

Company: Noble Energy Inc

Well: Coalview G02-63-1HN
Field: Wattenberg
County: Weld State: CO

County: Weld			
Field: Wattenberg			
Location: SESE Sec.1 T4N R66W			
Well: Coalview G02-63-1HN			
Company: Noble Energy Inc			
USI-LITE			
Permanent Datum: Log Measured From: Drilling Measured From:		GL KB KB	Elev: K.B. 4839.0 F G.L. 4815.0 F D.F. 4838.0 F
Logging Date	API Serial No. 05-123-39893-0000	Section 1	Township 4N
Run Number	ONE		Range 66W
Depth Driller	15982.9 F		
Schlumberger Depth	15982.9 F		
Bottom Log Interval	7151.0 F		
Top Log Interval	0.0 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	-999.2 F		
To	7394.0 F		
Casing Size	7.00 IN		
Weight	24.00 LB/F		
Grade	P110		
From	0.0 F		
To	7384.0 F		
Max Recorded Temp	239.9		
Logger on bottom (date)	12-Sep-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: Length: 11800.00000

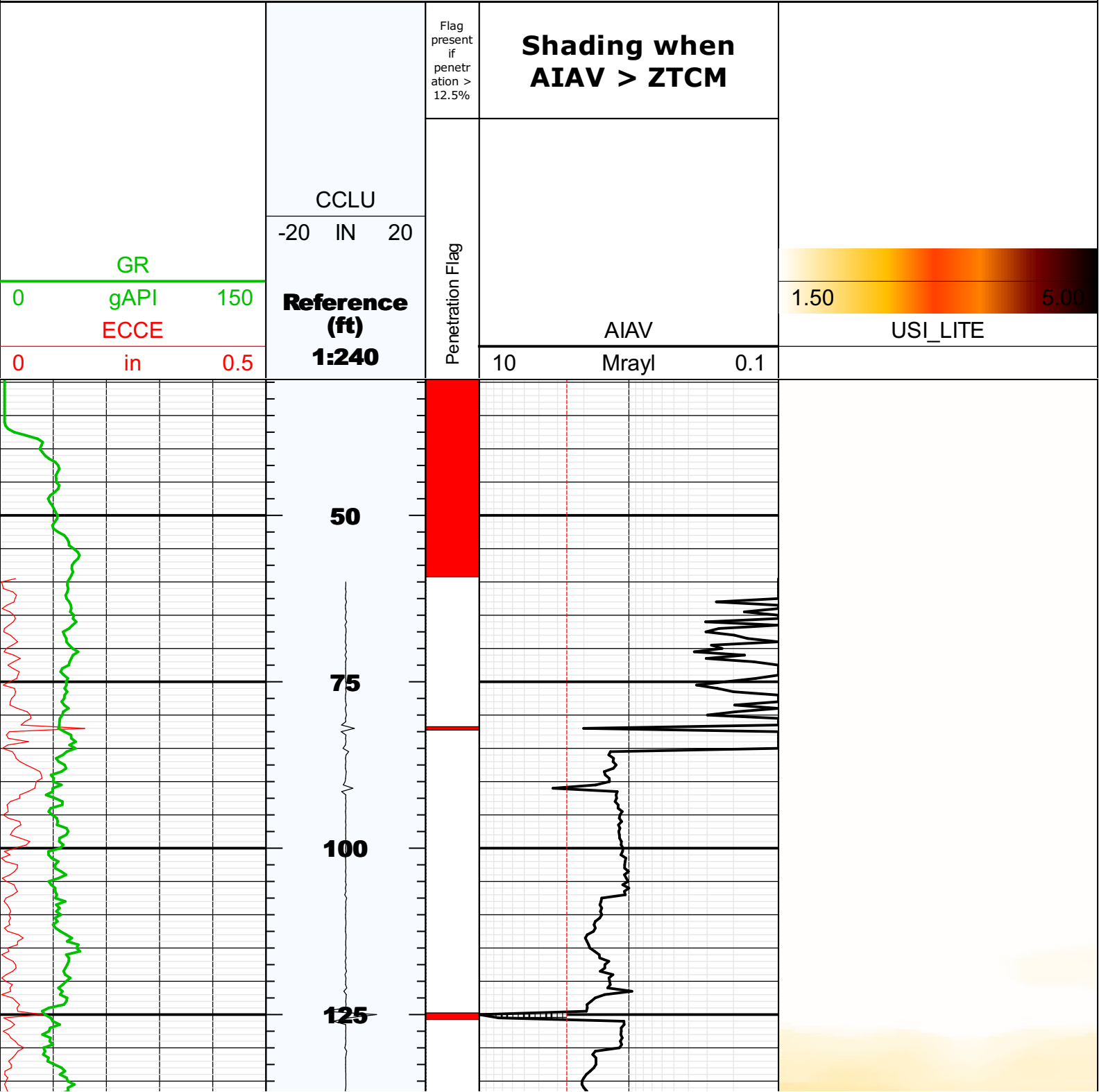
DISCLAIMER

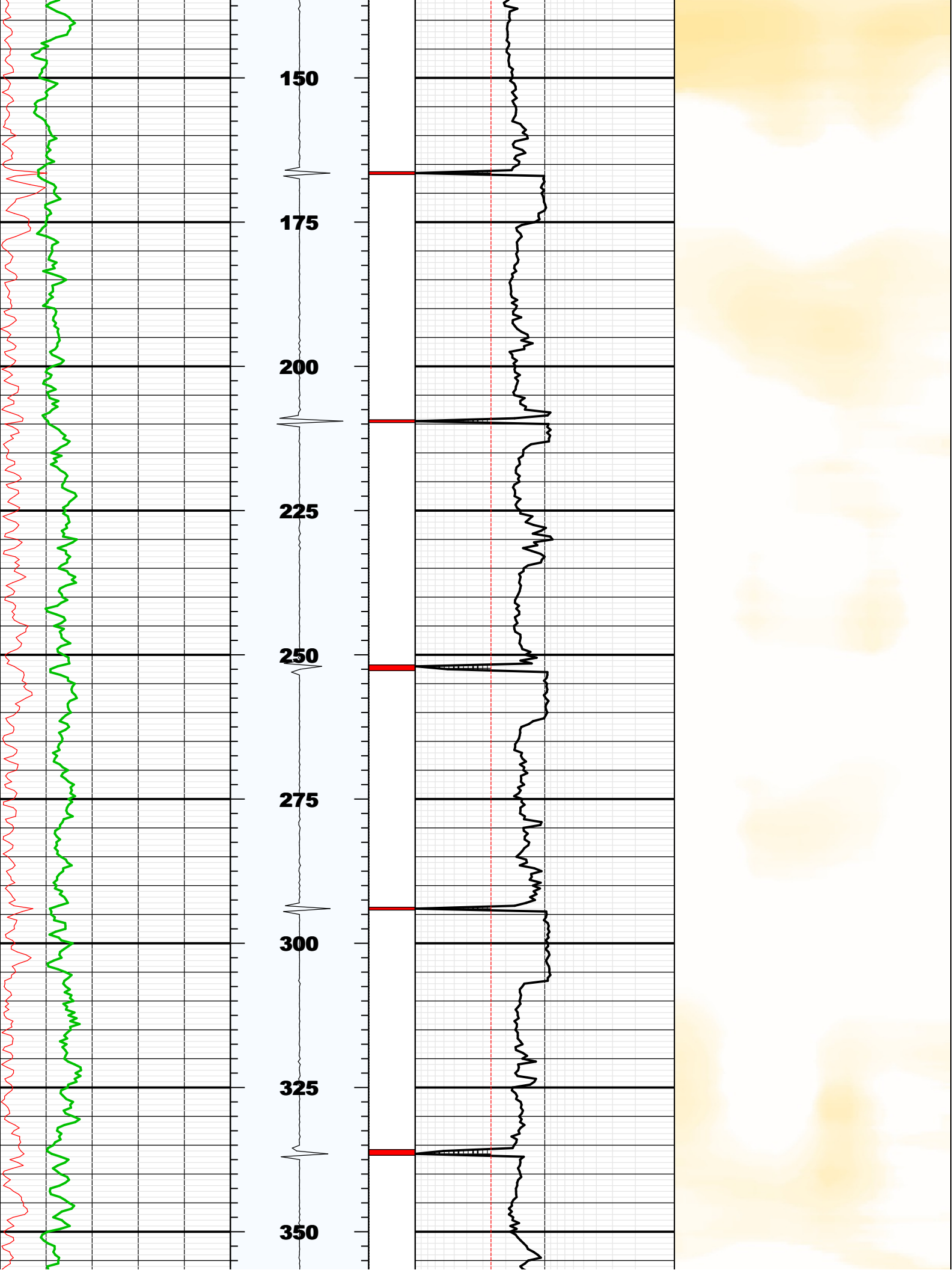
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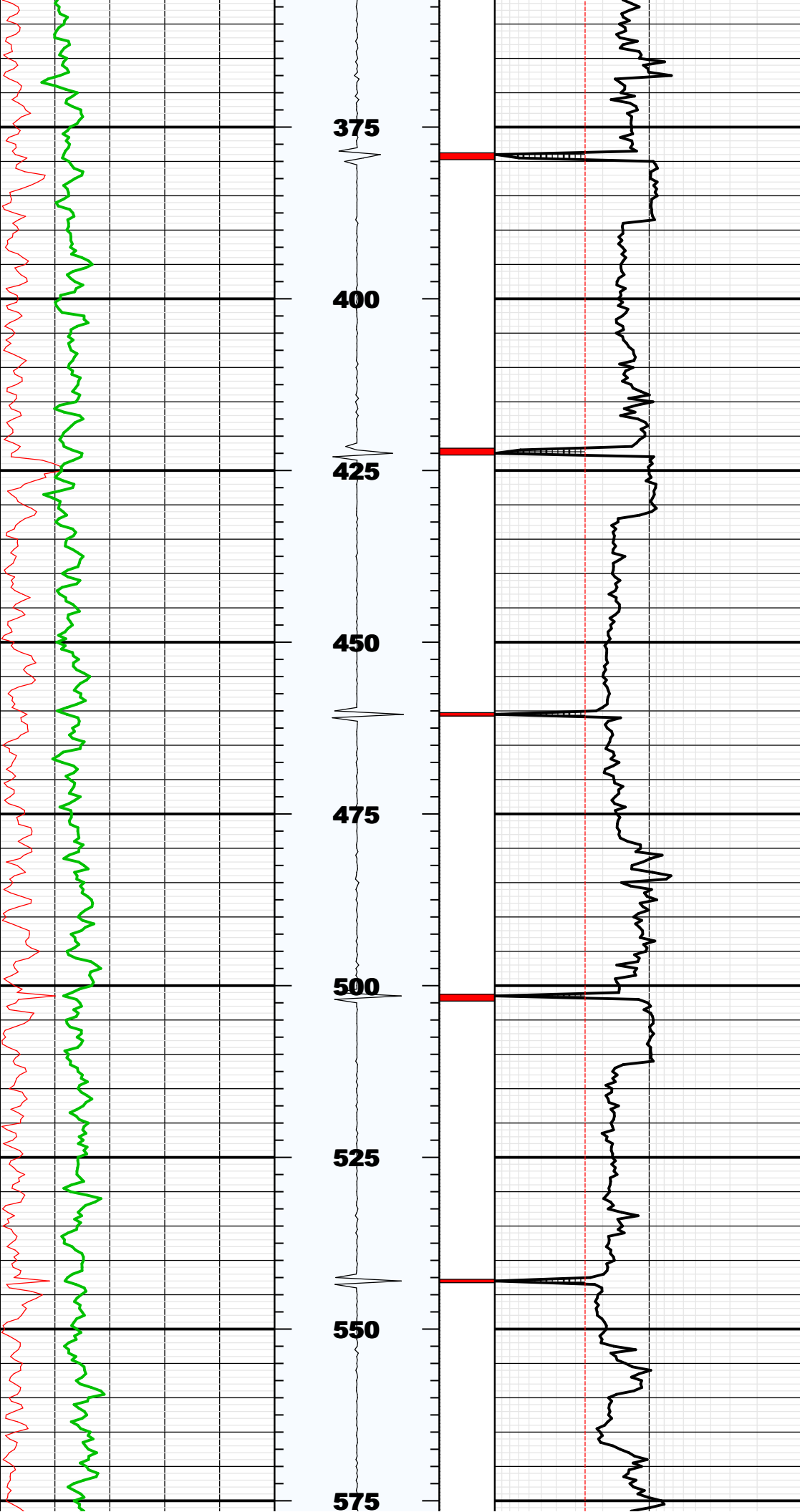
This is the first run in the well.
Toolstring run as per tool sketch
13.6 ppg single slurry cement
0 PSI full pass
2500 PSI full pass
Bottom log temperature 240 degF
Crew David Marquez Derrick Hunter
Top of Cement 1030 ft.

