WELLBORE SCHEMATIC

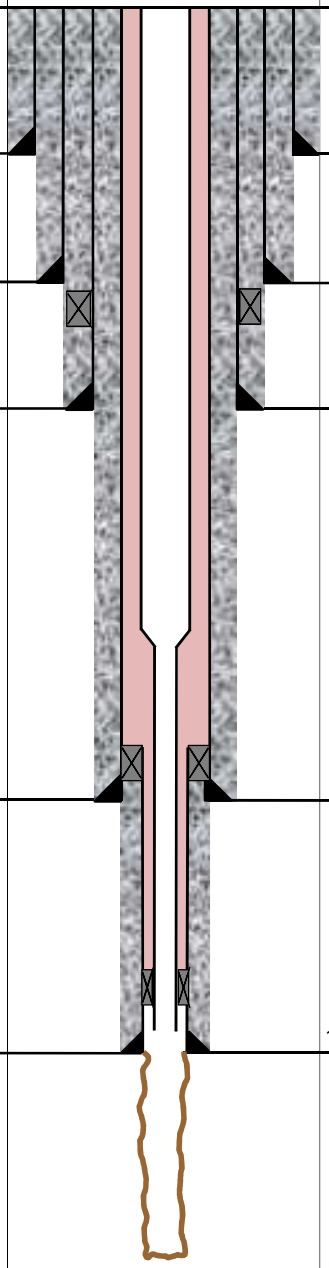
WELL: Bobby Watts Fed SWD #1 | **PROSPECT: Devonian SWD** | **API No: 30-015-48885**

GL ELEV : 3234'

RKB ELEV : 3262.5'

Surface Hole Location : 1944' FNL & 2230' FWL
Sec. 30, TWP 20-S, RGE 29-E
Eddy County, NM
32.5462686 N, 104.1148272 W

Formation Tops (TVD @ 0' VS)	MW (PPG)	Directional and BHA Details	CASING DIAGRAM	Depth (MD)	Hole	Casing & Cement Details 36" Conductor @ ± 80' GL	Logs/Notes
	8.4-8.8 FW	• Hold vertical		354'	32"	**Surf. Csg Cmt:** Circulated 110 bbls back to surface **26", 202.3#, X-60, Franks DDS**	
	10.0-10.4 Sat. Brine	• Hold vertical		1,172'	24"	**Int. 1 Csg Cmt:** Total Sacks Cement: 1625 Circulated 76 bbls to surface **20", 133#, J-55, BTC**	
	8.4-8.8 FW	• Hold vertical		3,212'	17-1/2"	**Int. 2 Csg Cmt:** Total Sacks Cement: 2940 Circulated 270 bbls to surface **13-3/8", 68#, J-55, BTC**	• DV/Packer Tool @ 1227' (50' outside shoe) with 2-stage Cement Job
Bell/Cherry Canyon @ 3236' Brushy Canyon @ 3966' Bone Spring Lime @ 5722' Avalon Shale @ 5986' 1st Bone Spring Sand @ 6885' 2nd Bone Spring Sand @ 7587' 3rd Bone Spring Sand @ 8837' Wolfcamp @ 9161'	8.4-9.4 Cut Brine	• Hold vertical		9,308'	12-1/4"	**Int. 3 Csg Cmt:** Total Sacks Cement: 1995 Circulated 150 bbls to surface **9-5/8", 40#, P-110HC, BTC**	
Penn Shale @ 9954' Strawn @ 10344' Atoka @ 10712' Morrow @ 11062' Miss Lime @ 12110' Woodford Shale @ 12620' Devonian Carb @ 12696'	9.5-12 Mud	• Hold vertical		12,710'	8-3/4"	**Prod Csg Cmt:** Total Sacks Cement: 435 TOC from CBL: Liner Top **Liner Hanger** **7-5/8", 39#, P-110HC, VAM HTF-NR, 8,817' – 12,710'**	
	8.4-9.2 FW			13,663'	6-1/2"	**Tubing:** Baker Signature F Chrome Permanent Packer @ 12,638' **7", 26#, P-110, BTC, Fiberglass Lined, 0 – 8,678'** **5-1/2", 20#, P-110IC, BTC, Fiberglass Lined, 8,678' - 12,638'**	



Prepared By: WMW – 10/28/2021

Well Name: Sample
Field: Sample
Location: Sample
Surface Coordinates: Not Specified
Rig Name: Not Specified
Rig Date: Not Specified
Date: Friday, December 31, 2021
Time: 12:00 AM
Time Zone: Not Specified
Coordinate System: Not Specified
Vertical Section Azimuth: 0.00°
Vertical Section Origin: 0.00 ft, 0.00 ft
TVD Reference: Not Specified
Magnetic Declination: Not Specified
Dip Angle: Not Specified
Total Field Strength: Not Specified
Date Last Revised: Not Specified
Magnetic Model: Not Specified
Grid Convergence: Not Specified
Scale Factor: Not Specified
Geodetic Datum: Not Specified
Map Zone: Not Specified
Map Projection: Not Specified
Sample
Directional Survey
Measured Depth (ft)
Inclination (°)
Azimuth (°)
True Vertical Depth (ft)
Vertical Section (ft)
Northing (ft)
Easting (ft)
Dogleg Severity (°/100ft)
Build Rate (°/100ft)
Turn Rate (°/100ft)
Tool Face (°)
Comments
Sample
Sample
Sample

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CEMENT BOND LOG WITH GAMMA RAY

Comp. SAN MATEO MIDSTREAM
Well BOBBY WATTS FEDERAL SWD #1
Field DEVONIAN
Co. EDDY
State NEW MEXICO

Company **SAN MATEO MIDSTREAM**
Well **BOBBY WATTS FEDERAL SWD #1**
Field **DEVONIAN**
County **EDDY** State **NEW MEXICO**

Location: API # : 30-015-48885
1944' FNL & 2230' FWL
SEC 30 TWP 20S RGE 29E

Other Services
N/A

Permanent Datum	GL	Elevation	3234
Log Measured From	KB 28.5	Above Perm. Datum	
Drilling Measured From	KELLY BUSHING		

Elevation
K.B. 3262.5
D.F. 3261.5
G.L. 3234

Date of Service	SEPTEMBER 22, 2021
Run Number	1
Depth Driller or PBTD	12670
Depth Logger	12670
Bottom Log Interval	12658
Top Log Interval	8817
Open Hole Size	8.75
Type Fluid	FRESH
Fluid Level	FULL
Fluid Density	8.4
Max. Recorded Temperature	N/A
Max. Wellhead Pressure	1000
Wellhead Connection	ROTATING HEAD
Estimated Cement Top	N/A
Unit Number	P52
Wireline Size	9/32"
Location	ODESSA
Recorded By	B. TELLER
Witnessed By	J. BETANCOURT

	Size	Wt/Ft	Top	Bottom
Tubing Record				
Surface Casing	9.625	40	0	N/A
Production Casing				
Liner Record	7.625	39	8817	12710

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.
REPEAT RAN WITH 0 PSI
MAIN PASS RAN WITH 1000 PSI

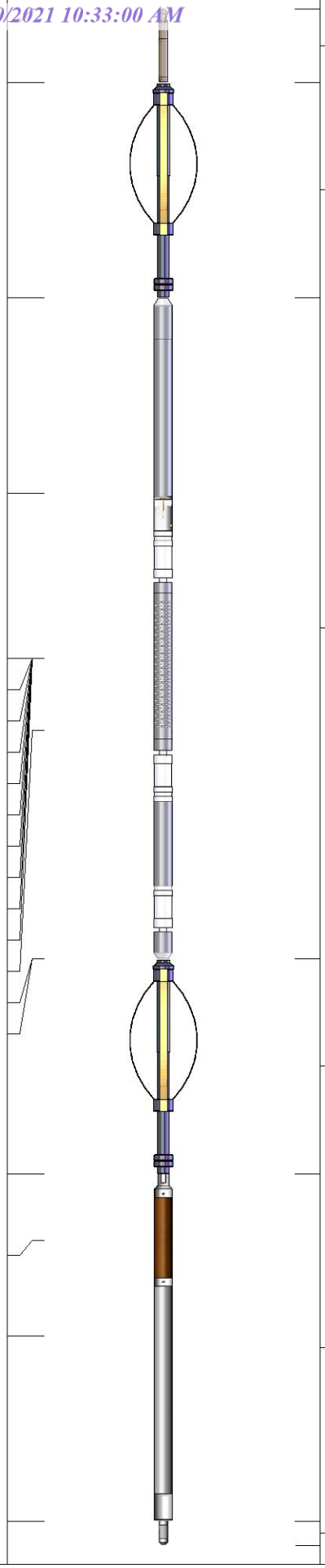
LOG TIED INTO LINER TOP AT 8817'

THANK YOU FOR USING PIONEER ENERGY SERVICES!

Your Pioneer Energy Services Crew	Tool Data - Services	Serial Number
Engineer: BRIAN TELLER	RBL	140659
Operator: JACOB VELA	GR/CCL	080602
Operator: JORGE MOSQUEDO		
Operator:		

Received by OCD: 11/10/2021 10:30:44 AM
Released to Imaging: 11/10/2021 1:25:12 PM

Received by OCD: 11/10/2021 10:33:00 AM

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
Cable Head	21.41		Cable Head-Titan_144 1 7/16" Titan Cable Head	1.03	1.44	2.00
Centralizer	20.37		Centralizer-275 TekCo 2 3/4" TekCo Centralizer	3.00	2.75	20.00
PROBE-RBT DIGITAL	17.37					
TEMP	14.65					
WVFS8	12.35		PROBE-RBT-DIGITAL-RBL-DCT (070230) Probe 2 3/4" Radii Bond with Temp-Corrosion Package	9.21	2.75	105.00
WVFS7	12.35					
WVFS6	12.35					
WVFS5	12.35					
WVFS4	12.35					
WVFS3	12.35					
WVFS2	12.35					
WVFS1	12.35					
WVFCAL	12.35					
WVF3FT	12.35					
WVF5FT	11.35					
Centralizer	8.17		Centralizer-275 TekCo 2 3/4" TekCo Centralizer	3.00	2.75	20.00
HEADVOLT	8.17					
PROBE GR/CCL DIGITAL	5.17					
CCL	4.25					
GR	2.92		PROBE-GR/CCL-DIGITAL-275_6-PIN (120415) Probe 2 3/4" Gamma CCL 6-pin Bottom for CNT	4.83	2.75	50.00
Bullnose	0.33		Bullnose-PROBE Probe Go Pin Pressure Cap	0.33	1.38	1.00

Dataset: matador_bobby watts fed swd #1.db: field/well/run1/pass9
Total length: 21.41 ft
Total weight: 198.00 lb
O.D. 2.75 in

Released to Imaging: 11/10/2021 1:25:12 PM

Log Variables

Database C:\ProgramData\Warrior\Data\matador_bobby watts fed swd #1.db
Dataset field/well/run1/pass9/_vars_

Top - Bottom

BHTEMP_Src	BOREID in	BOTTEMP degF	CASED?	CASEOD in	CASETHCK in	CASEWGHT lb/ft	CMNTTHCK in
TEMP	8.75	170	Yes	7.625	0.5	39	0
CMTTKCOR	**CSTKCOR**	**MAXAMPL mV**	**MINAMPL mV**	**MINATTN db/ft**	**NPORSEL**	**PERFS**	**PPT usec**
Off	Off	59	1	0.08	Limestone	No	0
SRFTEMP degF	**SZCOR**	**TDEPTH ft**					
70	Off	12568					

Variable Description

BHTEMP_Src : BHTEMP Input Source Selector
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASED? : Cased hole ?
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
CASEWGHT : Casing Weight
CMNTTHCK : Cement Thickness
CMTTKCOR : CN CemThk. Cor. ?
CSTKCOR : CN CasThk. Cor. ?
MAXAMPL : Maximum Amplitude
MINAMPL : Minimum Amplitude
MINATTN : Minimum Attenuation
NPORSEL : Neutron Porosity Curve Select
PERFS : Perforation Flag
PPT : Predicted Pipe Time
SRFTEMP : Surface Temperature
SZCOR : CN Size Cor. ?
TDEPTH : Total Depth

