

Company: Noble Energy Inc

Well: Coalview G02-64-1HN
Field: Wattenberg
County: Weld State: Colorado

County: Weld			
Field: Wattenberg			
Location: NESE Sec.1 T4N R65W			
Well: Coalview G02-64-1HN			
Company: Noble Energy Inc			
USI-LITE			
Permanent Datum: Log Measured From: Drilling Measured From:		GL DF DF	Elev: K.B. 4815.0 F G.L. 4815.0 F D.F. 4841.0 F
API Serial No. 05-123-39892-0000		Section 1	Township 65W
Range 65W			
Logging Date	13-Sep-2014		
Run Number	One		
Depth Driller	15943.9 F		
Schlumberger Depth	15943.9 F		
Bottom Log Interval	7000.0 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	7280.0 F		
Casing Size	7.00 IN		
Weight	26.00 LB/F		
Grade	P110		
From	0.0 F		
To	7270.1 F		
Max Recorded Temp	245.0		
Logger on bottom (date)	13-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

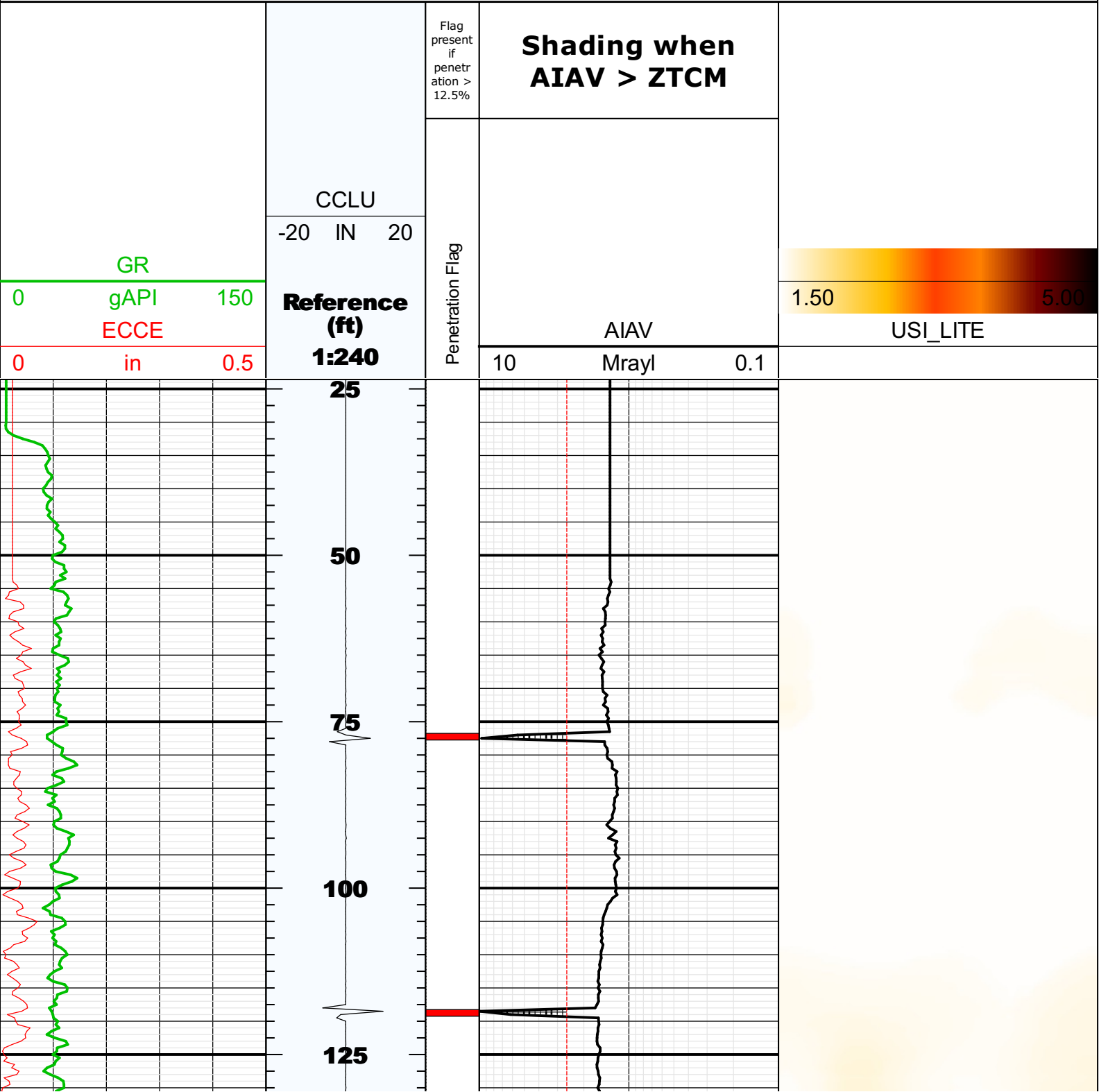
DISCLAIMER

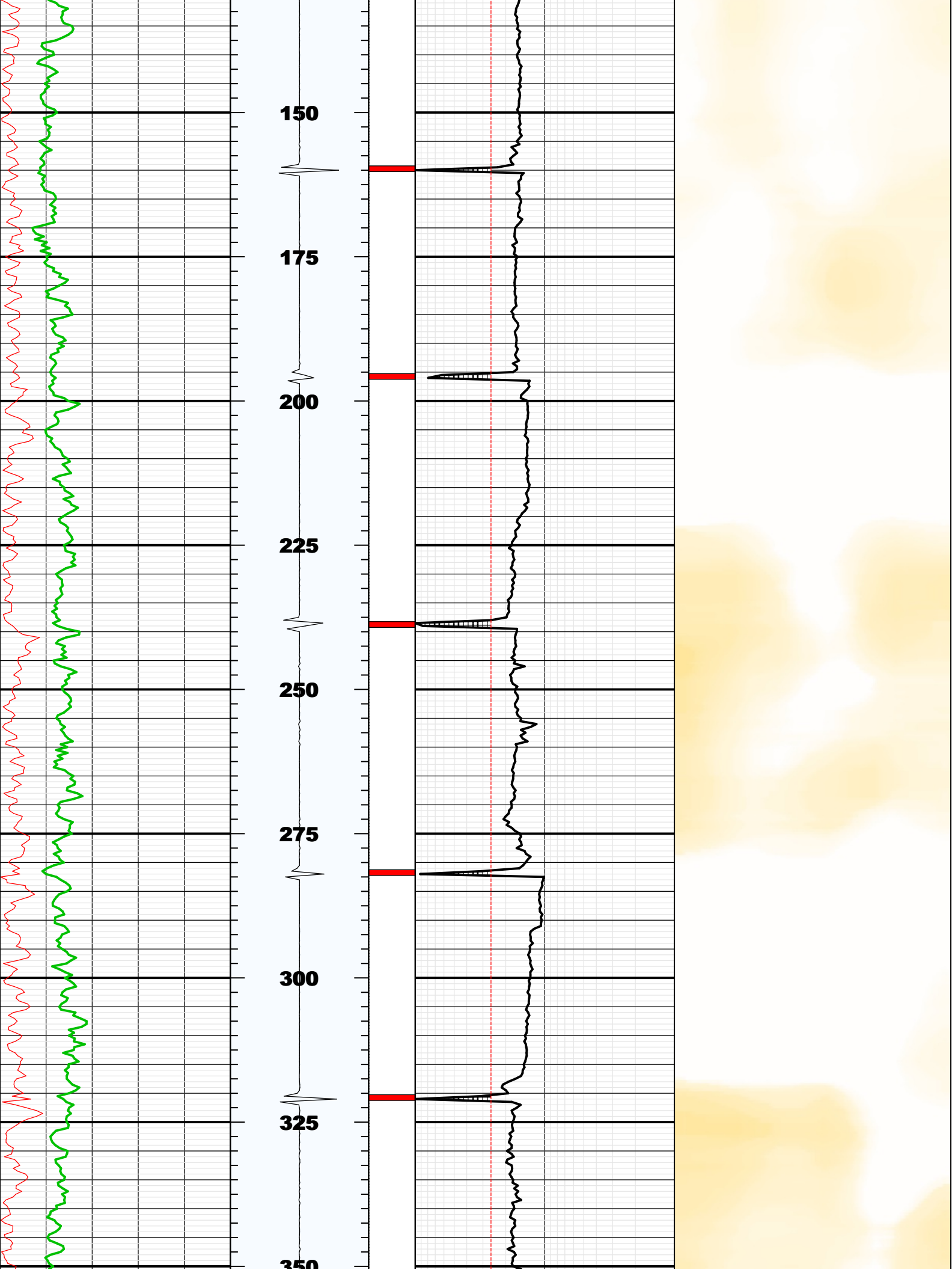
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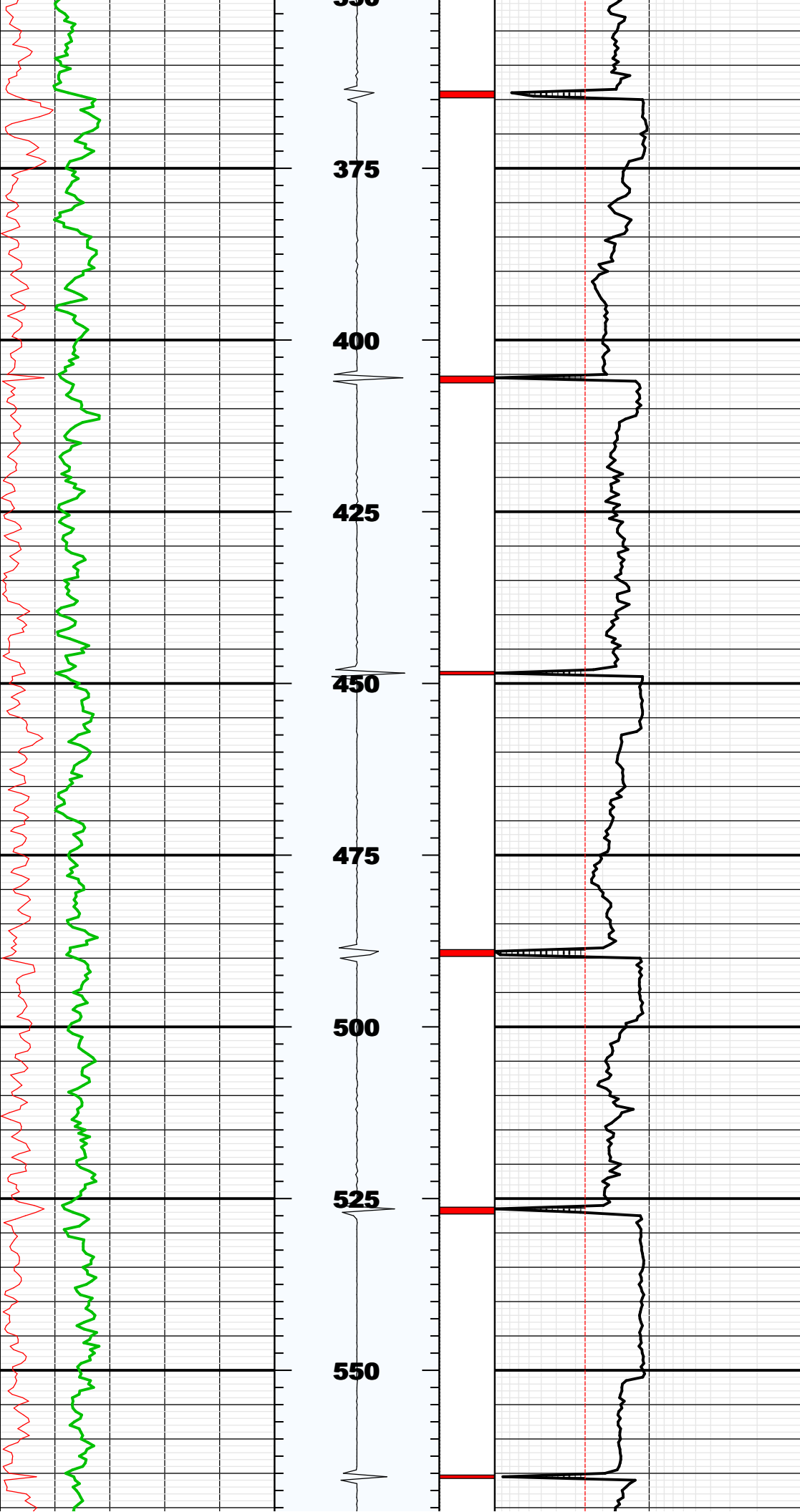
Tool String run as per tool sketch
Top of Cement 1025 ft.
Bottom Log Temperature 245 degF
13.6 ppg single slurry cement
0 PSI repeat pass 2500 main pass
Crew Ian Derry Derrick Hunter

