Schlumberger

Company: OXY US LA Basin

Well: DOM-002
Field: Dominguez
County: Los Angeles State: California

FORMATION MICRO IMAGER
GAMMA RAY TIE IN
10IN / 100FT LINEAR MD

Received
OCT 09 2013

County: Los Angeles
Field: Dominguez
Location: Surface Lambert Coordinates:
Well: DOM-002
Company: OXY US LA Basin

LOCATION

Surface Lambert Coordinates:
N: 4 062 757.48
E: 4 214 076.81

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

Permanent Datum: Mat — Elev.: 168.97 ft
Log Measured From: Derrick Floor — 25.12 ft above Perm. Datum
Drilling Measured From: Derrick Floor

API Serial No.	Section	Township	Range
3727148	33	3S	13W

Logging Date			27-Apr-2011								
Run Number			THREE								
Depth Driller			13182 ft								
Schlumberger Depth			13190 ft								
Bottom Log Interval			13189 ft								
Top Log Interval			10055 ft								
Casing Driller Size @ Depth			9.625 in	@	9992 ft			@			
Casing Schlumberger			9988 ft								
Bit Size			8.500 in								
Type Fluid In Hole			8% KCL GELITE/SP-101								
MUD	Density	Viscosity	13.2 lbm/gal	50 s							
MUD	Fluid Loss	PH	3.6 cm3	7							
MUD	Source Of Sample		FLOWLINE								
RM @ Measured Temperature			0.157 ohm.m	@	73 degF			@			
RMF @ Measured Temperature			0.108 ohm.m	@	72 degF			@			
RMC @ Measured Temperature			0.269 ohm.m	@	73 degF			@			
Source RMF	RMC		MUDPRESS	MUDPRESS							
RM @ MRT	RMF @ MRT		0.041 @ 300	0.028 @ 300			@			@	
Maximum Recorded Temperatures			298 degF	300							
Circulation Stopped	Time		27-Apr-2011		13:00						
Logger On Bottom	Time		27-Apr-2011		12:12						
Unit Number	Location		2363	BAKERSFIELD							
Recorded By			WILLIAM TURNER								
Witnessed By			MR. SCOTT PRIOR								

			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: 28-APR-2011 4:50:31

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:	1311	Serial Number:	
Calibration Date:	2-DEC-2010	Calibration Date:	27-APR-2010	Length:	20300 FT
Calibrator Serial Number:		Calibrator Serial Number:	185	Conveyance Method:	Wireline
Calibration Cable Type:	7-48A SUS	Number of Calibration Points:	9	Rig Type:	LAND
Wheel Correction 1:	-5	Calibration RMS:	26		
Wheel Correction 2:	-5	Calibration Peak Error:	48		

Depth Control Parameters

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	ARRAY INDUCTION DENSITY - NEUTRON
Reference Log Run Number:	
Reference Log Date:	4-APR-2011
Subsequent Trip Down Log Correction:	

Depth Control Remarks

1. ALL SLB DEPTH CONTROL PROCEDURES WERE FOLLOWED
2. IDW USED AS PRIMARY DEPTH REFERENCE
3.
4.
5.
6.

DISCLAIMER
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OTHER SERVICES1	OTHER SERVICES2
OS1: SONIC SCANNER	OS1:
OS2: PEX	OS2:
OS3: ECS / HNGS	OS3:
OS4: CMR	OS4:
OS5: MSCT	OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
SUBSEQUENT TRIP TO THE WELL	
LOG CORRELATED TO "ARRAY INDUCTION" 4-APR-2011	
SONIC SCANNER RUN IN STANDARD MODE	

INTERMEDIATE FORMATION SETTING WAS USED WITH 8.5" BOREHOLE AND	
13.2LB/GAL MUD	
FMI LOGGED WITH EMEX = 180VOLTS AND AUTO LOW GAIN	
SONIC SCANNER CENTERED WITH TWO POWER PPC, 3 CME-Z, AND 1 STANDOFF	
FMI RUN WITH 20LB OF PAD PRESSURE	
MAX TEMPERATURE FROM HEAD THERMOMETERS = 300 DEG F	
FMI DATA AFFECTED BY OIL IN THE BOREHOLE FROM 12,700FT TO 12,000FT	
AFFECT APPEARS AS SMEARING ON THE LOG	
LOG CORRELATED FROM 9500FT TO 9550FT	
RIG: H&P 236	
CREW: H. BOJORQUEZ, A. PENA, J. CORONADO	
THANK YOU FOR USING SCHLUMBERGER	

RUN 1			RUN 2		
SERVICE ORDER #:		BH2Y-00052	SERVICE ORDER #:		
PROGRAM VERSION:		19C0-187	PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

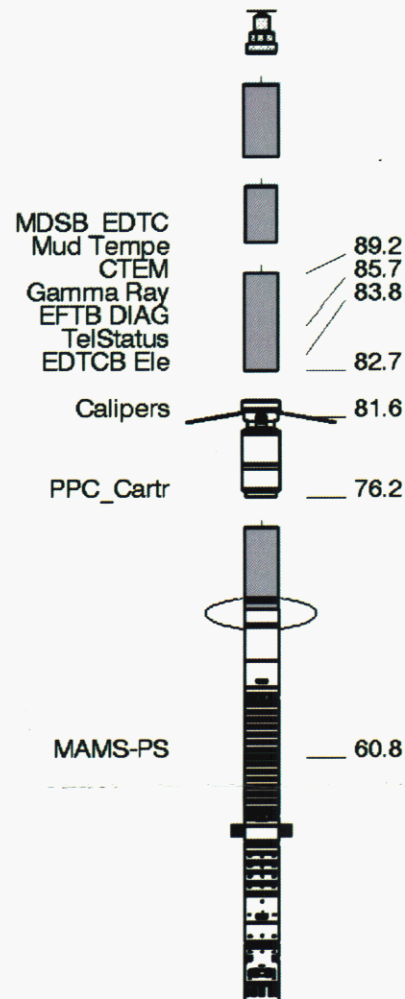
EQUIPMENT DESCRIPTION

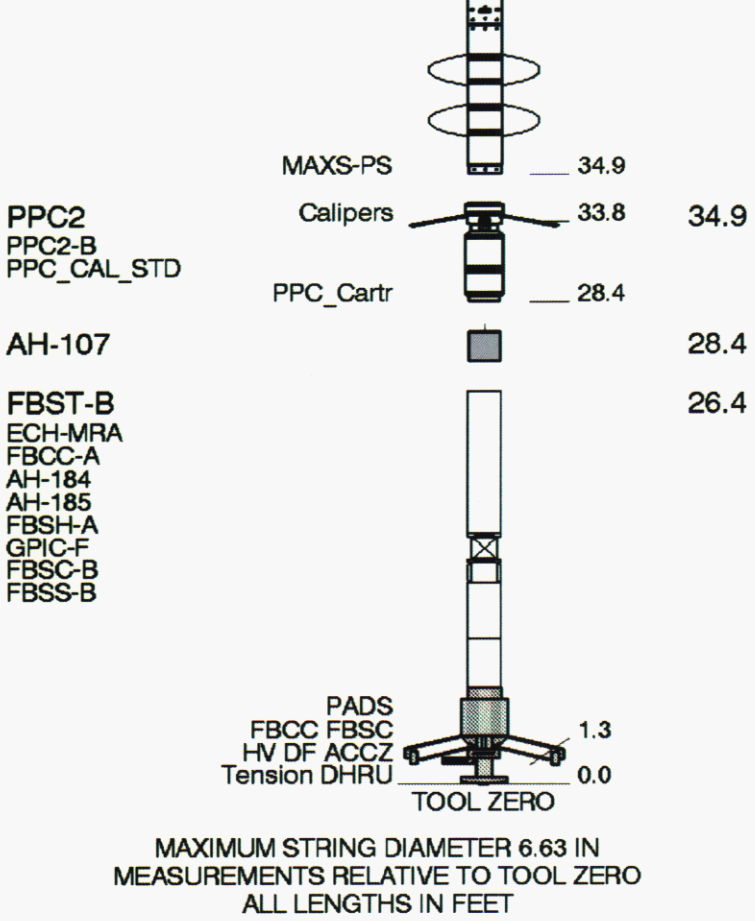
RUN 1 | RUN 2

SURFACE EQUIPMENT

WITM (EDTS)-A

DOWNHOLE EQUIPMENT





MAXIMUM STRING DIAMETER 6.63 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET

Schlumberger

FMI MAIN PASS

MAXIS Field Log

Company: OXY US LA Basin **Well: DOM-002**

Input DLIS Files

DEFAULT	FMI_CAL_MAXS_MAPC_135PUP	FN:189	PRODUCER	29-Apr-2011 22:47	13227.5 FT	9708.5 FT

Output DLIS Files

DEFAULT	FMI_CAL_MAXS_MAPC_138PUP	FN:192	PRODUCER	29-Apr-2011 22:57	13228.0 FT	9710.0 FT

Indexed to Speed Corrected Depth in this Playback

OP System Version: 19C0-187

FBST-B	19C0-187	PPC2	19C0-187
MAXS-B	19C0-187	MAPC-B	19C0-187
PPC1	19C0-187	EDTC-B	19C0-187

PIP SUMMARY

Time Mark Every 60 S

FMI Correlation Resistance (LOG) (FBCR)		
2	(KOHM)	2000

Pad One Azimuth (P1AZ_FBST)
-40 (DEG) 360

Hole Azimuth (HAZIM)
-40 (DEG) 360

Gamma Ray (GR_EDTC)
0 (GAPI) 150

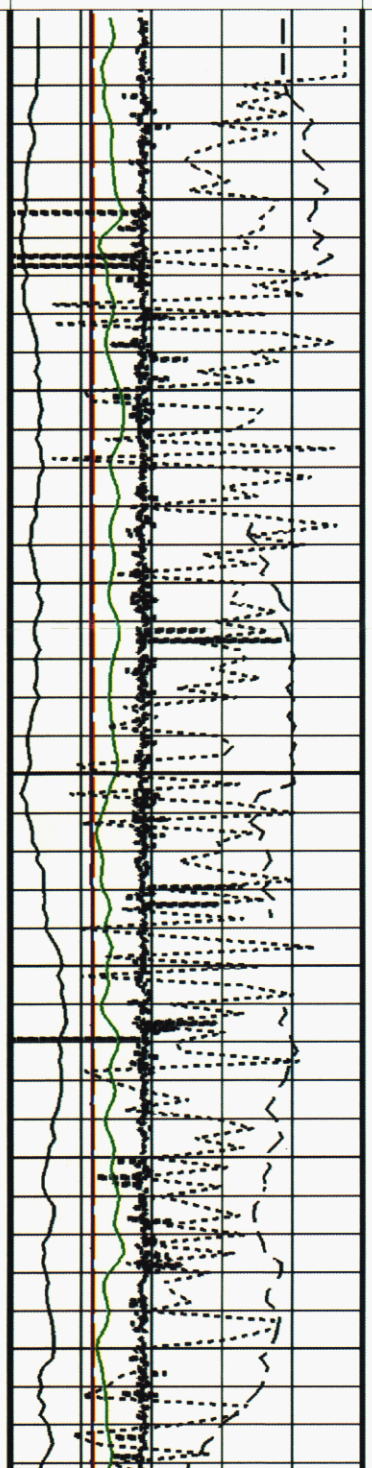
Deviation (DEVIM)
0 (DEG) 10

Caliper 2 (C2)
6 (IN) 16

Caliper 1 (C1)
6 (IN) 16

Tension (TENS)
10000 (LBF) 0

FBST/PADA (FBAA_P)
(---)



