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

Form C-103
August 1, 2011

Permit 378795

WELL API NUMBER
30-015-54387

5. Indicate Type of Lease
Private

6. State Oil & Gas Lease No.

## 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.)

7. Lease Name or Unit Agreement Name
BAFFIN

1. Type of Well:
Oil

8. Well Number
070H

2. Name of Operator
RILEY PERMIAN OPERATING COMPANY, LLC

9. OGRID Number
372290

3. Address of Operator
29 E Reno Avenue Suite 500, Oklahoma City, OK 73104

10. Pool name or Wildcat

4. Well Location
Unit Letter I : 2405 feet from the S line and feet 640 from the E line
Section 13 Township 18S Range 26E NMPM County Eddy

11. Elevation (Show whether DR, KB, BT, GR, etc.)
3293 GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit Type _____ Depth to Groundwater_____ Distance from nearest fresh water well_____ Distance from nearest surface water_____

Pit Liner Thickness:_____ mil Below-Grade Tank: Volume_____ bbls; Construction Material_____

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

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ | REMEDIAL WORK | ☐ | ALTER CASING | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE OF PLANS | ☐ | COMMENCE DRILLING OPNS. | ☐ | PLUG AND ABANDON | ☐ |
| PULL OR ALTER CASING | ☐ | MULTIPLE COMPL | ☐ | CASING/CEMENT JOB | ☐ | | |
| Other: | | | | Other: **Drilling/Cement** | | | ☒ |

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.
Operator: Riley Permian Operating Co. Rig Name and Number: Akita 523 Day & Night Company Man Name: RICHARD MCKAY 575-631-3490, COSME VELASQUEZ 806-323-2758 Well Name and Number: BAFFIN 70H US Well Number / API#: 30-015-54387 Notification Type: RUN & CEMENT PRODUCTION CASING. Additional Notes: RUN PRODUCTION CSG APPROX 11:00 HRS 12/8/2024. CEMENT APPROX 01:00 HRS 12/9/2024 Notification Type; RUN & CEMENT SURFACE CASING/CEMENT Additional Notes: RUN CASING APPROX 06:30 HRS 11/26/2024, CEMENT APPROX 08:30 HRS 11/26/2024
See Attached
**11/25/2024** Spudded well.

**Casing and Cement Program**

| Date | String | Fluid Type | Hole Size | Csg Size | Weight lb/ft | Grade | Est TOC | Dpth Set | Sacks | Yield | Class | 1" Dpth | Pres Held | Pres Drop | Open Hole |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/26/24 | Surf | FreshWater | 17.5 | 9.625 | 36 | J55 | 0 | 1256 | 1265 | 1.33 | C | | 1100 | 0 | N |
| 12/08/24 | Prod | Mud | 8.75 | 7 | 32 | L80 | 0 | 4034 | 195 | 2.28 | C | | 1100 | 0 | N |
| 12/09/24 | Prod | Mud | 8.5 | 5.5 | 20 | L80 | 2435 | 9389 | 1640 | 1.3 | C | | 1500 | 0 | N |

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

| | | | | | |
|---|---|---|---|---|---|
| SIGNATURE | Electronically Signed | TITLE | EHSR | DATE | 5/29/2025 |
| Type or print name | Spence Laird | E-mail address | spencelaird@rileypermian.com | Telephone No. | 405-543-1411 |

**For State Use Only:**

| | | | | | |
|---|---|---|---|---|---|
| APPROVED BY: | Keith Dziokonski | TITLE | Petroleum Specialist A | DATE | 6/6/2025 10:58:34 AM |

# RADIAL CEMENT BOND GAMMA RAY / CCL LOG

Company RILEY PERMIAN OPERATING CO, LLC
Well BAFFIN 70H
Field RED LAKE; GLORIETA-YESO
County EDDY
State NEW MEXICO

Company RILEY PERMIAN OPERATING CO, LLC
Well BAFFIN 70H
Field RED LAKE; GLORIETA-YESO
County EDDY State NEW MEXICO
Location: API # : 30-015-54387
2405' FSL 640' FEL
I-13-18S-26E
NMP SURVEY

Other Services
NONE

| | | | |
|---|---|---|---|
| Permanent Datum | GROUND LEVEL | Elevation | 3293' |
| Log Measured From | 20' ABOVE PERM DATUM | | |
| Drilling Measured From | KELLY BUSHING | | |

Elevation
K.B. 3313'
D.F. 3312'
G.L. 3293'

| | |
|---|---|
| Date | 19-DEC-2024 |
| Run Number | ONE |
| Depth Driller | NA |
| Depth Logger | 4060' |
| Bottom Logged Interval | 4055' |
| Top Log Interval | SURFACE |
| Open Hole Size | NA |
| Type Fluid | WATER |
| Density / Viscosity | NA |
| Max. Recorded Temp. | NA |
| Estimated Cement Top | SEE LOG |
| Time Well Ready | 14:20 |
| Time Logger on Bottom | 15:05 |
| Equipment Number | 200133 |
| Location | ODESSA, TX |
| Recorded By | B. VINCENT |
| Witnessed By | K. HULEN |

Borehole Record

| Run Number | Bit | From | To |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Tubing Record

| Run Number | Size | From | To |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Casing Record

| | Size | Wgt/Ft | Top | Bottom |
|---|---|---|---|---|
| Surface String | 9.625" | 36# | SURFACE | 1250' |
| Production String | 7" | 32# | SURFACE | 4033' |
| Liner | 5.5" | 20# | 4033 | 9389' |

<<< Fold Here >>>



## Comments

CORRELATED TO THE LINER TOP @ 4033 FT PER CUSTOMER REQUEST

CORRECTED +8 FEET

THANK YOU FOR CHOOSING NEXTIER OILFIELD SOLUTIONS

MAIN SECTION "1000 PSI"

| | |
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| Database File | riley_baffin_70h_rcbl.db |
| Dataset Pathname | pass12 |
| Presentation Format | scbl5_5n |
| Dataset Creation | Thu Dec 19 16:12:45 2024 |
| Charted by | Depth in Feet scaled 1:240 |

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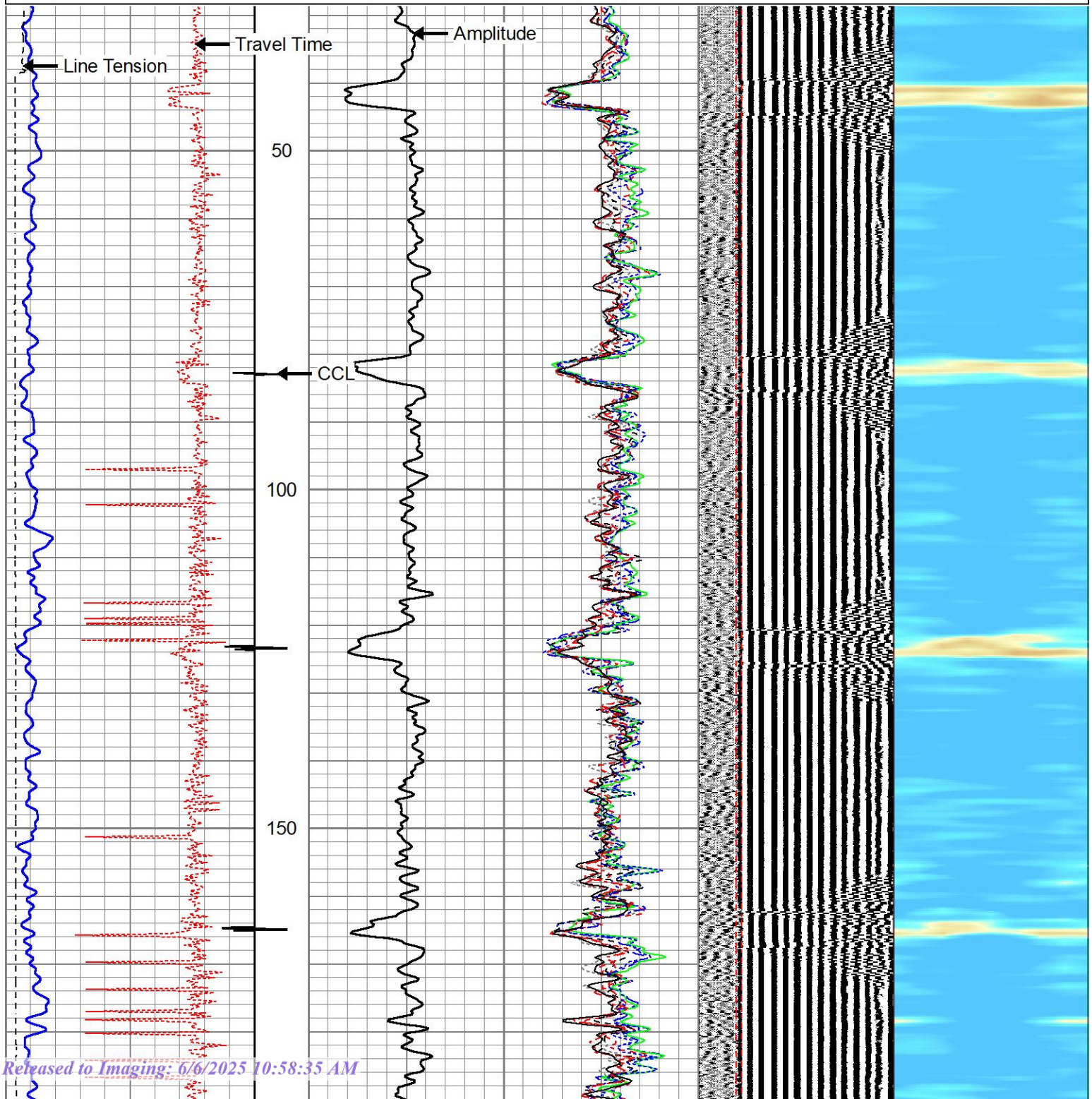
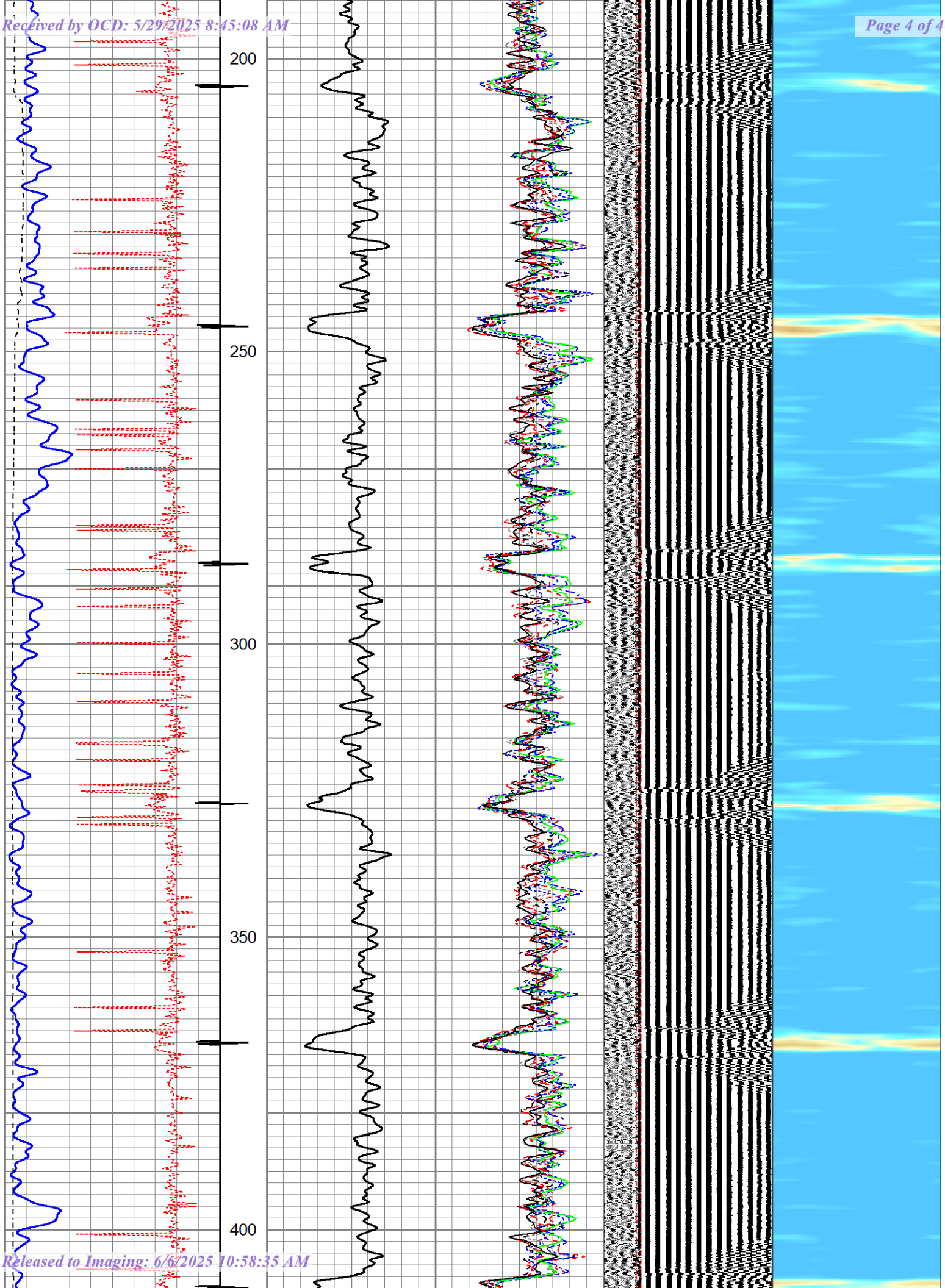
| 380 | Travel Time (usec) | 260 | 0 | Amplitude (mV) | 100 | -5 | AMPS8 | 150 | 200 | VDL (usec) | 1200 |
| 0 | Gamma Ray (GAPI) | 150 | | Amplified Amplitude | | -5 | AMPS7 | 150 | | | |
| 0 | Line Tension (lb) | 4000 | 0 | (mV) | 10 | -5 | AMPS6 | 150 | | | |
| | | | | | | -5 | AMPS5 | 150 | | | |
| | | | | | | -5 | AMPS4 | 150 | | | |
| | | | | | | -5 | AMPS3 | 150 | | | |
| | | | | | | -5 | AMPS2 | 150 | | | |
| | | | | | | -5 | AMPS1 | 150 | | | |

CCL

Cement Map

Free Pipe Gate

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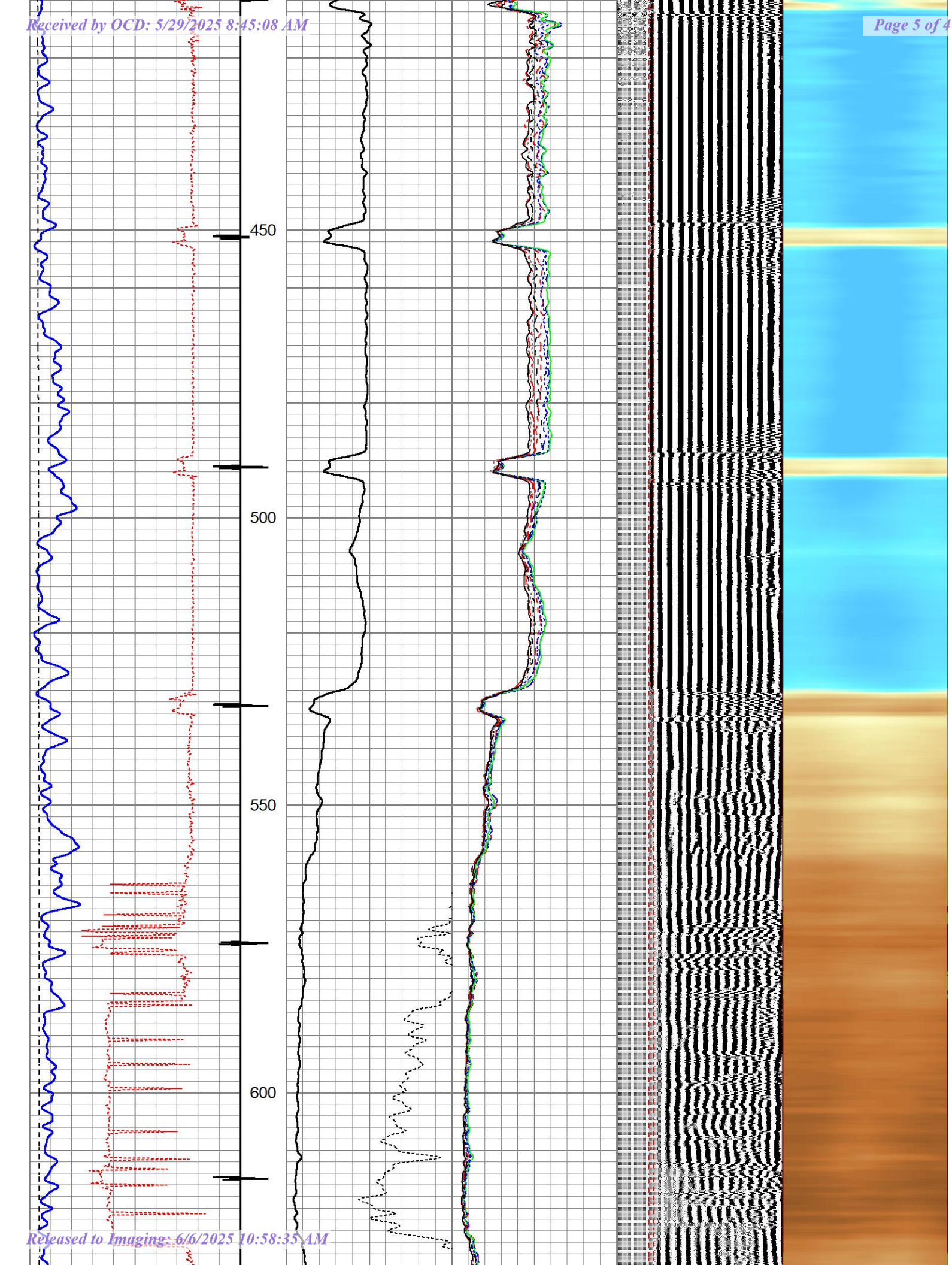
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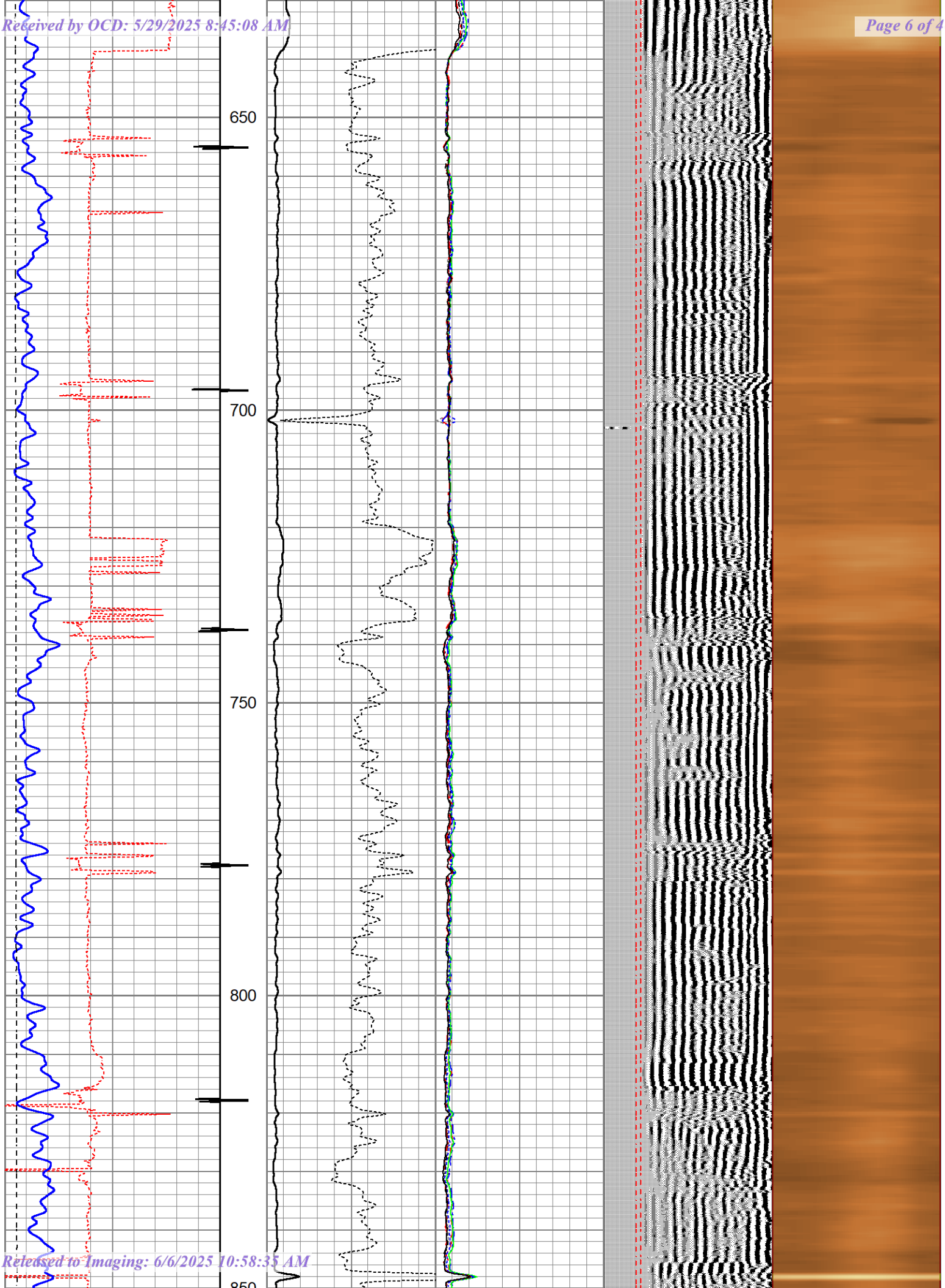
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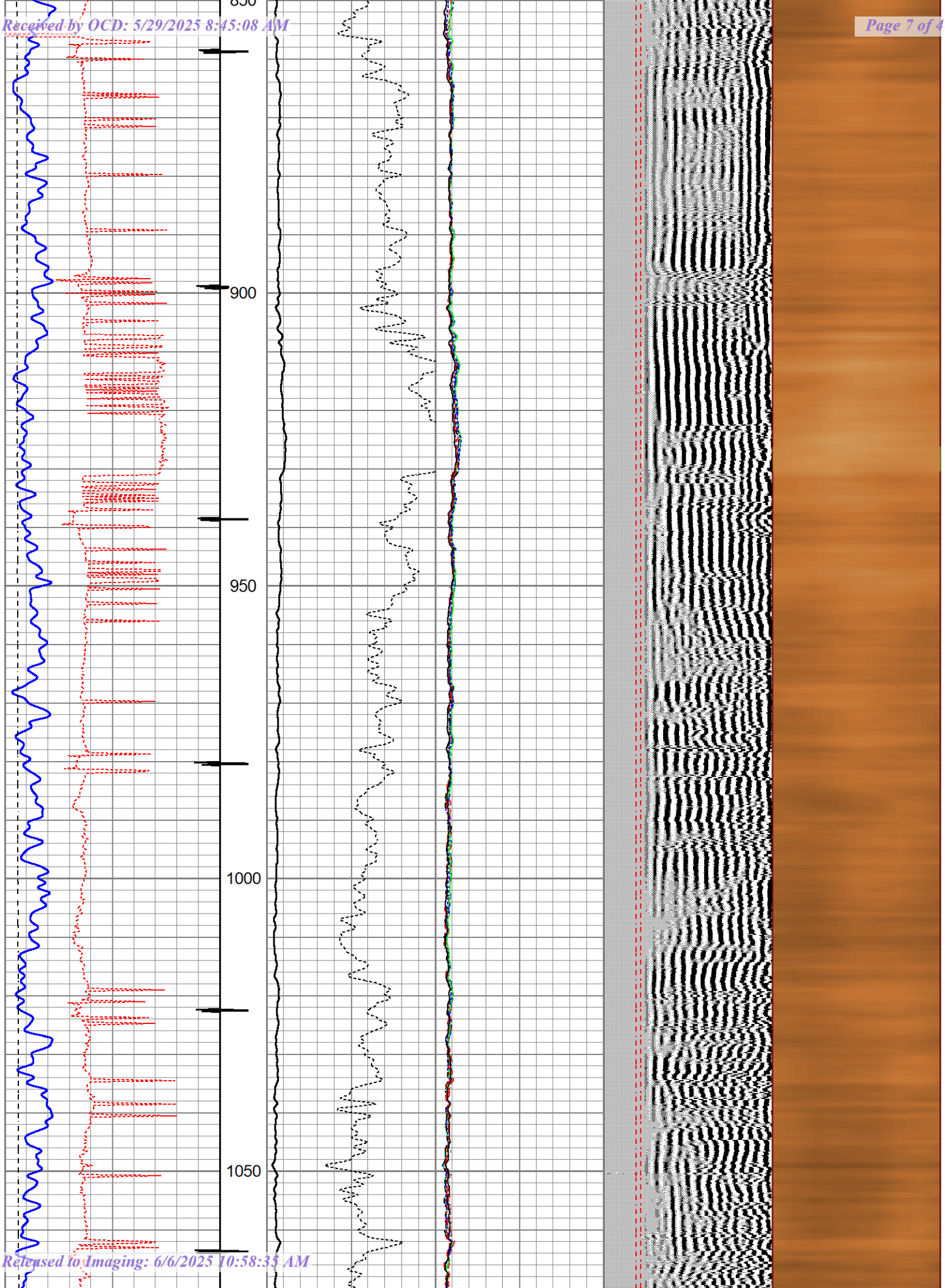

