REC'D OCT 14 2011

Schlumberger

Company: OXY US LA BASIN

CONFIDENTIAL

Well: DOM-001

Field: Dominguez

County: Los Angeles State: California

ULTRASONIC BOREHOLE IMAGER
GAMMA RAY TIE IN

County: Los Angeles
Field: Dominguez
Location: SURFACE LAMBERT COORDIN
Well: DOM-001
Company: OXY US LA BASIN

LOCATION

SURFACE LAMBERT COORDINATES
N: 4 0622 754.8
E:4 214 067.32

Elev.: K.B. 194.09 ft
G.L. 168.97 ft
D.F. 194.09 ft

Permanent Datum: GROUND LEVEL Elev.: 186.97 ft
Log Measured From: DERRICK FLOOR 7.03 ft above Perm. Datum
Drilling Measured From: DERRICK FLOOR

API Serial No.	Section	Township	Range
037-27124	33	3S	13W

	Run 1	Run 2
Logging Date	21-Jan-2011	
Run Number	ONE	
Depth Driller	12894 ft	
Schlumberger Depth	12894 ft	
Bottom Log Interval	12877 ft	
Top Log Interval	11103 ft	
Casing Driller Size @ Depth	7.000 in @ 11103 ft	@
Casing Schlumberger	11103 ft	
Bit Size	6.000 in	
Type Fluid In Hole	SYNTHETIC BASED MUD	
MUD Density / Viscosity	13.5 lbm/gal / 52 s	
MUD Fluid Loss / PH	3.7 cm3	
MUD Source Of Sample	N/A	
RM @ Measured Temperature	@	@
RMF @ Measured Temperature	@	@
RMC @ Measured Temperature	@	@
Source RMF / RMC	N/A / N/A	
RM @ MRT / RMF @ MRT	@ 294 / @ 294	@ / @
Maximum Recorded Temperatures	294 degF	
Circulation Stopped / Time	20-Jan-2011 / 19:00	
Logger On Bottom / Time	21-Jan-2011 / 22:19	
Unit Number / Location	2363 / BAKERSFIELD	
Recorded By	JARROD LONG	
Witnessed By		

	Run 1	Run 2
Logging Date		
Run Number		
Depth Driller		
Schlumberger Depth		
Bottom Log Interval		
Top Log Interval		
Casing Driller Size @ Depth	@	
Casing Schlumberger		
Bit Size		
Type Fluid In Hole		
MUD Density / Viscosity		
MUD Fluid Loss / PH		
MUD Source Of Sample		
RM @ Measured Temperature	@	
RMF @ Measured Temperature	@	
RMC @ Measured Temperature	@	
Source RMF / RMC		
RM @ MRT / RMF @ MRT	@ / @	
Maximum Recorded Temperatures		
Circulation Stopped / Time		
Logger On Bottom / Time		
Unit Number / Location		
Recorded By		
Witnessed By		

DEPTH SUMMARY LISTING

Date Created: 22-JAN-2011 3:05:41

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-B	Type:	CMTD-B/A	Type:	7-48A SUS
Serial Number:	5905	Serial Number:	1377	Serial Number:	7131
Calibration Date:	02-DEC-2010	Calibration Date:	06-JAN-2011	Length:	19900 FT
Calibrator Serial Number:	33	Calibrator Serial Number:	625	Conveyance Method:	Wireline
Calibration Cable Type:	7-48A SUS	Number of Calibration Points:	10	Rig Type:	LAND
Wheel Correction 1:	-5	Calibration RMS:	7		
Wheel Correction 2:	-5	Calibration Peak Error:	14		

Depth Control Parameters

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	PLATFORM EXPRESS
Reference Log Run Number:	TWO
Reference Log Date:	31-DEC-2010
Subsequent Trip Down Log Correction:	

Depth Control Remarks

1. ALL SCHLUMBERGER DEPTH CONTROL PROCEDURES FOLLOWED.
2. IDW USED AS PRIMARY DEPTH REFERENCE, Z-CHART USED AS SECONDARY.
3.
4.
5.
6.

DISCLAIMER
THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE 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) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES1	OTHER SERVICES2
OS1: PEX-ECS-HNGS	OS1:
OS2: OBMI-MSIP	OS2:
OS3: XPT	OS3:
OS4: MSCT	OS4:
OS5: USIT	OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
SUBSEQUENT TRIP TO WELL	
LOG CORRELATED TO PLATFORM EXPRESS	
DATED 31 DEC 2010 BY SCHLUMBERGER	

DATED 31-DEC-2010 BY SCHLUMBERGER

OPEN HOLE CENTRALIZER IN PLACE OVER BOTTOM CENTRALIZER

USFS-A RAN WITH FOCUSED TRANSDUCER

MATRIX: SANDSTONE DENSITY: 2.65 G/CC

TOTAL CHLORIDES = 41000 PPM

MAX TEMP = 301 DEGF AT 12898 FT FROM HSTS

Used UBI Xducer No. 222

RIG: H&P 236

CREW: H BOJORQUEZ. A.PENA, J.CORONADO

THANK YOU FOR USING SCHLUMBERGER!

RUN 1		RUN 2	
SERVICE ORDER #:	AUYB-00233	SERVICE ORDER #:	
PROGRAM VERSION:	19C0-187	PROGRAM VERSION:	
FLUID LEVEL:		FLUID LEVEL:	

LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1 RUN 2

SURFACE EQUIPMENT

MRPP-AA 355
WITM (EDTS)-A

DOWNHOLE EQUIPMENT

LEH-MT
LEH-MT 3110

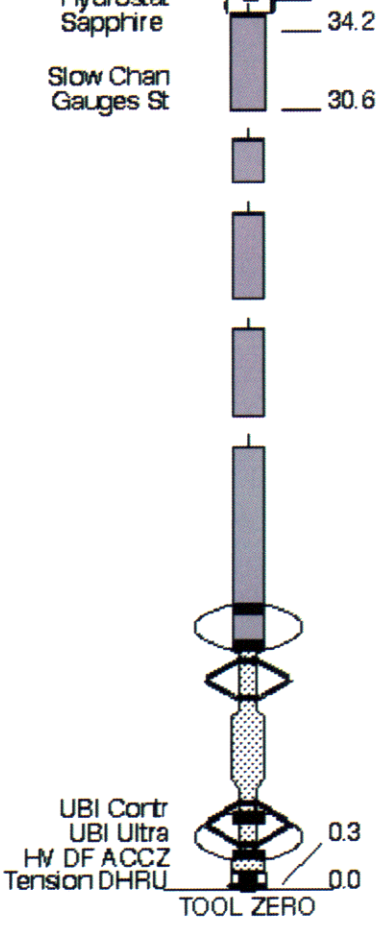
SAH-F
SAH-F 992

HTCS-A
HTCS-A 1028

AH-HSTS
AH-HSTS 731

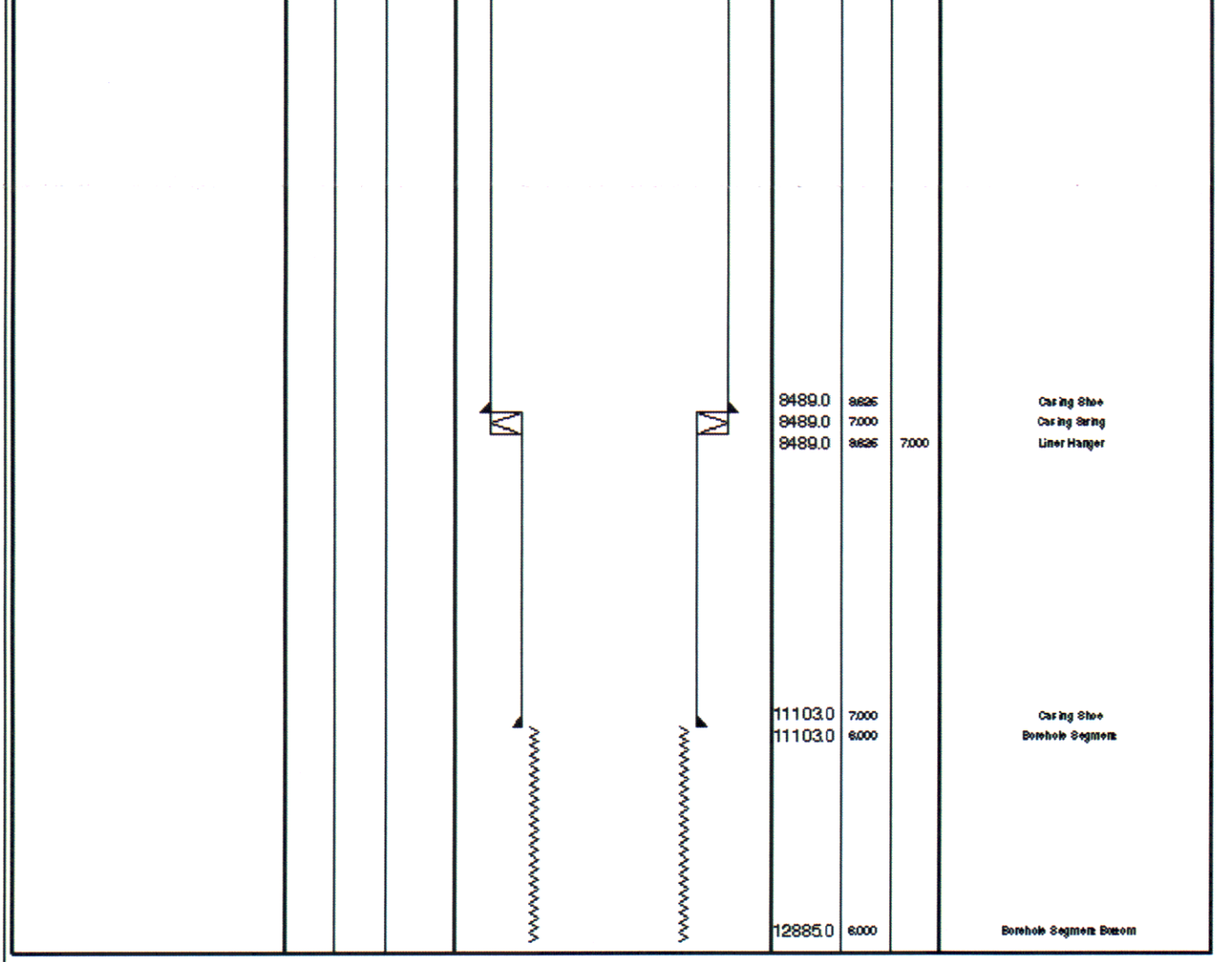
EDTC-B
EDTH-B
EDTC-B 8537
EDTG-A/B

XPT-BA
ECH-MKA 3980
XPCC-C 852
XPS-BA 762
XPAMS-BA 805
XPAM-BA
XPMH-BA
XPMC-BA 794
VERY SMALL Kit
LDXP
HYD-20kPsi
SAP-20kPsi



MAXIMUM STRING DIAMETER 4.50 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET

Production String	(in) OD	(in) ID	(ft) MD	Well Schematic	(ft) MD	(in) OD	(in) ID	Casing String
					0.0	9.625		Casing String



ALL DEPTHS ARE
DRILLERS DEPTHS

Company: OXY US LA BASIN **Well: DOM-001**

Input DLIS Files

DEFAULT	UBI_IS_XPT_165LUP	FN:271	PRODUCER	24-Jan-2011 22:17	12880.5 FT	11102.7 FT

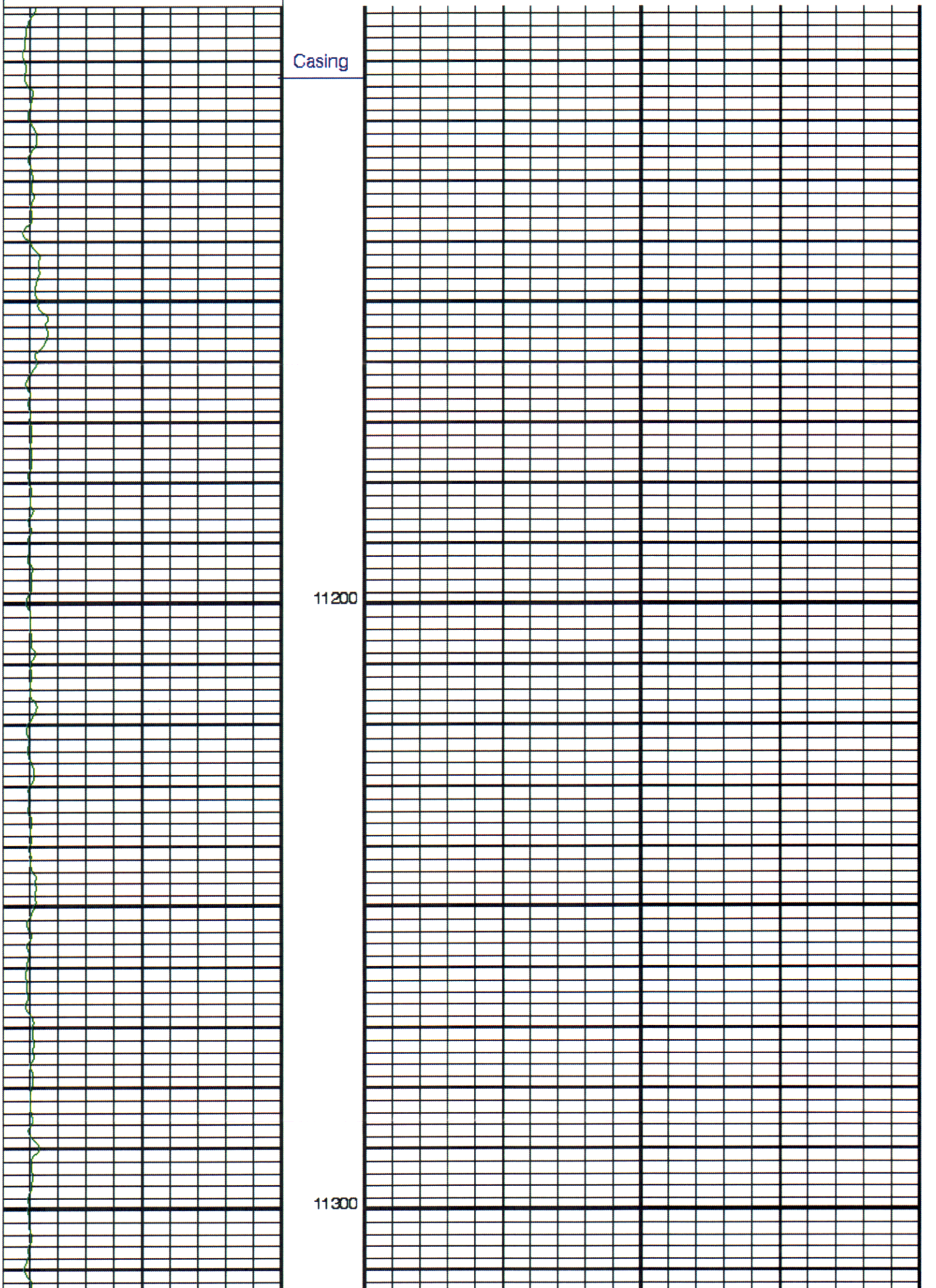
Output DLIS Files

DEFAULT	UBI_IS_XPT_167PUP	FN:273	PRODUCER	25-Jan-2011 02:48	12878.5 FT	11101.0 FT
RTBU	UBI_IS_XPT_167PUP	FN:274	PRODUCER	25-Jan-2011 02:48	12878.5 FT	11101.0 FT

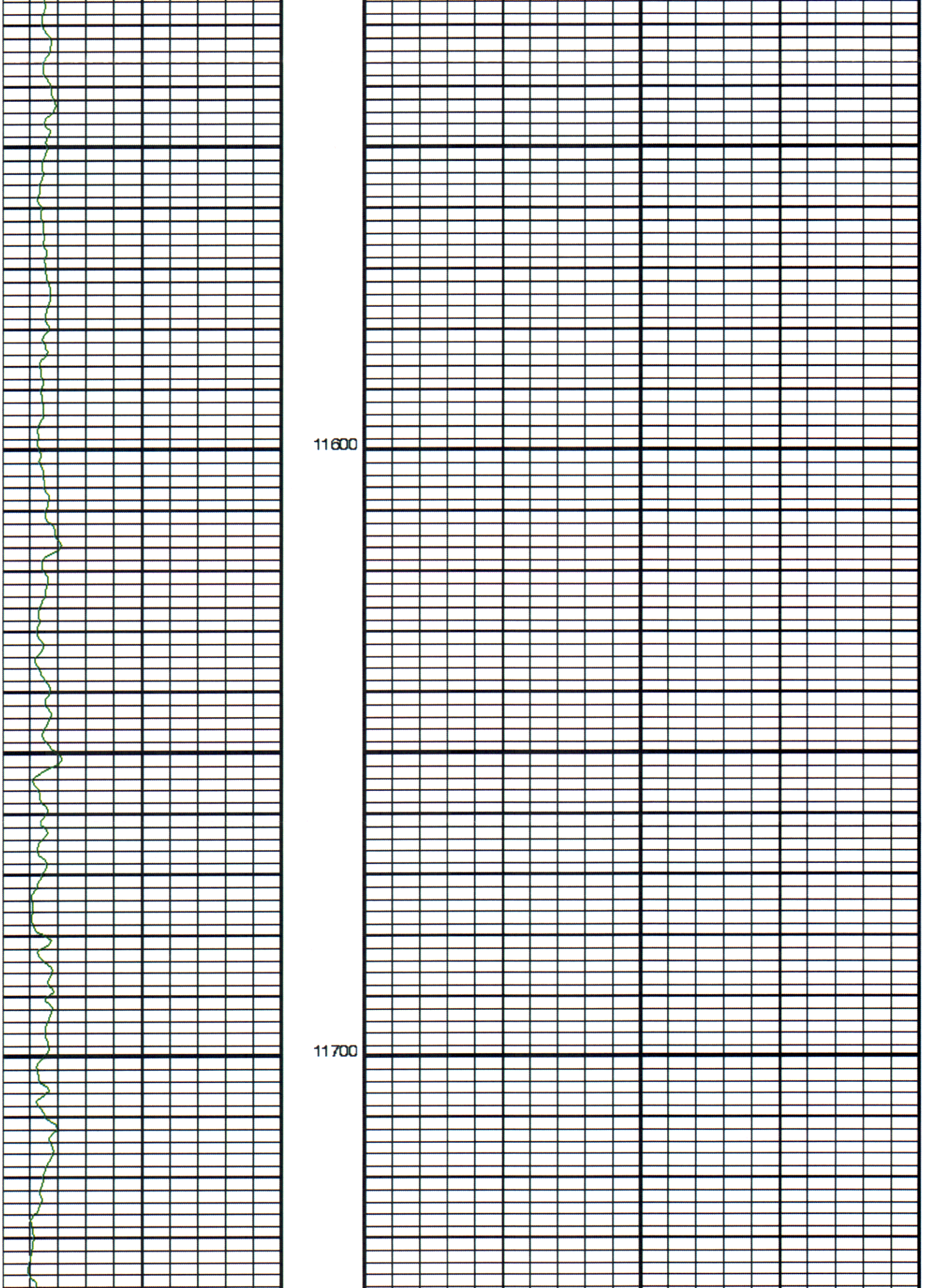
OP System Version: 19C0-187

UBI-D	19C0-187	GPIT-F	19C0-187
XPT-BA	19C0-187	EDTC-B	19C0-187

Gamma Ray (GR_EDTC)		
0	(GAPI)	150


Casing
11200
11300

REC'D OCT 14 2011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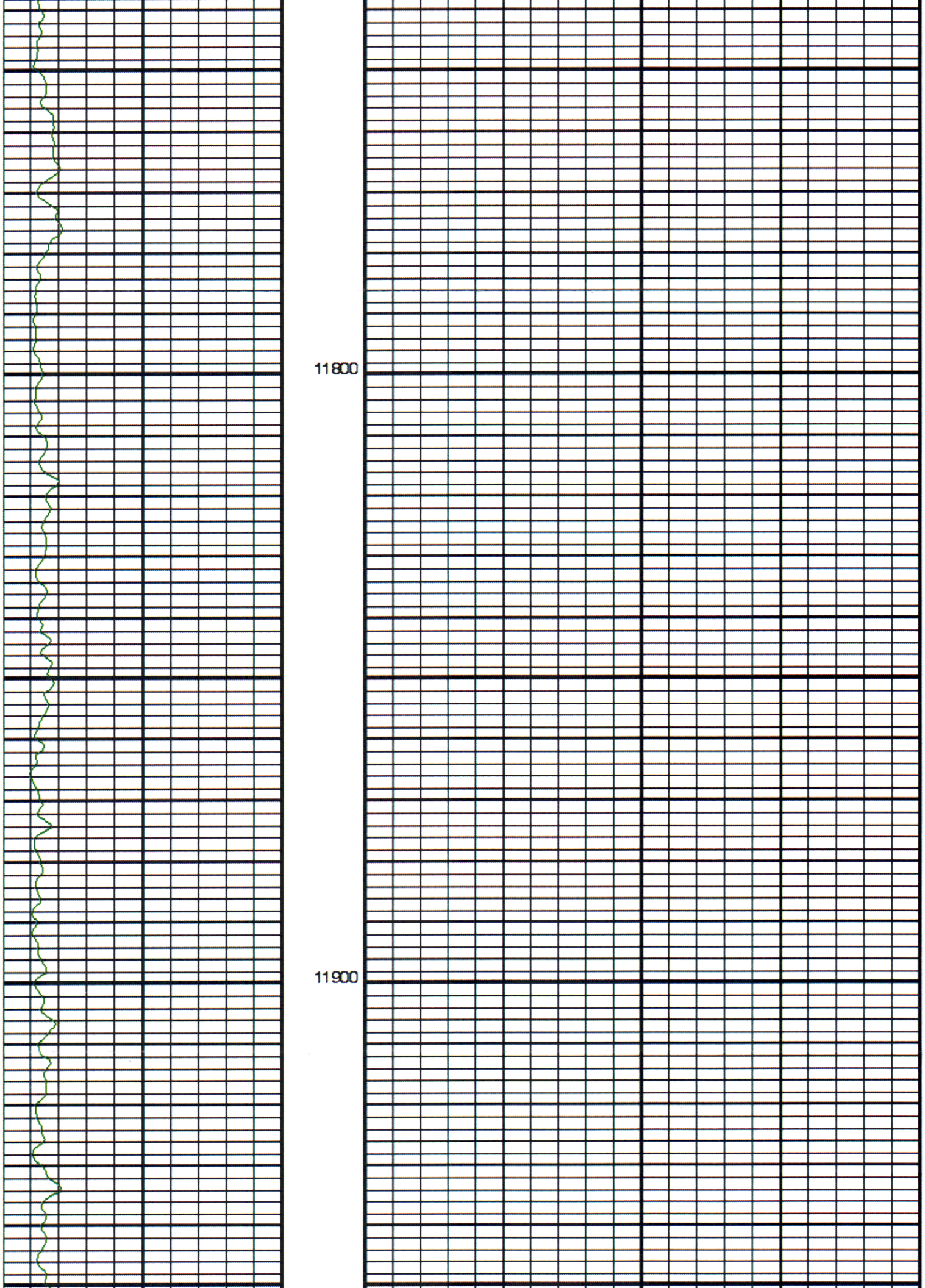
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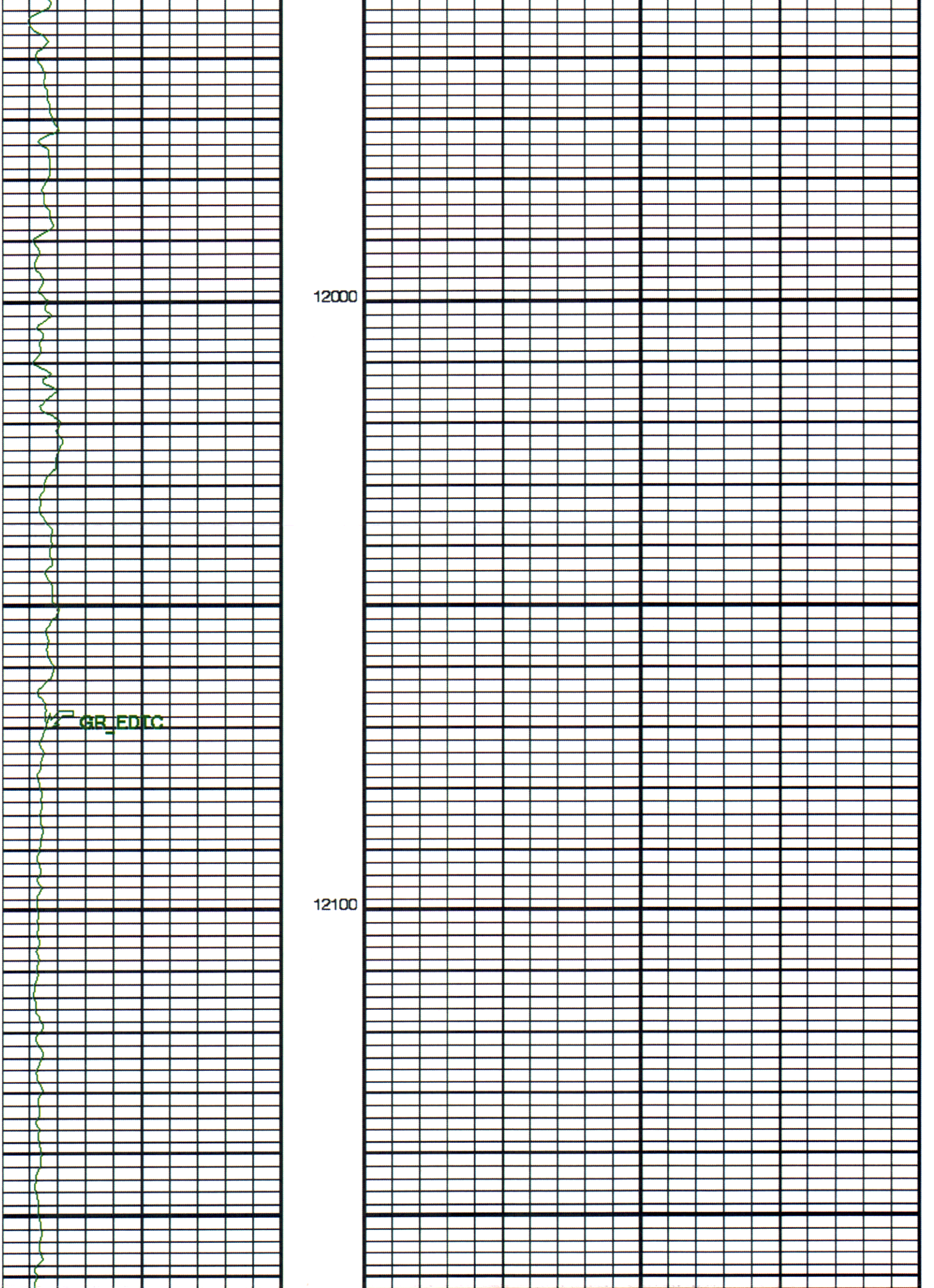
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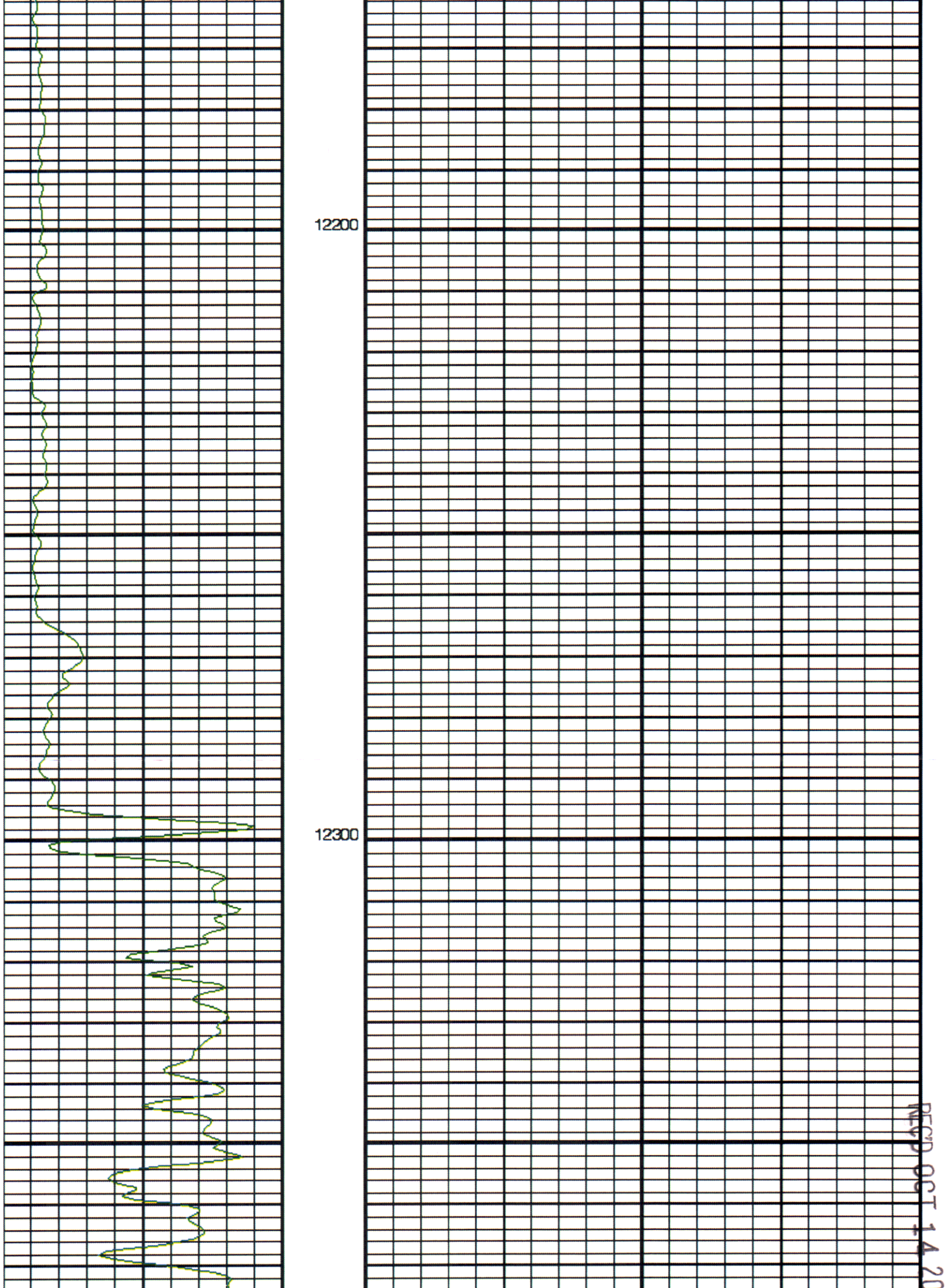
GR_EDTC



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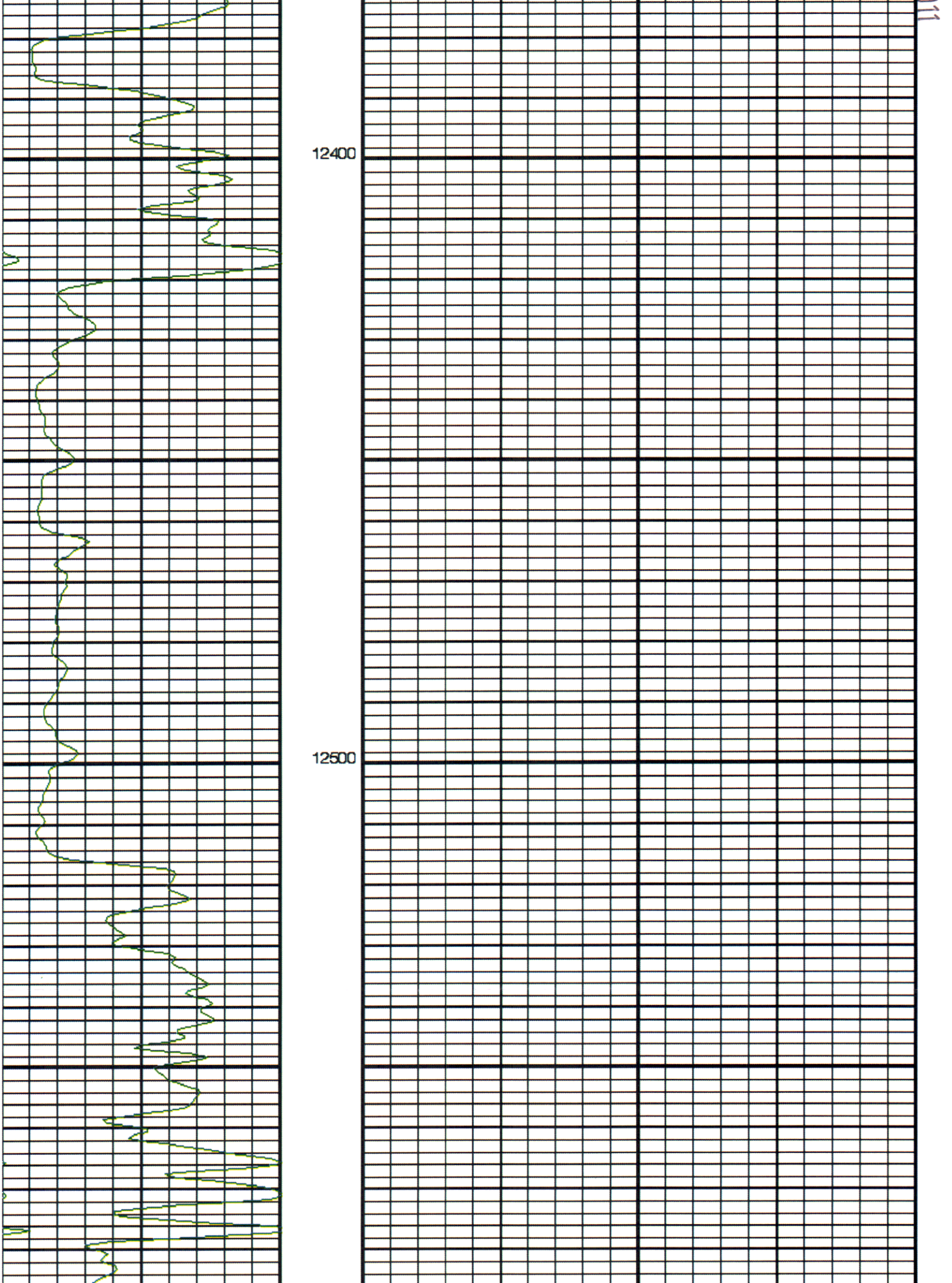
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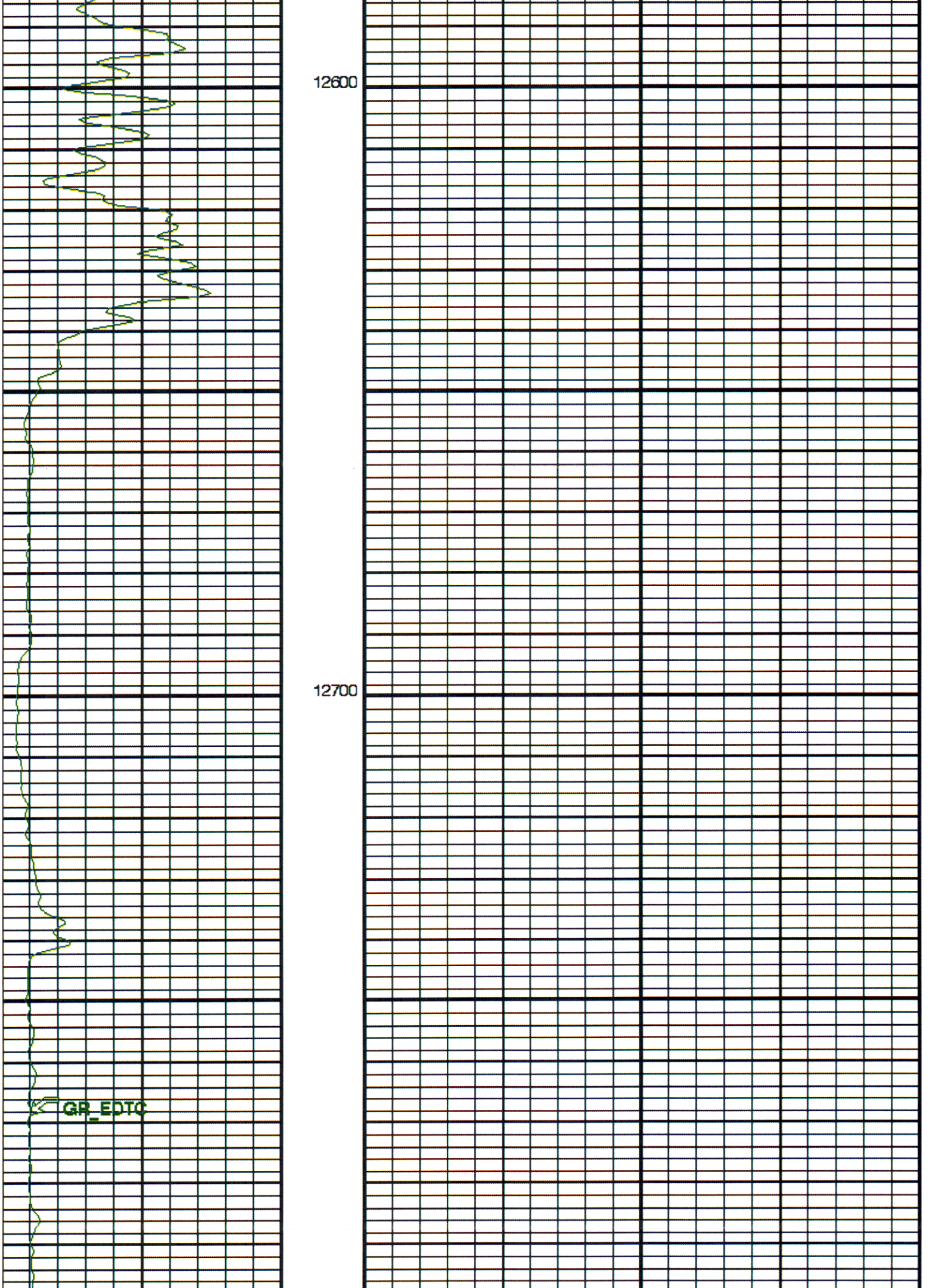
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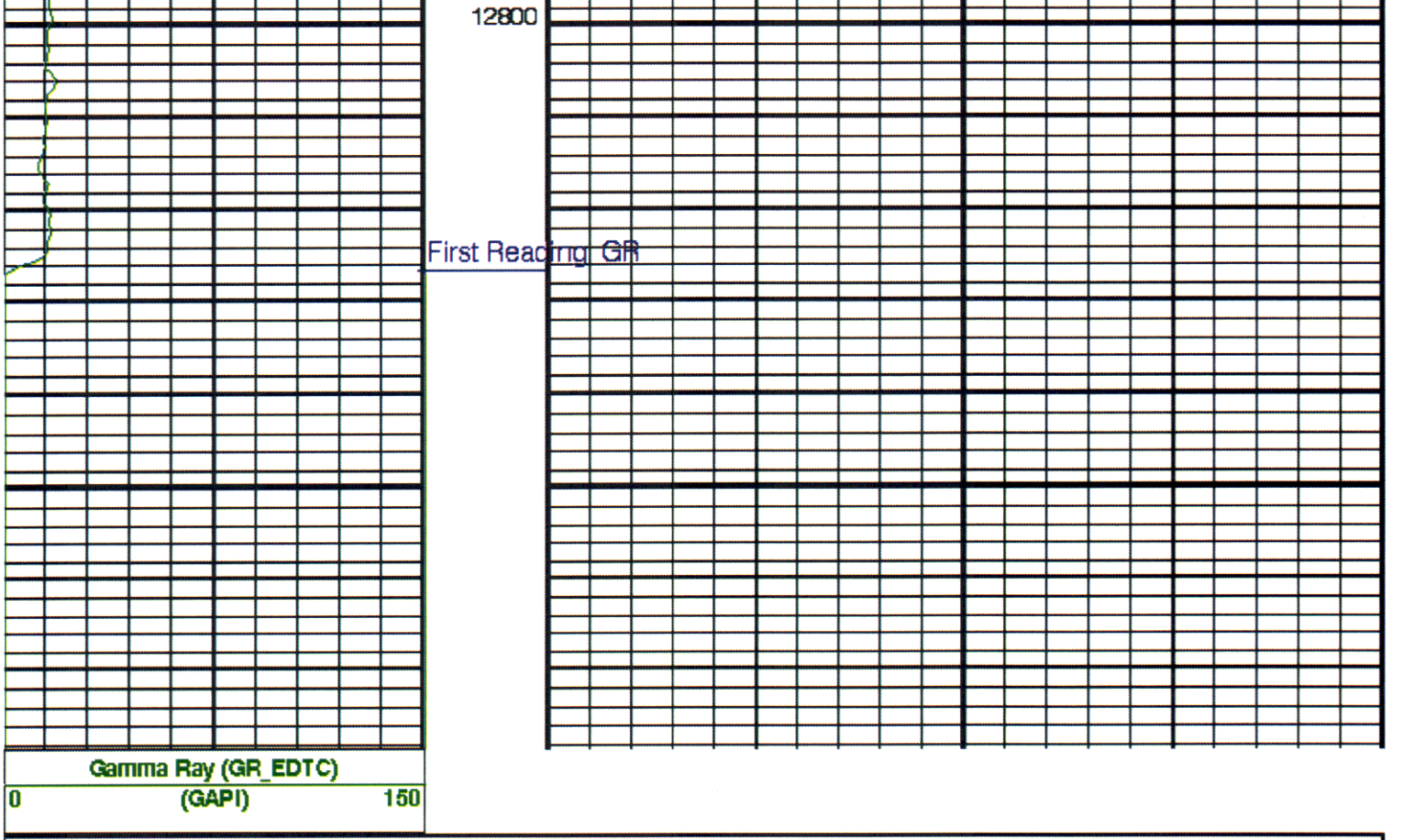

Parameters

DLIS Name	Description	Value
	DIR: Directional Survey Computation	
SPVD	TVD of Starting Point	0 FT
TIMD	Along-hole depth of Tie-in Point	0 FT
TIVD	TVD of Tie-in Point	0 FT
	System and Miscellaneous	
DO	Depth Offset for Playback	-2.0 FT
PP	Playback Processing	NORMAL

Format: CORRELATION_EDTCB Vertical Scale: 5" per 100' Graphics File Created: 25-Jan-2011 02:48

OP System Version: 19C0-187

UBI-D	19C0-187	GPIT-F	19C0-187
XPT-BA	19C0-187	EDTC-B	19C0-187

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Output DLIS Files

DEFAULT	UBI_IS_XPT_167PUP	FN:273	PRODUCER	25-Jan-2011 02:48		
RTBU	UBI_IS_XPT_167PUP	FN:274	PRODUCER	25-Jan-2011 02:48		

Input DLIS Files

DEFAULT	UBI_IS_XPT_165LUP	FN:271	PRODUCER	24-Jan-2011 22:17	12880.5 FT	11102.7 FT

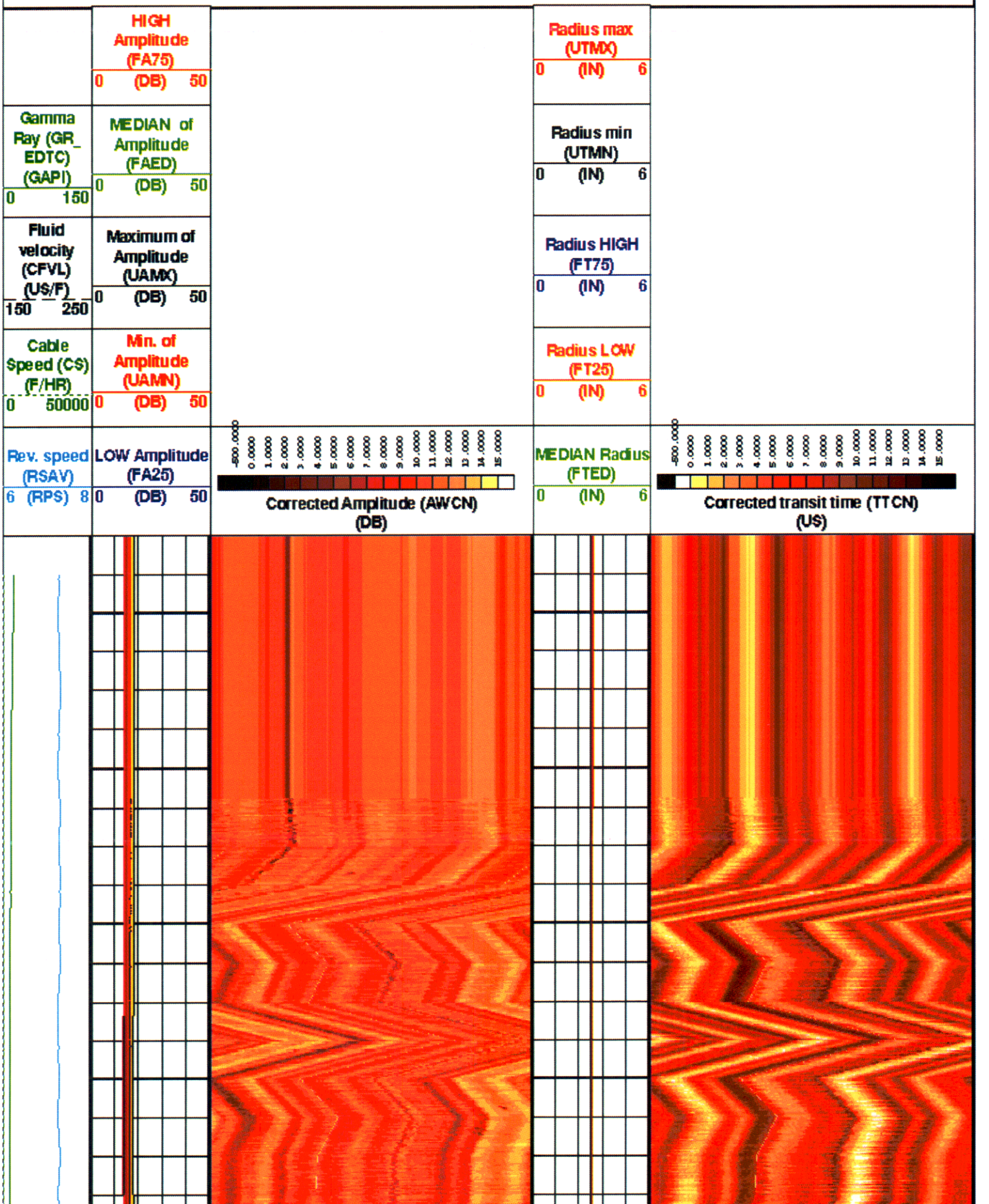
Output DLIS Files

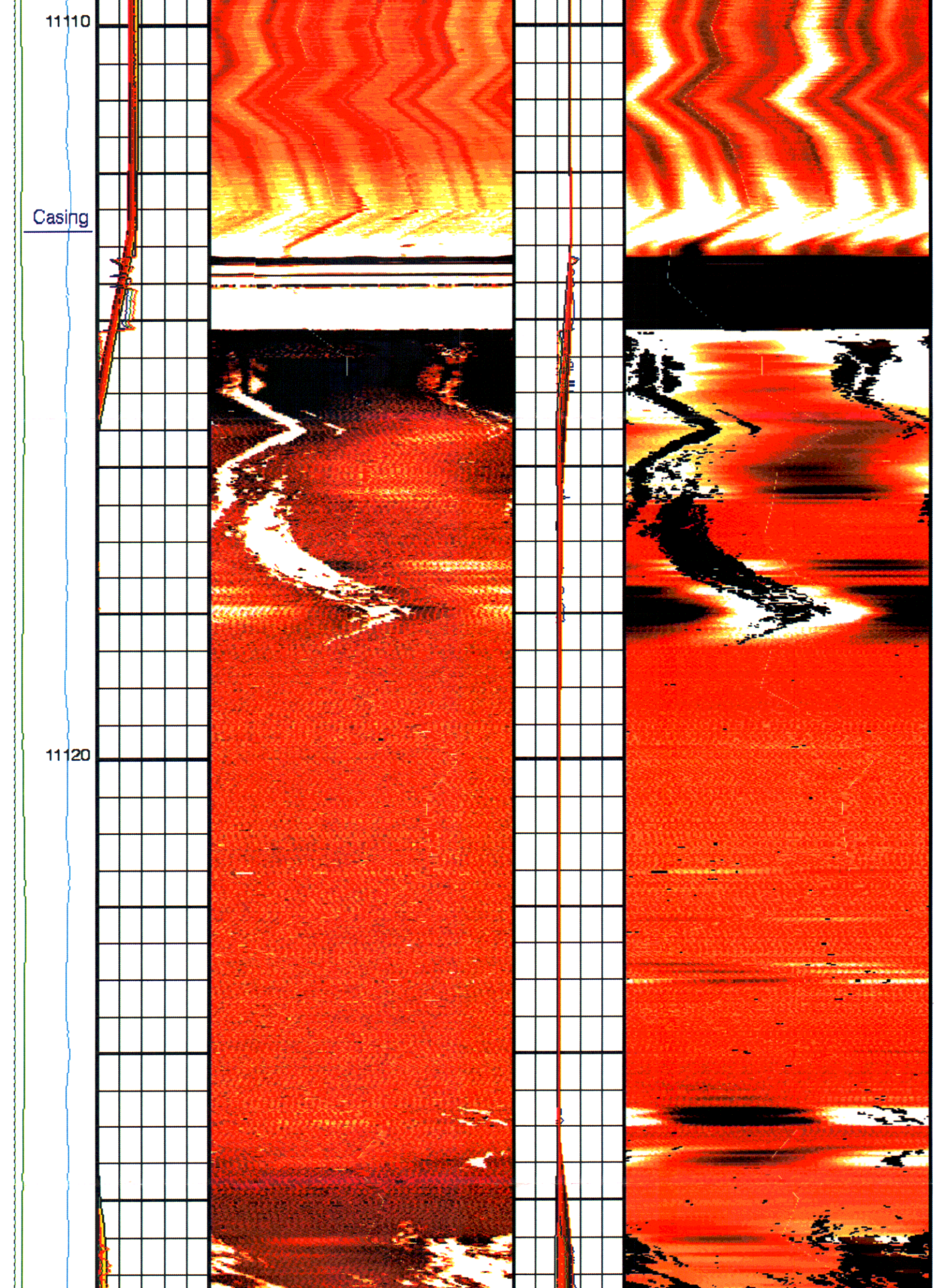
DEFAULT	UBI_IS_XPT_167PUP	FN:273	PRODUCER	25-Jan-2011 02:48	12878.5 FT	11101.0 FT

RTBU | UBI_IS_XPT_167PUP | FN:274 | PRODUCER | 25-Jan-2011 02:48 | 12878.5 FT | 11101.0 FT

OP System Version: 19C0-187

UBI-D	19C0-187	GPIT-F	19C0-187
XPT-BA	19C0-187	EDTC-B	19C0-187

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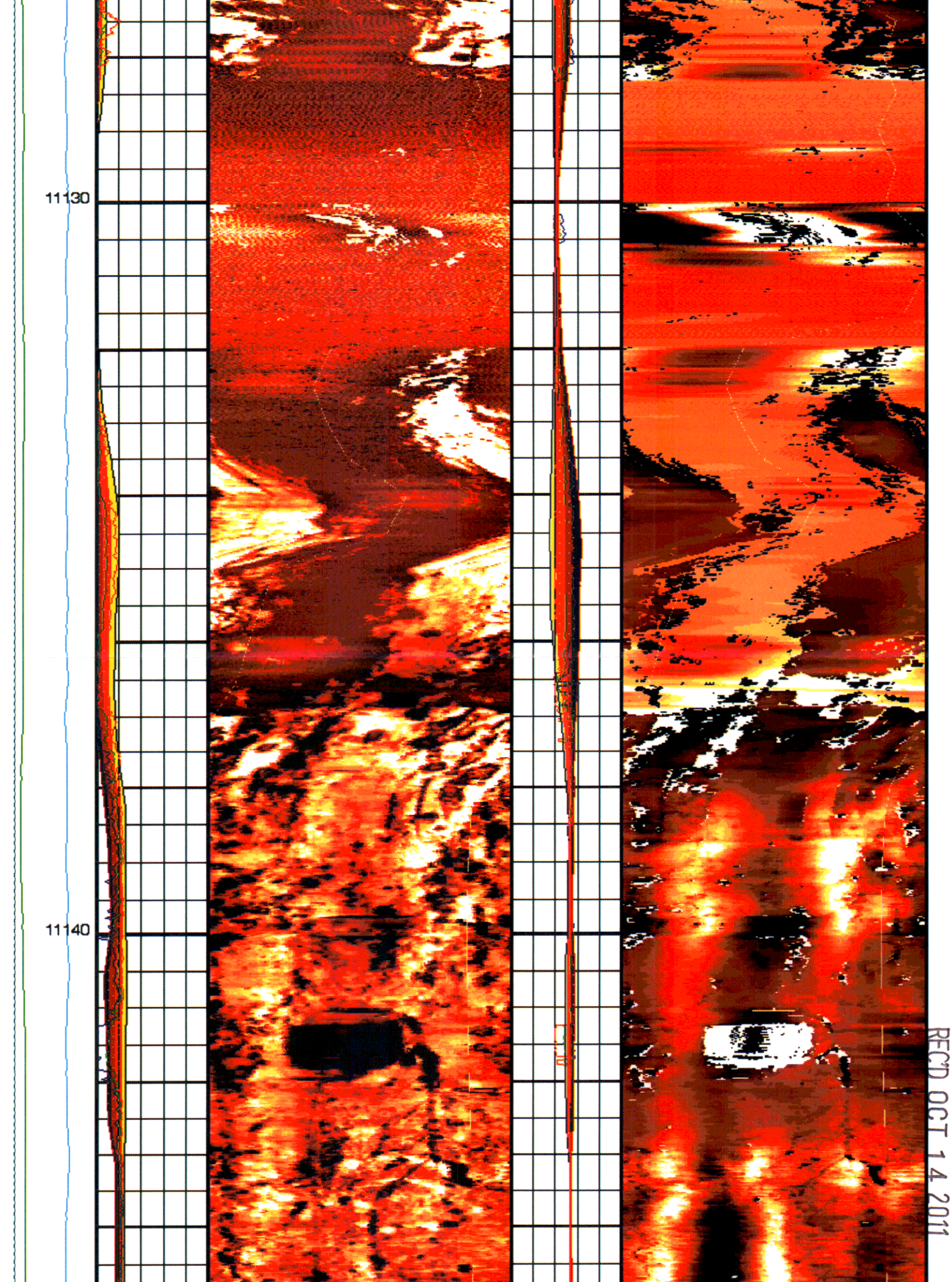

