

Company HIGHPOINT RESOURCES	
Well	GRINDE 01-64-05-4956C
Field	WATTENBERG
County	WELD State COLORADO
Location:	API #: 05-123-50641-00
SHL: 1550' FSL 335' FWL NWSW	
SEC 5	TWP 1N RGE 64W
Permanent Datum	GL Elevation 5030'
Log Measured From	GL
Drilling Measured From	KB 16.5'
	Other Service
	NONE
	Elevation
	K.B. 5046.5'
	D.F. 5046.5'
	G.L. 5030'

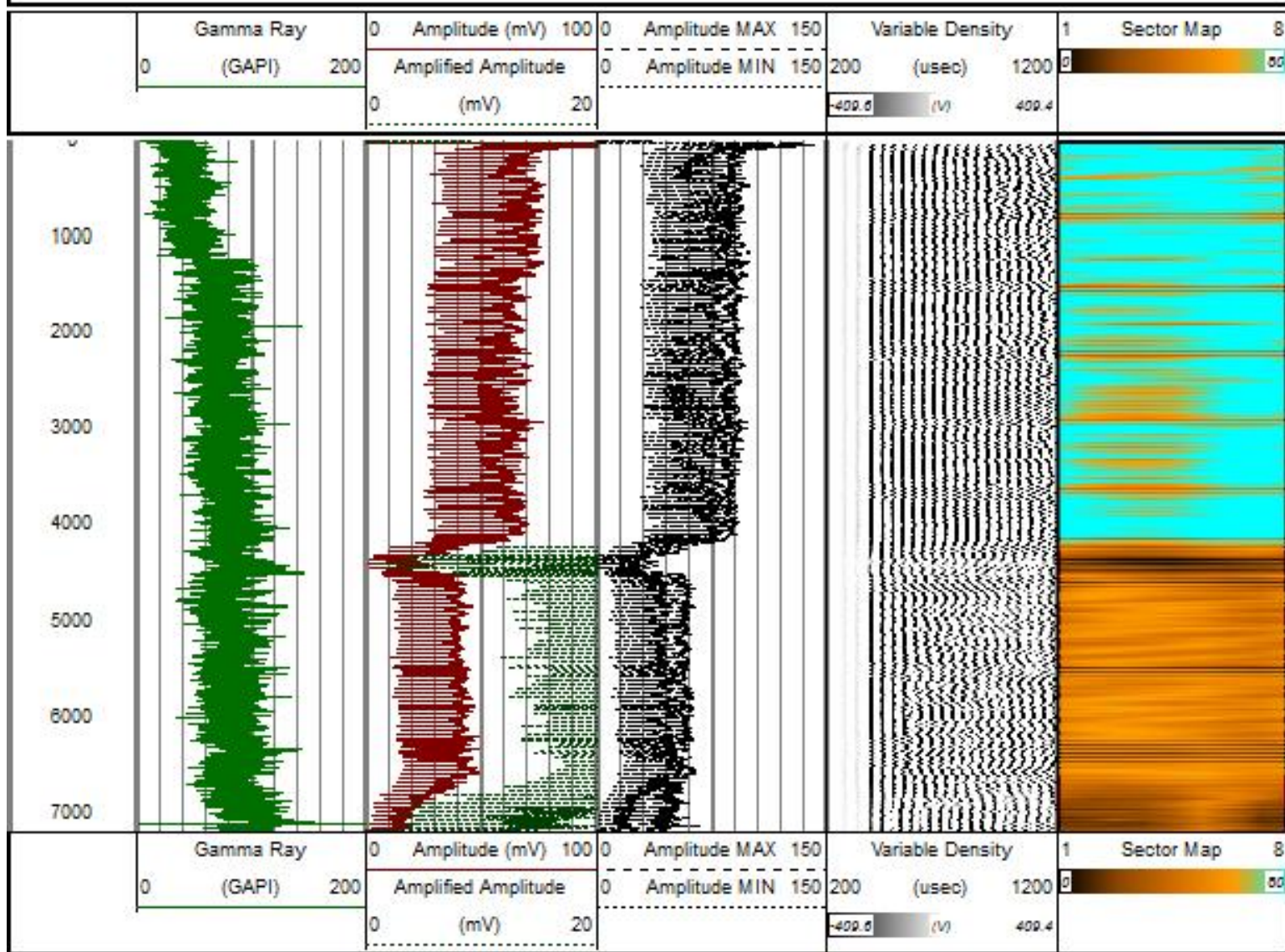
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on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

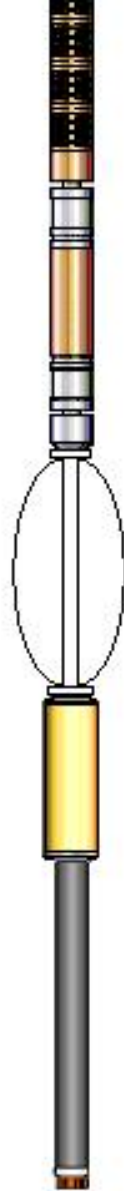
Comments



Database File 90670_highpoint_grinde_robl.db
 Dataset Pathname QUICK_LOOK
 Presentation Format rbl_1inch_2020
 Dataset Creation Sat Jan 11 16:35:17 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-tekco	2.73	2.75	50.00
CCL	4.33		CCL-tekco (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: 90670_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	90670_highpoint_grinde_rcbl.db	
Dataset Pathname	main	
Dataset Creation	Sat Jan 11 16:32:55 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'	0.079	0.681	1.000	81.198	137.811	-9.902
CAL	1.017	1.016				
5'	0.043	0.603	1.000	81.198	143.150	-5.159
SUM						
S1	0.110	0.749	0.000	100.000	156.288	-17.129
S2	0.100	0.692	0.000	100.000	168.832	-16.833
S3	0.084	0.644	0.000	100.000	178.355	-14.949
S4	0.075	0.626	0.000	100.000	181.491	-13.536
S5	0.073	0.625	0.000	100.000	181.122	-13.269
S6	0.069	0.661	0.000	100.000	169.050	-11.735
S7	0.080	0.731	0.000	100.000	153.615	-12.220
S8	0.107	0.785	0.000	100.000	147.507	-15.806

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

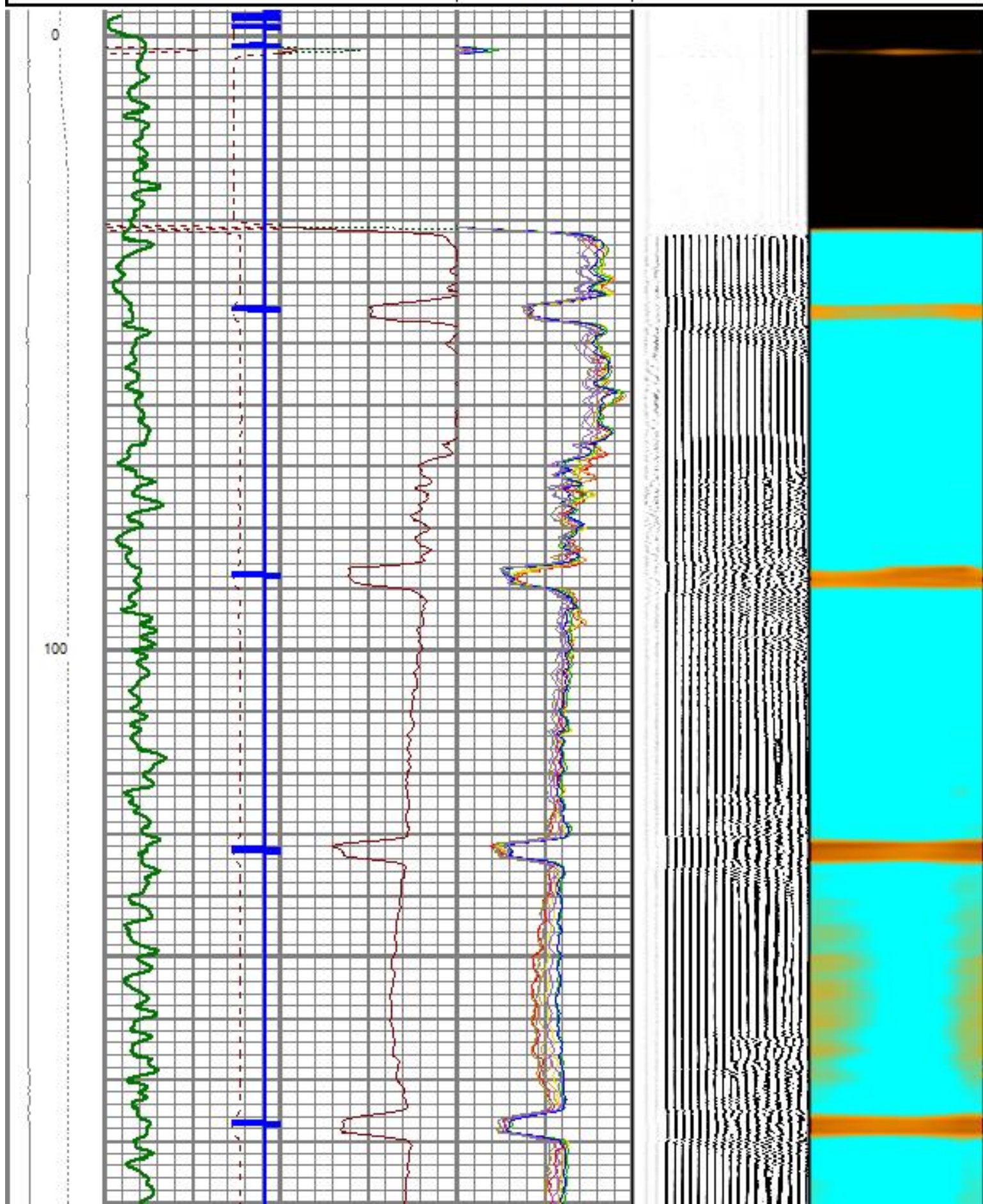
0 PSI ON WELL WHILE LOGGING

Database File 90670_highpoint_grinde_robl.db
Dataset Pathname main
Presentation Format rbl_all_8_2020
Dataset Creation Sat Jan 11 16:32:55 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

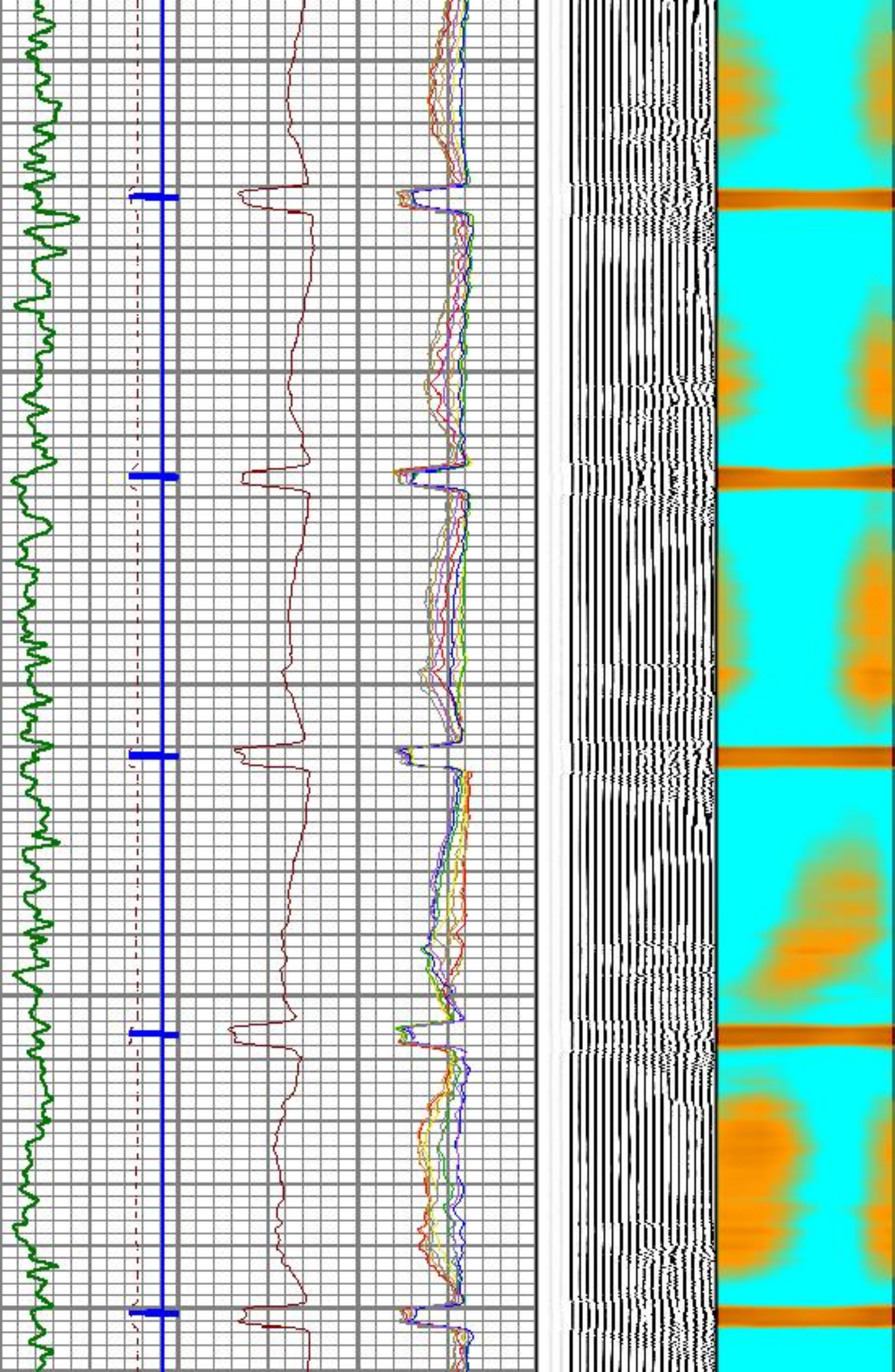
0	AMPS4	150
0	AMPS5	150
0	AMPS6	150
0	AMPS7	150
0	AMPS8	150



