HALLIBURTON | Sperry Drilling

AGR Azimuthal Gamma Ray
XBAT Bi-Modal Acoustic
EWR-M5

Powered by INSITE™

1 : 500

Country	: Japan
Field	: Nankai Trough
Location	: Lat: 33° 18' 3.04" North Long: 136° 38' 12.17" East
Well	: C0002P
Company	: JAMSTEC
Rig	: CHIKYU

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Well : **C0002P**
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Country : **Japan**
DOE Number :

LOCATION

Latitude : **33° 18' 3.04" North**
Longitude : **136° 38' 12.17" East**

UTM Easting = 652382.4 m
UTM Northing = 3685834.6 m

Other Services
Directional Drilling
DDSr Drillstring Dynamics

Permanent Datum : **Mean Sea Level** Elevation : **0.00 m**
Log Measured From : **Drill Floor** **28.50 m** Above Permanent Datum
Drilling Measured From : **Drill Floor**

MD LOG

Elev. KB **0.00 m**
DF **28.50 m**
GL **0.00 m**
WD **1939.00 m**

Depth Logged : **4,186.00 m** To **5,026.00 m**
Date Logged : **26-Dec-13** To **02-Jan-14**
Total Depth MD : **5,026.00 m** TVD : **5,024.09 m**
Spud Date : **11-Oct-13**

Unit No. : **0003501** Job No. : **JP-XX-0900526576**
Plot Type : **Final**
Plot Date : **13-Jan-14**

Run No.	Borehole Record (MD) Size	From	To
4	12.250 in	4,186.00 m	5,026.00 m

Run No.	Borehole Record (MD) Size	From	To

Casing Record (MD) Size	Weight	From	To
36.000 in	822.35 kgpm	1,962.82 m	2,021.00 m
20.000 in	192.39 kgpm	1,962.82 m	2,827.80 m
13.375 in	101.19 kgpm	2,827.80 m	3,904.00 m

WELL INFORMATION

MWD Run Number									400																		
Date run completed									02-Jan-14																		
Rig Bit Number									4																		
Bit Size (in)									12.250																		
Tool Nominal OD (in)									8.000																		
Log Start Depth (MD, m)									4,186.000																		
Log End Depth (MD, m)									5,026.000																		
Drill or Wipe									Drill																		
Drill/Wipe Start Date and Time									26-Dec-13 10:00																		
Drill/Wipe End Date and Time									31-Dec-13 00:15																		
Min Inc (deg) @ Depth (MD, m)									1.40 @ 4,949.730																		
Max Inc (deg) @ Depth (MD, m)									2.93 @ 4,153.753																		
Bit TFA(cm2) / Bit Type									6.8 / PDC																		
Flow Rate (m3pm)									3.03																		
Max AV (mps) / CV (mps) @ MWD									1.3 / 3.1																		
Fluid Type									Polymer																		
Density (ppg) / Viscosity (spl)									10.68 / 107.81																		
Filtrate CL (ppm)									120,700.00																		
pH / Fluid Loss (m3pm)									11.10 / 0																		
PV (mPsec) / YP (pa)									44 / 27.29																		
% Solids / % Sand									14 / 0.2																		
% Oil / Oil:Water Ratio									N/A / N/A																		
Rm @ Measured Temp (degC)									.110 @ 24.00																		
Rmf @ Measured Temp (degC)									.080 @ 24.00																		
Rmc @ Measured Temp (degC)									.140 @ 24.00																		
Max Tool Temp (degC) / Source									43.14 / HCIM																		
Rm @ Max Tool Temp (degC)									.0774 @ 43.14																		
Lead MWD Engineer									Alex Munro																		
Customer Representative									Dr Moe																		

SENSOR INFORMATION

Downhole Processor Information

Tool Type	HCIM				
Software Version	88.56				
Sub Serial Number	11952679				
Insert Serial Number	11790865				
Date and Time Initialized	26-Dec-13 16:50				
Date and Time Read	02-Jan-14 05:24				
ECMB SW Version	N/A				

Directional Sensor Information

Tool Type	PCDC				
Distance From Bit (m)	31.450				
Software Version	6.21				
Sub Serial Number	11025002				
Sonde Serial Number	11902126				
Sensor ID Number	N/A				
Toolface Offset (deg)	0				

Gamma Ray Sensor Information

Tool Type	AGR				
Distance From Bit (m)	16.230				
Recorded Sample Period (sec)	10				
Software Version	9.23				
Sub Serial Number	11952679				
Insert/Sonde Serial Number	239879				

Resistivity Sensor Information

Tool Type	EWR-M5				
Distance From Bit (m)	19.030				
Recorded Sample Period (sec)	12				
Software Version	1.56				
Sub Serial Number	11952679				
Receiver Insert Serial Number	208050				
Transmitter Insert Serial Number	239879				
Receiver Orientation	Down				

