

Company: Noble Energy Inc

Well: Lynn LC35-760
Field: Wildcat
County: Weld

State: Colorado

County: Weld					
Field: Wildcat					
Location: NENW Sec.35 T9N R59W					
Well: Lynn LC35-760					
Company: Noble Energy Inc					
USI-LITE	LOCATION		Permanent Datum: Log Measured From: Drilling Measured From:	GL KB KB	Elev: K.B. 4837.0 F G.L. 4813.0 F D.F. 4836.0 F
	API Serial No. 05-123-40664				
	Section 35				
	Township 9N				
	Range 59W				
	Logging Date 05-Feb-2016				
	Run Number Run 1				
	Depth Driller 6405.0 F				
	Schlumberger Depth 6405.0 F				
	Bottom Log Interval 6008.0 F				
Top Log Interval 24.0 F					
Casing Fluid Level 0.0 F					
Salinity					
Density 8.40 LB/G					
Fluid Level 0.0 F					
BIT/CASING/TUBING STRING					
Bit Size 8.750 IN					
From 640.0 F					
To 6405.0 F					
Casing Size 7.00 IN					
Weight 26.00 LB/F					
Grade P110					
From 0.0 F					
To 6394.8 F					
Max Recorded Temp 220.6					
Logger on bottom (date) 05-Feb-2016					
Location Ft. Morgan CO					
Recorded By Alekssei Bekhterev					
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: Calibration Date: Calibrator Serial Number: Number Of Calibration Points: Calibration RMS: Calibration Peak Error:	Serial Number: Length: 24000.00000

DISCLAIMER

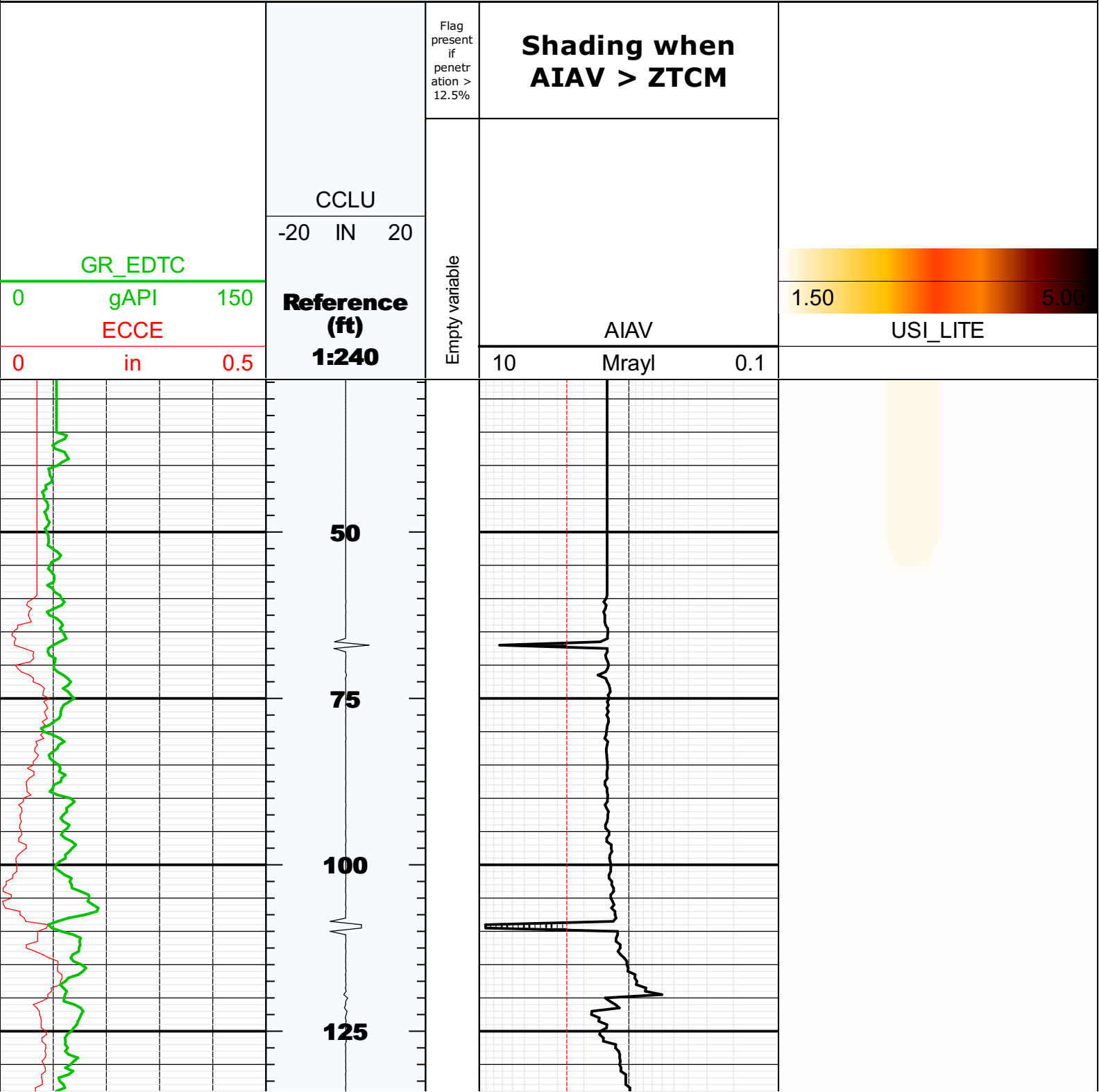
THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRCTIONS ON USE OF THE RECORDED-DATA (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

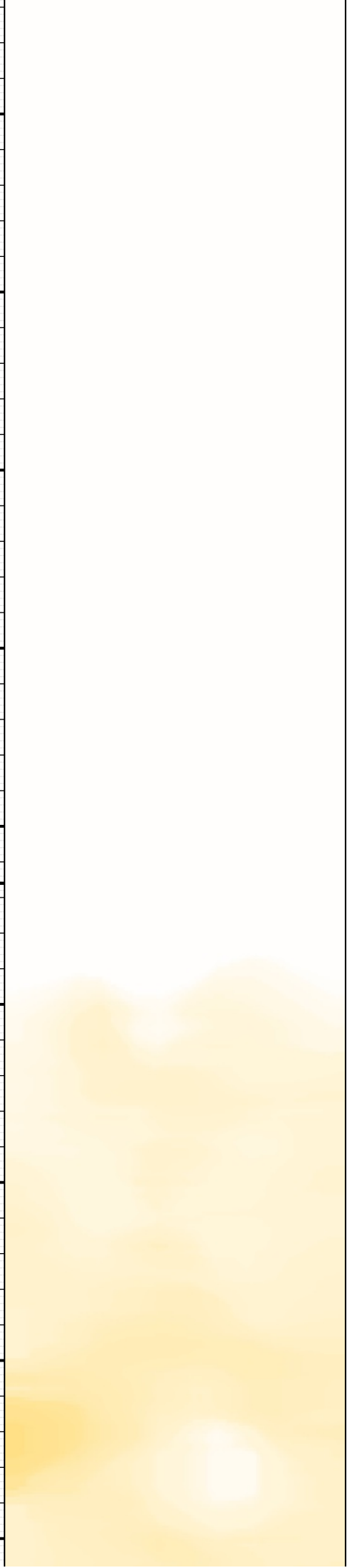
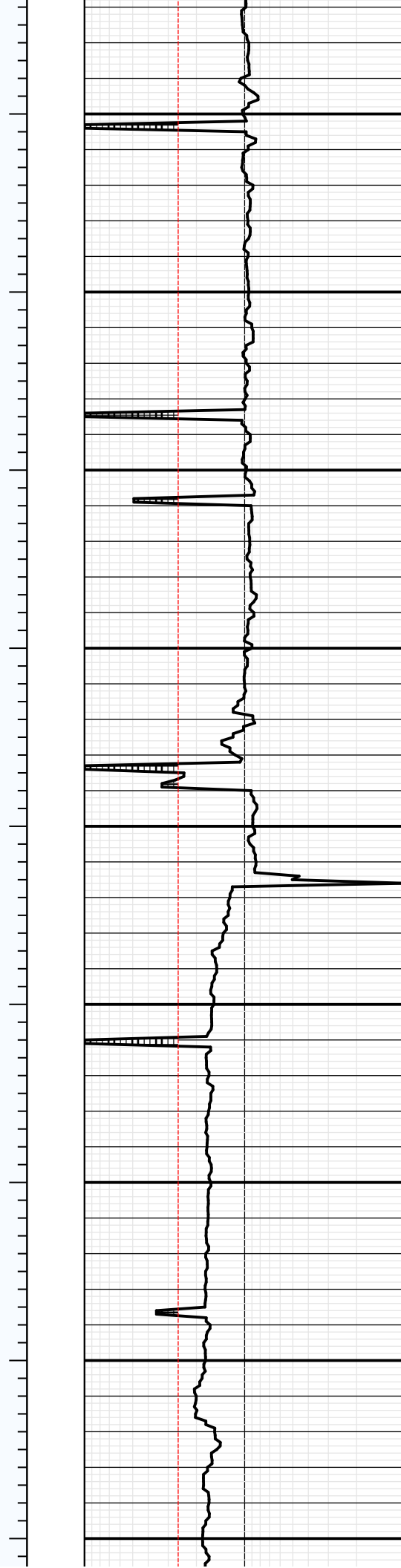
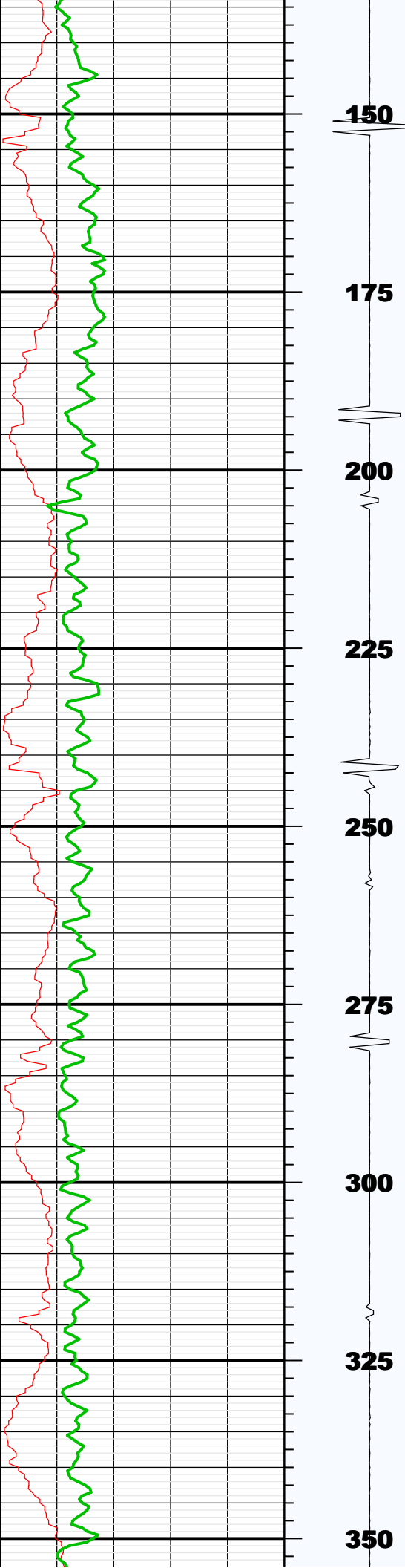
Toolstring ran as per tool sketch
15.8 ppg tail slurry 12 ppg lead cement
Repeat pass is done with 0 psi
Main pass is done with 2500 psi
Temperature on bottom 220.6 degF
Top of cement 1060 ft
Log started from no-go point 6008 ft
Casing wear observed @1177' 1137'

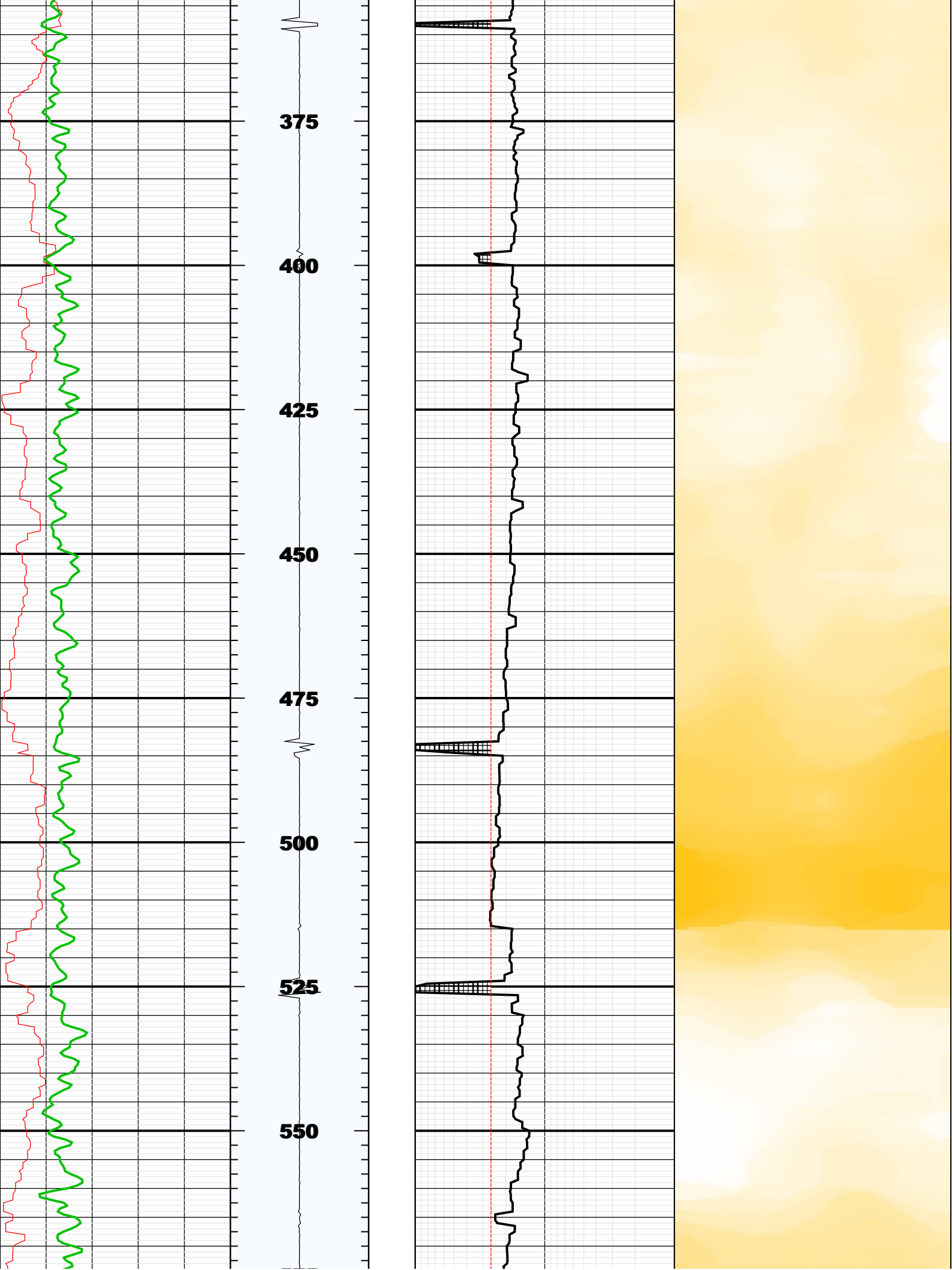
Crew Ian Derry Derrick Hunter
Thank you for choosing Schlumberger Wireline!