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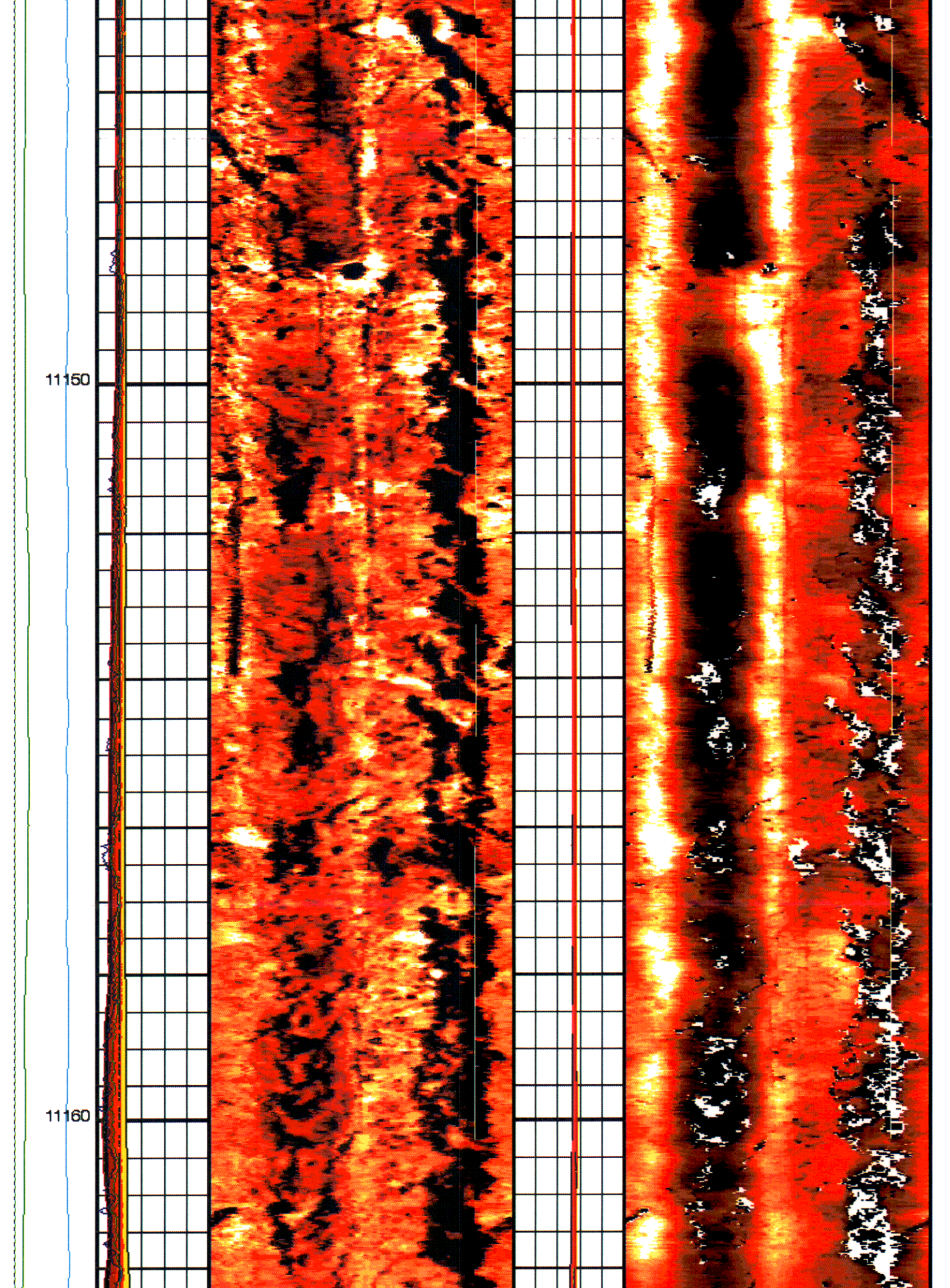
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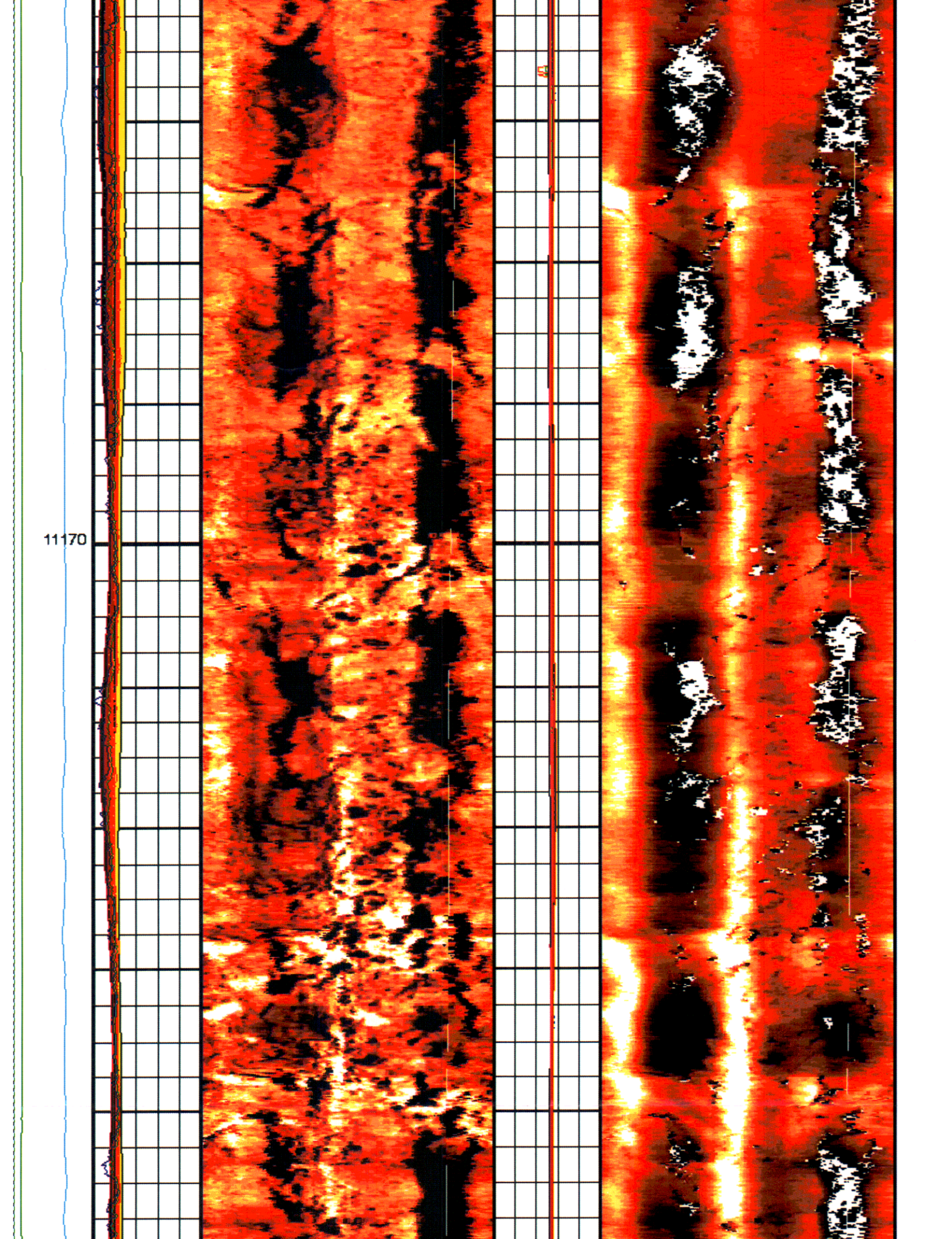
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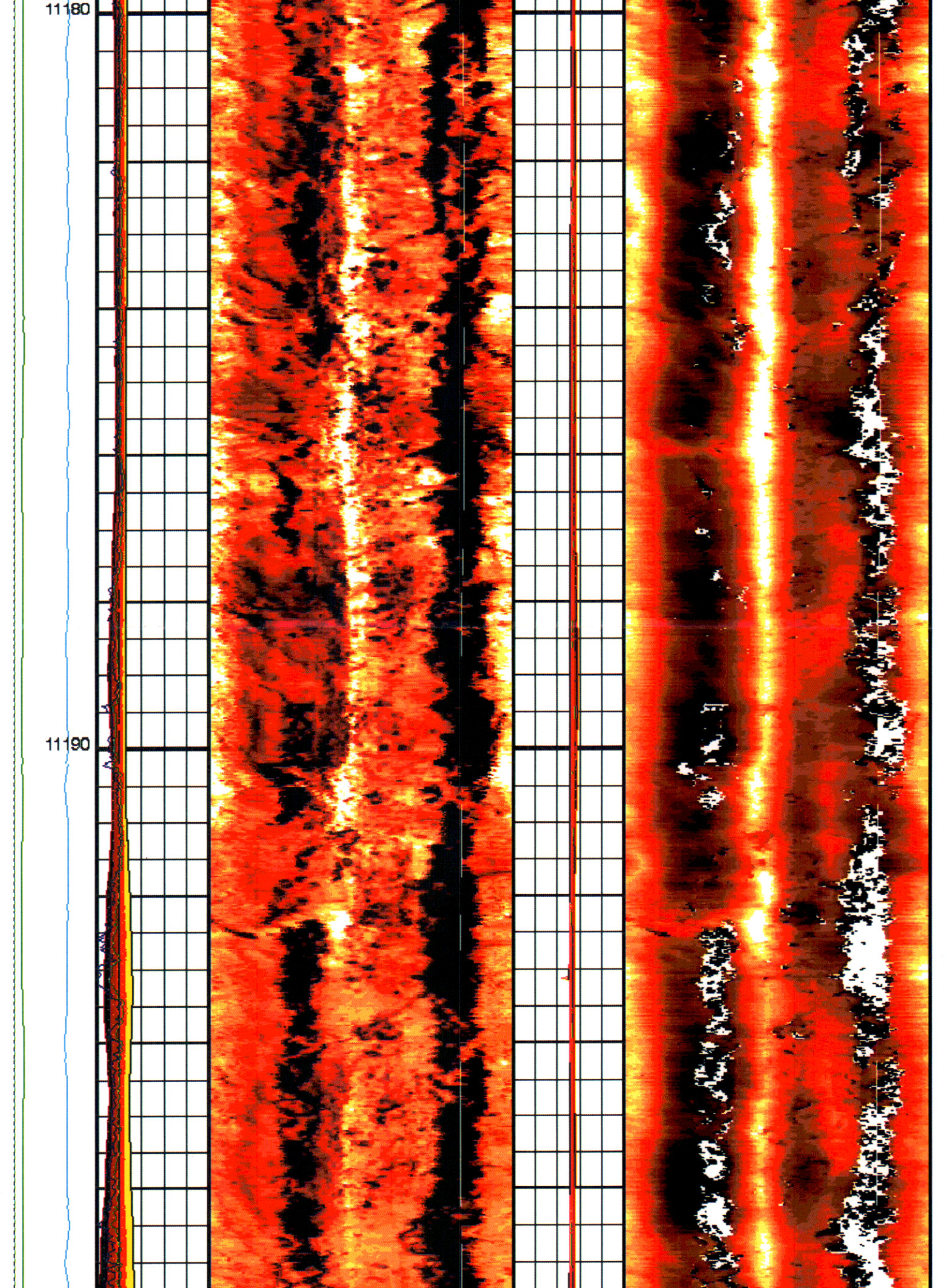
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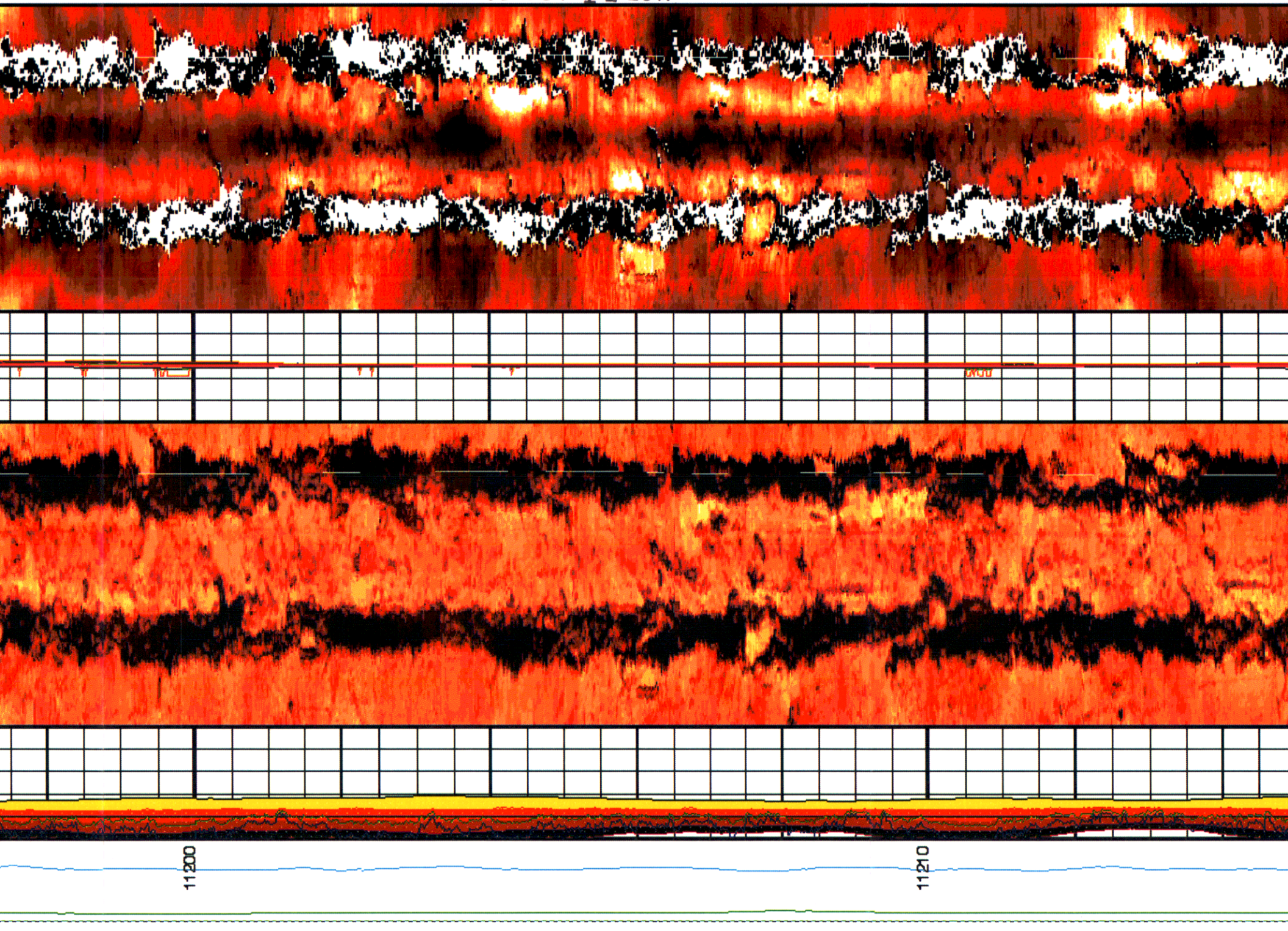