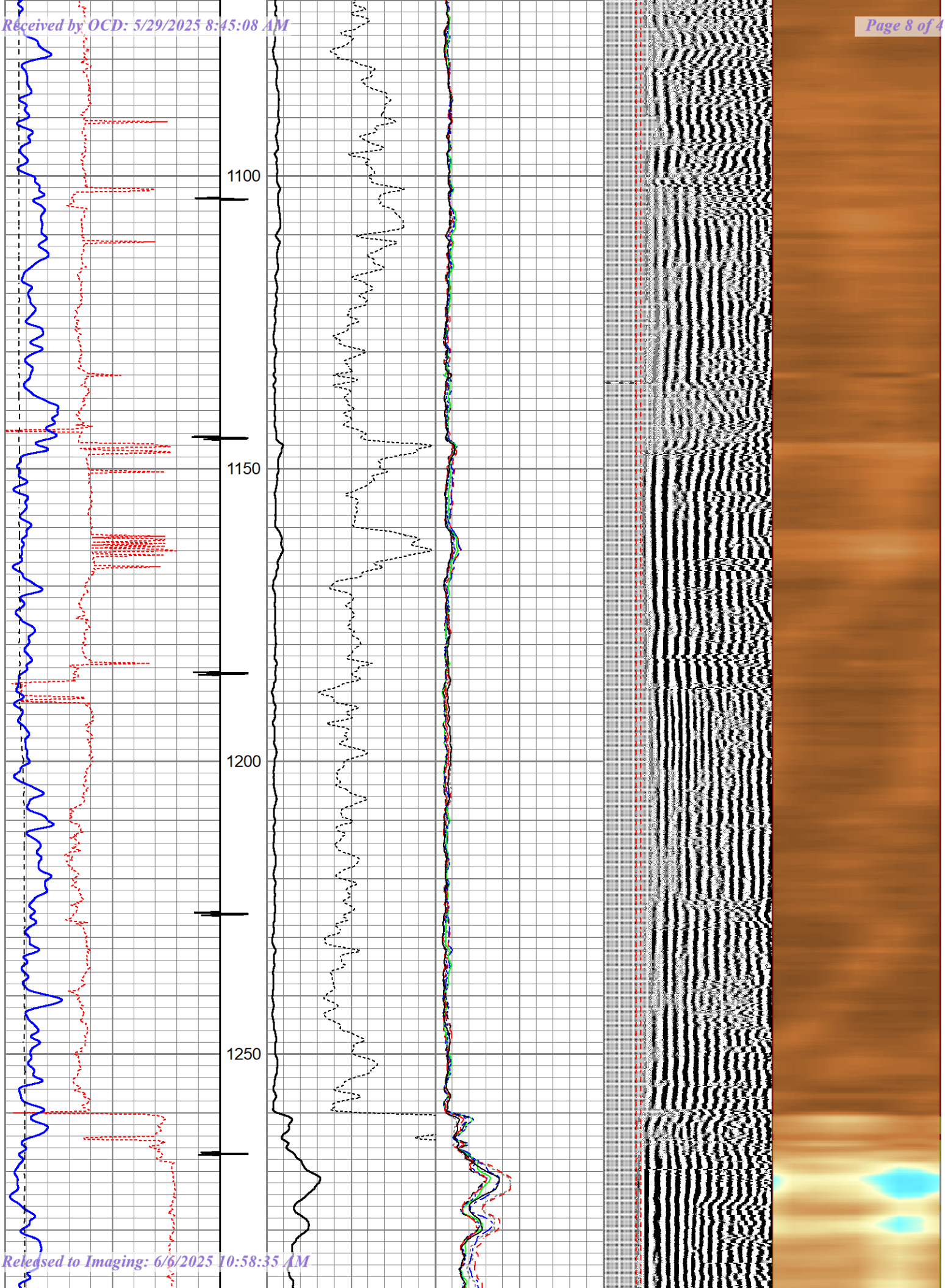
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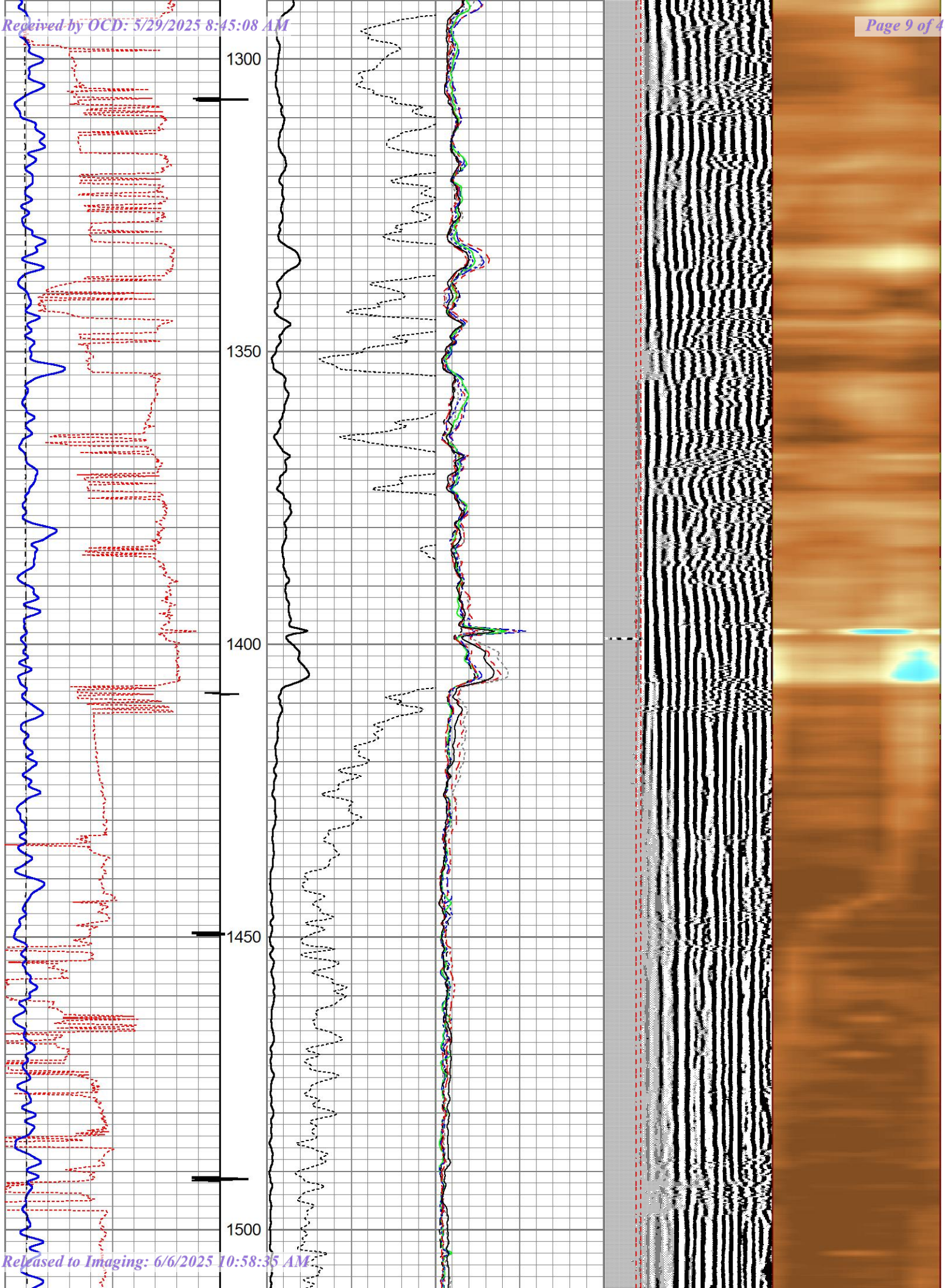
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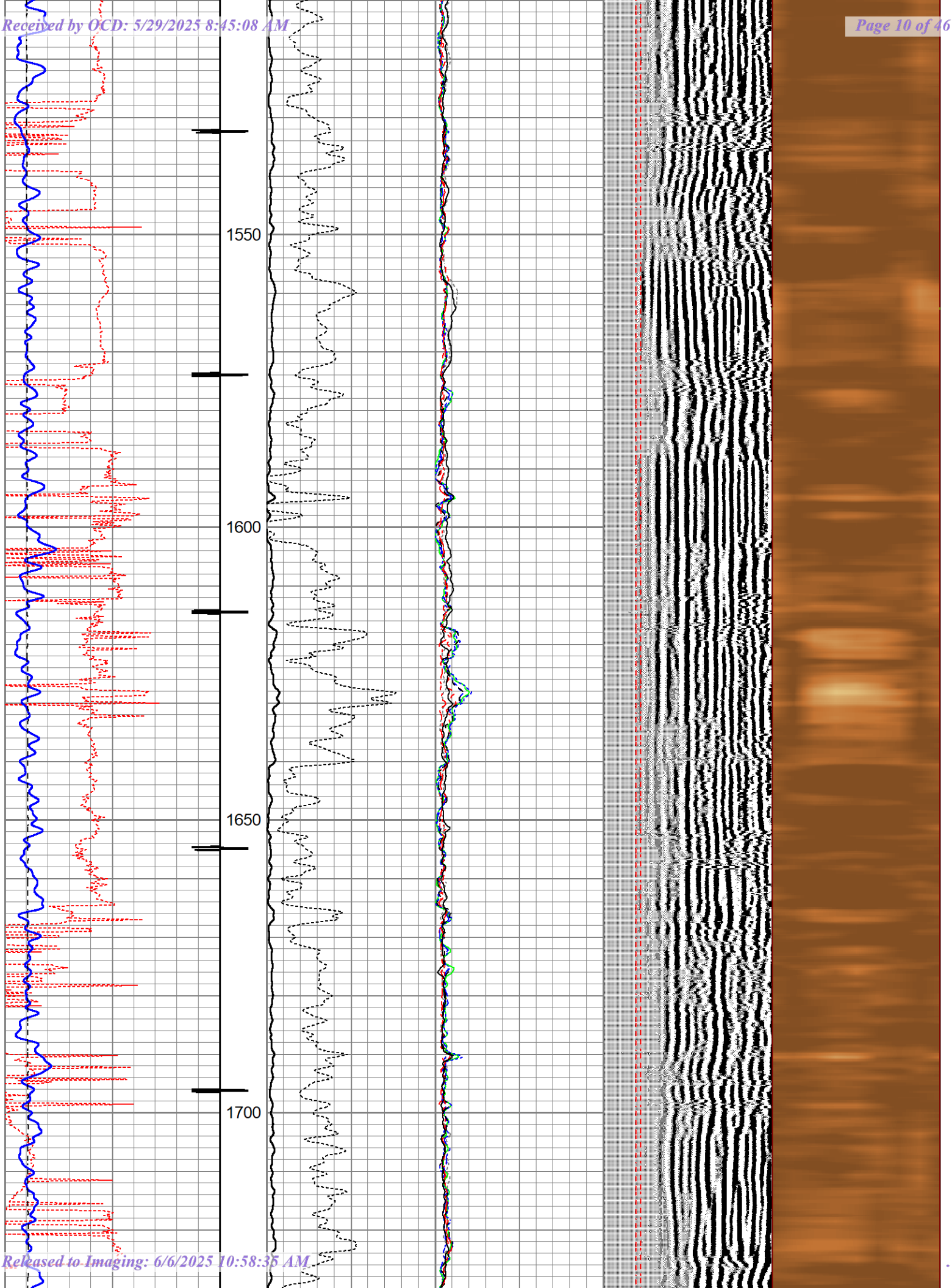
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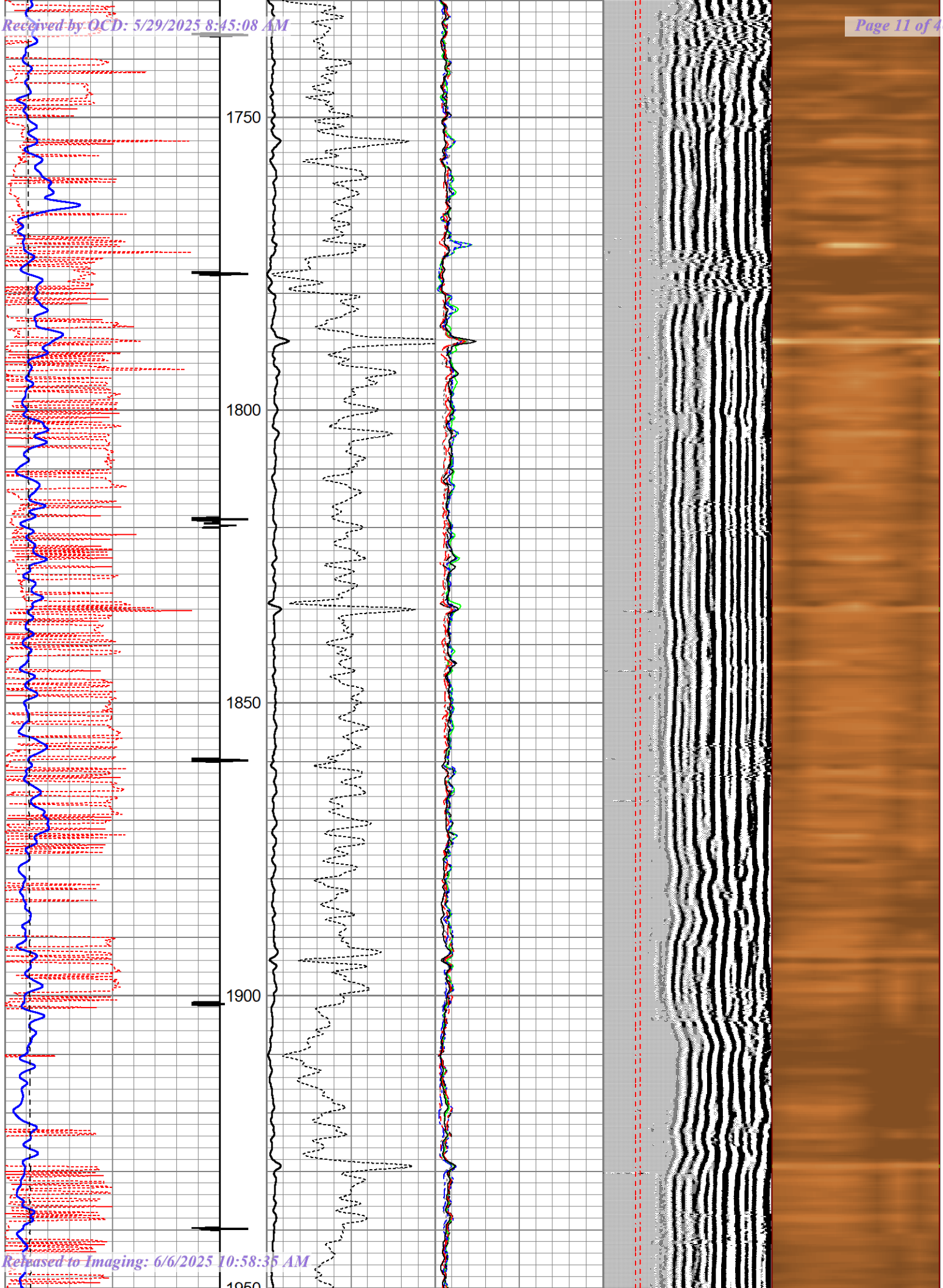

