

Well Name: LOGAN B 35 N FEDERAL	Well Location: T17S / R27E / SEC 35 / SESW / 32.7843277 / -104.2502976	County or Parish/State: EDDY / NM
Well Number: 18	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC028755A	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001540807	Operator: RILEY PERMIAN OPERATING COMPANY LLC	

Subsequent Report

Sundry ID: 2820117

Type of Submission: Subsequent Report	Type of Action: Plug and Abandonment
Date Sundry Submitted: 10/31/2024	Time Sundry Submitted: 09:06
Date Operation Actually Began: 10/31/2024	

Actual Procedure: Attached

SR Attachments

- Actual Procedure
- Logan\_B\_35\_N\_Federal\_18\_Final\_WBD\_20241031090629.pdf
  - riley\_logan\_b\_35n\_fed18\_20241031090610.pdf
  - Logan\_b\_35\_N\_Fed\_18\_20241031090546.pdf

Well Name: LOGAN B 35 N FEDERAL	Well Location: T17S / R27E / SEC 35 / SESW / 32.7843277 / -104.2502976	County or Parish/State: EDDY / NM
Well Number: 18	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC028755A	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001540807	Operator: RILEY PERMIAN OPERATING COMPANY LLC	

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: DEB FIORDA	Signed on: OCT 31, 2024 09:06 AM
Name: RILEY PERMIAN OPERATING COMPANY LLC	
Title: REGULATORY SPECIALIST	
Street Address: 29 E RENO AVENUE	
City: OKLAHOMA CITY	State: OK
Phone: (405) 754-6968	
Email address: DEBFIORDA@RILEYPERMIAN.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: JAMES A AMOS	BLM POC Title: Acting Assistant Field Manager
BLM POC Phone: 5752345927	BLM POC Email Address: jamos@blm.gov
Disposition: Accepted	Disposition Date: 11/11/2024
Signature: James A Amos	

Form 3160-5 (June 2019)	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2021
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No. NMLC028755A
		6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. LOGAN B 35 N FEDERAL/18	
2. Name of Operator RILEY PERMIAN OPERATING COMPANY LLC	9. API Well No. 3001540807	
3a. Address 29 E RENO AVENUE SUITE 500, OKLAHOMA C	3b. Phone No. (include area code) (405) 543-1411	10. Field and Pool or Exploratory Area RED LAKE/RED LAKE
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 35/T17S/R27E/NMP		11. Country or Parish, State EDDY/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Attached

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) DEB FIORDA / Ph: (405) 754-6968	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 10/31/2024

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by JAMES A AMOS / Ph: (575) 234-5927 / Accepted	Title Acting Assistant Field Manager	Date 11/11/2024
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office CARLSBAD	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

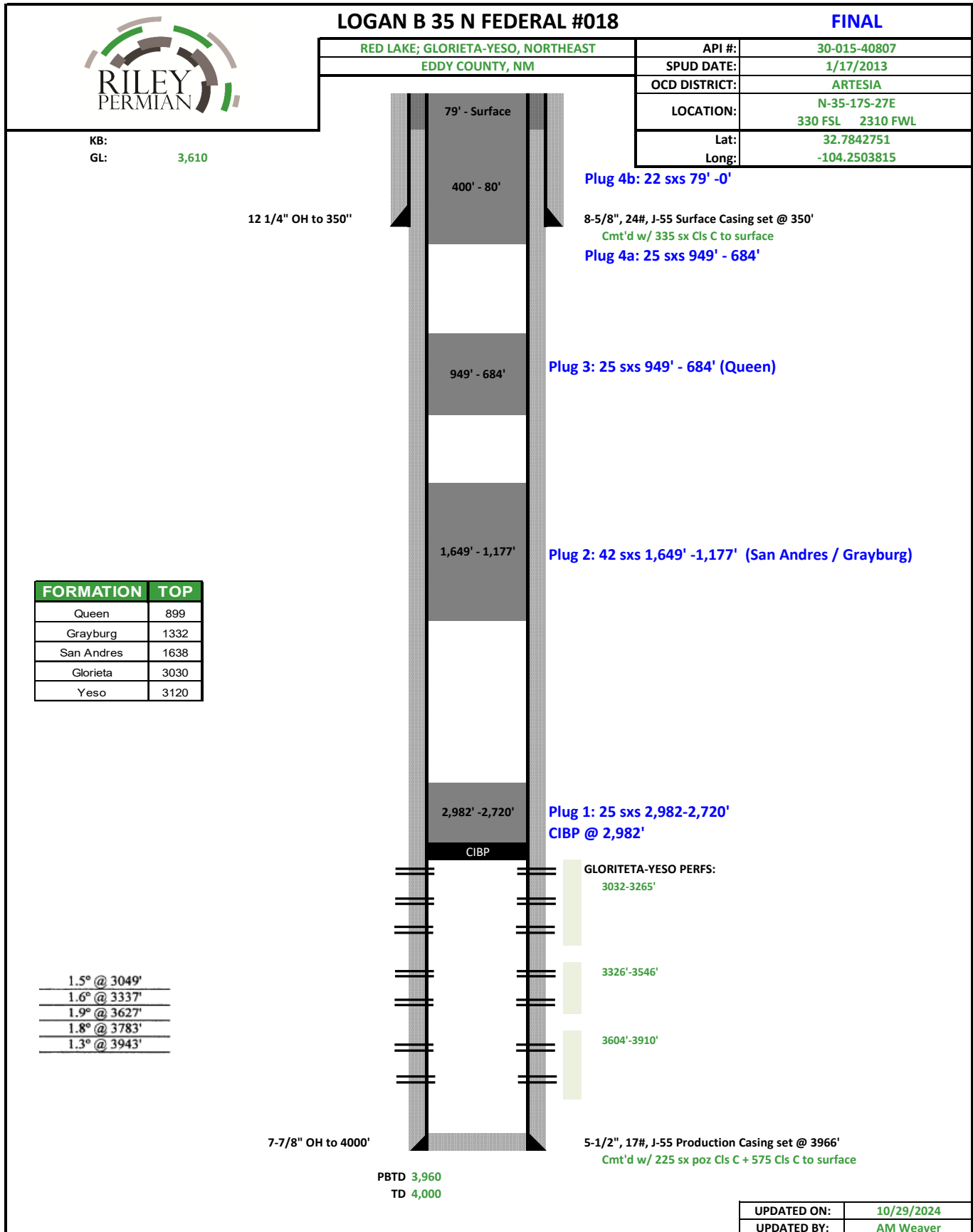


## **Additional Information**

### **Location of Well**

0. SHL: SESW / 330 FSL / 2310 FWL / TWSP: 17S / RANGE: 27E / SECTION: 35 / LAT: 32.7843277 / LONG: -104.2502976 ( TVD: 0 feet, MD: 0 feet )

BHL: SESW / 330 FSL / 2310 FWL / TWSP: 17S / SECTION: / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 0 feet )





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

Company Riley Exploration		Company Riley Exploration	
Well Logan B 35 N Fed #18		Well Logan B 35 N Fed #18	
Field		Field	
County Eddy		County Eddy	
State New Mexico		State New Mexico	
Location: 330 FSL & FWL		Other Services NONE	
SEC 32 TWP 17S RGE 27E		Elevation	
Permanent Datum	Ground Level	Elevation	3610'
Log Measured From	KB A.P.D.	K.B. D.F.	
Drilling Measured From	Kelly Bushing	G.L.	3610'
Date	25-OCT-2024		
Run Number	One		
Depth Driller	4000'		
Depth Logger	Not Logged		
Bottom Logged Interval	2720'		
Top Log Interval	Surface		
Open Hole Size	7.875"		
Type Fluid	Fresh Water		
Density / Viscosity	NA		
Max. Recorded Temp.	86.1 DegF		
Estimated Cement Top	80'		
Time Well Ready	17:30		
Time Logger on Bottom	18:00		
Equipment Number	HU 071		
Location	Hobbs NM		
Recorded By	V. Hill		
Witnessed By	Orlando Sedillos		
Borehole Record		Tubing Record	
Run Number	Bit	From	To
One	12.25"	Surface	350'
Two	7.875"	350'	4000'
Casing Record		Top	
Size	8.625"	Wgt/Ft	24# J55
Surface String		Surface	350'
Production String	5.50"	17#	Surface
Line			3966'

