

Surface Casing Vent Leak



Company:	Encana Oil & Gas (USA) Inc.
Well:	GRENEMEYER WAGNER #12-34
Field:	Wattenburg
County:	Weld
State:	Colorado
API#:	05-123-21026
Logs Recorded:	NT/PN/RBL
Purpose:	Surface Casing Vent Leak
Date:	January 22, 2016
Elevation:	(ft)
GL:	5077'
KB:	5093'

Casing Record	Size (in)	Weight (lb/ft)	Grade	Joint Type	From (ft)	To (ft)
Surface	8.625	24			Surface	1068'
Production	4.5	11.6			Surface	8406'

Any interpretation of logs or survey, either through optical or electronic processing means or otherwise, or any recommendation or description of any reservoir based on such interpretations of other data, are opinions based upon measurements, assumptions and empirical relationships, which inferences and assumptions are not incapable of error. We cannot and do not guarantee the accuracy, correctness or completeness of such interpretations, recommendations or descriptions and Company agrees that we shall not be liable or responsible for any loss, cost, damage or expense incurred or sustained by Company resulting directly or indirectly therefrom. Under no circumstances should any such interpretation, recommendation or description be relied upon as the basis for any procedure conducted in or on a well which involves any risk to the safety of personnel, equipment or venture. Company shall always have full responsibility for such decisions and for all decisions concerning other procedures relating to drilling, completion or production operations.

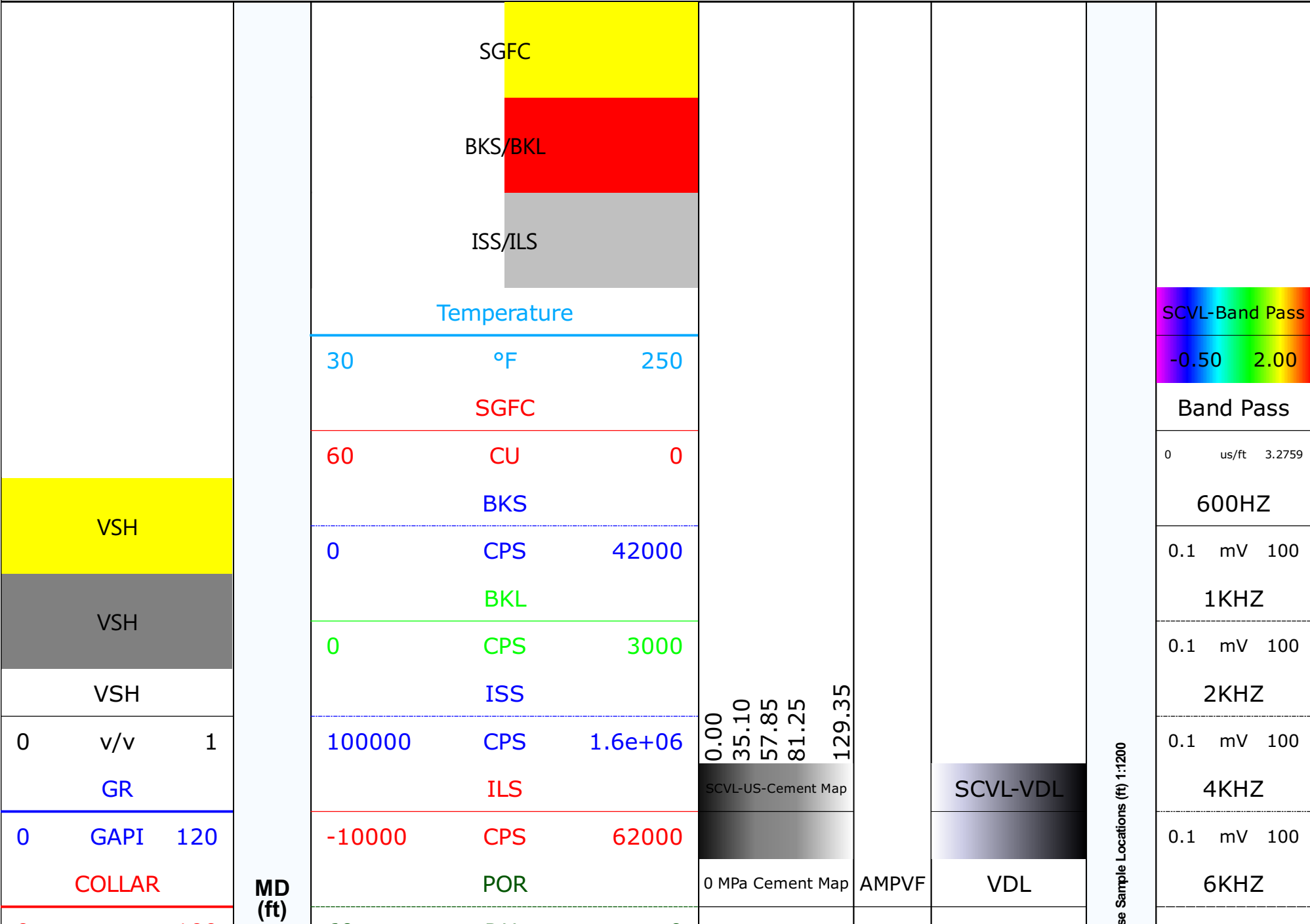
DEPTH DRILLER: 8412'	PRESSURE ON VENT: N/A
DEPTH LOGGER: 8200'	VENT OPEN: N/A
LOGGING INTERVAL: 200 - 8174'	BUBBLE RATE: N/A
FLUID TYPE: Water	FLUID LEVEL: Surface
Location: Latitude: 40.009198; Longitude: 104.883662	

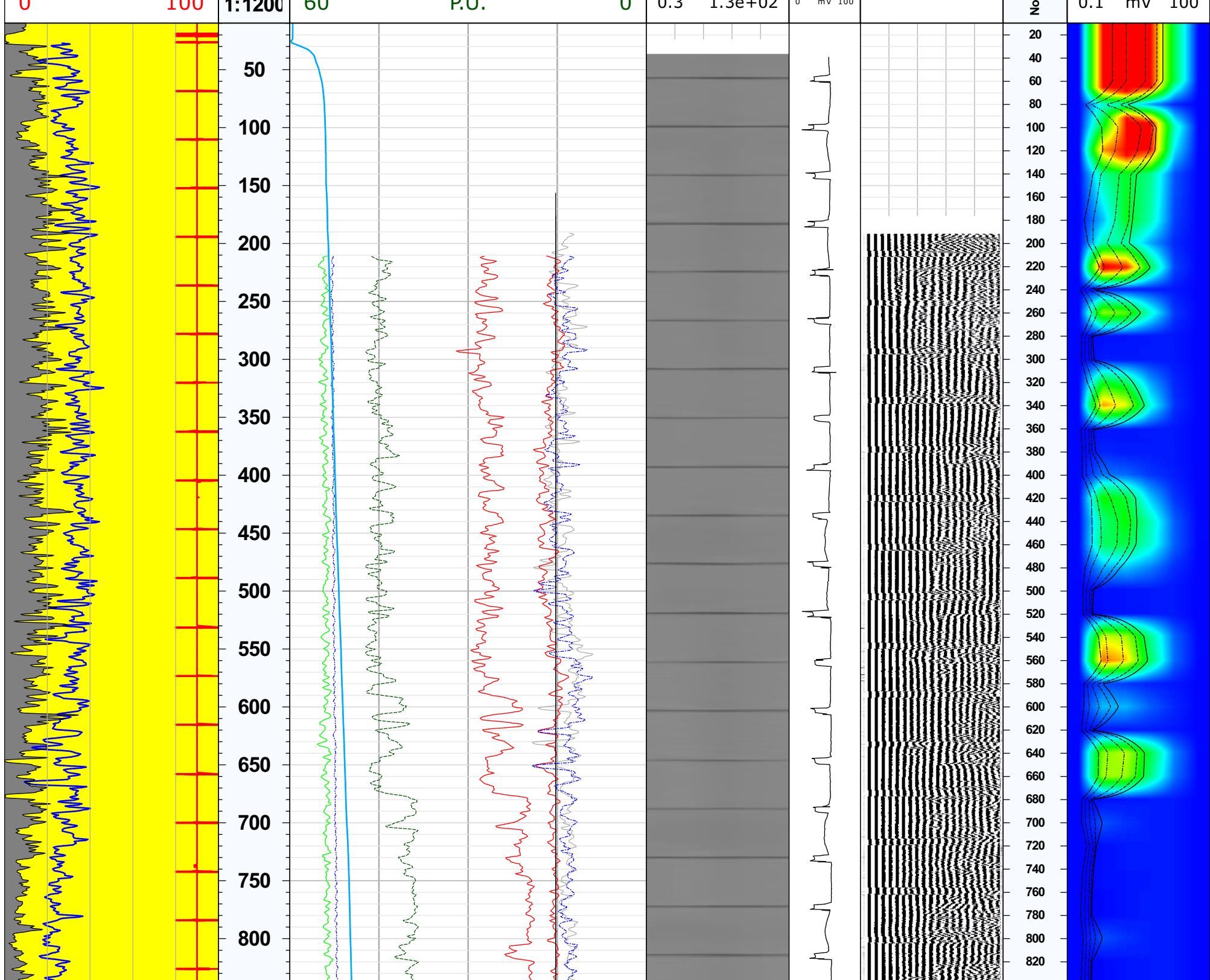
Curve Discriptions:
Curve Legend:

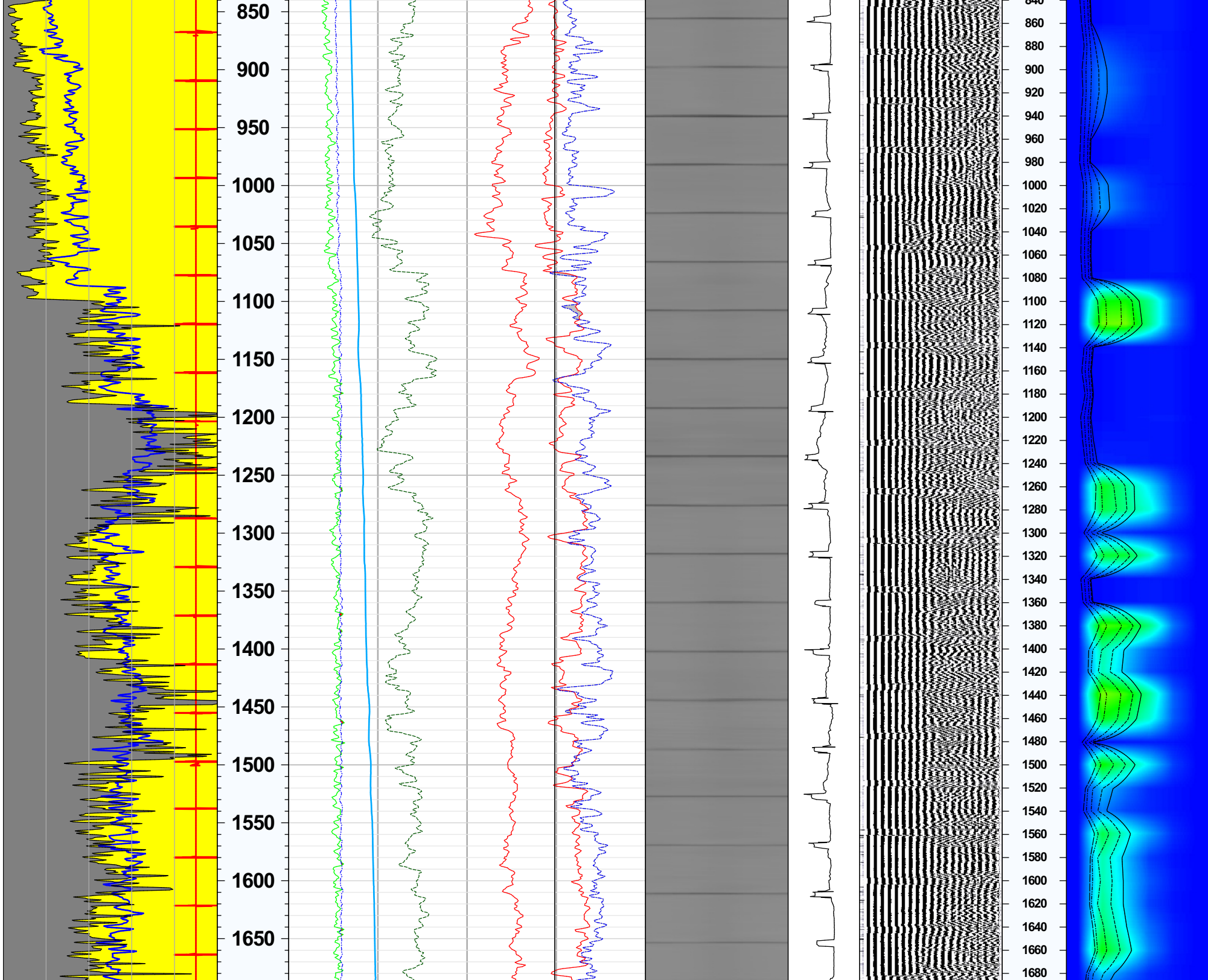


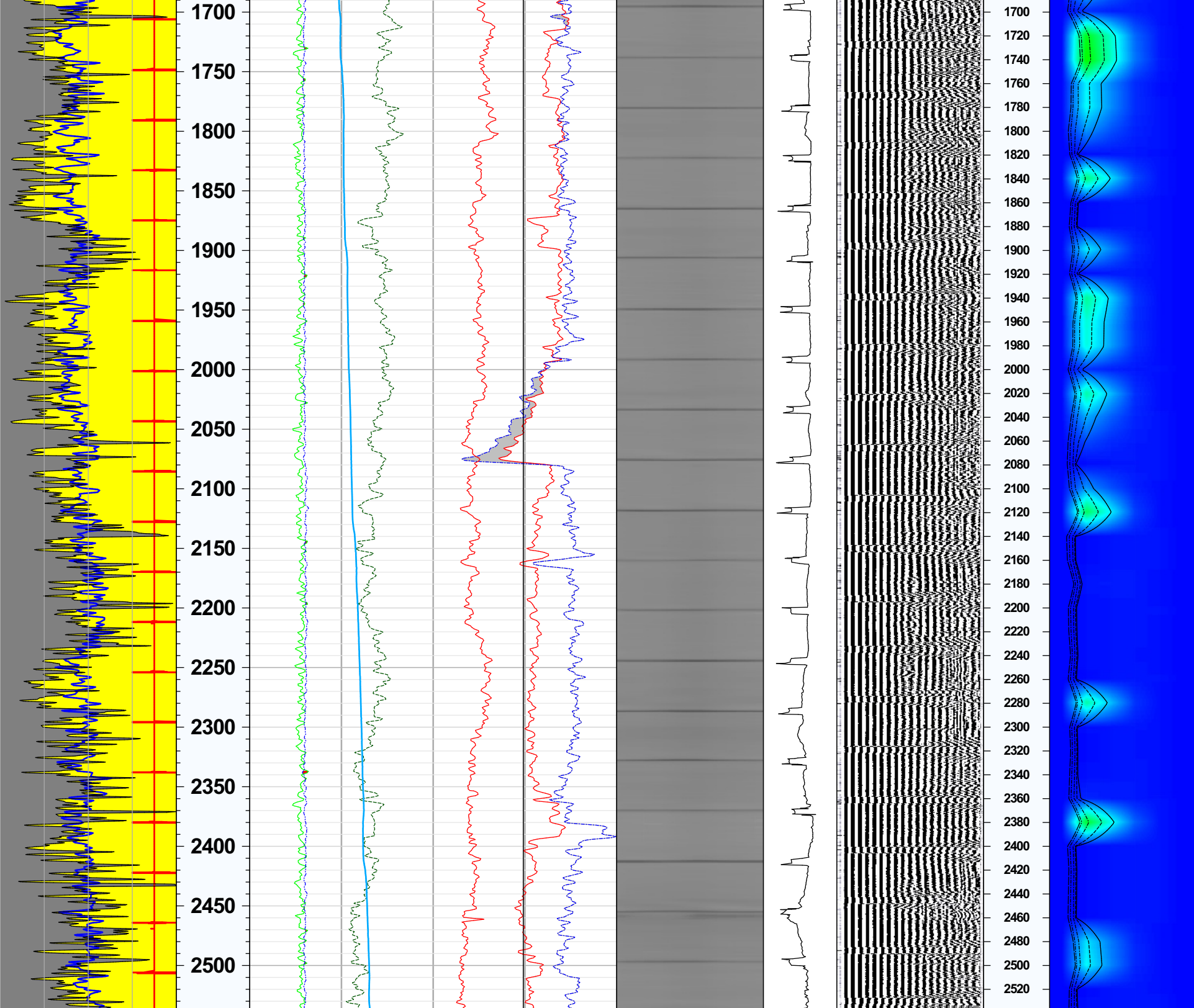
Curve	Measurement	Unit
GR	Natural Gamma Ray	API
CCL	Collar Locator	mv
VSH	Computed Shale/Clay Volume	v/v
RPOR	Porosity from PN	pu
SGFC	Diffusion - Corrected Formation Sigma	cu
BKS	Short-space count rate	CPS
BKL	Long-space count rate	CPS
ISS	Short-space inelastic count rate	CPS
ILS	Long-space inelastic count rate	CPS
VDL	Variable Density Log	usec
Cement Map	Radial Cement Bond under 7 mPa Pressure	mv
AMP 0 MPA	3 ft Amplitude	mv
AMP 7 MPA	3 ft Amplitude under 7 mPa Pressure	mv
600 HZ	600 Hertz	mv
1 KHZ	1000 Hertz	mv
2 KHZ	2000 Hertz	mv
4 KHZ	4000 Hertz	mv
6 KHZ	6000 Hertz	mv
Band Pass	Band Pass Energy Map	
Temperature	Wellbore Temperature while logging down	Deg F

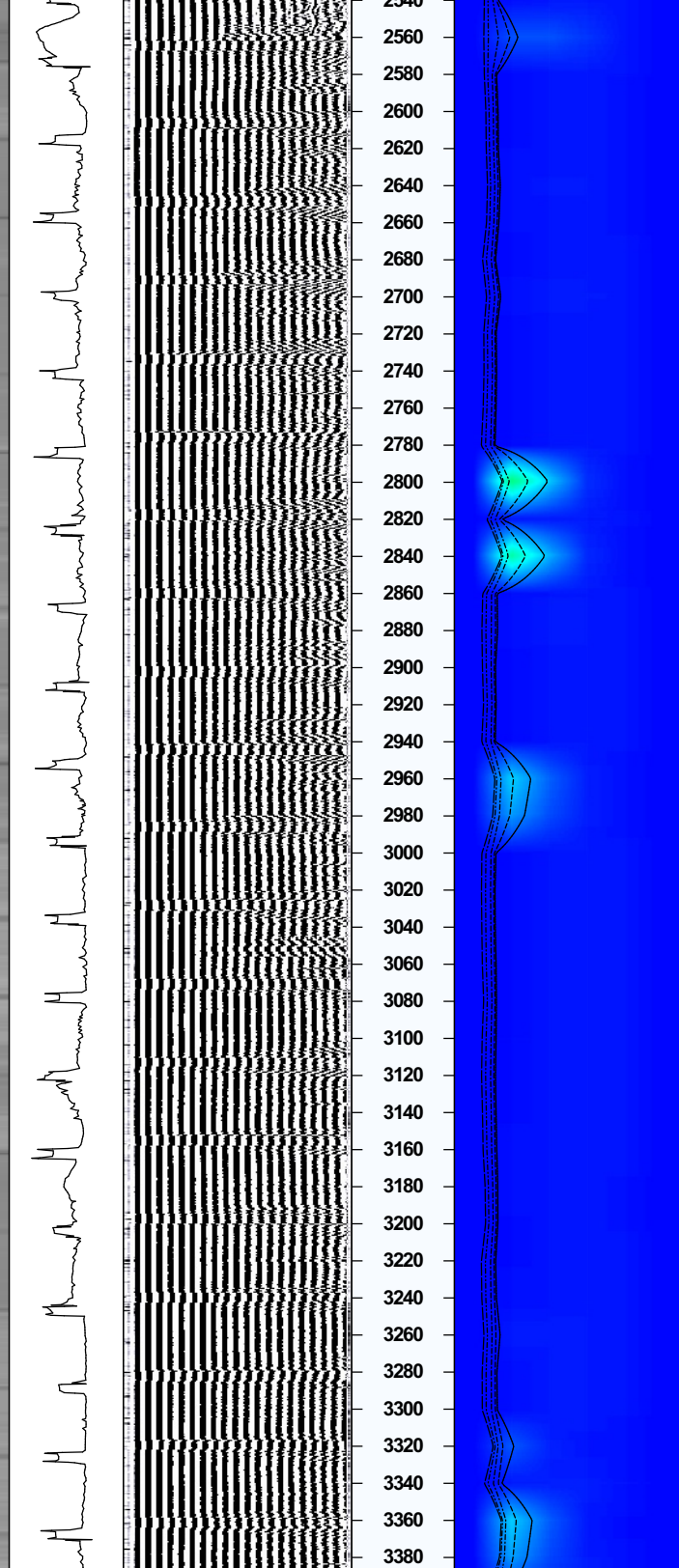
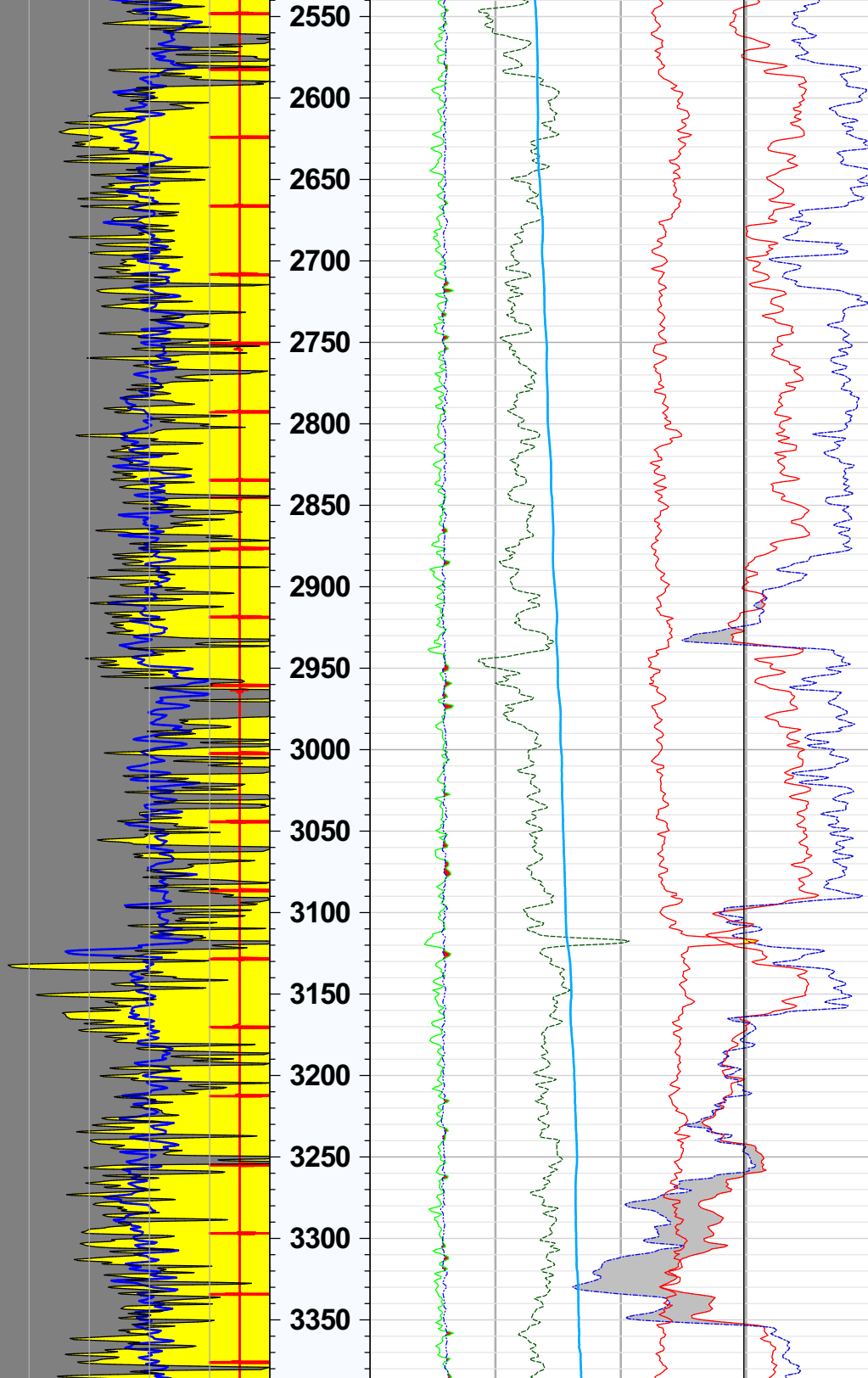
Scale 1:1200

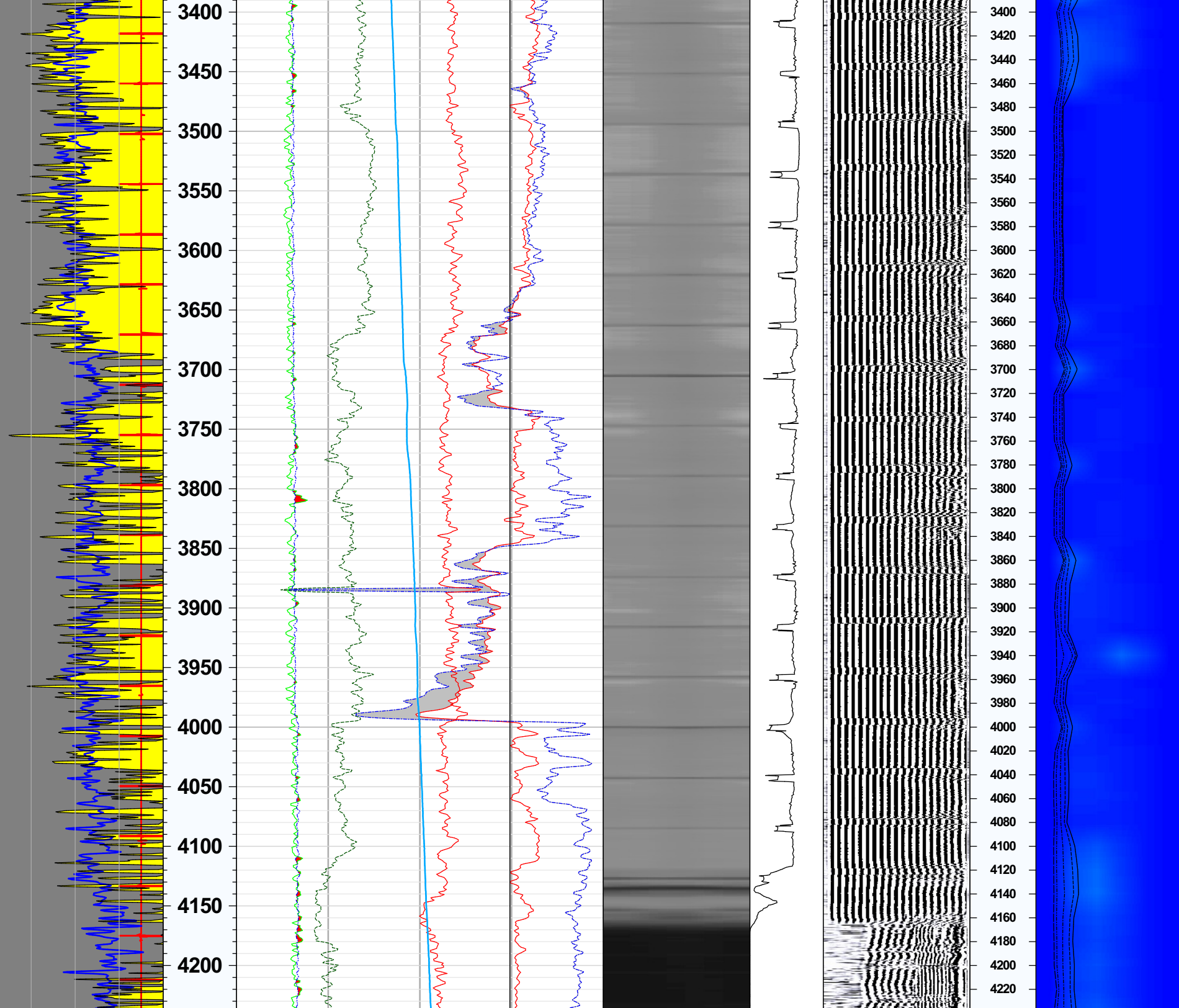


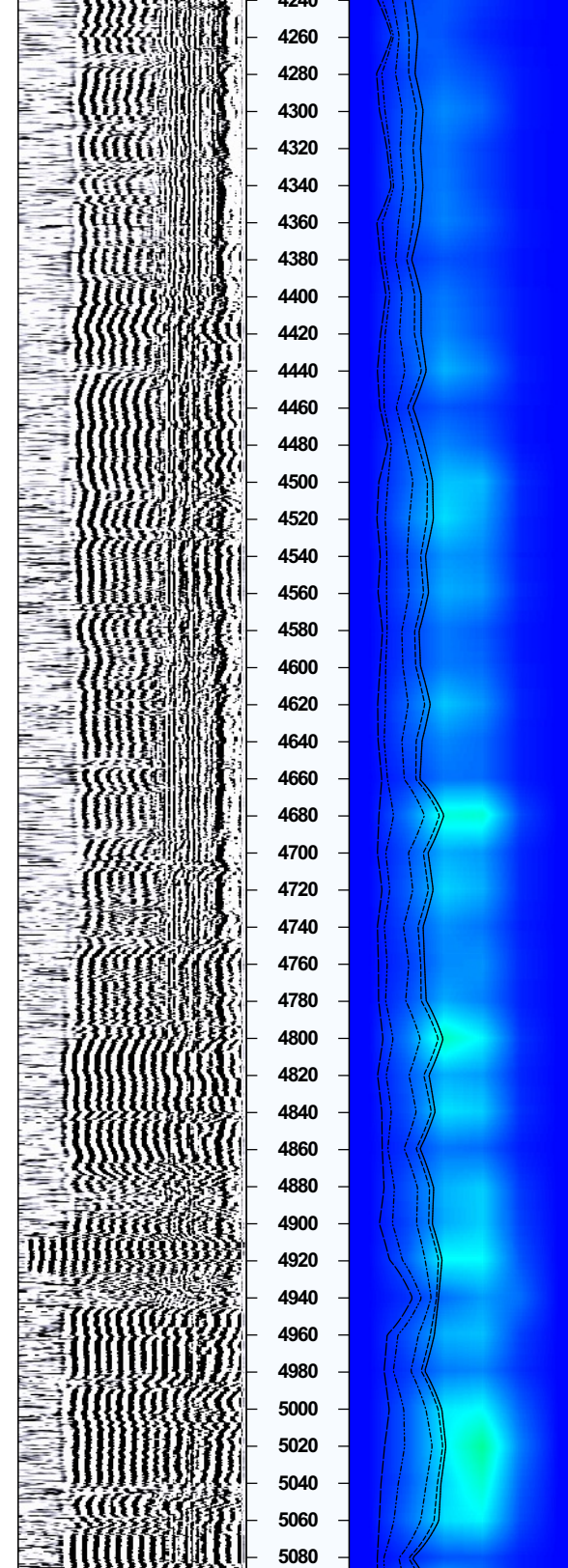
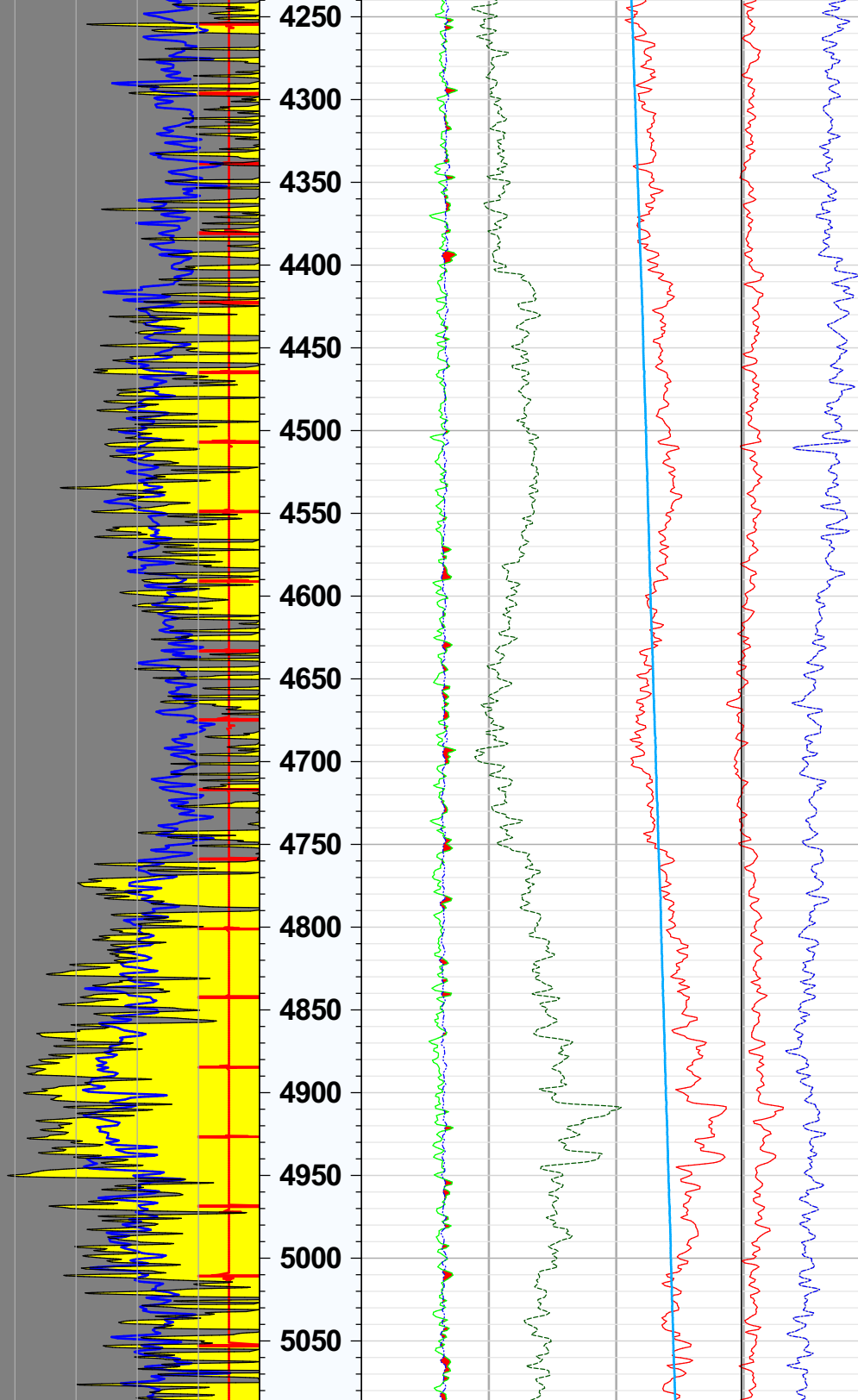