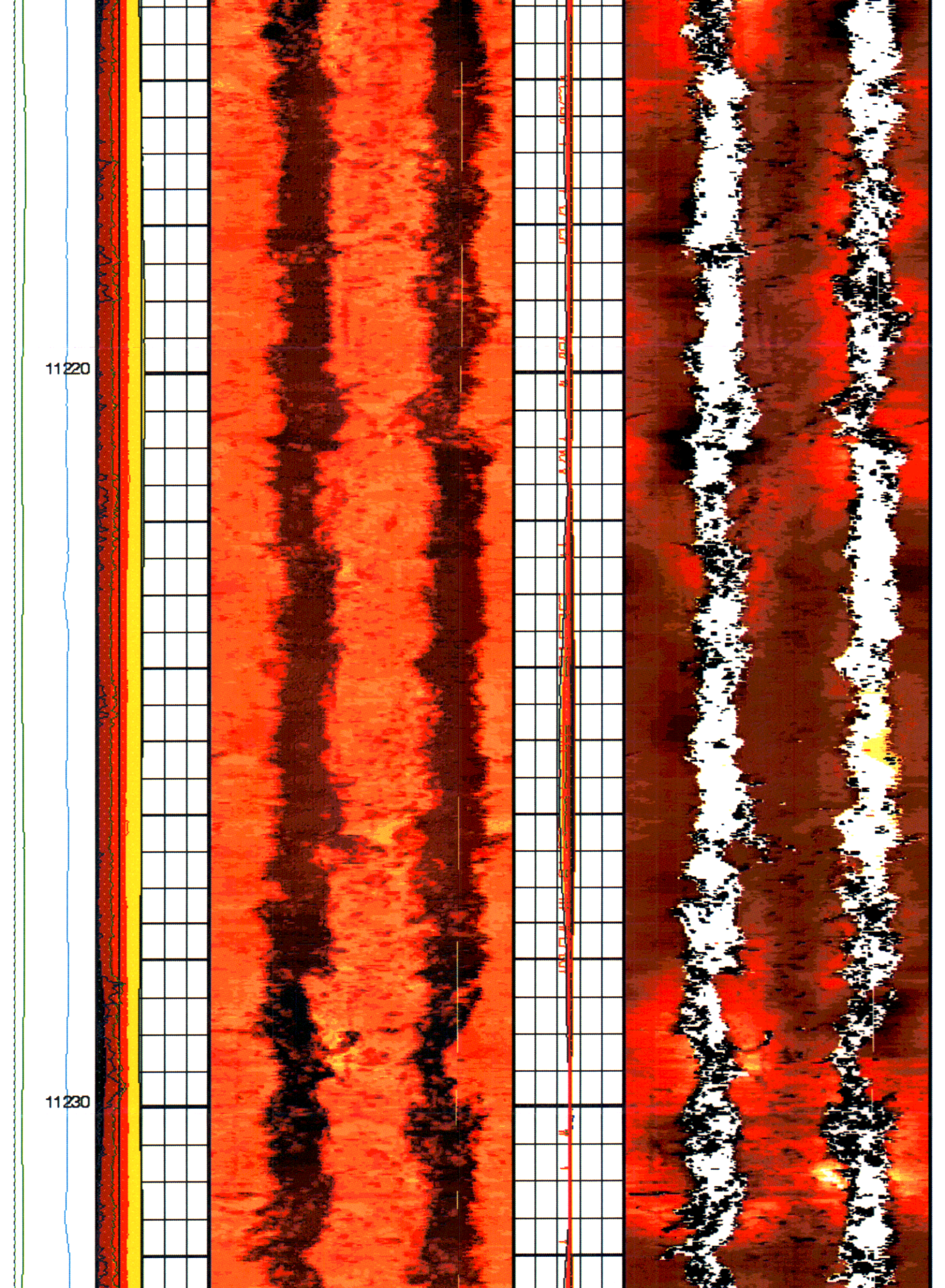
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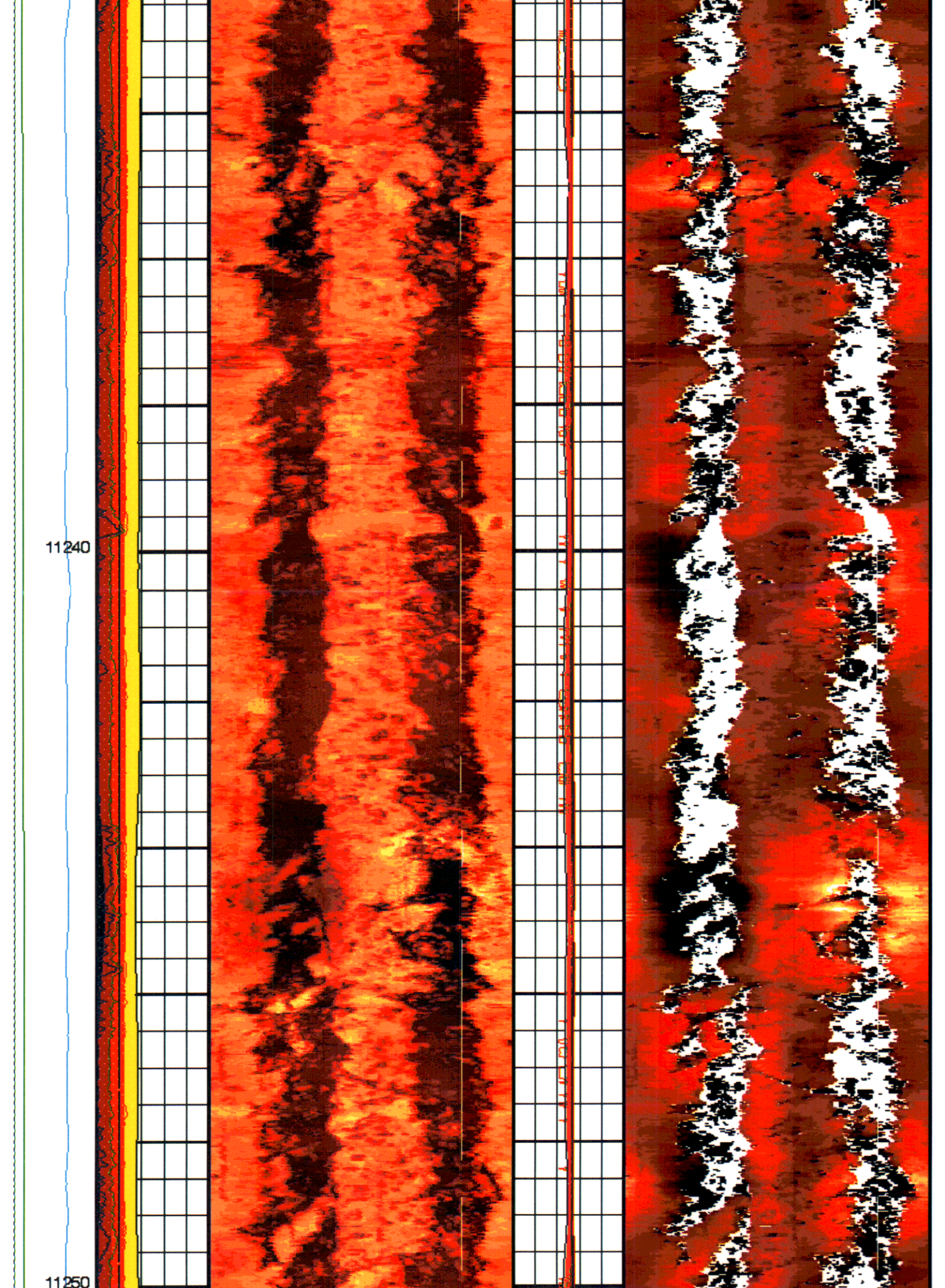
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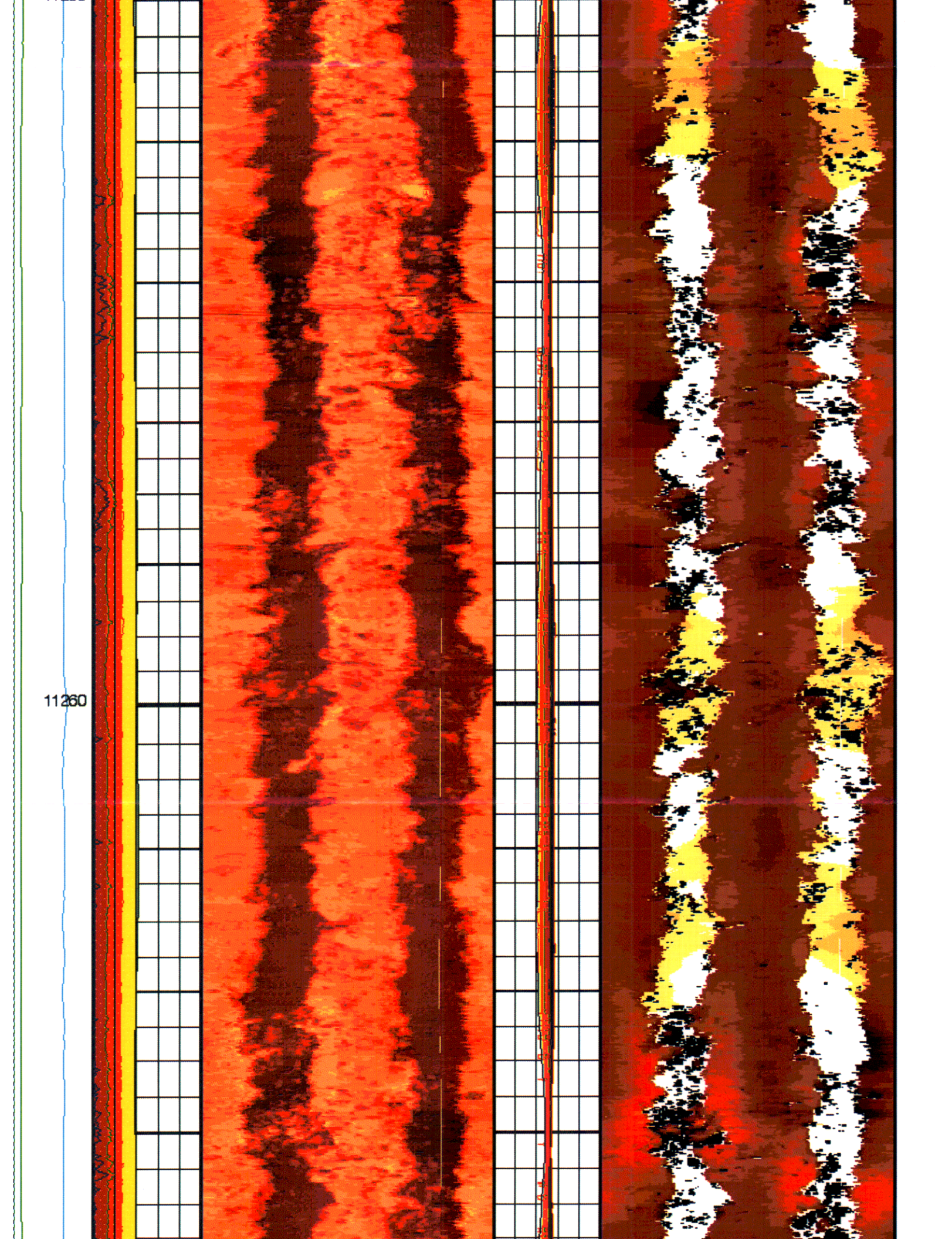
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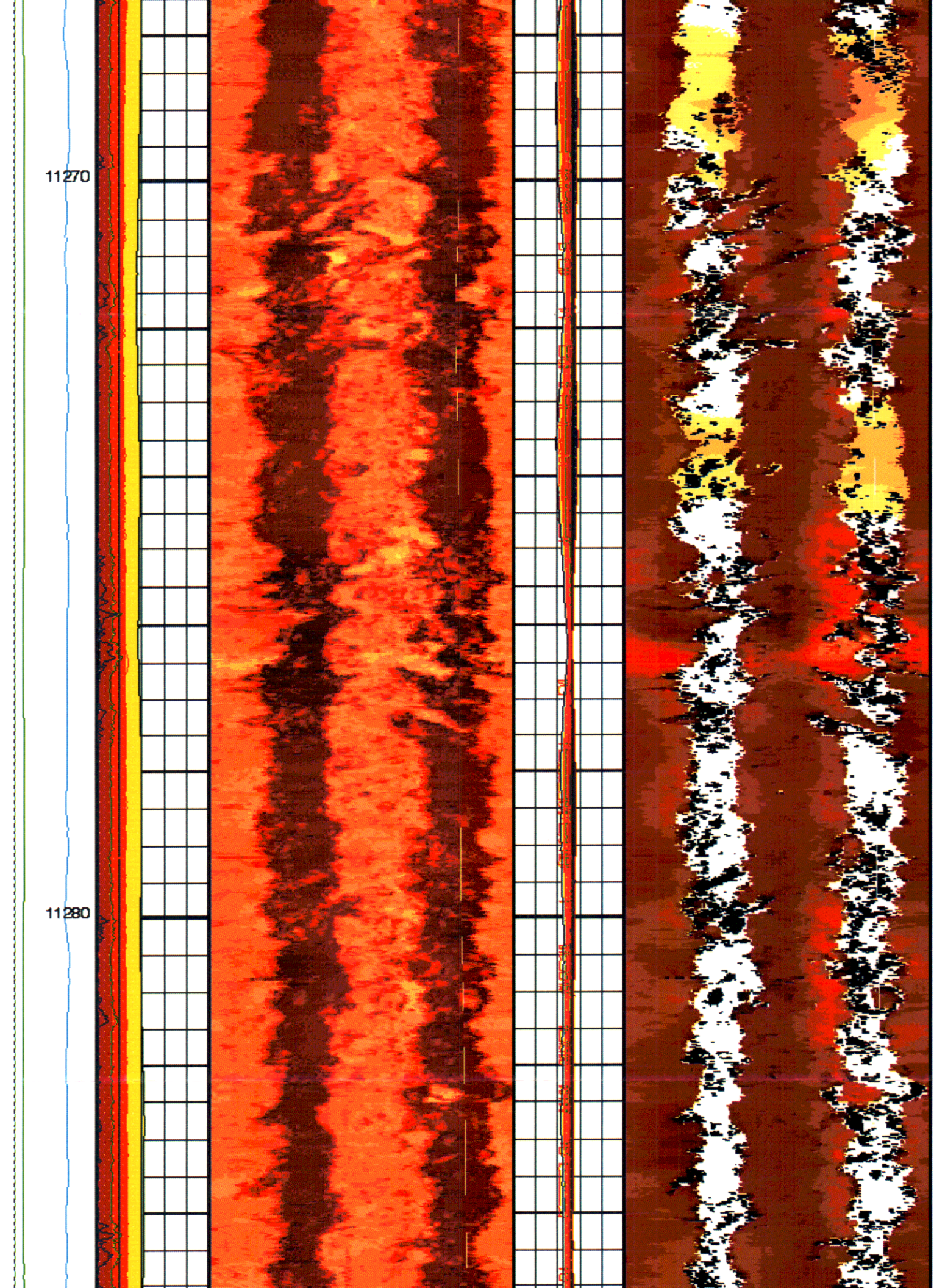
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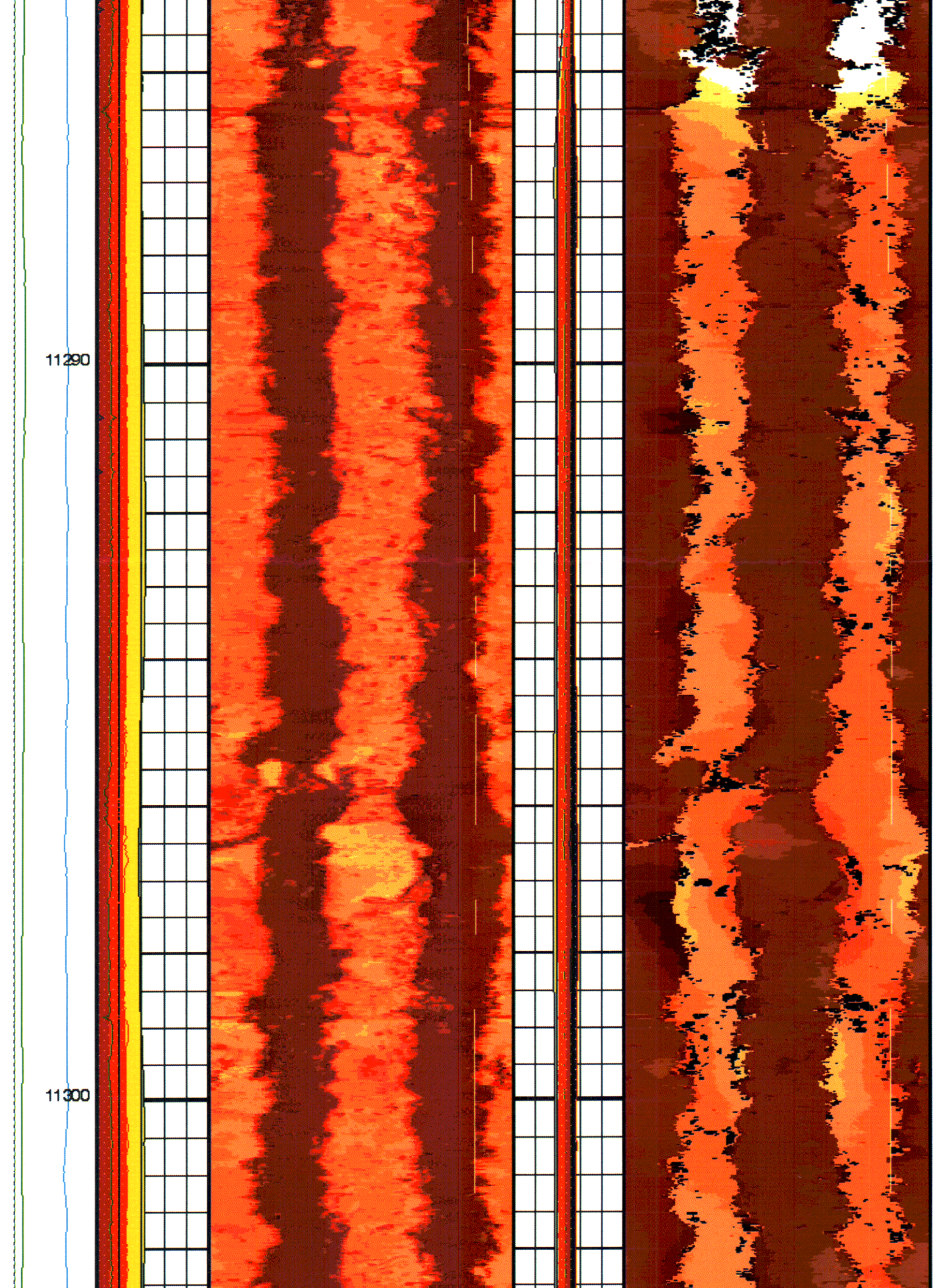
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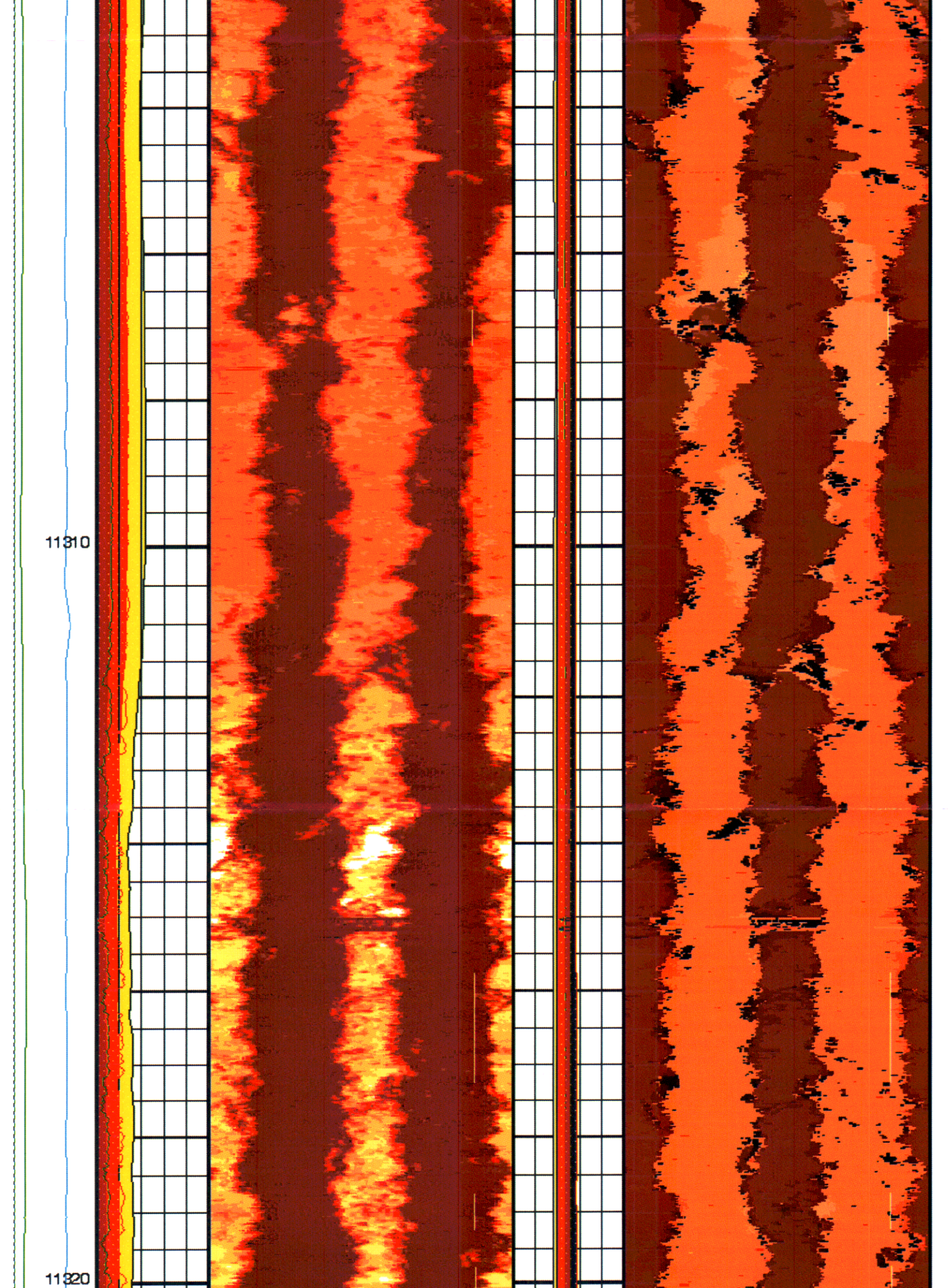
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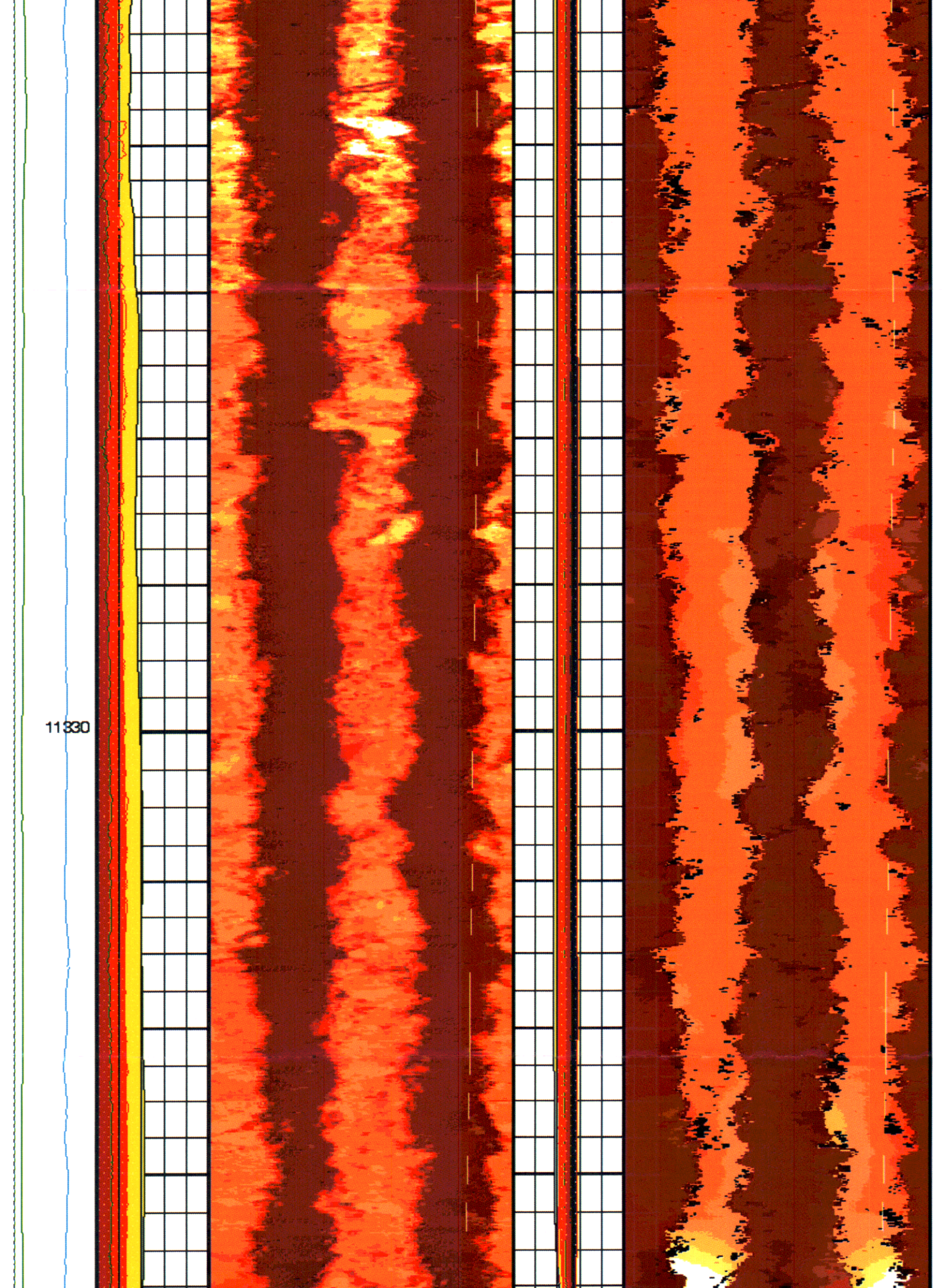
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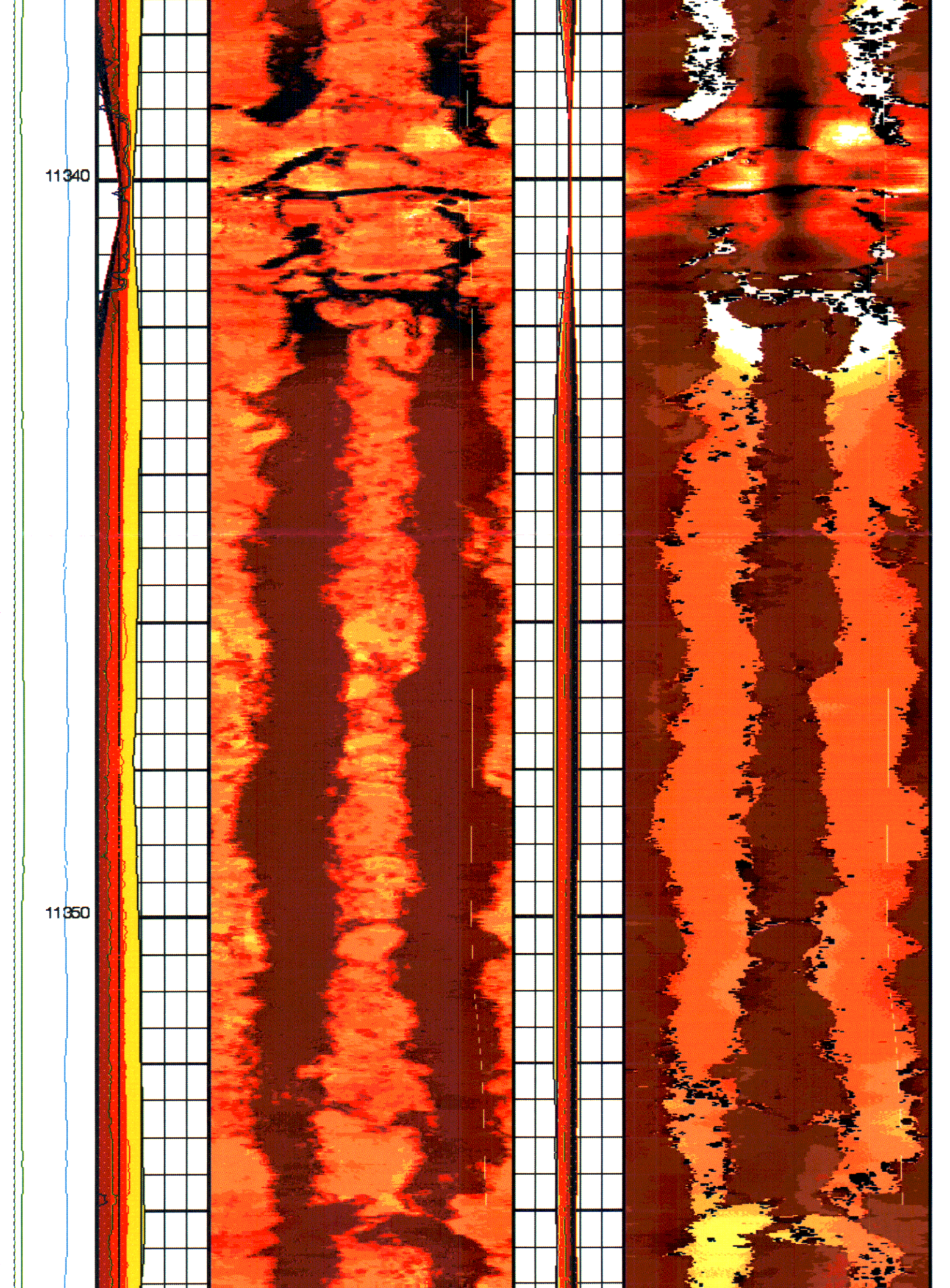
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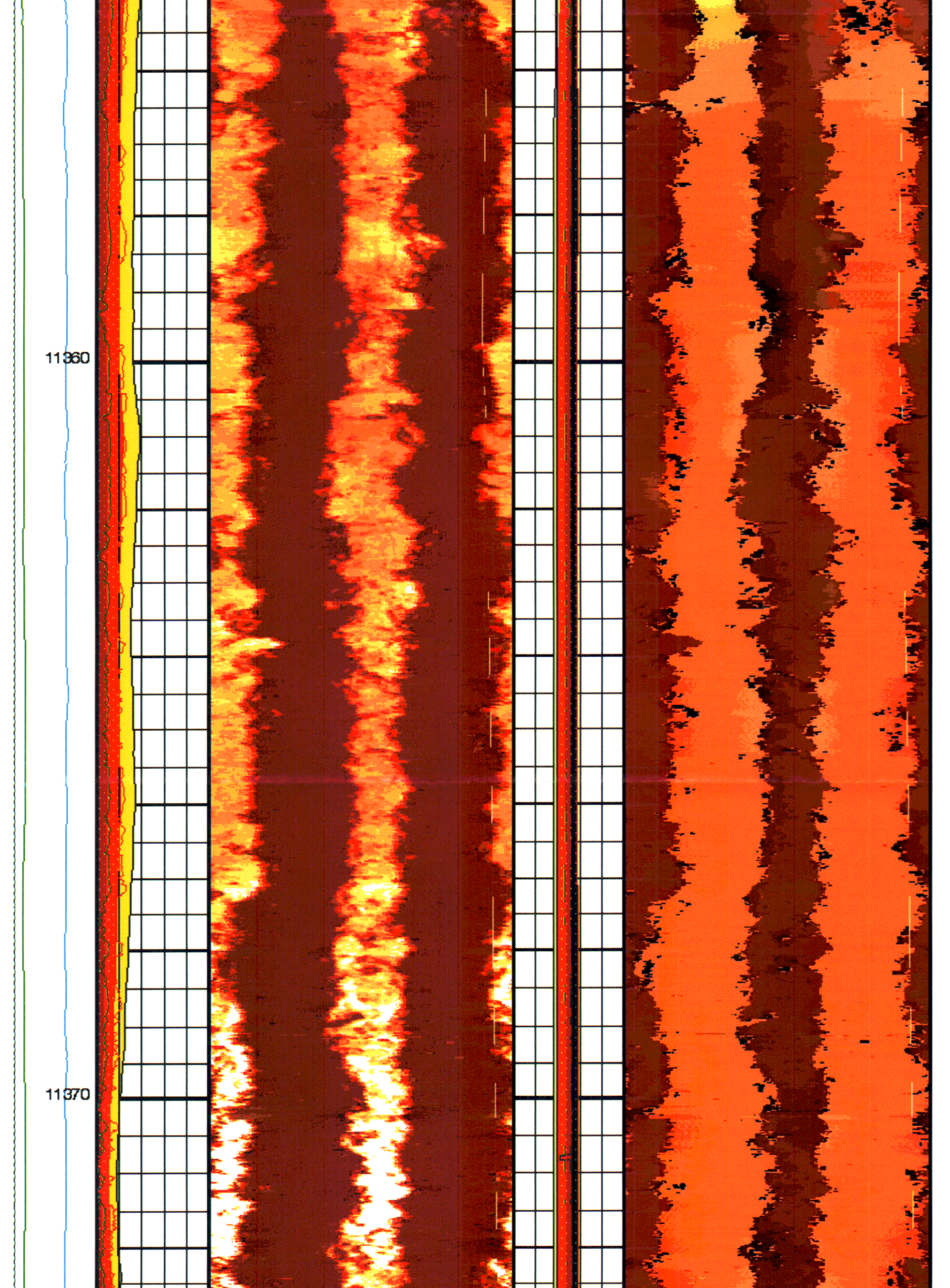
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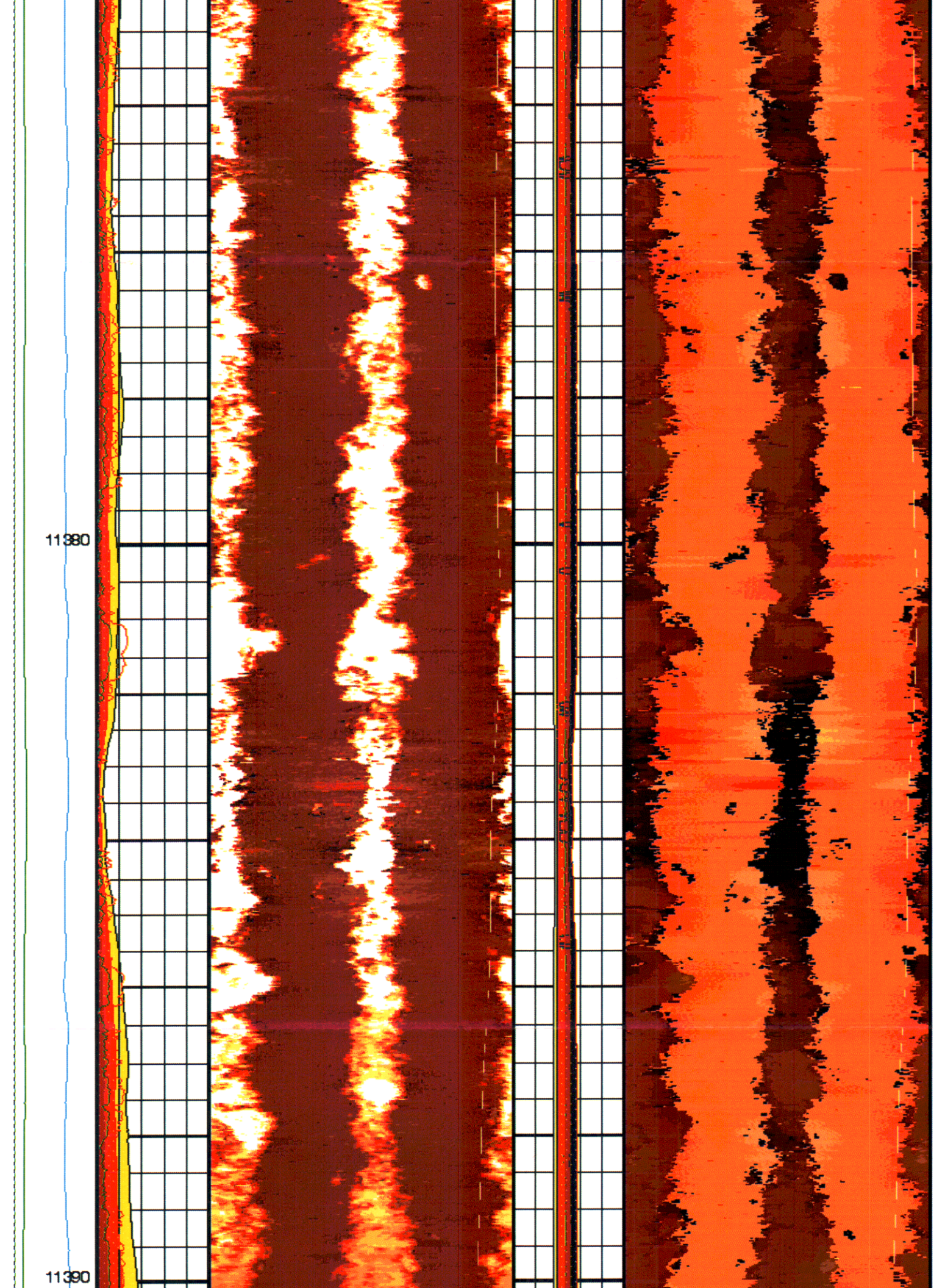
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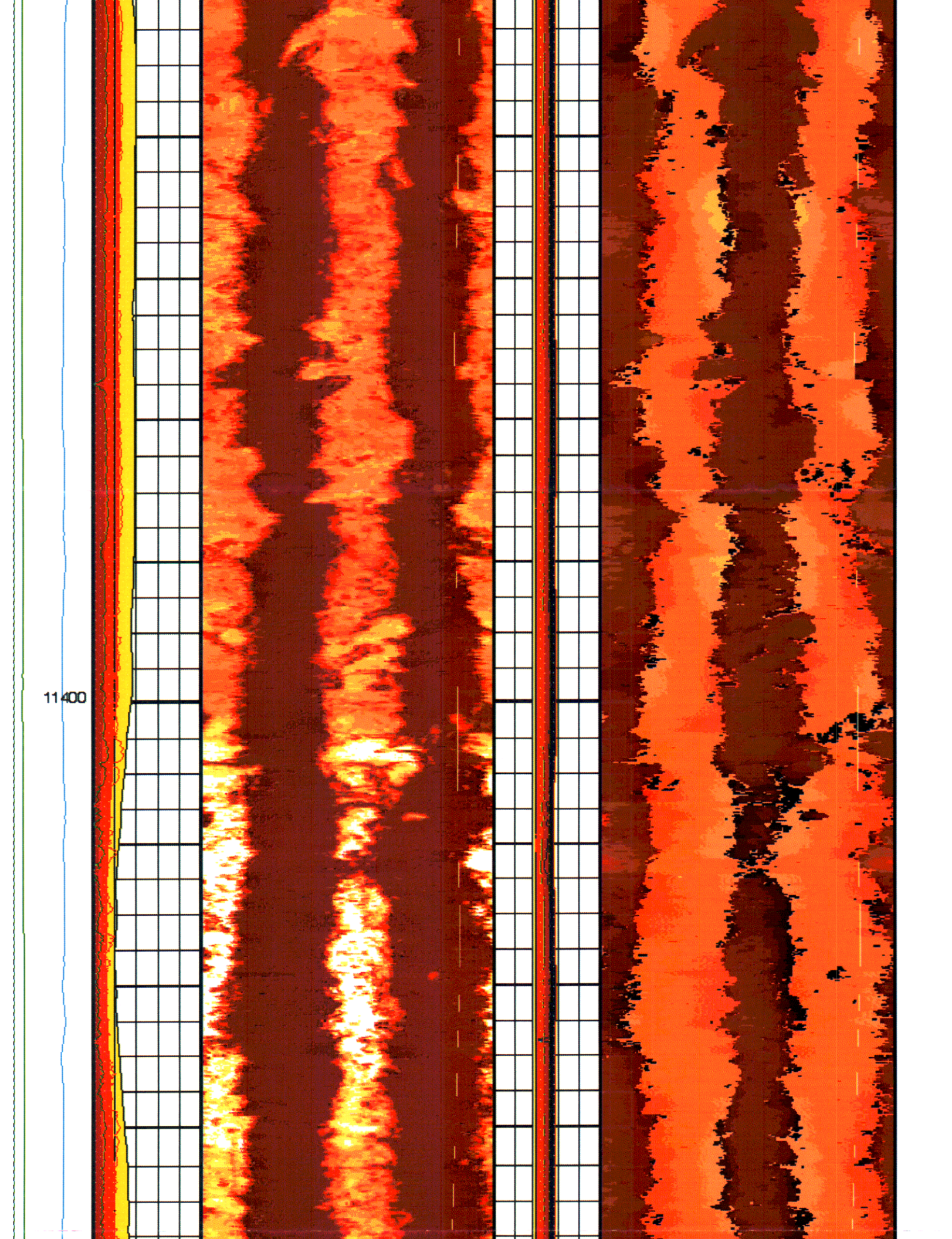
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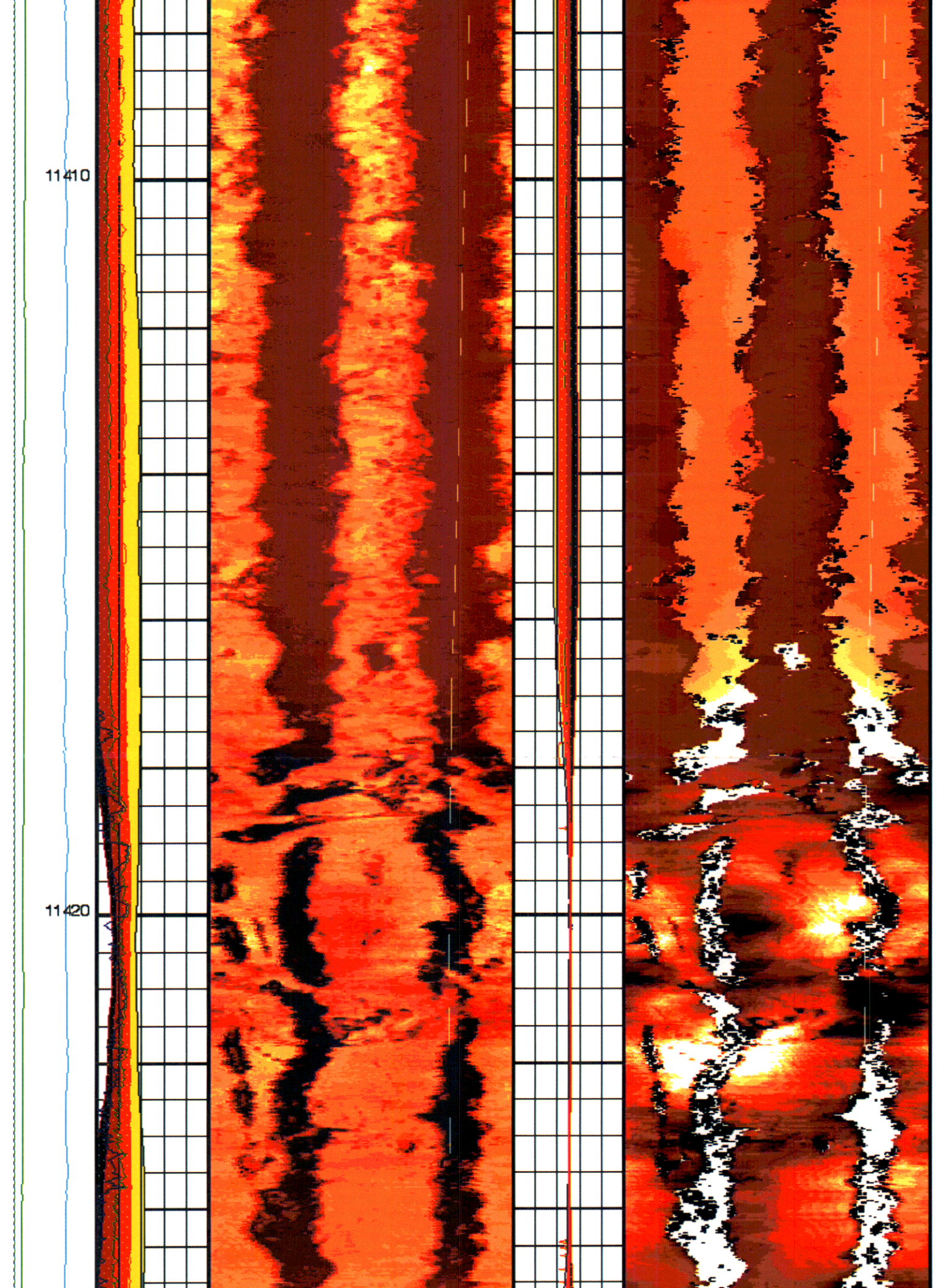
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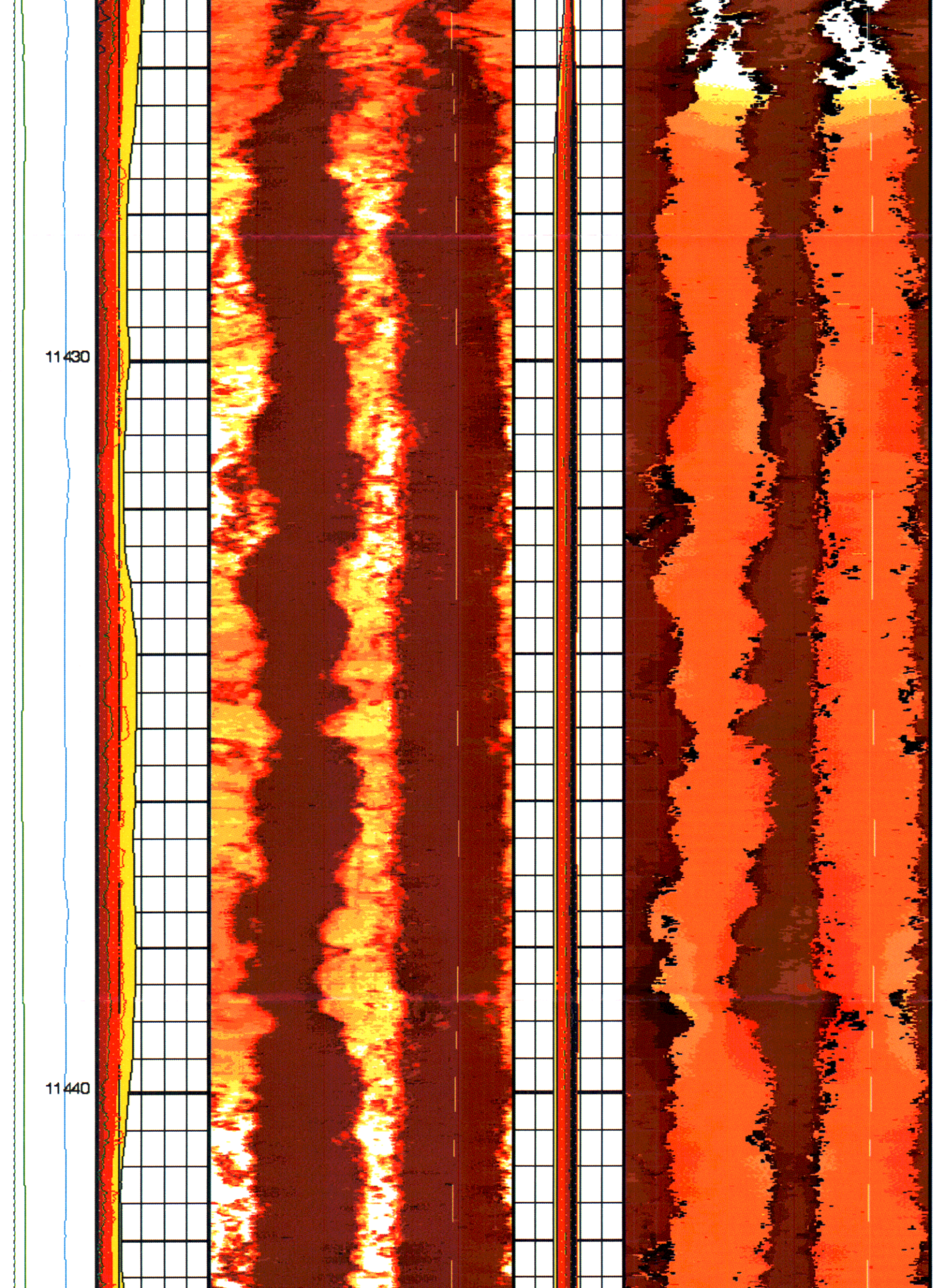
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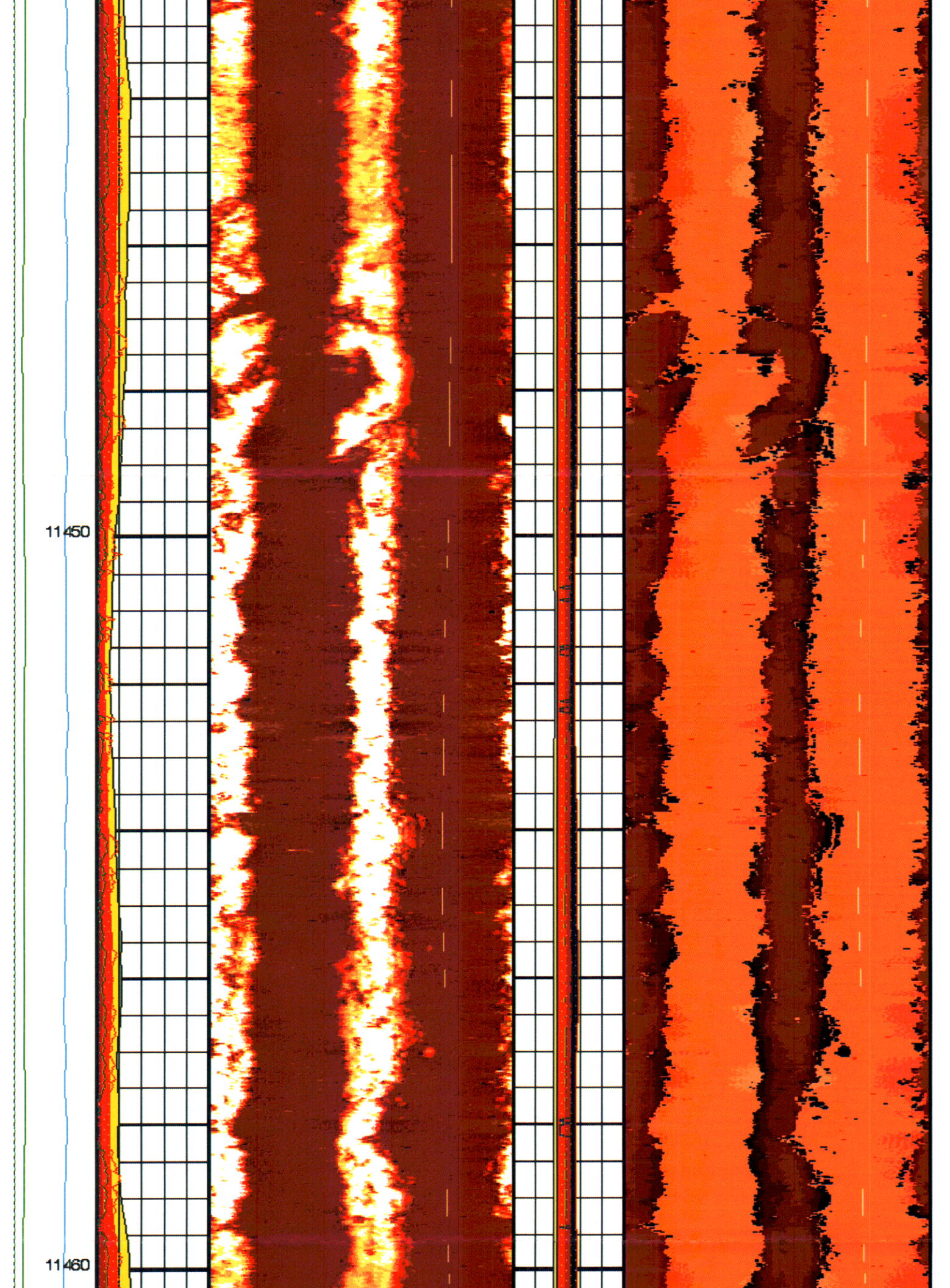
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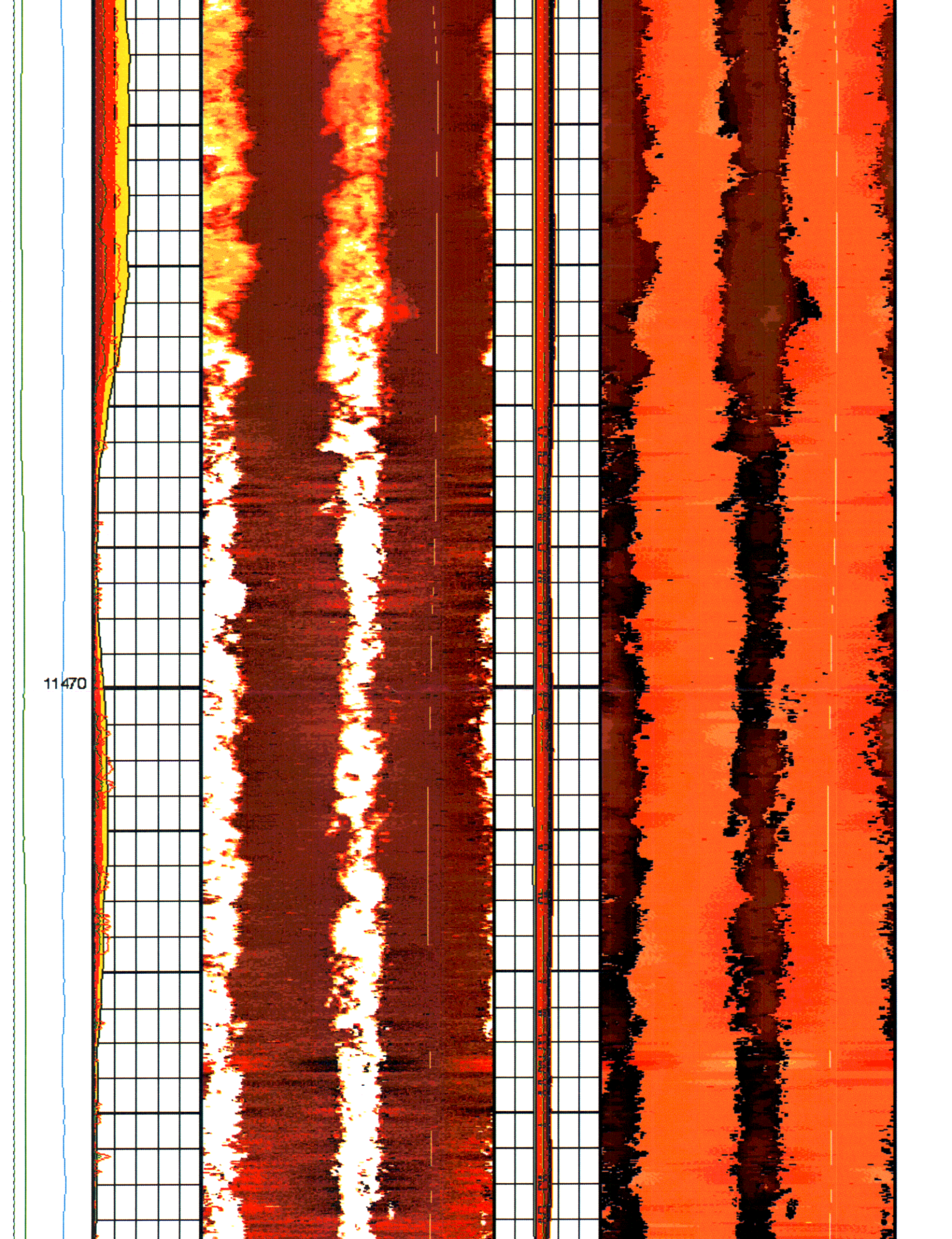
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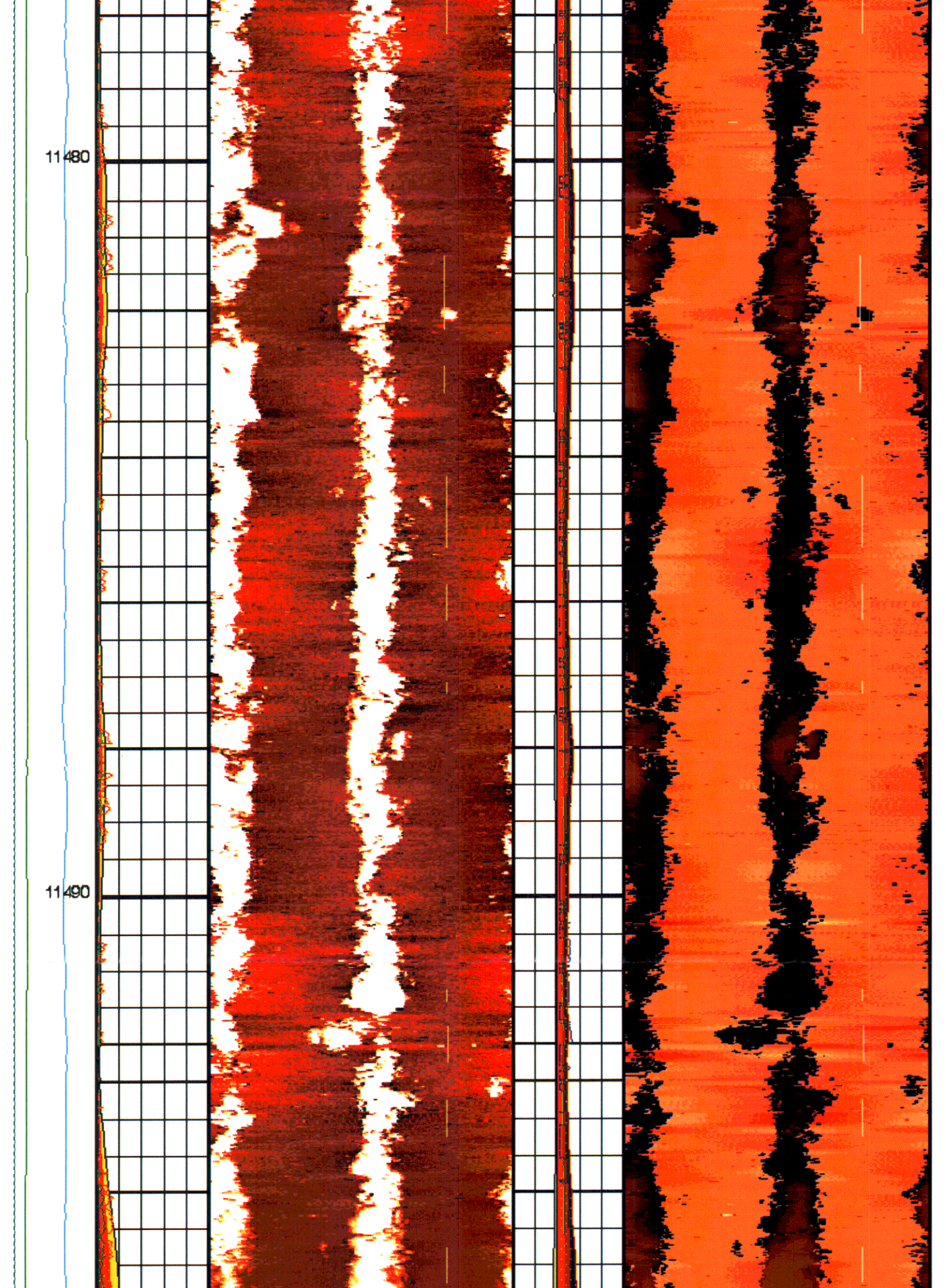
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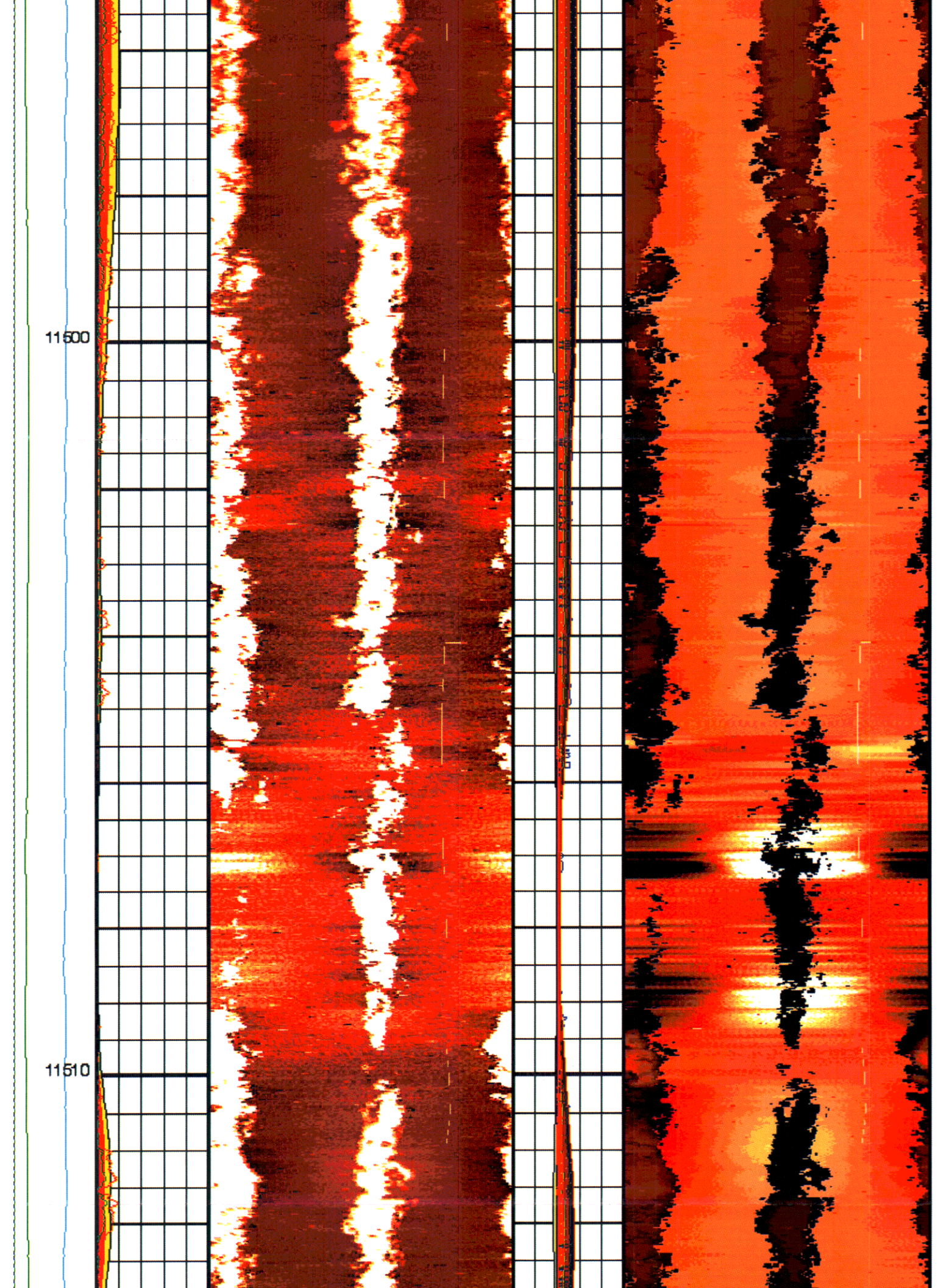
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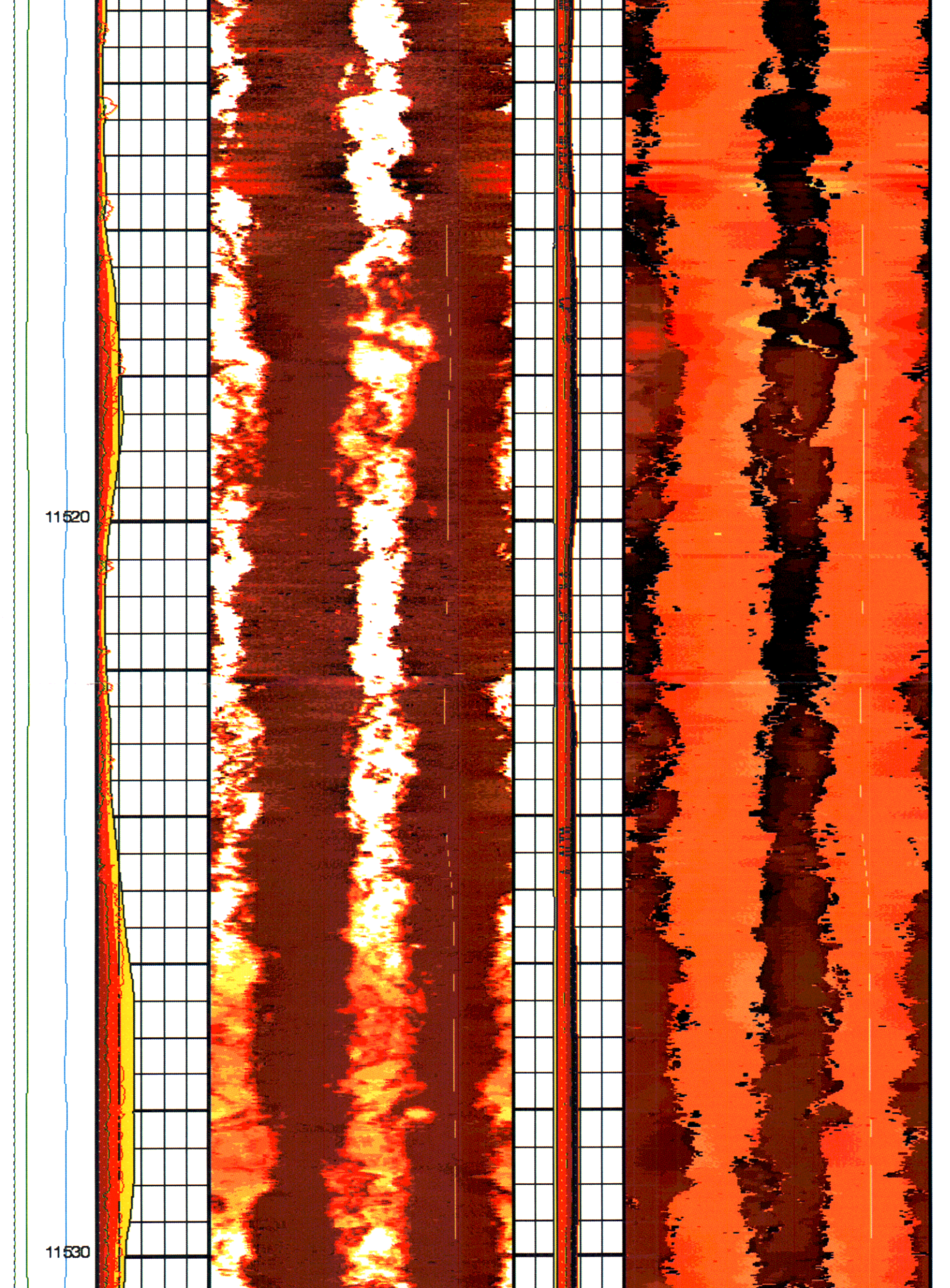
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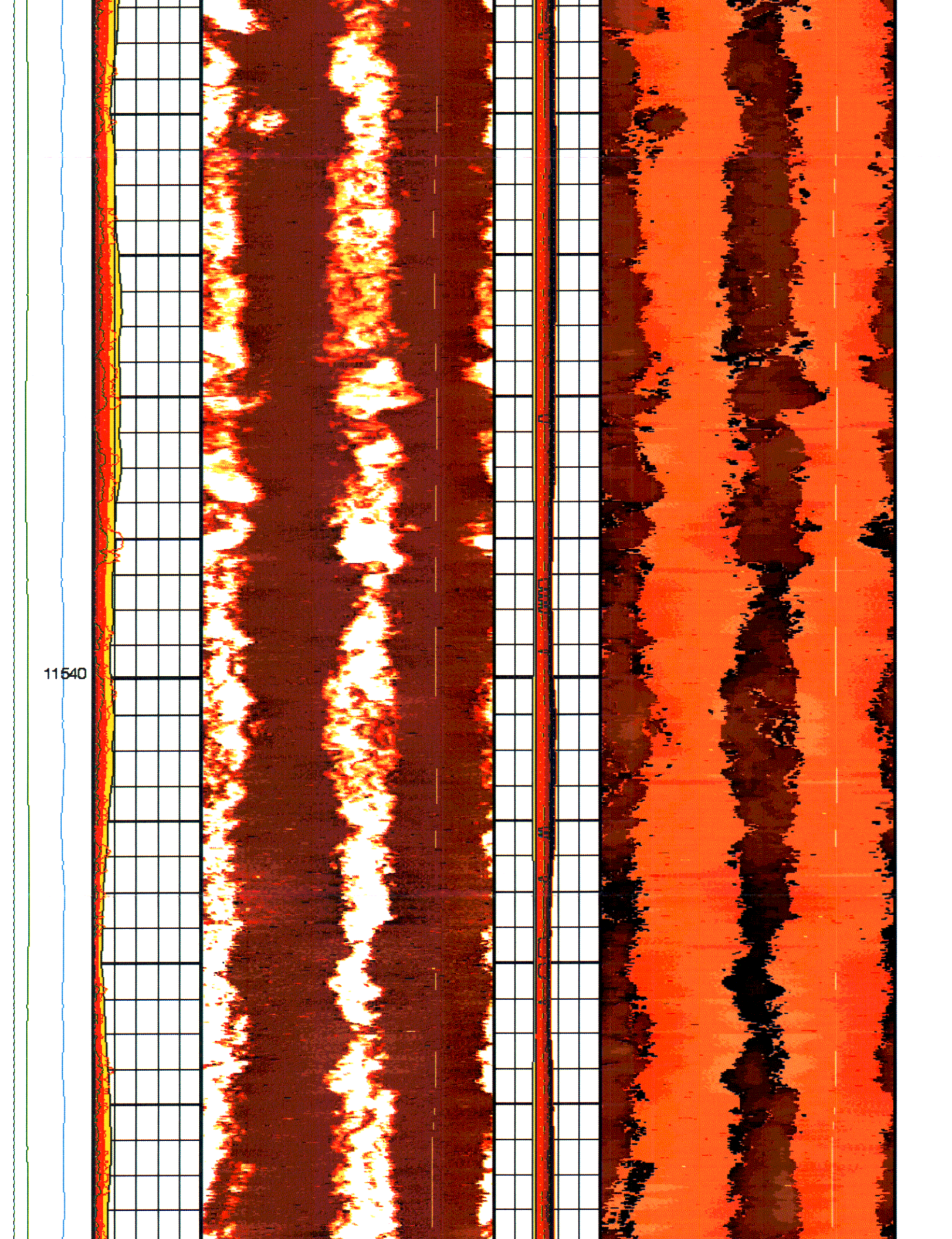
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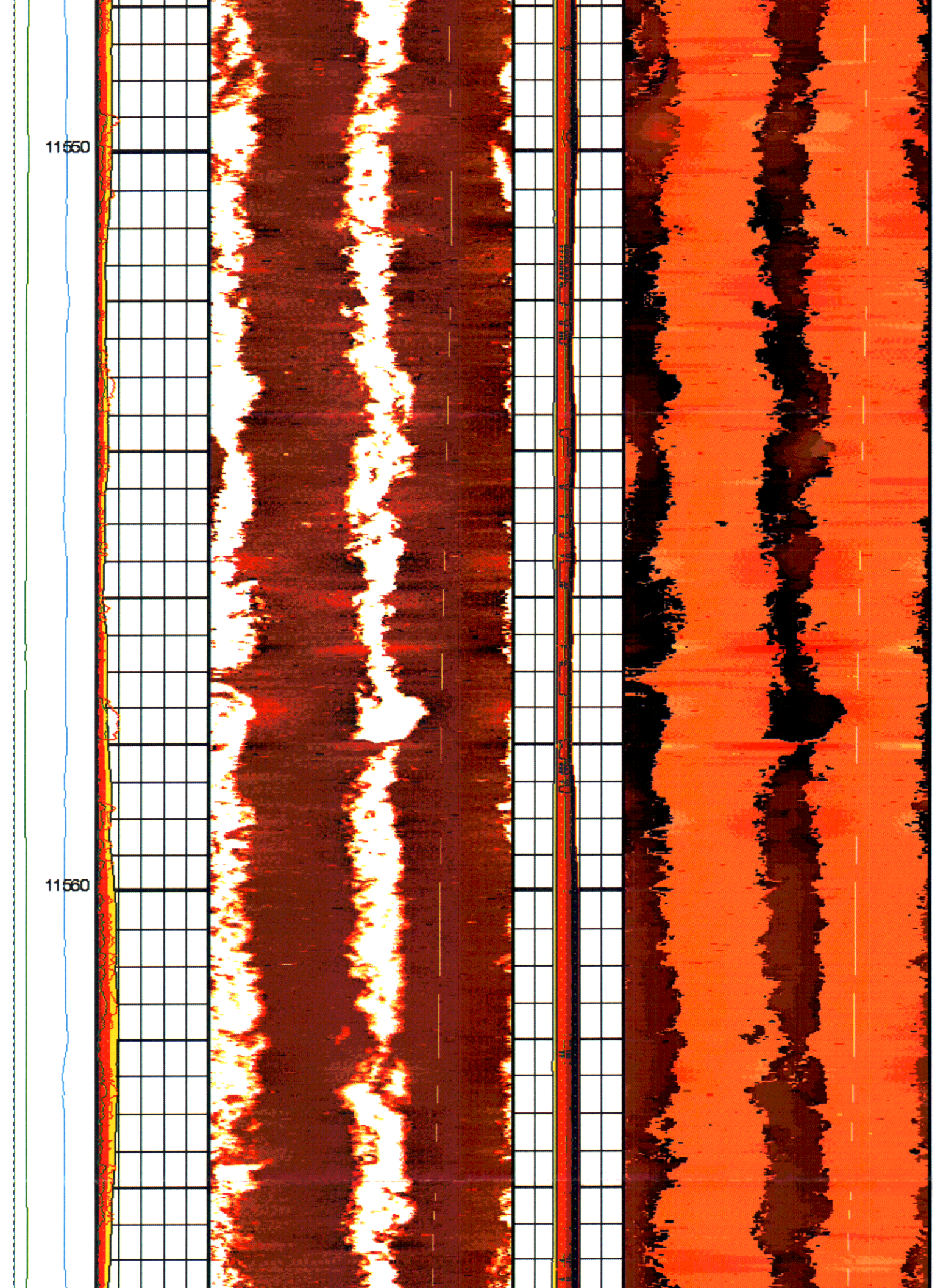
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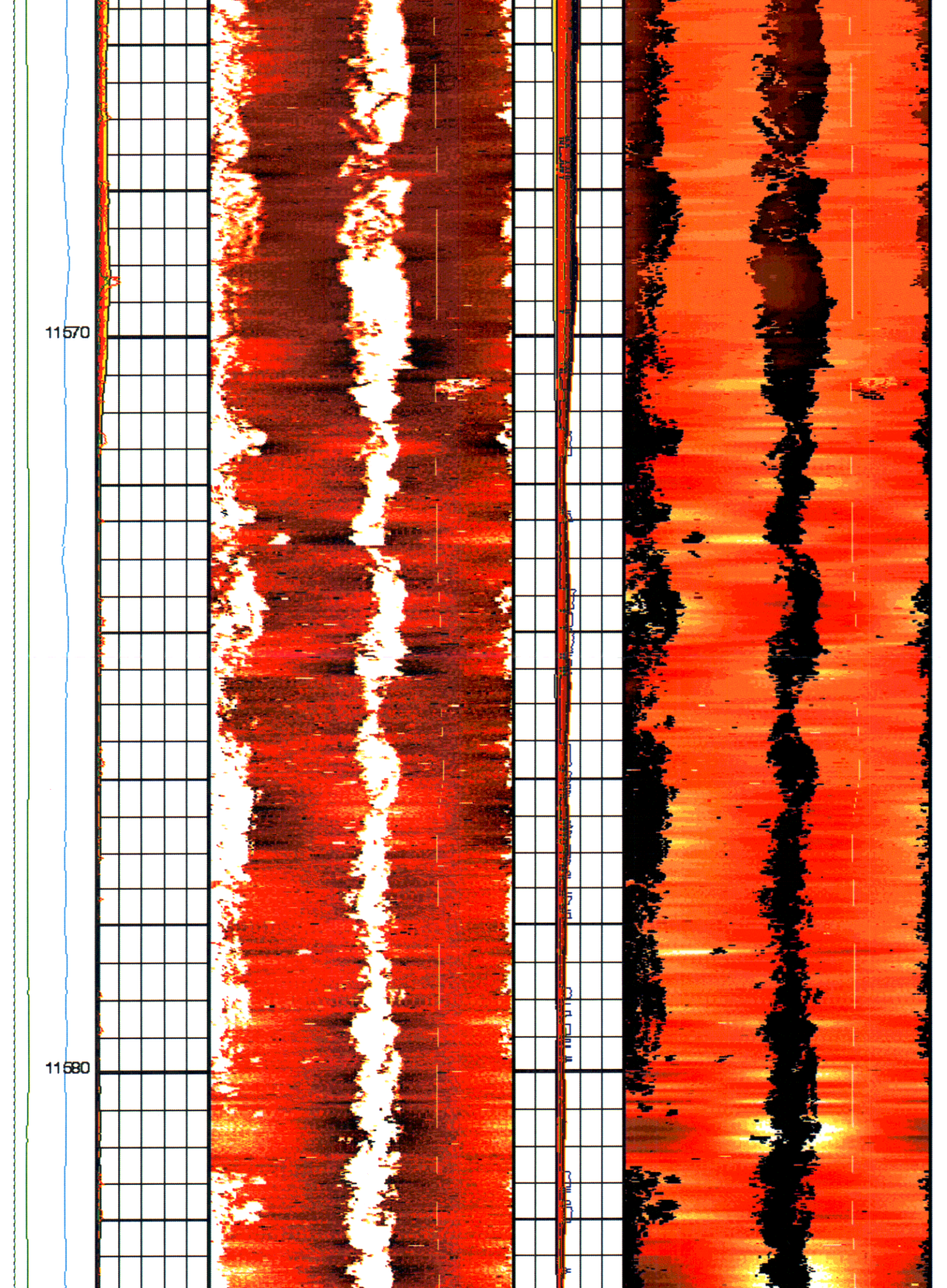
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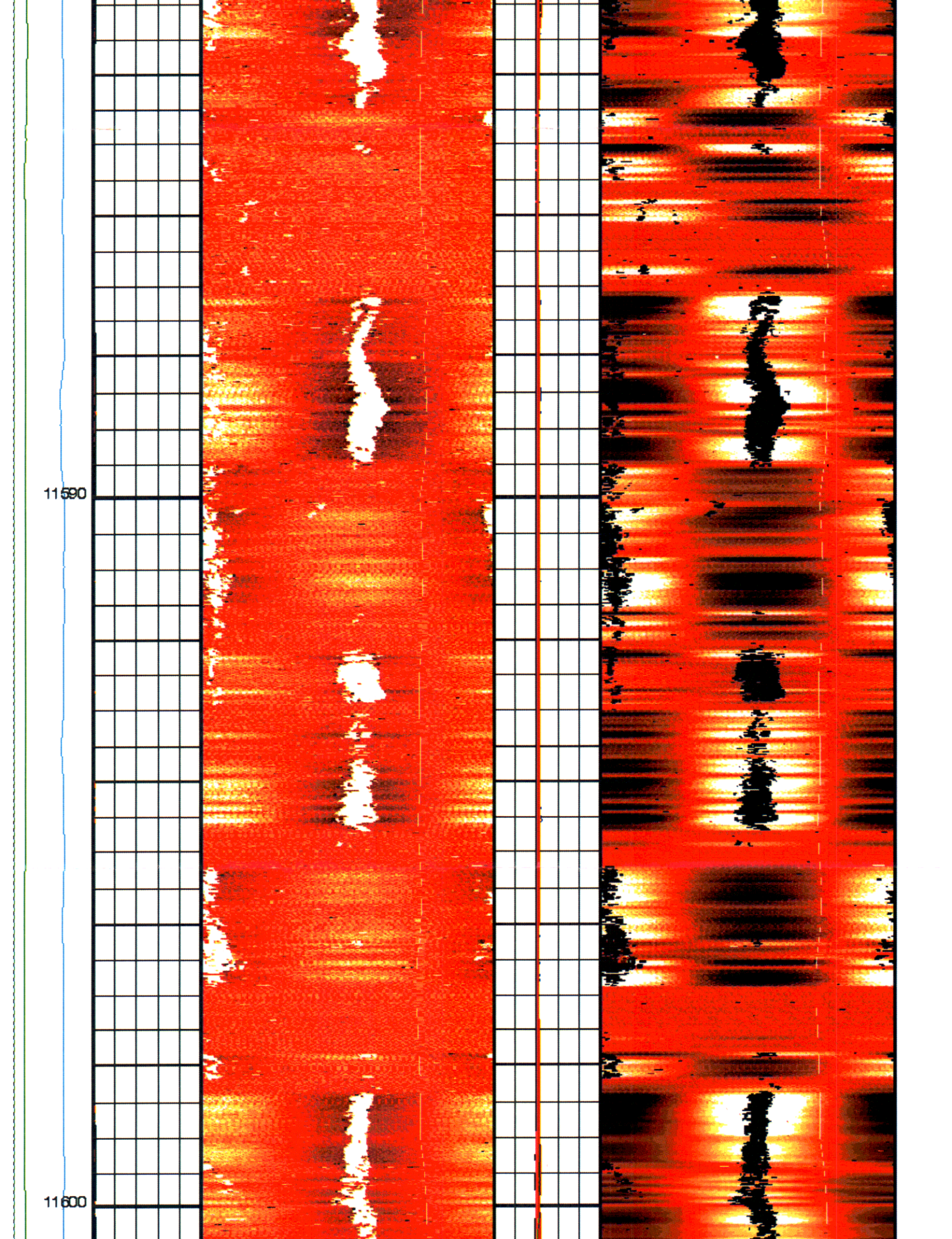
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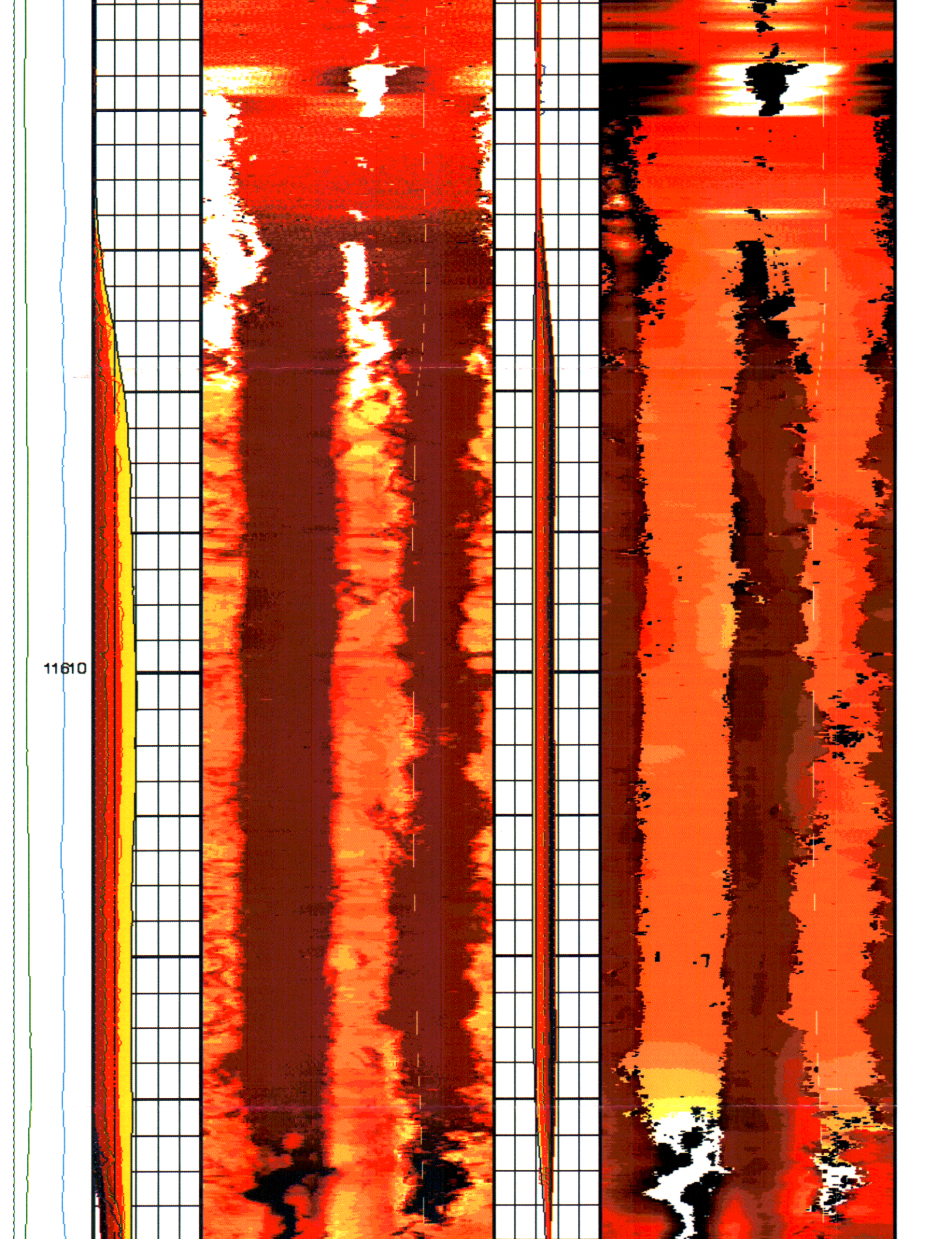
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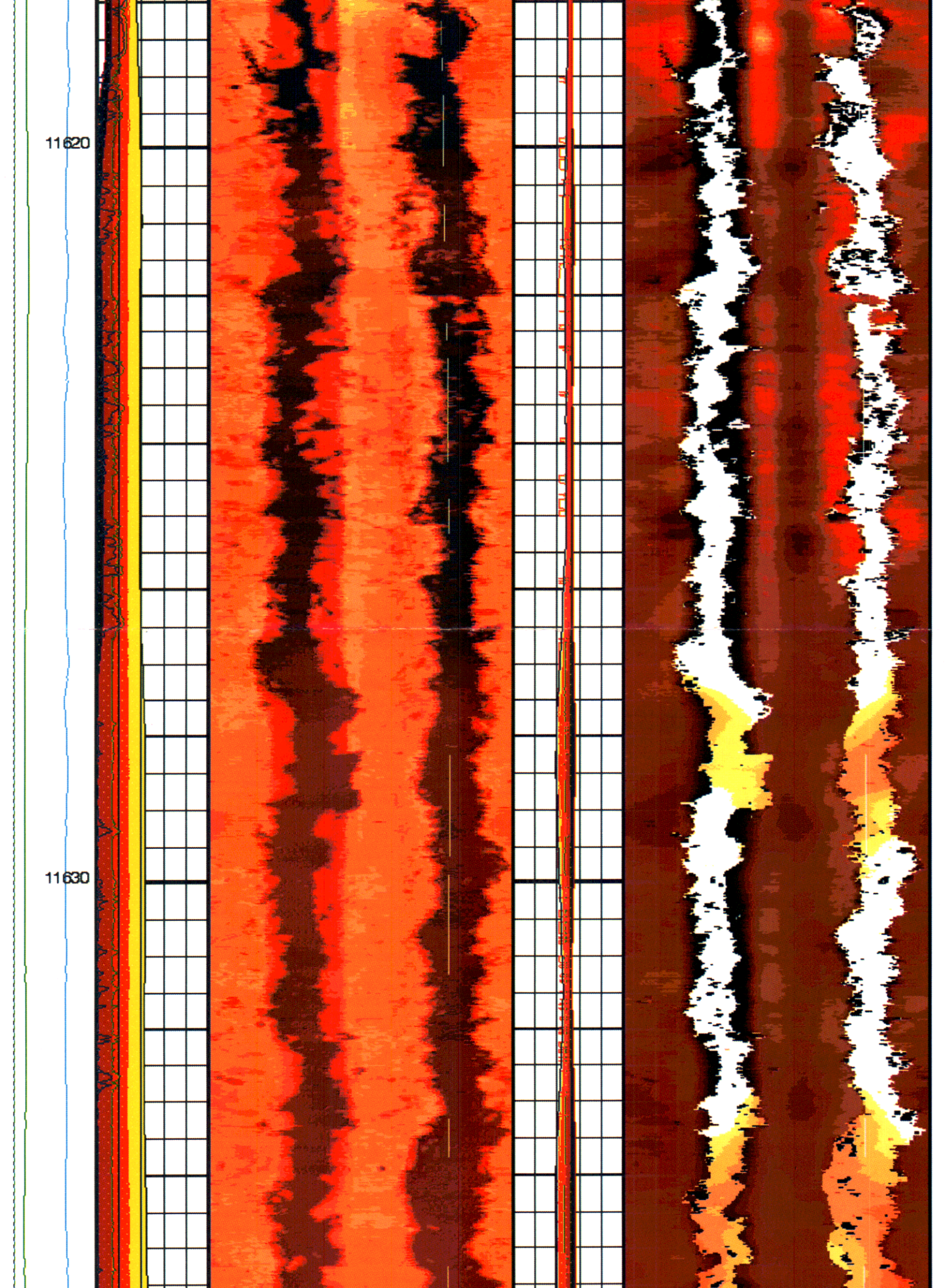
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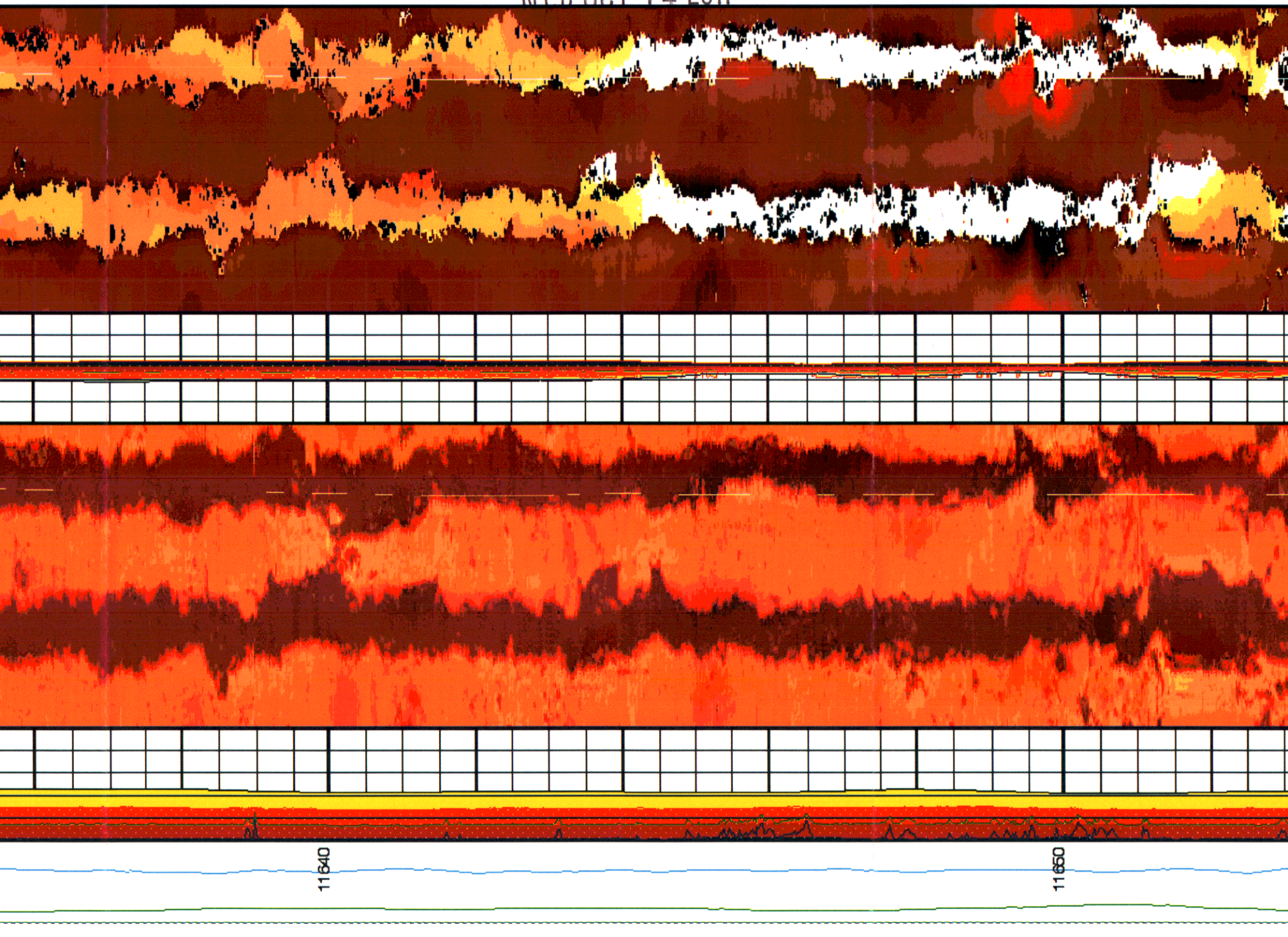