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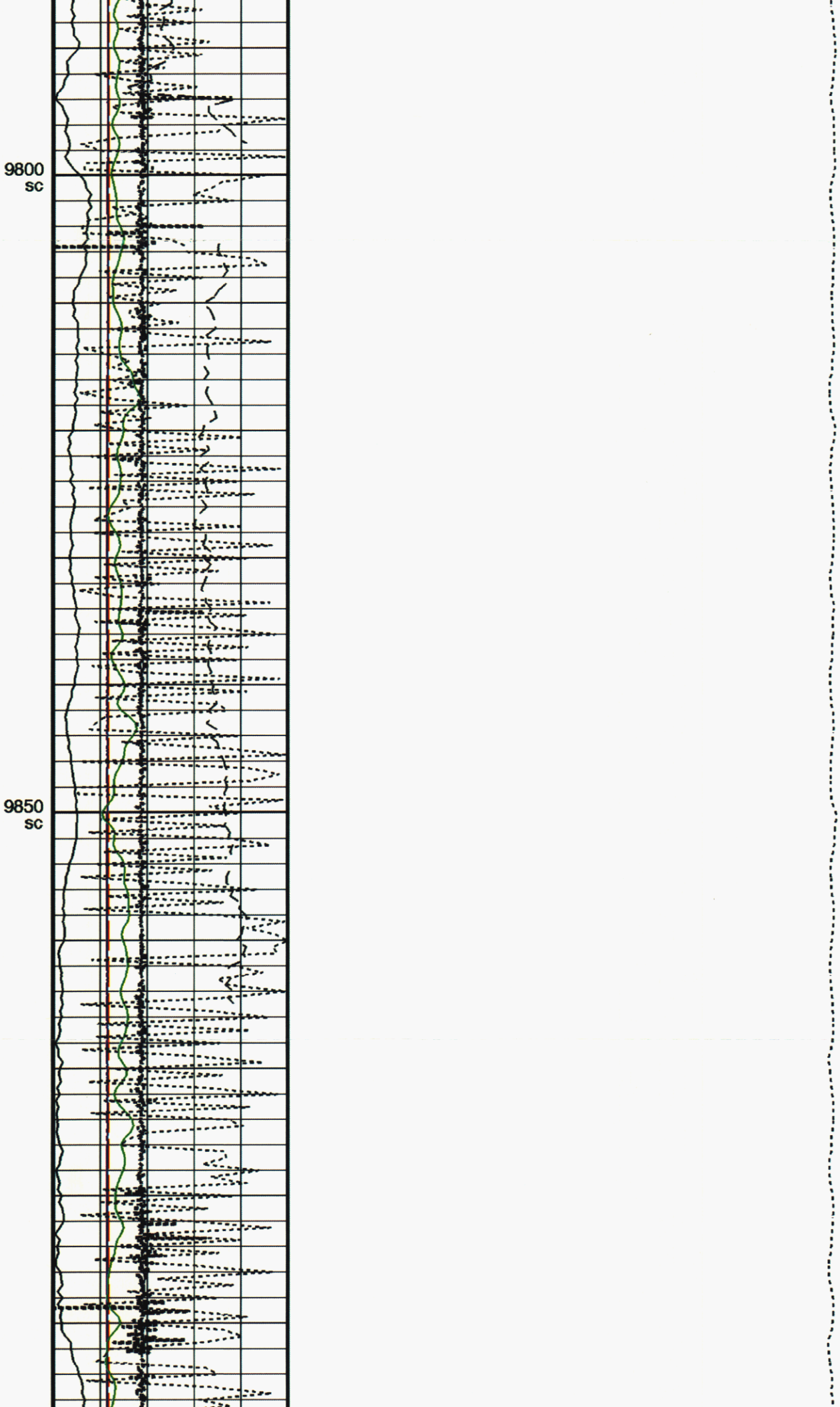
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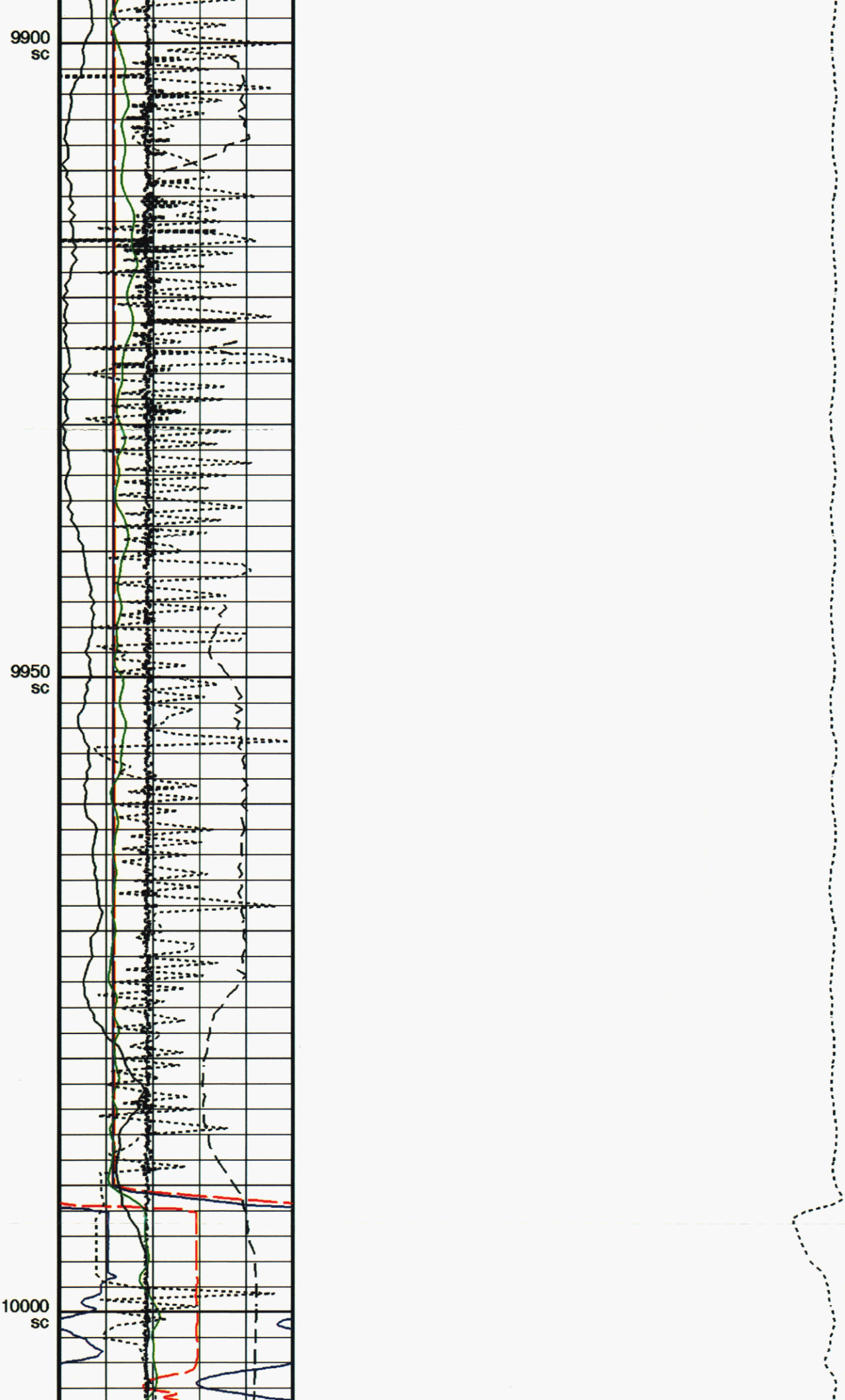
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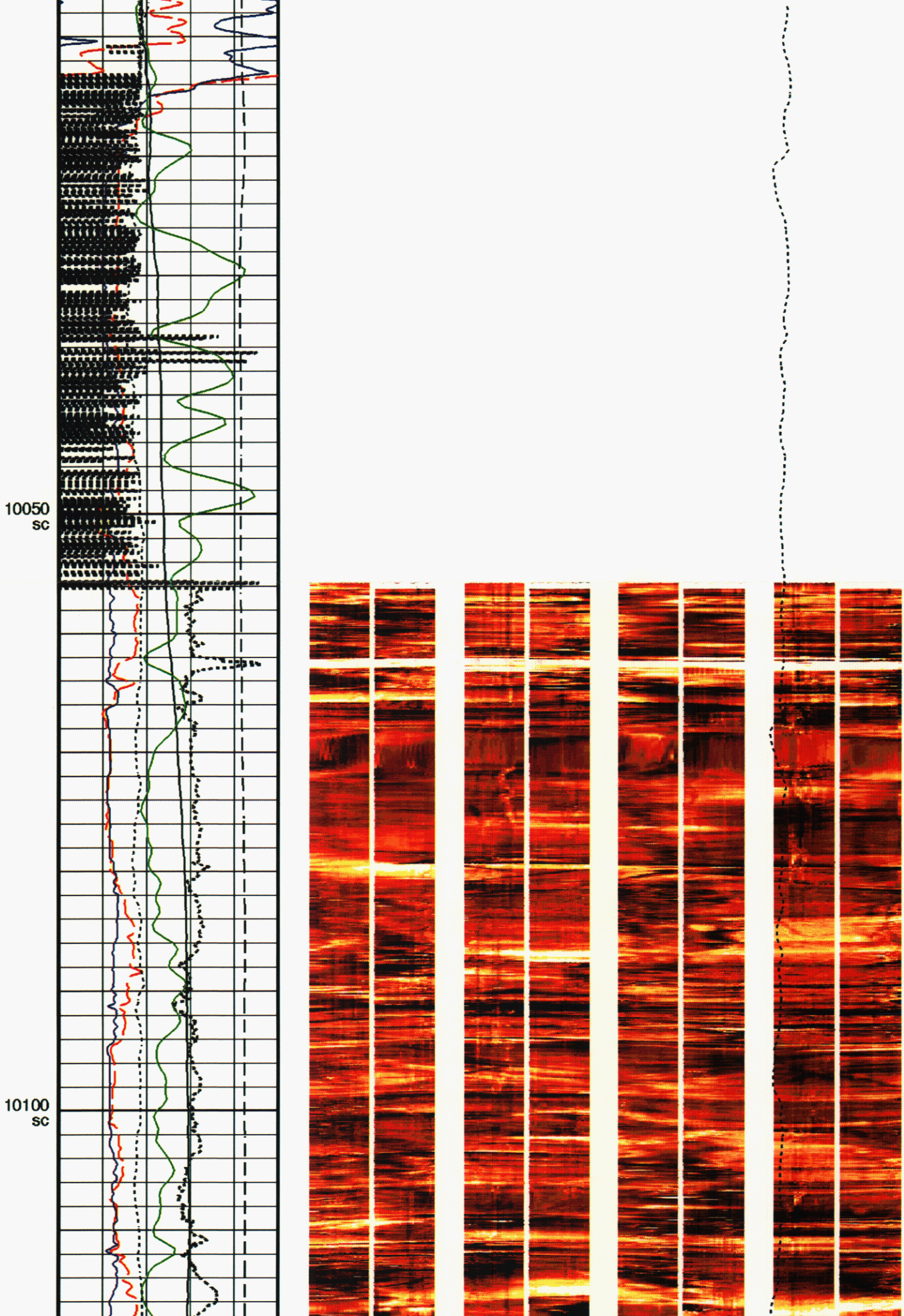
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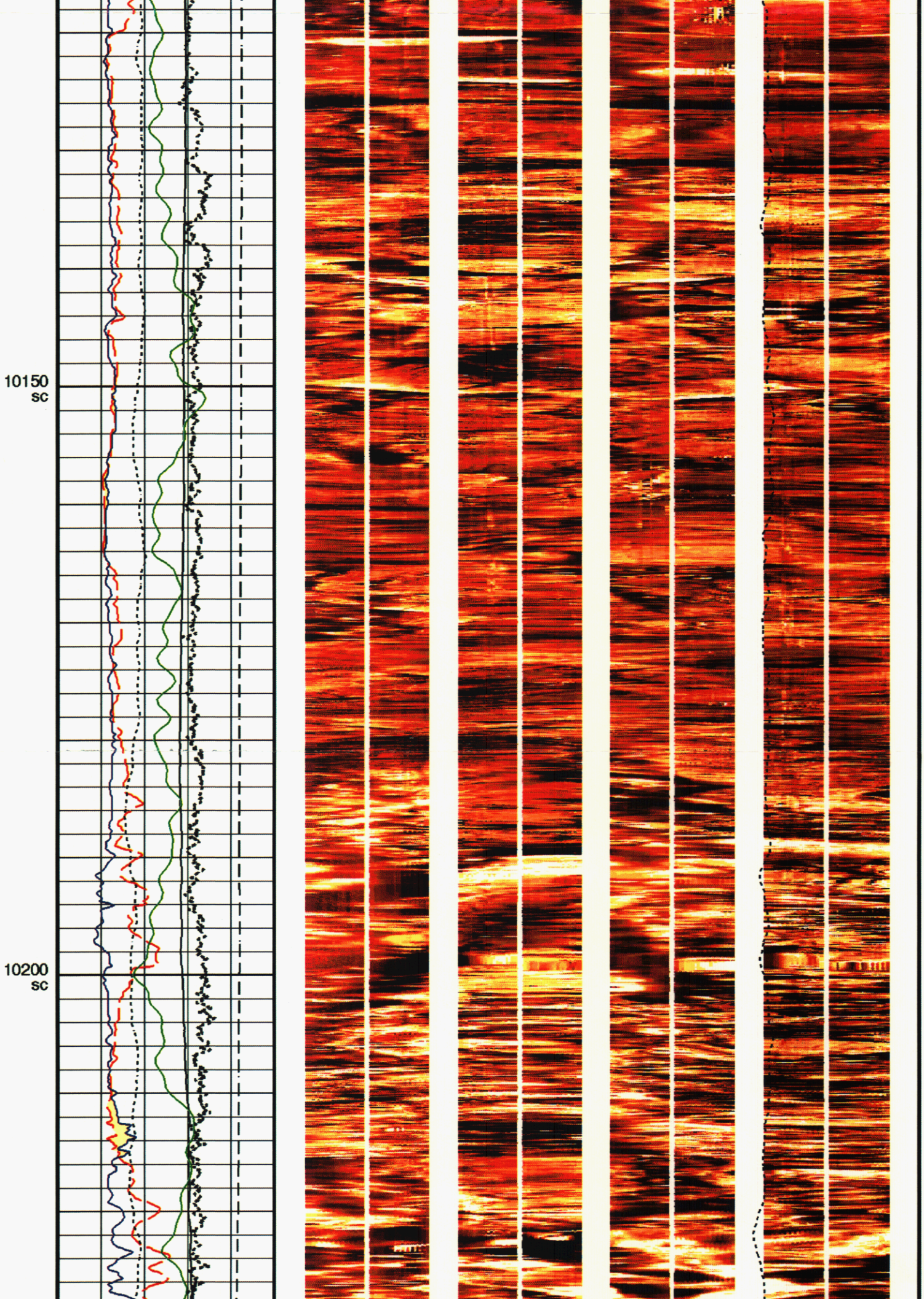
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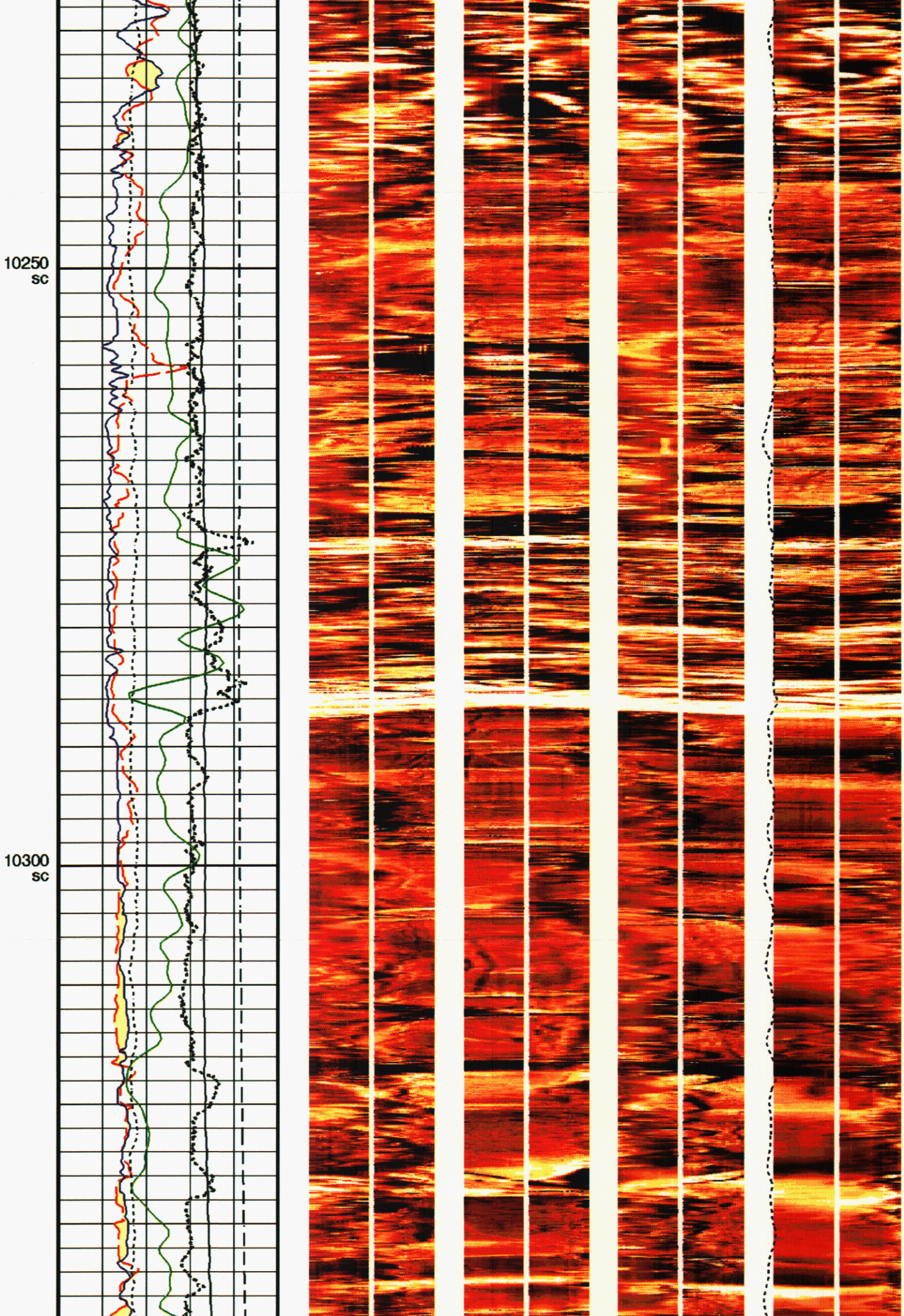
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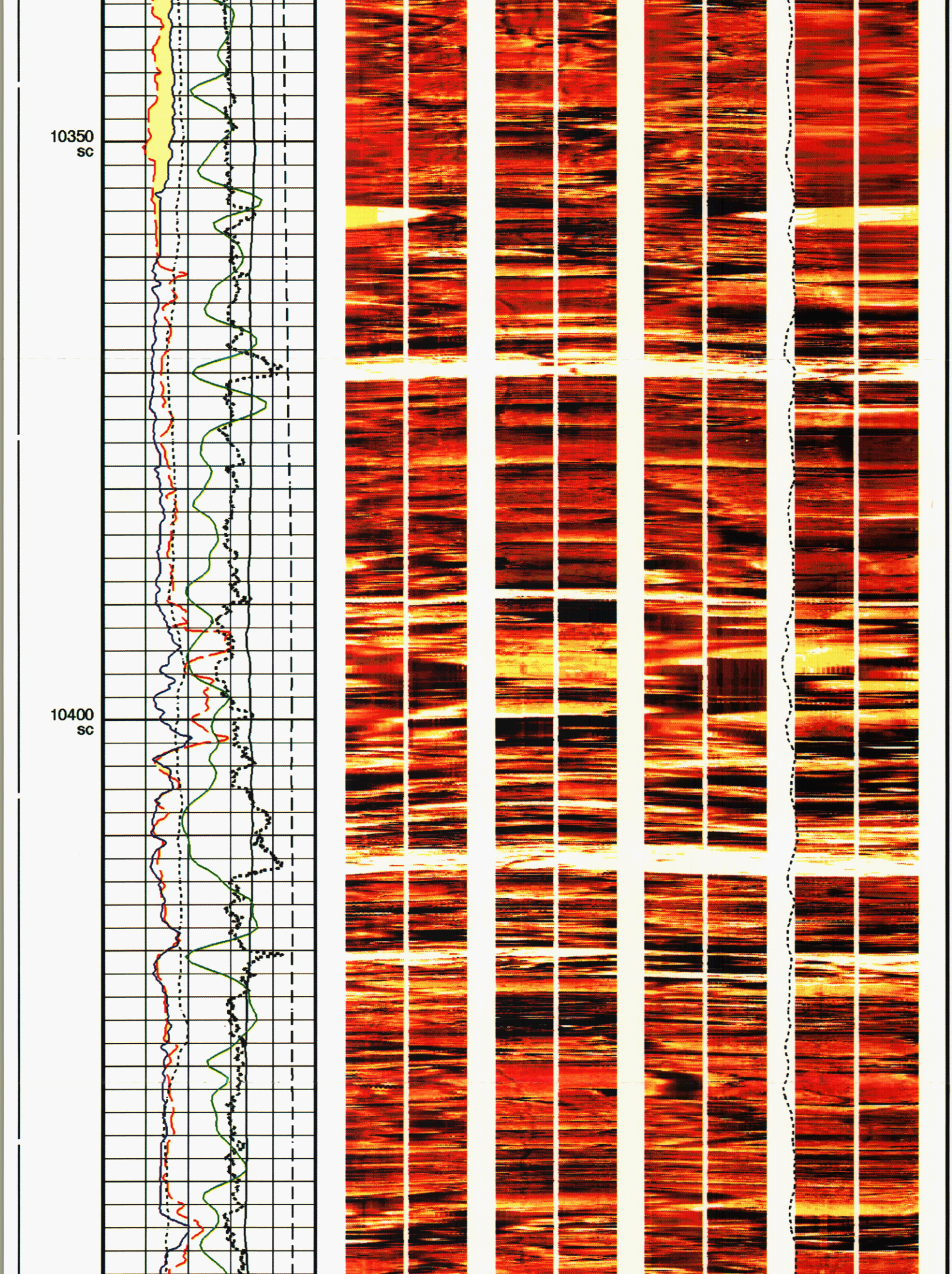
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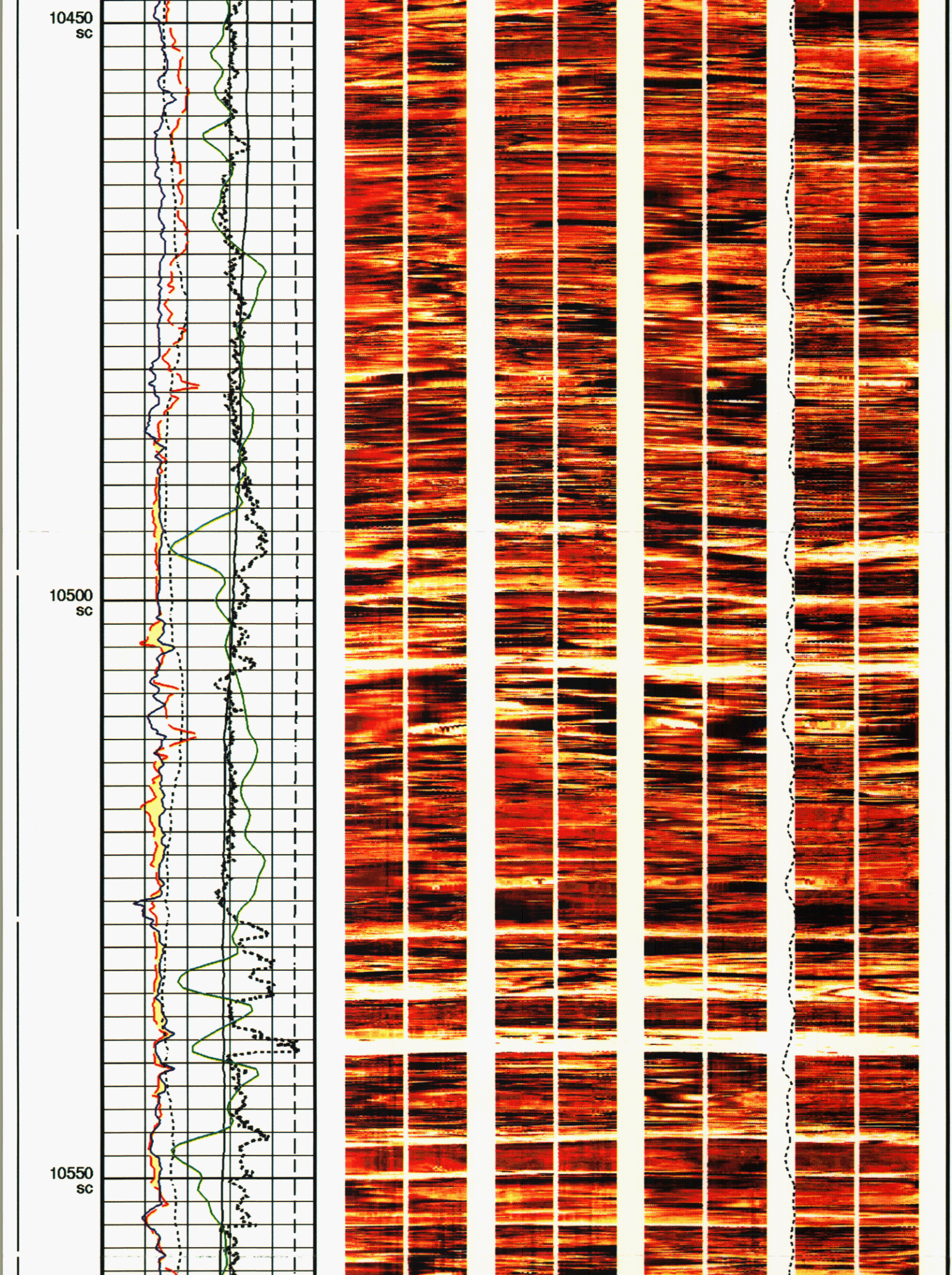
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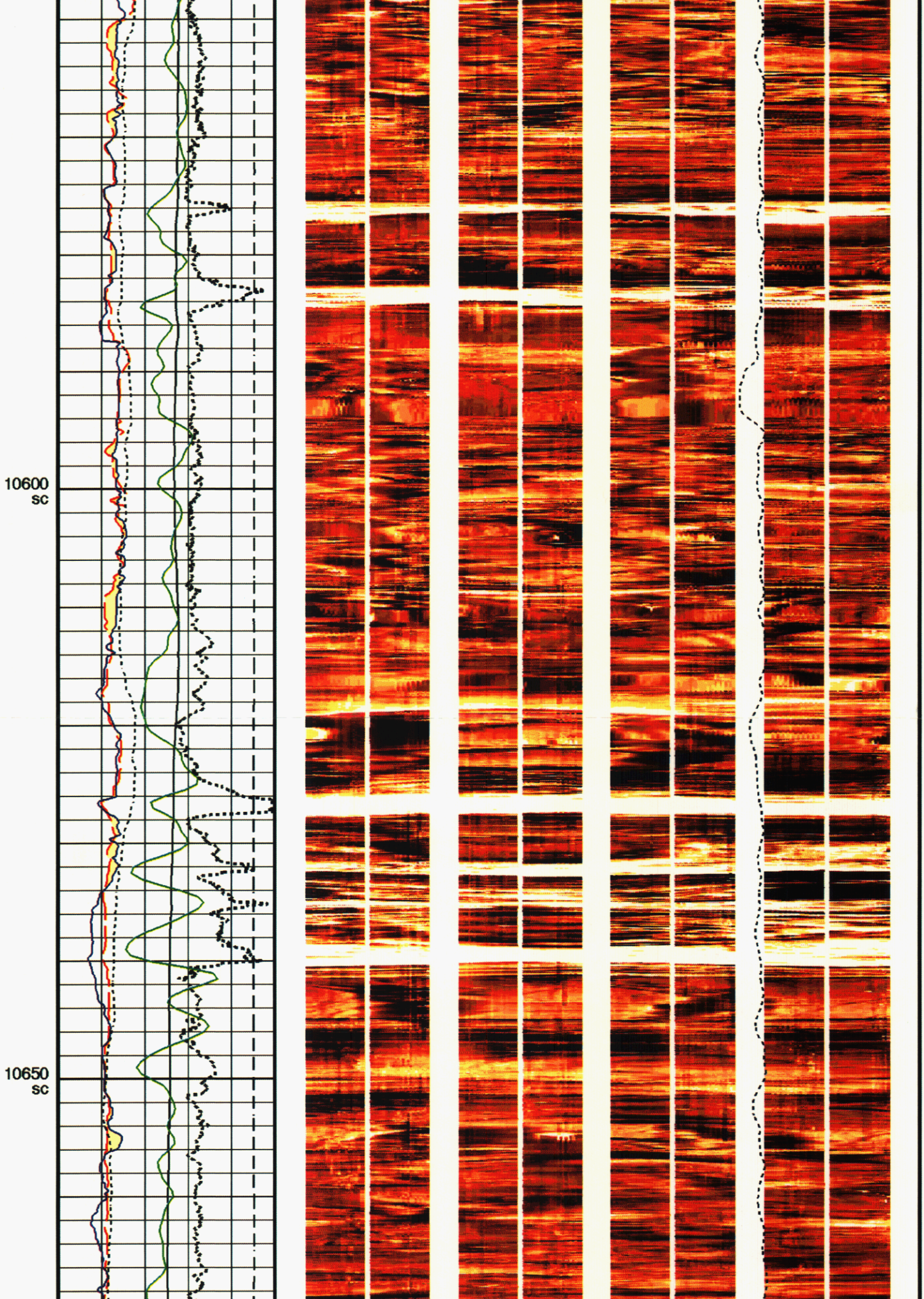
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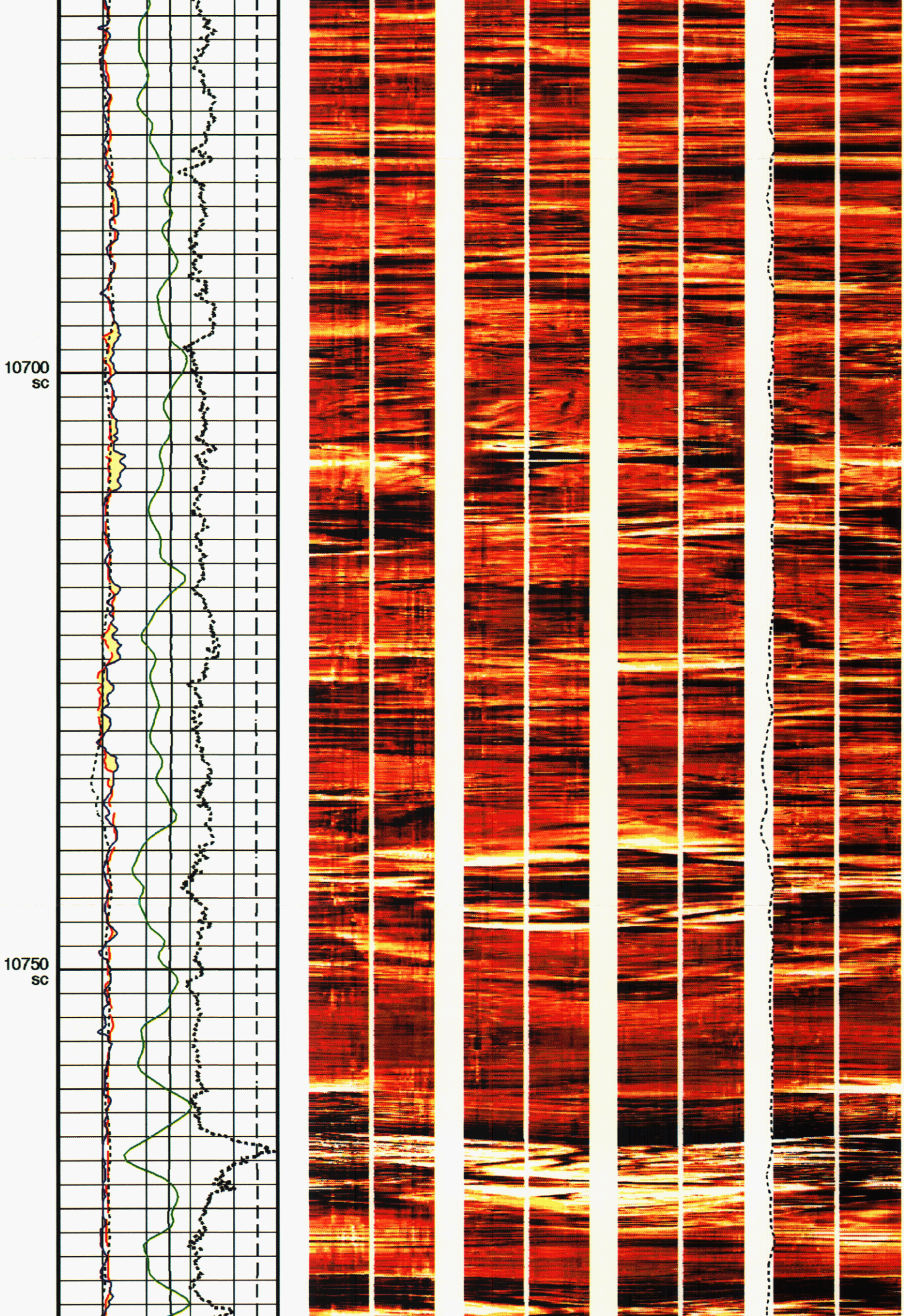
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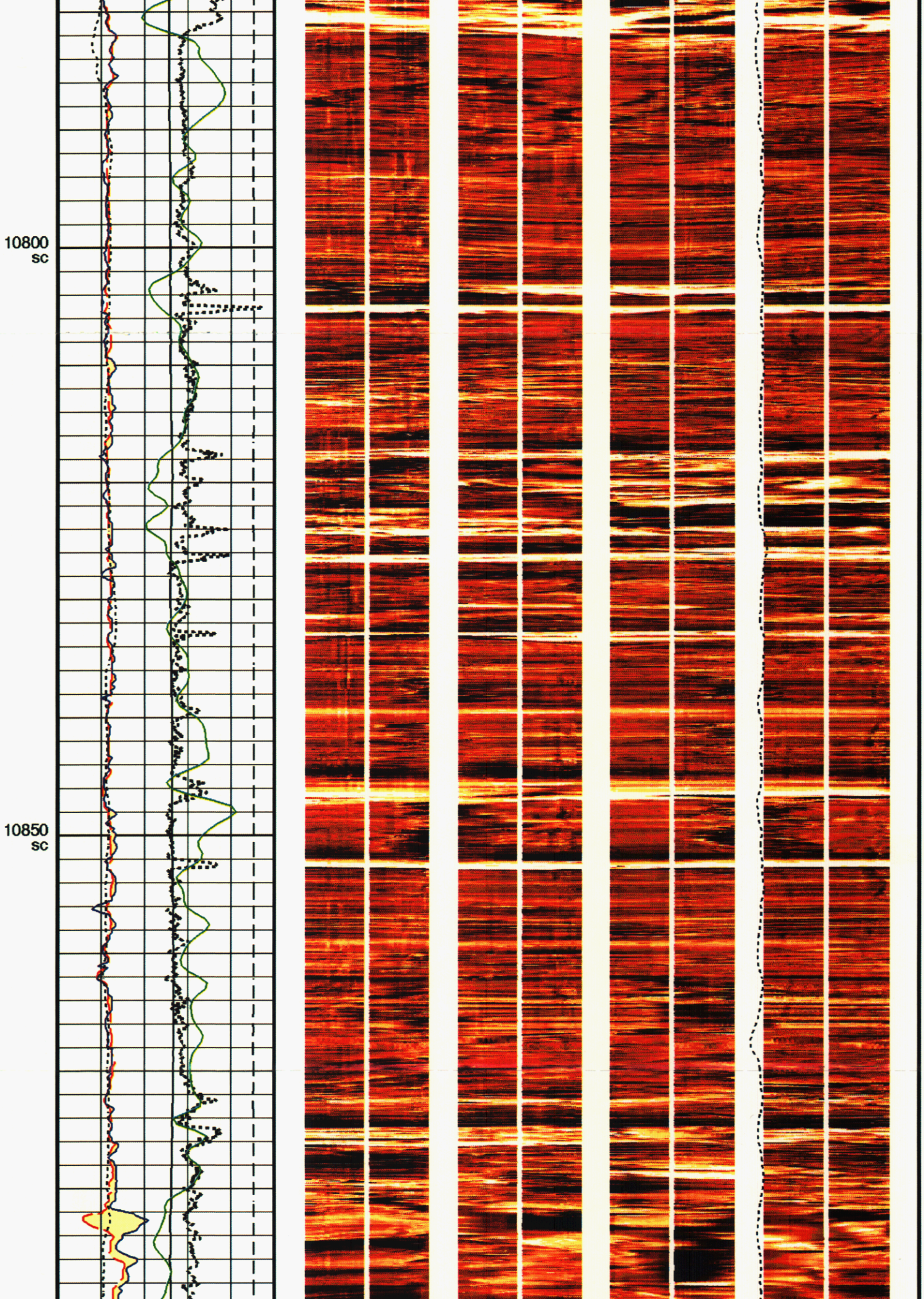
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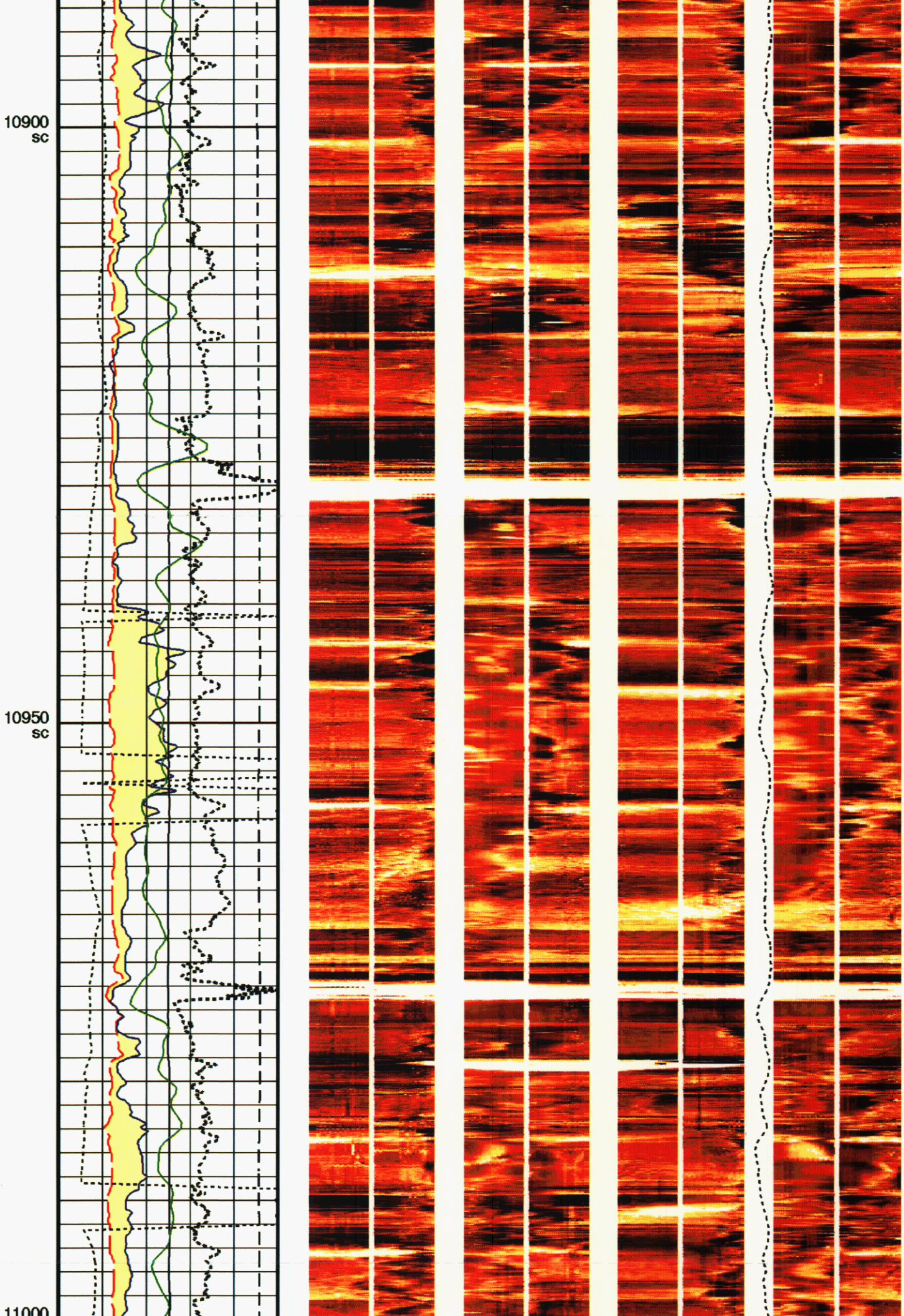
