

Company: Noble Energy Inc

Well: Romero PC G10-79HN  
Field: Wattenberg  
County: Weld State: Colorado

County: Weld		<b>USI-LITE</b>	
Field: Wattenberg			
Location: SWNW Sec. 3 T4N R65W			
Well: Romero PC G10-79HN			
Company: Noble Energy Inc			
LOCATION			
Permanent Datum:		Elev: K.B. 4700.0 F	
Log Measured From:		G.L. 4670.0 F	
Drilling Measured From:		D.F. 4699.0 F	
GL KB KB			
API Serial No. 05-123-34018-0000		Section 3	Township 4N
10-Apr-2014		Range 65W	
Logging Date	Run 1		
Run Number	7242.0 F		
Depth Driller	7242.0 F		
Schlumberger Depth	7242.0 F		
Bottom Log Interval	-999.2 F		
Top Log Interval	-999.2 F		
Casing Fluid Level	8.0 F		
Salinity			
Density	8.34 LB/G		
Fluid Level	8.0 F		
BIT/CASING/TUBING STRING			
Bit Size	8.750 IN		
From	-999.2 F		
To	7242.0 F		
Casing Size	7.00 IN		
Weight	26.00 LB/F		
Grade	P110		
From	0.0 F		
To	7242.0 F		
Max Recorded Temp	-999.2		
Logger on bottom (date)	10-Apr-2014		
Location	Fl. Morgan CO		
Recorded By	Keri Ondrus/A. Bekhterev		
Witnessed By			

DEPTH SUMMARY LISTING

DEPTH SYSTEM EQUIPMENT

Depth Measuring Device	Tension Device	Logging Cable
Type: Serial Number: Calibration Date: Calibration Cable Type: Wheel Correction 1: Wheel Correction 2:	Type: Serial Number: Calibration Date: Calibrator Serial Number: Number Of Calibration Points: Calibration RMS: Calibration Peak Error:	Serial Number: Length: 24000.00000

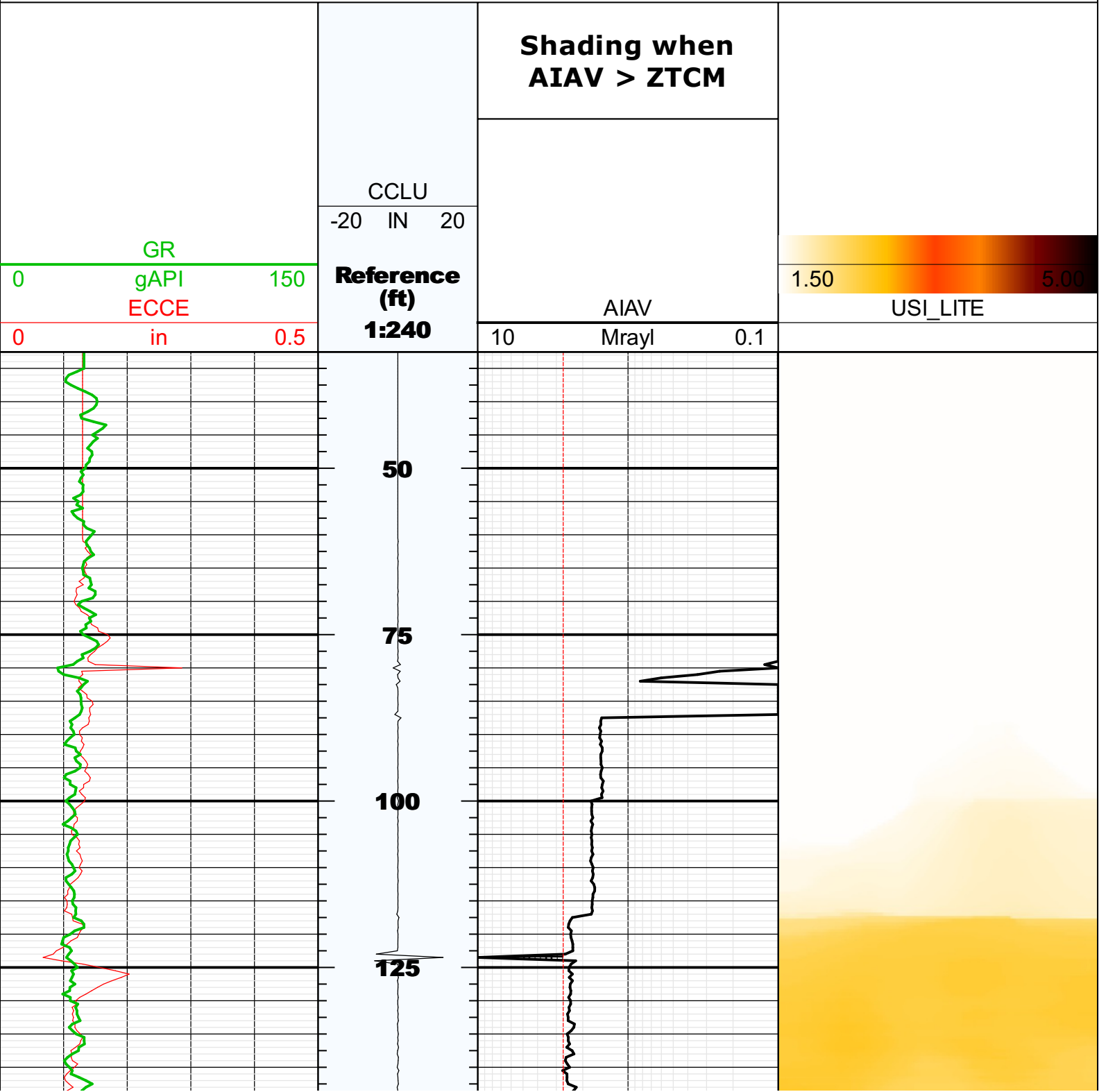
DISCLAIMER

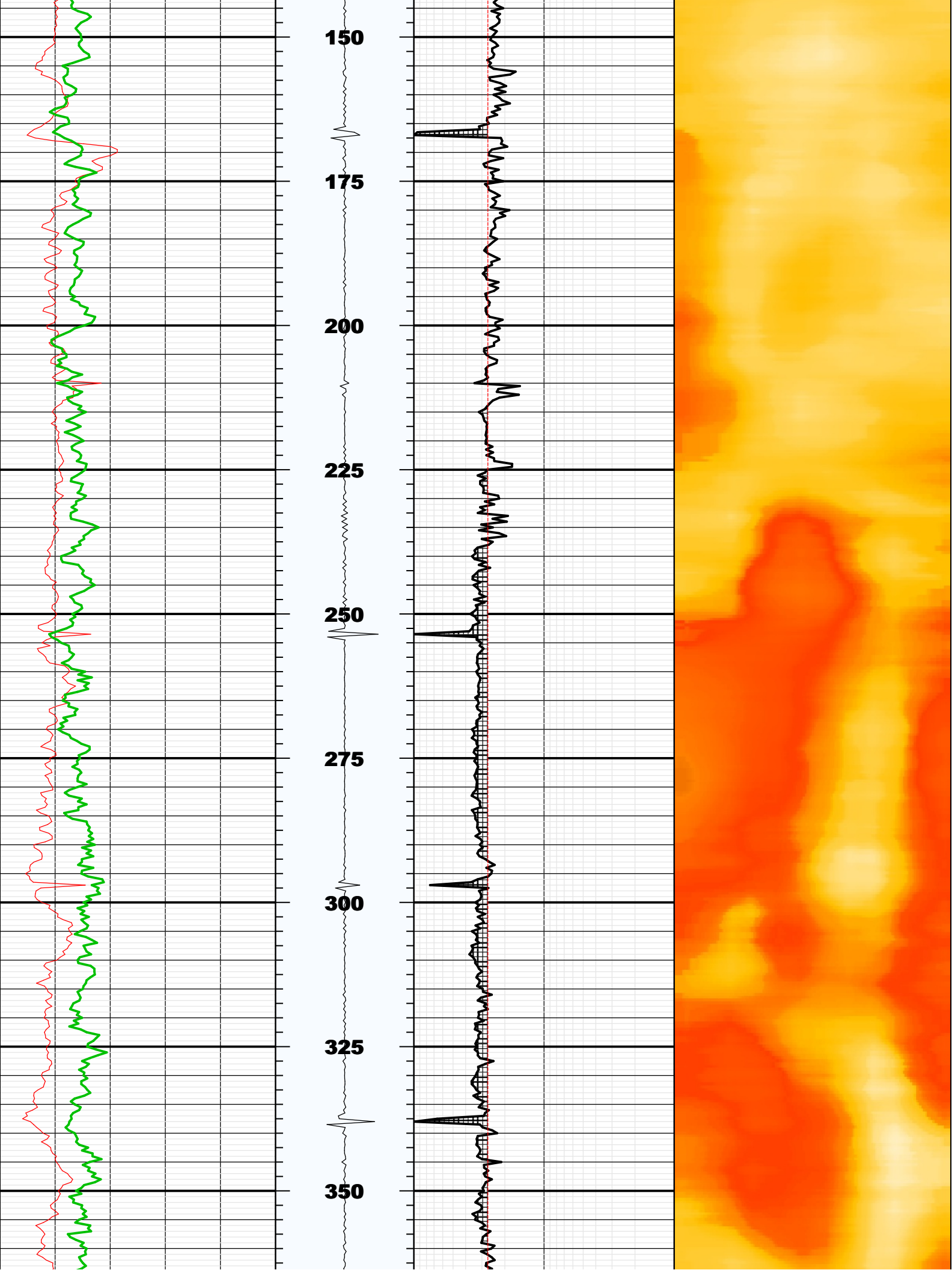
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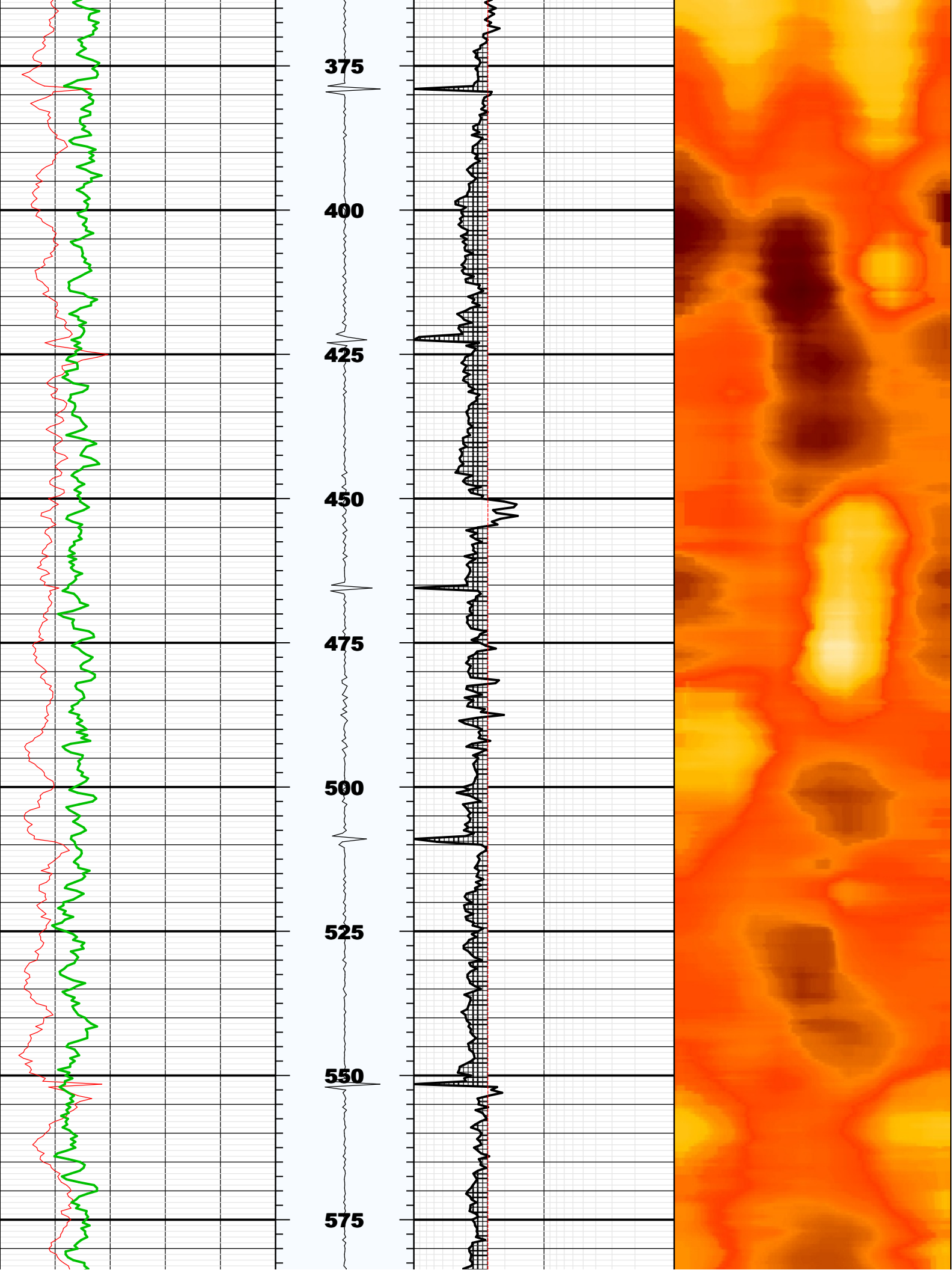