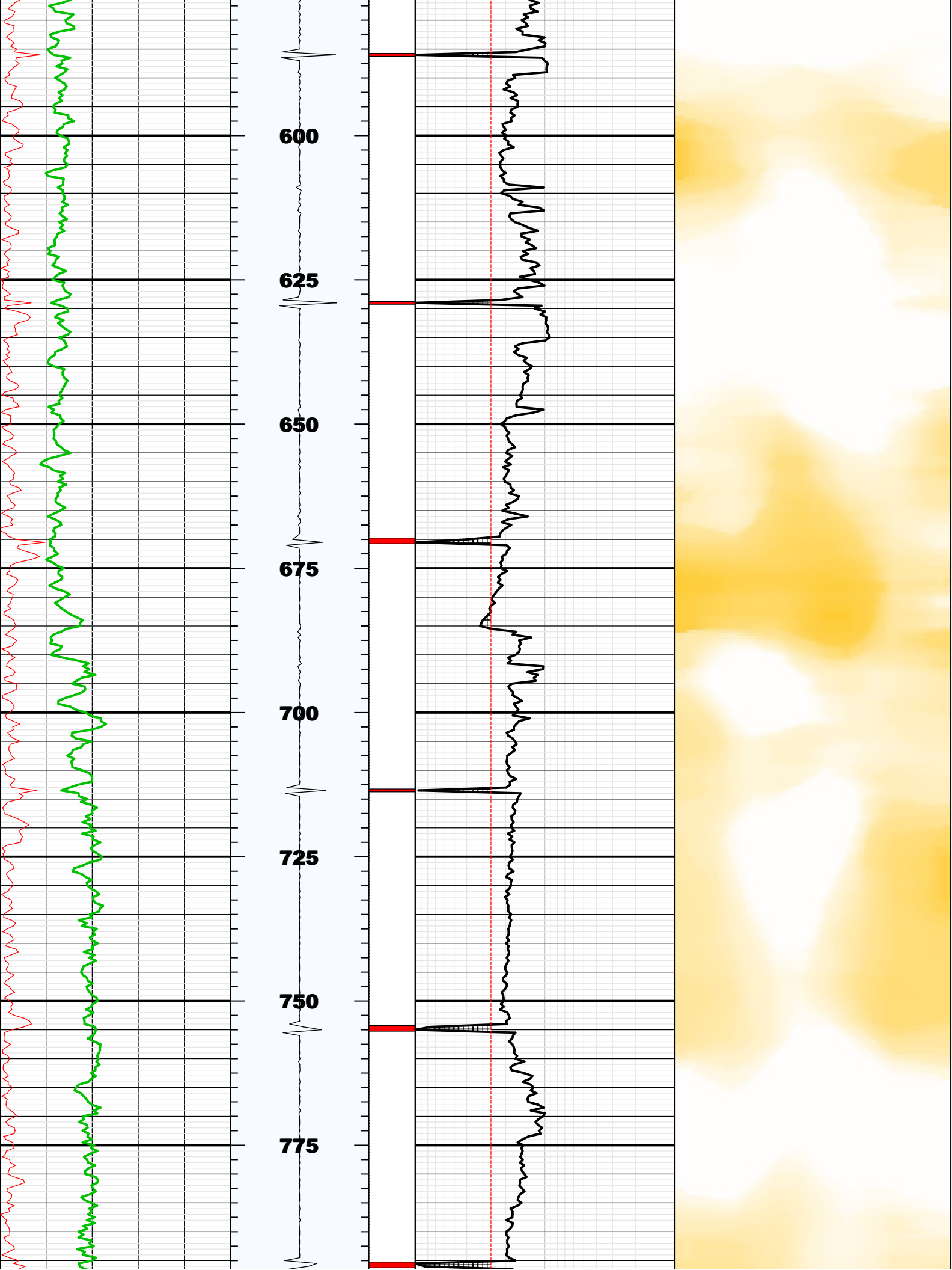
Main Pass

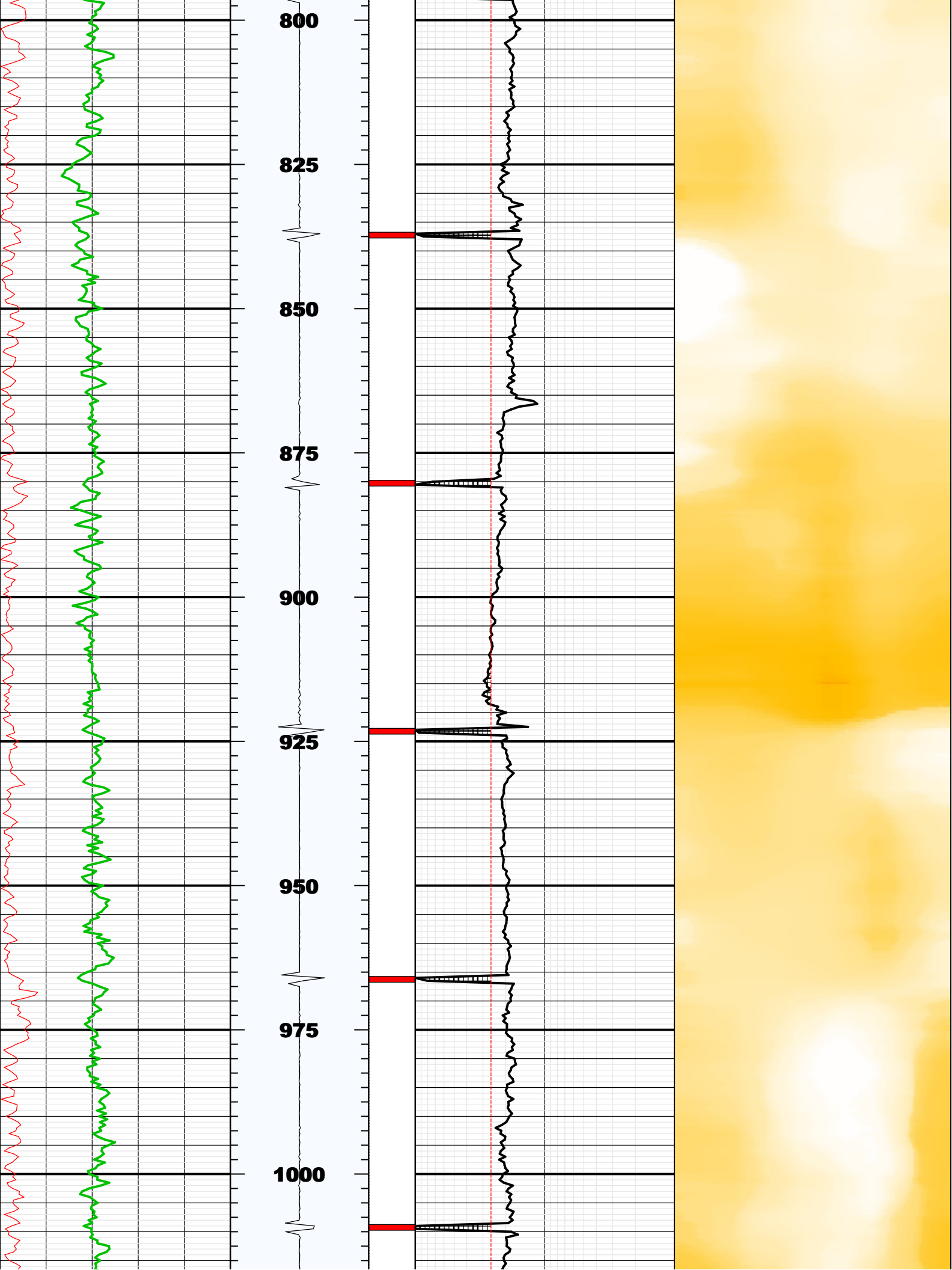
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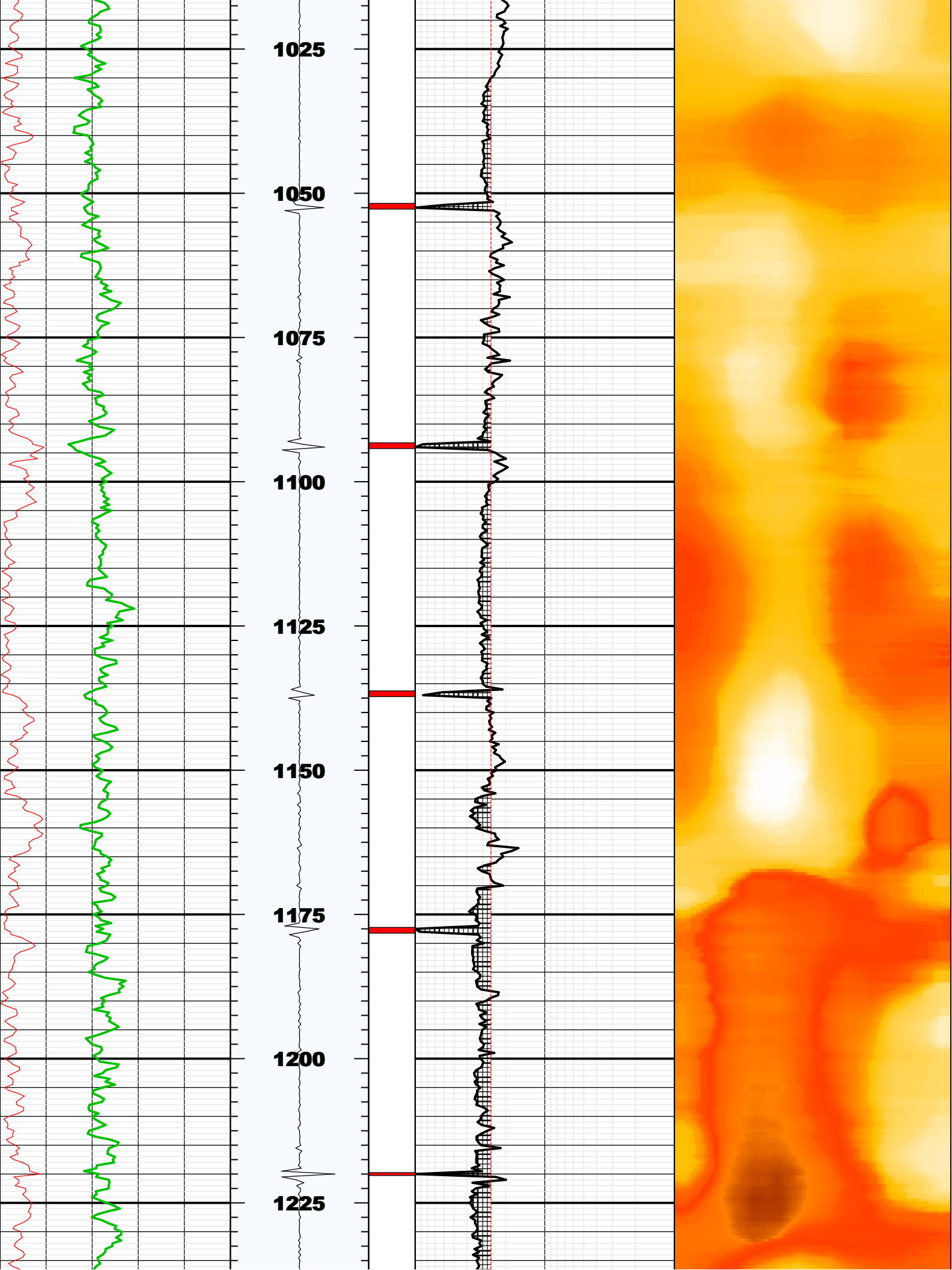