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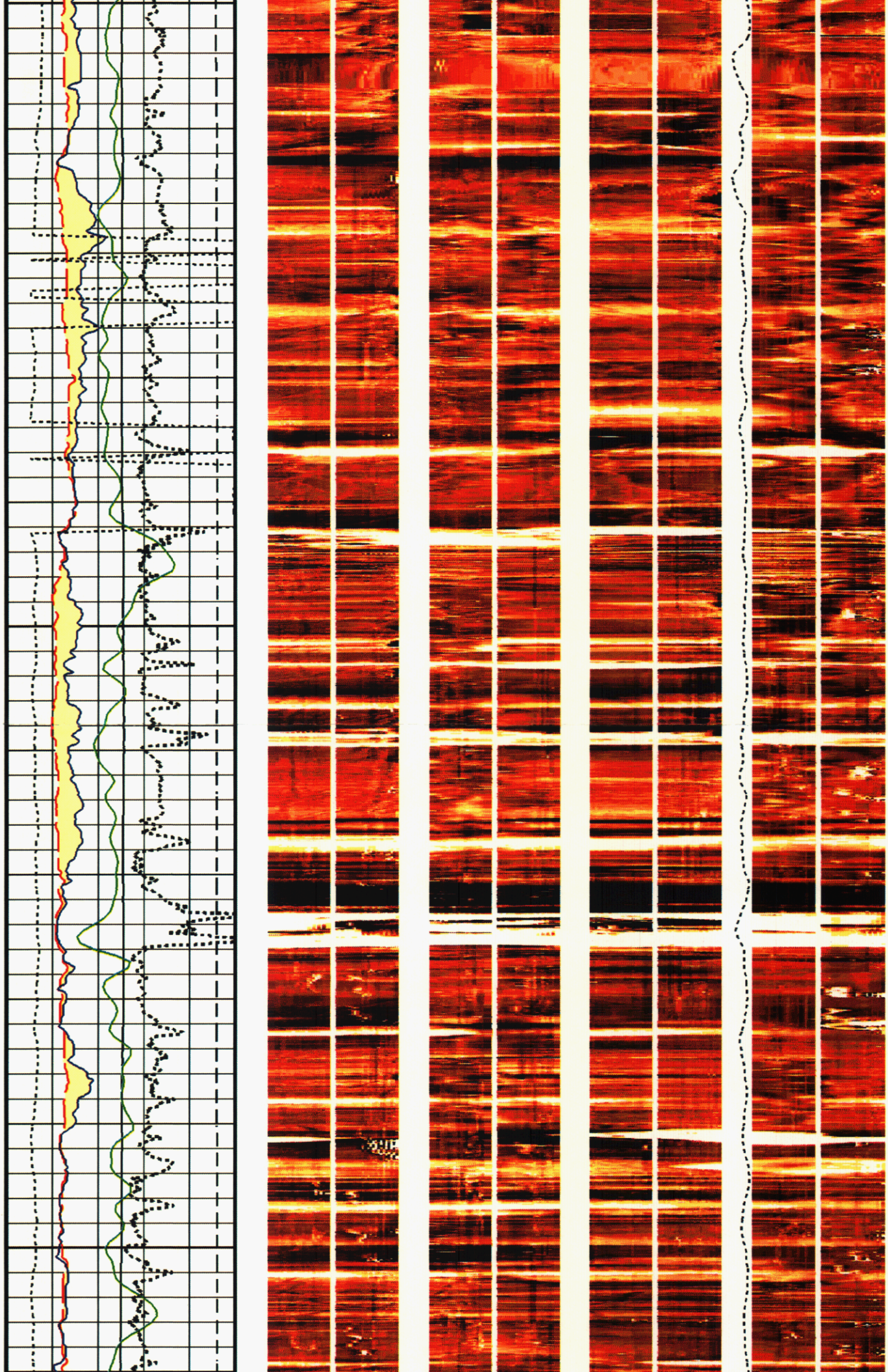
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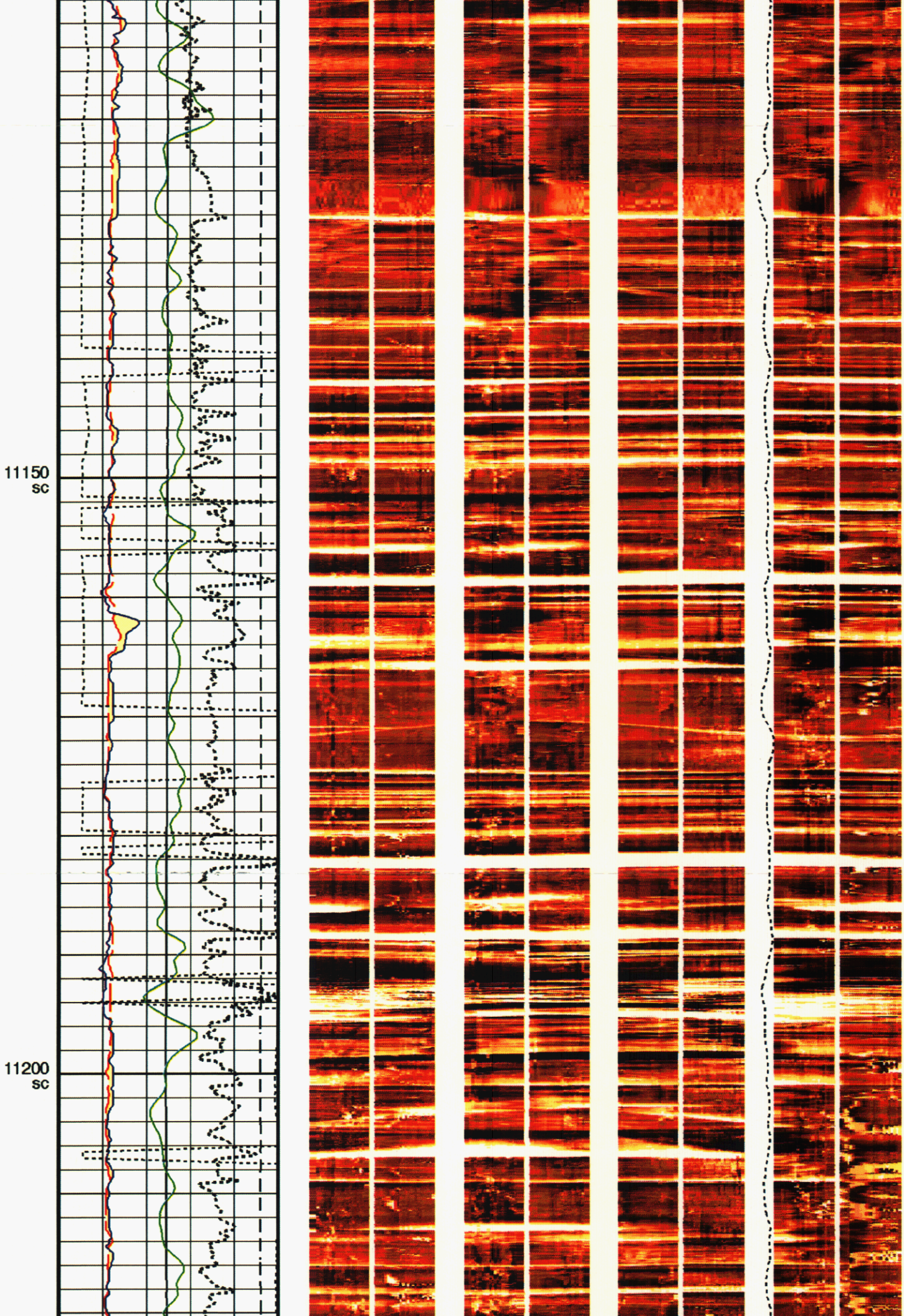
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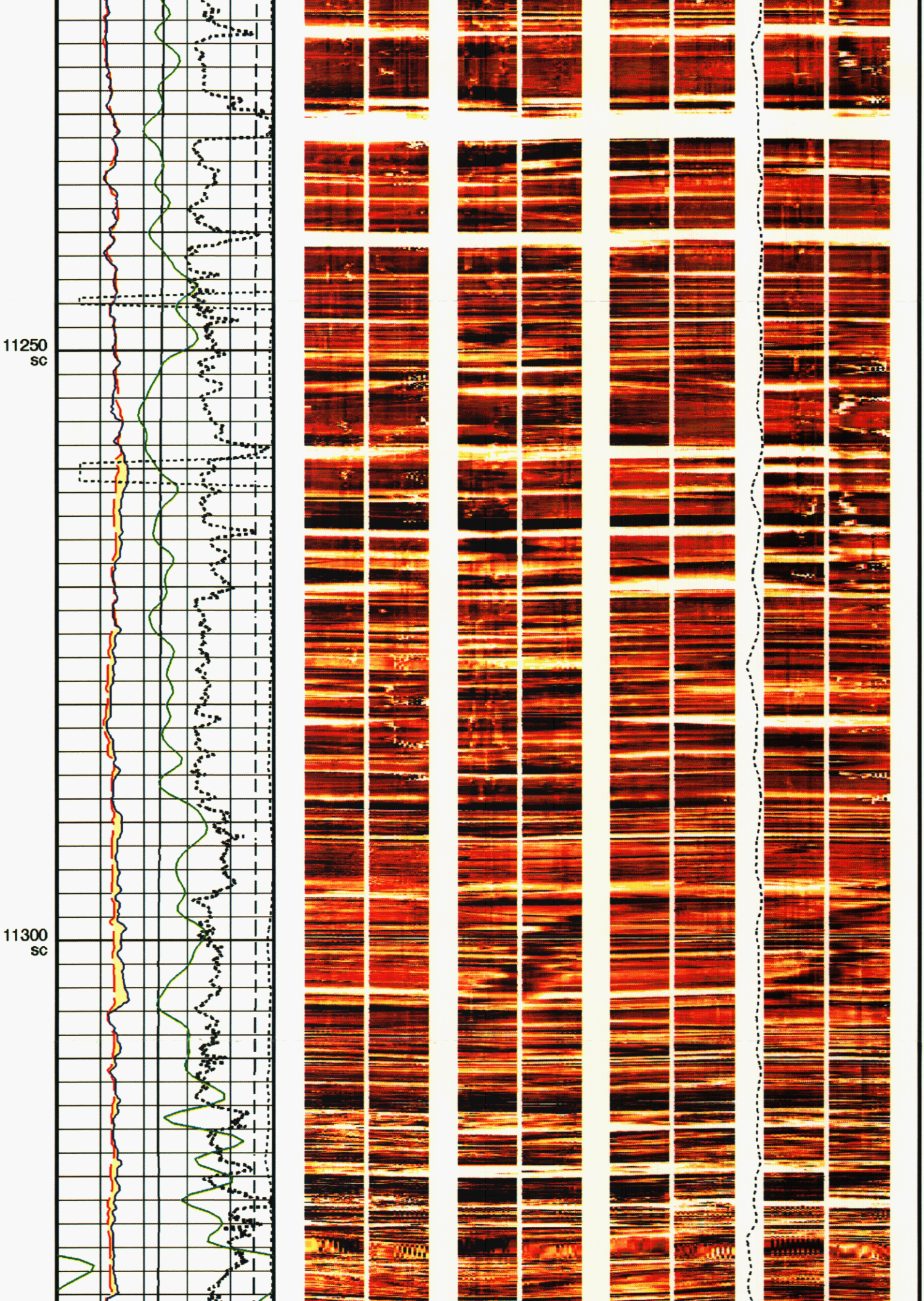
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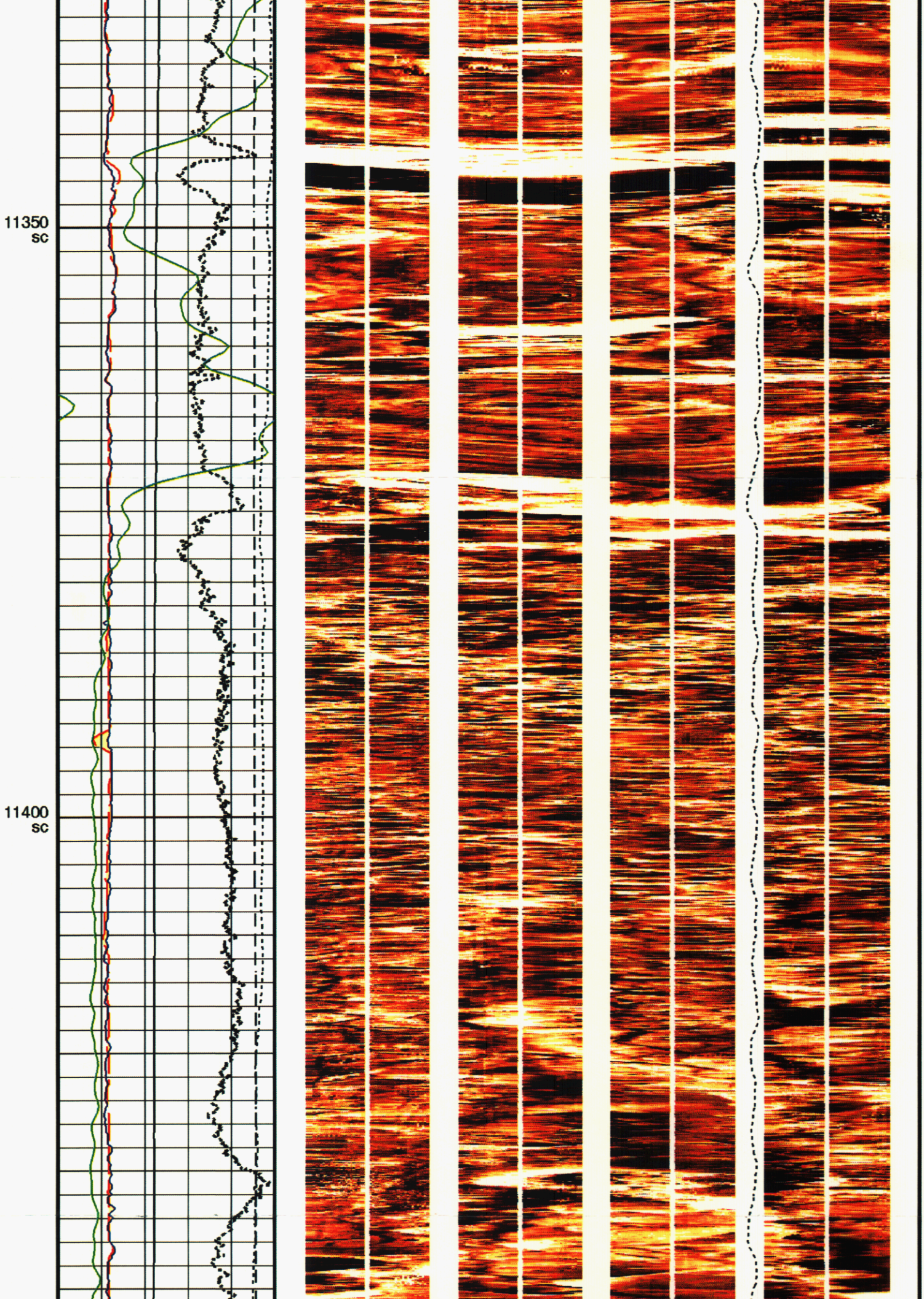
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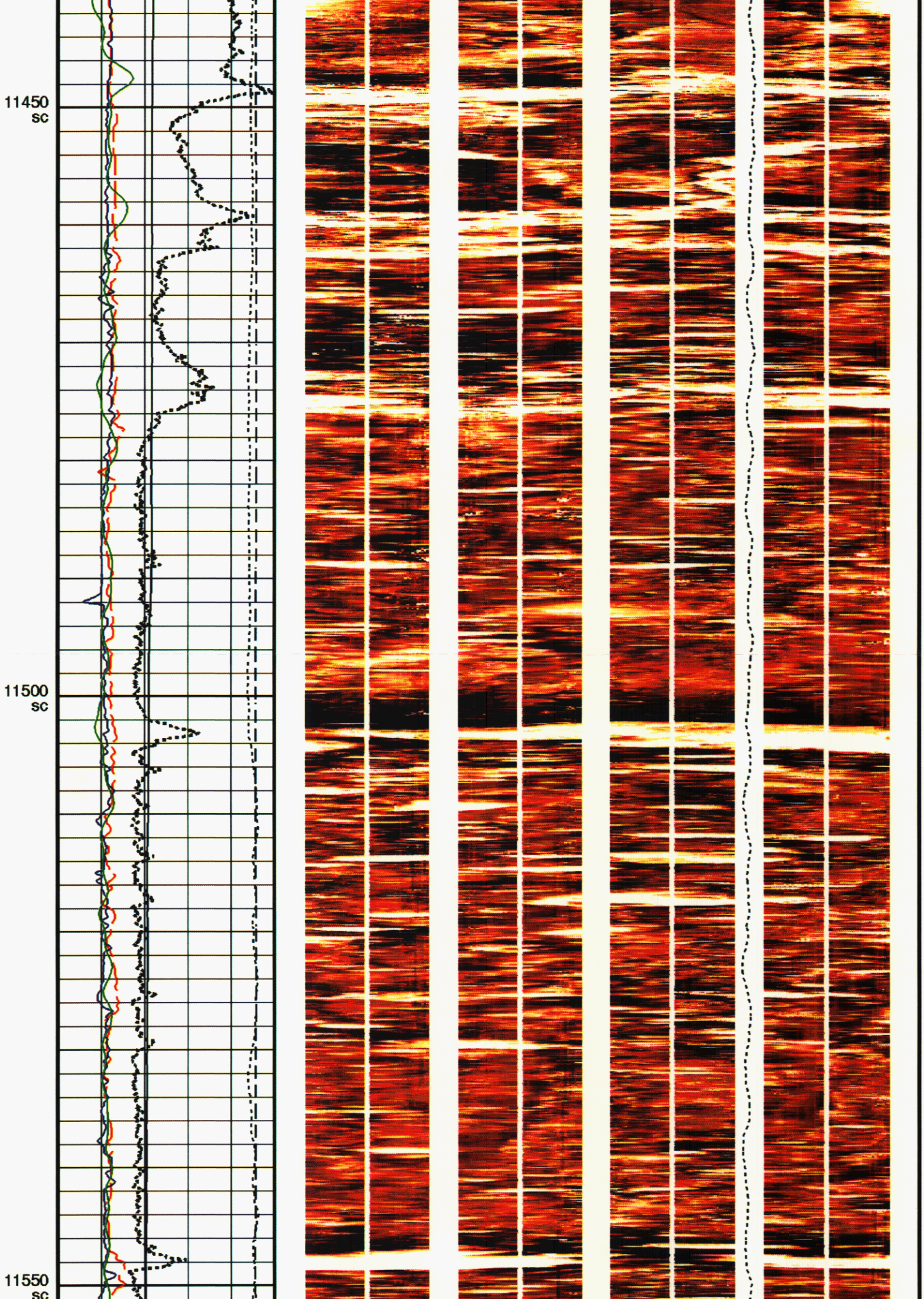
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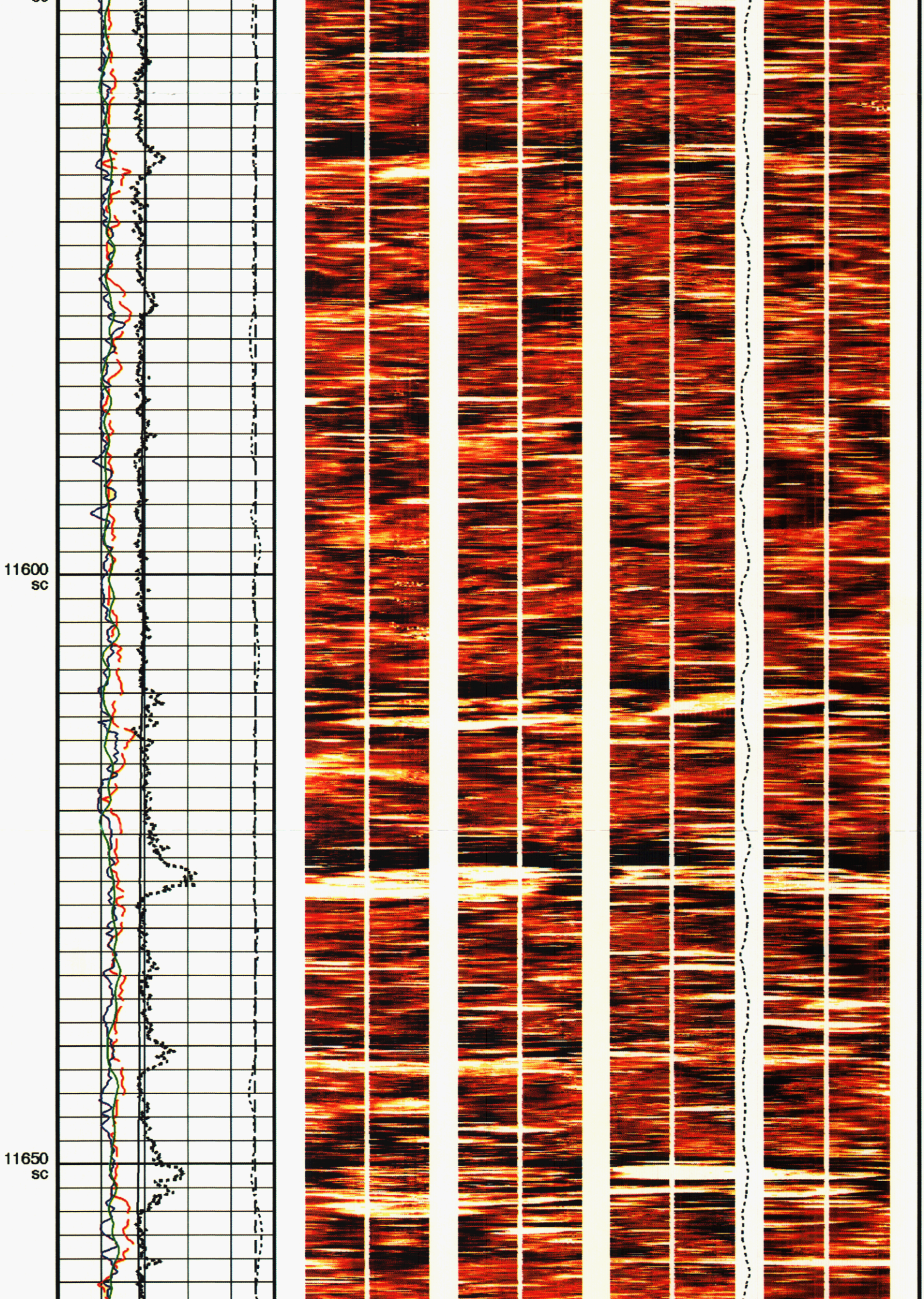
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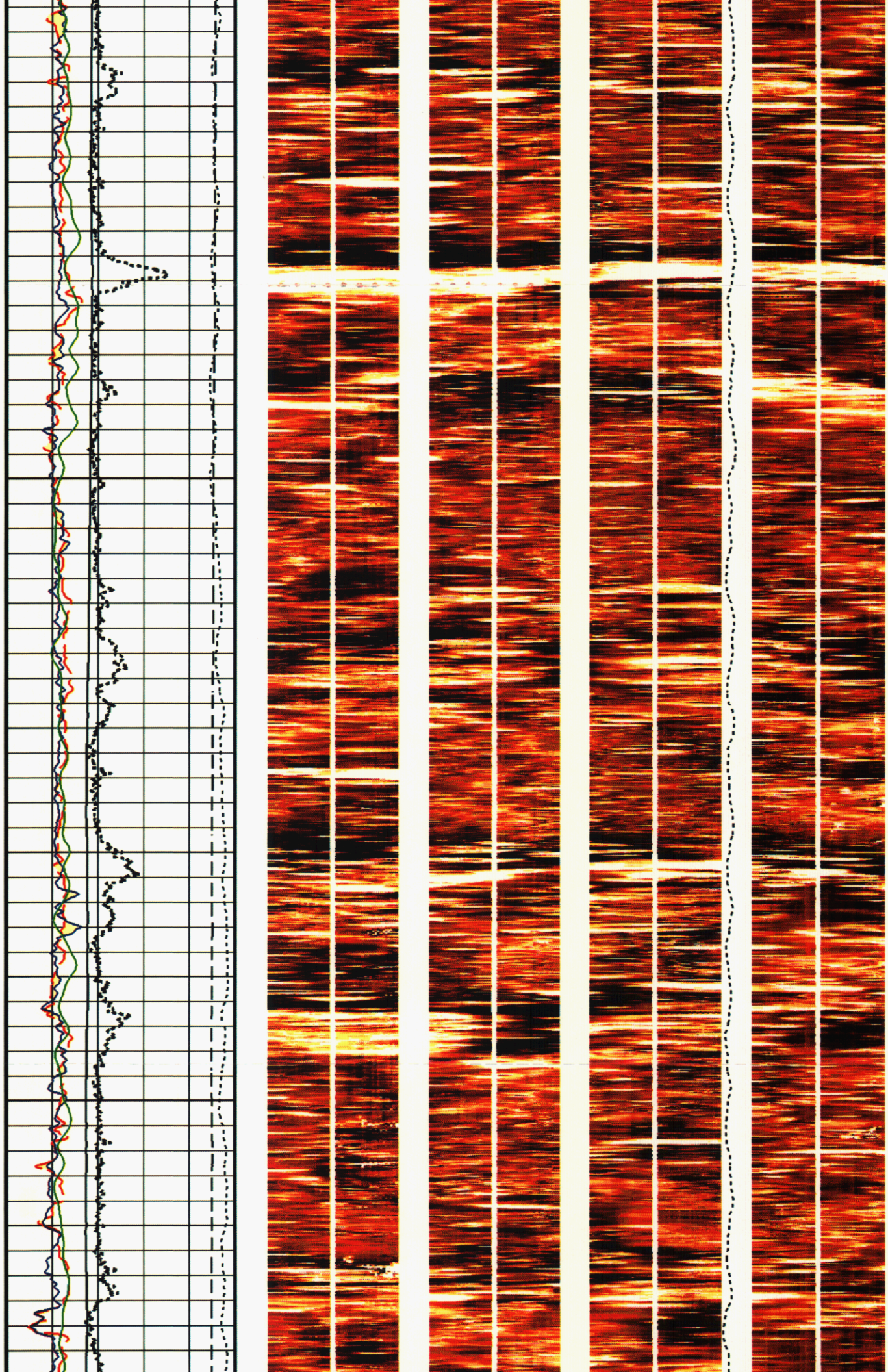
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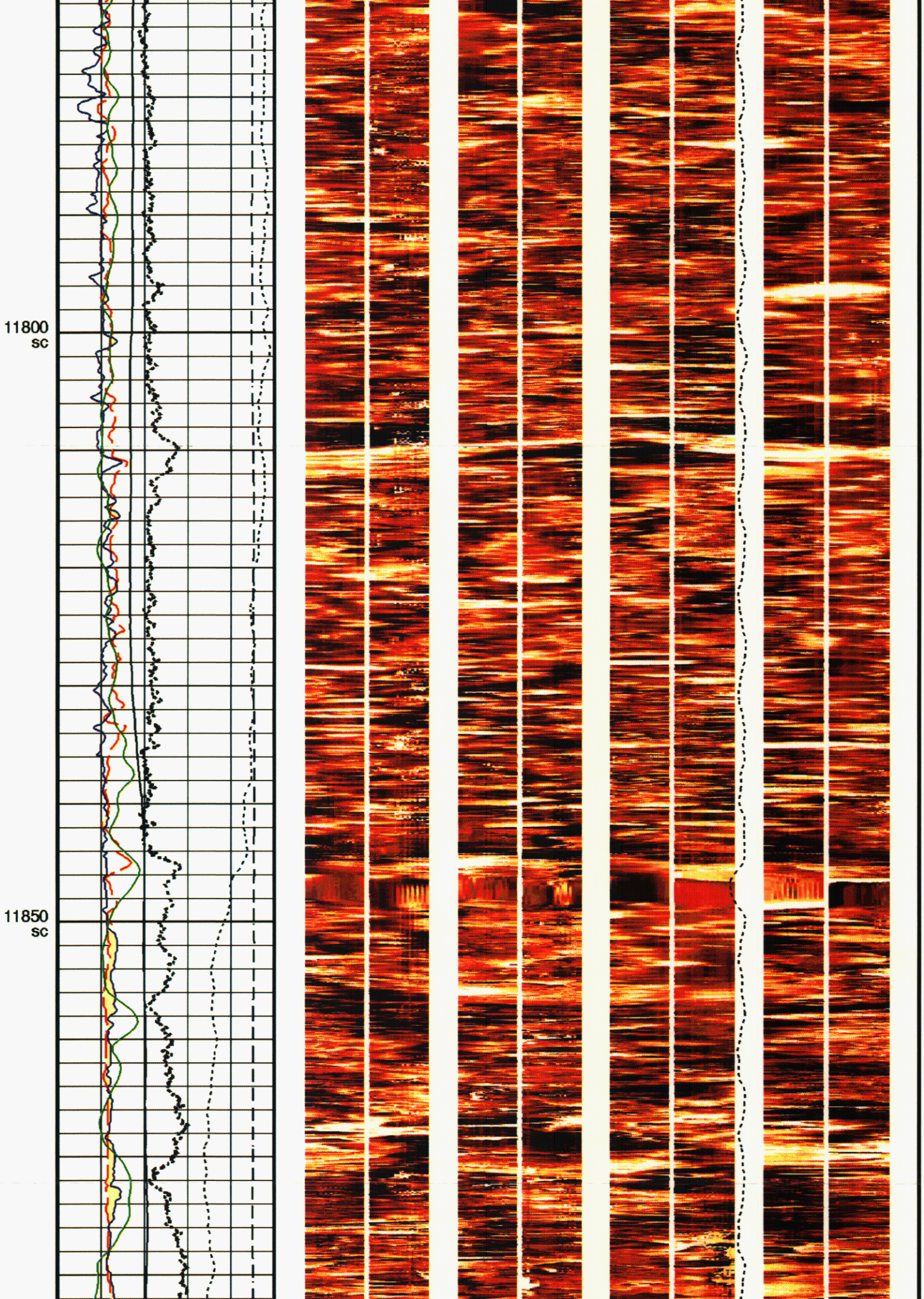
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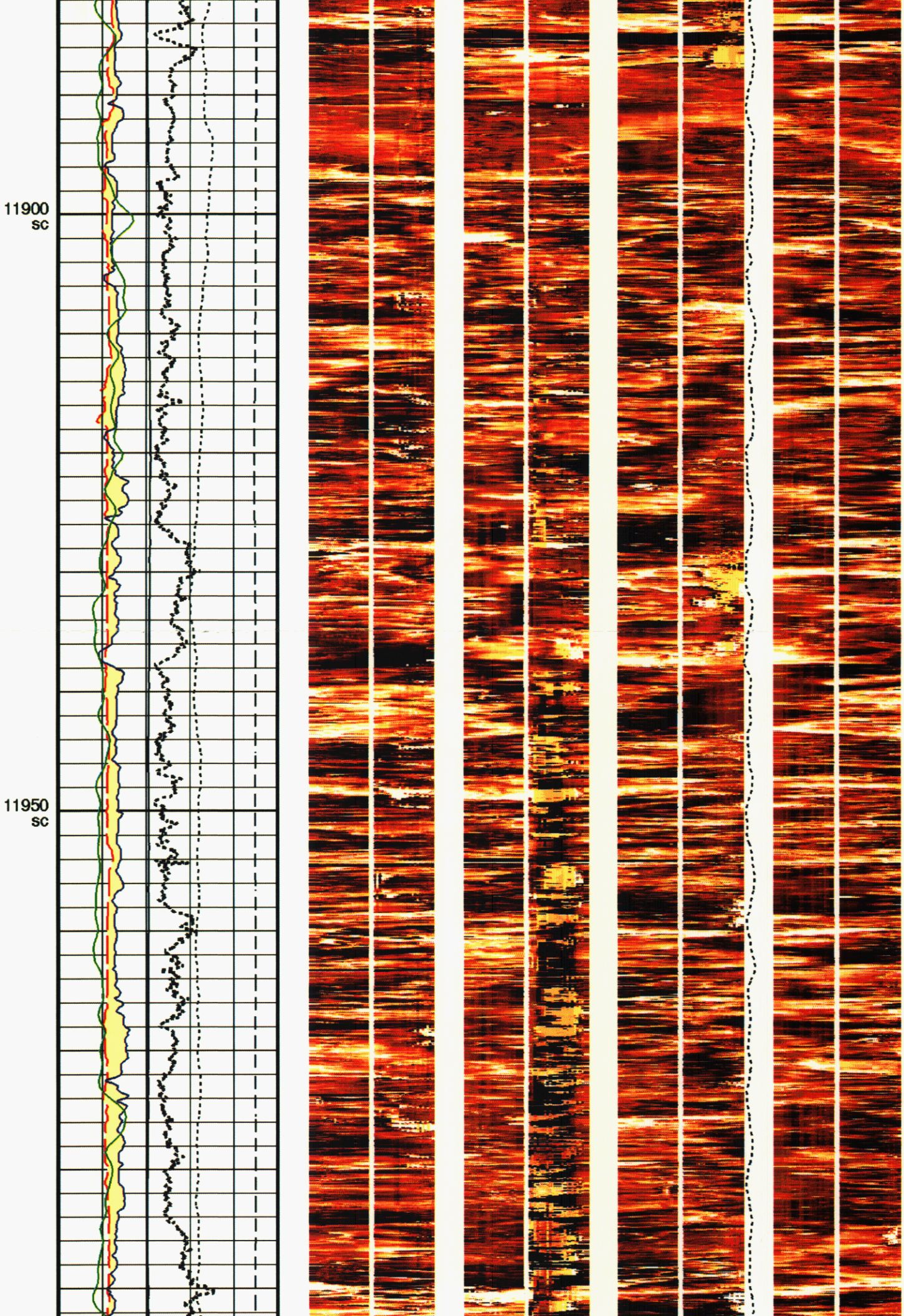
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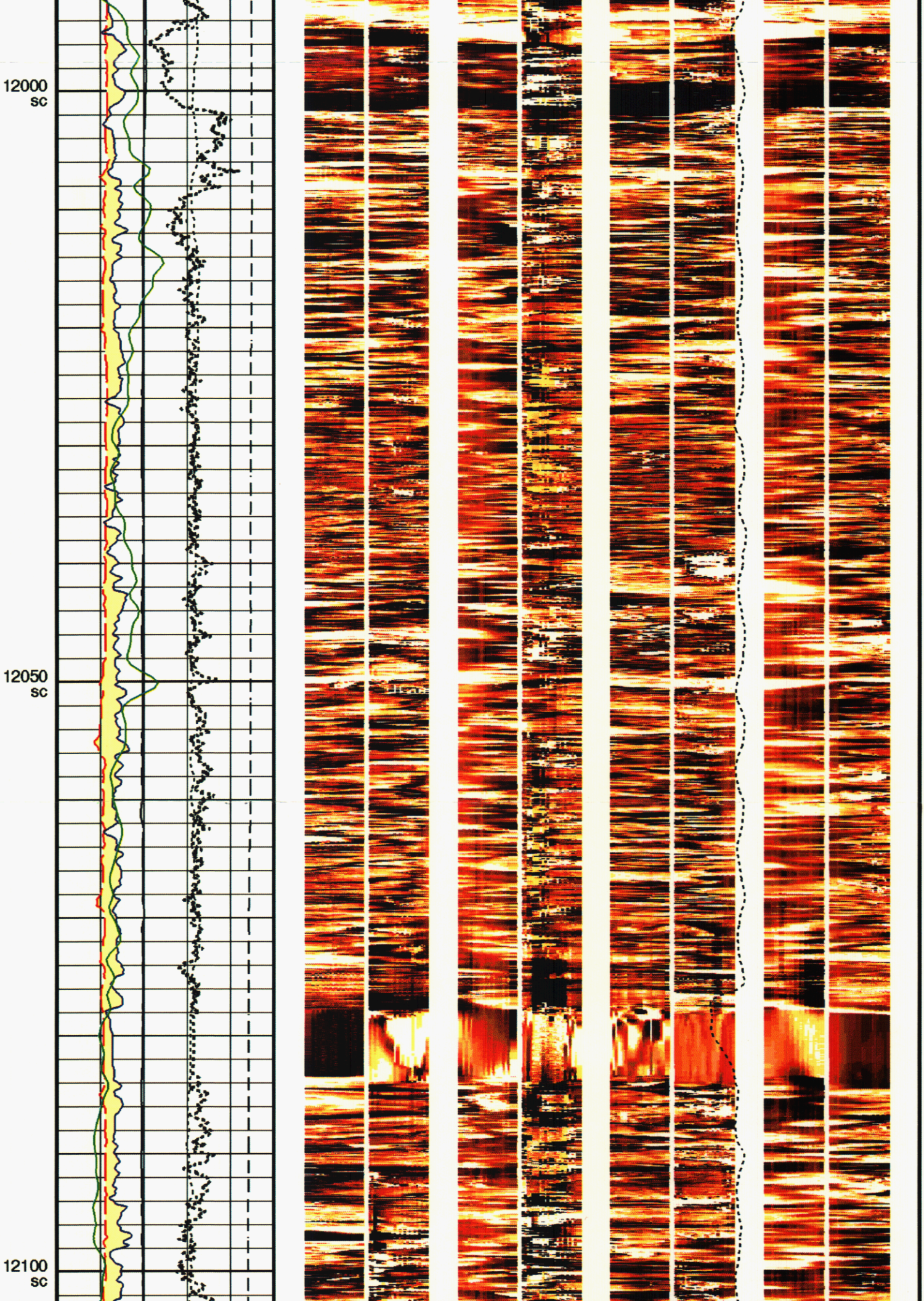