200

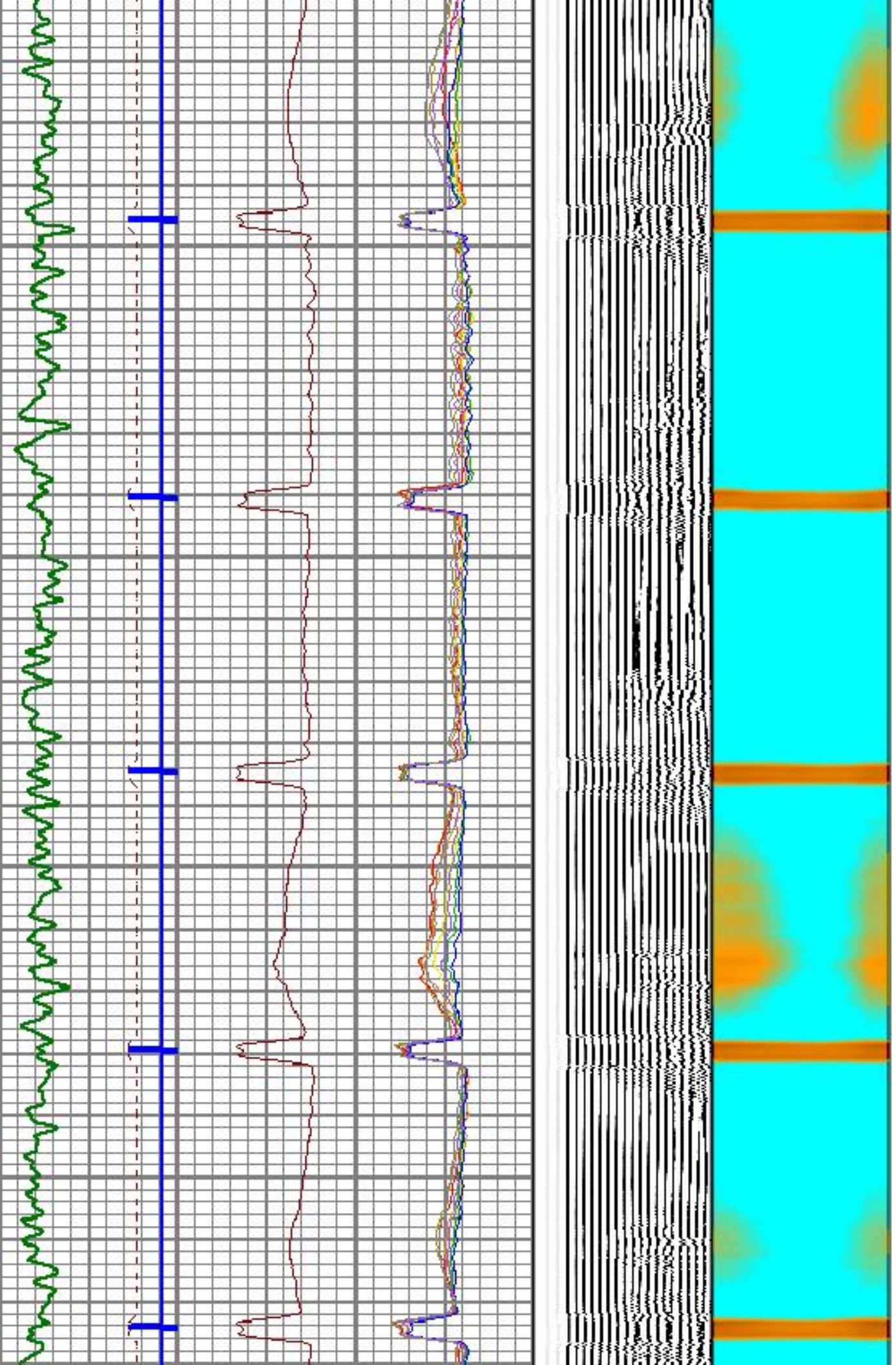
300

400



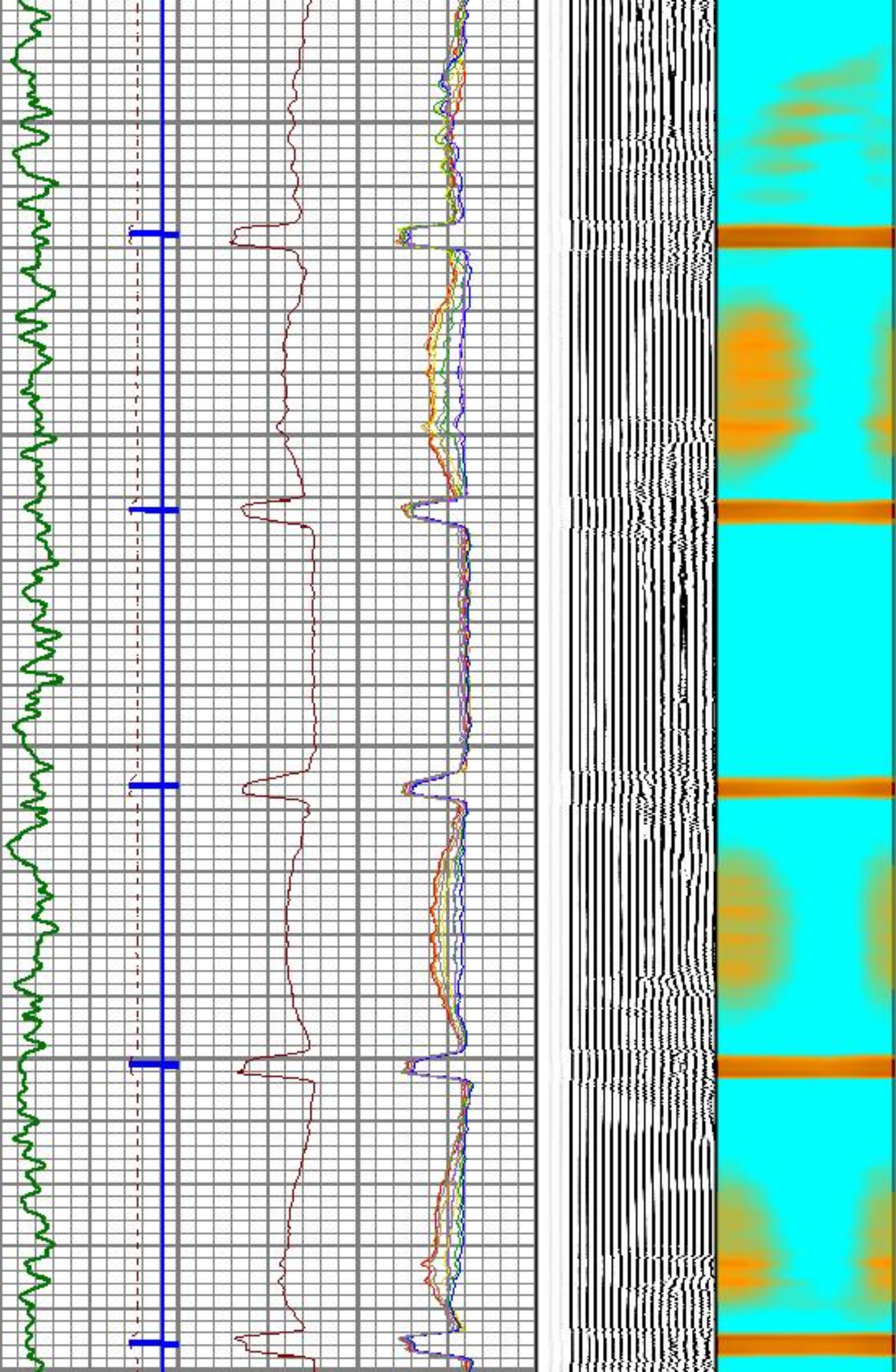
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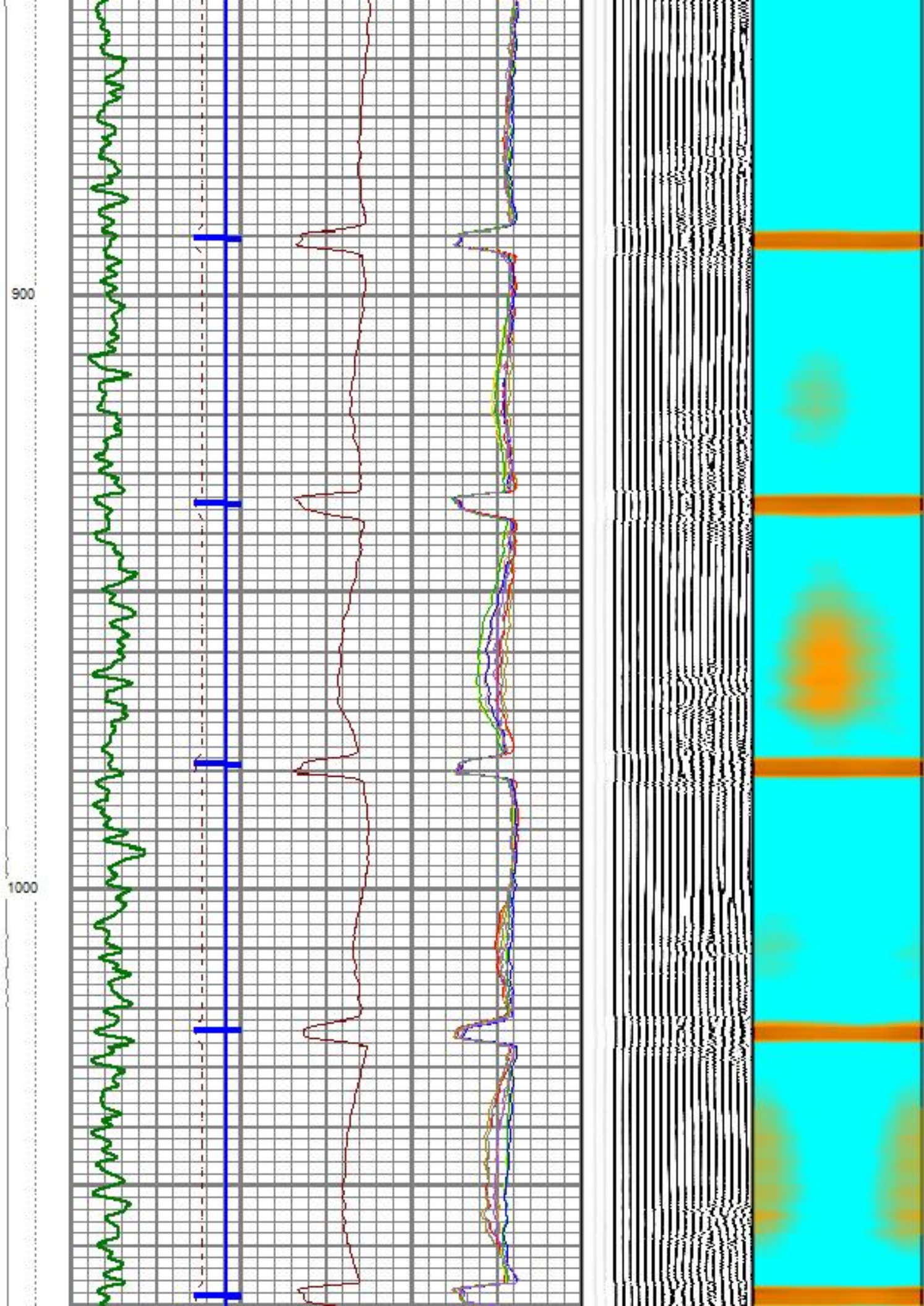
600