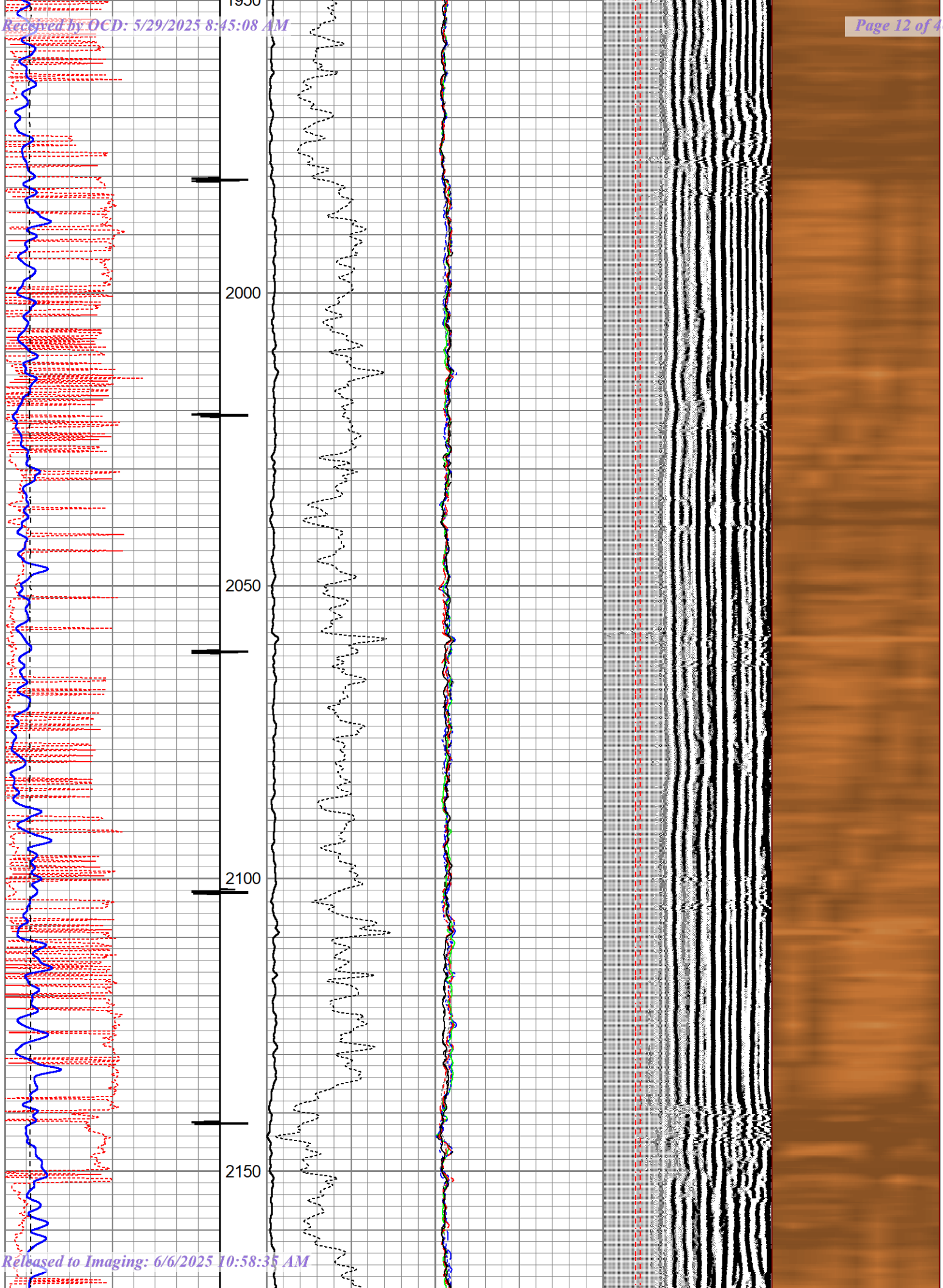
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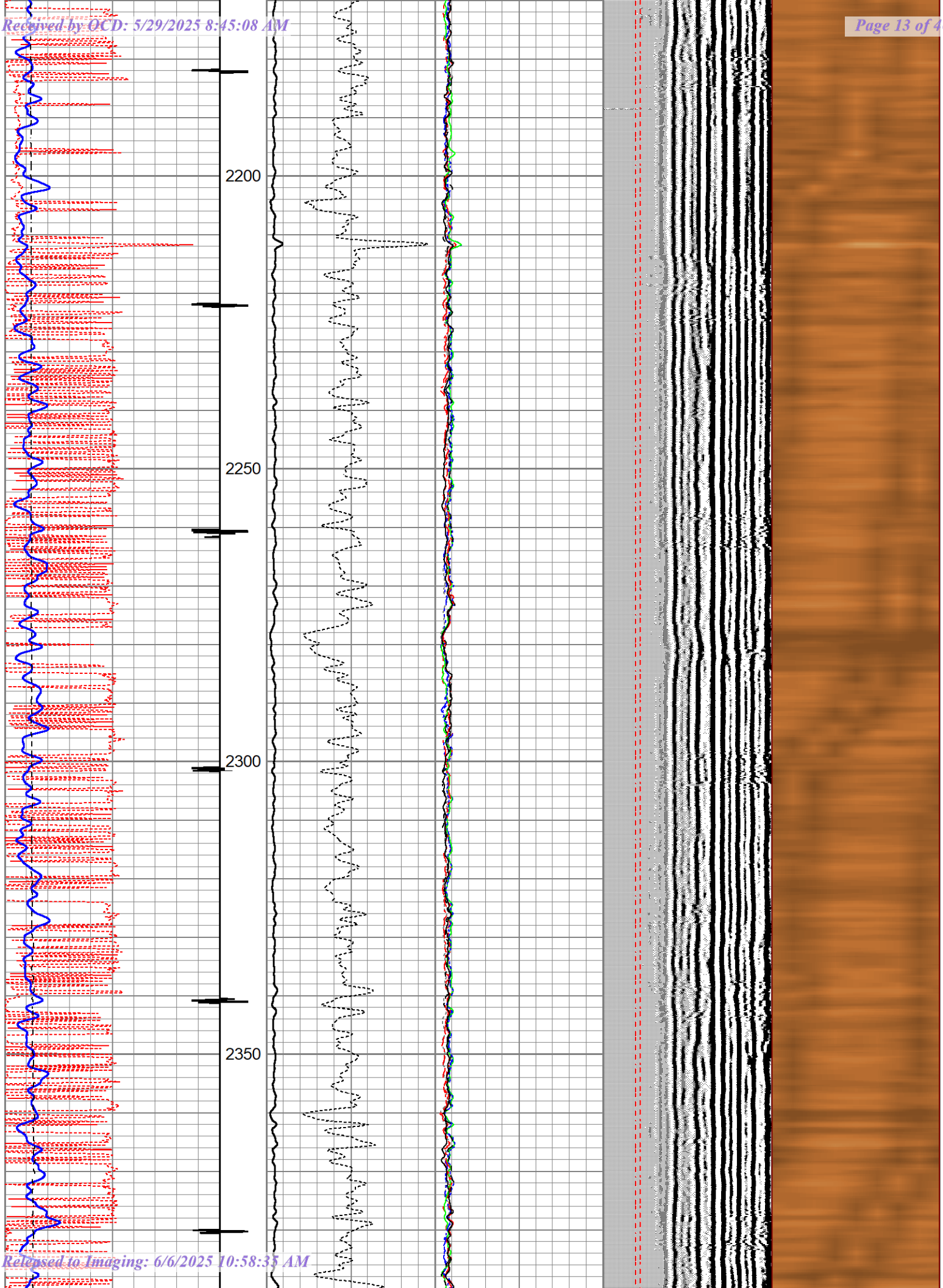

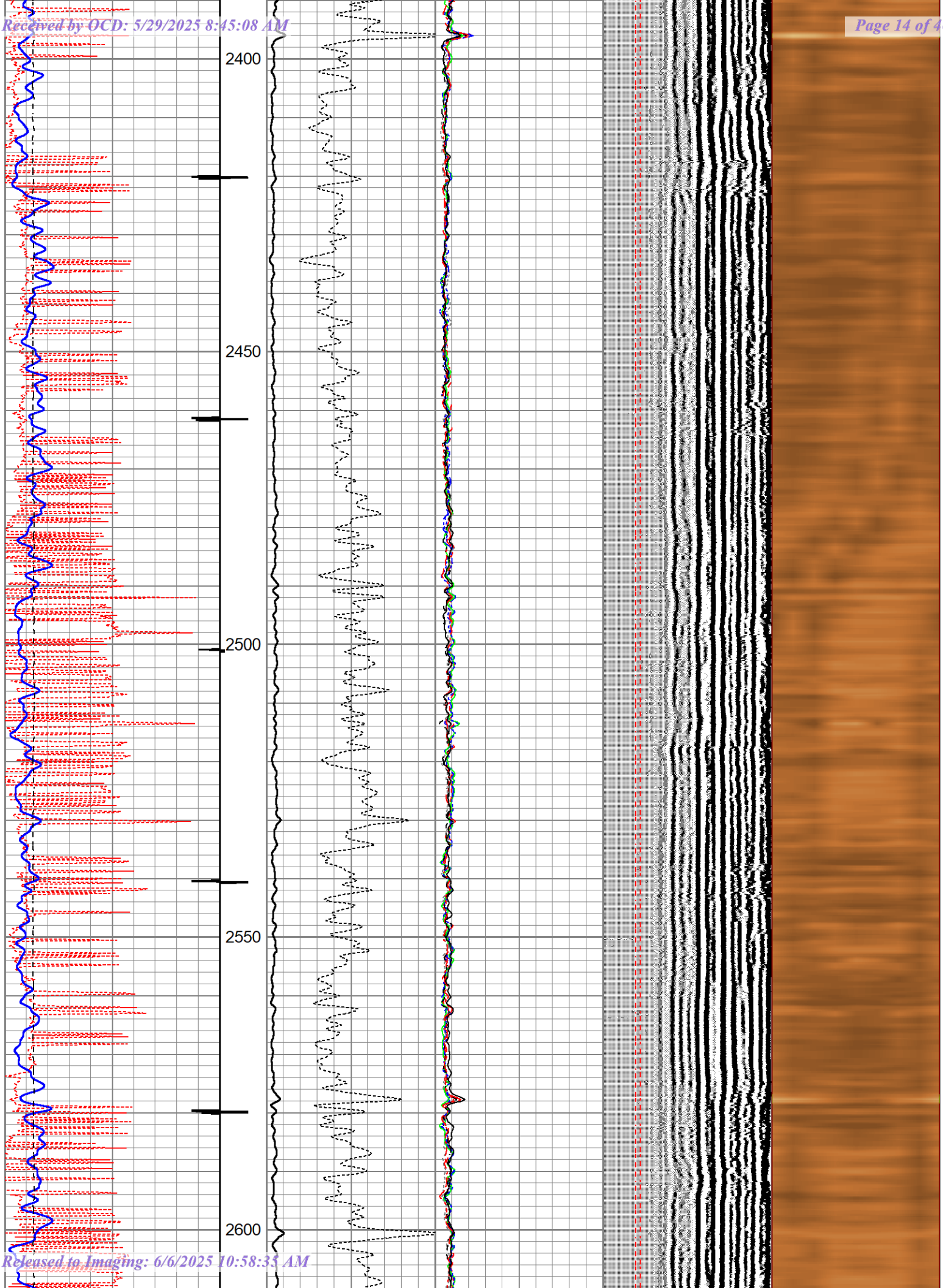

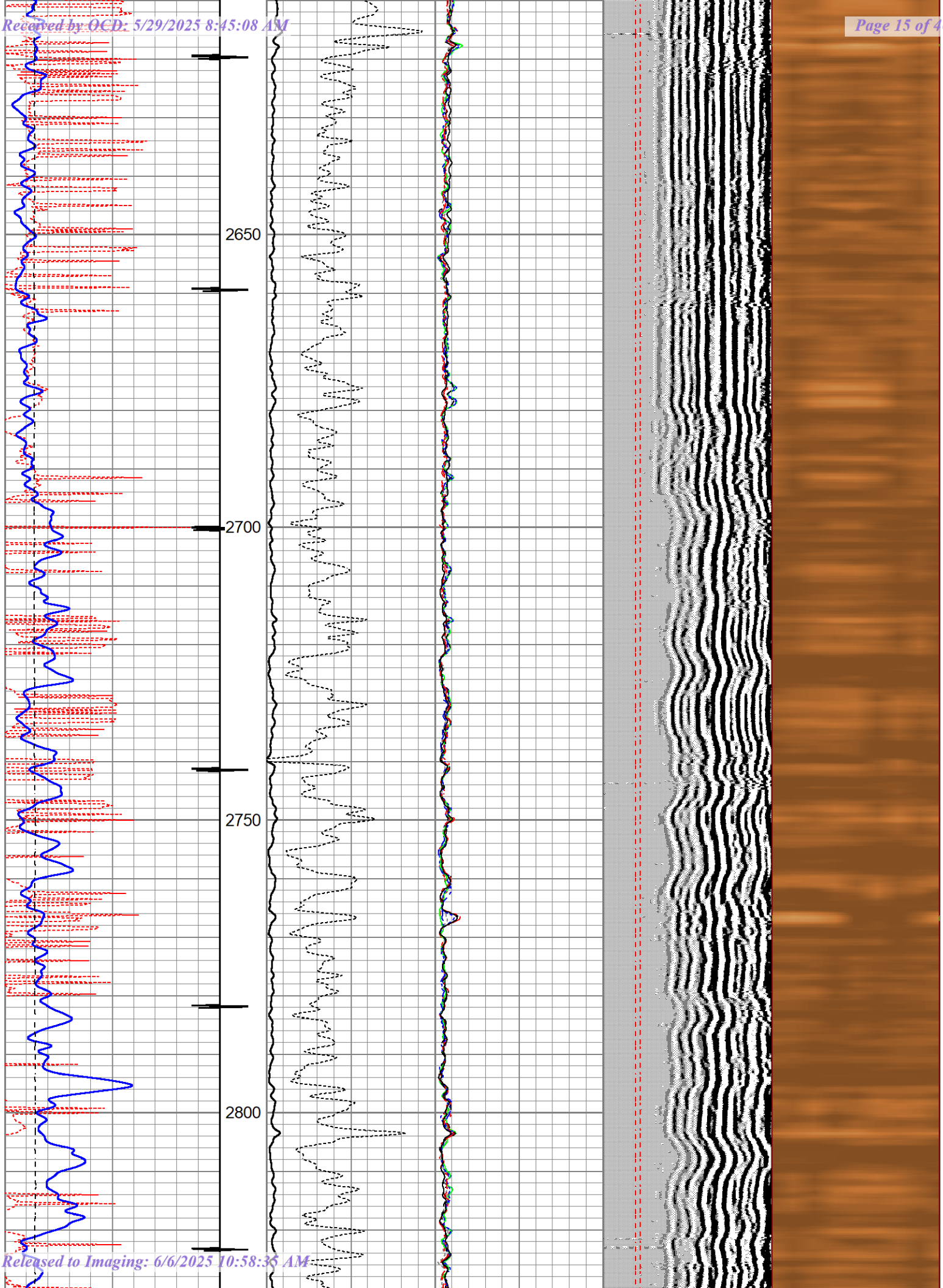
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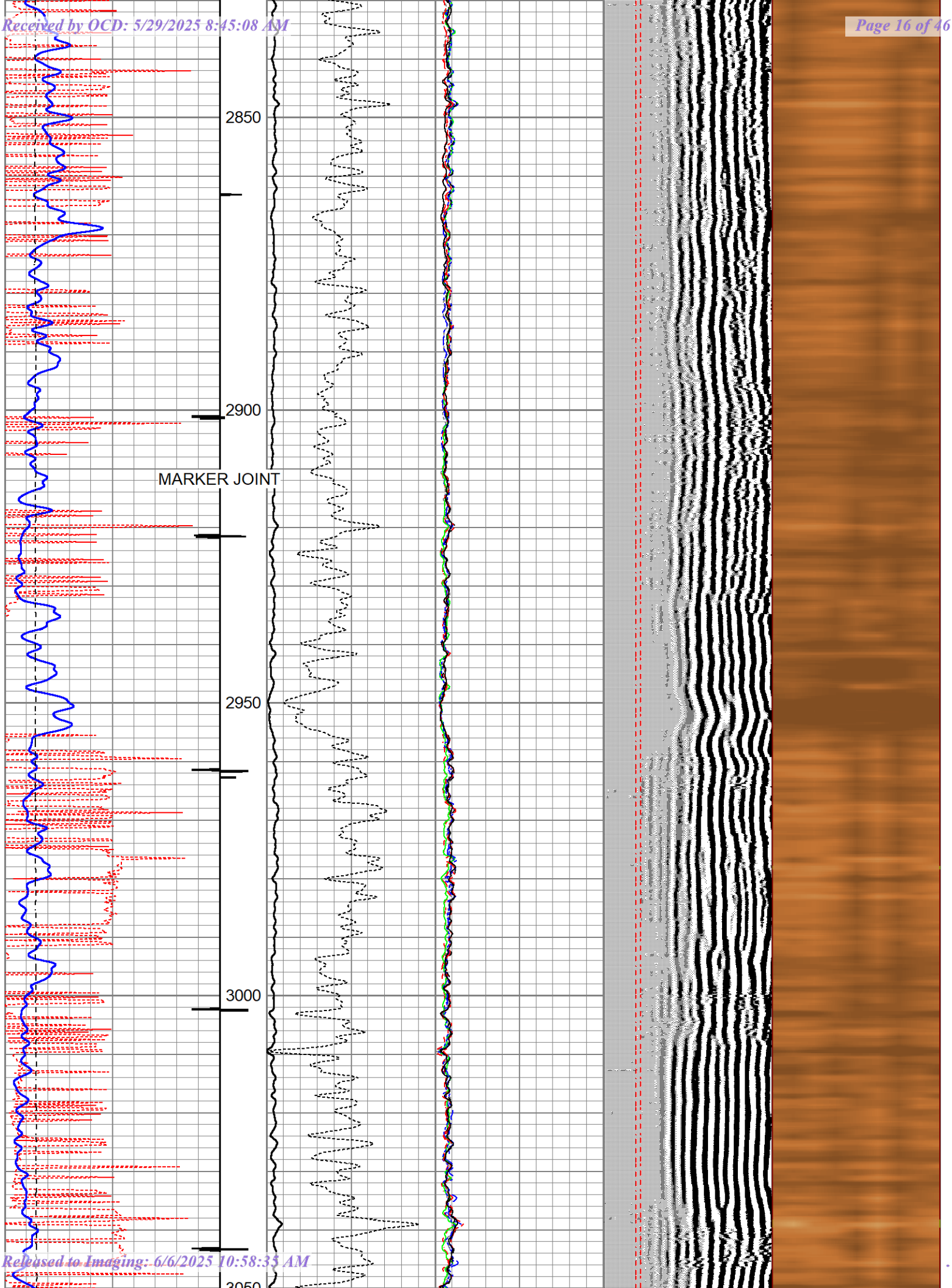