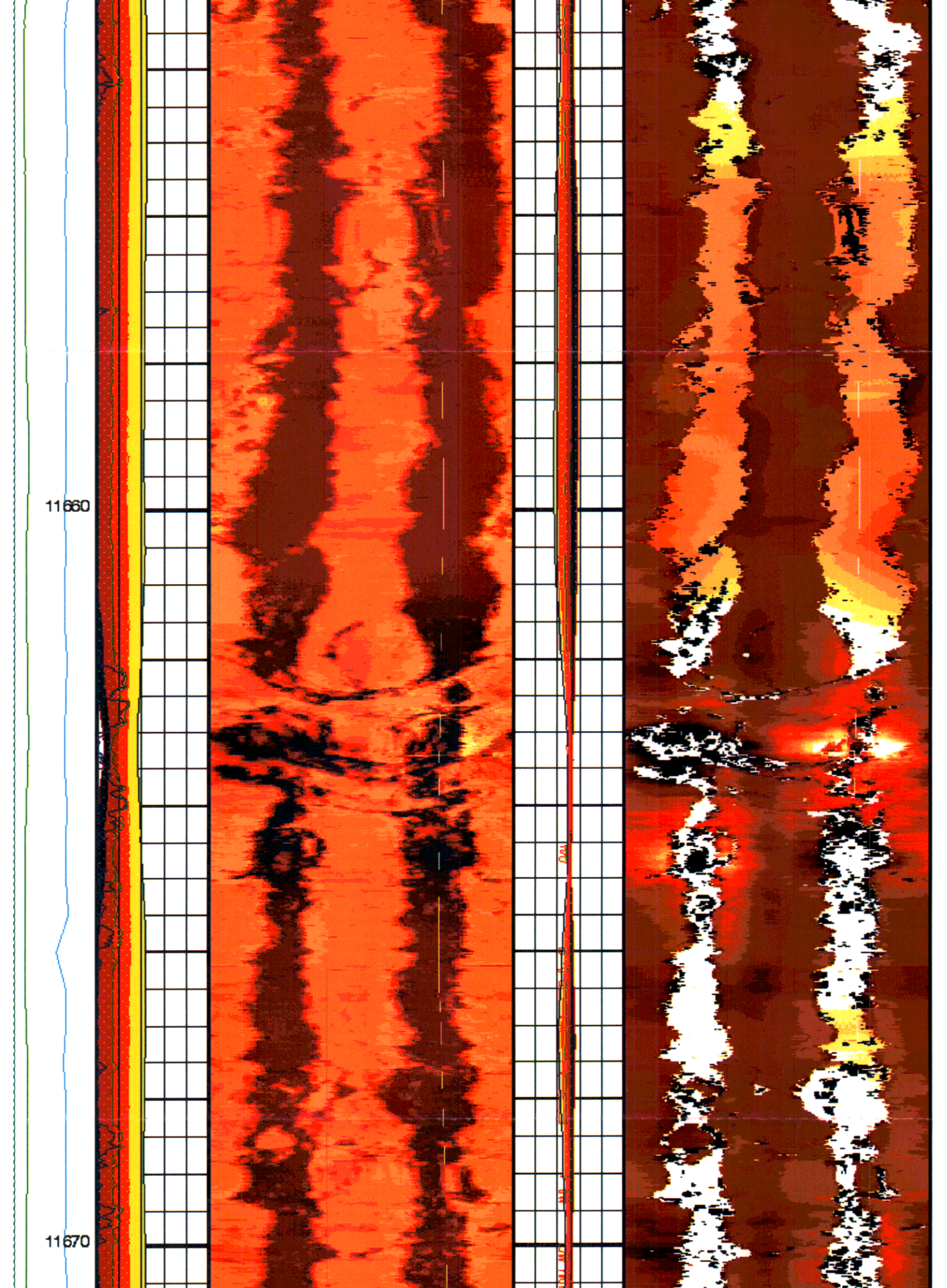
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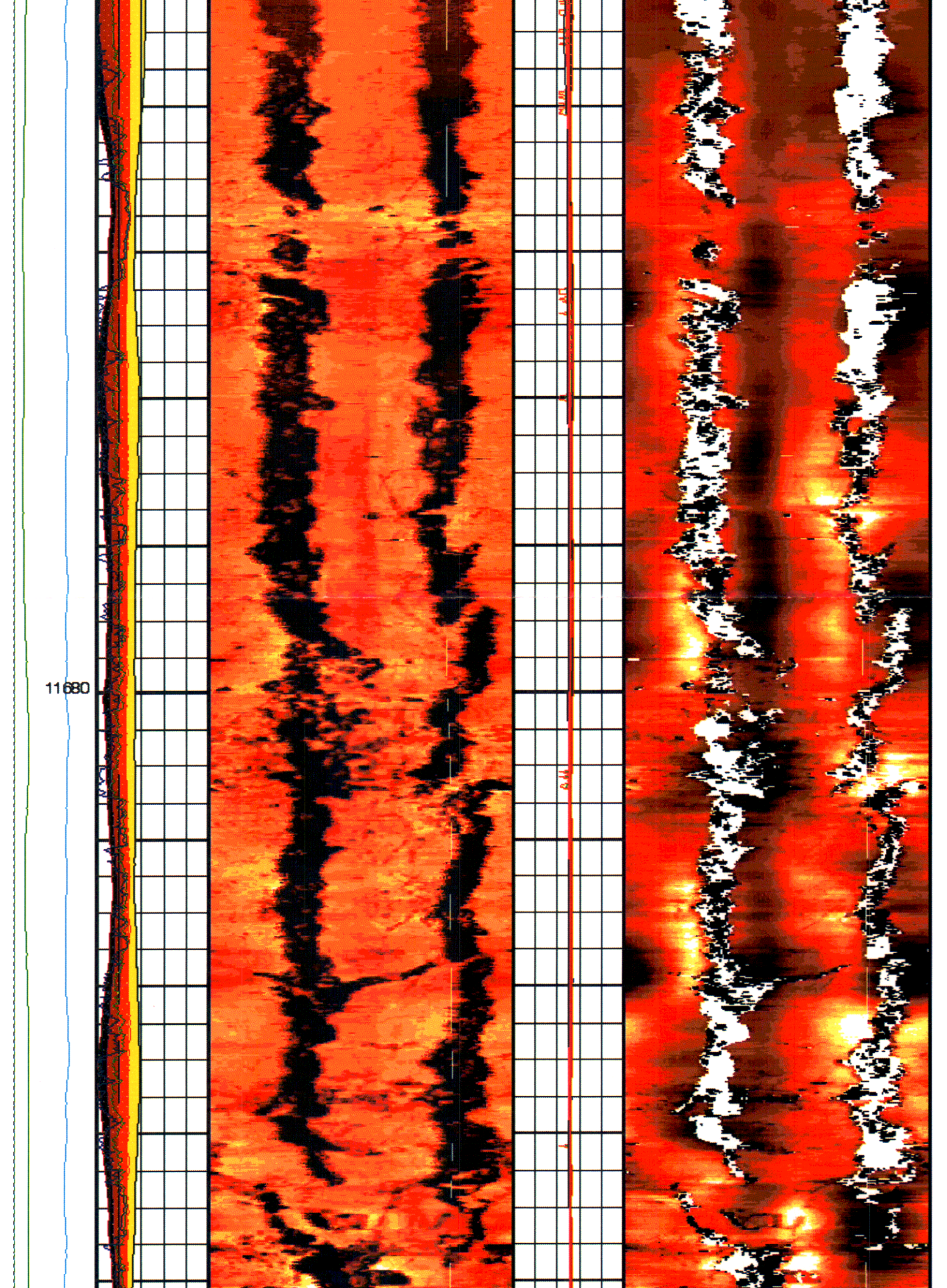
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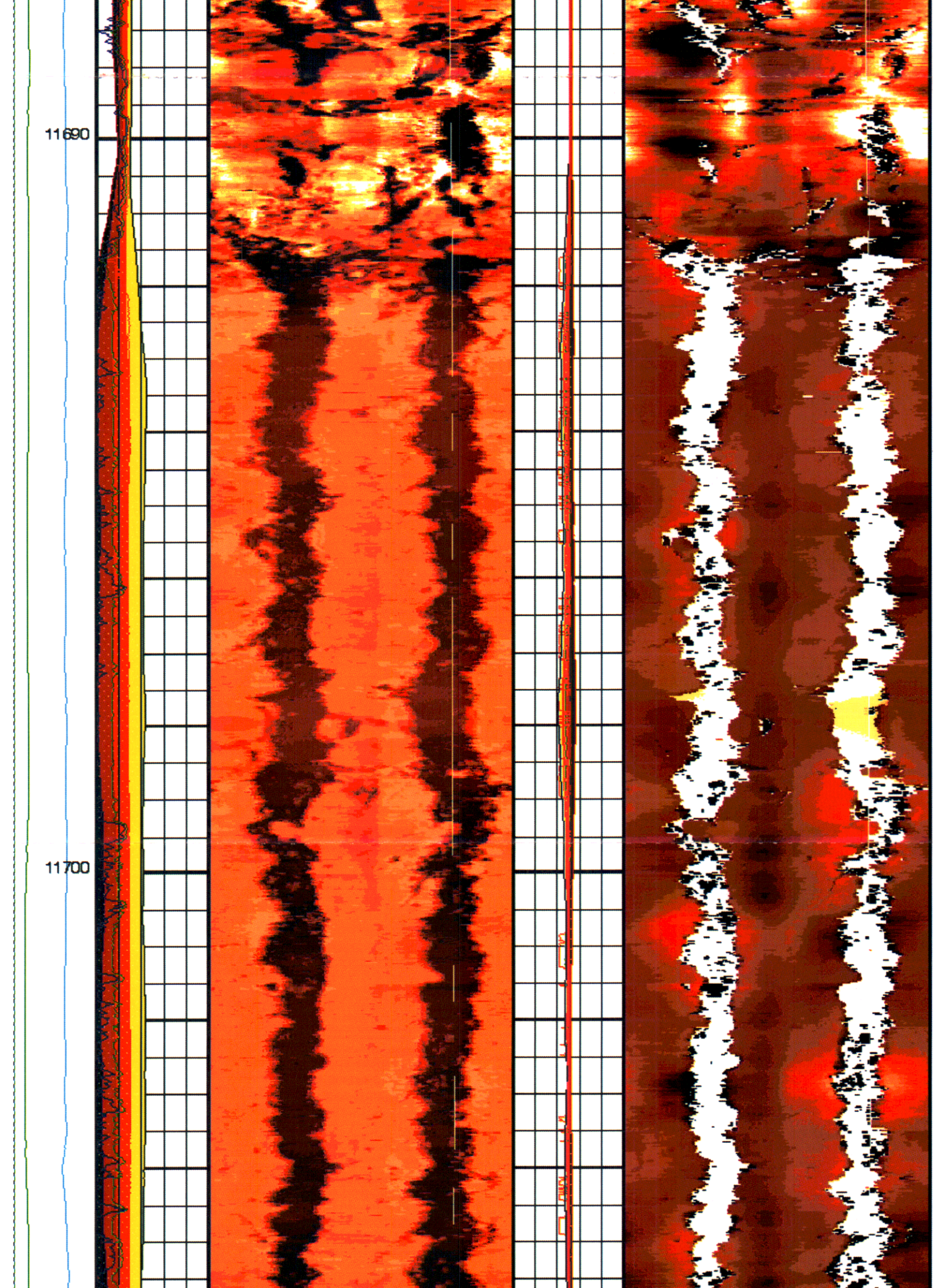
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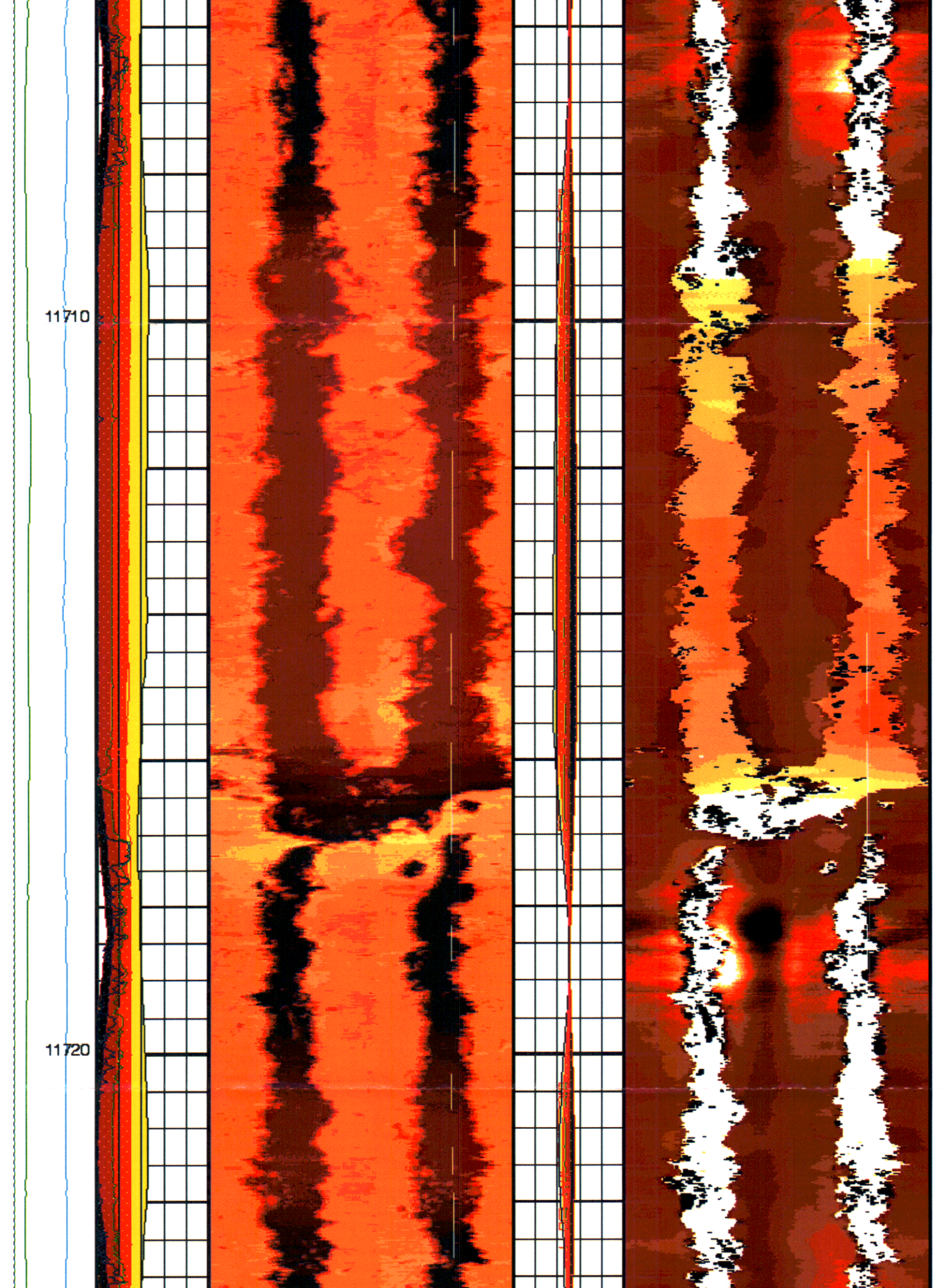
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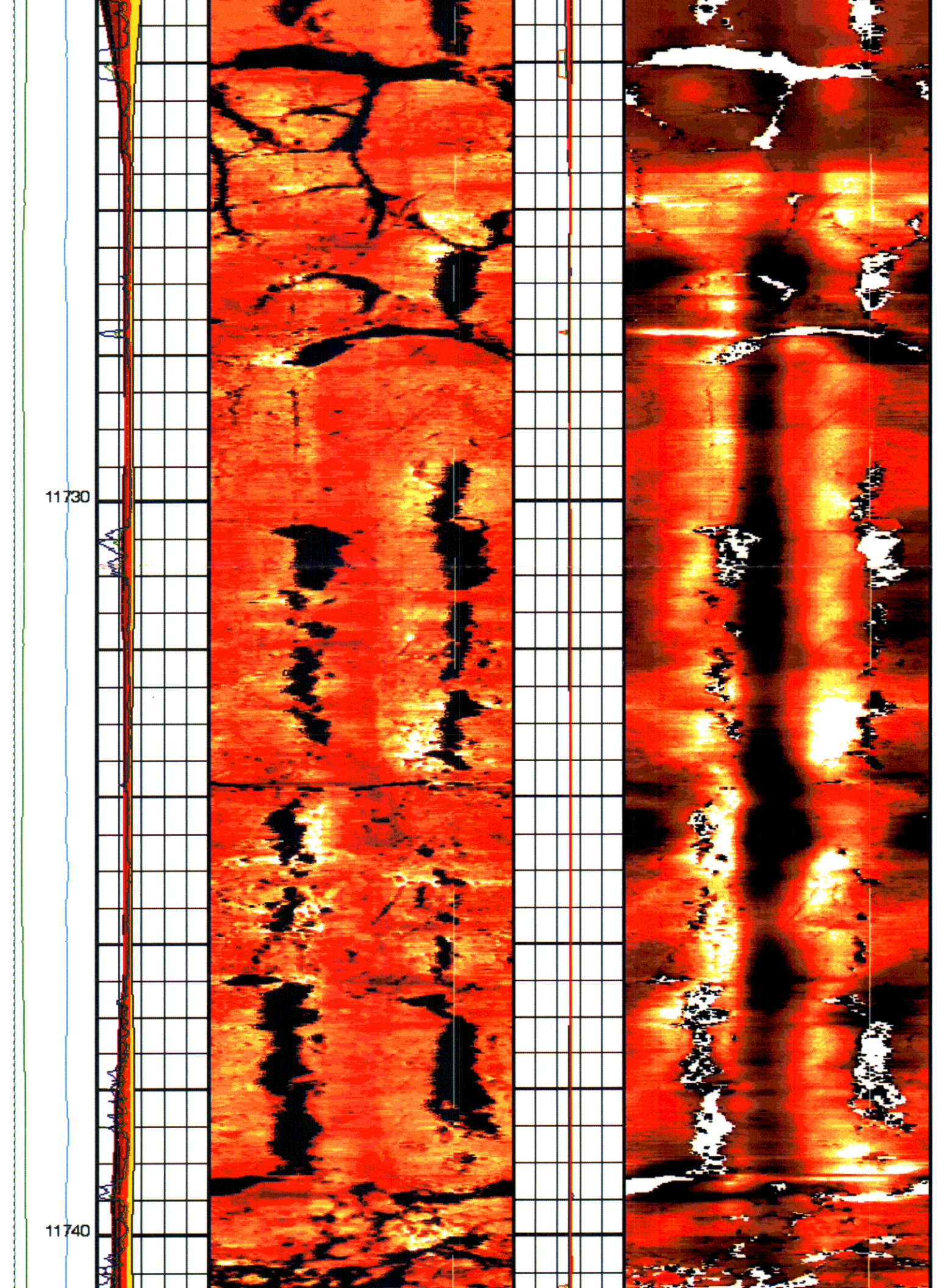
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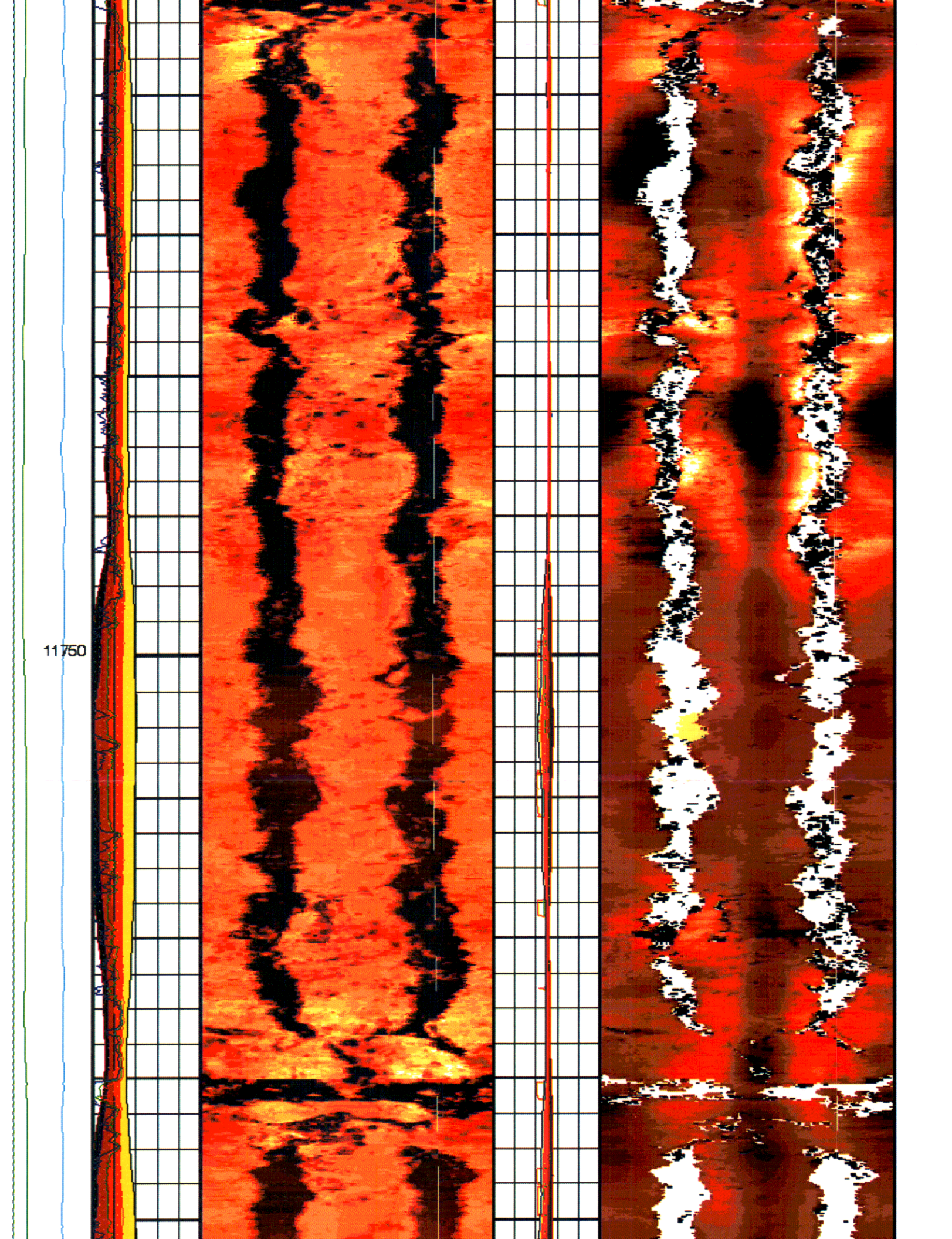
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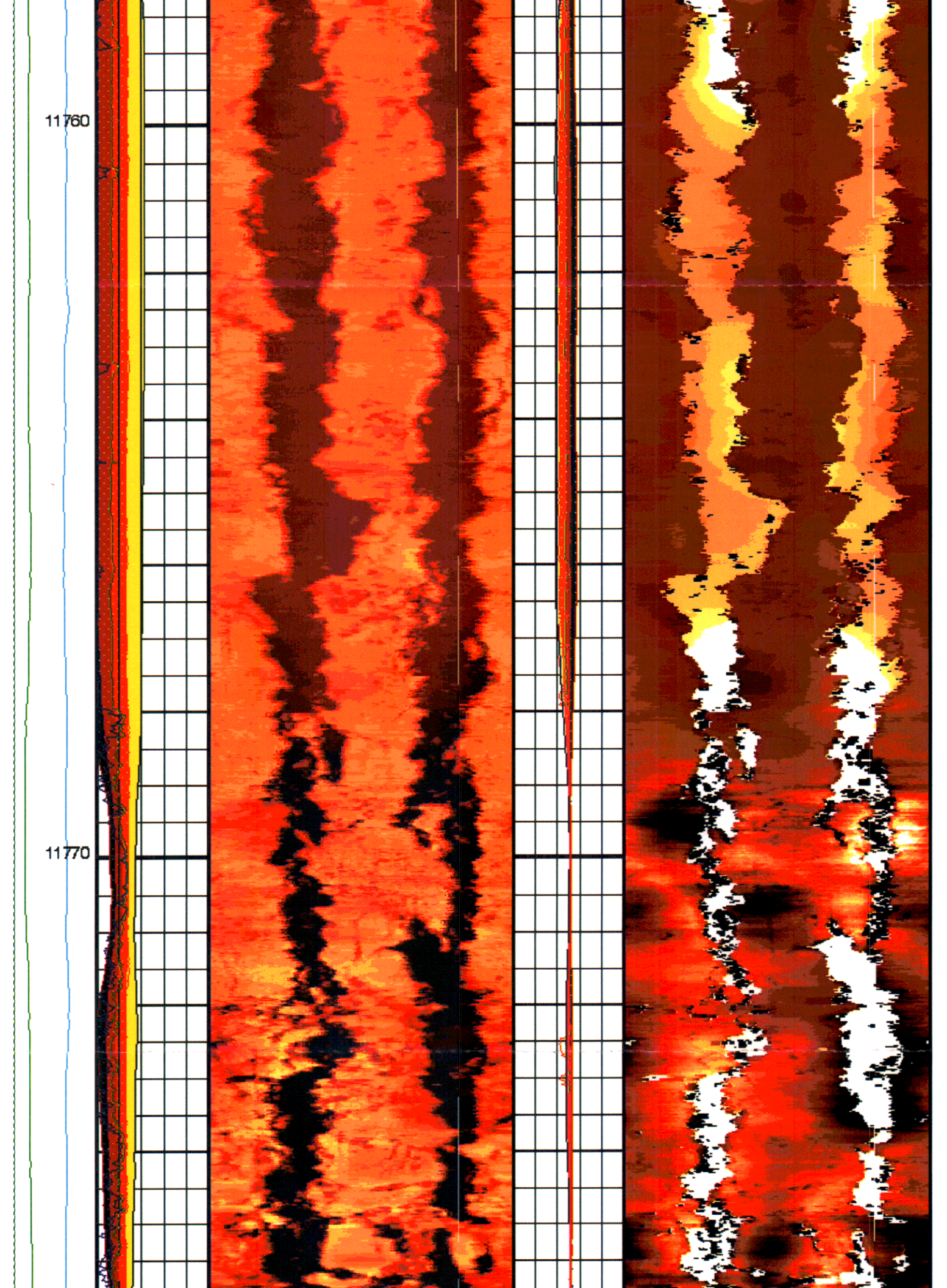
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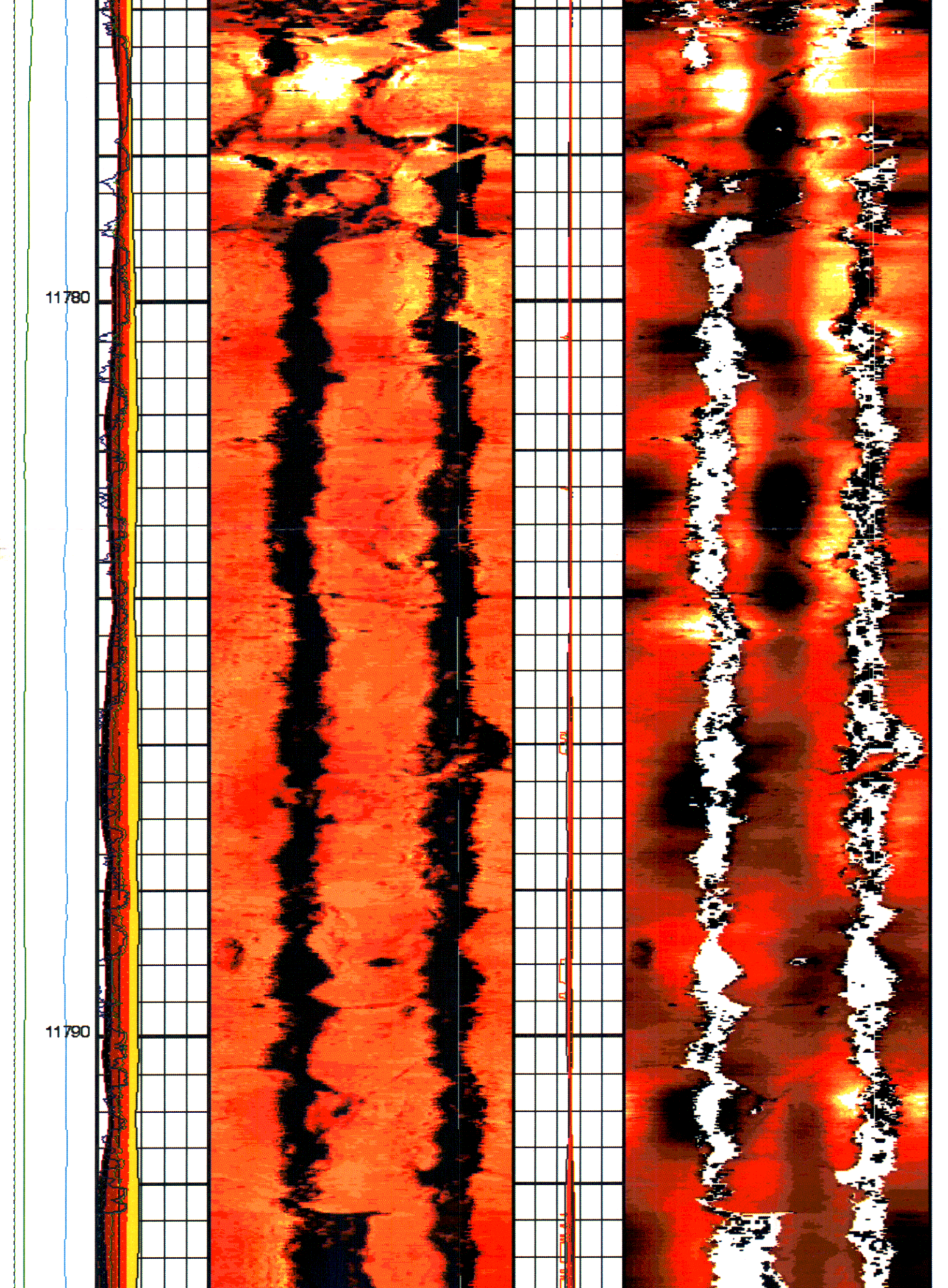
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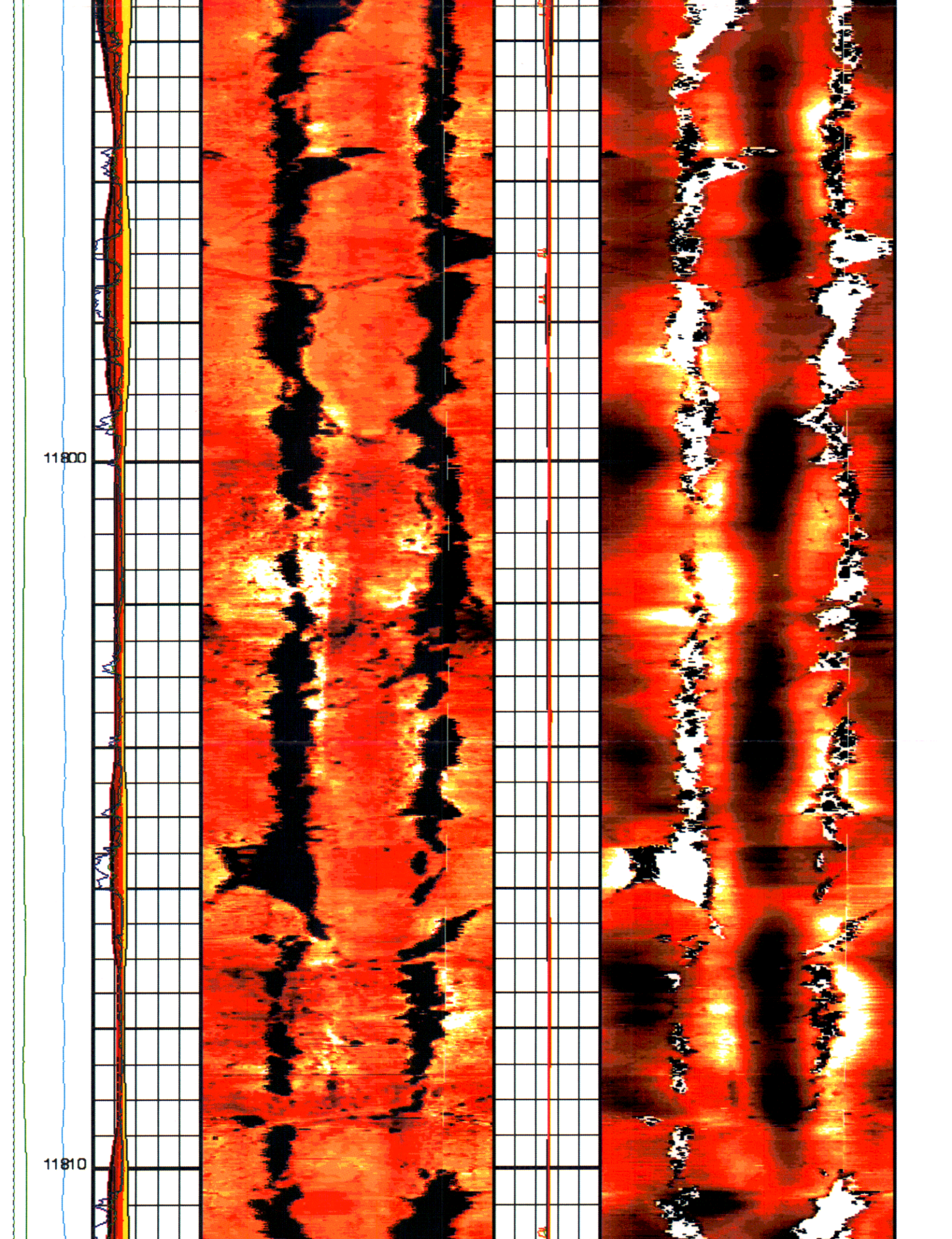
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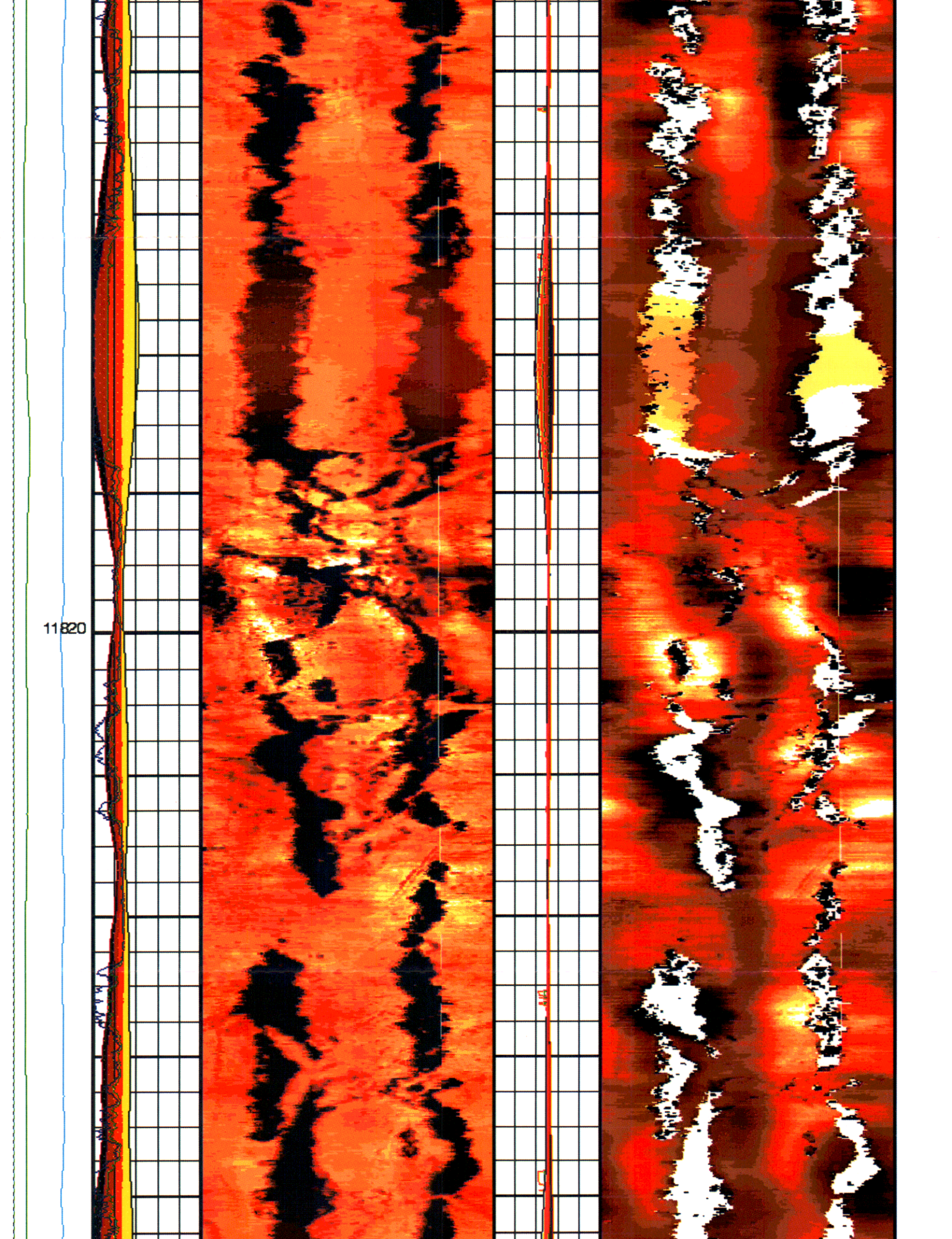
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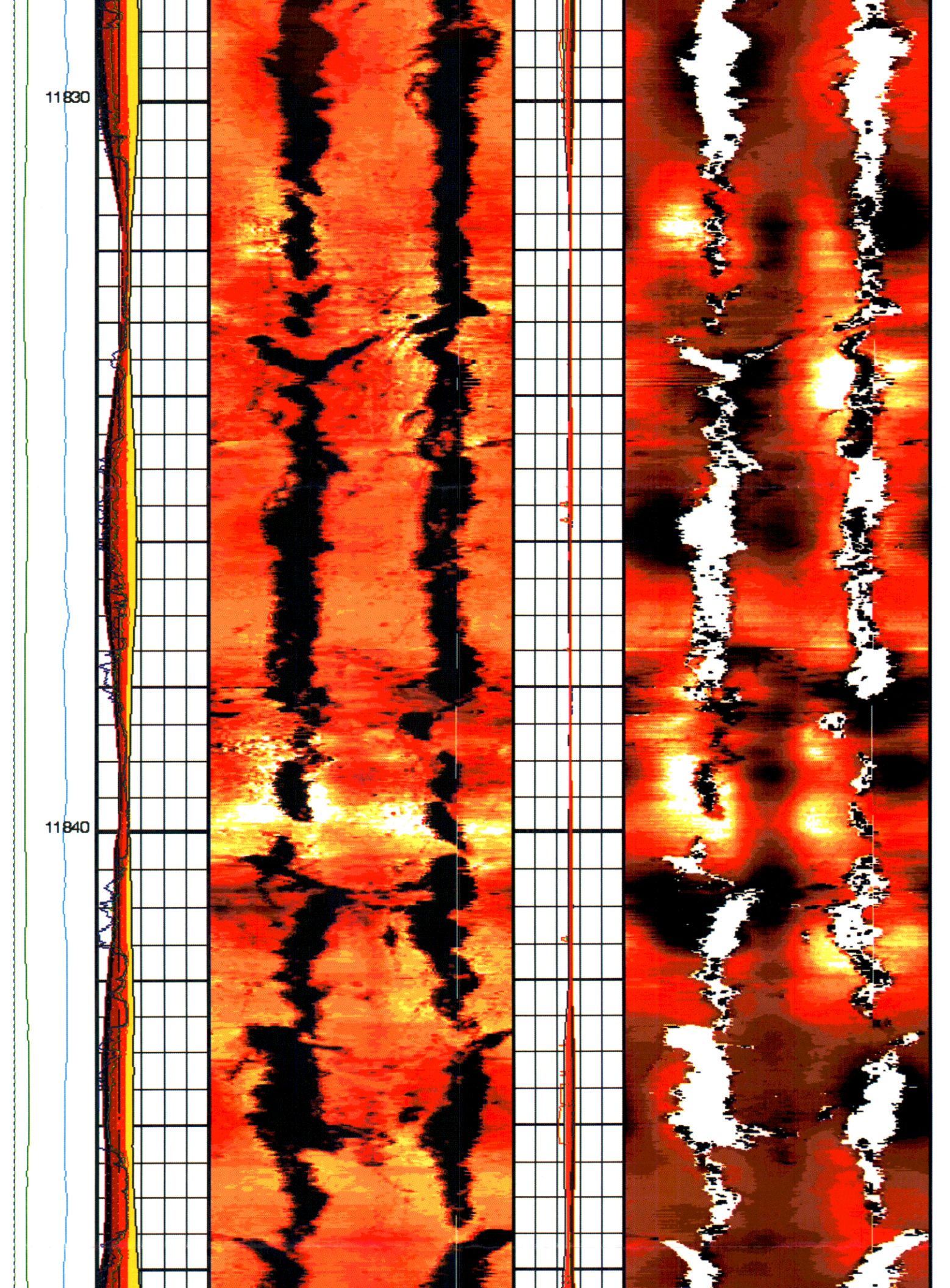
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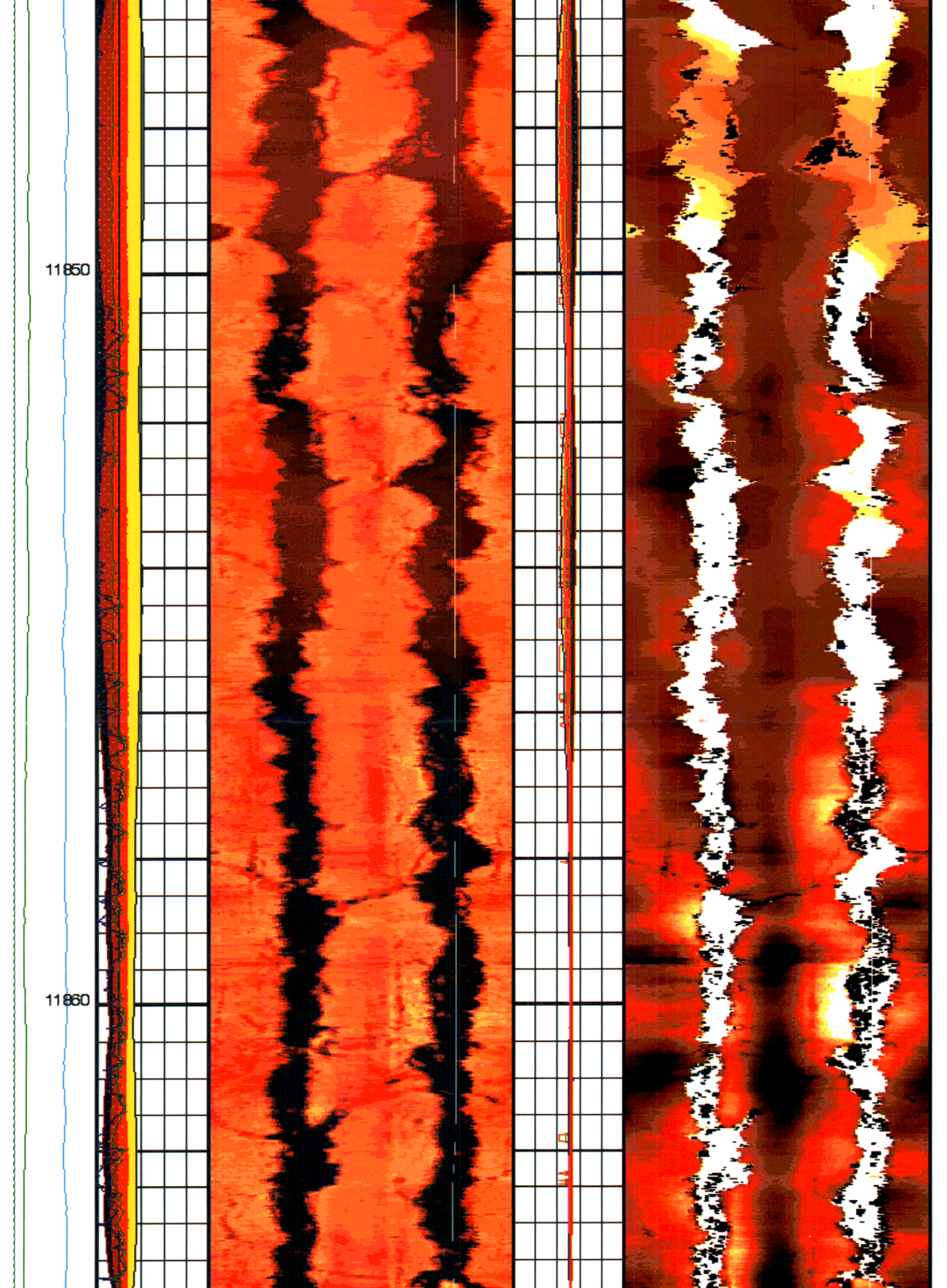
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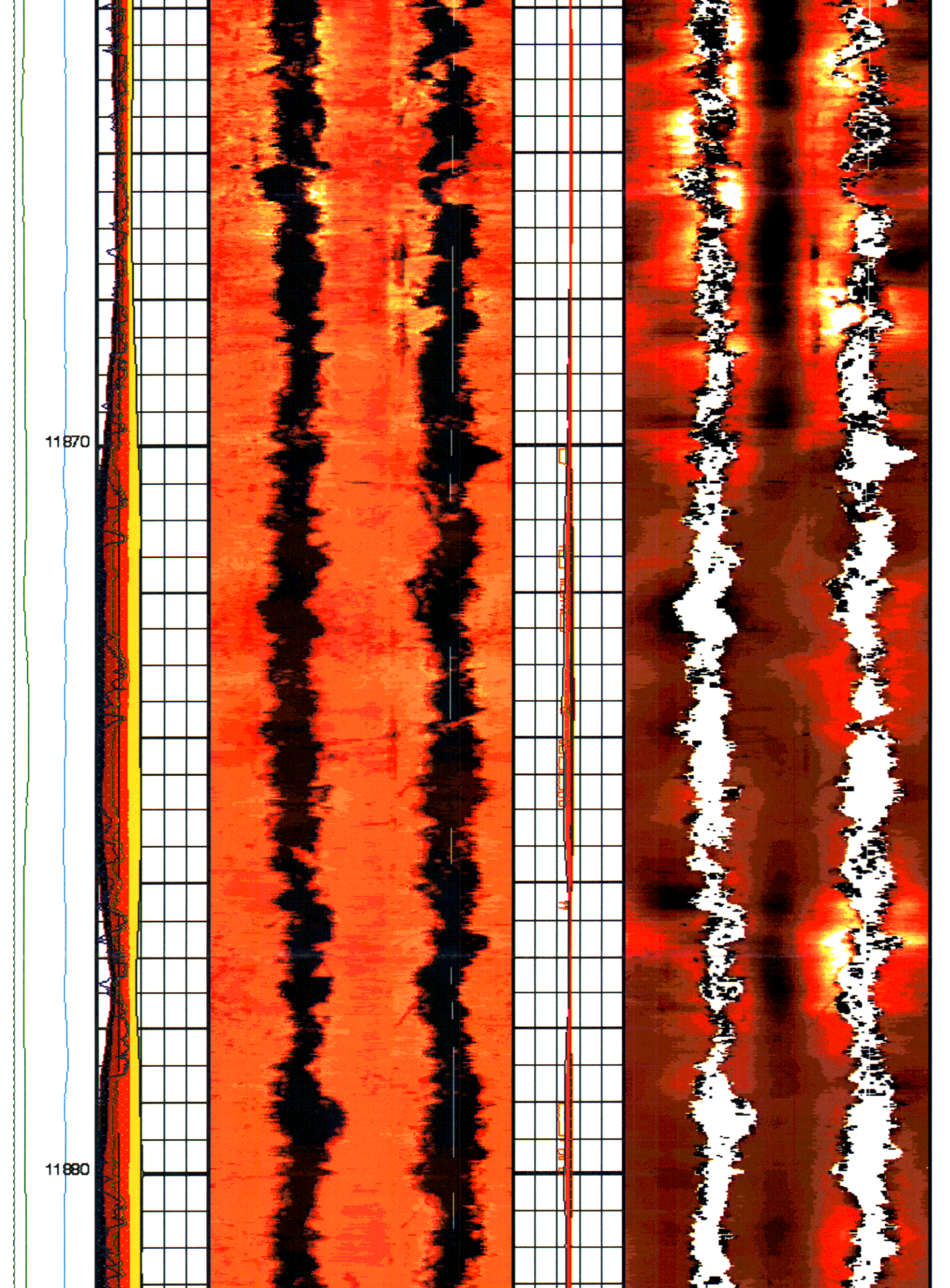
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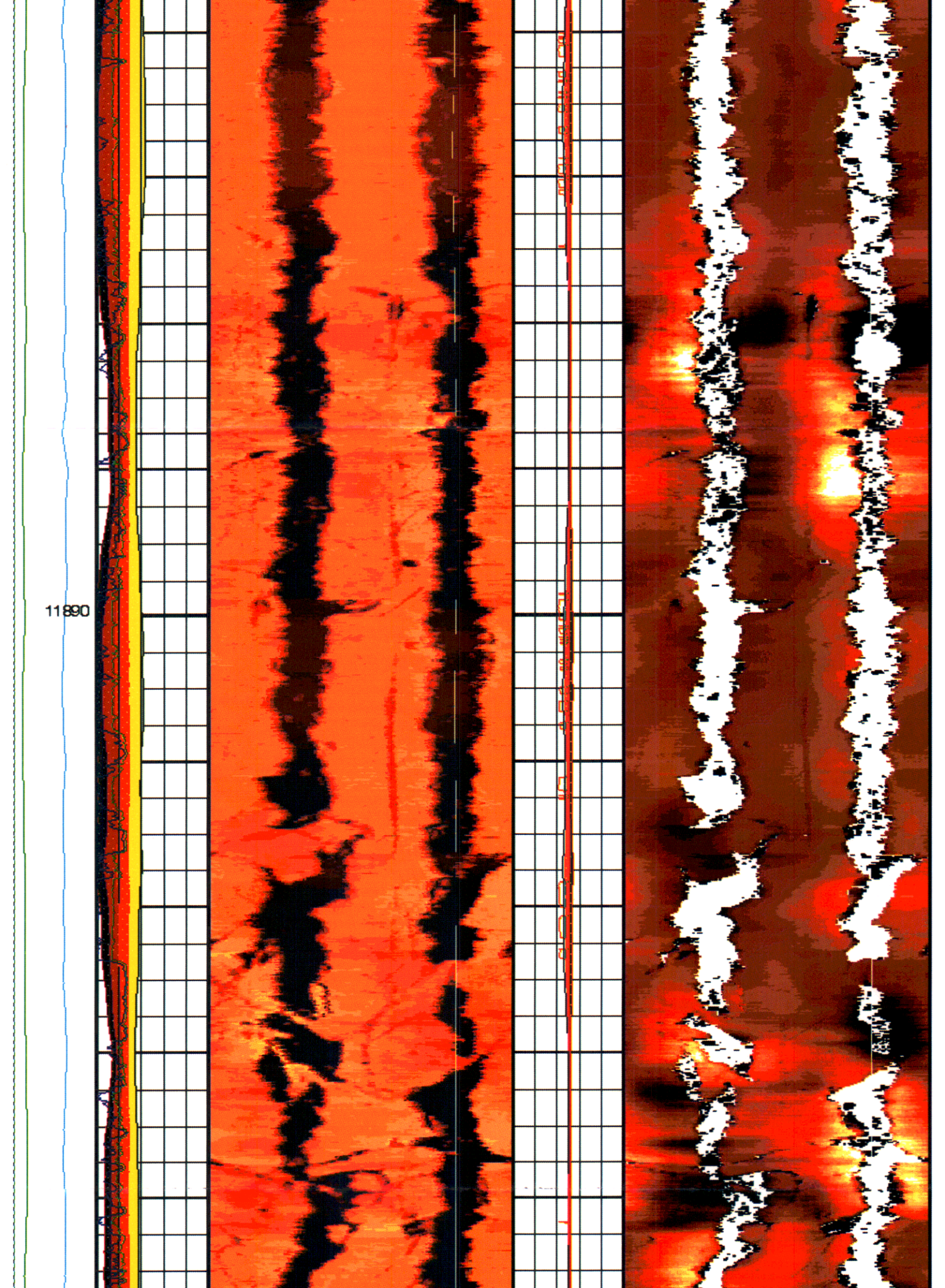
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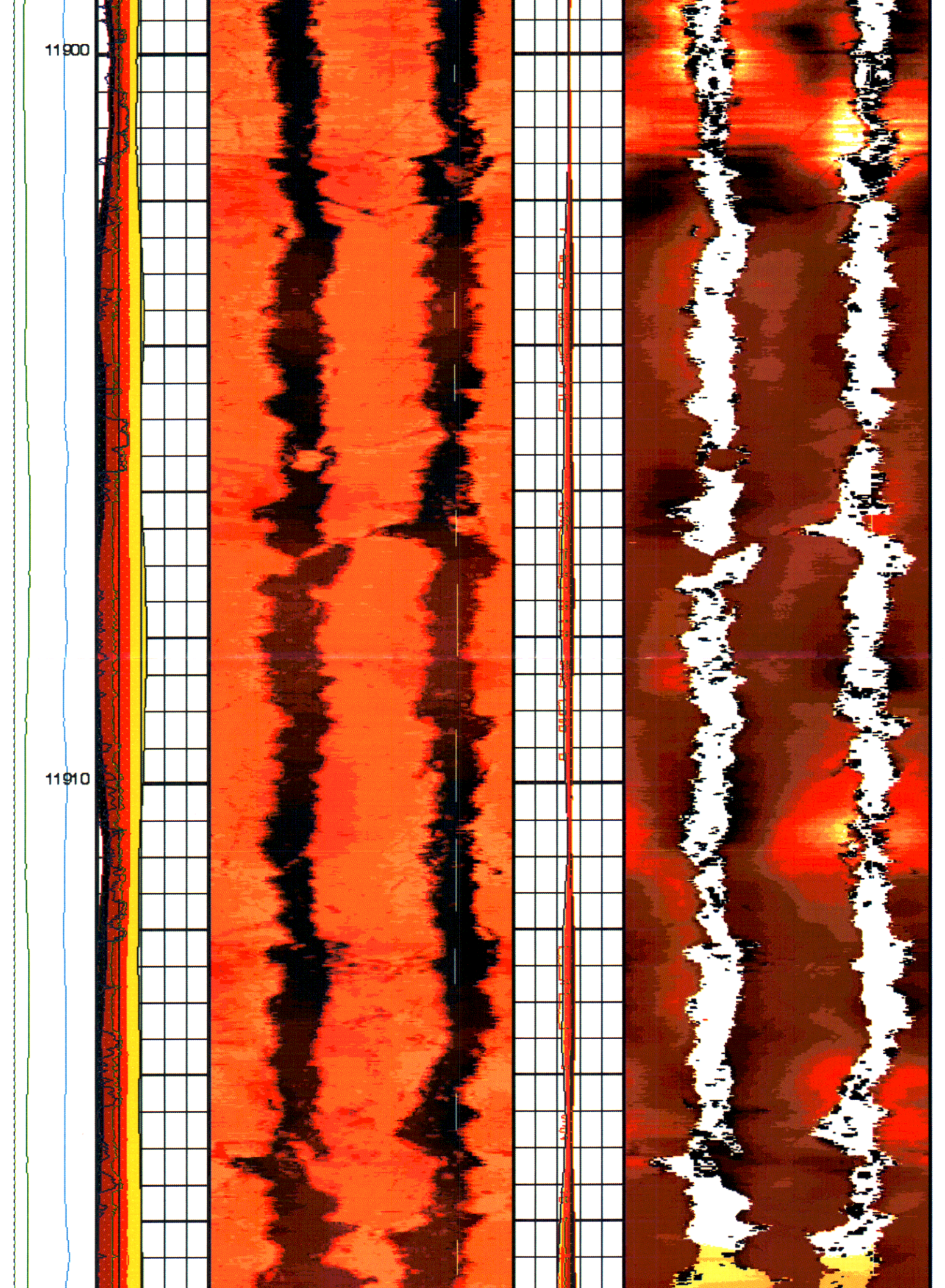