700

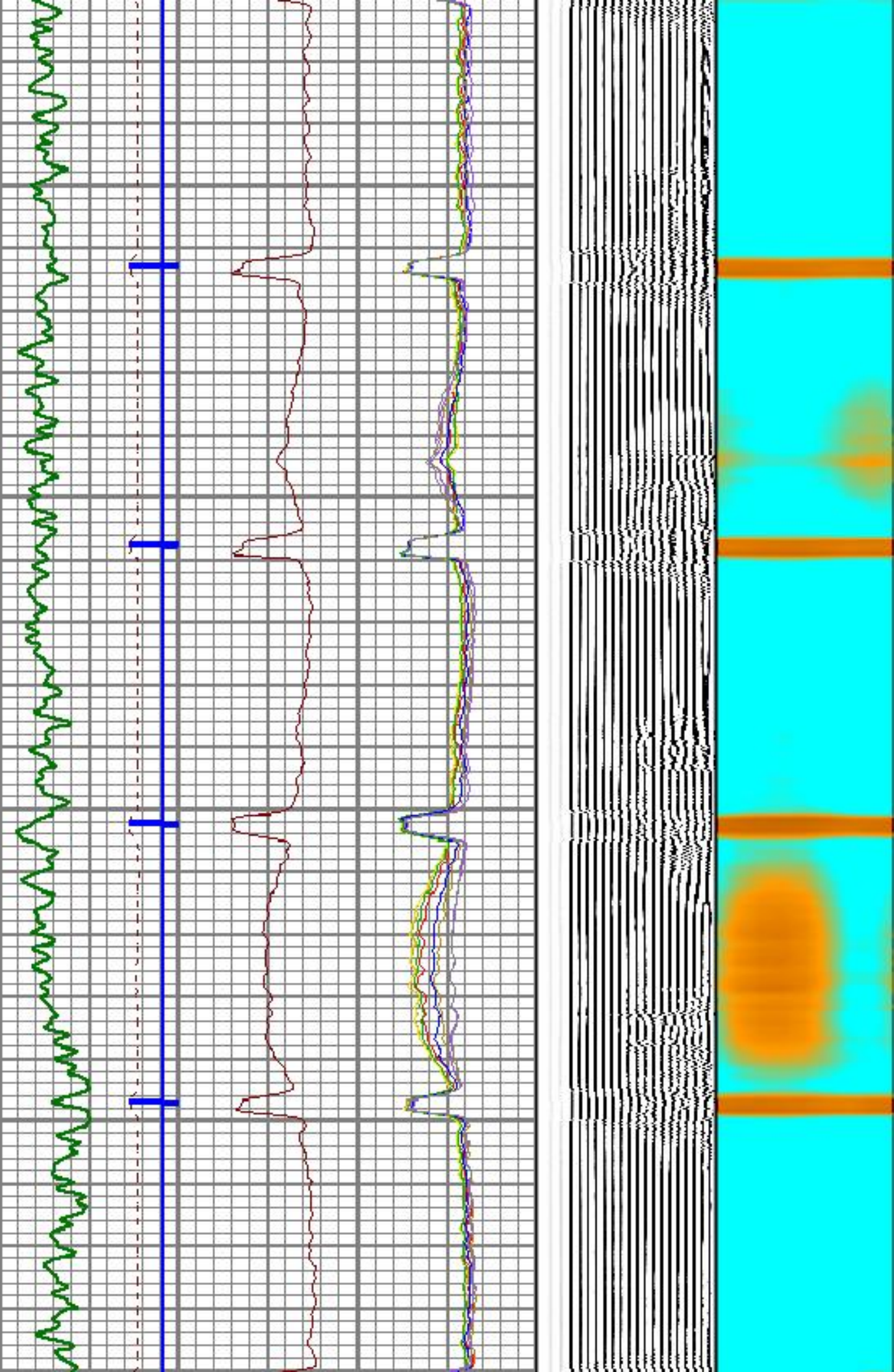
800





1100

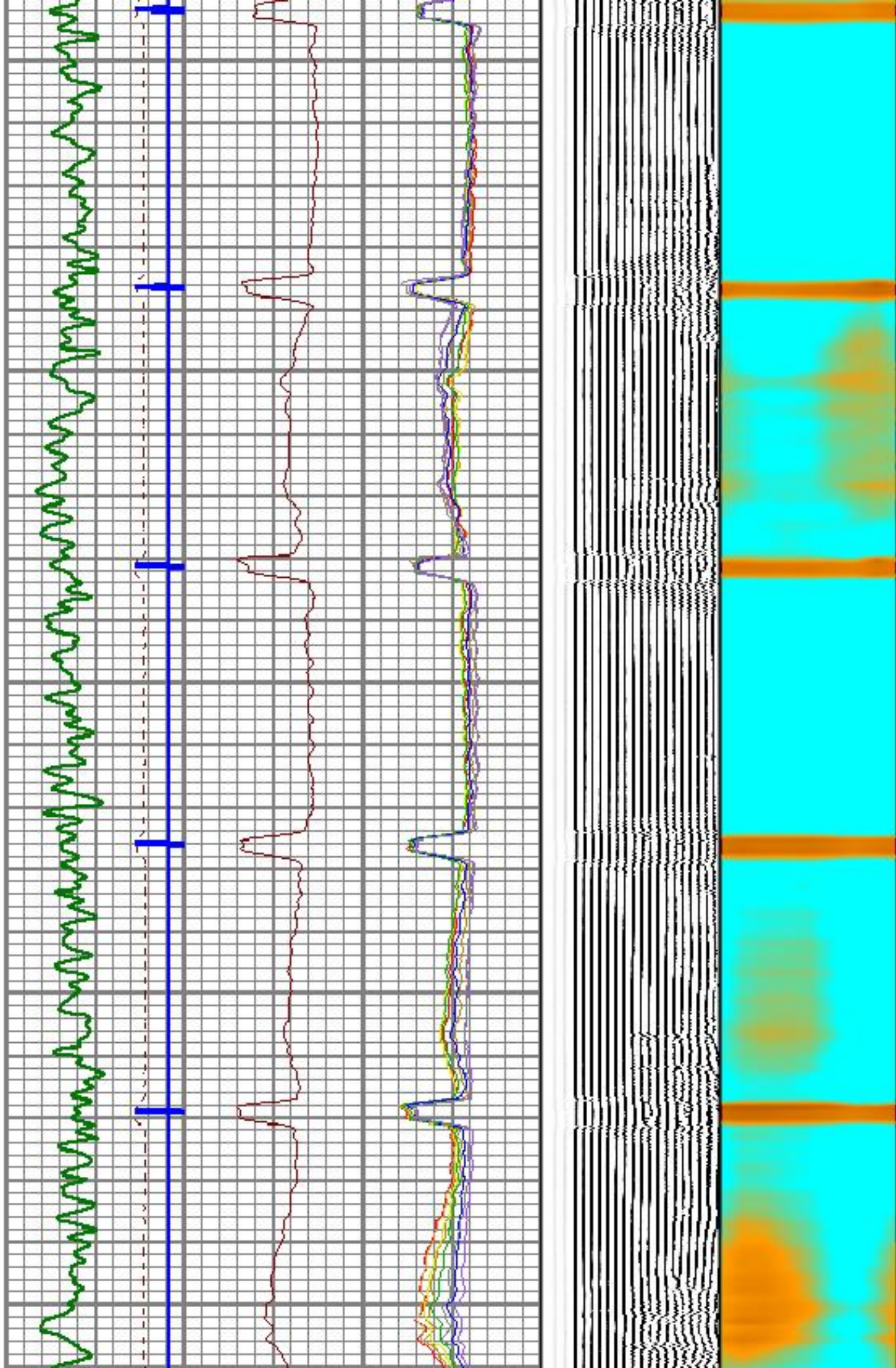
1200



1300

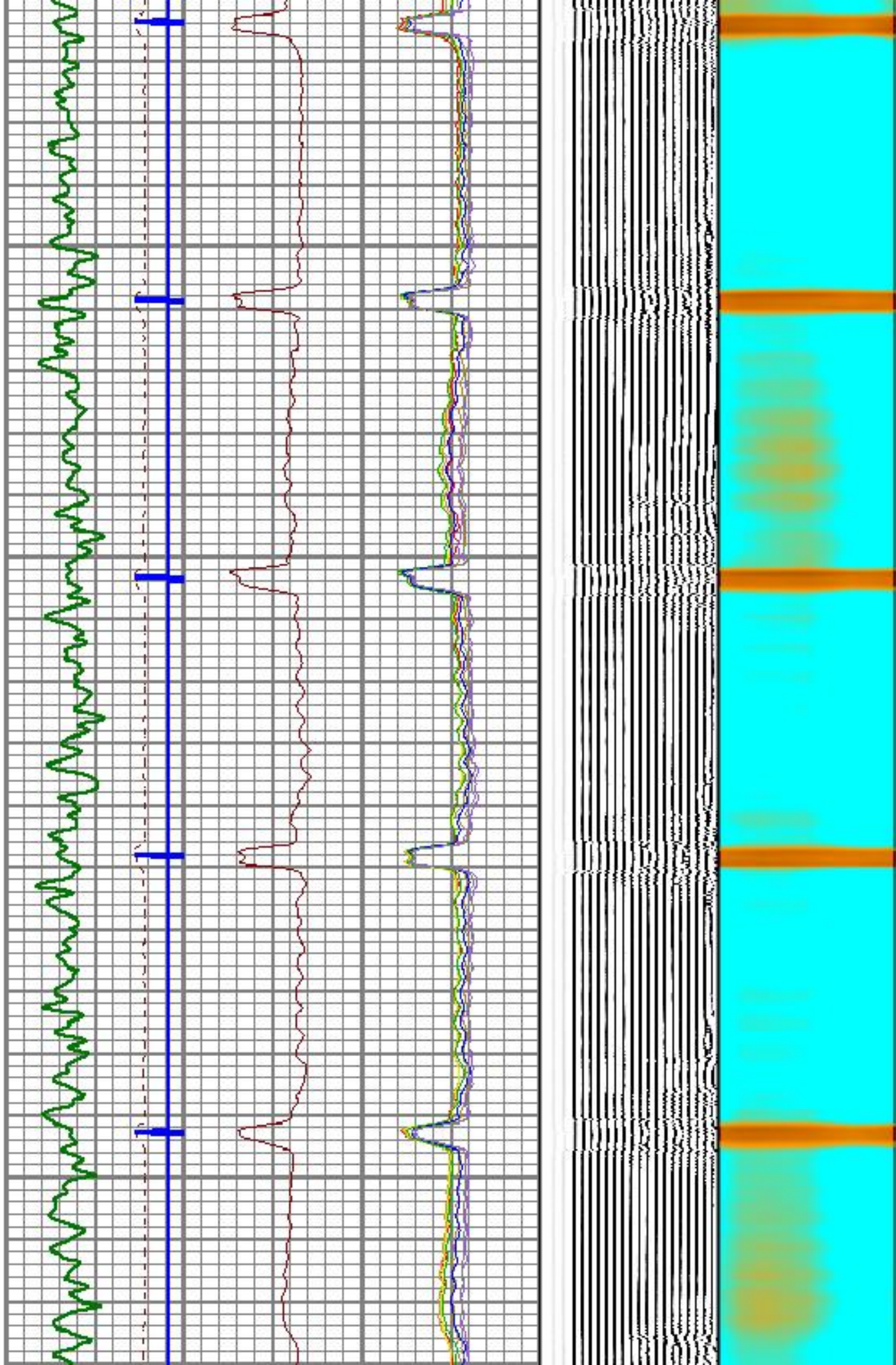
1400

1500



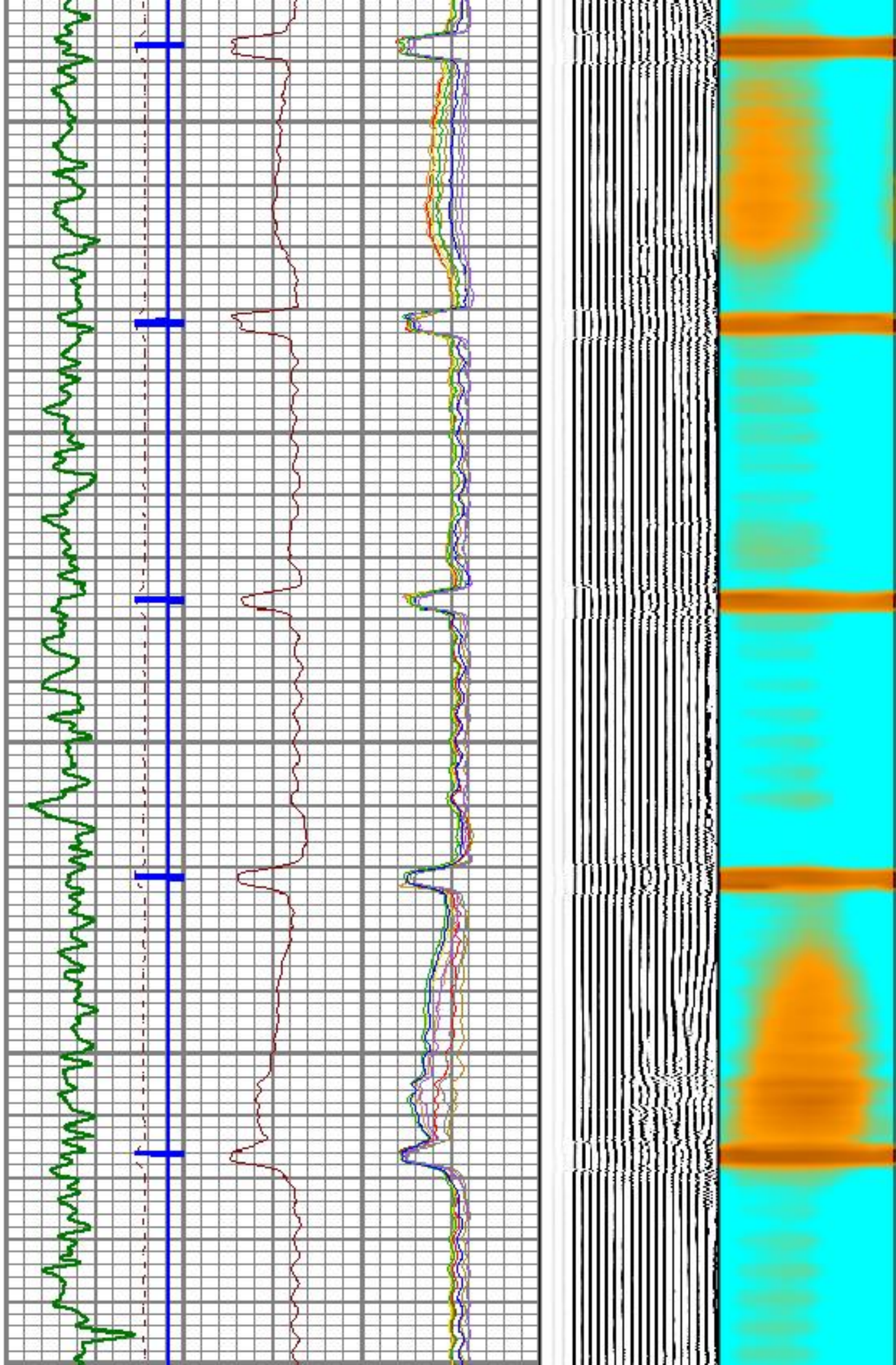
1600

1700



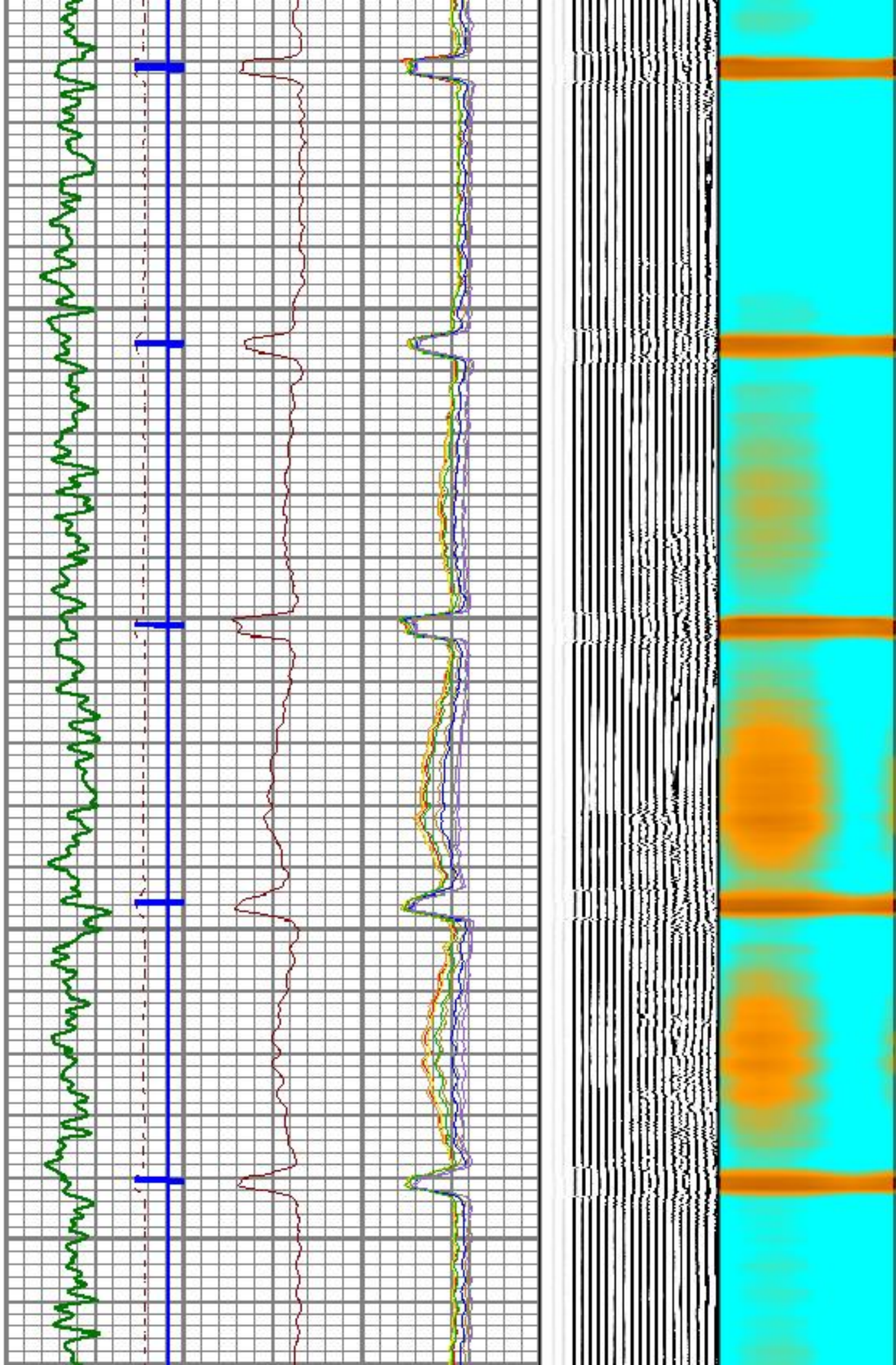
1800

1900



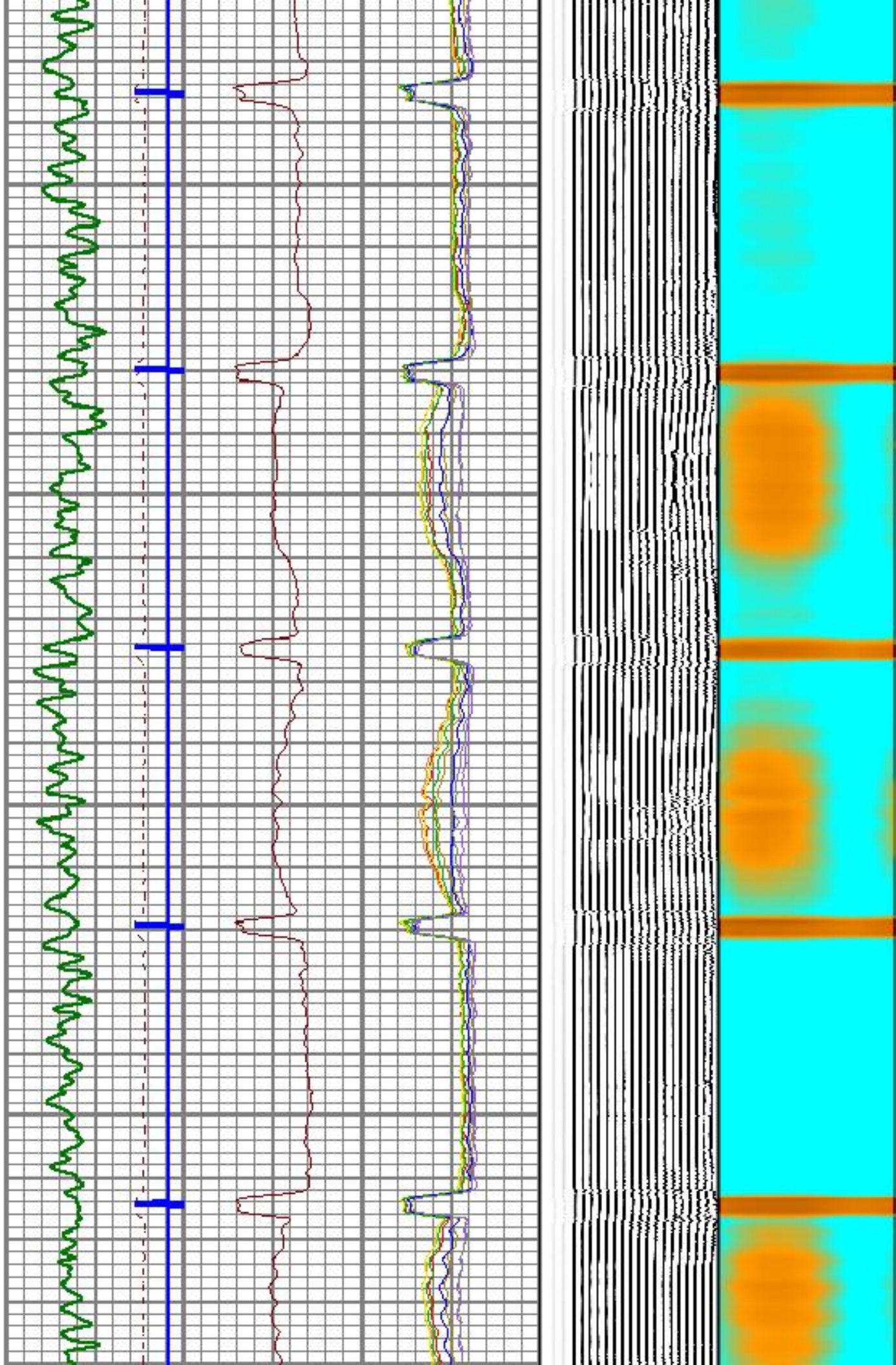
2000