Sonic Sensor Information

Tool Type	XBAT				
Distance From Bit (m)	26.84				
Recorded Sample Period (sec)	20				
Sub Serial Number	N/A				
Receiver Insert Serial Number	12108405				
Transmitter Insert Serial Number	11215811				
MIT File	4:M11_D5				
Config File	N/A				
Real-Time Window (us/m)	N/A - N/A				
Battery Insert Serial Number	11816955				
MCM Software Version	N/A				
DAQ1/DAQ2 Software Version	N/A / N/A				
DSM Software Version	N/A				

REMARKS

1. All depths are referenced to driller's pipe tally. No correction has been made for pipe stretch or squat.

2. The following smoothing parameters have been applied to the data:
   Sonic curves 0.1524m interval, 0.4 coercion distance

3. XCAL data had been office processed.

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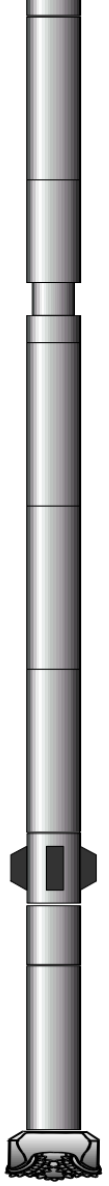
MWD RUN 400 - BHA

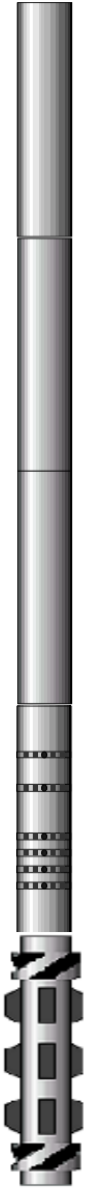
	Component Length (m)	Cumulative Length (m)
		5251.15
Drill Pipe 6.6250 in OD	940.000	
		4311.15
Sub 8.5000 in OD	.800	
		4310.35
Drill Pipe 5.5000 in OD	902.400	
		3407.95
Sub 7.5000 in OD	.800	
		3407.15
Drill Pipe 5.5000 in OD	789.600	
		2617.55
Drill Pipe 5.0000 in OD	2,331.200	
		286.35
Sub 8.5000 in OD	.910	
		285.44
Drill Pipe 5.6800 in OD	108.390	
		177.05
Sub 8.5000 in OD	.610	

MWD RUN 400 - MWD

	Sensor Measure Point Distance To Bit (m)
MWD - Directional SN# 11902126	31.450
MWD - Processor SN# 10996871	
MWD - Telemetry SN# 10450009	
MWD - Sonic SN# 11816955	
MWD - Processor	



		176.44
Collar 8.5000 in OD	18.540	
		157.90
Jar 8.0000 in OD	9.370	
		148.53
Collar 8.5000 in OD	111.050	
		37.48
Collar 8.0000 in OD	2.360	
		35.12
MWD 8.0000 in OD	23.23	
		11.89
Stabilizer 8.5000 in OD	1.680	
		10.21
Sub 8.0000 in OD	.680	
		9.53
Motor 9.6250 in OD	9.190	
		0.34
Bit 7.7500 in OD	.340	



