

Company: Noble Energy Inc

Well: Rohn State LD10-62HN  
Field: Wildcat  
County: Weld State: Colorado

County: Weld		<b>USI-LITE (2500 psi)</b>					
Field: Wildcat							
Location: SESE Sec.9 T9N R59W							
Well: Rohn State LD10-62HN							
Company: Noble Energy Inc							
LOCATION		Permanent Datum: Log Measured From: Drilling Measured From:	GL KB KB	Elev: K.B. 4743.0 F G.L. 4719.0 F D.F. 4742.0 F			
API Serial No. 05-123-37624-0000					Section 9	Township 9N	Range 58W
Logging Date 06-Nov-2014							
Run Number Run 1 USIT							
Depth Driller 5990.0 F							
Schlumberger Depth 5822.0 F							
Bottom Log Interval 5822.0 F							
Top Log Interval -999.2 F							
Casing Fluid Level 8.0 F							
Salinity							
Density 8.40 LB/G							
Fluid Level 8.0 F							
BIT/CASING/TUBING STRING							
Bit Size 8.750 IN							
From 5822.0 F							
To -999.2 F							
Casing Size 7.00 IN							
Weight 26.00 LB/F							
Grade P110							
From 0.0 F							
To 5985.4 F							
Max Recorded Temp 225.0							
Logger on bottom (date) 06-Nov-2014							
Location Ft. Morgan							
Recorded By Danielle Maniere							
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: 1919 Calibration Date: Calibrator Serial Number: Number Of Calibration Points: Calibration RMS: Calibration Peak Error:	Serial Number: U711057 Length: 18000.00000

DISCLAIMER

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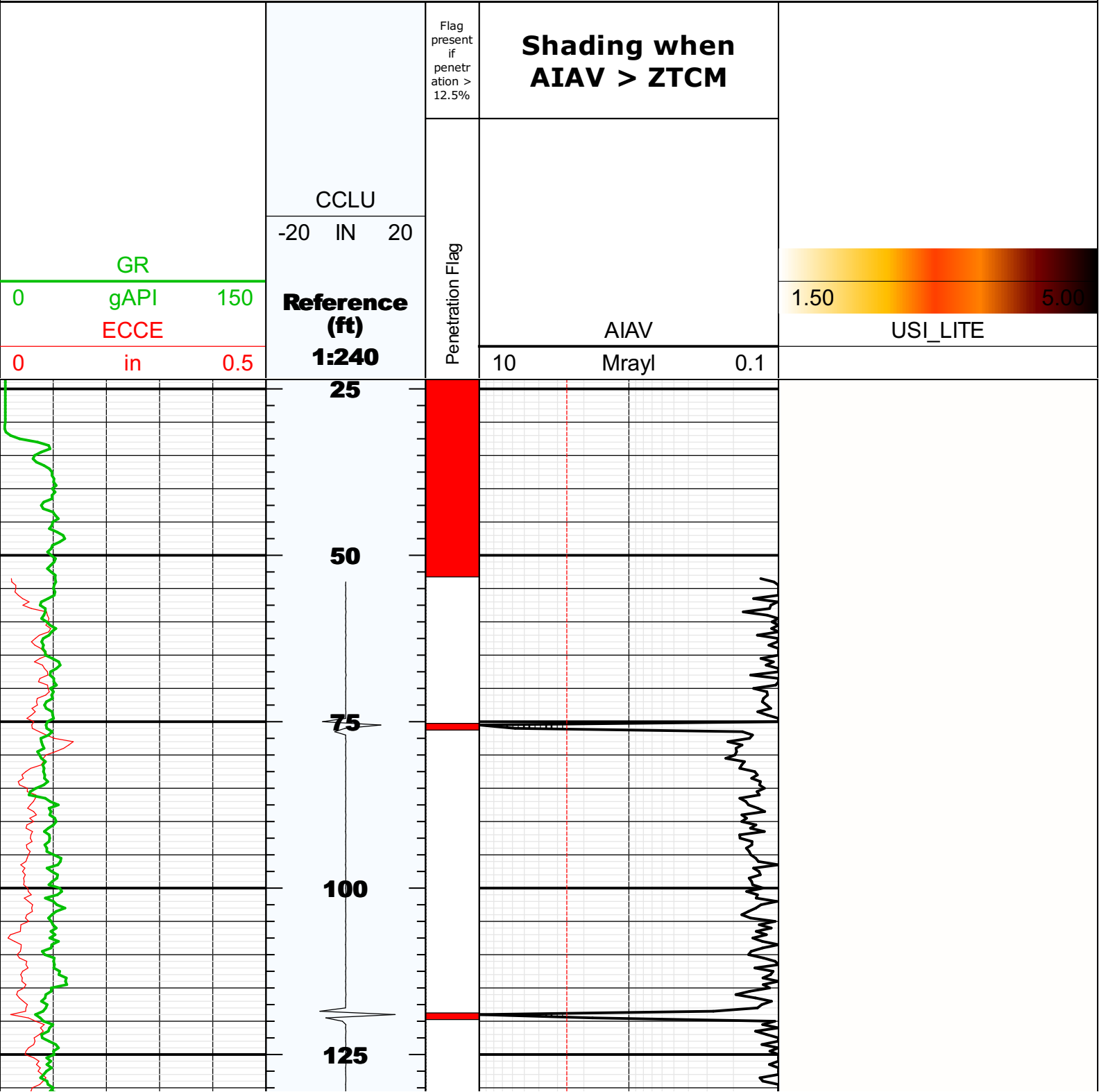
13.6ppg single slurry cement  
2500psi main pass from 20ft above top of liner to surface  
0psi repeat pass

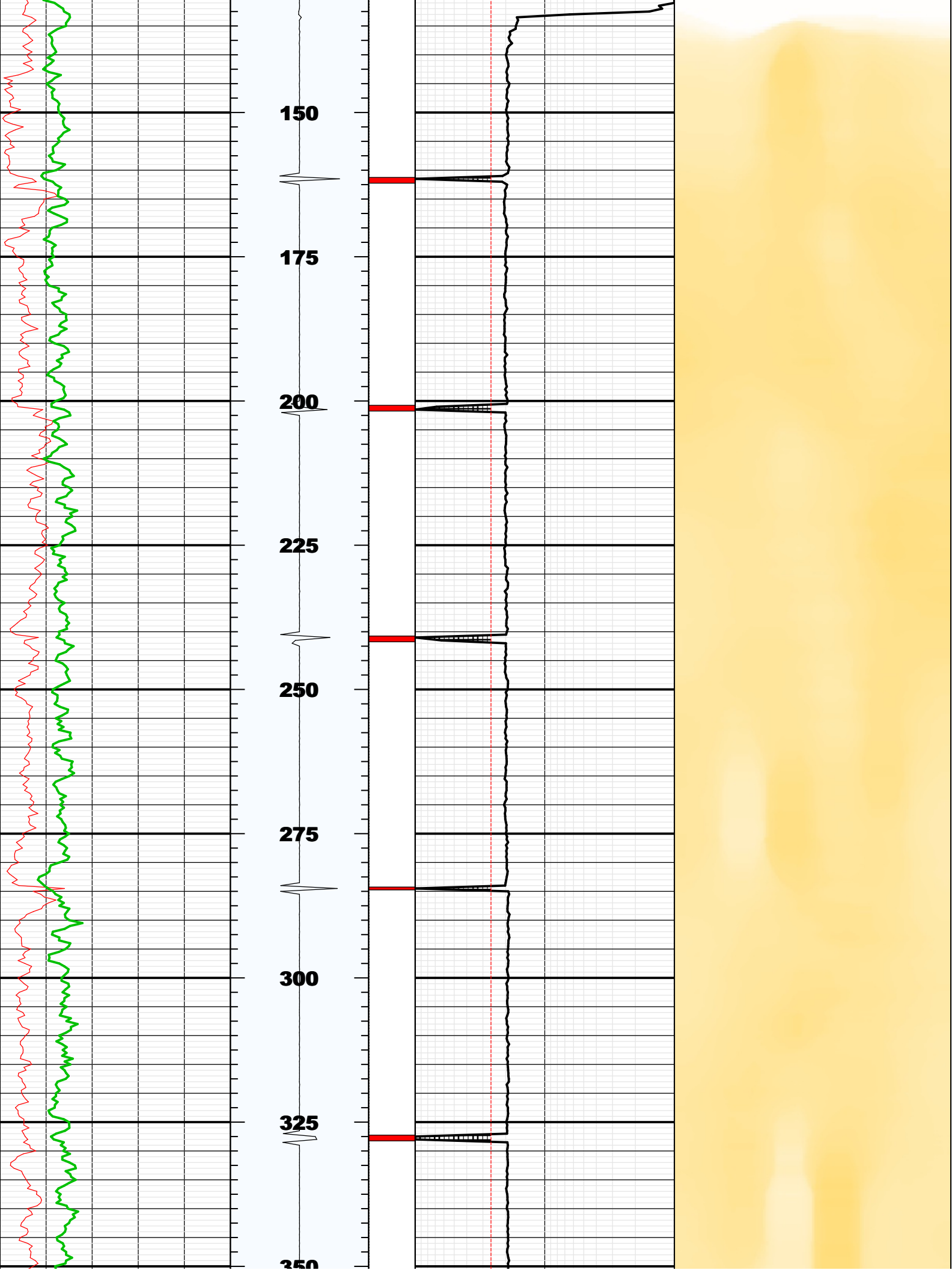
Top of liner at 5842ft

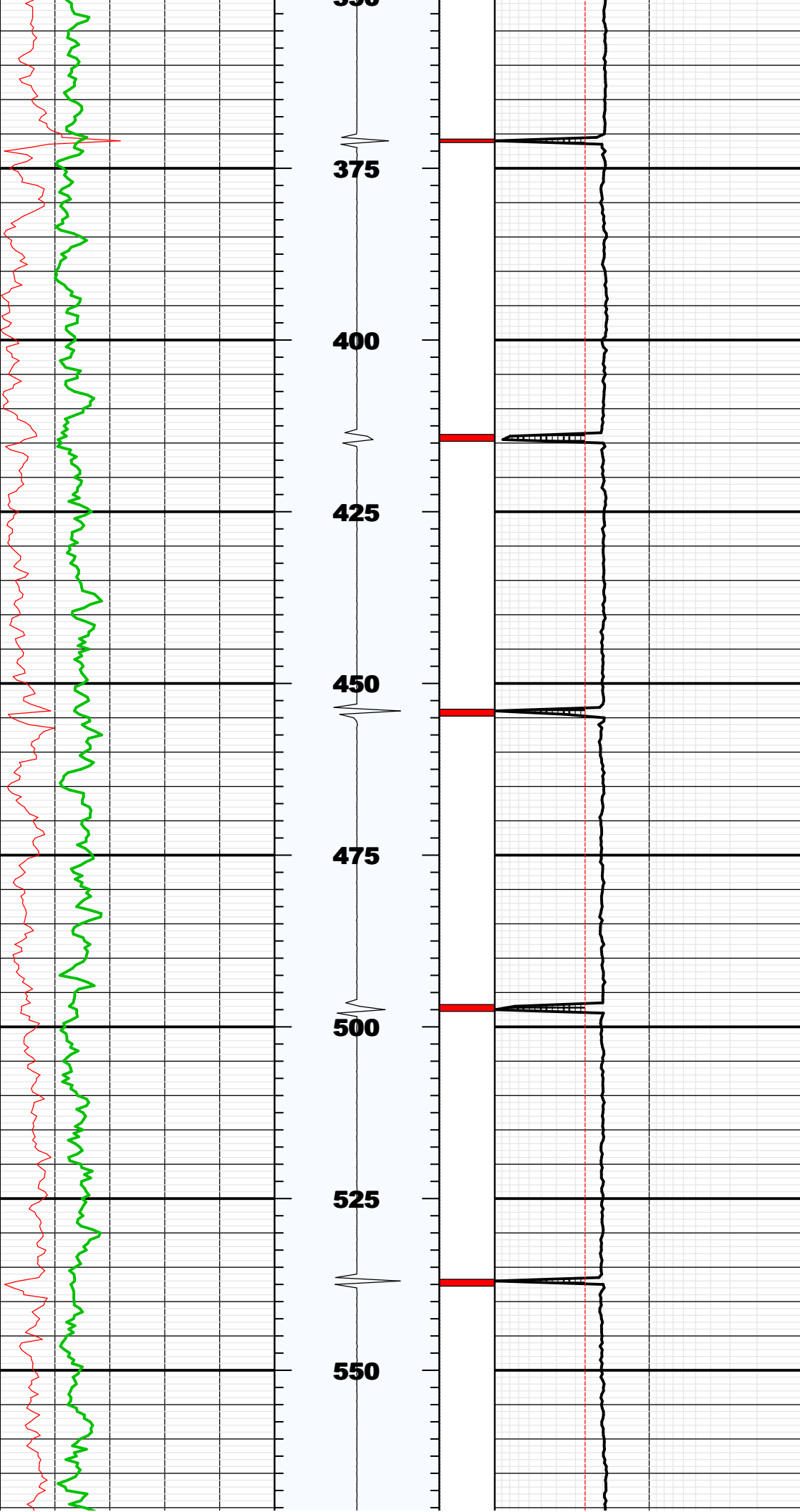
Bottom hole temperature measured at depth = 225degF  
Top of cement 810ft