<<< 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**

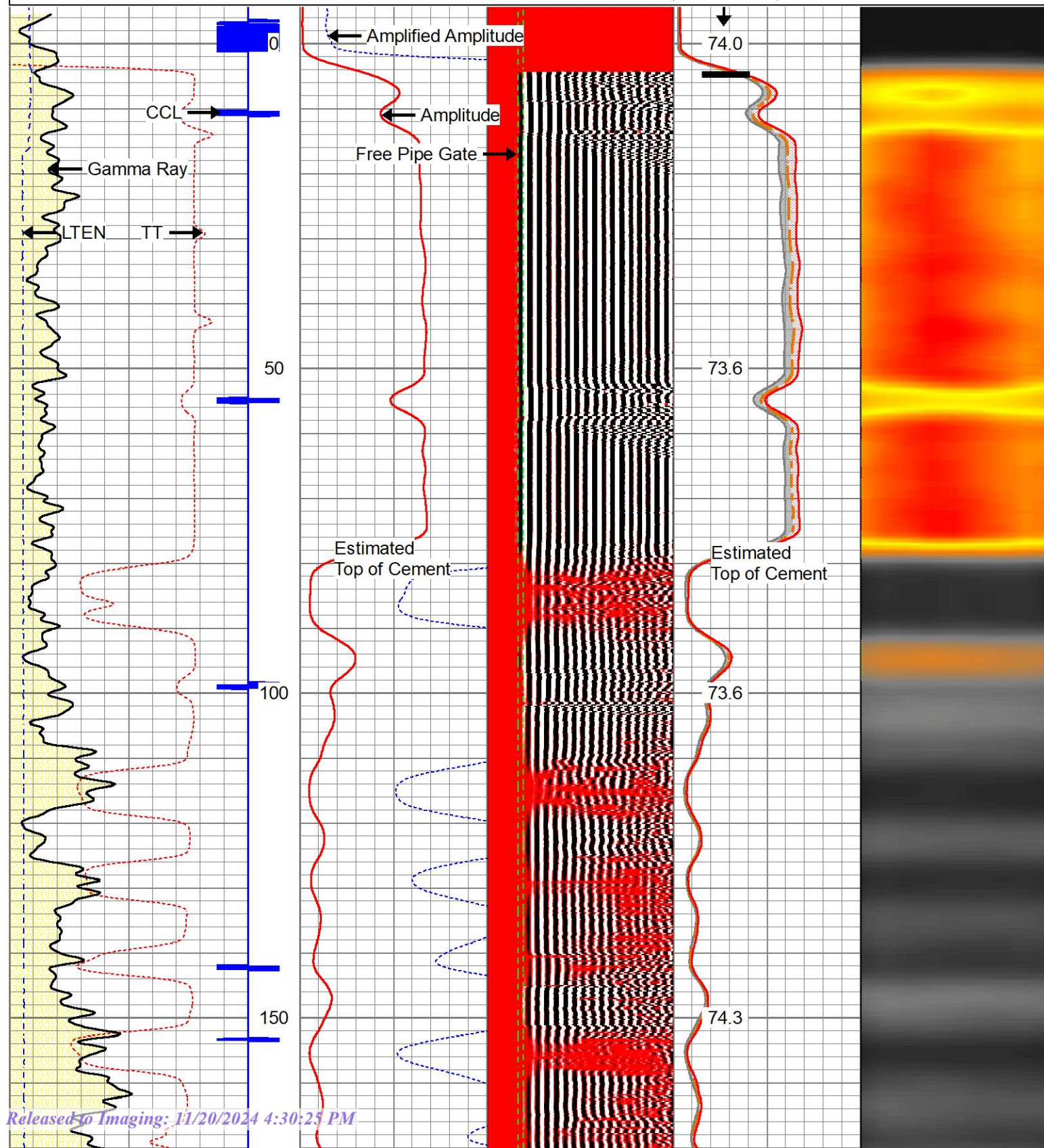
Log Measured from Surface  
Not Correlated, All Depths are Wireline Only

