



Company HIGHPOINT RESOURCES	
Well	GRINDE 01-64-05-1724B
Field	WATTENBERG
County	WELD State COLORADO
Location:	API #: 05-123-49717-00
SHL: 1665' FNL 360' FWL SWNW'	
SEC 5	TWP 1N RGE 64W
Permanent Datum	GL Elevation 5025'
Log Measured From	GL
Drilling Measured From	KB 16.5'
Other Service	
NONE	
Elevation	
K.B. 5041.5'	
D.F. 5041.5'	
G.L. 5025'	

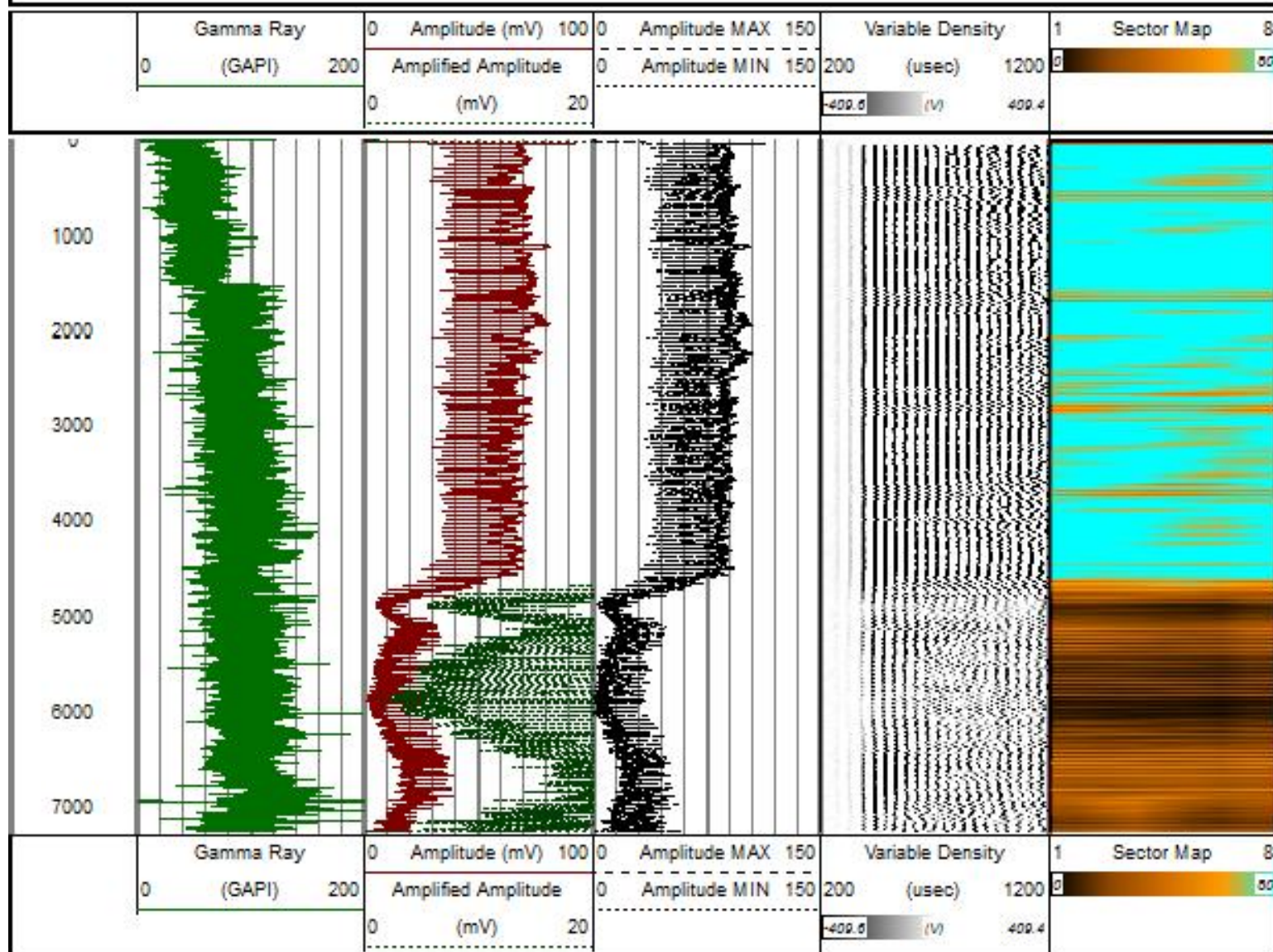
<<< Fold Here >>>

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 90222\_highpoint\_1724b\_robl.db  
 Dataset Pathname 1INCH  
 Presentation Format rbl\_1inch\_2020  
 Dataset Creation Fri Feb 21 15:51:18 2020  
 Charted by Depth in Feet scaled 1:20000



Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
Error_Ct	21.99		CENT-BC275-0000 Probe 2.75" Bowspring Centralizer	2.83	2.75	24.00
CCL	17.99		CCL-Isco (2.75CCL) 2.75 logging ccl	1.83	2.75	20.00
RadiiHeadVolt	17.33					



WVFS8	12.82		RBT-Probe275C (2.75C_base) 2.75" Radial Bond Tool	8.75	2.75	90.00
WVFS7	12.82					
WVFS6	12.82					
WVFS5	12.82					
WVFS4	12.82					
WVFS3	12.82					
WVFS2	12.82					
WVFS1	12.82					
WVFCAL	12.82					
WVF3FT	12.82					
WVF5FT	11.82					
GCT_Temp	4.94		CENT-BC275-0000 Probe 2.75" Bowspring Centralizer	2.83	2.75	24.00
GR	4.07		GC-GCT275-00SA (GCT275-00SA_base) Probe 2.75" Gamma Ray w/ Temp	4.06	2.75	46.00
TTD_TEMP	0.18		TEMP-T1375-0001 (T1375-0001_Base) T1375-0001	1.68	1.38	6.00
Dataset: 90222_highpoint_1724b_rcbl.db: field/well/run1/MAIN Total length: 21.99 ft Total weight: 210.00 lb O.D.: 2.75 in						

Calibration Report		
Database File	90222_highpoint_1724b_rcbl.db	
Dataset Pathname	MAIN	
Dataset Creation	Fri Feb 21 15:50:36 2020	
Gamma Ray Calibration Report		
Serial Number:	GCT275-00SA_base	
Tool Model:	GCT275-00SA	
Performed:	(Not Performed)	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps
Segmented Cement Bond Log Calibration Report		
Serial Number:	2.75C_base	
Tool Model:	Probe275C	

Calibration Casing Diameter: 4.500 in  
Calibration Depth: 78.297 ft

Master Calibration, performed Fri Feb 21 12:21:28 2020:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	0.743	0.250	81.198	108.938	0.225
CAL	0.004	1.075				
5'	0.007	0.840	0.250	81.198	97.157	-0.382
SUM						
S1	0.001	0.748	0.000	100.000	133.843	-0.176
S2	-0.002	0.761	0.000	100.000	131.191	0.220
S3	0.000	0.754	0.000	100.000	132.641	-0.048
S4	0.002	0.738	0.000	100.000	135.792	-0.244
S5	0.001	0.752	0.000	100.000	133.247	-0.169
S6	0.000	0.758	0.000	100.000	132.006	-0.082
S7	0.001	0.759	0.000	100.000	131.988	-0.131
S8	-0.001	0.760	0.000	100.000	131.459	0.086

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.004	1.075	1.000	0.000

Air Zero Calibration, performed (Not Performed):

	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

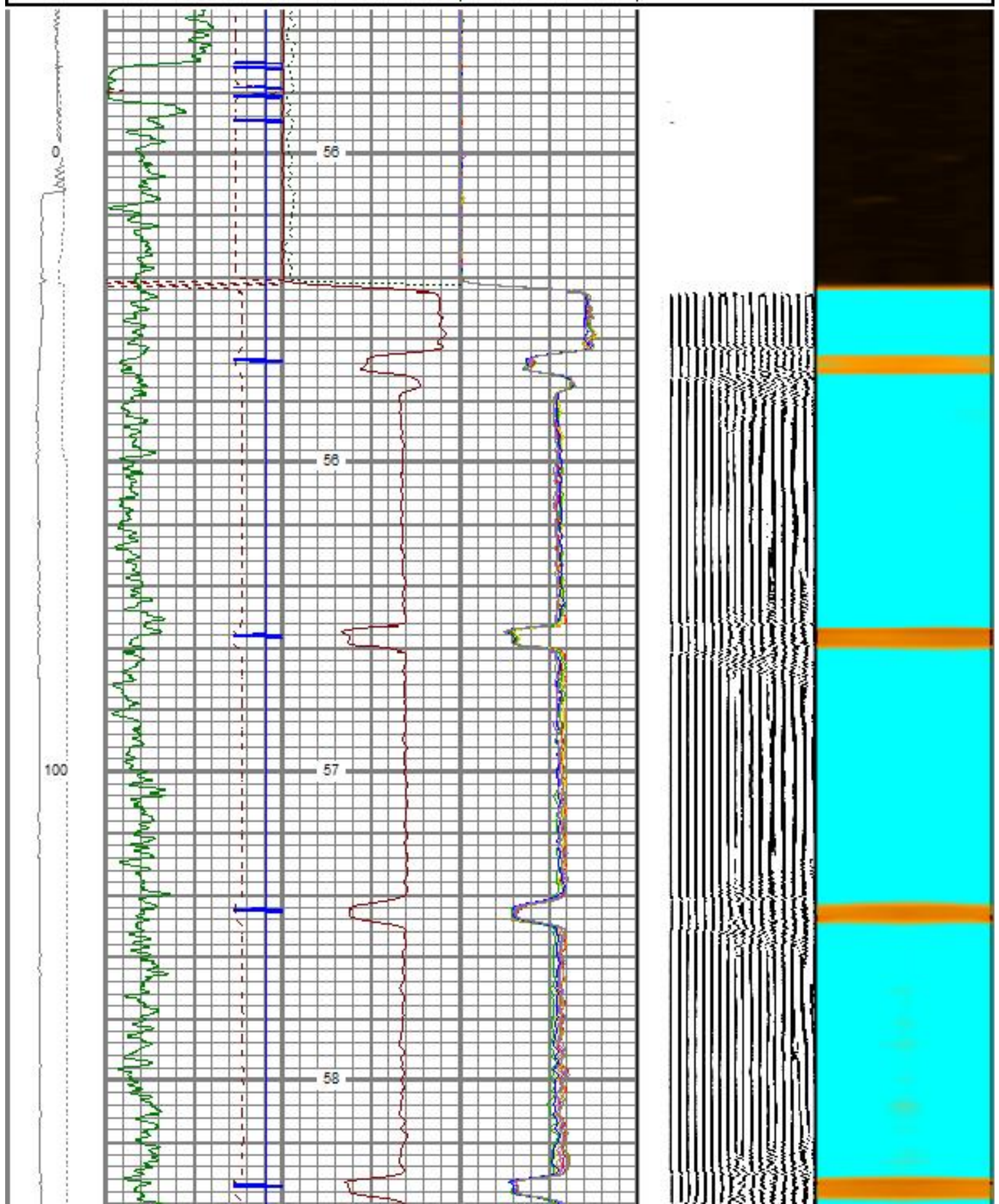
Database File: 90222\_highpoint\_1724b\_robl.db  
Dataset Pathname: MAIN  
Presentation Format: rbl\_all\_8\_2020  
Dataset Creation: Fri Feb 21 15:50:38 2020  
Charted by: Depth in Feet scaled 1:240

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	50
Casing Collar Locator	0 (mV) 20	0 AMPS3	150	400.0 (V) 204.7			



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

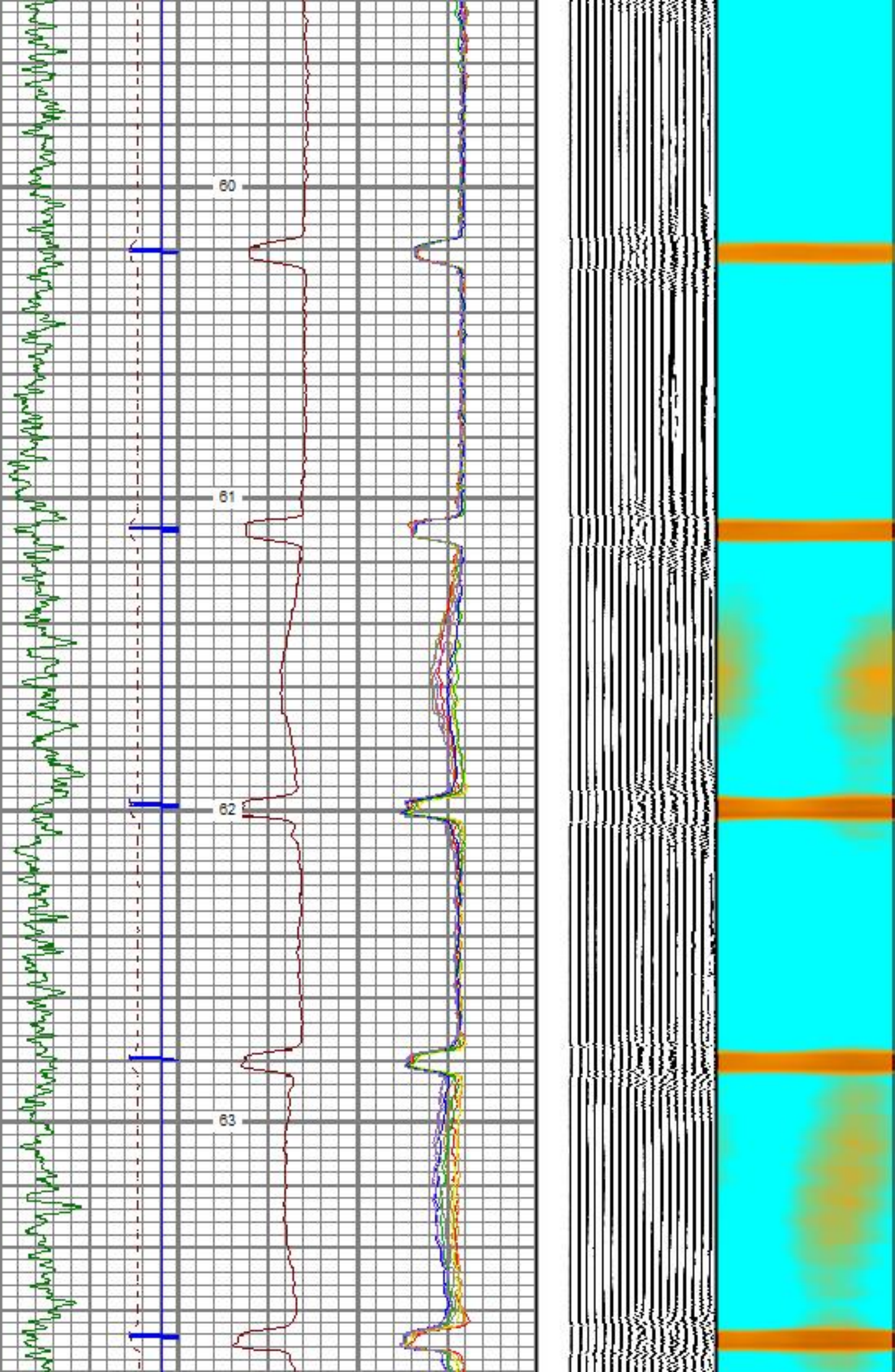
0	AMPS4	150
0	AMPS5	150
0	AMPS6	150
0	AMPS7	150
0	AMPS8	150