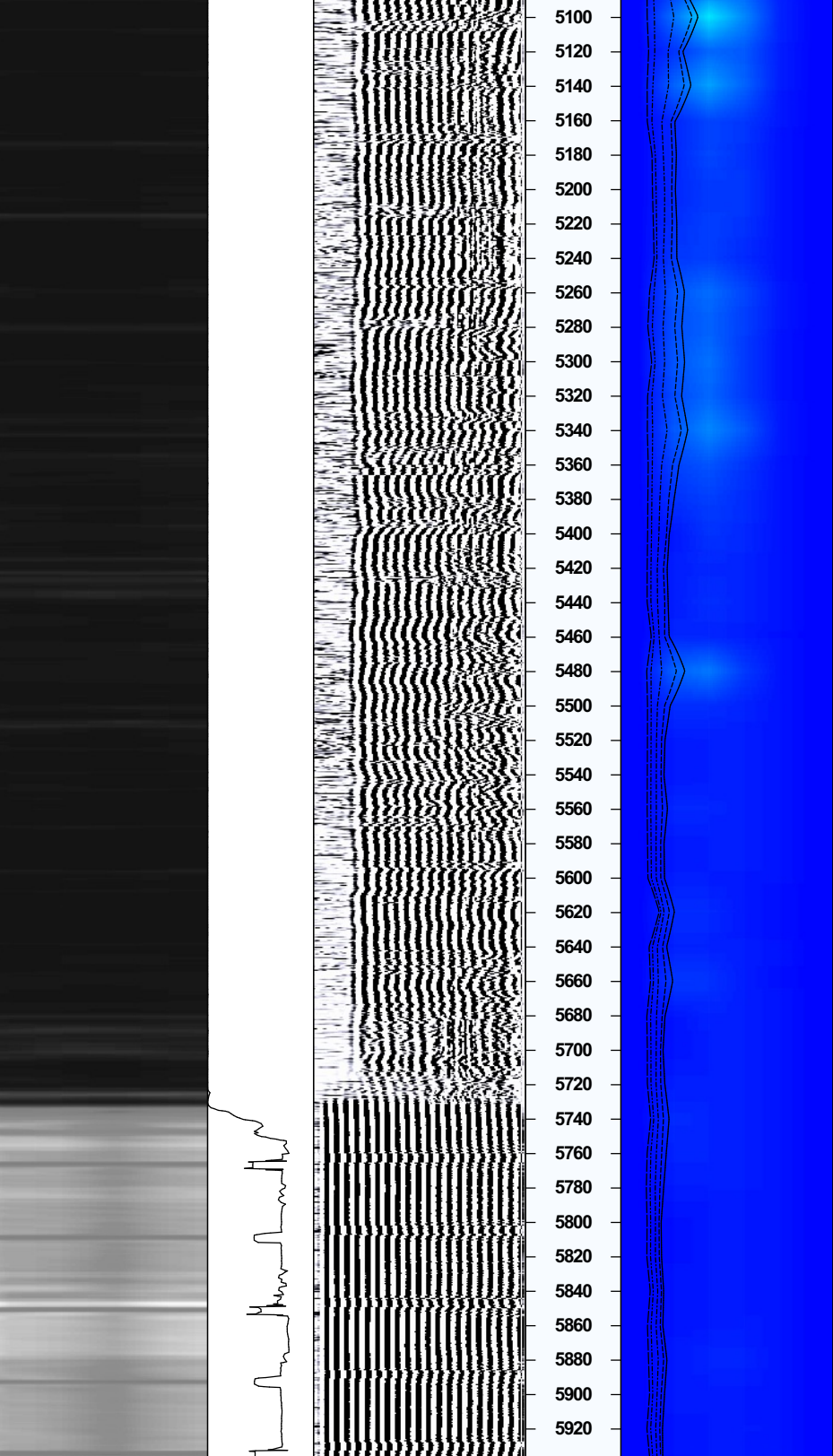
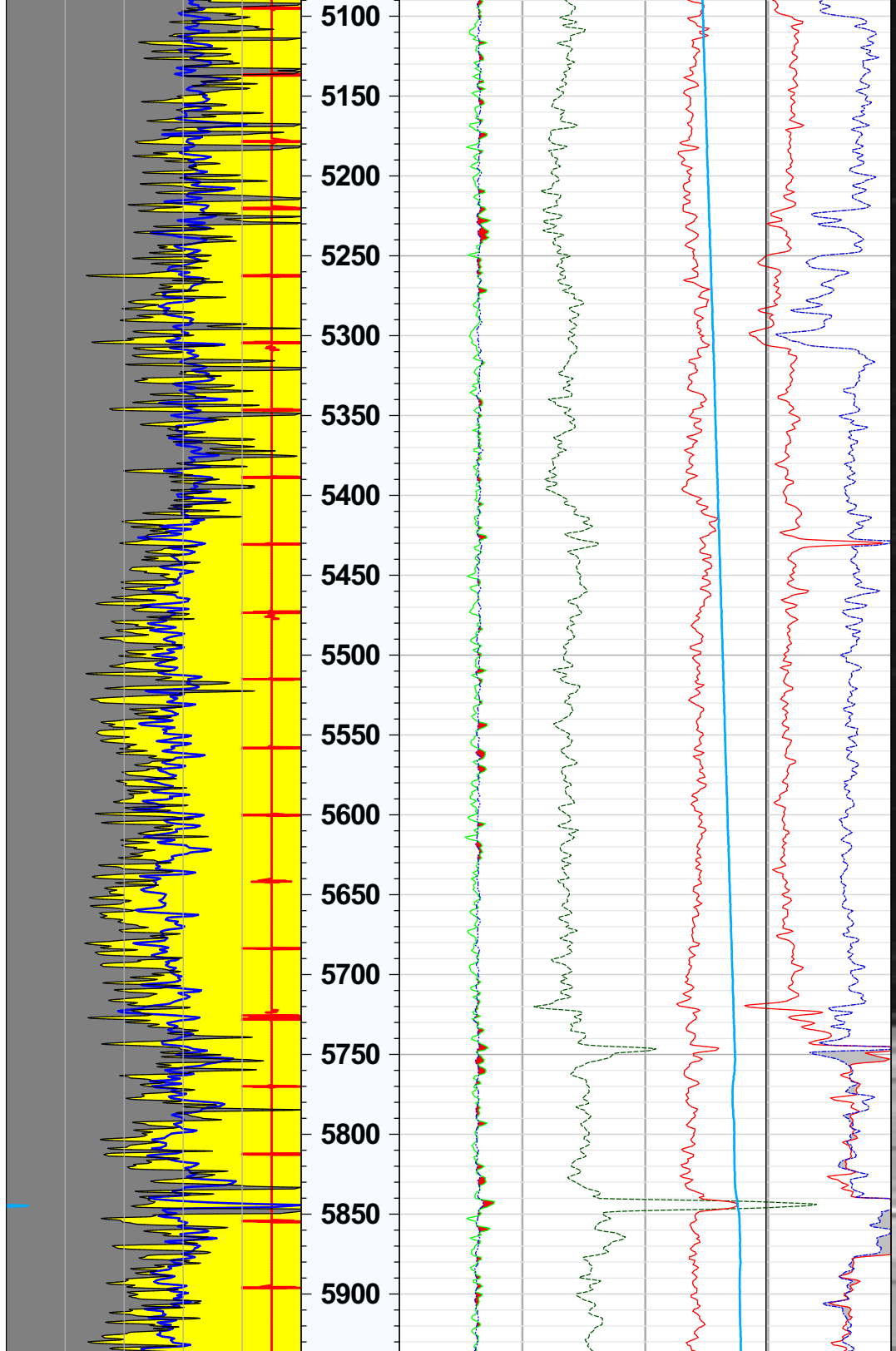


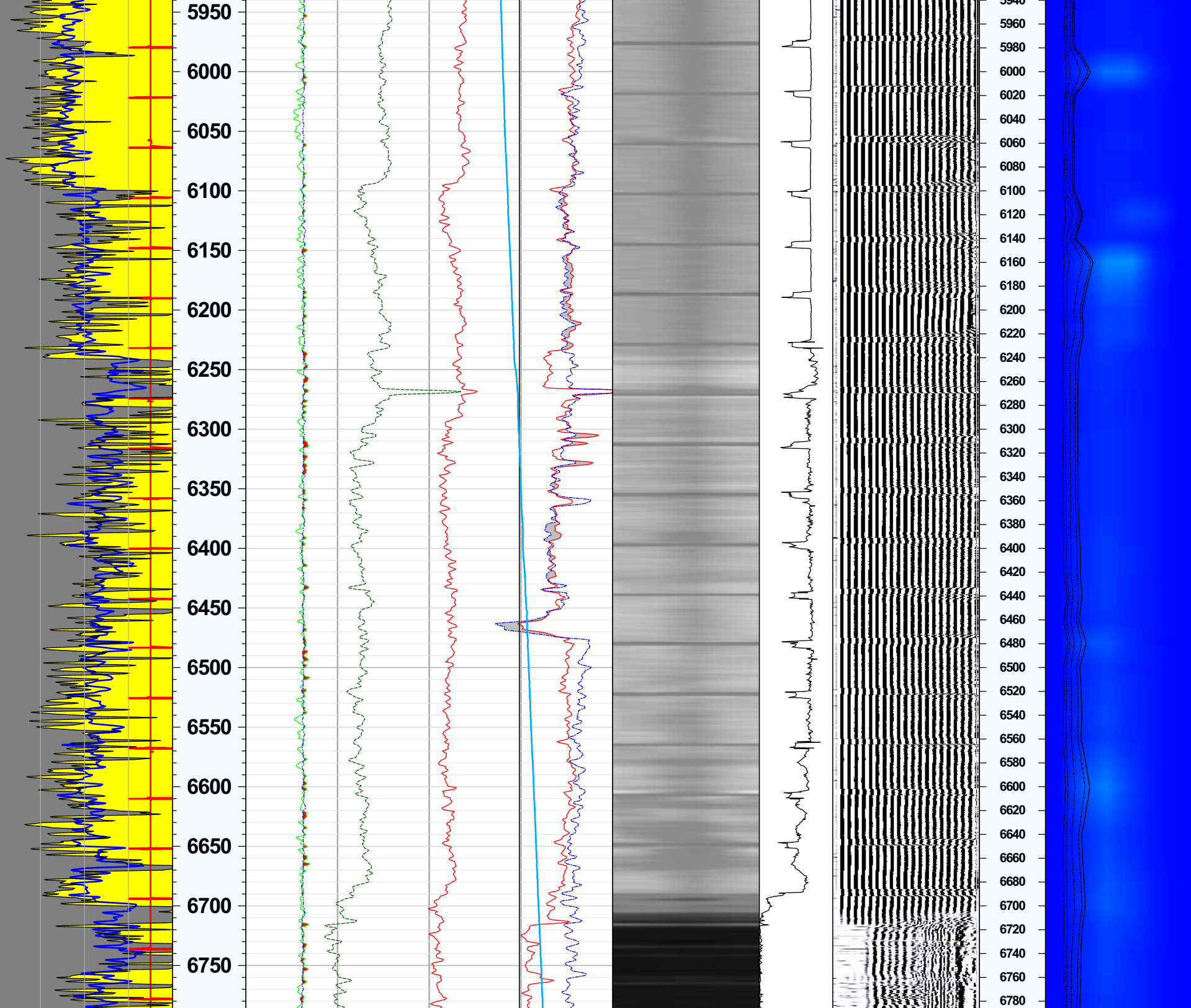


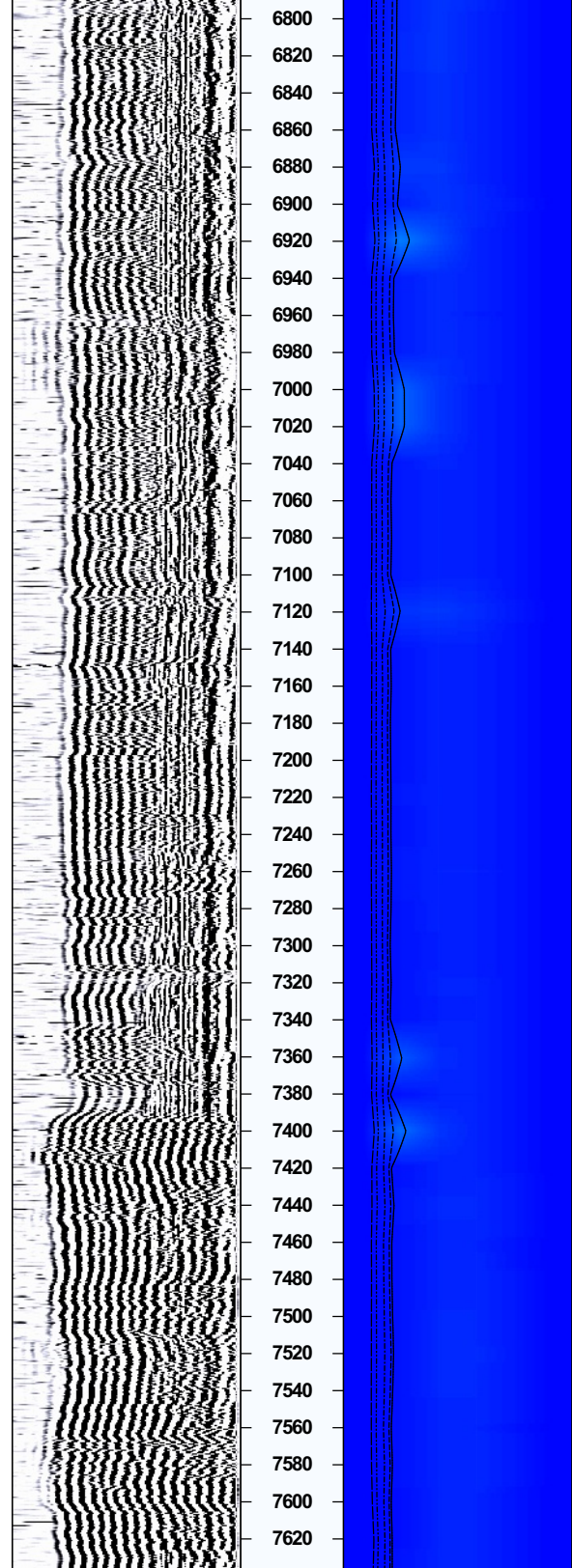
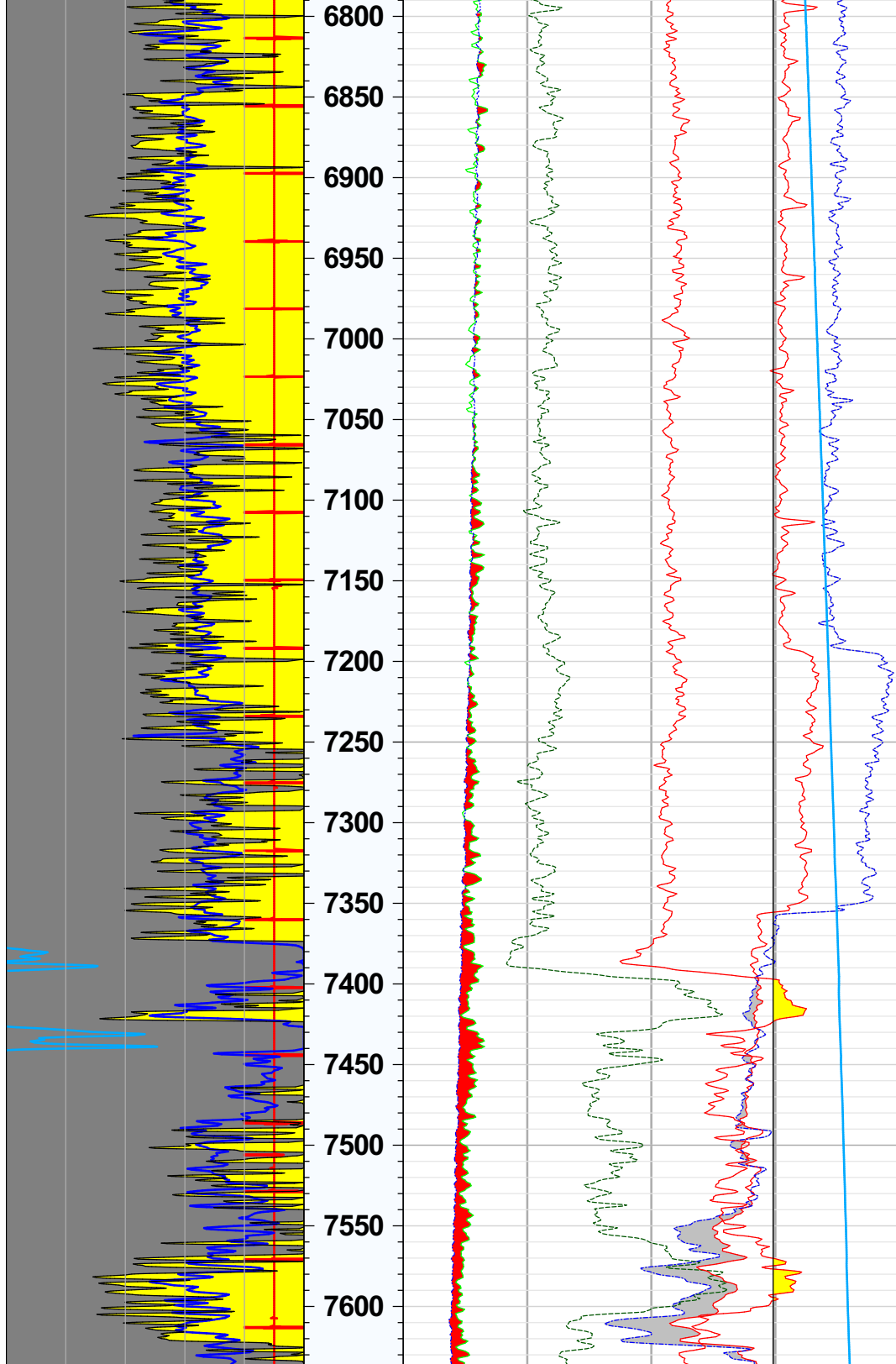