Repeat Pass

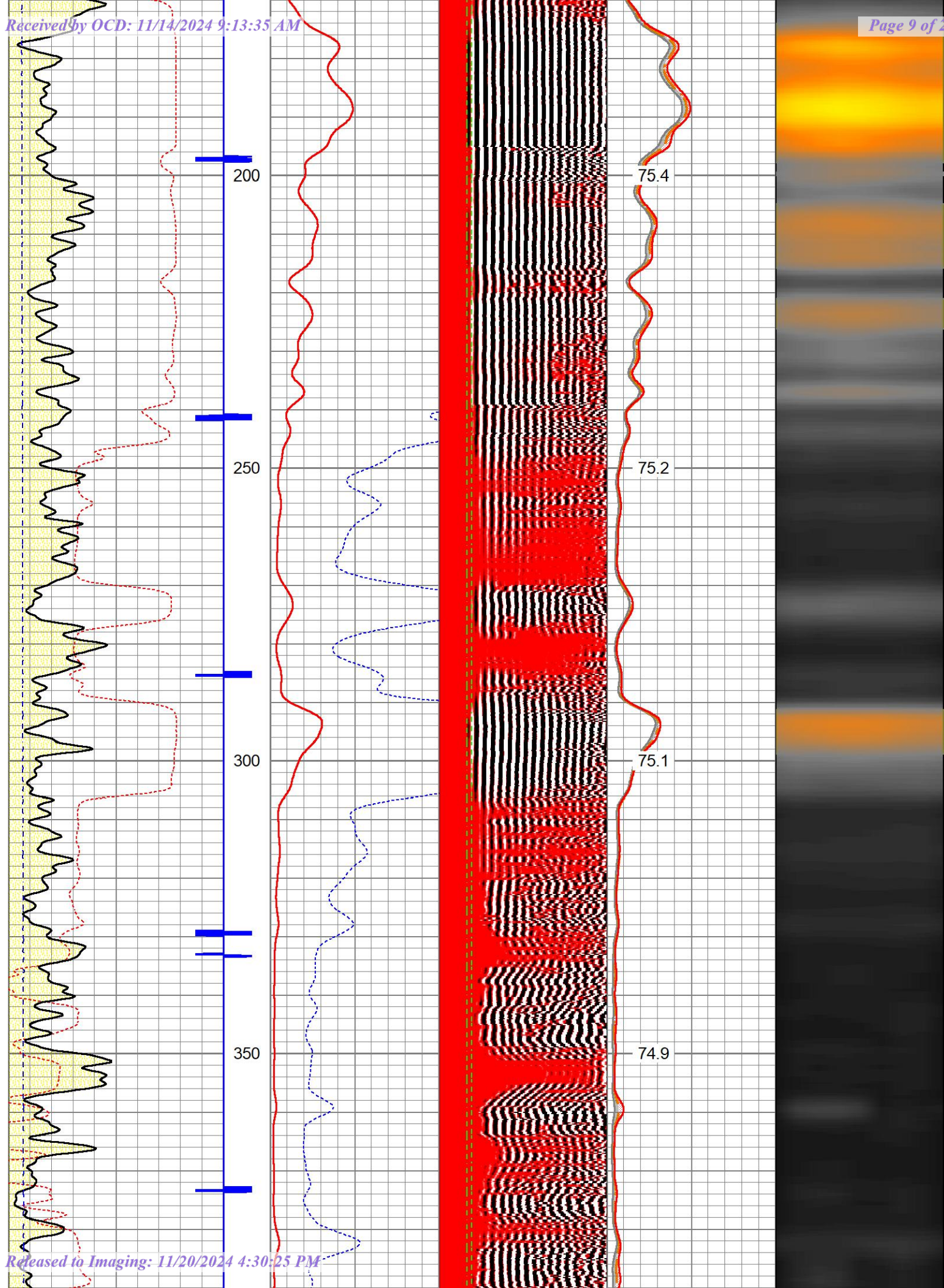
-0- PSI

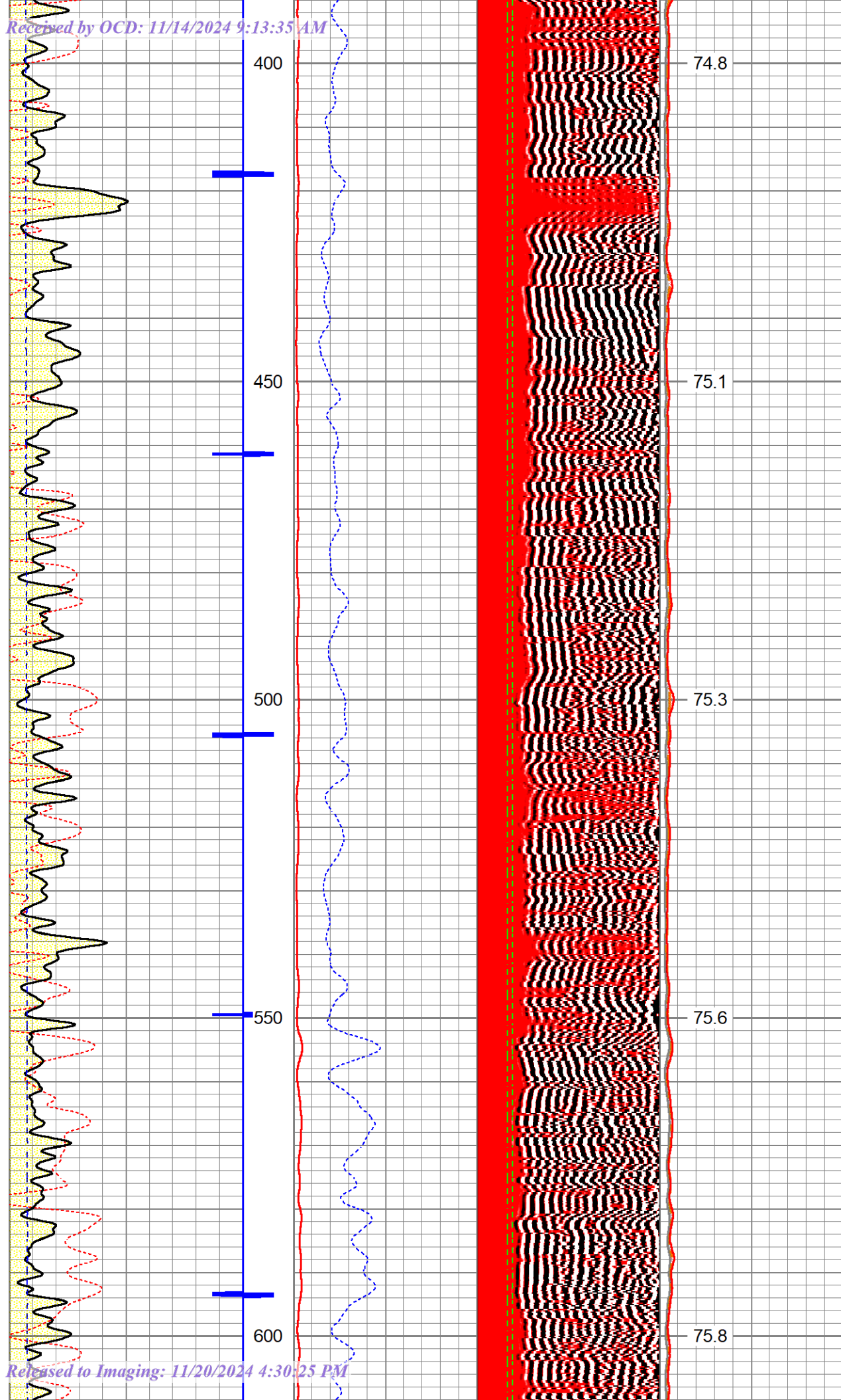


336	TT (usec)	236	0	Amplitude (mV)	100	200	VDL (usec)	1200	-5	AMPMIN	150	Cement Map
0	GR (GAPI)	150		Amplified Amplitude					-5	AMPAVG	150	
0	LTEN (lb)	4000	0	(mV)	10		Free Pipe Gate		-5	AMPMAX	150	
										TEMP		
										(degF)		

