

Company: Noble Energy Inc

Well: Eagle E14-65-1HN
Field: Greeley
County: Weld

State: Colorado

County: Weld		USI-LITE					
Field: Greeley							
Location: NWSW Sec 14 T6N R65W							
Well: Eagle E14-65-1HN							
Company: Noble Energy Inc							
LOCATION		Permanent Datum: Log Measured From: Drilling Measured From:	GL KB KB	Elev: K.B. G.L. D.F. 4748.0 F 4718.0 F 4747.0 F			
API Serial No. 05-123-38096-0000					Section 14	Township 6N	Range 65W
Logging Date 19-Jul-2014							
Run Number Run 1							
Depth Driller		7333.0 F					
Schlumberger Depth		7333.0 F					
Bottom Log Interval		7120.0 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		675.0 F					
To		7333.0 F					
Casing Size		7.00 IN					
Weight		26.00 LB/F					
Grade		P110					
From		30.0 F					
To		7322.9 F					
Max Recorded Temp		240.6					
Logger on bottom (date)		19-Jul-2014					
Location		Fort Morgan CO					
Recorded By		Keri Ondrus					
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: 2858 Calibration Date: Calibrator Serial Number: Number Of Calibration Points: Calibration RMS: Calibration Peak Error:	Serial Number: U710190 Length: 18331.00000

DISCLAIMER

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIIONS ON USE OF THE RECORDED-DATA (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF ANR RELIANCE UPN THE RECORDED-DATA; AND (c)CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISIONS MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA

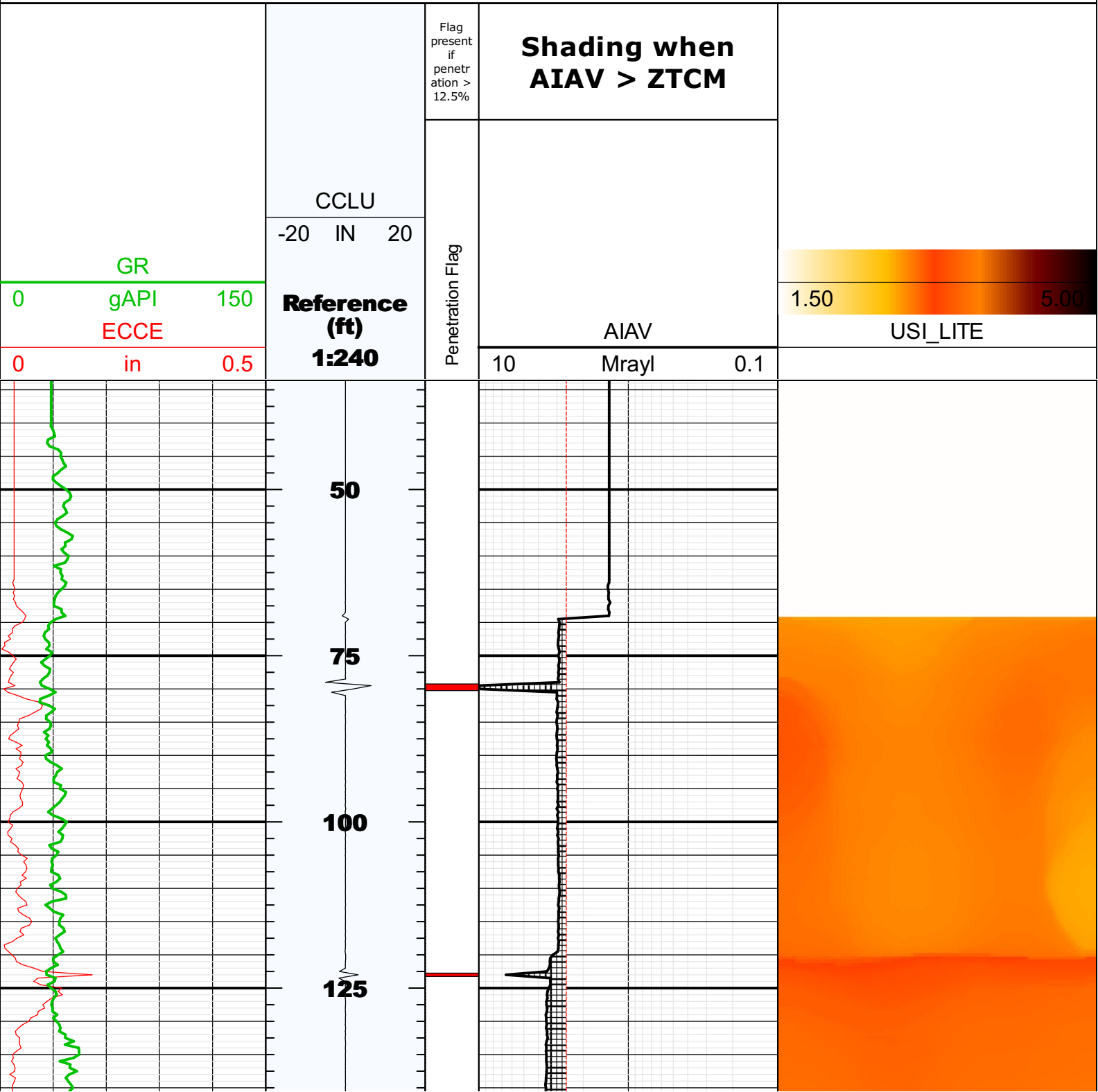
Toolstring run as per toolsketch.
0 PSI repeat pass 2500 PSI main pass.
Estimated TOC @ 65'. Expected TOC @ 30'.
11.5 PPG tuned spacer 12.5 PPG lead cement and 13.8 PPG tail cement.
10.6 PPG drilling fluid.
During cement job 3000 PSI casing test held for 15 min. Floats held.

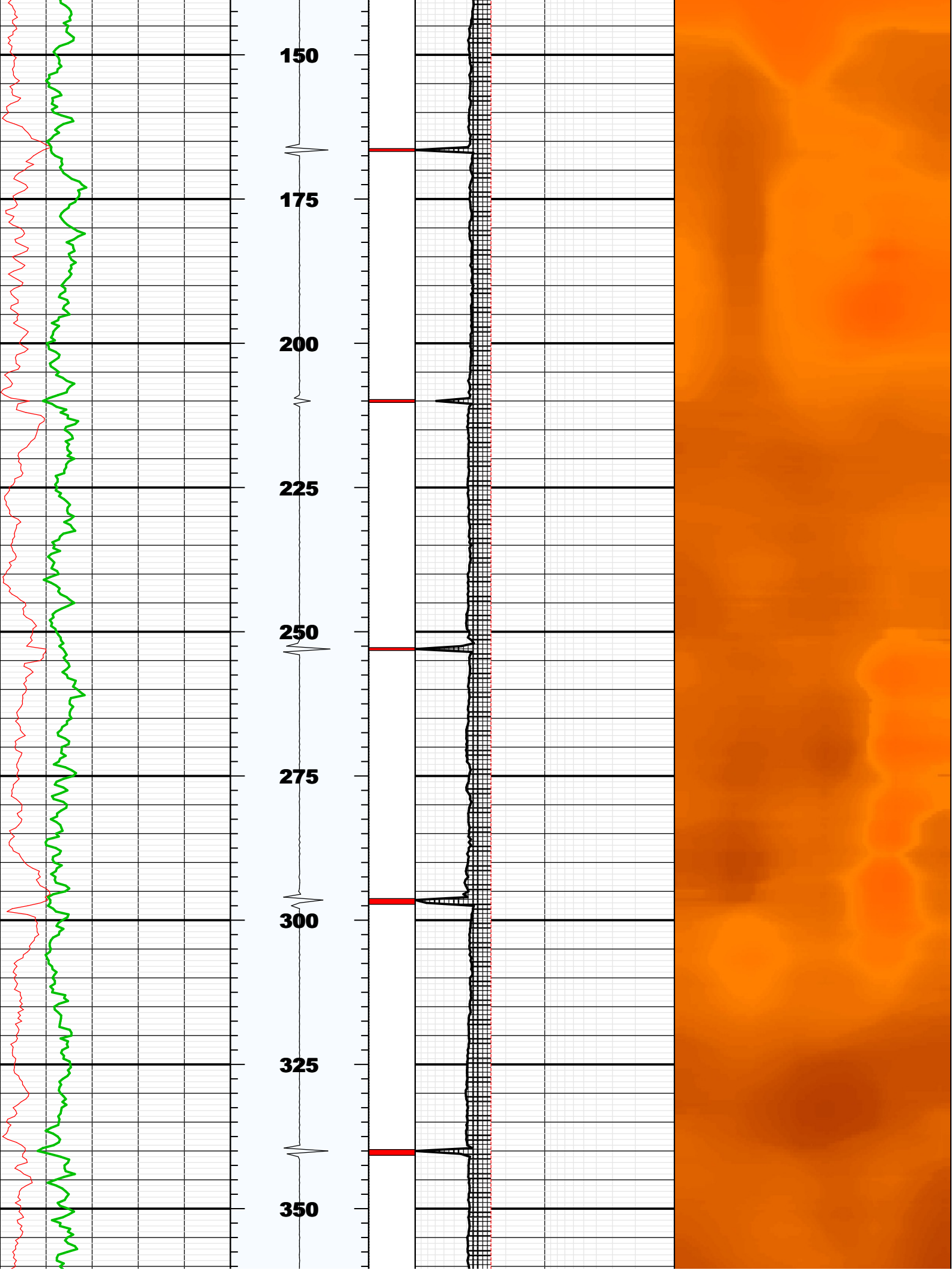
Top of 4.5 liner at 7192.7 feet.
Bottom log interval at 7120 feet due to loss of tension
Bottom hole temperature 240.66 degF.

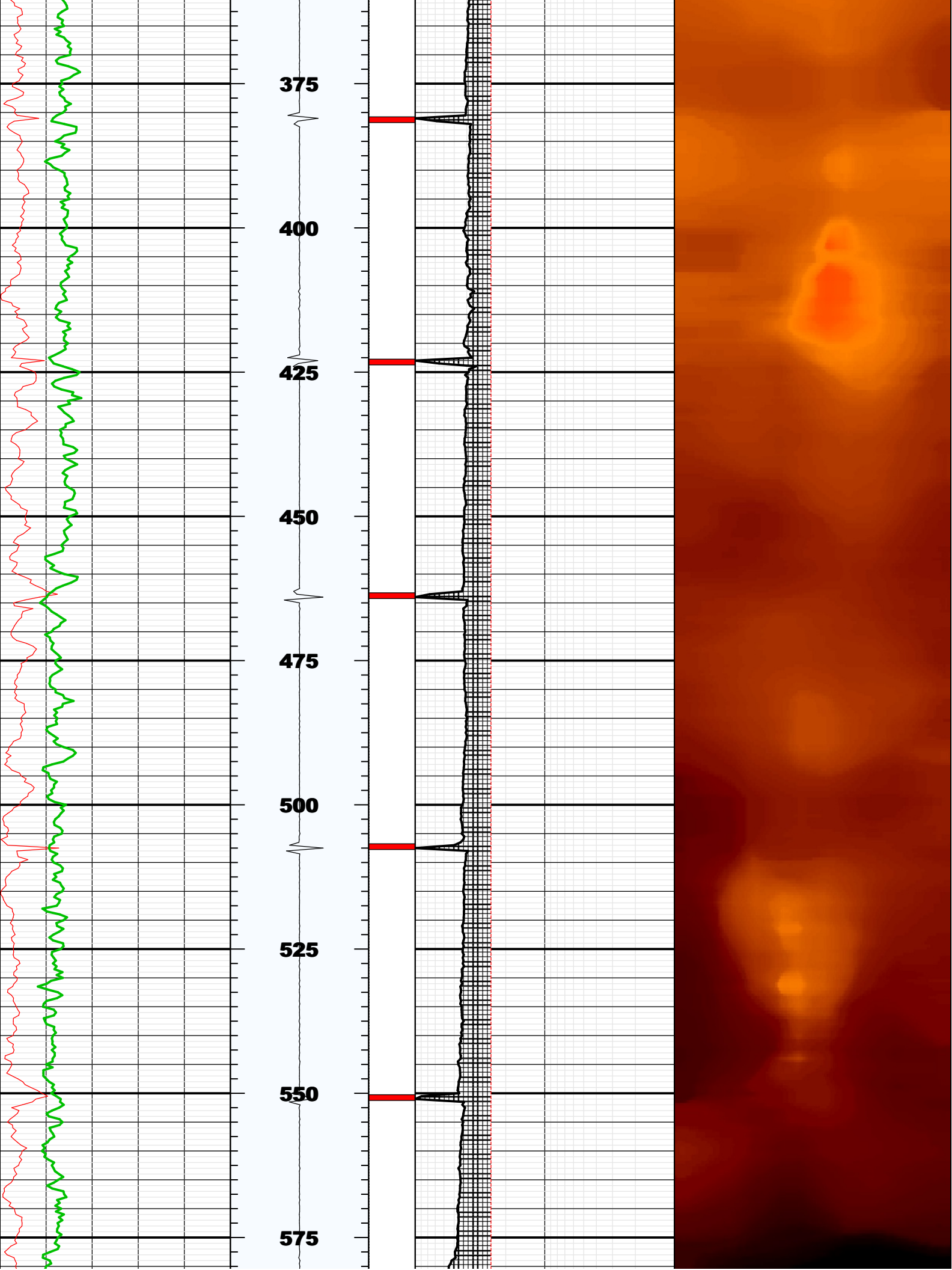
Thank you for choosing Schlumberger Wireline.
SLB crew Jay Musgrave Josh Strand and Keri Ondrus.