200

300

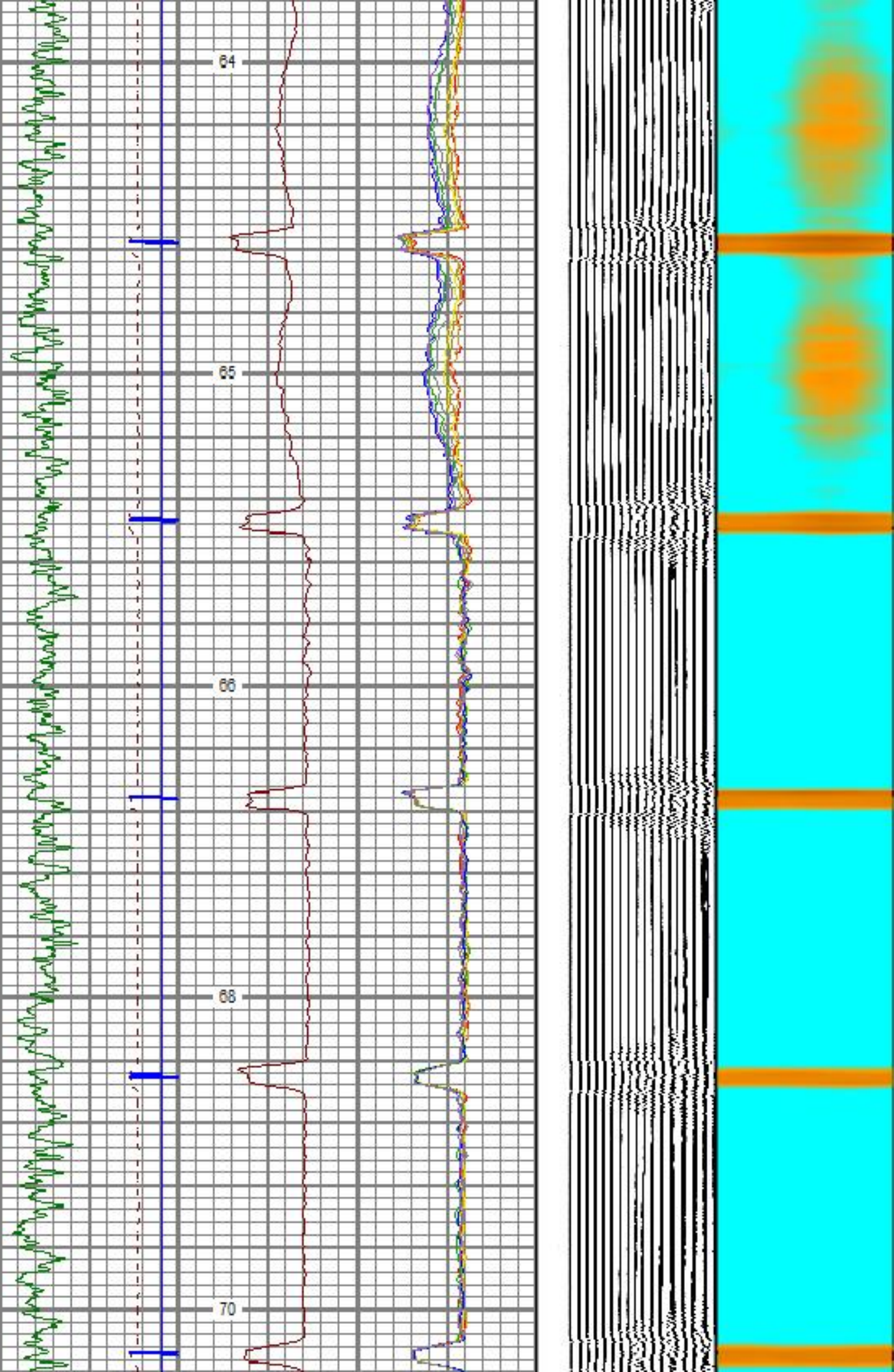




400

500

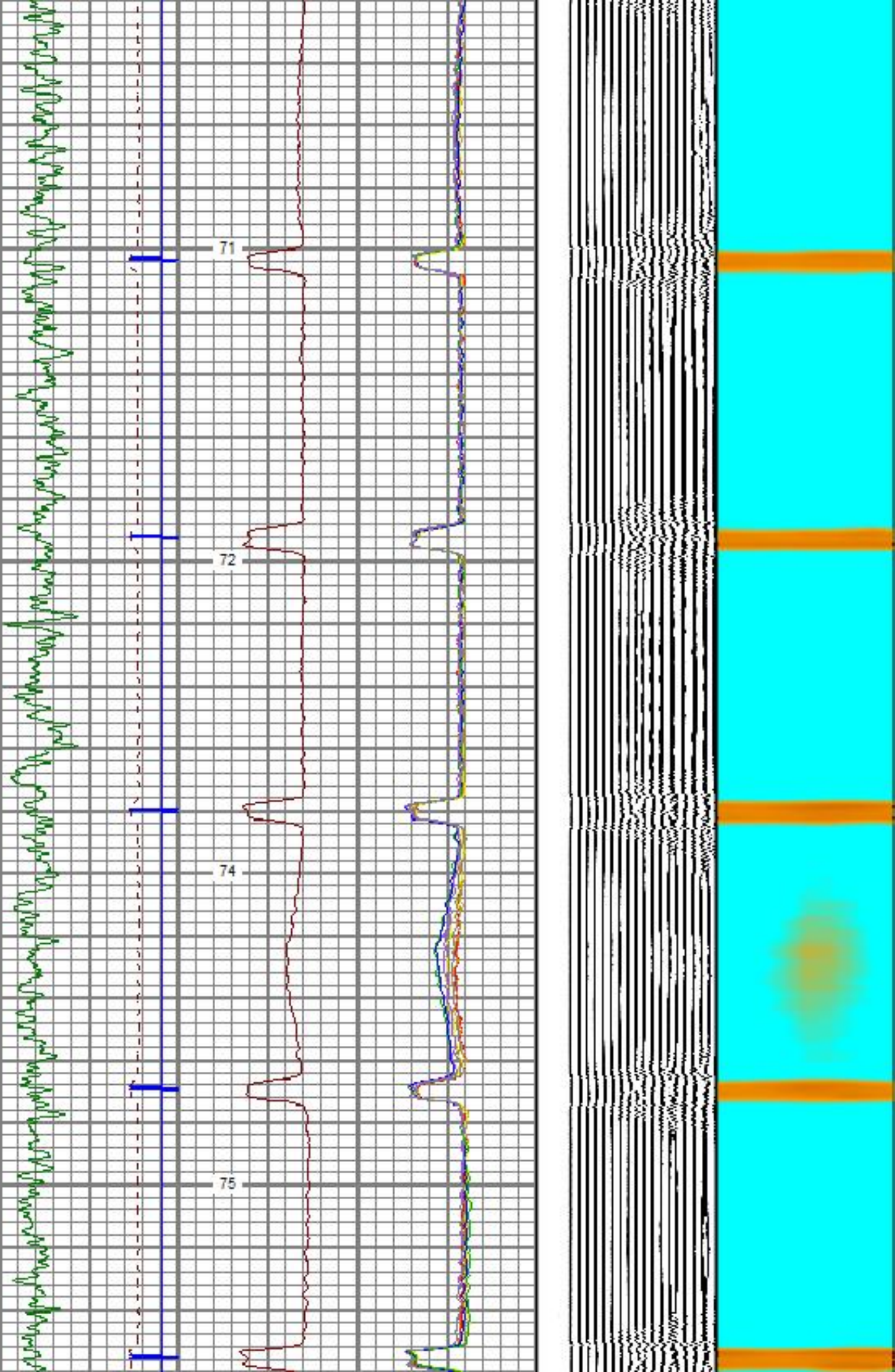
600





700

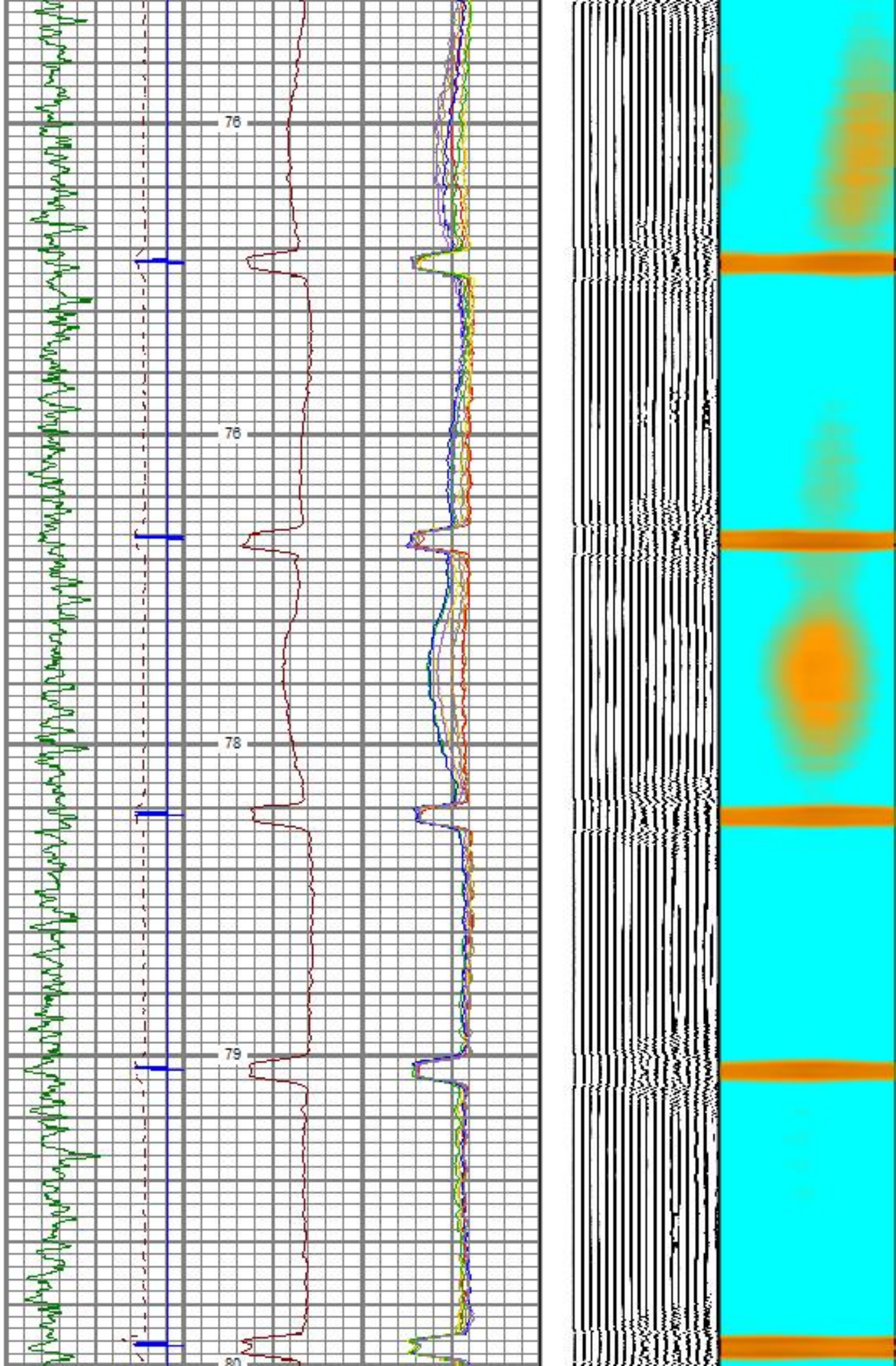
800





900

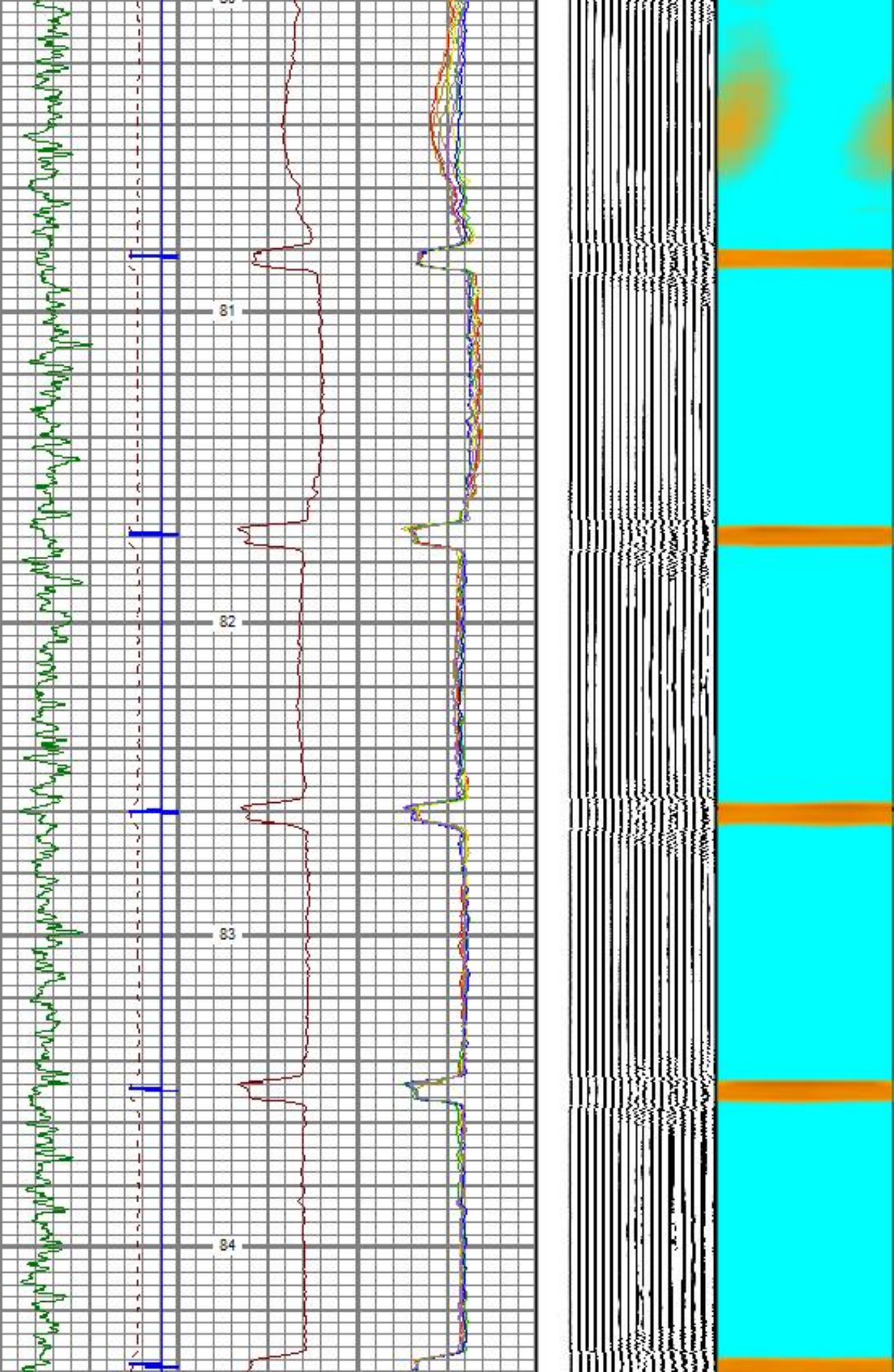
1000





1100

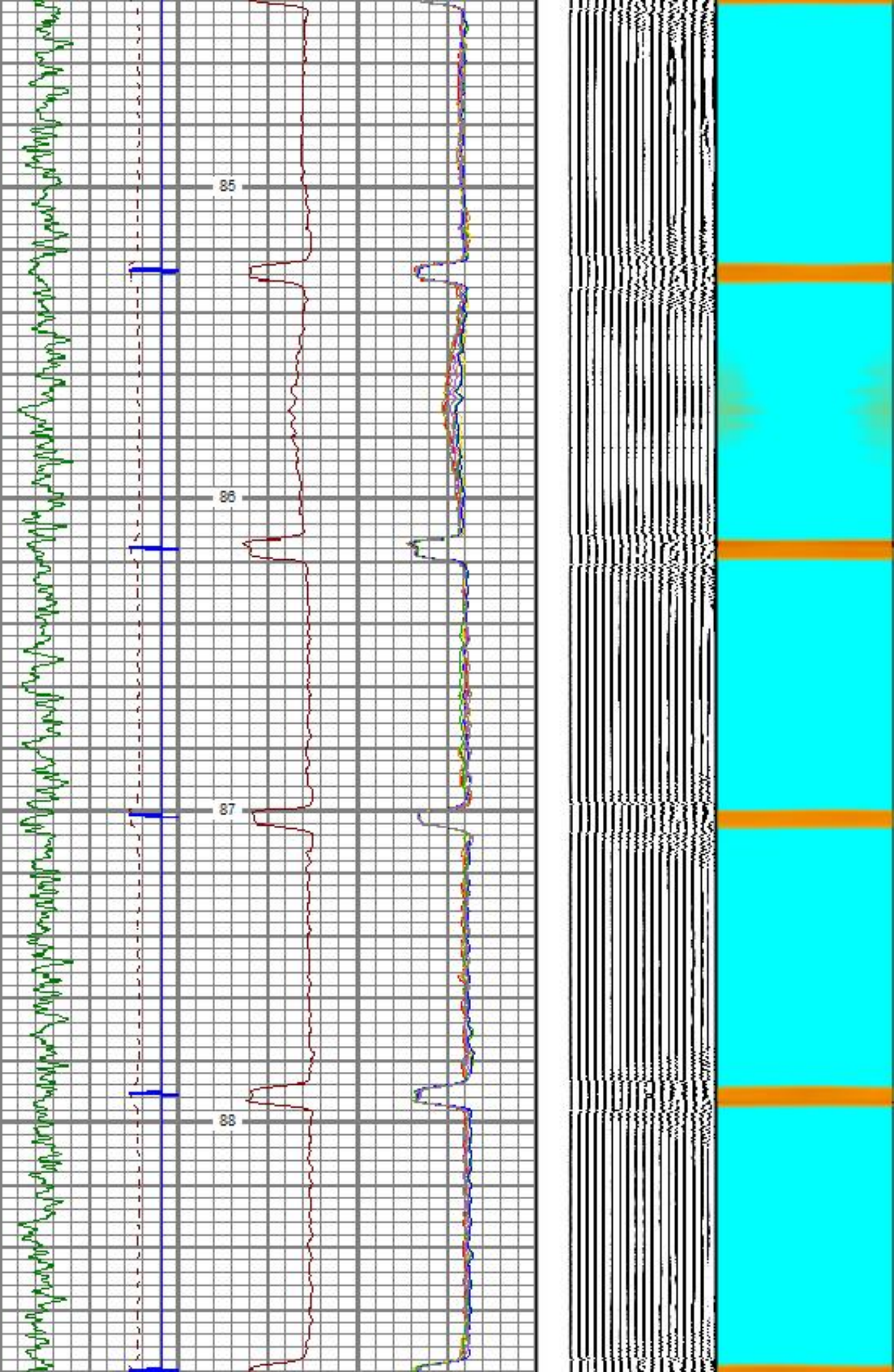
1200





1300

1400