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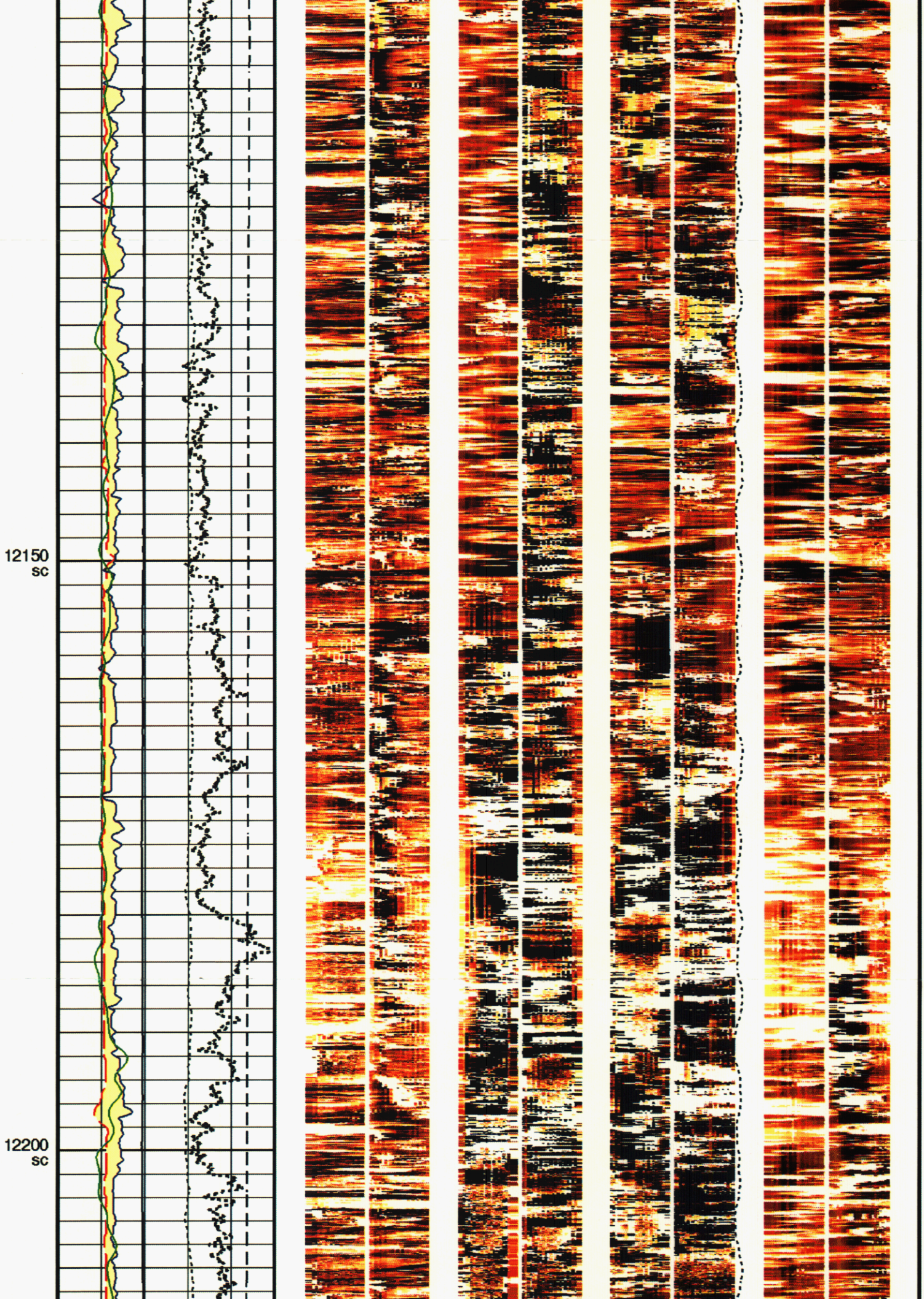
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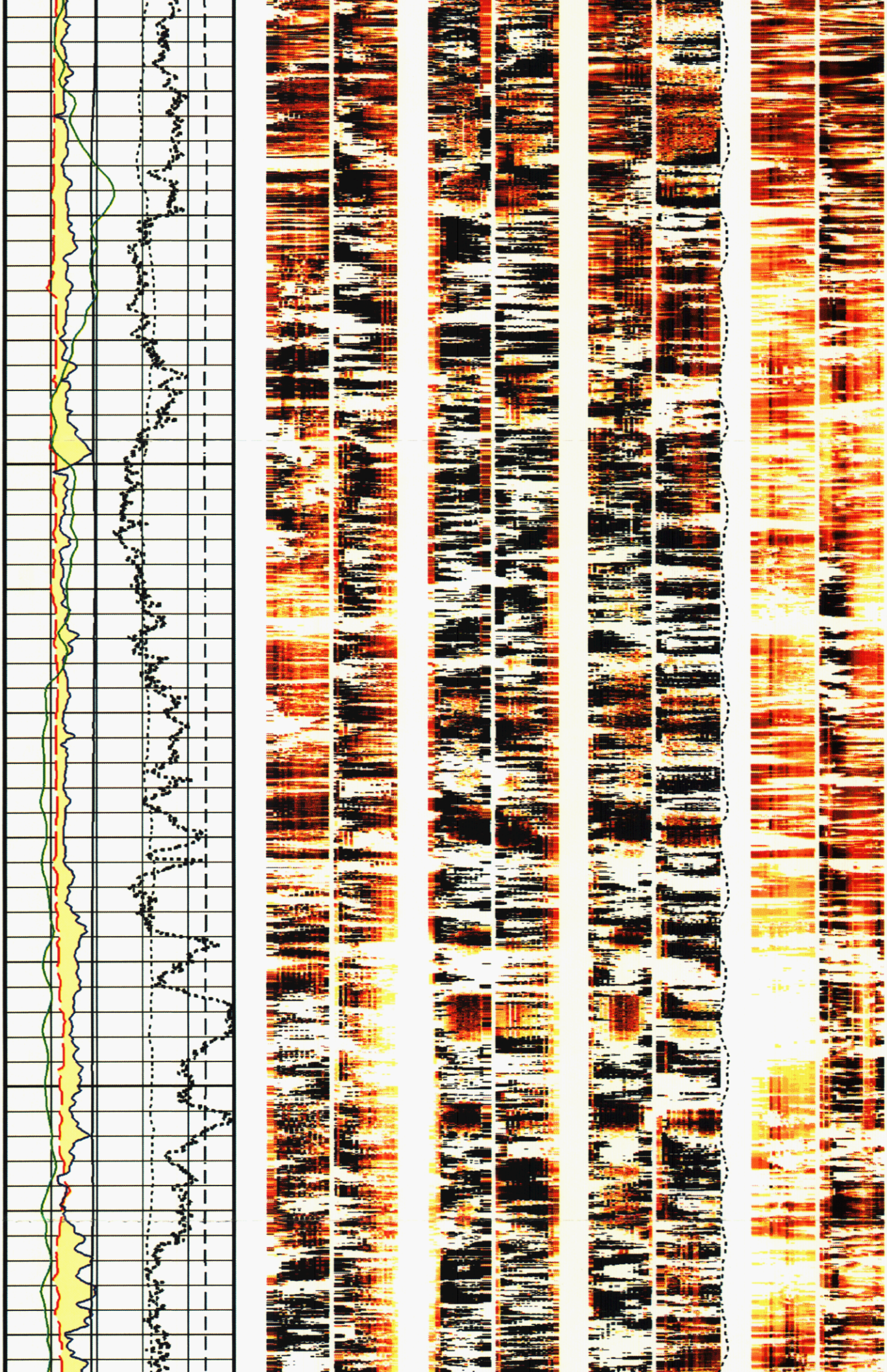
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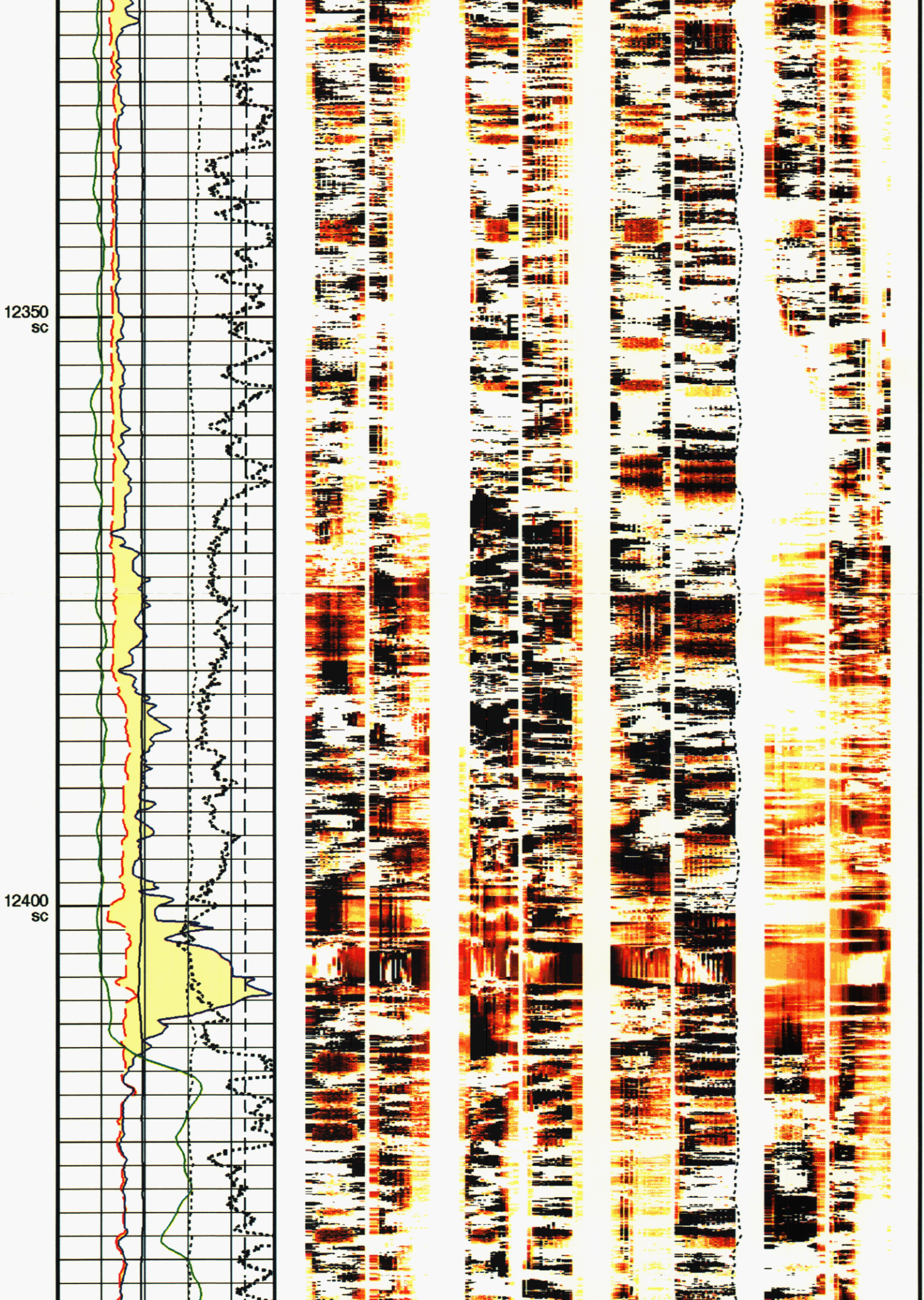
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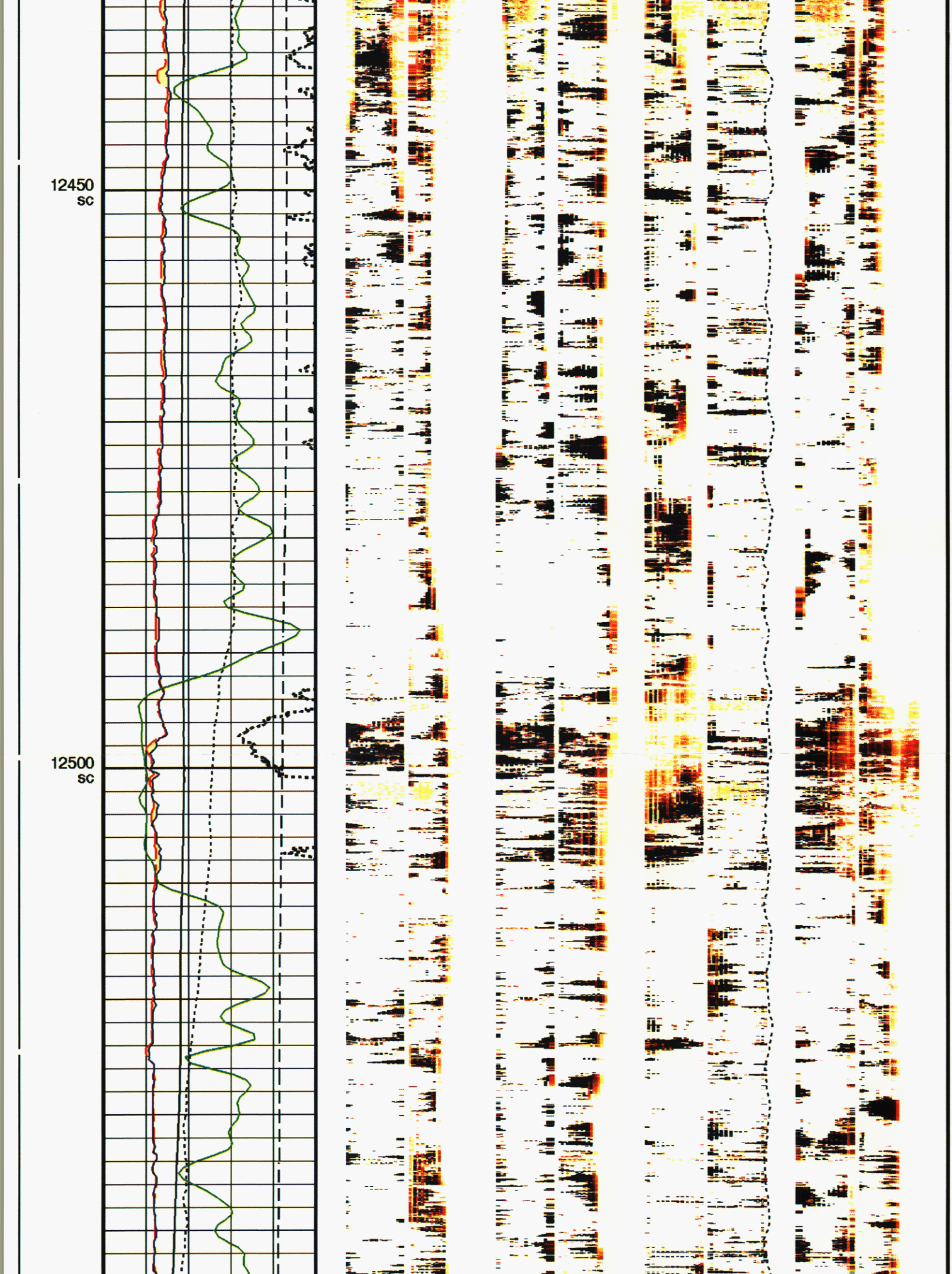
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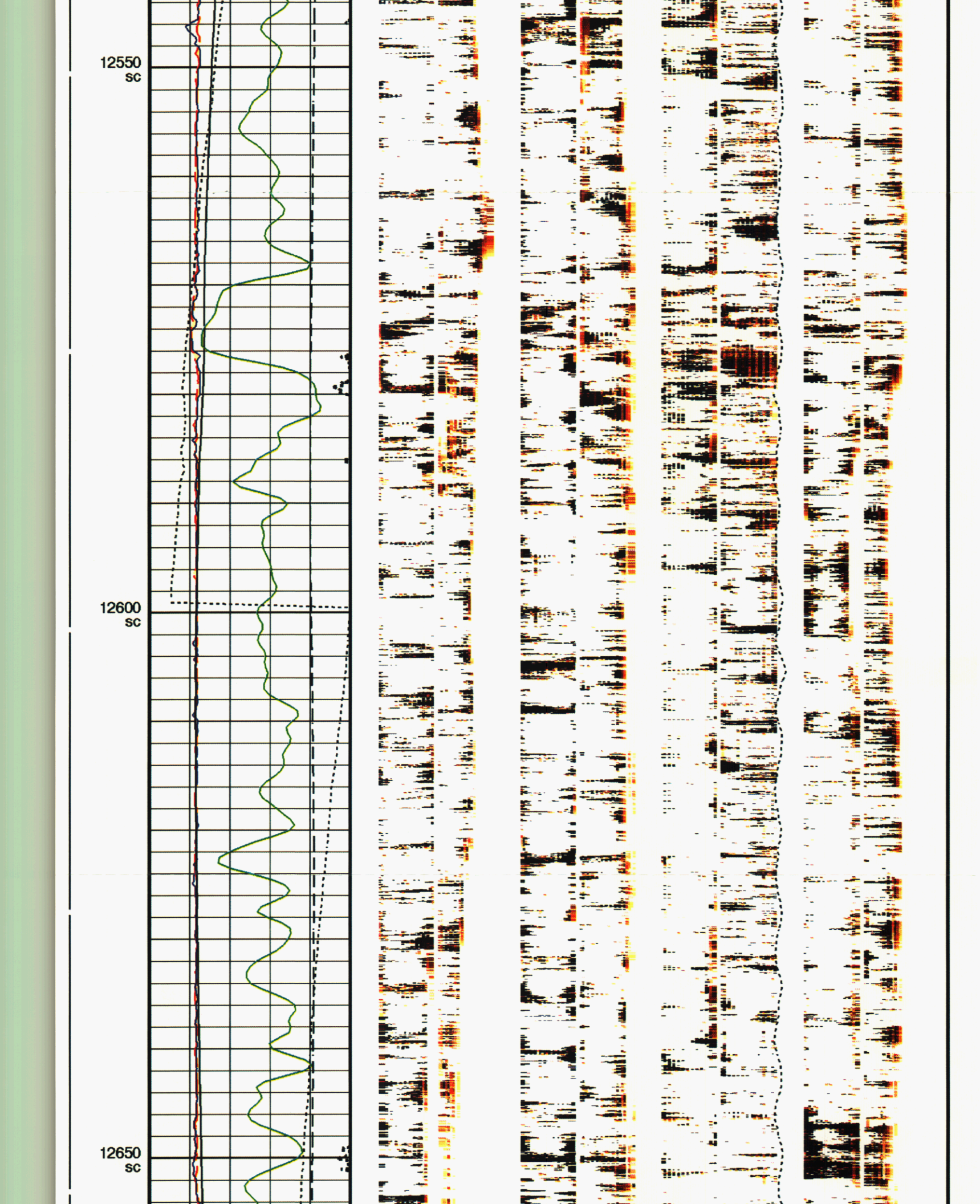
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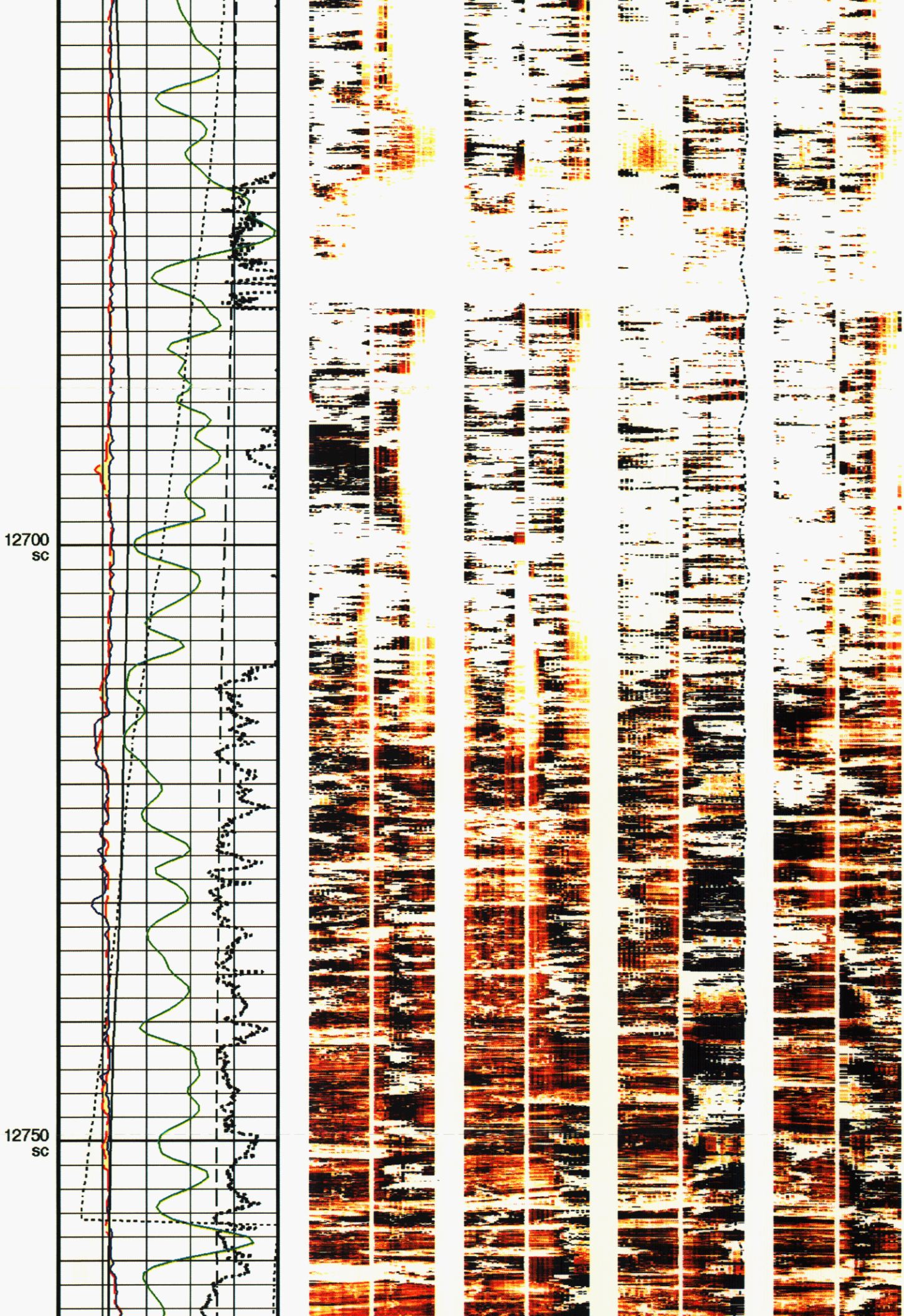
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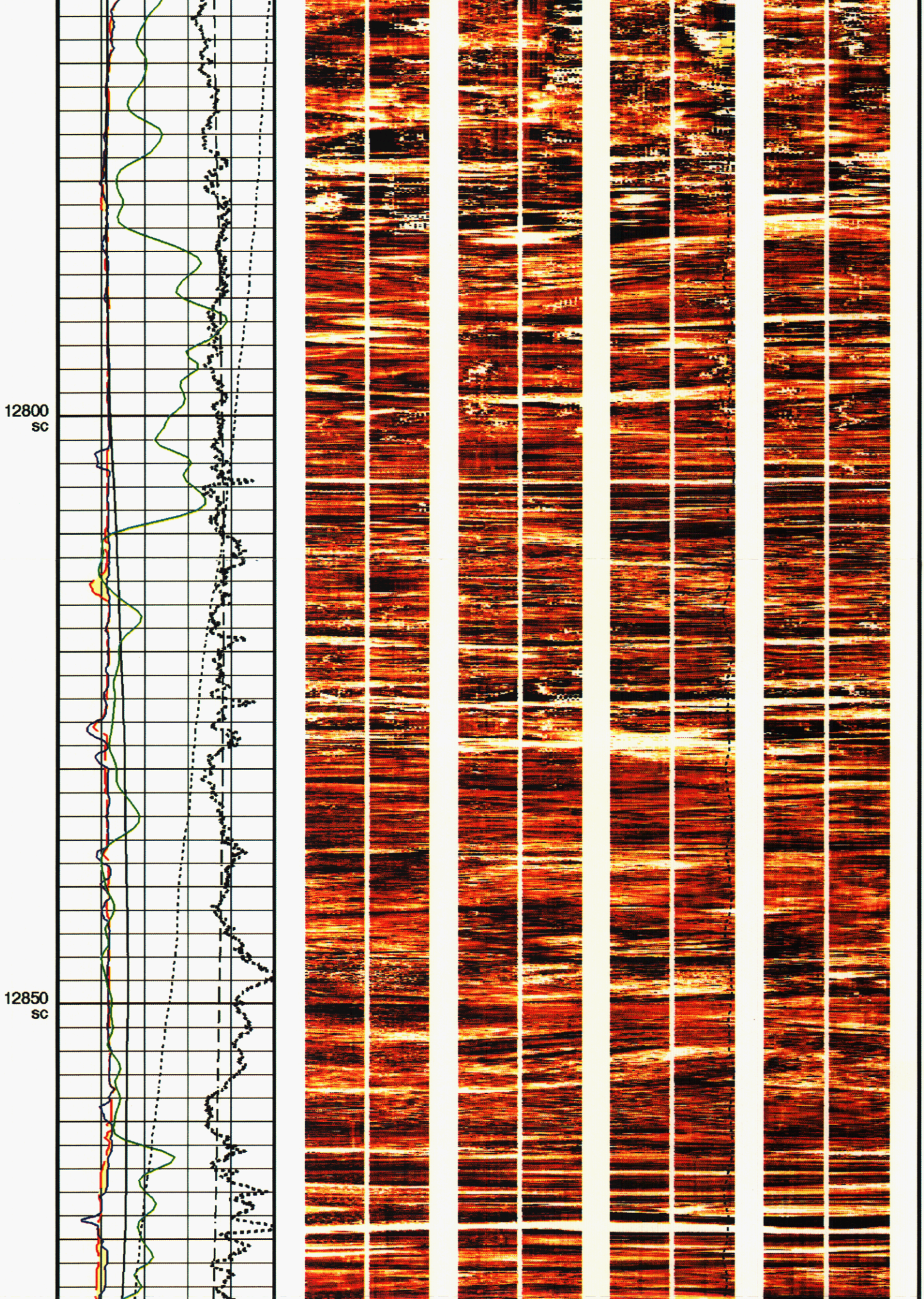
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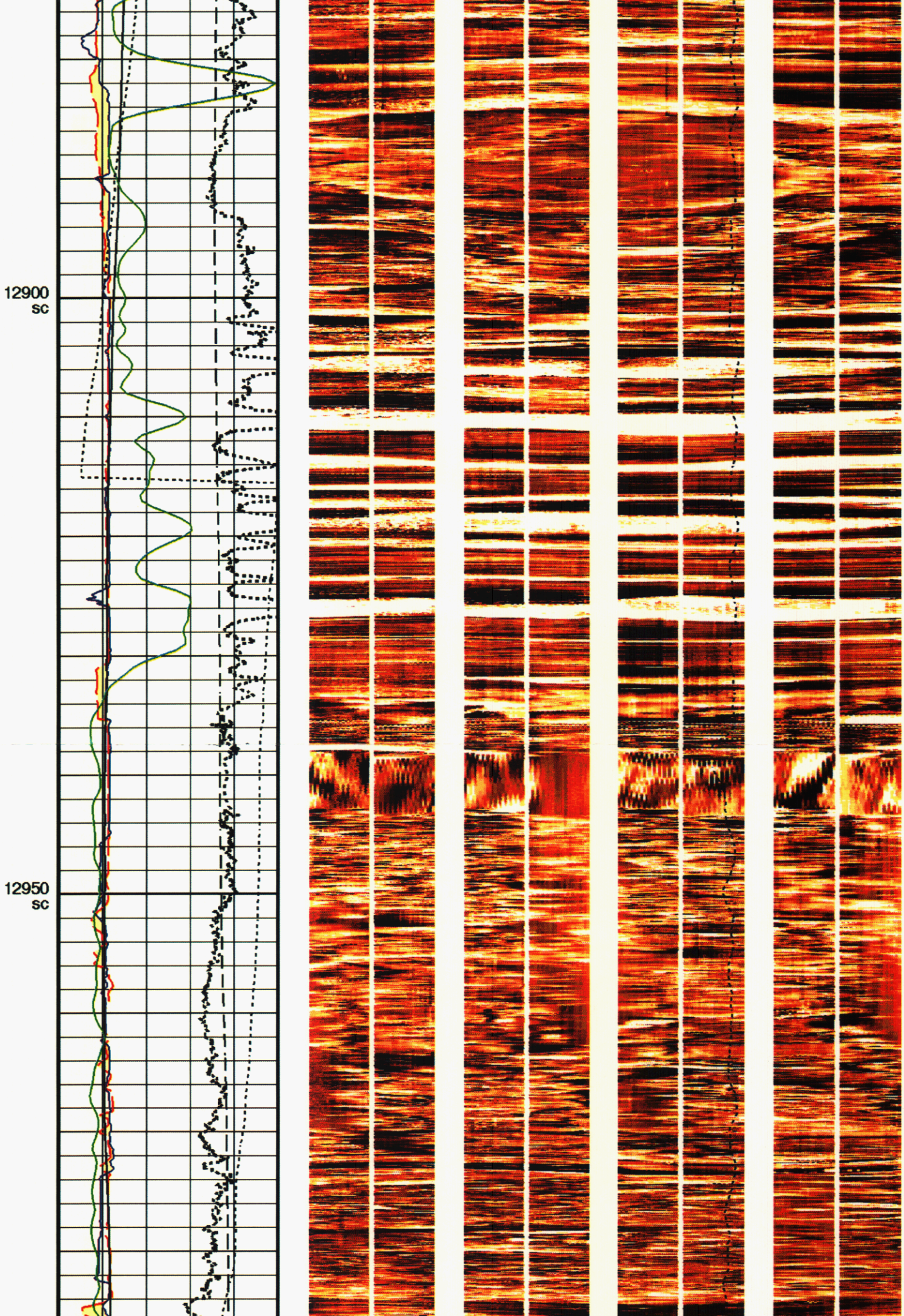
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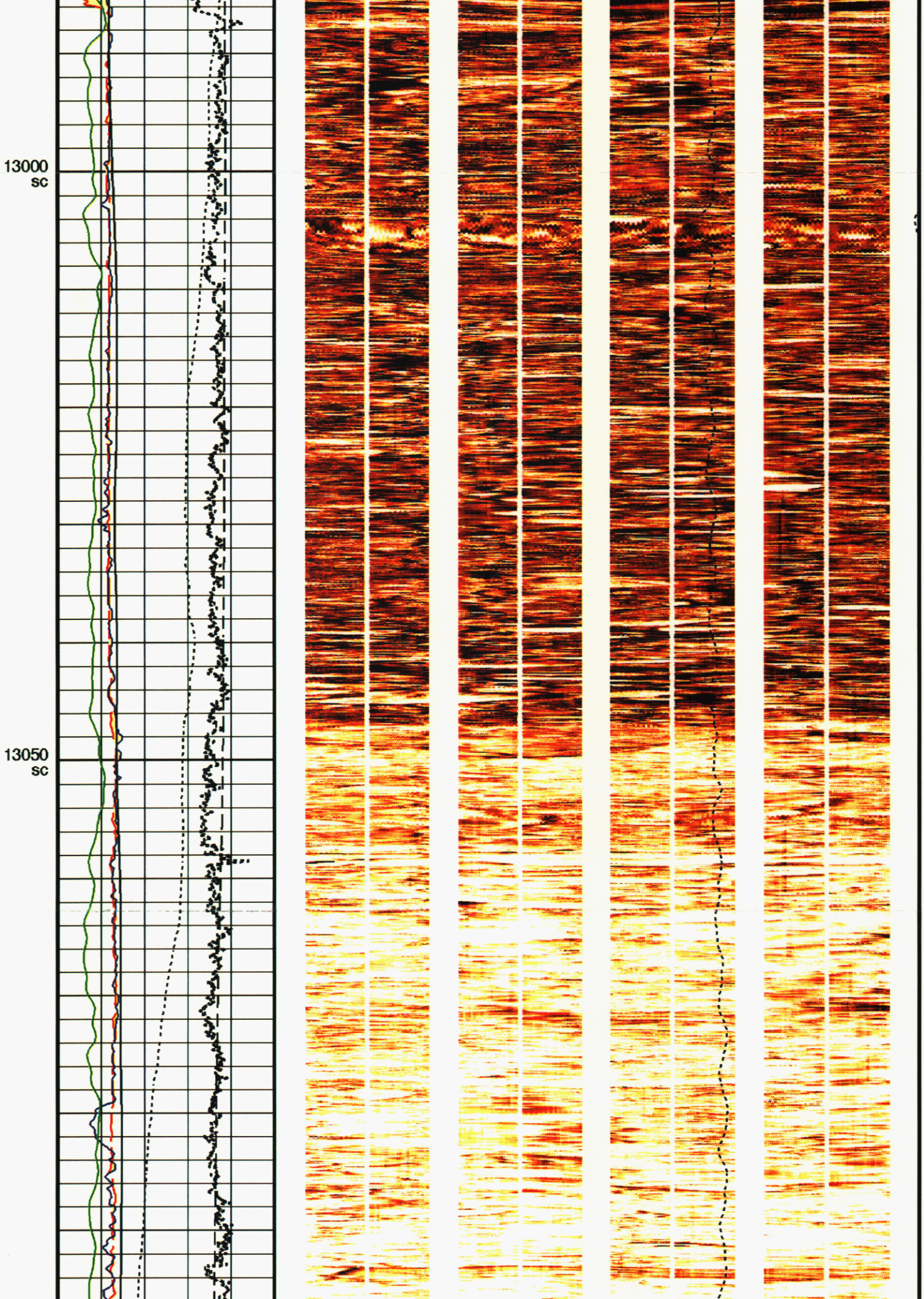
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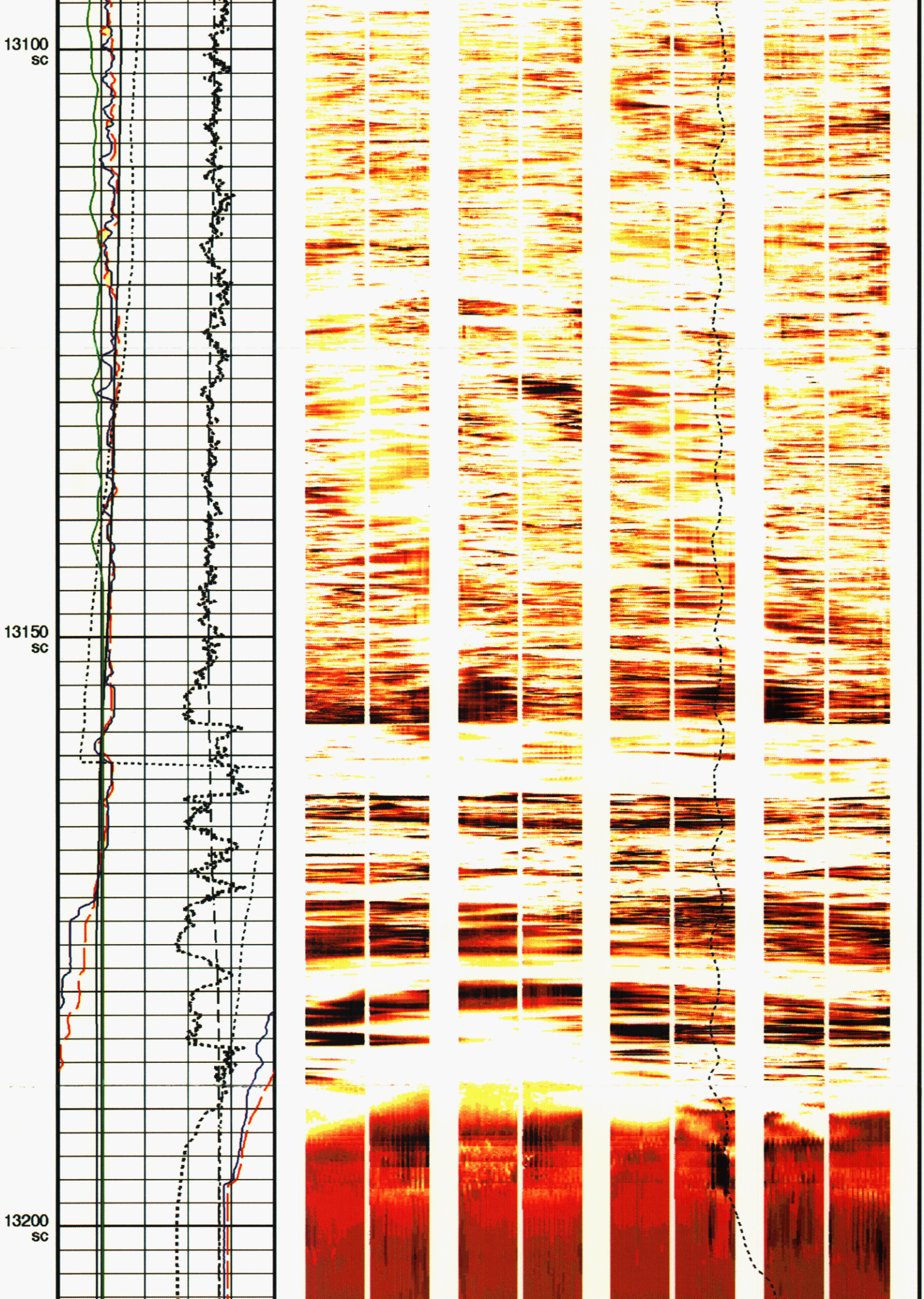
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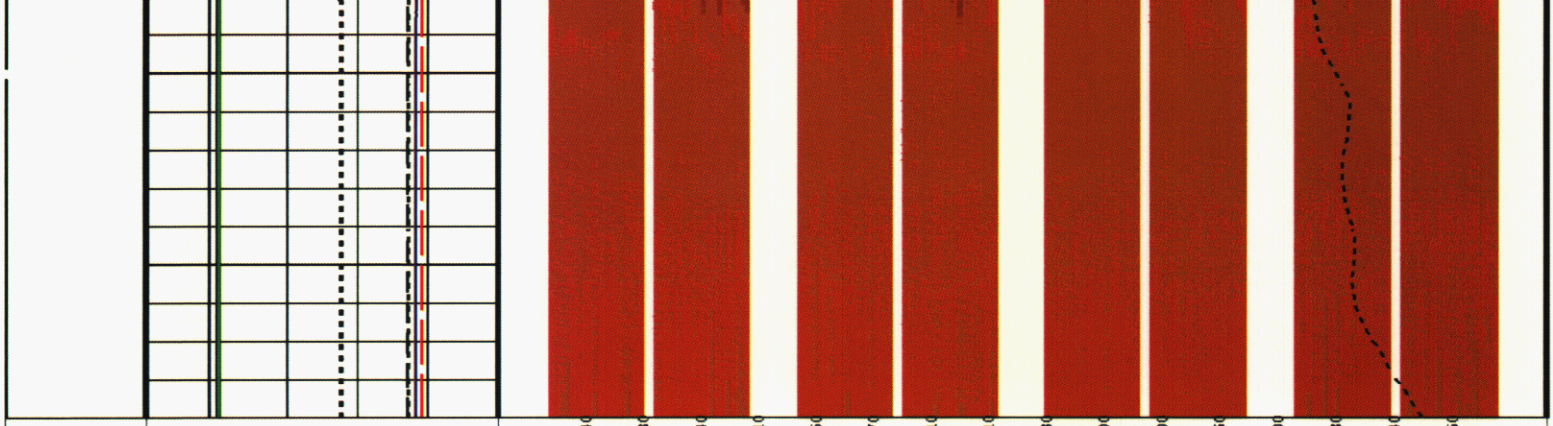

