Mesa Verde CLGC Project
Supplemental Information

Contents

1. GOR Gas Allocation Plan for CLGC Wells
    a. The revised Gas Allocation Plan that utilizes a GOR method to calculate native gas production after a storage event.
2. Well Test Allocation Method
    a. There are 12 test vessels at the CTB. The testers cannot be used for any well due to the facility layout. Multiple wells go to each tester including multiple storage wells in some cases.
    b. The Well Test Allocation Method obtains higher frequency well tests after a storage event with frequency reduction over time.
    c. Allows for accurate data collection of CLGC and offset wells while providing flexibility to obtain well tests for commingling permits and other obligations.
3. Revised Data Collection Plan
    a. Revised Data Collection Plan with changes.
4. ½ mile AOR map
    a. Includes well trajectories.
5. CLGC candidate selection and sequencing
    a. A statement describing the candidate selection and sequencing.
6. Annular Flow Gas Lift Wells
    a. Annular Flow Gas Lift Statement
        i. Explains reasoning for utilizing Annular Flow.
    b. Corrosion Metrics
        i. Metrics are included for the 3 wells that are proposed CLGC tubing injection wells.
7. CBL for MV BS 4H
    a. Included and uploaded to the portal.

GOR Gas Allocation Plan for CLGC Wells

Application

The following methodology will apply to CLGC wells on a well by well basis. The application will start after a CLGC storage event and will end after 100% of the Storage Gas Injection Inventory is recovered. Afterwards, Gas Allocation will revert to previous accounting procedures.

Overview

During a CLGC storage event, a portion of the combined gas streams from source wells will be stored in a CLGC well. After a storage event, the wellhead gas produced from a CLGC well will consist of three components: Gas Lift Gas, Native Gas, and Storage Gas Production. Both Native Gas and Storage Gas Production are produced from the reservoir, and the combined production is Reservoir Gas.

Wellhead Gas Produced = Gas Lift Gas + Native Gas + Storage Gas Production

Gas Lift Gas is measured continuously for each well. This methodology applies a Gas-Oil-Ratio (GOR) Calculation to determine the Native Gas (owned by the owners of the CLGC well) and Storage Gas Production (owned by the owners of the source wells).

A Well Test Allocation Method will be utilized after a storage event. In the example below, the well tests values are highlighted. The values between are interpolated.

Example

The following data is a simulated, 1-Day storage event.

- 2000 mscf is injected over 24 consecutive hours.
- The well is produced back immediately following a storage event.
- The data has been truncated at 24 days because it is included for illustration purposes.

The input and calculated values for an example well are listed below:

Values	Description
Wellhead Gas Produced, mscf/d	Wellhead gas, measured with well test
Gas Lift Gas, mscf/d	Gas Lift Gas injection, measured with flow meter
Reservoir Gas, mscf/d	Reservoir Gas, the difference between Wellhead Gas and Gas Lift Gas, calculated
Oil, bbl/d	Oil production, measured with well test
Water, bbl/d	Water production, measured with well test
GOR, scf/bbl	Gas Oil Ratio (GOR), engineer calculation based on previous oil and gas well tests before a storage event
Native Gas- GOR Calc, mscf/d	Minimum of Reservoir Gas or Native Gas Production using GOR, calculated
Storage Gas Injection, mscf/d	Storage Gas Injection, measured with flow meter

Storage Gas Injection Inventory, mscf	Storage Gas Injection Inventory, cumulative amount of storage gas injection minus storage gas production, calculated
Storage Gas Production, mscfd	Storage Gas Production, difference between Reservoir Gas and Calculated Native Gas Production, calculated

Column	1	2	3	4	5	6	7	8	9	10
Calculation or measurement	Well Test	Flow Meter	1-2	Well Test	Well Test	Engineer Analysis	MIN (3,4*6/1000)	Flow Meter	8-10 + 9_PreviousRow	IF(9>0, 3-7,0)
Day	Wellhead Gas Produced, mscf/d	Gas Lift Gas, mscf/d	Reservoir Gas, mscf/d	Oil, bbl/d	Water, bbl/d	GOR, scf/bbl	Native Gas-GOR Calc, mscf/d	Storage Gas Injection, mscf/d	Storage Gas Injection Inventory, mscf	Storage Gas Production, mscfd
-90	626	500	126	63	103	2,005	126	0	0	0
-60	625	500	125	62	101	2,032	125	0	0	0
-30	624	500	124	60	99	2,053	124	0	0	0
1	623	500	123	59	96	2,081	123	0	0	0
2	0	0	0	0	0	2,050	0	2000	2000	0
3	850	500	350	45	80	2,050	92	0	1743	257
4	741	500	241	50	86	2,050	102	0	1604	139
5	713	500	213	52	88	2,050	107	0	1498	106
6	685	500	185	54	91	2,050	111	0	1424	73
7	675	500	175	55	92	2,050	113	0	1362	62
8	665	500	165	56	93	2,050	115	0	1313	50
9	661	500	161	57	93	2,050	116	0	1267	45
10	657	500	157	57	94	2,050	117	0	1227	40
11	653	500	153	57	94	2,050	117	0	1192	35
12	649	500	149	58	95	2,050	118	0	1161	31
13	647	500	147	58	95	2,050	118	0	1133	28
14	645	500	145	58	95	2,050	119	0	1106	26
15	643	500	143	58	95	2,050	119	0	1082	24
16	641	500	141	58	95	2,050	119	0	1060	22
17	640	500	140	58	95	2,050	119	0	1038	21
18	639	500	139	58	94	2,050	119	0	1018	20
19	639	500	139	58	94	2,050	119	0	998	20
20	638	500	138	58	94	2,050	119	0	980	19
21	637	500	137	58	93	2,050	119	0	962	18
22	636	500	136	58	93	2,050	119	0	945	17
23	635	500	135	58	93	2,050	119	0	930	16
24	634	500	134	58	92	2,050	119	0	915	15

Well Test Allocation Method

Following an injection period, the allocation of oil and gas production shall be based on the production life of each CLGC well as measured for three periods: (a) the initial production period shall be measured from the end of the injection period until the peak gas production rate is reached; (b) the plateau period shall be measured from the end of the initial production period to the peak decline rate; and (c) the decline period shall be measured from the end of the plateau period until the well has recovered the previously-injected volume.

During the initial production period, the oil and gas production for each CLGC well shall be allocated using daily well tests or separated and metered individually prior to commingling.

During the plateau period, the oil and gas production for each CLGC well shall be allocated using a production curve calculated from a minimum of three (3) well tests per month. The production curve shall be calculated by interpolating daily production for each day using the known daily production obtained by well tests and shall use a method of interpolation that is at minimum as accurate as maintaining a constant rate of change for each day's production between the known daily production values.

During the decline period, the oil and gas production for each CLGC well shall be allocated using a production curve calculated from a minimum well testing frequency as follows: (a) a minimum of three (3) well tests per month when the decline rate is greater than 22% per month; (b) a minimum of two (2) well tests per month when the decline rate is between 22% and 10% per month; and (c) a minimum of one (1) well test per month when the decline rate is less than 10% per month. The production curve shall be calculated by interpolating daily production for each day using the known daily production obtained by well tests and shall use a method of interpolation that is at minimum as accurate as maintaining a constant rate of change for each day's production between the known daily production values.

Applicant shall conduct a well test by separating and metering the oil and gas production from each well for either (a) a minimum of twenty-four (24) consecutive hours; or (b) a combination of nonconsecutive periods that meet the following conditions: (i) each period shall be a minimum of six (6) hours; and (ii) the total duration of the nonconsecutive periods shall be a minimum of eighteen (18) hours.

Revised Data Collection Plan for Mesa Verde CLGC Project

CLGC Well Name	Completion Reservoir	Involved Well (East Side)	Involved Well (West Side)
MV-BS-1H-ST1	Avalon	None	None
MV-BS-3H			
Mesa Verde BS Unit 6H	2nd Bone Springs	Mesa Verde BS 7H	Mesa Verde BS 24H
Mesa Verde BS Unit 4H			
Mesa Verde BS Unit 5H			
MV-BS-2H	3rd Bone Springs	None	None

Applicant shall provide to the OCD Engineering Bureau at ocd.engineer@state.nm.us, project status updates every twelve (12) months after the approval of this Order and a summary report no later than three (3) months after the cessation of the pilot project or upon request from OCD. Status updates shall include a summary of the actions taken and problems and solutions identified and implemented. The summary report(s) shall include:

a. a summary of all project-related activity;

b. a review regarding any problems and solutions identified and implemented;

c. for each period of injection, a summary of the results, including for each CLGC Well in which injection occurred ("involved CLGC Well"):

i. average and maximum injection flow rates;

ii. injection duration; and

iii. total injected volume.

d. for each period of injection, the following data graphed and tabulated with a resolution of at least: one (1) data point per hour beginning twenty-four (24) hours before the injection (provided adequate notice is received beforehand), four (4) data points per hour during the injection, and one (1) data point per hour ending twenty-four (24) hours after the injection:

i. for each involved CLGC Well, the oil and gas production and injection flow rates and annulus pressure of all casing strings; and

ii. for each well related to each involved CLGC Well, the oil and gas production and injection flow rates and production casing pressure.

iii. for situations where equipment constraints do not allow for data collection at the resolution specified above or injection periods lasting more than twenty-four (24) hours, periodic well tests may be substituted, provided such well tests are conducted by separating and metering the oil and gas production from each well for a minimum of six (6) hours.

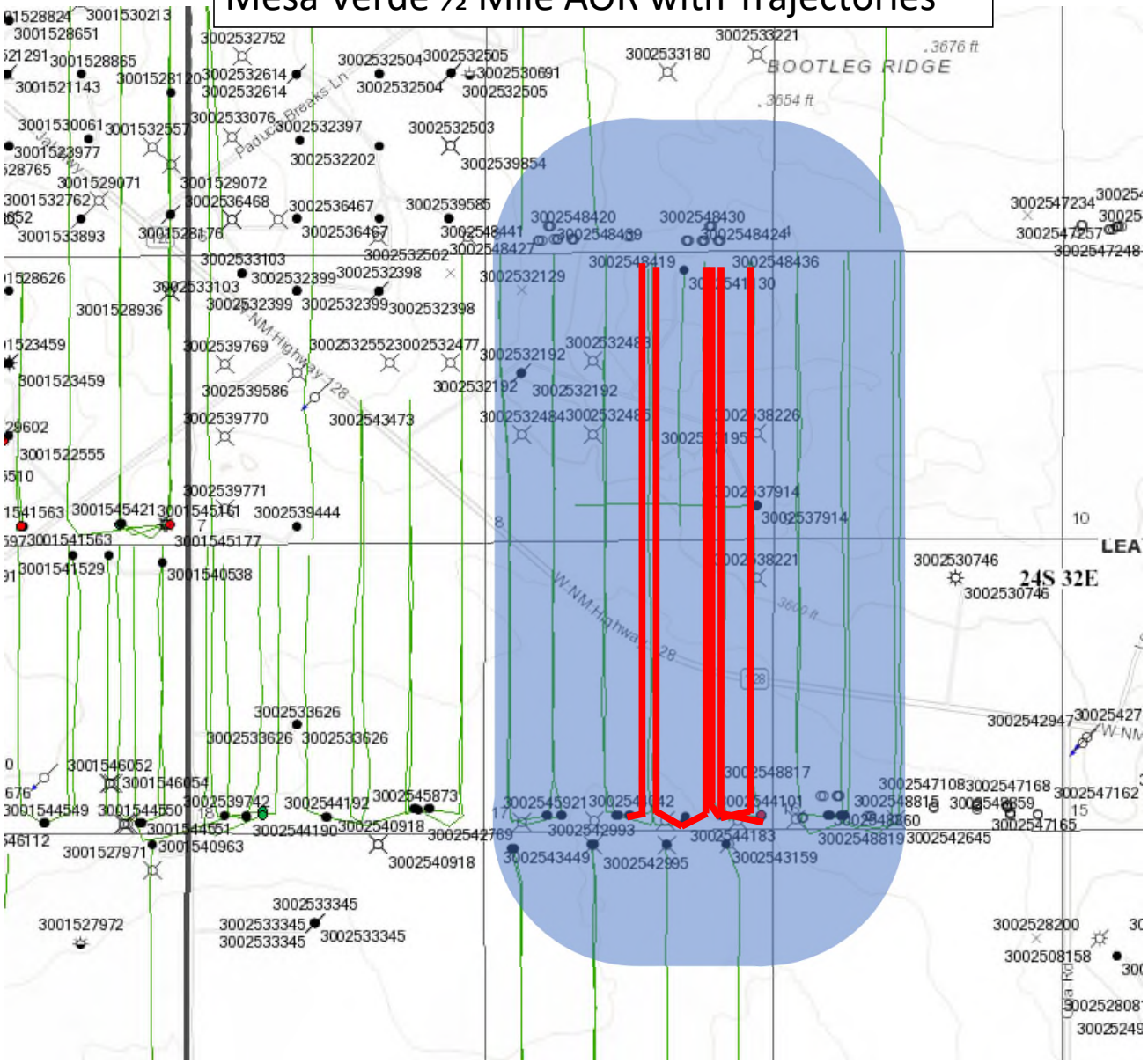
e. for each period of injection, a recovery profile for each involved CLGC Well and for each well related to each involved CLGC Well which experienced a change in production casing pressure or production volume related to the injection during or immediately following the injection. The volume of recovered gas shall be determined by taking the difference between the gas production following the injection and baseline production. The baseline production shall be determined by using well tests to create a production curve that estimates what the production would have been had injection not occurred. The production curve shall be calculated by interpolating daily production for each day using the known daily production obtained by well tests conducted prior to the start of injection and shall use a method of interpolation that is at minimum as accurate as maintaining a constant rate of change for each day's production between the known daily production. The recovery profile shall include:

i. a summary of the results, including the volume and percent of total production recovered and the duration of time required to achieve that recovery; and

ii. a tabulation of daily oil and gas production and baseline production totals; beginning a week before the injection and ending when either the gas production is near equal to its baseline production or Applicant conducts another period of injection on an involved CLGC Well.

f. If any of the CLGC wells or the involved CLGC wells are being produced pursuant to an approved commingling permit, applicant shall not be required to install additional facilities or measurement equipment to collect the data described above in subparagraphs (d) or (e) above.

Mesa Verde ½ Mile AOR with Trajectories



CLGC Candidate Selection

In selecting candidates for CLGC injectors, all wells tied into the gas sales system were evaluated based on their native gas production, oil production, and flowing bottom hole pressure (FBHP). To minimize impact to oil production, wells were evaluated based on the Gas Reduced to Oil Ratio (GROR) calculation. This metric is the sum of native gas production and the maximum proposed injection gas (storage volume) divided by the oil production. FBHP was subsequently used to target more depleted wells.

$$GROR = \frac{Native\ gas\ rate\ (mscfd) + Storage\ gas\ rate\ (mscfd)}{Oil\ rate\ (bbl/d)}$$

CLGC Candidate Sequencing

Storage well sequencing will be handled similarly to the candidate selection process. Wells will be prioritized based on GROR (defined above) until the total gas removed from the system is greater than the temporary reduction in takeaway capacity.

Annular Flow Gas Lift Statement

Annular flow Gas Lift (GL) is used for highly productive wells that would be limited by the flow area of the tubing in a conventional tubing flow GL setup. In 5.5" casing, the annular flow cross section is 2.5-4 times larger than the internal flow area of the tubing. Using annular flow GL over tubing flow GL allows for more efficient development of resources from wells, and premature conversion defers production volumes.

The Mesa Verde BS Unit 2H, 4H, and 6H will be converted to Tubing Flow GL wells in 6 to 12 months.

Corrosion Metrics for Annular Flow GL Wells in Application

Collection Date	Well	Iron	Manganese	Chemical Residuals
8/4/2021	MESA VERDE BS UNIT 2H	85.7	1.58	Not recorded
6/30/2021	MESA VERDE BS UNIT 2H	61.1	1.48	18.33
2/5/2021	MESA VERDE BS UNIT 2H	51.7	1.07	50.33
2/5/2021	MESA VERDE BS UNIT 4H	73.4	1.27	24.92
2/5/2021	MESA VERDE BS UNIT 6H	24.3	0.621	10.26

Company	Occidental Permian, LTD
Well	Mesa Verde BS #4H
Field	Sand Dunes
County	Lea
State	NewMexico

RENEGADE SERVICES

Radial Cement Bond Gamma Ray CCL Log

Company Occidental Permian, LTD

Well Mesa Verde BS #4H

Field Sand Dunes

County Lea State New Mexico

Location: API # : 30-015-44064

Latitude: 32.2108894
Longitude: -103.6908268

SEC TWP RGE

Other Services

Permanent Datum	Ground Level	Elevation	3560.5'	Elevation
Log Measured From	KB 26.5' APD			K.B. 3584'
Drilling Measured From	Kelly Bushing			D.F. 3586'
				G.L. 3560.5'

Date	April 16, 2018		
Run Number	One		
Depth Driller	20532'		
Depth Logger	10725'		
Bottom Logged Interval	10716'		
Top Log Interval	Surface		
Open Hole Size	8.5"		
Type Fluid	Brine		
Density / Viscosity	10.5 ppg		
Max. Recorded Temp.	160 degF		
Estimated Cement Top	--		
Time Well Ready	08:00 A.M.		
Time Logger on Bottom	11:30 A.M.		
Equipment Number	Truck 125		
Location	Levelland, Texas		
Recorded By	James McClure		
Witnessed By	Drue Knight		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
One	20"	0'	120'				
Two	17.5"	120'	1000'				
Three	12.25"	1000'	4734'				
Four	8.5"	4734'	20532'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	13.375"	54.5# J-55	Surface	1000'
Prot. String	9.625"	47# L-80	Surface	4734'
Production String	5.5"	20# P-110	Surface	20532'
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 Choosing Renegade Services *****

Correlated Back To Marker Joint

RENEGADE SERVICES

Main Pass (1000 PSI)

Database File	oxy mesa verde bs unit 4h rcbl.db
Presentation Format	rrcbl_mx
Dataset Creation	Mon Apr 16 13:45:31 2018
Charted by	Depth in Feet scaled 1:240

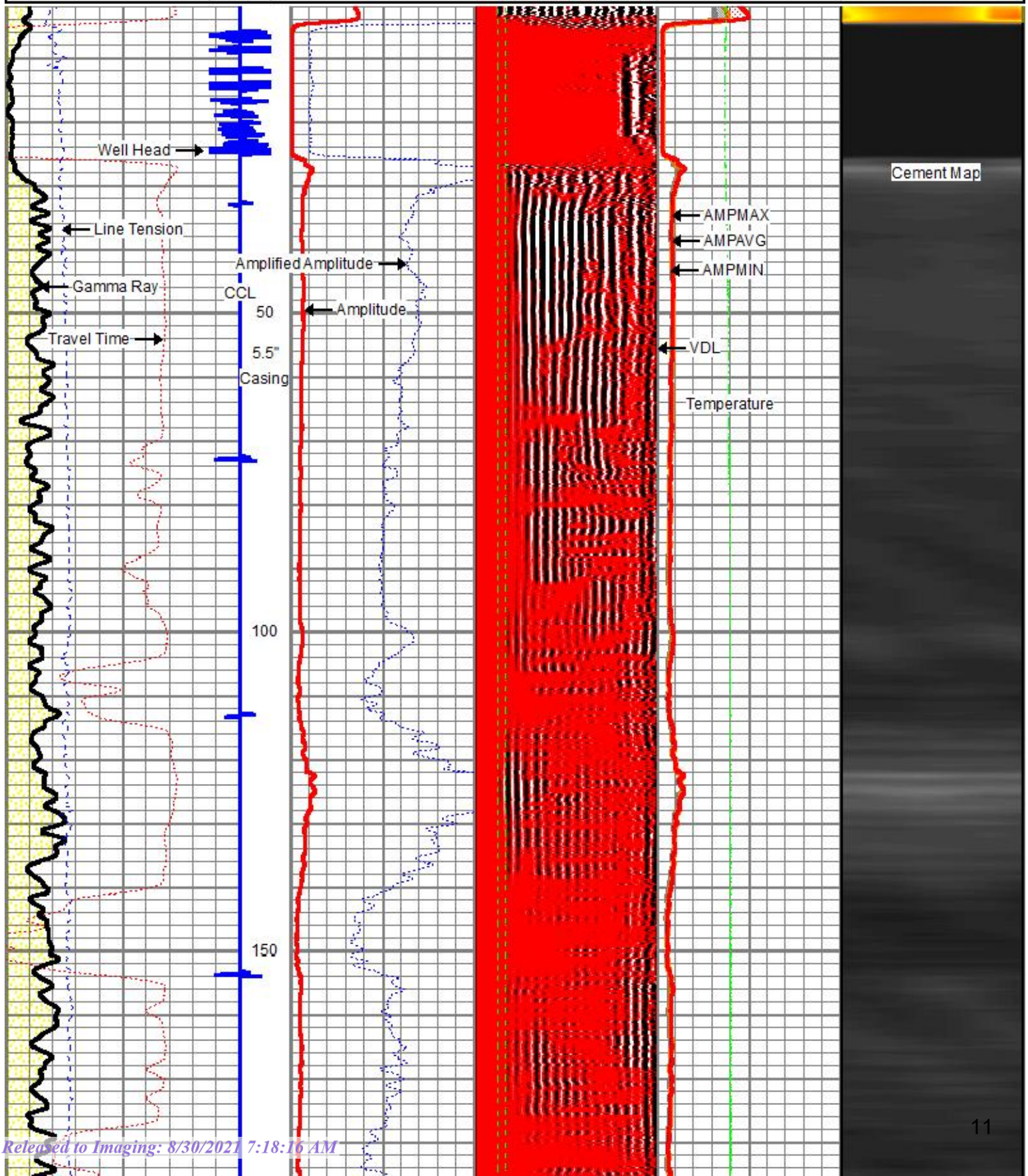
292	TT (usec)	192
0	GR (cps)	150
0	LTEN (lb)	2000
	CCL	

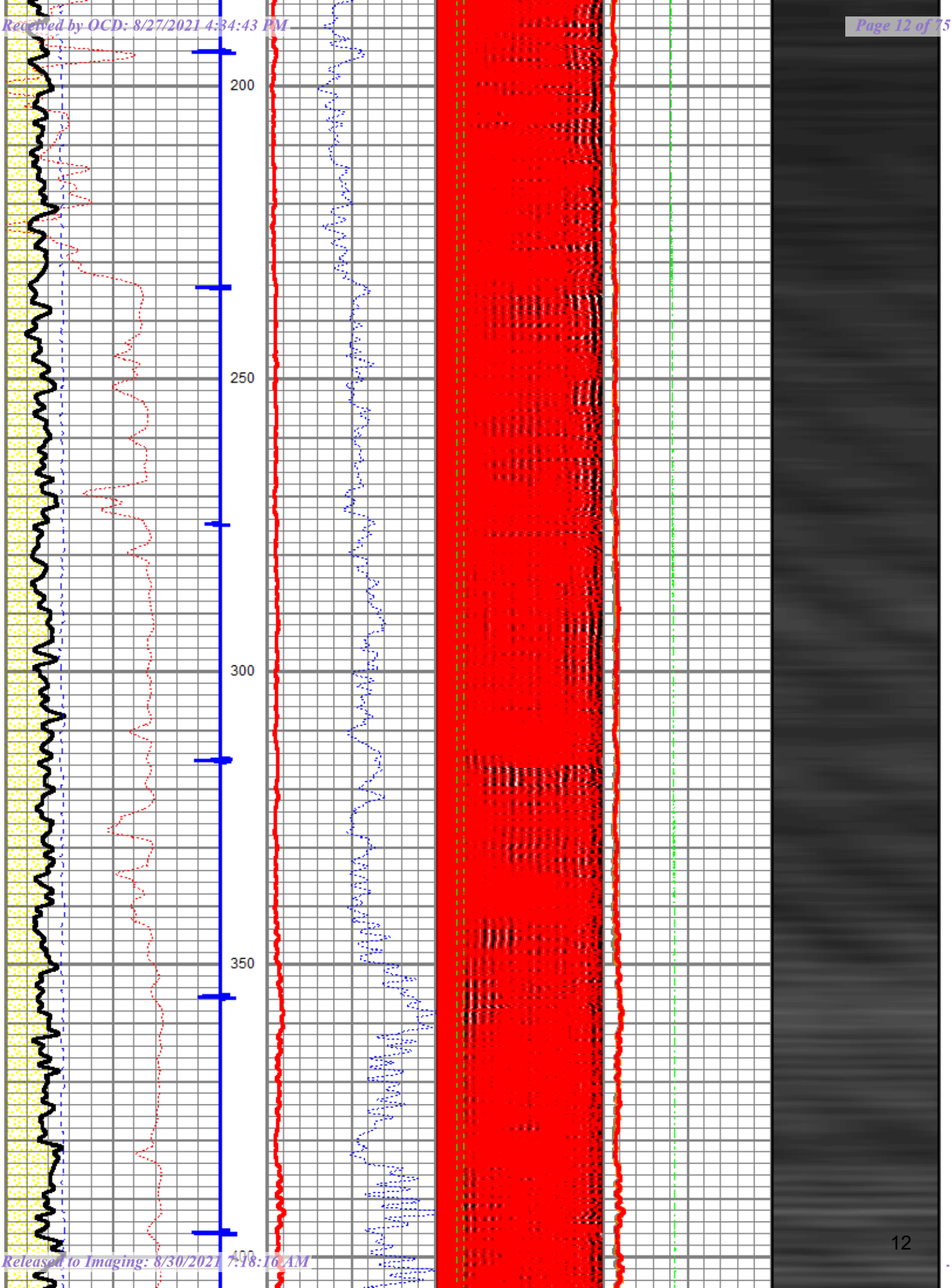
0	Amplitude (mV)	100
	Amplified Amplitude	
0	(mV)	10

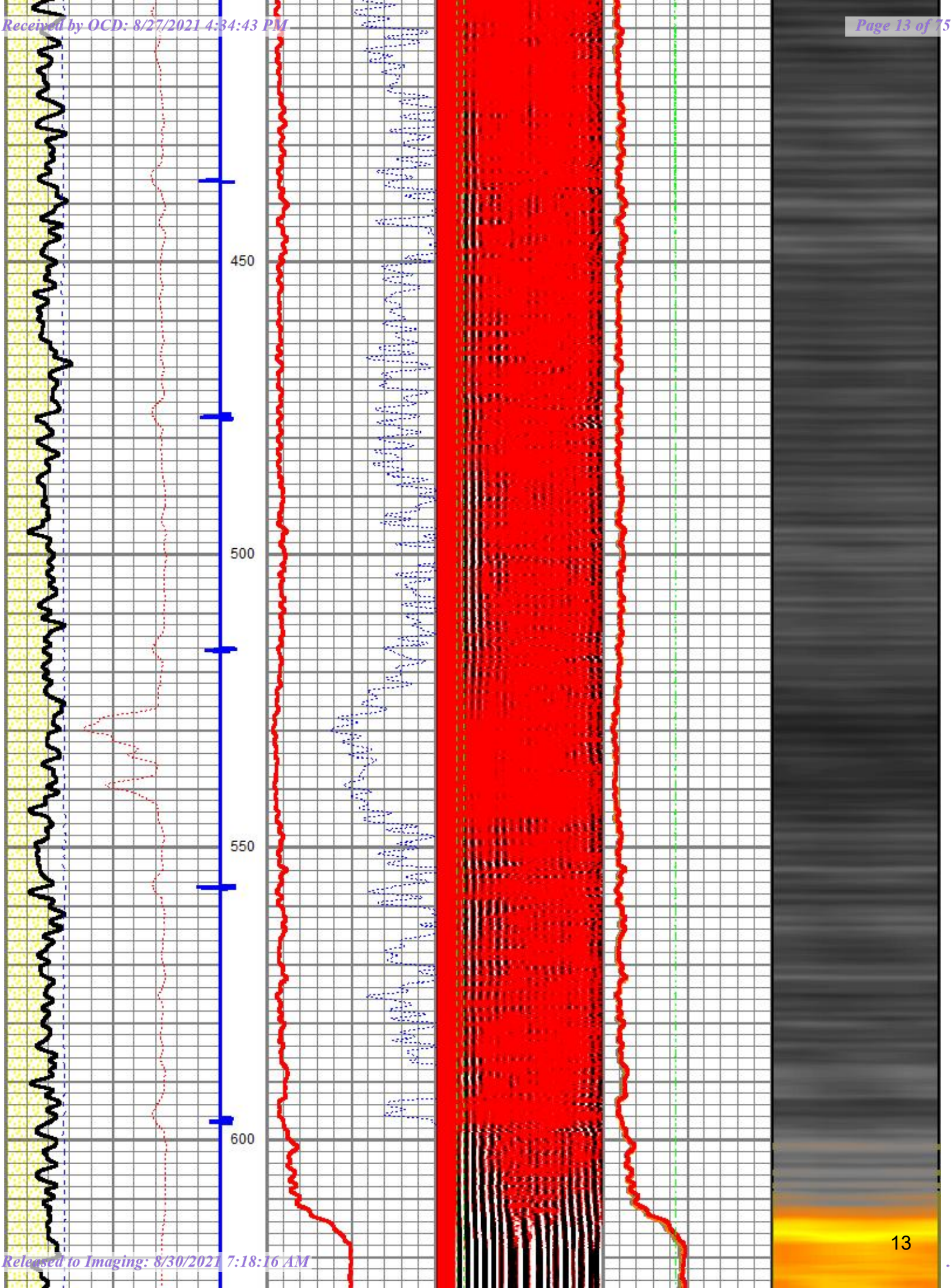
200	VDL (usec)	1200
	Free Pipe Gate	

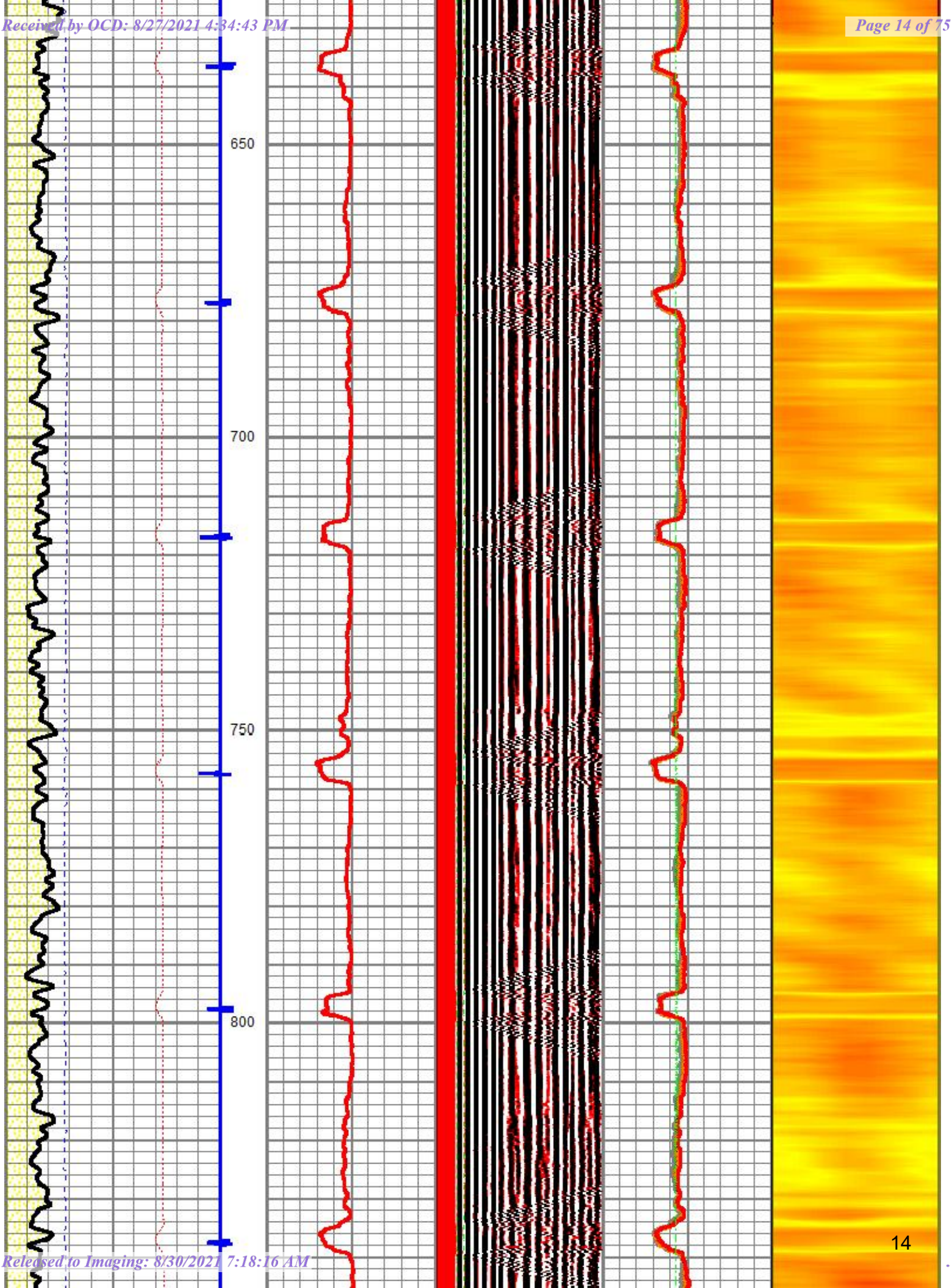
-5	AMPMIN	150
-5	AMPAVG	150
-5	AMPMAX	150
0	TEMP (degF)	200

