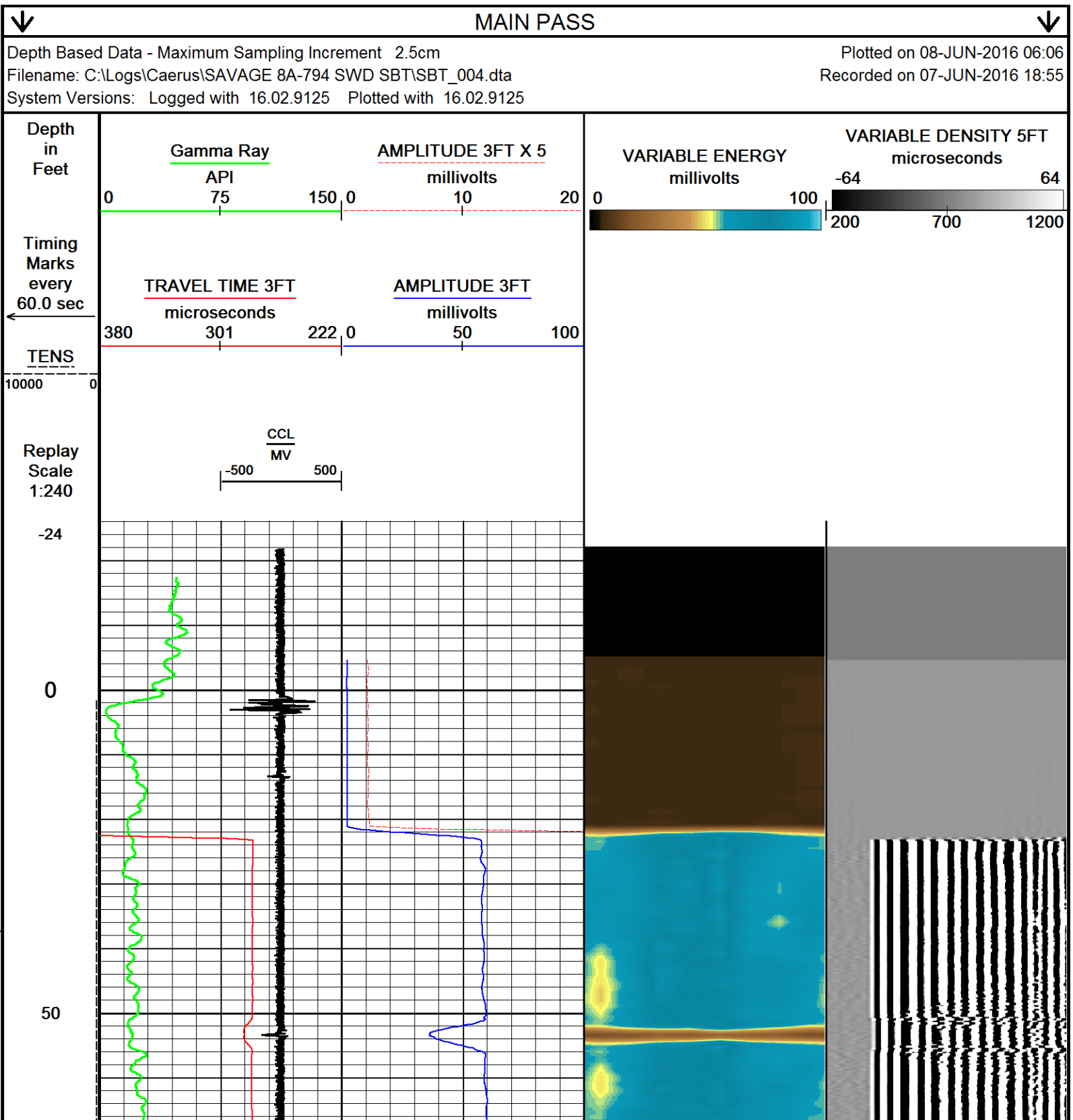
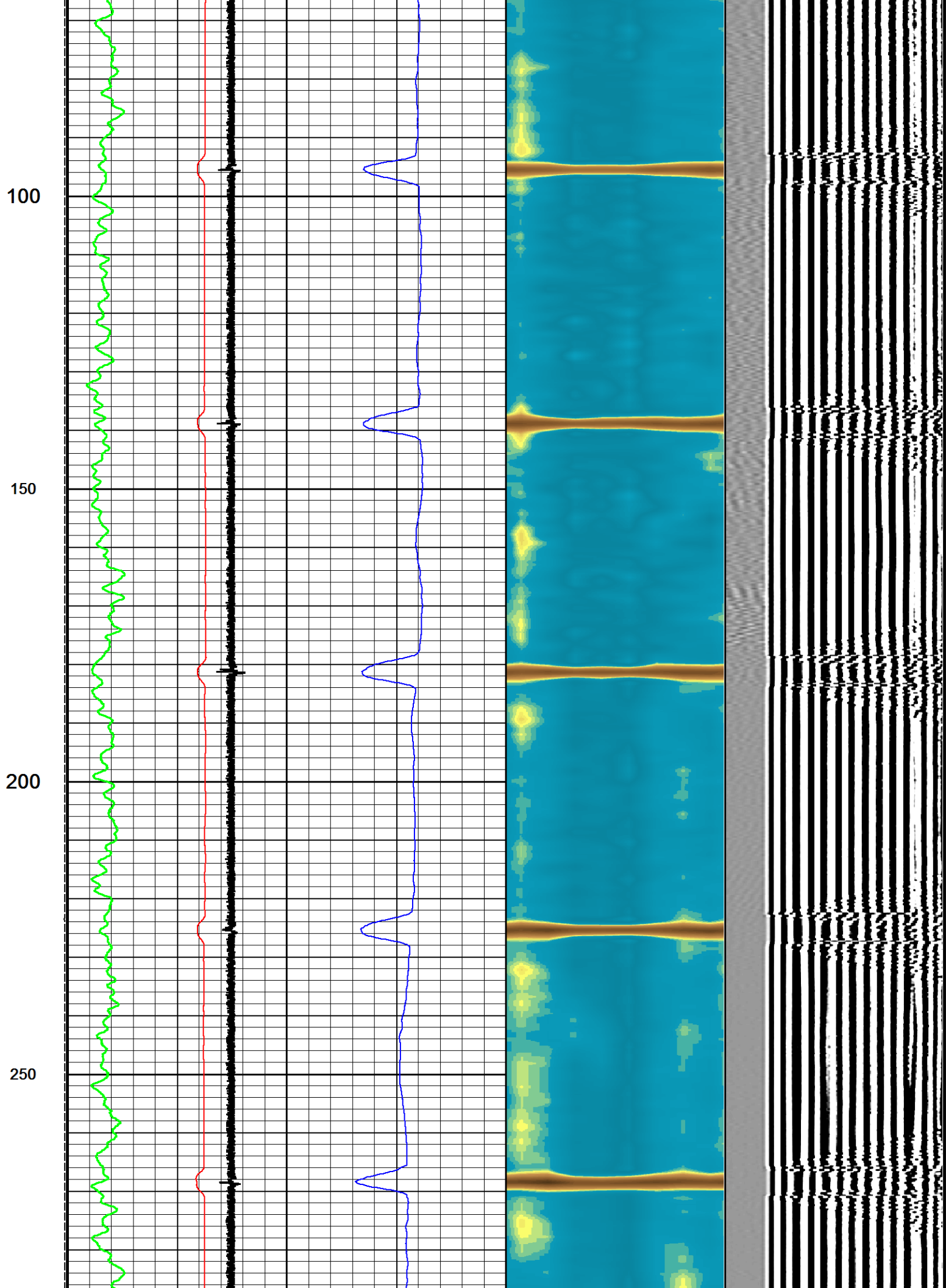
 Weatherford®				SECTOR BOND LOG			
COMPANY CAERUS OIL & GAS LLC WELL SAVAGE 8A-794 SWD FIELD RULISON PROVINCE/COUNTY GARFIELD COUNTRY/STATE USA / COLORADO LOCATION							
SEC 8	TWP 7S	RGE 94W	Other Services CREB				
Latitude							
Longitude							
API Number							
Permanent Datum GROUND LEVEL, Elevation 6466 feet			Elevations:			feet	
Log Measured From KB			KB			6496.00	
Drilling Measured From KB @ 30'			DF			6496.00	
			GL			6466.00	
Date	07-JUN-2016	PERFORATION RECORD					
Run Number	ONE	Shot	Number	Depth From	Depth To		
Service Order	152542957	Density	of Shots	feet	feet		
Type Log	SBT						
Depth Driller	5961.20						
Depth Logger	5930.00						
Top Log Interval	0.00						
Bottom Log Interval	5926.00						
Hole Fluid Type	WATER BASED						
Hole Fluid Level	0.00						
Restriction ID	6.151						
Max Recorded Temp	165.00						
Well Head Pressure	0.00						
Well Head Equipment	N/A						
Time Well Ready	R.O.A.	Size	Weight	Depth From	Depth To		
Time Logger Bottom	0840	inches	pounds/ft	feet	feet		
Unit	14338	9.625	36.00	0.00	2503.40		
Equipment Name	WSSE	7.000	26.00	0.00	5961.20		
Base	CASPER						
Recorded By	P. MAZUR						
Witnessed By	NOT WITNESSED						

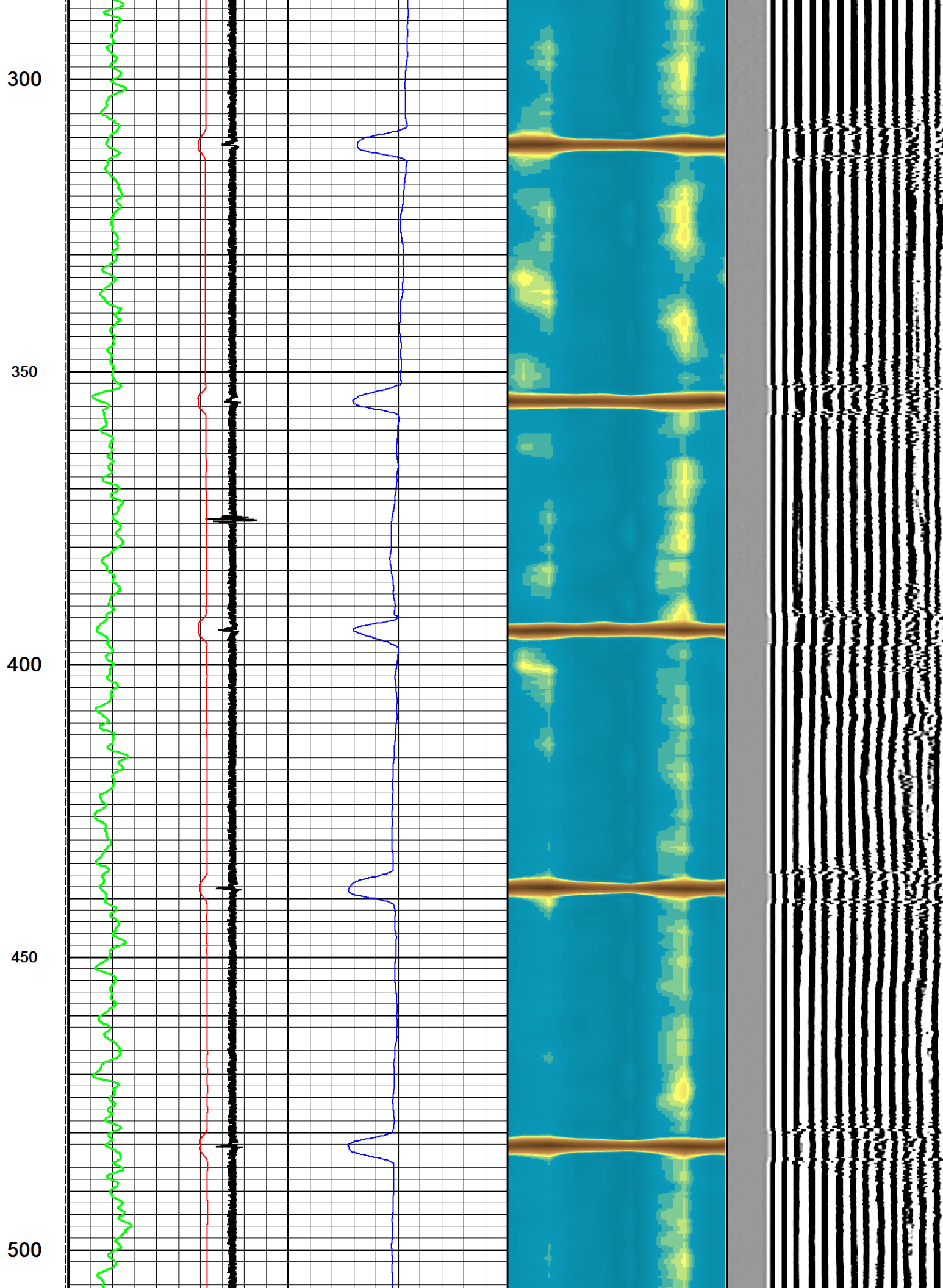
CASING / TUBING RECORD						
Type	Grade	TypeJoint	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
	J-55		9.625	0.00	2503.40	36.00
	L-80		7.000	0.00	5961.20	26.00

