HIFI MiQro®
SURFACE CASING VENT FLOW
GAS MIGRATION
SOURCE IDENTIFICATION

VOLTAGE WIRELINE INC.

Company	ABC Oil & Gas Corporation		
Well	ABC X-XX-XX-X		
Field	ABC	State	Alberta
County		Country	Canada

Location: Surface: X-XX-XX-XW4
UWI: 100/0X-XX-XXX-XXW4/00 License: 0XXXXX

SEC: XX-XX TWP: XXX RGE: XXW4 | UWI no. Surface: X-XX-XX

Permanent Datum: G.L. Elev: 453.1m | K.B.: 457.2m

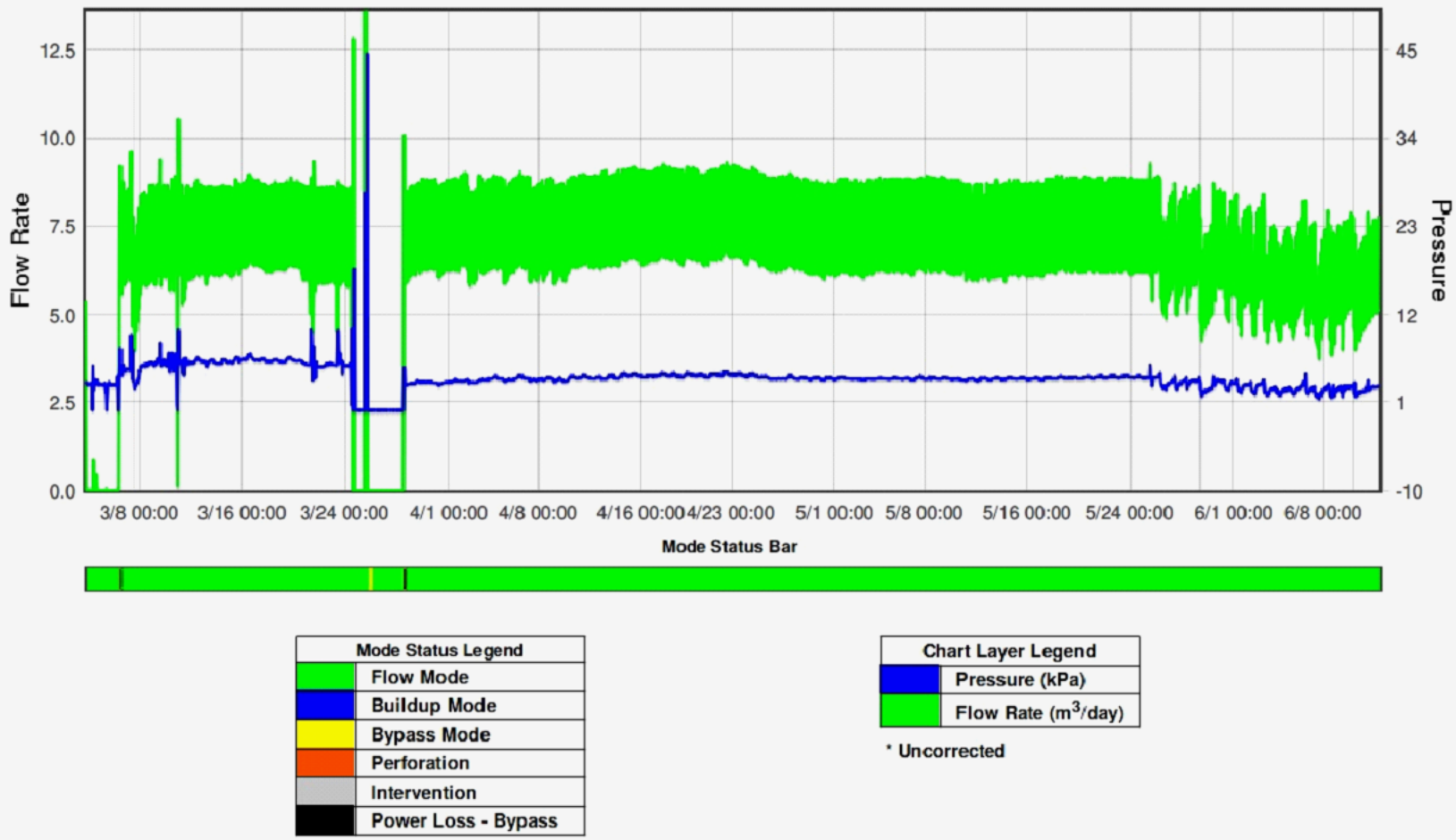
Log Measured From: K.B. - 4.1m above perm. Datum | Elev: D.F.:

Drilling Measured From: K.B. | G.L.: 453.1m

Example Well XX-XX-XXX-XXW4

Date	Mar. 20, 20XX		
Run No.	1	2	3
Depth-Driller	482.0 mKB		
Depth-Logger	435.5mKB		
Bottom-Logged Interval	Surface		
Top-Logged Interval	435.5mKB		
Casing-Driller	244.5mm @ 165mKB	177.8mm @ 582mKB	
Casing-Logger			
Bit Size			
Type Fluid in Hole	Water/Oil@ Full		
Dens. | Visc.			
PH | Fluid Loss			
Source Of Sample			
RM @ Meas. Temp			
RMF @ Meas. Temp			
RMC @ Meas. Temp			
Source Rmf|RMC			
RM@BHT			
Max. Rec. Temp.	11.0 degC		

VENTMETER™



VentMeter™ Data Tables

Peak Surface Casing CH_4 Concentration	91% Volume
Background Atm. CH_4 Concentration	2ppm
Report Dataset Range	
Time on Flow	2345.966820 hr
Time on Bypass	7.366667 hr
Time on Buildup	0.033333 hr