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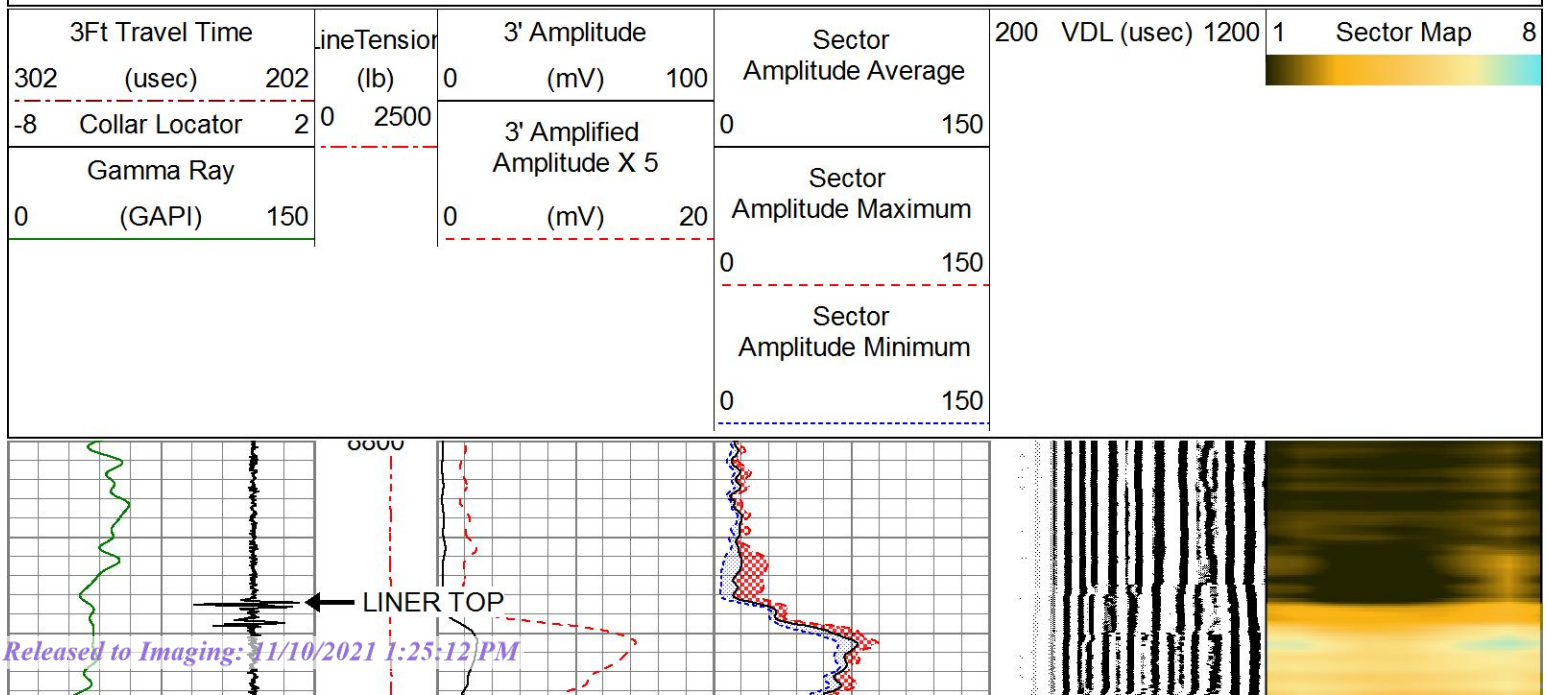
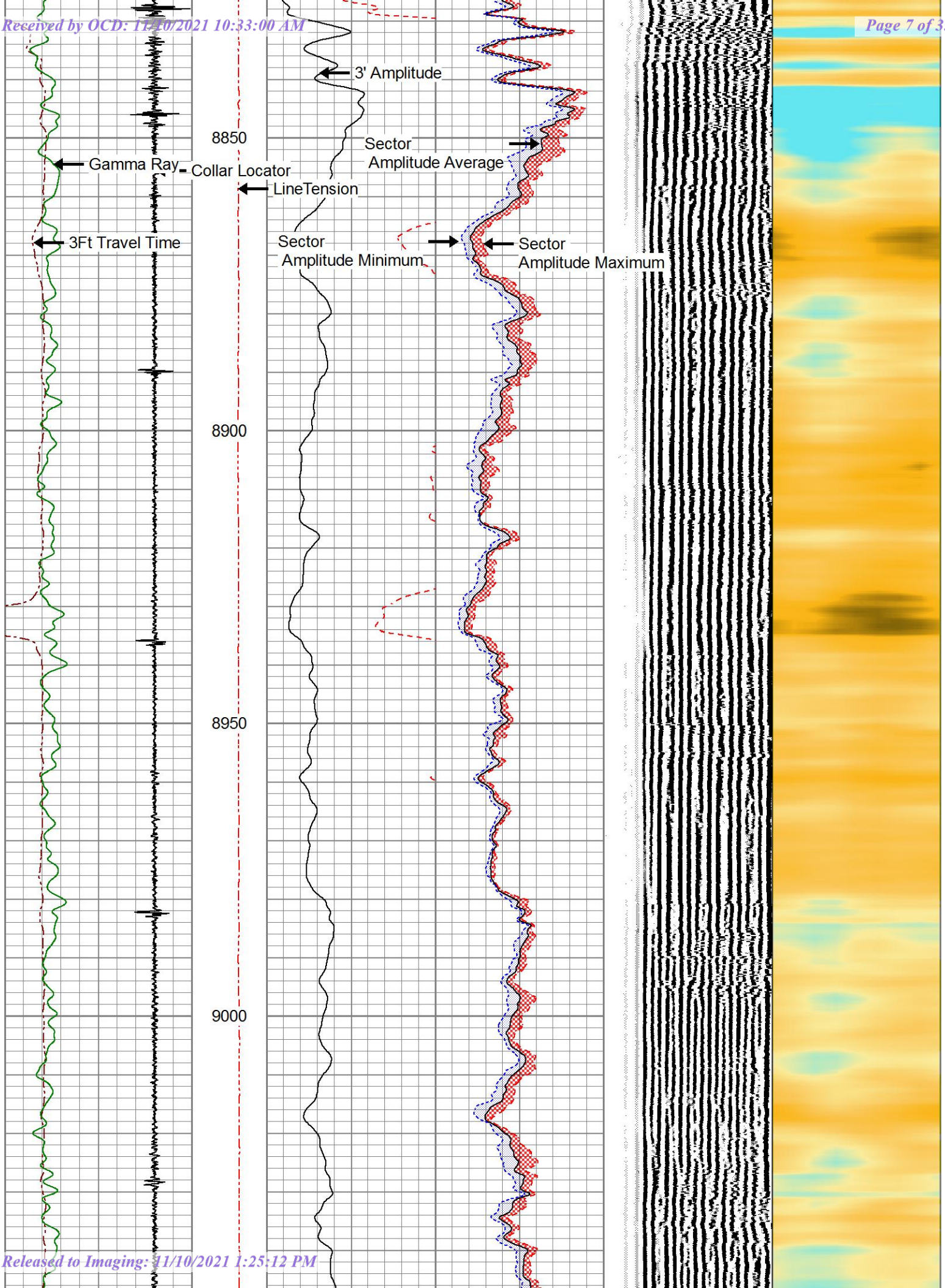
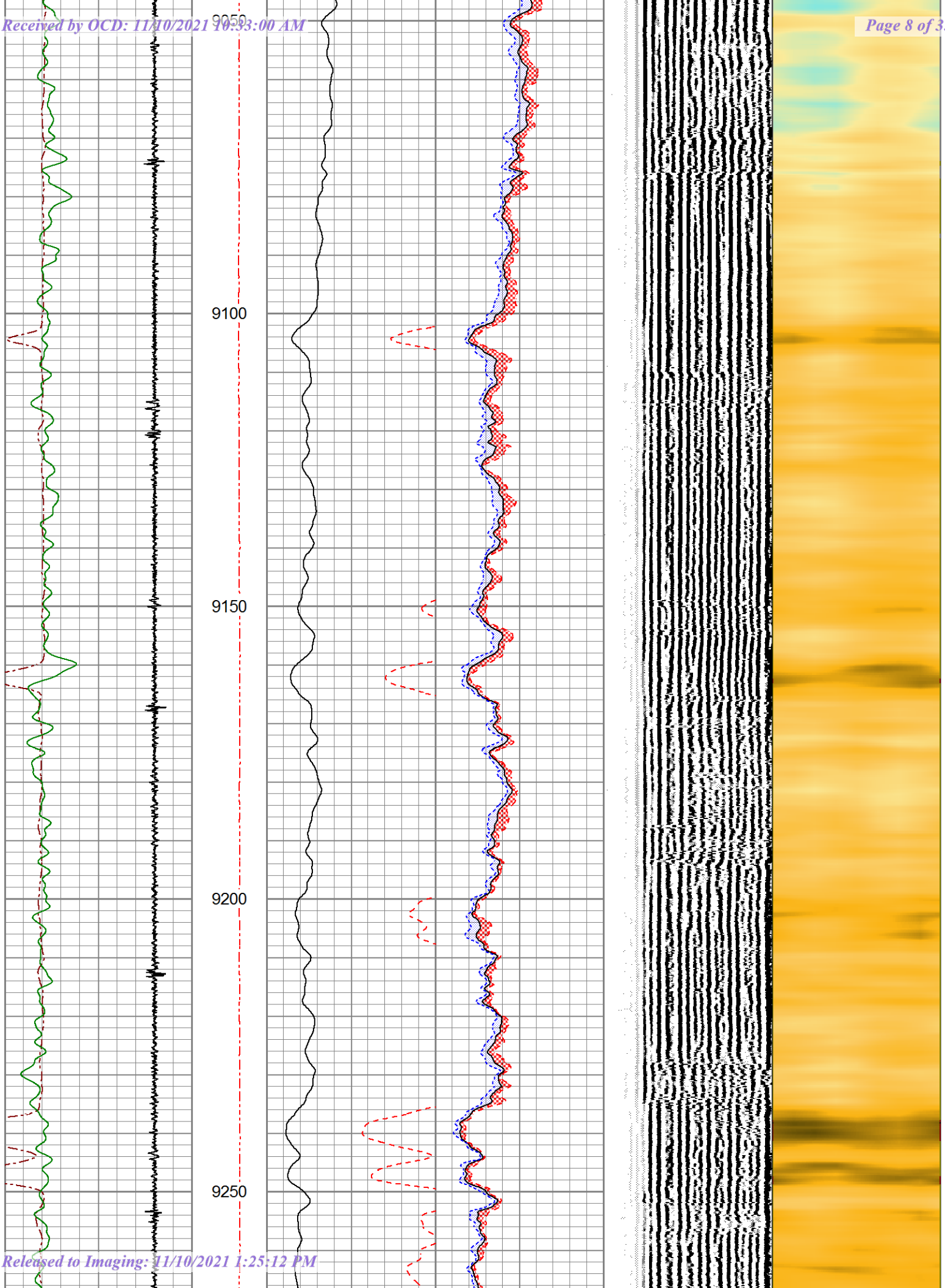
MAIN LOG

1000 PSI APPLIED AT SURFACE

Database File	matador_bobby watts fed swd #1.db
Dataset Pathname	pass9
Presentation Format	pinr_scbl
Dataset Creation	Wed Sep 22 07:20:53 2021
Charted by	Depth in Feet scaled 1:240




