

Company: Noble Energy Inc.

Well: KIDD LD22-780  
Field: Wildcat  
County: Weld

State: Colorado

County: Weld		
Field: Wildcat		
Location: SHL SWSW S22 T9N R58W		
Well: KIDD LD22-780		
Company: Noble Energy Inc.		
USI-LITE	LOCATION	
	Permanent Datum: Log Measured From: Drilling Measured From:	
	GL KB KB	
	Elev: K.B. 4852.0 F G.L. 4822.0 F D.F. 4852.0 F	
	API Serial No. 05-123-41589	
	Section 22	
	Township 9N	
	Range 58W	
	Logging Date 22-Sep-2015	
	Run Number ONE	
Depth Driller 10500.0 F		
Schlumberger Depth 10500.0 F		
Bottom Log Interval 6089.0 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 8.750 IN		
From 765.0 F		
To 6228.0 F		
Casing Size 7.00 IN		
Weight 26.00 LB/F		
Grade P110		
From 30.0 F		
To 6218.1 F		
Max Recorded Temp 198.0		
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

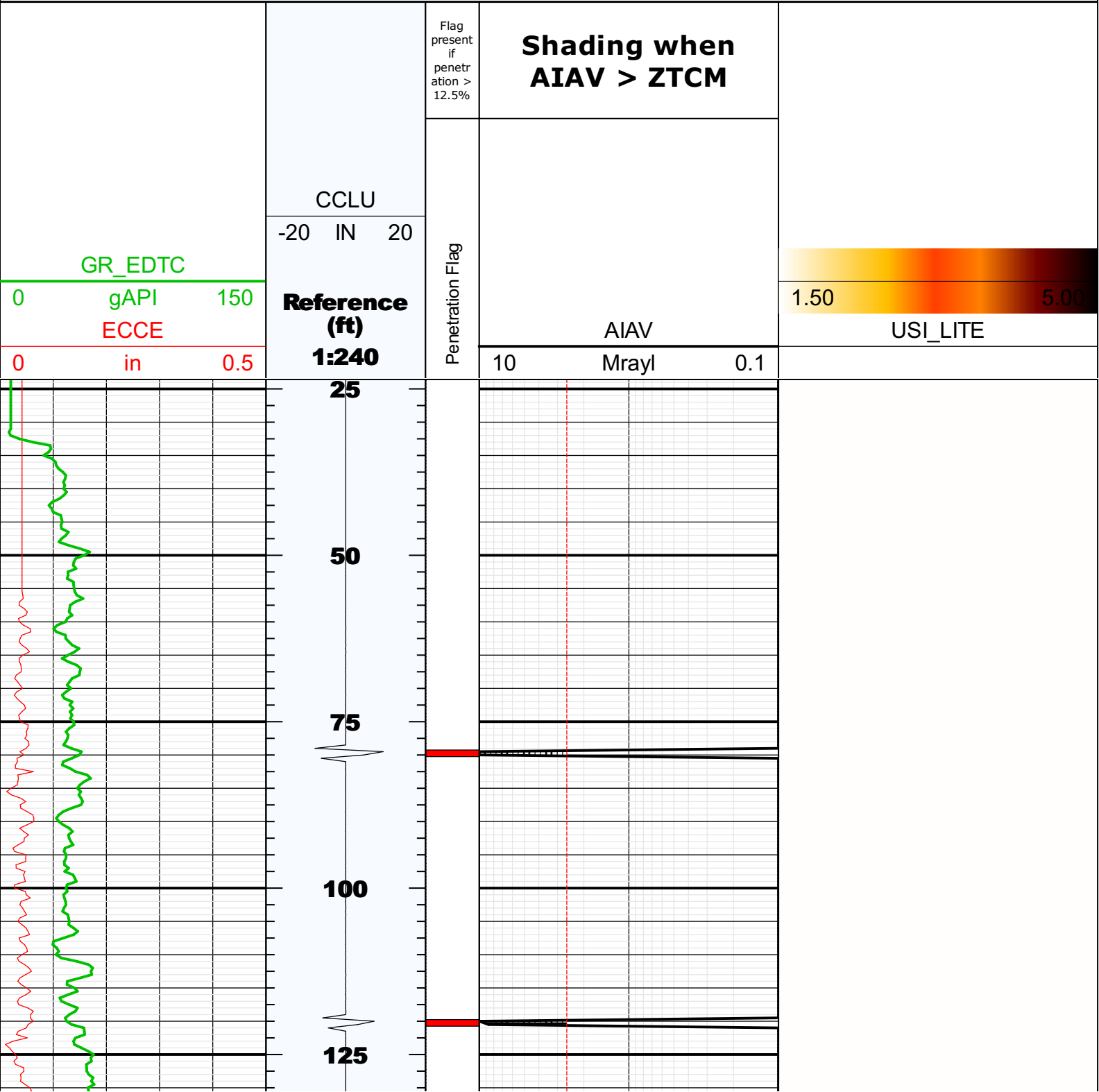
DISCLAIMER

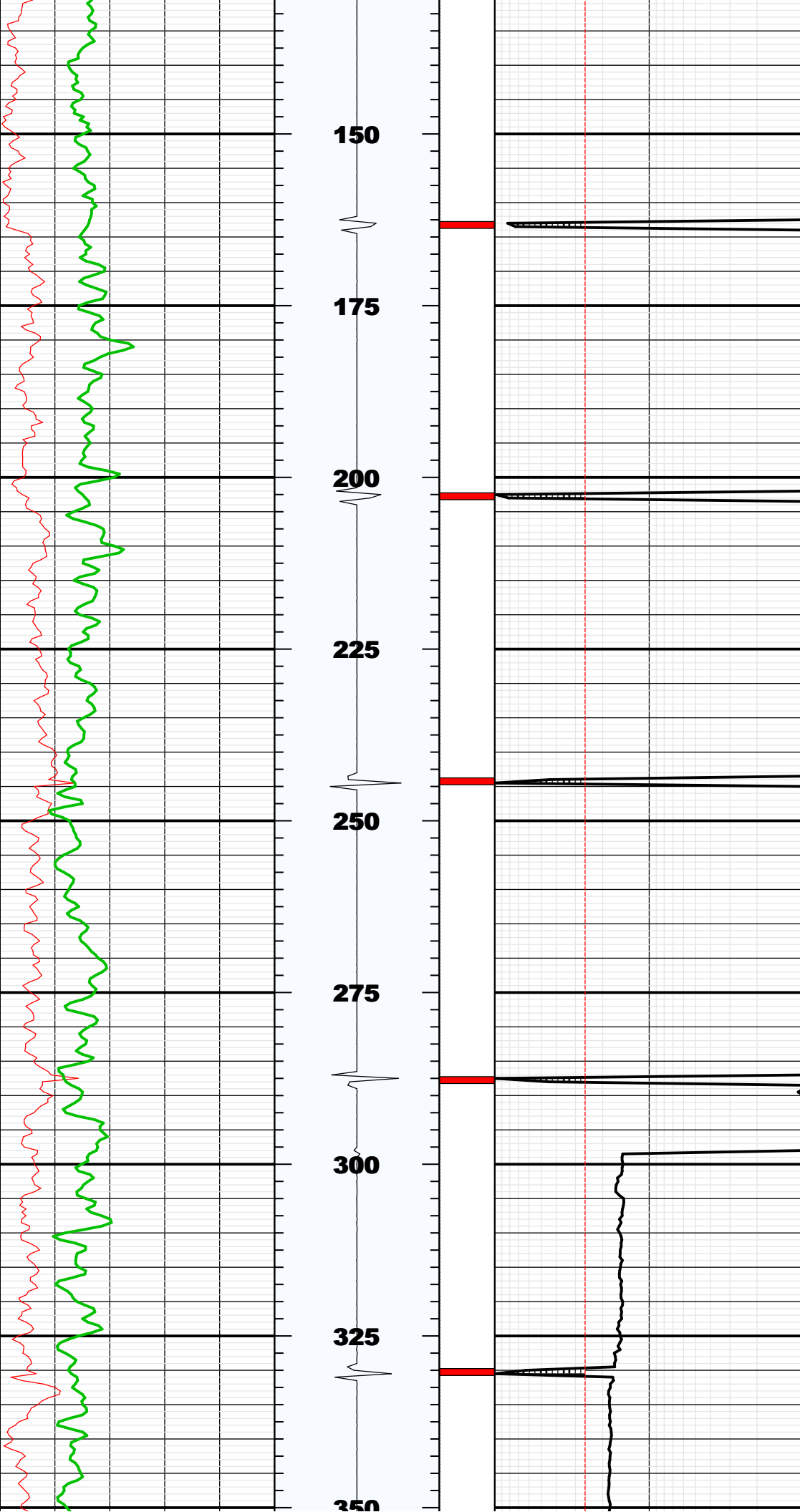
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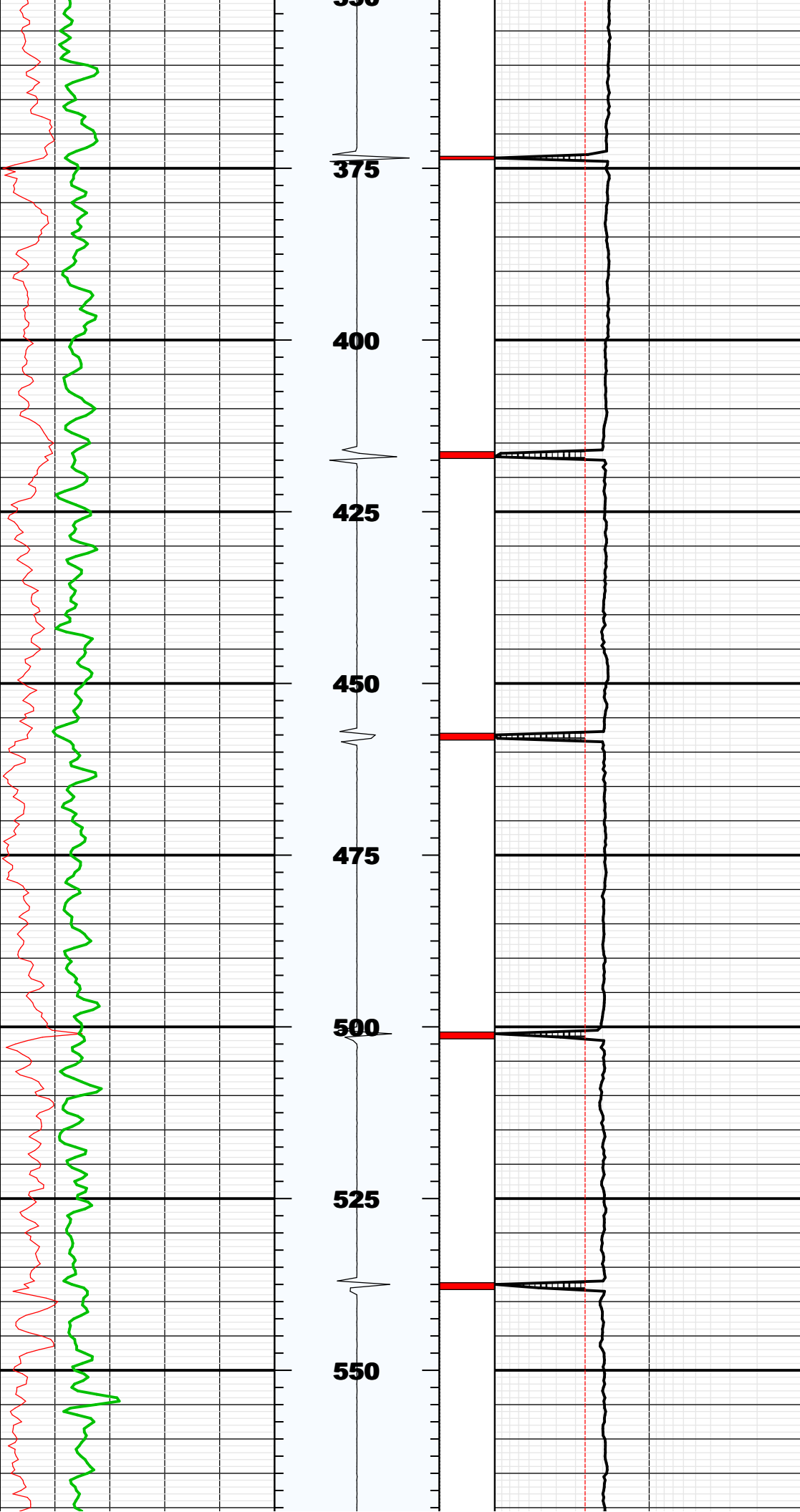
This is teh first run in the well.  
Toolstring run as per toolsketch.  
Log Objective Cement Evaluation.  
Estimcated TOC @ 1620'. Expected TOC@ 1500'.  
Bottom Log interval at 6089'.  
Bottom hole temperature was 198 degF.

