

Company: Noble Energy Inc

Well: Tina LC29-73-1HNA
Field: Wildcat
County: Weld State: Colorado

County: Weld		USI-LITE					
Field: Wildcat							
Location: SESE Sec 29 T9N R59W							
Well: Tina LC29-73-1HNA							
Company: Noble Energy Inc							
LOCATION		Permanent Datum: Log Measured From: Drilling Measured From:	GL KB KB	Elev: K.B. 4895.0 F G.L. 4865.0 F D.F. 4894.0 F			
API Serial No. 05-123-38618-0000					Section 29	Township 9N	Range 59W
Logging Date 03-Jul-2014							
Run Number Run 1							
Depth Driller 6439.0 F							
Schlumberger Depth 6439.0 F							
Bottom Log Interval 6300.0 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 645.0 F							
To 6439.0 F							
Casing Size 7.00 IN							
Weight 26.00 LB/F							
Grade P110							
From 30.0 F							
To 6429.0 F							
Max Recorded Temp 219.0							
Logger on bottom (date) 03-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: 1109 Calibration Date: Calibrator Serial Number: Number Of Calibration Points: Calibration RMS: Calibration Peak Error:	Serial Number: Length: 12000.00000

DISCLAIMER

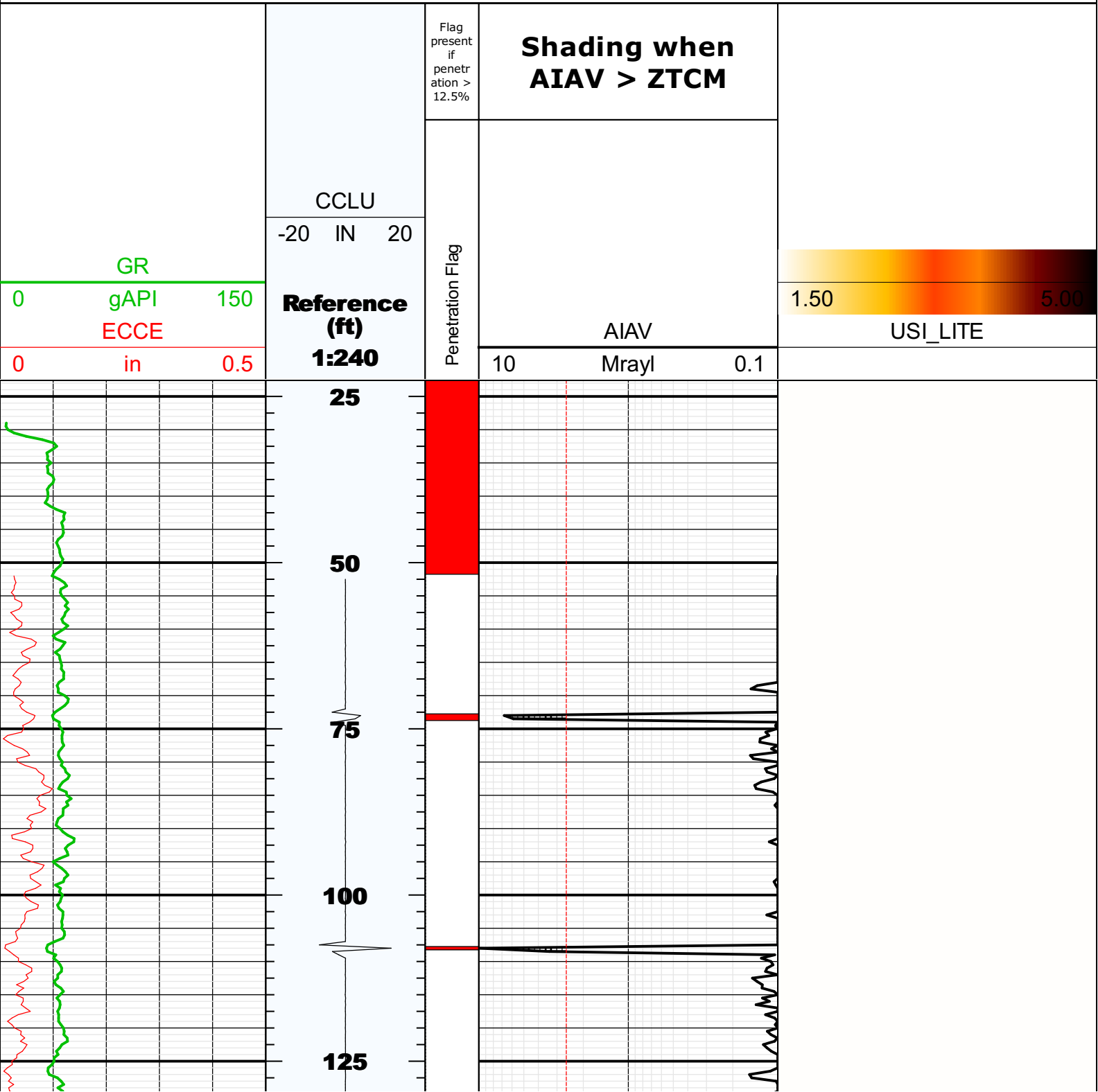
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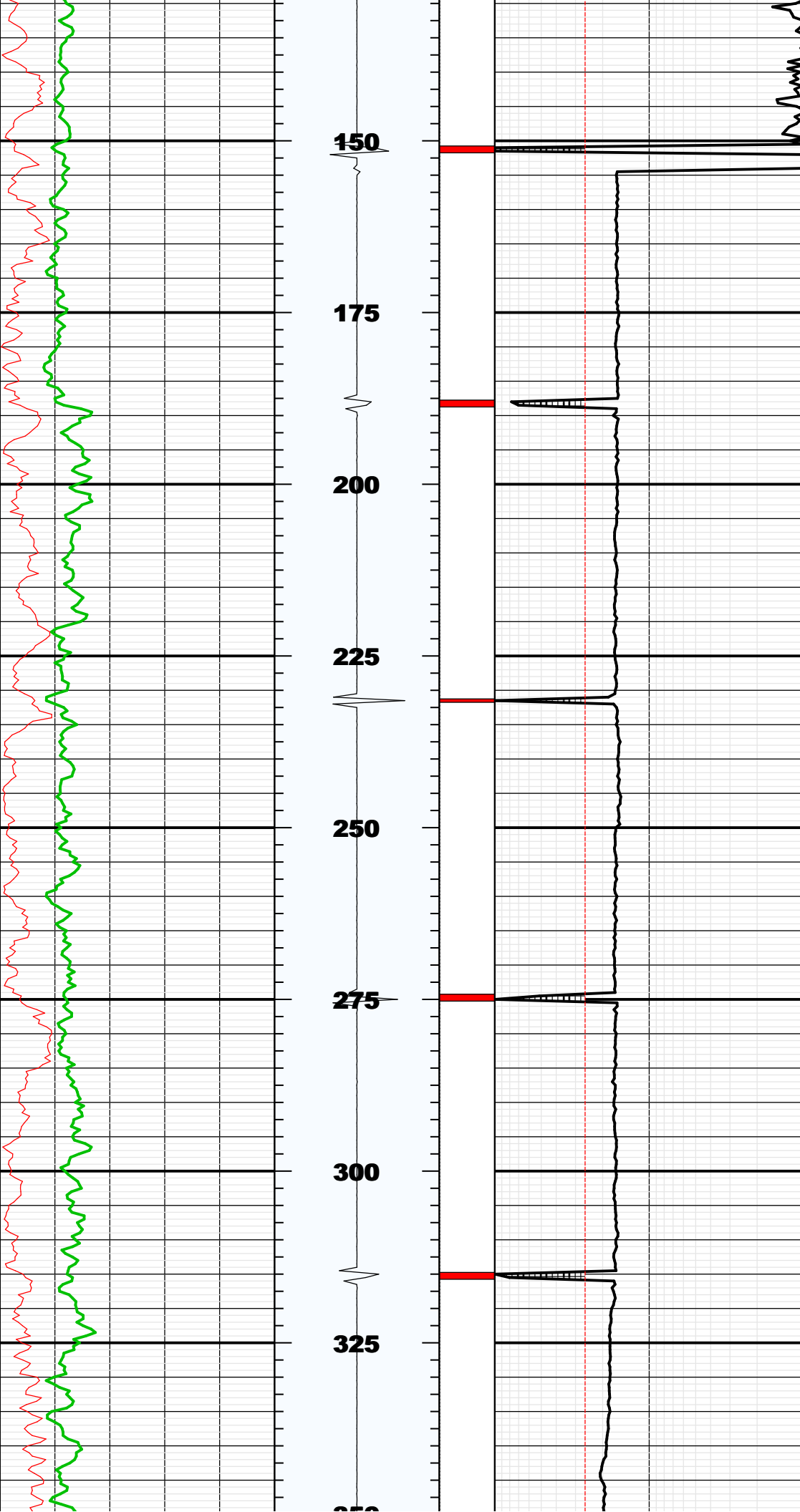
Toolstring run as per toolsketch.
0 PSI repeat pass. 2500 PSI main pass.
Estimated TOC @ 1050'. Expected TOC @ 911'.
11.5 PPG tuned spacer 12.5 PPG lead cement 13.8 PPG tail cement.
Top of 4.5" liner at 6334.7'.
Bottom log interval at 6300'. Tried to spin sub at 6315' but sub would not spin.
Bottom hole temperature 219 degF.

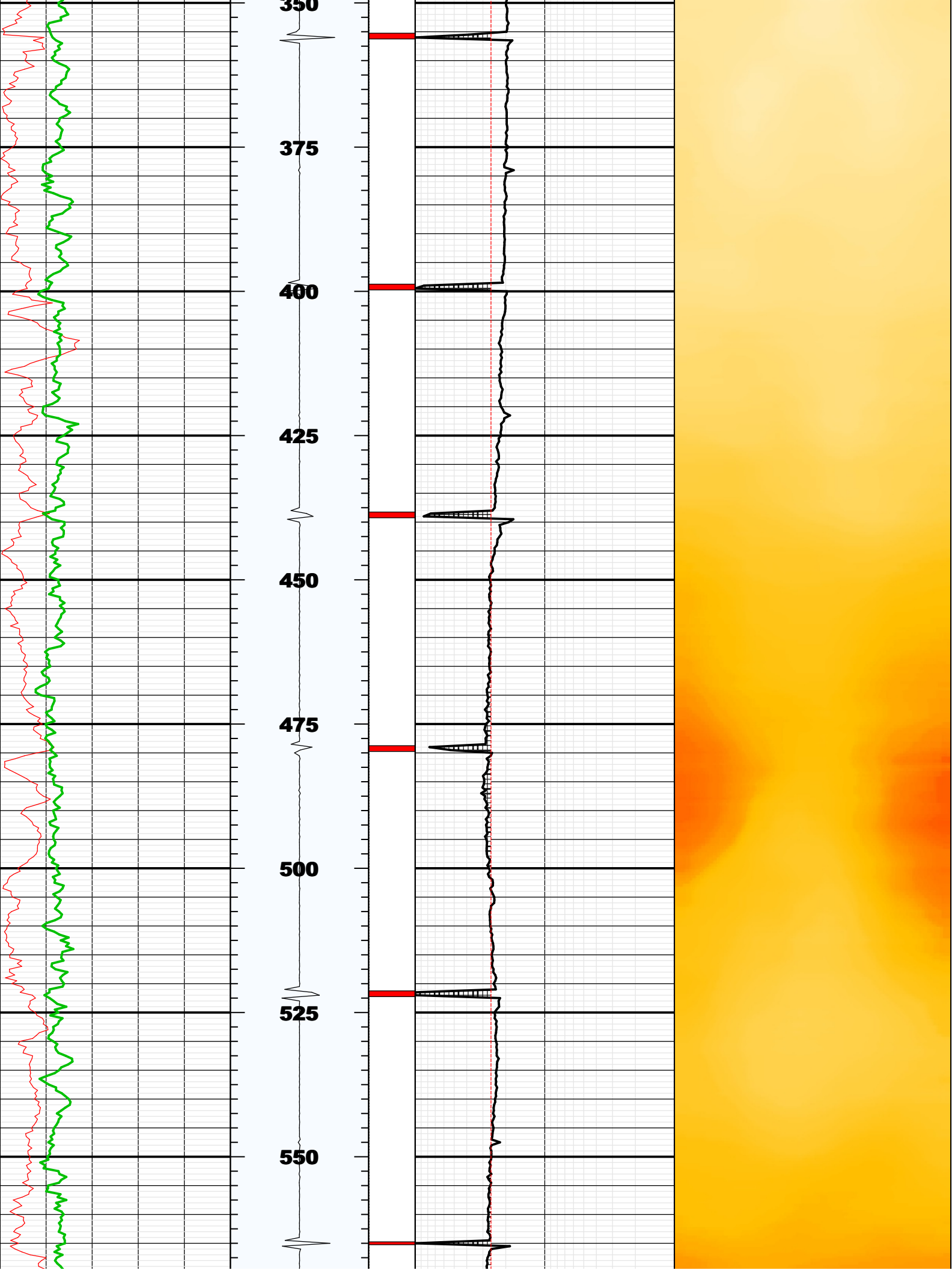
Thank you for choosing Schlumberger Wireline.
SLB crew Jay Musgrave Tyler Riter and Keri Ondrus