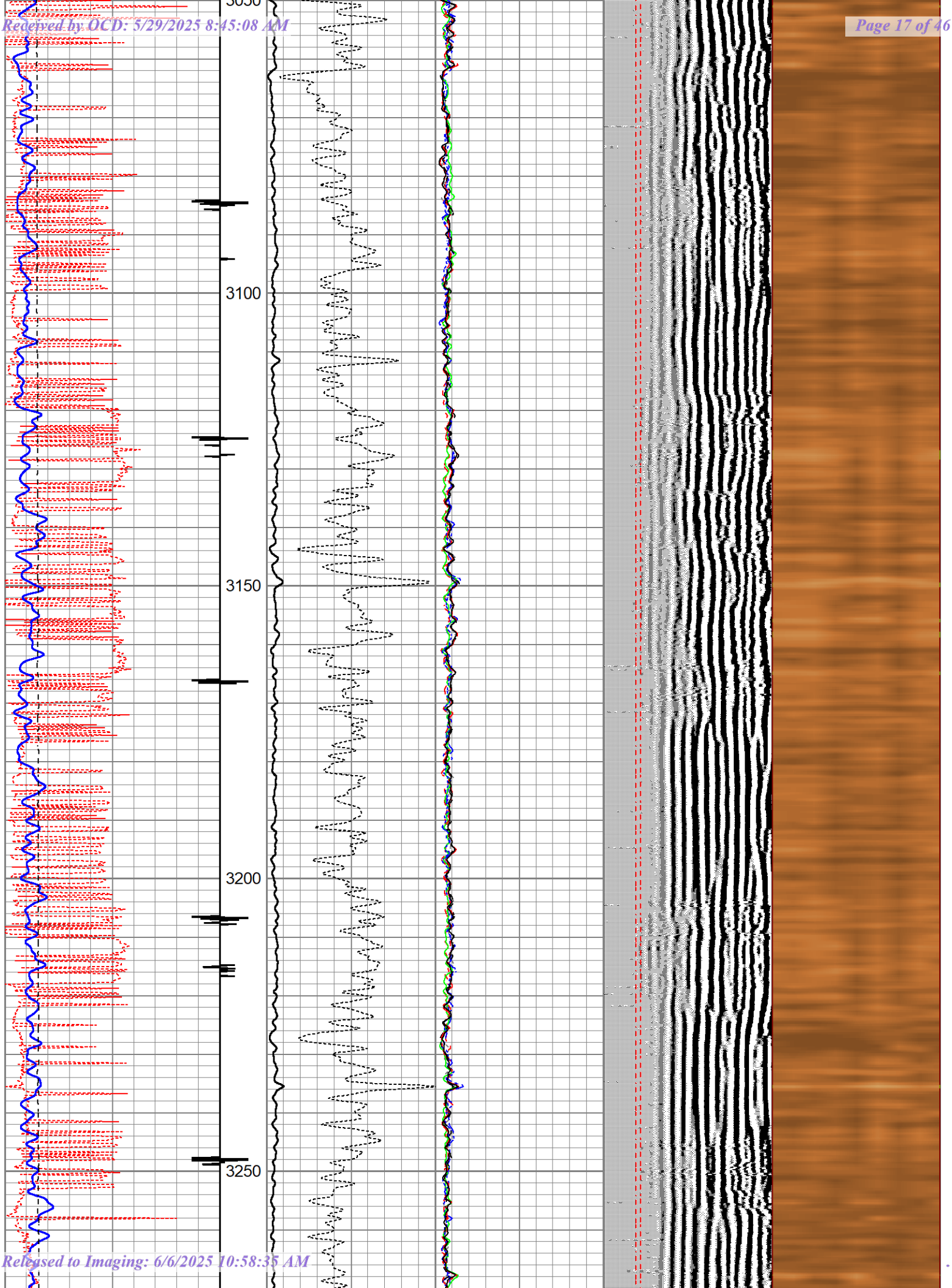
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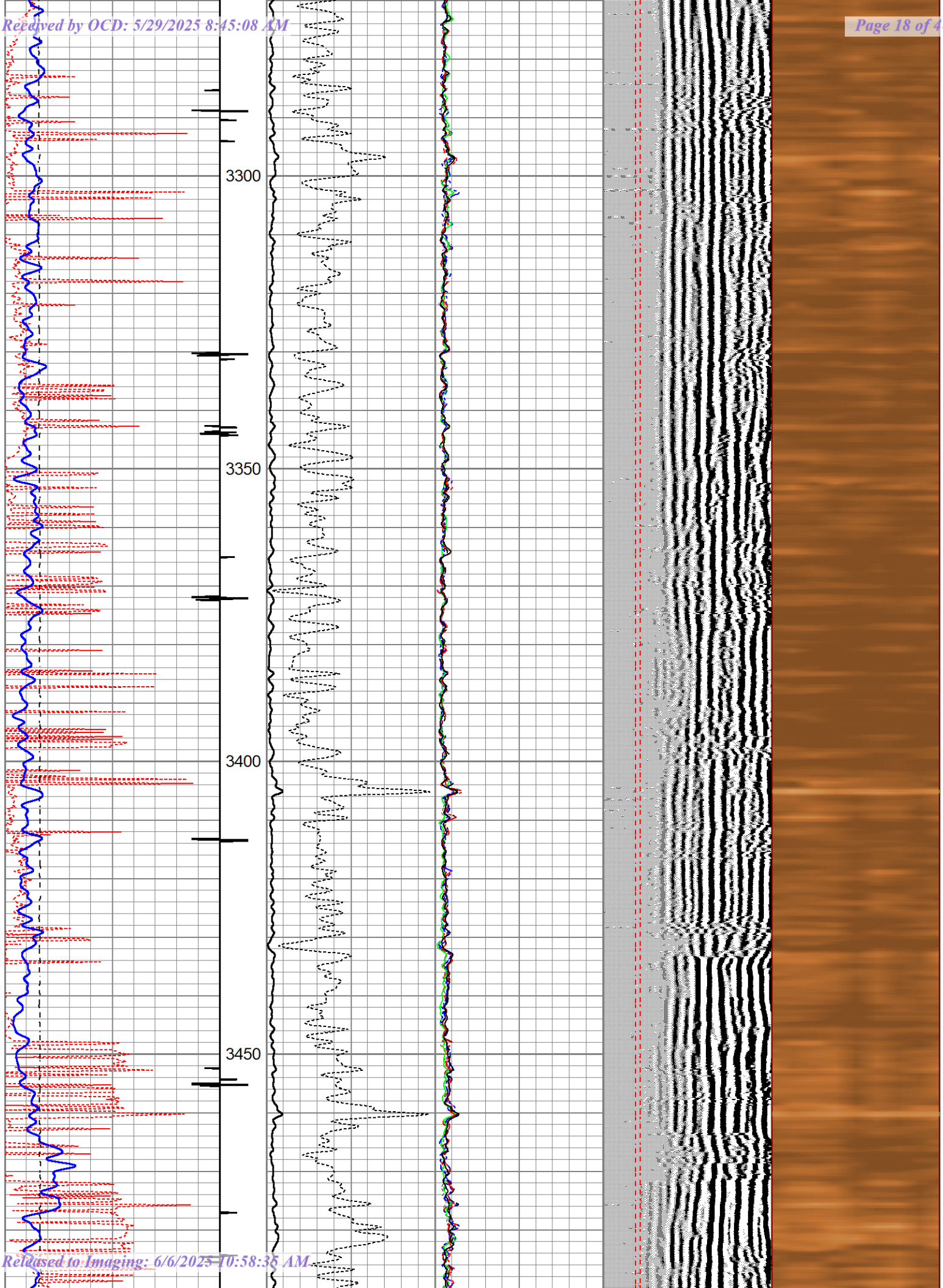
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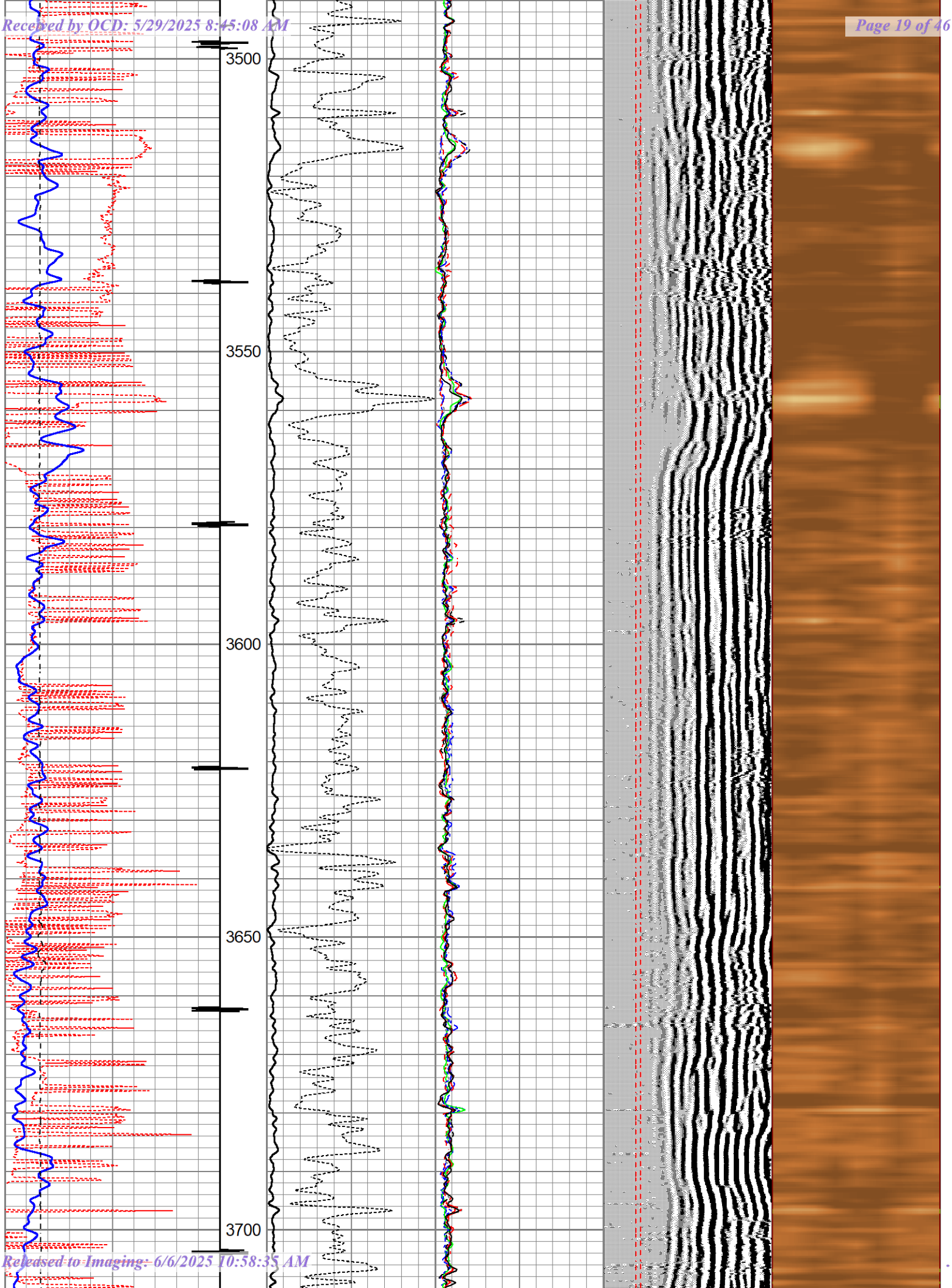

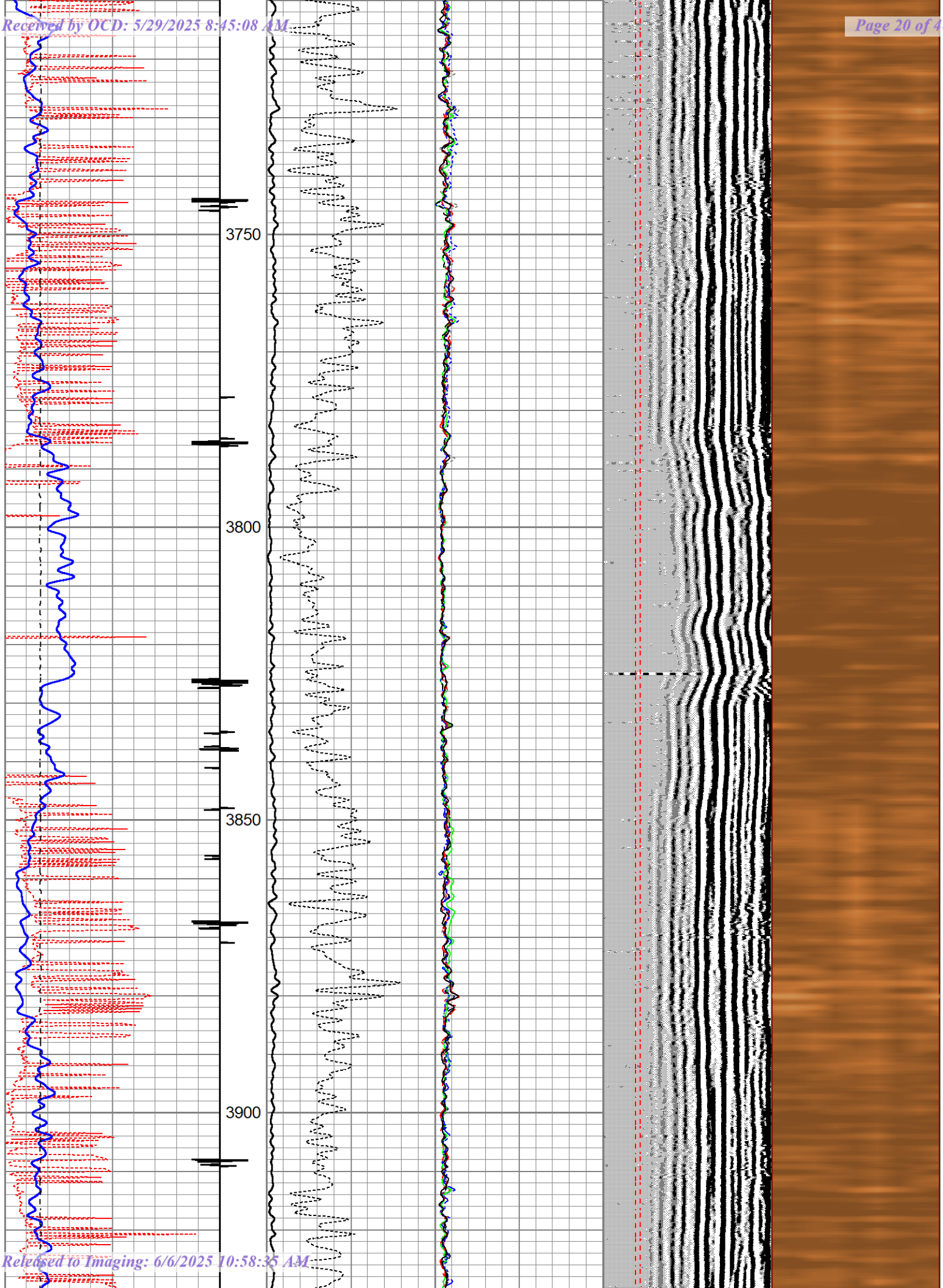
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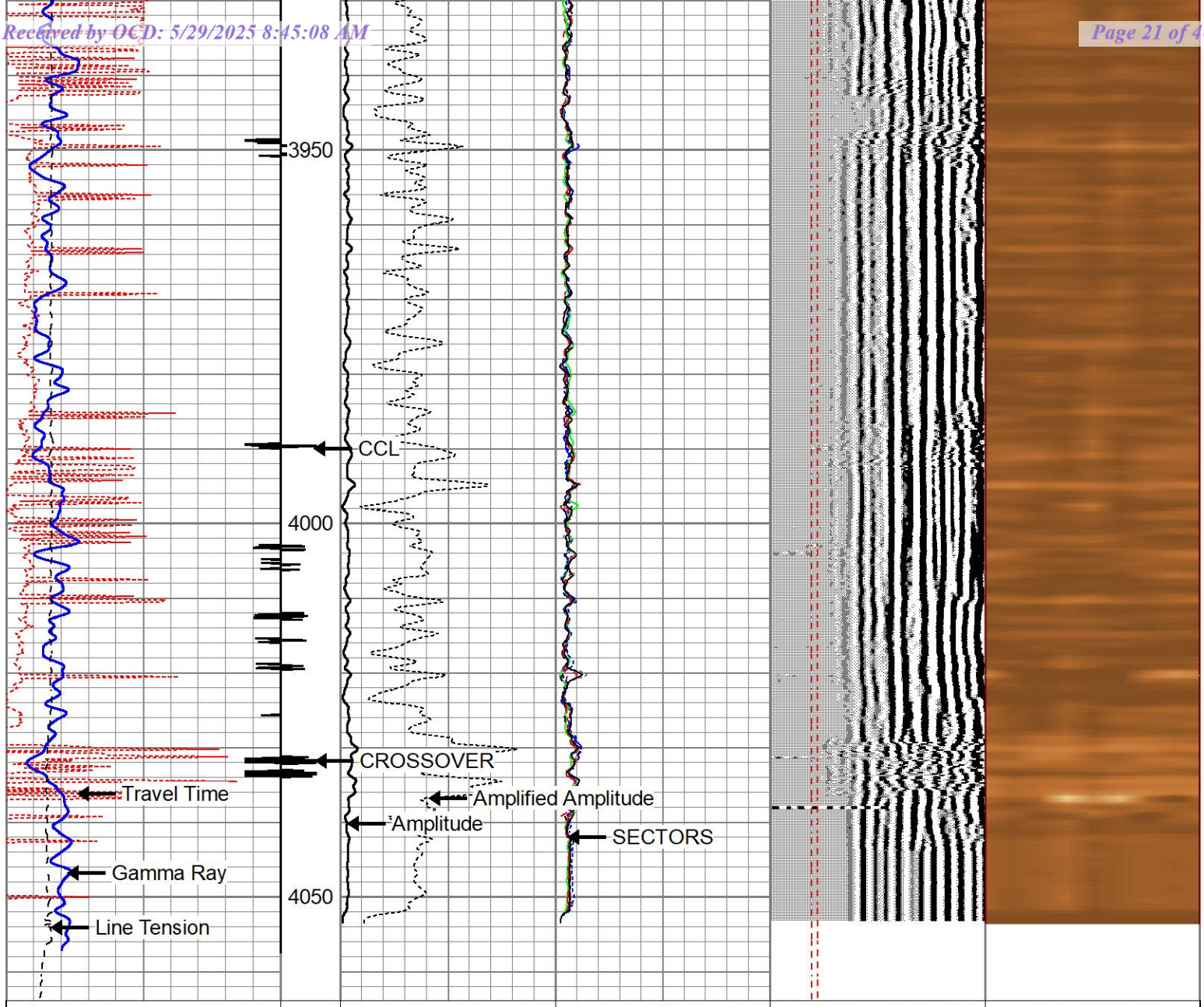


NEXTIER

MAIN SECTION "1000 PSI"

NEXTIER

MAIN SECTION "0 PSI"

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| Dataset Pathname | pass10 |
| Presentation Format | scbl5_5n |
| Dataset Creation | Thu Dec 19 15:05:51 2024 |
| Charted by | Depth in Feet scaled 1:240 |

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|---|---|---|---|---|---|---|---|---|---|
| 380 | Travel Time (usec) | 260 | 0 | Amplitude (mV) | 100 | -5 | AMPS8 | 150 | 200 VDL (usec) 1200 Cement Map |
| 0 | Gamma Ray (GAPI) | 150 | | Amplified Amplitude | | -5 | AMPS7 | 150 | |
| 0 | Line Tension (lb) | 4000 | 0 | (mV) | 10 | -5 | AMPS6 | 150 | Free Pipe Gate |
| | CCL | | | | | -5 | AMPS5 | 150 | |
| | | | | | | -5 | AMPS4 | 150 | |
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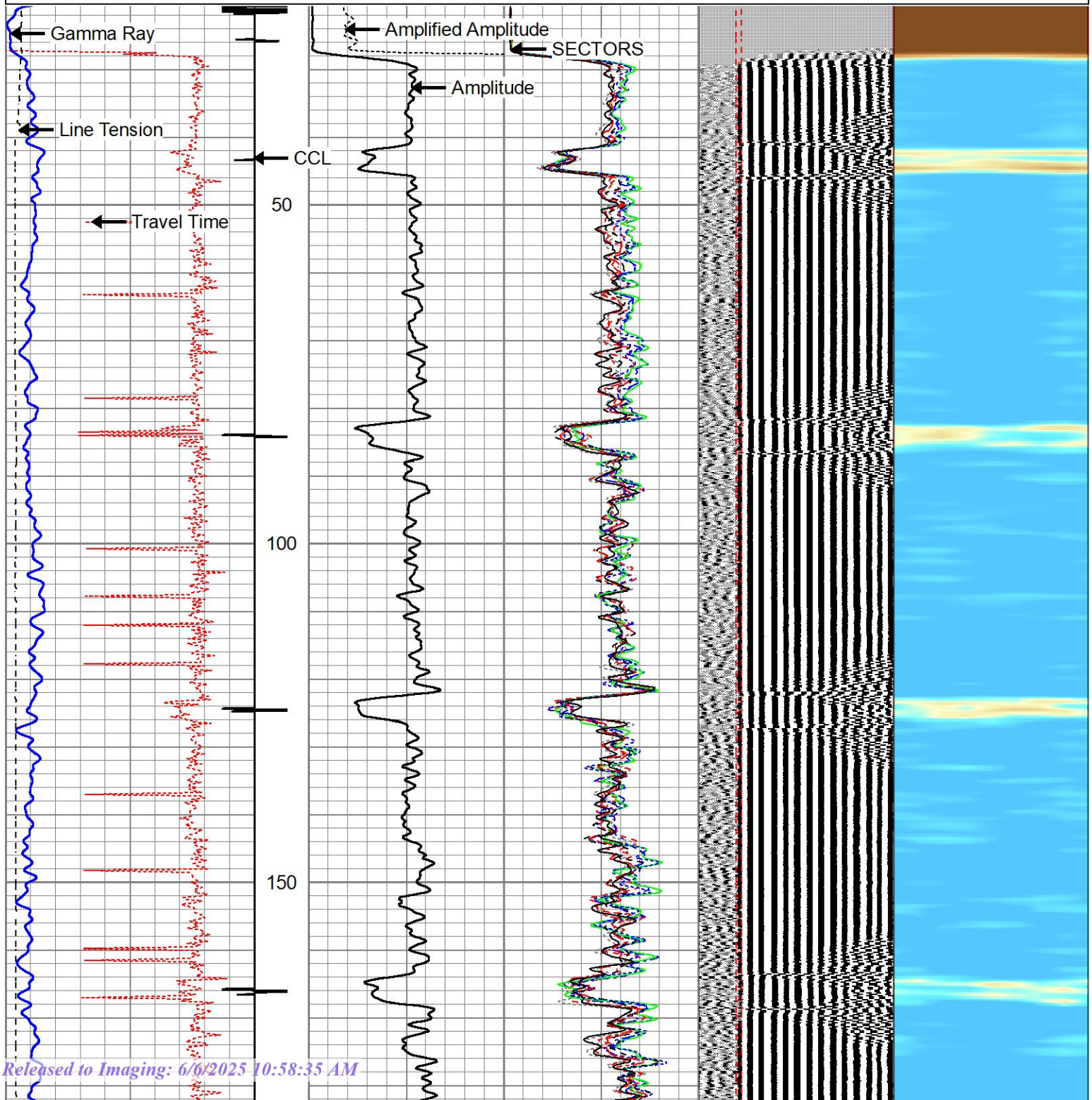