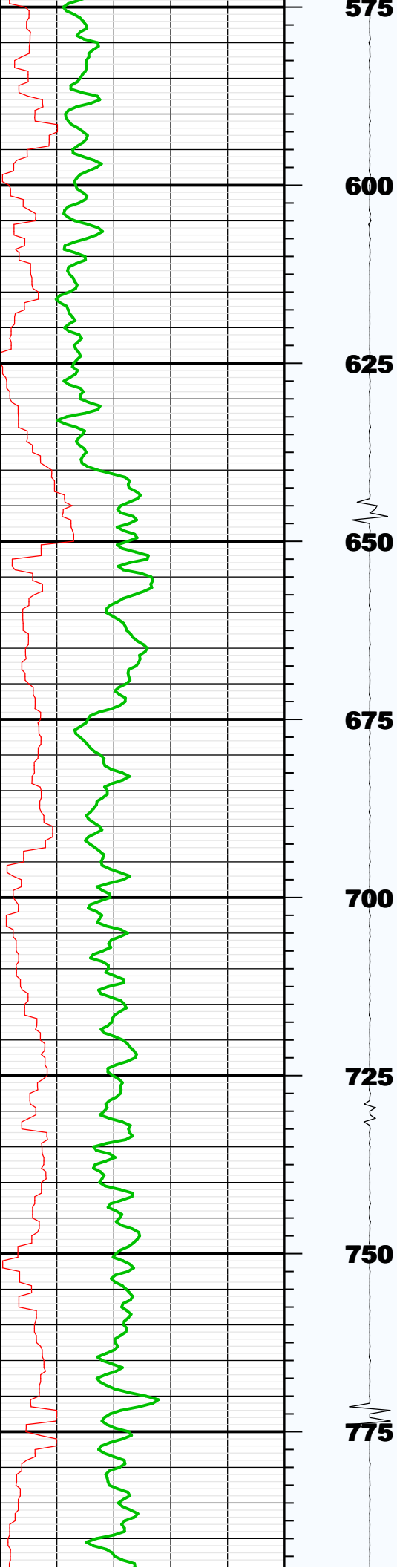
Main Pass

Company: Noble Energy Inc
Well: Lynn LC35-760
Field: Wildcat

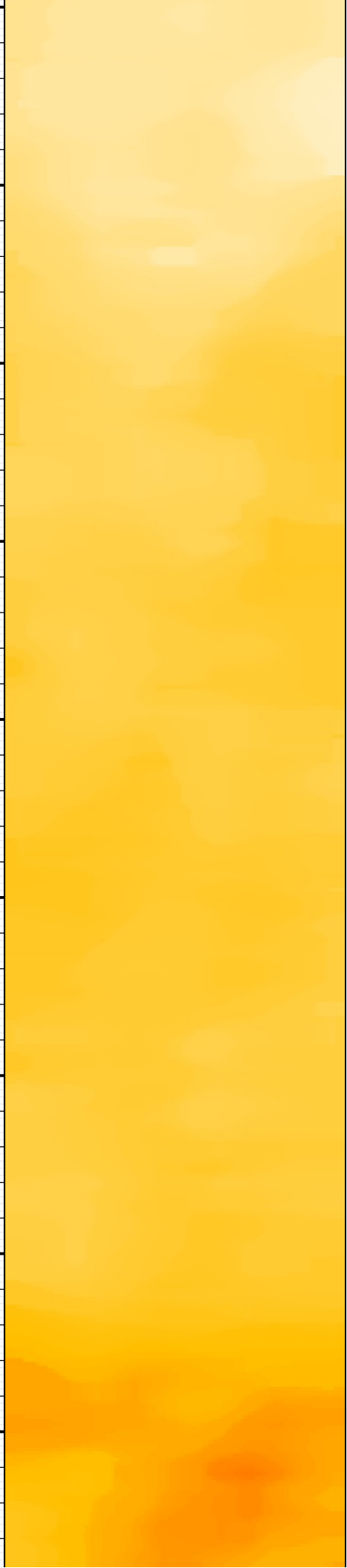
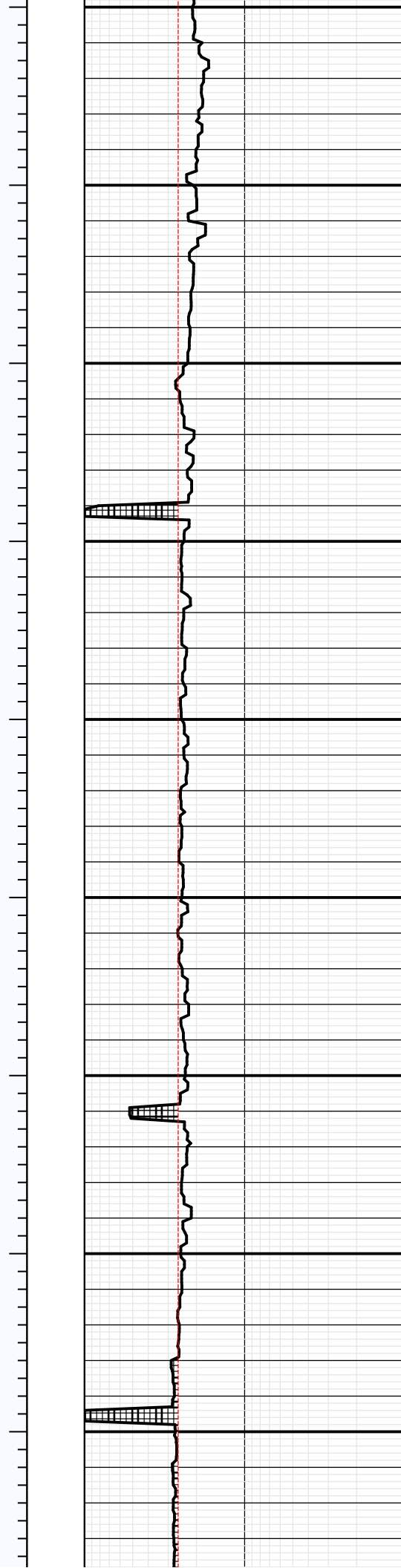