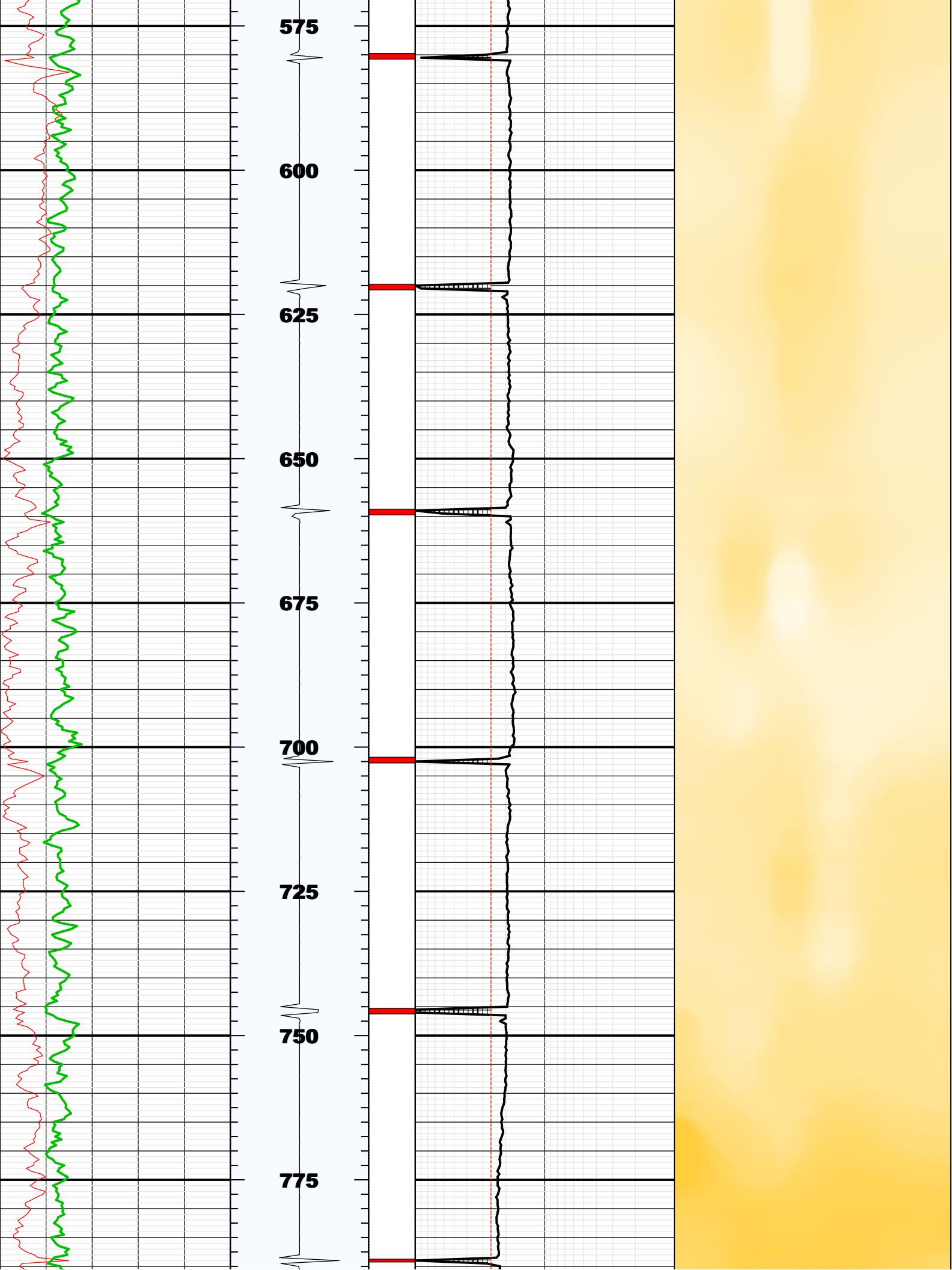
Main Pass

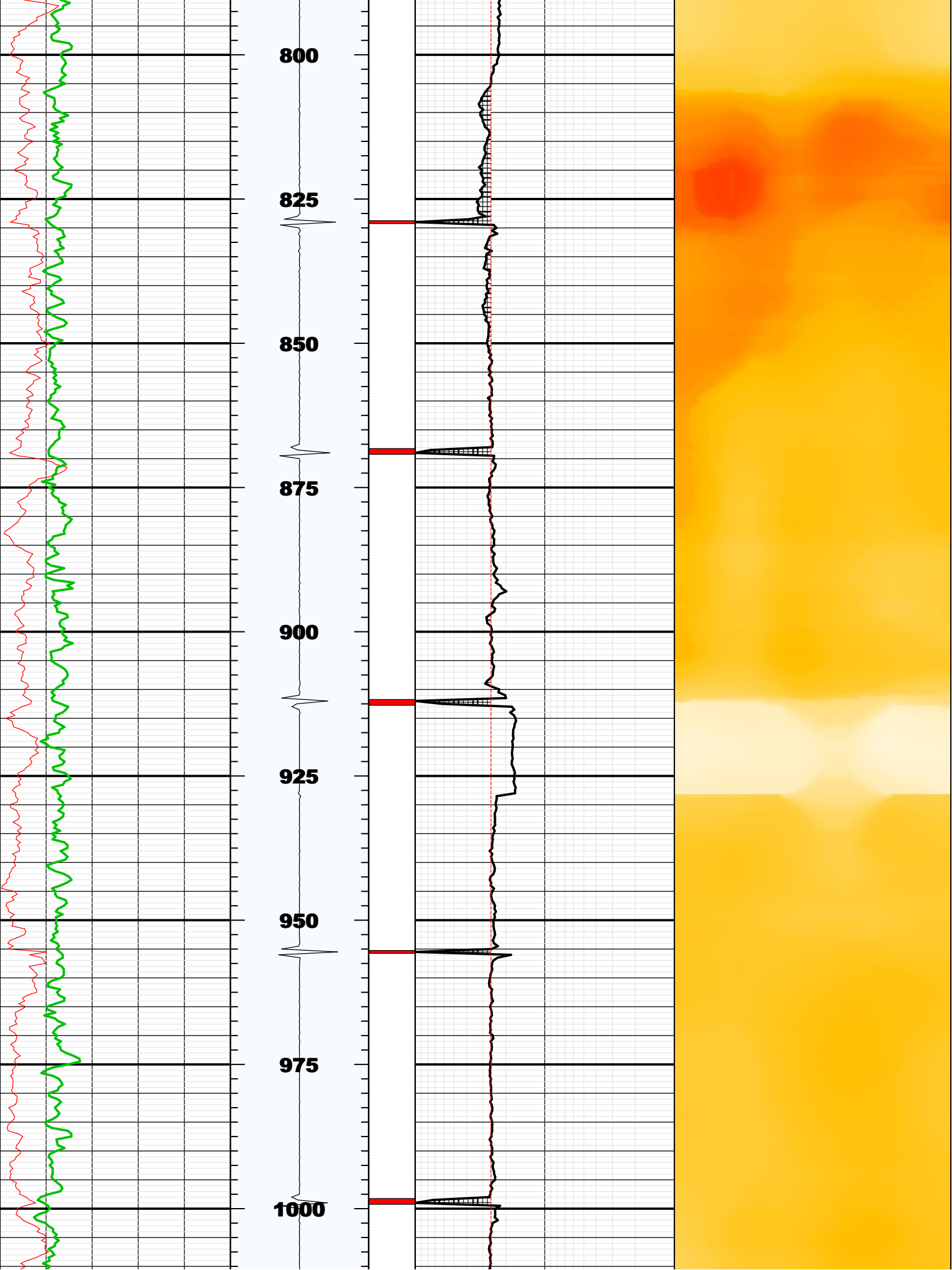
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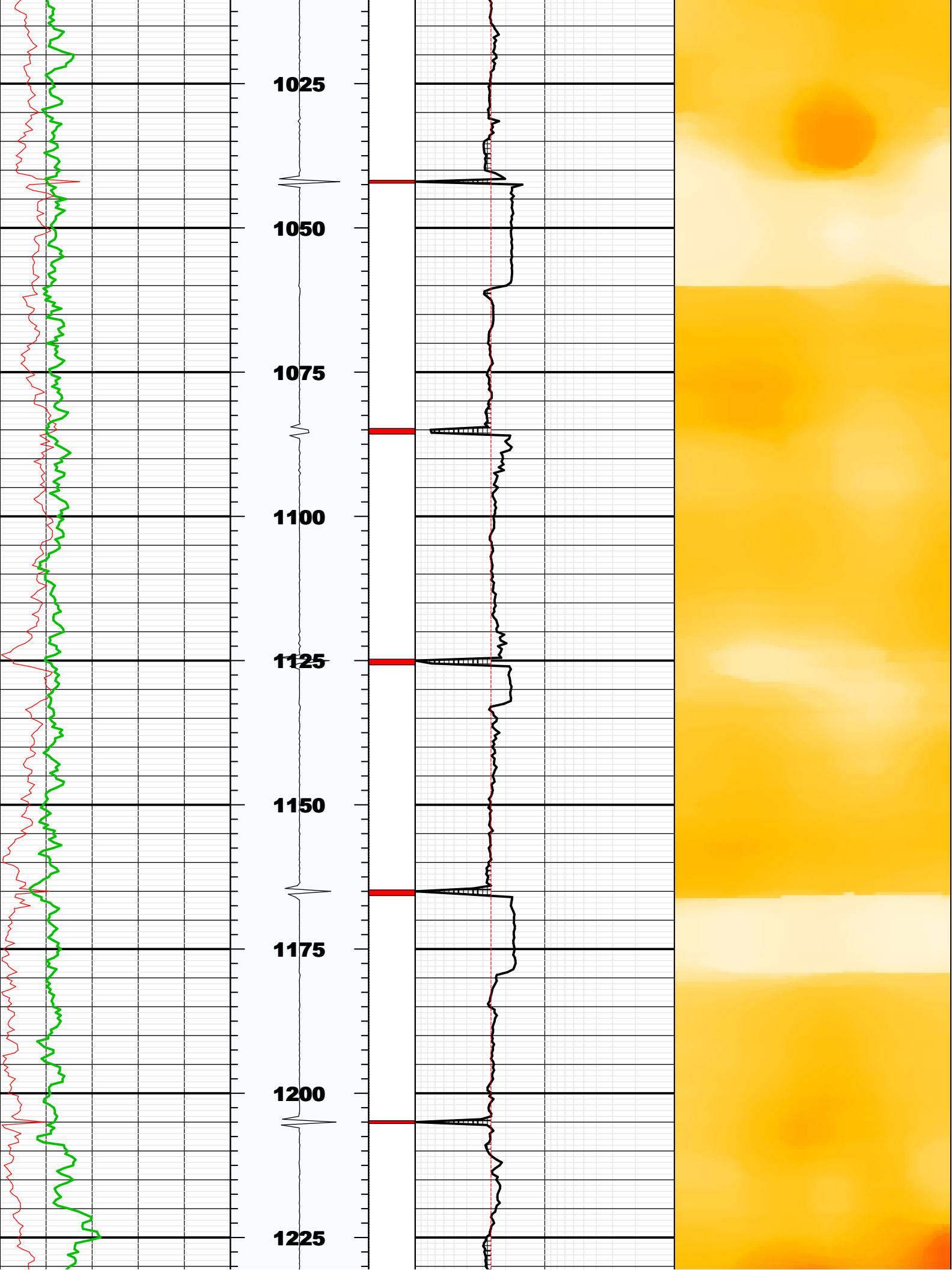