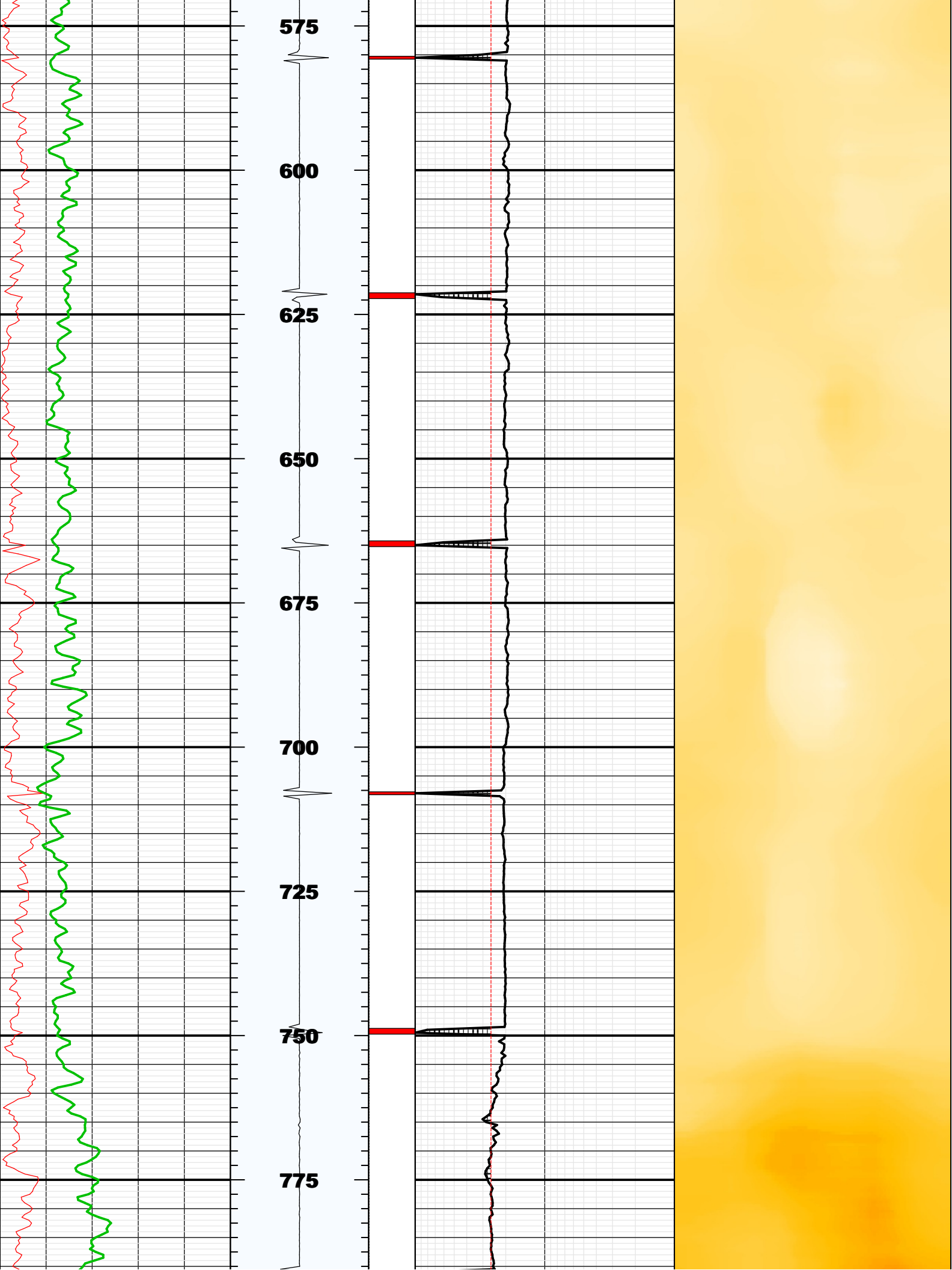
Main Pass

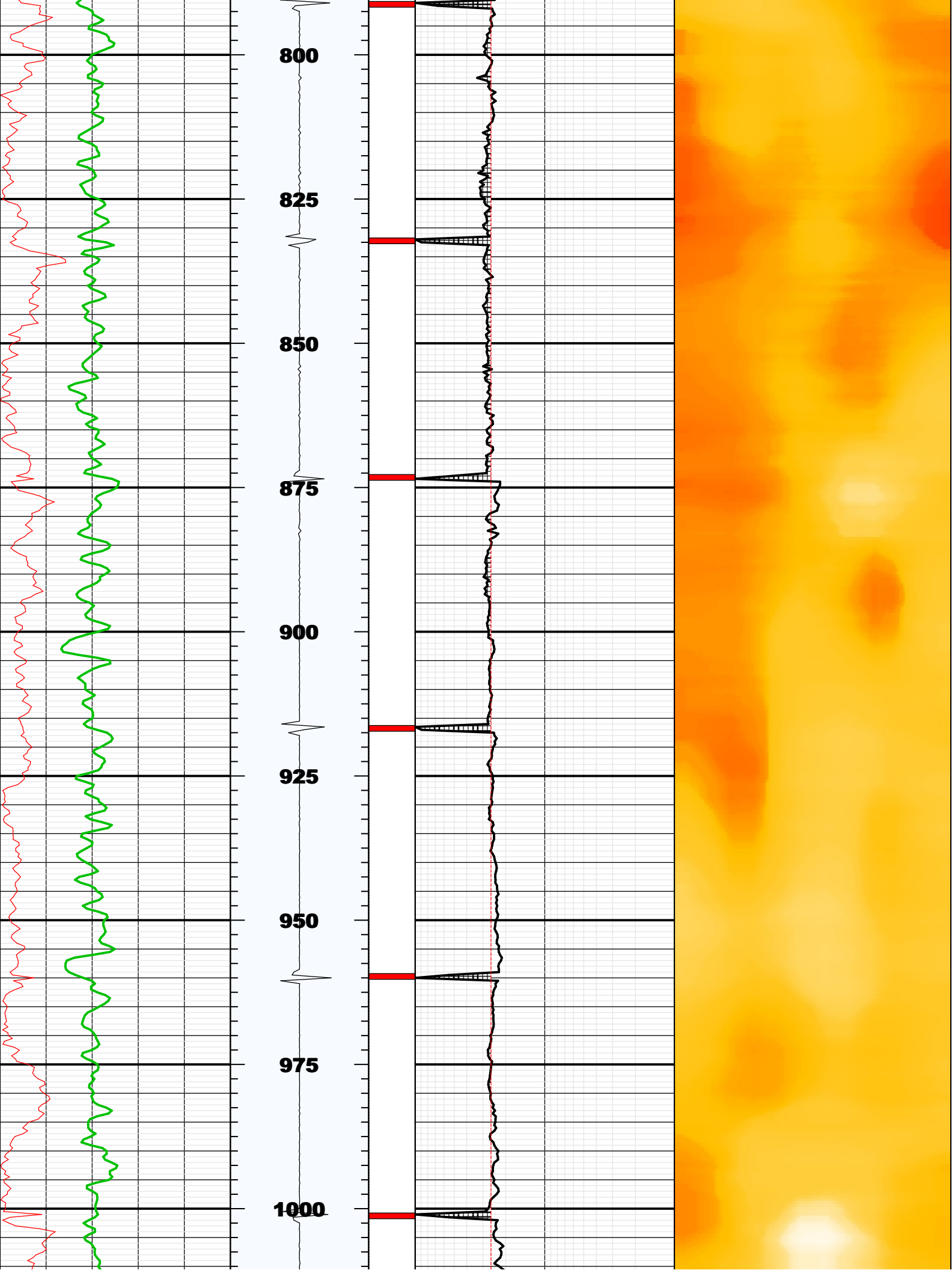
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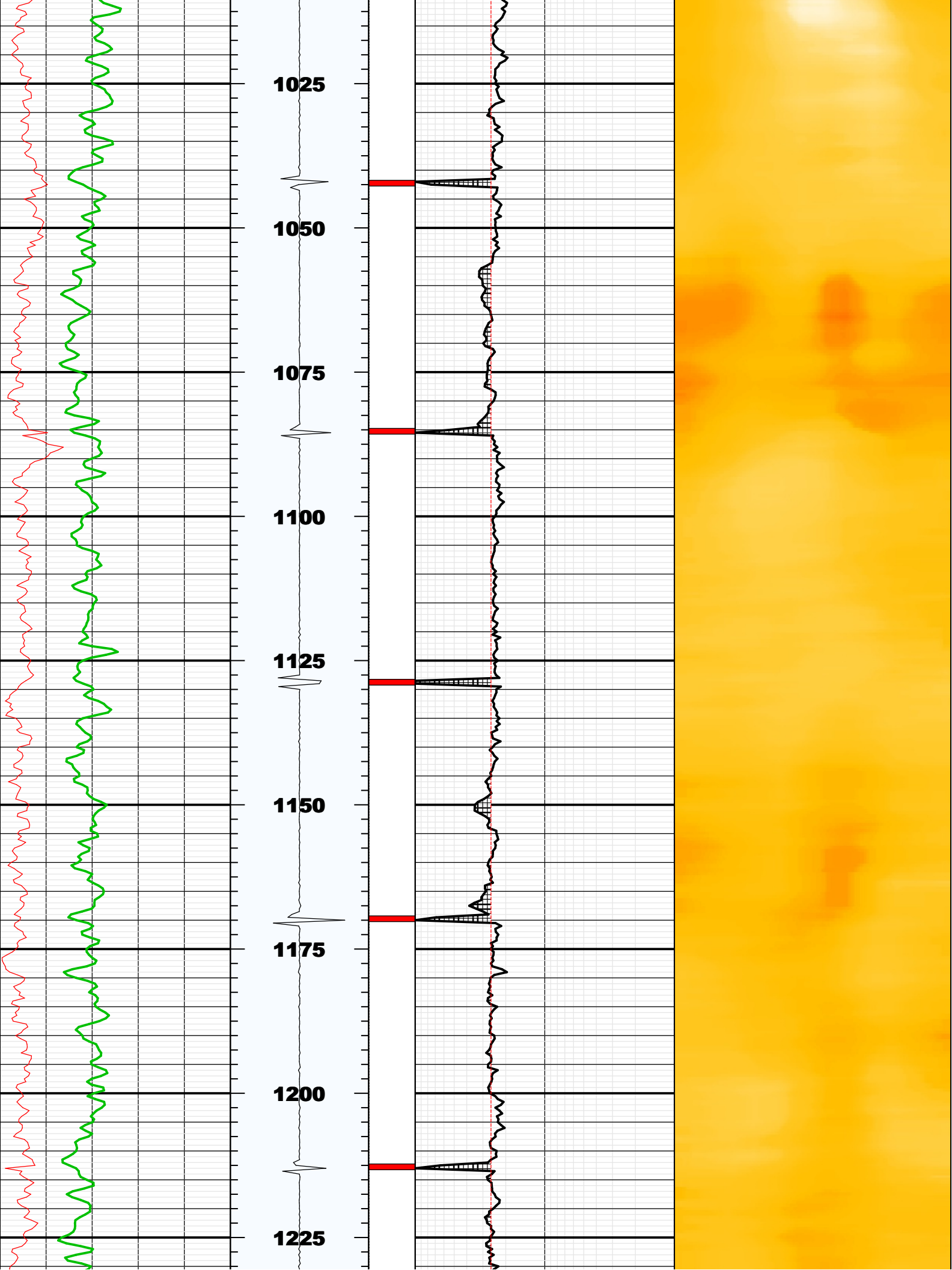