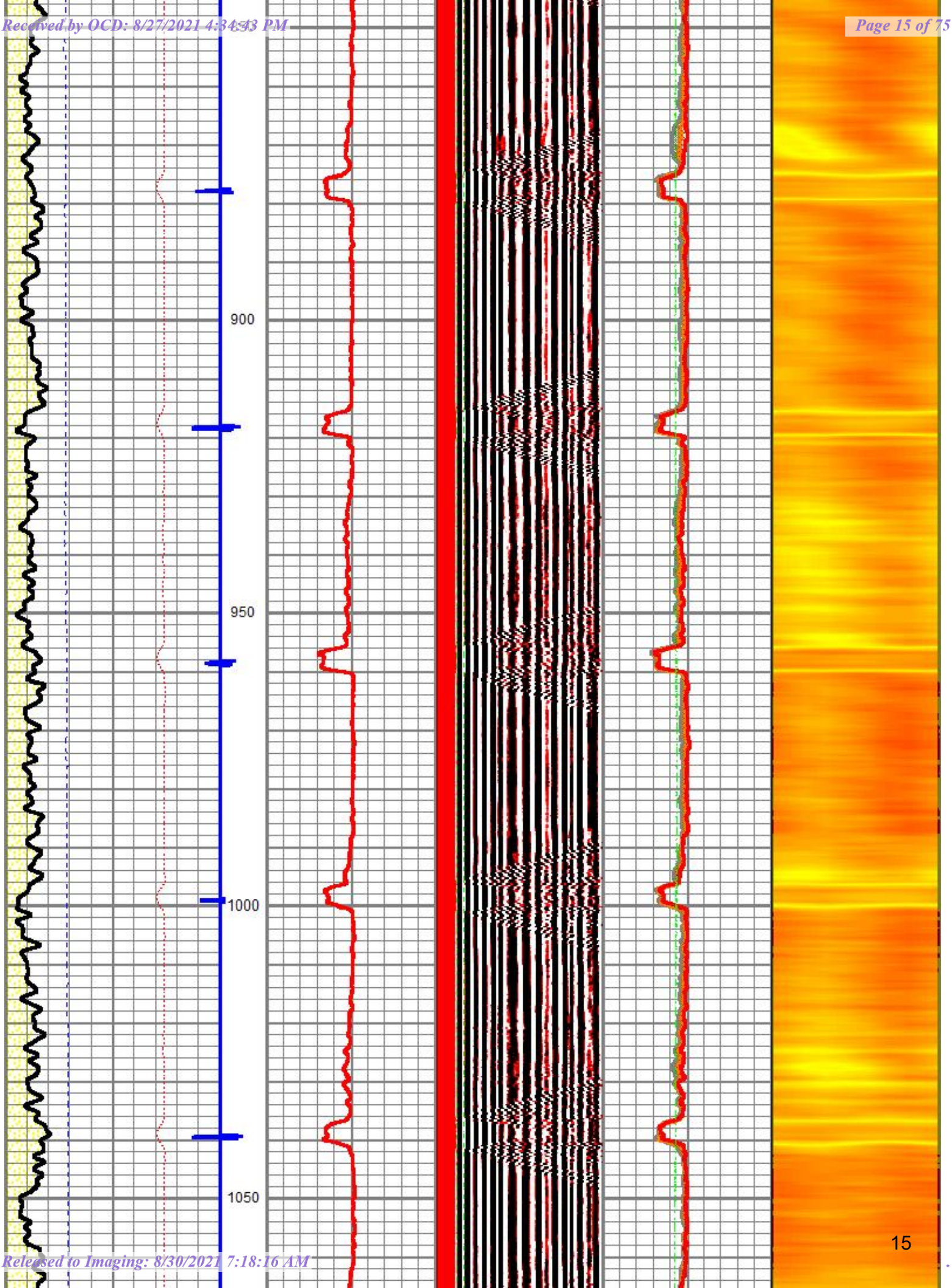
Cement Map

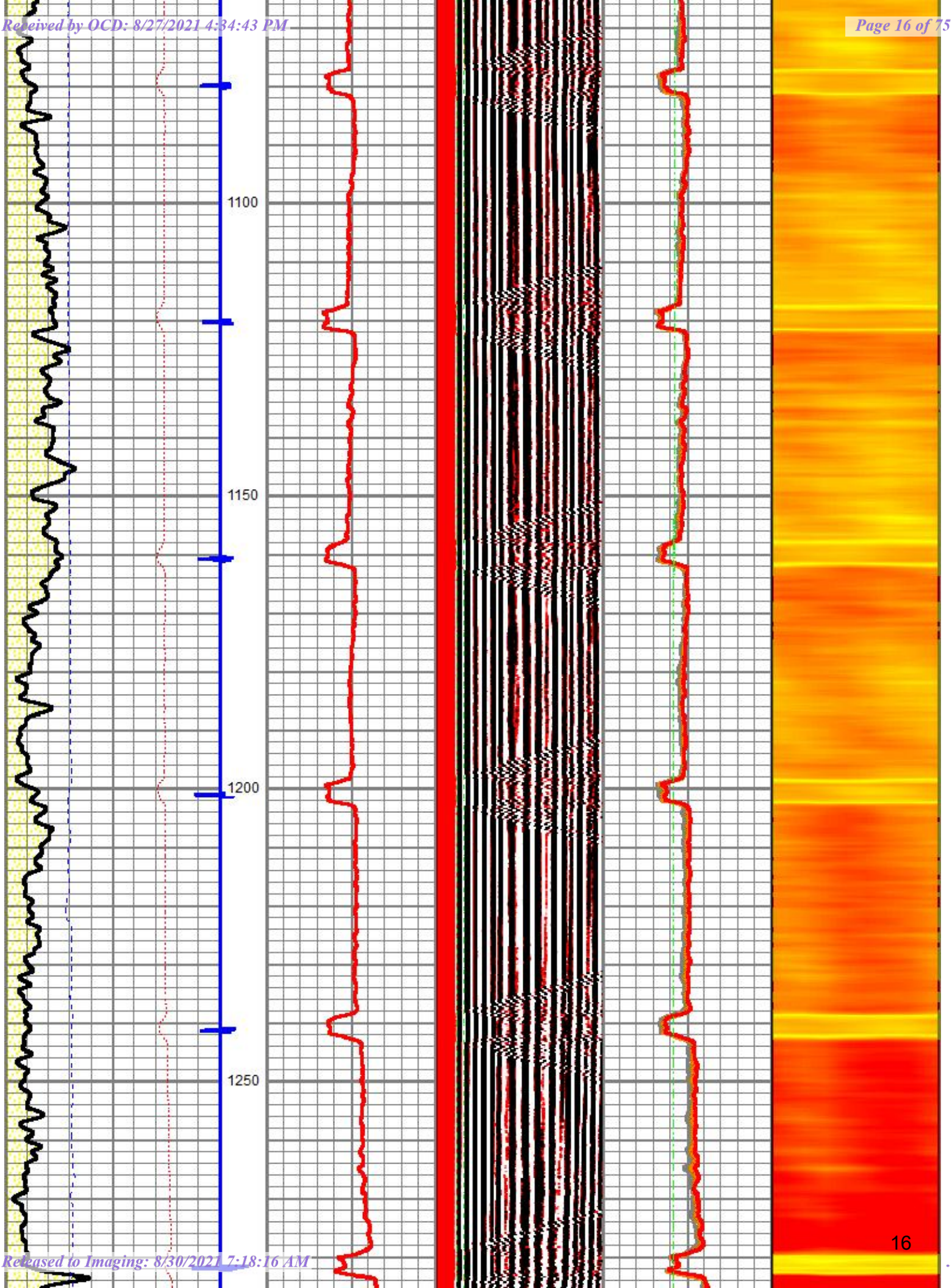


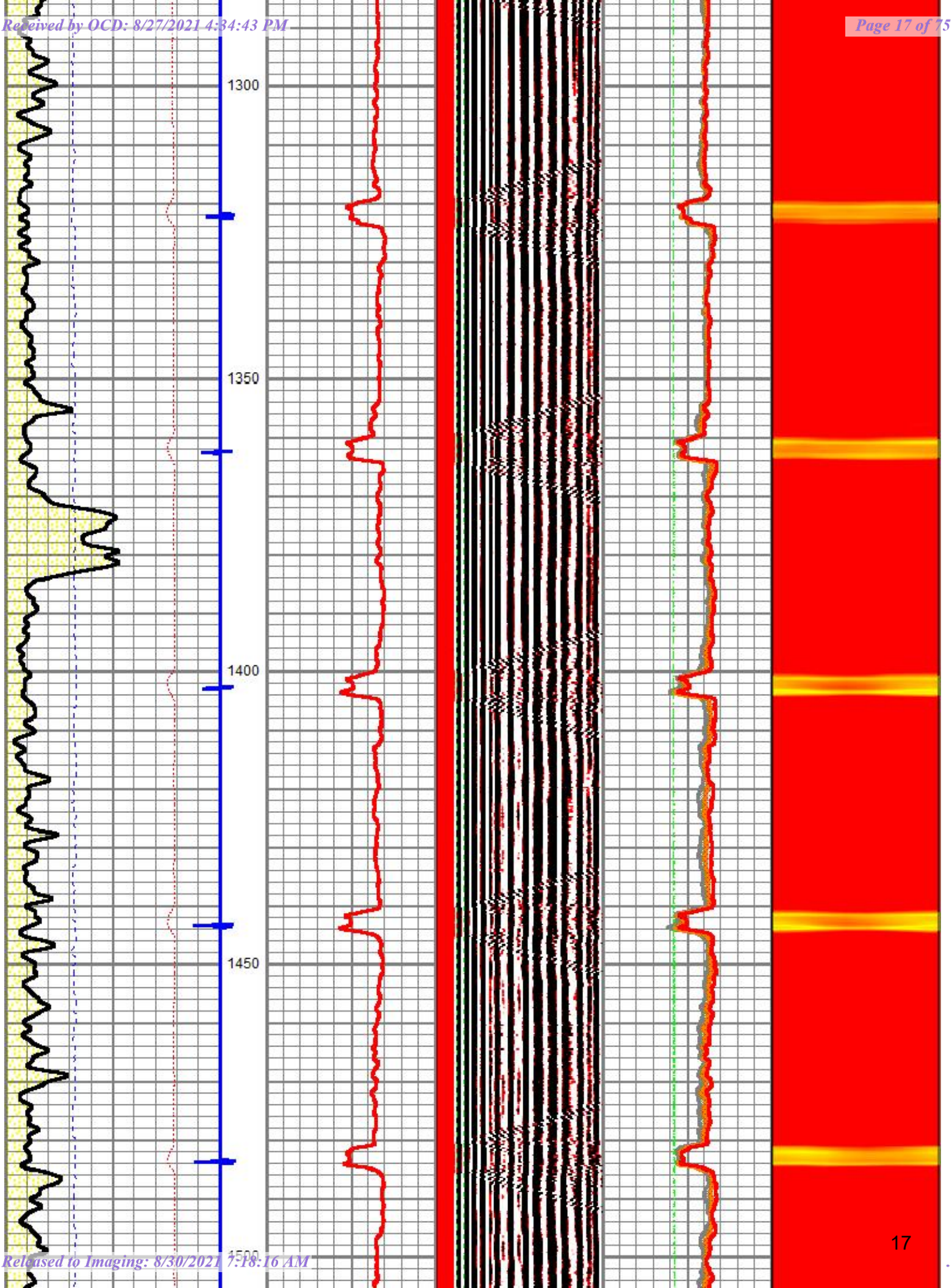

200
250
300
350
400

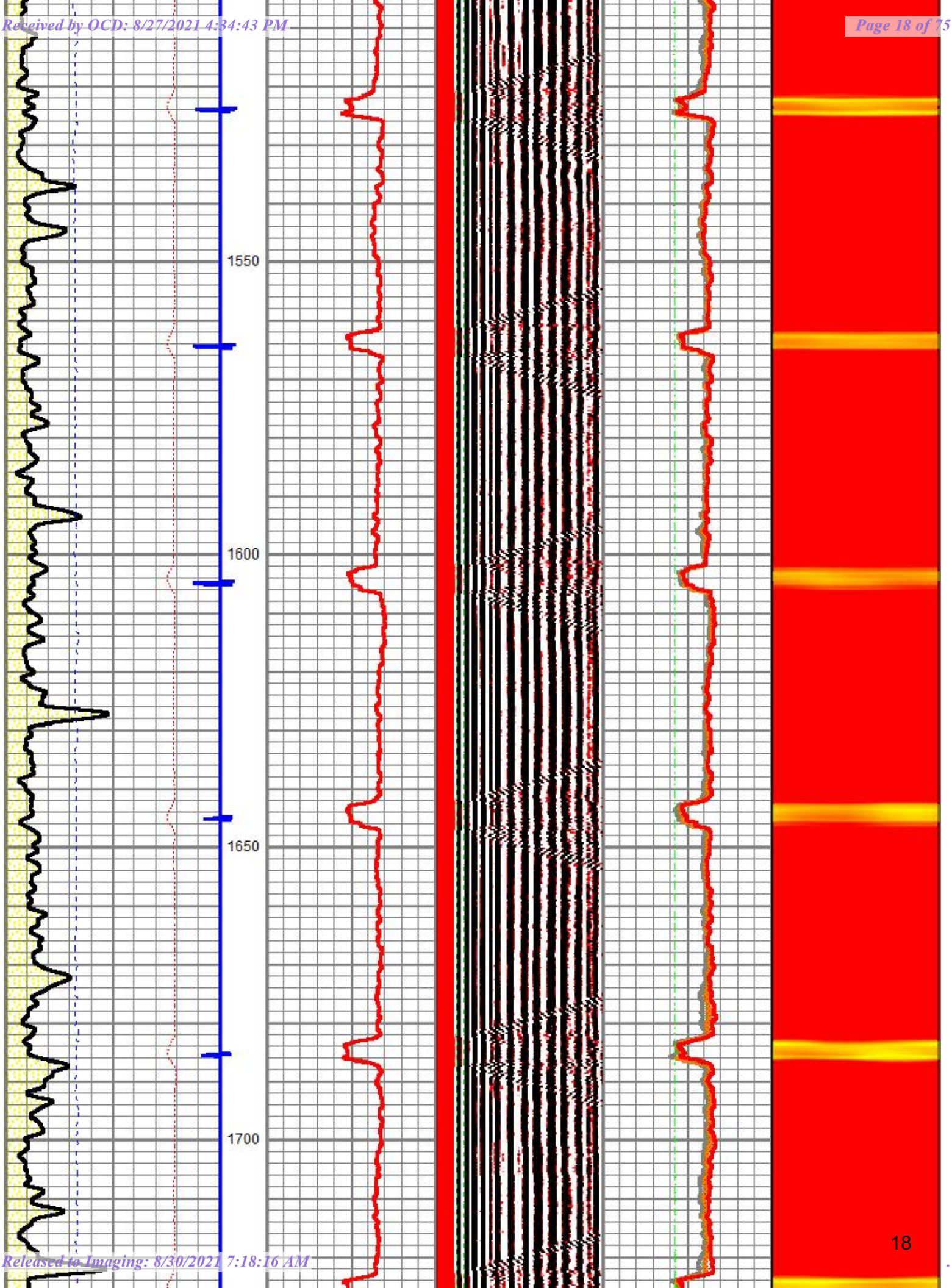

450
500
550
600

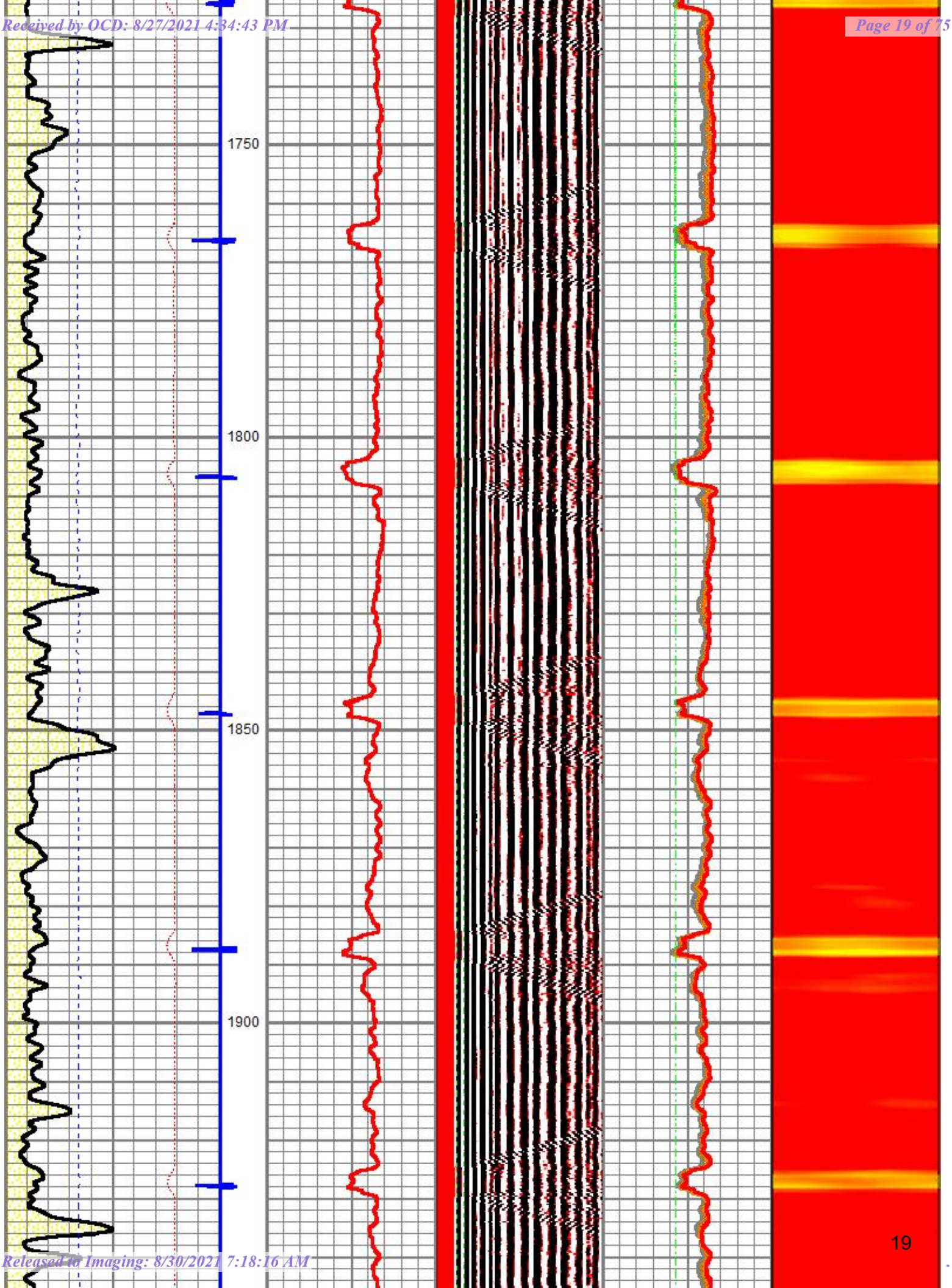

650
700
750
800

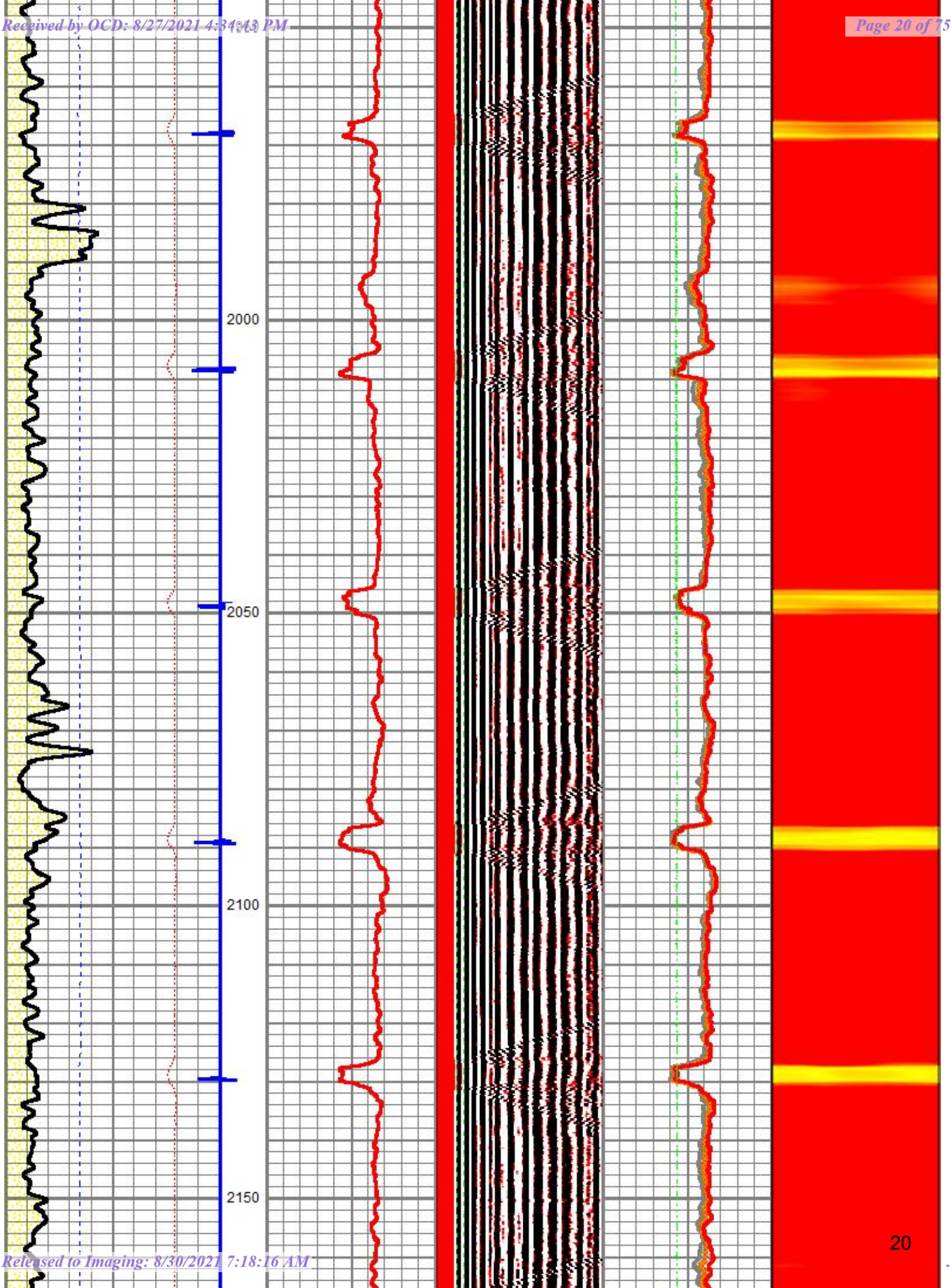

900
950
1000
1050

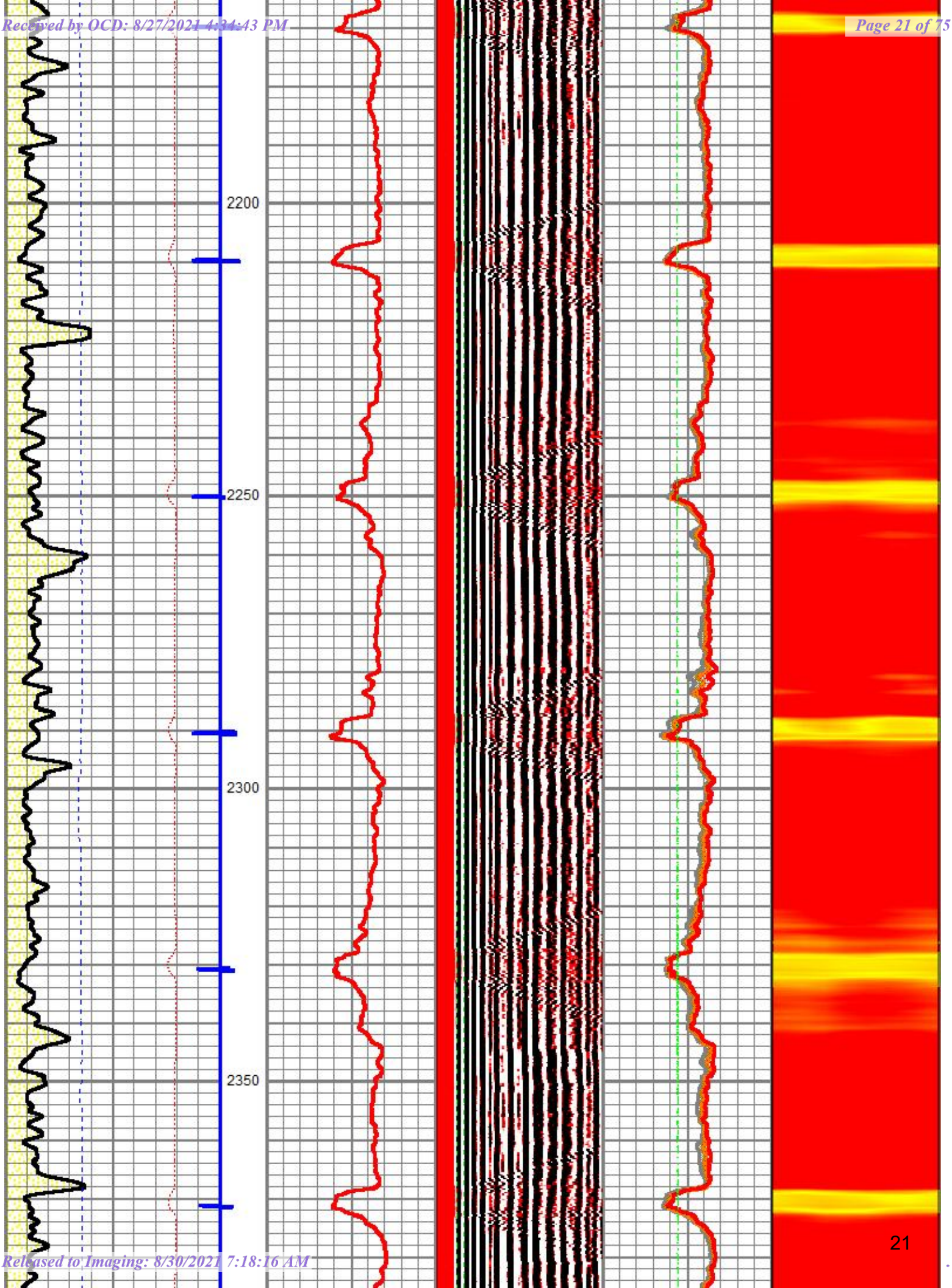

1100
1150
1200
1250

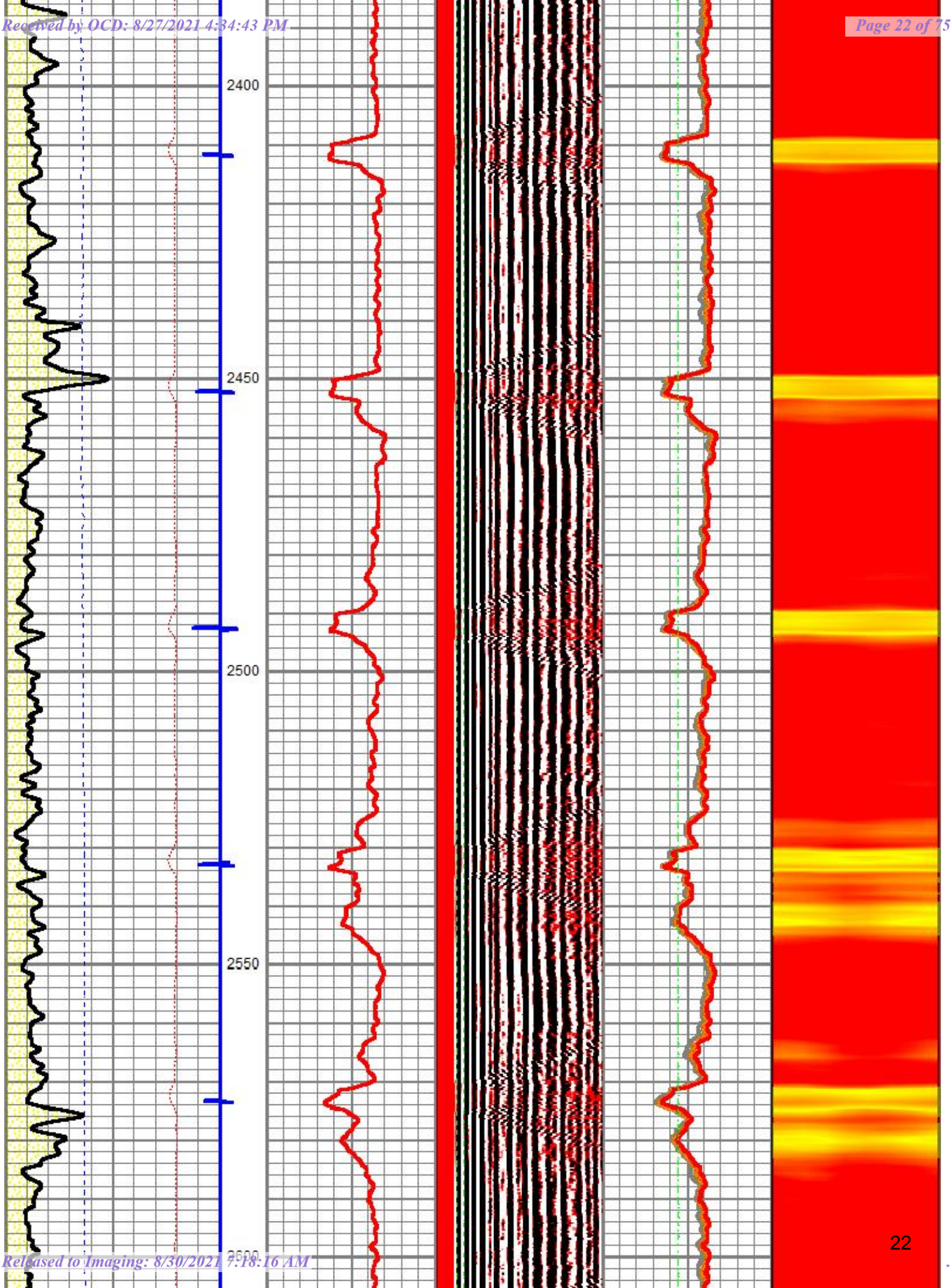

1300
1350
1400
1450

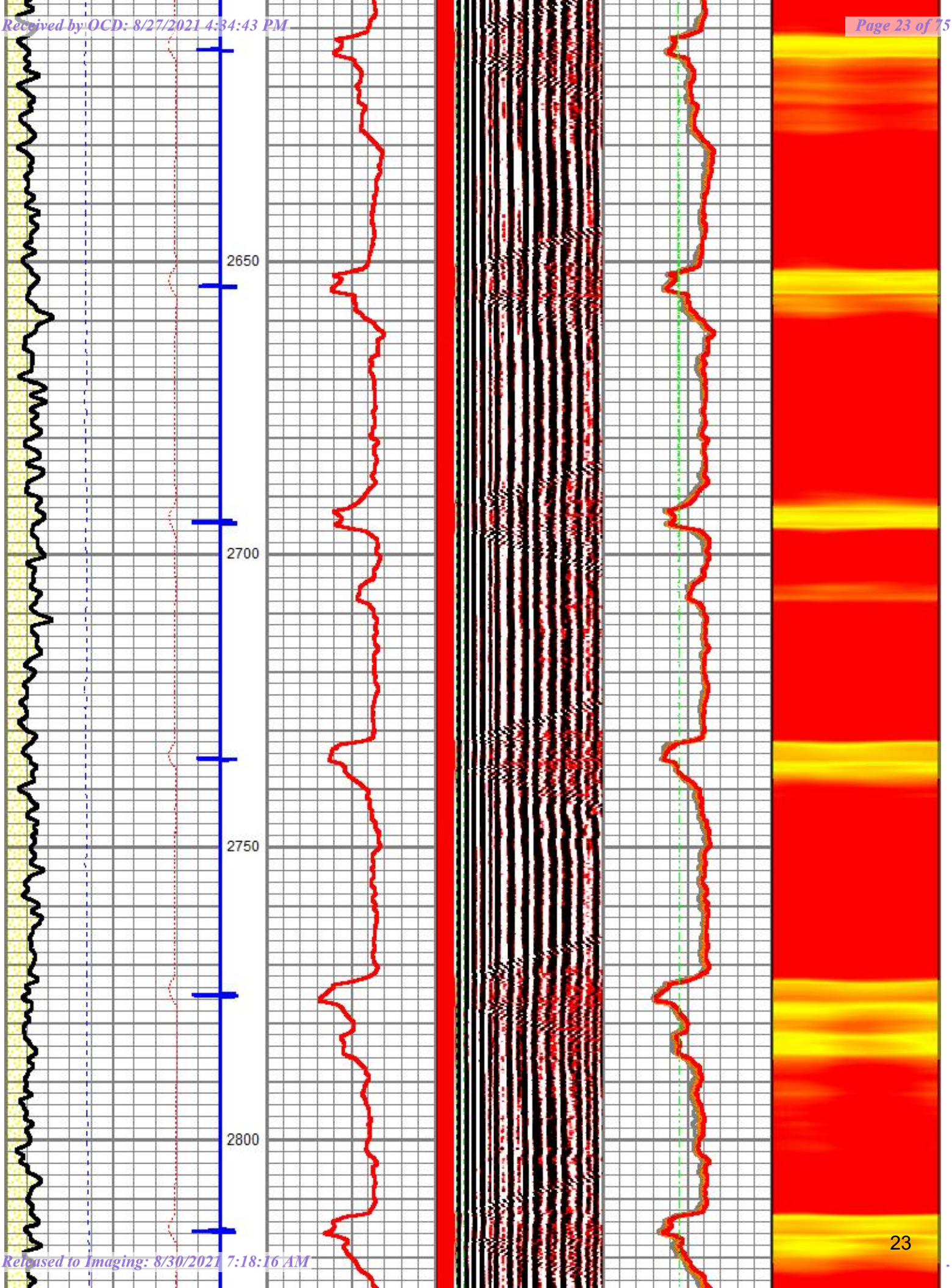

1550
1600
1650
1700

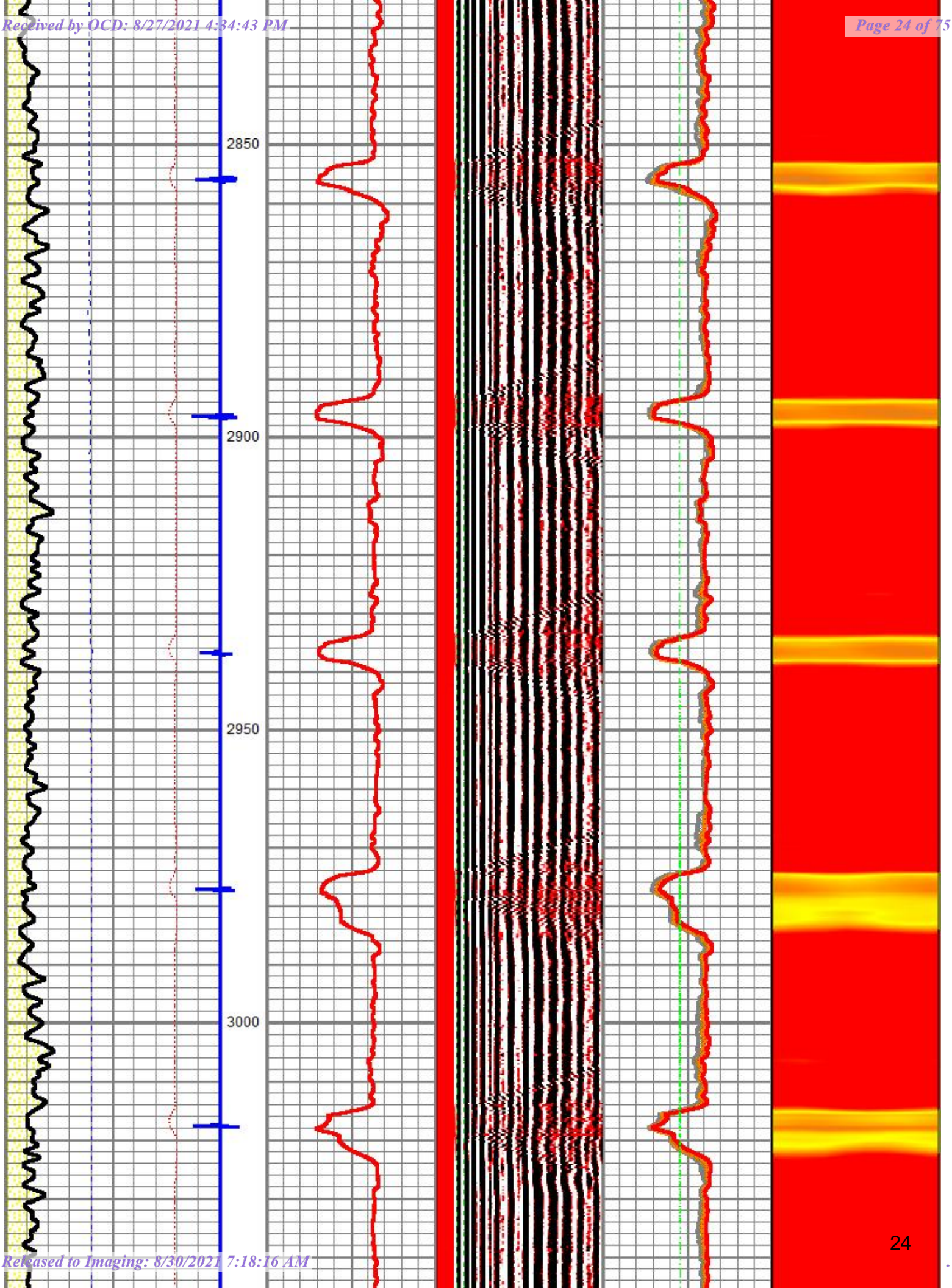

1750
1800
1850
1900

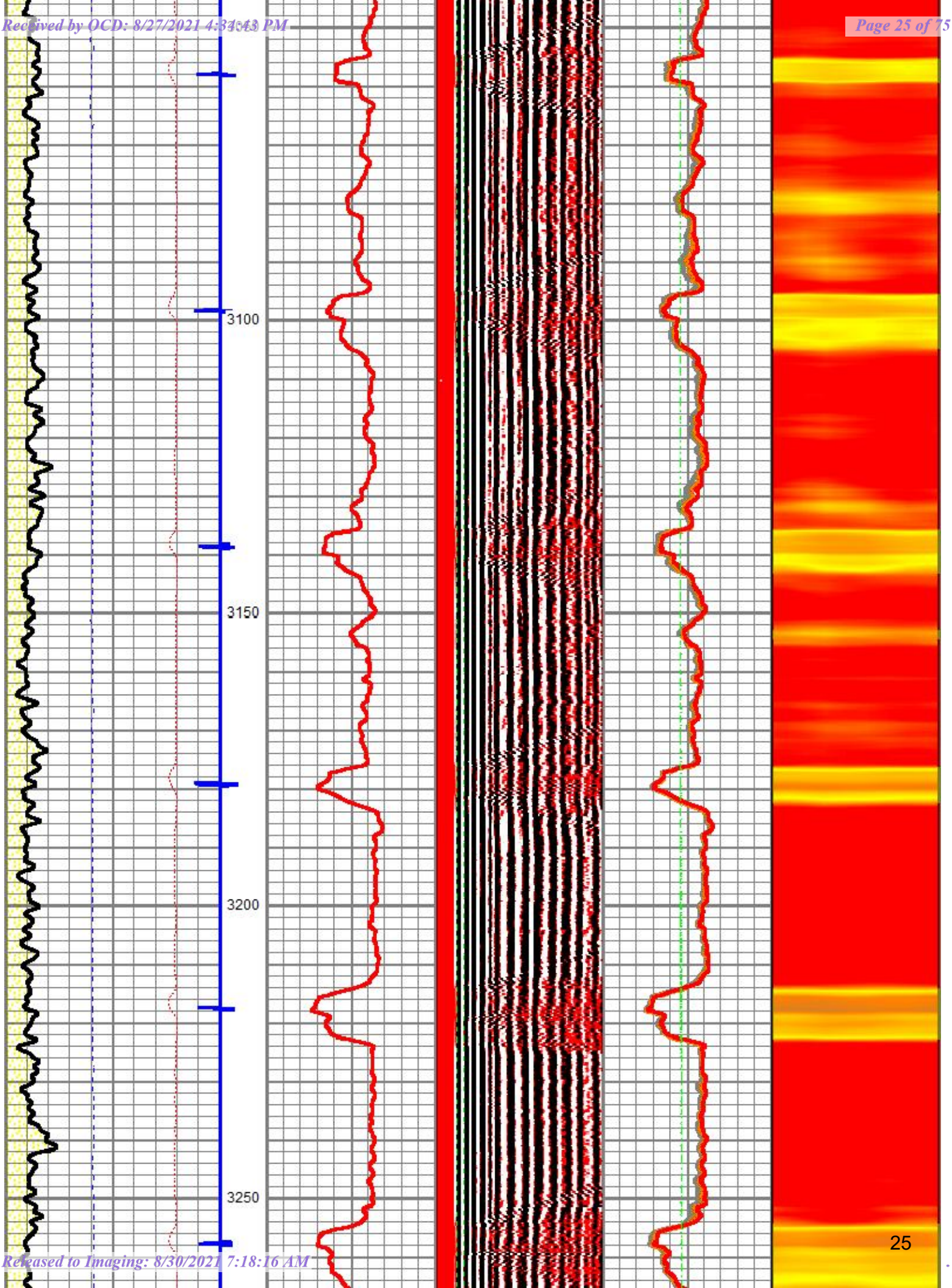

2000
2050
2100
2150