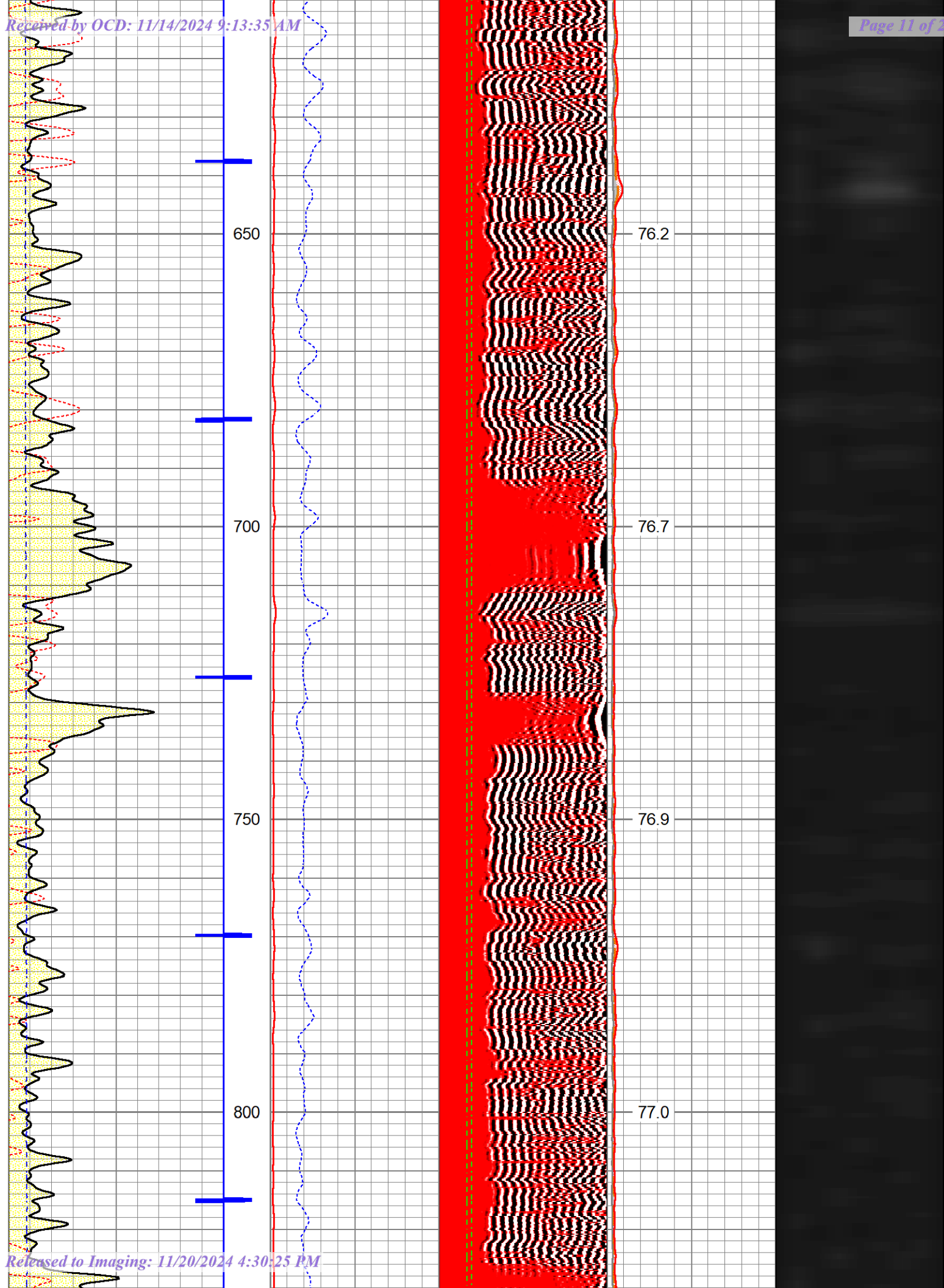




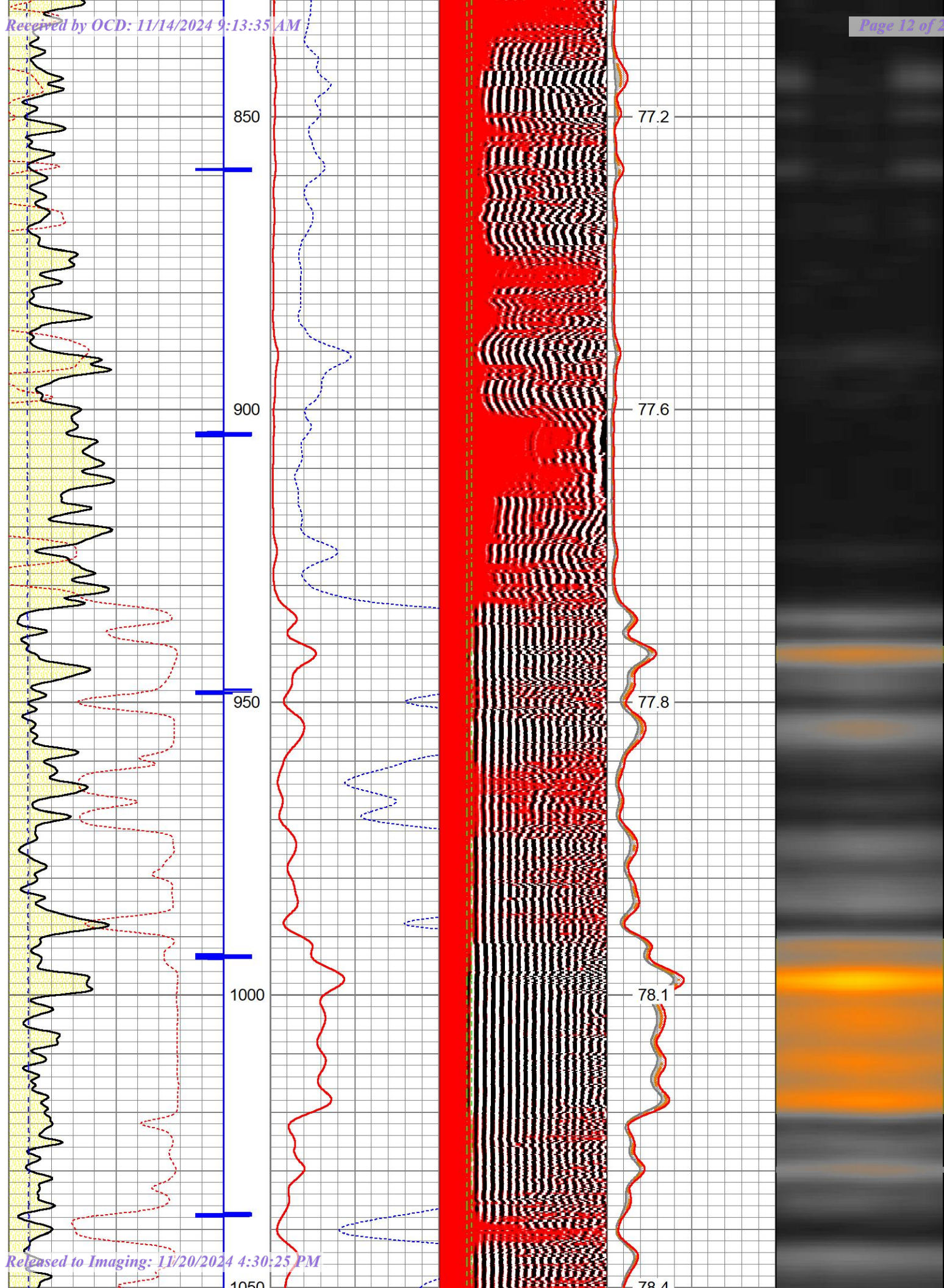




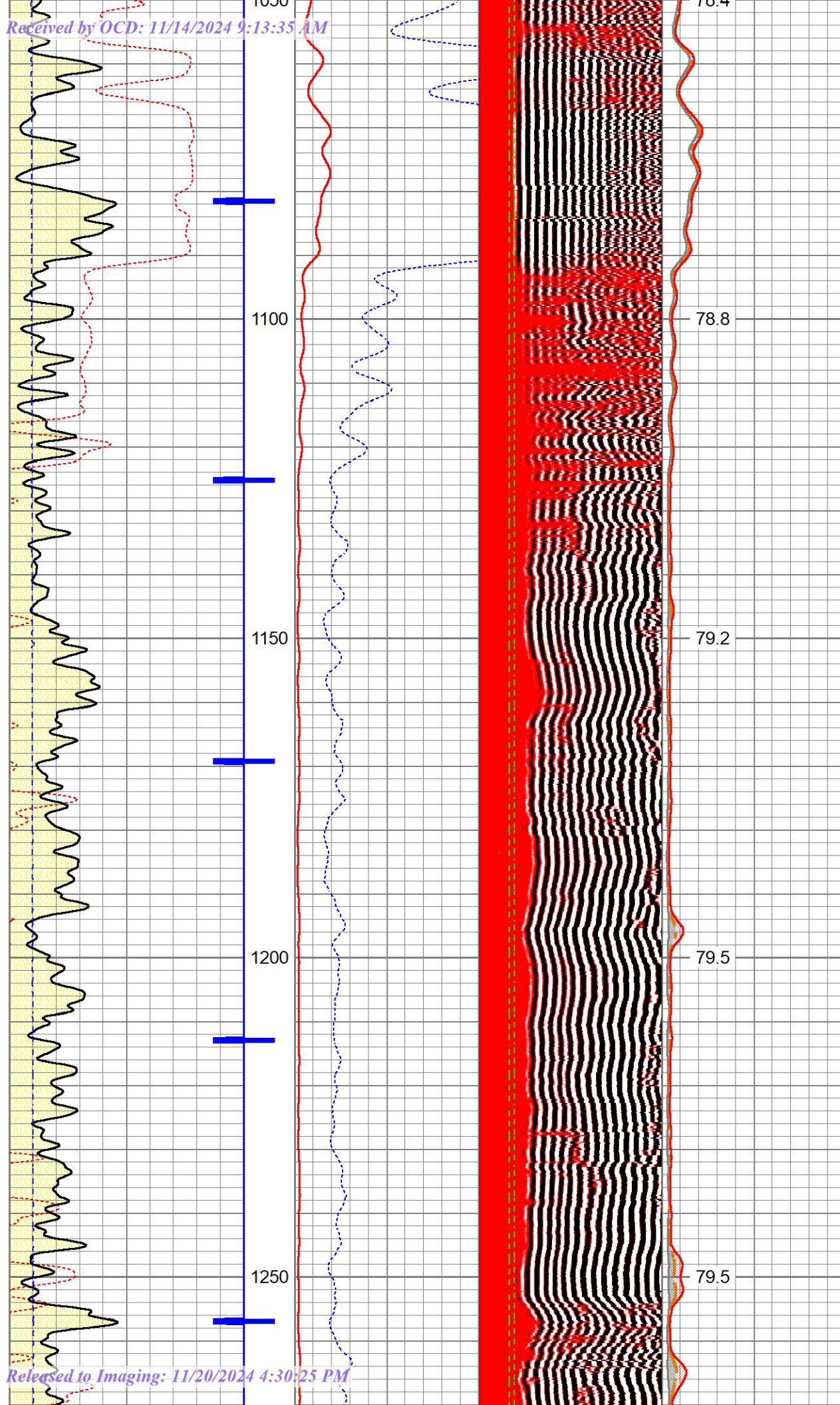




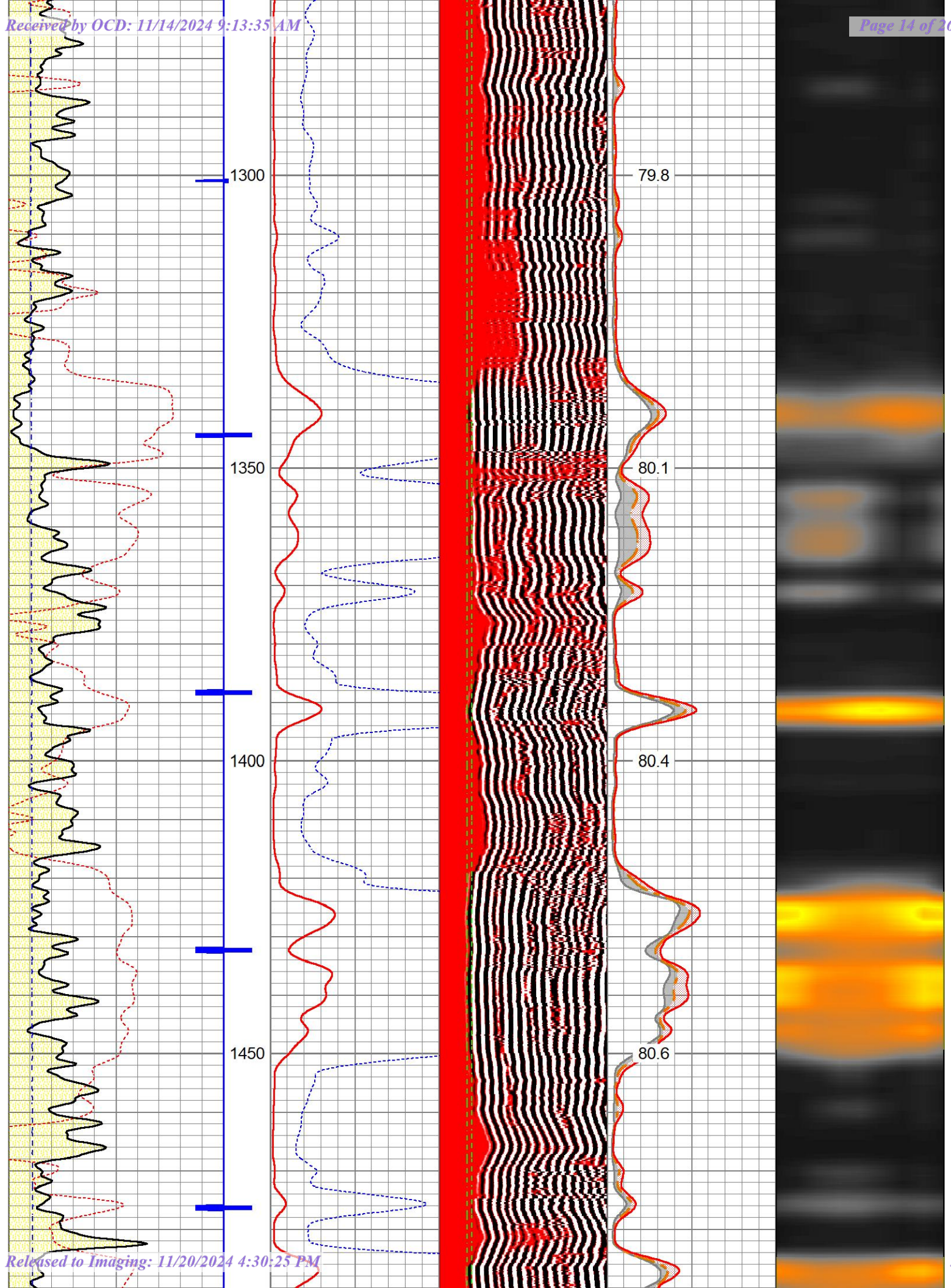




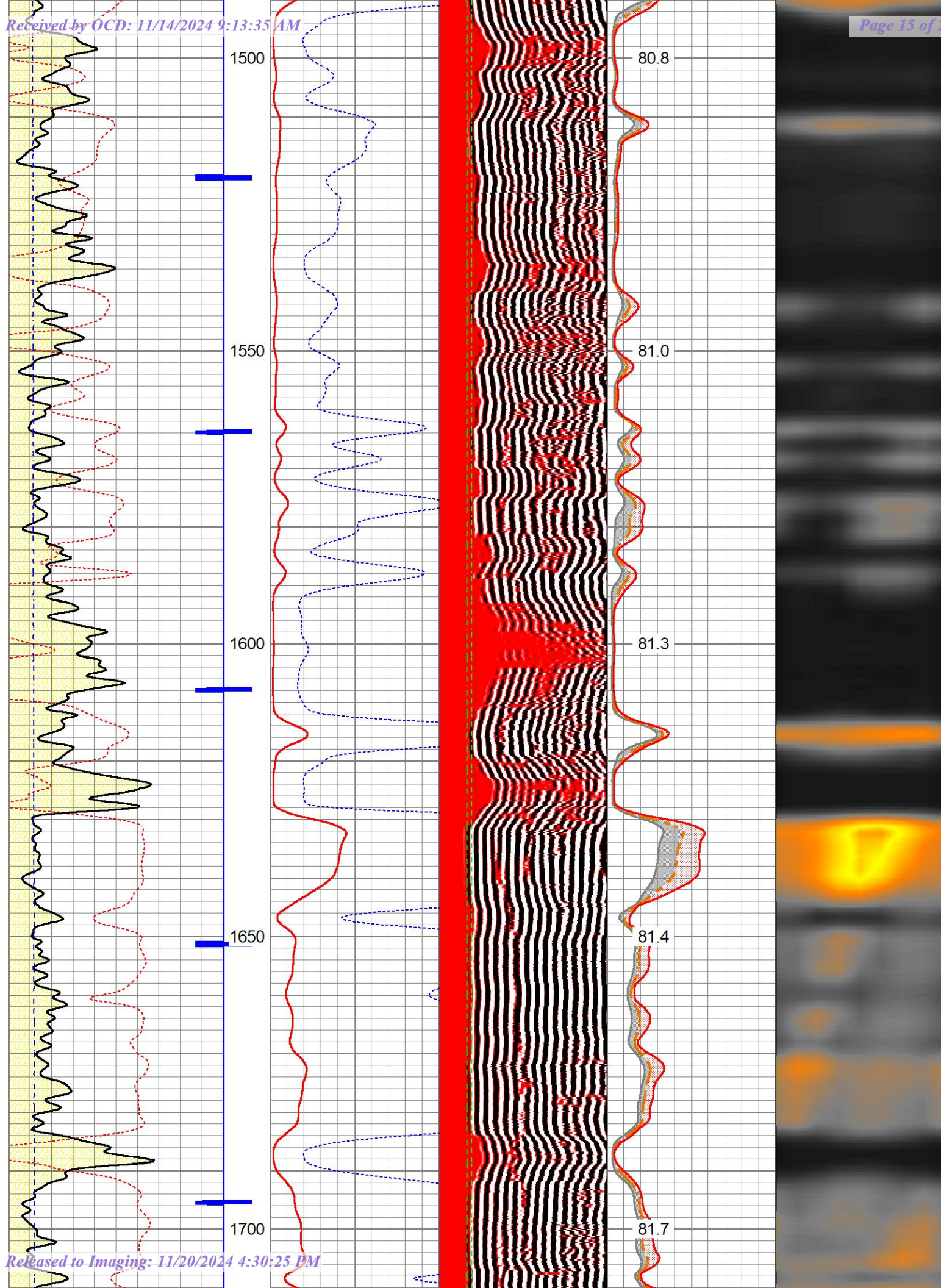




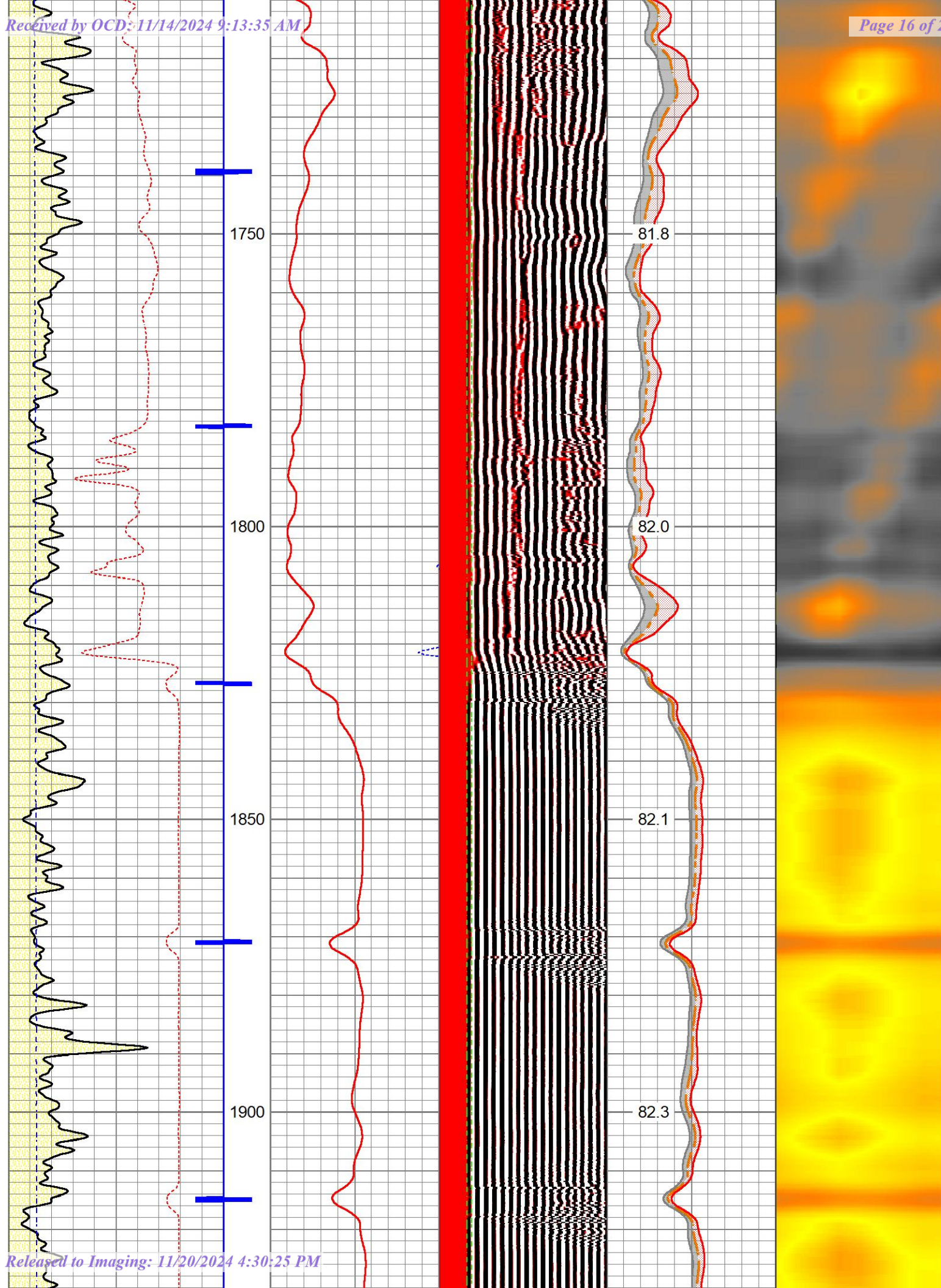




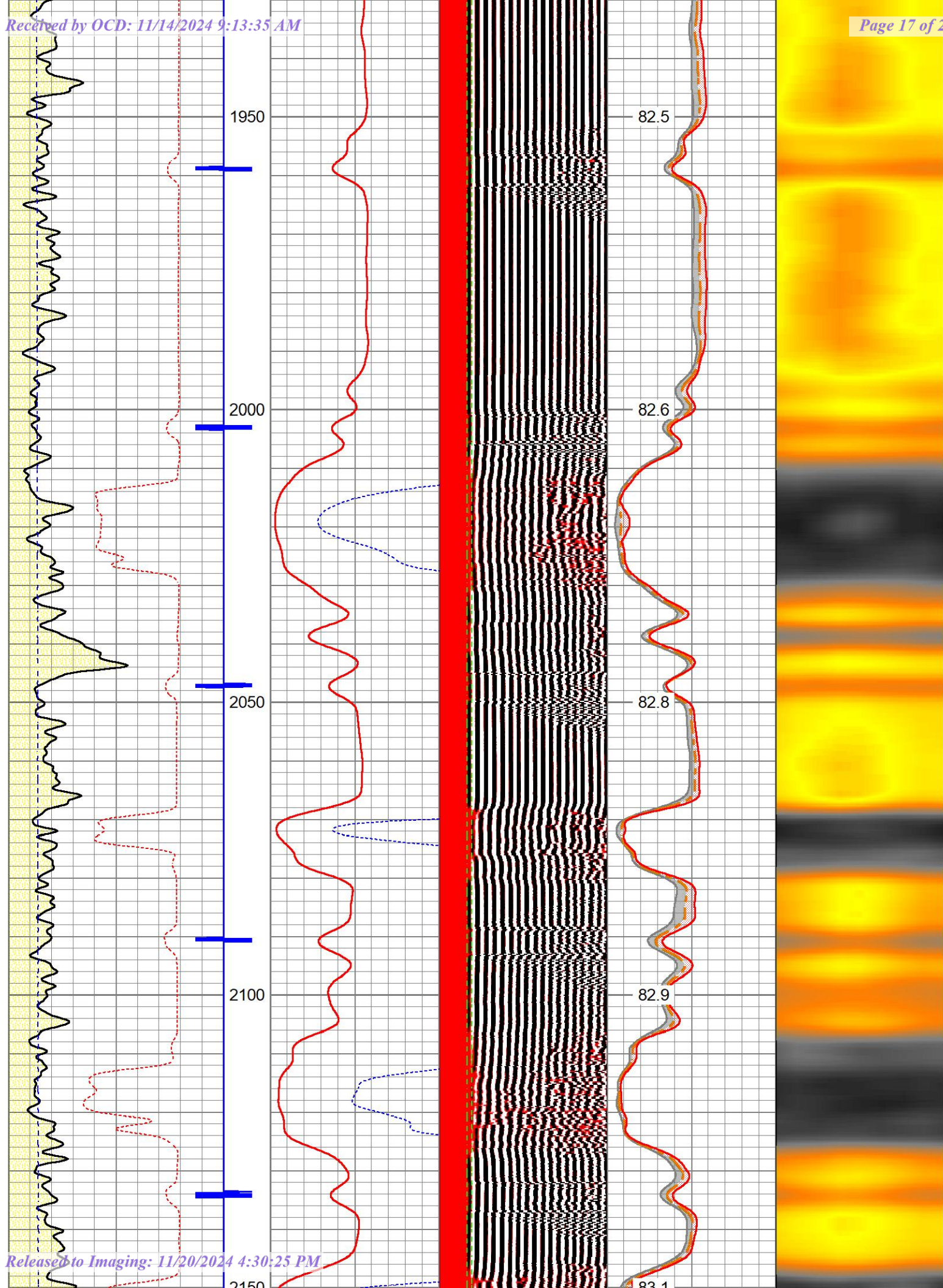




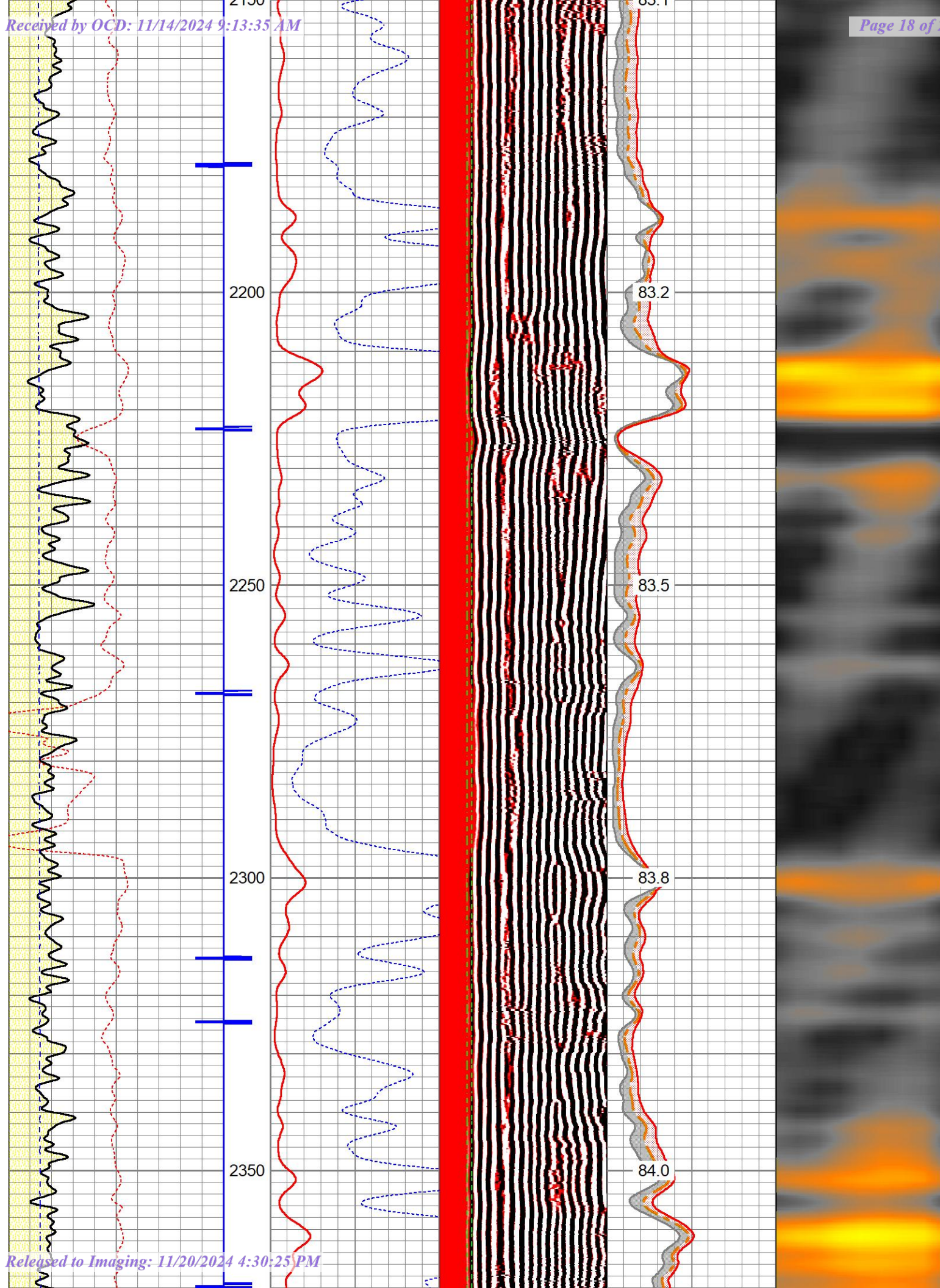




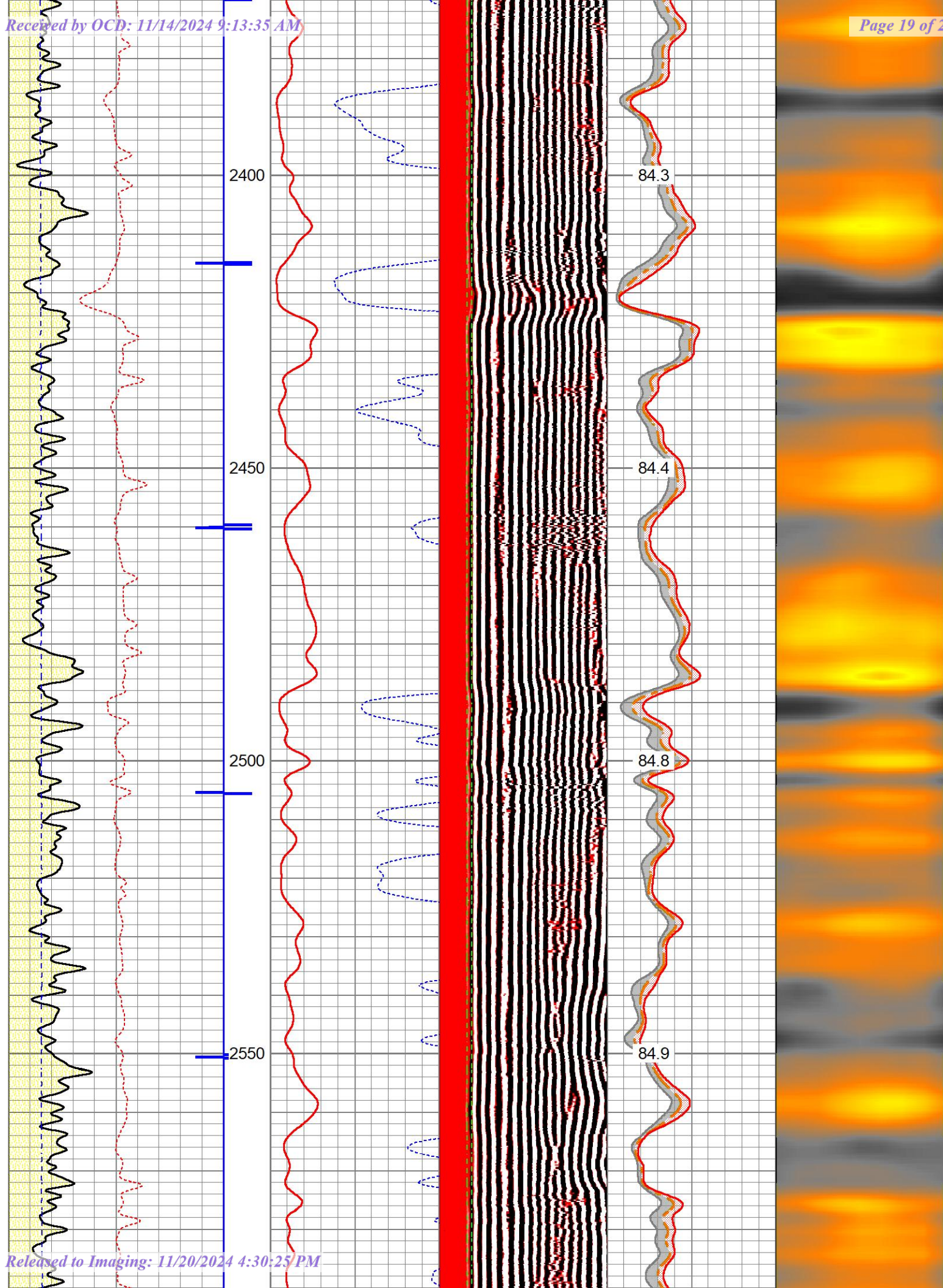




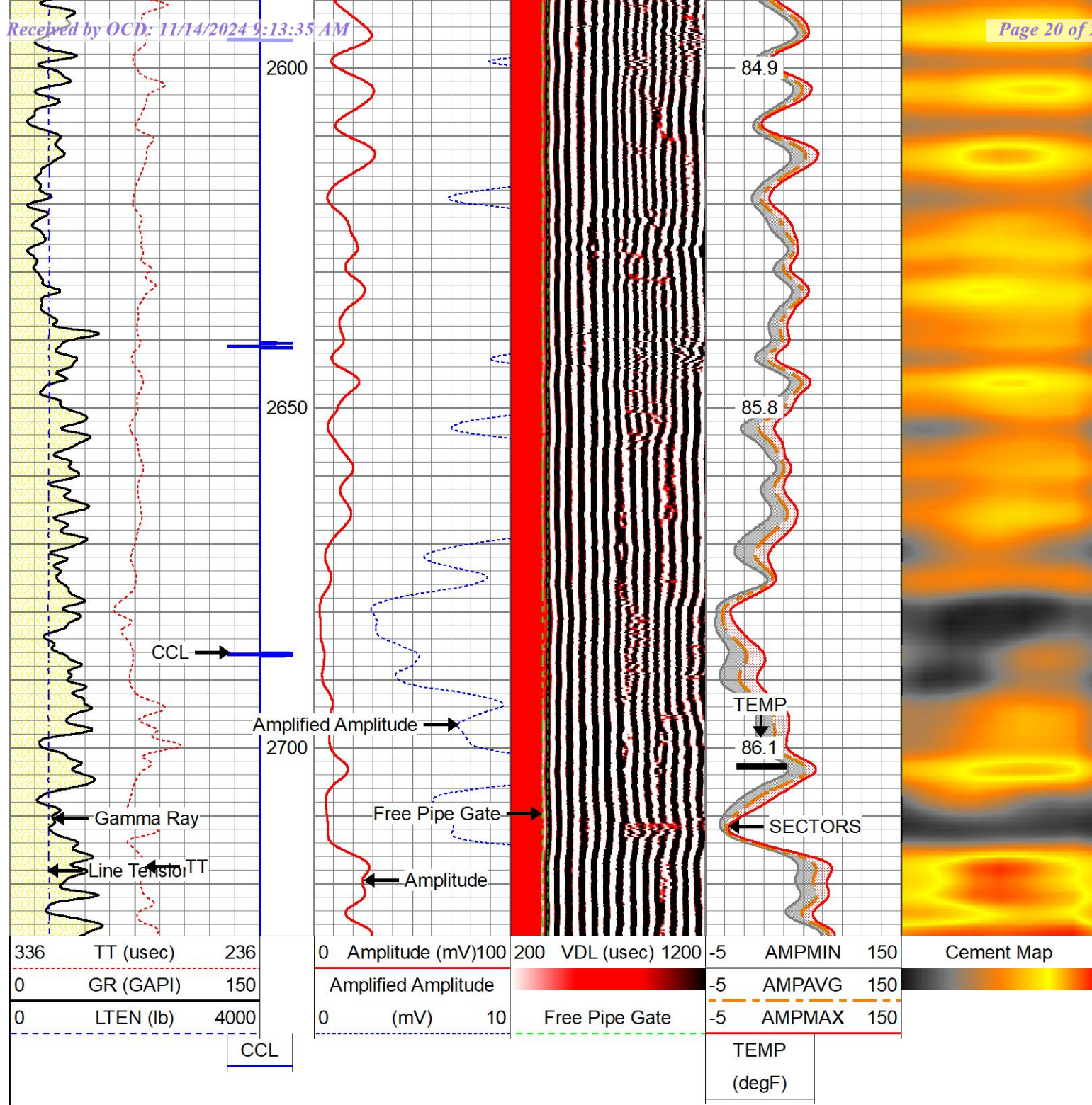






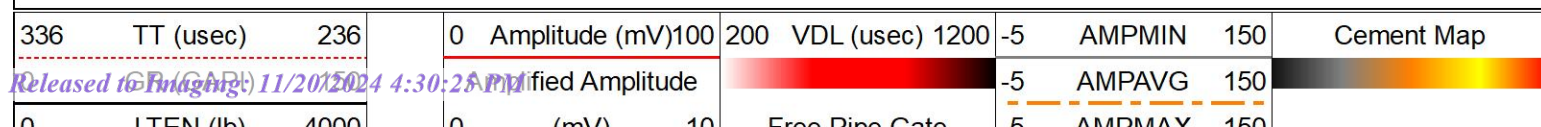




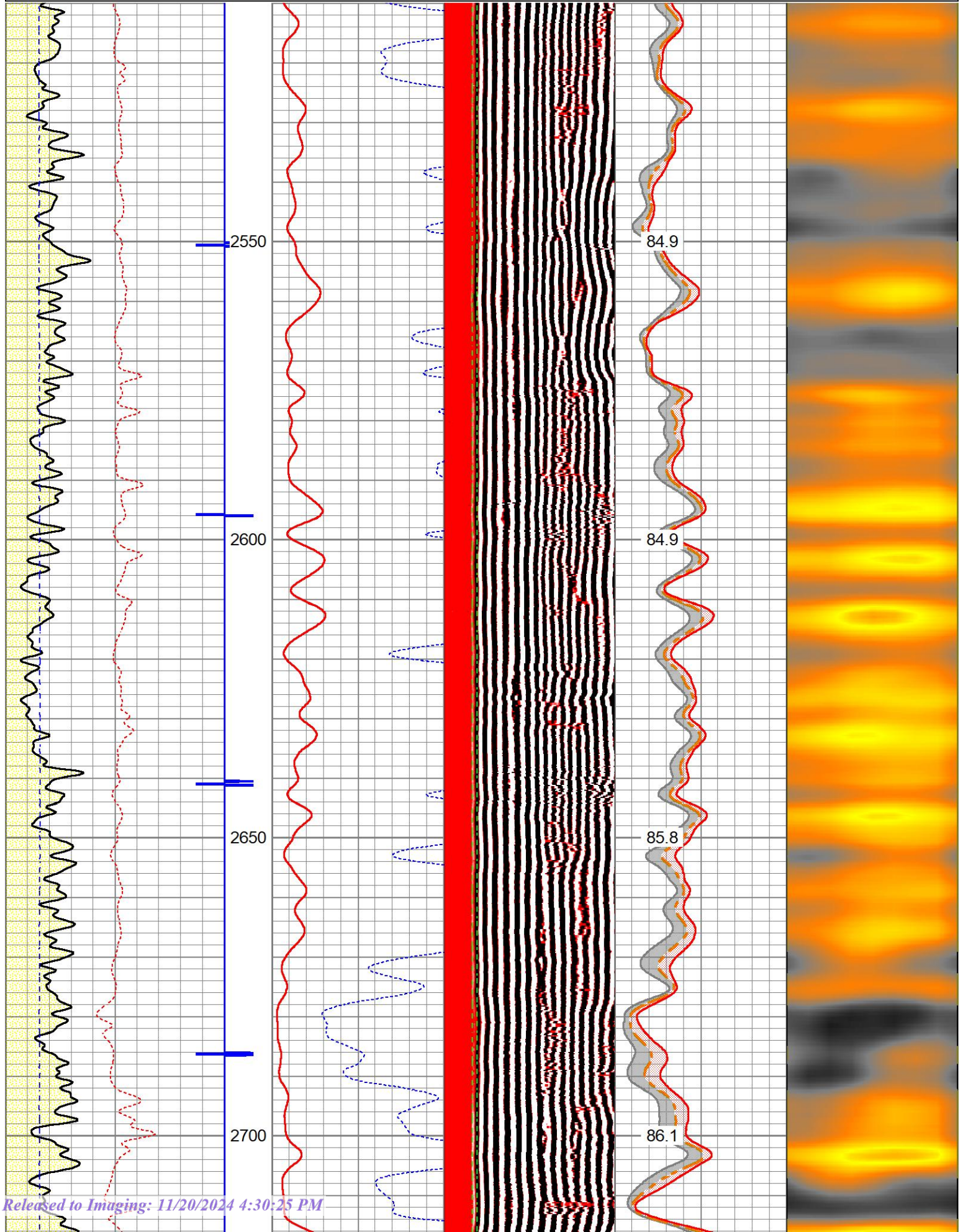


## Repeat Pass

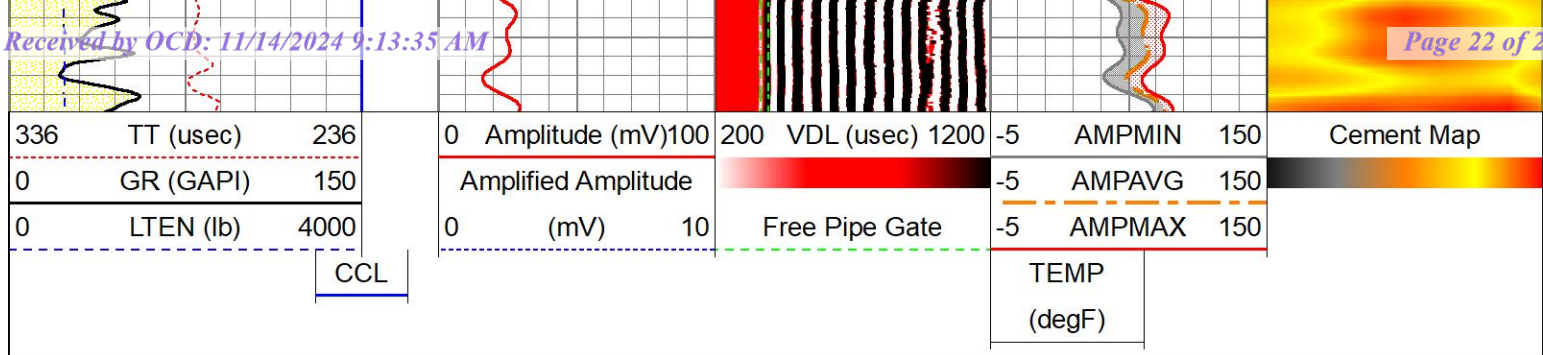
Database File: riley\_log\_a\_b\_35n\_fed18.db  
 Dataset Pathname: pass4  
 Presentation Format: rrcbl\_mx  
 Dataset Creation: Fri Oct 25 18:39:02 2024  
 Charted by: Depth in Feet scaled 1:240











Log Variables

DatabaseC:\ProgramData\Warrior\Data\riley\_log\_a\_b\_35n\_fed18.db  
Dataset field/well/run1/pass3/\_vars\_

Top - Bottom

BHTEMP_Src	BOREID	BOTTEMP	CASEOD	CASETHCK	CASEWGHT	MAXAMPL	MINAMPL
TEMP	in	degF	in	in	lb/ft	mV	mV
	7.875	100	5.5	0	17	72	1
MINATTN	PERFS	PPT	SRFTEMP	TDEPTH			