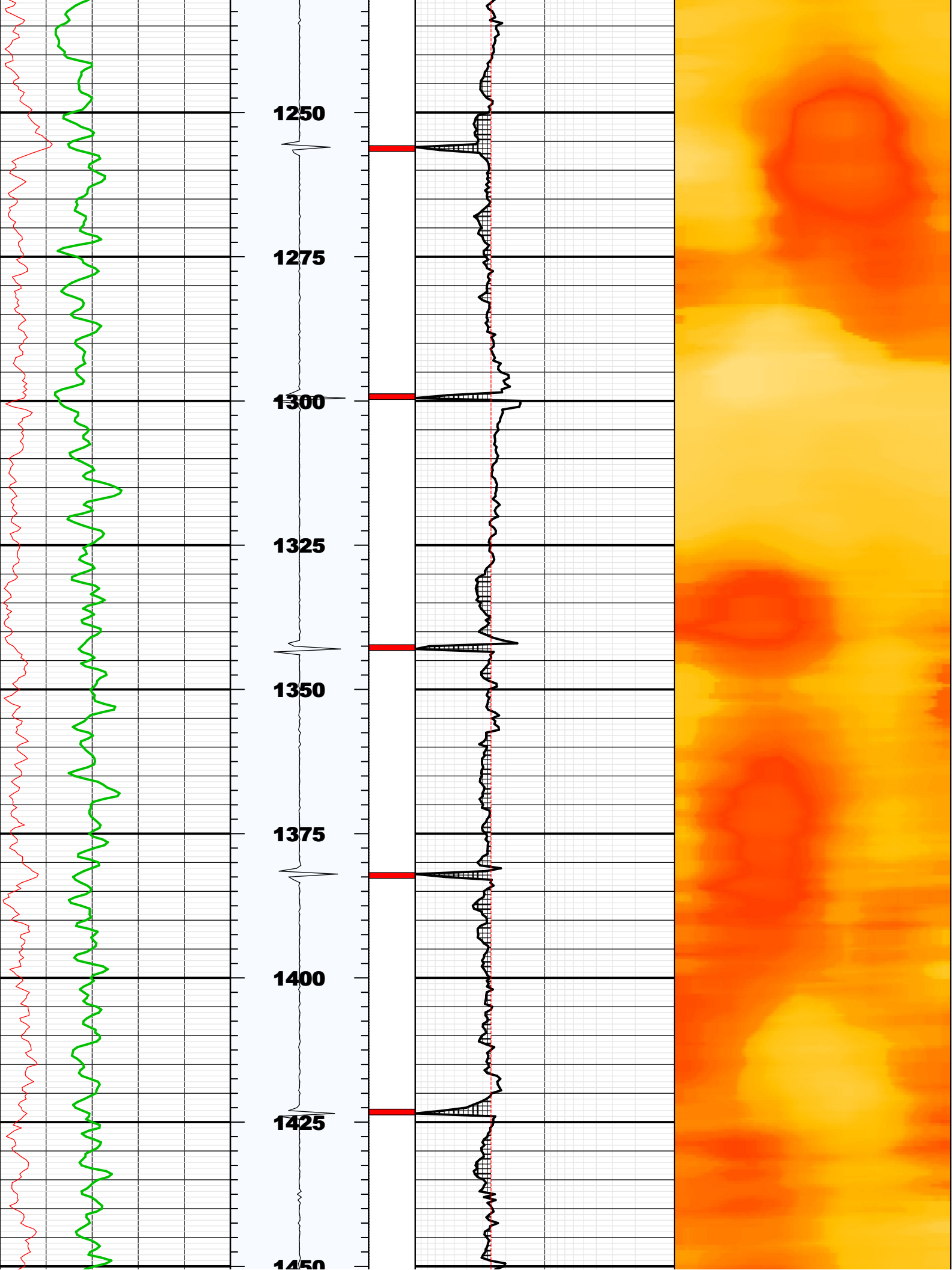


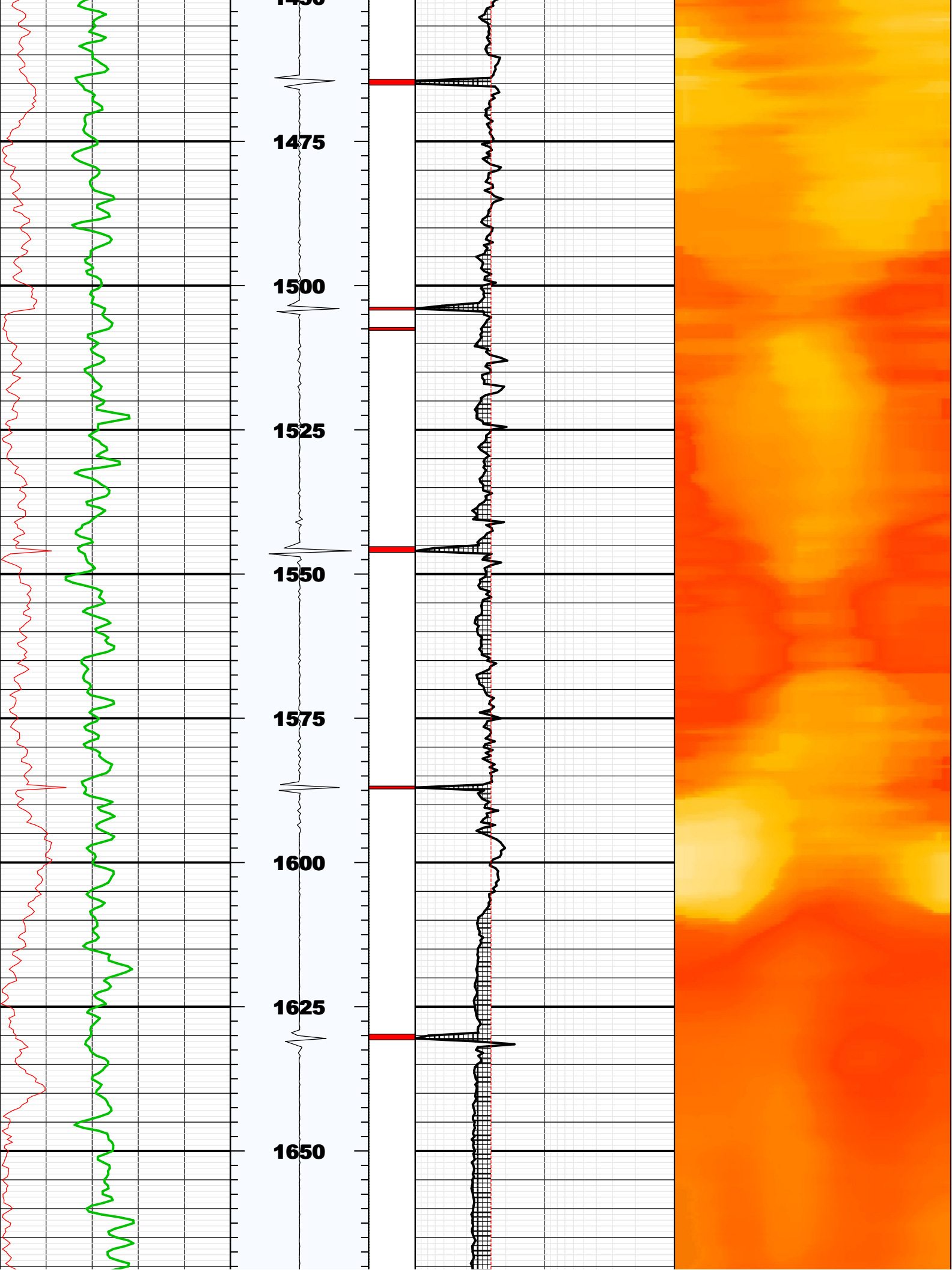


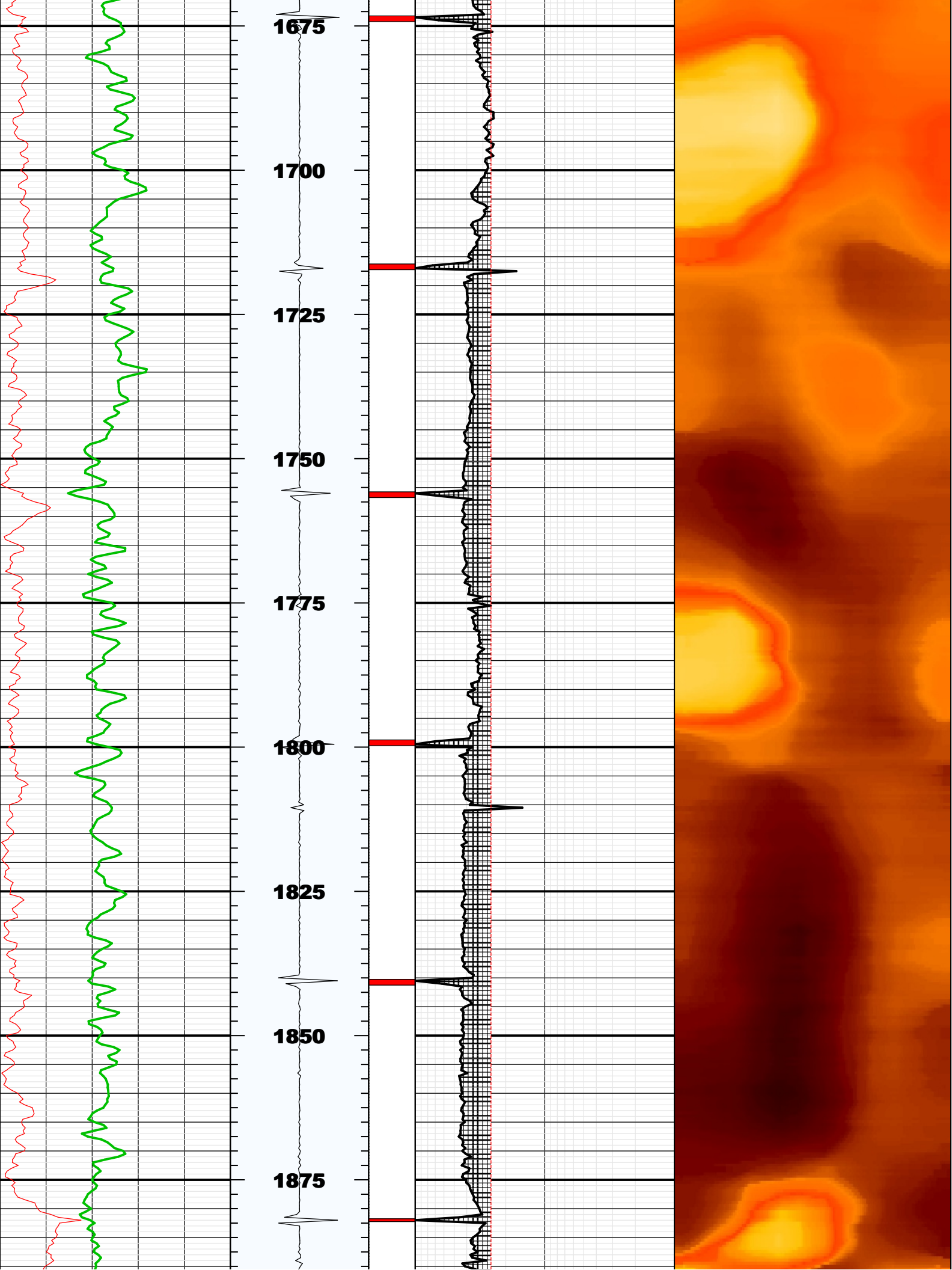


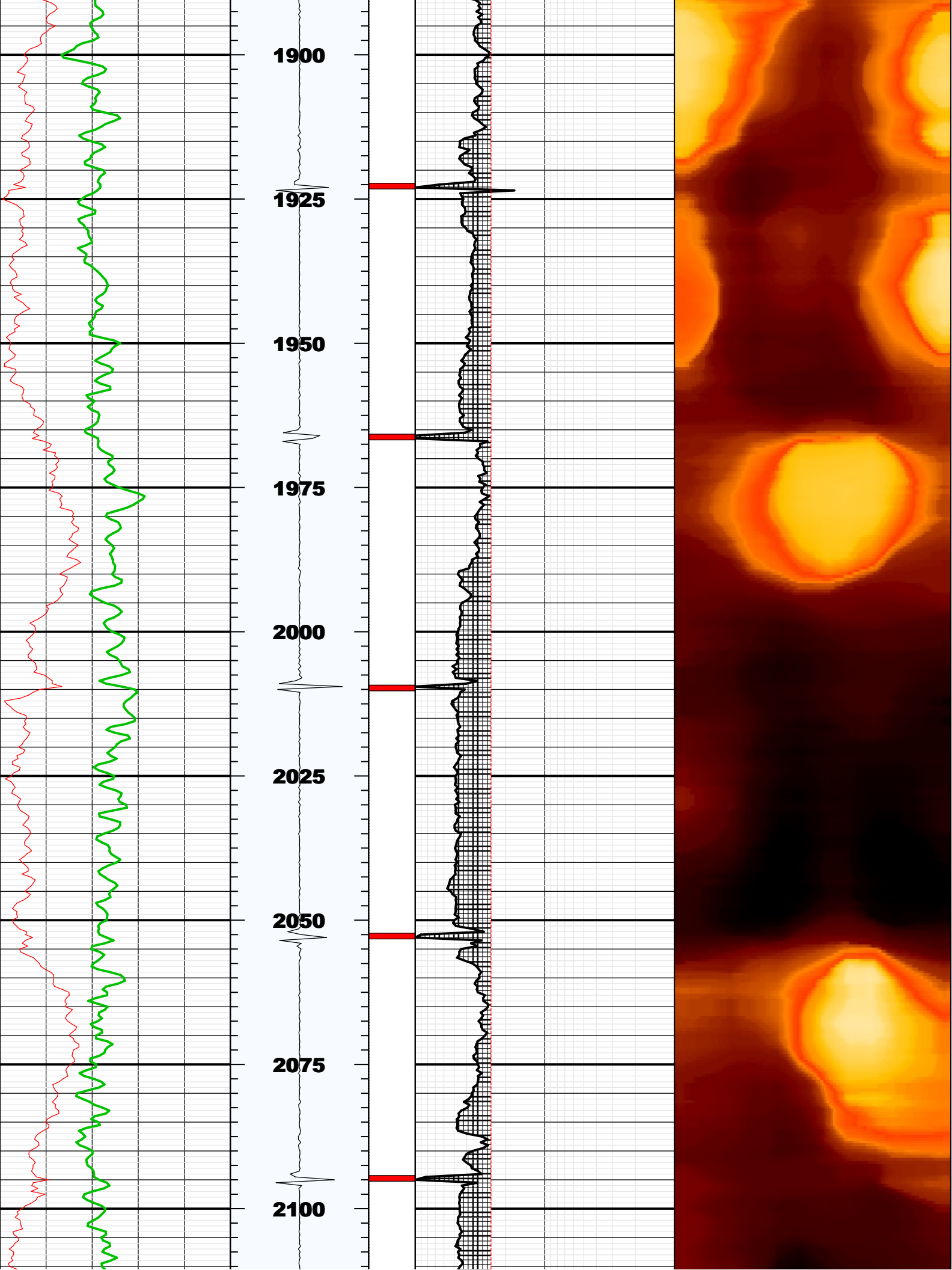




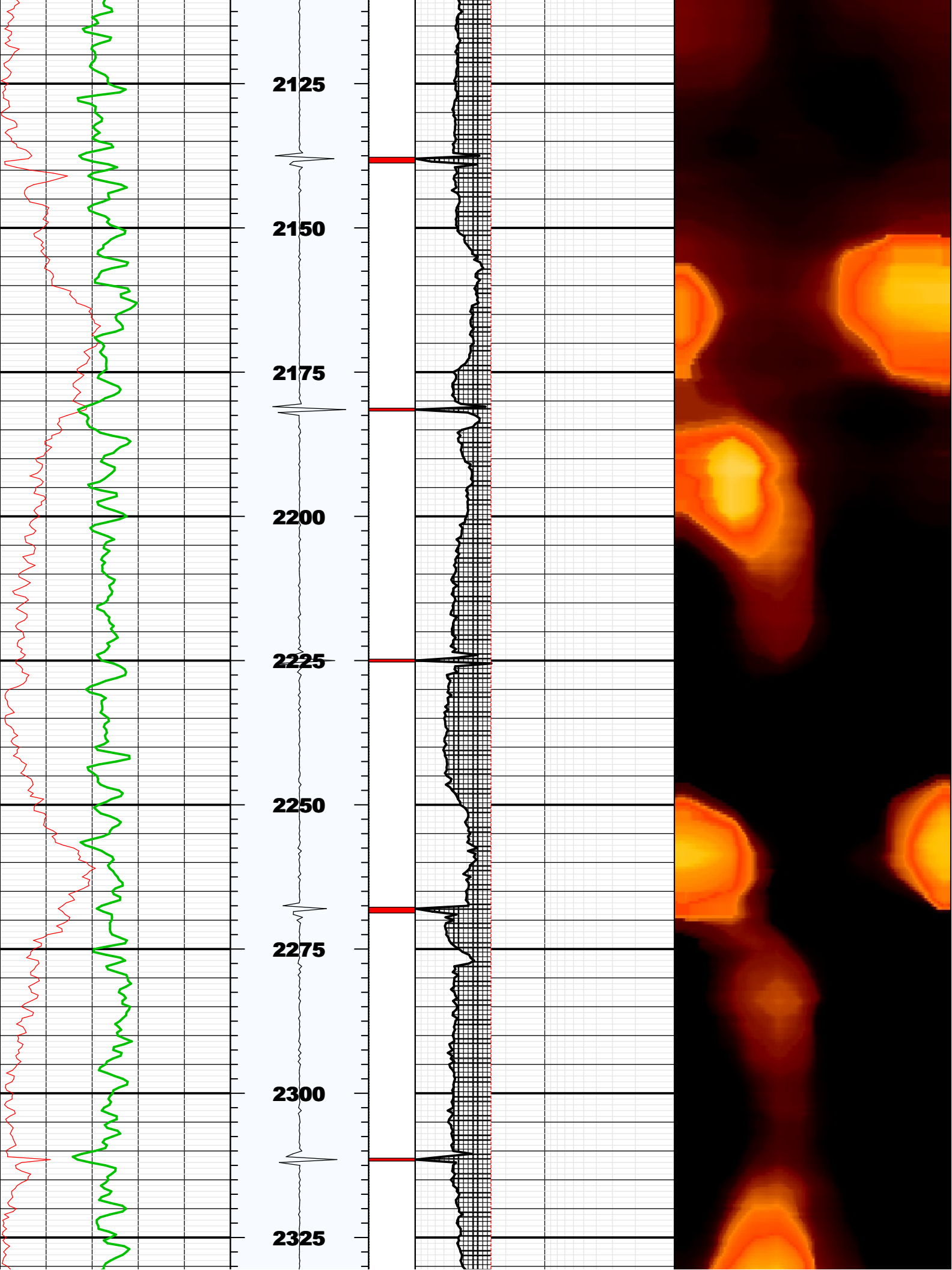


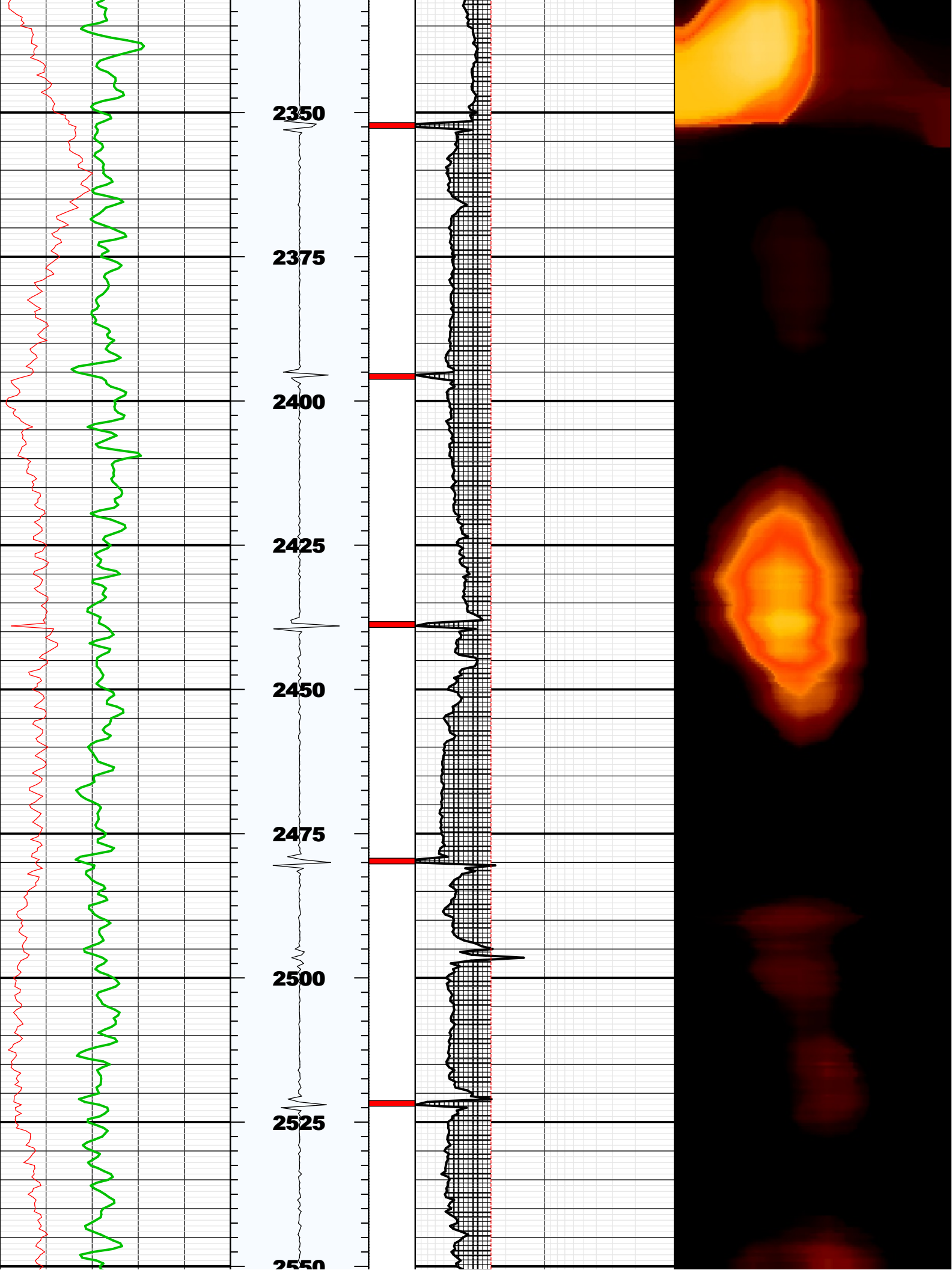