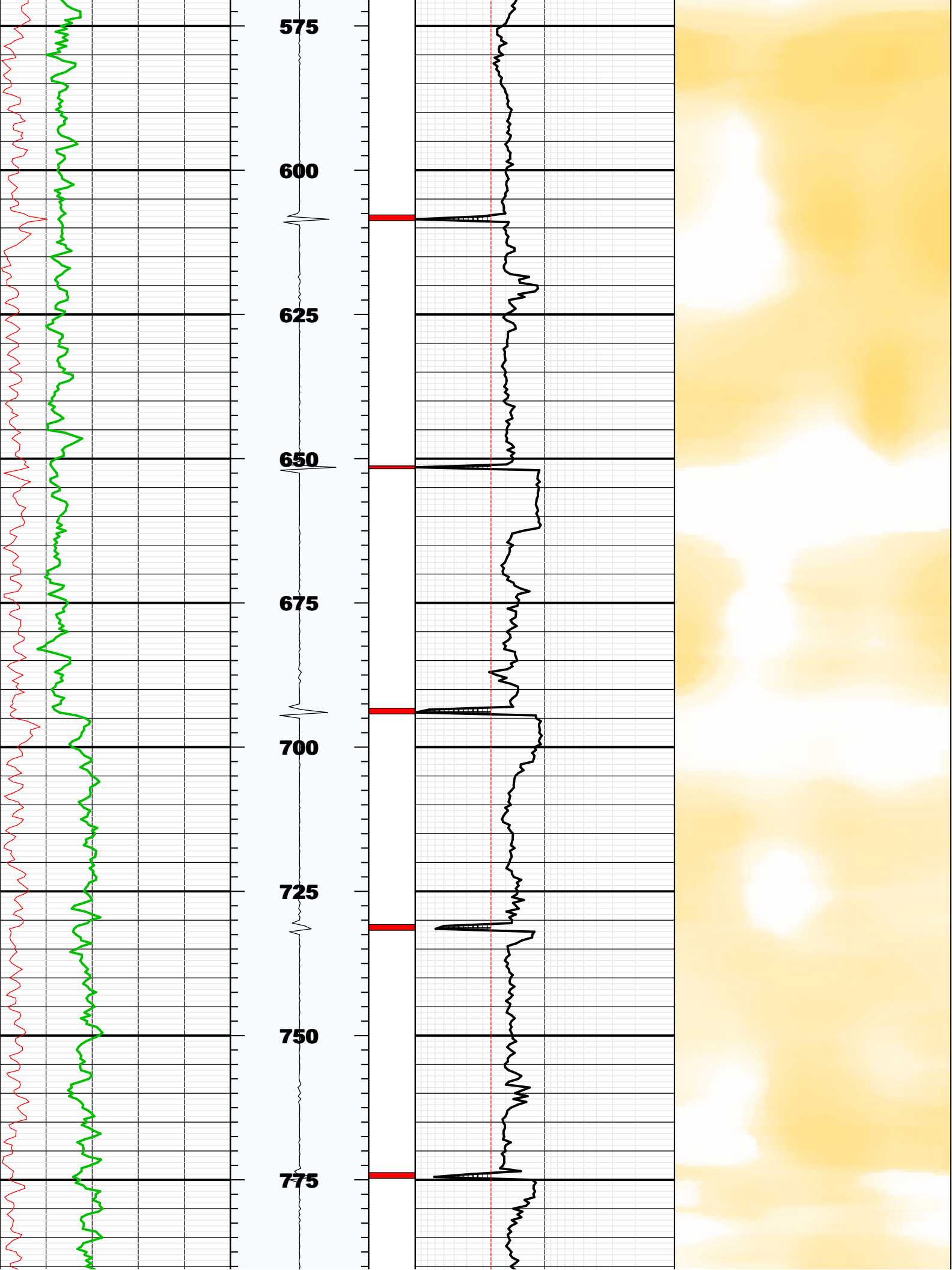
Main Pass

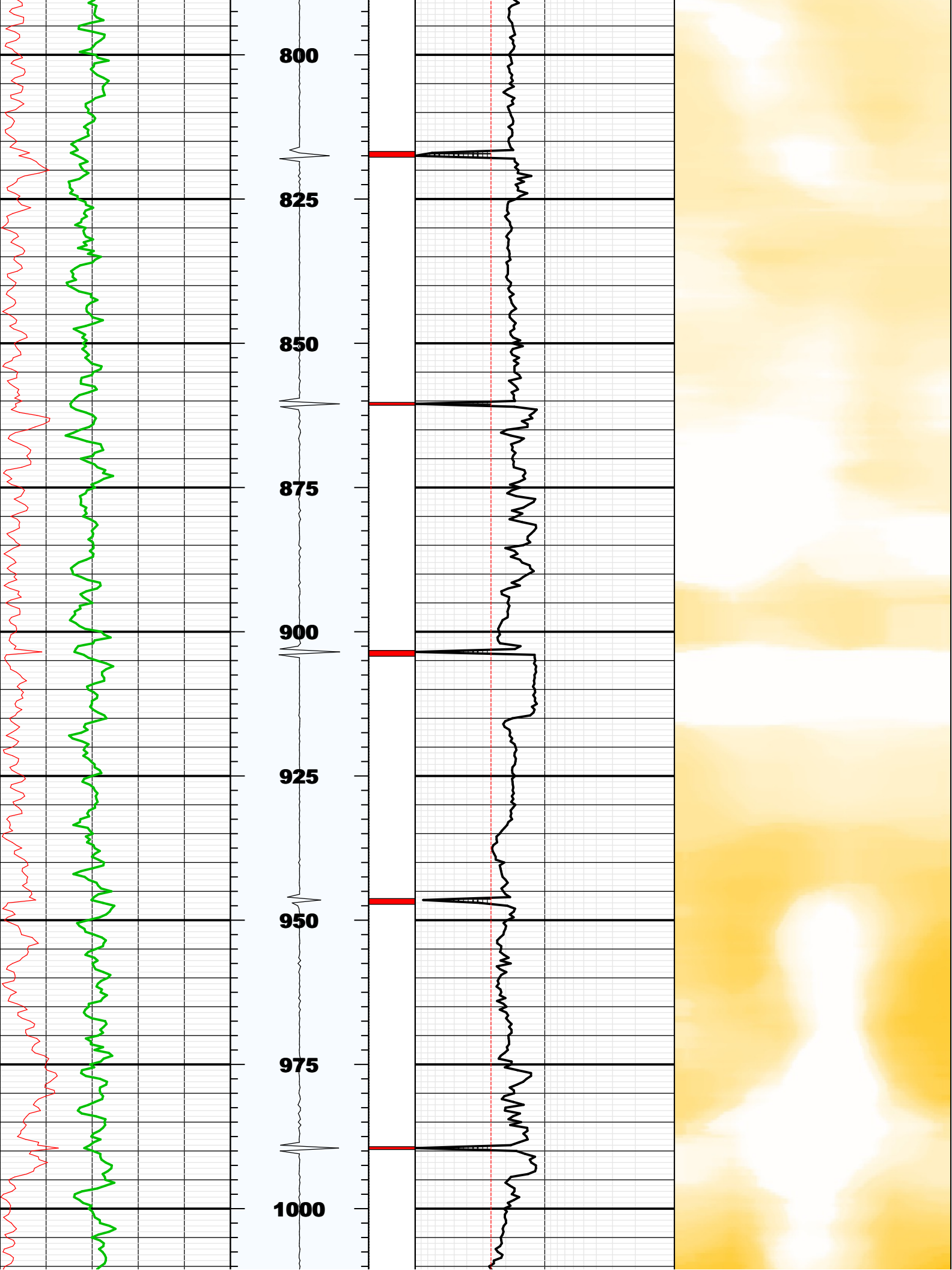
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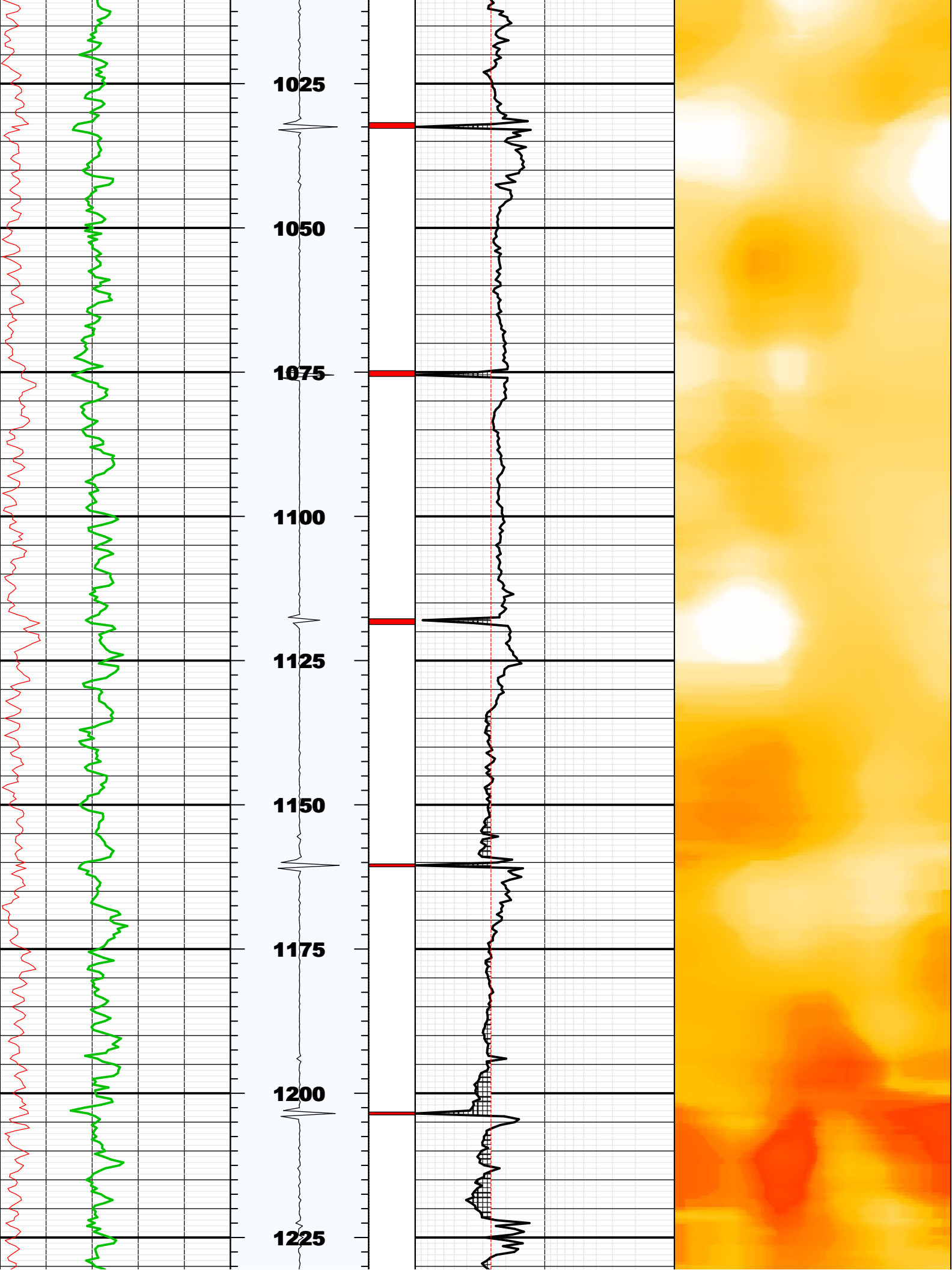