Flow Rate	Max. flow rate (m^3/day)	12.500286

Flow Rate	Max. flow rate (m^3/day)	13.599226
	Avg. flow rate (m^3/day)	6.857740

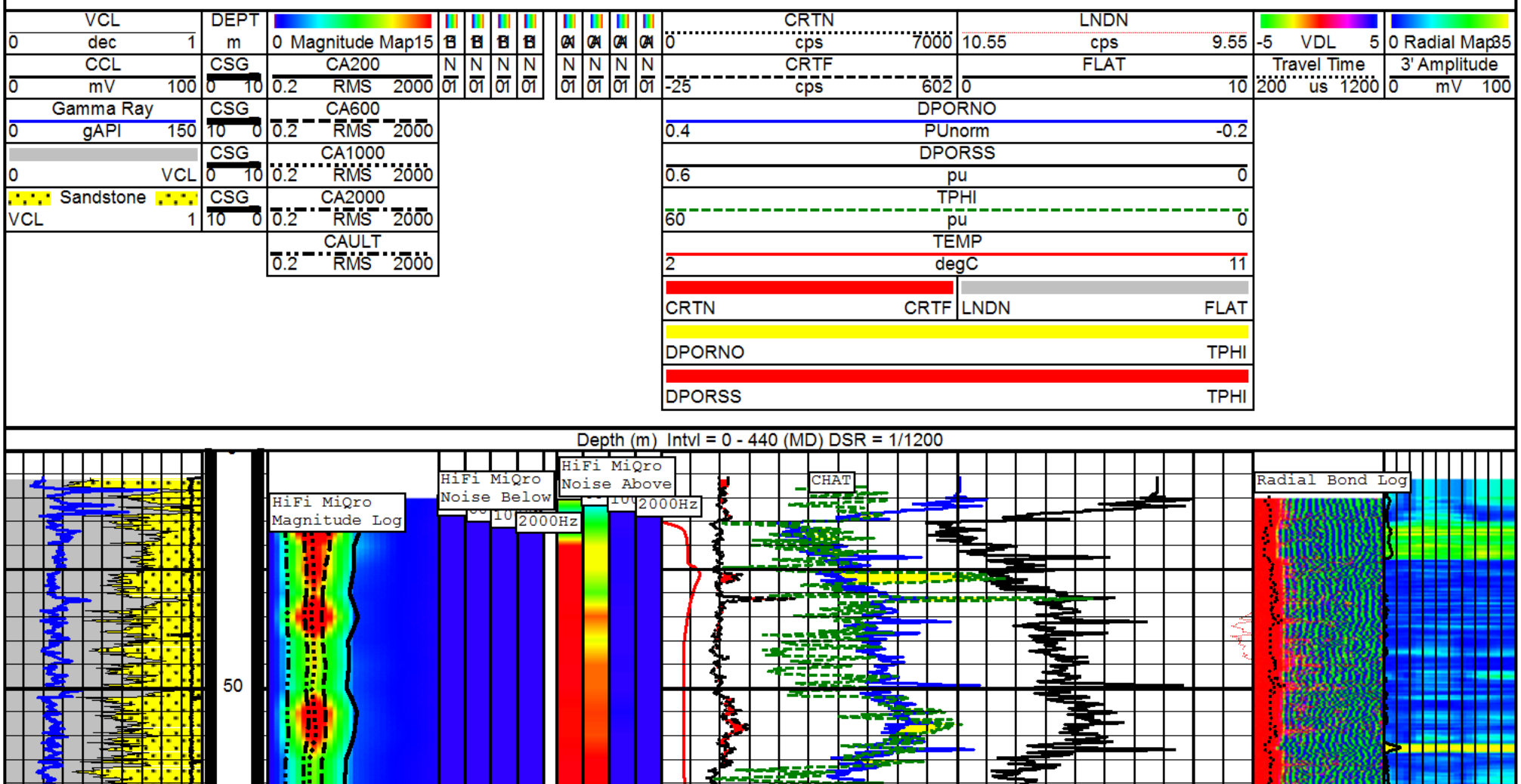
Pressure	Min. presssure (kPa)	-0.003153
	Max. presssure (kPa)	44.672150
	Max. Leak off pressure gradient (kPa/m)	0.241471