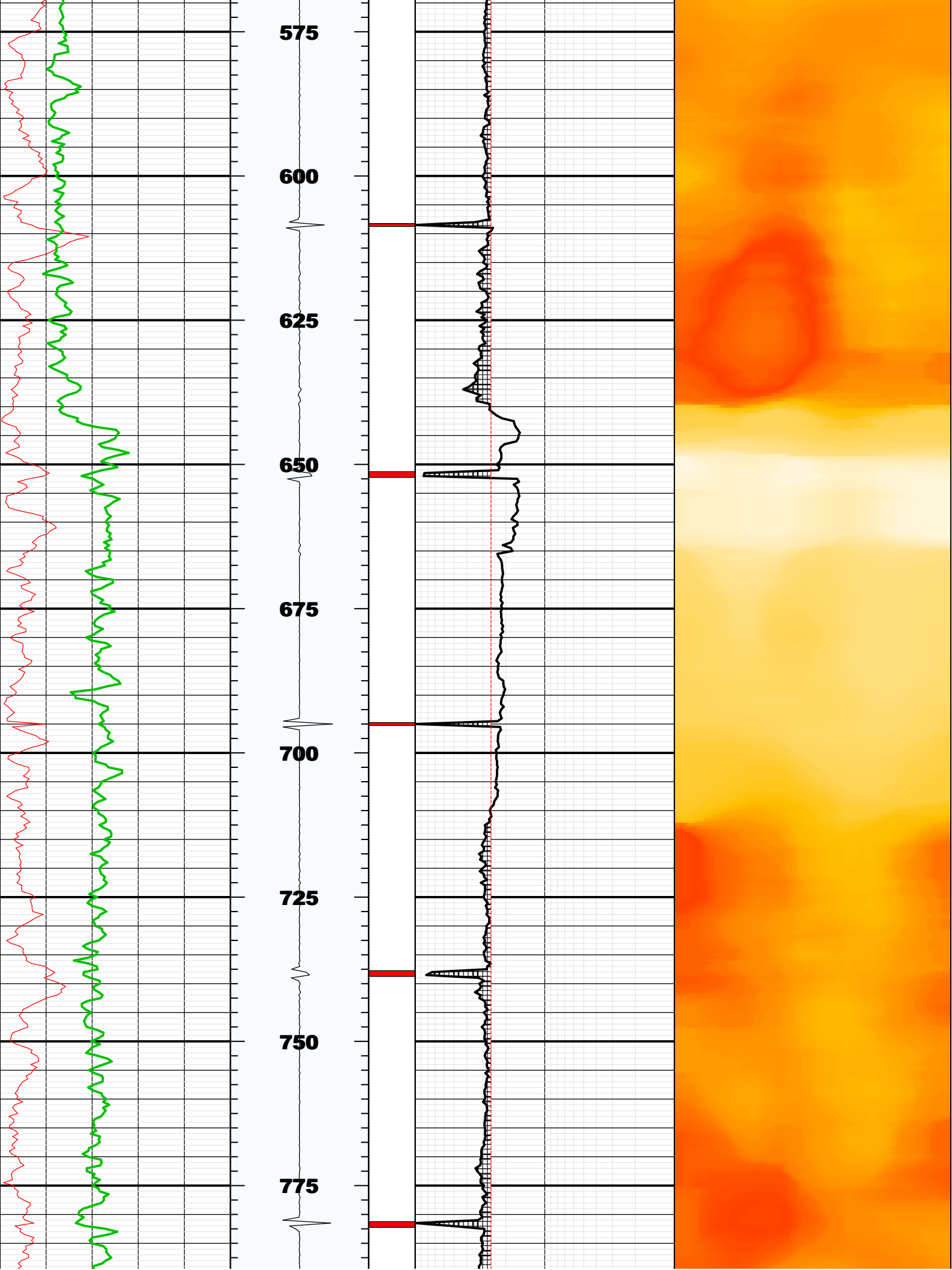
Main Pass

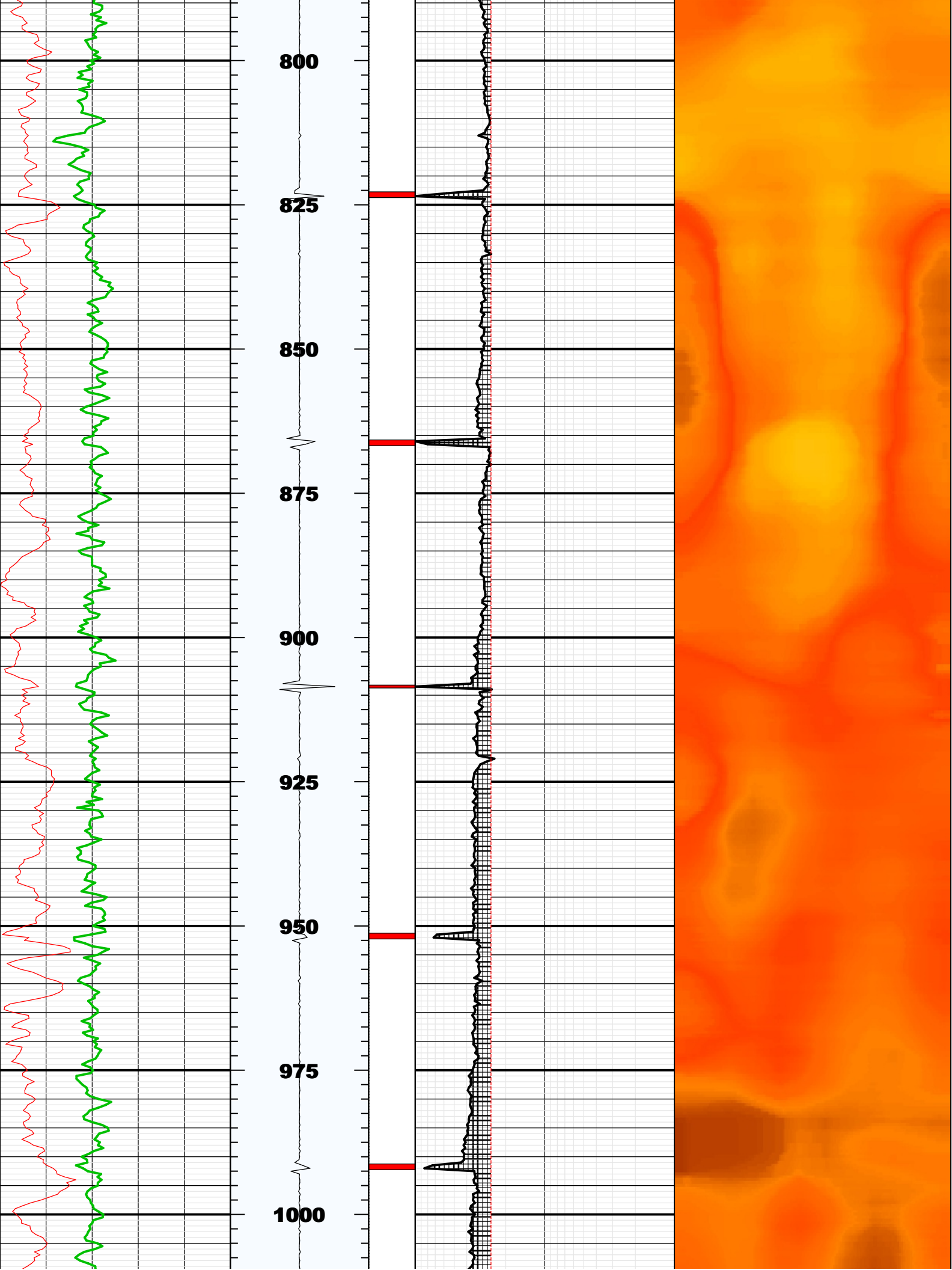
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Well: Tina LC29-73-1HNA
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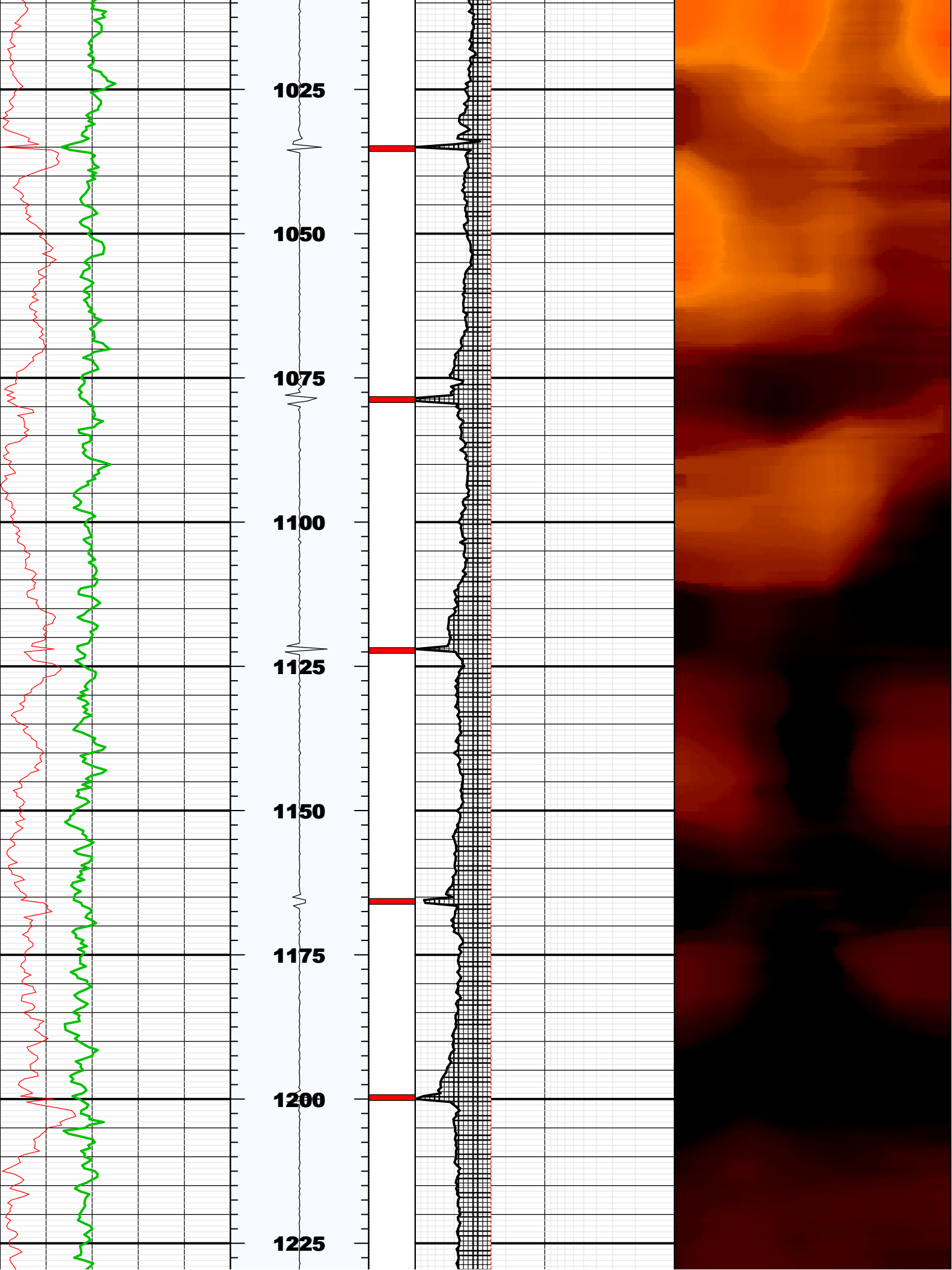