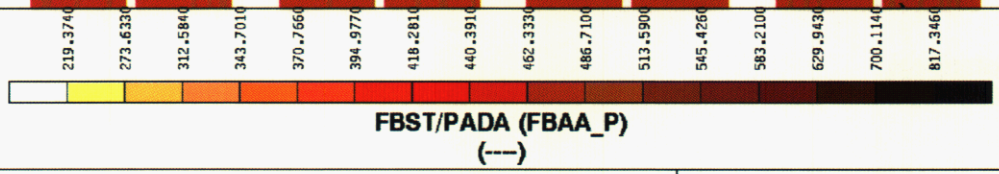

Caliper 1 (C1)		
6	(IN)	16
Caliper 2 (C2)		
6	(IN)	16
Deviation (DEVIM)		
0	(DEG)	10
Gamma Ray (GR_EDTC)		
0	(GAPI)	150
Hole Azimuth (HAZIM)		
-40	(DEG)	360
Pad One Azimuth (P1AZ_FBST)		
-40	(DEG)	360
FMI Correlation Resistance (LOG) (FBCR)		
2	(KOHM)	2000
Tension (TENS)		
10000	(LBF)	0

PIP SUMMARY

Time Mark Every 60 S

FMI Image Equalised , Patched.

Resistive (White) to Conductive (Black)

Format: FMI IMAGE S10 Vertical Scale: 10" per 100' Graphics File Created: 29-Apr-2011 22:57

OP System Version: 19C0-187

FBST-B	19C0-187	PPC2	19C0-187
MAXS-B	19C0-187	MAPC-B	19C0-187
PPC1	19C0-187	EDTC-B	19C0-187

Parameters

DLIS Name	Description	Value	
FBST-B: Full-Bore Scanner - B			
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE	
EGCO	FMI EMEX and GAIN Correction	NO	
FDBD	FMI Dead Buttons detection	AUTO	
FDBP	FMI Dead Buttons Patching	ON	
FIEQ	FMI Image Equalisation	ON	
FLM	FMI Logging Mode	8PAD	
FPSA	FMI Peak Signal Amplitude for Required Servo Level	ON	
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION	
MDEC	Magnetic Field Declination	12.566	DEG
SOFF	Standoff	0	IN
XGAI_FBST	Gain Value in Manual Mode	0_dB	
XGMO	EMEX & Gain Modes	EmexManu_GainManu	

XVOL	EMEX Voltage	0	V
System and Miscellaneous			
ALTDPCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
DO	Depth Offset for Playback	0.0	FT
PBVSADP	Use alternate depth channel for playback	YES	
PP	Playback Processing	RECOMPUTE	

Speed Corrected Depth Log

Indexed to Speed Corrected Depth in this Playback

Input DLIS Files

DEFAULT	FMI_CAL_MAXS_MAPC_135PUP	FN:189	PRODUCER	29-Apr-2011 22:47	13227.5 FT	9708.5 FT

Output DLIS Files

DEFAULT	FMI_CAL_MAXS_MAPC_138PUP	FN:192	PRODUCER	29-Apr-2011 22:57

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REPEAT SECTION

MAXIS Field Log

Company: OXY US LA Basin

Well: DOM-002

Input DLIS Files

DEFAULT	FMI_CAL_MAXS_MAPC_057PUP	FN:69	PRODUCER	28-Apr-2011 05:31	13047.0 FT	12114.0 FT

Output DLIS Files

DEFAULT	FMI_CAL_MAXS_MAPC_143PUP	FN:200	PRODUCER	29-Apr-2011 23:23	13047.0 FT	12114.0 FT
CUSTOMER	FMI_CAL_MAXS_MAPC_143PUC	FN:201	CUSTOMER	29-Apr-2011 23:23	13047.0 FT	12114.0 FT

OP System Version: 19C0-187

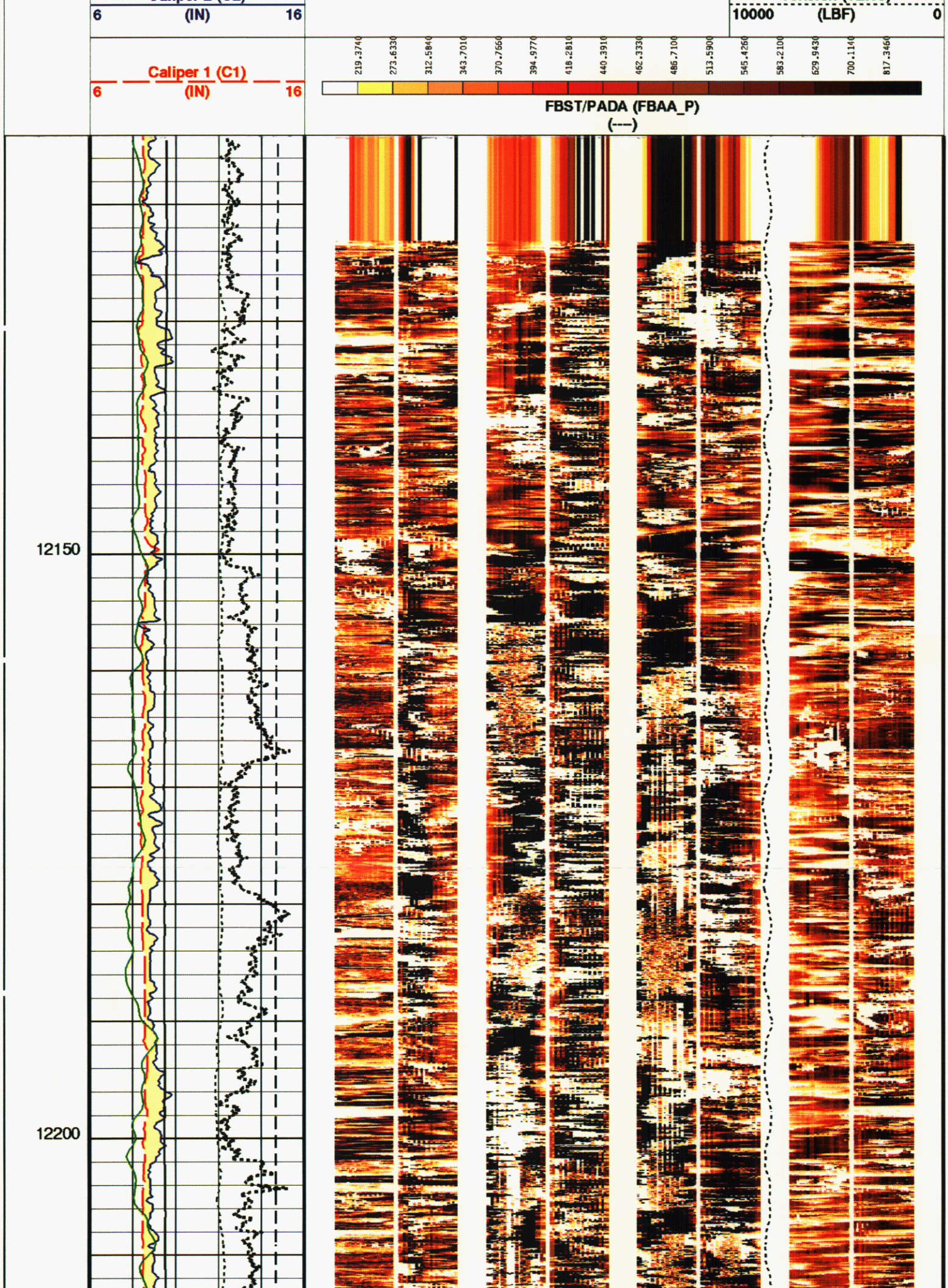
FBST-B	19C0-187	PPC2	19C0-187
MAXS-B	19C0-187	MAPC-B	19C0-187
PPC1	19C0-187	EDTC-B	19C0-187

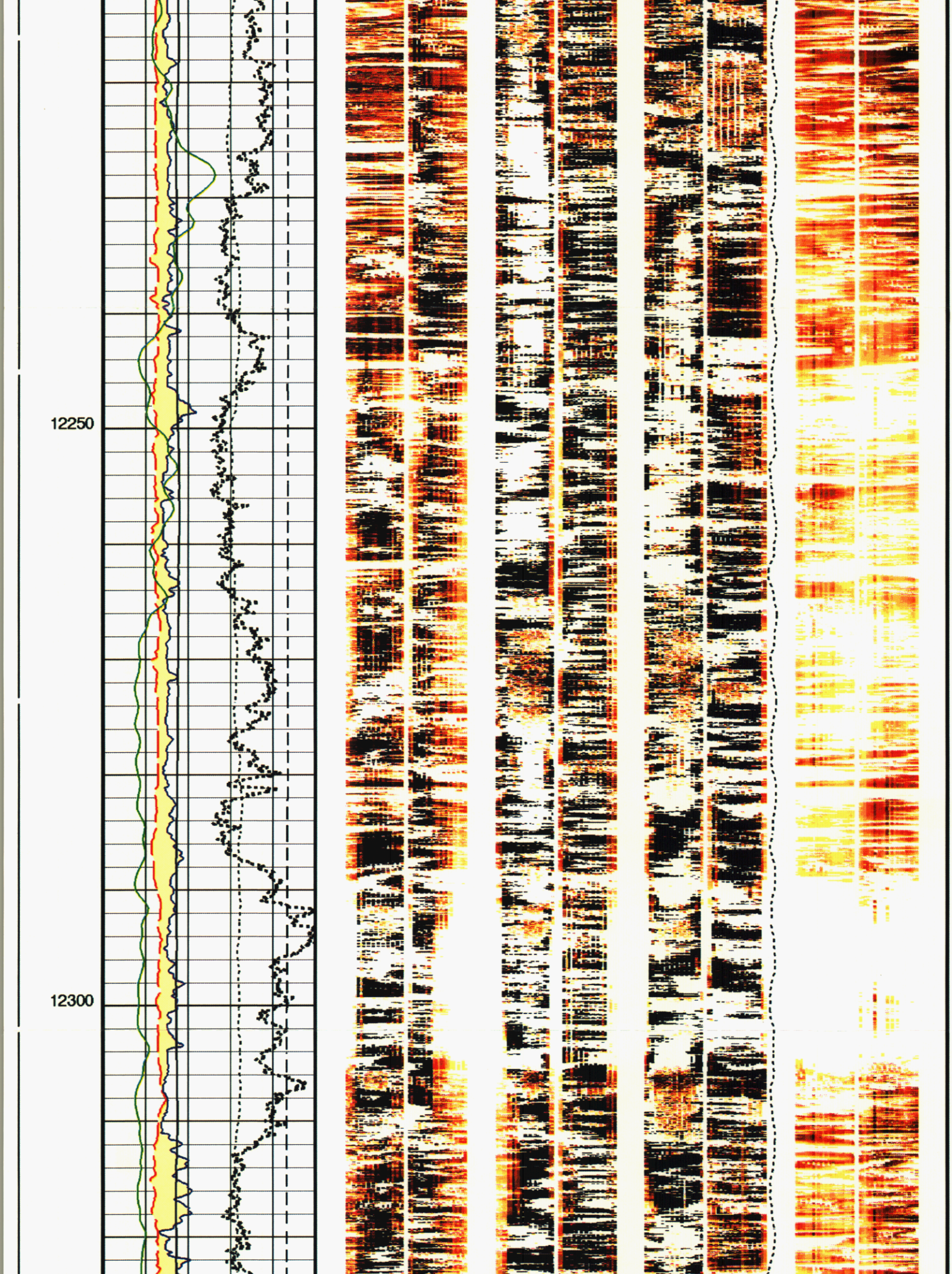
PIP SUMMARY

Time Mark Every 60 S

FMI Correlation Resistance (LOG) (FBCR)		
2	(KOHM)	2000
Pad One Azimuth (P1AZ_FBST)		
-40	(DEG)	360
Hole Azimuth (HAZIM)		
-40	(DEG)	360
Gamma Ray (GR_EDTC)		
0	(GAPI)	150
Deviation (DEVIM)		
0	(DEG)	10
Caliper 2 (C2)		

Tension (TENS)


6 (IN) 16
10000 (LBF) 0
Caliper 1 (C1)
6 (IN) 16
219.3740
273.6330
312.5840
343.7010
370.7660
394.9770
418.2810
440.3910
462.3330
486.7100
513.5900
545.4260
583.2100
629.9430
700.1140
817.3460
FBST/PADA (FBAA_P)
(---)
12150
12200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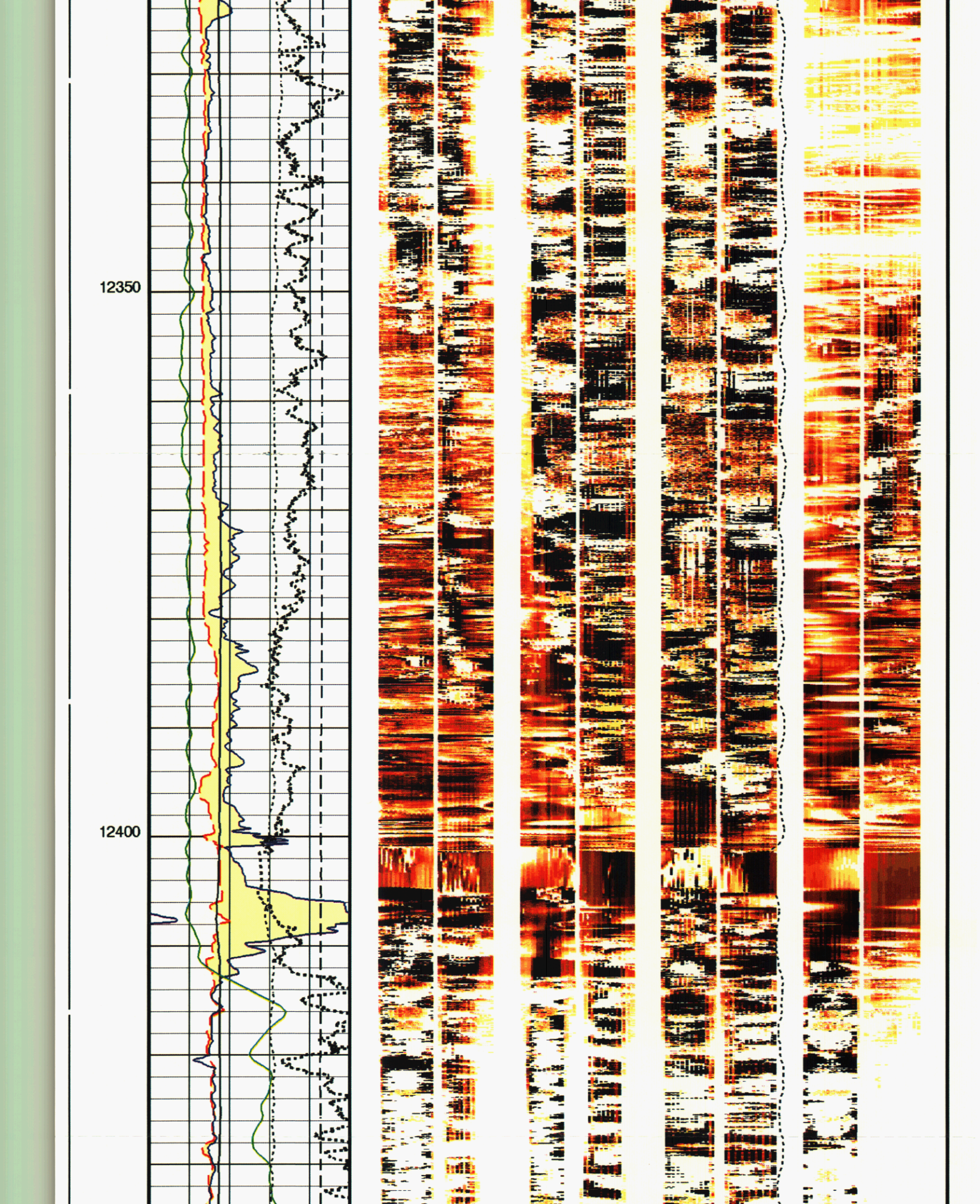
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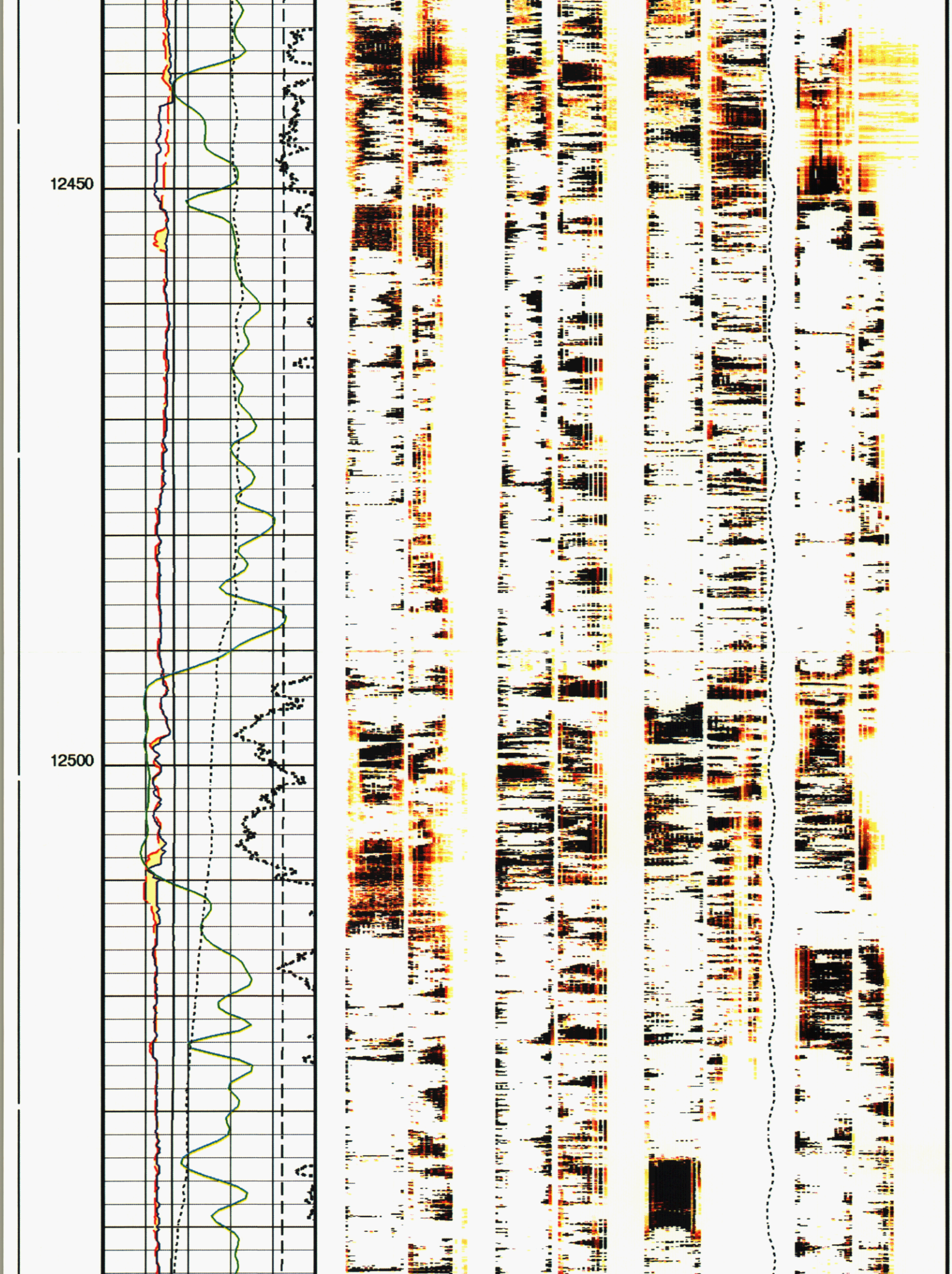
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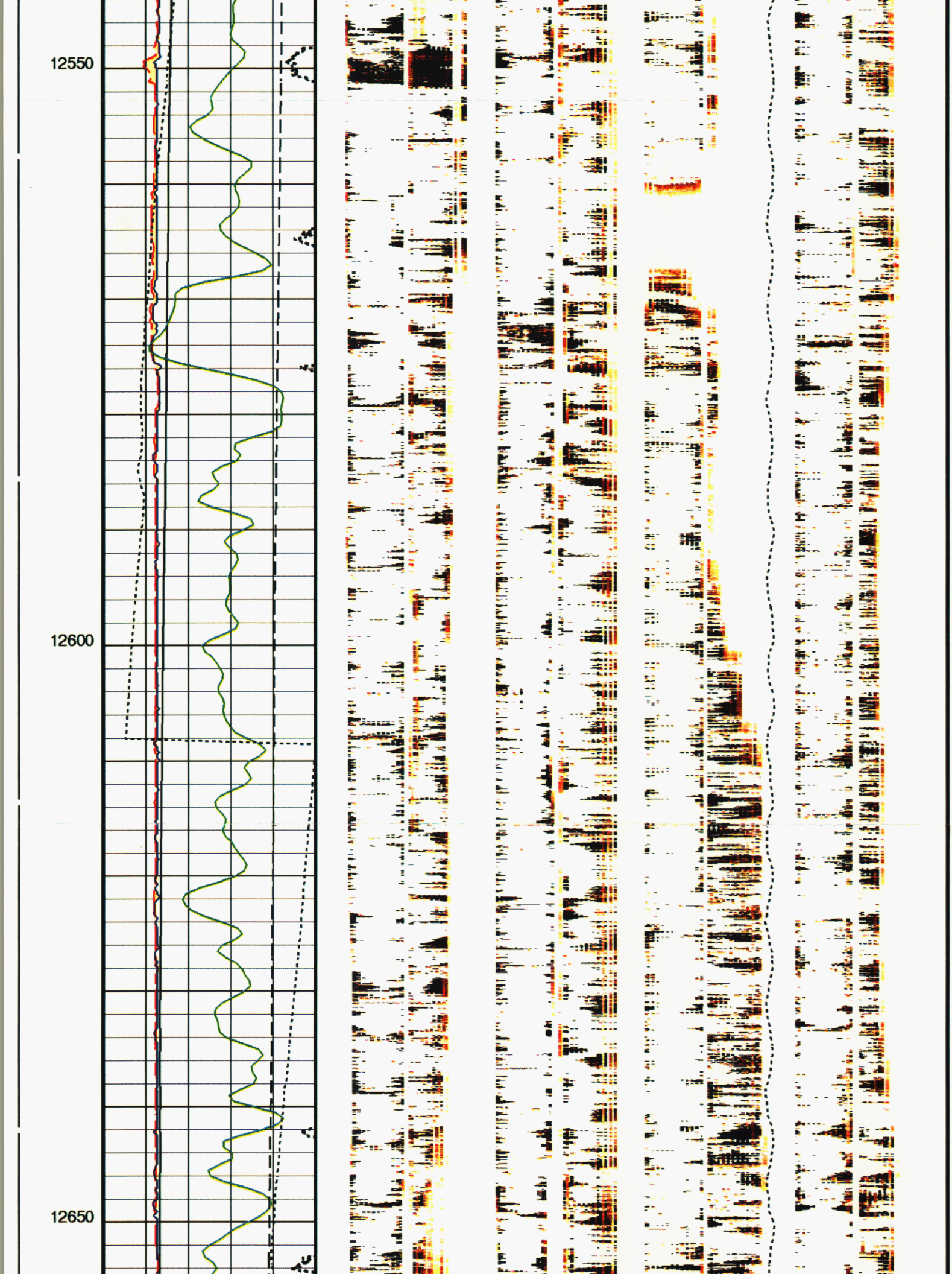
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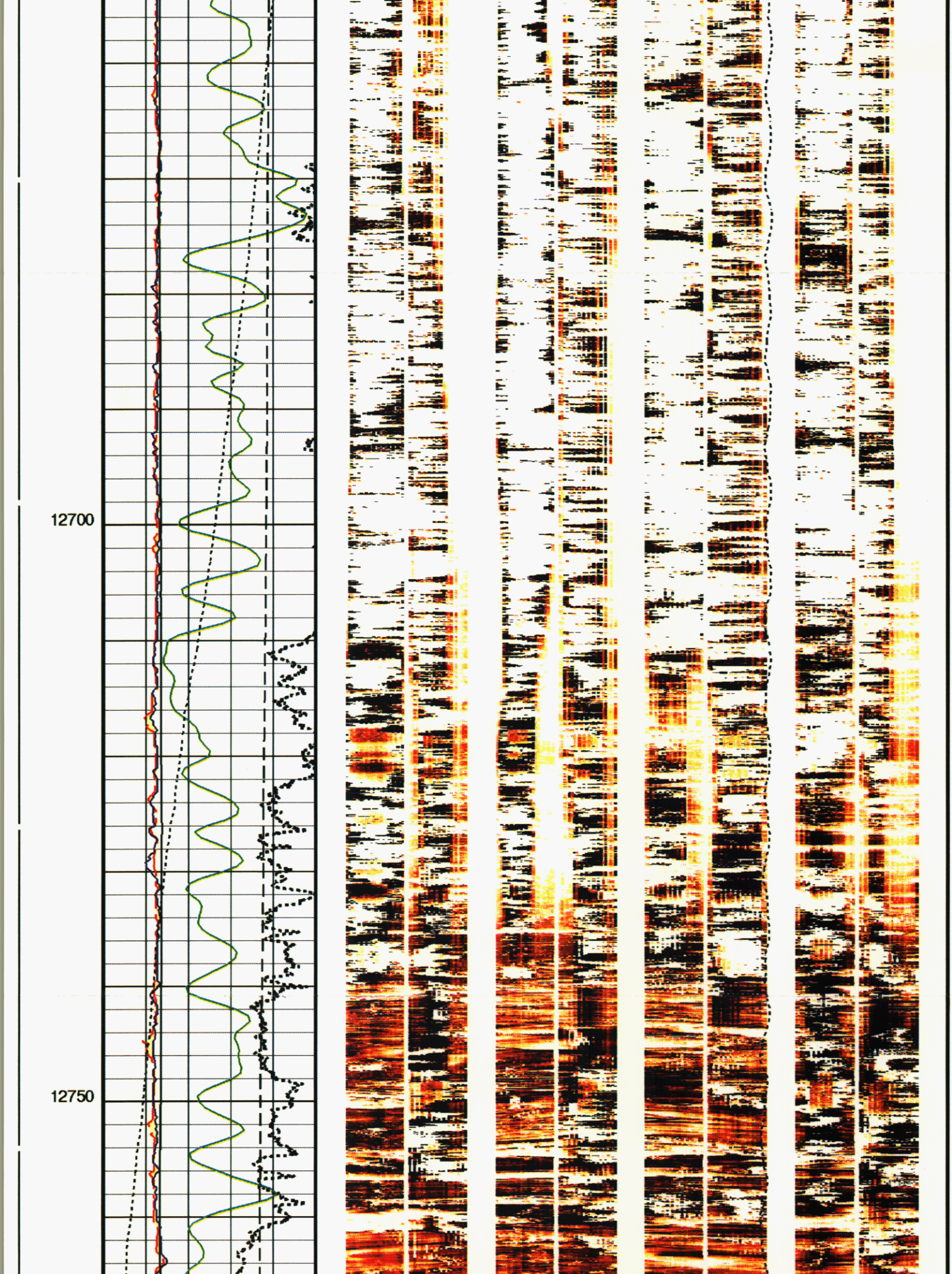
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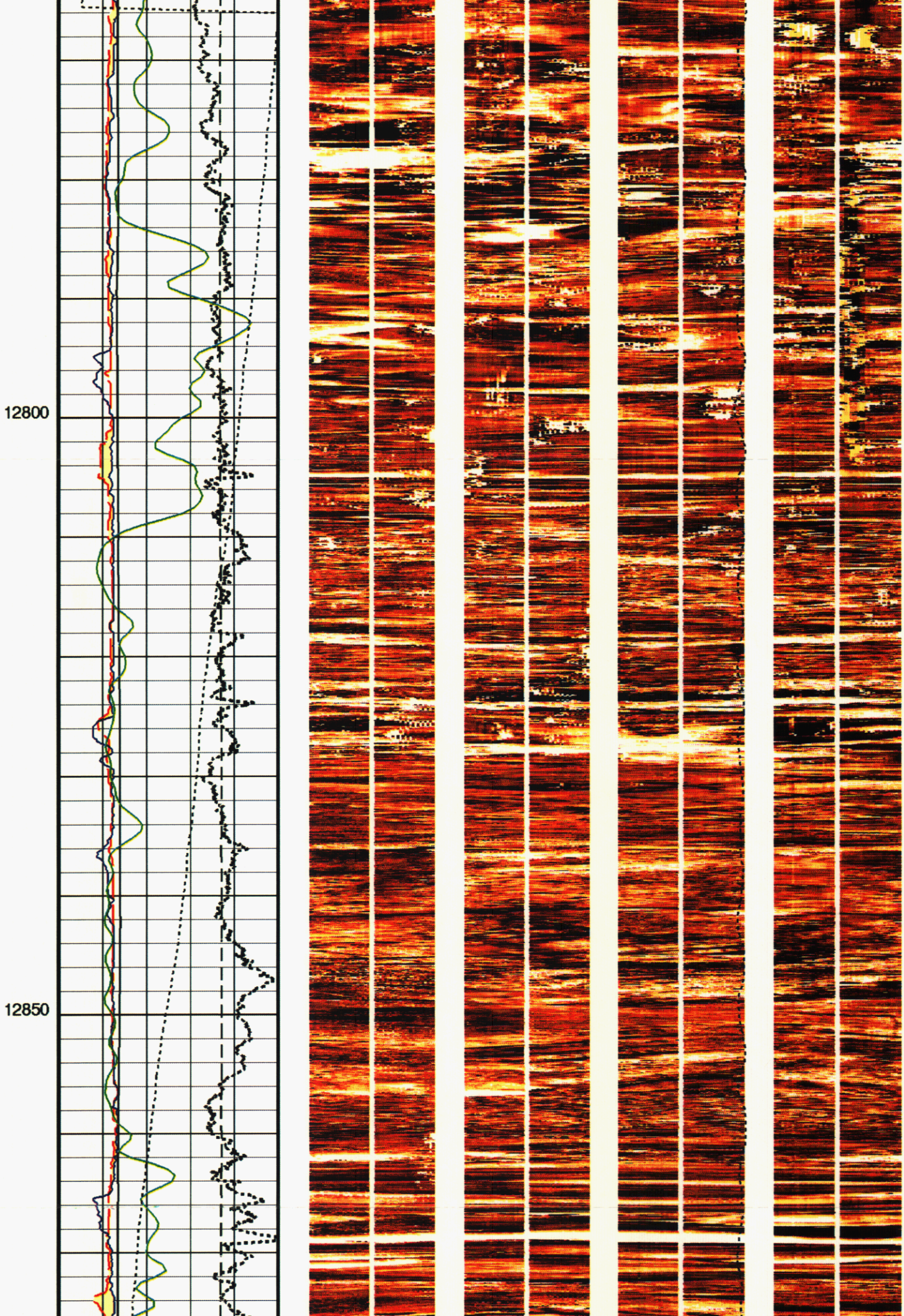
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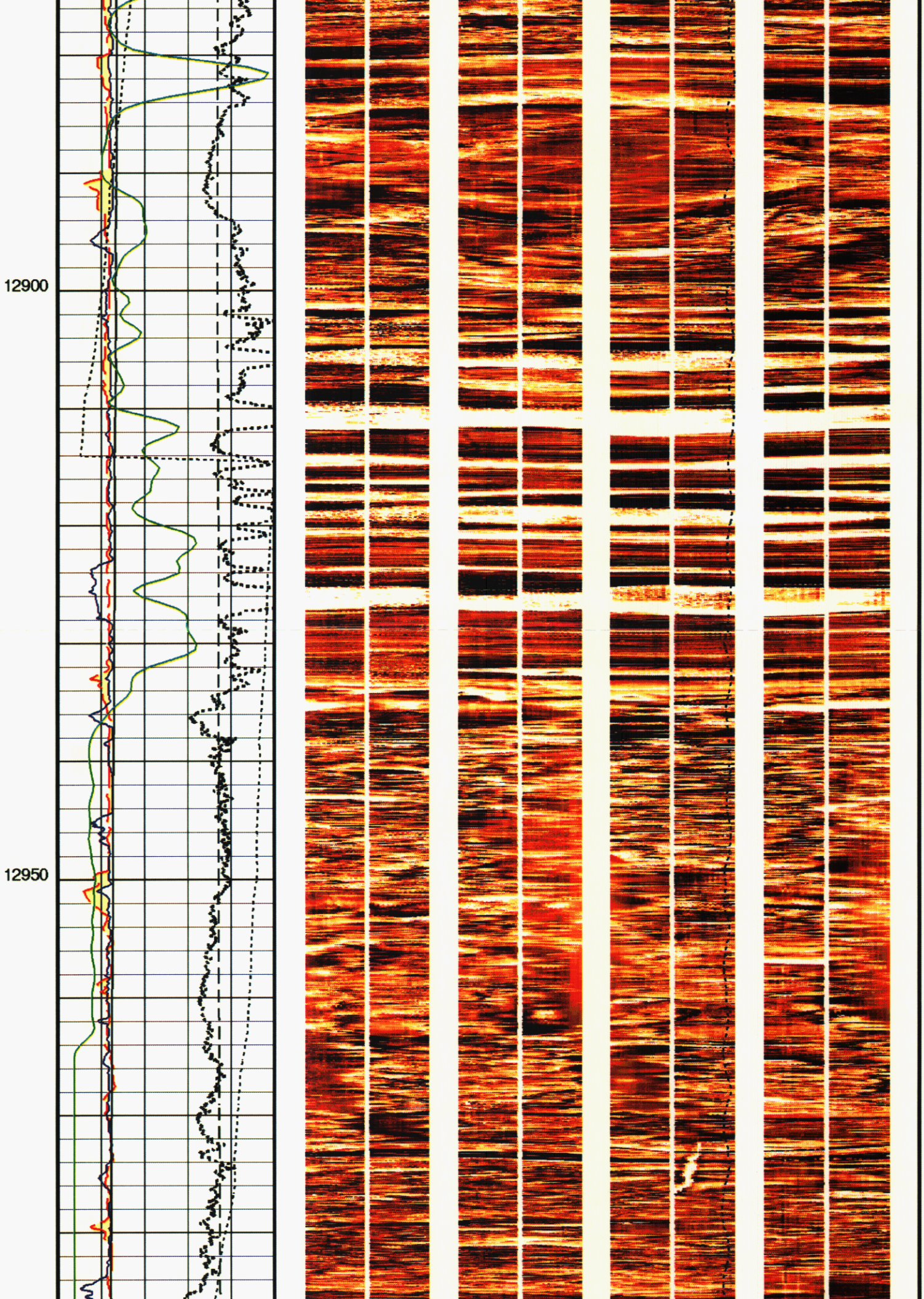
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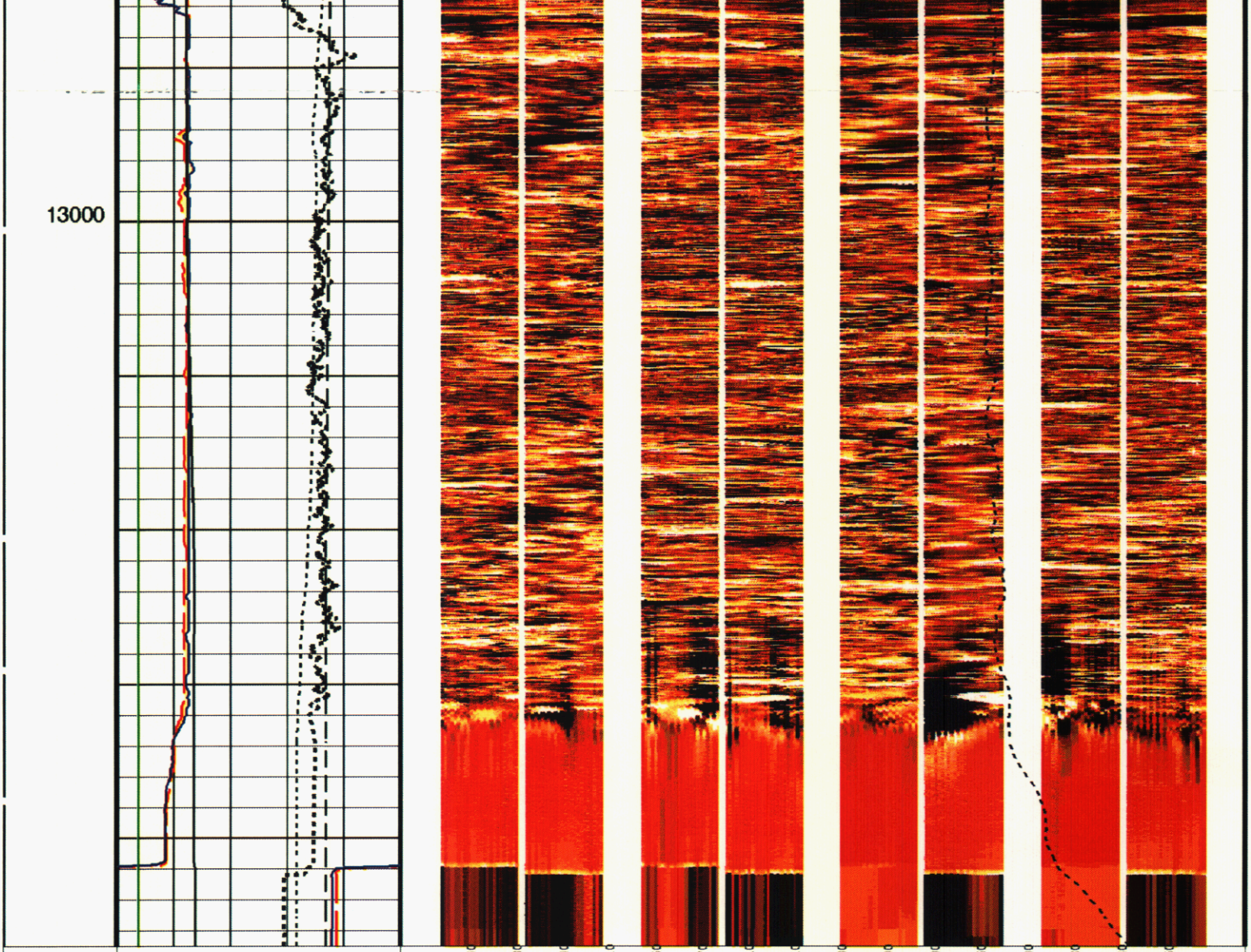