3' Amplitude
8850
Sector
Amplitude Average
Gamma Ray
Collar Locator
LineTension
3Ft Travel Time
Sector
Amplitude Minimum
Sector
Amplitude Maximum
8900
8950
9000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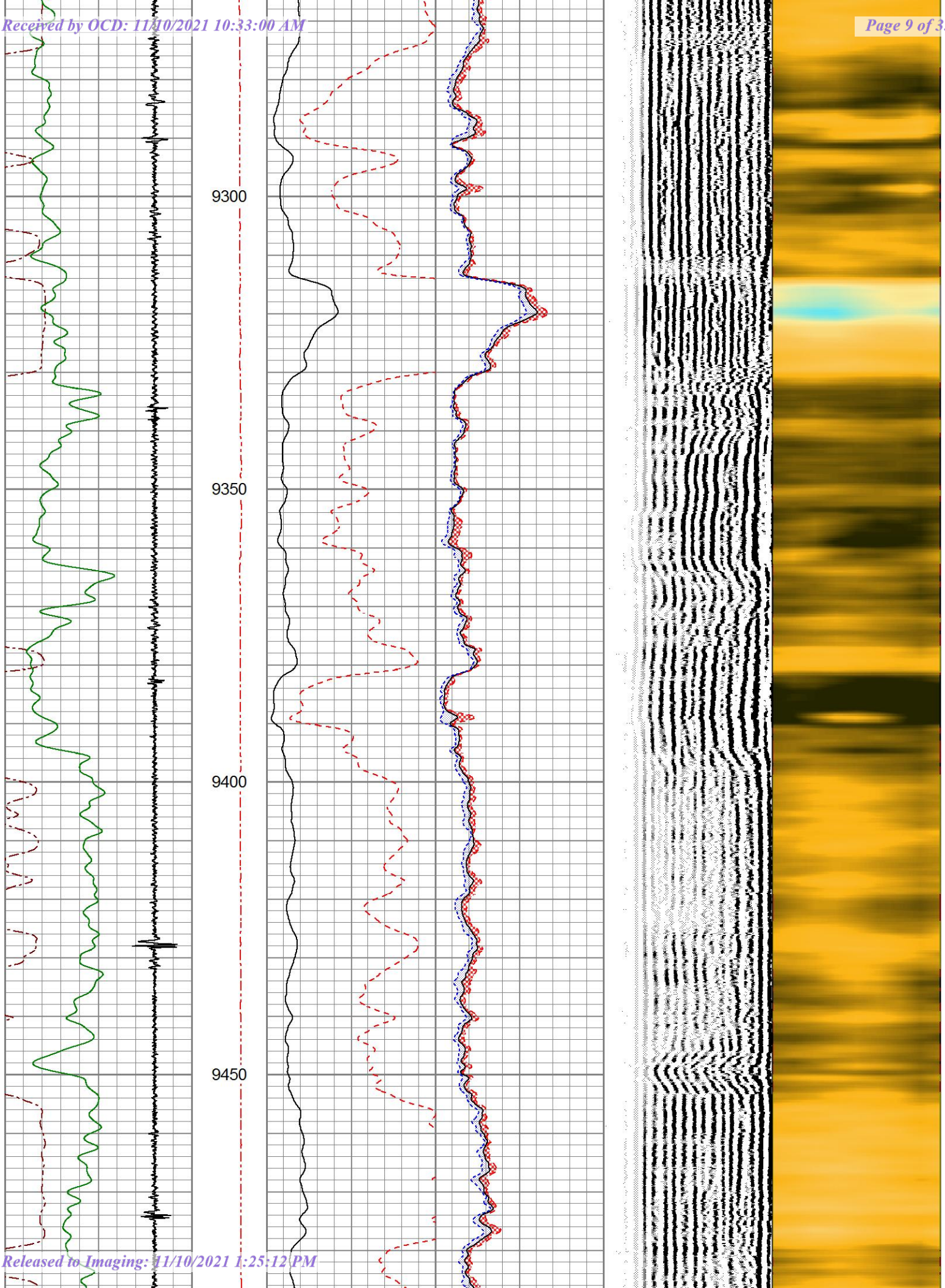
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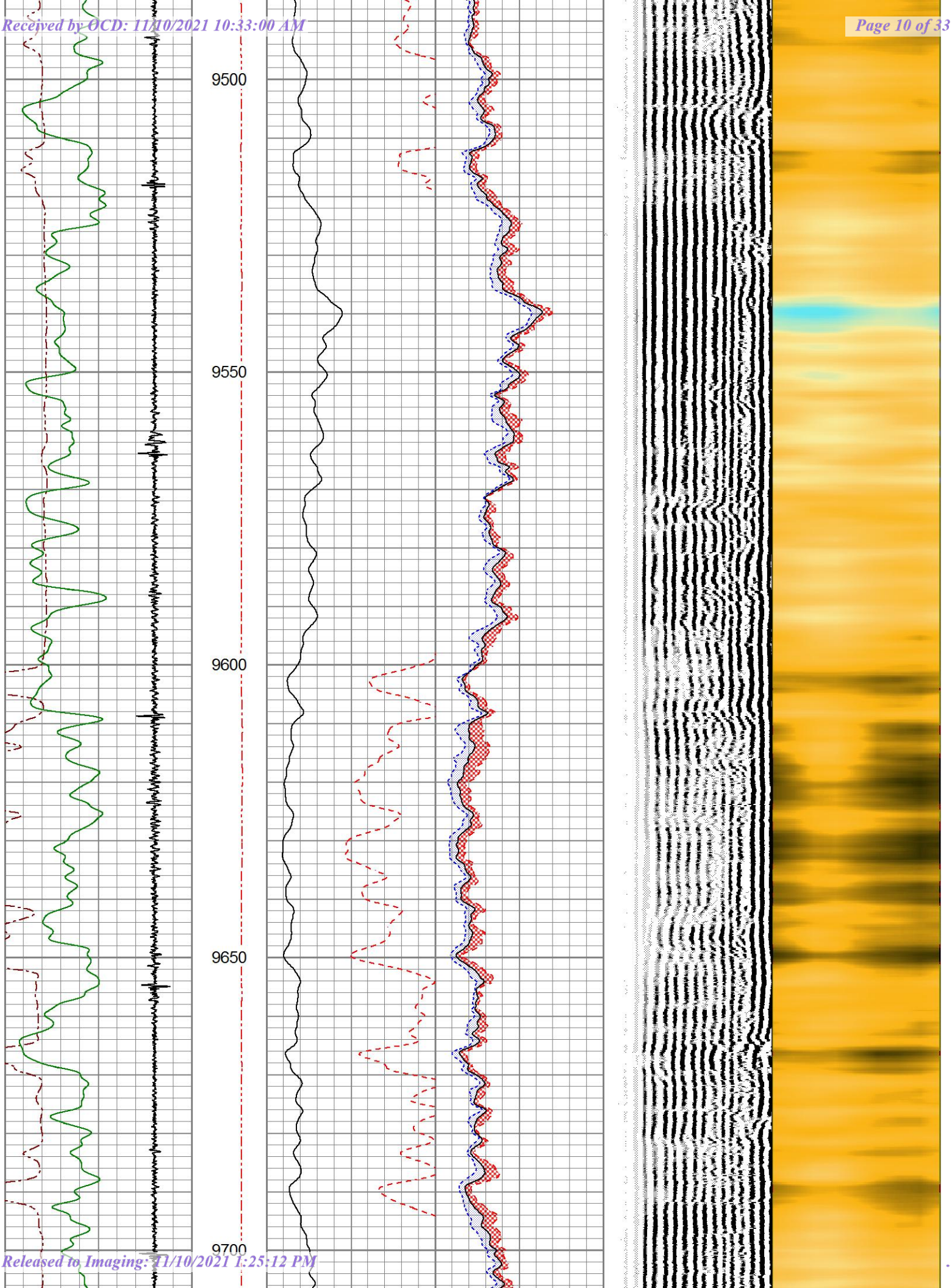