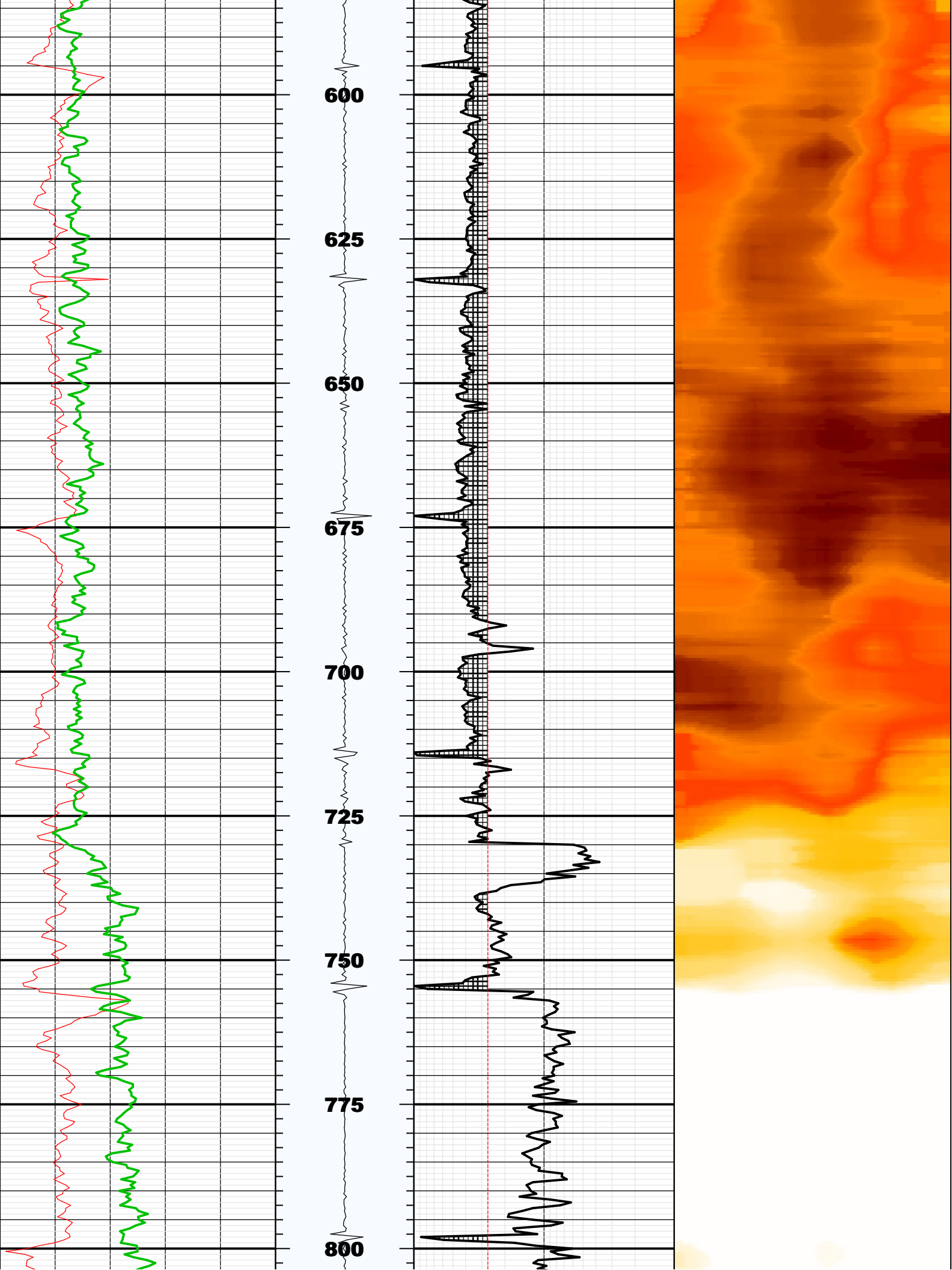
Main Pass

Company: Noble Energy Inc  
Well: Romero PC G10-79HN  
Field: Wattenberg

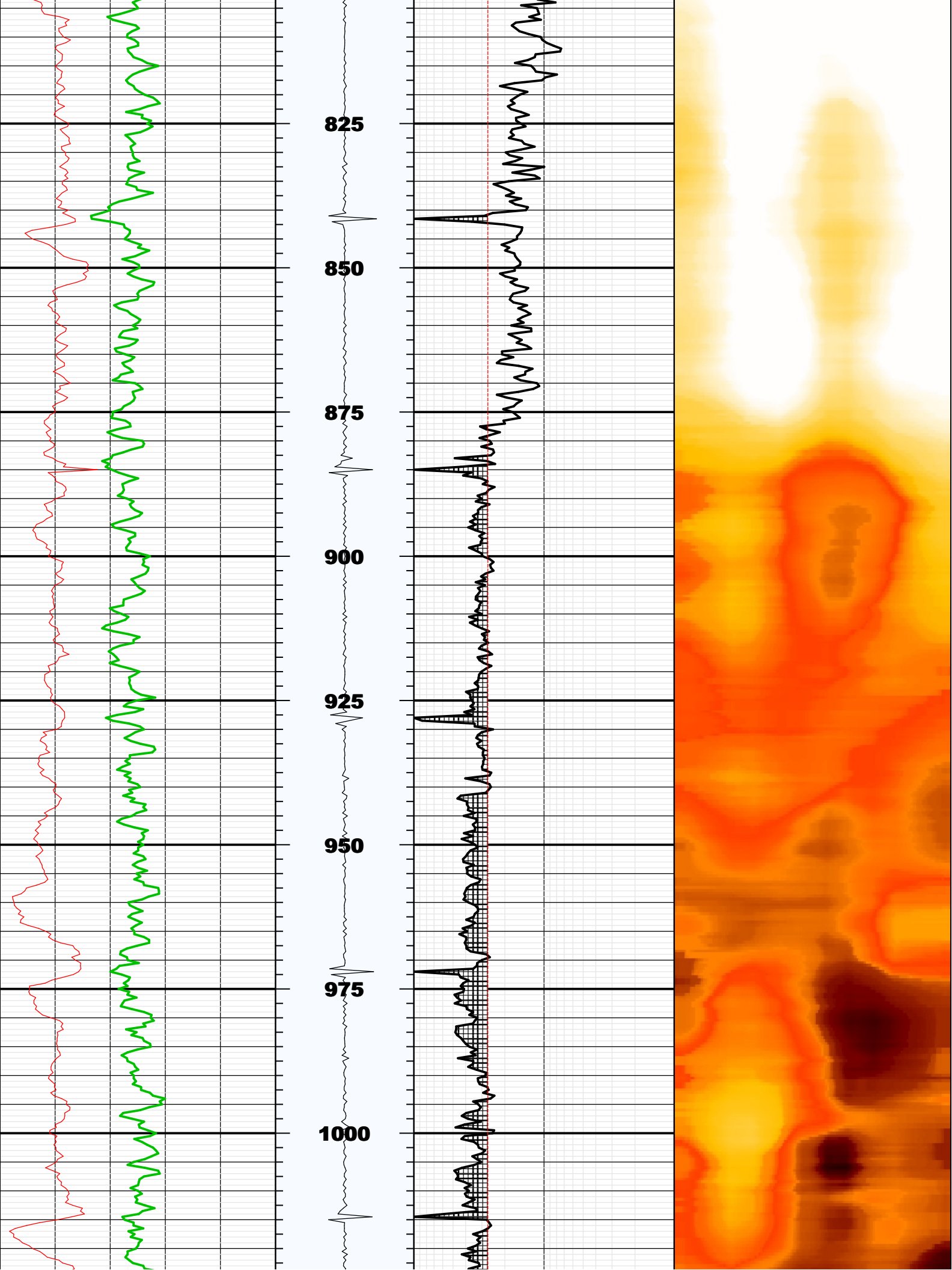


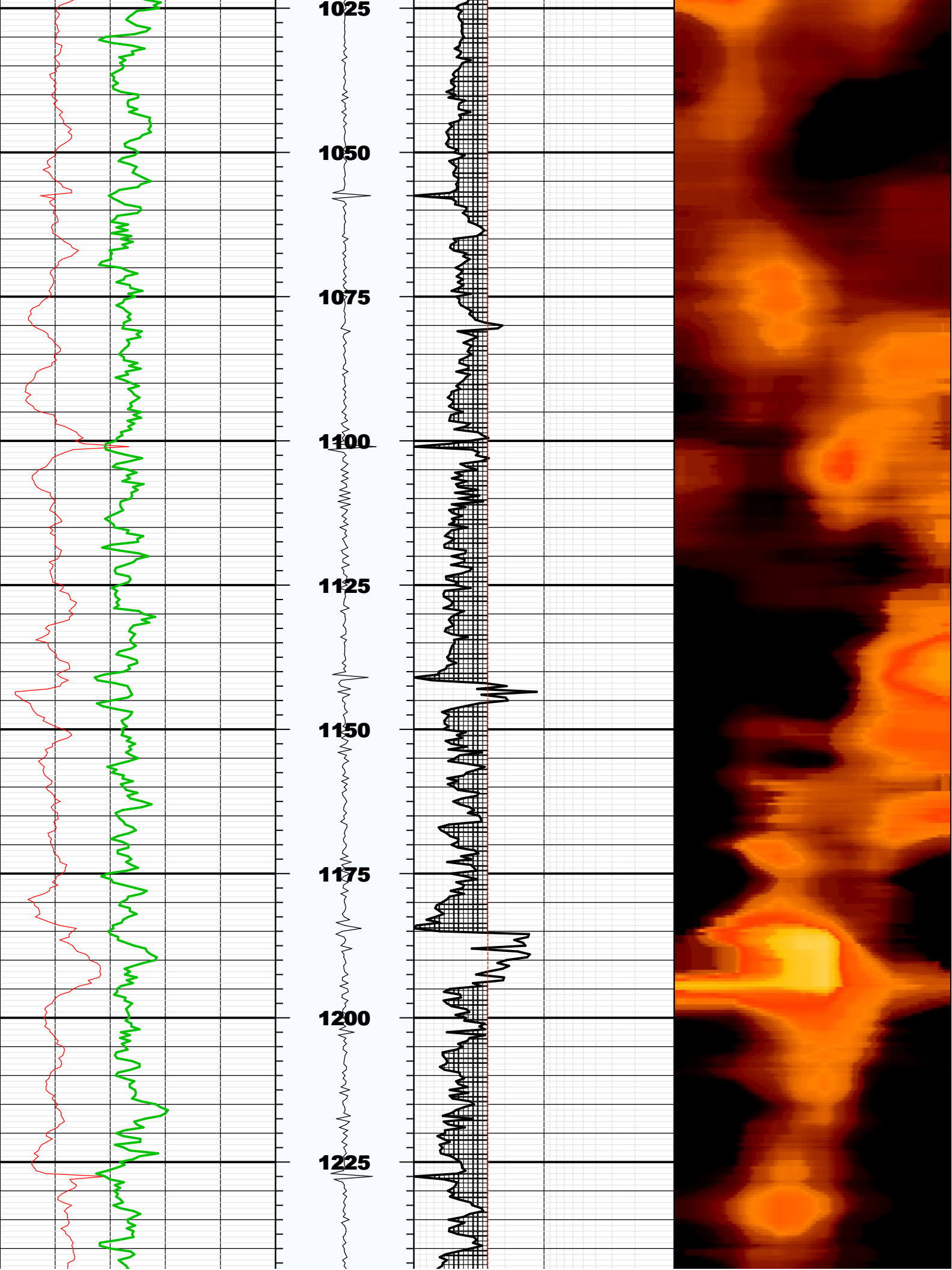




