

Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-02048
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Union
8. Well Number 1
9. OGRID Number 7377
10. Pool name or Wildcat Vacuum; Grayburg-San Andres

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☐ Gas Well ☐ Other P&A ☐	
2. Name of Operator EOG Resources, Inc.	
3. Address of Operator 104 South Fourth Street, Artesia, NM 88210	
4. Well Location Unit Letter <u>C</u> : <u>660</u> feet from the <u>North</u> line and <u>1980</u> feet from the <u>West</u> line Section <u>17</u> Township <u>17S</u> Range <u>34E</u> NMPM Lea County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4093'GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☒
CASING/CEMENT JOB ☐ PNR ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

9/15/23 – MIRU and NU BOP.

9/18/23 – RIH with GR and JB to 4650'. Set a CIBP at 4617'. RIH and confirmed CIBP in place, good. Tagged CIBP. Spotted 25 sx Class "C" cement on top of CIBP to 4374' calc TOC. Ran CBL from 4000' up to surface. Emailed CBL to Kerry Fortner with NMOCD-Hobbs and texted daily progress.

9/19/23 – Tagged TOC 4471'. Spotted a 30 sx Class "C" cement plug from 3888'-3650', tagged. Perforated at 2730'. Held 500 psi. Perforations holding good. Spotted a 30 sx Class "C" cement plug from 2789'-2493' calc TOC. Texted Kerry Fortner with NMOCD-Hobbs with update.

9/20/23 – Tagged TOC 2465'. Perforated at 1726'. Tested to 500 psi, good. Squeezed with 61 sx Class "C" cement from 1726'-1499' calc TOC. RIH to 1807' and did not tag. Pumped 20 bbls brine to clear perms at 1726'. Re-squeezed with 61 sx Class "C" cement from 1726'-1499' calc TOC. Displaced with 10.1 bbls brine. Texted Kerry Fortner with NMOCD.

9/21/23 – Tagged TOC 1445'. Perforated at 450'. Pressure tested casing. Capacity to perforation 10 bbls. Pumped a total of 25 bbls brine. Injection rate 1.5 BPM at 350 psi. Did not communicate up 8-5/8" casing. As per Kerry Fortner with NMOCD squeeze with 47 sx cement, displace to 200' from surface. WOC and then perforate at 150' from surface at water zone. Squeezed with 47 sx Class "C" cement from 450'-200' calc TOC. Displaced with 4.7 bbls brine. Tagged TOC 260'. Perforated at 150'. Pumped down 5-1/2" casing and broke circulation through 8-5/8" casing. Squeezed with 37 sx Class "C" cement from 150' and circulated up to surface. Texted Kerry Fortner with NMOCD and let him know.

10/3/23 - Cut off wellhead and installed above ground dry hole marker. Cut off anchors and cleaned location. **WELL IS PLUGGED AND ABANDONED.**

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Tina Huerta TITLE Regulatory Specialist DATE October 3, 2023

Type or print name Tina Huerta E-mail address: tina.huerta@eogresources.com PHONE: 575-748-4168
For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 10/11/23
Conditions of Approval (if any):

Union 1		Sec-TWN-RNG: C-17-17S-34E		API: 30-025-02048							
		FOOTAGES: 660 FNL 1980 FWL		GL: 4093							
				KB:							
Plug 6	A	CASING DETAIL									
		#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
		A	11	8 5/8	20		0	400	150	Circ	circ
		B	7 7/8	5 1/2	15.5	J-55	0	4,910	300	3000	calc
Plug 5		FORMATION TOPS									
				Formation	Top						
Plug 4				Anhydrate	1565						
				T Salt	1676						
				B Salt	2680						
				Queen	3838						
Plug 3				San Andres	4625						
TOC: 3000'		#	sx	Class	Top	Bottom	Tag	Notes			
Plug 2		1	25	C	4471	4617	Y	CIBP			
		2	30	C	3650	3888	Y				
		3	30	C	2465	2789	Y	Perforate 2730'			
		4	122	C	1445	1726	Y	Perforate 1726'			
		5	47	C	260	450	Y	Perforate 450'			
		6	37	C	0	150	N	Perforate 150'			
Plug 1											
Perf A	B	Perforation Detail									
			Formation	Top	Bottom		Treatment				
		A	San Andres	4,667	4,677	2spf	Acidized w/ 2500 gal 15% reg. Acid				
TD 4,970		10/3/23									



**Radial Cement Bond
Gamma Ray / CCL
Log**

Company		EOG Resources		Location:		API # :		Other Services	
Well		Union #1		Field		Union #1			
County		Lea		State		New Mexico			
Field				SEC -		TWP -		RGE -	
County		Lea		State		New Mexico			
Location:		Permanent Datum		GL		Elevation		-	
Log Measured From		KB		Elevation		-		K.B. -	
Drilling Measured From		Kelly Bushing		Elevation		-		D.F. -	
				Elevation		-		G.L. -	
Date		9-18-2023							
Run Number		One							
Depth Driller		5000'							
Depth Logger		4000'							
Bottom Logged Interval		3999							
Top Log Interval		7.875"							
Open Hole Size		Water							
Type Fluid		-							
Density / Viscosity		-							
Max. Recorded Temp.		-							
Estimated Cement Top		See Log							
Time Well Ready		On Arrival							
Time Logger on Bottom		See Log							
Equipment Number		WL-64							
Location		Hobbs, NM							
Recorded By		M. Acosta							
Witnessed By		Mr. Bobby Trujillo							
Borehole Record		Tubing Record							
From Number		Bit		From		To		Size	
								Weight	
								From	
								To	
Casing Record		Size		Wgt/Ft		Top		Bottom	
Surface String									
Production String									
Liner									