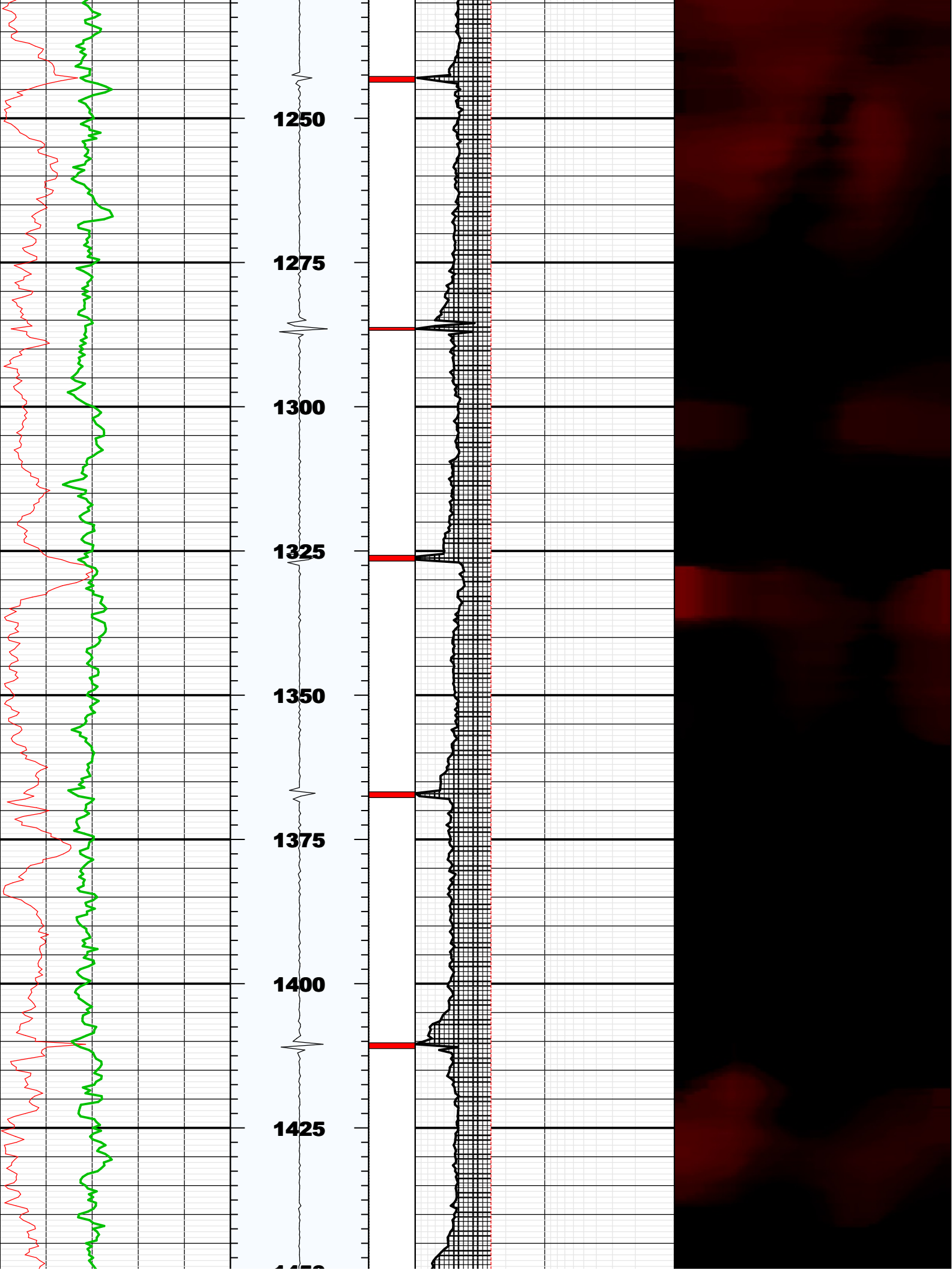


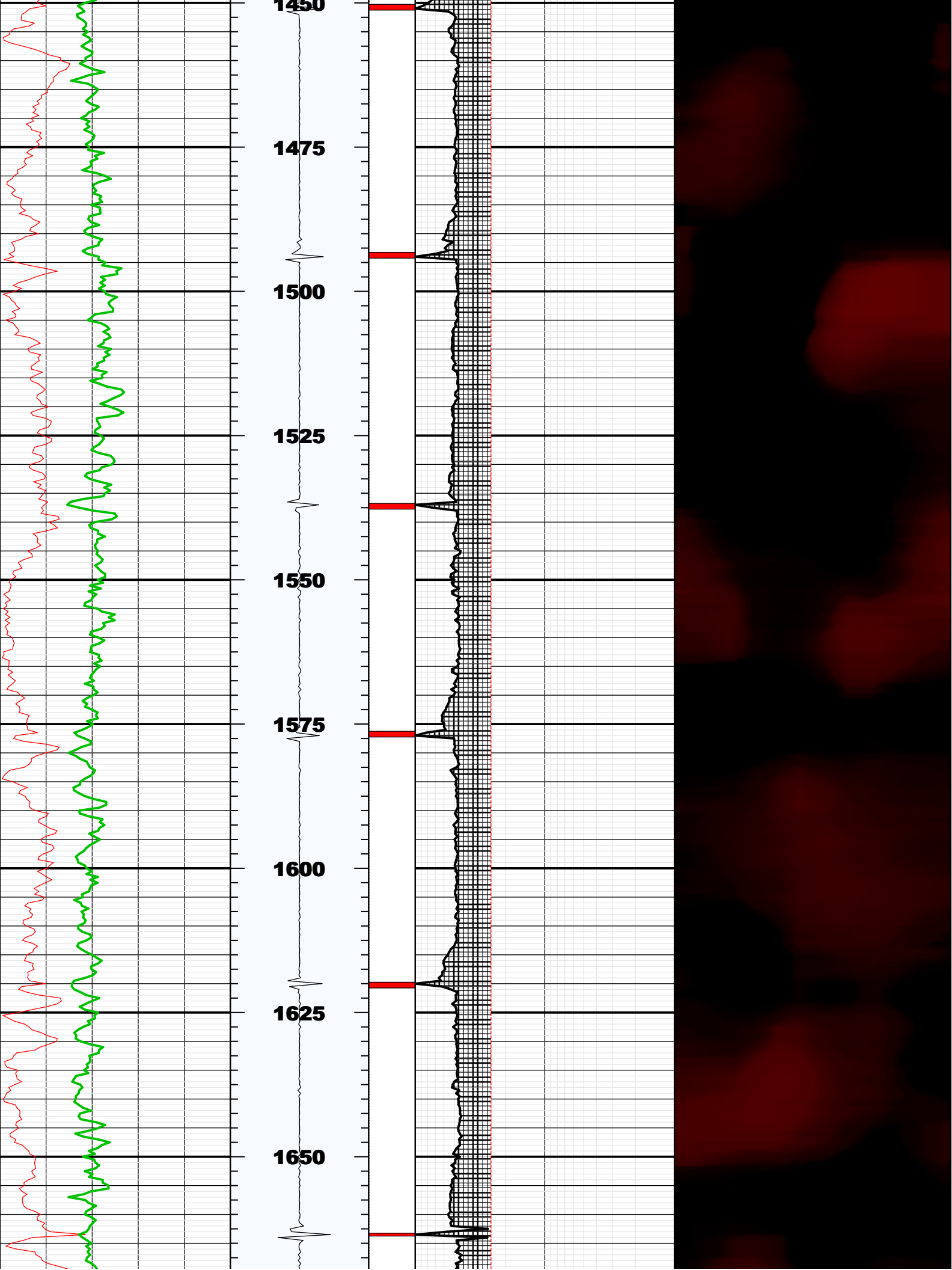


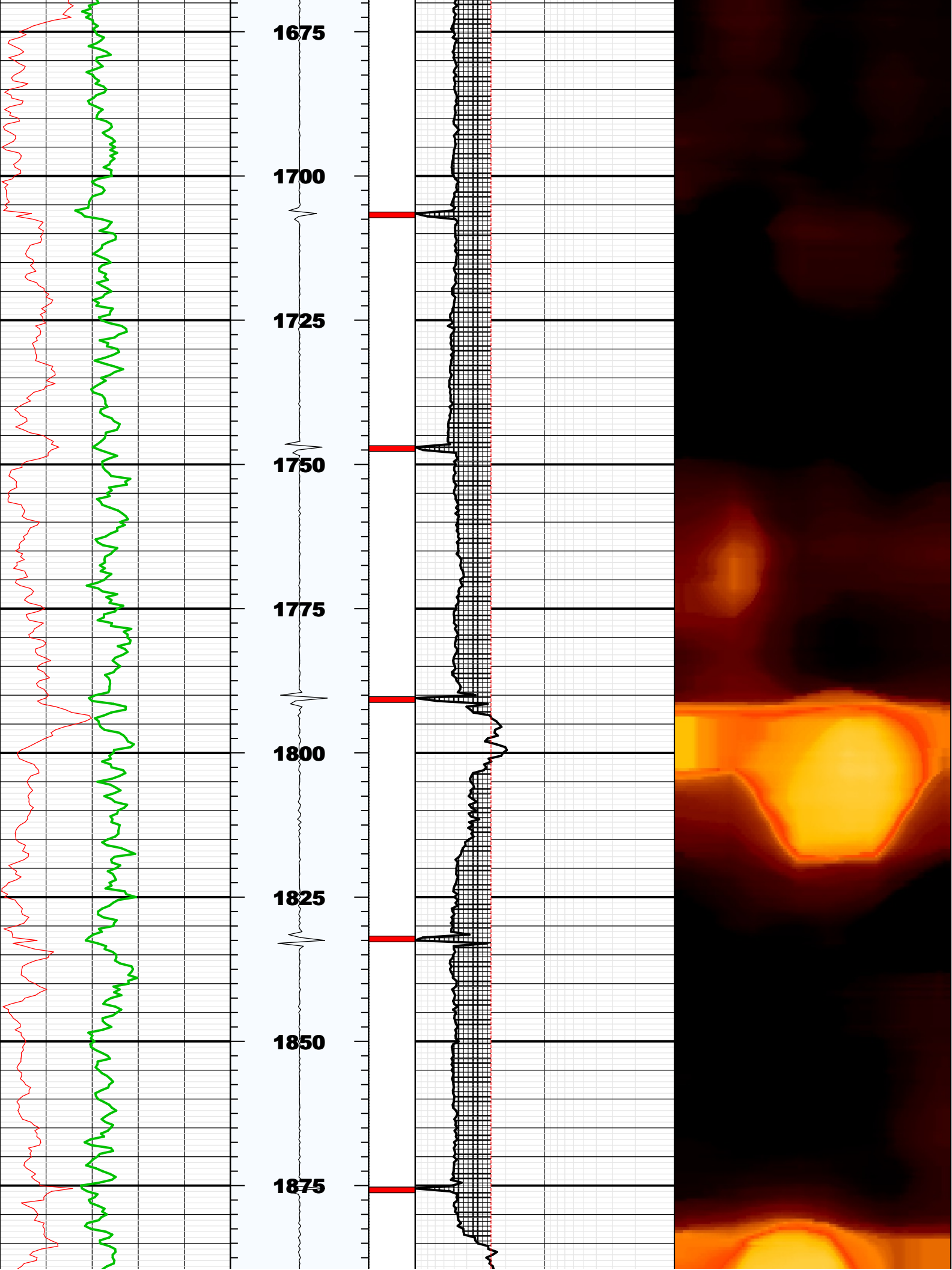


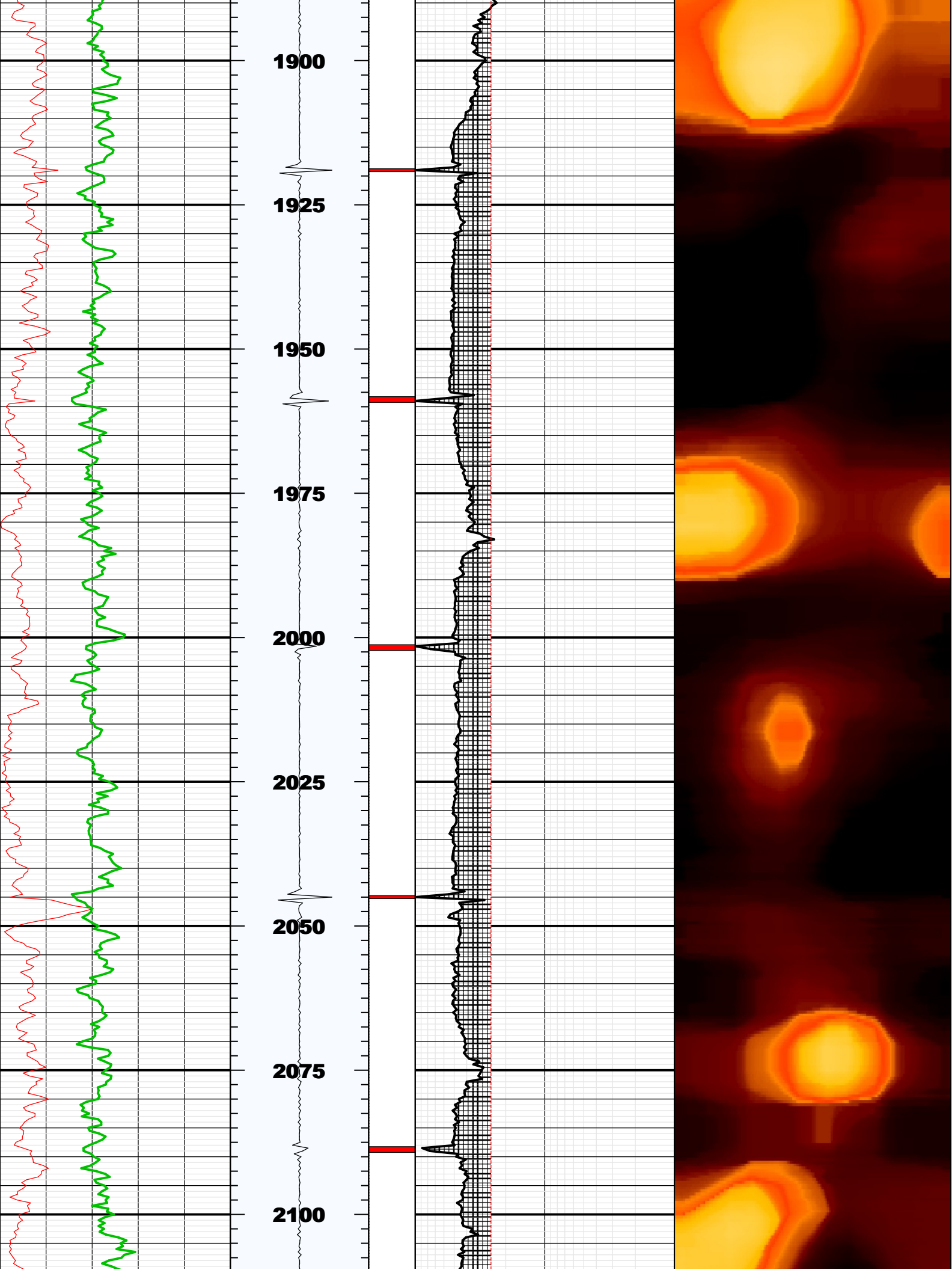


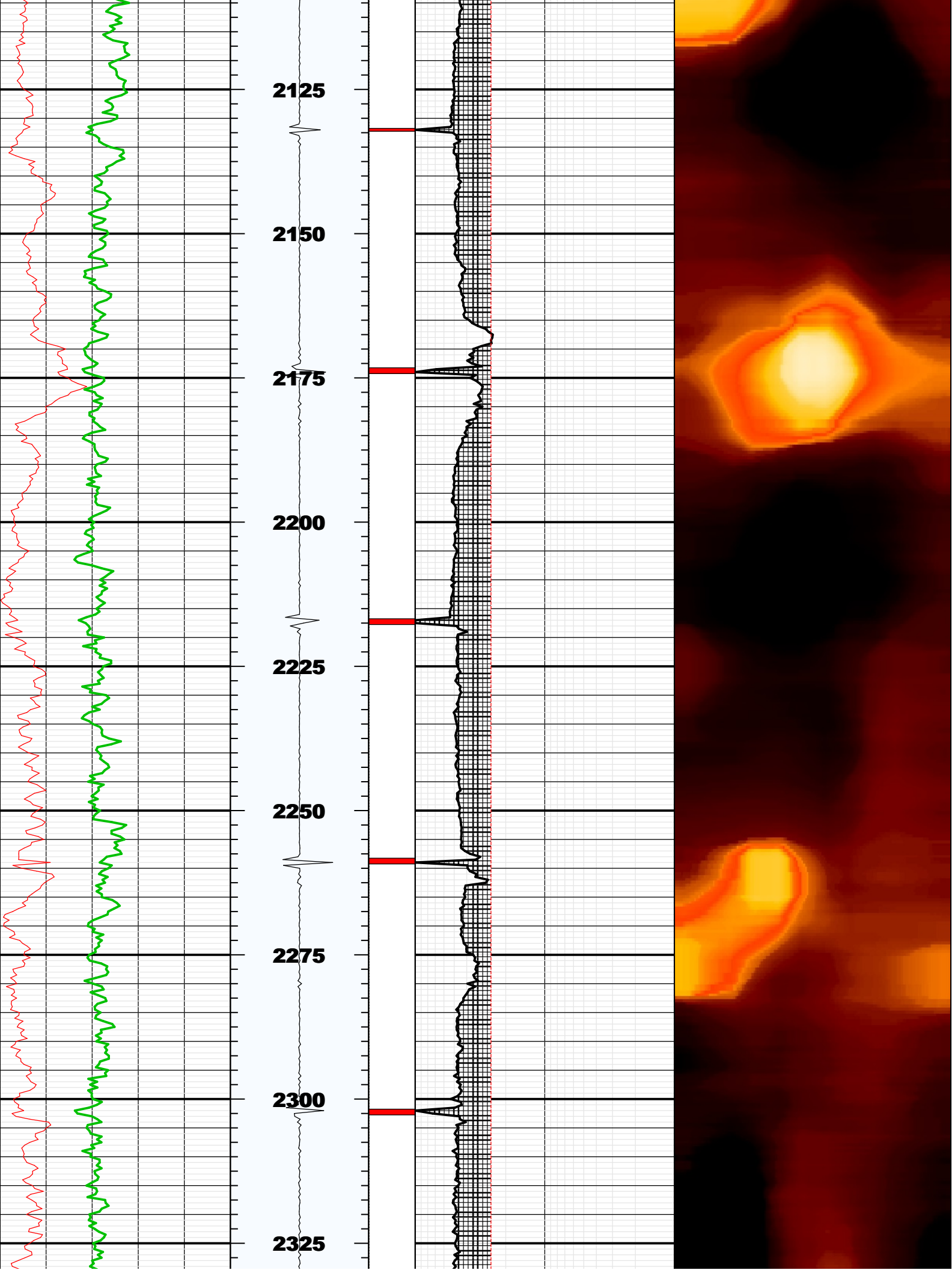


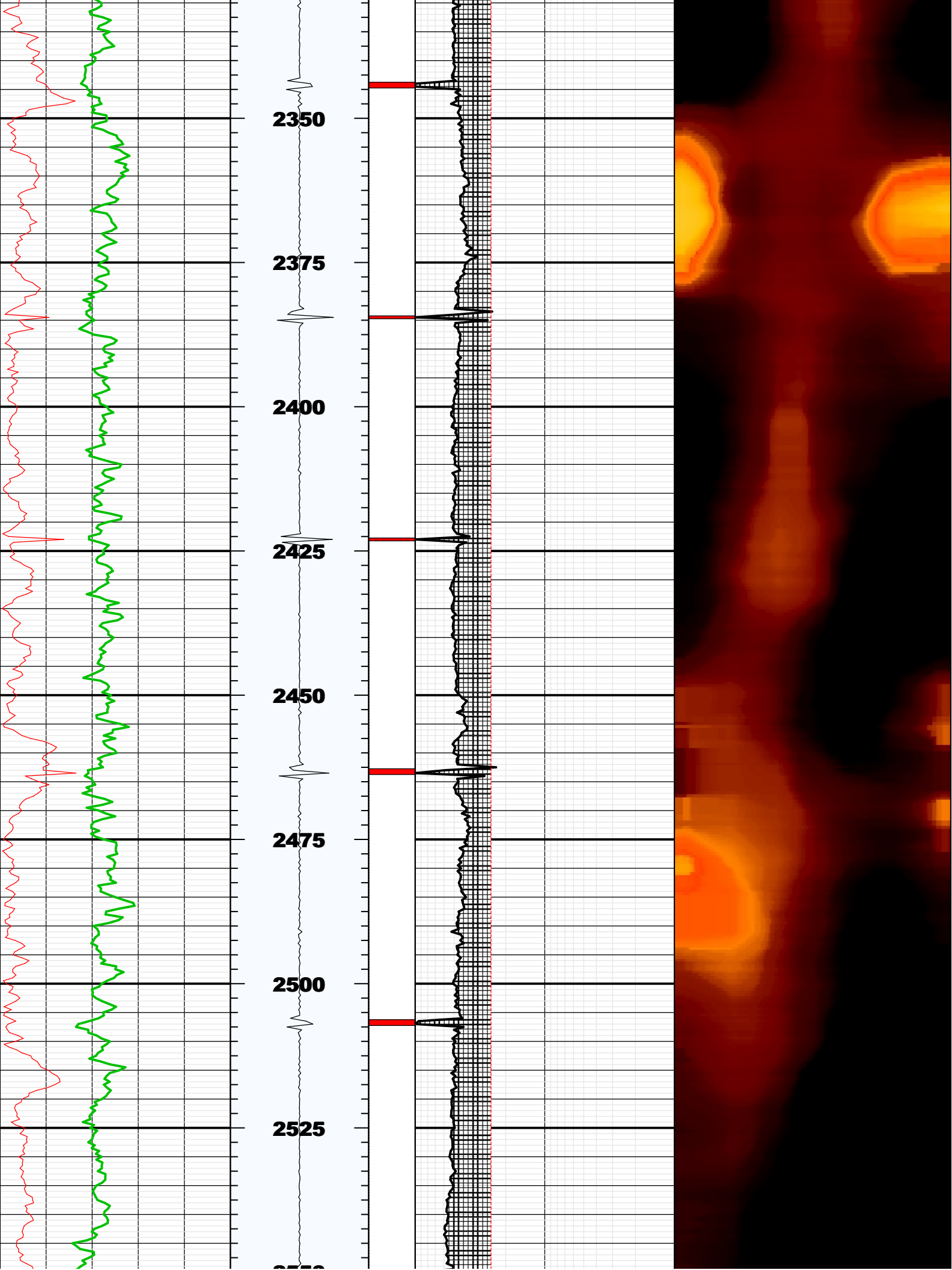