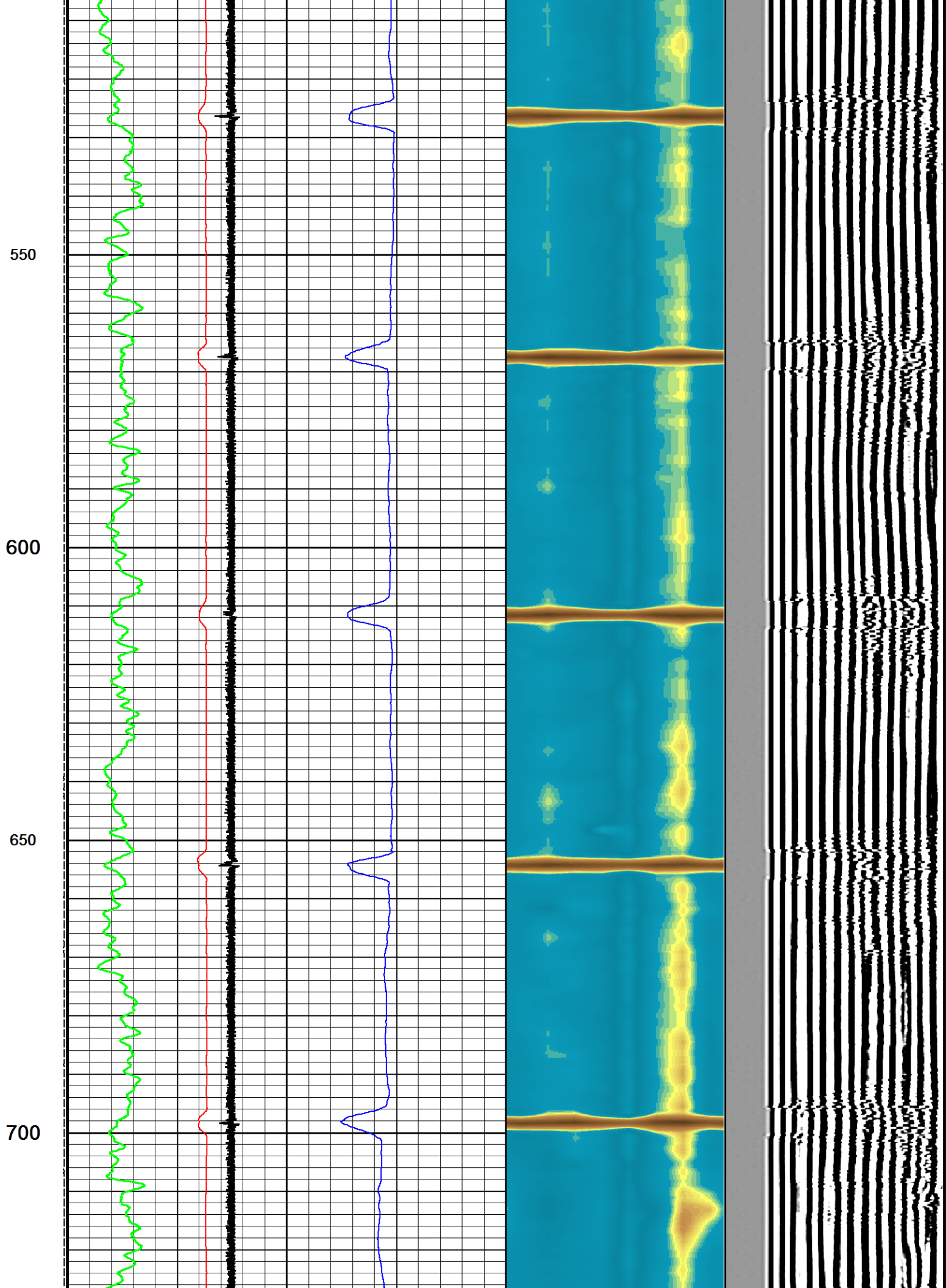
REMARKS
SOFTWARE VERSION 16.02.9125 - BETA VERSION
ALL DEPTH CONTROL PROCEDURES FOR SUBSEQUENT RUN IN HOLE WERE FOLLOWED. LOG RUN FROM 30' K.B.
SURFACE SYSTEM USED: WCM-D 378
TOOLS RUN: CENA, CTBA, GRBA, CENB, SBTA, CENC WERE RAN IN COMBINATION
PREDICTED 3' AMPLITUDE FOR 7" WITH 26.0 LB/FT CASING: 62 mv
FREE PIPE CALIBRATION DONE AT 2725 FT
UNKNOWNEN CEMENT CLASS DUE MISSING DATA FROM CLIENT
UNKNOWNEN CEMENT JOB ENDED TIME DUE TO MISSING DATA FROM CLIENT
BOTTOM HOLE TEMPERATURE WAS DEG. 165F
CREW: PAUL MAZUR, AARON ALLRED, JAMES BARNETT

In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.