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

*****Thank You for Using JSI Wireline Services*****

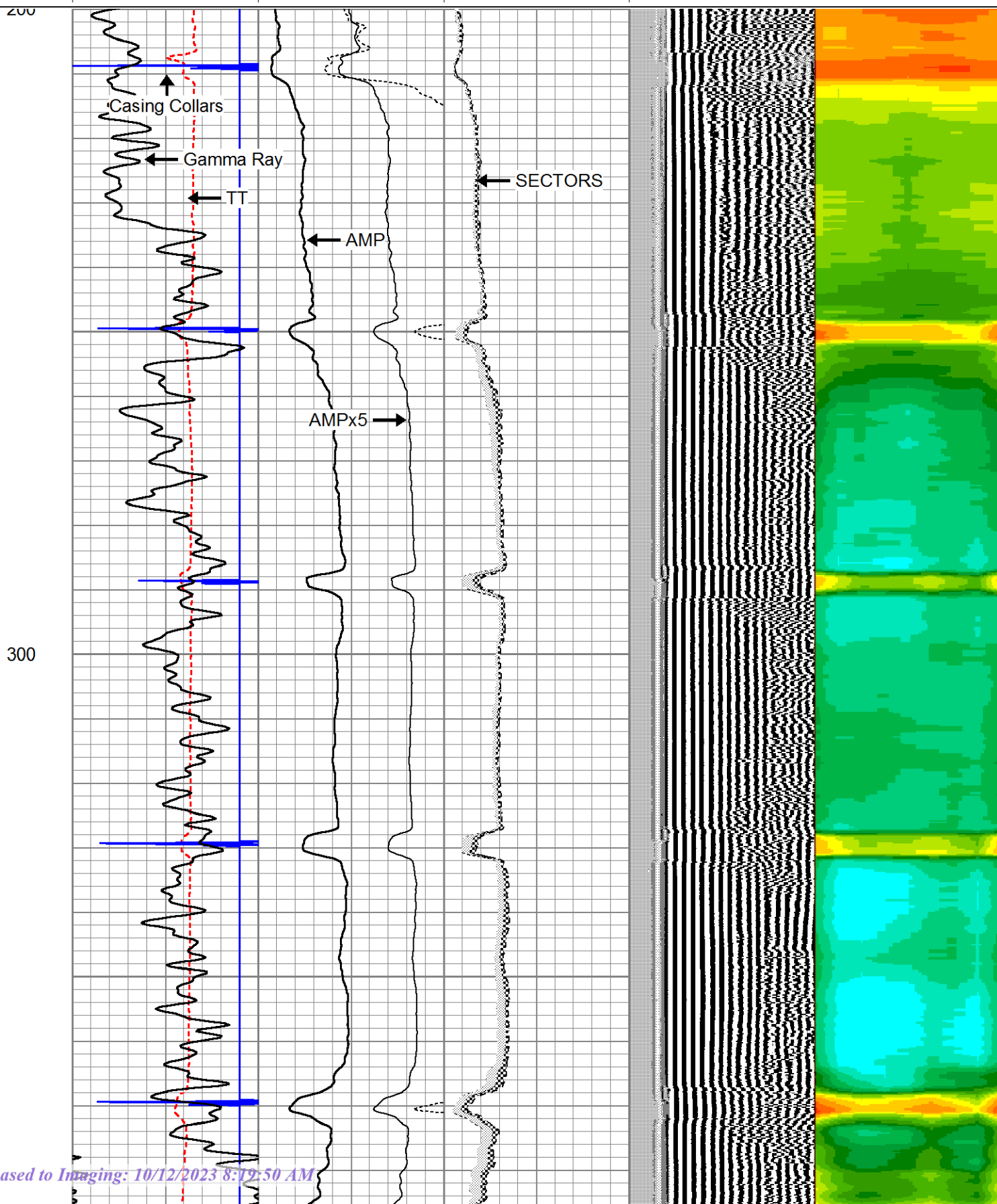


Main Pass

ZERO PSI

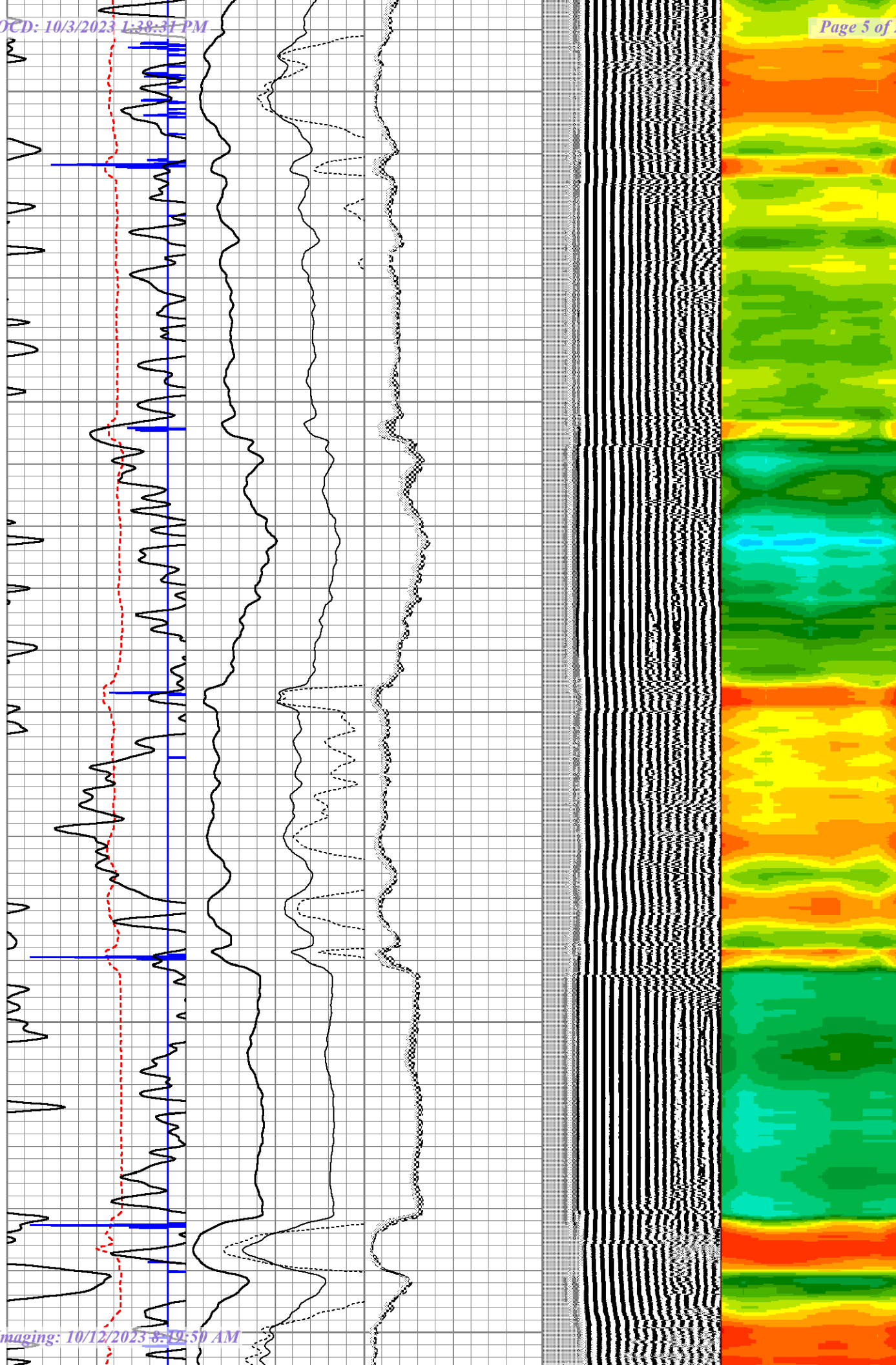
Dataset Pathname pass3
Presentation Format scbl02
Dataset Creation Mon Sep 18 16:55:51 2023
Charted by Depth in Feet scaled 1:240

340	TT (usec)	240	0	AMP (mV)	100	-2	AMPAVG	200	200	VDL (usec)	1200	1	Cement Map	8
-9	CCL	1	0	AMPx5 (mV)	20	-2	AMPMAX	200						
0	GR (GAPI)	120	1	Bond Index	0	-2	AMPMIN	200						