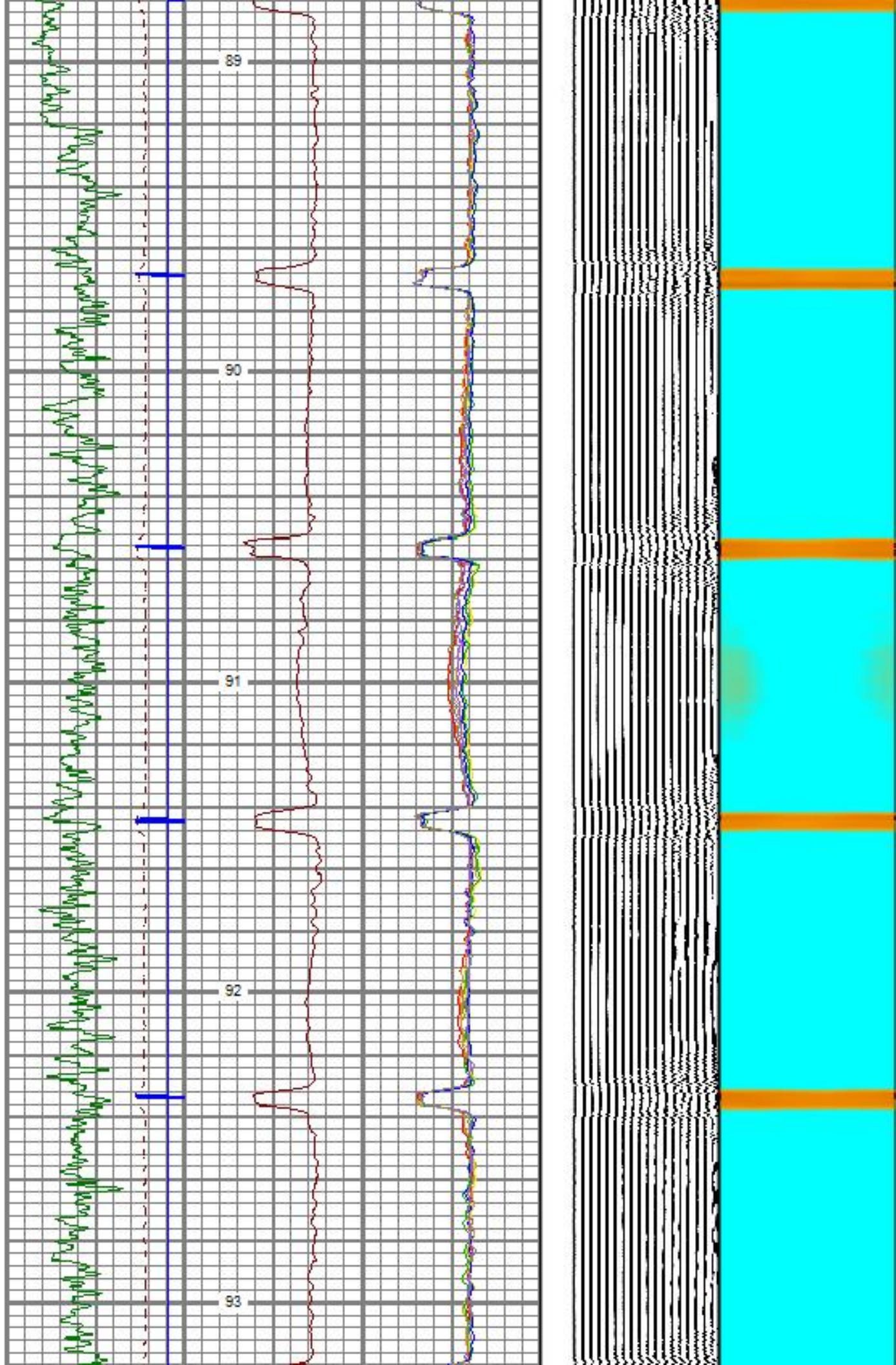




1500

1600

1700

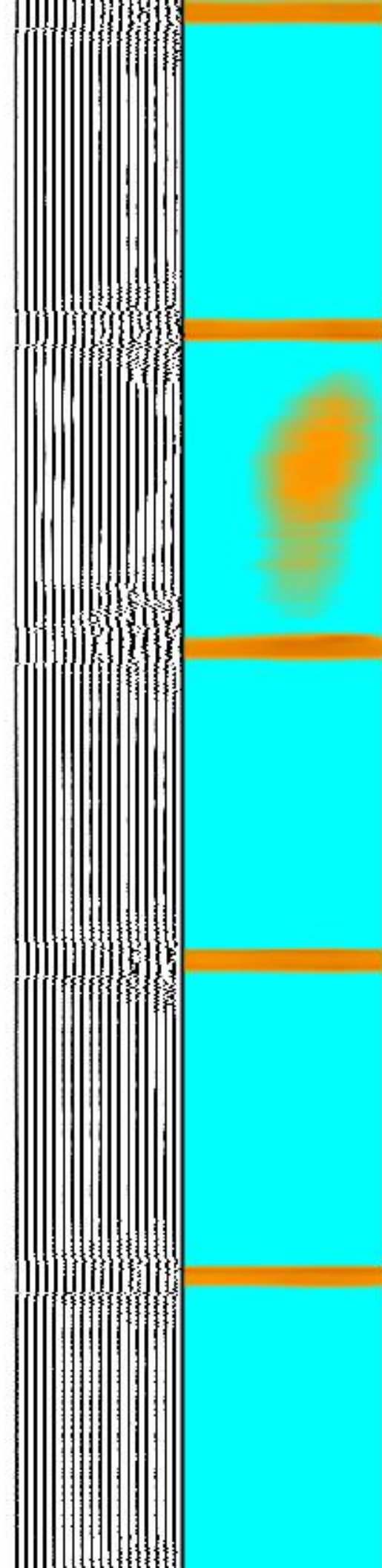
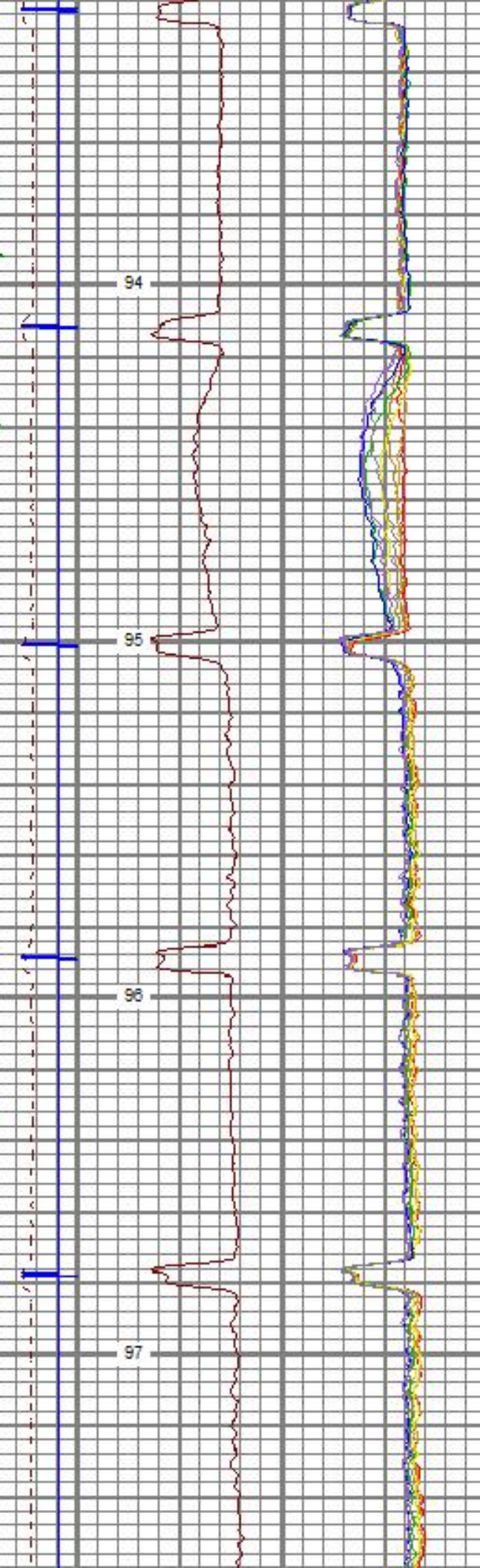




1800

1900

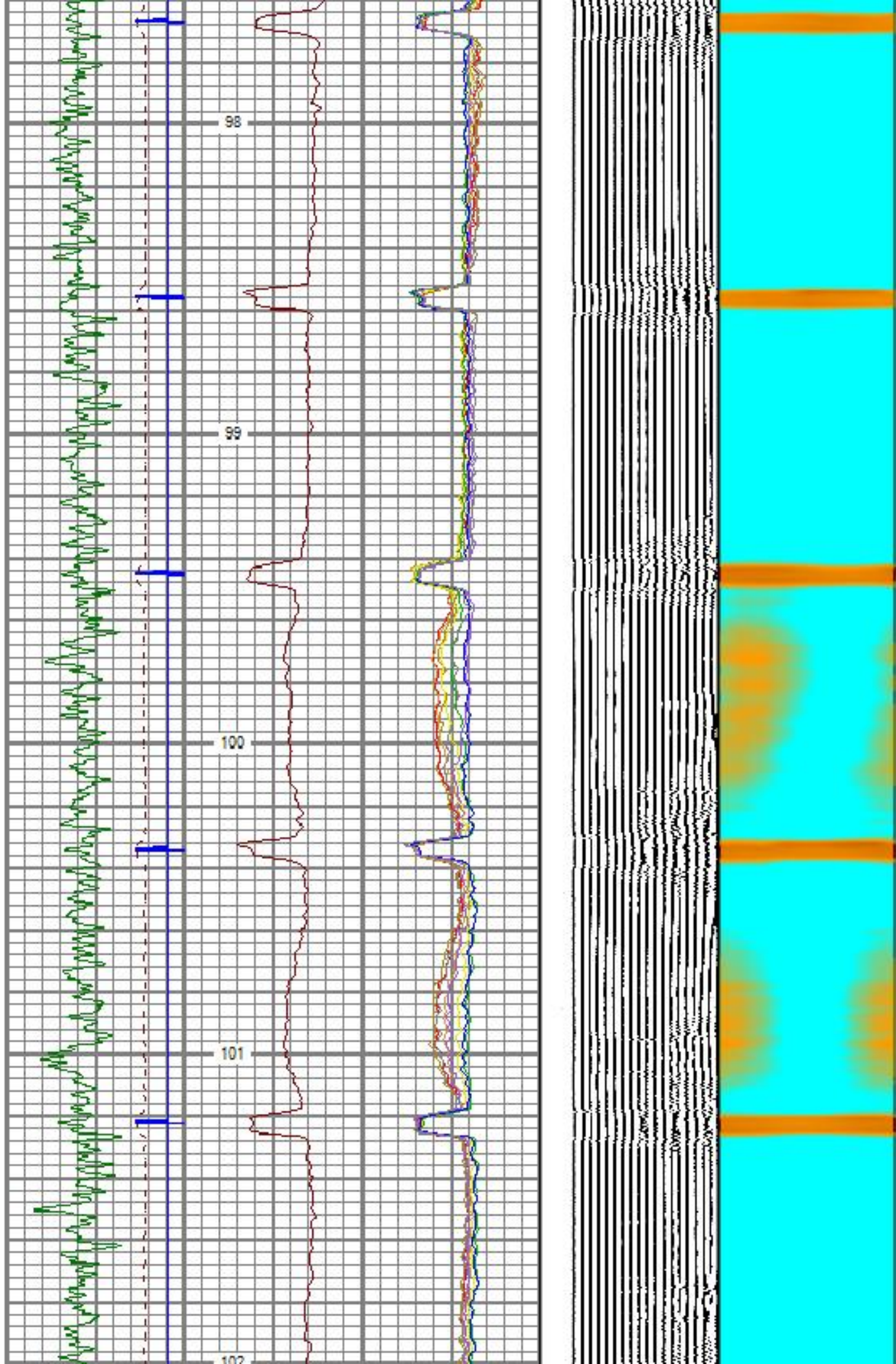
Handwritten notes in the left margin, likely describing geological observations or data points corresponding to the well logs.





