

Company HIGHPOINT RESOURCES			
Well	GRINDE 01-64-05-3340B		
Field	WATTENBERG		
County	WELD	State	COLORADO
Location:	API # : 05-123-49719-00		Other Service
	SHL: 1550' FSL 290' FWL		NONE
	NWSW		
SEC 5	TWP 1N	RGE 64W	Elevation
Permanent Datum	GL		Elevation 5030'
Log Measured From	GL		K.B. 5046.5'
Drilling Measured From	KB 16.5'		D.F. 5046.5'
			G.L. 5030'

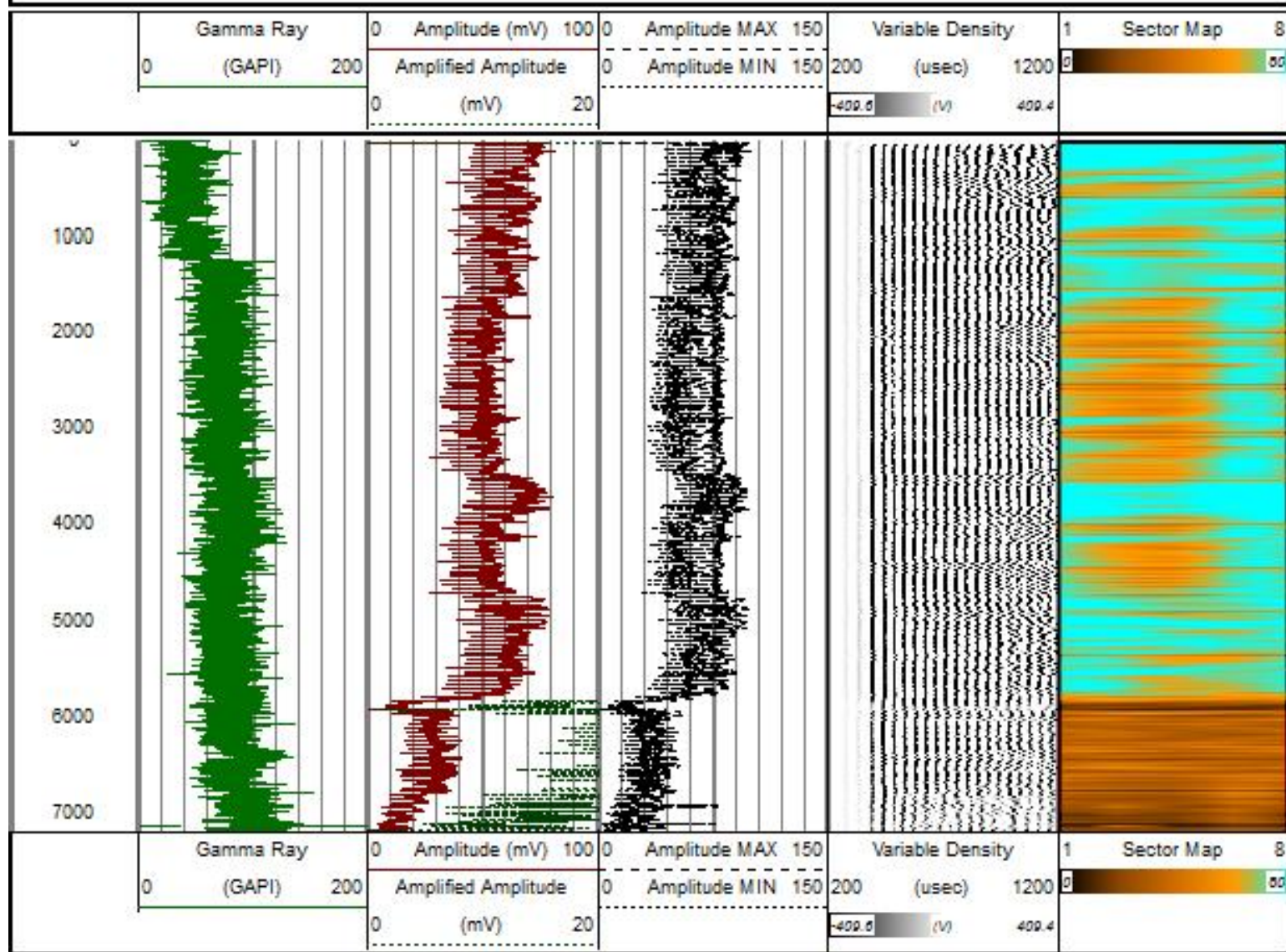
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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.

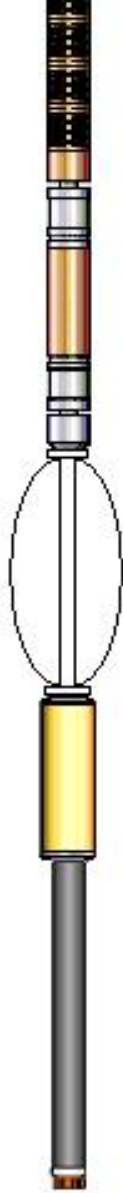
Comments



Database File 90887_highpoint_grinde_robl.db
 Dataset Pathname QUICK_LOOK
 Presentation Format rbl_1inch_2020
 Dataset Creation Sat Jan 11 12:00:39 2020
 Charted by Depth in Feet scaled 1:20000



Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-STNDRD Standard Cable Head	1.00	1.44	1.00
			CENT-tekco	2.73	2.75	50.00

WVFS8	12.56		RBT-Probe (DD3_9_5_8) Probe Radli Band Tool with Digital Telemetry	8.92	2.75	90.00
WVFS7	12.56					
WVFS6	12.56					
WVFS5	12.56					
WVFS4	12.56					
WVFS3	12.56					
WVFS2	12.56					
WVFS1	12.56					
WVFCAL	12.56					
WVF3FT	12.56					
WVF5FT	11.48					
			CENT-tekoo	2.73	2.75	50.00
CCL	4.33		CCL-tekoo (D3) 3.125 logging ccl	1.83	3.13	20.00
			GR-probe 2.75 (DA2)	3.67	2.75	100.00
GR	1.13					
Dataset: 90667_highpoint_grinde_rcbl.db: field/well/run1/MAIN Total length: 20.88 ft Total weight: 311.00 lb O.D.: 3.13 in						

Calibration Report		
Database File	90667_highpoint_grinde_rcbl.db	
Dataset Pathname	MAIN	
Dataset Creation	Sat Jan 11 11:58:58 2020	
Gamma Ray Calibration Report		
Serial Number:	DA2	
Tool Model:	probe 2.75	
Performed:	Thu Jan 08 13:40:14 2015	
Calibrator Value:	200.0	GAPI
Background Reading:	39.6	cps
Calibrator Reading:	259.2	cps
Sensitivity:	0.9108	GAPI/cps
Segmented Cement Bond Log Calibration Report		
Serial Number:	DD3_9_5_8	
Tool Model:	Probe	

Calibration Casing Diameter:
Calibration Depth:

4.500
154.843

in
ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.025	0.674	1.000	81.196	123.538	-2.122
CAL	1.017	1.016				
5'	0.014	0.609	1.000	81.196	134.830	-0.935
SUM						
S1	0.046	0.792	0.000	100.000	133.917	-8.097
S2	0.039	0.719	0.000	100.000	147.010	-5.670
S3	0.029	0.676	0.000	100.000	154.853	-4.517
S4	0.021	0.691	0.000	100.000	149.459	-3.203
S5	0.019	0.716	0.000	100.000	143.465	-2.673
S6	0.018	0.751	0.000	100.000	136.422	-2.486
S7	0.023	0.805	0.000	100.000	127.926	-2.977
S8	0.045	0.841	0.000	100.000	125.630	-5.627

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	1.017	1.016	1.000	0.000

Air Zero Calibration, performed Tue Jan 07 10:08:37 2020:

	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	



MAIN PASS

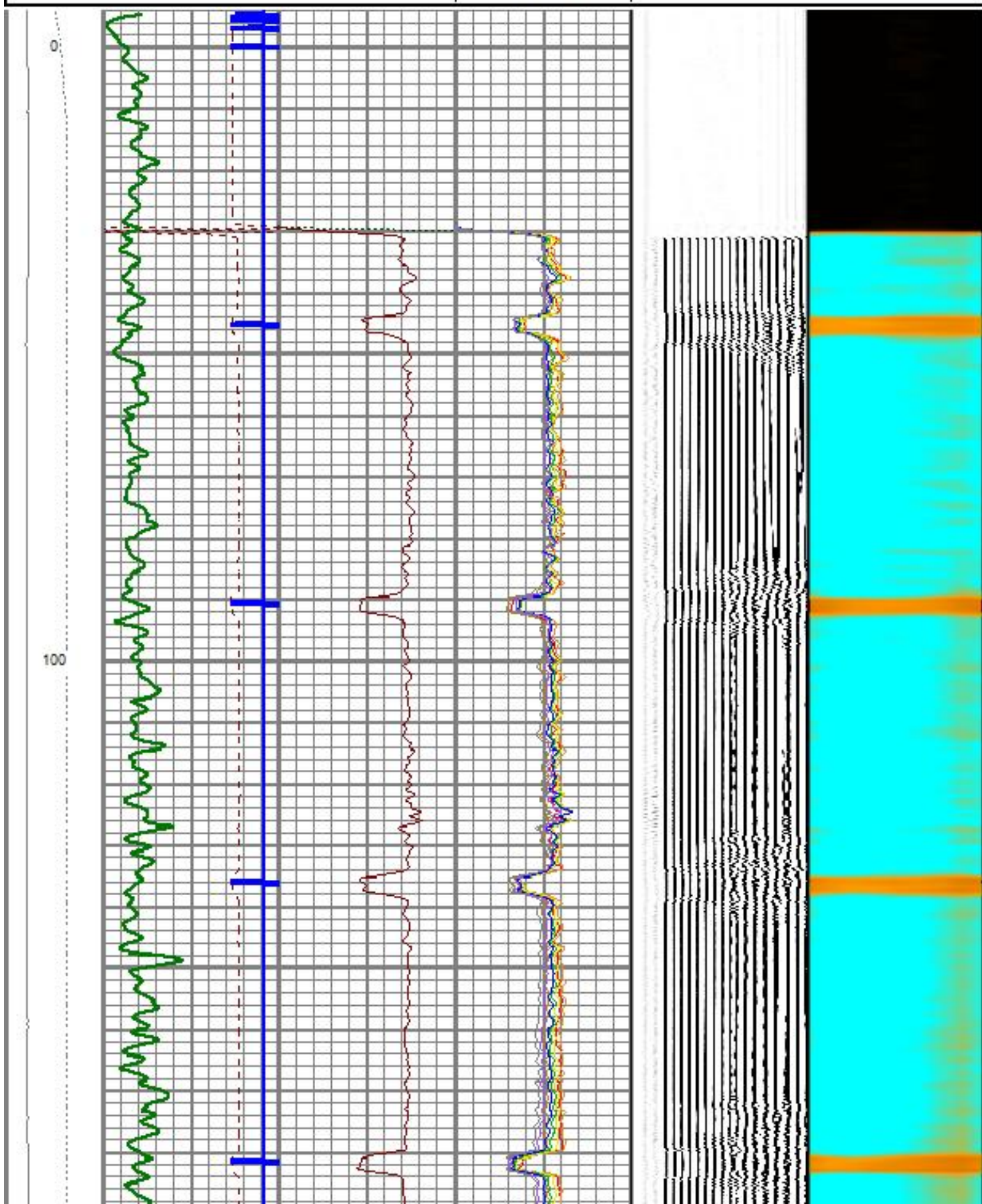
0 PSI ON WELL WHILE LOGGING

Database File 90687_highpoint_grinde_robl.db
Dataset Pathname MAIN
Presentation Format rbl_all_8_2020
Dataset Creation Sat Jan 11 11:58:56 2020
Charted by Depth in Feet scaled 1:240

LTEN	3' Travel Time	0	3' Amplitude (mV)	100	0	AMPS1	150	5' Variable Density	1	SECTORS	8
0	(lb) 1000	400	(usec)	200	3' Amplified Amplitude	0	AMPS2	150	200	(usec)	1200
LSPD	Casing Collar Locator	0	(mV)	20	0	AMPS3	150	-400.0	(V)	400.4	

(ft/min)	Gamma Ray		
500	-500	0	(GAPI)
			200

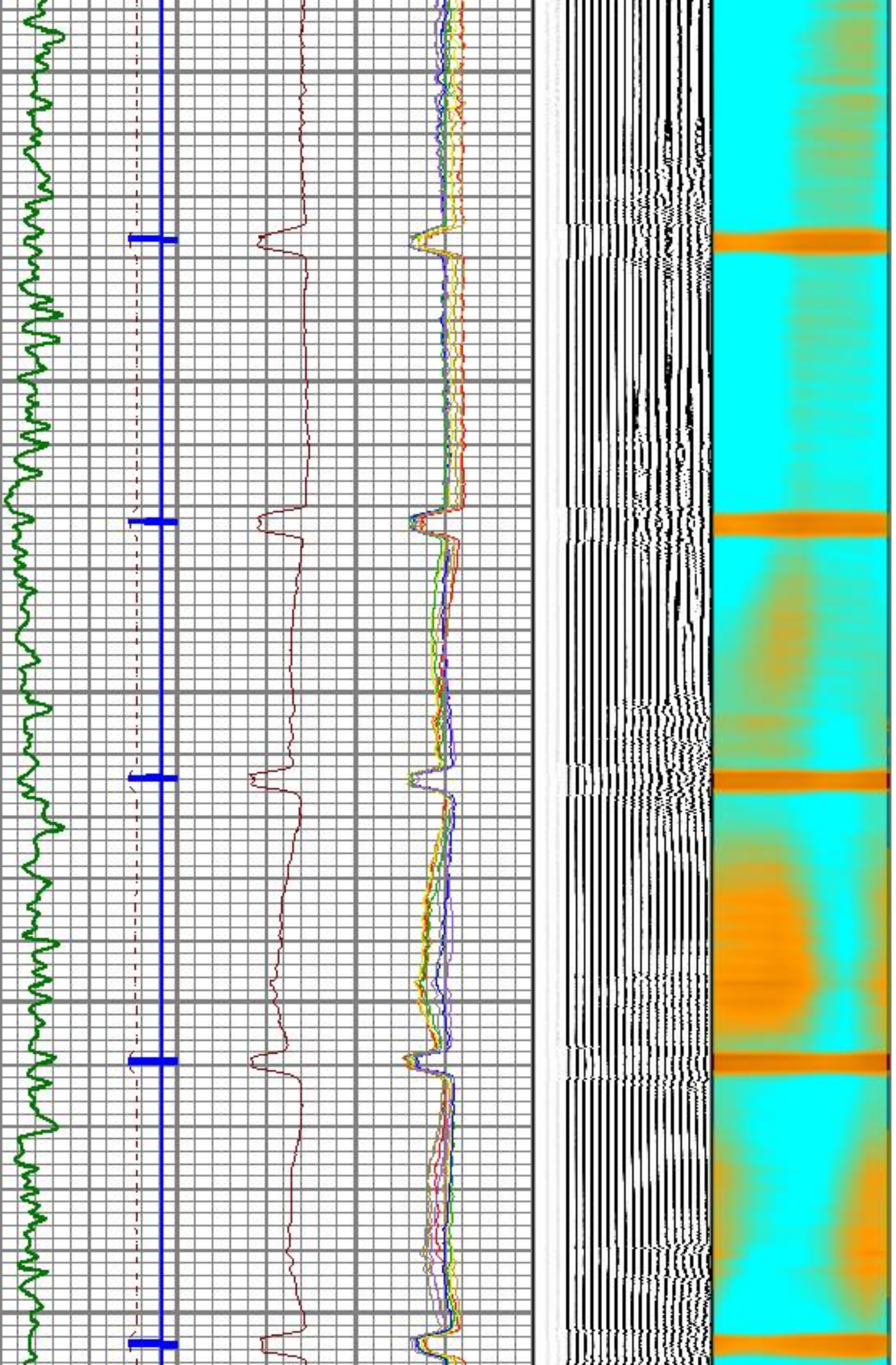
0	AMPS4	150
0	AMPS5	150
0	AMPS6	150
0	AMPS7	150
0	AMPS8	150