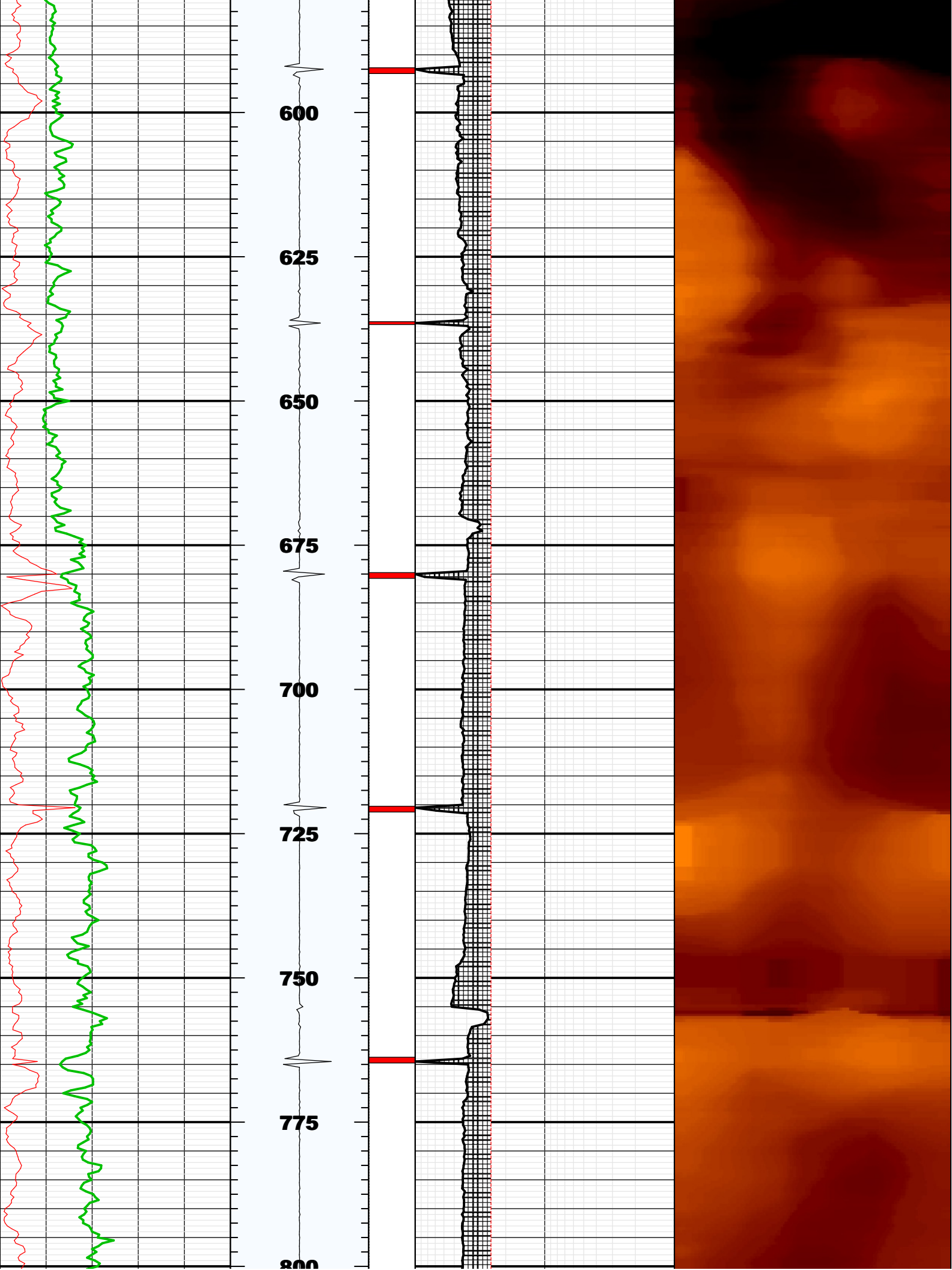
Main Pass

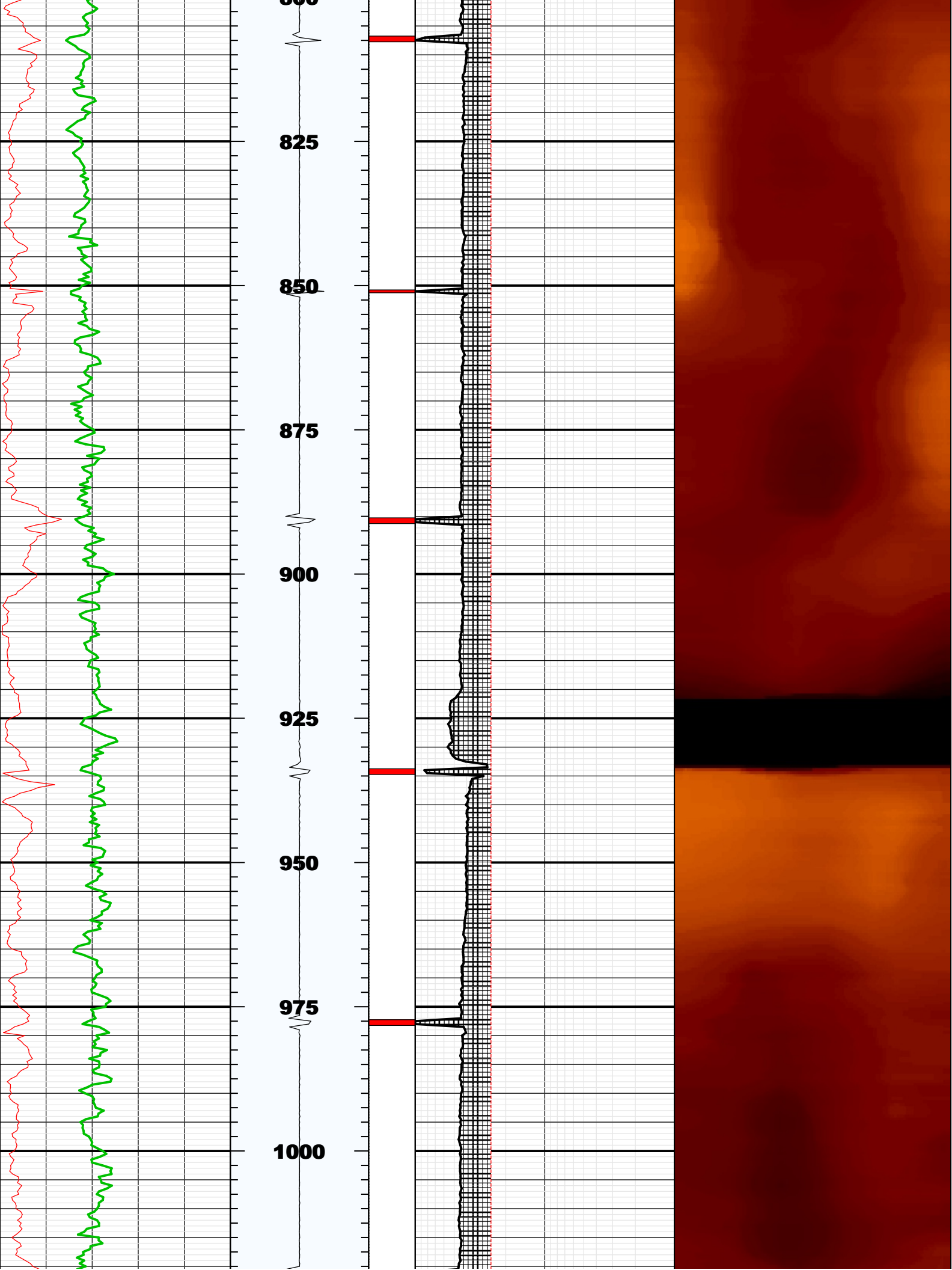
Company: Noble Energy Inc
Well: Eagle E14-65-1HN
Field: Greeley