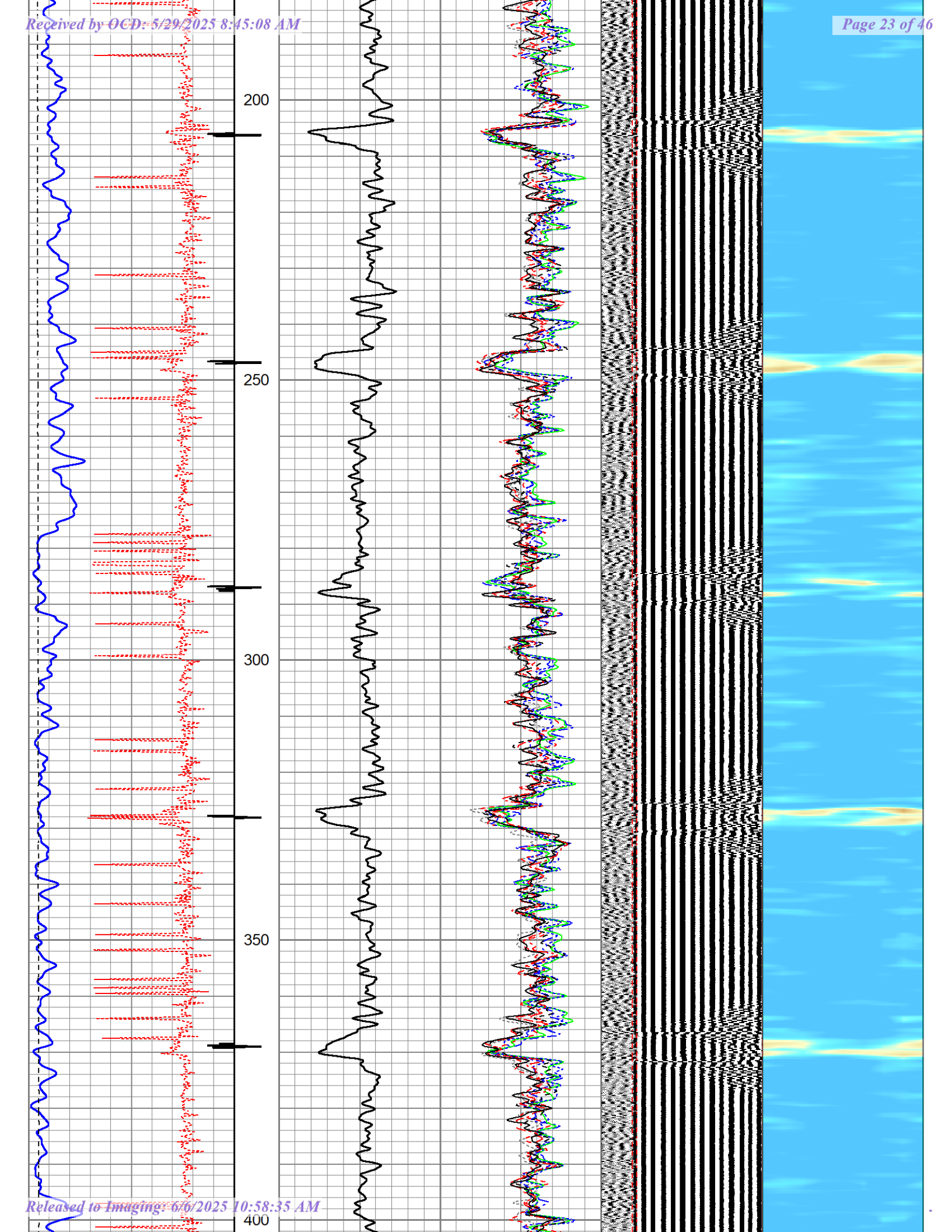
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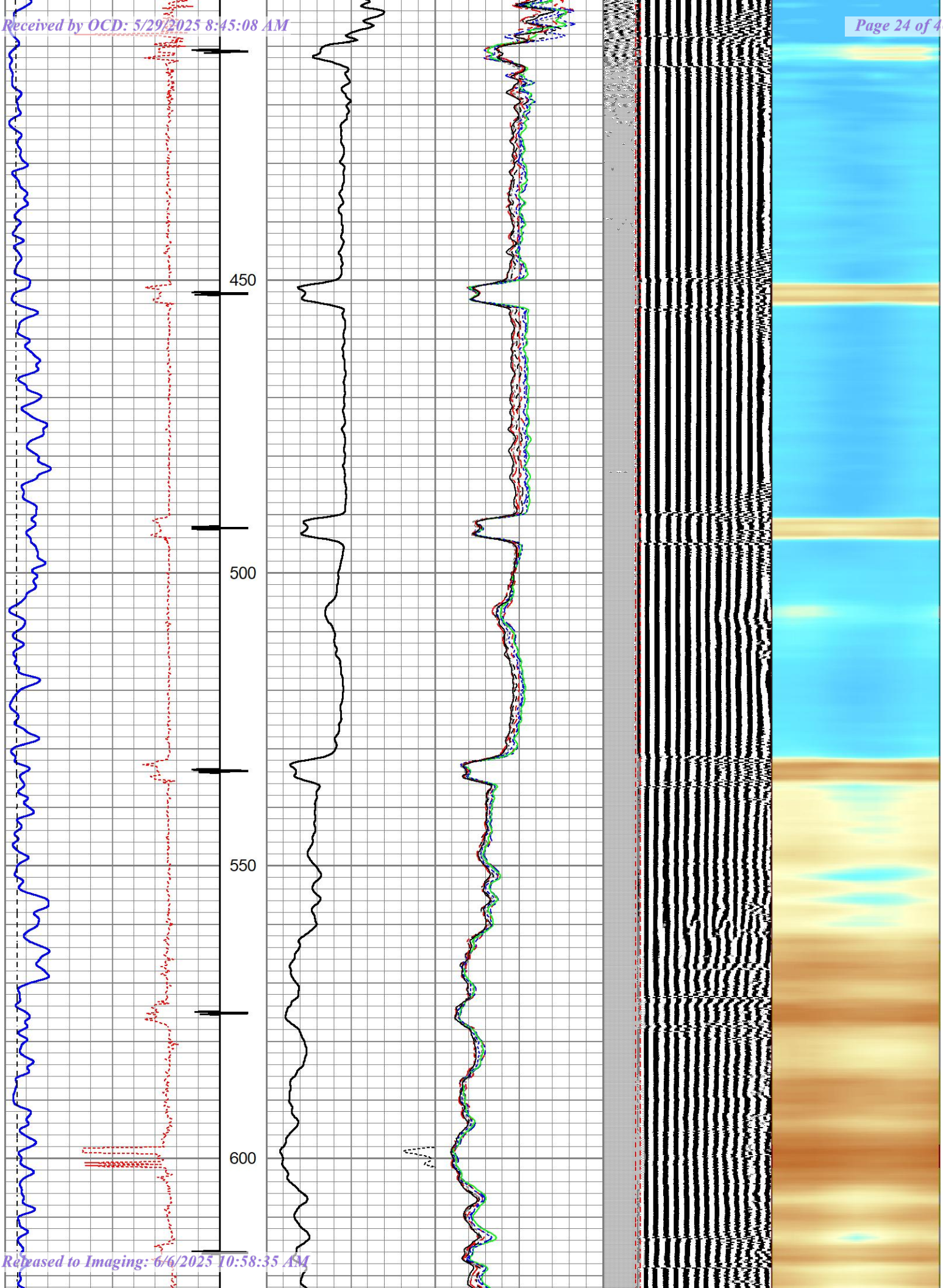
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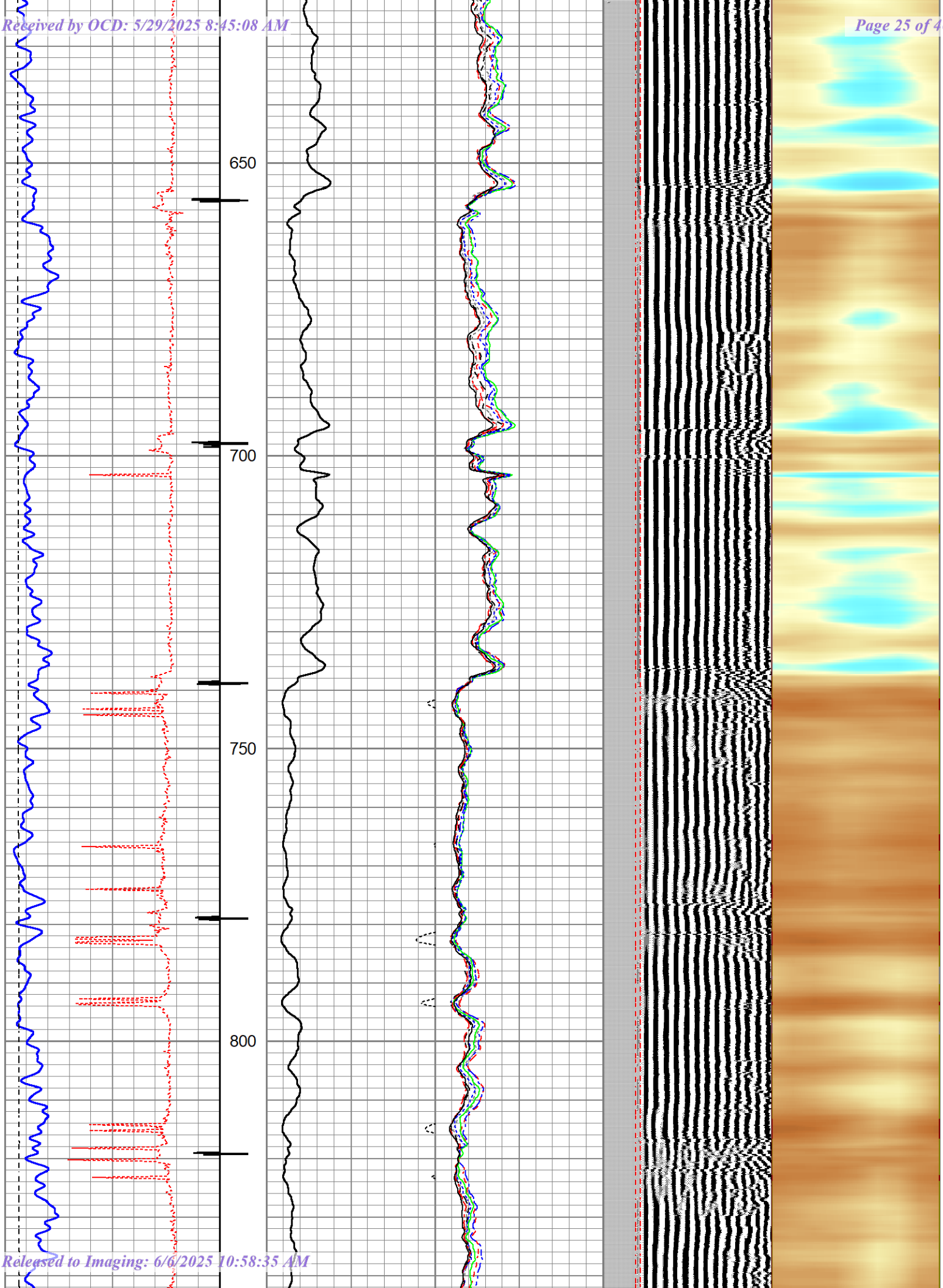
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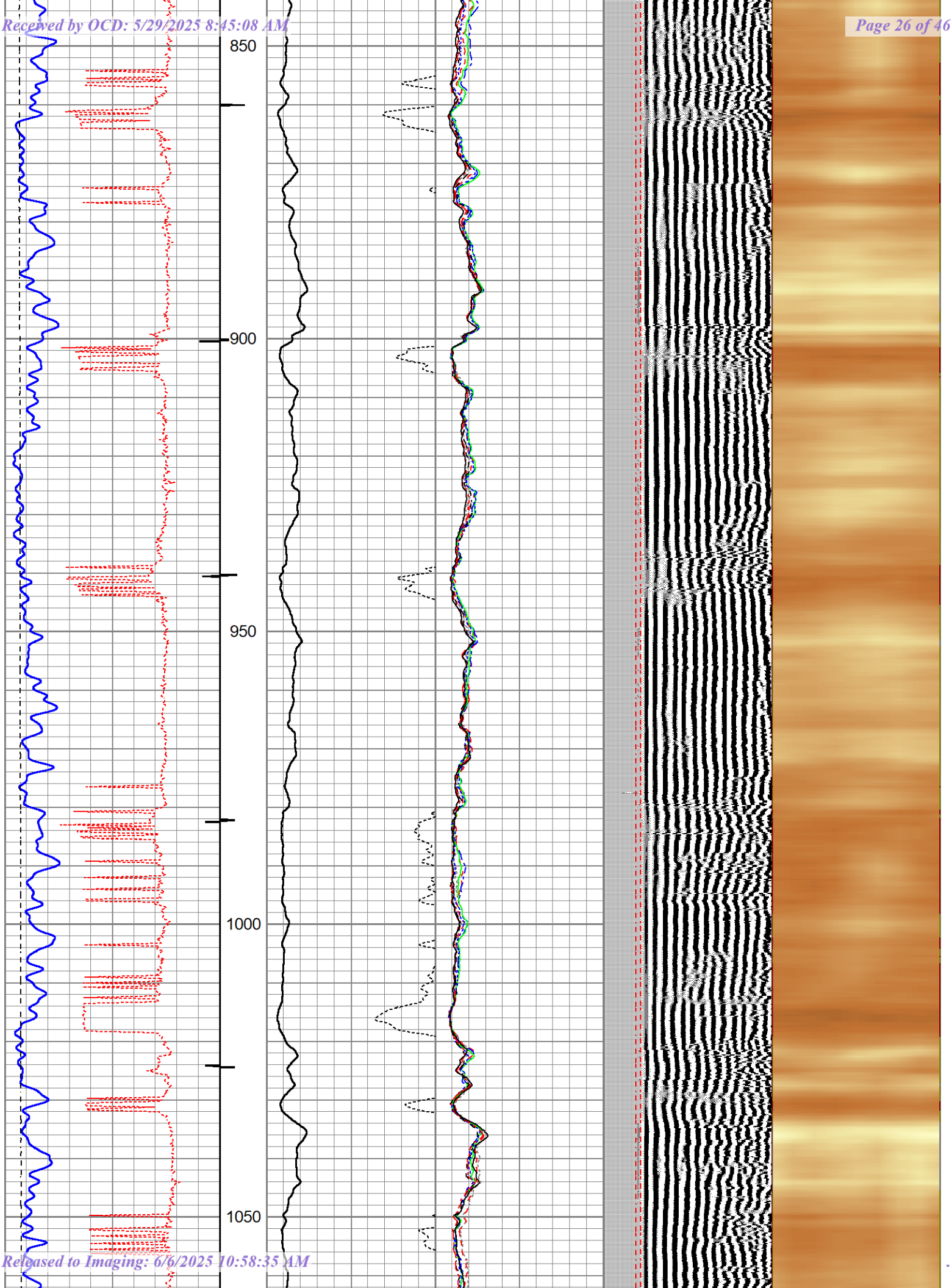
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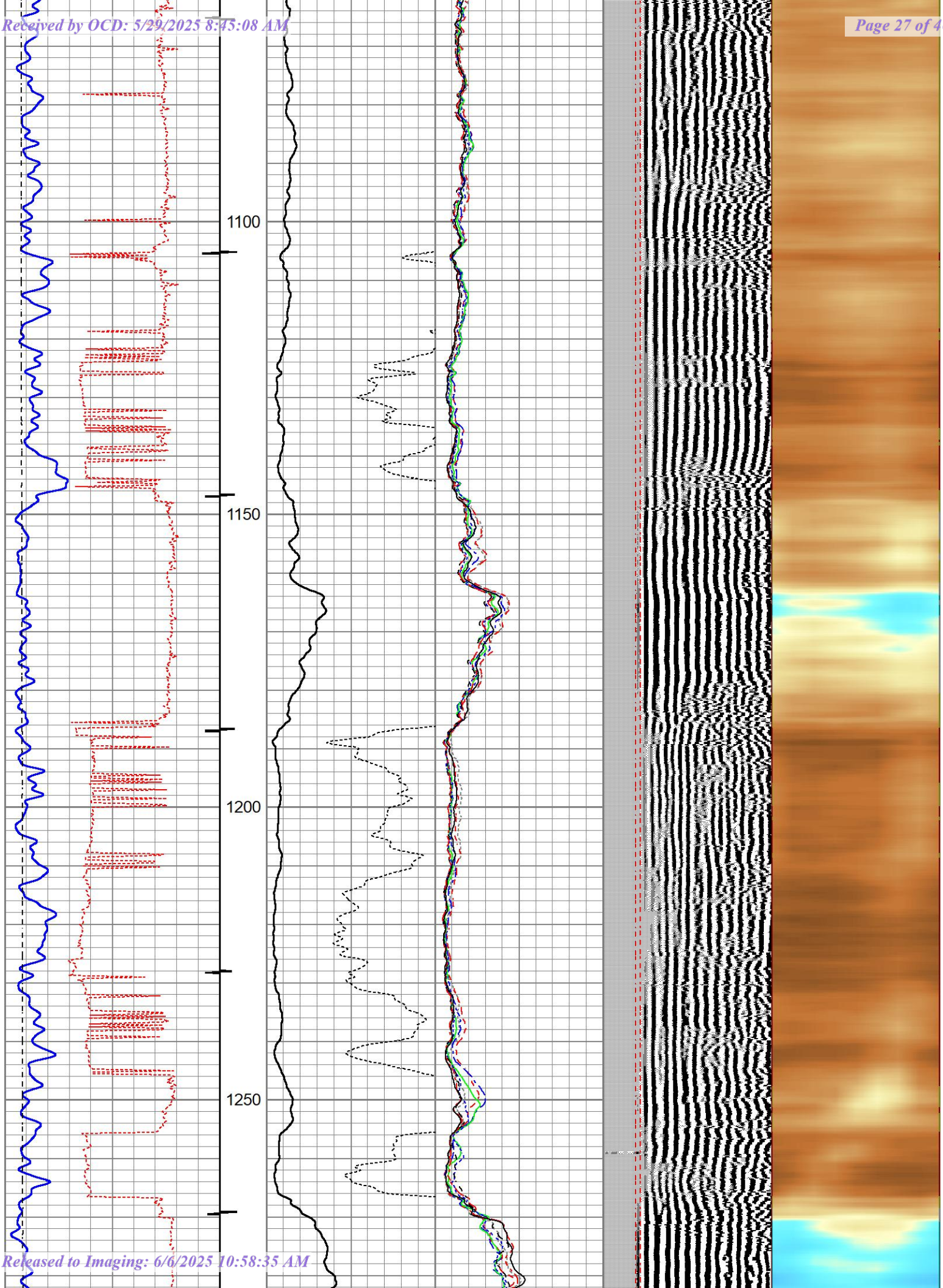
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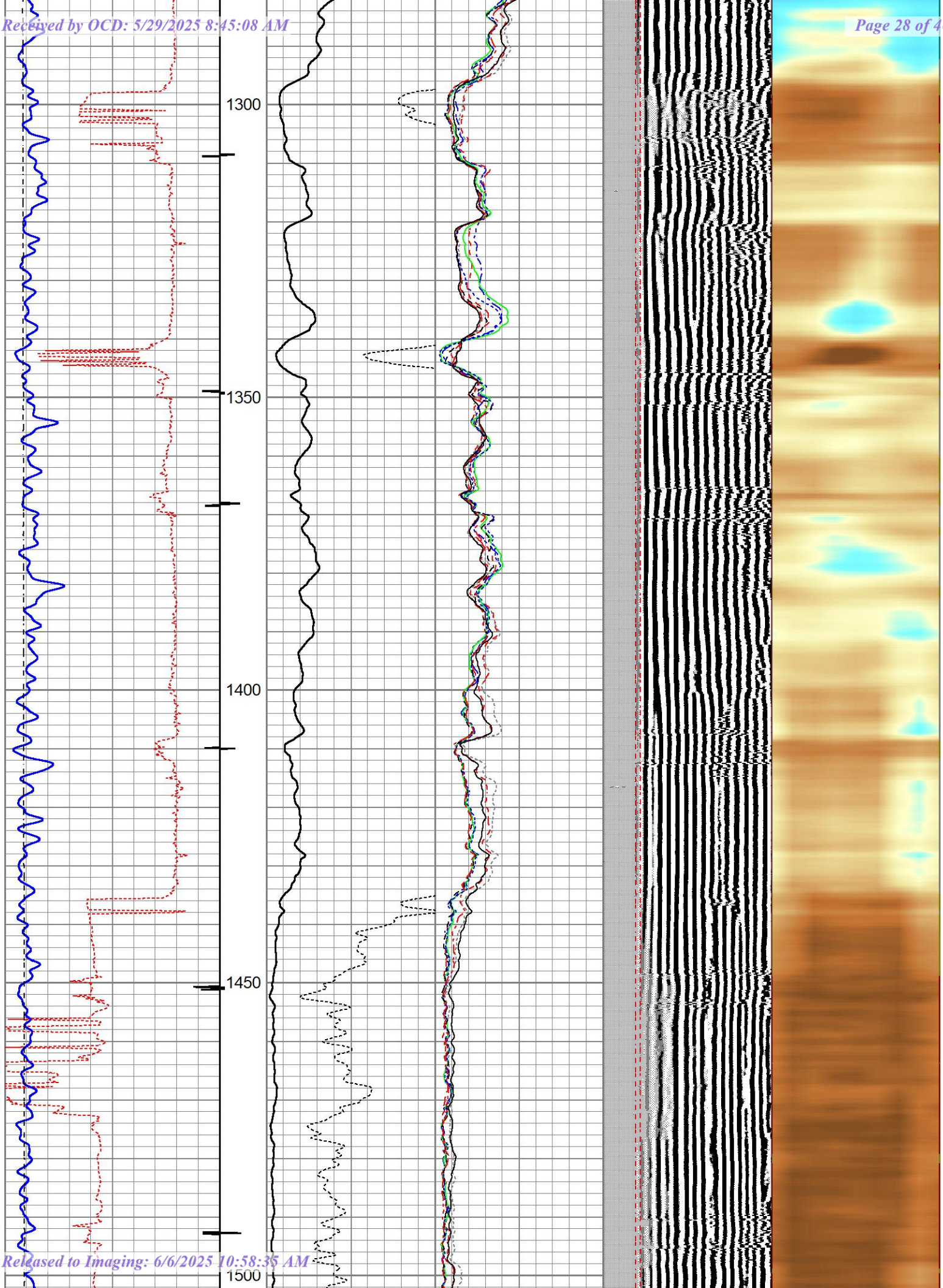
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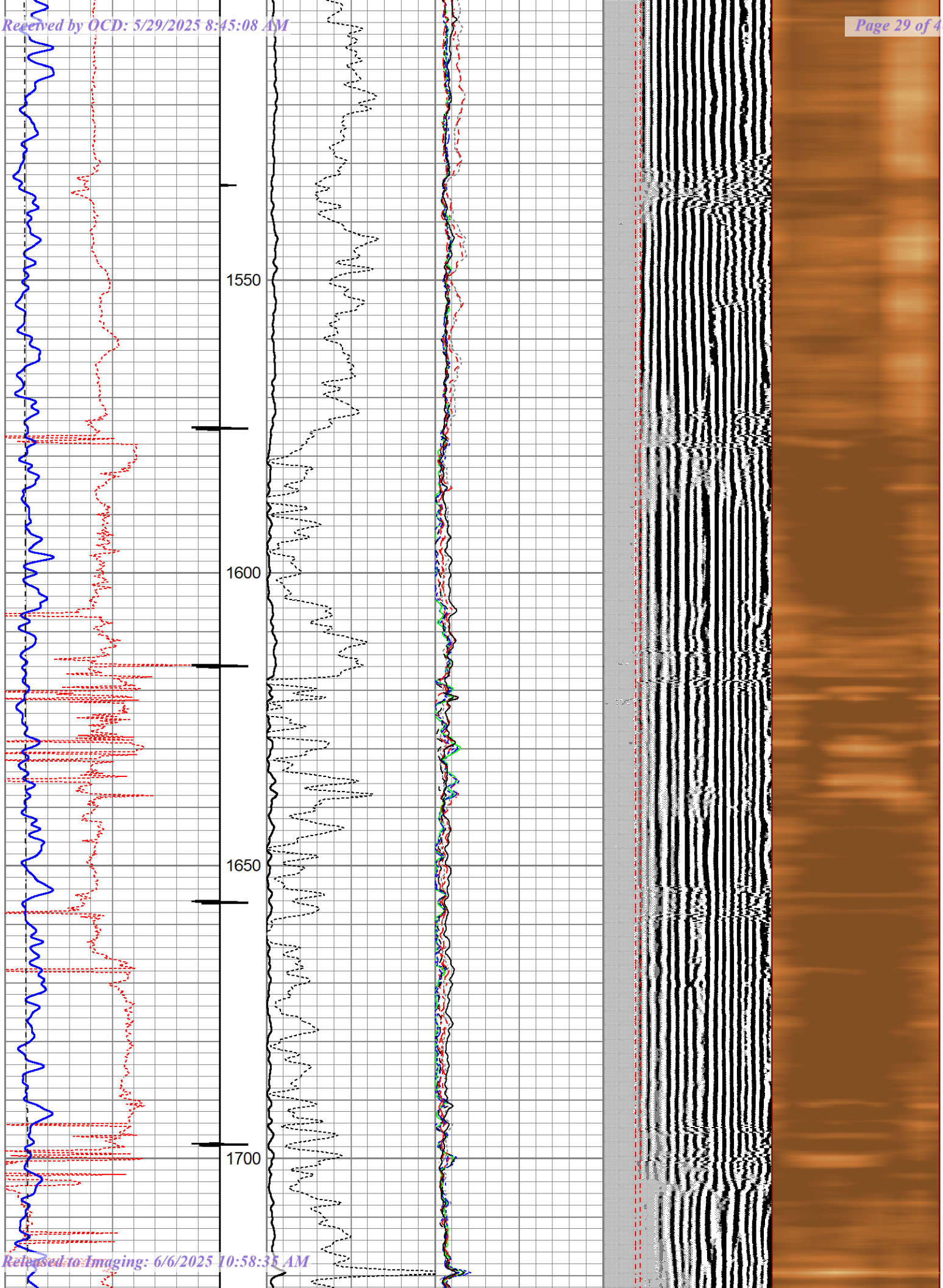
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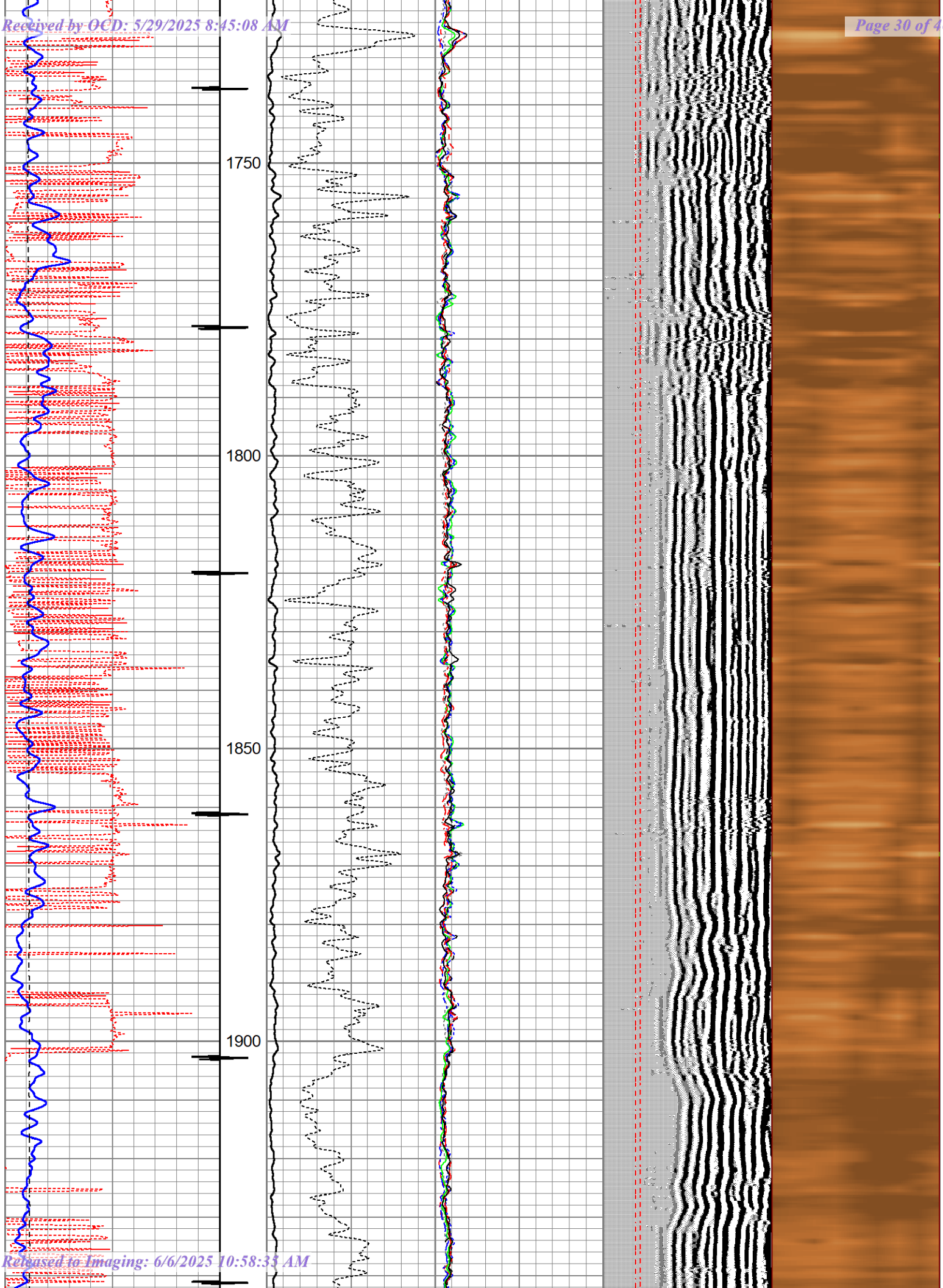