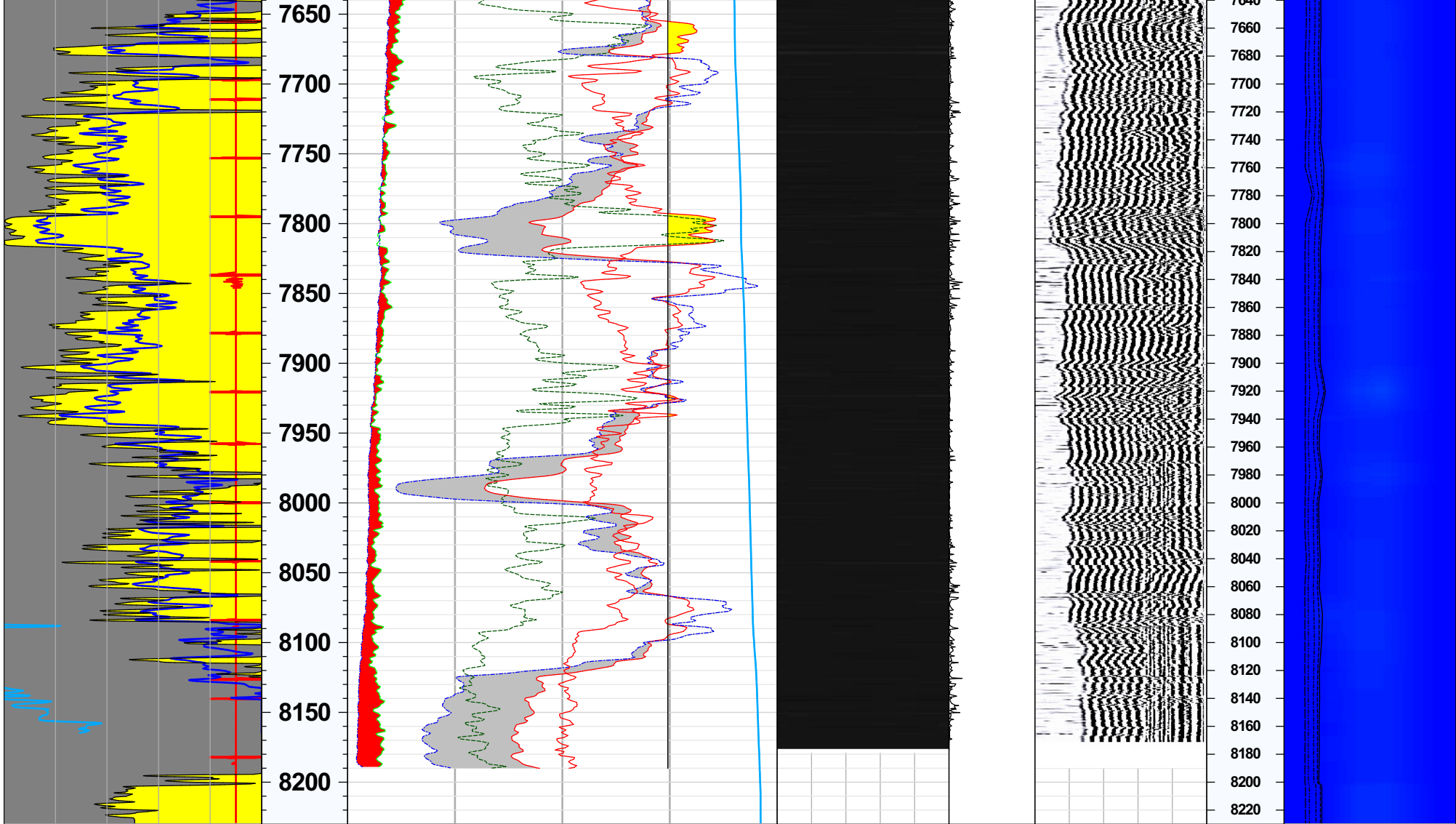


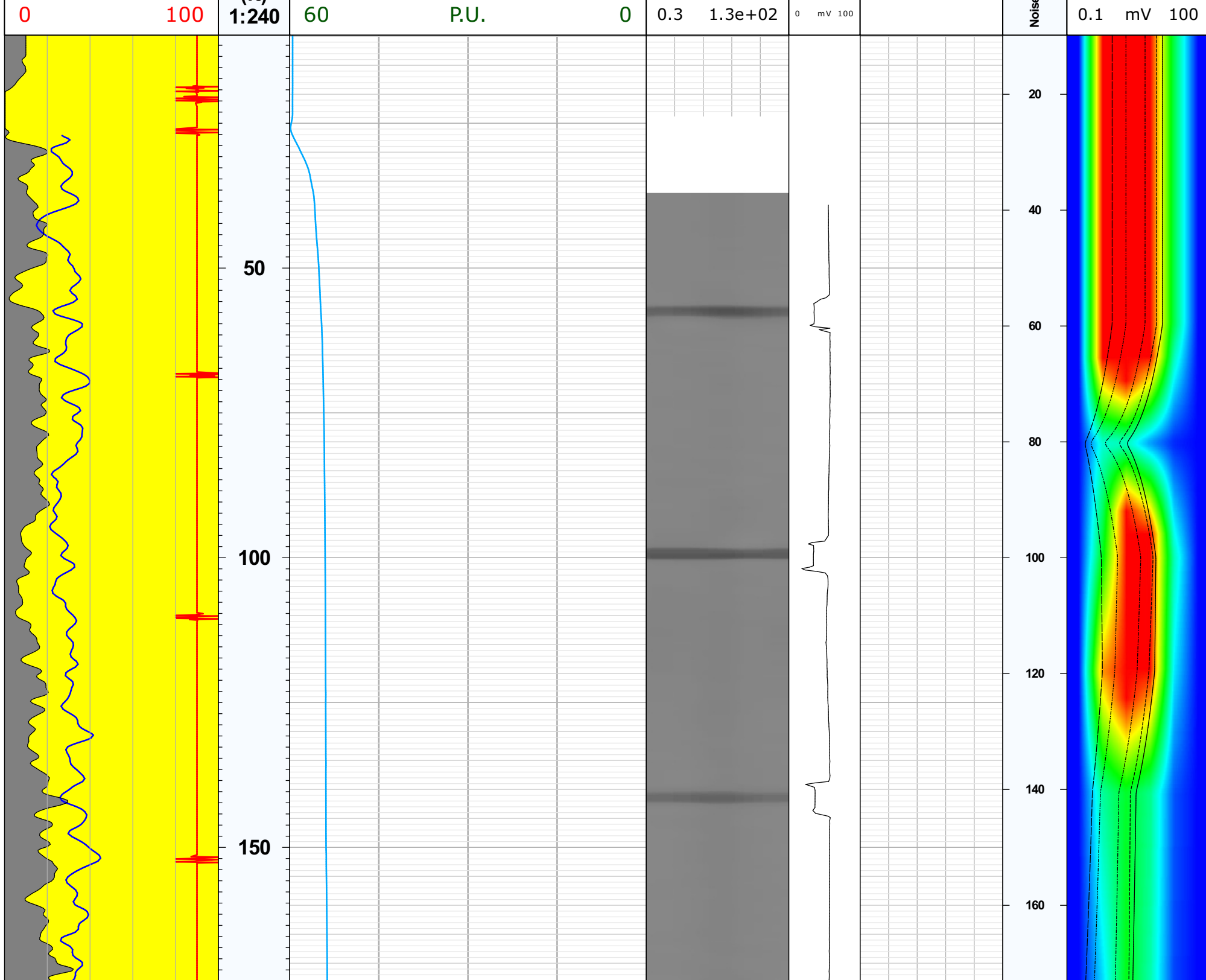


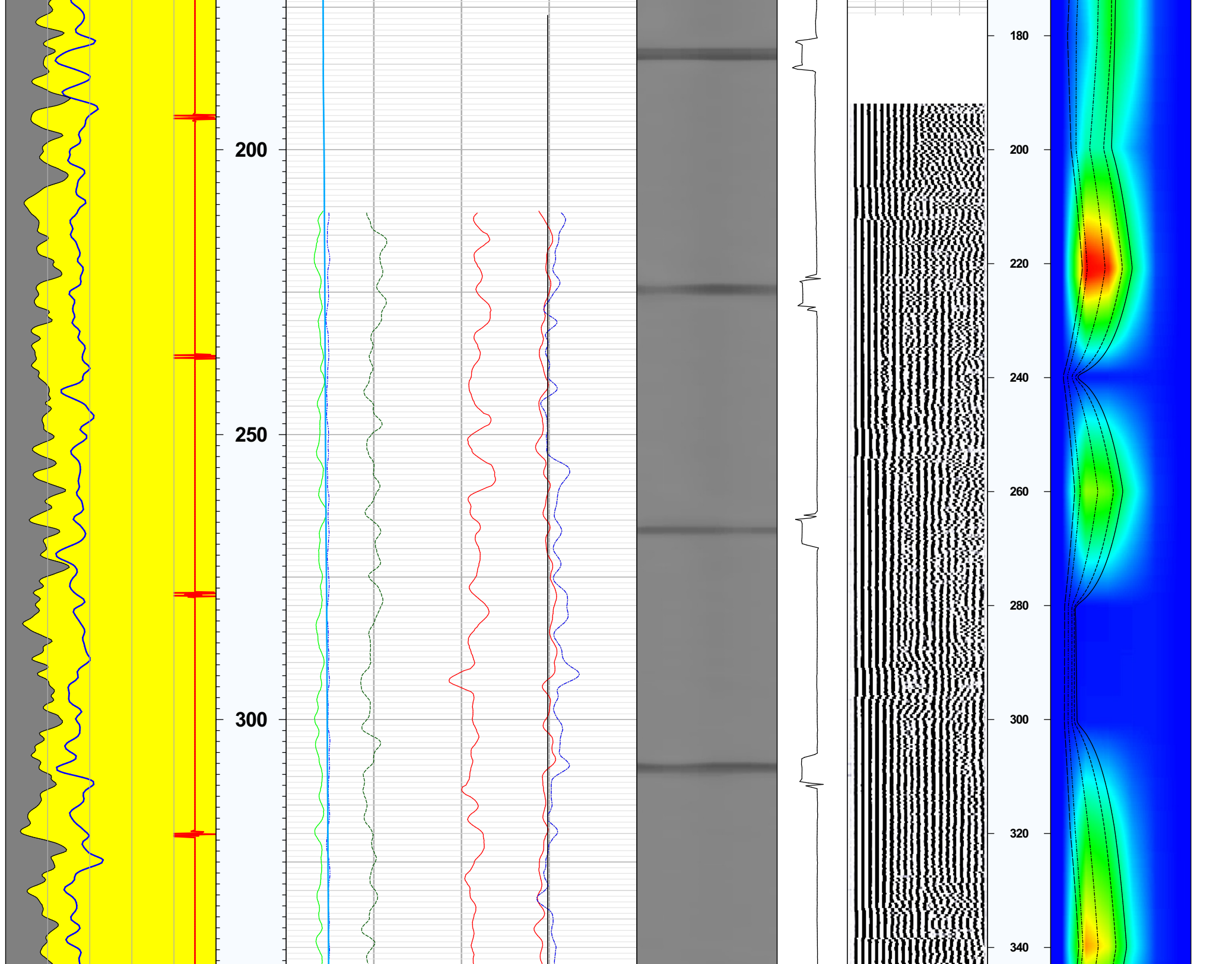


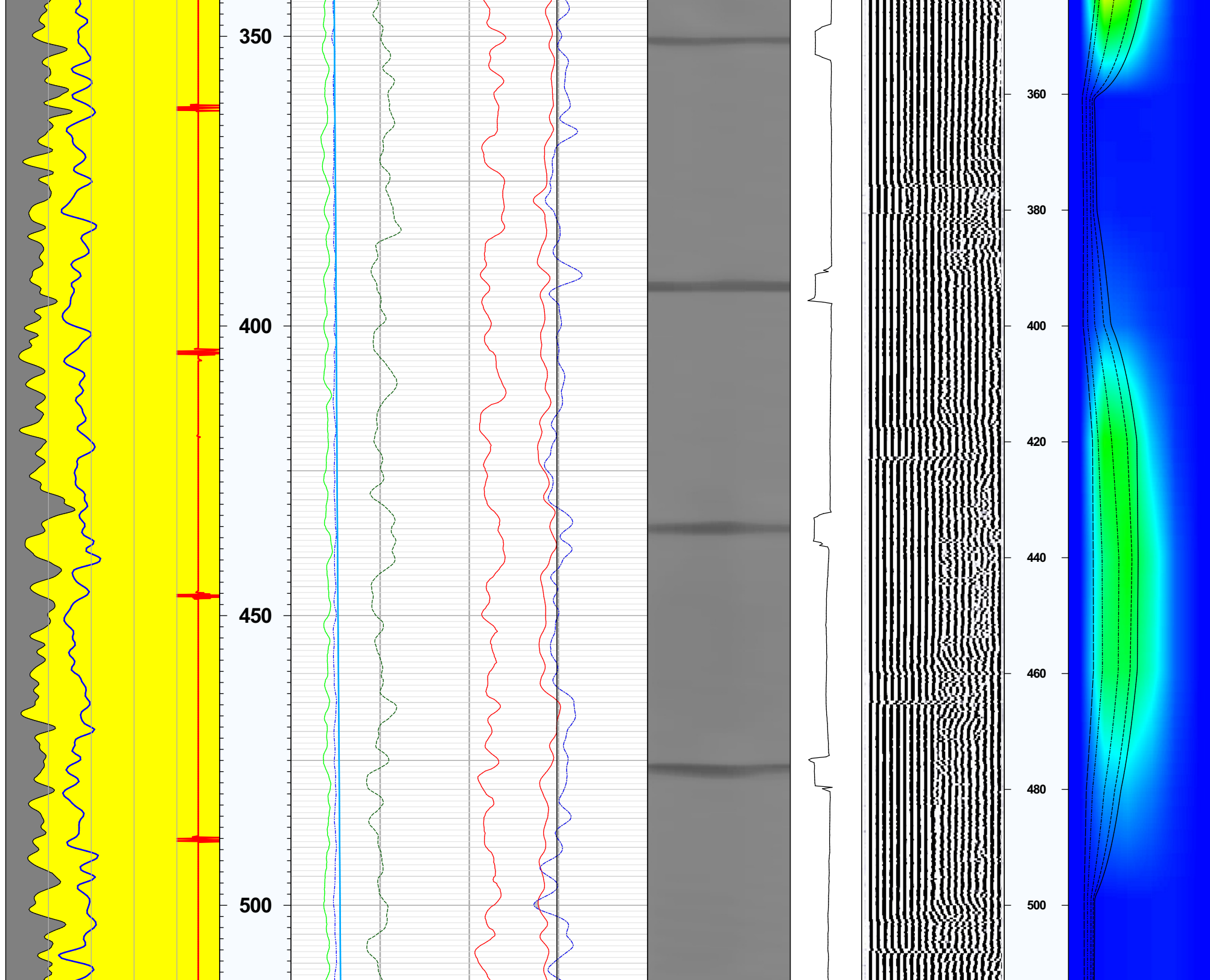


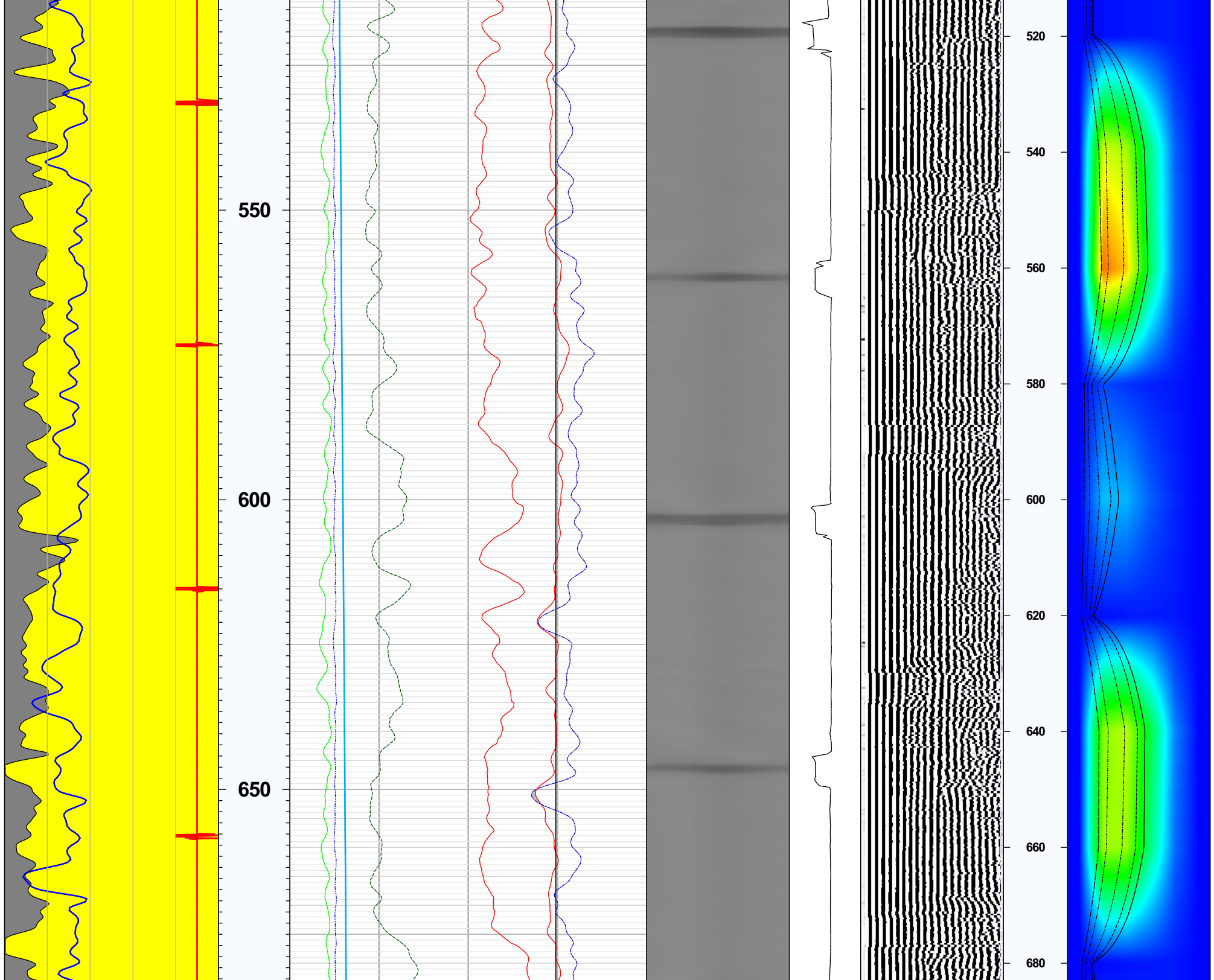


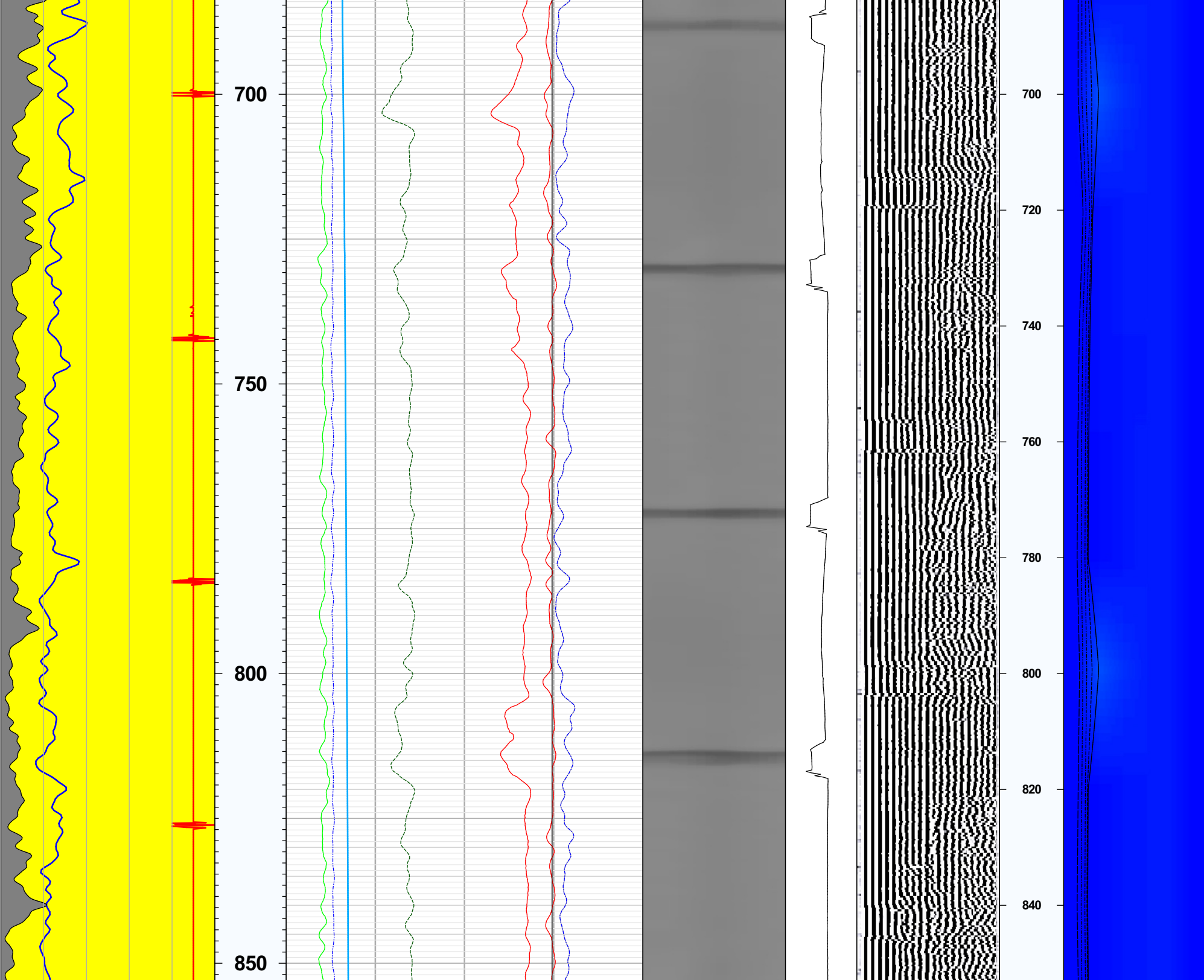


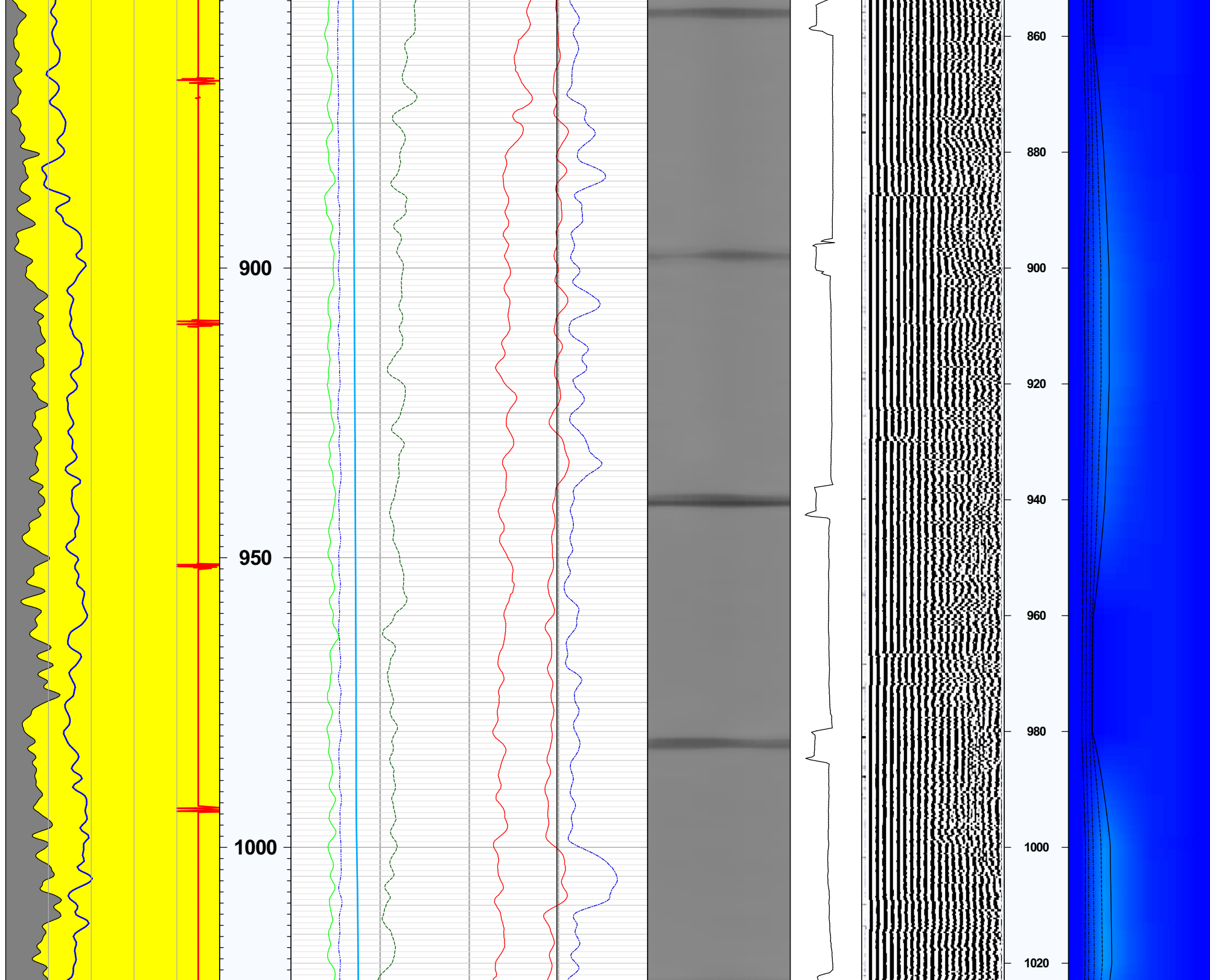


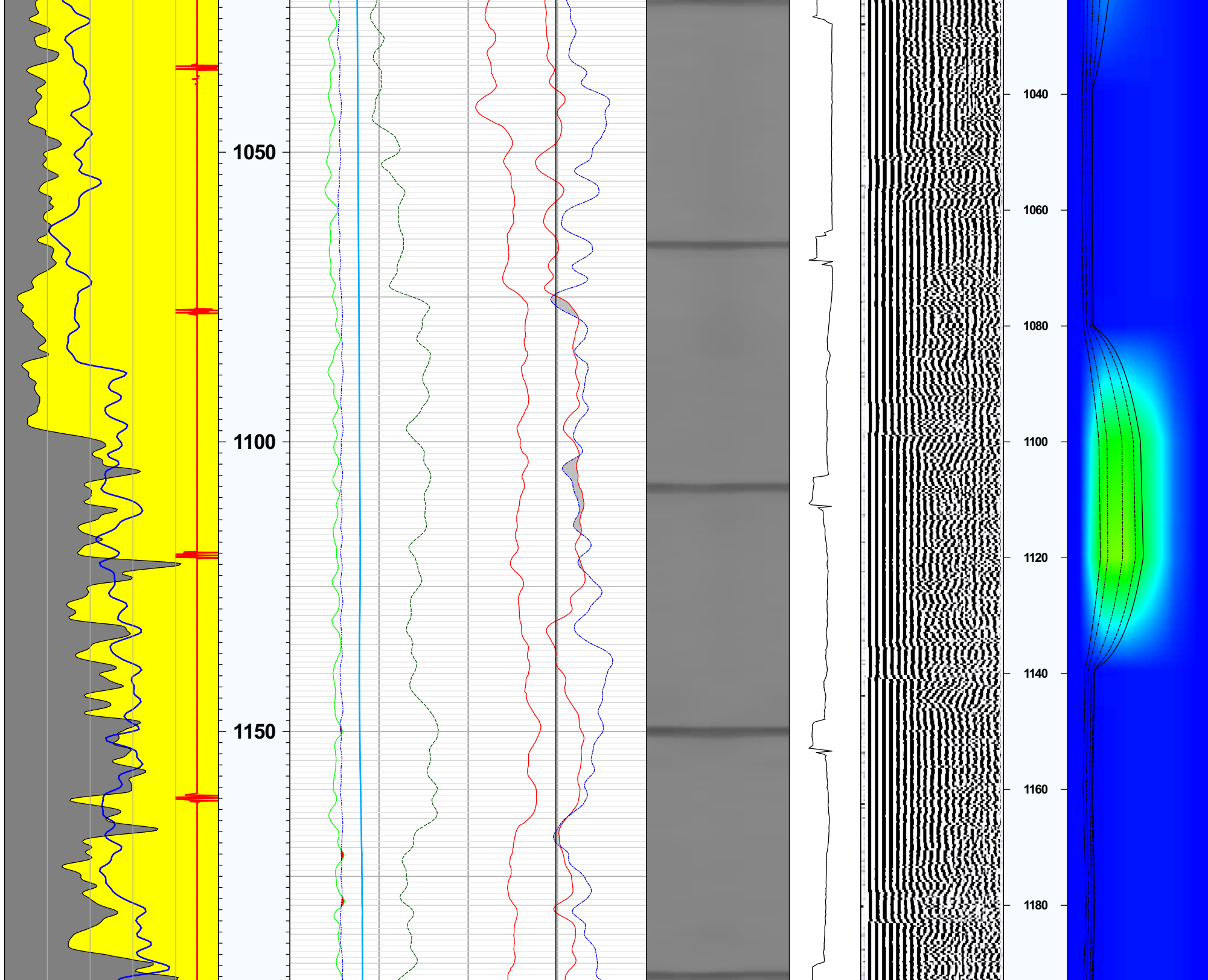


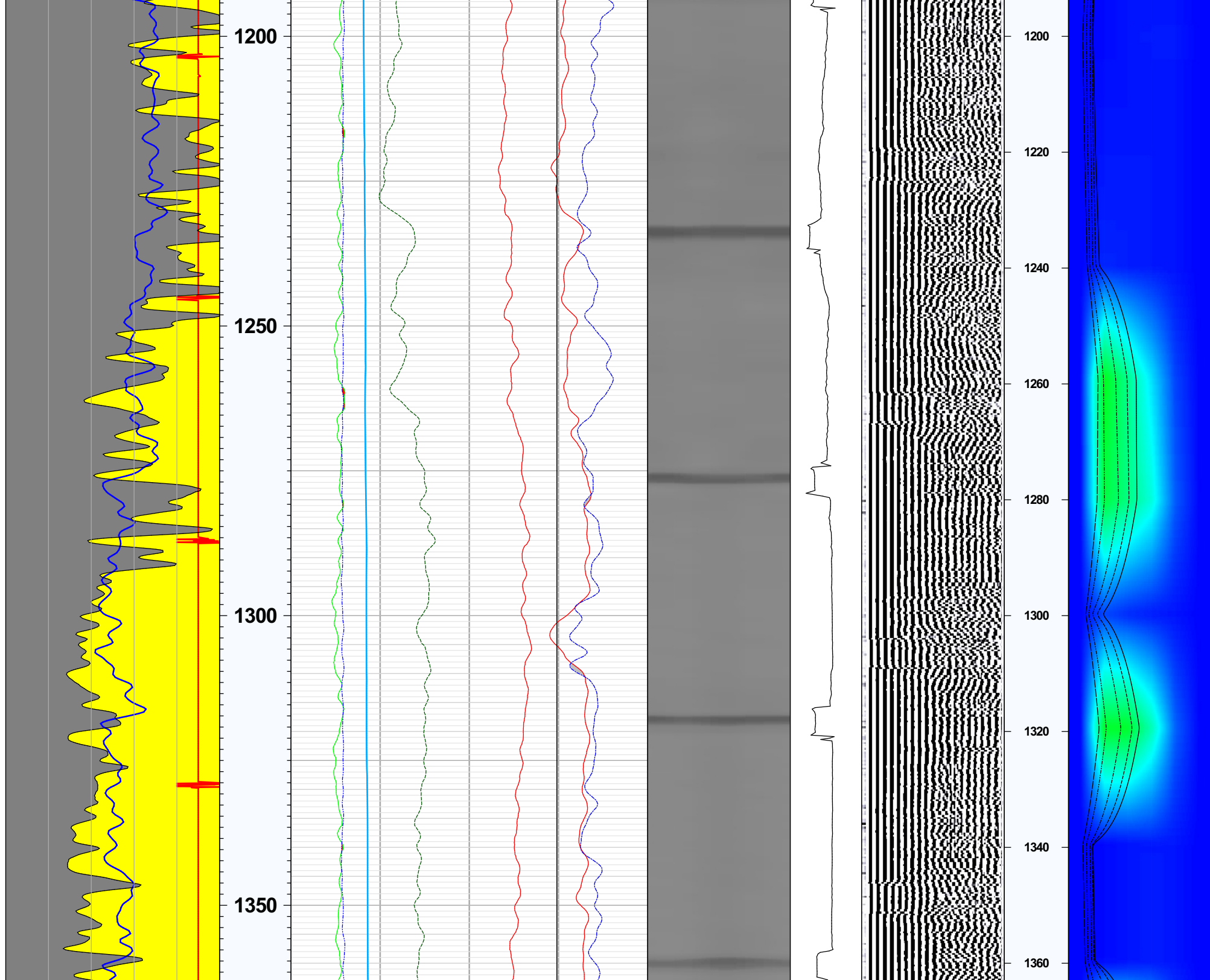


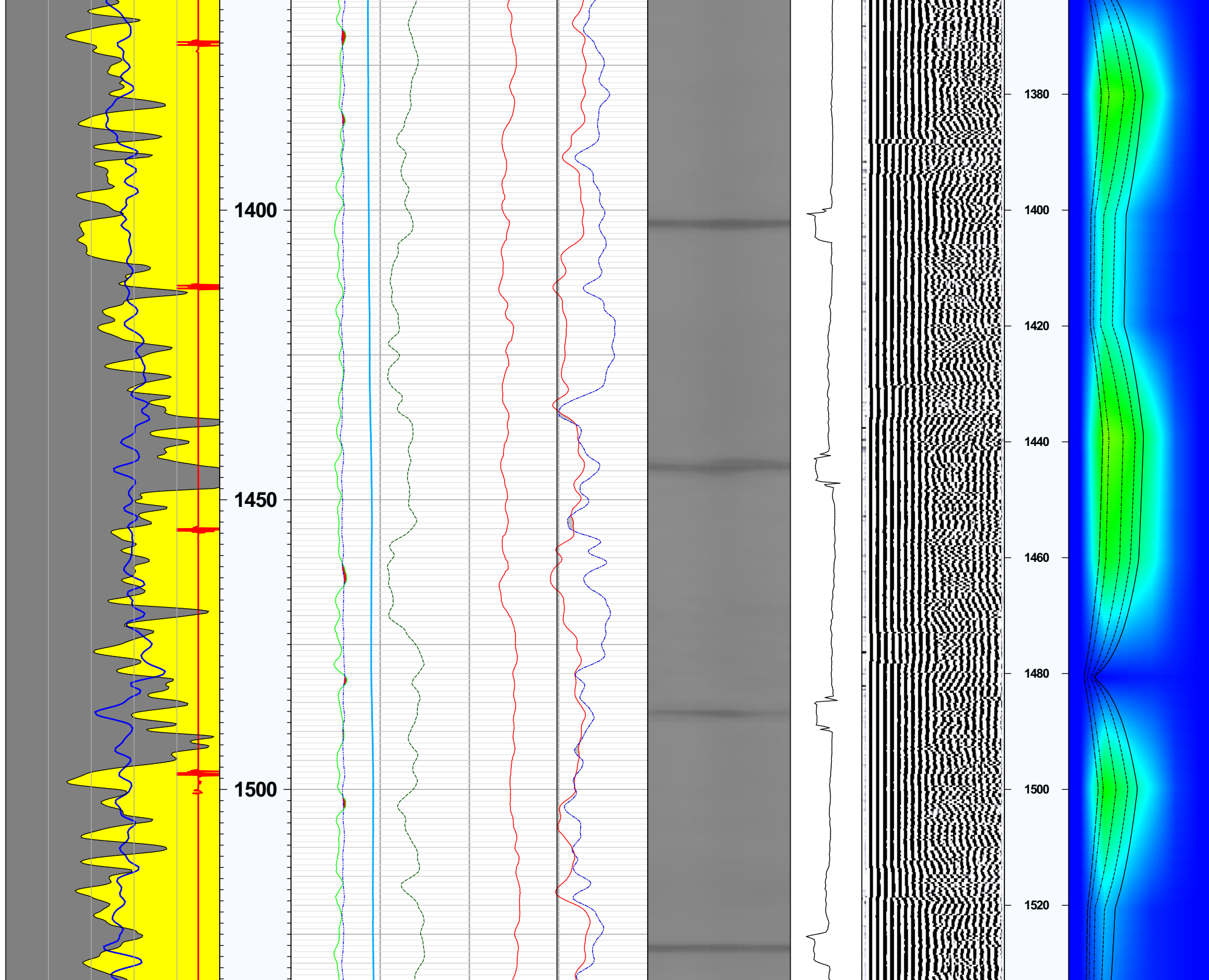