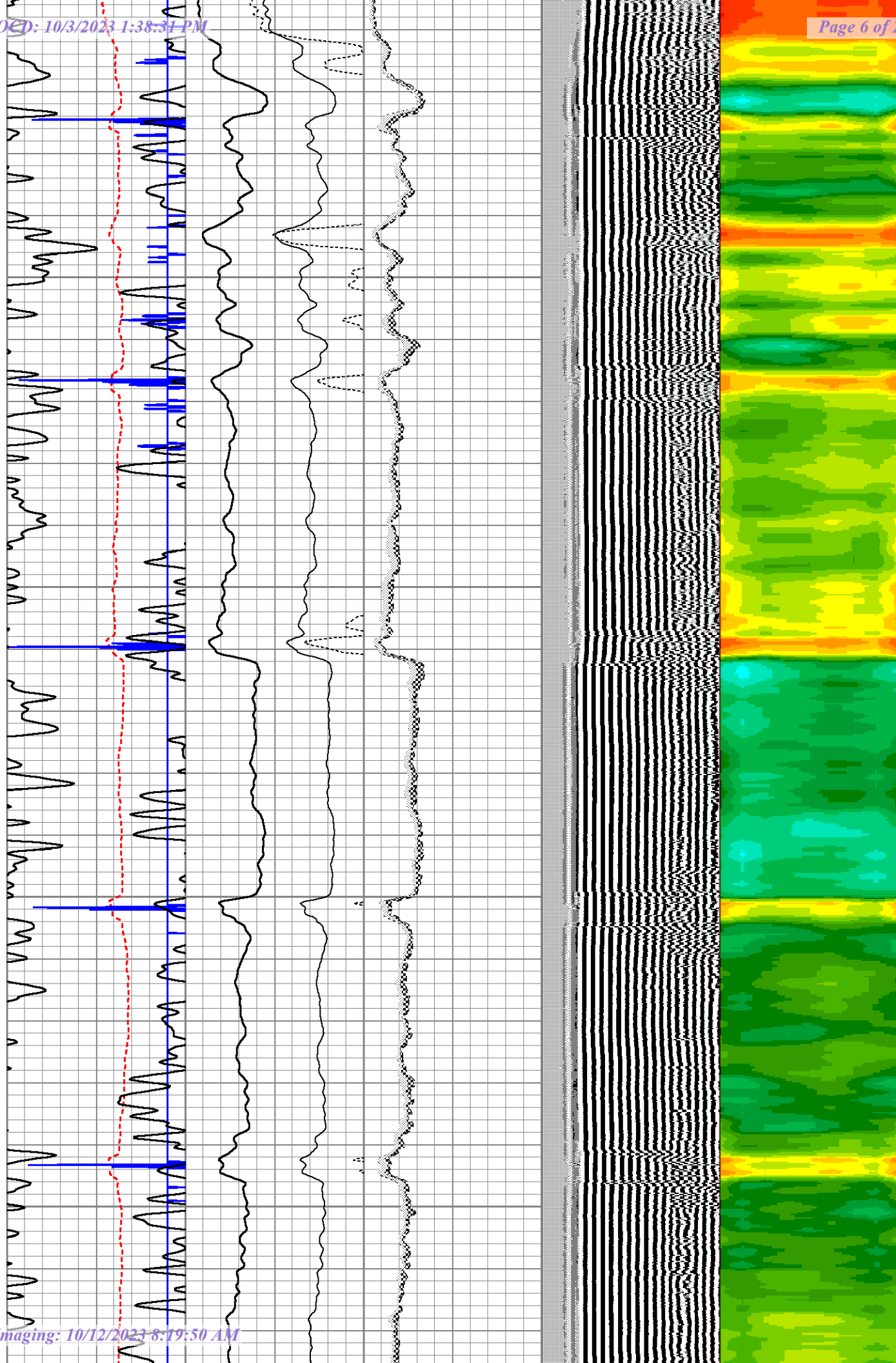
400

500



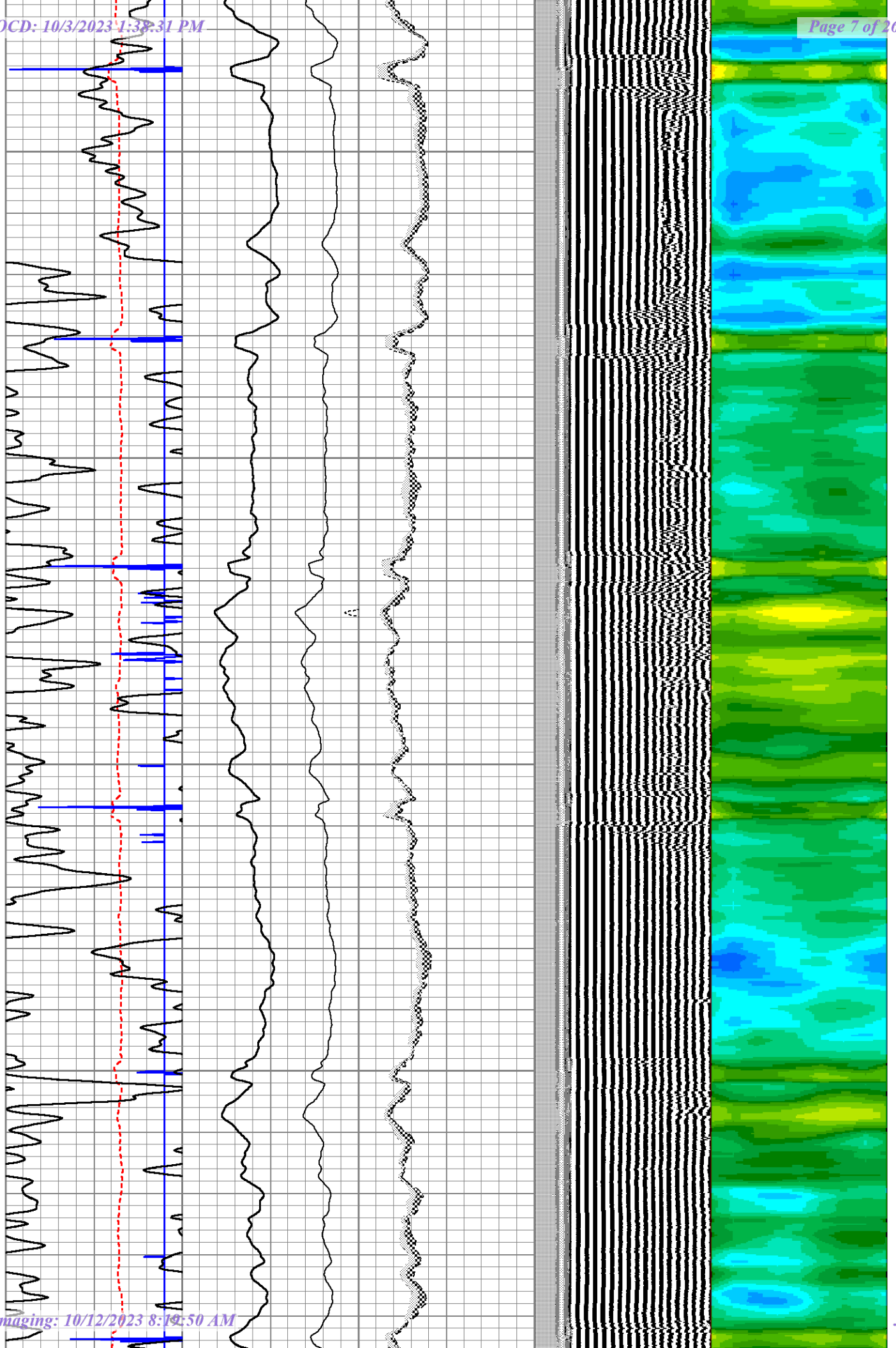
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800



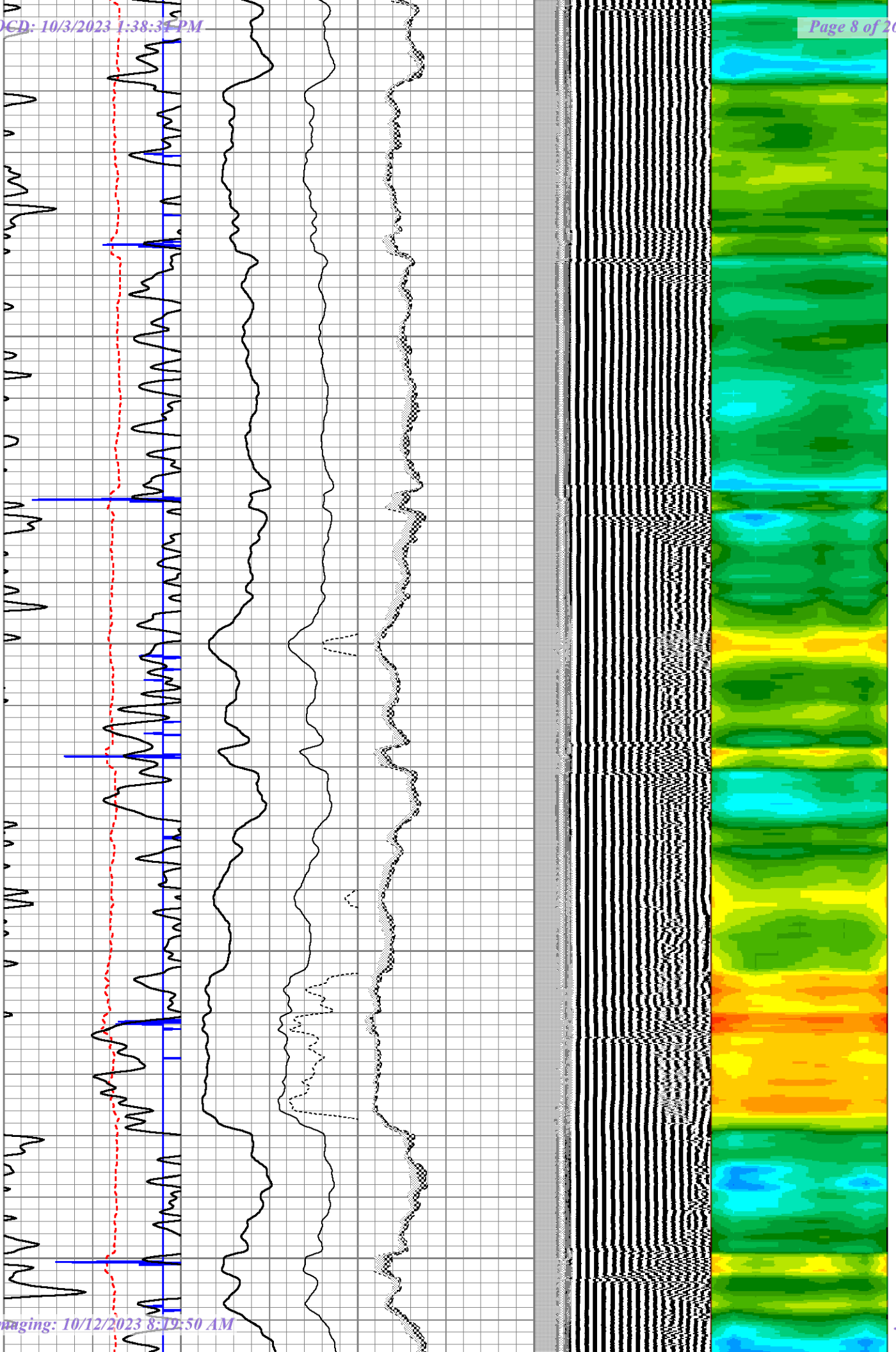
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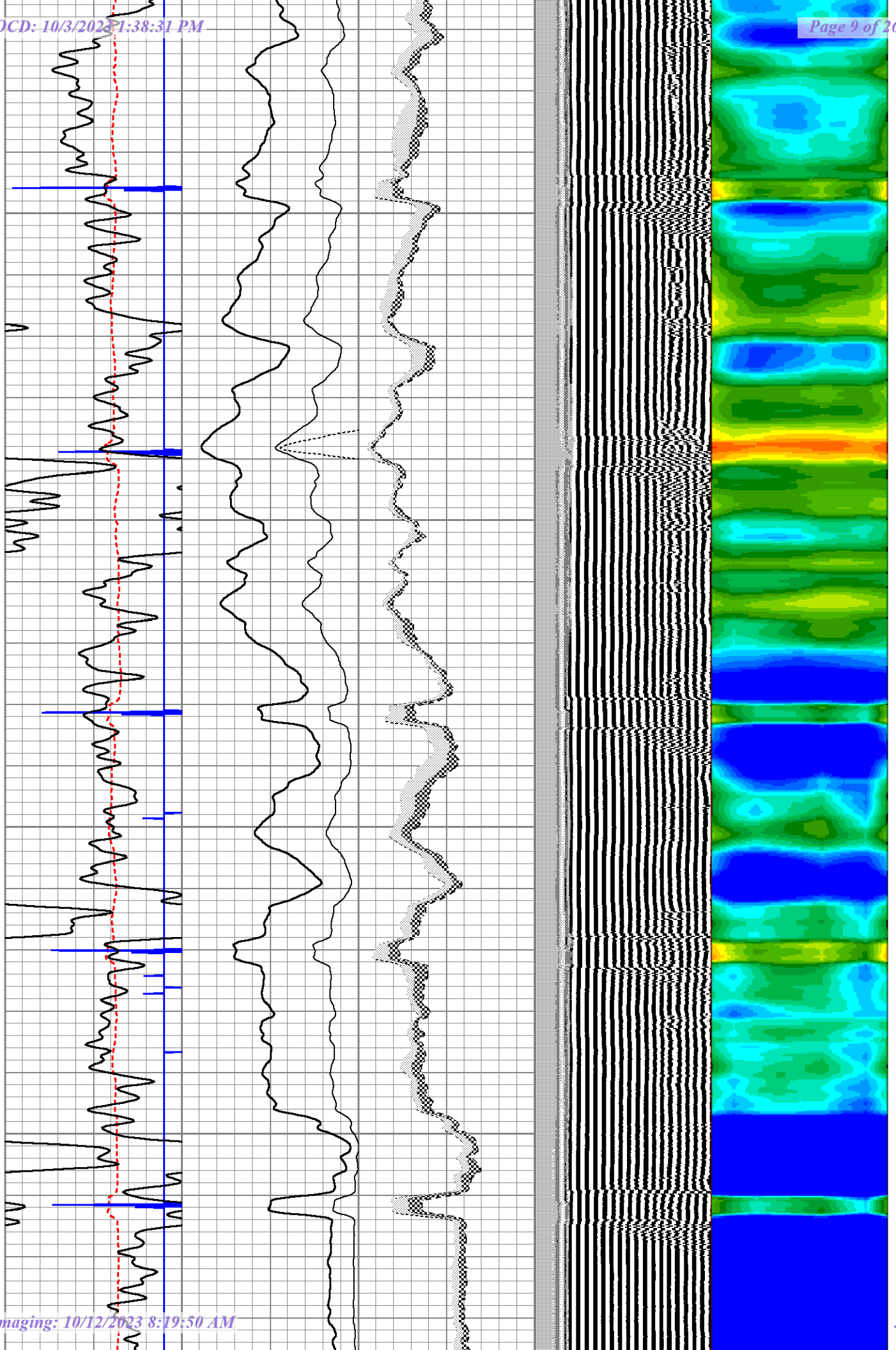
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1200