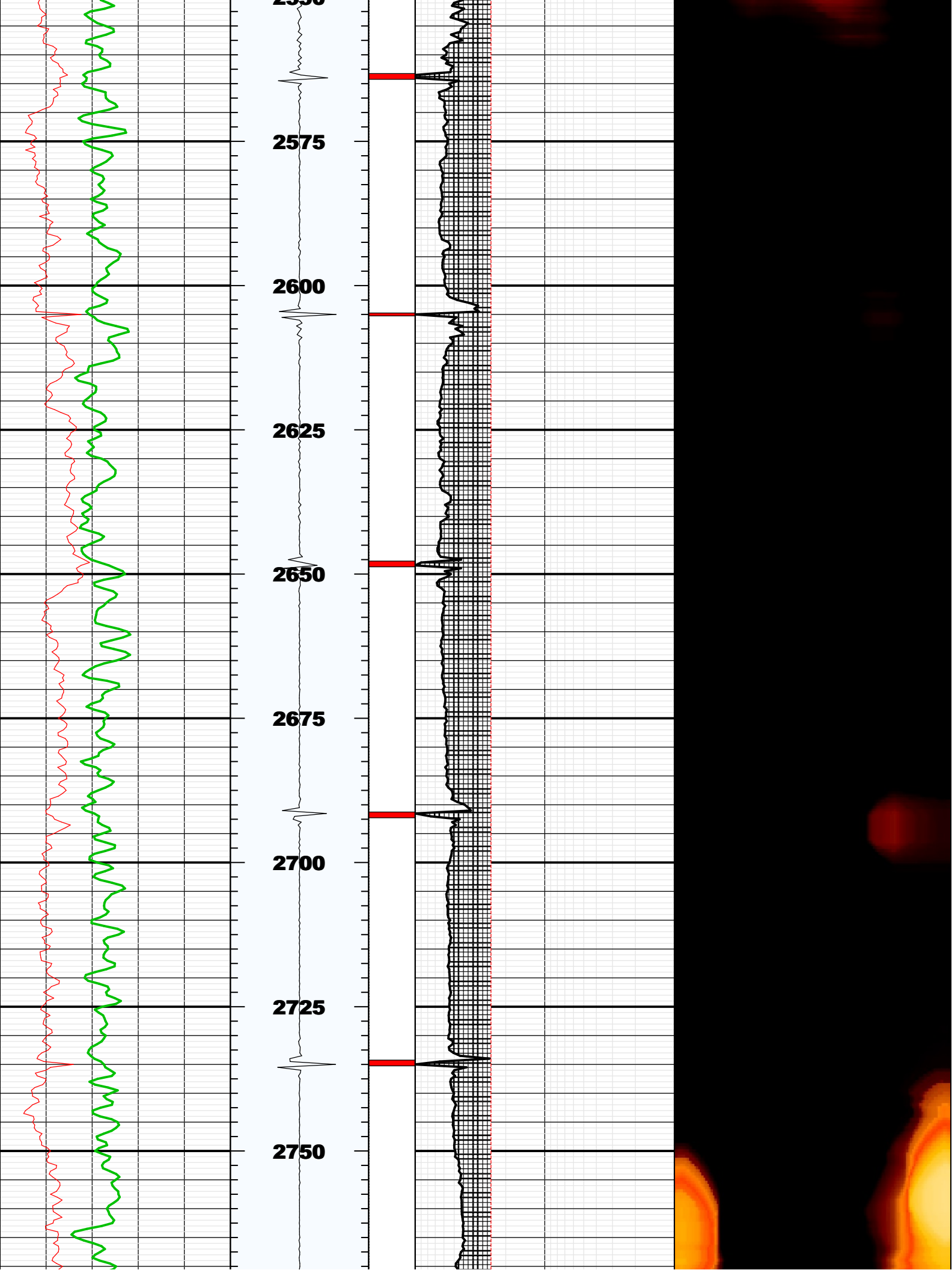


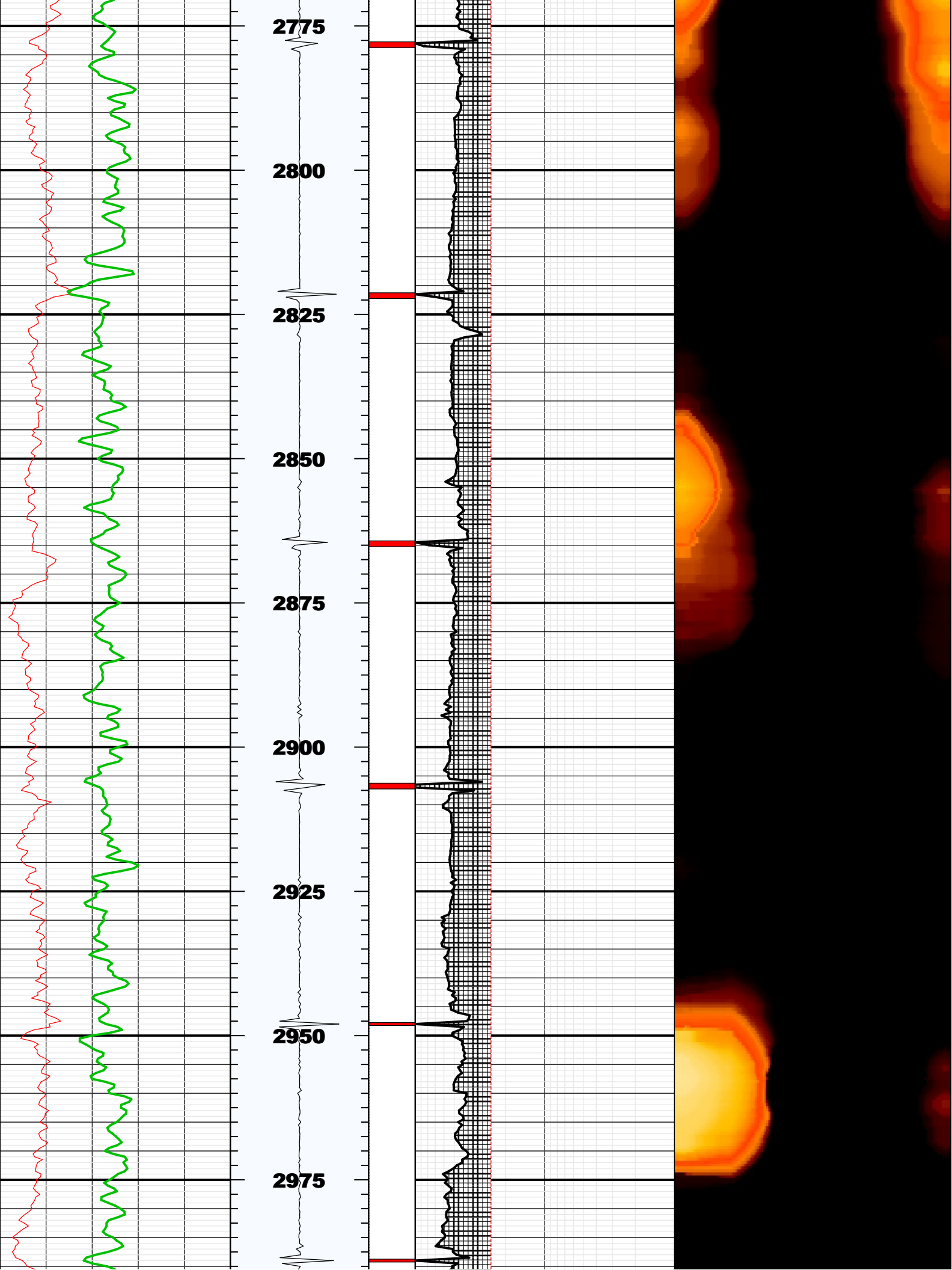




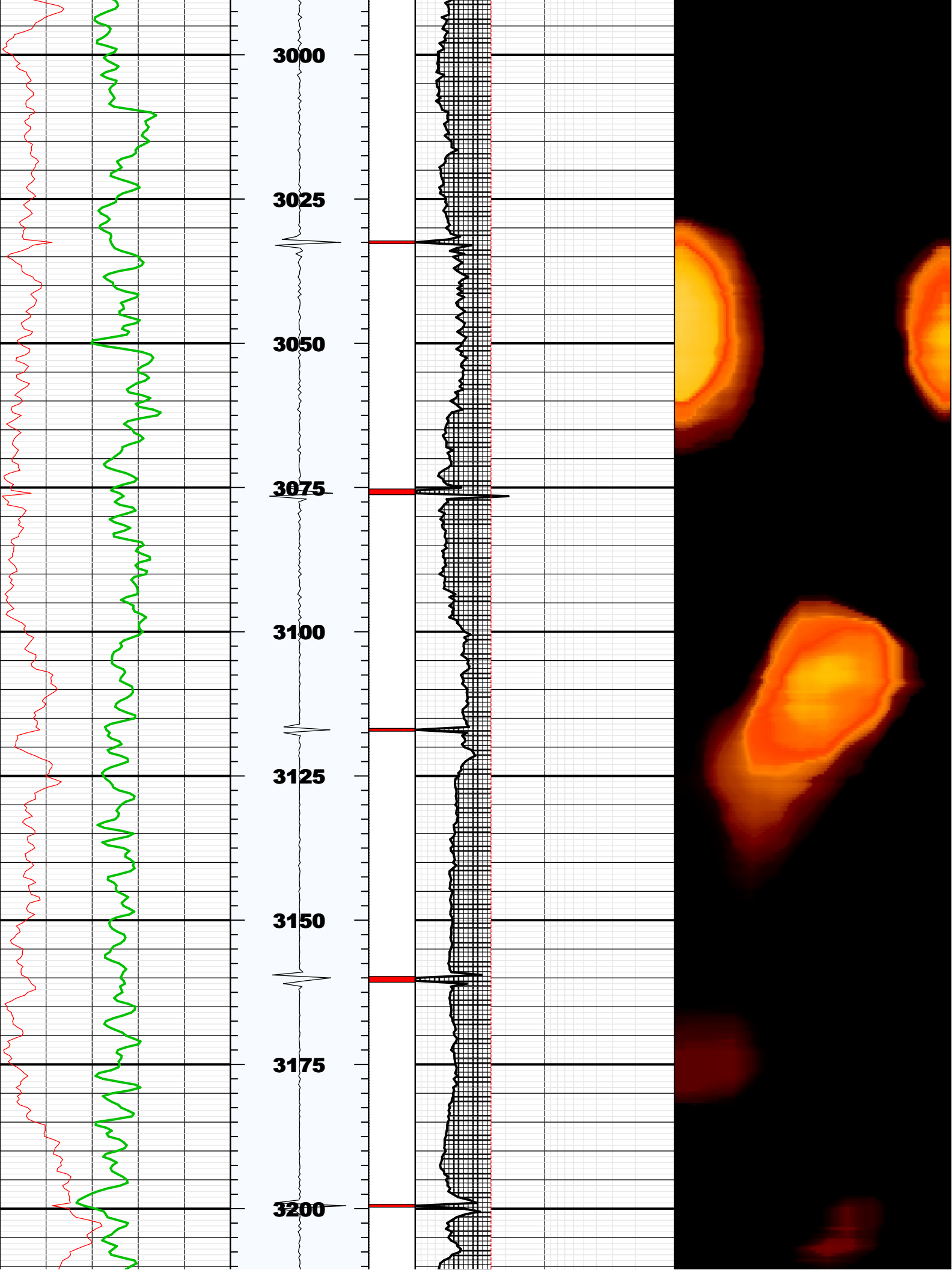


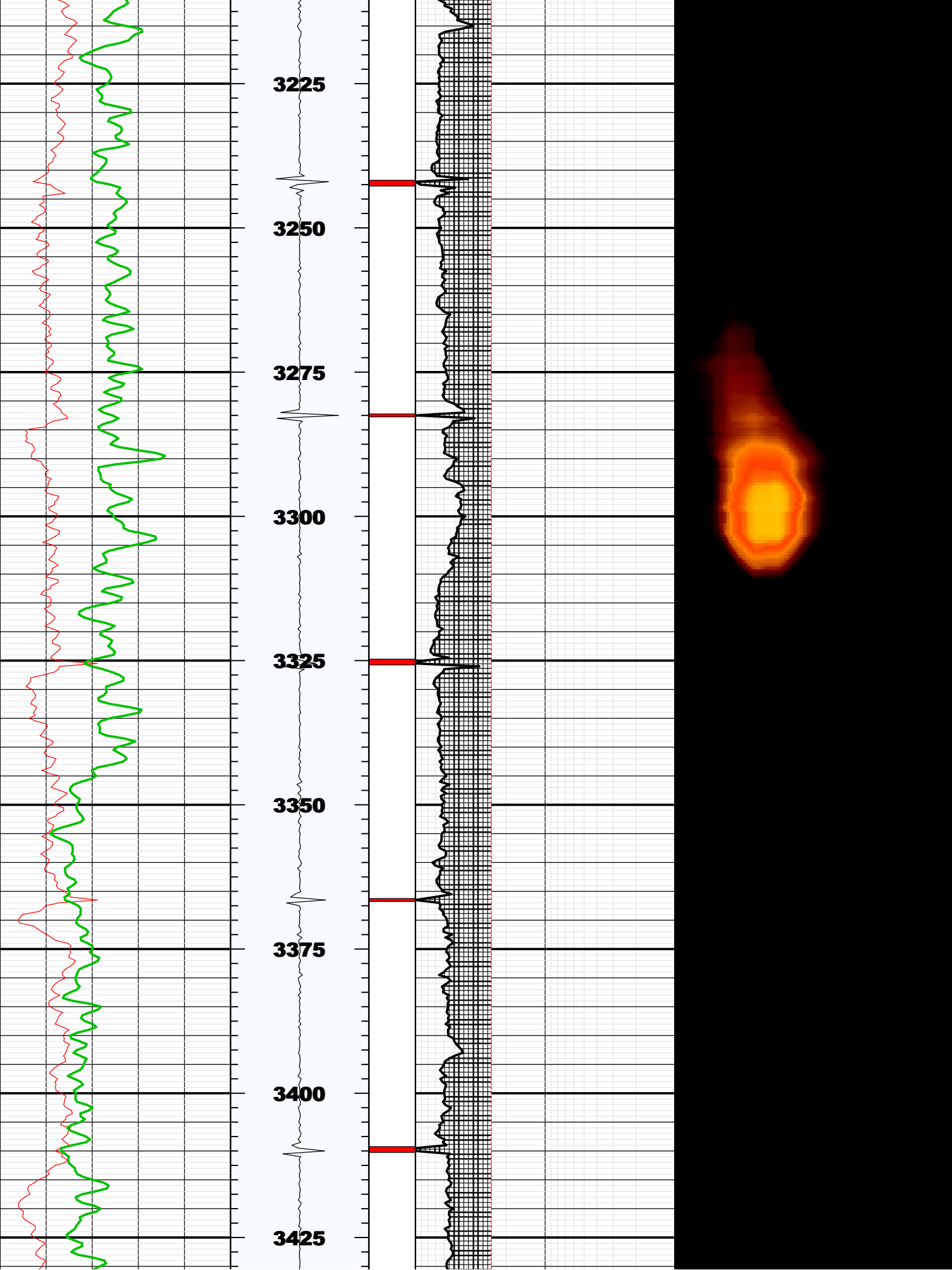


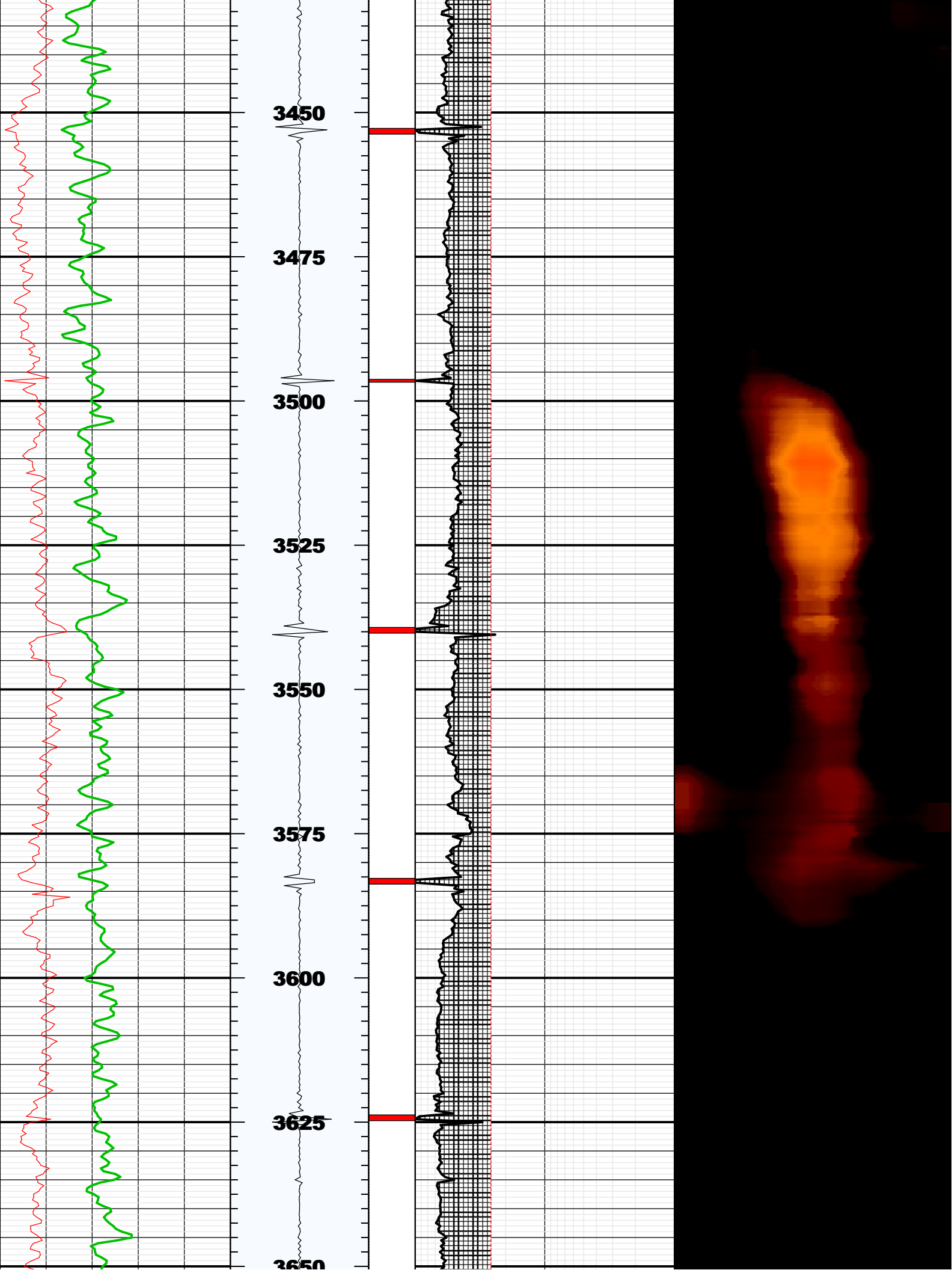


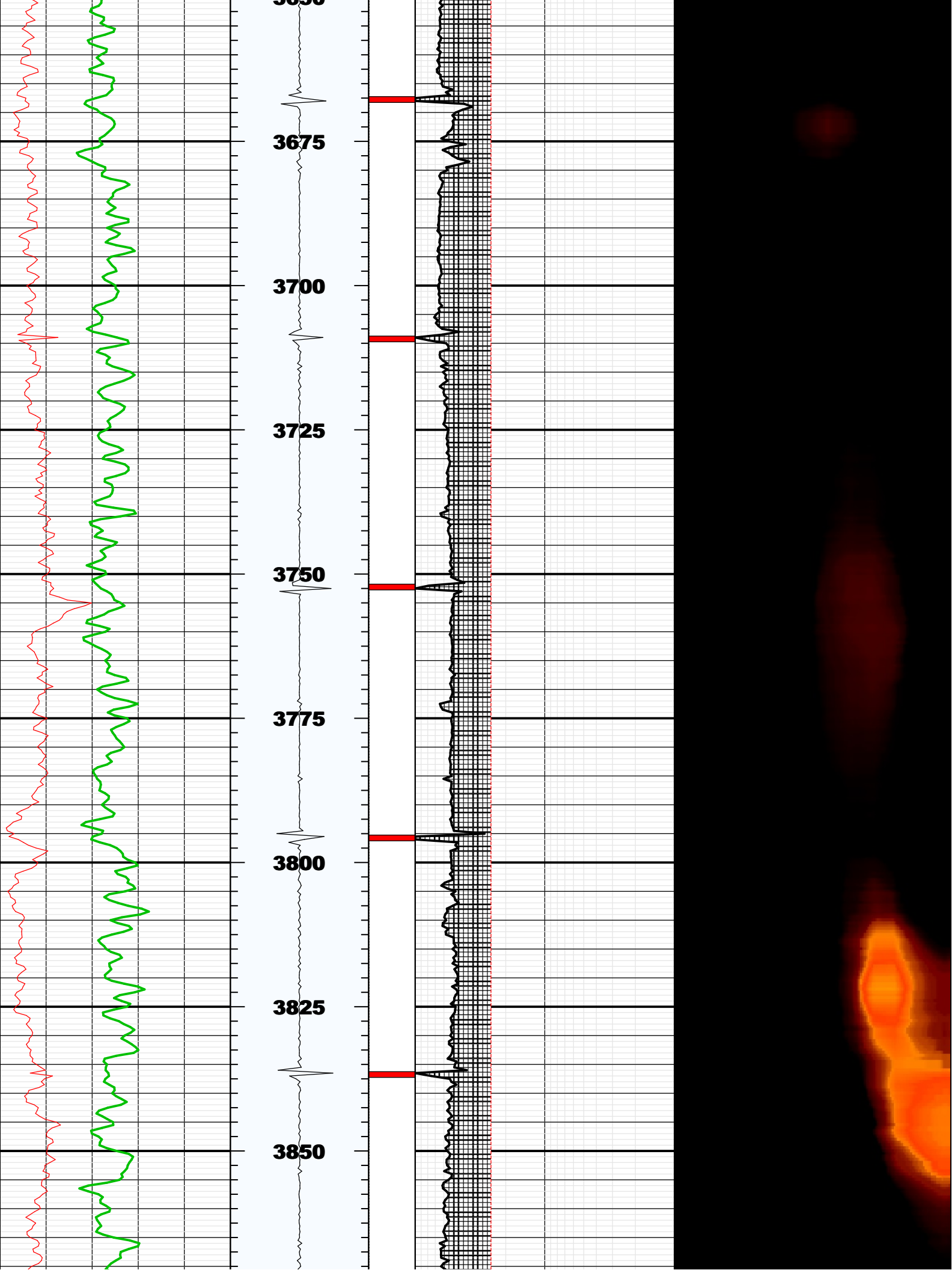


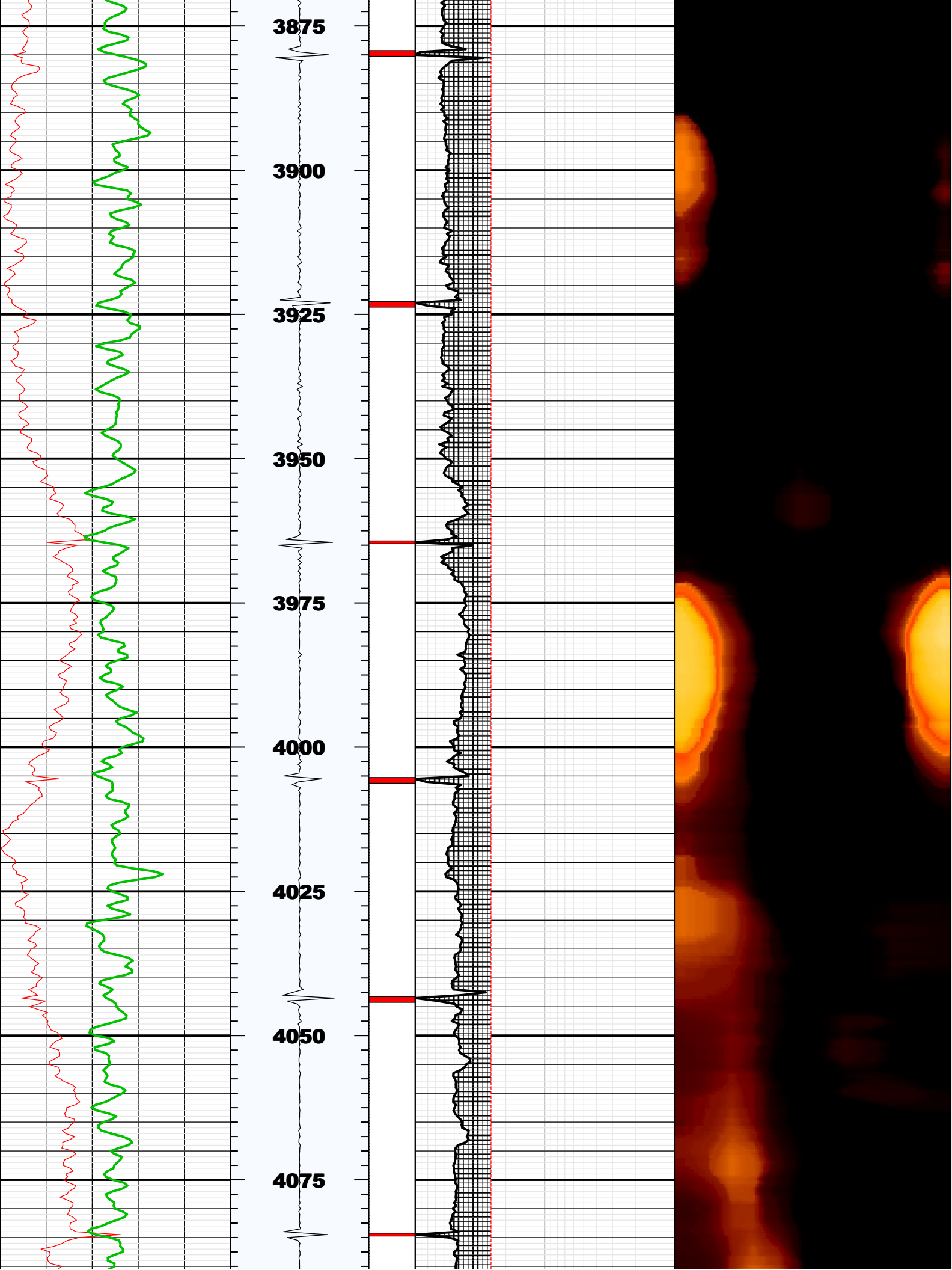