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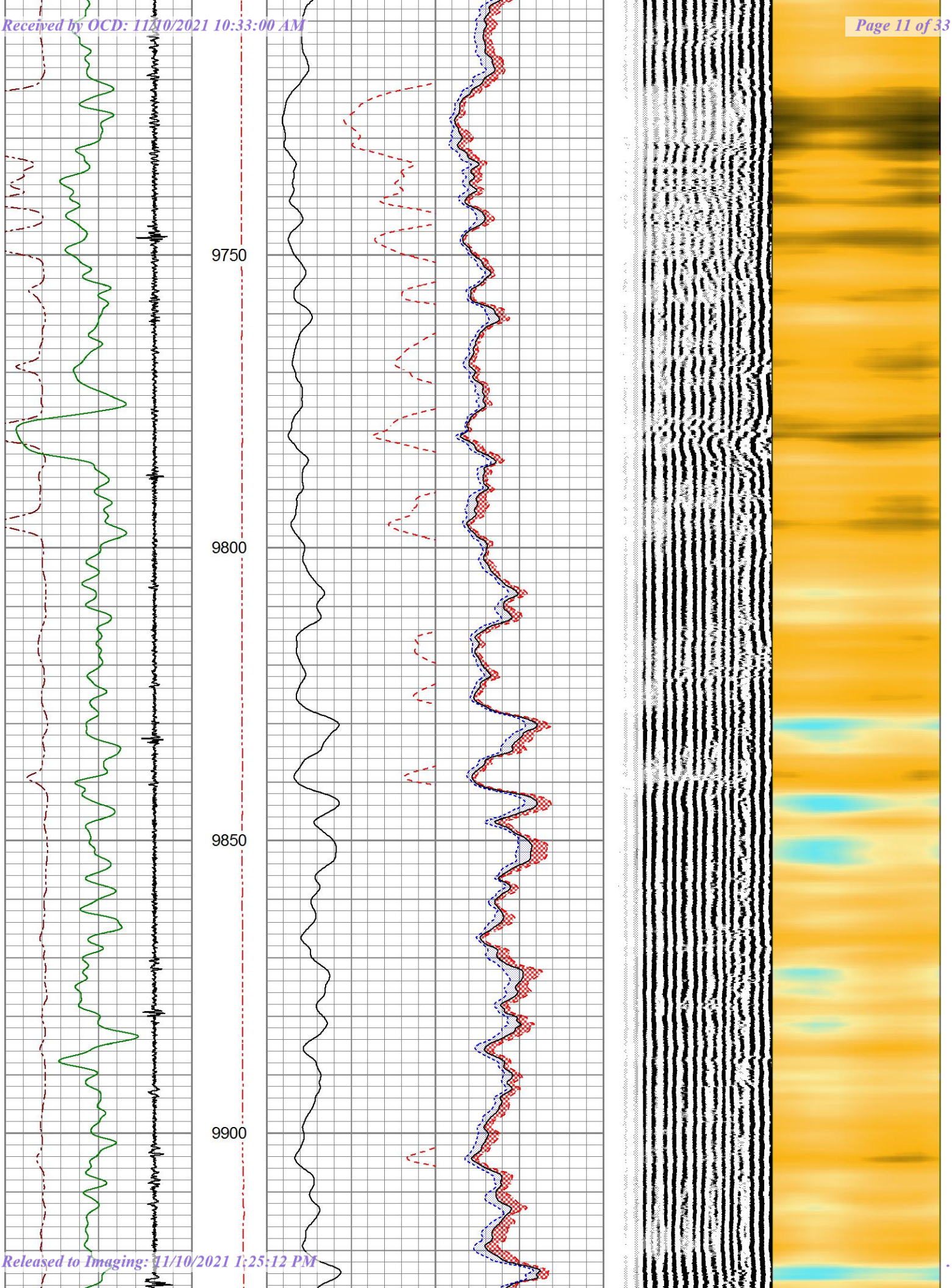
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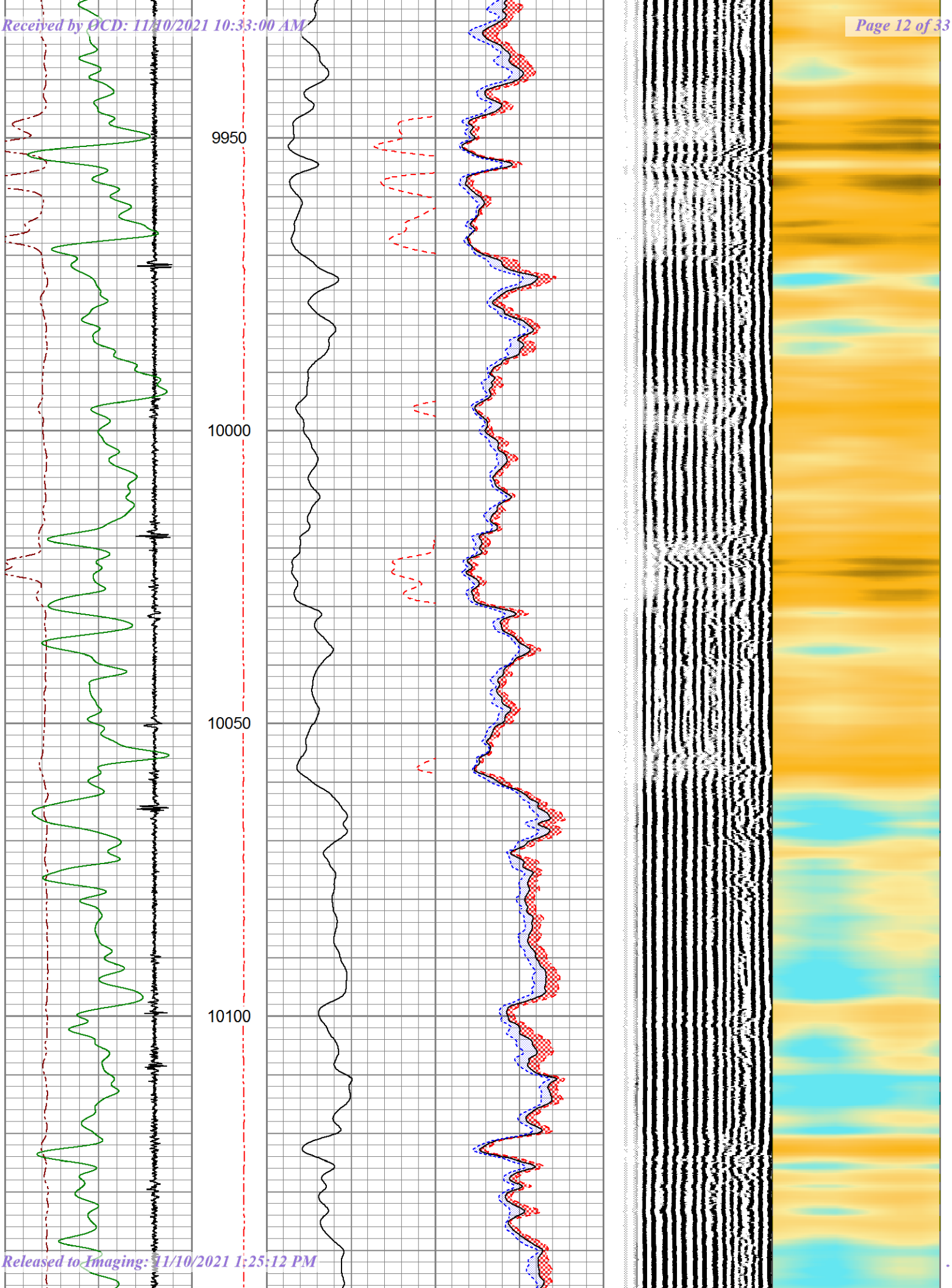
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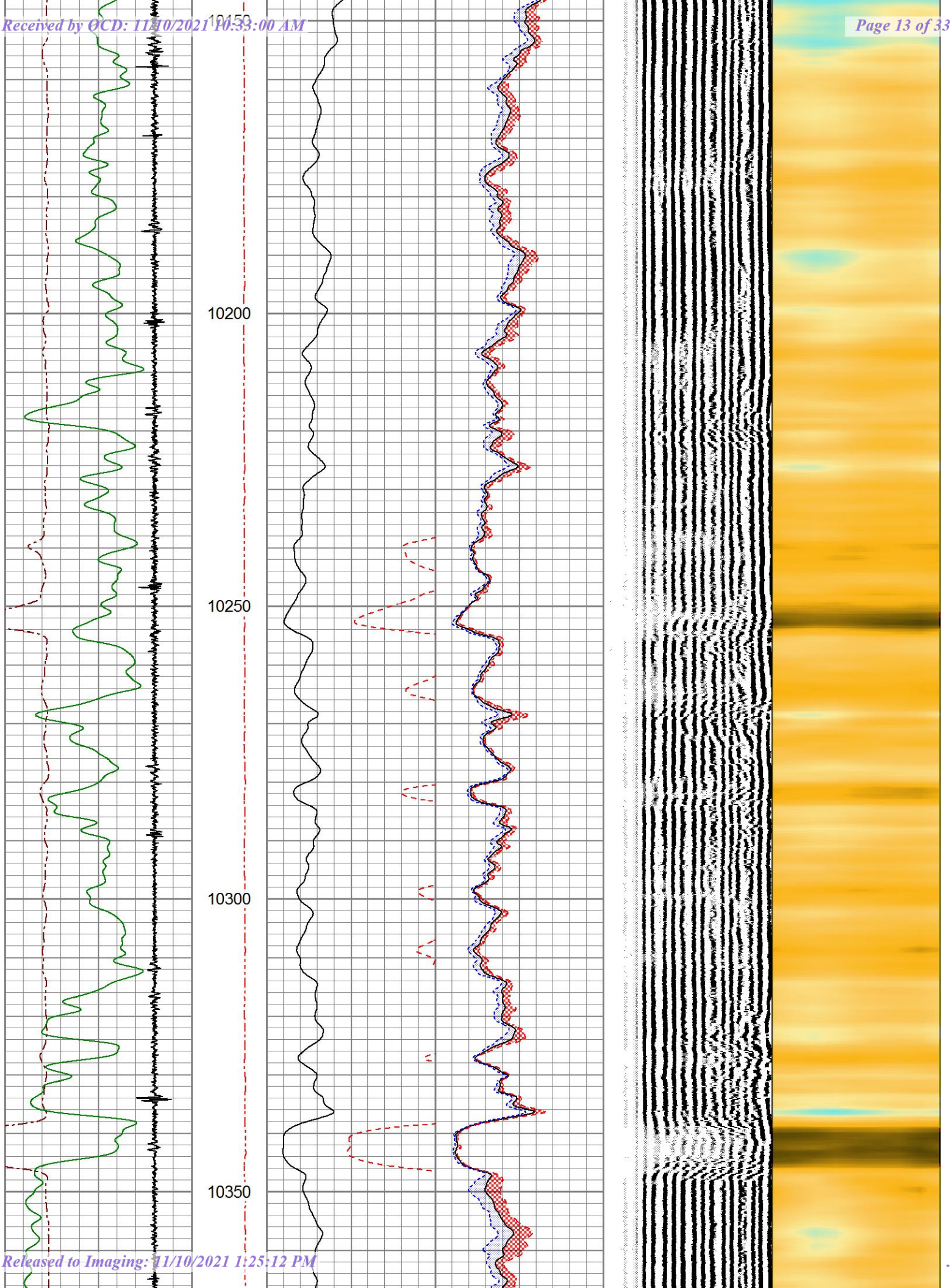