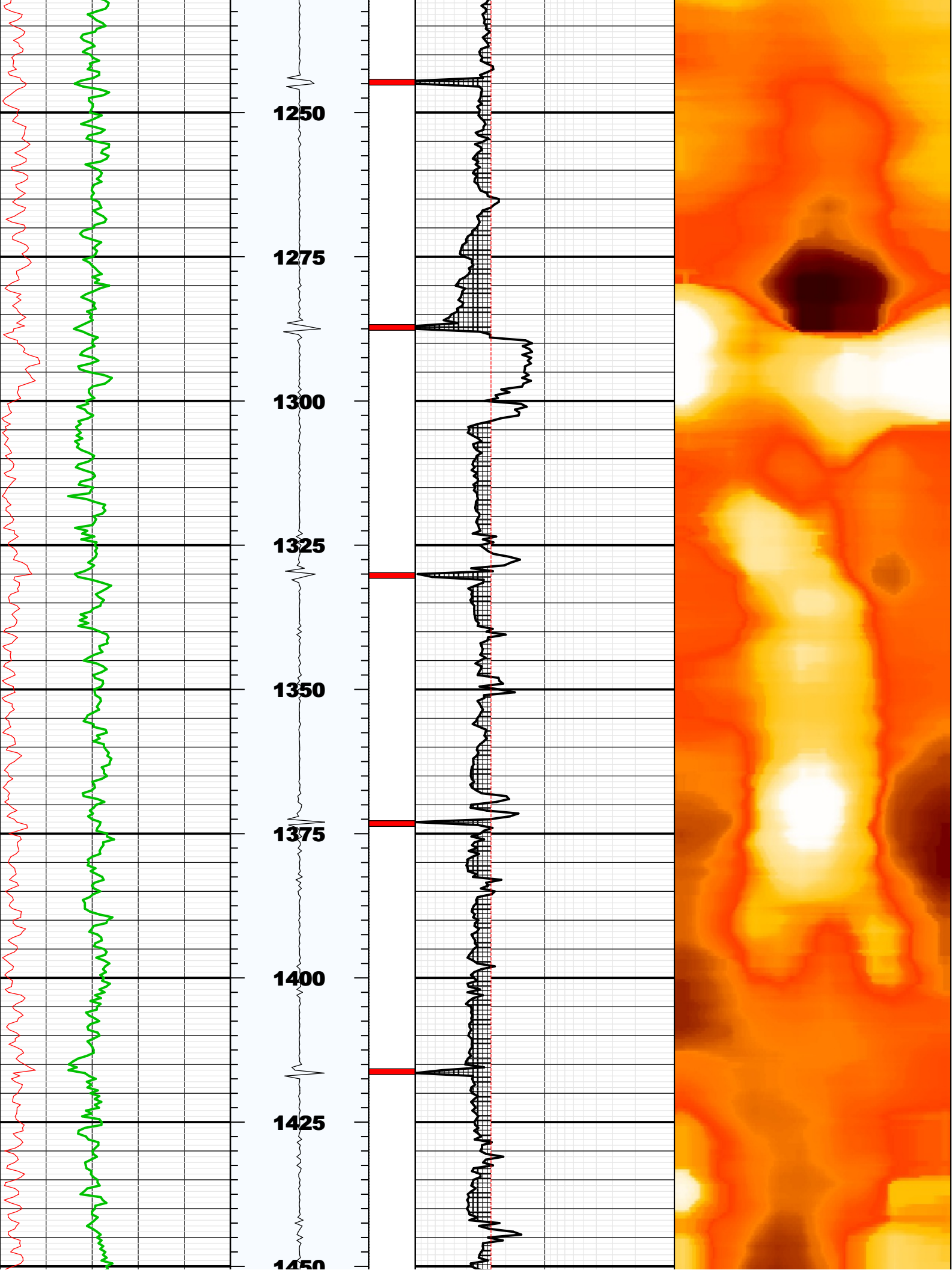


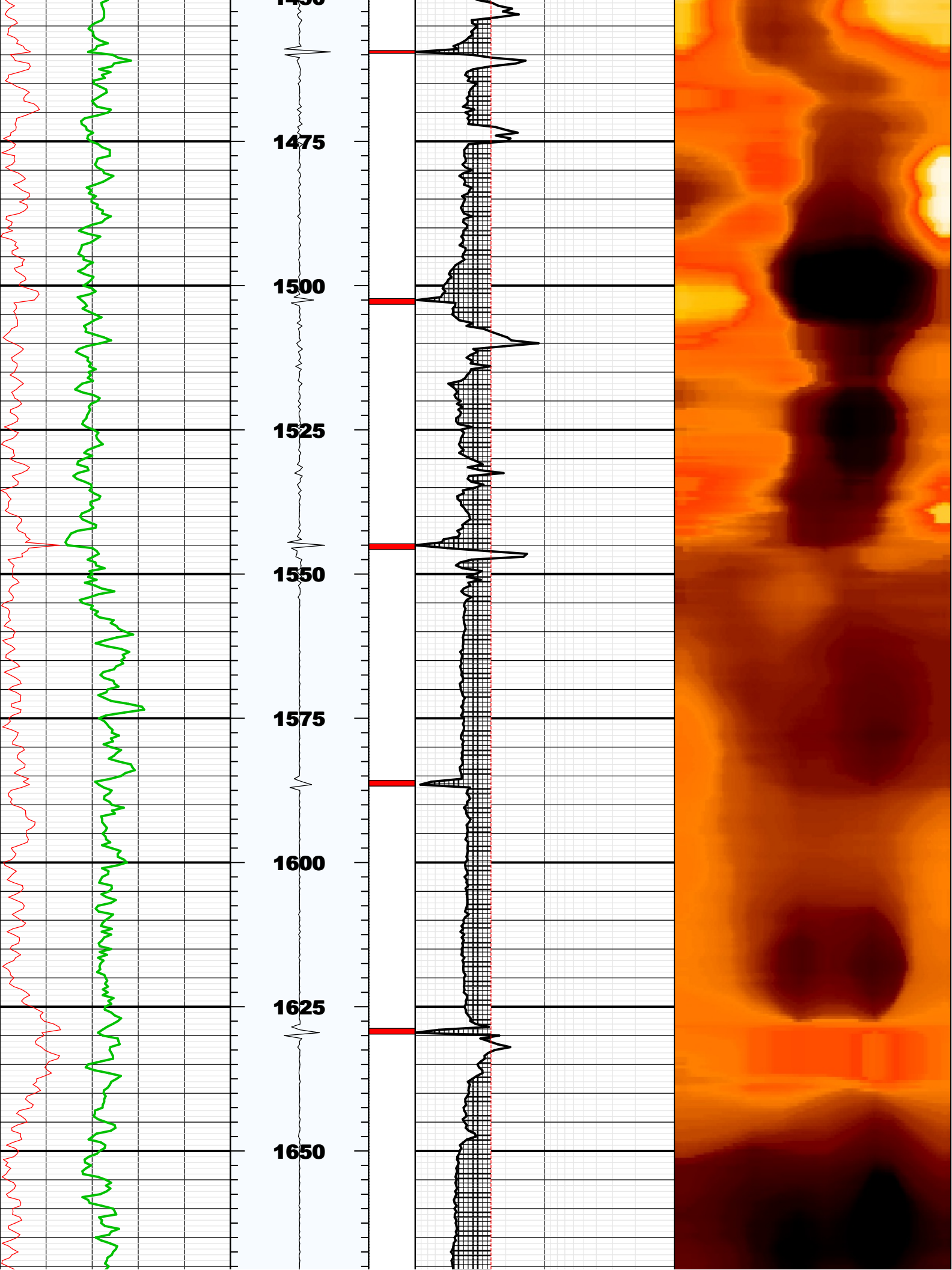


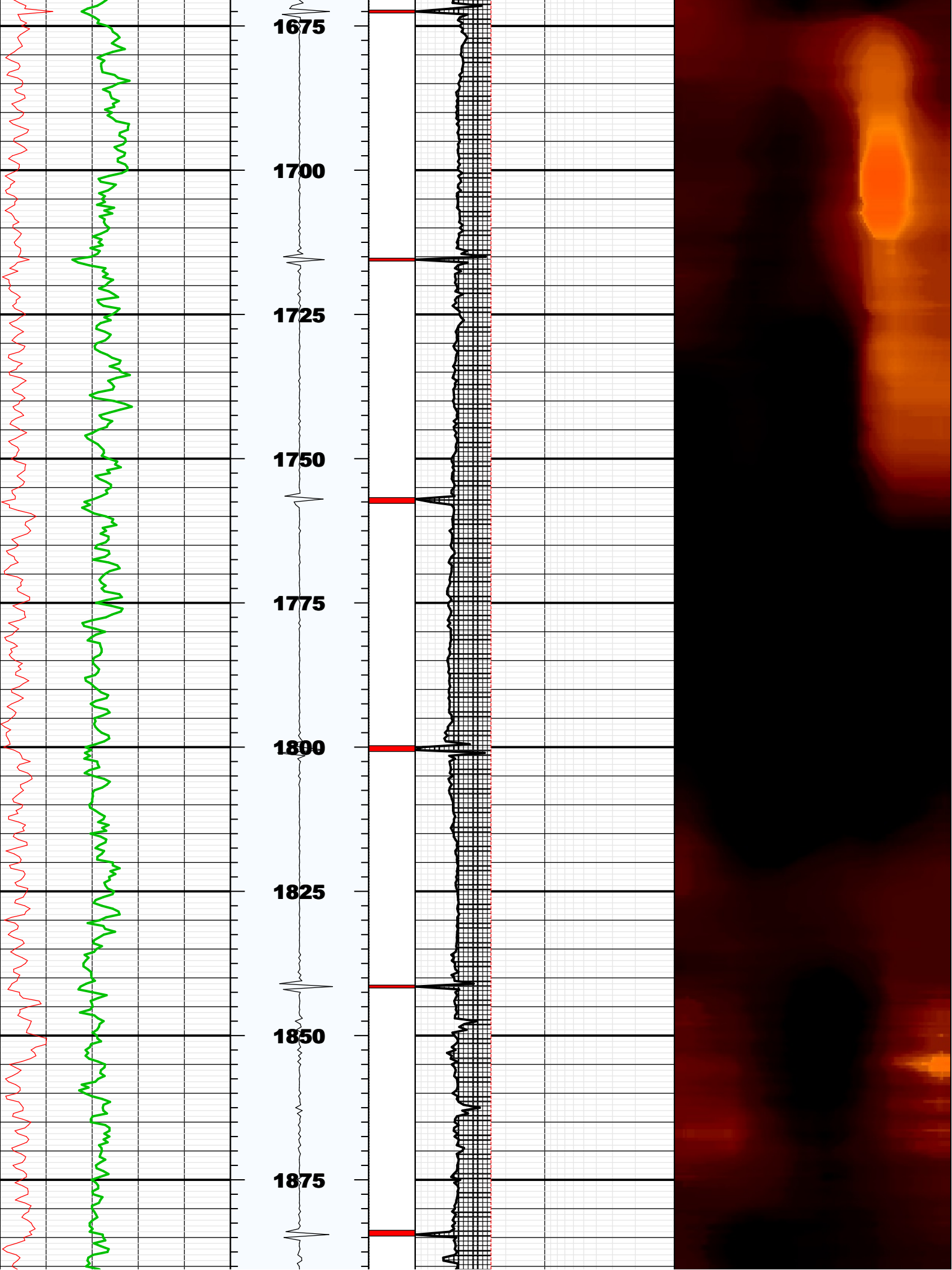


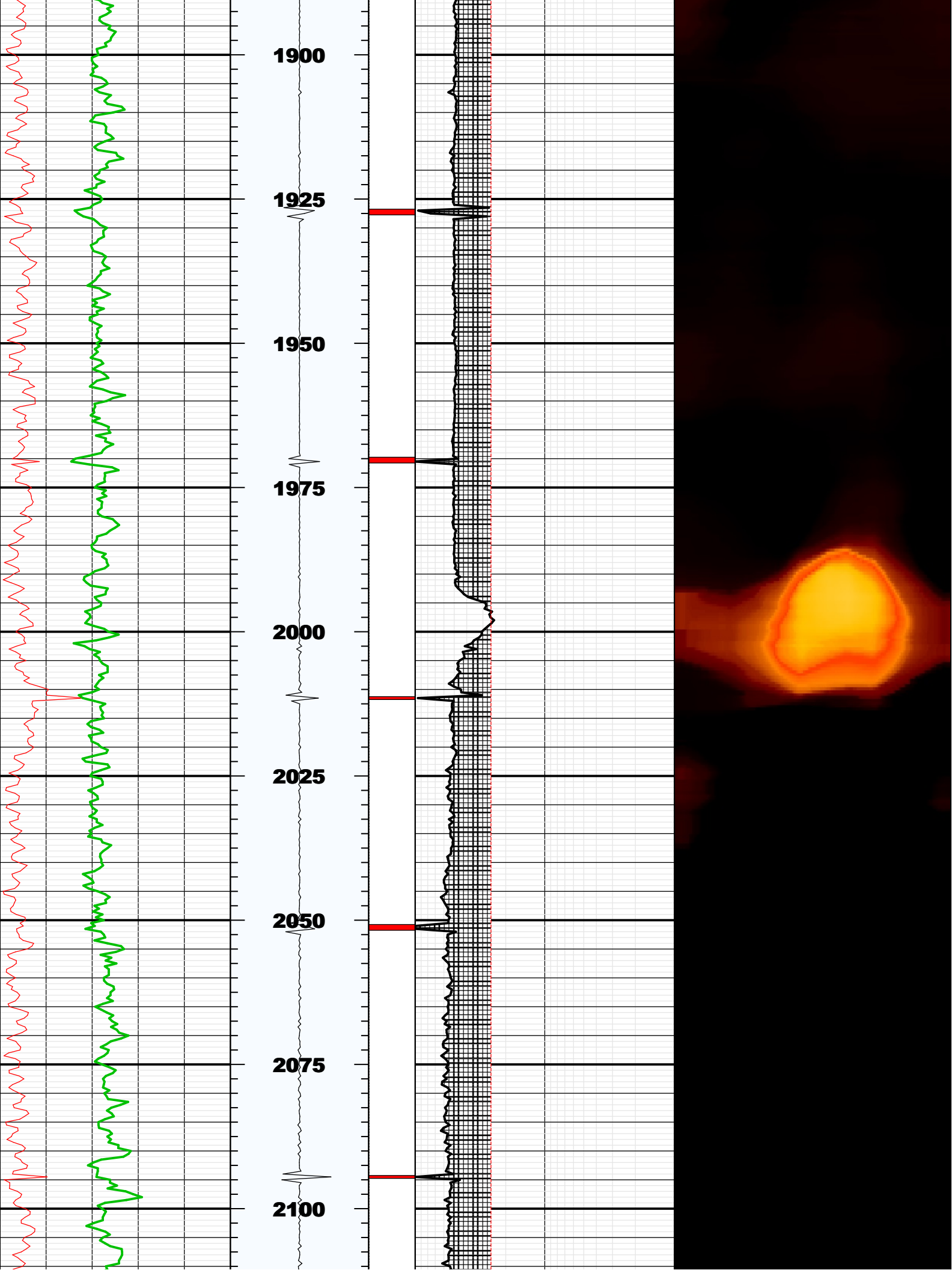


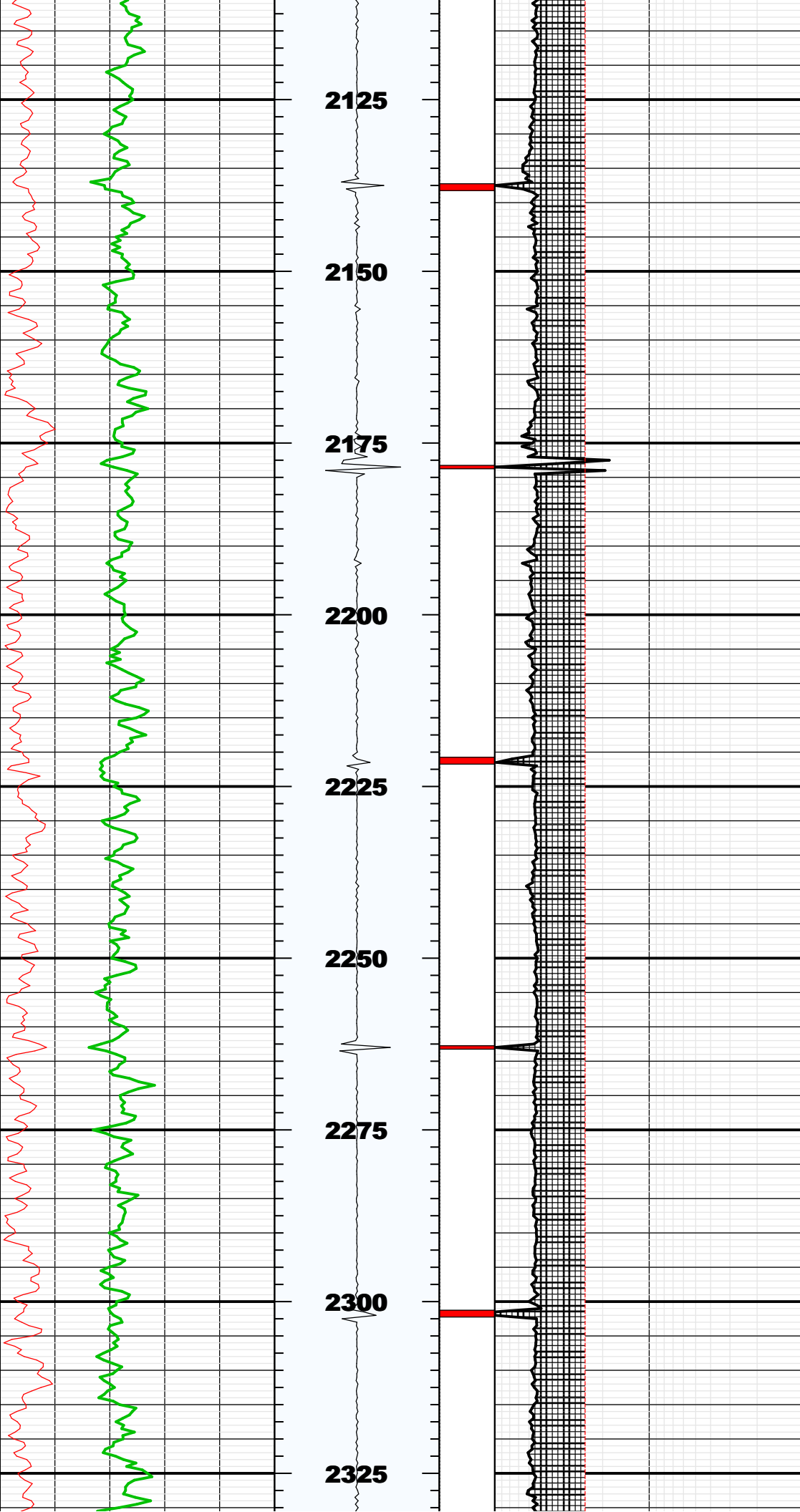


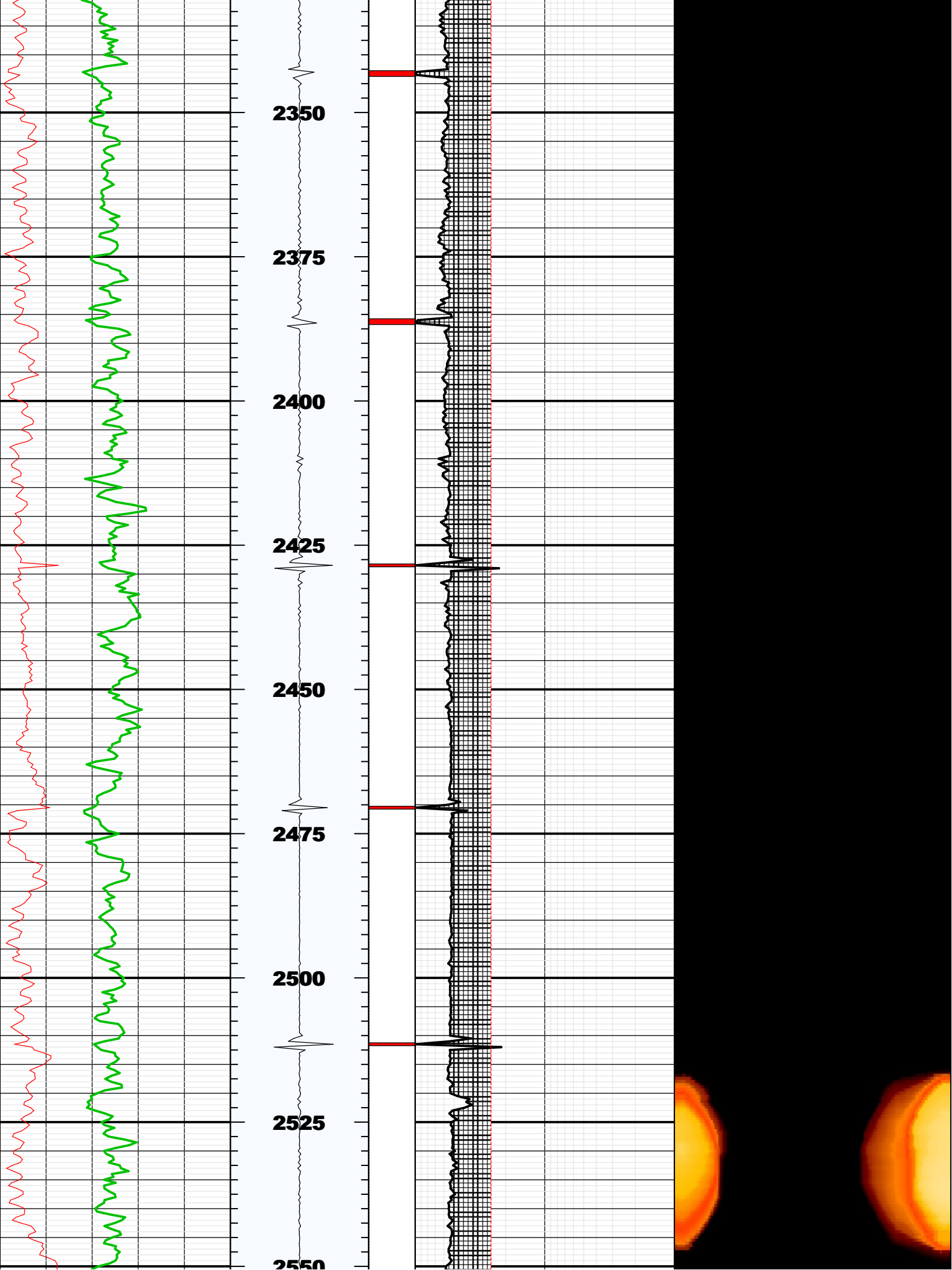


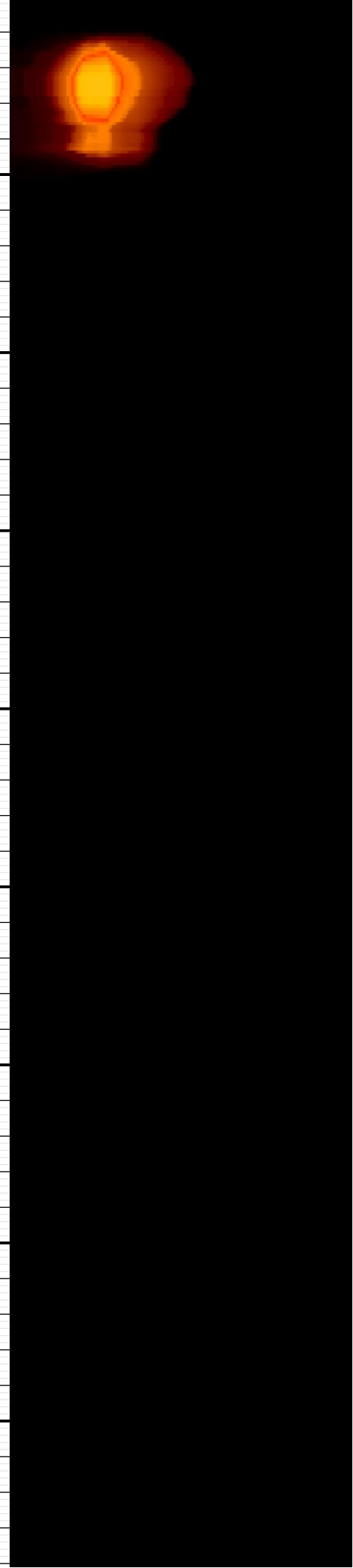
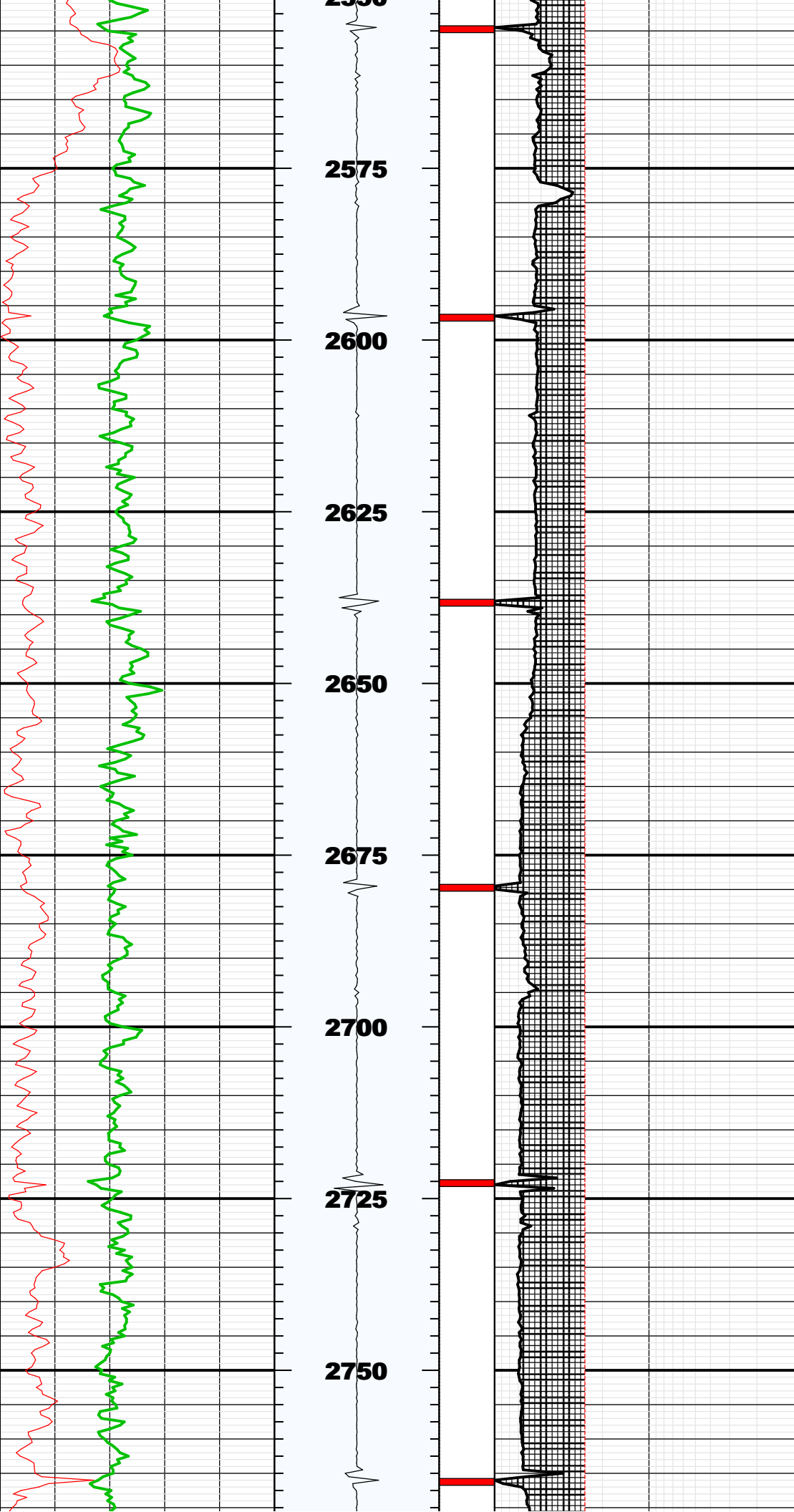