200

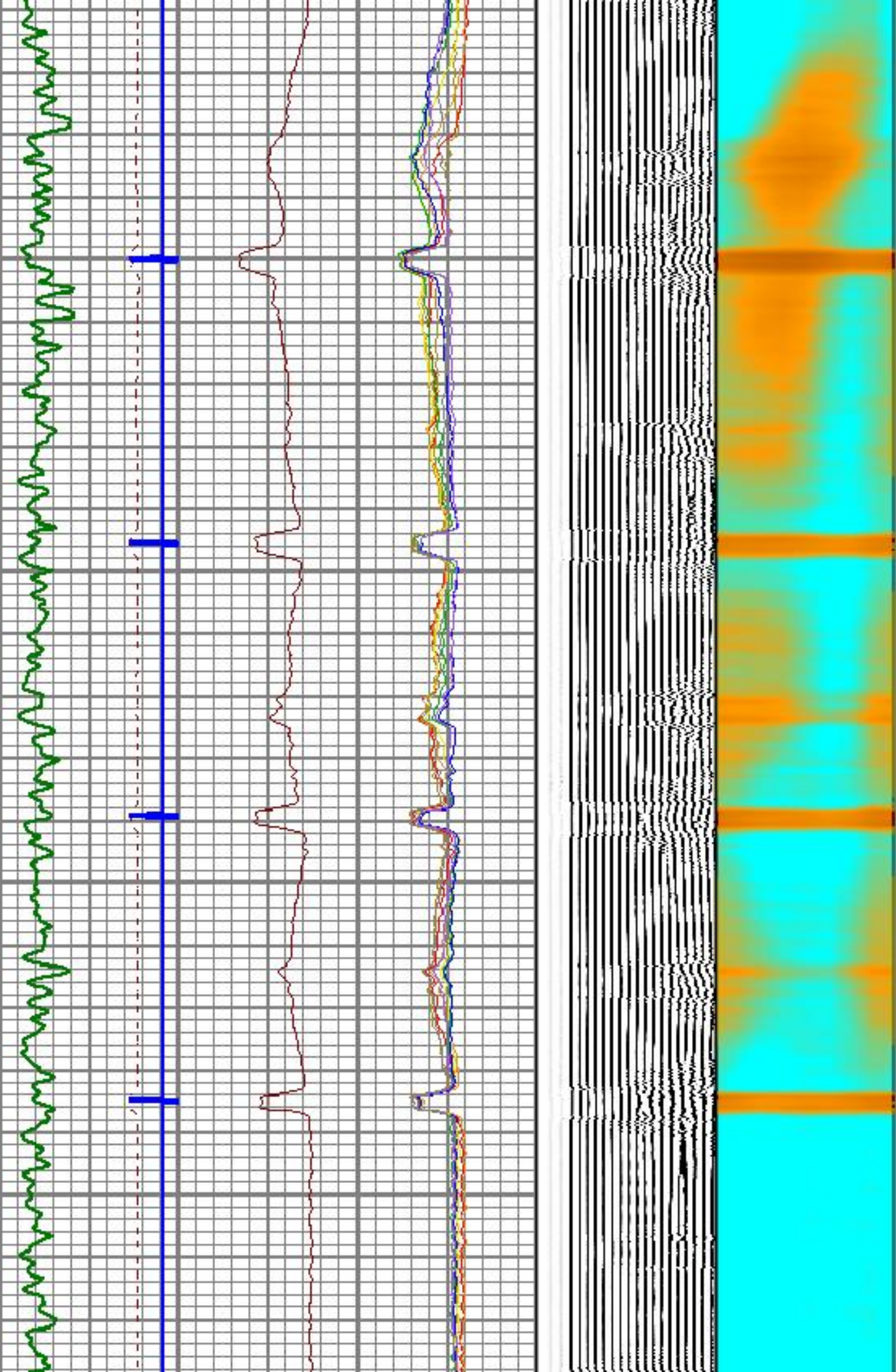
300

400



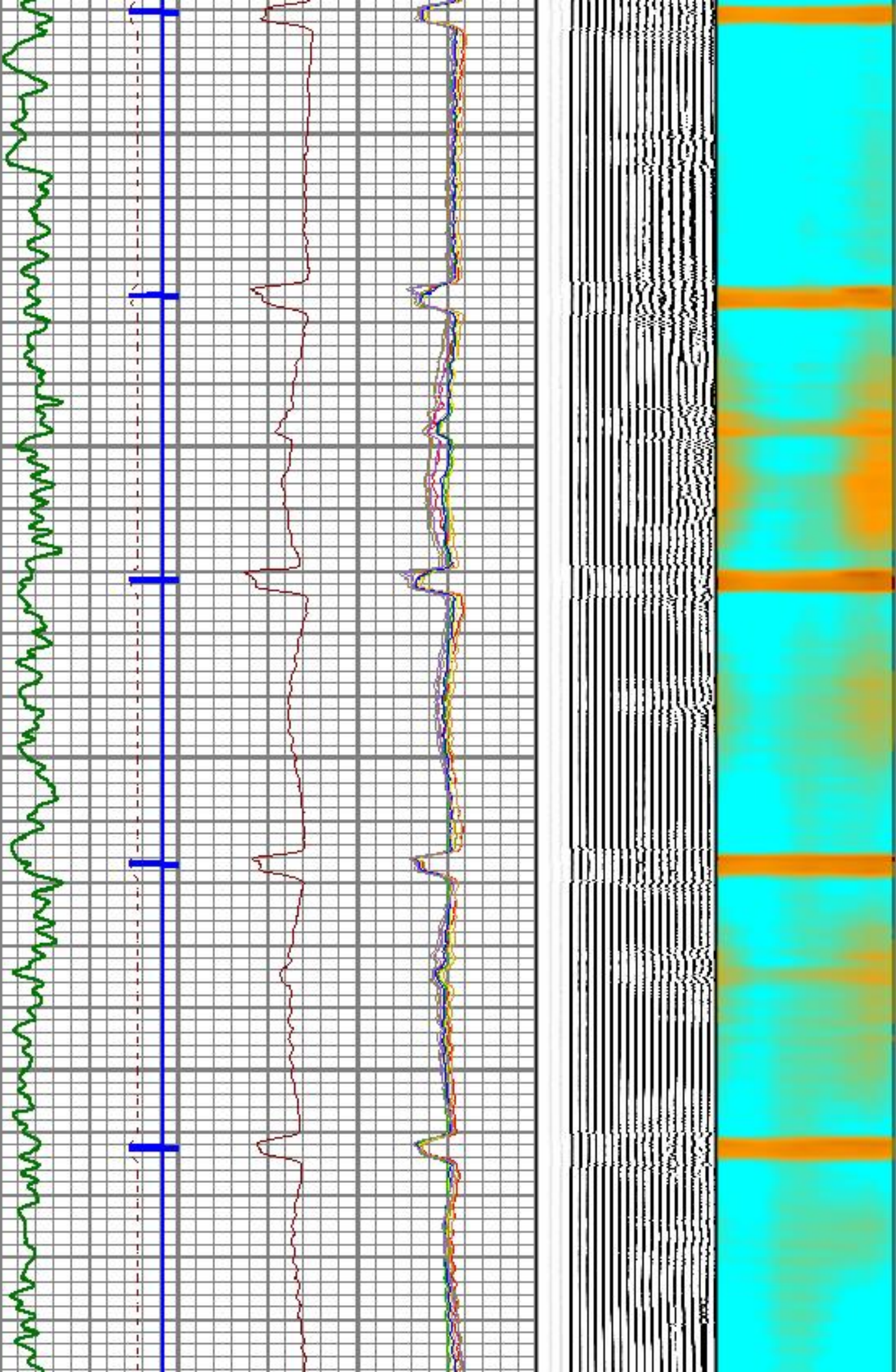
500

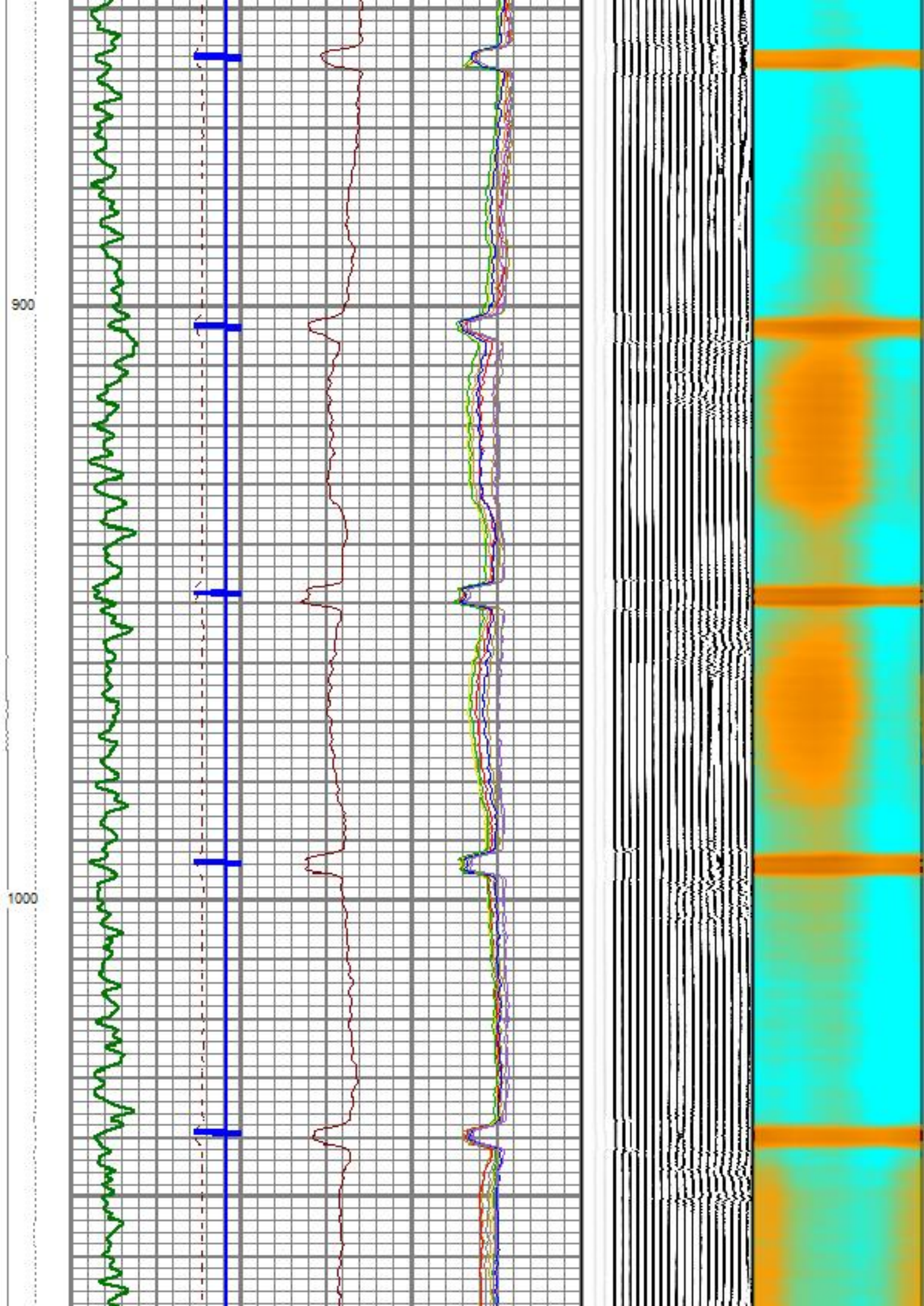
600



700

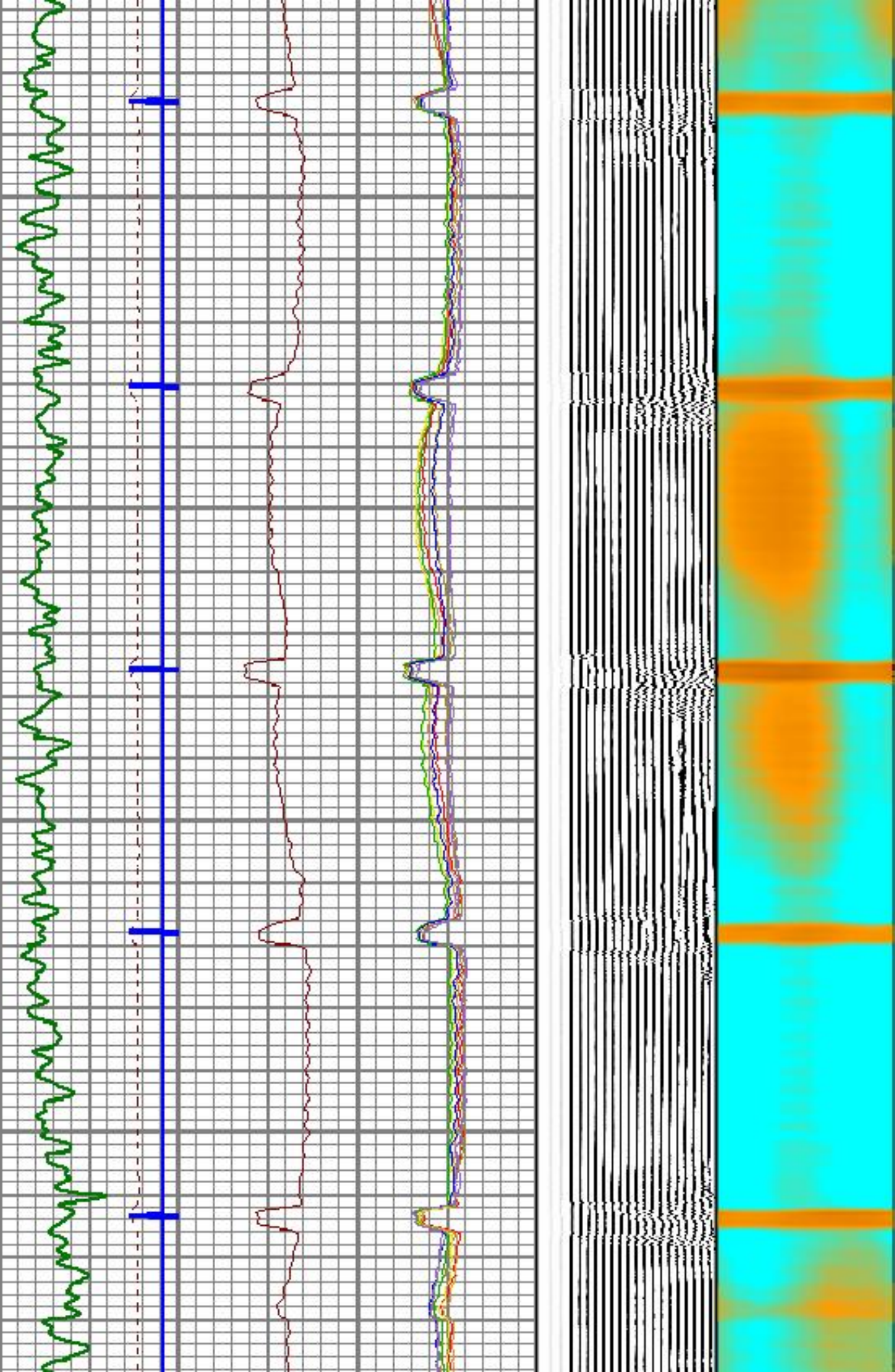
800





1100

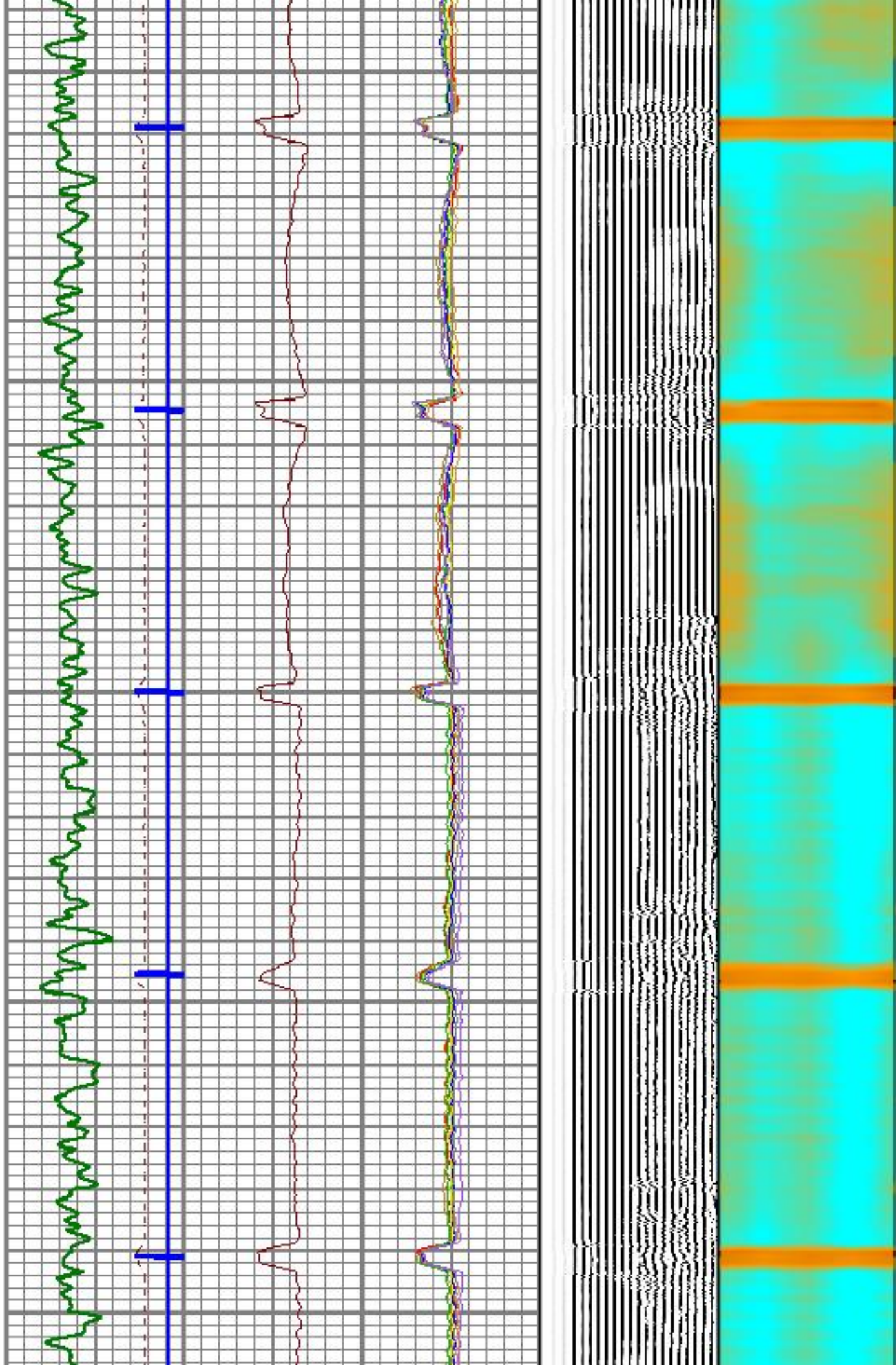
1200