2000

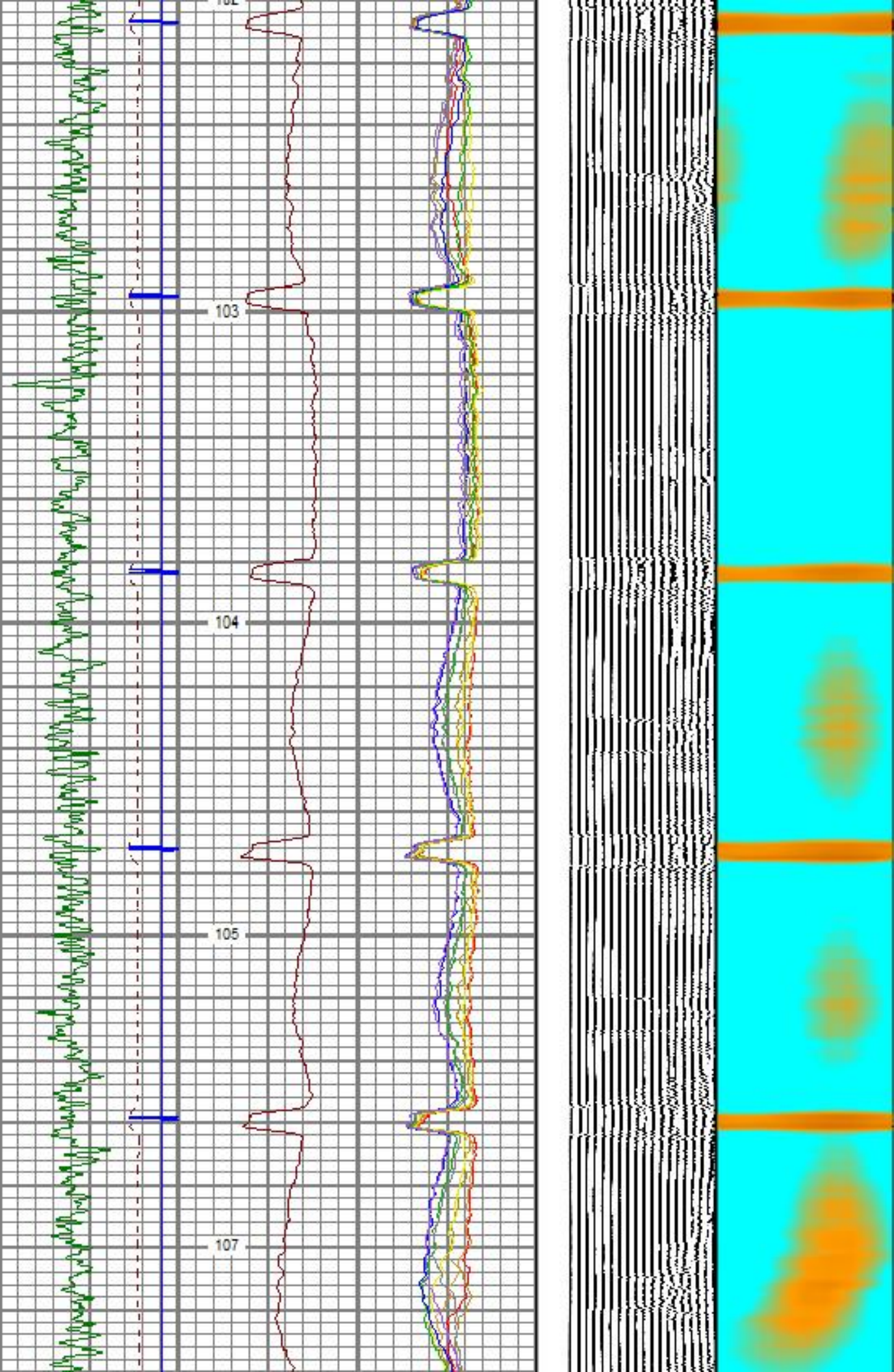
2100





2200

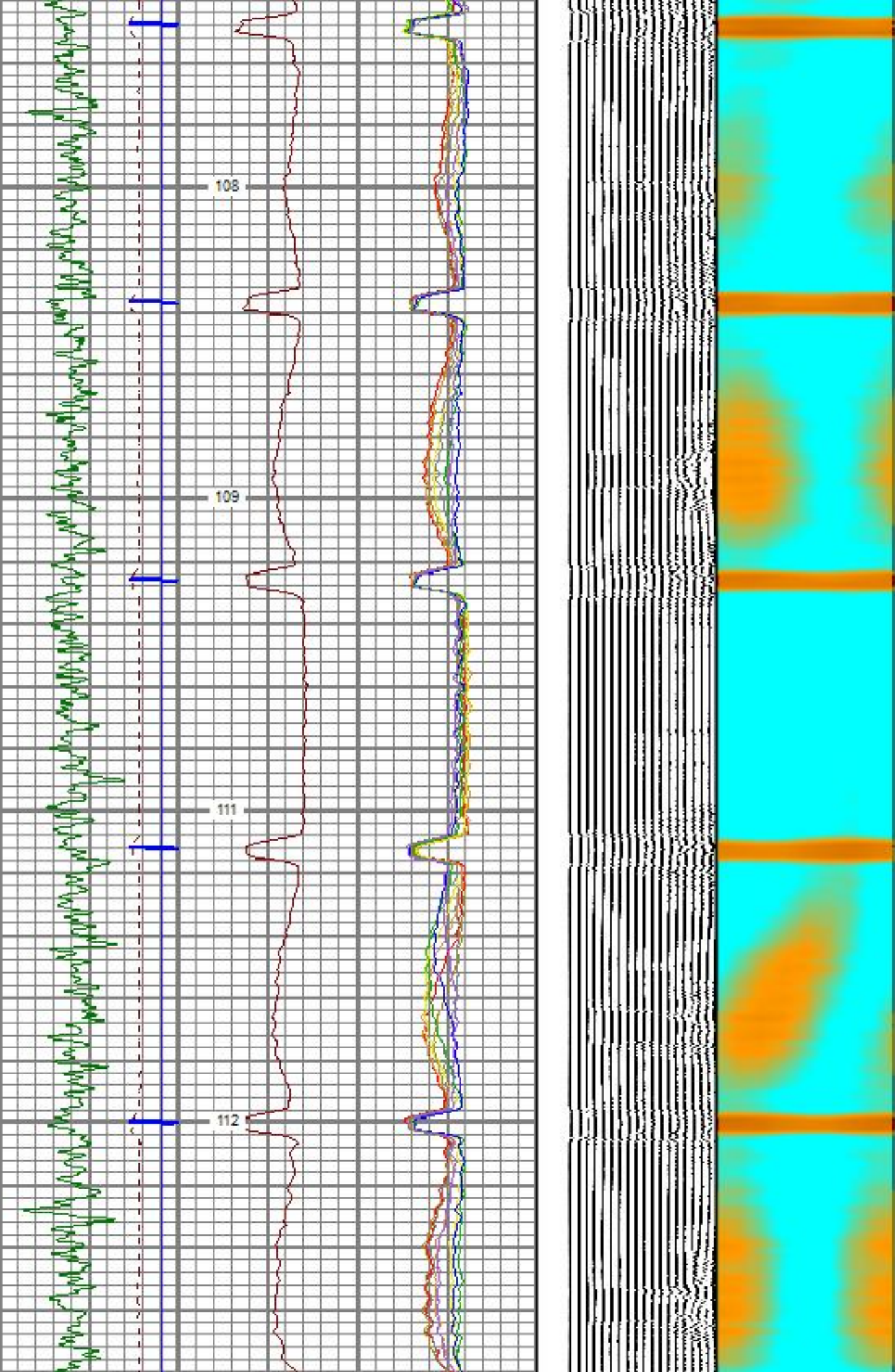
2300



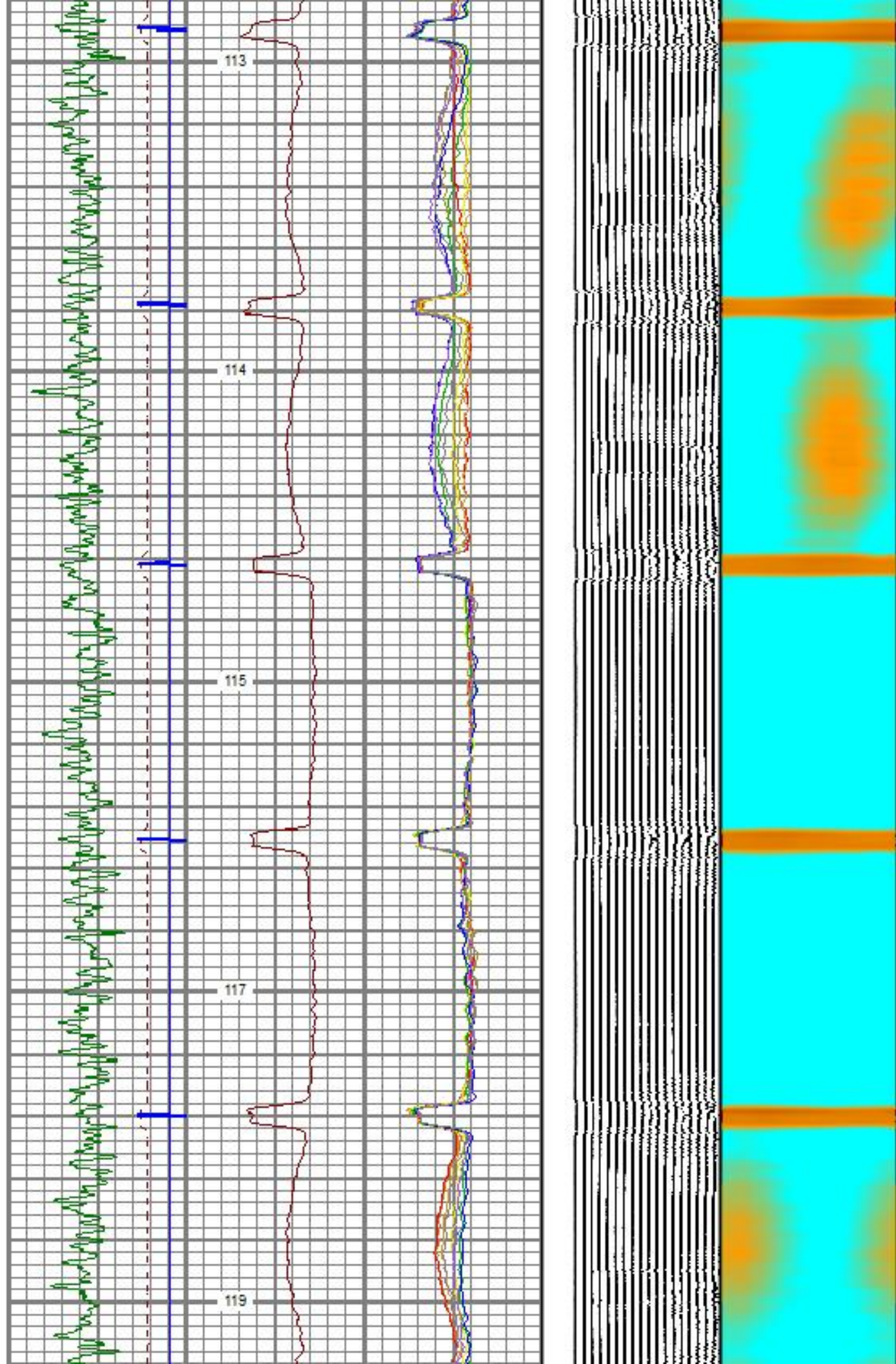


2400

2500



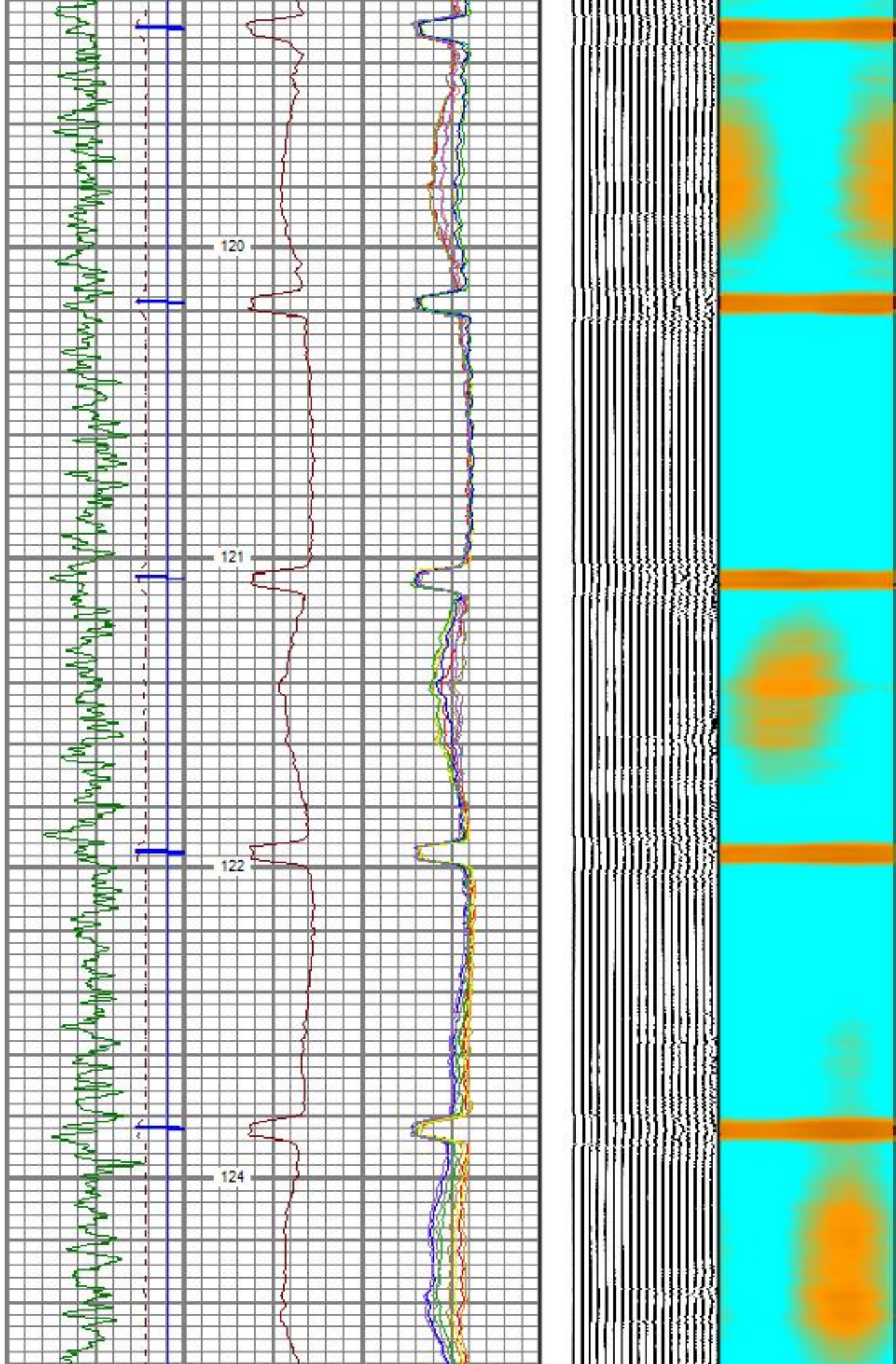






2900

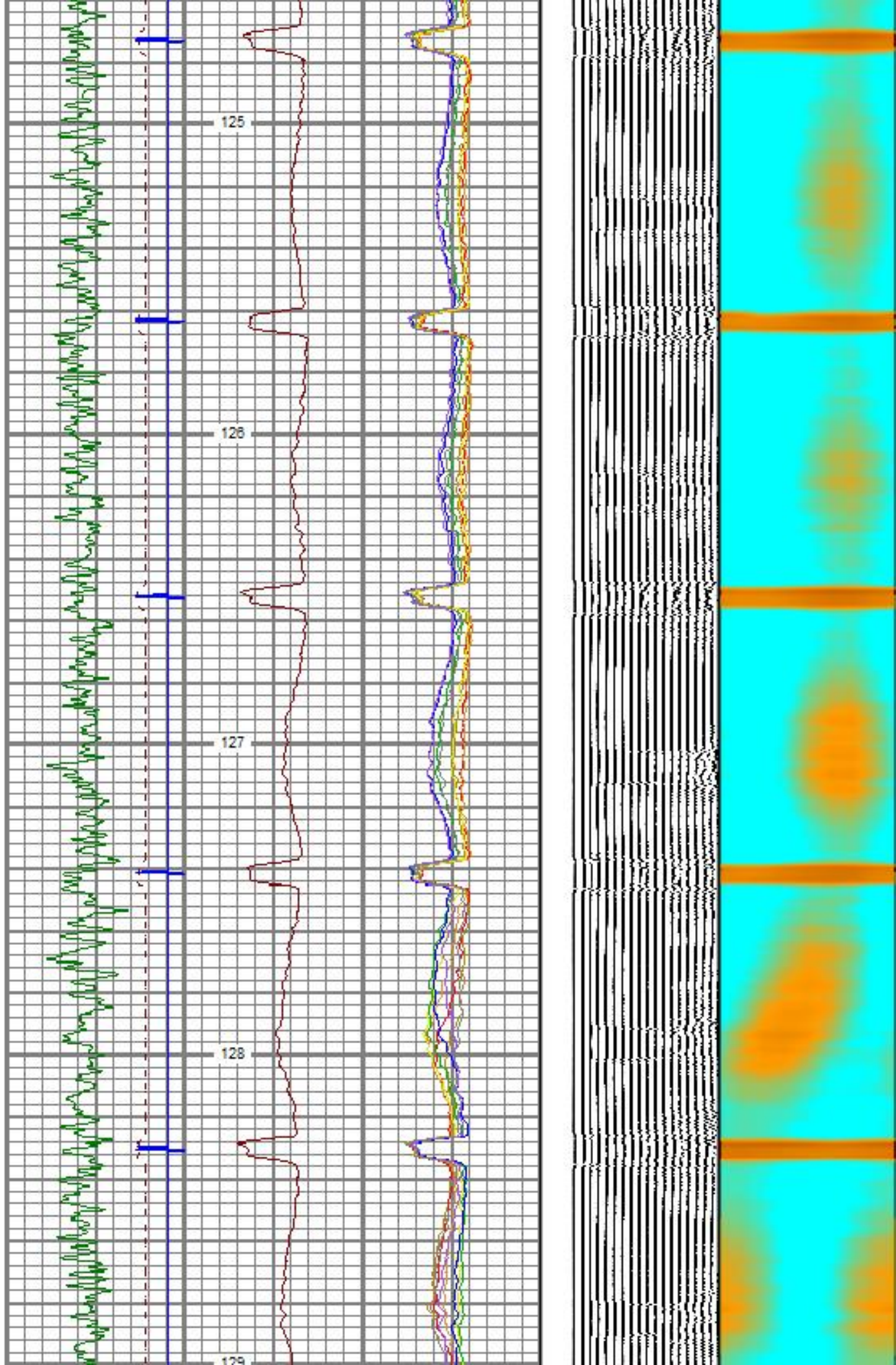
3000





3100

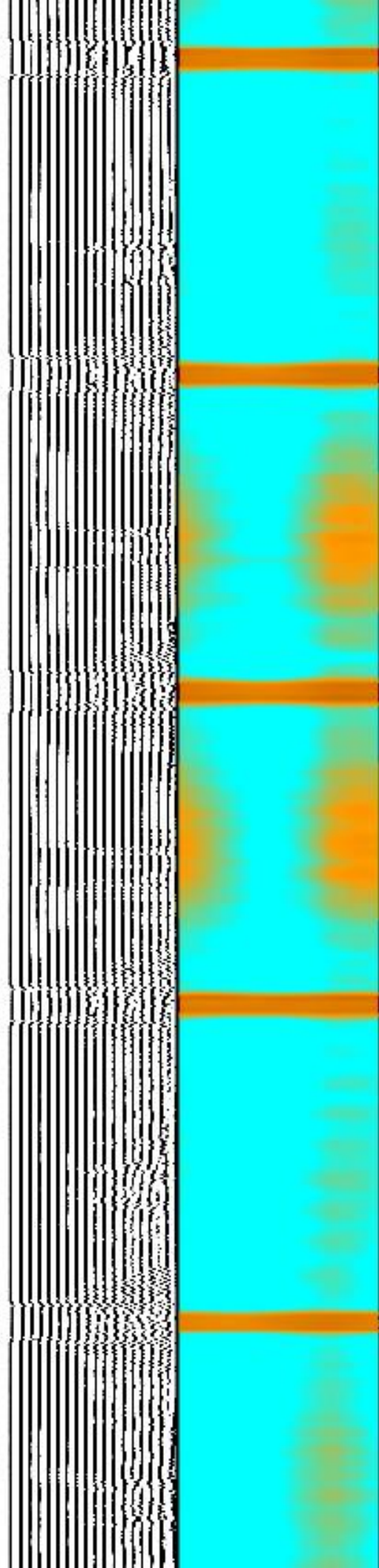
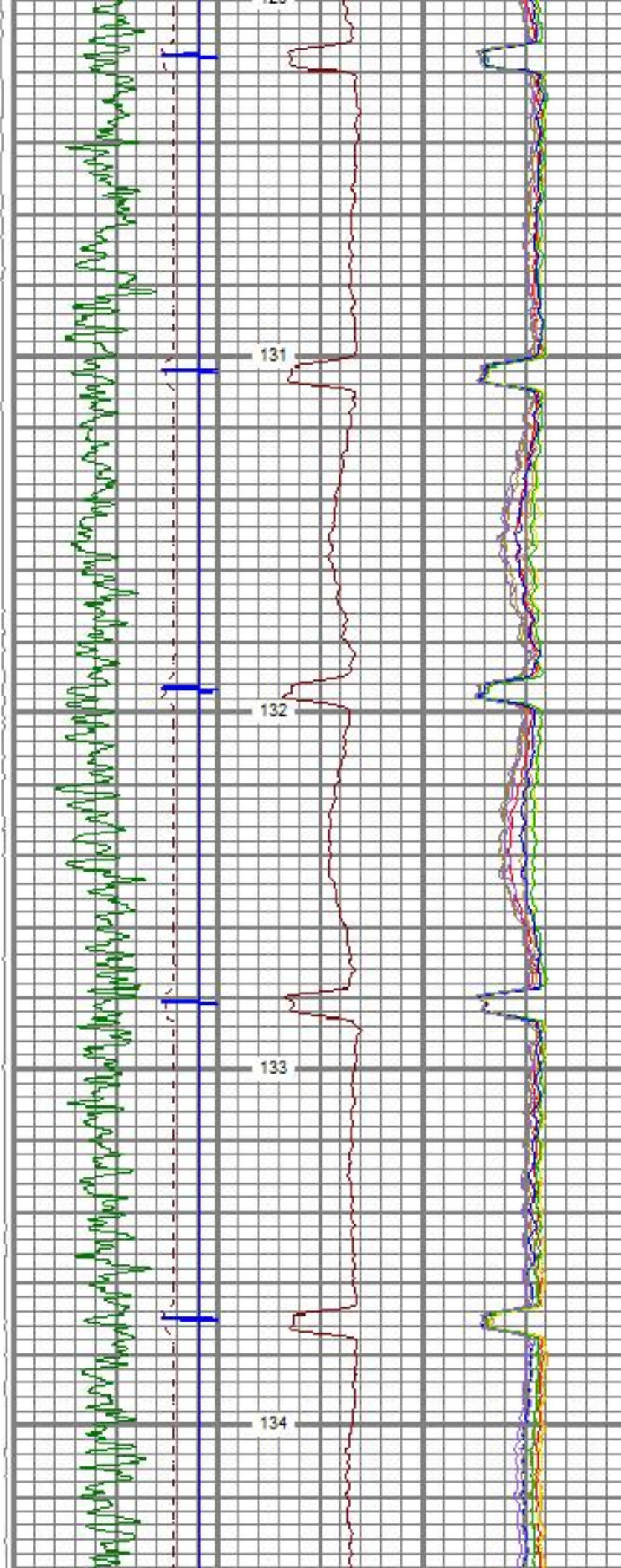
3200