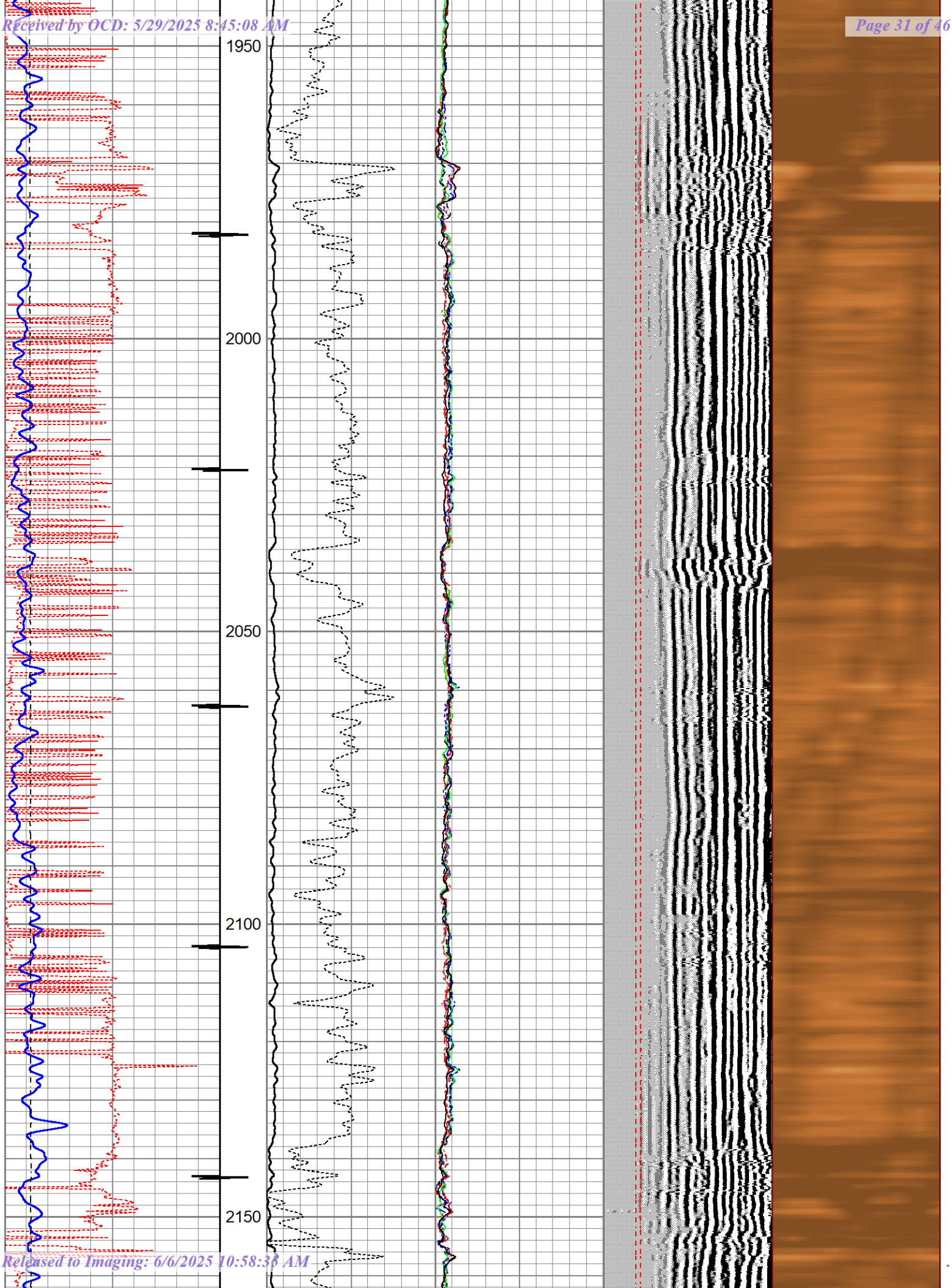

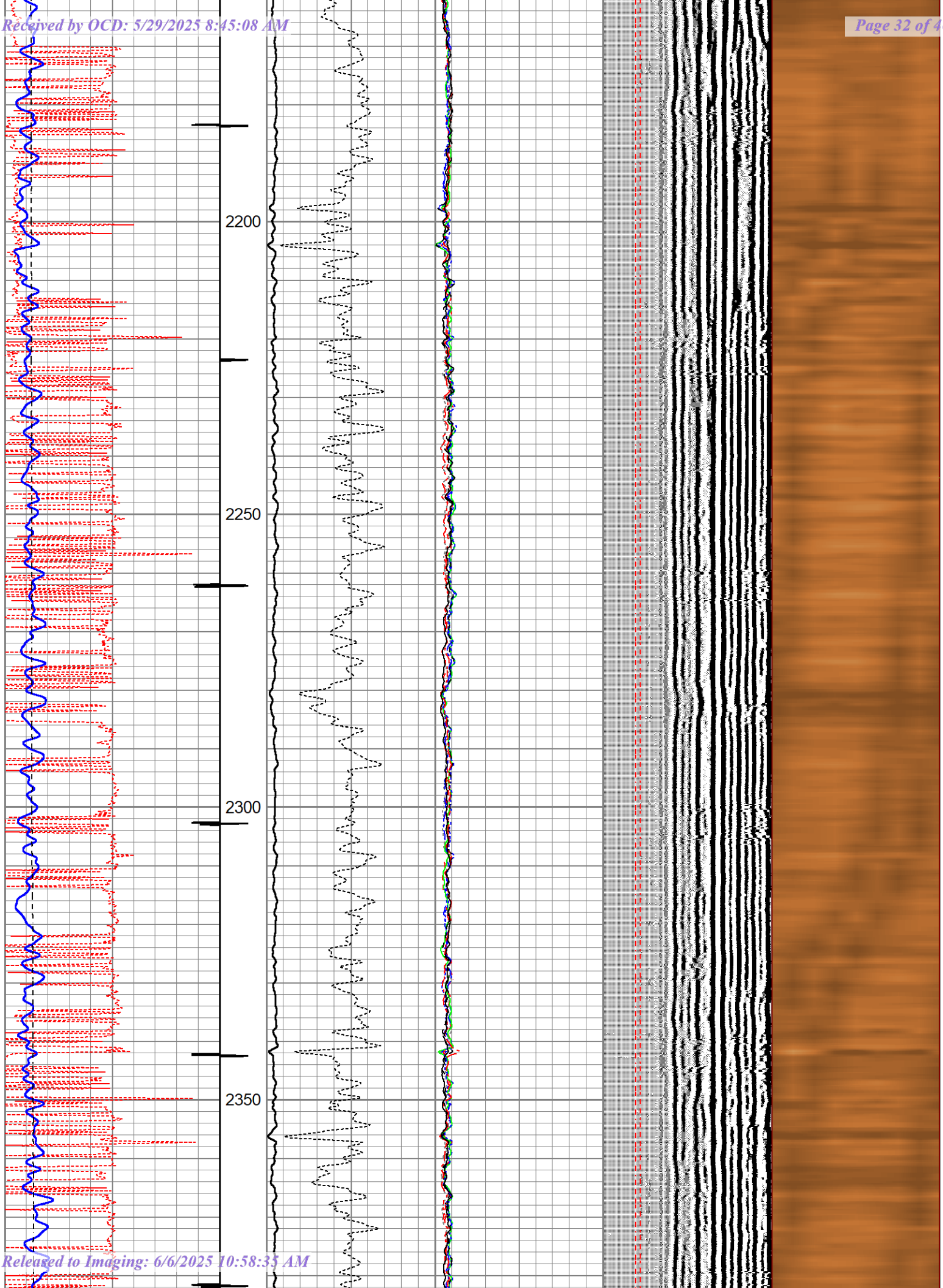
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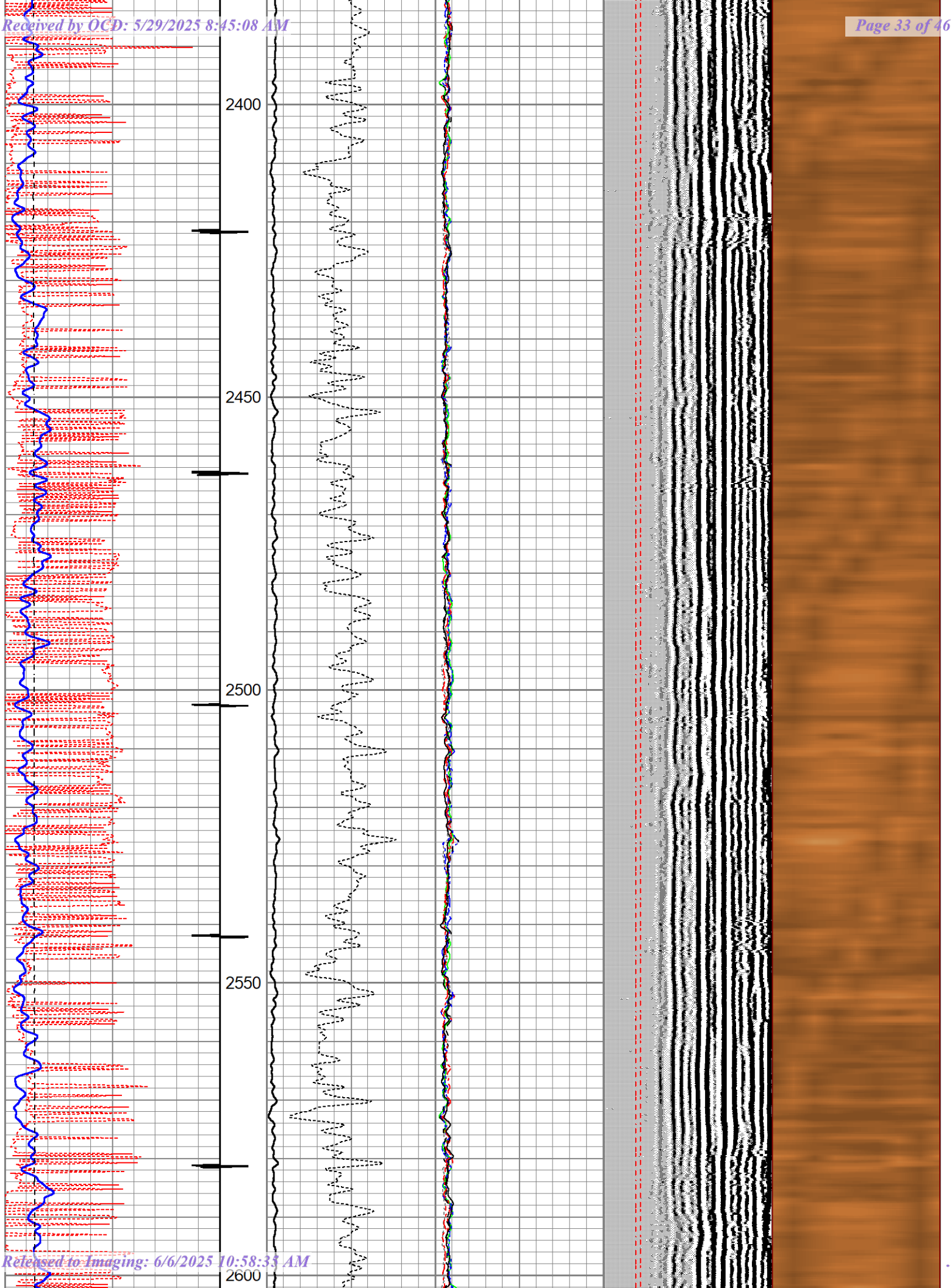