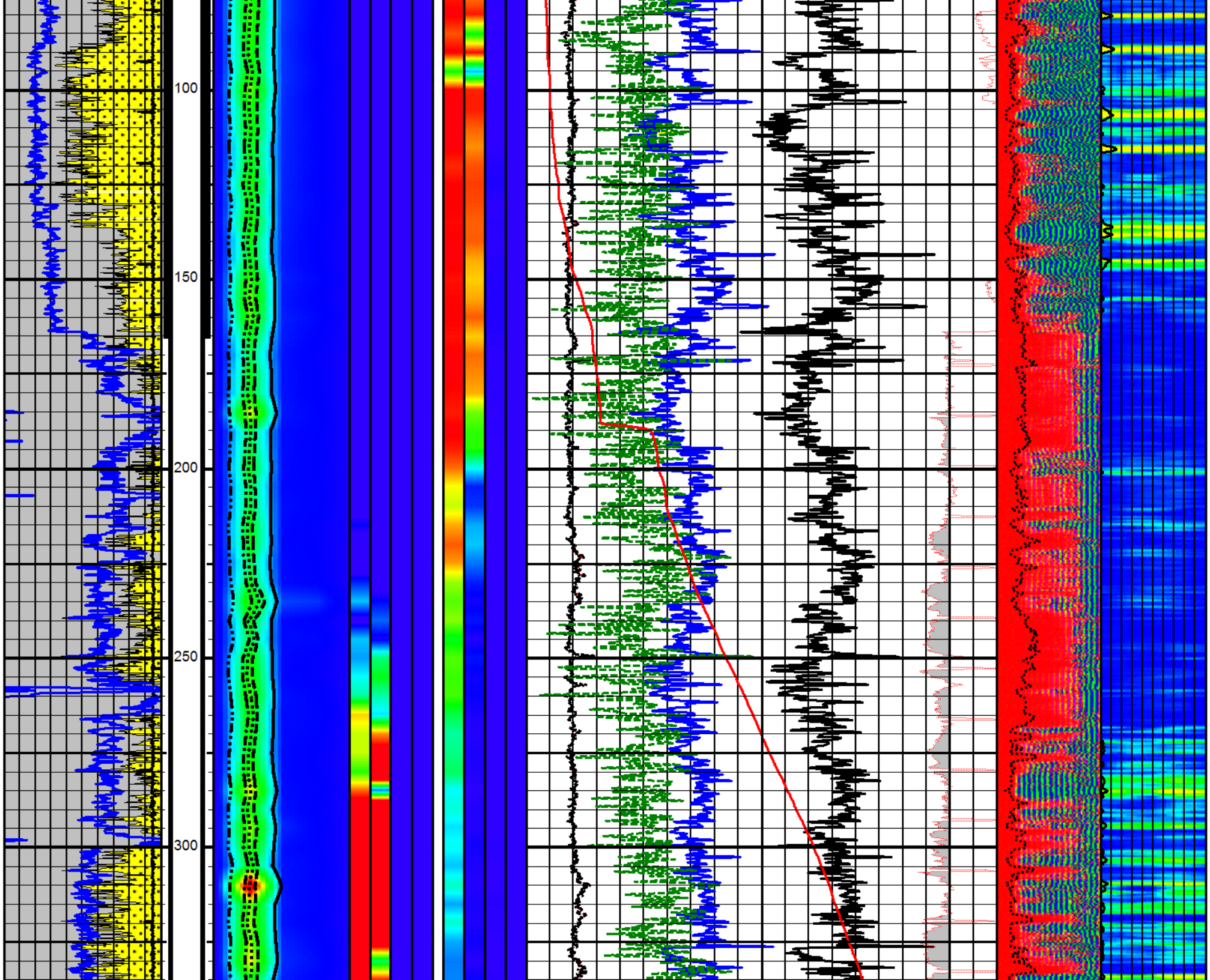
Curve - Description

VCL - Shale Volume
GR - Natural Gamma Ray
CCL - Collar Locator
TEMP - Wellbore Temperature
CSG_# - Surface Casing Diagram
CA200 - Sensor A 200 Hertz
CA600 - Sensor A 600 Hertz
CA1000 - Sensor A 1000 Hertz
CA2000 - Sensor A 2000 Hertz
CAULT - Sensor A Ultrasonic
NIL - Null Data Cutoff
BE200 - Noise From Below 200 Hertz
BE600 - Noise From Below 600 Hertz
BE1000 - Noise From Below 1000 Hertz
BE2000 - Noise From Below 2000 Hertz
AB200 - Noise From Above 200 Hertz
AB600 - Noise From Above 600 Hertz
AB1000 - Noise From Above 1000 Hertz
AB2000 - Noise From Above 2000 Hertz
AOI - Area of Interest
CRTN - Near Thermal Counts
CRTF - Far Thermal Counts