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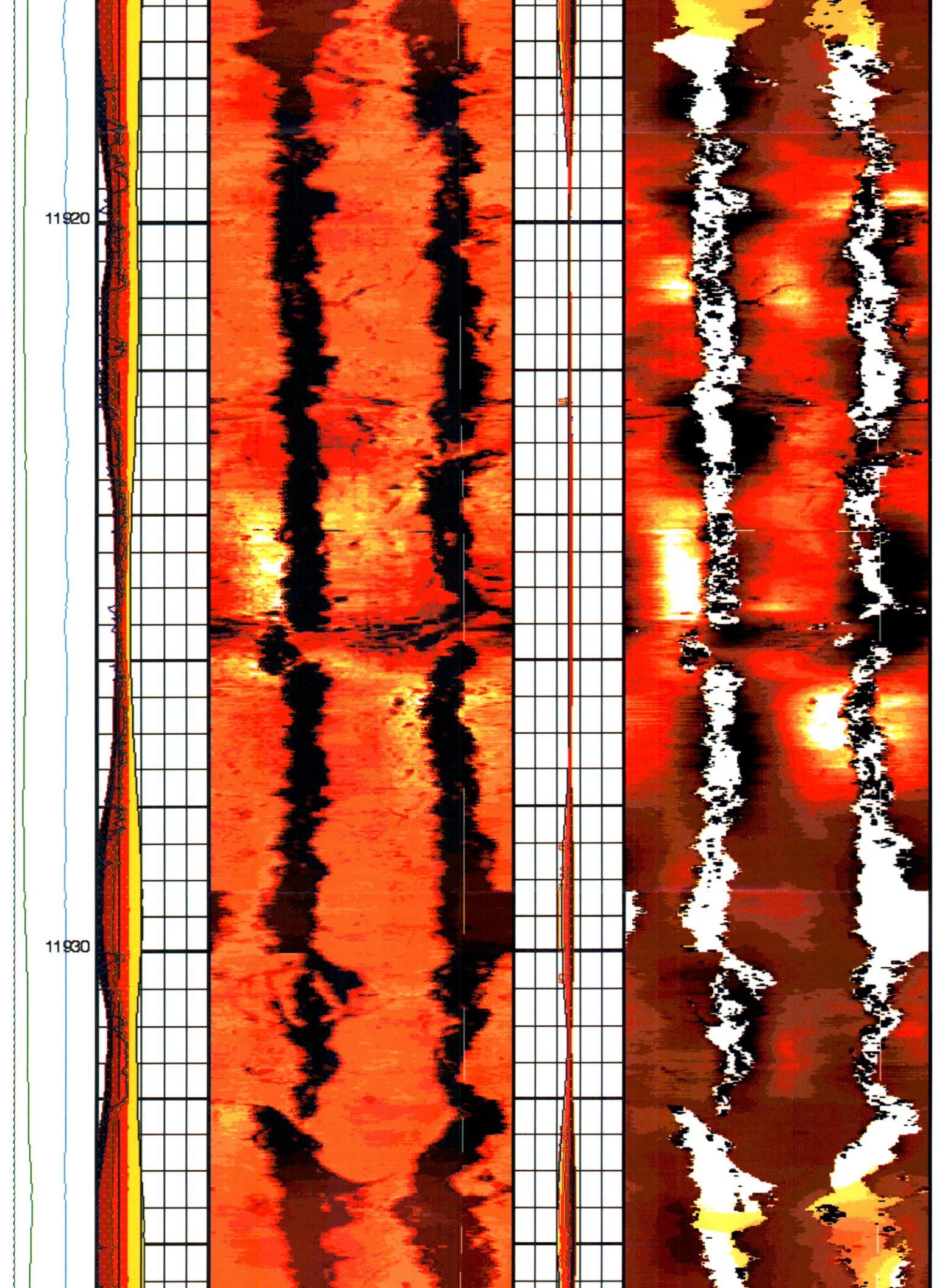
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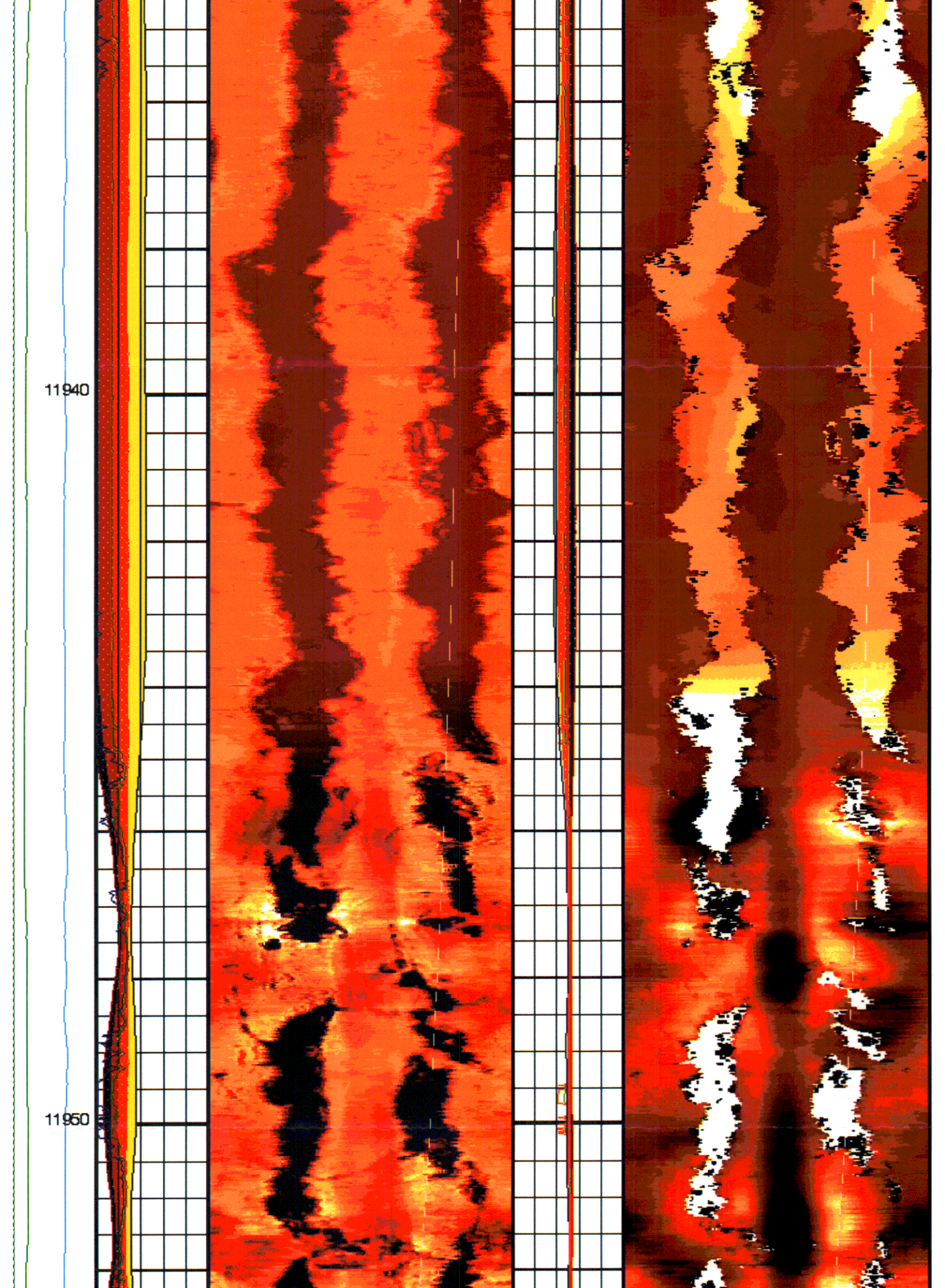
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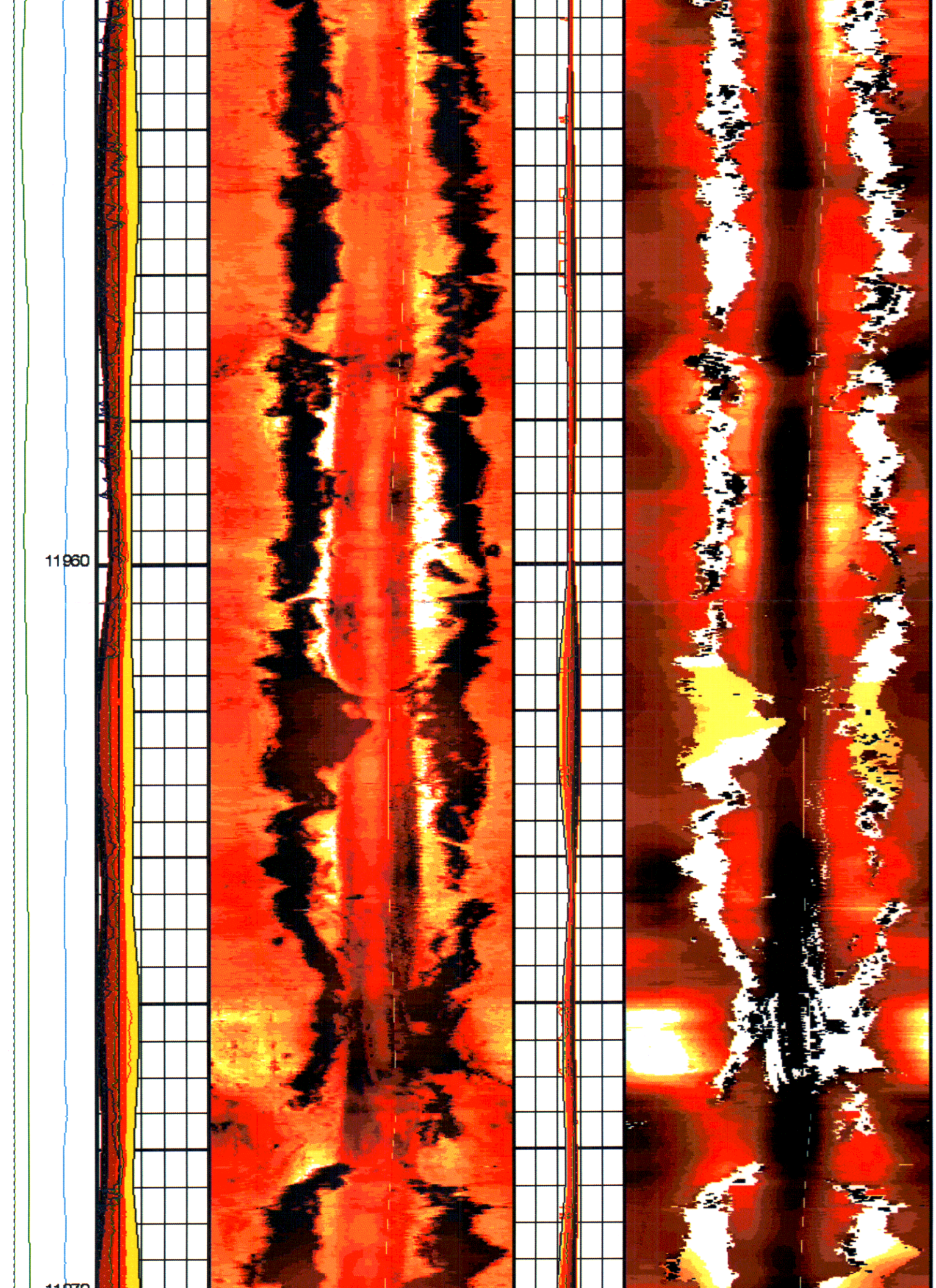
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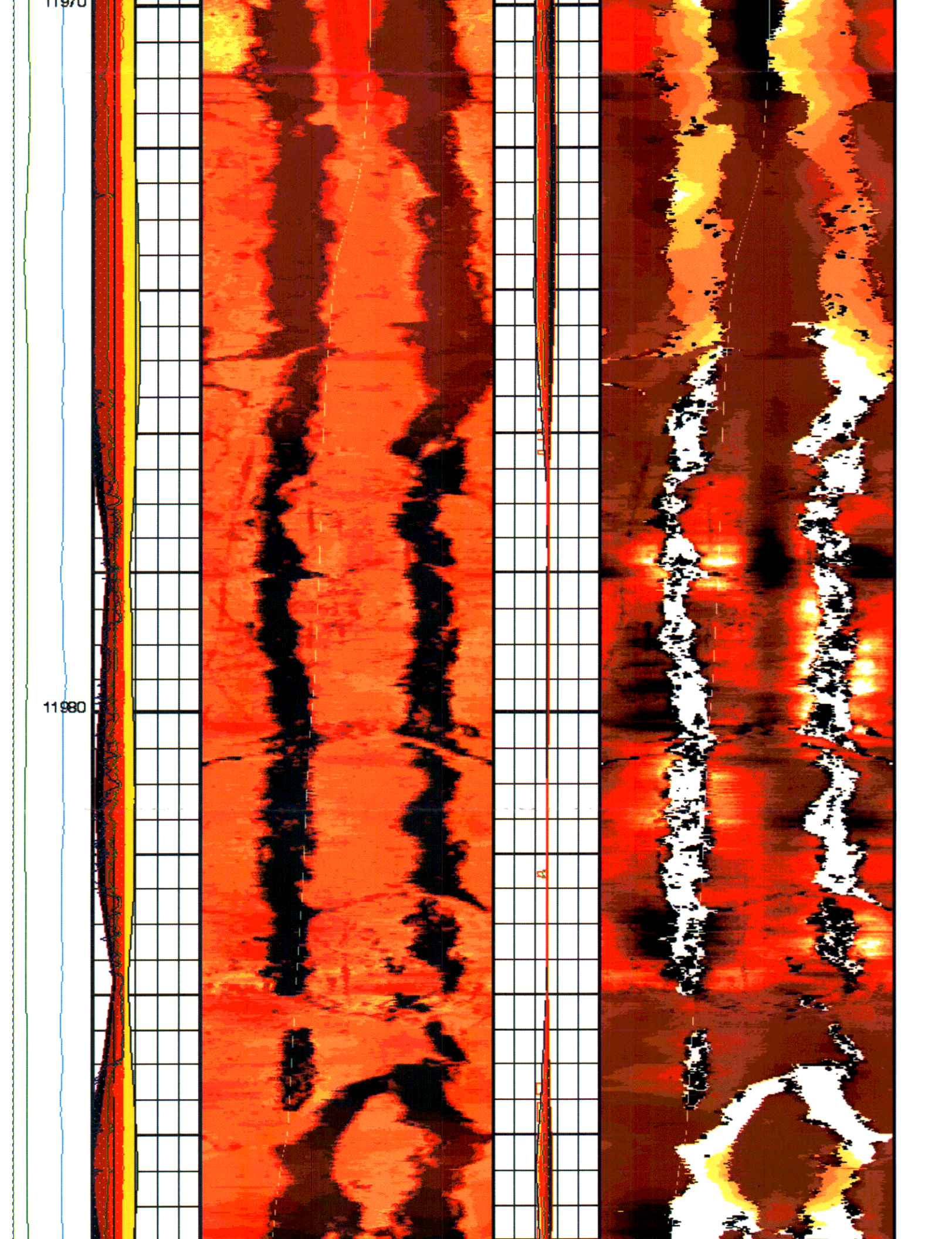
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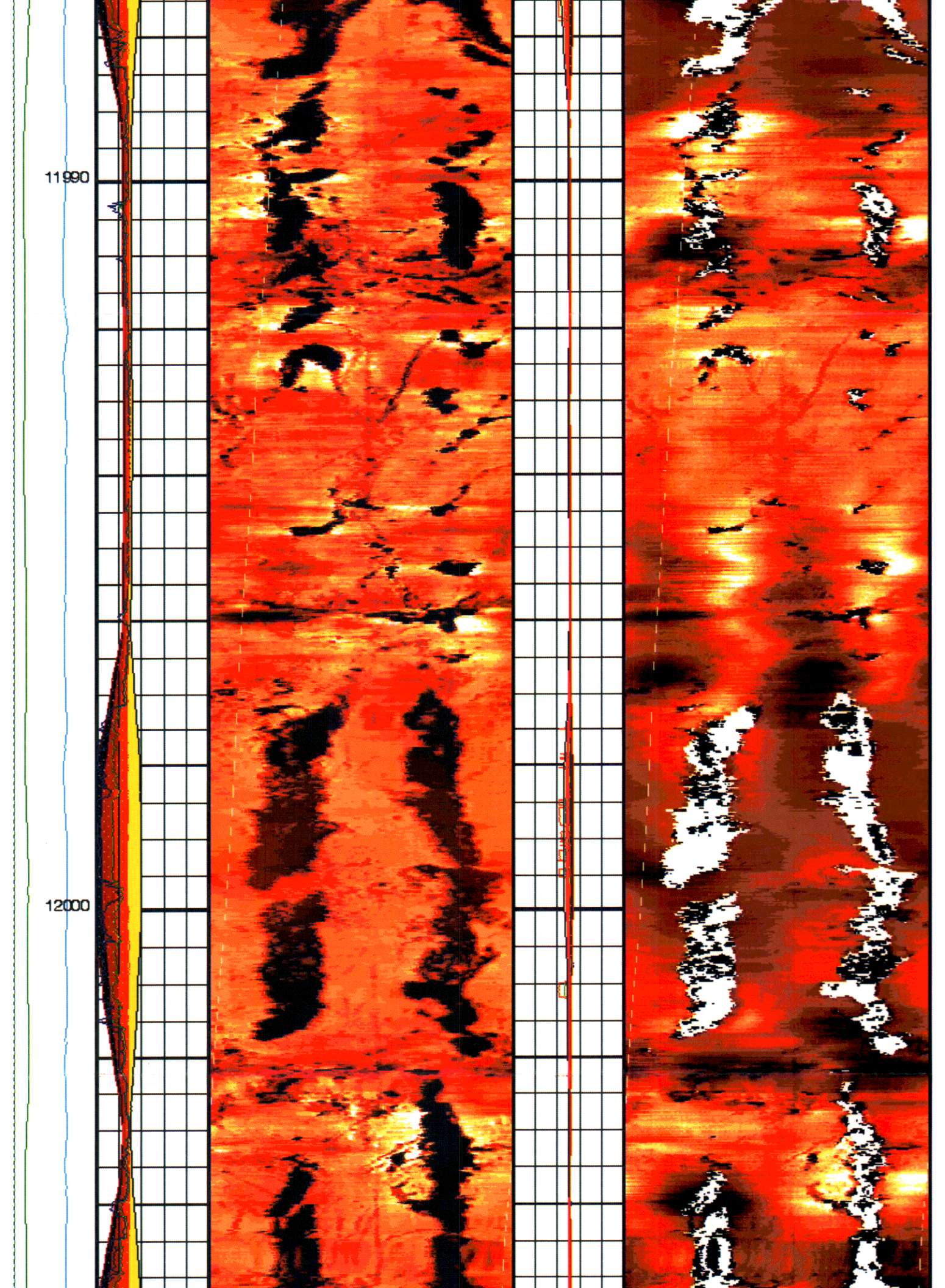
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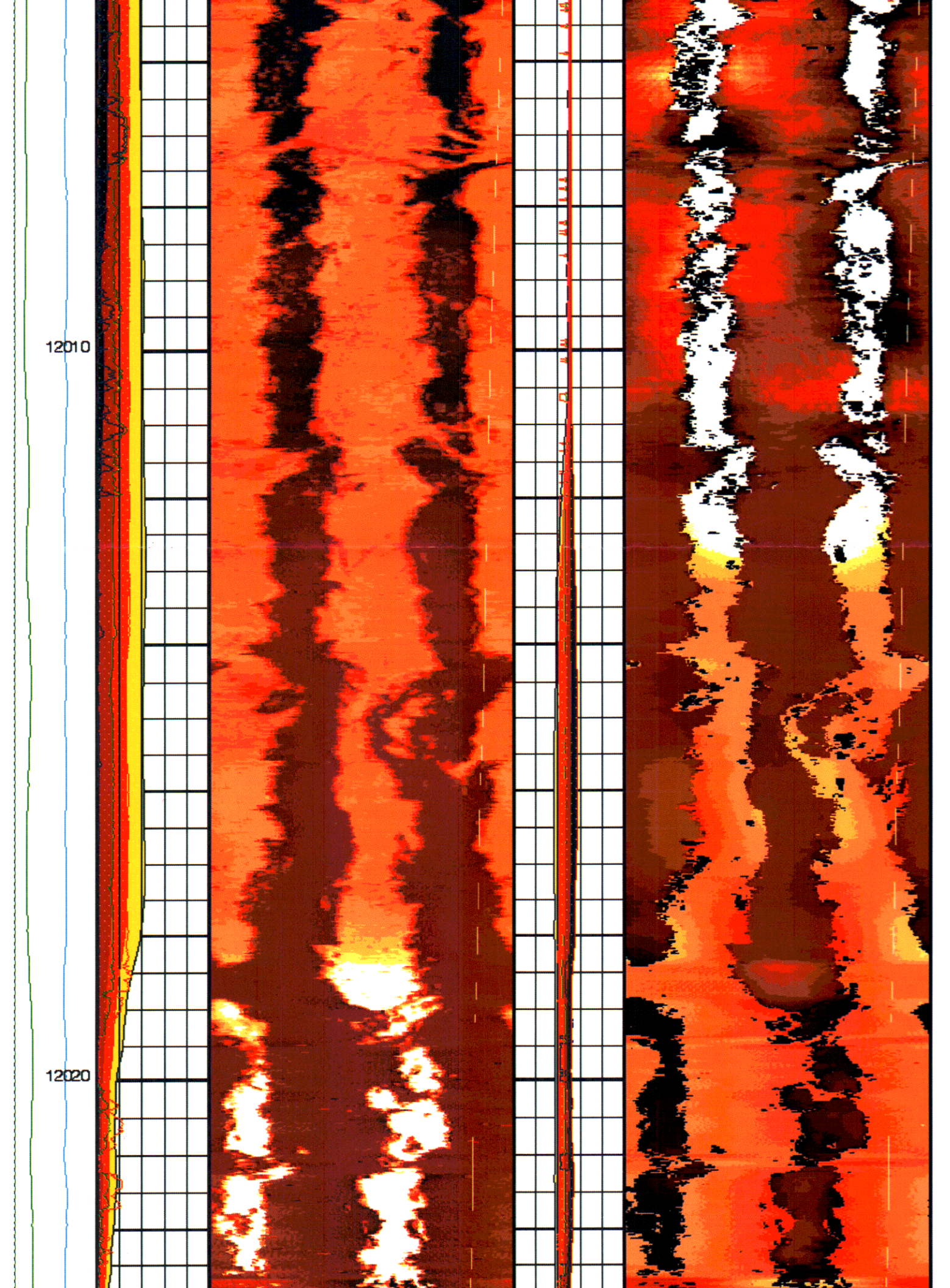
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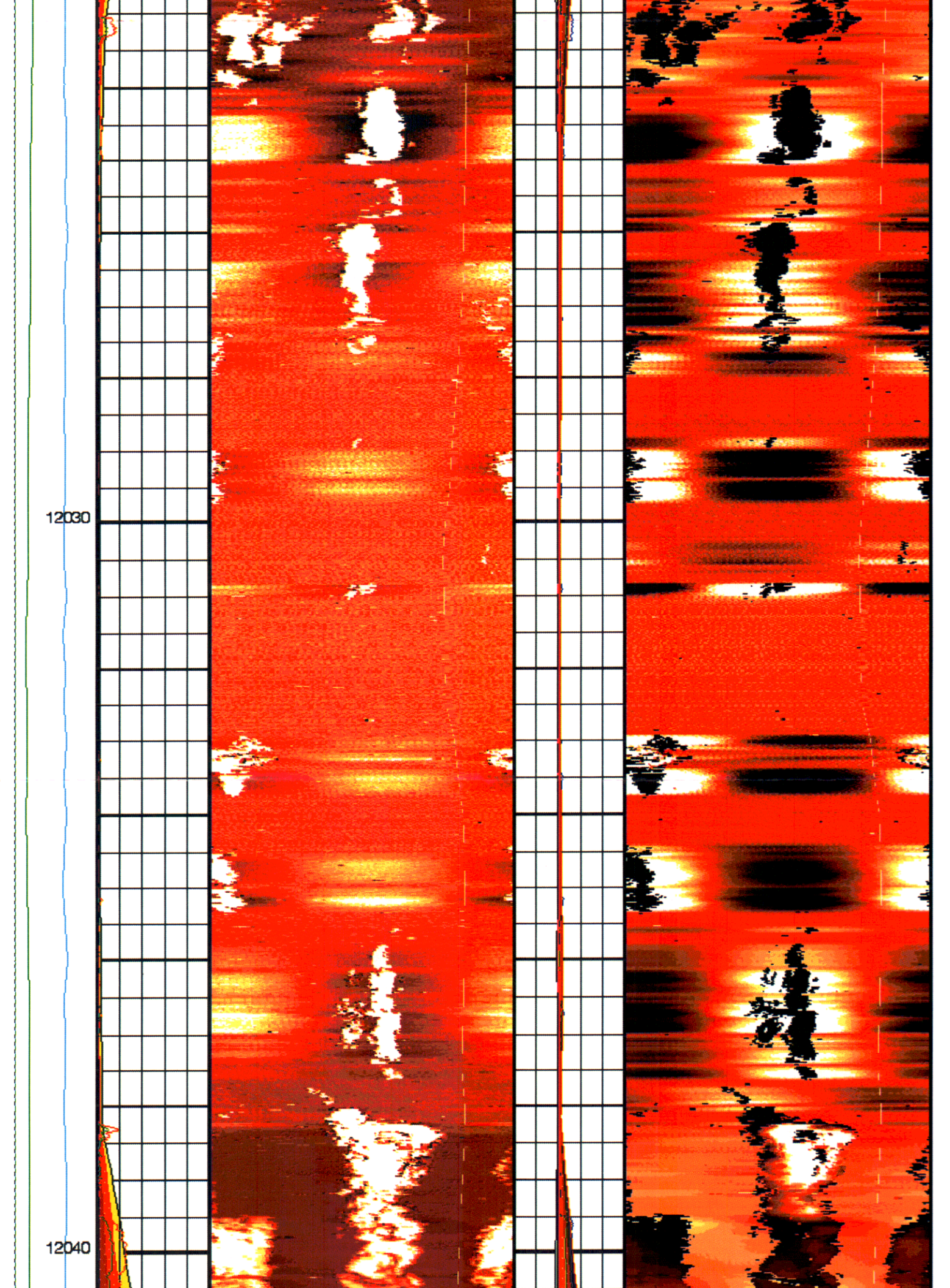
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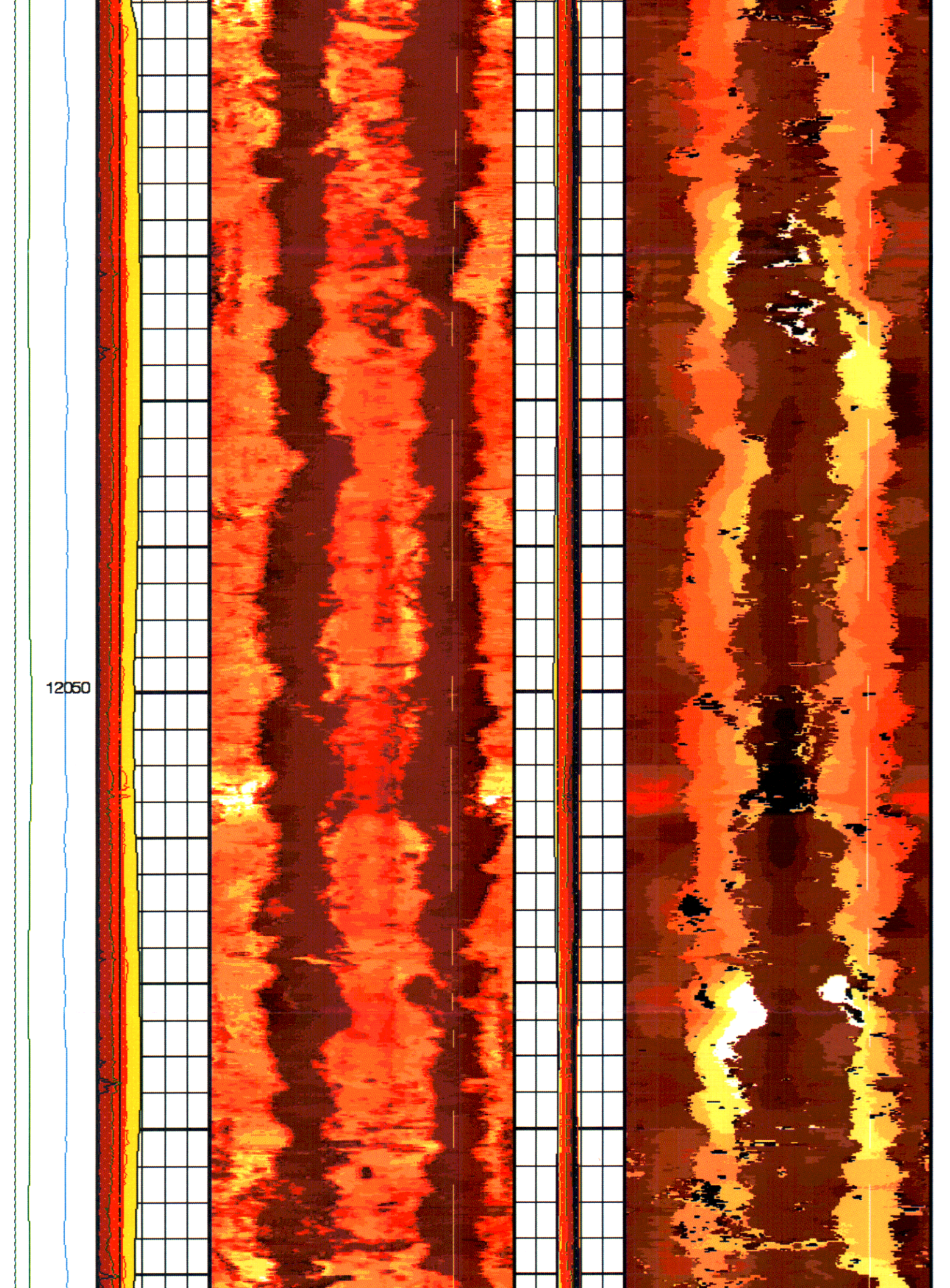
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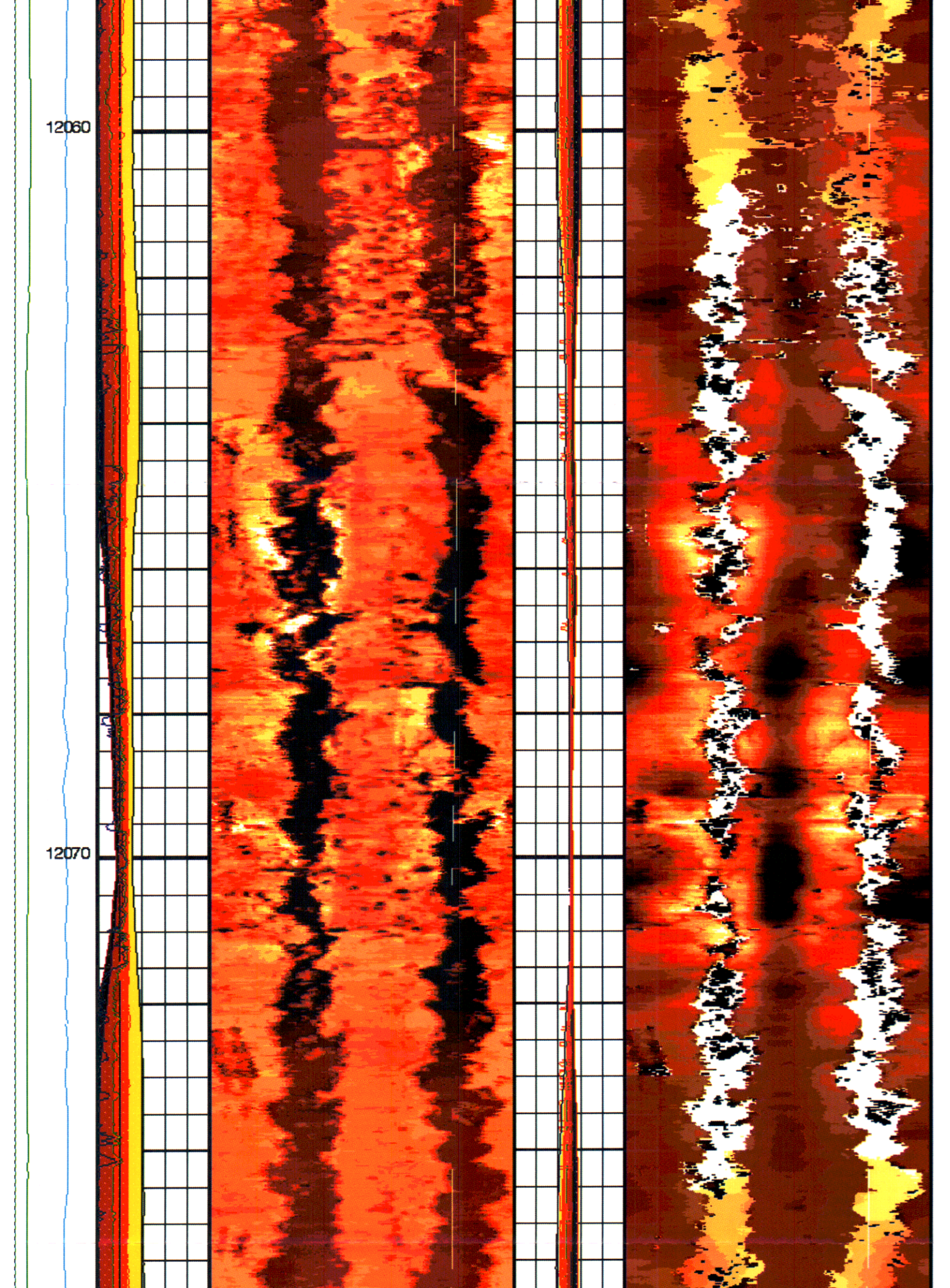
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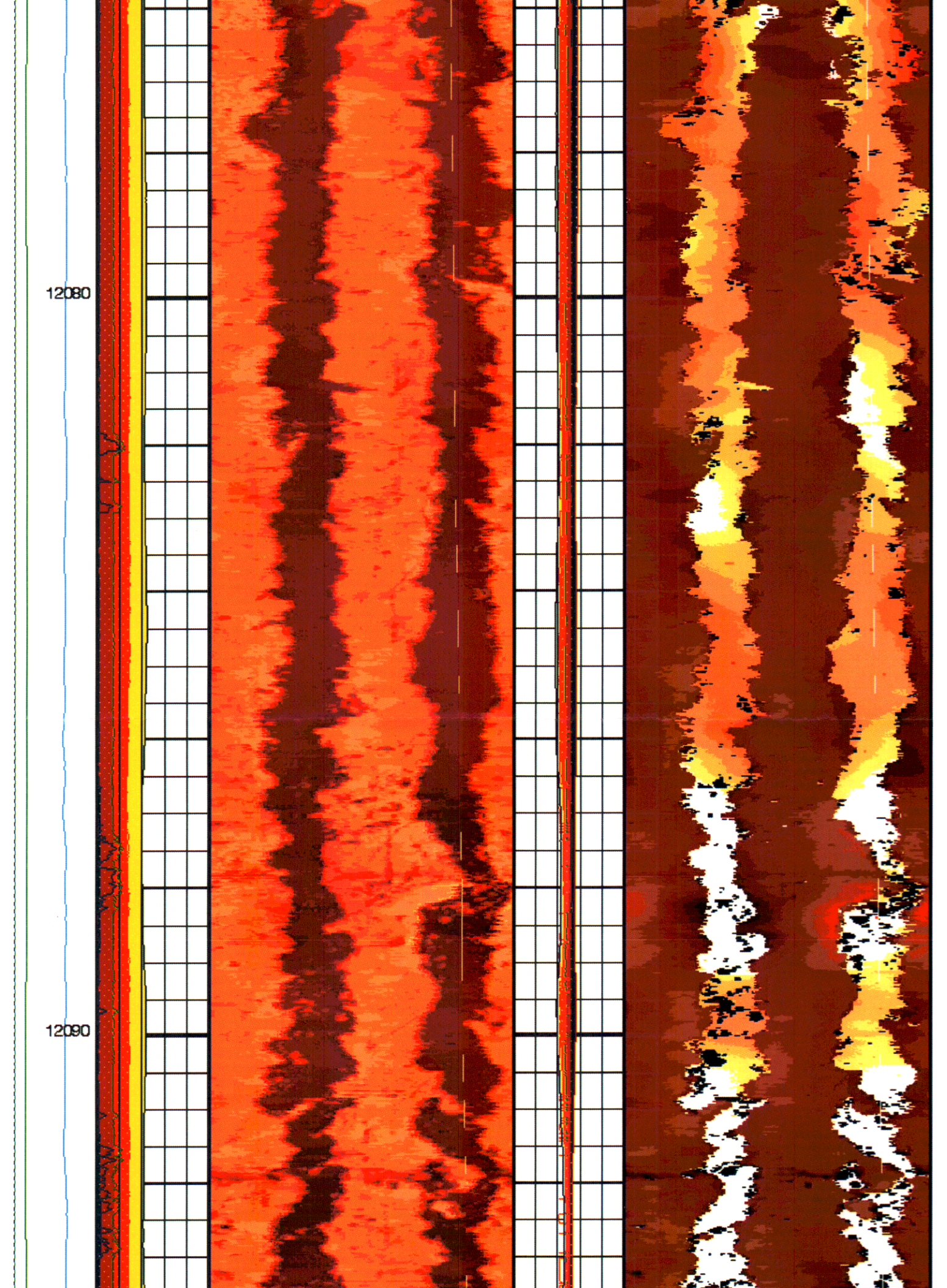
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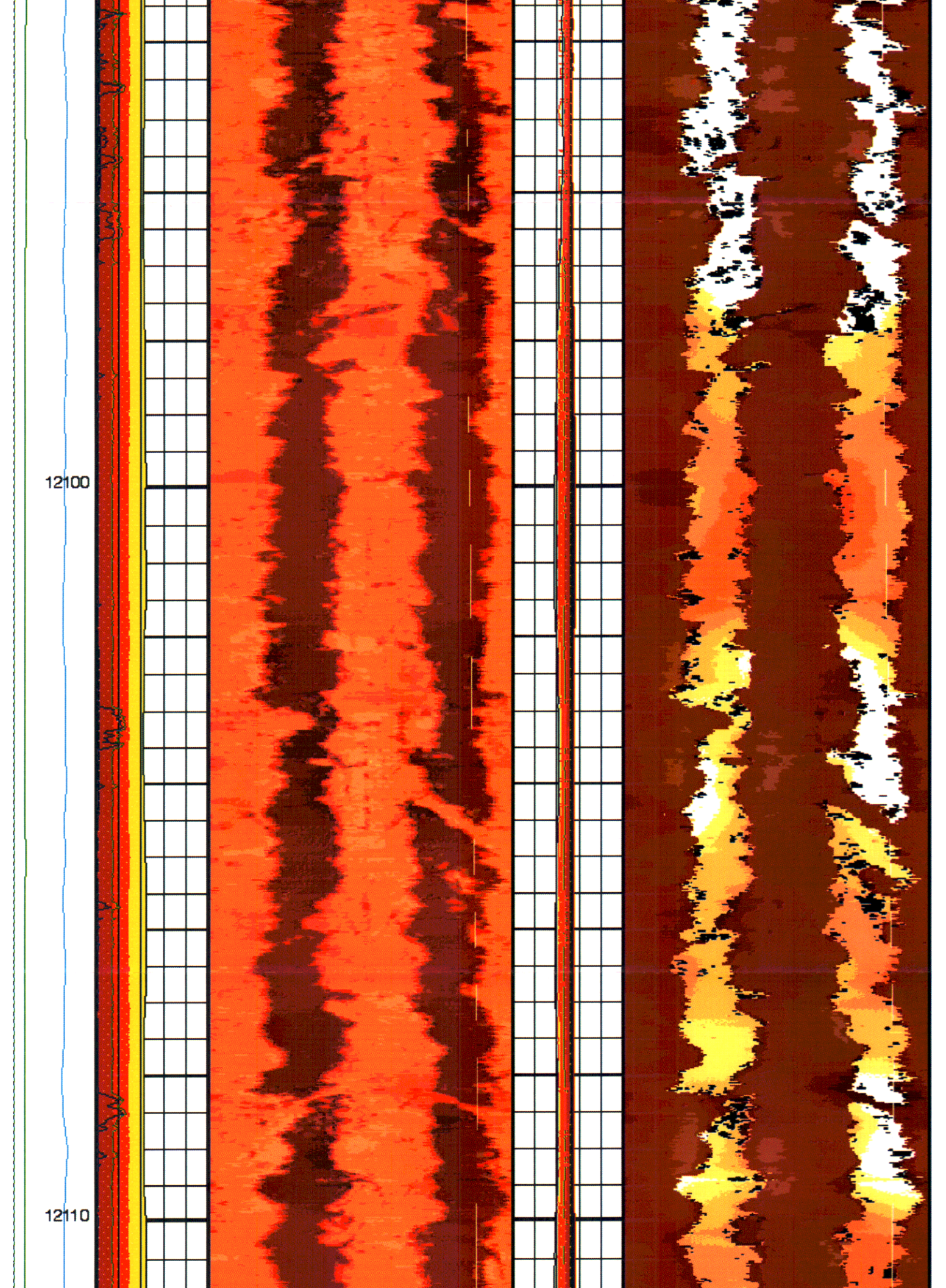
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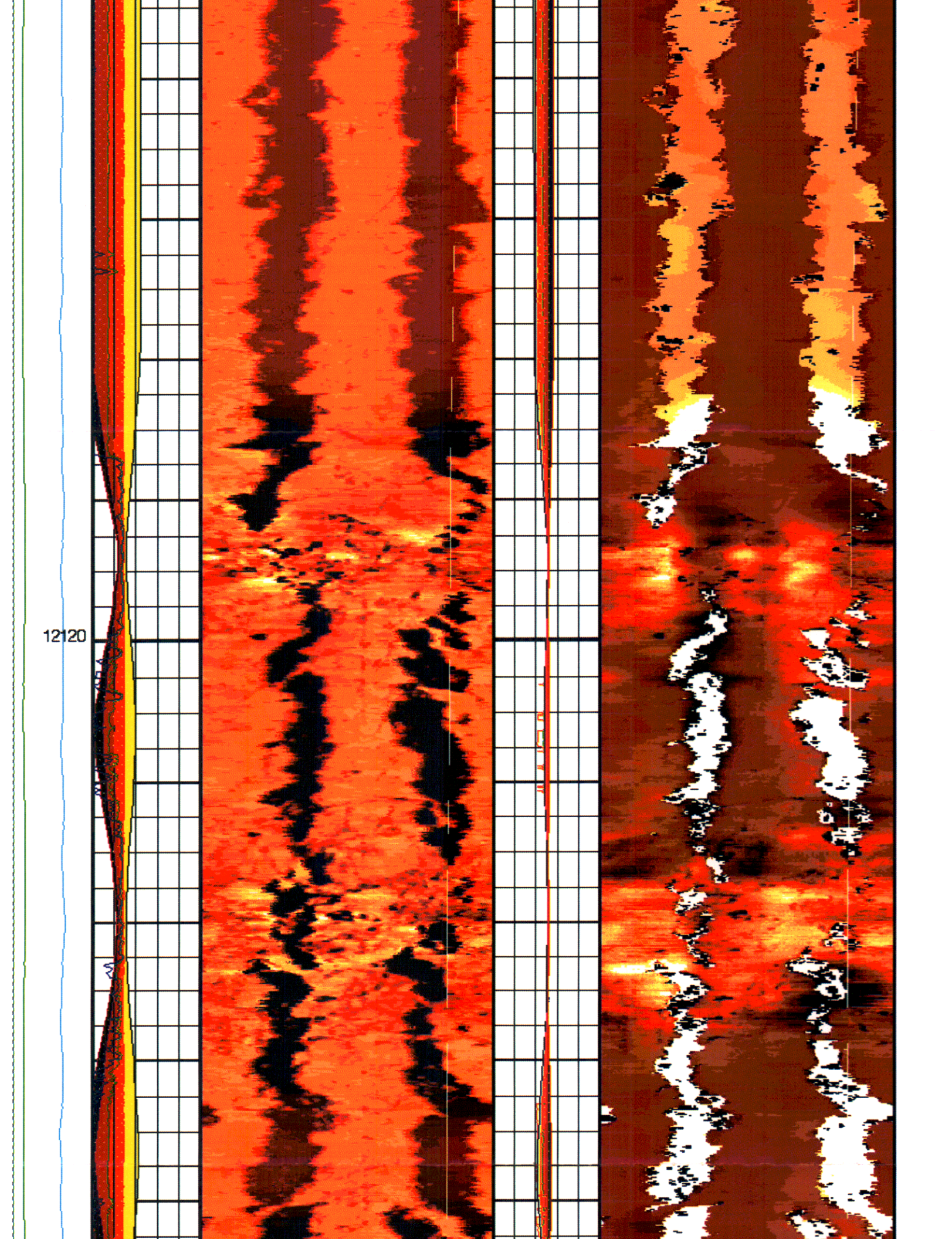
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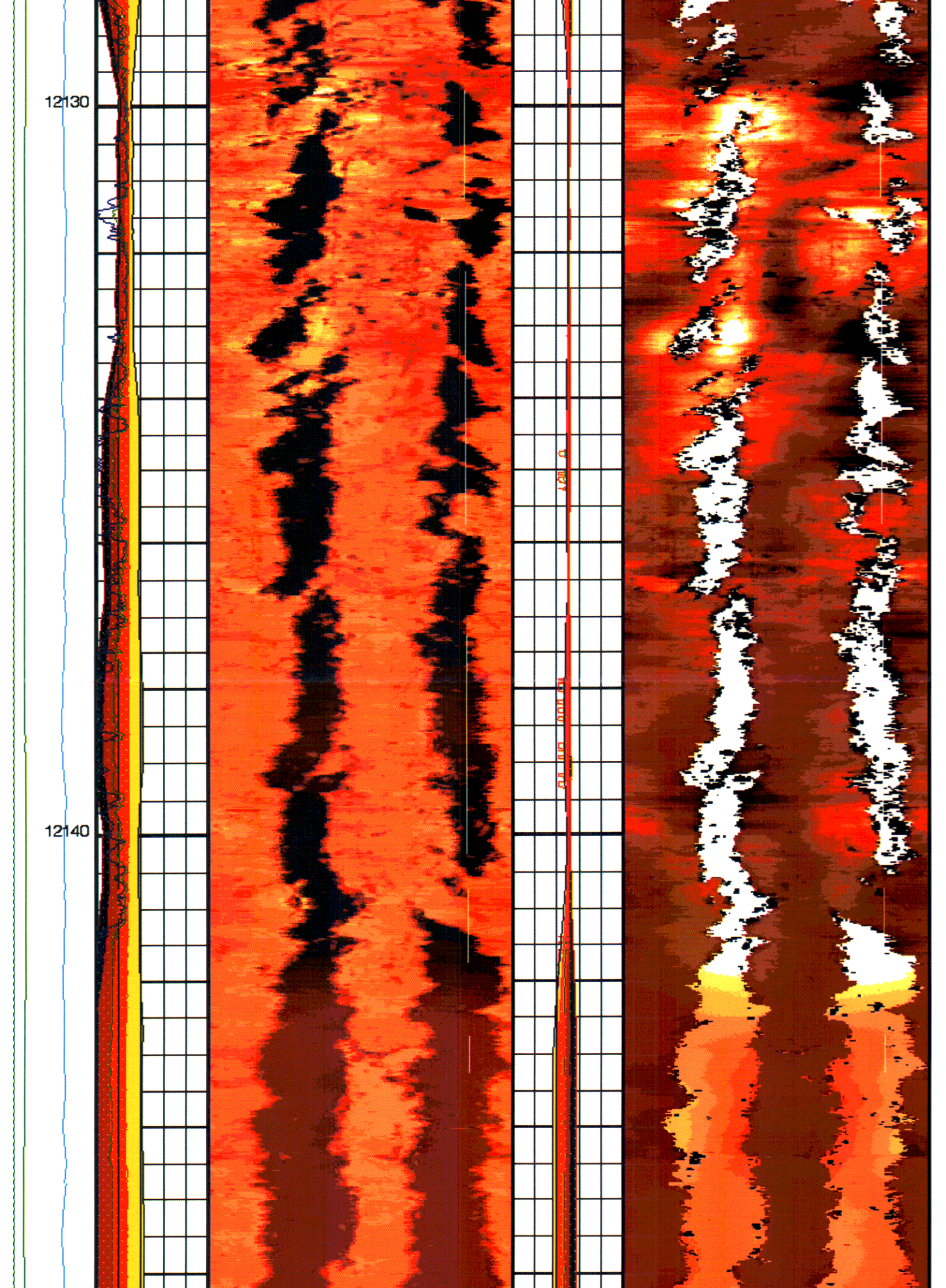
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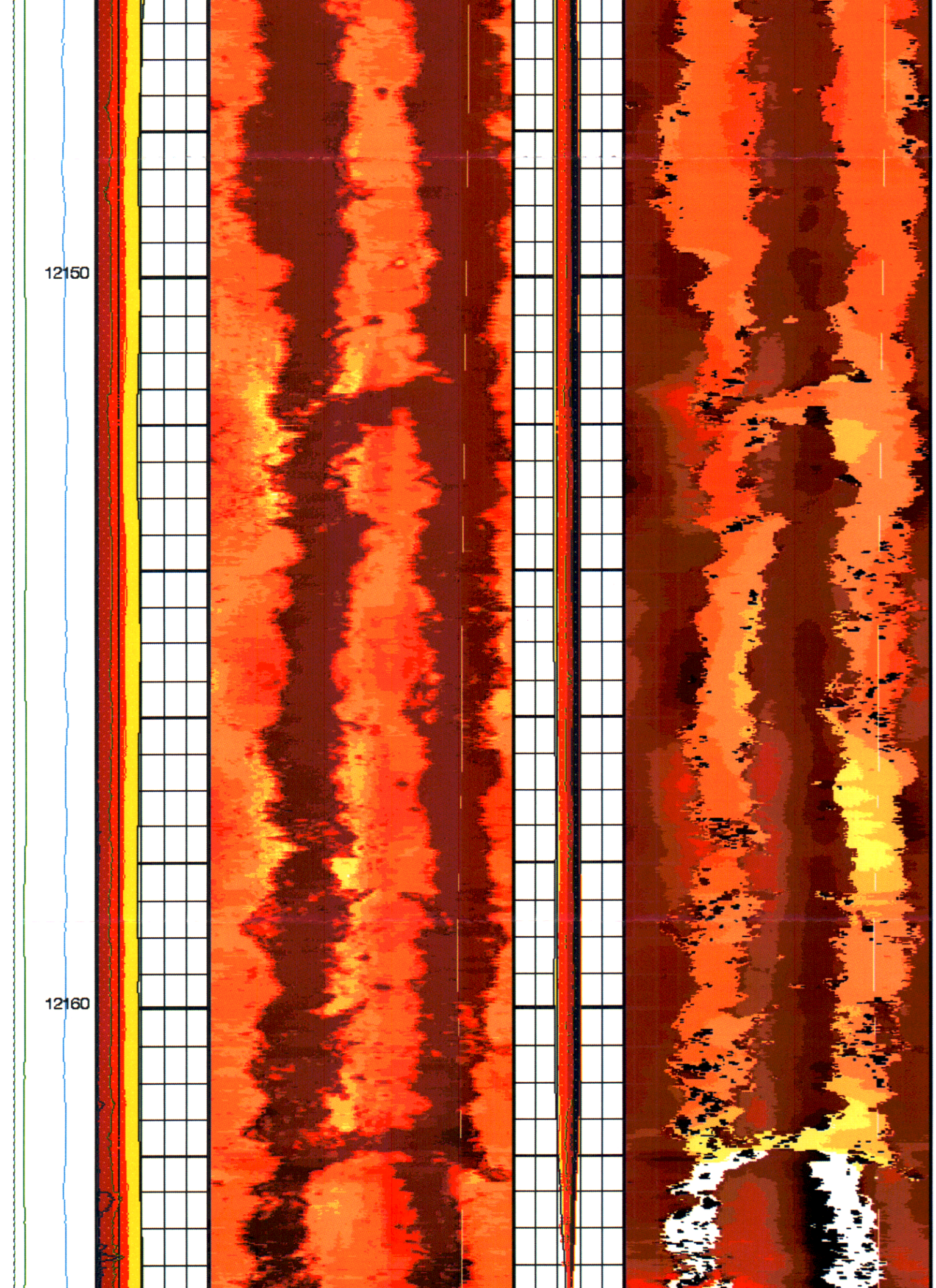