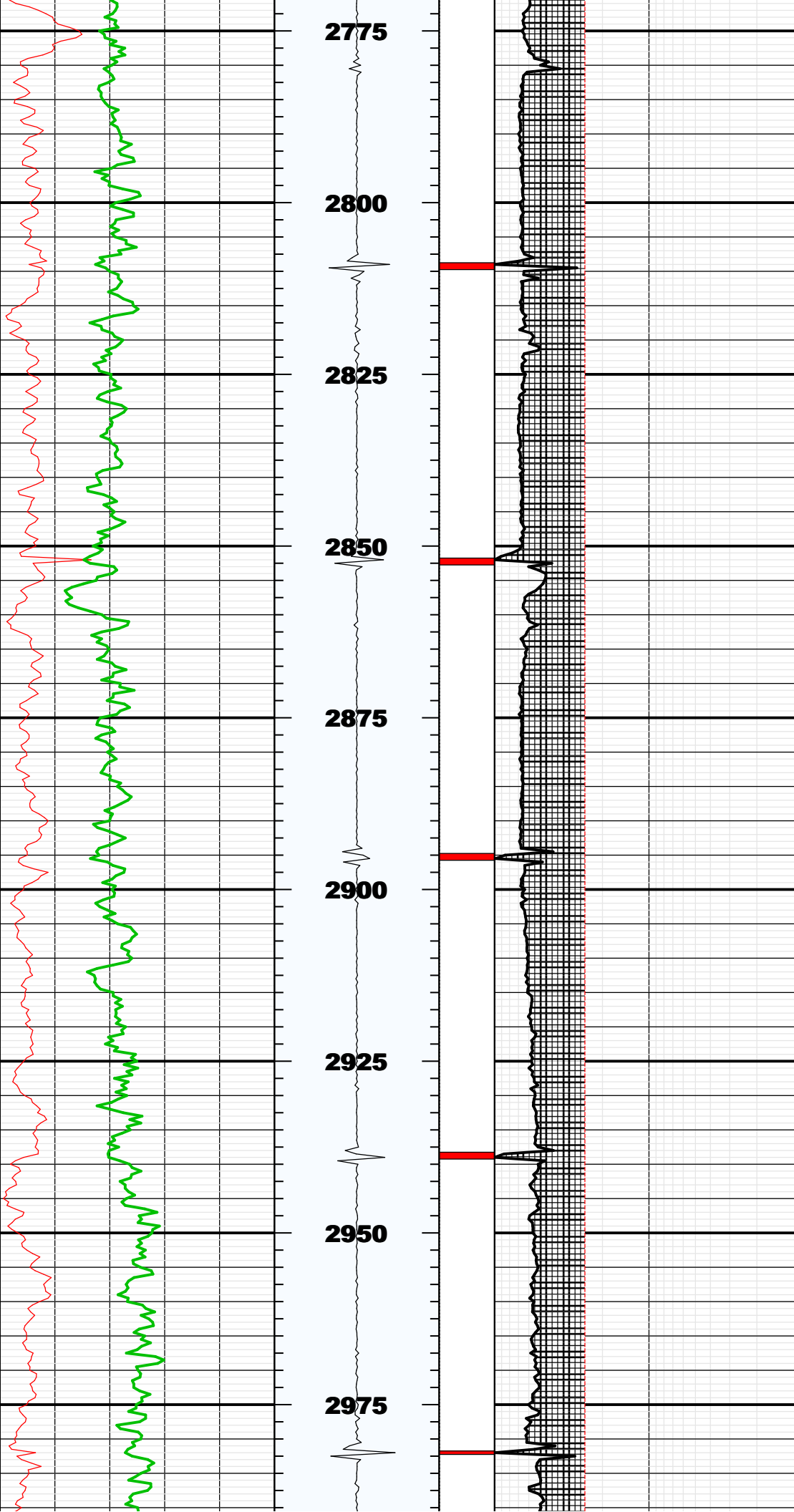


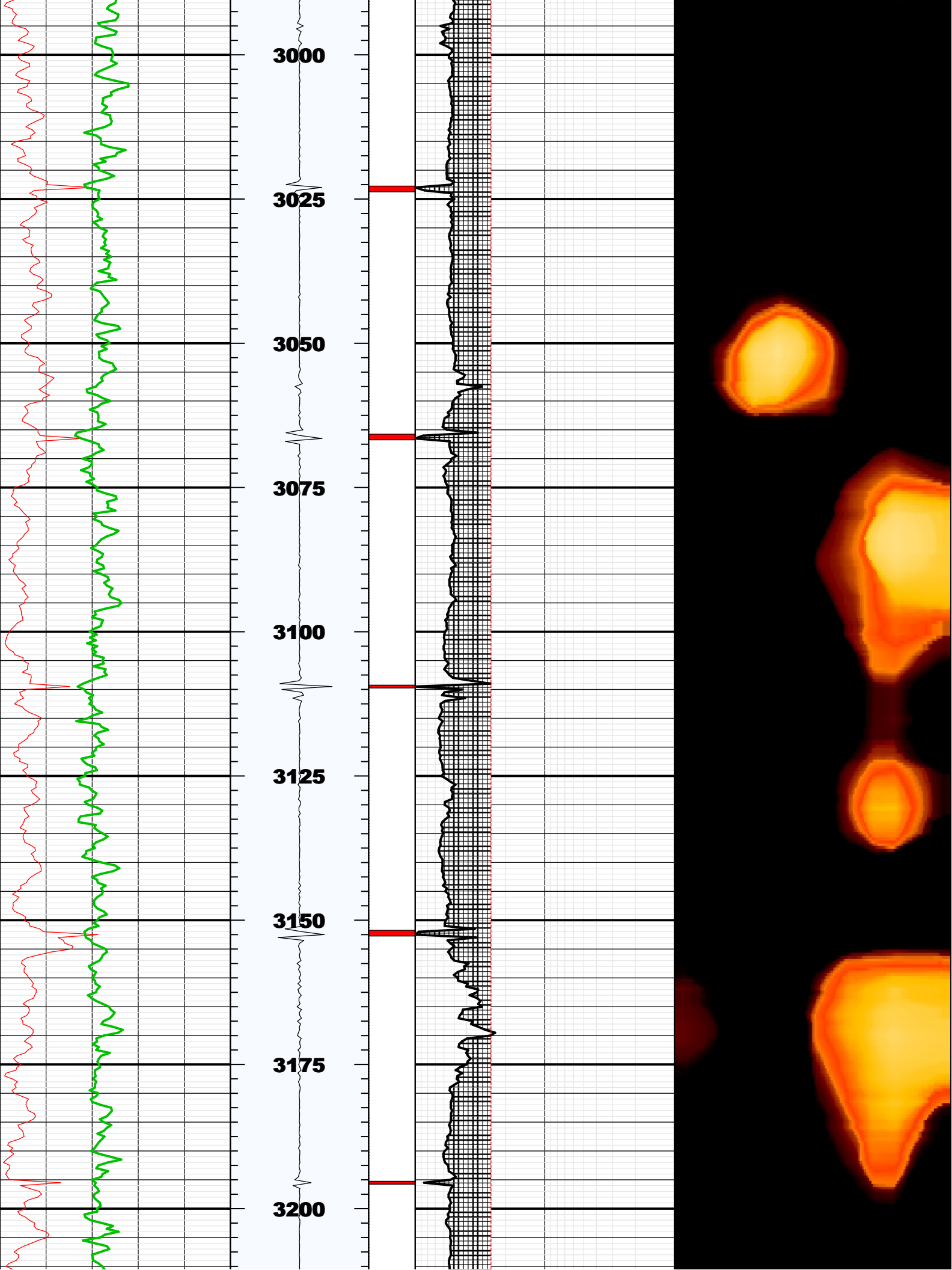


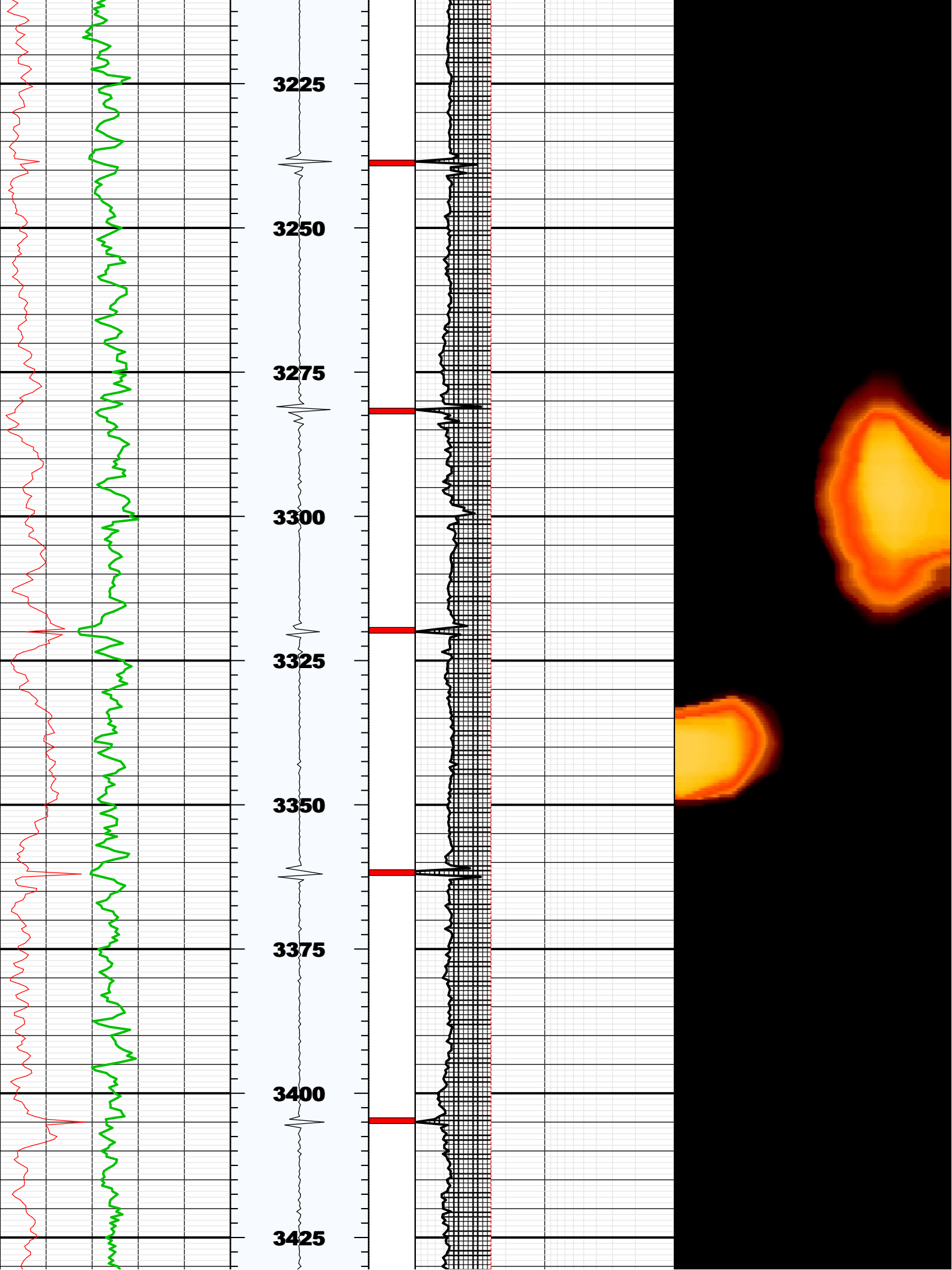


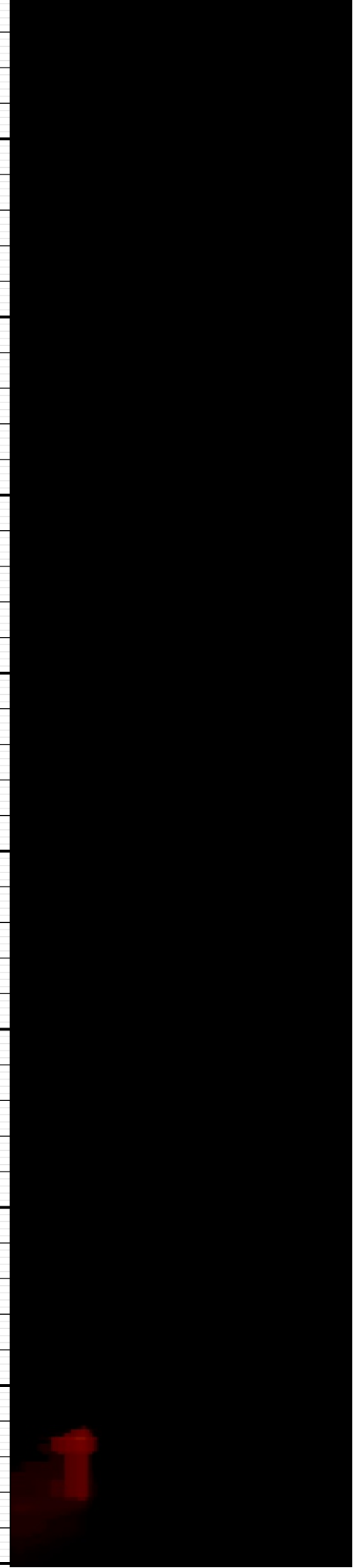
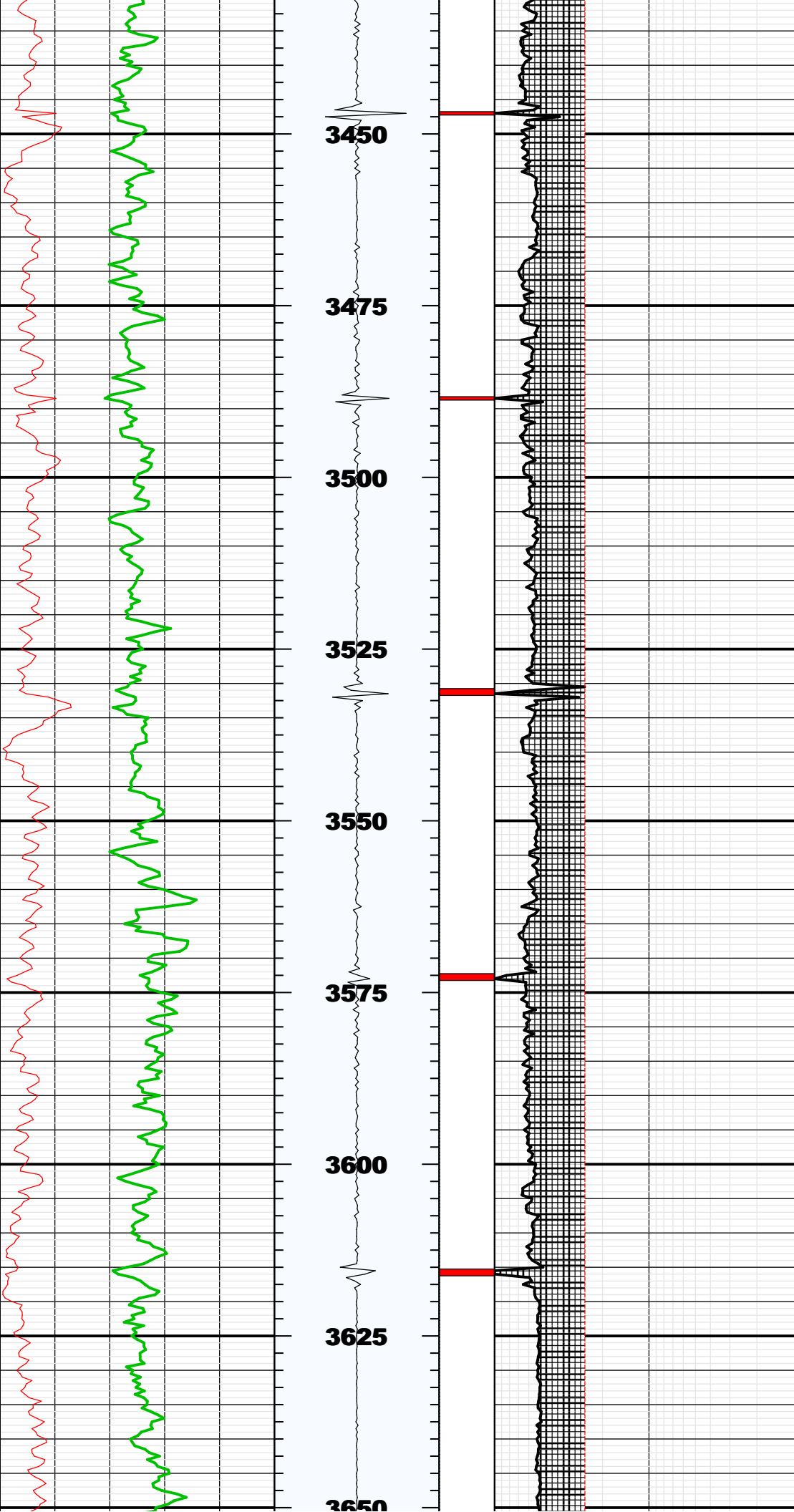