2100



2200

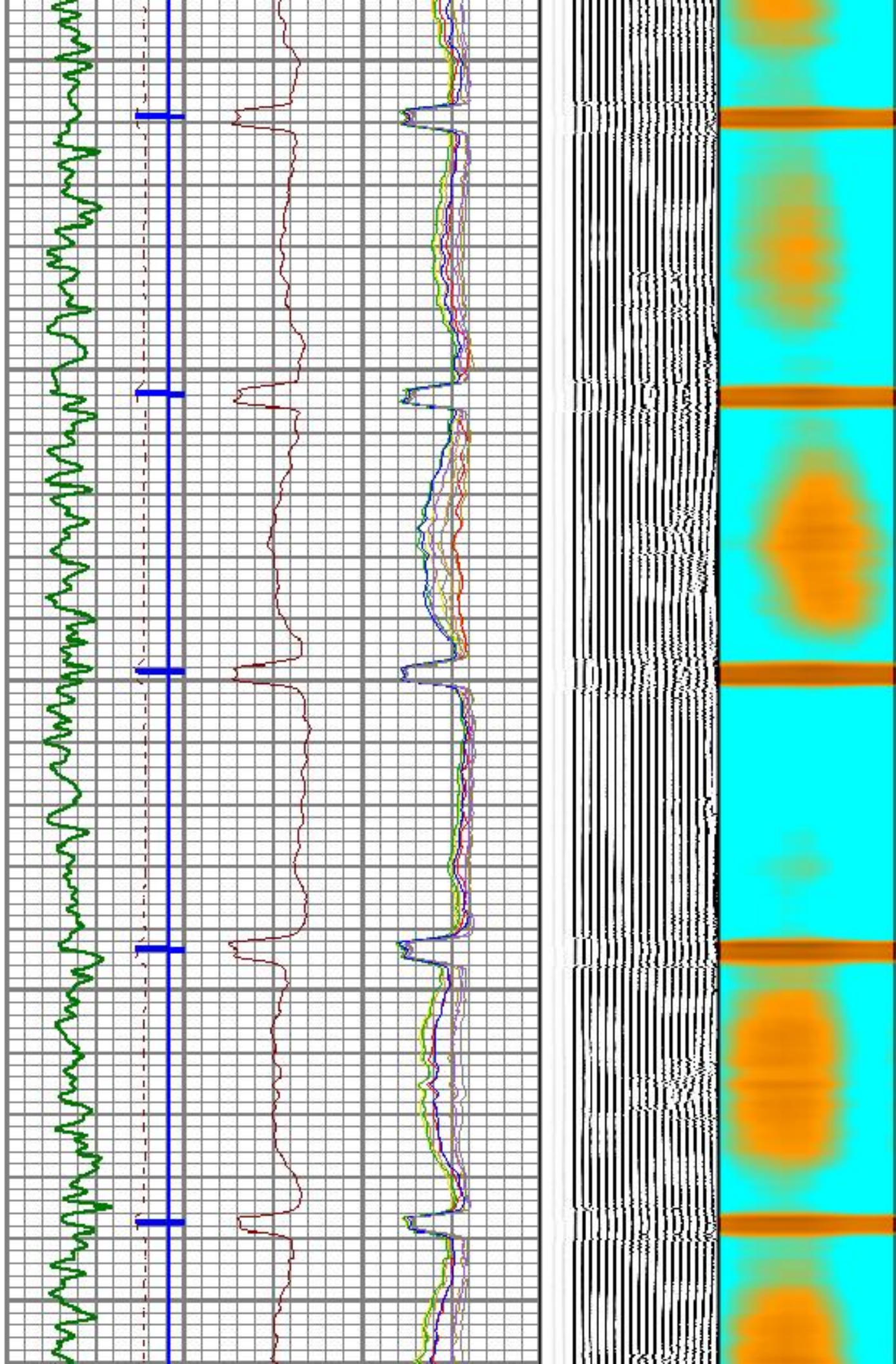
2300



2400

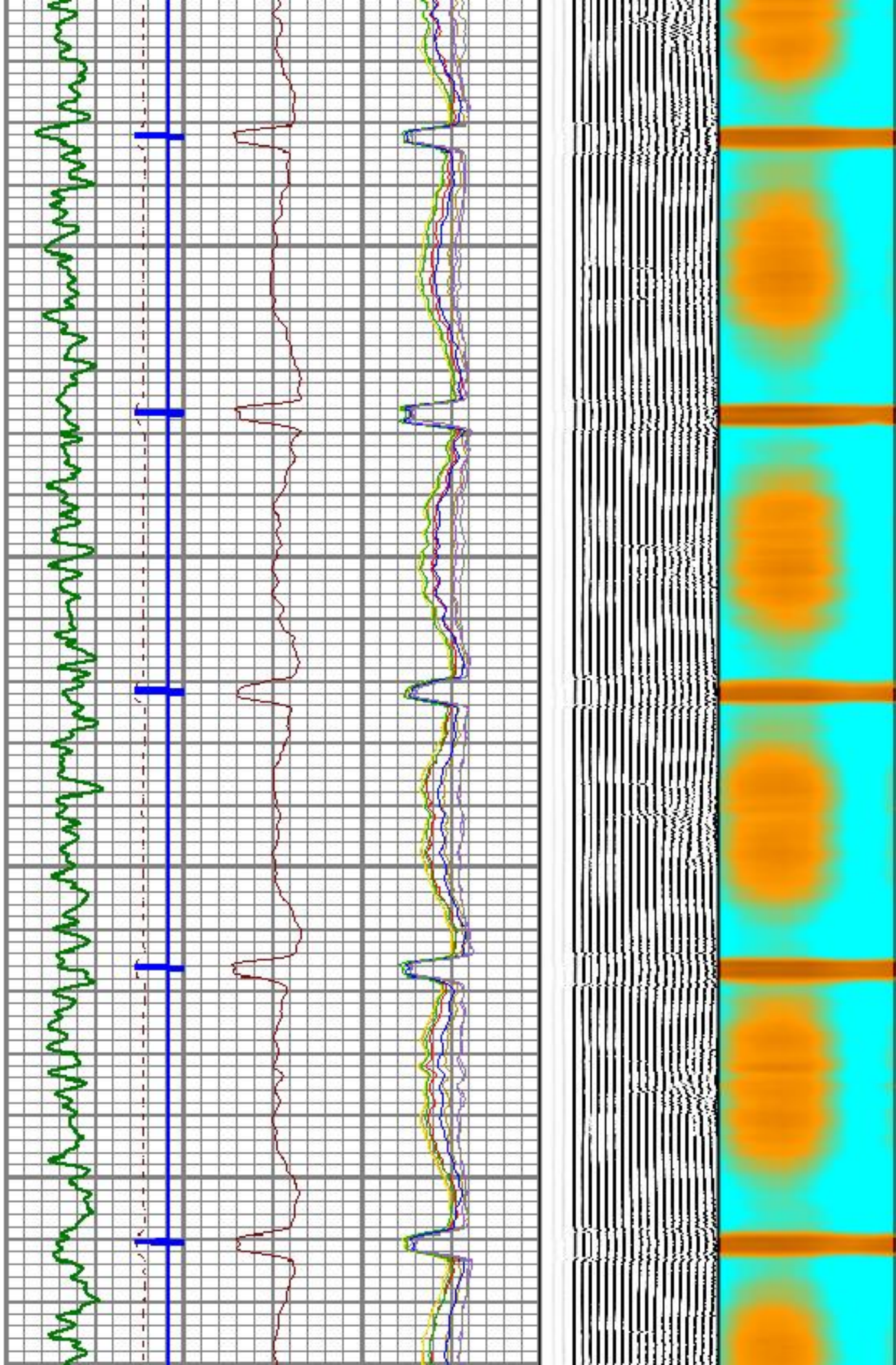
2500

2600



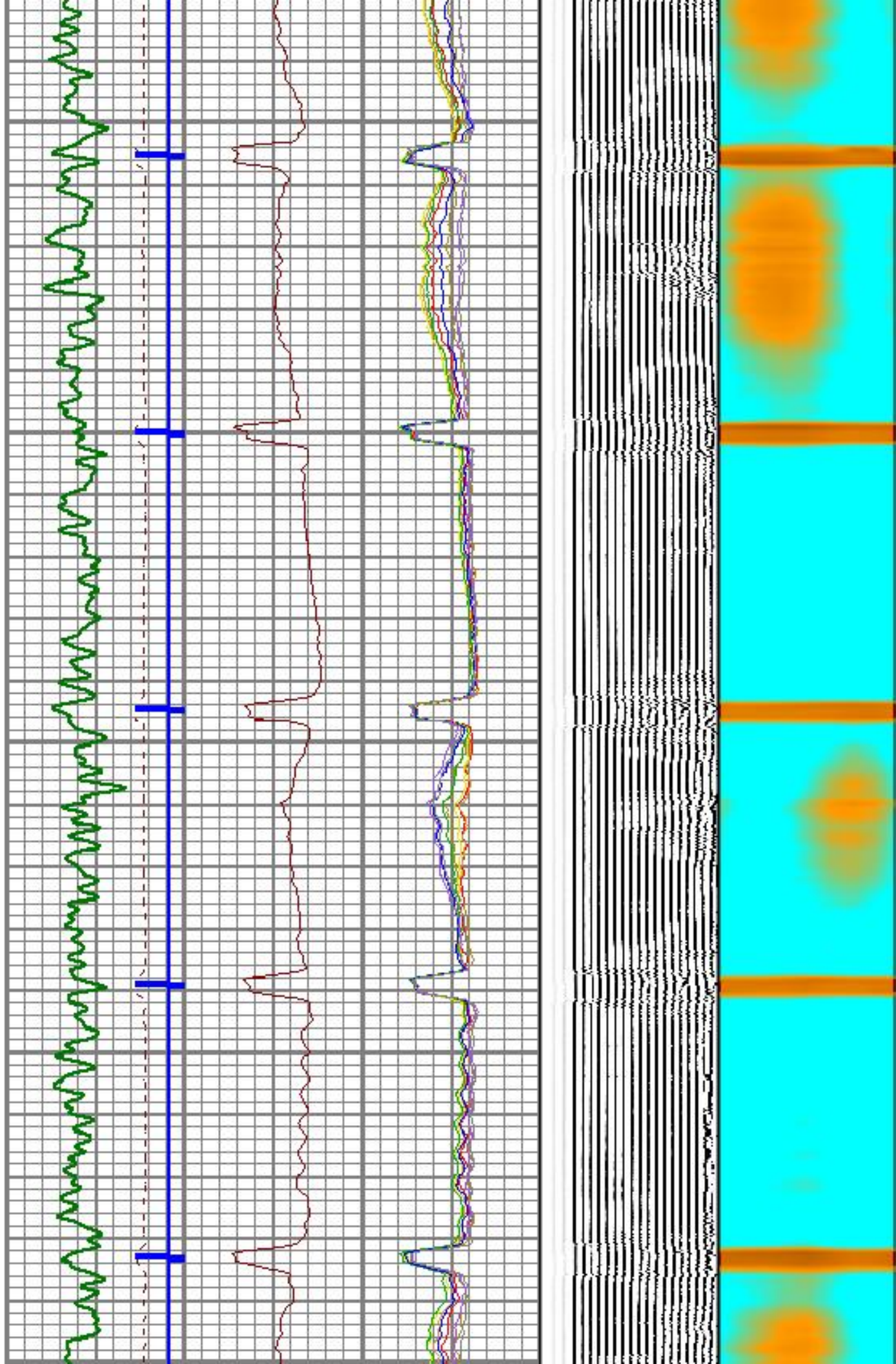
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2800



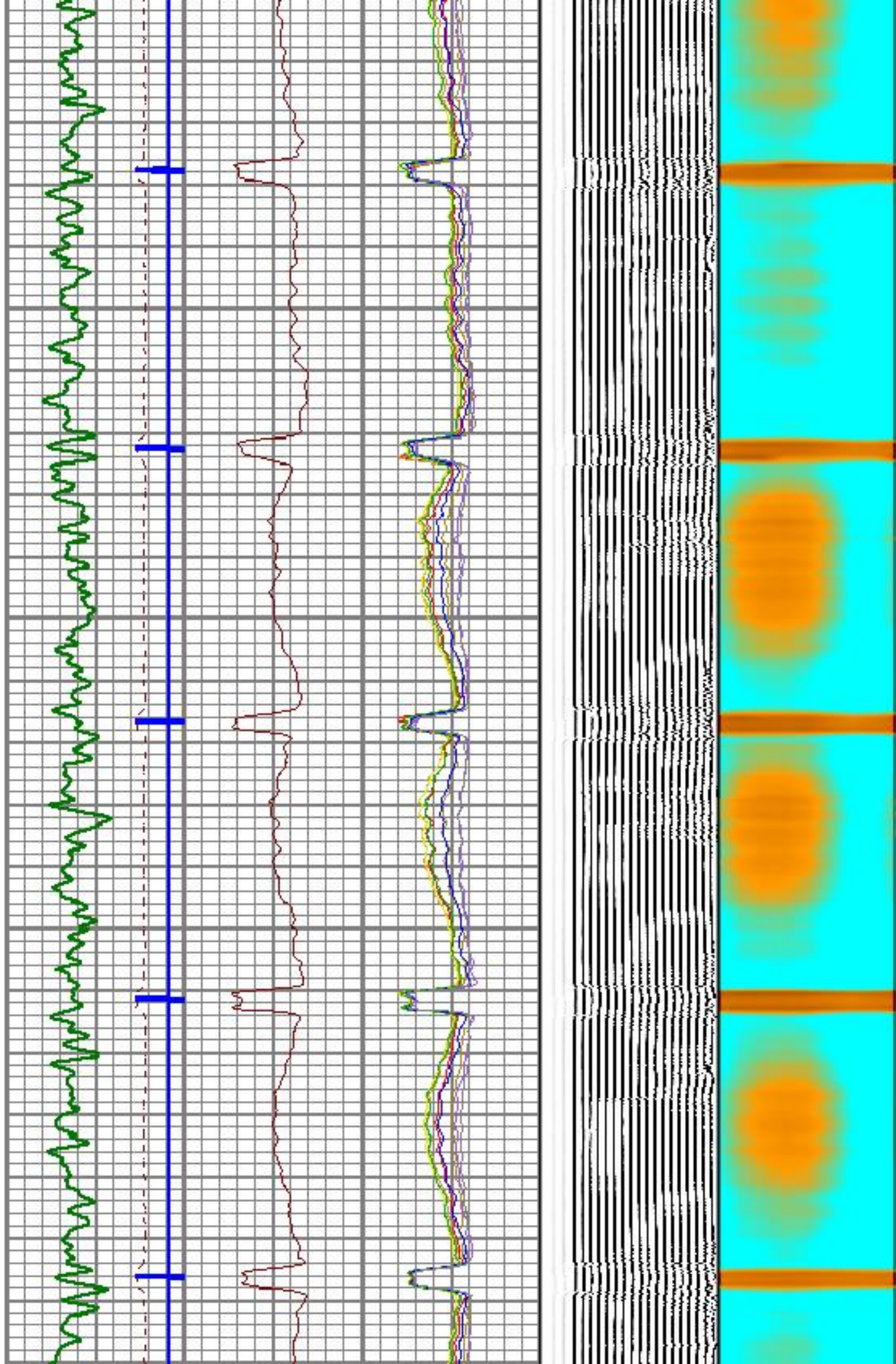
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3000