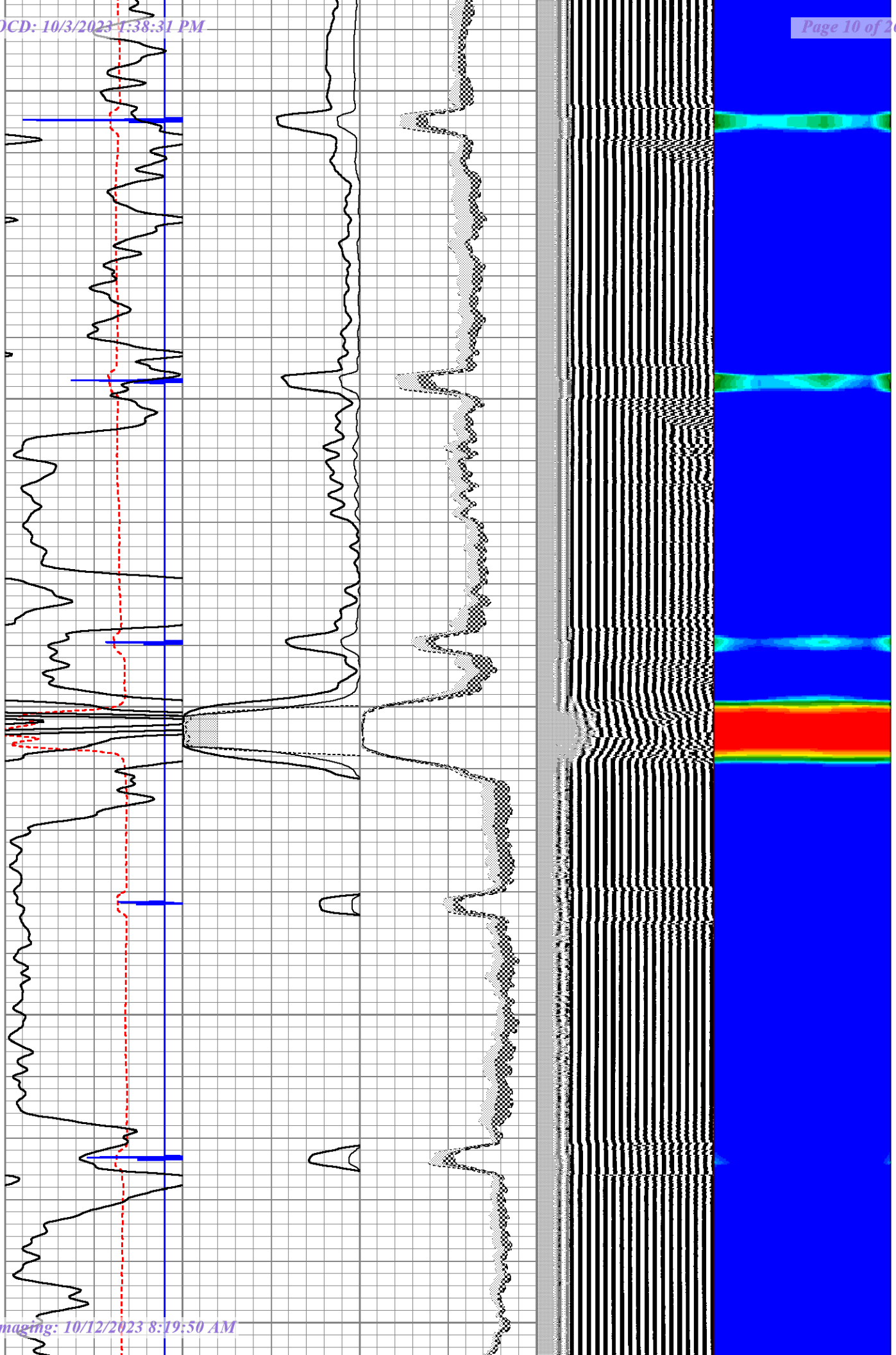
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1400



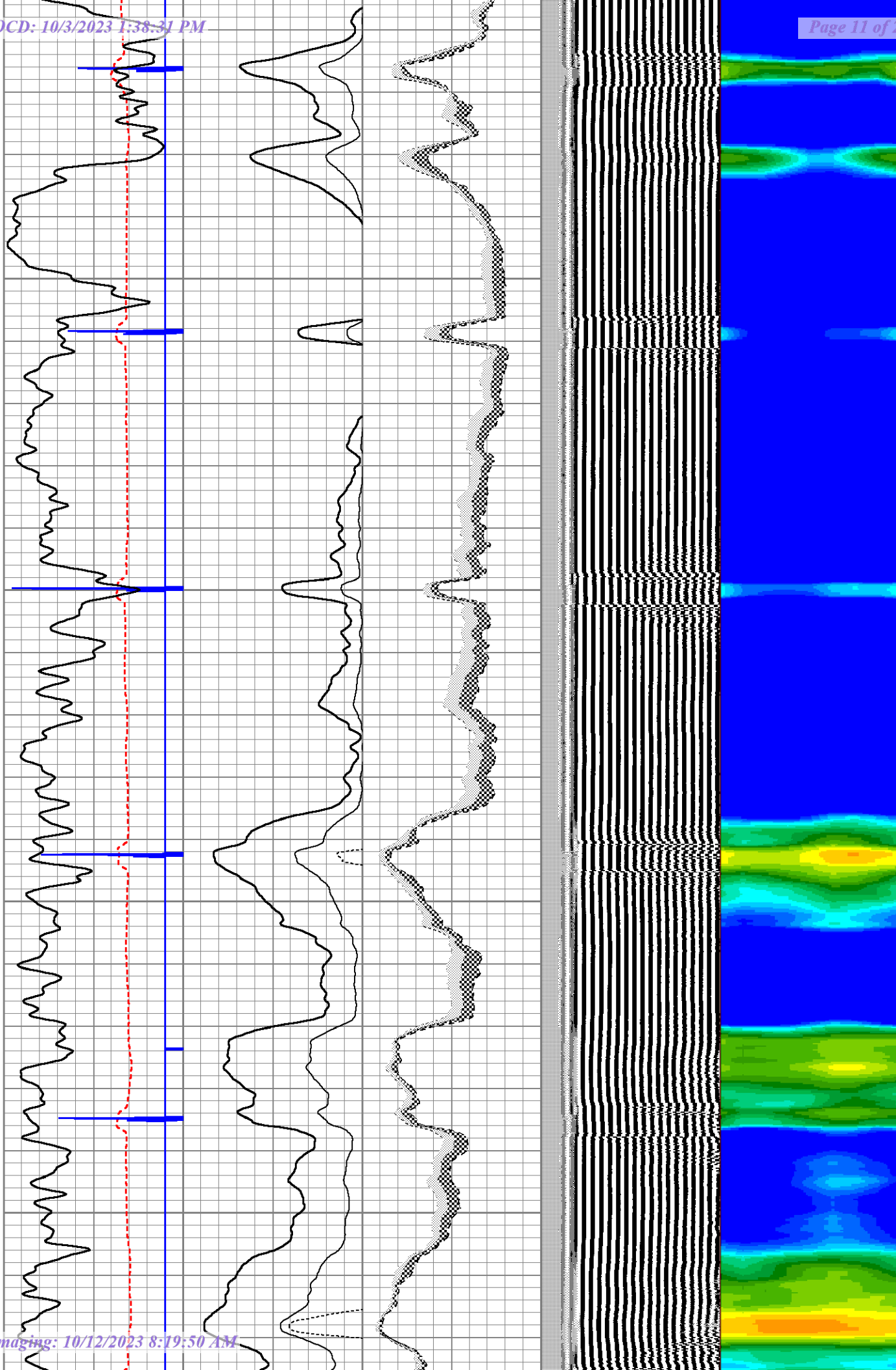
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1600