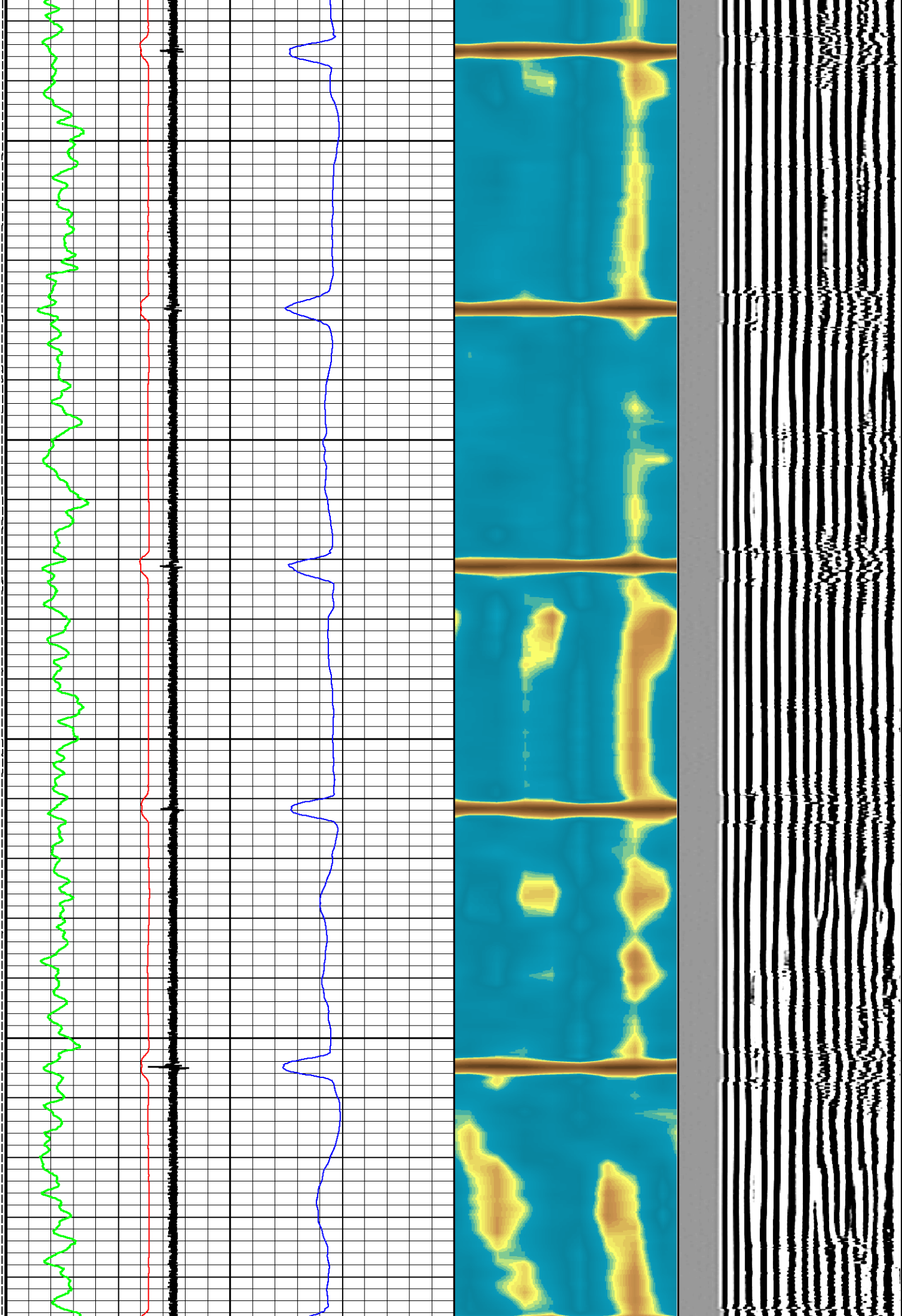


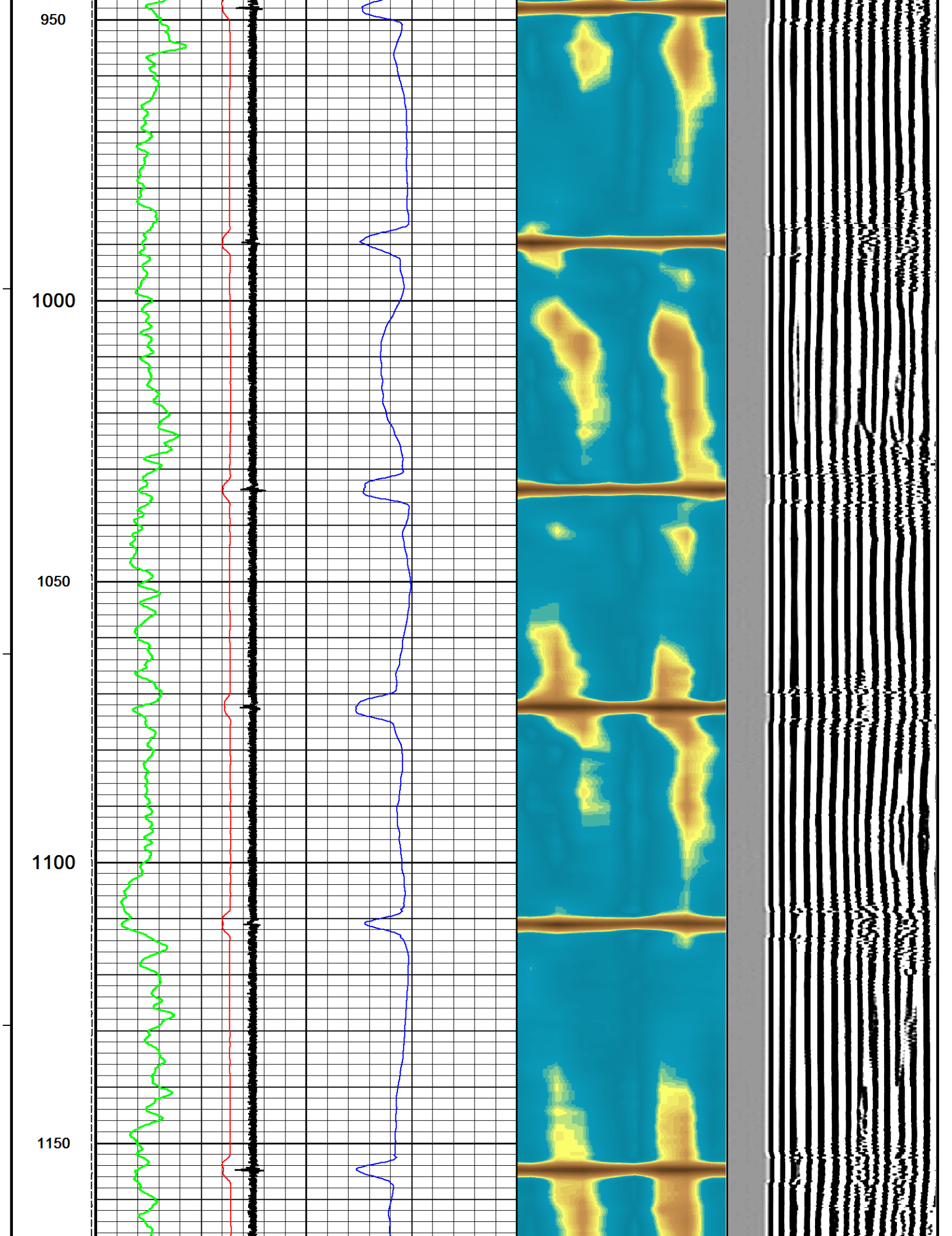
750

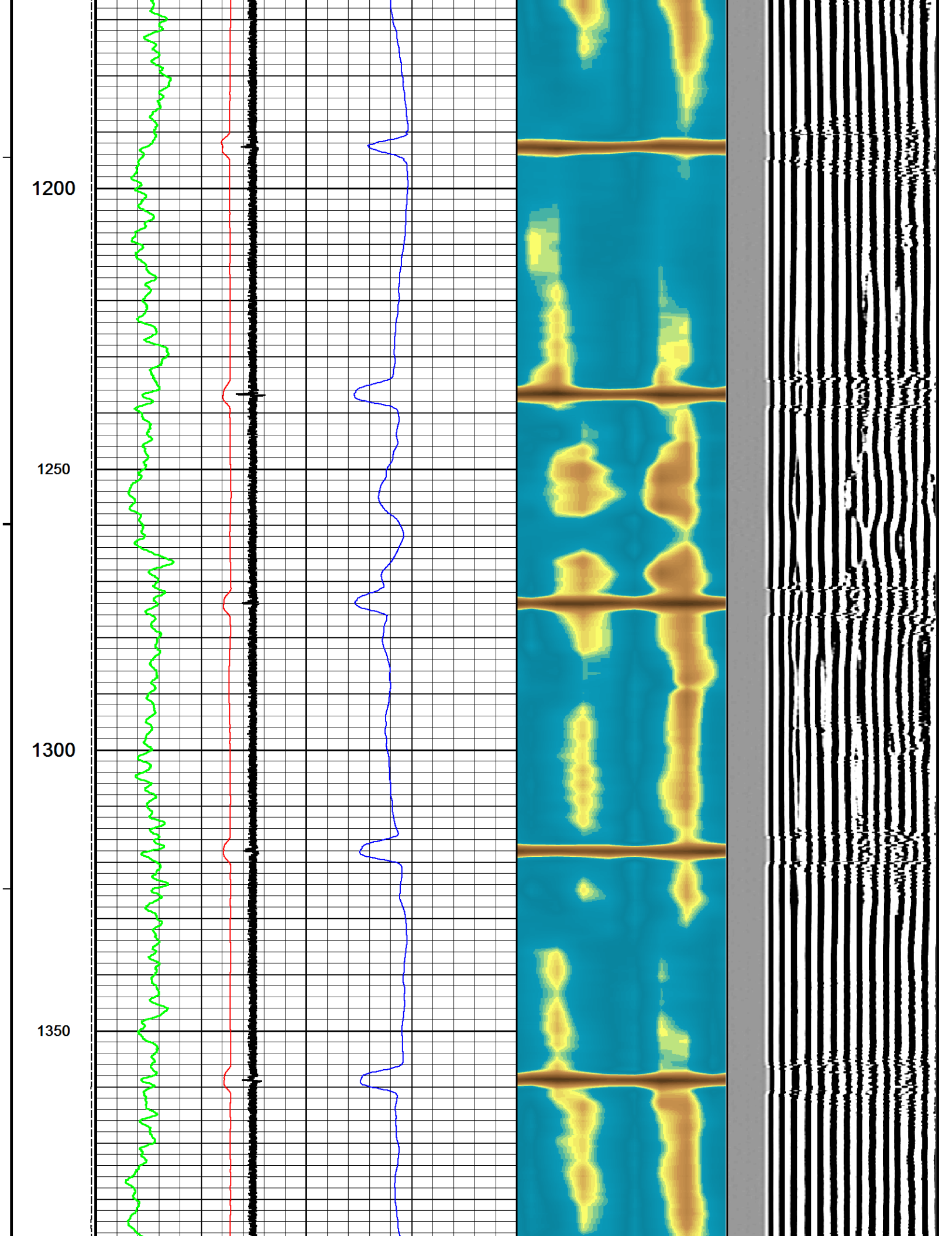
800

850

900







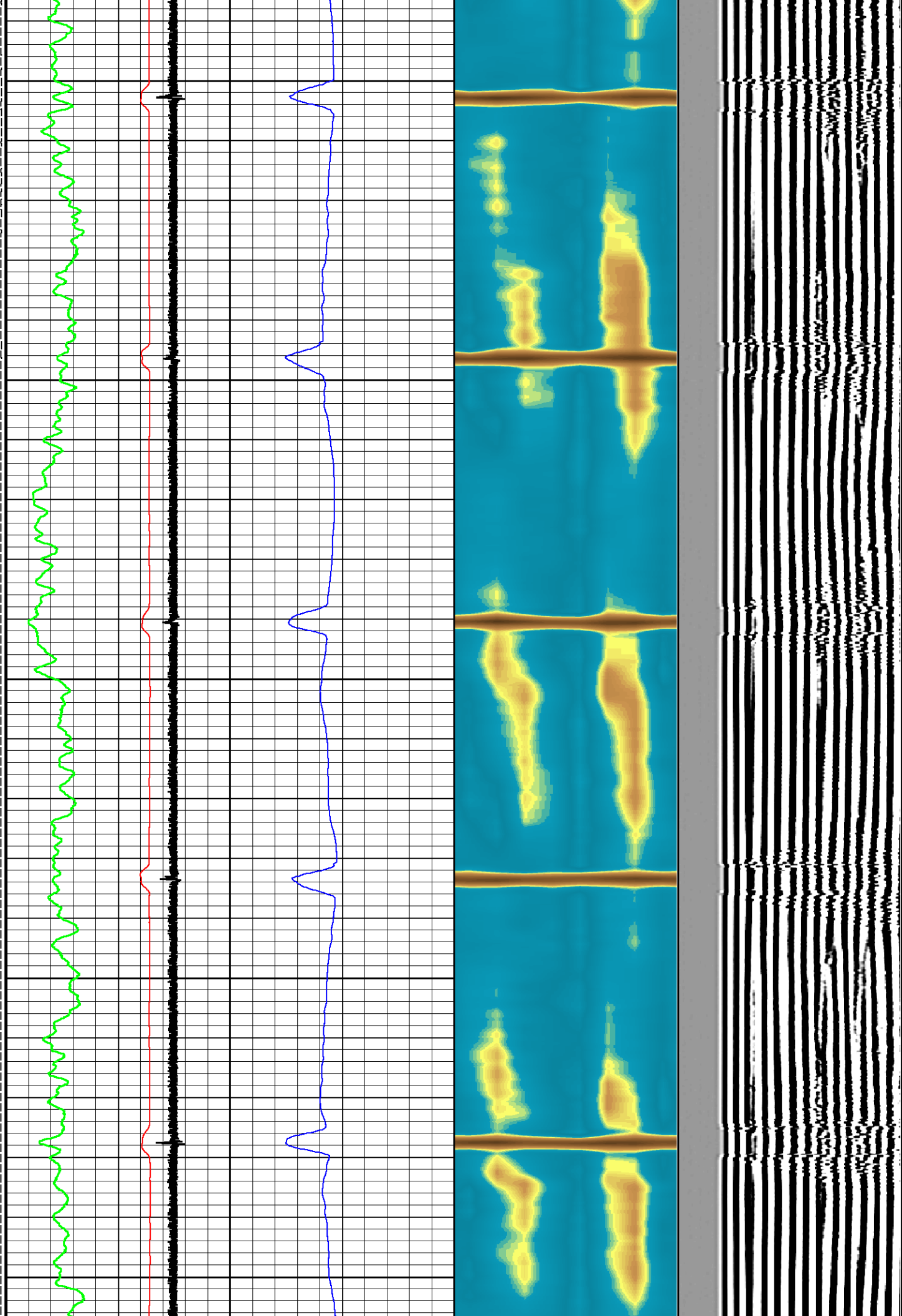
1400

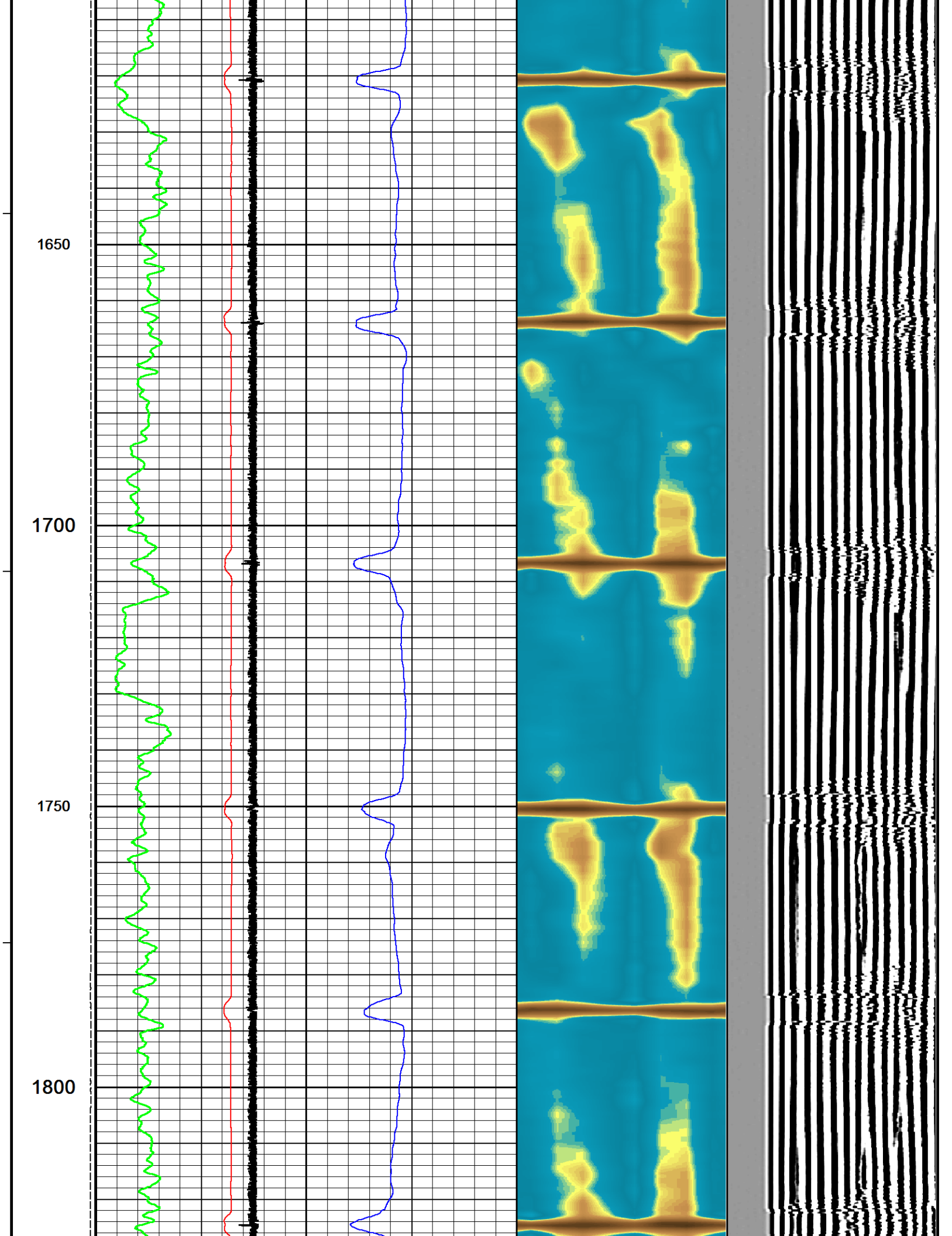
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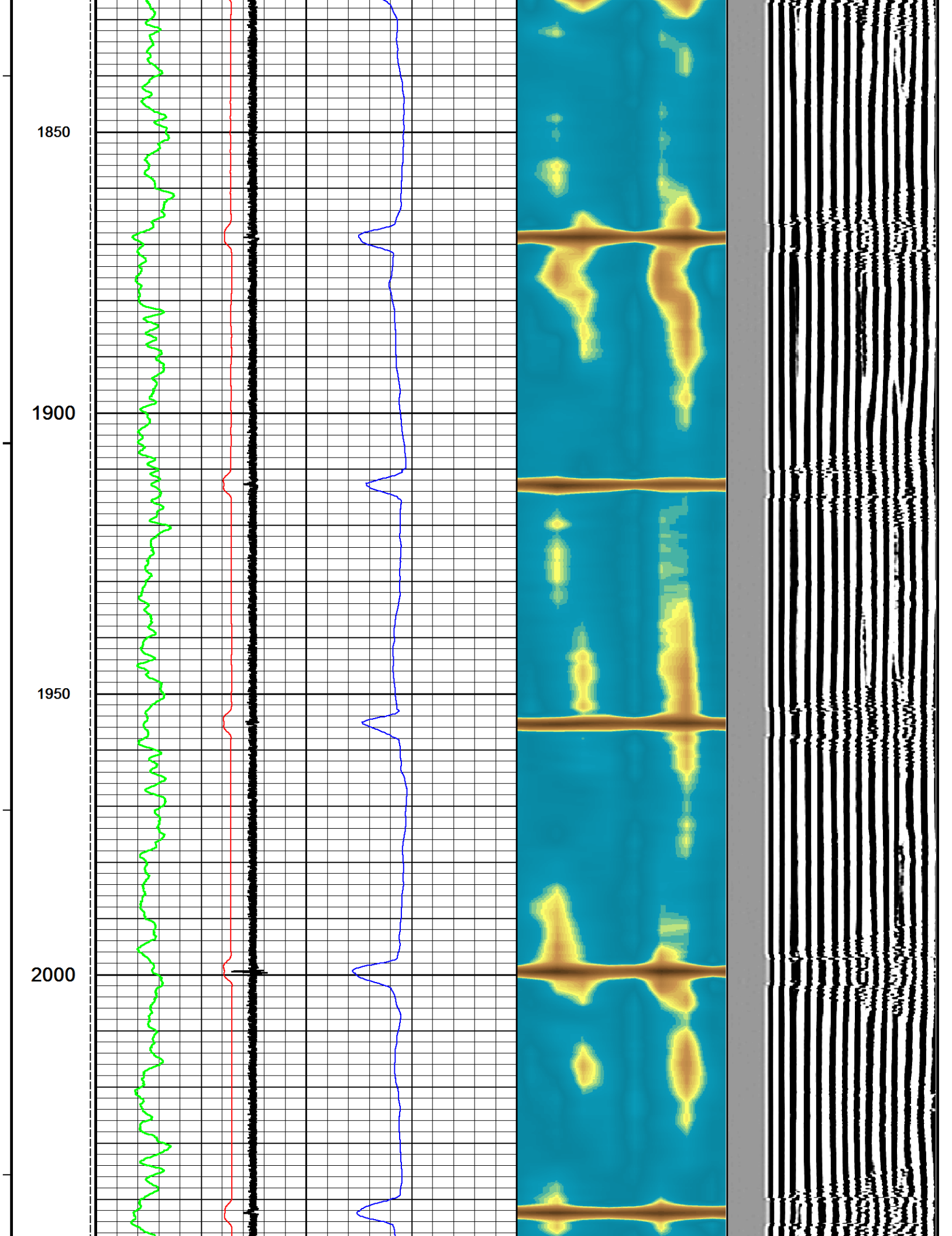