3300

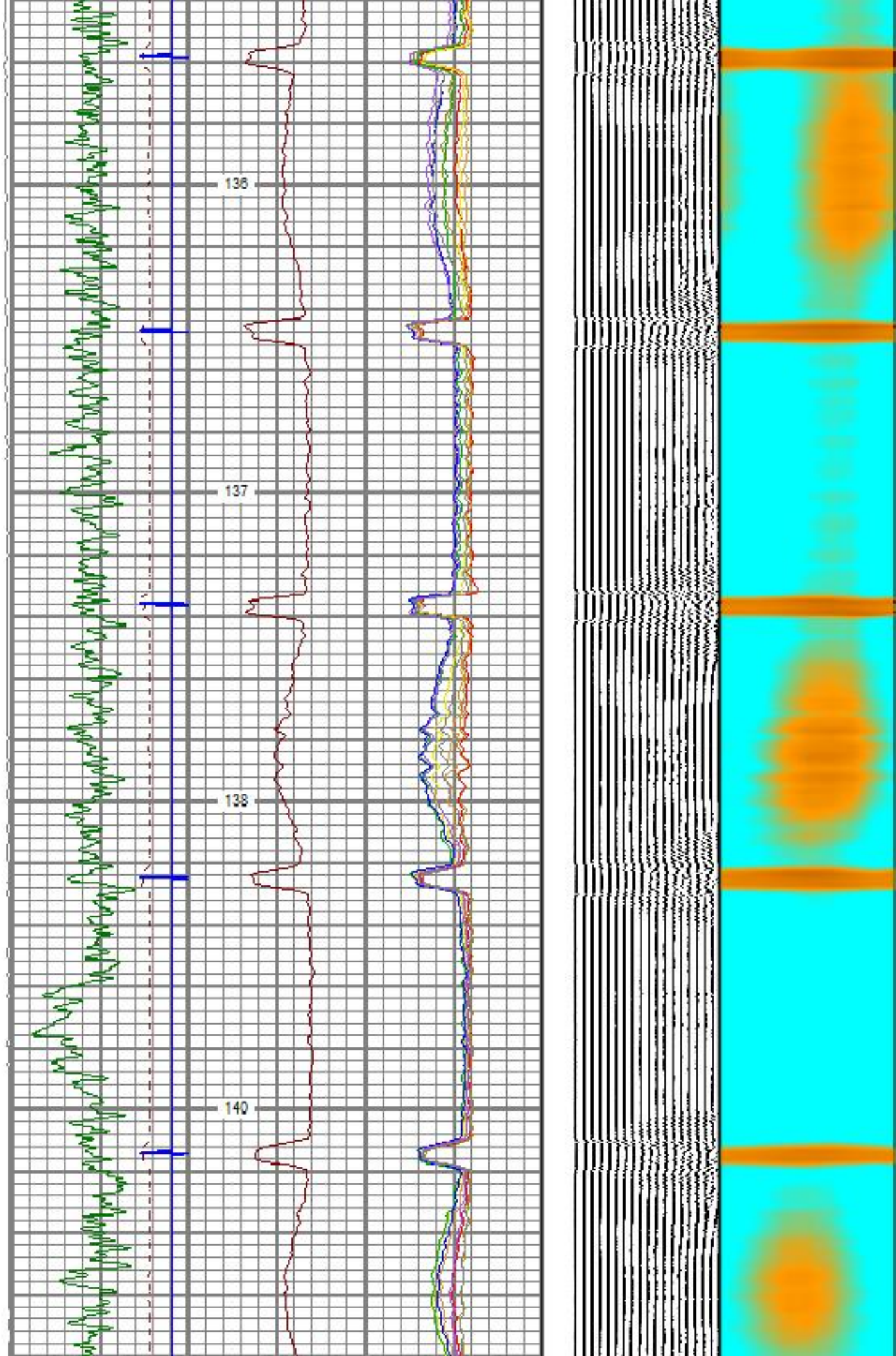
3400





3500

3600





3700

141

143

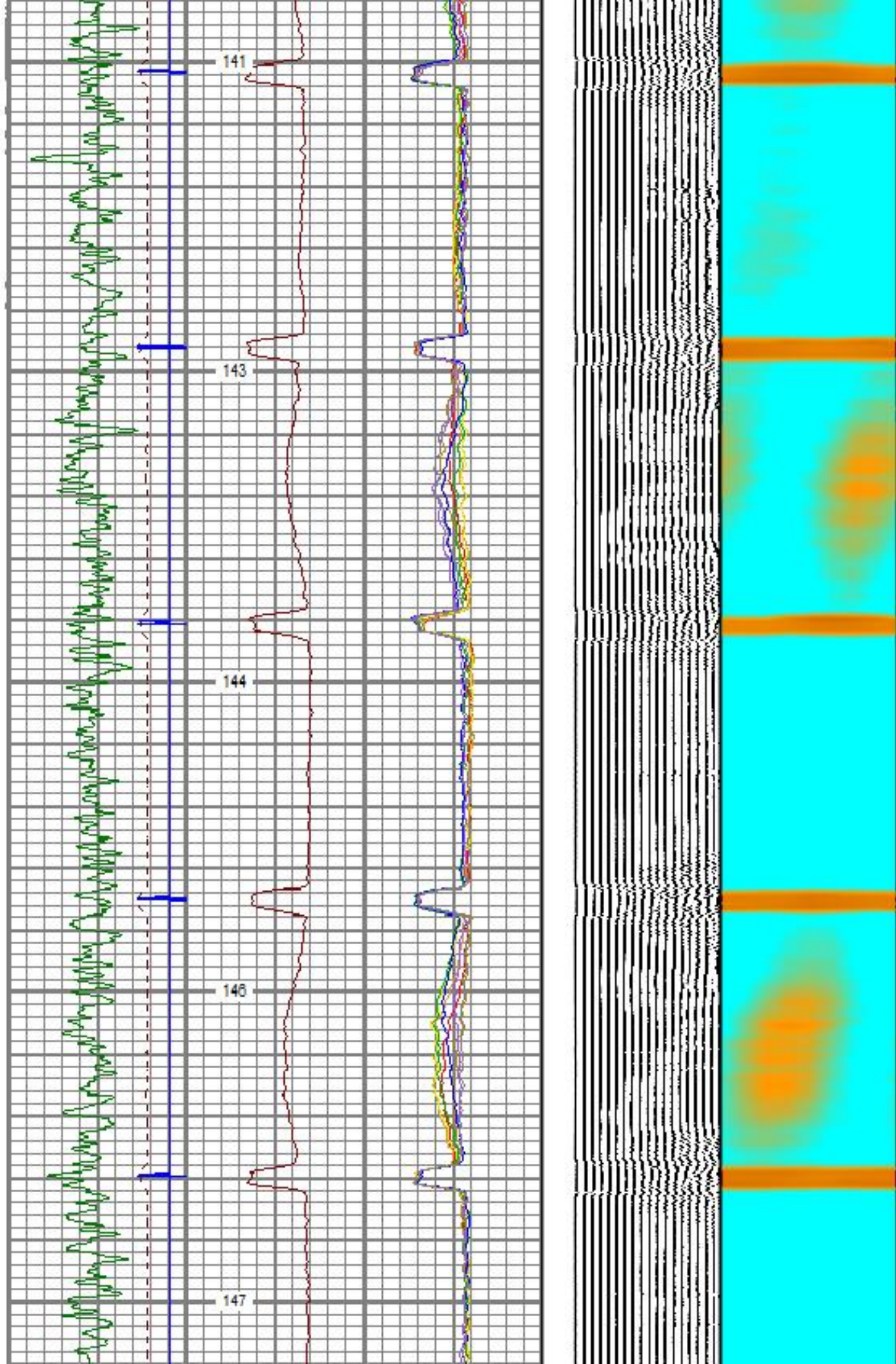
3800

144

146

3900

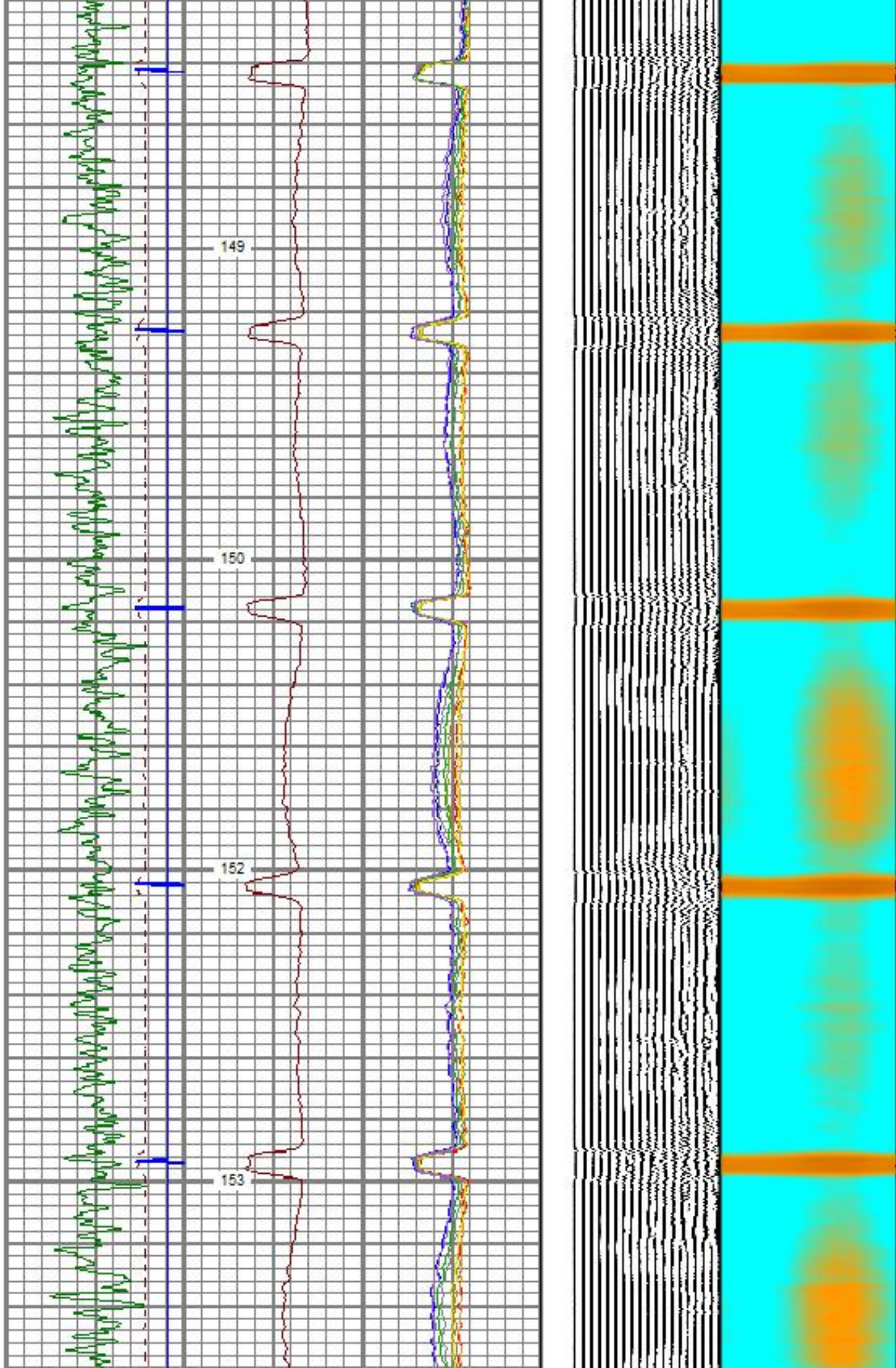
147





4000

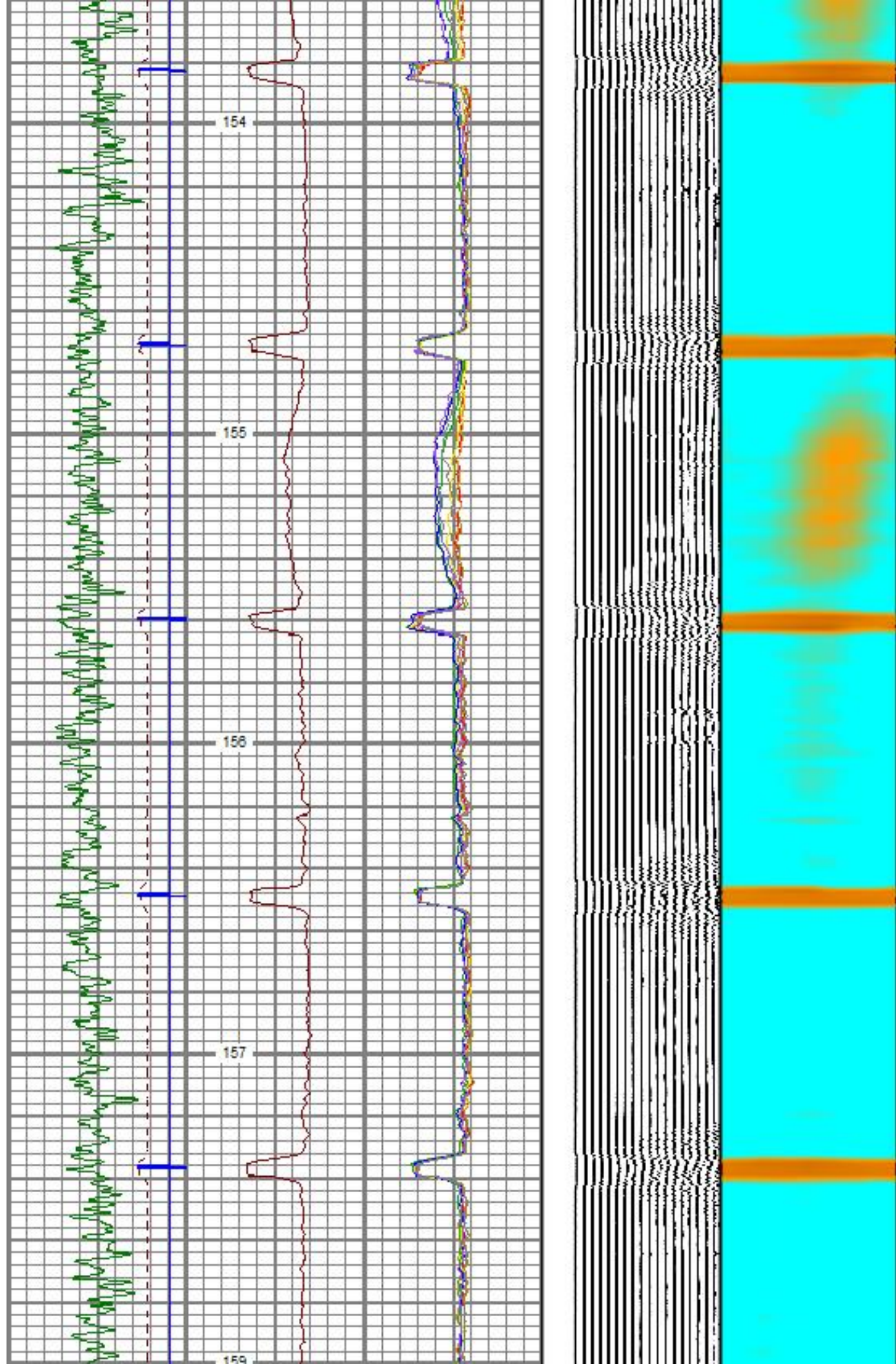
4100





4200

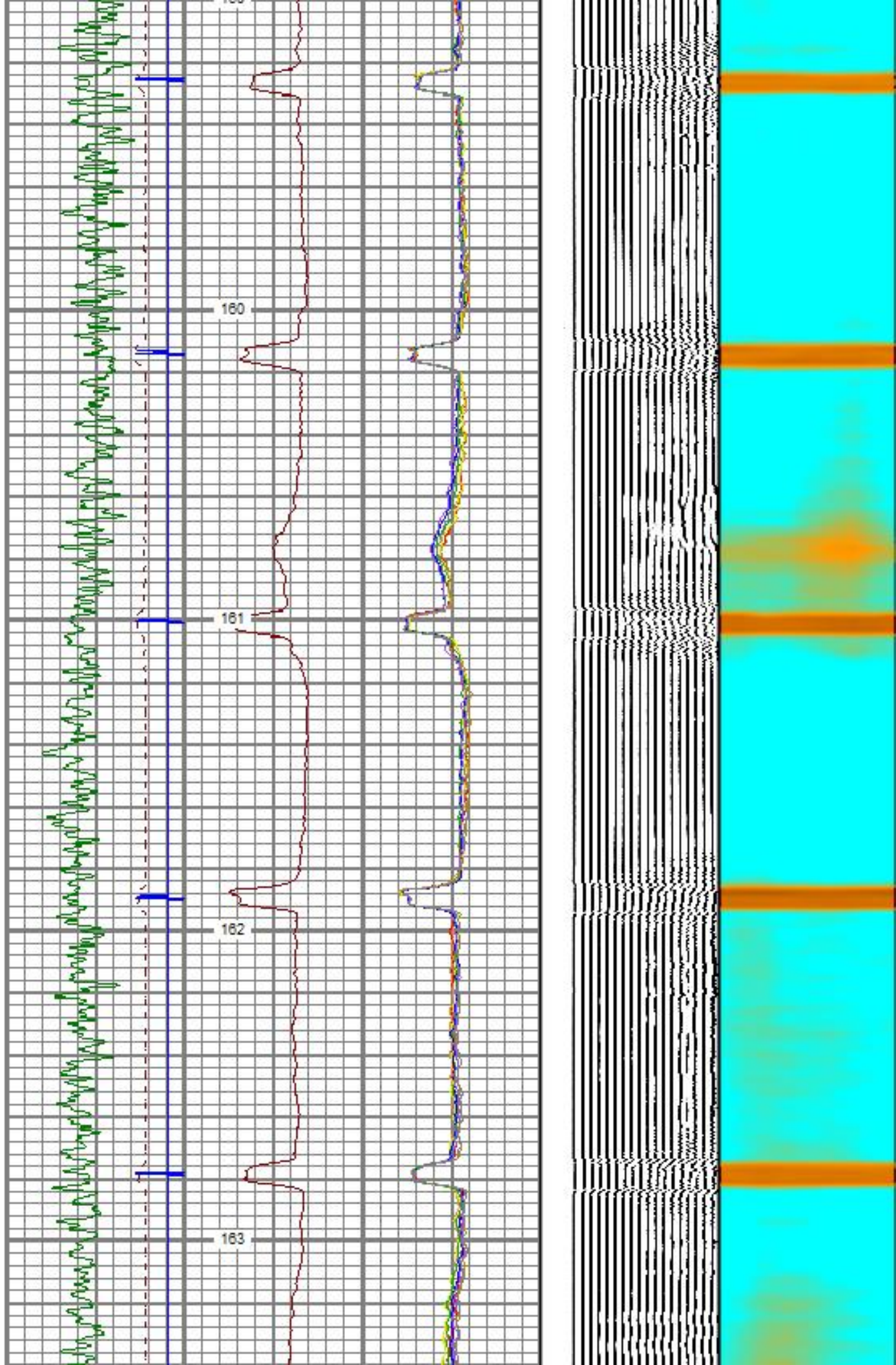
4300





4400

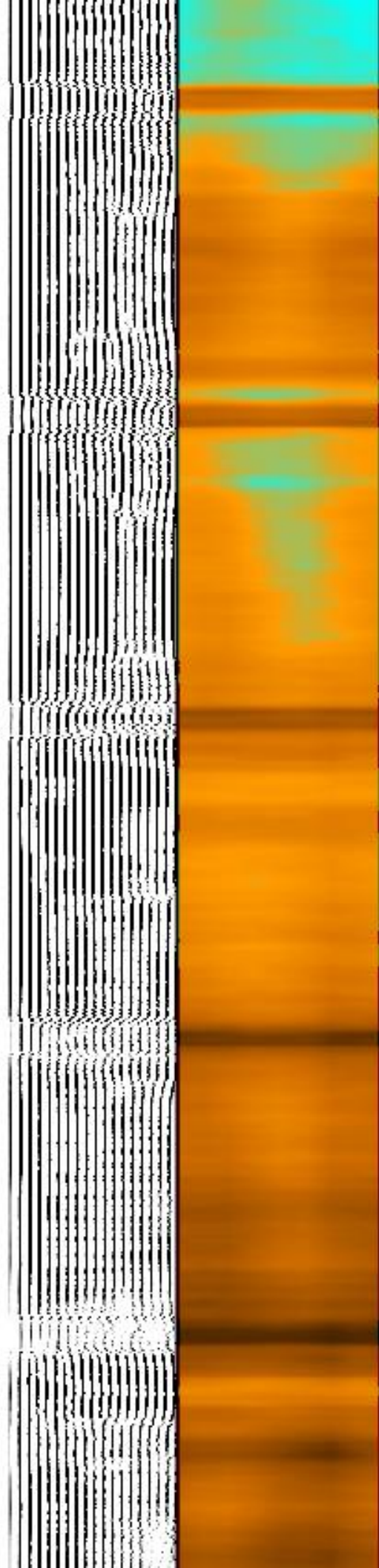