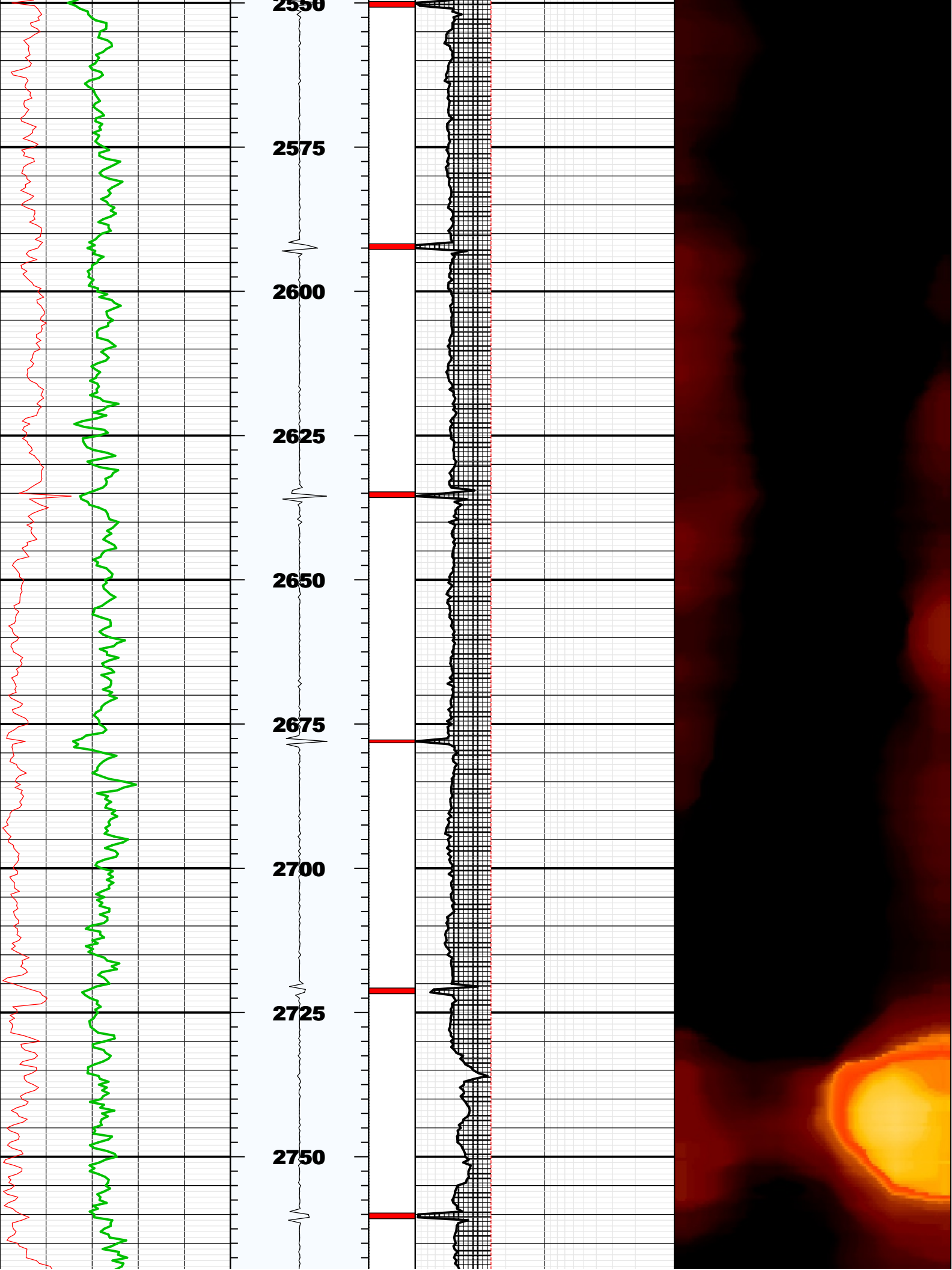


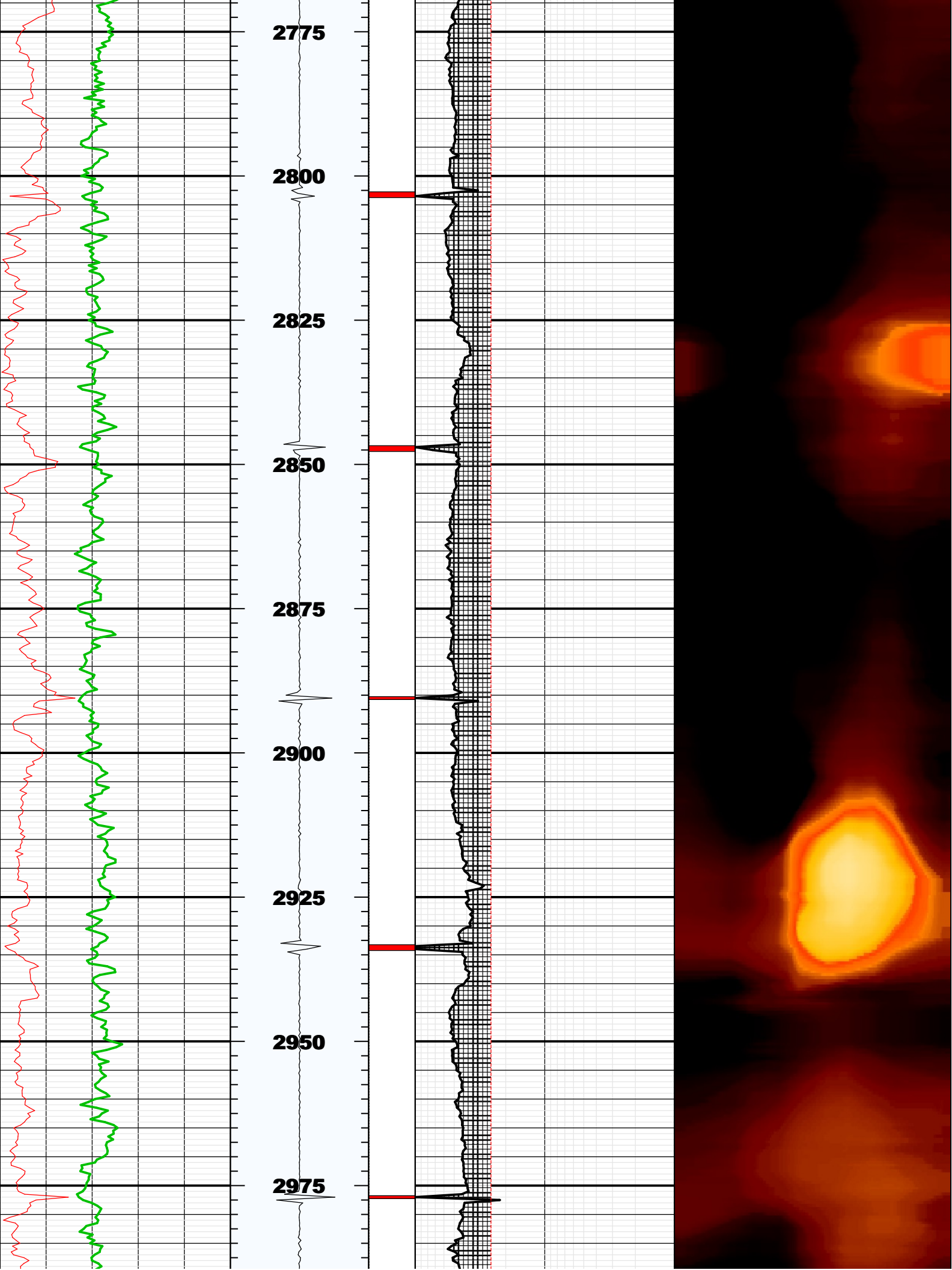


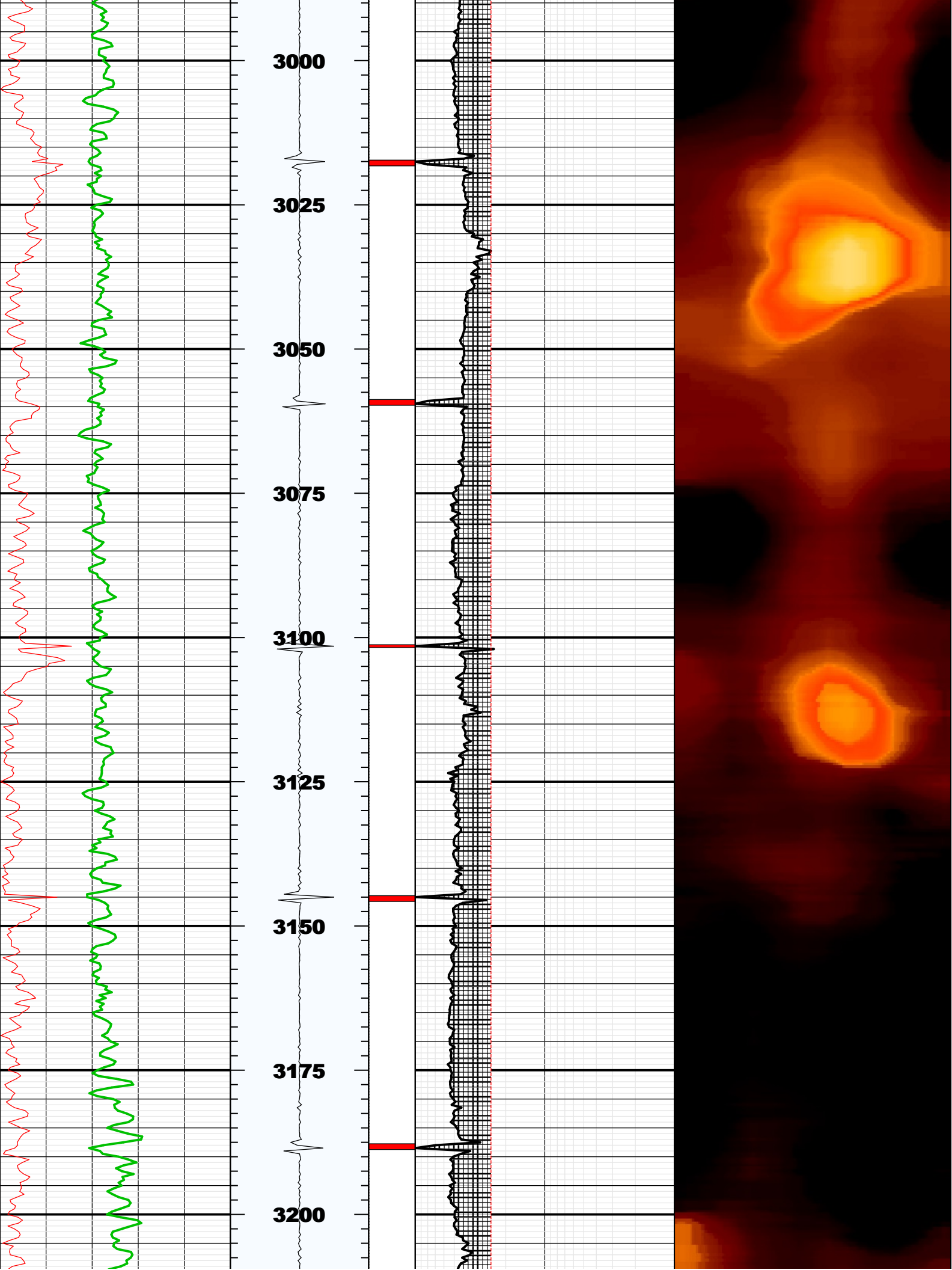


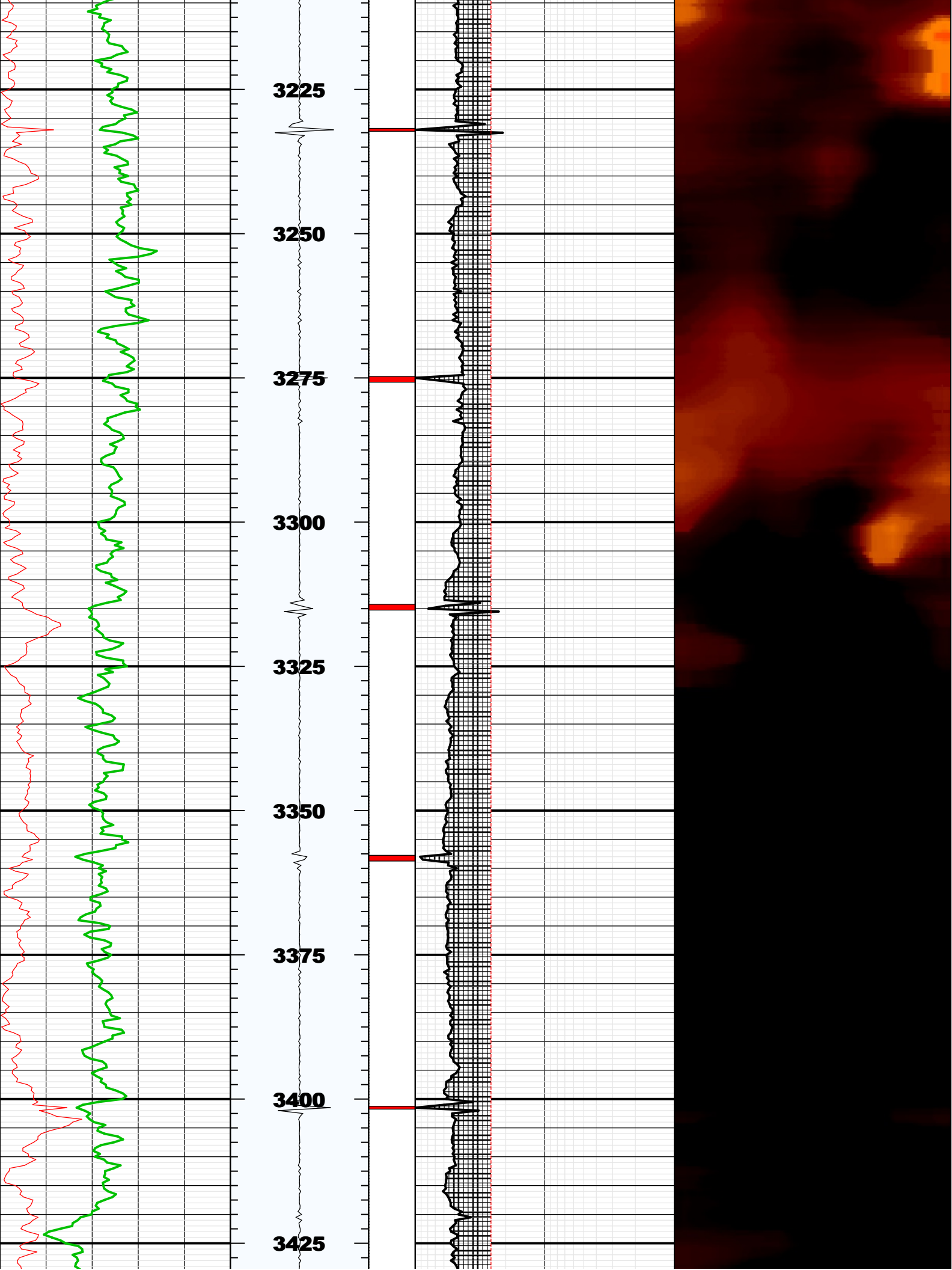


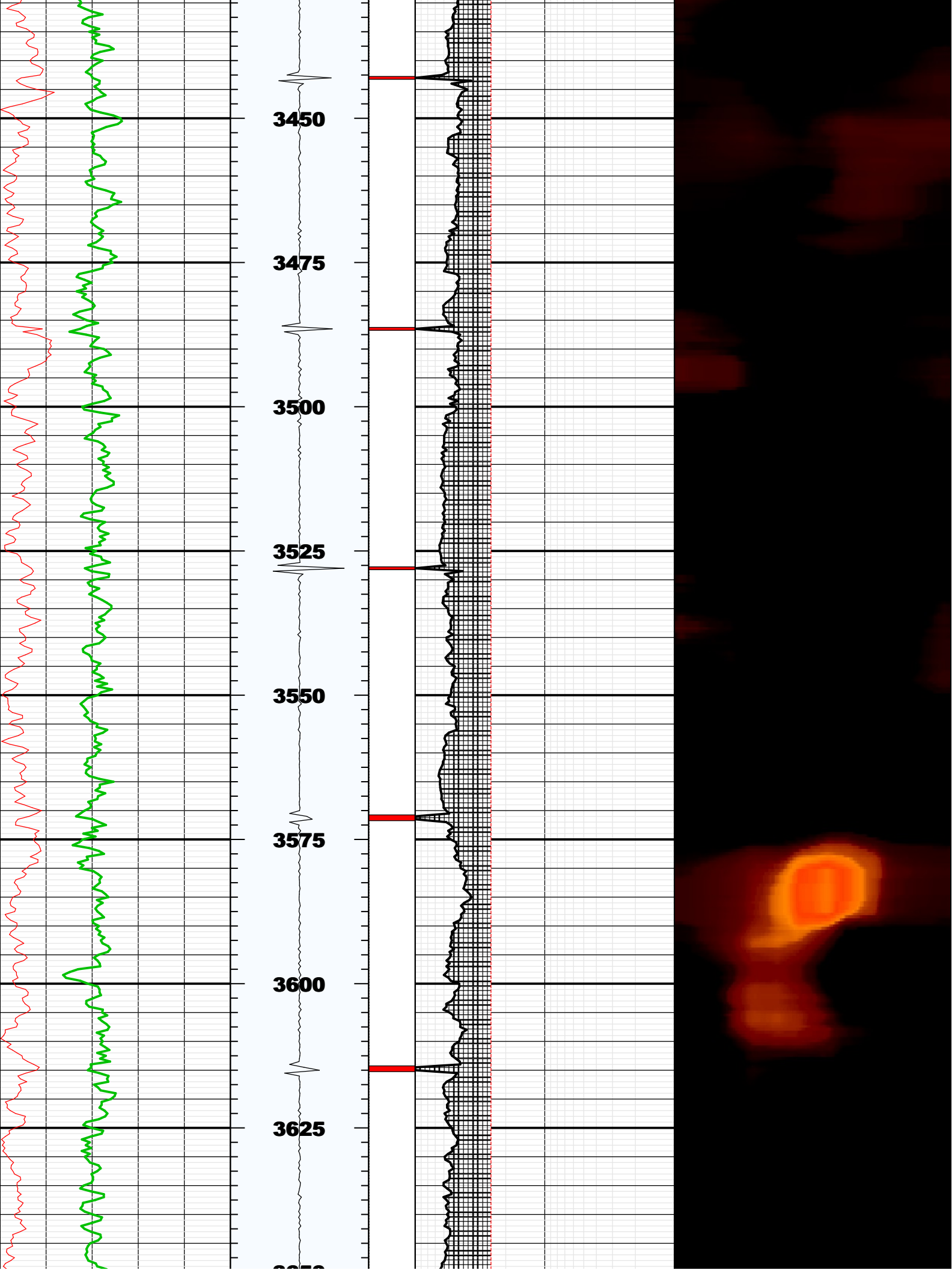


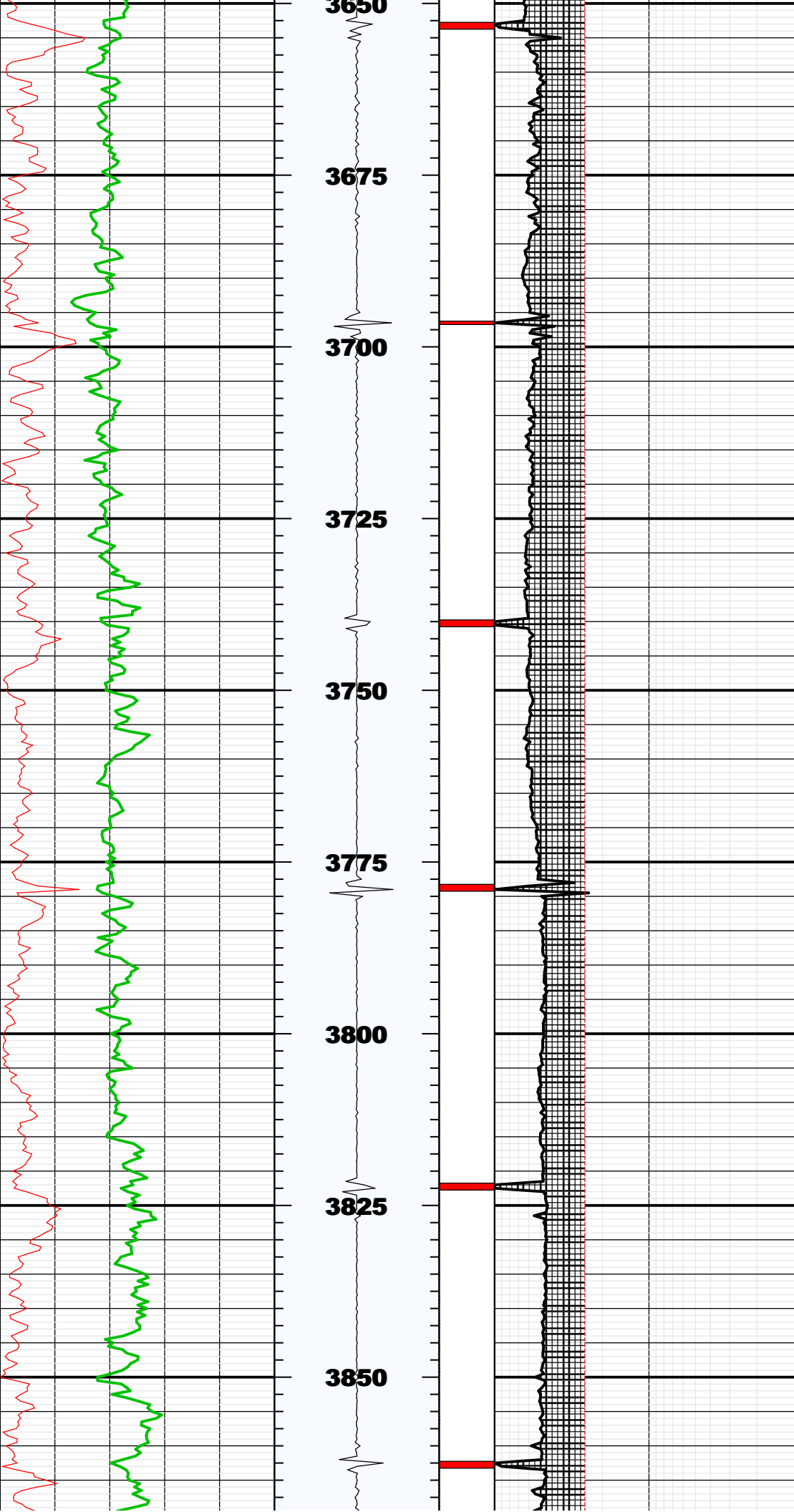


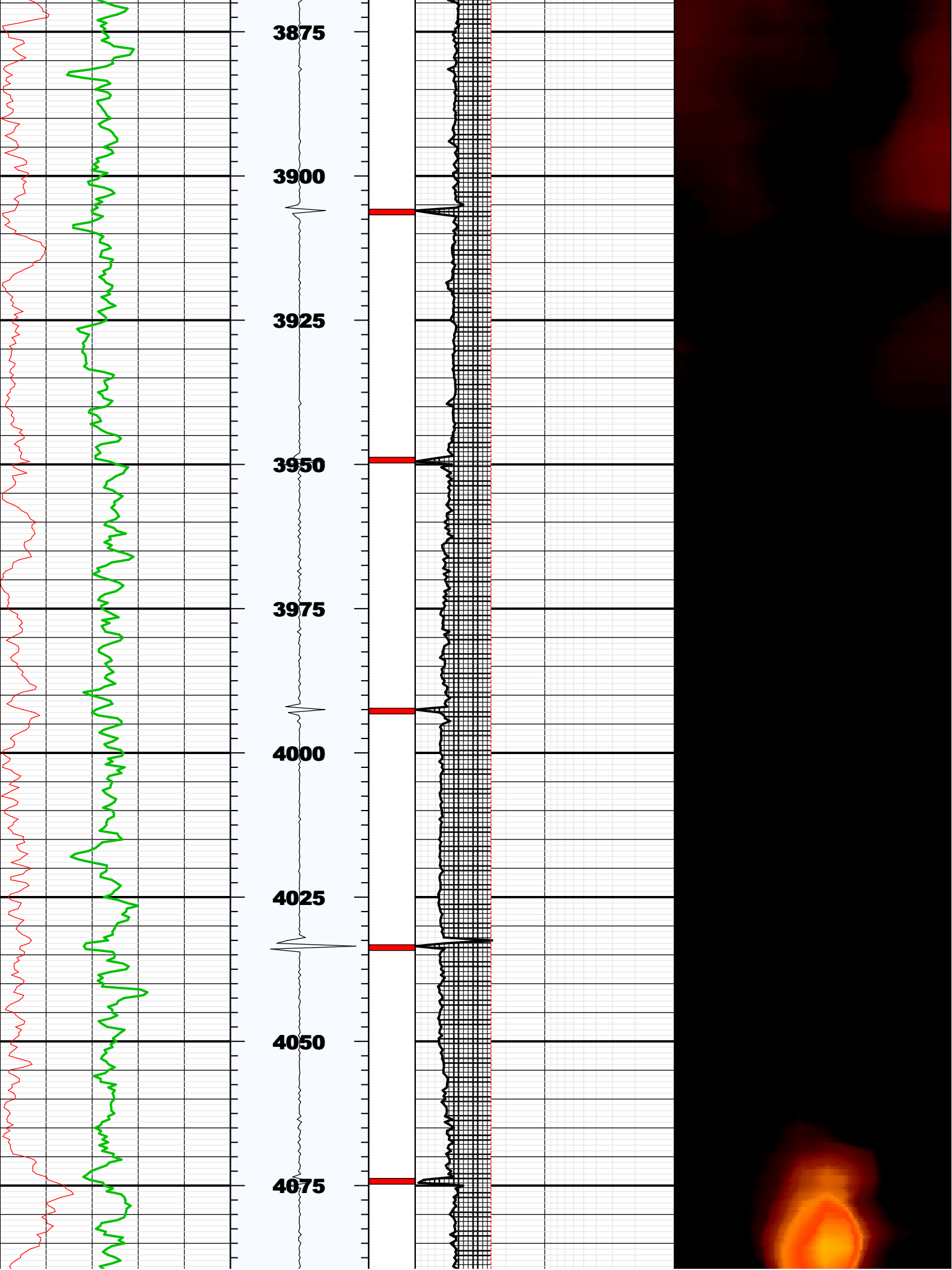