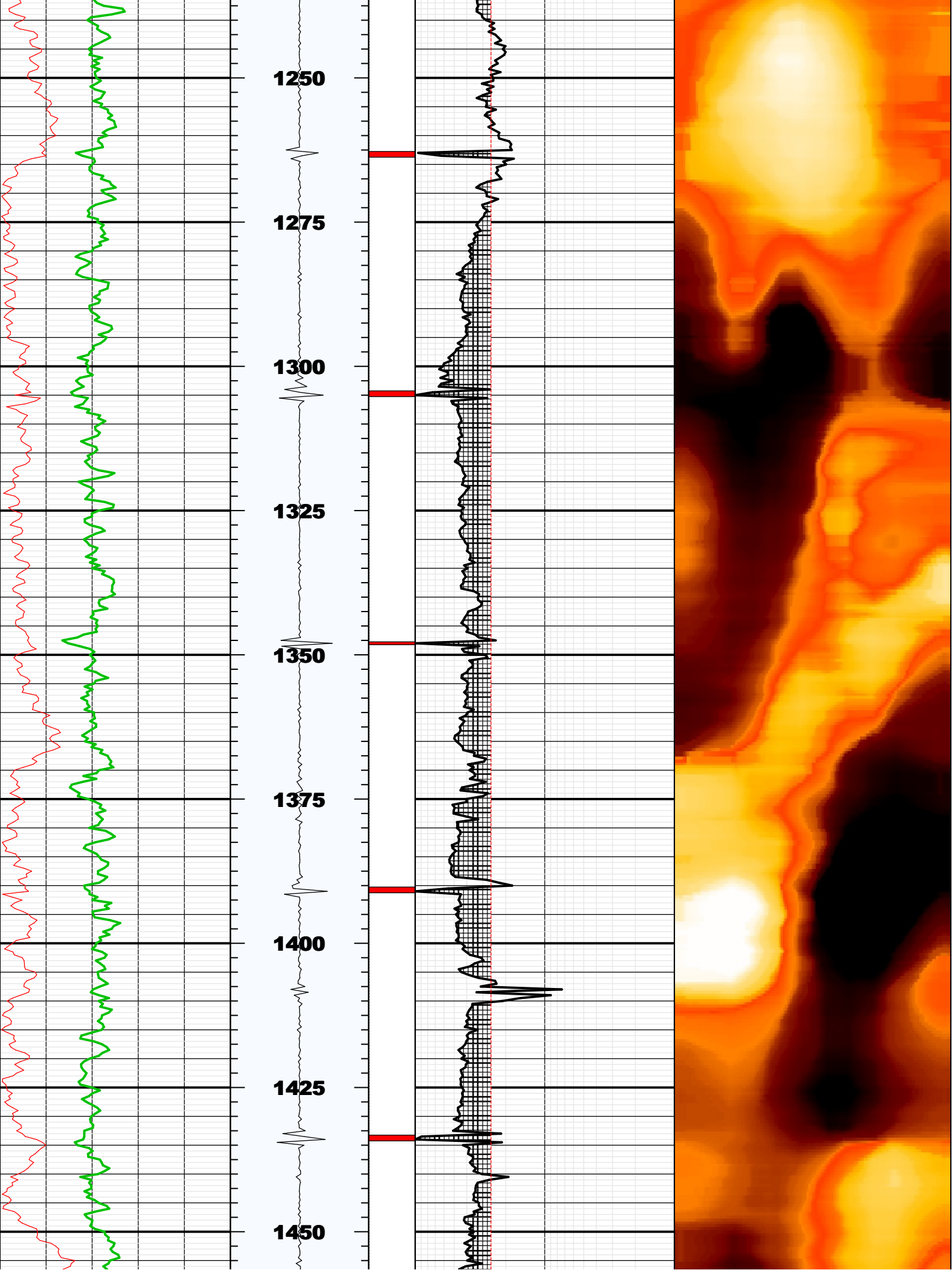


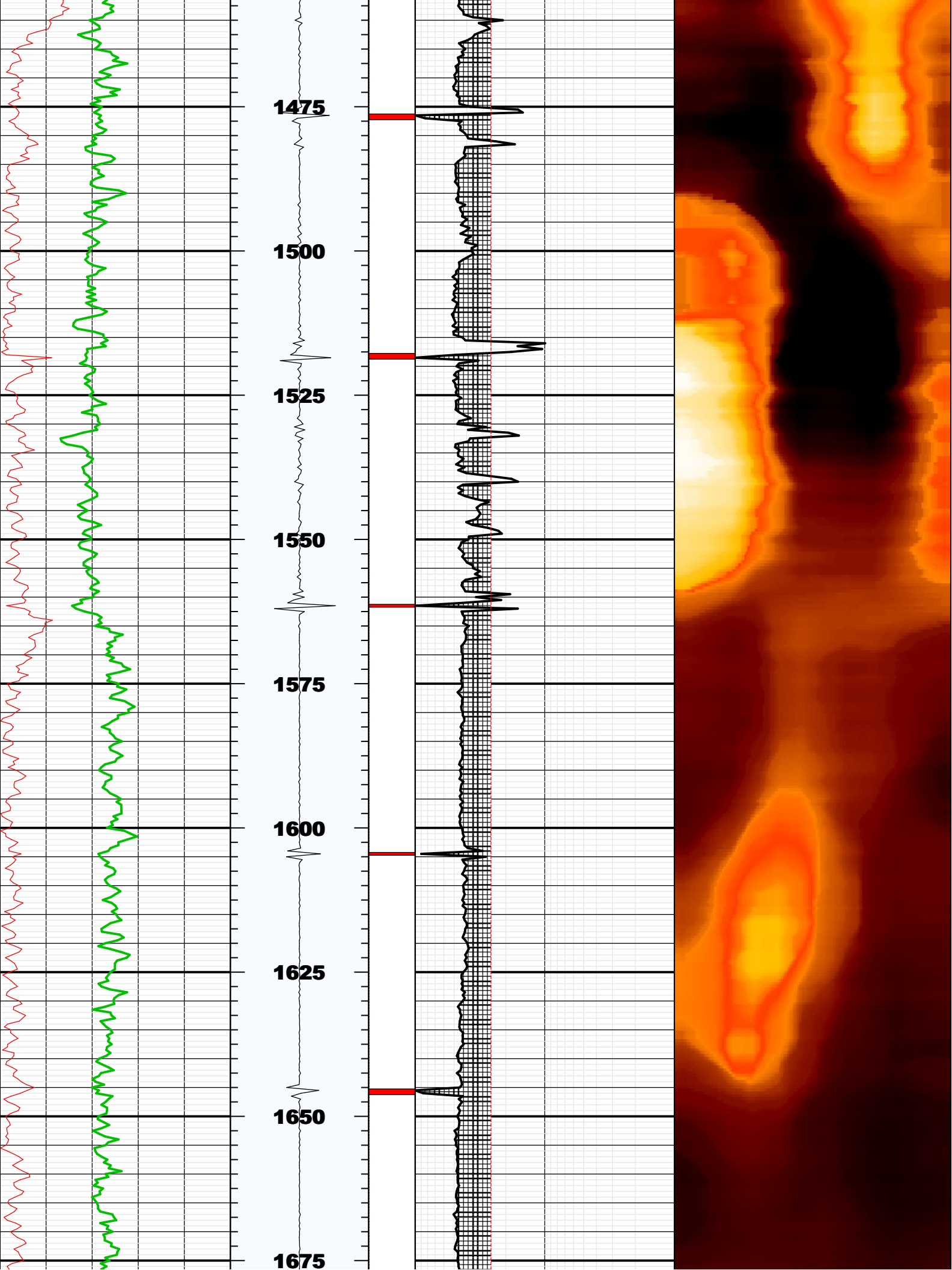


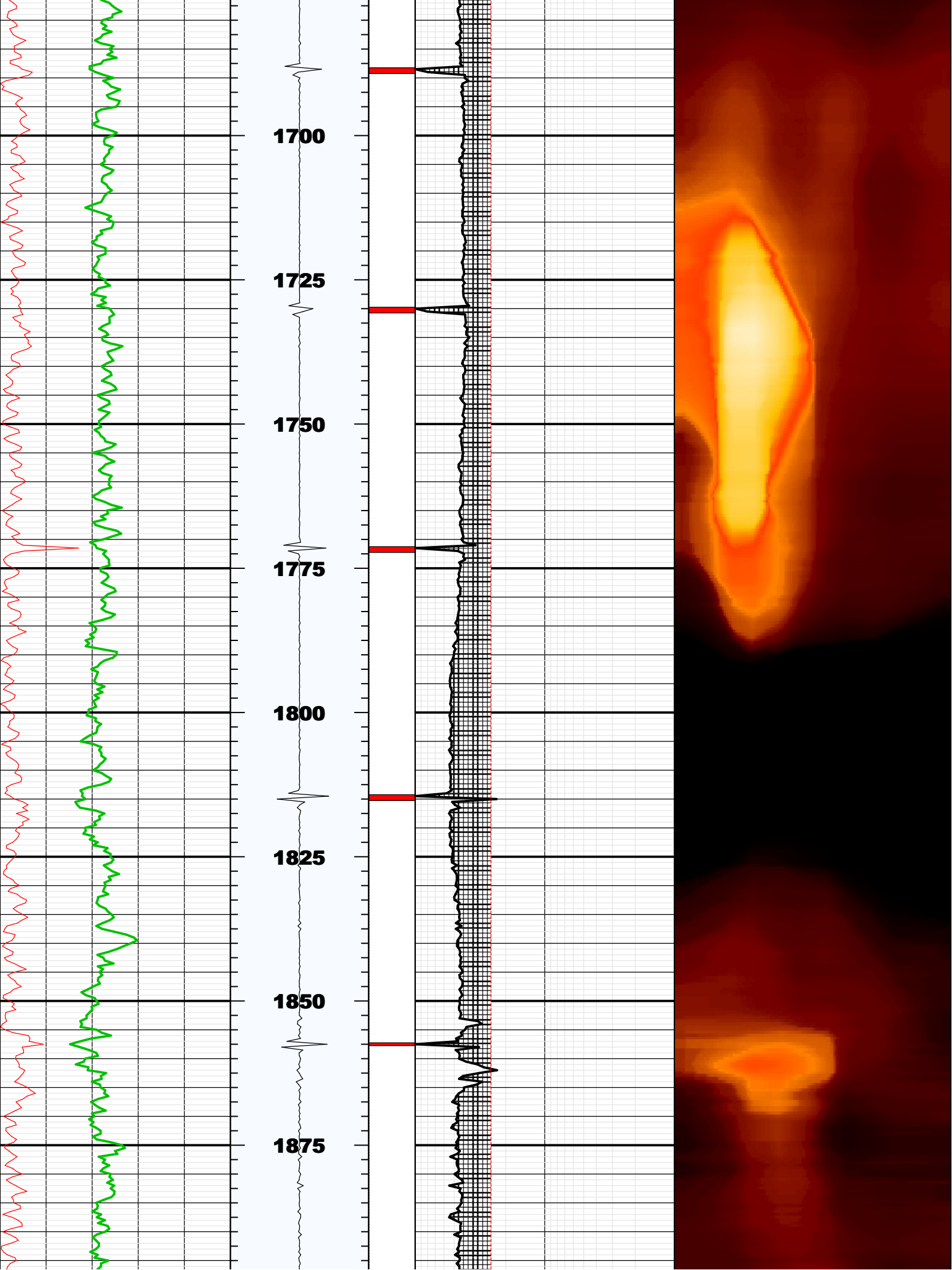


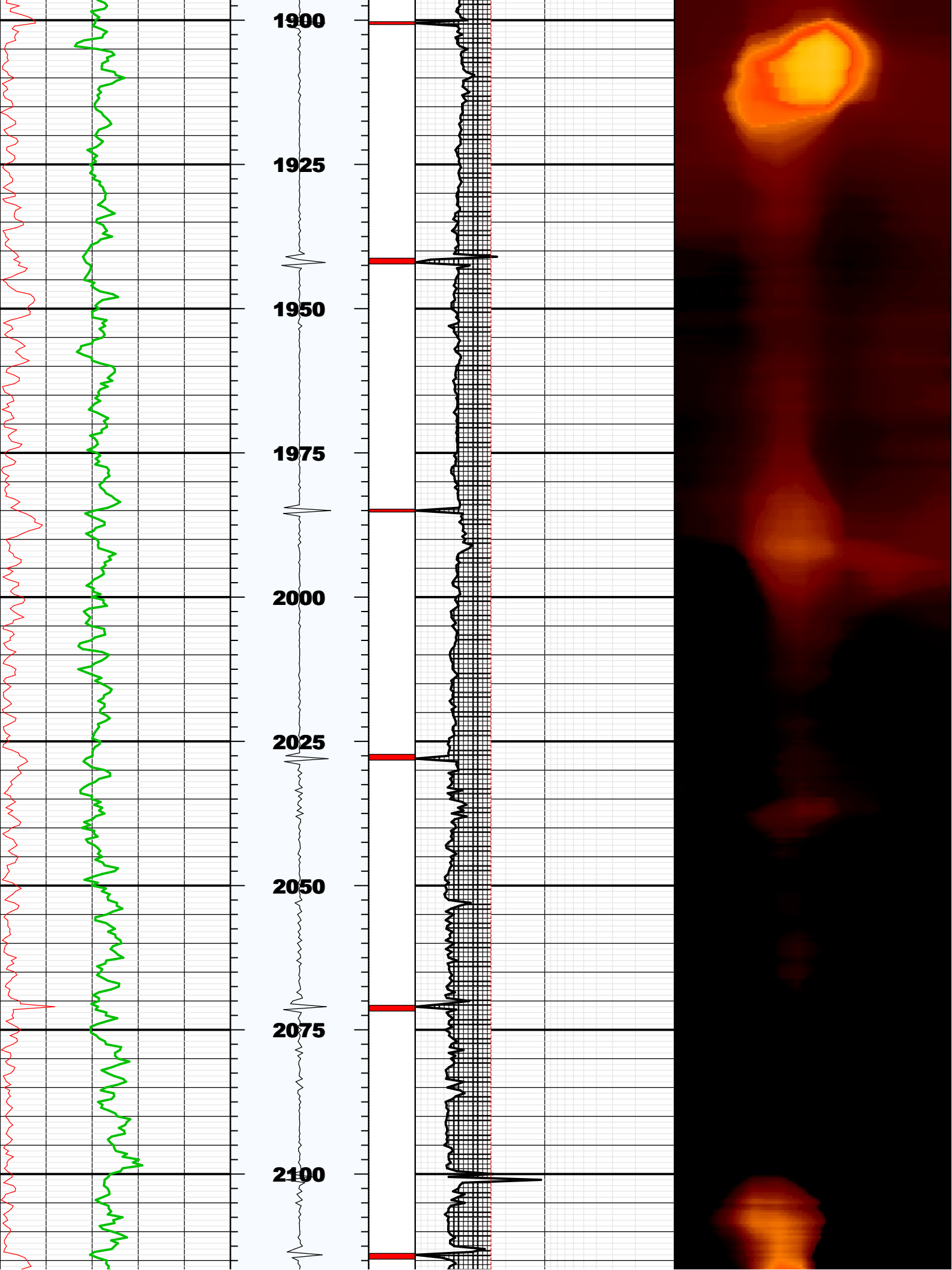


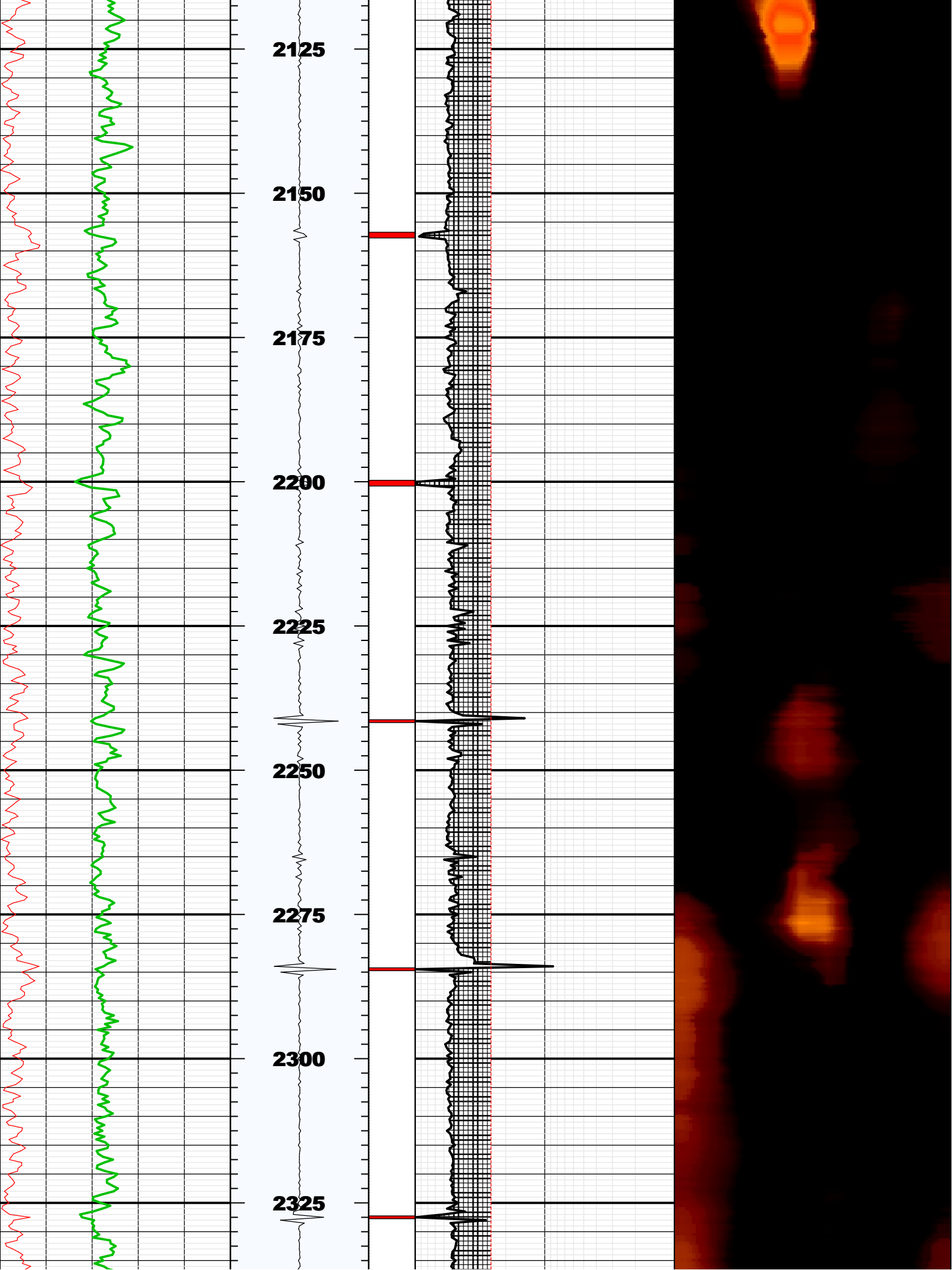


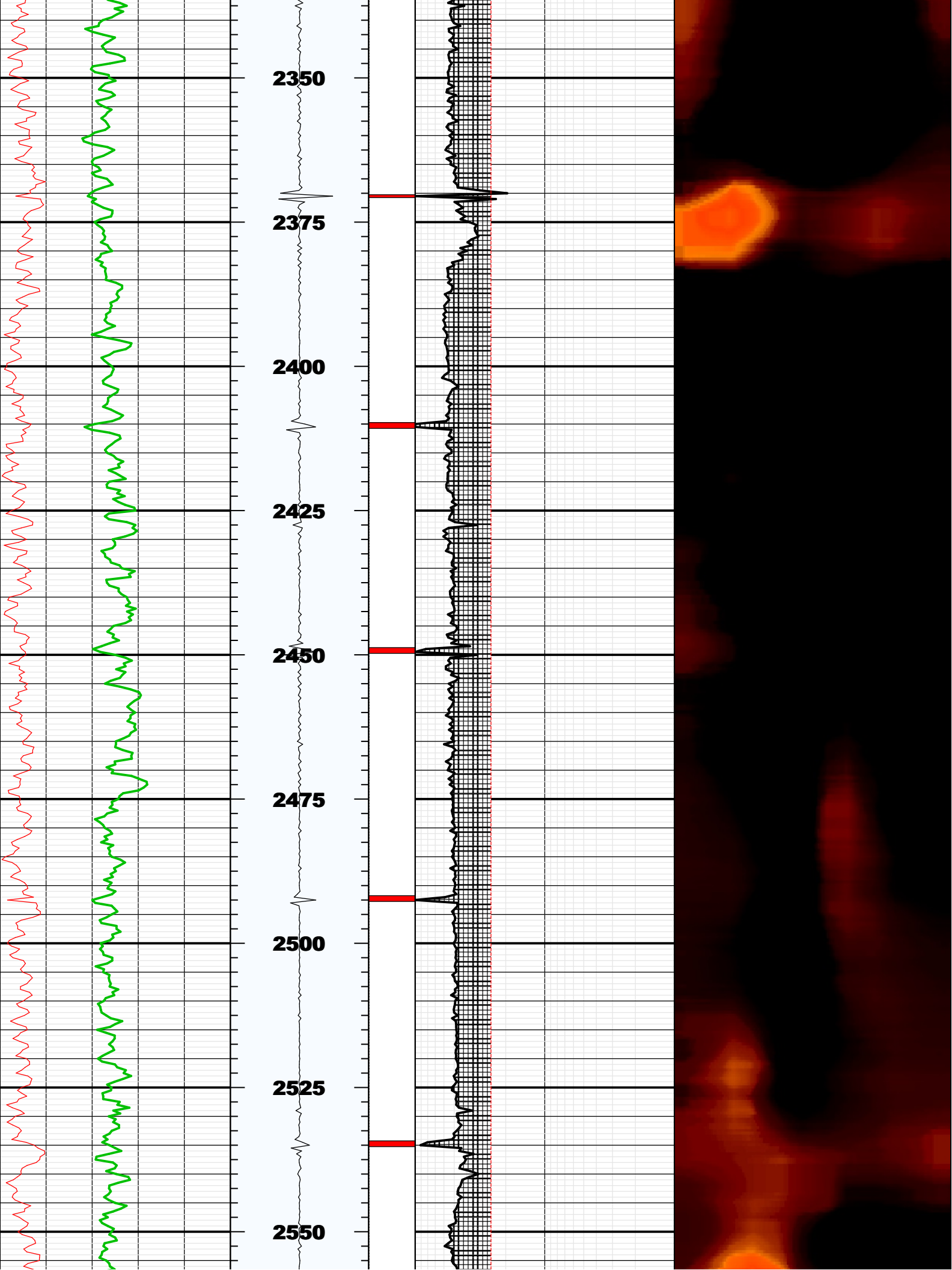


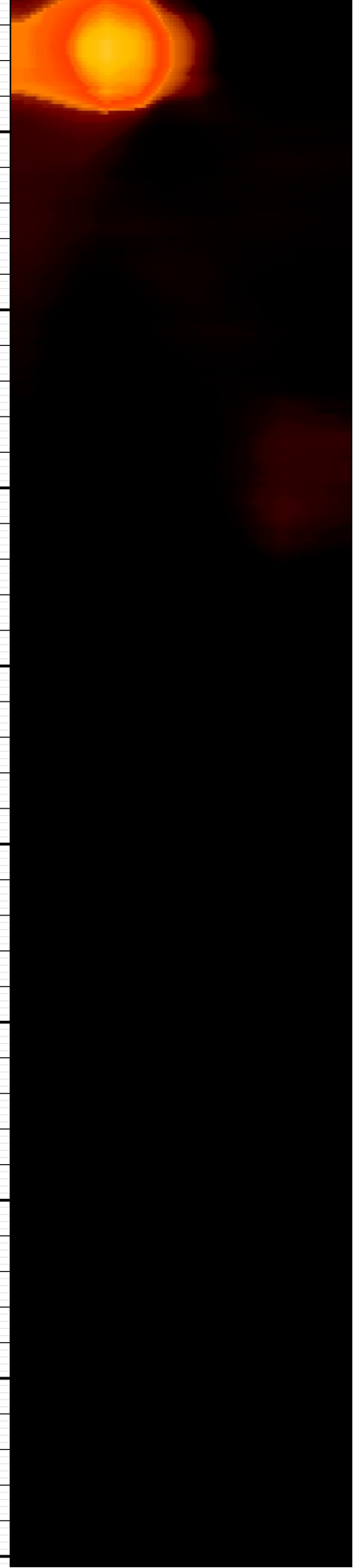
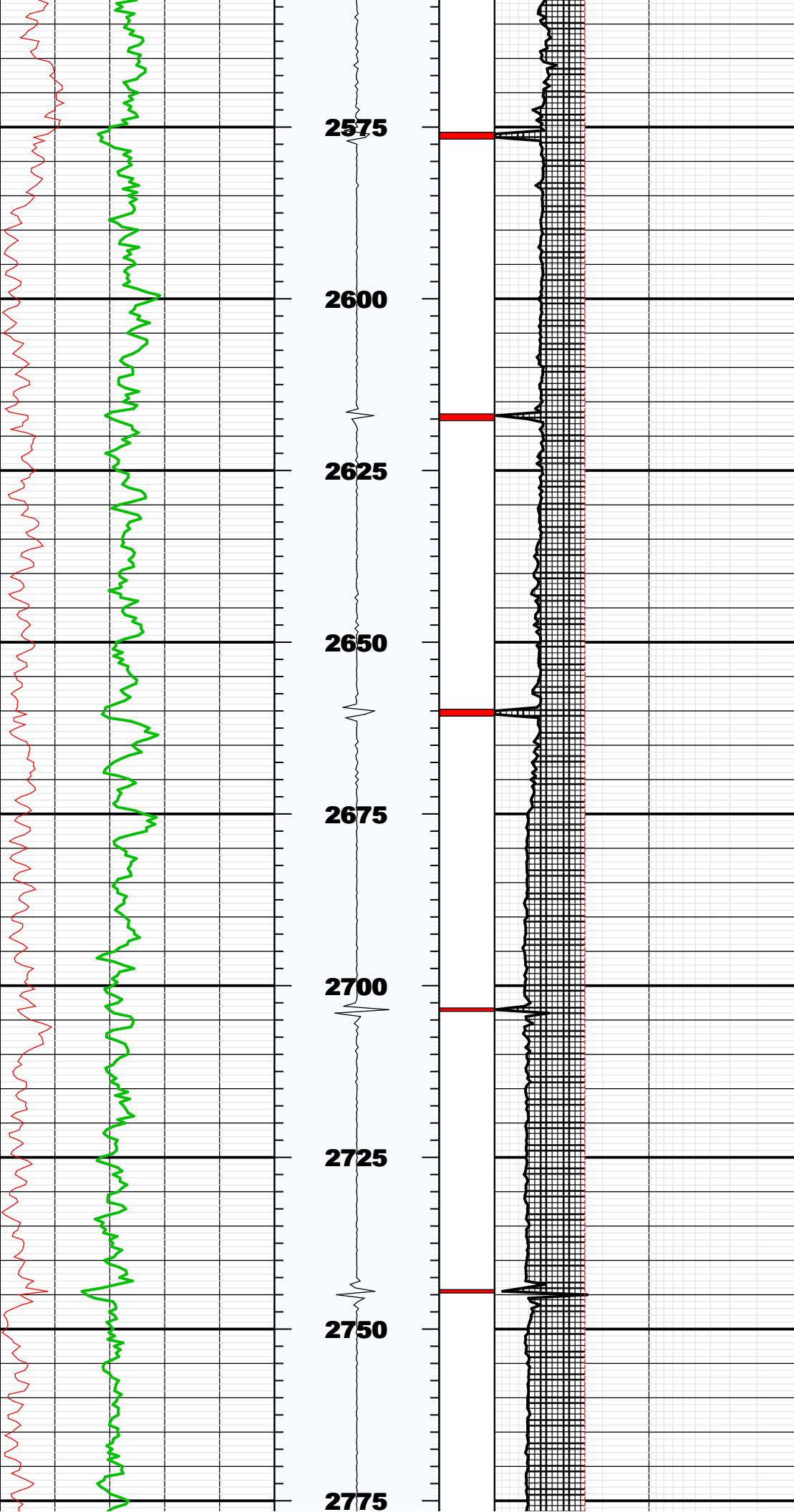