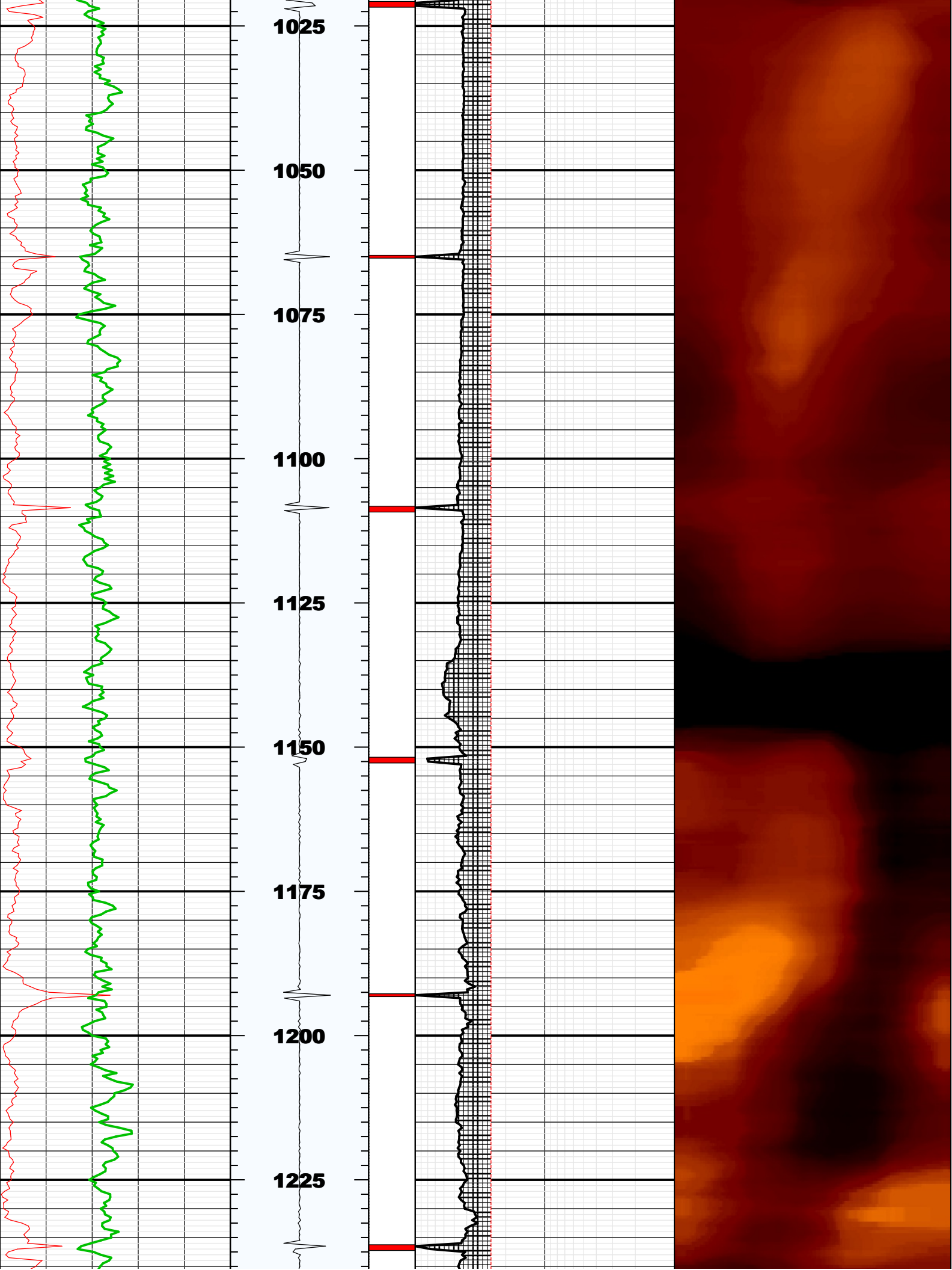


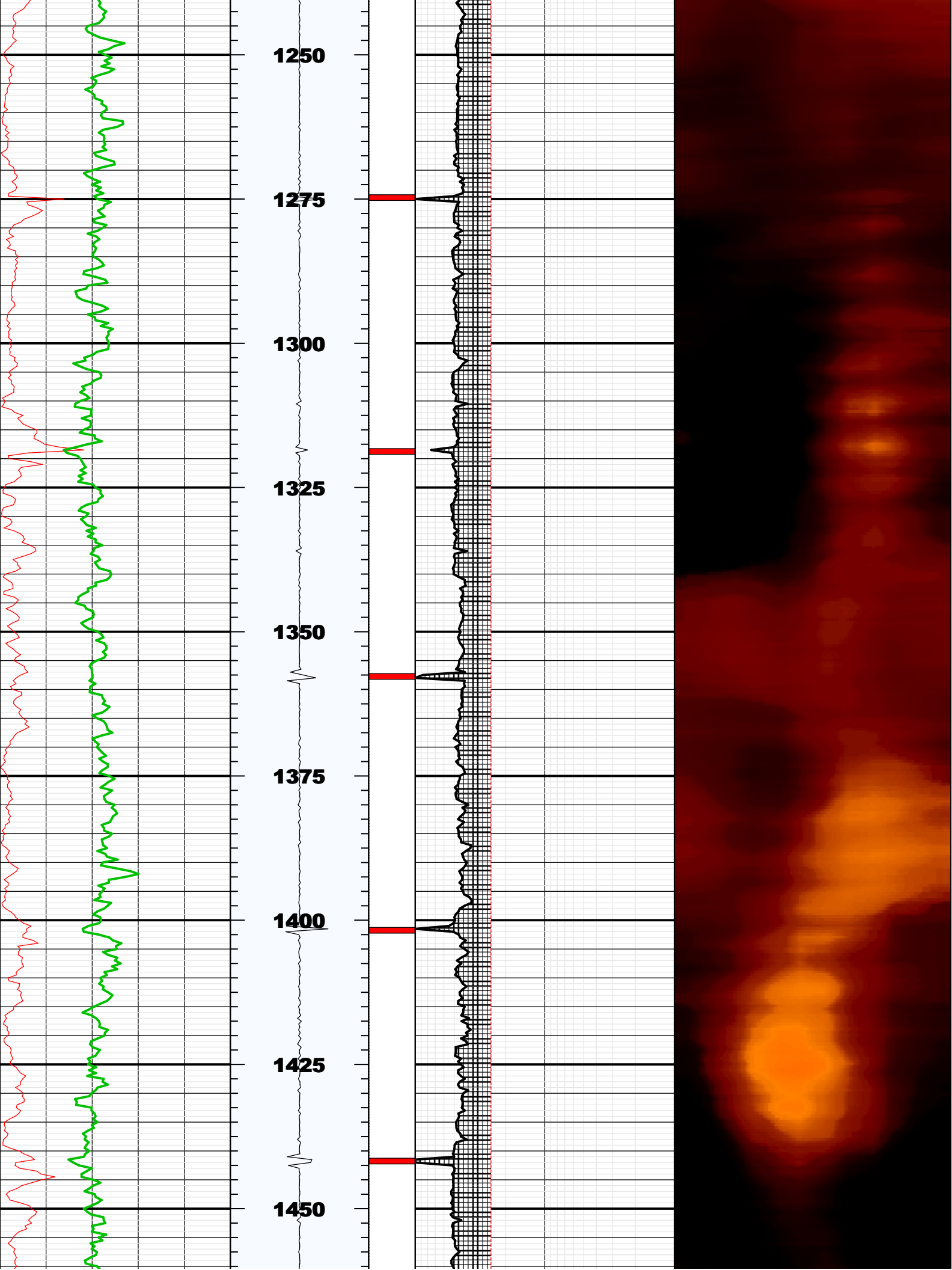


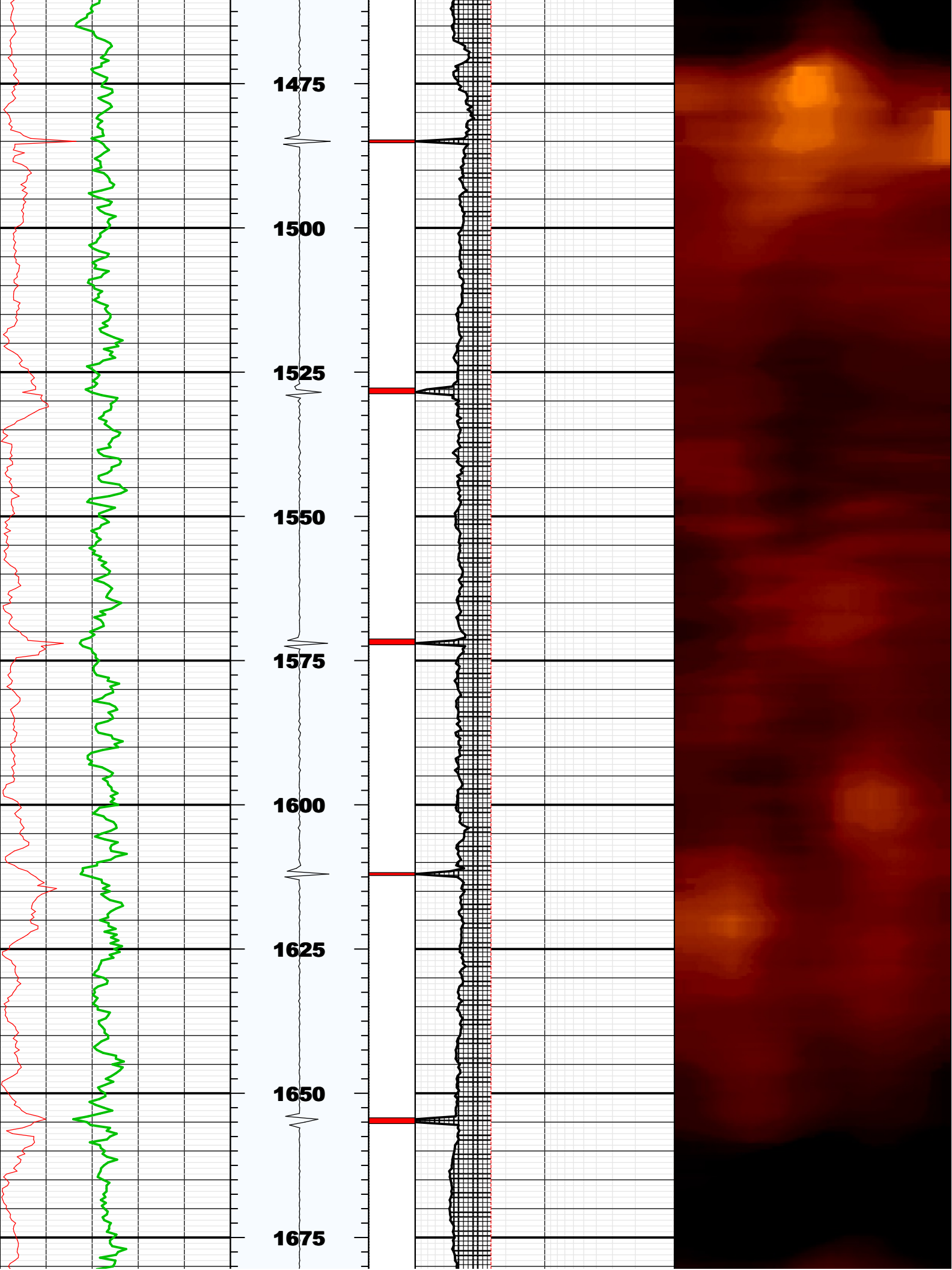


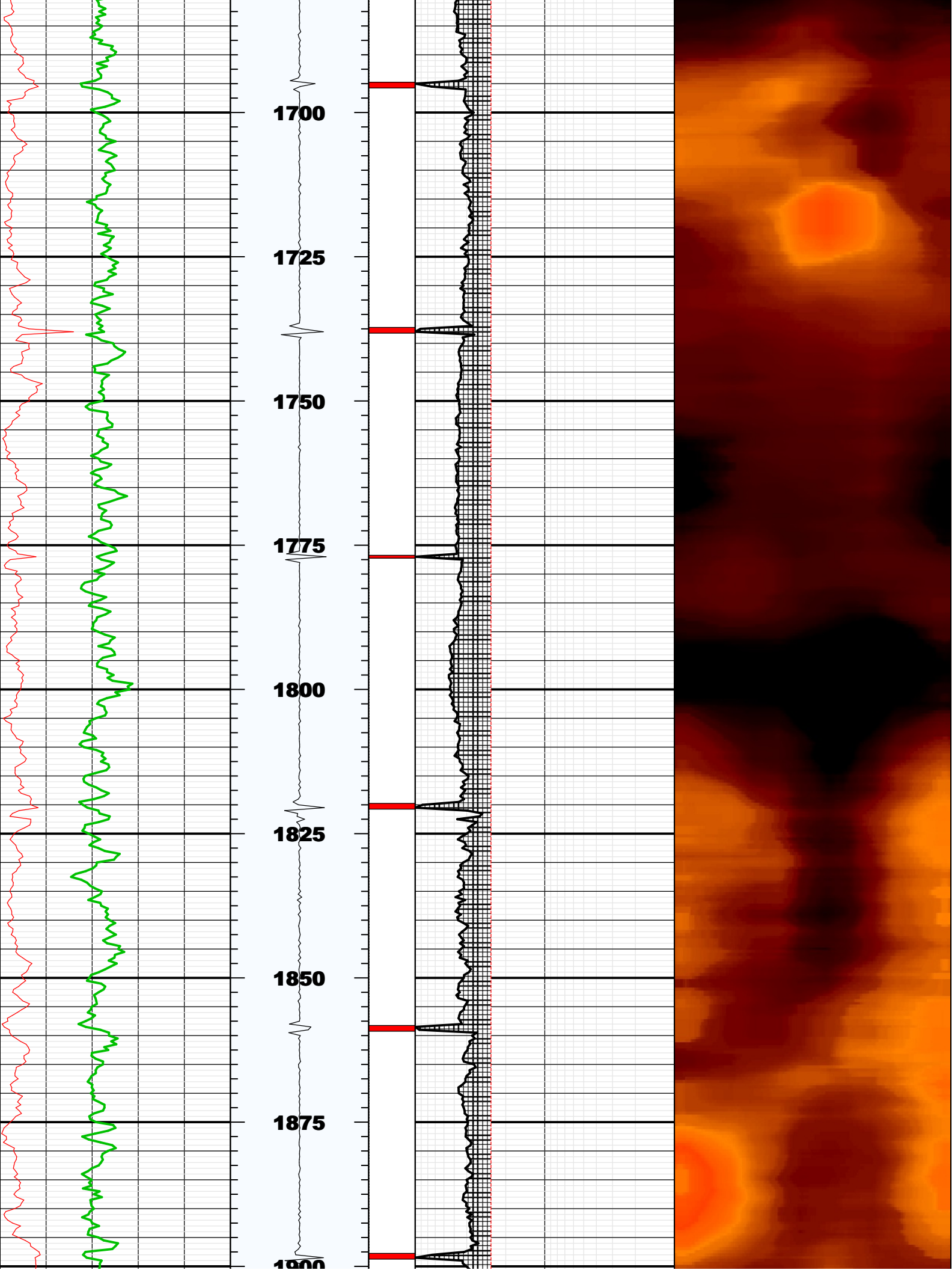


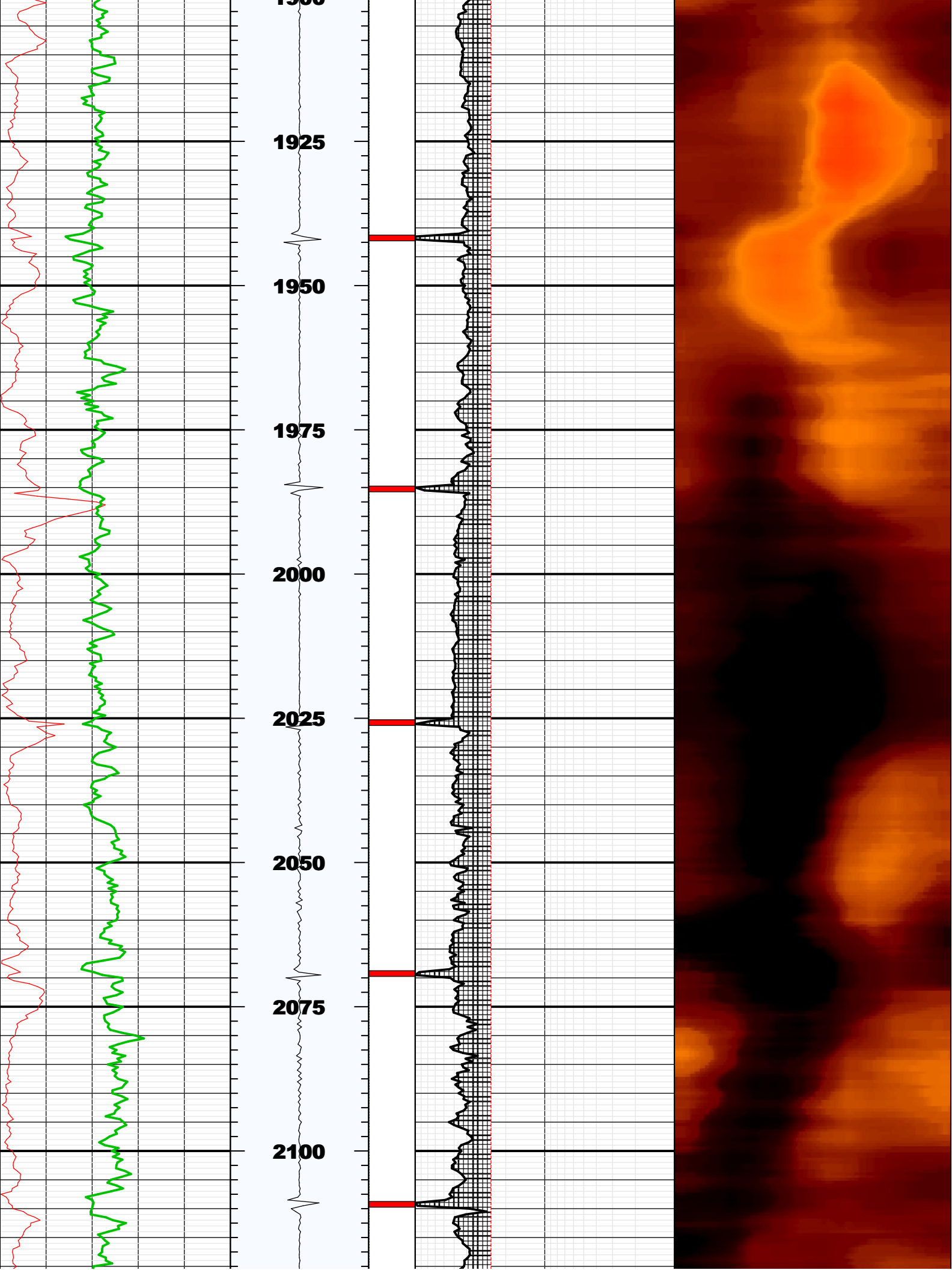


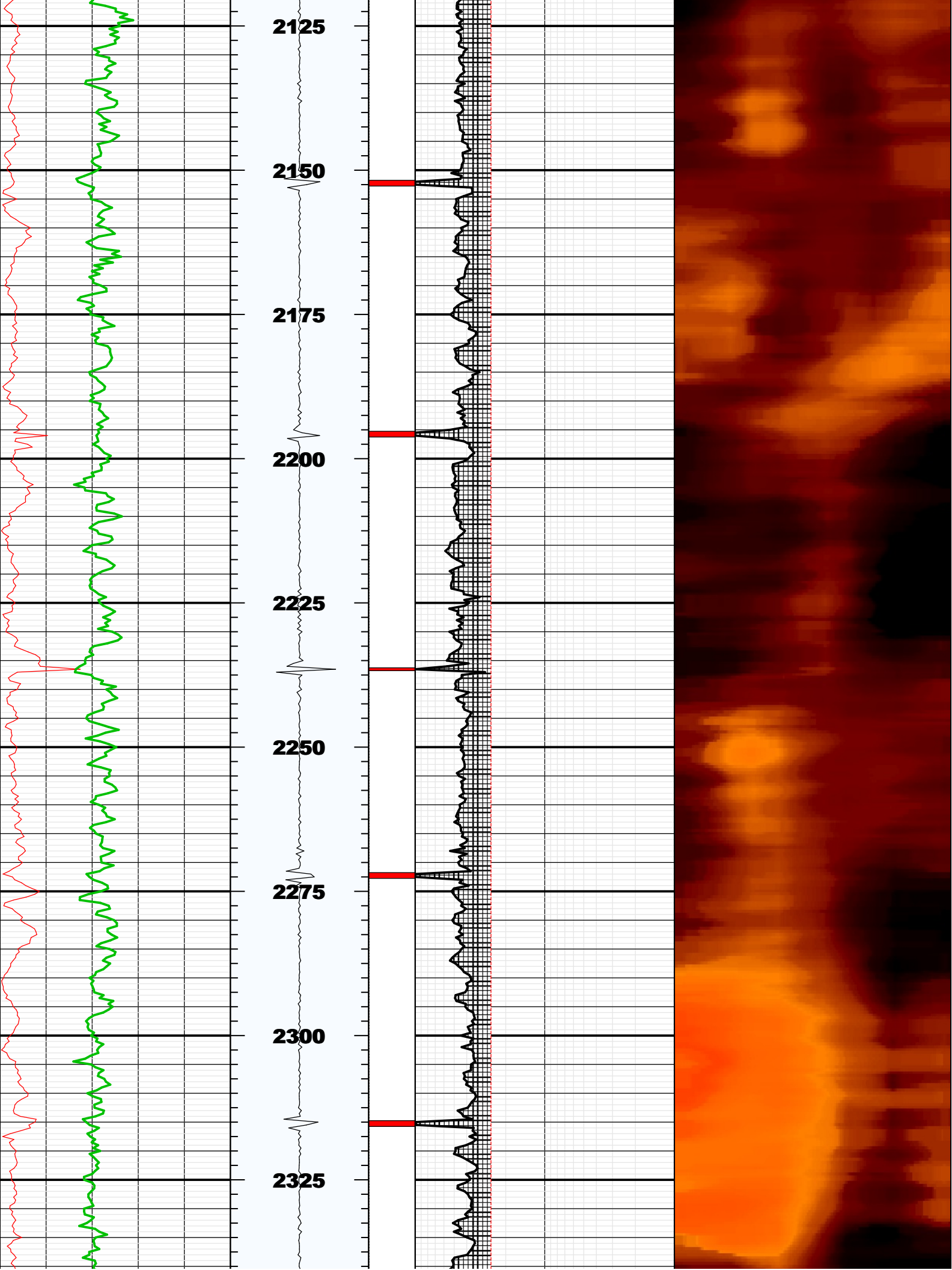


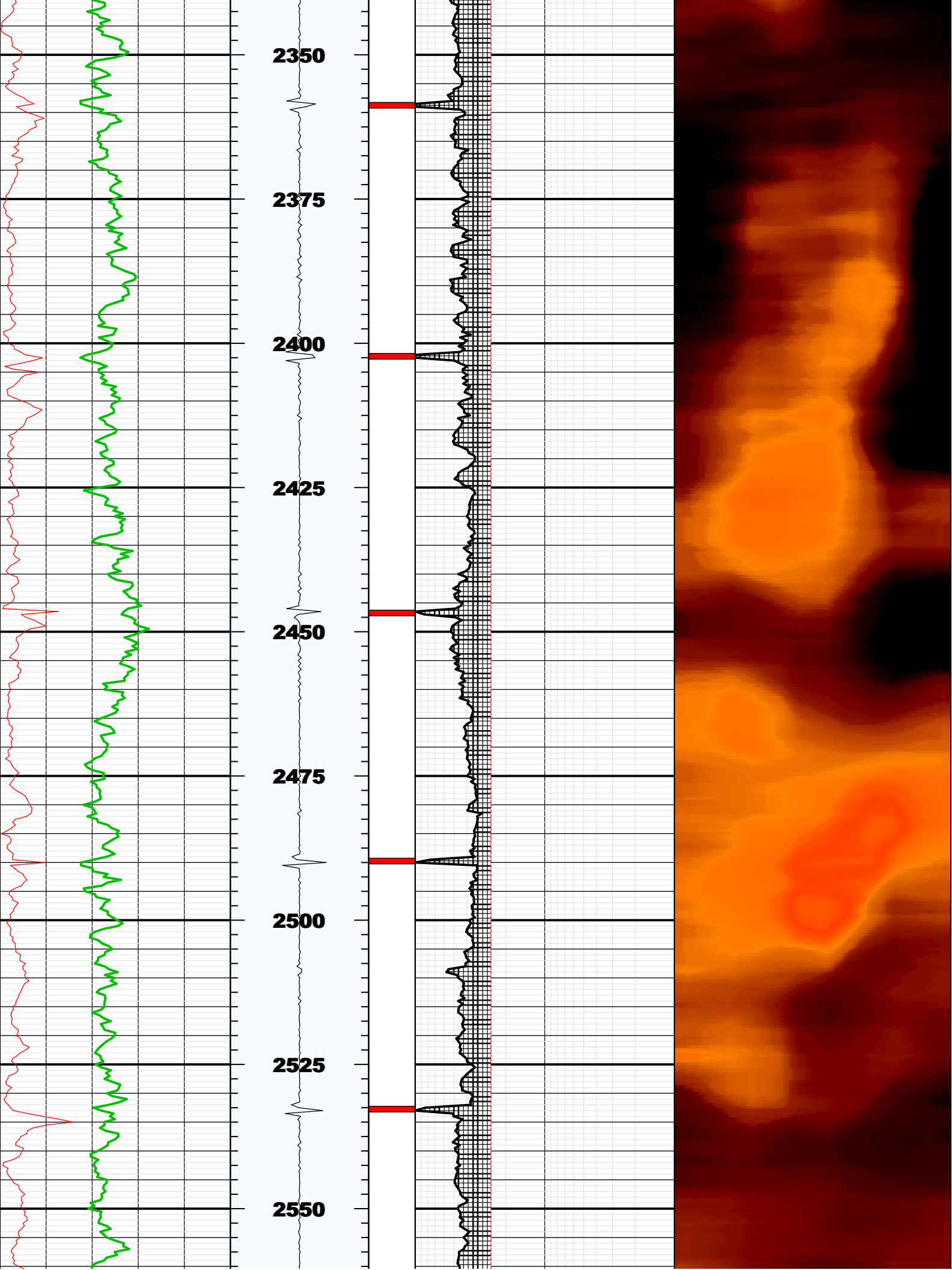