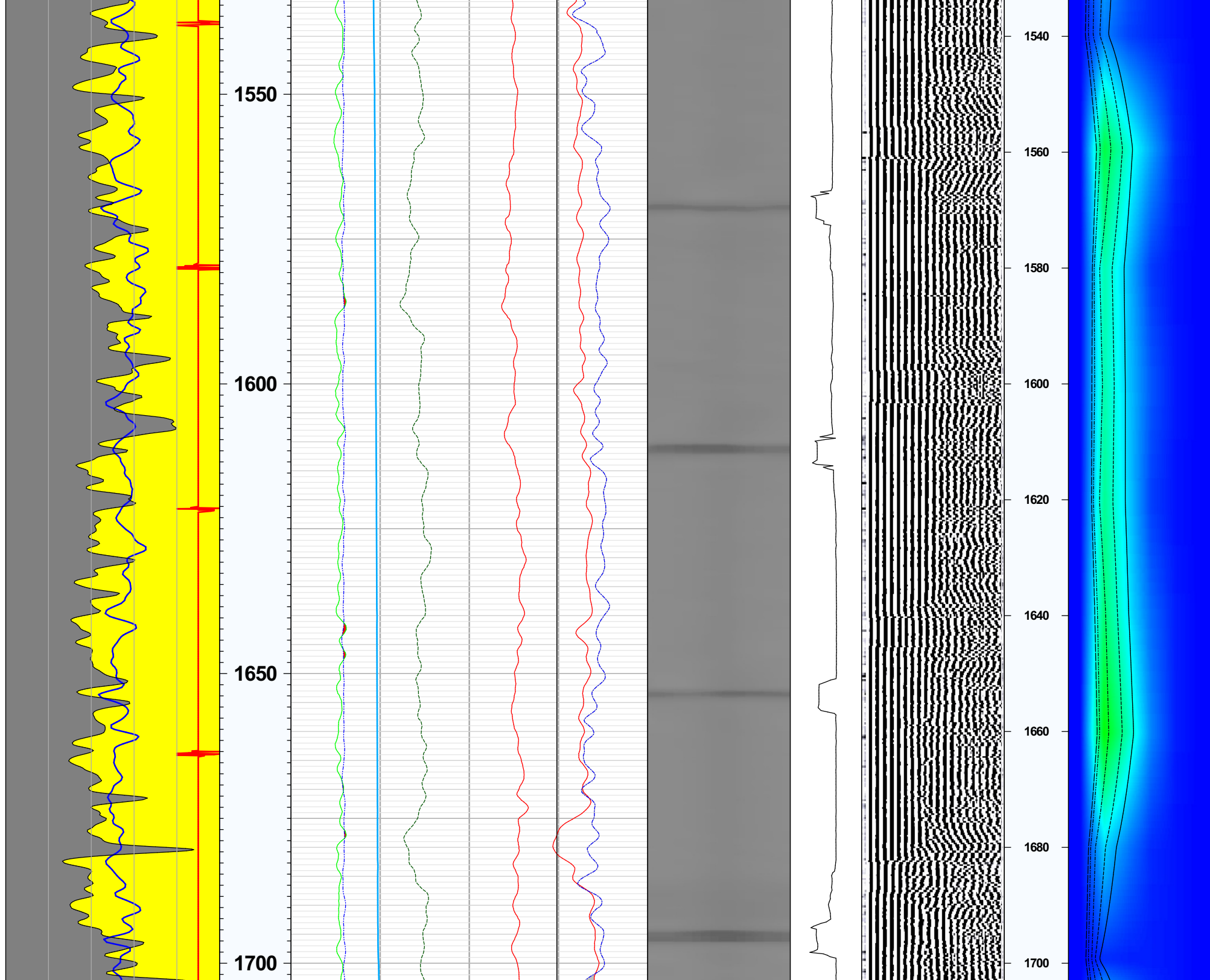


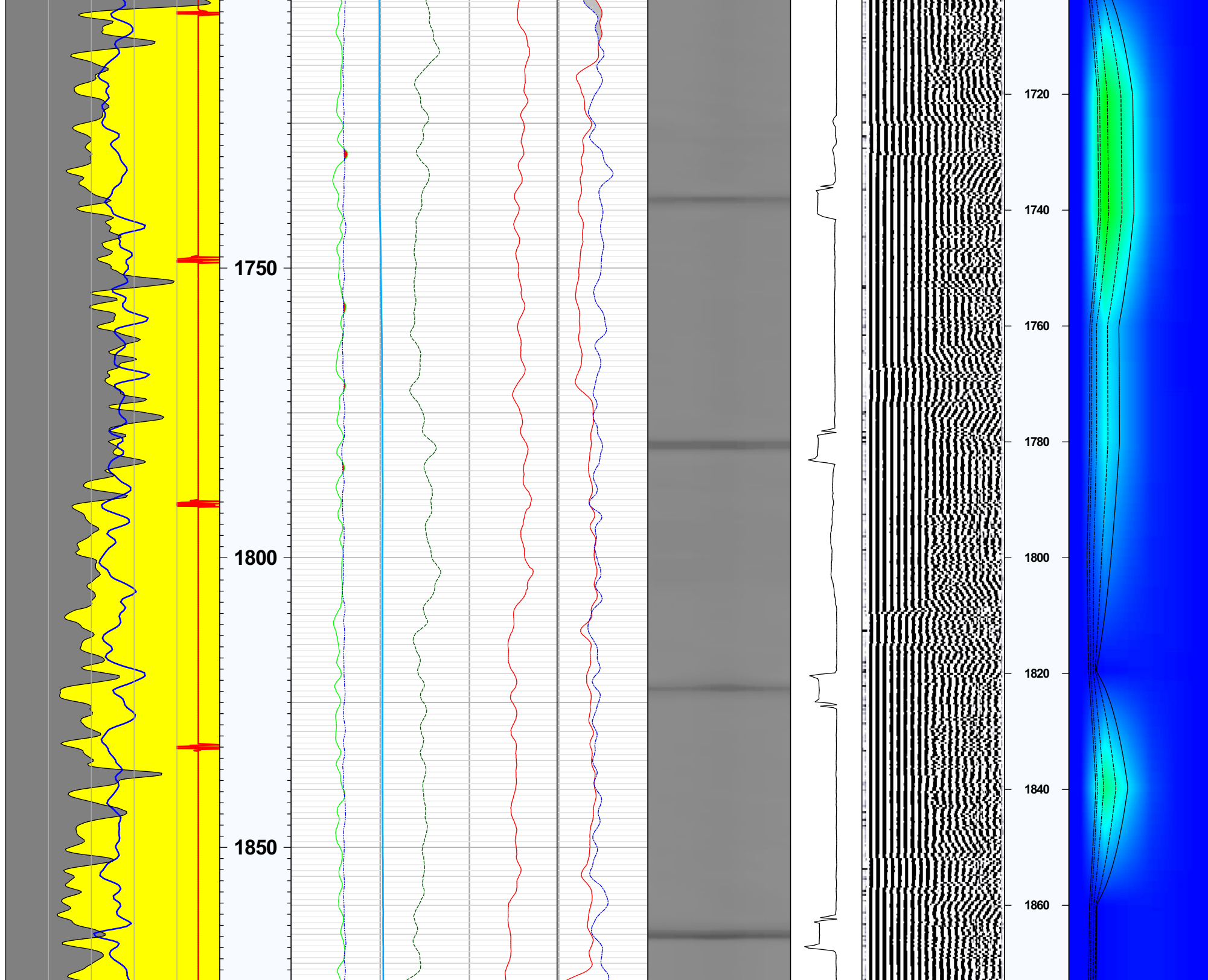


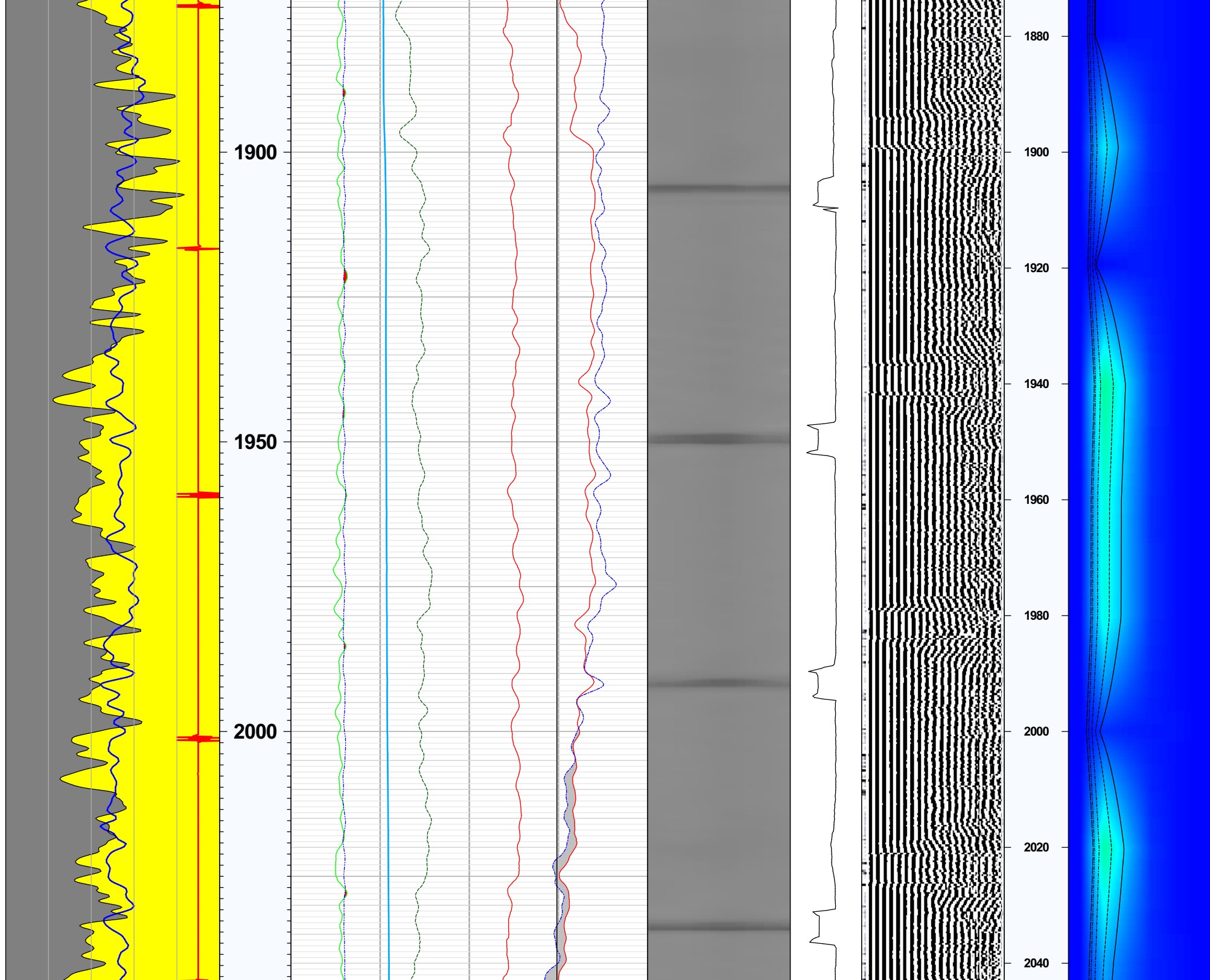


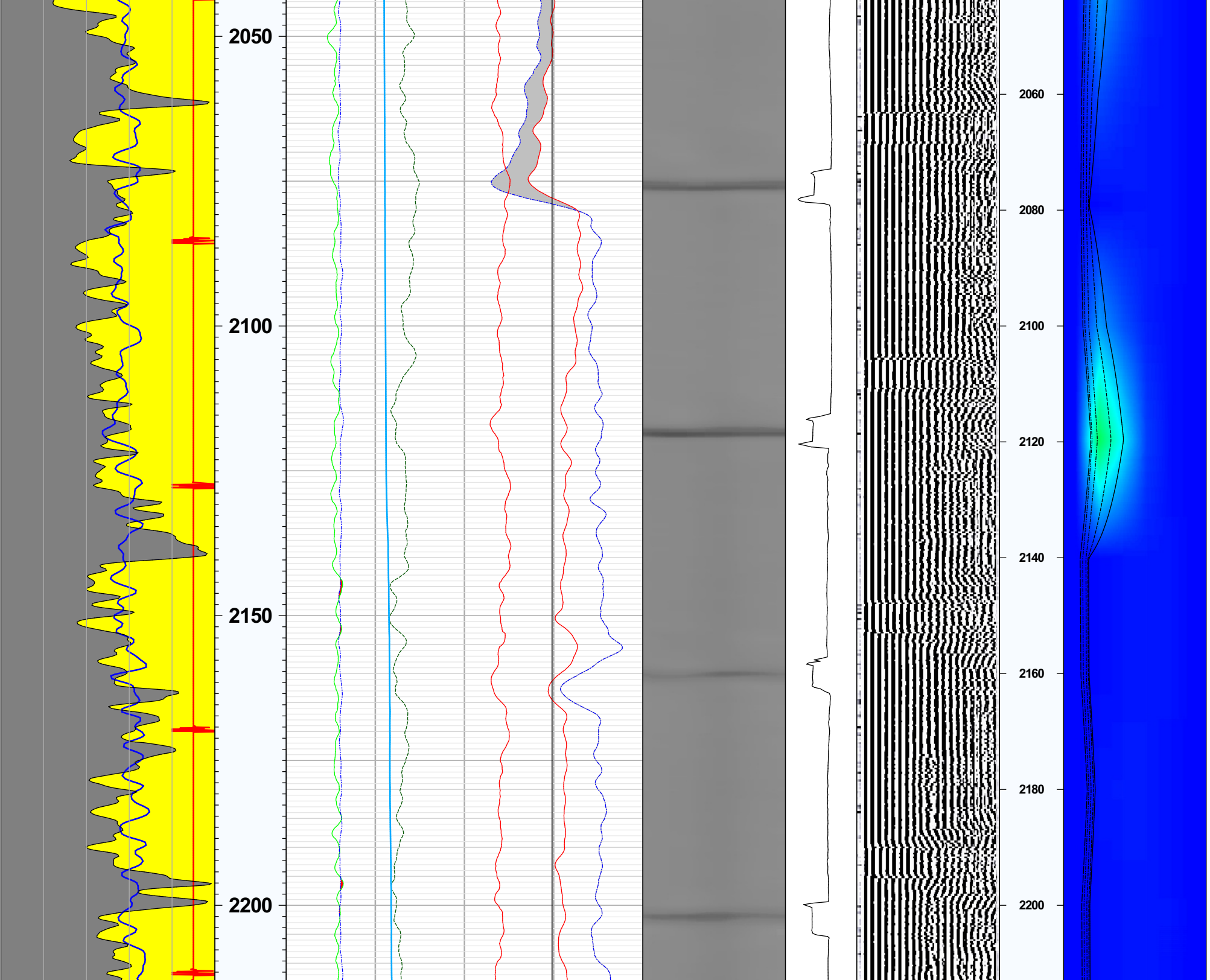


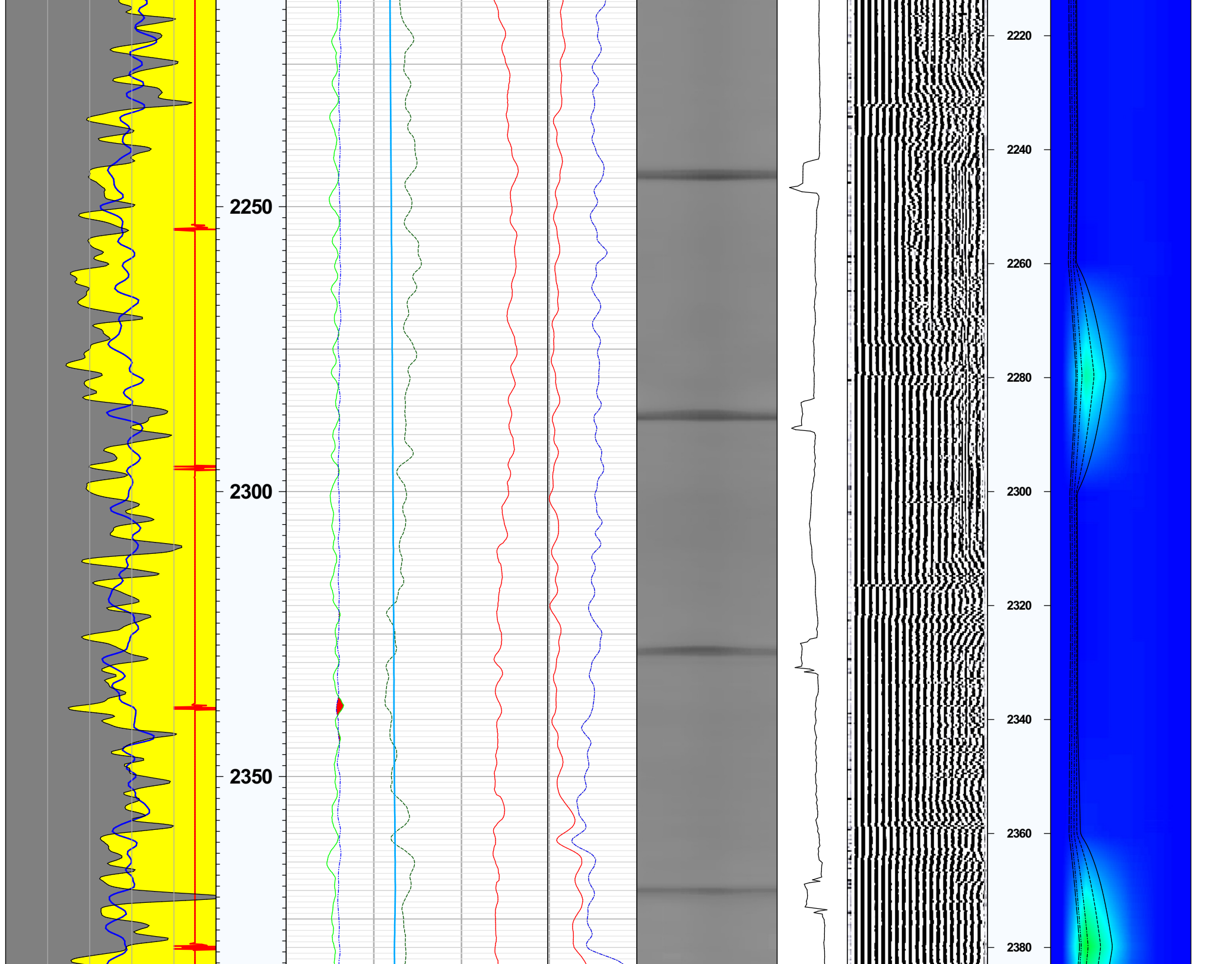


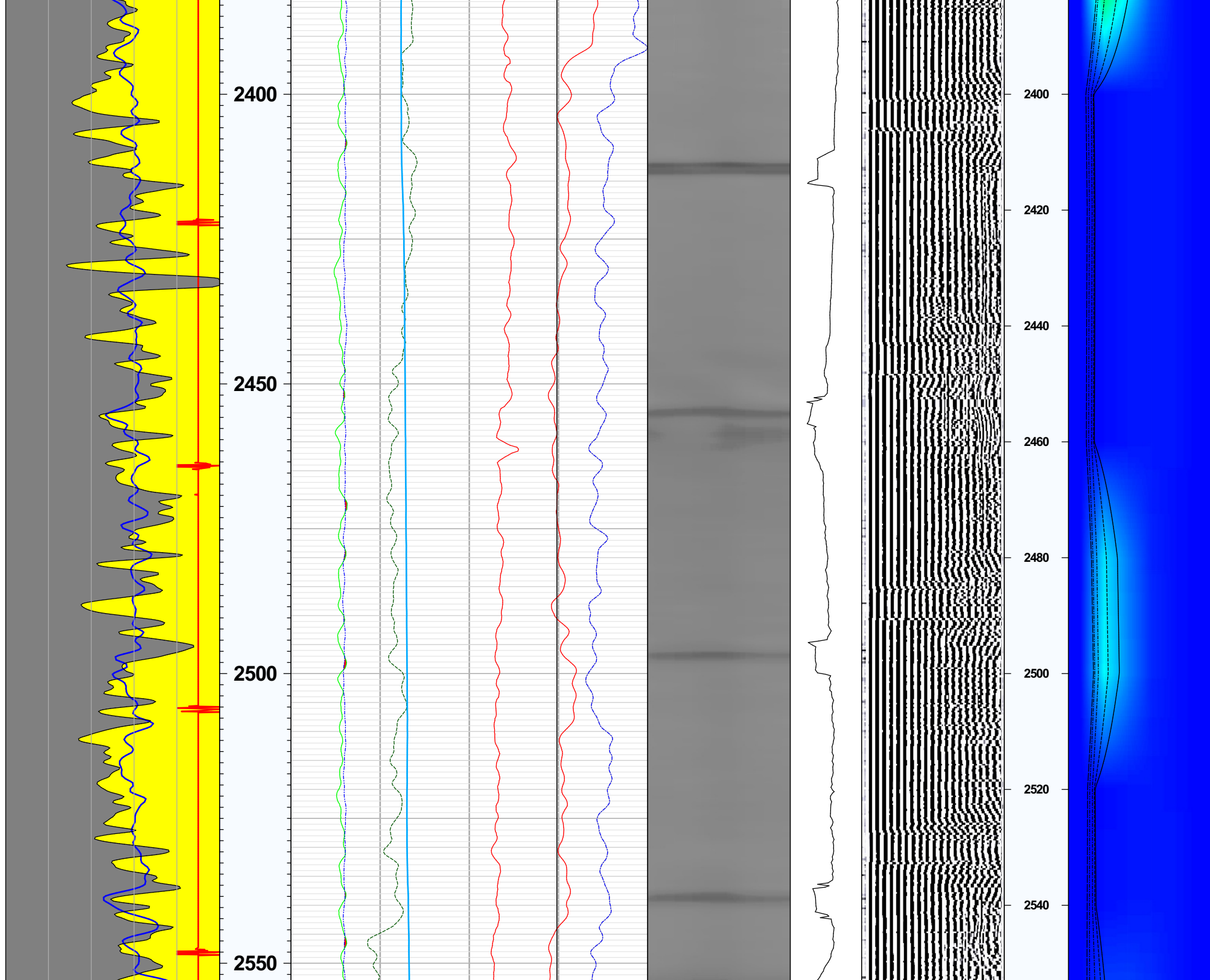


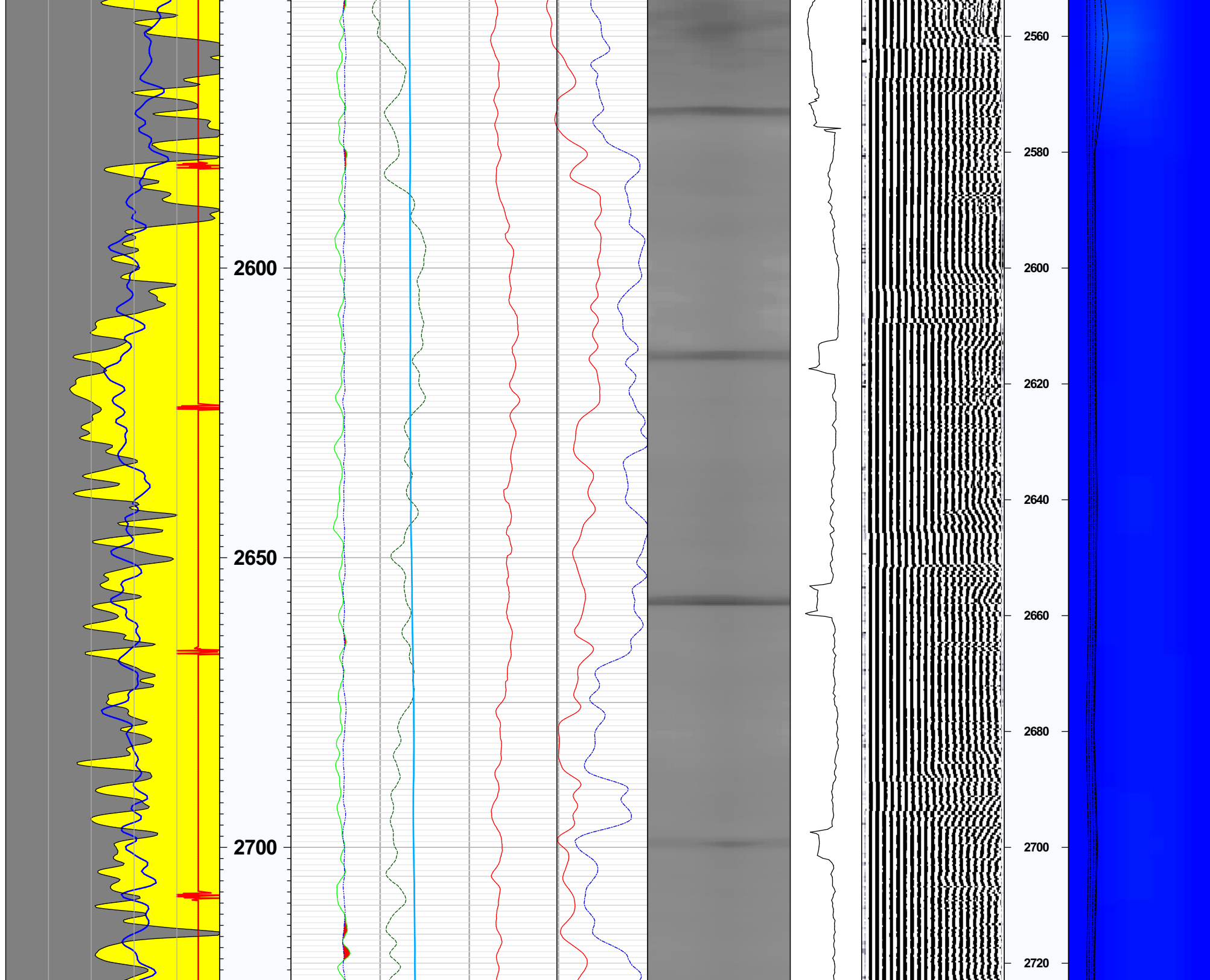


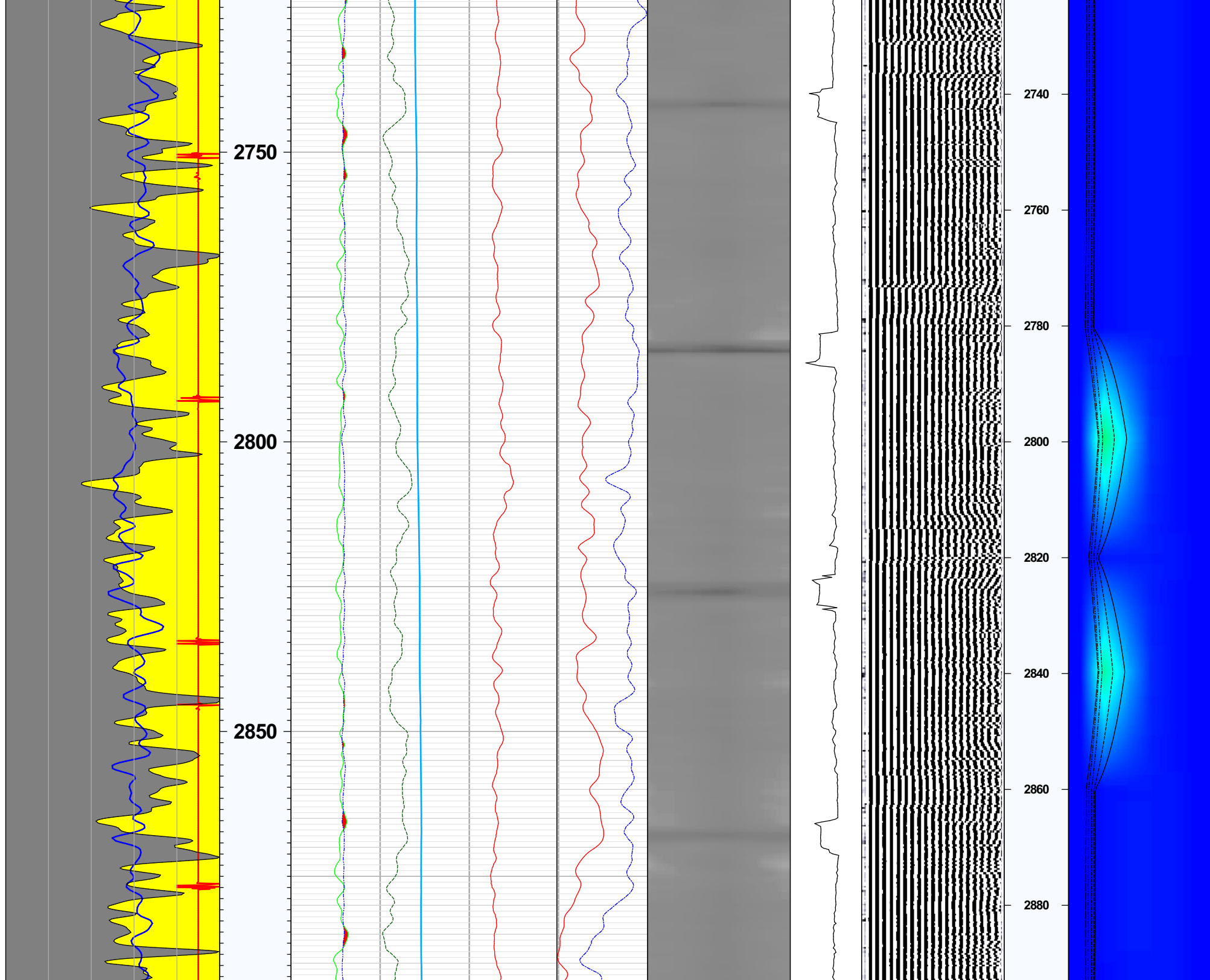


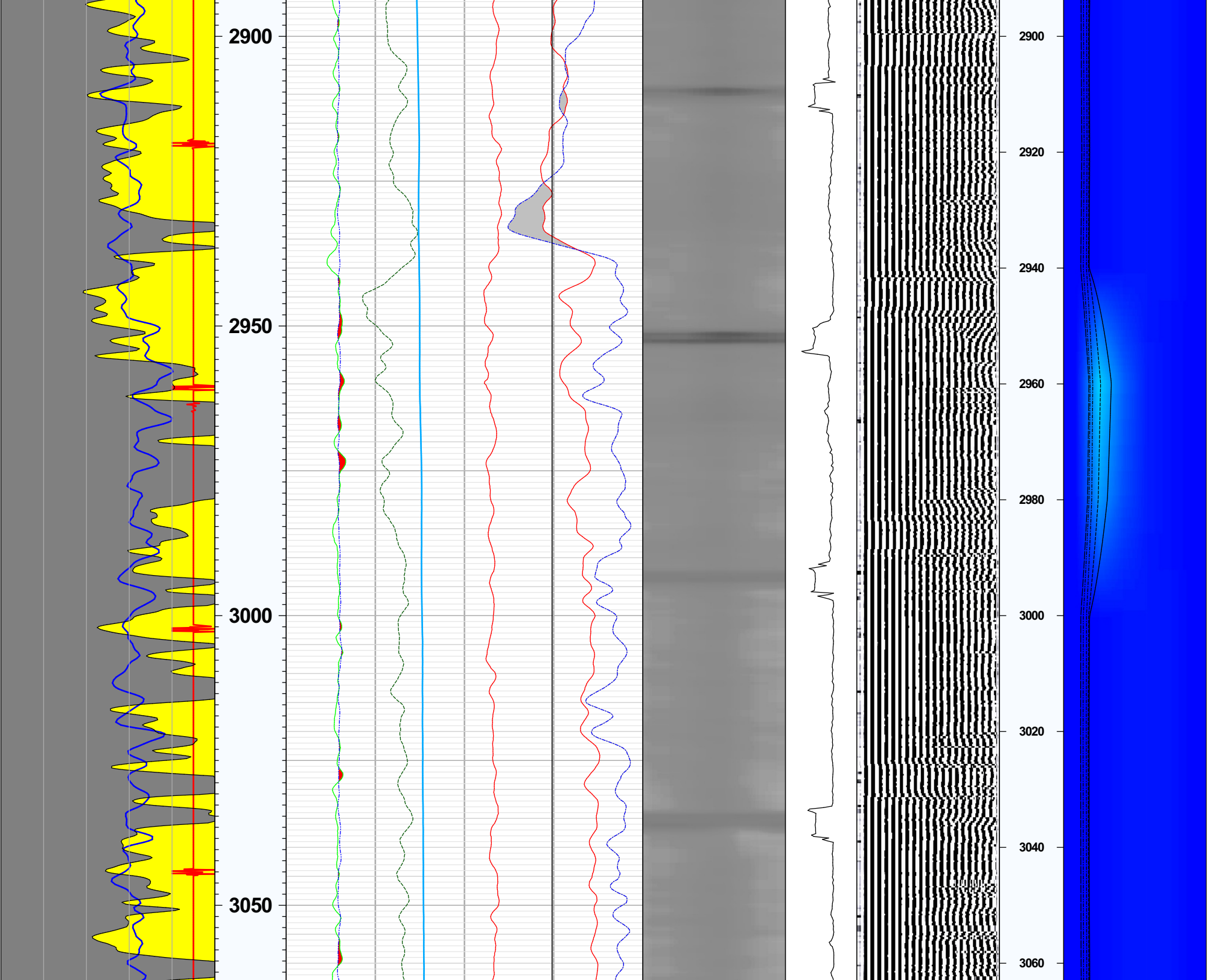


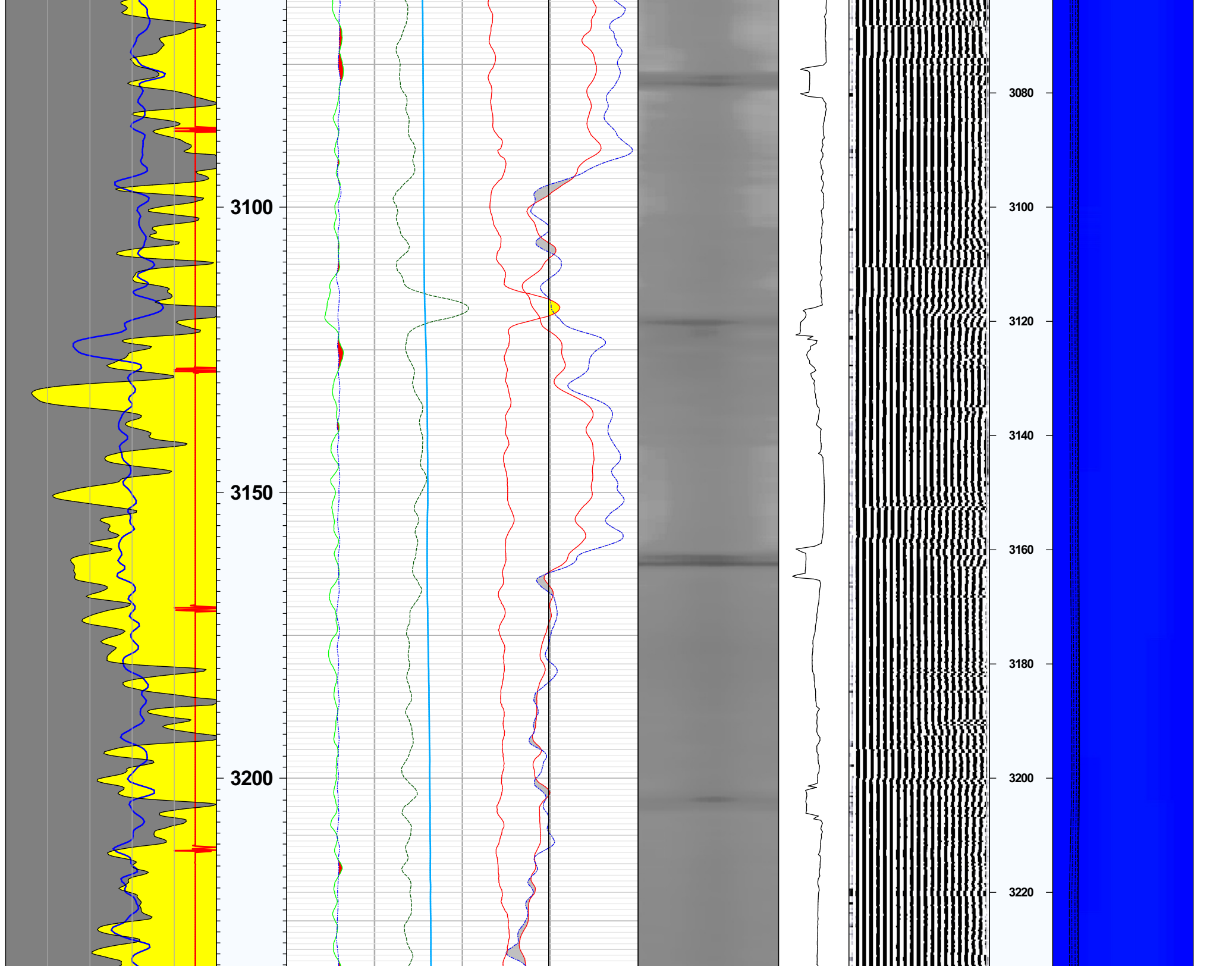


