

Company: Noble Energy Inc

Well: Rohn State LD10-65-1HN
Field: Wildcat
County: Weld State: Colorado

County: Weld		USI-LITE (2500 psi)	
Field: Wildcat			
Location: NESE Sec. 9 T9N R58W			
Well: Rohn State LD10-65-1HN			
Company: Noble Energy Inc			
LOCATION			
Permanent Datum:		Elev: K.B. 4732.0 F	
Log Measured From:		G.L. 4716.0 F	
Drilling Measured From:		D.F. 4731.0 F	
GL KB KB			
API Serial No. 05-123-37621-0000	Section 9	Township 9N	Range 58W
Logging Date	21-Nov-2014		
Run Number	ONE		
Depth Driller	10243.0 F		
Schlumberger Depth	10243.0 F		
Bottom Log Interval	5965.0 F		
Top Log Interval	0.0 F		
Casing Fluid Level	0.0 F		
Salinity			
Density	8.50 LB/G		
Fluid Level	0.0 F		
BIT/CASING/TUBING STRING			
Bit Size	8.750 IN		
From	-999.2 F		
To	10243.0 F		
Casing Size	7.00 IN		
Weight	26.00 LB/F		
Grade	P110		
From	0.0 F		
To	6138.7 F		
Max Recorded Temp	222.9		
Logger on bottom (date)	21-Nov-2014		
Location	Fort Morgan		
Recorded By	Nolan Welsh		
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: 1109 Calibration Date: Calibrator Serial Number: Number Of Calibration Points: Calibration RMS: Calibration Peak Error:	Serial Number: F713384 Length: 18250.00000

DISCLAIMER

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12.5 ppg lead cement
13.6 ppg tail cement

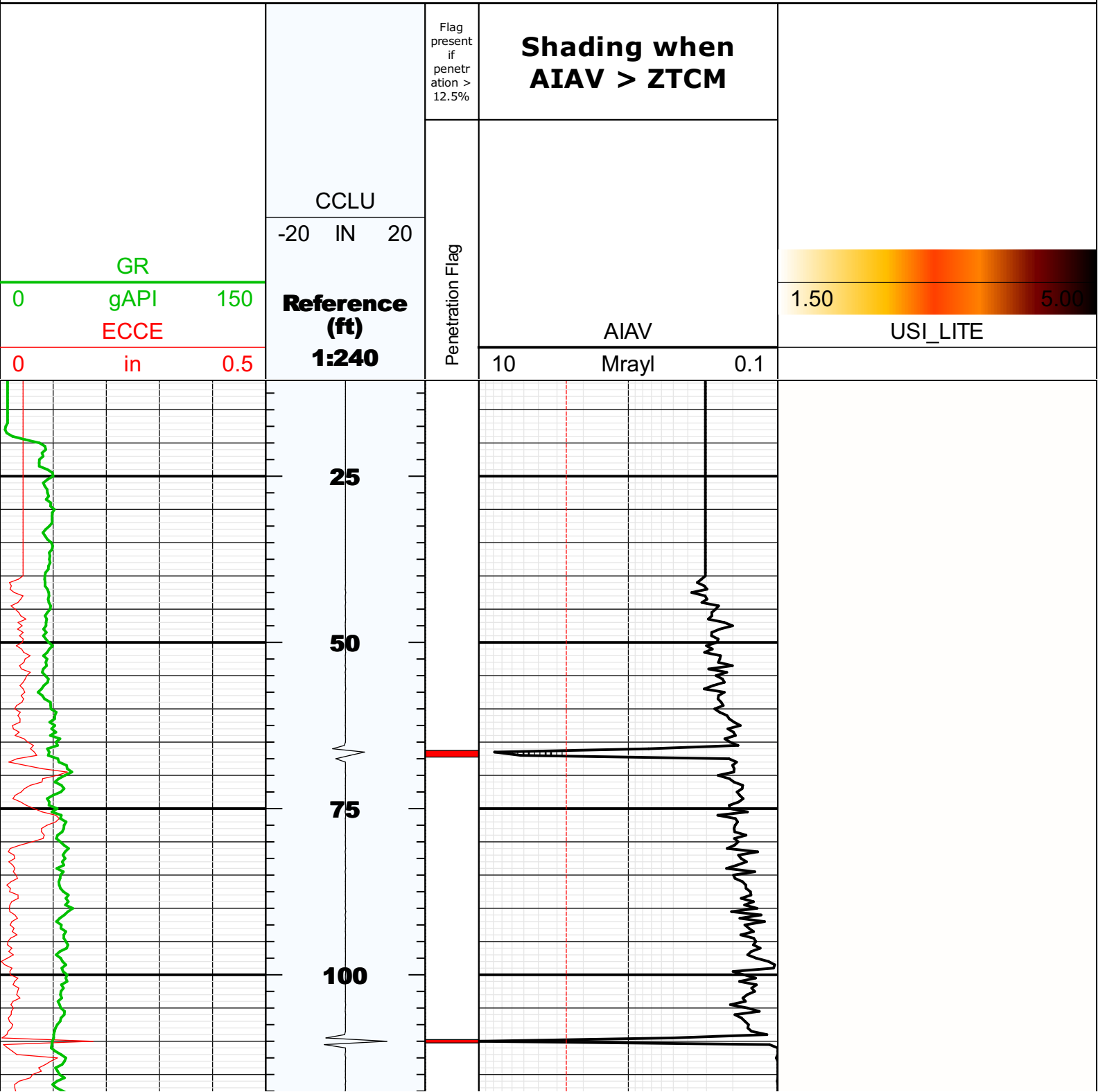
0 psi Repeat Pass
2500 psi Main Pass

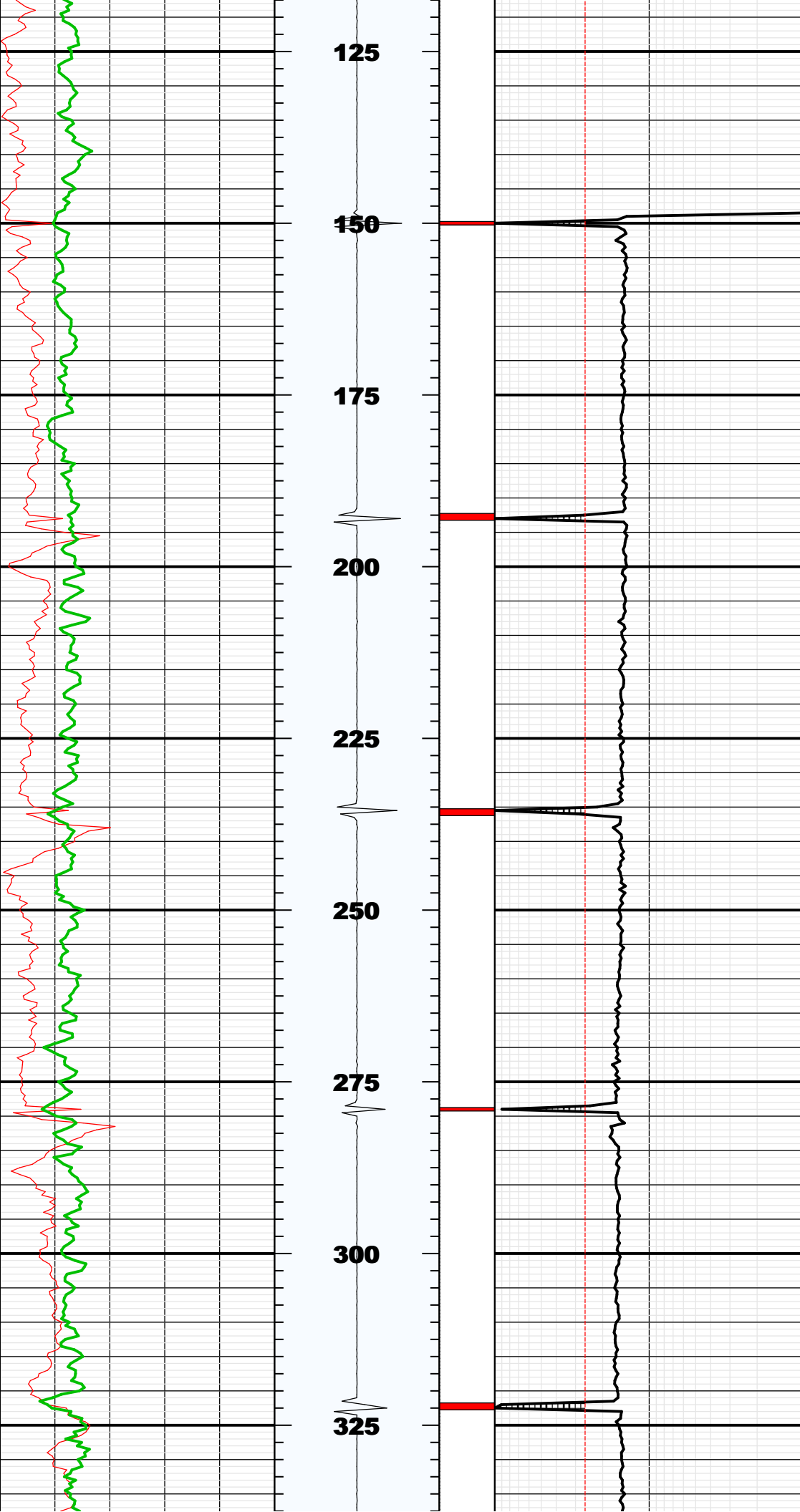
Top of Cement 735 ft.

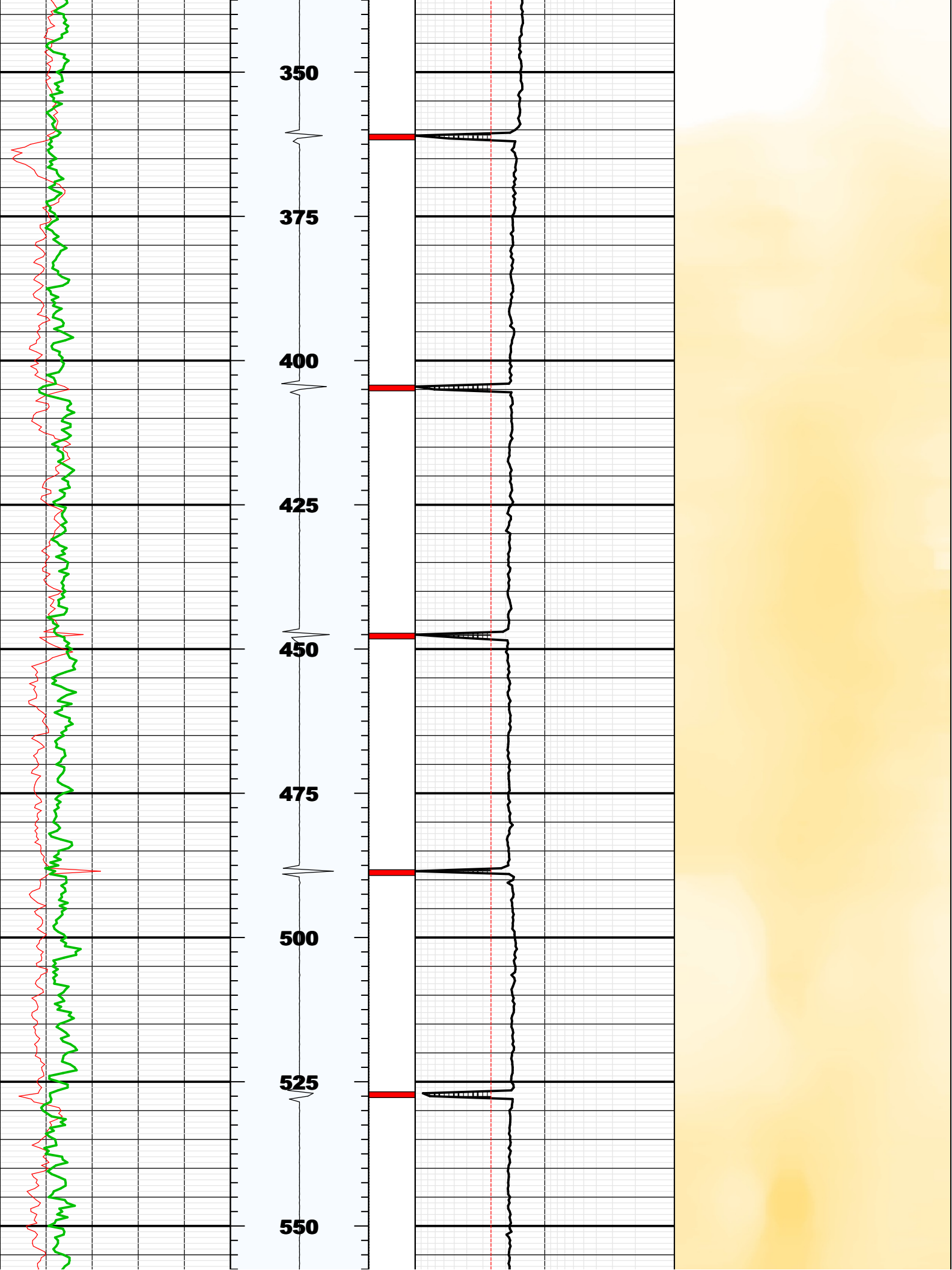
Bottom Log Temperature 223 degF measured at depth.