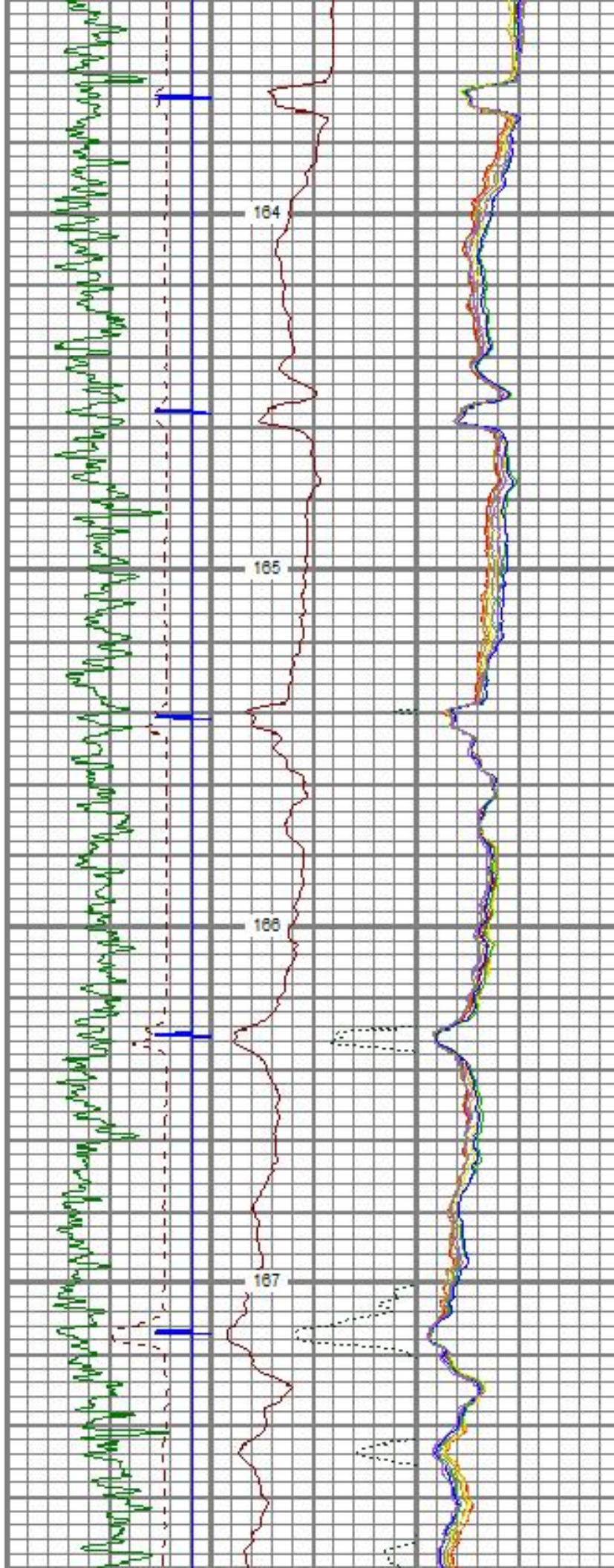
4500



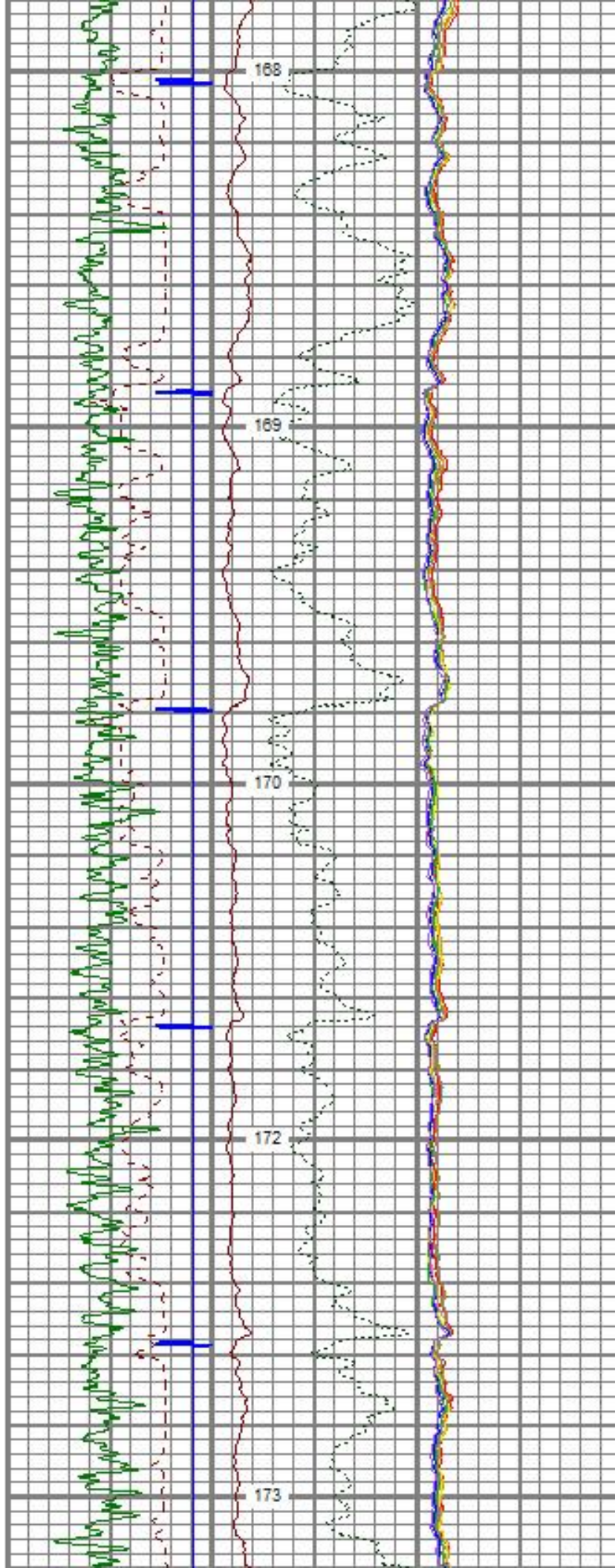


4600

4700



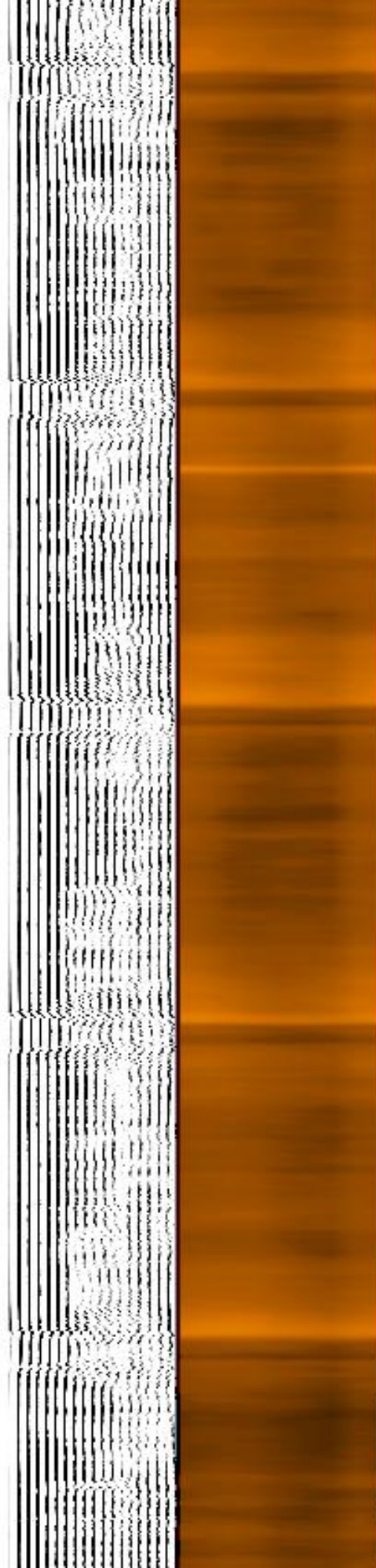
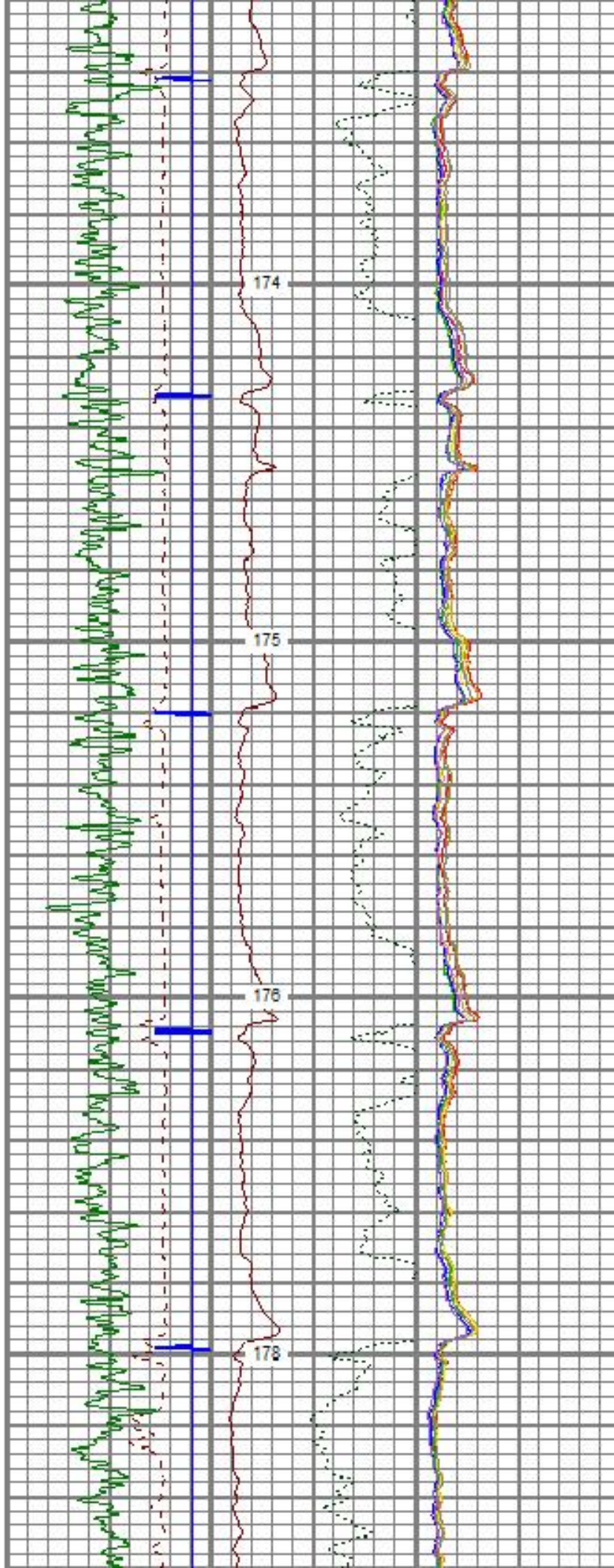




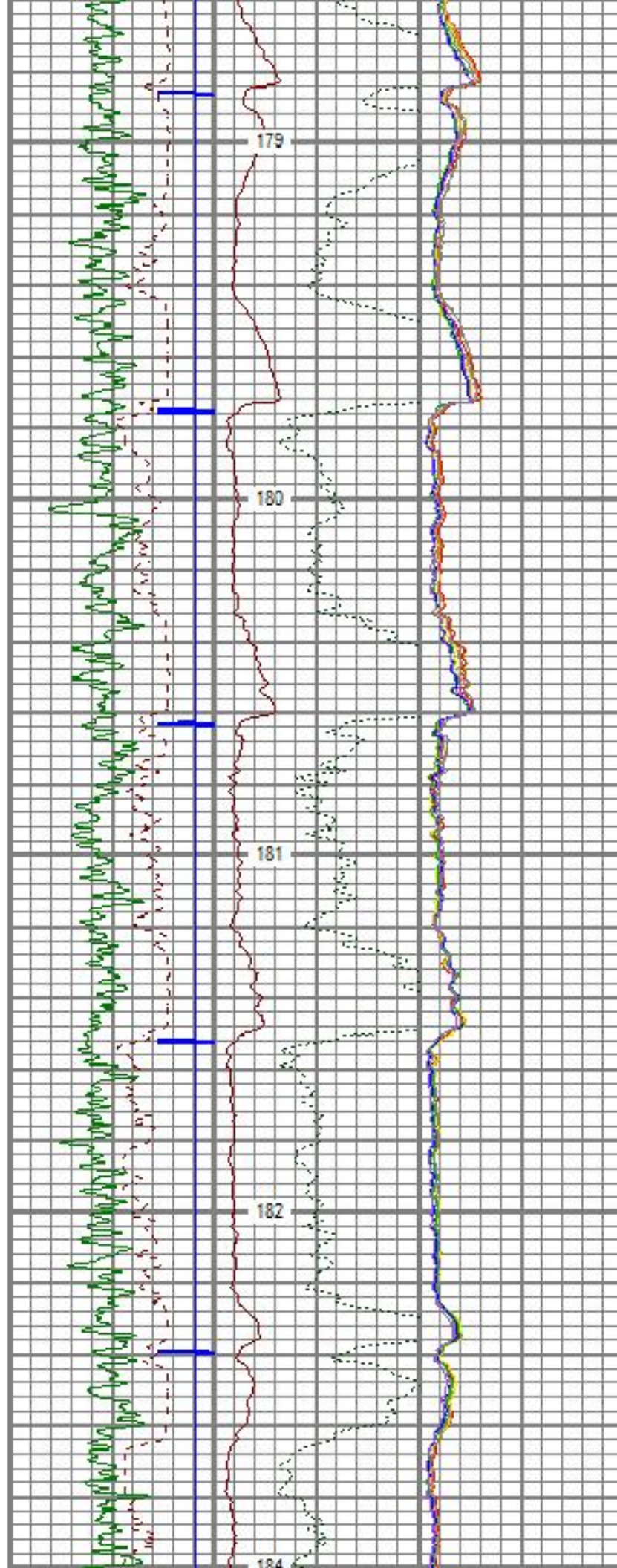


5100

5200



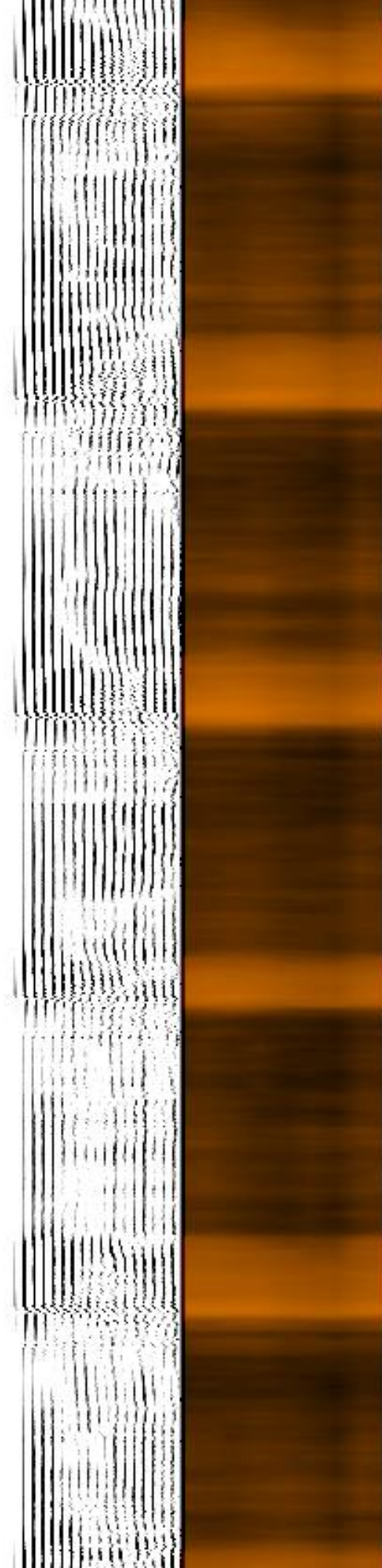
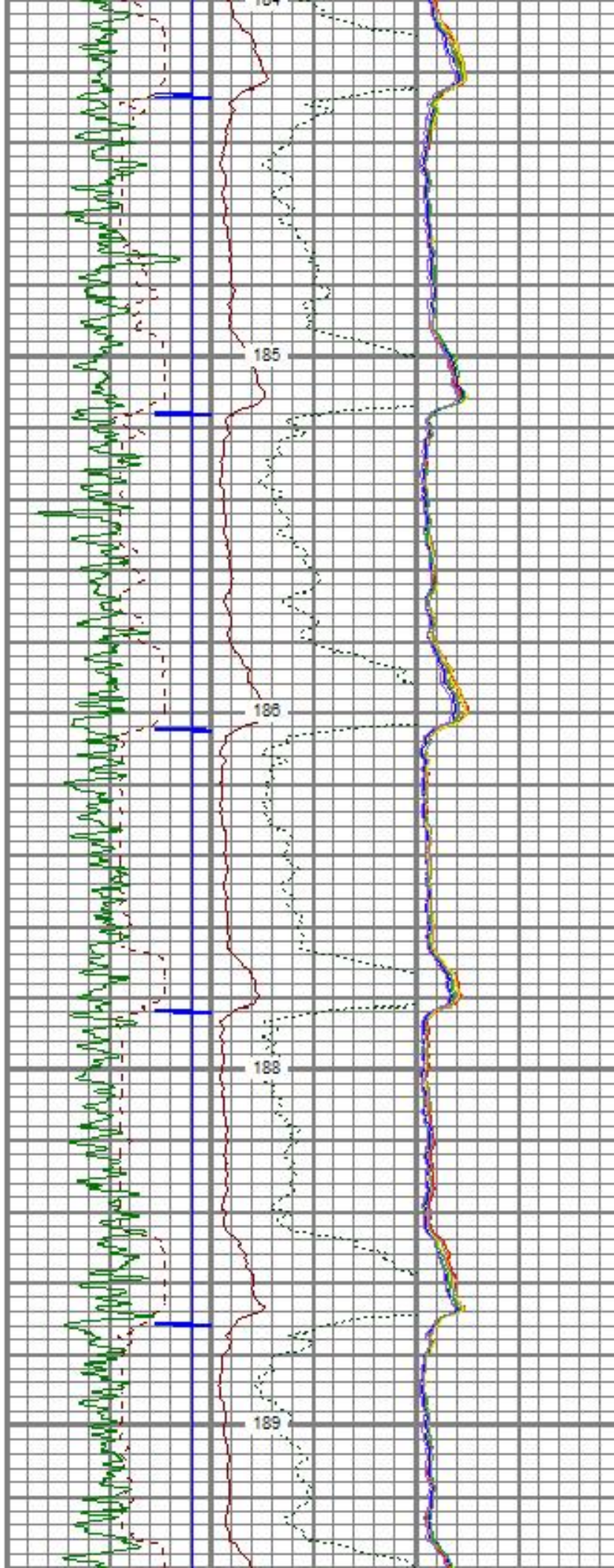