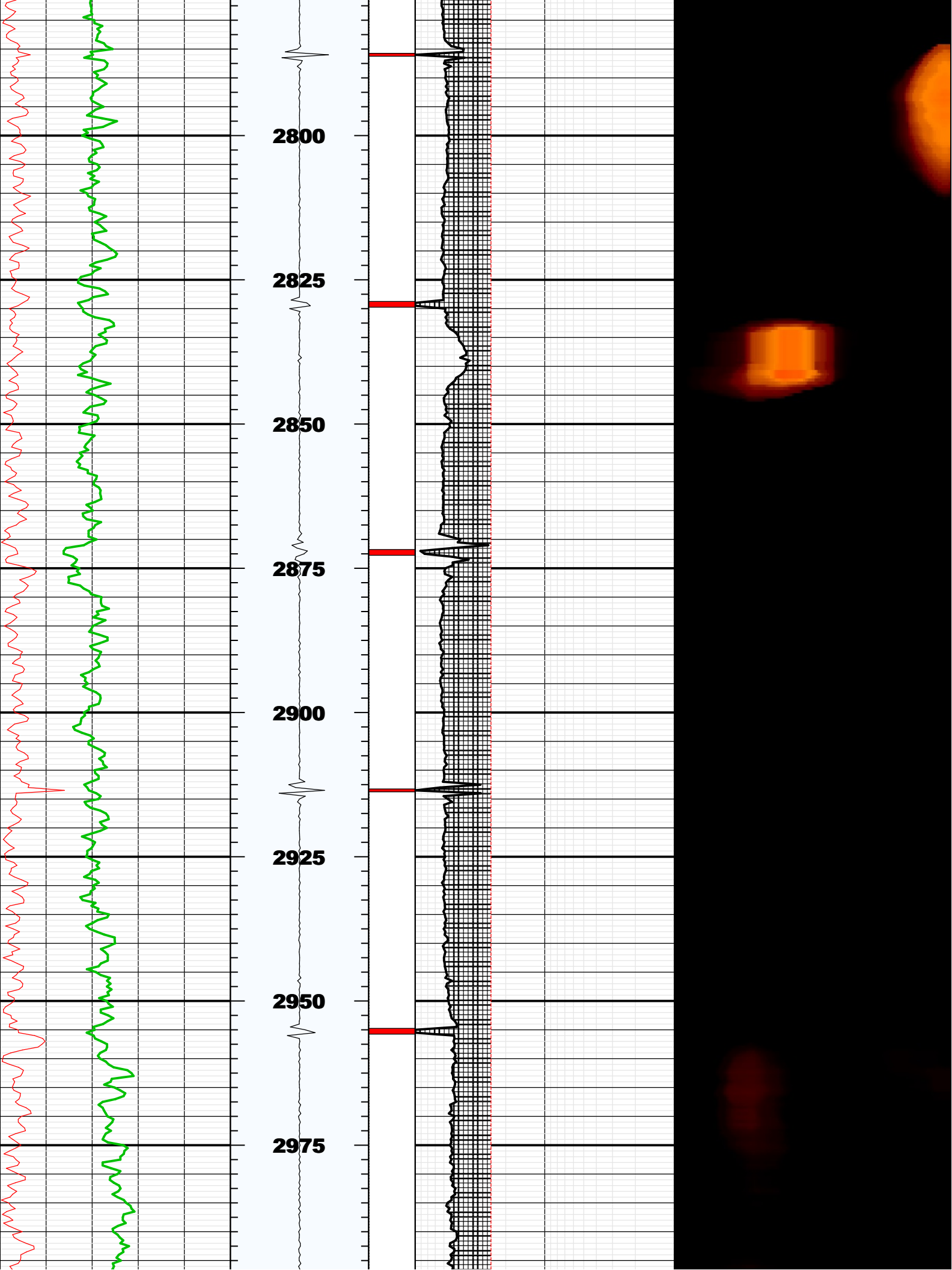


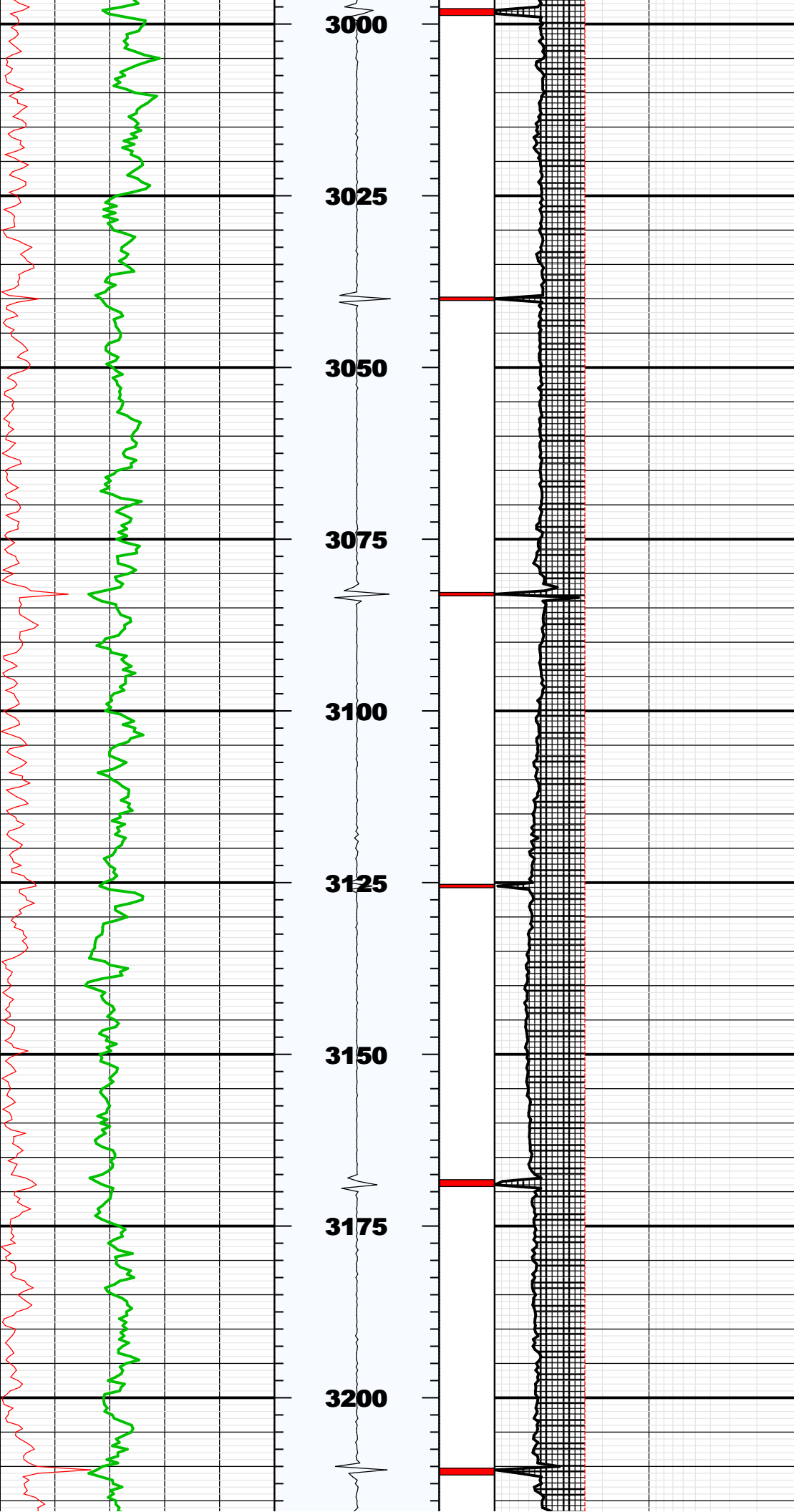


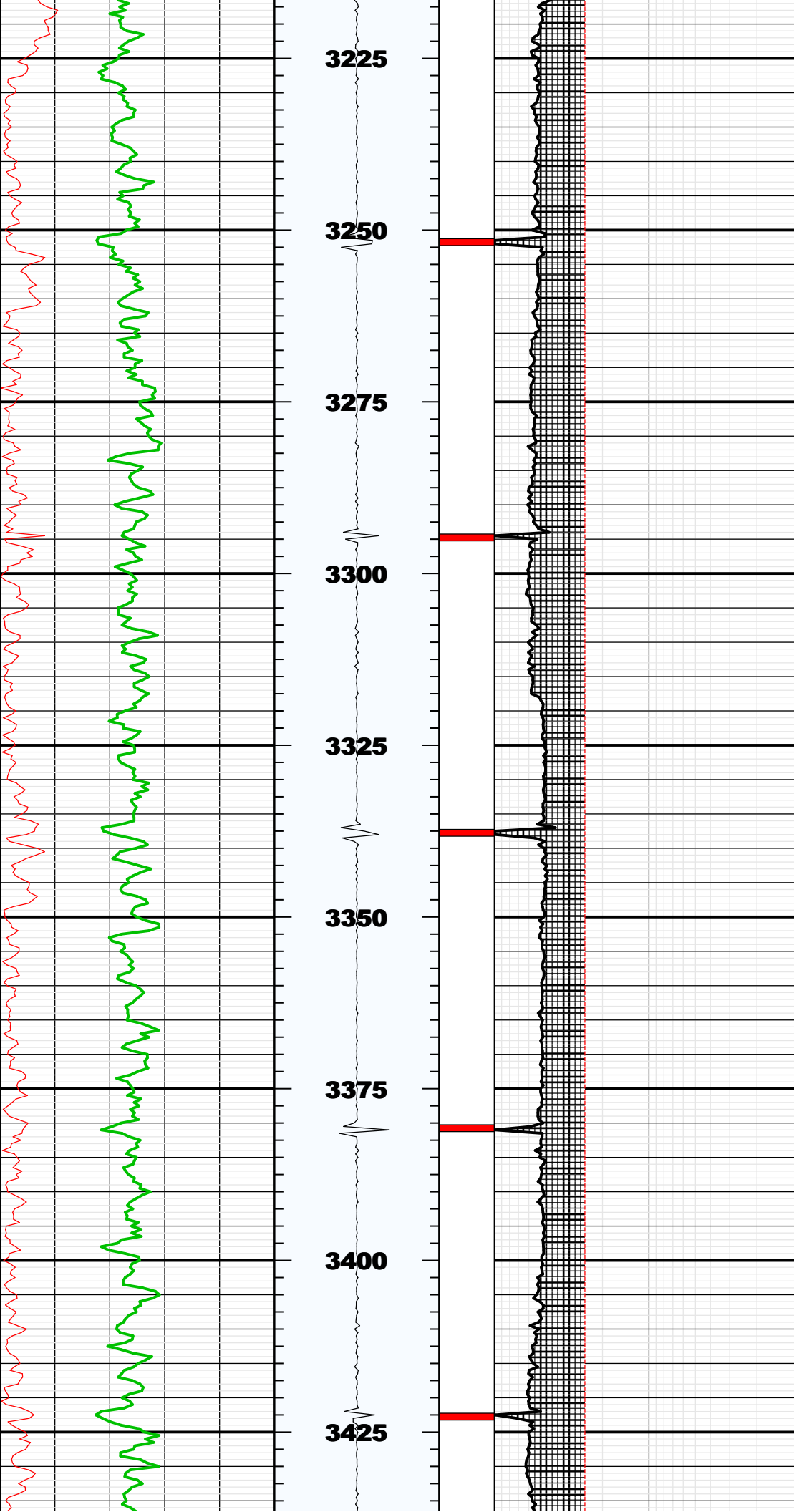


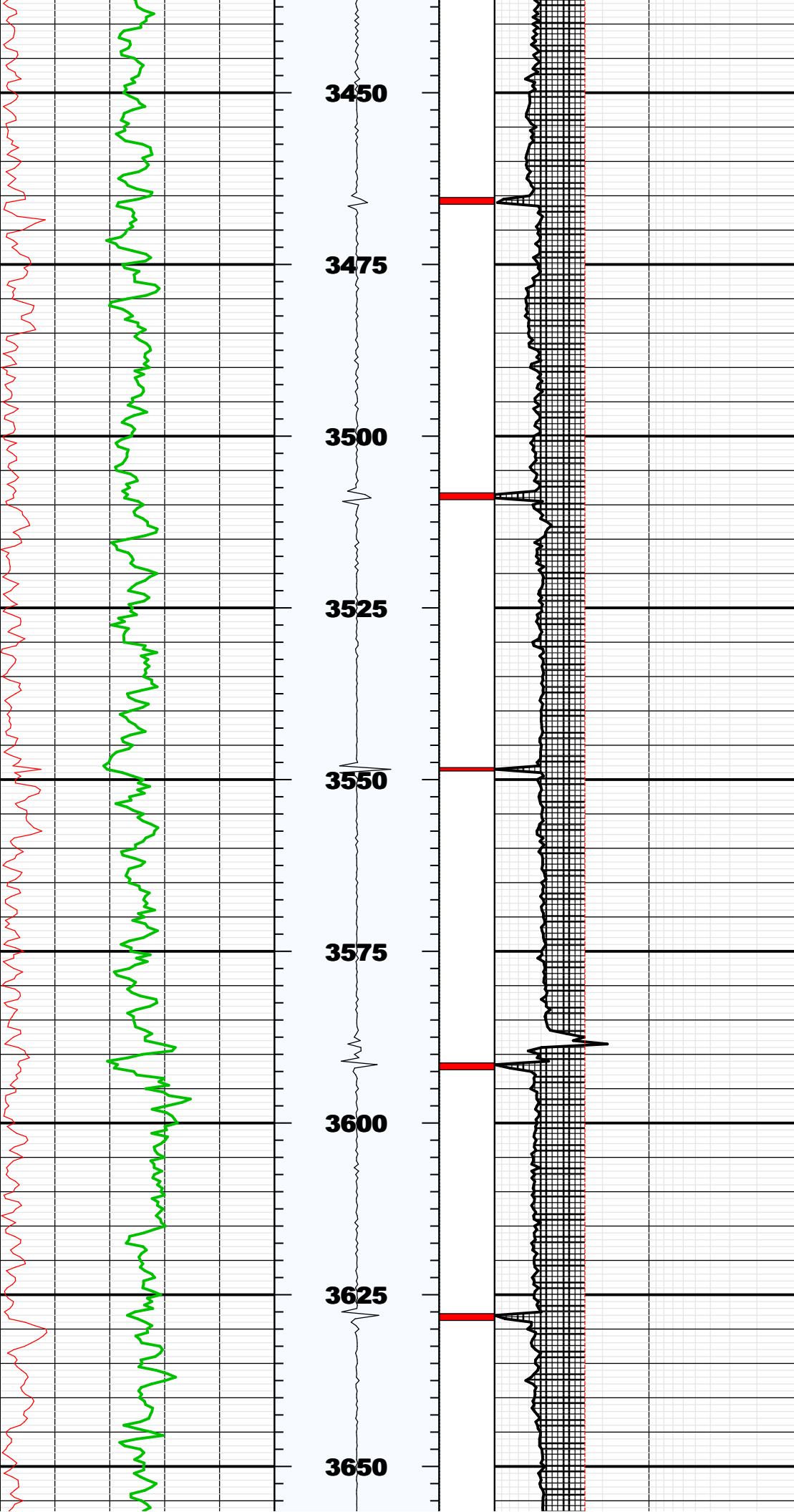


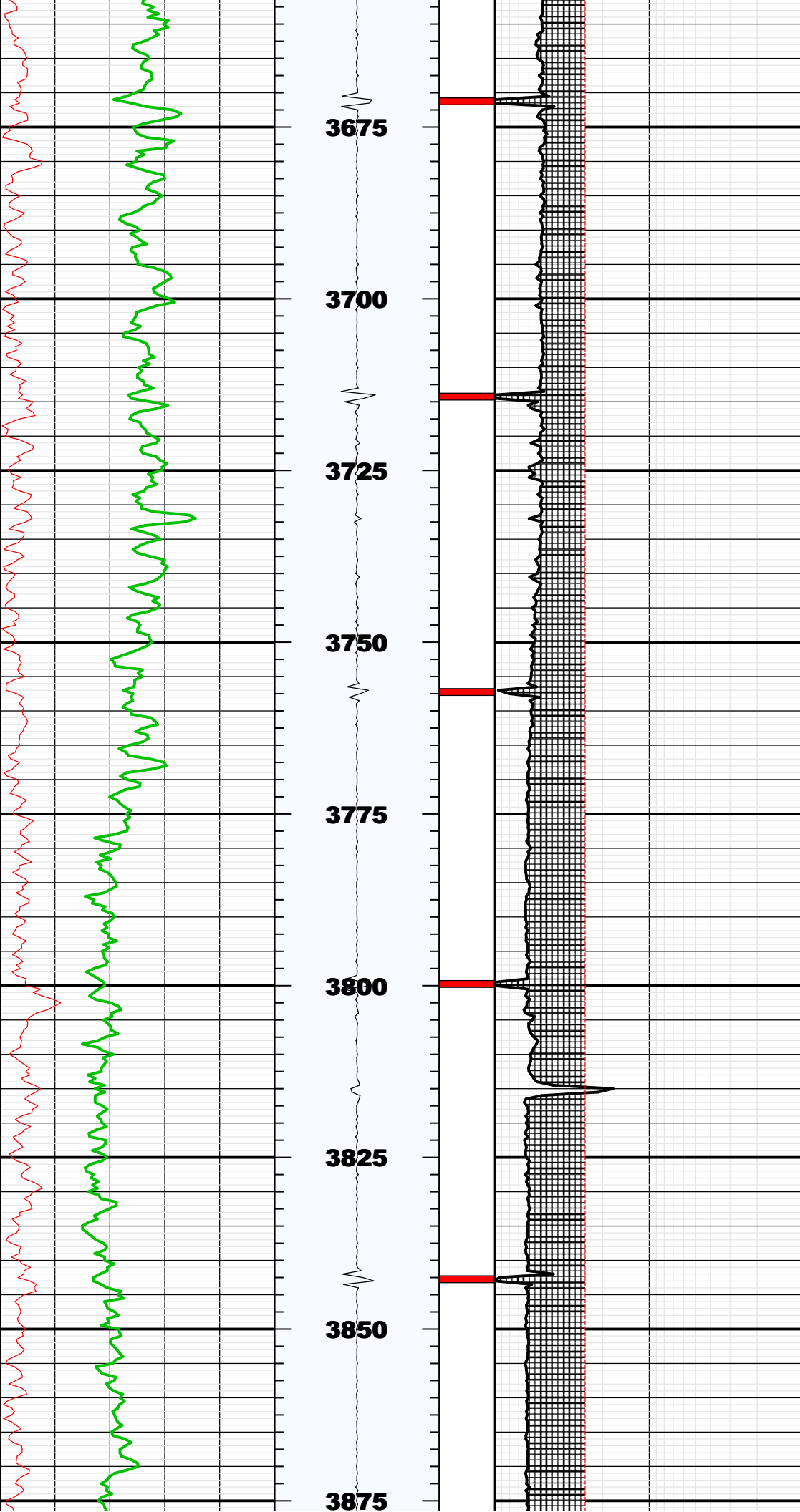


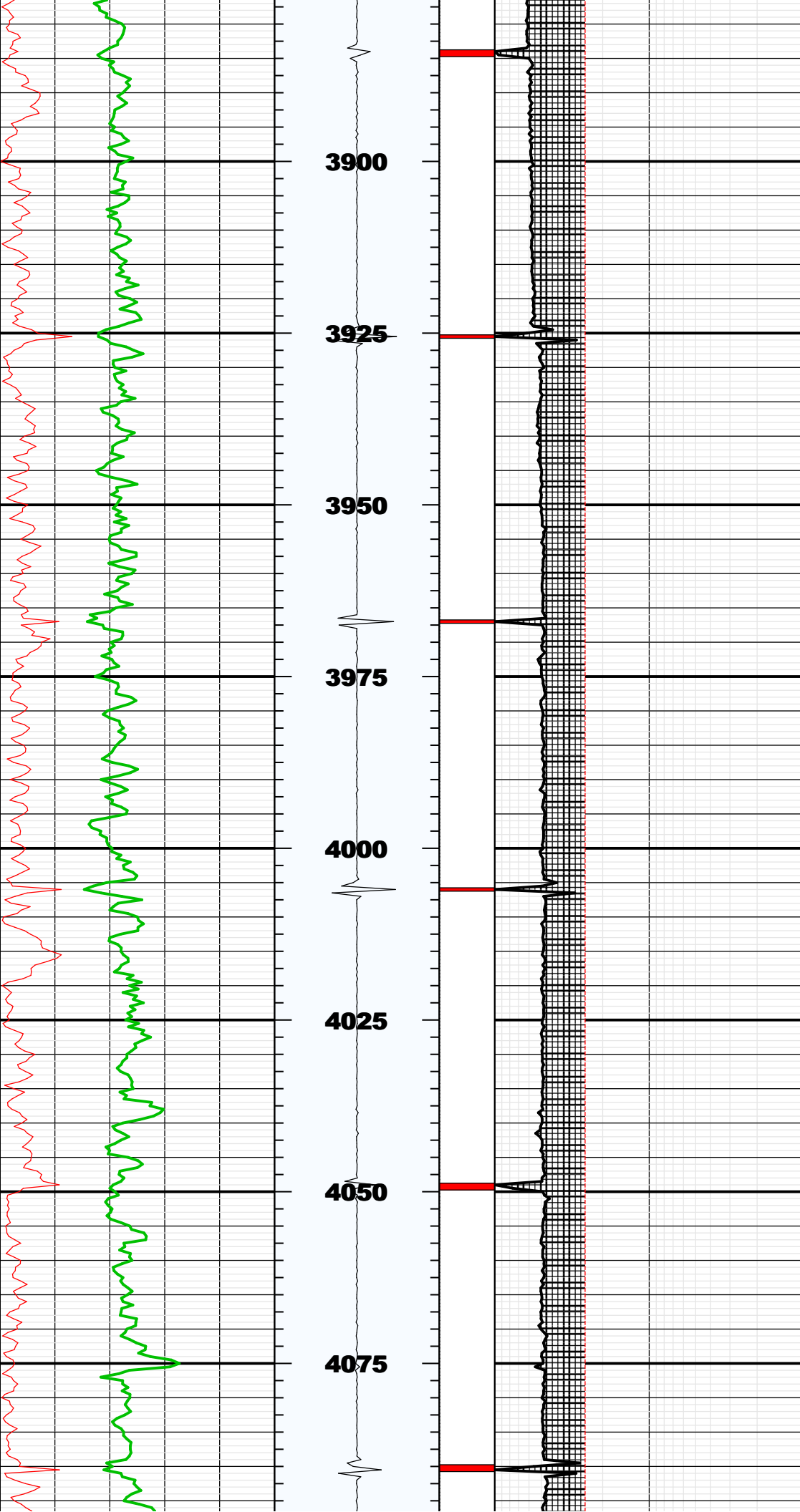


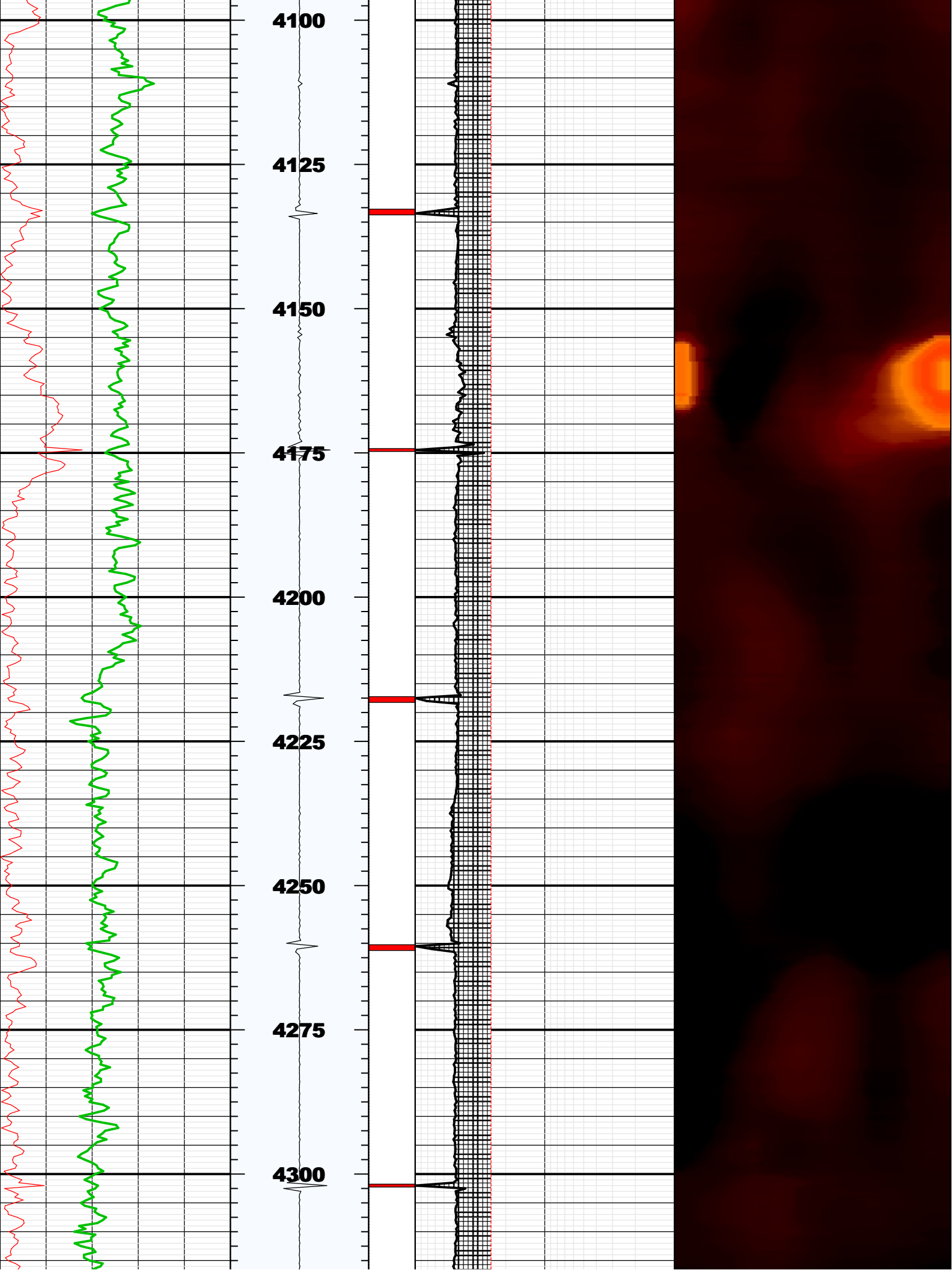


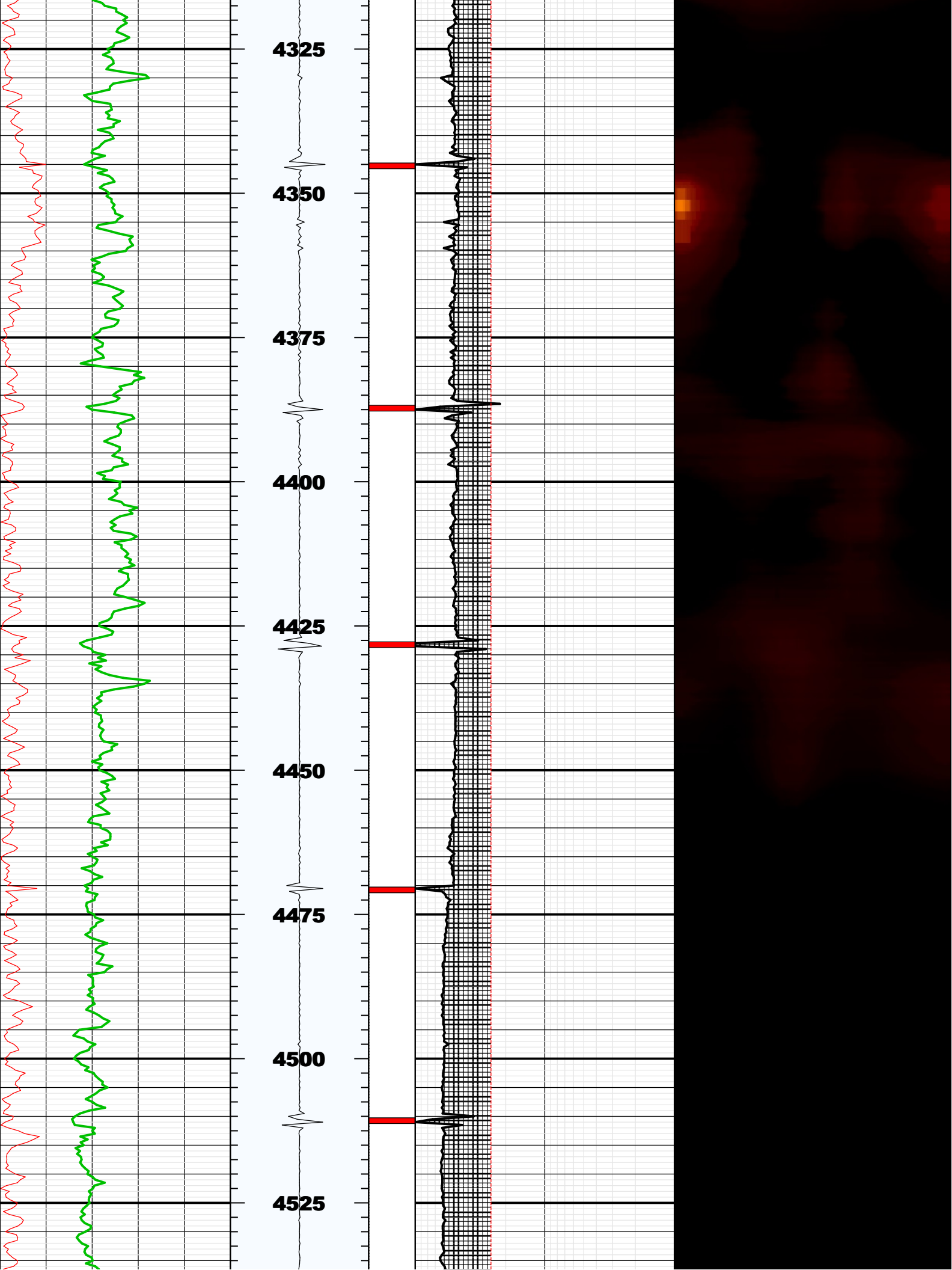


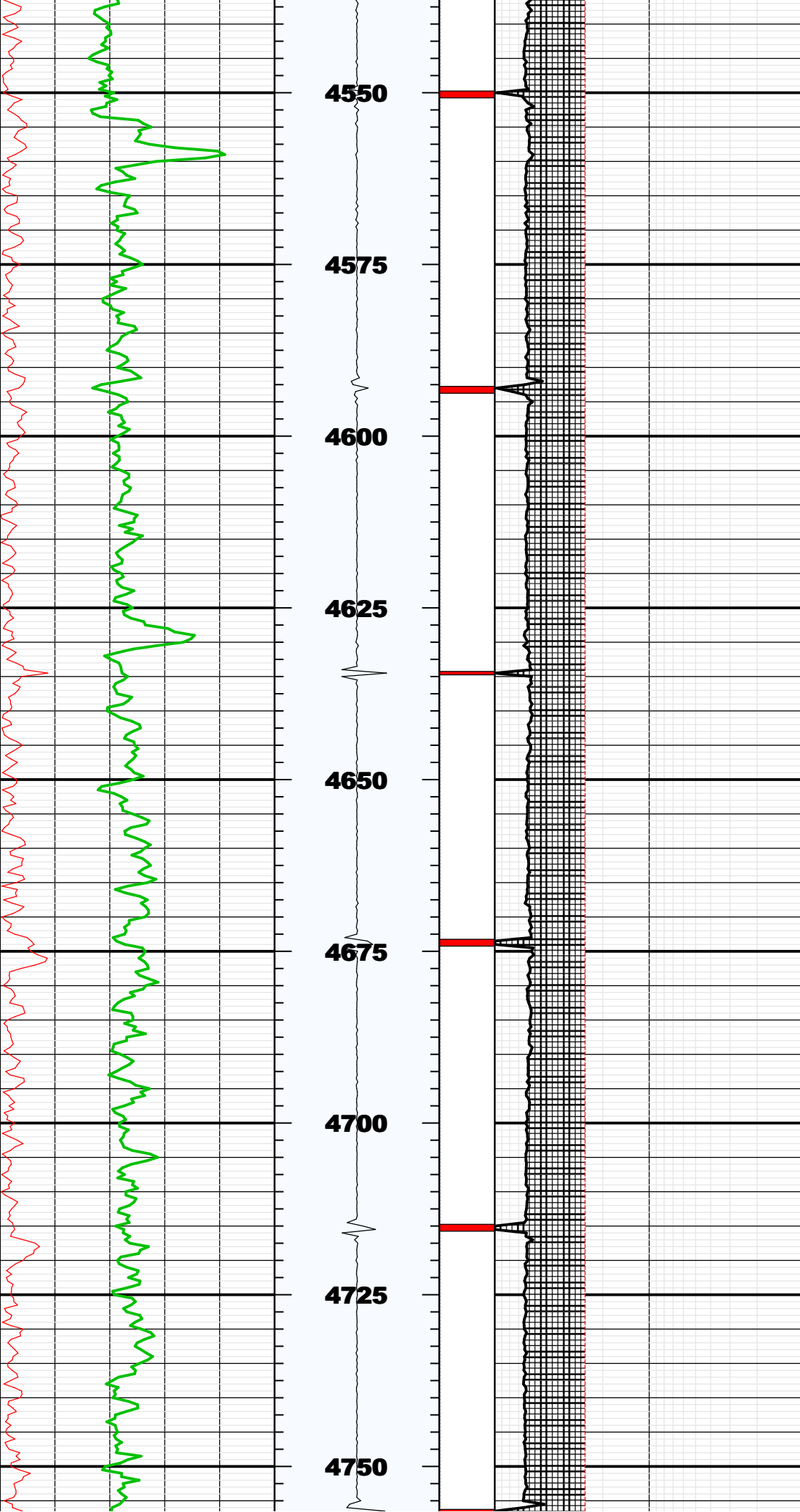


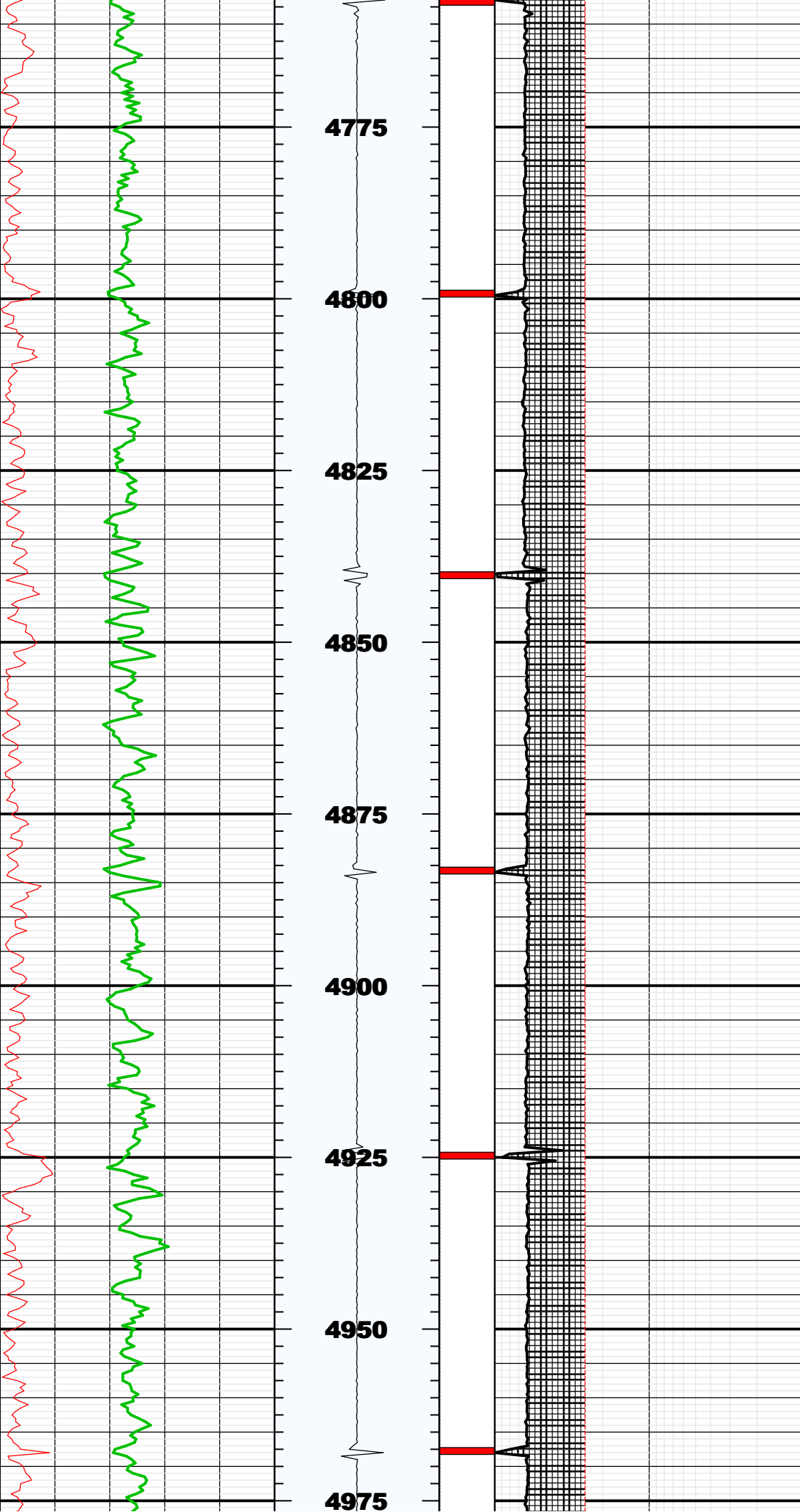