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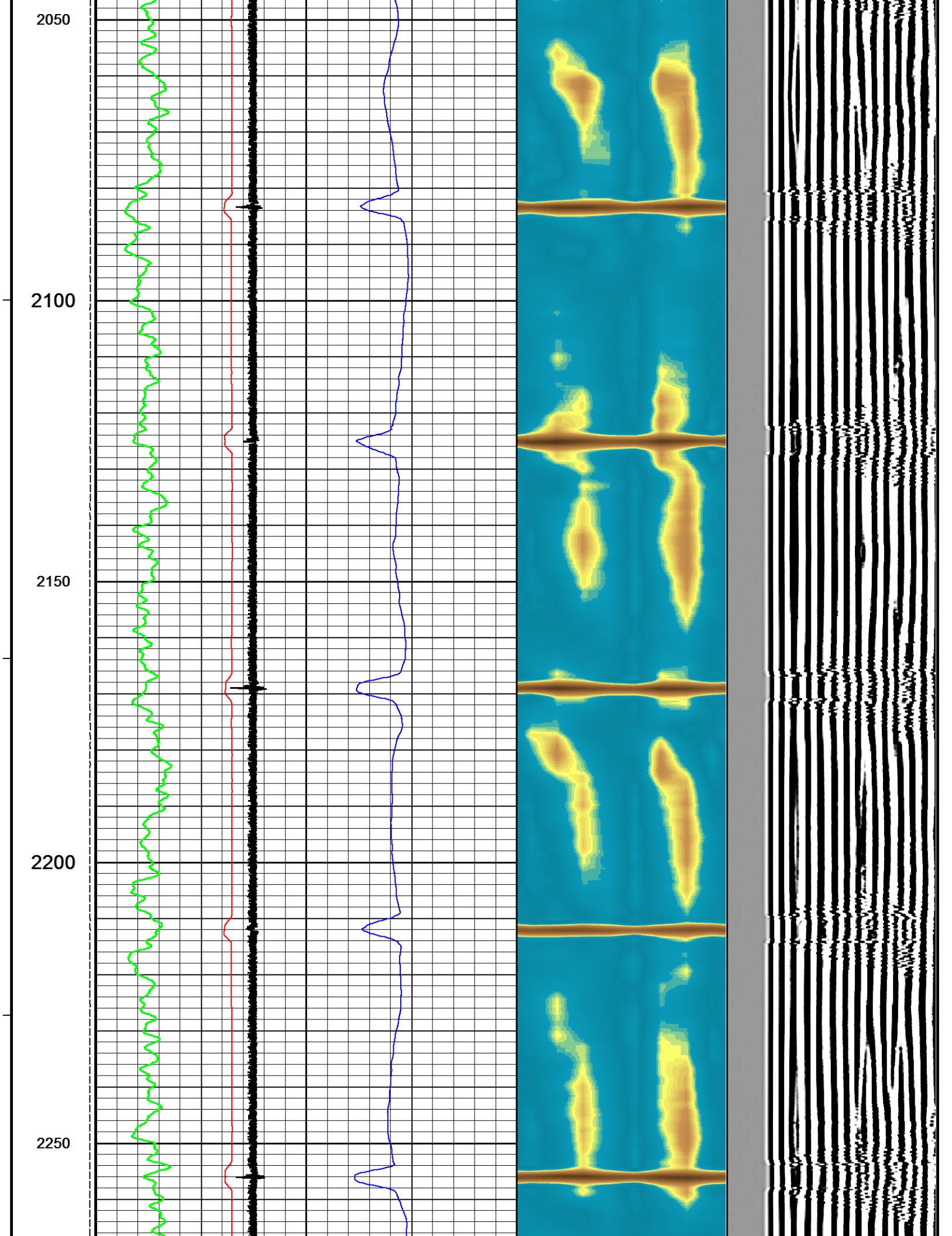
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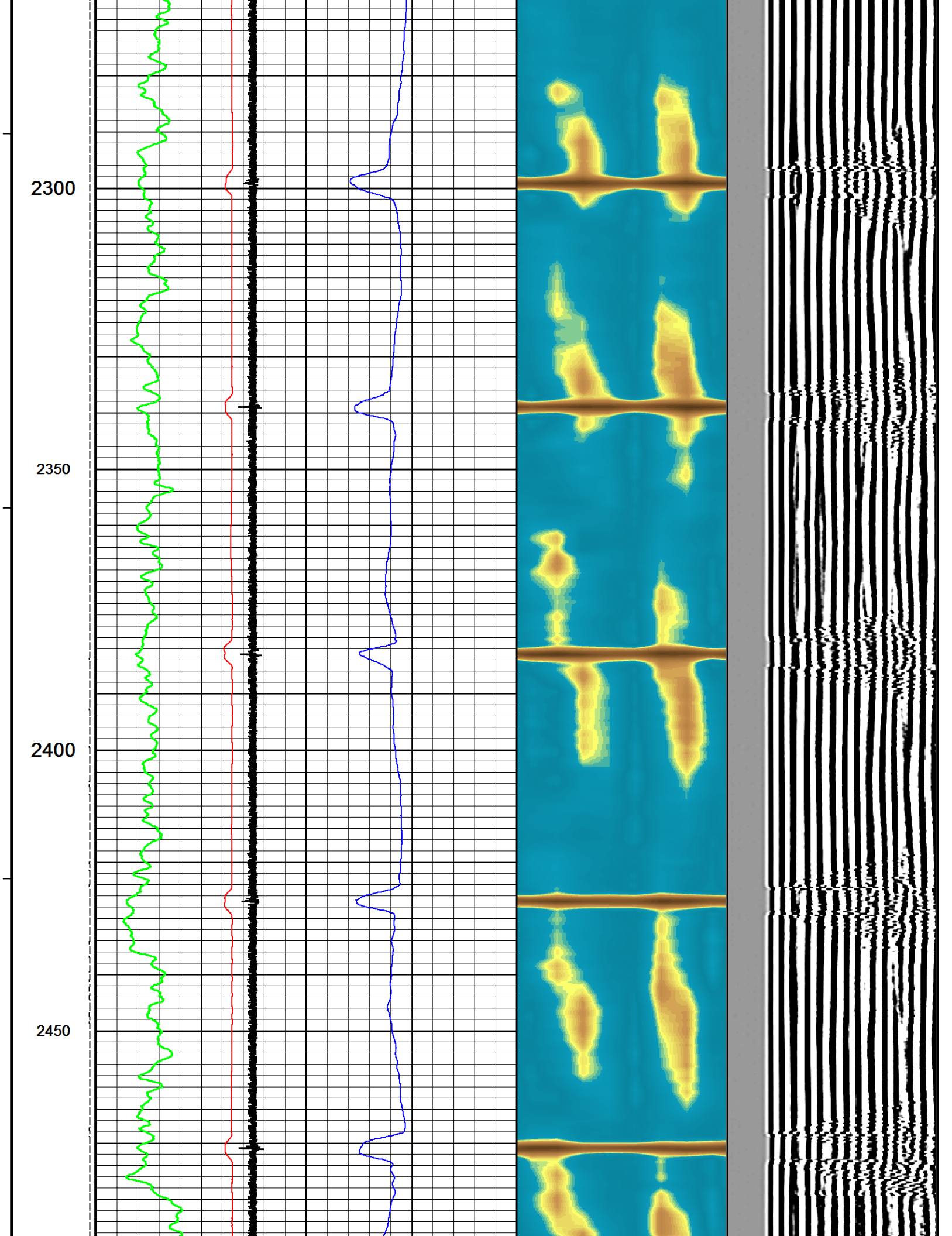
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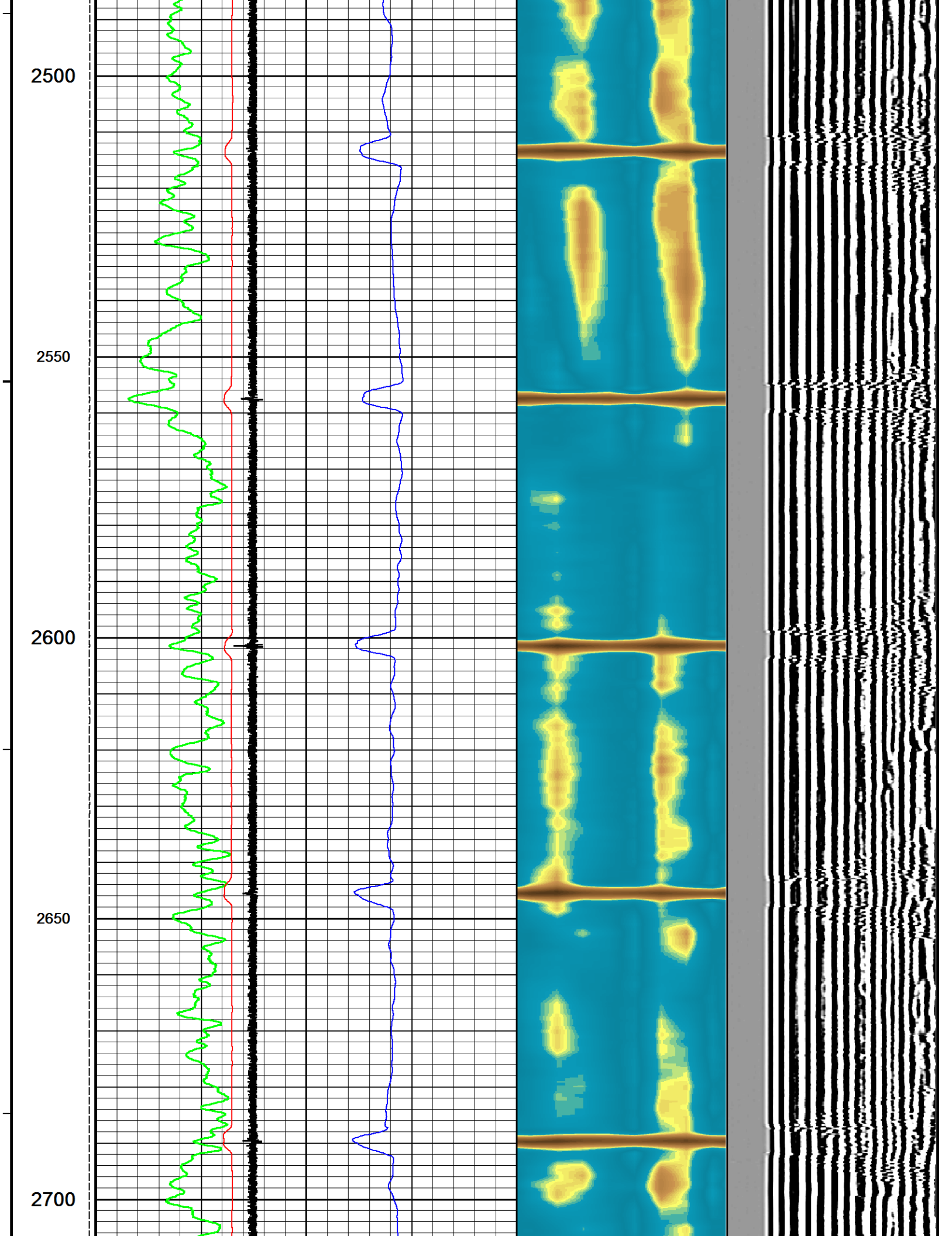