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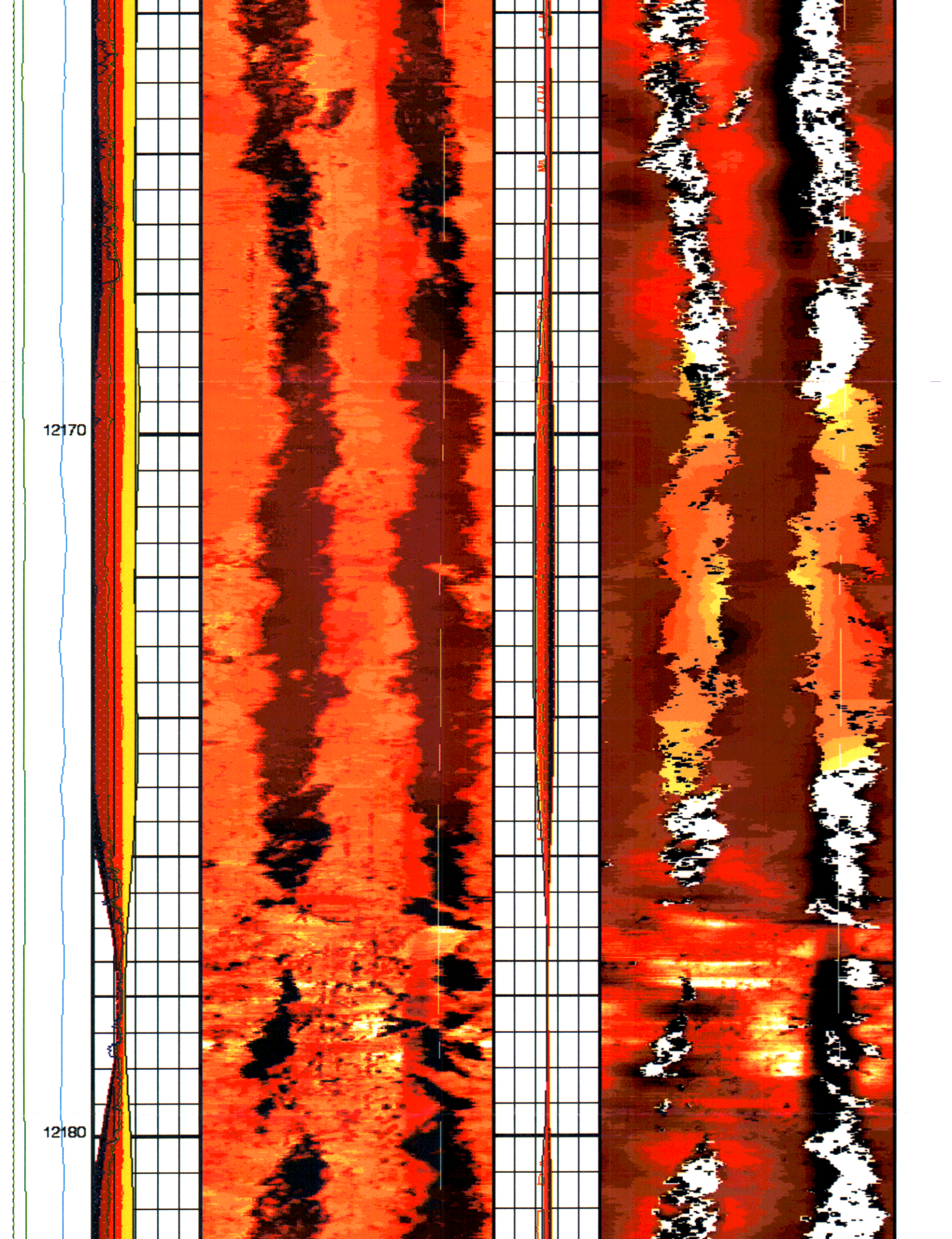
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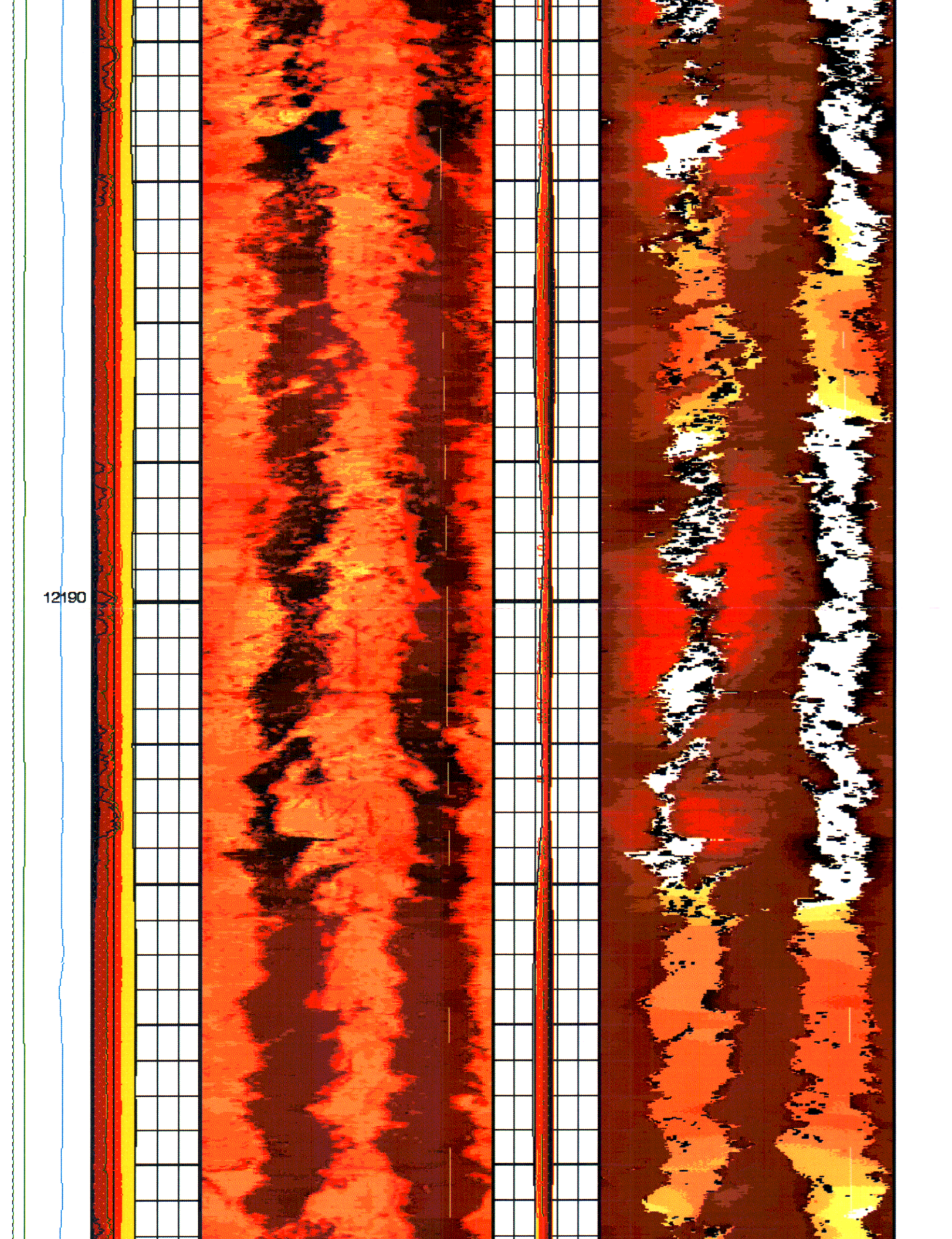
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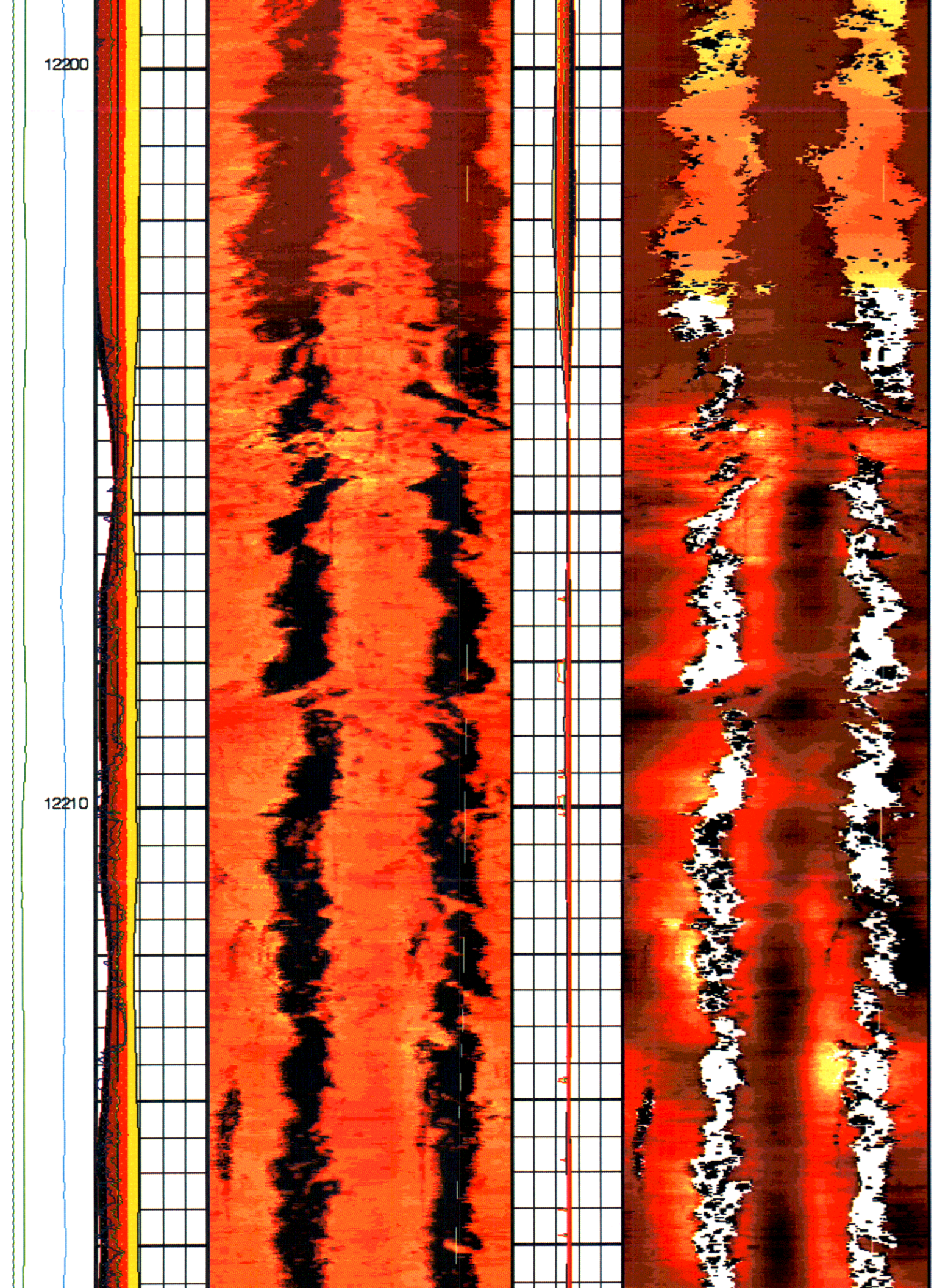
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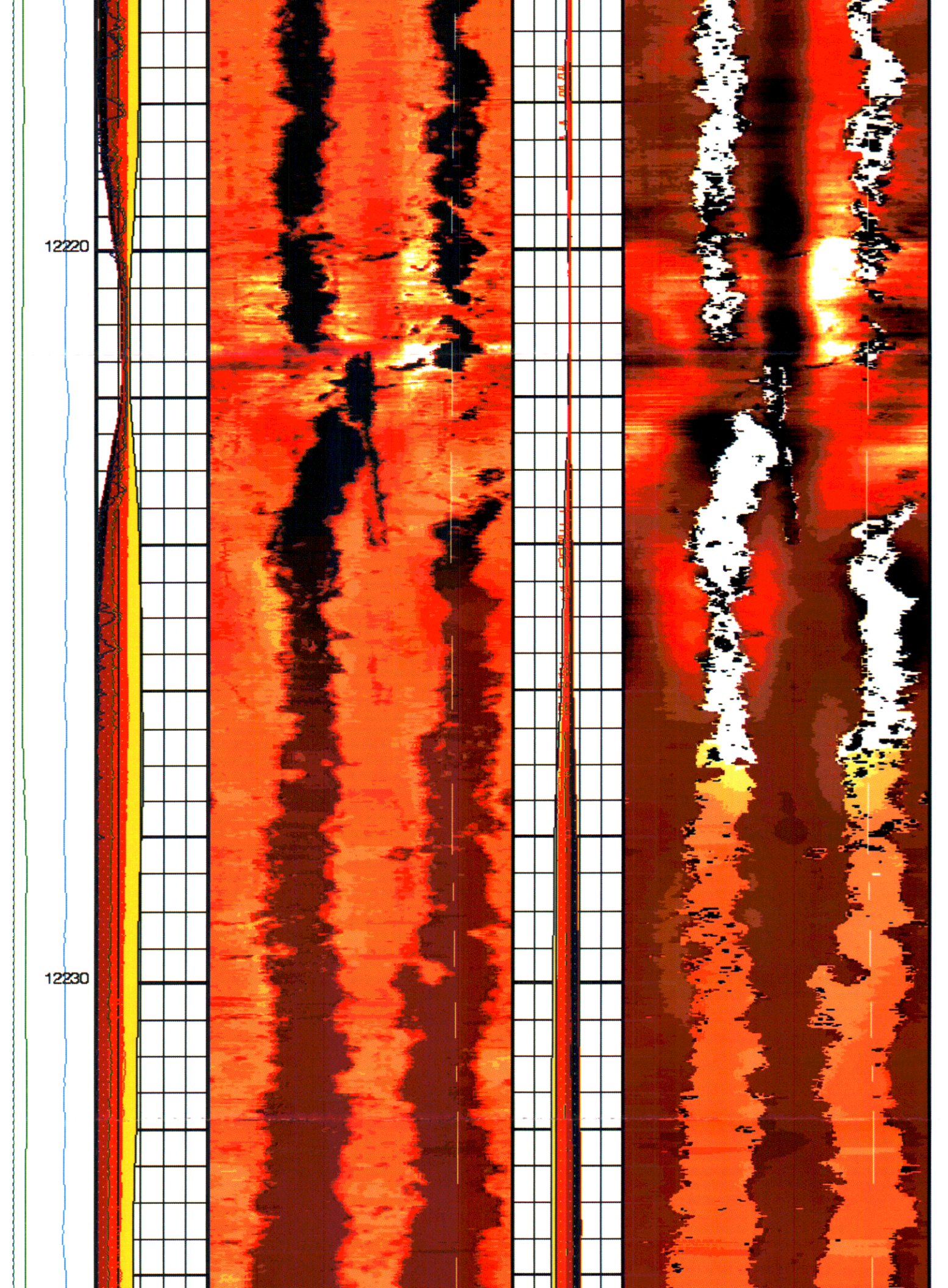
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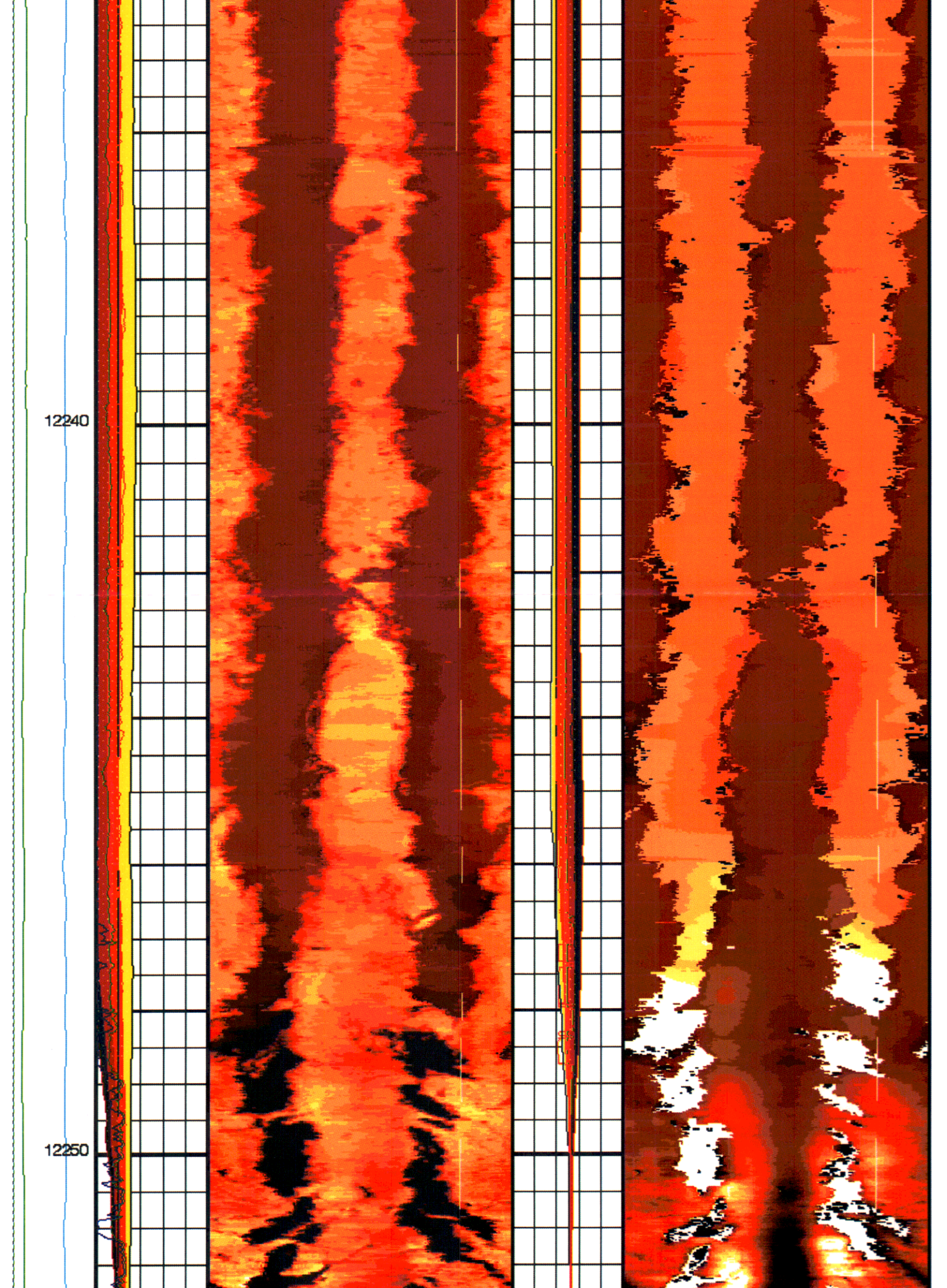
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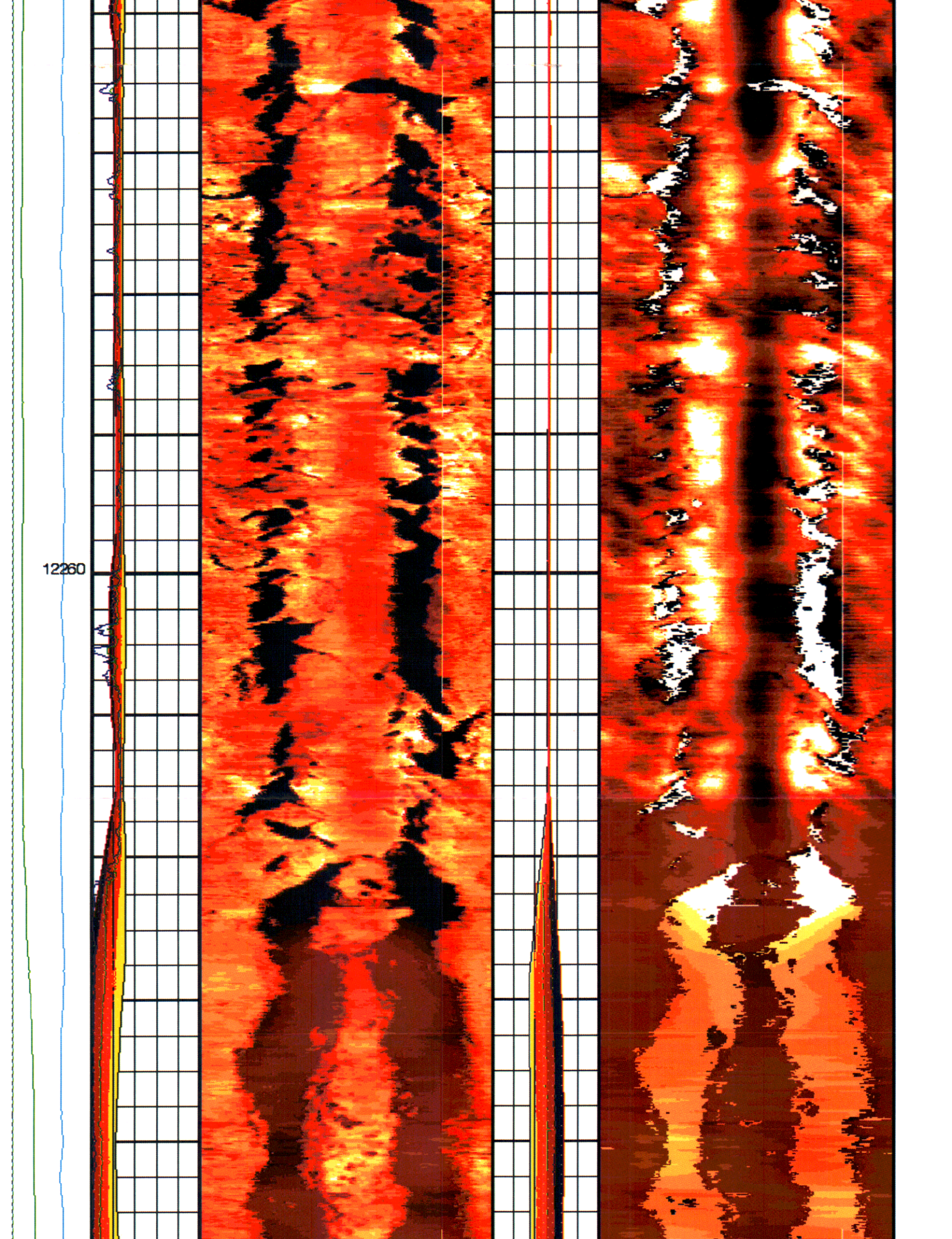
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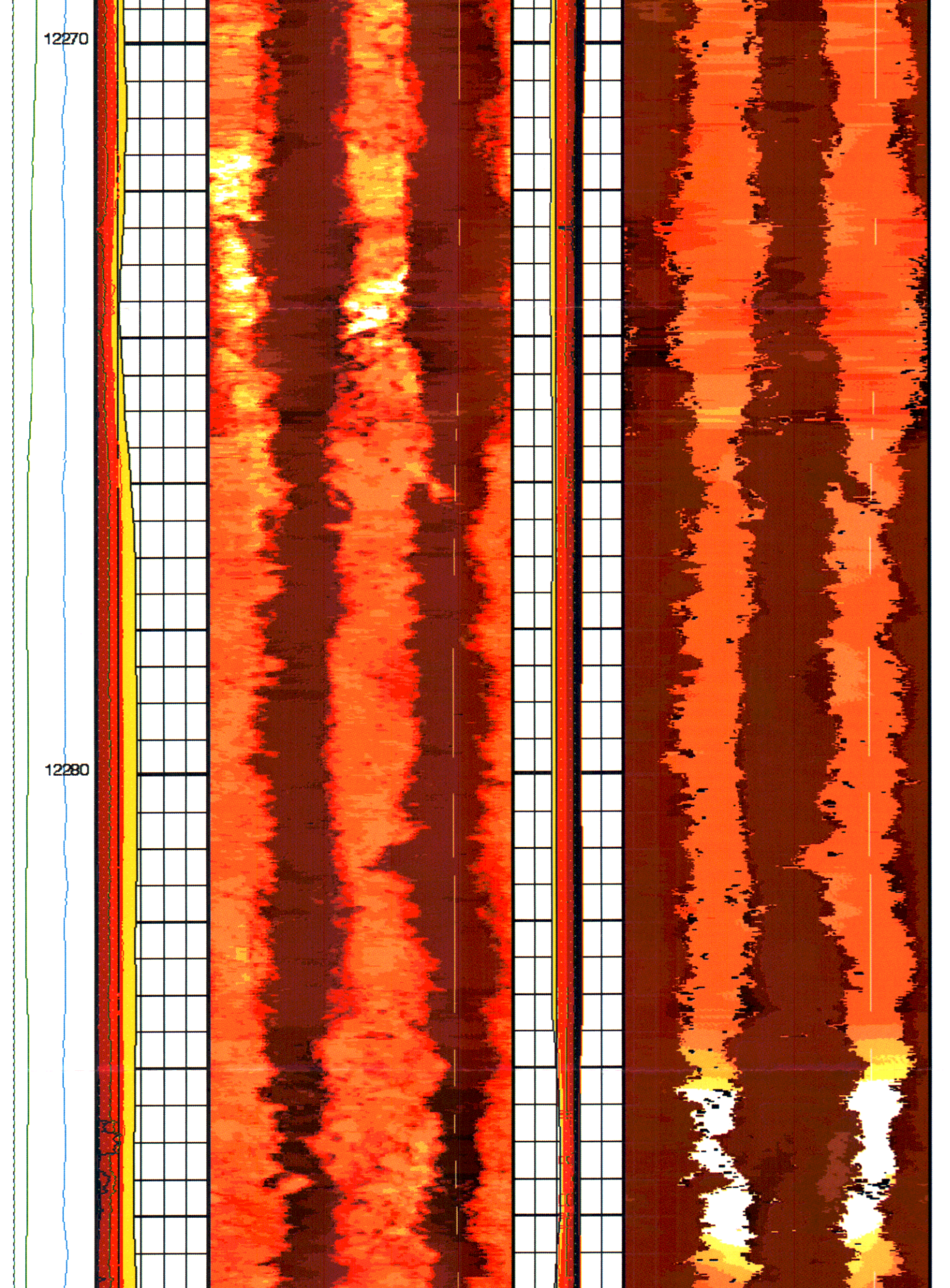
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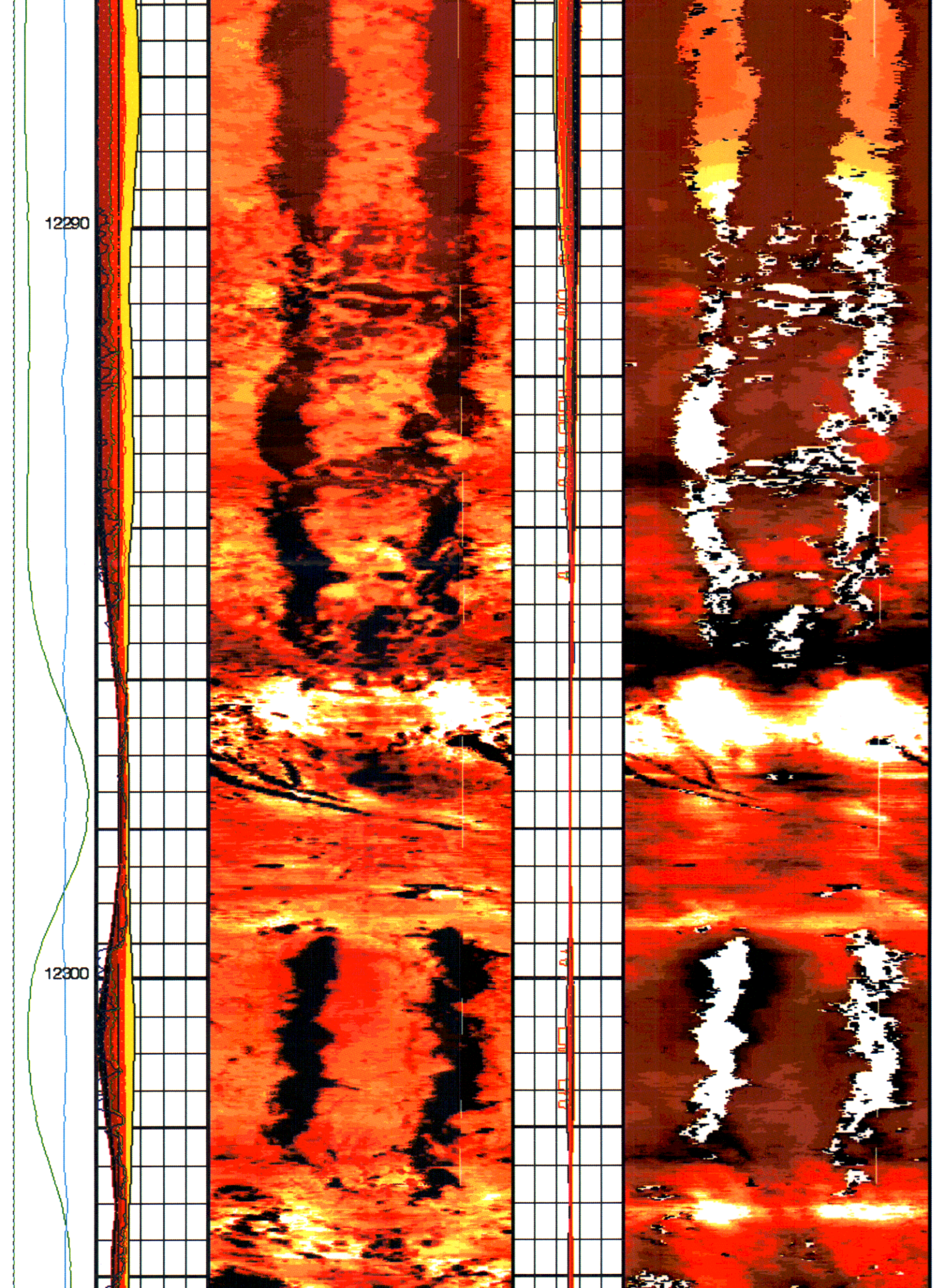
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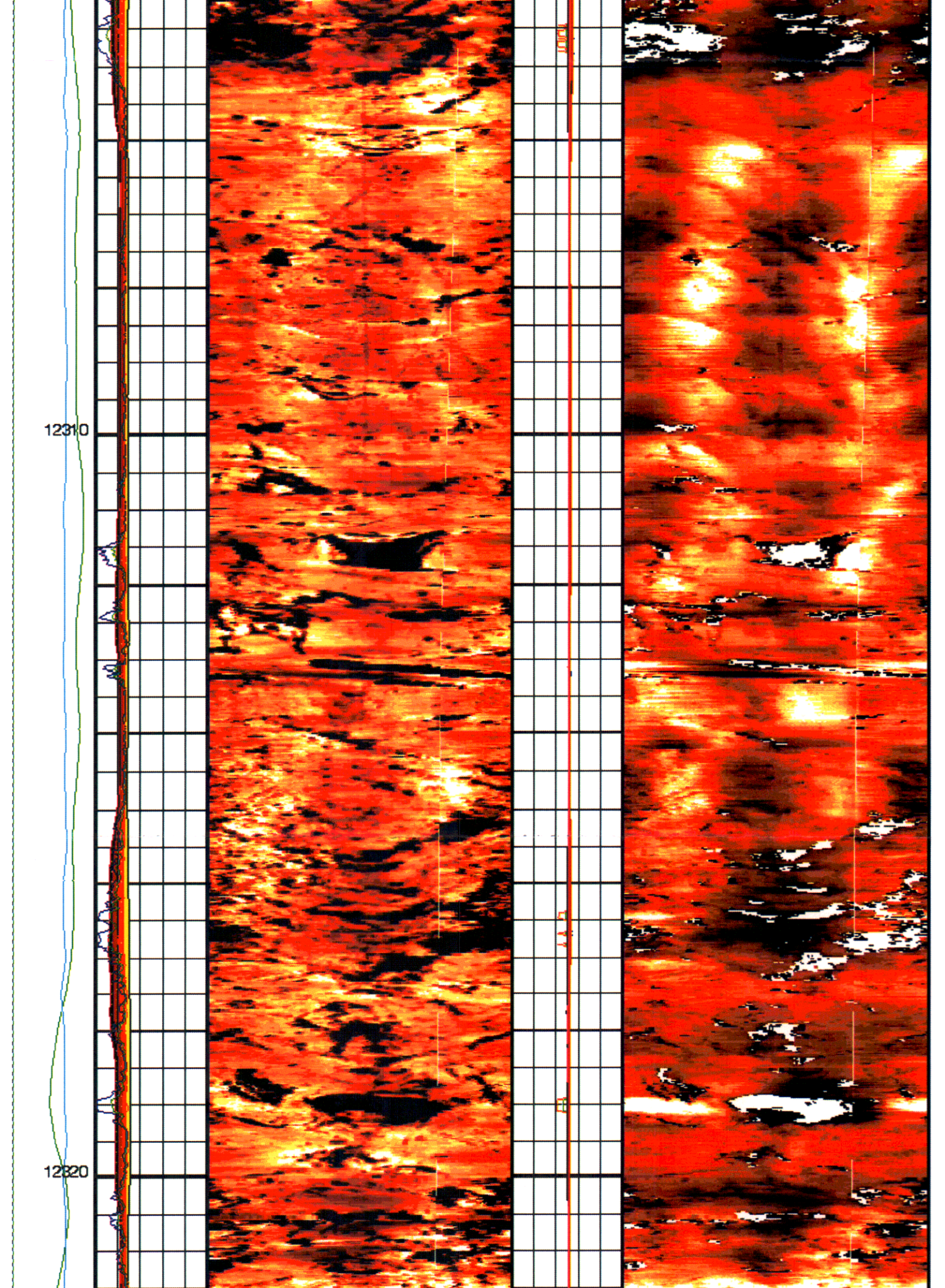
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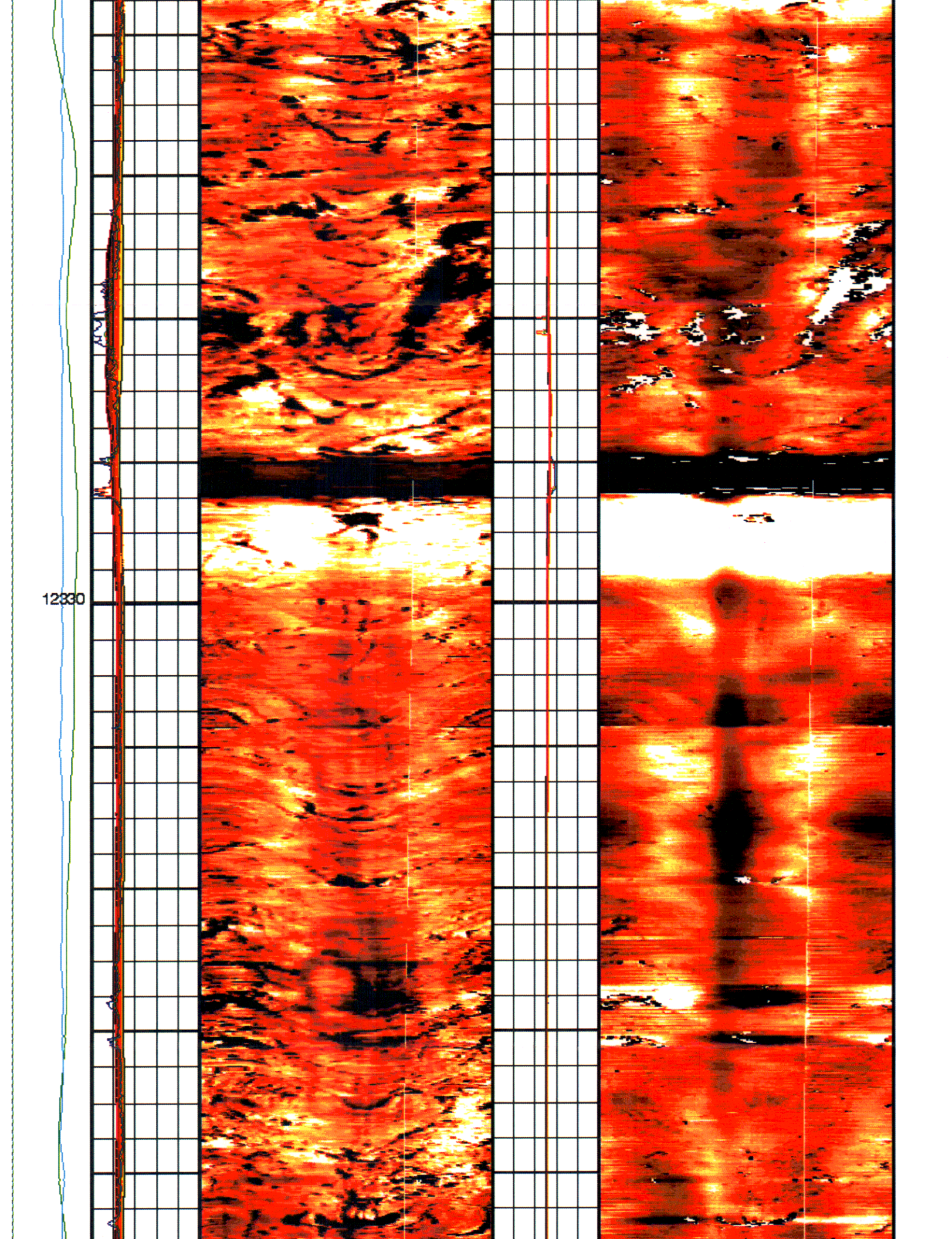
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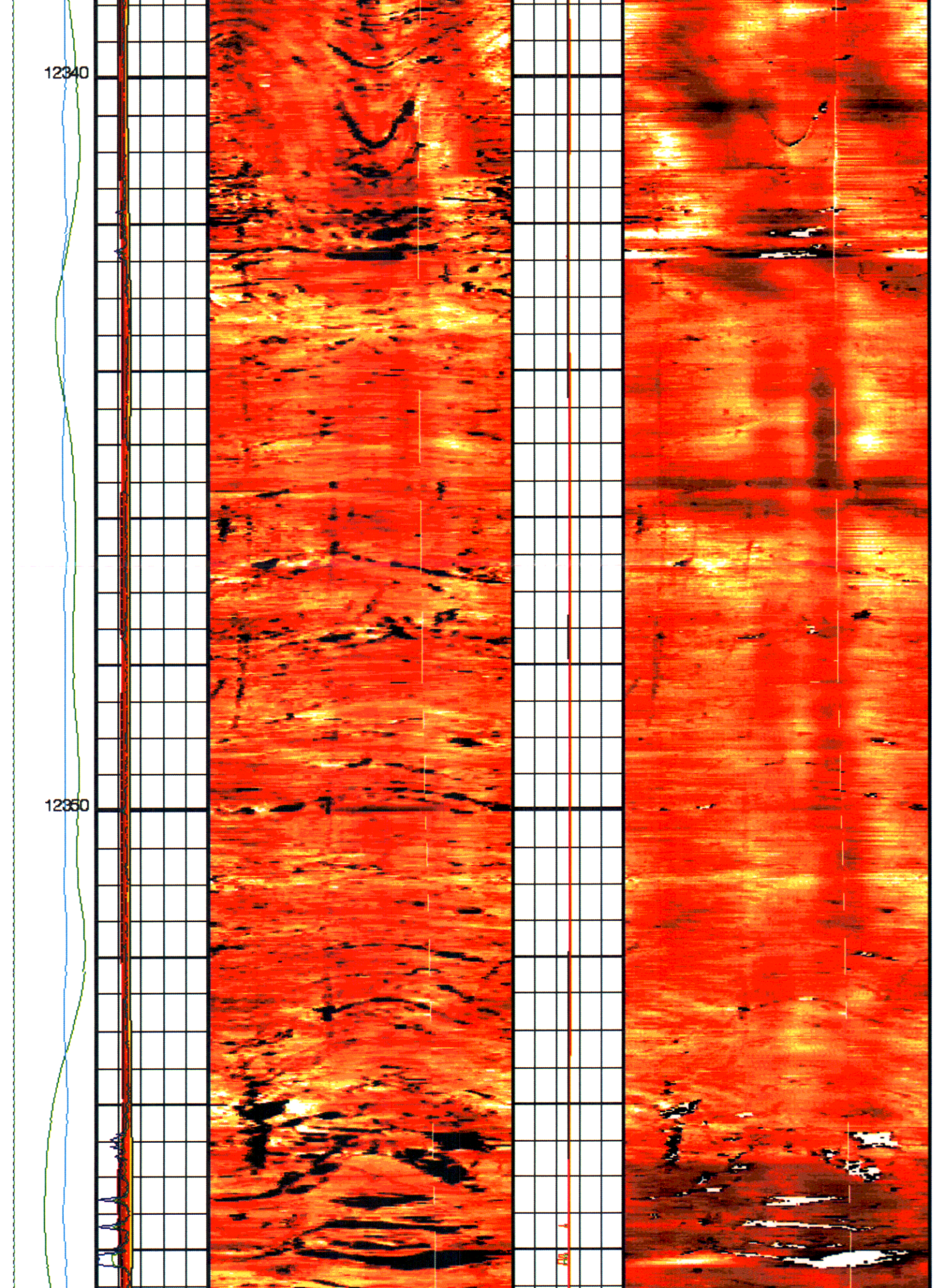
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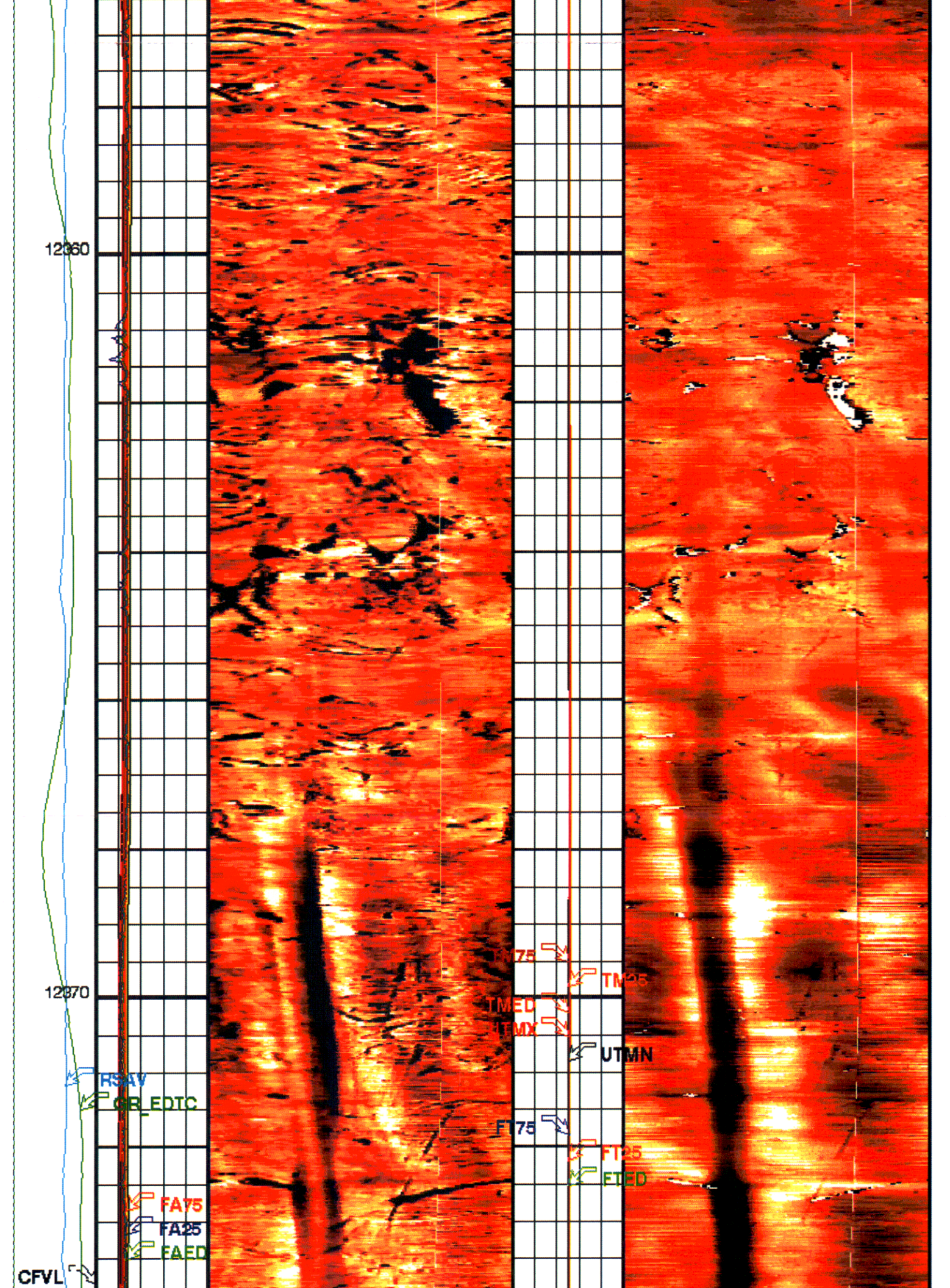
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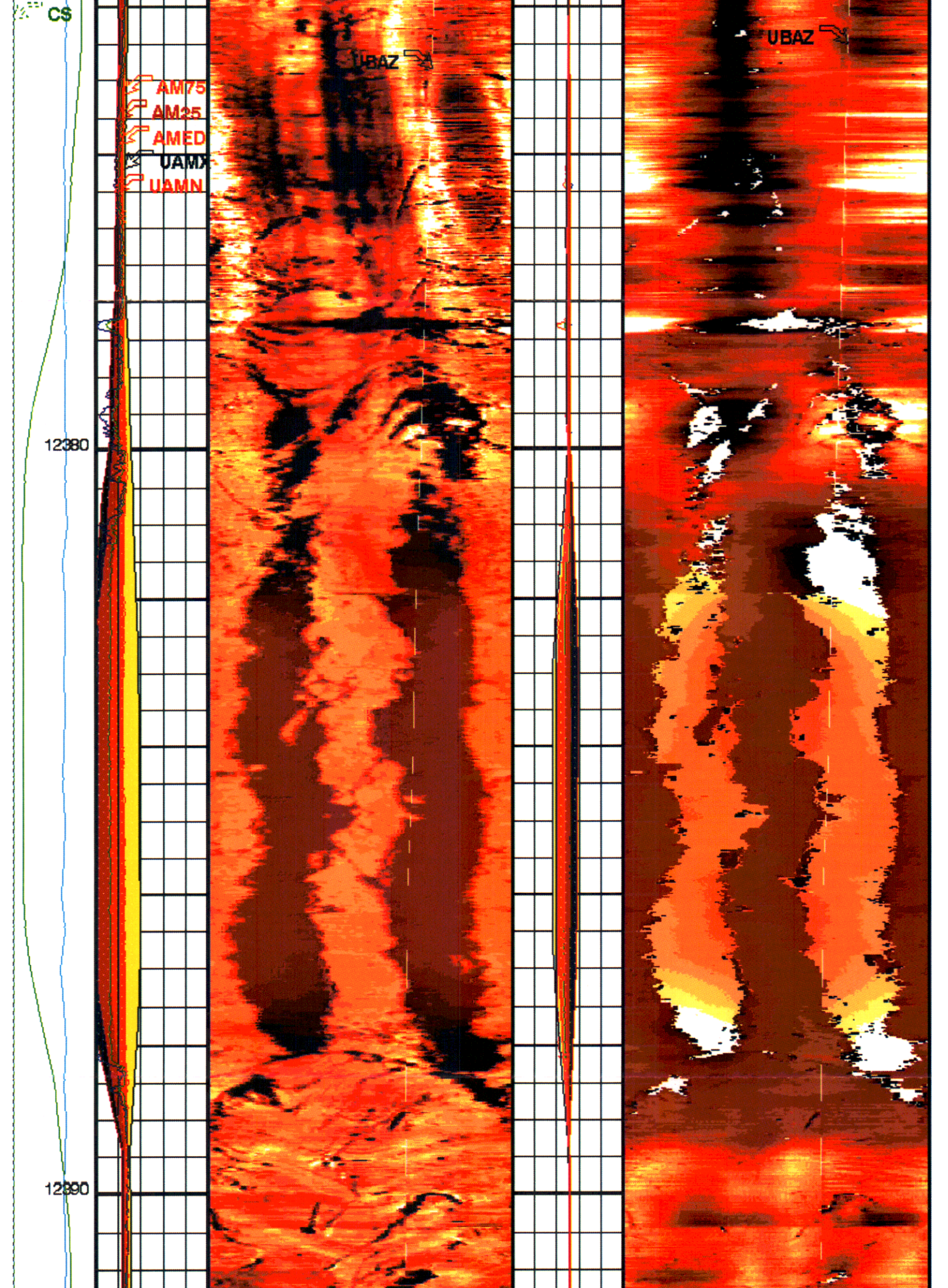
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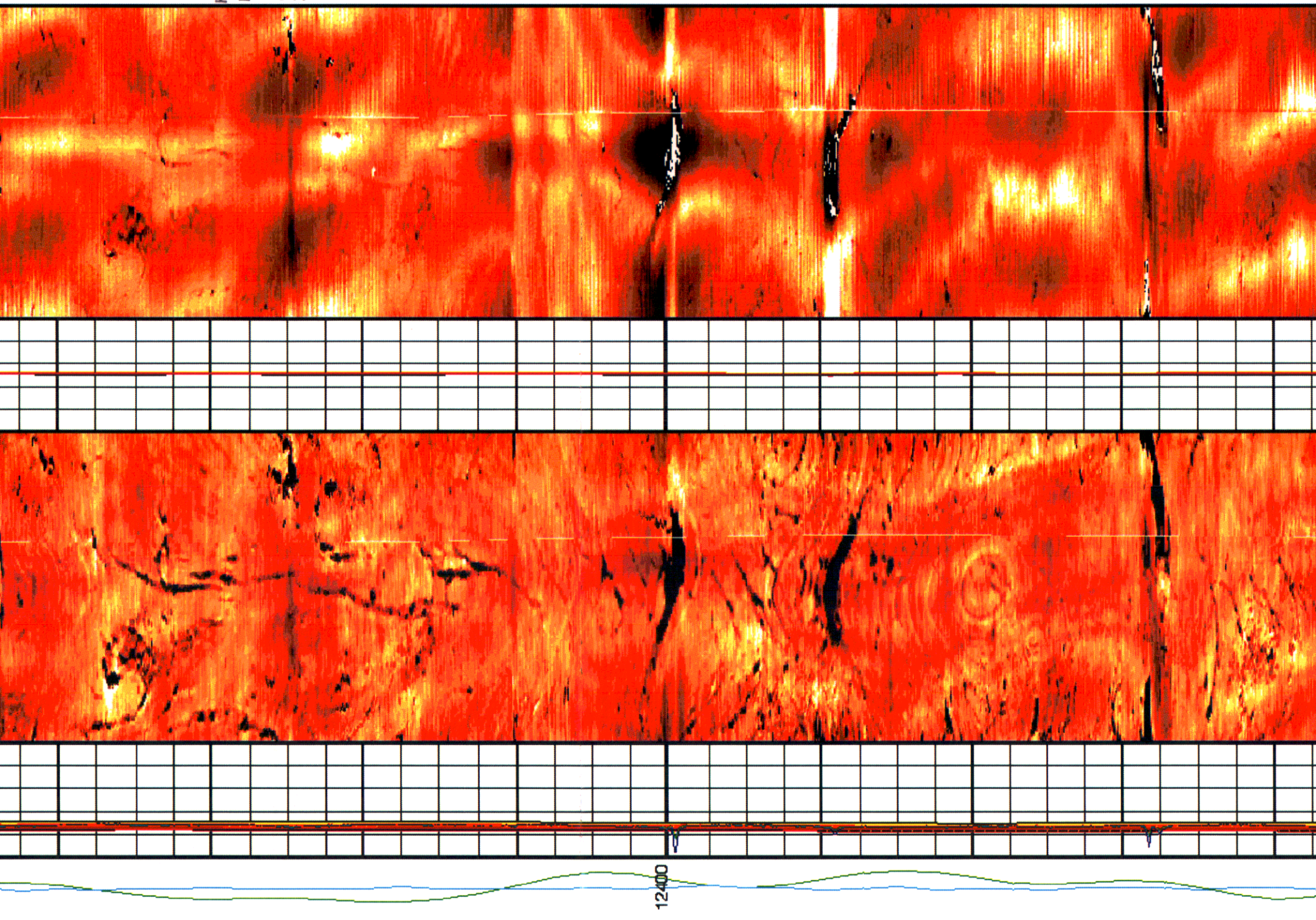