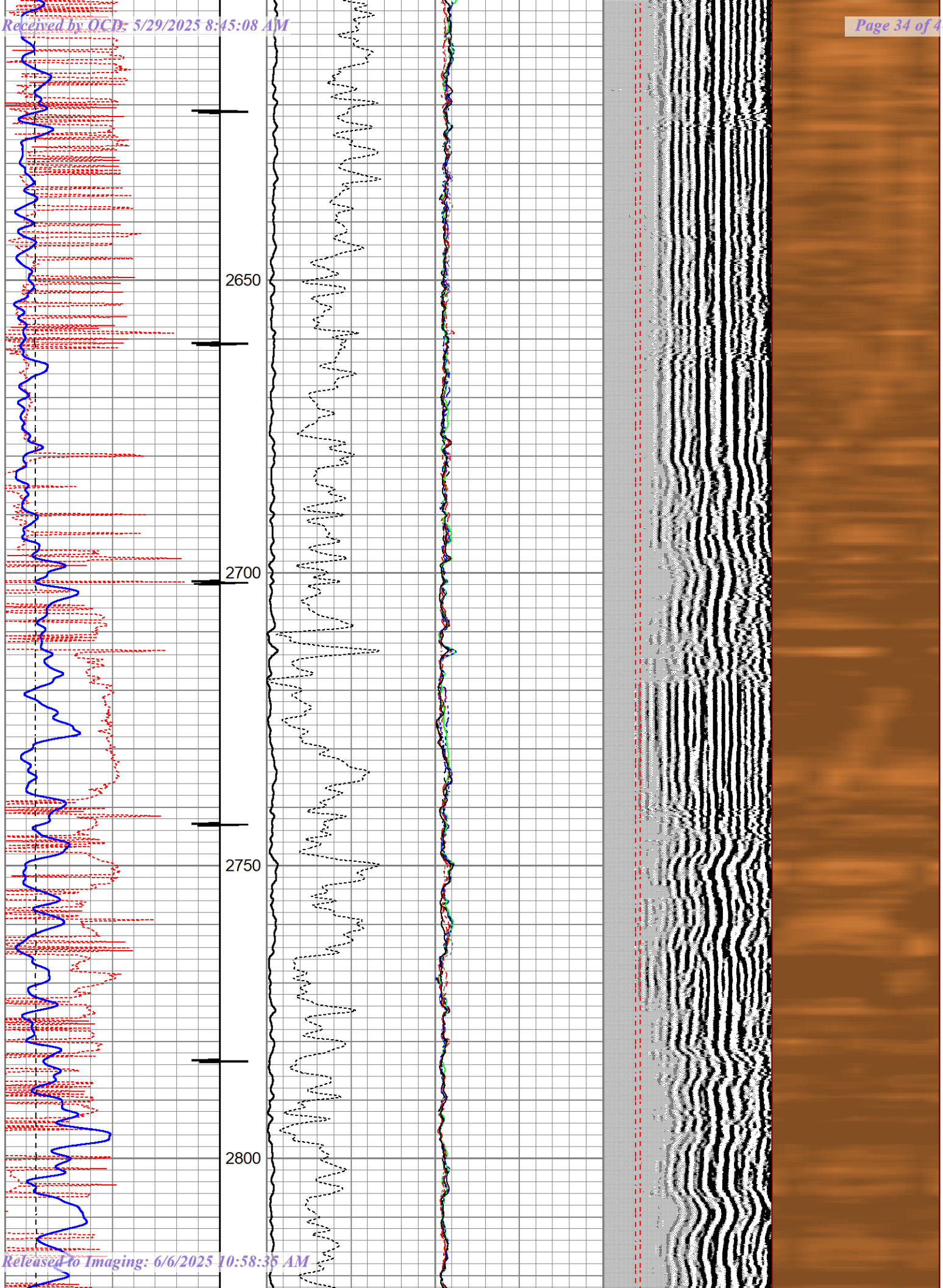

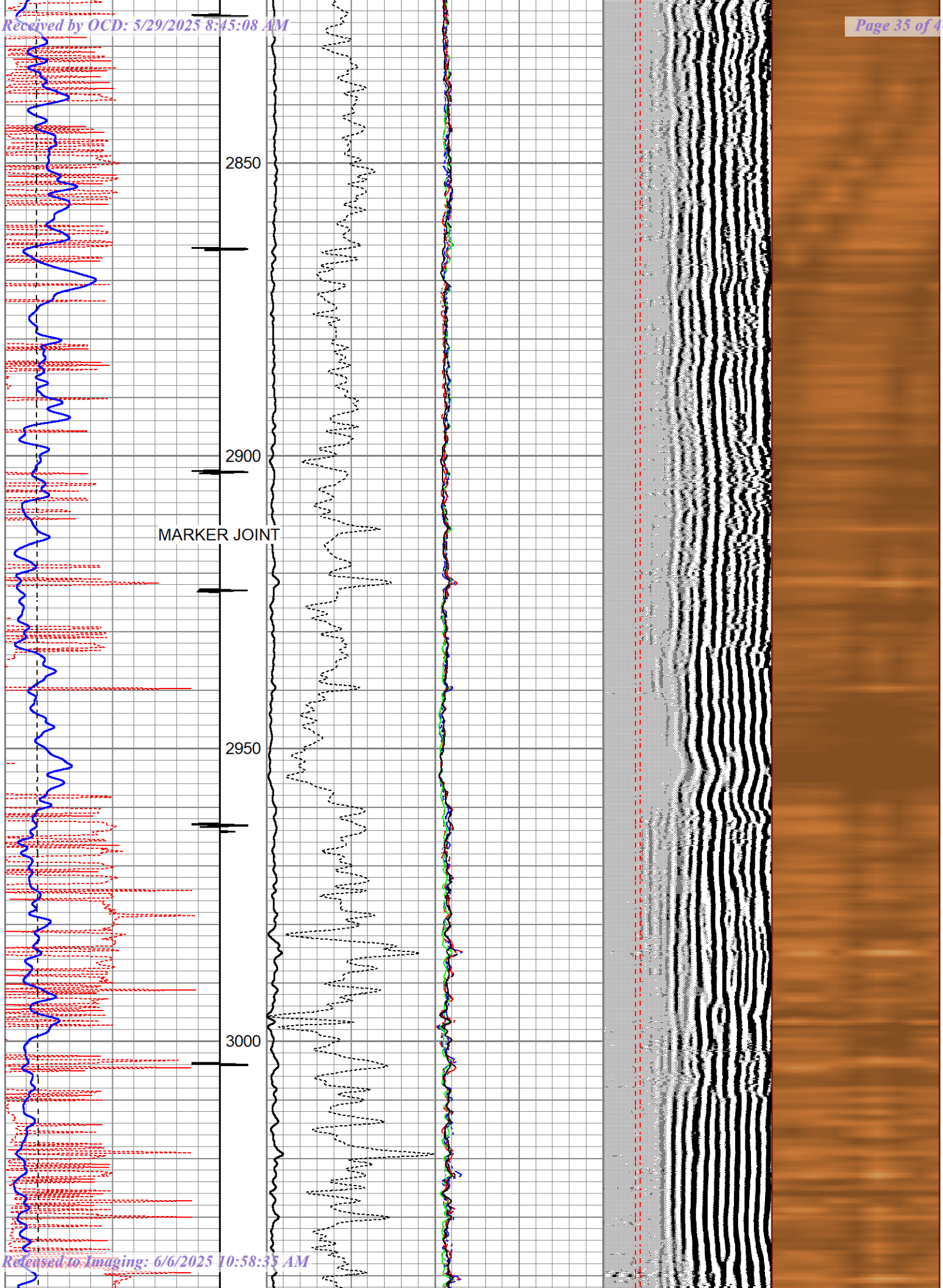

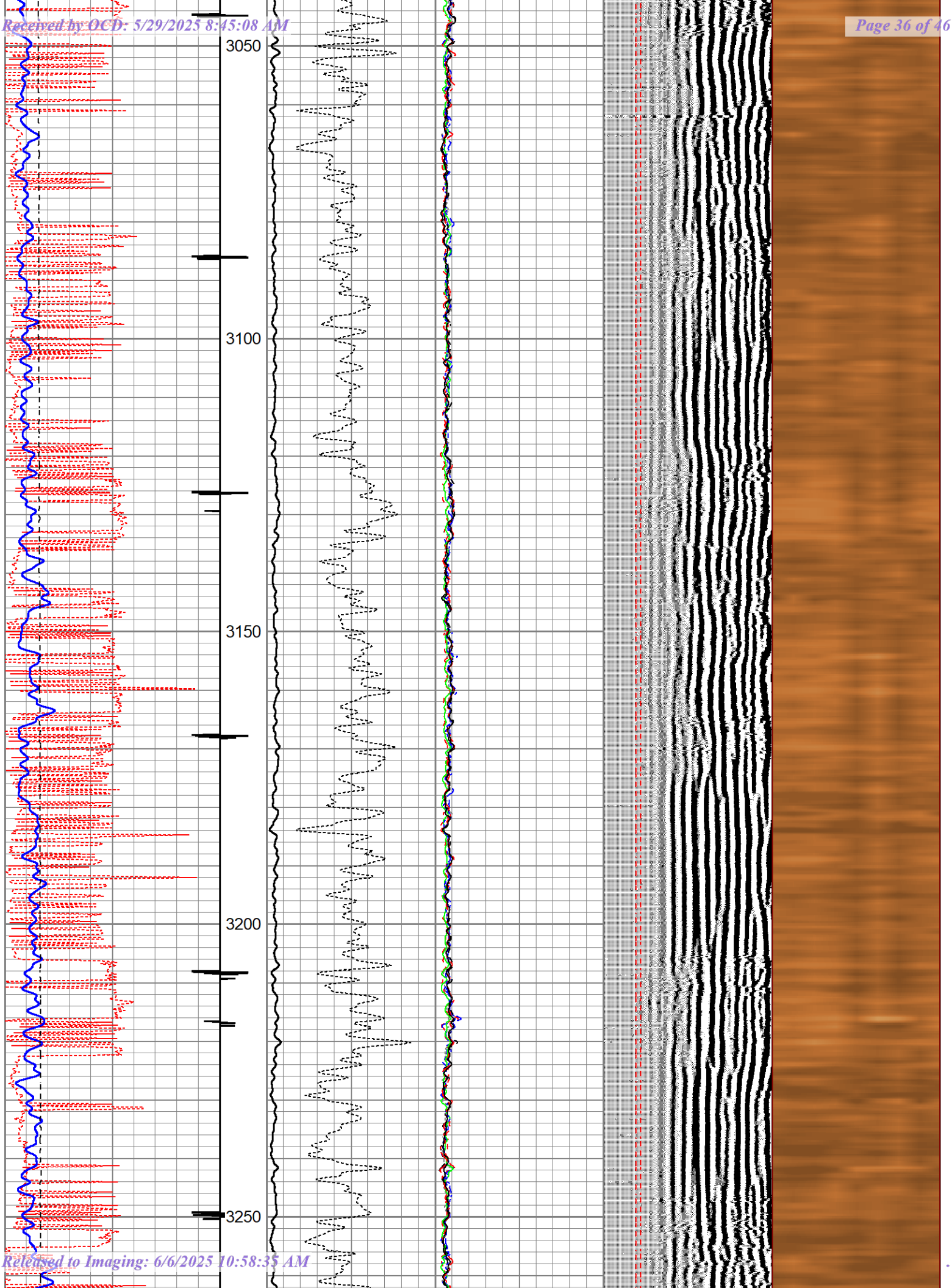
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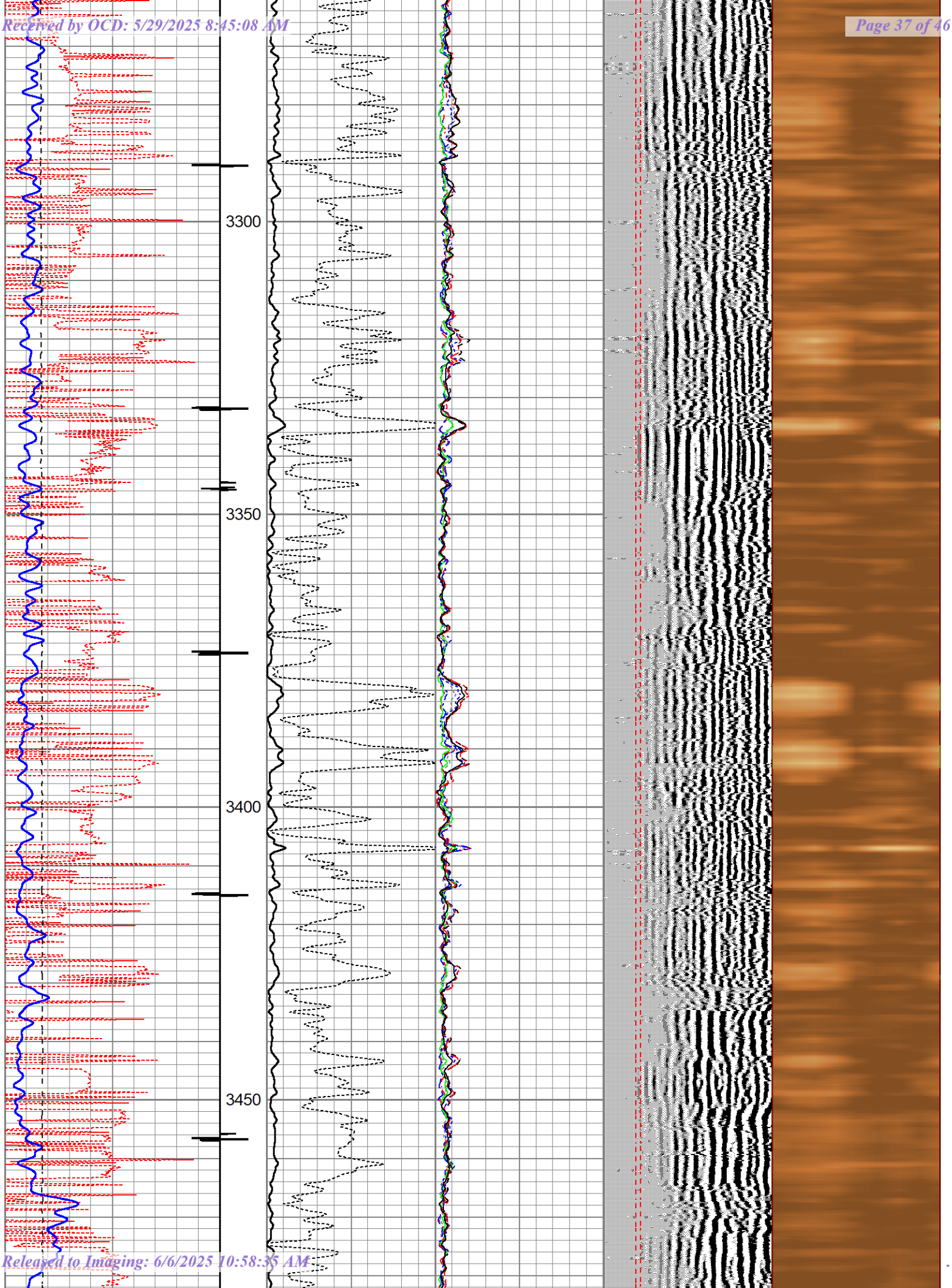
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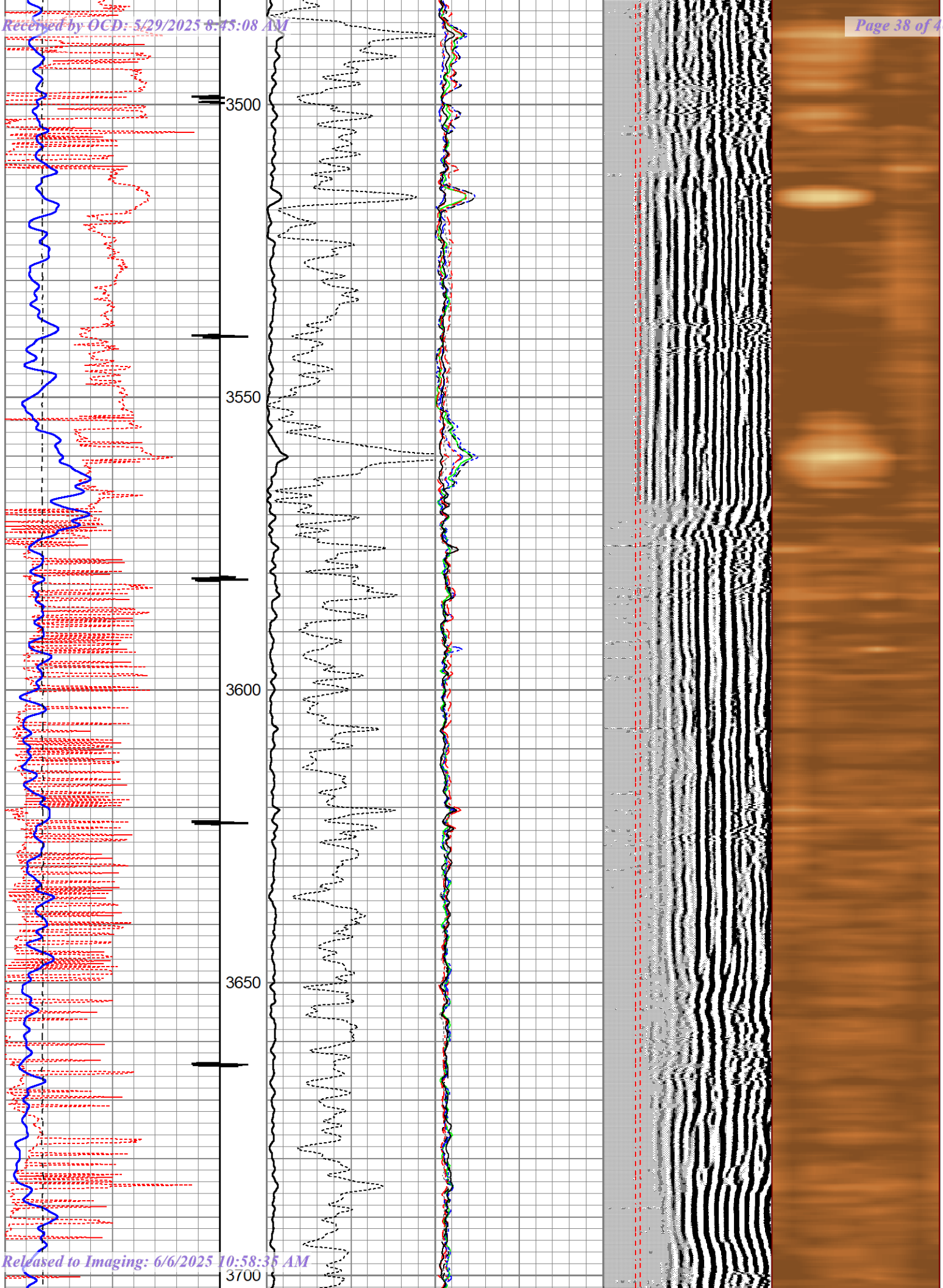

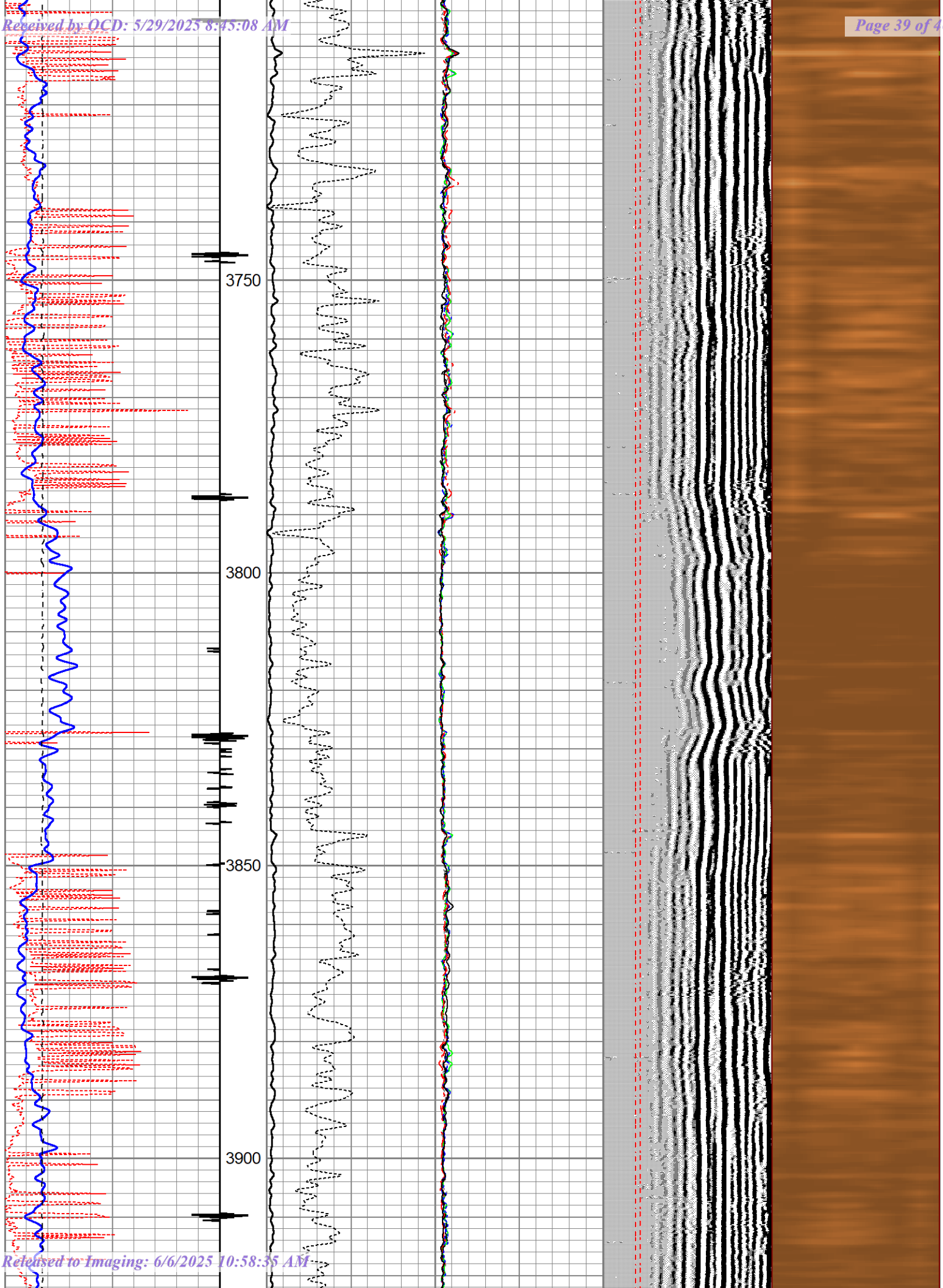

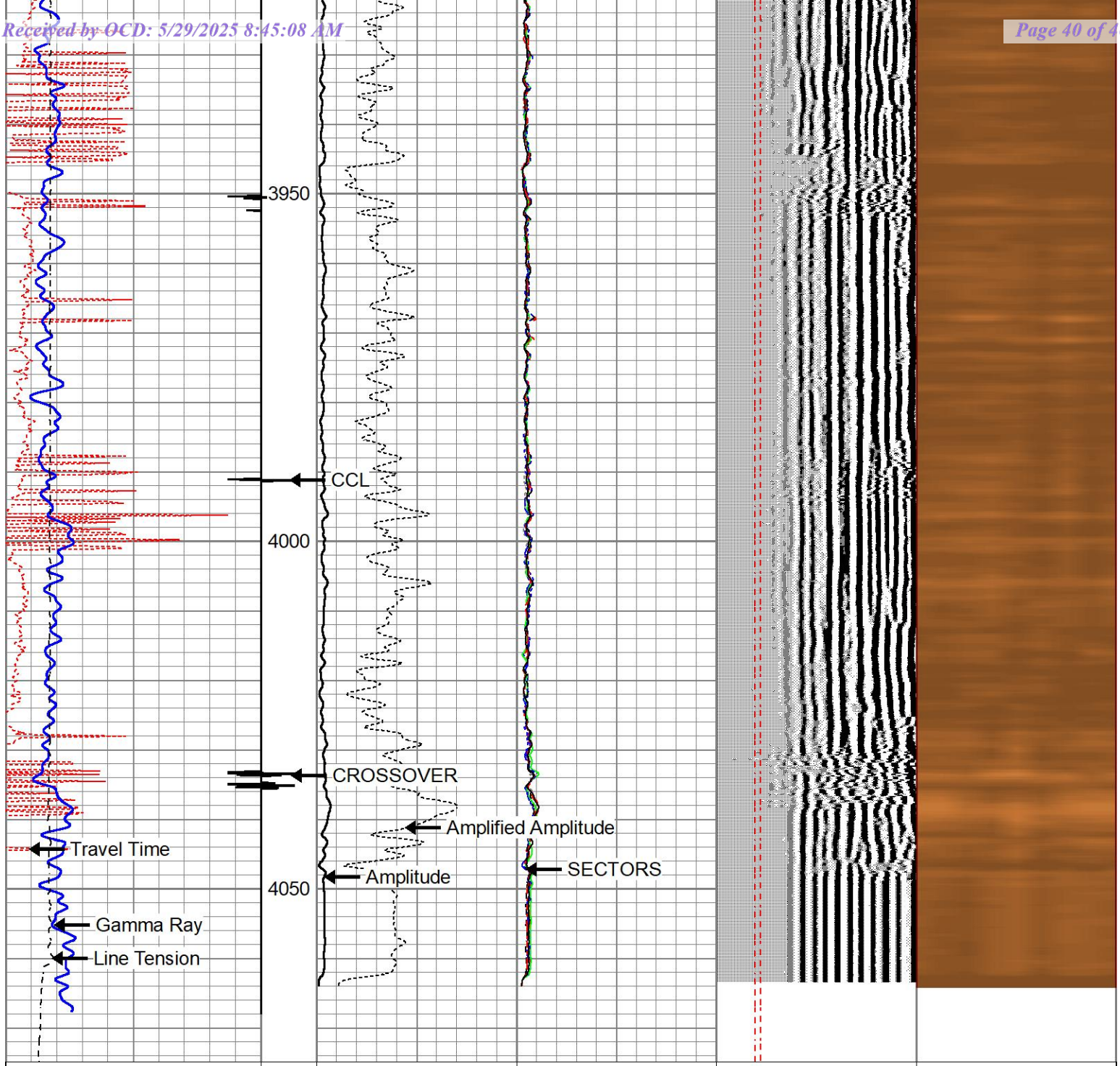


NEXTIER

MAIN SECTION "0 PSI"