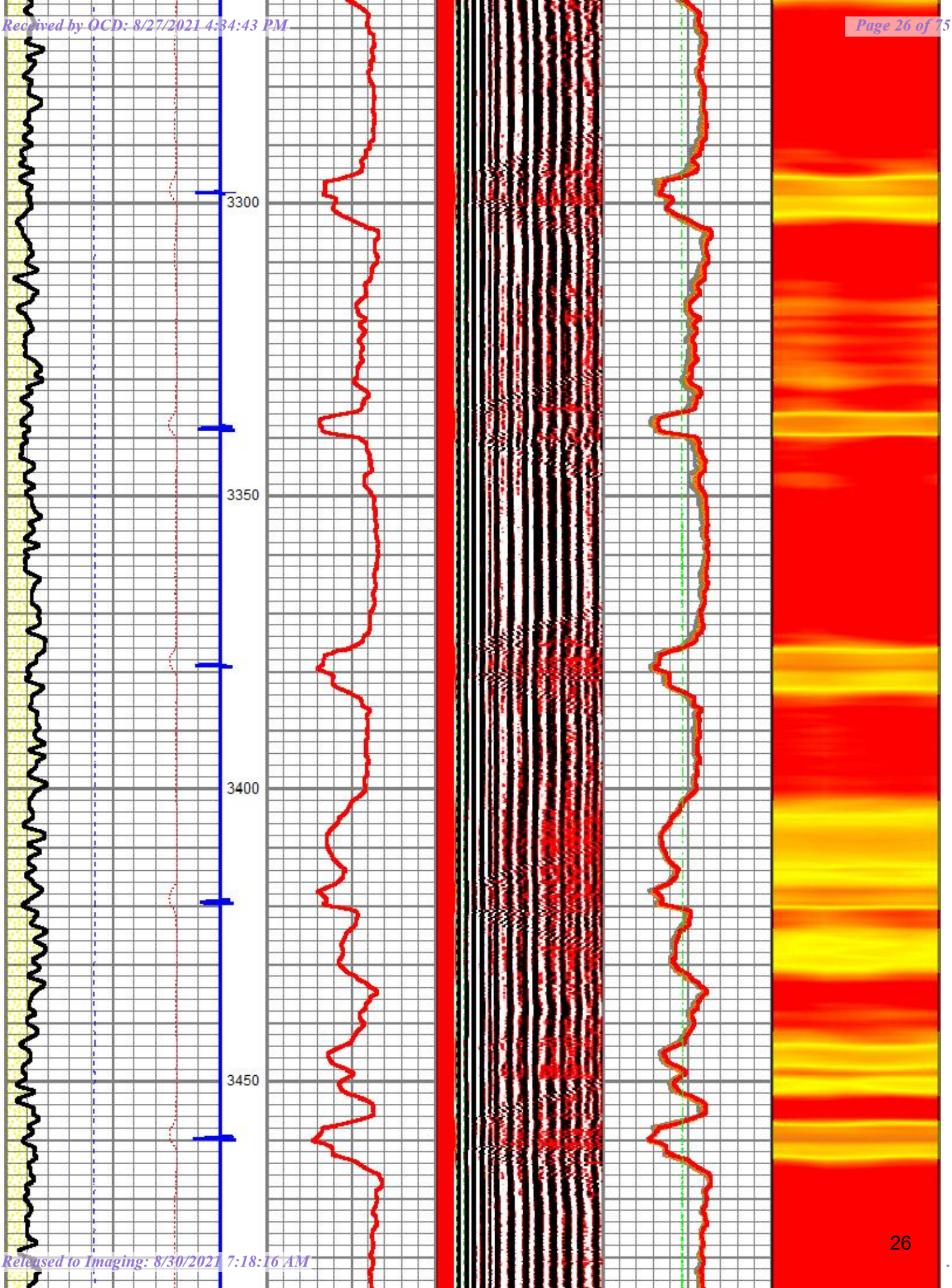

2200
2250
2300
2350

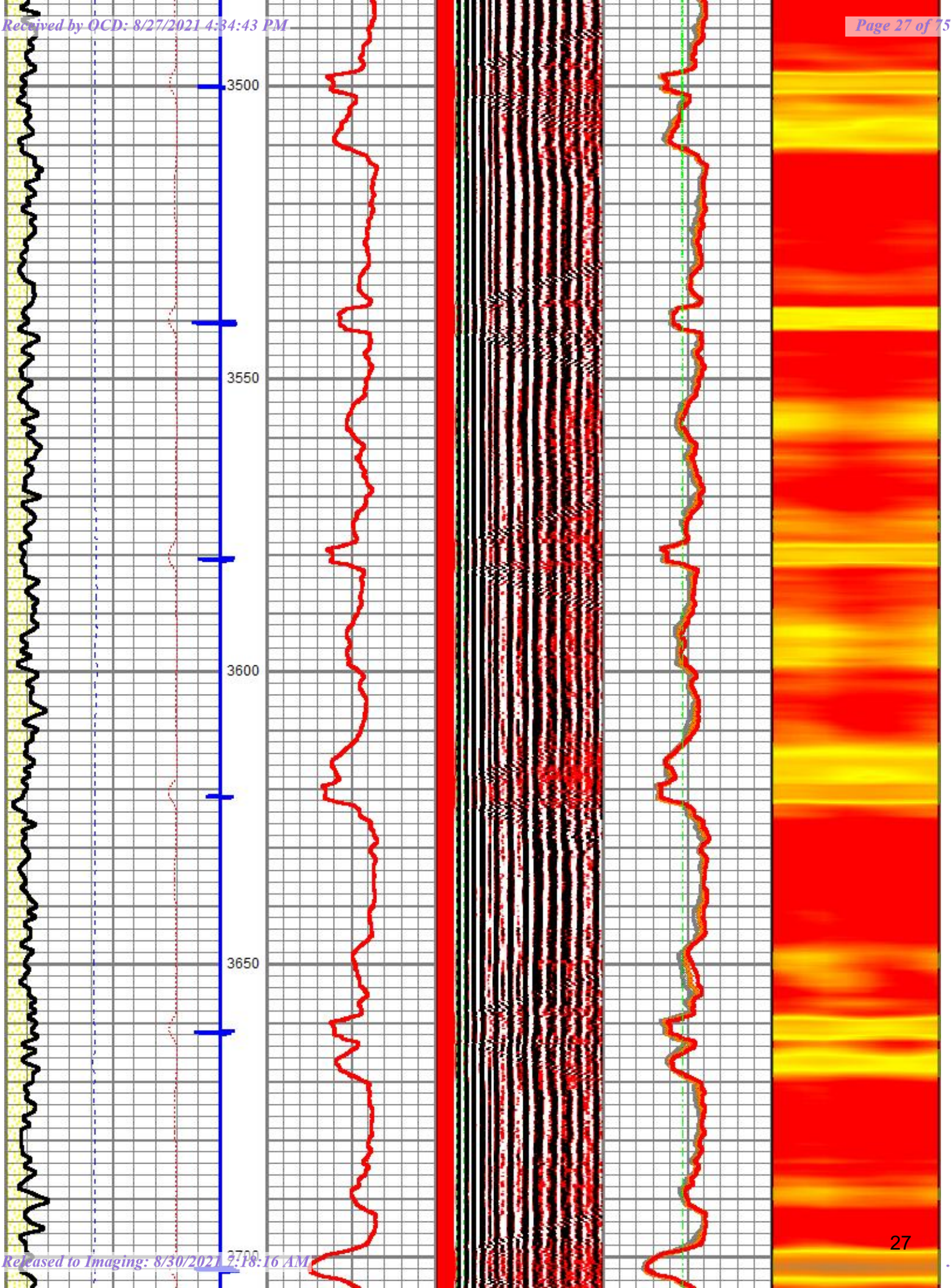

2400
2450
2500
2550

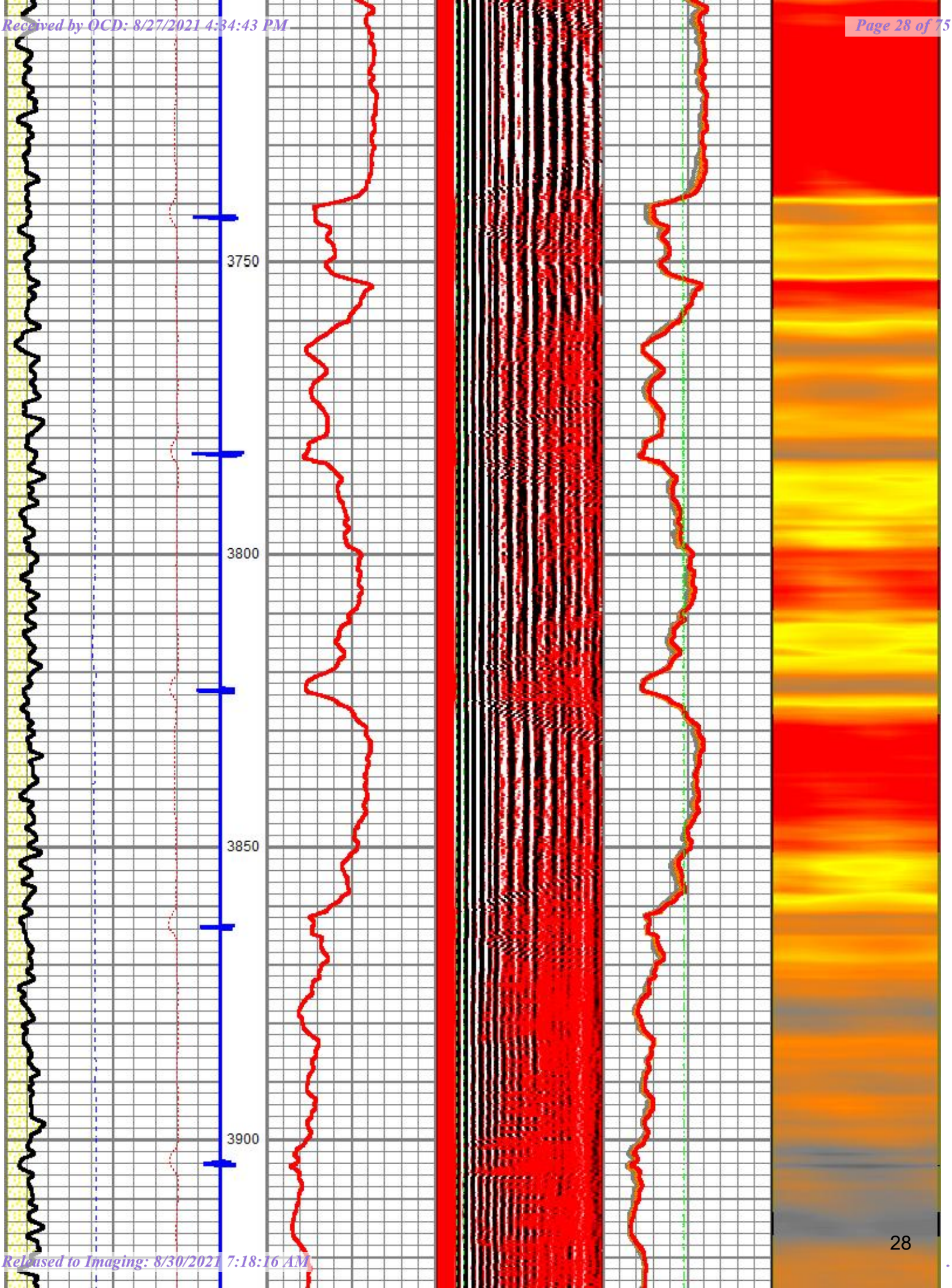

2650
2700
2750
2800

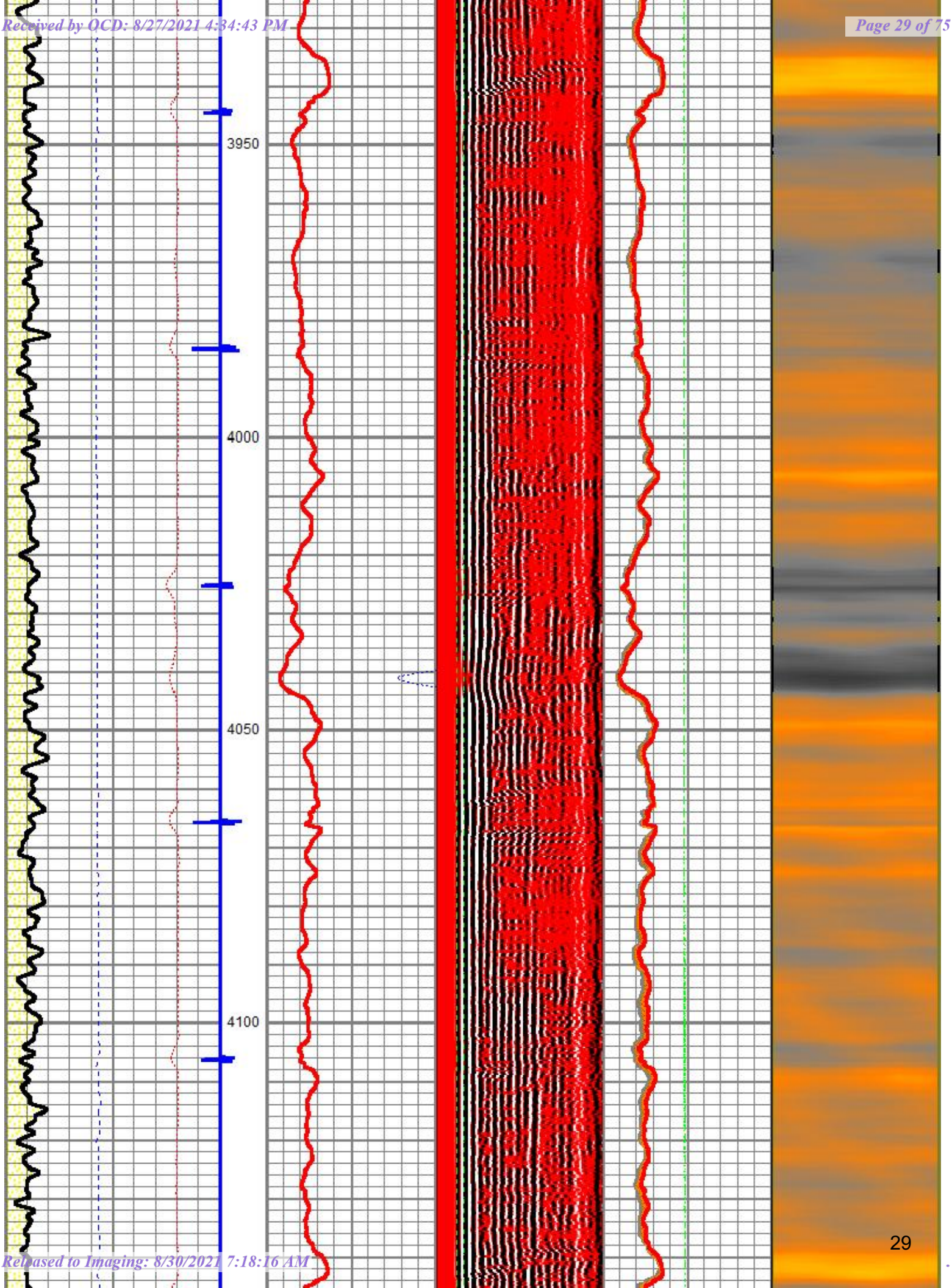

2850
2900
2950
3000

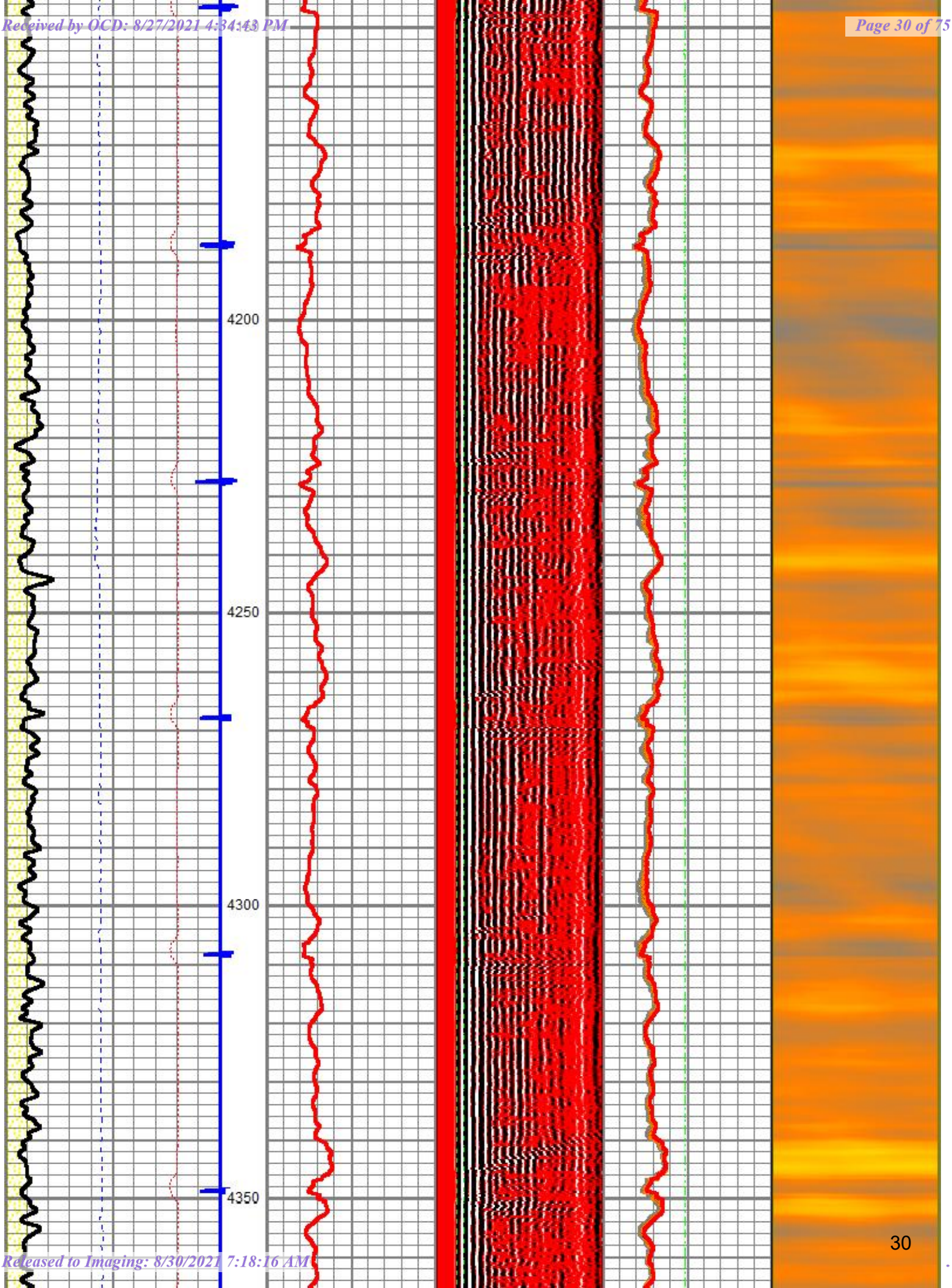

3100
3150
3200
3250

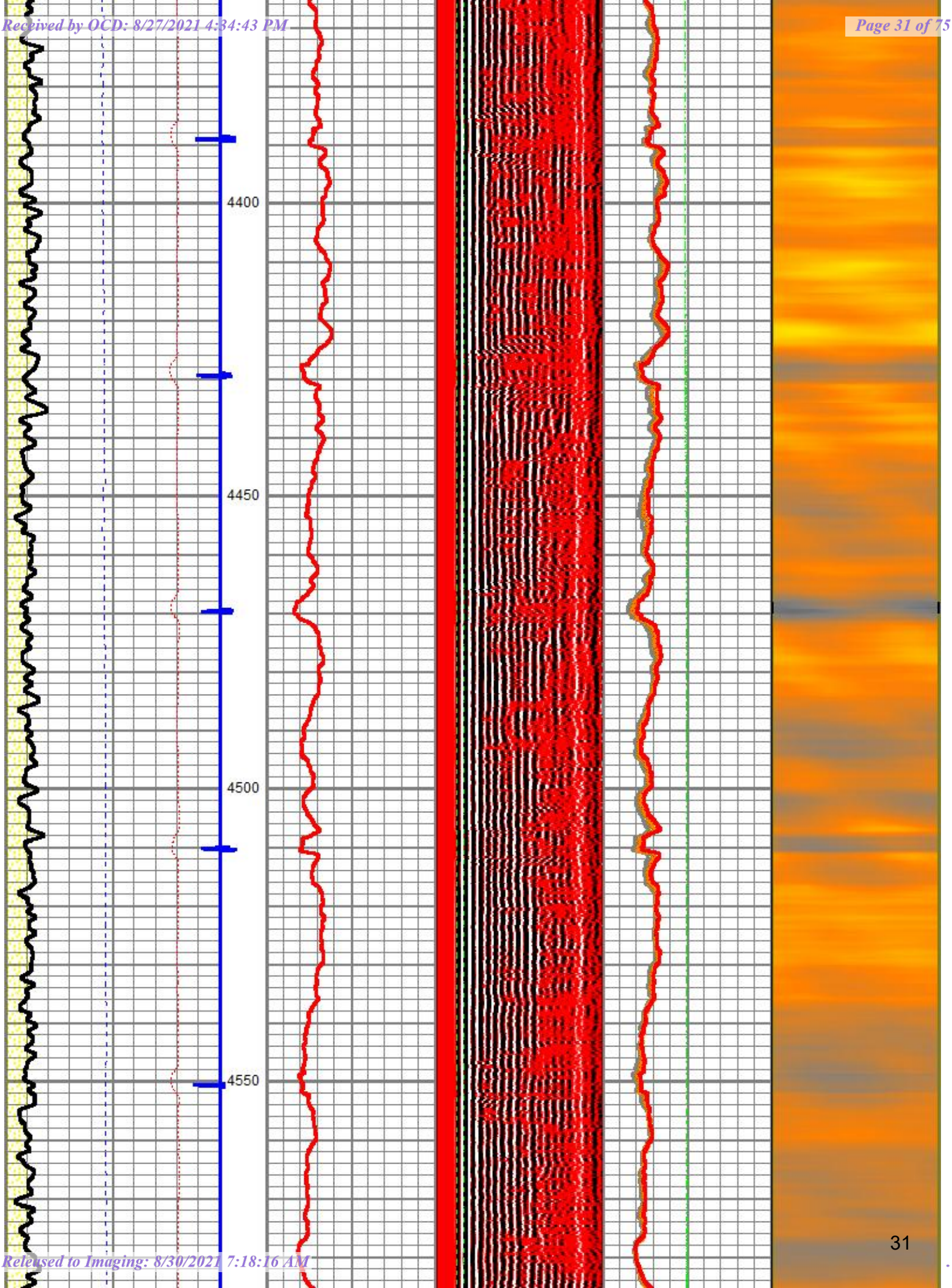

3300
3350
3400
3450

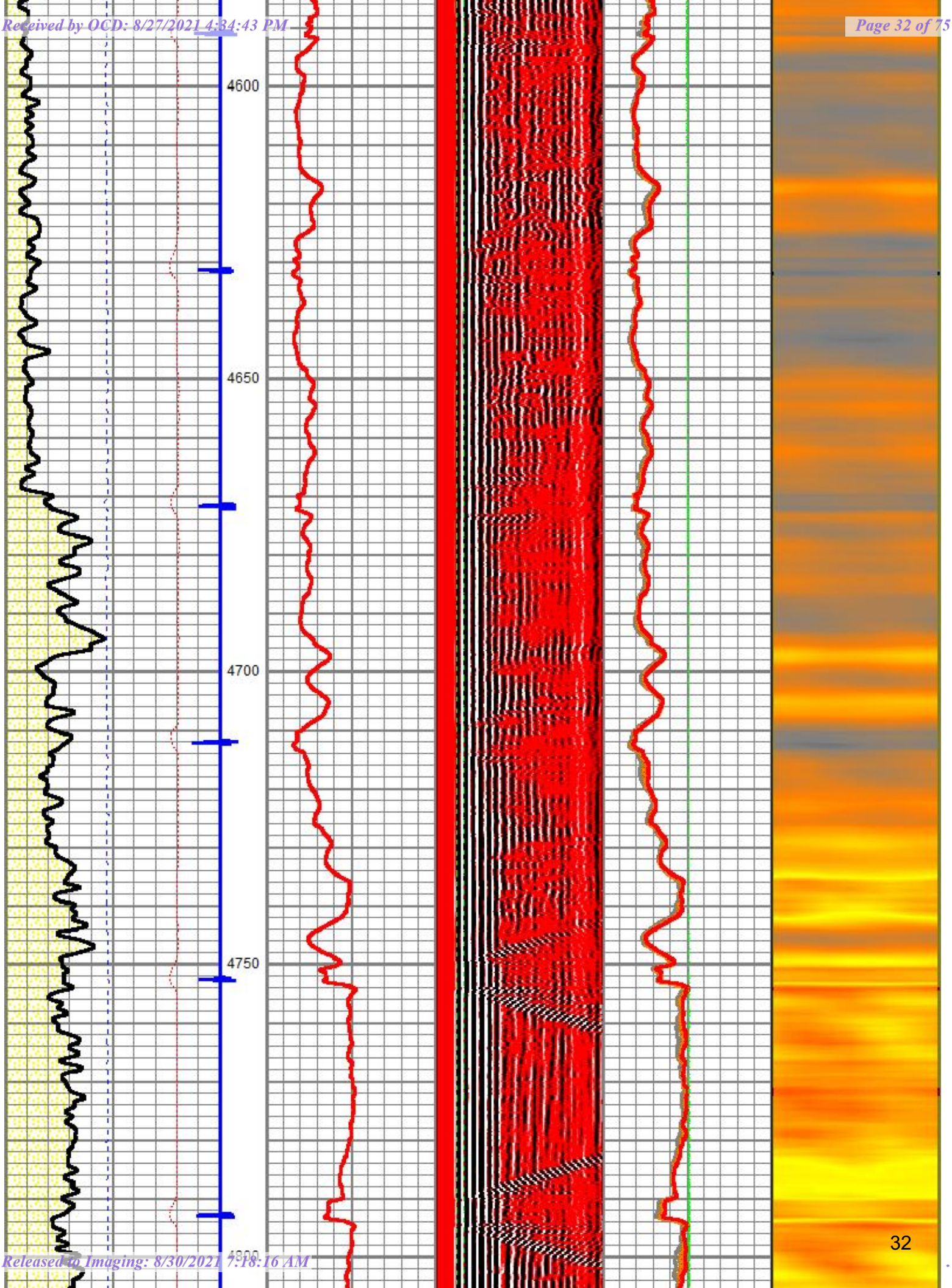

3500
3550
3600
3650
3700

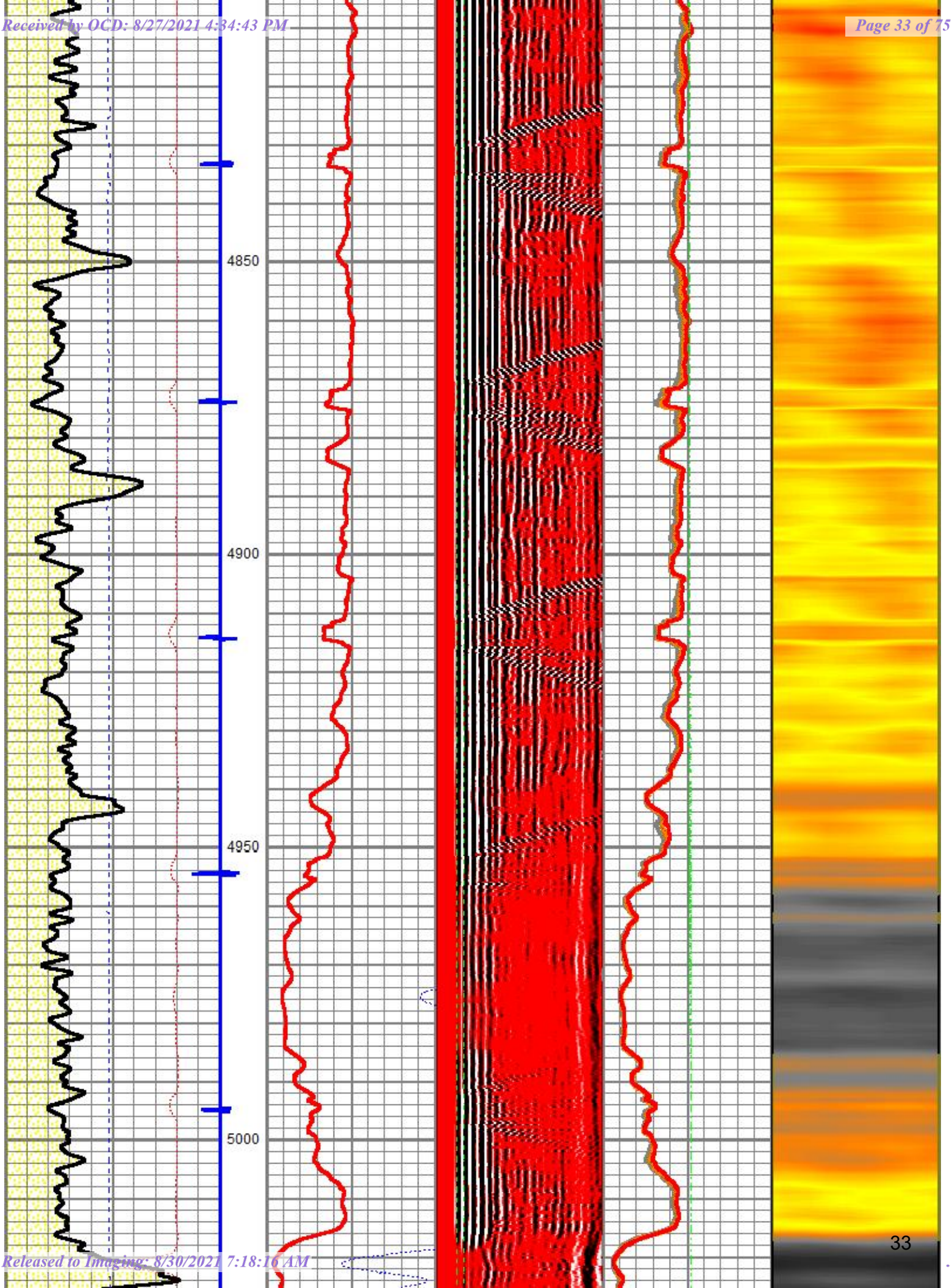

3750
3800
3850
3900

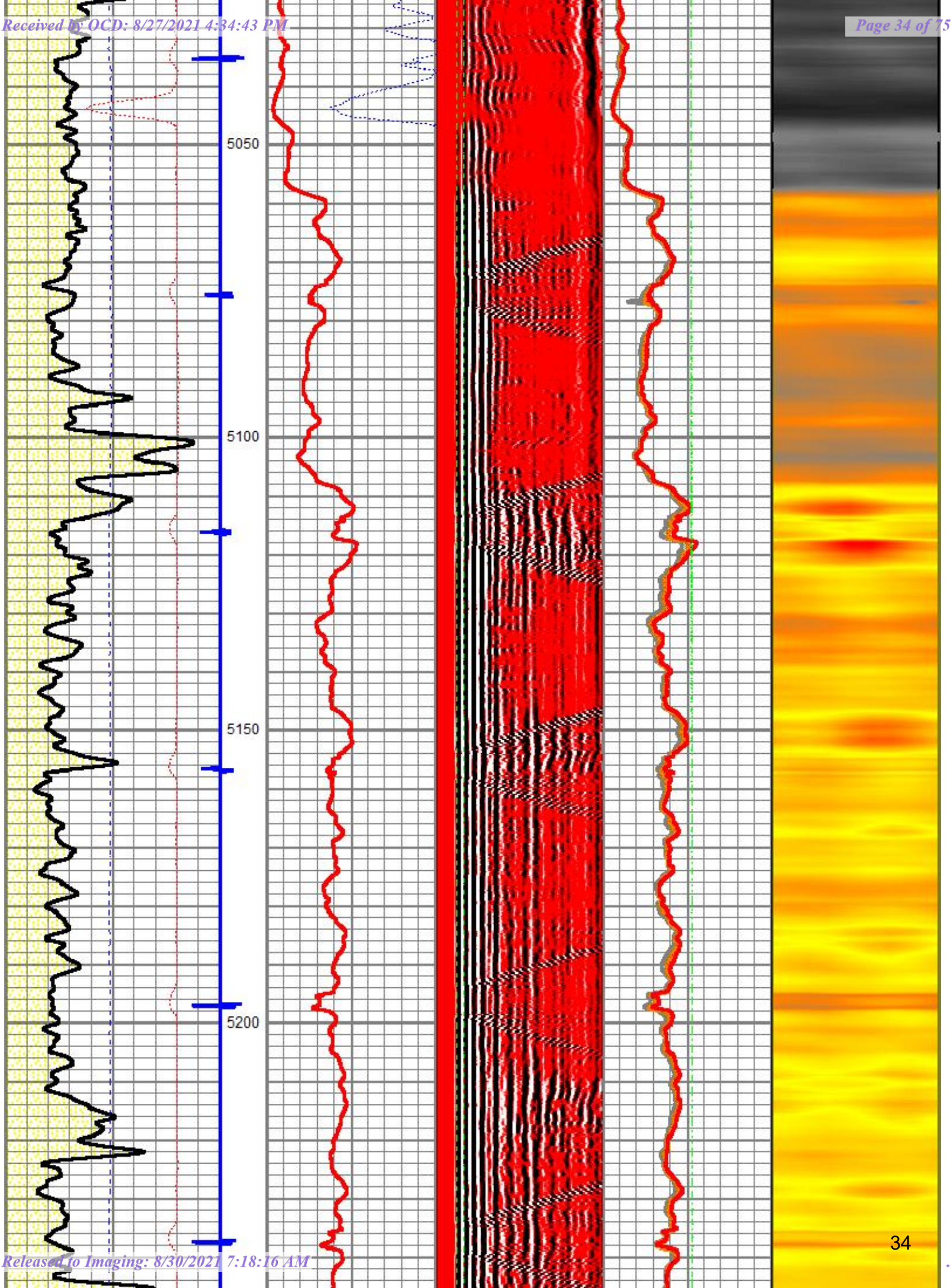

3950
4000
4050
4100

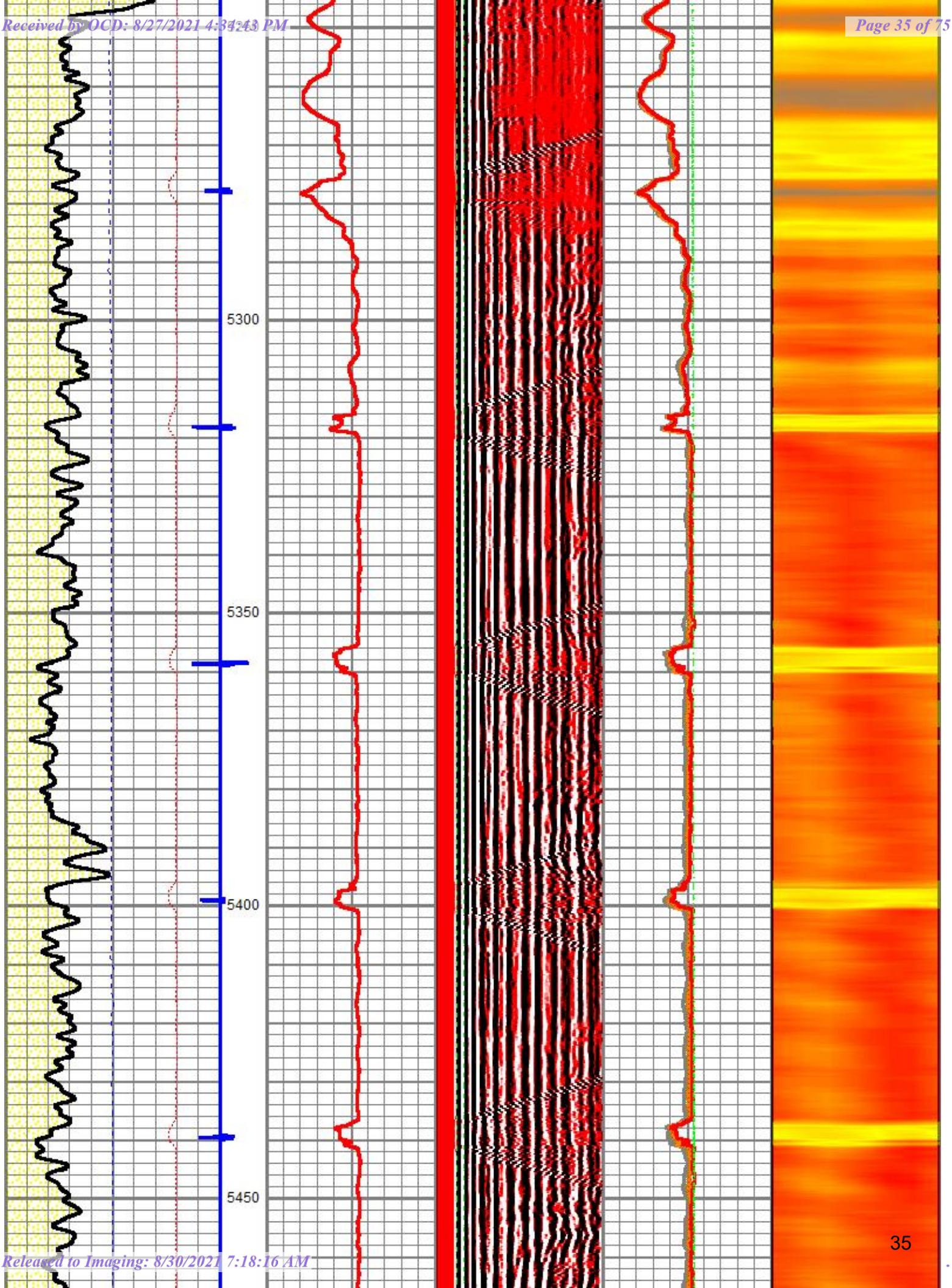

4200
4250
4300
4350

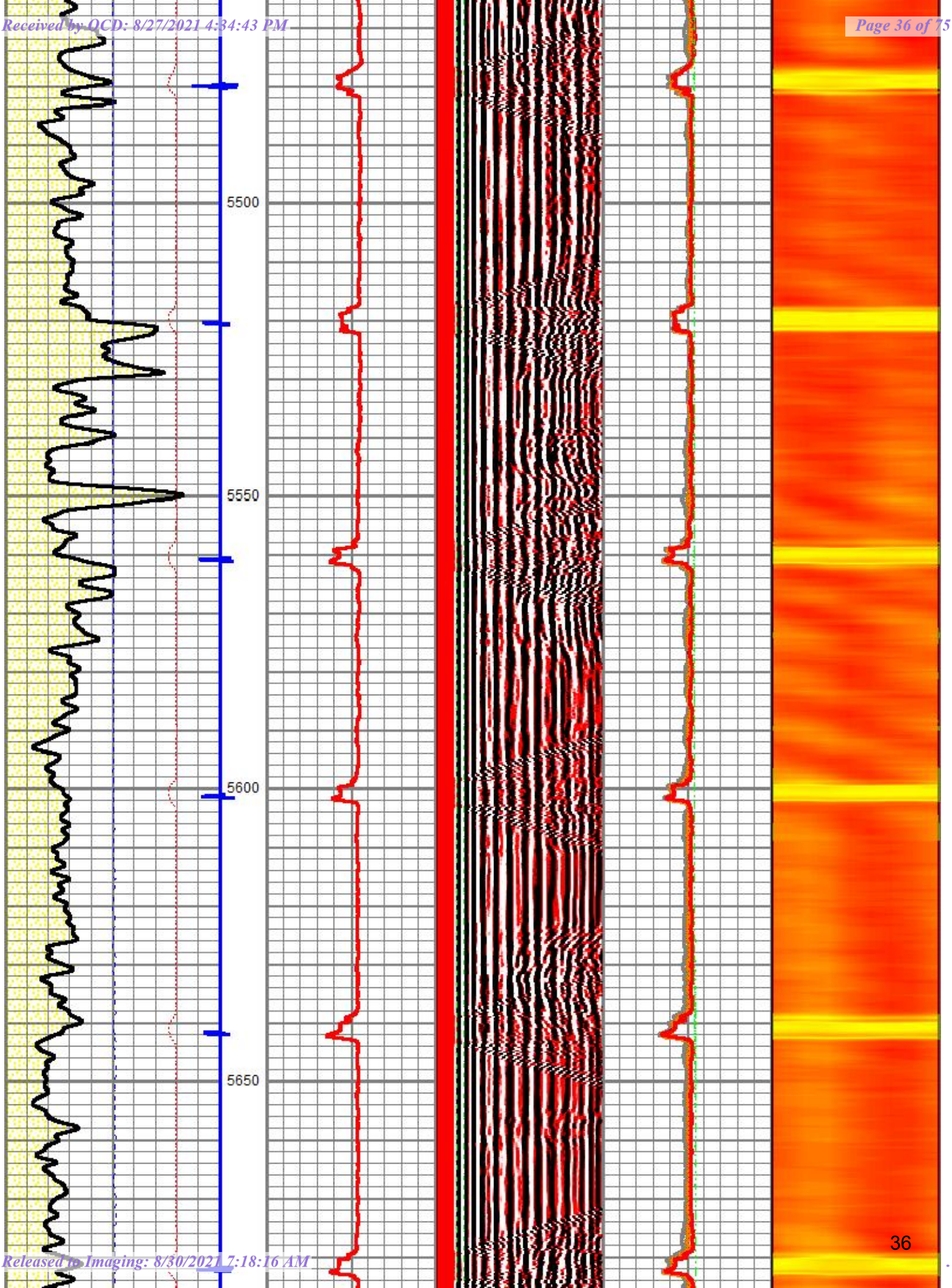