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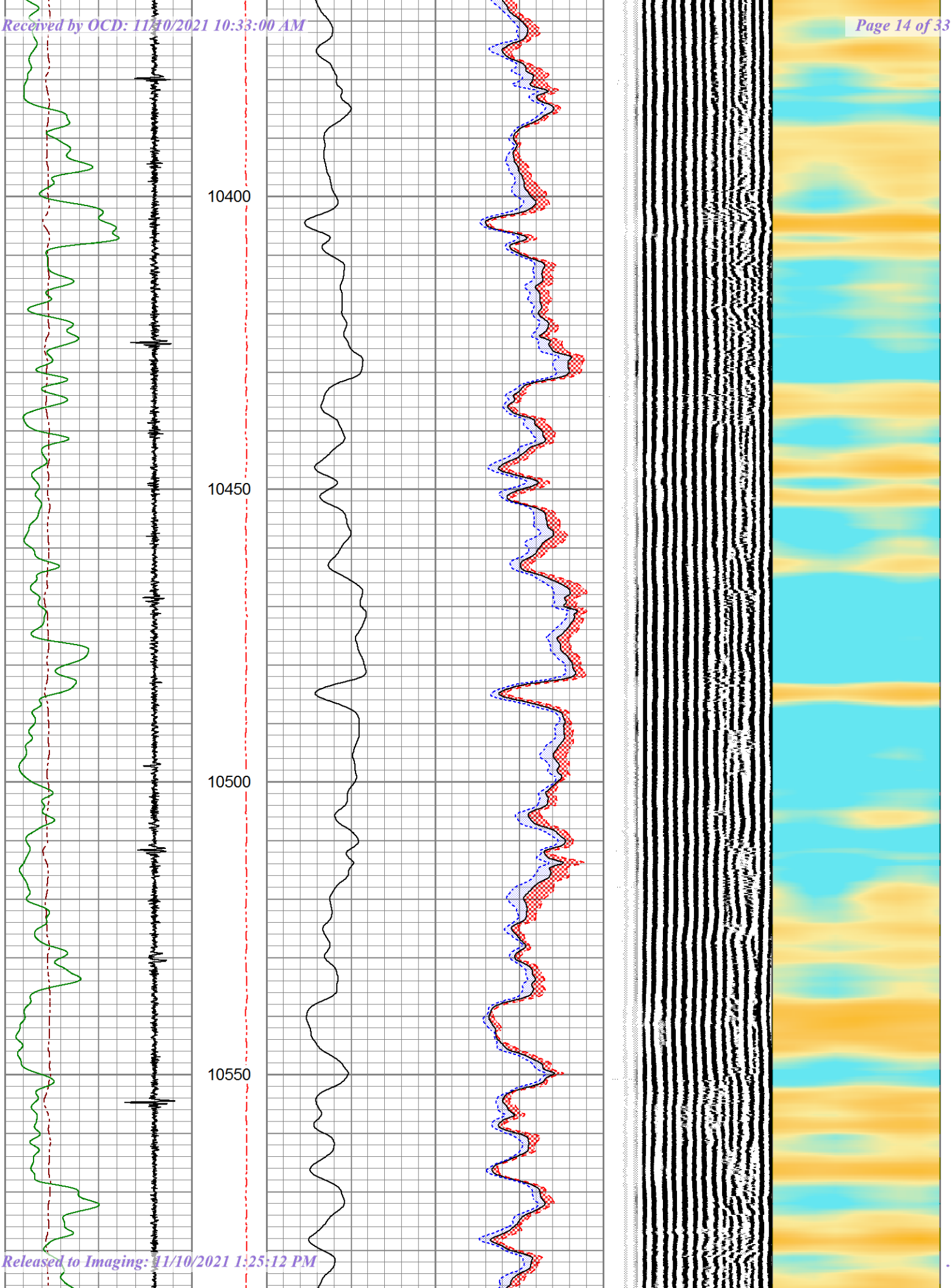
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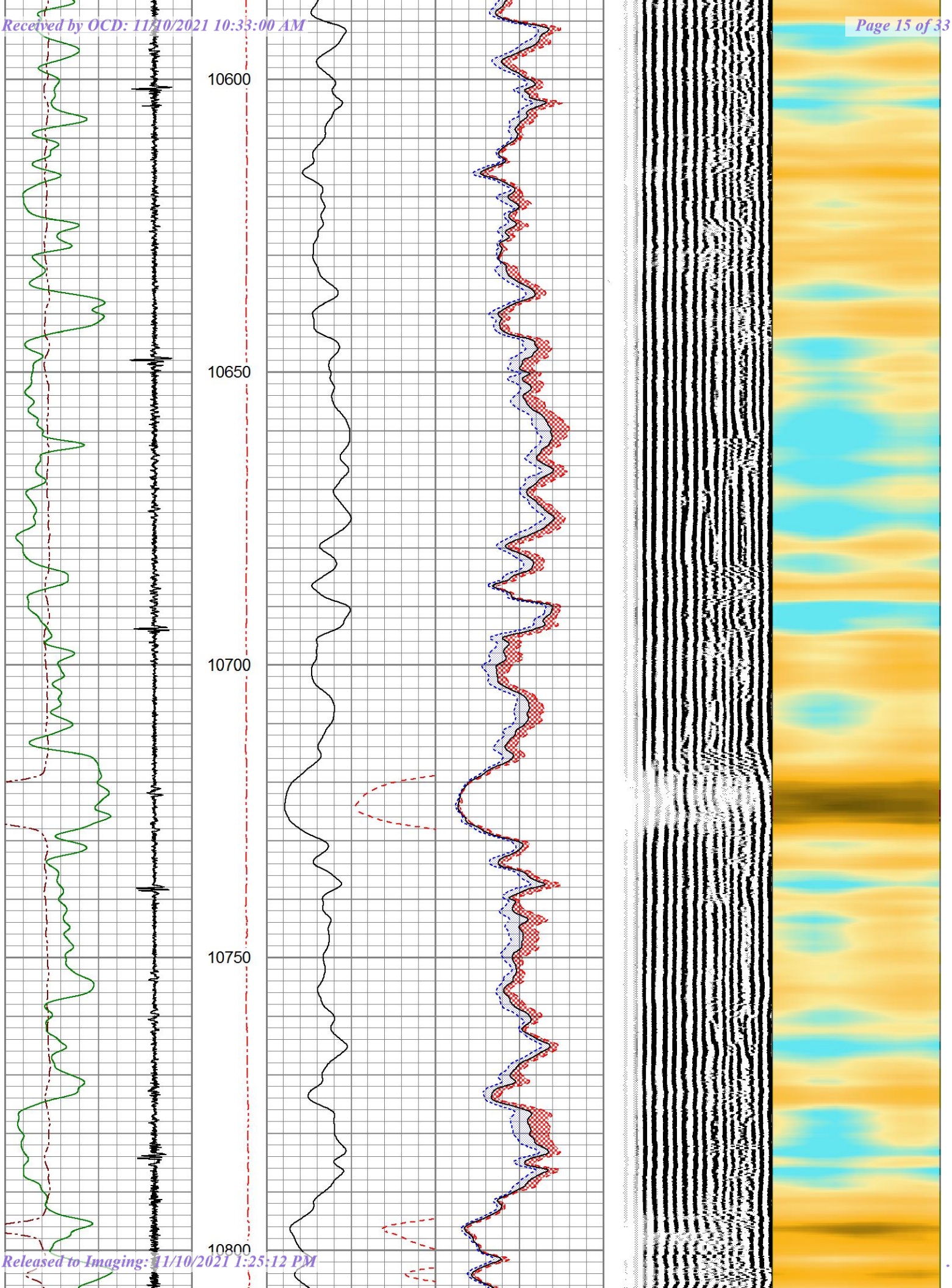
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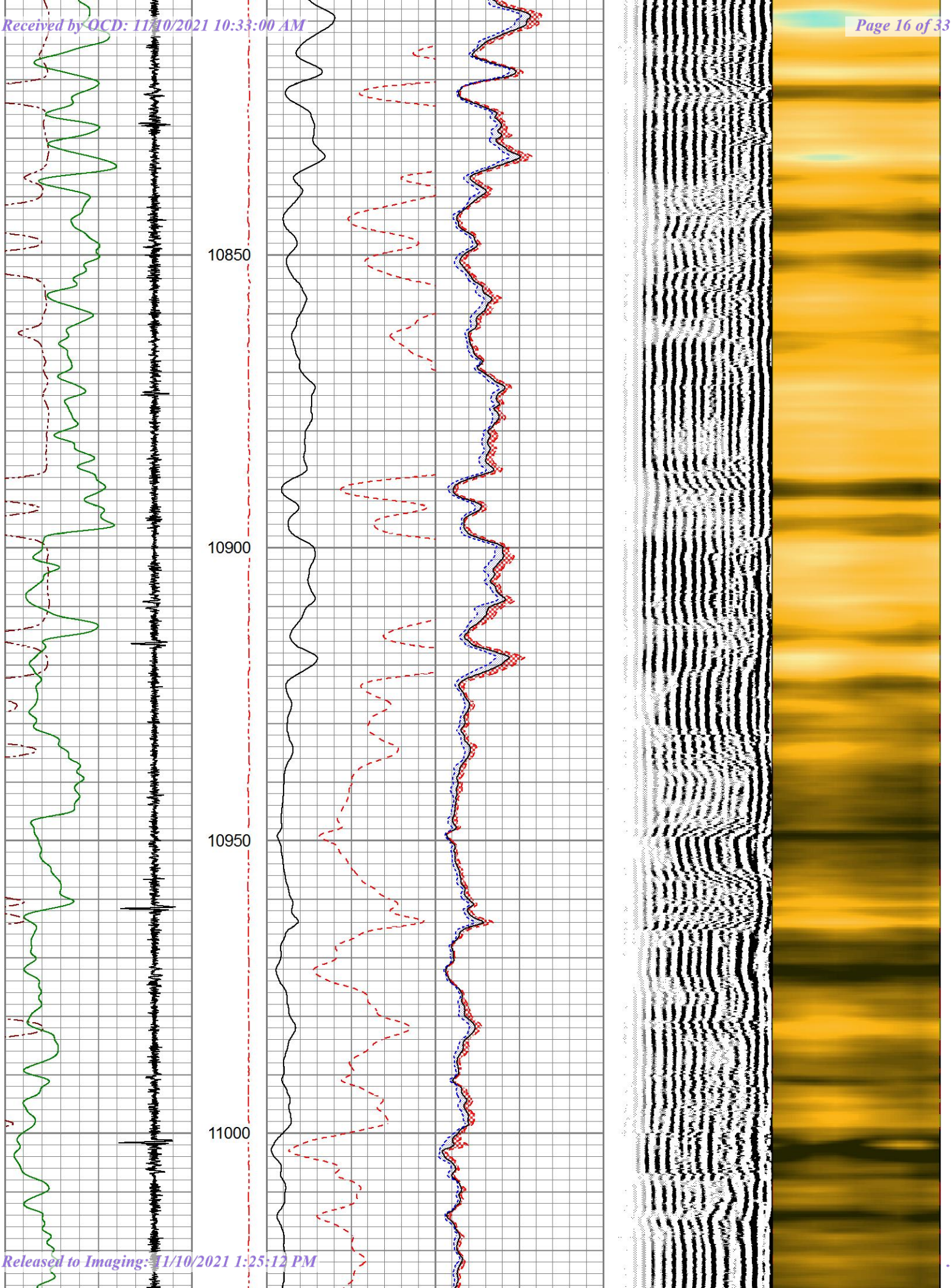
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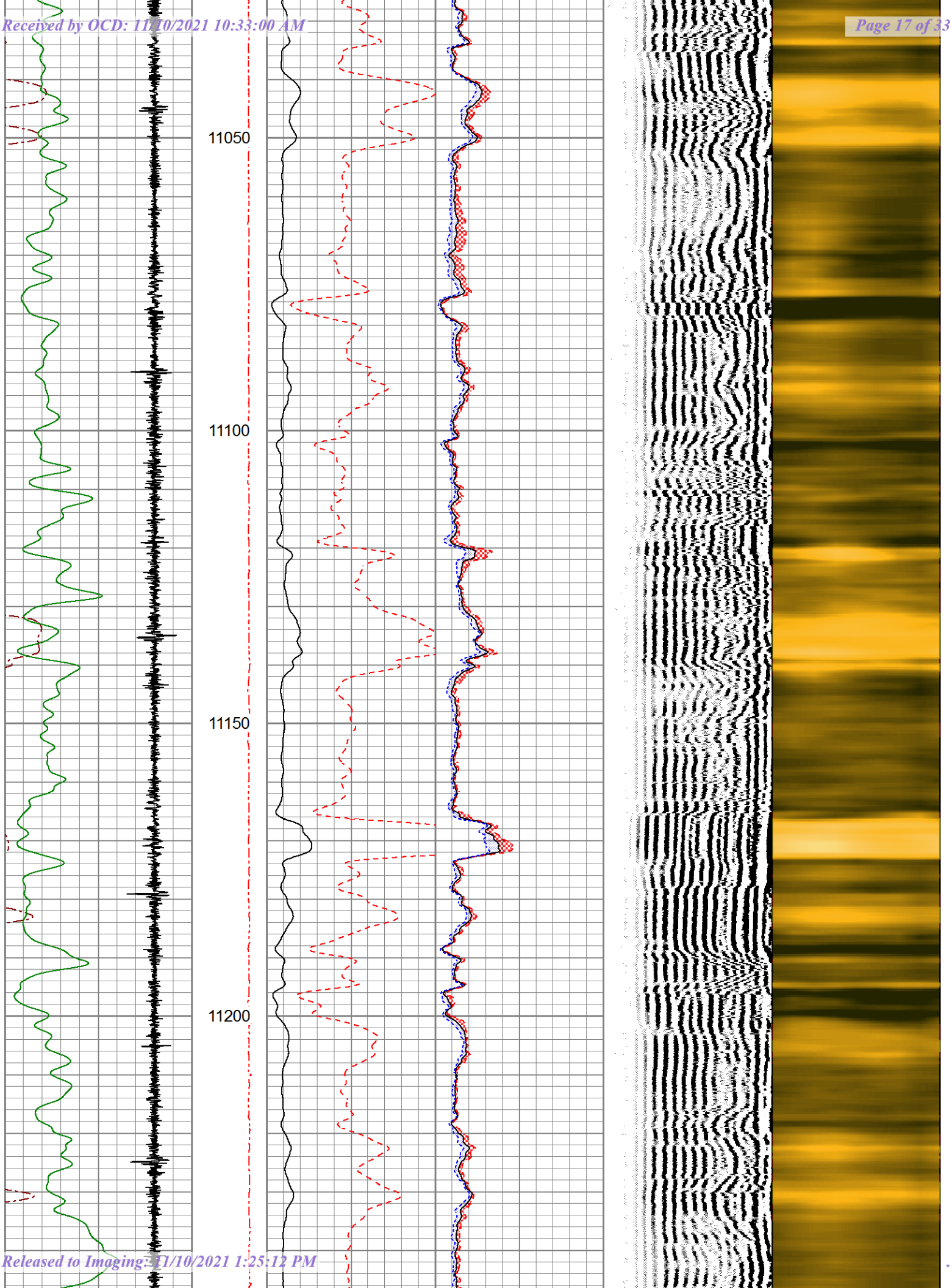