Caliper 1 (C1)	6 (IN) 16
Caliper 2 (C2)	6 (IN) 16
Deviation (DEVIM)	0 (DEG) 10
Gamma Ray (GR_EDTC)	0 (GAPI) 150
Hole Azimuth (HAZIM)	-40 (DEG) 360
Pad One Azimuth (P1AZ_FBST)	-40 (DEG) 360
FMI Correlation Resistance (LOG) (FBCR)	2 (KOHM) 2000
Tension (TENS)	10000 (LBF) 0

PIP SUMMARY

Time Mark Every 60 S

FMI Image Equalised .

Resistive (White) to Conductive (Black)

Resistive (White) to Conductive (Black)

Format: FMI IMAGE S10 Vertical Scale: 10" per 100' Graphics File Created: 29-Apr-2011 23:23

OP System Version: 19C0-187

FBST-B	19C0-187	PPC2	19C0-187
MAXS-B	19C0-187	MAPC-B	19C0-187
PPC1	19C0-187	EDTC-B	19C0-187

Parameters

DLIS Name	Description	Value	
FBST-B: Full-Bore Scanner - B			
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE	
EGCO	FMI EMEX and GAIN Correction	NO	
FDBD	FMI Dead Buttons detection	AUTO	
FDBP	FMI Dead Buttons Patching	OFF	
FIEQ	FMI Image Equalisation	ON	
FLM	FMI Logging Mode	8PAD	
FPSA	FMI Peak Signal Amplitude for Required Servo Level	ON	
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION	
MDEC	Magnetic Field Declination	12.566	DEG
SOFF	Standoff	0	IN
XGAI_FBST	Gain Value in Manual Mode	0_dB	
XGMO	EMEX & Gain Modes	EmexManu_GainManu	
XVOL	EMEX Voltage	0	V
System and Miscellaneous			
ALTDPCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
DO	Depth Offset for Playback	0.0	FT
PBVSADP	Use alternate depth channel for playback	NO	
PP	Playback Processing	RECOMPUTE	

Input DLIS Files

DEFAULT	FMI_CAL_MAXS_MAPC_057PUP	FN:69	PRODUCER	28-Apr-2011 05:31	13047.0 FT	12114.0 FT

Output DLIS Files

DEFAULT	FMI_CAL_MAXS_MAPC_143PUP	FN:200	PRODUCER	29-Apr-2011 23:23
CUSTOMER	FMI_CAL_MAXS_MAPC_143PUC	FN:201	CUSTOMER	29-Apr-2011 23:23

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CORRELATION PASS

MAXIS Field Log

Company: OXY US LA Basin Well: DOM-002

Input DLIS Files

DEFAULT	FMI_CAL_MAXS_MAPC_040LUP	FN:40	PRODUCER	28-Apr-2011 00:12	13193.0 FT	9429.5 FT

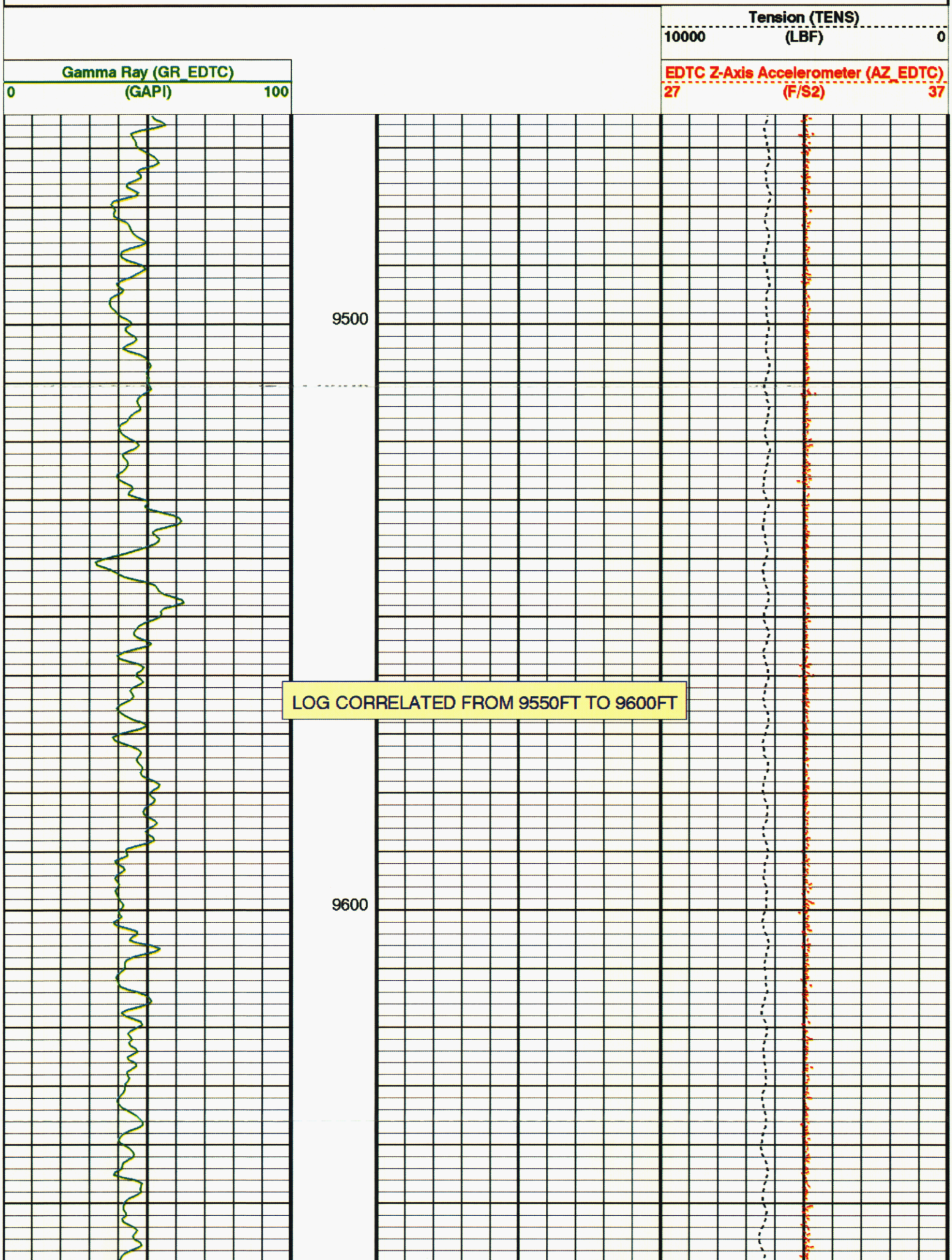
Output DLIS Files

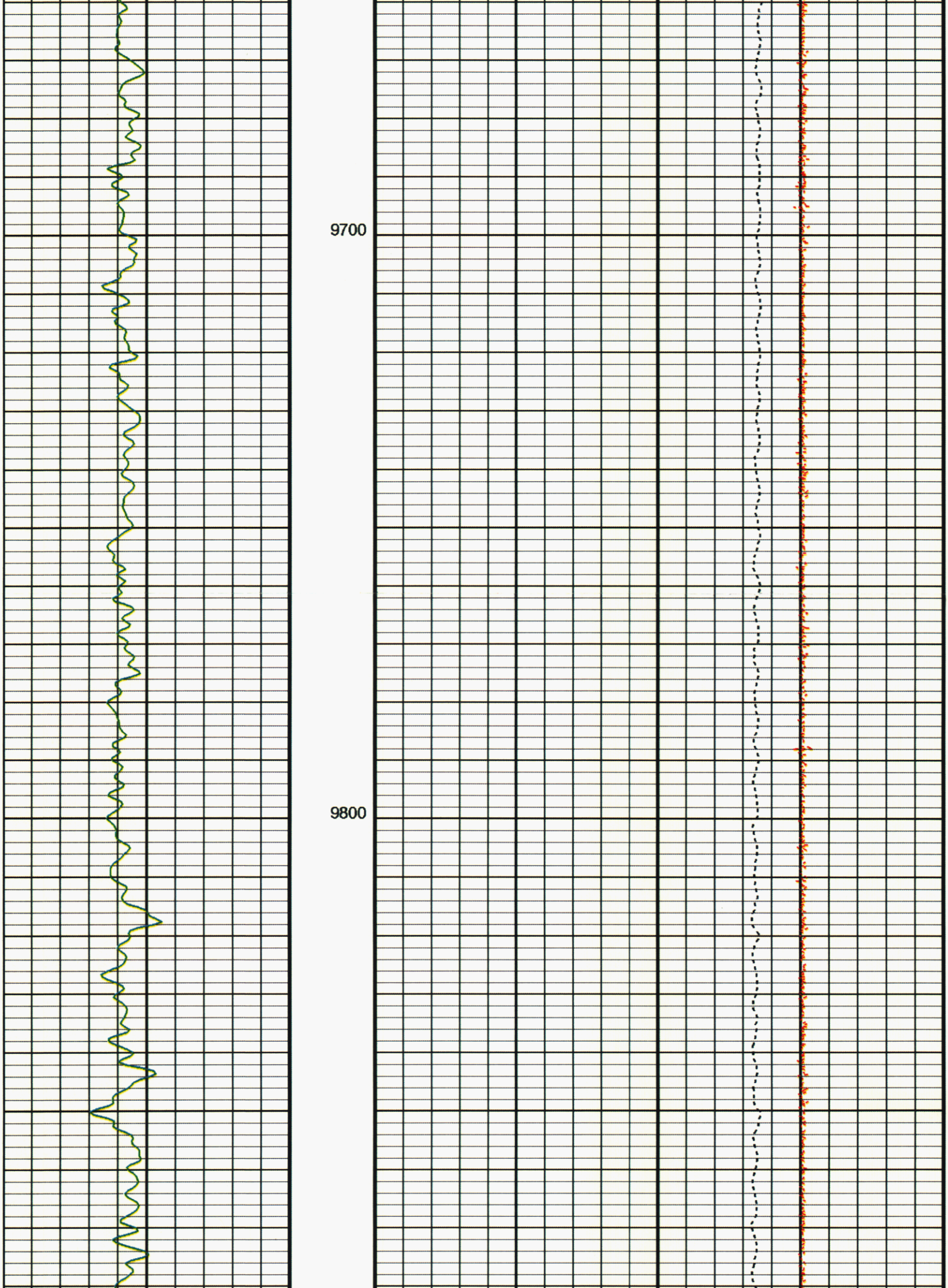
DEFAULT	FMI_CAL_MAXS_MAPC_052PUP	FN:62	PRODUCER	28-Apr-2011 04:33	13227.5 FT	9464.0 FT
RTB	FMI_CAL_MAXS_MAPC_052PUP	FN:63	PRODUCER	28-Apr-2011 03:33	13227.5 FT	9464.0 FT