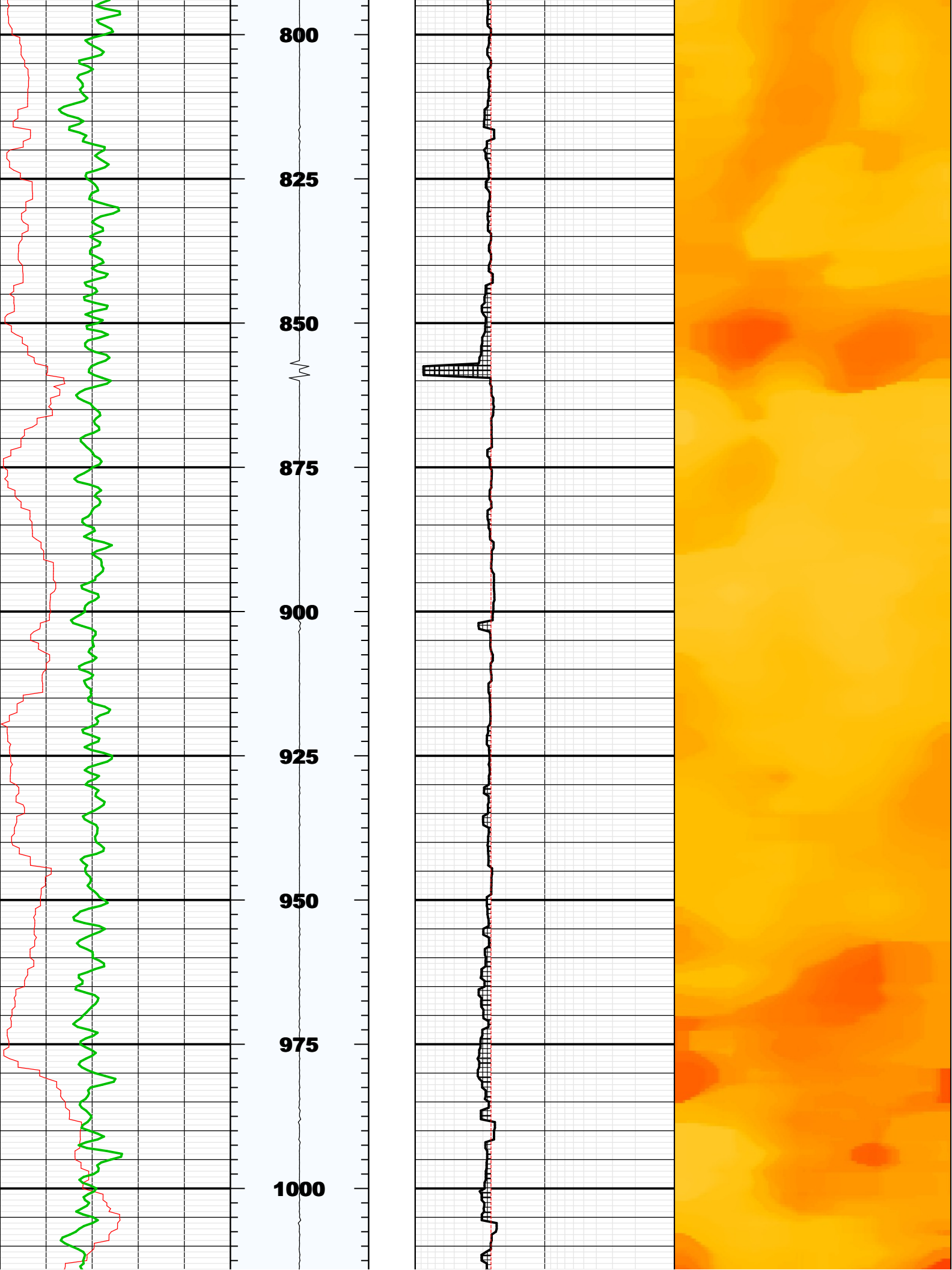


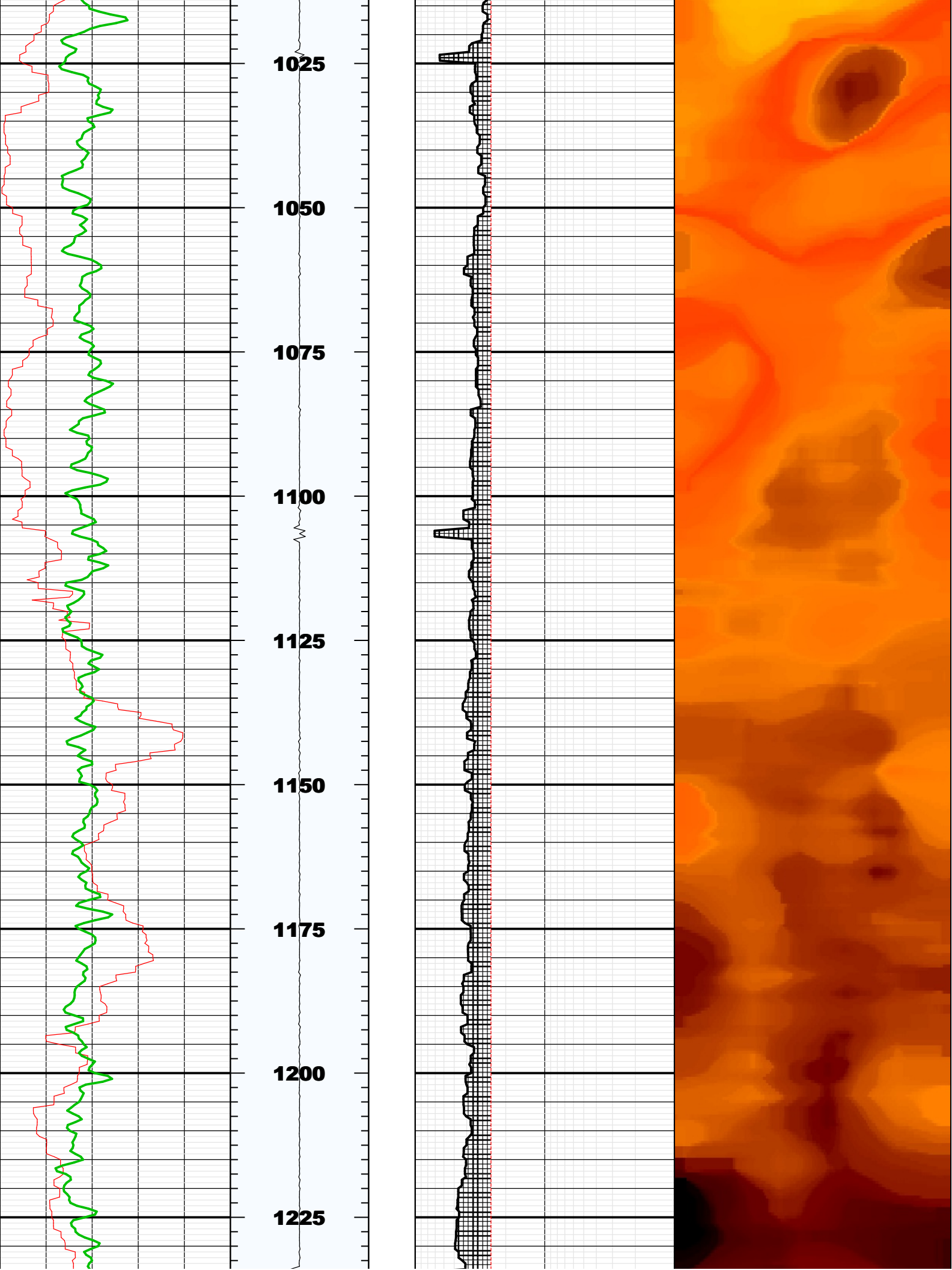


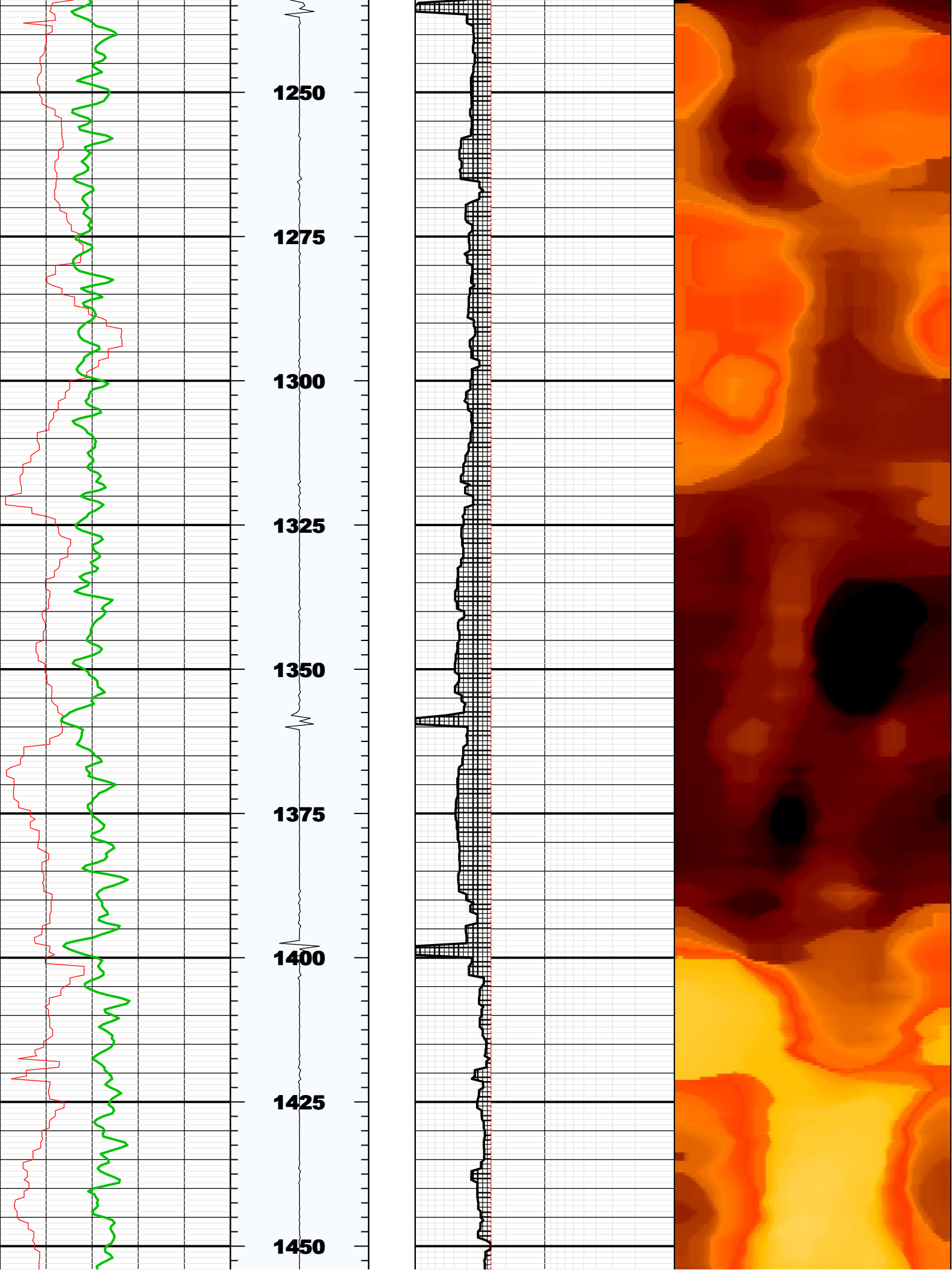


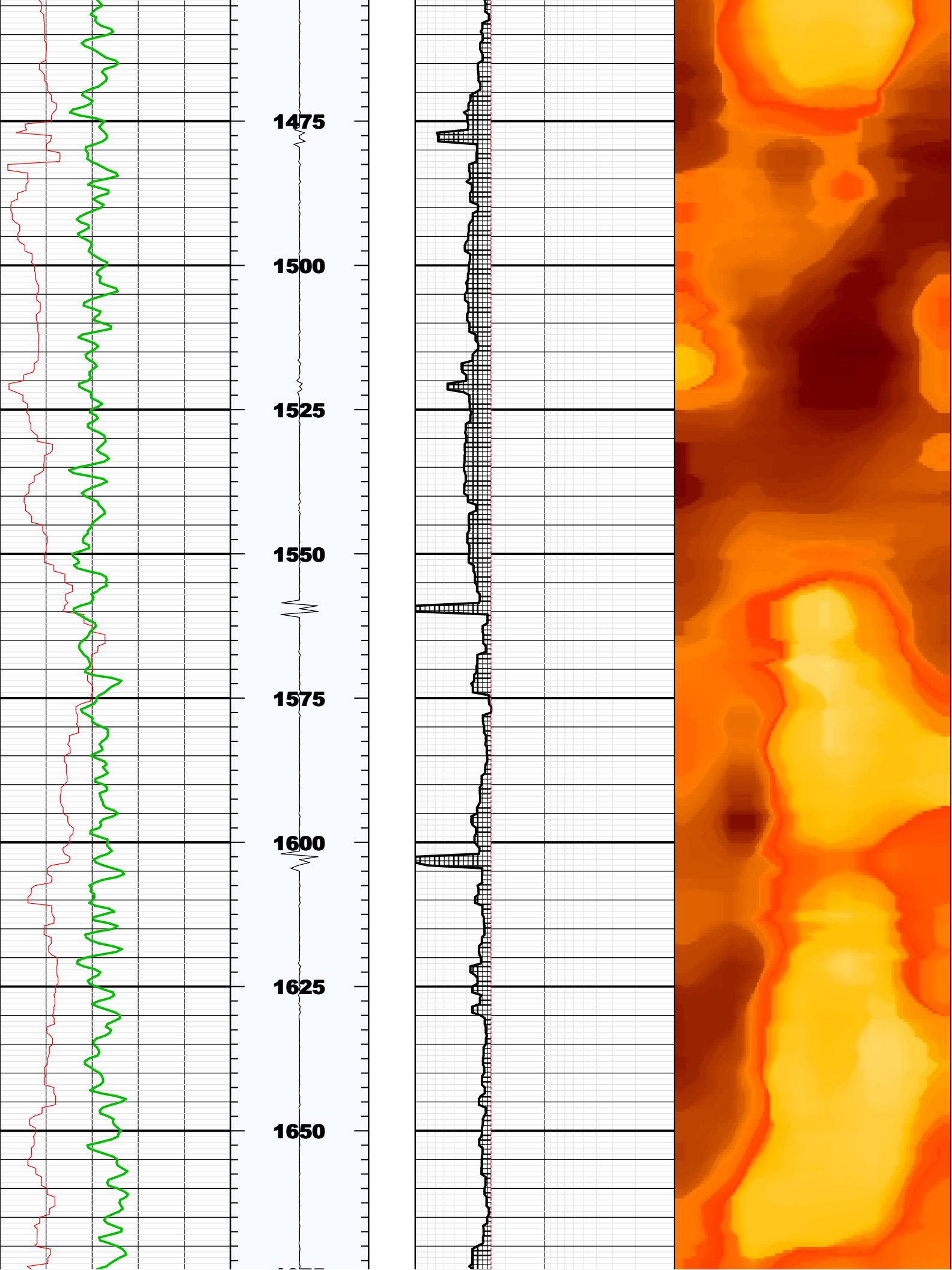
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725
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775