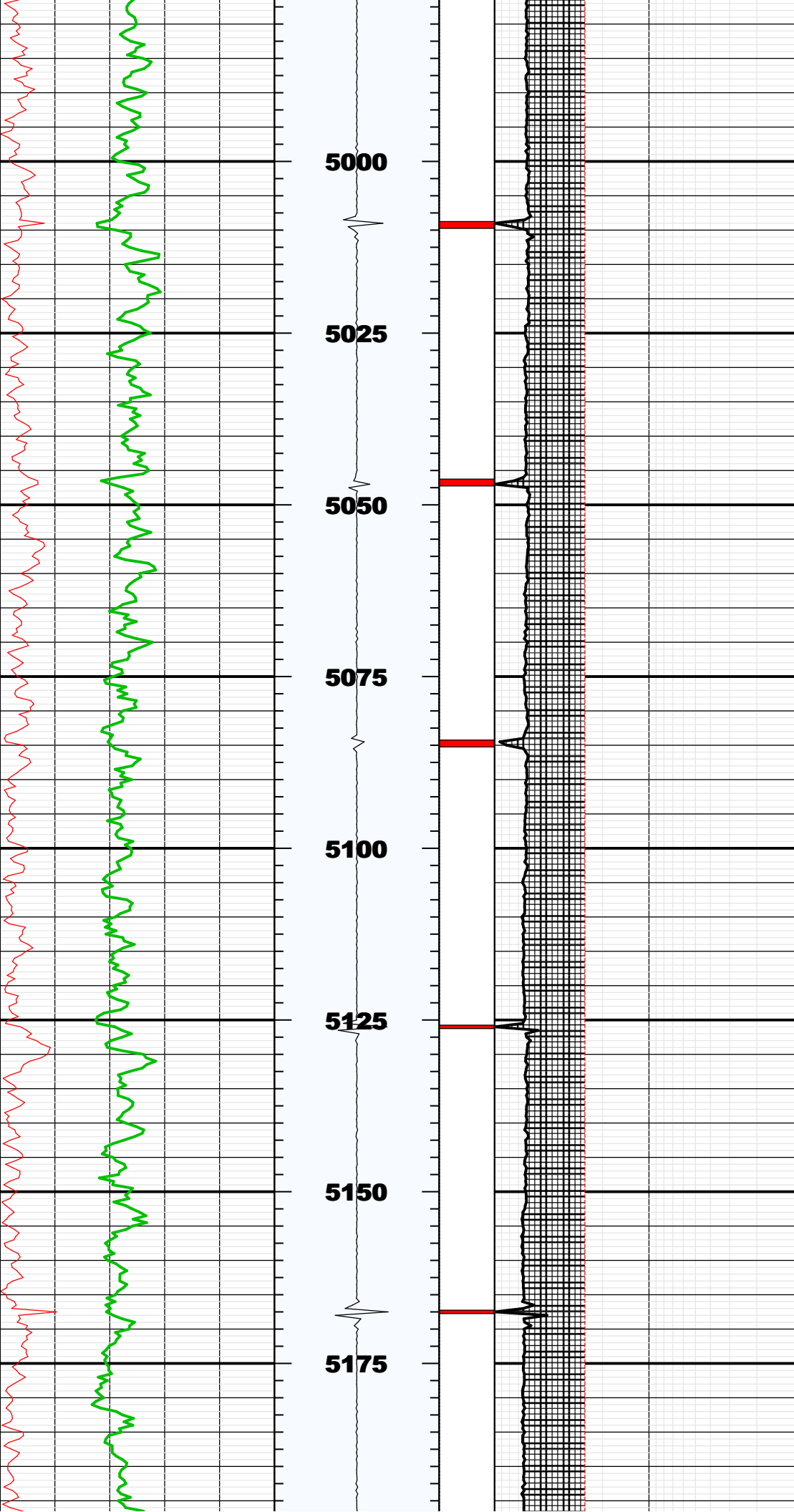


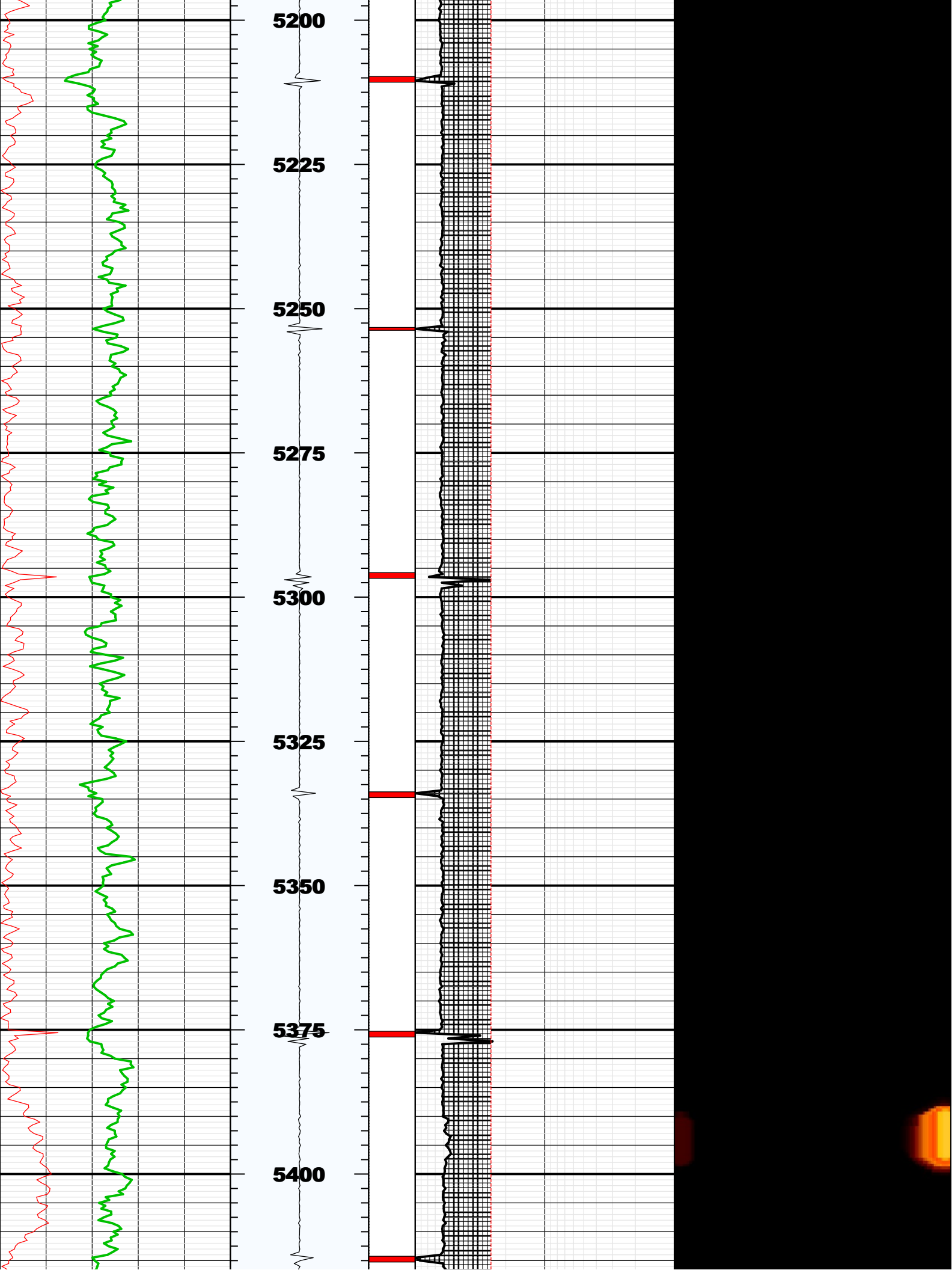


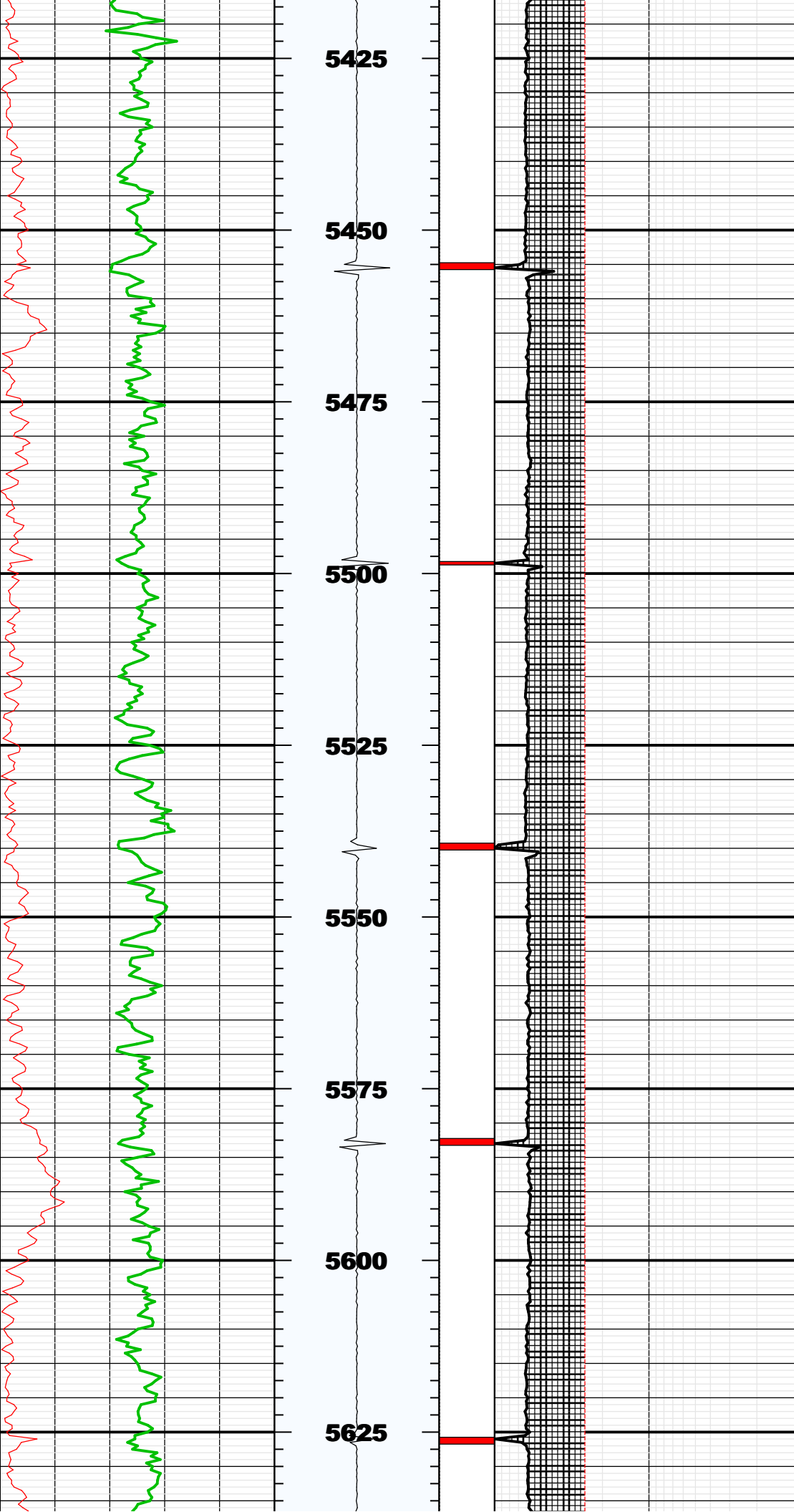


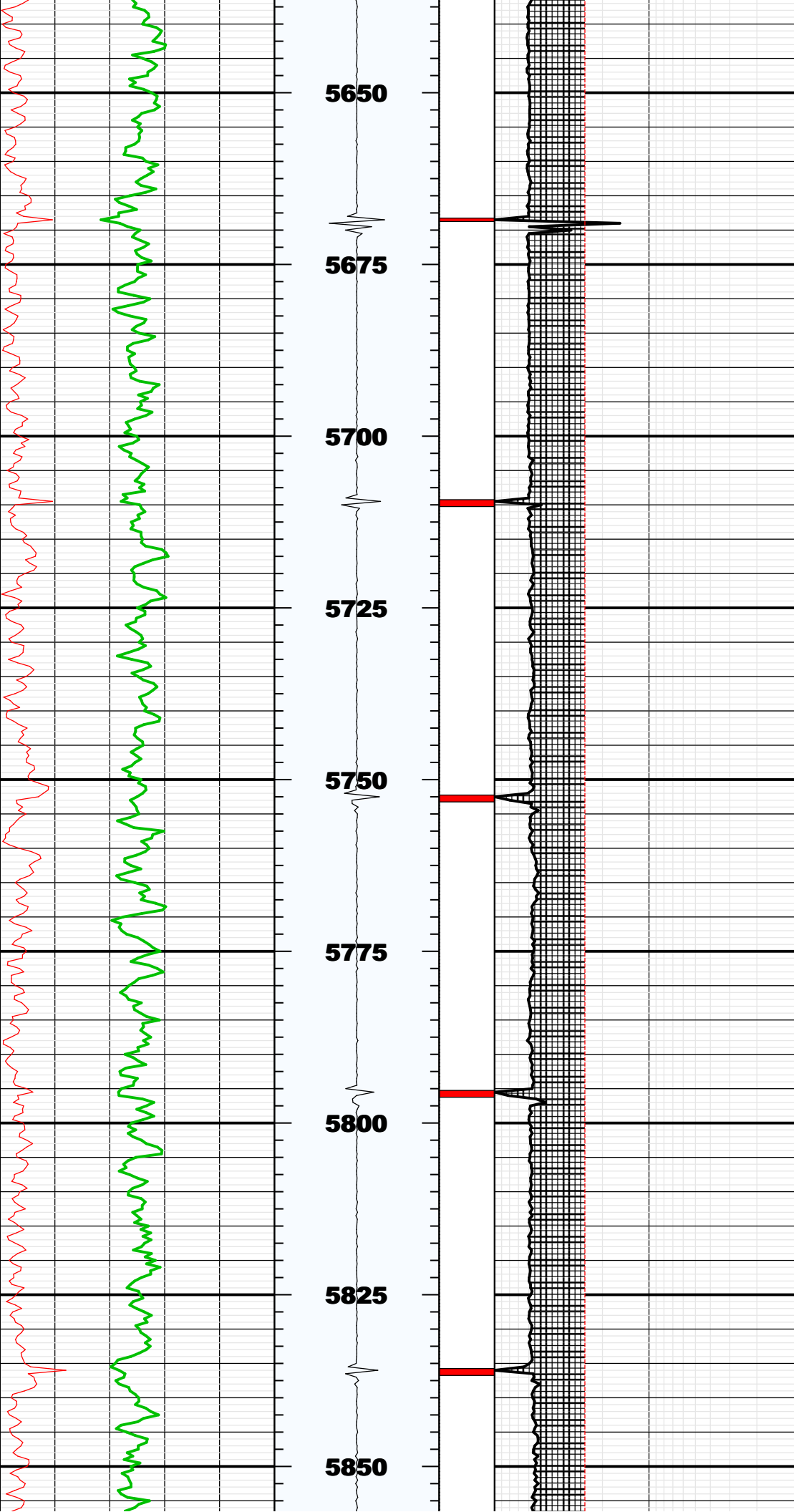


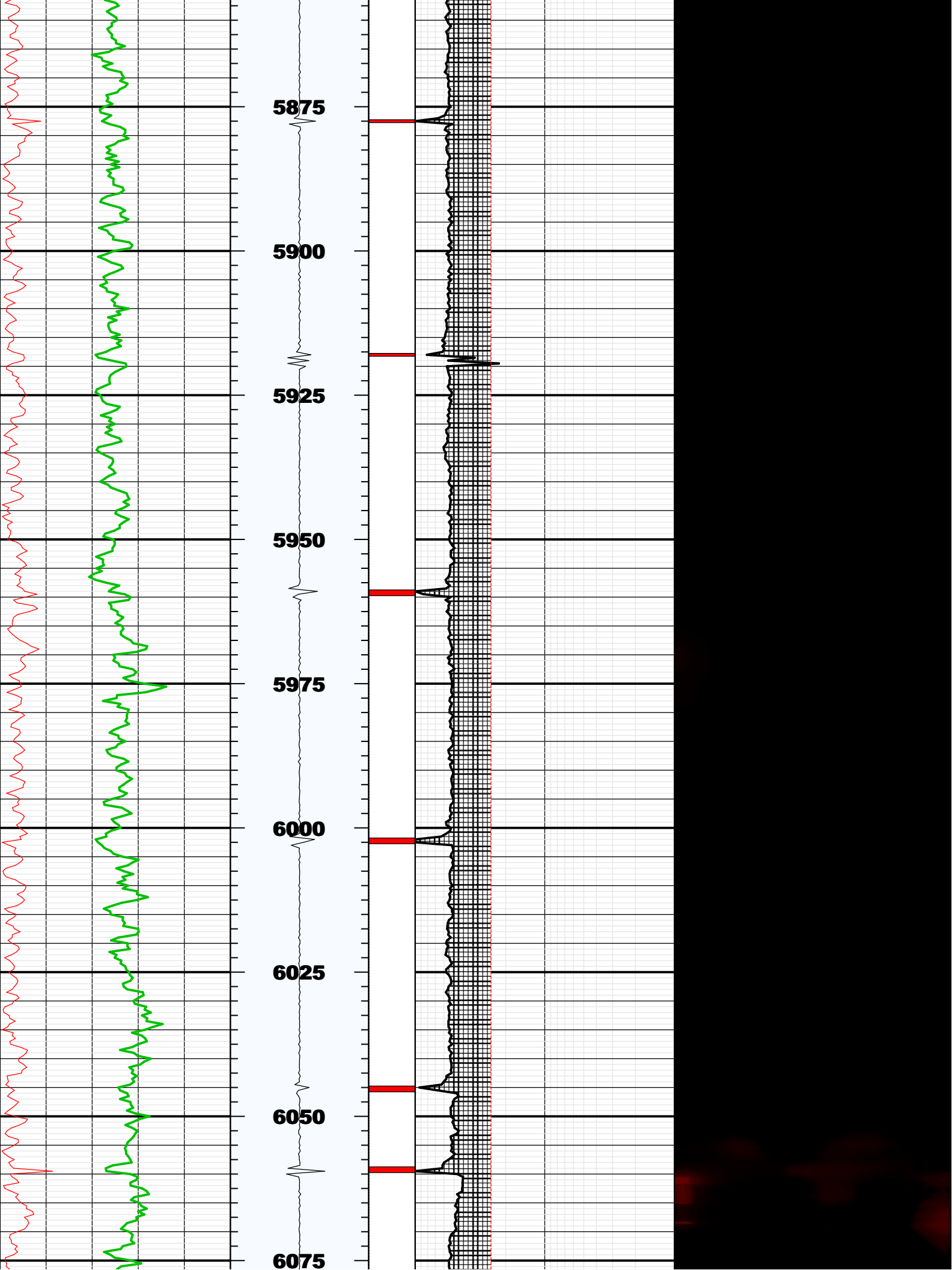


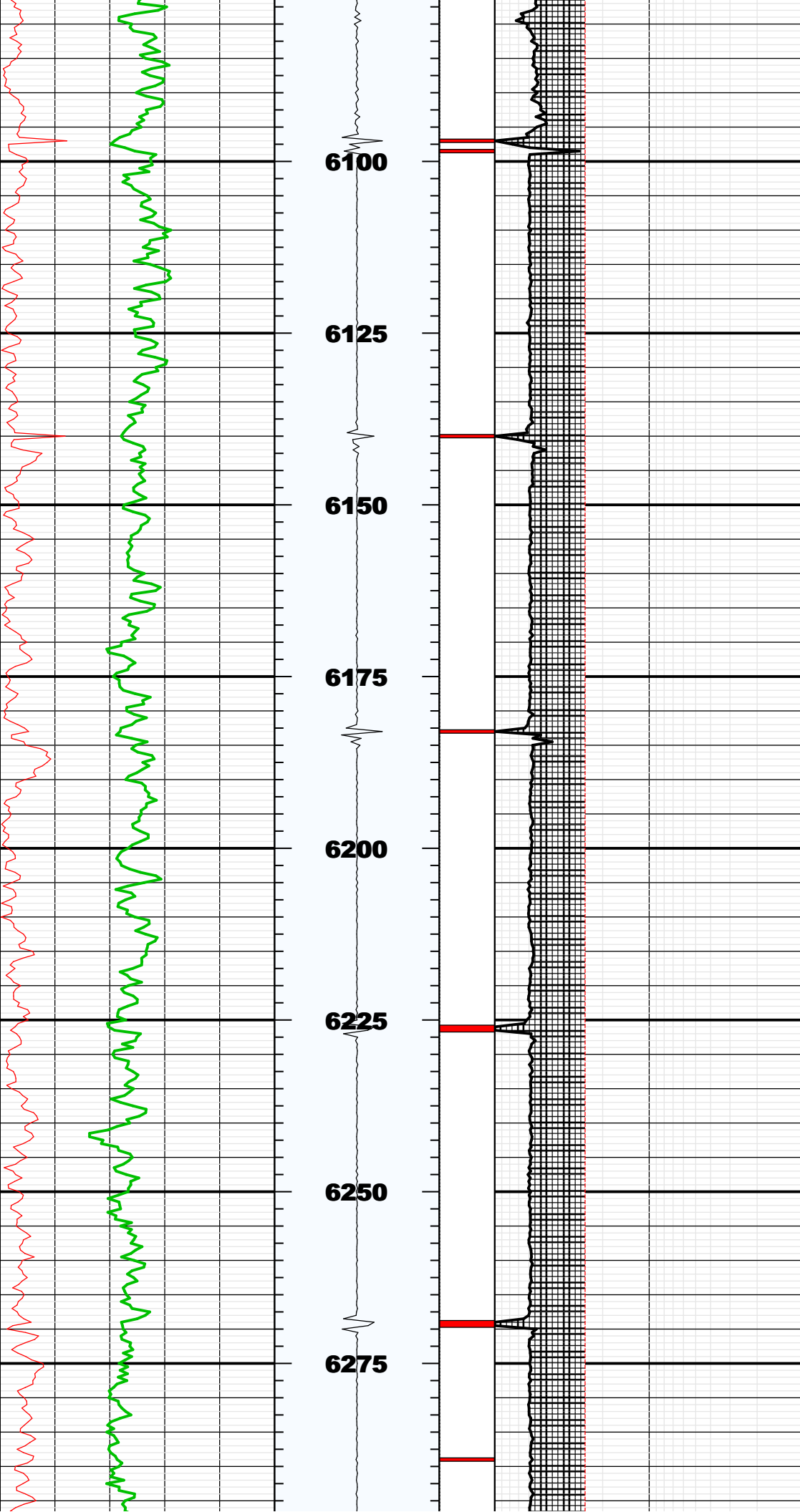


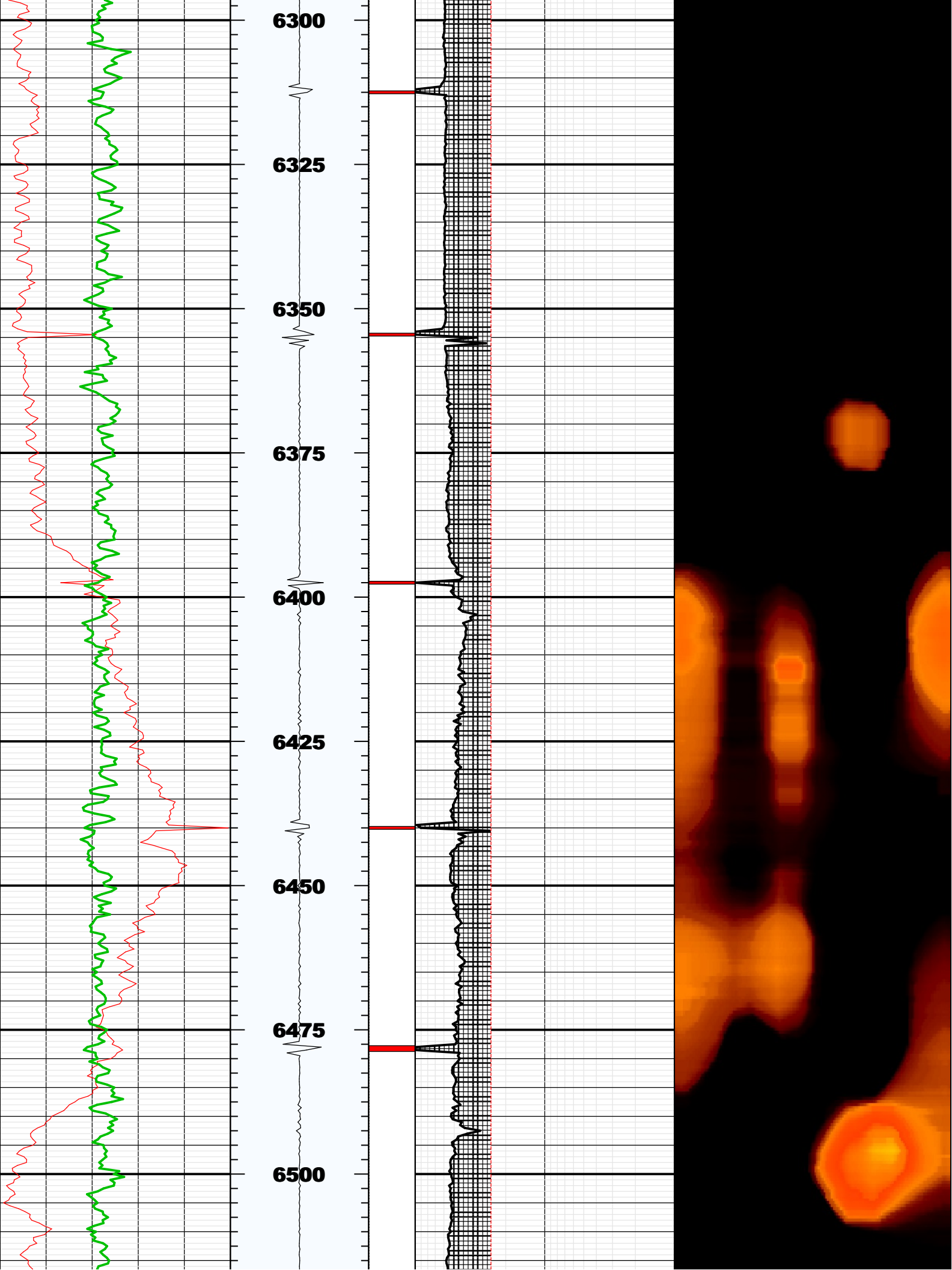


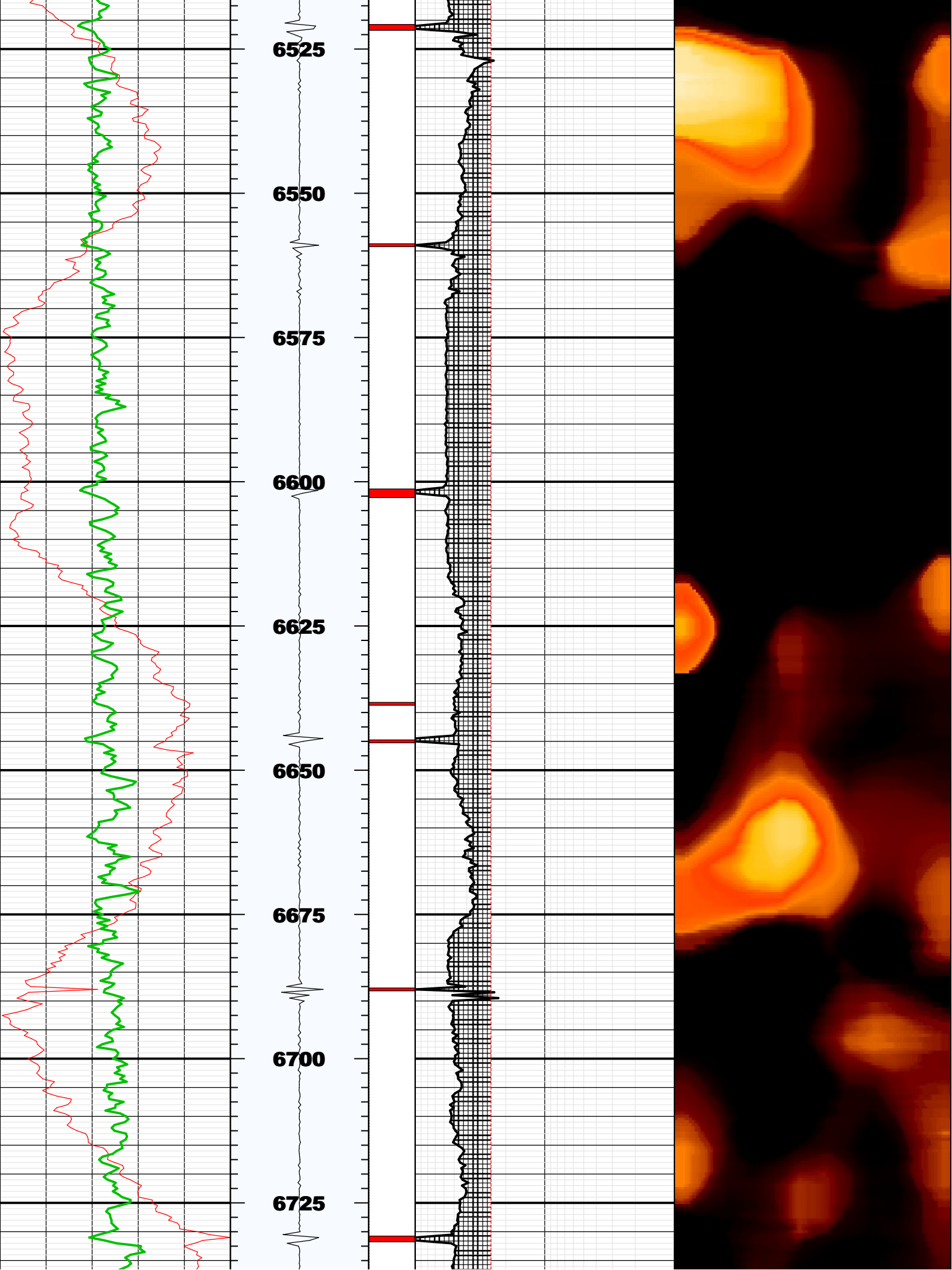


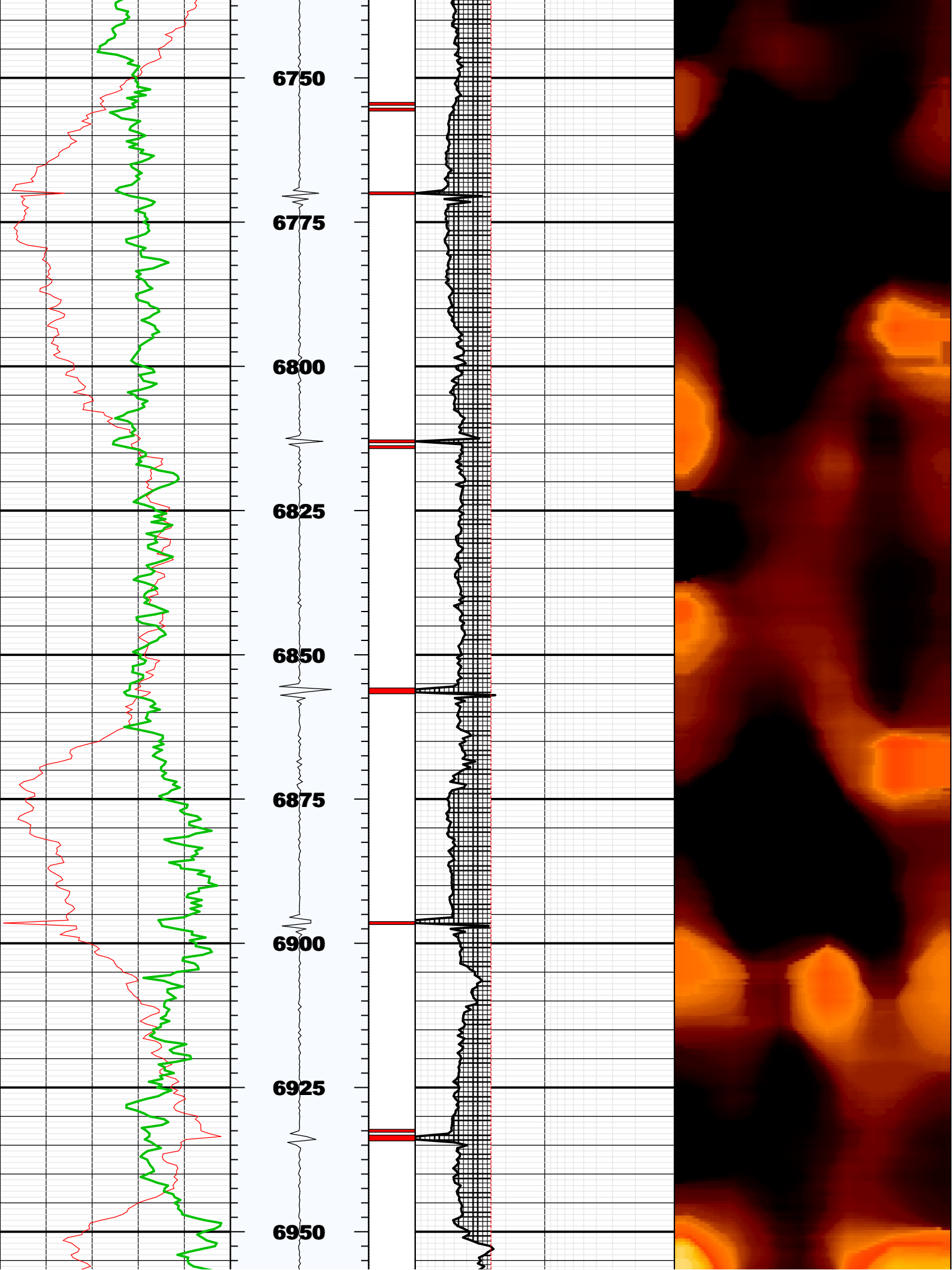


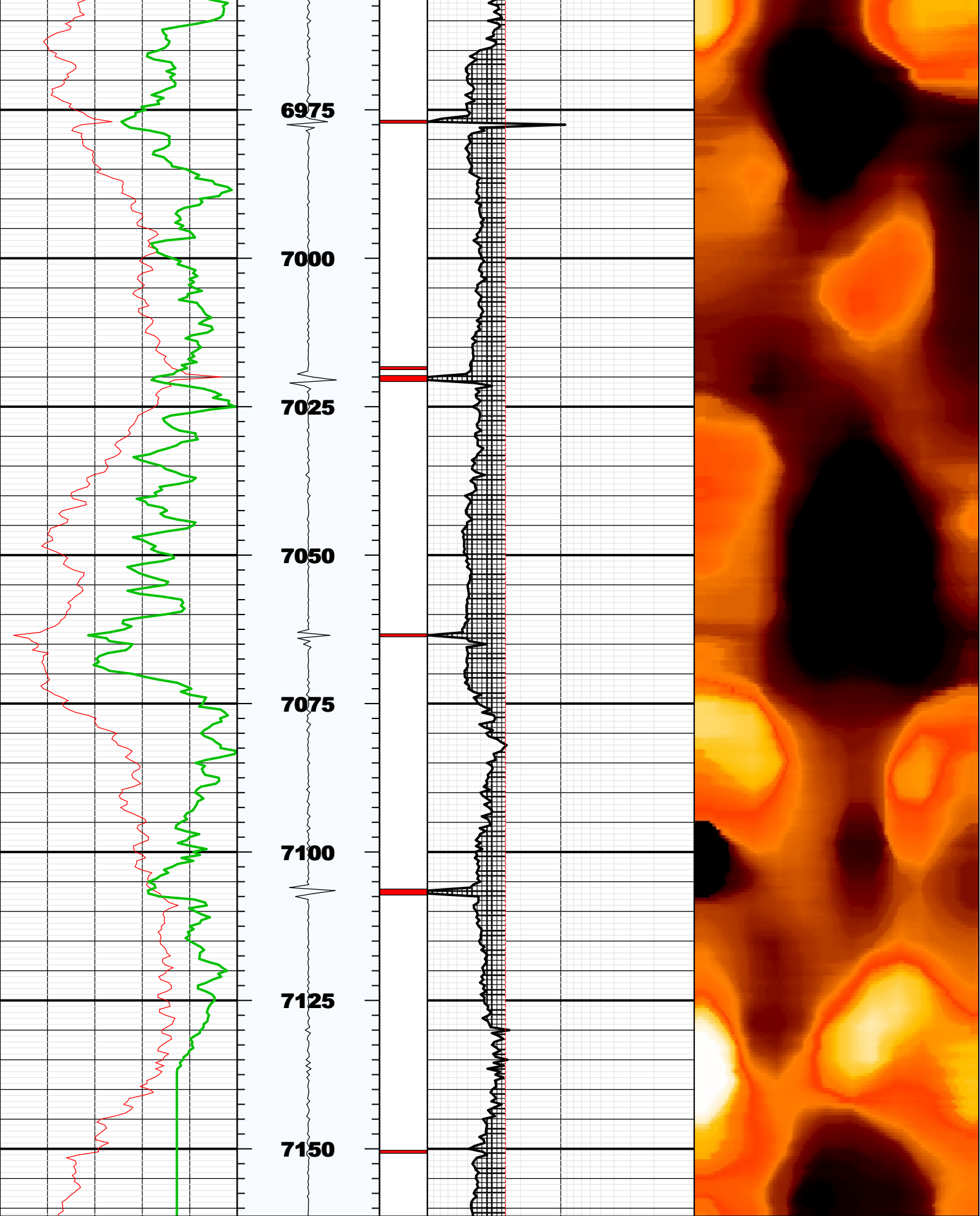