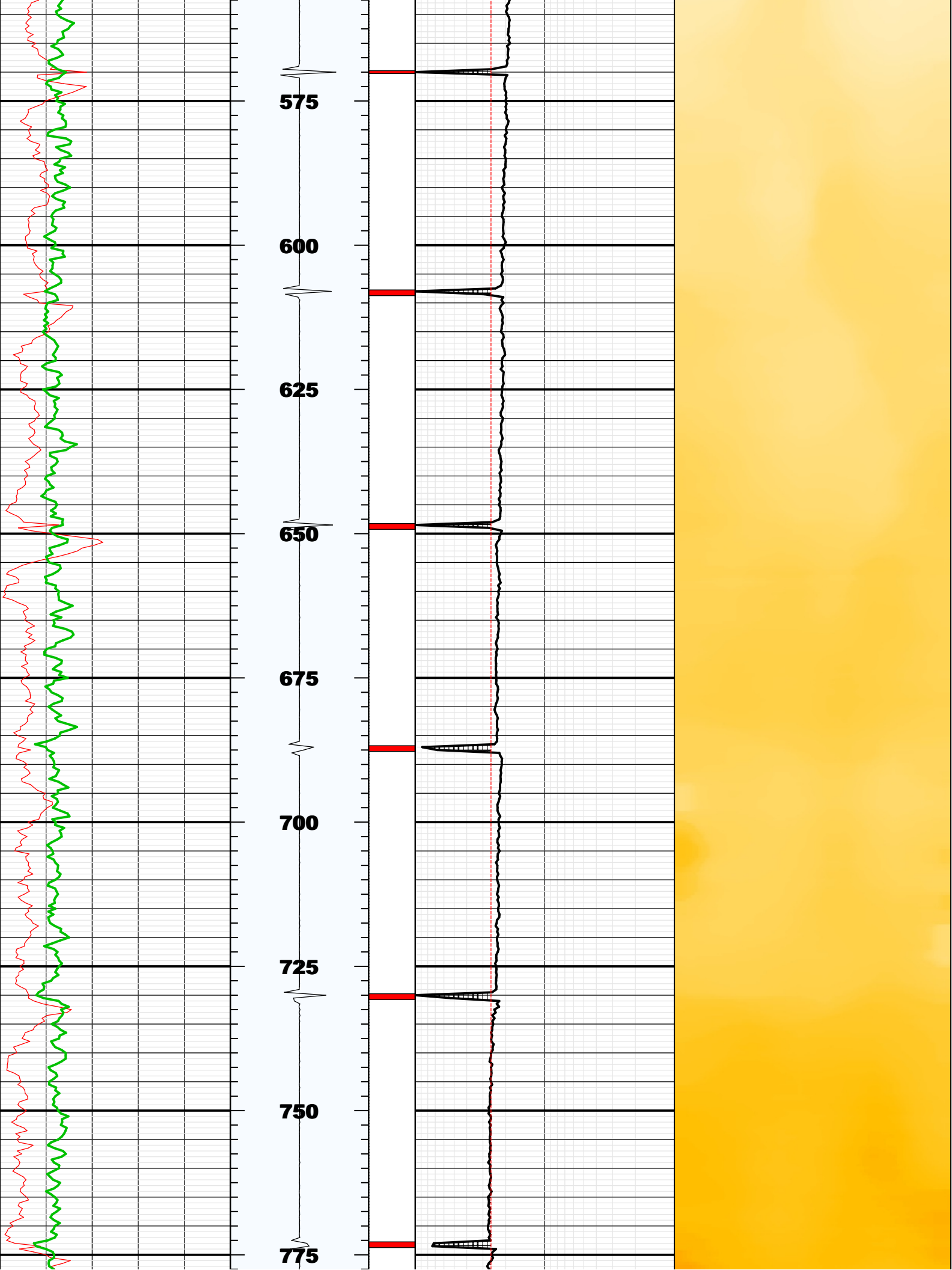
Main Pass

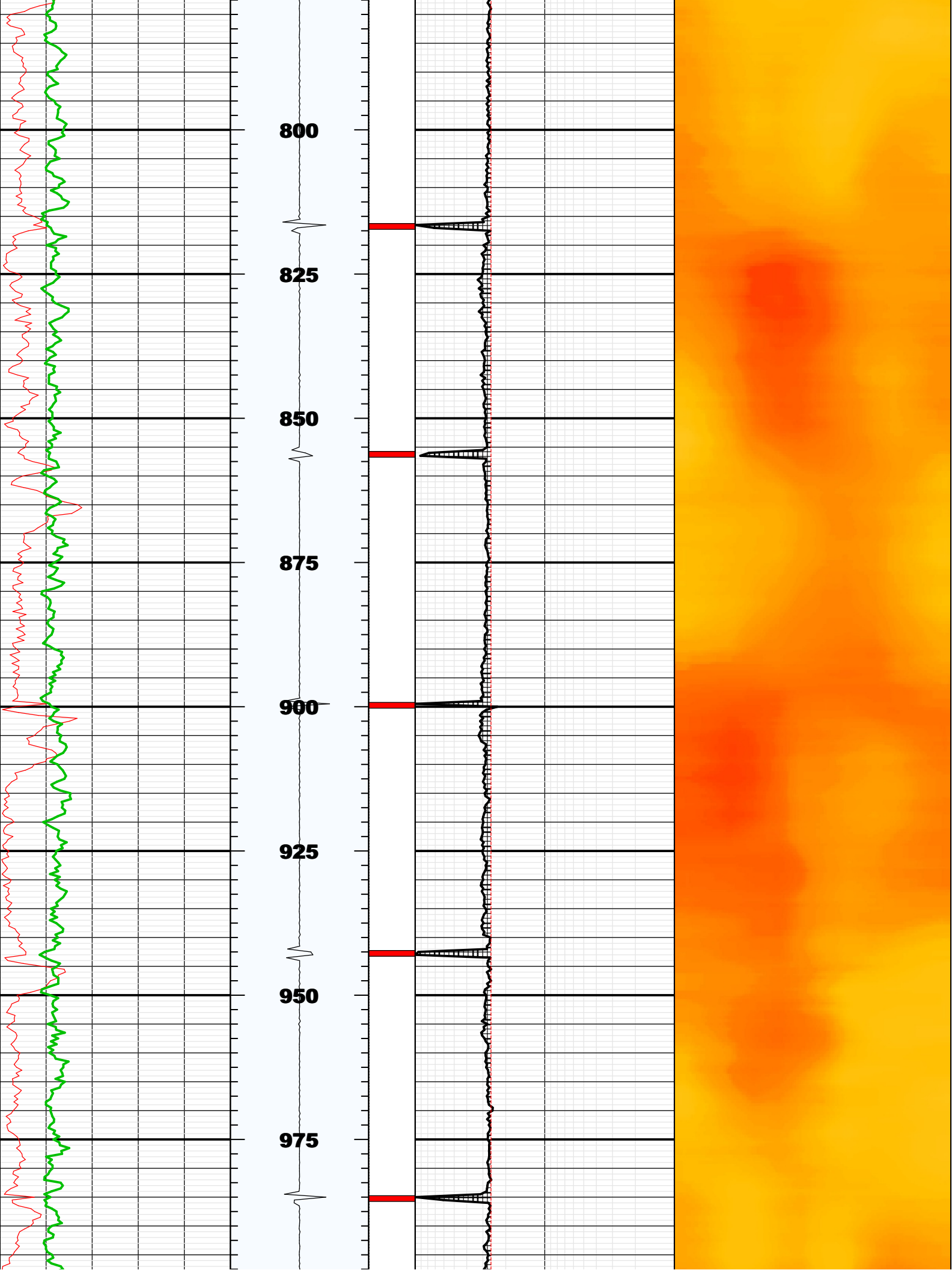
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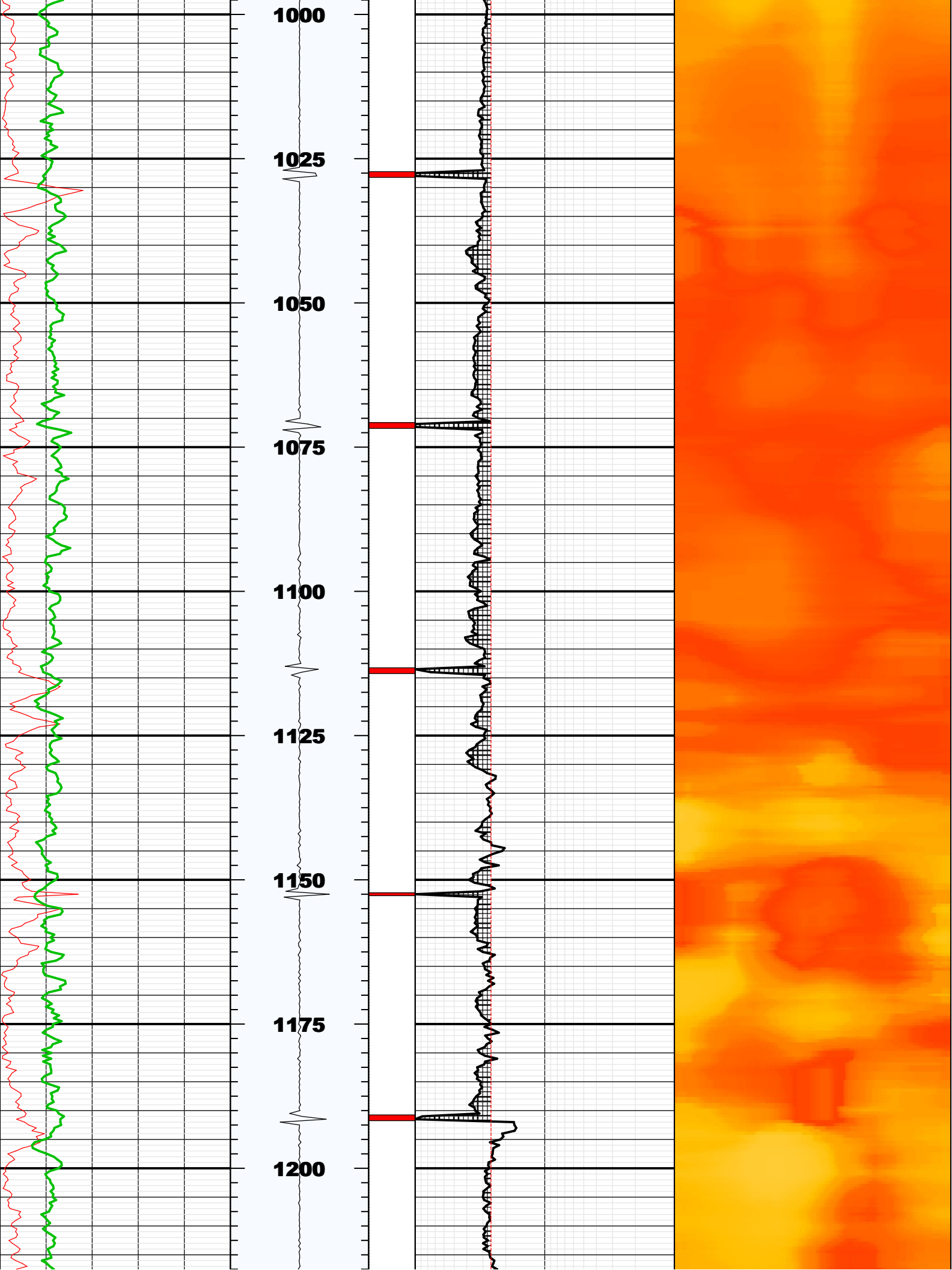