1300

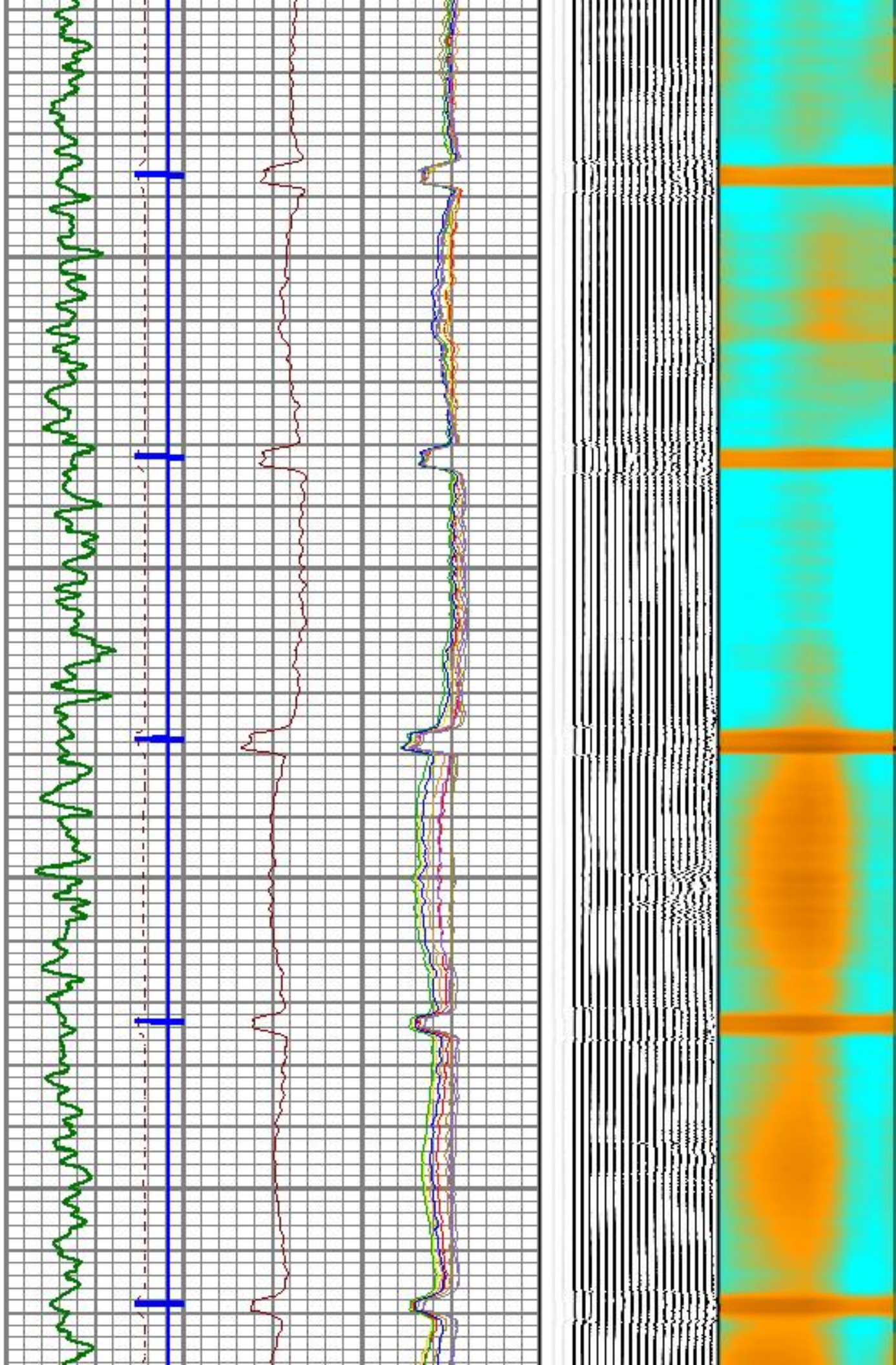
1400

1500



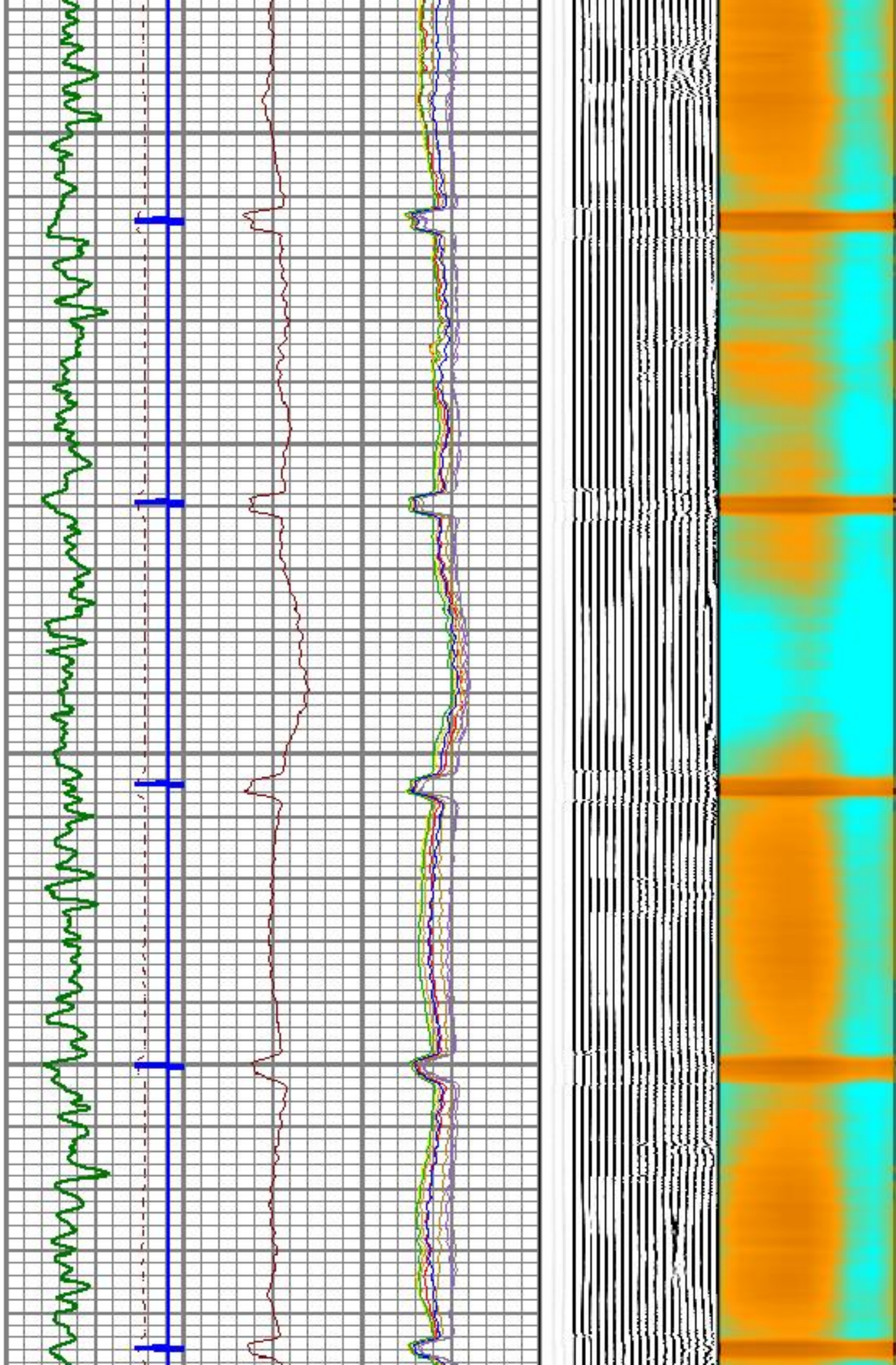
1600

1700



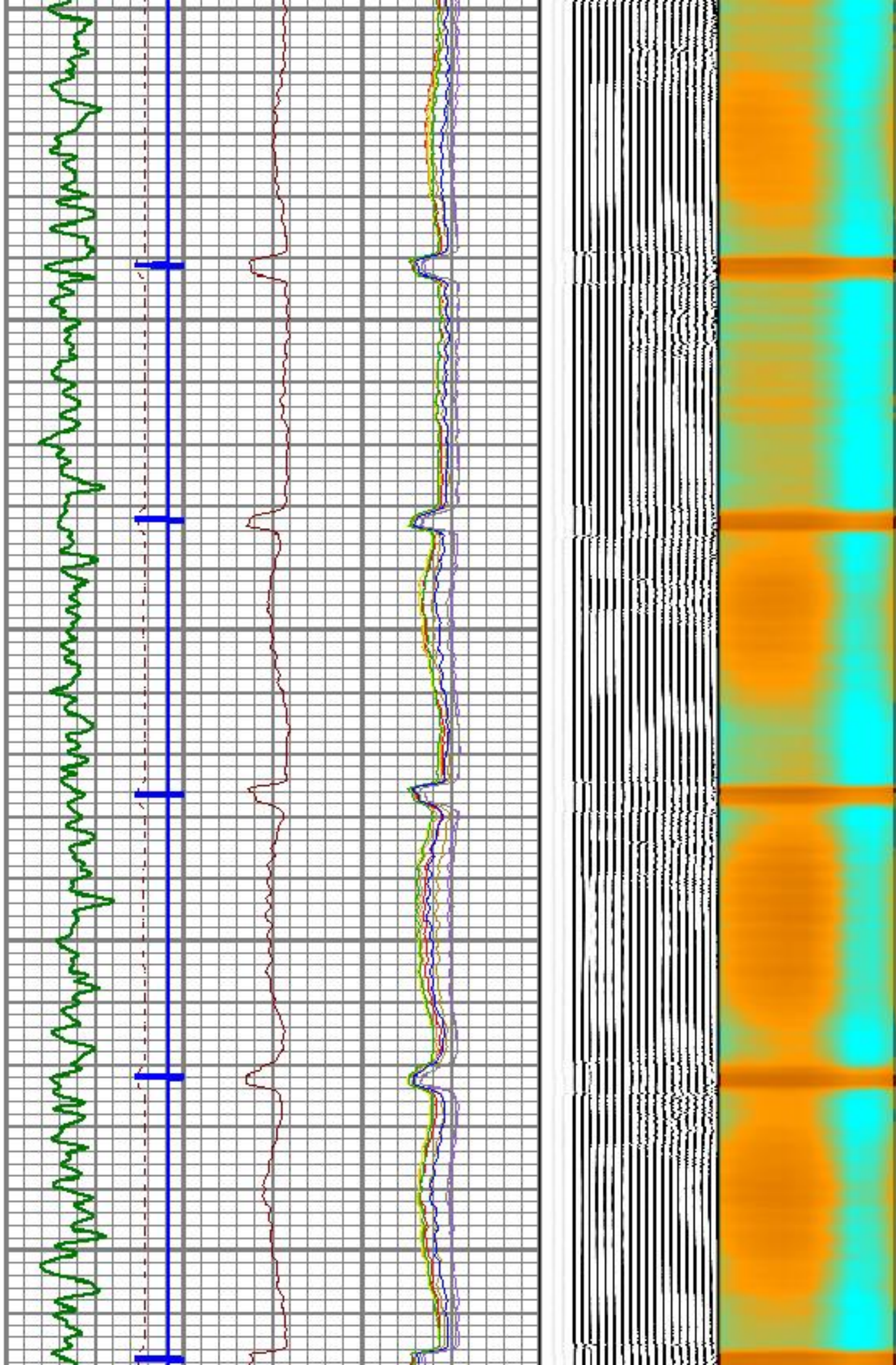
1800

1900



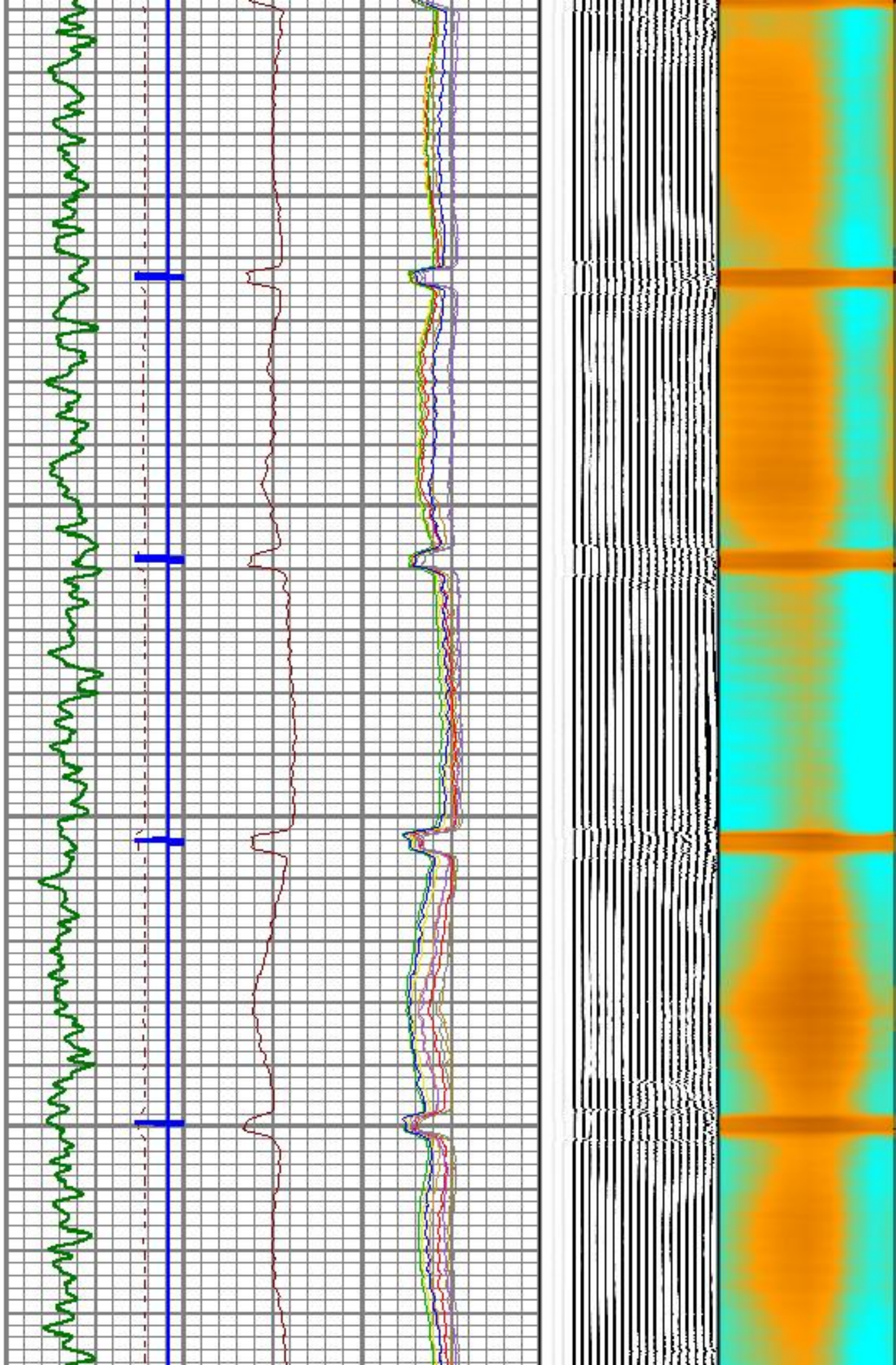
2000

2100



2200

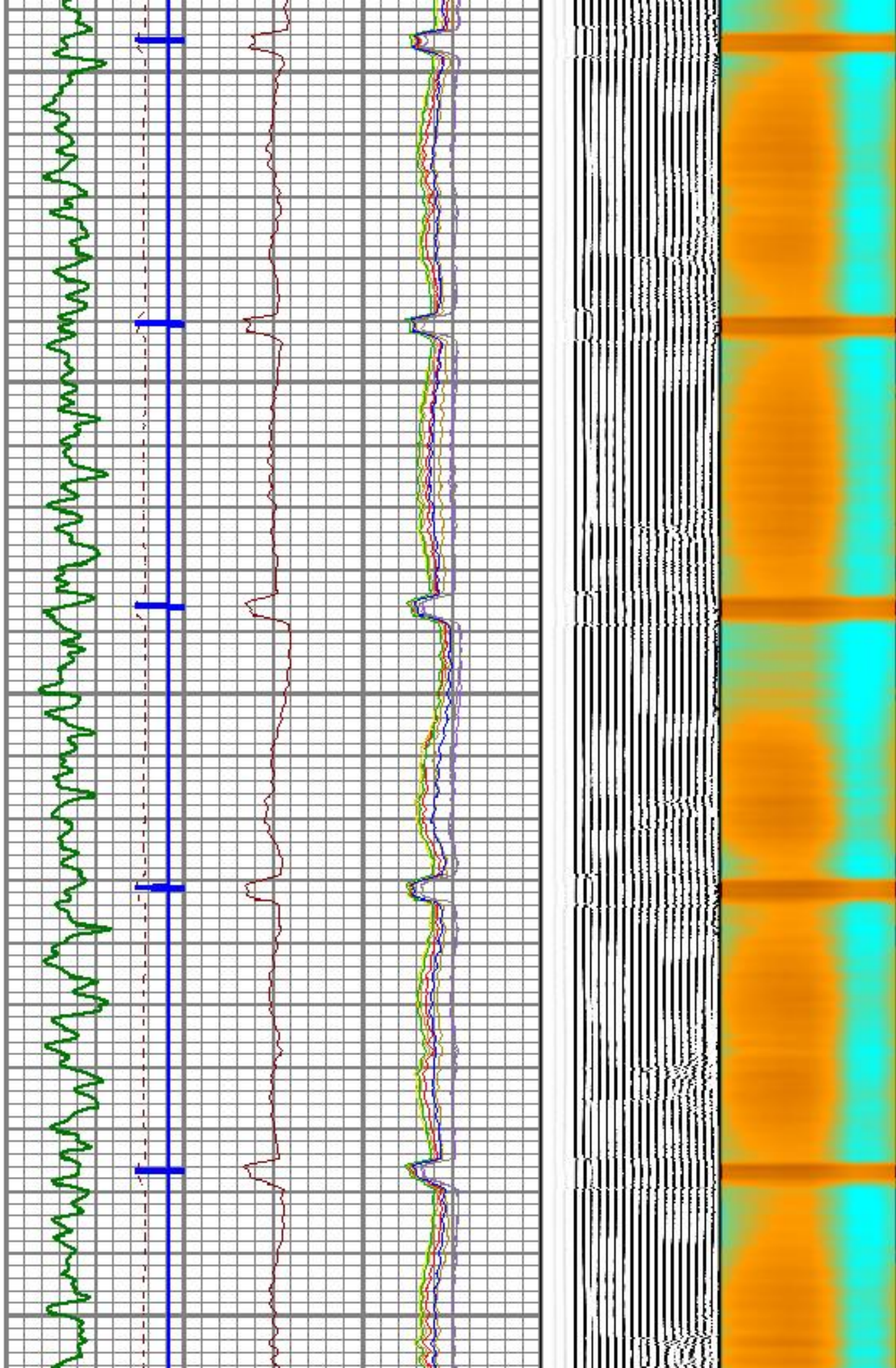