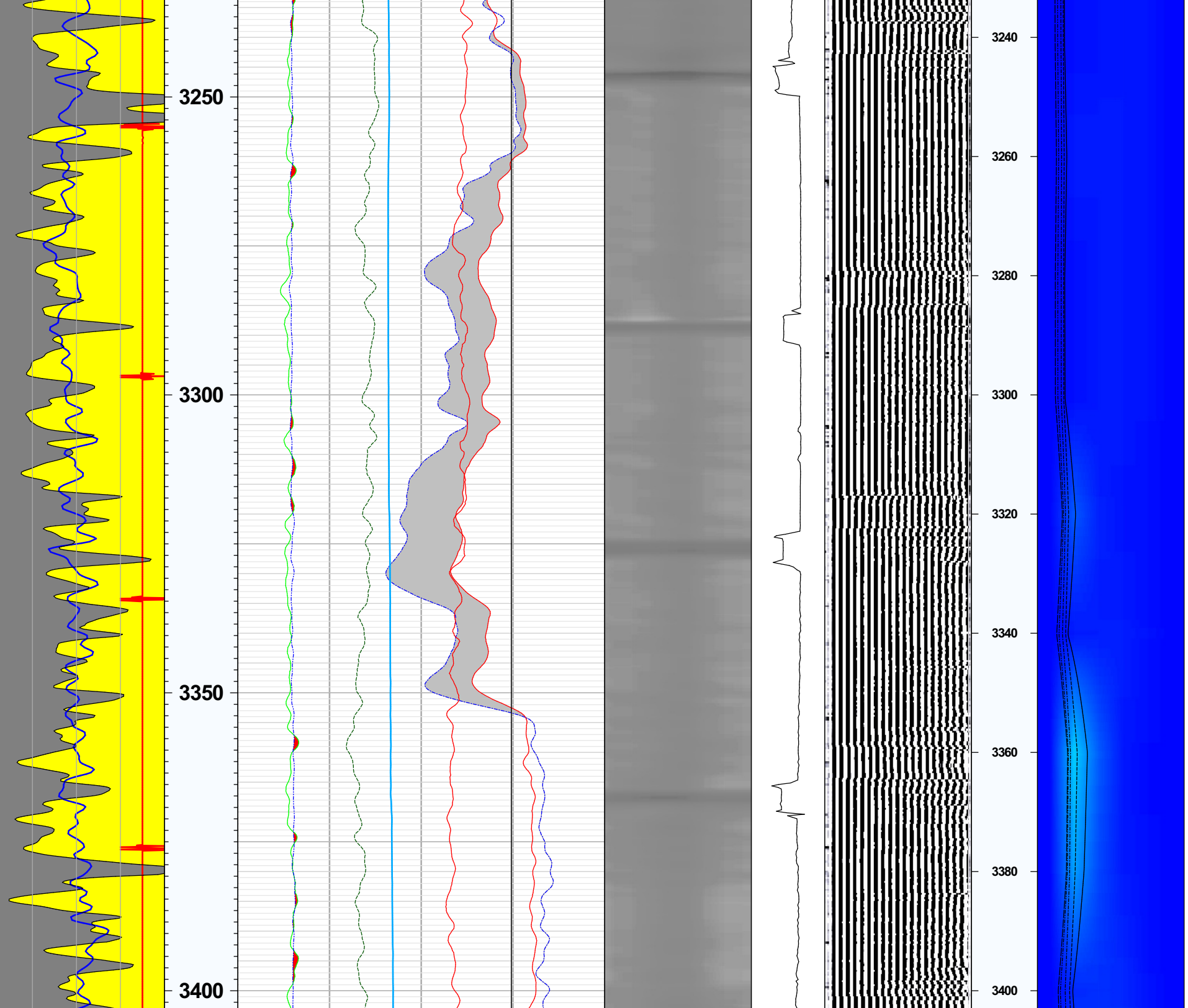


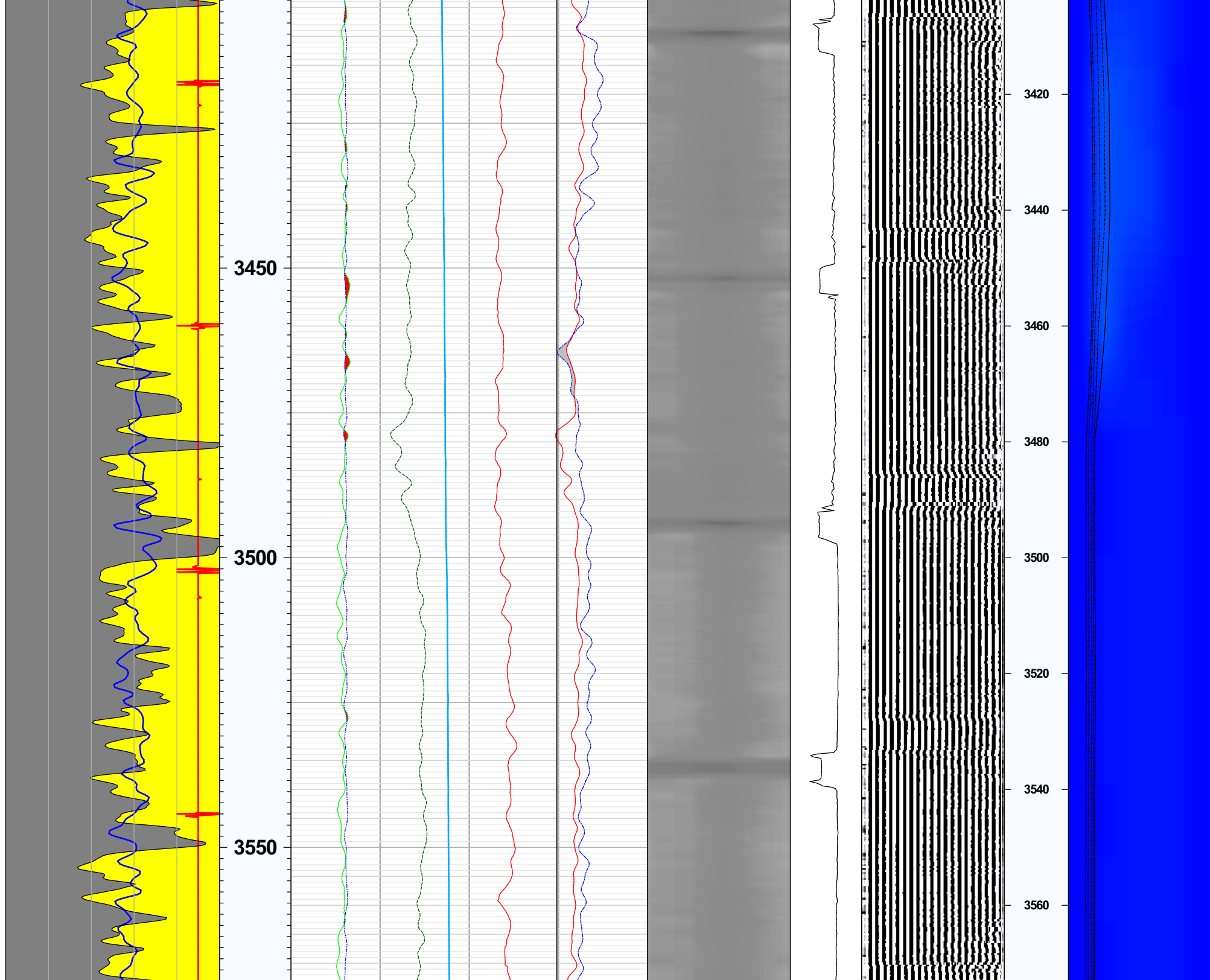


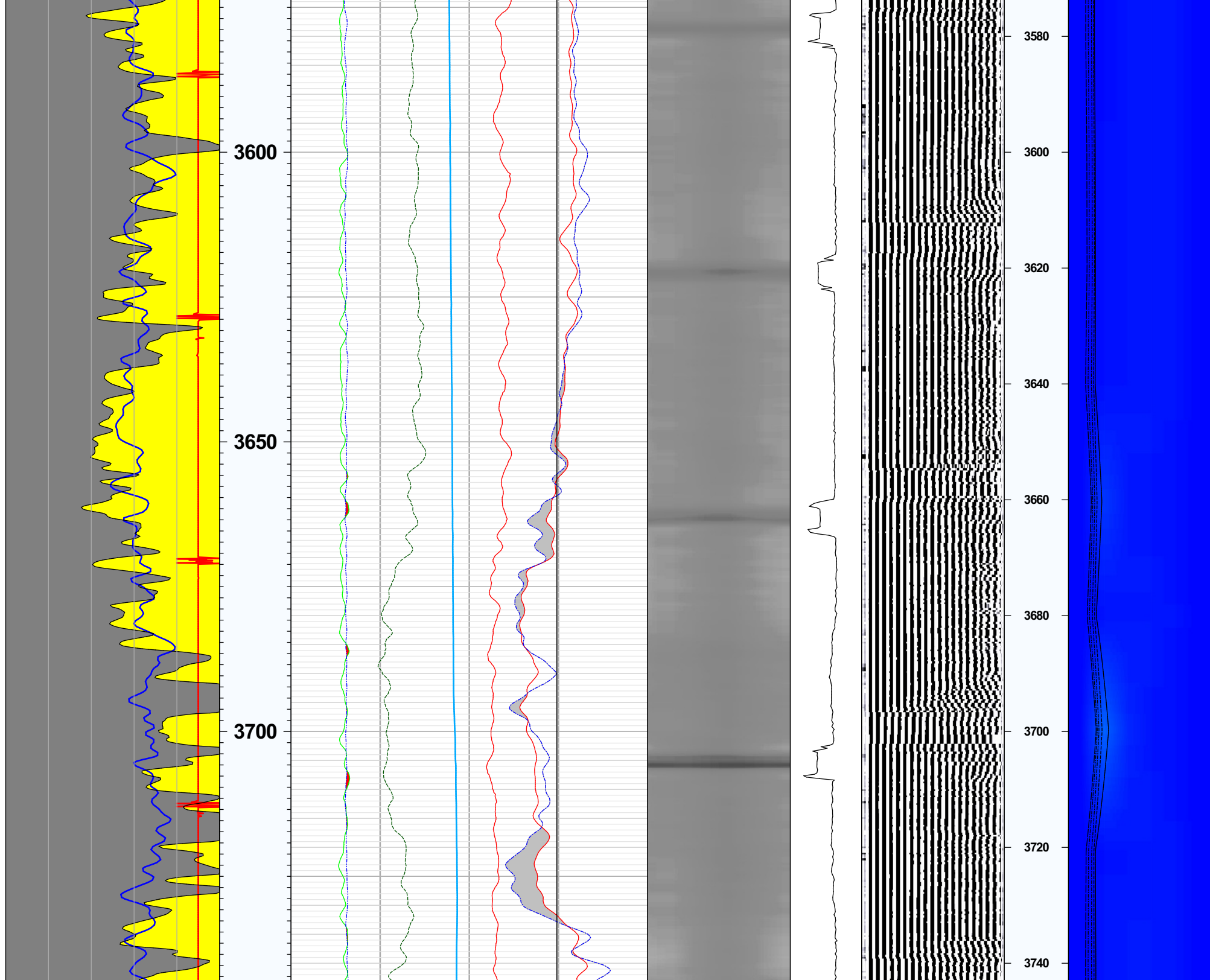


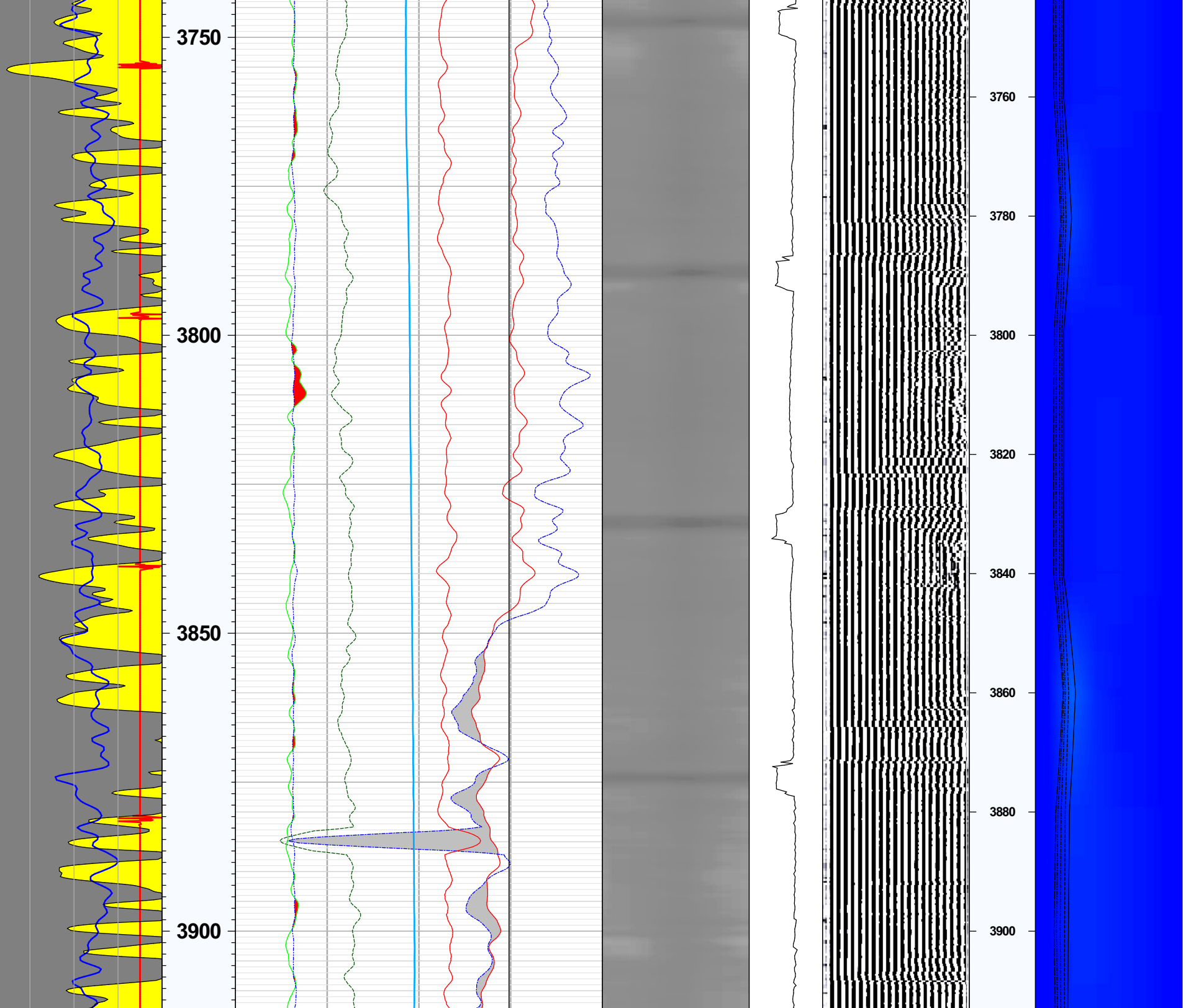


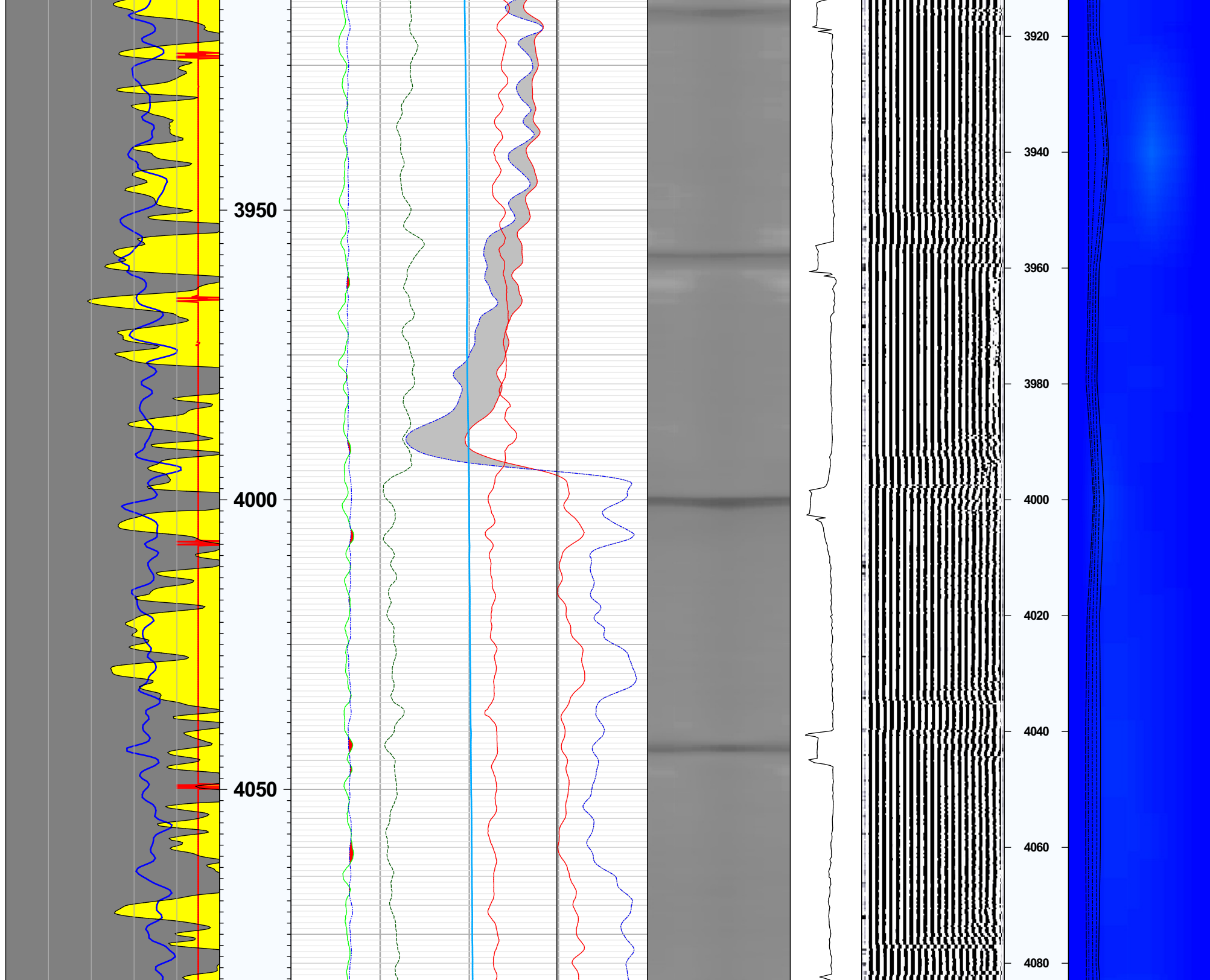


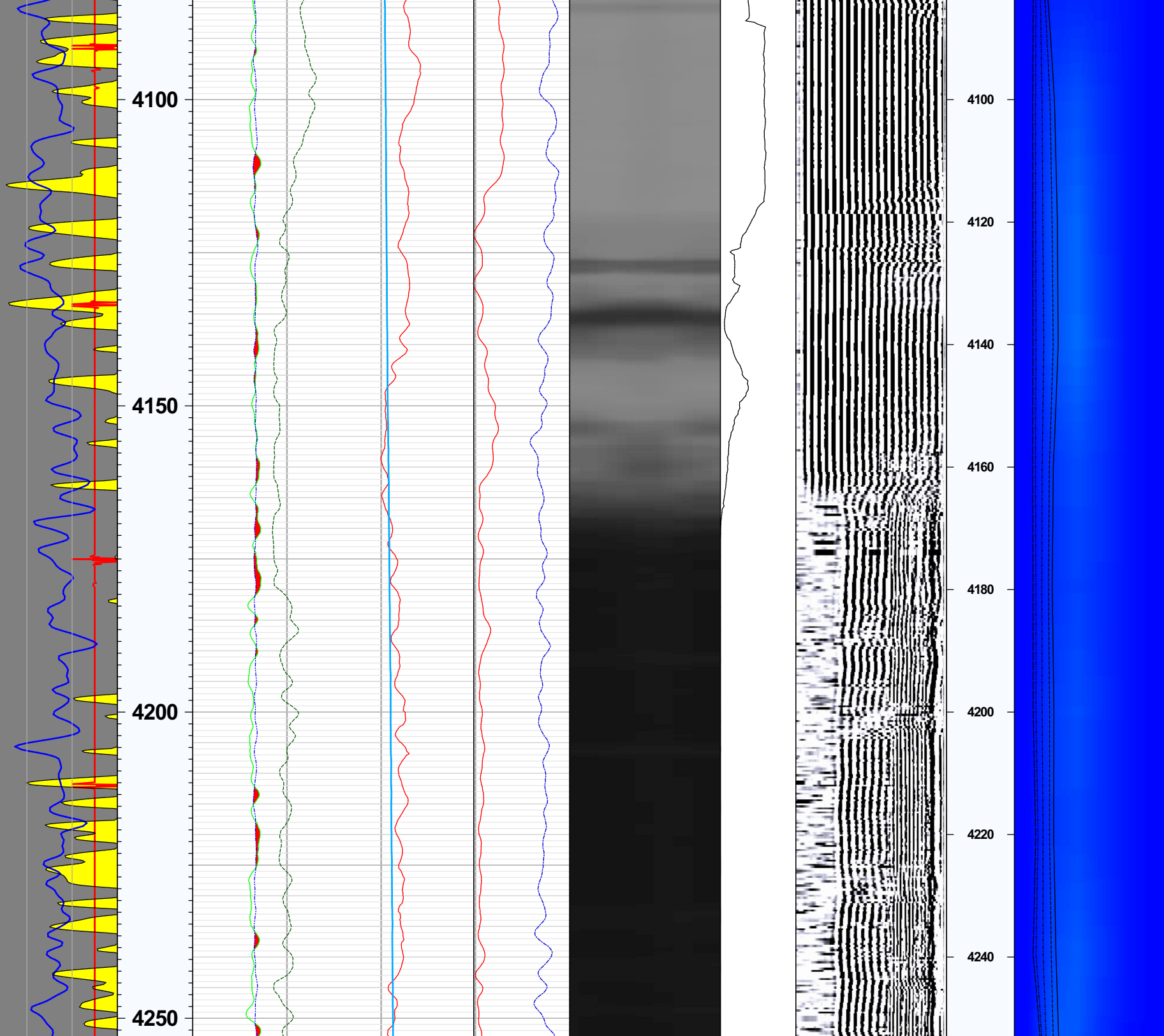


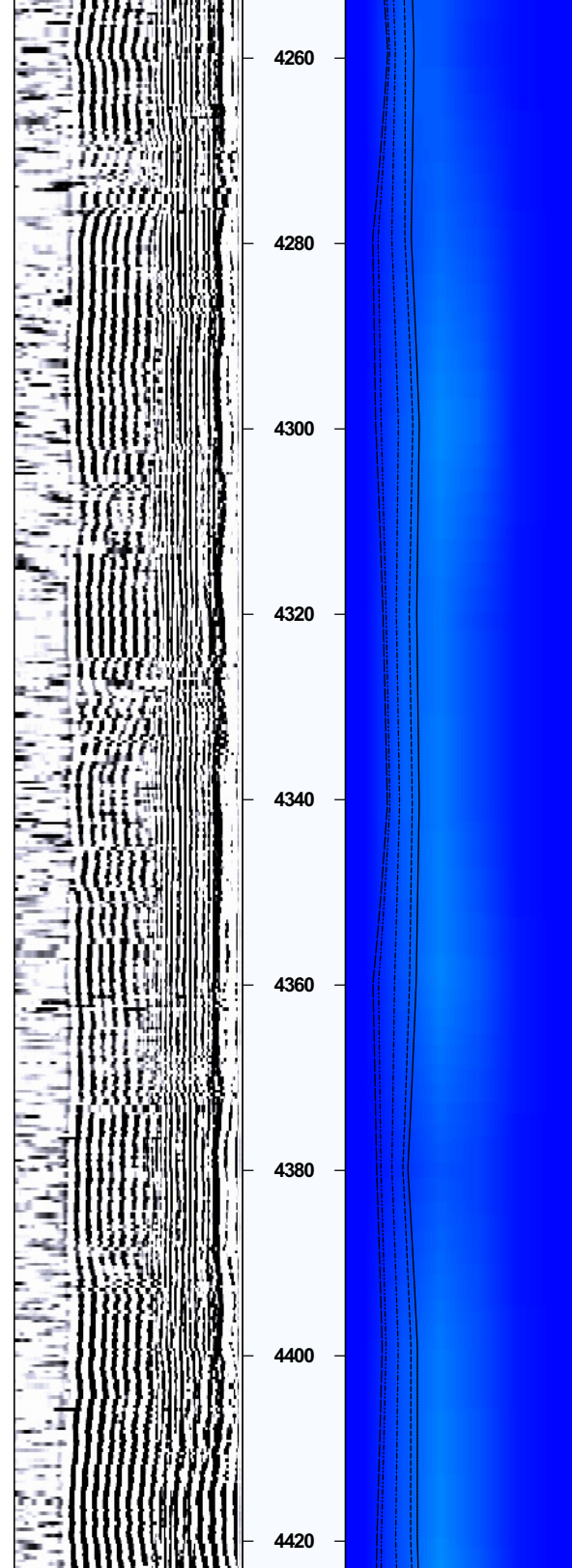
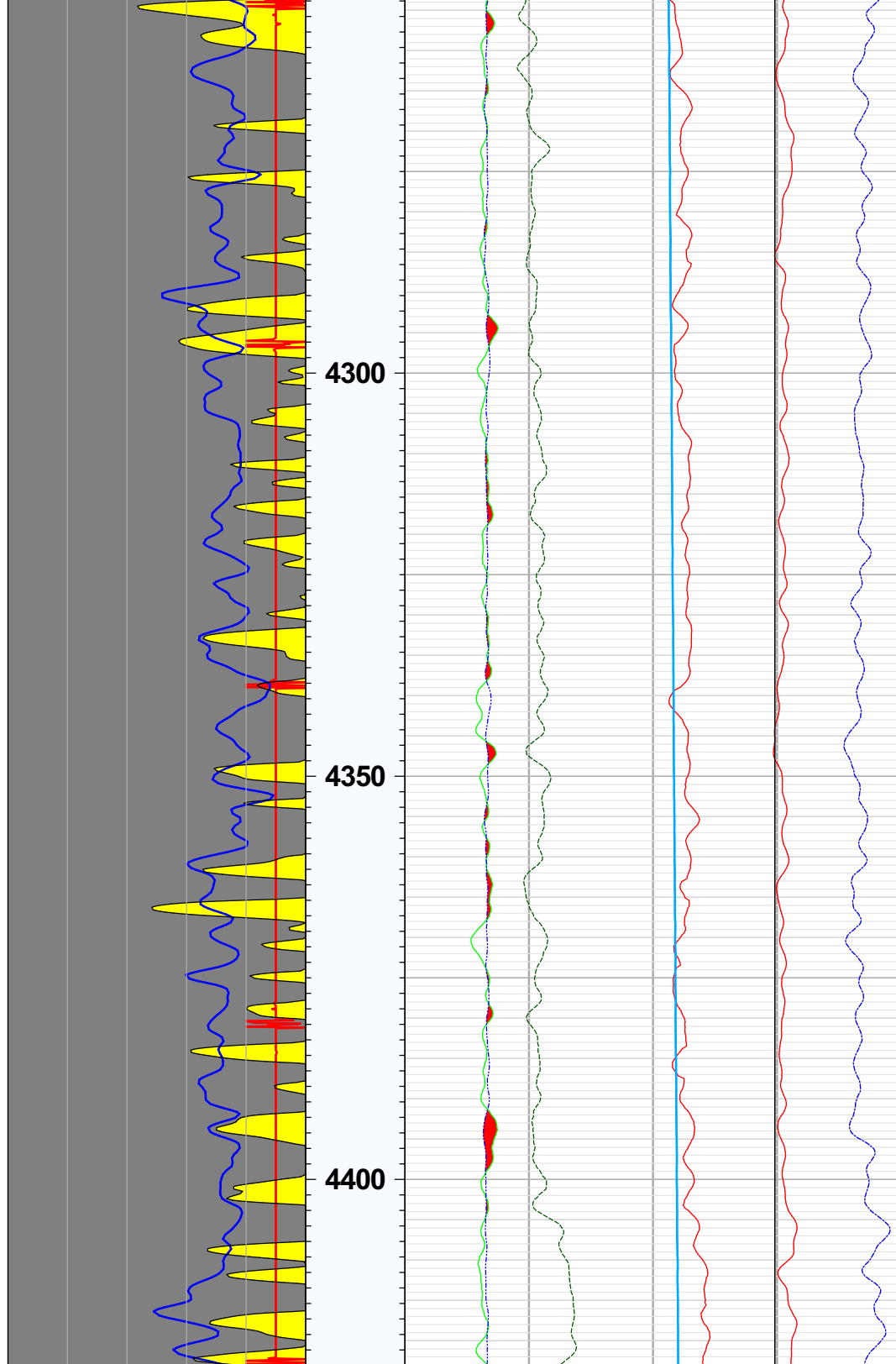


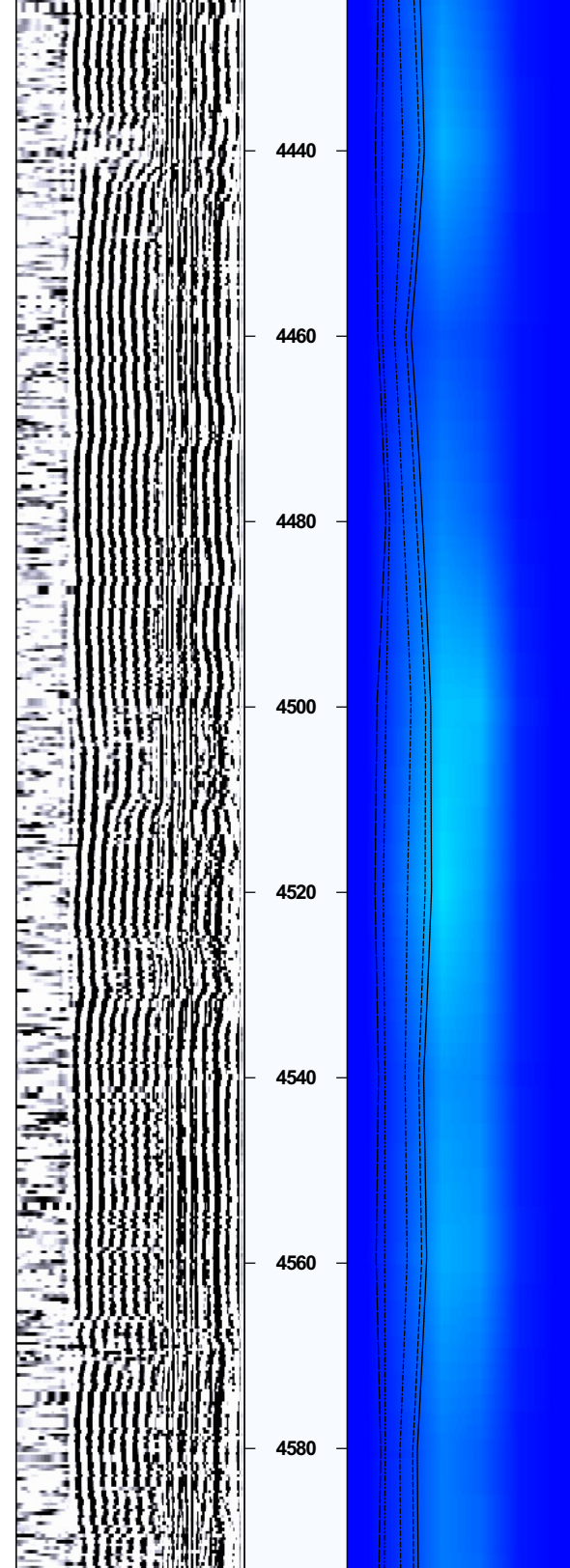
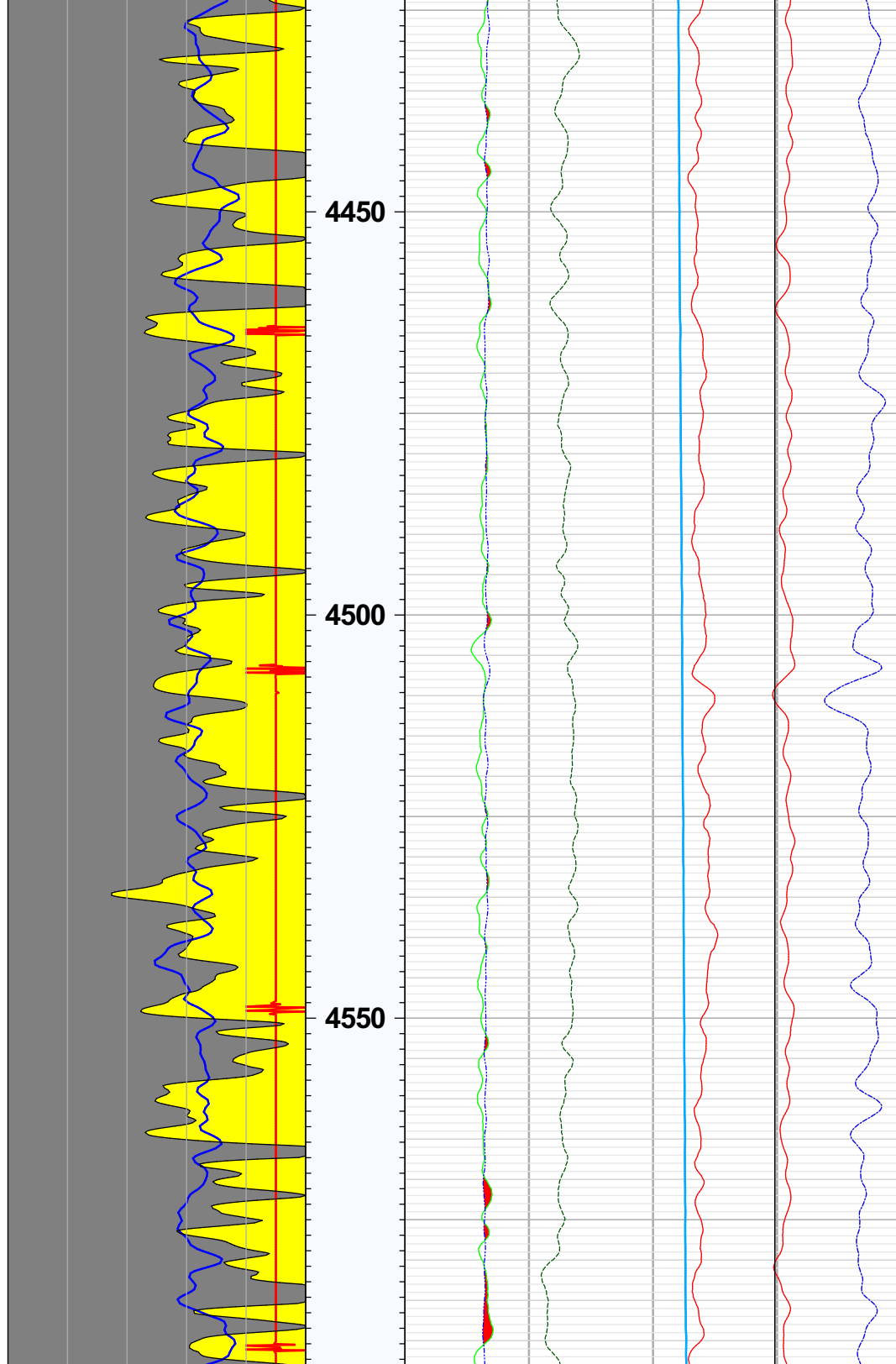