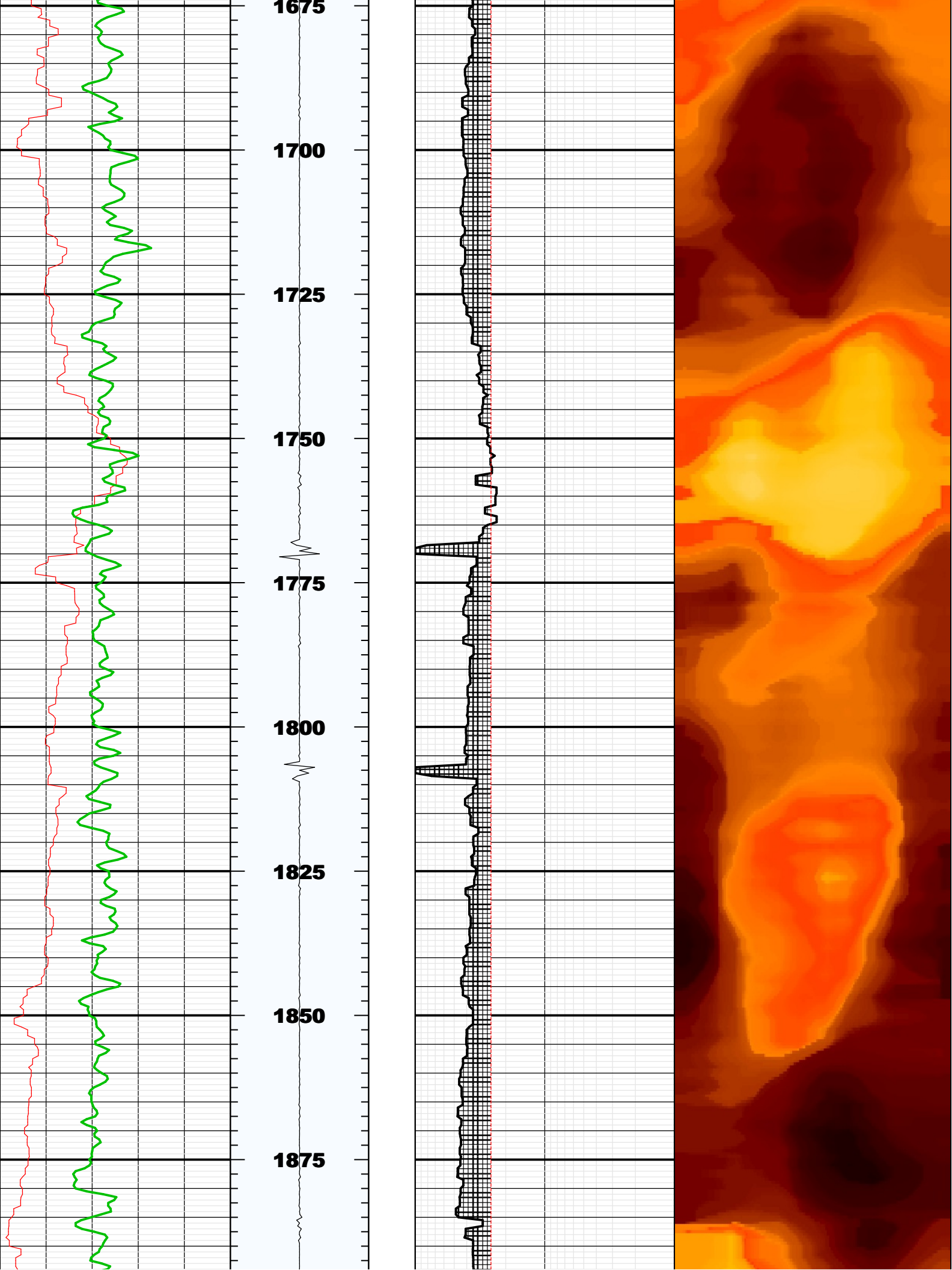


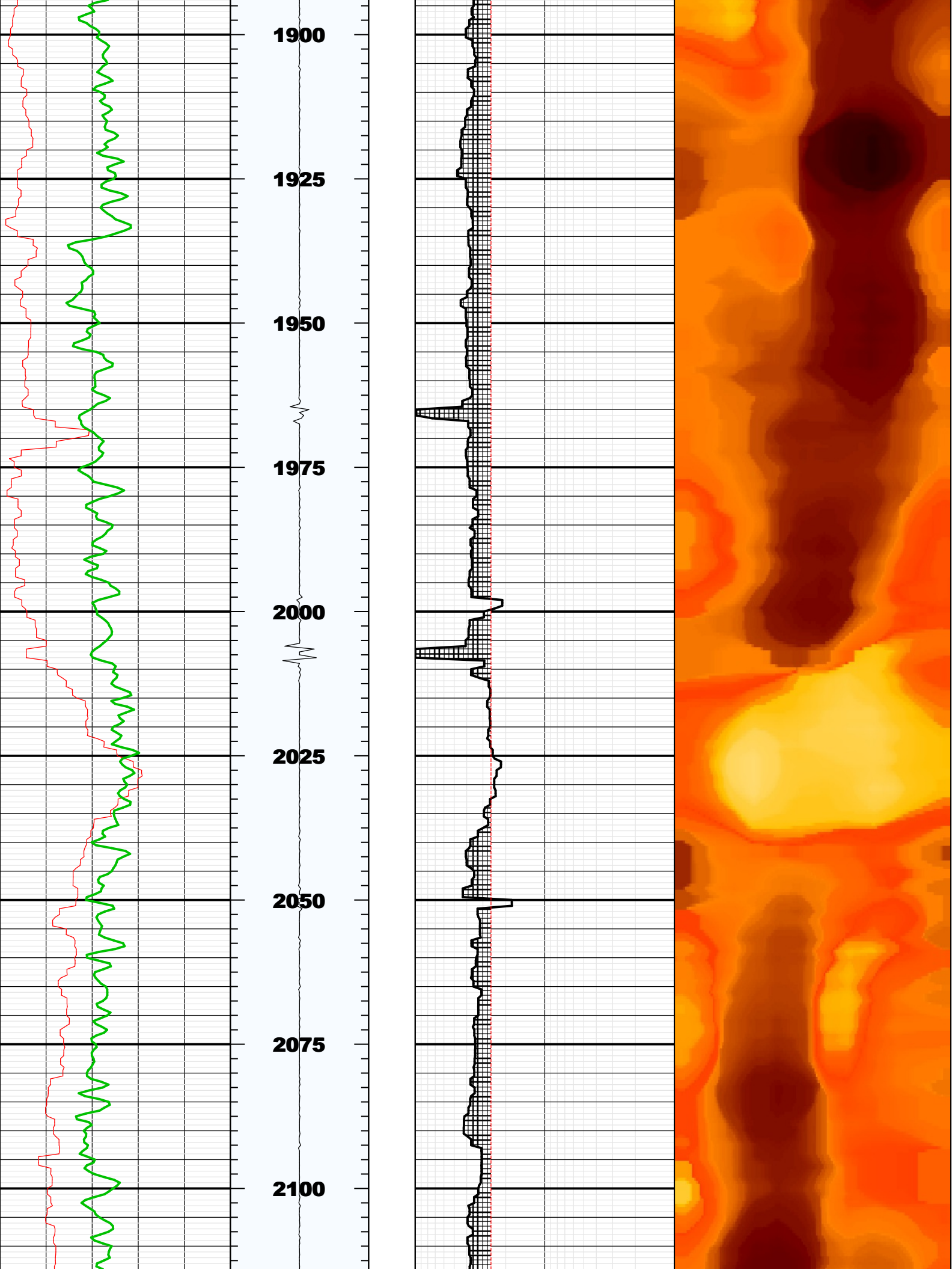


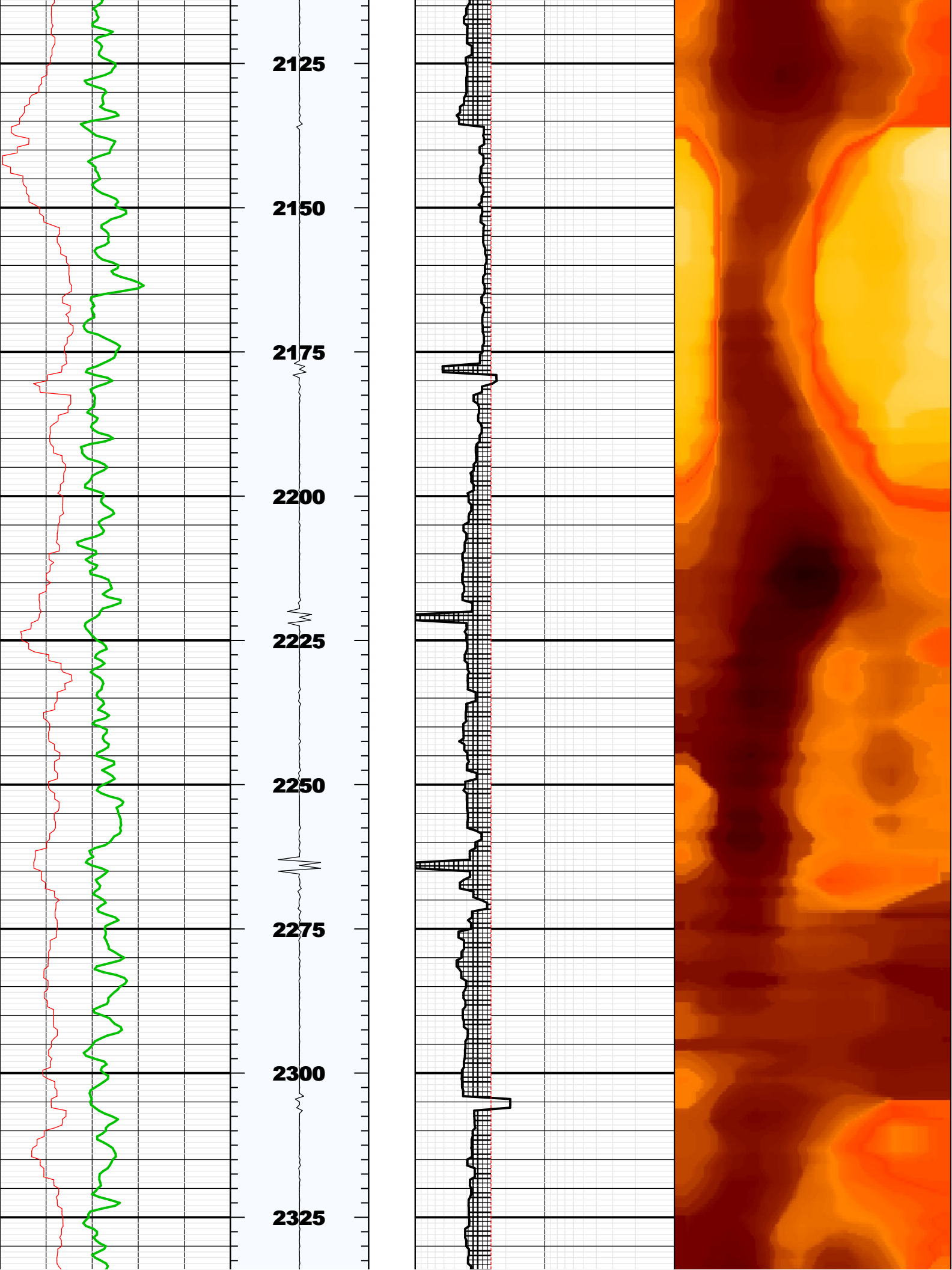


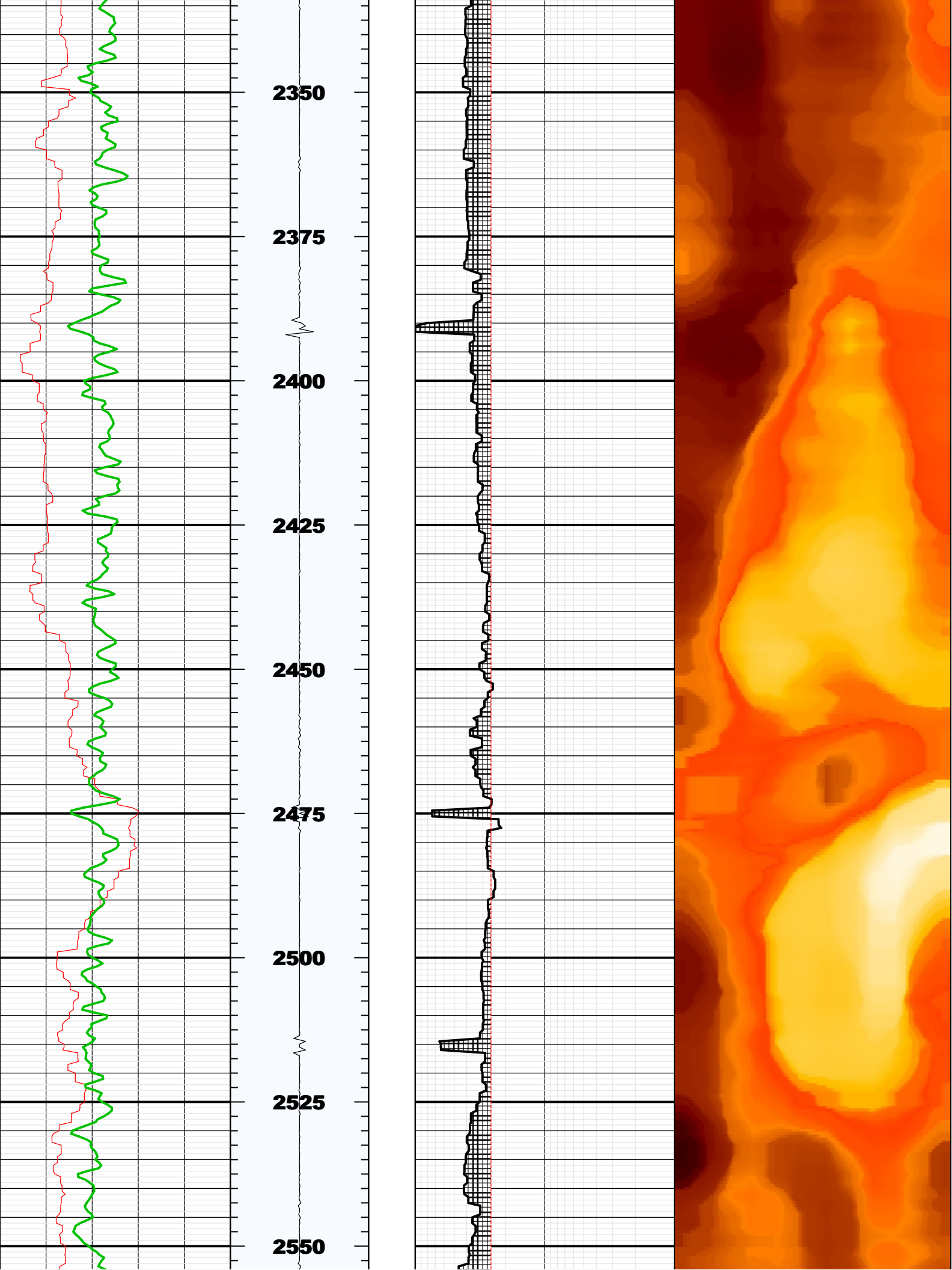


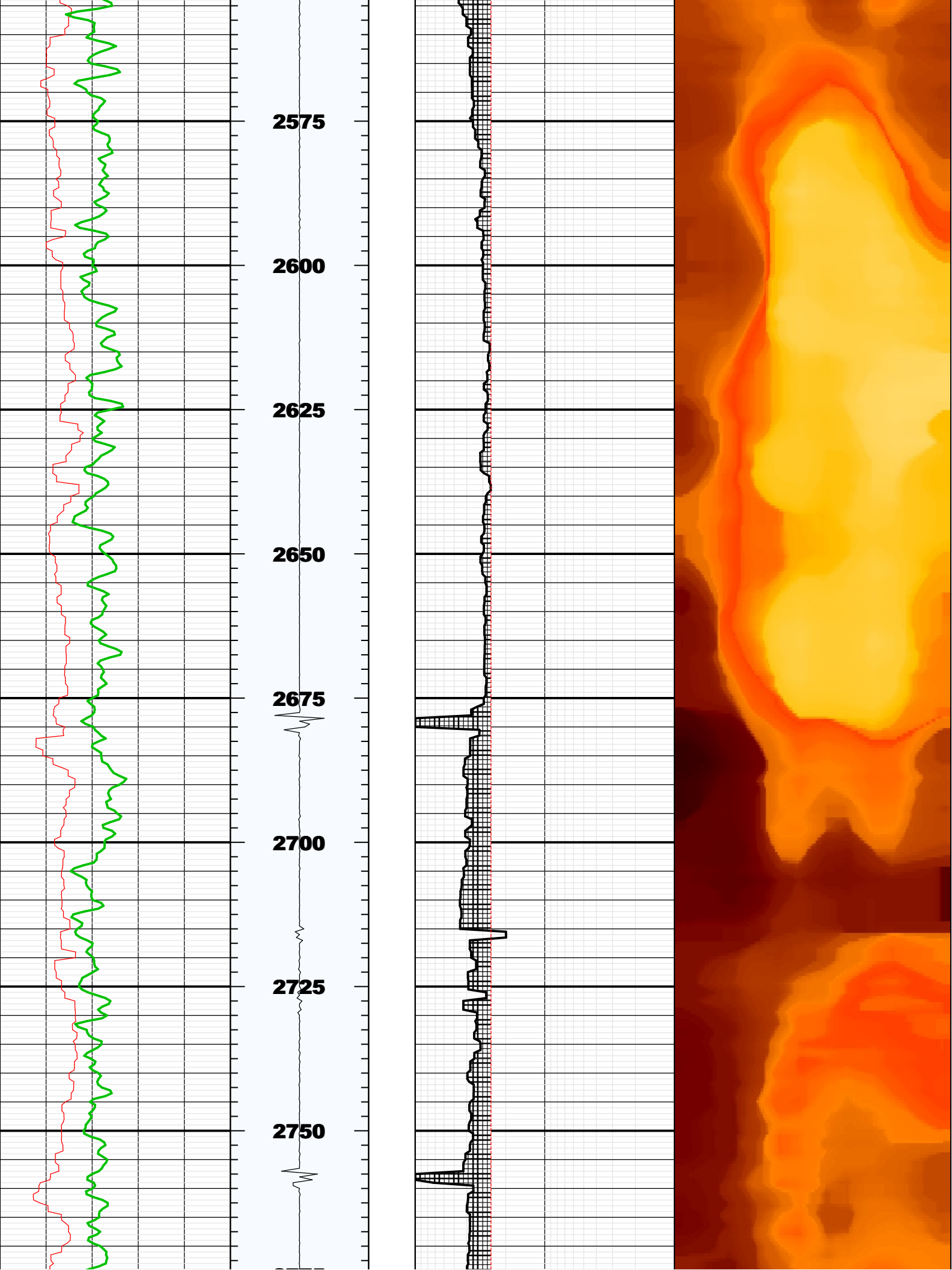


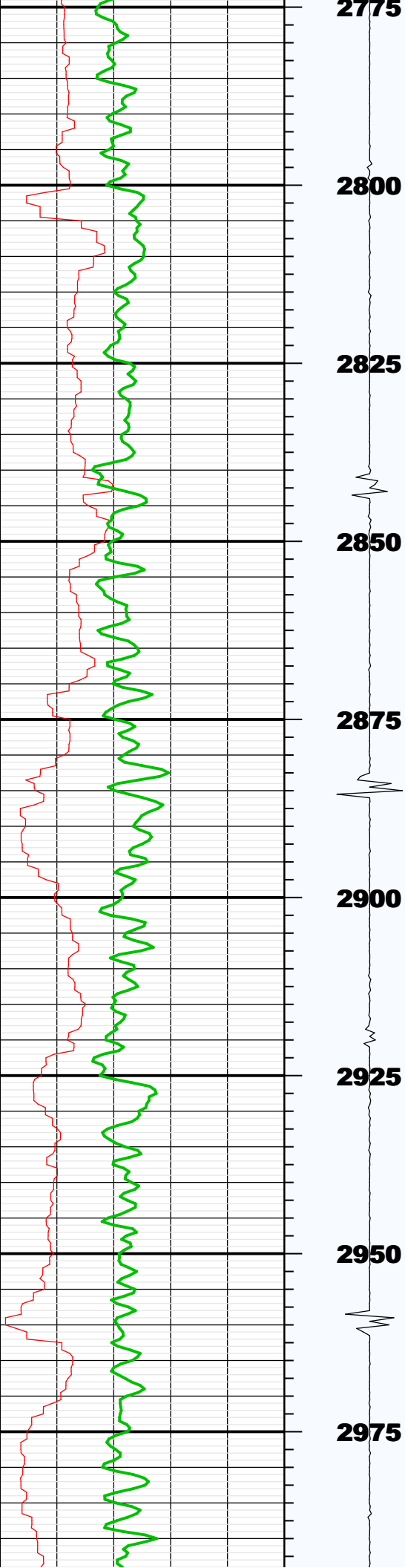




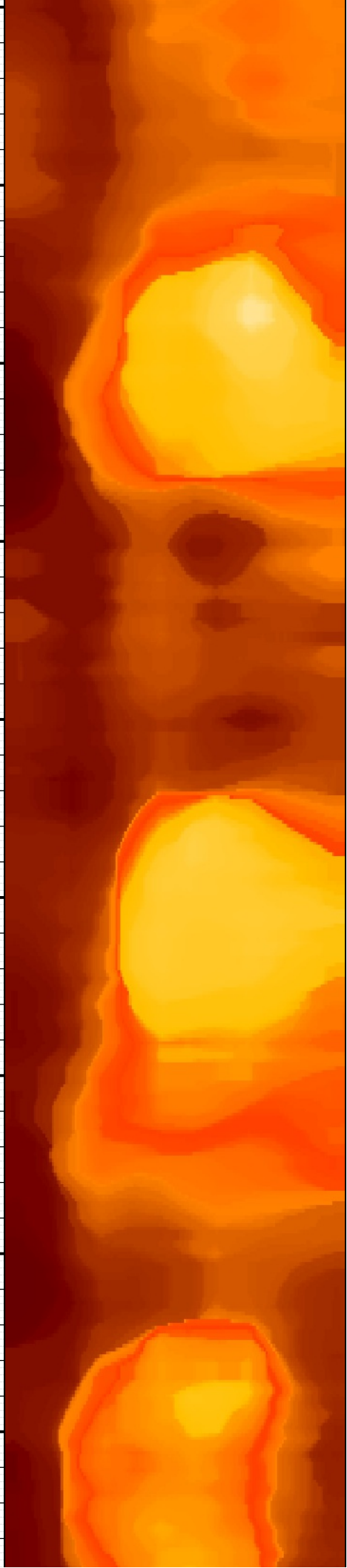
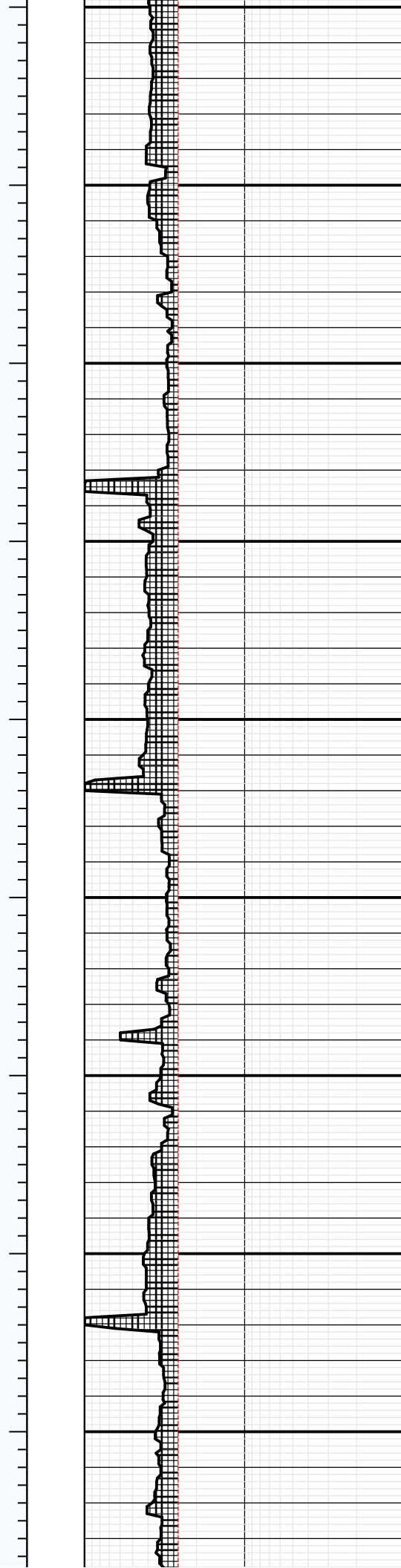