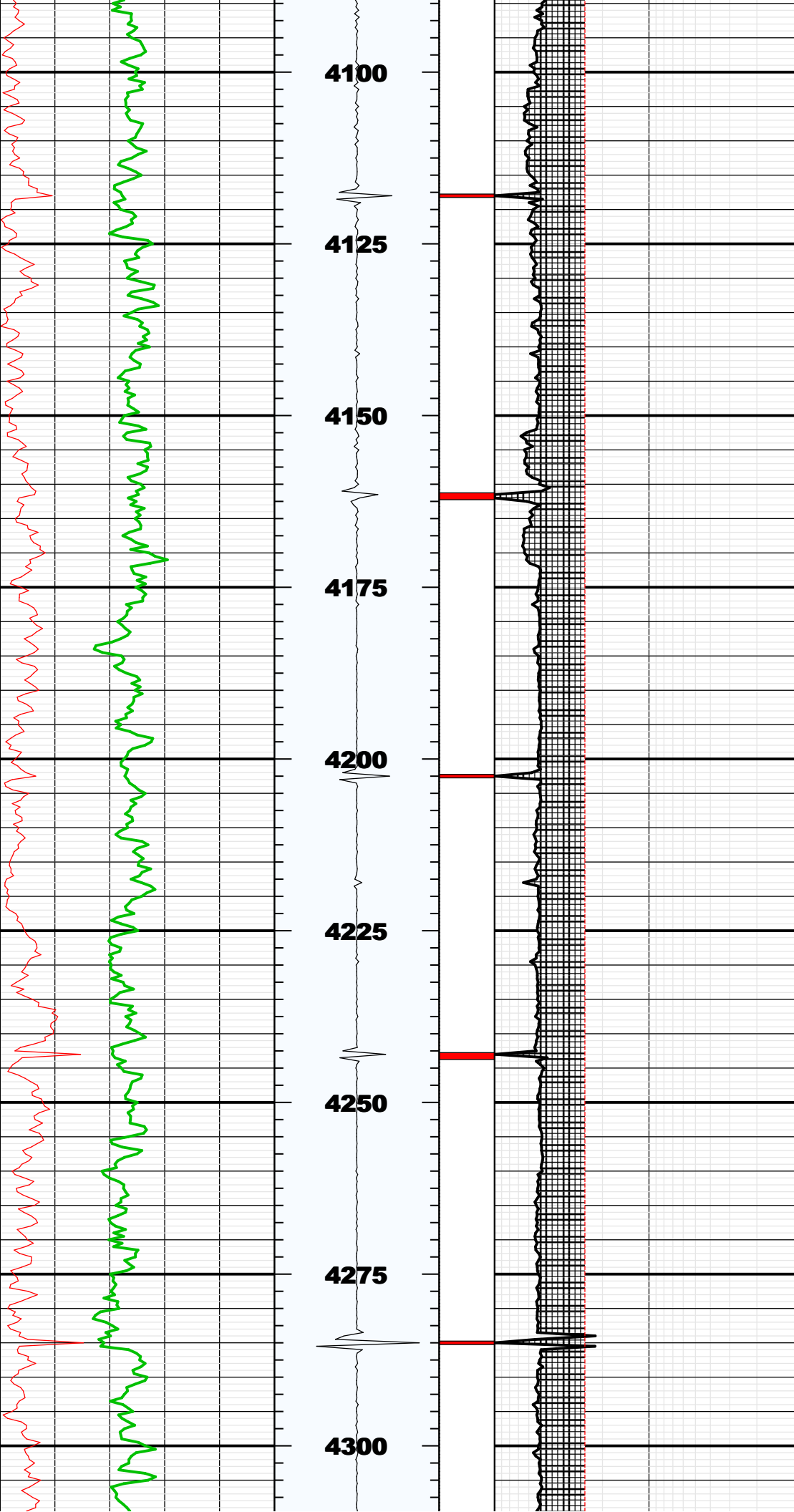


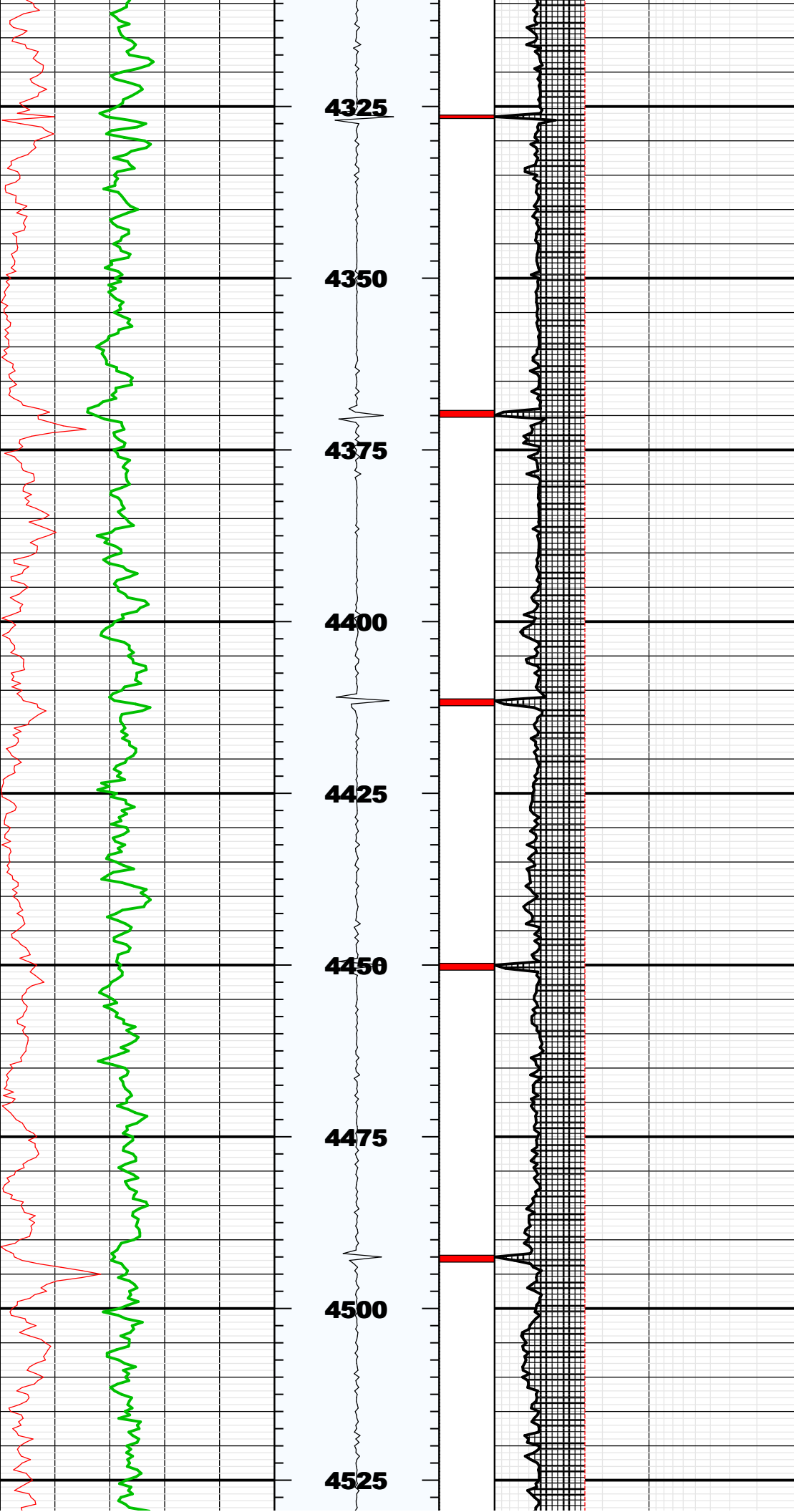


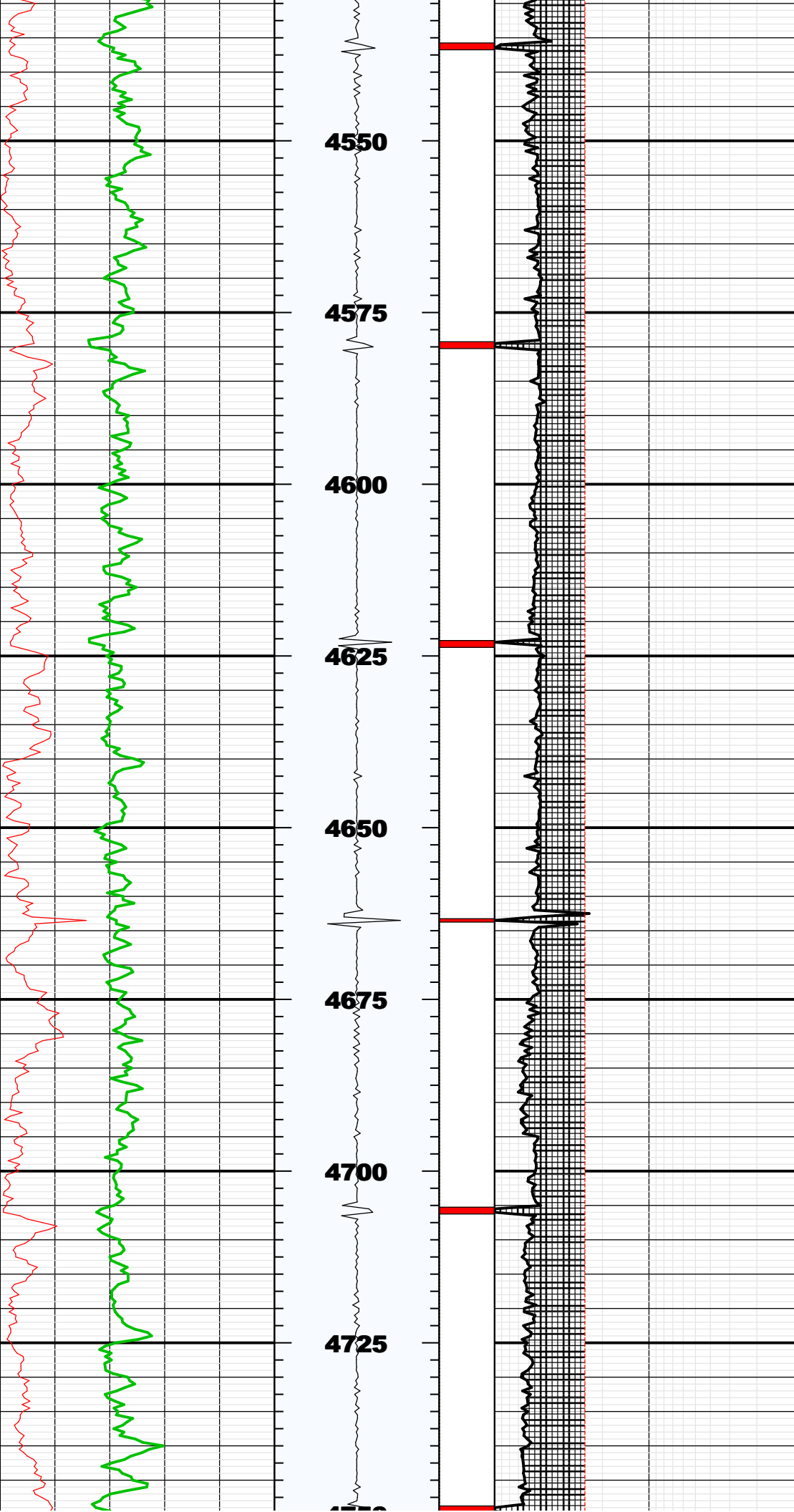


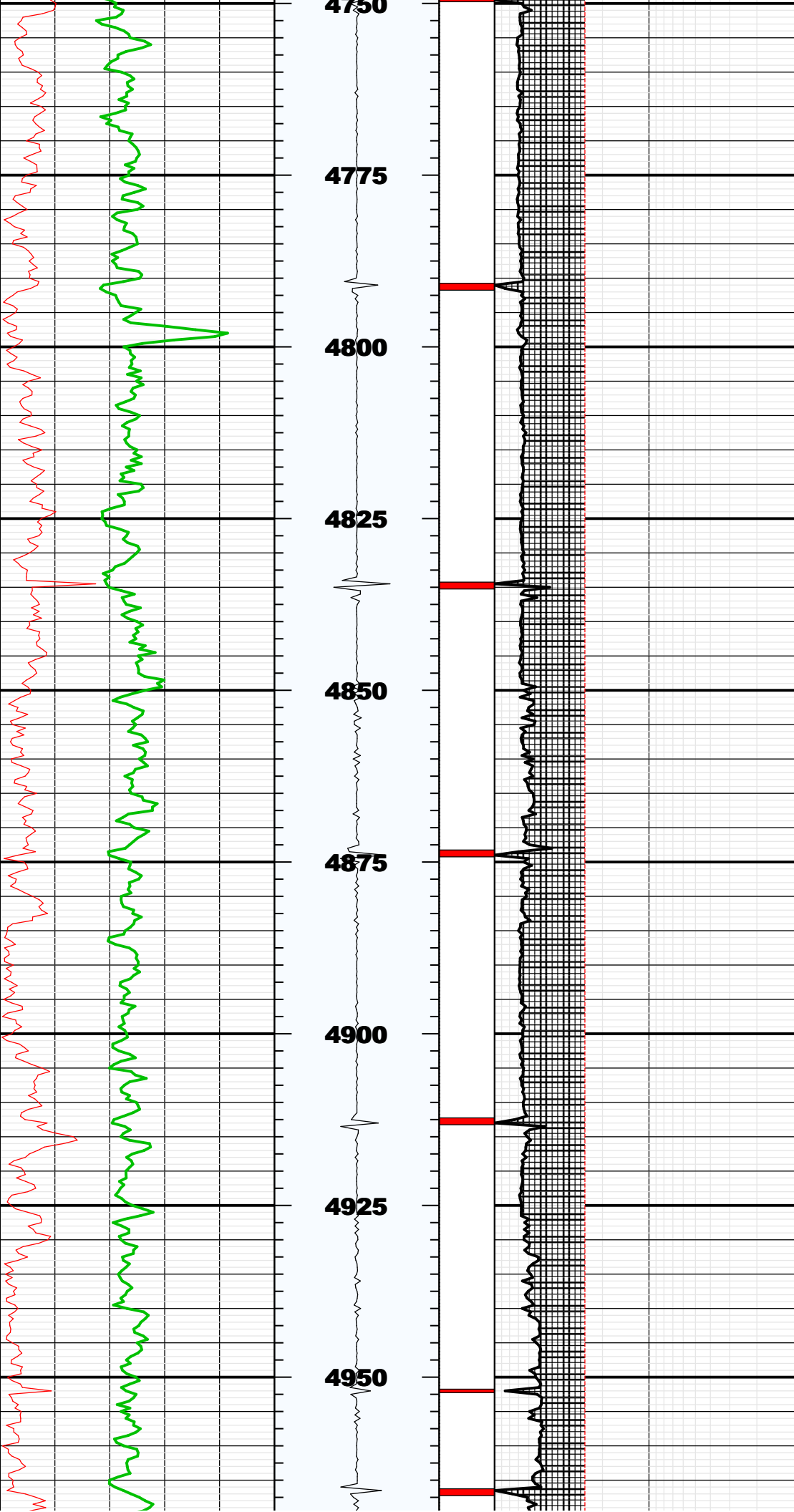


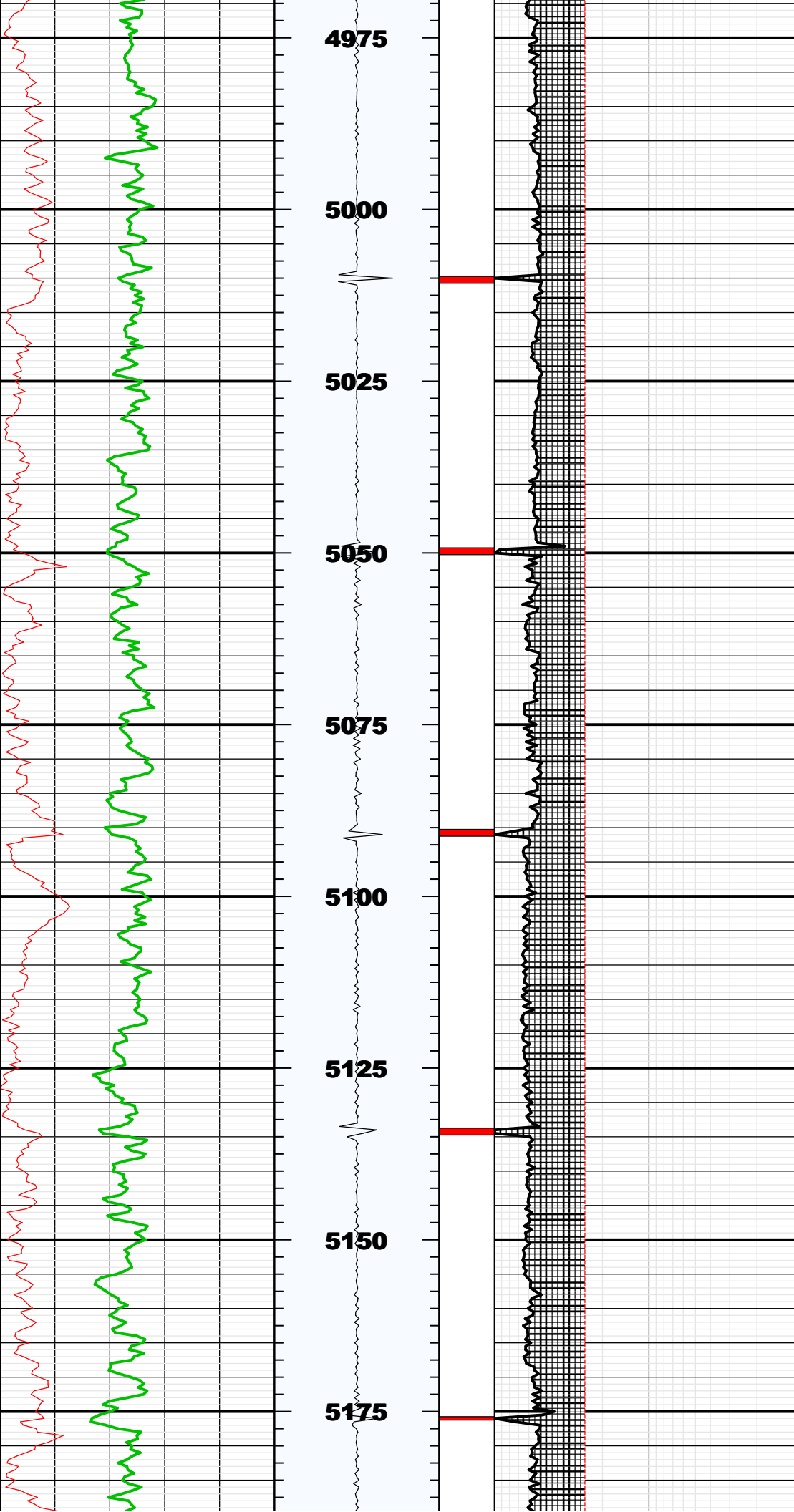


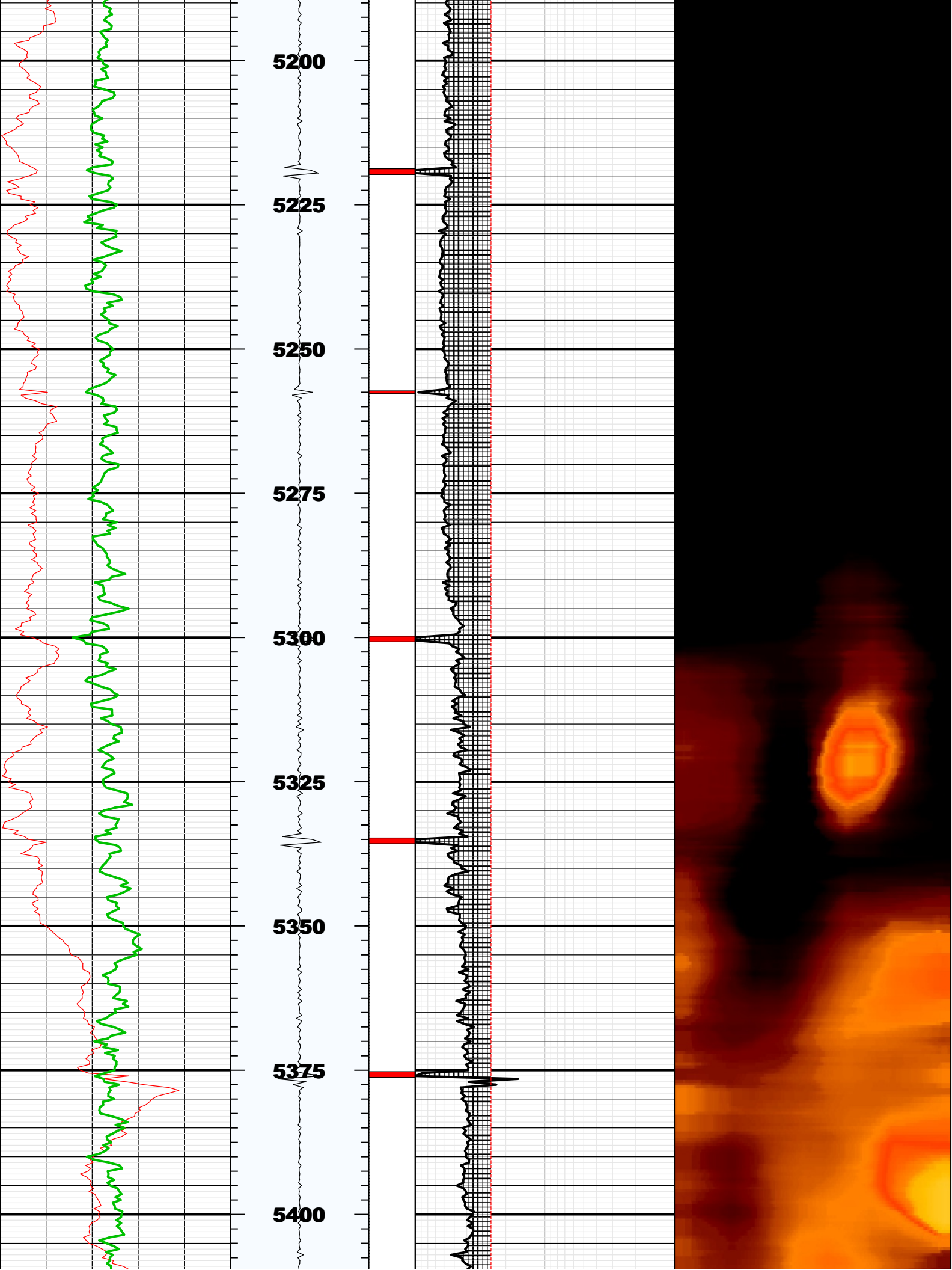