1800

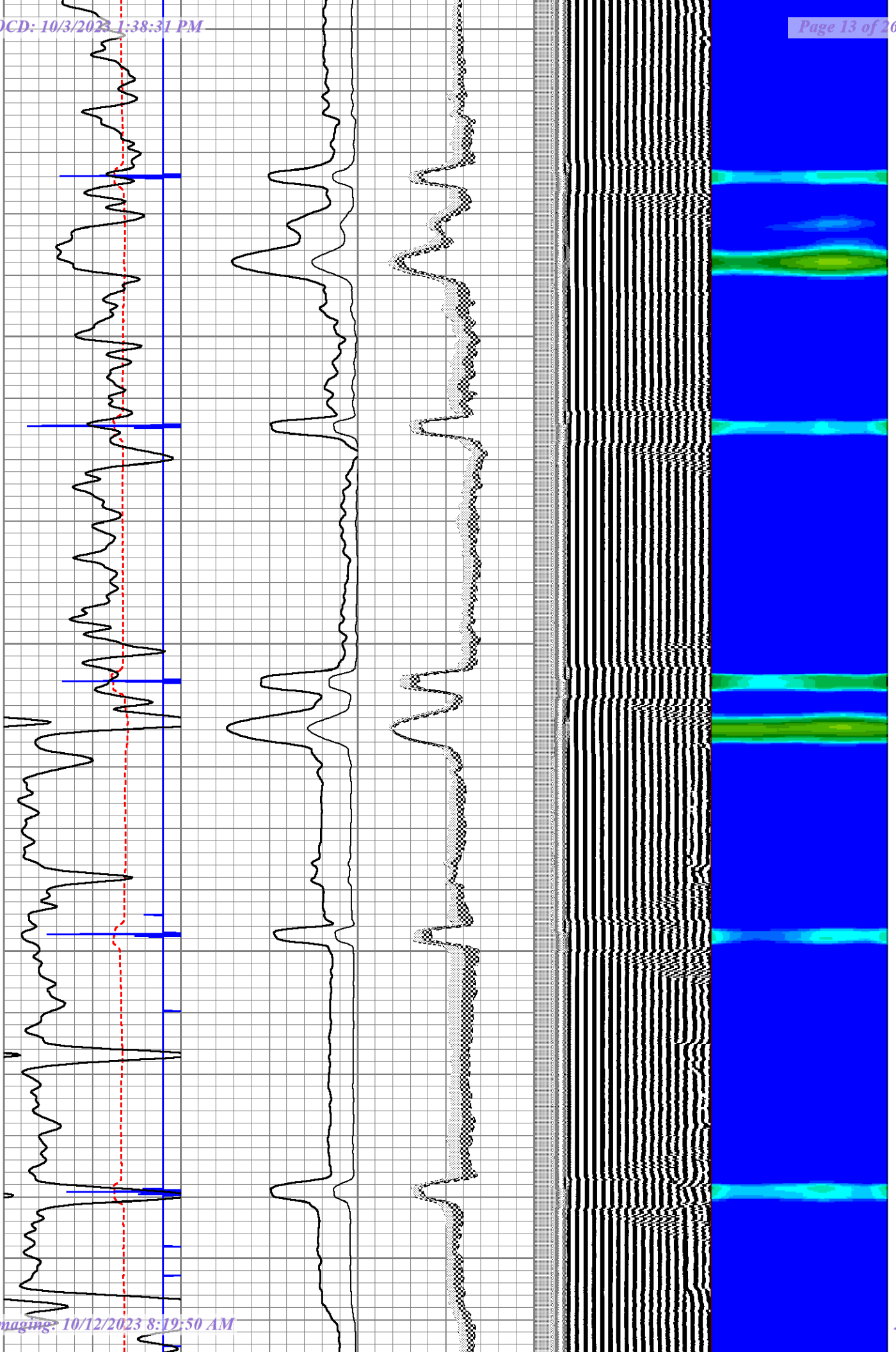
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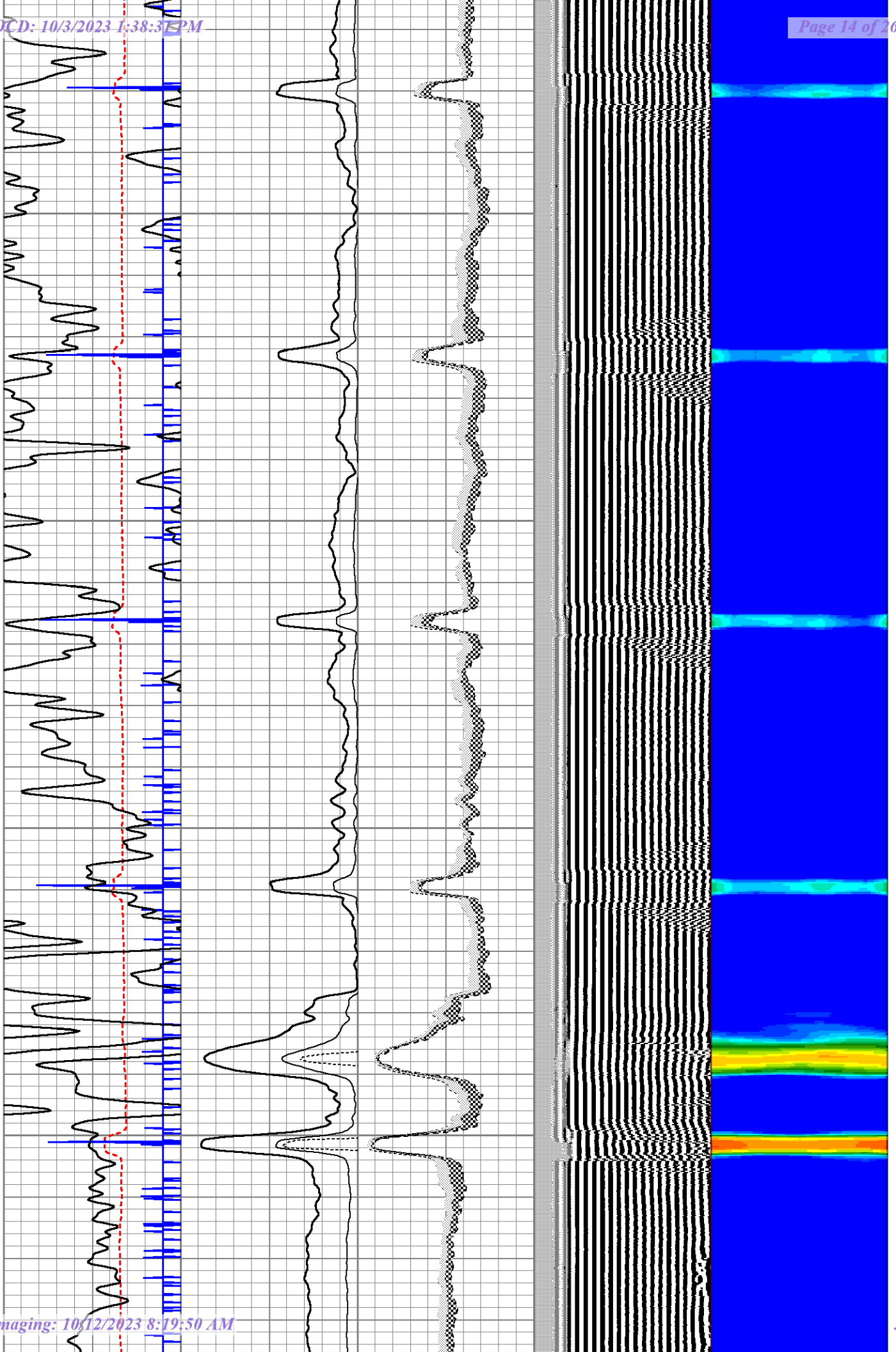
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2300



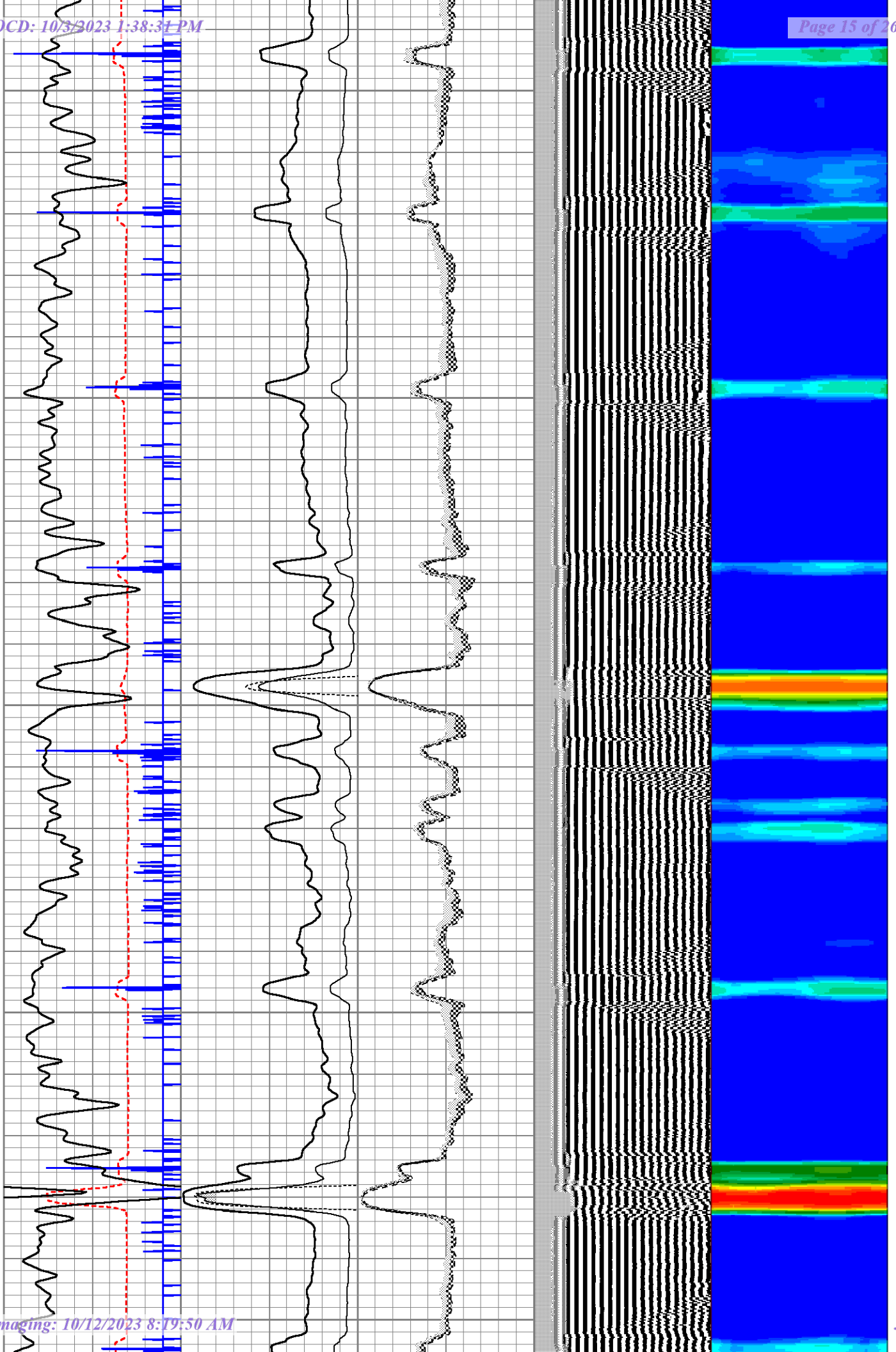
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2500