2300



2400

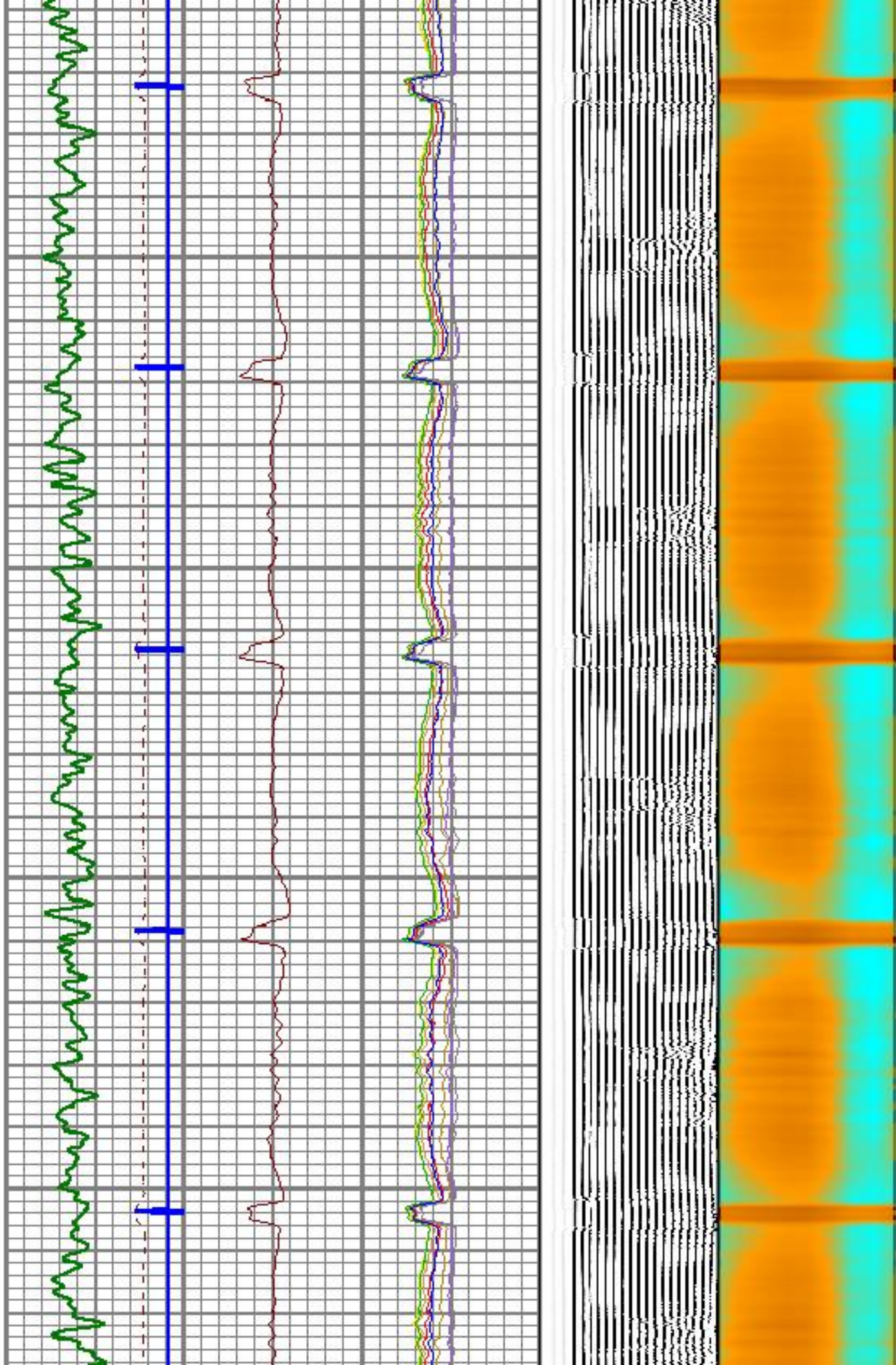
2500

2600



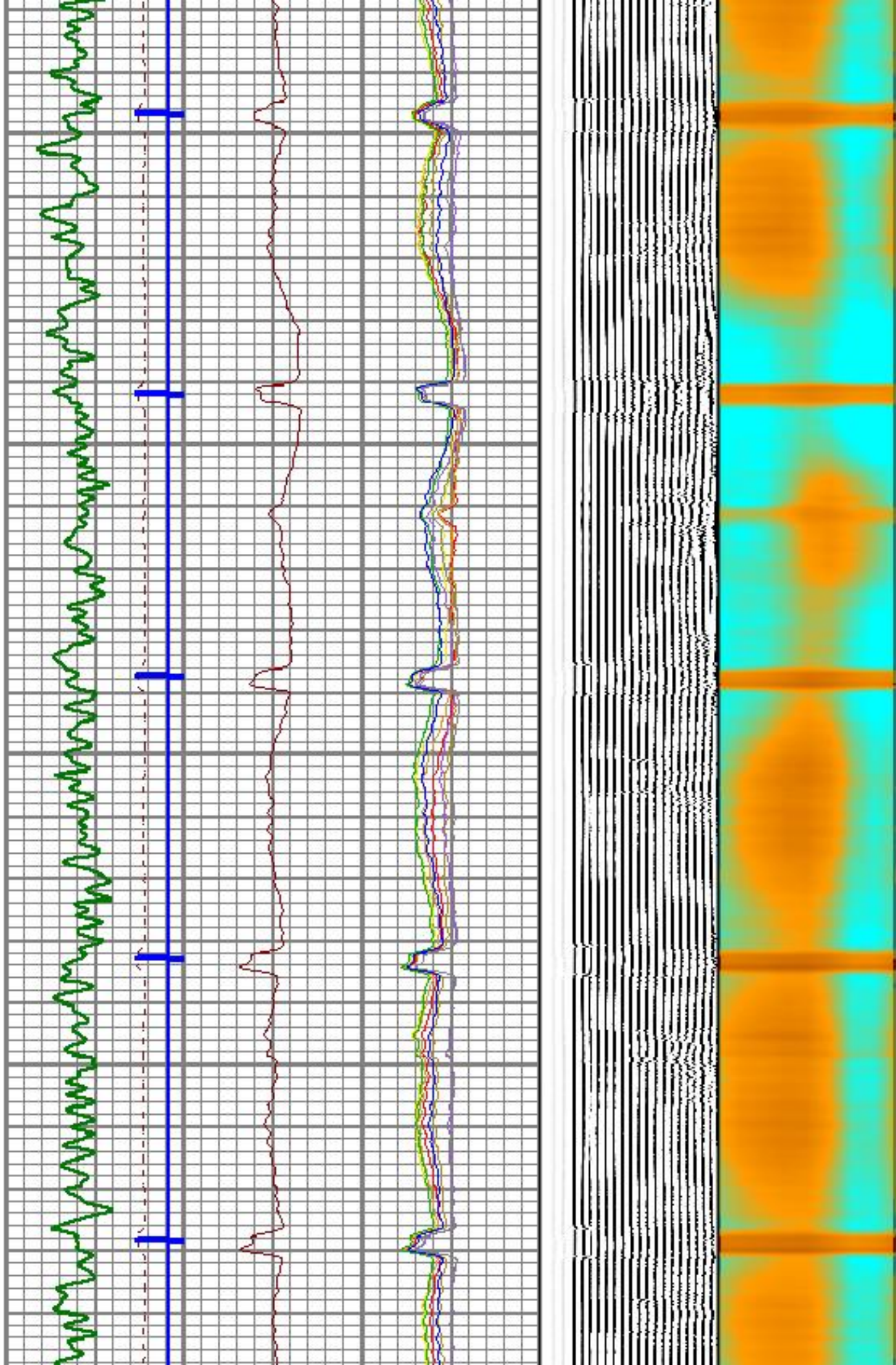
2700

2800



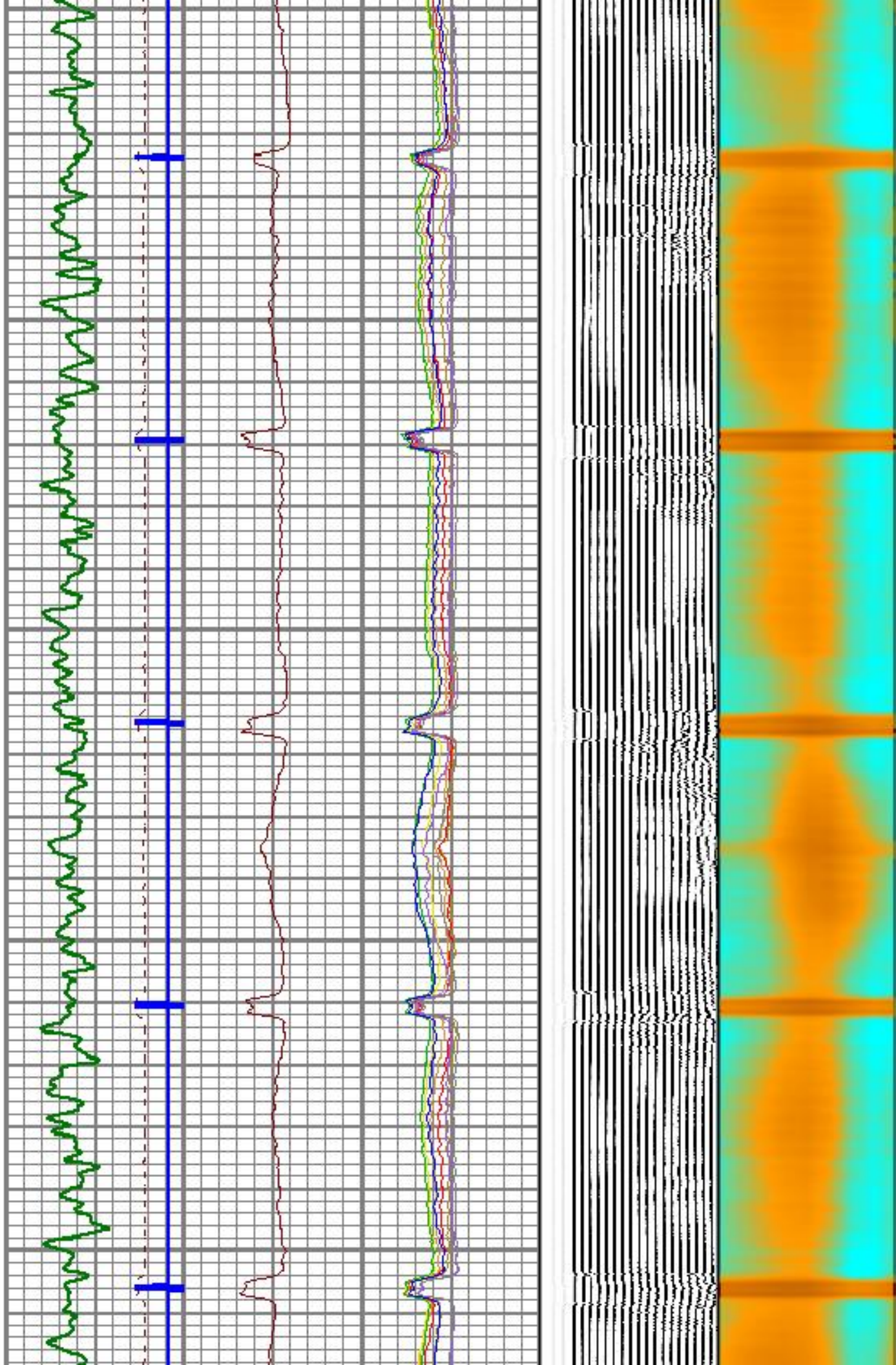
2900

3000



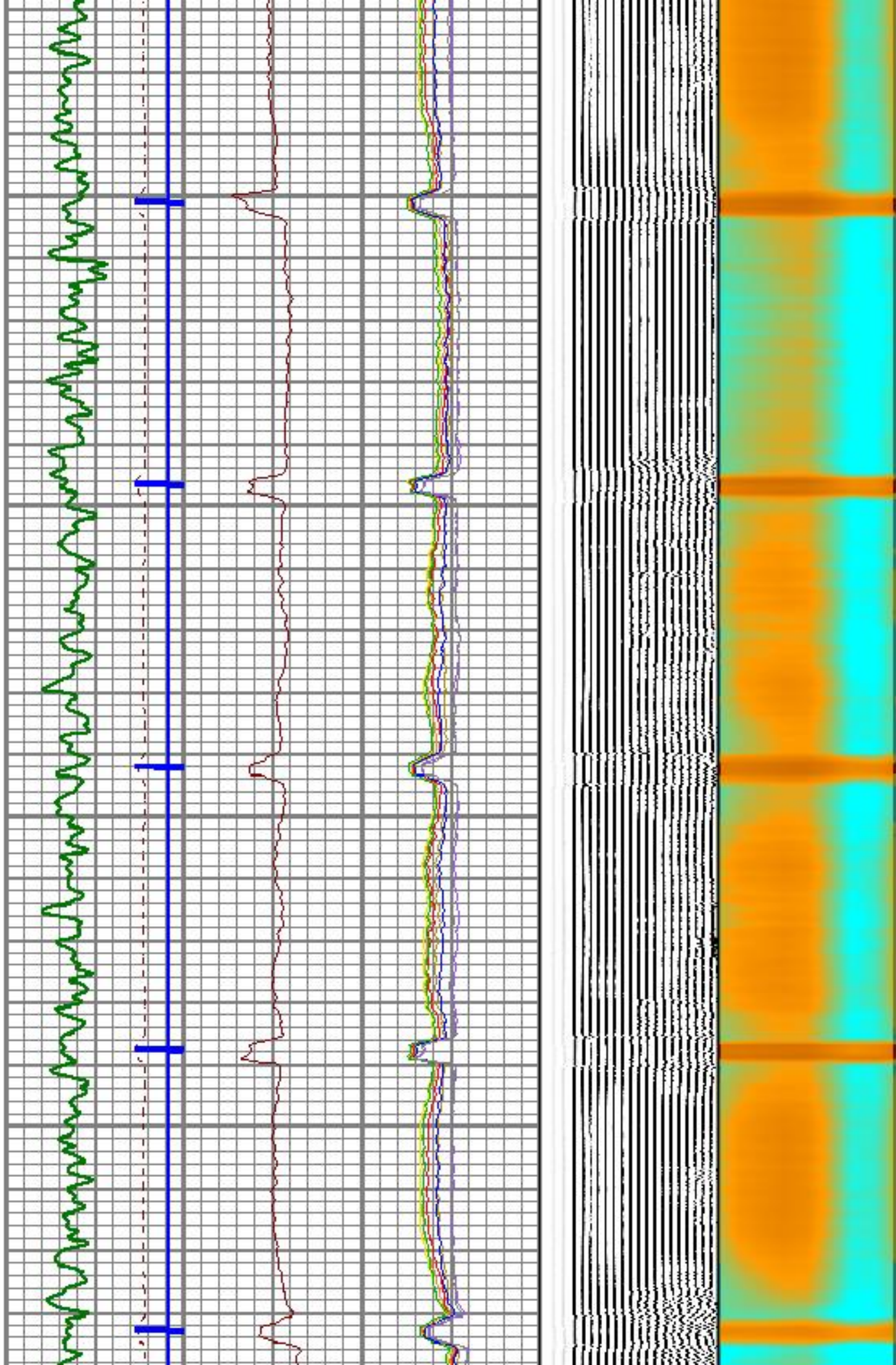
3100

3200



3300