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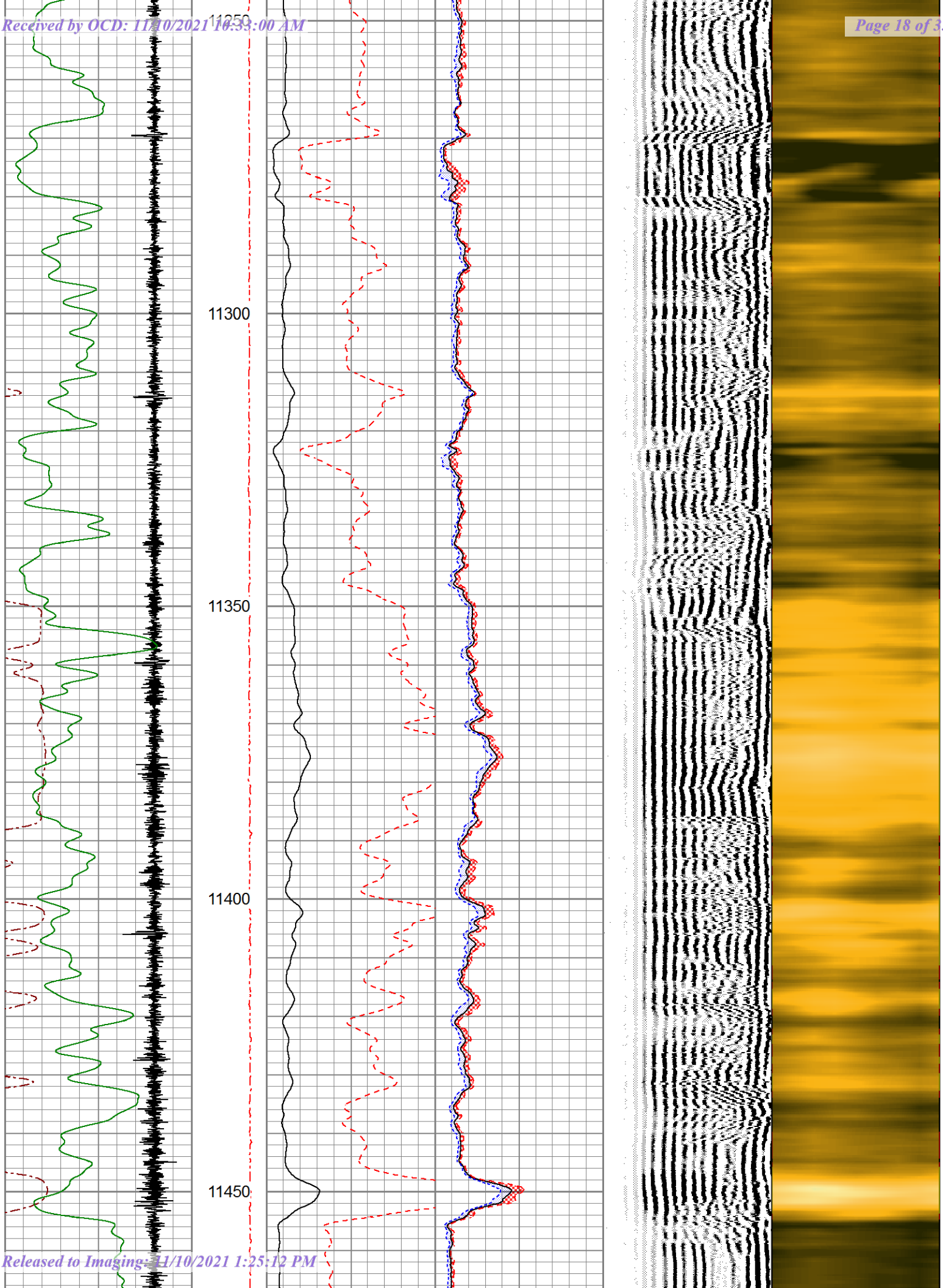
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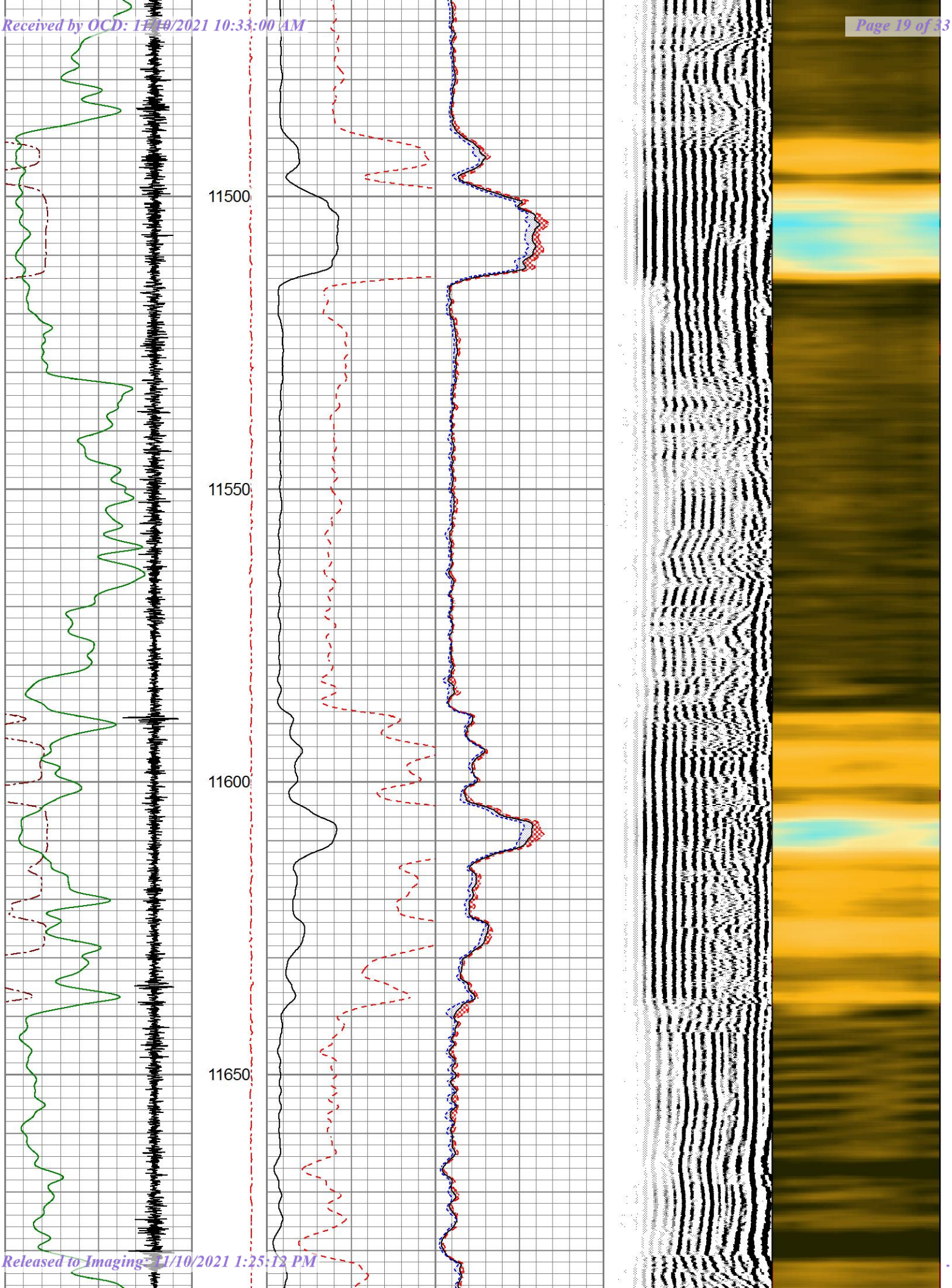
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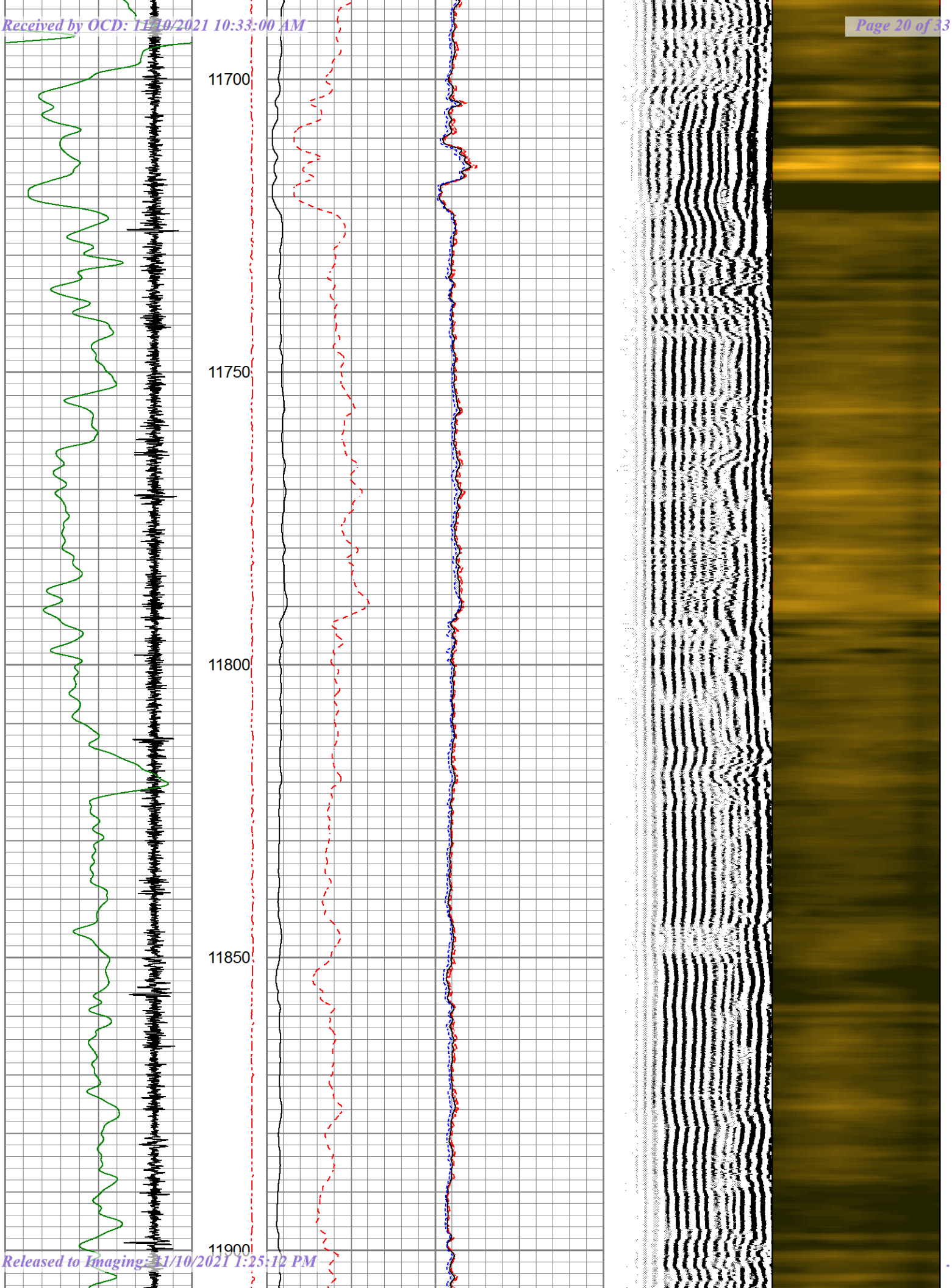
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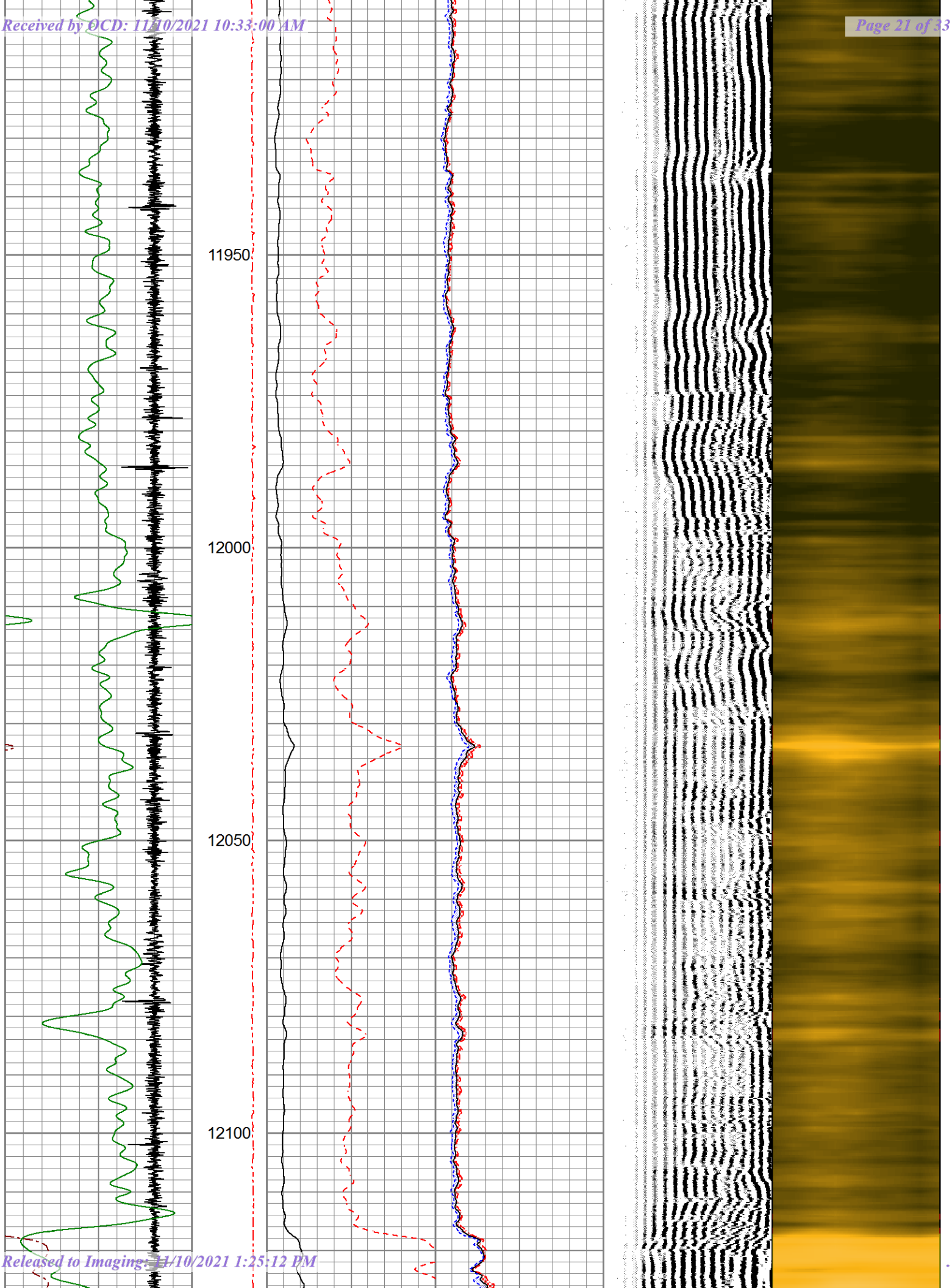