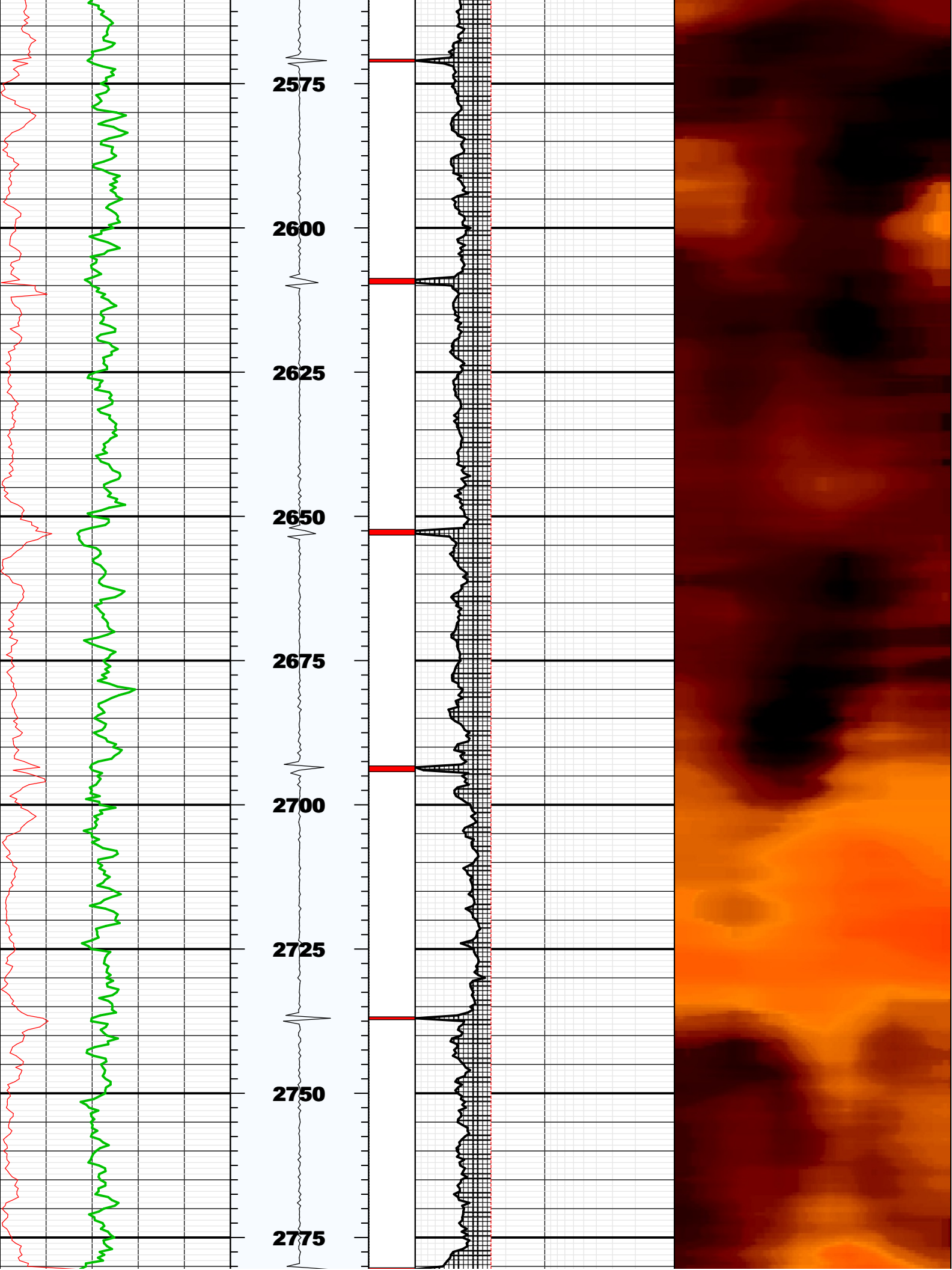


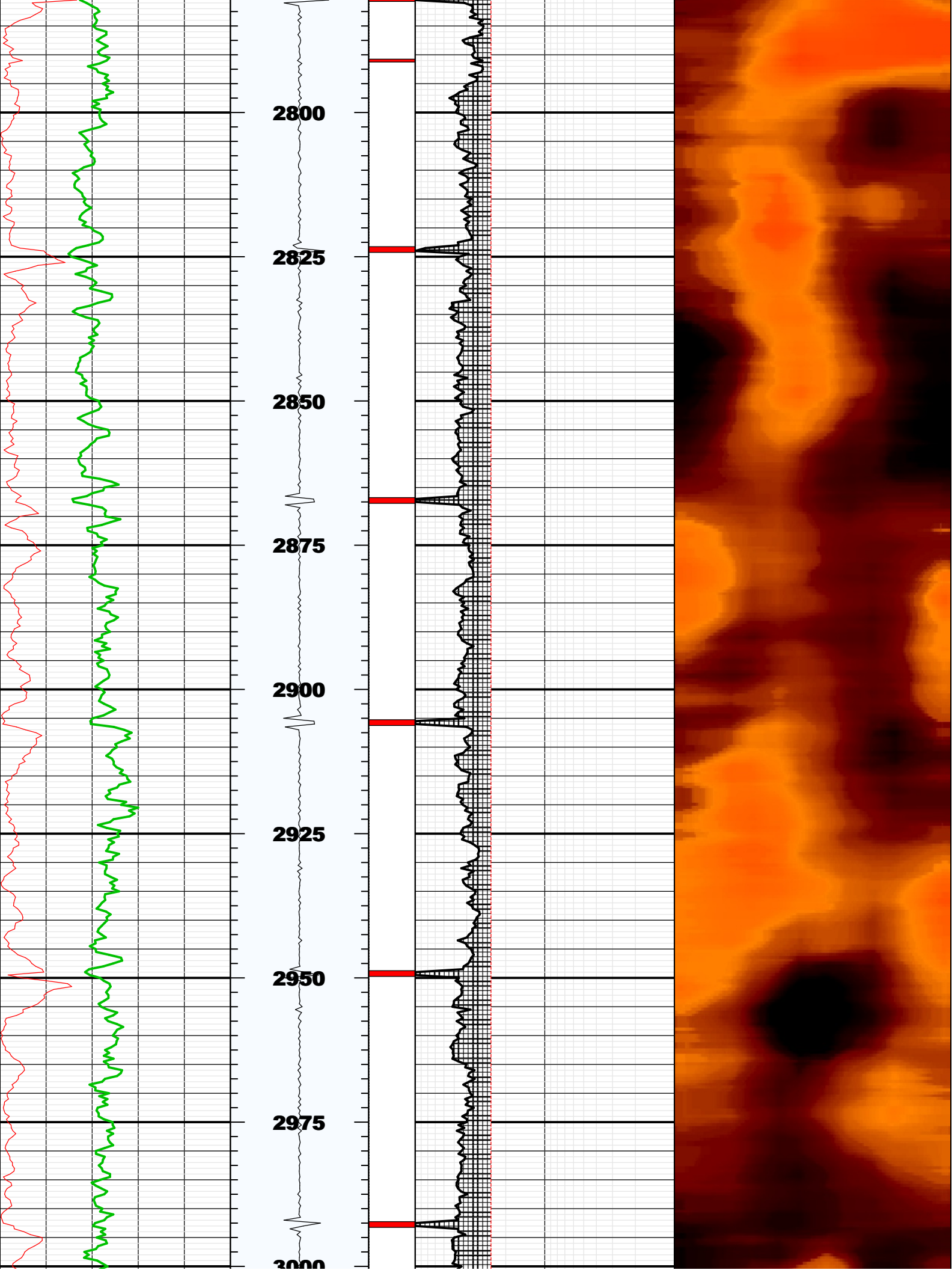


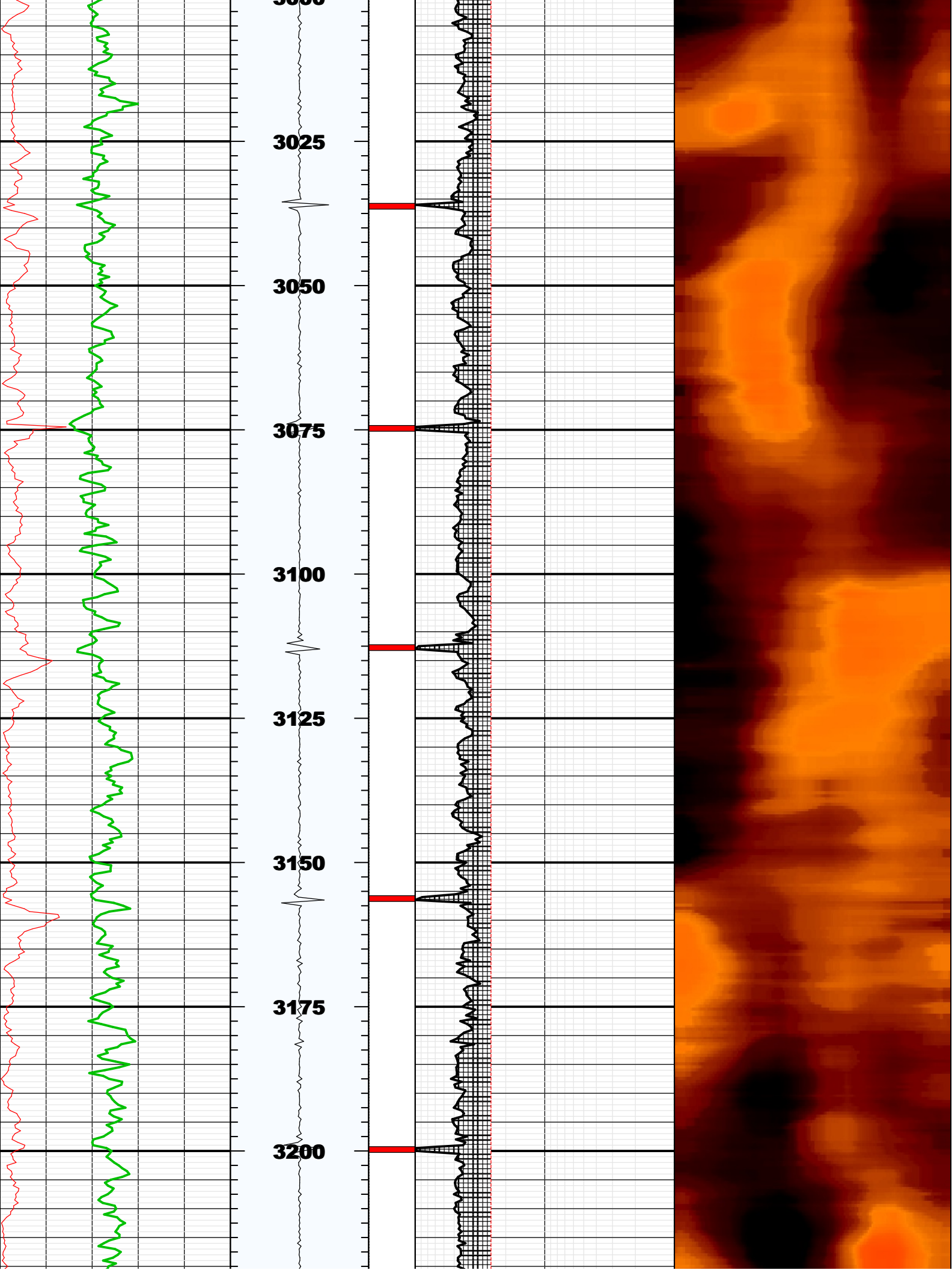


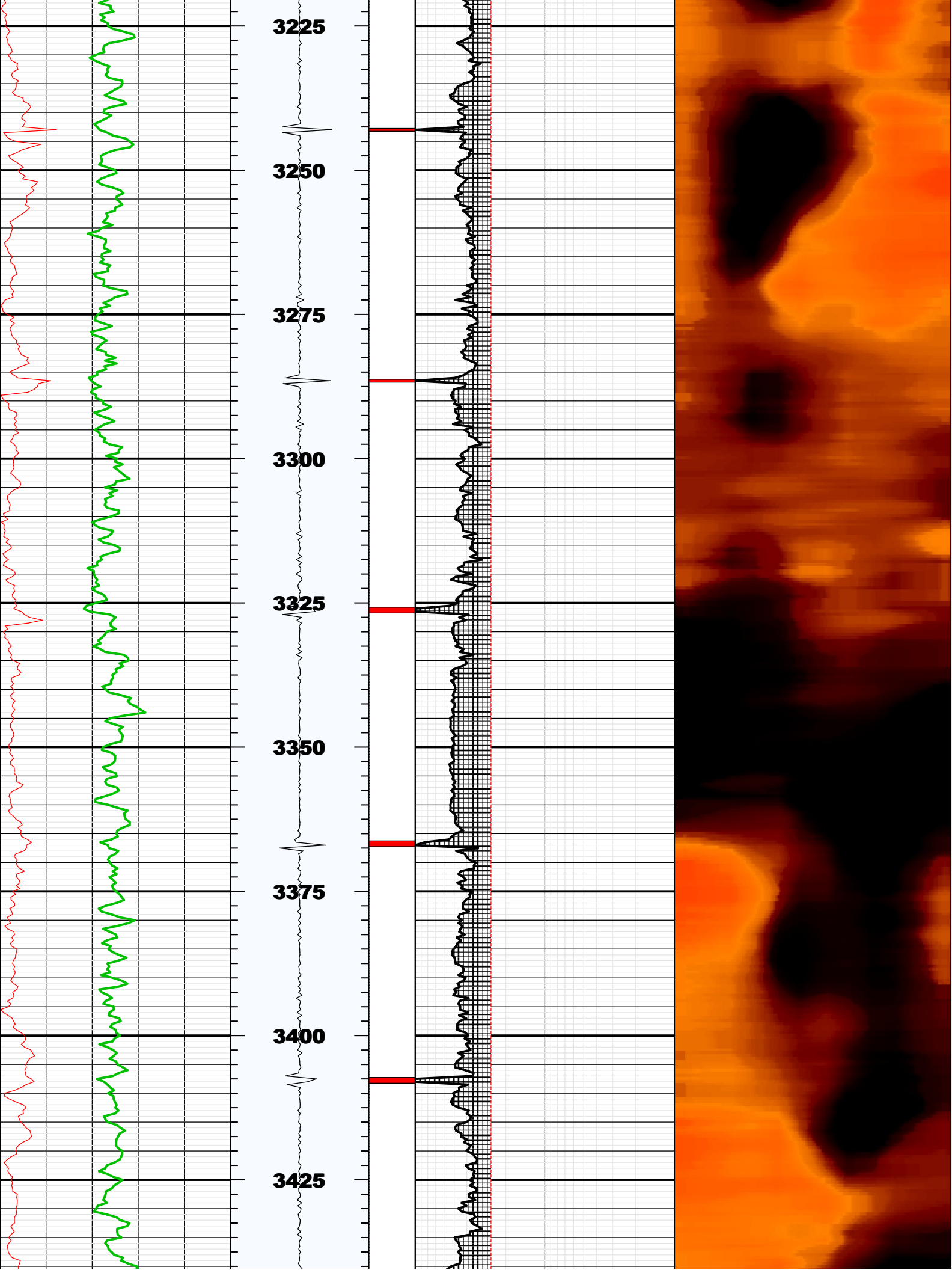


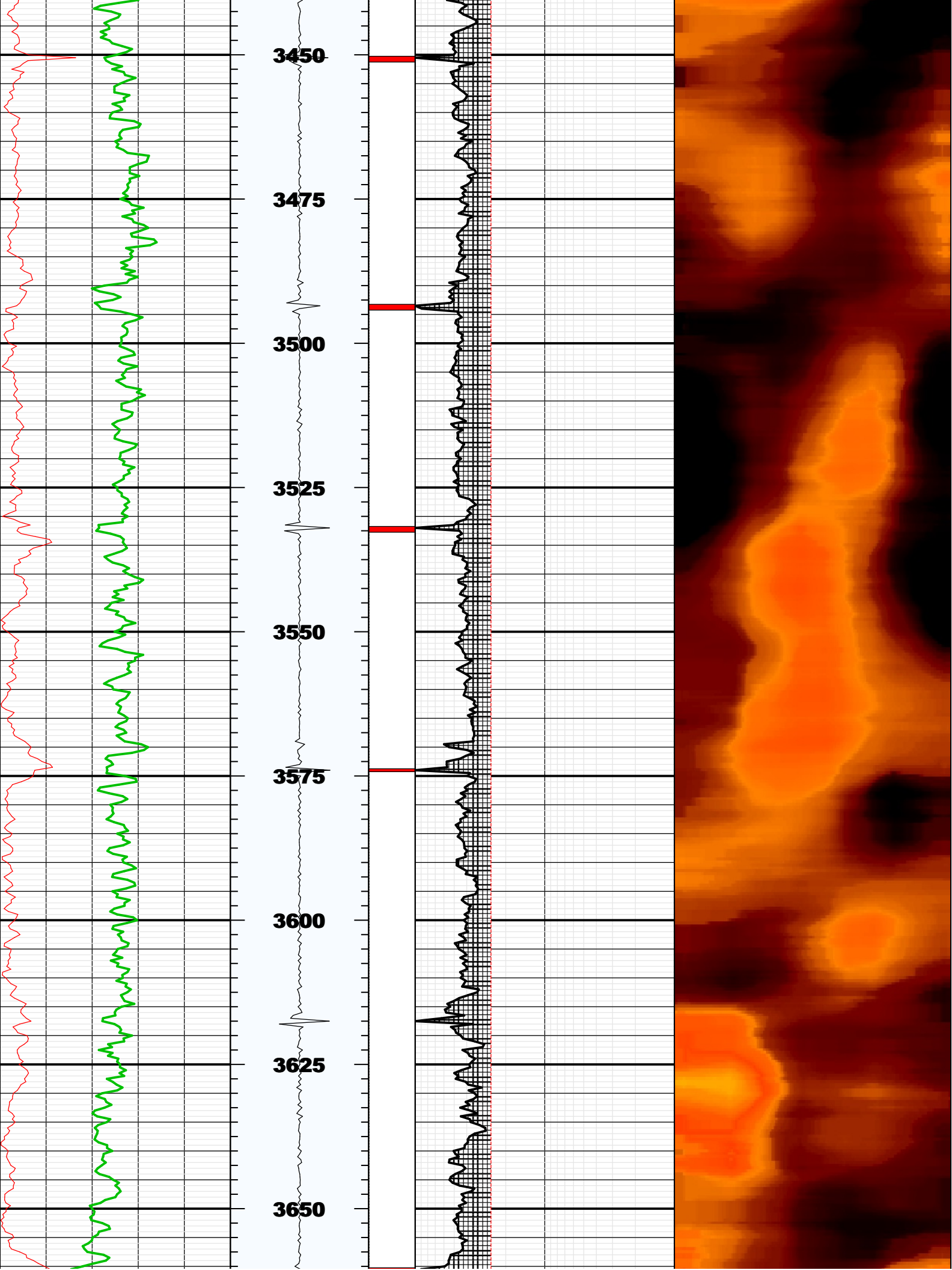


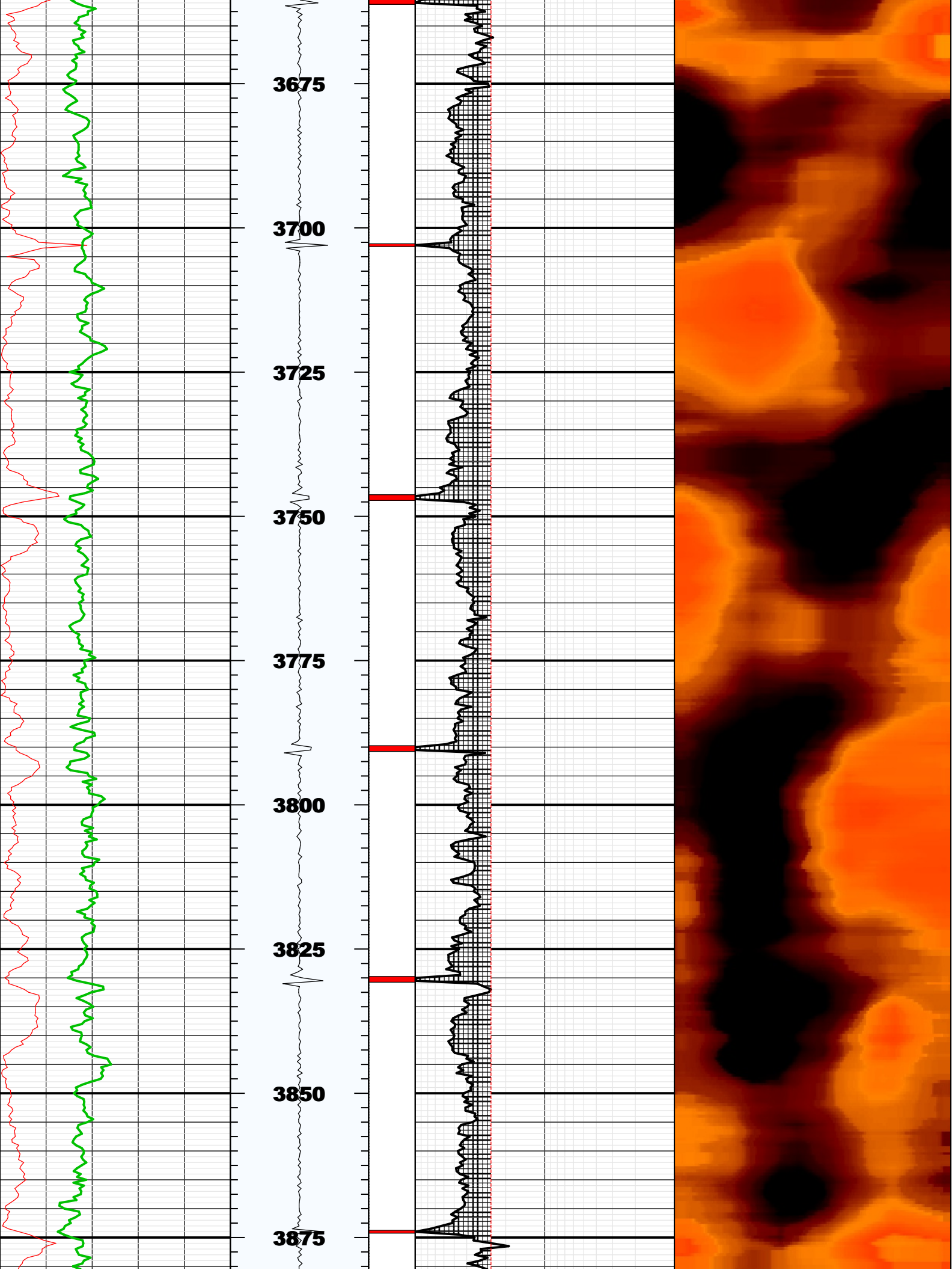


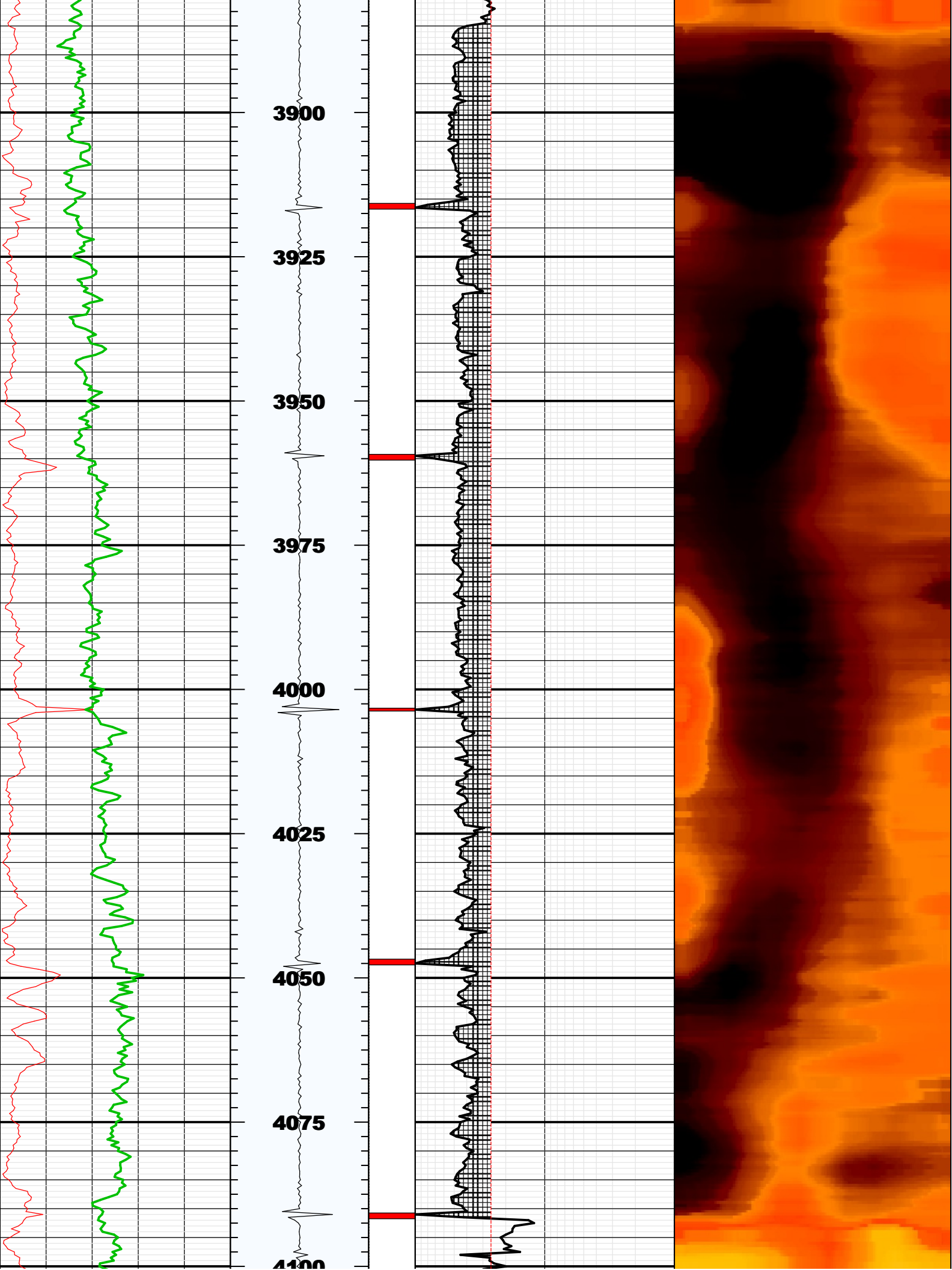


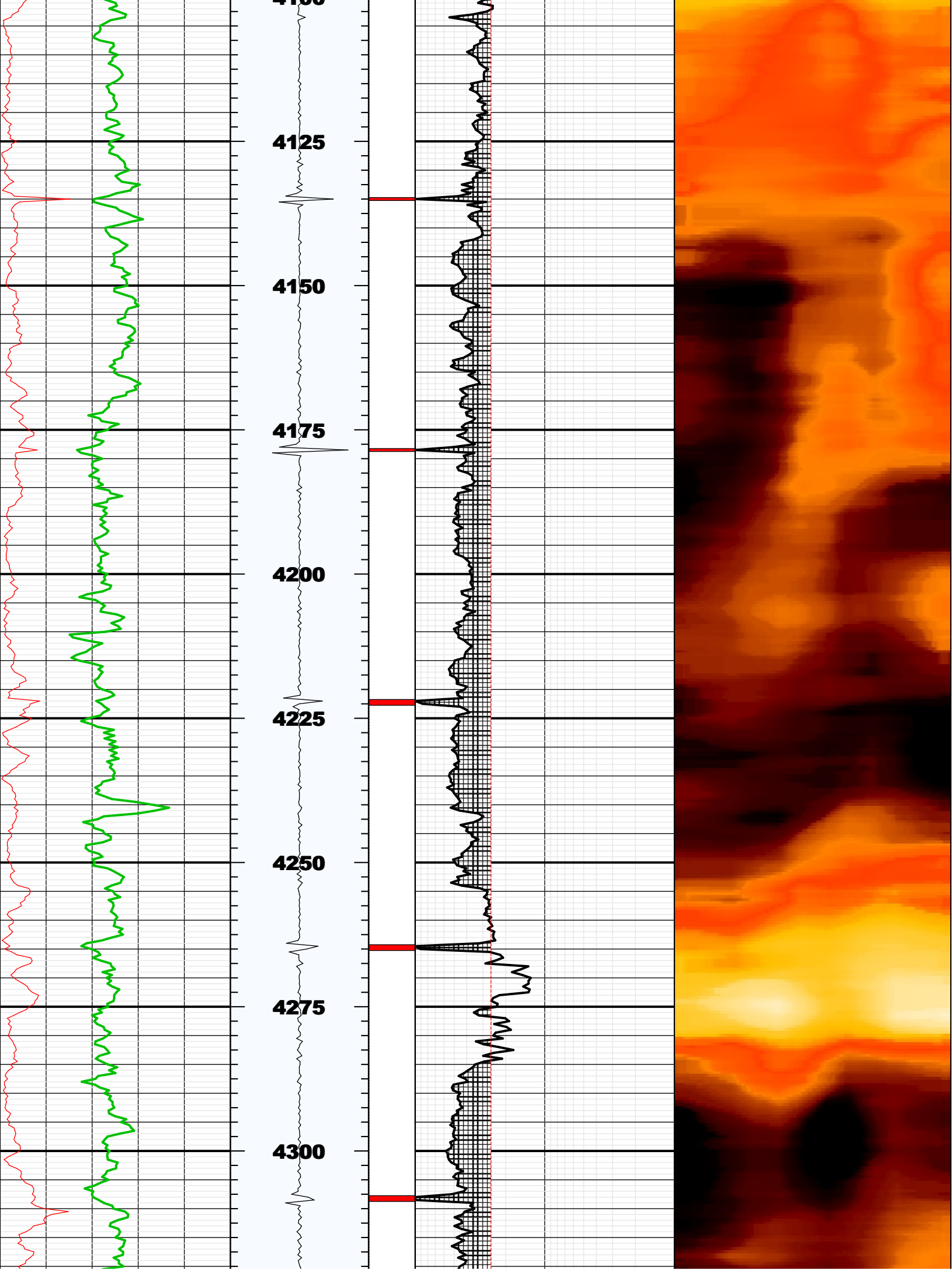