db/ft		usec	degF	ft			
0.8	No	0	74	0			

Variable Description

BHTEMP\_Src : BHTEMP Input Source Selector  
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

Calibration Report

Database File riley\_log\_a\_b\_35n\_fed18.db  
Dataset Pathname pass3  
Dataset Creation Fri Oct 25 17:43:47 2024

Gamma Ray Calibration Report

Serial Number: FW 1403-042h  
Tool Model: Probe275  
Performed: Mon Sep 30 09:20:26 2024  
Calibrator Value: 287.0 GAPI  
Background Reading: 40.1 cps  
Calibrator Reading: 388.1 cps  
Sensitivity: 0.8248 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 100529  
Tool Model: Probe  
Calibration Casing Diameter: 5.500 in  
Calibration Depth: 0.000 ft

Master Calibration performed Fri Oct 25 15:15:40 2024:

	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.003	0.528	1.000	71.921	133.434	1.458
CAL	-0.004	0.538				
5'	-0.004	0.526	1.000	71.921	133.787	1.580
SUM						
S1	0.005	0.521	0.000	100.000	193.513	-0.891
S2	-0.003	0.526	0.000	100.000	189.061	0.593
S3	-0.003	0.532	0.000	100.000	187.002	0.591
S4	-0.003	0.531	0.000	100.000	187.310	0.585
S5	-0.003	0.540	0.000	100.000	183.987	0.595