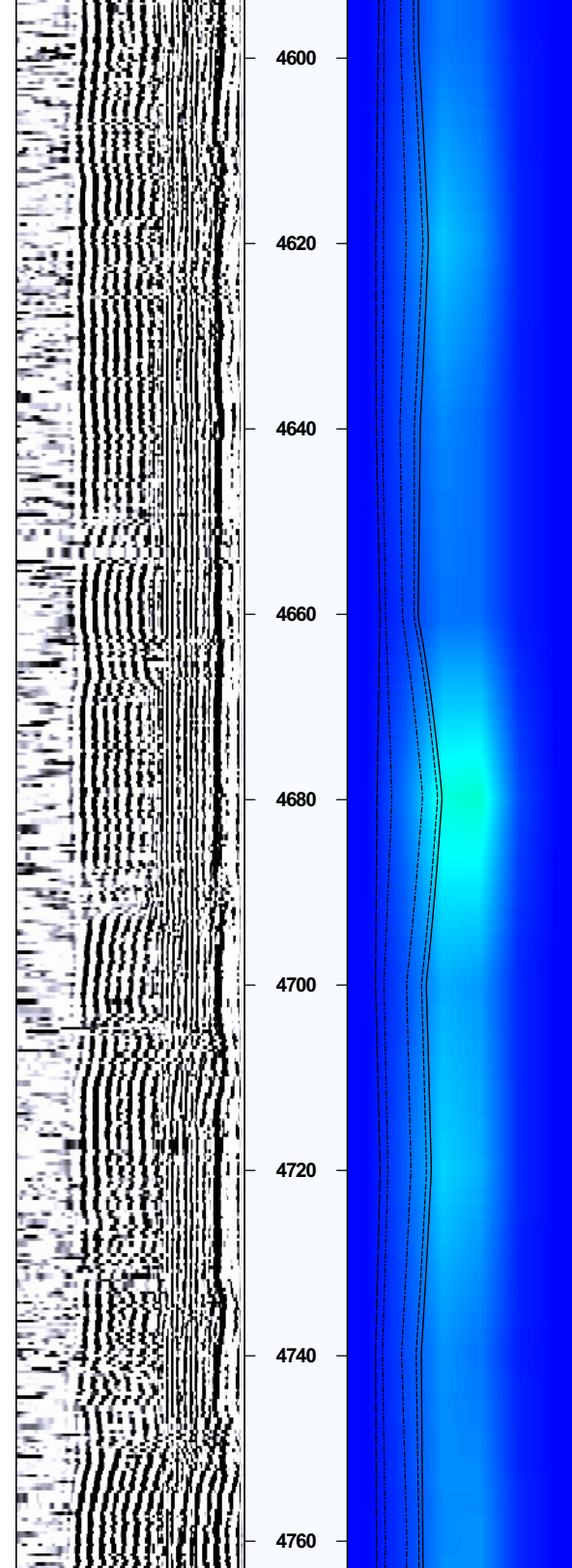
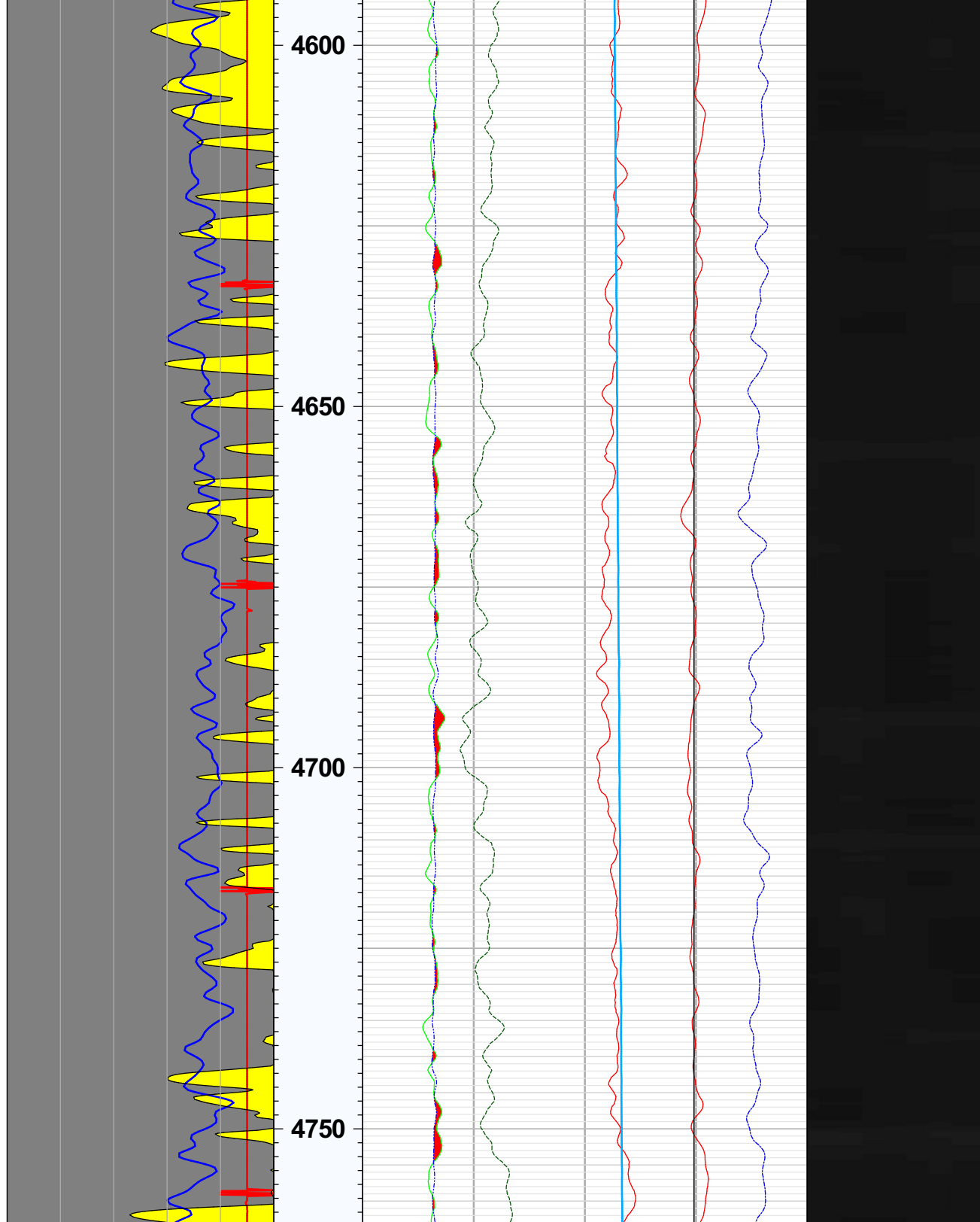


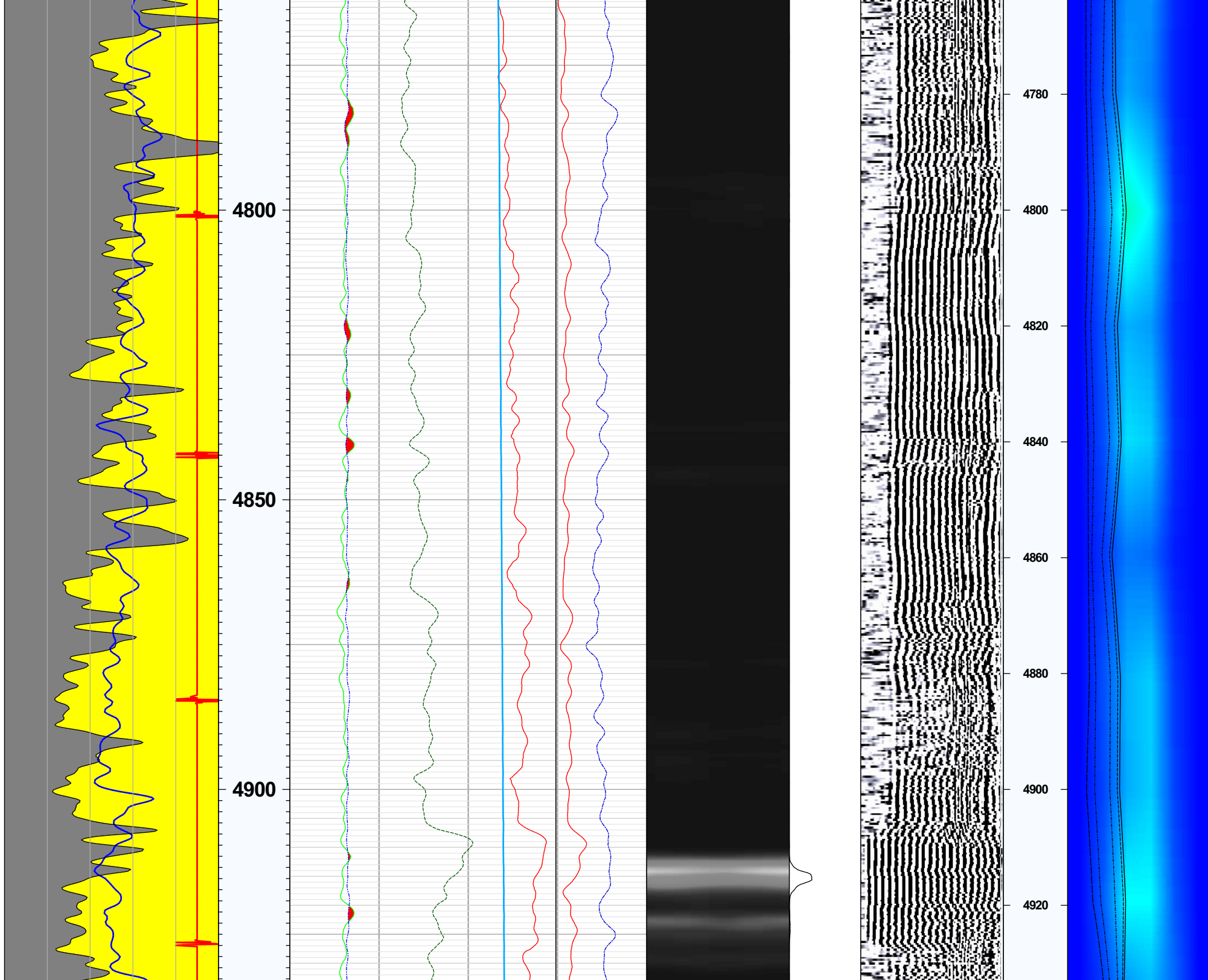


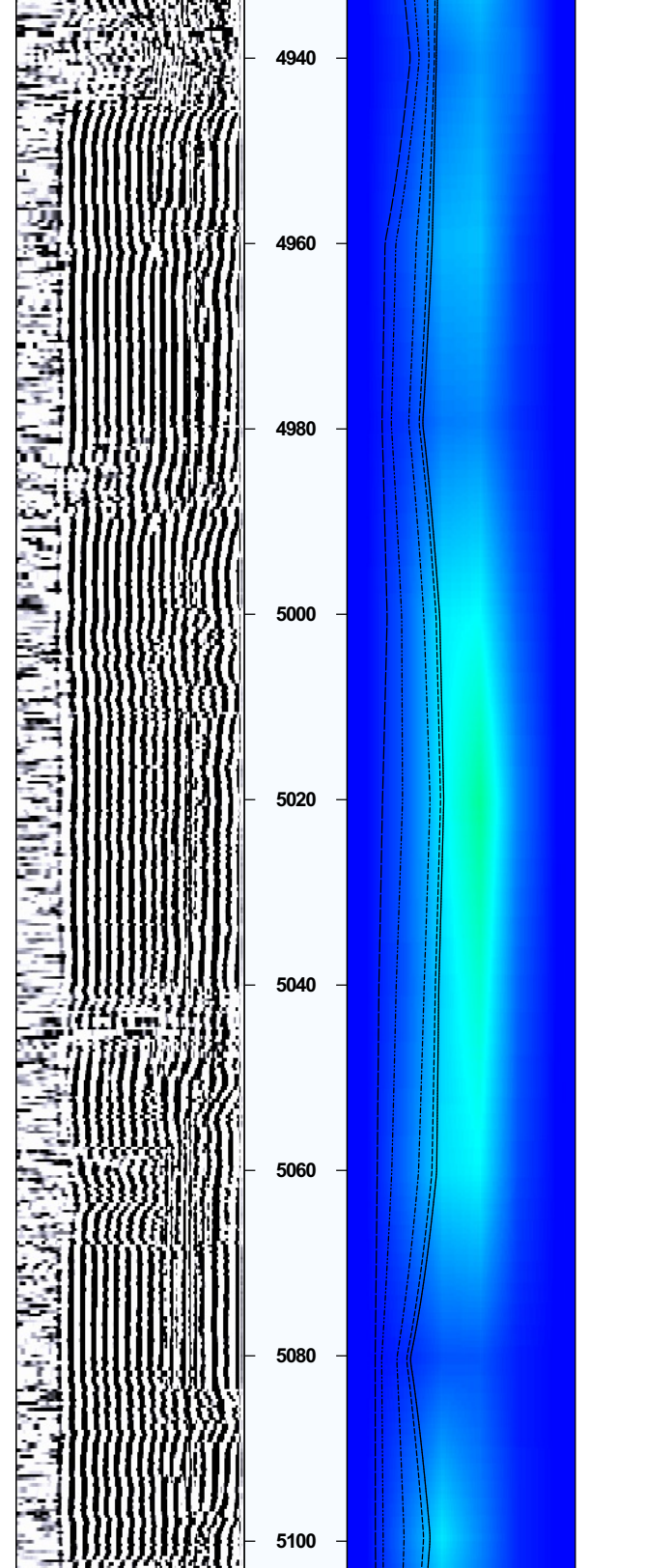
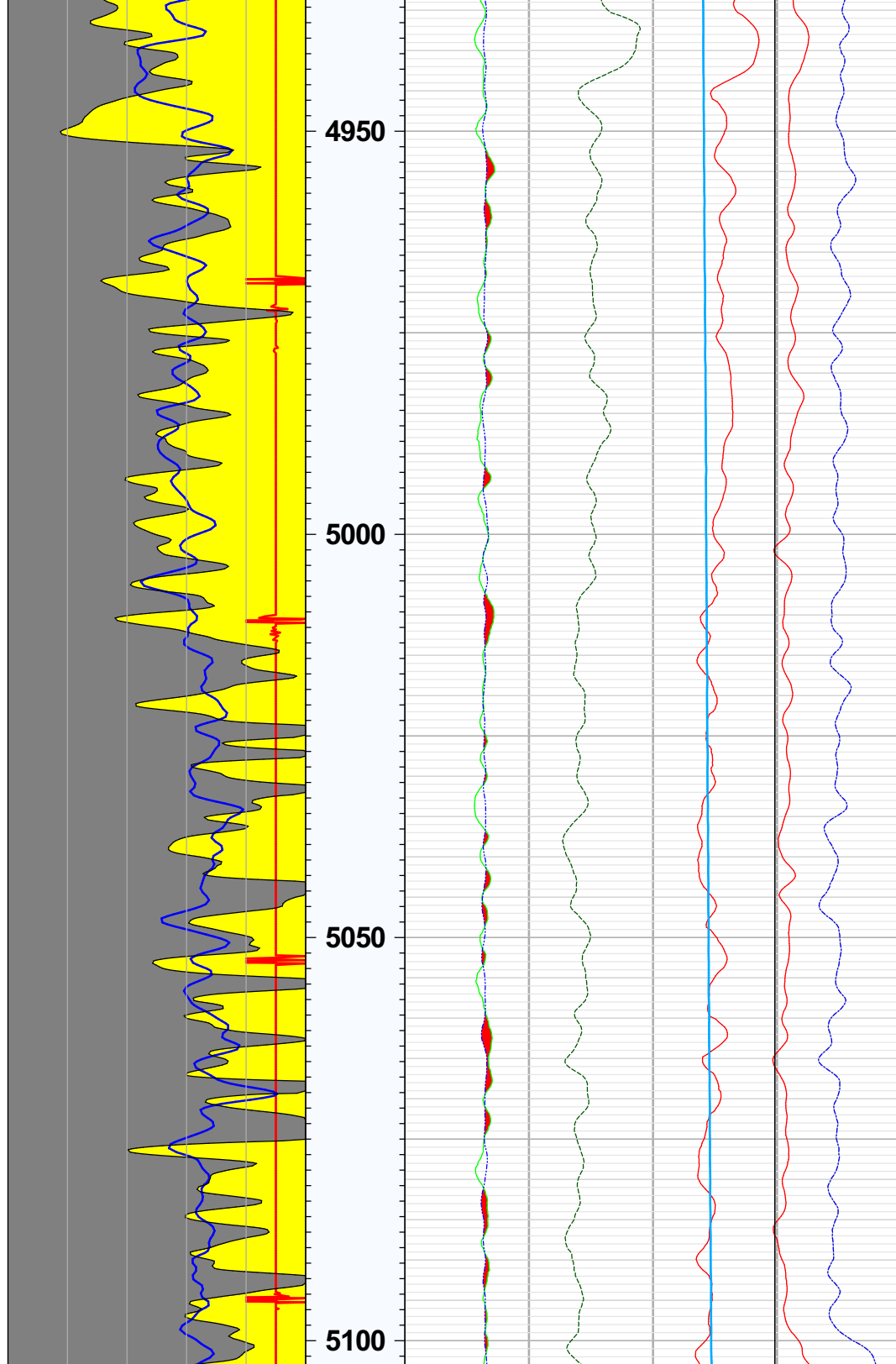


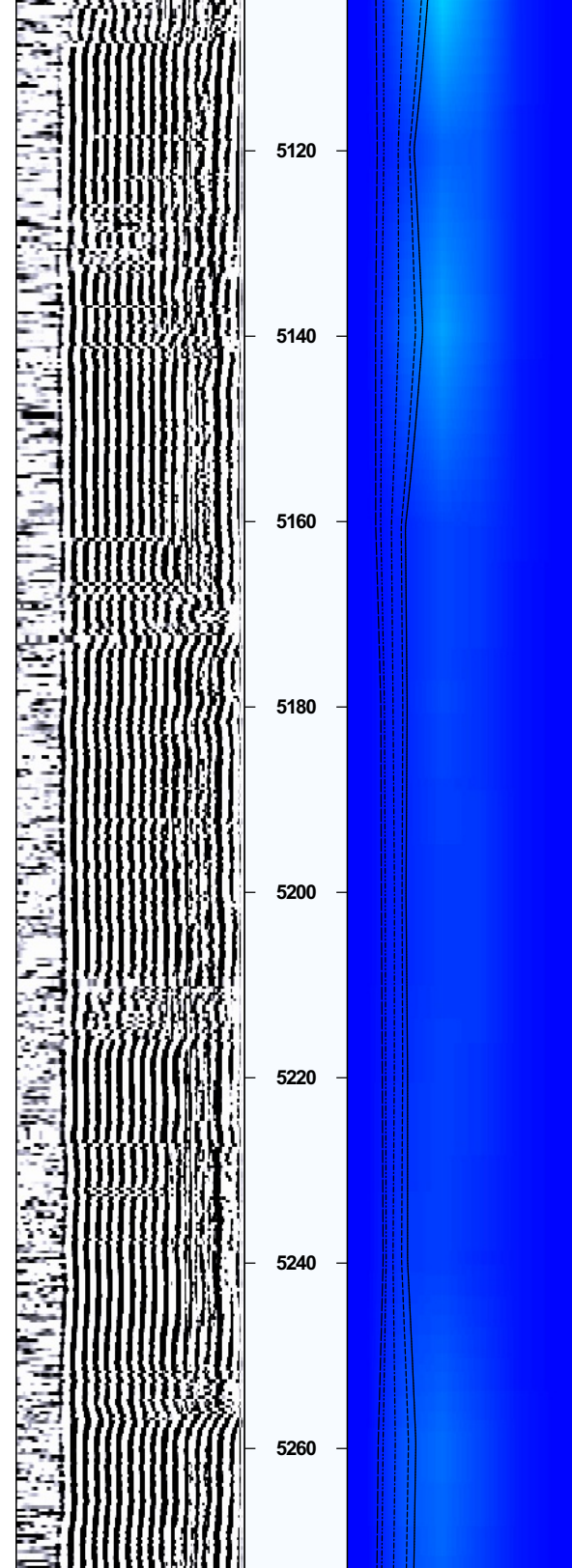
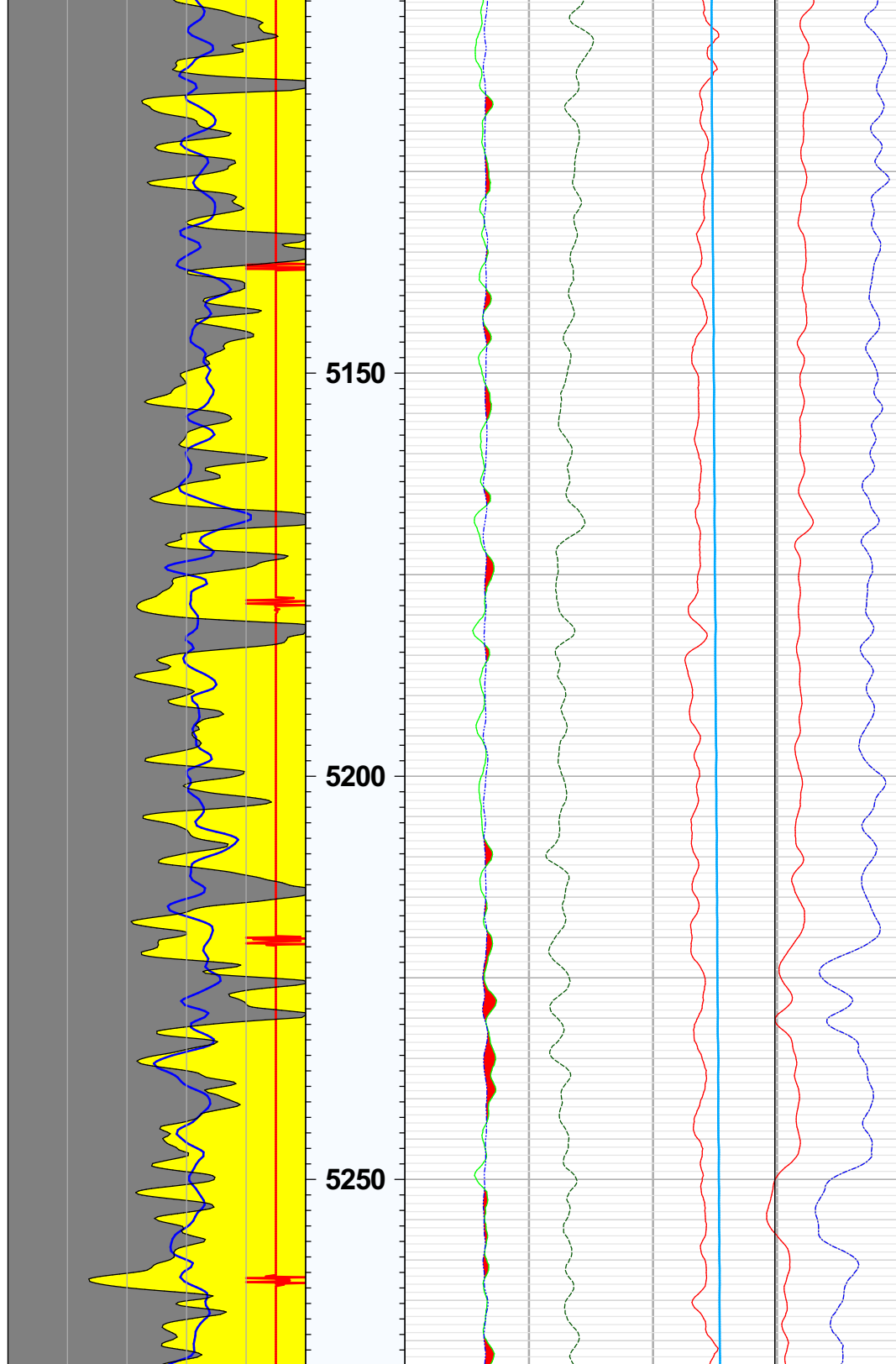


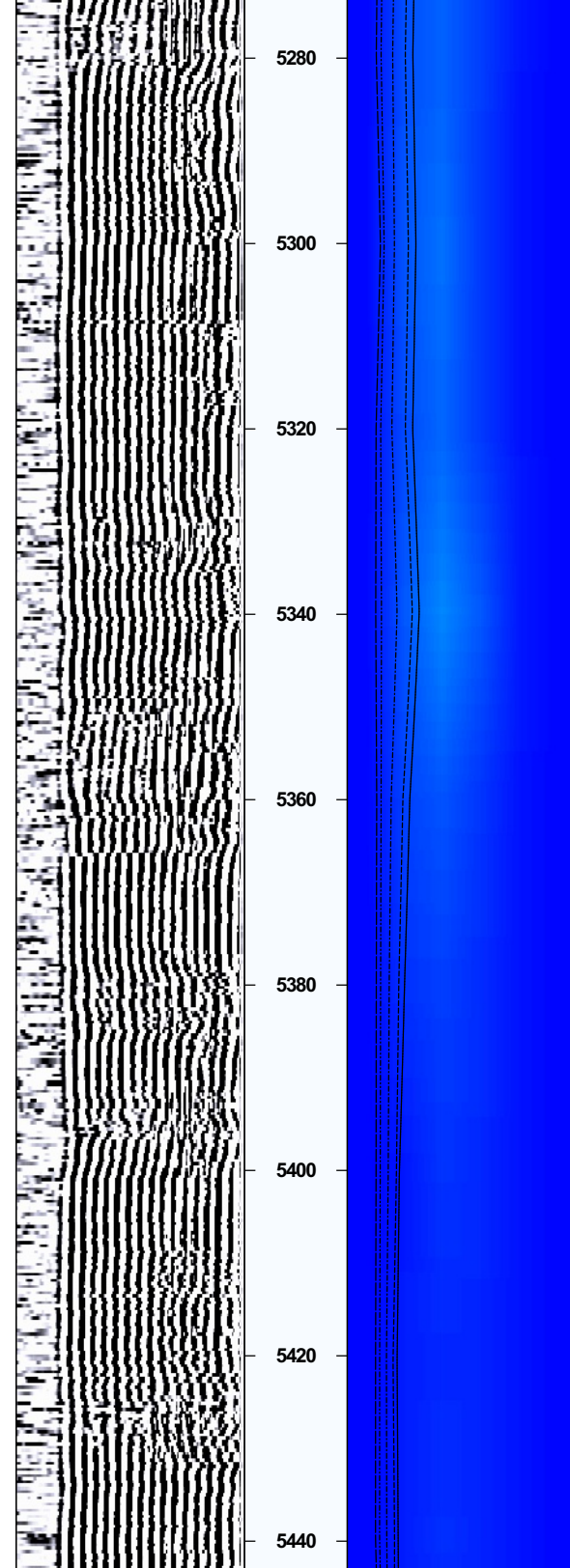
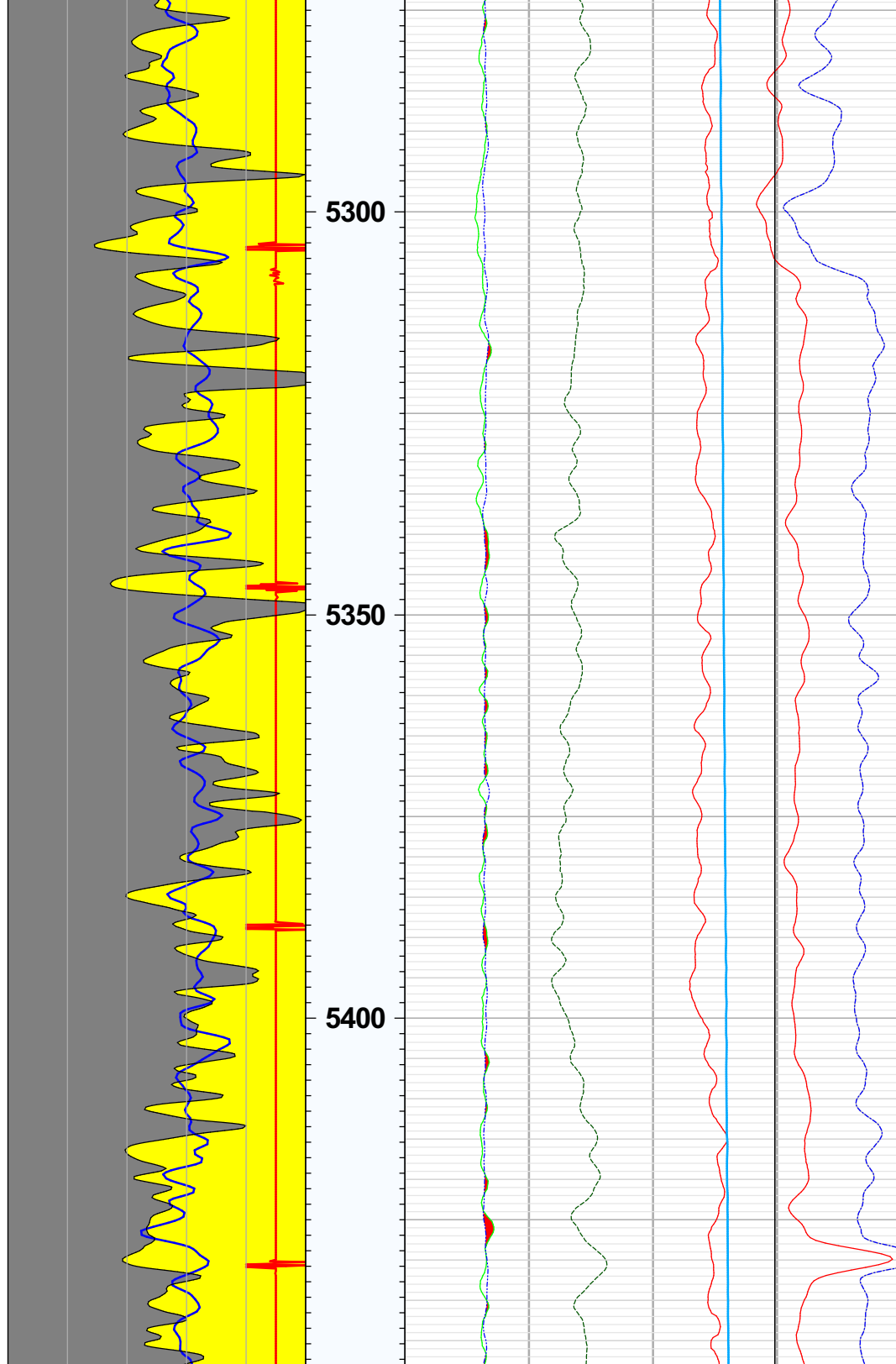