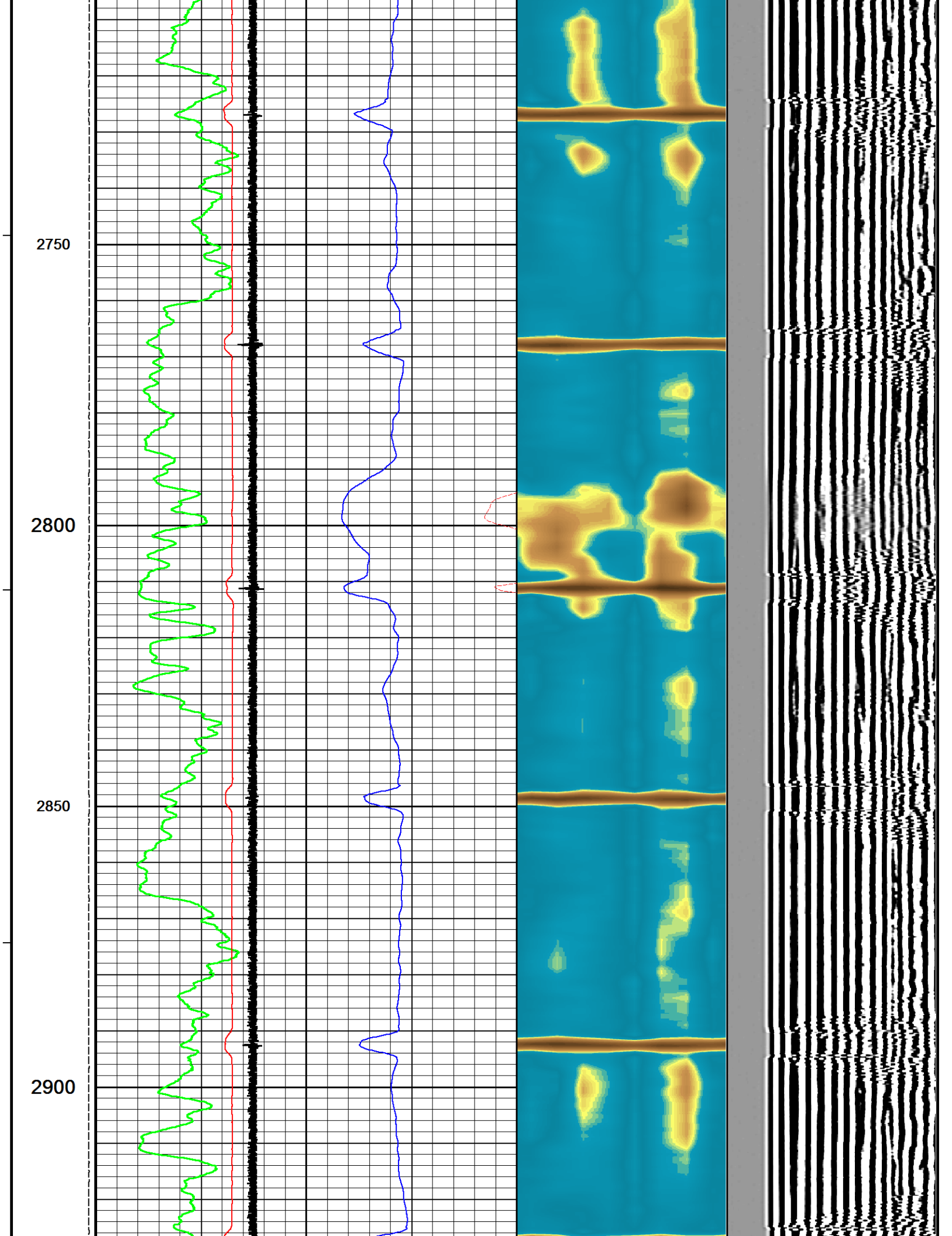


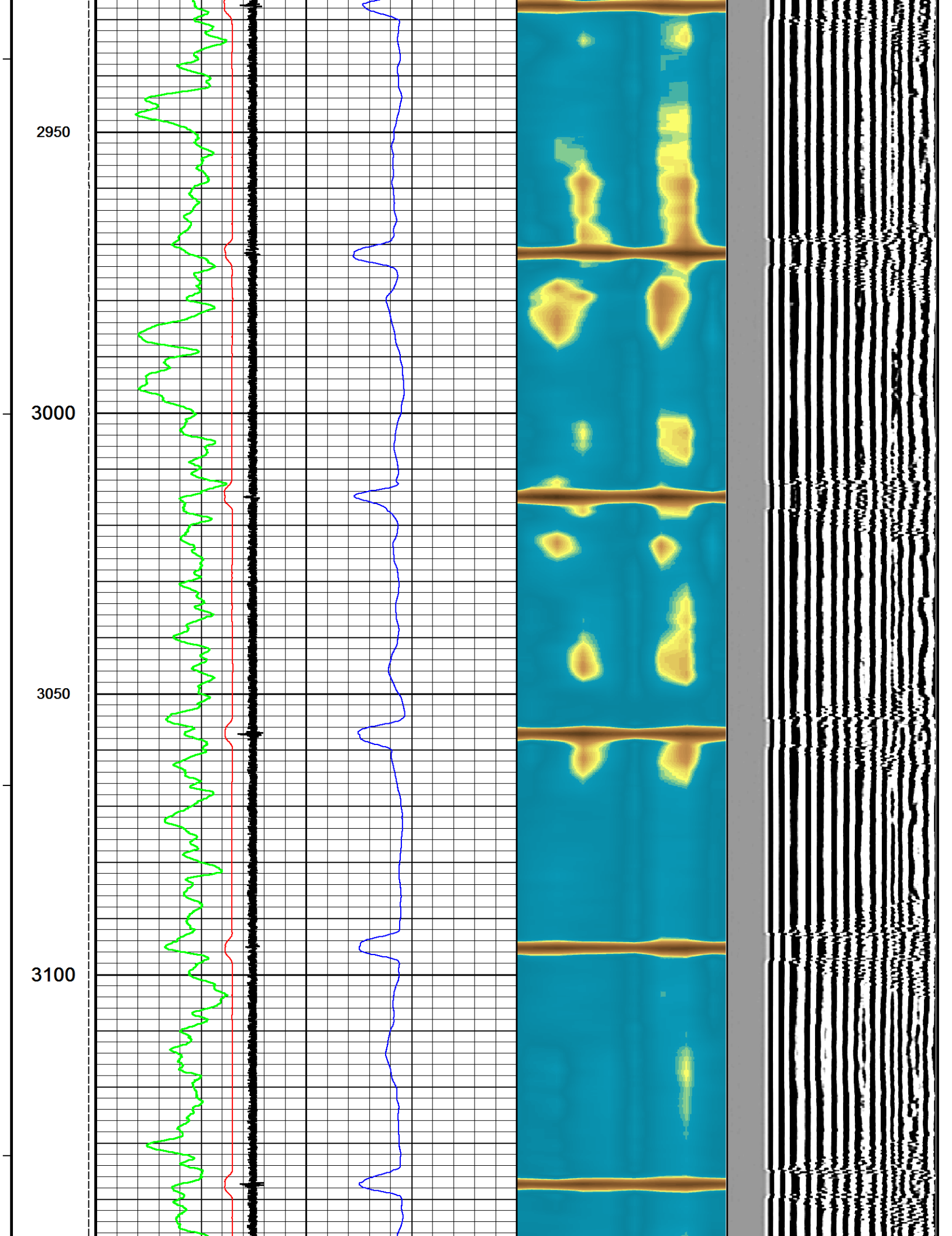


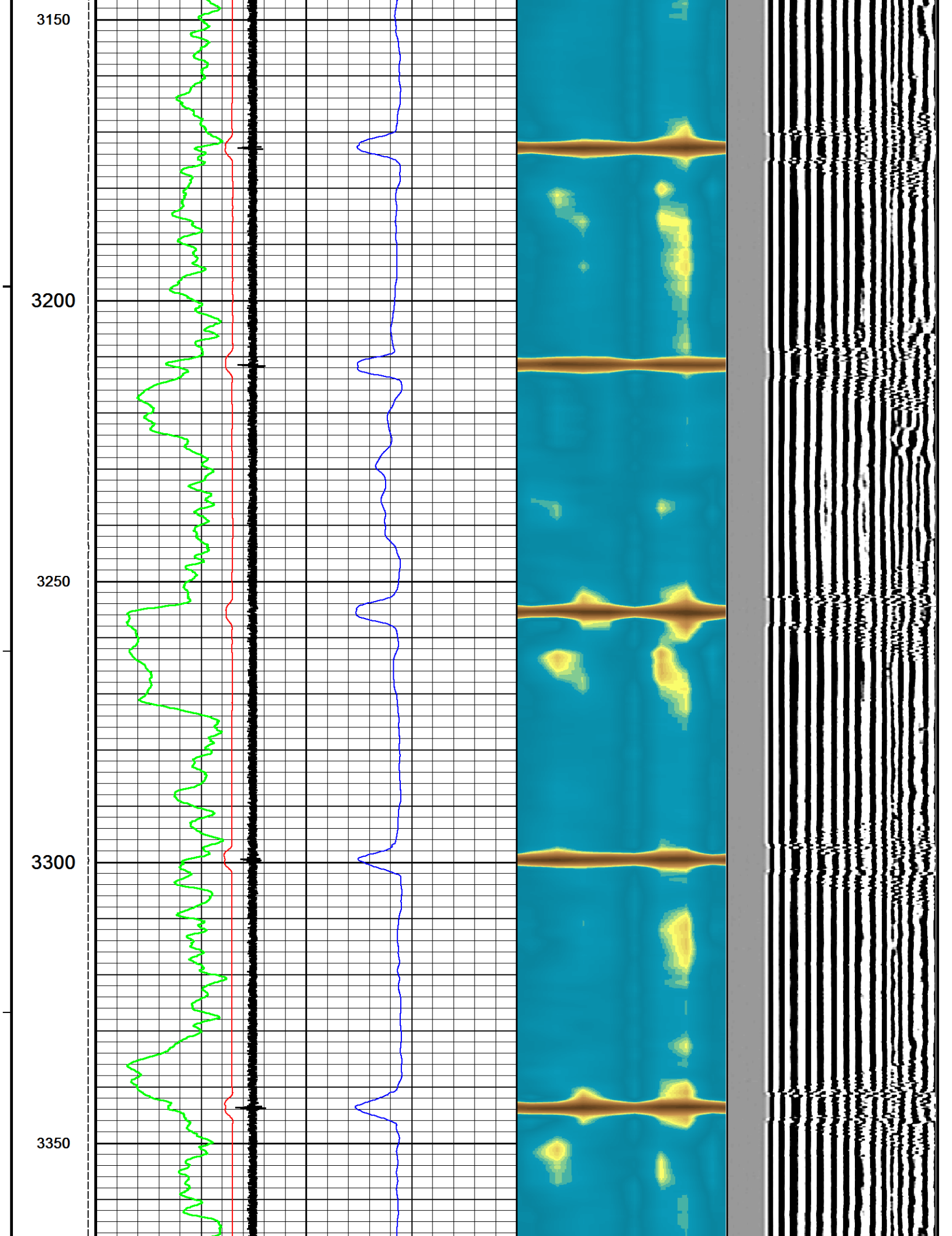


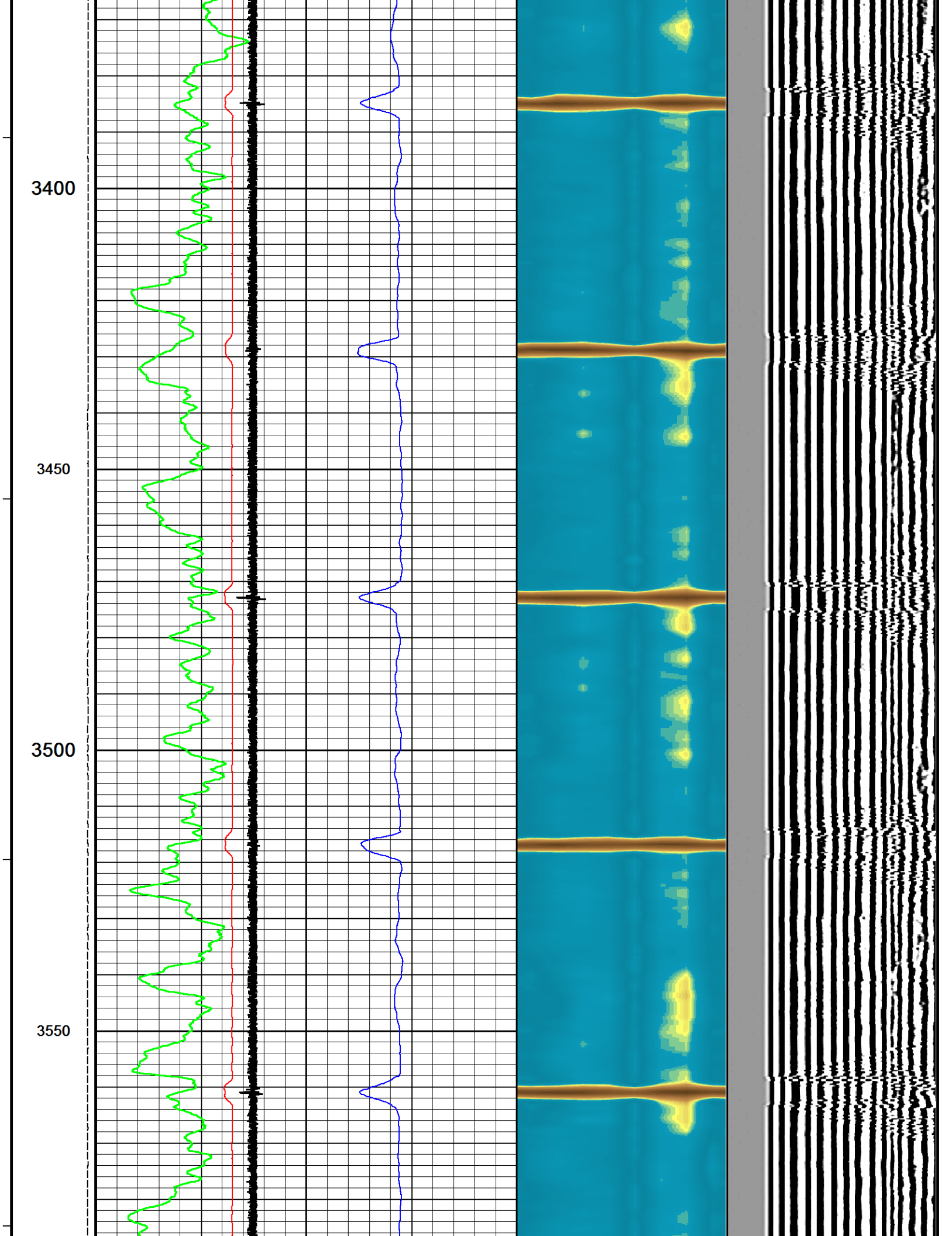


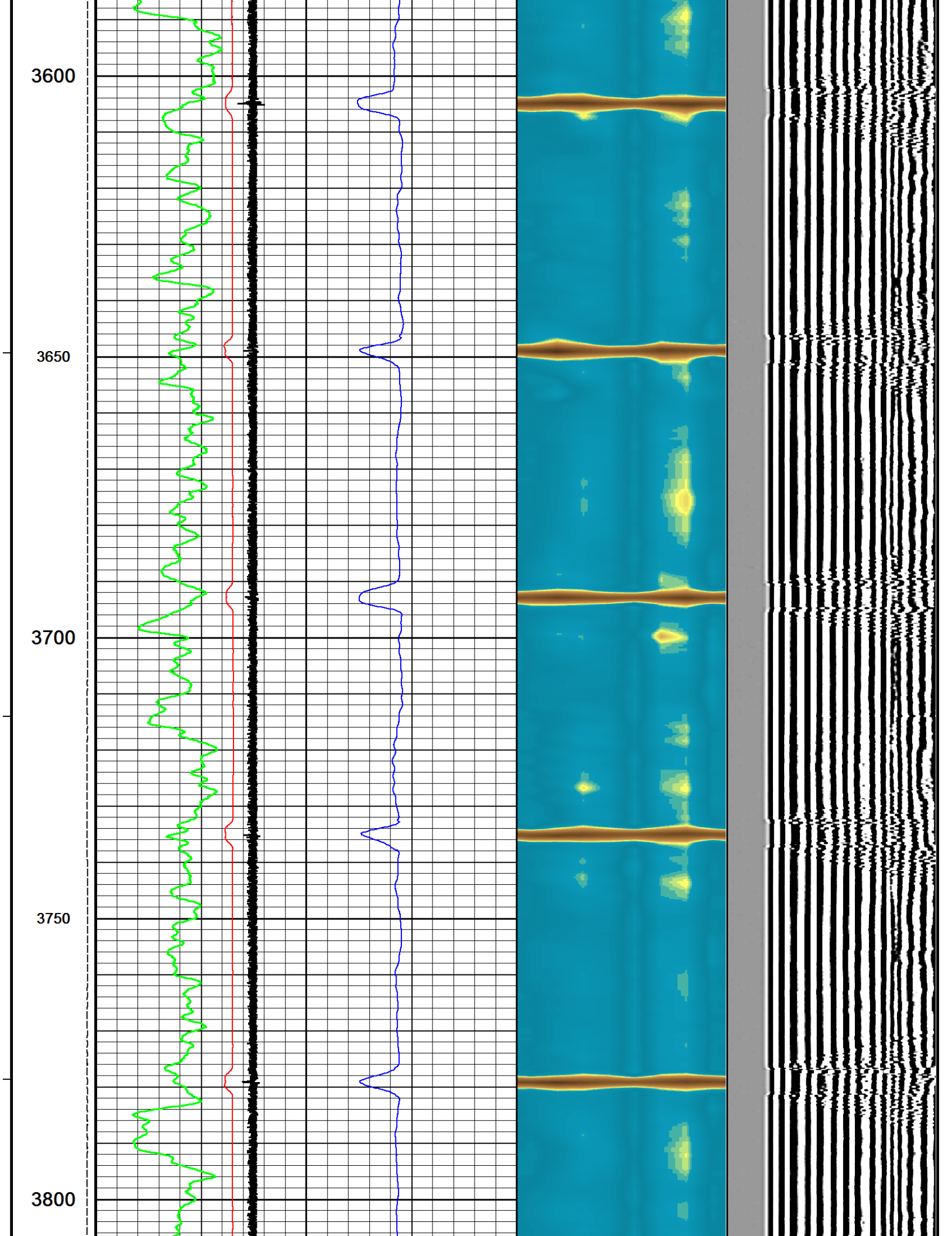


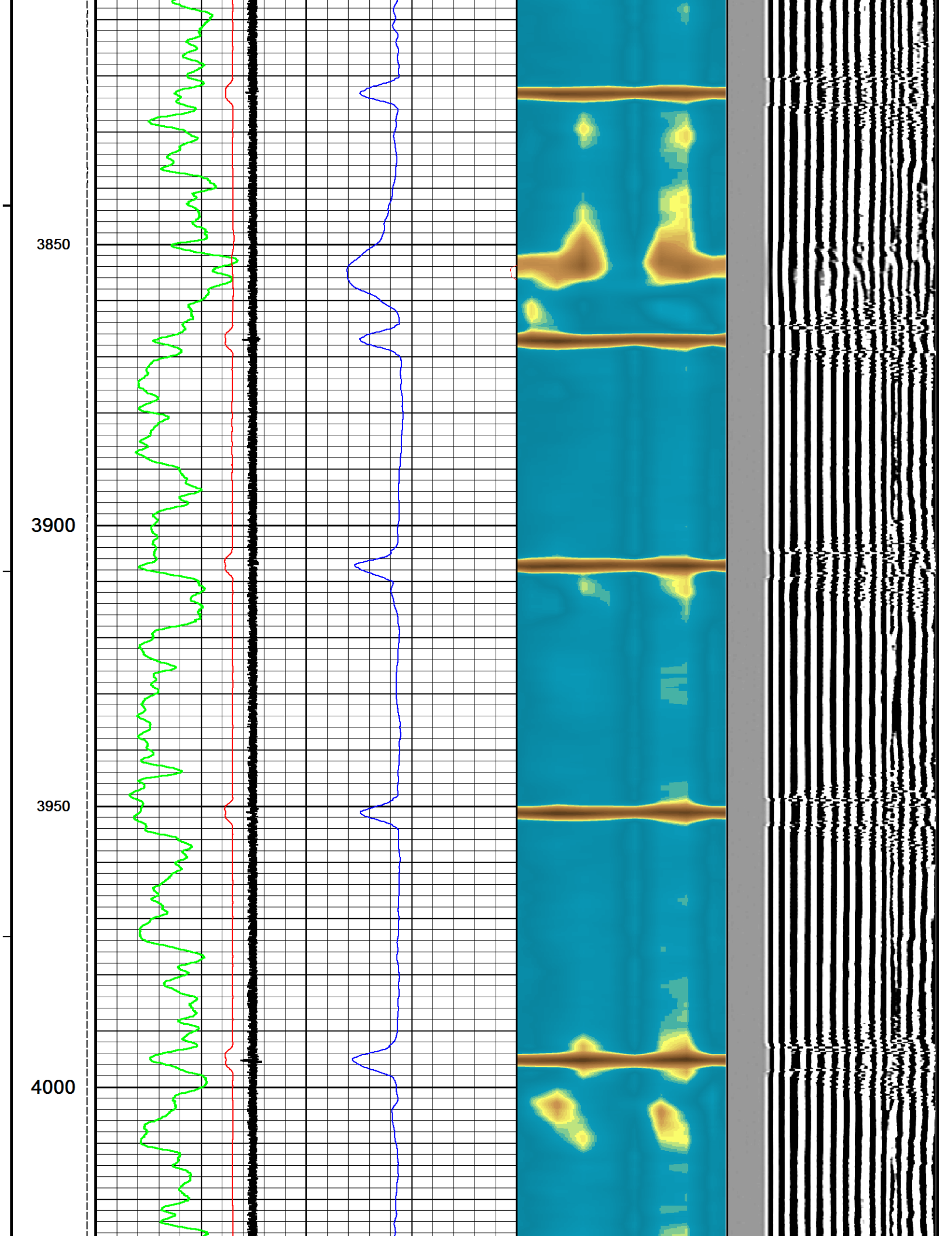


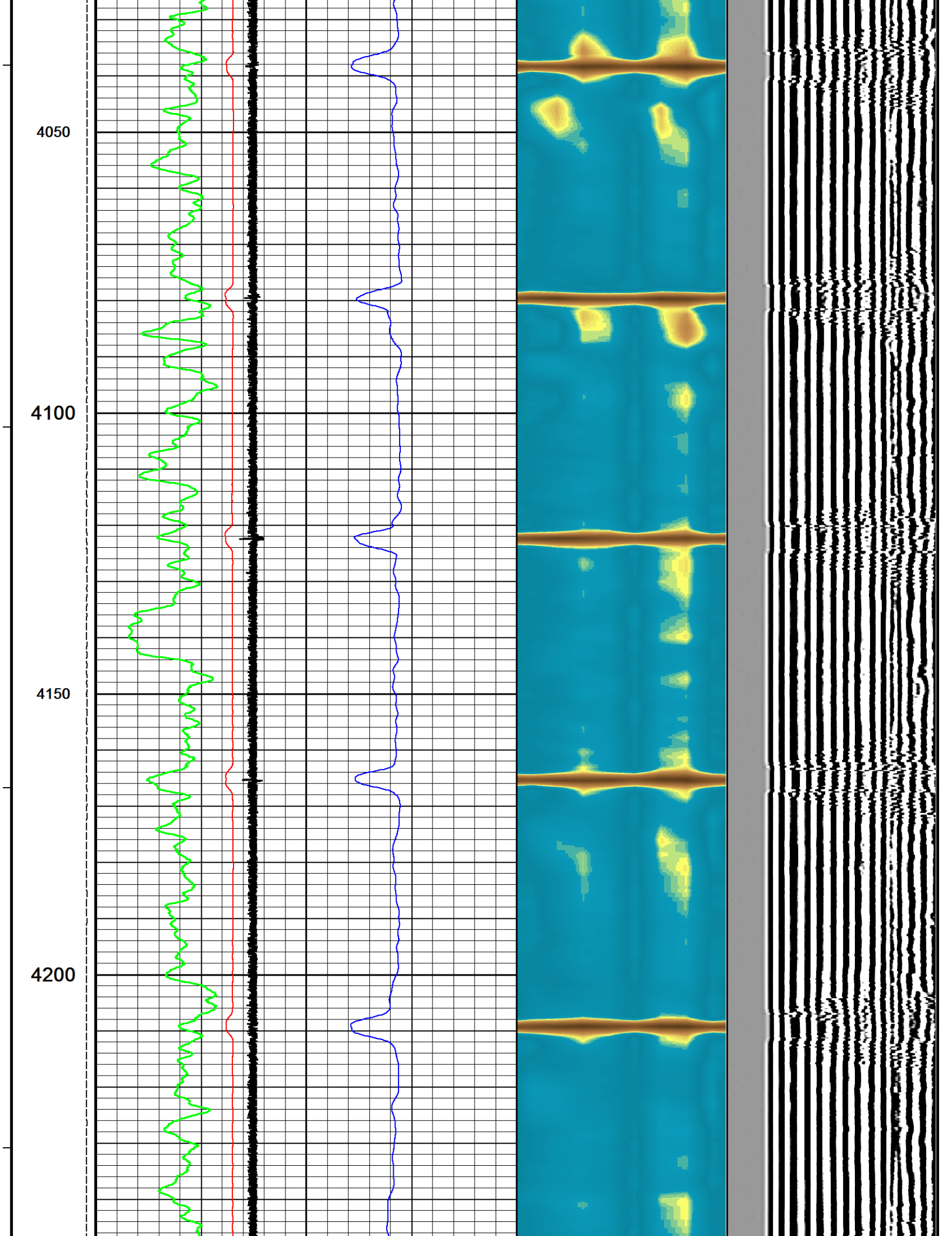


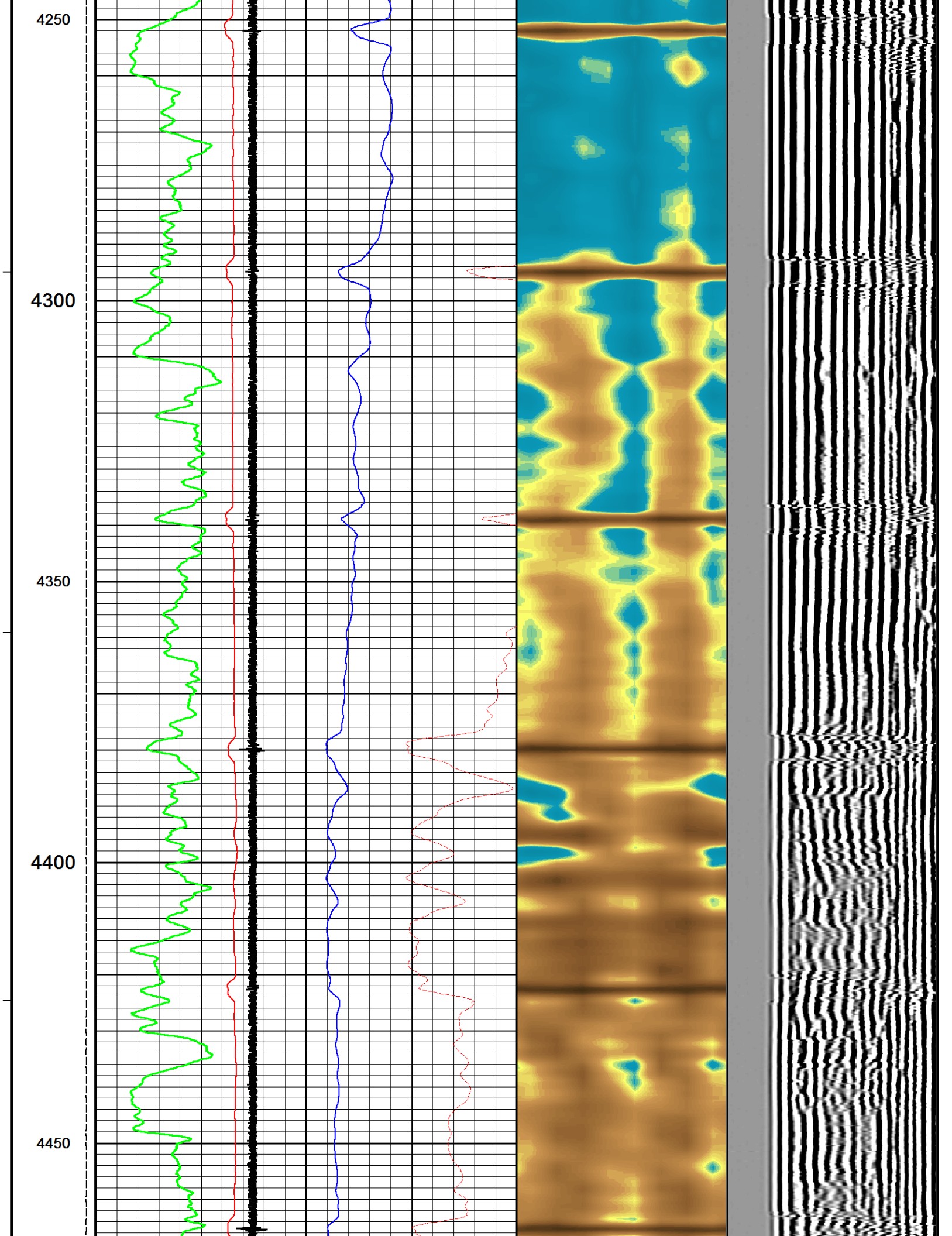


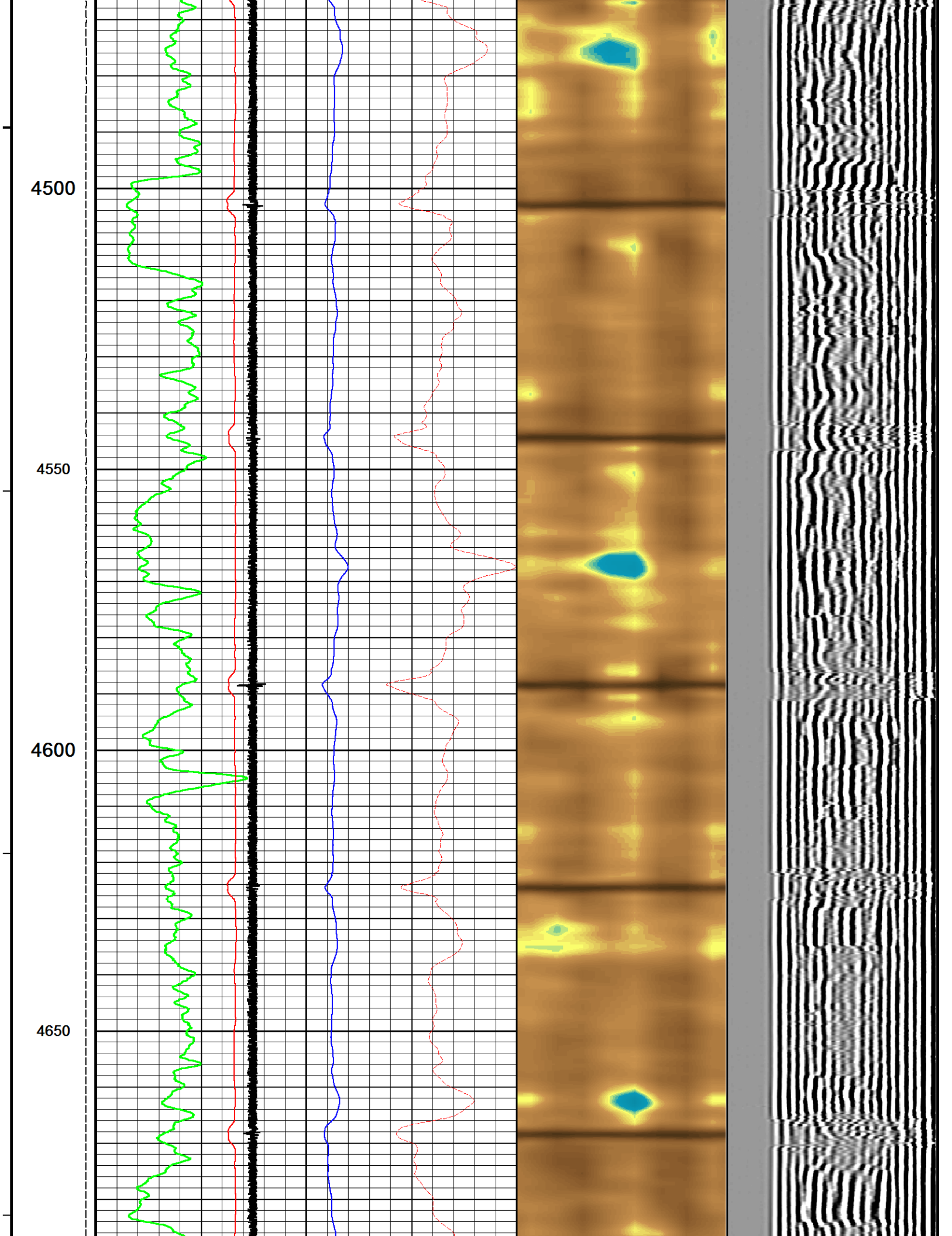


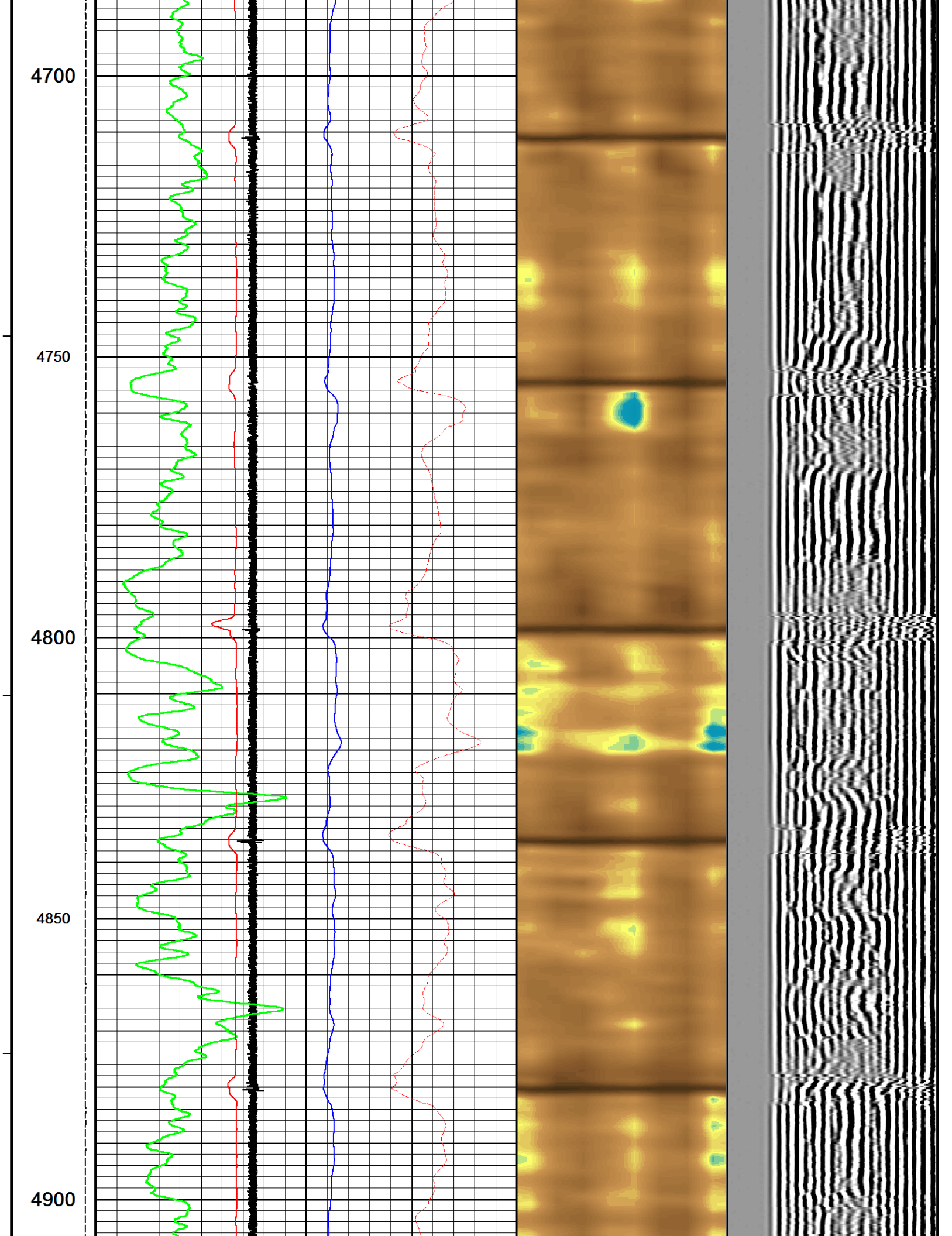


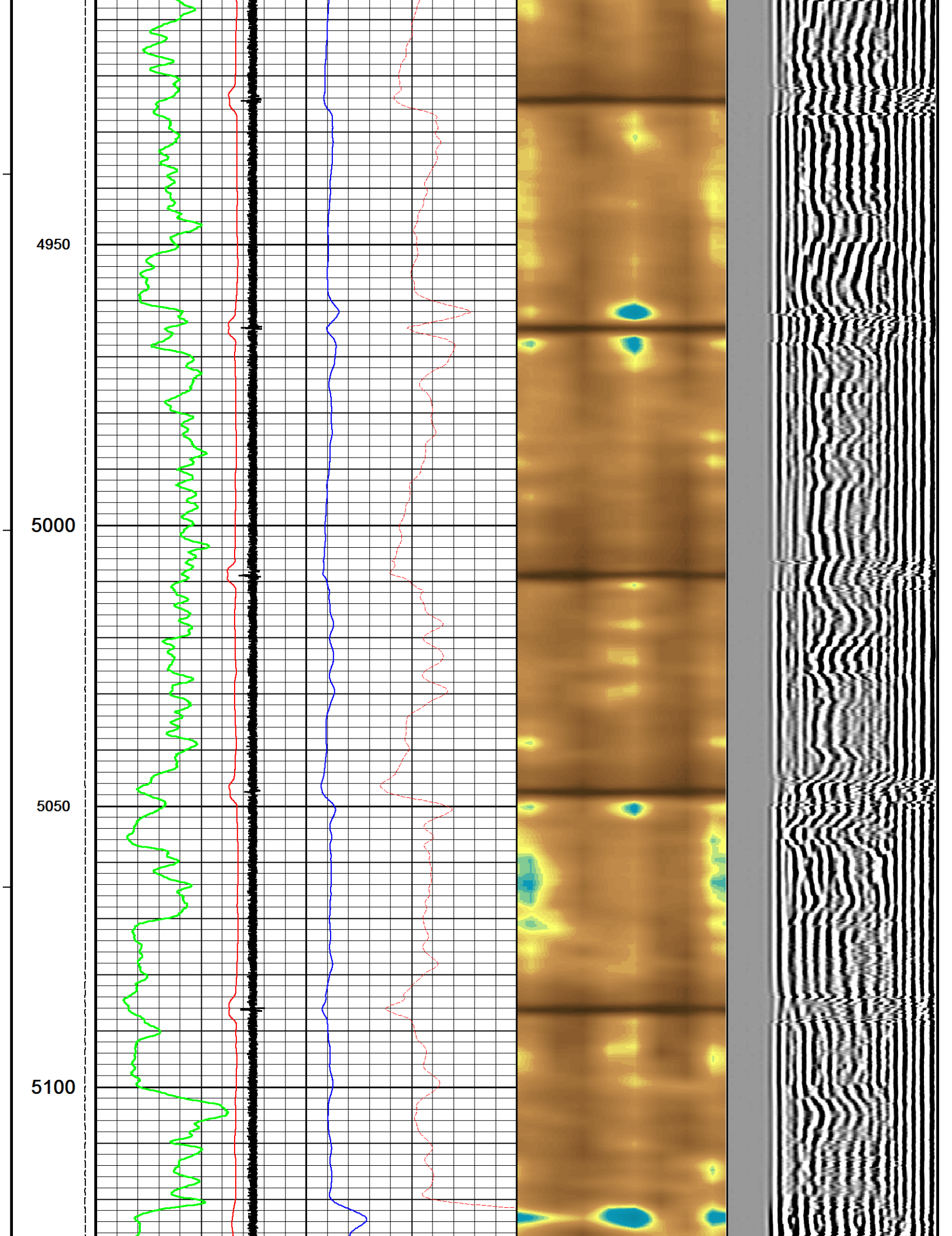


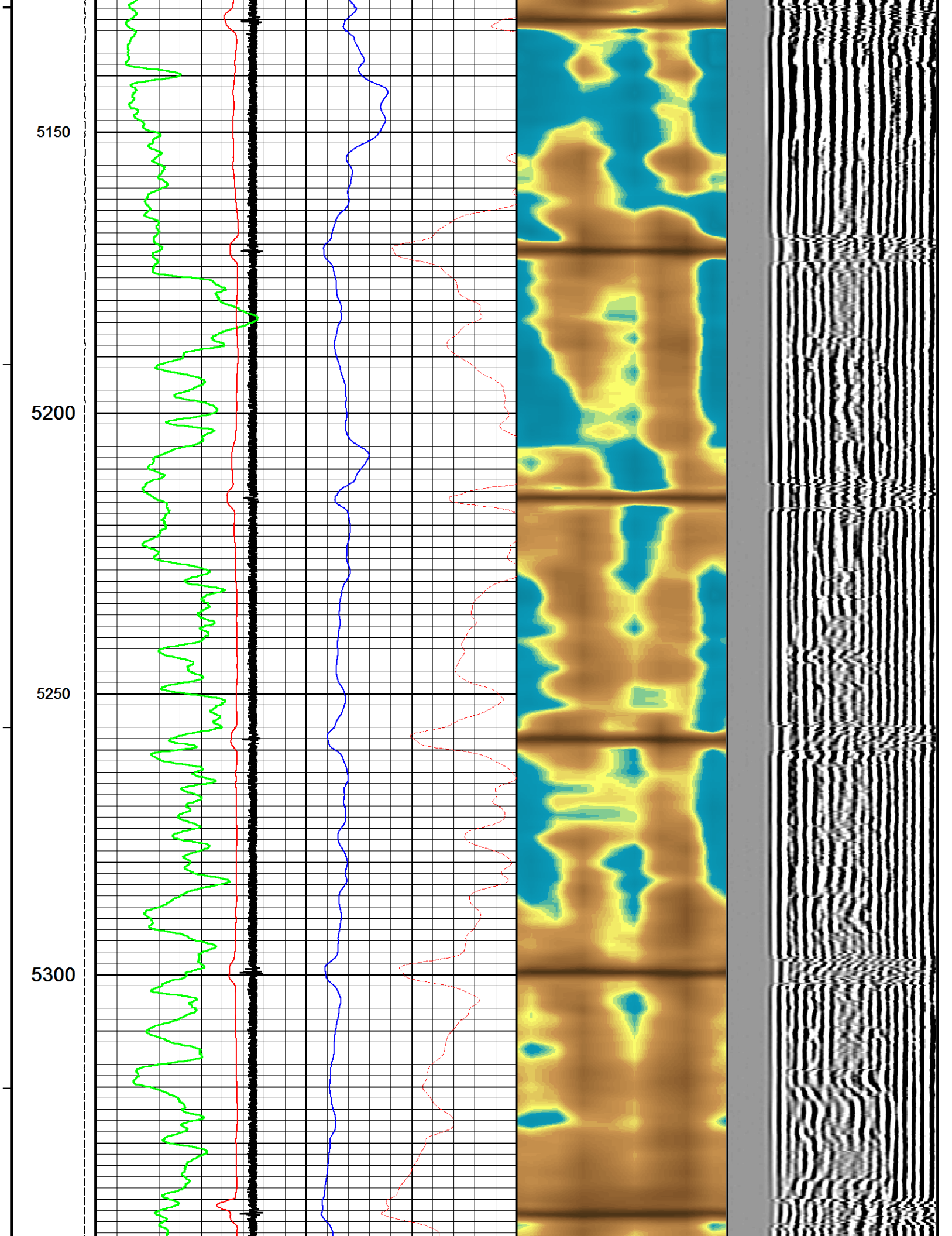


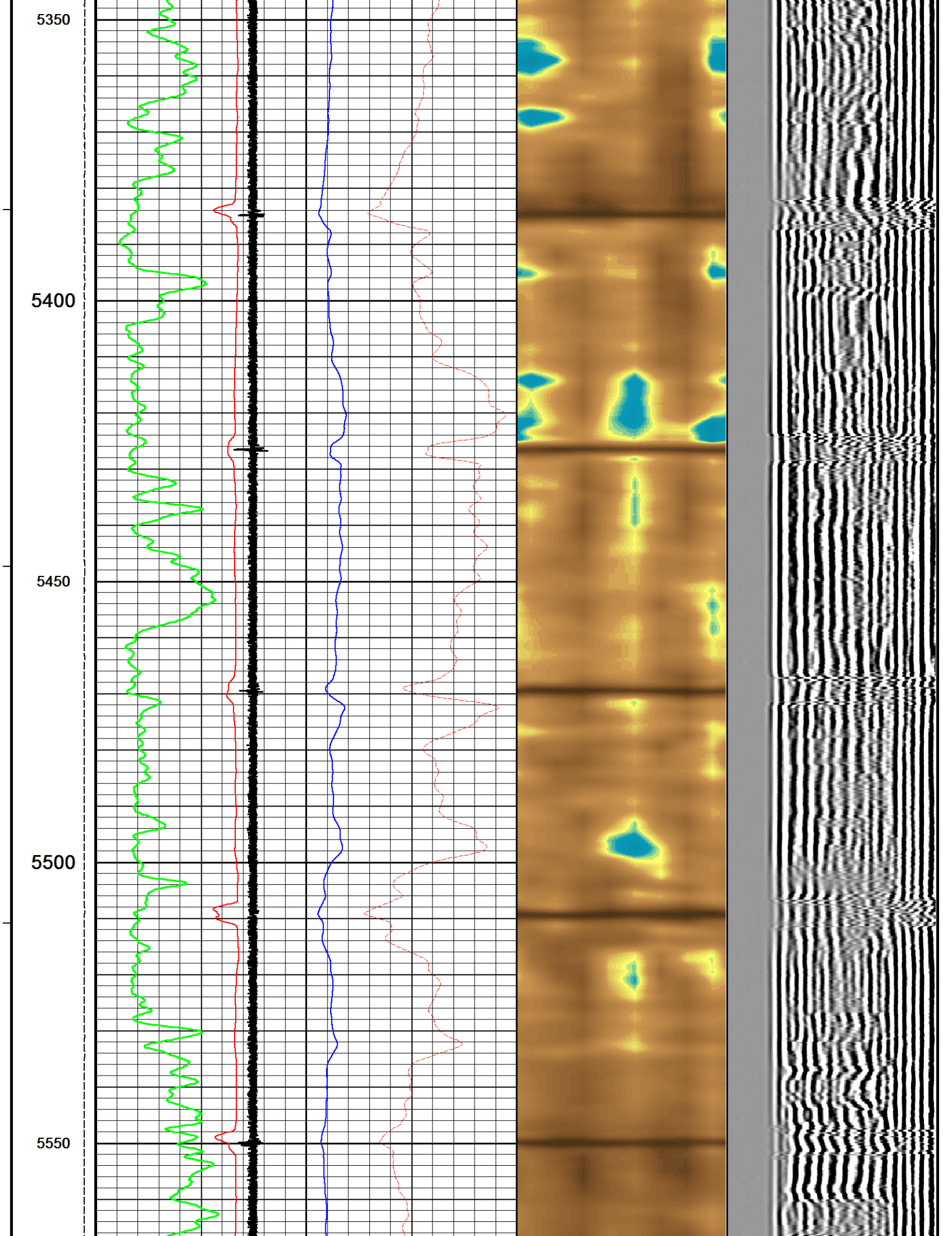


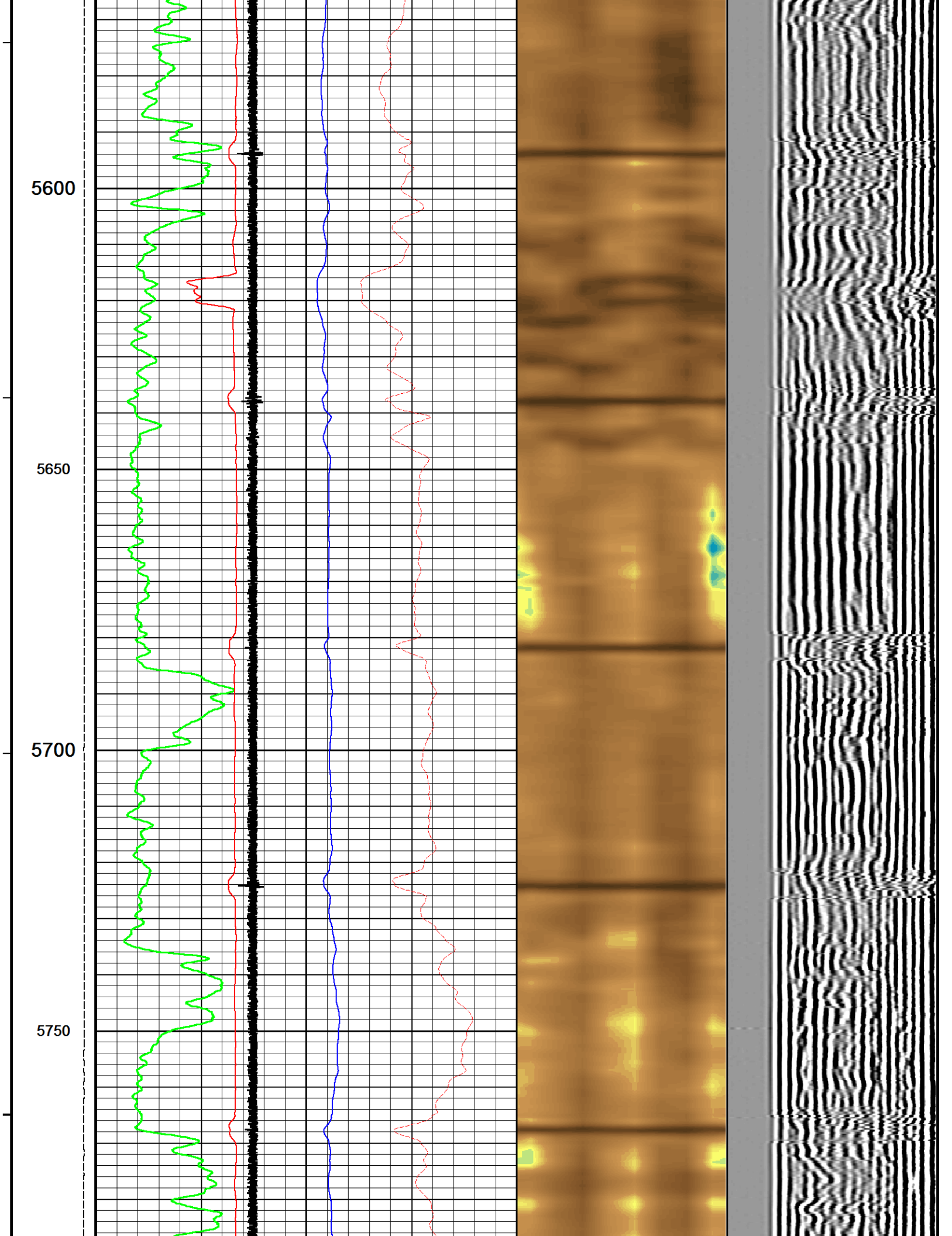


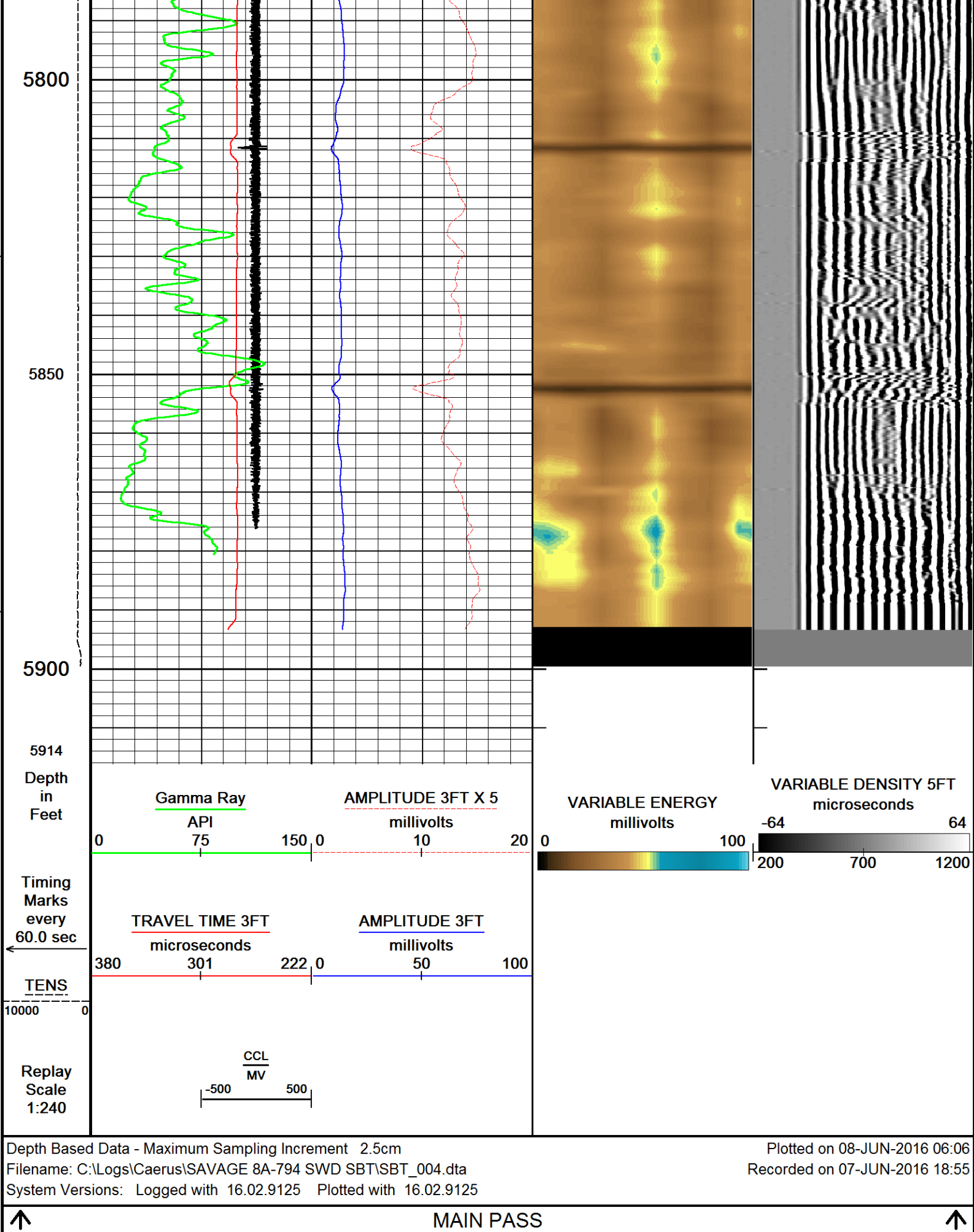


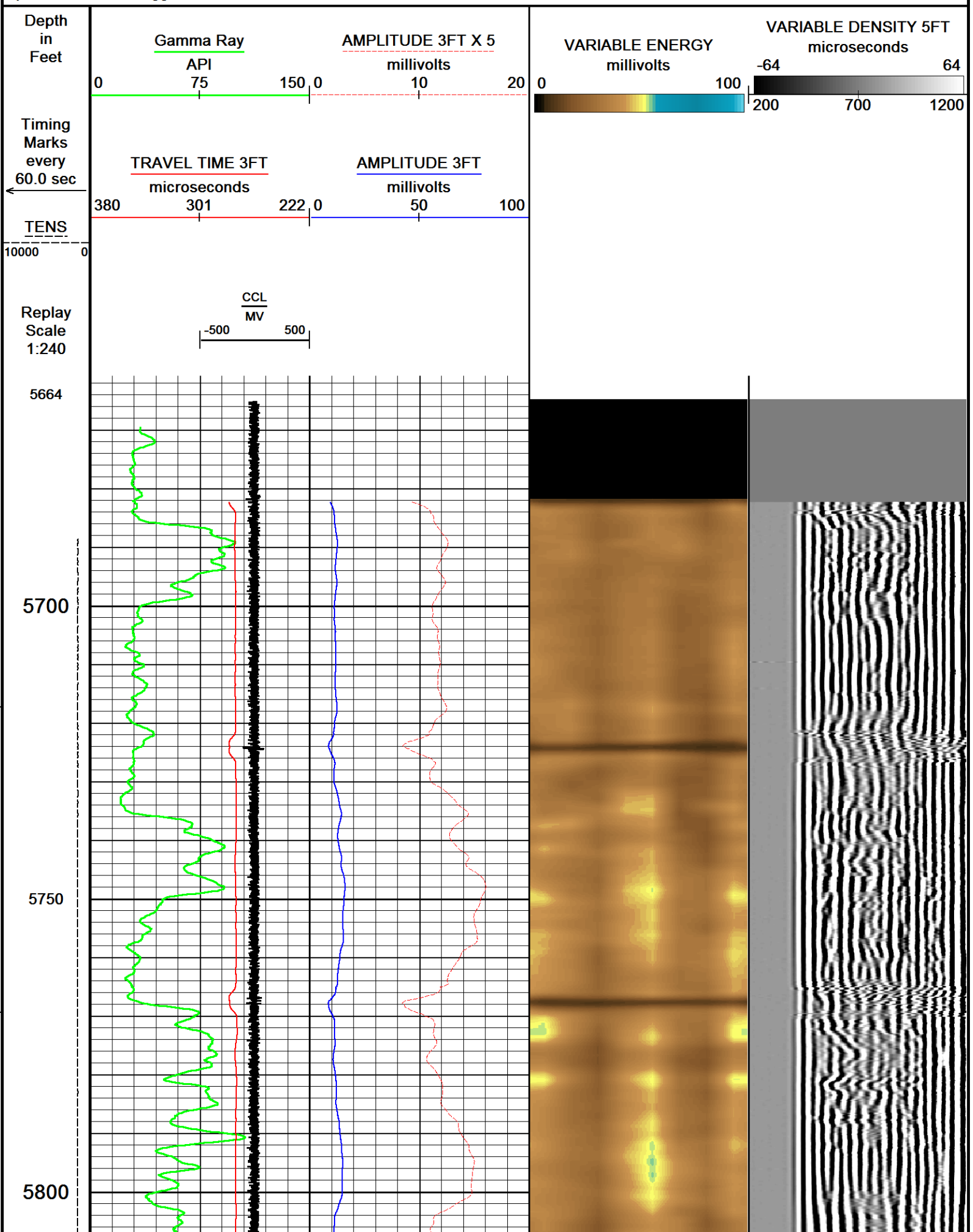


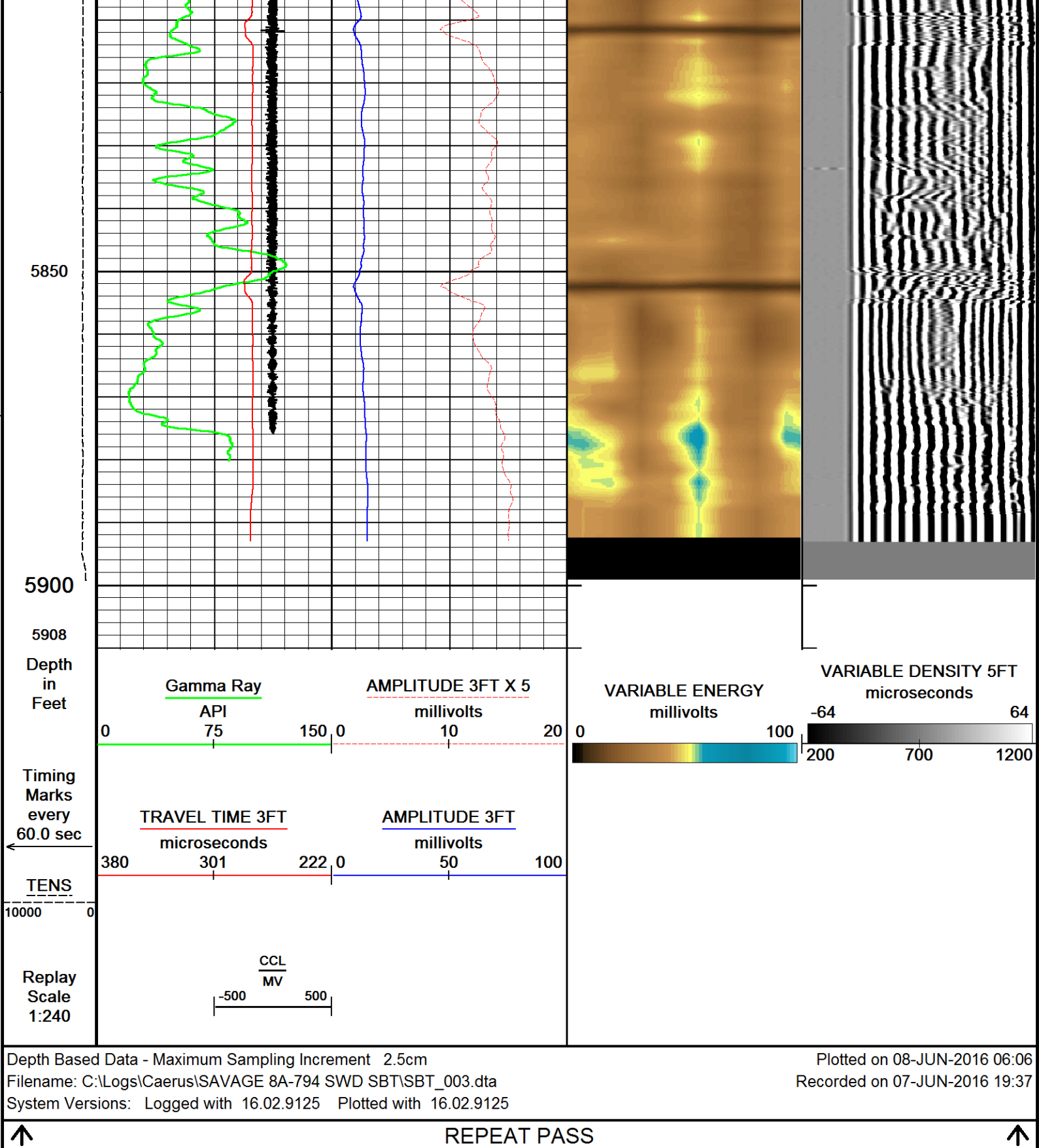












DOWNHOLE EQUIPMENT

C:\Logs\Caerus\SAVAGE 8A-794 SWD SBT\SBT_004.dta

Mono-Cablehead
MCH-AA 0 LG: 1.03 ft WT: 2.2 lb OD: 1.457 in