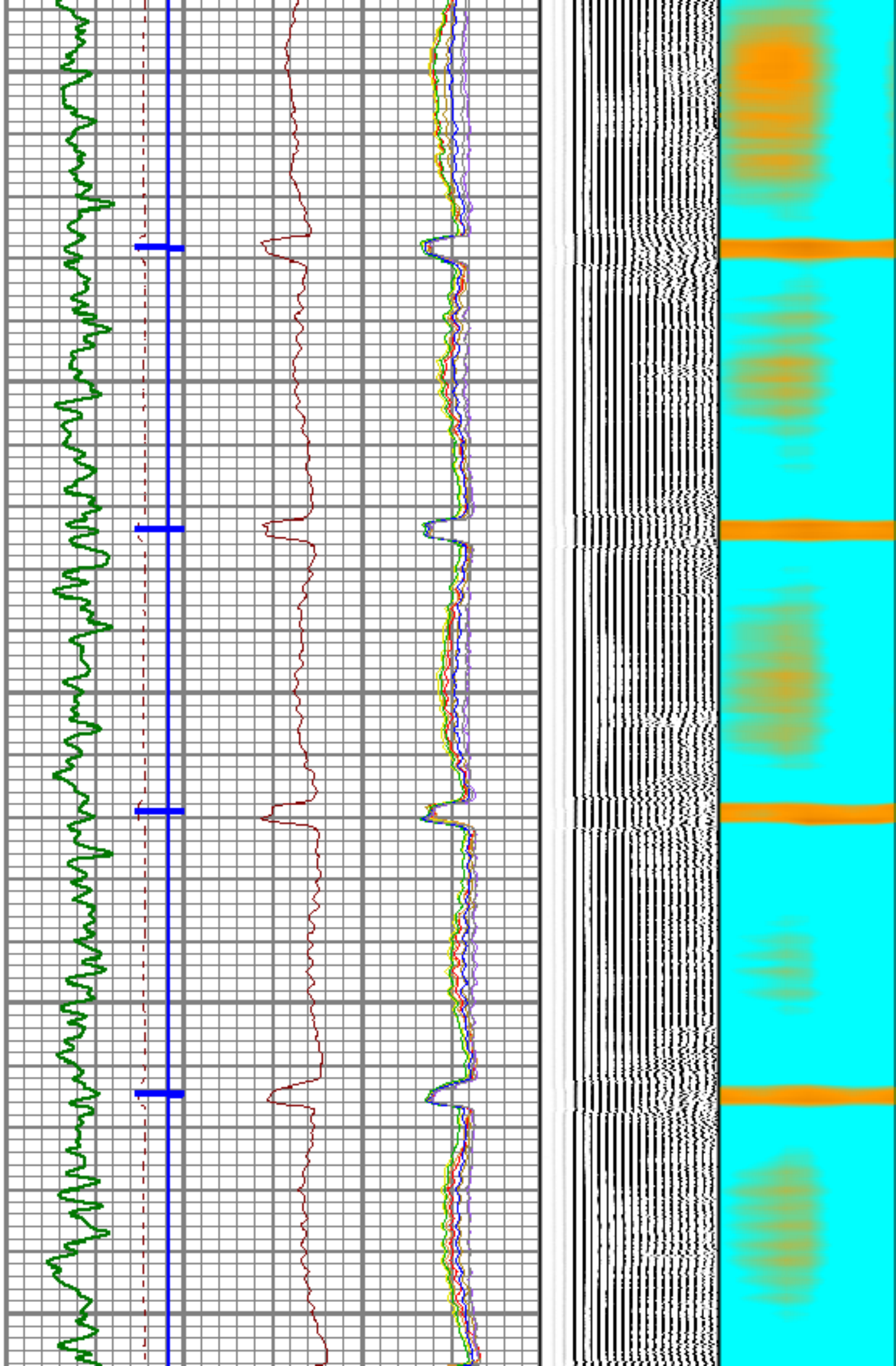
3400



3500

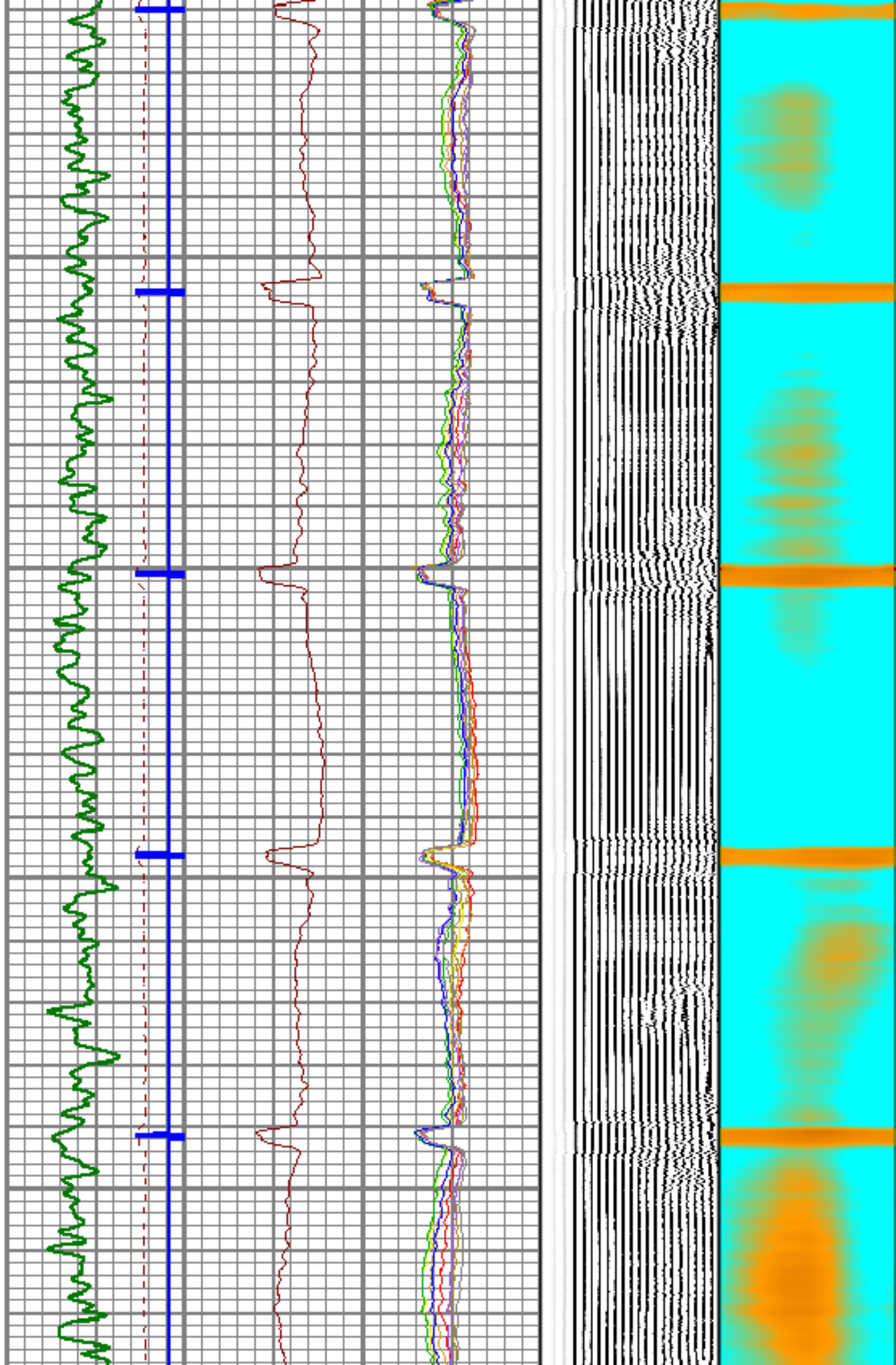
3600

3700



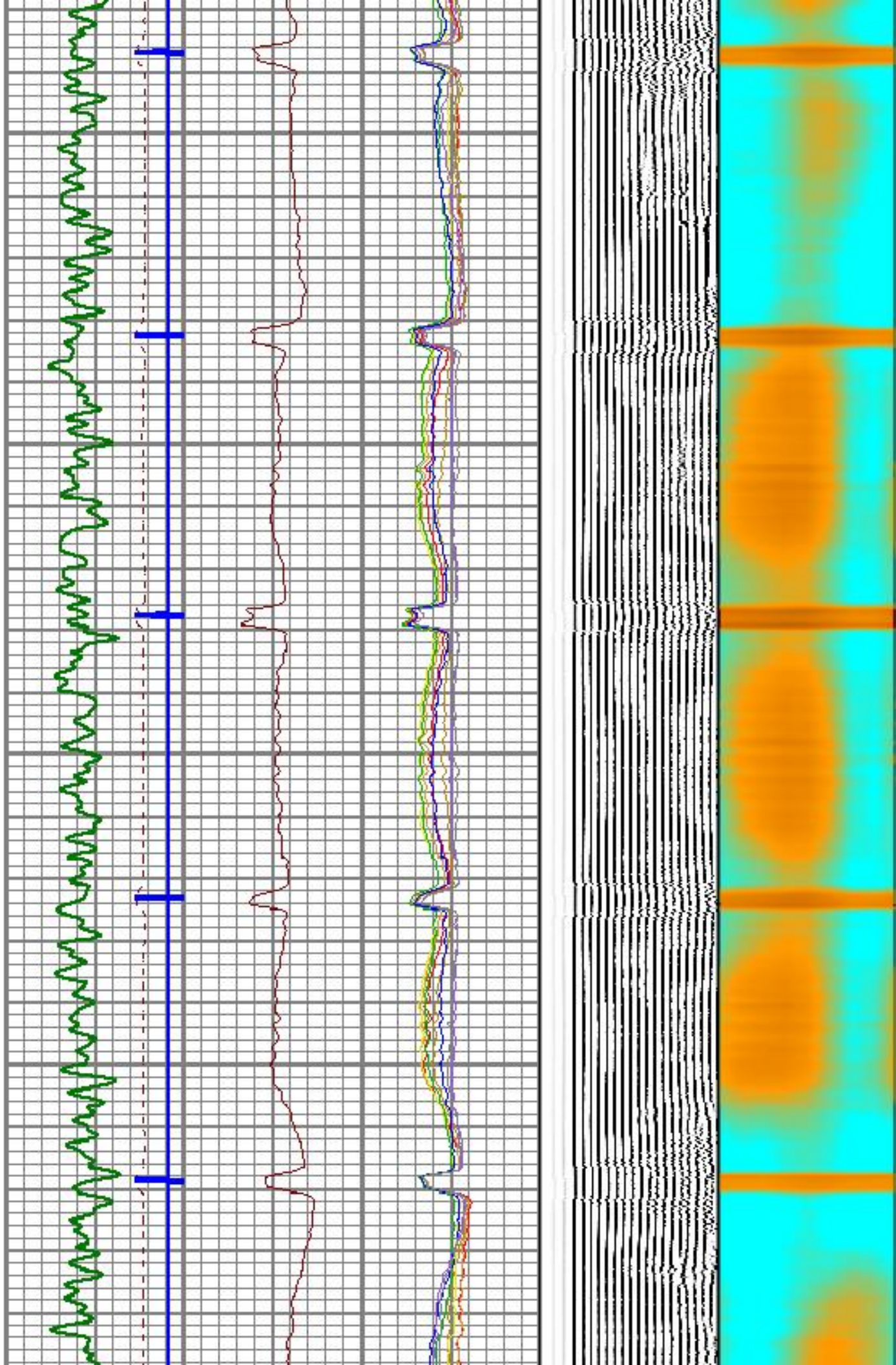
3800

3900



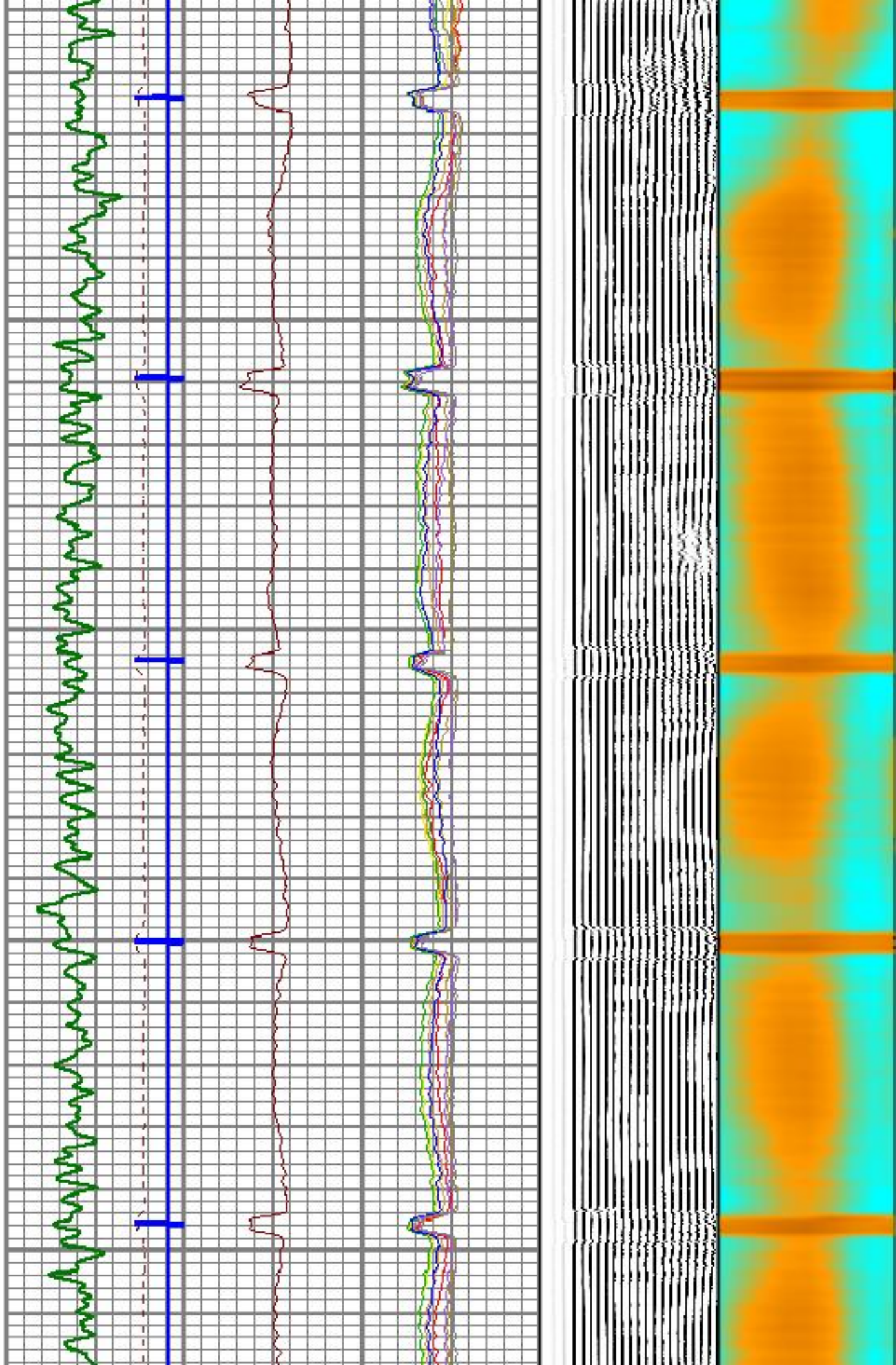
4000

4100



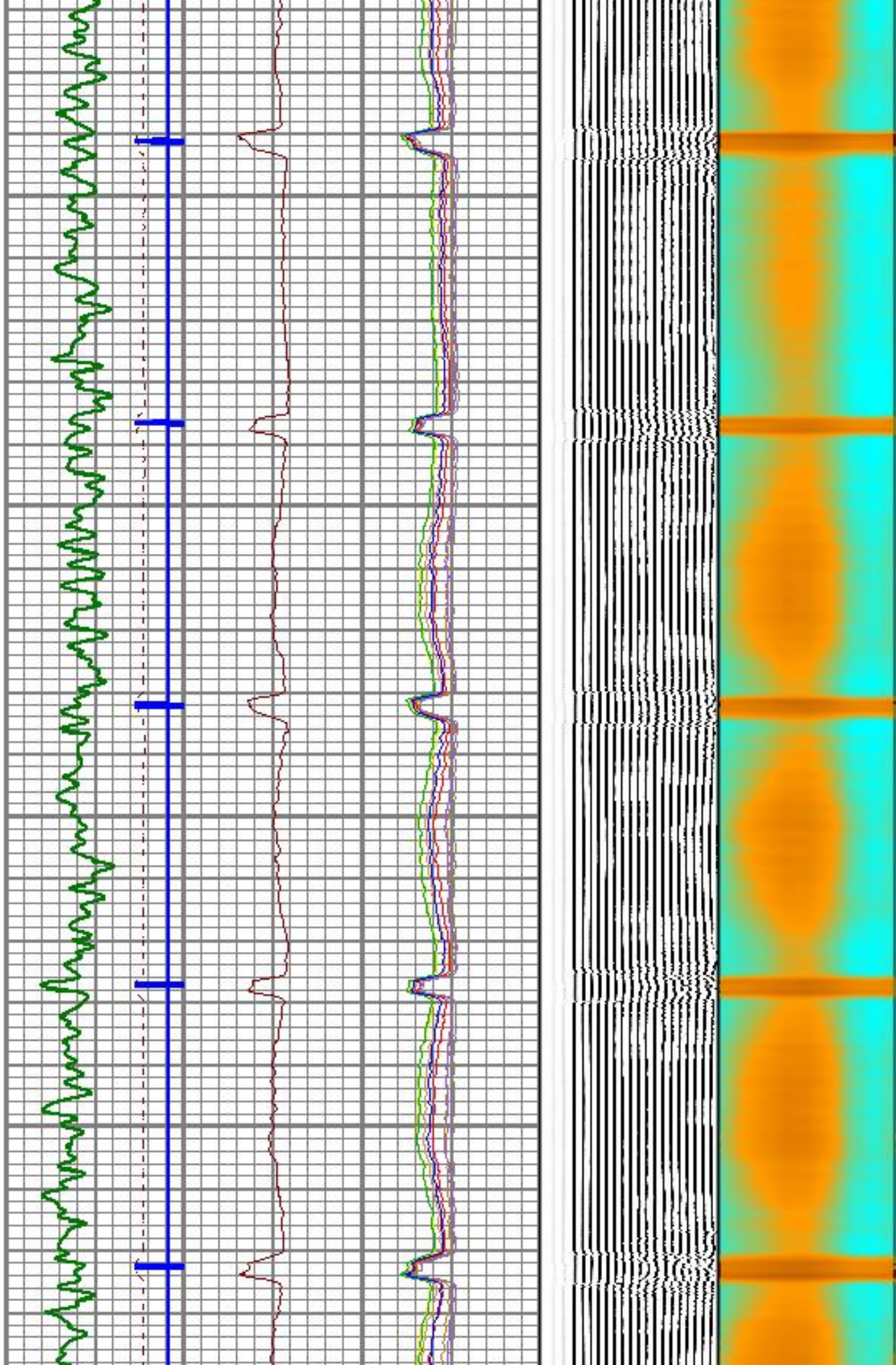
4200

4300



4400