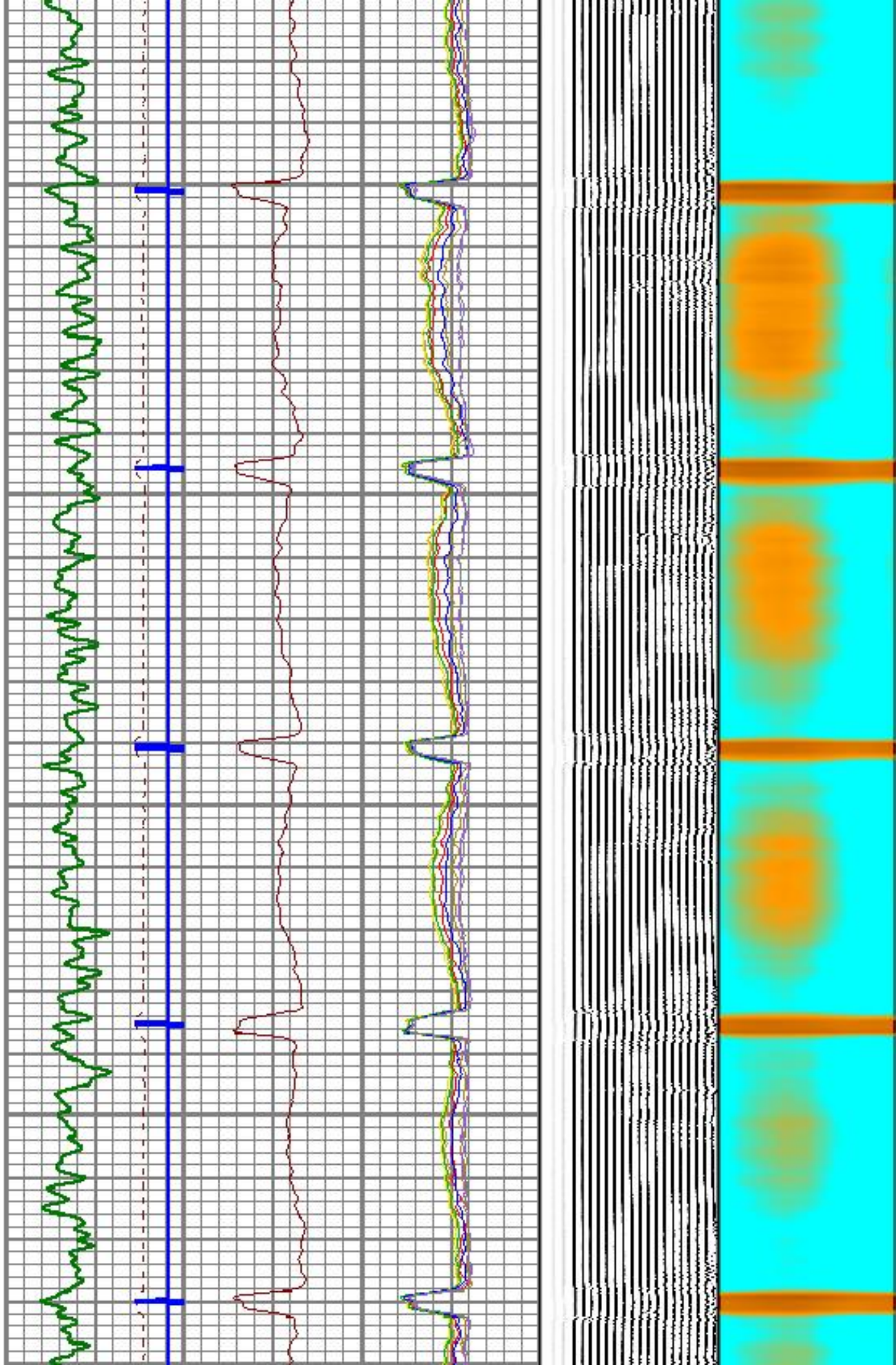
3100

3200



3300

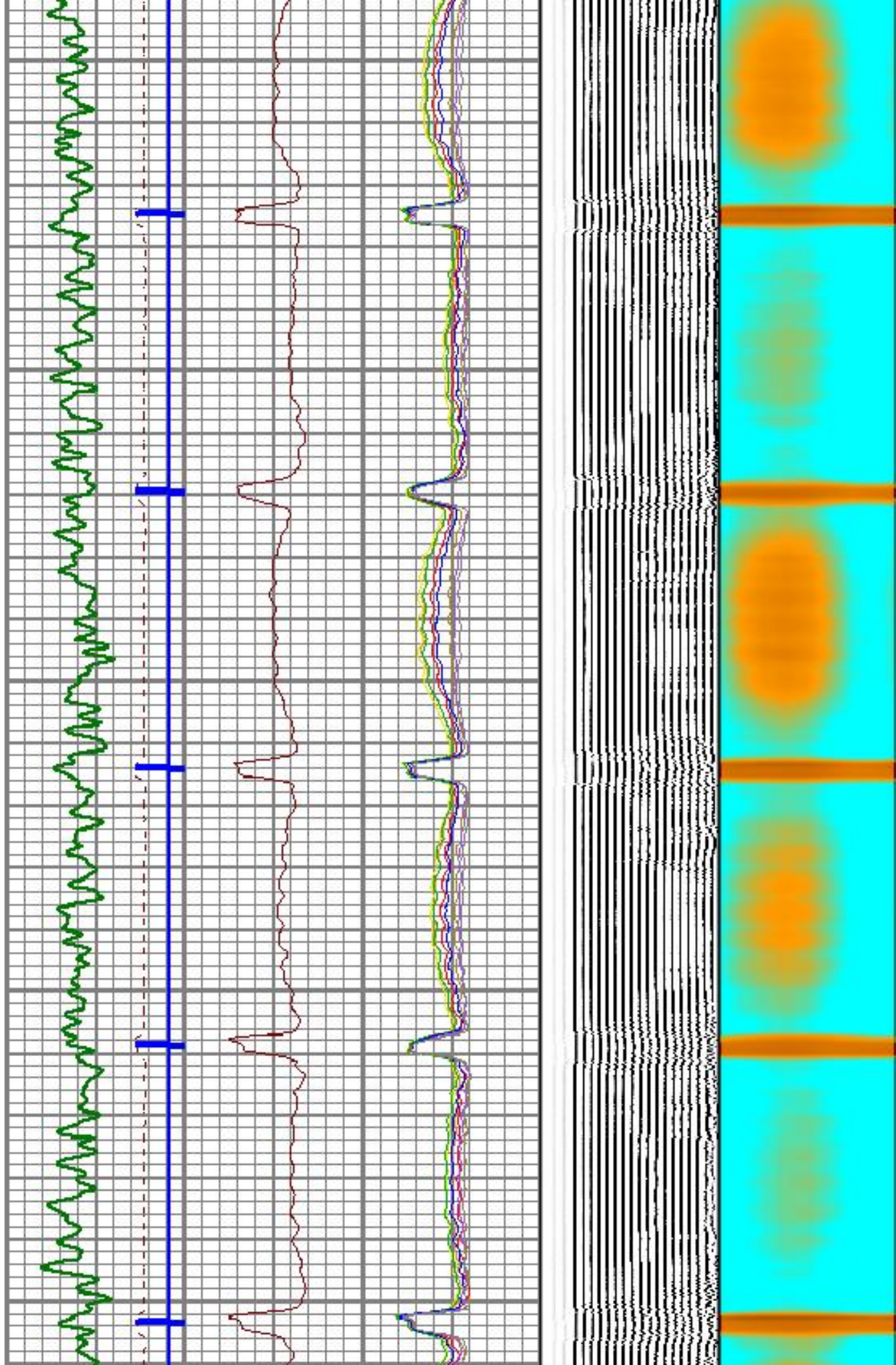
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3500

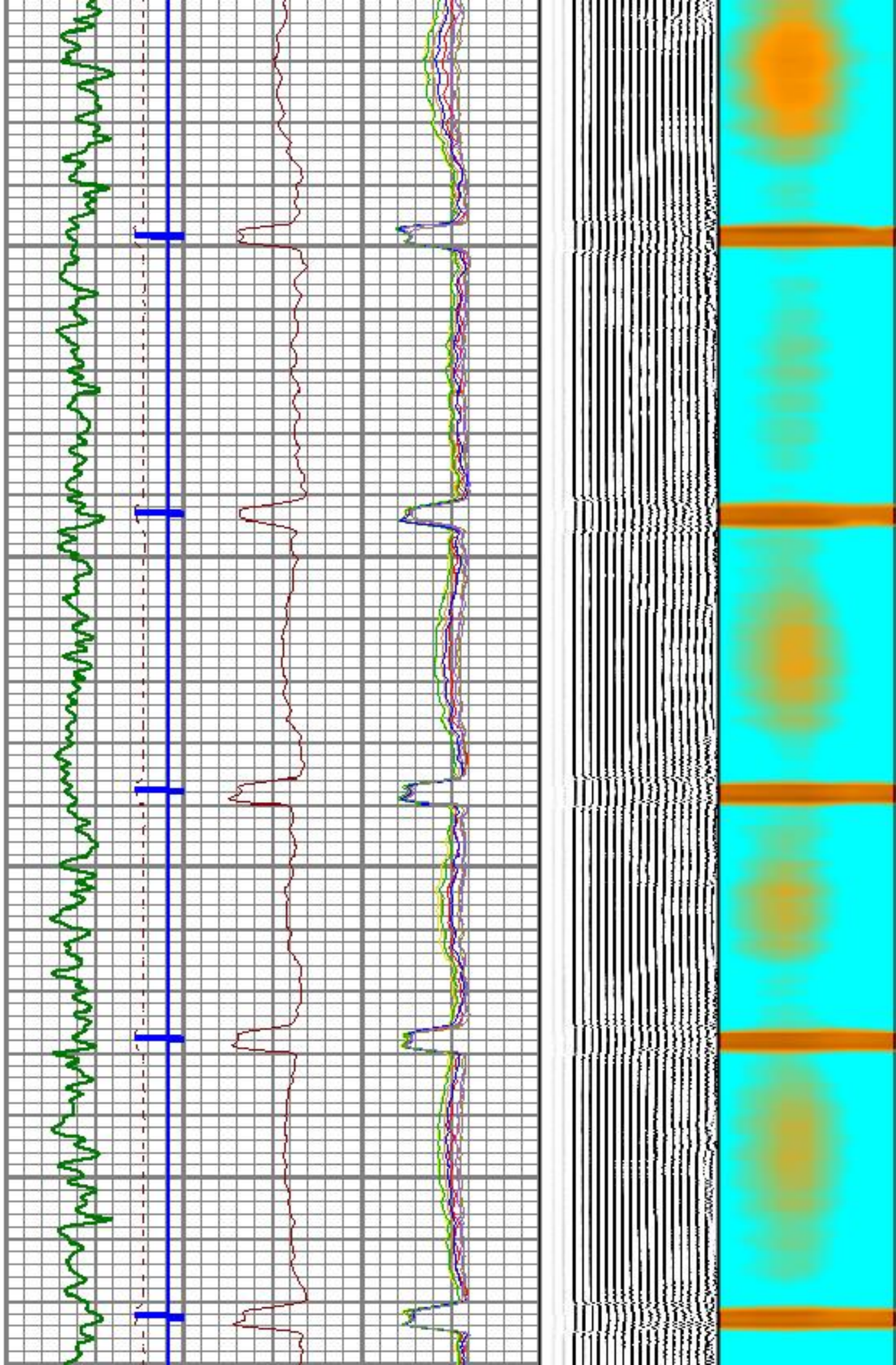
3600

3700



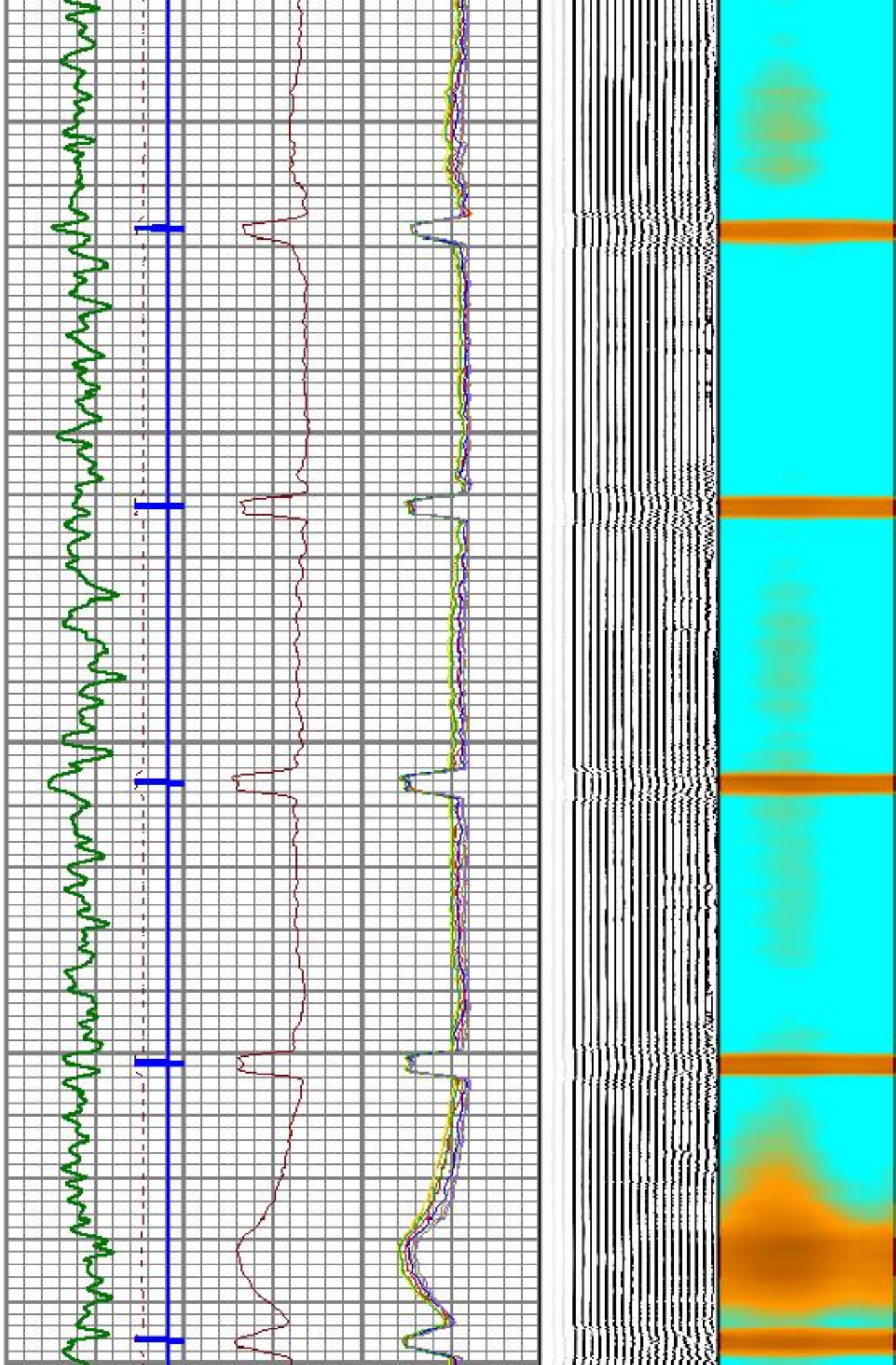
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3900