4400
4450
4500
4550

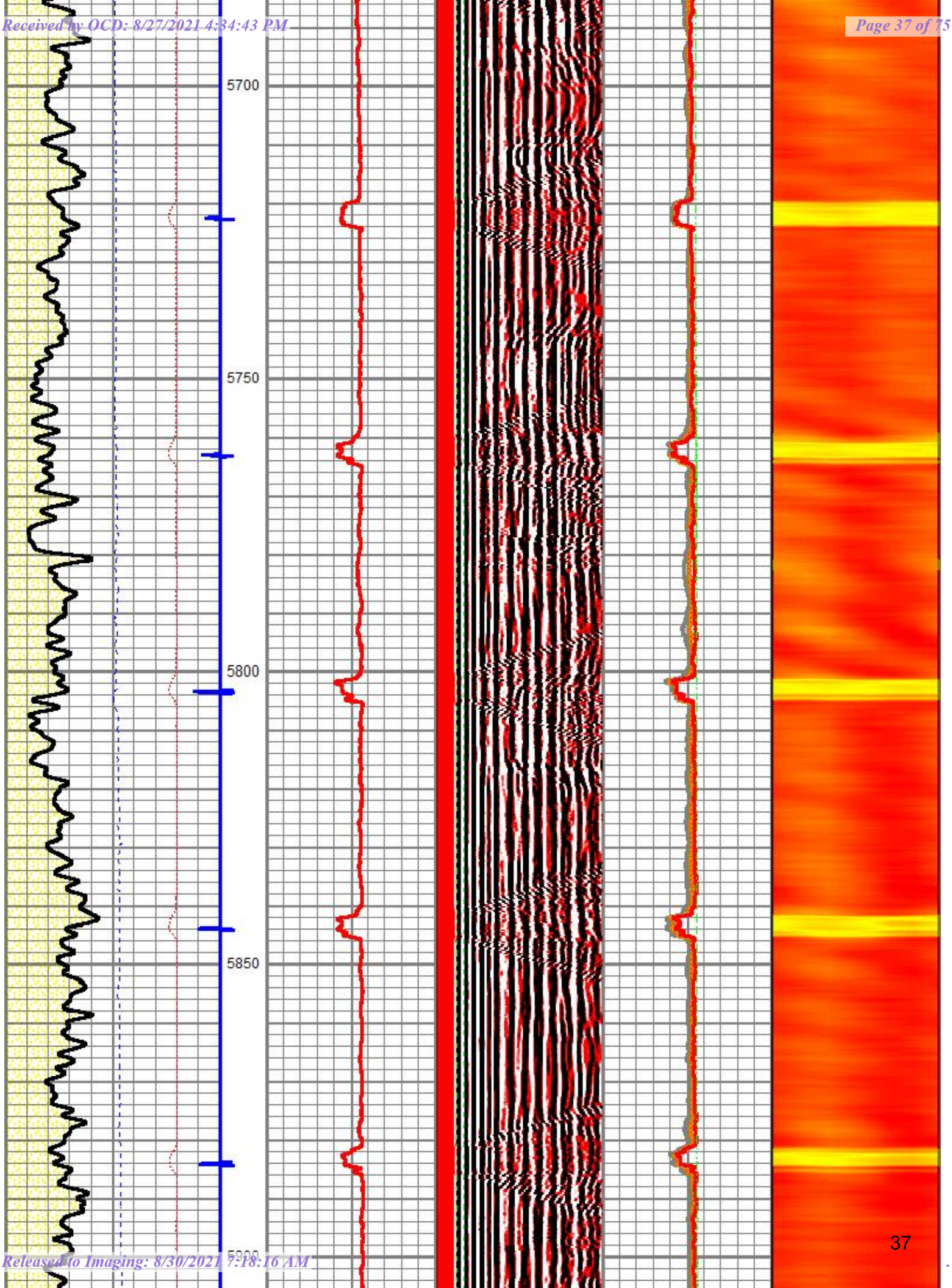

4600
4650
4700
4750

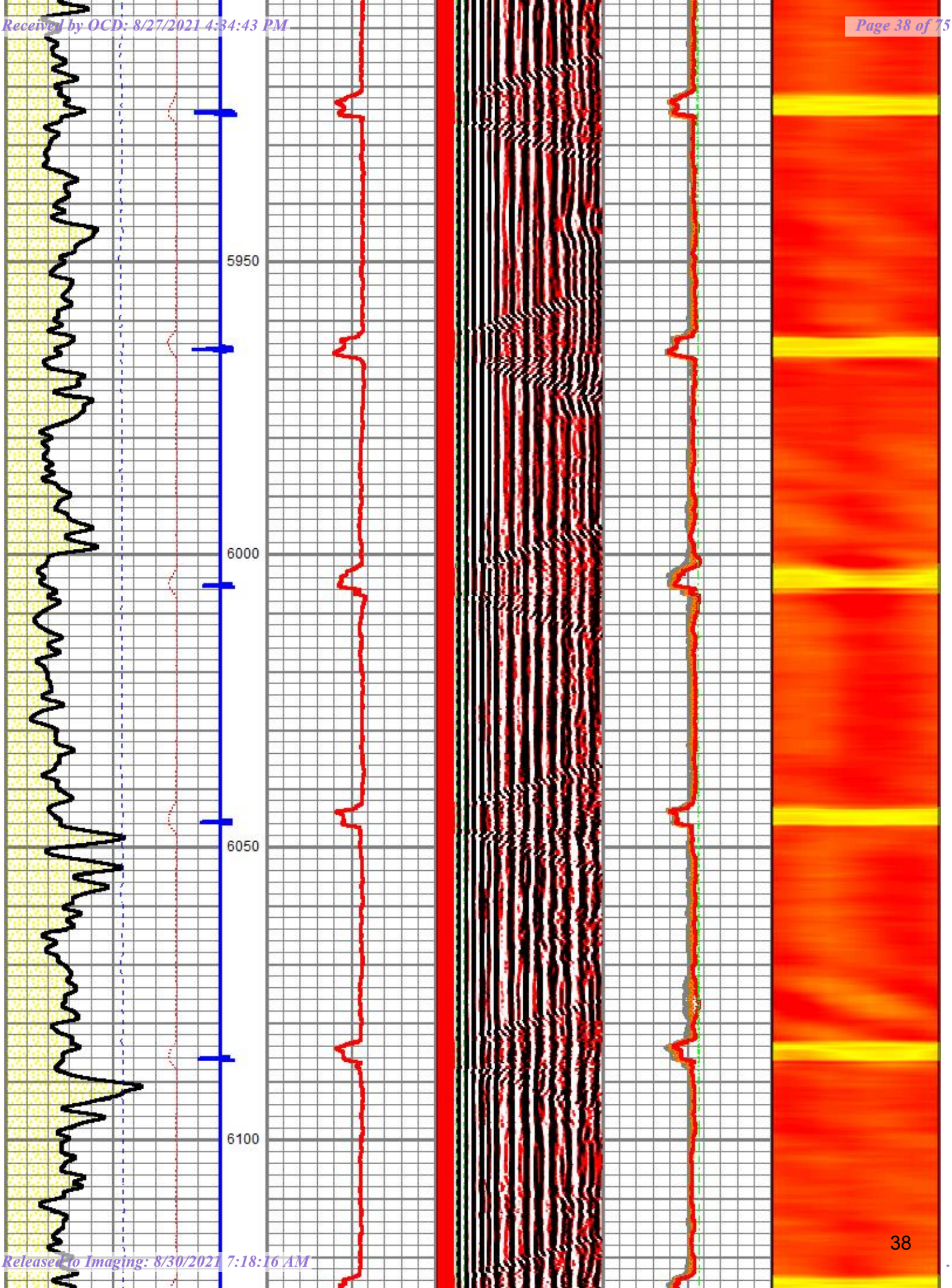

4850
4900
4950
5000

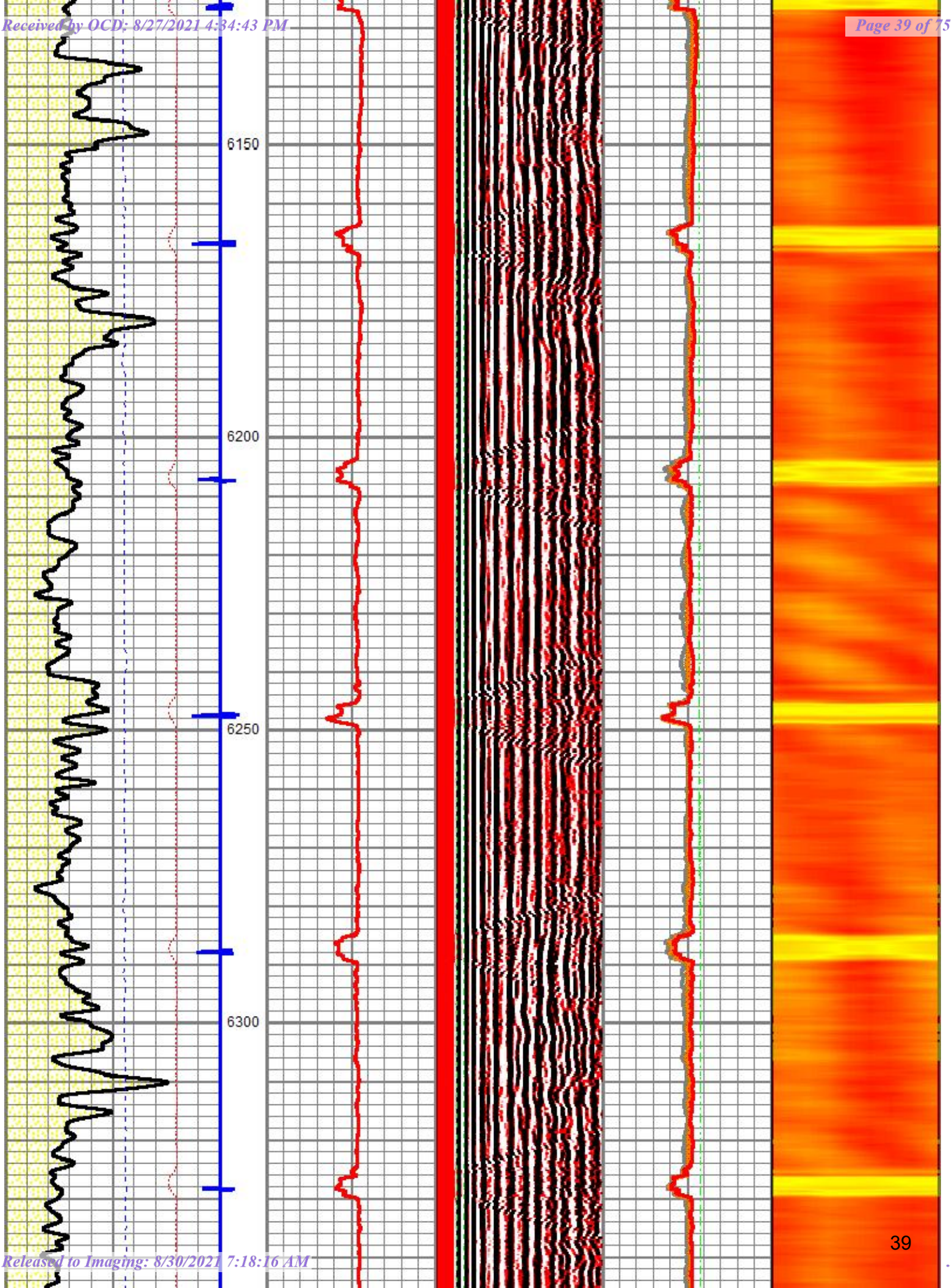

5050
5100
5150
5200

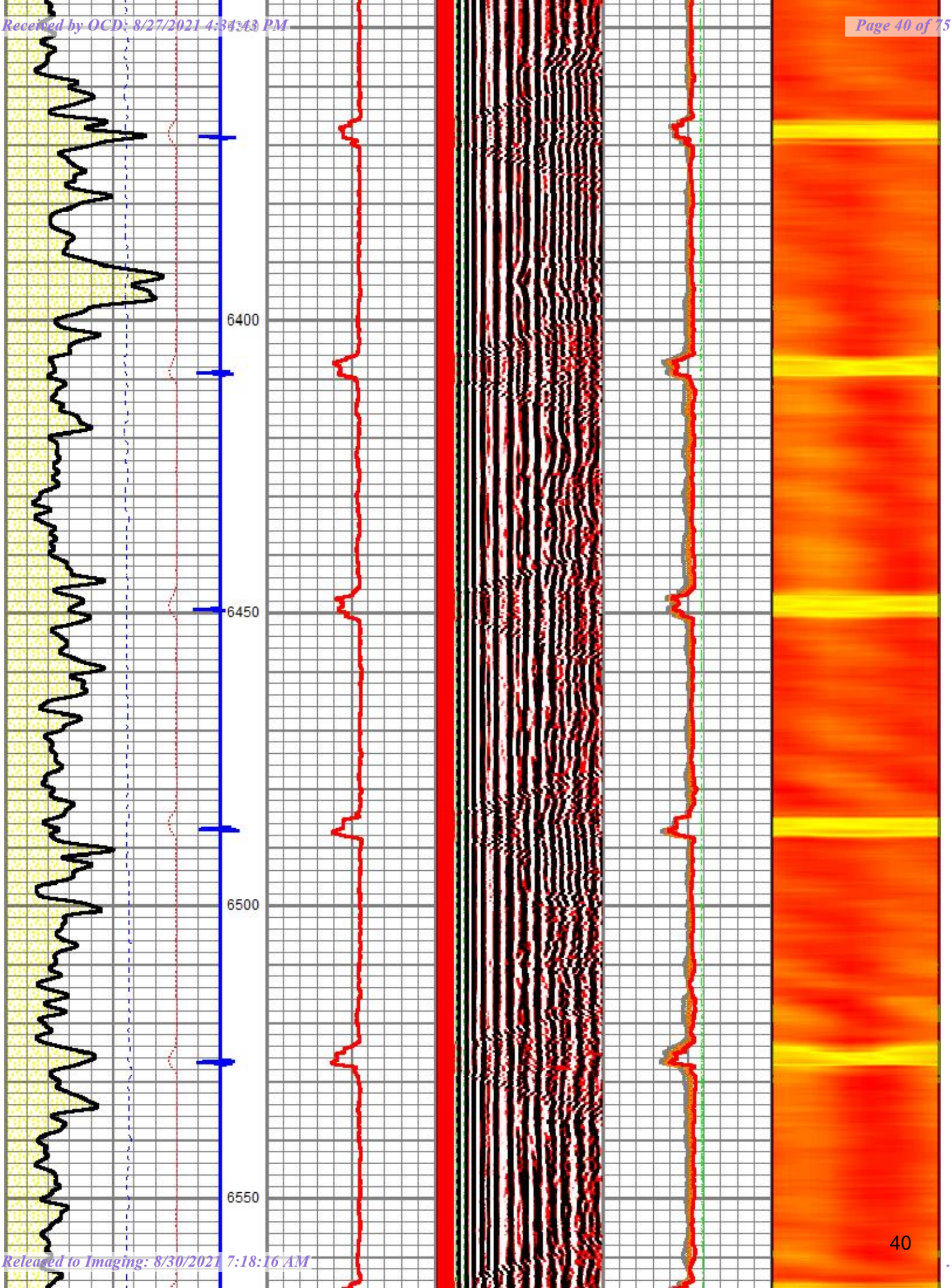

5300
5350
5400
5450

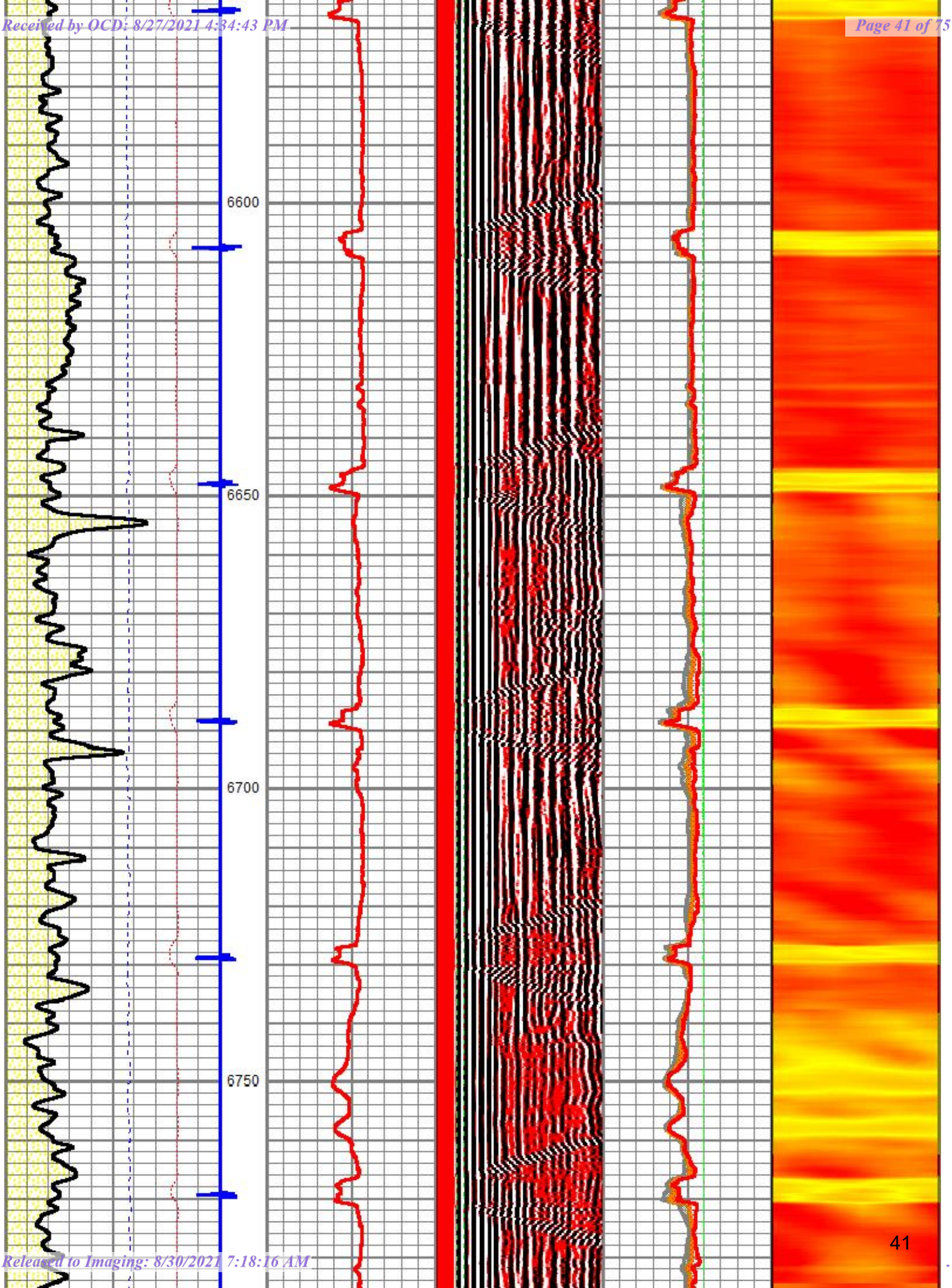

5500
5550
5600
5650

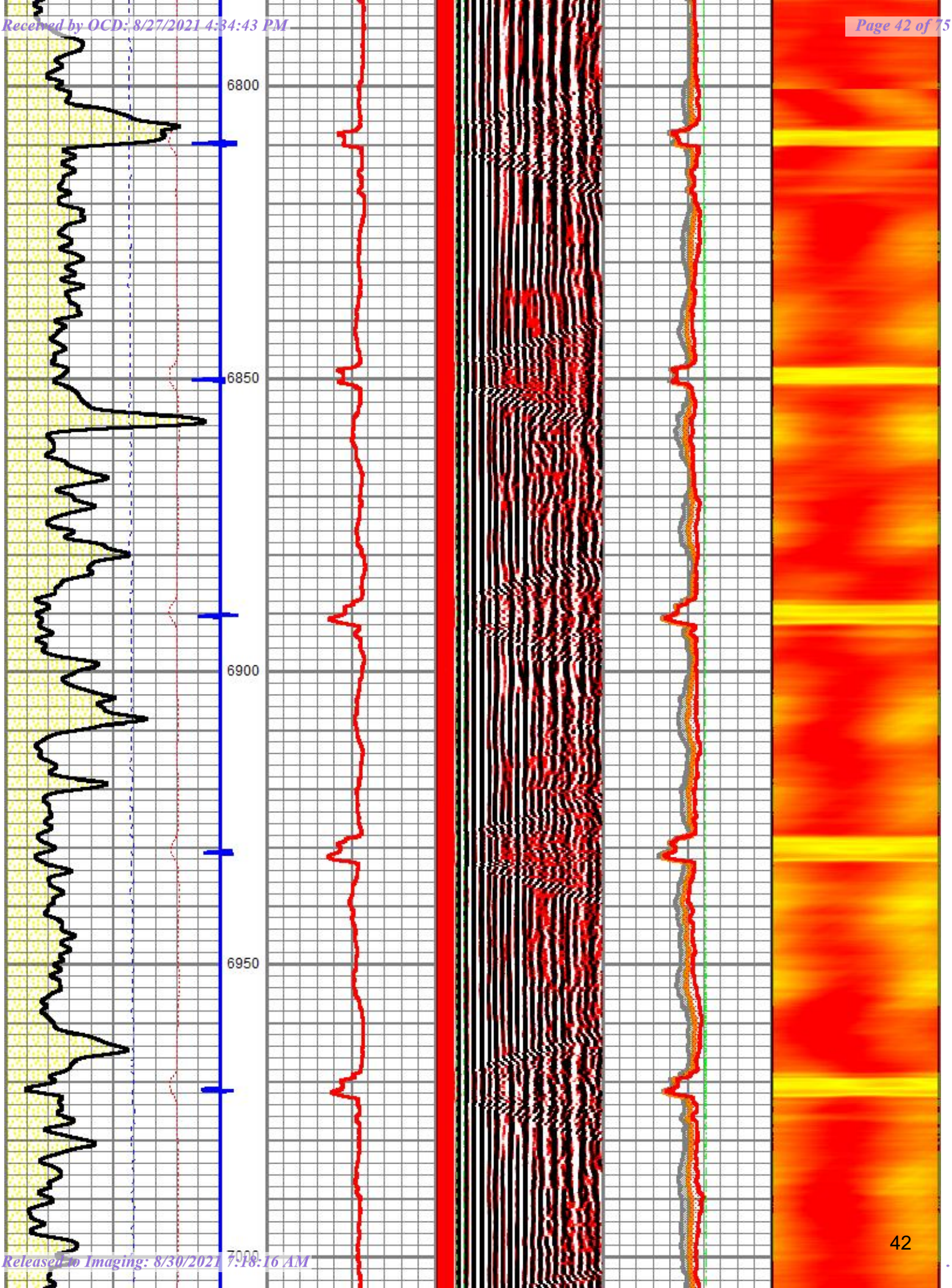

5700
5750
5800
5850

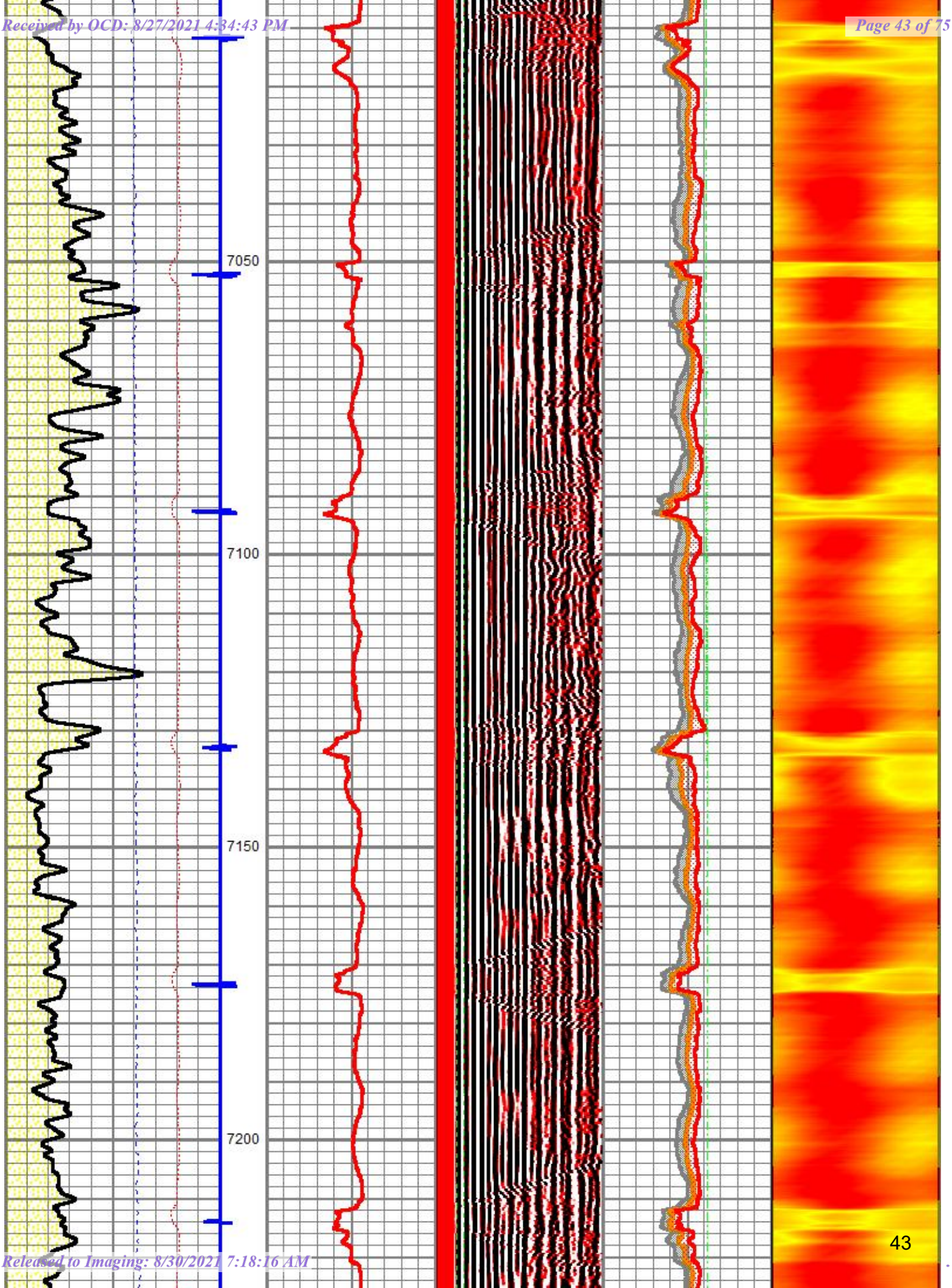

5950
6000
6050
6100

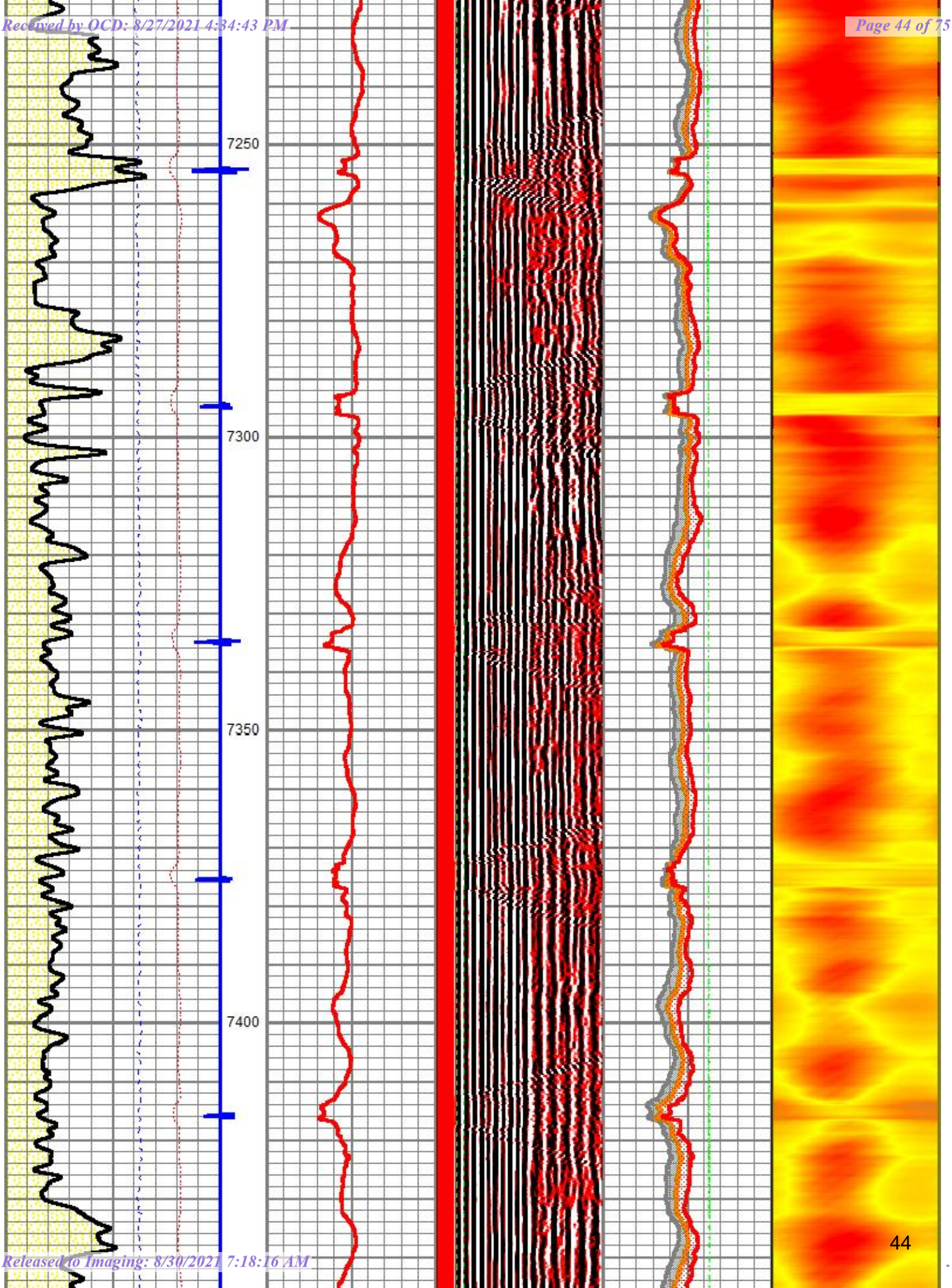

6150
6200
6250
6300

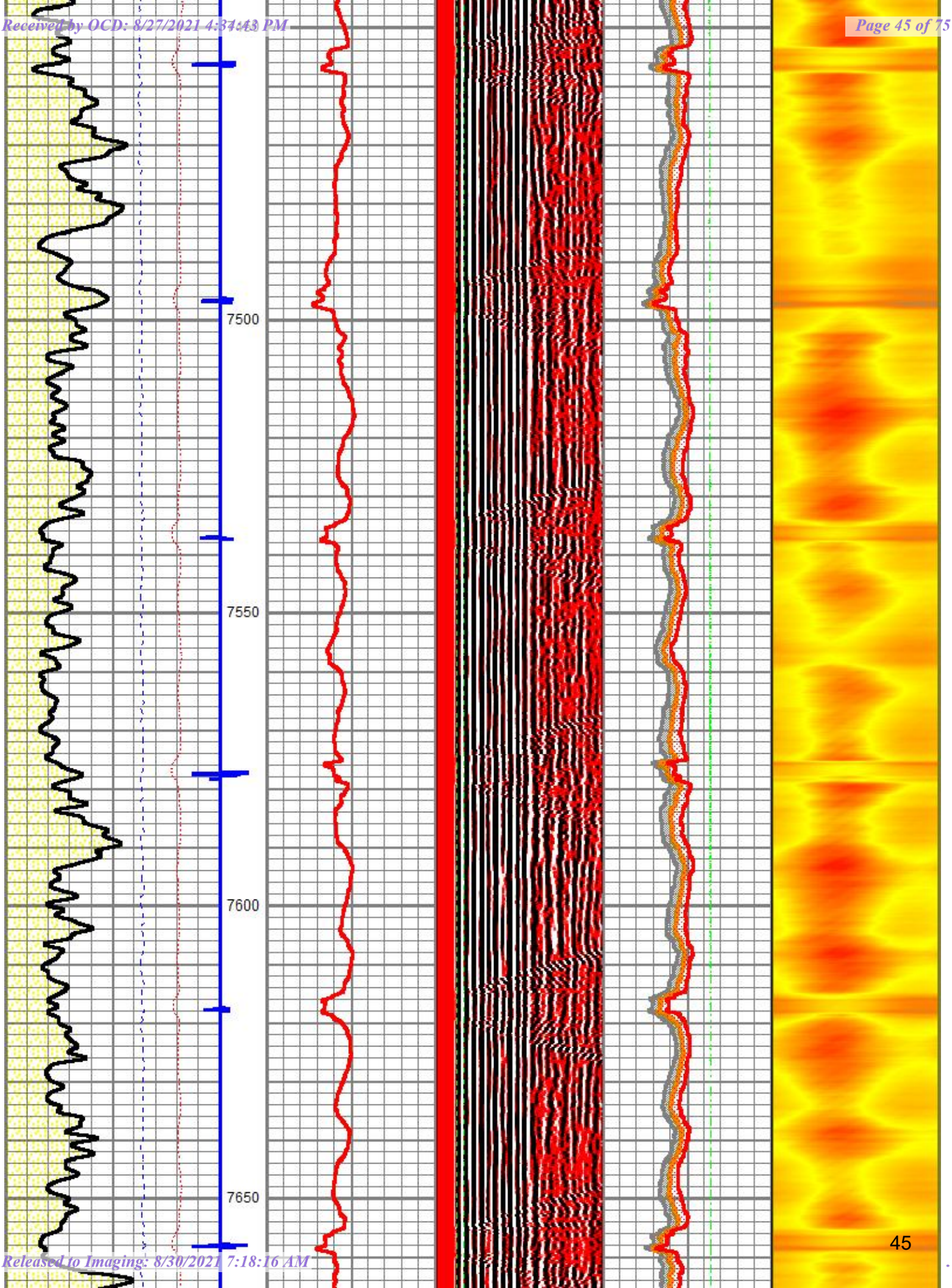

6400
6450
6500
6550

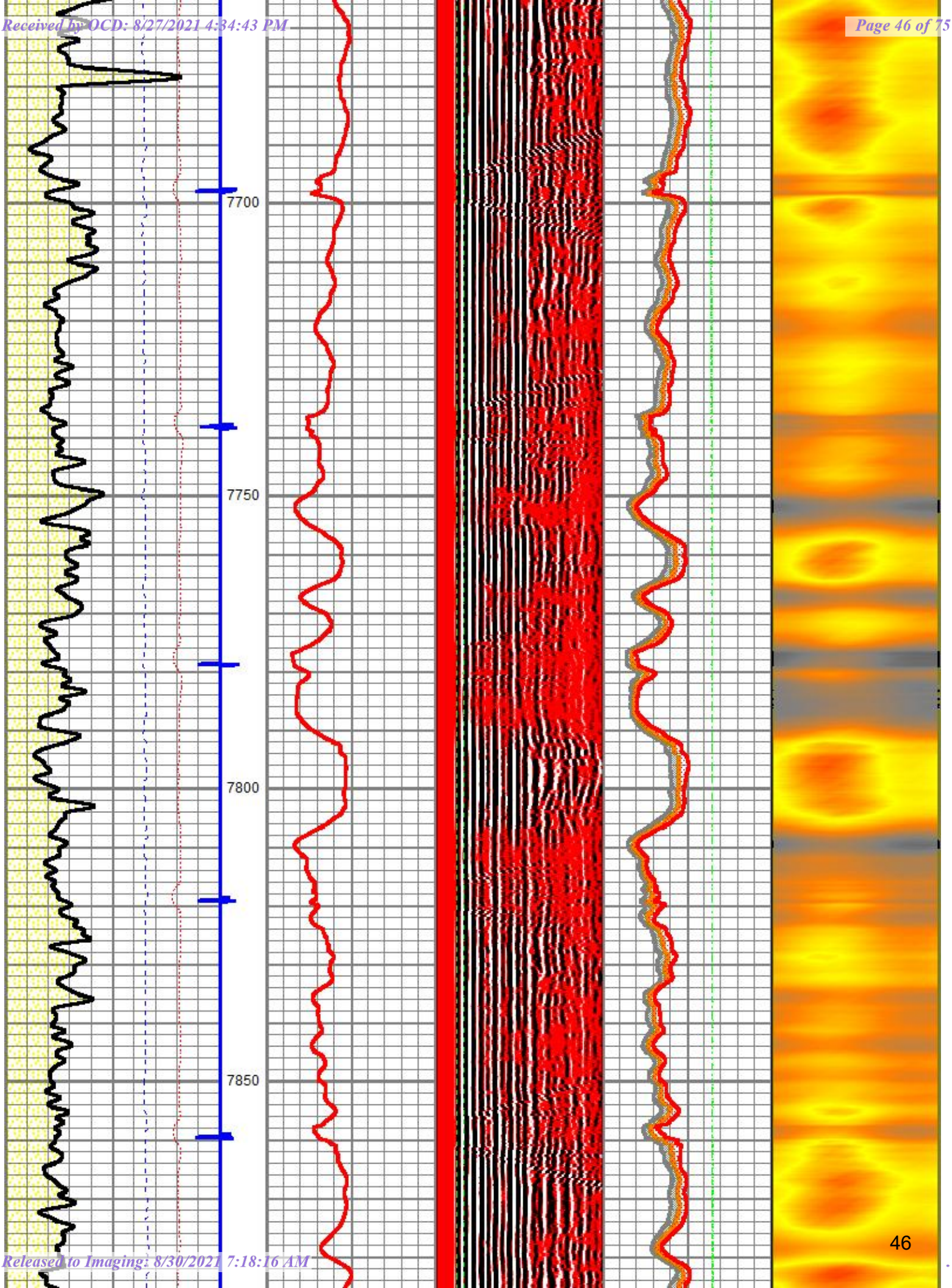

6600