MWD - Gamma Ray SN# 239879	16.230
MWD - Drilling SN# 239879	16.020
MWD - Drilling SN# 239879	16.790
MWD - Resistivity SN# 208050	19.030
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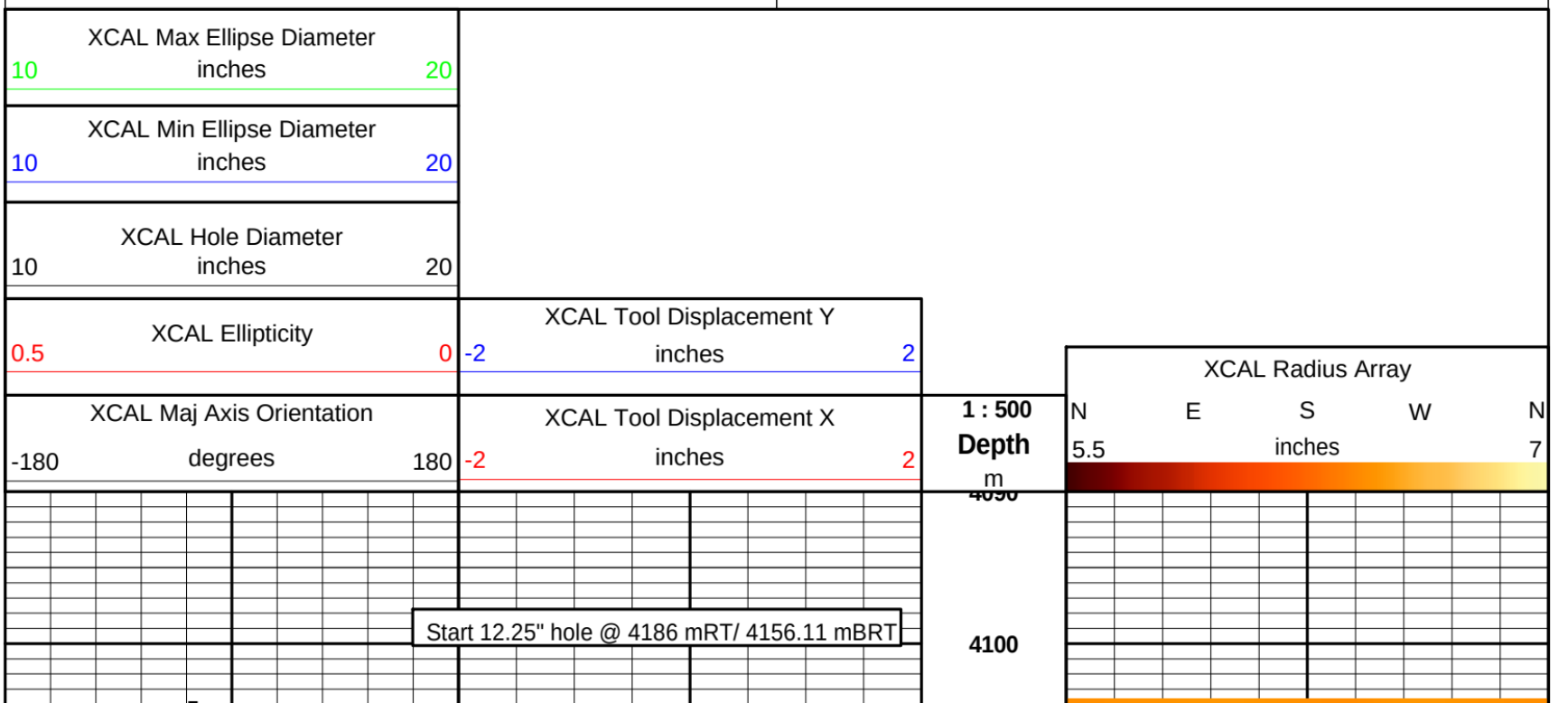