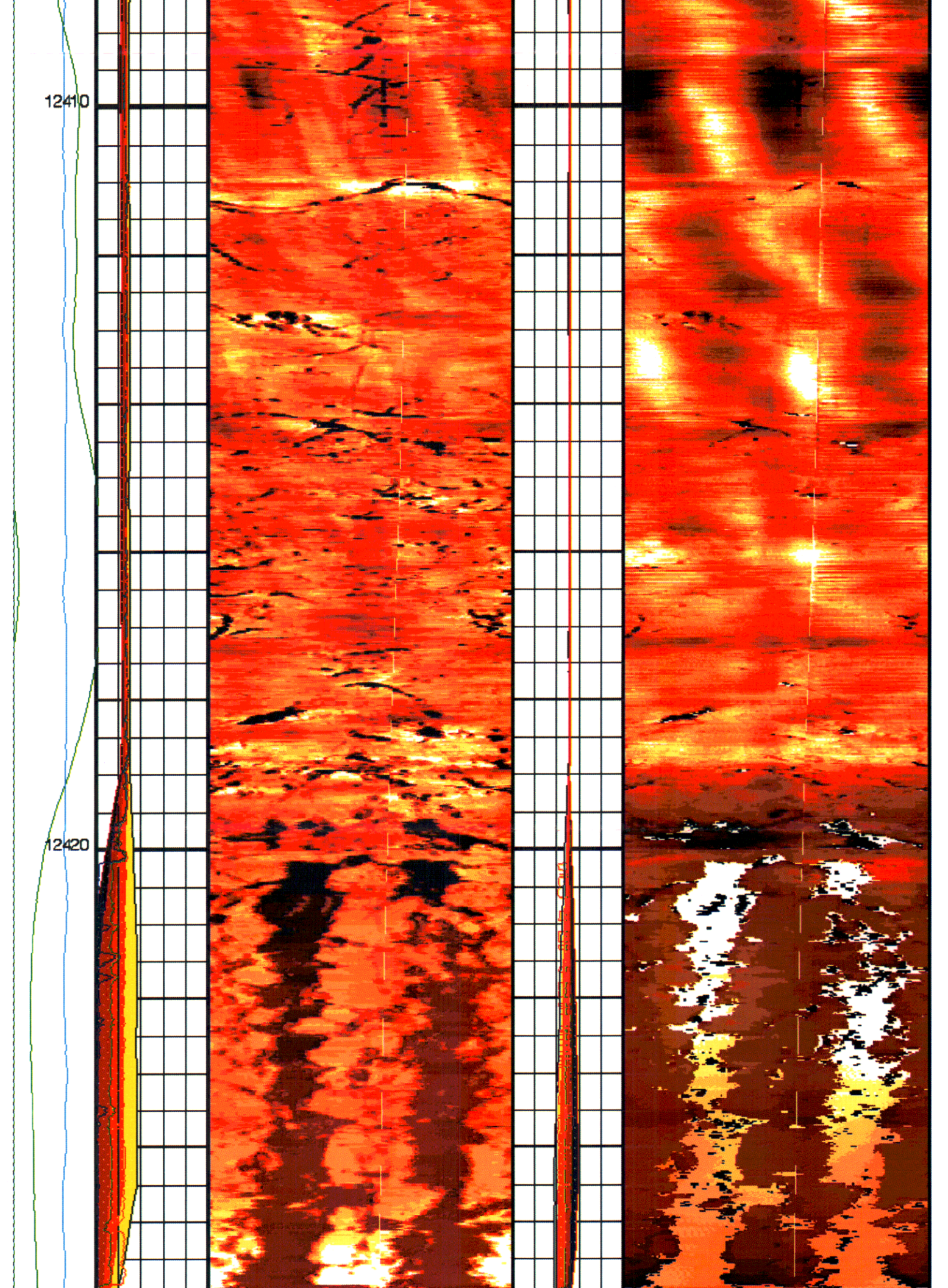
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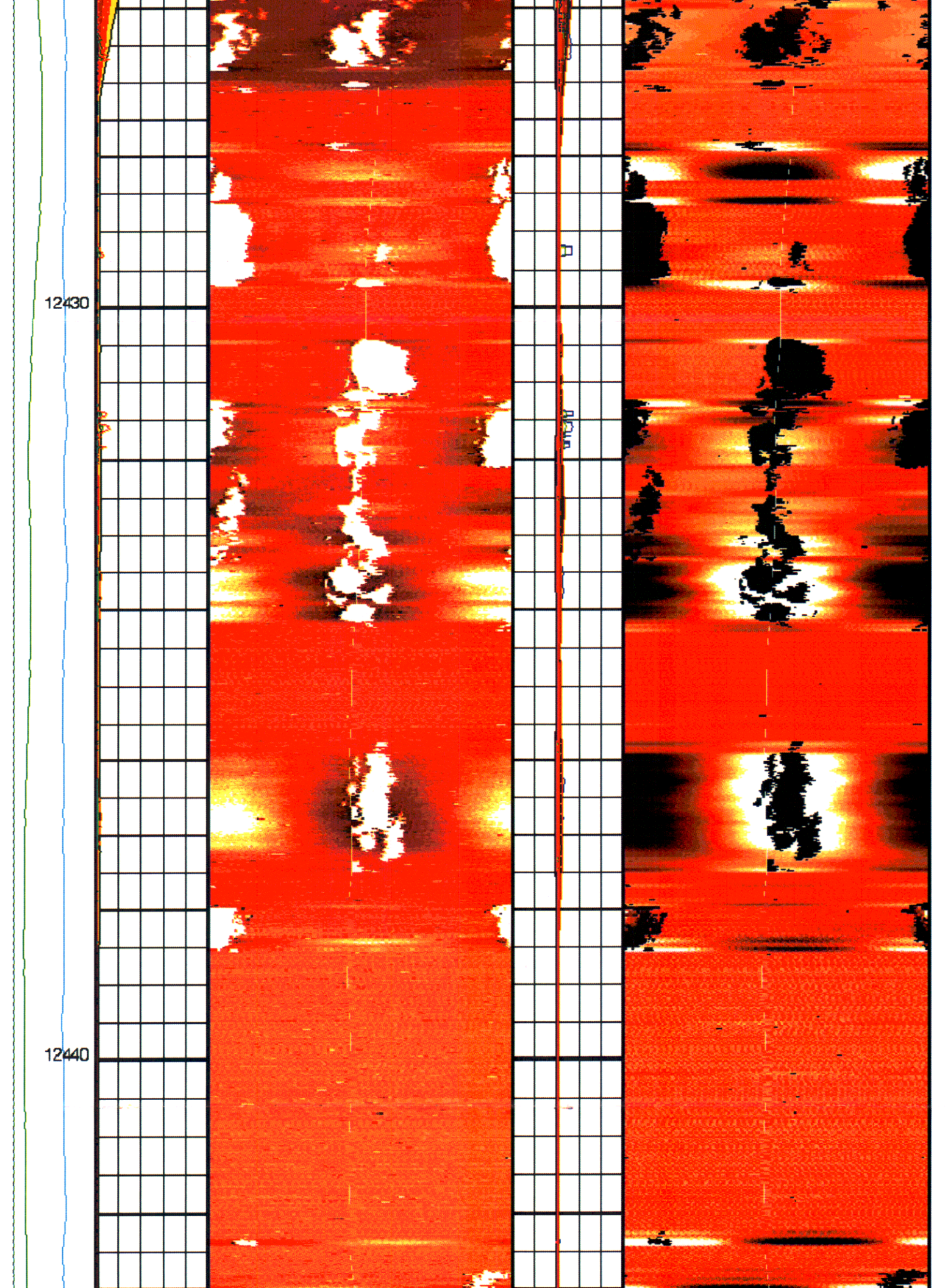
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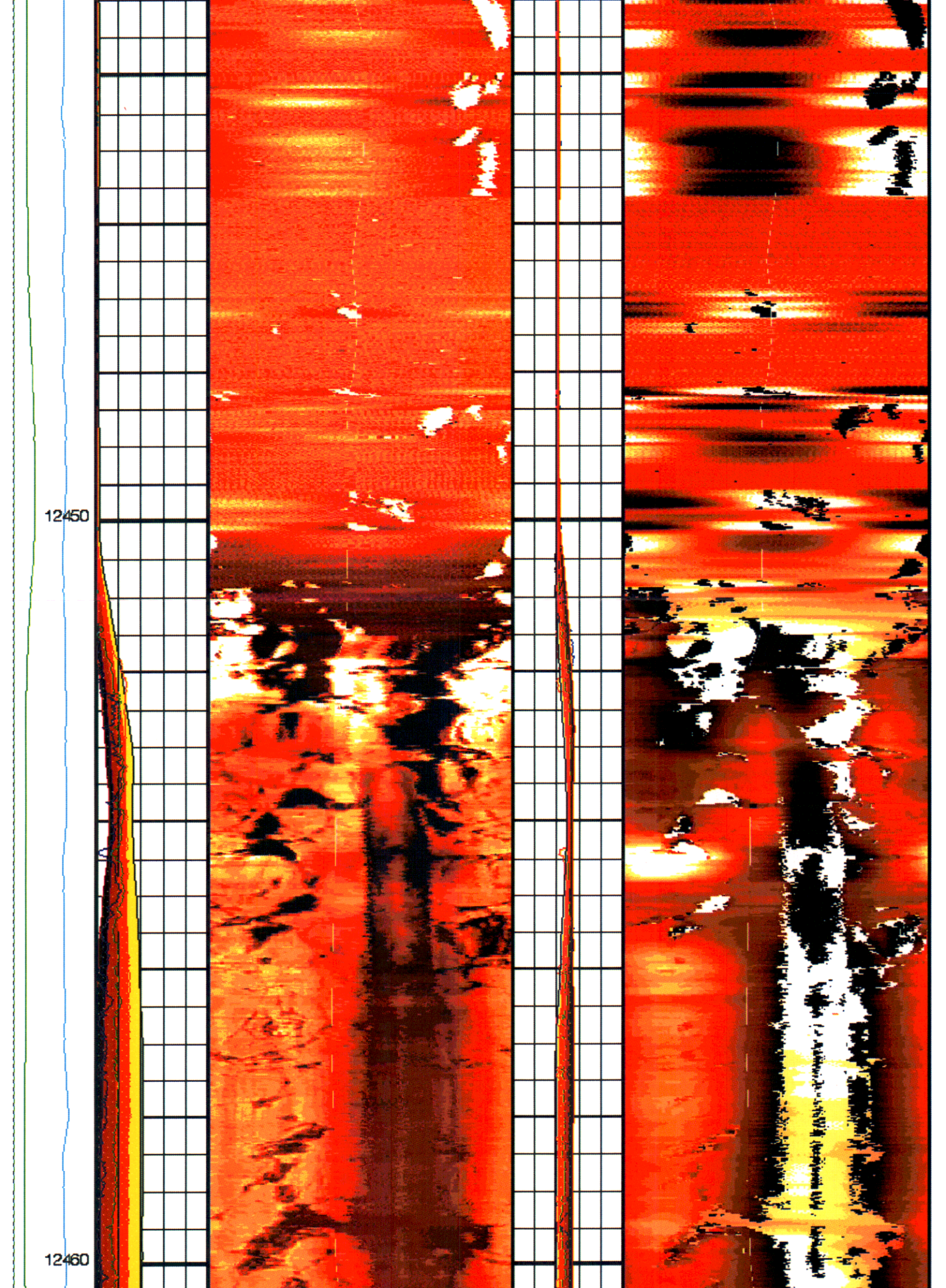
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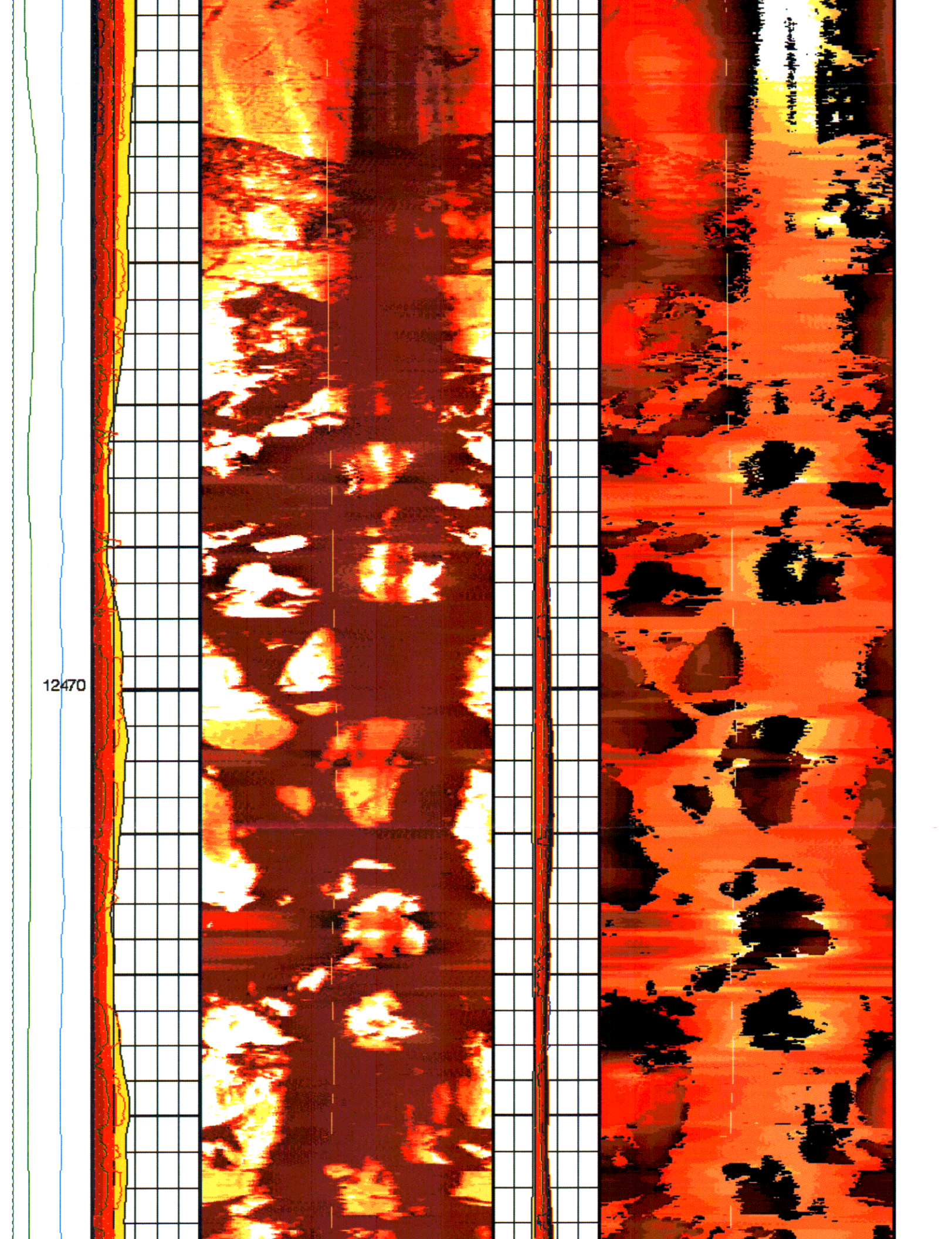
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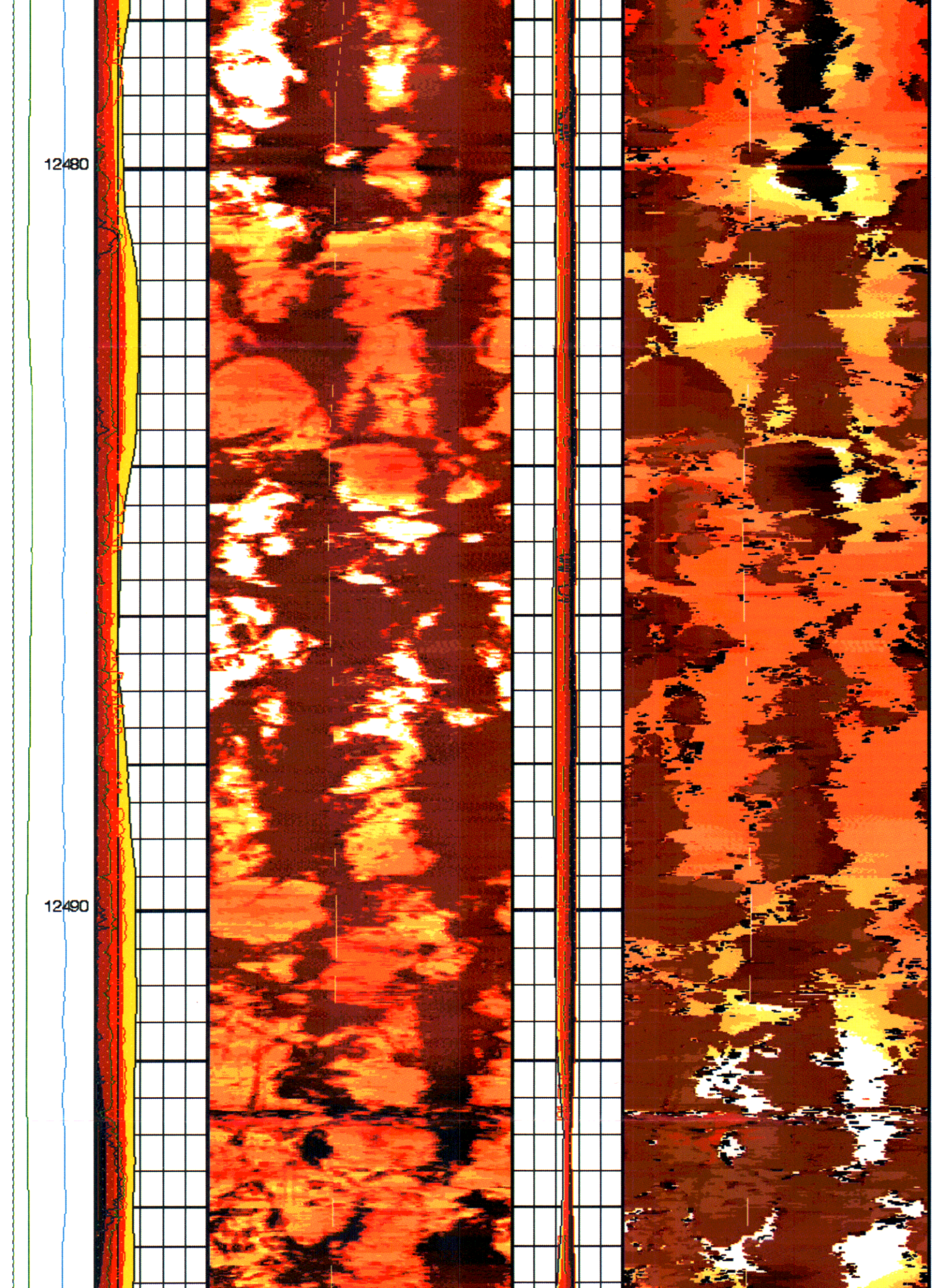
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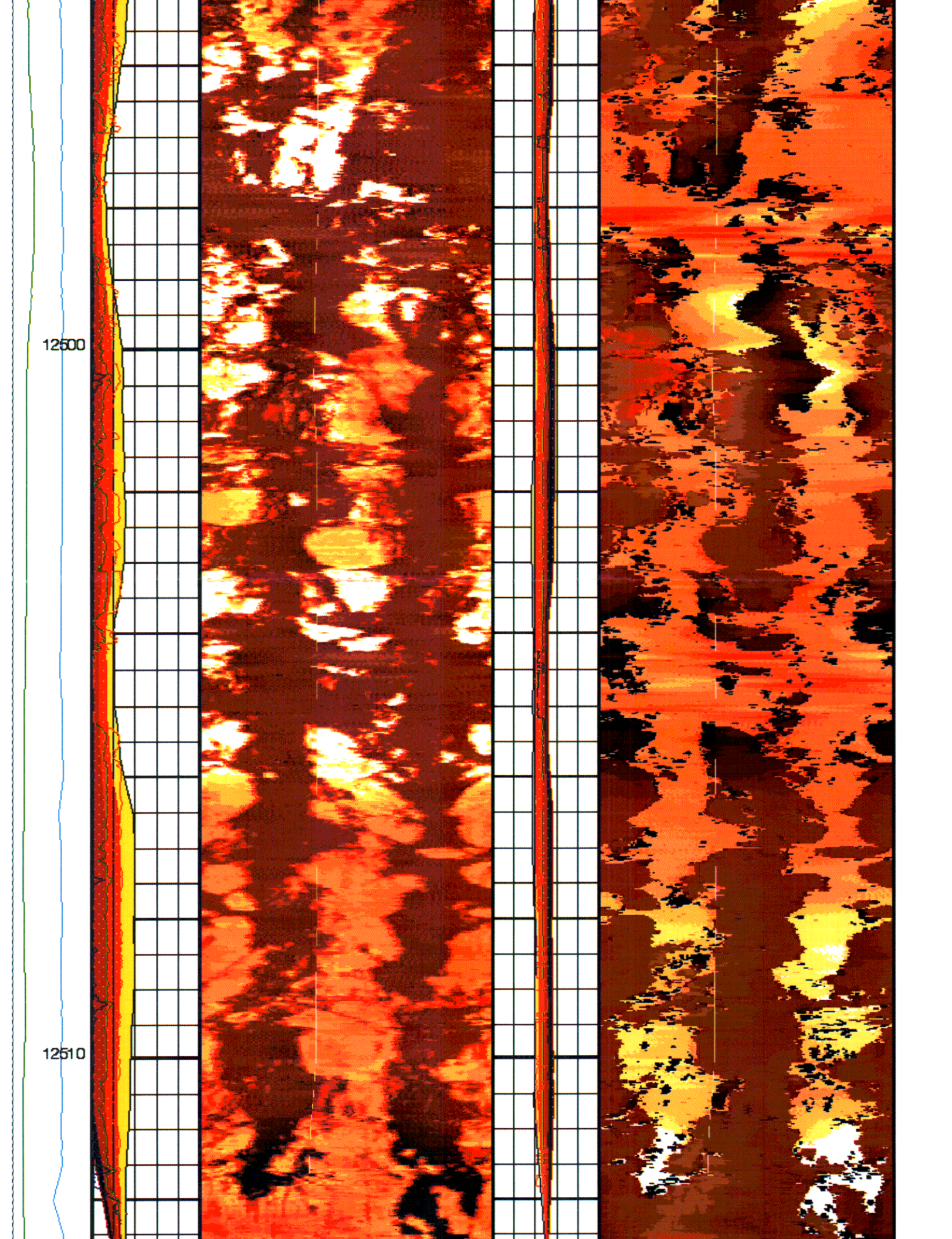
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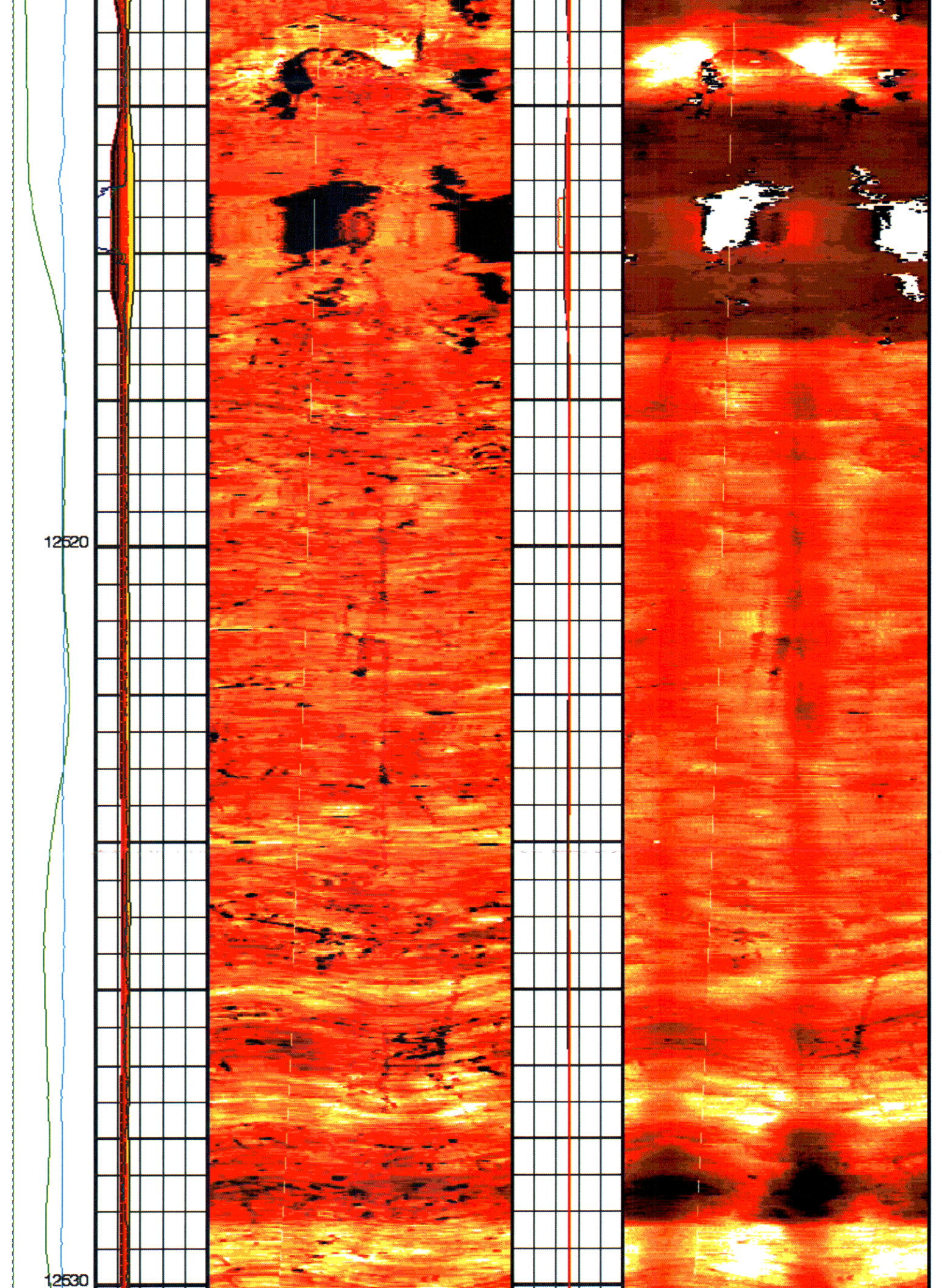
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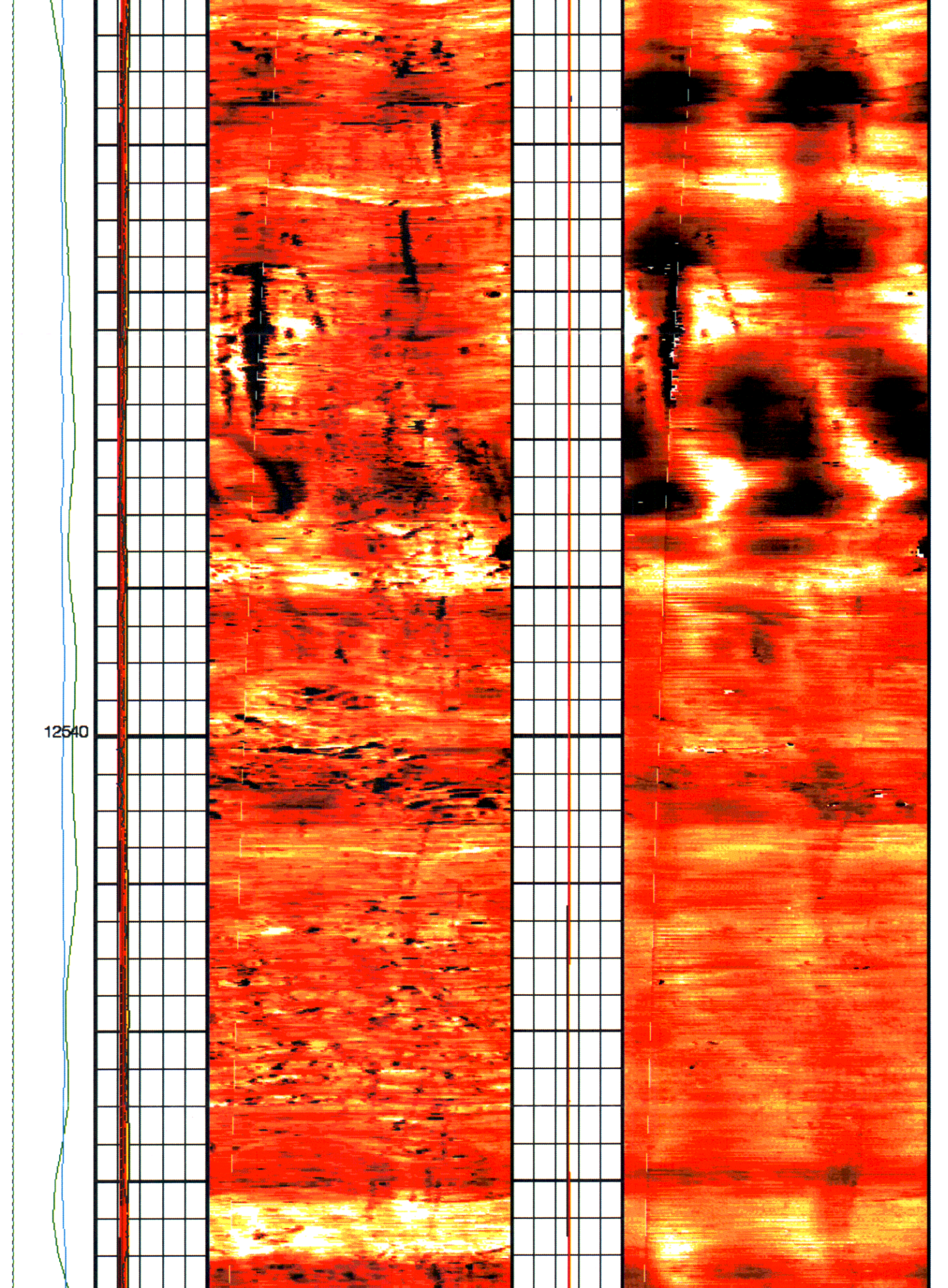
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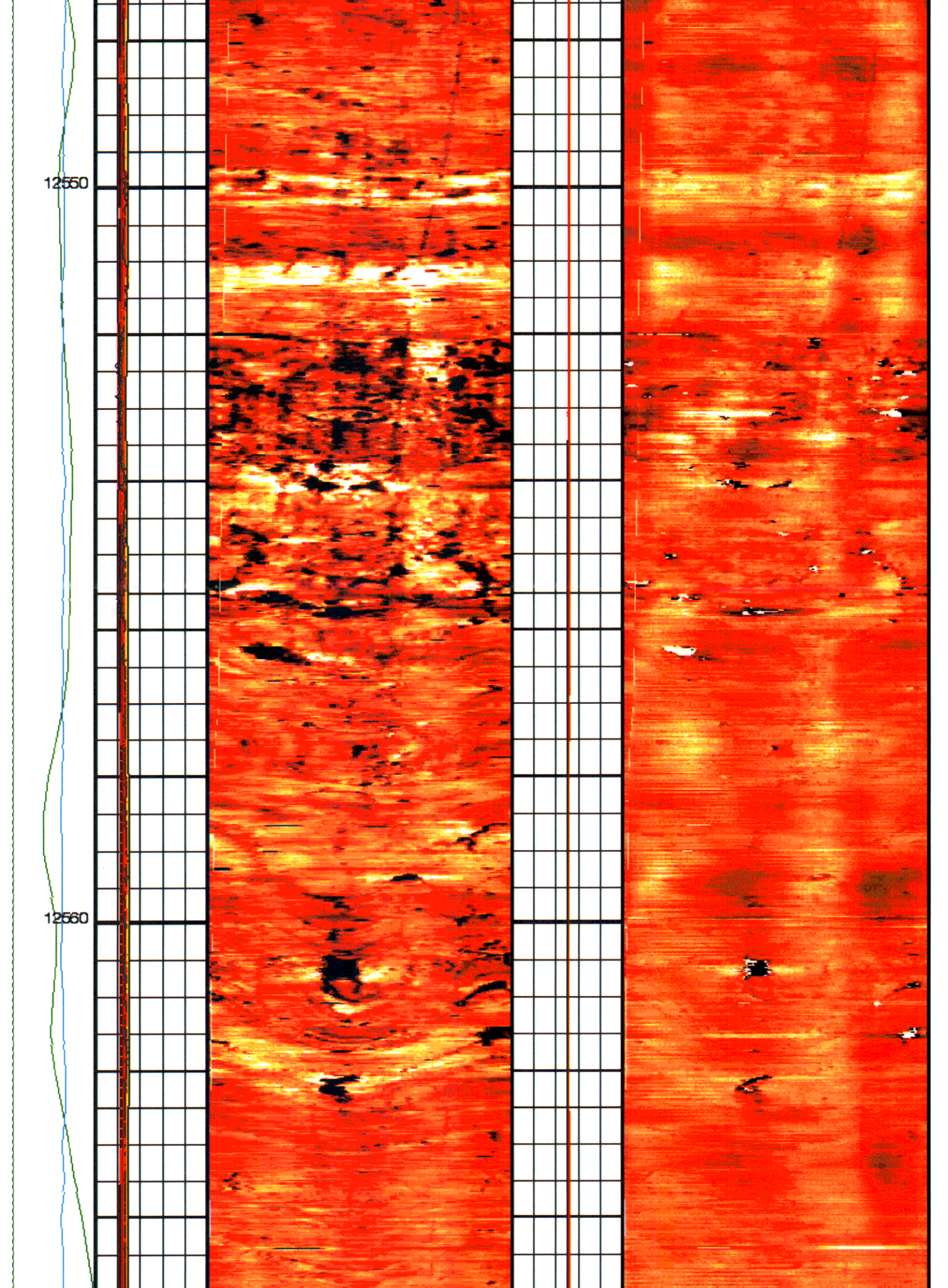
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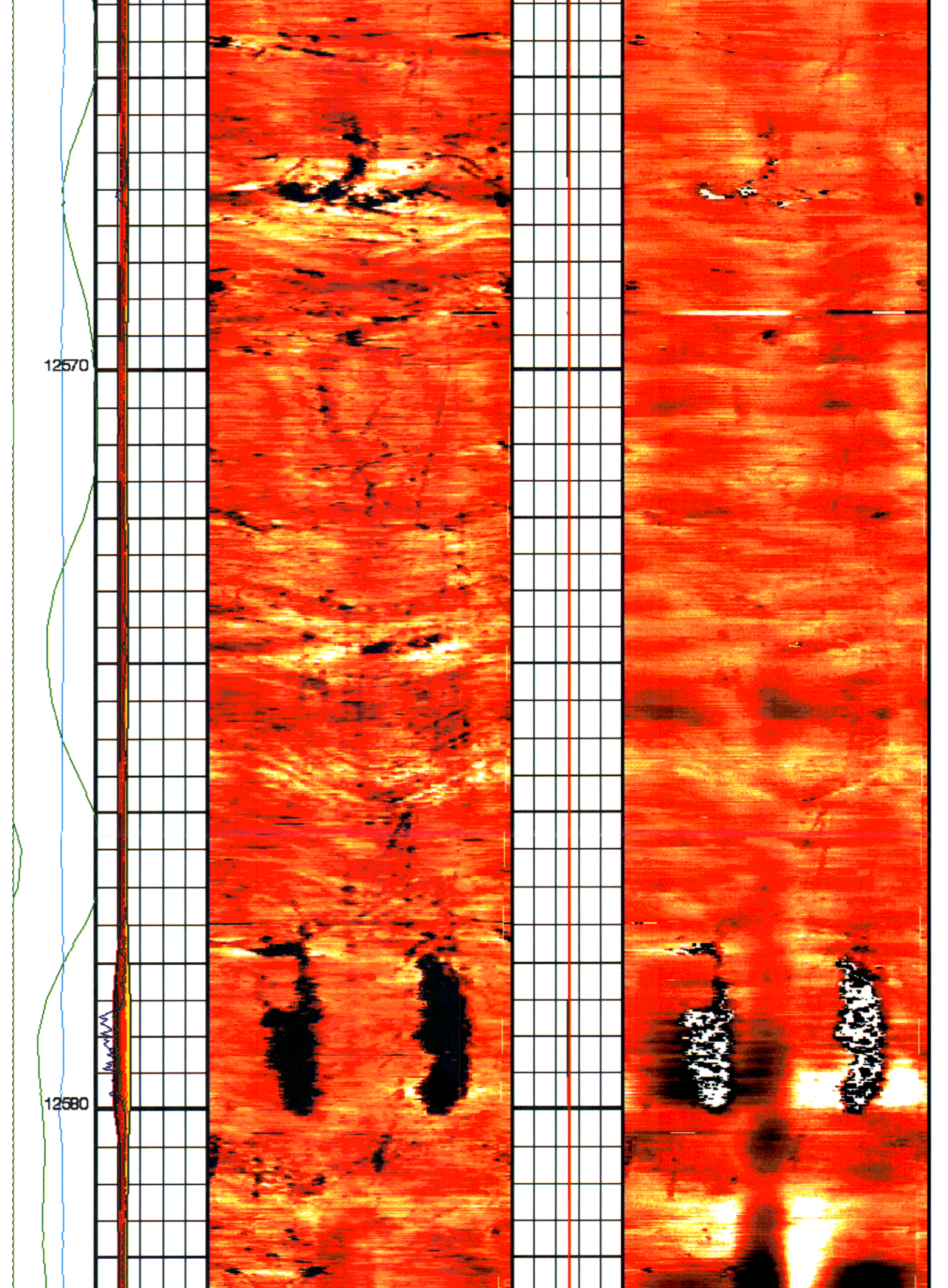
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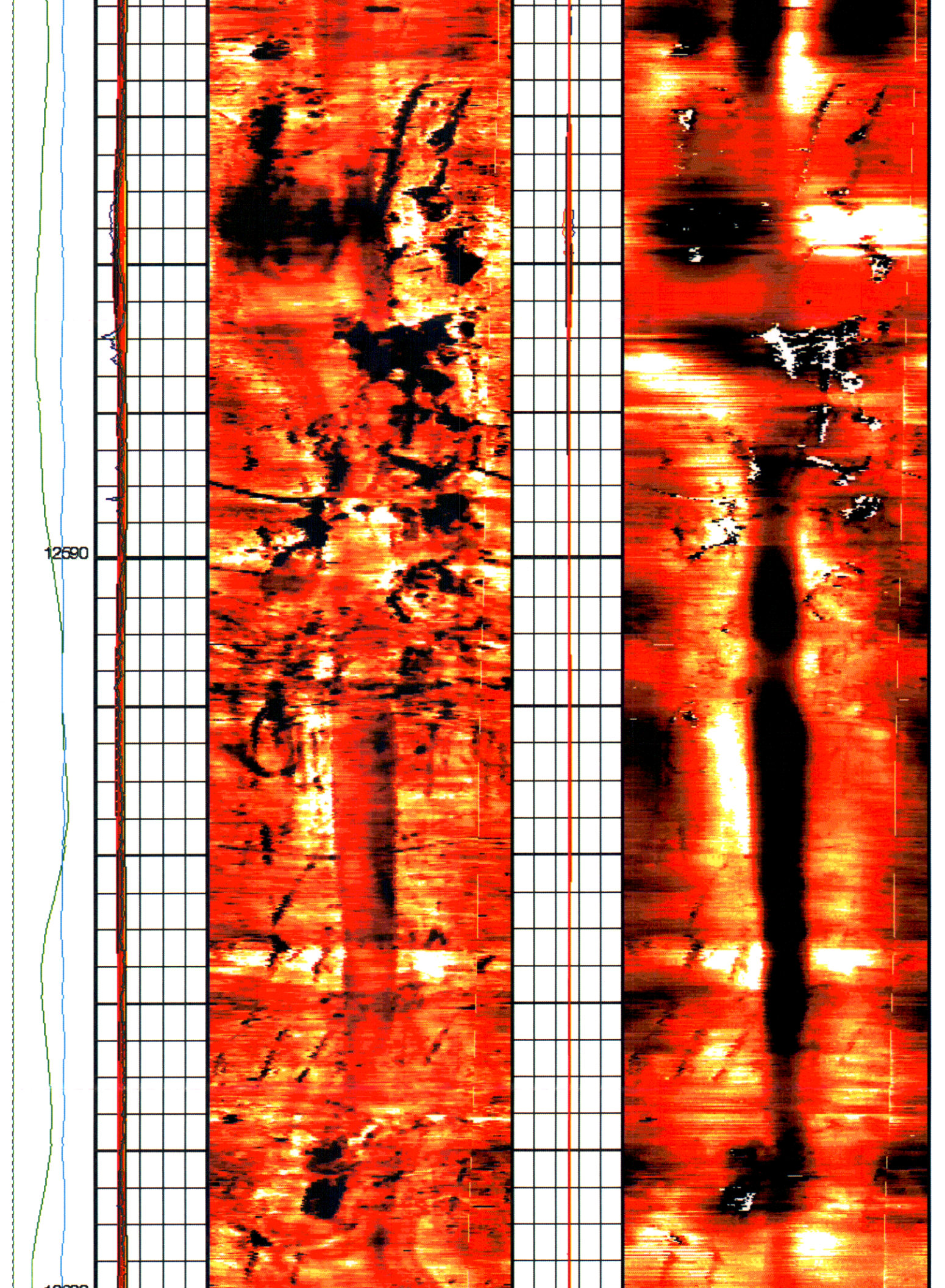
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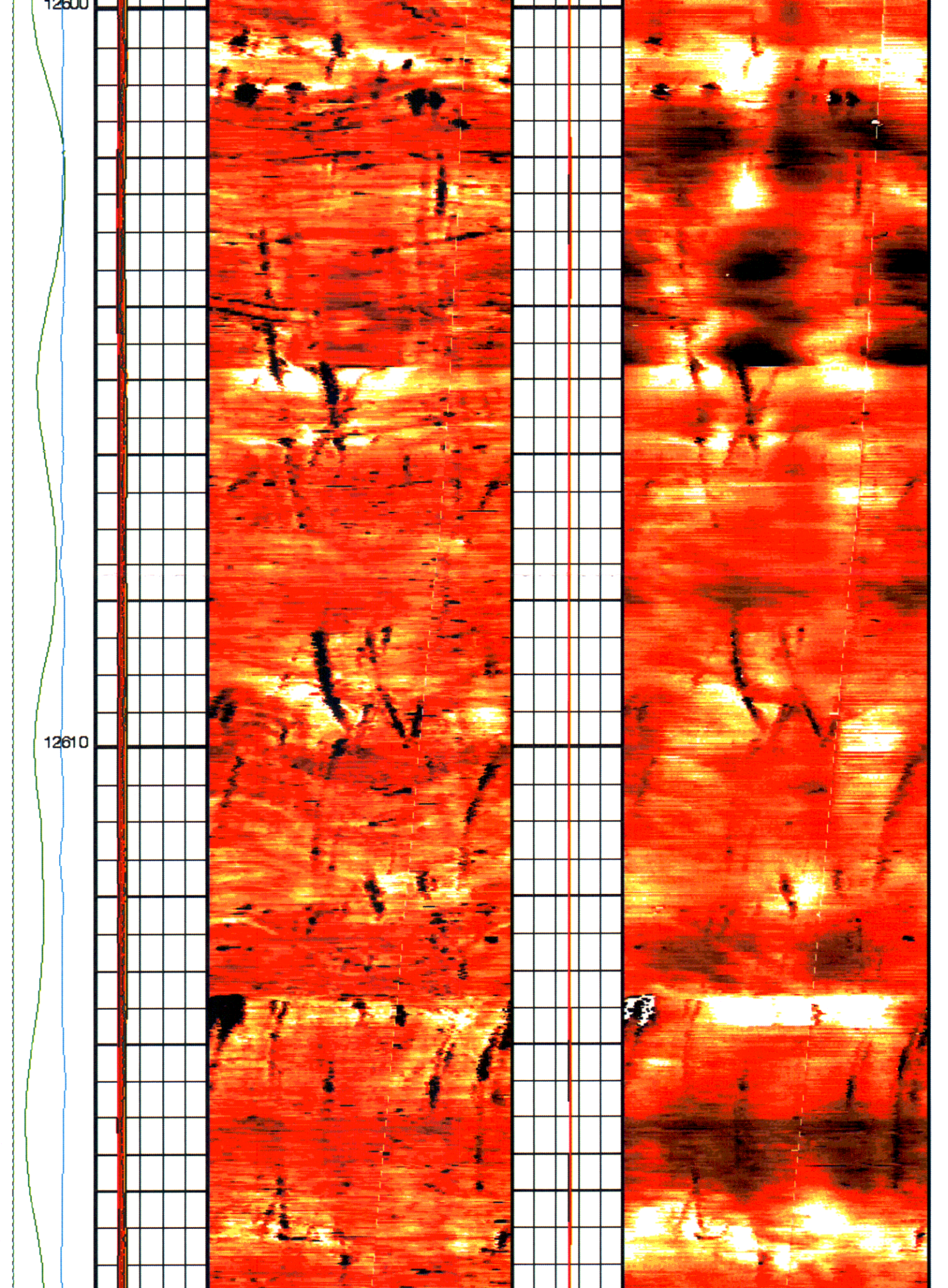
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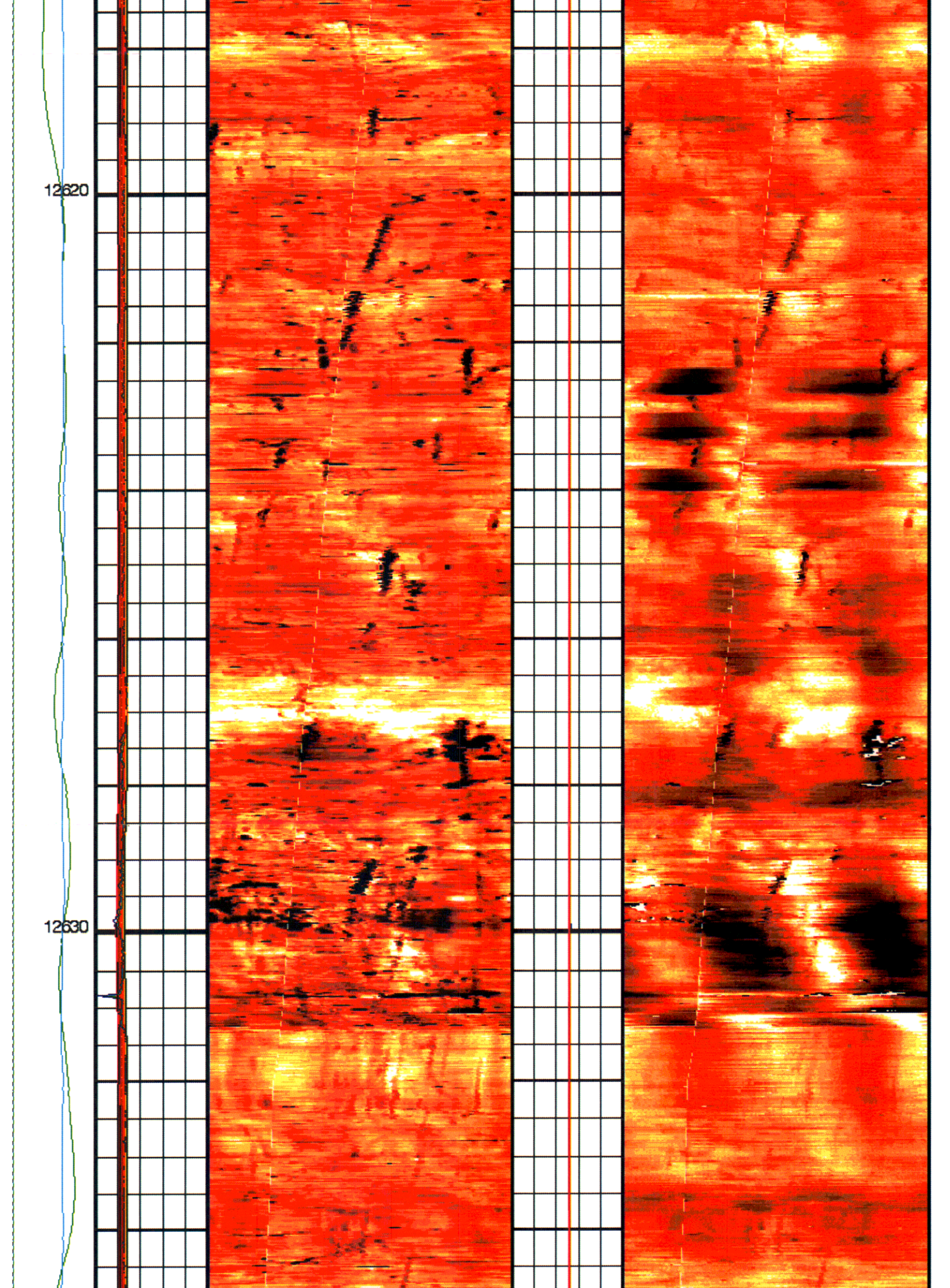
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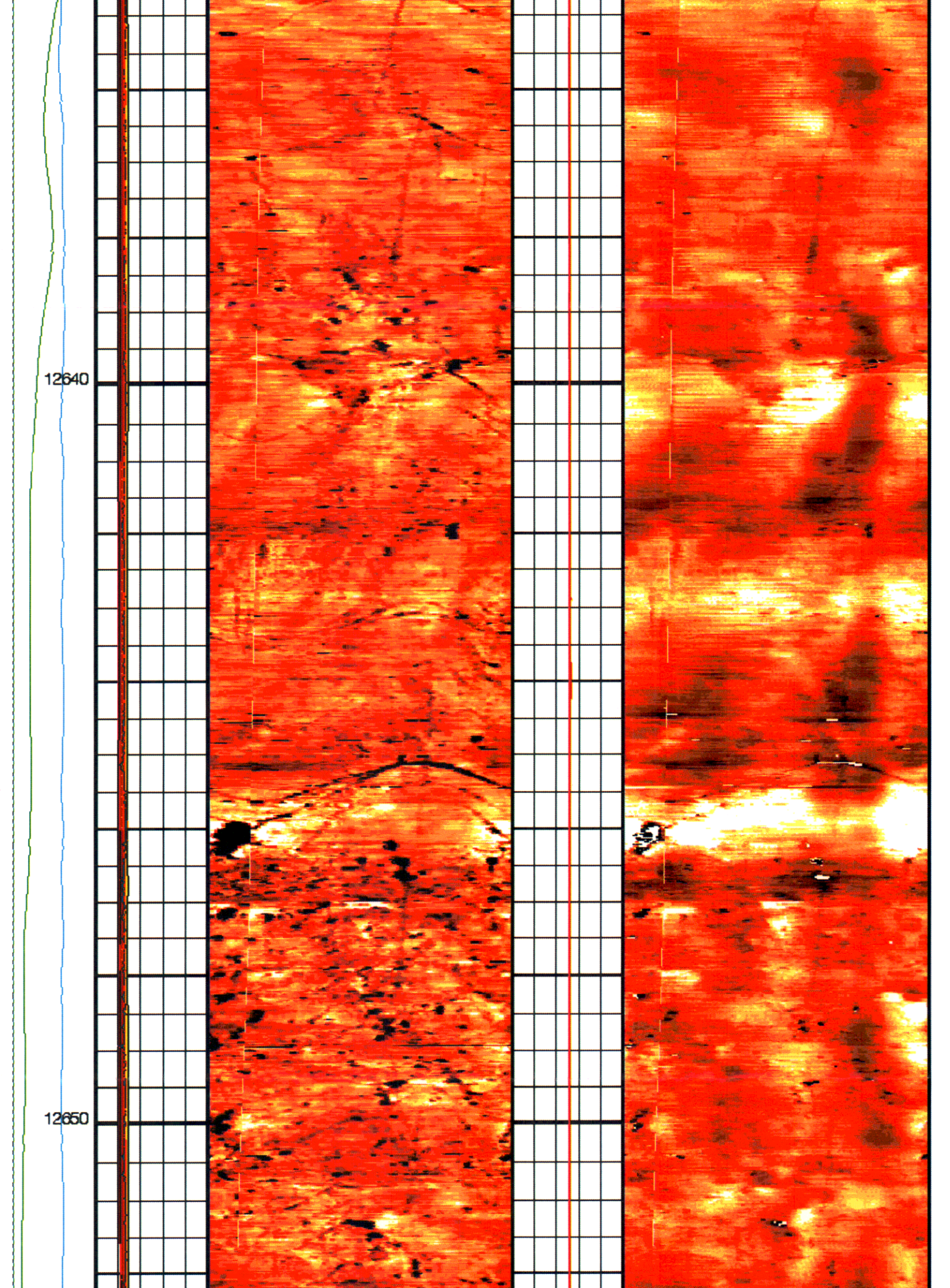
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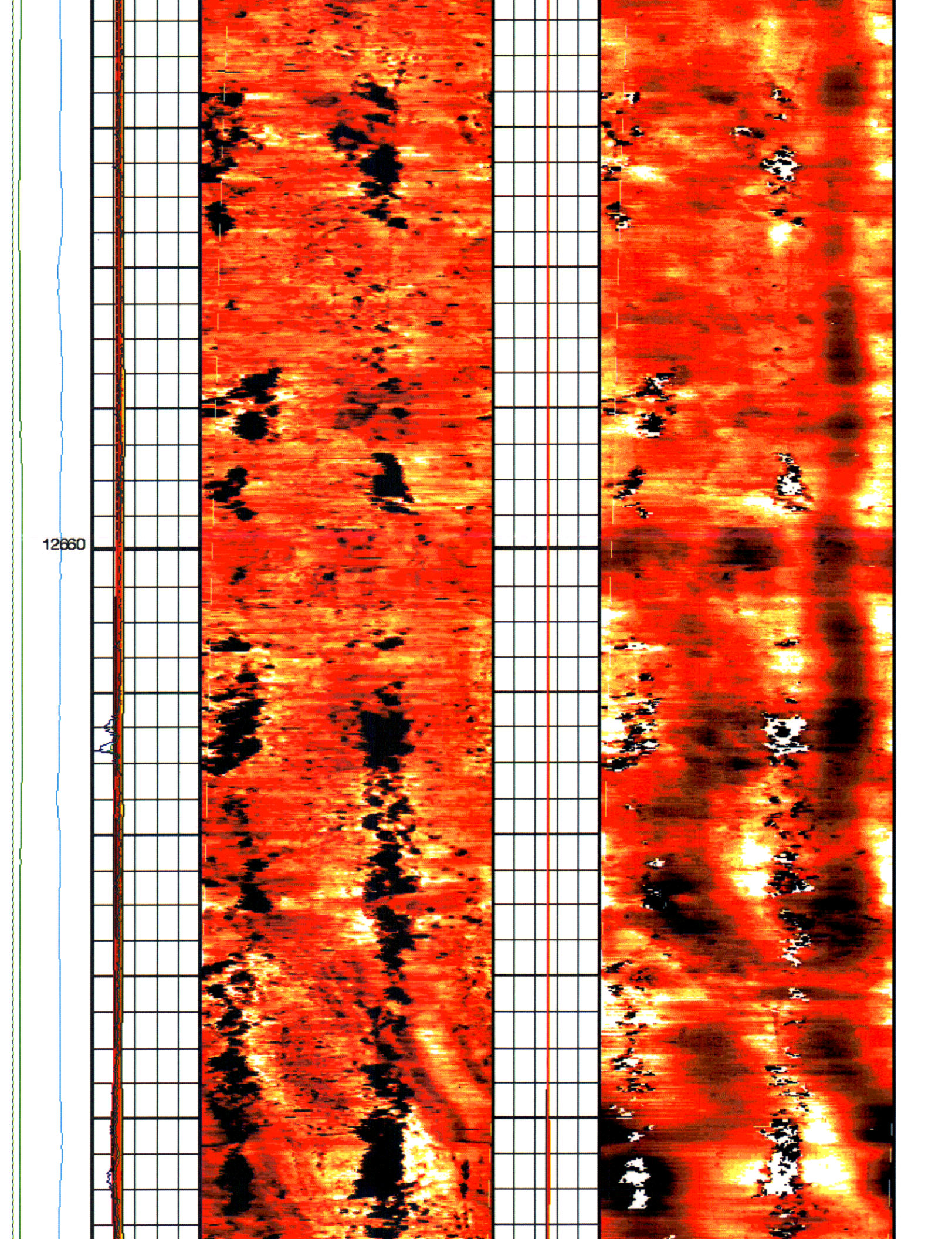
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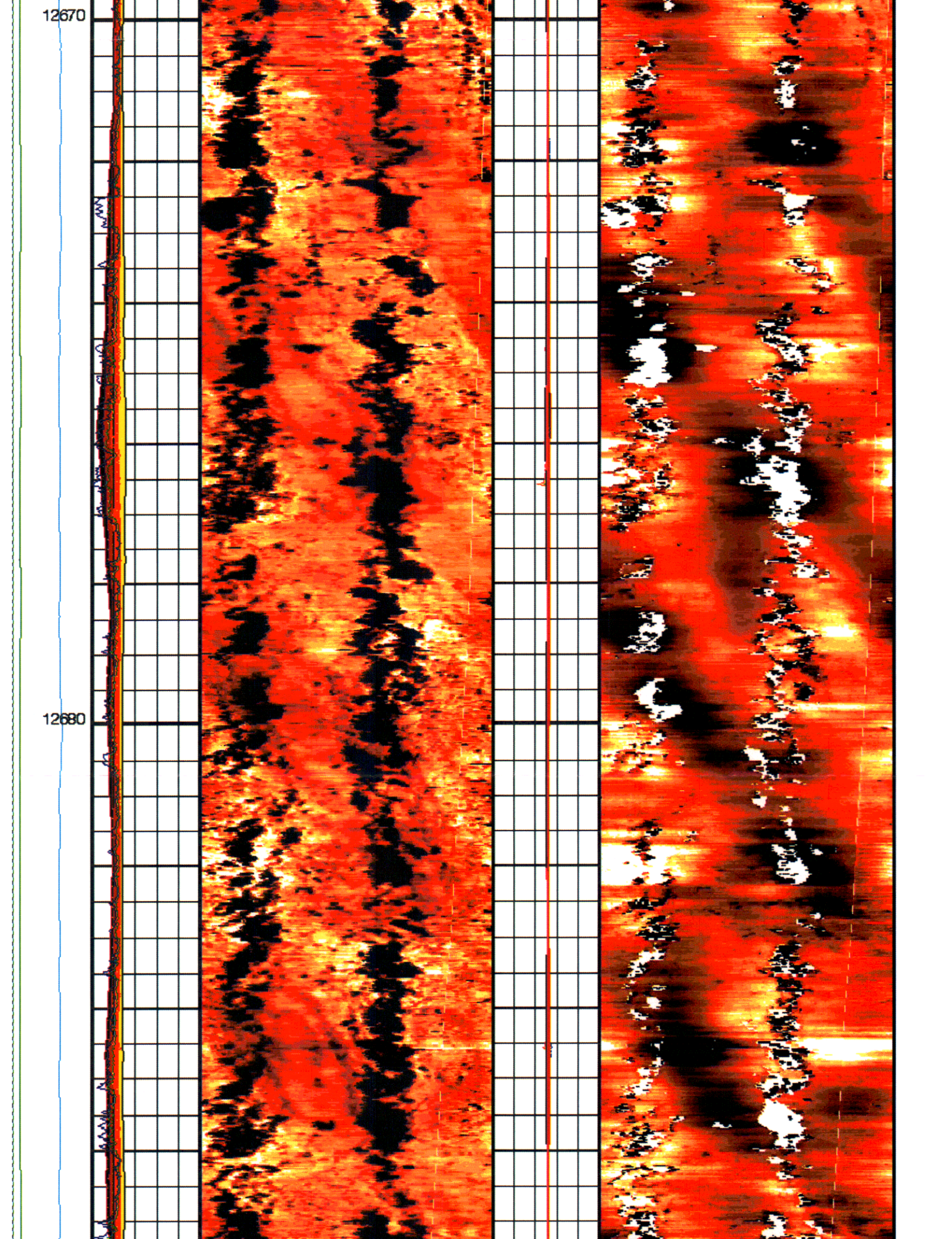
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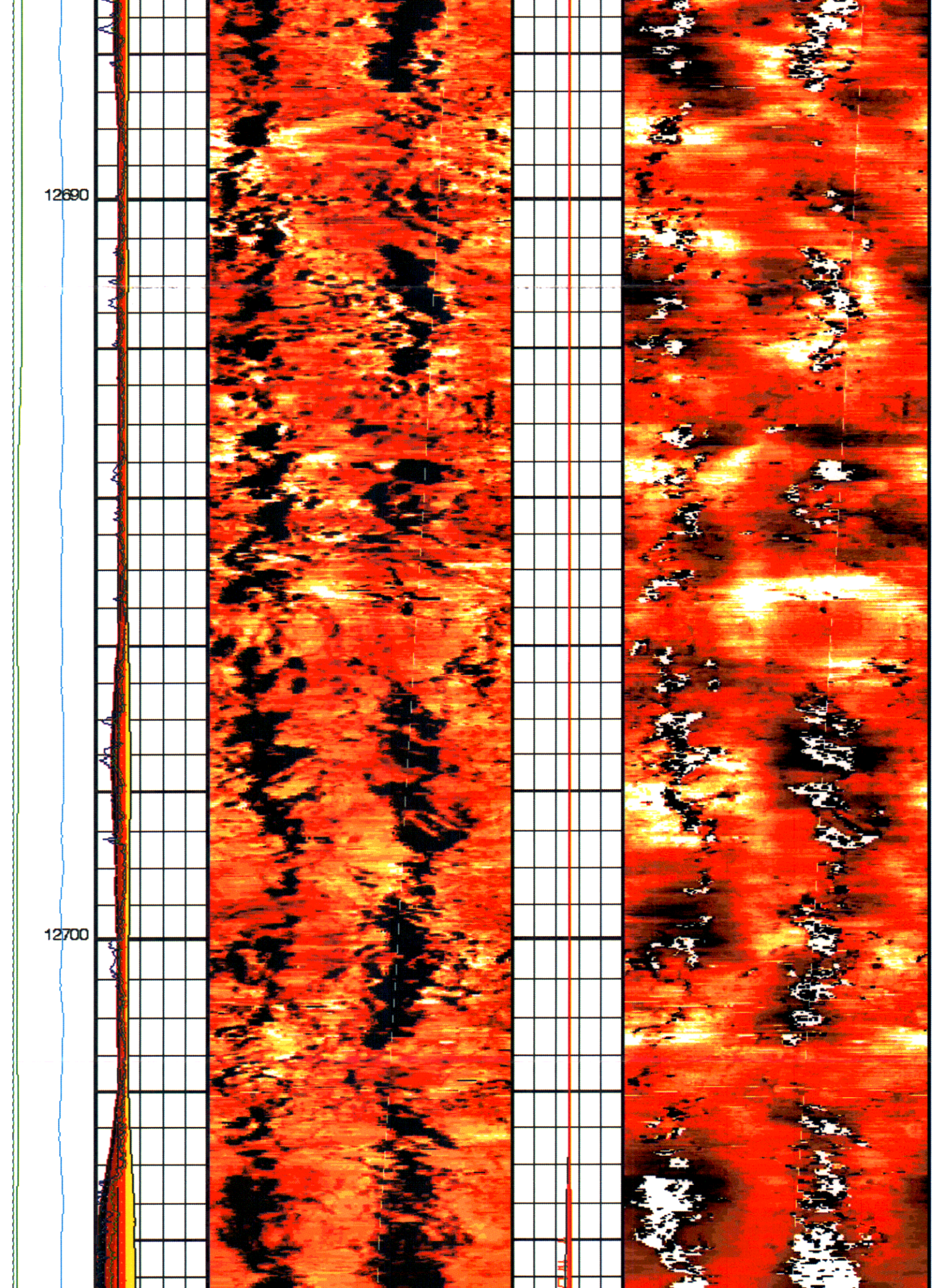
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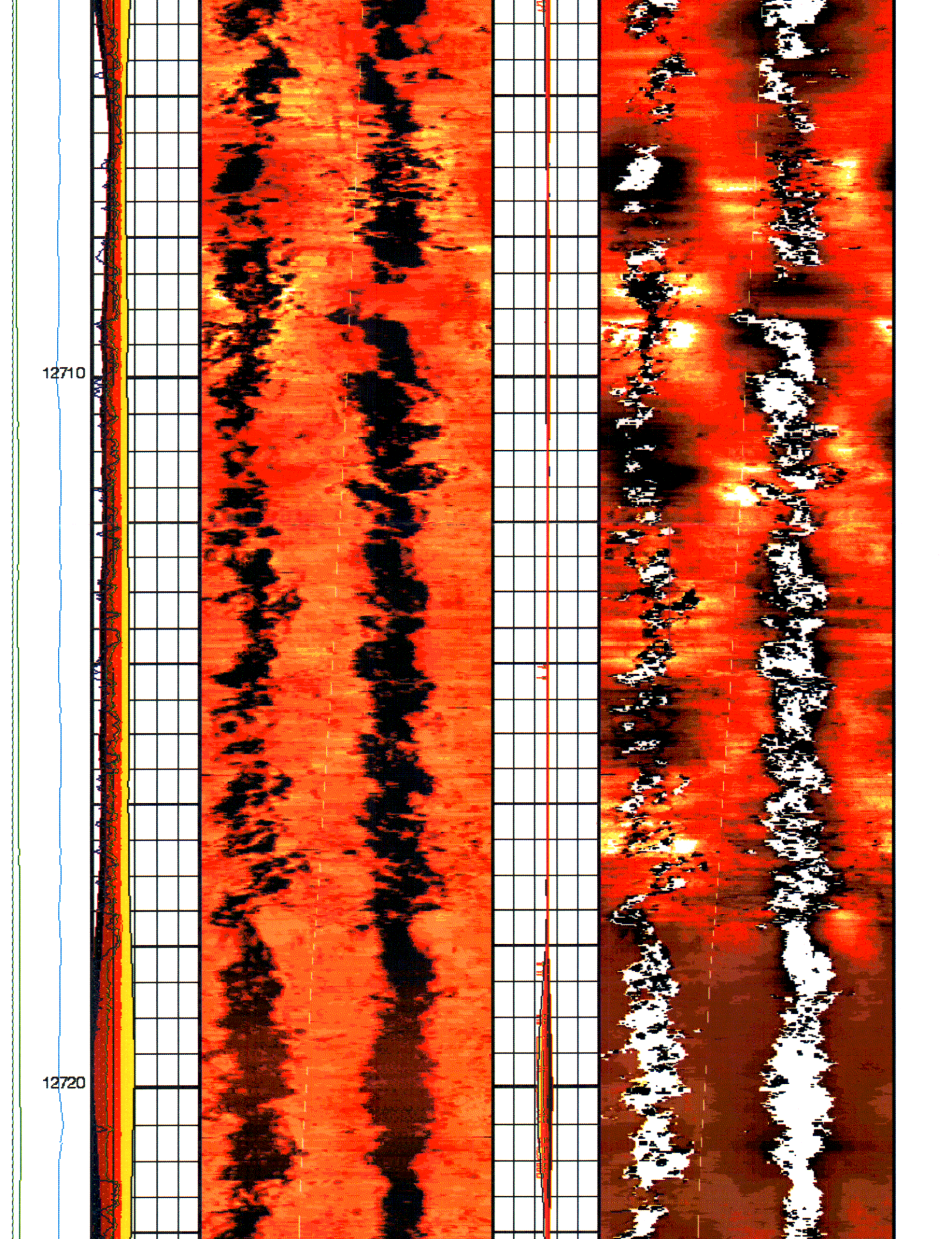
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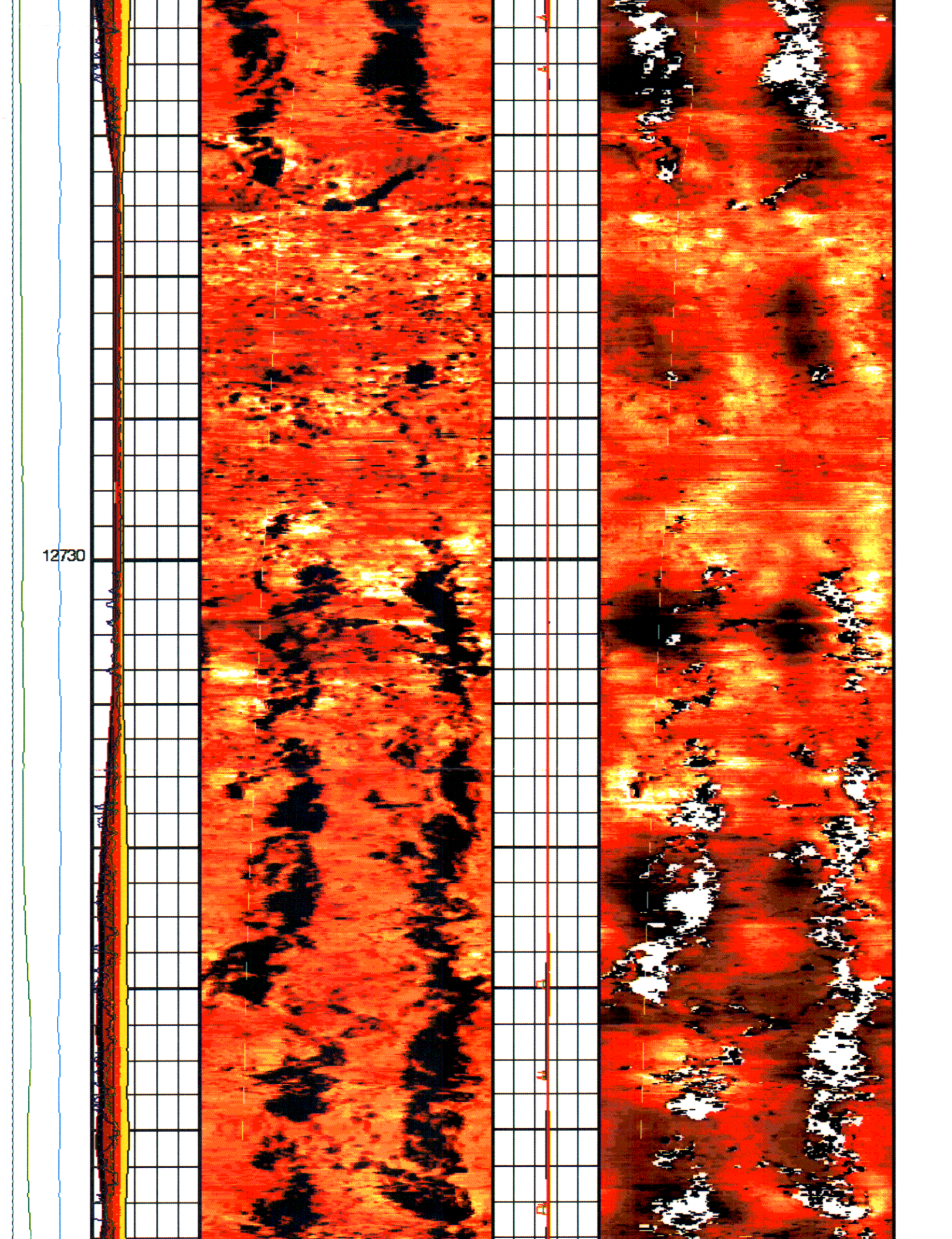
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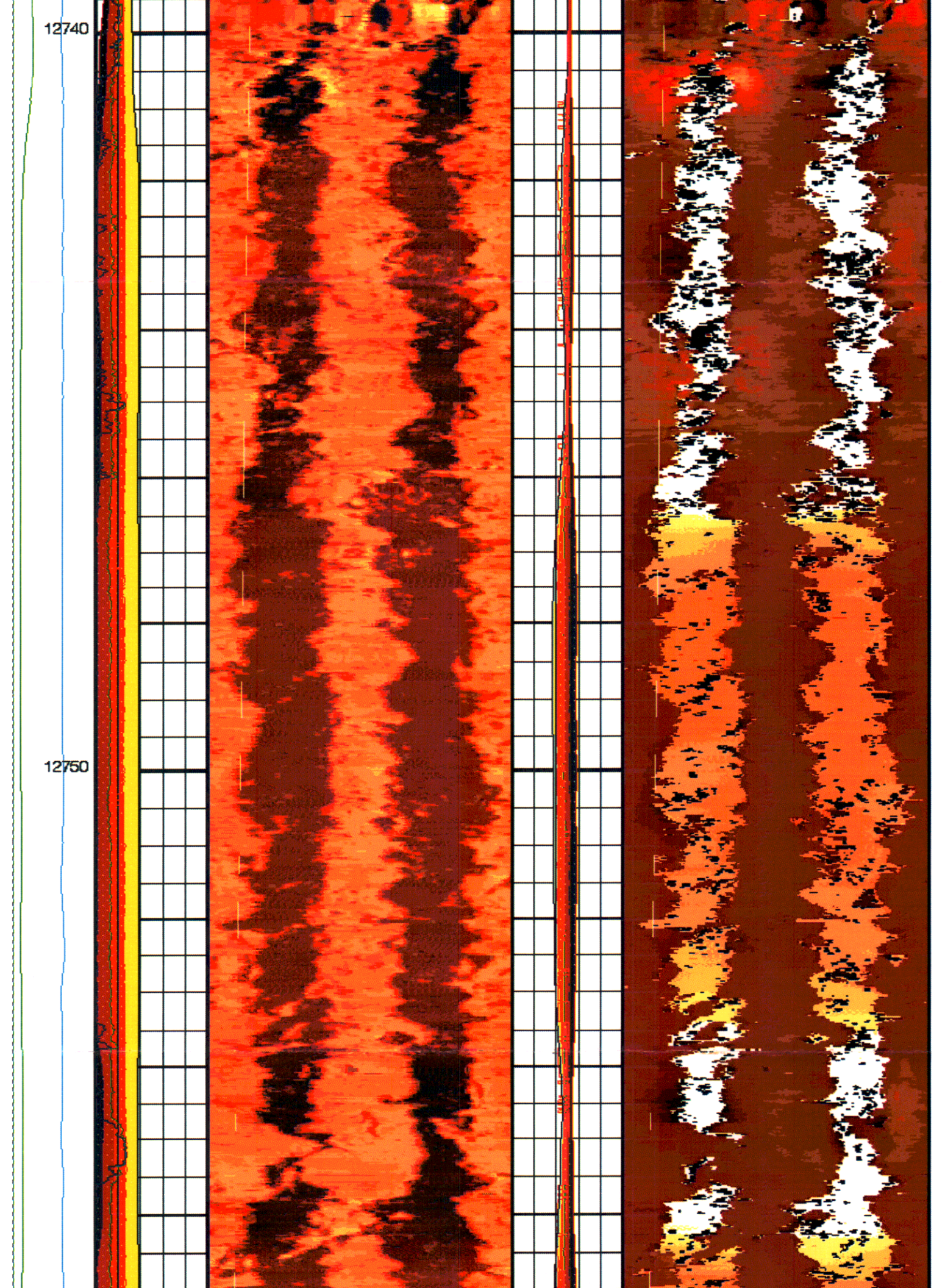
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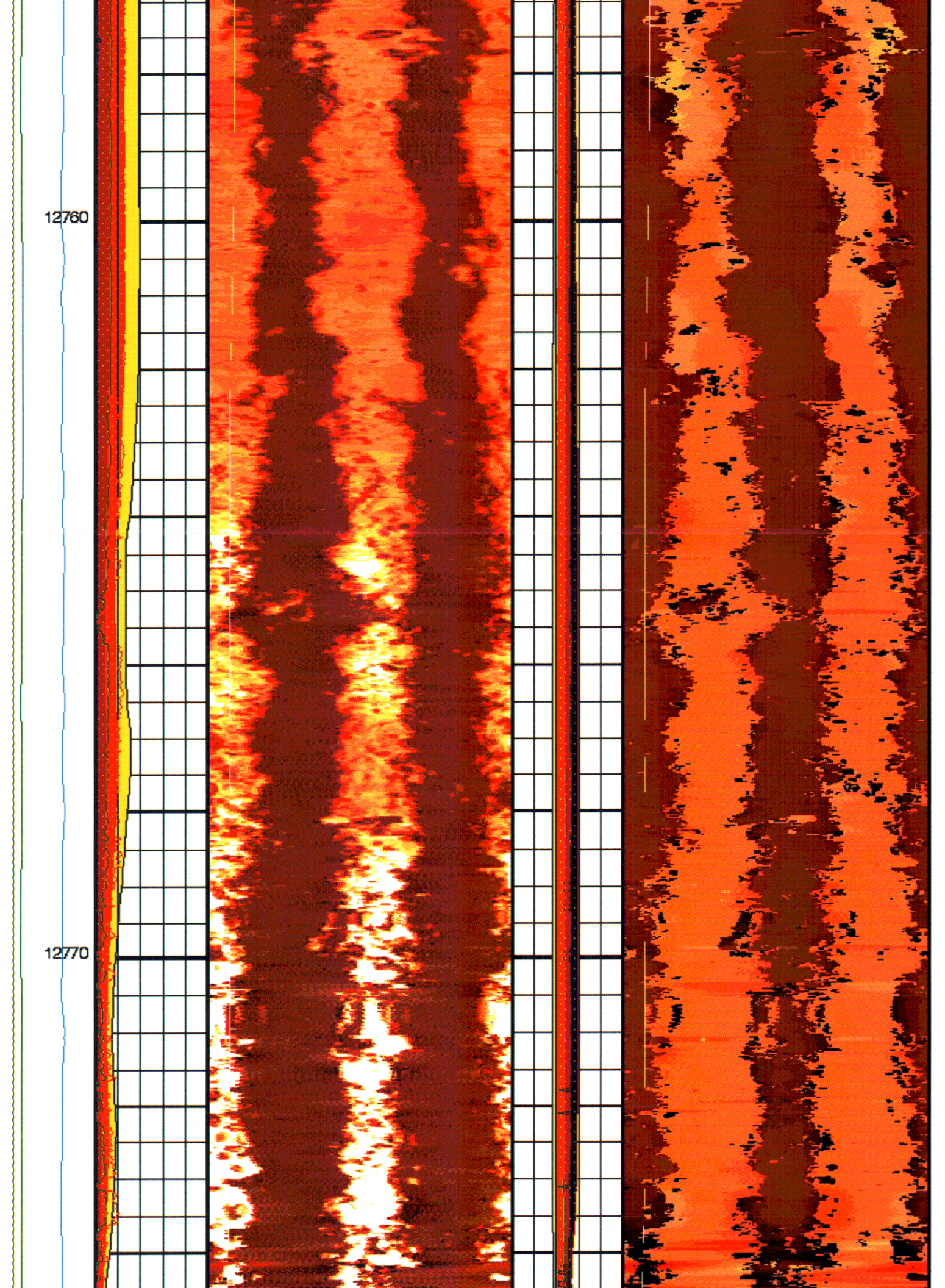
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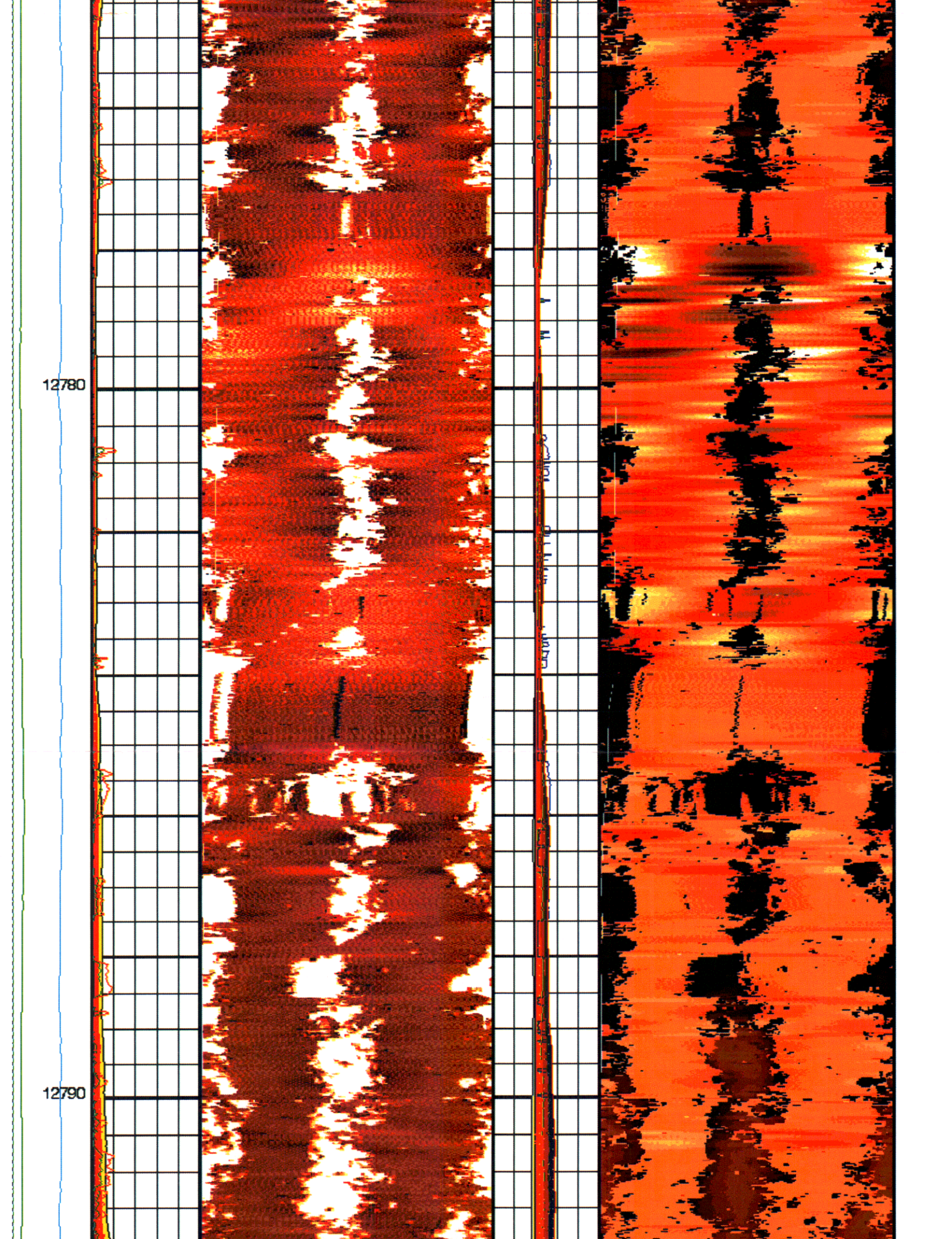
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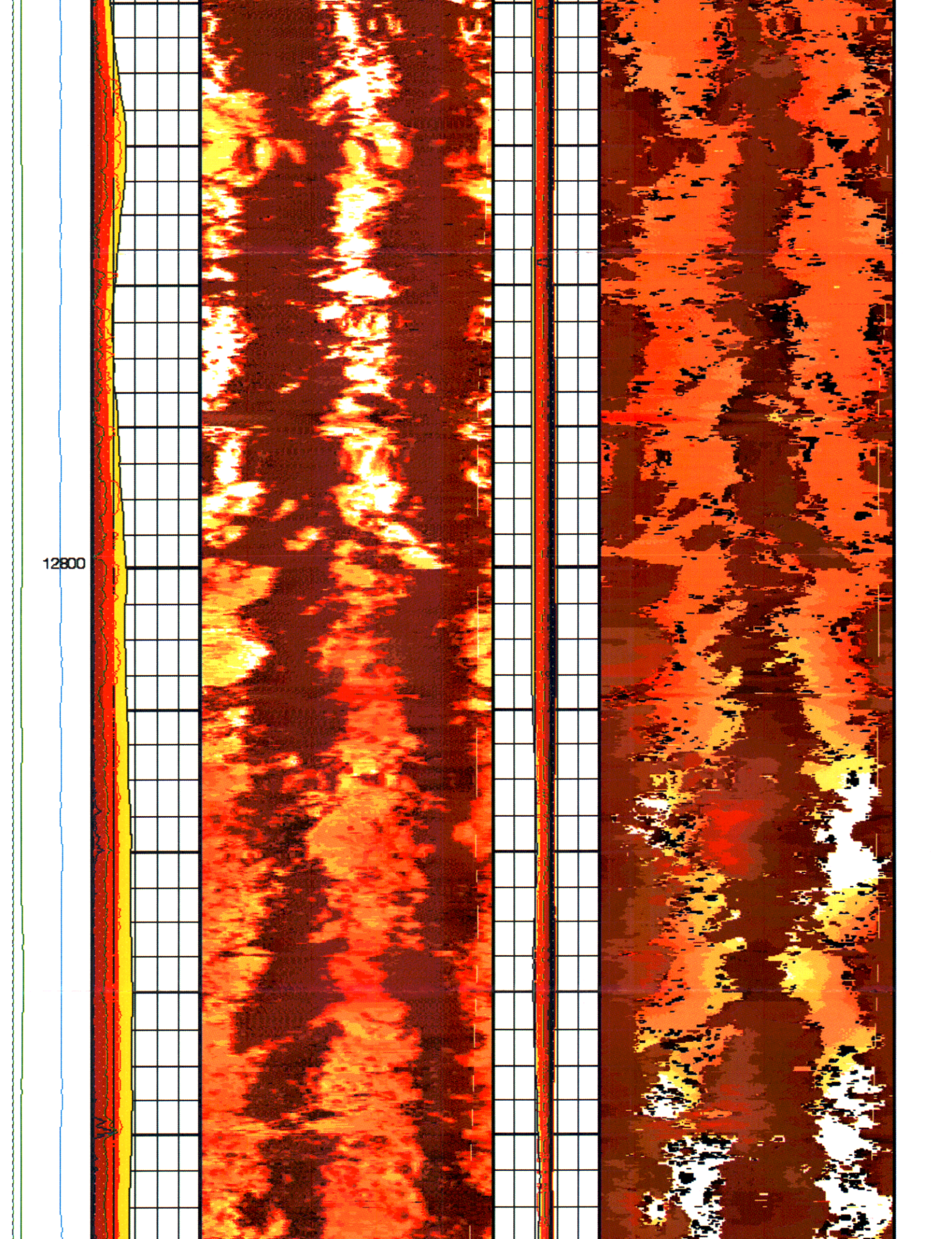
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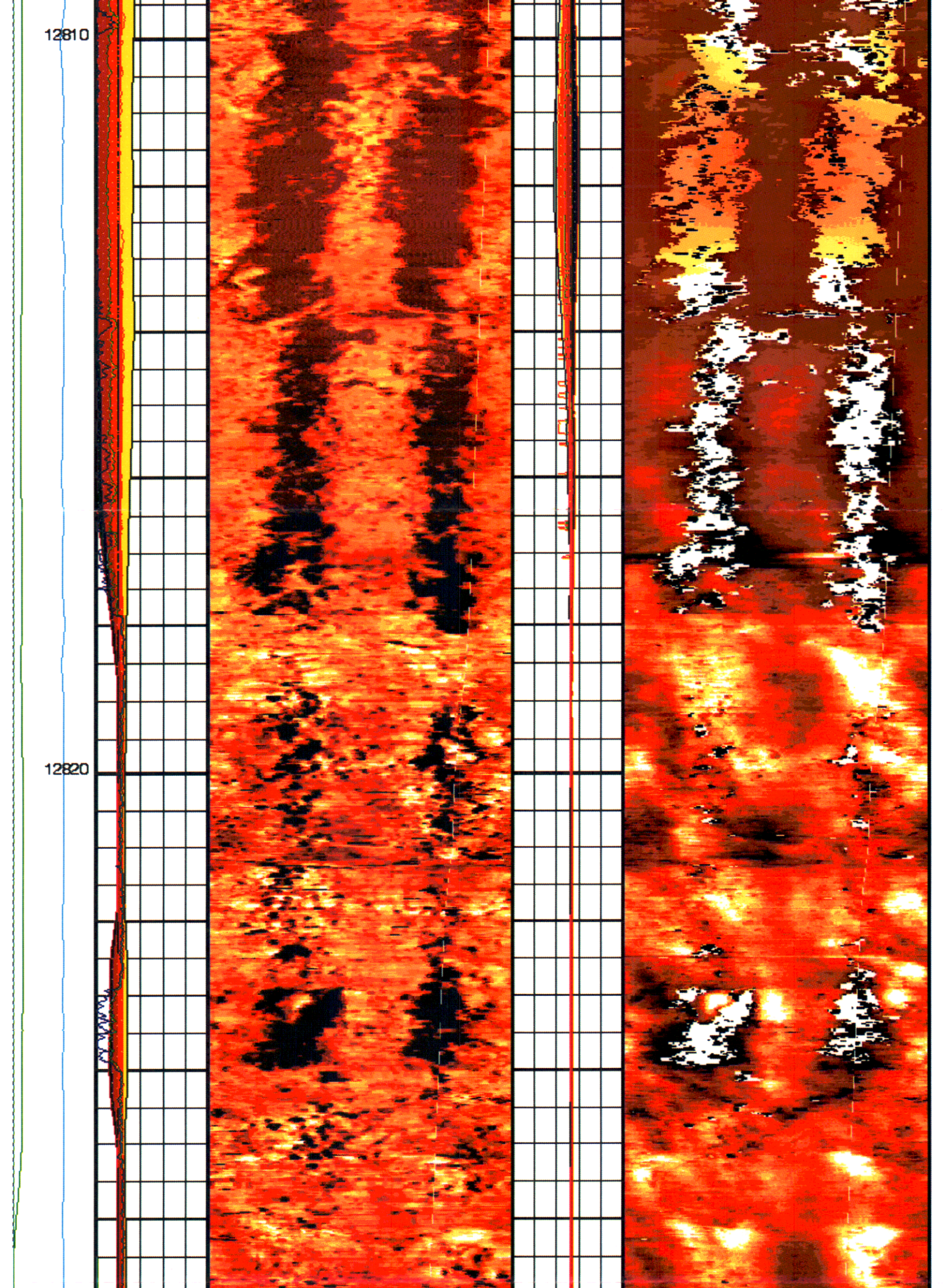
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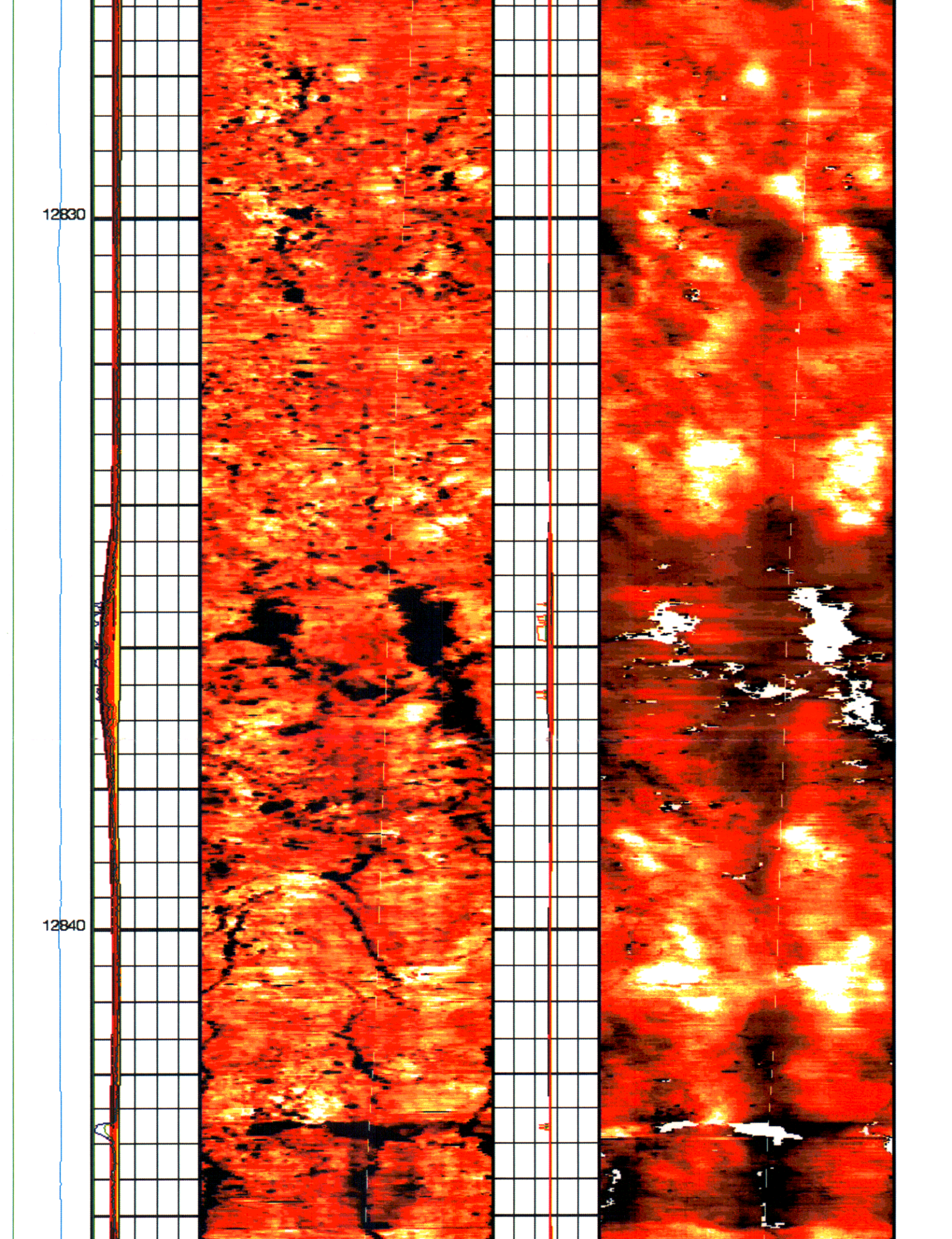
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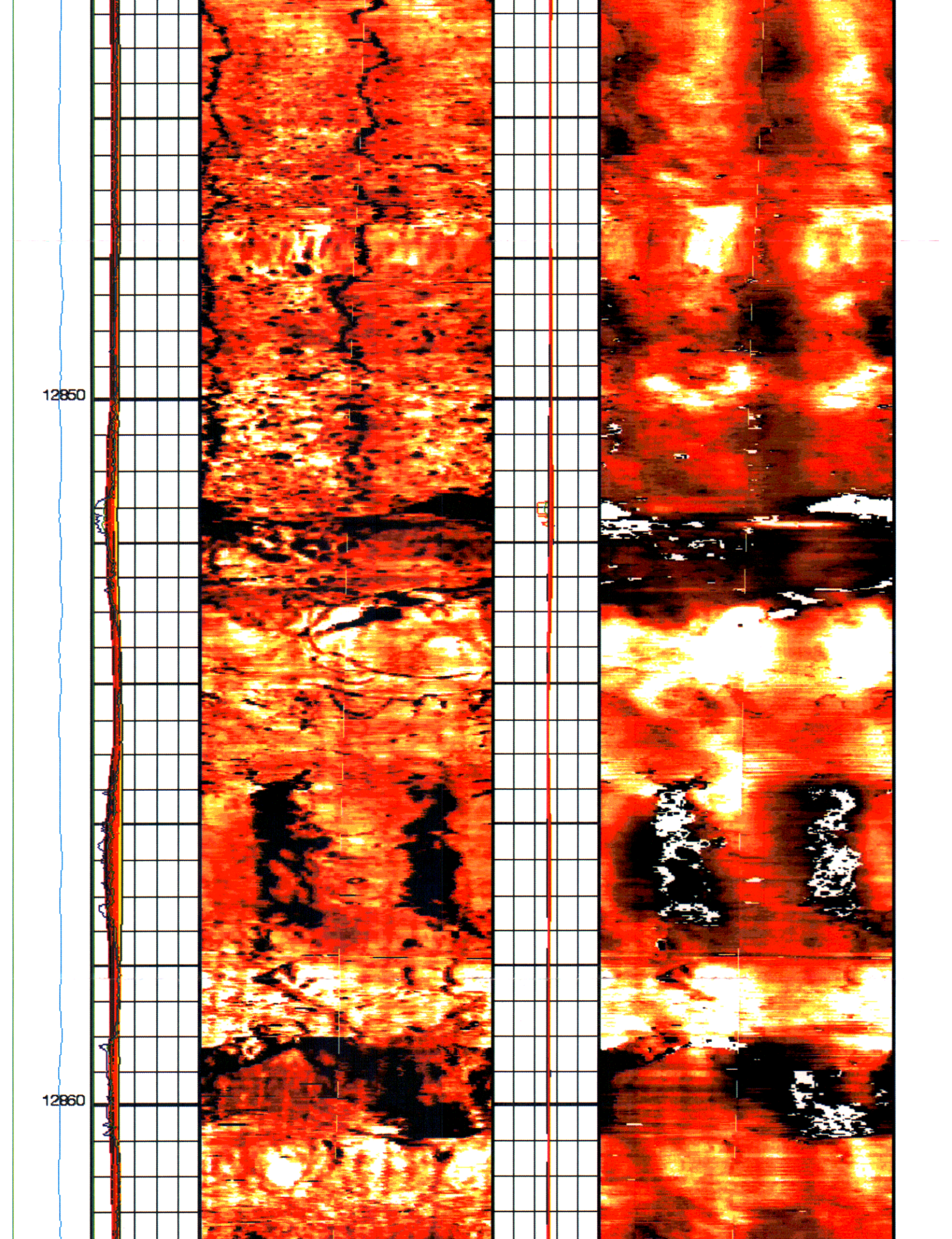
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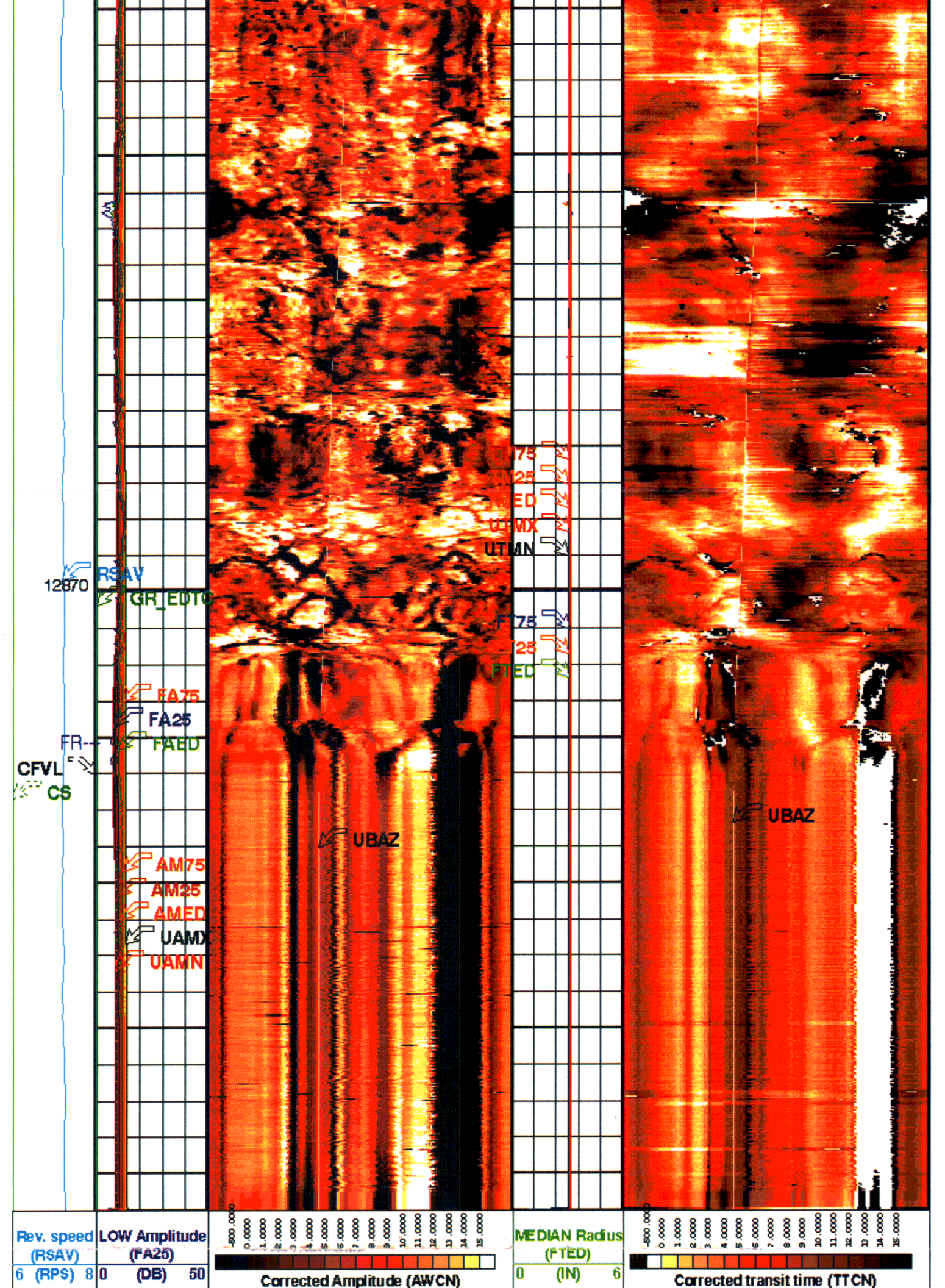
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RSAV
GR_EDTC
FA75
FA25
FAED
CFVL
CS
AM75
AM25
AMED
UAMX
UAMN
UBAZ
UTMX
UTMN
FT75
FT25
FTED
UBAZ
Rev. speed
(RSAV)
6 (RPS) 8
LOW Amplitude
(FA25)
0 (DB) 50
-500.0000 0.0000 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.0000 11.0000 12.0000 13.0000 14.0000 15.0000
Corrected Amplitude (AWCN)
MEDIAN Radius
(FTED)
0 (IN) 6
-500.0000 0.0000 1.0000 2.0000 3.0000 4.0000 5.0000 6.0000 7.0000 8.0000 9.0000 10.0000 11.0000 12.0000 13.0000 14.0000 15.0000
Corrected transit time (TTCN)

