

Company: Noble Energy Inc.

Well: KIDD LD22-770
Field: Wildcat
County: Weld

State: Colorado

USI-LITE									
LOCATION						Elev. K.B. 4861.0 F			
						G.L. 4831.0 F			
						D.F. 4861.0 F			
Permanent Datum: GL									
Log Measured From: KB									
Drilling Measured From: KB									
Logging Date		22-Sep-2015							
Run Number		ONE							
Depth Driller		10396.0 F							
Schlumberger Depth		10396.0 F							
Bottom Log Interval		6002.0 F							
Top Log Interval		-999.2 F							
Casing Fluid Level		0.0 F							
Salinity									
Density		8.40 LB/G							
Fluid Level		0.0 F							
BIT/CASING/TUBING STRING									
Bit Size		6.125 IN							
From		6002.0 F							
To		10396.0 F							
Casing Size		7.00 IN							
Weight		26.00 LB/F							
Grade		P110							
From		30.0 F							
To		6158.0 F							
Max Recorded Temp		167.0							
Logger on bottom (date)		22-Sep-2015							
Location		Fort Morgan CO							
Recorded By		Benjamin Marmon							
Witnessed By		Bill Mansfield							

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: 147 Calibration Date: Calibrator Serial Number: Number Of Calibration Points: Calibration RMS: Calibration Peak Error:	Serial Number: U714069 Length: 14000.00098

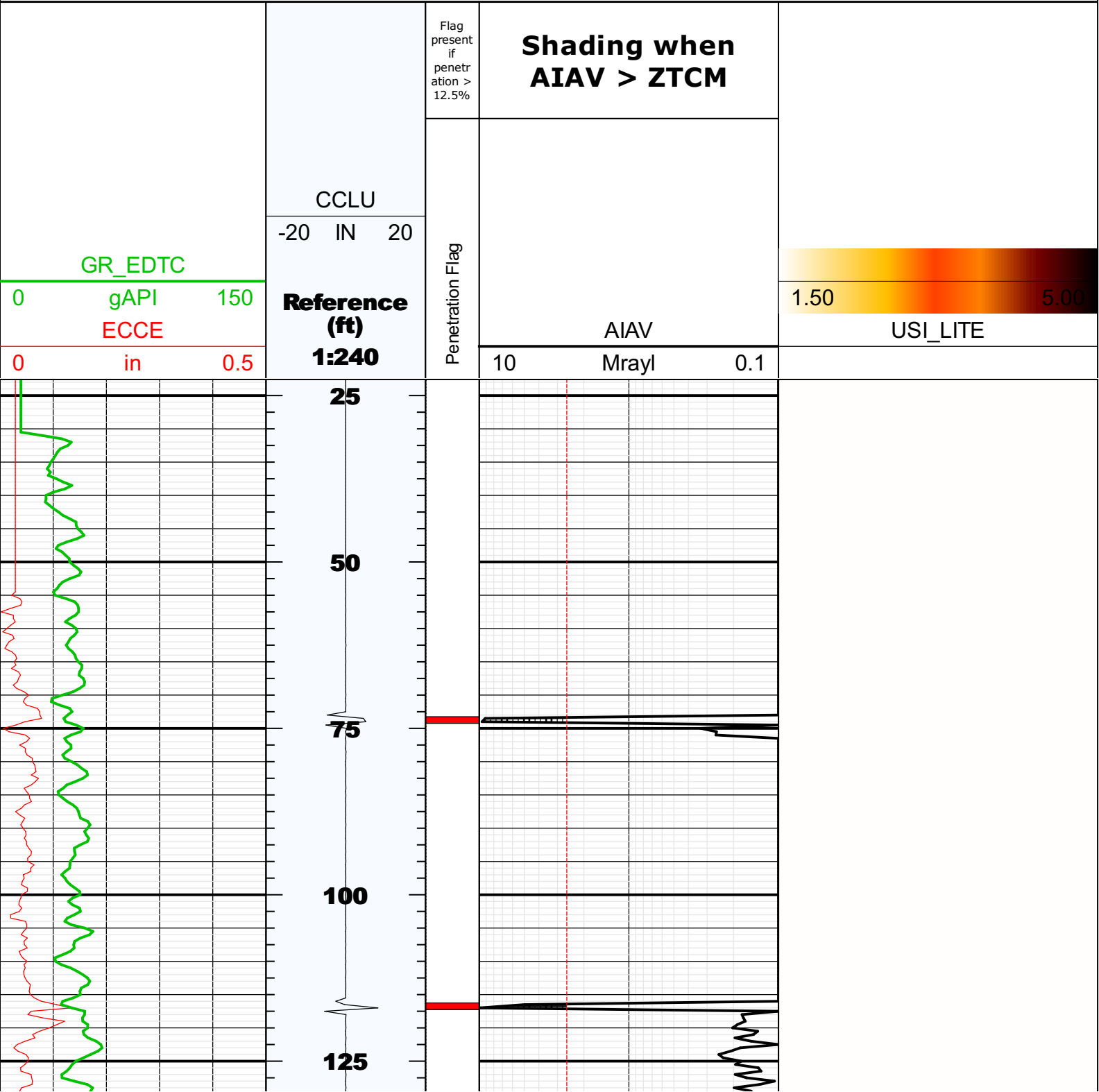
DISCLAIMER

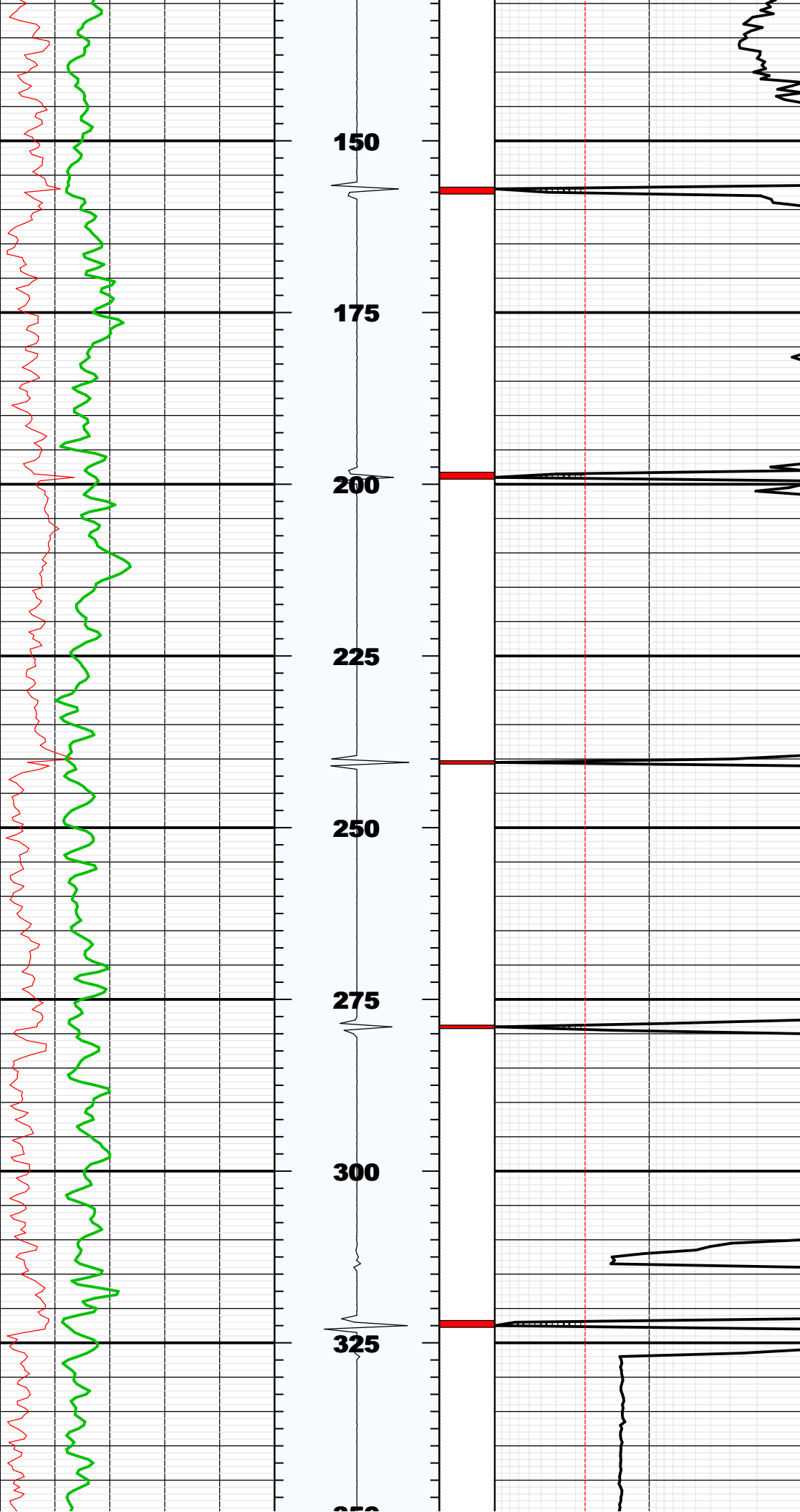
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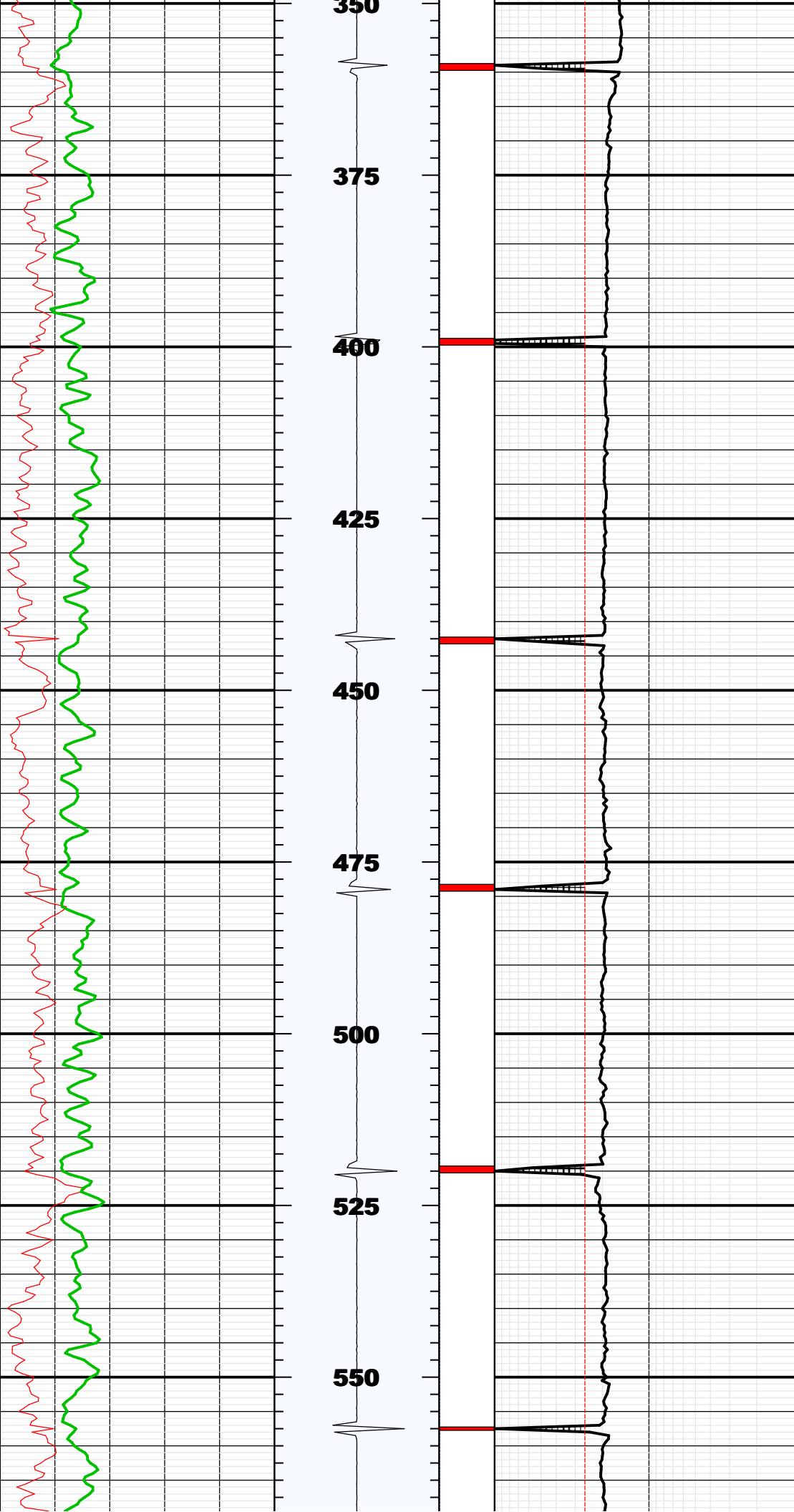
This is the first run in the well.
Toolstring run as per toolsketch.
0 PSI Repeat Pass and 2500 PSI Main Pass.
Estimated TOC @ 1650'. Expected TOC @ 1500'.
Bottom Log Interbal at 6001'.
Bottom hole temperature was 167 degF.