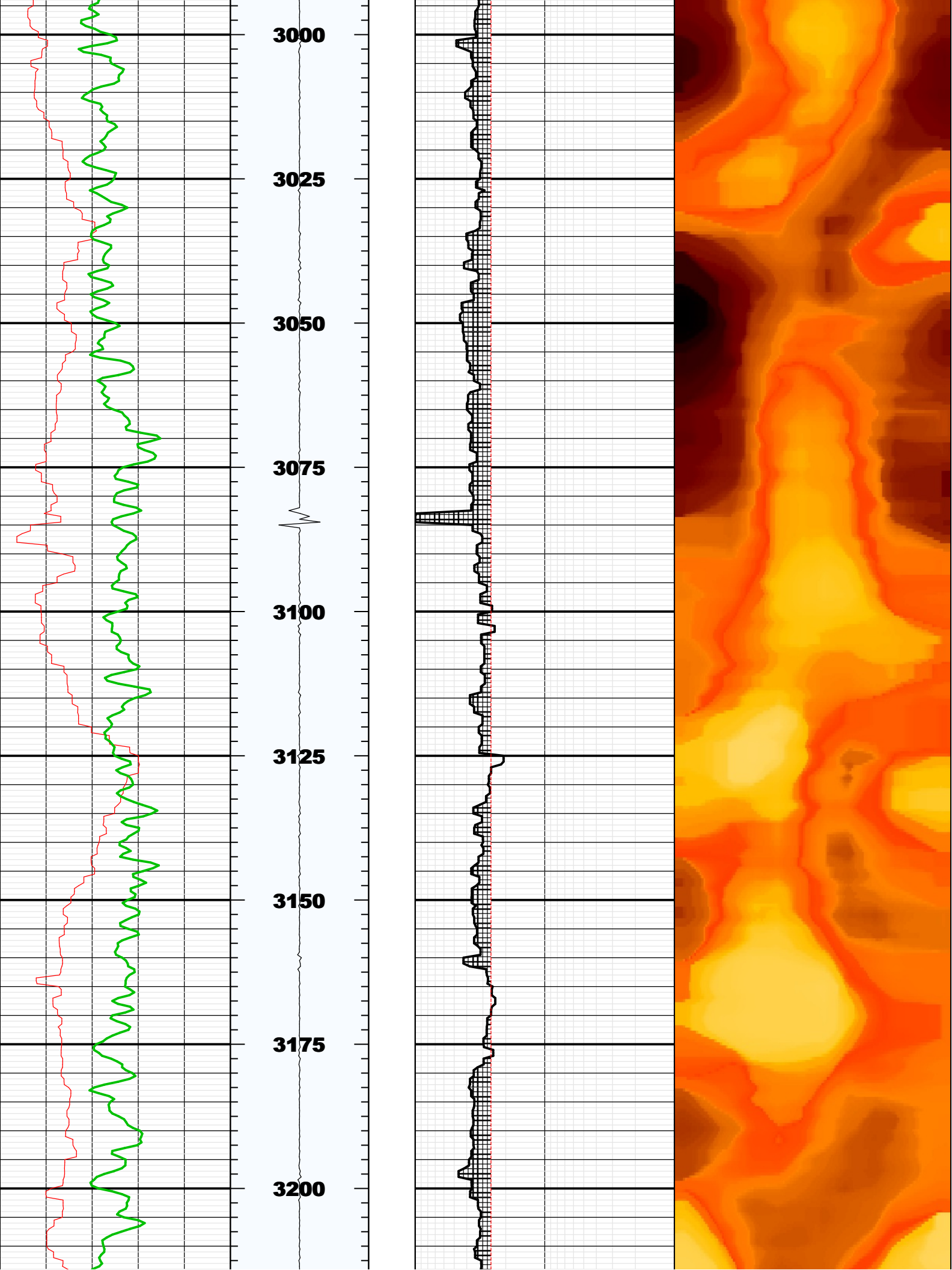


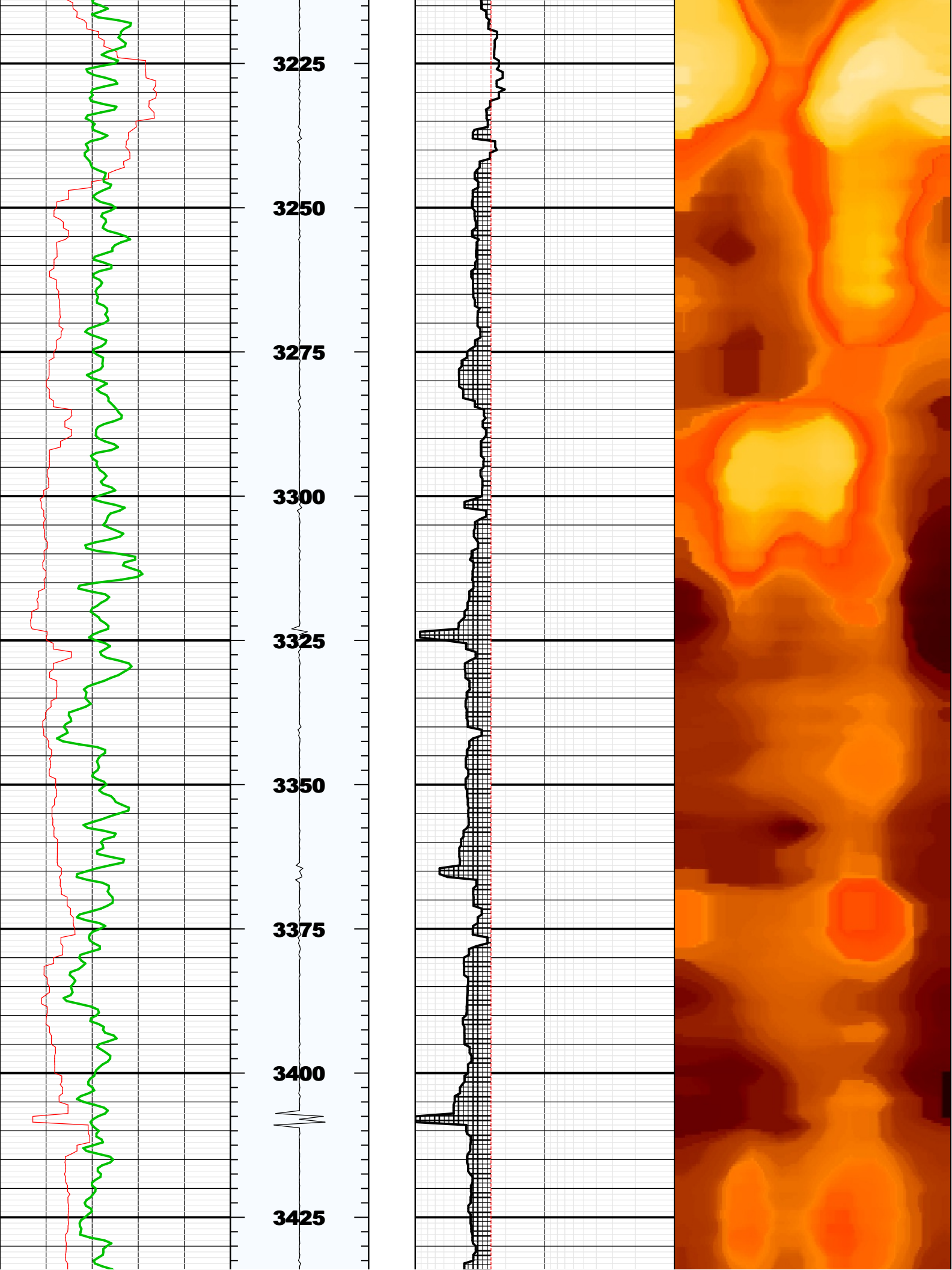


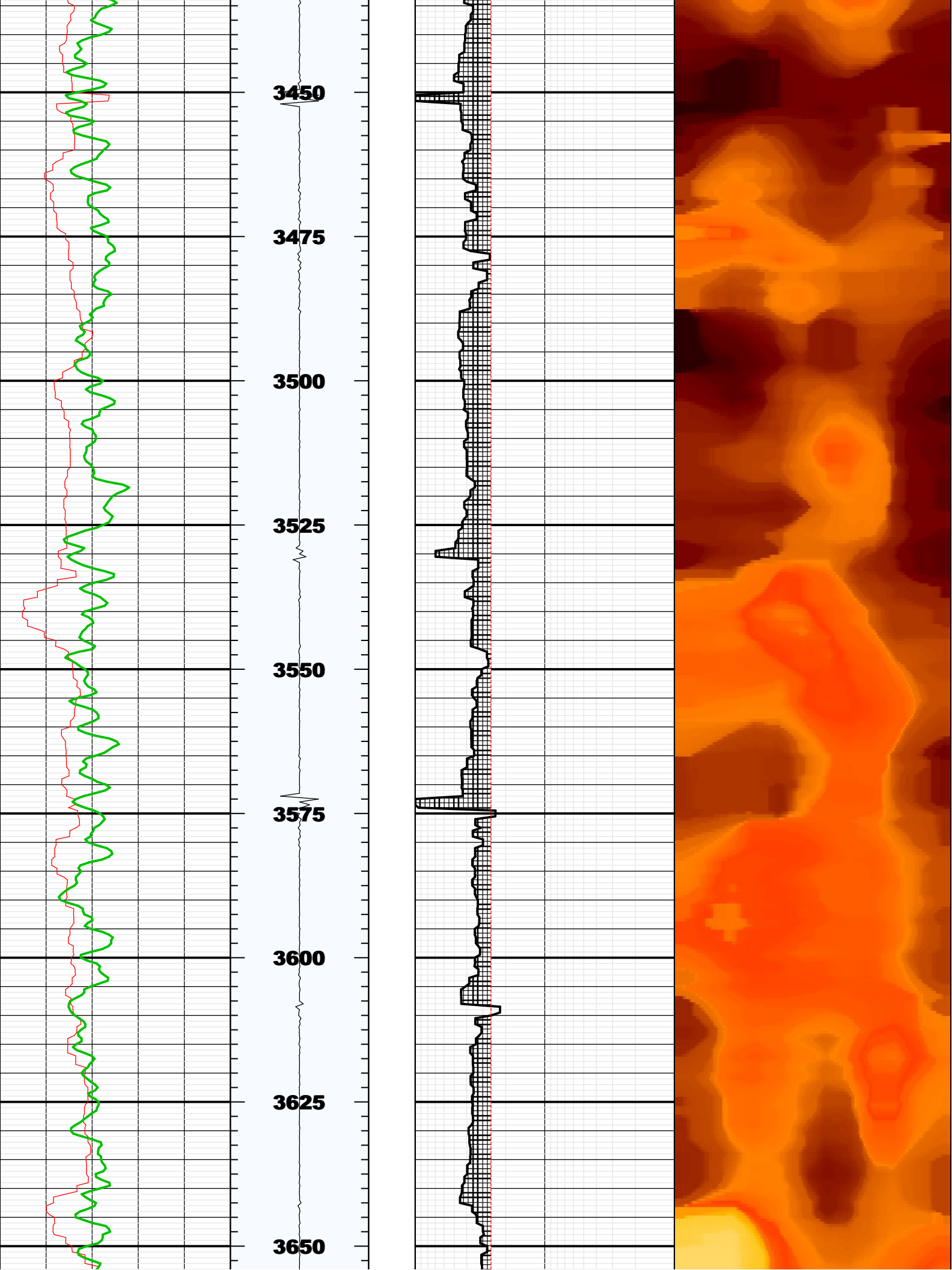


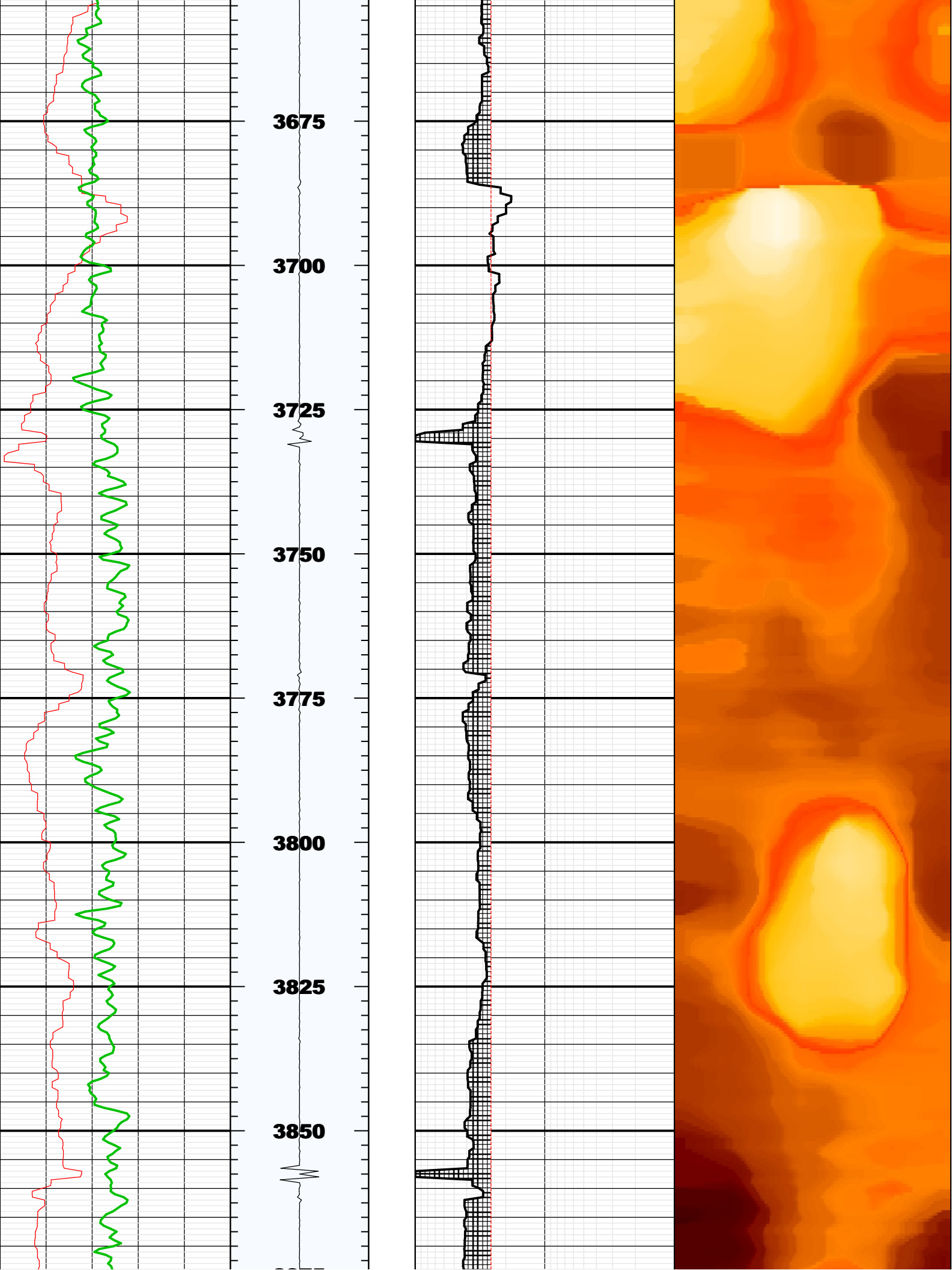
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2850
2875
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2925
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2975

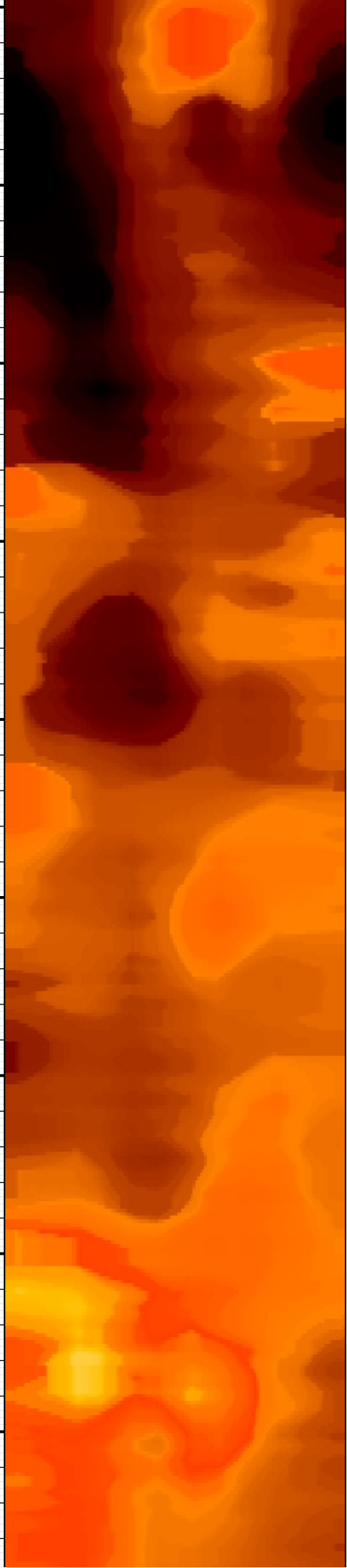
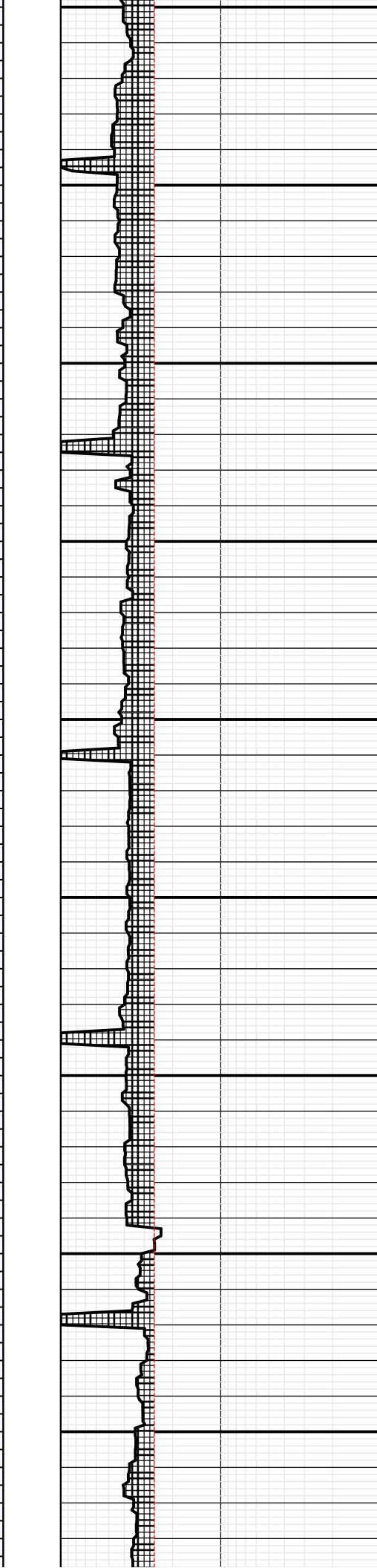
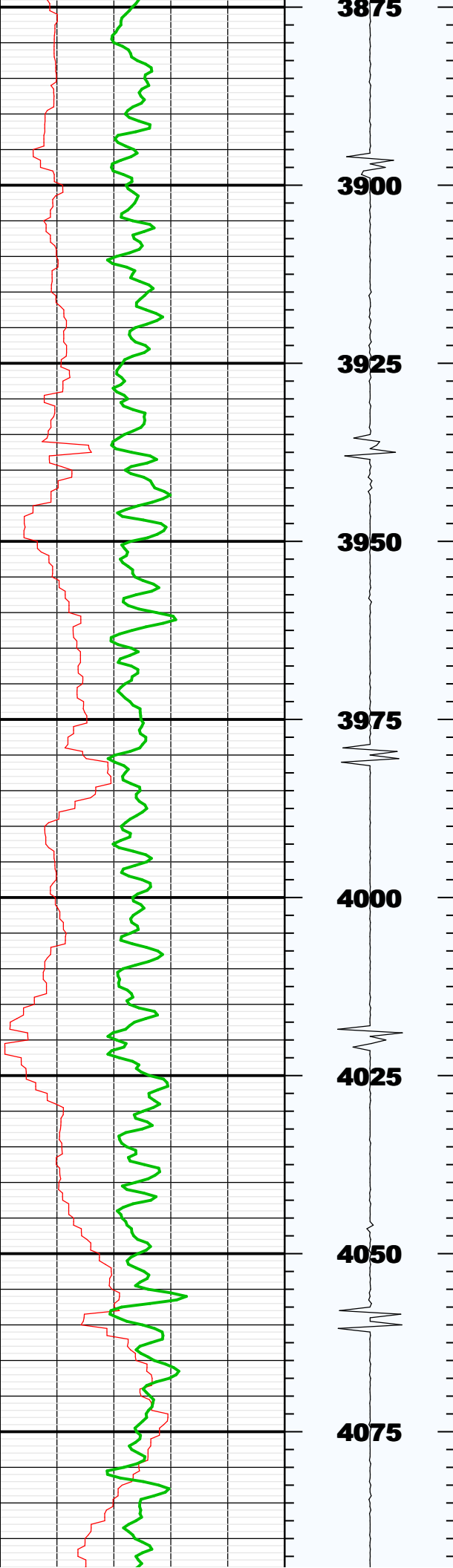