6650
6700
6750

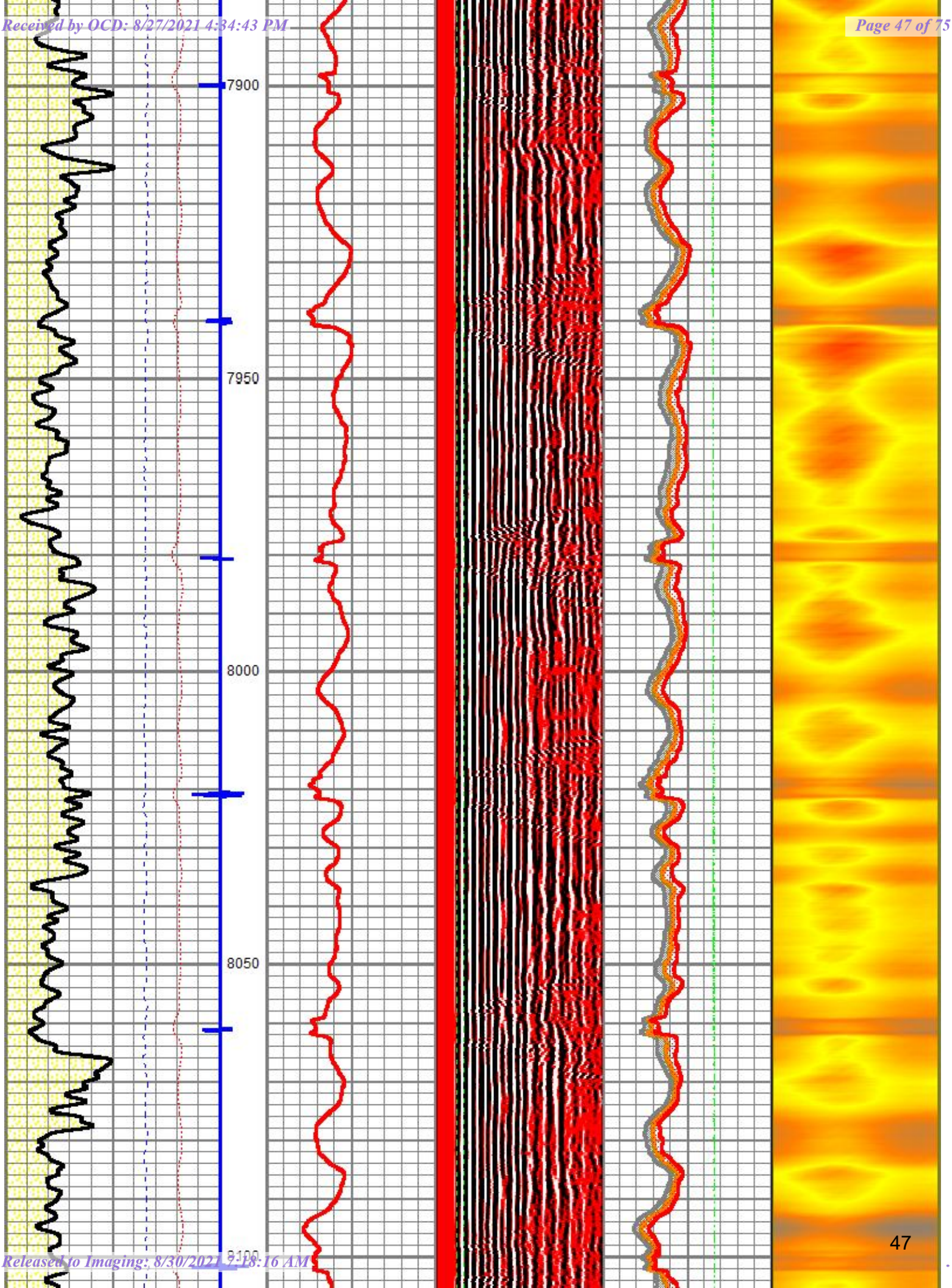

6800
6850
6900
6950
7000

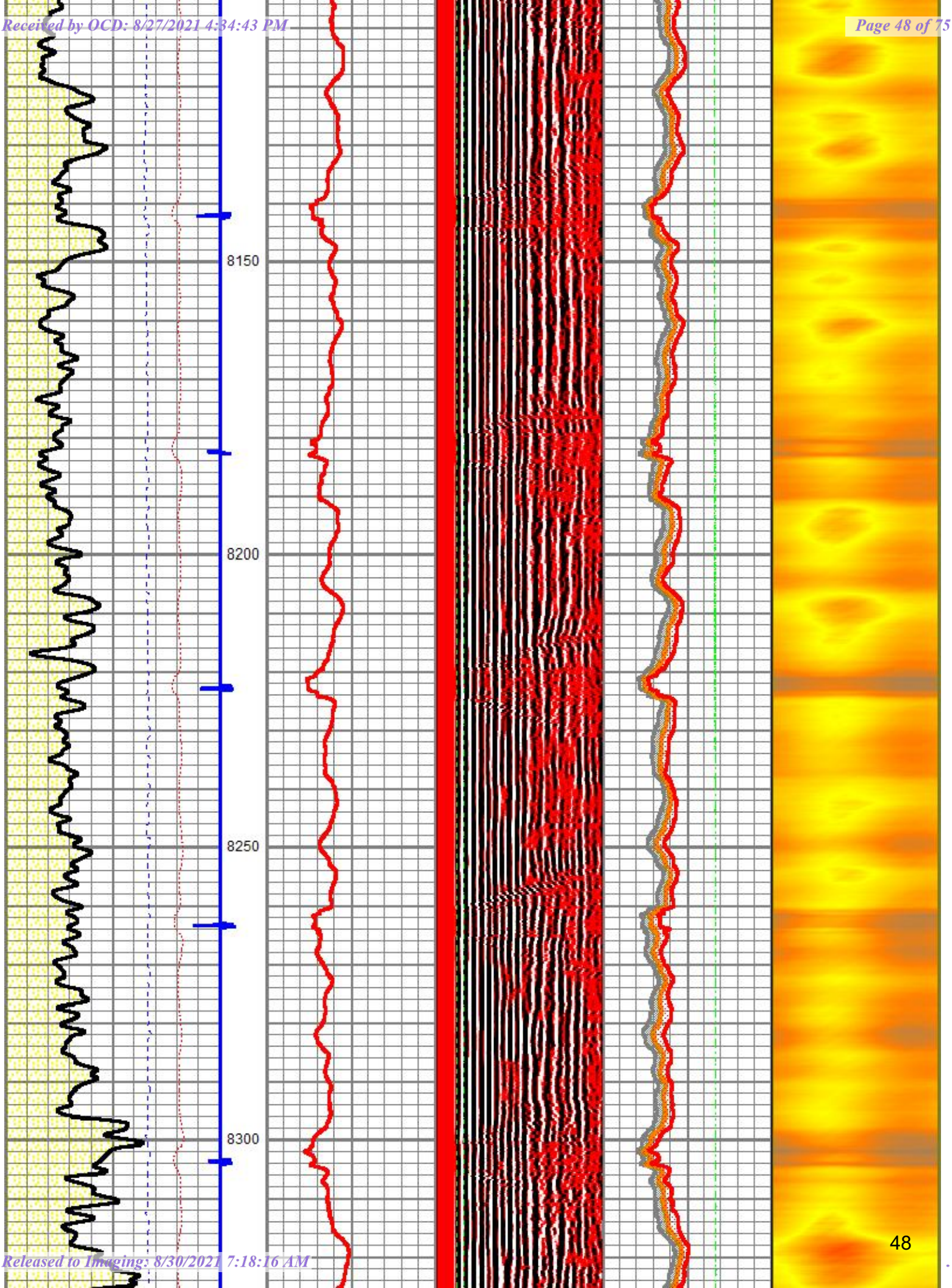

7050
7100
7150
7200

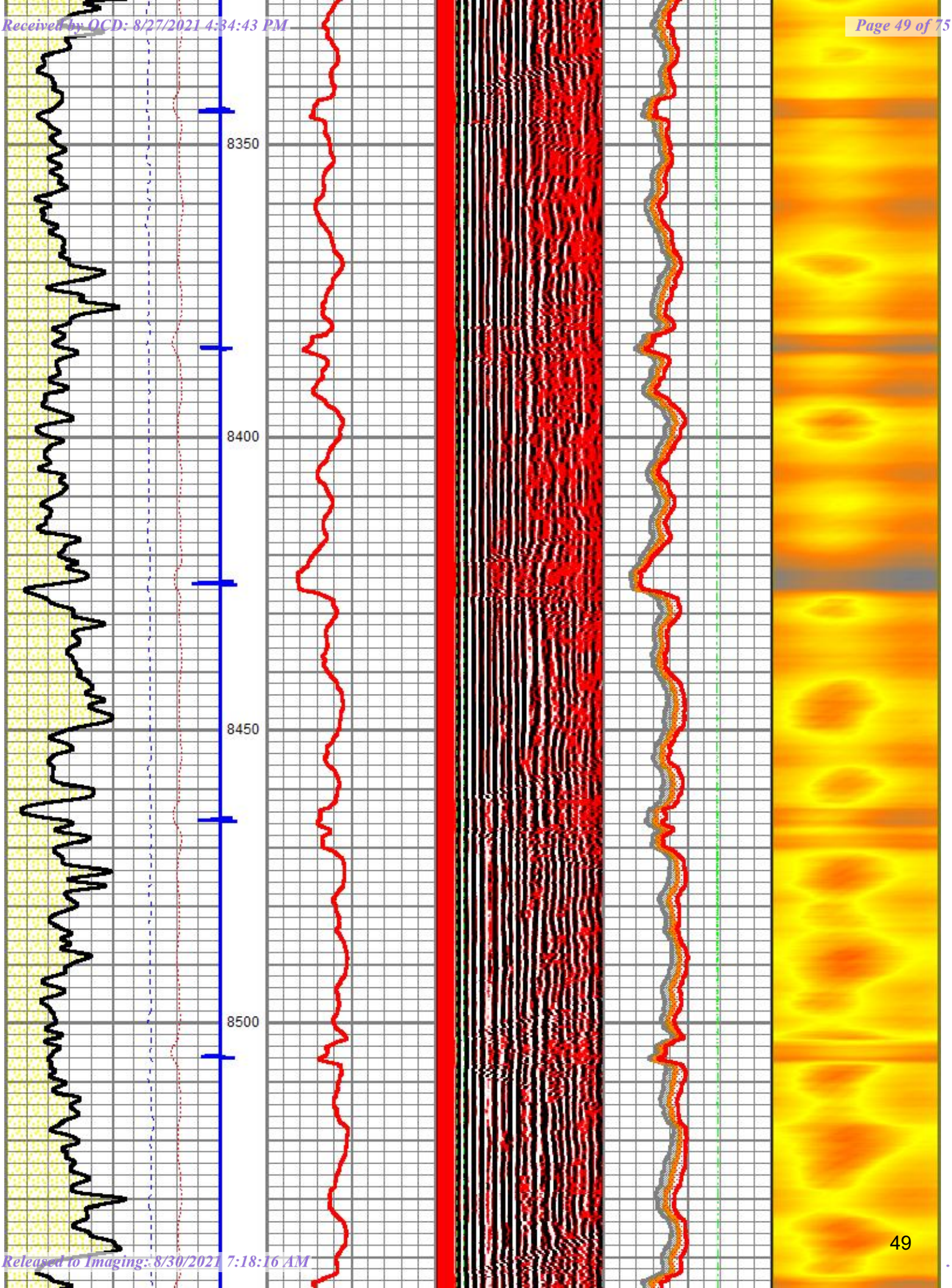

7250
7300
7350
7400

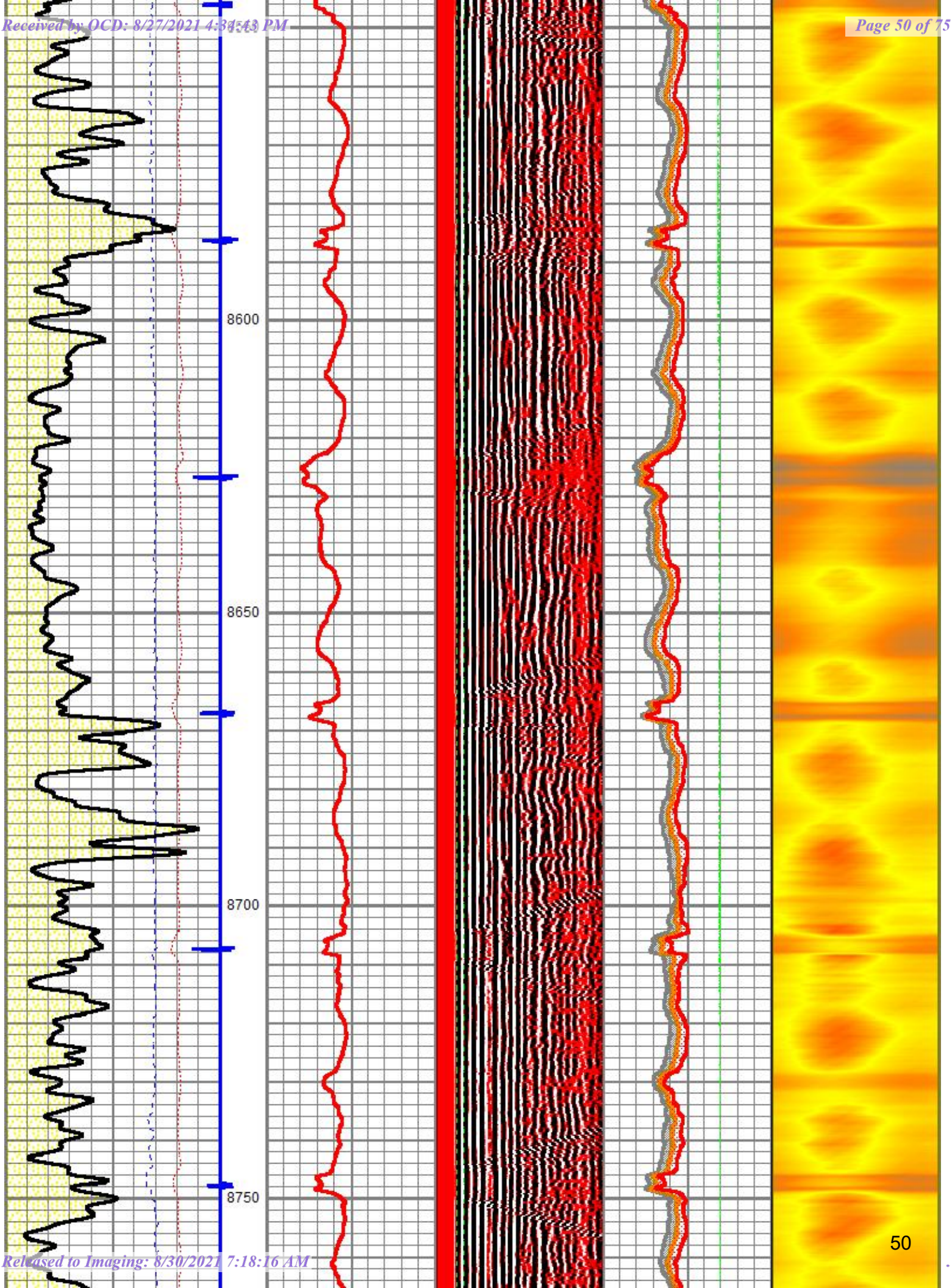

7500
7550
7600
7650

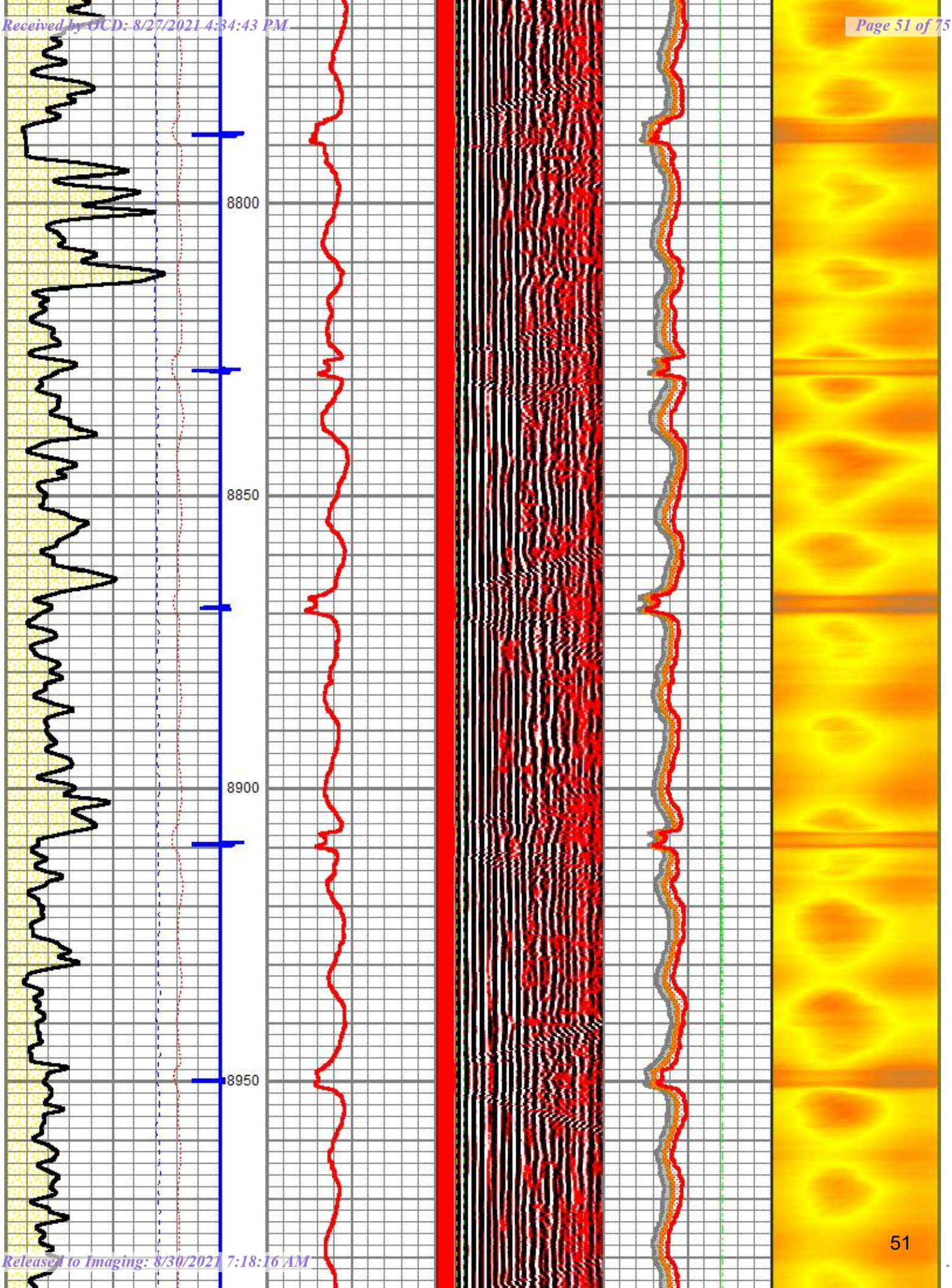

7700
7750
7800
7850

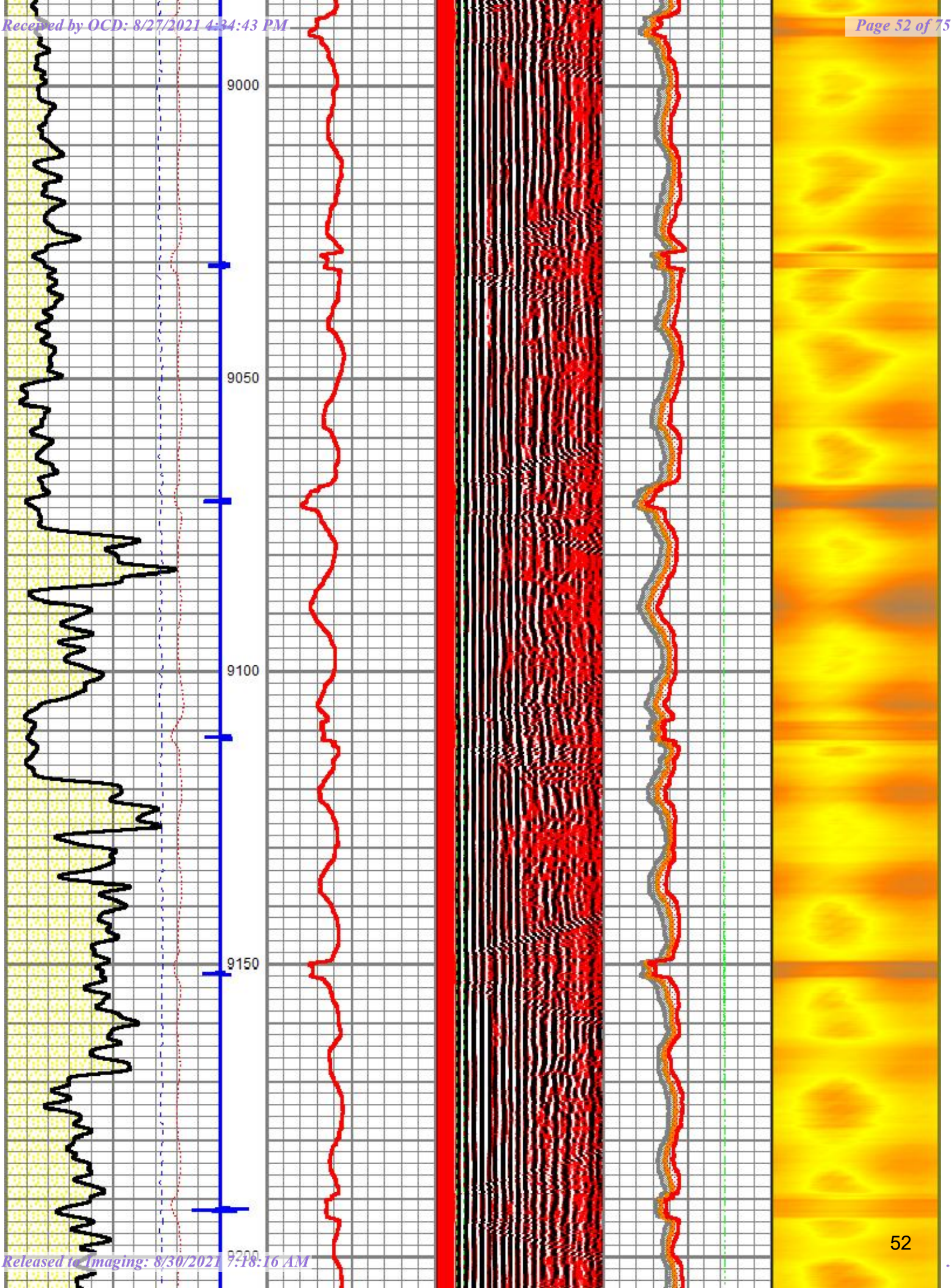

7900
7950
8000
8050

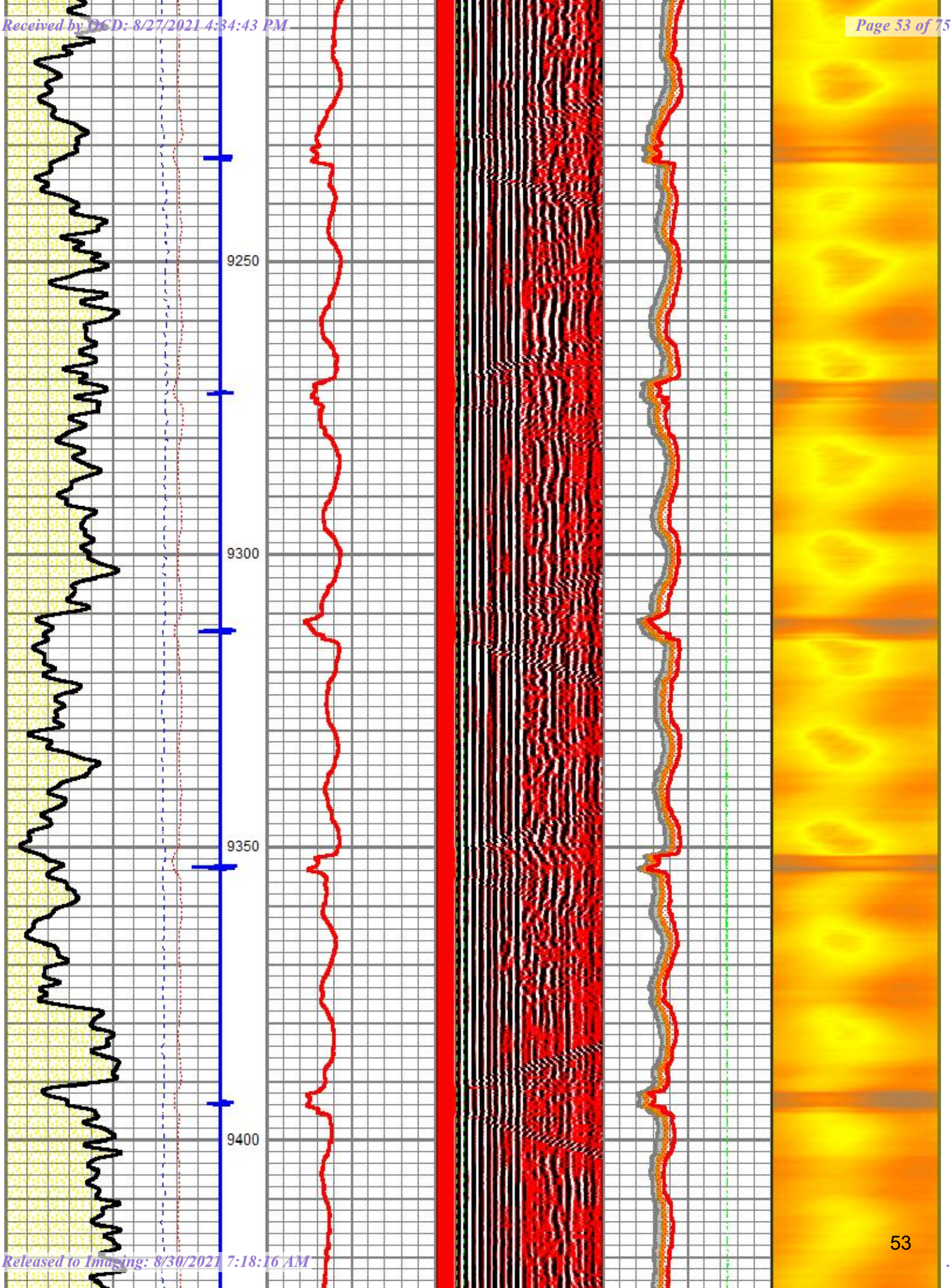

8150
8200
8250
8300

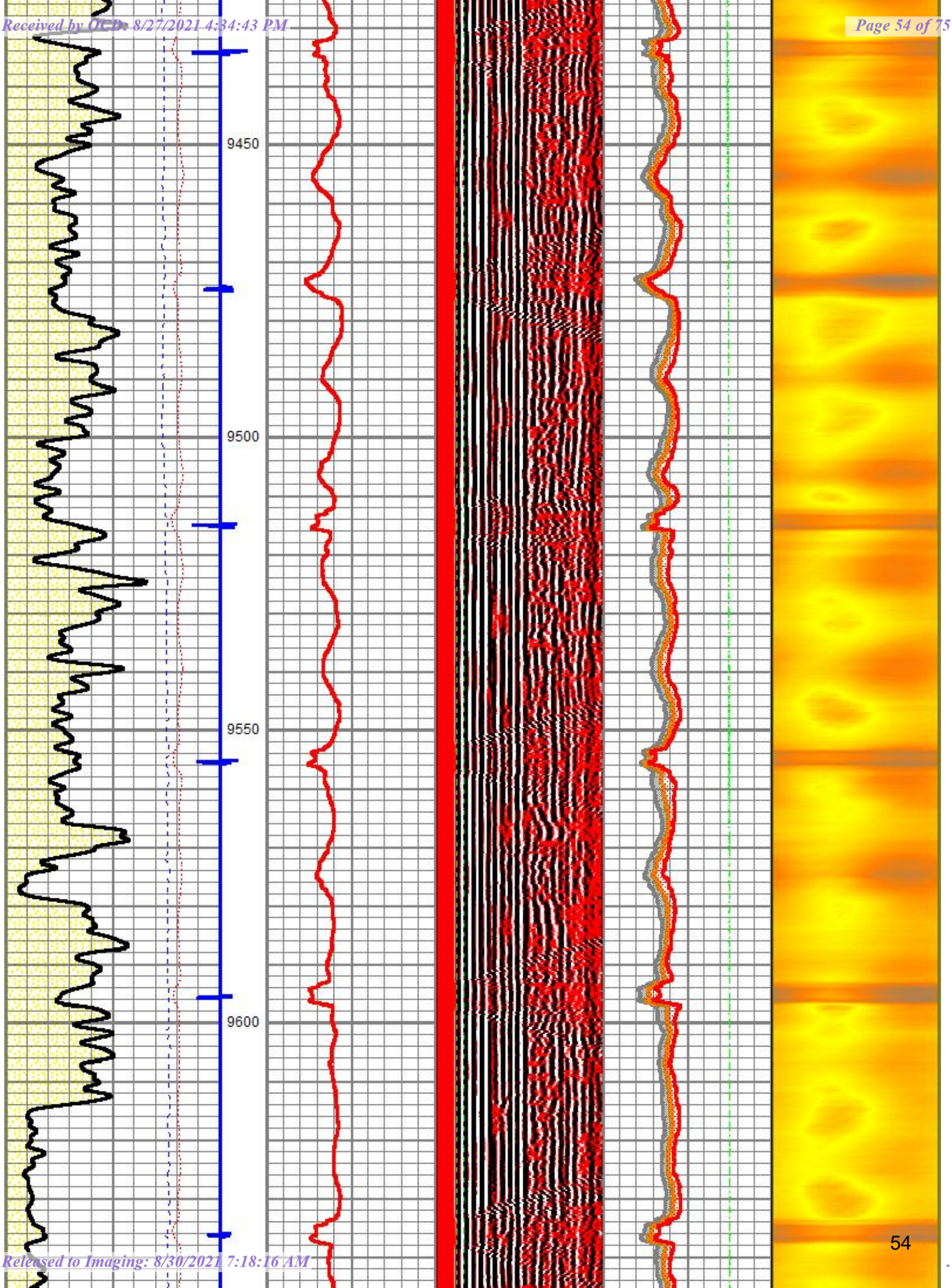

8350
8400
8450
8500

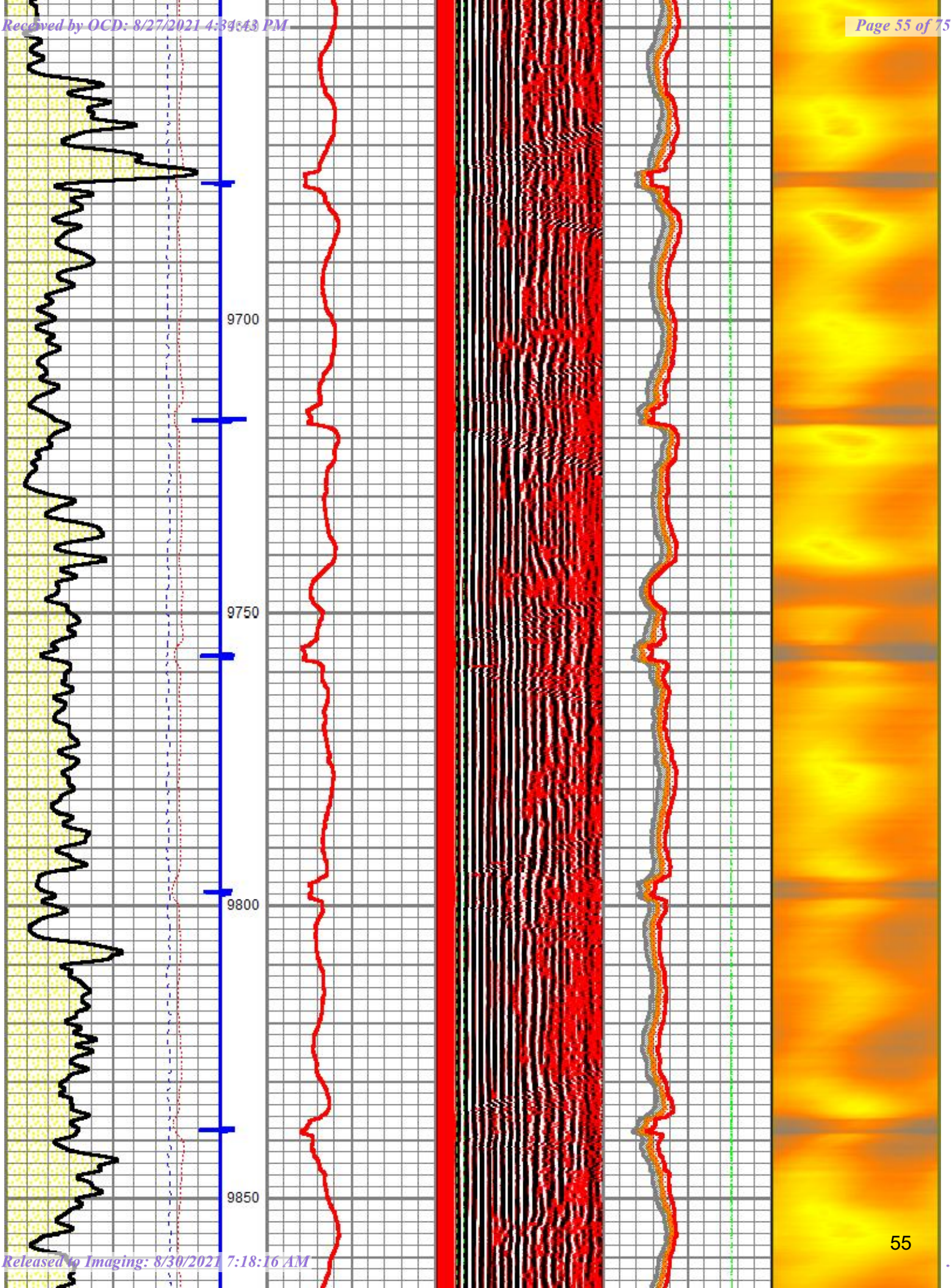

8600
8650
8700
8750

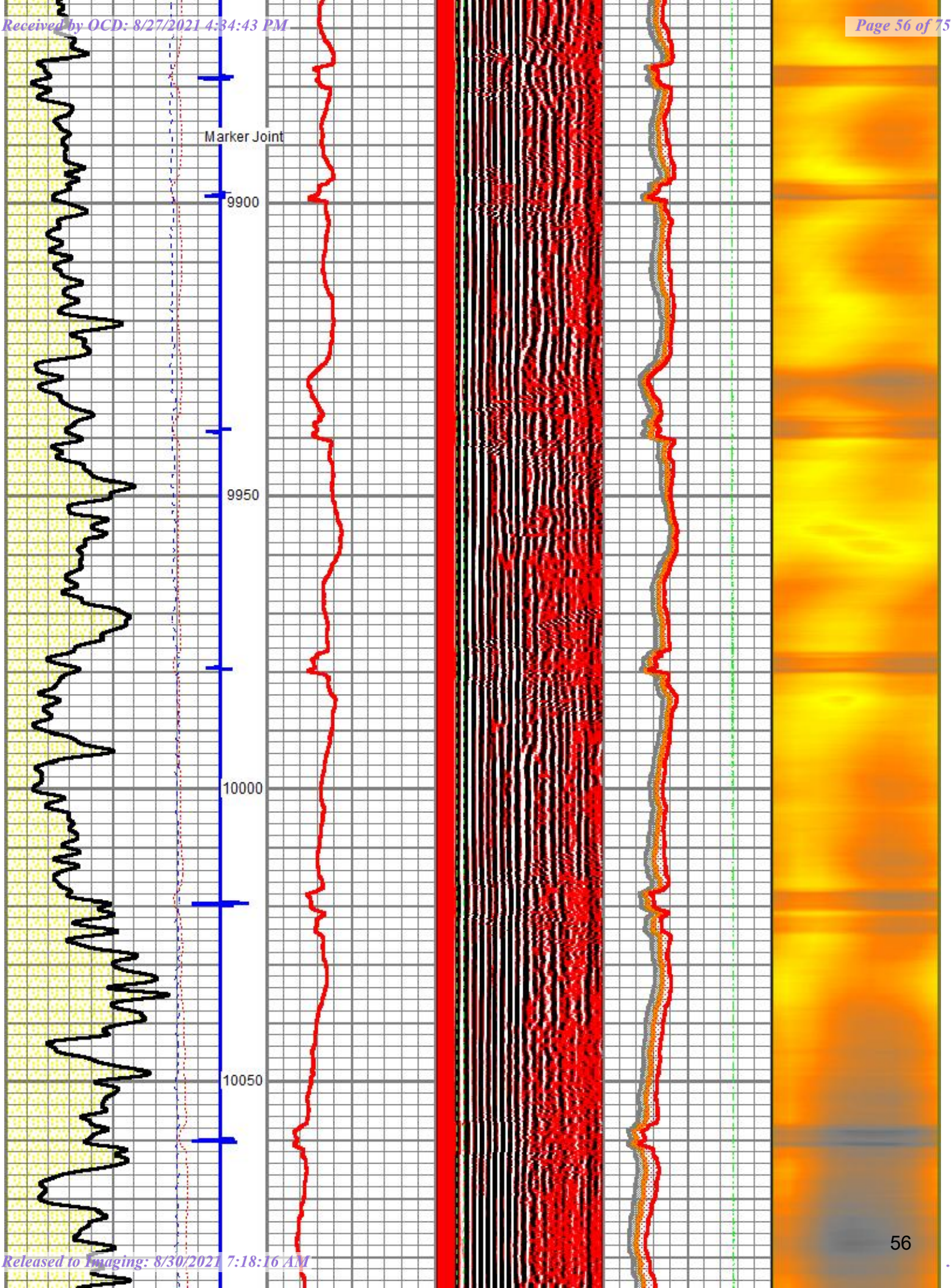

8800
8850
8900
8950