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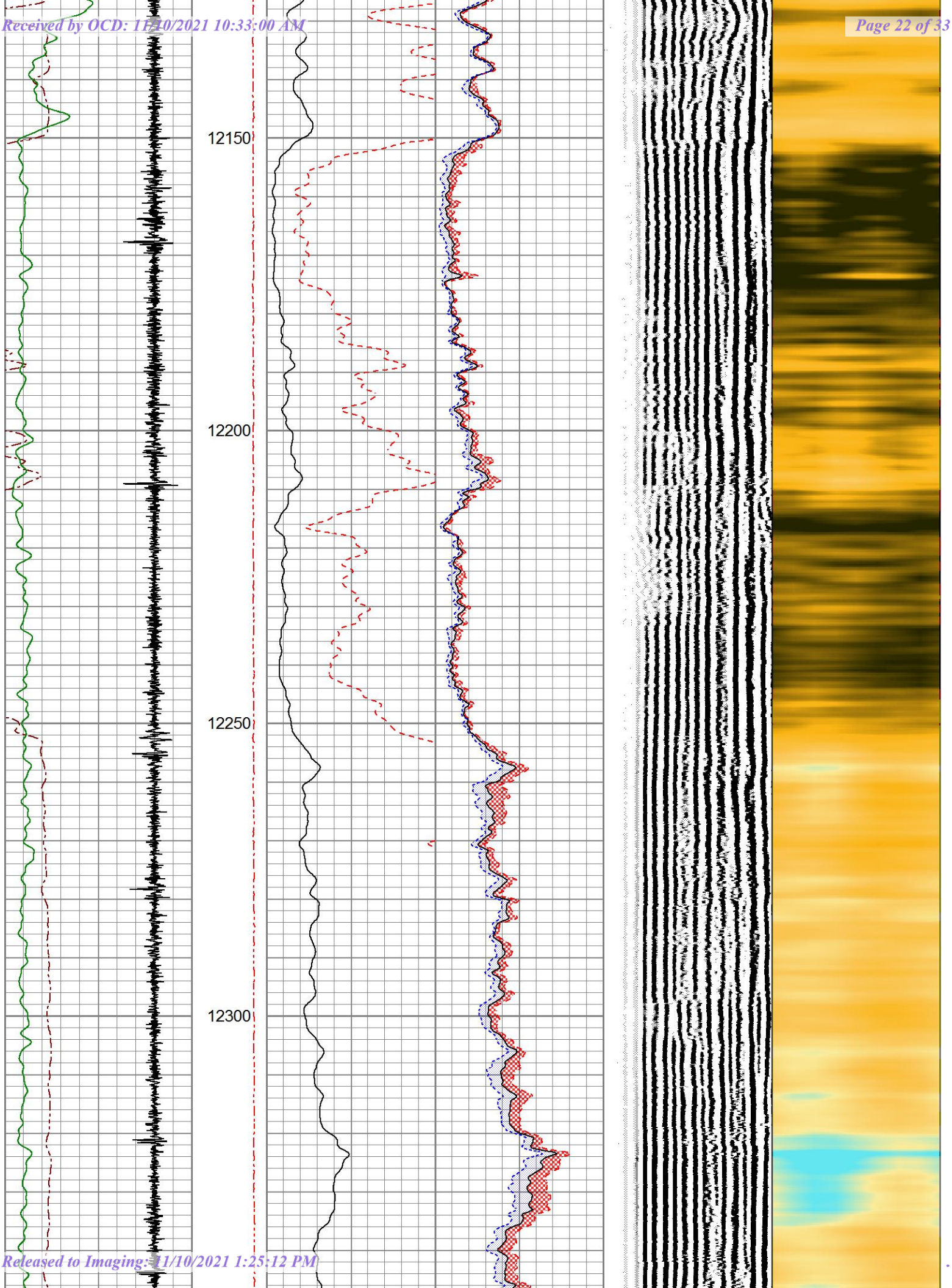
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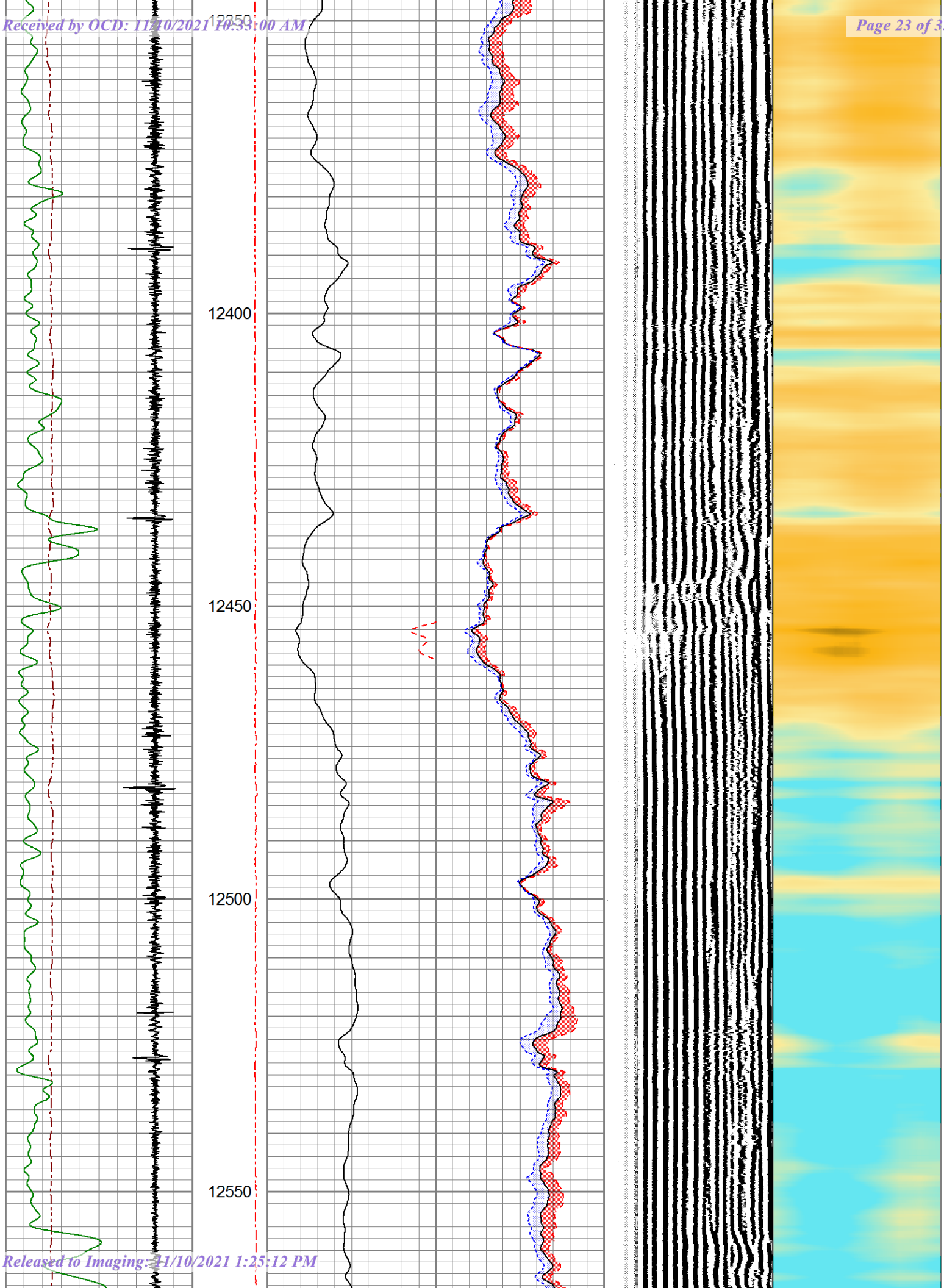
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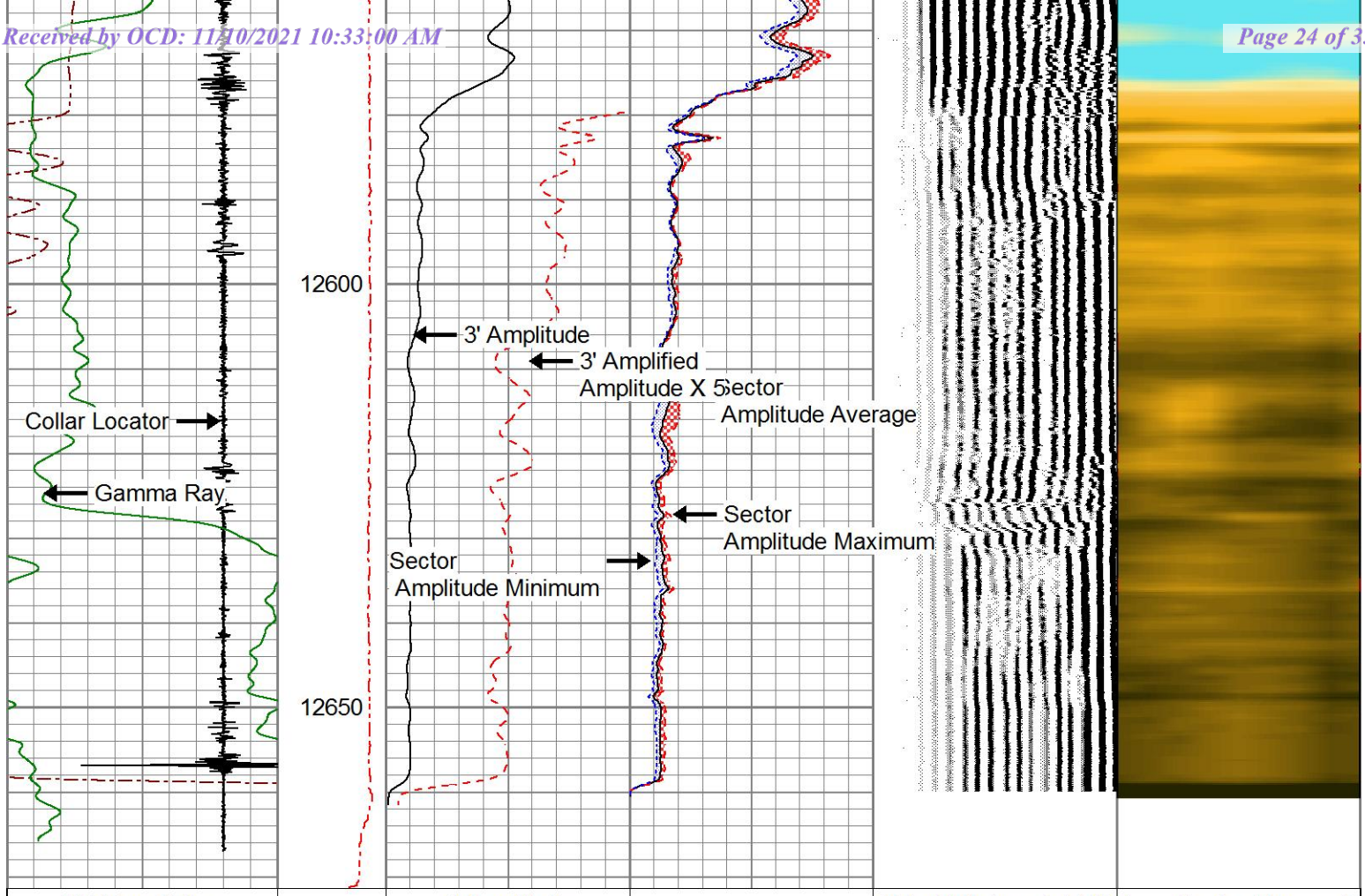
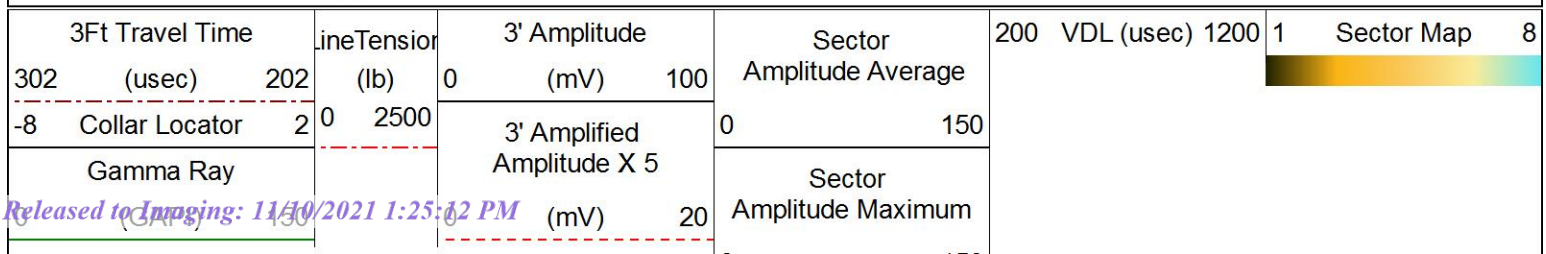