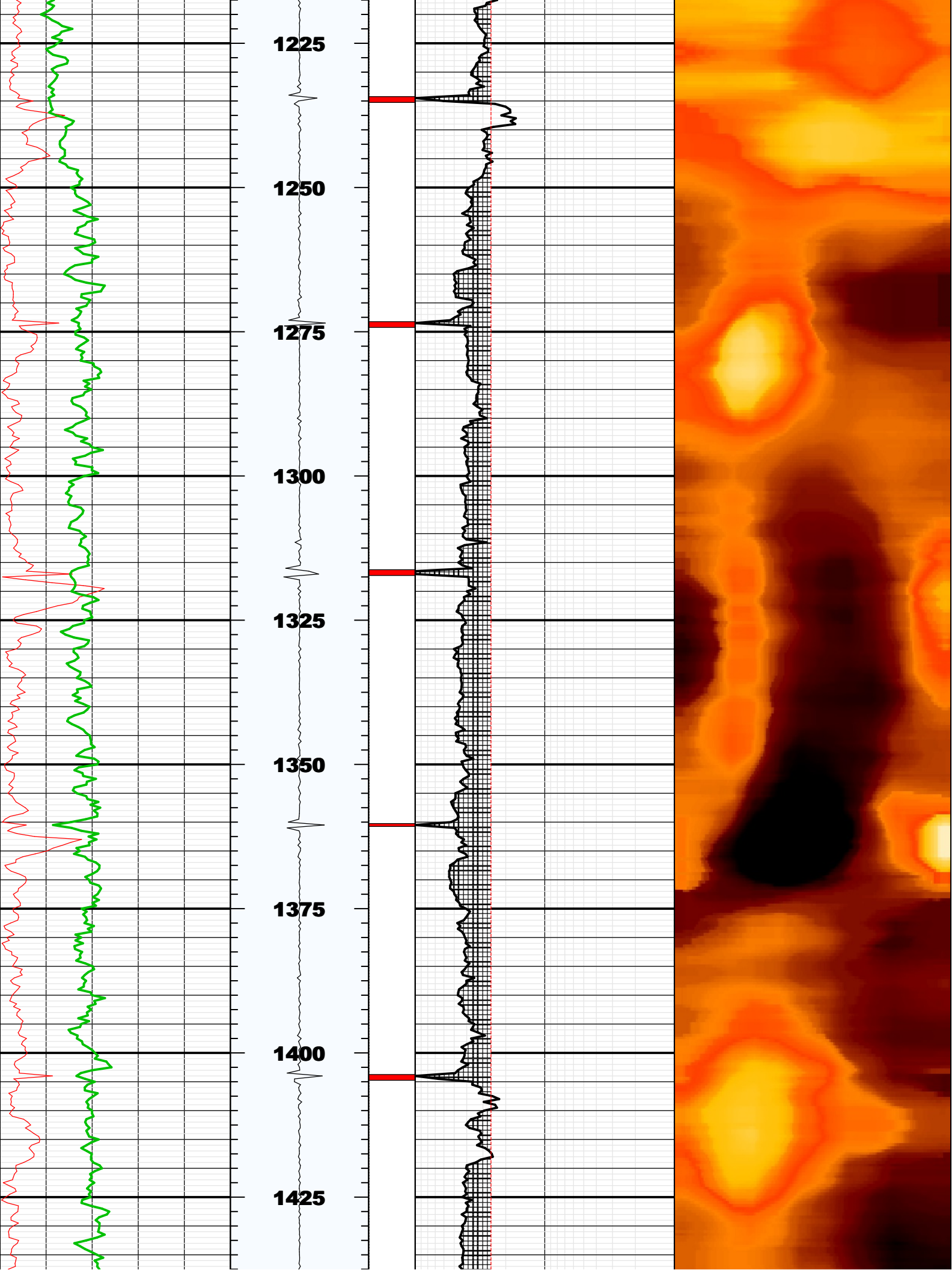


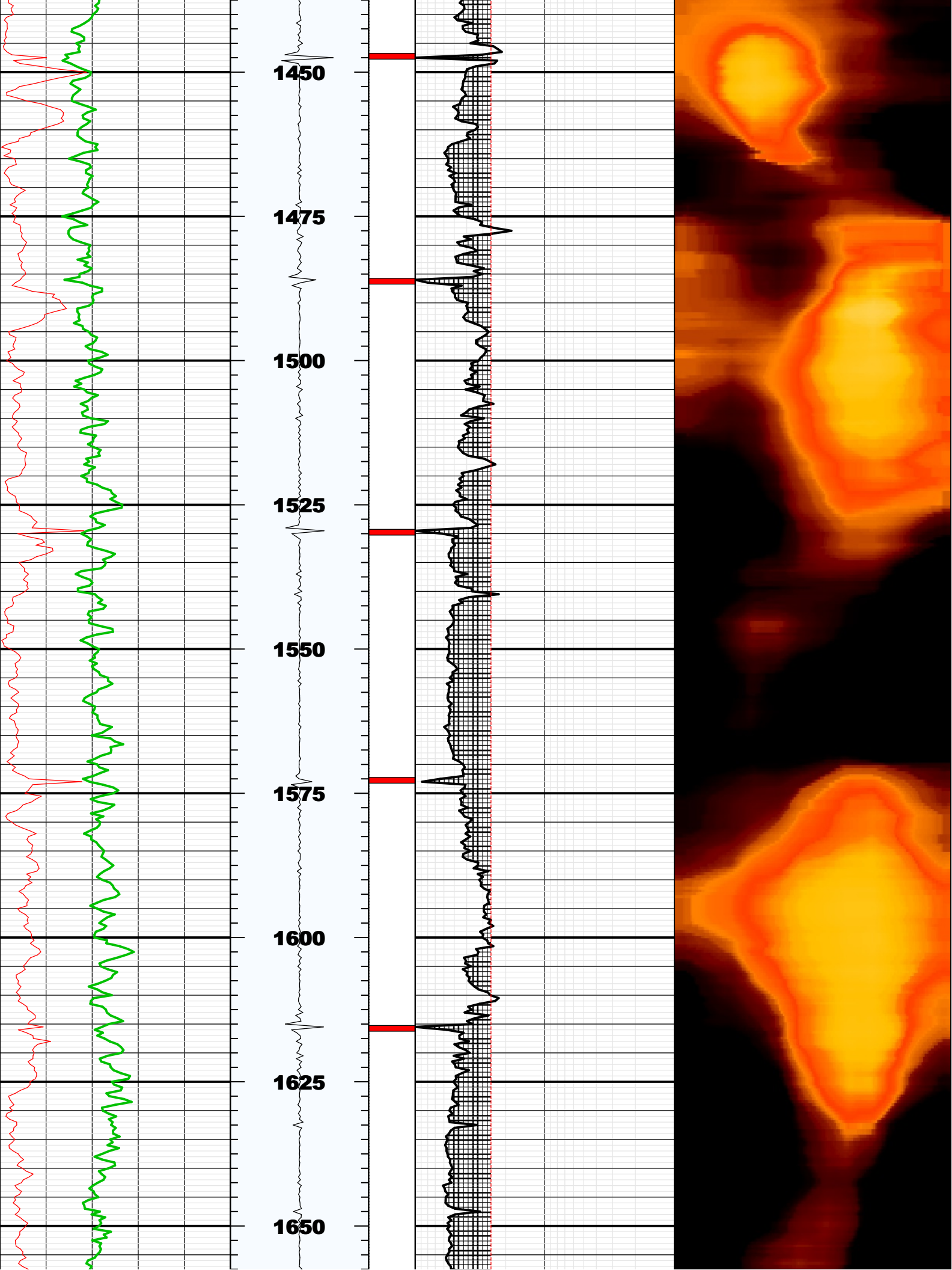


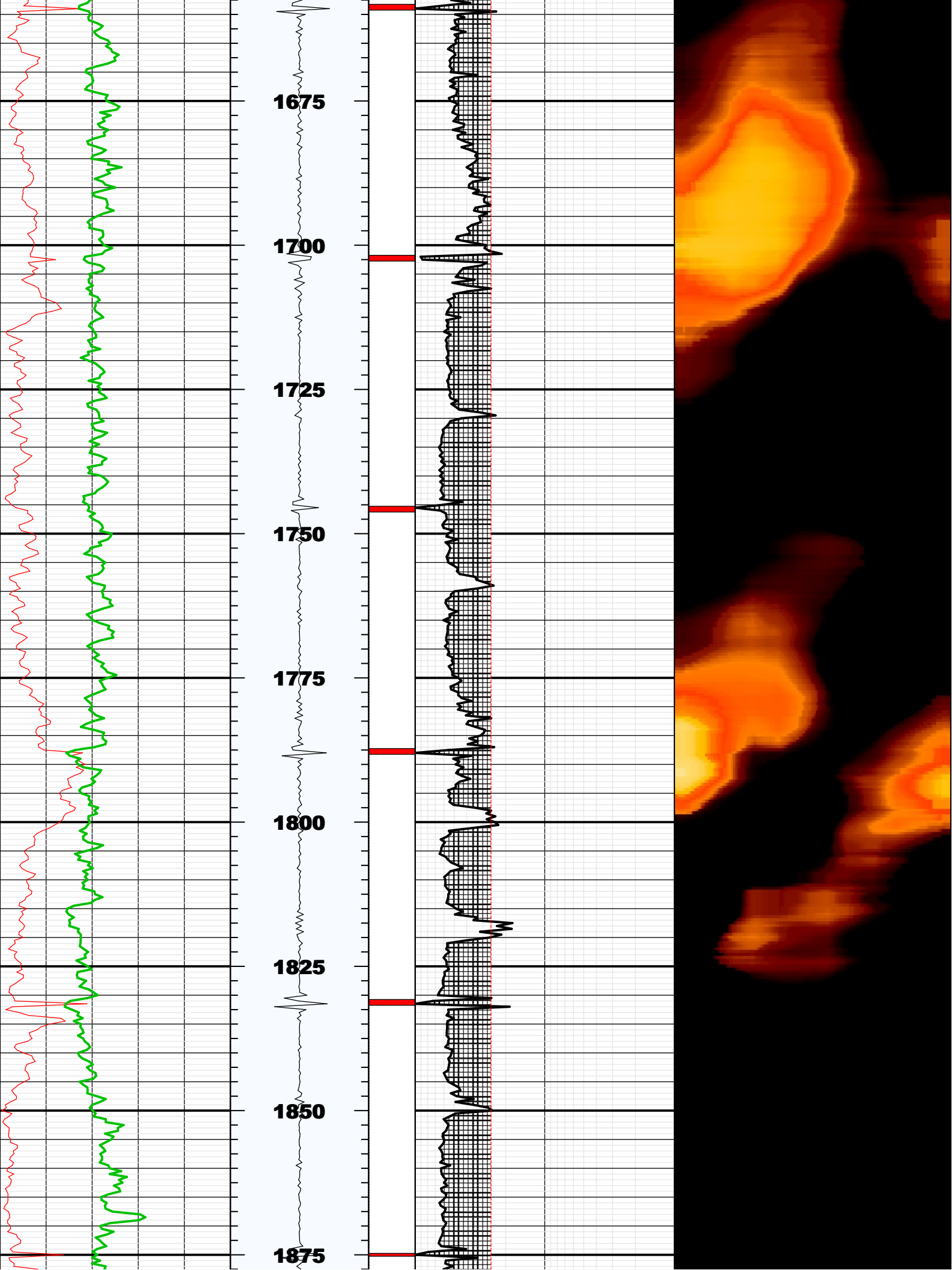


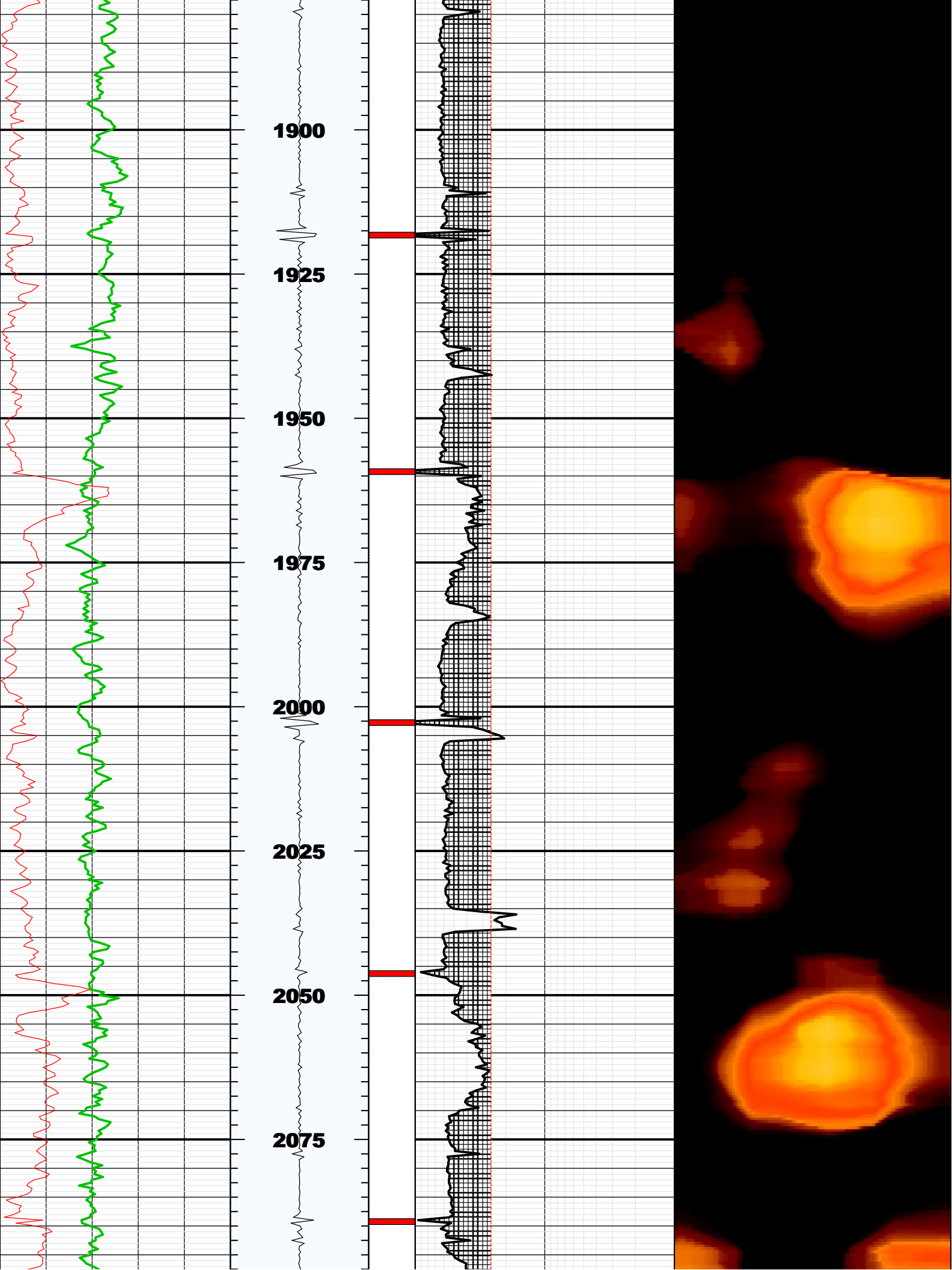


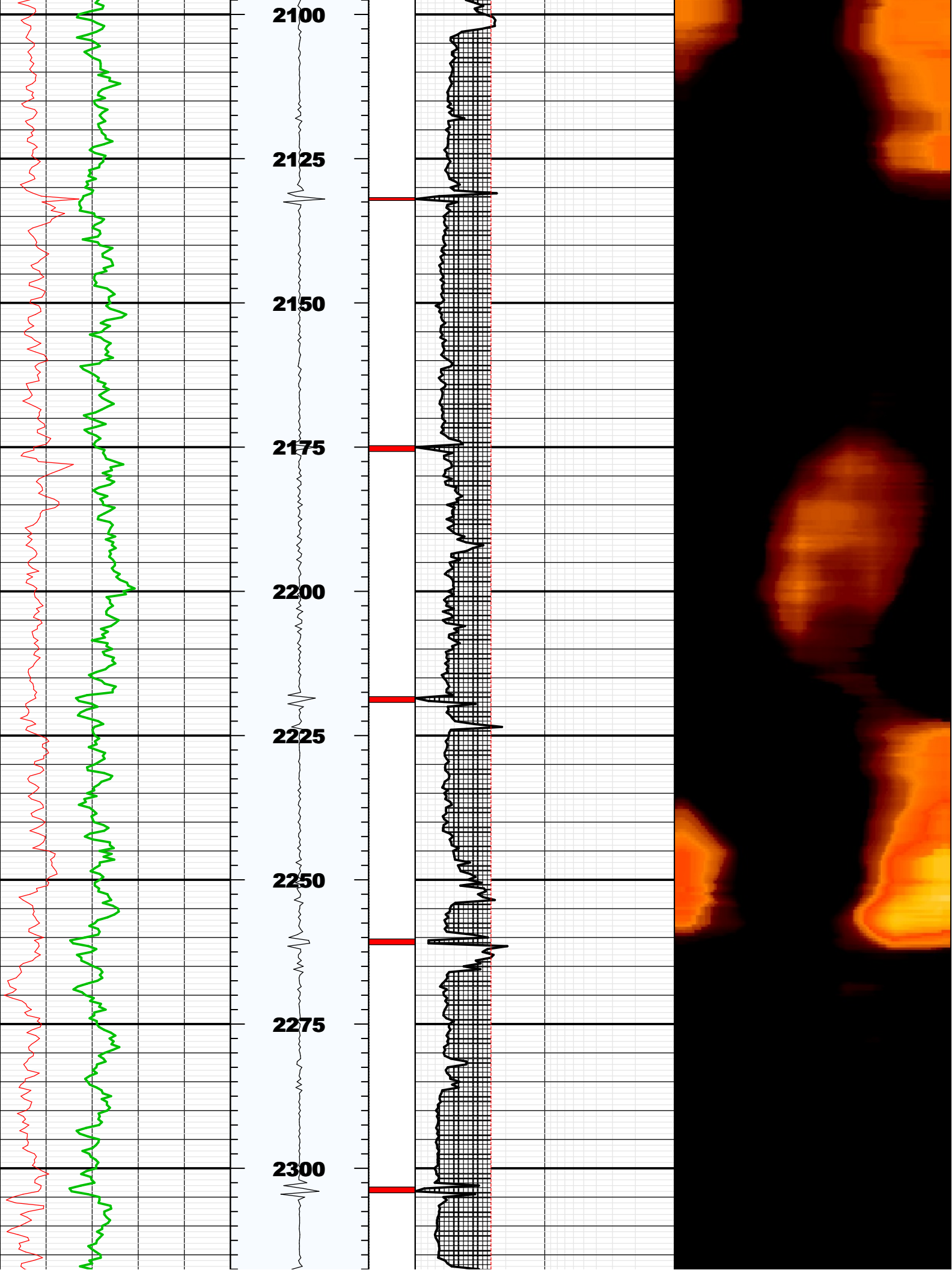


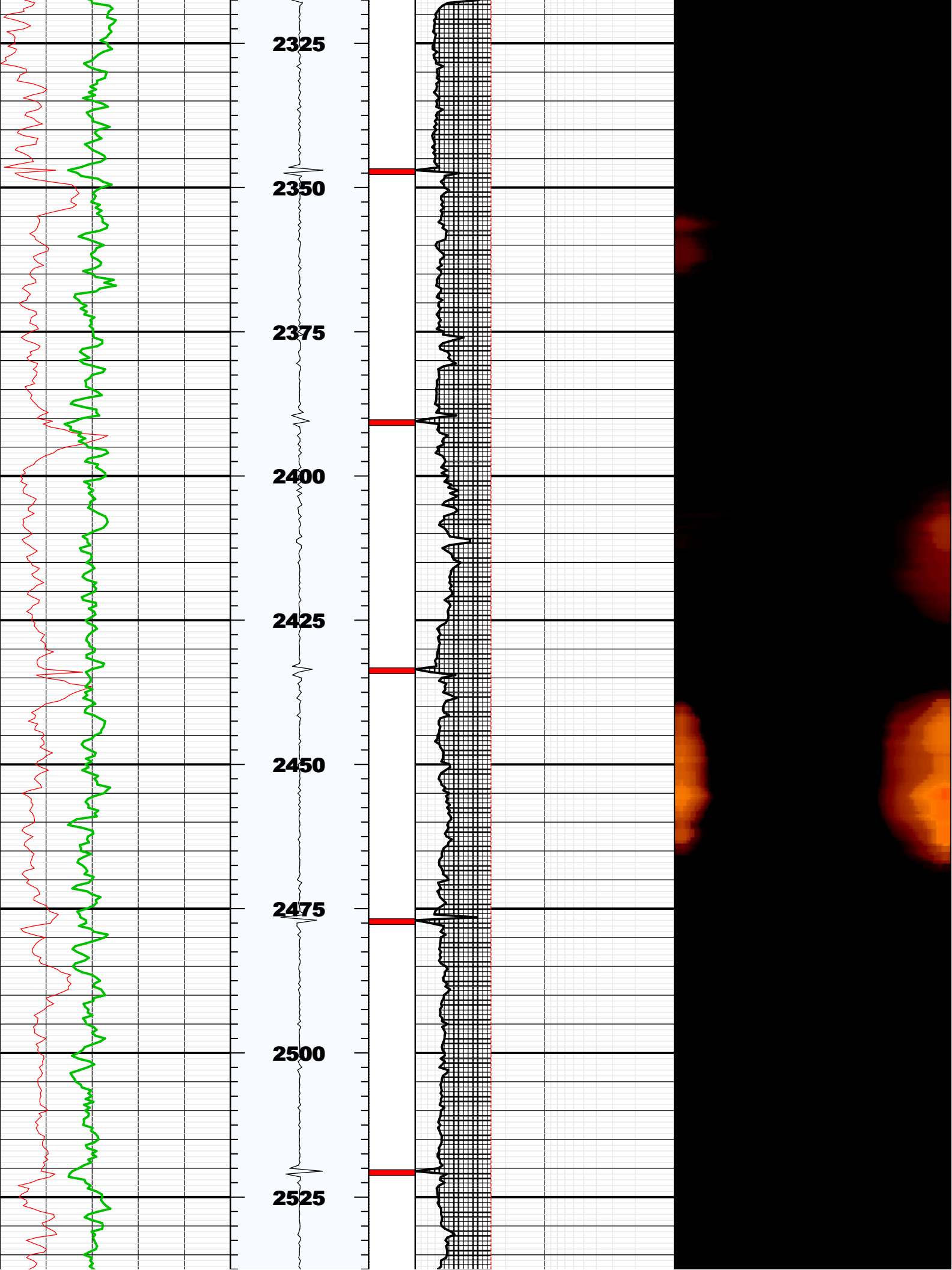