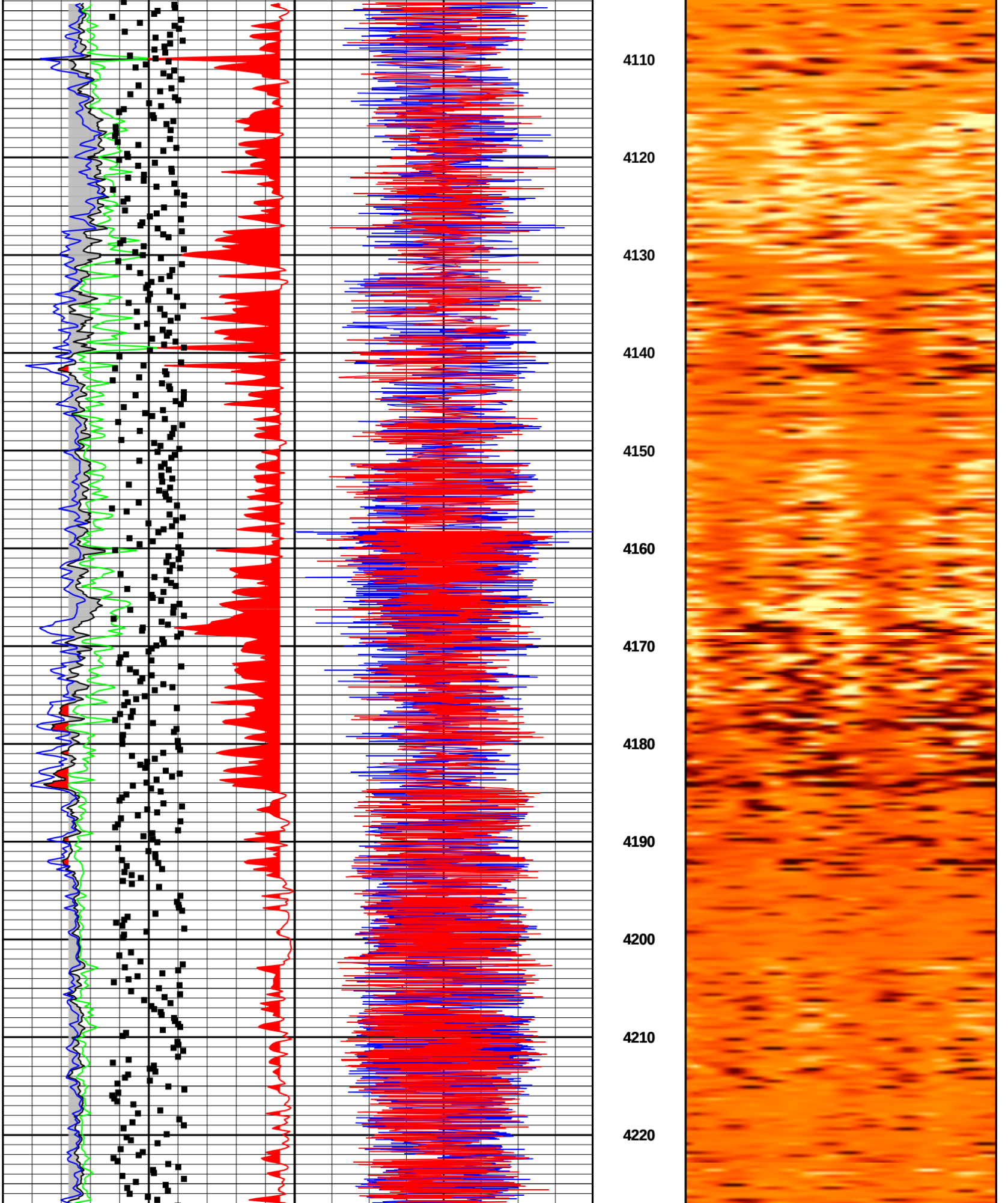
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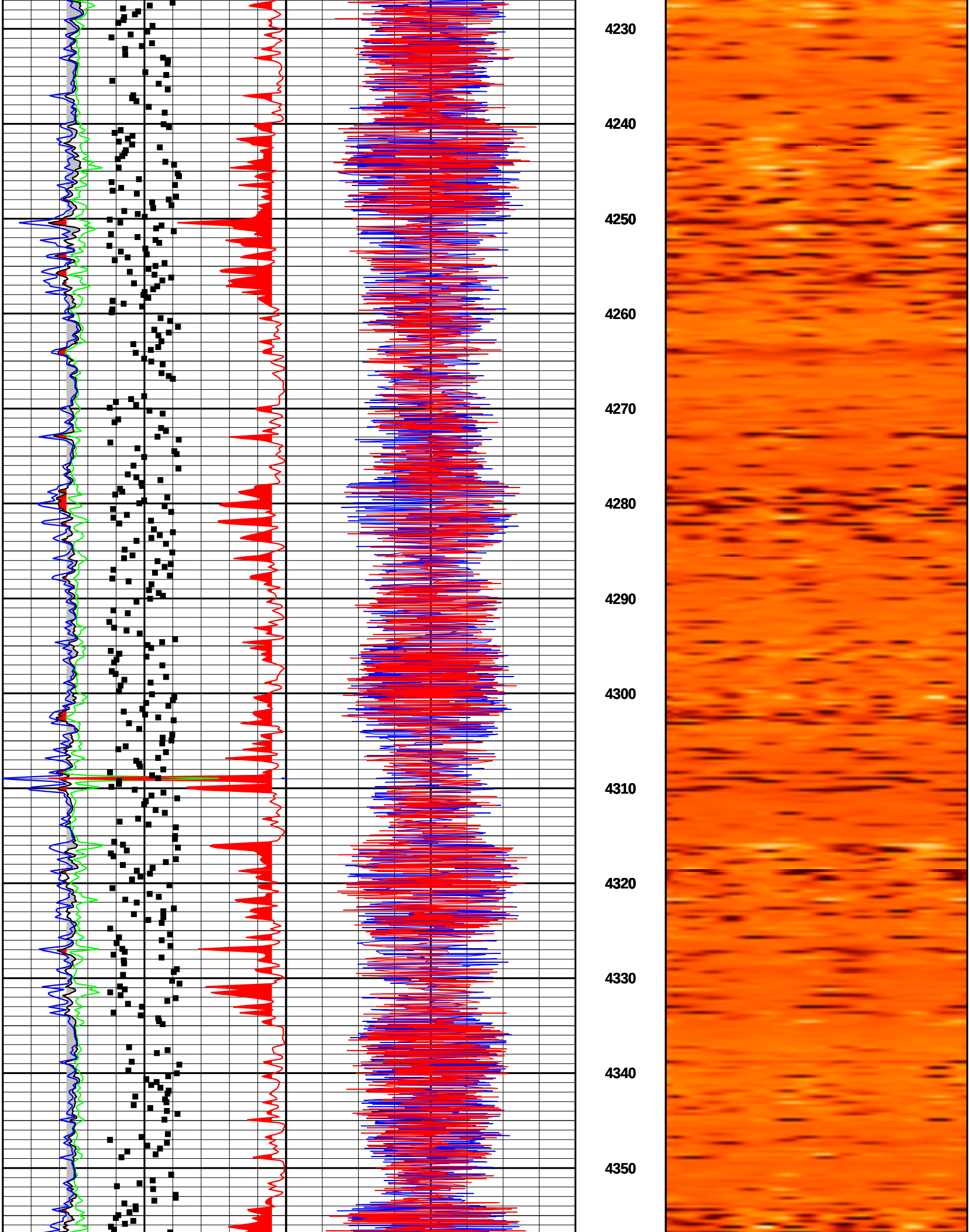
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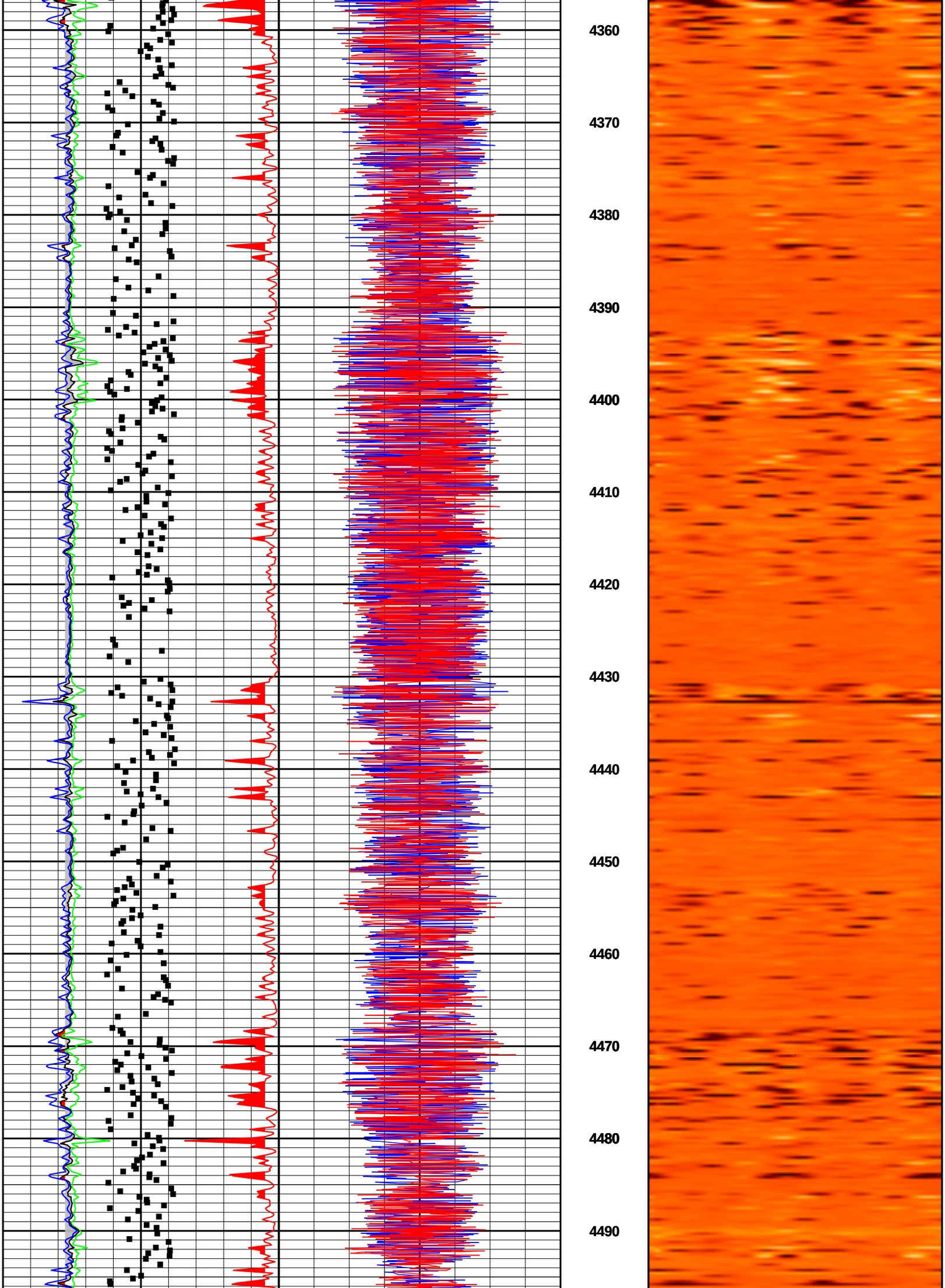