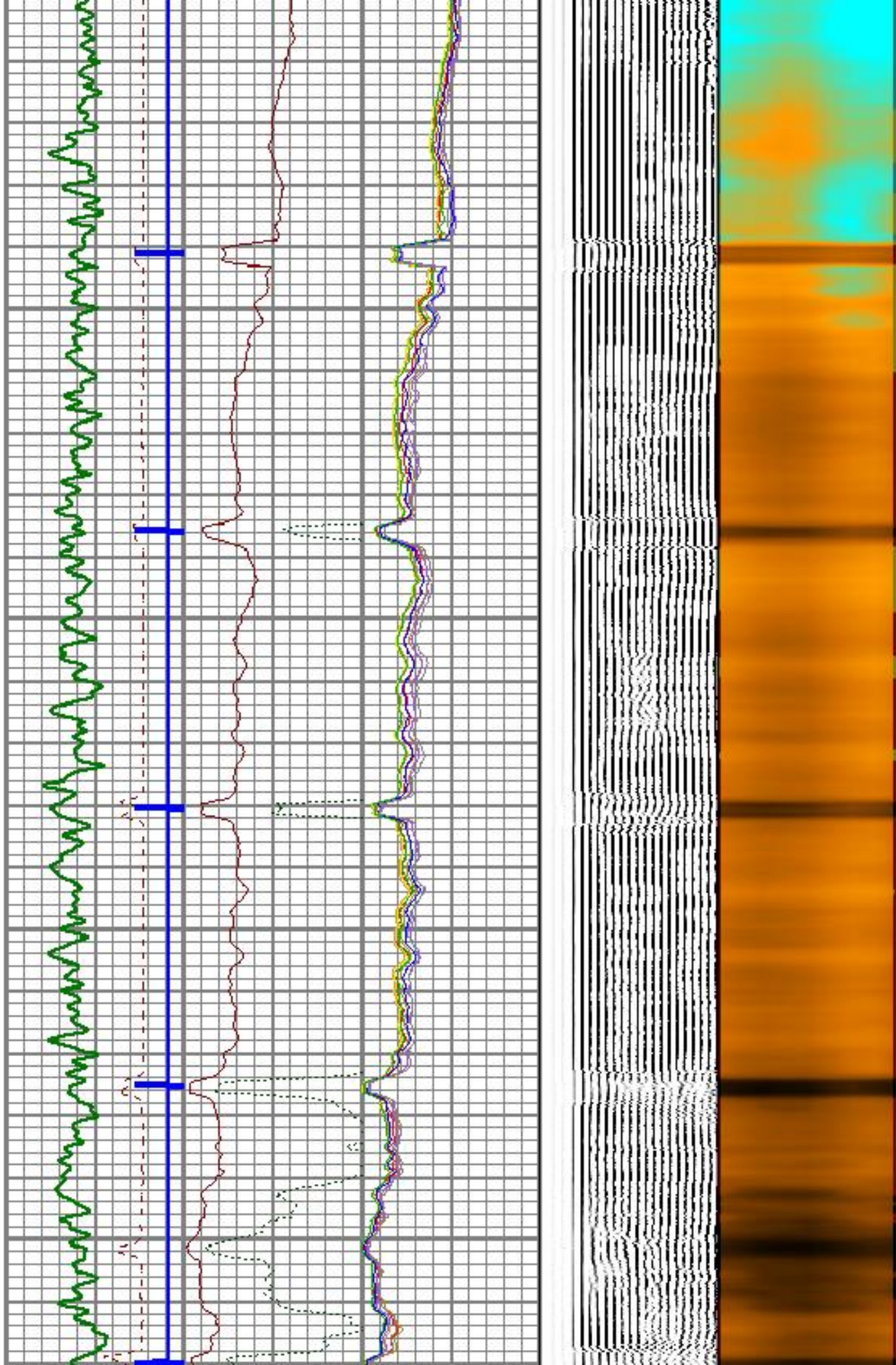
4000

4100



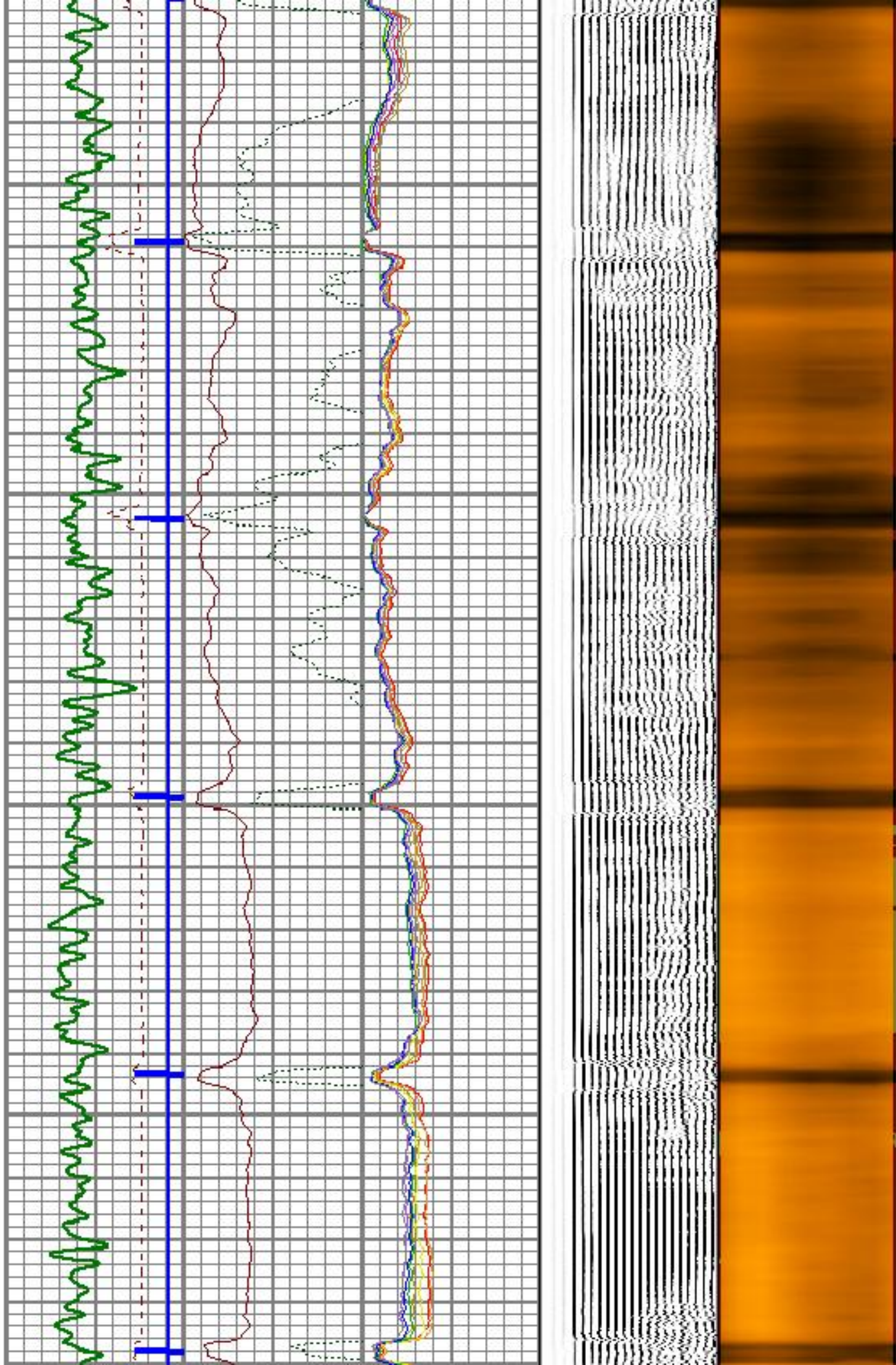
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4300



4400

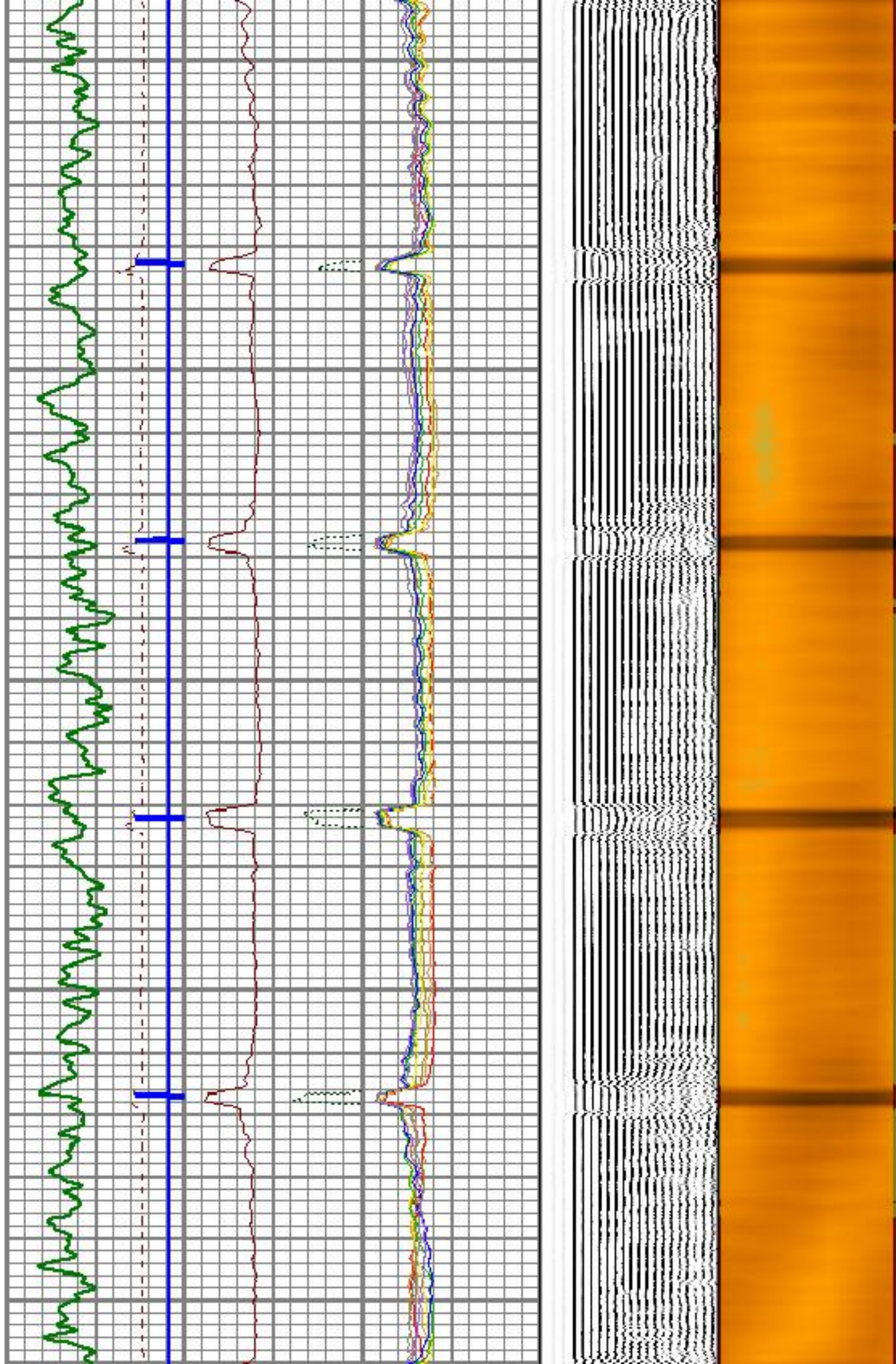
4500



4600

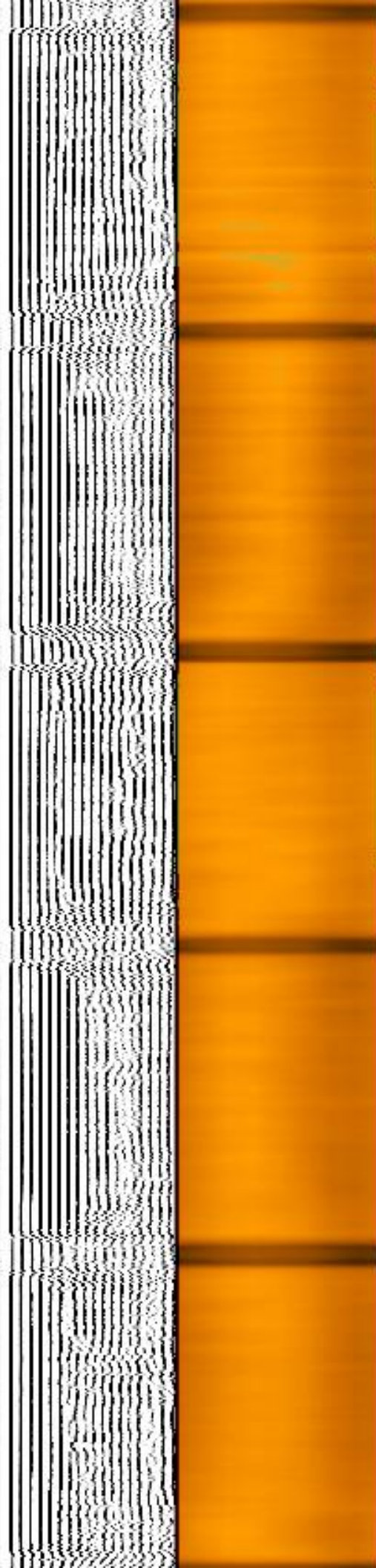
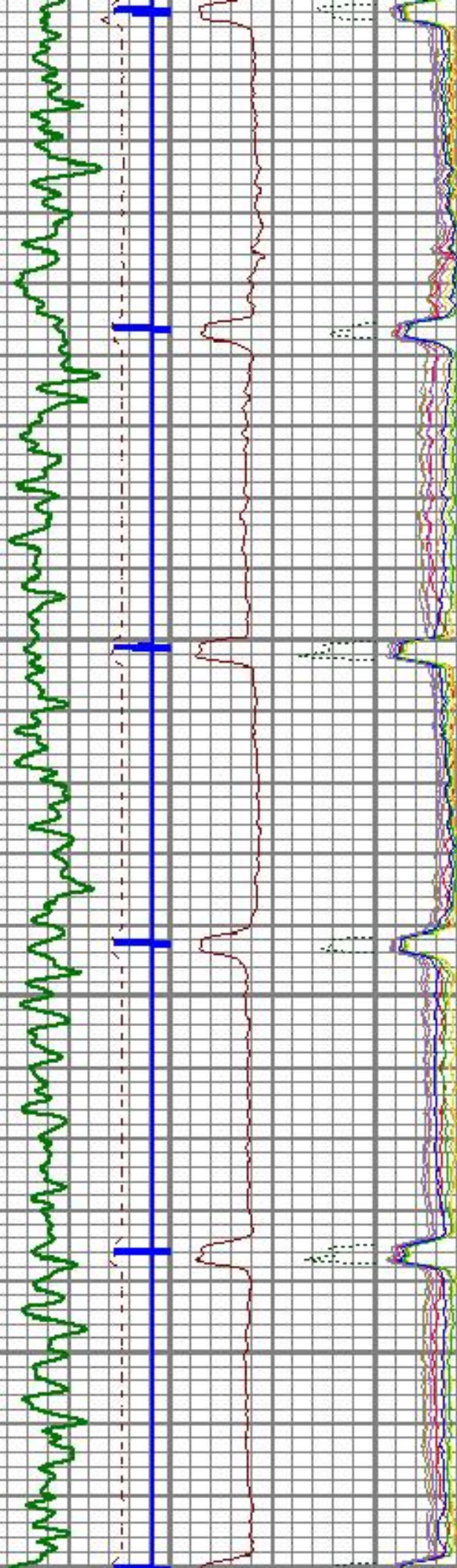
4700