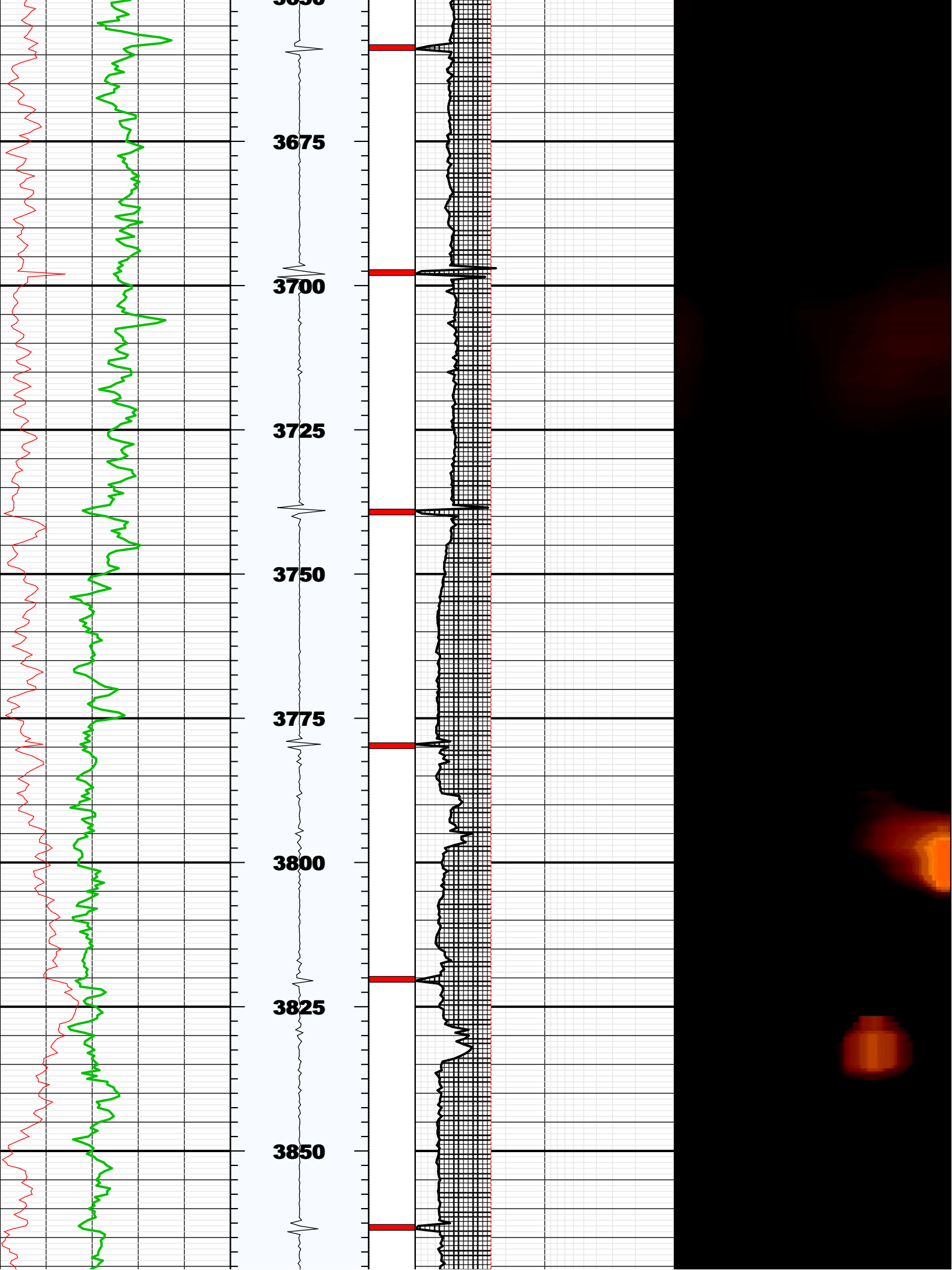


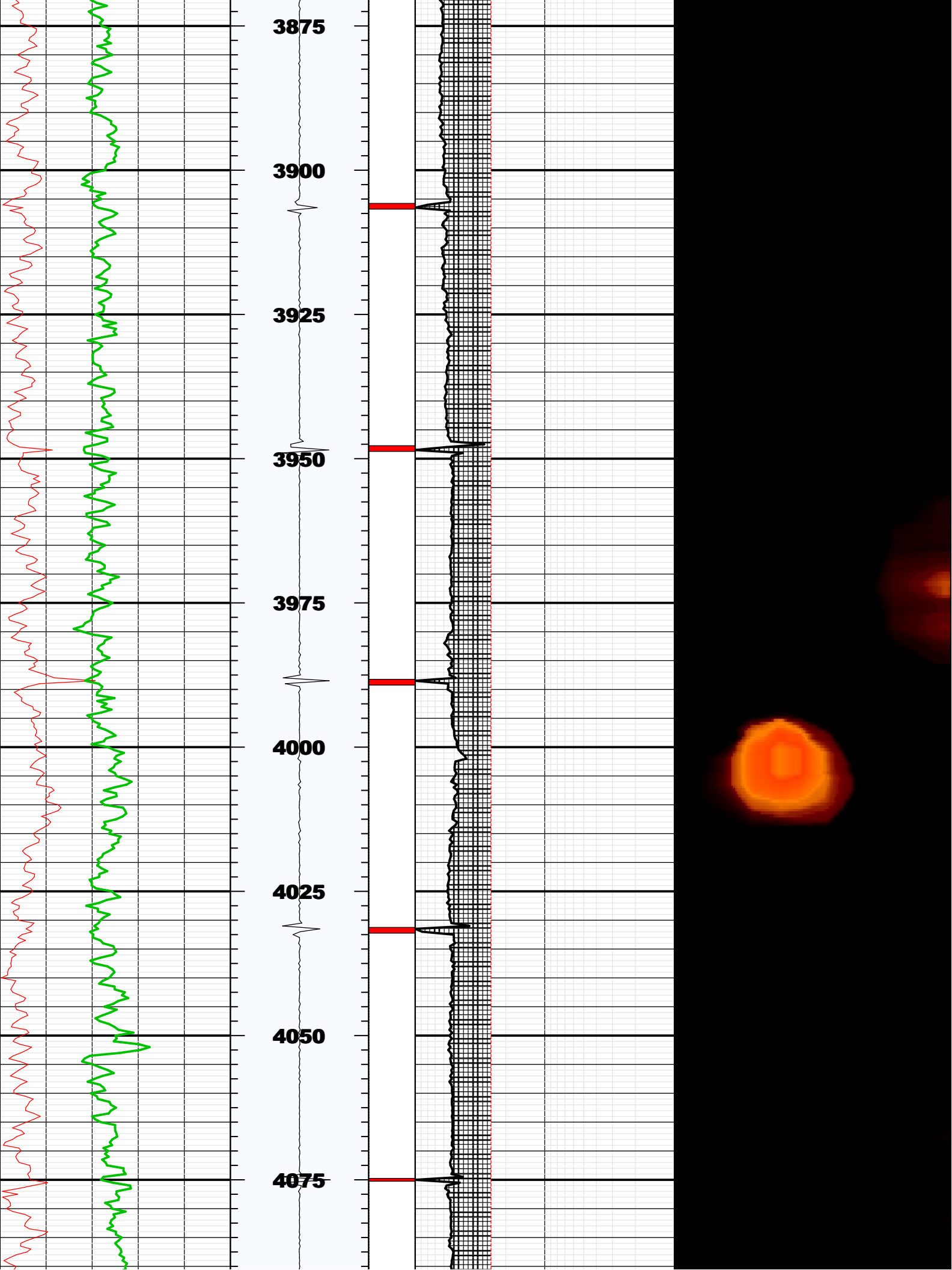


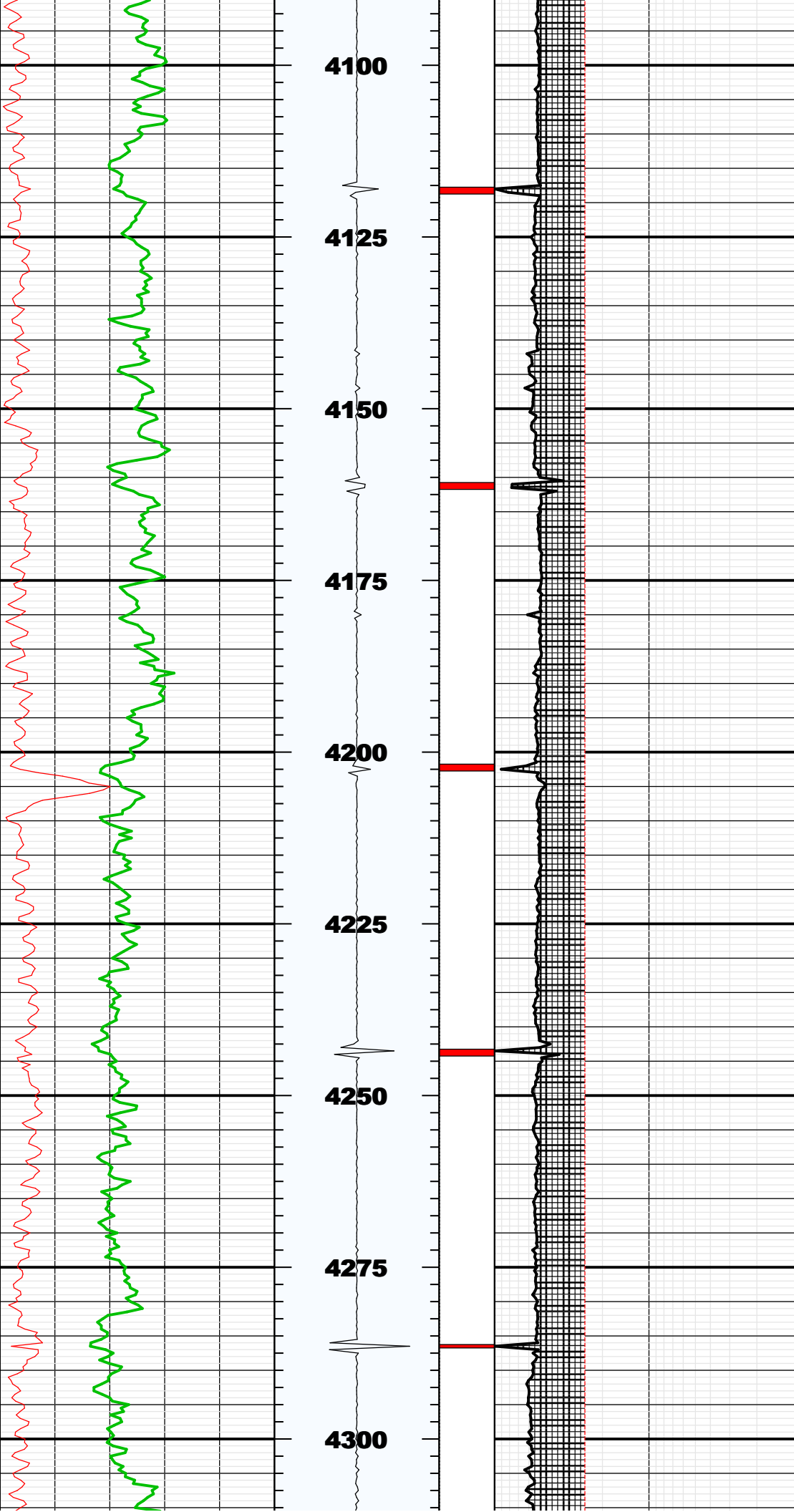


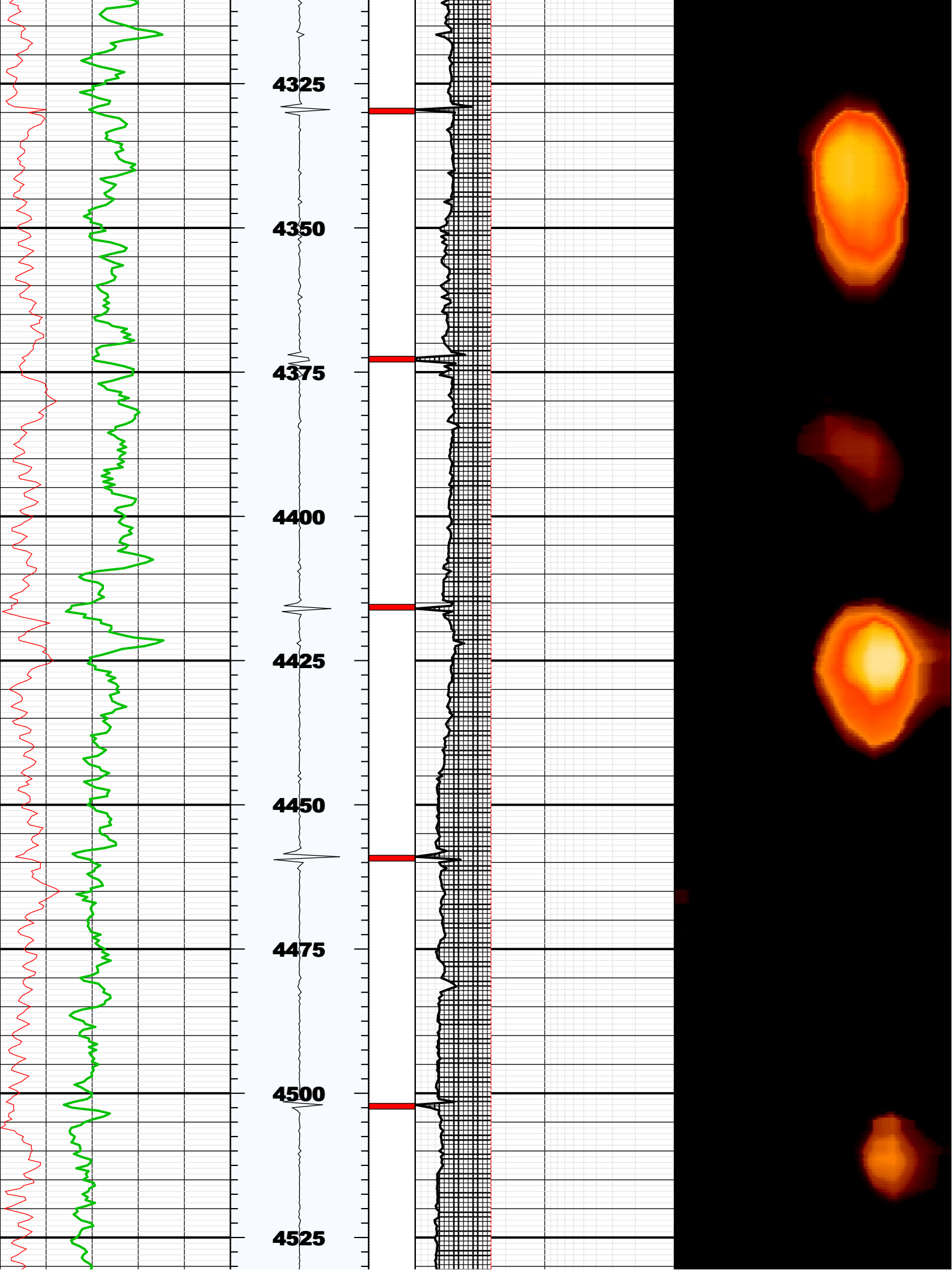


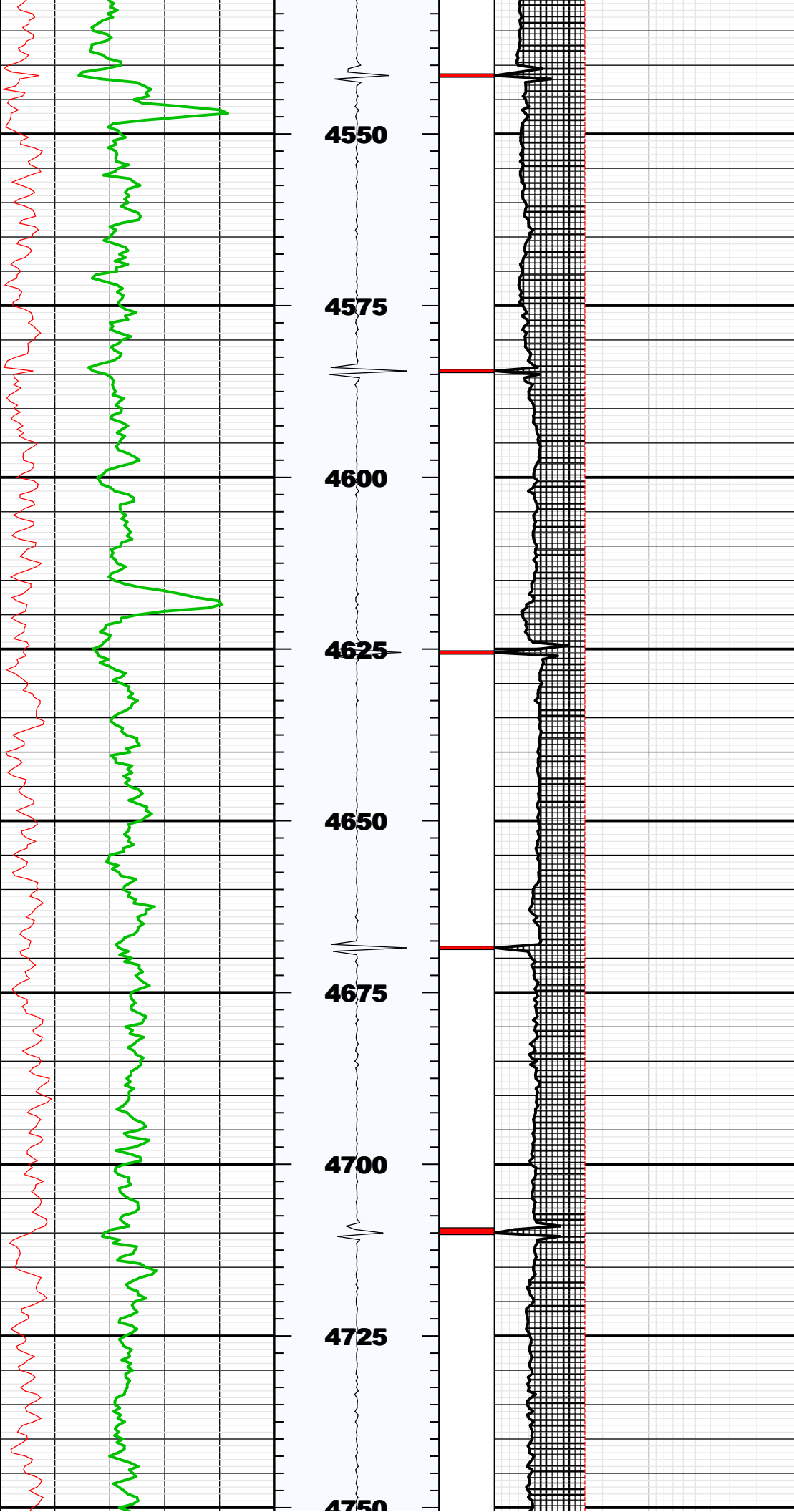


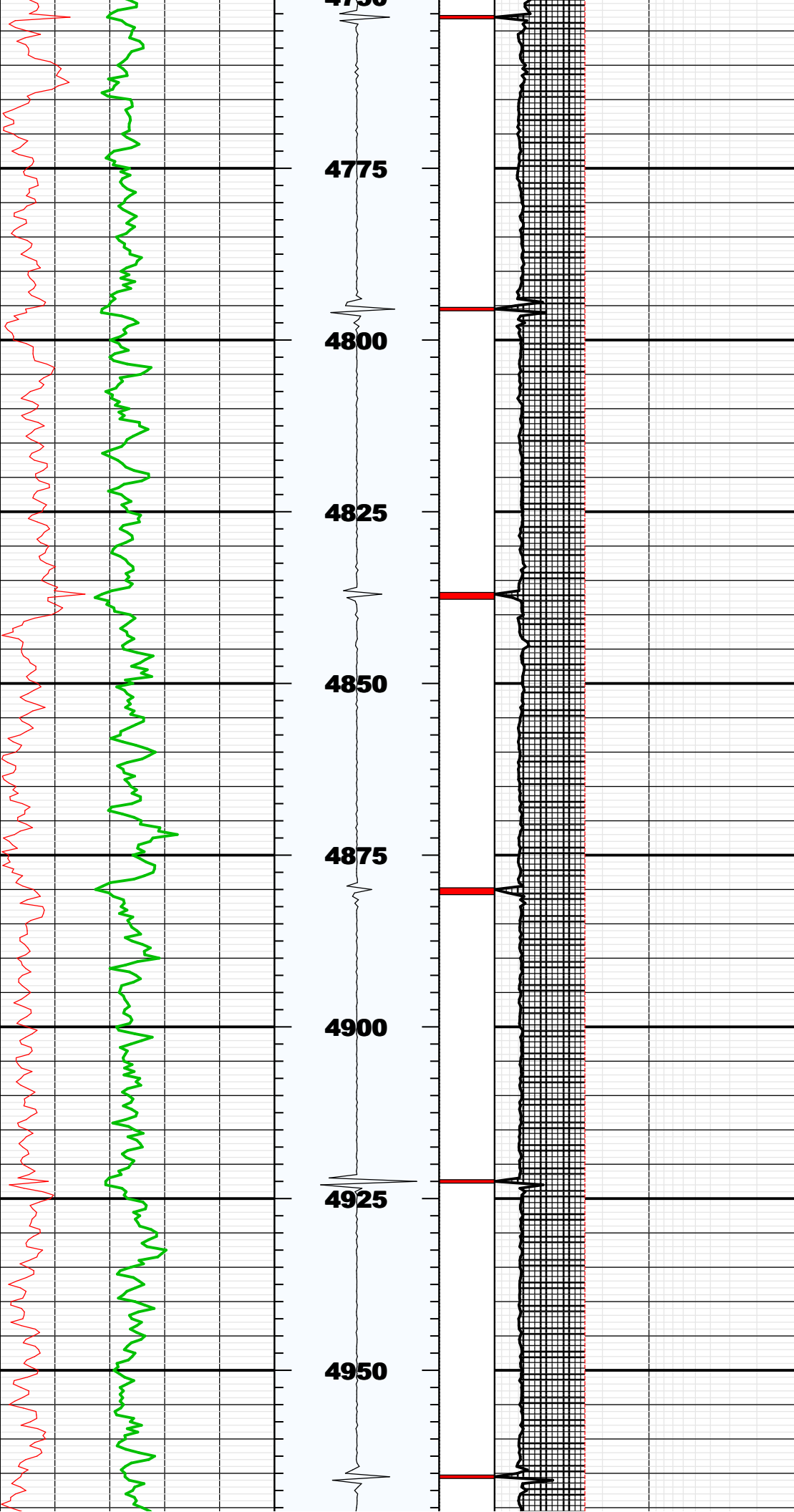


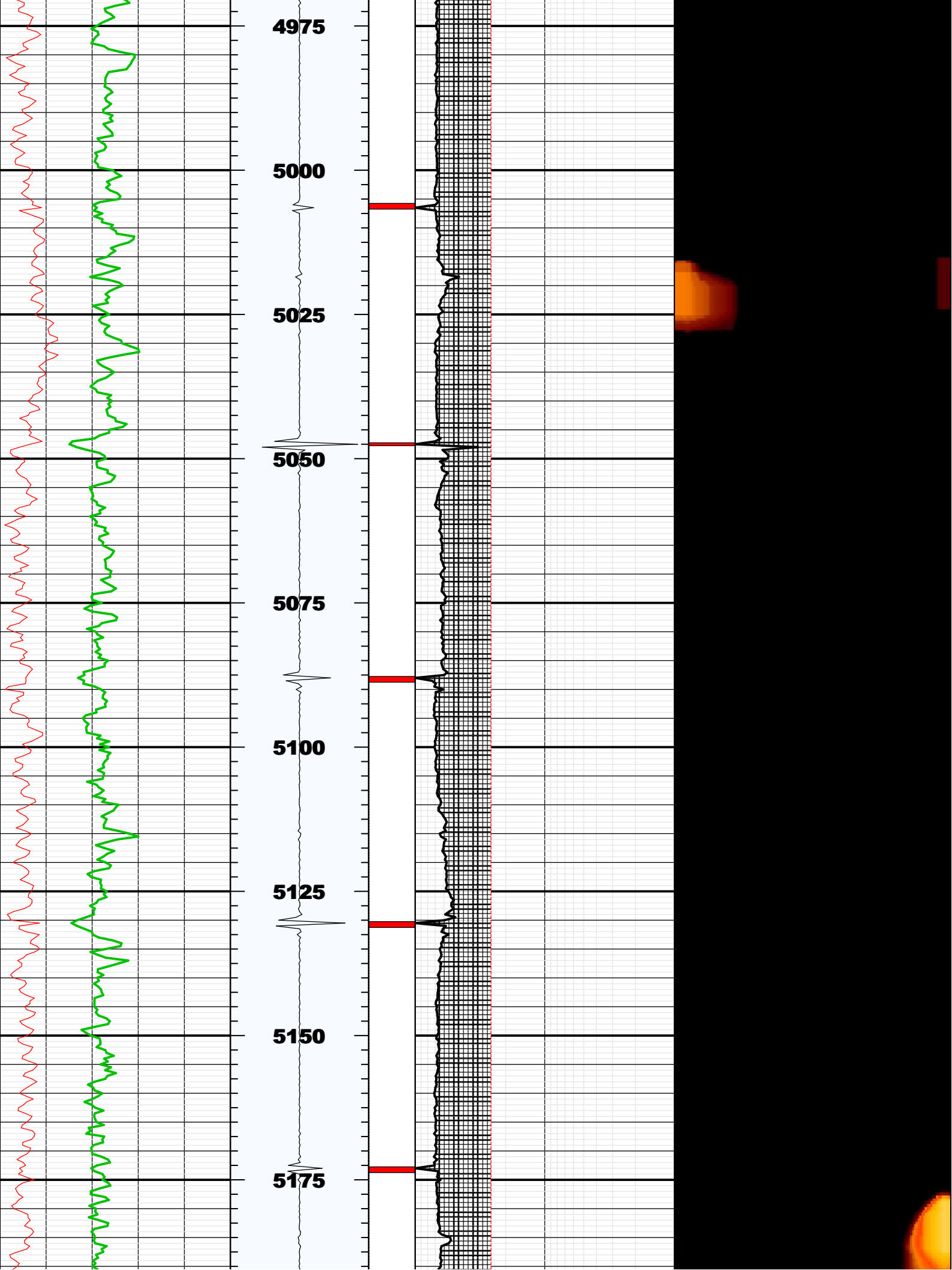


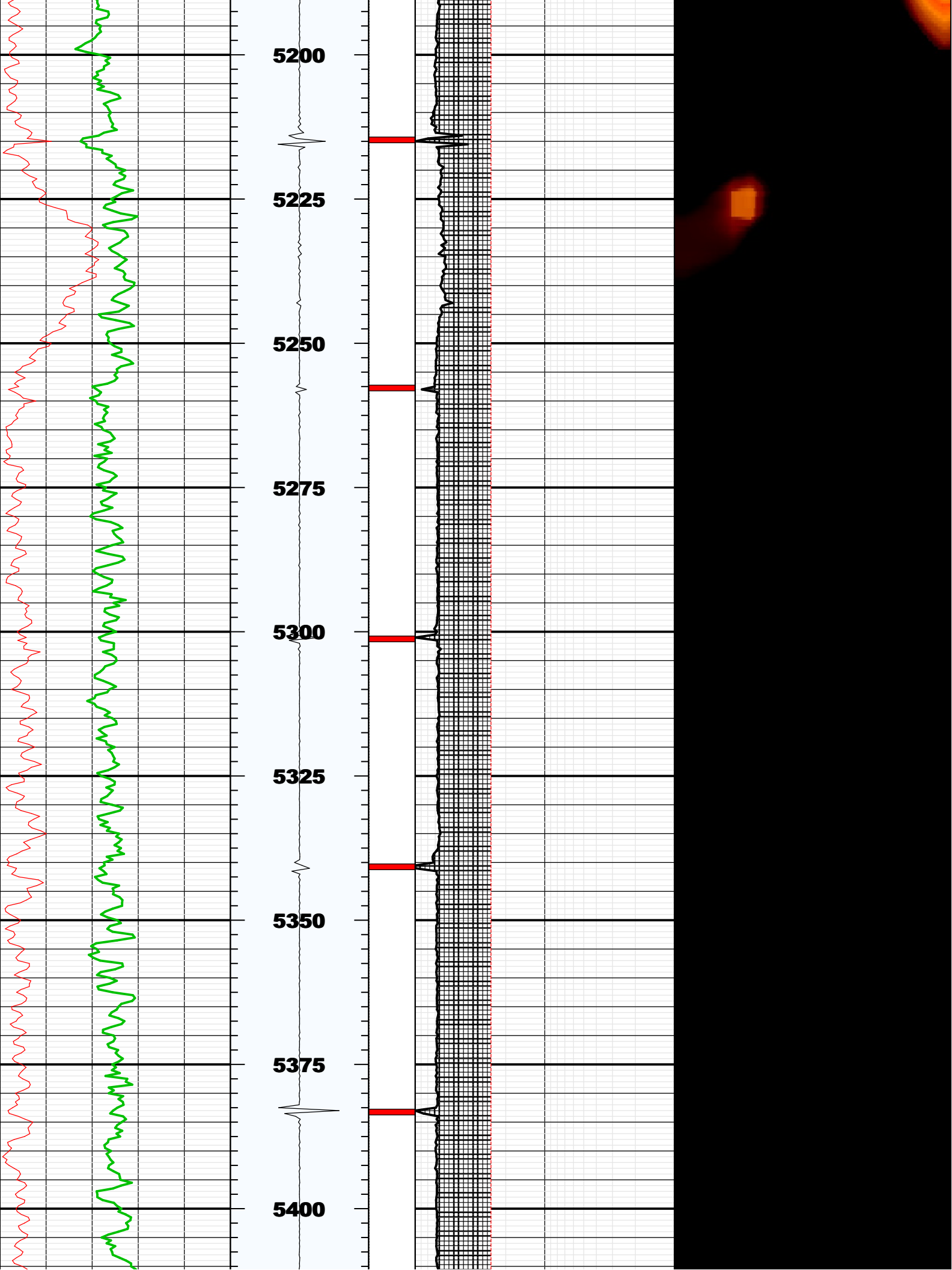