5500

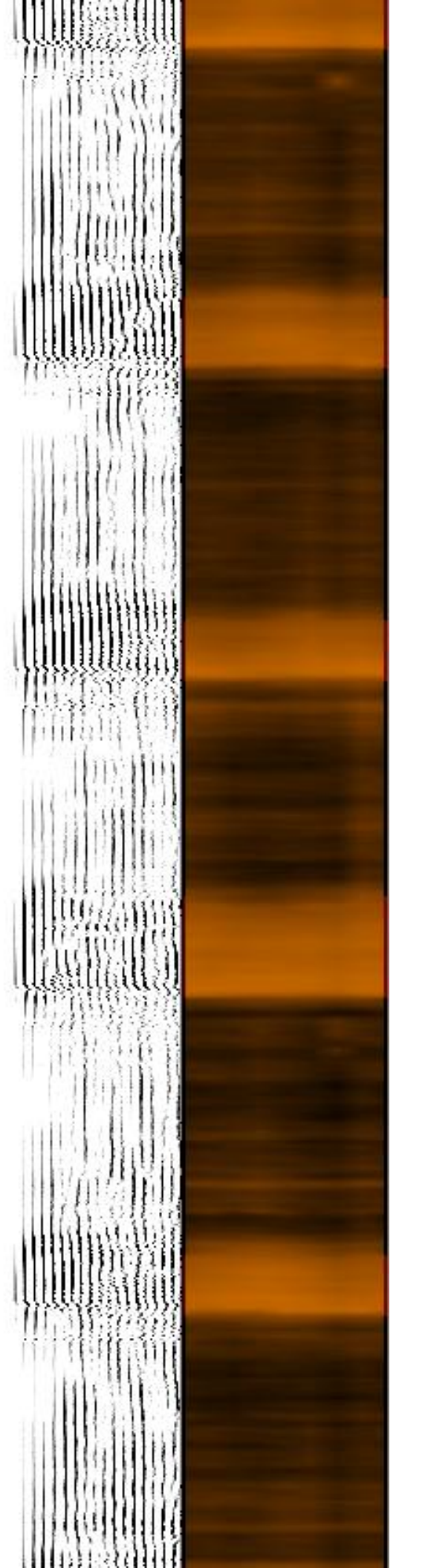
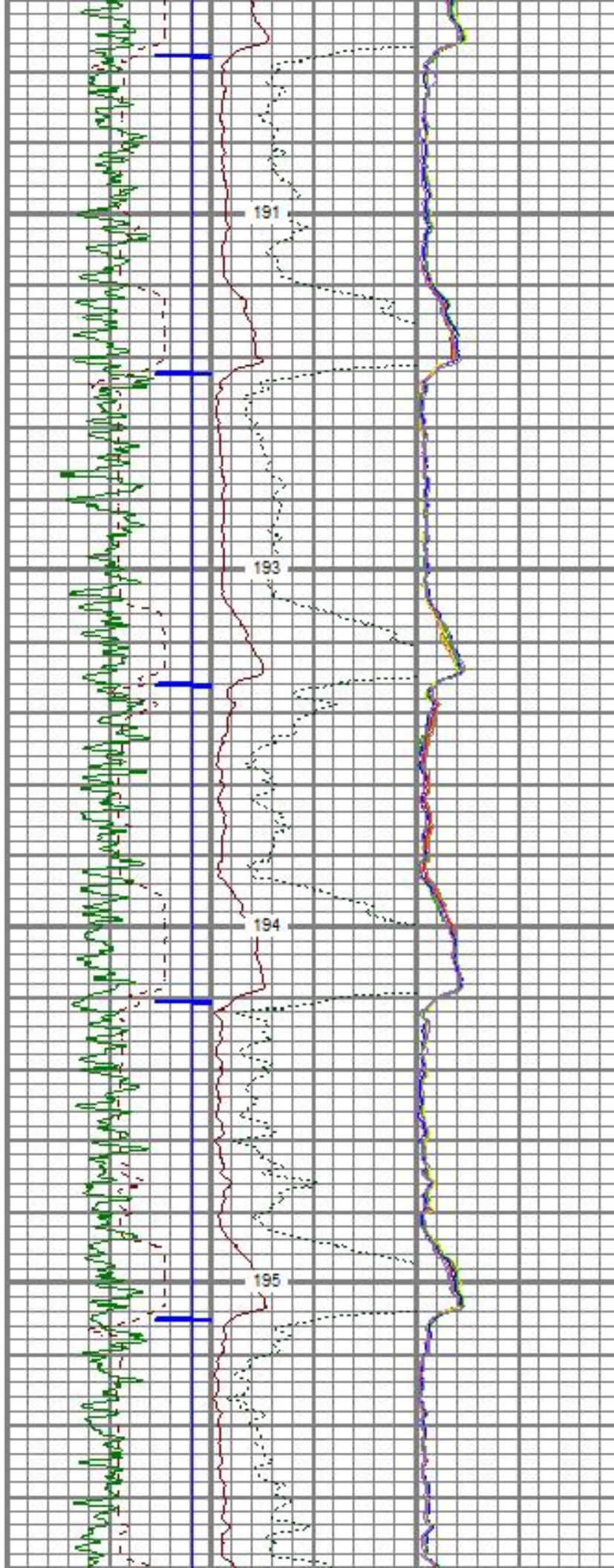
5600





5700

5800





5900

197

198

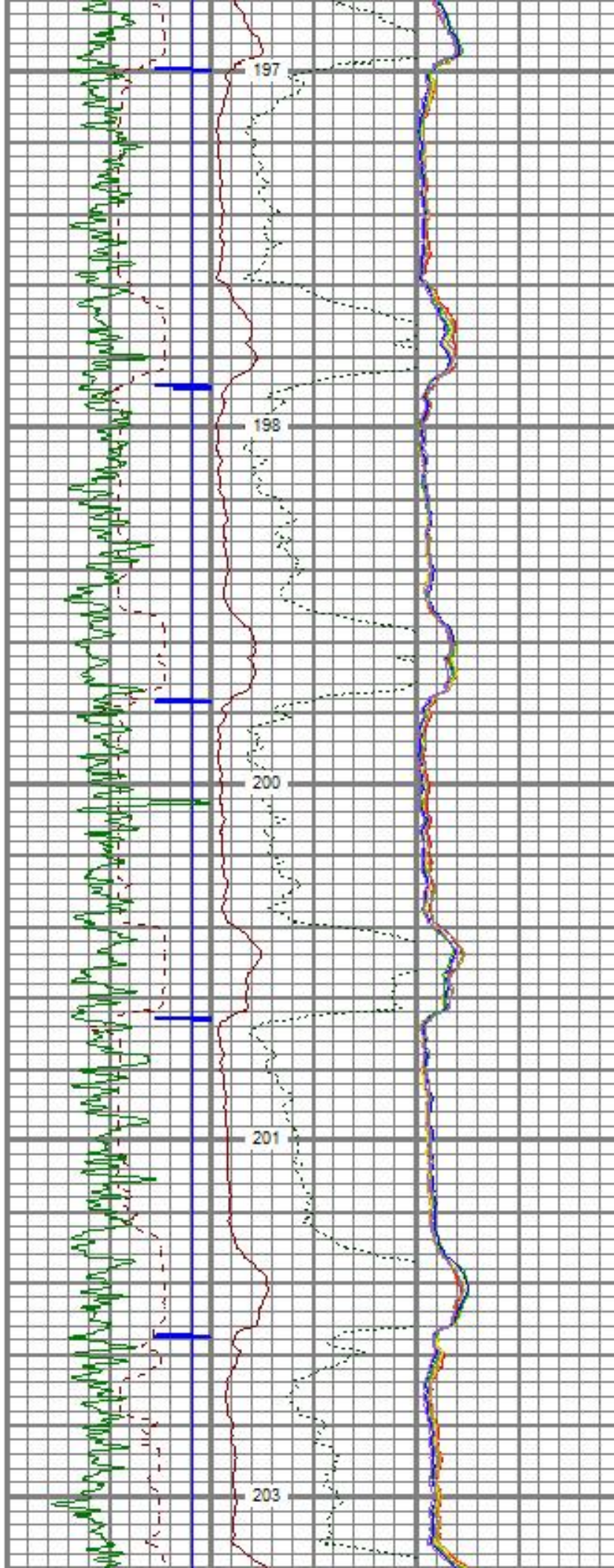
6000

200

201

6100

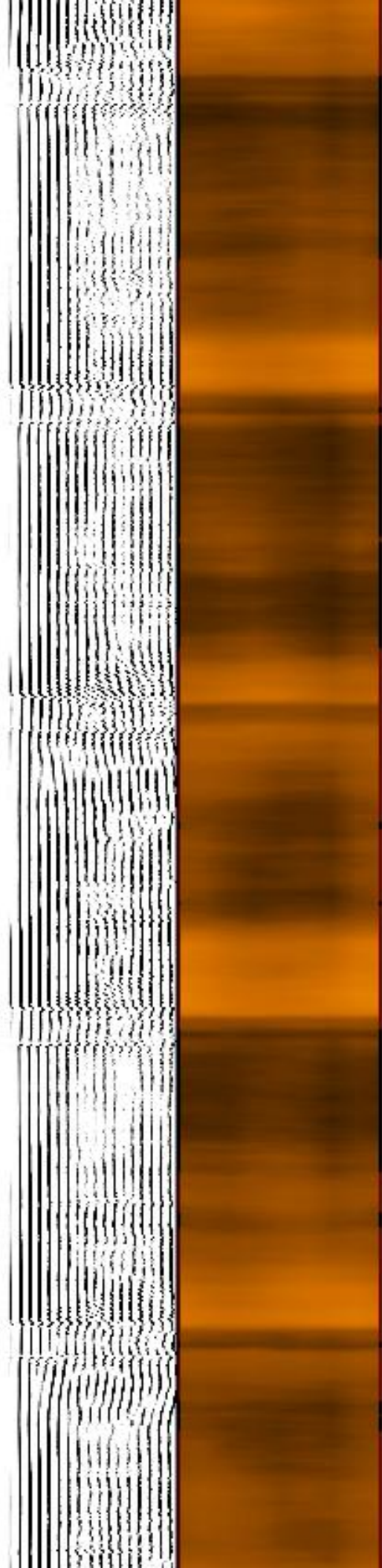
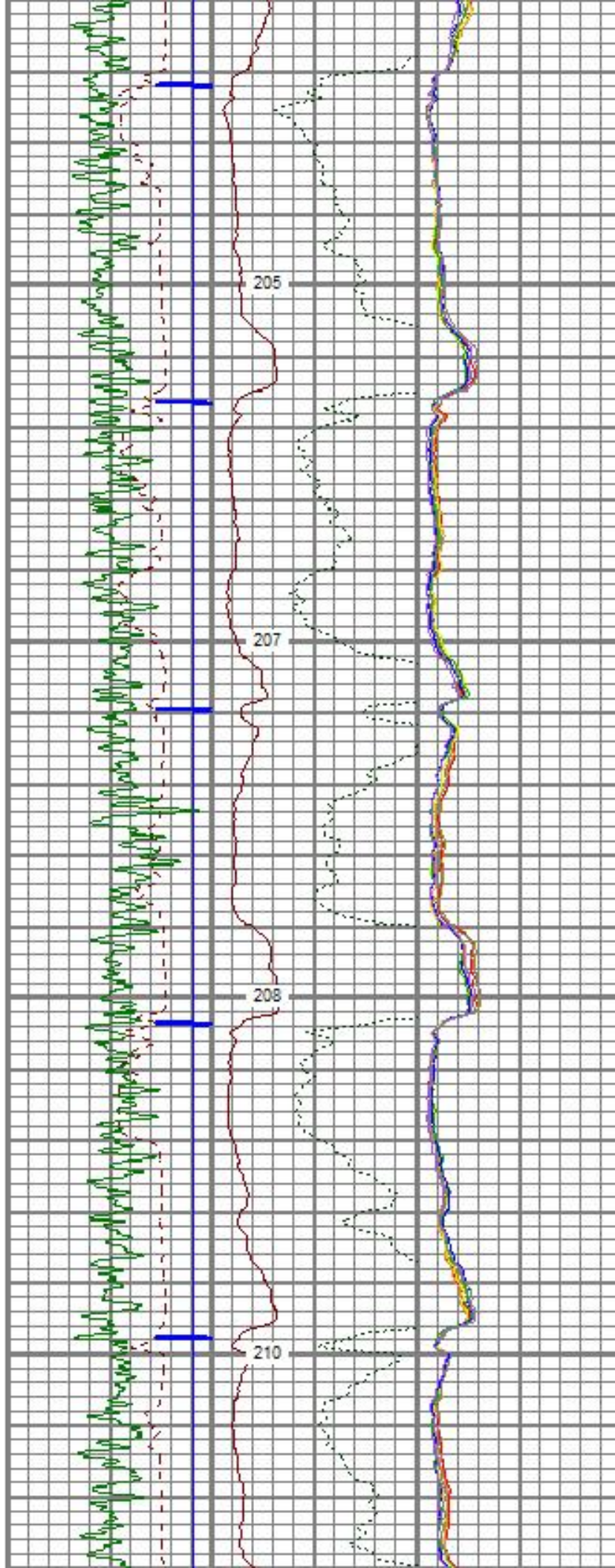
203





6200

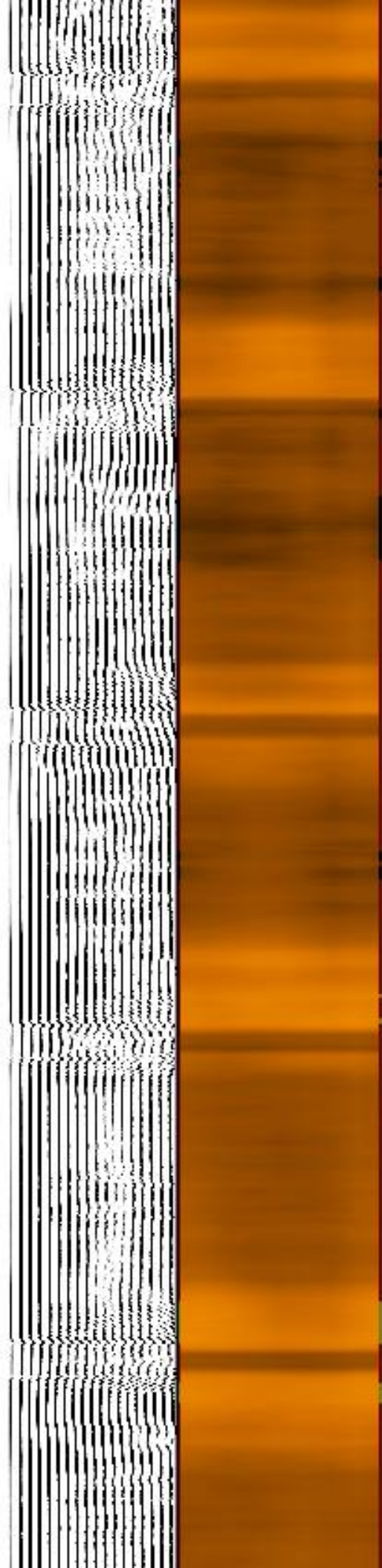
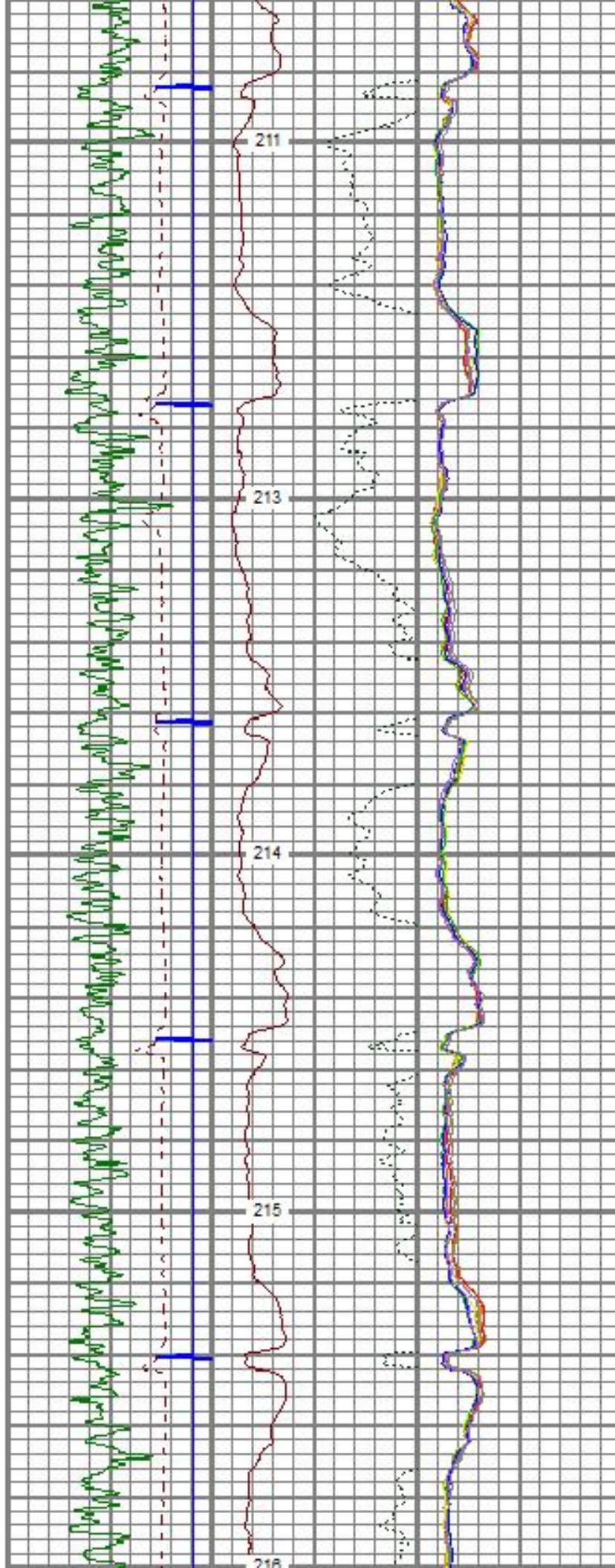
6300