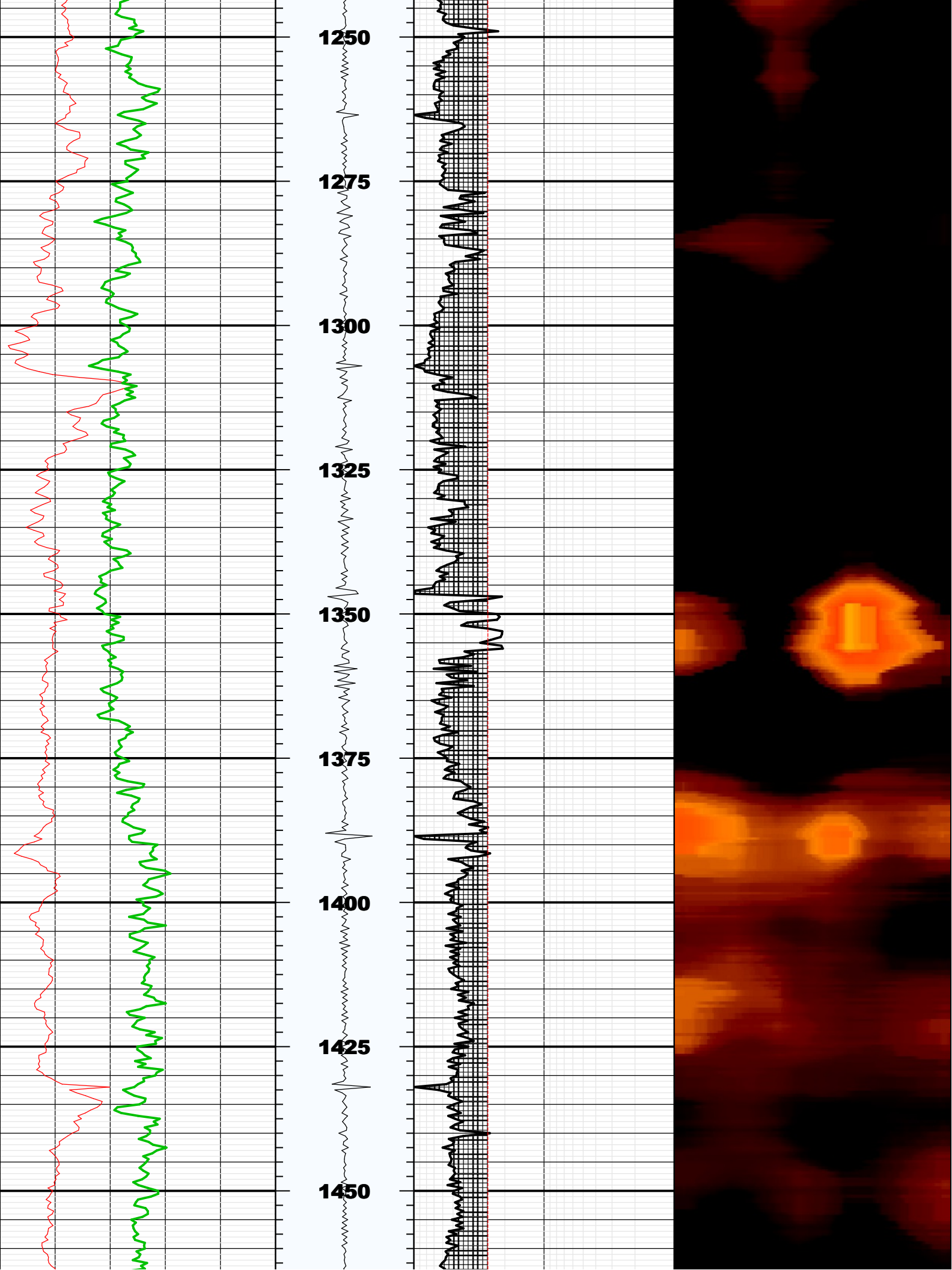


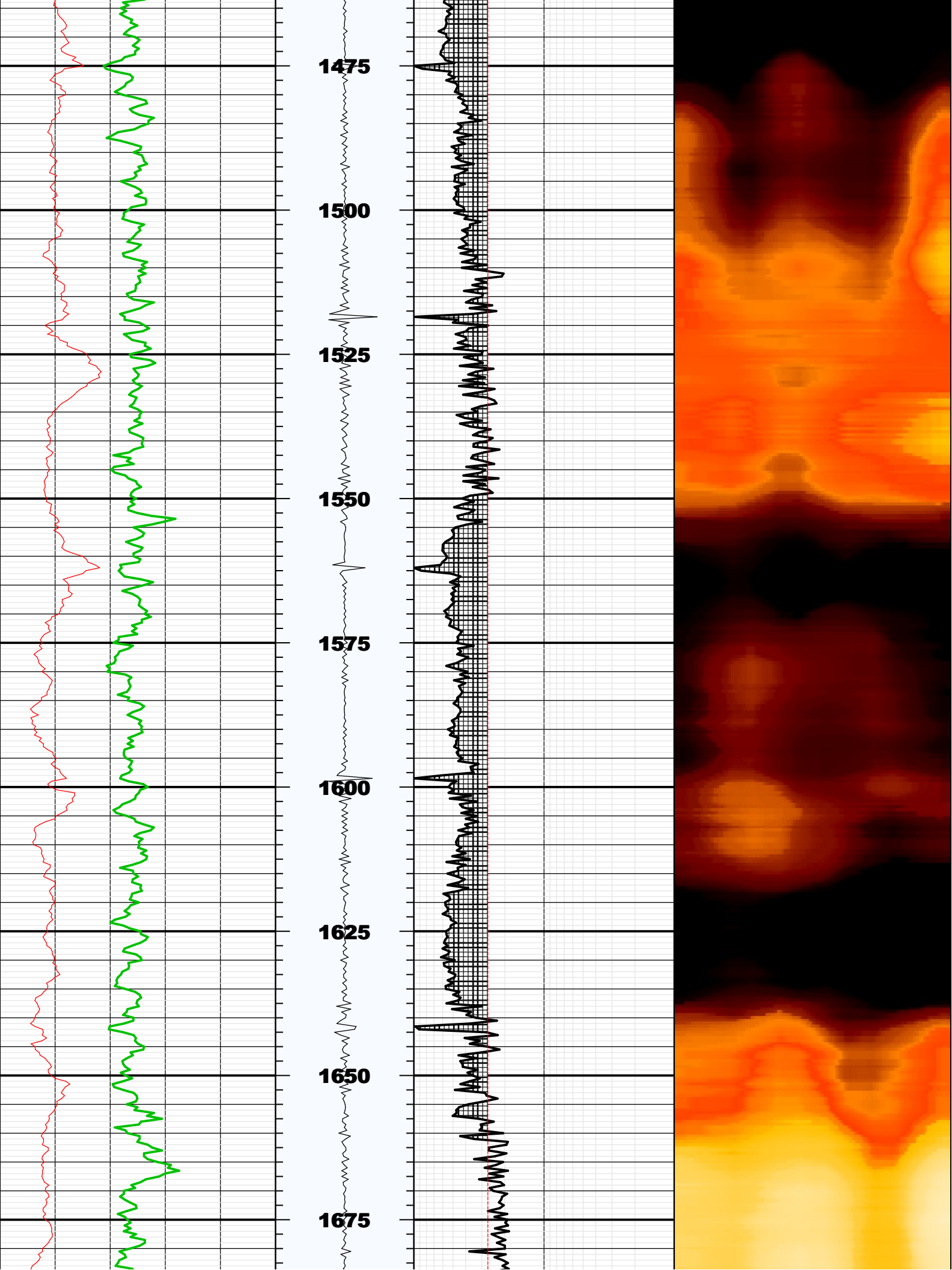


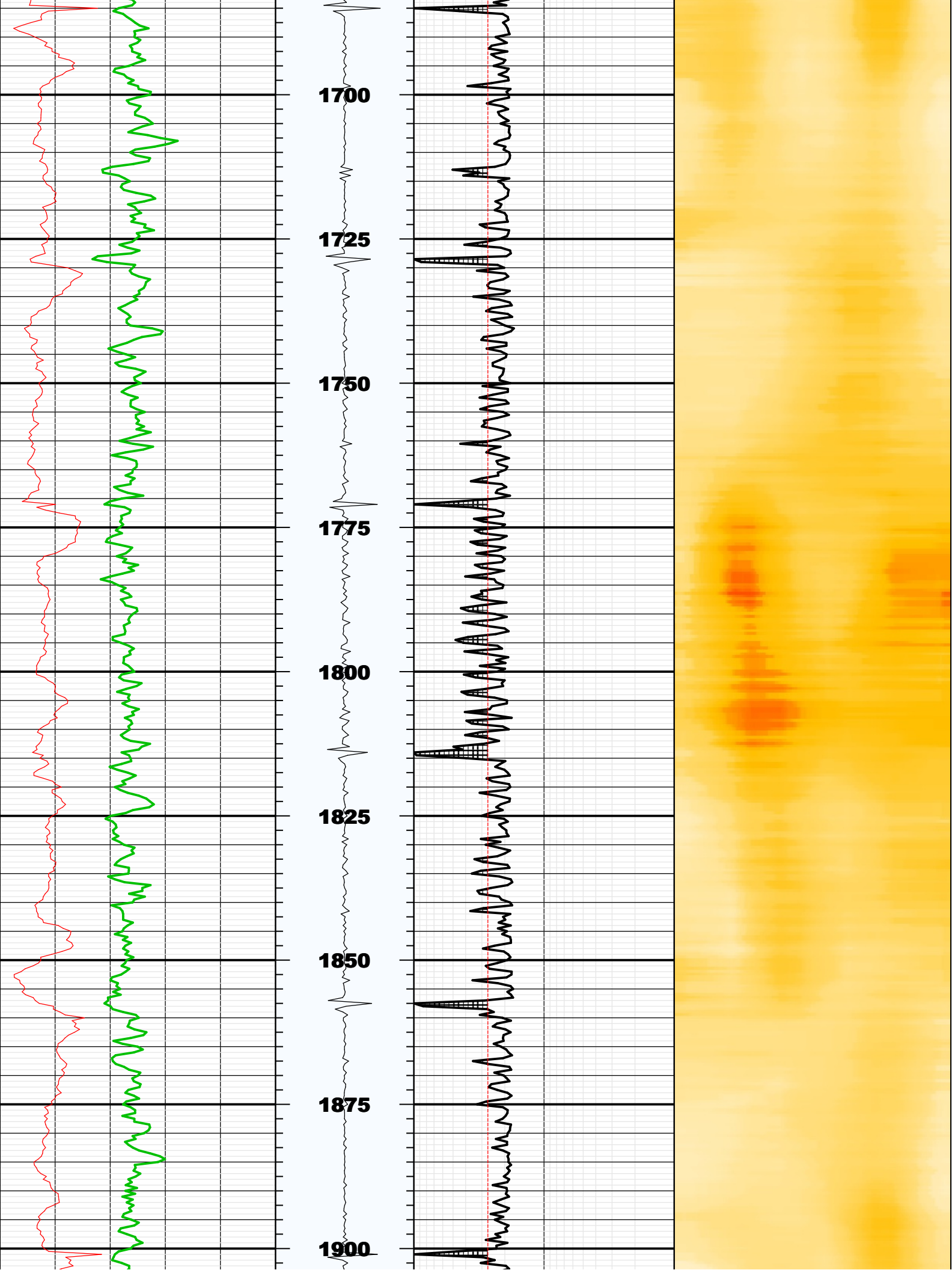


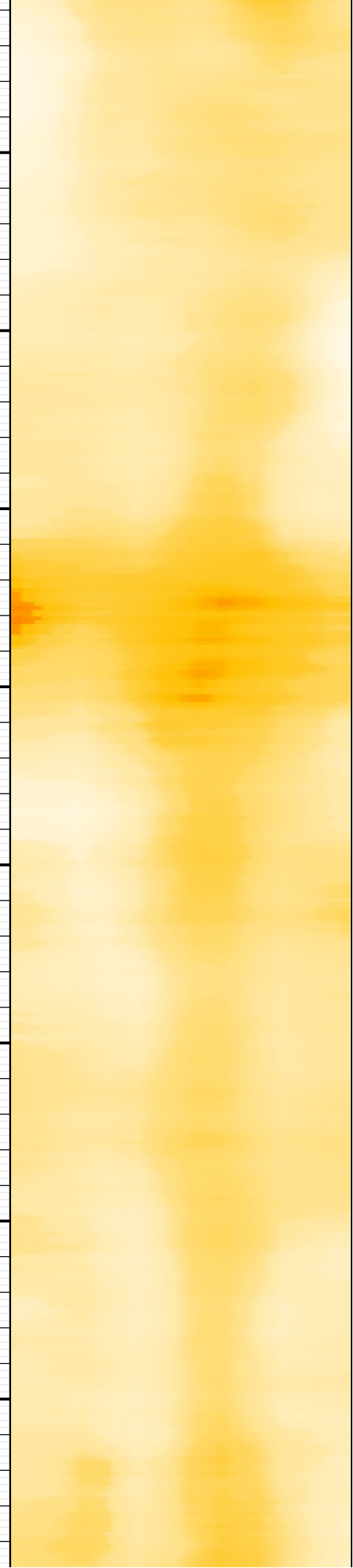
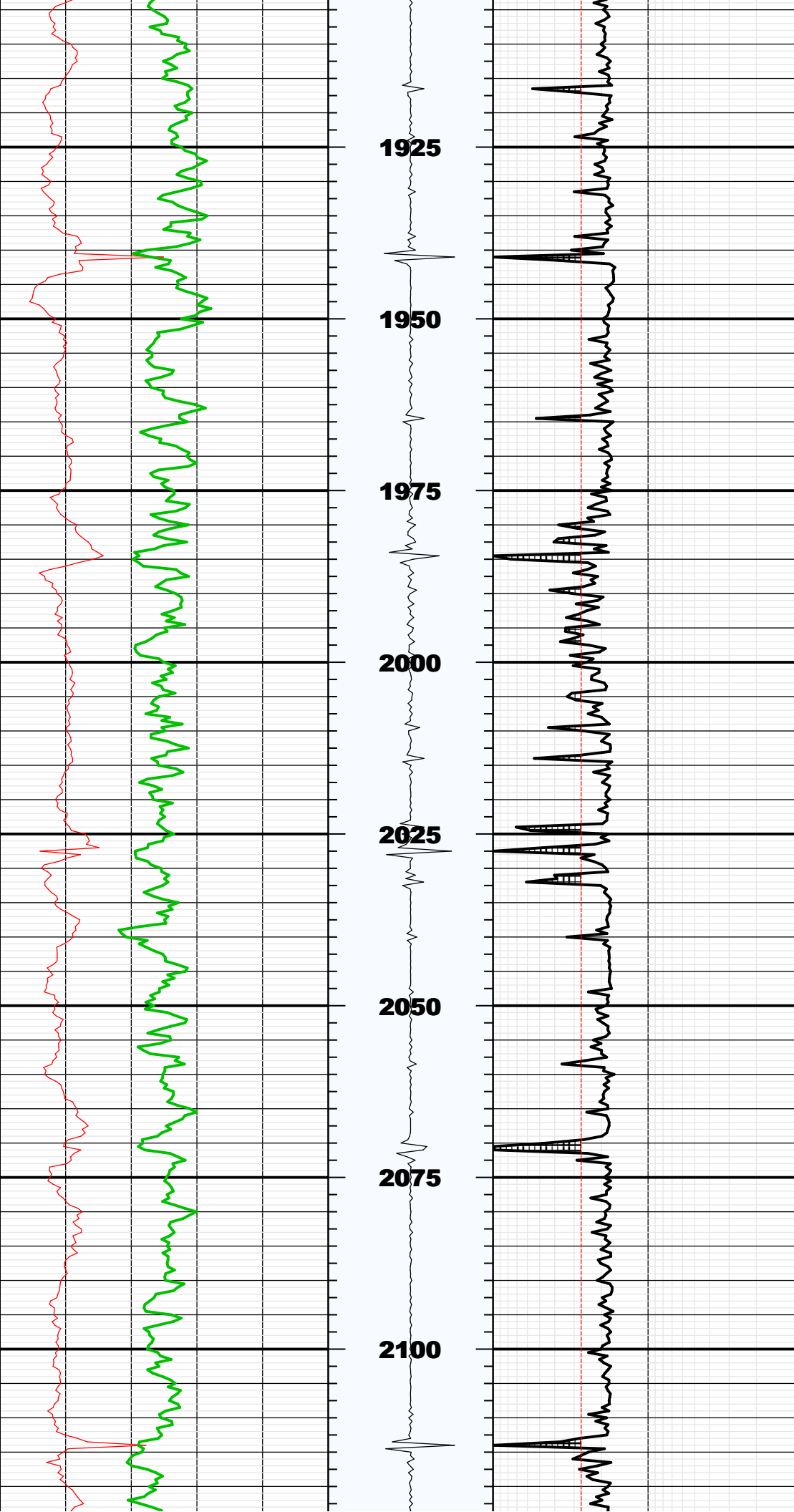