OP System Version: 19C0-187

FBST-B	19C0-187	PPC2	19C0-187
MAXS-B	19C0-187	MAPC-B	19C0-187

MAXS-B	19C0-187	MAPS-B	19C0-187
PPC1	19C0-187	EDTC-B	19C0-187

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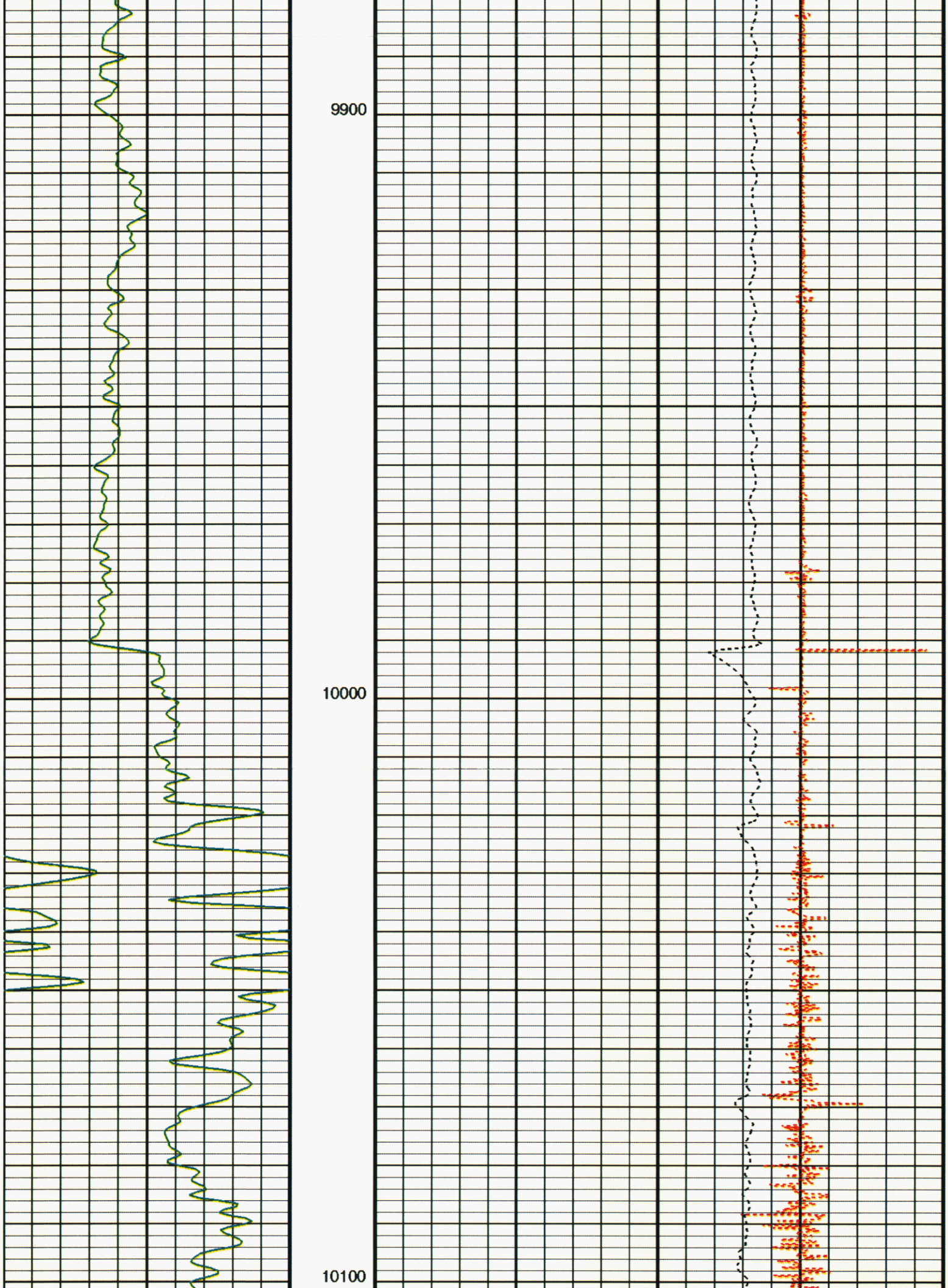
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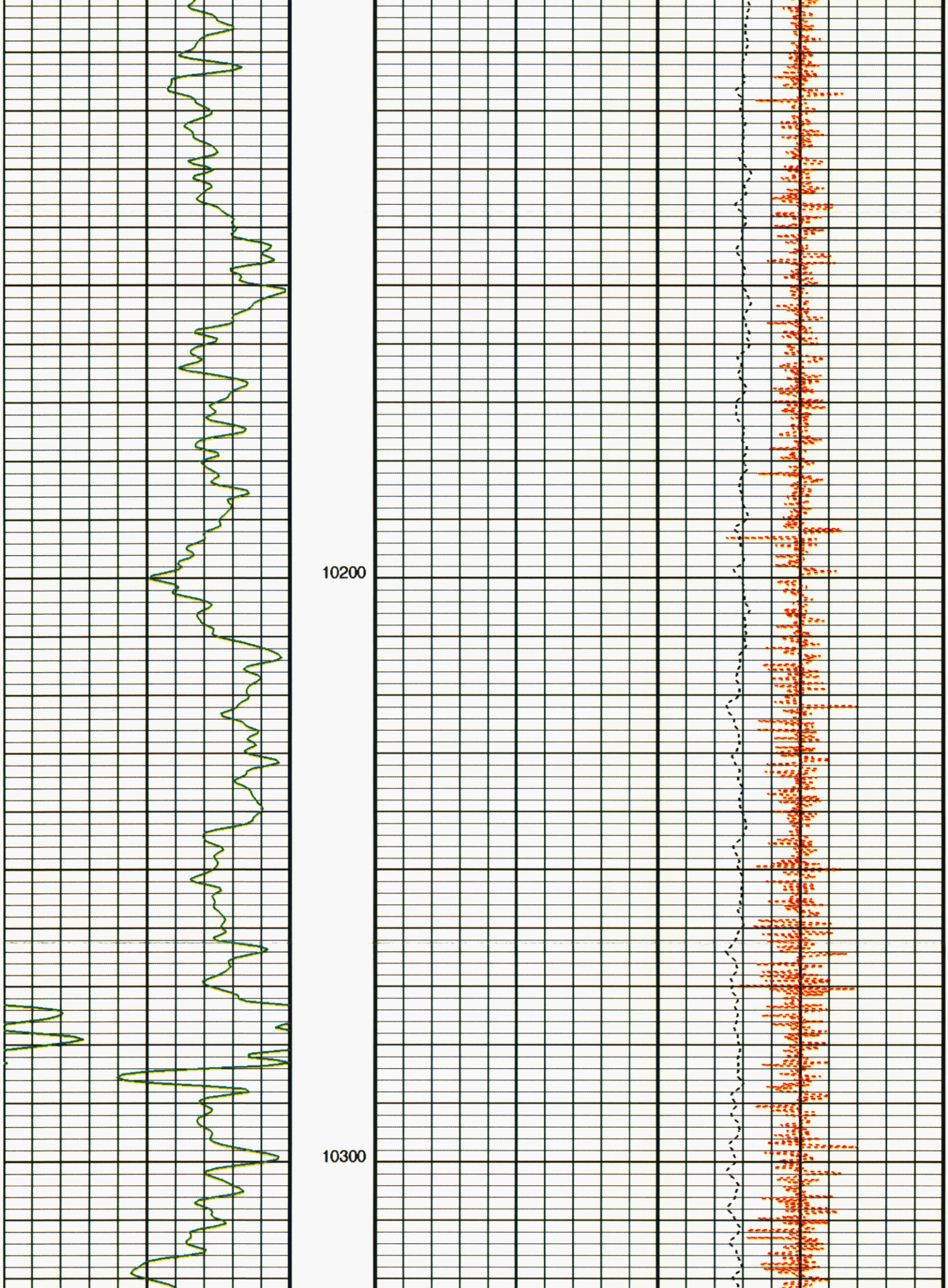
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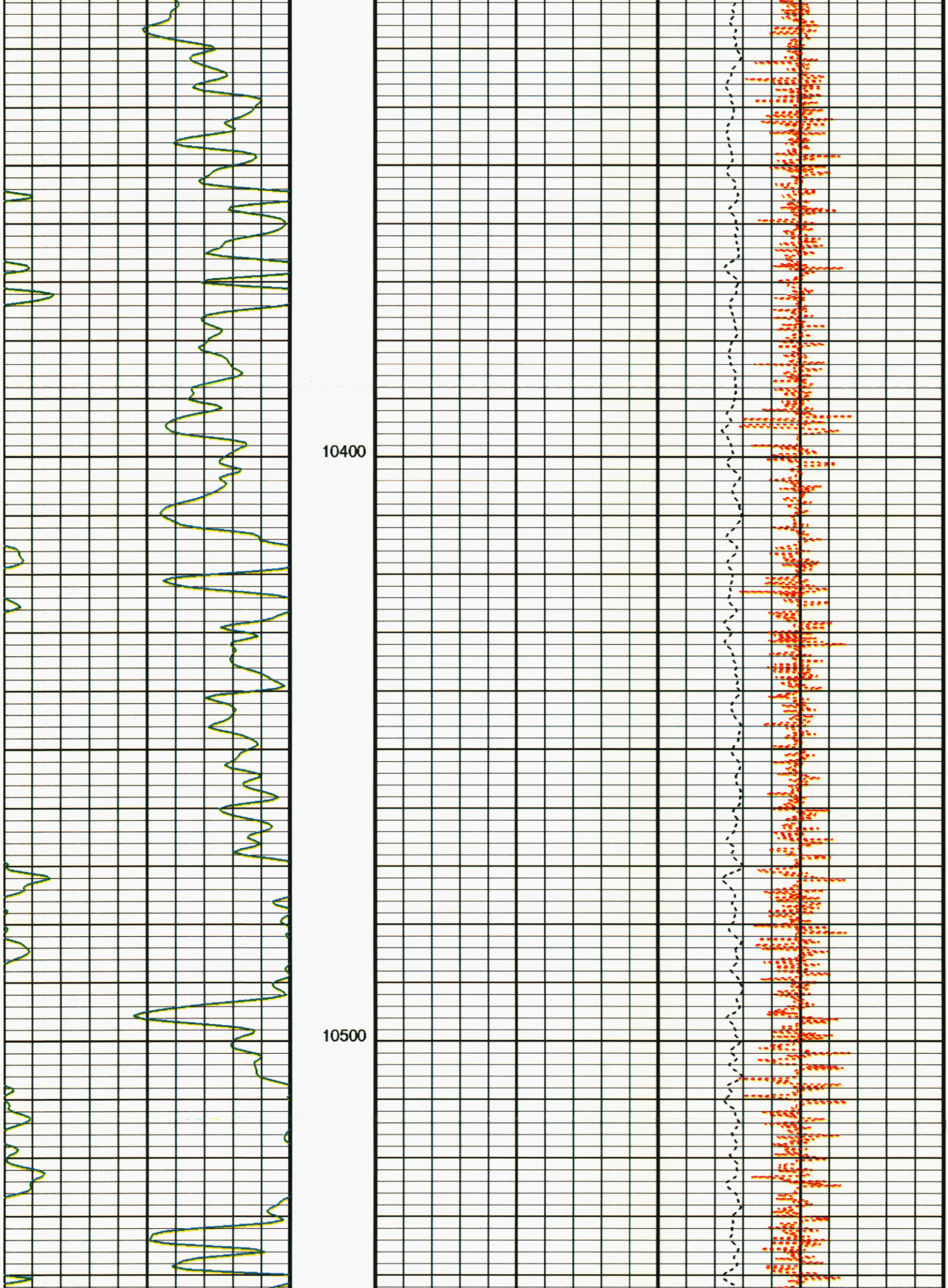
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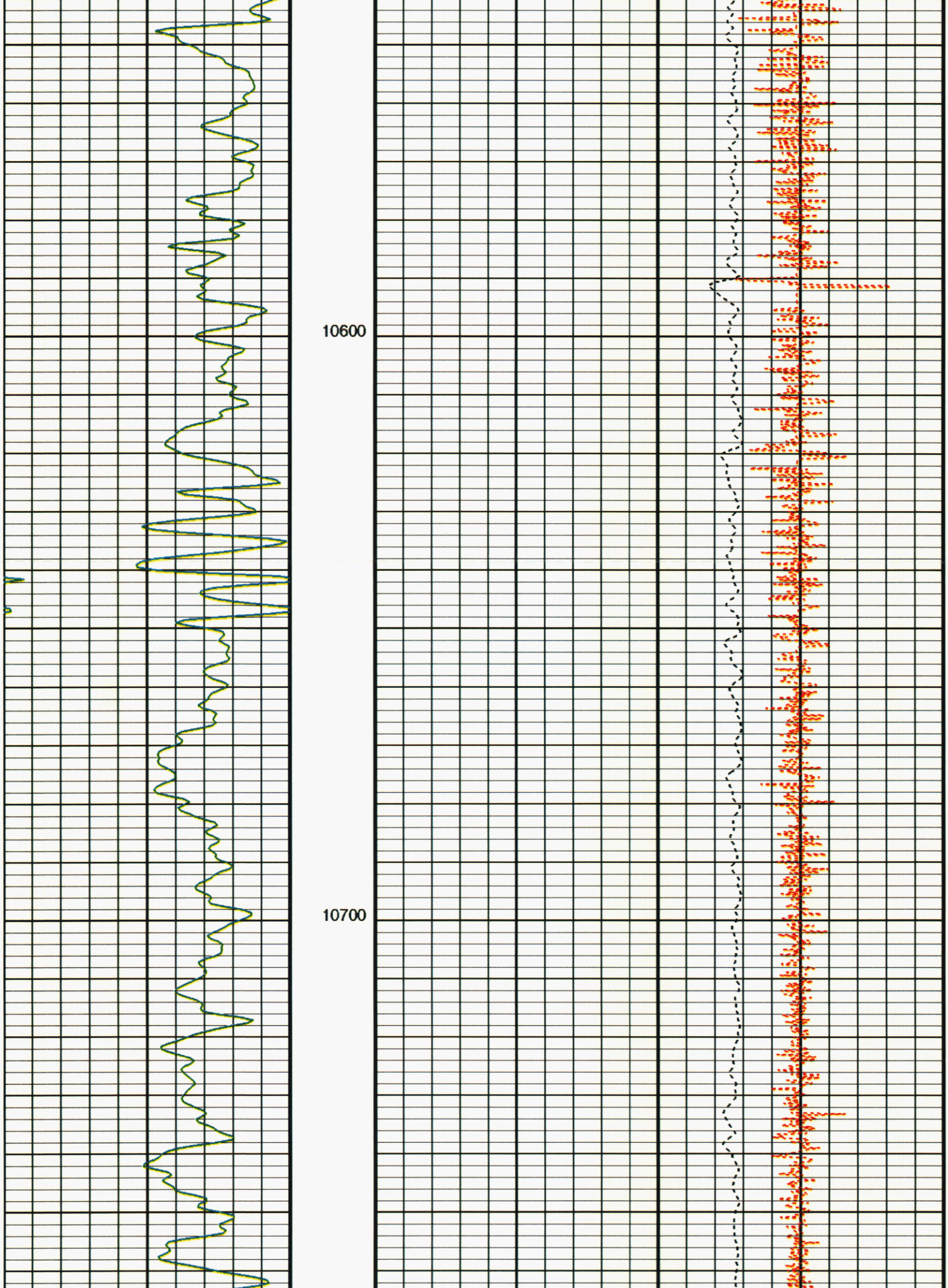
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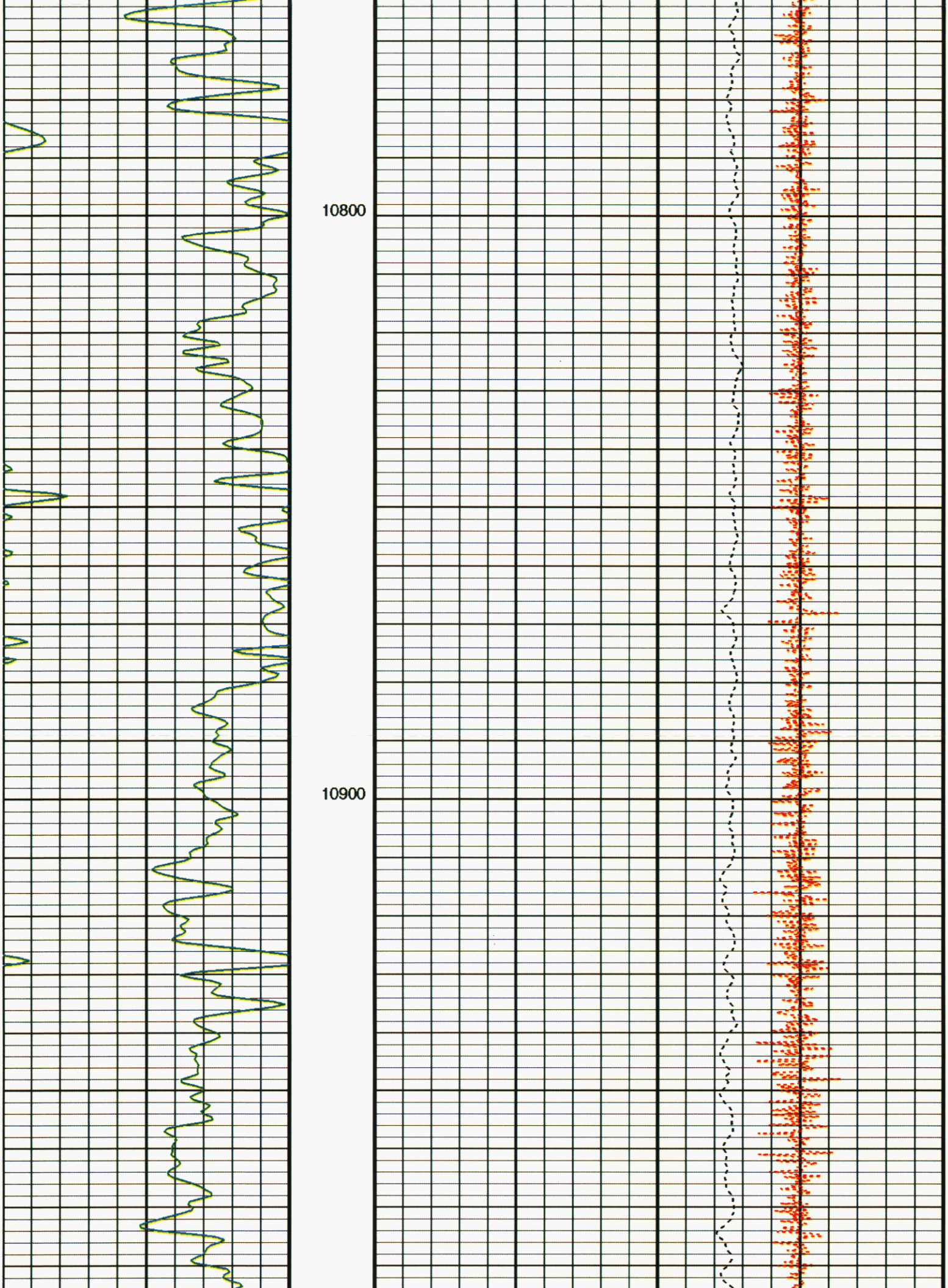
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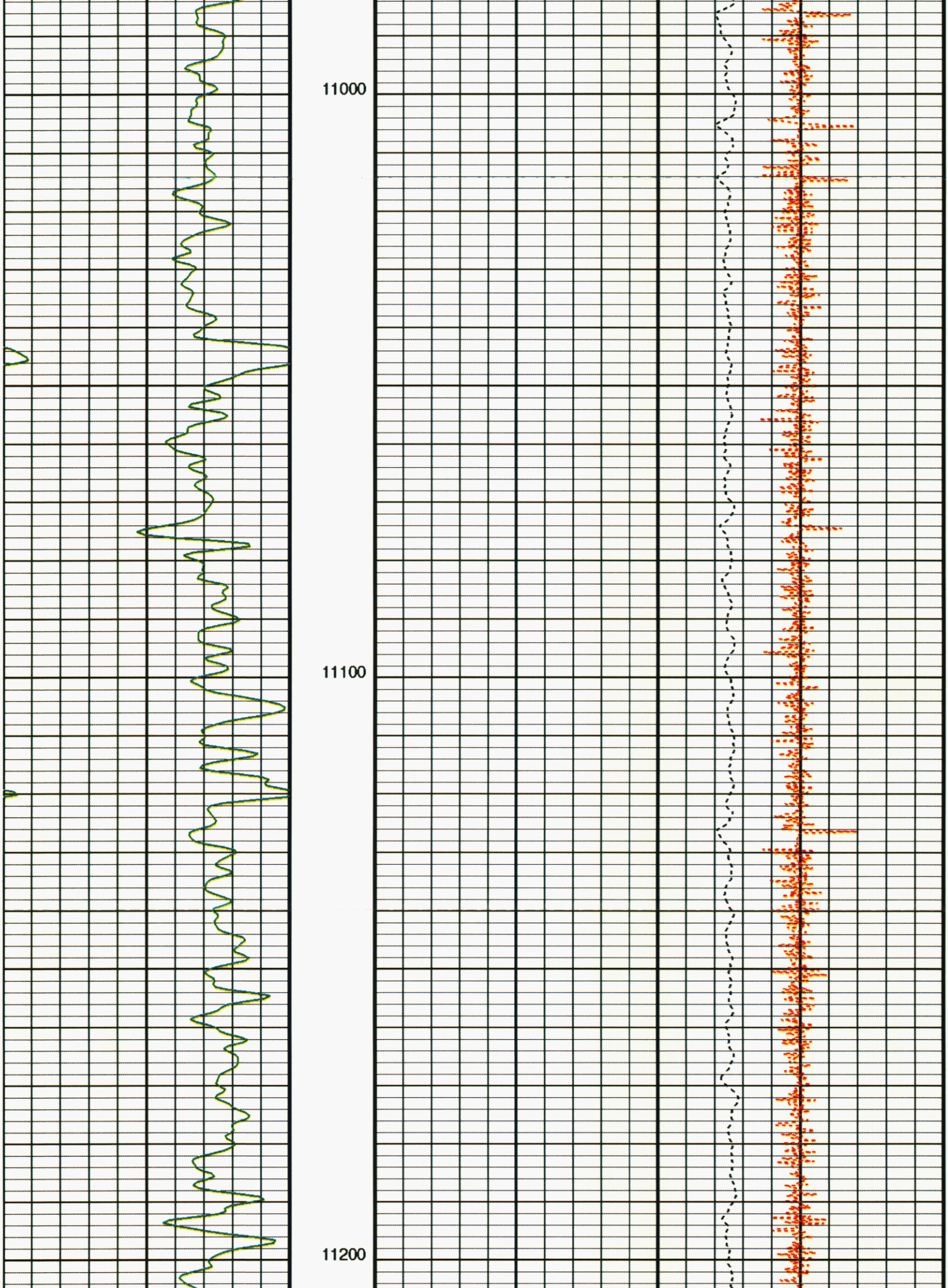
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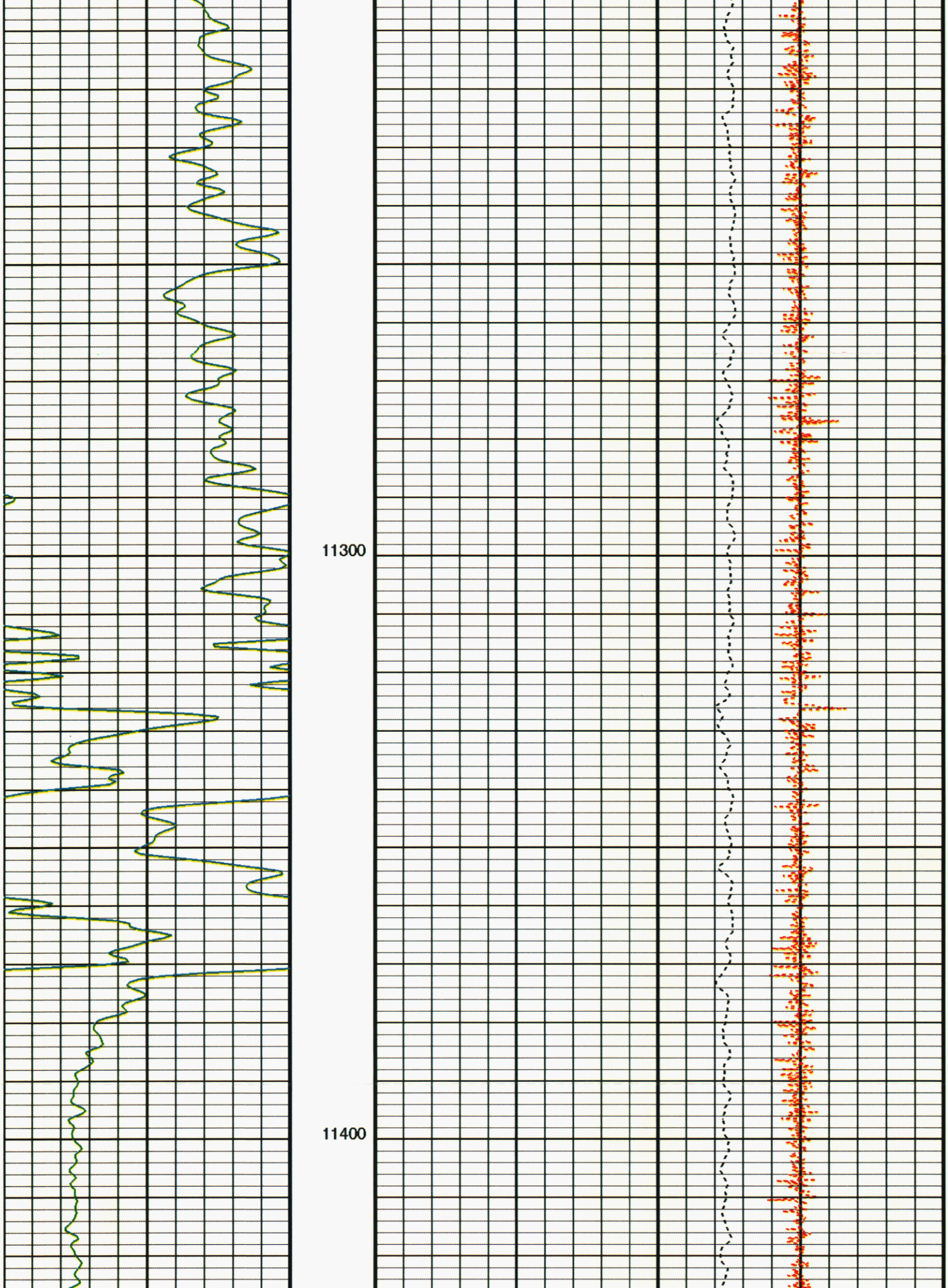
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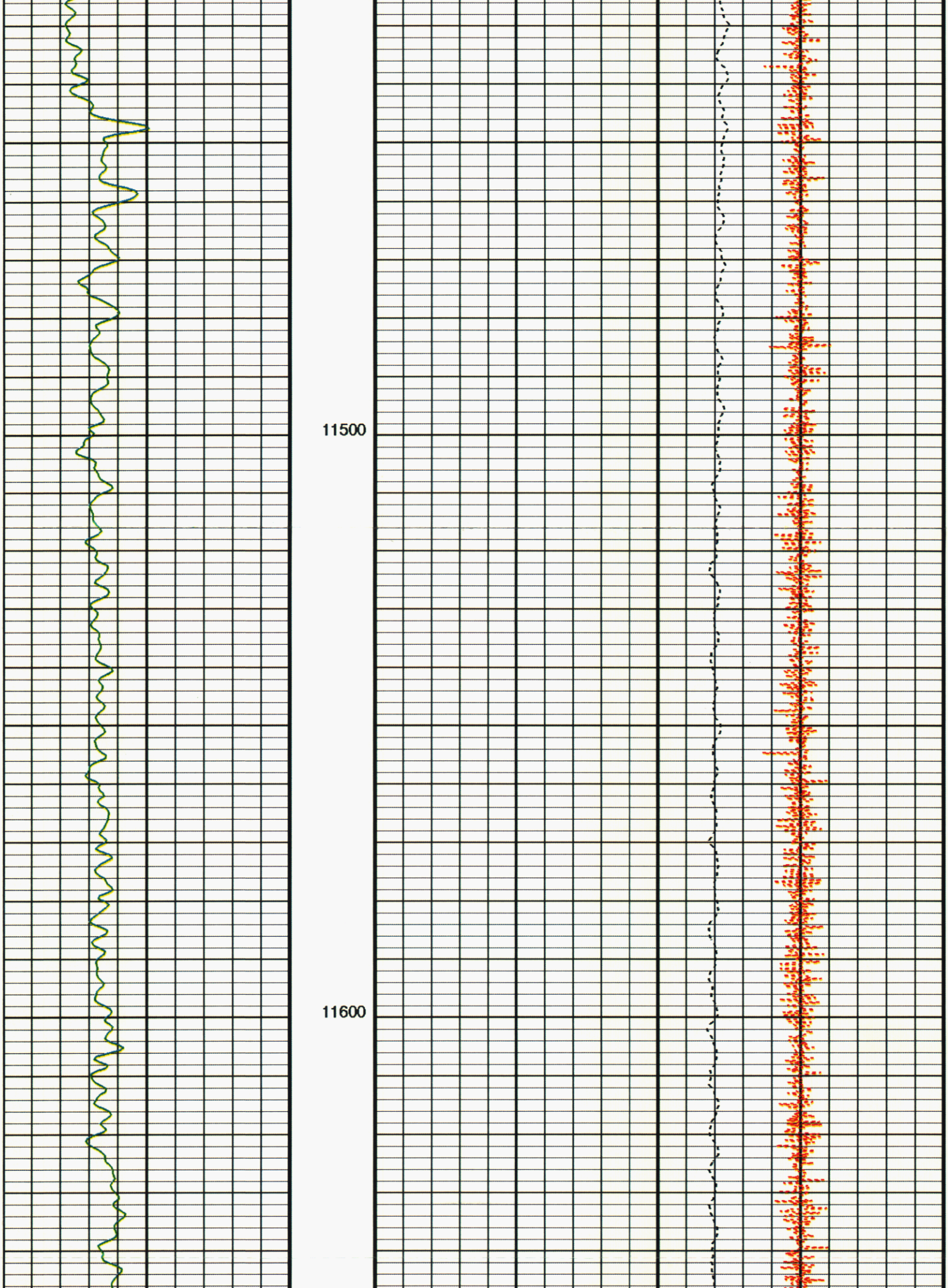
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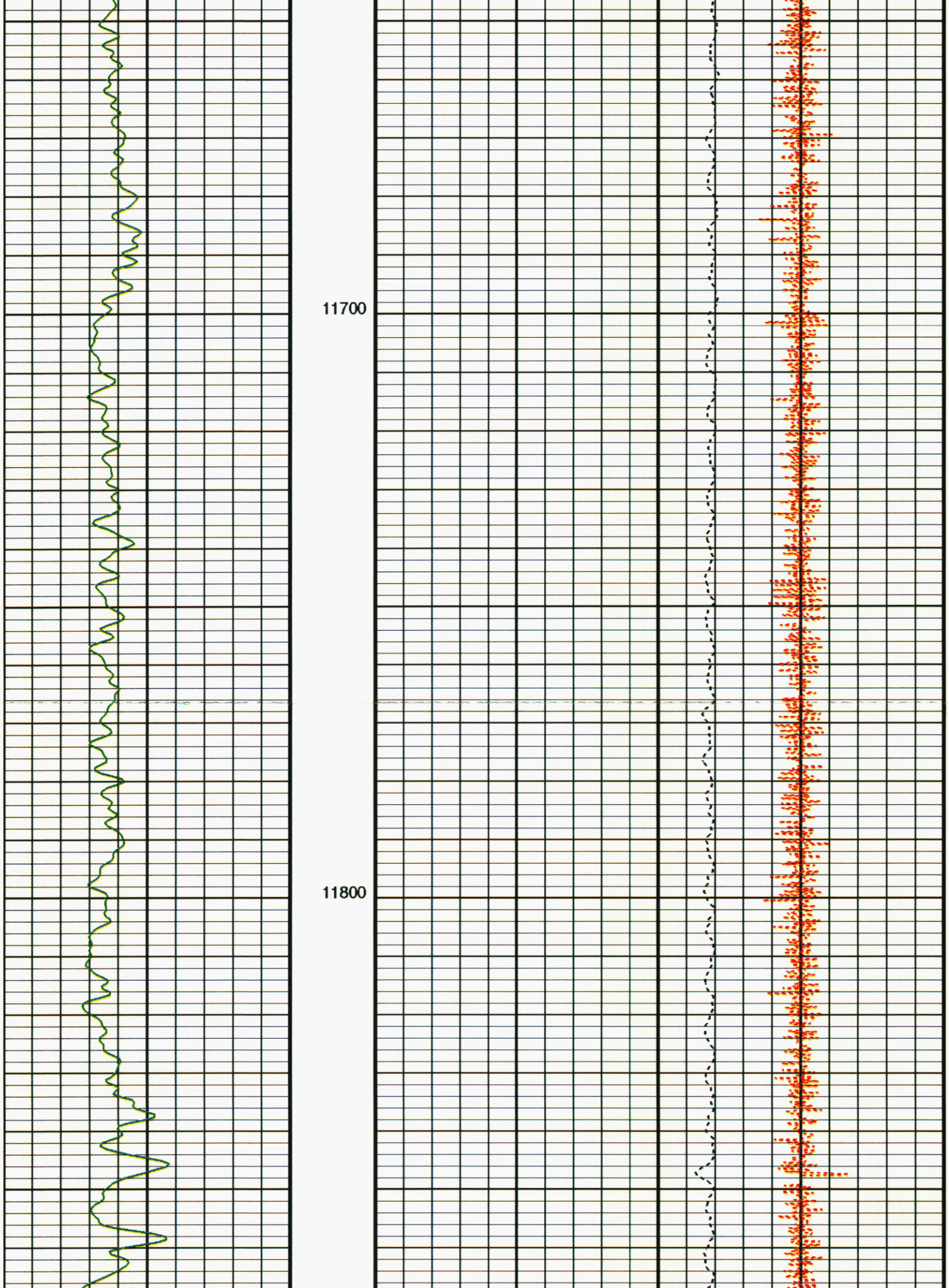
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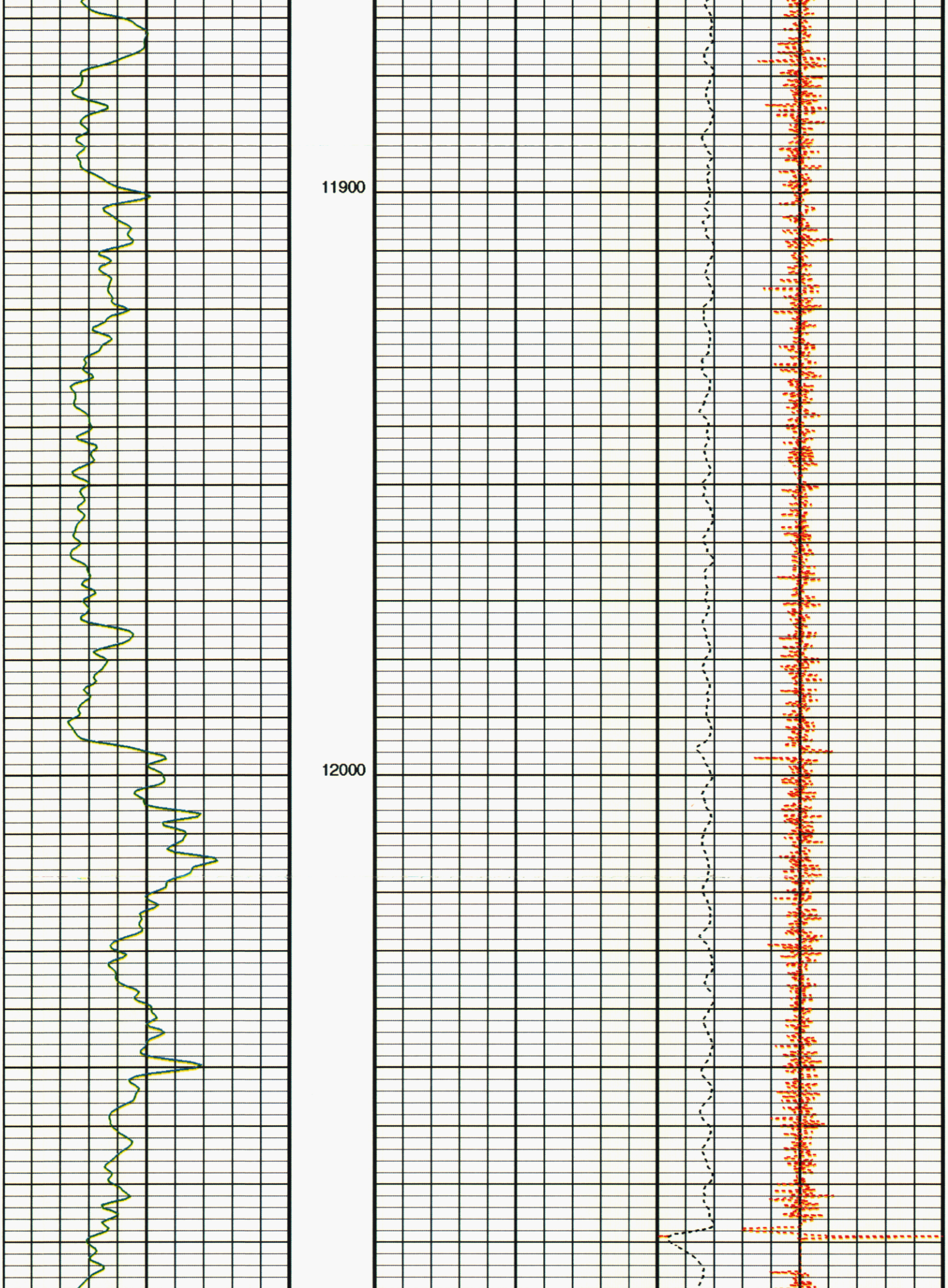
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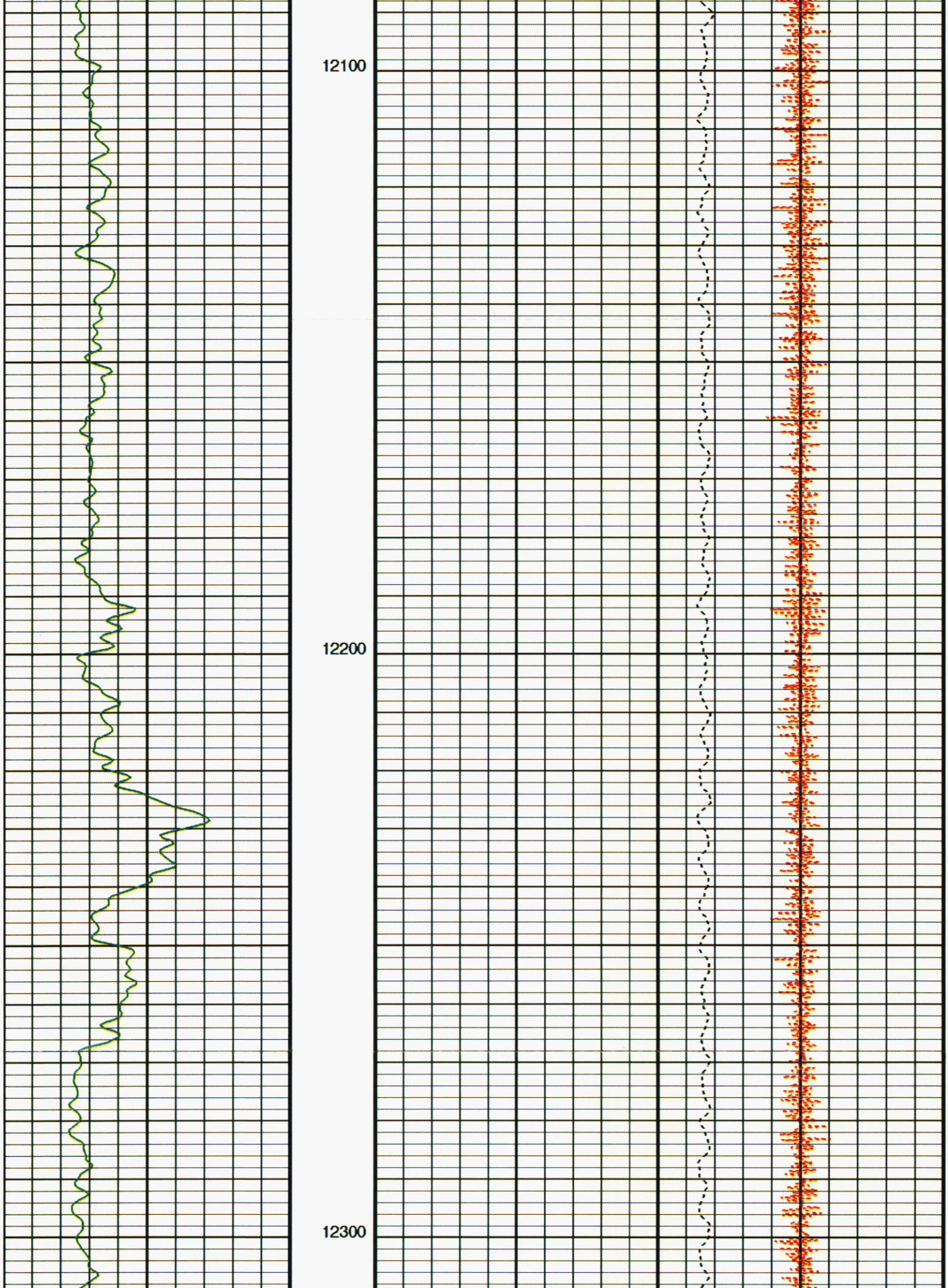
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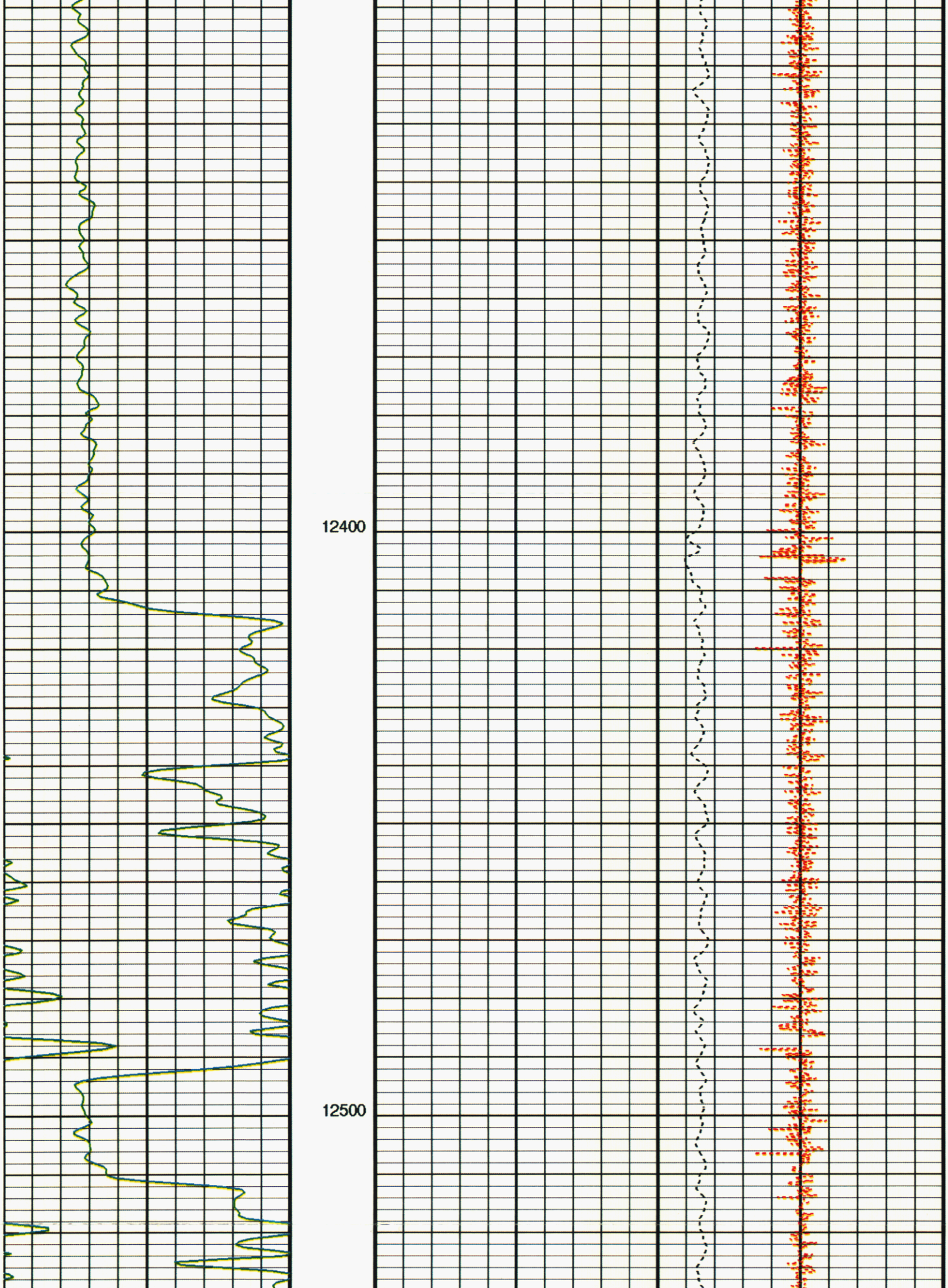
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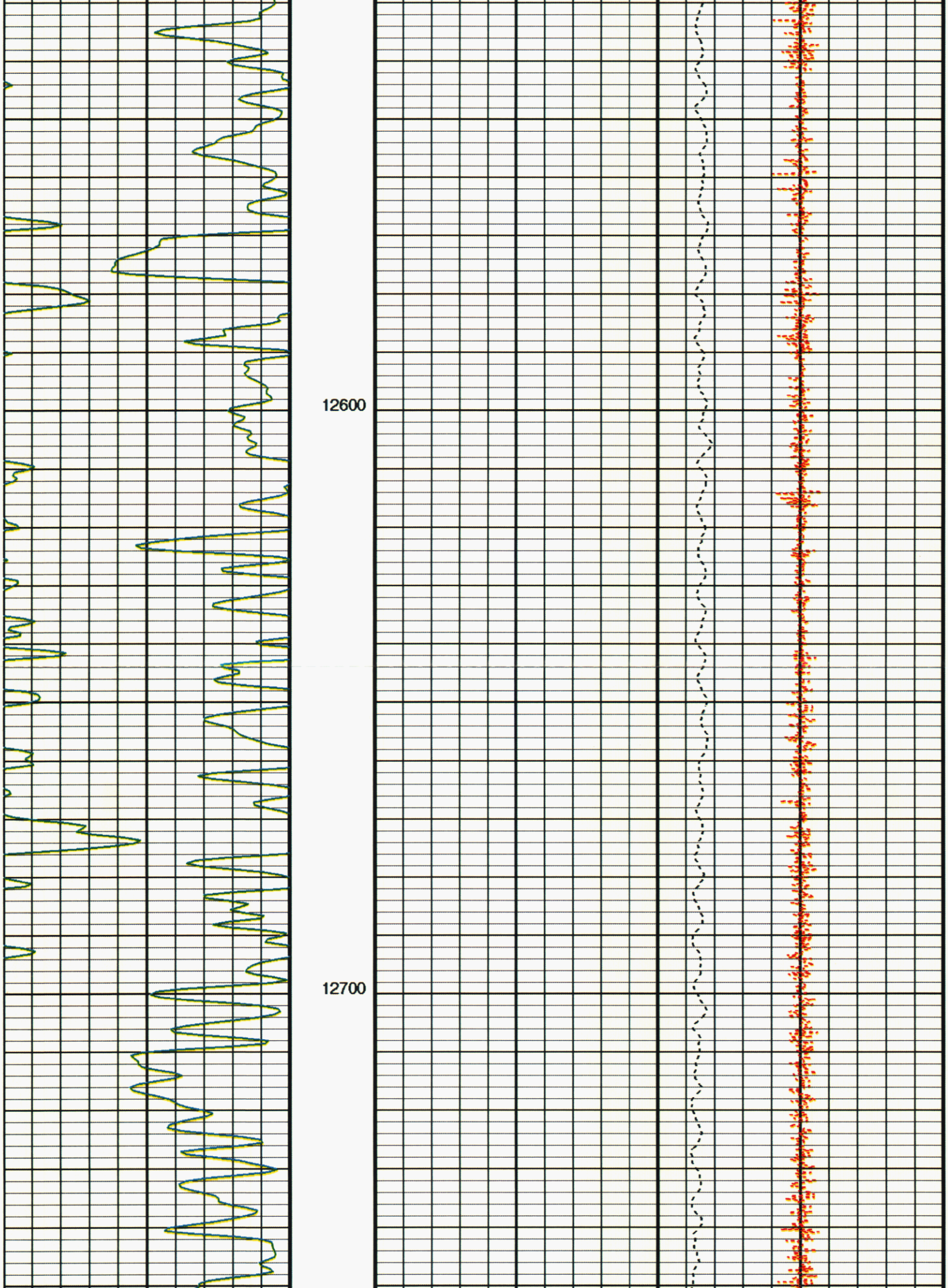
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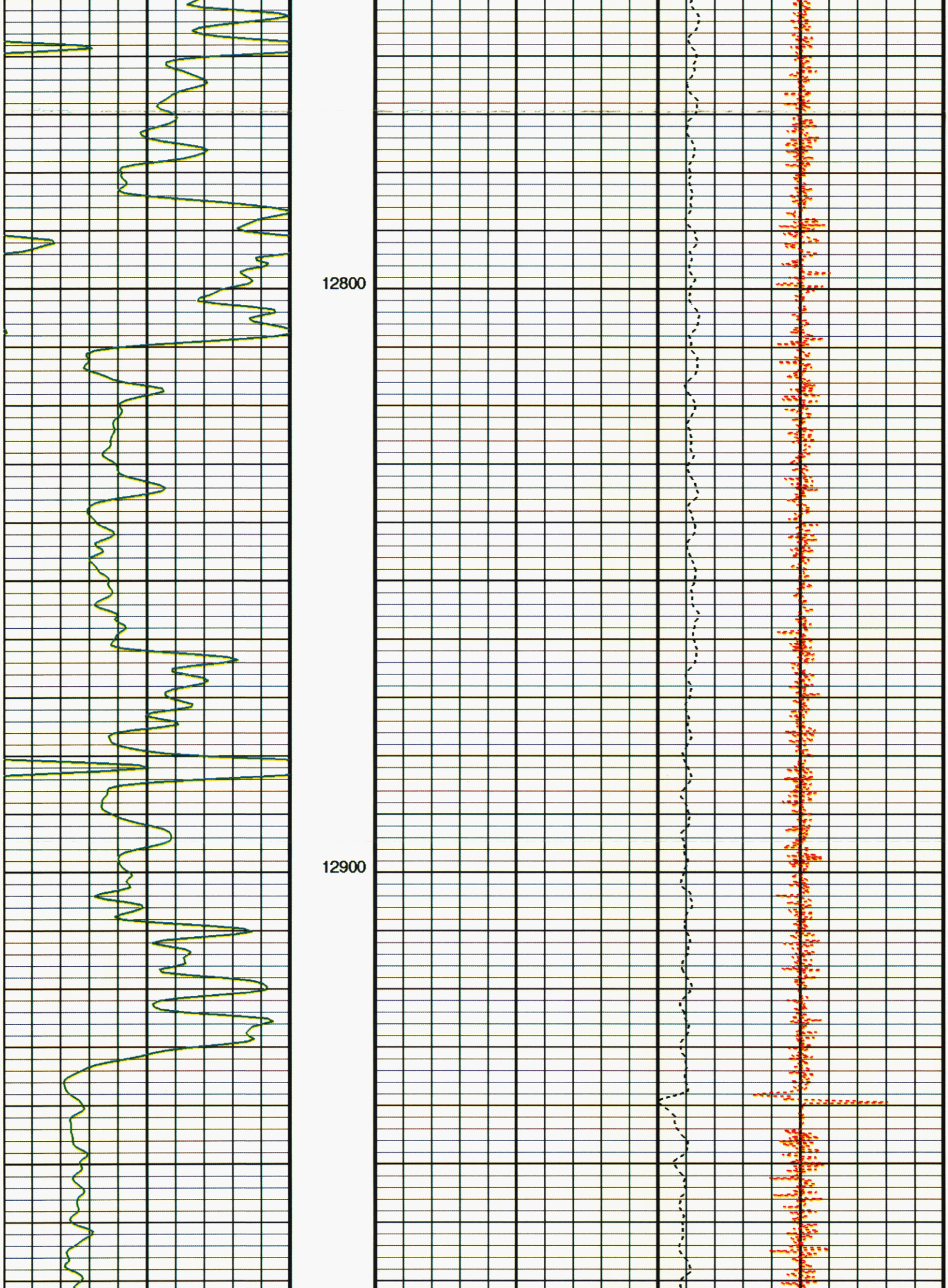
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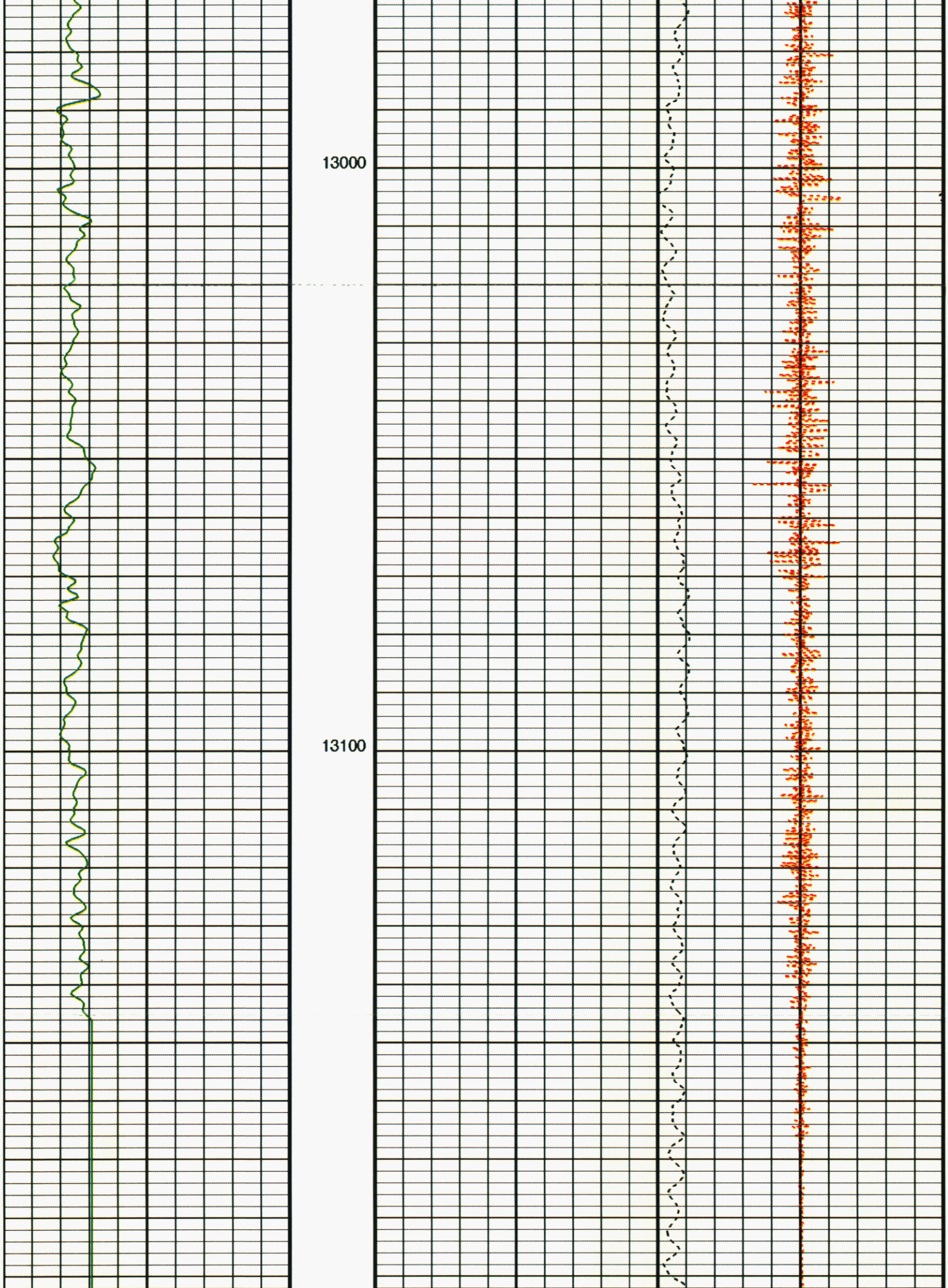
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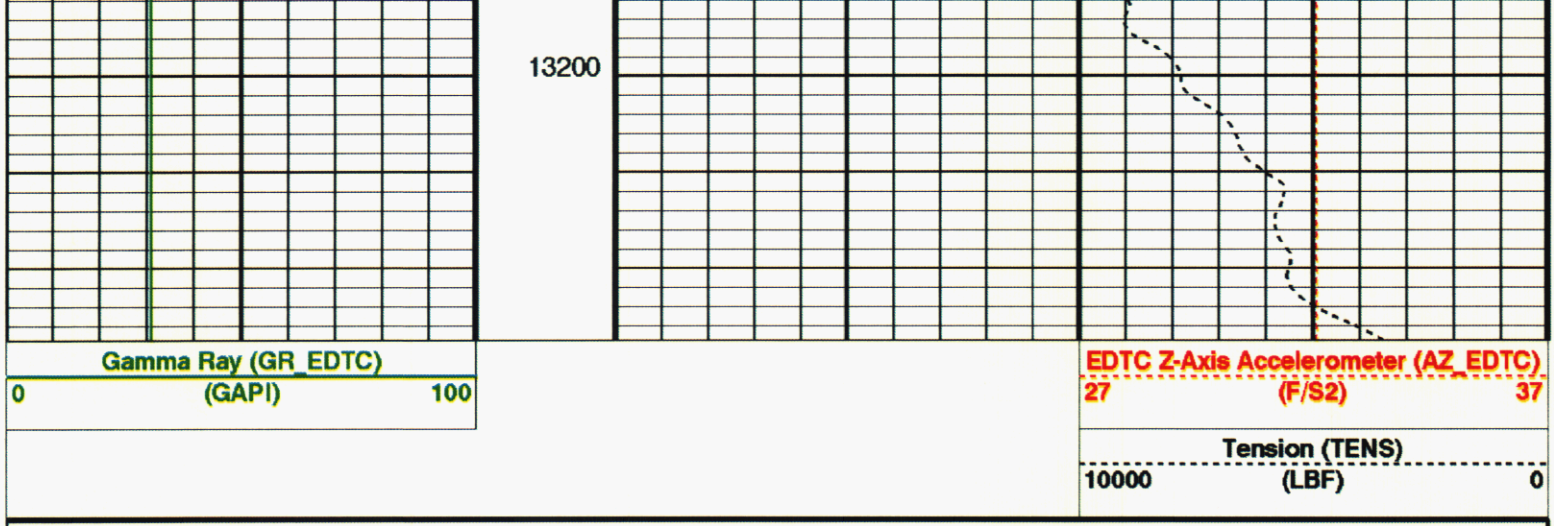