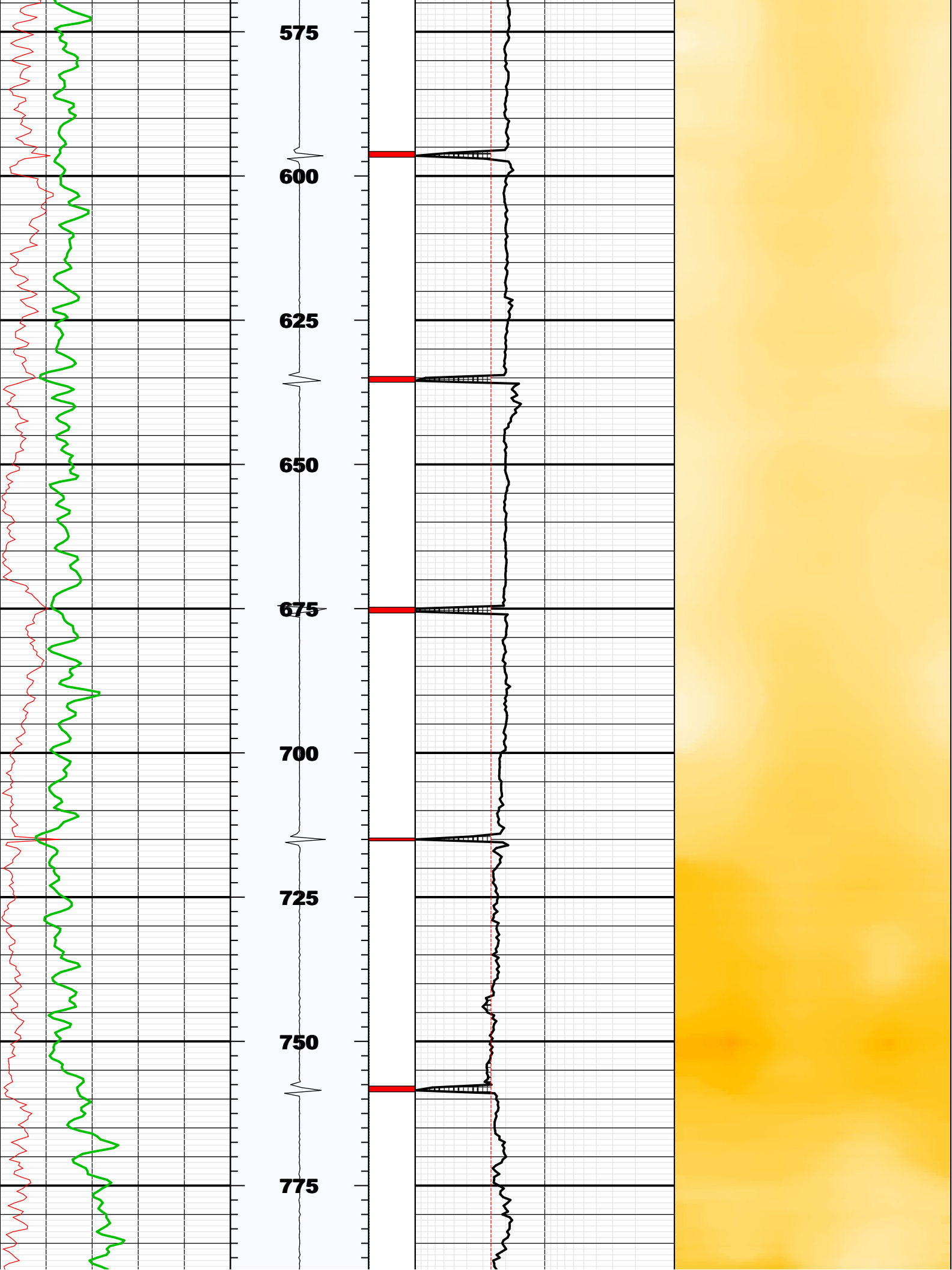
Main Pass

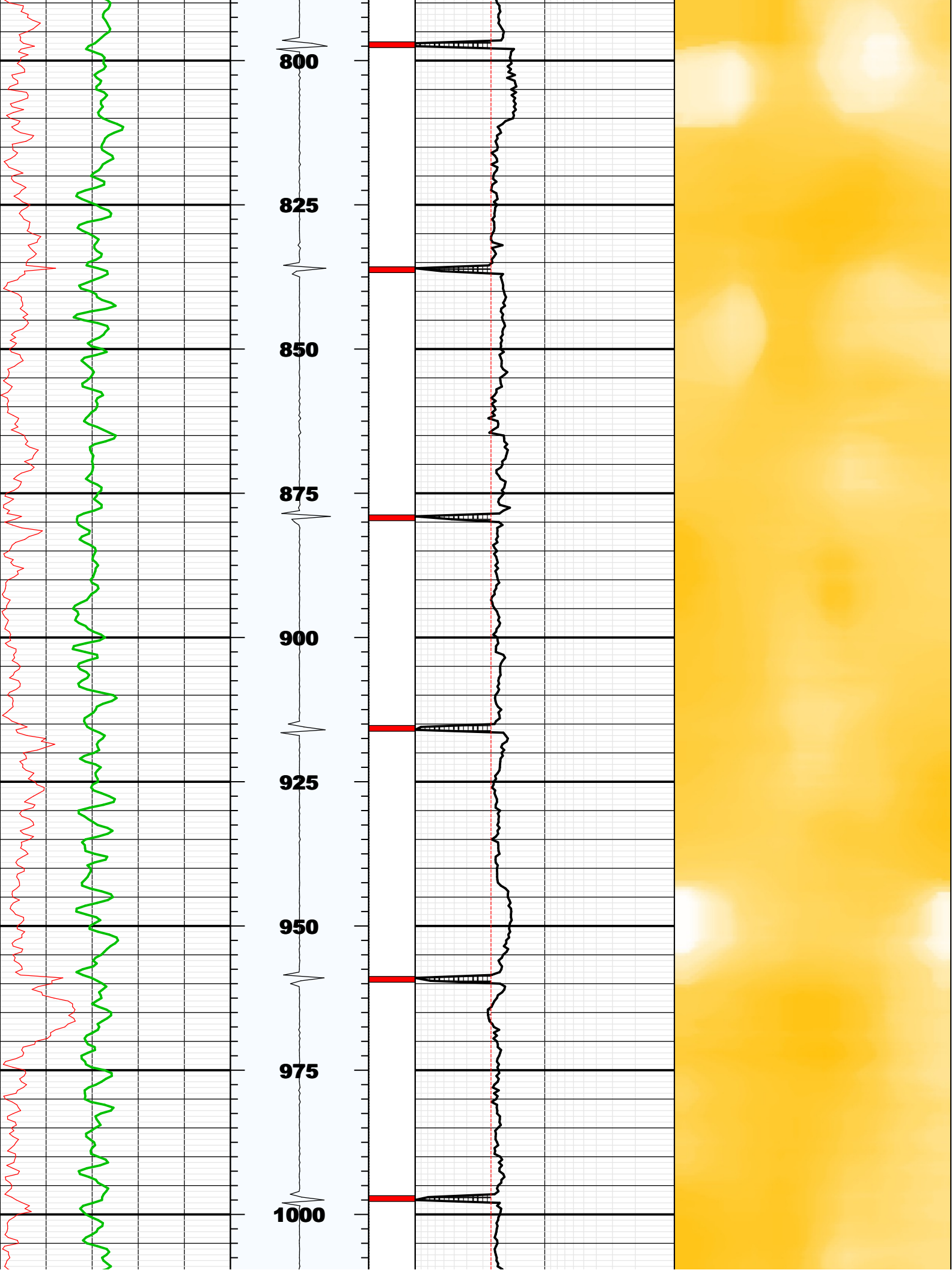
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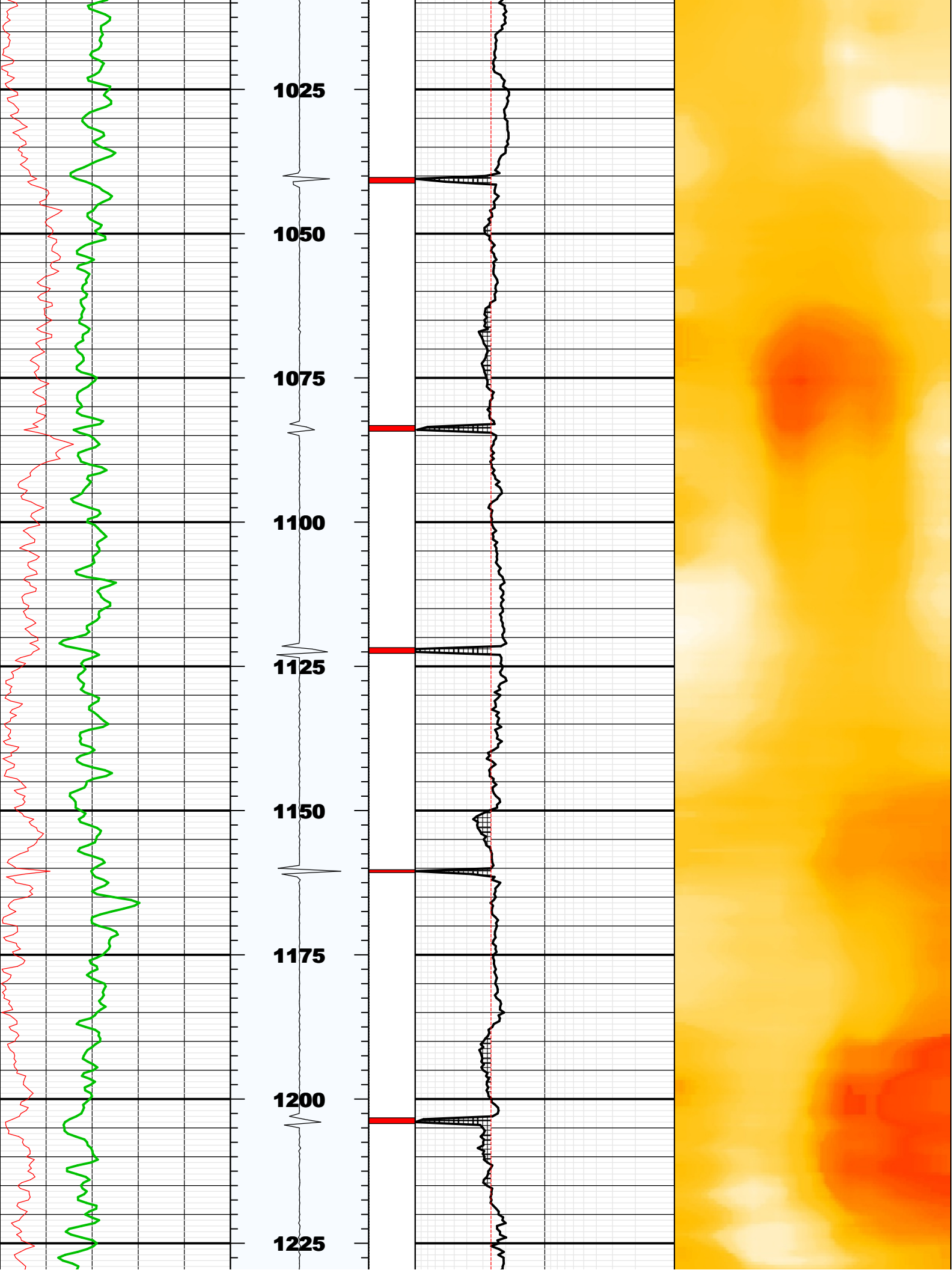