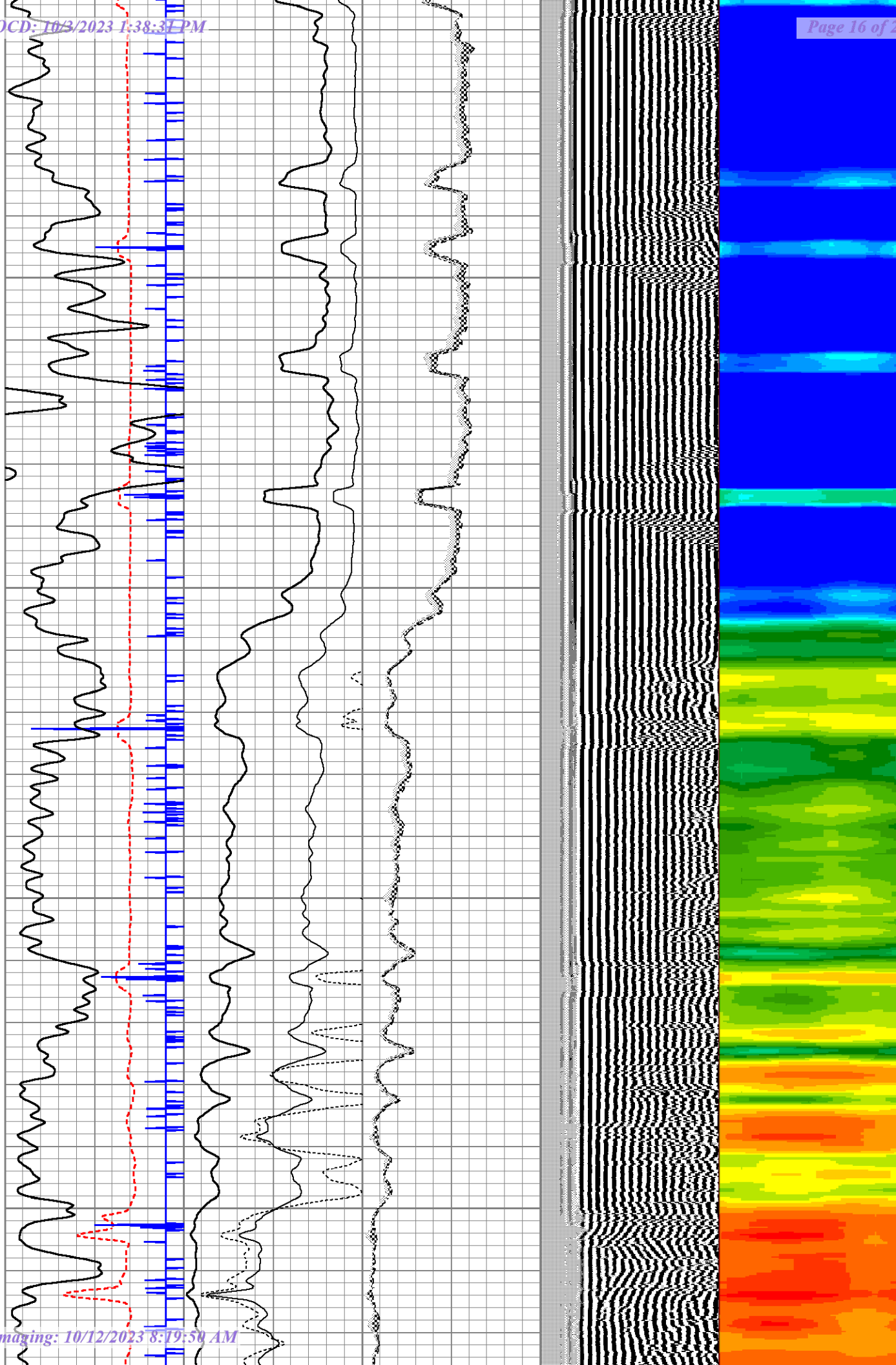
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2700



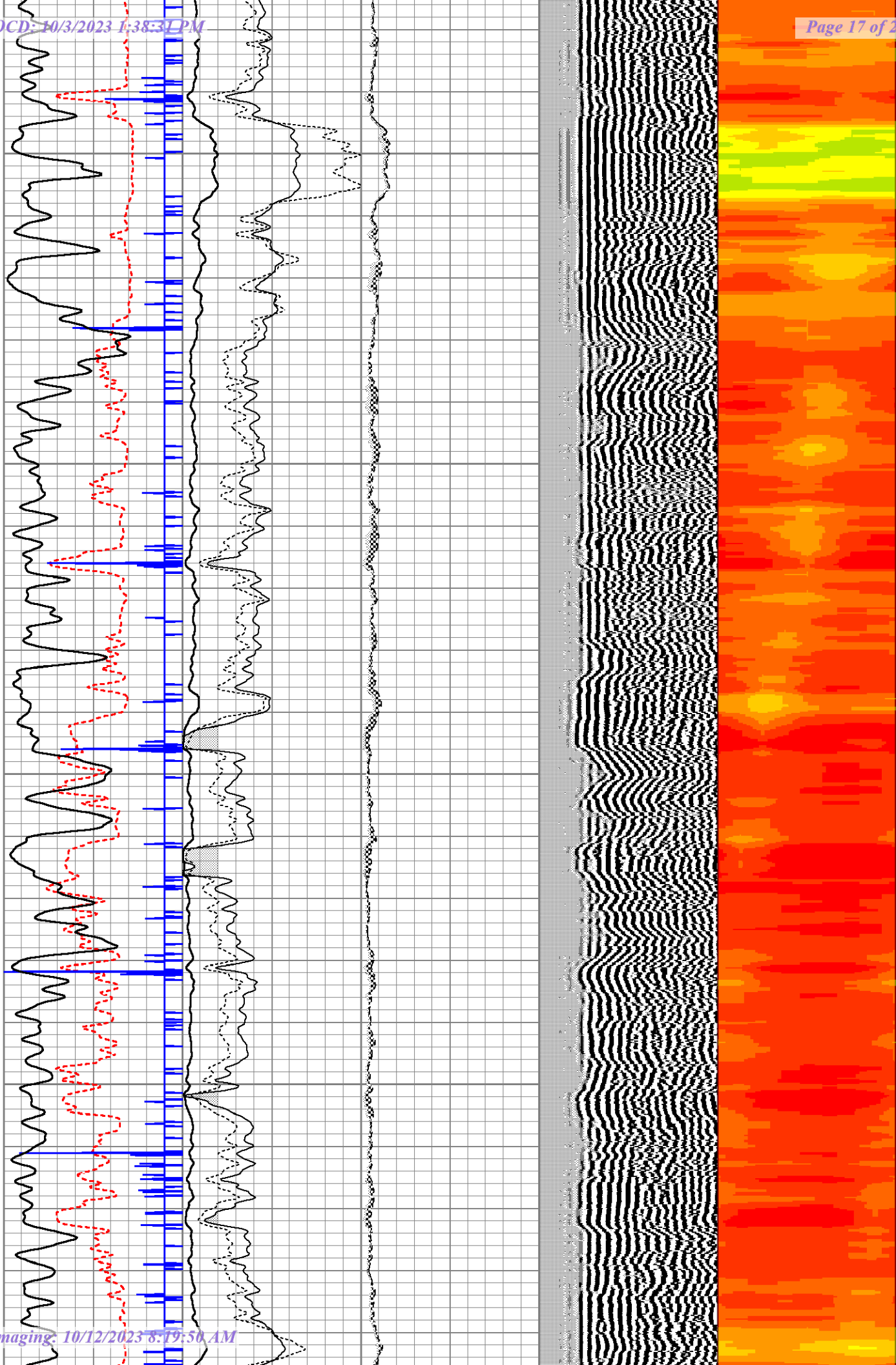
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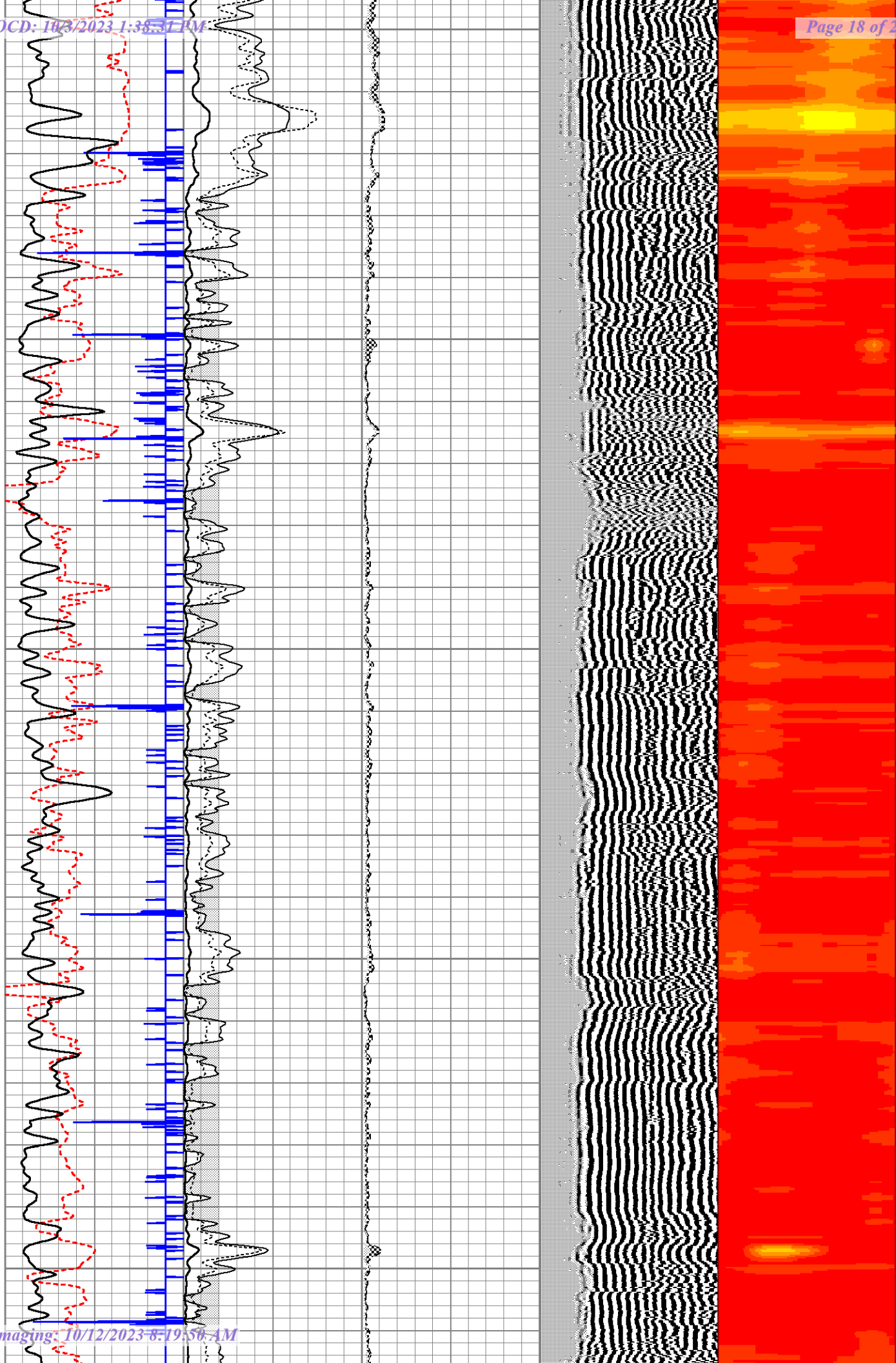
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3200