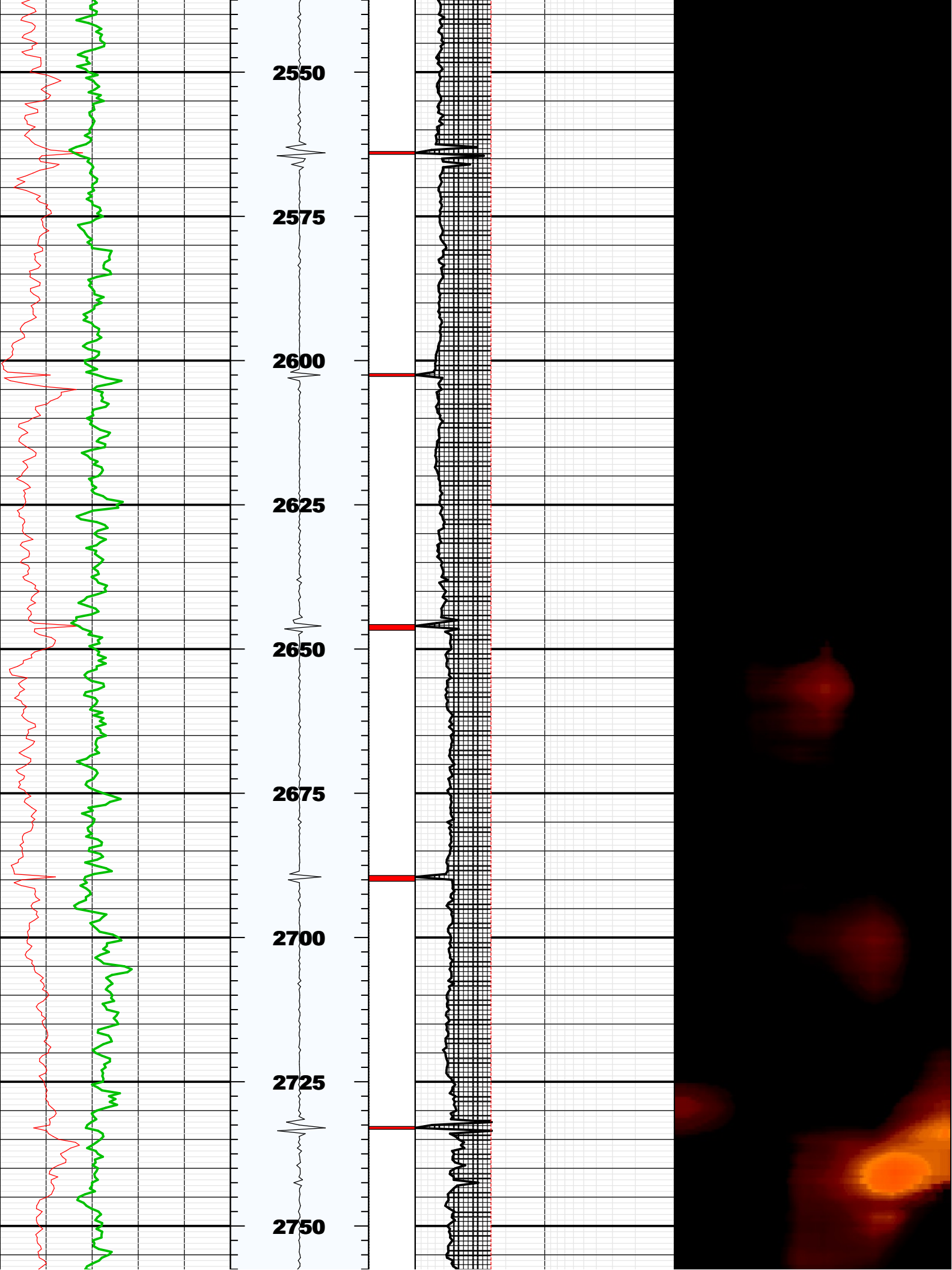


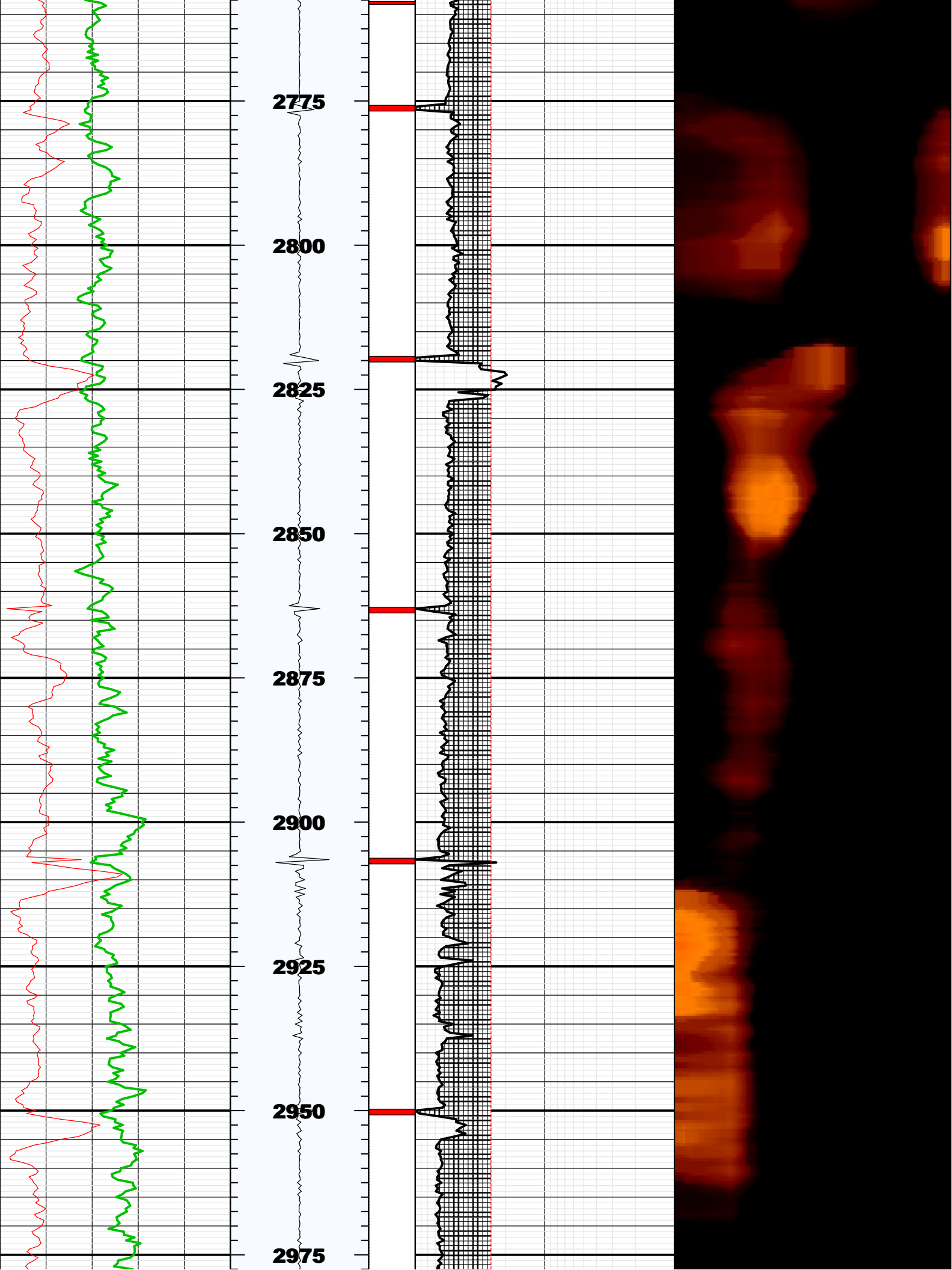


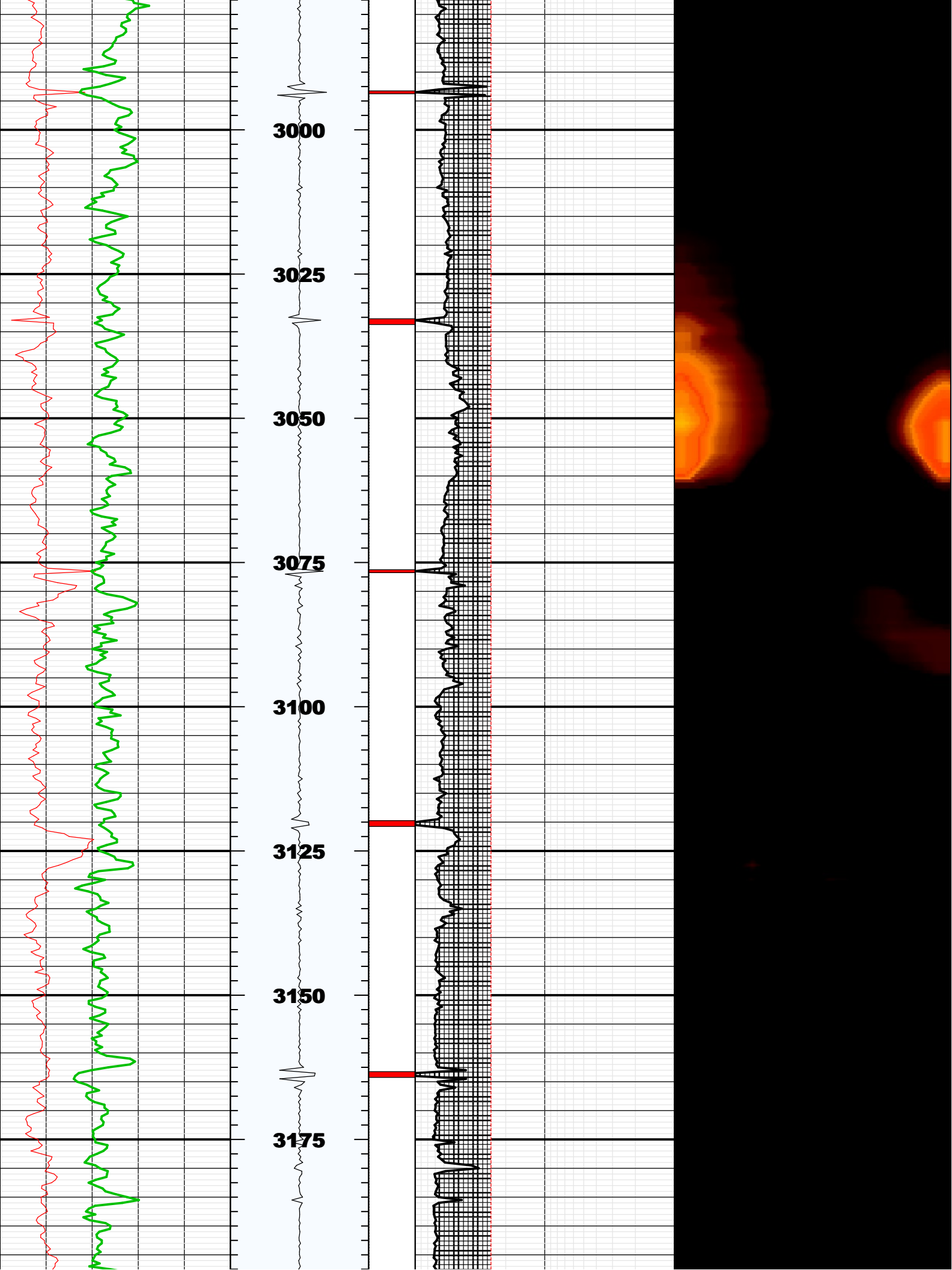


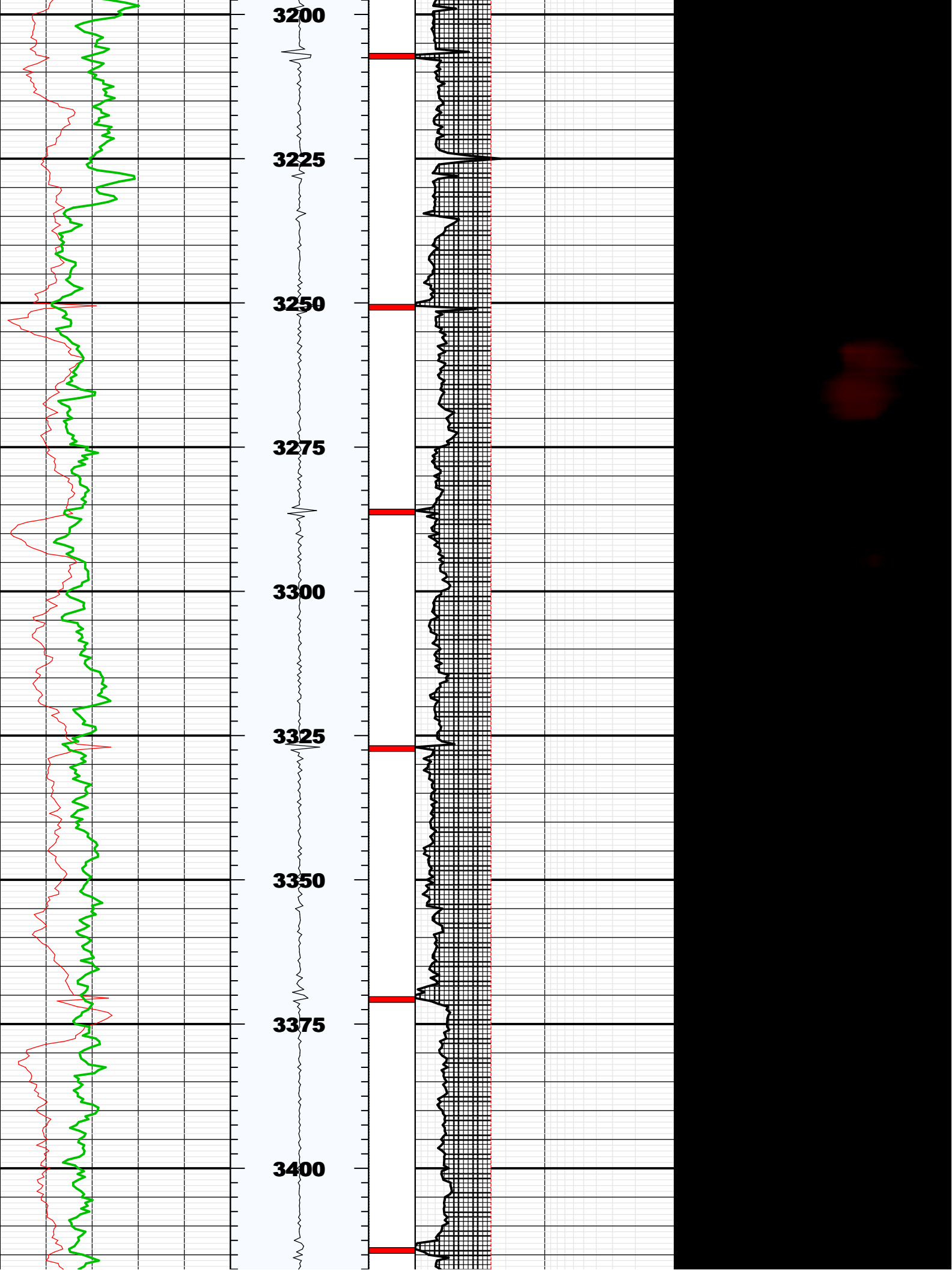


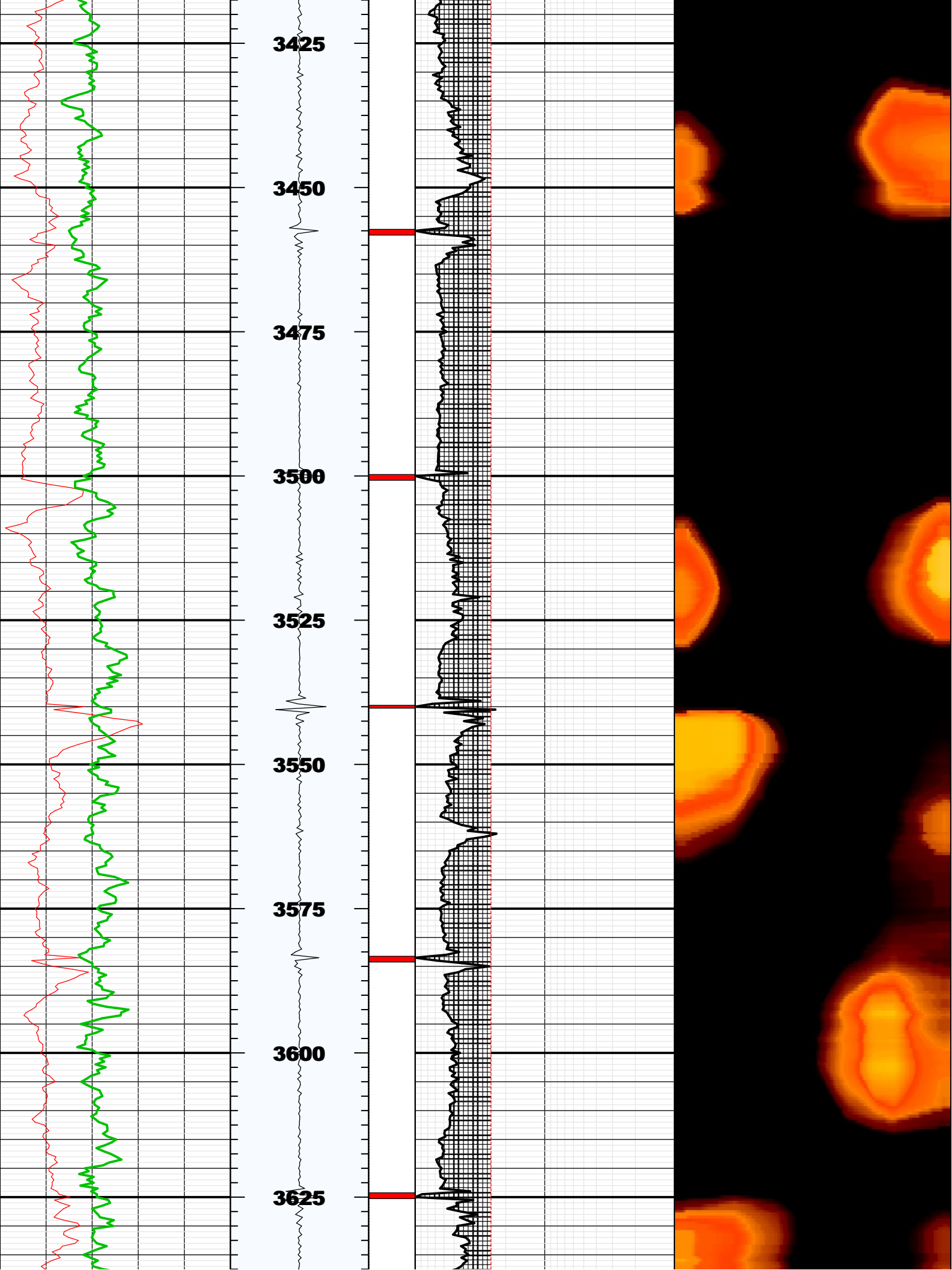


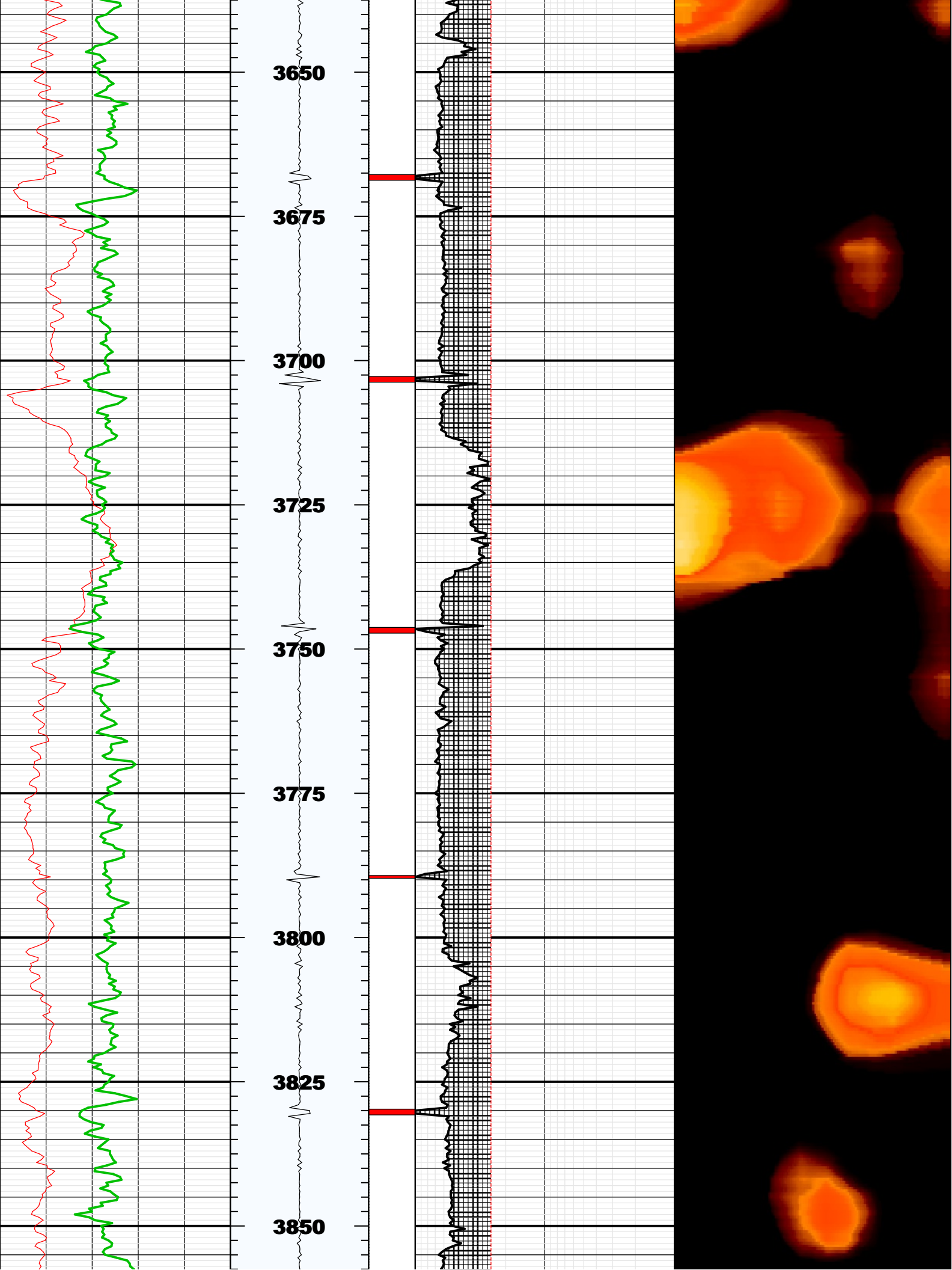


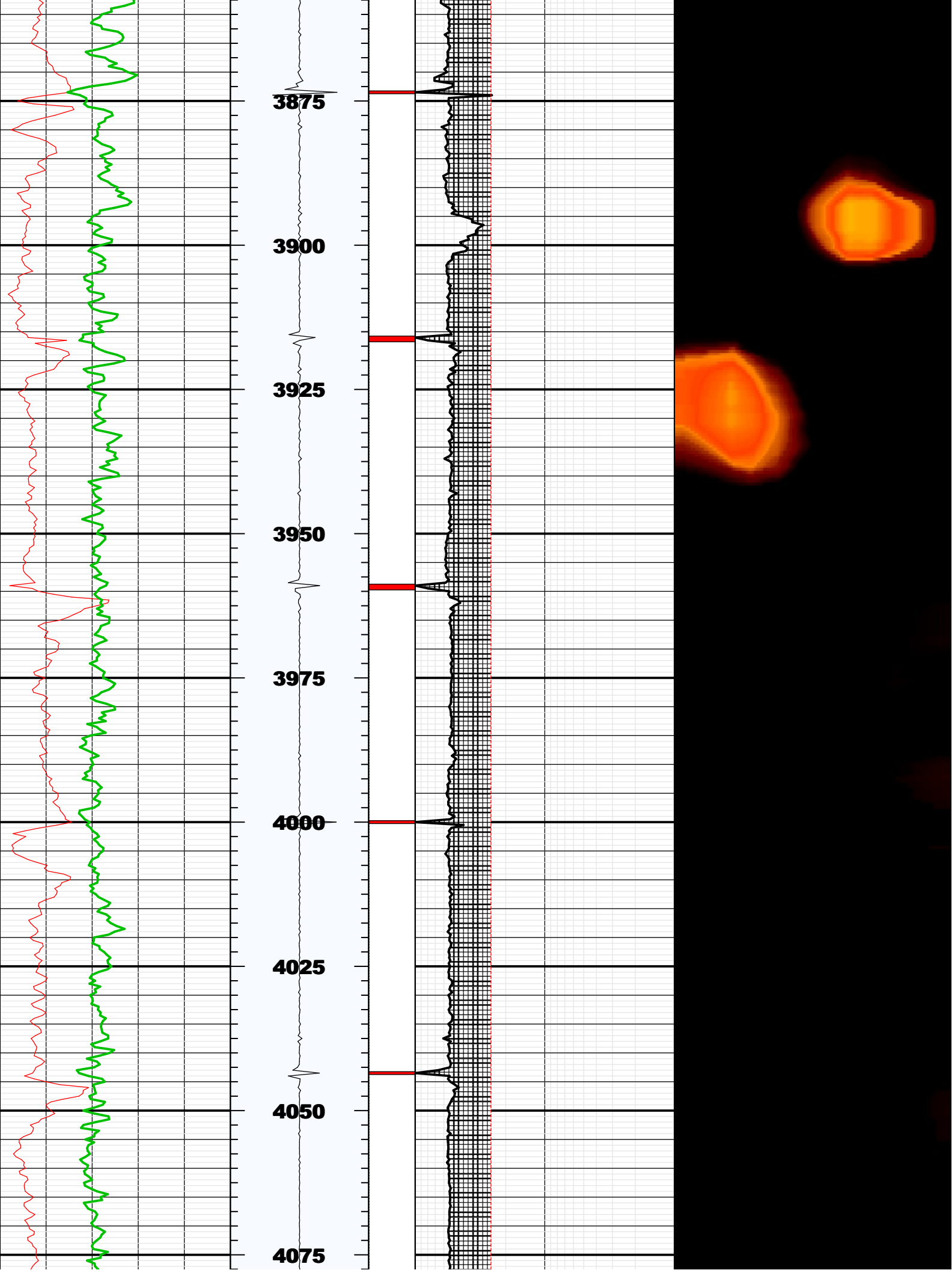