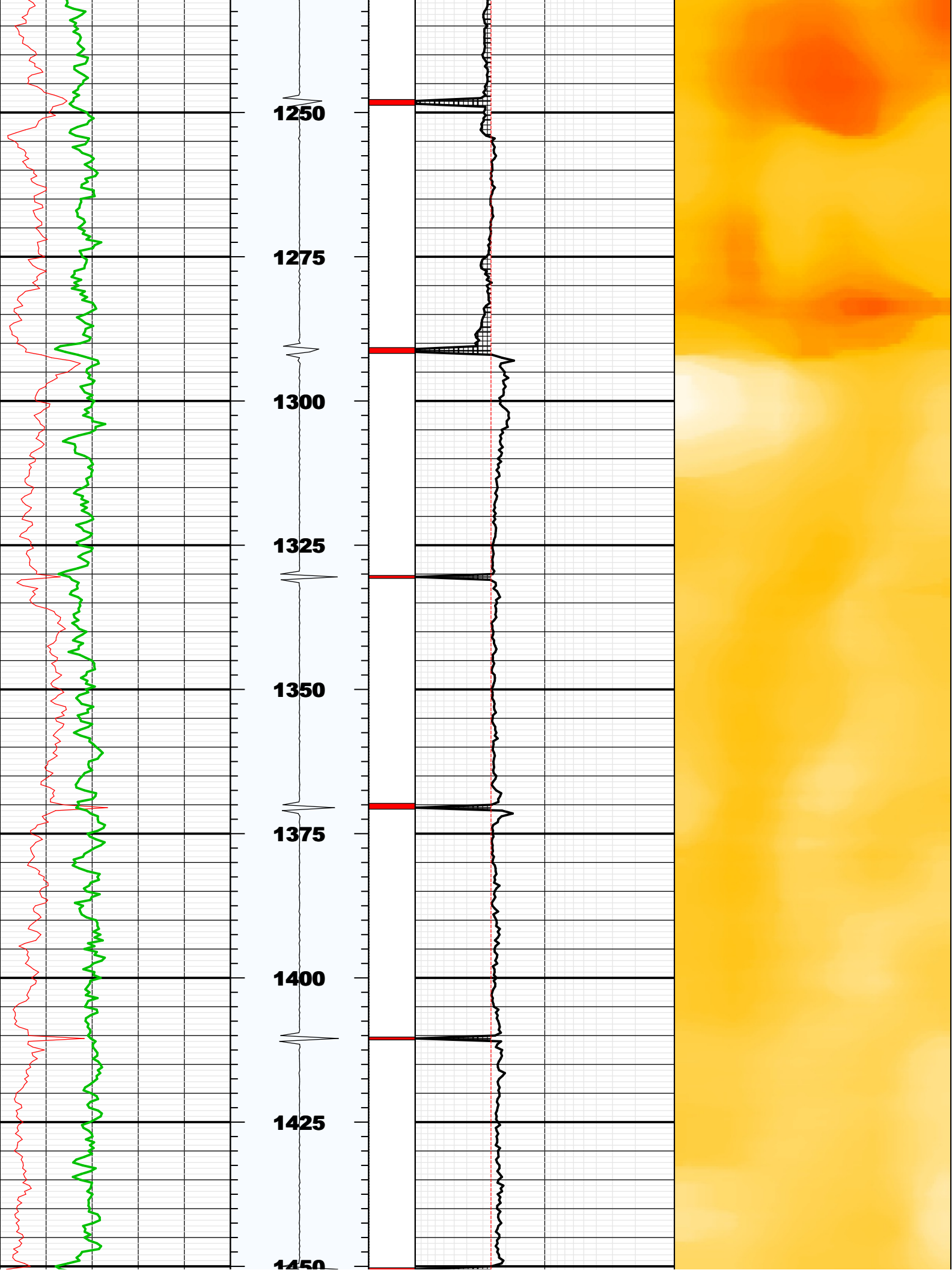


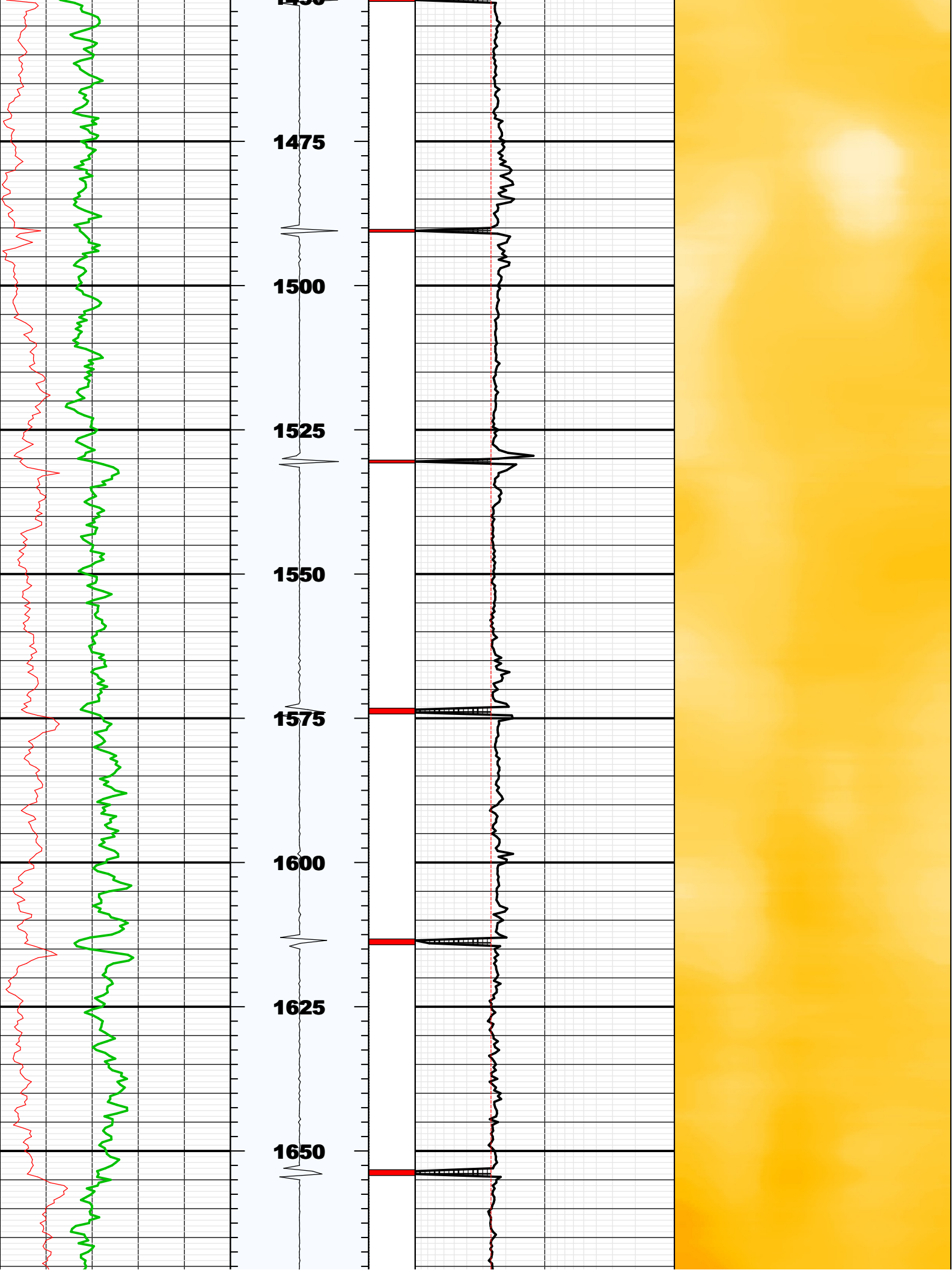


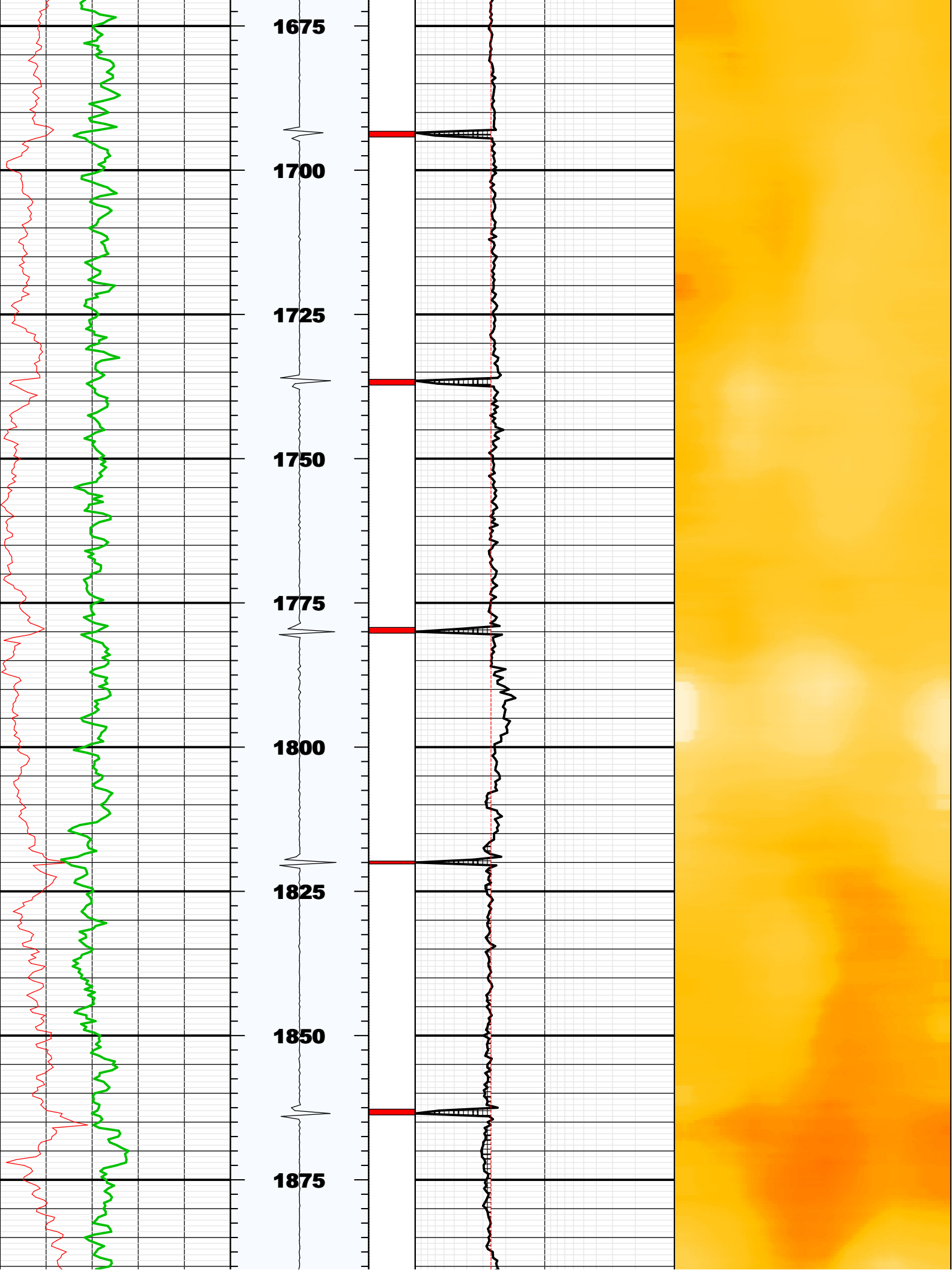


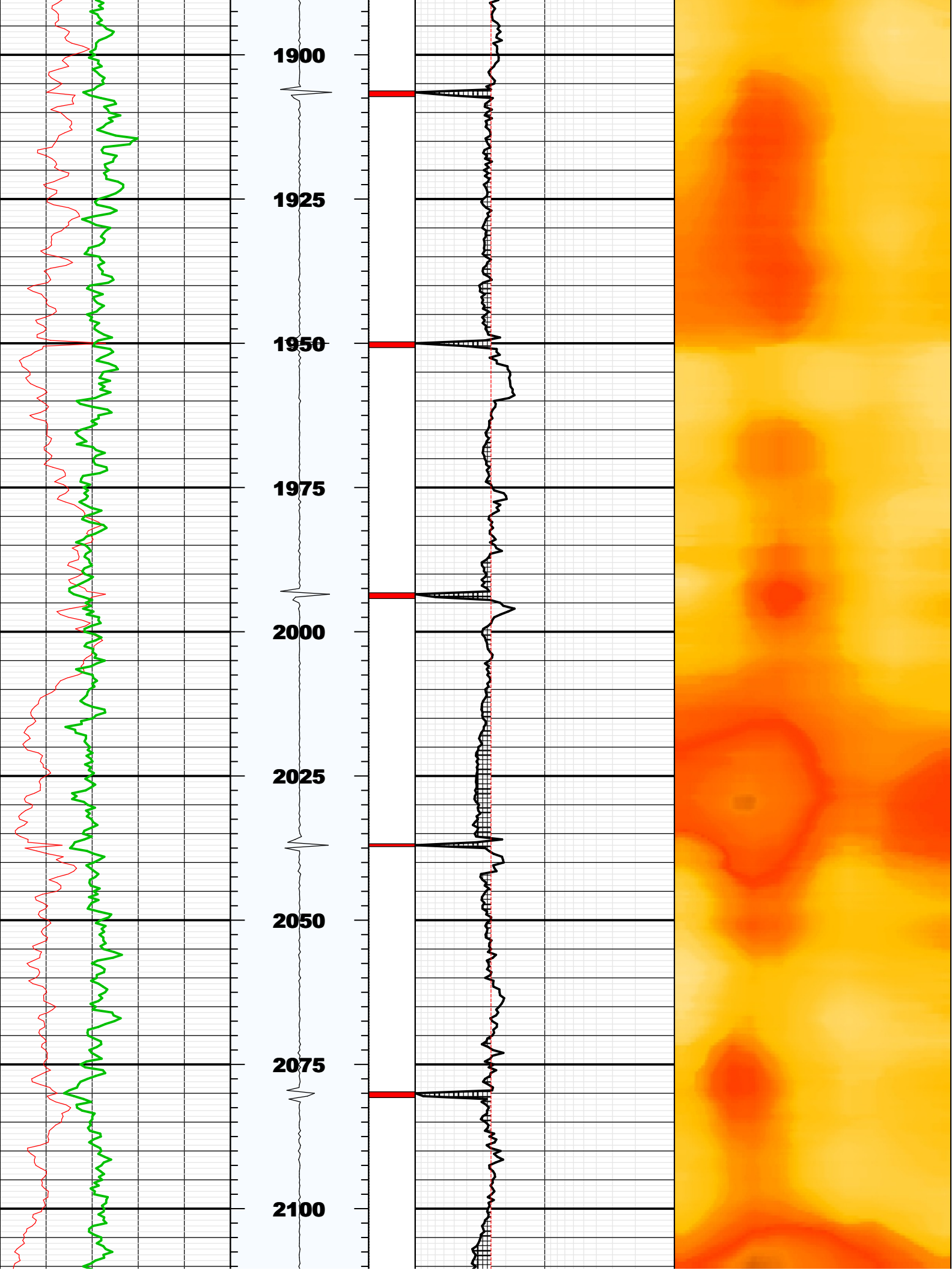


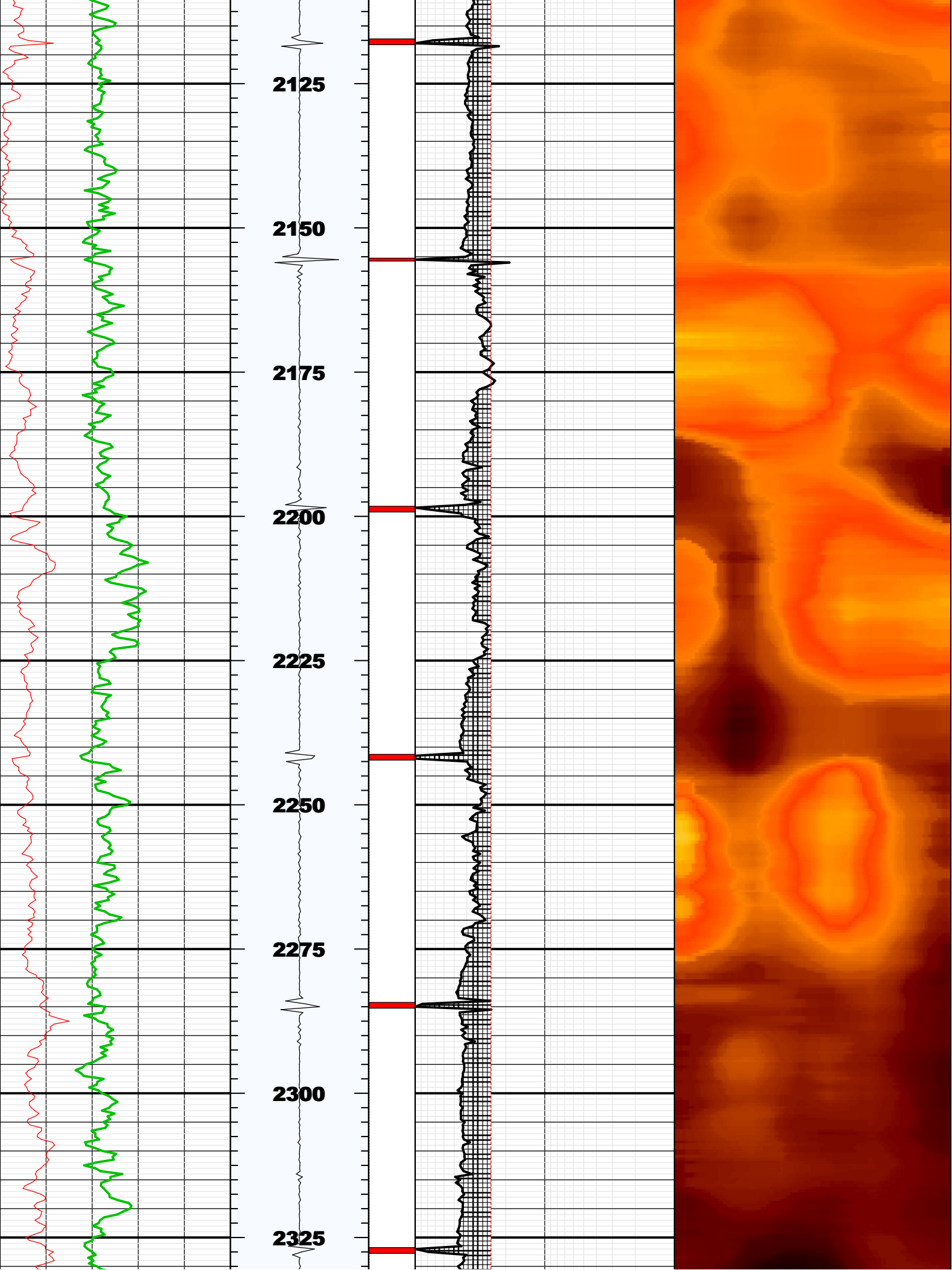




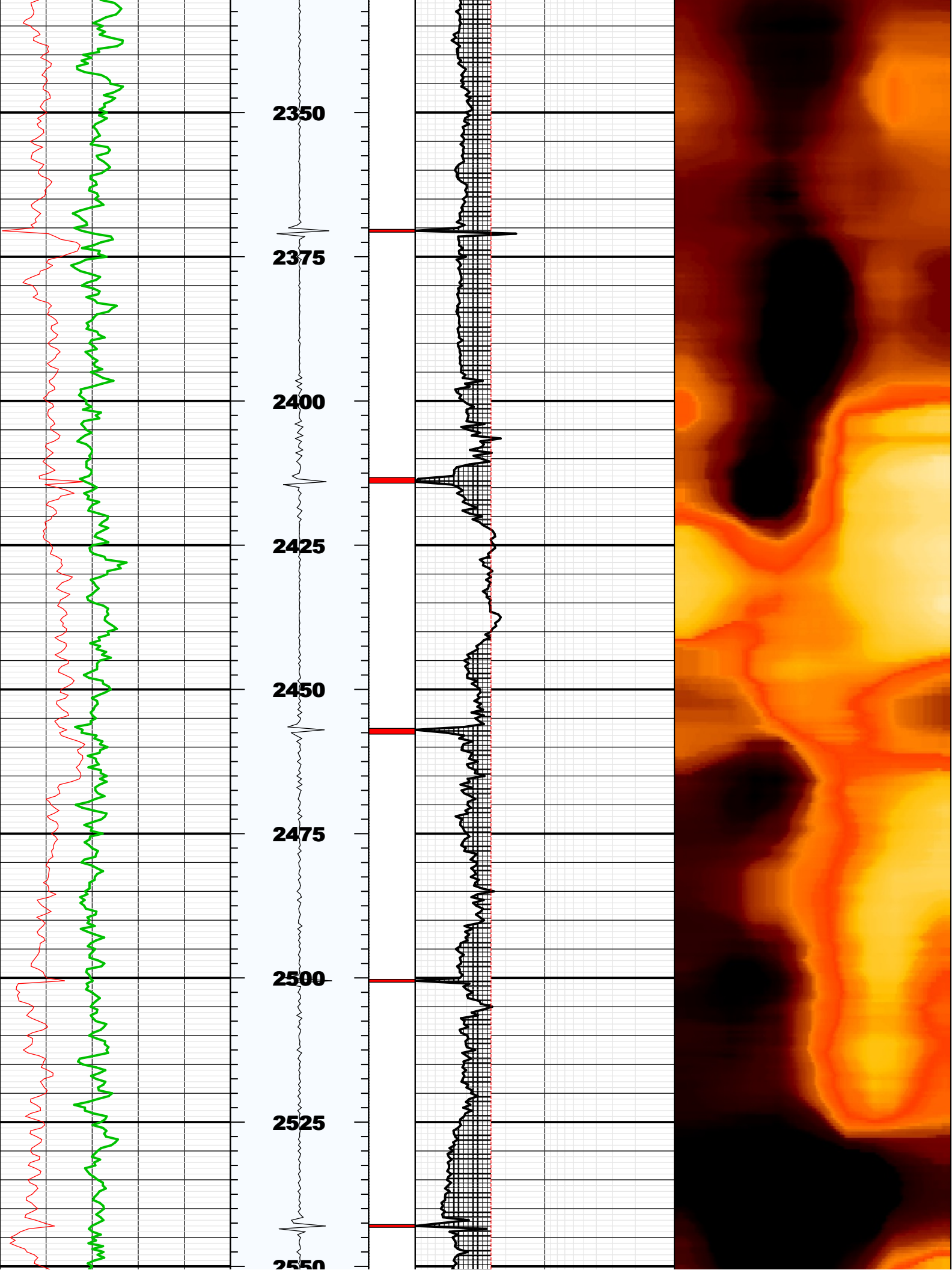


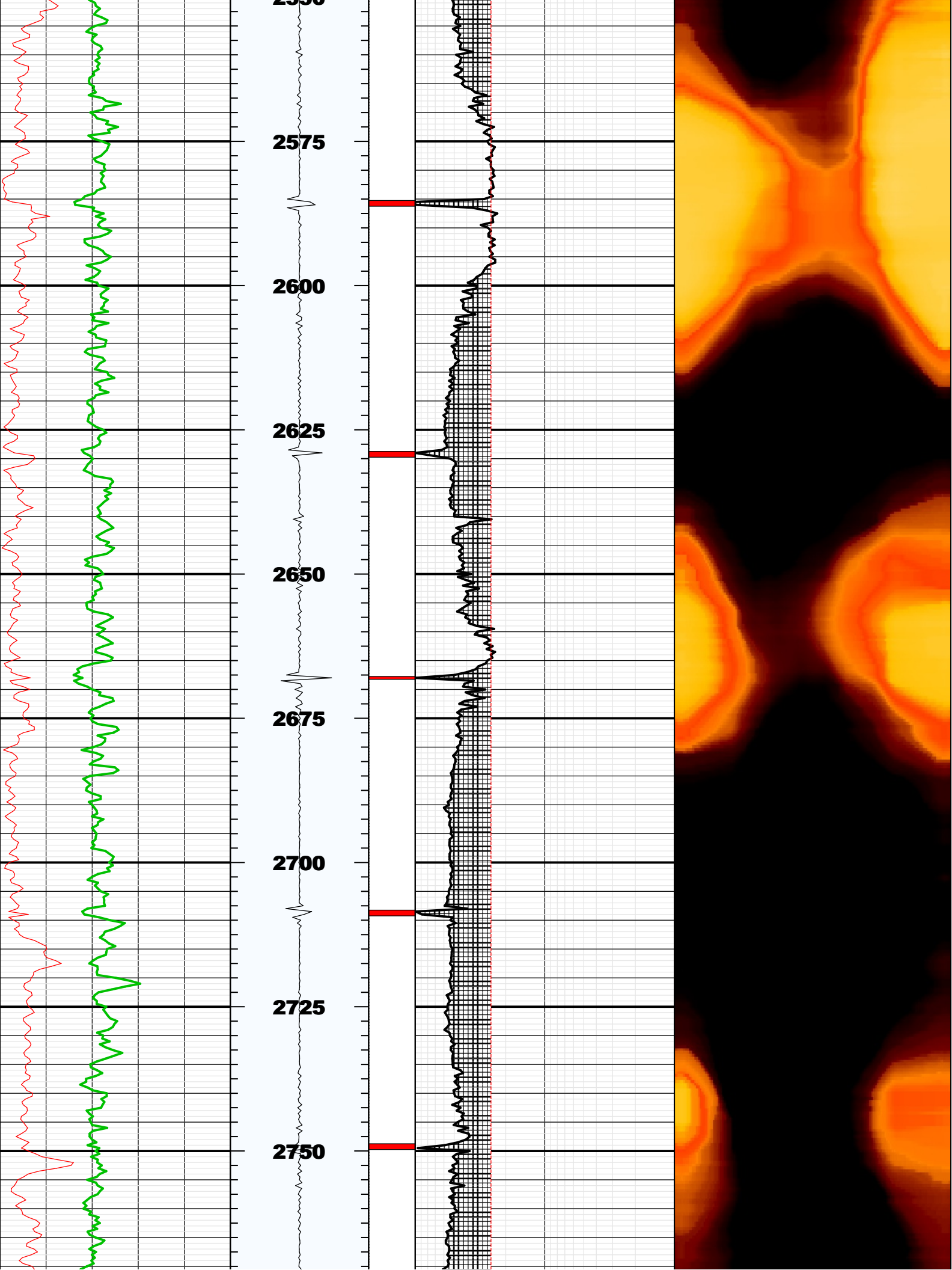


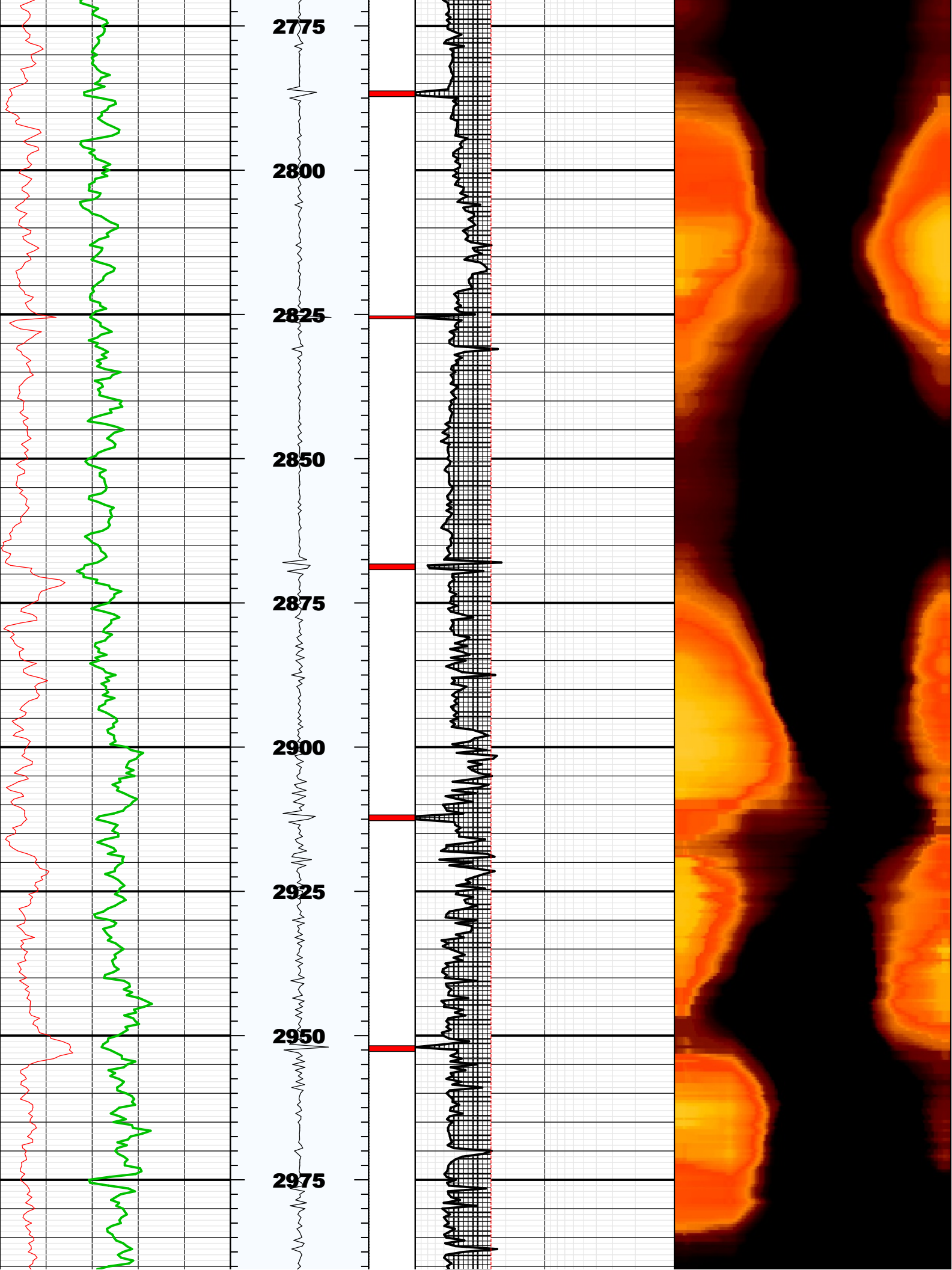