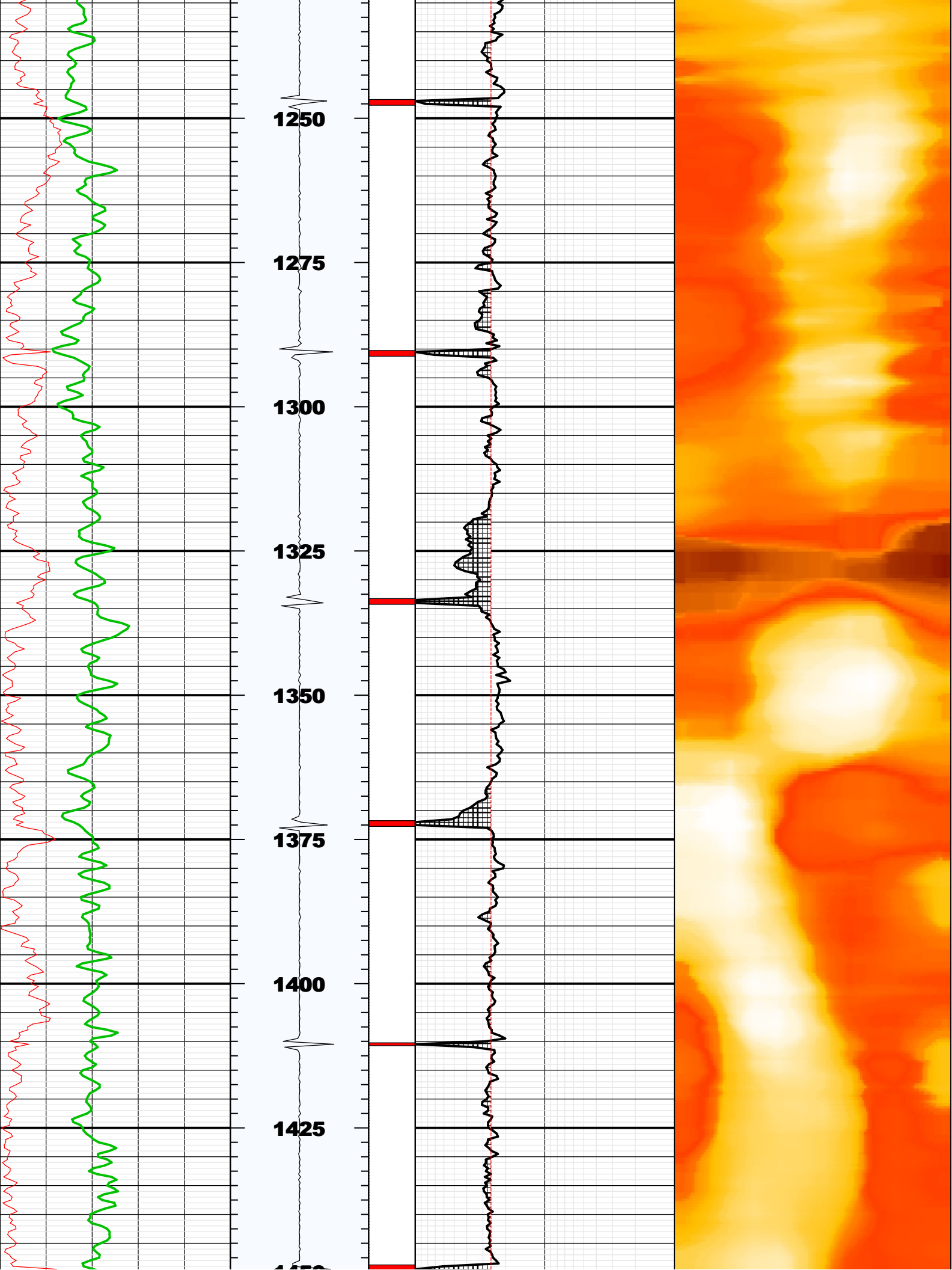


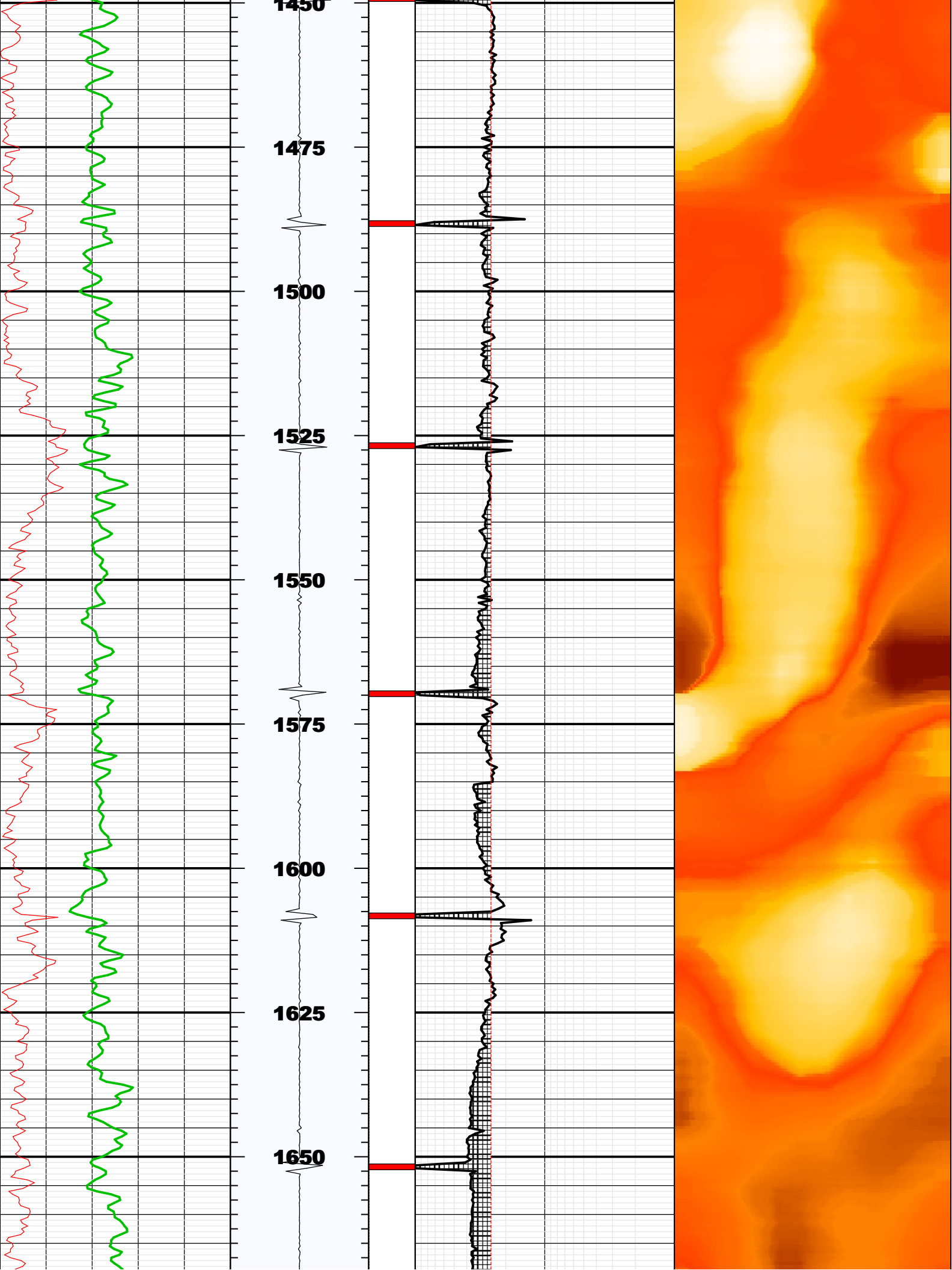


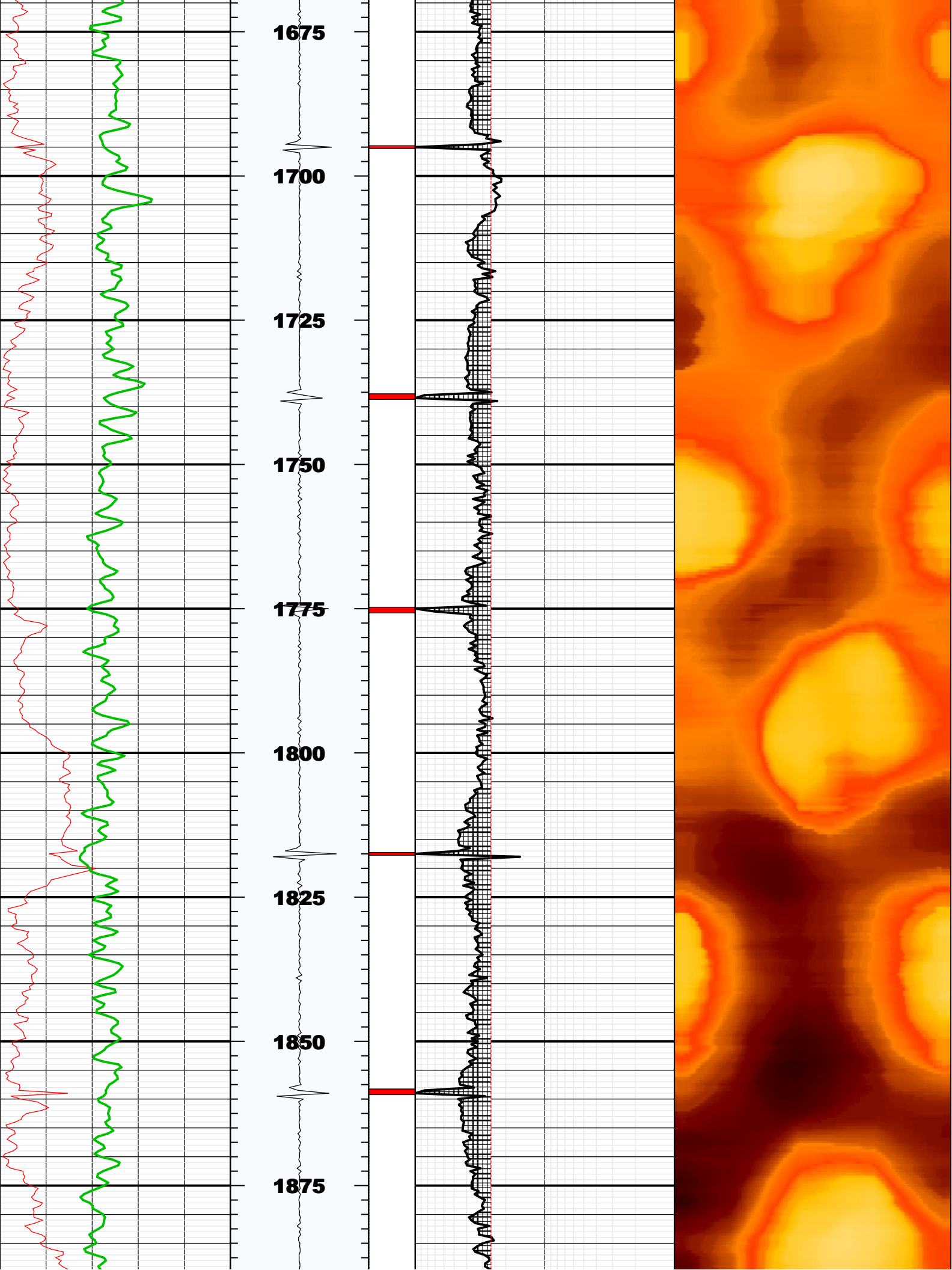


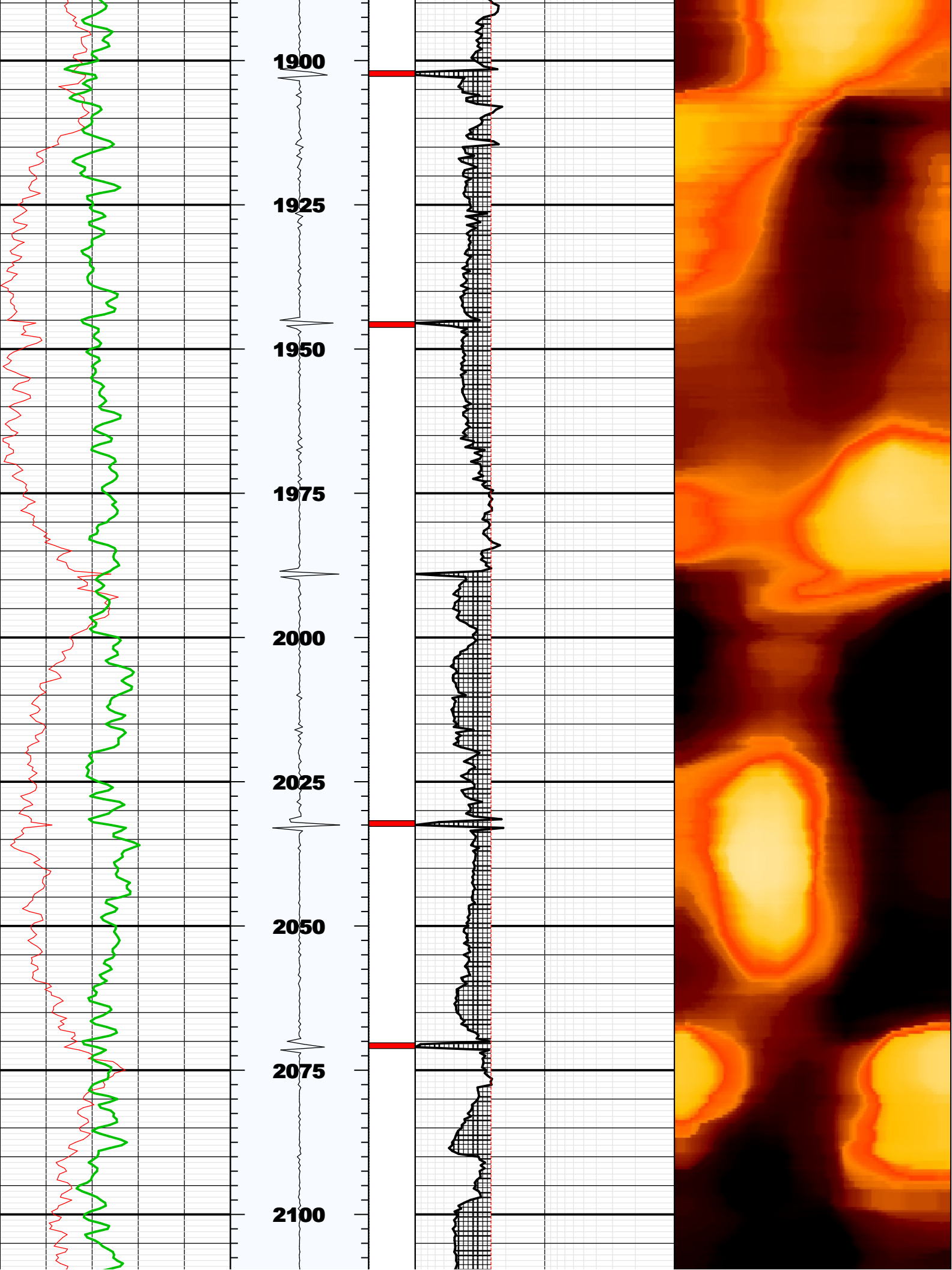


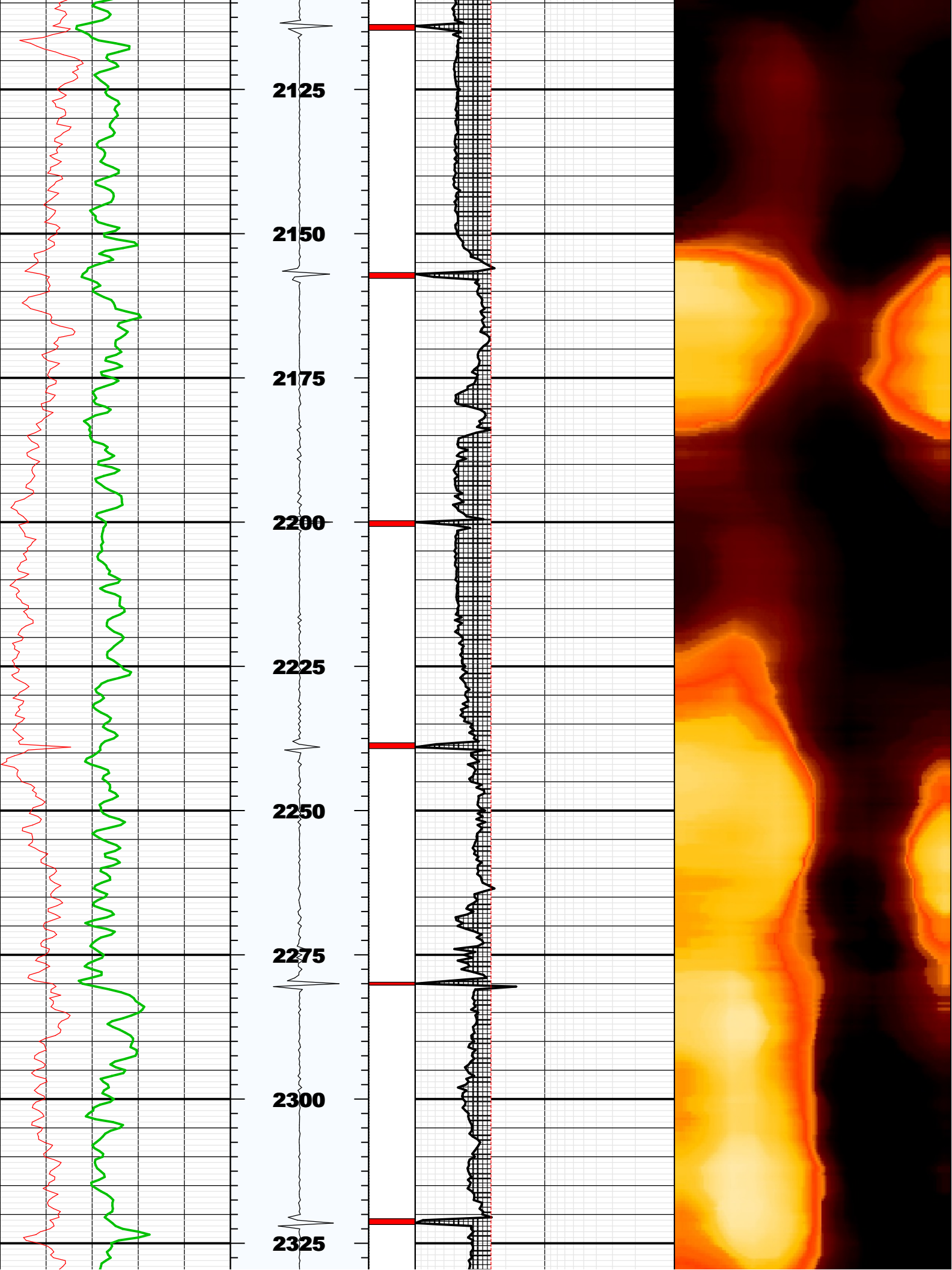


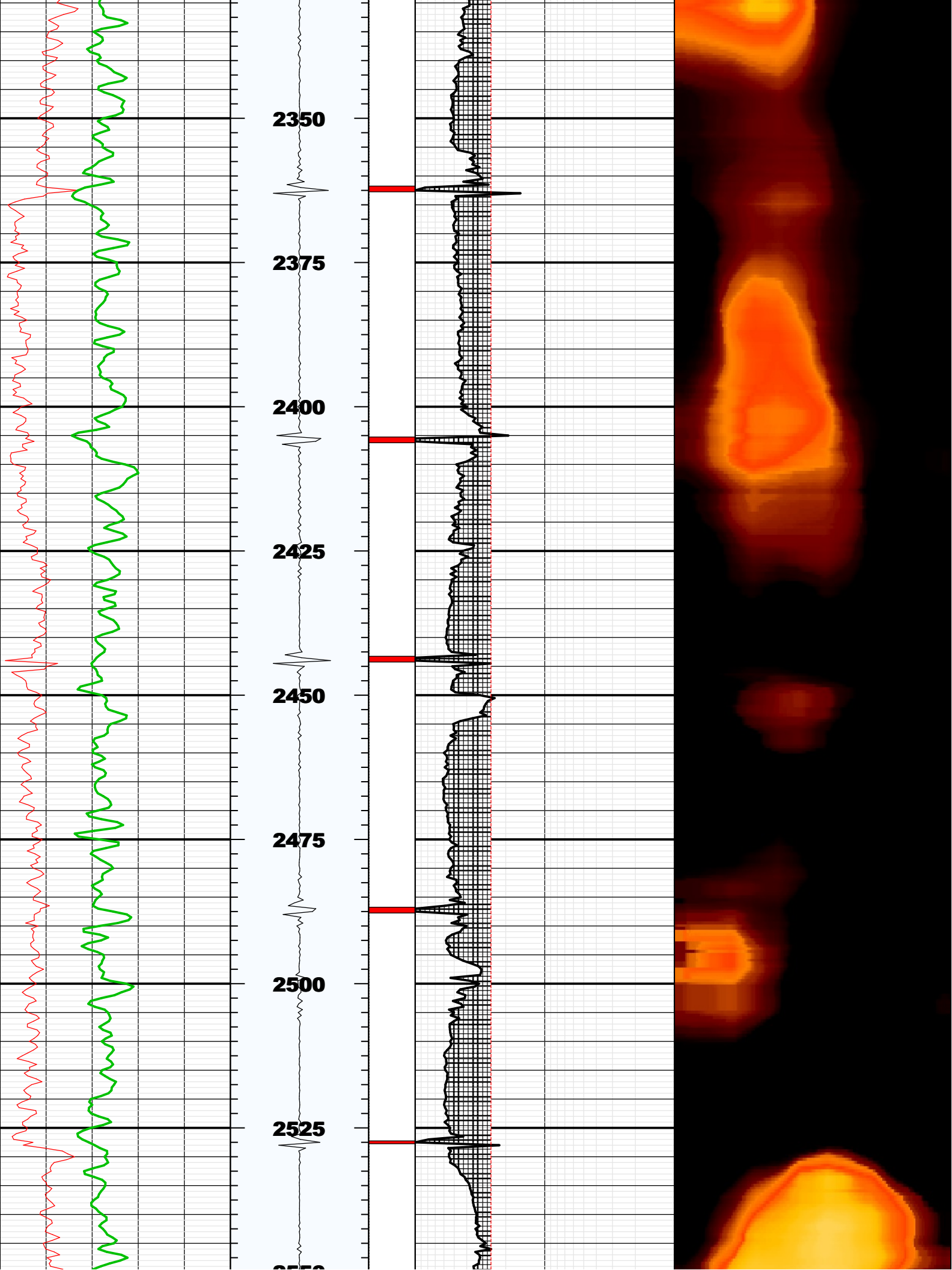


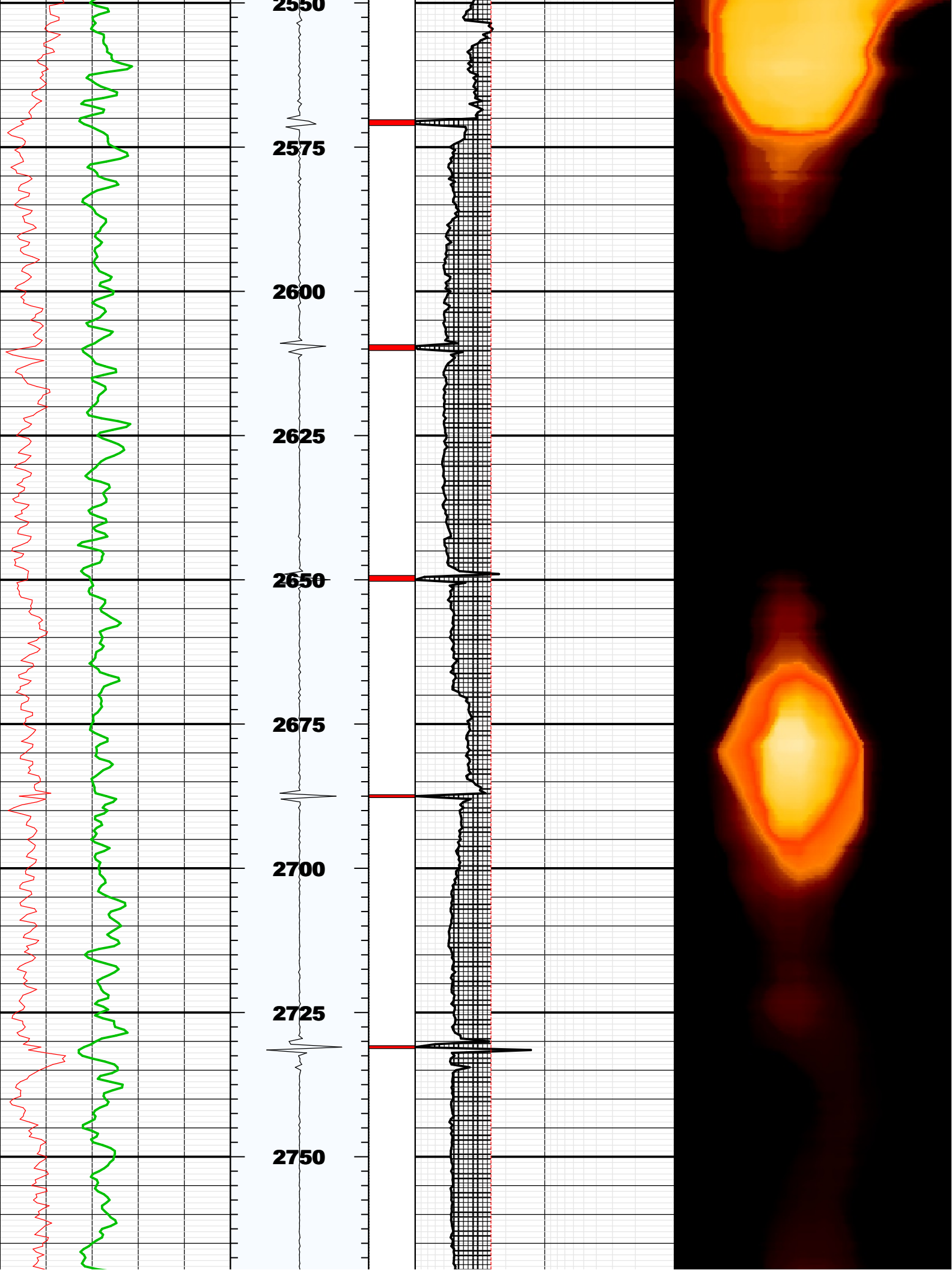


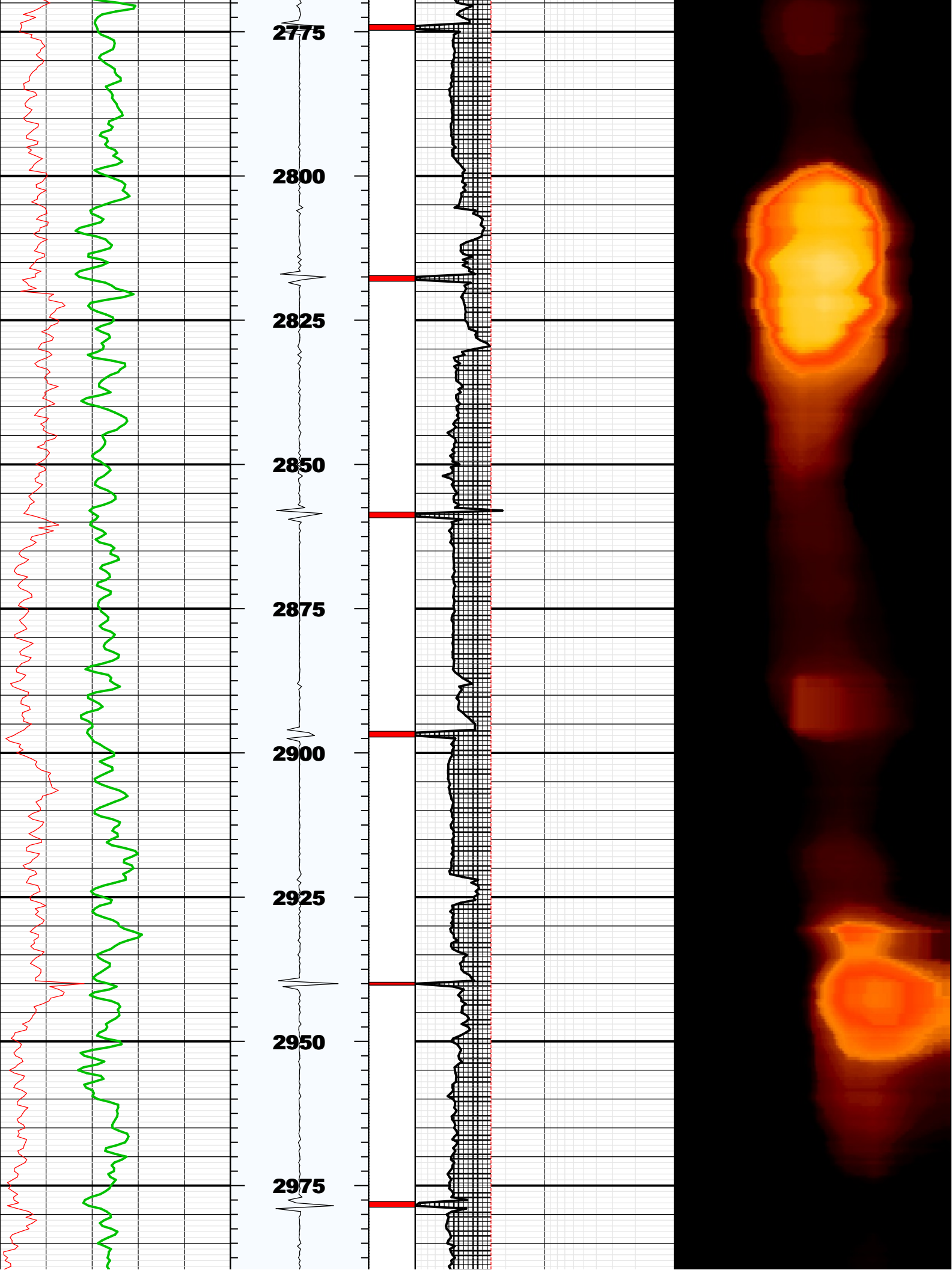