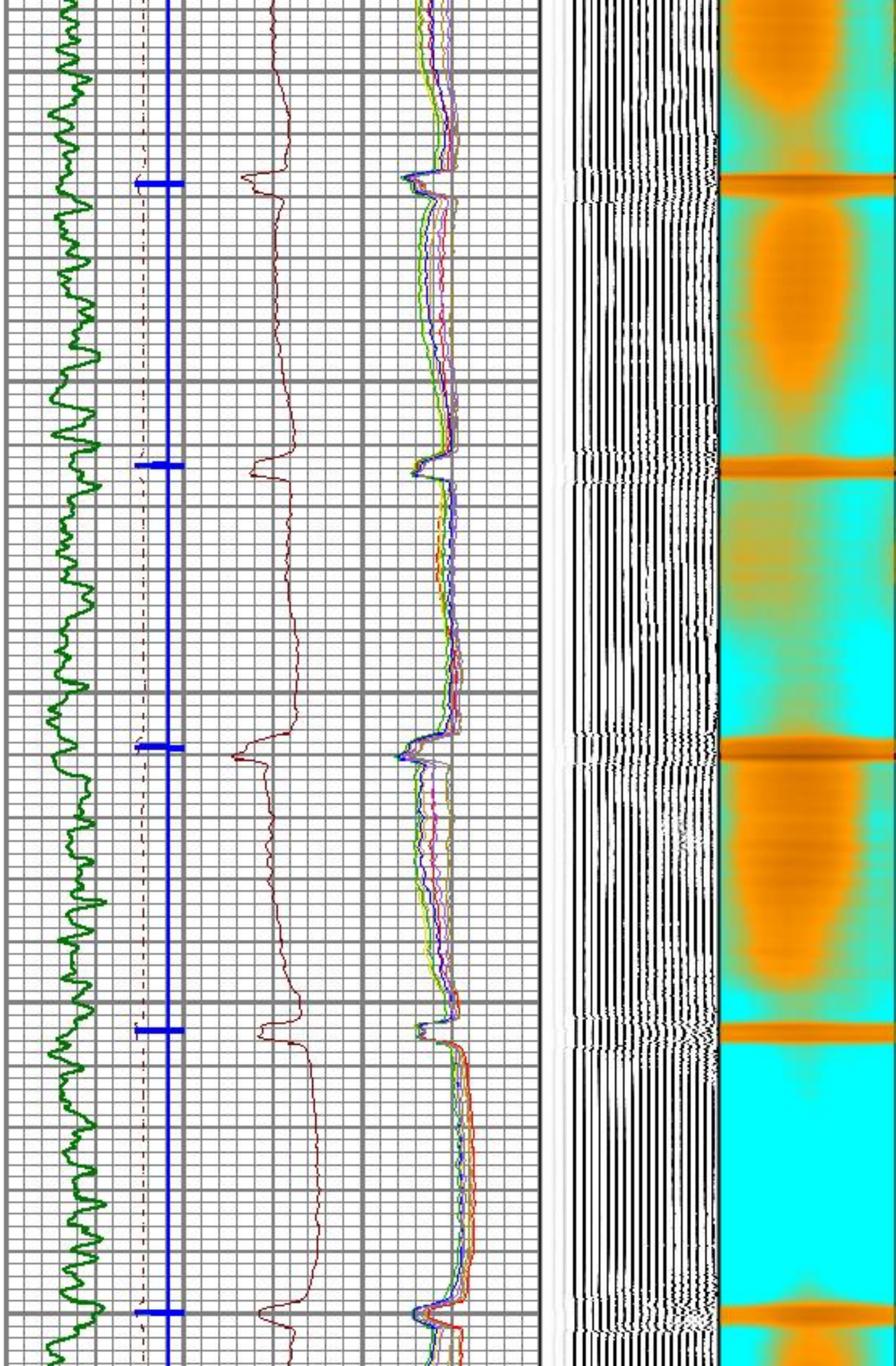
4500



4600

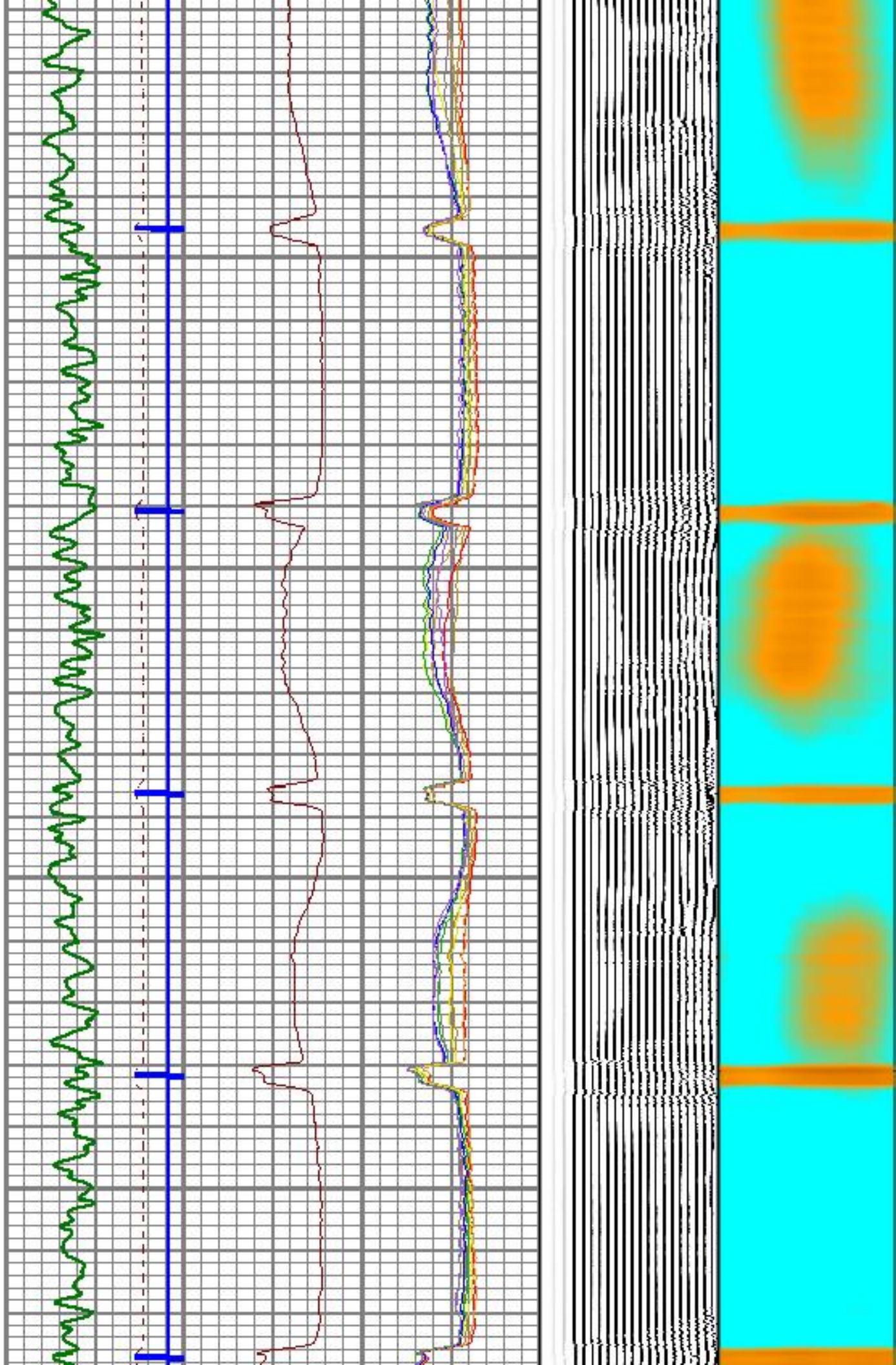
4700

4800



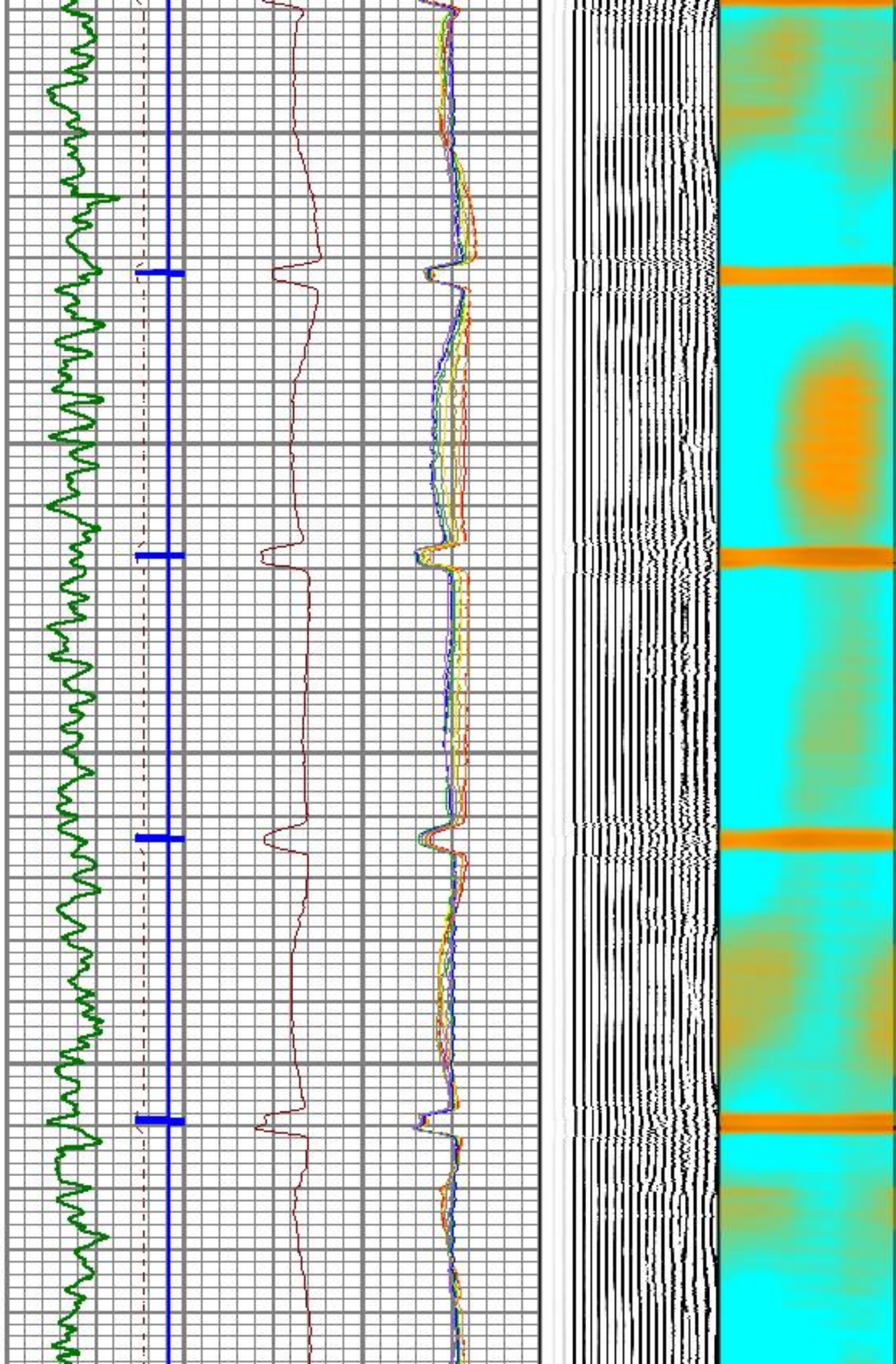
4900

5000



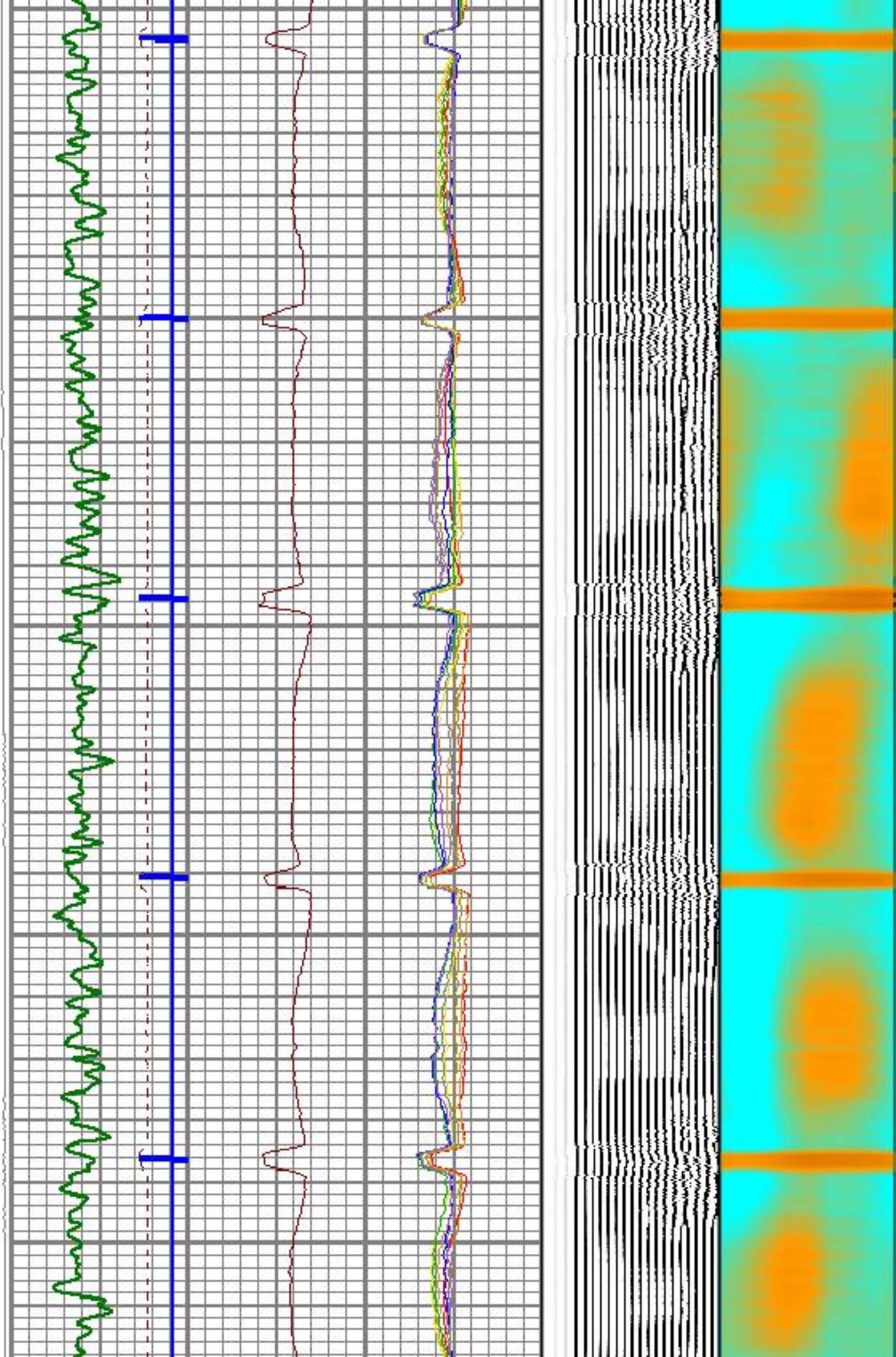
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5200