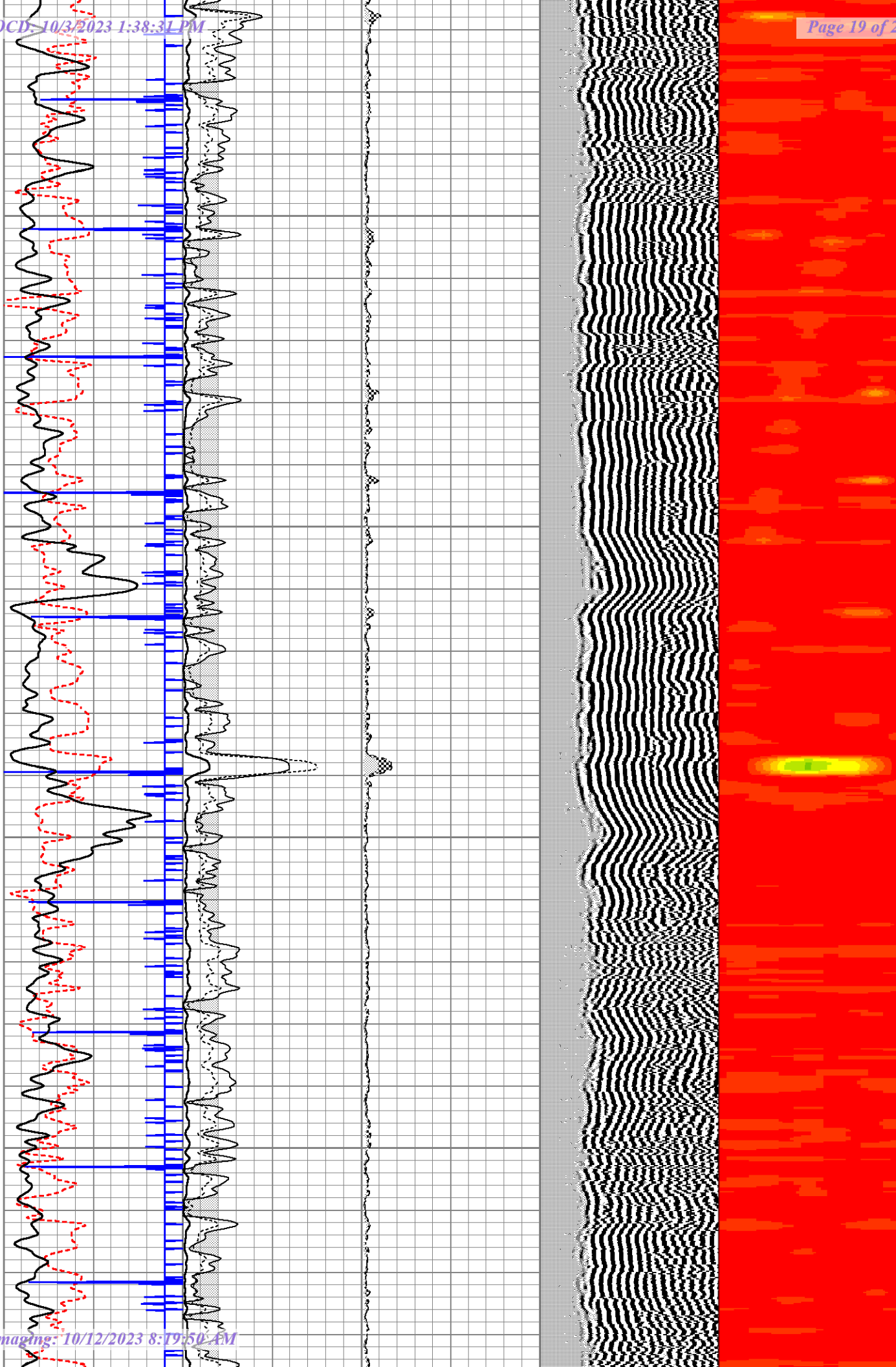
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3400