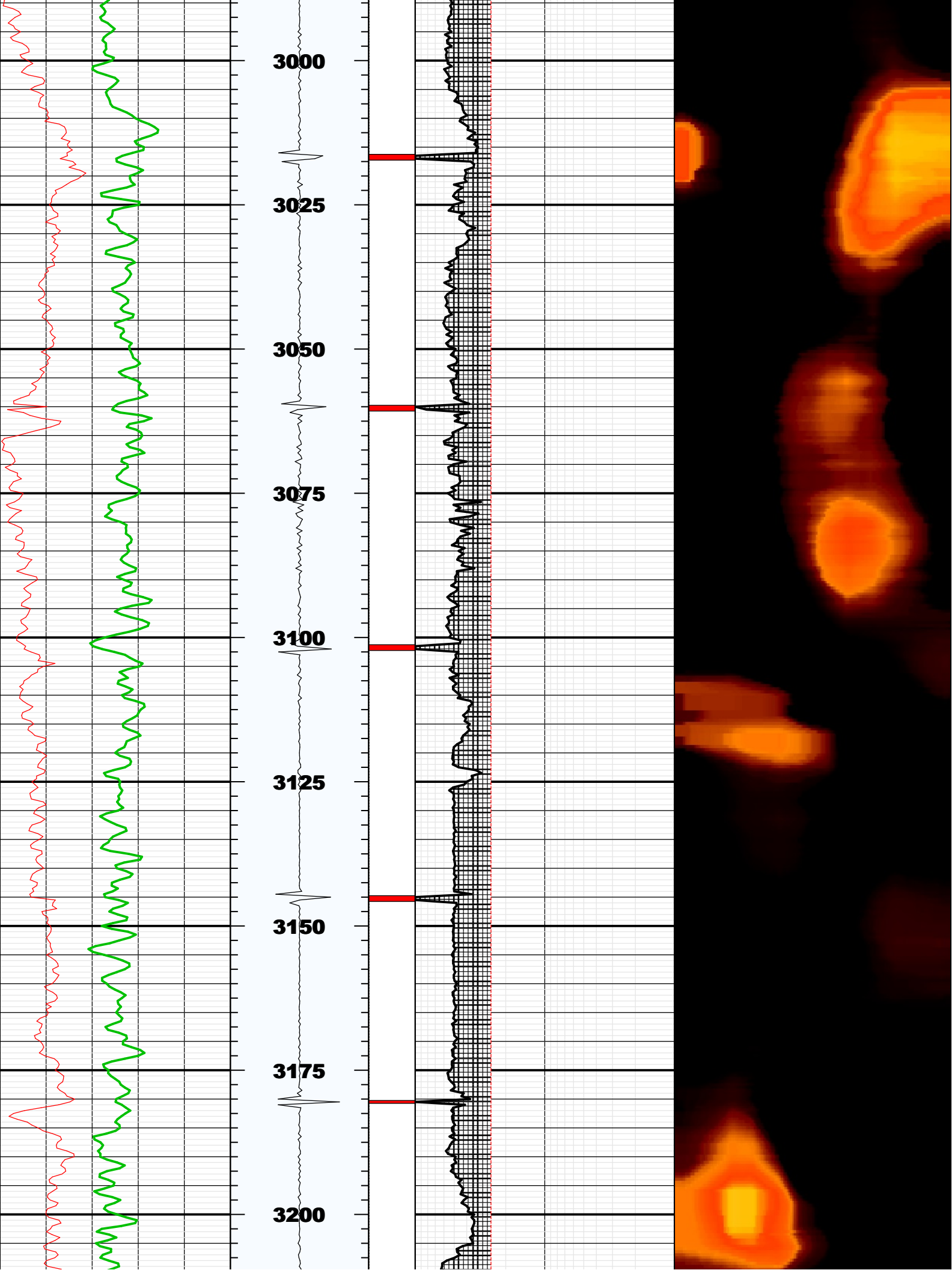


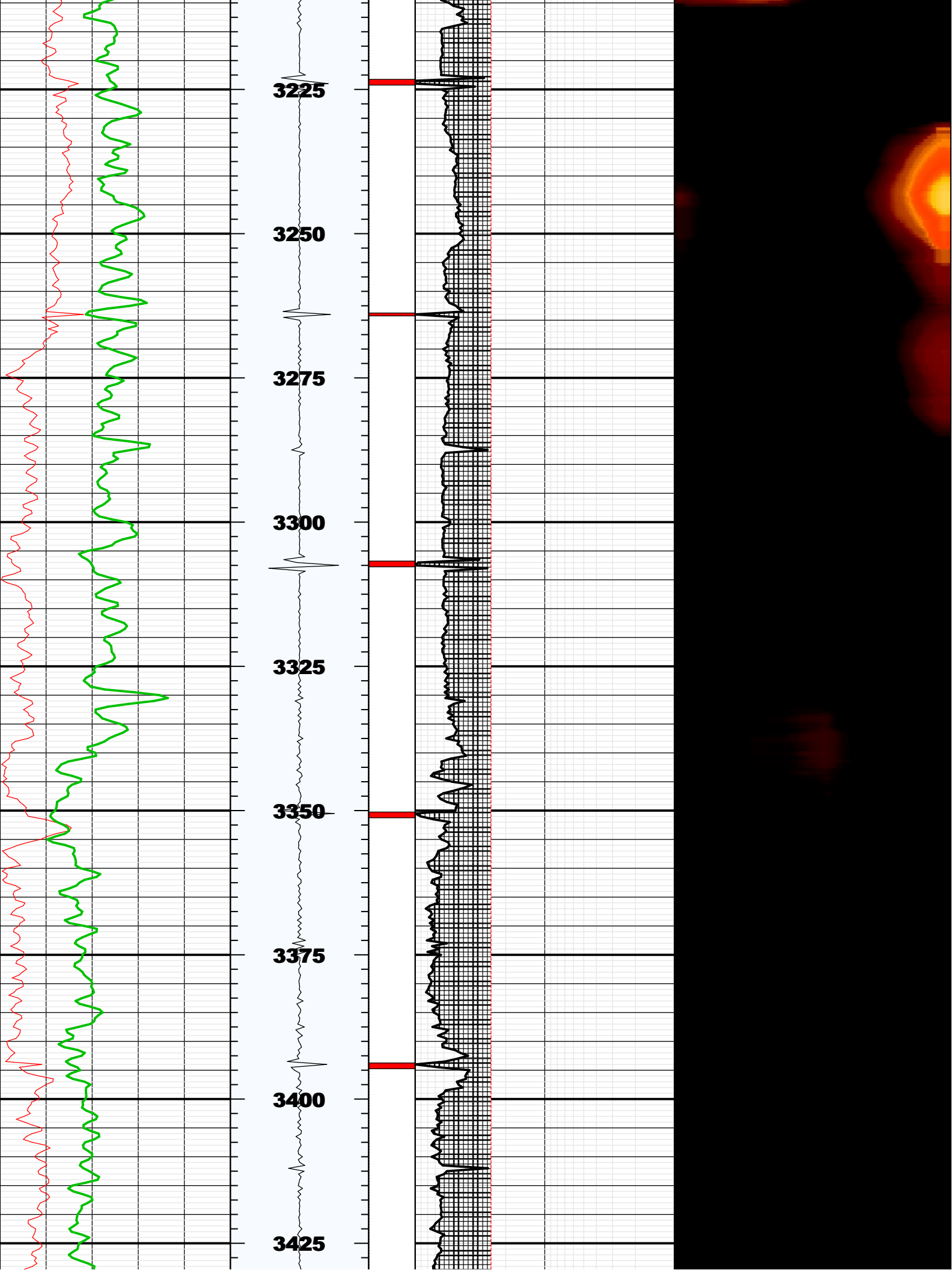


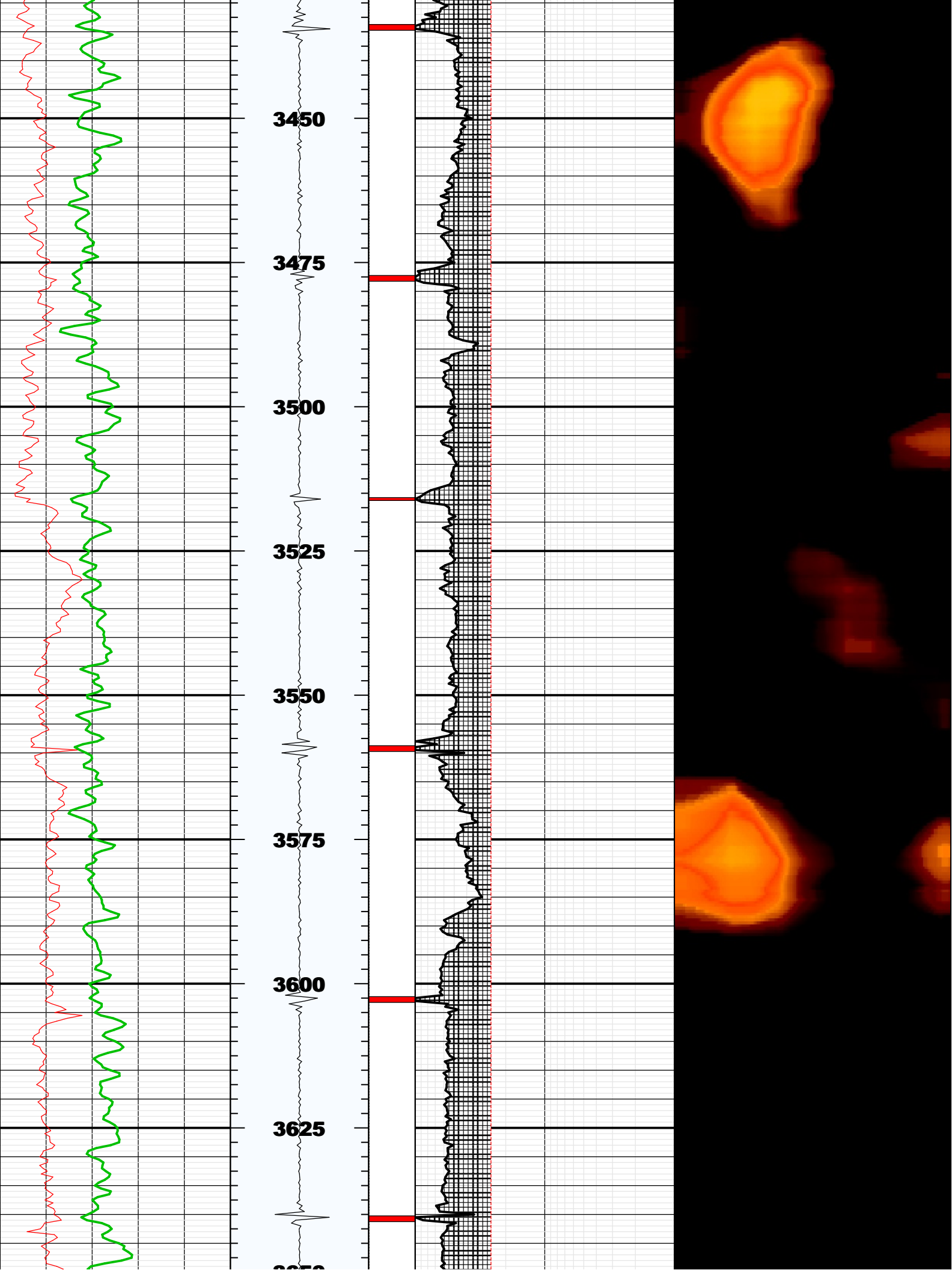


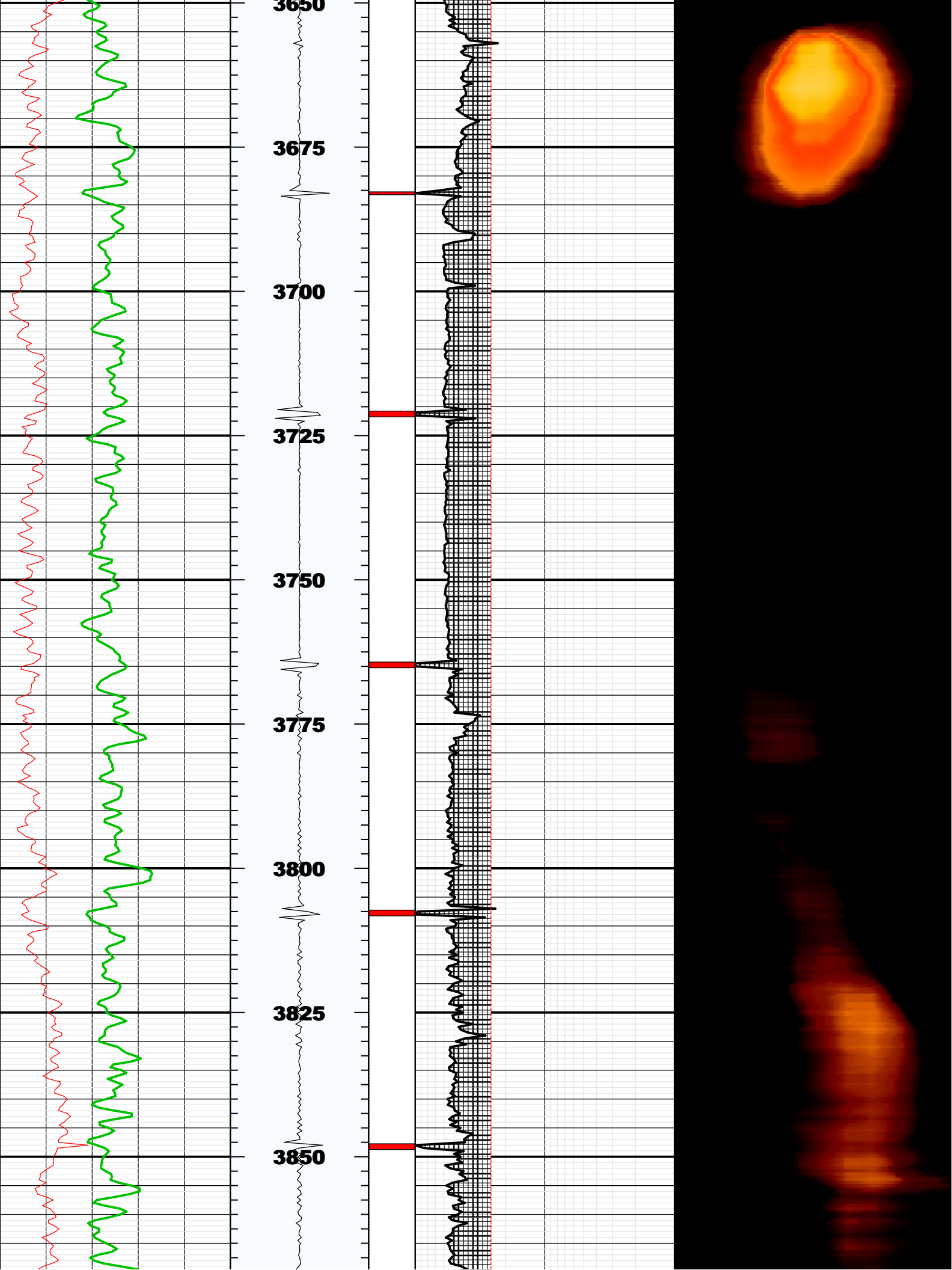


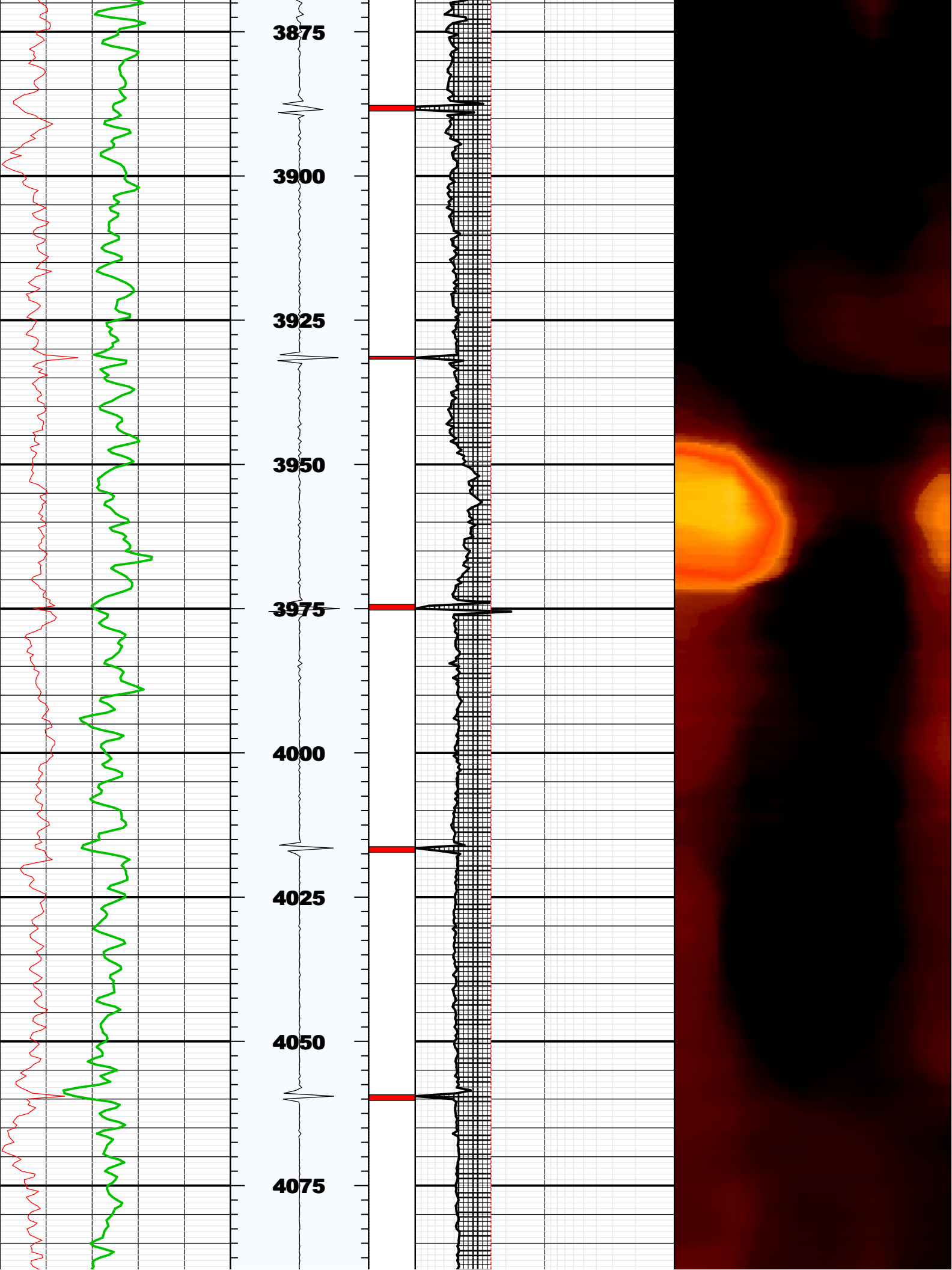


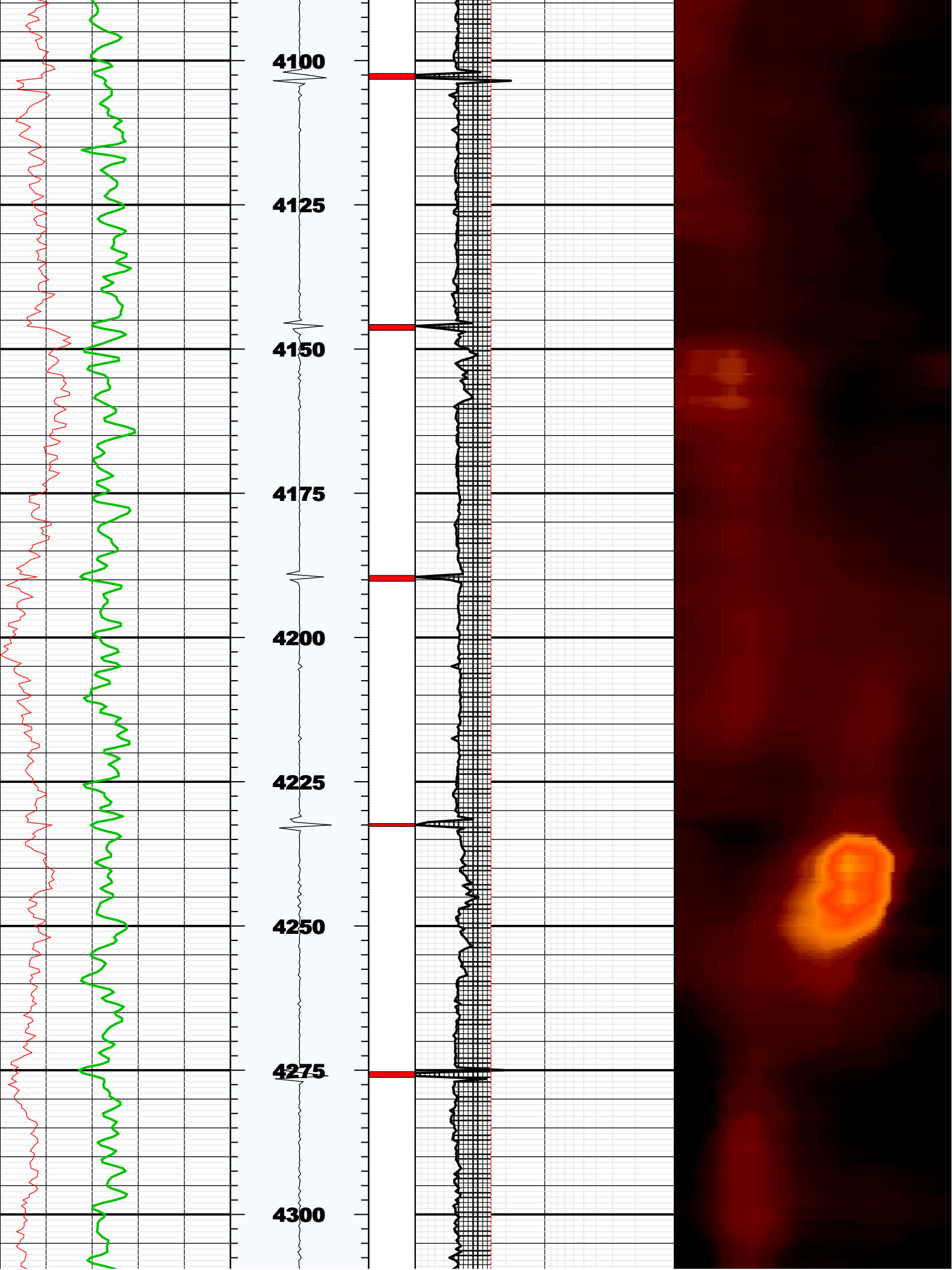


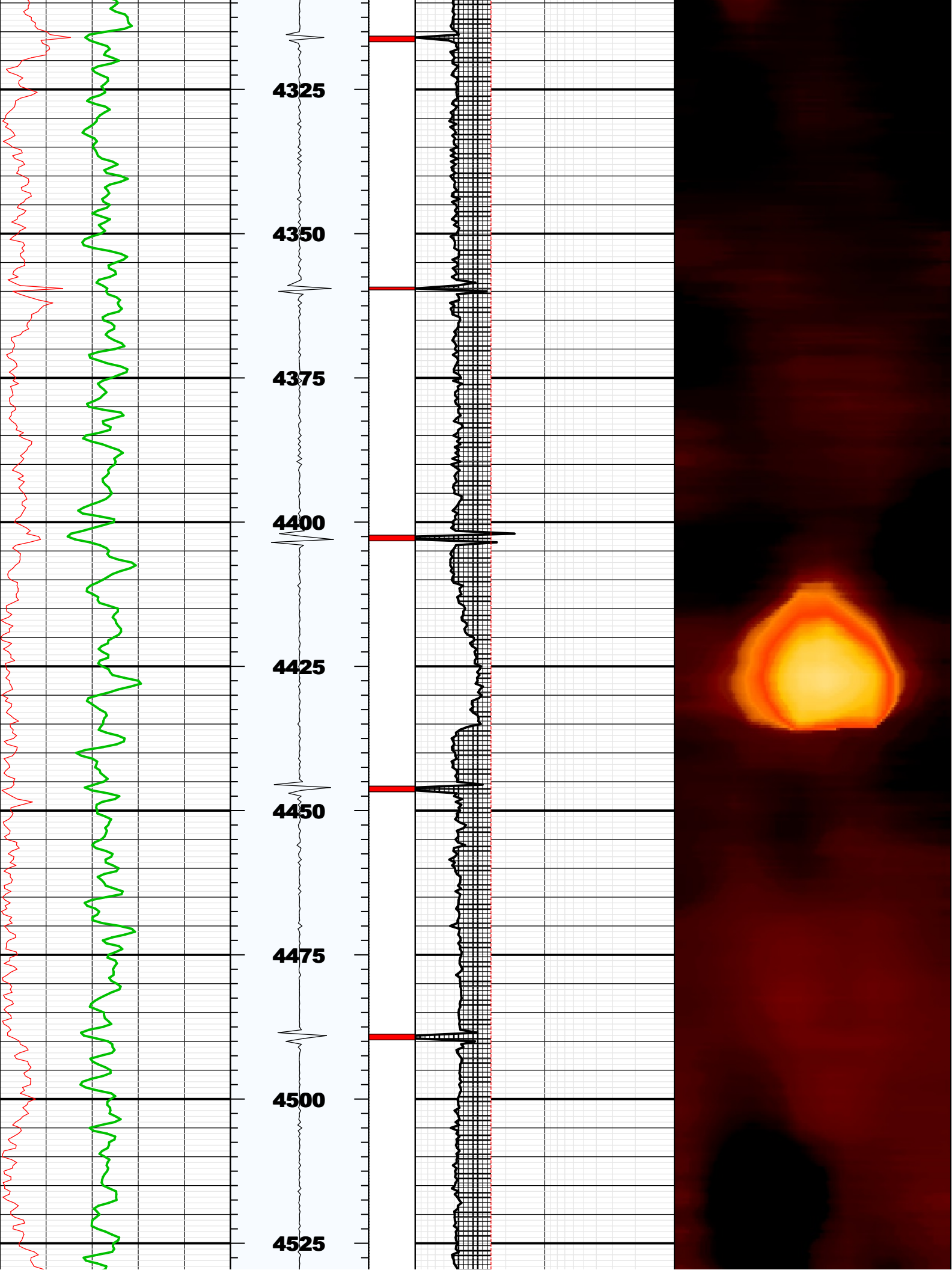