S6	-0.003	0.538	0.000	100.000	184.604	0.597
S7	-0.003	0.529	0.000	100.000	187.860	0.605
S8	-0.003	0.528	0.000	100.000	188.170	0.634

Internal Reference Calibration, performed Fri Oct 25 15:13:48 2024:


	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.004	0.538	1.000	0.000

Air Zero Calibration, performed Fri Oct 25 15:11:17 2024:

	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	

Temperature Calibration Report

Serial Number:		100529			
Tool Model:		Probe			
Performed:		Mon Oct 21 09:30:02 2024			
		Reference		Reading	
Low Reference:		0.00	degF	0.00	degF
High Reference:		1.00	degF	1.00	degF
Gain:		1.00			
Offset:		0.00			
Delta Spacing		1			

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
CHD	19.58		CHD-1.4375CHD Titan Cable Head 1 7/16	1.00	1.44	5.40
CENT	18.58		CENT-BC275-0000	2.83	2.75	24.00

Received by OCD: 11/14/2024 9:13:35 AM				Page 24 of 2			
RBT	15.75		Probe 2.75" Bowspring Centralizer				
TEMP	14.50						
WVFS8	11.60		RBT-Probe (100529) Probe Radii Bond Tool with Digital Telemetry		8.33	2.75	90.00
WVFS7	11.60						
WVFS6	11.60						