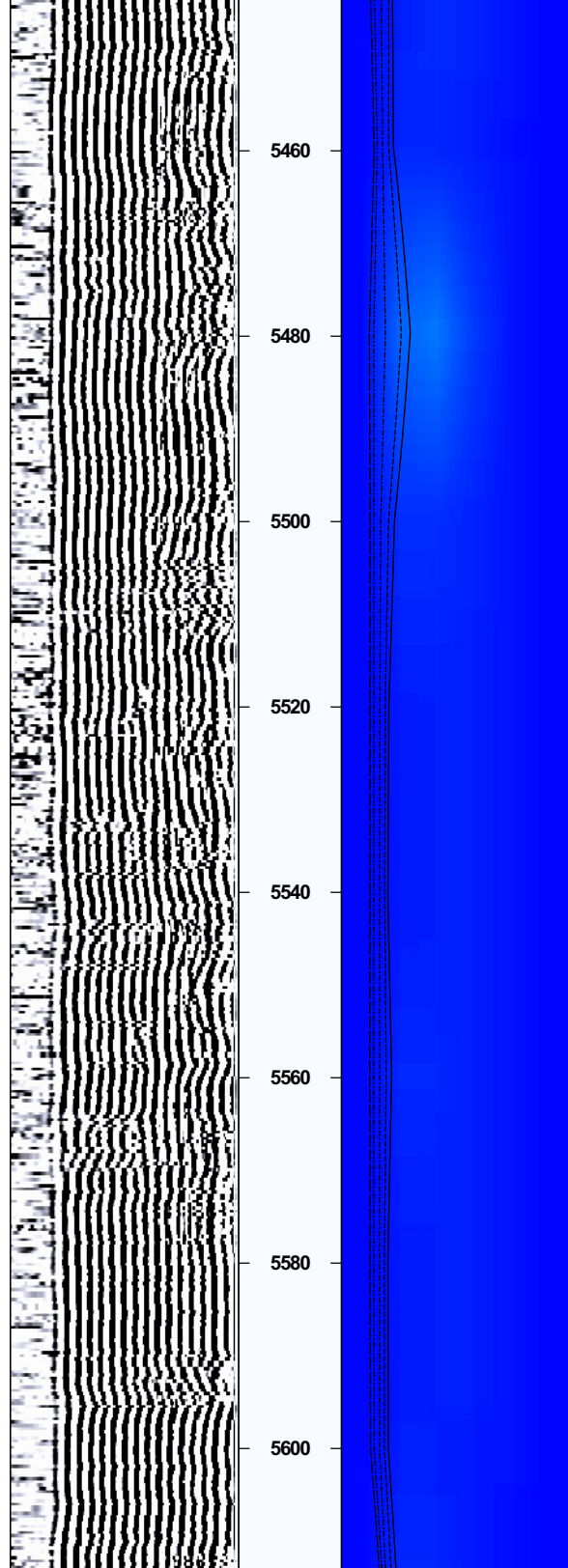
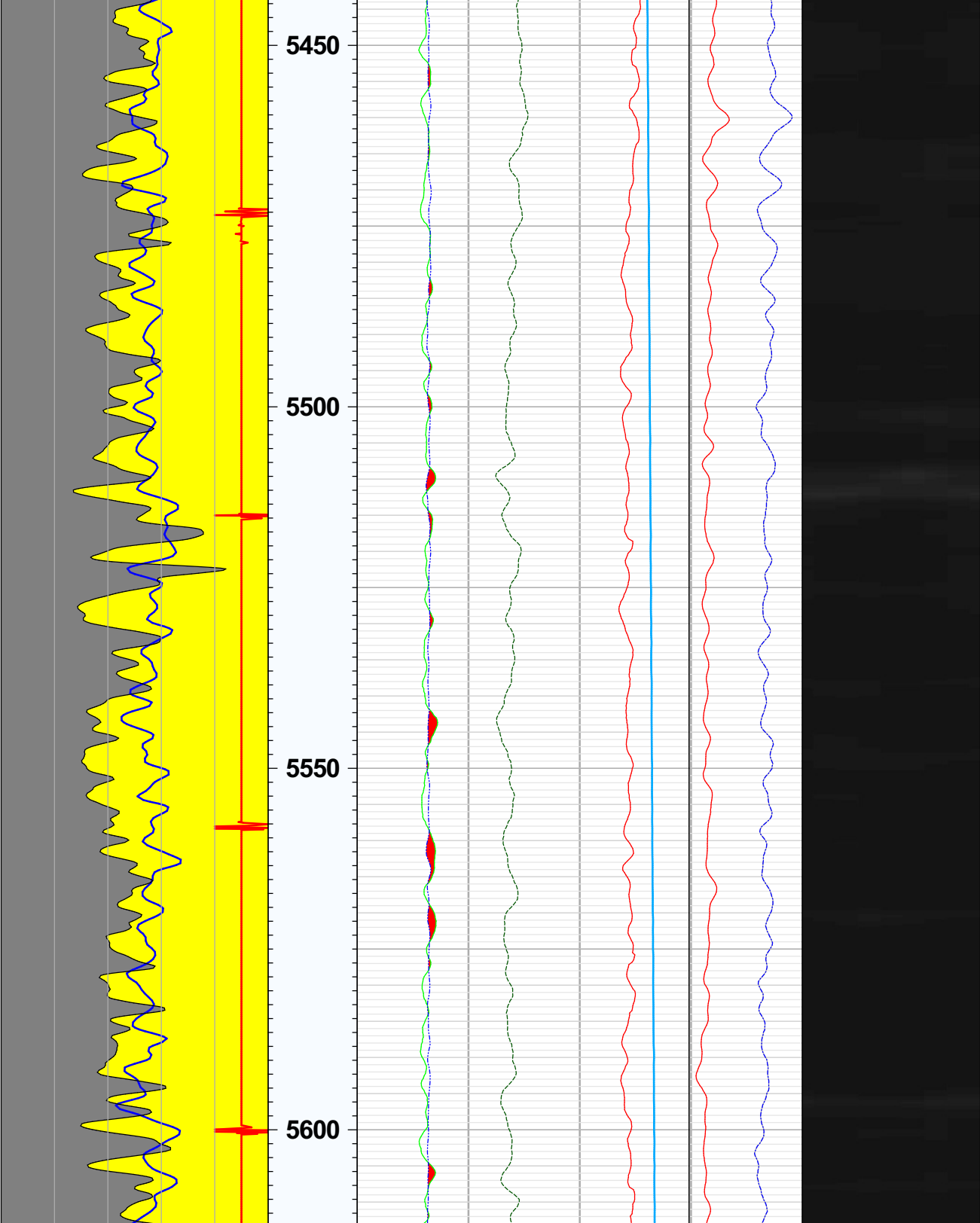