6400

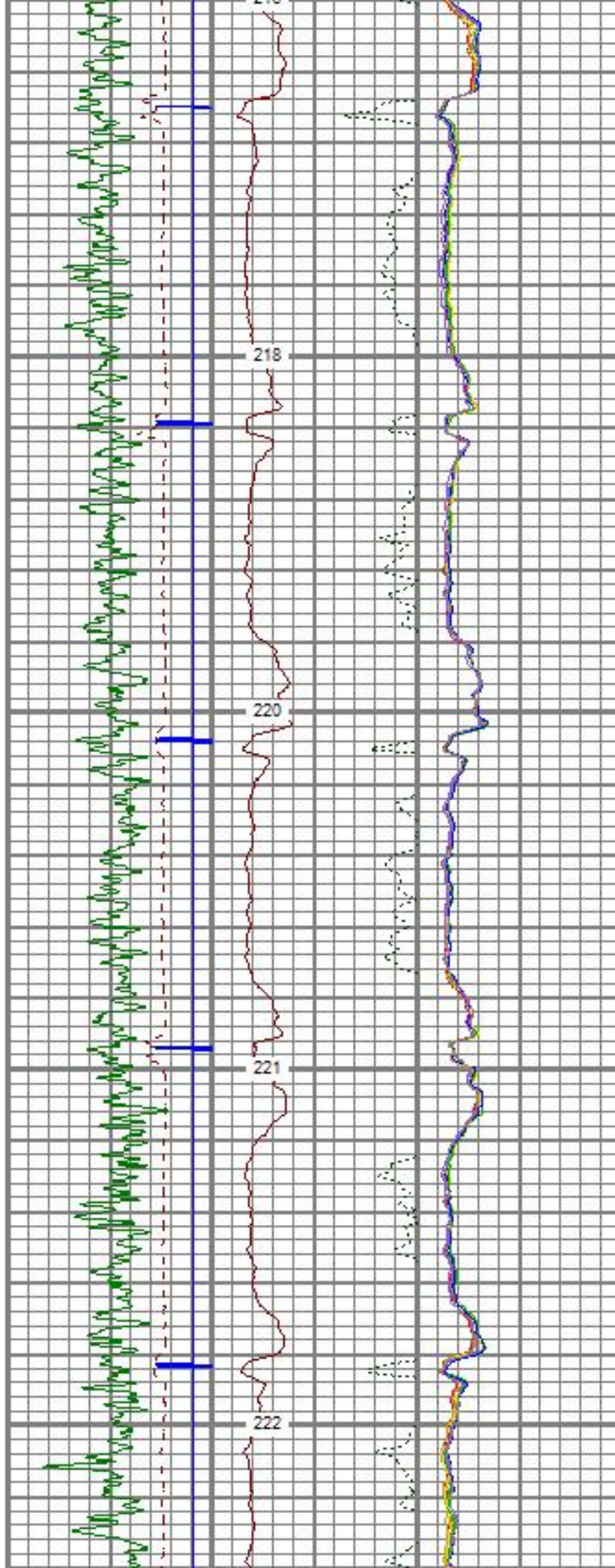
6500





6600

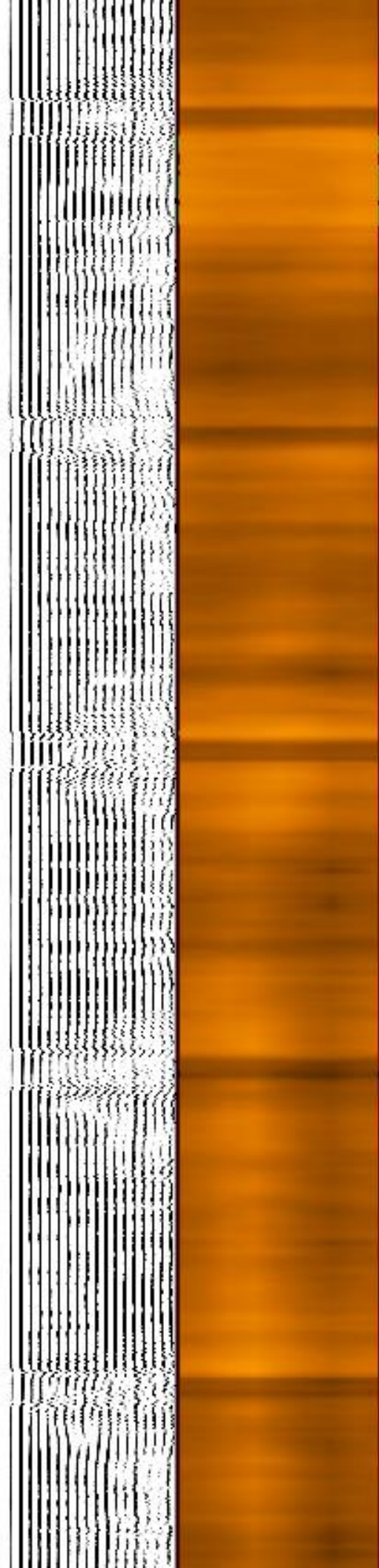
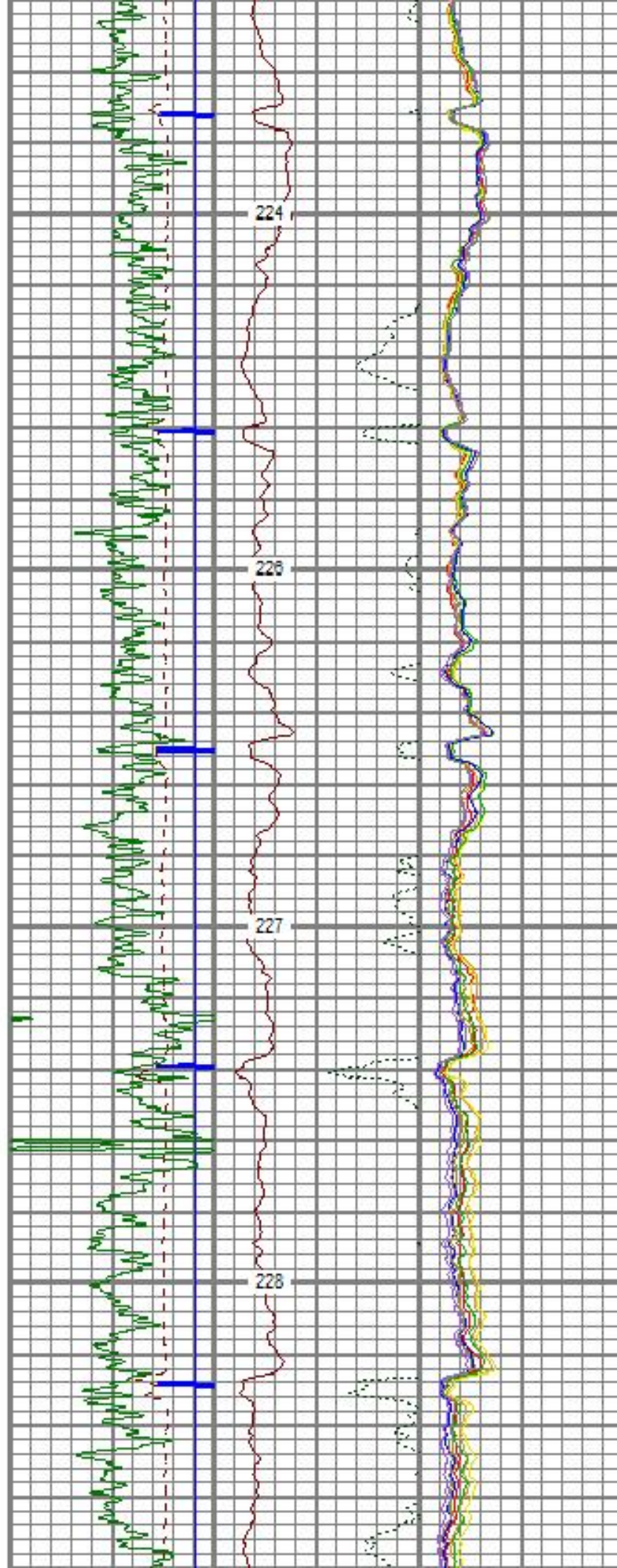
6700





6800

6900

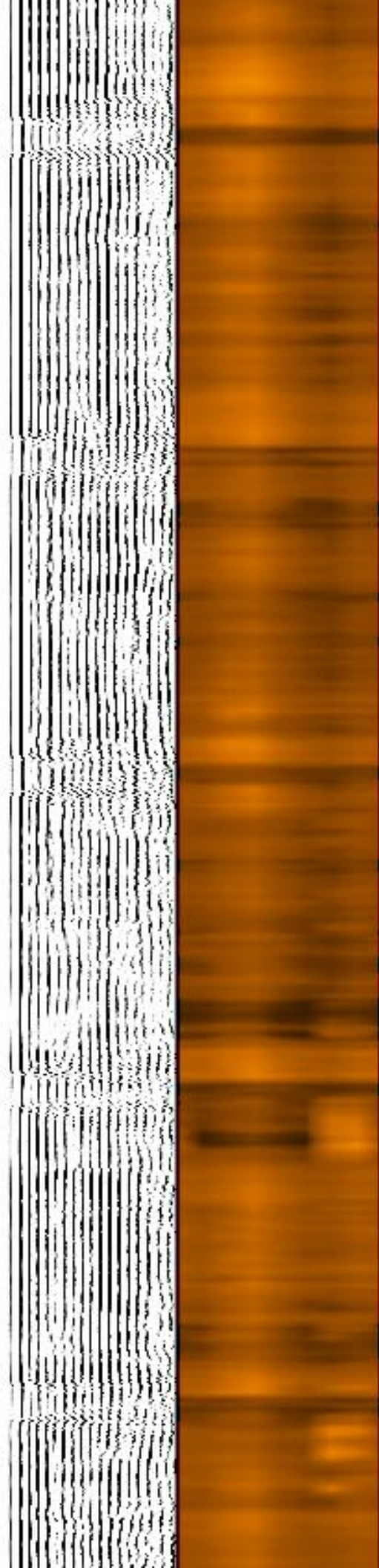
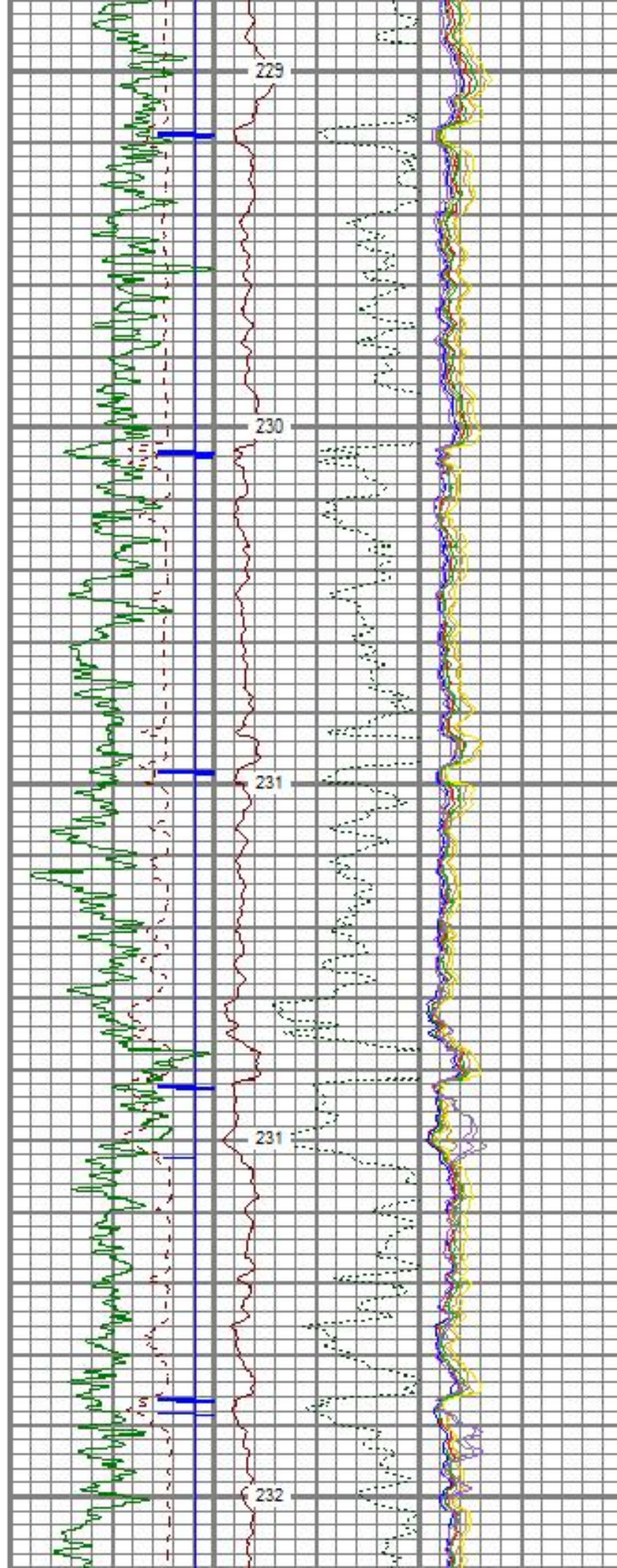




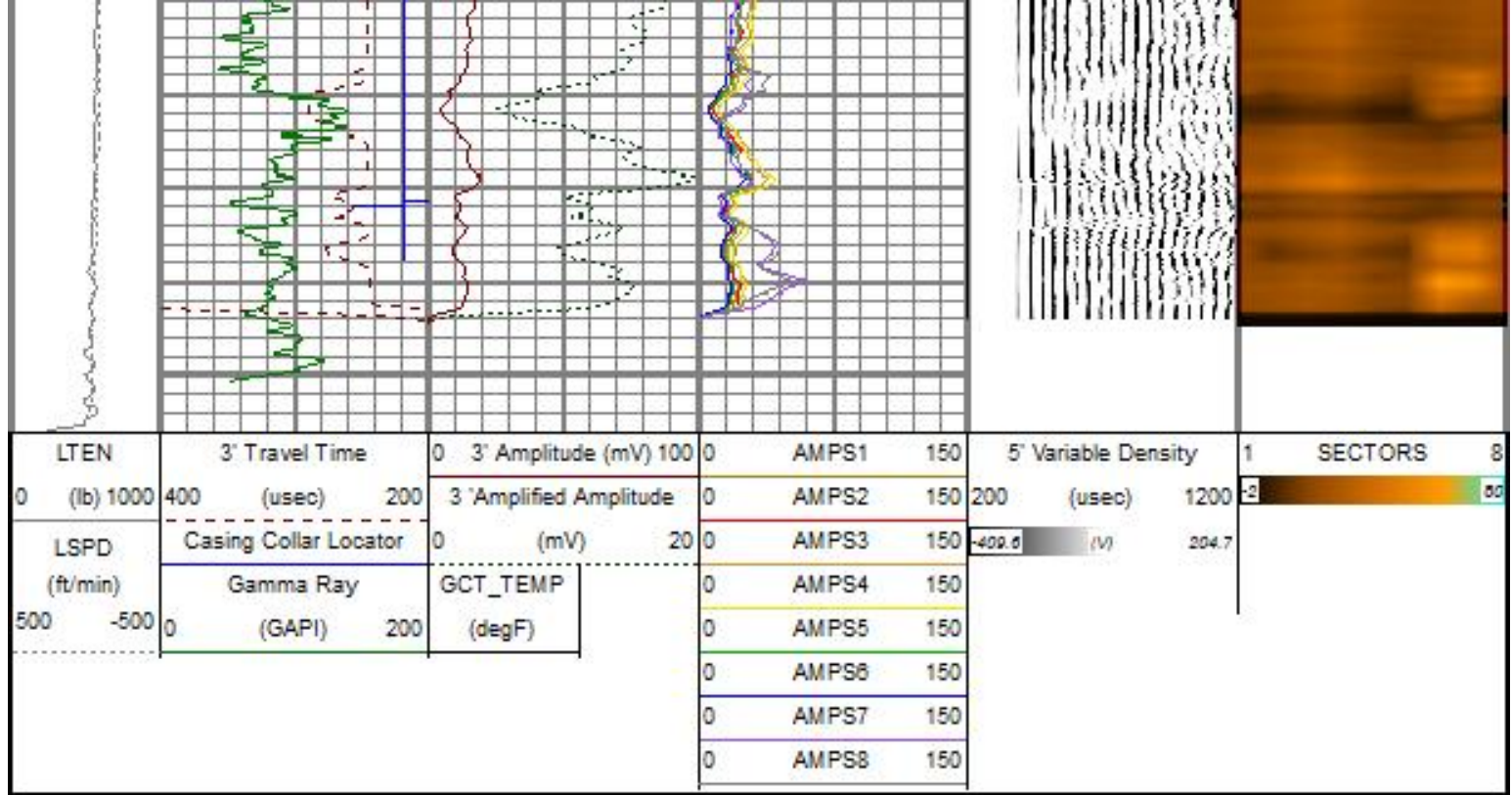
7000

7100

7200







## REPEAT SECTION

Database File 90222\_highpoint\_1724b\_robl.db  
 Dataset Pathname pass2  
 Presentation Format rbl\_all\_8\_2020  
 Dataset Creation Fri Feb 21 14:36:57 2020  
 Charted by Depth in Feet scaled 1:240