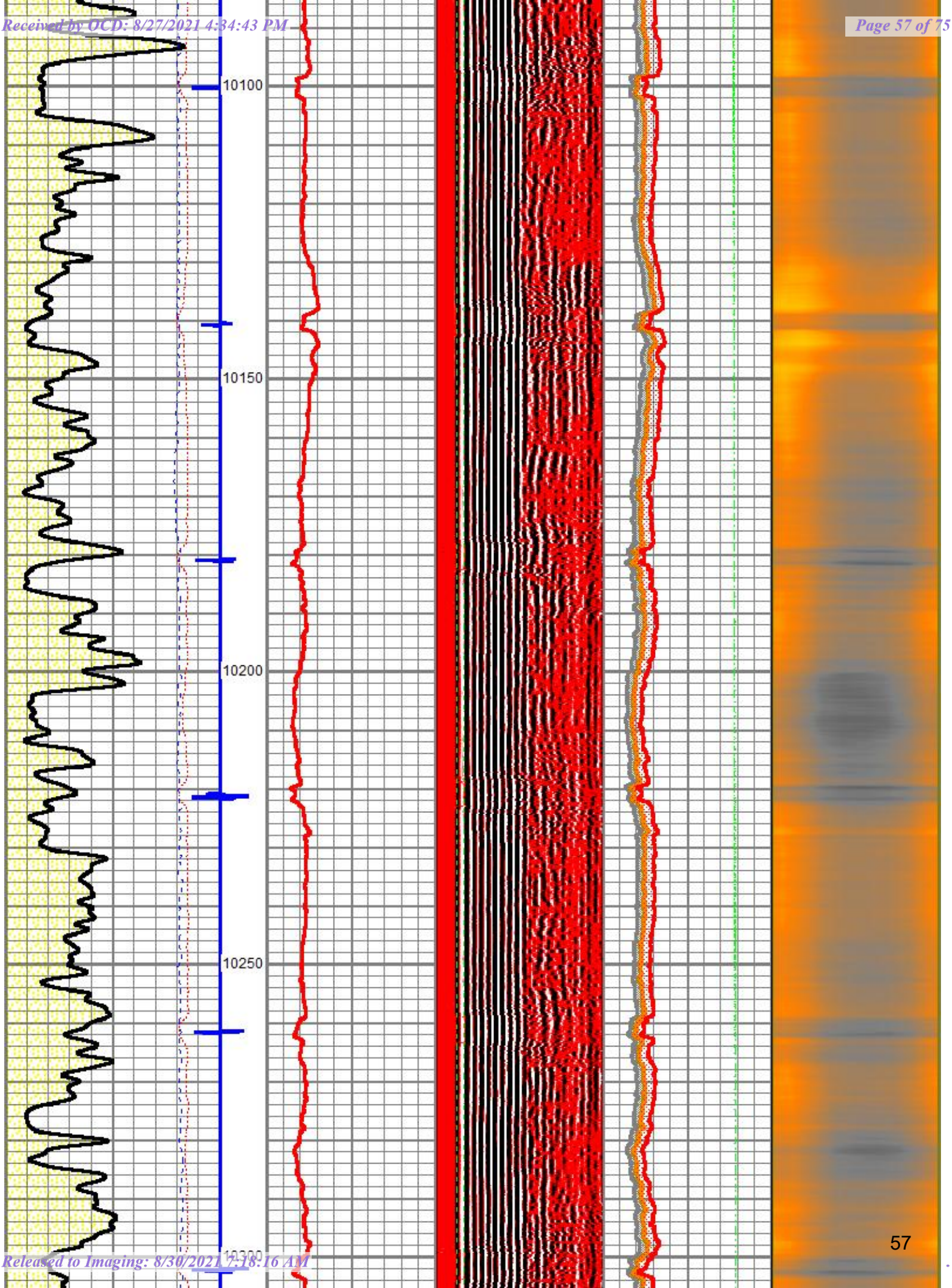

9000
9050
9100
9150
9200

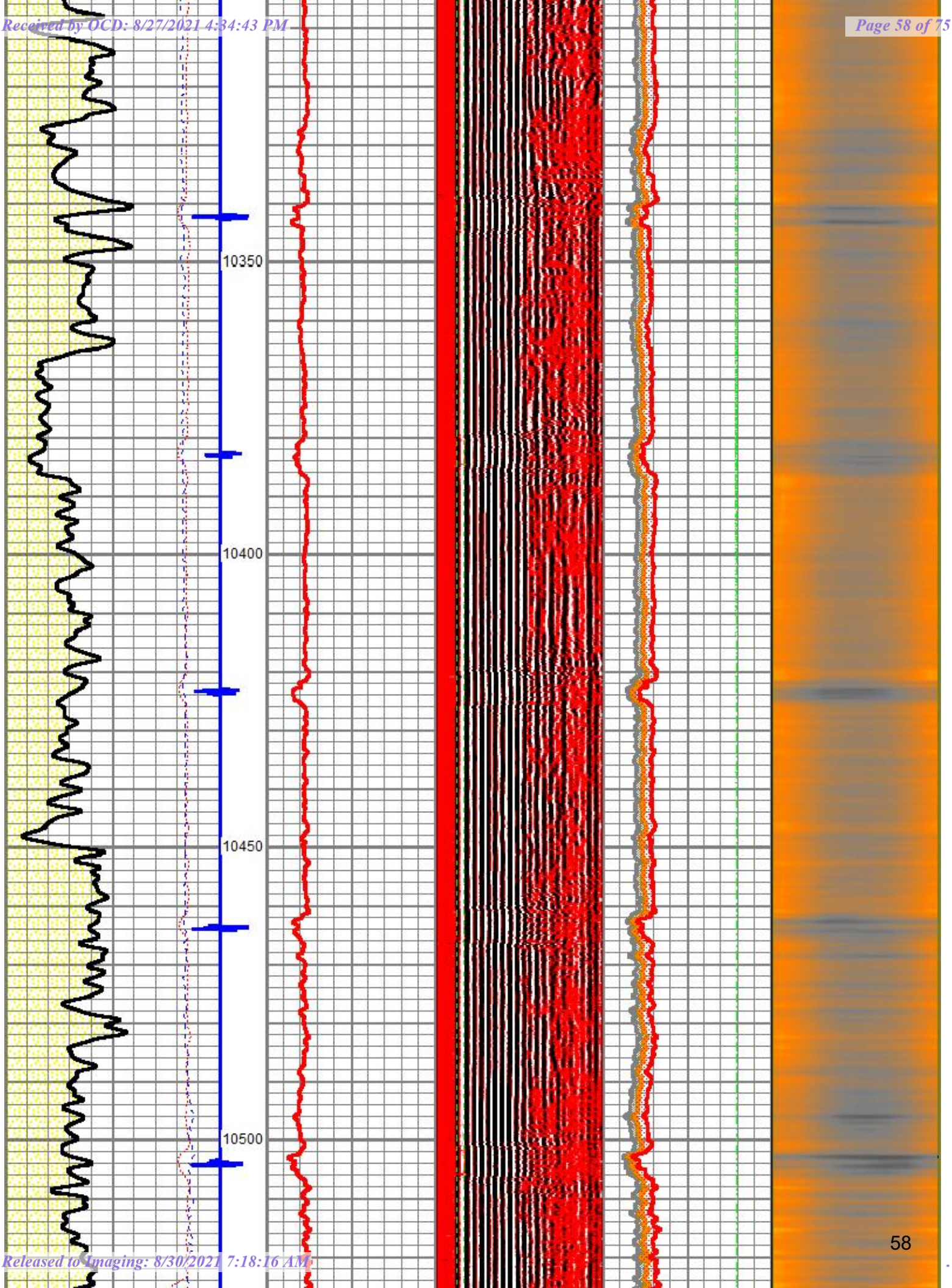

9250
9300
9350
9400

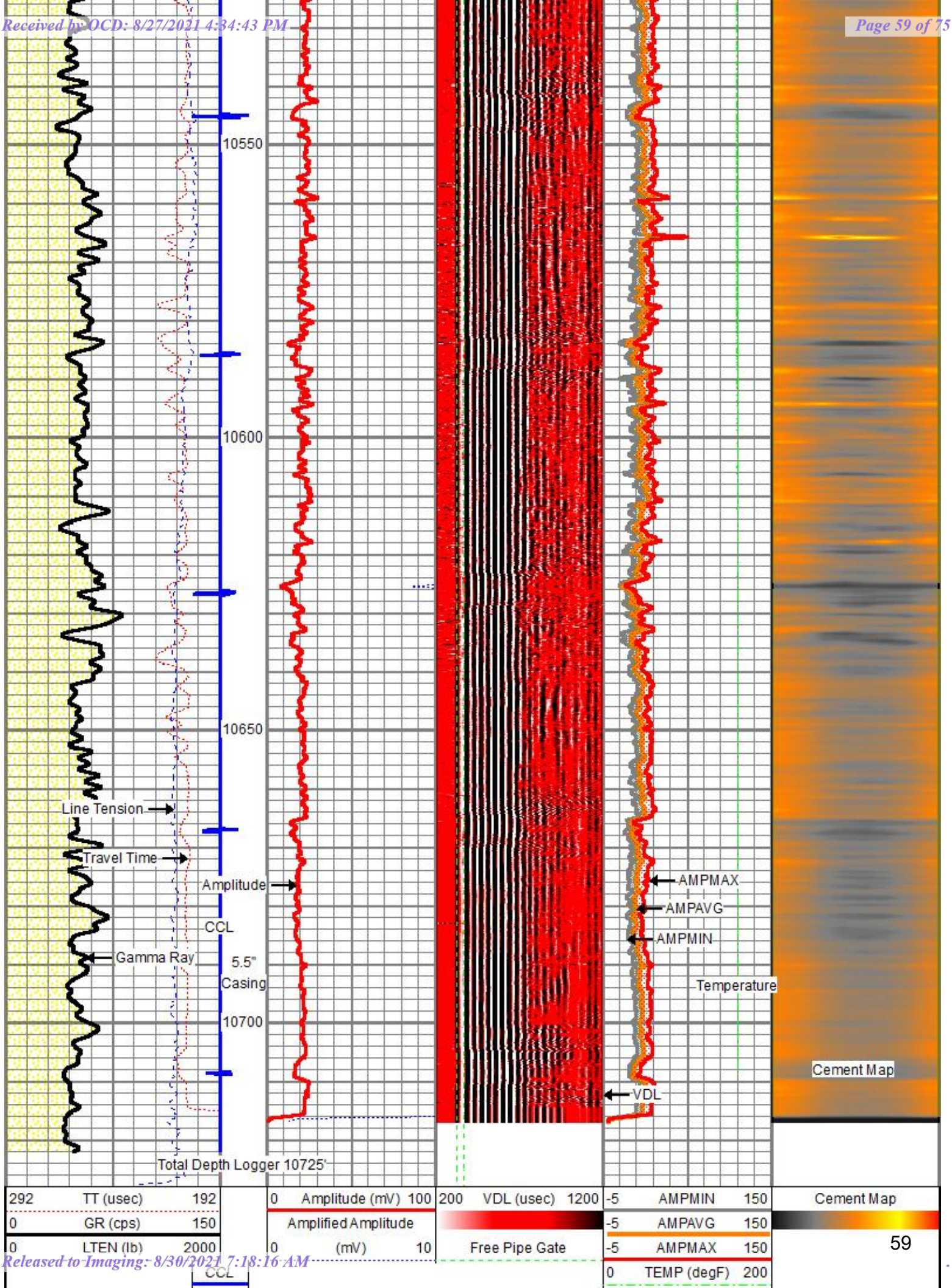

9450
9500
9550
9600


9700
9750
9800
9850


Marker Joint
9900
9950
10000
10050


10100
10150
10200
10250

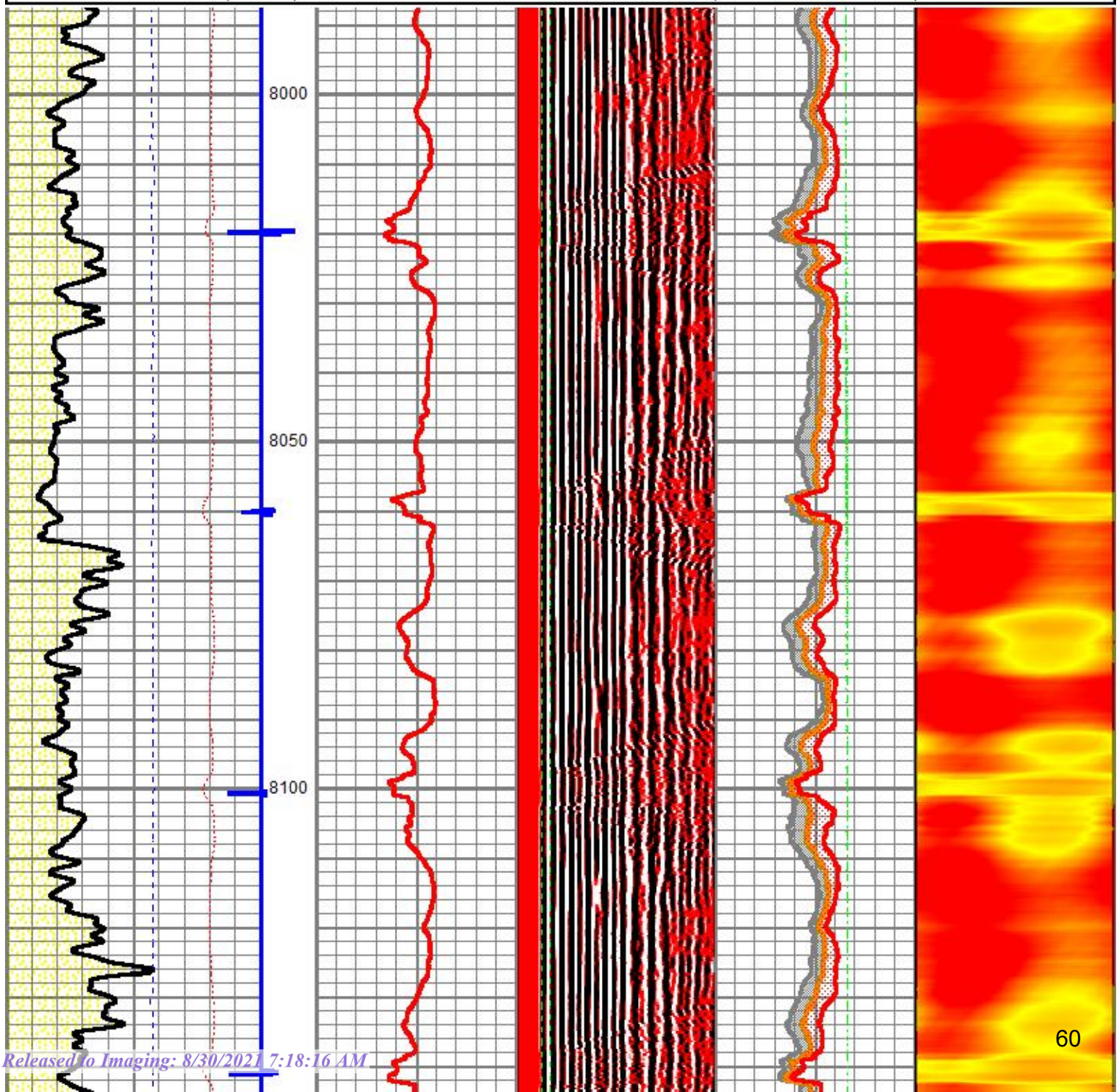

10350
10400
10450
10500

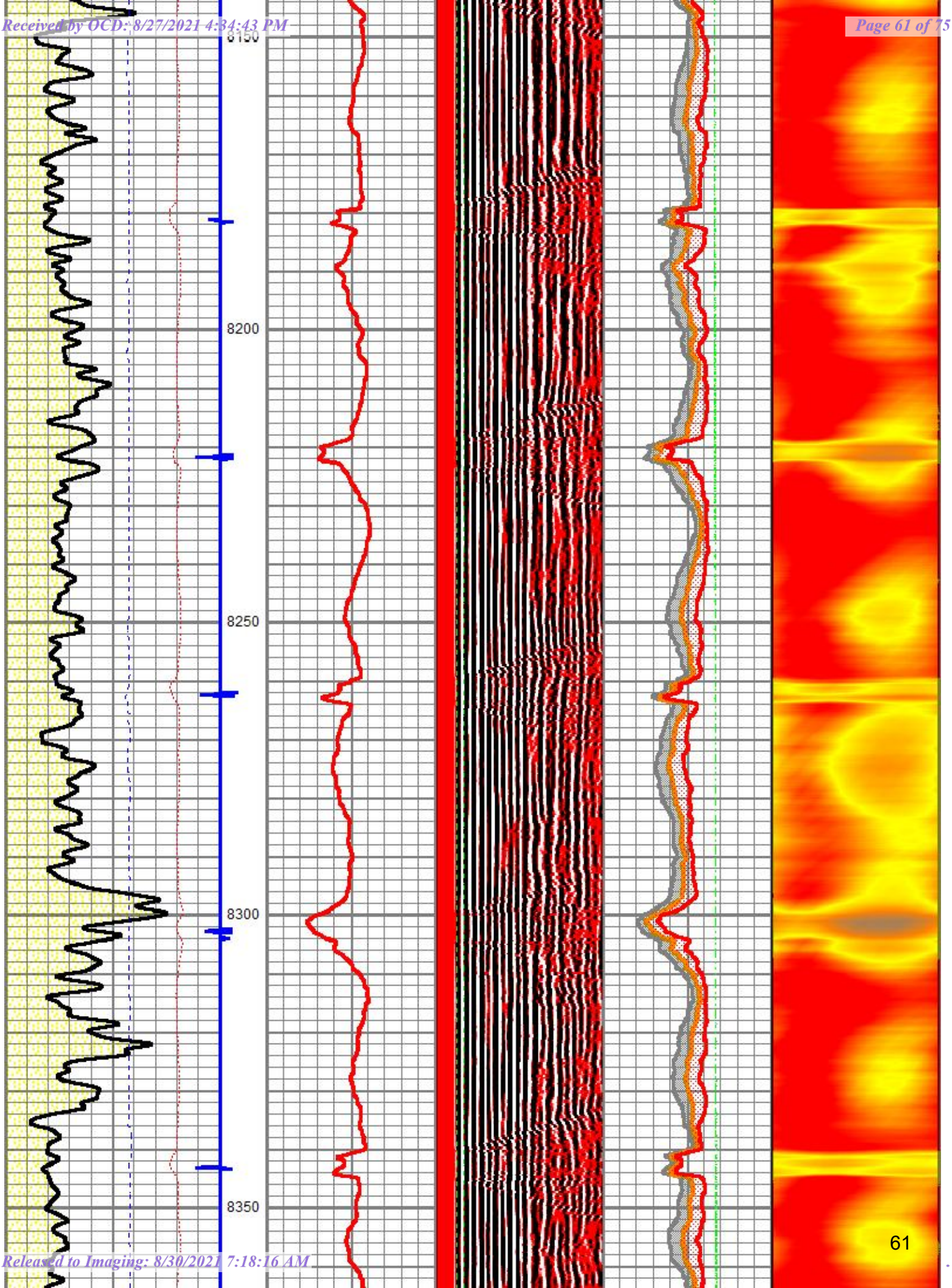

10550
10600
10650
10700
Line Tension
Travel Time
Amplitude
CCL
Gamma Ray
5.5"
Casing
Total Depth Logger 10725'
AMPMAX
AMPAVG
AMPMIN
Temperature
VDL
Cement Map
292 TT (usec) 192
0 GR (cps) 150
0 LTEN (lb) 2000
0 Amplitude (mV) 100
Amplified Amplitude
0 (mV) 10
200 VDL (usec) 1200