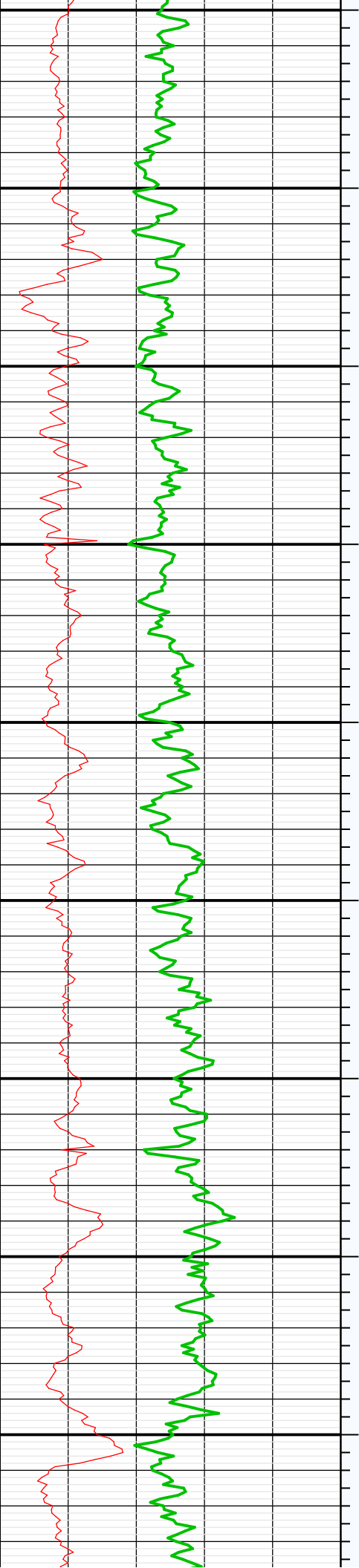












2125

2150

2175

2200

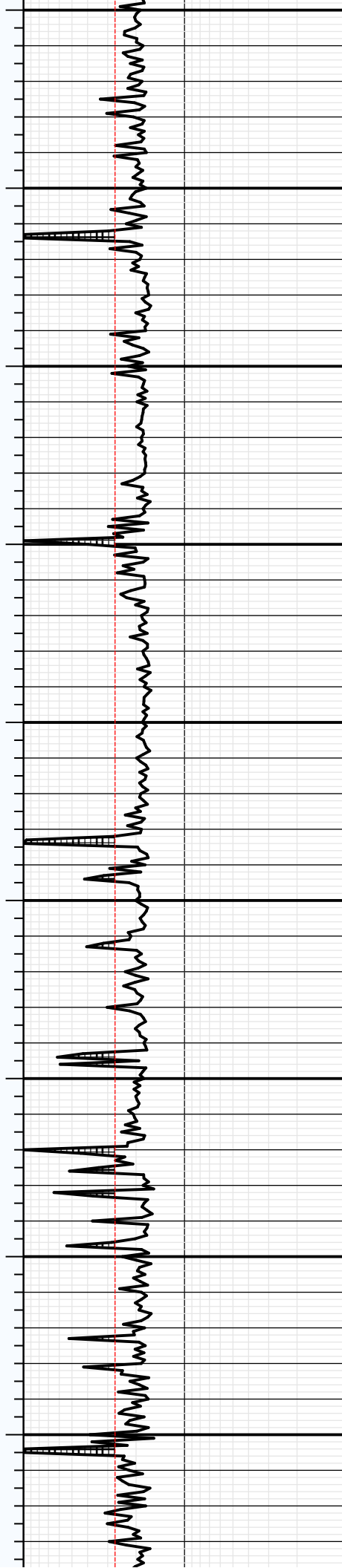
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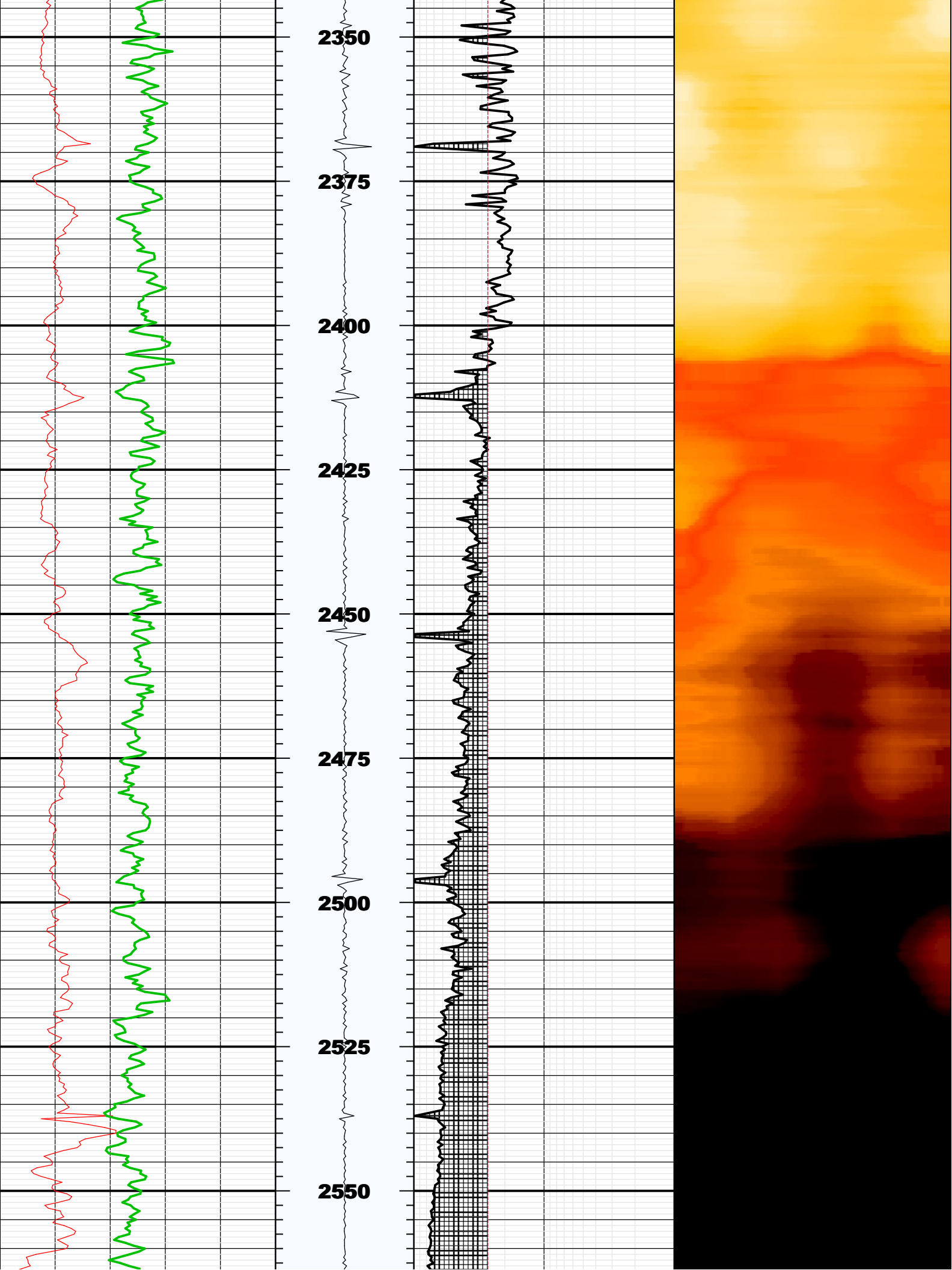
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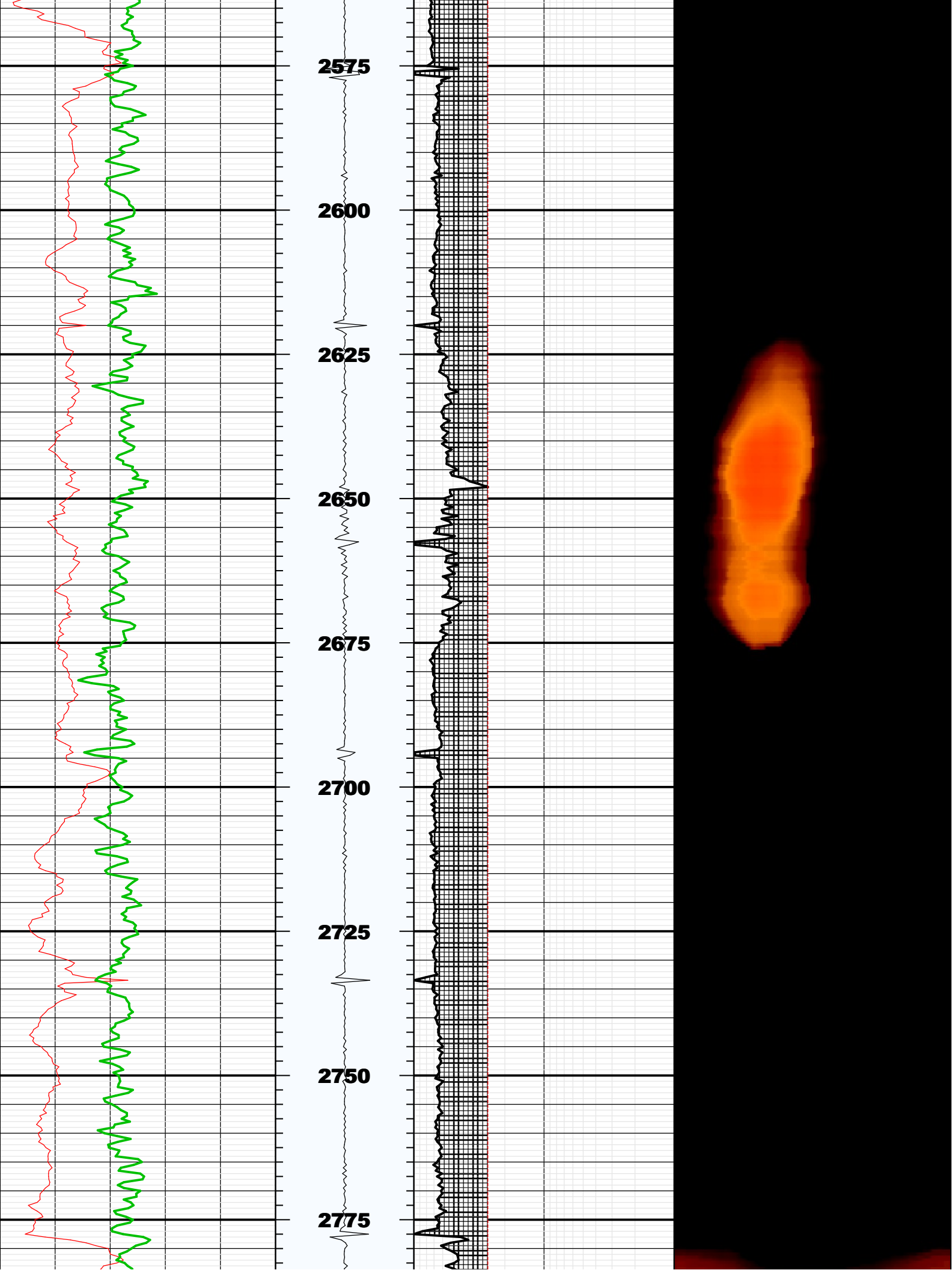
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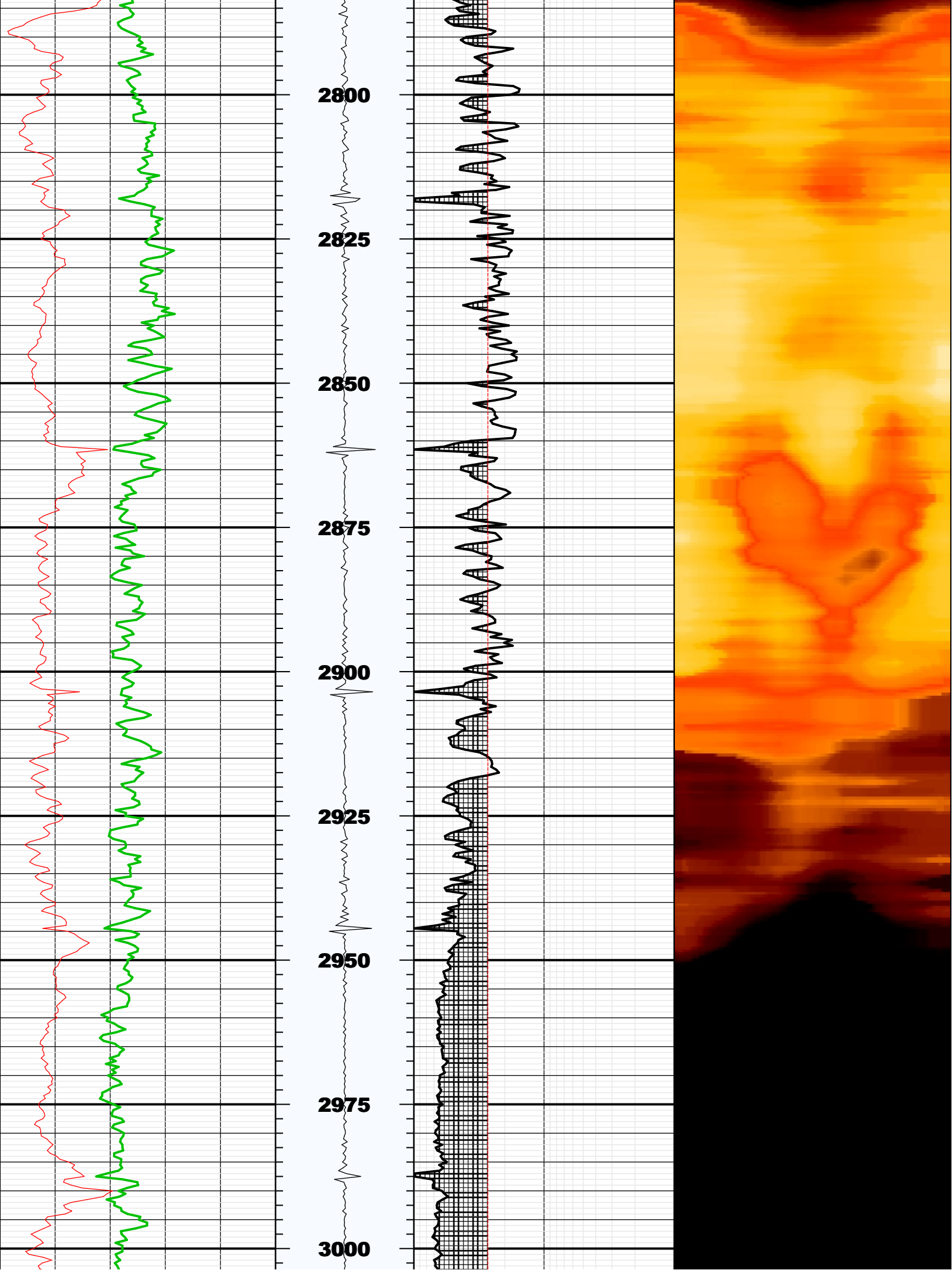
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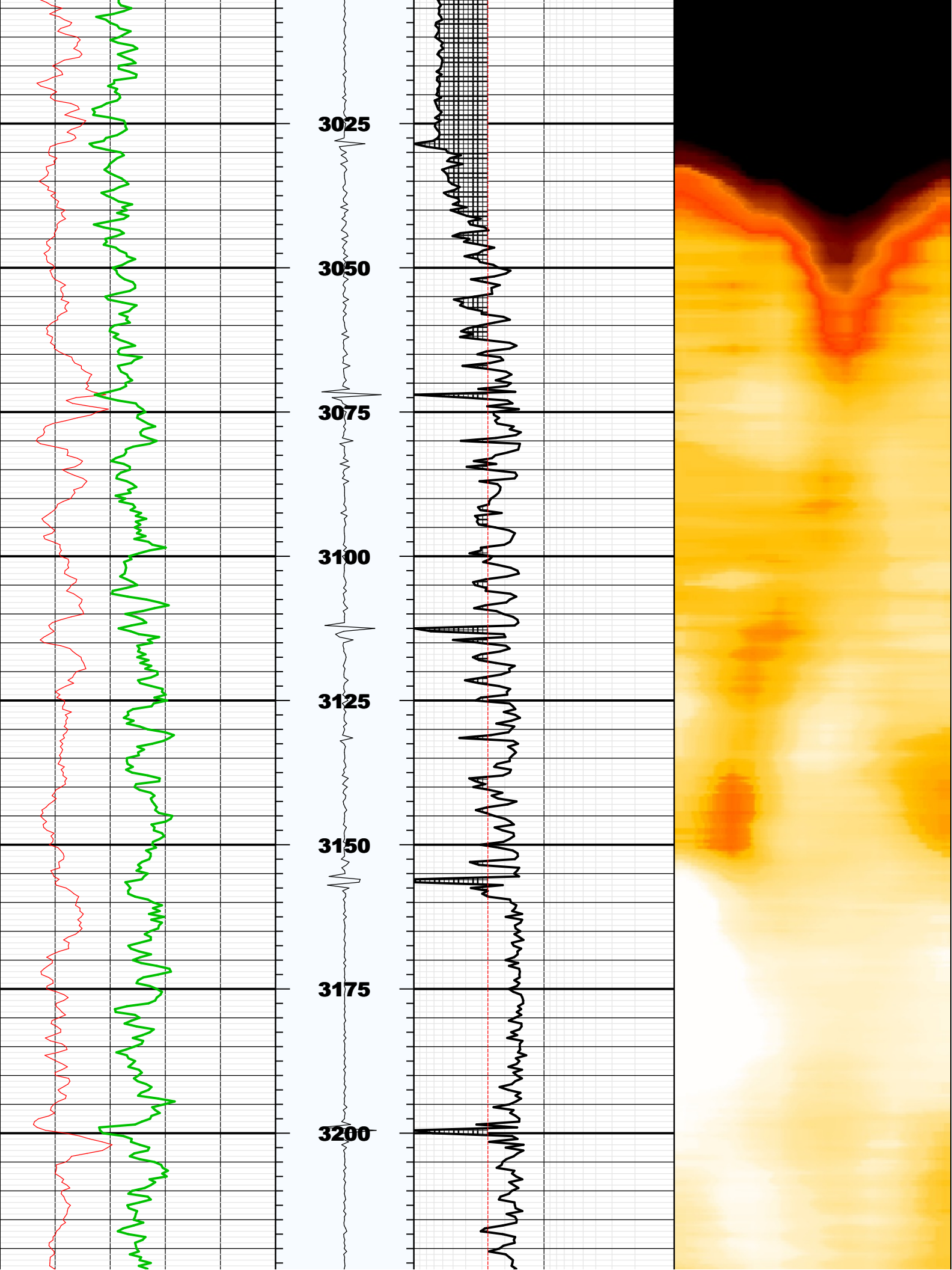