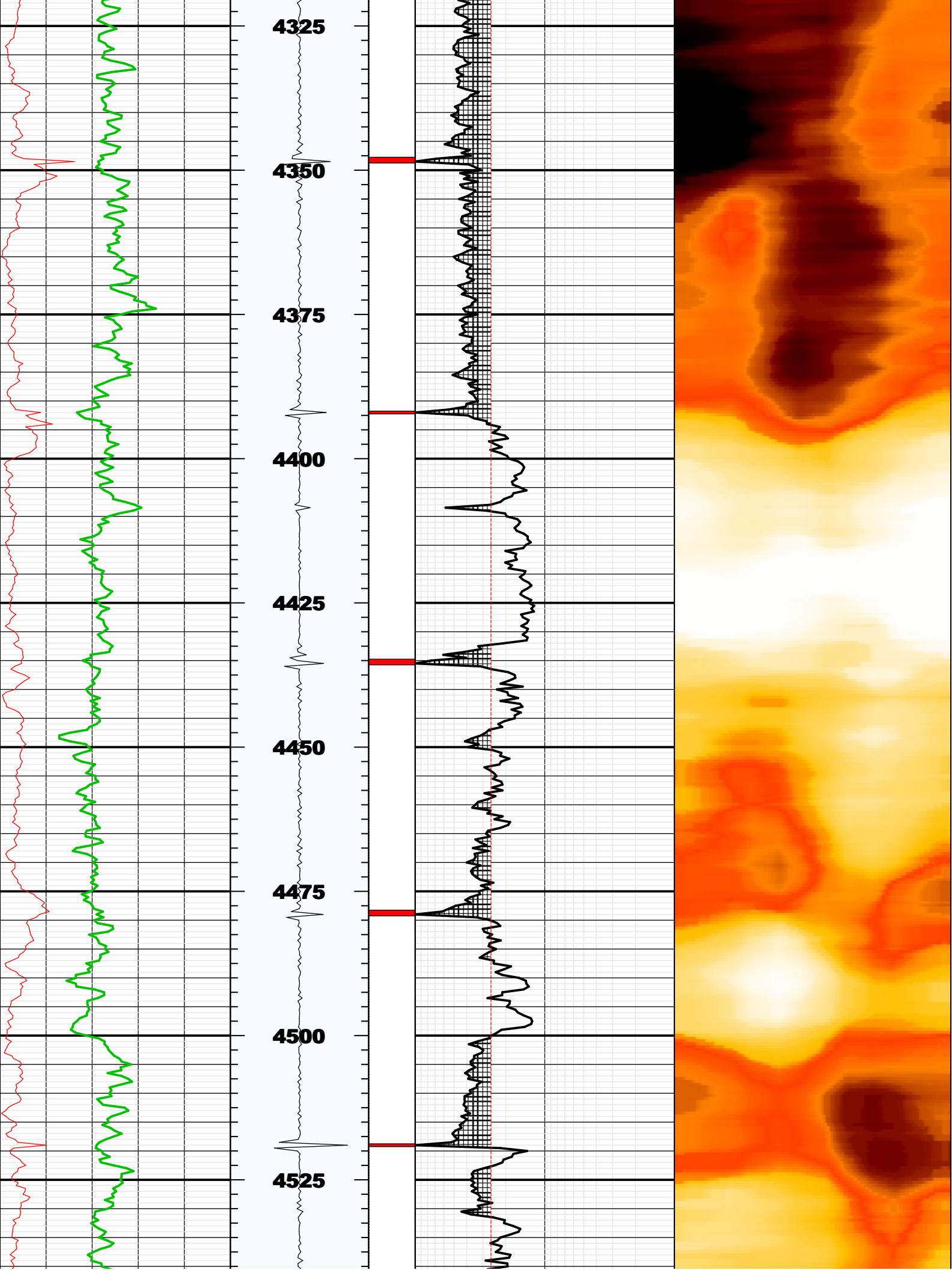


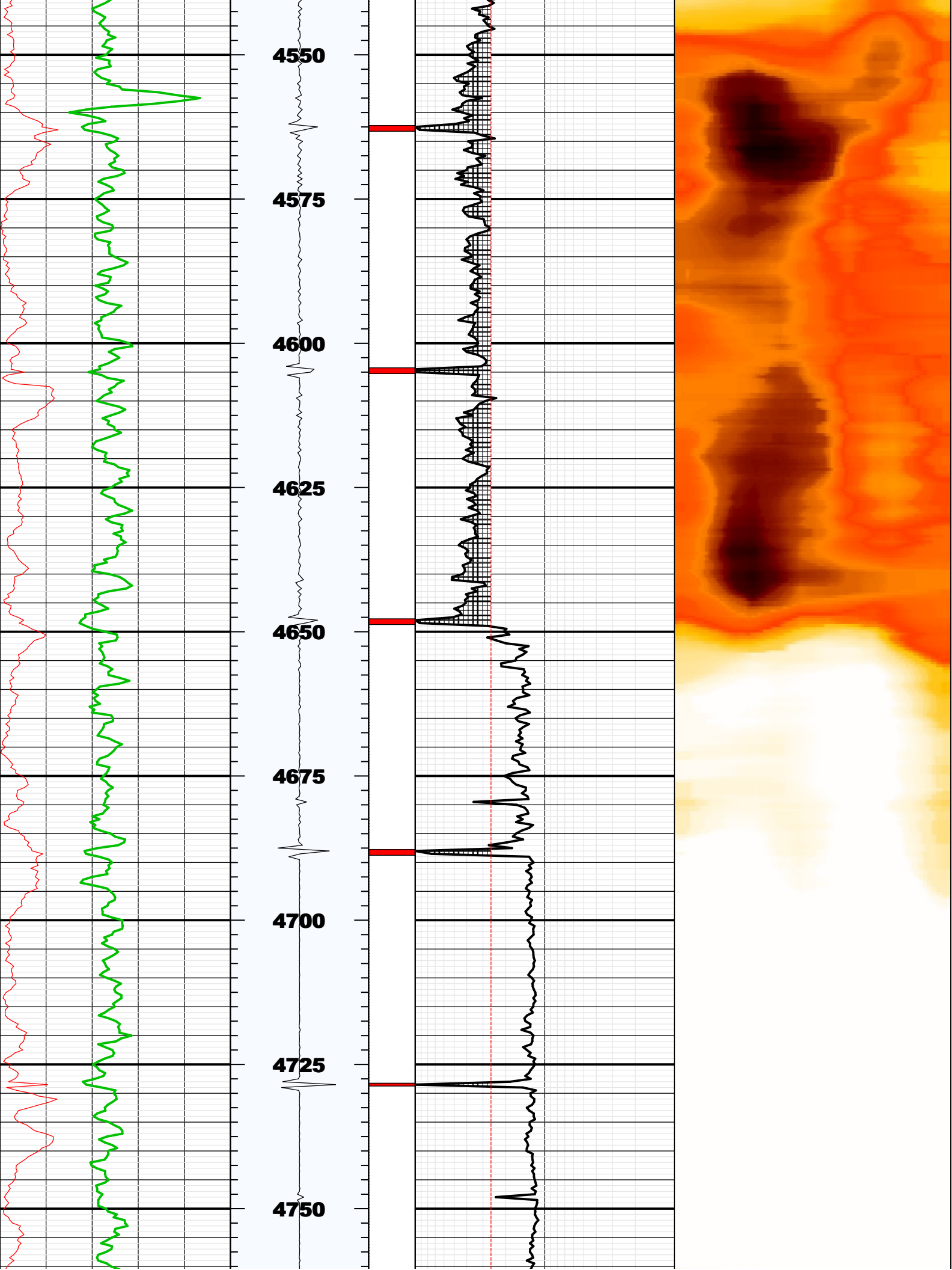


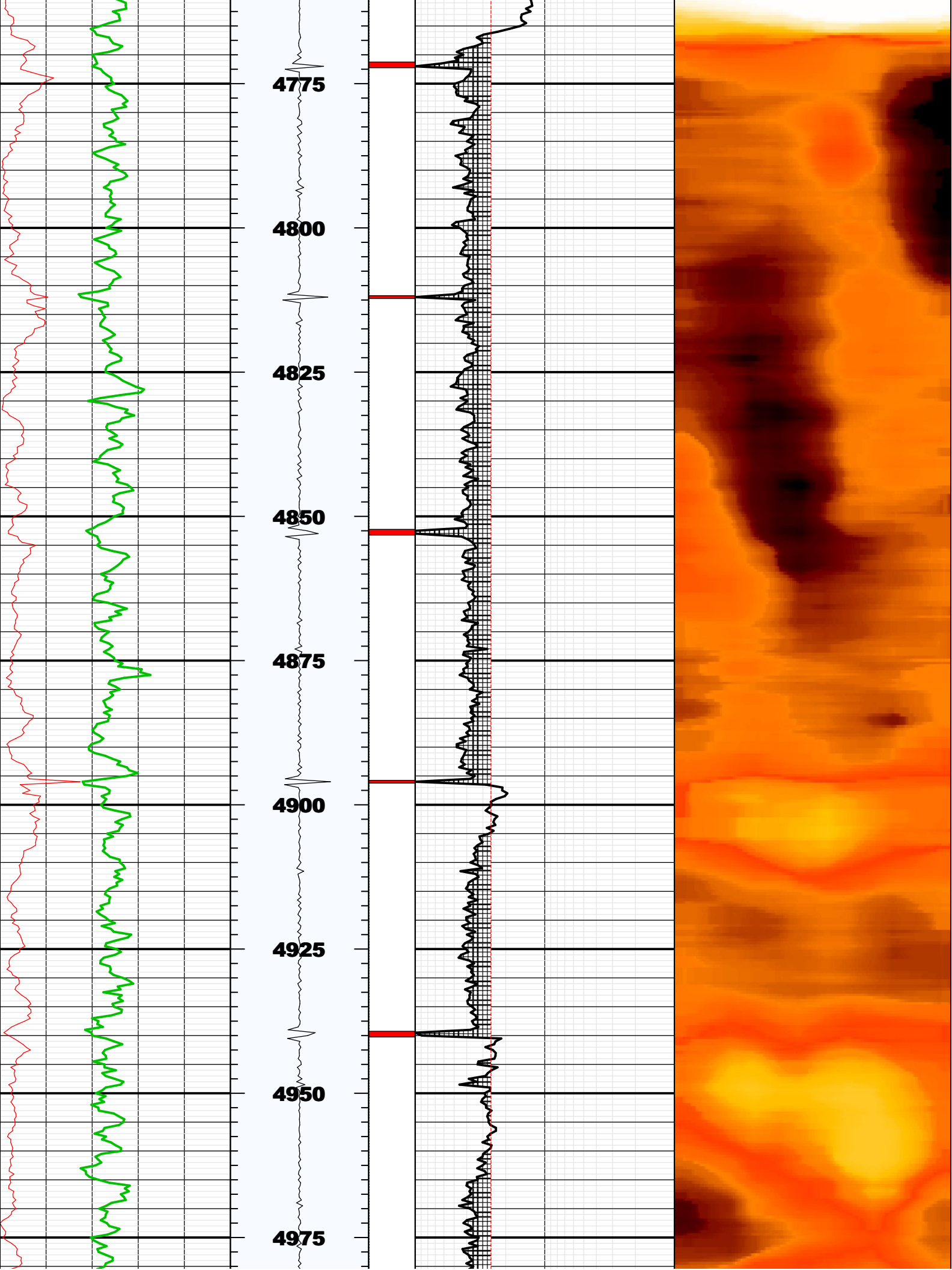


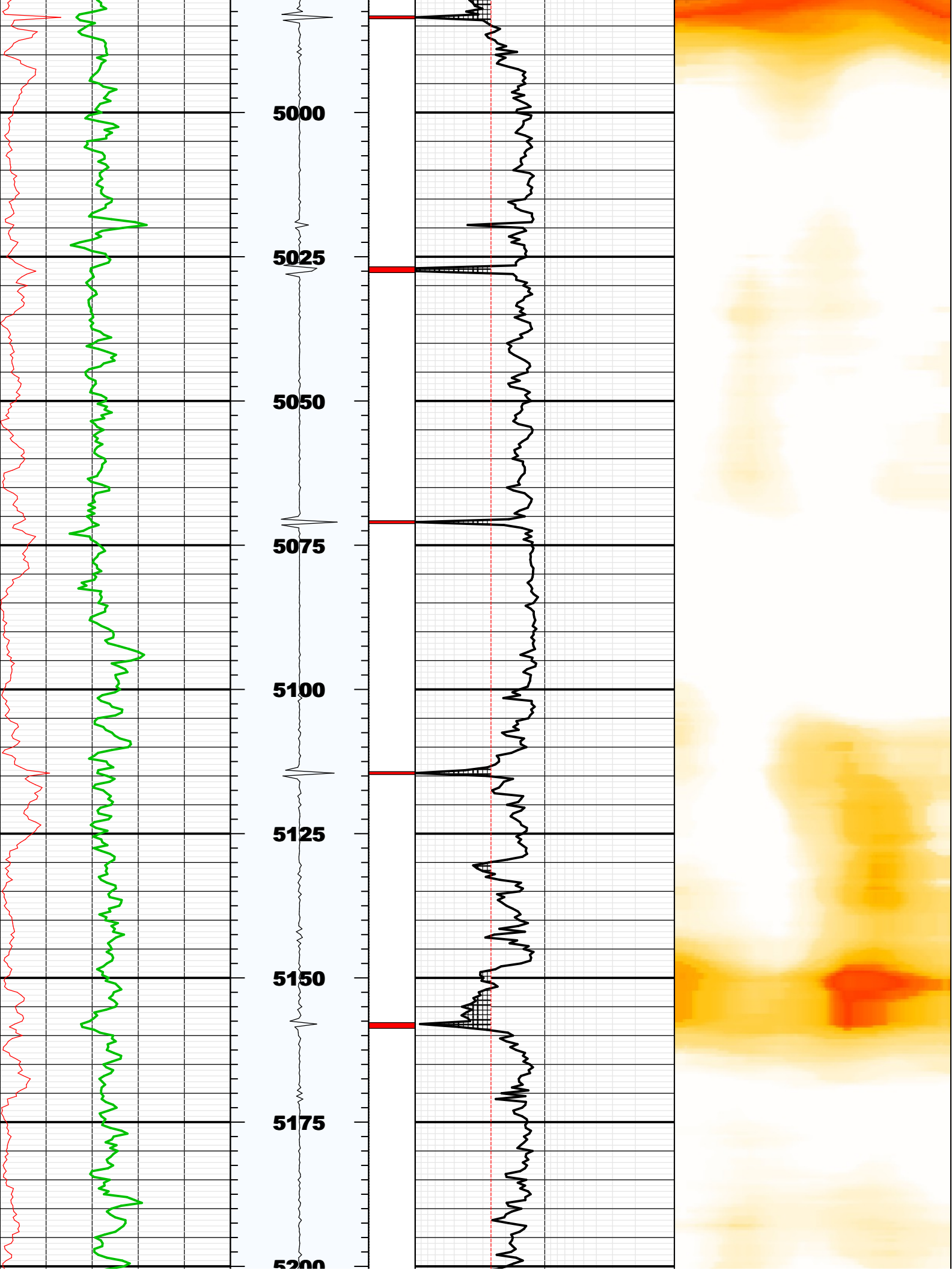


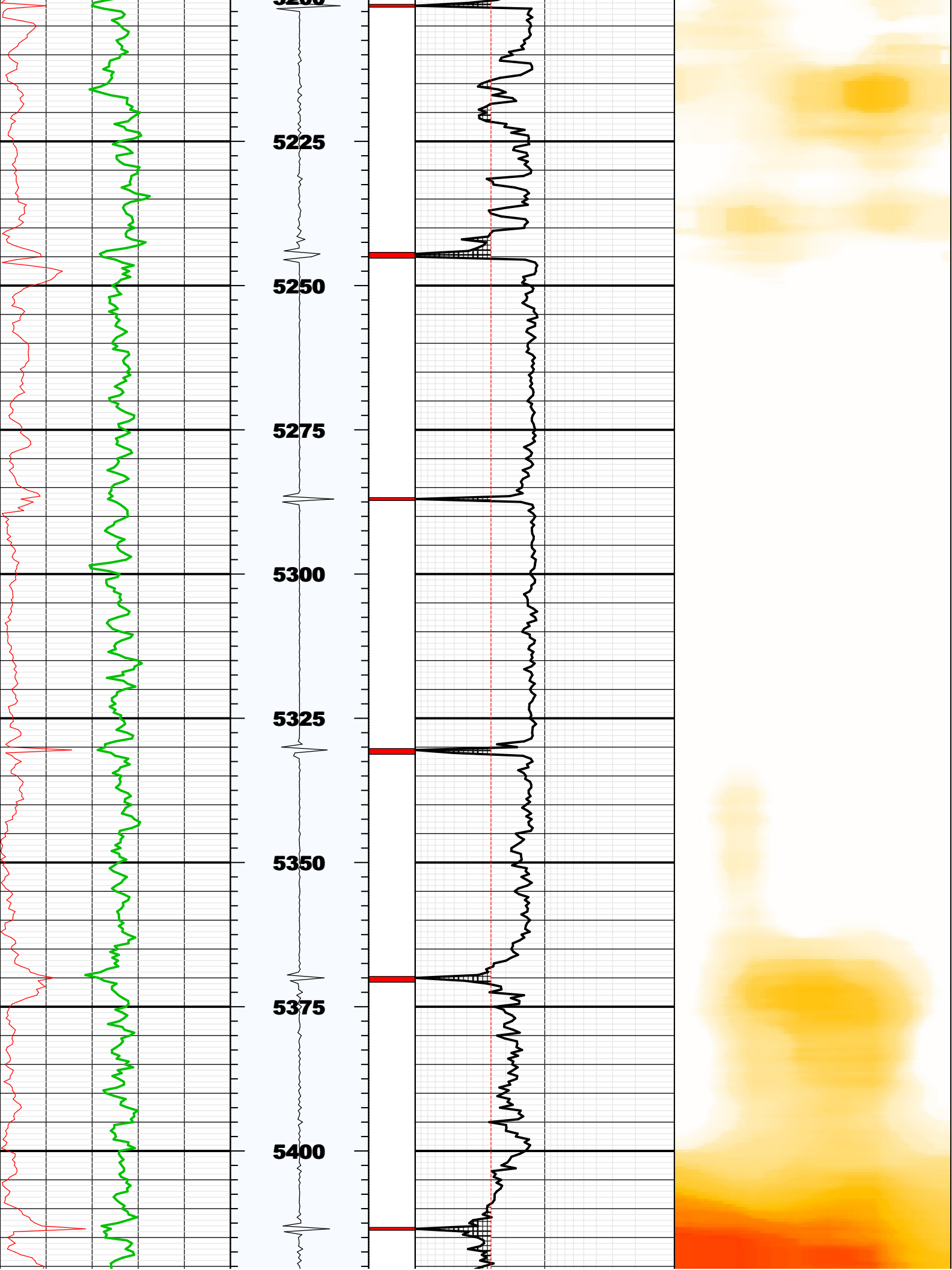


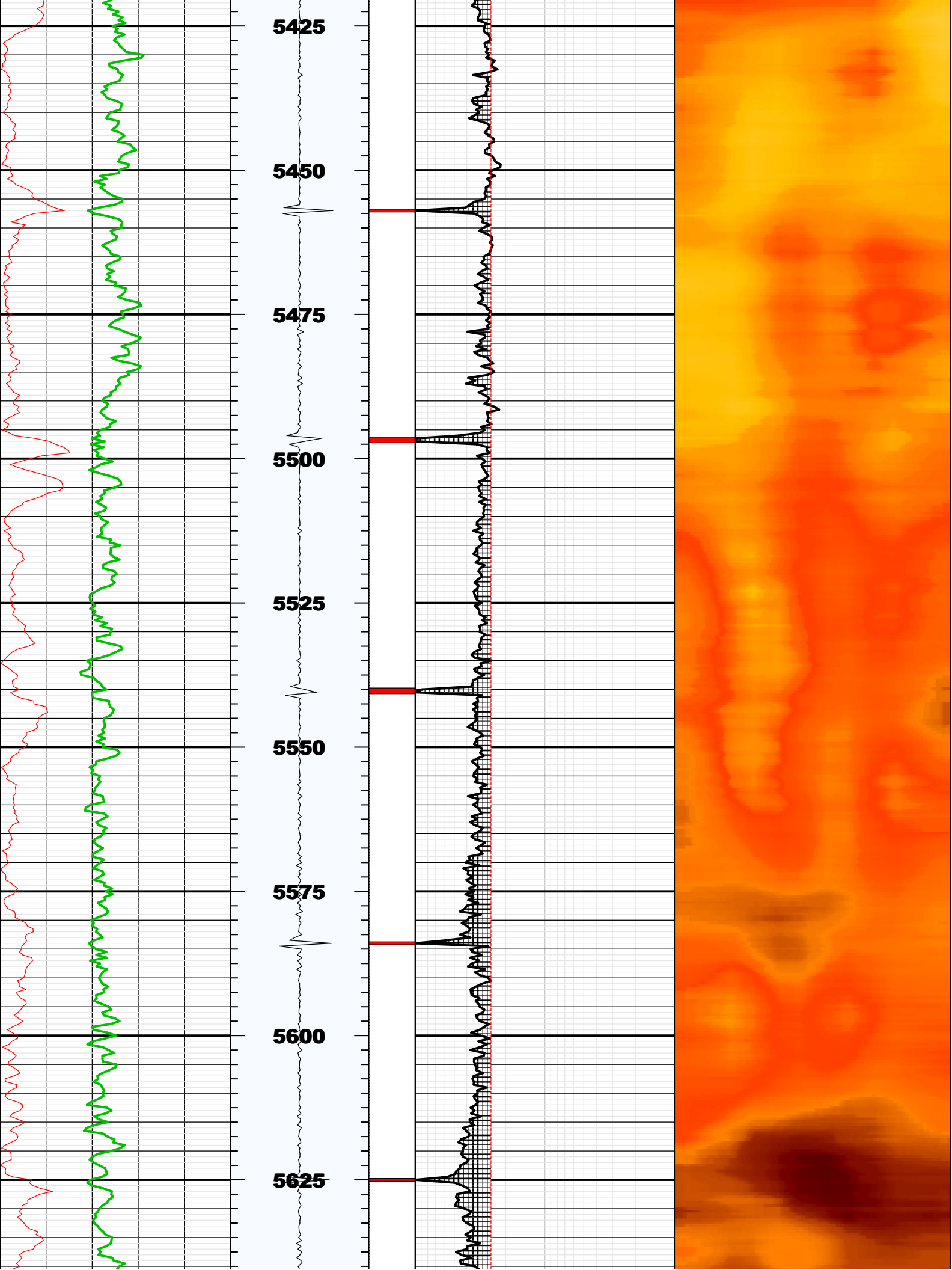


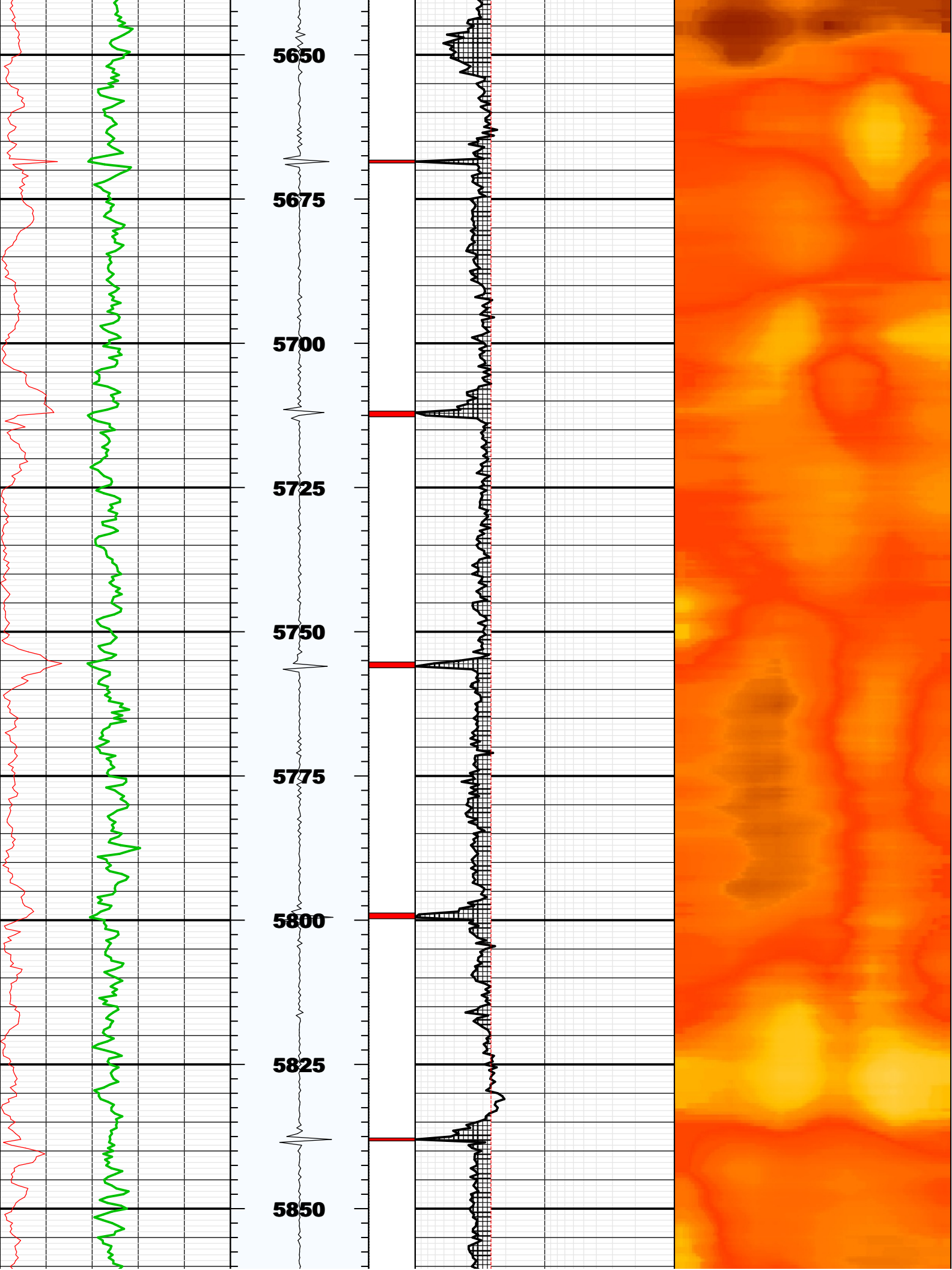