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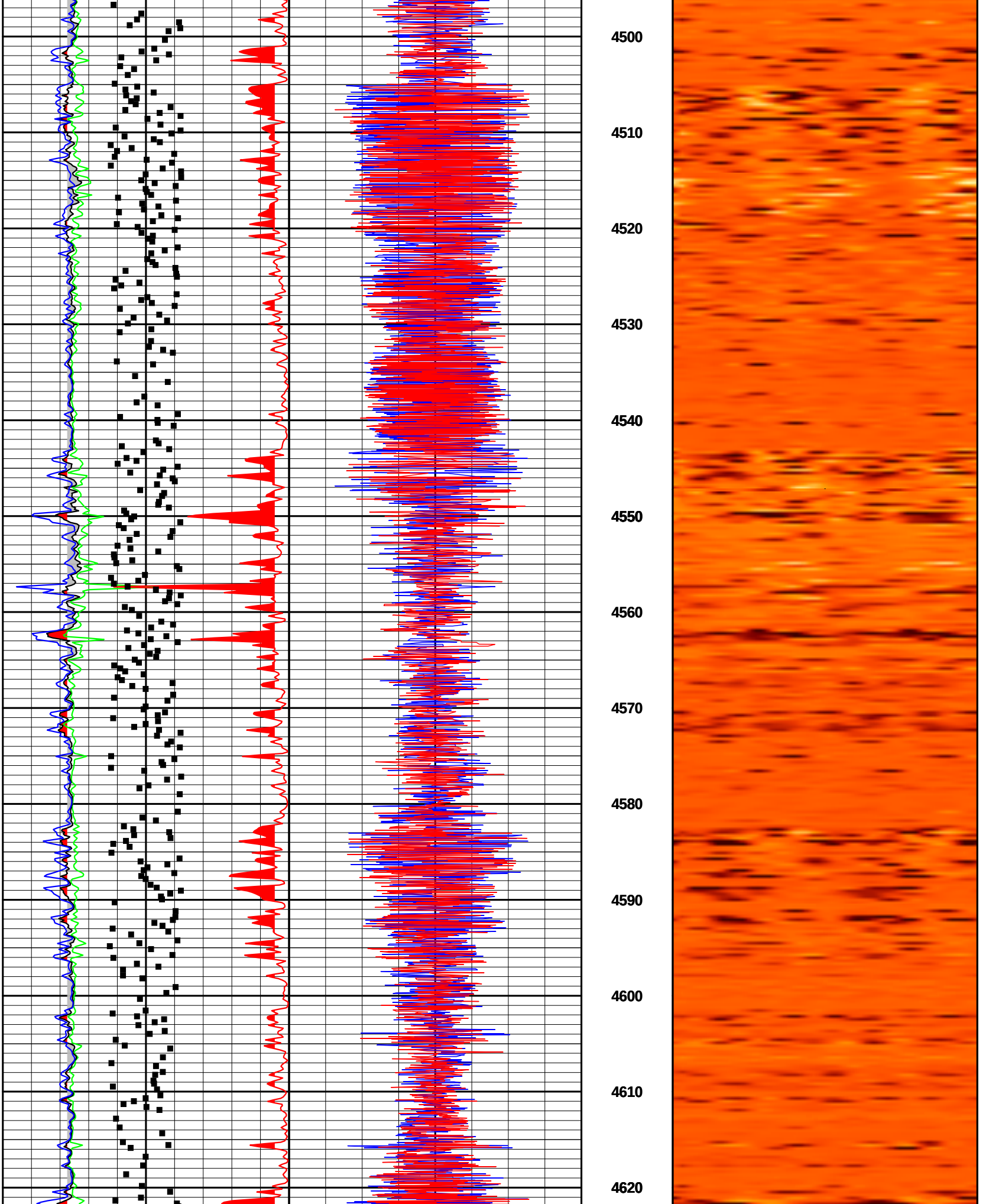
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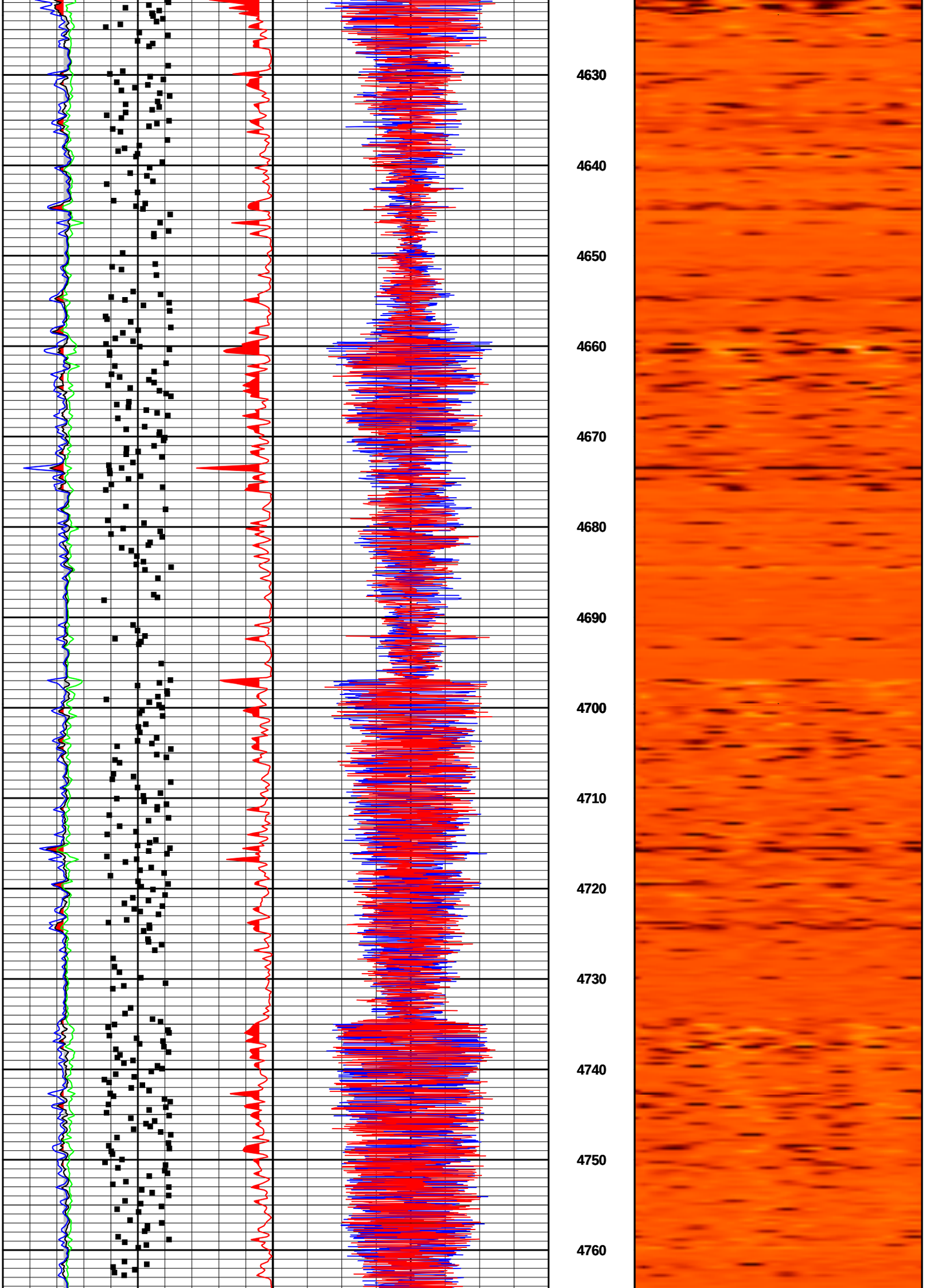