DPORSS - Density Porosity Sandstone
DRAT - Density Ratio
TPHI - Thermal Neutron Porosity
LNDN - Natural Log of Near Counts
FIVE - Five foot VDL

TT7mpa - 7 MPa pressure 3ft Travel Time
MAP - Radial Map
AMP0mpa - 0 MPa 3ft Amplitude
AMP7mpa - 7 MPa 3ft Amplitude

ALL INTERPRETATIONS ARE OPINIONS BASED ON ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE FOR ANY LOSS, COST, DAMAGES OR EXPENSE INCURRED OR SUSTAINED BY ANYONE RESULTING FROM ANY INTERPRETATIONS MADE BY ANY OF OUR OFFICERS, AGENTS, OR EMPLOYEES.

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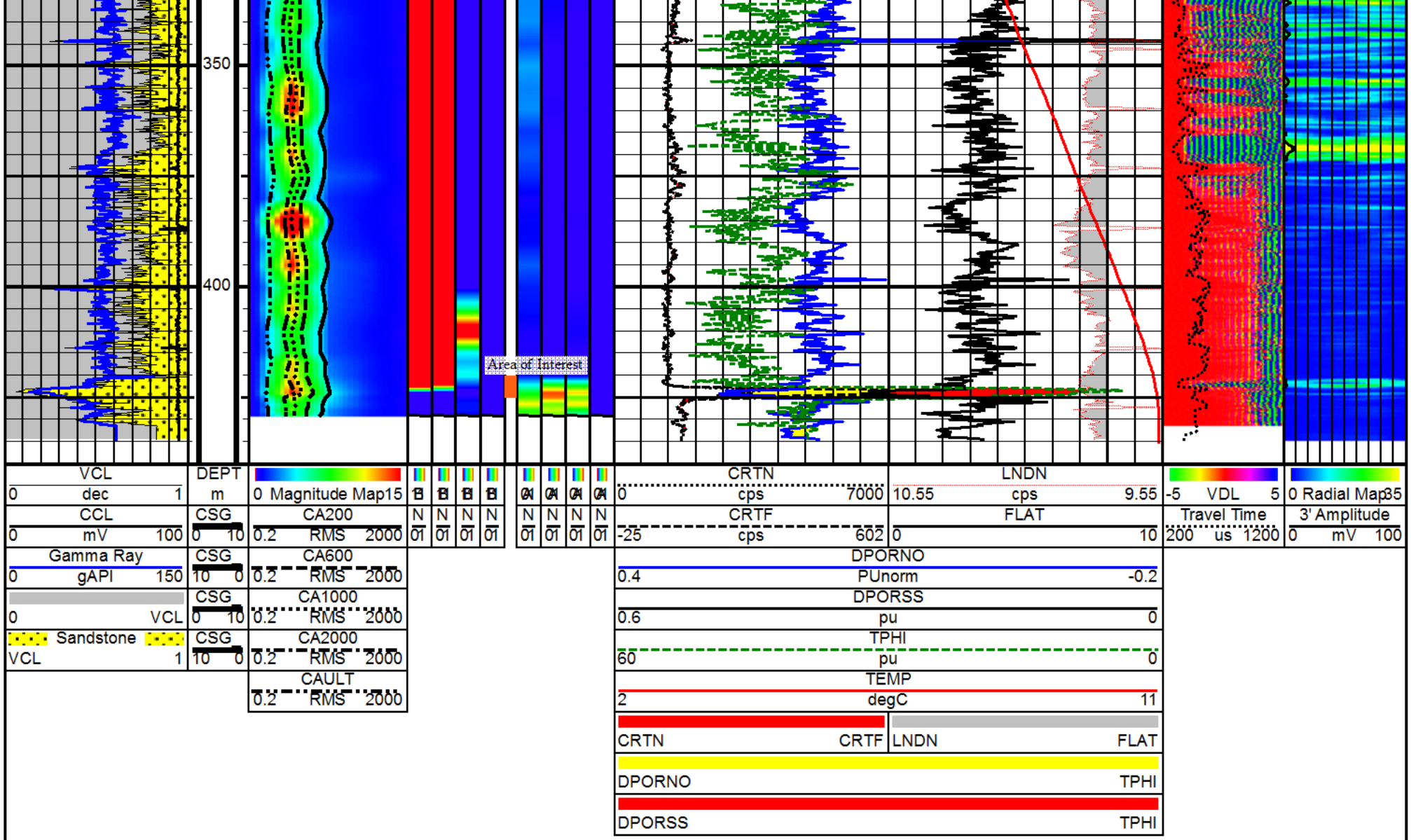
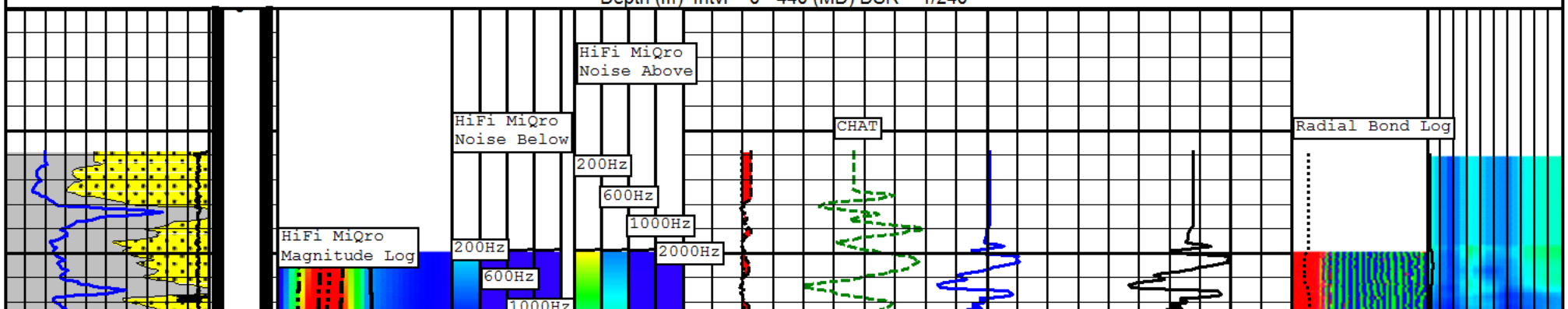
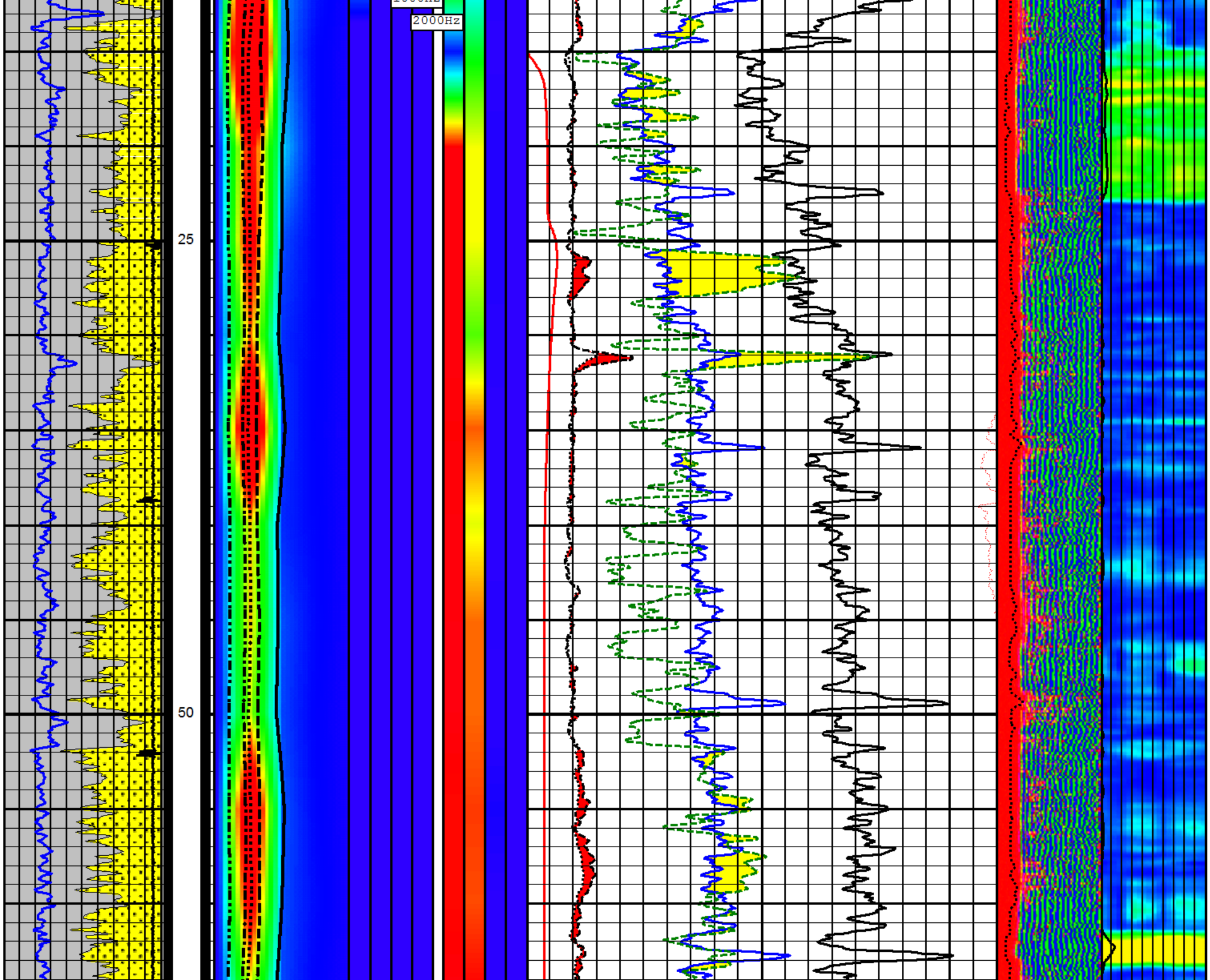