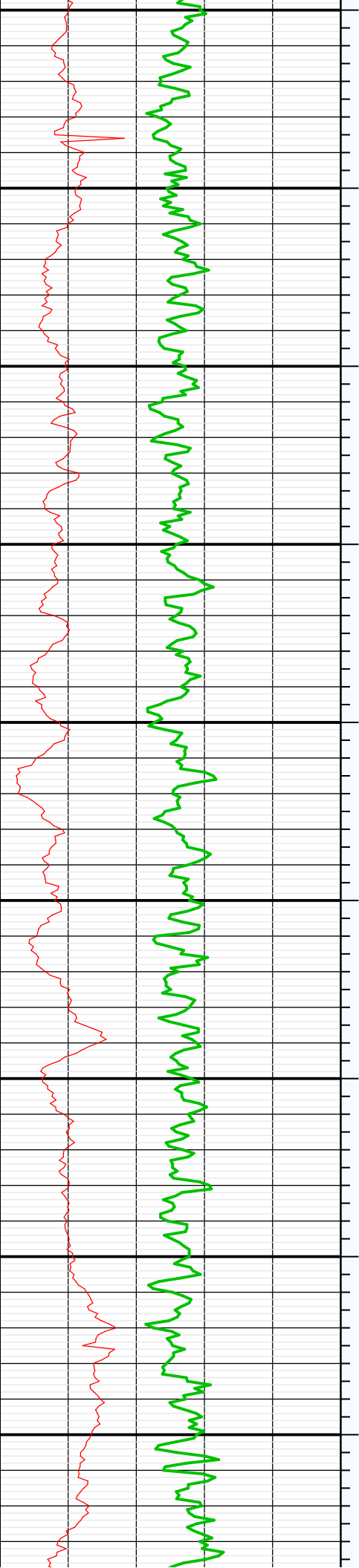












3225

3250

3275

3300

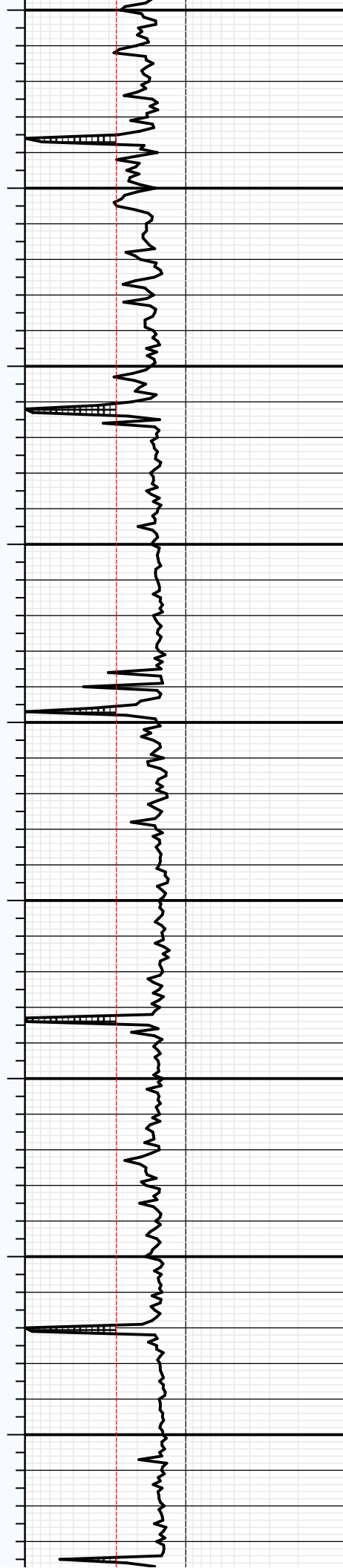
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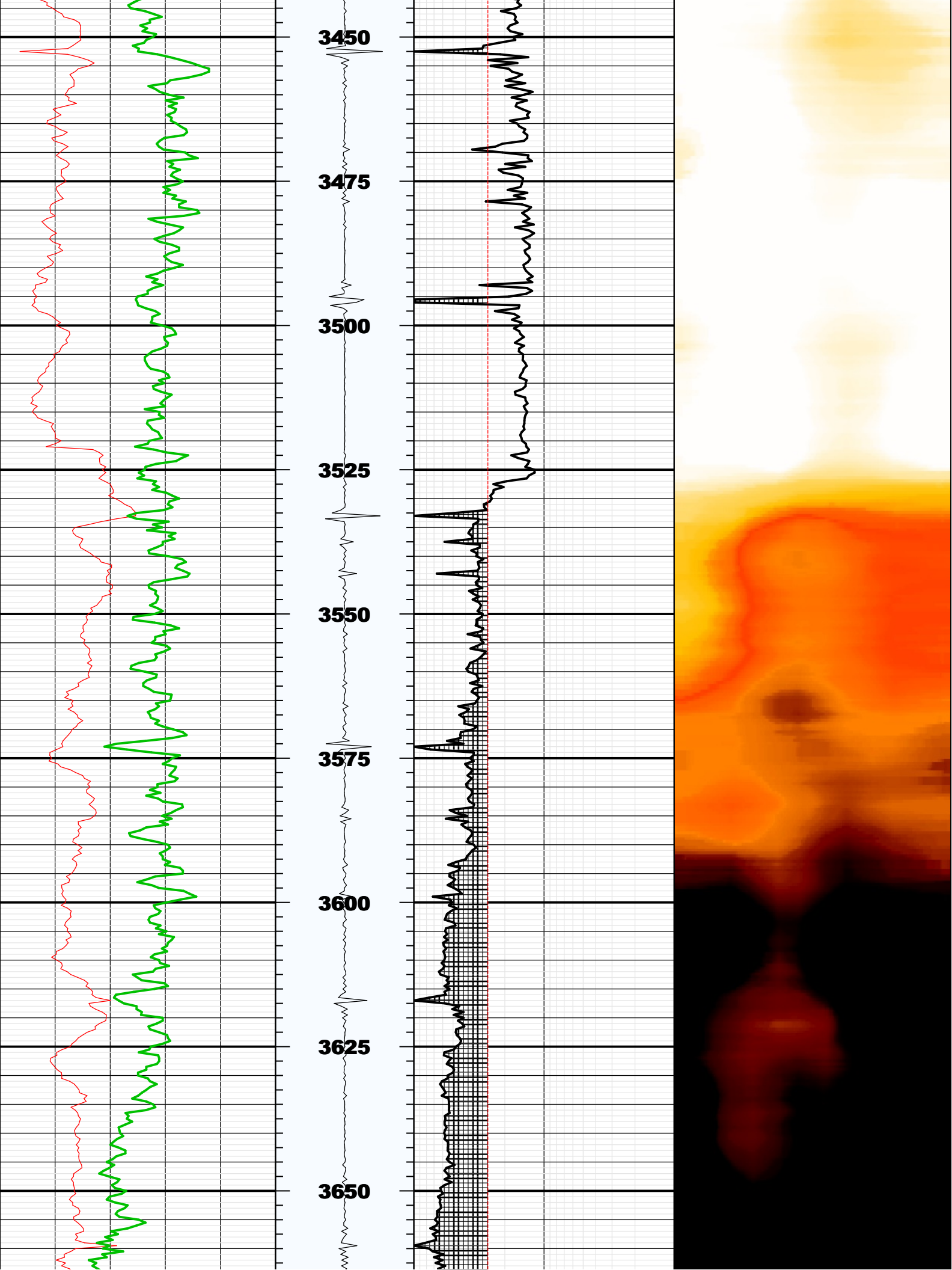
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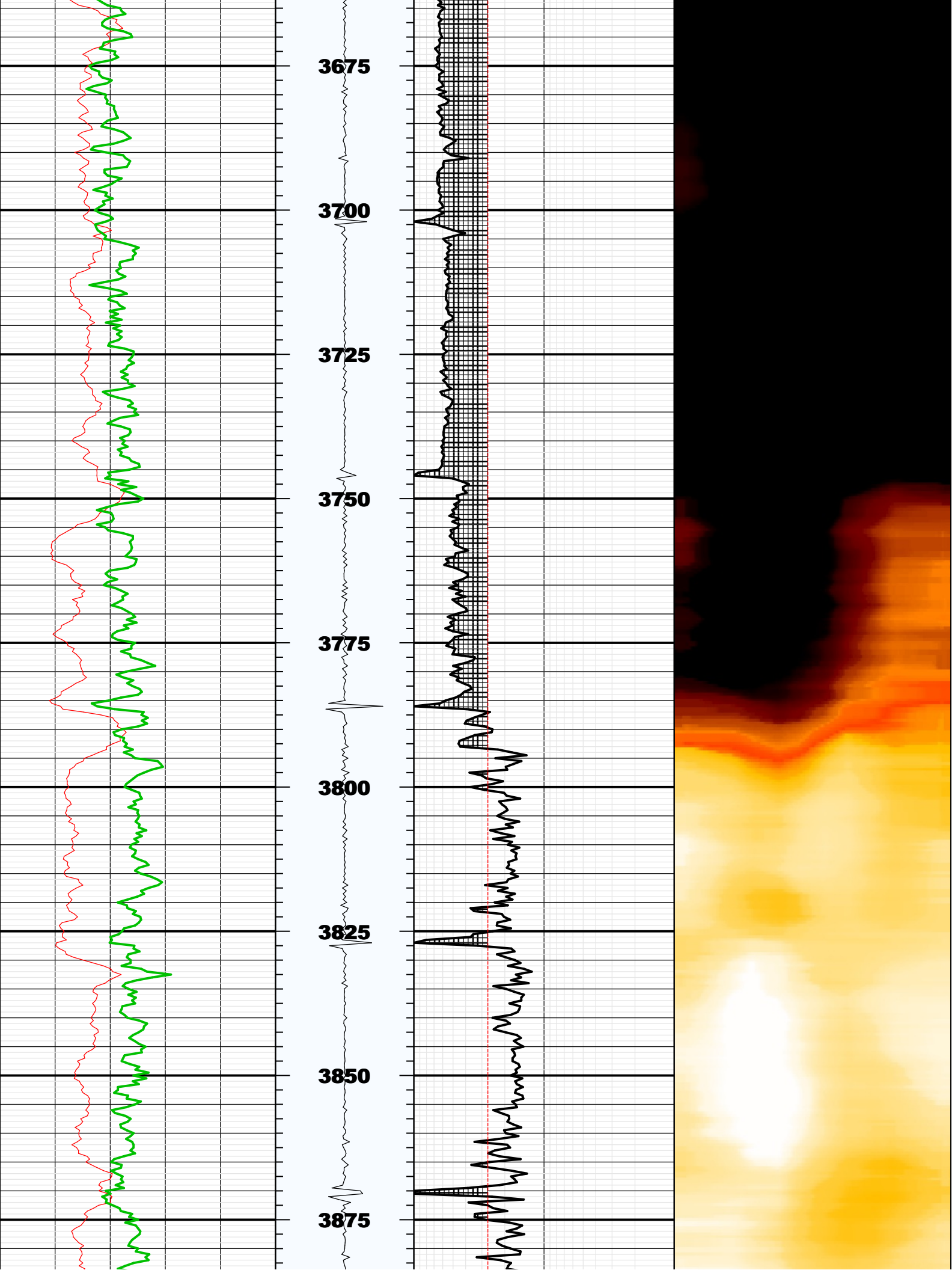
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3425

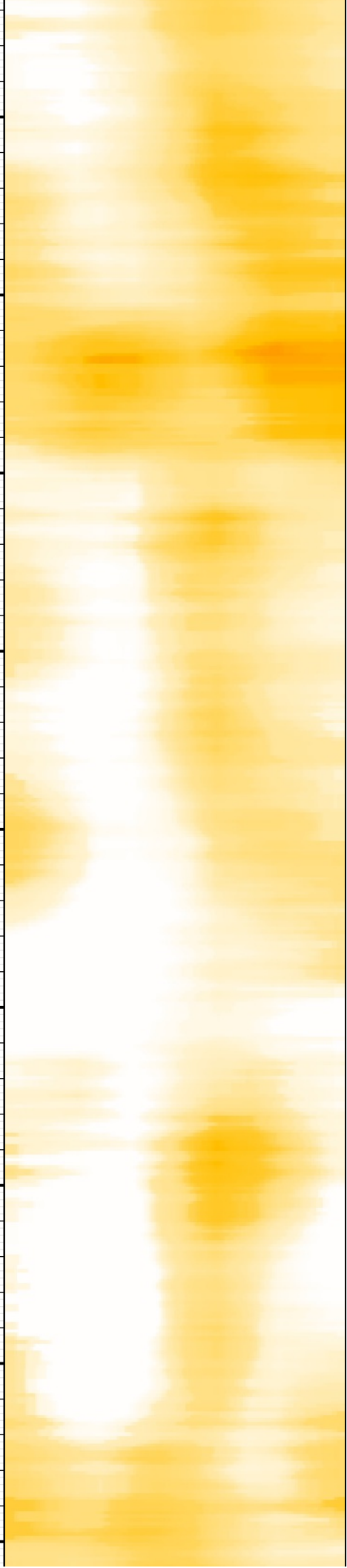
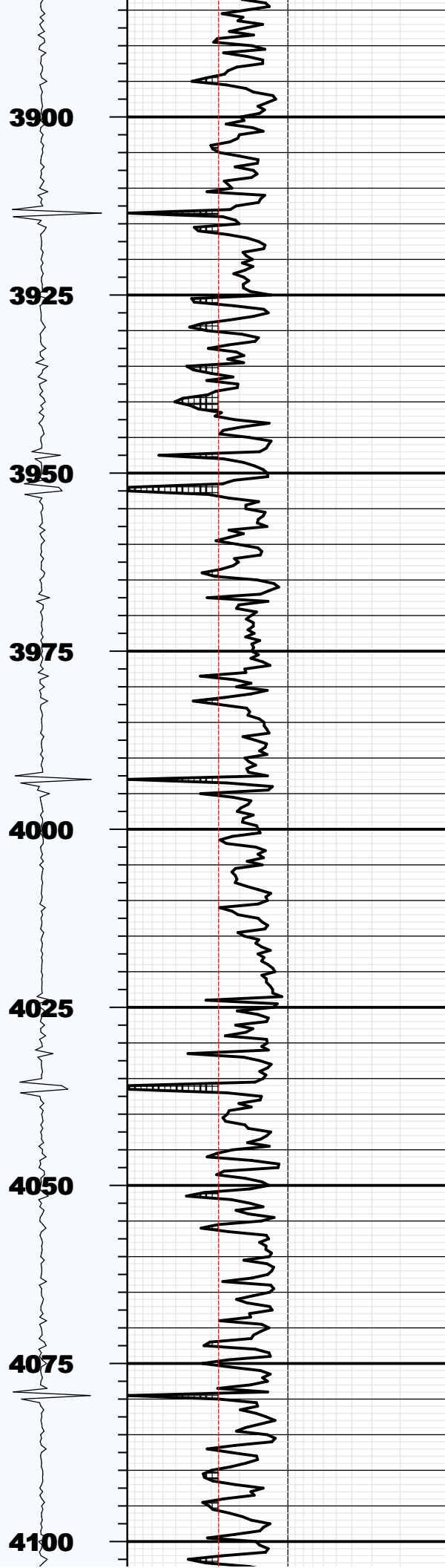
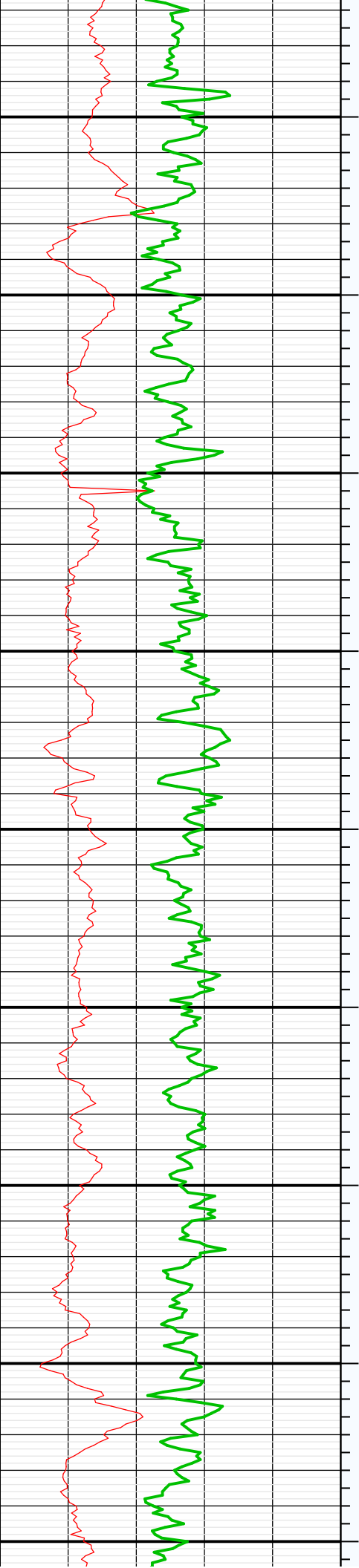