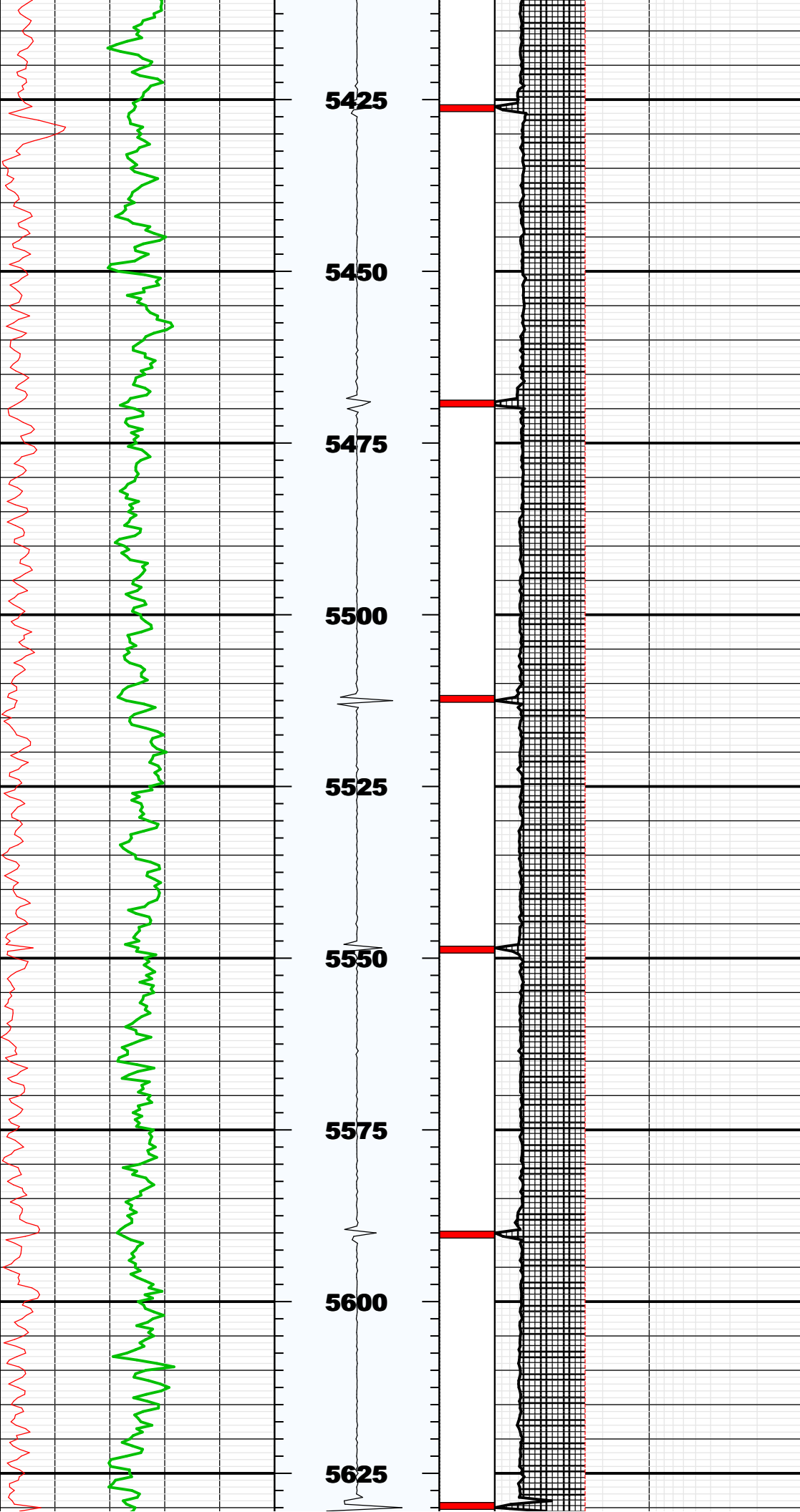


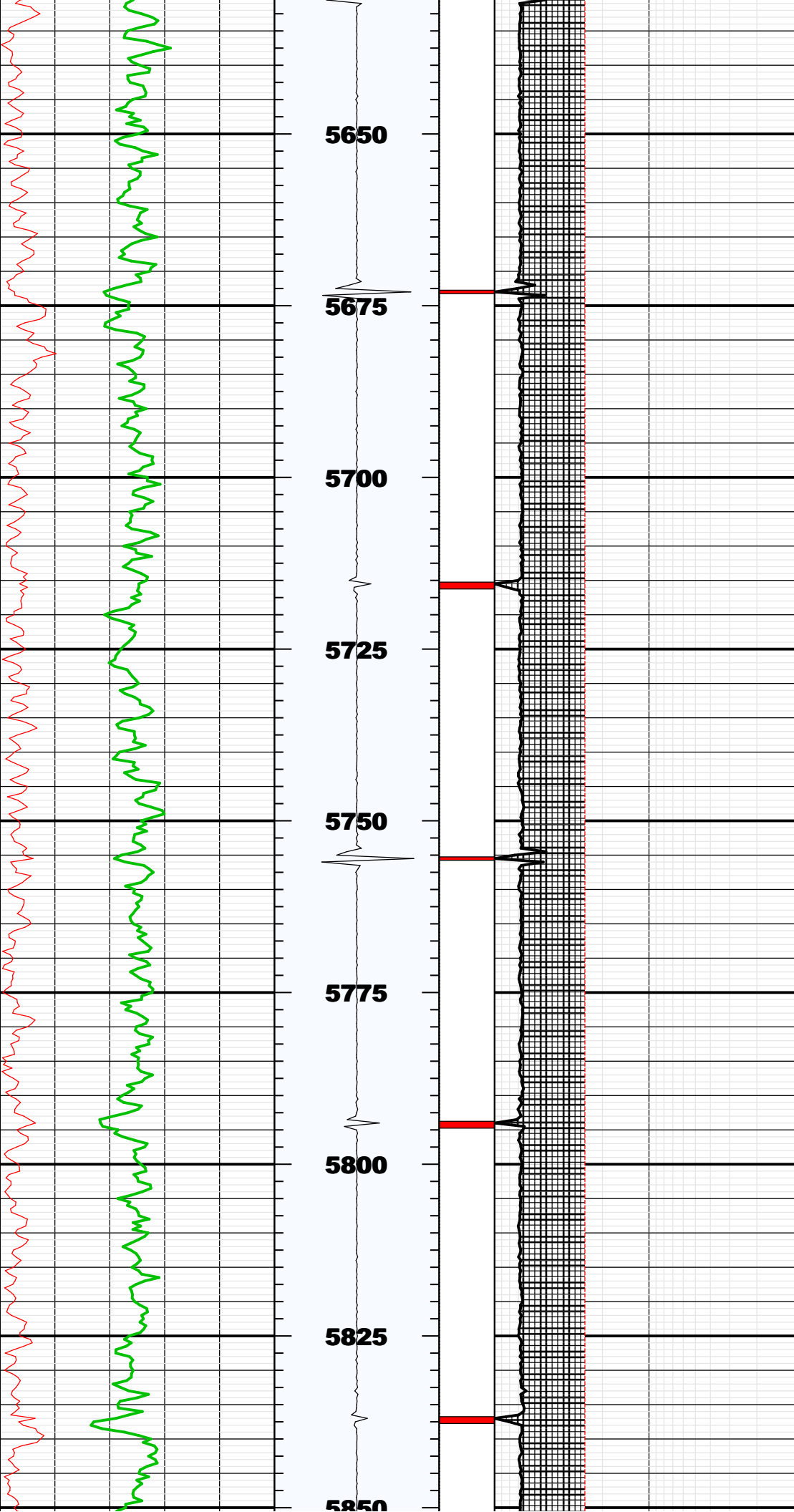


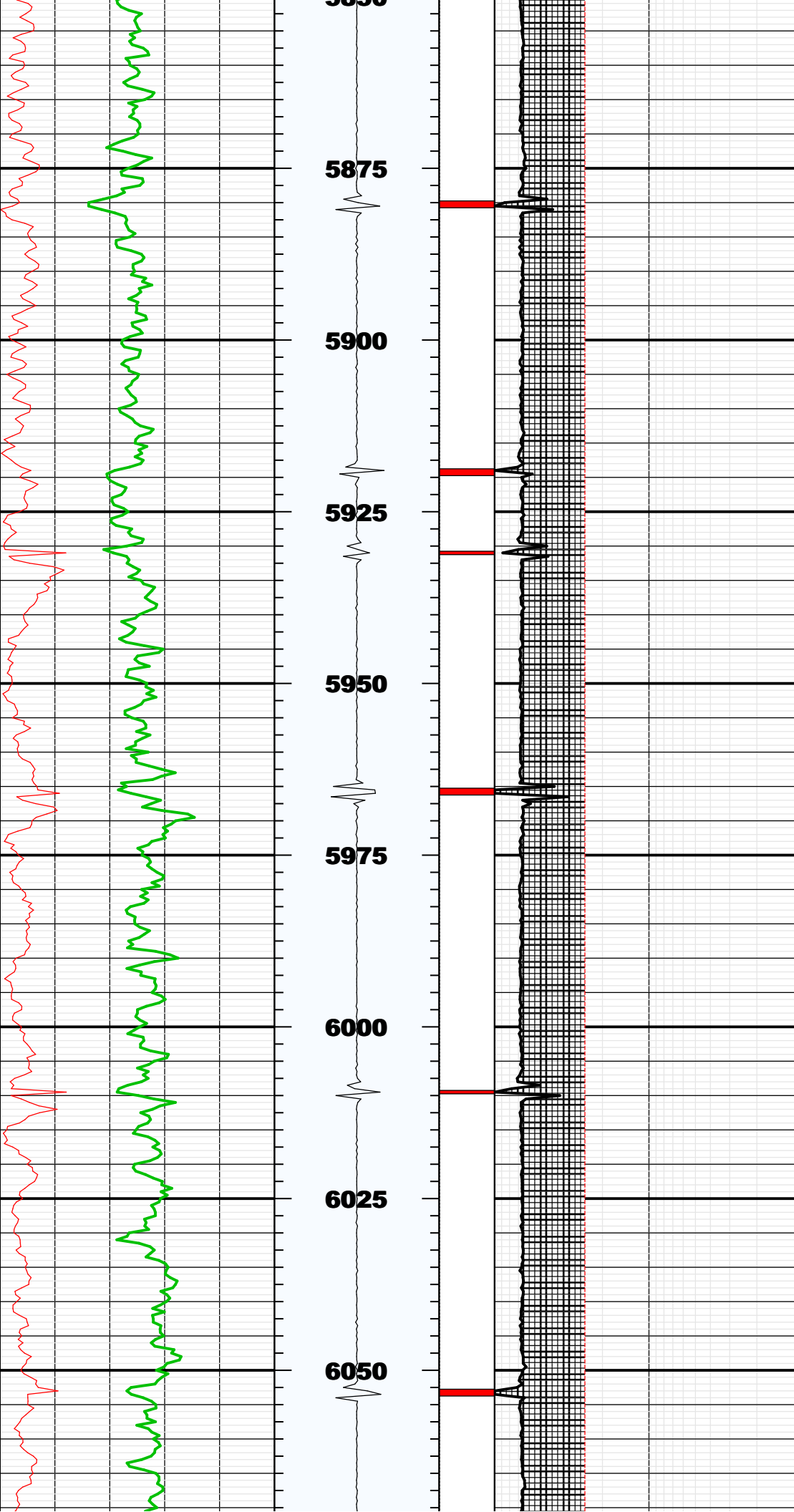


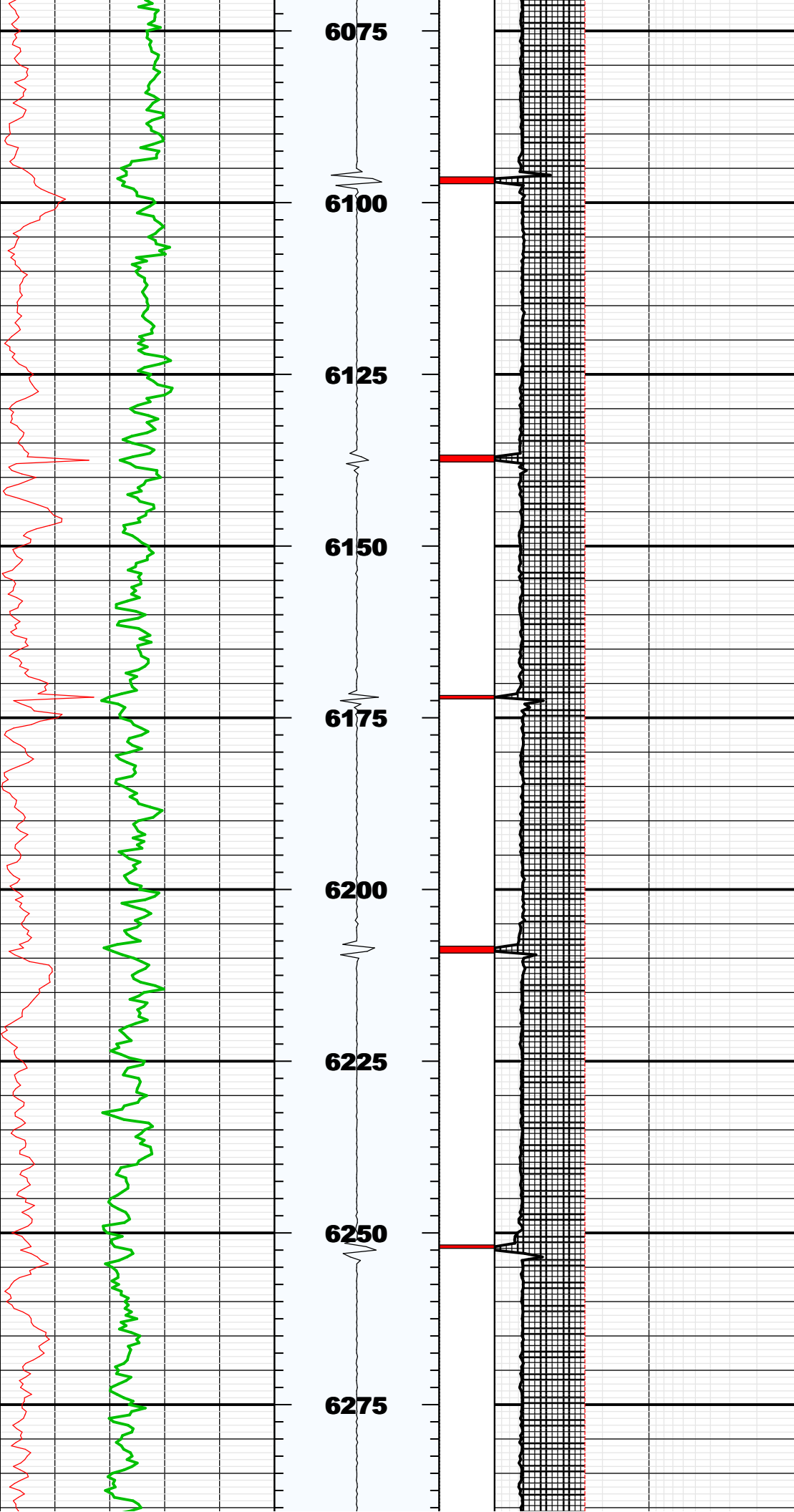


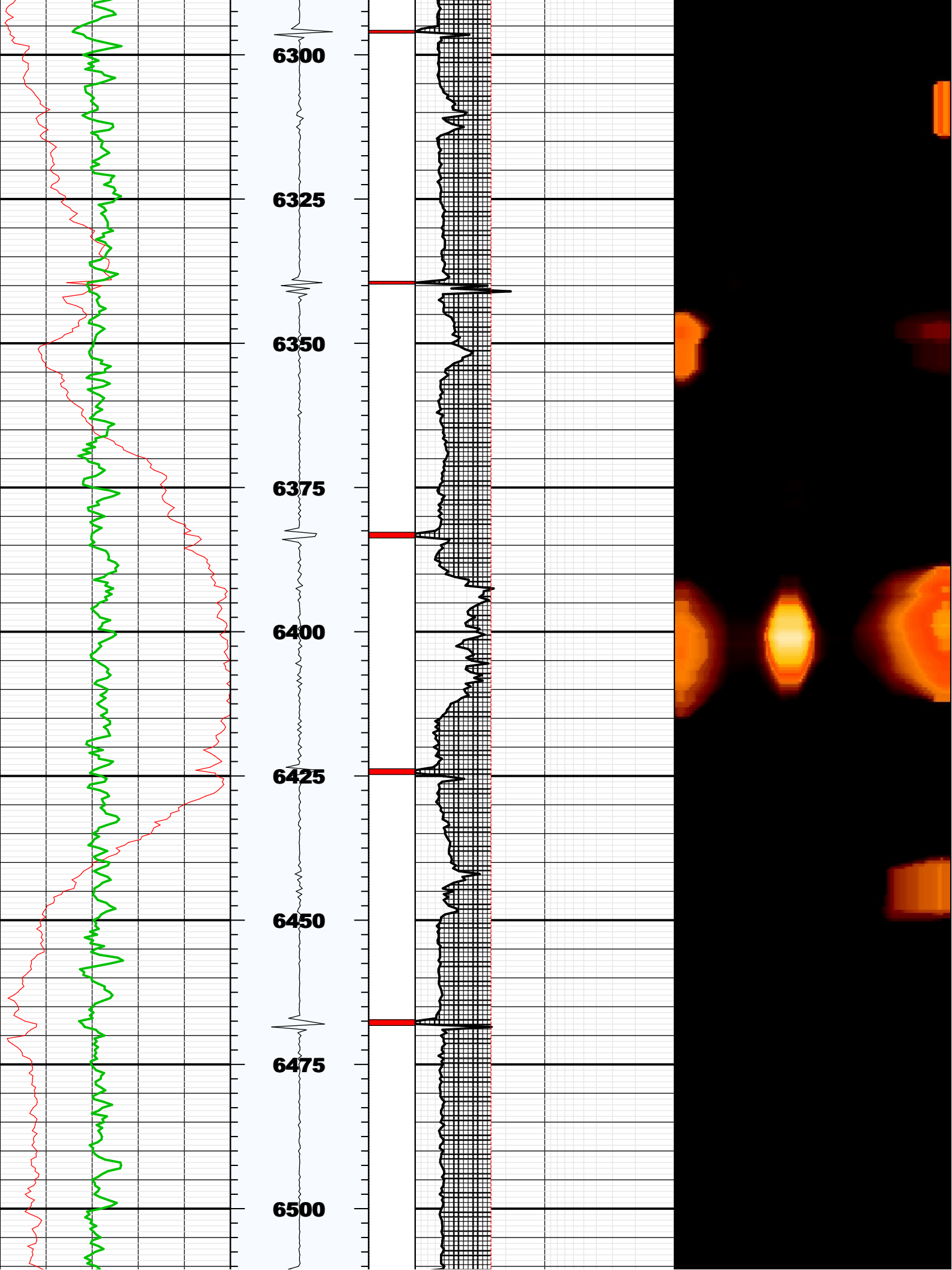


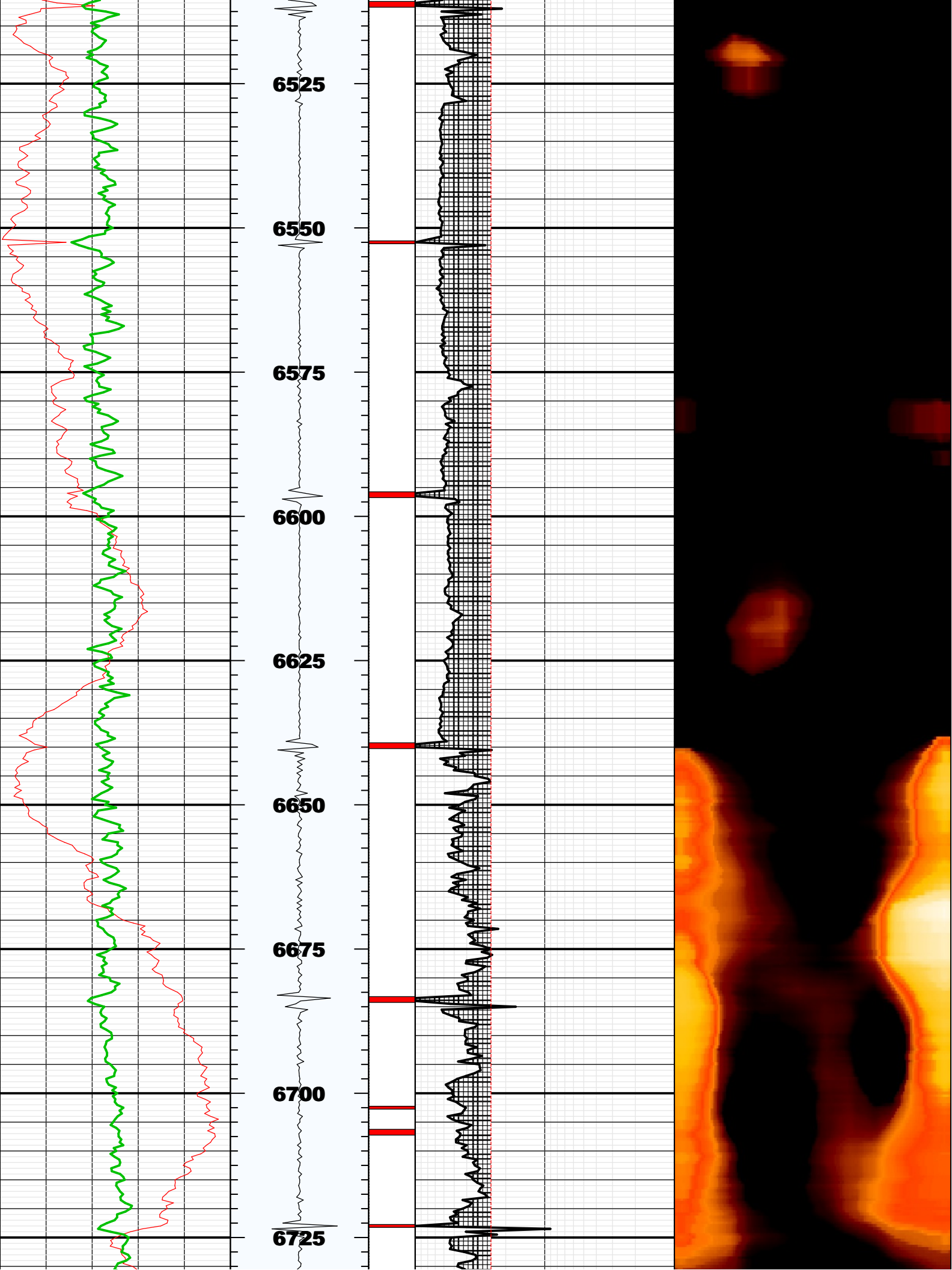


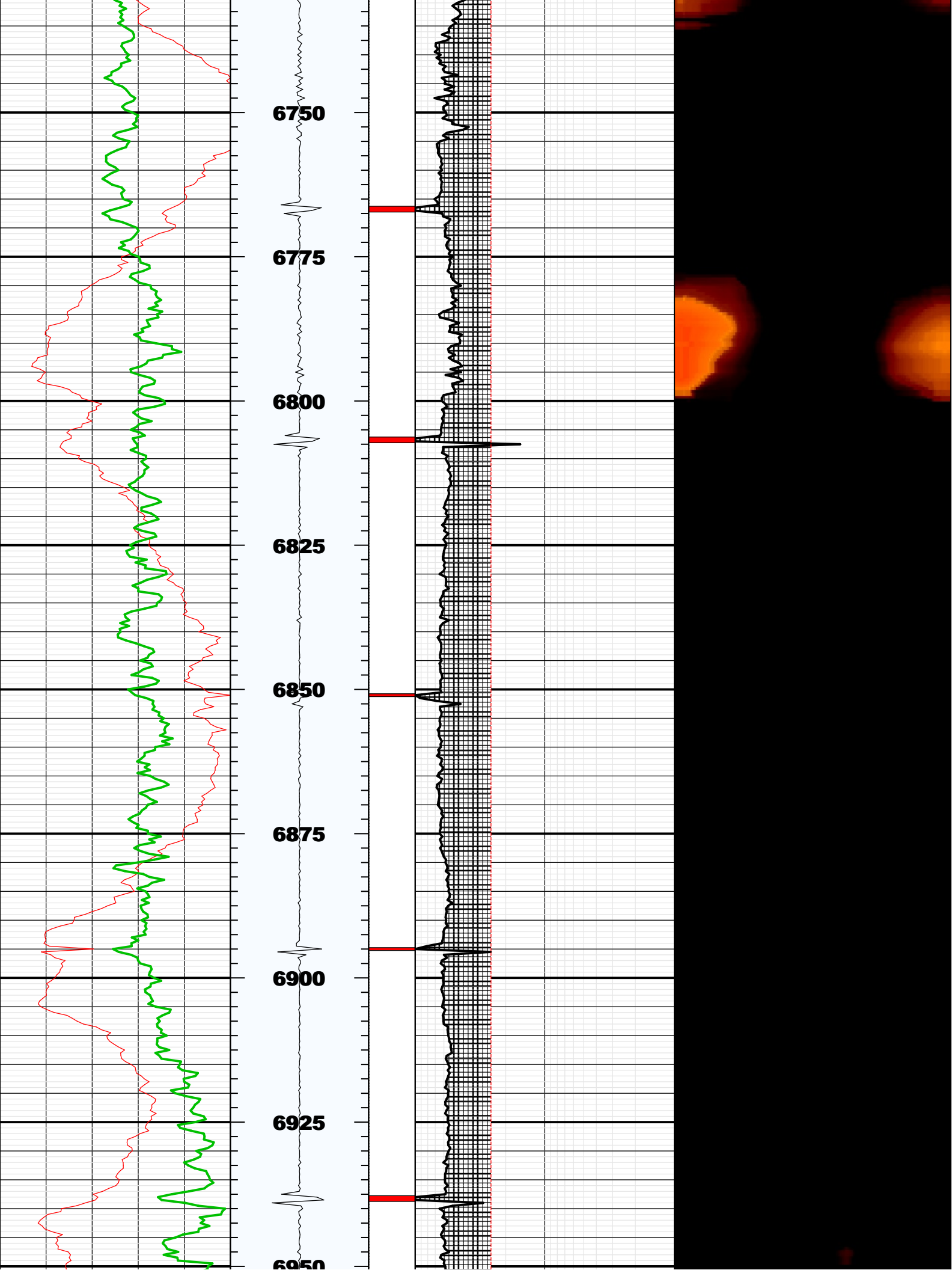


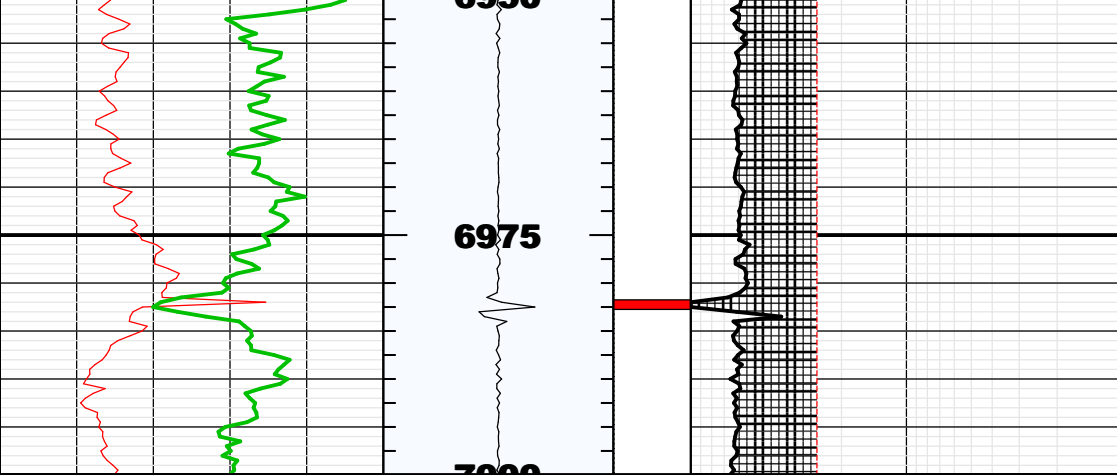








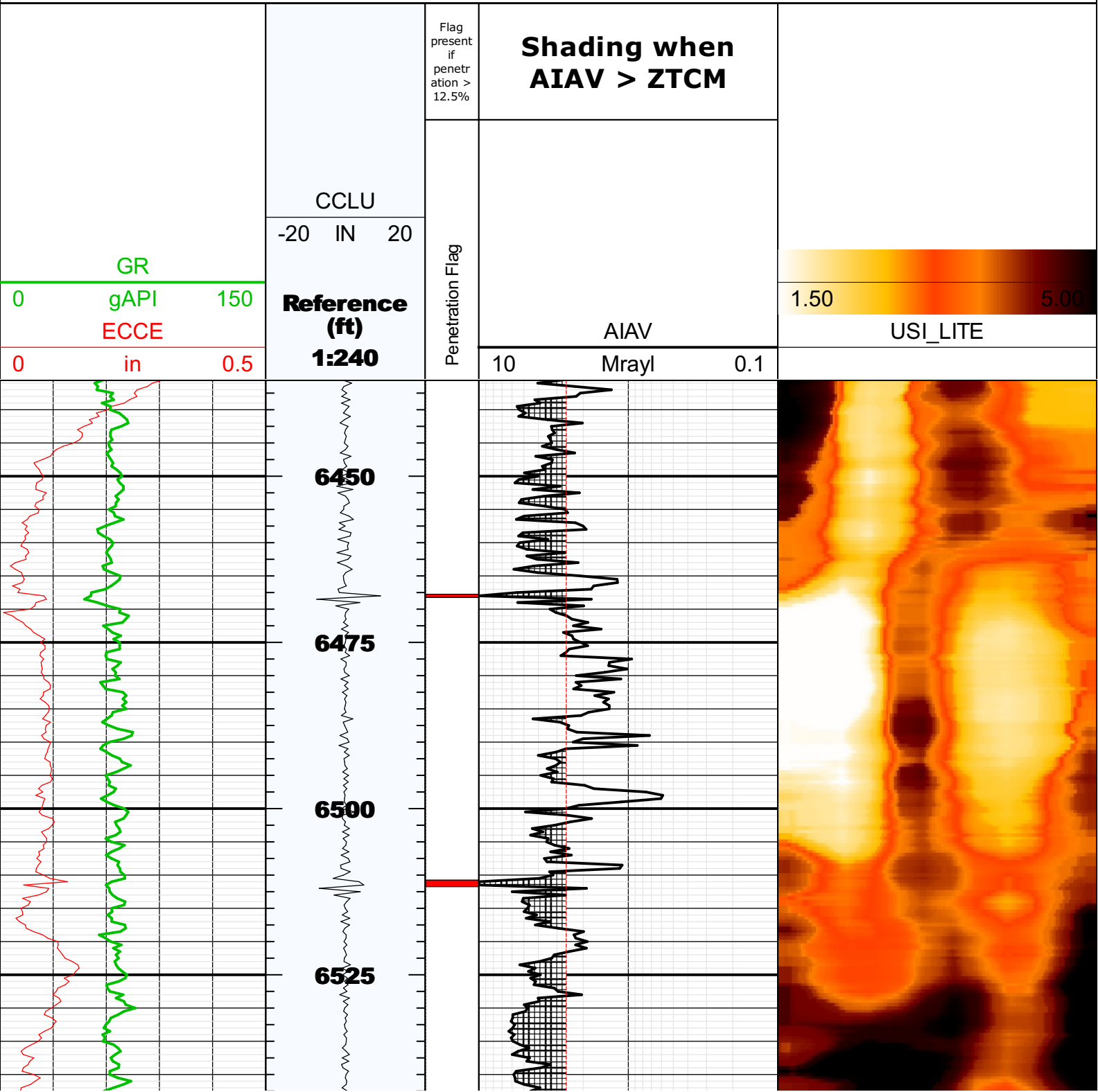