Depth (m) Intvl = 0 - 440 (MD) DSR = 1/240

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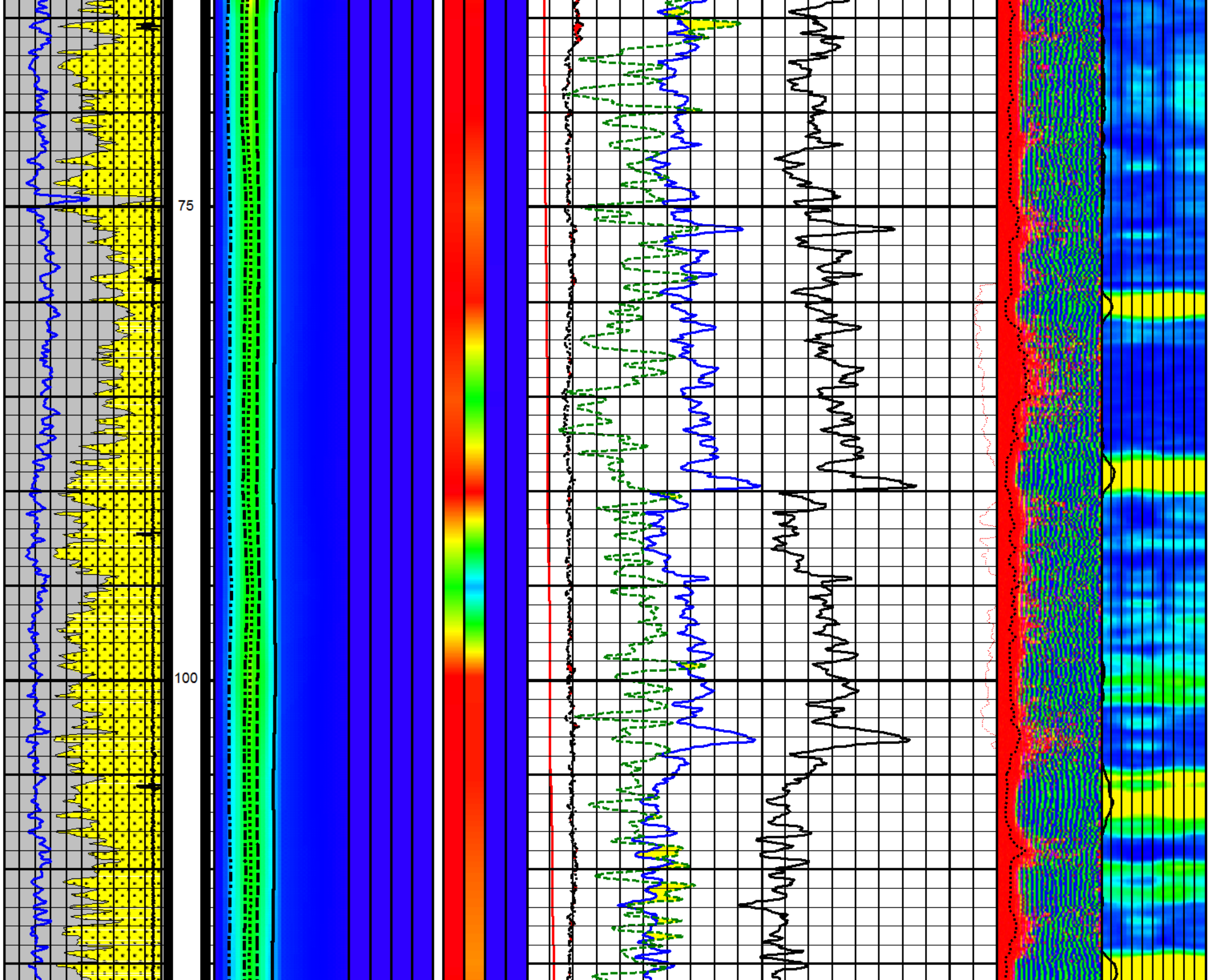
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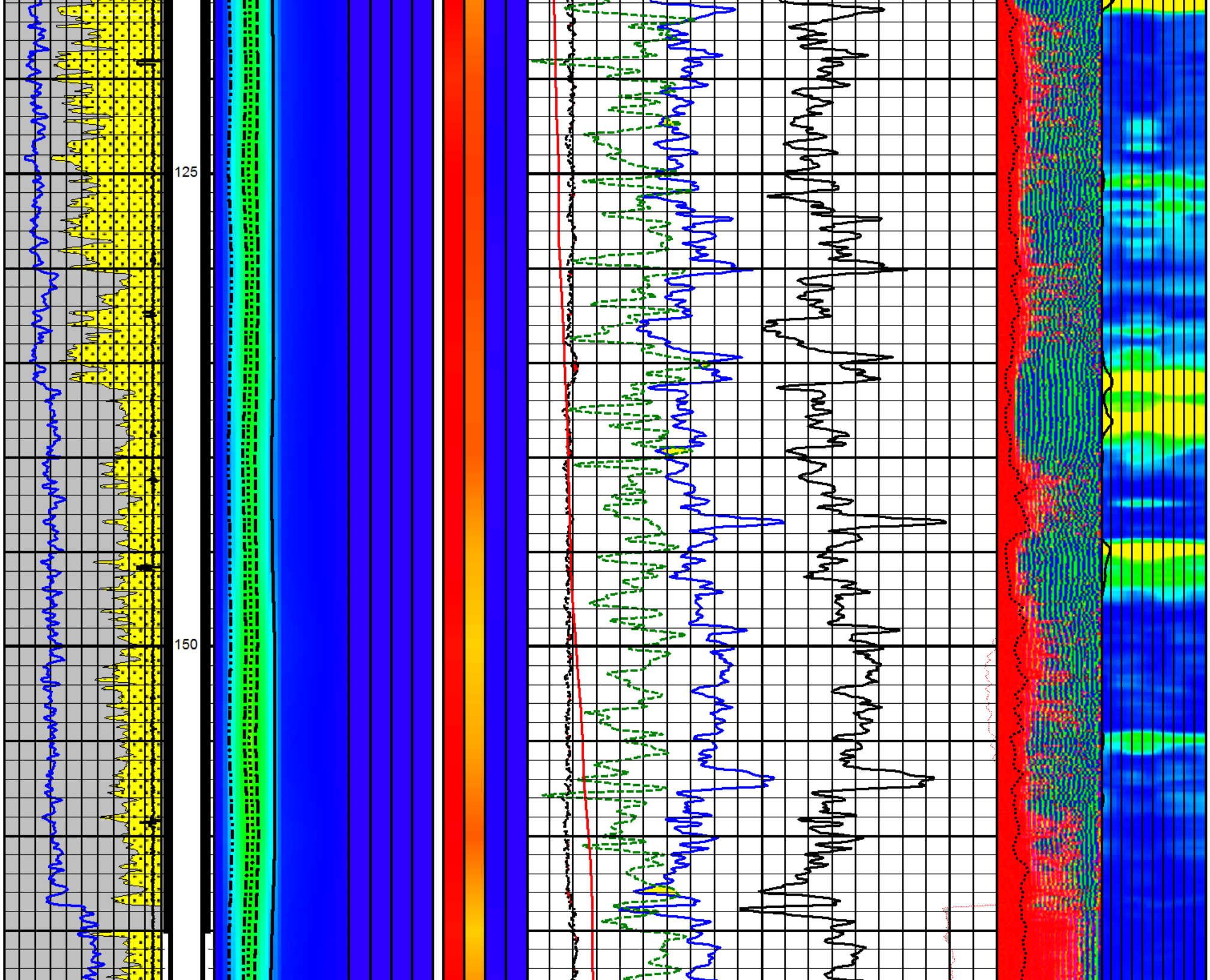
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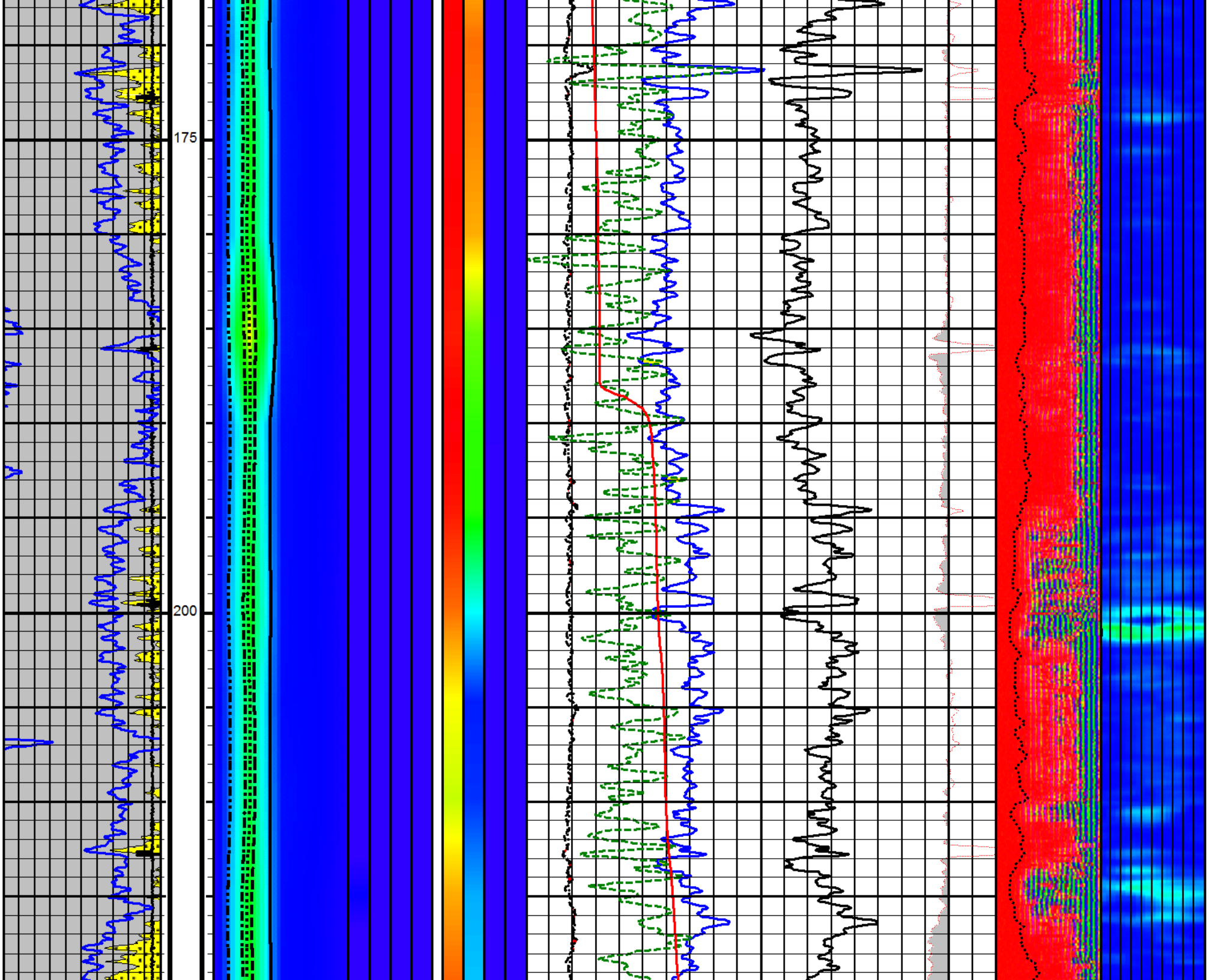