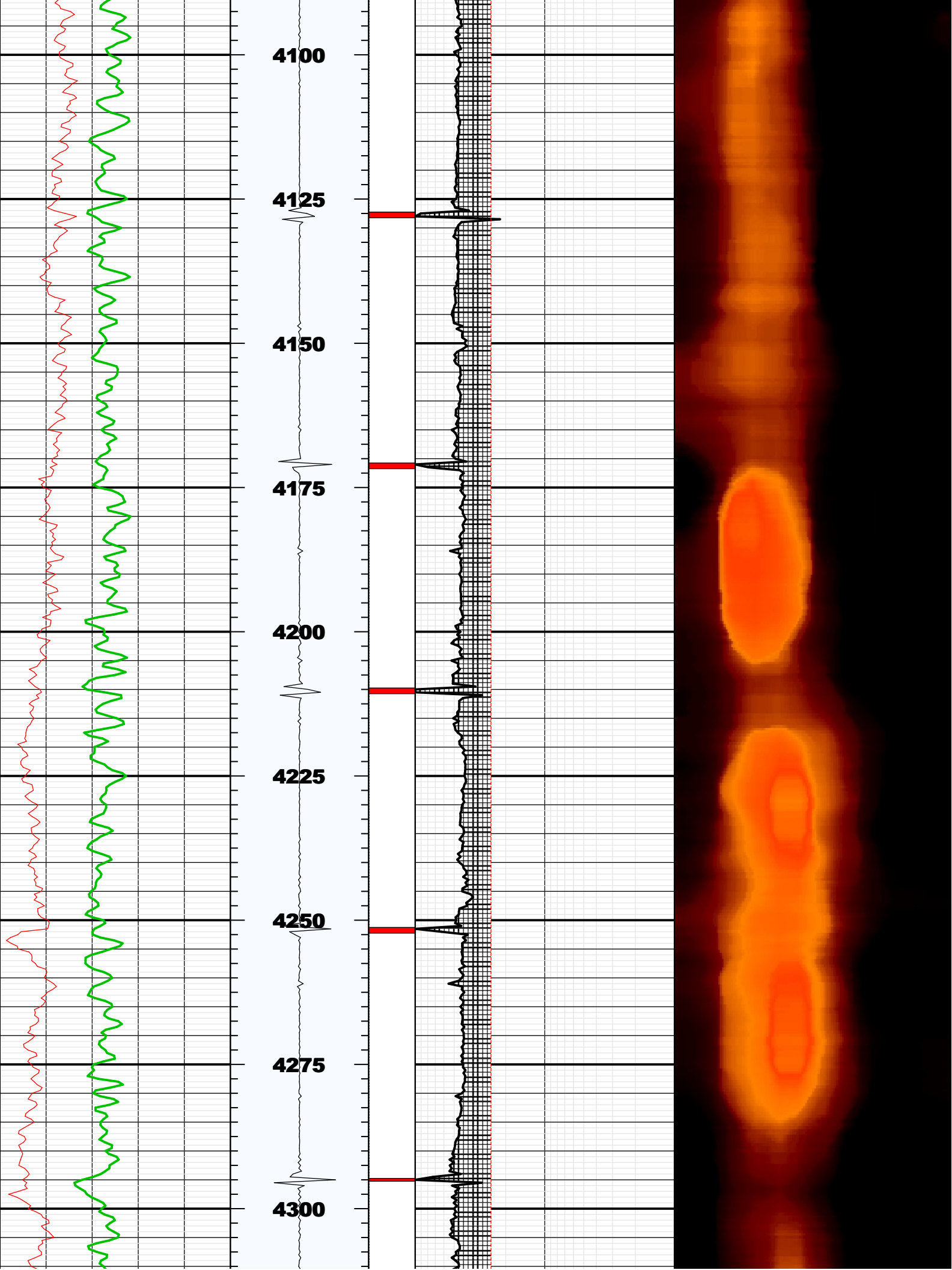


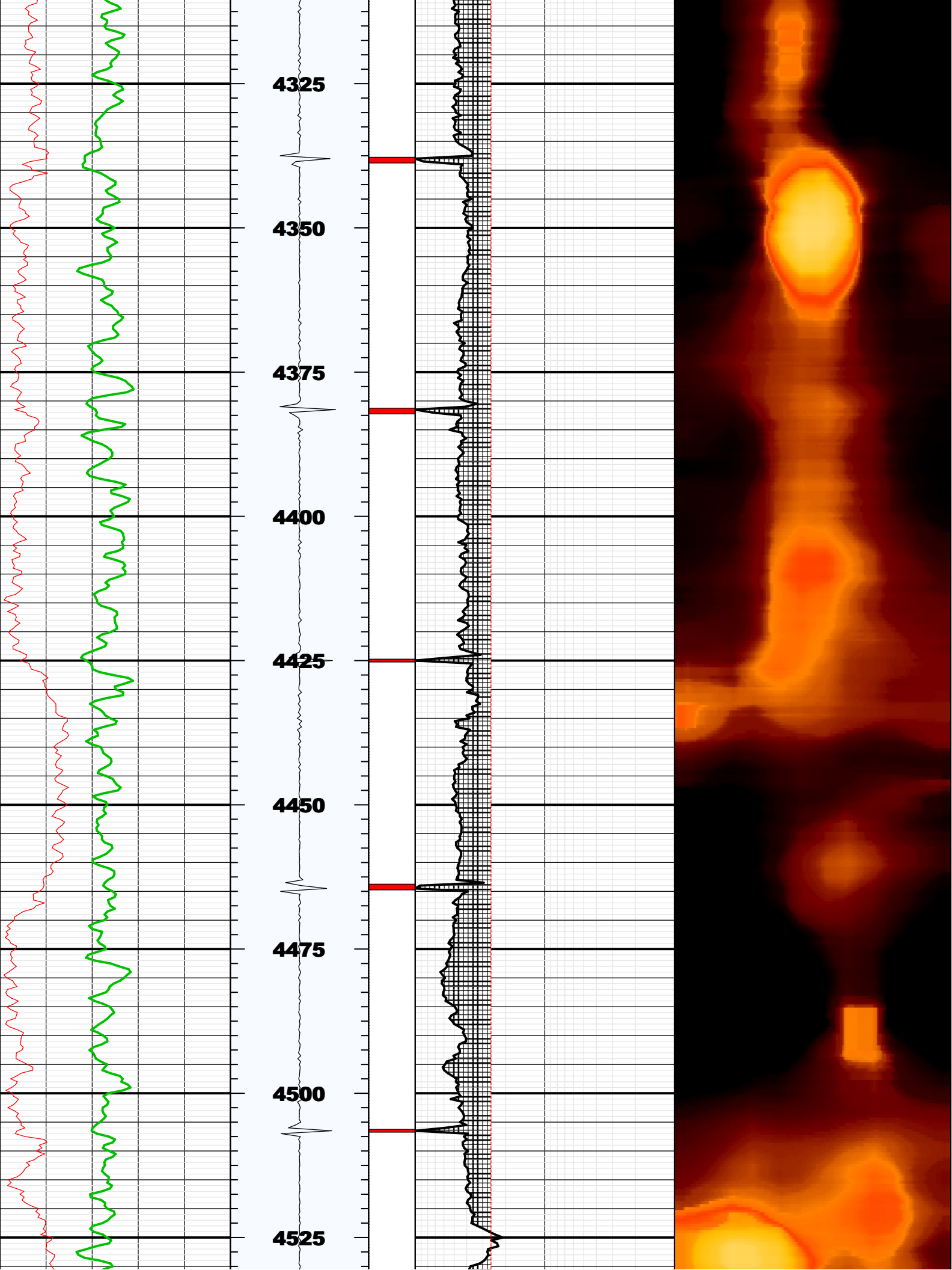


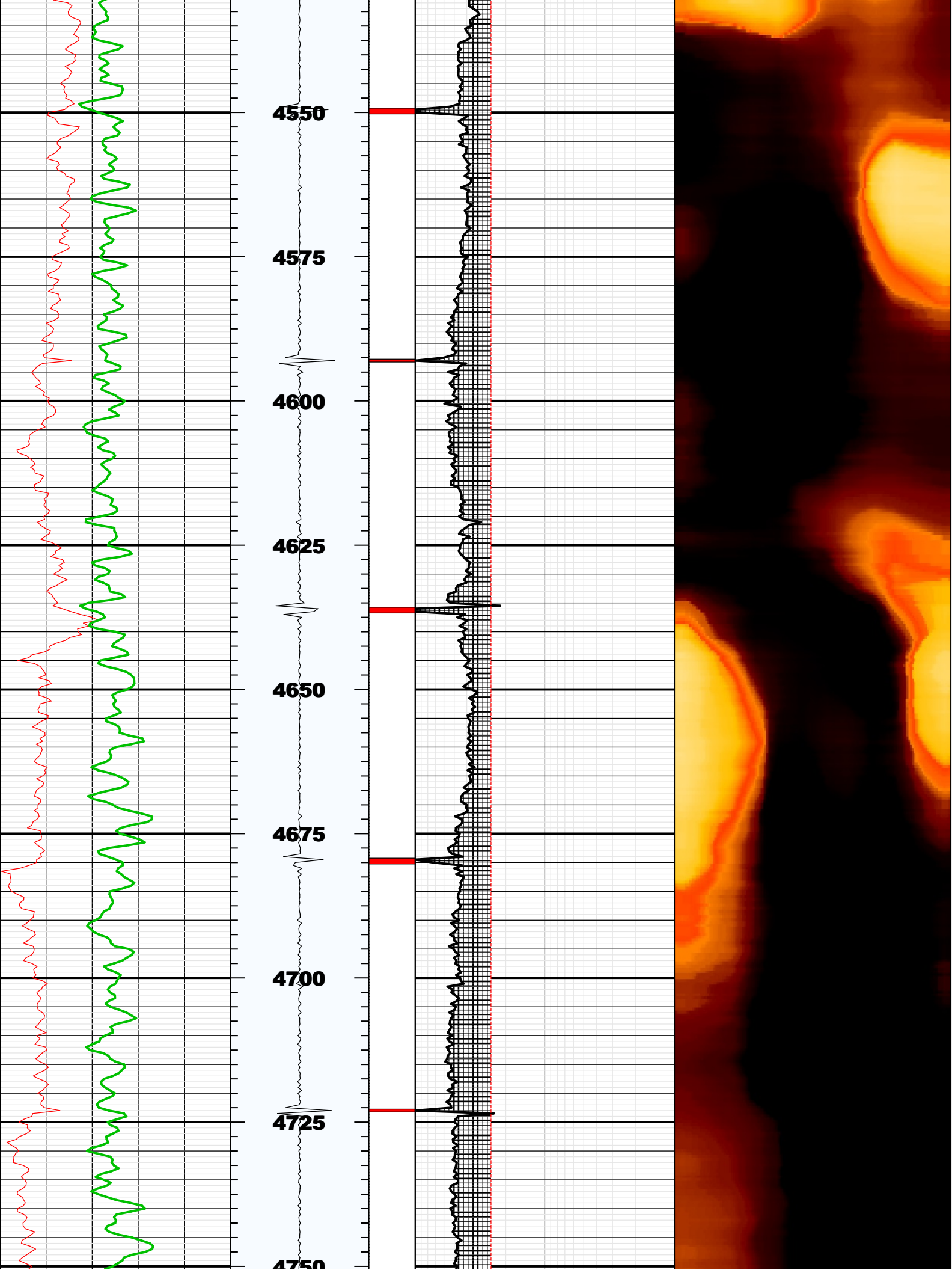




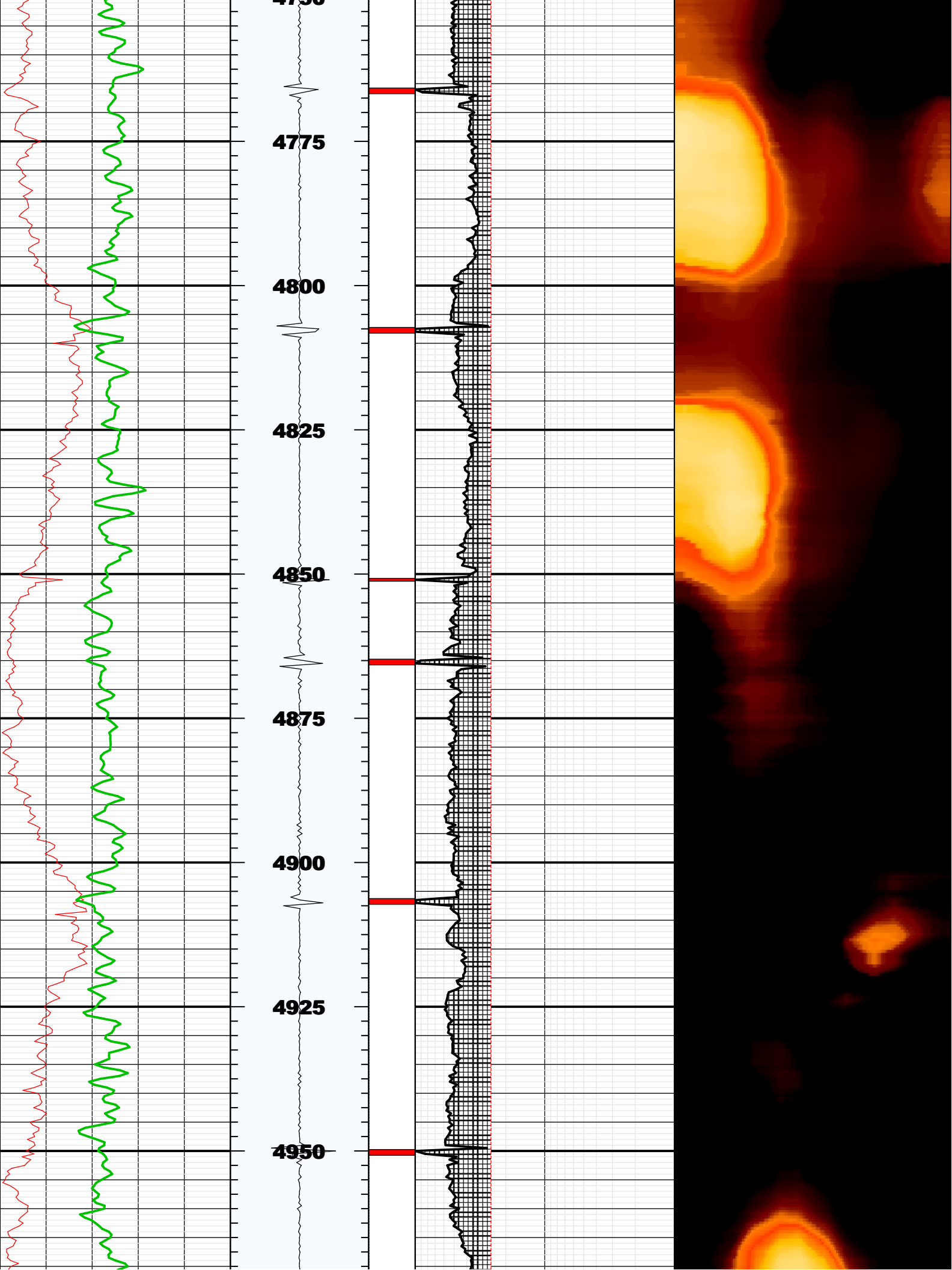


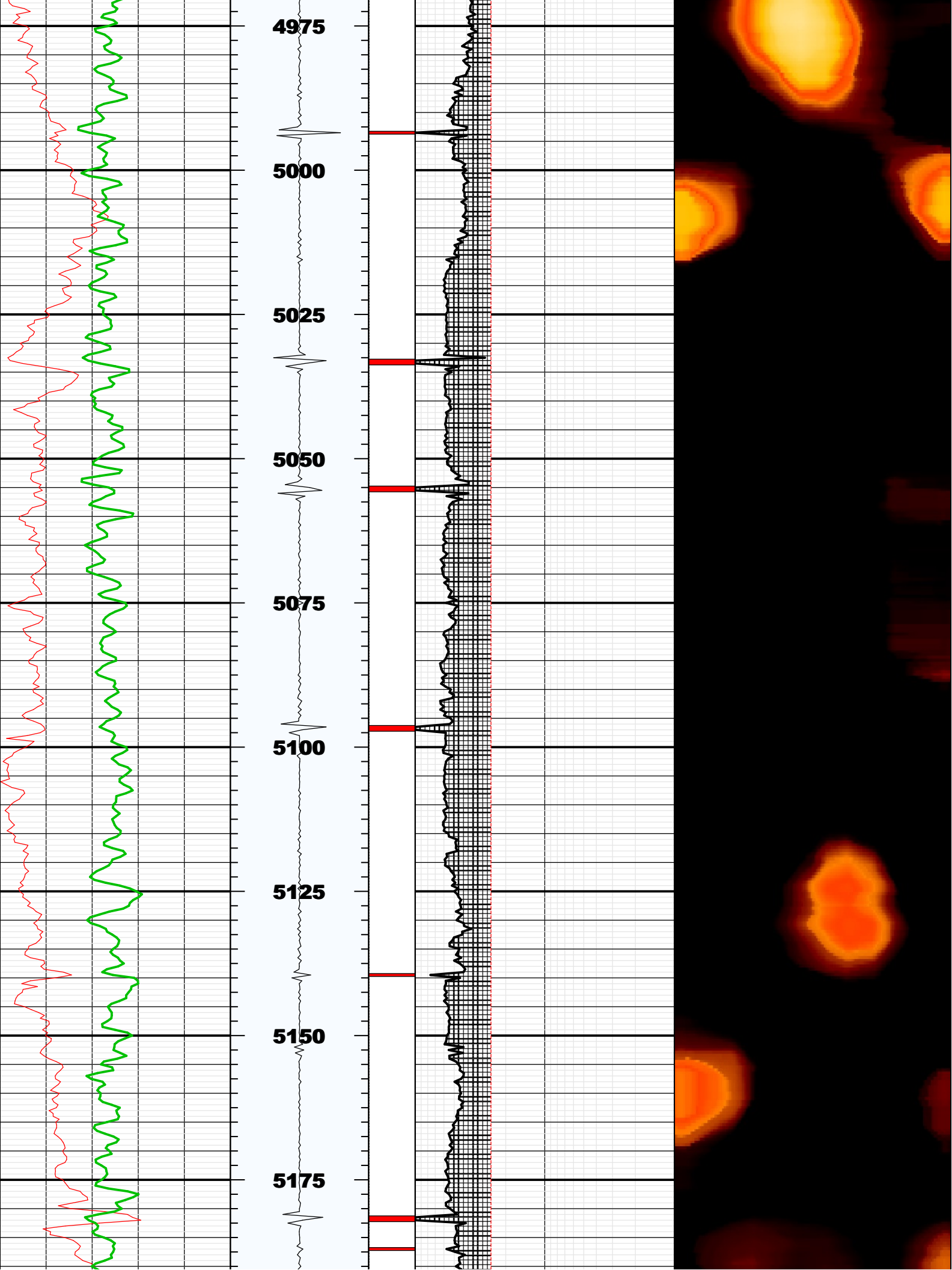


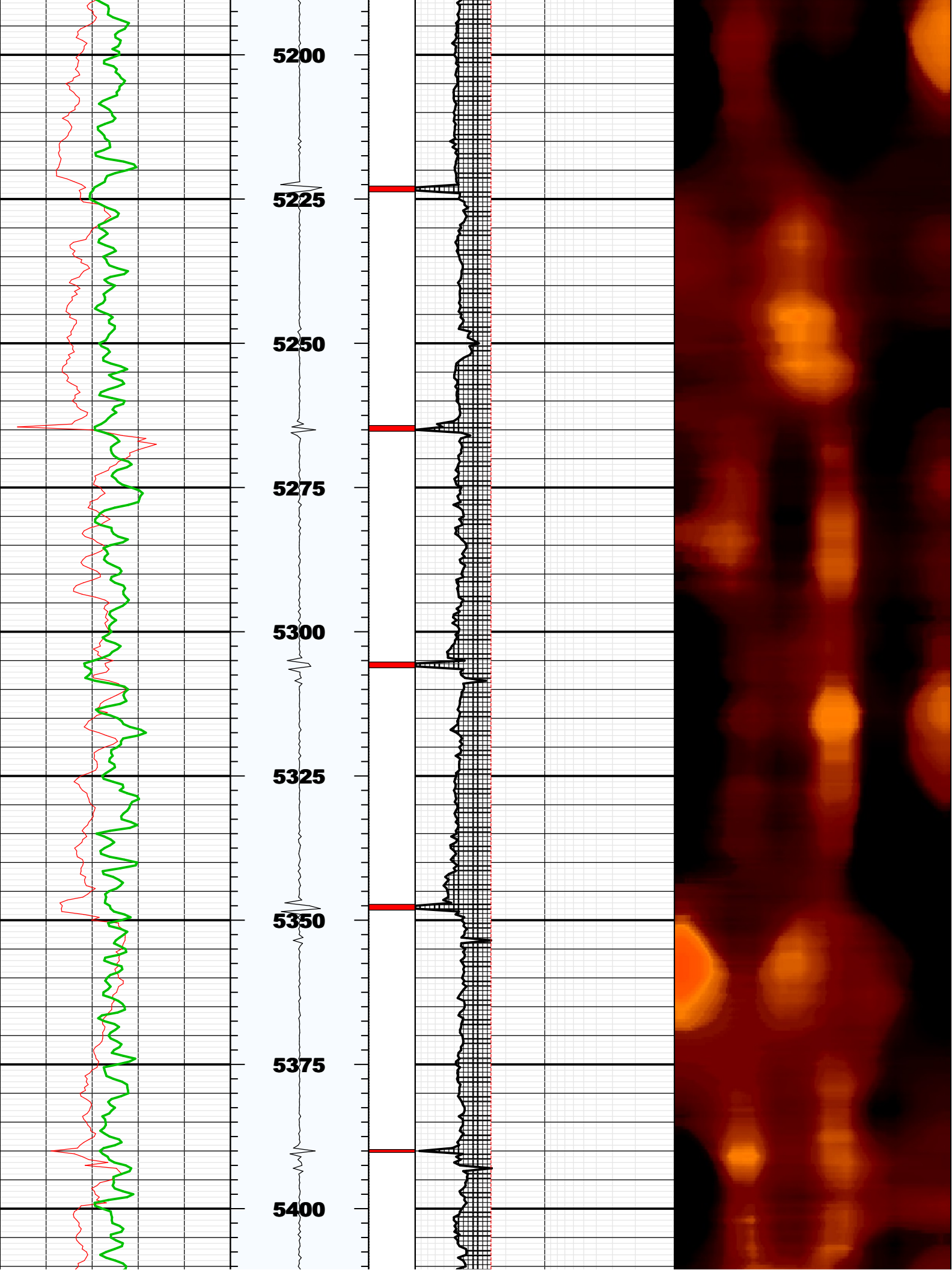