		(DB)		(US)
Cable Speed (CS) (F/HR) 0 50000	Min. of Amplitude (UAMN) 0 (DB) 50		Radius LOW (FT25) 0 (IN) 6	
Fluid velocity (CFVL) (US/F) 150 250	Maximum of Amplitude (UAMX) 0 (DB) 50		Radius HIGH (FT75) 0 (IN) 6	
Gamma Ray (GR_EDTC) (GAPI) 0 150	MEDIAN of Amplitude (FAED) 0 (DB) 50		Radius min (UTMN) 0 (IN) 6	
	HIGH Amplitude (FA75) 0 (DB) 50		Radius max (UTMX) 0 (IN) 6	

Format: UBI_Image_1_1 Vertical Scale: 60" per 100' Graphics File Created: 25-Jan-2011 02:48

OP System Version: 19C0-187

UBI-D	19C0-187	GPIT-F	19C0-187
XPT-BA	19C0-187	EDTC-B	19C0-187

Parameters

DLIS Name	Description	Value	
	UBI-D: Ultrasonic Borehole Imager - D		
AAMN	Automatic Amplitude Minimum Scale	2	DB
ANGO	Angular Offset	-17	DEG
ATMN	Automatic Transit Time Minimum Scale	2	US
CSID	Casing Inner Diameter	6.094	IN
DCMN	Window Decrement Down	0.8	
DCMX	Window Decrement Up	0.6	
DFVL	Default Fluid Velocity	250	US/F
DOT	Diameter of Tool	1.85	IN
ECRL	Eccentering Correction Level	FIRST	
ERDB	Eccentering Rejection	12	DB
FDOS	FVEL Depth Offset	0	FT
FMOS	FVEL Measurement Offset	0	US/F
GCSW	Gain Correction	ON	
IMAR	Image Rotation	P1AZ	
LIM1	Minimum Limit Control	AUTO	
LIM2	Maximum Limit Control	MANUAL	
NBCD	Color Correction Depth Level	80	
NBLD	Eccentering Correction Depth Level	1	
NCDI	Noise Correction Depth Interval	30	
PNSW	Processing Noise Correction	ON	
RCSO	Reference Calibrator Standoff	0.795	IN
RJ60	60 Hz Correction	ON	
SWLV	Sliding Window Minimum	Inh_18us	
SWMX	Sliding Window Maximum	Inh_167us	
UFON	UBI Flagging of Lost Echoes	OFF	
UGOS	UBI/UCI GPIT Offset	3.63	IN
USTO	Ultrasonic Time Offset	-3	US
USUB	UBI Sub Identifier	Sub_5_inch	
UWKM	Current Working Mode	UBID_FW250_T80_1	
	UHSV: UBI Hole Shape Analysis		
AAMN	Automatic Amplitude Minimum Scale	2	DB
ANGO	Angular Offset	-17	DEG
ATMN	Automatic Transit Time Minimum Scale	2	US
CSID	Casing Inner Diameter	6.094	IN
DCMN	Window Decrement Down	0.8	
DCMX	Window Decrement Up	0.6	
DFVL	Default Fluid Velocity	250	US/F
DOT	Diameter of Tool	1.85	IN
ECRL	Eccentering Correction Level	FIRST	

ERDB	Eccentering Rejection	12	DB	
FDOS	FVEL Depth Offset	0	FT	
FMOS	FVEL Measurement Offset	0	US/F	
GCSW	Gain Correction	ON		
IMAR	Image Rotation	P1AZ		
LIM1	Minimum Limit Control	AUTO		
LIM2	Maximum Limit Control	MANUAL		
NBCD	Color Correction Depth Level	80		
NBLD	Eccentering Correction Depth Level	1		
NCDI	Noise Correction Depth Interval	30		
PNSW	Processing Noise Correction	ON		
RCSO	Reference Calibrator Standoff	0.795	IN	
RJ60	60 Hz Correction	ON		
SWLV	Sliding Window Minimum	Inh_18us		
SWMX	Sliding Window Maximum	Inh_167us		
UFON	UBI Flagging of Lost Echoes	OFF		
UGOS	UBI/UCI GPIT Offset	3.63	IN	
USTO	Ultrasonic Time Offset	-3	US	
USUB	UBI Sub Identifier	Sub_5_inch		
UWKM	Current Working Mode	UBID_FW250_180_1		
	DIR: Directional Survey Computation			
SPVD	TVD of Starting Point	0	FT	
TIMD	Along-hole depth of Tie-in Point	0	FT	
TIVD	TVD of Tie-in Point	0	FT	
	System and Miscellaneous			
BS	Bit Size	6.000	IN	
DO	Depth Offset for Playback	-2.0	FT	
PP	Playback Processing	NORMAL		

Input DLIS Files

DEFAULT	UBI_IS_XPT_165LUP	FN:271	PRODUCER	24-Jan-2011 22:17	12880.5 FT	11102.7 FT

Output DLIS Files

DEFAULT	UBI_IS_XPT_167PUP	FN:273	PRODUCER	25-Jan-2011 02:48
RTBU	UBI_IS_XPT_167PUP	FN:274	PRODUCER	25-Jan-2011 02:48

Company: OXY US LA BASIN

Schlumberger

Well: DOM-001
Field: Dominguez
County: Los Angeles
State: California

ULTRASONIC BOREHOLE IMAGER
GAMMA RAY TIE IN