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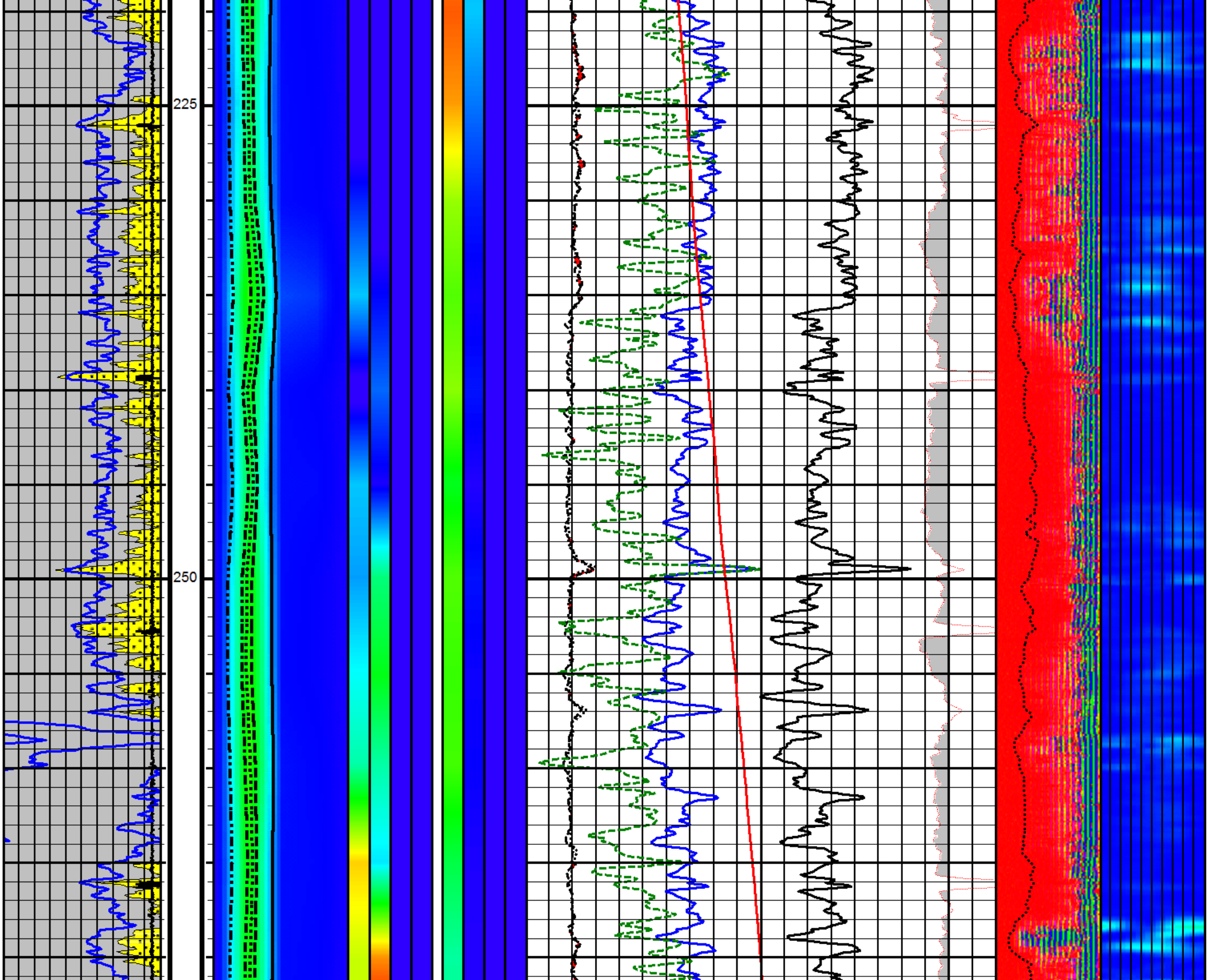
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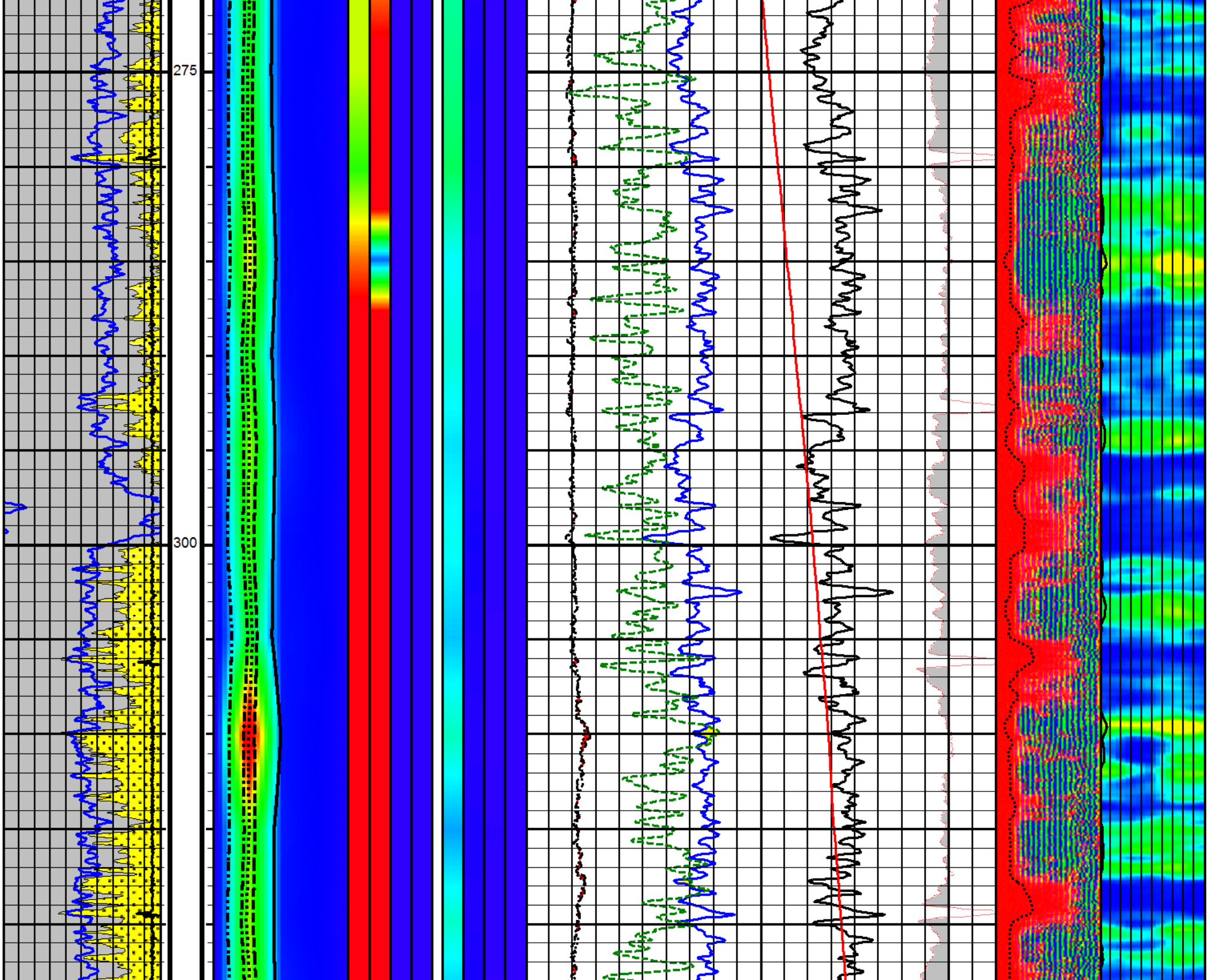
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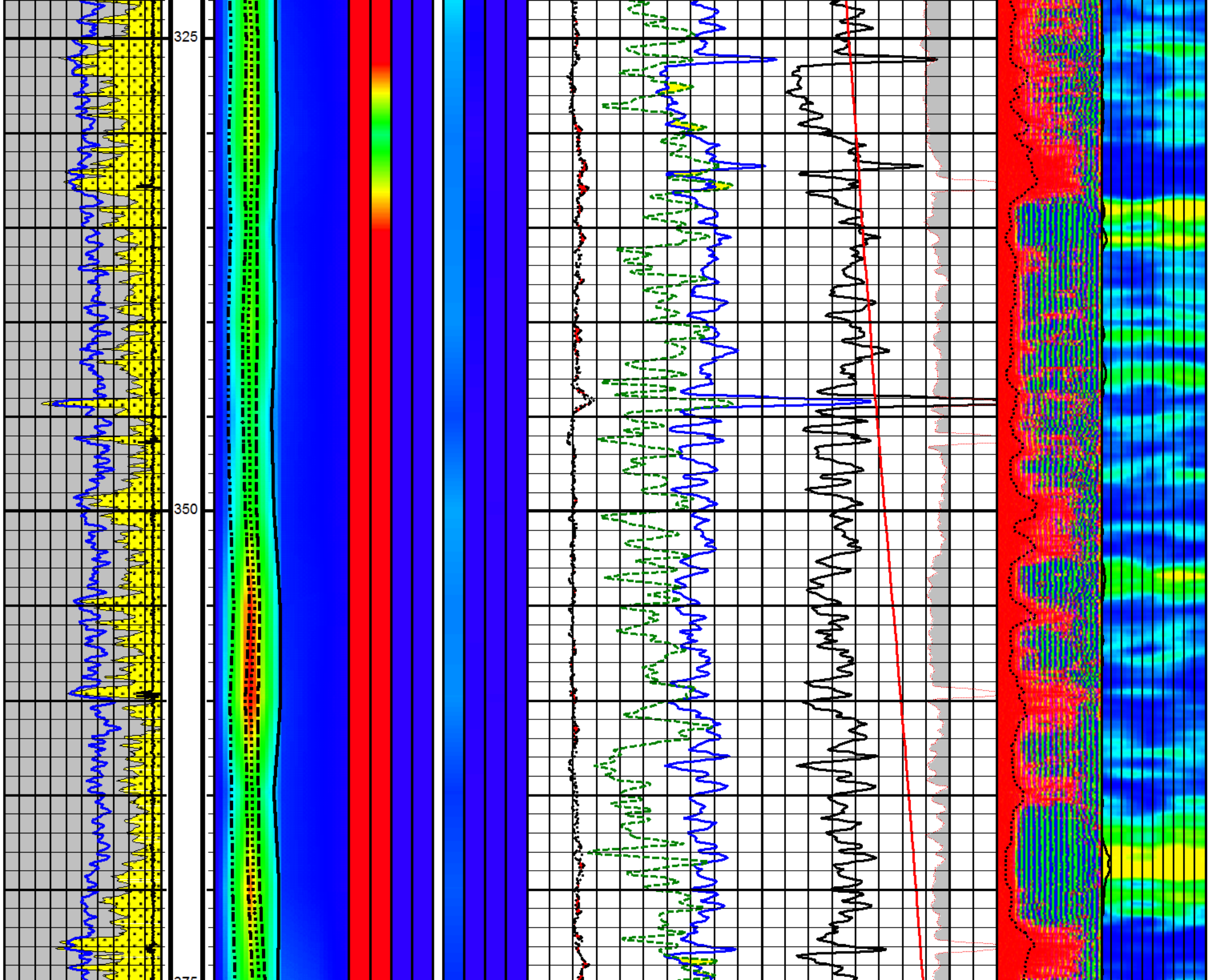