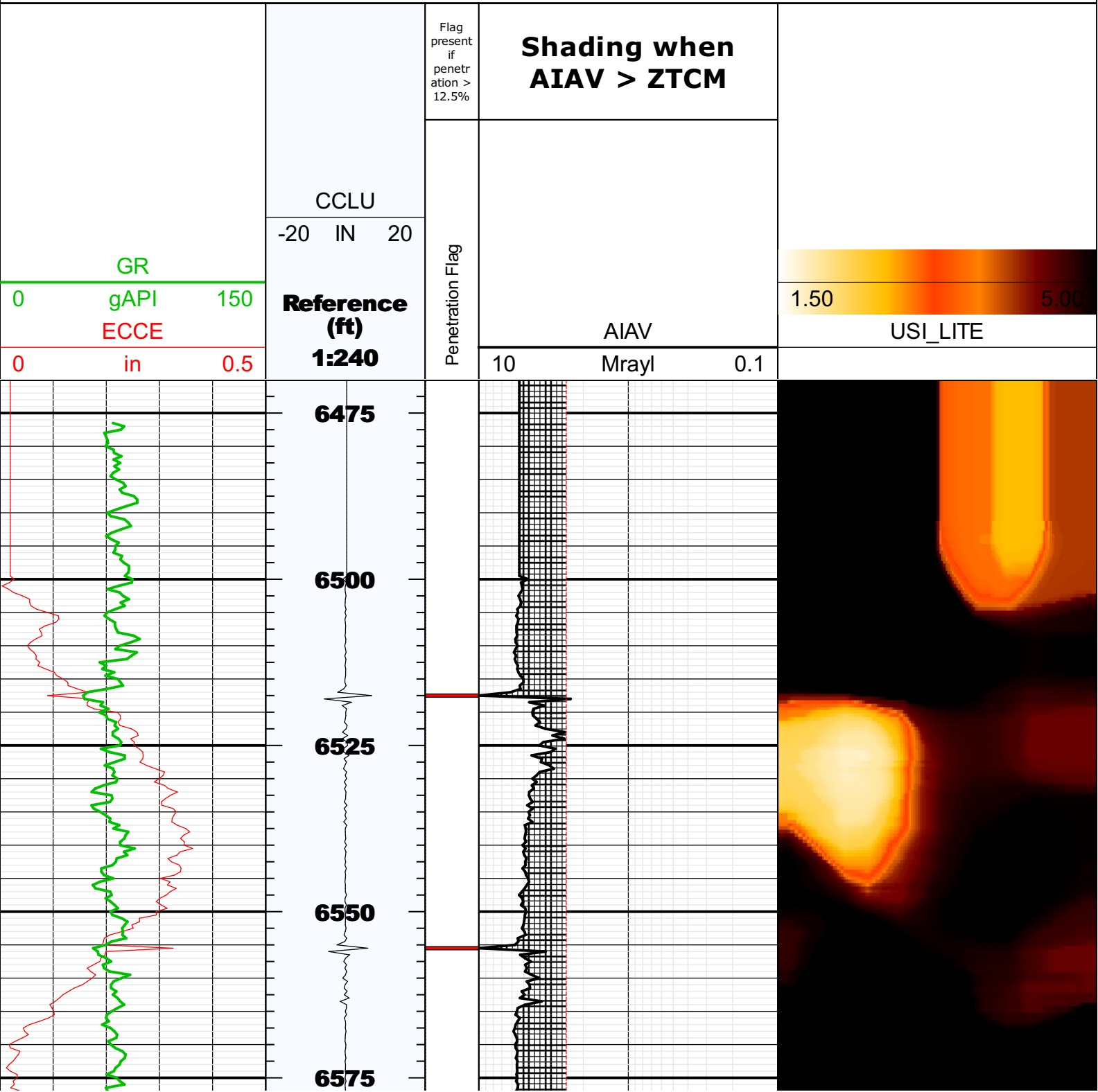


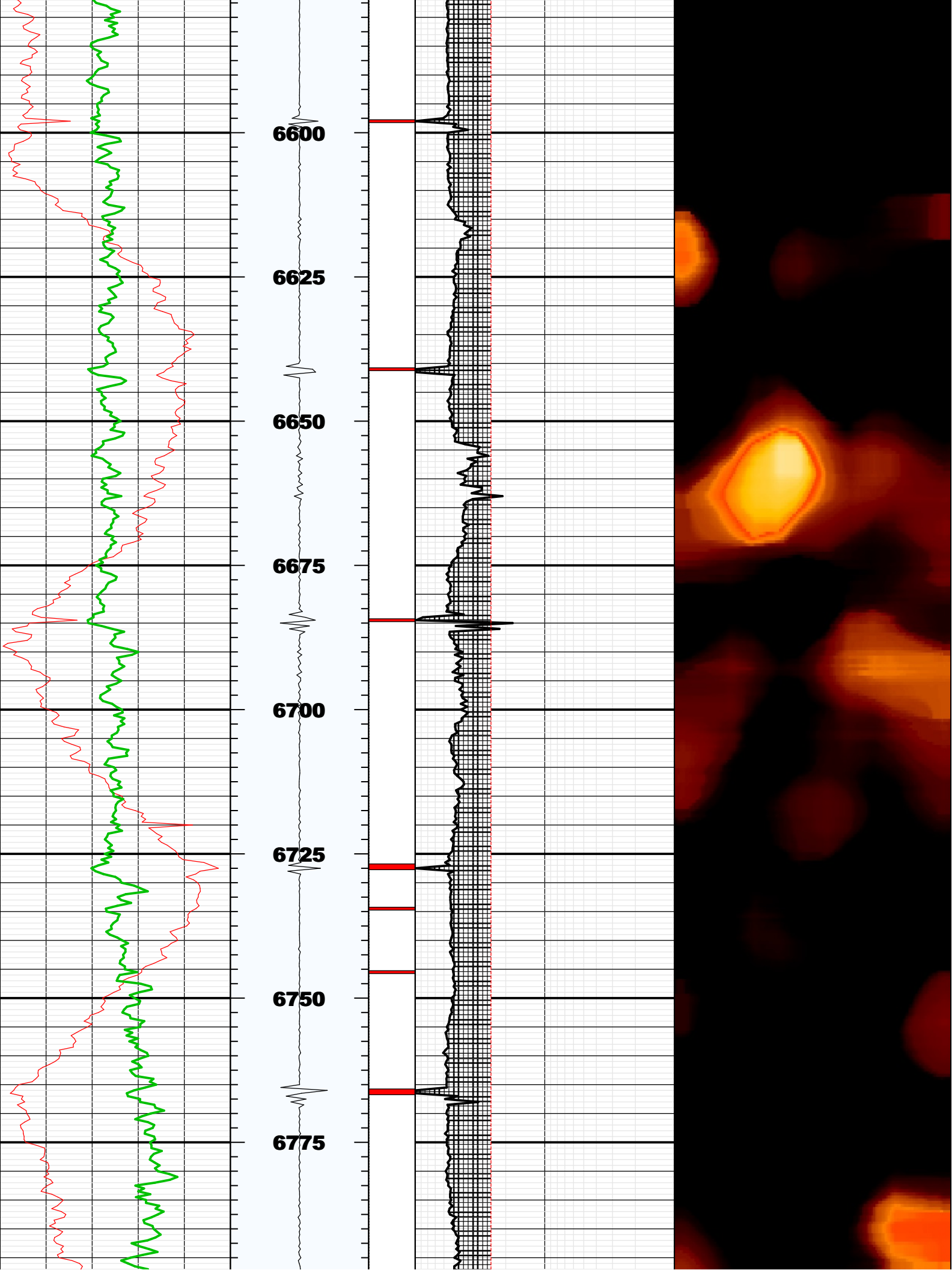


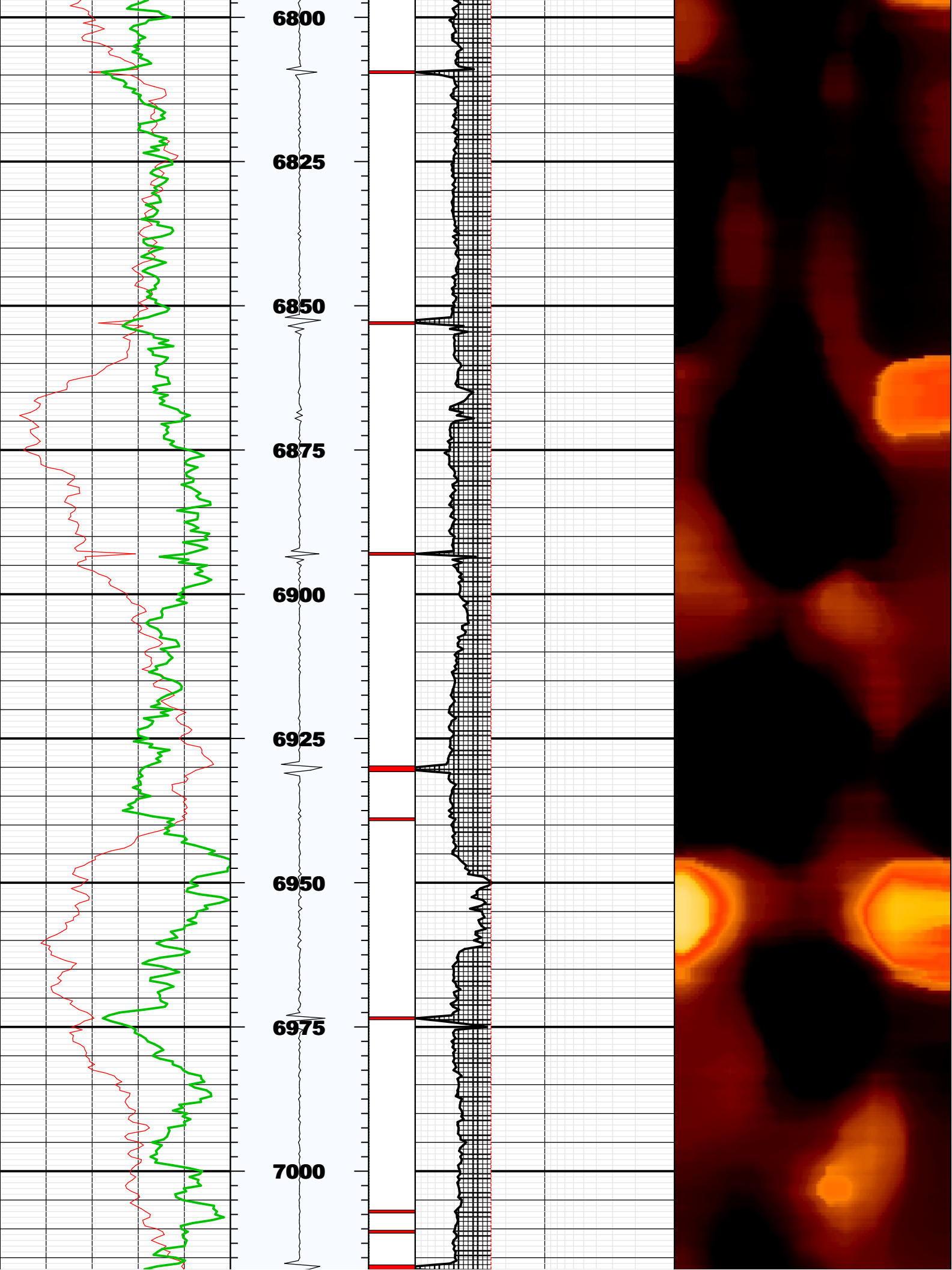
BS	8.75000	IN	Bit Size
CASG	P110		Casing Grade
CDIA	7.00000	IN	Casing Outer Diameter
CSID			
CSIZ	7.00000	IN	Current Casing Size
CWEI	24.00000	LB/F	Casing Weight
DFD	8.40000	LB/G	Drilling Fluid Density
DFVL	206.00000	US/F	Default Fluid Velocity
DO			
DOT	2.87400	IN	Diameter of Transducer Sensor