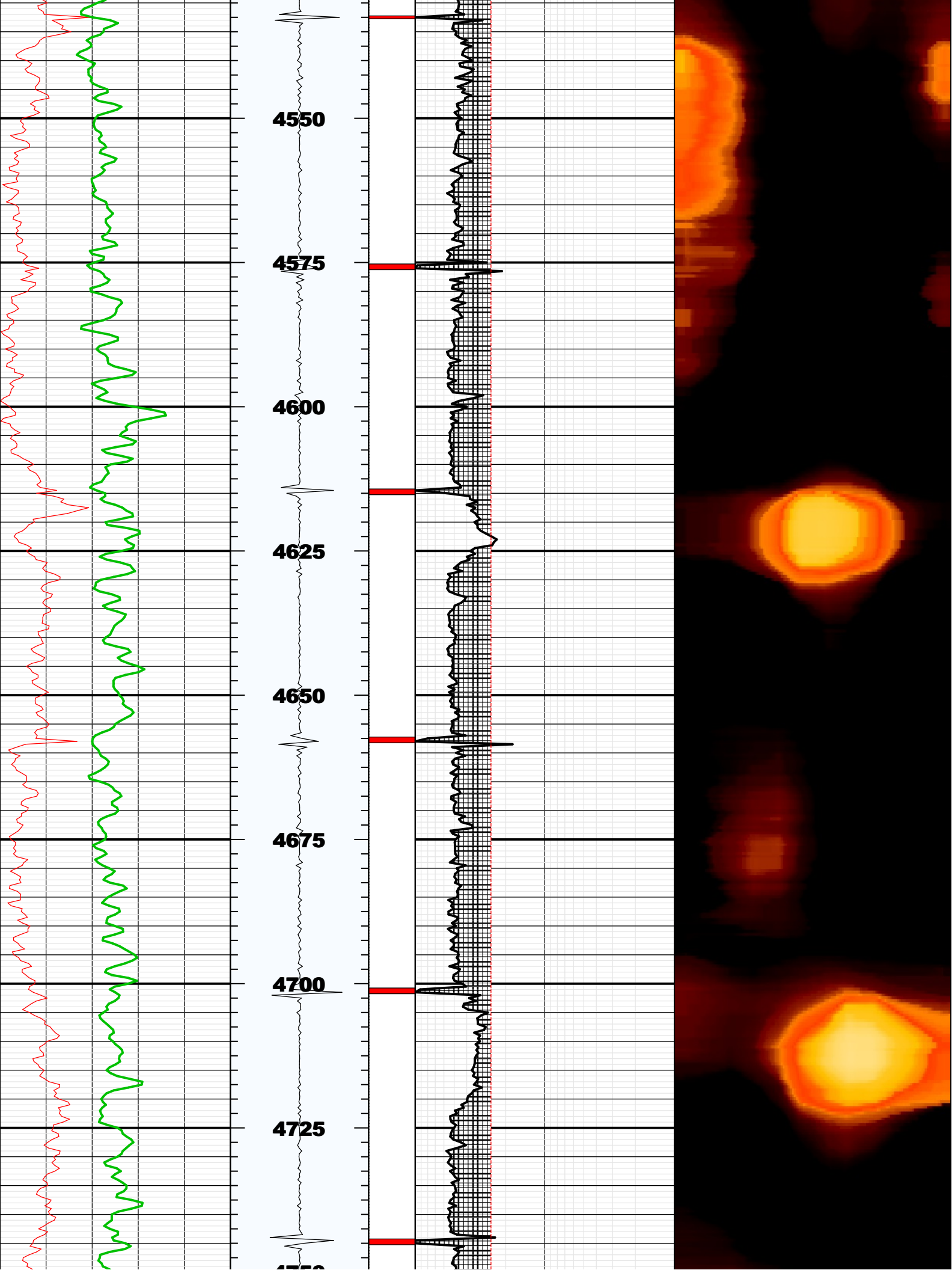


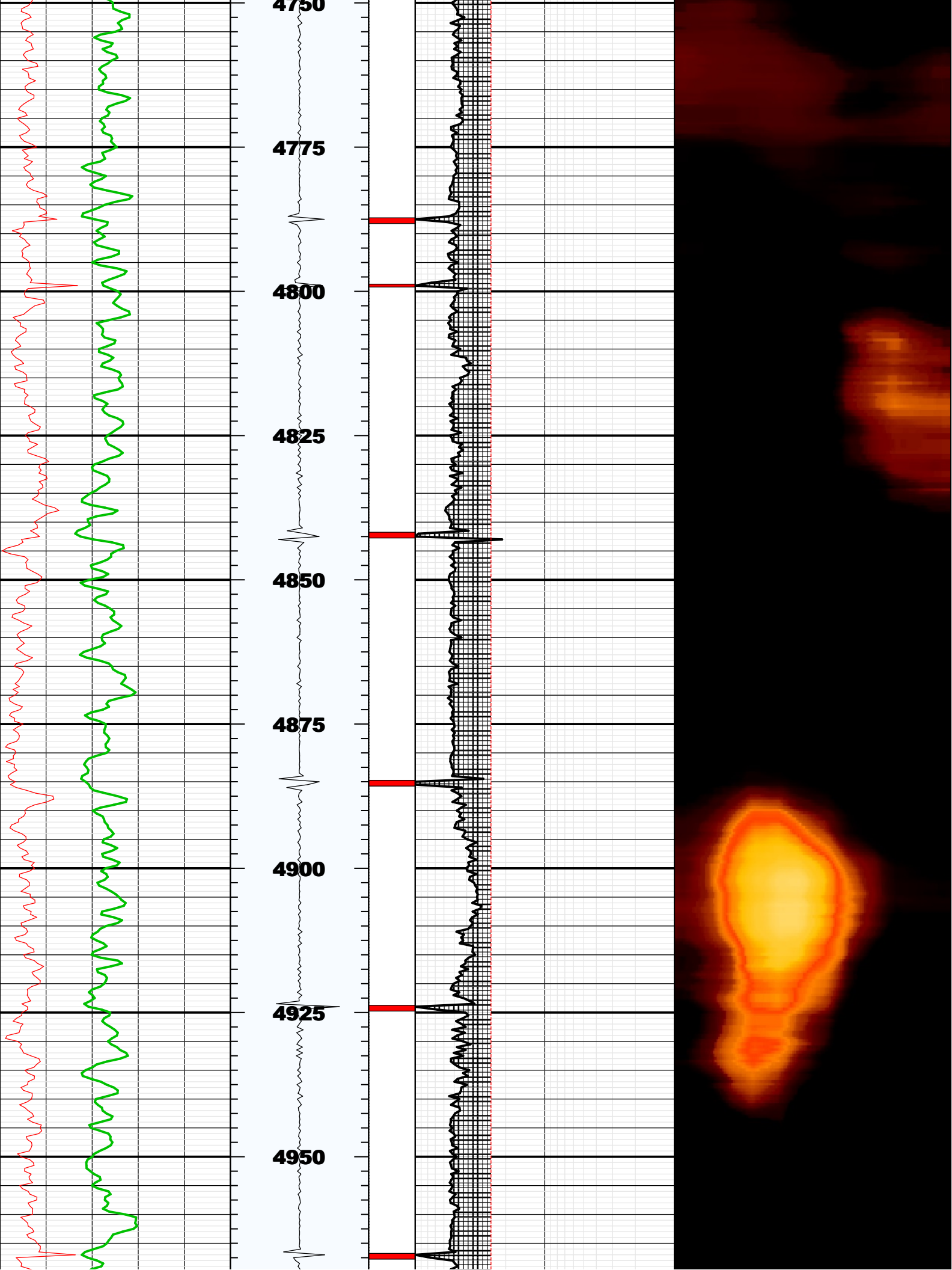


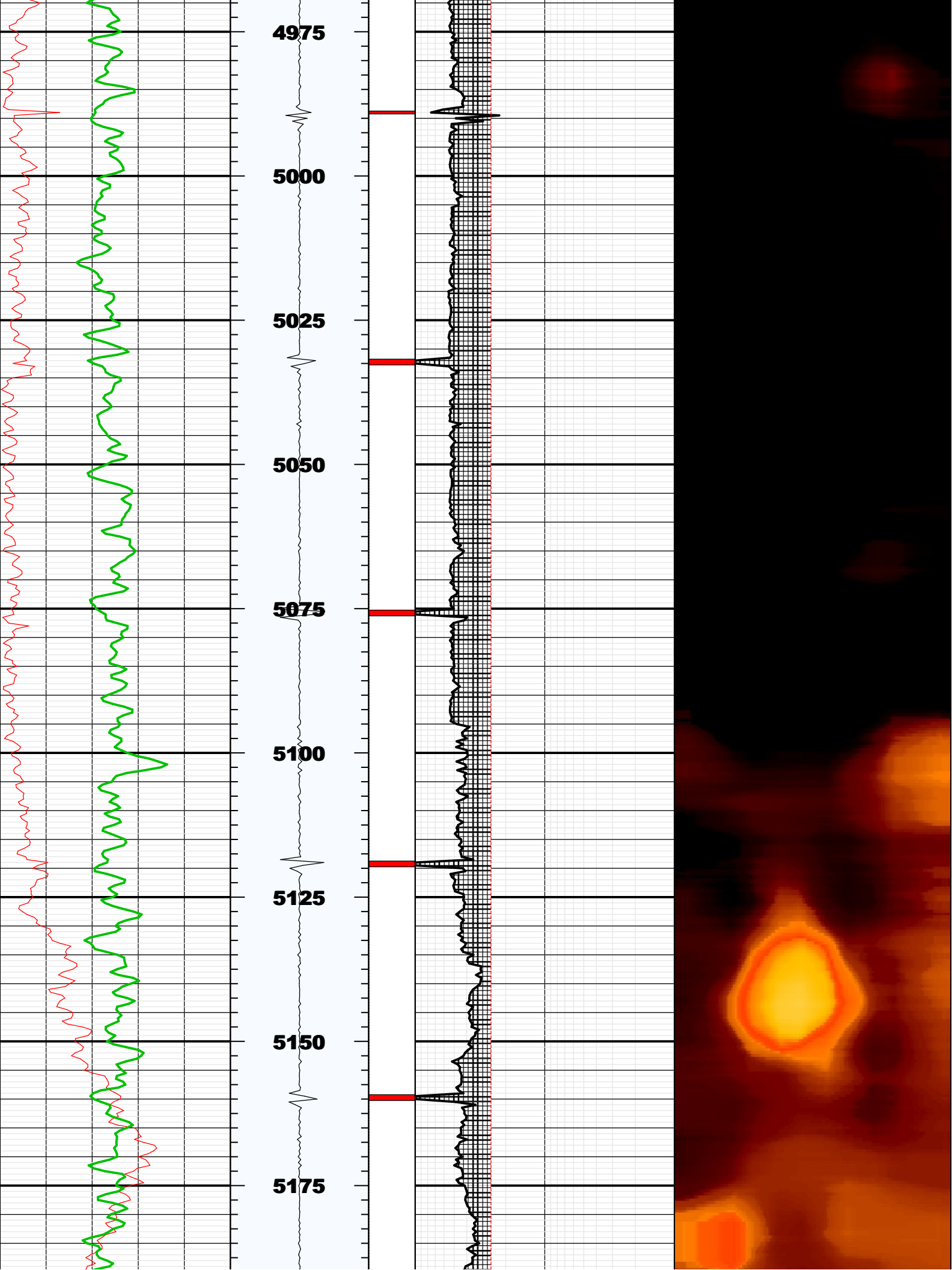


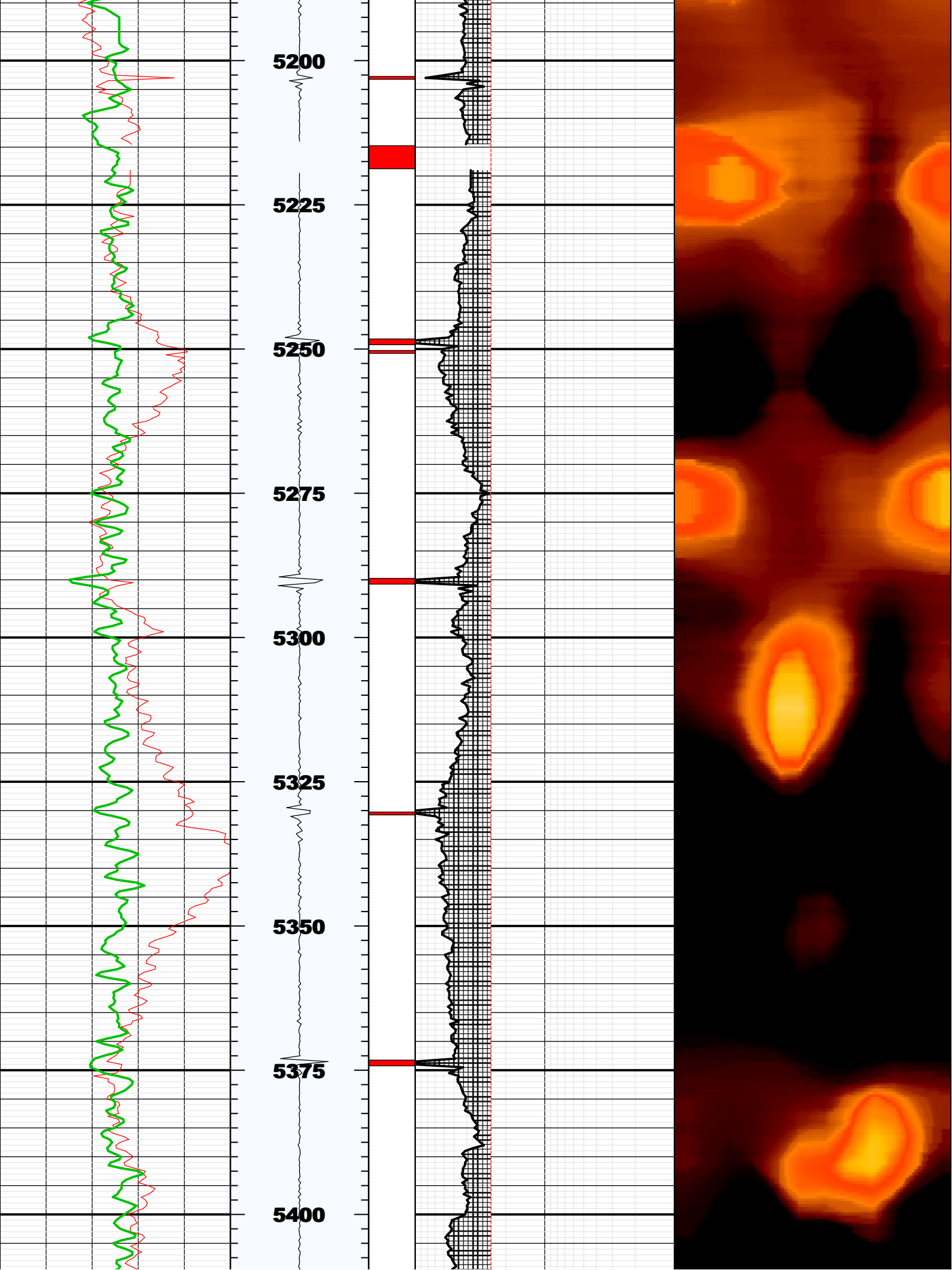


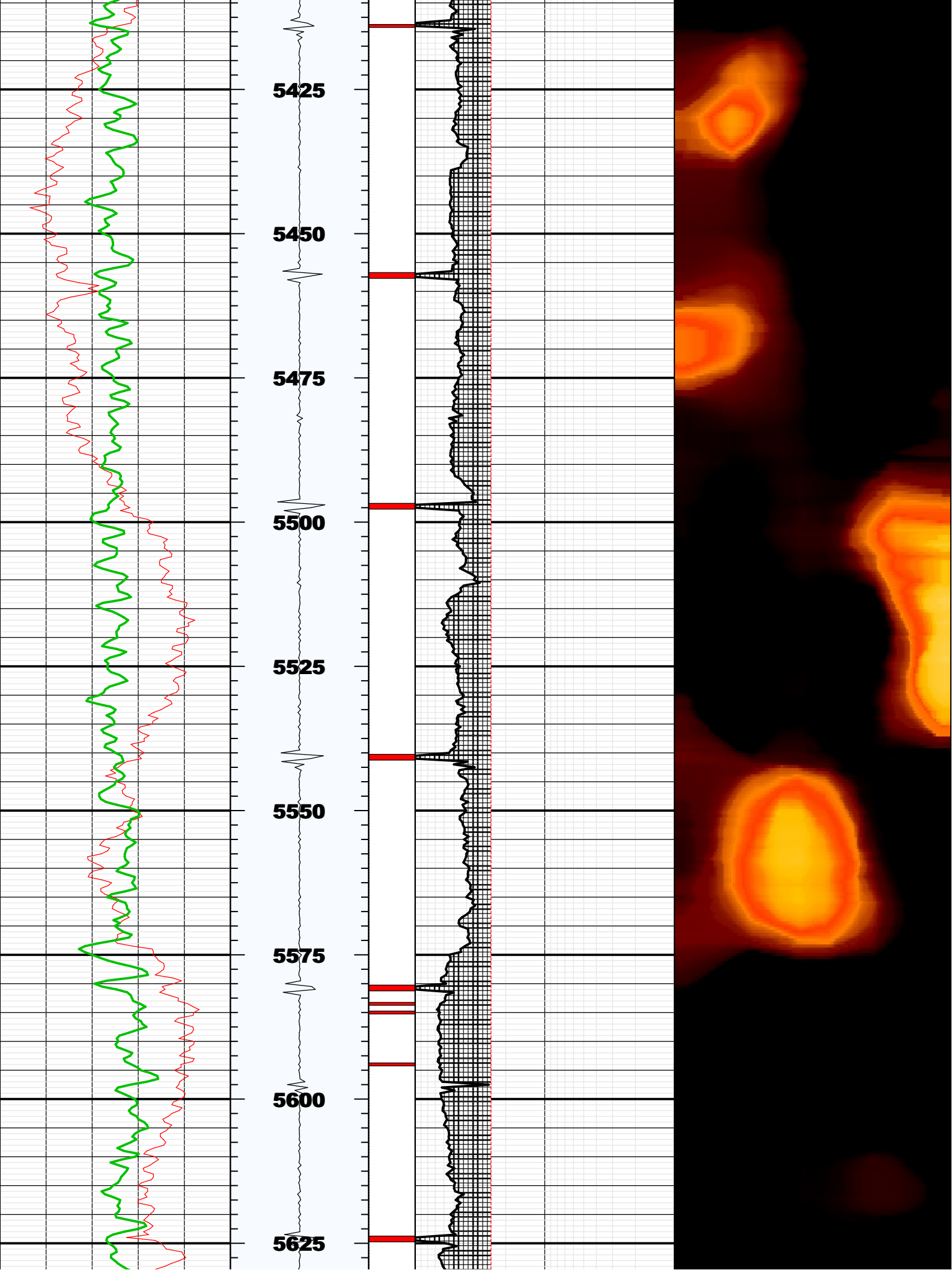


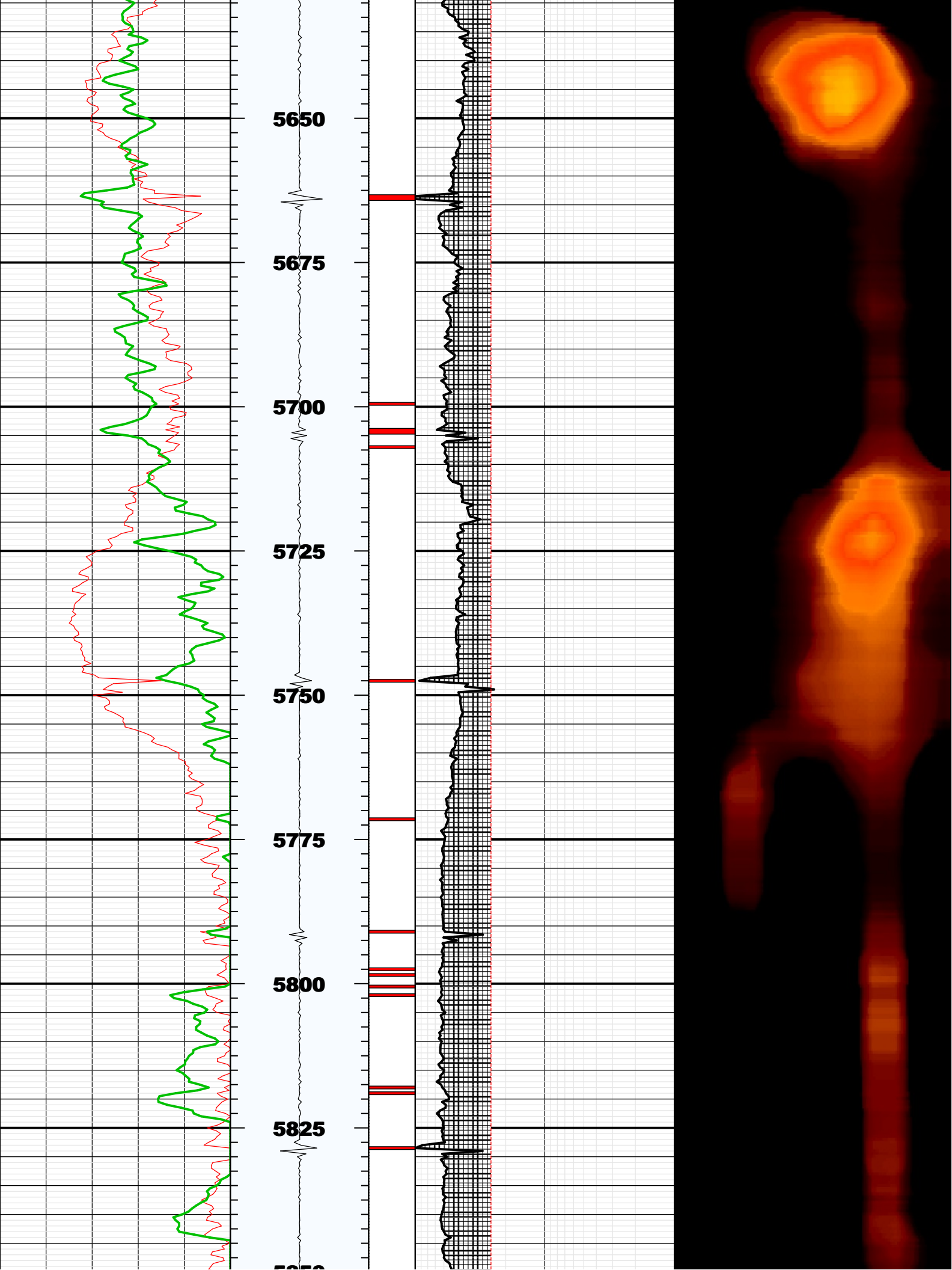


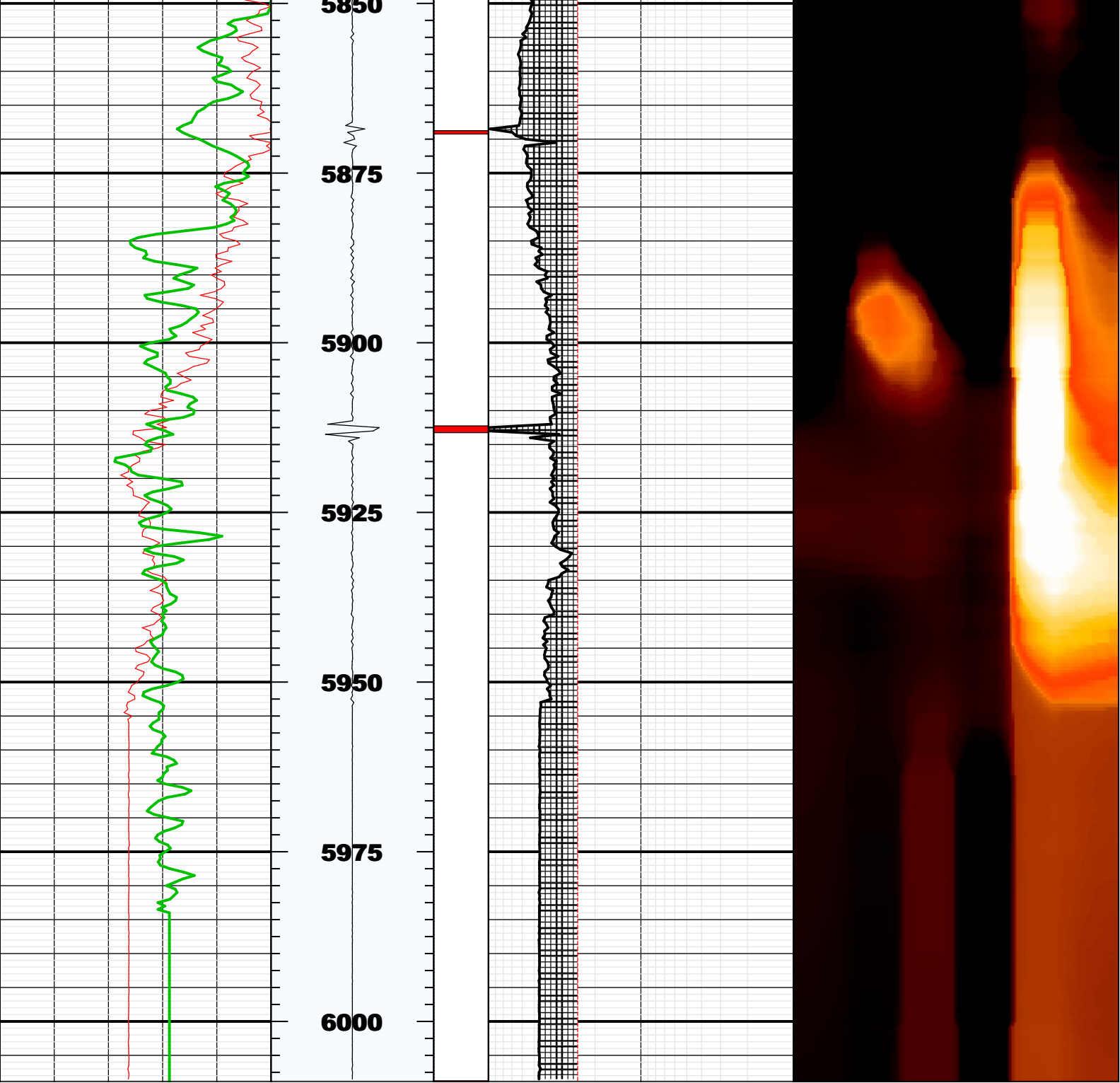








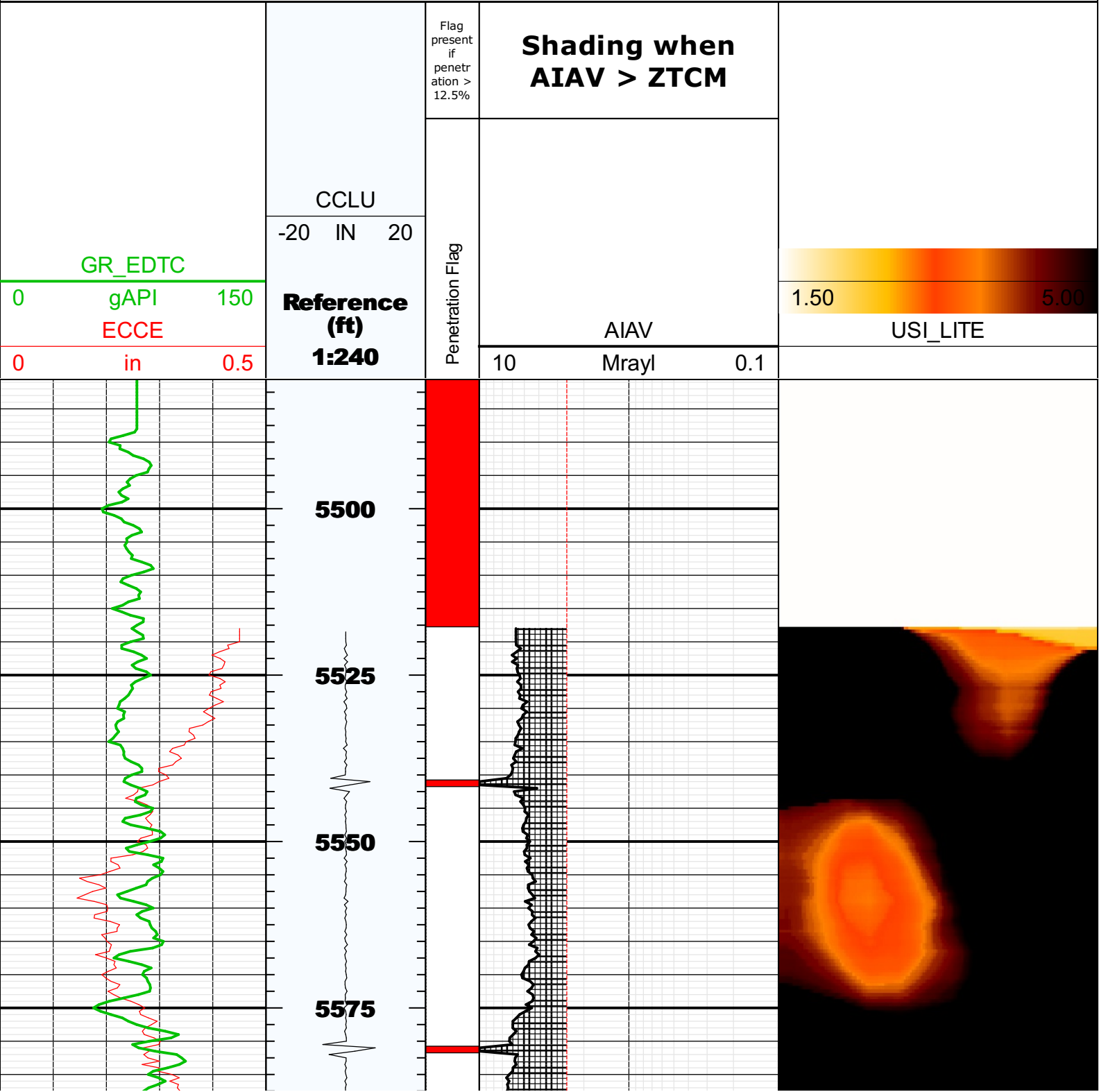


