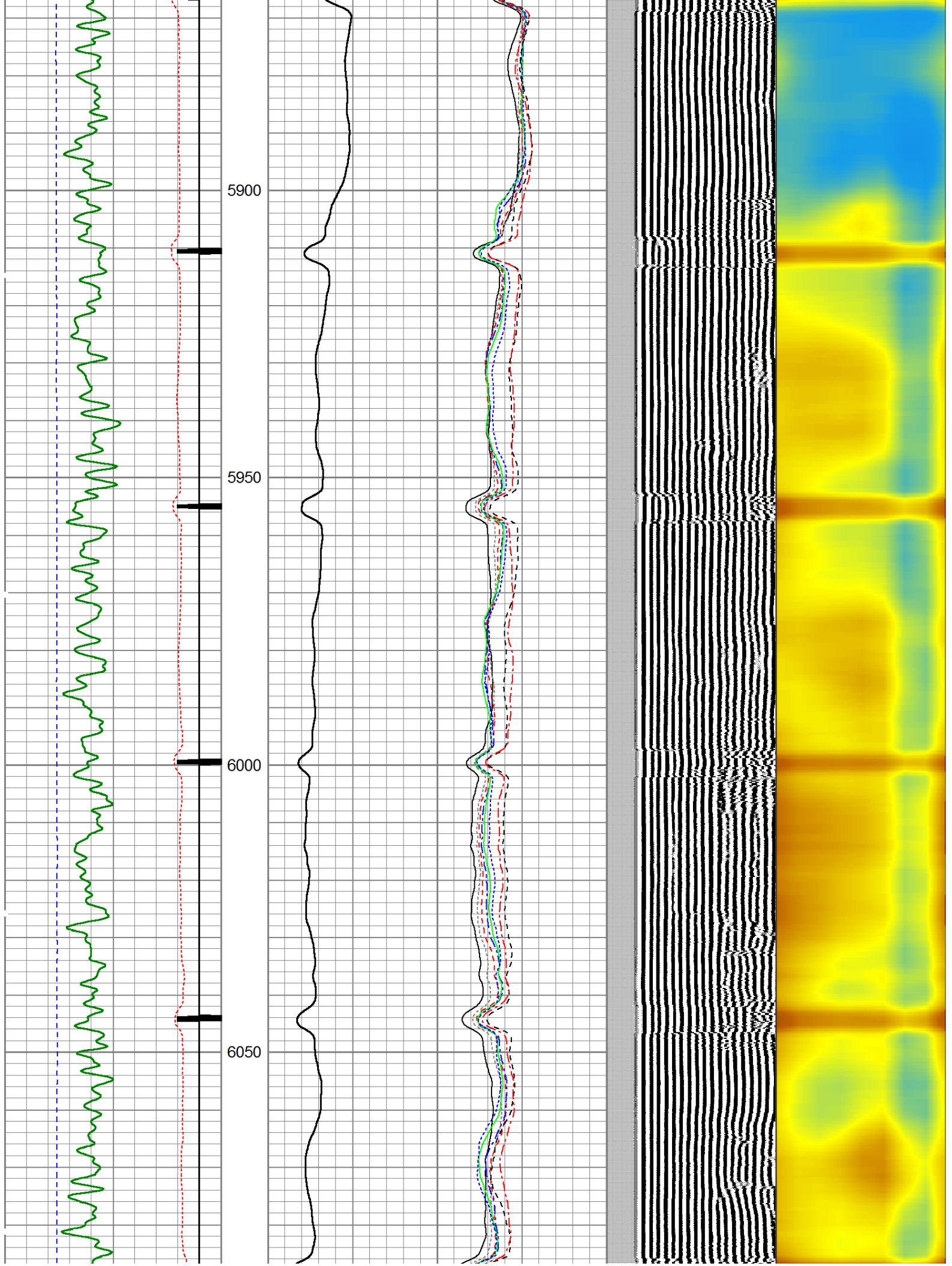




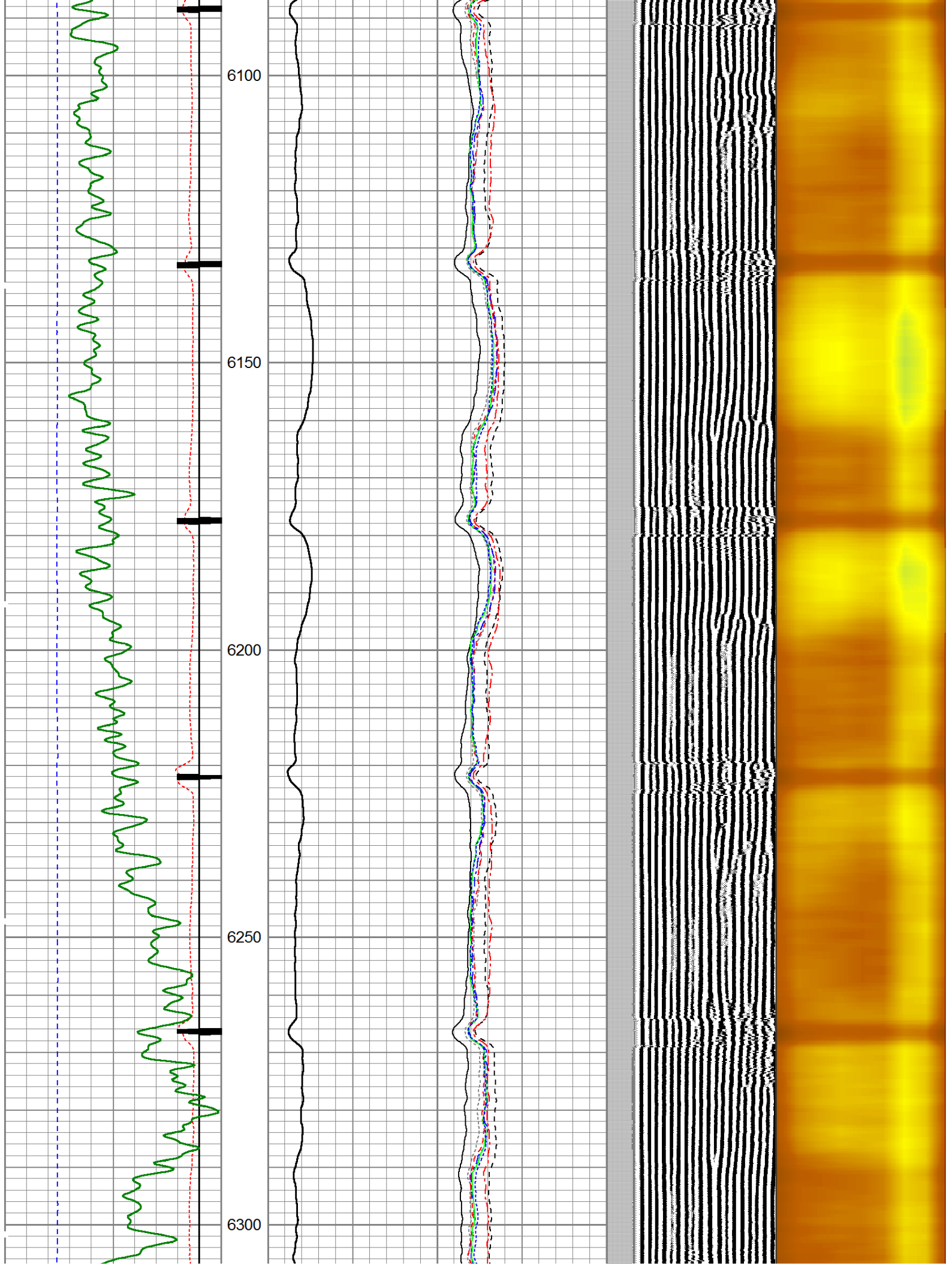


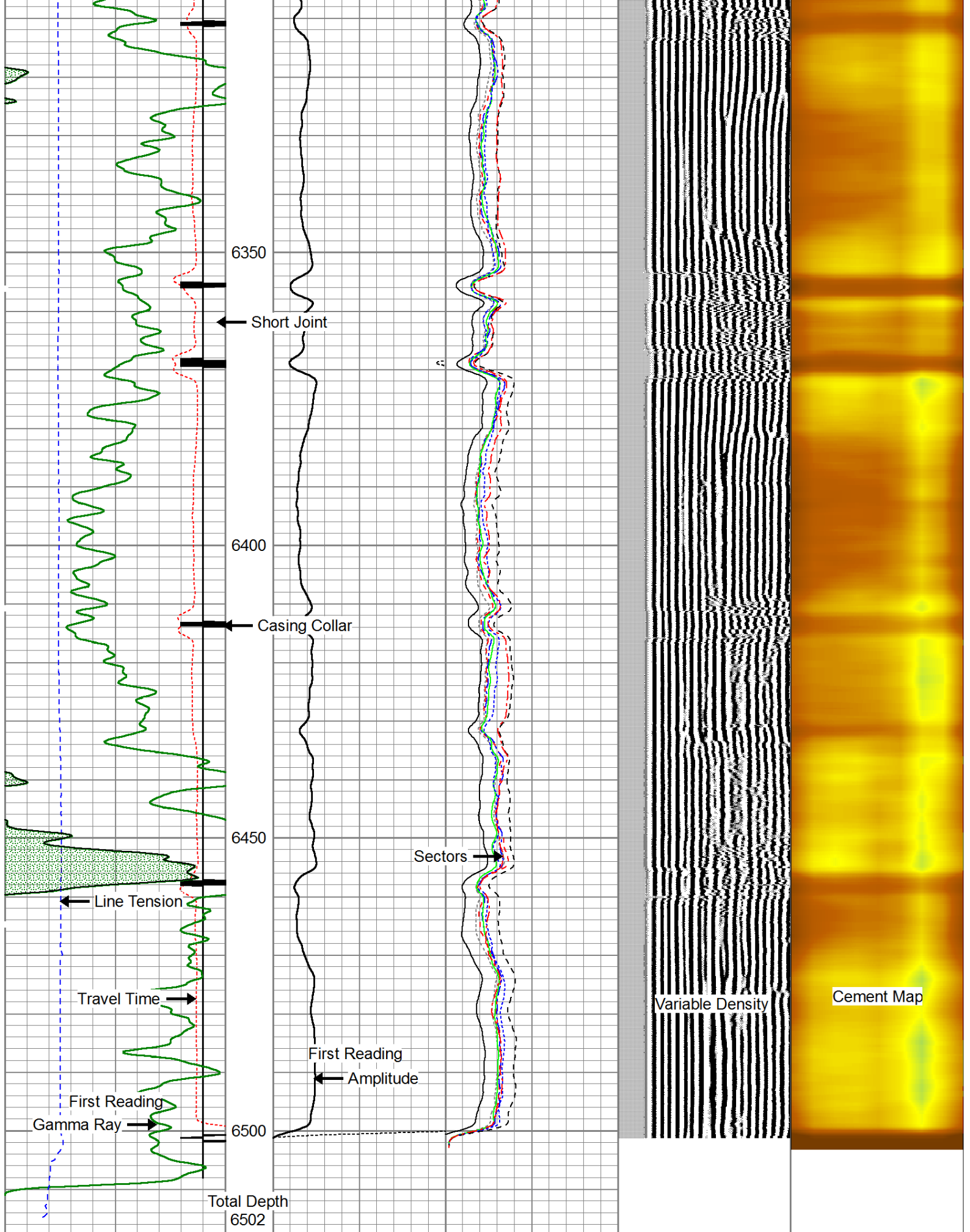








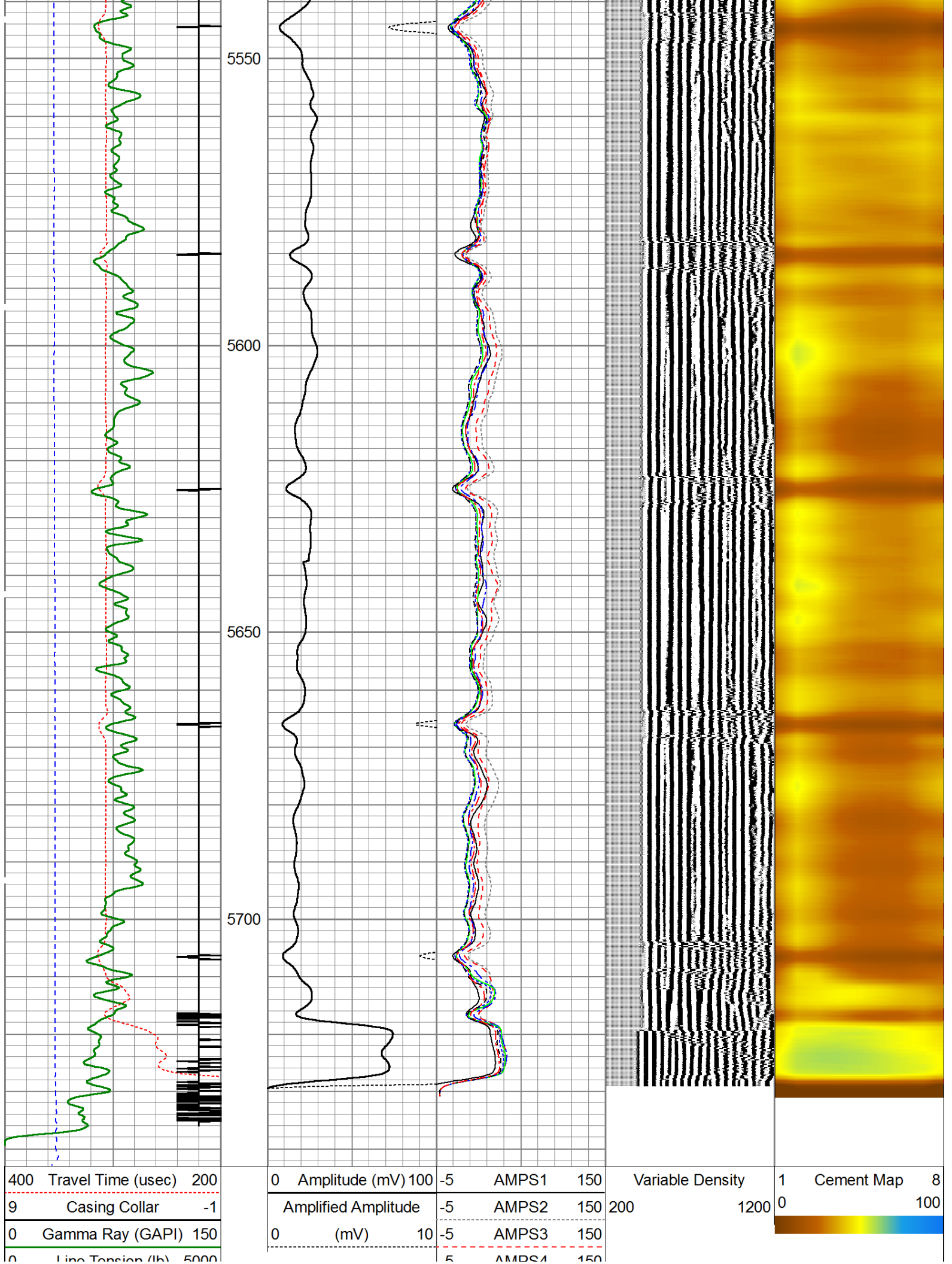




400	Travel Time (usec)	200	0	Amplitude (mV)	100	-5	AMPS1	150	Variable Density	1	Cement Map	8
0	Casing Collar	4	0	Amplitude (mV)	100	-5	AMPS2	150	Variable Density	1	Cement Map	8







Line Version (lb)	5000	-5	AMPS4	150
		-5	AMPS5	150
		-5	AMPS6	150
		-5	AMPS7	150
		-5	AMPS8	150

Calibration Report	
Database File:	carrizo_slickrock_17_11_7_60.db
Dataset Pathname:	pass23
Dataset Creation:	Thu Sep 27 12:19:55 2012 by Log SCH 120126