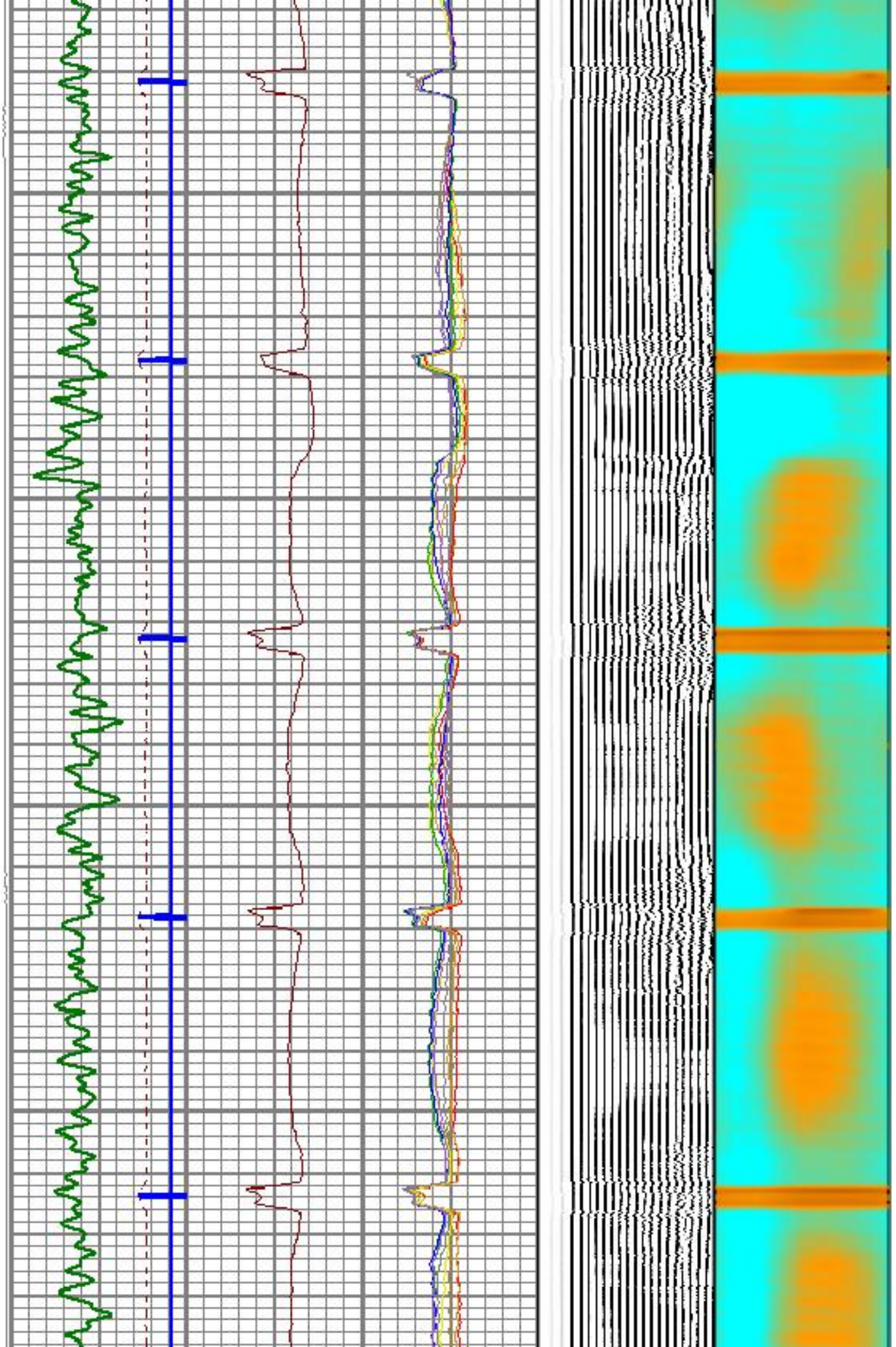
5300

5400



5500

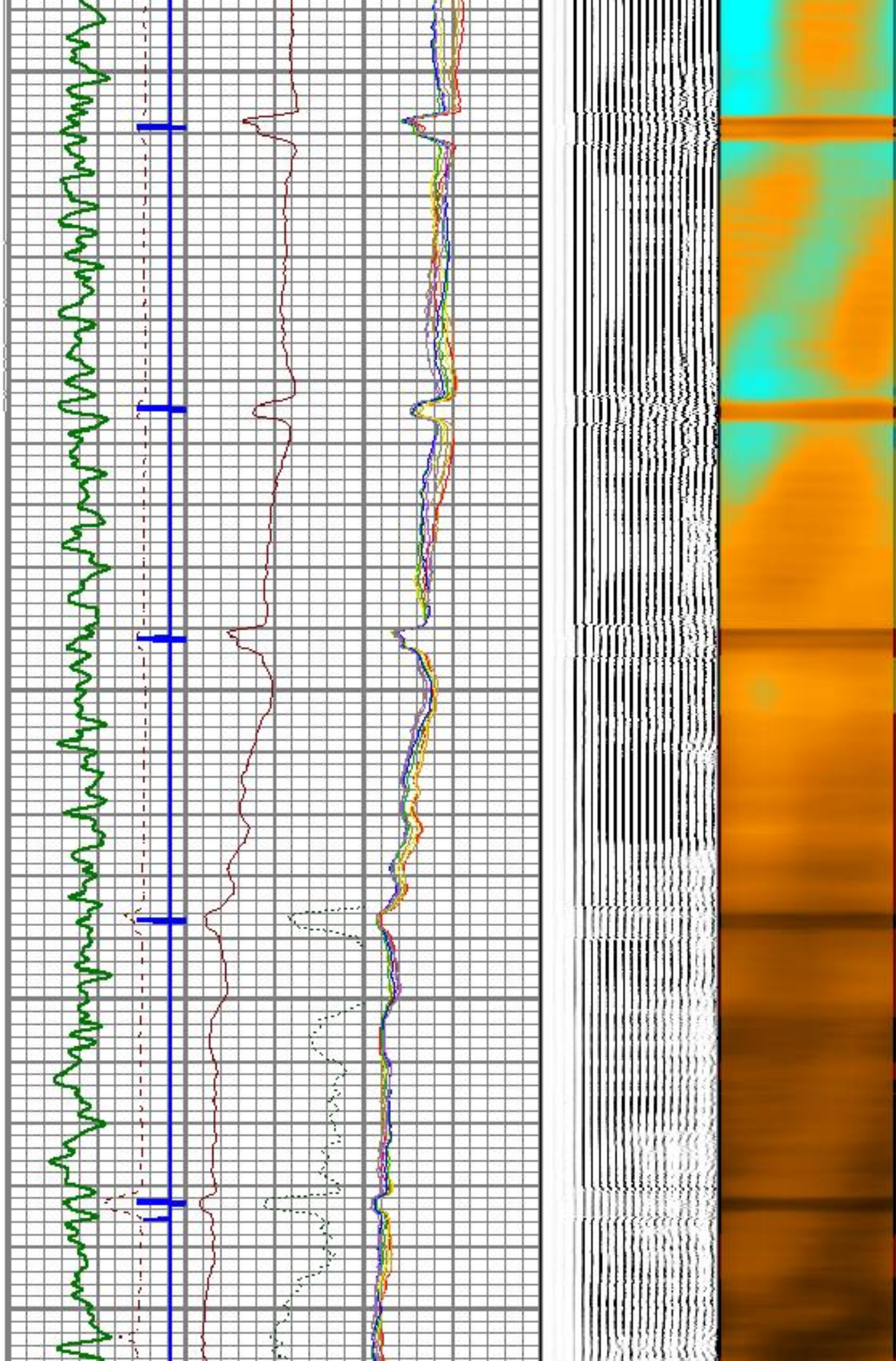
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5700