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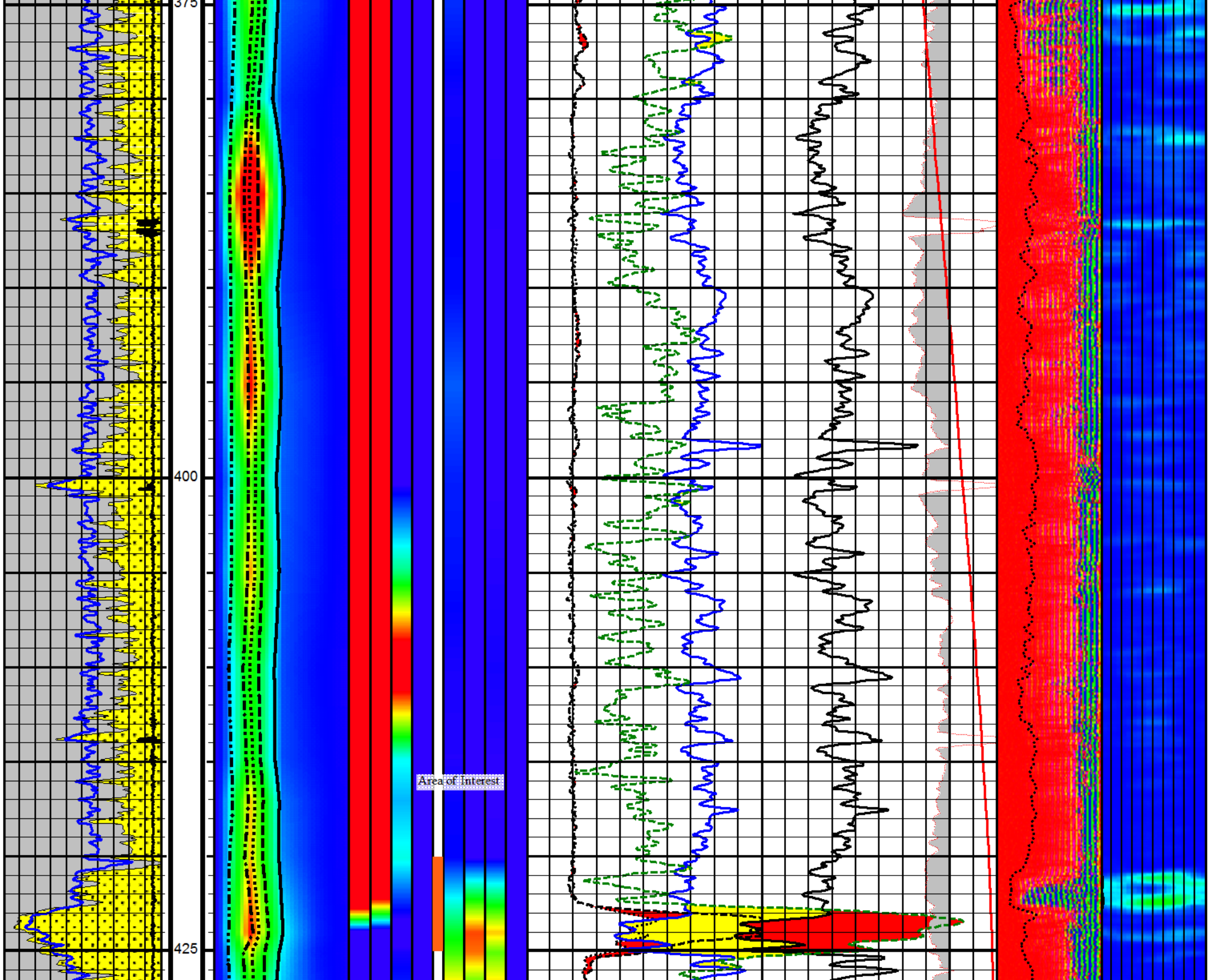
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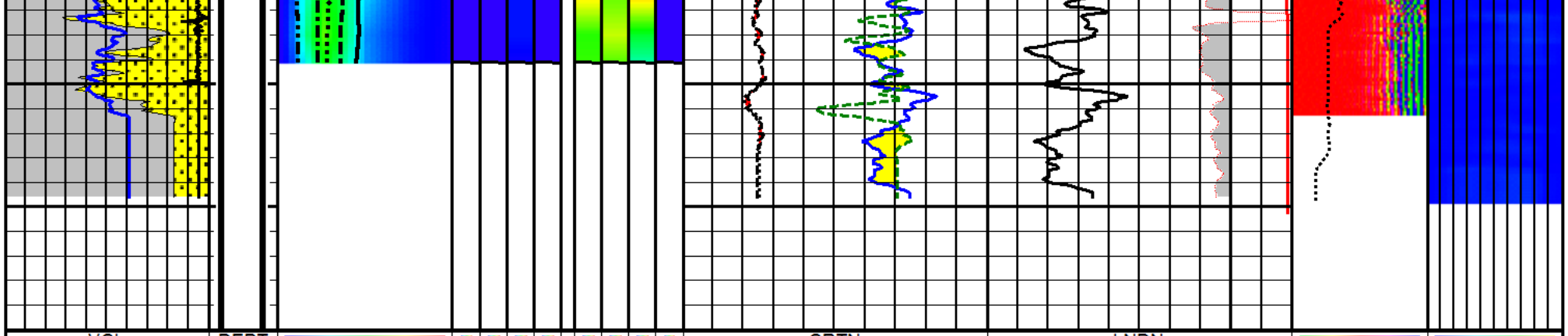
Area of Interest


VCL
0 dec 1
CCL
0 mV 100
Gamma Ray
0 gAPI 150
0 VCL
Sandstone
VCL 1
DEPT
m
CSG
0 10
CSG
10 0
CSG
0 10
CSG
10 0
0 Magnitude Map15
CA200
0.2 RMS 2000
CA600
0.2 RMS 2000
CA1000
0.2 RMS 2000
CA2000
0.2 RMS 2000
CAULT
0.2 RMS 2000
CRTN
0 cps 7000
CRTF
-25 cps 602
LNDN
10.55 cps 9.55
FLAT
0 10
DPORNO
0.4 PUnorm -0.2
DPORSS
0.6 pu 0
TPHI
60 pu 0
TEMP
2 degC 11
CRTN CRTF
LNDN FLAT
DPORNO TPHI
DPORSS TPHI
-5 VDL 5
Travel Time
200 us 1200
0 Radial Map35
3' Amplitude
0 mV 100

ABC X-XX-XX-X