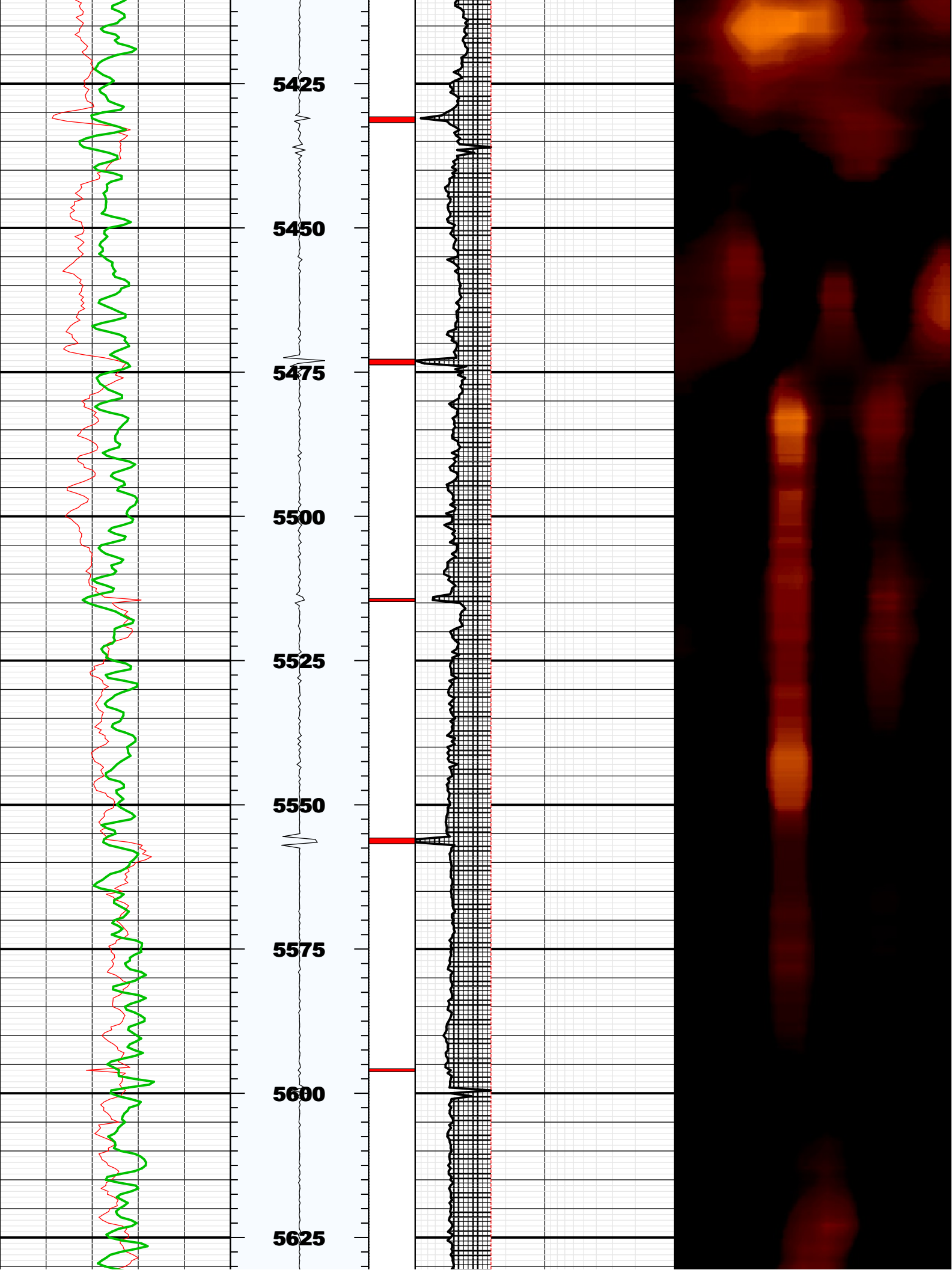


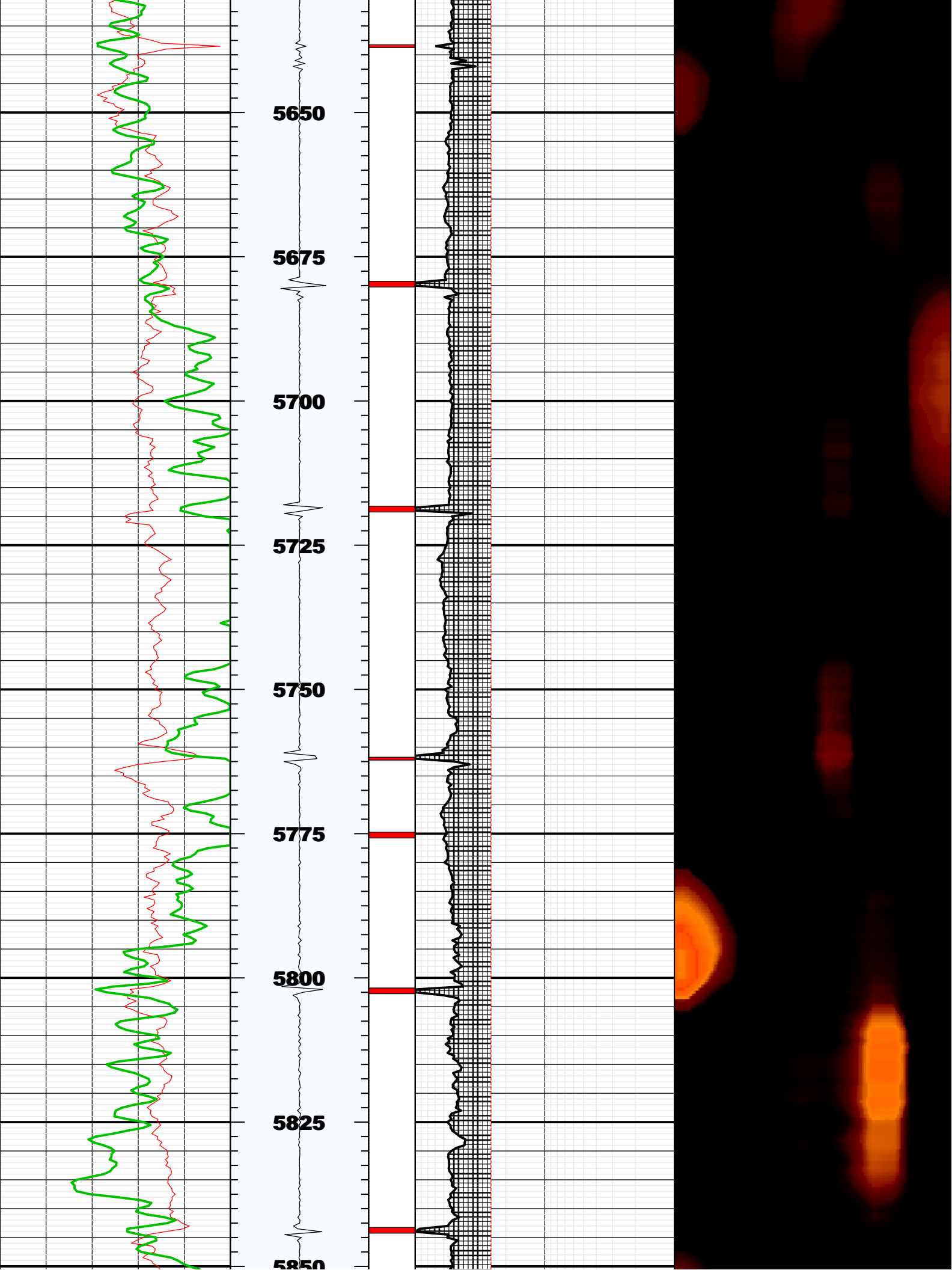




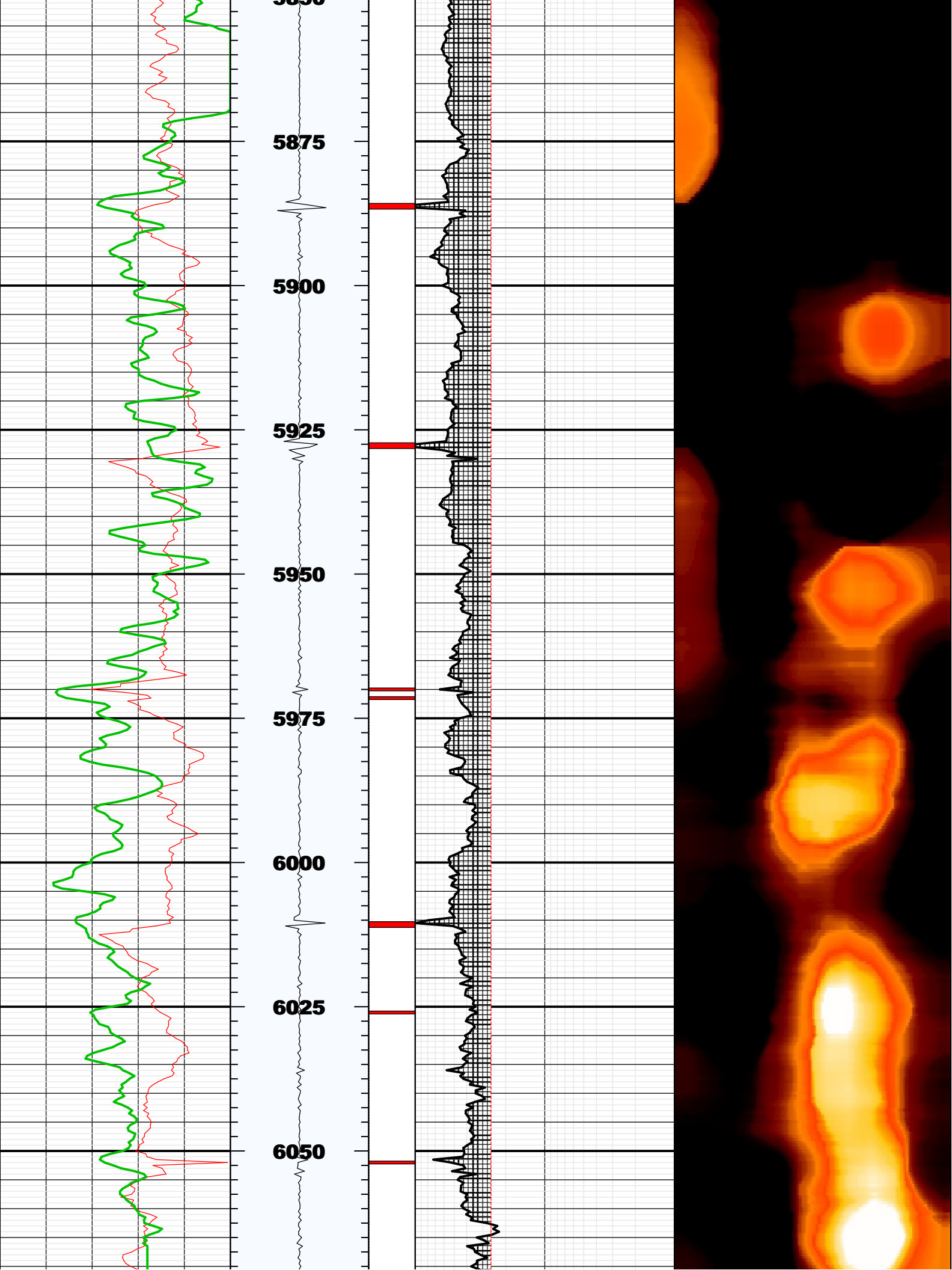


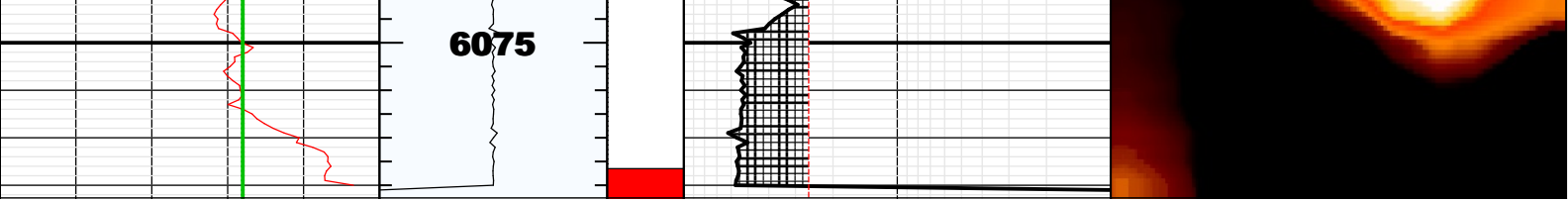










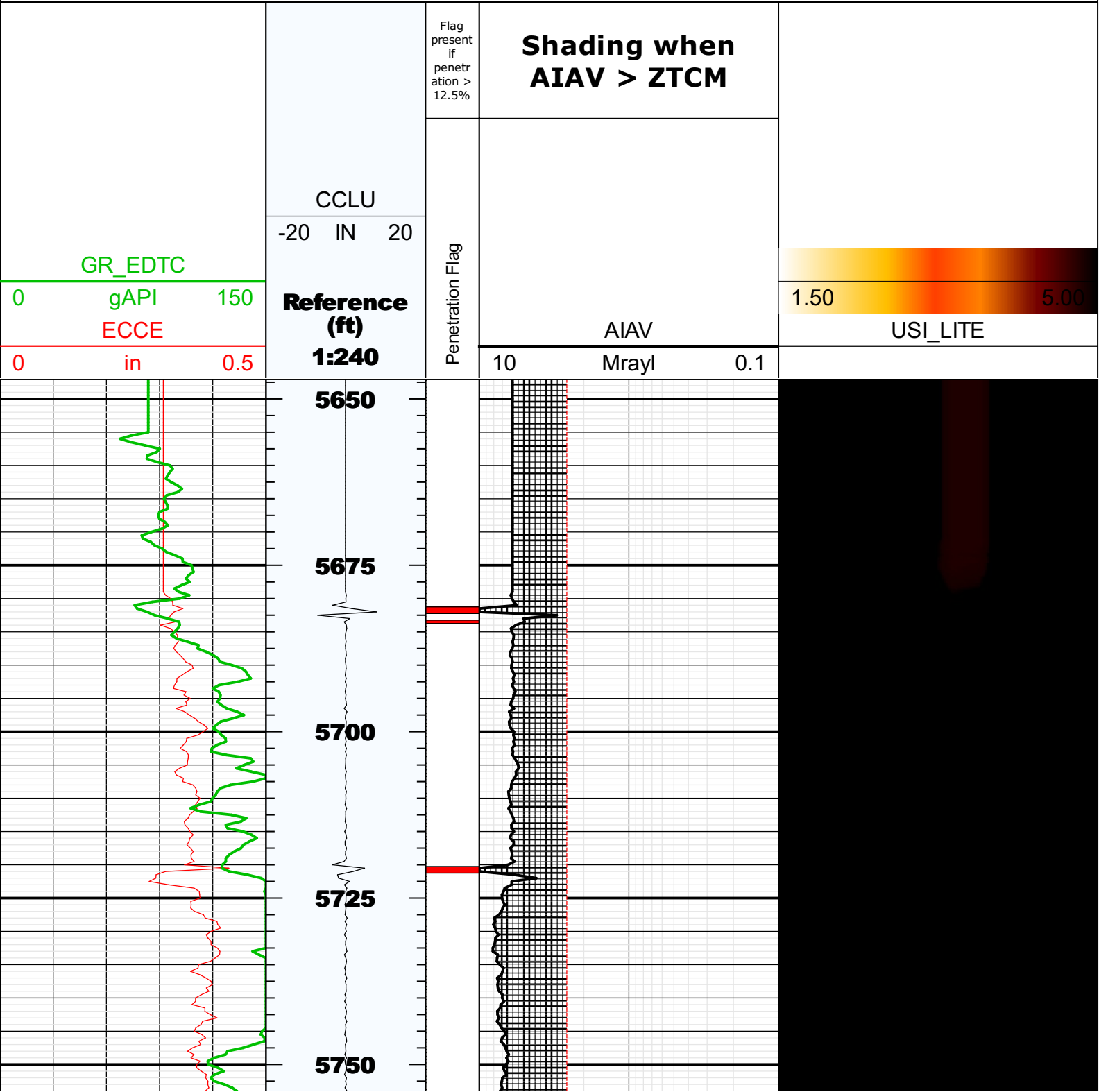


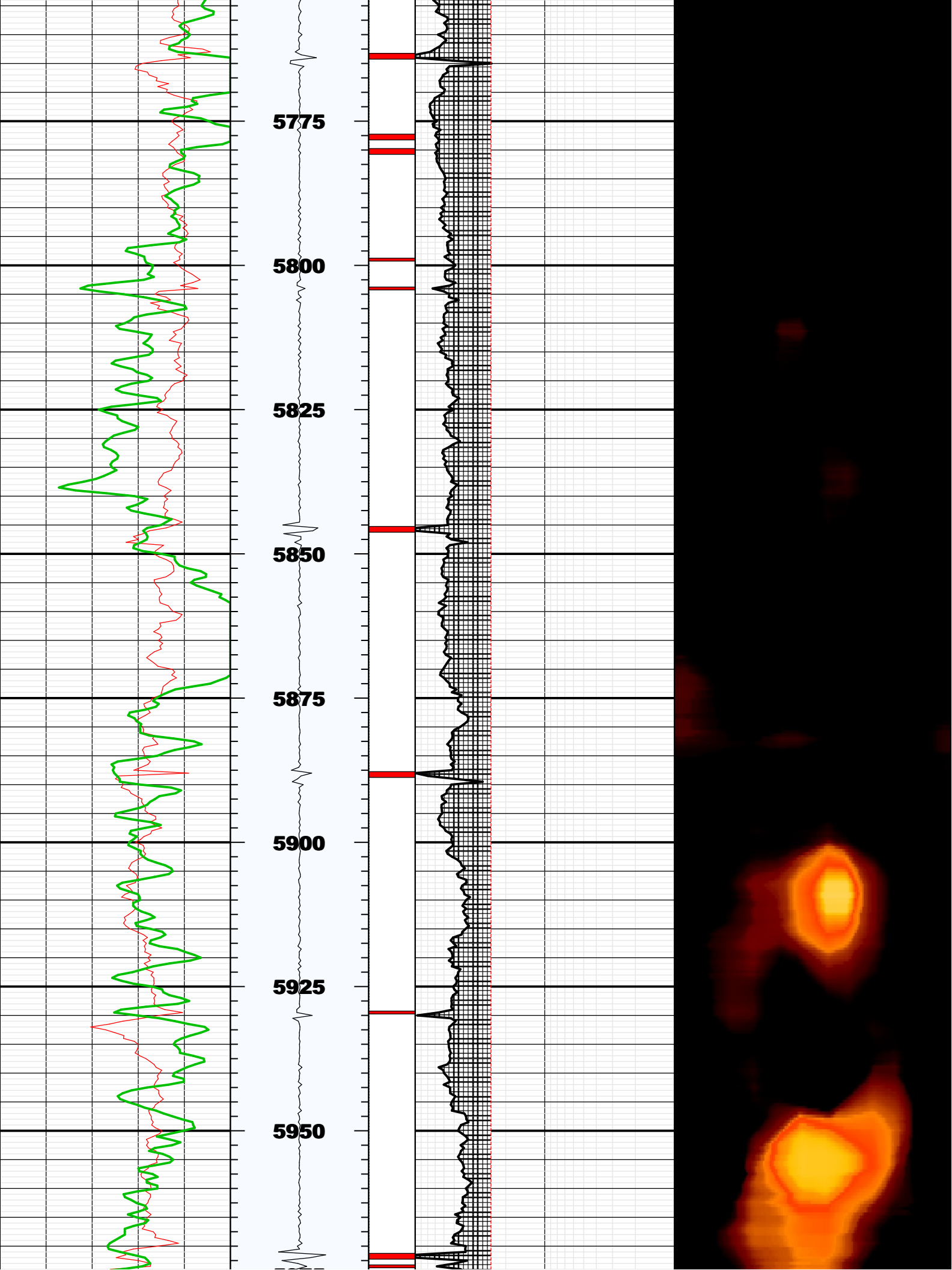
BS	8.75000	IN	Bit Size