EMXV	40	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	0.32939	IN	Nominal Thickness of Casing
TMUC	WRM		Type of Mud
U-USIT_DT3P			
UPAT	500K		Emission Pattern
USUB	7INC		USIT Sub Identifier
UWKM	D603010L		Working Mode
VCAS	51.40000	US/F	Ultrasonic Transversal Velocity in Casing
WINB	33.24727	US	Window Begin Time
WINE	85.91758	US	Window End Time
ZCAS	46.25000	MRAY	Acoustic Impedance of Casing
ZINI	-1.00000	MRAY	Initial Estimate of Cement Impedance
ZMUD	1.64000	MRAY	Acoustic Impedance of Mud
ZTCM	2.60000	MRAY	Acoustic Impedance Threshold for Cement
ZTGS	0.30000	MRAY	Acoustic Impedance Threshold for Gas
WLEN	20.40916	US	T ³ Processing Length

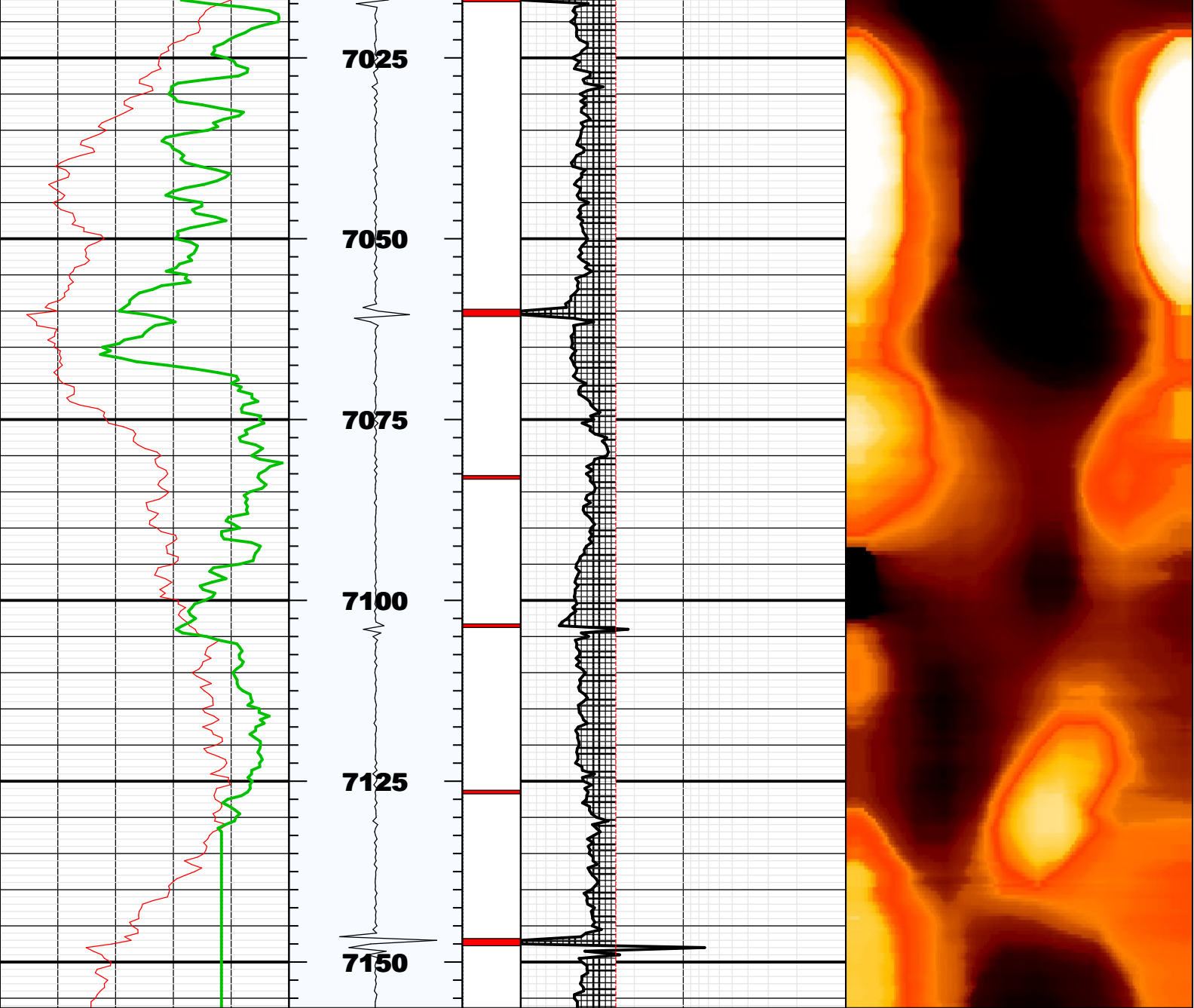
Repeat Pass

Company: Noble Energy Inc
Well: Coalview G02-63-1HN
Field: Wattenberg









Fluid Properties Used for Main Pass