Free Pipe Gate
-5 AMPMIN 150
-5 AMPAVG 150
-5 AMPMAX 150
0 TEMP (degF) 200
Cement Map
CCL

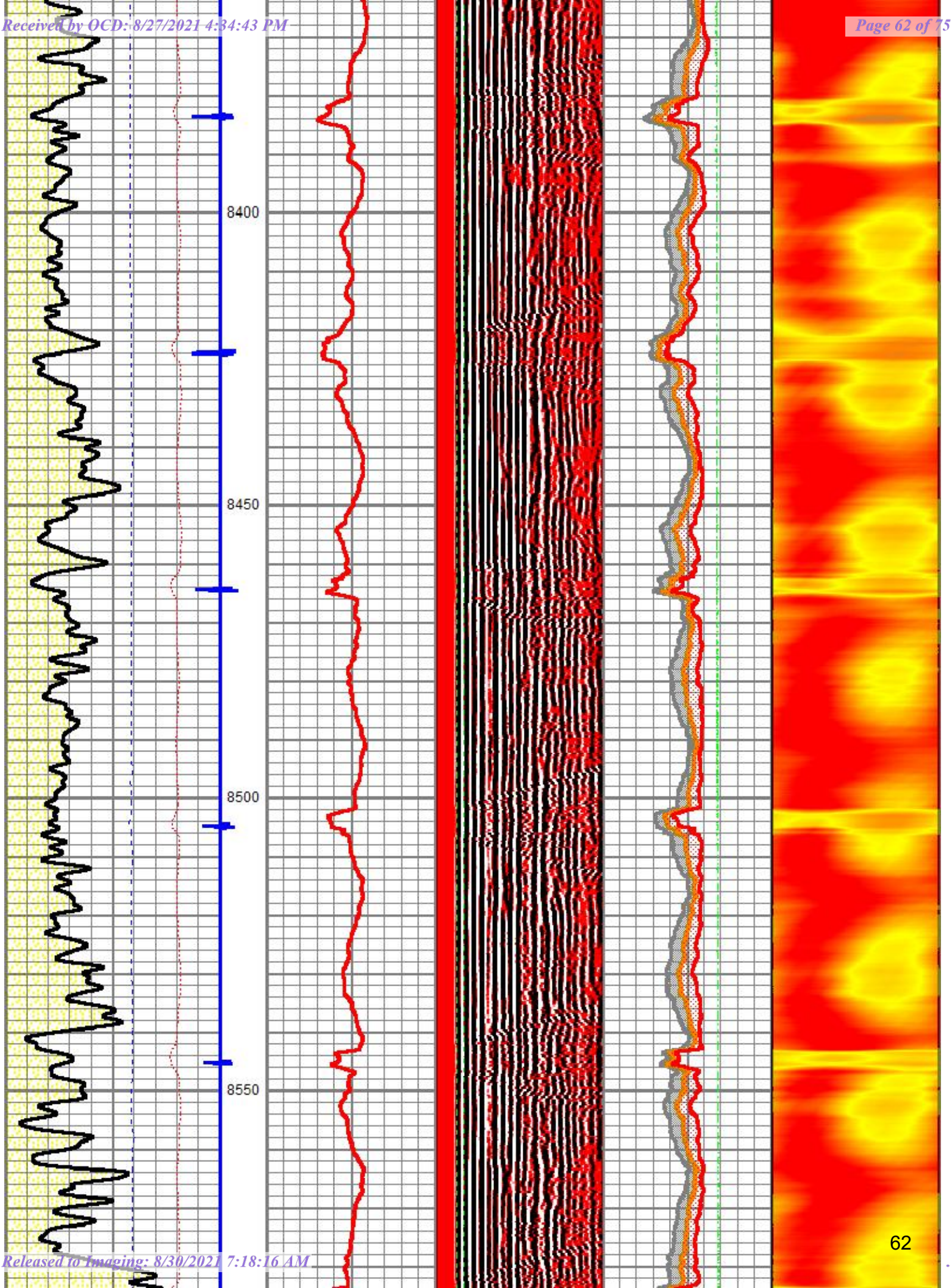
Repeat Pass (Zero PSI)

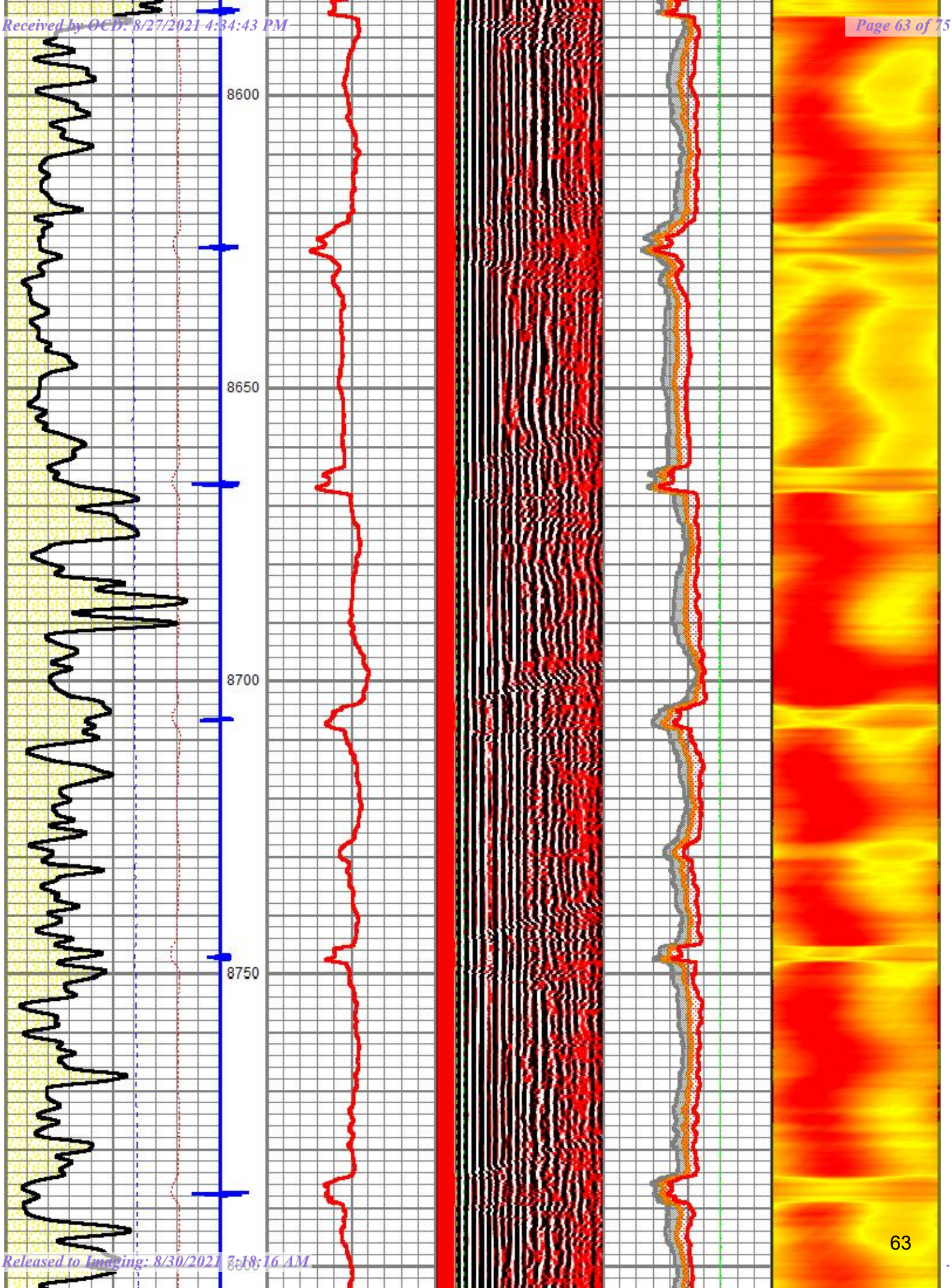
Database File	oxy mesa verde bs unit 4h rcbl.db
Dataset Pathname	pass2
Presentation Format	rrcbl_mx
Dataset Creation	Mon Apr 16 11:30:40 2018
Charted by	Depth in Feet scaled 1:240

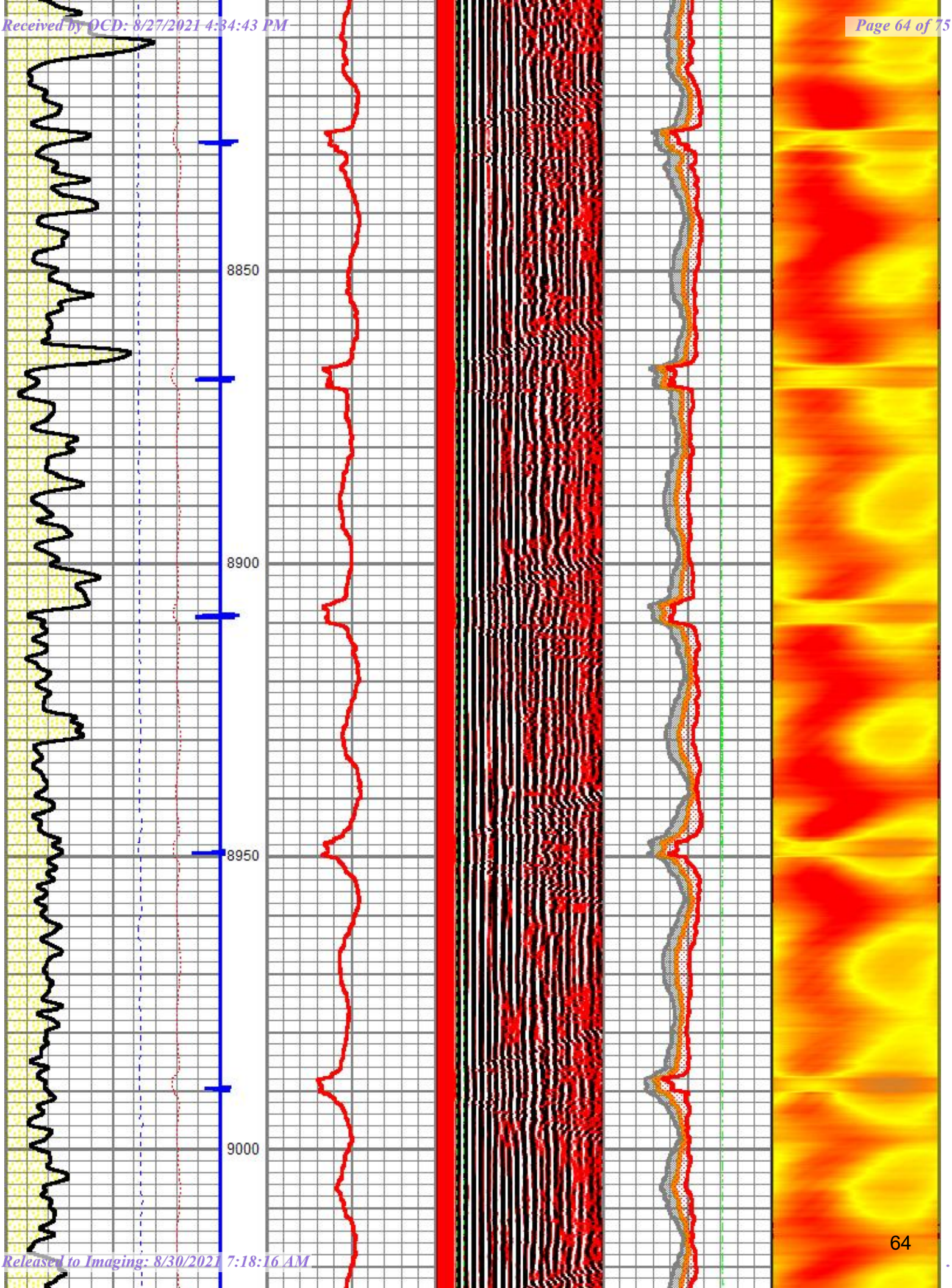
292	TT (usec)	192	0	Amplitude (mV)	100	200	VDL (usec)	1200	-5	AMPMIN	150	Cement Map
0	GR (cps)	150		Amplified Amplitude					-5	AMPAVG	150	
0	LTEN (lb)	2000	0	(mV)	10		Free Pipe Gate		-5	AMPMAX	150	
	CCL								0	TEMP (degF)	200	