2.75in Bond Cent
CEN-AA 216 LG: 2.49 ft WT: 11.0 lb OD: 2.717 in



2.75" CCL/Telemetry Sub
CTB-AB 208 LG: 3.40 ft WT: 39.7 lb OD: 2.756 in

2.75" Gamma Ray Tool
GRB-AB 229 LG: 4.71 ft WT: 59.5 lb OD: 2.756 in

2.75in SBT Middle
CEN-BA 152 LG: 3.08 ft WT: 22.0 lb OD: 2.717 in

Sector Bond Tool
SBT-AA 238 LG: 10.32 ft WT: 90.4 lb OD: 2.717 in

2.75 Bond Centw/bp
CEN-C 232 LG: 2.82 ft WT: 11.0 lb OD: 2.720 in

Total Length: 27.85 ft Weight: 235.9 lb



23.56 ft CCL - Collar Locator

19.96 ft GR - Gamma Ray

7.77 ft VAMP - VARIABLE ENERGY

7.28 ft TT3F - TRAVEL TIME 3FT

7.28 ft AM3F - AMPLITUDE 3FT

6.28 ft VDL2 - VARIABLE DENSITY 5FT

0.00 ft TENS - Tension
Tool Zero (0.00ft from bottom)

All measurements relative to tool zero.

UGR Field Survey Cal GRB-AB 229

Field Calibration on 00-JAN-1988 00:00

Gamma Ray Field Survey Calibration

Tool Type: GRB-AB
Calibrator No:

Serial No: 229

Background Calibrator Standard Units

102.2 492.8 140.0 CPS

Delta Counts Per Sec: 390.6 CPS/API = 2.790

SBT Field Calibration SBT-AA 238

Field Calibration on 07-JUN-2016 08:06

Sector Bond Field Calibration

Tool Type SBT-AA Serial No 238

TO Gain Free Pipe Depth

Sensor	Description	Standard(mv)	Measured(mv)
AMP 3FT	100% Bond	2.10	1.60
	Free Pipe	62.00	677.50
AMP 5FT	100% Bond	1.40	0.60
	Free Pipe	41.00	1702.40
1 SECTOR AMP	100% Bond	5.00	22.80
	Free Pipe	95.00	587.90
2 SECTOR AMP	100% Bond	5.00	33.70
	Free Pipe	95.00	489.30
3 SECTOR AMP	100% Bond	5.00	19.90
	Free Pipe	95.00	421.60
4 SECTOR AMP	100% Bond	5.00	20.50
	Free Pipe	95.00	484.60
5 SECTOR AMP	100% Bond	5.00	20.70
	Free Pipe	95.00	440.50
6 SECTOR AMP	100% Bond	5.00	18.60
	Free Pipe	95.00	486.60
7 SECTOR AMP	100% Bond	5.00	18.00
	Free Pipe	95.00	522.30
8 SECTOR AMP	100% Bond	5.00	29.50