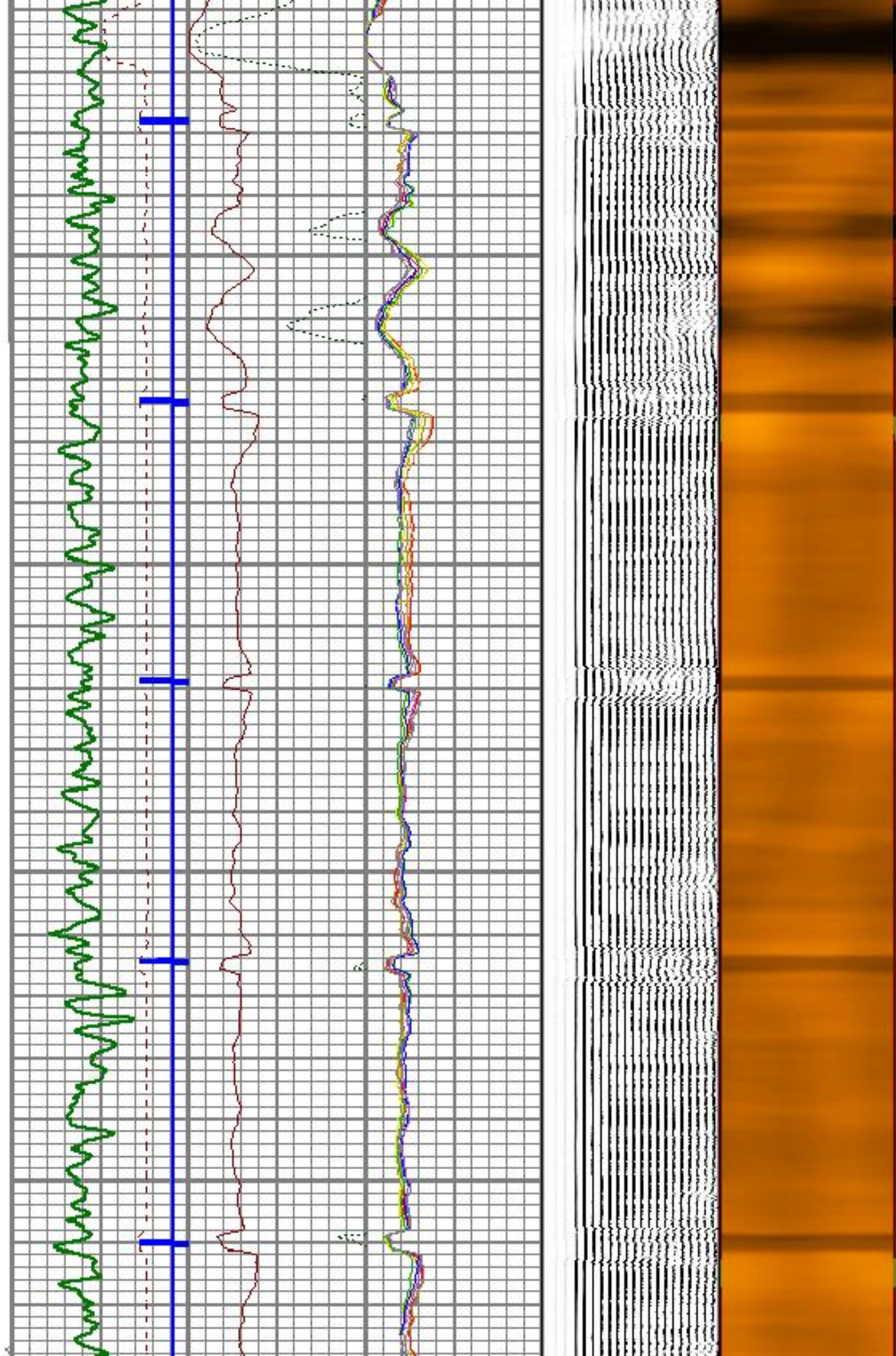
5800

5900



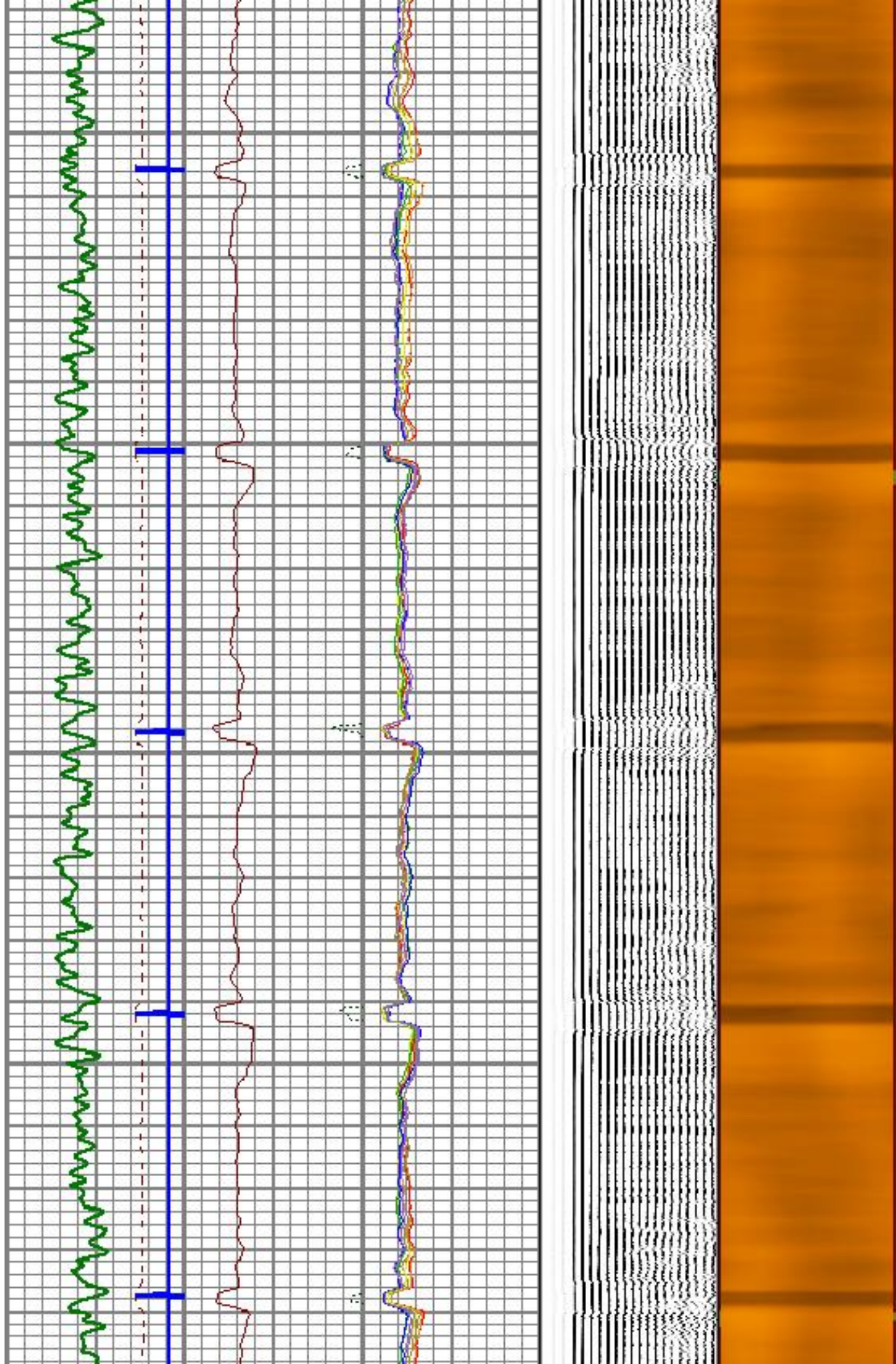
6000

6100



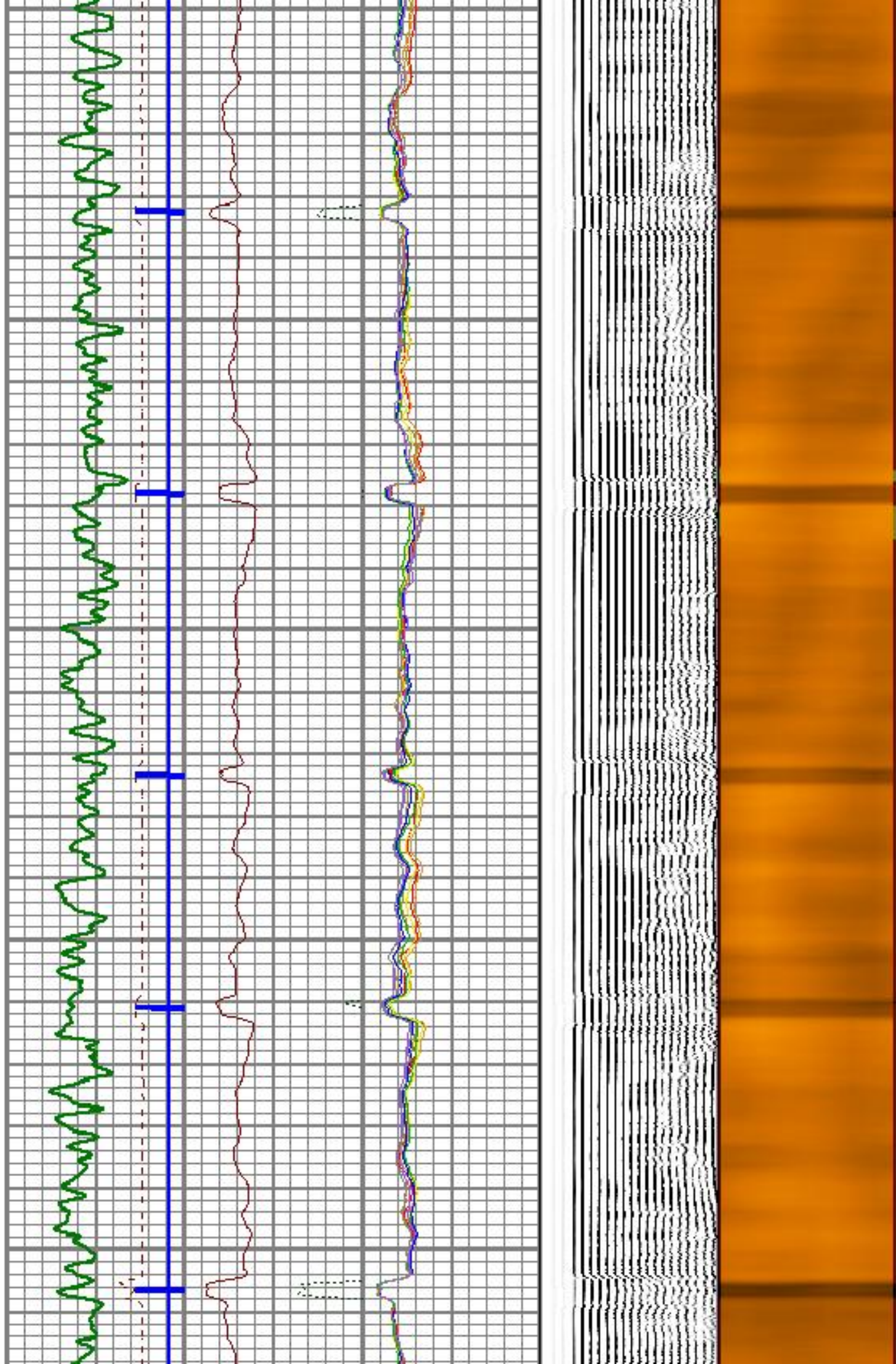
6200

6300



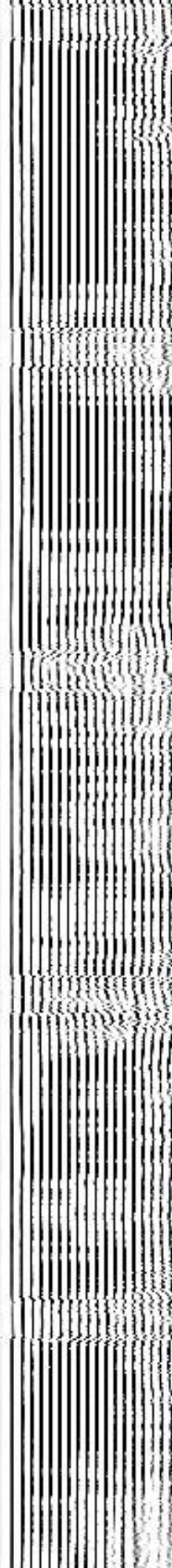
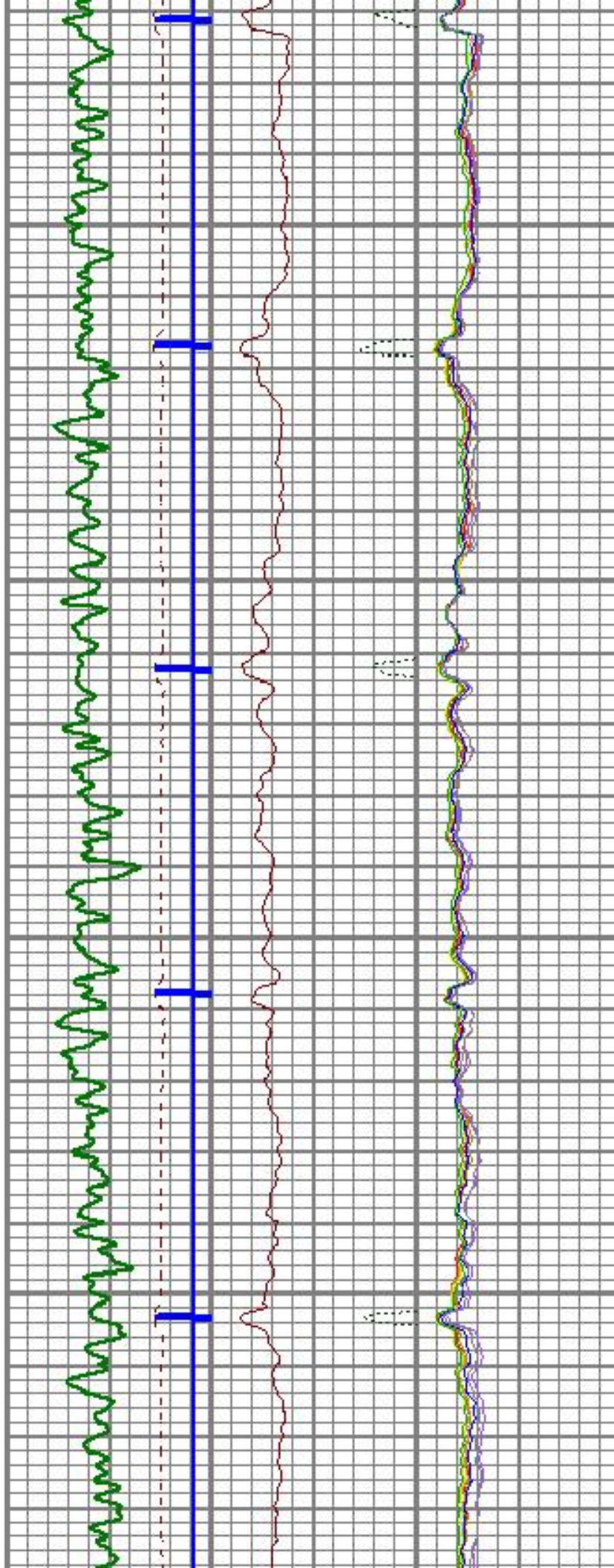
6400

6500



6600

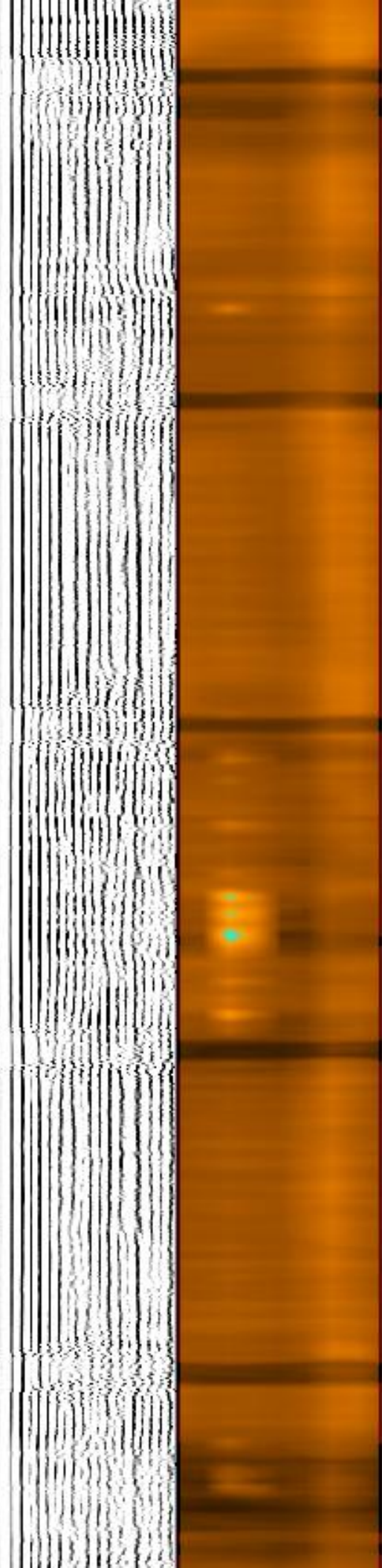
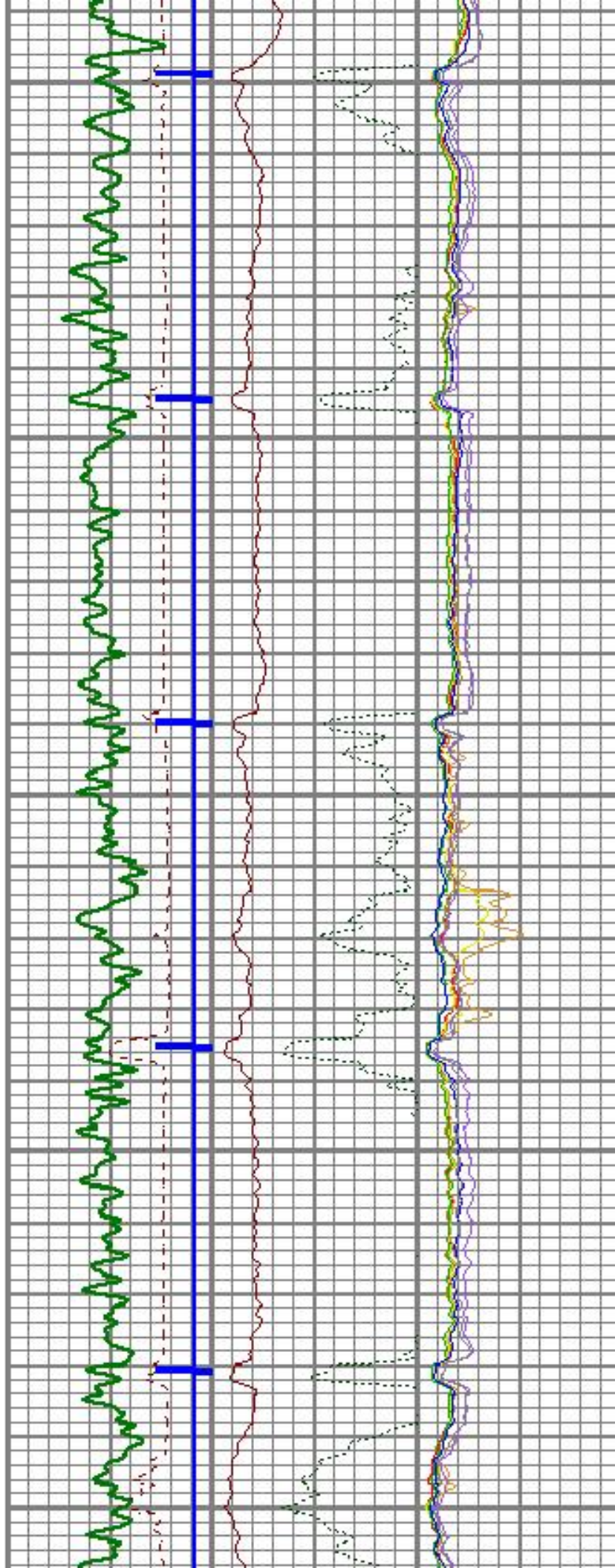
6700



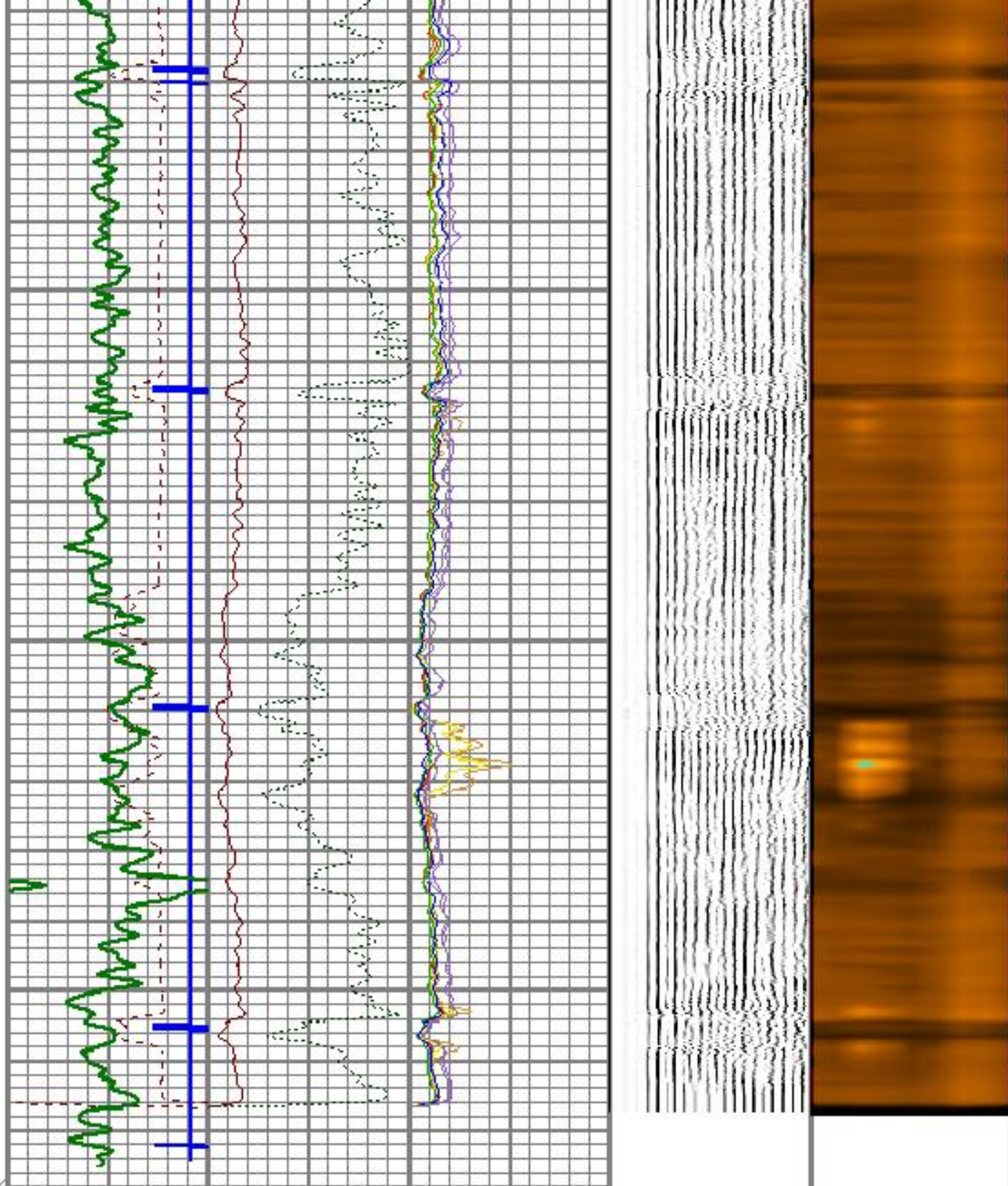
6800

6900

7000



7100



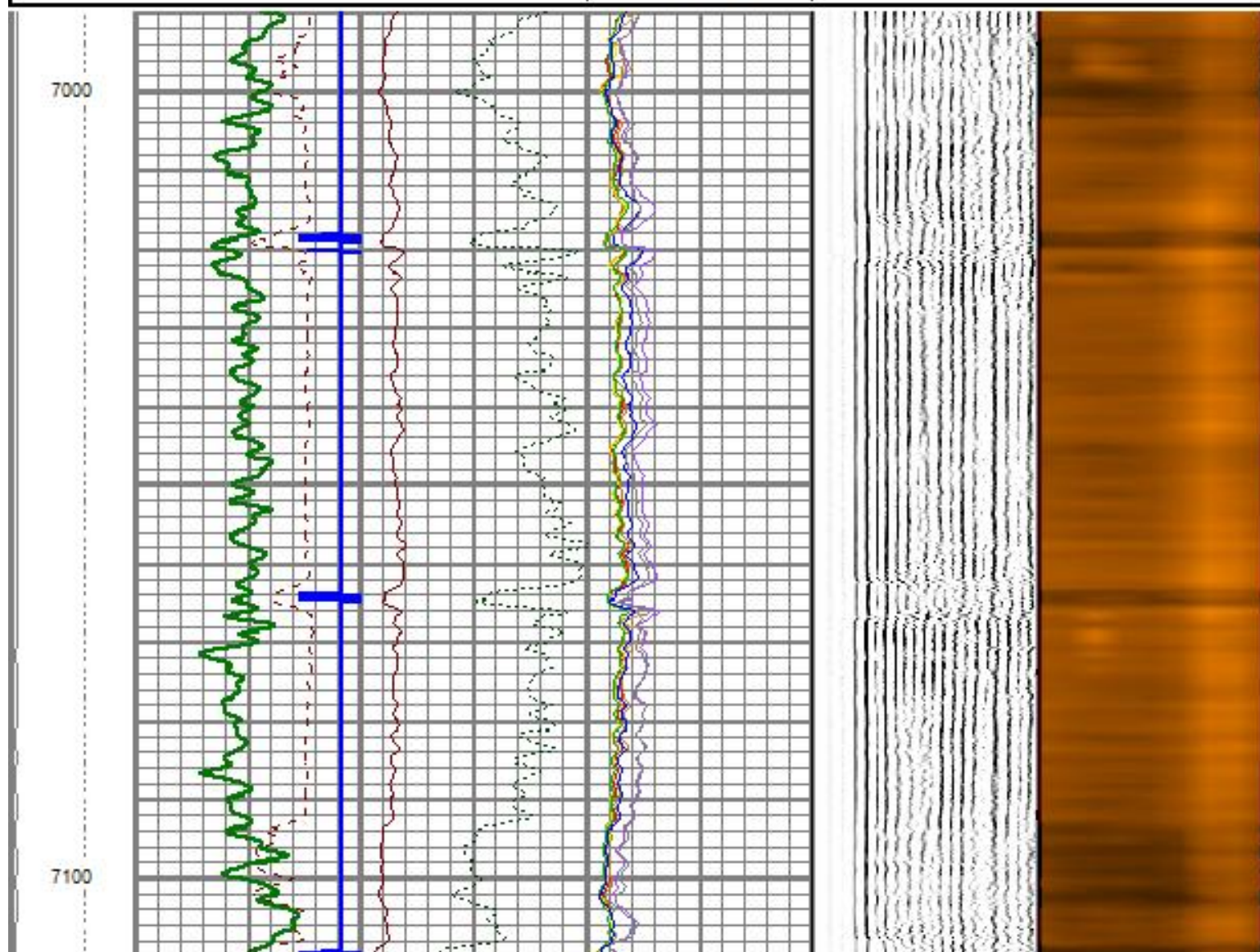
LTEN	3' Travel Time	0 3' Amplitude (mV) 100	0 AMPS1 150	5' Variable Density	1 SECTORS 8
0 (lb) 1000	400 (usec) 200	0 3' Amplified Amplitude	0 AMPS2 150	200 (usec) 1200	2
LSPD	Casing Collar Locator	0 (mV) 20	0 AMPS3 150	-400.0 (V) 400.4	
(ft/min)	Gamma Ray		0 AMPS4 150		
500 -500	(GAPI) 200		0 AMPS5 150		
			0 AMPS6 150		
			0 AMPS7 150		
			0 AMPS8 150		



REPEAT SECTION

Database File 90667_highpoint_grinde_robl.db
Dataset Pathname pass6
Presentation Format rbl_all_8_2020
Dataset Creation Sat Jan 11 10:49:52 2020
Charted by Depth in Feet scaled 1:240

LTEN	3' Travel Time	0 3' Amplitude (mV) 100	0 AMPS1 150	5' Variable Density	1 SECTORS 8
0 (lb) 1000	400 (usec) 200	3 'Amplified Amplitude	0 AMPS2 150	200 (usec) 1200	2
LSPD	Casing Collar Locator	0 (mV) 20	0 AMPS3 150	-400.0 (V) 400.4	
(ft/min)	Gamma Ray		0 AMPS4 150		
500 -500	0 (GAPI) 200		0 AMPS5 150		
			0 AMPS6 150		
			0 AMPS7 150		
			0 AMPS8 150		



LTEN	3' Travel Time	0 3' Amplitude (mV) 100	0 AMPS1 150	5' Variable Density	1 SECTORS 8
0 (lb) 1000	400 (usec) 200	3 'Amplified Amplitude	0 AMPS2 150	200 (usec) 1200	2
LSPD	Casing Collar Locator	0 (mV) 20	0 AMPS3 150	-400.0 (V) 400.4	
(ft/min)	Gamma Ray		0 AMPS4 150		
500 -500	0 (GAPI) 200		0 AMPS5 150		

0	AMPS8	150
0	AMPS7	150
0	AMPS8	150