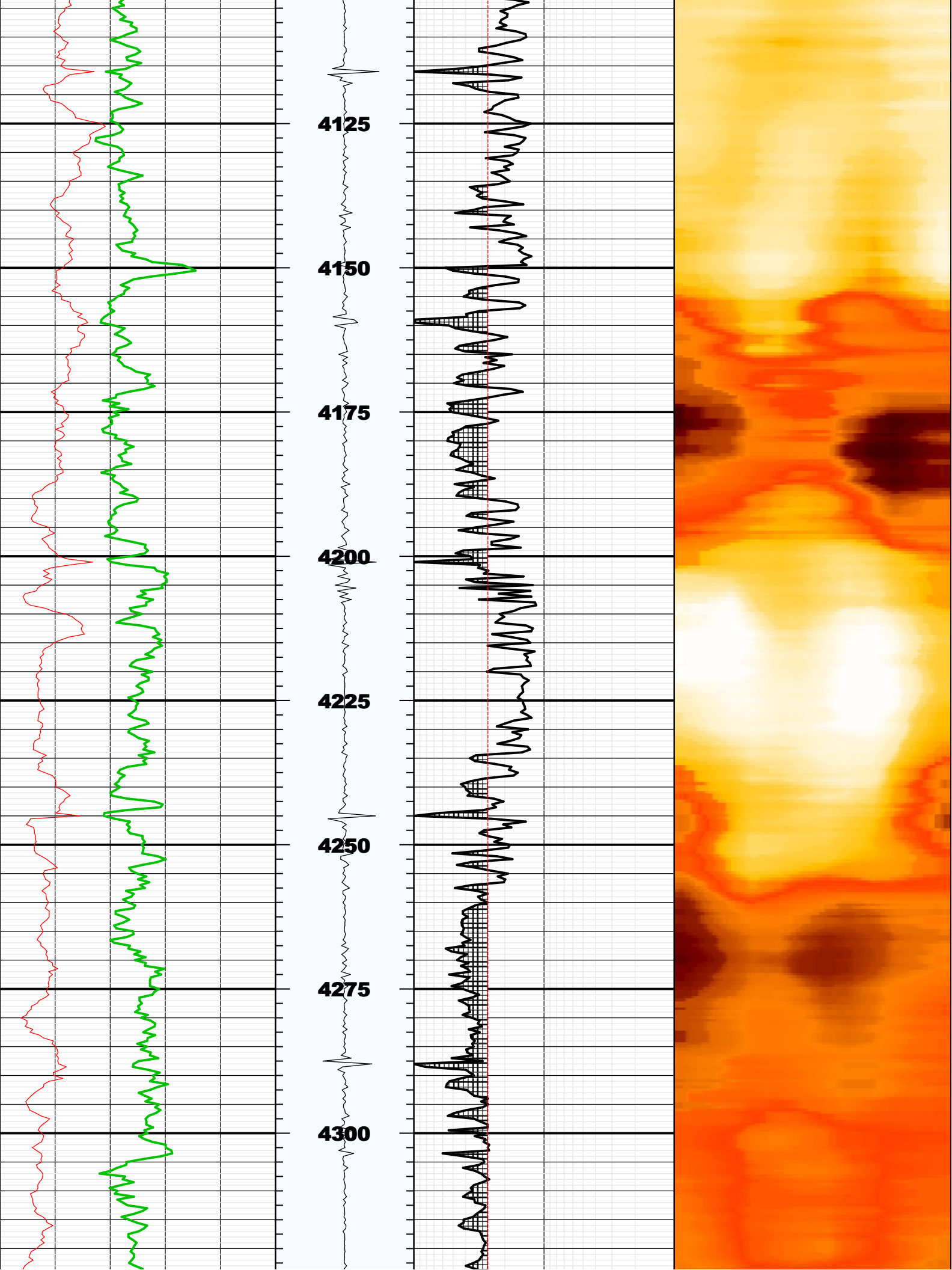


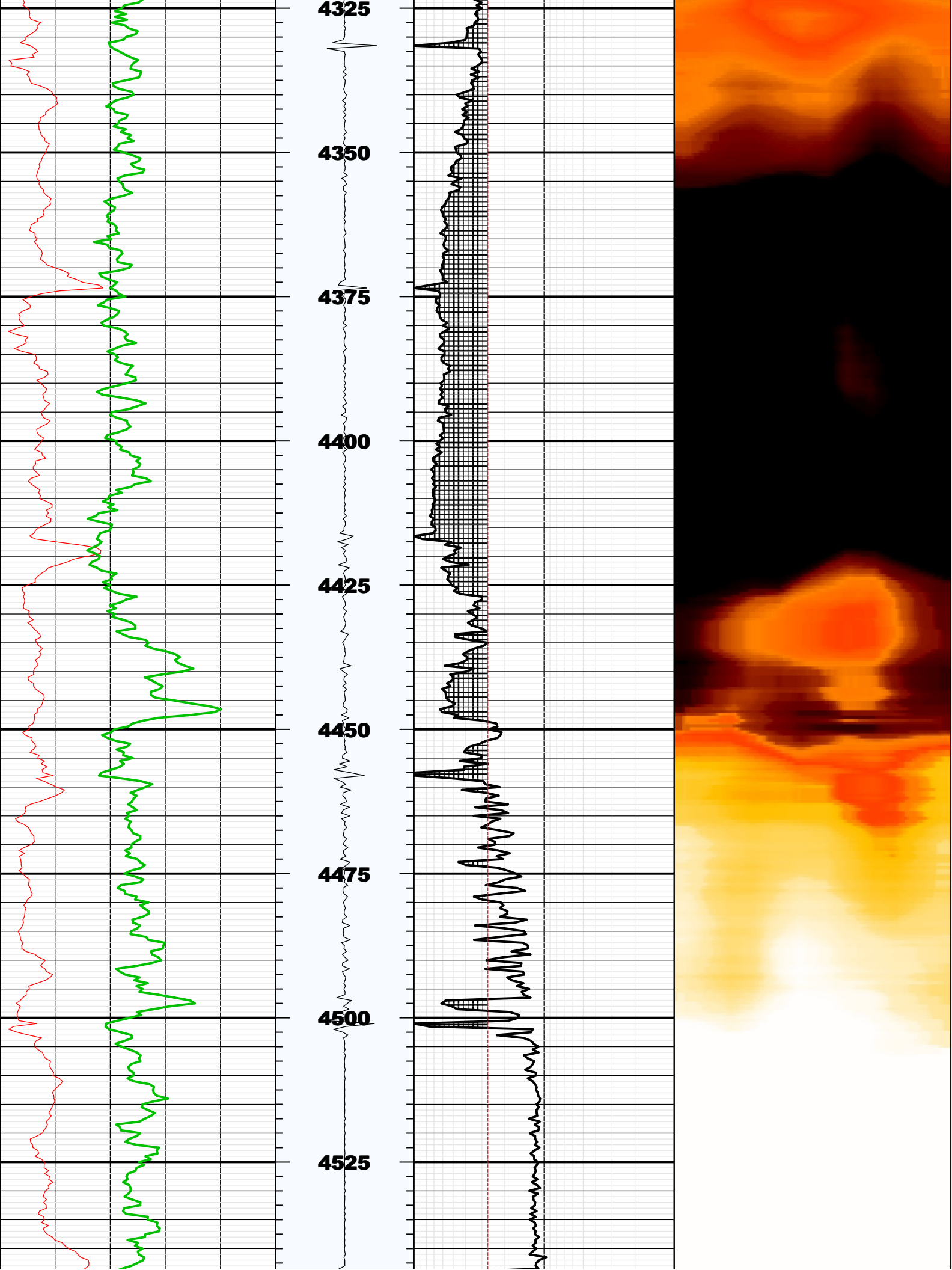


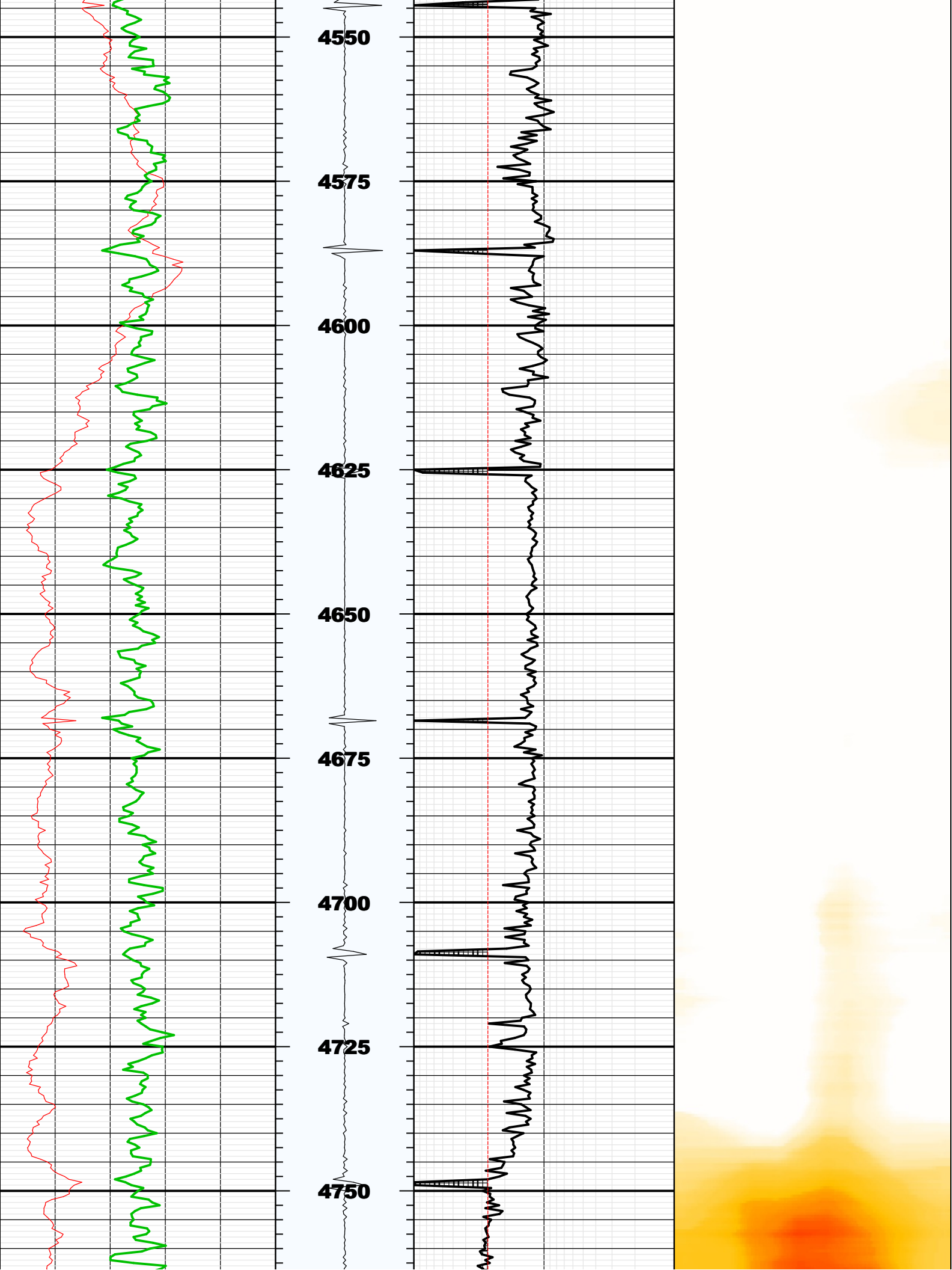




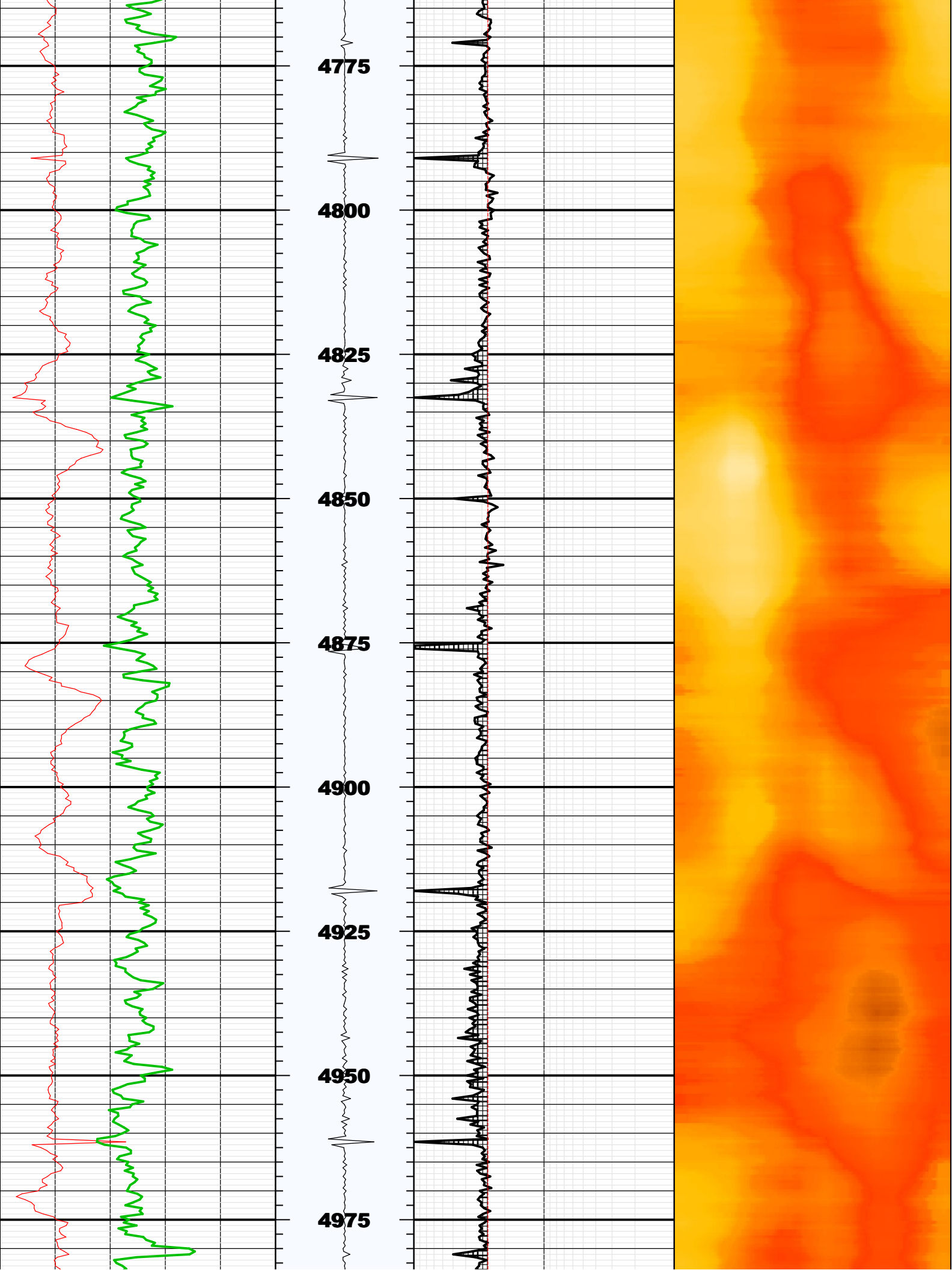


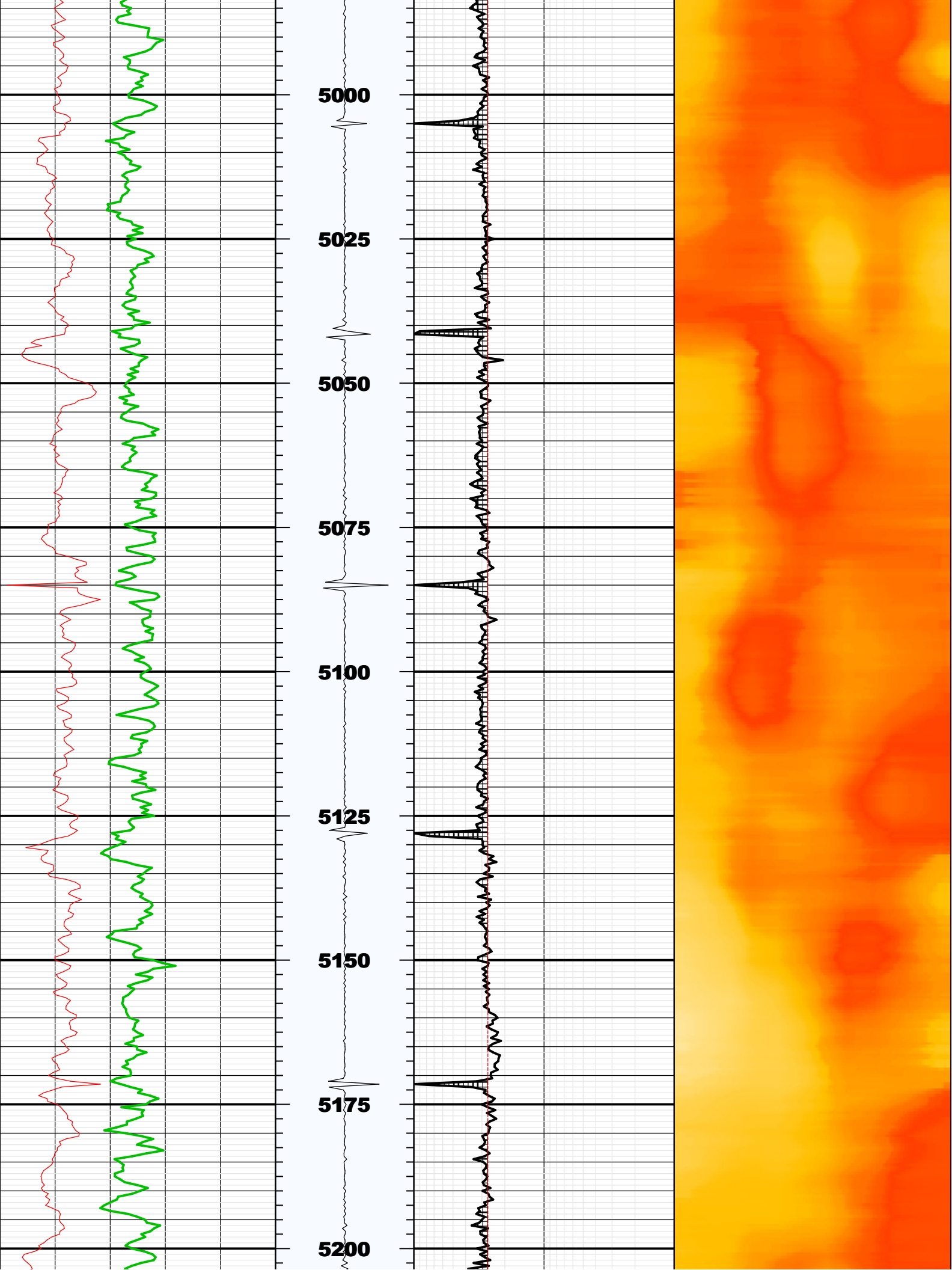




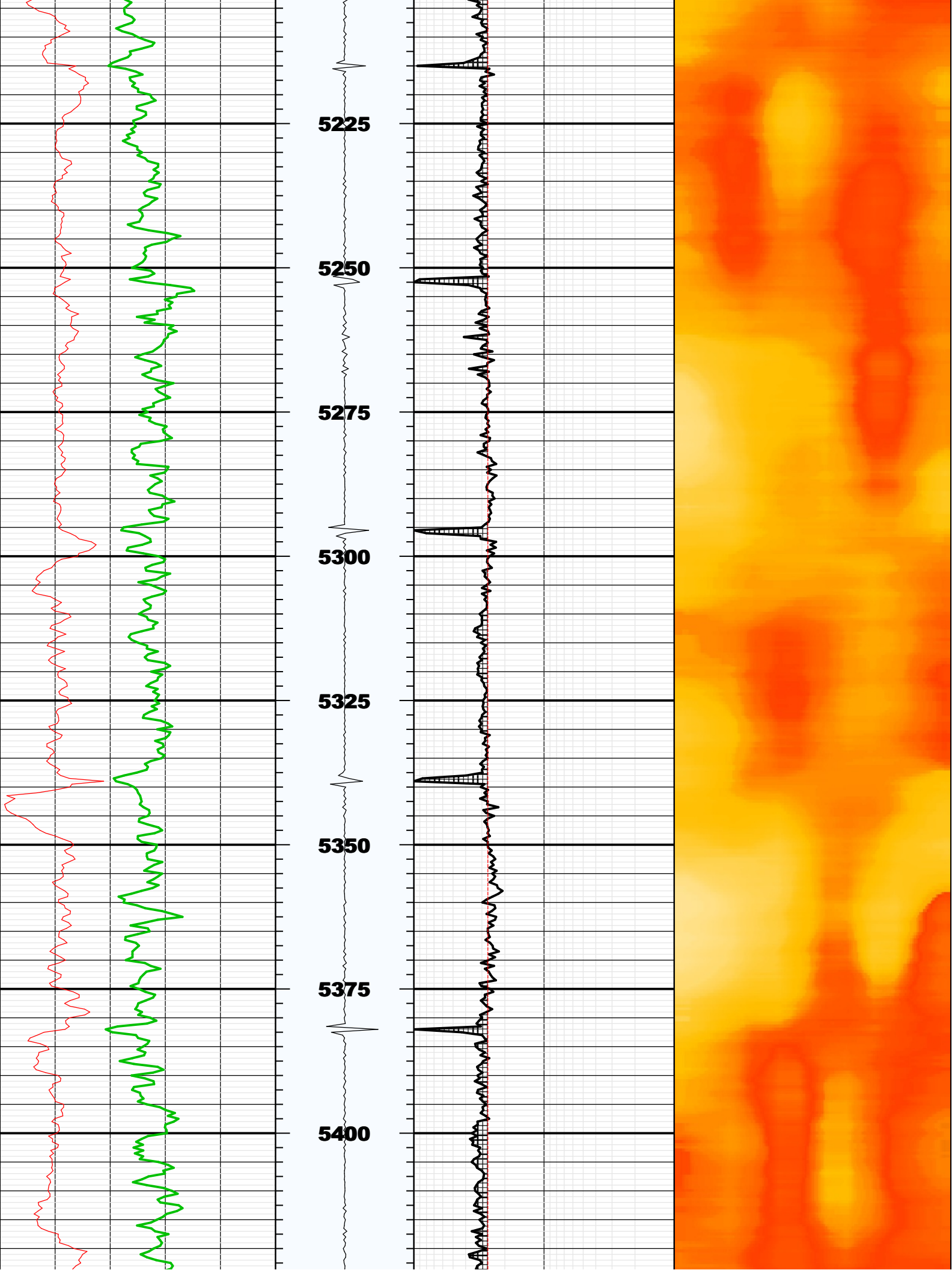


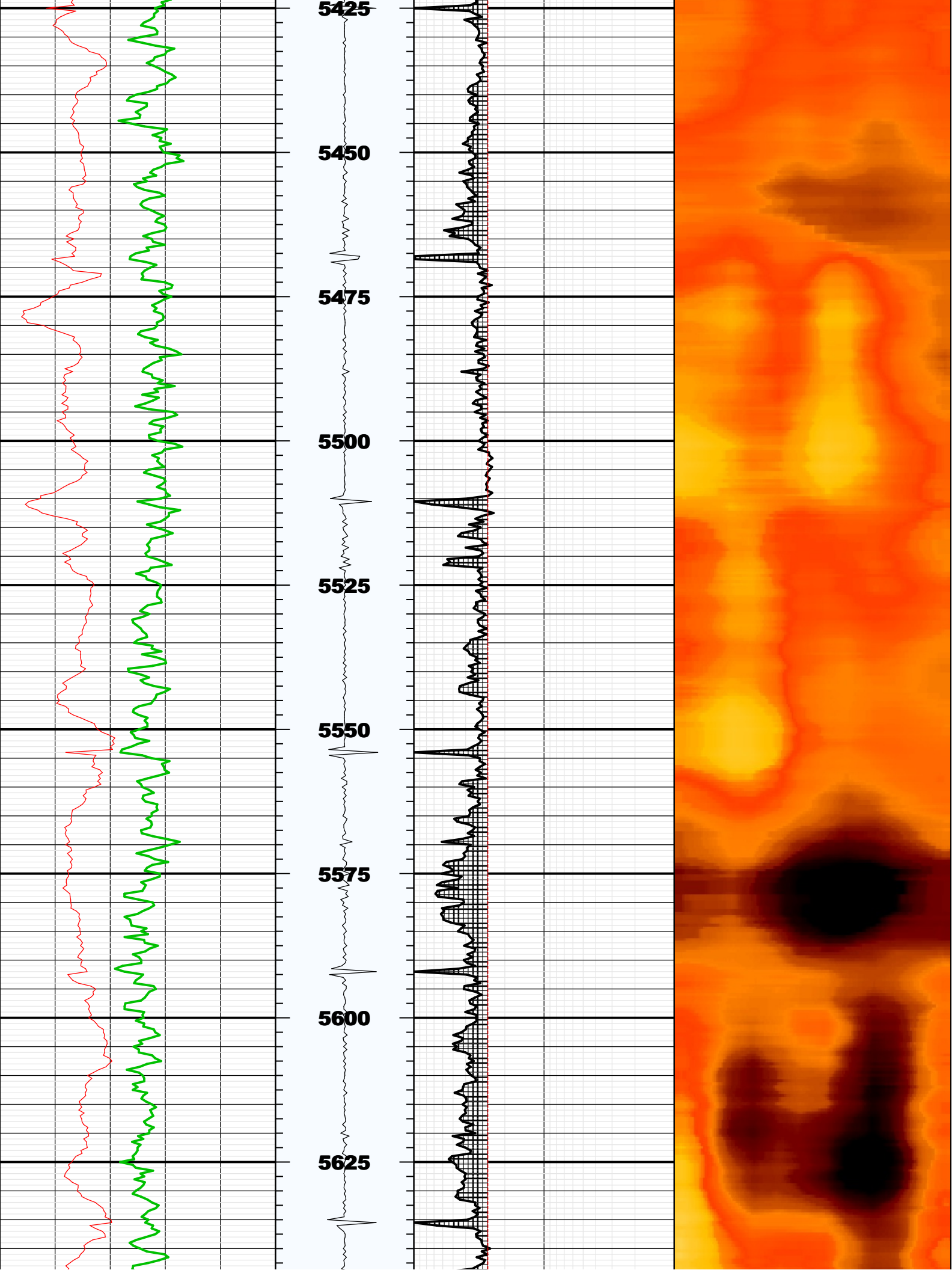


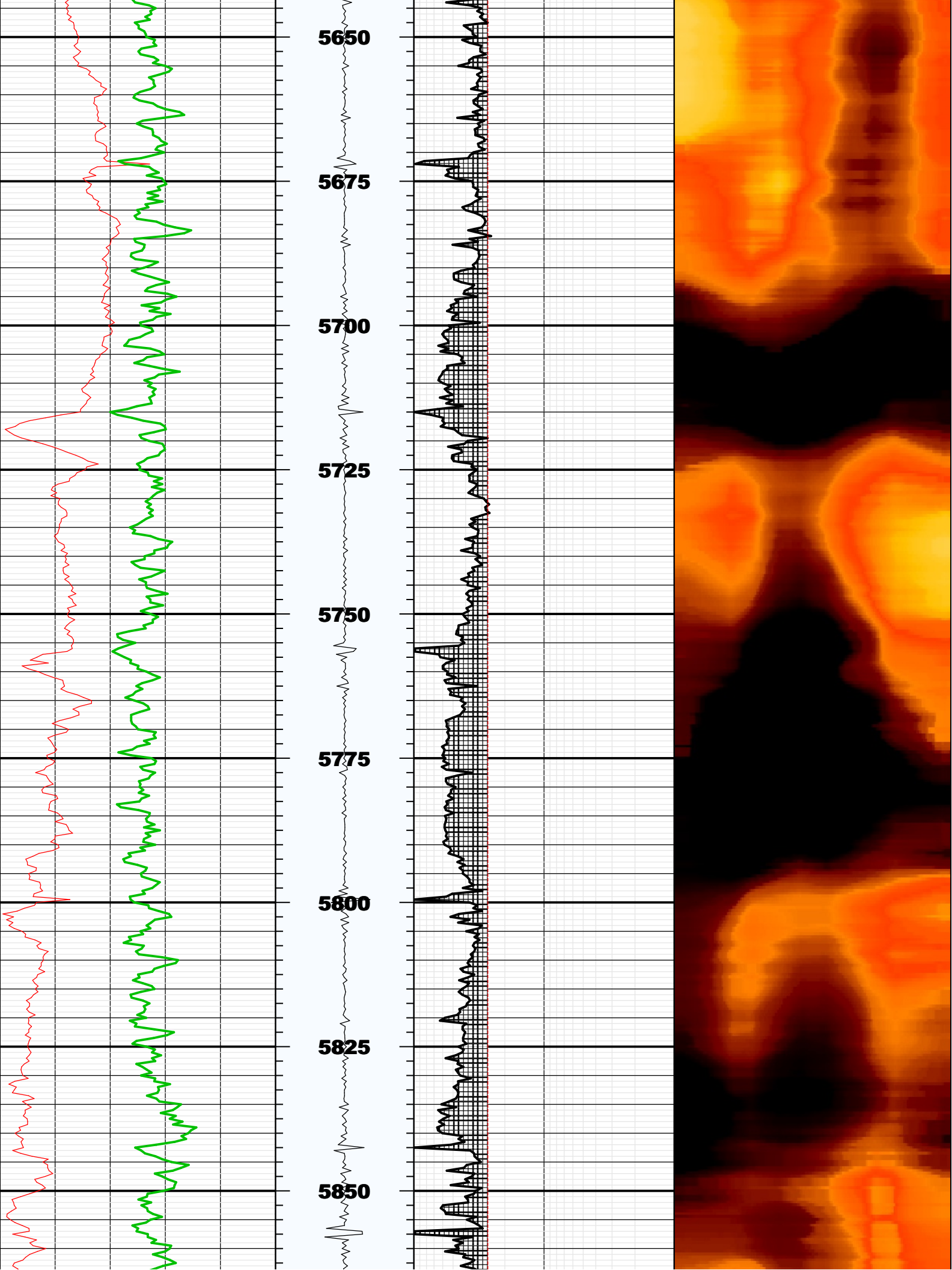


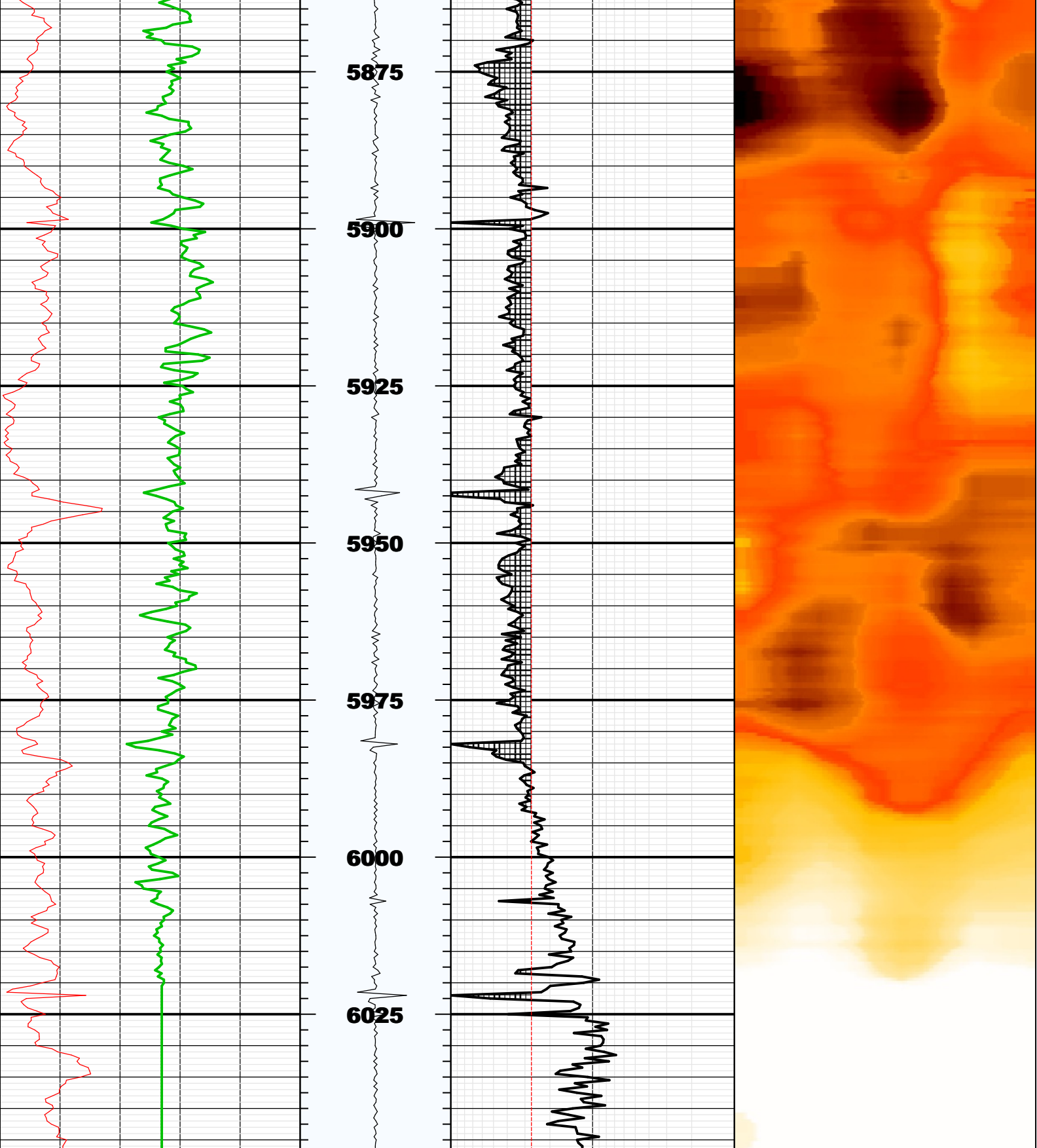










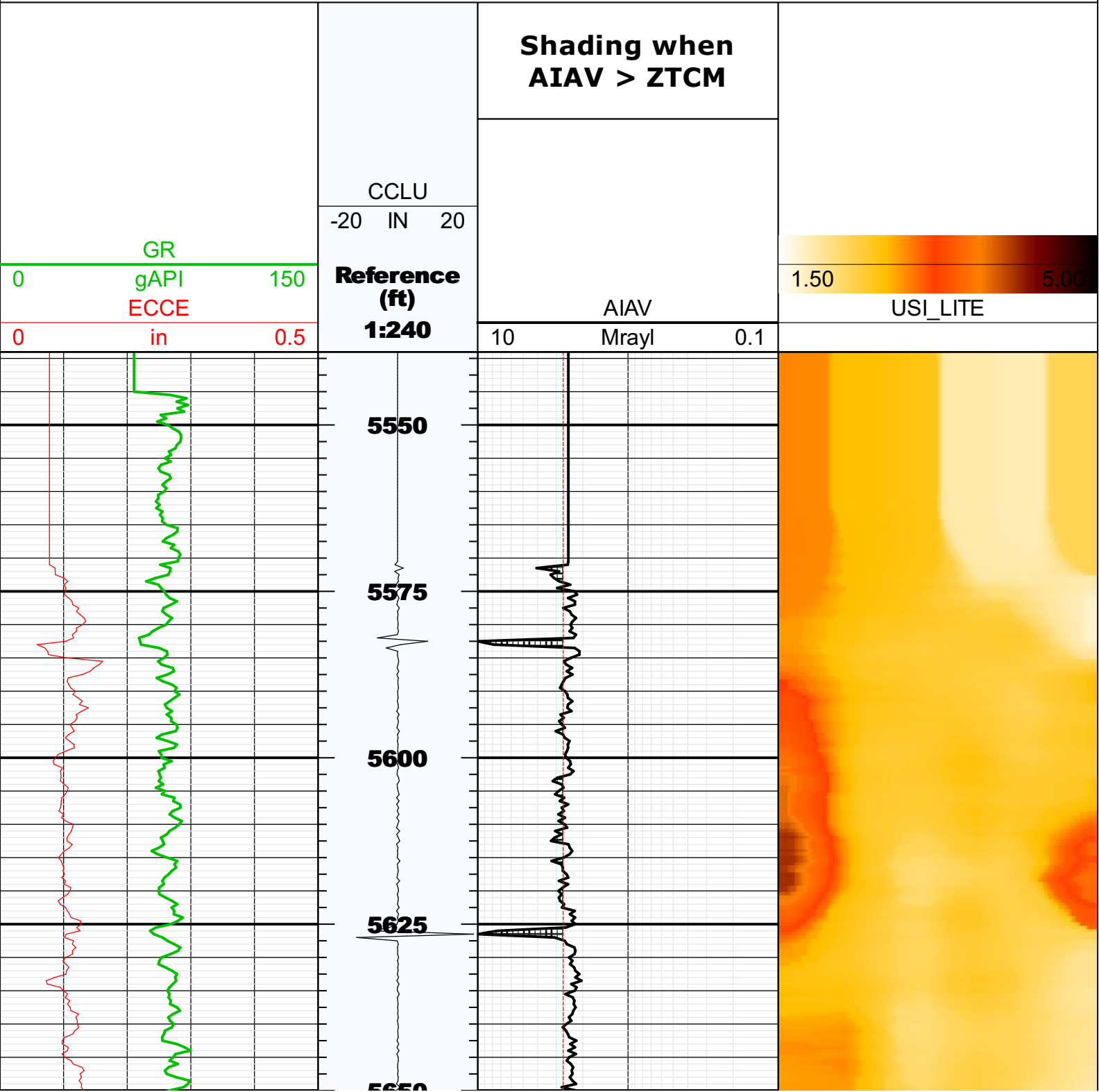


BS	8.75000	IN	Bit Size
CASG	P110		Casing Grade
CDIA	7.00000	IN	Casing Outer Diameter
CSID			
CSIZ	7.00000	IN	Current Casing Size
CWEI	26.00000	LB/F	Casing Weight
DFD	8.34000	LB/G	Drilling Fluid Density