Parameters

DLIS Name	Description	Value
System and Miscellaneous		
DO	Depth Offset for Playback	34.5 FT
PP	Playback Processing	OFF

Format: CORRELATION_EDTCB Vertical Scale: 5" per 100' Graphics File Created: 28-Apr-2011 04:33

OP System Version: 19C0-187

FBST-B	19C0-187	PPC2	19C0-187
MAXS-B	19C0-187	MAPC-B	19C0-187
PPC1	19C0-187	EDTC-B	19C0-187

Input DLIS Files

DEFAULT	FMI_CAL_MAXS_MAPC_040LUP	FN:40	PRODUCER	28-Apr-2011 00:12	13193.0 FT	9429.5 FT

Output DLIS Files

DEFAULT	FMI_CAL_MAXS_MAPC_052PUP	FN:62	PRODUCER	28-Apr-2011 04:33
RTB	FMI_CAL_MAXS_MAPC_052PUP	FN:63	PRODUCER	28-Apr-2011 03:33

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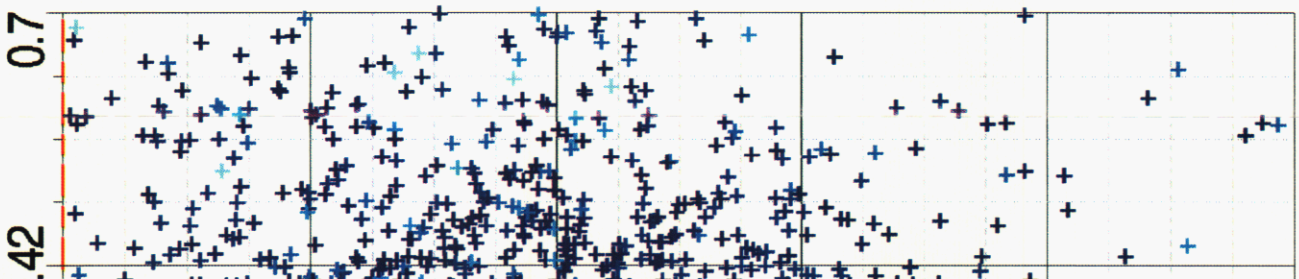
X-PLOTS

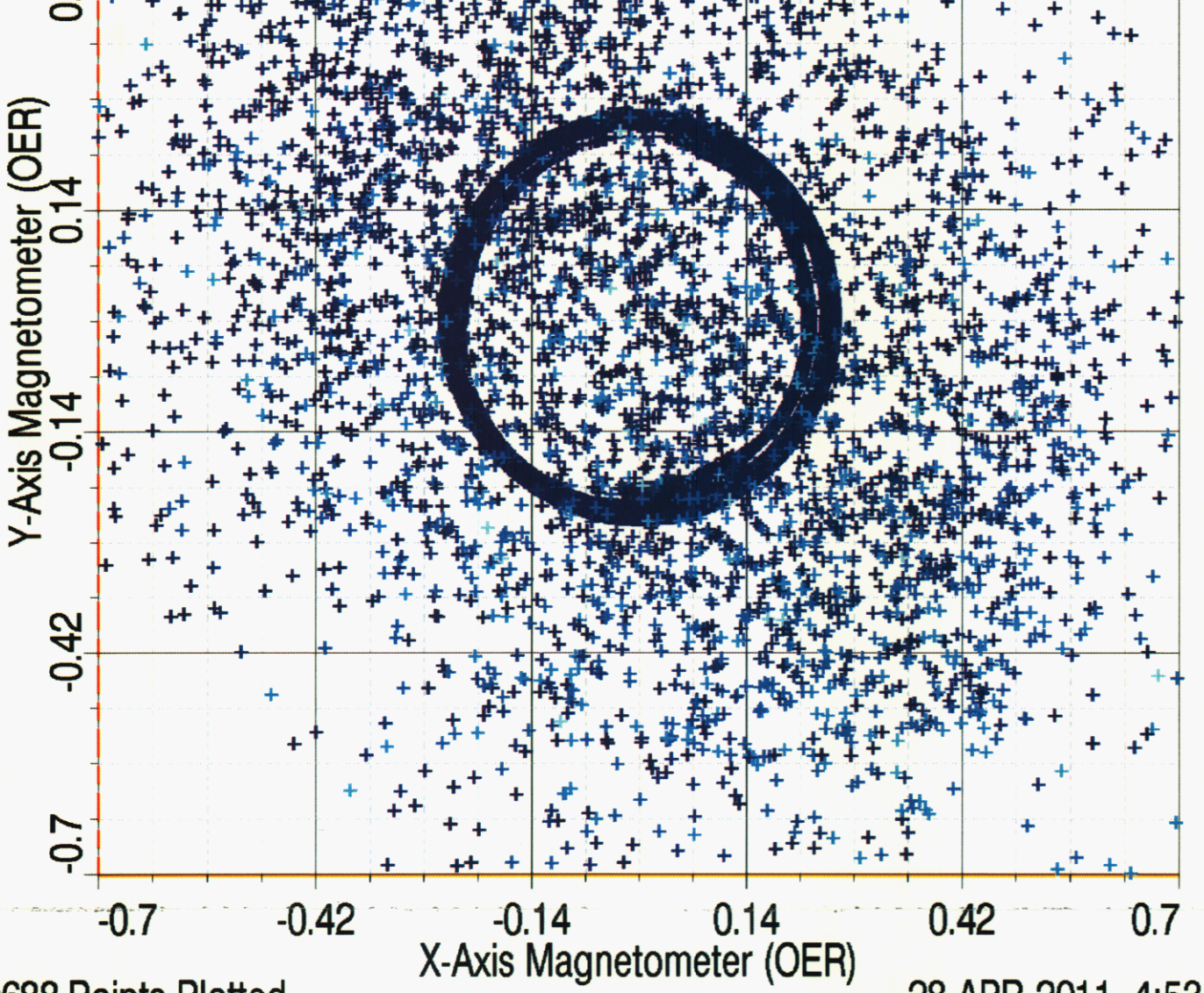
MAXIS Field Log

Index: 13227.5 - 9464.1 FT

Z-Axis Magnetometer (OER)

-0.7 0.7





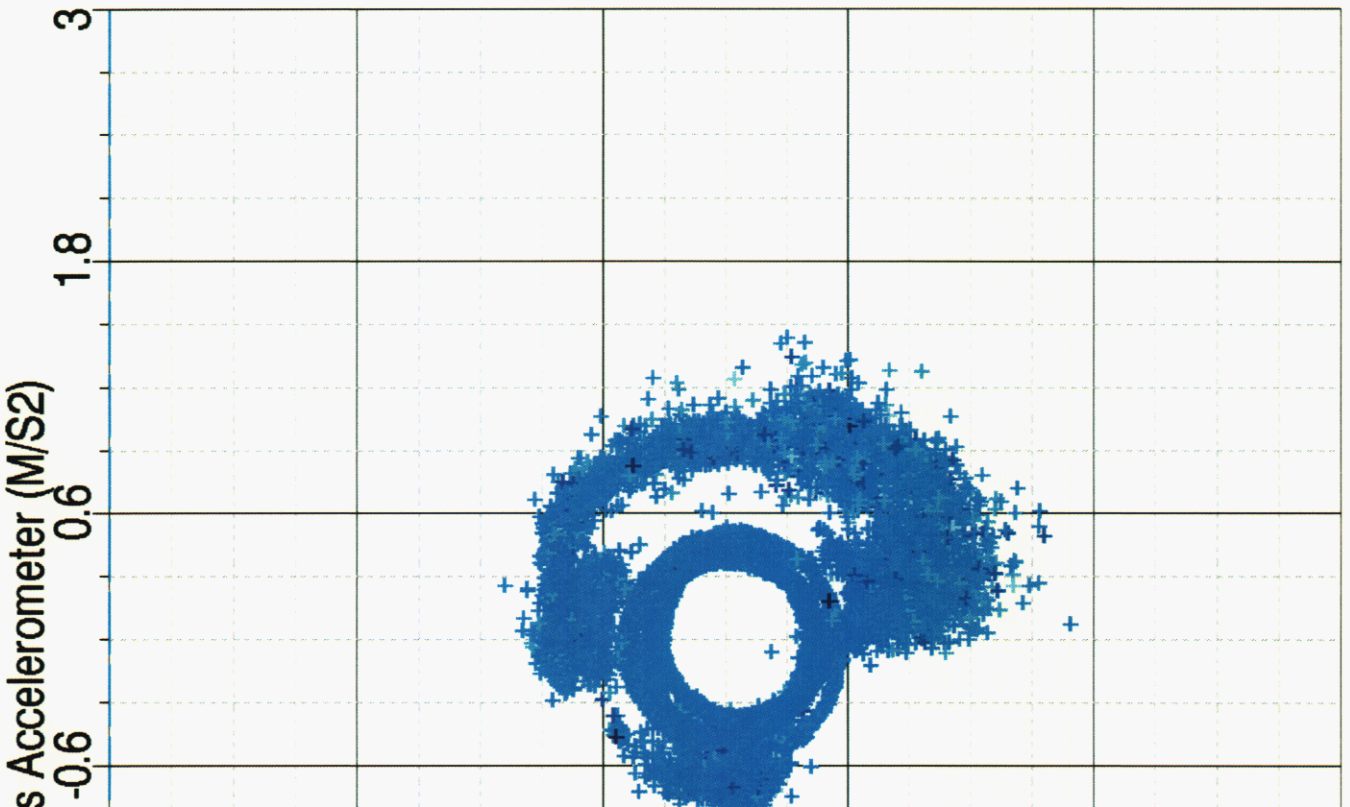
29688 Points Plotted

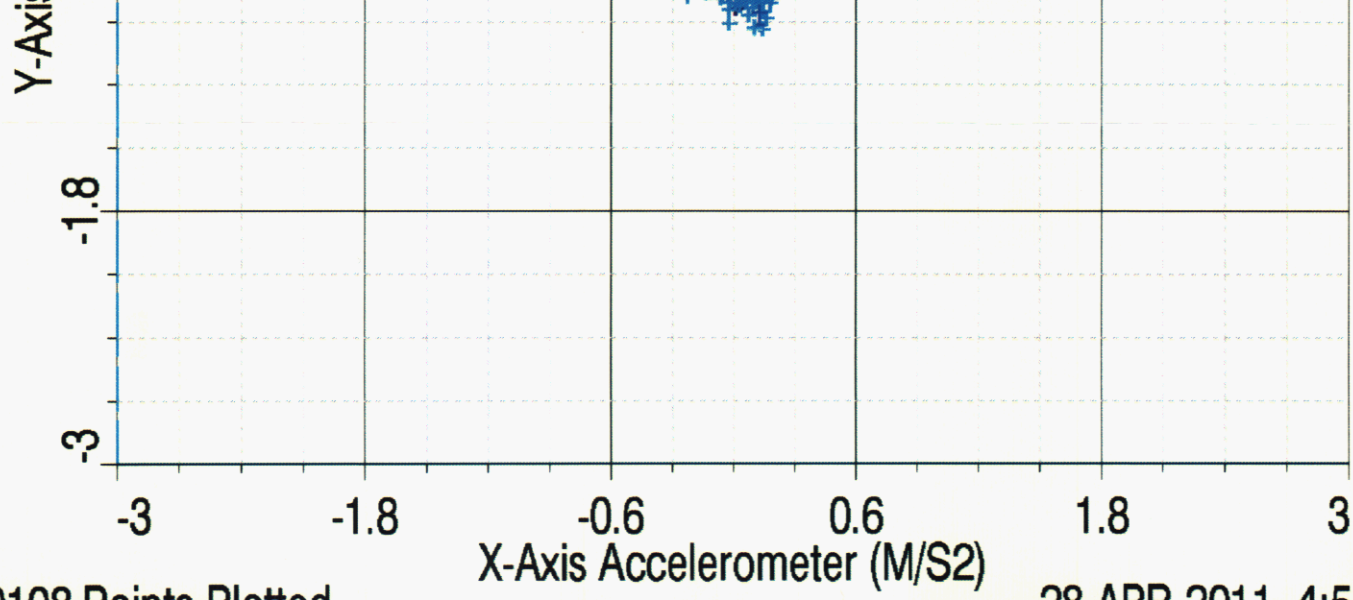
28-APR-2011 4:53

Z-Axis Accelerometer (M/S2)

Index: 13227.5 - 9464.1 FT

9. 11.





30108 Points Plotted 28-APR-2011 4:53

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CALIBRATIONS

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Full-Bore Scanner - B Wellsite Calibration - Caliper Calibration							
Before: 27-Apr-2011 12:09							
Caliper 1 Small Jig	8.000	N/A	7.770	N/A	N/A	N/A	IN
Caliper 2 Small Jig	8.000	N/A	7.553	N/A	N/A	N/A	IN
Caliper 1 Large Jig	12.00	N/A	11.65	N/A	N/A	N/A	IN
Caliper 2 Large Jig	12.00	N/A	11.52	N/A	N/A	N/A	IN
Powered Positioning Device/Caliper 2 Wellsite Calibration - PPC2 Caliper Calibration							
Before: 27-Apr-2011 3:56							
PPC2 Radius 1 Raw Small Radius	3.500	N/A	4.372	N/A	N/A	0.5000	IN
PPC2 Radius 1 Raw Large Radius	8.000	N/A	8.608	N/A	N/A	0.5000	IN
PPC2 Radius 2 Raw Small Radius	3.500	N/A	3.309	N/A	N/A	0.5000	IN
PPC2 Radius 2 Raw Large Radius	8.000	N/A	7.734	N/A	N/A	0.5000	IN
PPC2 Radius 3 Raw Small Radius	3.500	N/A	4.423	N/A	N/A	0.5000	IN
PPC2 Radius 3 Raw Large Radius	8.000	N/A	8.639	N/A	N/A	0.5000	IN
PPC2 Radius 4 Raw Small Radius	3.500	N/A	3.149	N/A	N/A	0.5000	IN
PPC2 Radius 4 Raw Large Radius	8.000	N/A	7.544	N/A	N/A	0.5000	IN
Powered Positioning Device/Caliper 1 Wellsite Calibration - PPC1 Caliper Calibration							
Before: 27-Apr-2011 3:49							
PPC1 Radius 1 Raw Small Radius	3.500	N/A	4.119	N/A	N/A	0.5000	IN
PPC1 Radius 1 Raw Large Radius	8.000	N/A	8.501	N/A	N/A	0.5000	IN
PPC1 Radius 2 Raw Small Radius	3.500	N/A	3.376	N/A	N/A	0.5000	IN
PPC1 Radius 2 Raw Large Radius	8.000	N/A	7.816	N/A	N/A	0.5000	IN
PPC1 Radius 3 Raw Small Radius	3.500	N/A	4.041	N/A	N/A	0.5000	IN
PPC1 Radius 3 Raw Large Radius	8.000	N/A	8.493	N/A	N/A	0.5000	IN
PPC1 Radius 4 Raw Small Radius	3.500	N/A	4.028	N/A	N/A	0.5000	IN
PPC1 Radius 4 Raw Large Radius	8.000	N/A	8.396	N/A	N/A	0.5000	IN
Enhanced DTS Cartridge Wellsite Calibration - EDTC Accelerometer Calibration							
Before: 27-Apr-2011 22:28							
EDTC Z-Axis Acceleration	32.19	N/A	32.00	N/A	N/A	N/A	F/S2
Enhanced DTS Cartridge Wellsite Calibration - Detector Calibration							

Before: 27-Apr-2011 10:05							
Gamma Ray (Jig - Bkg)	148.5	N/A	148.5	N/A	N/A	13.50	GAPI
Gamma Ray (Calibrated)	163.0	N/A	163.0	N/A	N/A	15.00	GAPI

Full-Bore Scanner - B / Equipment Identification

Primary Equipment:		
FullBore Scanner Sonde	FBSS - B	929
FullBore Scanner Sonde Upper part	FBSH - A	1734
FullBore Scanner Sonde Cartridge	FBSC - B	1737
GPIT Cartridge - F	GPIC - F	774
Insulating Sub	AH - 185	1790
Flex Joint	AH - 184	
FullBore Scanner Control Cartridge	FBCC - A	1708
Auxiliary Equipment:		
Electronics Cartridge Housing	ECH - MRA	5939

Full-Bore Scanner - B Wellsite Calibration

Caliper Calibration

Phase	Caliper 1 Small Jig IN	Value	Phase	Caliper 2 Small Jig IN	Value
Before	6.800 (Minimum) / 8.000 (Nominal) / 9.200 (Maximum)	7.770	Before	6.800 (Minimum) / 8.000 (Nominal) / 9.200 (Maximum)	7.553
Phase	**Caliper 1 Large Jig IN**	**Value**	**Phase**	**Caliper 2 Large Jig IN**	**Value**
Before	10.20 (Minimum) / 12.00 (Nominal) / 13.80 (Maximum)	11.65	Before	10.20 (Minimum) / 12.00 (Nominal) / 13.80 (Maximum)	11.52

Before: 27-Apr-2011 12:09

Powered Positioning Device/Caliper 2 / Equipment Identification

Primary Equipment:		
PPC Powered Positioning Device/Caliper	PPC2 - B	8152
PPC2 Caliper Standard	PPC_ -	
Auxiliary Equipment:		

Powered Positioning Device/Caliper 2 Wellsite Calibration

PPC2 Caliper Calibration

Phase	PPC2 Radius 1 Raw Small Radius IN	Value	Phase	PPC2 Radius 1 Raw Large Radius IN	Value
Before	1.200 (Minimum) / 3.500 (Nominal) / 5.600 (Maximum)	4.372	Before	6.100 (Minimum) / 8.000 (Nominal) / 9.700 (Maximum)	8.608
Phase	**PPC2 Radius 2 Raw Small Radius IN**	**Value**	**Phase**	**PPC2 Radius 2 Raw Large Radius IN**	**Value**
Before	1.200 (Minimum) / 3.500 (Nominal) / 5.600 (Maximum)	3.309	Before	6.100 (Minimum) / 8.000 (Nominal) / 9.700 (Maximum)	7.734
Phase	**PPC2 Radius 3 Raw Small Radius IN**	**Value**	**Phase**	**PPC2 Radius 3 Raw Large Radius IN**	**Value**
Before	1.200 (Minimum) / 3.500 (Nominal) / 5.600 (Maximum)	4.423	Before	6.100 (Minimum) / 8.000 (Nominal) / 9.700 (Maximum)	8.639
Phase	**PPC2 Radius 4 Raw Small Radius IN**	**Value**	**Phase**	**PPC2 Radius 4 Raw Large Radius IN**	**Value**
Before	1.200 (Minimum) / 3.500 (Nominal) / 5.600 (Maximum)	3.149	Before	6.100 (Minimum) / 8.000 (Nominal) / 9.700 (Maximum)	7.544

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Multimode Array Sonic Power Cartridge / Equipment Identification

Primary Equipment:		
Multimode Array Sonic Minimum Service So	MAMS - BA	8148
Multimode Array Sonic Control Cartridge	MAPC - BA	8174

Auxiliary Equipment:

Electronics Cartridge Housing	ECH - SF	8174

Powered Positioning Device/Caliper 1 / Equipment Identification

Primary Equipment:

PPC Powered Positioning Device/Caliper	PPC1 - B	8035
PPC1 Caliper Standard	PPC_ -	

Auxiliary Equipment:

Powered Positioning Device/Caliper 1 Wellsite Calibration

PPC1 Caliper Calibration

Phase	PPC1 Radius 1 Raw Small Radius IN	Value	Phase	PPC1 Radius 1 Raw Large Radius IN	Value
Before	1.200 (Minimum) / 3.500 (Nominal) / 5.600 (Maximum)	4.119	Before	6.100 (Minimum) / 8.000 (Nominal) / 9.700 (Maximum)	8.501
Phase	PPC1 Radius 2 Raw Small Radius IN	Value	Phase	PPC1 Radius 2 Raw Large Radius IN	Value
Before	1.200 (Minimum) / 3.500 (Nominal) / 5.600 (Maximum)	3.376	Before	6.100 (Minimum) / 8.000 (Nominal) / 9.700 (Maximum)	7.816
Phase	PPC1 Radius 3 Raw Small Radius IN	Value	Phase	PPC1 Radius 3 Raw Large Radius IN	Value
Before	1.200 (Minimum) / 3.500 (Nominal) / 5.600 (Maximum)	4.041	Before	6.100 (Minimum) / 8.000 (Nominal) / 9.700 (Maximum)	8.493
Phase	PPC1 Radius 4 Raw Small Radius IN	Value	Phase	PPC1 Radius 4 Raw Large Radius IN	Value
Before	1.200 (Minimum) / 3.500 (Nominal) / 5.600 (Maximum)	4.028	Before	6.100 (Minimum) / 8.000 (Nominal) / 9.700 (Maximum)	8.396

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Enhanced DTS Cartridge / Equipment Identification

Primary Equipment:

EDTC Gamma Ray Detector	EDTG - A/B
Enhanced DTS Cartridge	EDTC - B

Auxiliary Equipment:

EDTC Housing	EDTH - B	9190

Enhanced DTS Cartridge Wellsite Calibration

EDTC Accelerometer Calibration

Phase	EDTC Z-Axis Acceleration F/S2	Value
Before	31.53 (Minimum) / 32.19 (Nominal) / 32.84 (Maximum)	32.00

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Enhanced DTS Cartridge Wellsite Calibration

Detector Calibration

Phase	Gamma Ray Background GAPI	Value	Phase	Gamma Ray (Jig - Bkg) GAPI	Value	Phase	Gamma Ray (Calibrated) GAPI	Value
Before	0 (Minimum) / 30.00 (Nominal) / 120.0 (Maximum)	52.33	Before	135.0 (Minimum) / 148.5 (Nominal) / 162.0 (Maximum)	148.5	Before	148.0 (Minimum) / 163.0 (Nominal) / 178.0 (Maximum)	163.0

Before: 27-Apr-2011 10:05

Company: OXY US LA Basin

Schlumberger

Well: DOM-002
Field: Dominguez
County: Los Angeles
State: California

FORMATION MICRO IMAGER
GAMMA RAY TIE IN
10IN / 100FT LINEAR MD

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