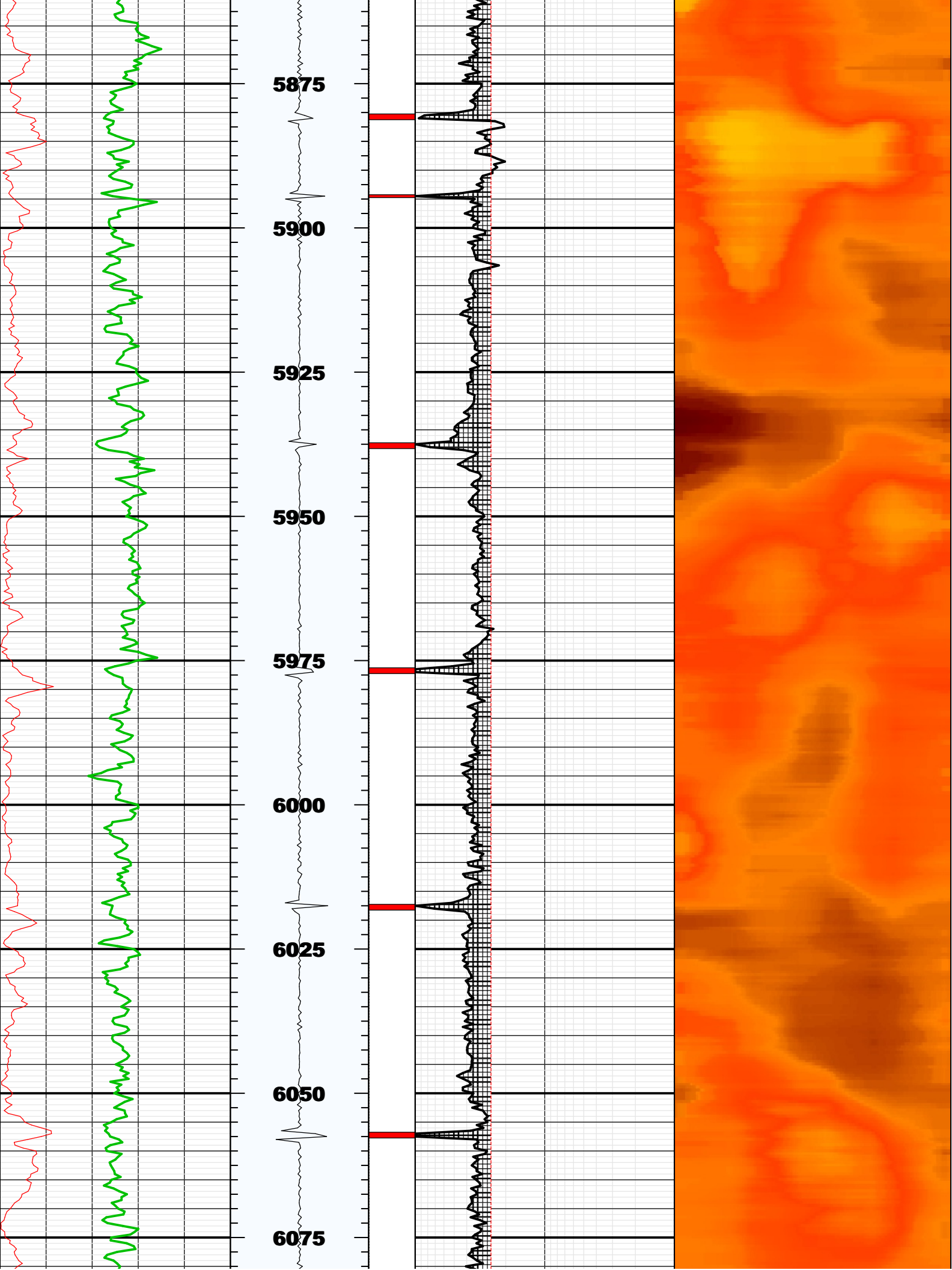


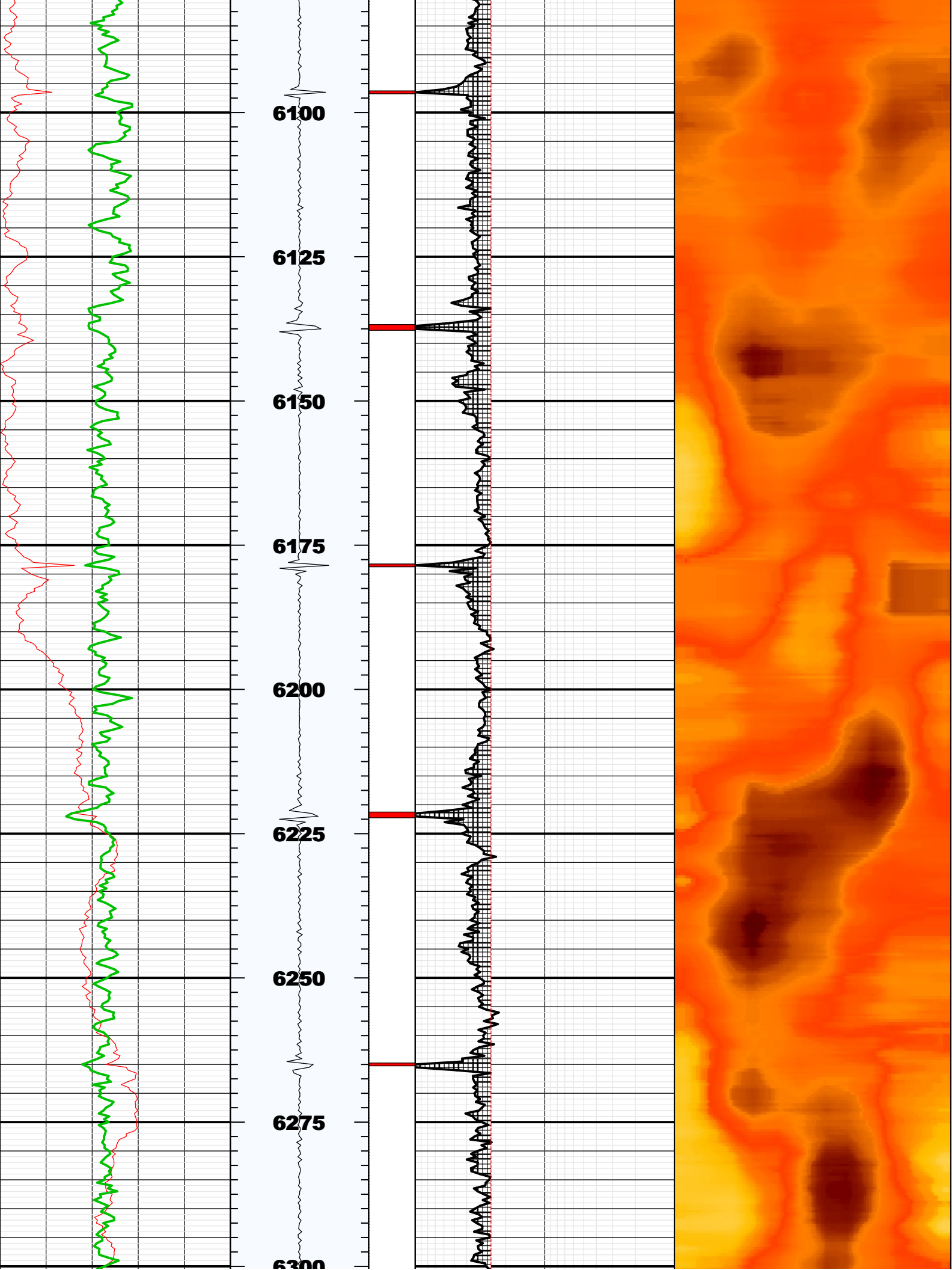


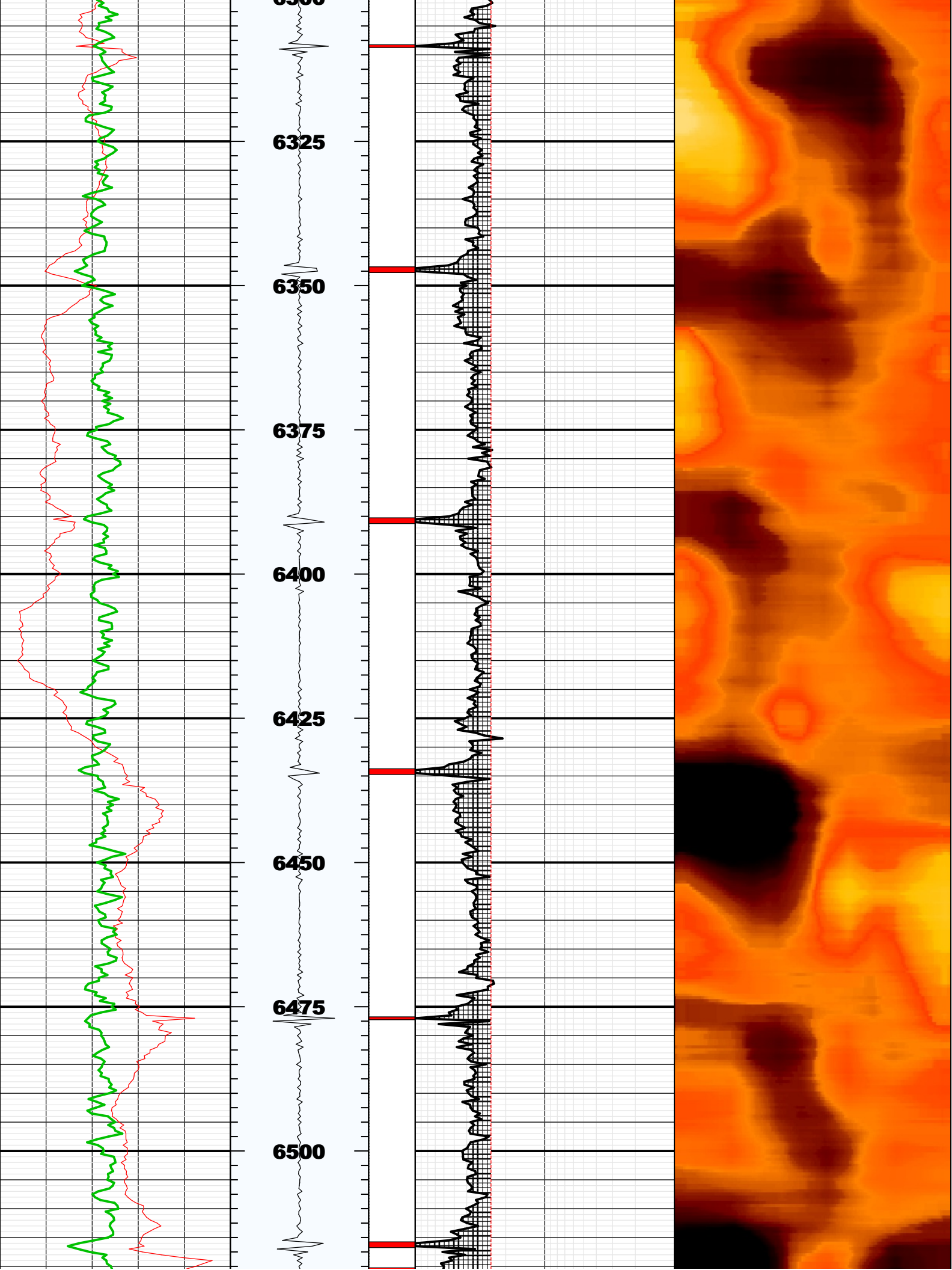


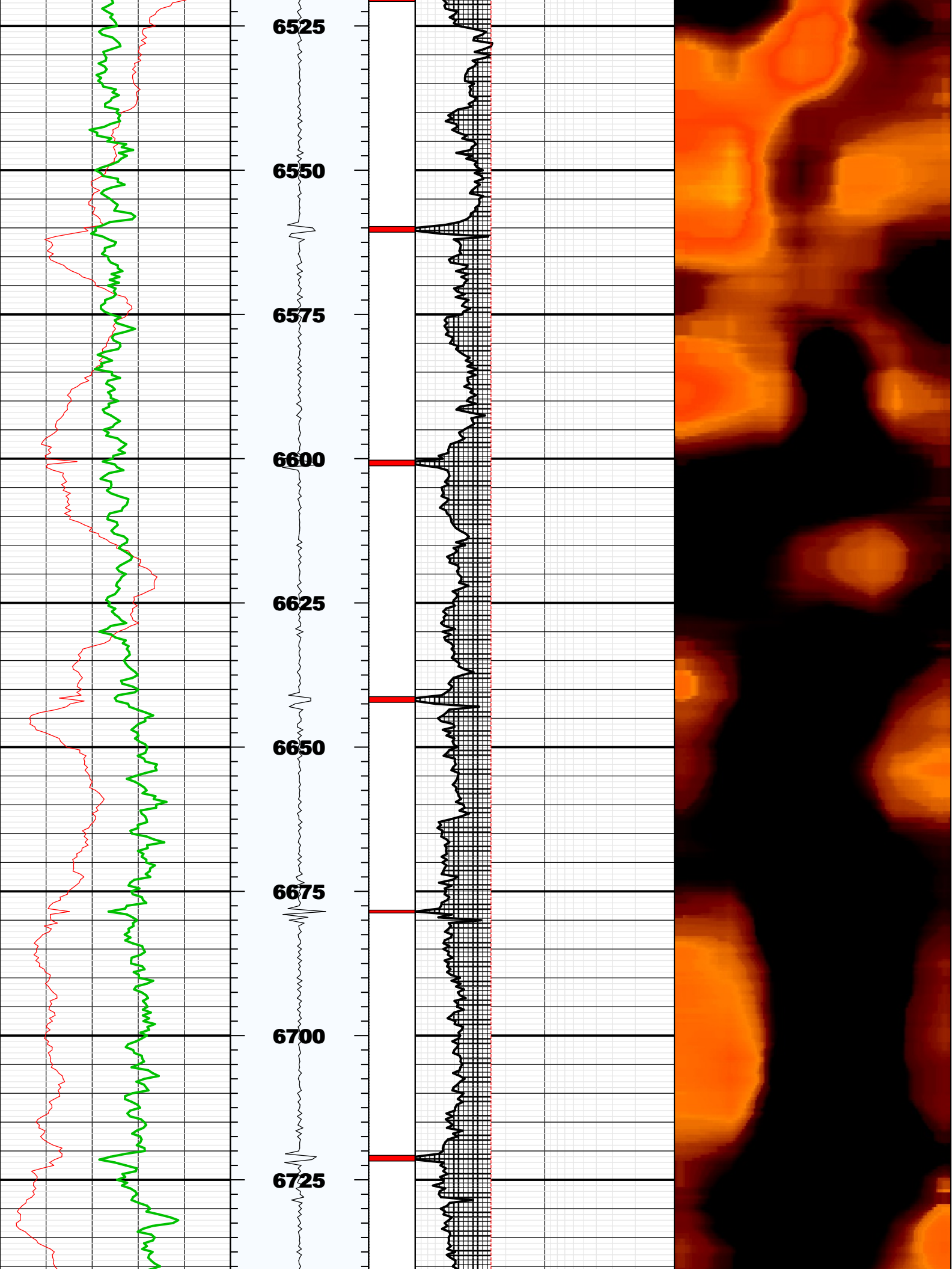


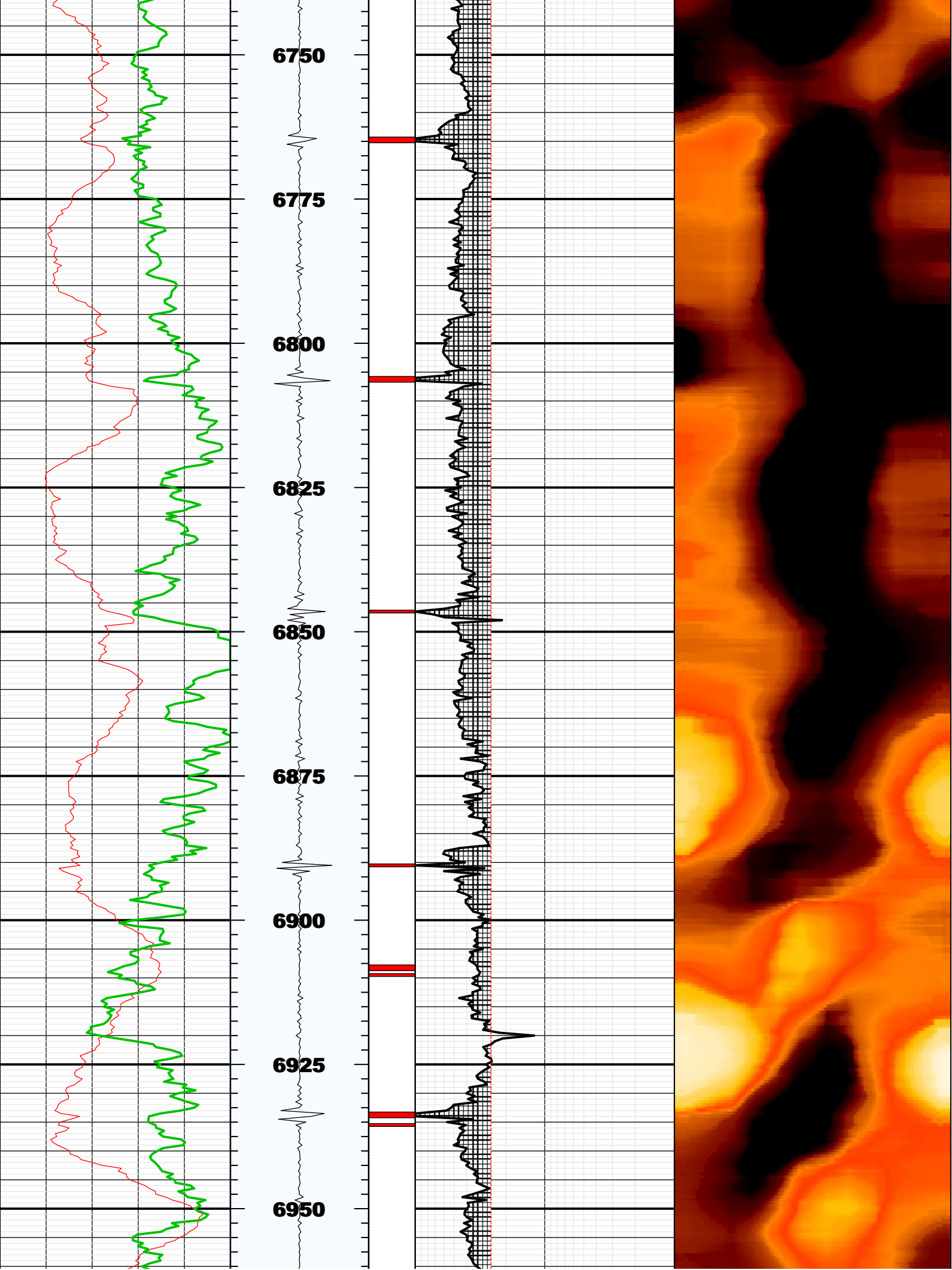


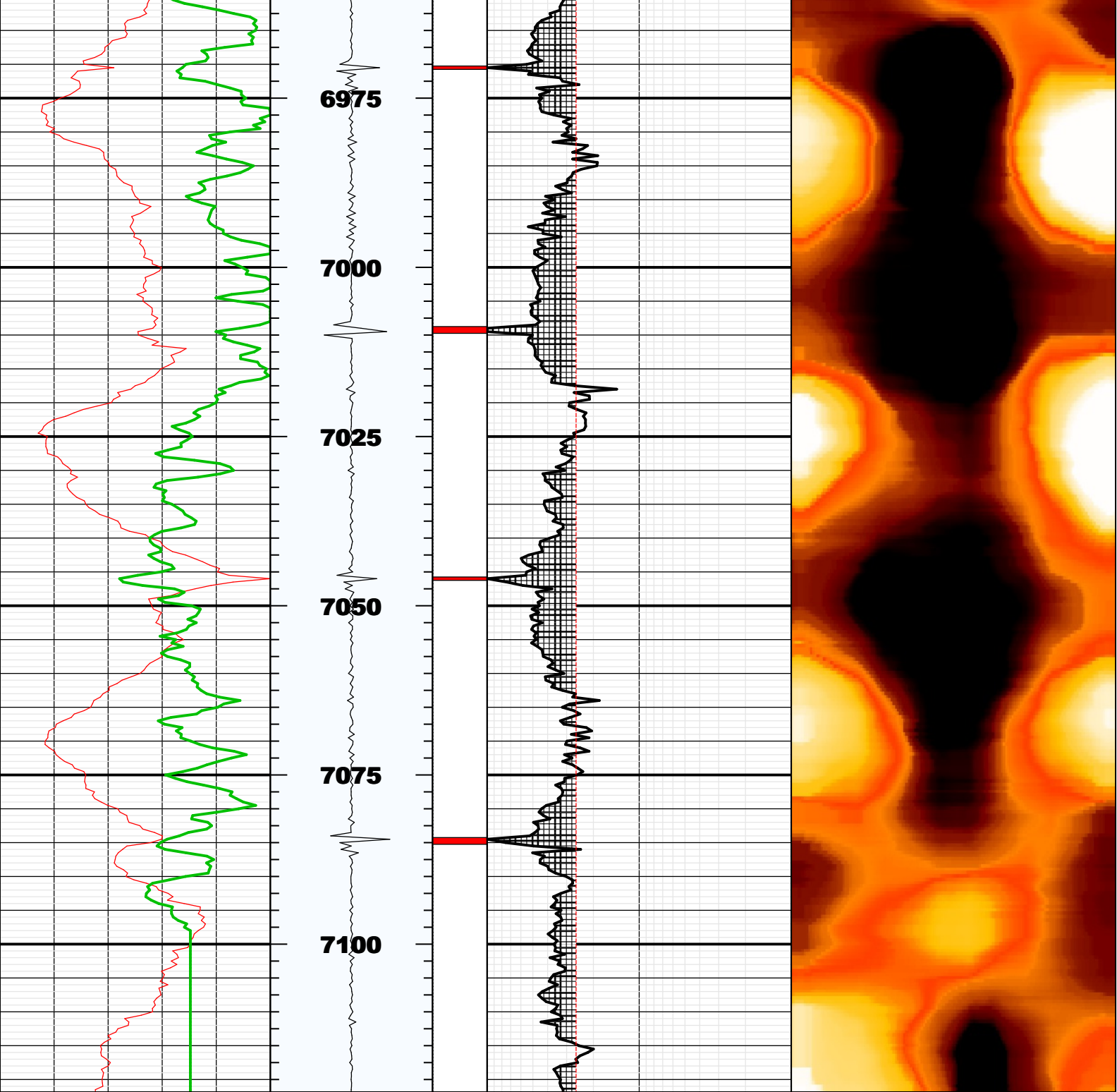








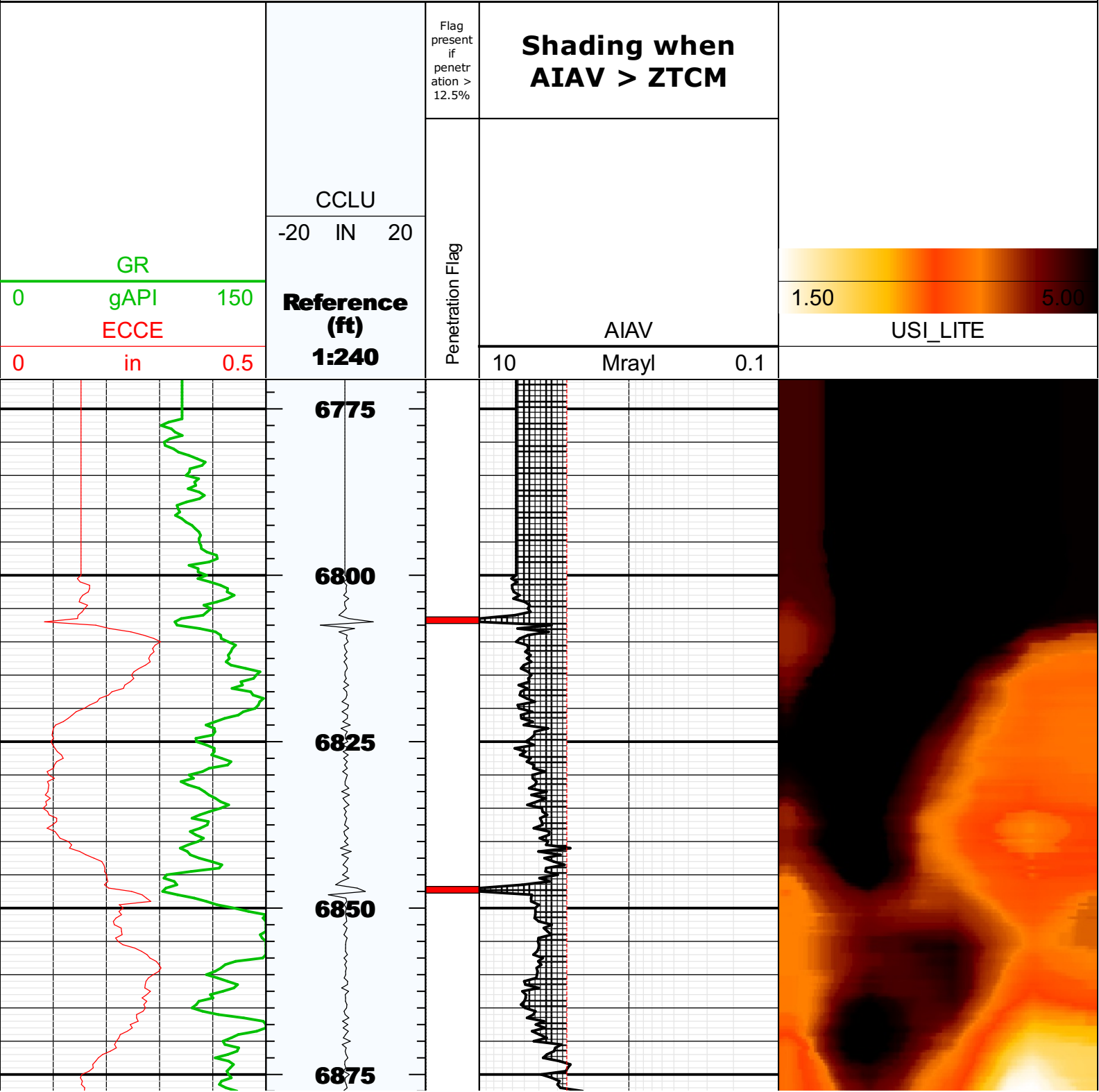


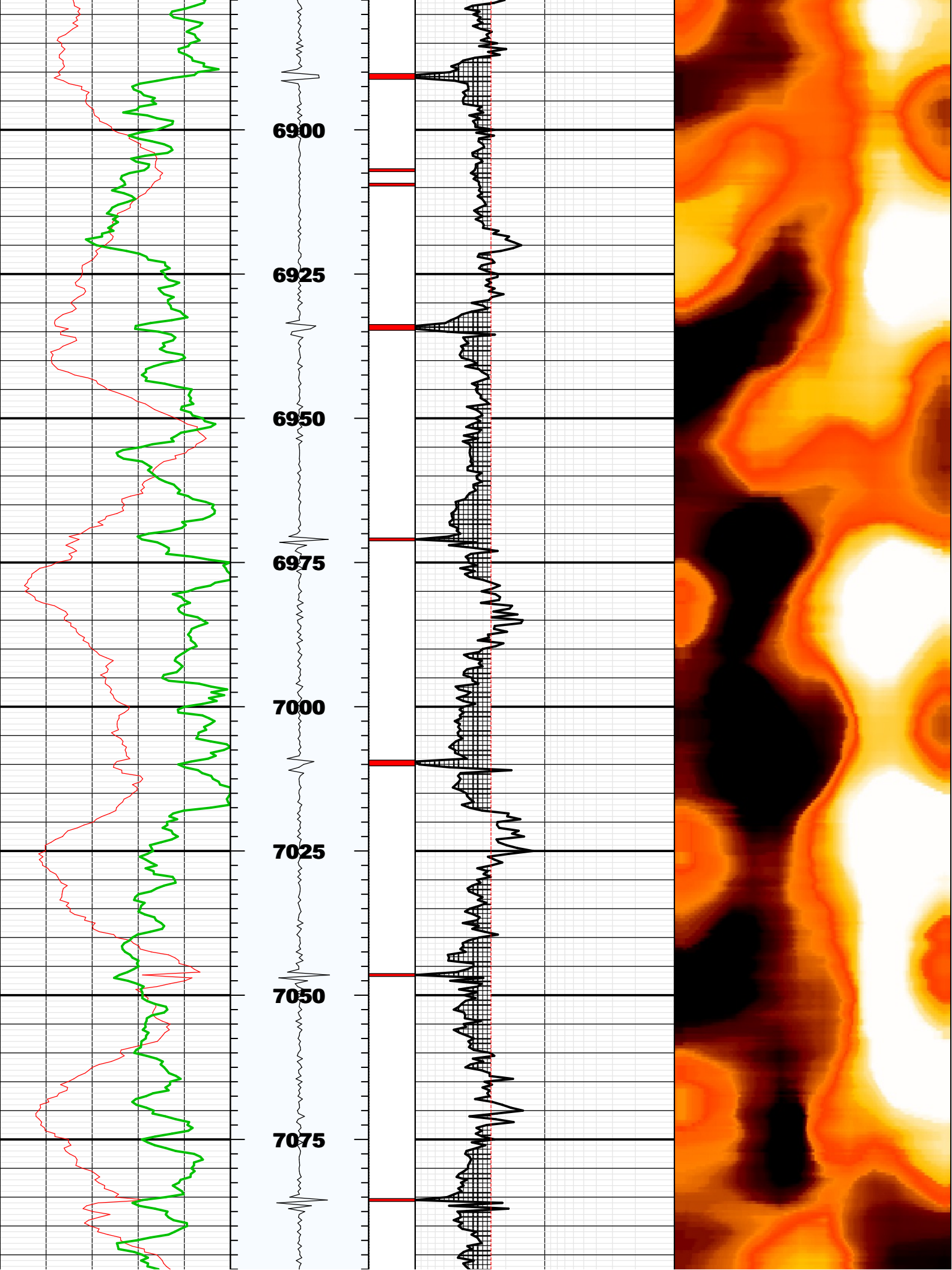