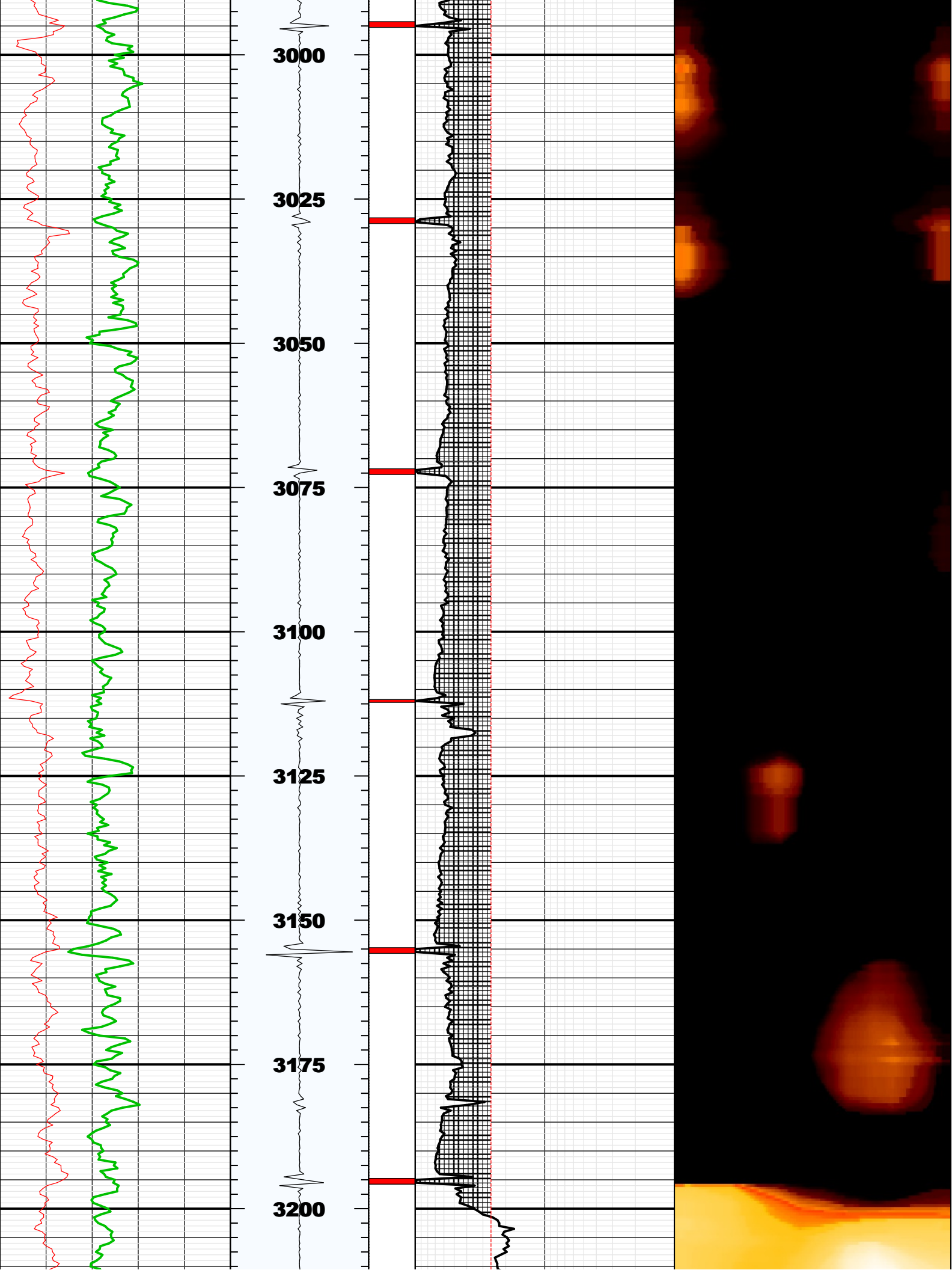


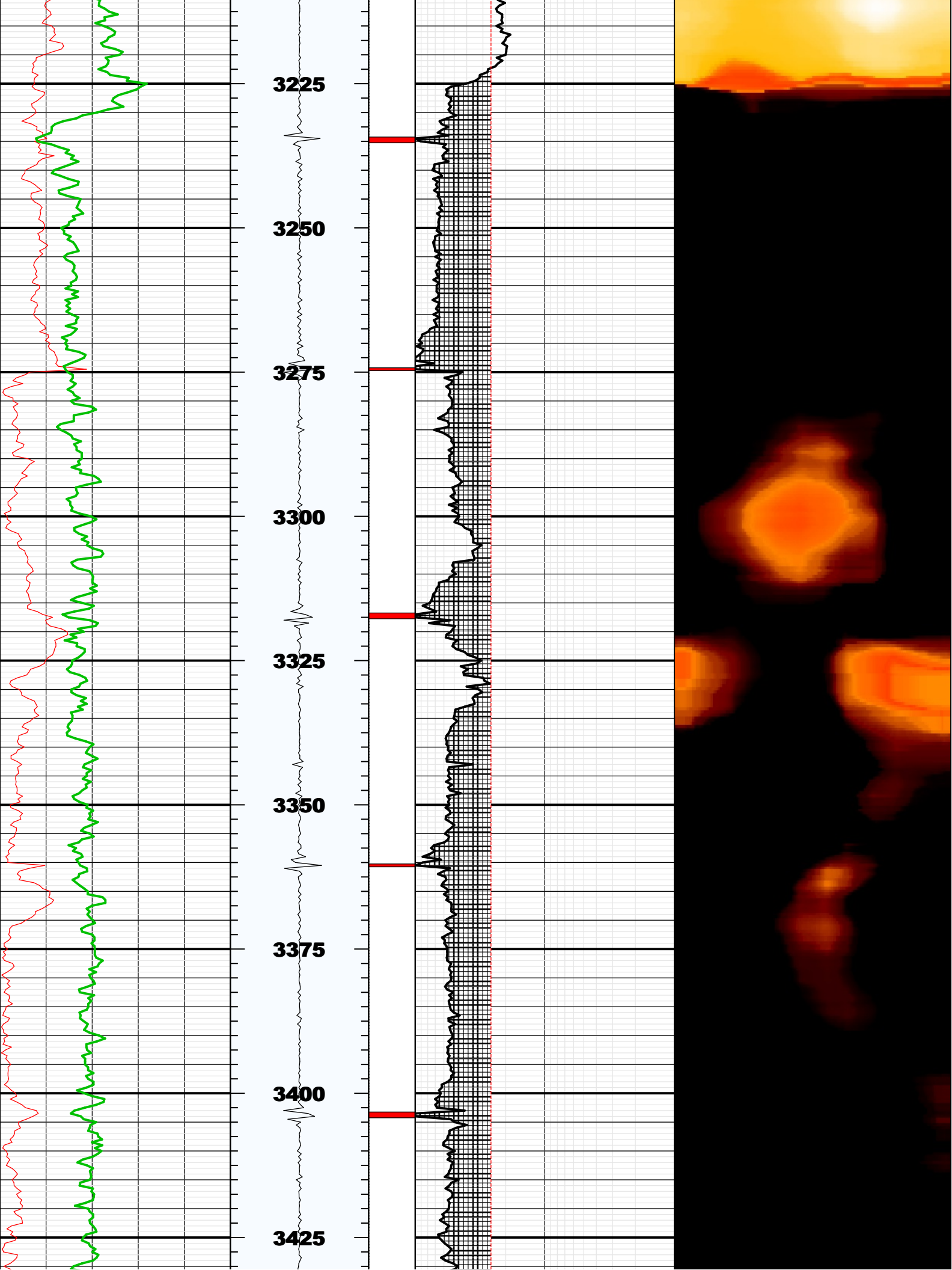


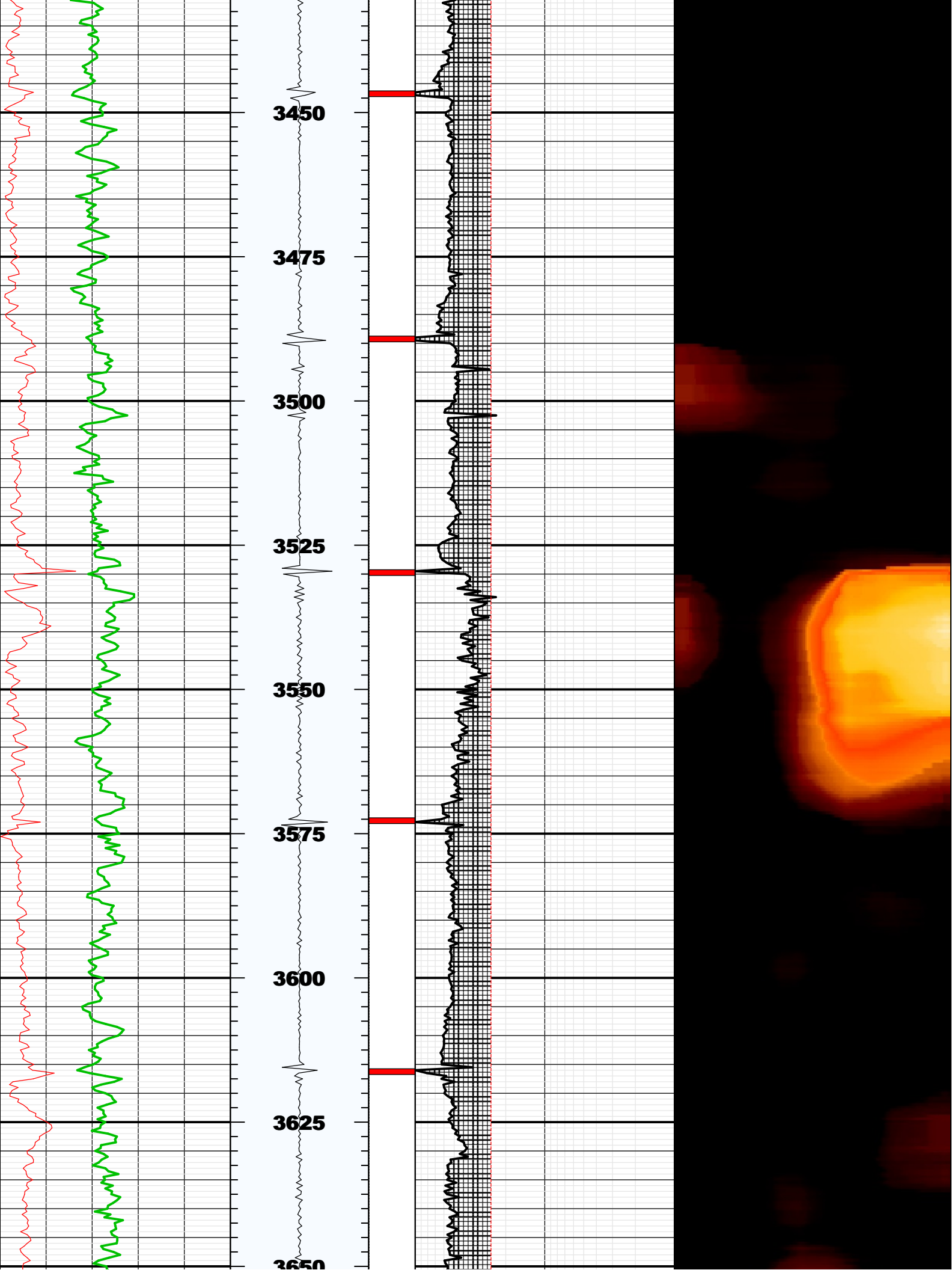


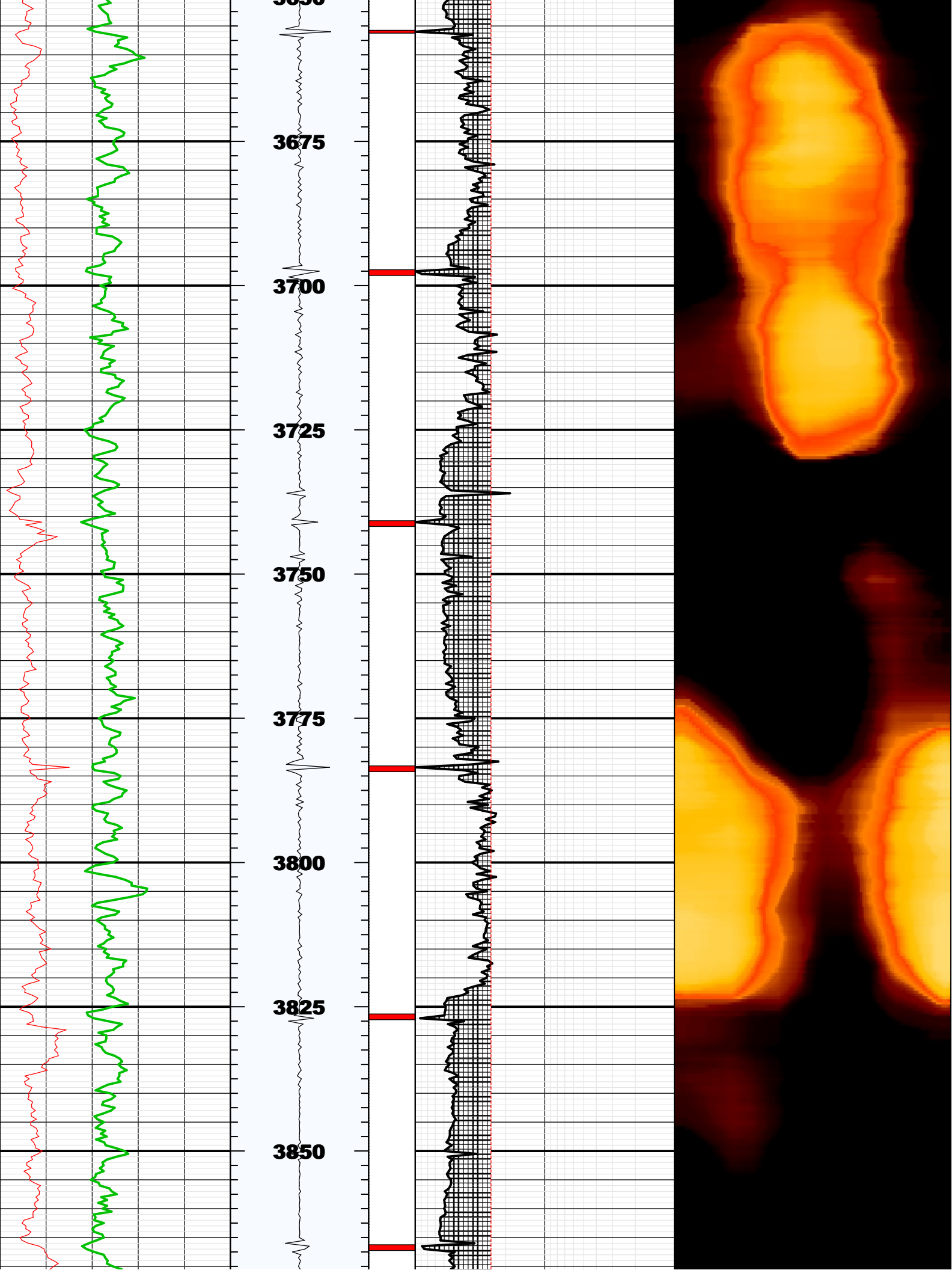


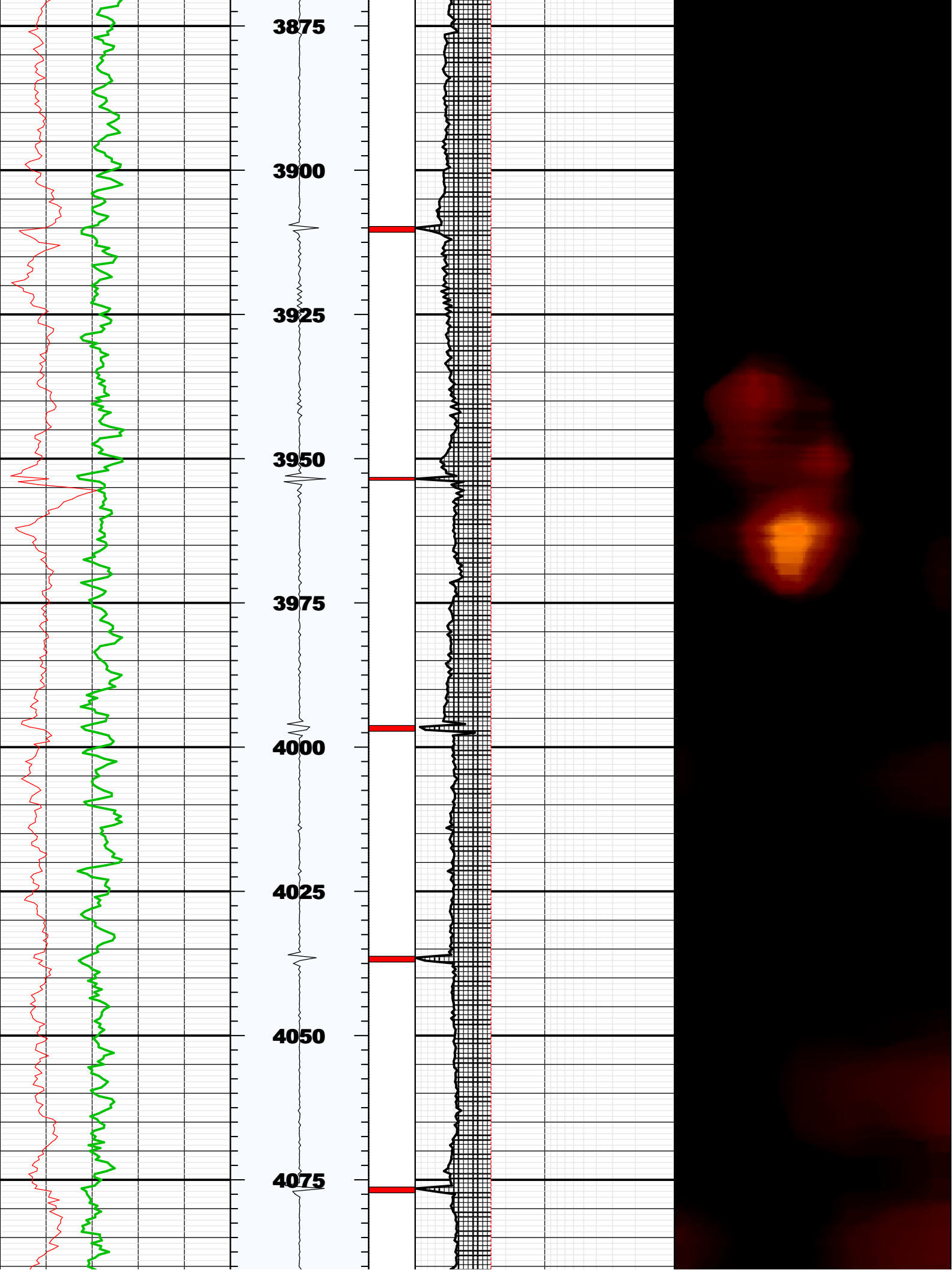




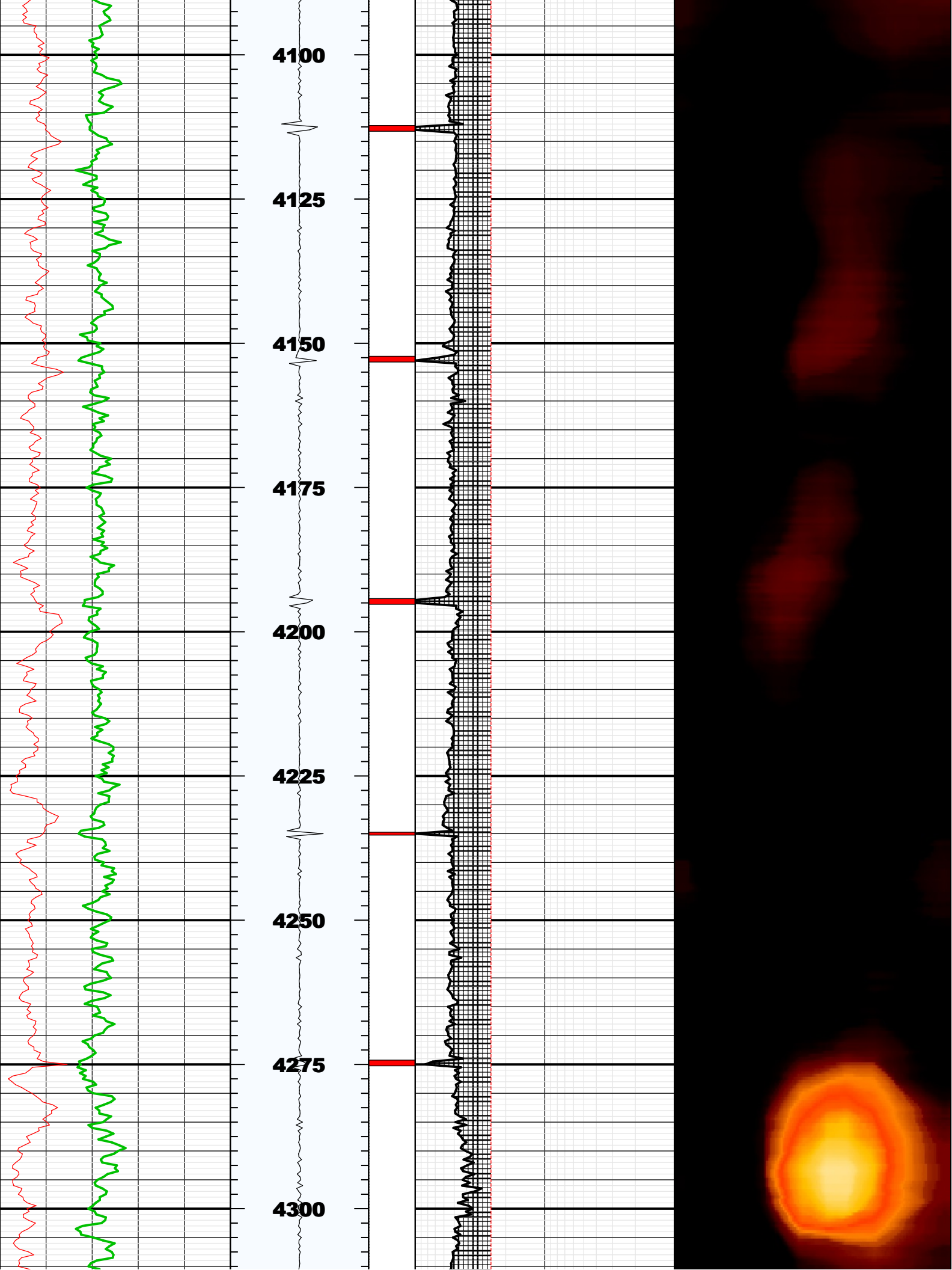


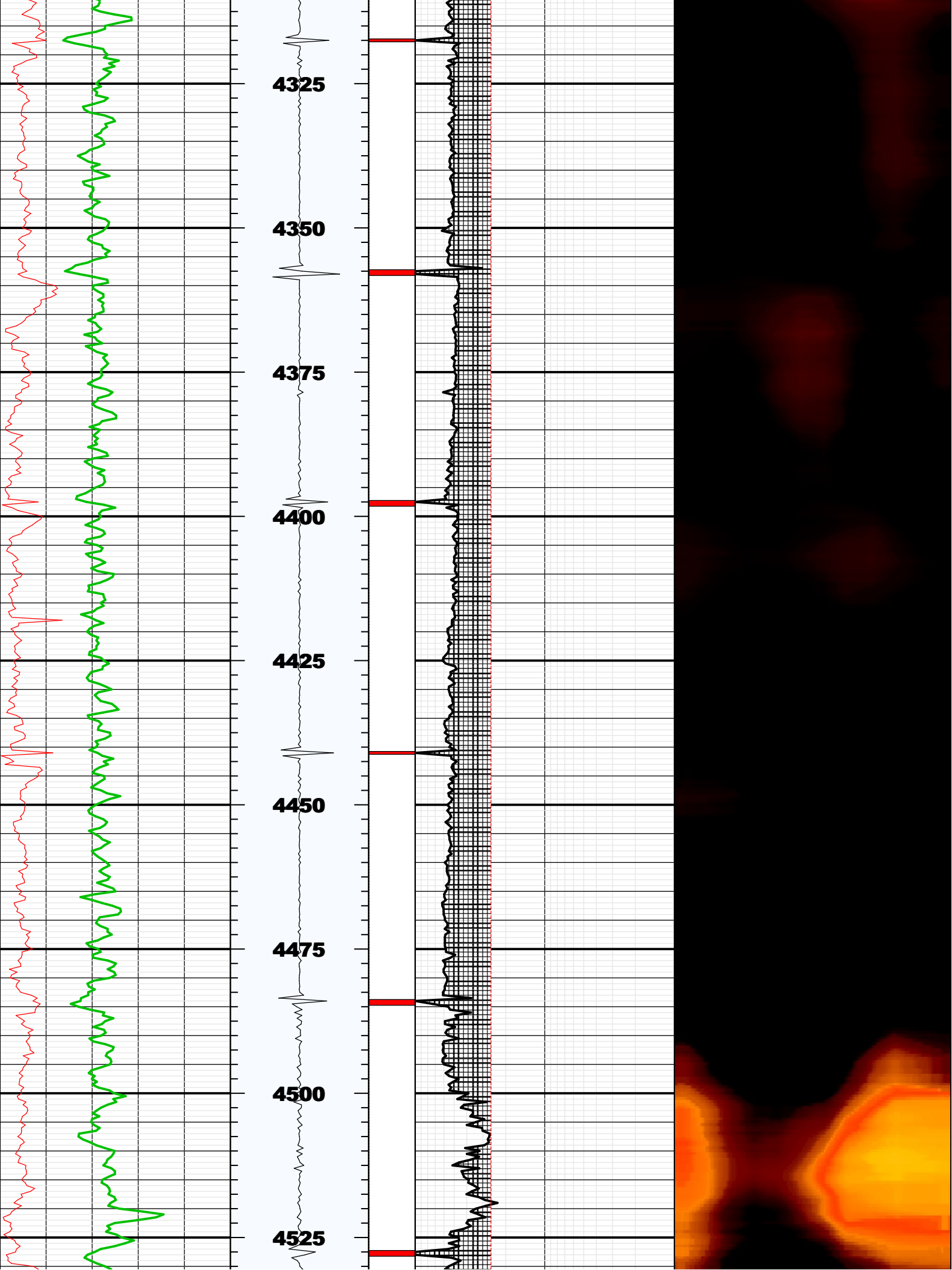


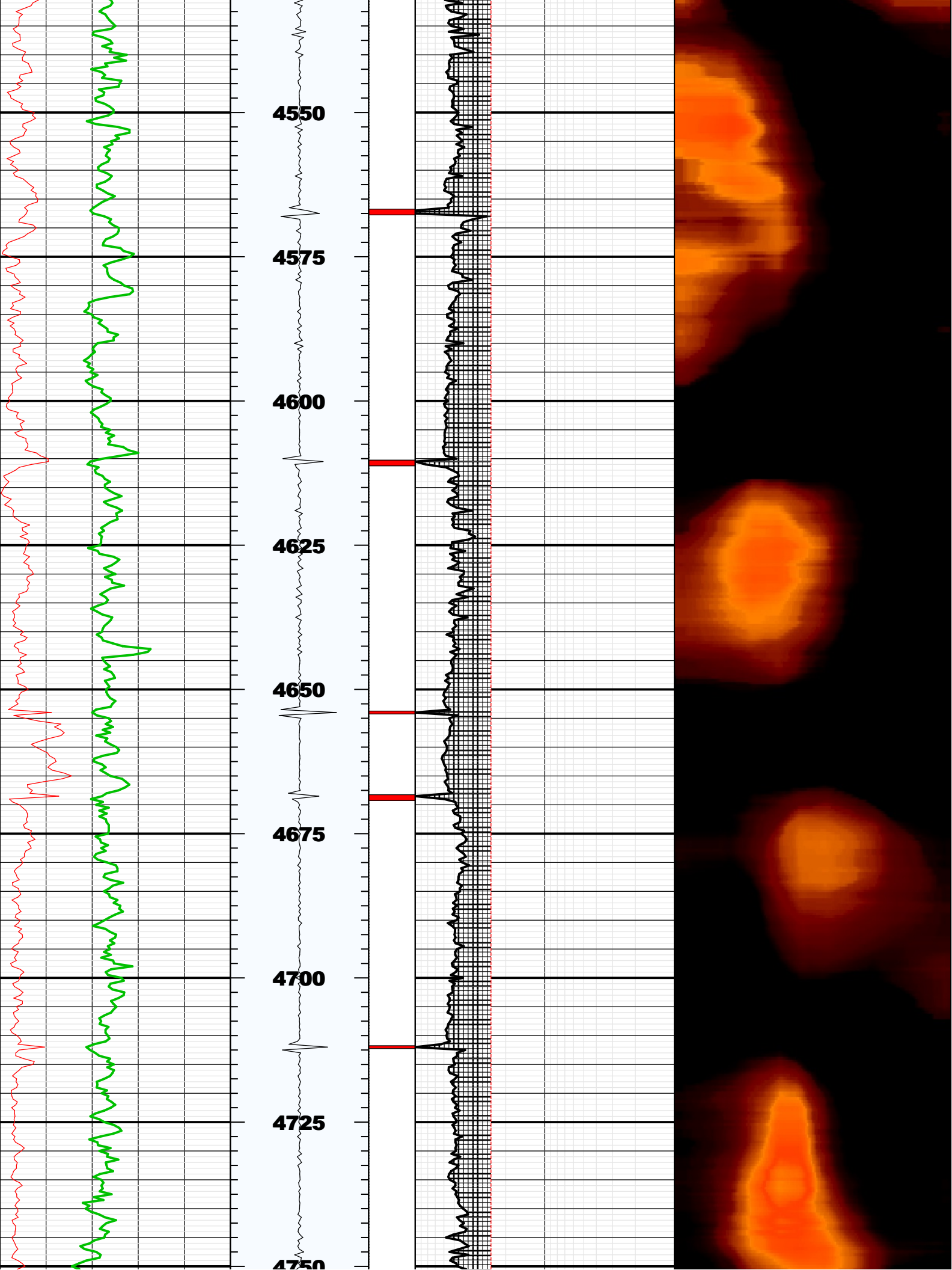