NEXTIER

# REPEAT SECTION "0 PSI"

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| Database File | riley_baffin_70h_rcbl.db |
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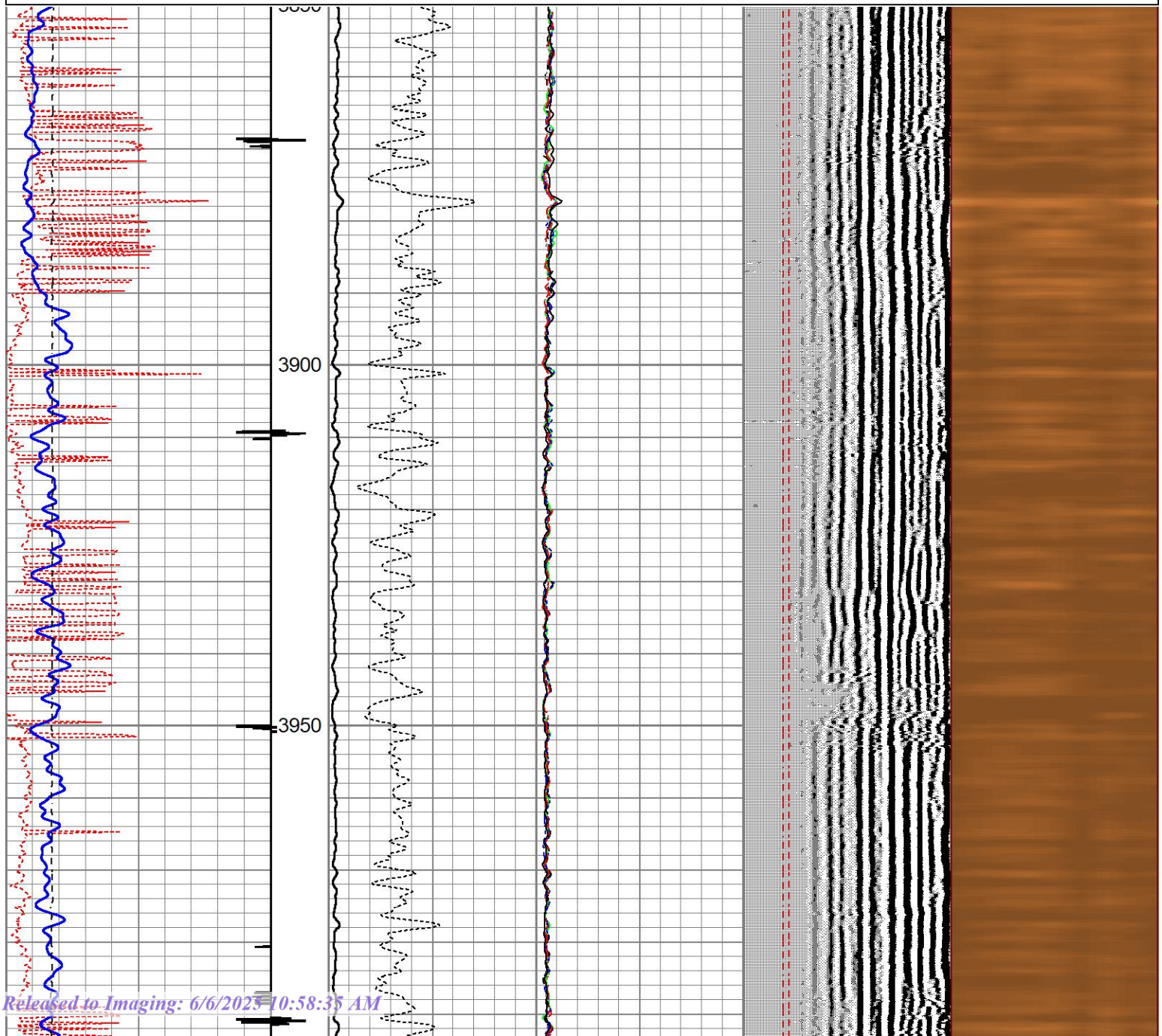
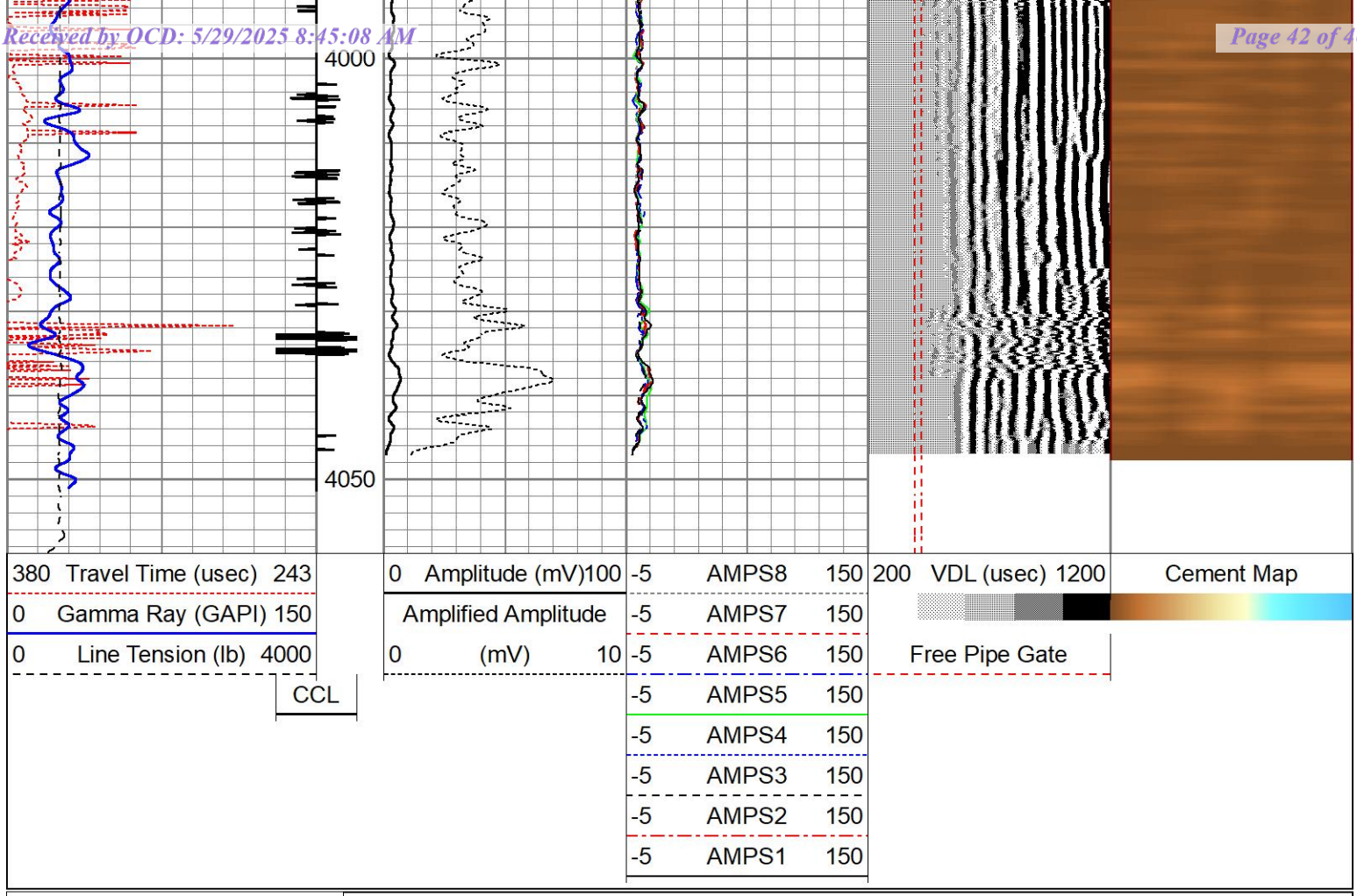
| Presentation Format | scbl5_5n |
| Dataset Creation | Thu Dec 19 15:00:59 2024 |
| Charted by | Depth in Feet scaled 1:240 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 380 | Travel Time (usec) | 243 | 0 | Amplitude (mV) | 100 | -5 | AMPS8 | 150 | 200 VDL (usec) 1200 Cement Map |
| 0 | Gamma Ray (GAPI) | 150 | | Amplified Amplitude | | -5 | AMPS7 | 150 | |
| 0 | Line Tension (lb) | 4000 | 0 | (mV) | 10 | -5 | AMPS6 | 150 | Free Pipe Gate |
| | CCL | | | | | -5 | AMPS5 | 150 | |
| | | | | | | -5 | AMPS4 | 150 | |
| | | | | | | -5 | AMPS3 | 150 | |
| | | | | | | -5 | AMPS2 | 150 | |
| | | | | | | -5 | AMPS1 | 150 | |






NEXTIER

# REPEAT SECTION "0 PSI"

## Log Variables

DatabaseE:\Warrior Data\riley_baffin_70h_rcbl.db
Dataset field/well/run1/pass12/_vars_

**Top - Bottom**

| BOREID | BOTTEMP | CASEOD | CASETHCK | CASEWGHT | MAXAMPL | MINAMPL | MINATTN |
|---|---|---|---|---|---|---|---|
| in | degF | in | in | lb/ft | mV | mV | db/ft |
| 7.875 | 100 | 7 | 0 | 32 | 0 | 2 | 0.8 |

| PERFS | PPT | SRFTEMP | TDEPTH |
|---|---|---|---|
| | usec | degF | ft |
| No | 0 | 0 | 0 |

## Calibration Report

| | |
|---|---|
| Database File | riley_baffin_70h_rcbl.db |
| Dataset Pathname | pass12 |
| Dataset Creation | Thu Dec 19 16:12:45 2024 |

## Gamma Ray Calibration Report

| | | |
|---|---|---|
| Serial Number: | 120547 | |
| Tool Model: | GCT275-0BP0 | |
| Performed: | Thu Dec 19 11:17:16 2024 | |
| Calibrator Value: | 1059.0 | GAPI |

| | | |
|---|---|---|
| Background Reading: | 44.4 | cps |
| Calibrator Reading: | 200.3 | cps |
| Sensitivity: | 0.8000 | GAPI/cps |

## Inclinometer Calibration Report

Performed: (Not Performed)

| | Low Read. | High Read. | Low Ref. | High Ref. | |
|---|---|---|---|---|---|
| X Accelerometer | 0.00 | 1.00 | 0.00 | 1.00 | gee |
| Y Accelerometer | 0.00 | 1.00 | 0.00 | 1.00 | gee |
| Z Accelerometer | 0.00 | 1.00 | 0.00 | 1.00 | gee |

## Segmented Cement Bond Log Calibration Report

| | | |
|---|---|---|
| Serial Number: | RBT275C_Base | |
| Tool Model: | RADII-275C | |
| Calibration Casing Diameter: | 5.500 | in |
| Calibration Depth: | -0.067 | ft |

Master Calibration, performed Thu Dec 19 11:16:07 2024:

| | Raw (v) | | Calibrated (mv) | | Results | |
|---|---|---|---|---|---|---|
| | Zero | Cal | Zero | Cal | Gain | Offset |
| 3' | 0.010 | 0.775 | 2.000 | 71.921 | 91.397 | 1.107 |
| CAL | 0.006 | 0.759 | | | | |
| 5' | 0.012 | 0.651 | 2.000 | 71.921 | 109.439 | 0.720 |
| SUM | | | | | | |
| S1 | 0.009 | 0.763 | 0.000 | 100.000 | 132.761 | -1.240 |
| S2 | 0.008 | 0.749 | 0.000 | 100.000 | 134.974 | -1.129 |
| S3 | 0.009 | 0.746 | 0.000 | 100.000 | 135.755 | -1.223 |
| S4 | 0.009 | 0.747 | 0.000 | 100.000 | 135.546 | -1.200 |
| S5 | 0.008 | 0.753 | 0.000 | 100.000 | 134.280 | -1.138 |
| S6 | 0.009 | 0.760 | 0.000 | 100.000 | 133.212 | -1.203 |
| S7 | 0.009 | 0.752 | 0.000 | 100.000 | 134.573 | -1.156 |
| S8 | 0.009 | 0.742 | 0.000 | 100.000 | 136.417 | -1.239 |

Internal Reference Calibration, performed Thu Dec 19 11:15:07 2024:

| | Raw (v) | | Calibrated (v) | | Results | |
|---|---|---|---|---|---|---|
| | Zero | Cal | Zero | Cal | Gain | Offset |
| CAL | 0.000 | 0.000 | 0.006 | 0.759 | 1.000 | 0.000 |

Air Zero Calibration, performed Thu Dec 19 11:14:18 2024:

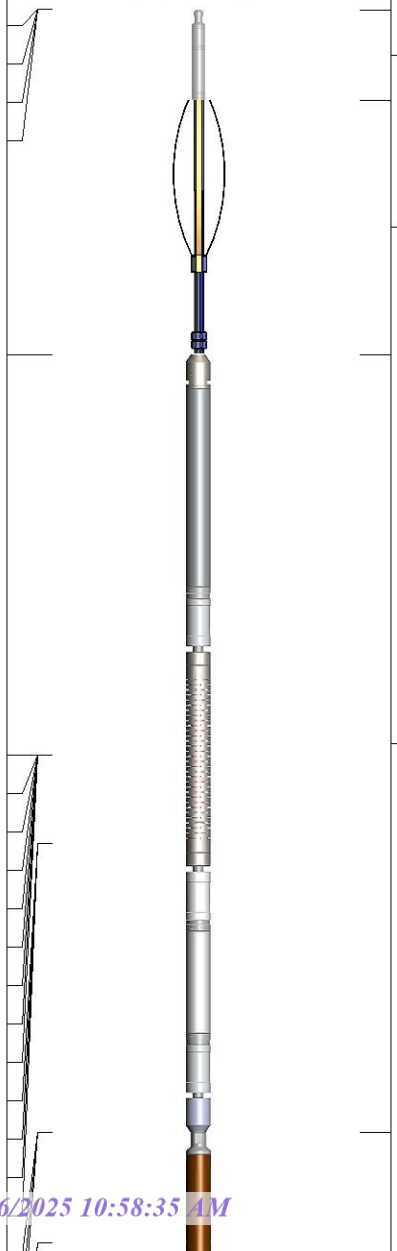
| | Raw (v) | Calibrated (v) | Results |
|---|---|---|---|
| | Zero | Zero | Offset |
| 3' | 0.000 | 0.000 | 0.000 |
| 5' | 0.000 | 0.000 | 0.000 |
| SUM | | | |

| | | | |
|---|---|---|---|
| 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: Mon May 20 14:28:36 2019

| | Low Read. | High Read. | Low Ref. | High Ref. | |
|---|---|---|---|---|---|
| X Accelerometer | -965.00 | 914.00 | -1.00 | 1.00 | gee |
| Y Accelerometer | -918.00 | 899.00 | -1.00 | 1.00 | gee |
| Z Accelerometer | 6.27 | 869.23 | 0.00 | 1.00 | gee |

| Sensor | Offset (ft) | Schematic | Description | Length (ft) | O.D. (in) | Weight (lb |
|---|---|---|---|---|---|---|
| GCT_FMWR | 21.23 |  | Cable_Head-1_7/16<br>Titan 1 7/16" Cable Head | 1.02 | 1.44 | 3.31 |
| mSec_Count | 21.23 | | | | | |
| RBT_Status | 21.23 | | | | | |
| Error_Ct | 21.23 | | | | | |
| | | | CENT-APPLIED1_68<br>APPLIED 1 11/16 CENT | 2.88 | 1.68 | |
| RBT_HV | 17.34 | | | | | |
| | | | RBT8-RADII-275C (RBT275C_Base)<br>Probe 2.75" RADII 8 Sector Bond Tool | 8.75 | 2.75 | |
| WVFS8 | 12.84 | | | | | |
| WVFS7 | 12.84 | | | | | |
| WVFS6 | 12.84 | | | | | |
| WVFS5 | 12.84 | | | | | |
| WVFS4 | 12.84 | | | | | |
| WVFS3 | 12.84 | | | | | |
| WVFS2 | 12.84 | | | | | |
| WVFS1 | 12.84 | | | | | |
| WVF3FT | 12.84 | | | | | |
| RBT_ACCZ | 11.84 | | | | | |
| RBT_ACCY | 11.84 | | | | | |
| RBT_ACCX | 11.84 | | | | | |
| WVF3FT | 11.84 | | | | | |
| GCT_HV | 8.50 | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| GCT_HV | 8.59 | | | | | |
| WVFCAL | 8.59 | | | | | |
| CCL$2 | 7.35 | | GCacc-GCT275-0BP0 (120547)<br>Probe 2.75" Gamma Ray - CCL (6 magnet) w/Temp | 5.38 | 2.75 | 59.00 |
| CCL$1 | 7.35 | | | | | |
| GCT_Temp | 6.47 | | | | | |
| GR | 5.60 | | | | | |
| GCT_IntTemp | 4.88 | | | | | |
| GCT_ACCZ | 3.21 | | | | | |
| GCT_ACCY | 3.21 | | | | | |
| GCT_ACCX | 3.21 | | | | | |
| | | | CENT-APPLIED1_68<br>APPLIED 1 11/16 CENT | 2.88 | 1.68 | |
| | | | Plug-FA108-0000<br>1.38" Bull Plug | 0.33 | 1.38 | 1.00 |

Dataset: riley_baffin_70h_rcbl.db: field/well/run1/pass12
Total length: 21.23 ft
Total weight: 63.31 lb
O.D.: 2.75 in

| | |
|---|---|
| Company | RILEY PERMIAN OPERATING CO, LLC |
| Well | BAFFIN 70H |
| Field | RED LAKE; GLORIETA-YESO |
| County | EDDY |
| State | NEW MEXICO |

NEXTIER

RADIAL CEMENT BOND
GAMMA RAY / CCL
LOG

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

COMMENTS

Action 378795

## COMMENTS

| | |
|---|---|
| Operator:<br>RILEY PERMIAN OPERATING COMPANY, LLC<br>29 E Reno Avenue, Suite 500<br>Oklahoma City, OK 73104 | OGRID:<br>372290 |
| | Action Number:<br>378795 |
| | Action Type:<br>[C-103] EP Drilling / Cement |

**Comments**

| Created By | Comment | Comment Date |
|---|---|---|
| keith.dziokonski | • Cement did not circulate to surface as required on APD Conditions of approval. No CBL has been submitted for this string of casing. A mechanical integrity test of the annulus between the surface casing and the production casing must be conducted and recorded. OCD will require that the pressure chart be signed by both the company rep and the tester. Future testing schedule will be determined pending the results of the mechanical integrity test. The signed pressure chart must be submitted alongside the resubmitted casing sundry. both casings failed to hold pressure. Please submit a workover plan detailing the remedial actions to be taken. • Operator failed to perform a CBL as prescribed in previous conditions of approval notes, the failure to follow a COA will result in review for potential compliance actions. Surface and production casing taper change does not list depth of change. • Please resubmit individual depths for each casing grade used. For future reference all tapers or | 5/15/2025 |
| keith.dziokonski | • Cement did not circulate to surface as required on APD Conditions of approval. A mechanical integrity test of the annulus between the surface casing and the first intermediate casing must be conducted and recorded. OCD will require that the pressure chart be signed by both the company rep and the tester. Future testing schedule will be determined pending the results of the mechanical integrity test. The signed pressure chart must be submitted alongside the resubmitted casing sundry. | 6/6/2025 |