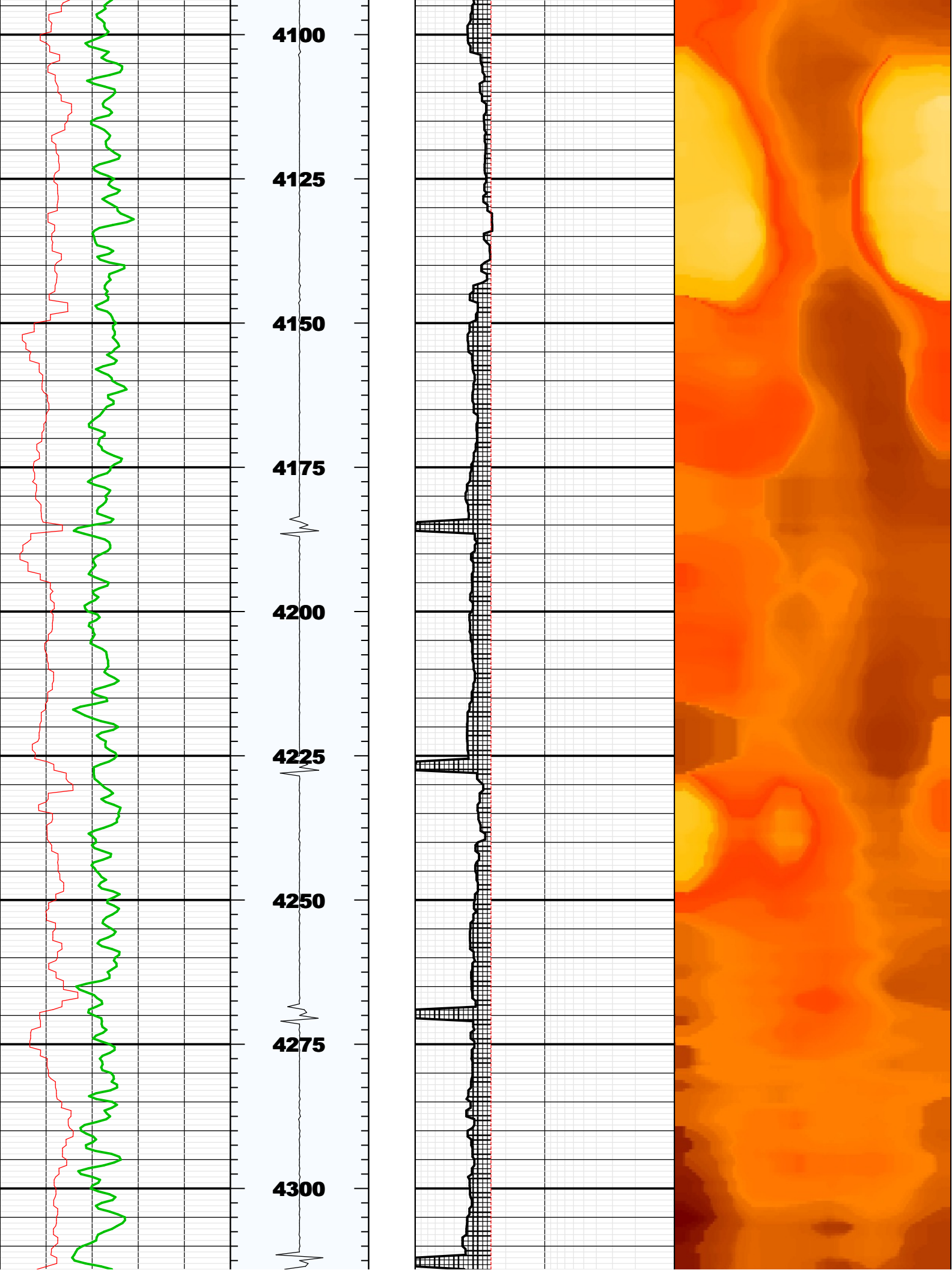


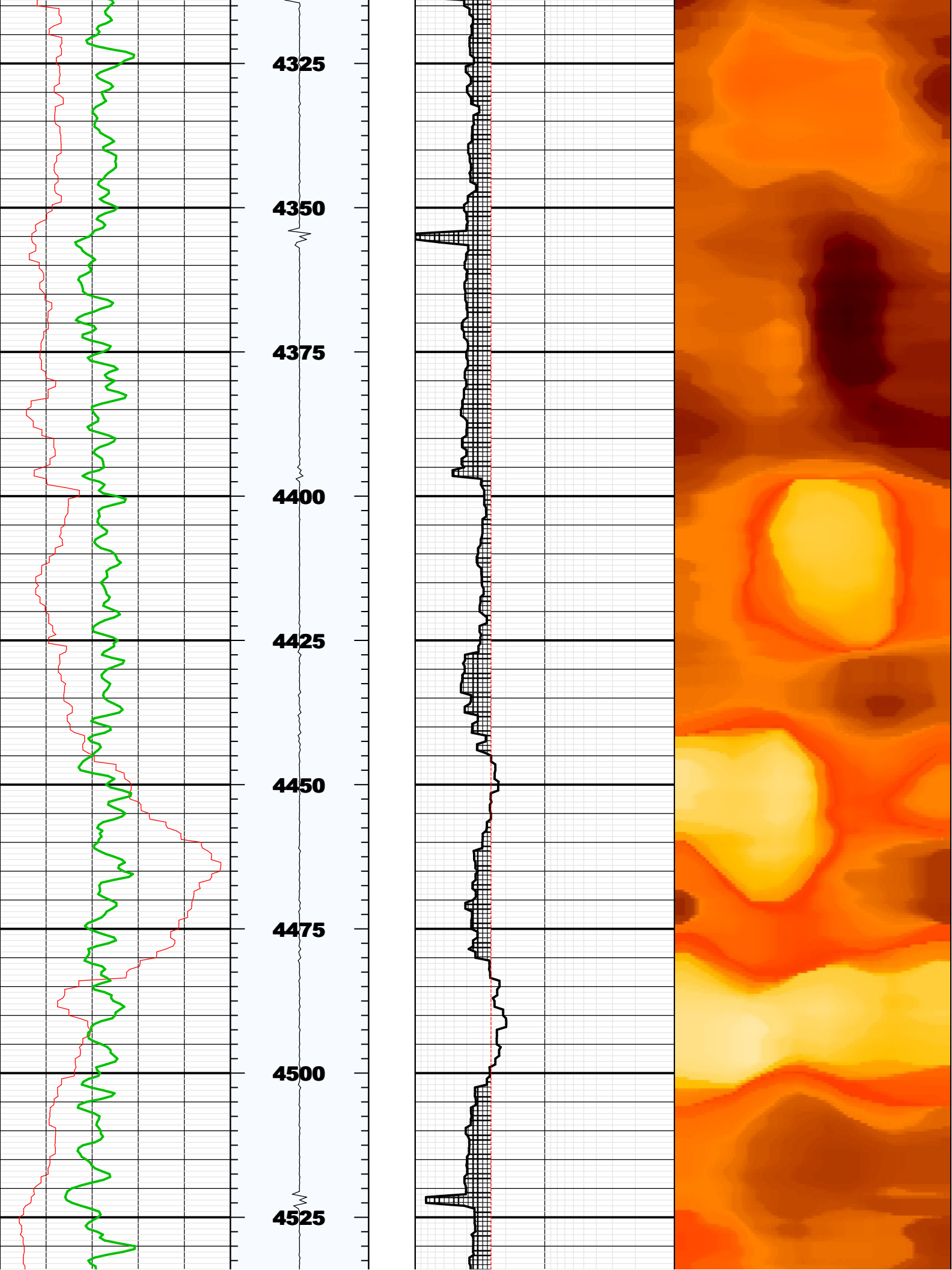


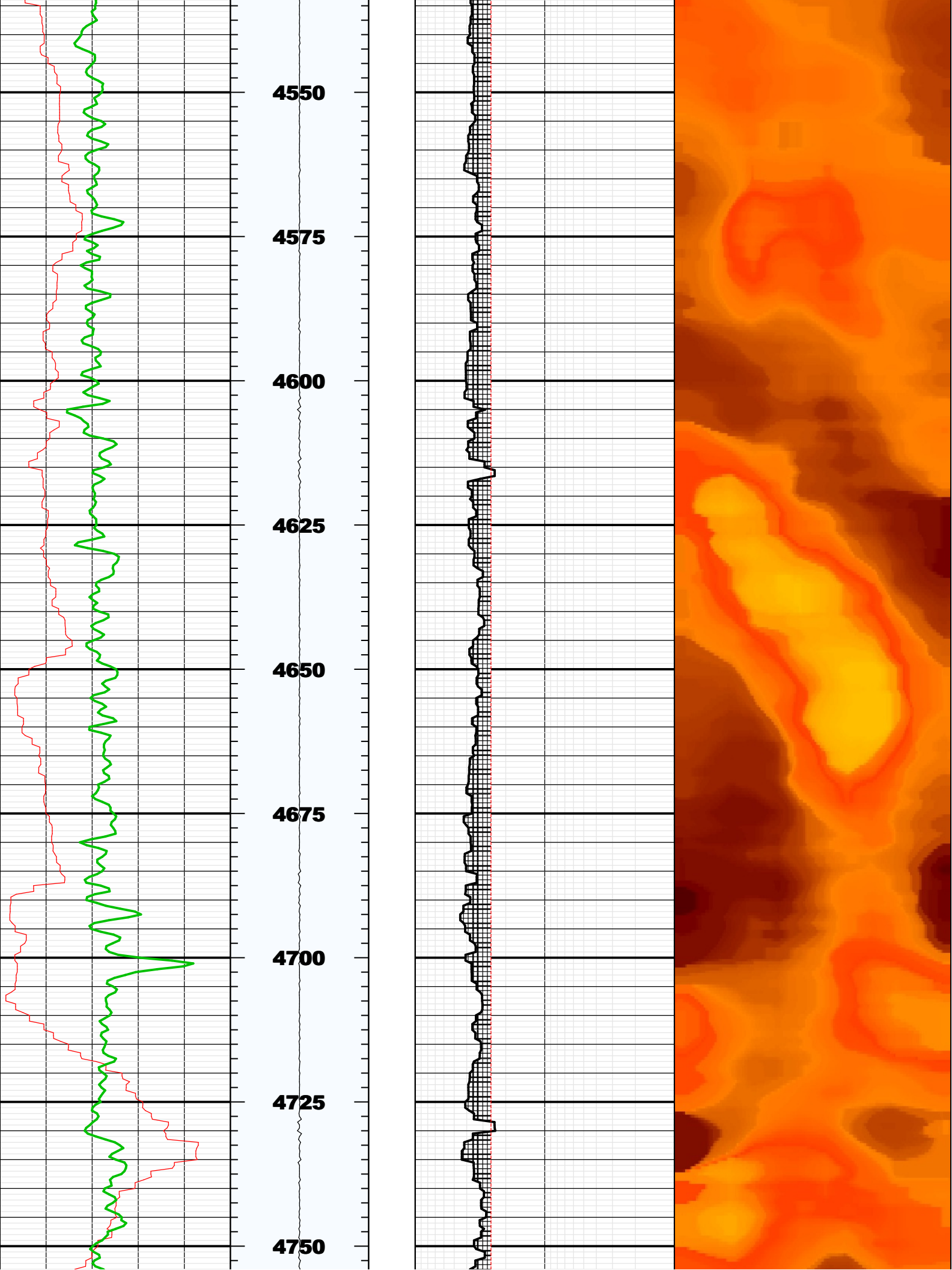


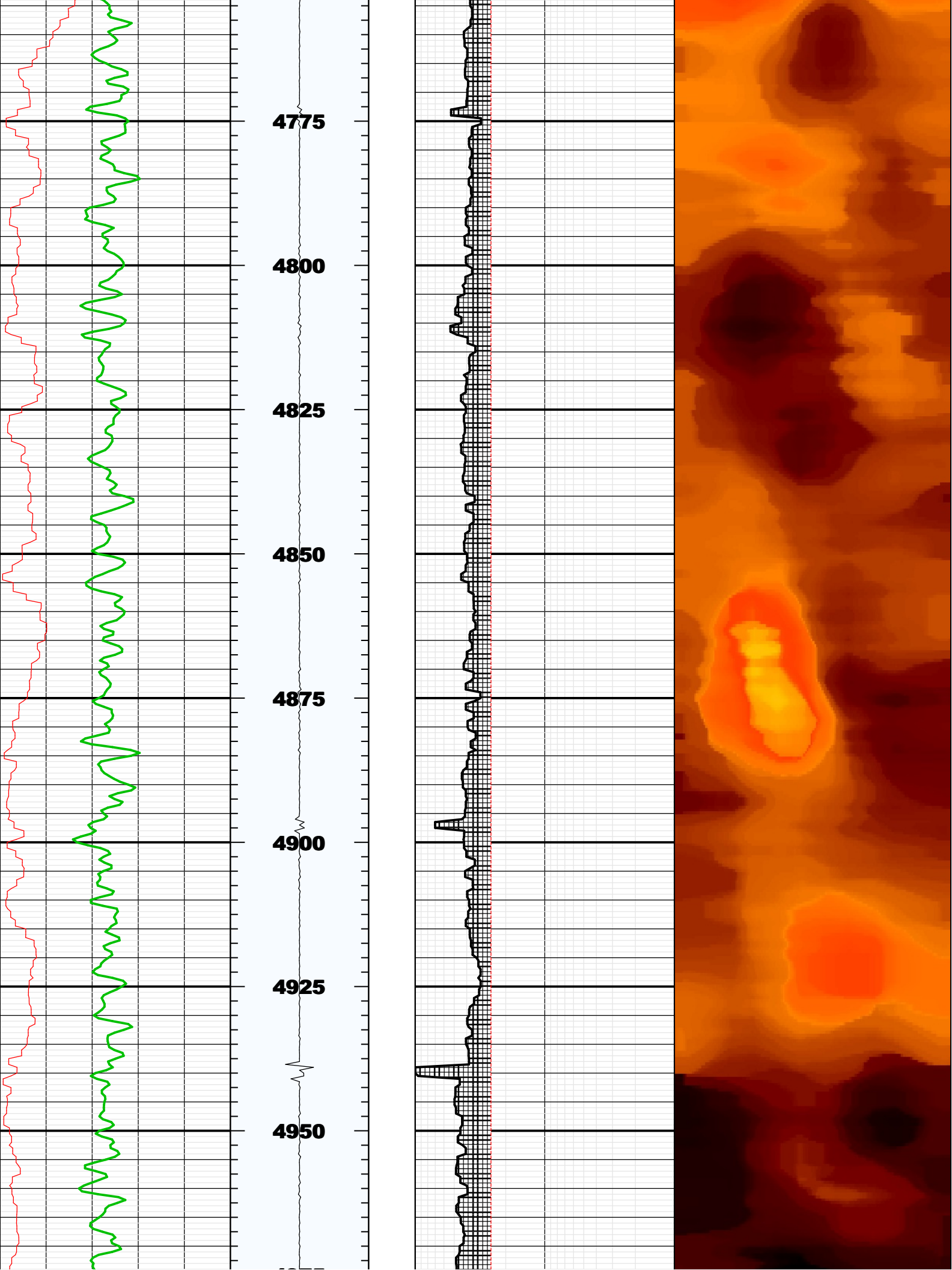


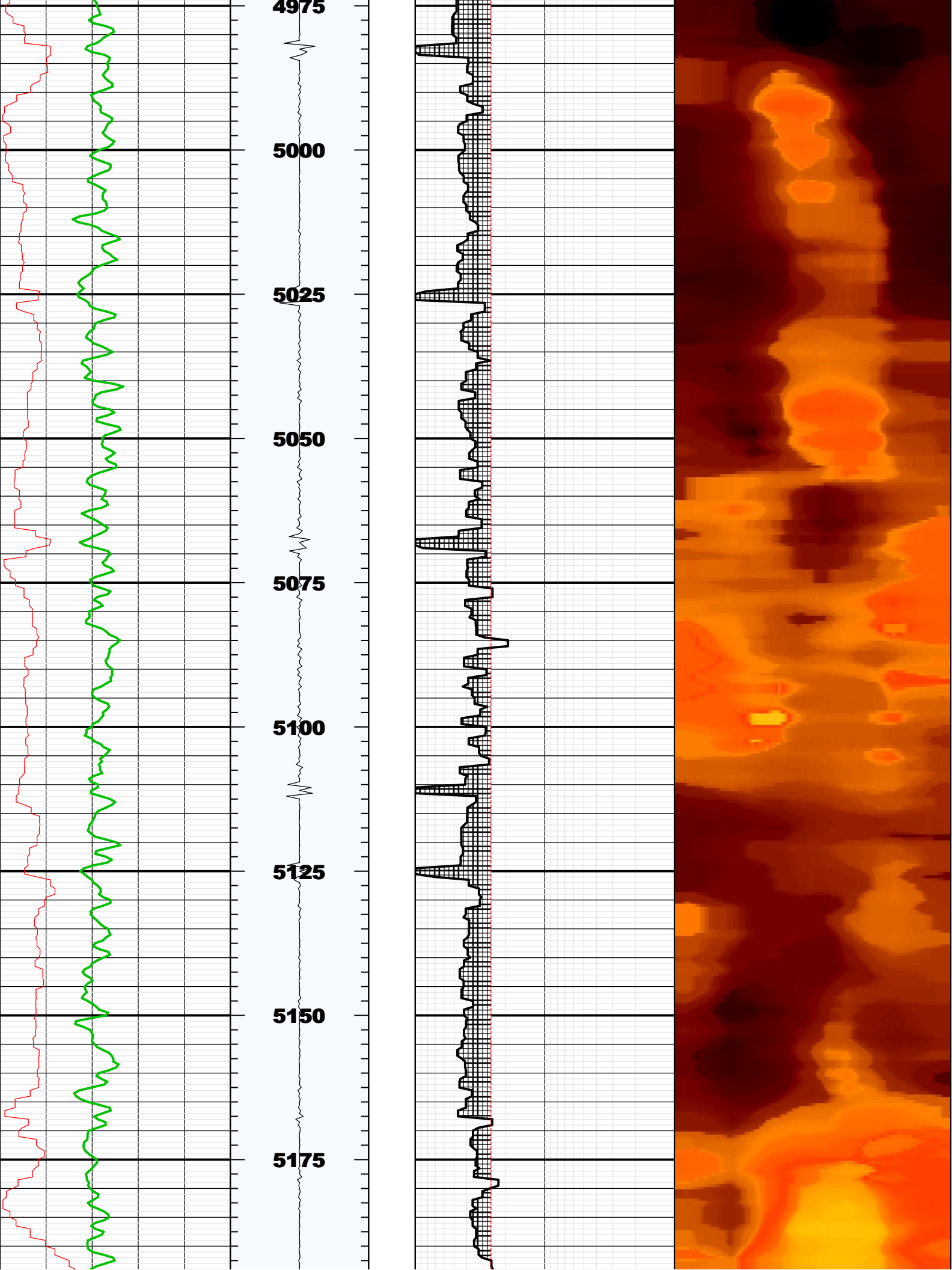


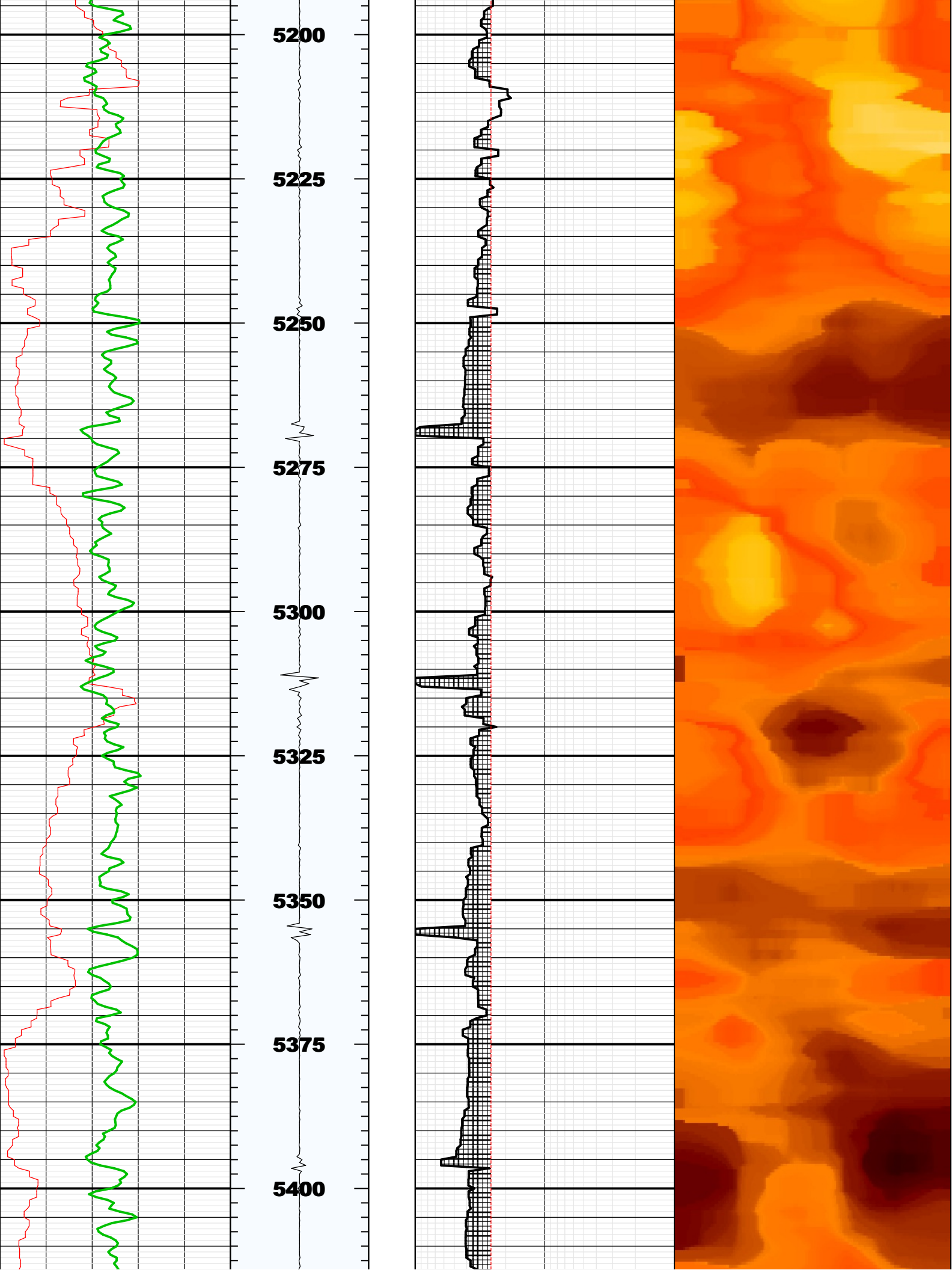


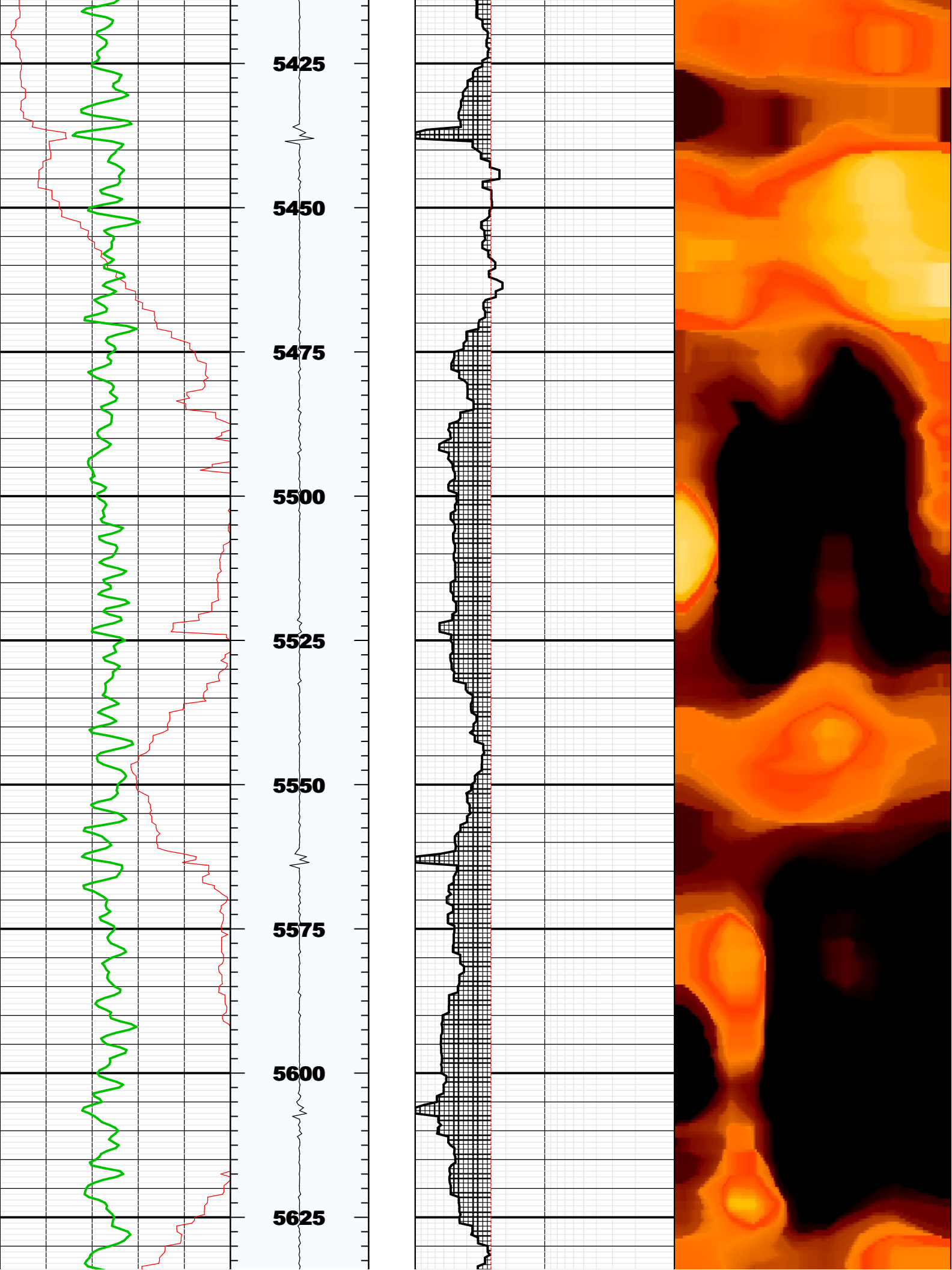


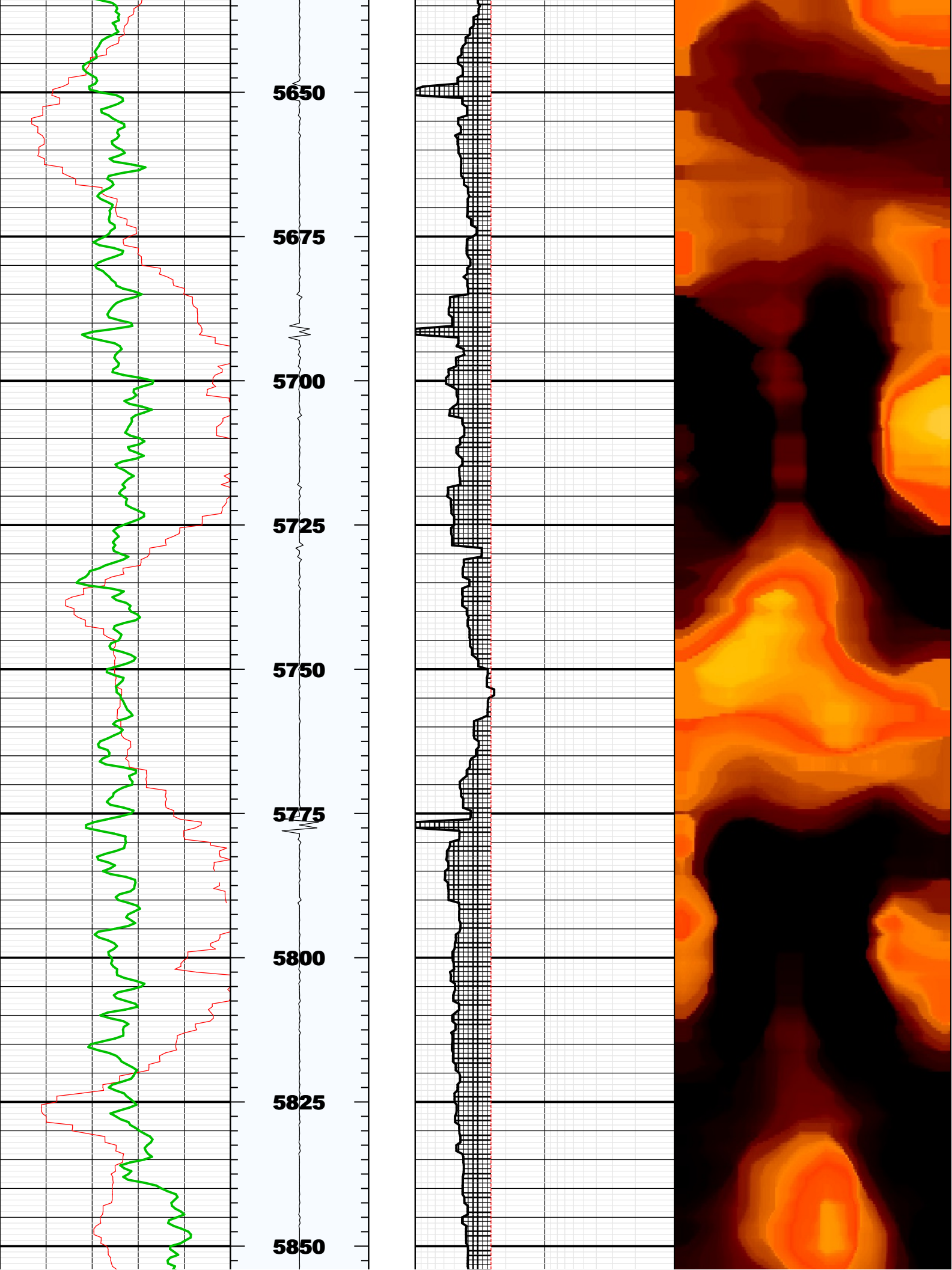


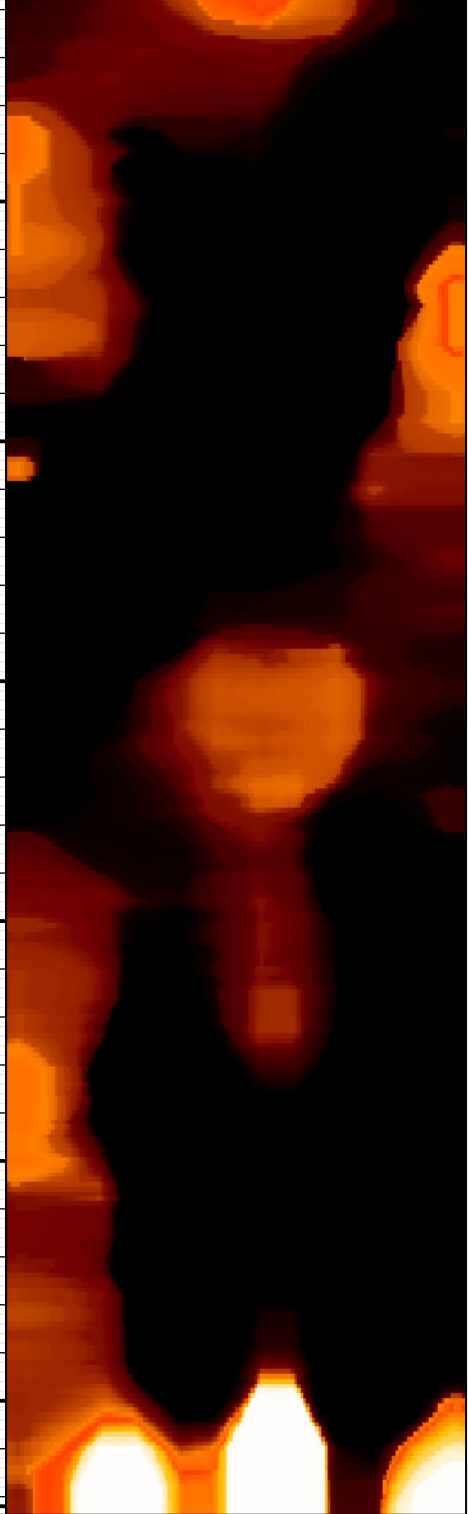
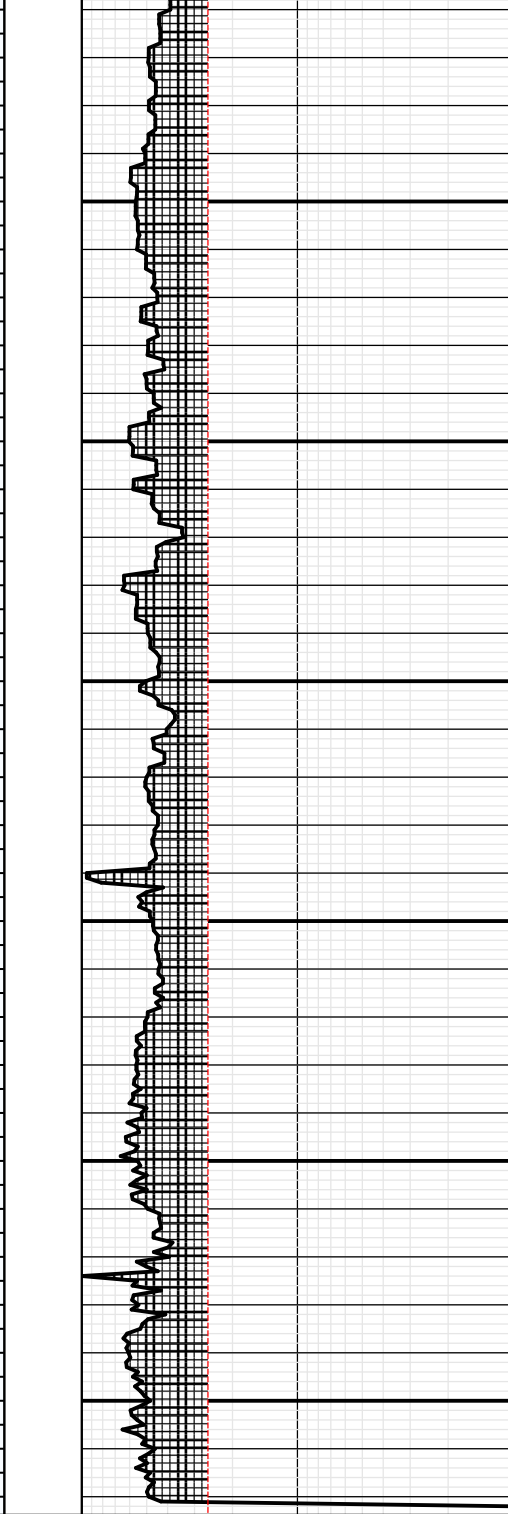
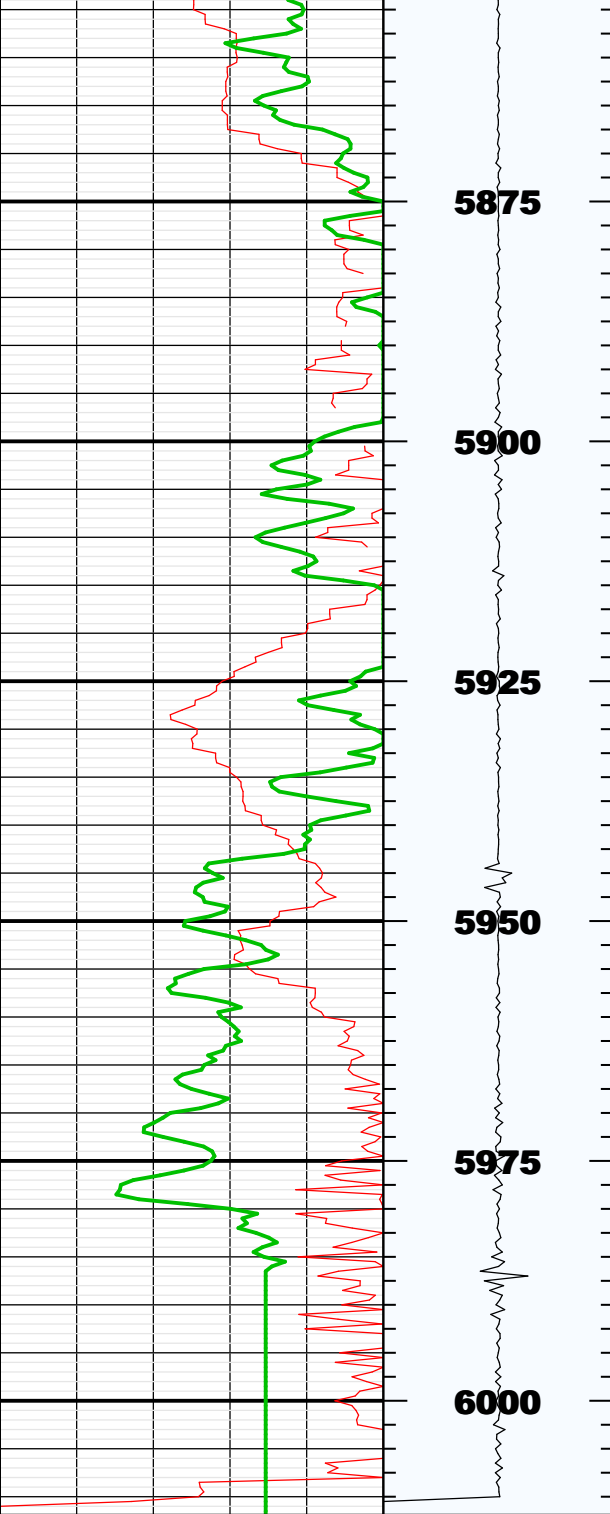