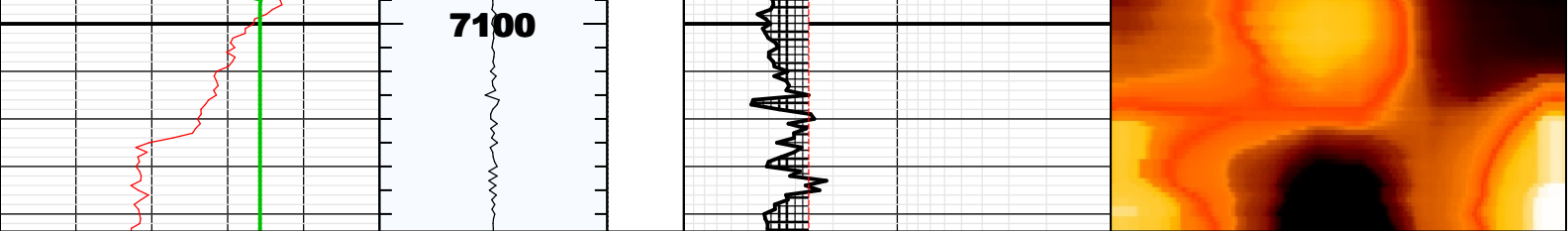
BS	8.75000	IN	Bit Size
CASG	P110		Casing Grade
CDIA	7.00000	IN	Casing Outer Diameter
CSID			
CSIZ	7.00000	IN	Current Casing Size
CWEI	26.00000	LB/F	Casing Weight
DFD	8.40000	LB/G	Drilling Fluid Density
DFVL	206.00000	US/F	Default Fluid Velocity
DO			
DOT	2.87400	IN	Diameter of Transducer Sensor
EMXV	53	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	30.99597	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	2.00000	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

Company: Noble Energy Inc
Well: Eagle E14-65-1HN
Field: Greeley







Fluid Properties Used for Main Pass