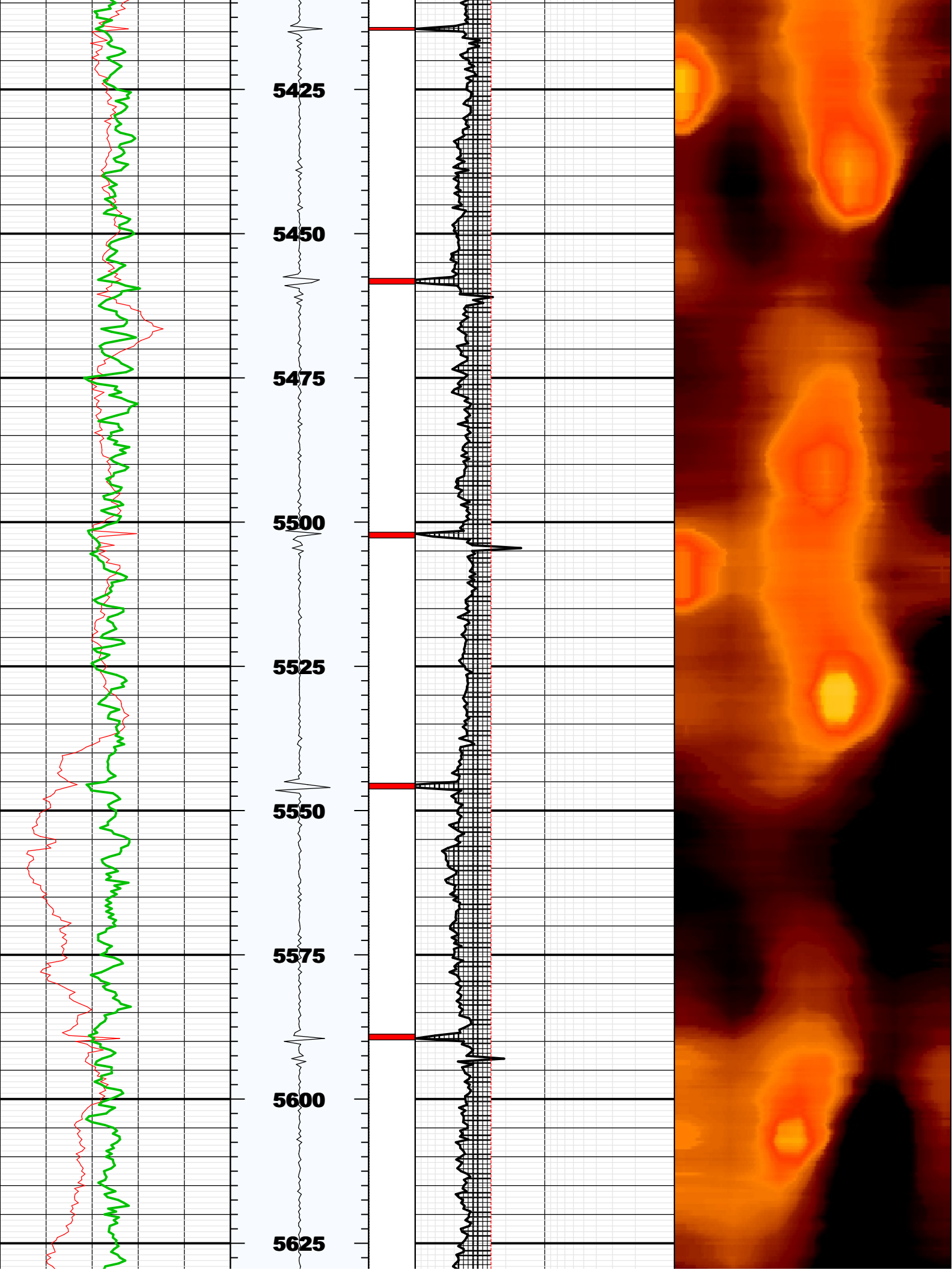


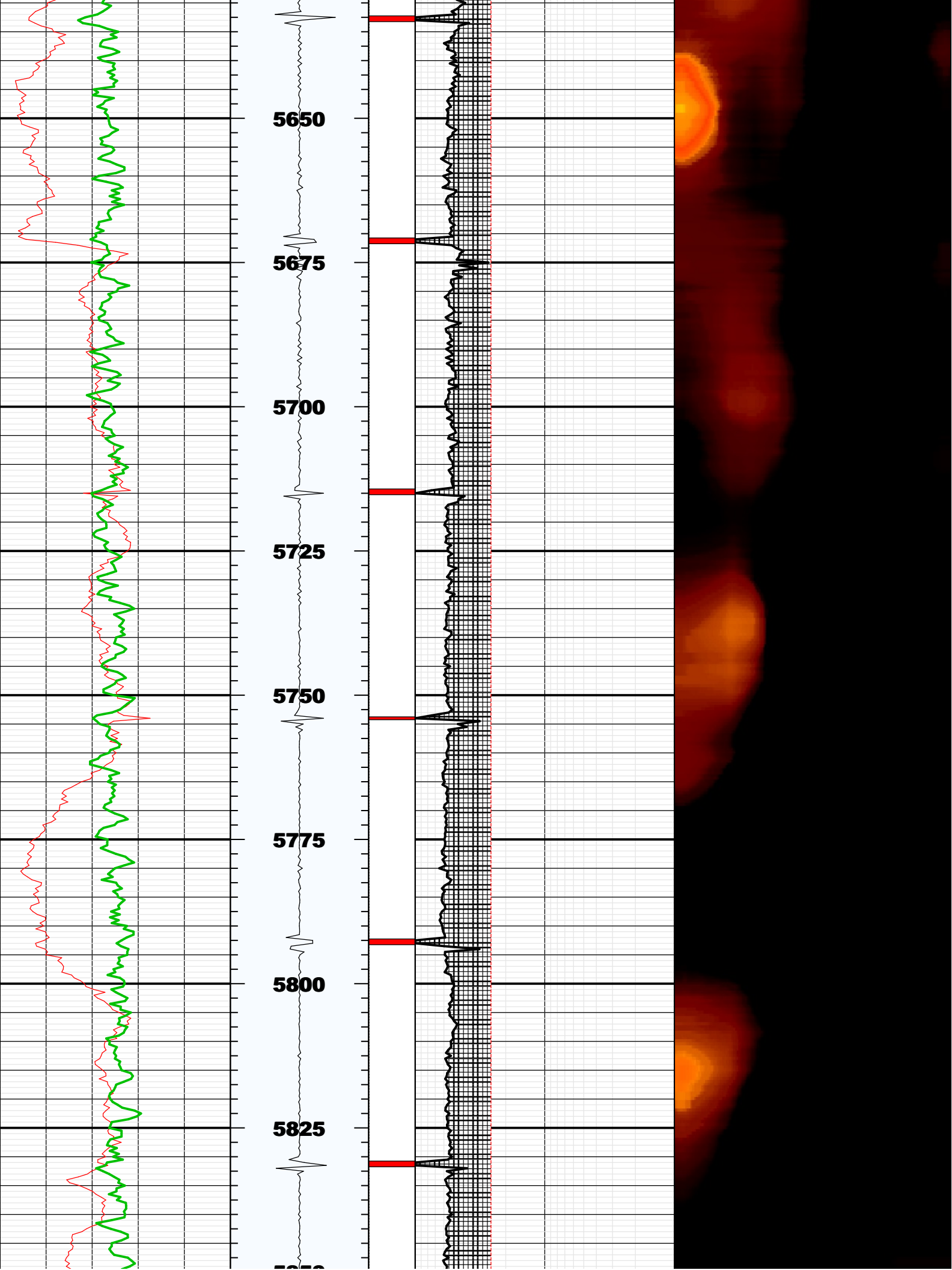


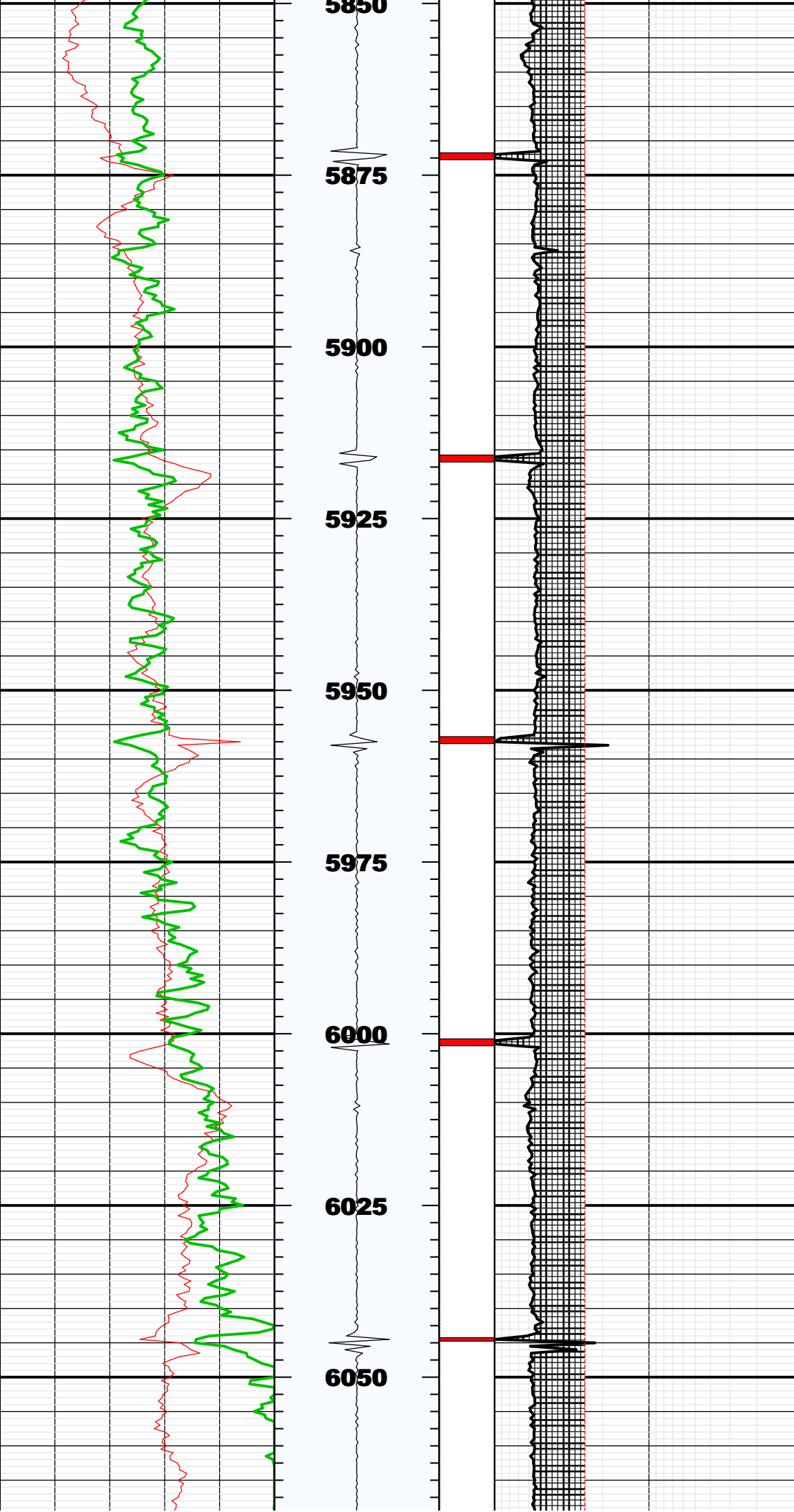


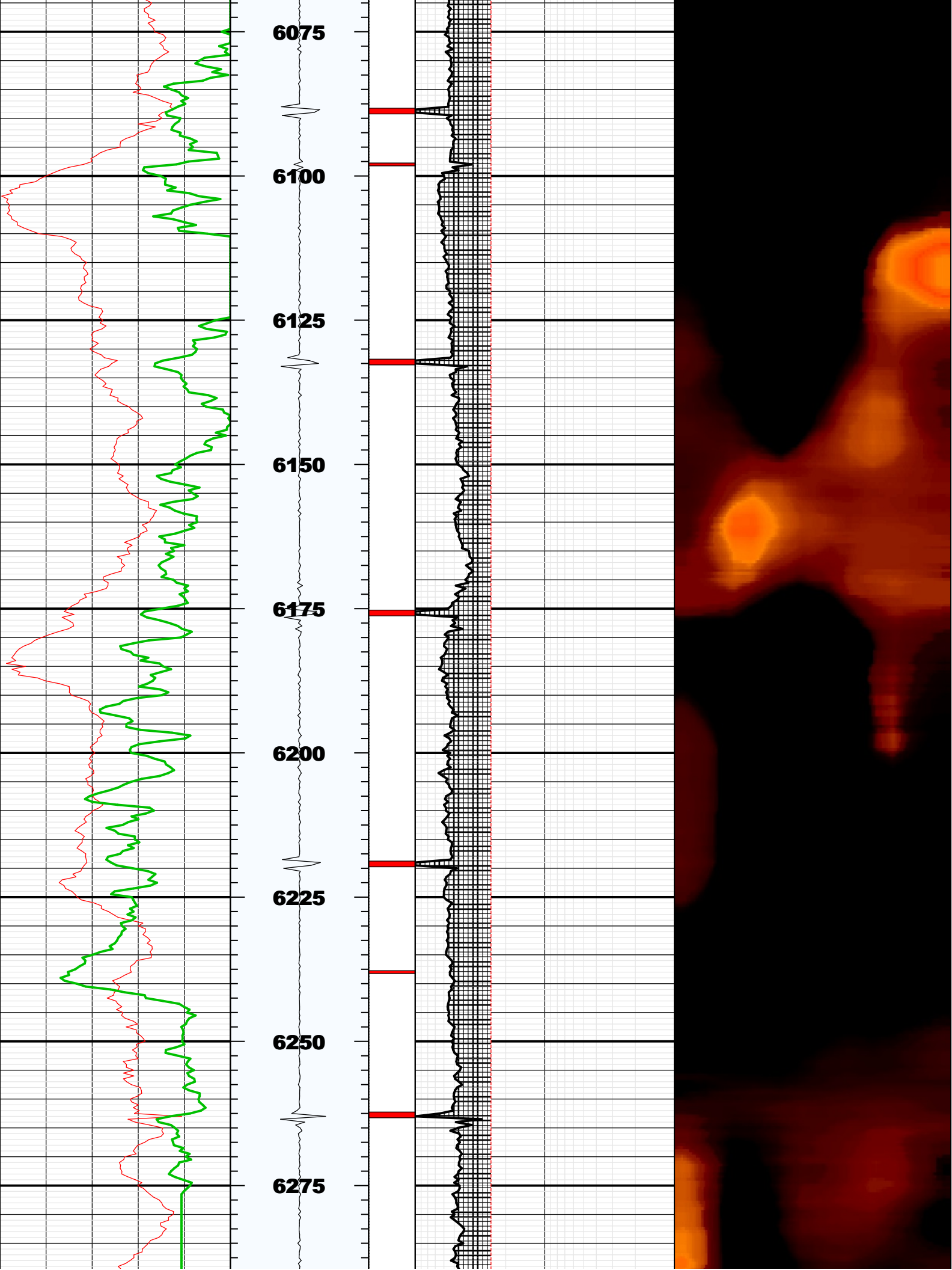


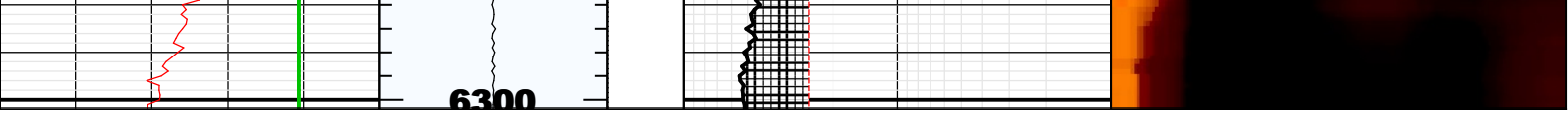








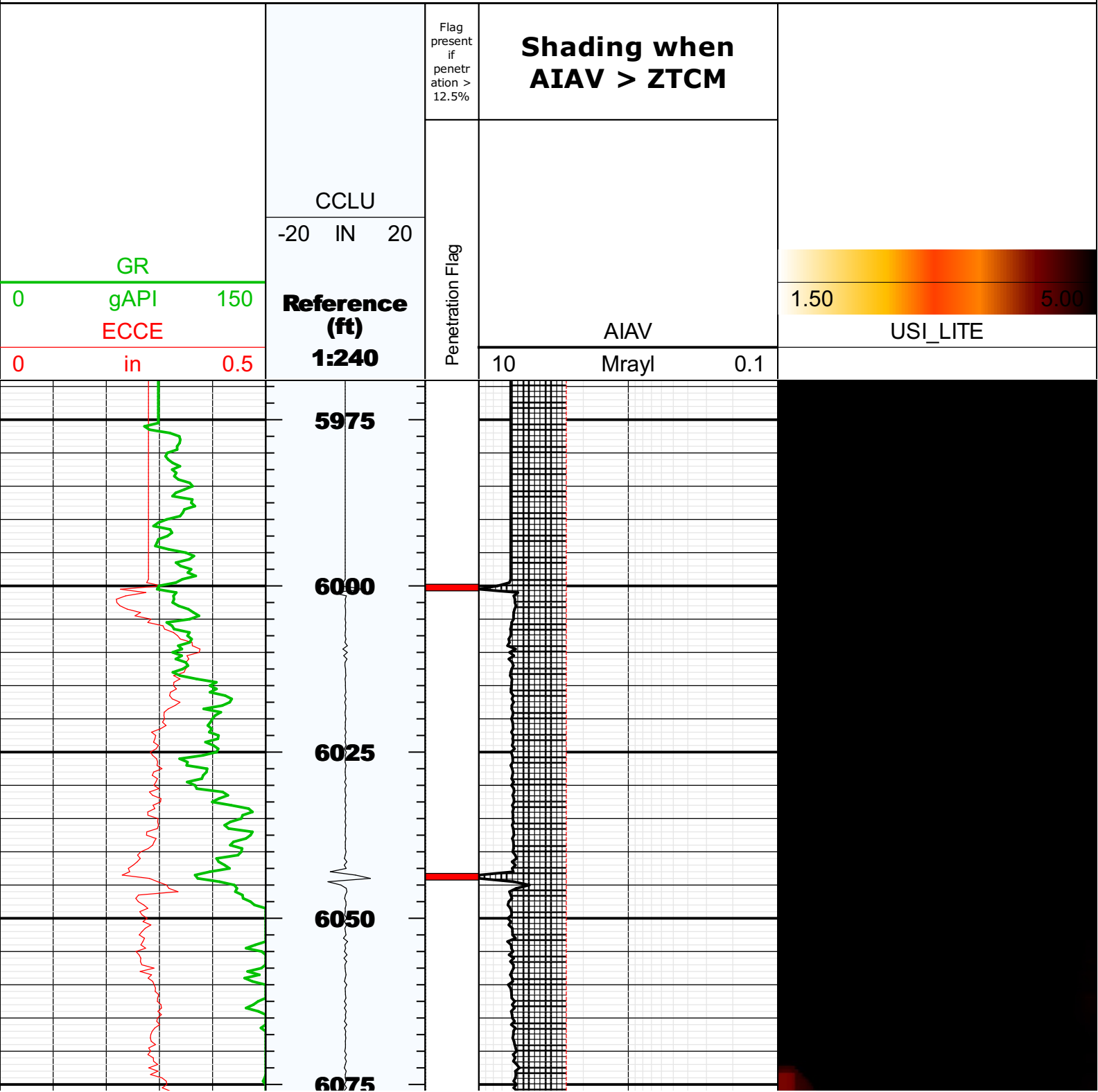


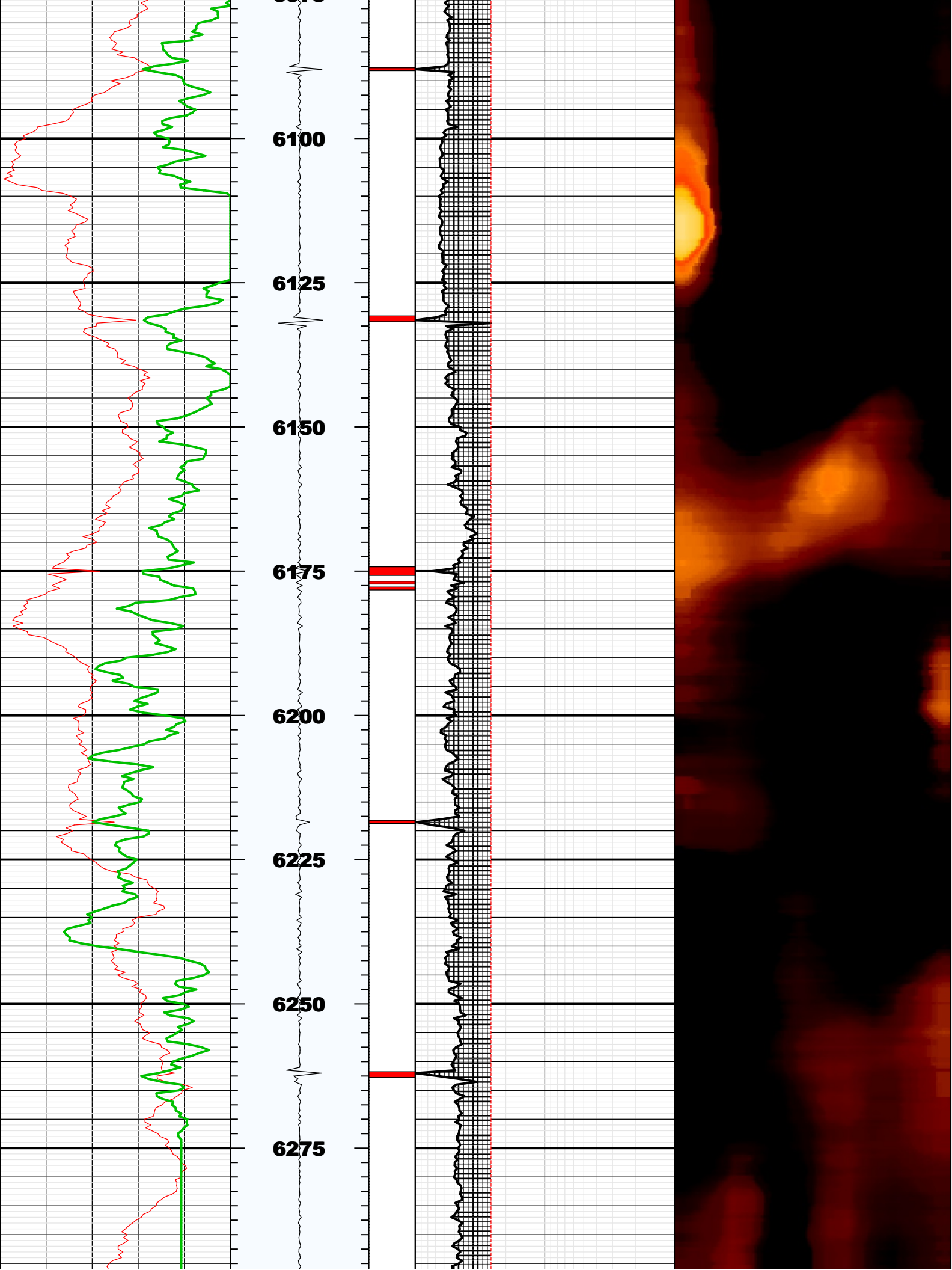


BS	8.75000	IN	Bit Size
CASG	P110		Casing Grade
CDIA	7.00000	IN	Casing Outer Diameter
CSID			
CSIZ	7.00000	IN	Current Casing Size
CWEI	26.00000	LB/F	Casing Weight
DFD	8.40000	LB/G	Drilling Fluid Density
DFVL	206.00000	US/F	Default Fluid Velocity
DO			
DOT	2.87400	IN	Diameter of Transducer Sensor
EMXV	52	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	1.73000	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
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Field: Wildcat







Fluid Properties Used for Main Pass