Gamma Ray Calibration Report		
Serial Number:	120367-Dig	
Tool Model:	Probe275	
Performed:	Fri Jun 11 16:02:47 2004	
Calibrator Value:	138.0	GAPI
Background Reading:	37.7	cps
Calibrator Reading:	241.8	cps
Sensitivity:	0.6763	GAPI/cps

Segmented Cement Bond Log Calibration Report		
Serial Number:	101224	
Tool Model:	Probe	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	101.025	ft

Master Calibration, performed Thu Sep 27 09:19:58 2012:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.715	0.338	61.800	71.921	82.000	-0.500
CAL	0.850	0.012				
5'	0.681	0.327	61.800	71.921	87.800	-0.159
SUM						
S1	0.784	0.105	0.000	100.000	141.000	-15.000
S2	0.724	0.011	0.000	100.000	133.000	-1.260
S3	0.688	0.012	0.000	100.000	138.000	-1.700
S4	0.660	0.012	0.000	100.000	141.000	-1.713
S5	0.658	0.012	0.000	100.000	143.044	-1.764
S6	0.681	0.012	0.000	100.000	142.000	-1.603
S7	0.727	0.013	0.000	100.000	135.865	-1.732
S8	0.768	0.013	0.000	100.000	127.966	-1.553

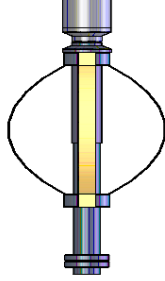
Internal Reference Calibration, performed Mon Oct 10 09:42:03 2005:						
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.850	0.012	1.000	0.000

Air Zero Calibration, performed Mon Oct 10 09:41:05 2005:						
	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	Len (ft)	OD (in)	Wt (lb)
				1.00	1.44	10.00
				2.88	2.75	20.00
WVF3FT	14.90			8.75	2.75	90.00
WVFCAL	14.90					
WVFS1	14.90					
WVFS2	14.90					
WVFS3	14.90					
WVFS4	14.90					
WVFS5	14.90					
WVFS6	14.90					
WVFS7	14.90					
WVFS8	14.90					
WVF5FT	13.90					
				2.88	2.75	20.00
CCL	6.88					
GR	5.42			4.96	2.75	57.00





Probe275  
2.75" Centralizer

2.88

2.75

20.00

Dataset:	carrizo_slickrock_17_11_7_60.db: field/well/run1/pass23
Total Length:	23.33 ft
Total Weight:	217.00 lb
O.D.	2.75 in