	Free Pipe	95.00	576.10


SBT Constants SBT-AA 238

Last Edited on 07-JUN-2016 08:05

Min Ampl 100% Bond	2.00 MV
Max Ampl 0% Bond	62.00 MV
Casing Size	7.00 IN

Casing Weight	26.0	LB/F
3' TT Correction	-999.0	US
DT Fluid	200.0	US/F
Fast Formation TT	38.5	US/F
Cement Cmpr Strength	580	PSI
Casing Velocity	57.00	US/F
Maximum Attenuation	12.00	DB/F
Cement Weight	0.00	LB/G

SMS Constants	SMS-A	0
Last Edited on 00-JAN-1988 00:00		
Cement Weight	0.00	LB/G
Cement Weight	0.00	LB/G

COMPANY	CAERUS OIL & GAS LLC				
WELL	SAVAGE 8A-794 SWD				
FIELD	RULISON				
PROVINCE/COUNTY	GARFIELD				
COUNTRY/STATE	USA / COLORADO				
Elevation Kelly Bushing	6496.00	feet	Bottom Log Interval	5926.00	feet
Elevation Drill Floor	6496.00	feet	Depth Driller	5961.20	feet
Elevation Ground Level	6466.00	feet	Depth Logger	5930.00	feet
<div><div>Weatherford®</div></div> <div>SECTOR BOND LOG</div>					