3500

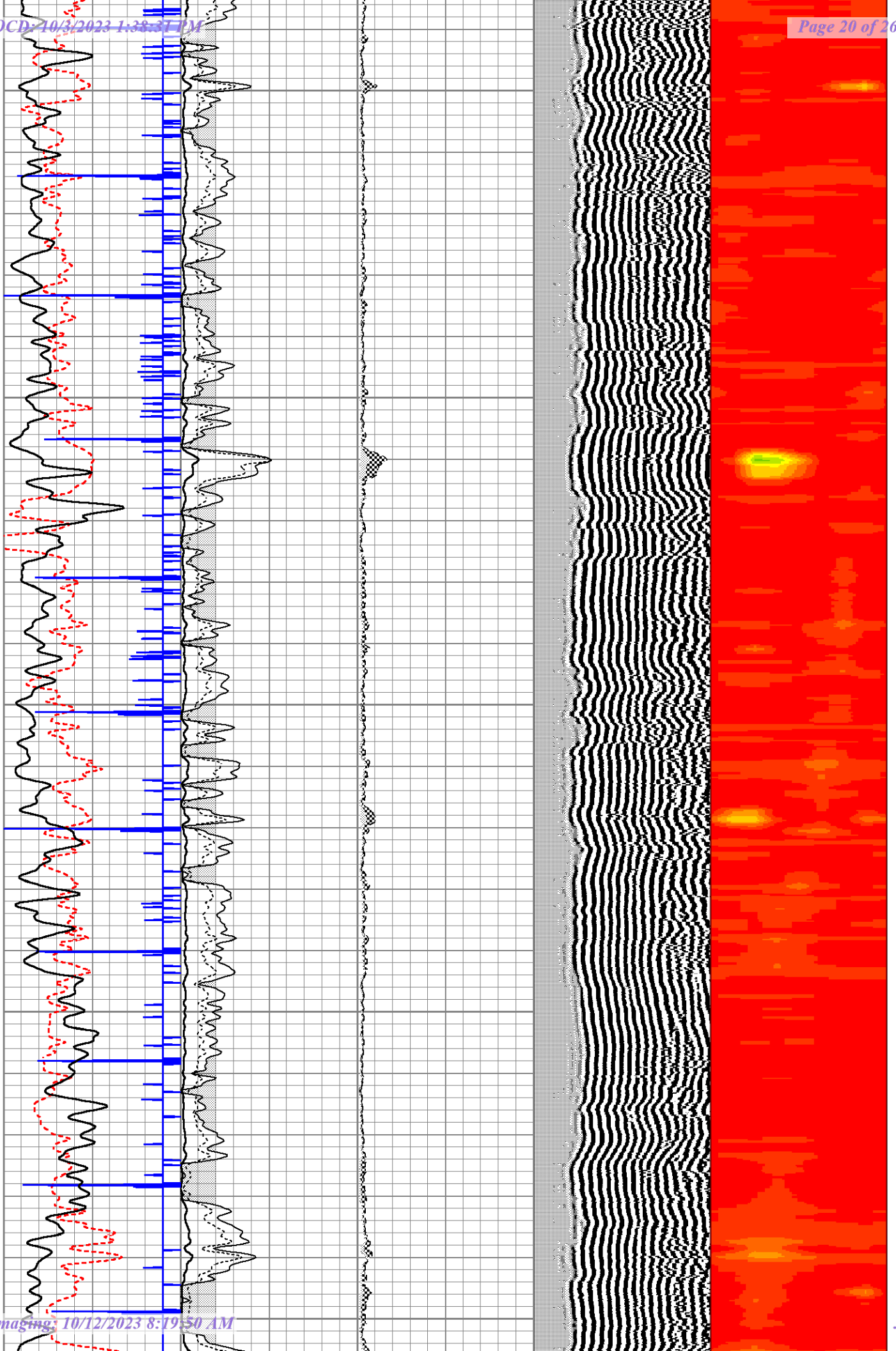
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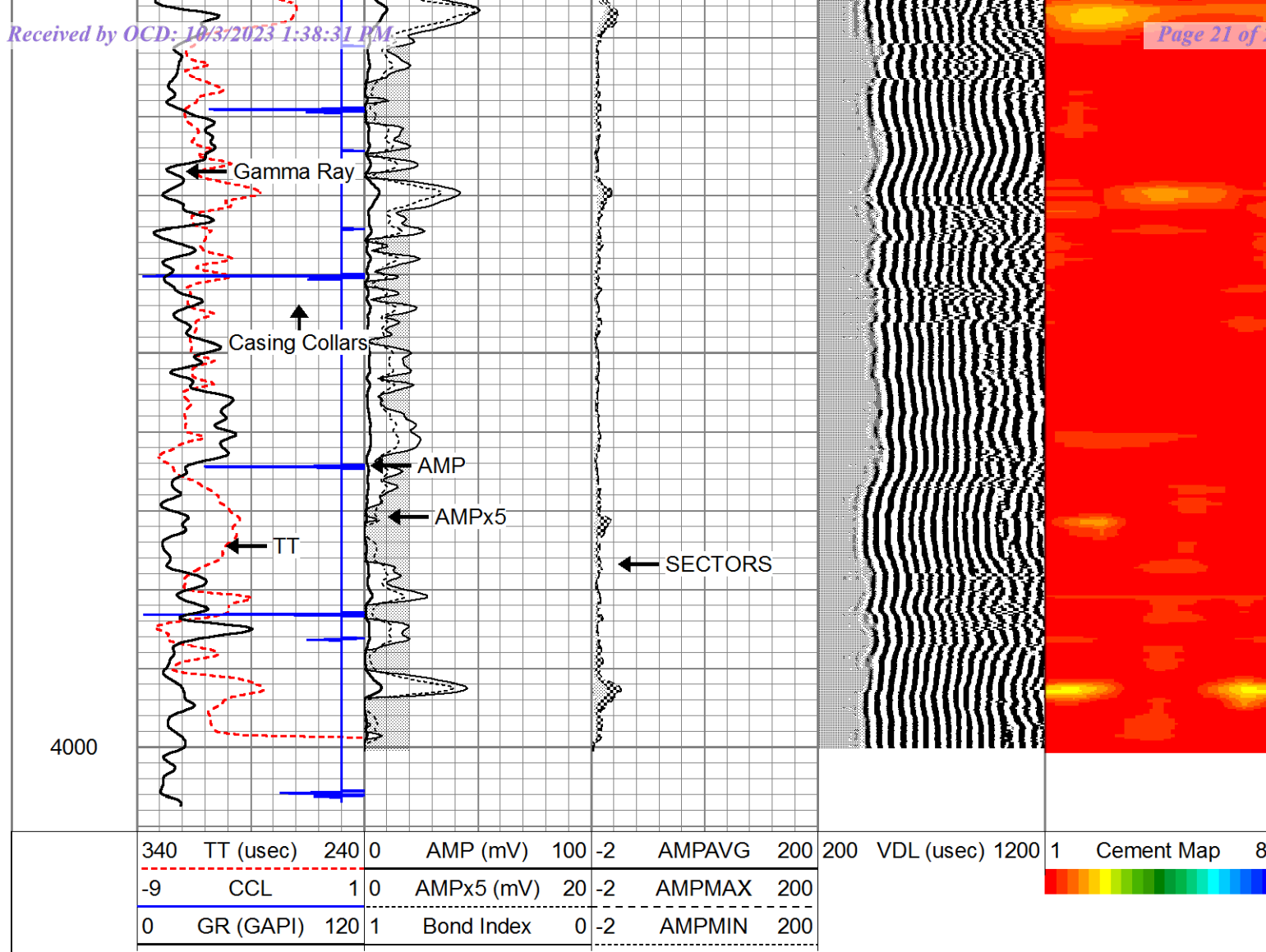


3700

3800

3900





Calibration Report

Database File eog_union_1.db
 Dataset Pathname pass3
 Dataset Creation Mon Sep 18 16:55:51 2023

Gamma Ray Calibration Report

Serial Number: 275
 Tool Model: Probe
 Performed: Fri Jan 22 11:51:55 2021

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 1.0000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: Base
 Tool Model: Probe

Calibration Casing Diameter: 5.500 in
 Calibration Depth: 0.000 ft

	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	1.034	0.000	71.921	69.567	0.000
CAL	0.000	0.368				
5'	0.000	0.905	0.000	71.921	79.455	0.000
SUM						
S1	0.000	1.048	0.000	100.000	95.426	0.000
S2	0.000	1.035	0.000	100.000	96.591	0.000
S3	0.000	1.052	0.000	100.000	95.095	0.000
S4	0.000	1.051	0.000	100.000	95.176	0.000
S5	0.000	1.023	0.000	100.000	97.794	0.000
S6	0.000	1.047	0.000	100.000	95.529	0.000
S7	0.000	1.054	0.000	100.000	94.911	0.000
S8	0.000	1.062	0.000	100.000	94.201	0.000

Internal Reference Calibration, performed Mon Sep 18 16:25:03 2023:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	0.368	1.000	0.000

Air Zero Calibration, performed Mon Sep 18 16:24:27 2023:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						
S1	0.000		0.000		0.000	
S2	0.000		0.000		0.000	
S3	0.000		0.000		0.000	
S4	0.000		0.000		0.000	
S5	0.000		0.000		0.000	
S6	0.000		0.000		0.000	
S7	0.000		0.000		0.000	
S8	0.000		0.000		0.000	

Log Variables

DatabaseC:\ProgramData\Warrior\Data\elog_union_1.db

Dataset field/well/run1/pass3/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 100	CASEOD in 5.5	CASETHCK in 0	CASEWGHT lb/ft 11.5	MAXAMPL mV 0	MINAMPL mV 1	MINATTN db/ft 0.8
PERFS No	PPT usec 0	SRFTEMP degF 0	TDEPTH ft 0				

Variable Description

BOREID : Borehole I.D.

BOTTEMP : Bottom Hole Temperature

CASEOD : Casing O.D.

CASETHCK : Casing Thickness

CASEWGHT : Casing Weight

MAXAMPL : Maximum Amplitude

MINAMPL : Minimum Amplitude

MINATTN : Minimum Attenuation

PERFS : Perforation Flag

PPT : Predicted Pipe Time

SRFTEMP : Surface Temperature

TDEPTH : Total Depth

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-STNDRD Standard Cable Head	1.00	1.69	10.00
			CENT-BC275-0000 Probe 2.75" Bowspring Centralizer	2.83	2.75	24.00
WVFS8	11.75		RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
WVFS7	11.75					
WVFS6	11.75					
WVFS5	11.75					
WVFS4	11.75					
WVFS3	11.75					
WVFS2	11.75					
WVFS1	11.75					
WVFCAL	11.75					
WV3FT	11.75					
WV5FT	10.67					
HEADVOLT	7.42					
			CENT-BC275-0000 Probe 2.75" Bowspring Centralizer	2.83	2.75	24.00
CCL	3.64					
			GR-Probe (275) Probe 2.75" 4 Channel Pulse	4.58	2.75	30.00
GR	0.90					



Company	EOG Resources
Well	Union #1
Field	
County	Lea
State	New Mexico

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

COMMENTS

Action 271922

COMMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 271922
	Action Type: [C-103] Sub. Plugging (C-103P)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM.	10/12/2023

District I
1625 N. French Dr., Hobbs, NM 88240
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Action 271922

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	Action Number: 271922
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
kfortner	Need C103Q and marker photo to release	10/11/2023