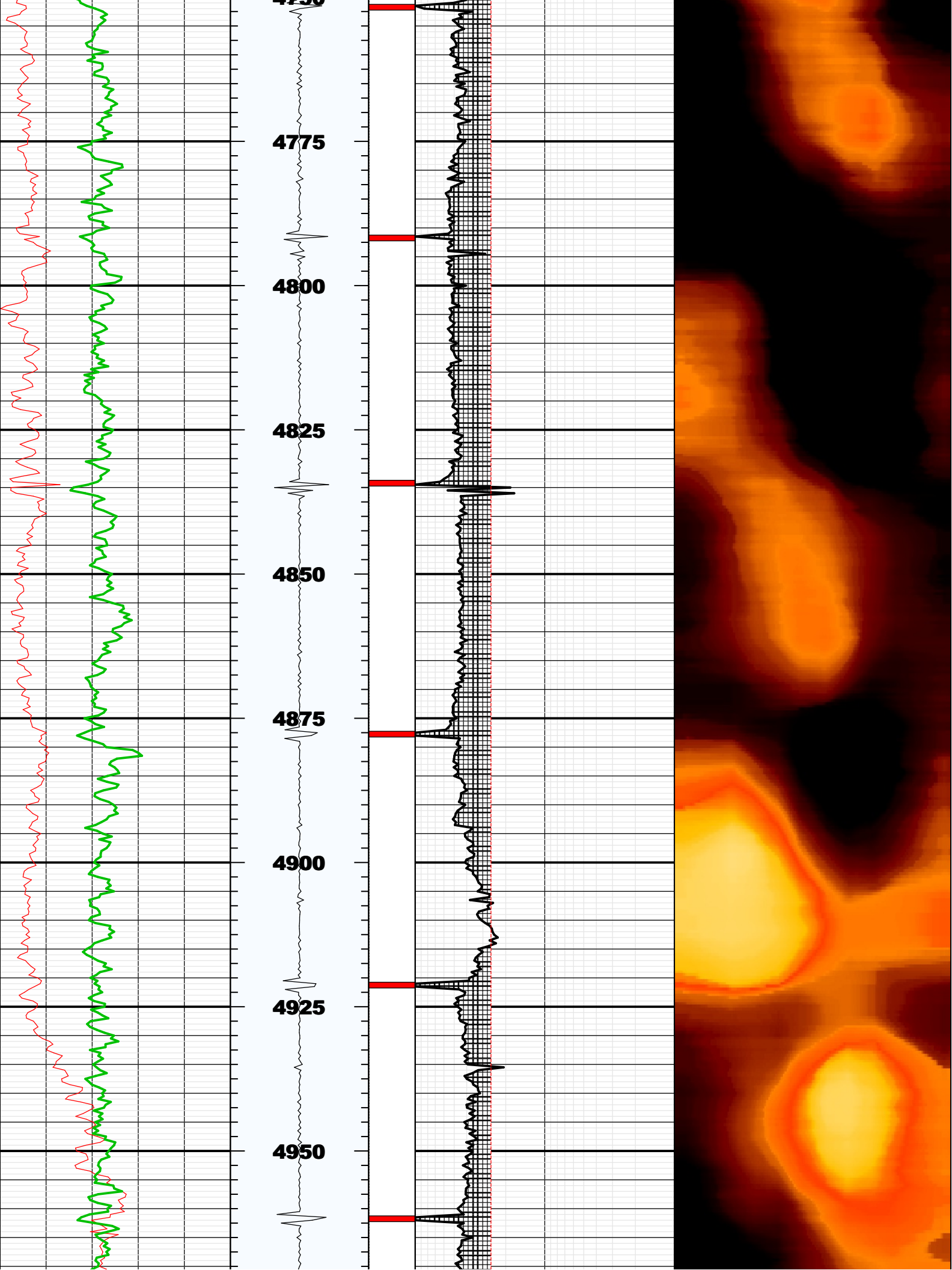


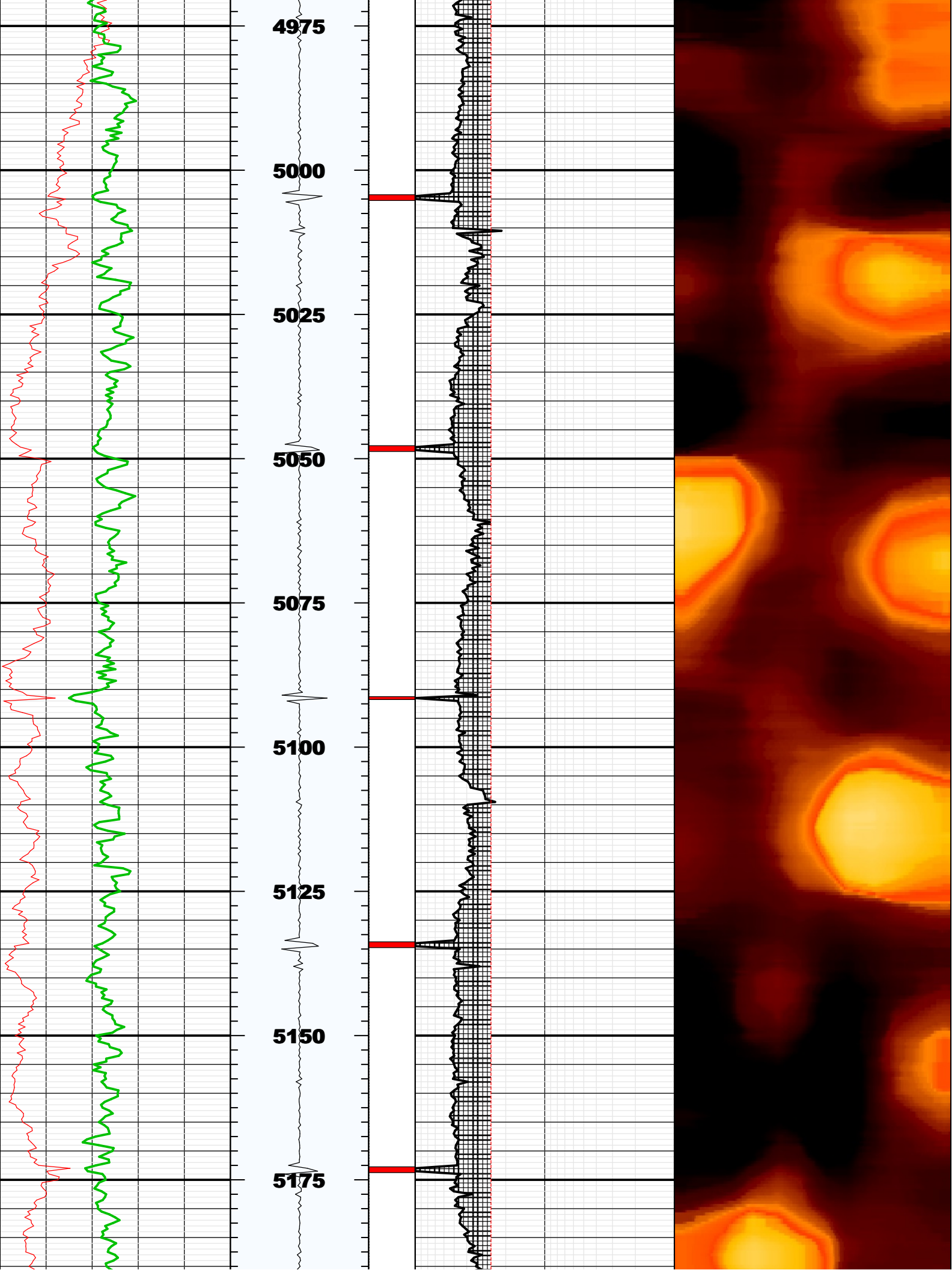


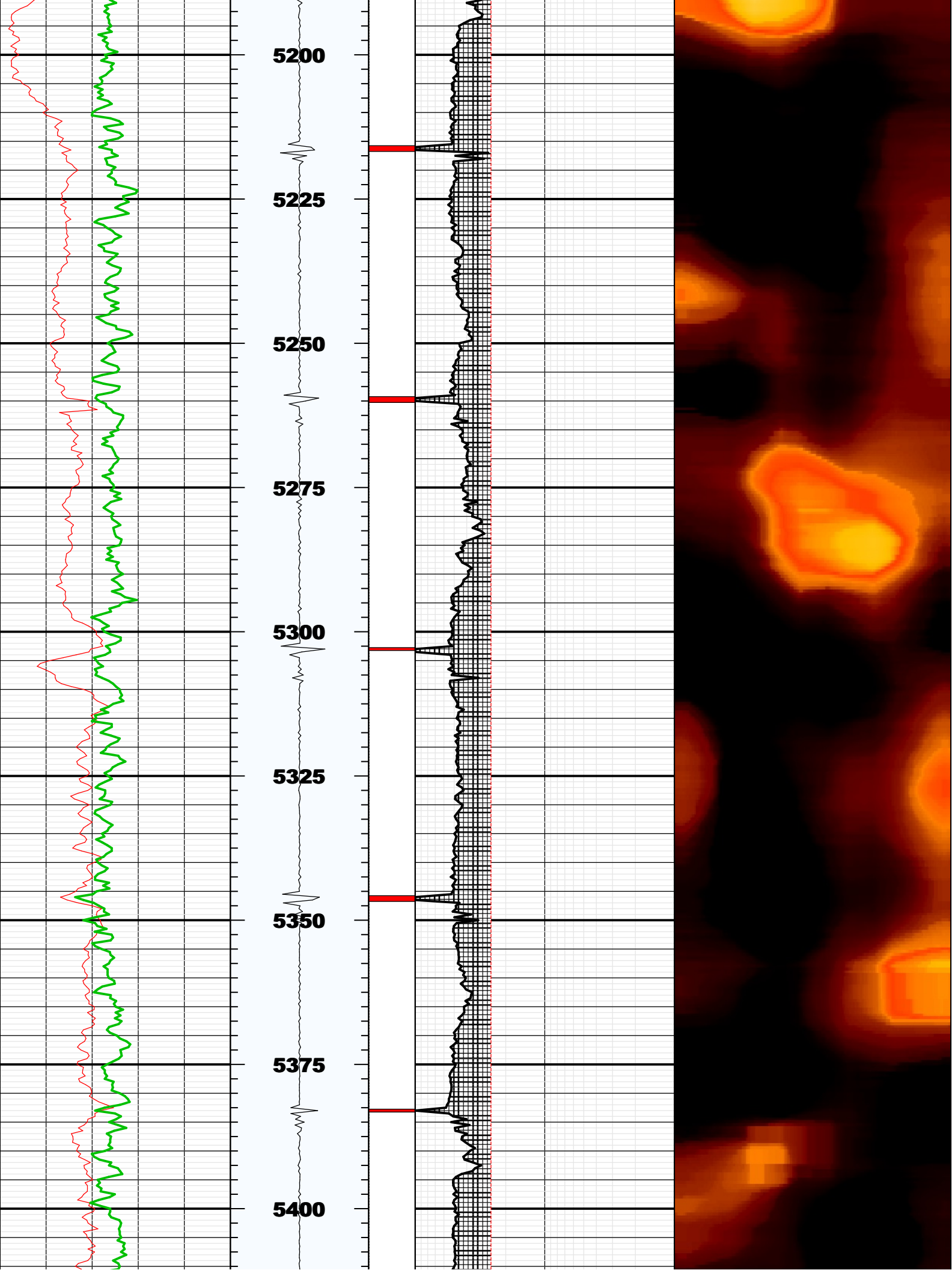


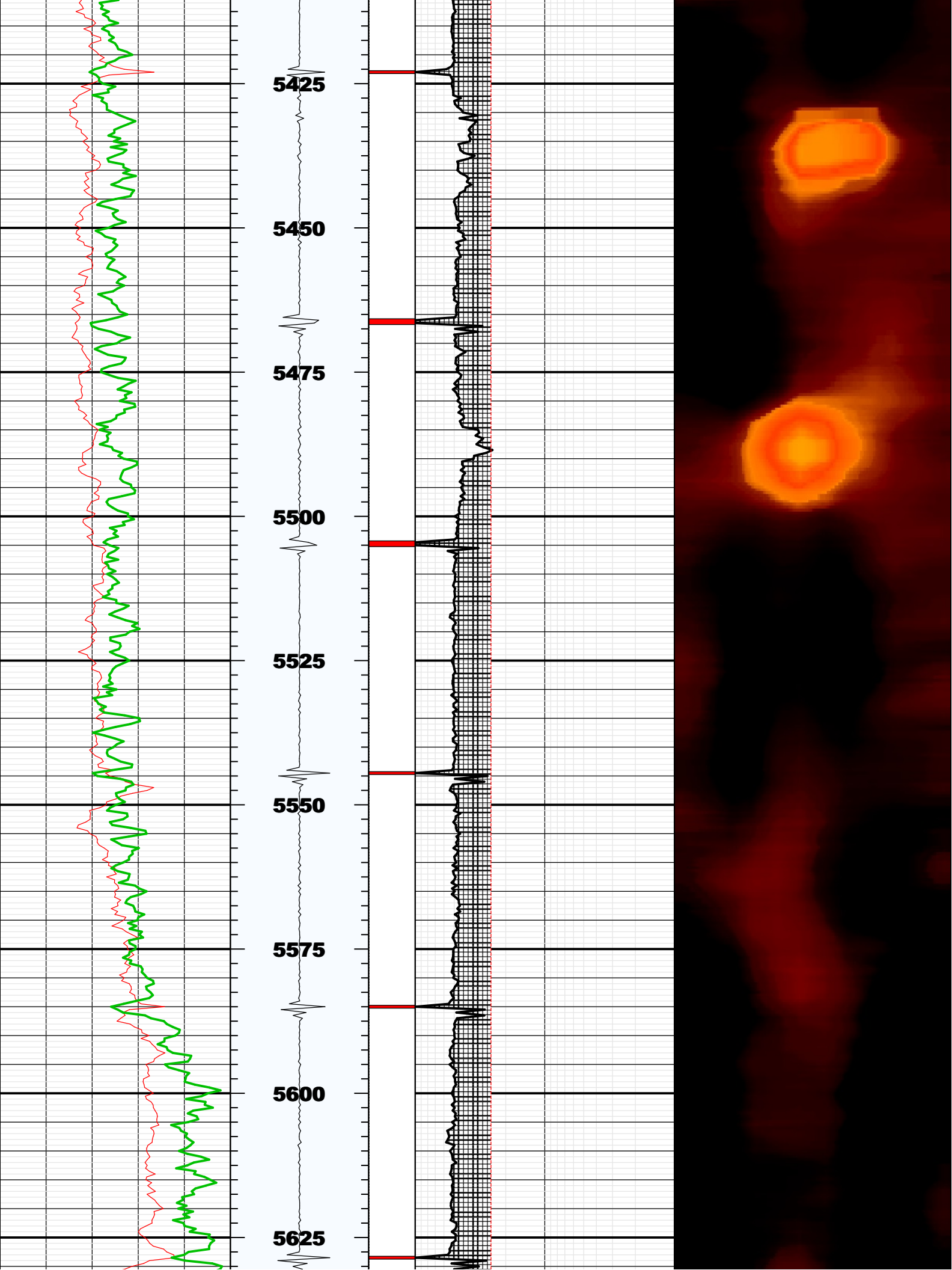




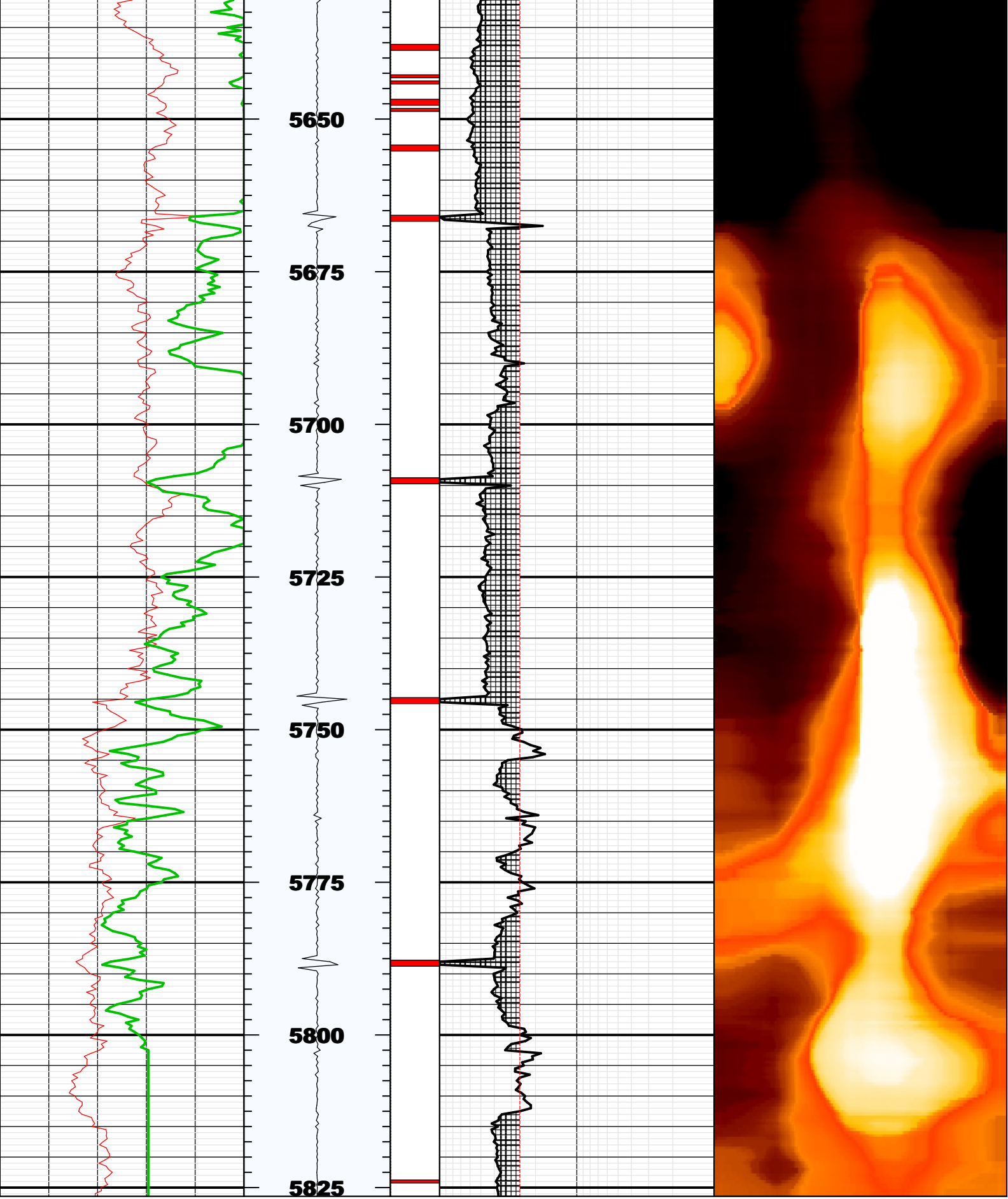








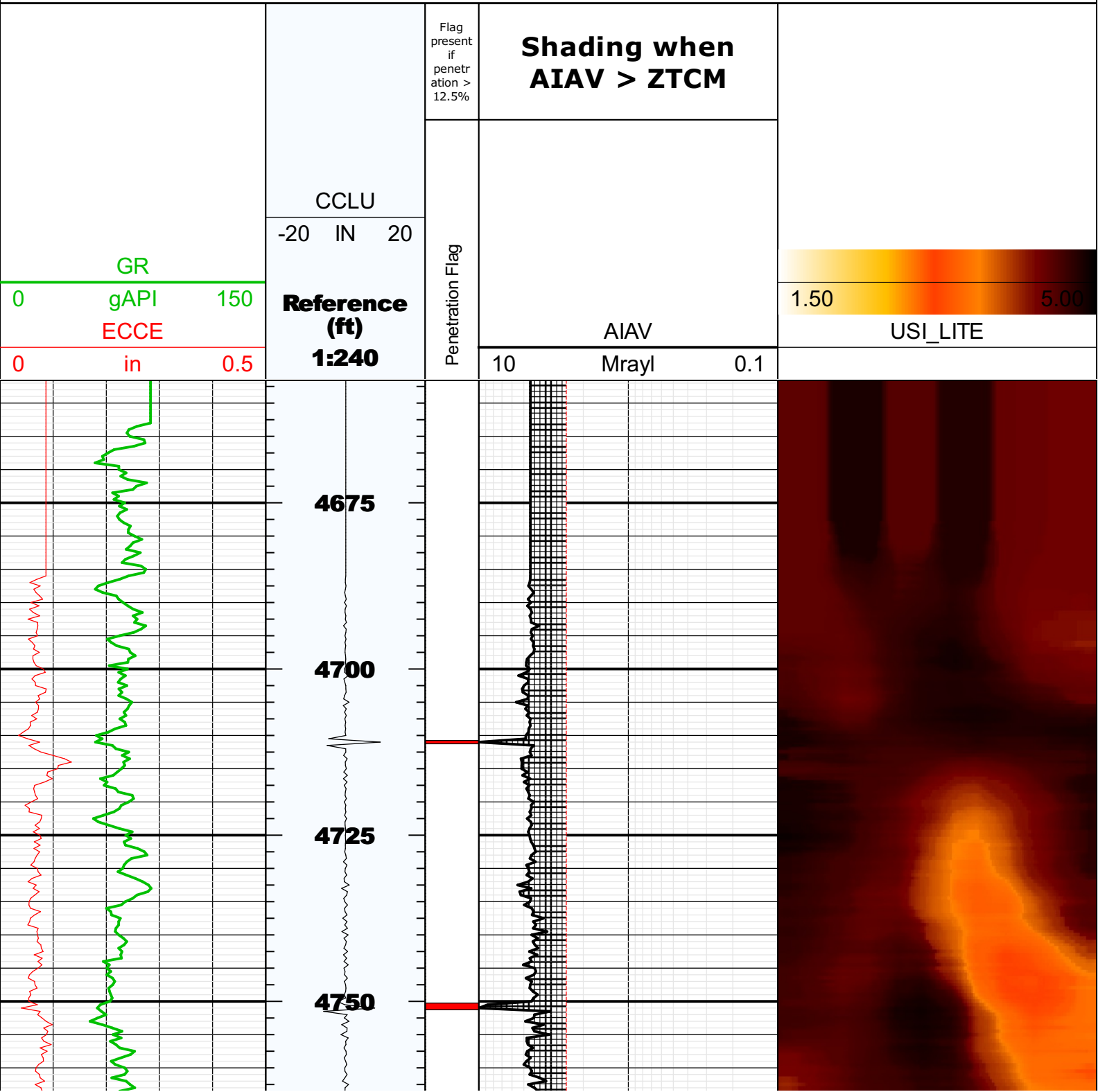


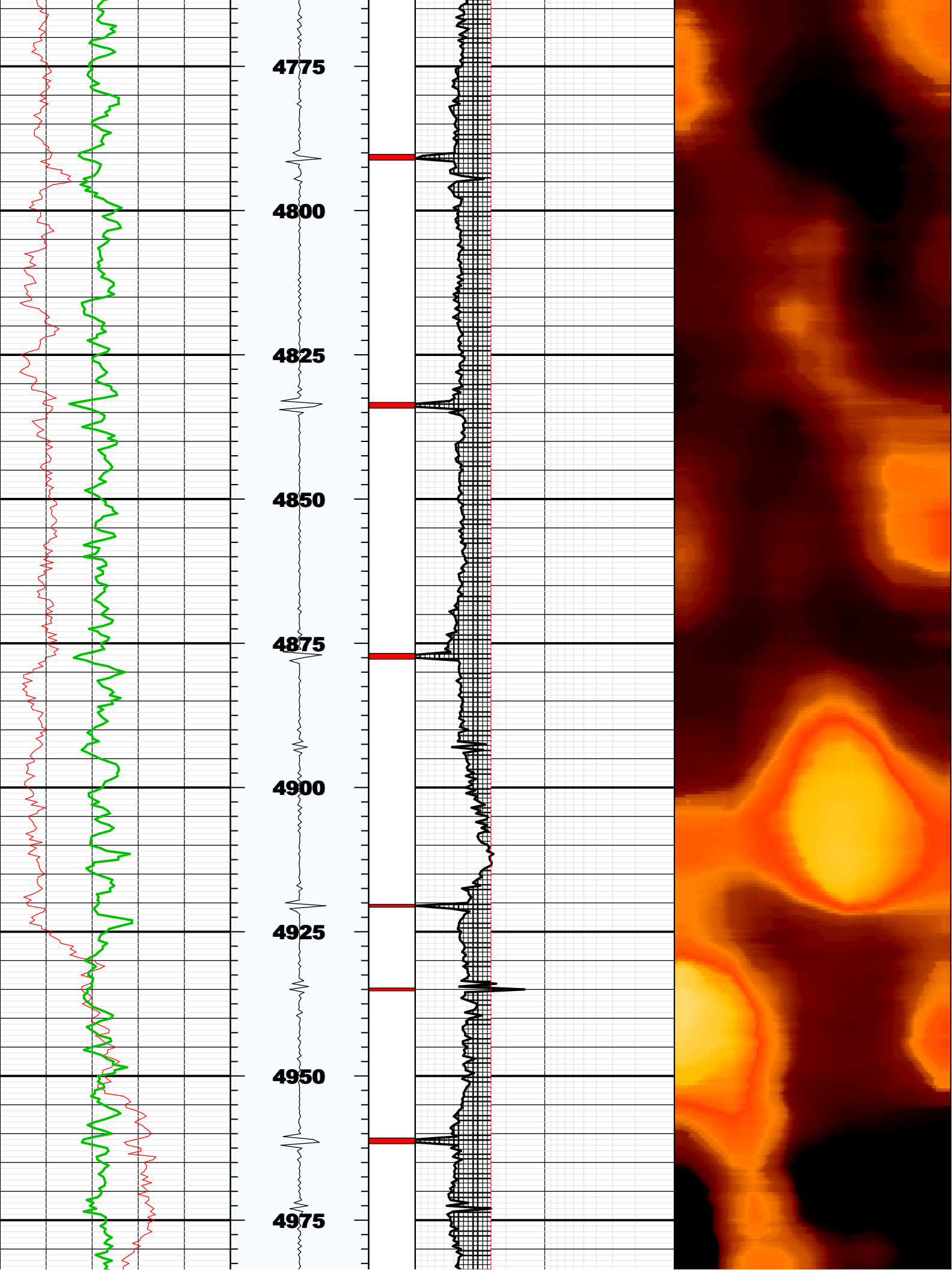


BS	8.75000	IN	Bit Size
CASG	P110		Casing Grade
CDIA	7.00000	IN	Casing Outer Diameter
CSID			
CSIZ	7.00000	IN	Current Casing Size
CWEI	26.00000	LB/F	Casing Weight
DFD	8.40000	LB/G	Drilling Fluid Density
DFVL	188.00000	US/F	Default Fluid Velocity
DO			
DOT	2.87400	IN	Diameter of Transducer Sensor
EMXV	100	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	31.52686	US	Window Begin Time
WINE	75.57349	US	Window End Time
ZCAS	46.25000	MRAY	Acoustic Impedance of Casing
ZINI	-1.00000	MRAY	Initial Estimate of Cement Impedance
ZMUD	1.80000	MRAY	Acoustic Impedance of Mud
ZTCM	2.60000	MRAY	Acoustic Impedance Threshold for Cement
ZTGS	0.30000	MRAY	Acoustic Impedance Threshold for Gas
WLEN	22.50350	US	T^3 Processing Length