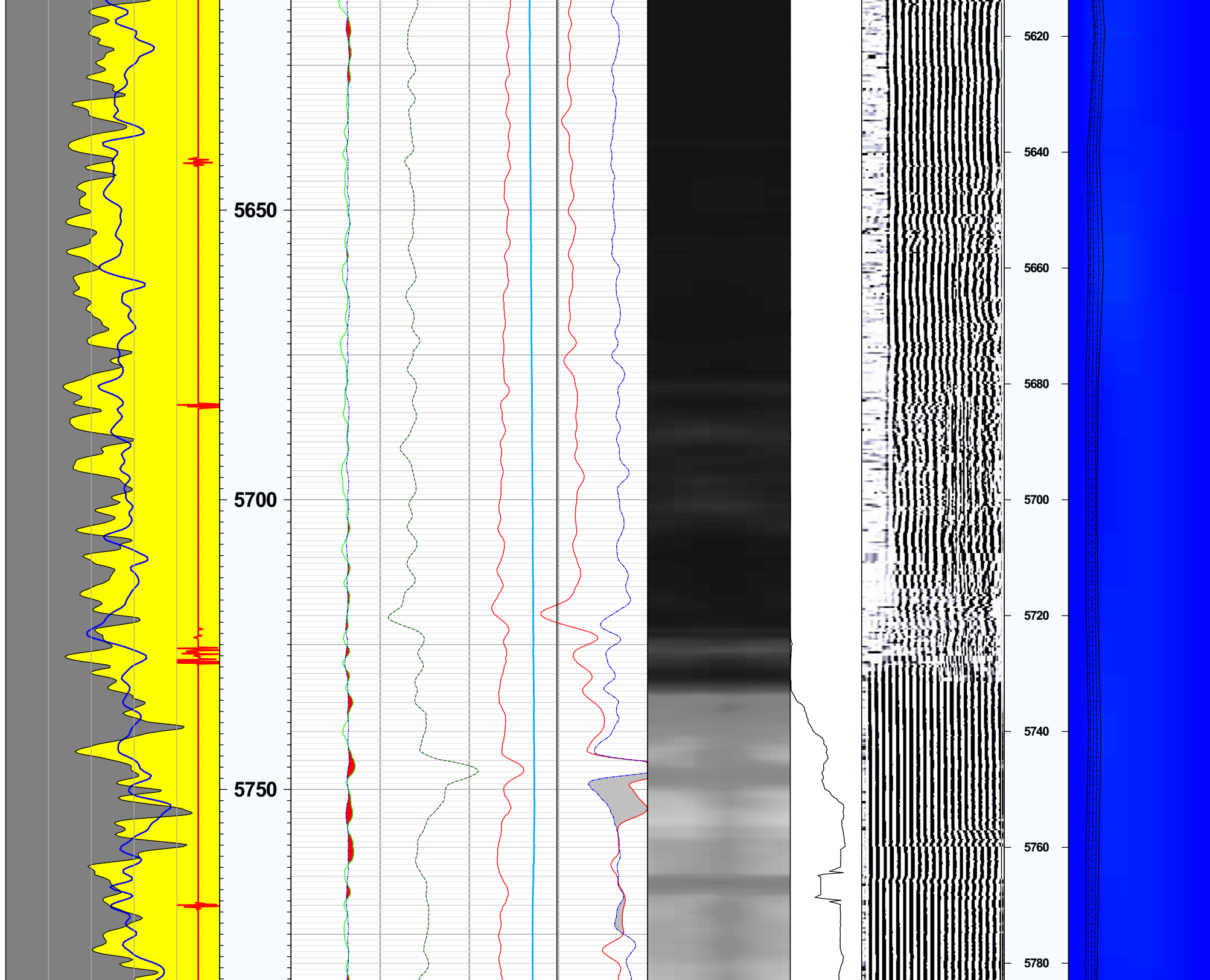


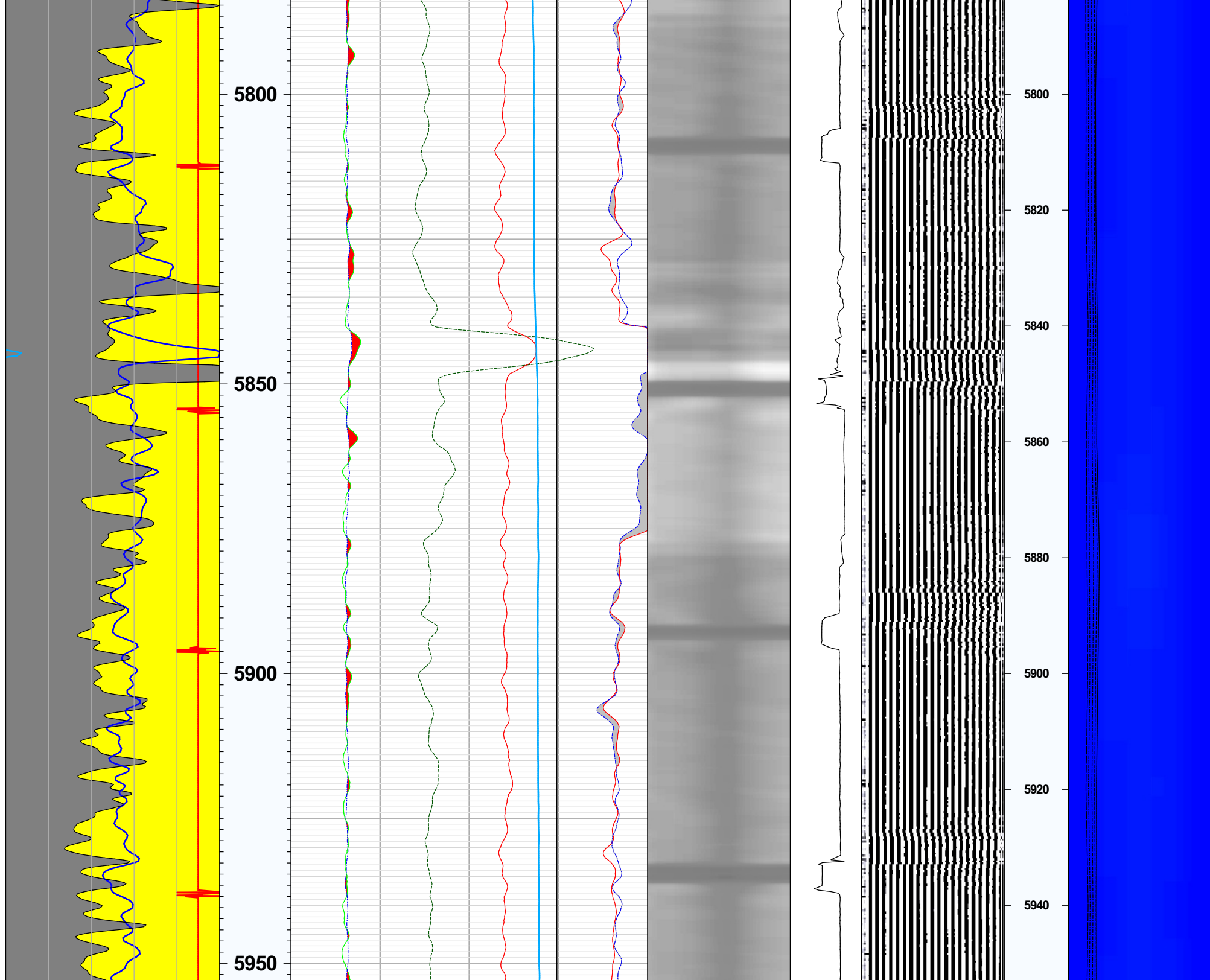


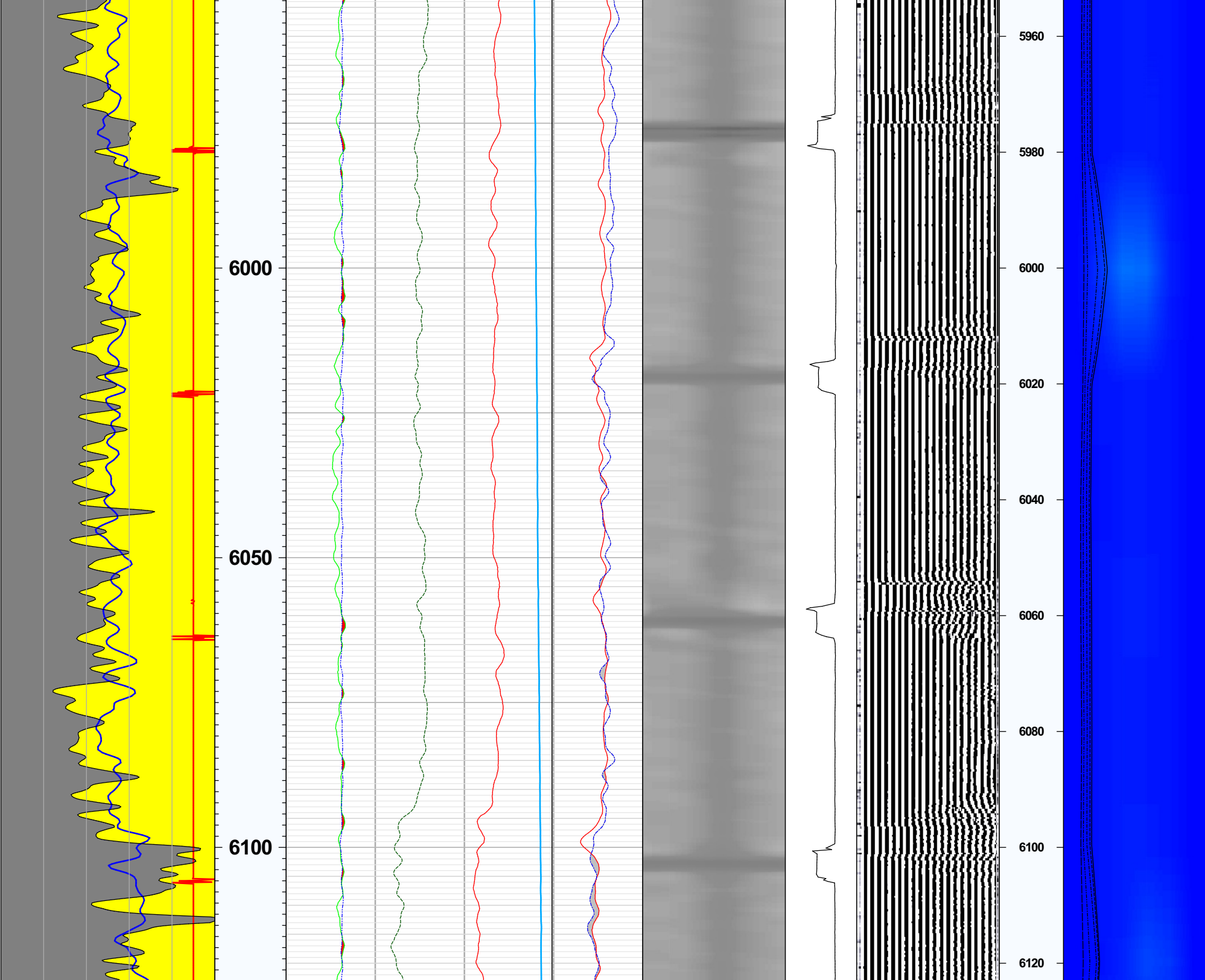


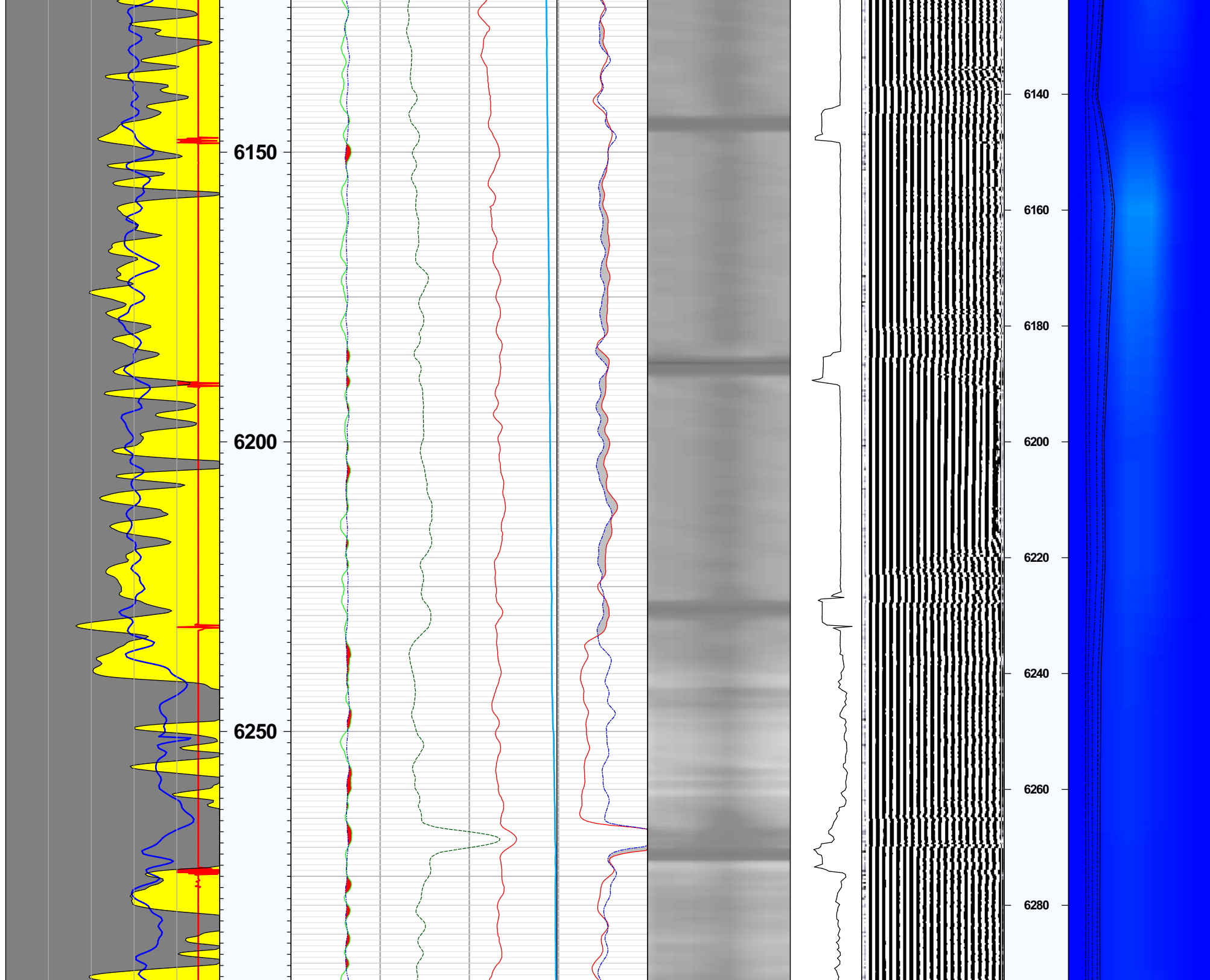


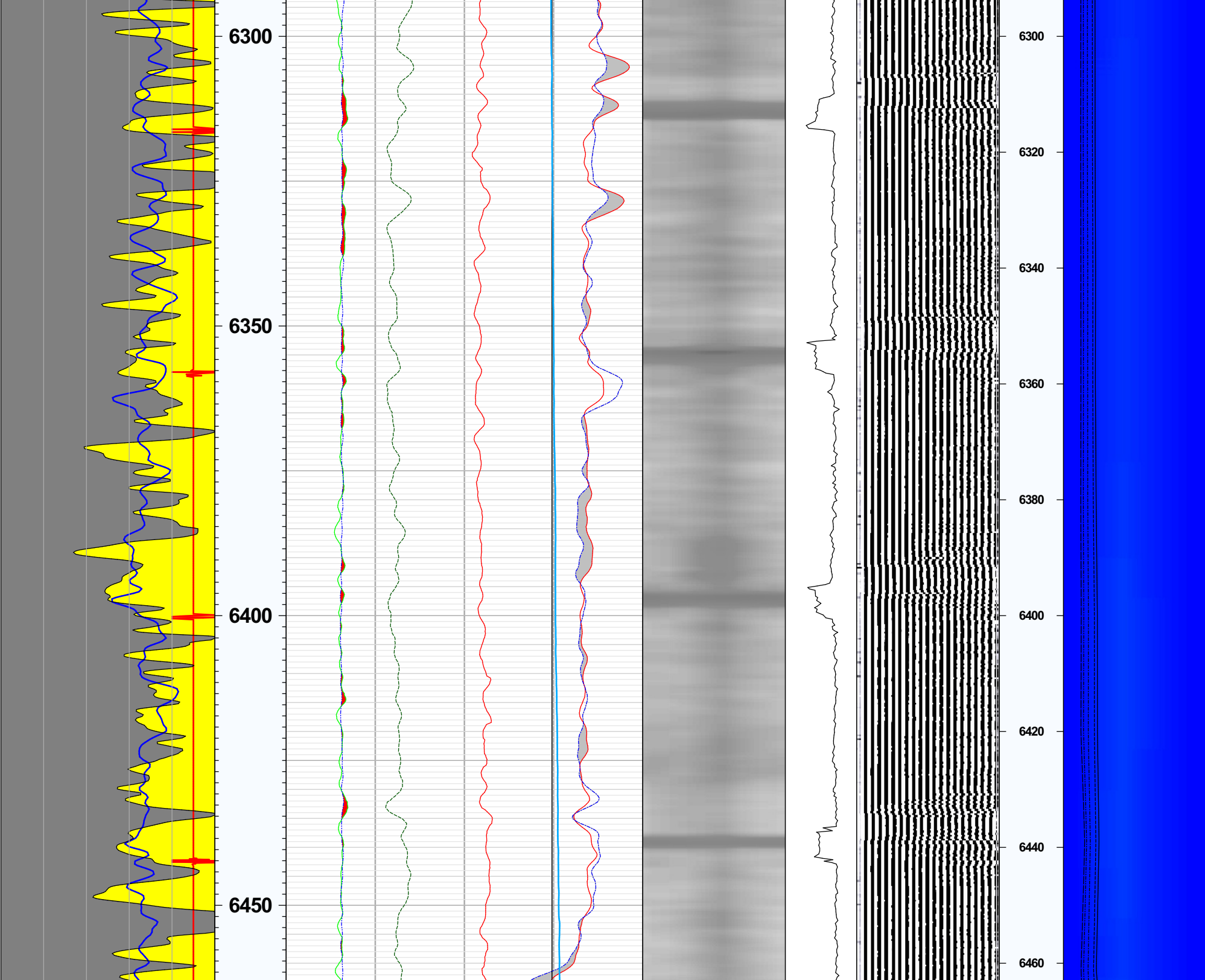


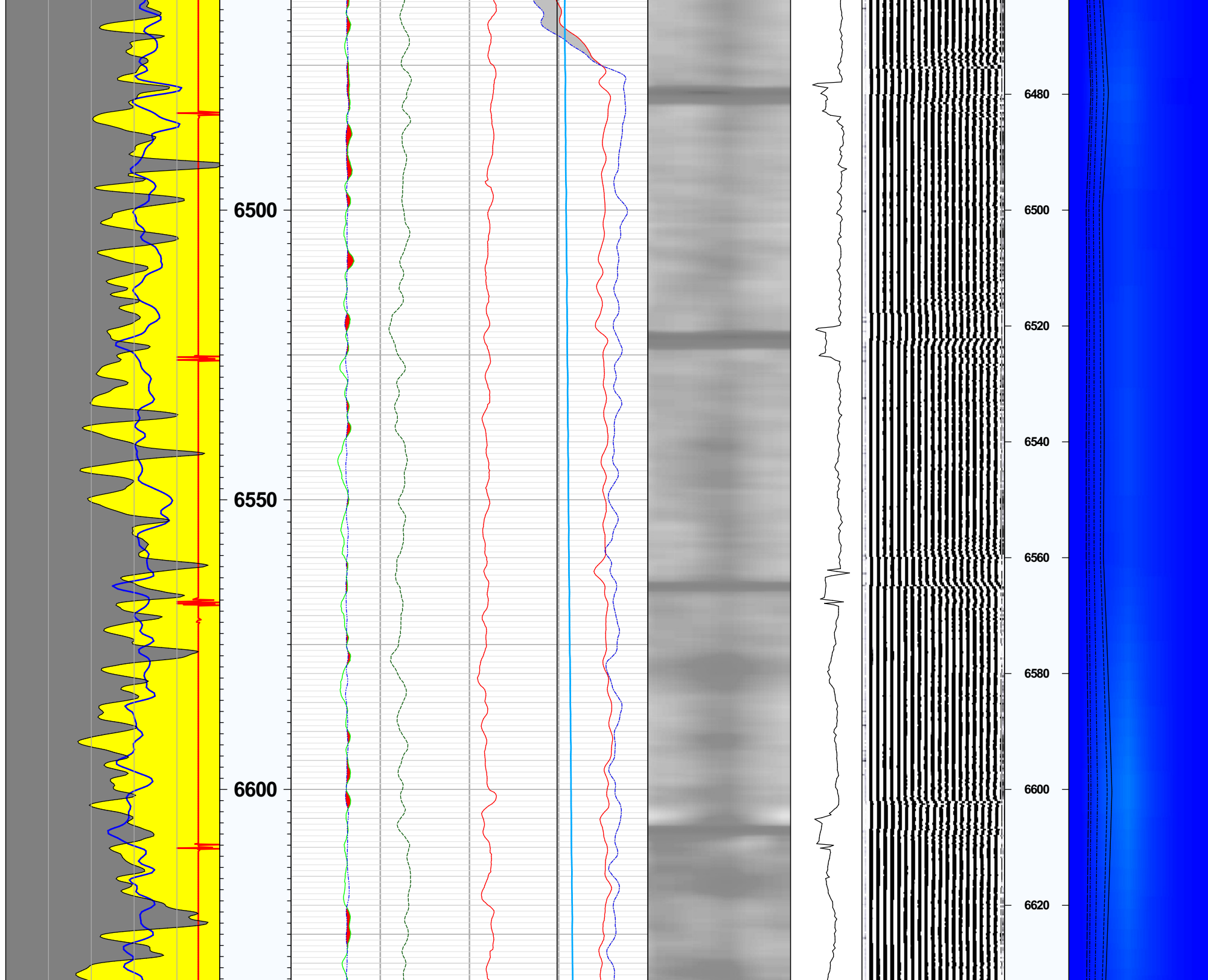


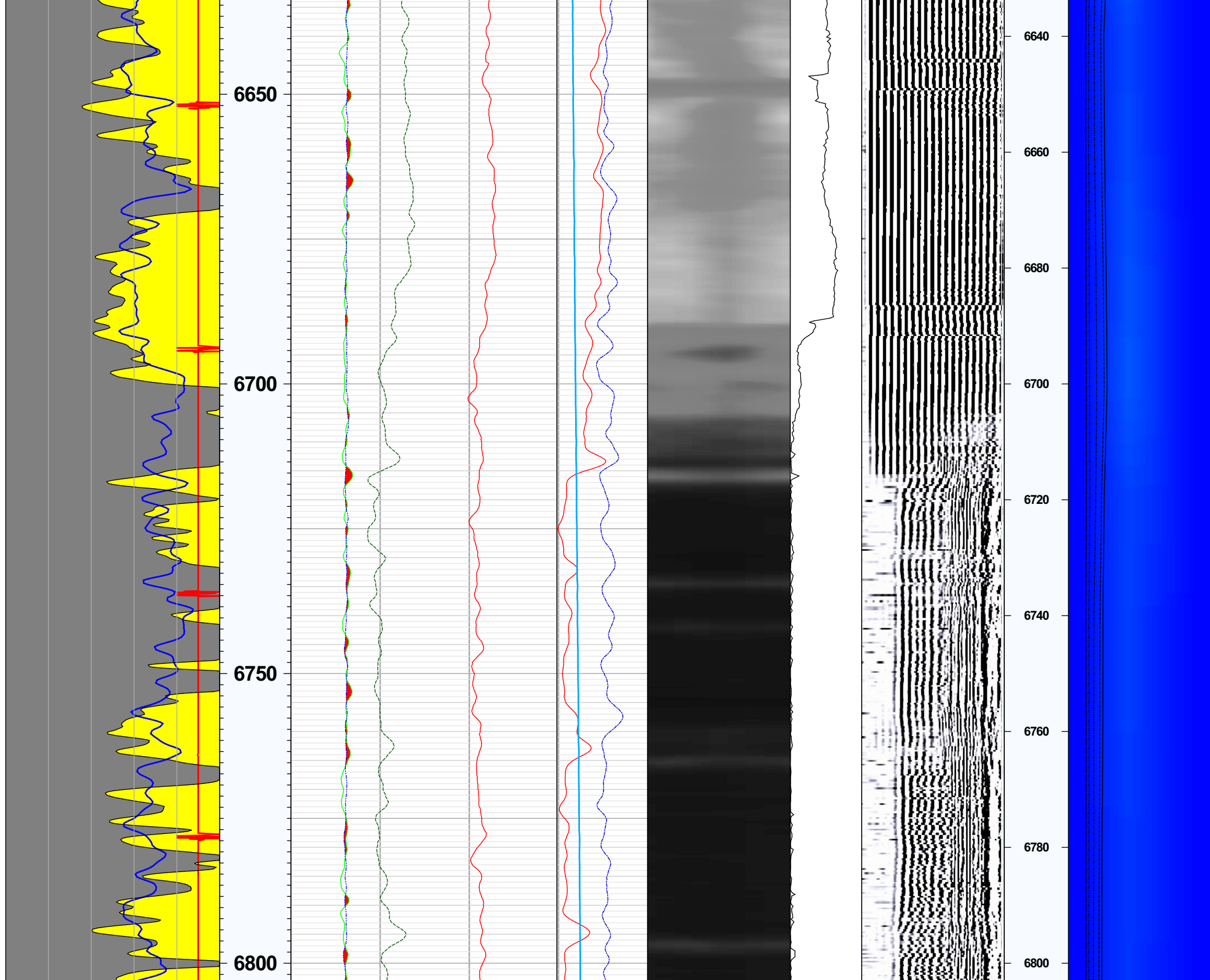


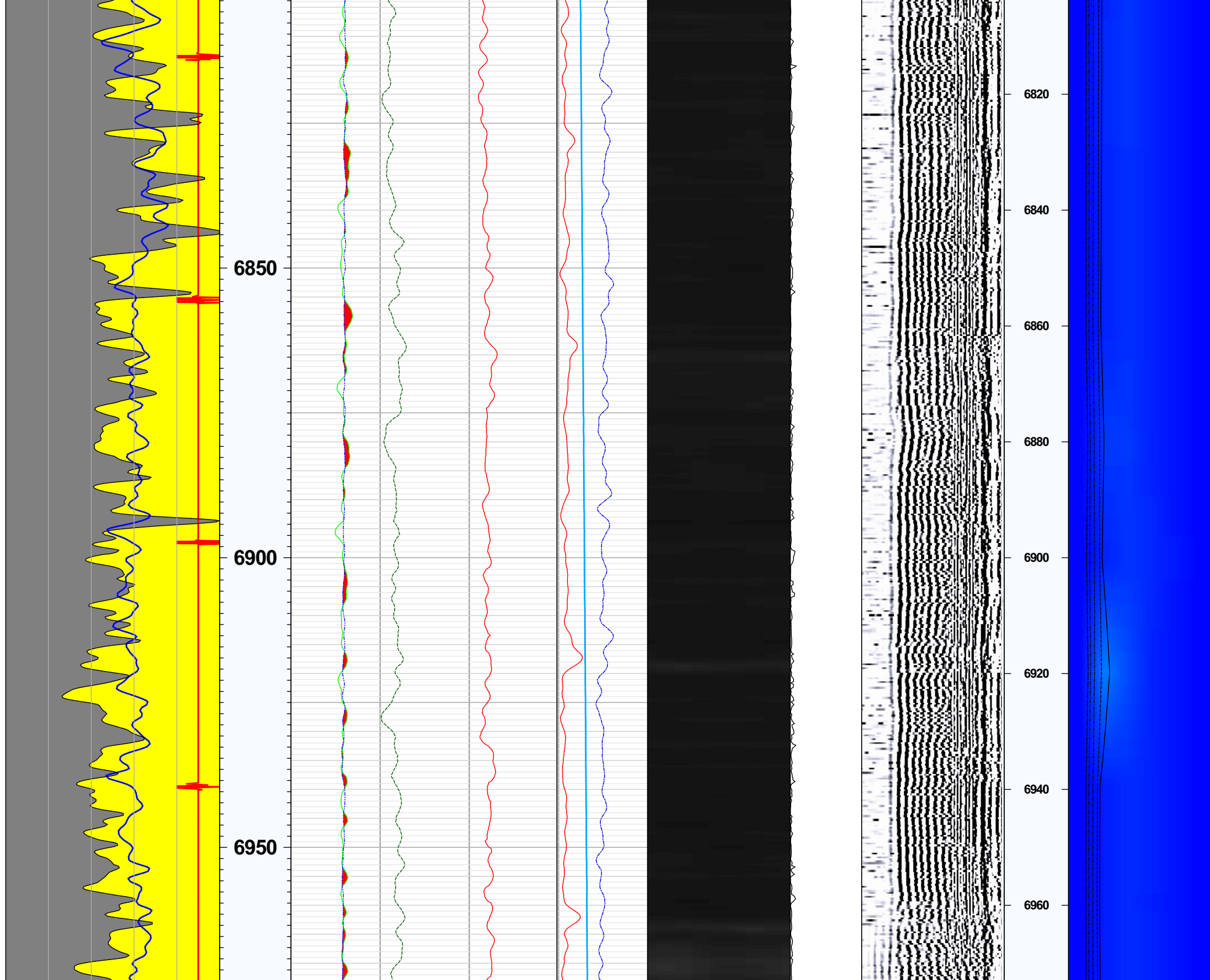


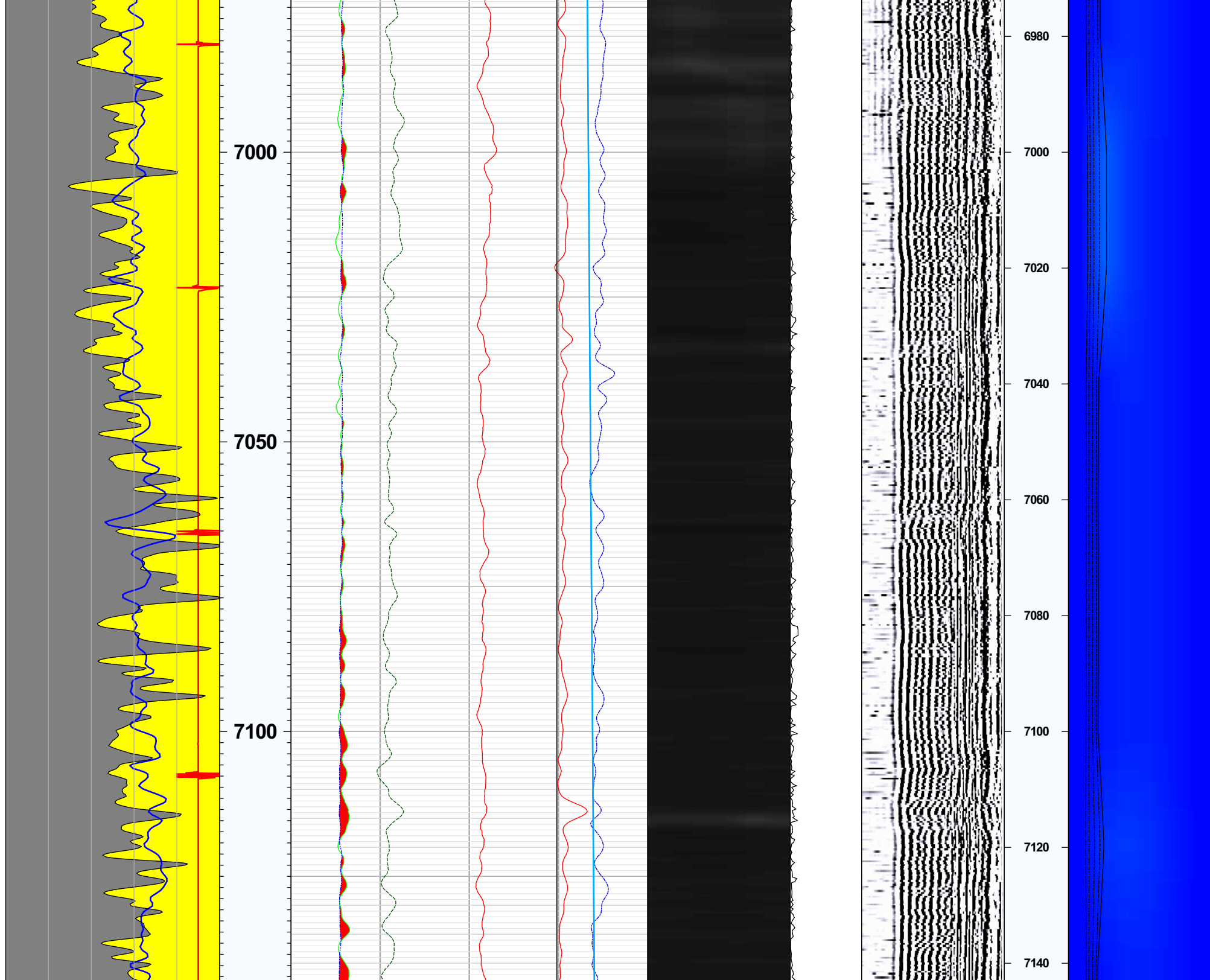


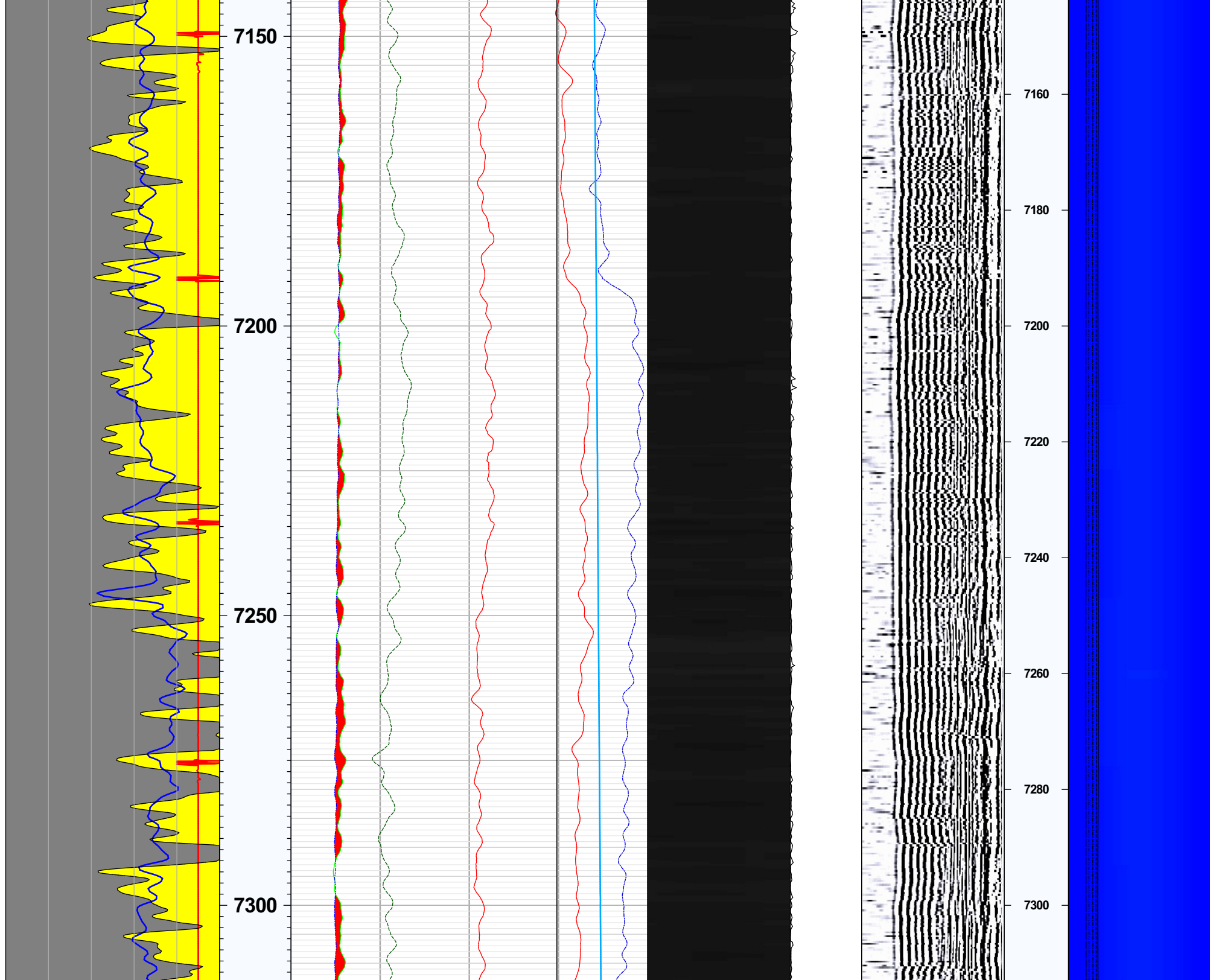


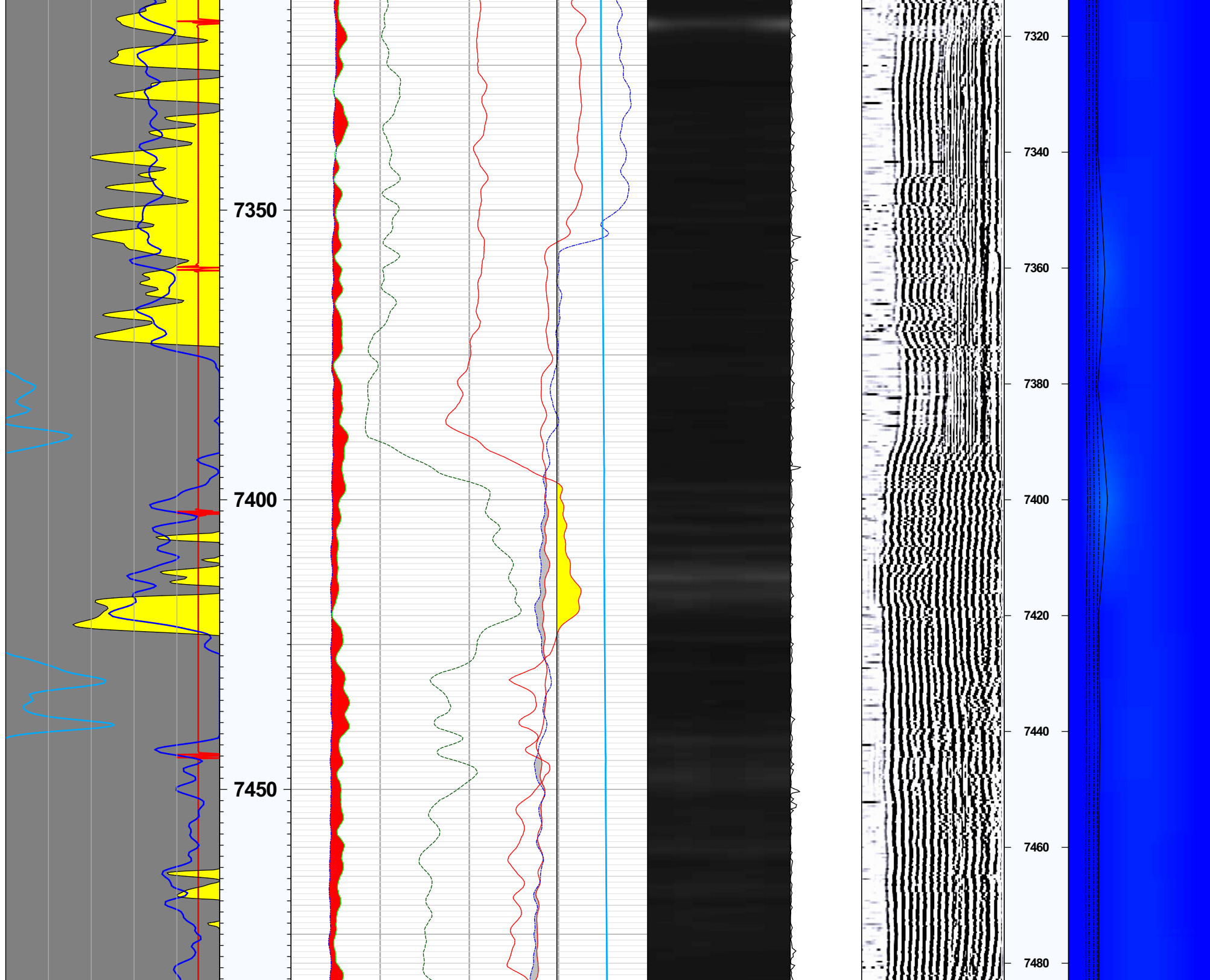


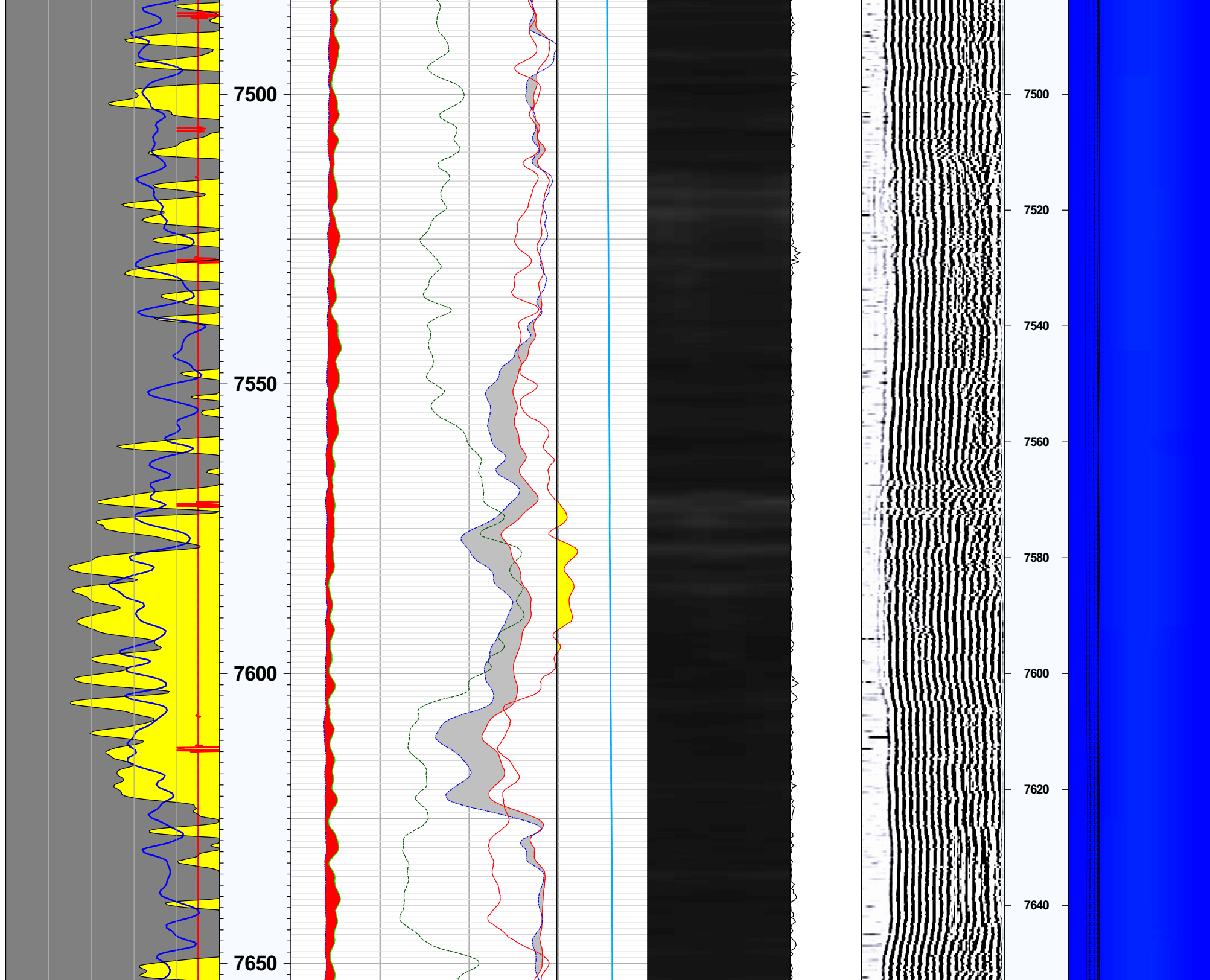


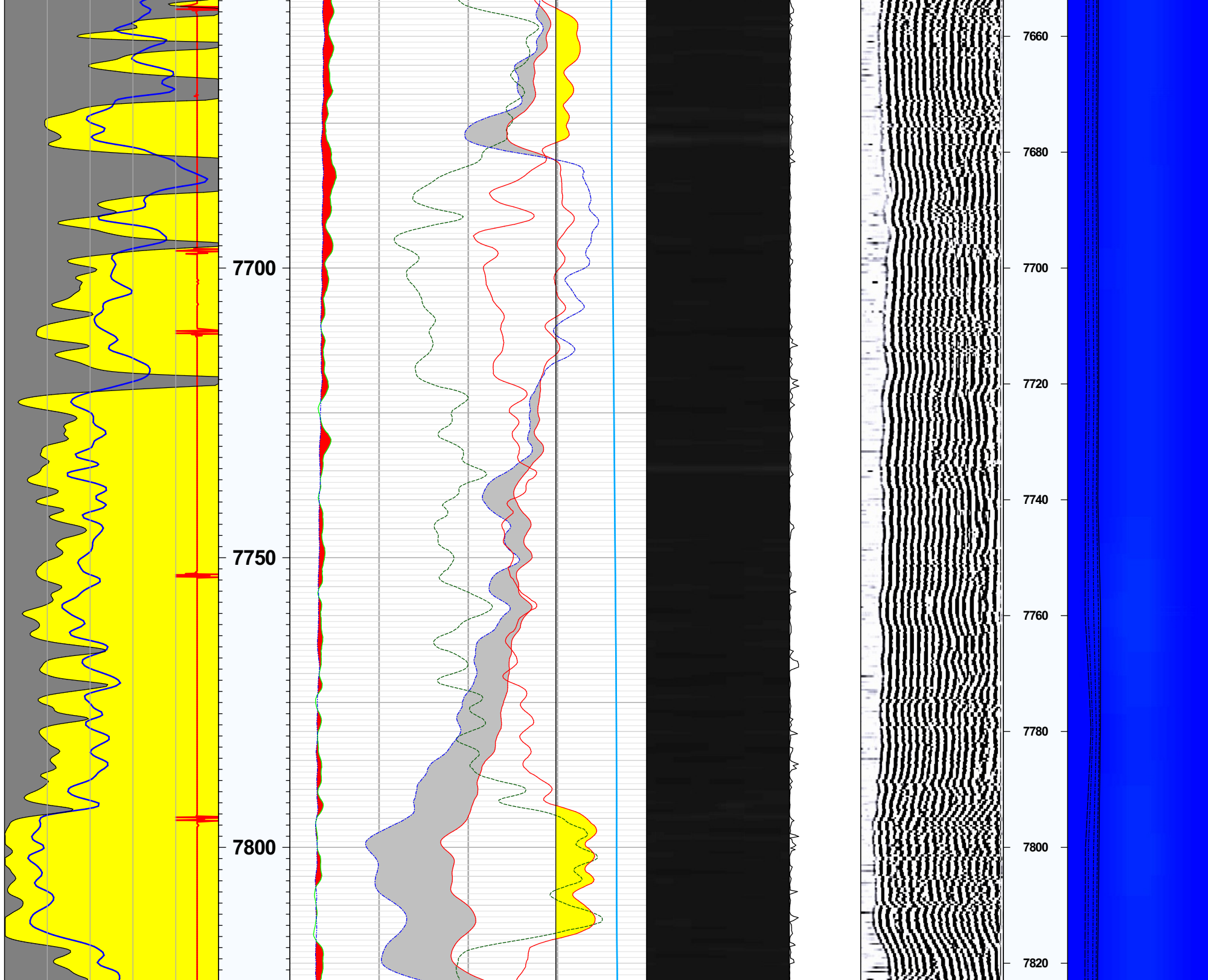


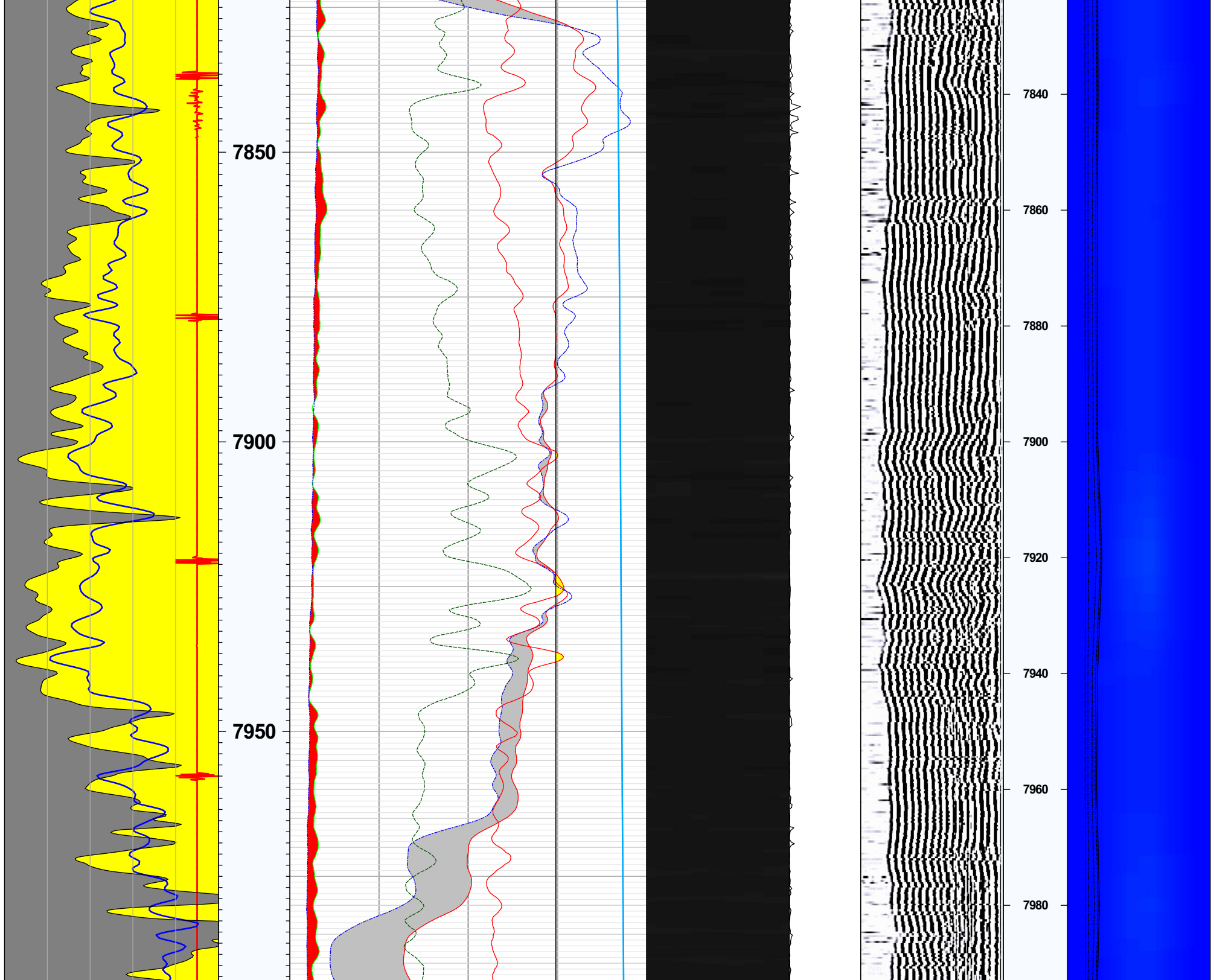


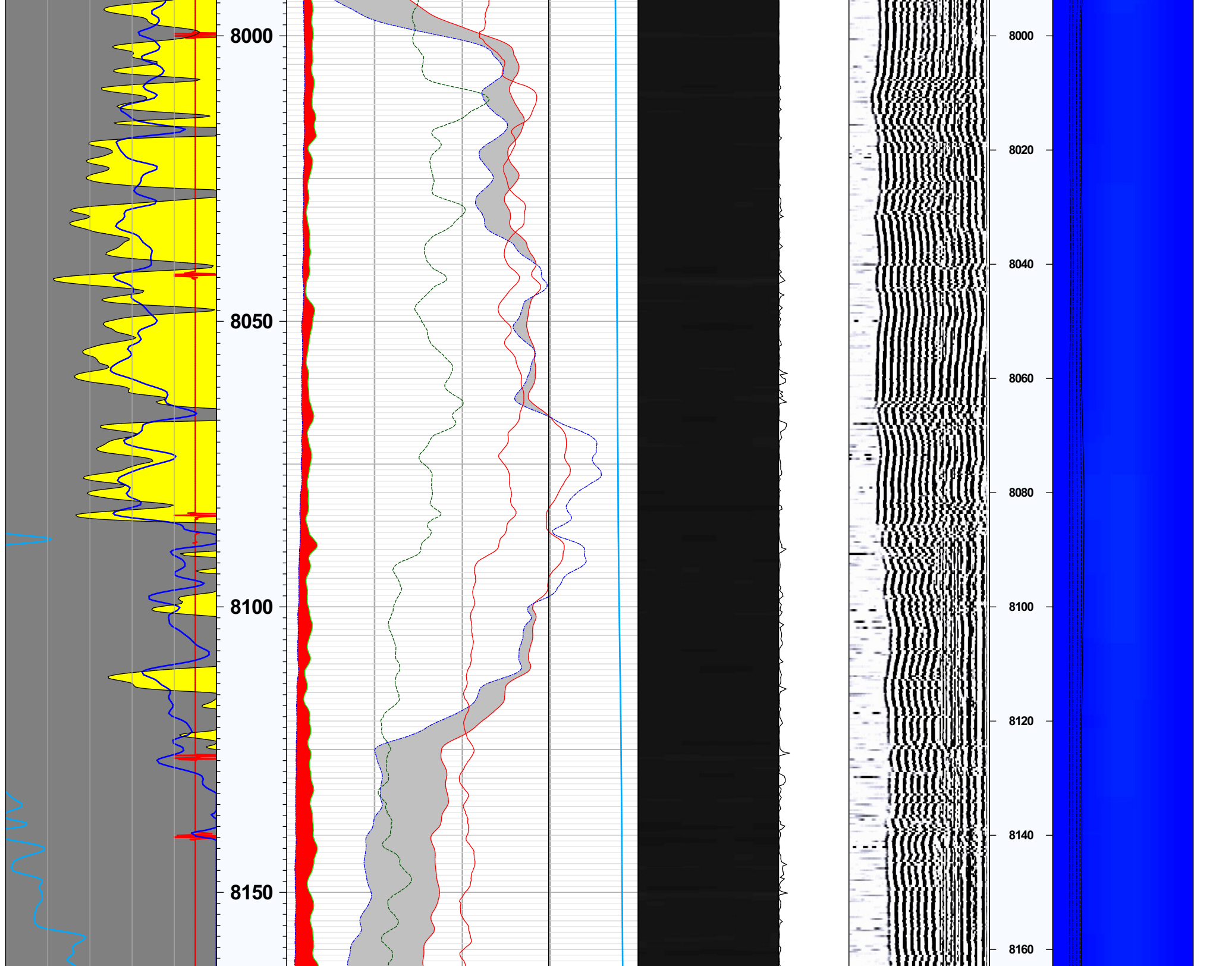












VSH			MD (ft) 1:240	ISS			0.00 35.10 57.85 81.25 129.35 SCVL-US-Cement Map 0 MPa Cement Map	AMPVF	SCVL-VDL	Noise Sample Locations (ft) 1:240	2KHZ		
0	v/v	1		100000	CPS	1.6e+06					0.1	mV	100
GR				ILS							4KHZ		
0	GAPI	120		-10000	CPS	62000					0.1	mV	100
COLLAR				POR							VDL		
0		100		60	P.U.	0	0.3	1.3e+02	0	mV	100	6KHZ	



Company: Encana Oil & Gas (USA) Inc.
Well: GRENEMEYER WAGNER #12-34
Field: Wattenburg
State: Colorado