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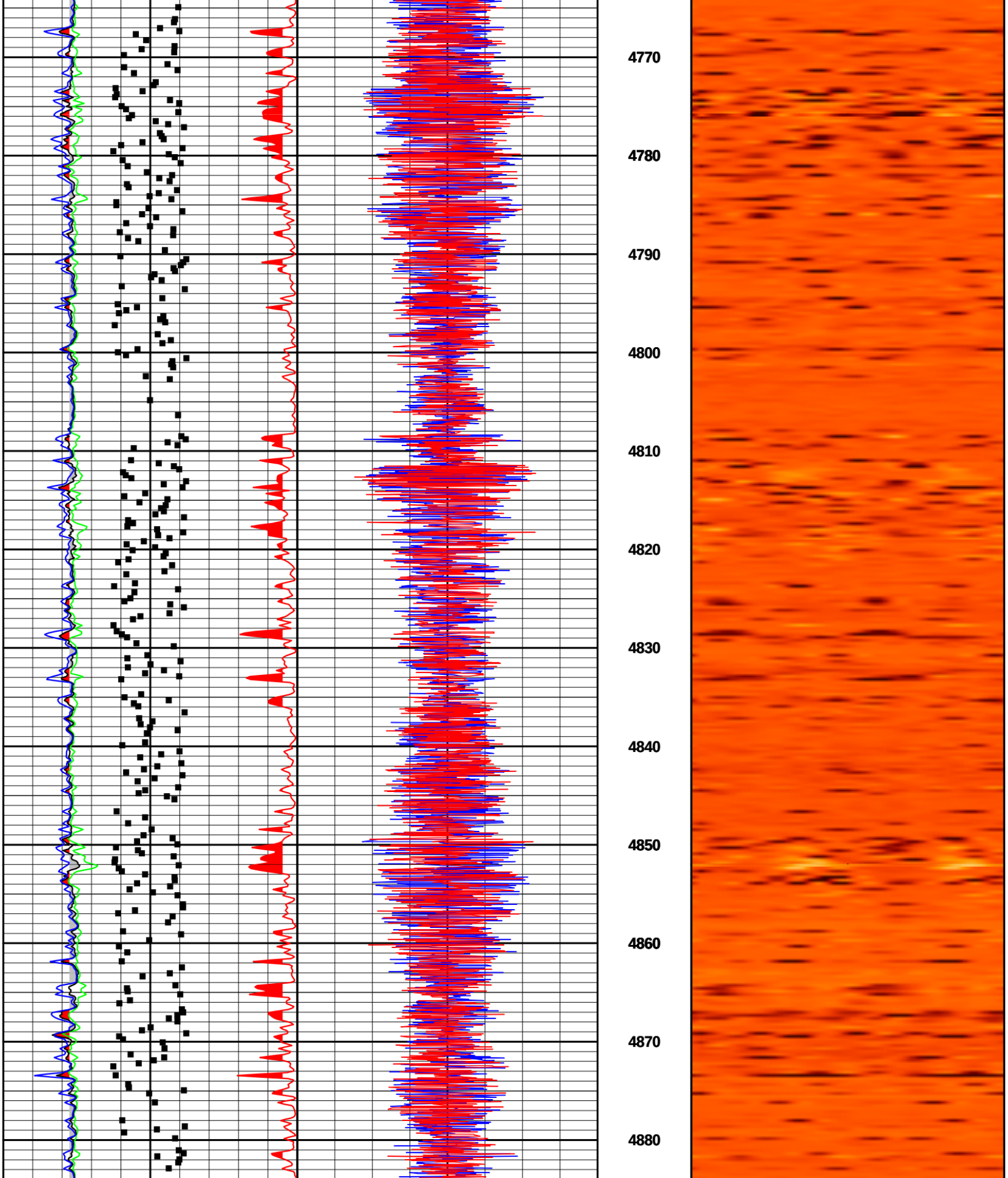
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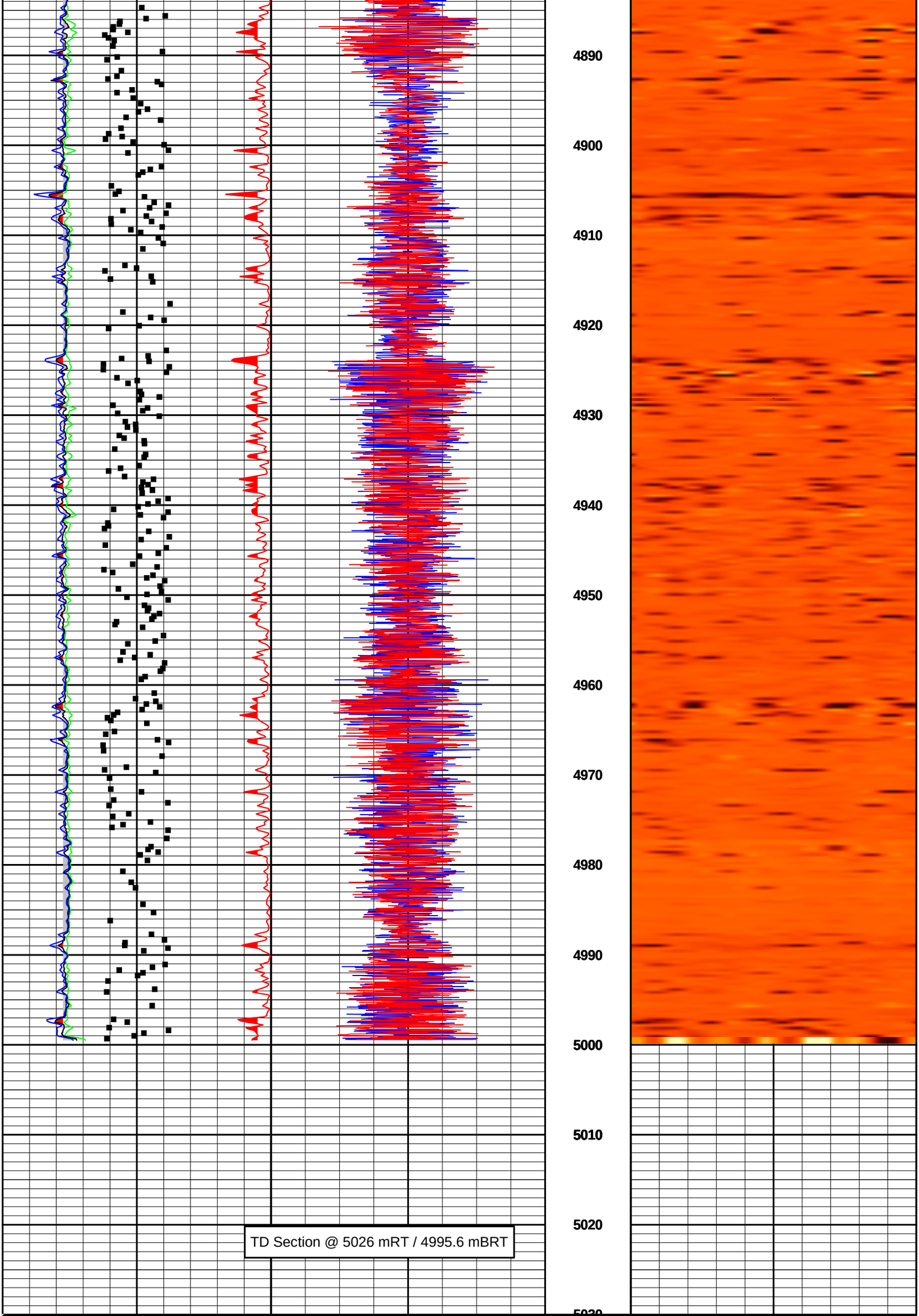
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5000
5010
5020
TD Section @ 5026 mRT / 4995.6 mBRT

XCAL Maj Axis Orientation

-180 degrees 180

XCAL Tool Displacement X

-2 inches 2

1 : 500

Depth

m

XCAL Radius Array

N E S W N

5.5 inches 7

XCAL Ellipticity

0.5 0

XCAL Tool Displacement Y

-2 inches 2

XCAL Hole Diameter

10 inches 20

XCAL Min Ellipse Diameter

10 inches 20

XCAL Max Ellipse Diameter

10 inches 20