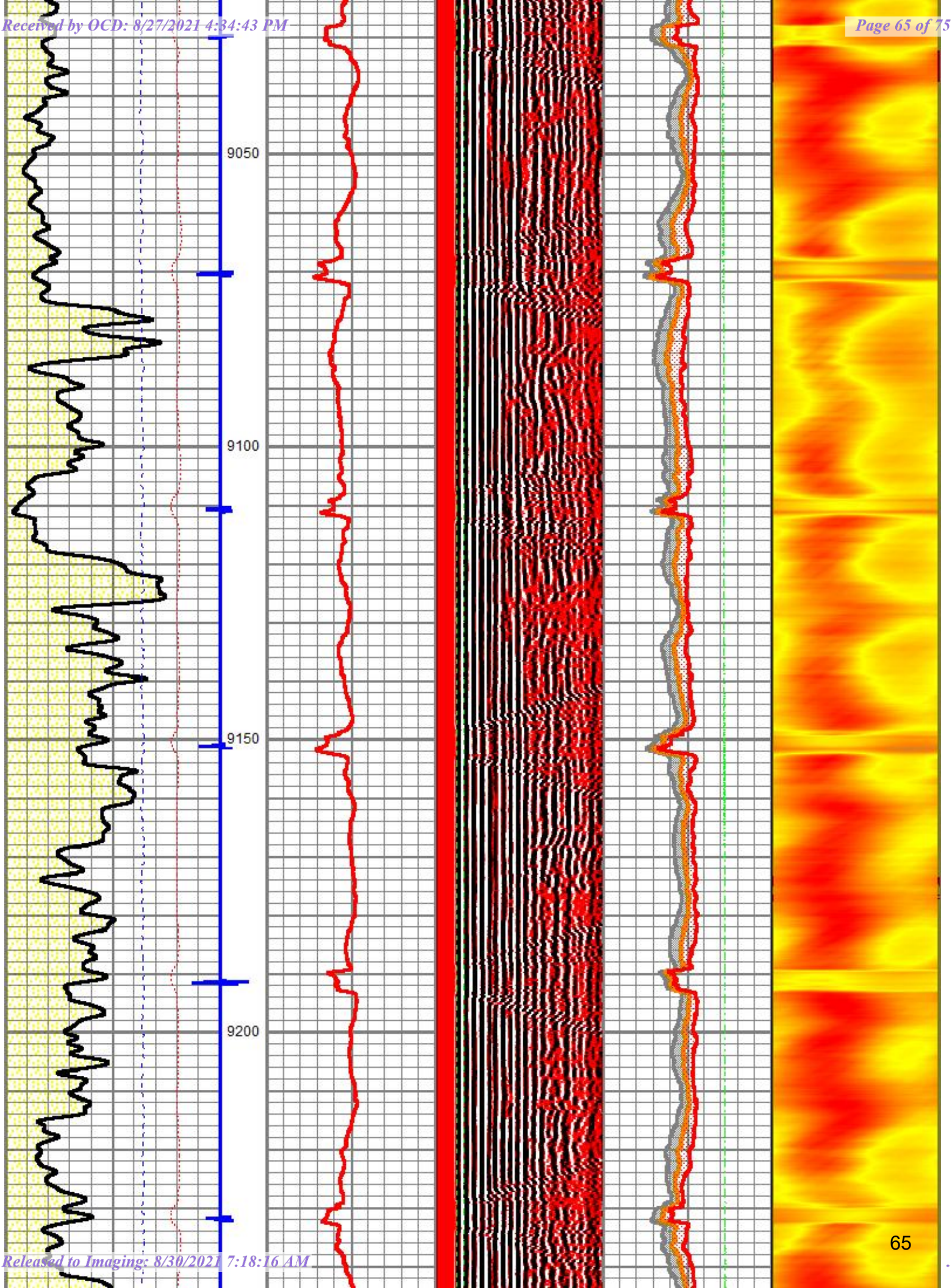


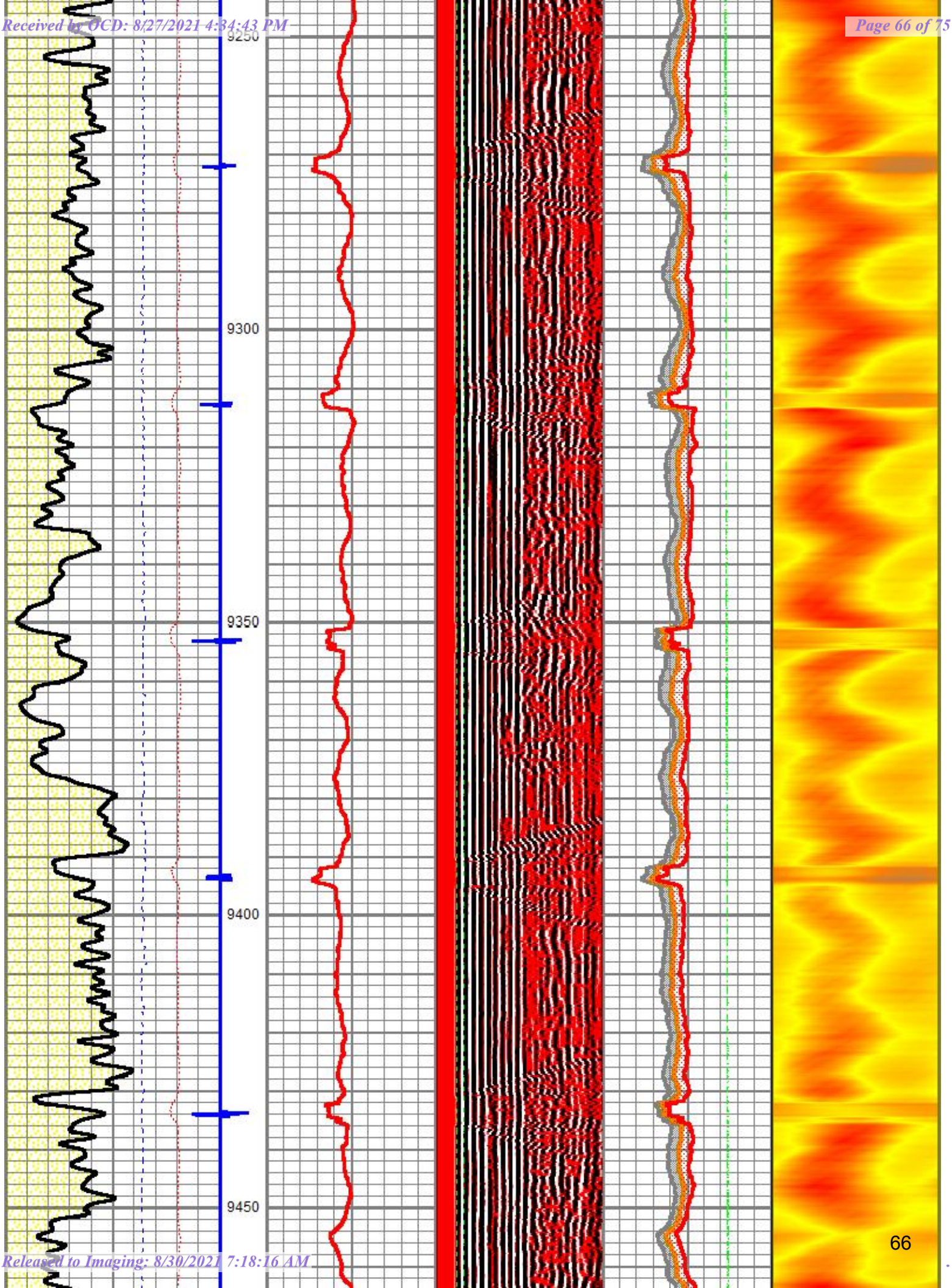

8150
8200
8250
8300
8350

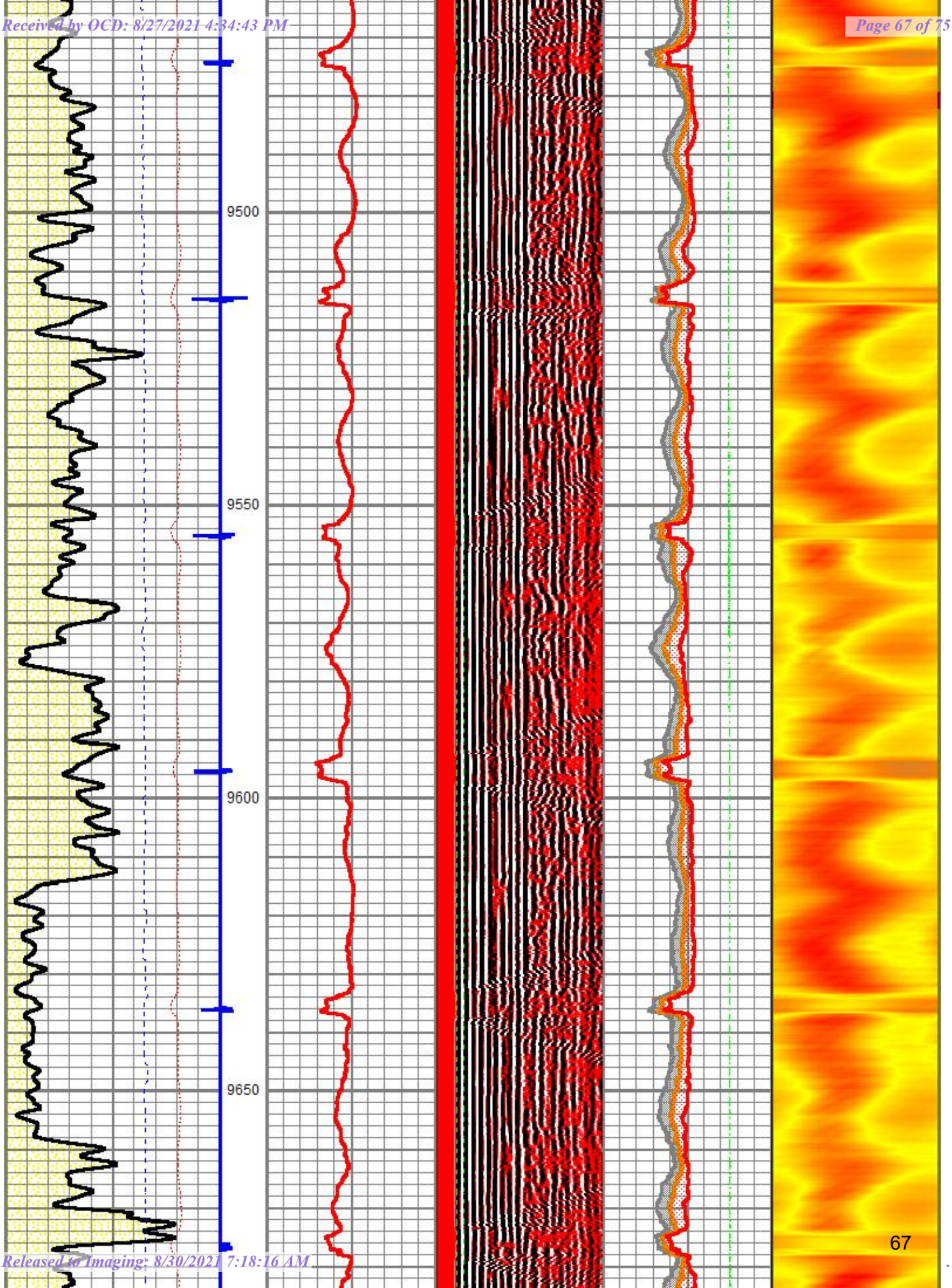

8400
8450
8500
8550

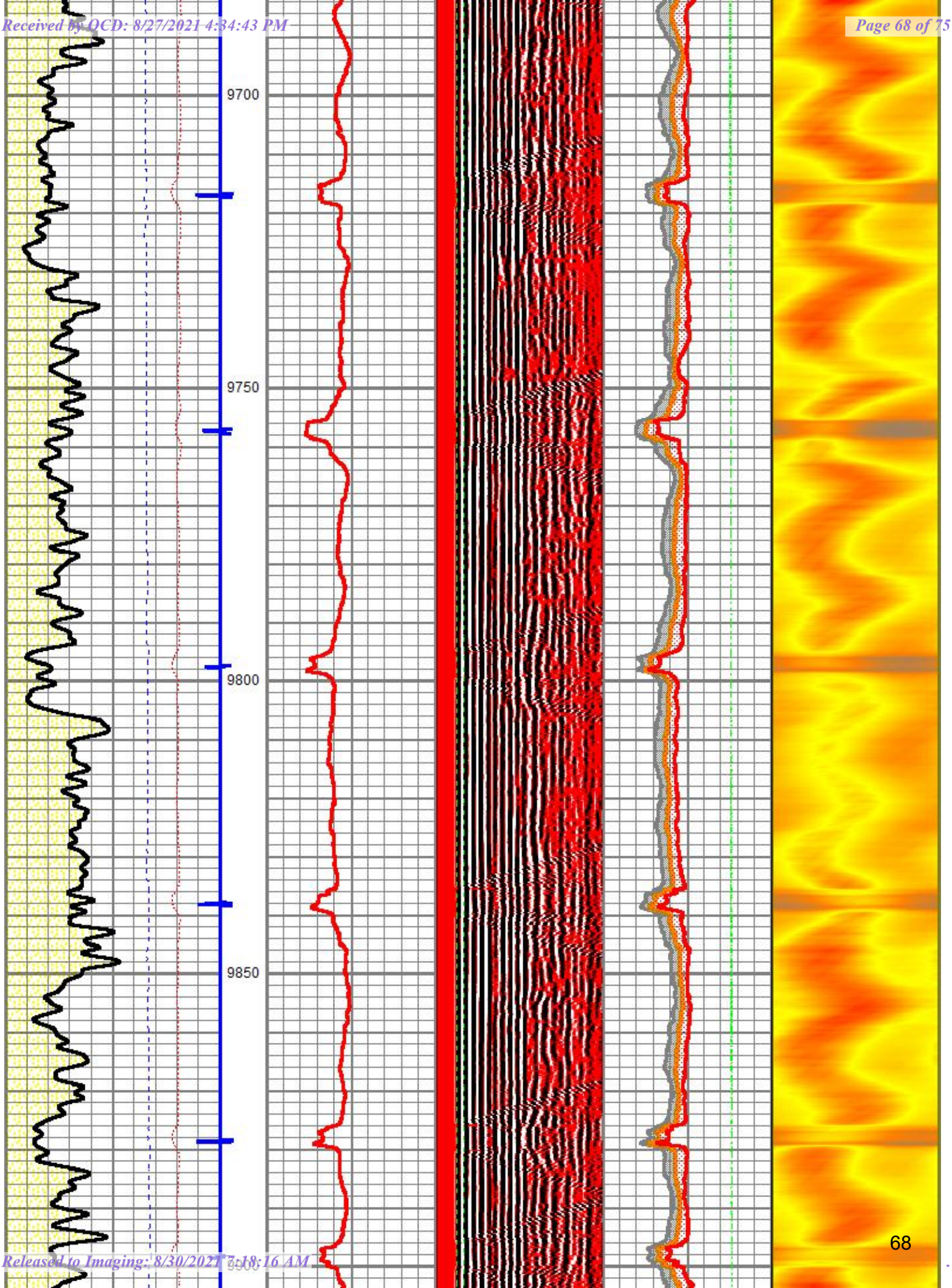

8600
8650
8700
8750

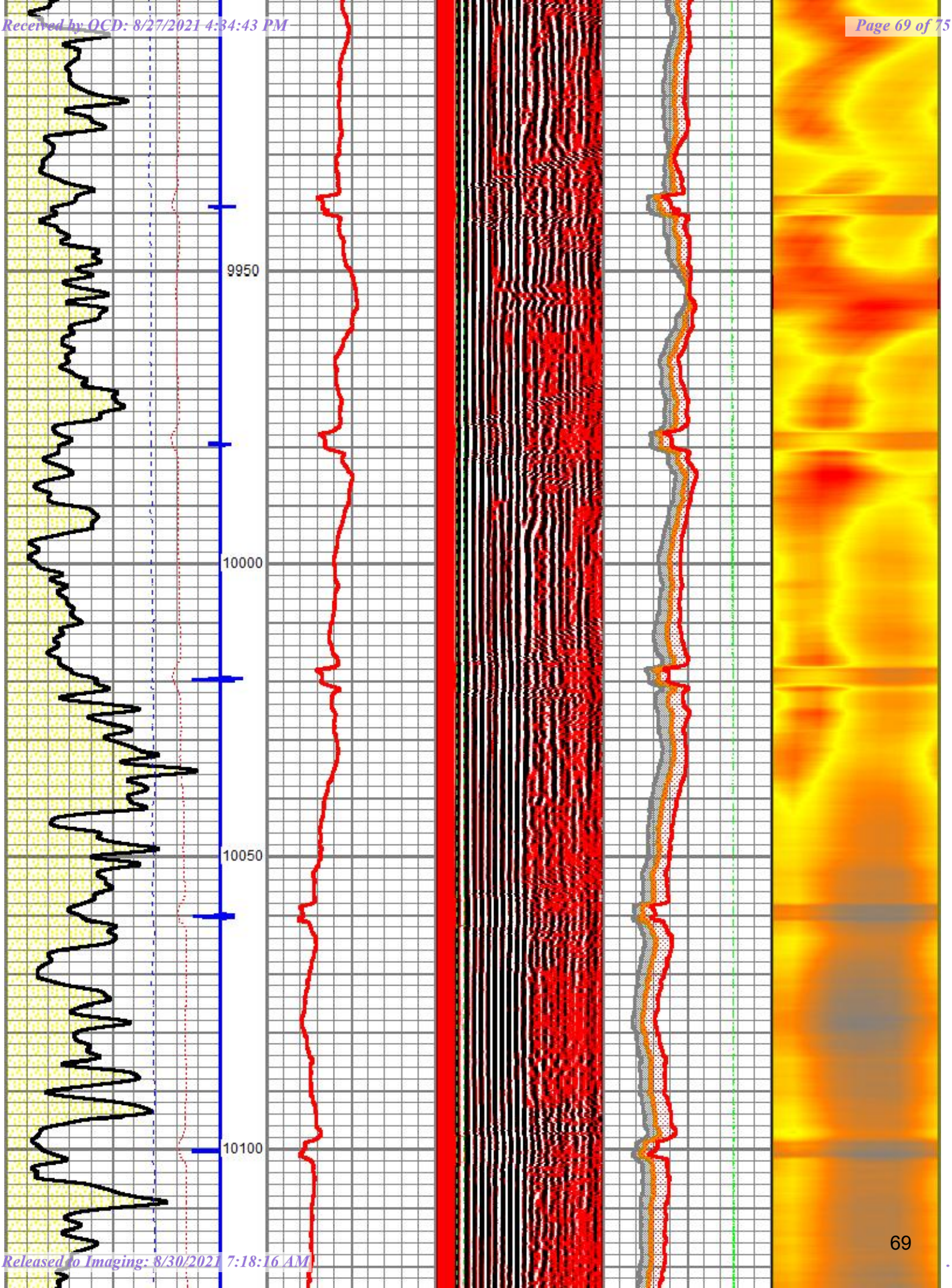

8850
8900
8950
9000

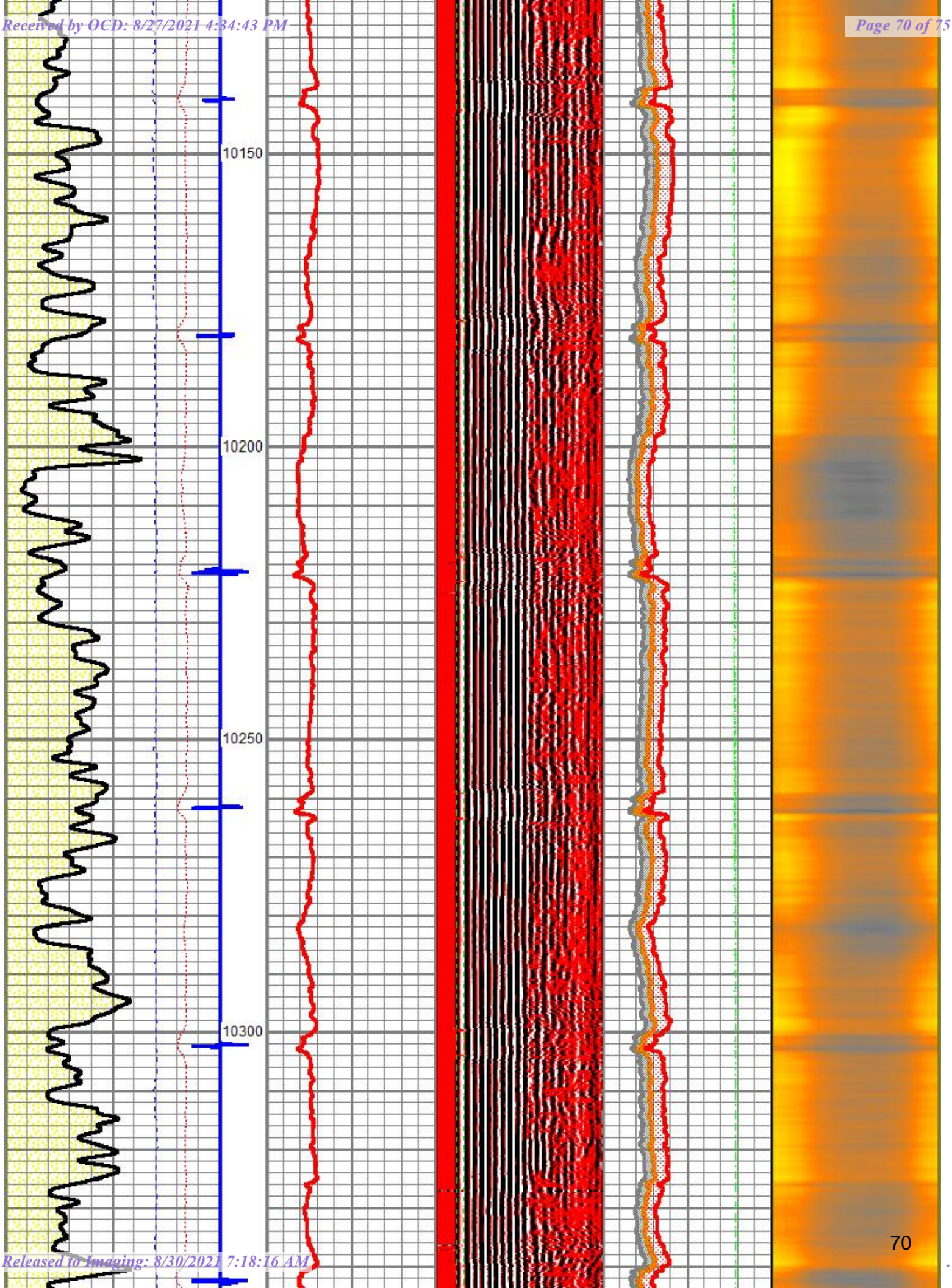

9050
9100
9150
9200

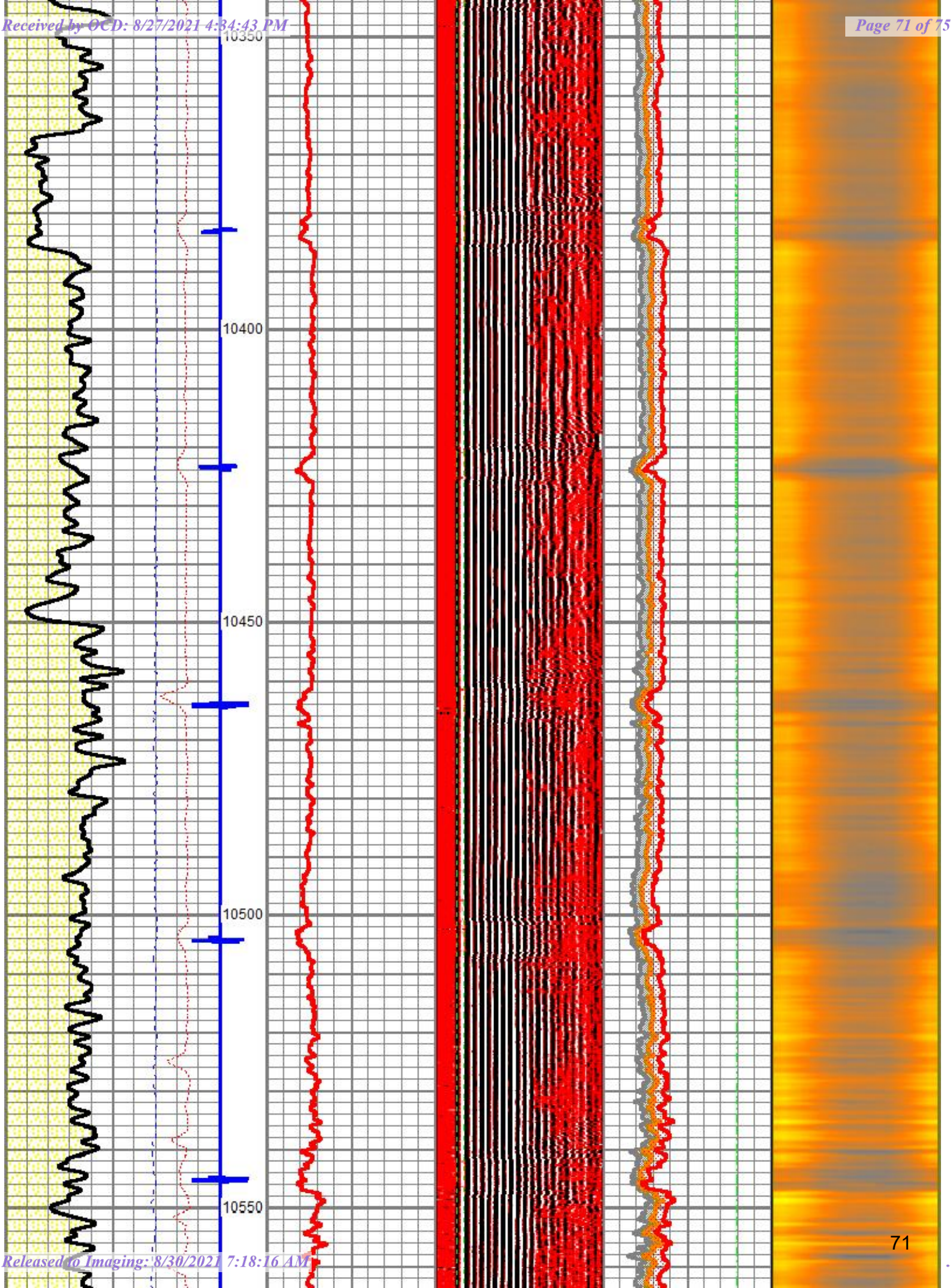

9250
9300
9350
9400
9450

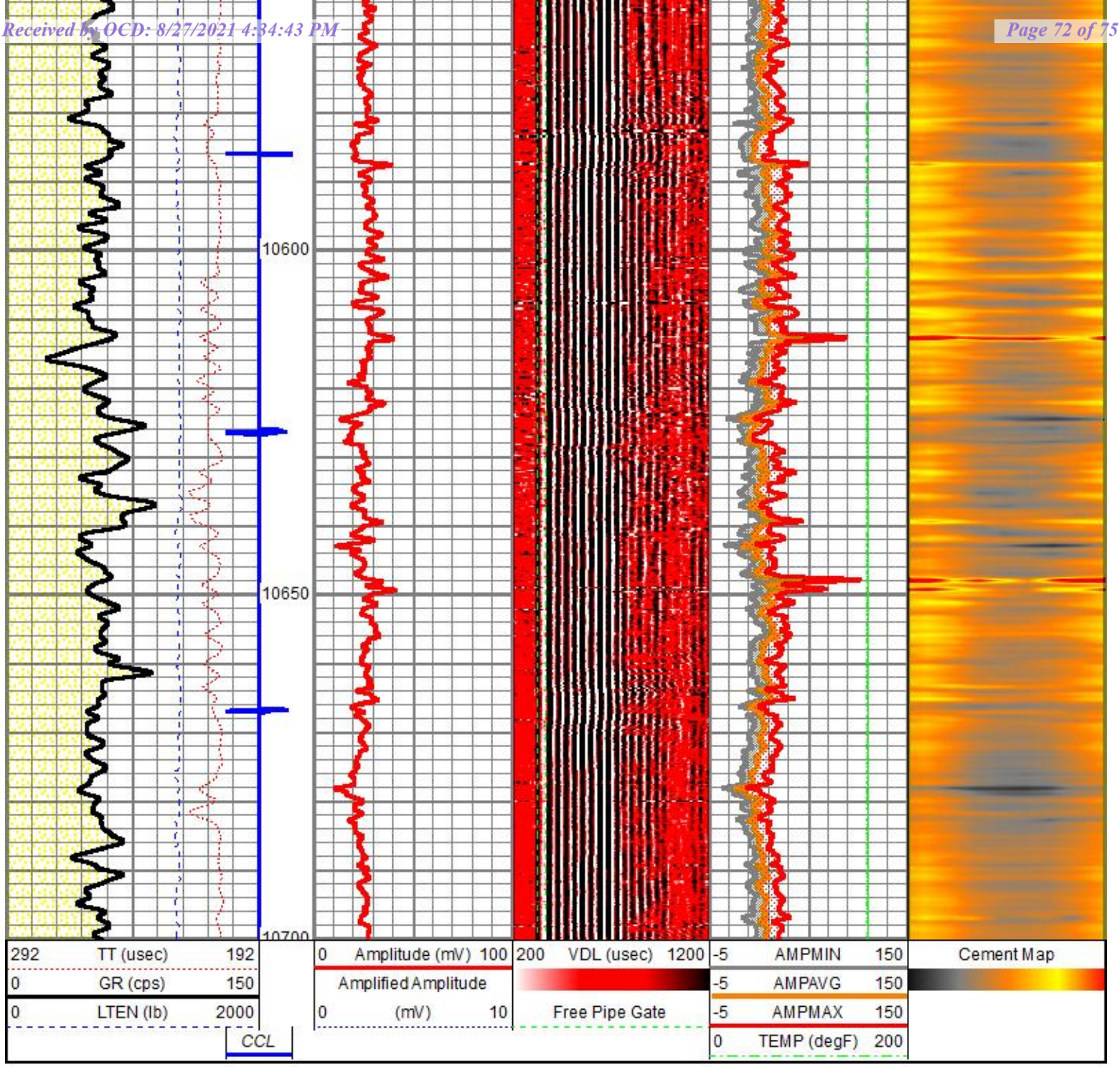

9500
9550
9600
9650


9700
9750
9800
9850


9950
10000
10050
10100


10150
10200
10250
10300


10350
10400
10450
10500
10550



Log Variables

Database C:\ProgramData\Warrior\Data\oxy mesa verde bs unit 4h rcbl.db
Dataset field/well/run1/pass3.1/_vars_

Top - Bottom

BOREID	BOTTEMP	CASEOD	CASETHCK	CASEWGHT	MAXAMPL	MINAMPL	MINATTN	PERFS
in	degF	in	in	lb/ft	mV	mV	db/ft	
8.5	100	5.5	0.304	20	72	1	0.8	0

PPT	SRFTEMP	TDEPTH
usec	degF	ft
0	0	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

CASEITHK : Casing Thickness MINATTN : Minimum Attenuation TDEPTH : Total Depth

Calibration Report

Database File oxy mesa verde bs unit 4h rcbl.db
Dataset Pathname pass3.1
Dataset Creation Mon Apr 16 13:45:31 2018

Gamma Ray Calibration Report

Serial Number:	102001002	
Tool Model:	GCT18	
Performed:	Thu Mar 29 15:02:34 2018	
Calibrator Value:	1092.0	cps
Background Reading:	38.9	cps
Calibrator Reading:	1531.9	cps
Sensitivity:	0.7314	cps/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	1611752	
Tool Model:	RBT17	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	1614.950	ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.007	1.444	1.000	71.921	48.892	1.324
CAL						
5'	0.000	1.470	1.000	71.921	48.242	1.000
SUM						
S1	-0.003	1.327	0.000	100.000	75.191	0.192
S2	-0.002	1.332	0.000	100.000	74.971	0.121
S3	-0.001	1.379	0.000	100.000	72.474	0.052
S4	-0.004	1.185	0.000	100.000	84.092	0.345
S5	0.000	1.246	0.000	100.000	80.276	-0.001
S6	-0.002	1.458	0.000	100.000	68.487	0.154
S7	-0.001	1.399	0.000	100.000	71.470	0.037
S8	0.000	1.394	0.000	100.000	71.721	-0.001

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL						

Air Zero Calibration, performed Mon Apr 16 08:14:20 2018:

	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

Inclinometer Calibration Report

Performed: Wed Oct 04 10:23:24 2017

	Low Read.	High Read.	Low Ref.	High Ref.		Gain	Offset
X Accelerometer	118.00	1877.00	-1.00	1.00	gee	0.00	-1.13
Y Accelerometer	125.00	1885.00	-1.00	1.00	gee	0.00	-1.14
Z Accelerometer					gee		
RB						1.00	77.75

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-1.6875CHD	1.00	1.69	10.00
			GDT_WTC-WTS01 (0001) Digital Telemetry GDTBus	1.97	1.38	5.60
CRCCnt	19.57					
FrmCnt	19.57					
WTSTime	19.57					
WTSTemp	19.57					
CHV	19.57					
RDTTemp	18.66		GDT_RDT-RDT04 (0004) Digital Temperature Tool GDTBus	1.19	1.68	5.00
			CENT-Probe Probe 2 3/4 Centralizer	2.75	2.75	20.00
WVFS8	11.69					
WVFS7	11.69					
WVFS6	11.69					
WVFS5	11.69					
WVFS4	11.69					
WVFS3	11.69					
WVFS2	11.69					
WVFS1	11.69					
WVF3FT	11.69					
WVF5FT	10.69		GDT_RBT-RBT17 (1611752) Radial Bond Tool (8 Sectors) GDTBus	9.08	3.13	106.67

RBTACCY	6.54				
RBTACCX	6.54				
CCL	5.67				
		GDT_GCT-GCT18 (102001002) Gamma Ray & Digital CCL Tool GDTBus	3.79	2.88	30.00
GR	3.45				
		CENT-Probe Probe 2 3/4 Centralizer	2.75	2.75	20.00

Dataset: oxy mesa verde bs unit 4h rcbl.db: field/well/run1/pass3.1
Total length: 22.54 ft
Total weight: 197.27 lb
O.D.: 3.13 in

Company	Occidental Permian, LTD
Well	Mesa Verde BS #4H
Field	Sand Dunes
County	Lea
State	New Mexico

Radial Cement Bond
Gamma Ray CCL
Log