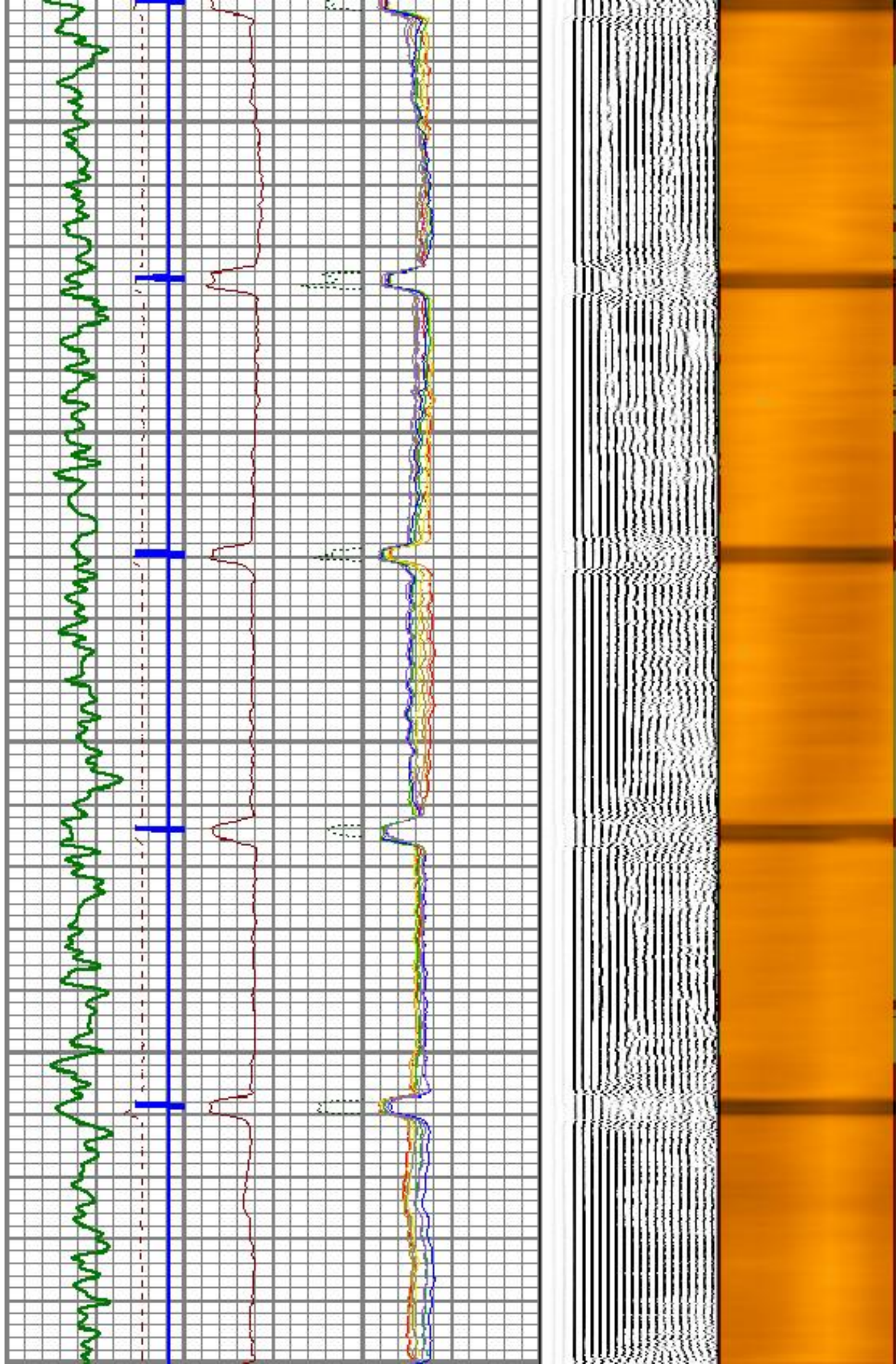
4800



4900

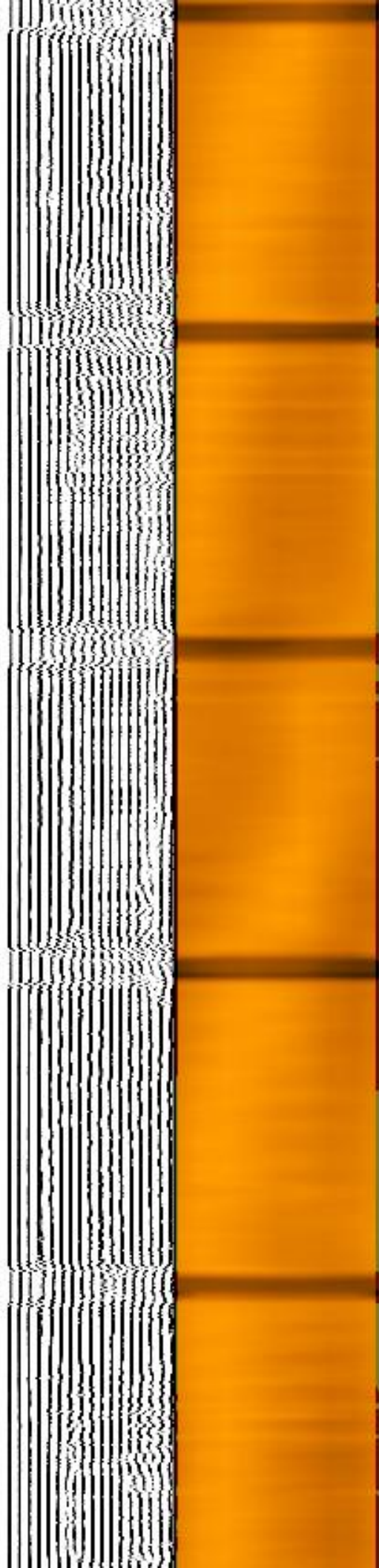
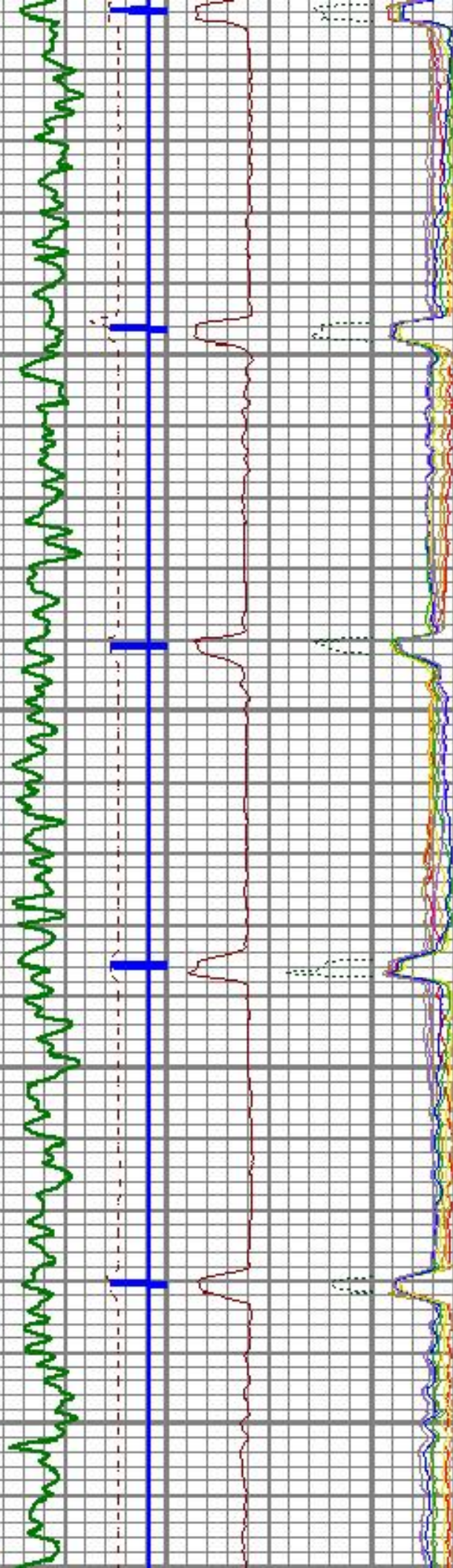
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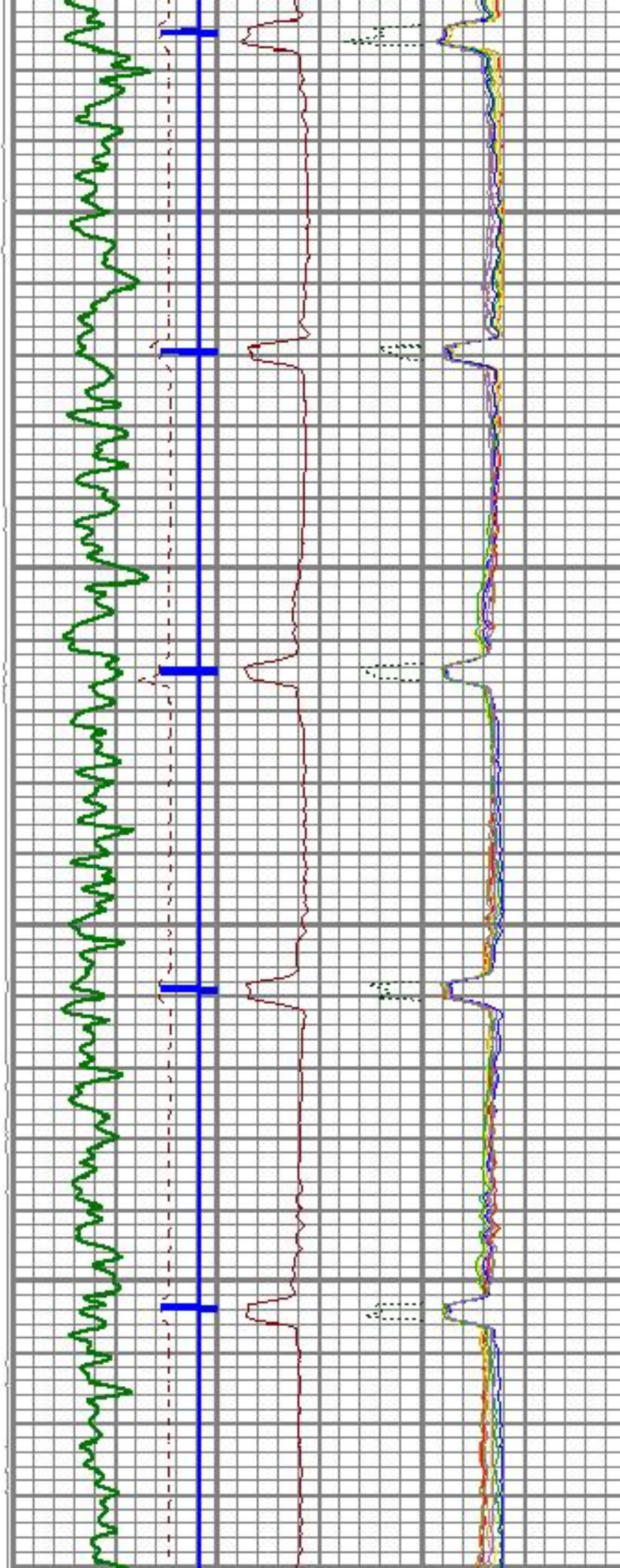
5300