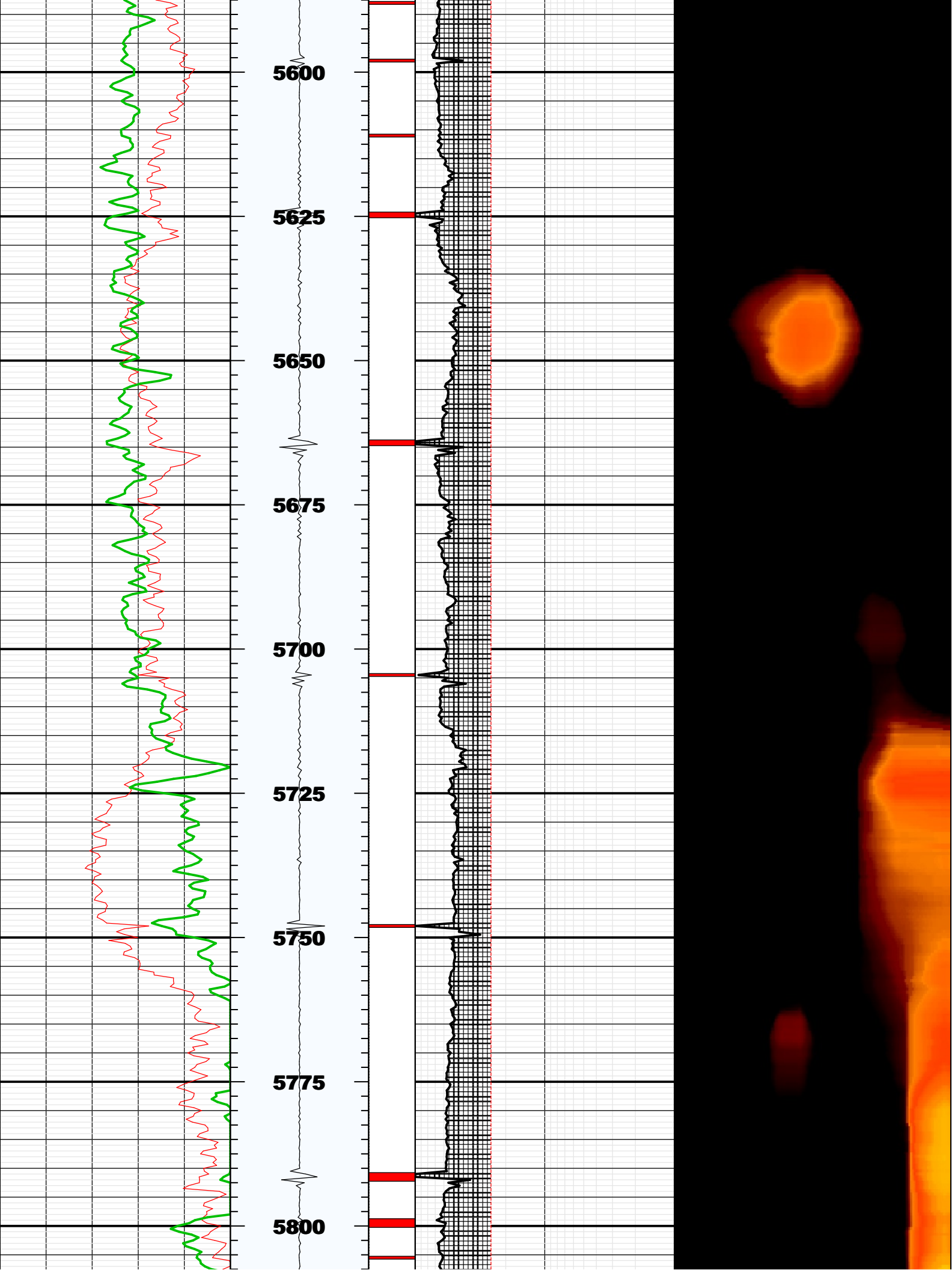


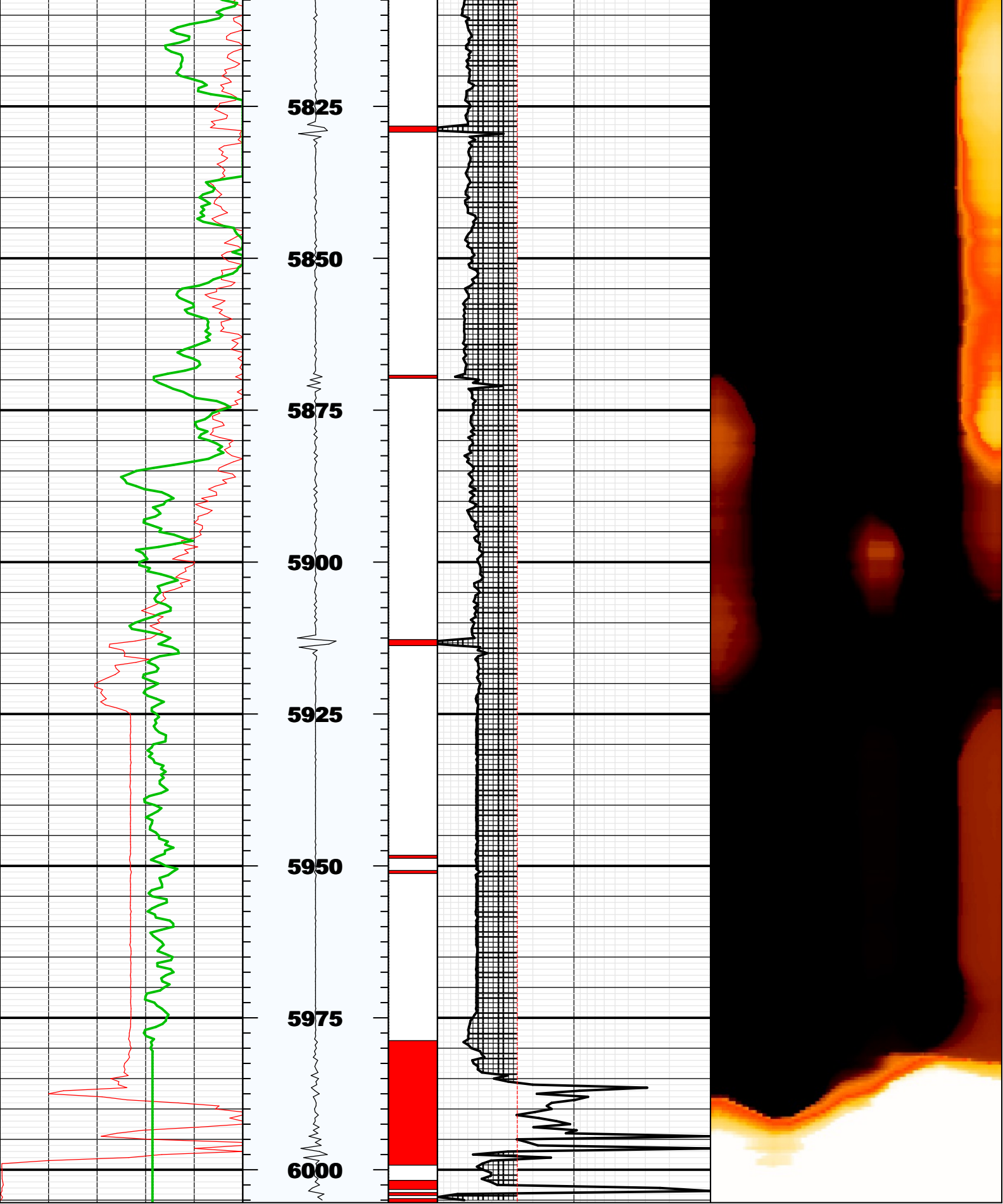
BS	6.12500	IN	Bit Size
CASG	P110		Casing Grade
CDIA	7.00000	IN	Casing Outer Diameter
CSID	6.27600	IN	Casing Inner Diameter
CSIZ	7.00000	IN	Current Casing Size
CWEI	26.00000	LB/F	Casing Weight
DFD	8.40000	LB/G	Drilling Fluid Density
DFVL	190.00000	US/F	Default Fluid Velocity
DO			
DOT	2.87400	IN	Diameter of Transducer Sensor
EMXV	48	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	BRINE		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	30.00000	US	Window Begin Time
WINE	75.00000	US	Window End Time
ZCAS	46.25000	MRAY	Acoustic Impedance of Casing
ZINI	-1.00000	MRAY	Initial Estimate of Cement Impedance
ZMUD	1.78000	MRAY	Acoustic Impedance of Mud
ZTCM	2.60000	MRAY	Acoustic Impedance Threshold for Cement
ZTGS	0.30000	MRAY	Acoustic Impedance Threshold for Gas
WLEN	15.36685	US	T^3 Processing Length

Repeat Pass

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Fluid Properties Used for Main Pass