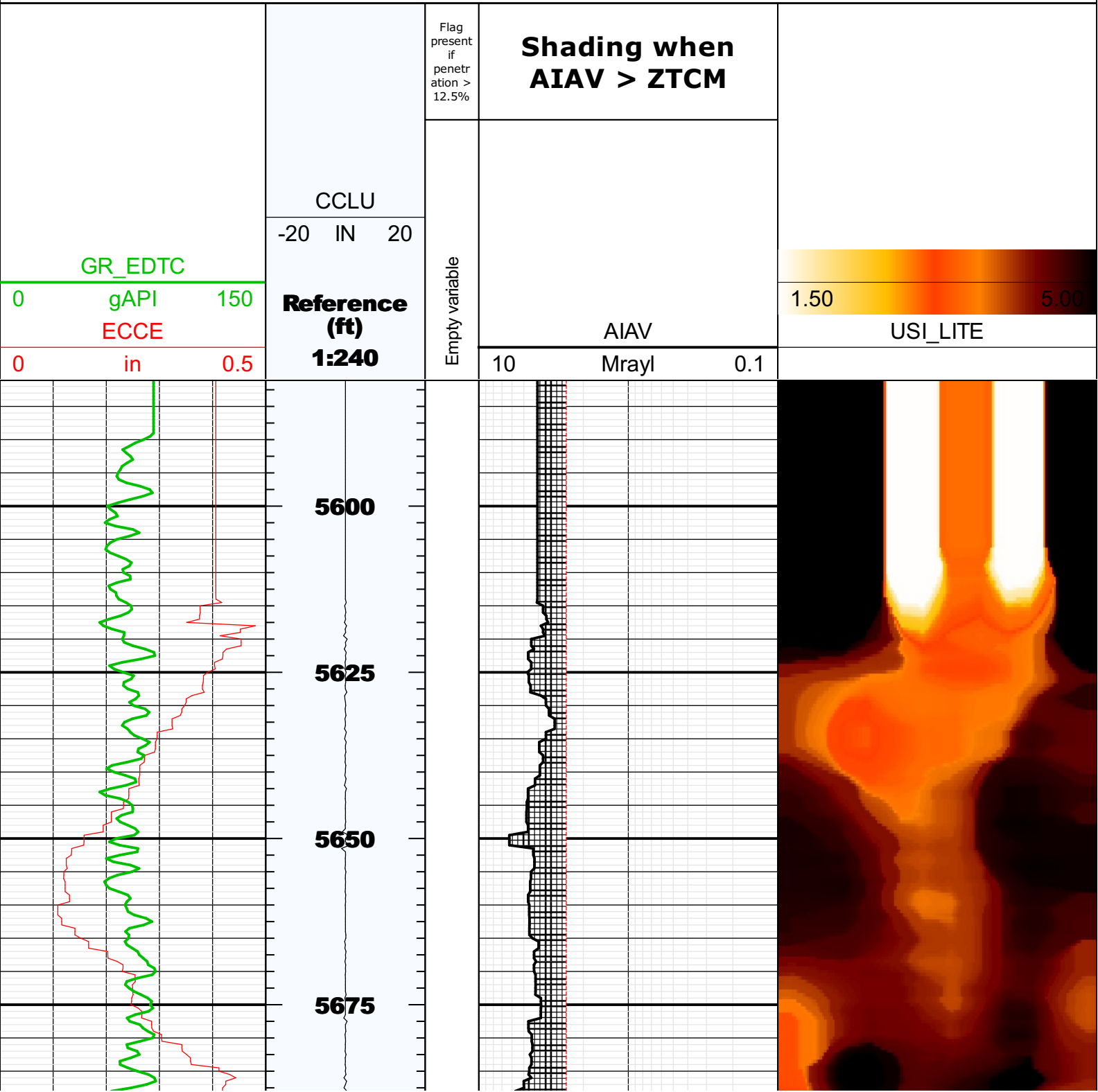


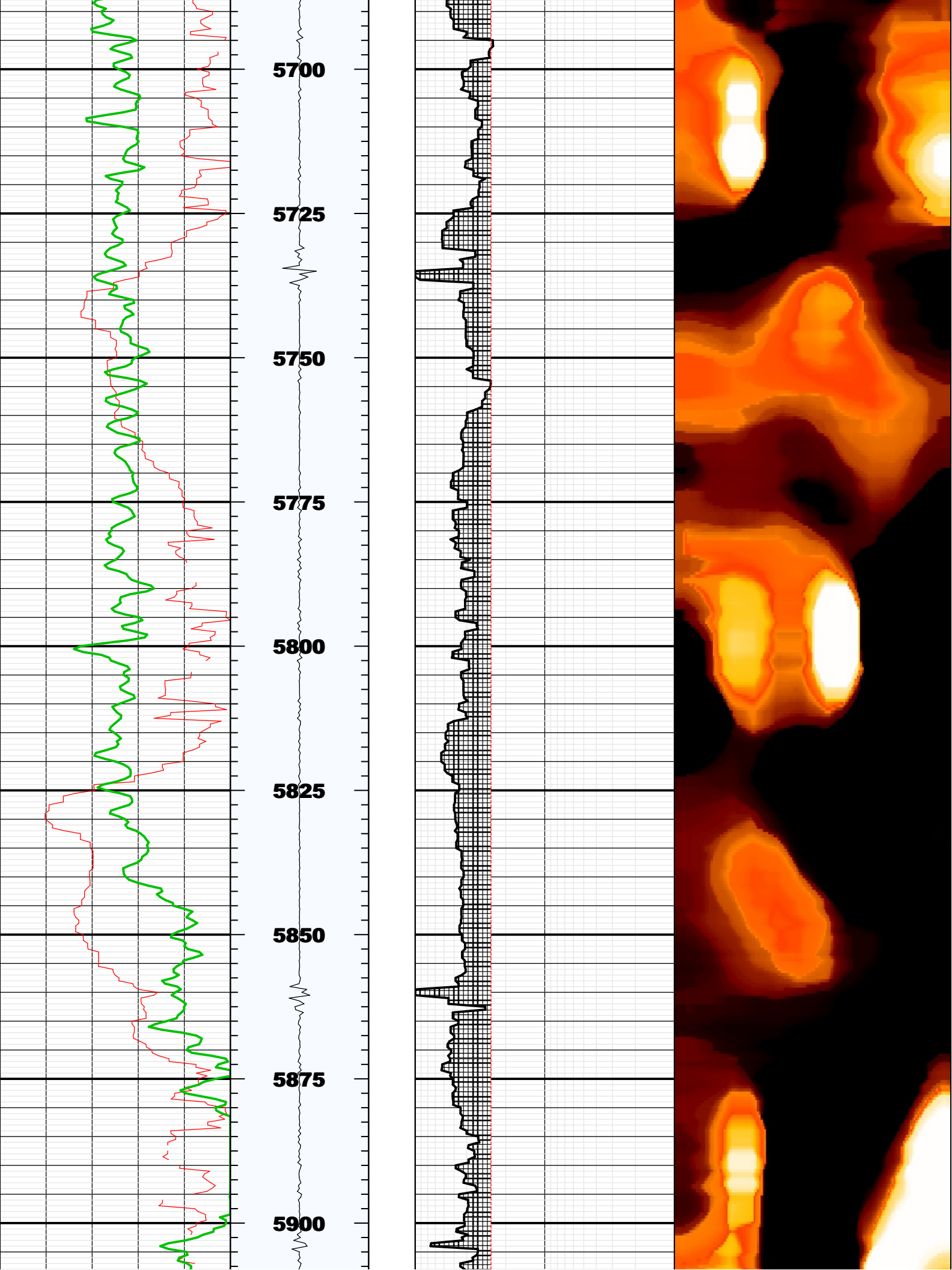


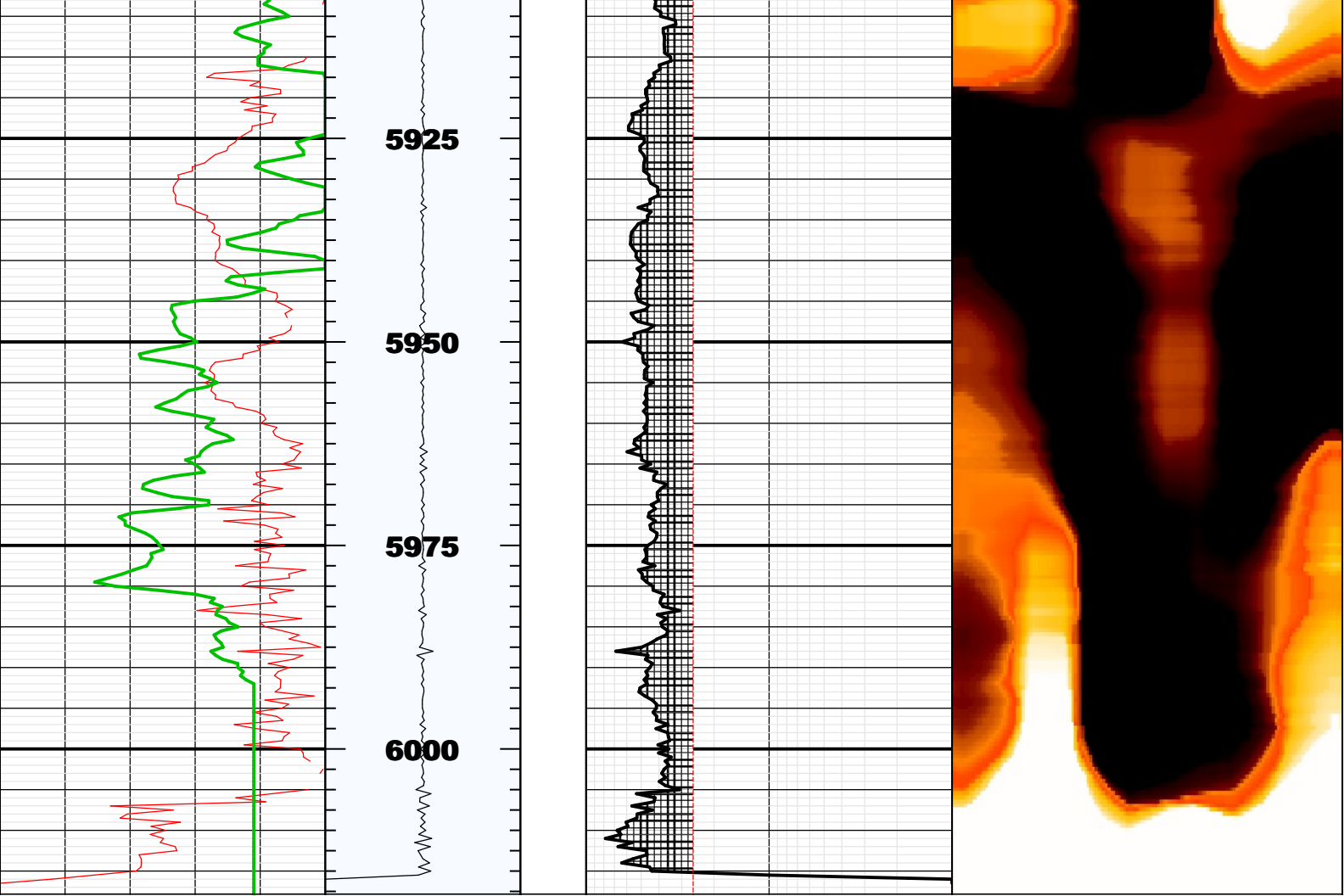
BS	8.75000	IN	Bit Size
CASG	P110		Casing Grade
CDIA	7.00000	IN	Casing Outer Diameter
CSID	6.27600	IN	Casing Inner Diameter
CSIZ	7.00000	IN	Current Casing Size
CWEI	26.00000	LB/F	Casing Weight
DFD	8.40000	LB/G	Drilling Fluid Density
DFVL	206.00000	US/F	Default Fluid Velocity
DO			
DOT	2.87400	IN	Diameter of Transducer Sensor
EMXV	55	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	LNF6010L		Working Mode
VCAS	51.40000	US/F	Ultrasonic Transversal Velocity in Casing
WINB	30.43672	US	Window Begin Time
WINE	83.38828	US	Window End Time
ZCAS	46.25000	MRAY	Acoustic Impedance of Casing
ZINI	-1.00000	MRAY	Initial Estimate of Cement Impedance
ZMUD	1.86000	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: Lynn LC35-760
Field: Wildcat







Fluid Properties Used for Main Pass