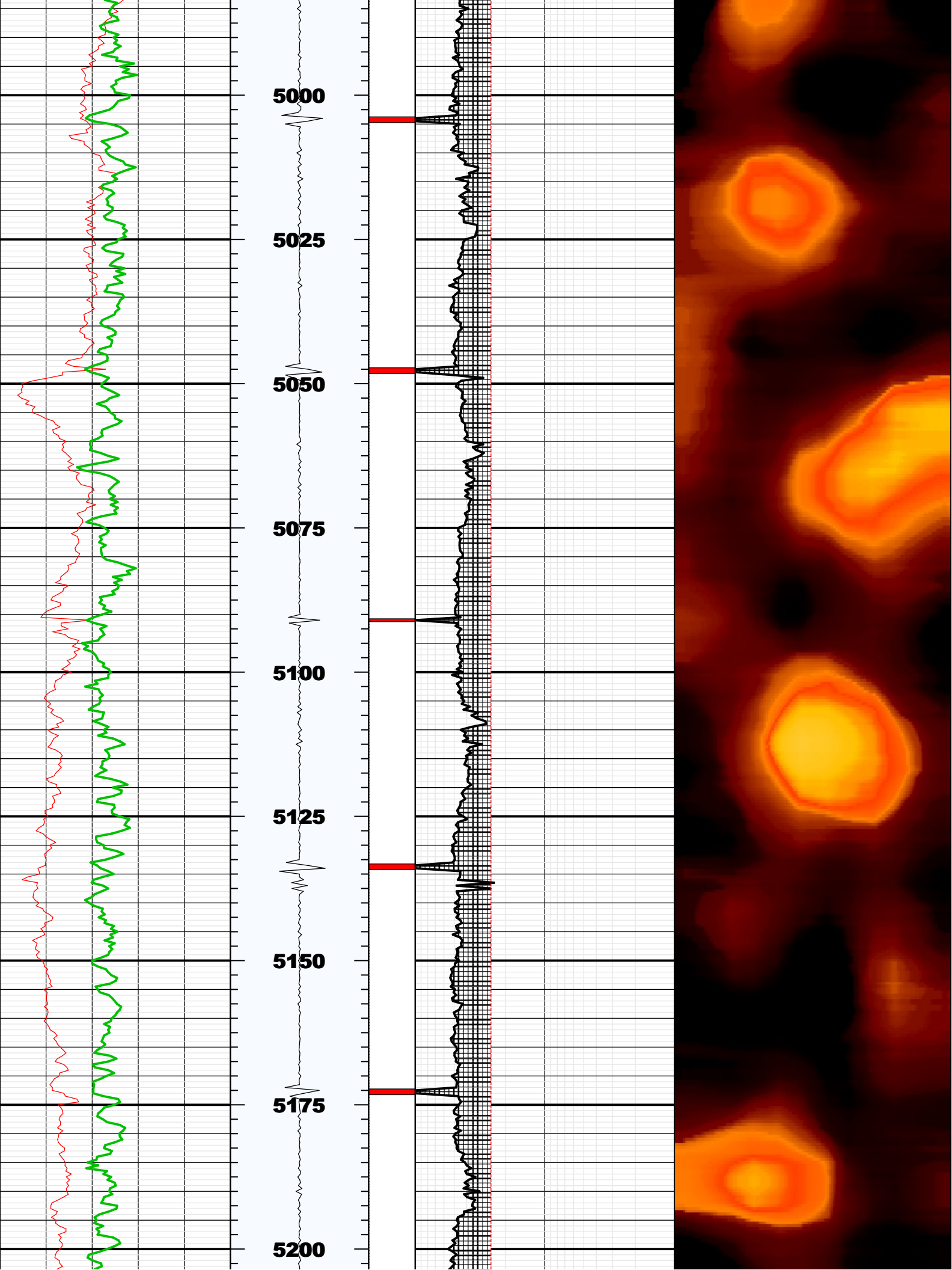
Repeat Pass

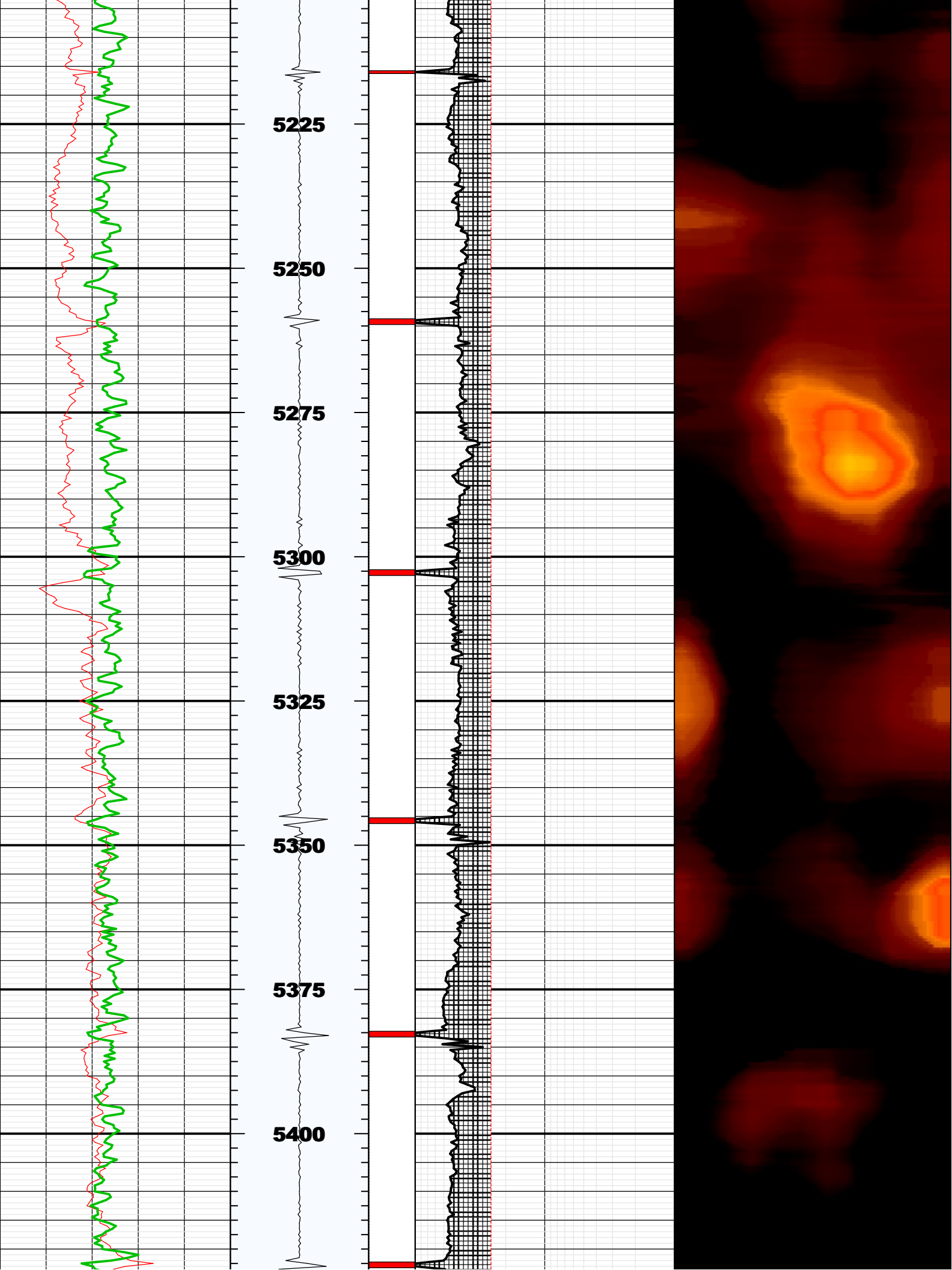
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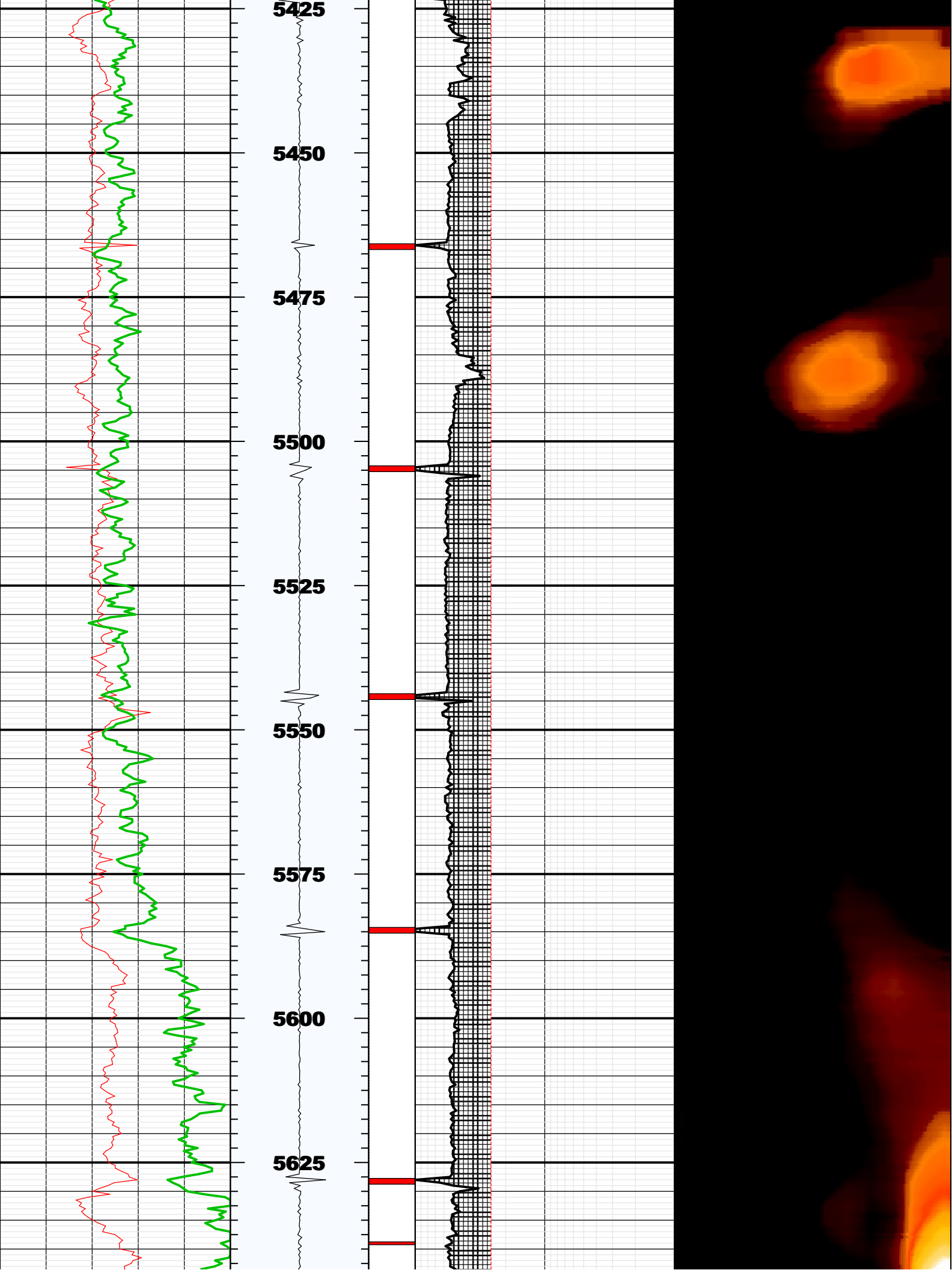


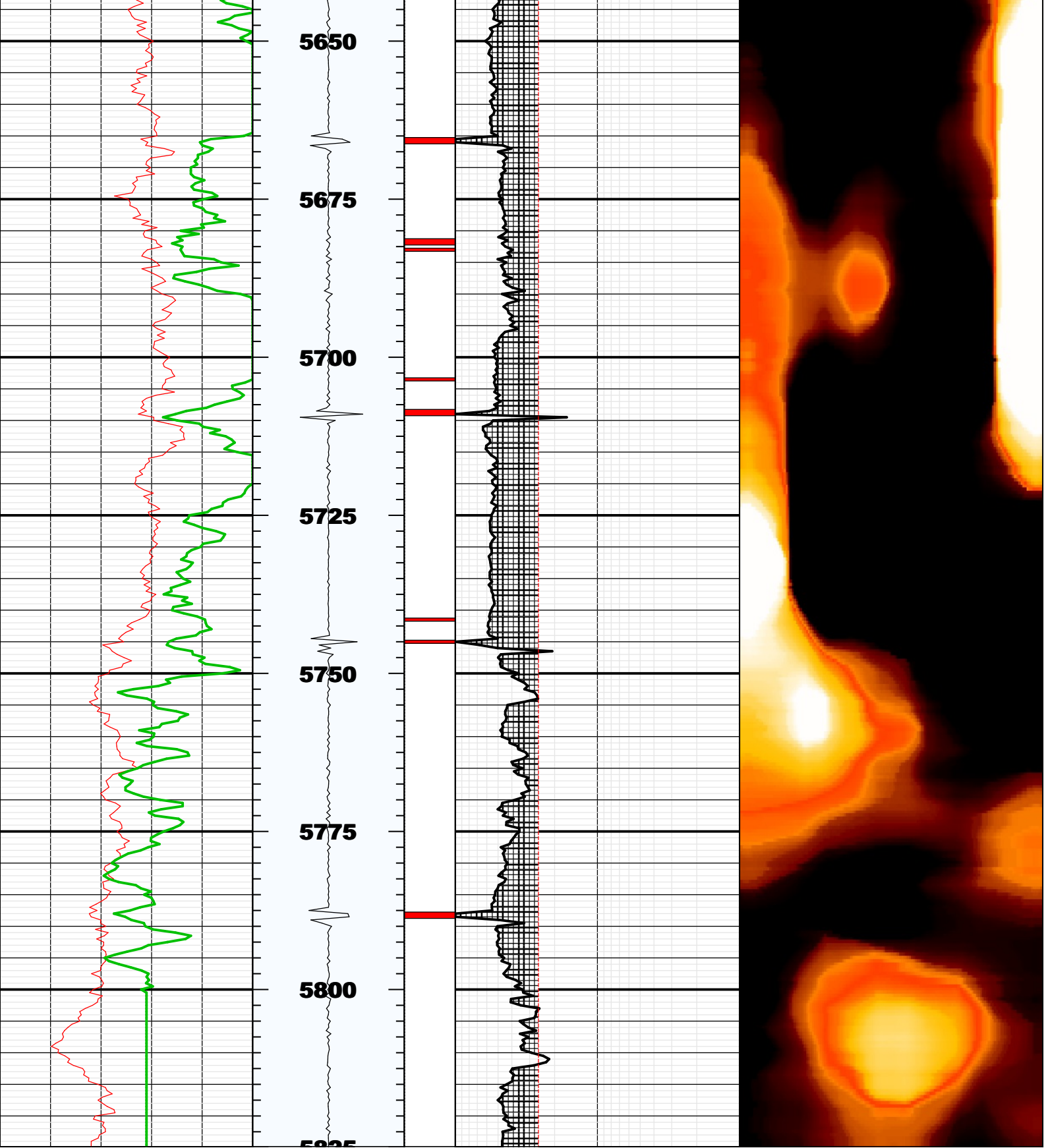












## Fluid Properties Used for Main Pass