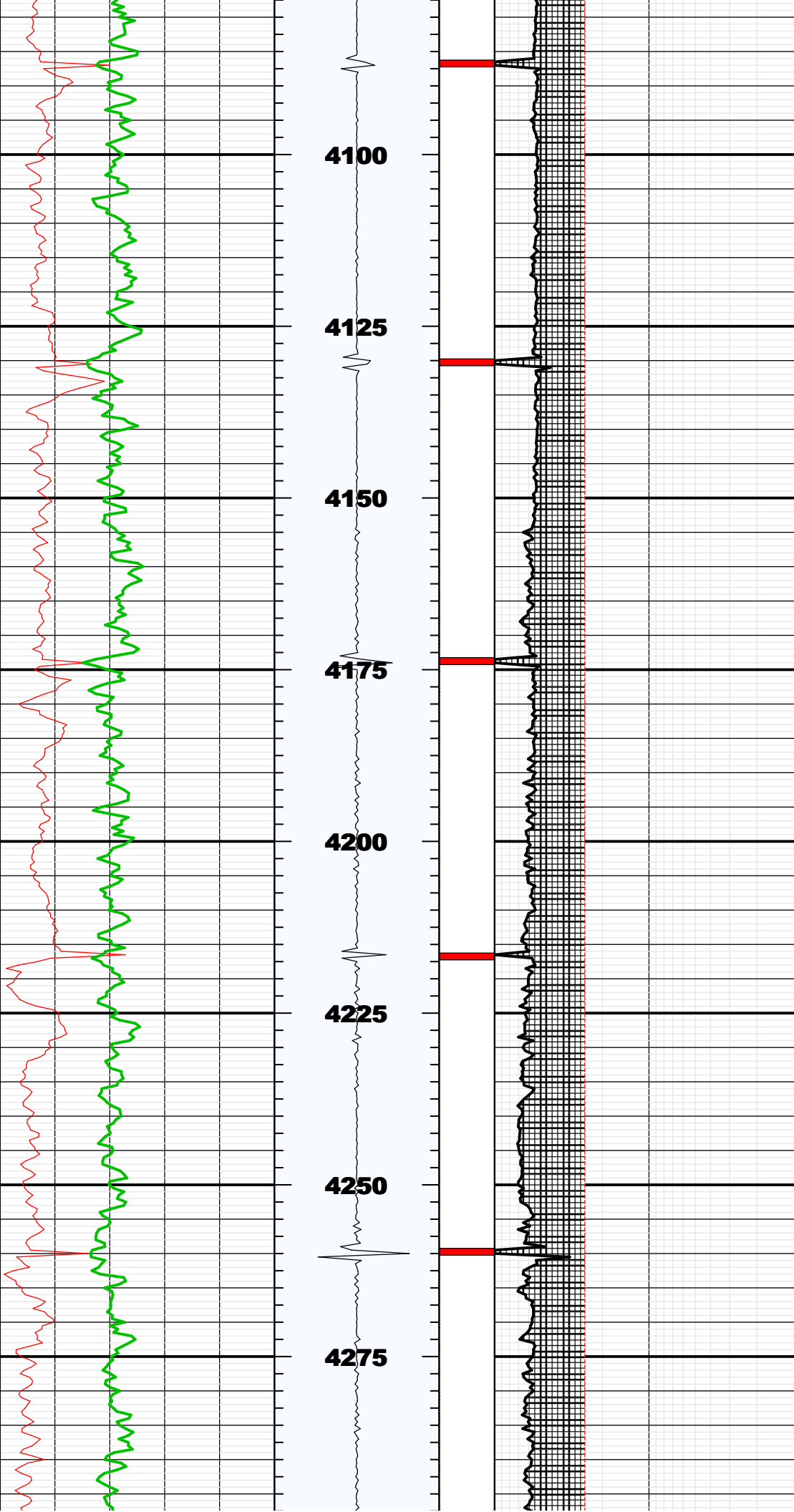


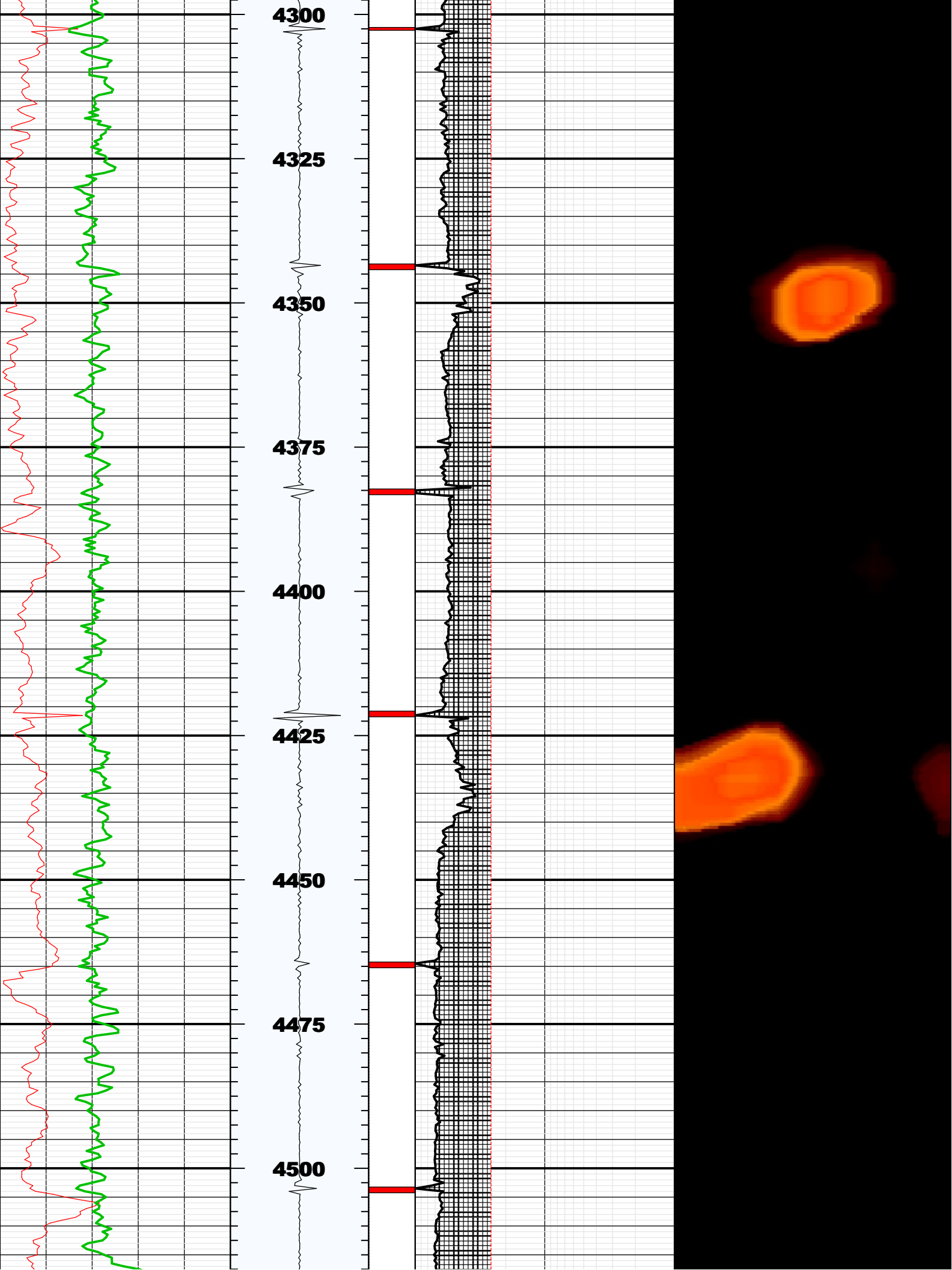


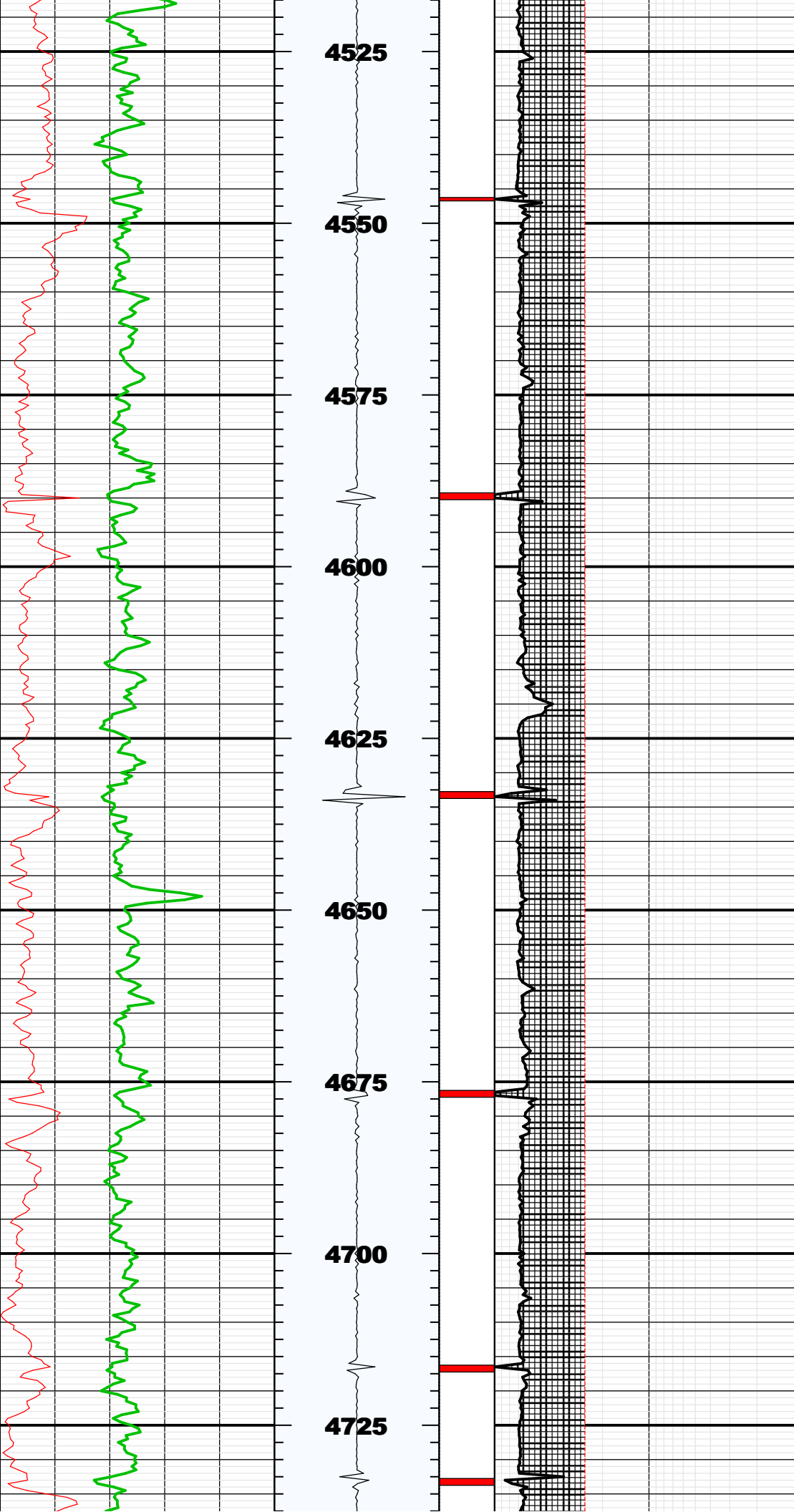


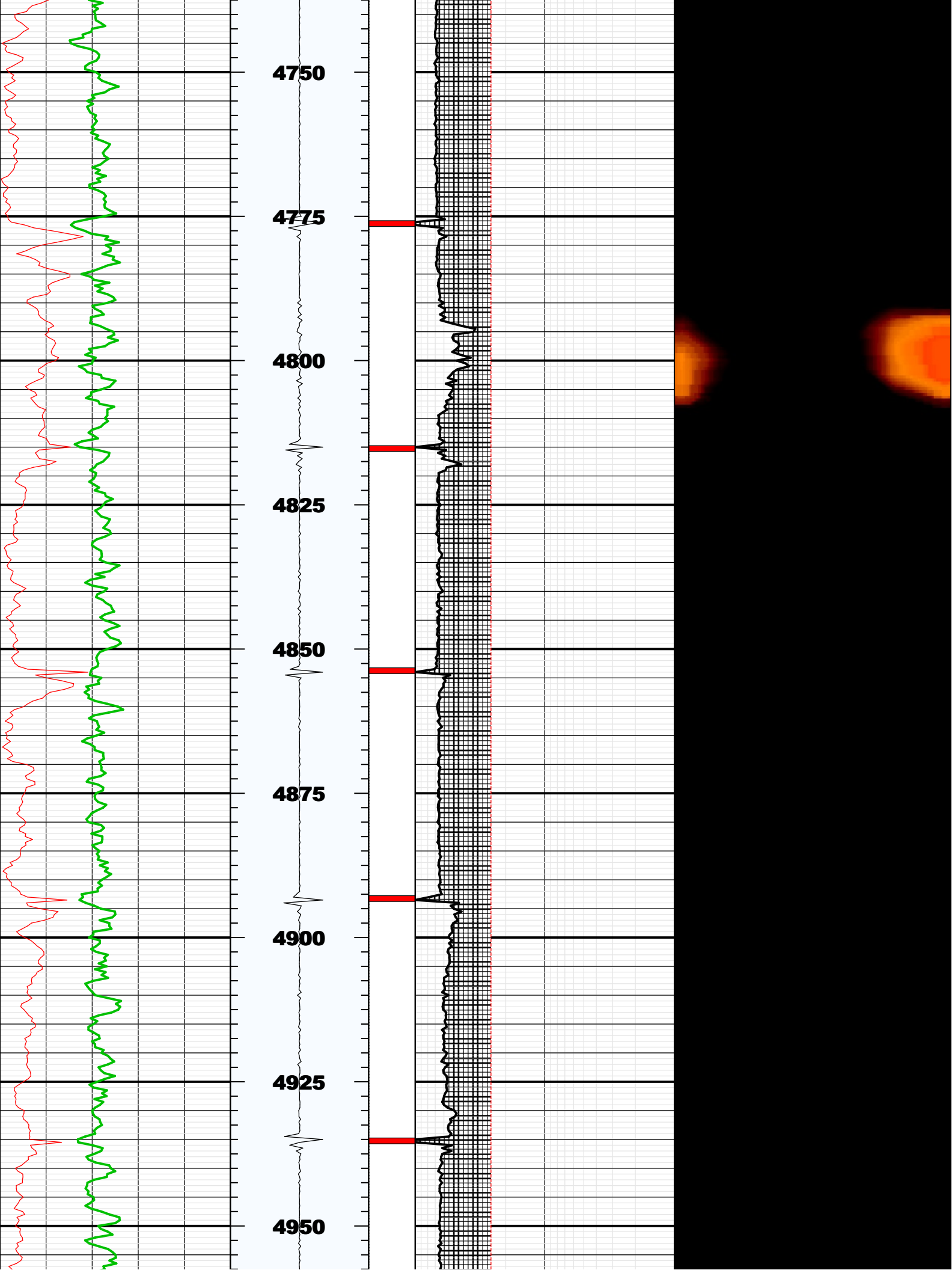


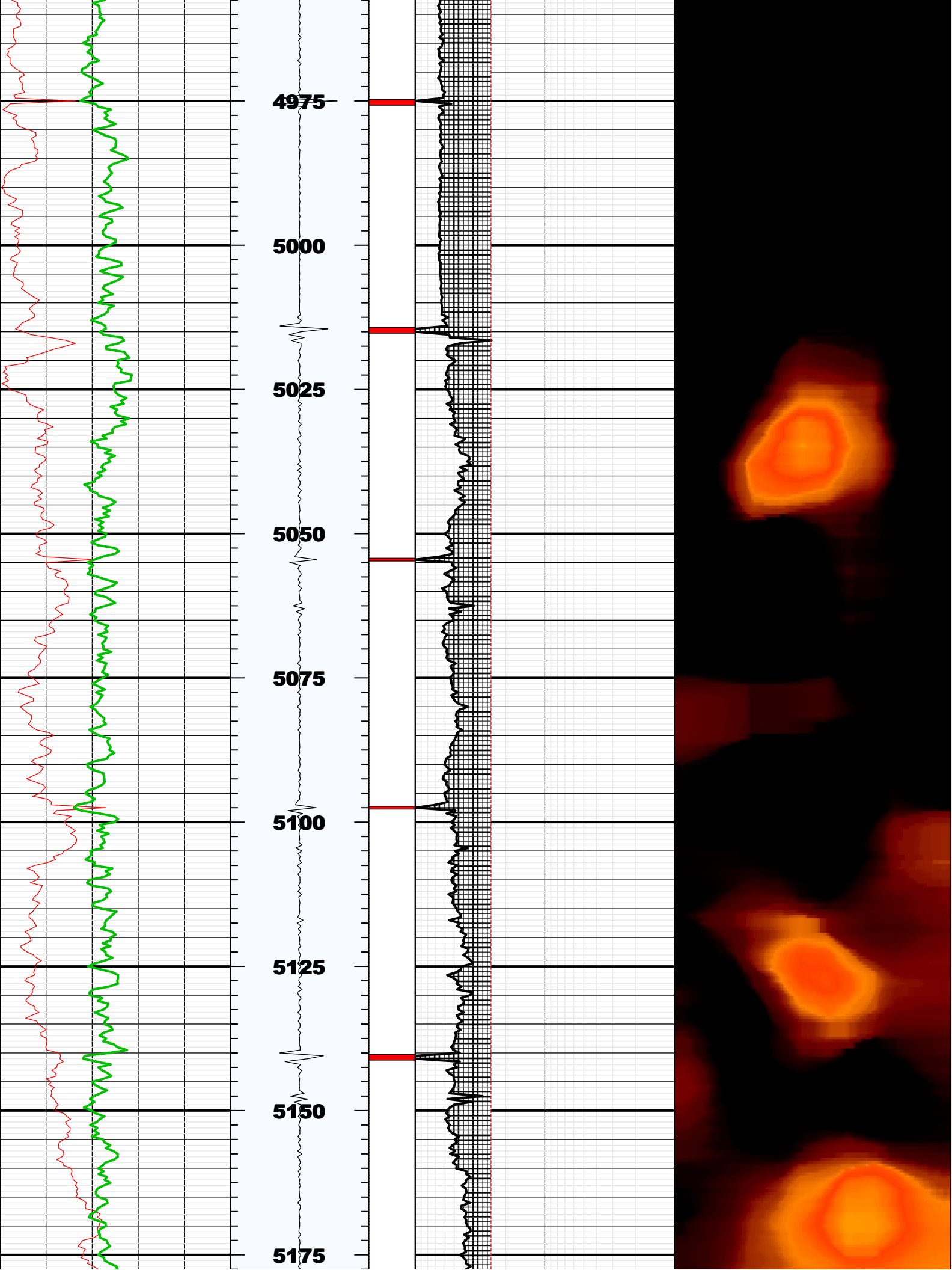


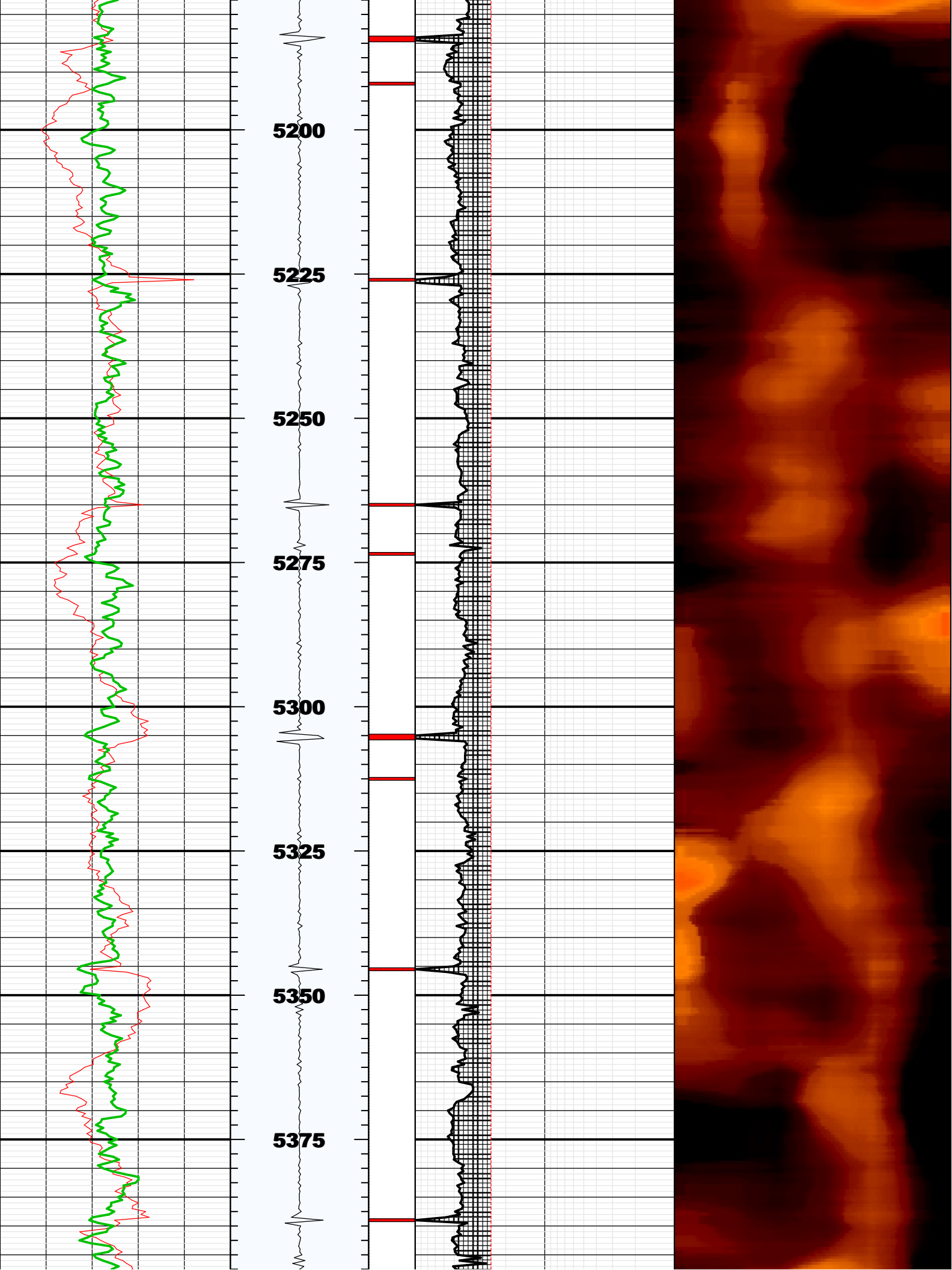