CASG	P110		Casing Grade
CDIA	7.00000	IN	Casing Outer Diameter
CSID	6.27600	IN	Casing Inner Diameter
CSIZ	7.00000	IN	Current Casing Size
CWEI	26.00000	LB/F	Casing Weight
DFD	8.40000	LB/G	Drilling Fluid Density
DFVL	190.00000	US/F	Default Fluid Velocity
DO			
DOT	2.87400	IN	Diameter of Transducer Sensor
EMXV	50	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

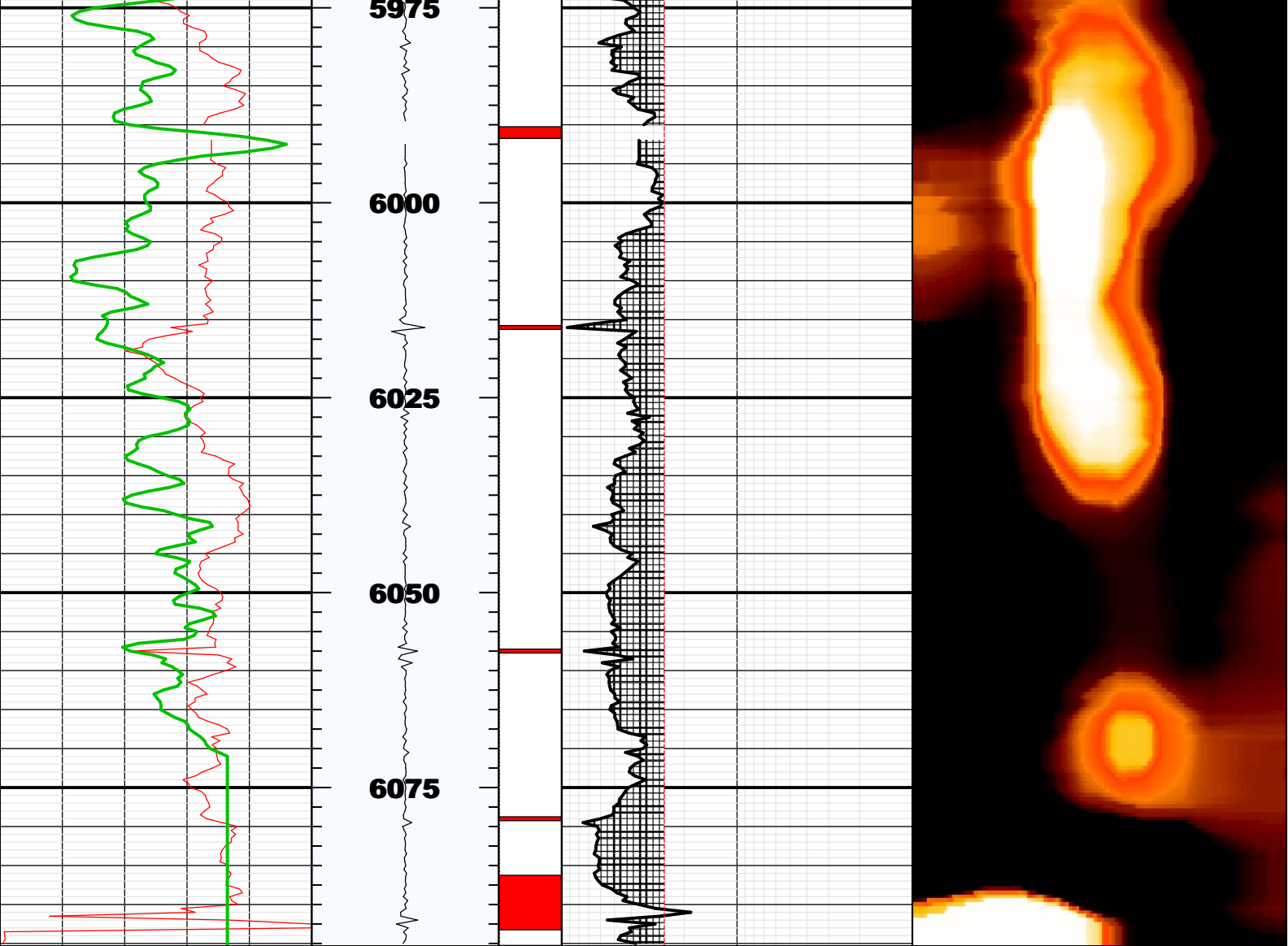


Repeat Pass

Company: Noble Energy Inc.  
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Field: Wildcat







## Fluid Properties Used for Main Pass