DFVL	206.00000	US/F	Default Fluid Velocity
DO			
DOT	2.87400	IN	Diameter of Transducer Sensor
EMXV	80	V	EMEX Voltage
FDII	0.00000	F	FPM Data Interpolation Interval
FSOD	0_OFF		Fluid Slowness Fits Casing Outer Diameter
LOGMODE			
PP			
STEP	-0.5	F	STEP
THDH	130.00000	%	Maximum Search Thickness (percentage of nominal)
THDL	70.00000	%	Minimum Search Thickness (percentage of nominal)
THDP	Fundamental		Thickness Detection Policy
THNO	0.36200	IN	Nominal Thickness of Casing
TMUC	WRM		Type of Mud
U-USIT_DT3P			
UPAT	375K		Emission Pattern
USUB	7INC		USIT Sub Identifier
UWKM	D603010L		Working Mode
VCAS	51.40000	US/F	Ultrasonic Transversal Velocity in Casing
WINB	38.40100	US	Window Begin Time
WINE	78.40100	US	Window End Time
ZCAS	46.25000	MRAY	Acoustic Impedance of Casing
ZINI	-1.00000	MRAY	Initial Estimate of Cement Impedance
ZMUD	2.10000	MRAY	Acoustic Impedance of Mud
ZTCM	2.70000	MRAY	Acoustic Impedance Threshold for Cement
ZTGS	0.30000	MRAY	Acoustic Impedance Threshold for Gas
WLEN	22.50350	US	T <sup>^</sup> 3 Processing Length

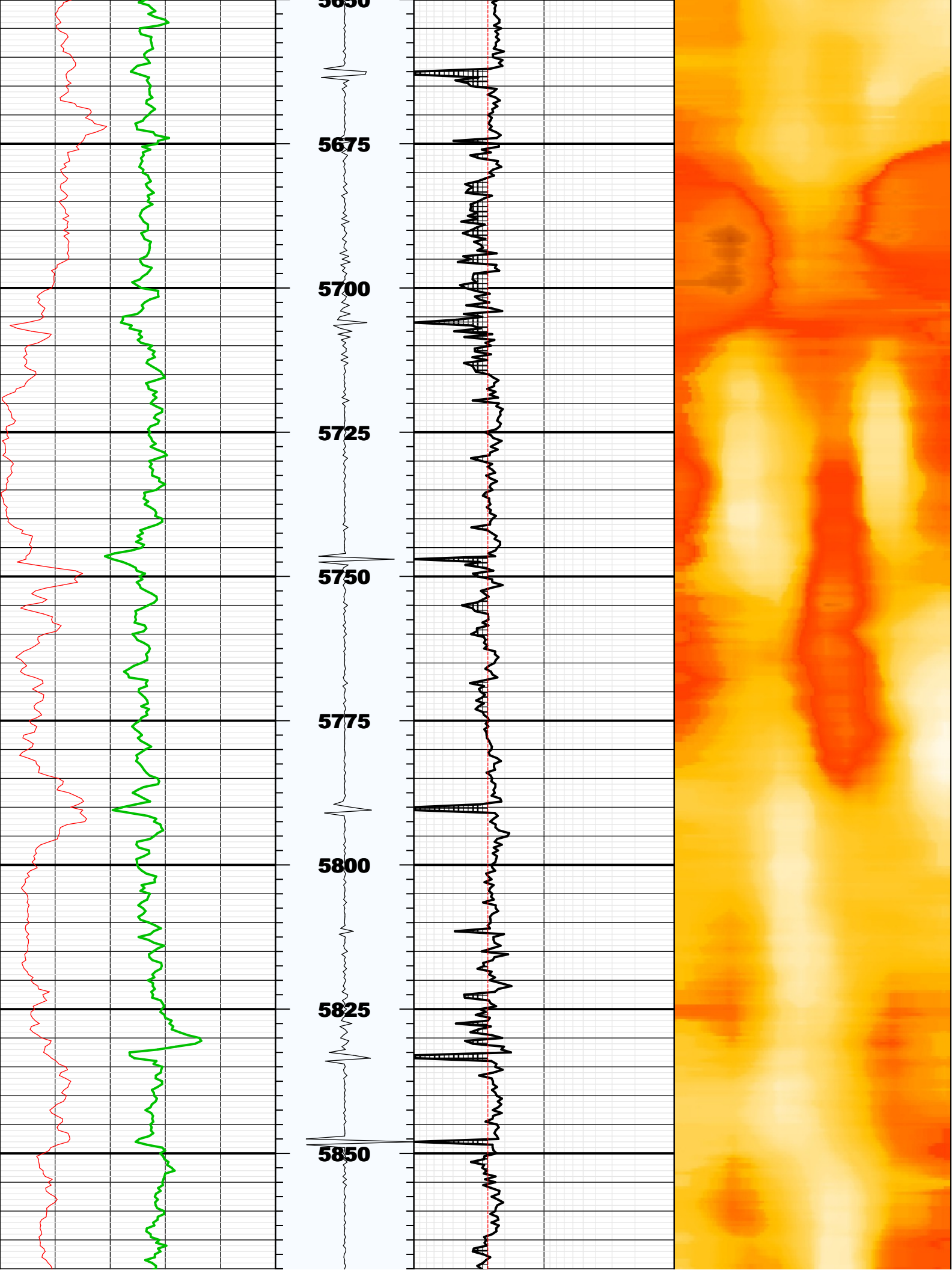


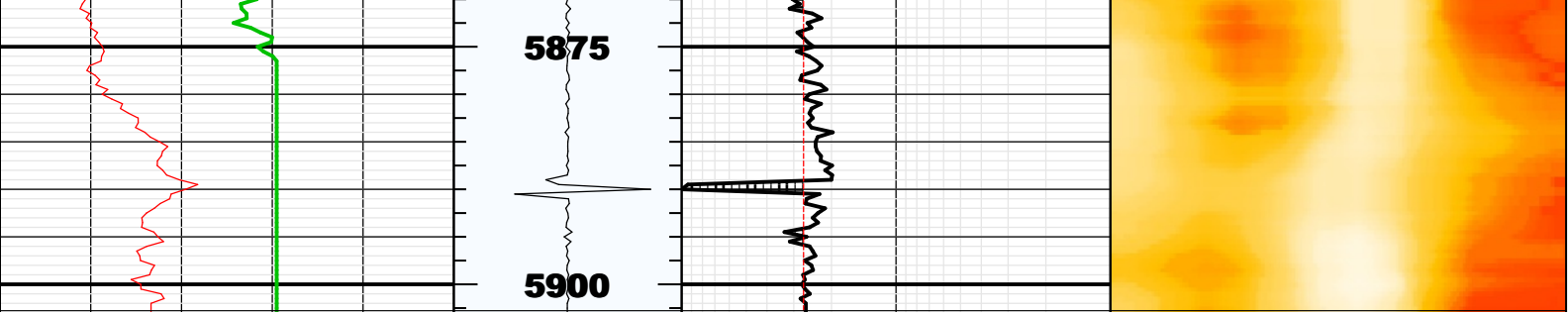
Repeat Pass

Company: Noble Energy Inc  
Well: Romero PC G10-79HN  
Field: Wattenberg









## Fluid Properties Used for Main Pass