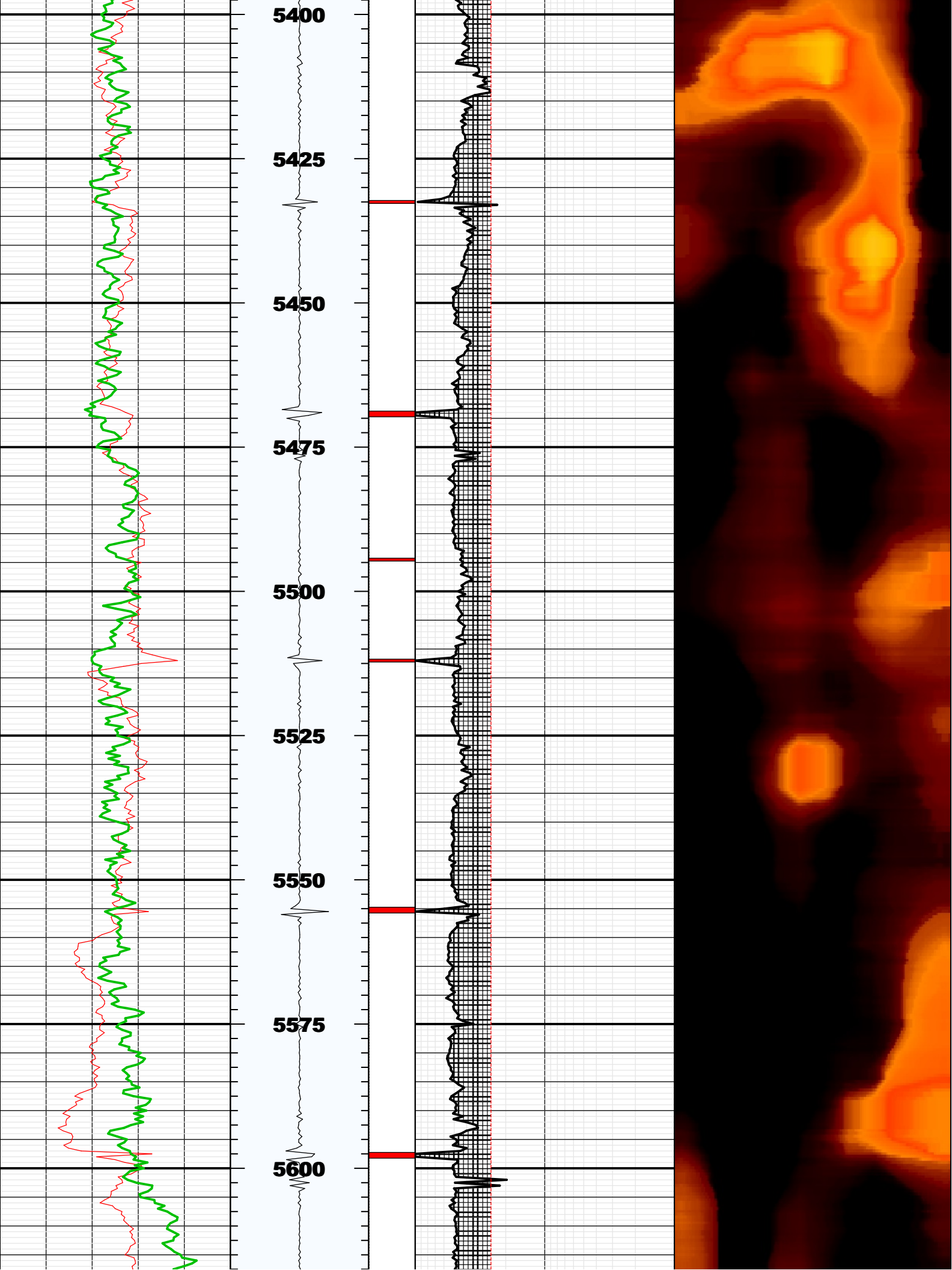


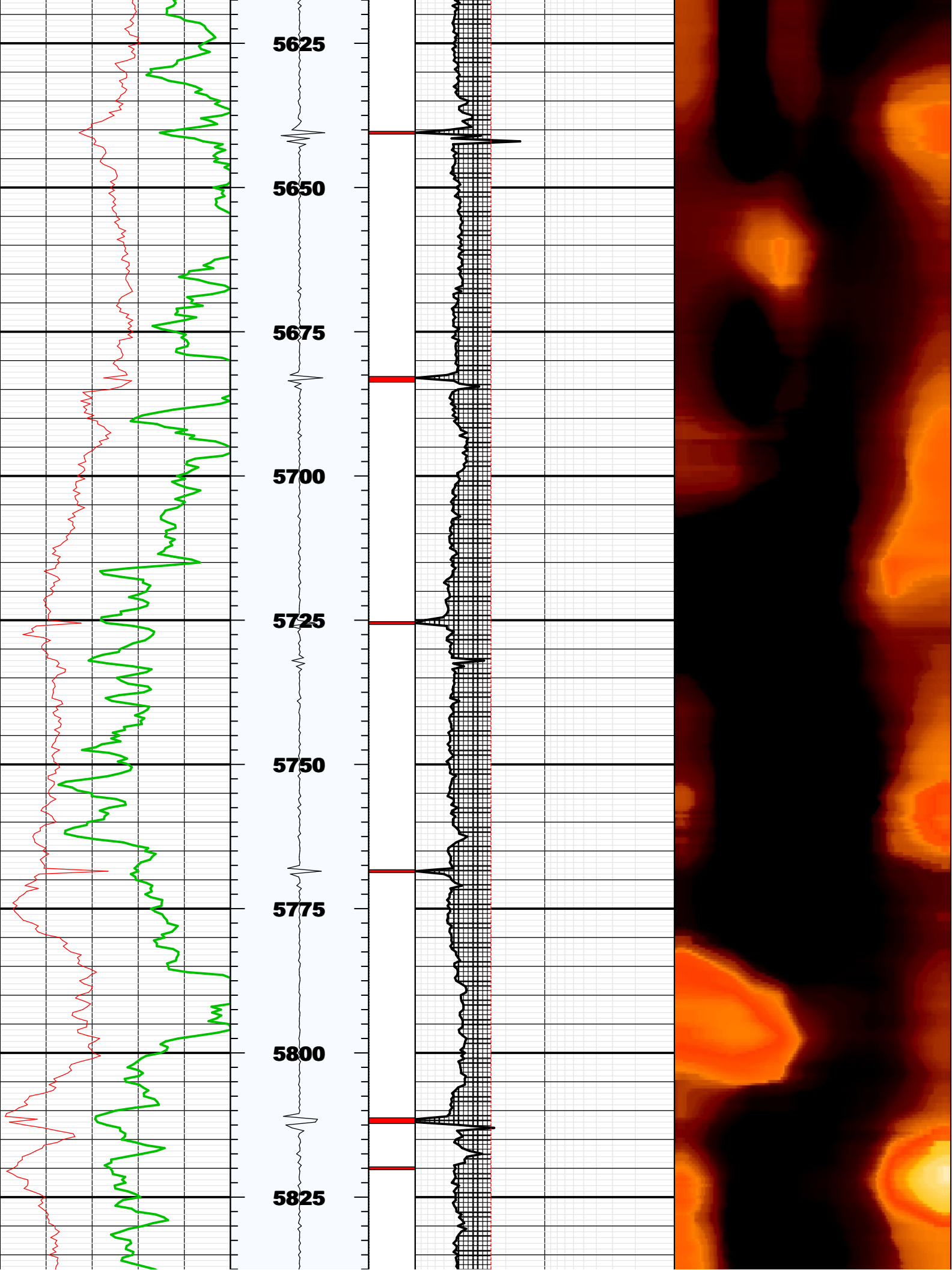


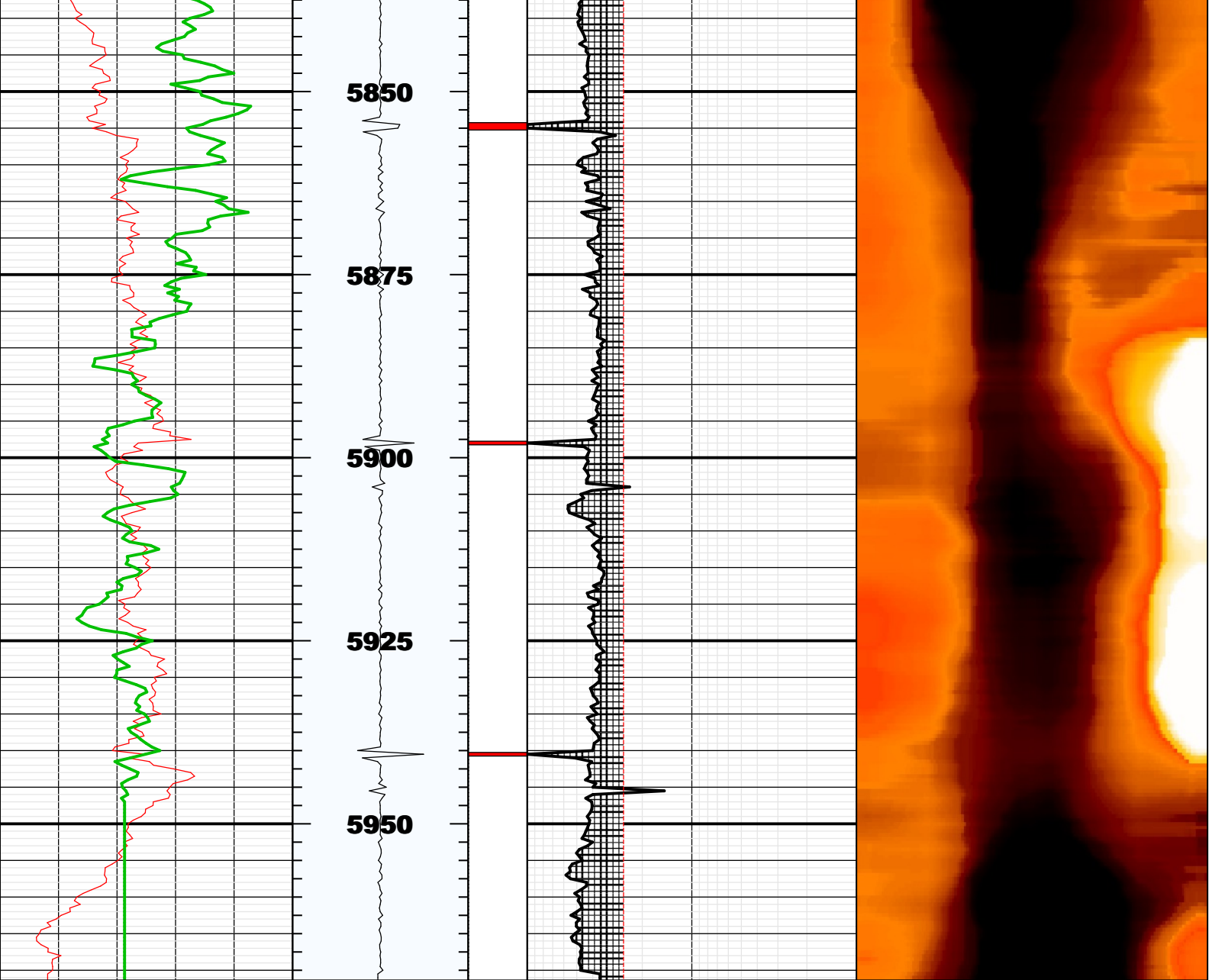








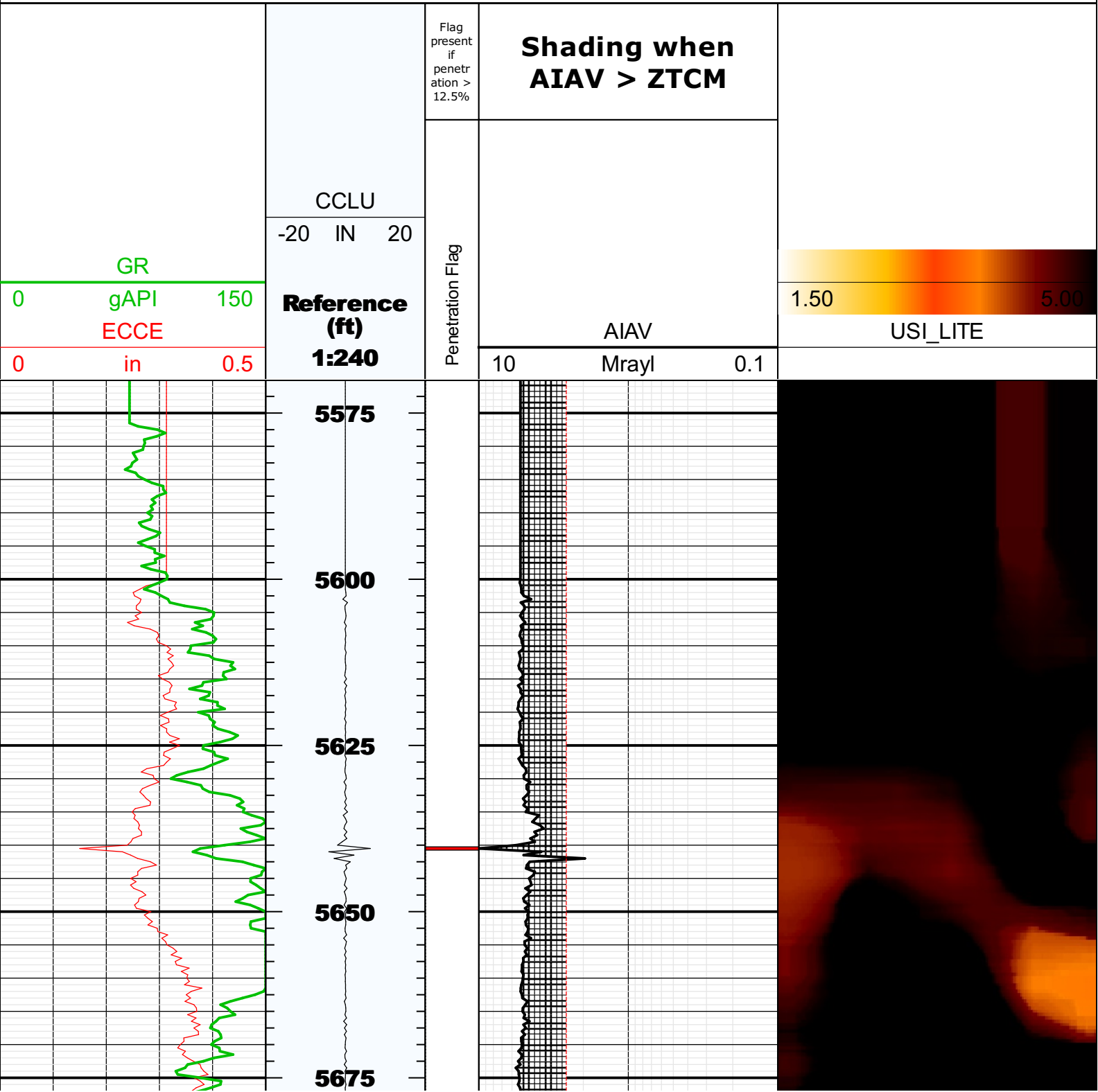


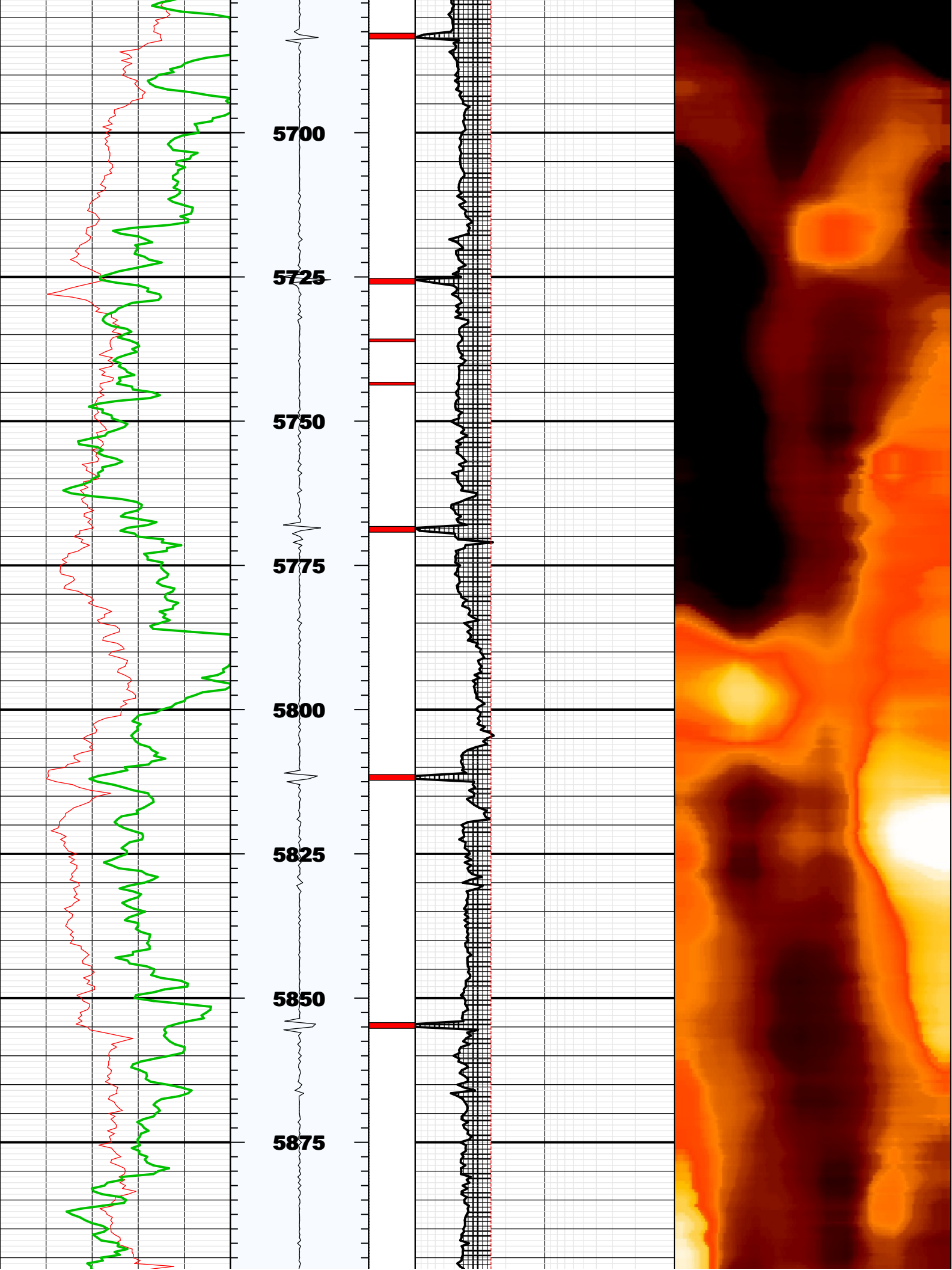


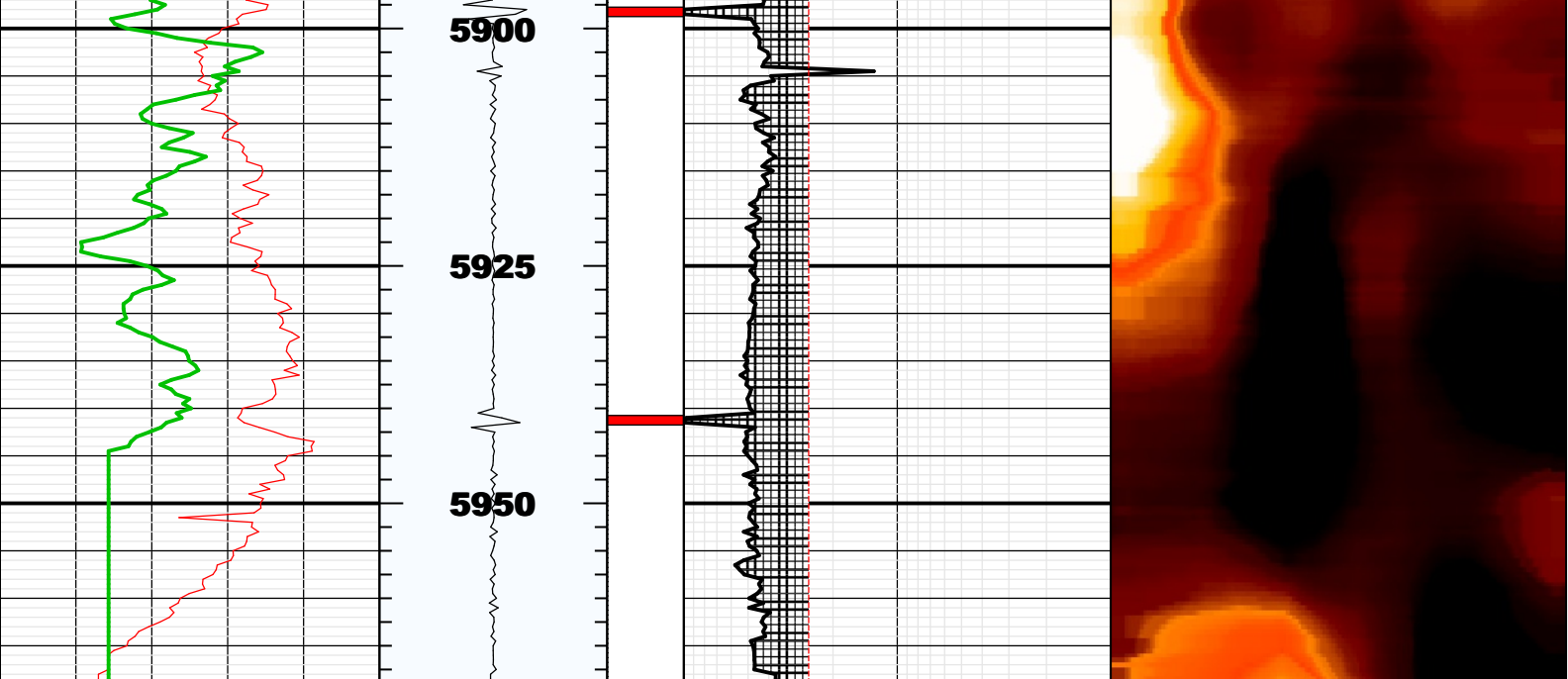
BS	8.75000	IN	Bit Size
CASG	P110		Casing Grade
CDIA	7.00000	IN	Casing Outer Diameter
CSID			
CSIZ	7.00000	IN	Current Casing Size
CWEI	26.00000	LB/F	Casing Weight
DFD	8.50000	LB/G	Drilling Fluid Density
DFVL	206.00000	US/F	Default Fluid Velocity
DO			
DOT	2.87400	IN	Diameter of Transducer Sensor
EMXV	80	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	37.34345	US	Window Begin Time
WINE	71.10966	US	Window End Time
ZCAS	46.25000	MRAY	Acoustic Impedance of Casing
ZINI	-1.00000	MRAY	Initial Estimate of Cement Impedance
ZMUD	1.93000	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