5400



5500

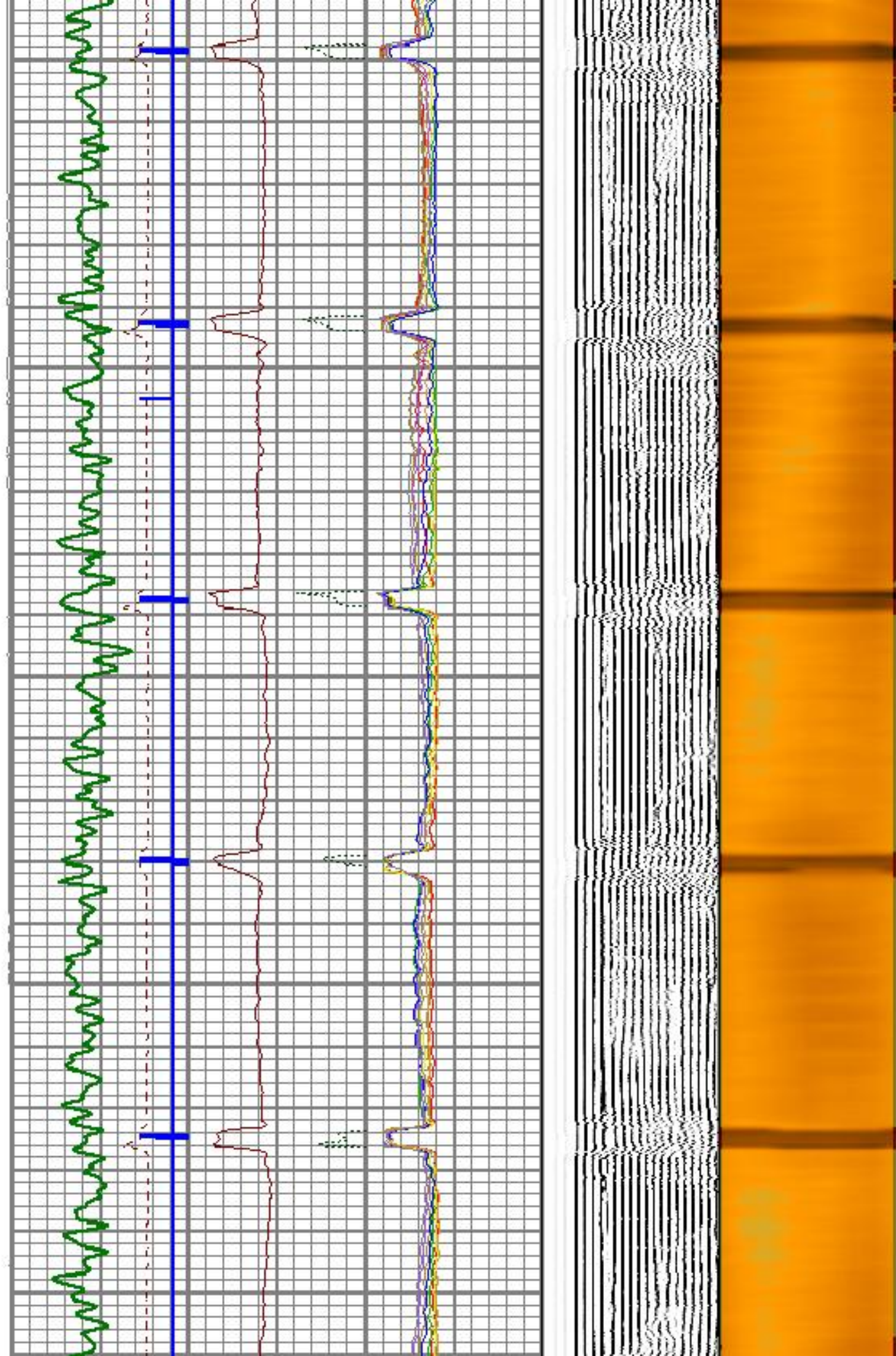
5600



5700

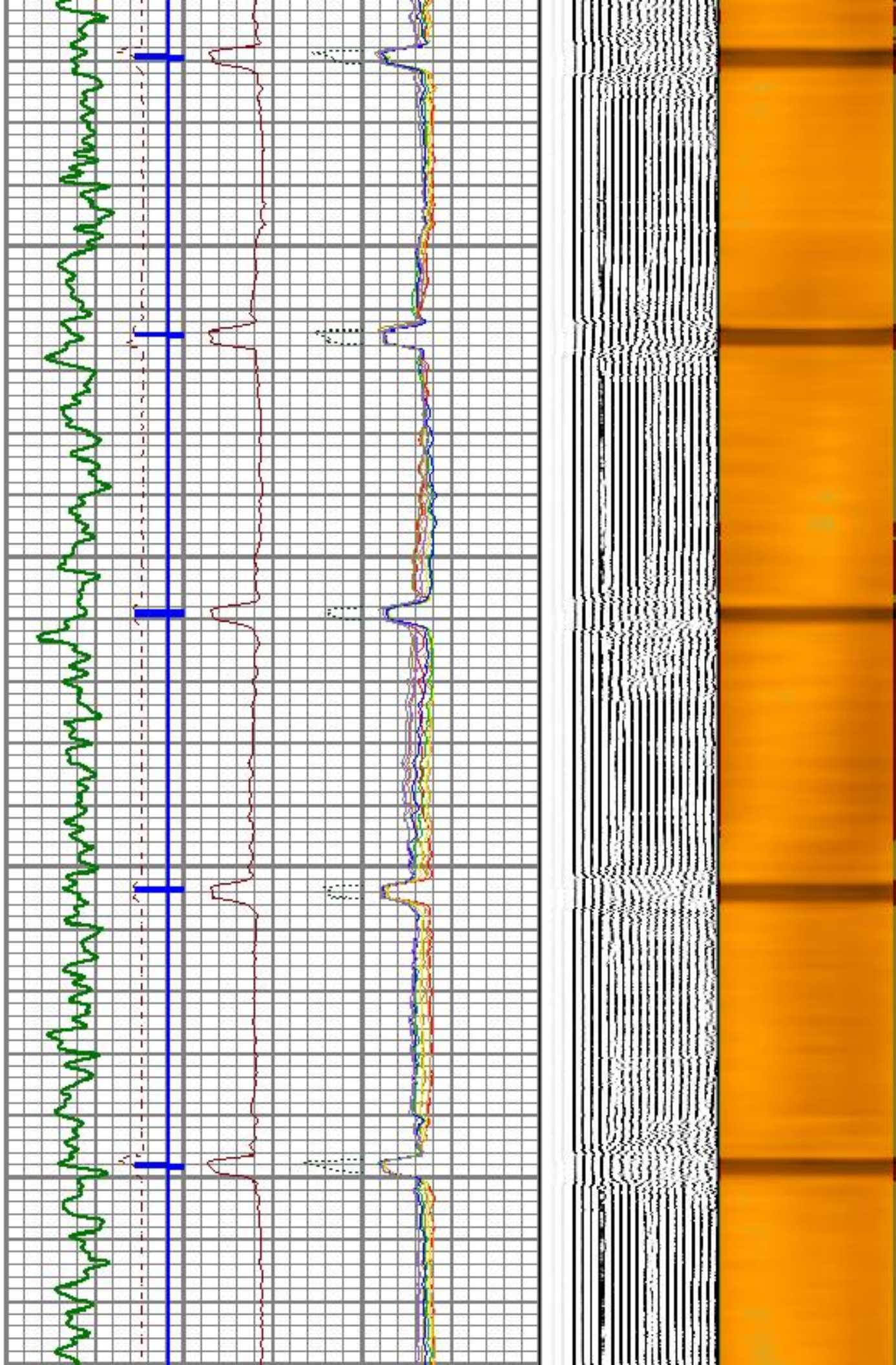
5800

5900



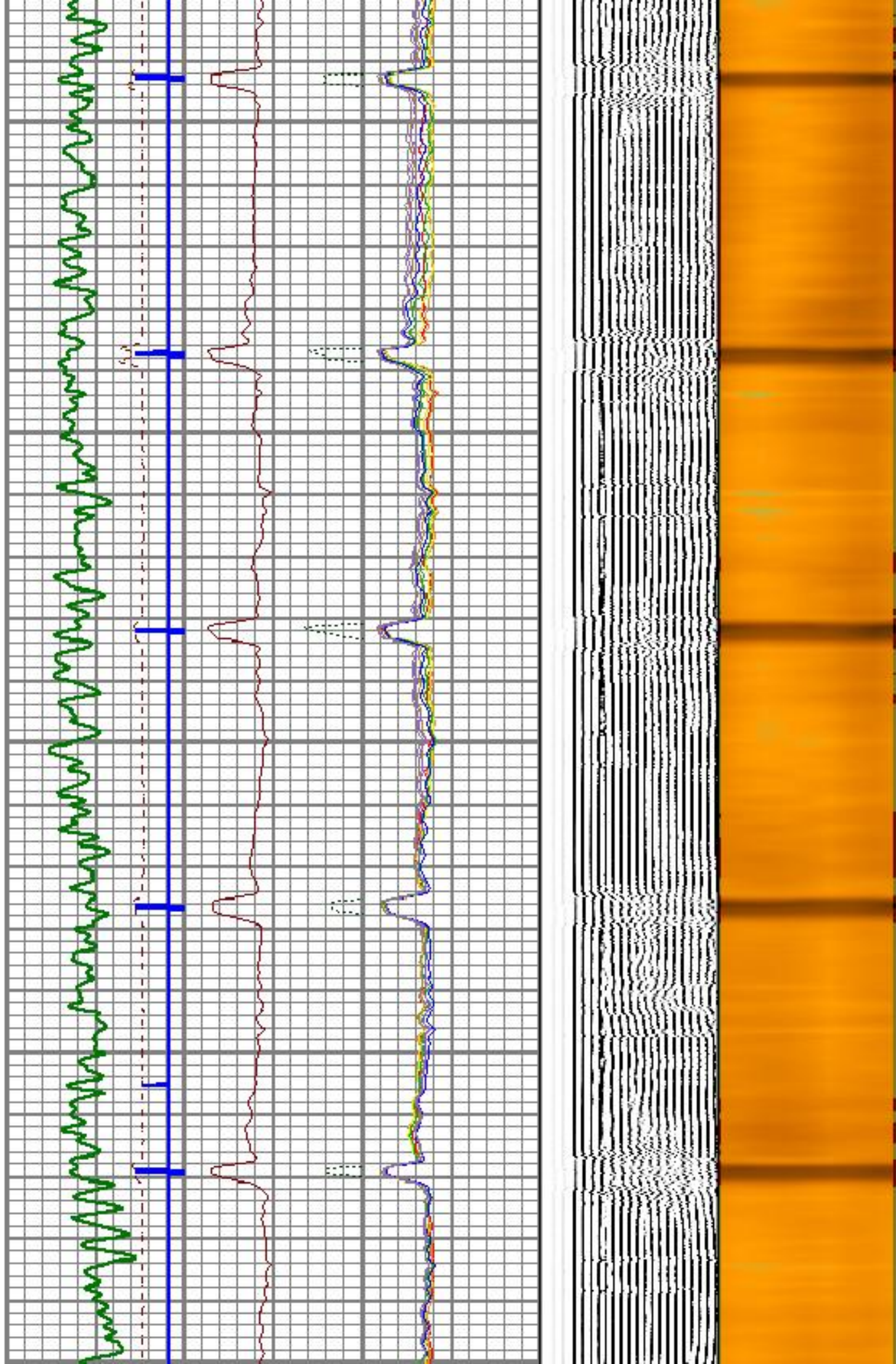
6000

6100



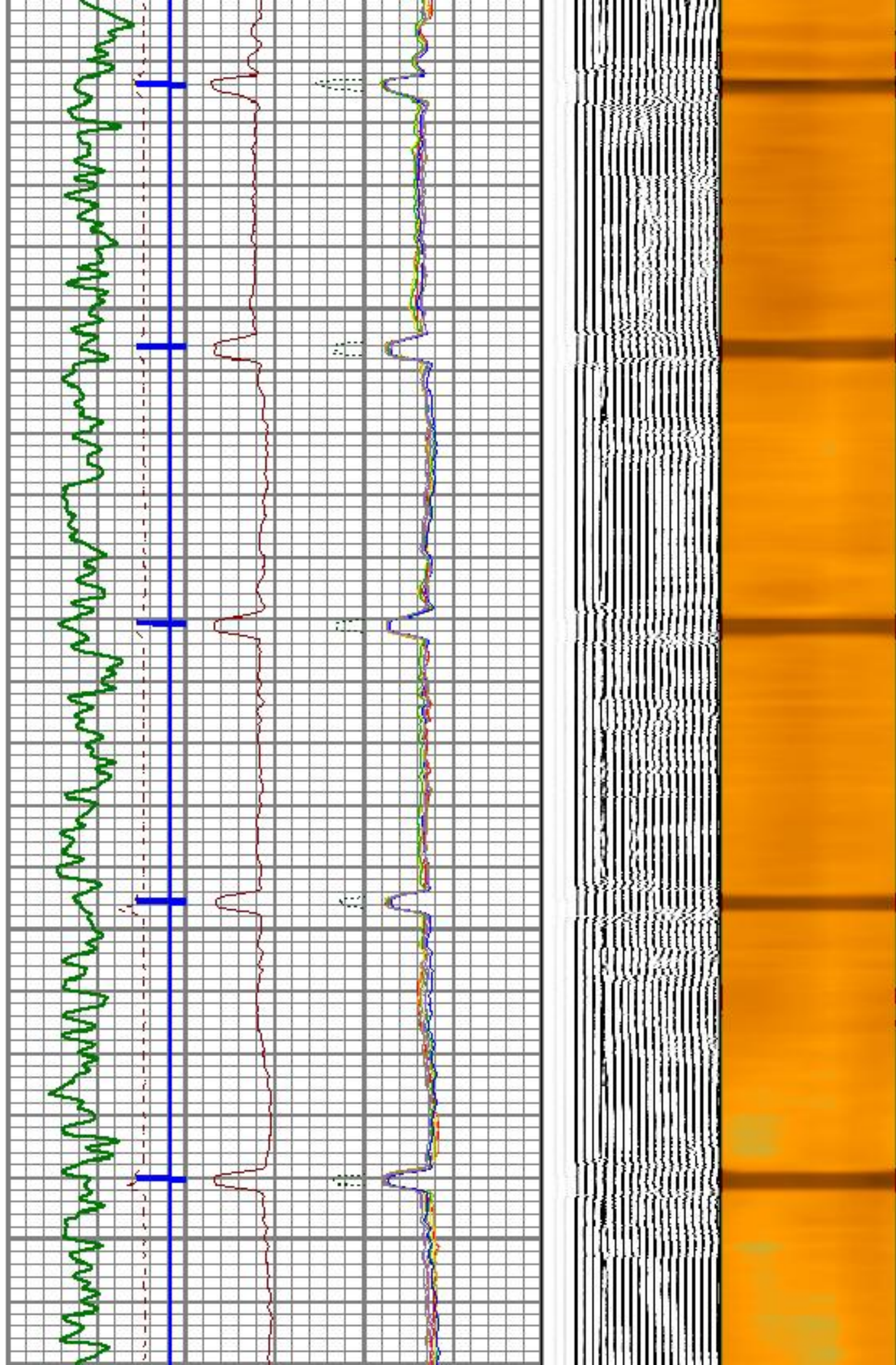
6200

6300



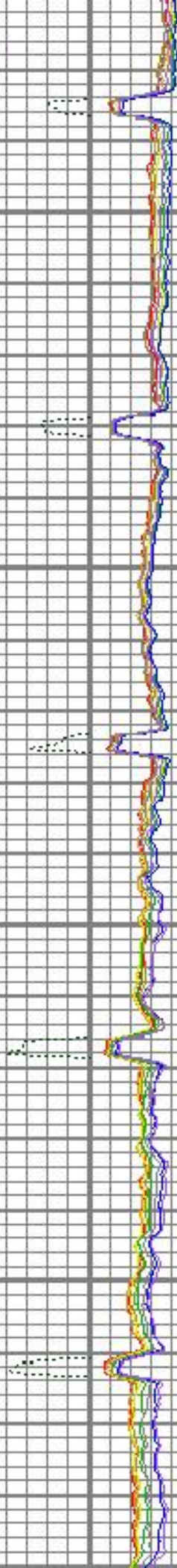
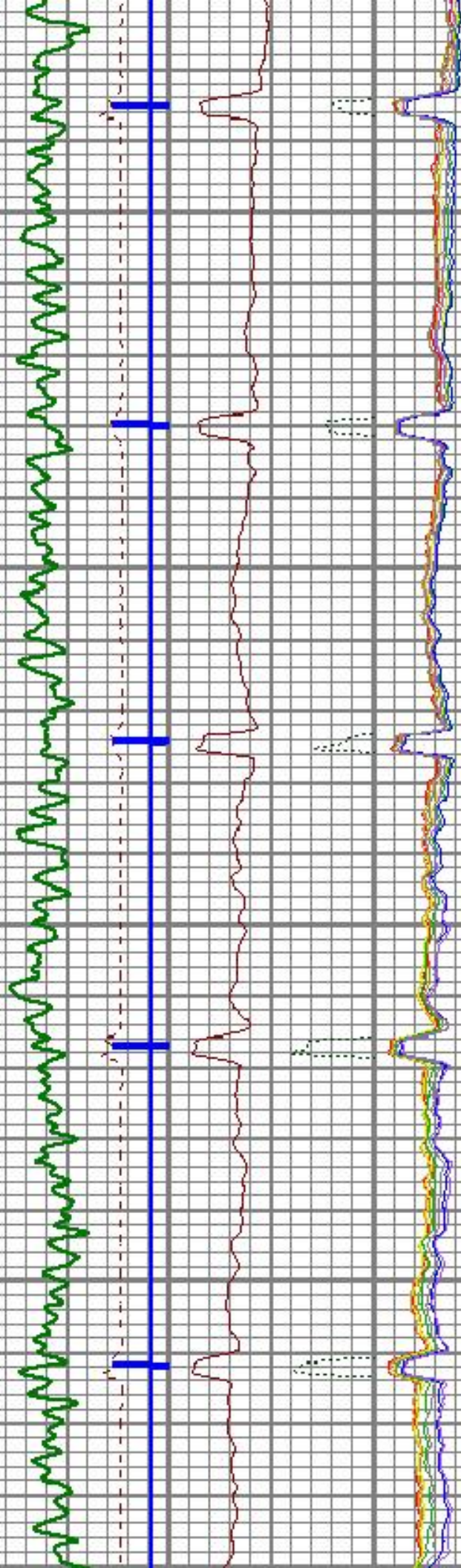
6400

6500



6600

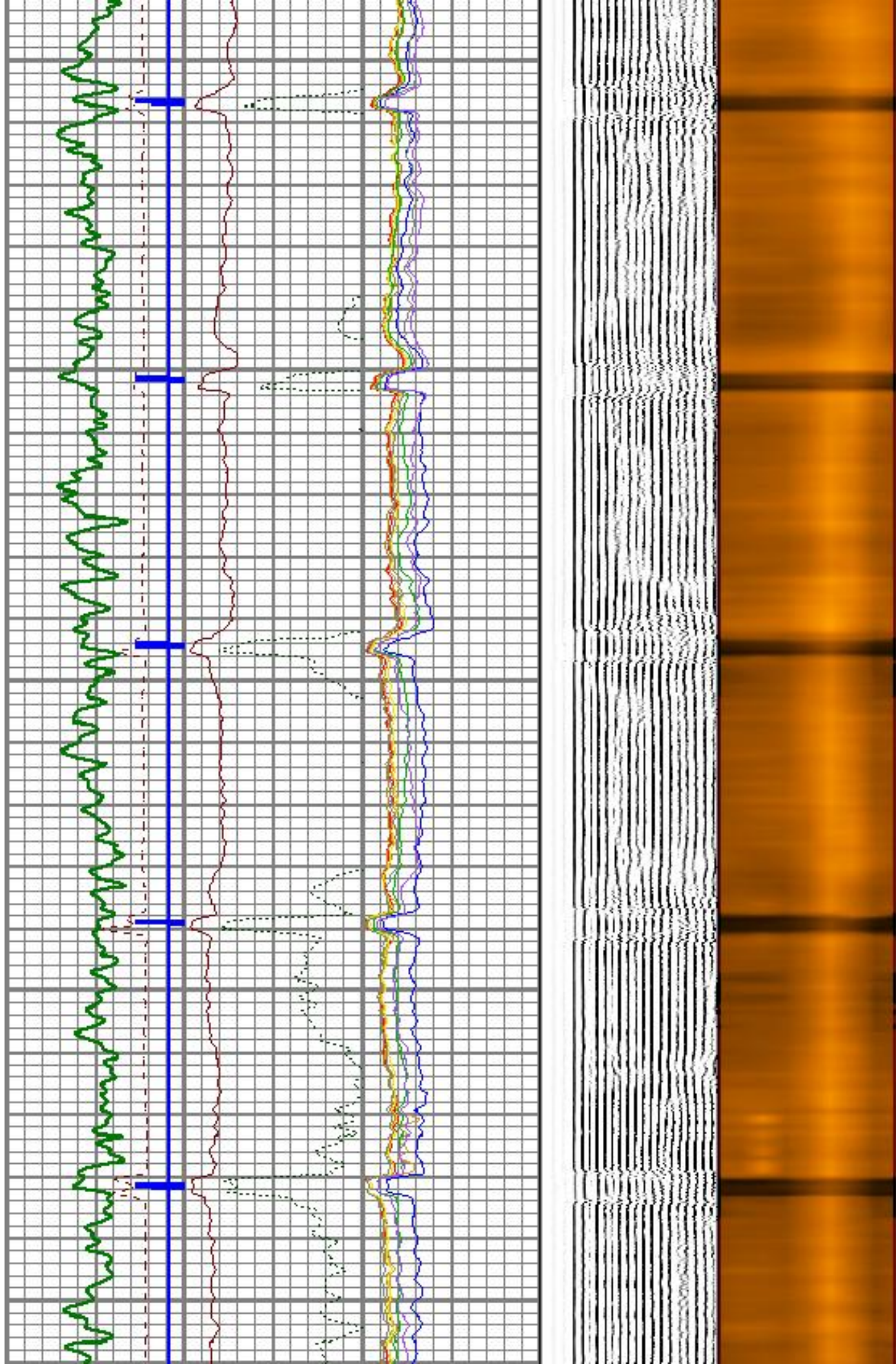
6700



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	3' Amplified Amplitude	0 AMPS2 150	200 (usec) 1200	2
LSPD	Casing Collar Locator	0 (mV) 20	0 AMPS3 150	-409.6 (V) 409.4	
(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 90670_highpoint_grinde_robl.db
 Dataset Pathname pass2
 Presentation Format rbl_all_8_2020
 Dataset Creation Sat Jan 11 15:27:37 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	(GAPI) 200		0 AMPS5 150		
			0 AMPS6 150		
			0 AMPS7 150		
			0 AMPS8 150		