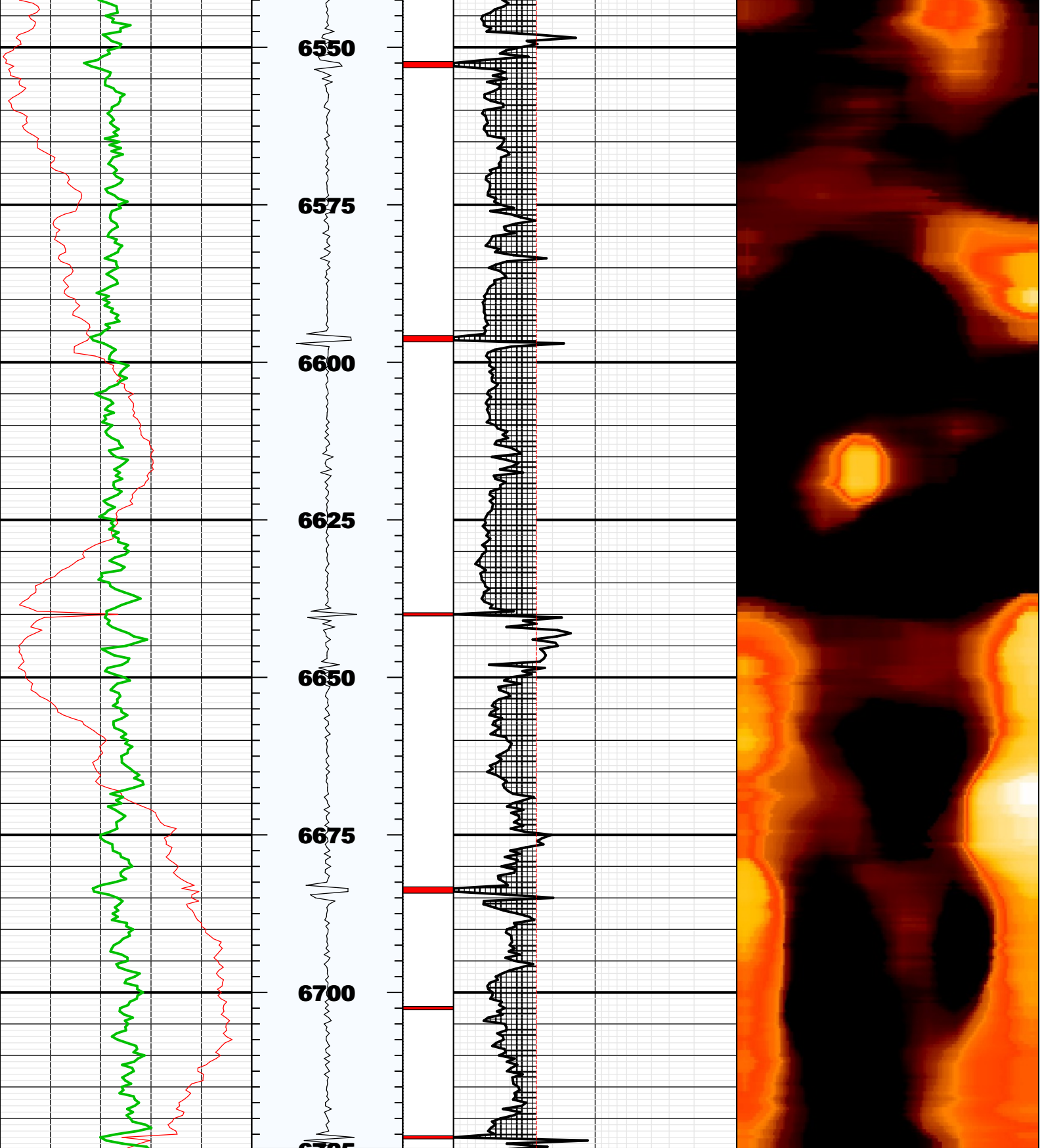


BS	8.75000	IN	Bit Size
CASG	P110		Casing Grade
CDIA	7.00000	IN	Casing Outer Diameter
CSID			
CSIZ	7.00000	IN	Current Casing Size
CWEI	26.00000	LB/F	Casing Weight
DFD	8.40000	LB/G	Drilling Fluid Density
DFVL	206.00000	US/F	Default Fluid Velocity
DO			
DOT	2.87400	IN	Diameter of Transducer Sensor
EMXV	86	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	25.83224	US	Window Begin Time
WINE	84.15570	US	Window End Time
ZCAS	46.25000	MRAY	Acoustic Impedance of Casing
ZINI	-1.00000	MRAY	Initial Estimate of Cement Impedance
ZMUD	1.70000	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: Coalview G02-64-1HN
Field: Wattenberg





Fluid Properties Used for Main Pass