WVFS5	11.60						
WVFS4	11.60						
WVFS3	11.60						
WVFS2	11.60						
WVFS1	11.60						
WVFCAL	11.60						
WVF3FT	11.60						
WVF5FT	10.60						
CENT	7.42	CENT-BC275-0000 Probe 2.75" Bowspring Centralizer		2.83	2.75	24.00	
GR	4.58						
CCL	3.64						
		GR-Probe275 (FW 1403-042h) Probe Gamma Ray CCL Analog Bottom Det.		4.58	2.75	57.00	
GR	0.90						
Dataset: riley_log_a_b_35n_fed18.db: field/well/run1/pass3 Total length: 19.58 ft Total weight: 200.40 lb O.D.: 2.75 in							

	Company	Riley Exploration	
	Well	Logan B 35 N Fed #18	
	Field		
	County	Eddy	
	State	New Mexico	Country USA



Form 3160-5  
(June 2015)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No. NMLC028755A

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator Riley Permian Operating Company LLC

3a. Address 29 E. Reno Ave, Ste 500  
Oklahoma City, OK3b. Phone No. (include area code)  
(405) 543-14114. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 35, T17S, R27E, NMP

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. LOGAN B 35 N FEDERAL 18

9. API Well No. 30-015-40807

10. Field and Pool or Exploratory Area  
Red Lake/Red Lake11. Country or Parish, State  
Eddy, NM

## 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

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10/25/24 - MIRU. LD 145 rods. NU BOP. SB 102 jts. LD 18 jts. RU WL - RIH GR to 2982'. RIH & set 5½ CIBP @ 2982'. RIH Tbg - Tag BP. Circ well w/ 70 bbl BW w/ 17 gal Plexgel. Spot 25sx cmt @ 2982'-2730'. RU Renegade WL - Run CBL from 2700' to surface

10/28/24 - Tag TOC @ 2719'. Spot 42sx cmt @ 1694'-1270'. WOC-Tag @ 1177'. Spot 25sx cmt @ 949'-696'

10/29/24 - Tag TOC @ 684'. Spot 31sx cmt @ 400'-80'. RU WL - Perf @ 80'. Circ 25sx cmt @ 80' to surface. RDMO

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Greg Bryant

Title Agent

Signature



Date

10/29/2024

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)



Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 403229

CONDITIONS

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 403229
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
kfortner	Submit C-103Q within one year of plugging.	11/19/2024
kfortner	CBL is in files DHM set 10/29/24	11/19/2024