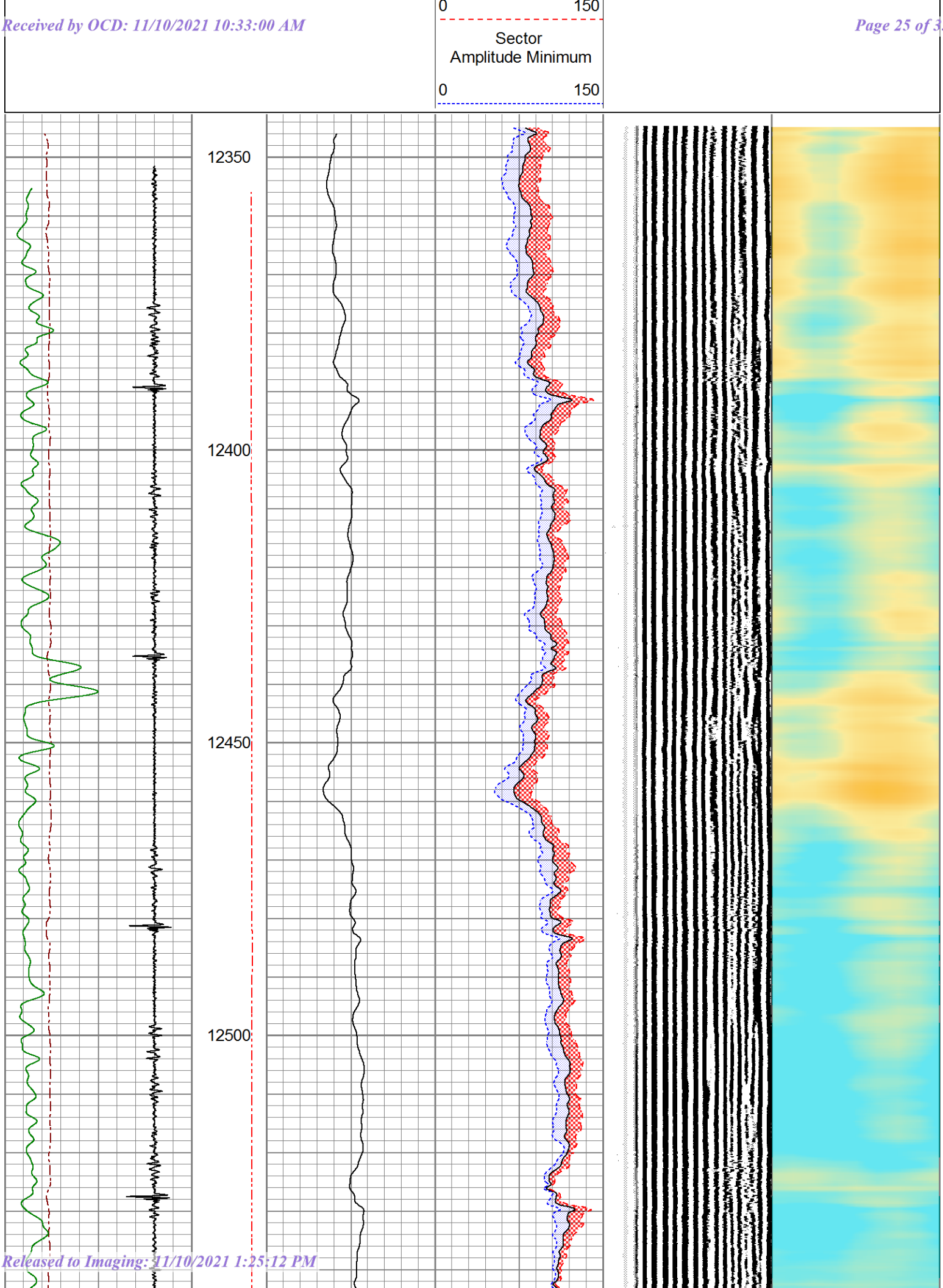
PIONEER
Pioneer Energy Services

REPEAT SECTION

0 PSI APPLIED AT SURFACE

Database File	matador_bobby watts fed swd #1.db
Dataset Pathname	pass7
Presentation Format	pinr_scbl
Dataset Creation	Wed Sep 22 04:56:10 2021
Charted by	Depth in Feet scaled 1:240

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Sector
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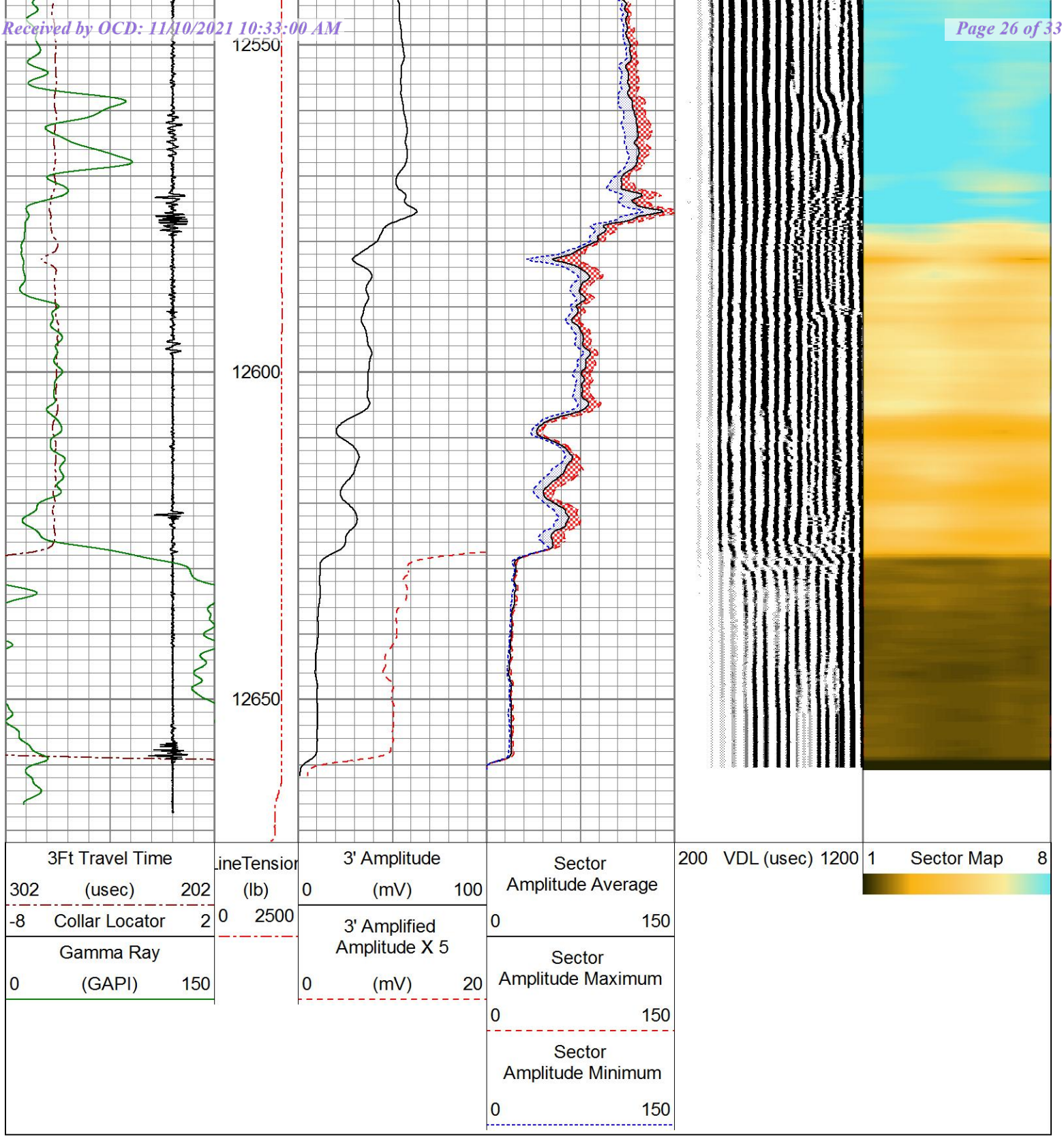

Calibration Report

Database File	matador_bobby watts fed swd #1.db
Dataset Pathname	pass9
Dataset Creation	Wed Sep 22 07:20:53 2021

Gamma Ray Calibration Report

Serial Number:	120415	
Tool Model:	275_6-PIN	
Performed:	Thu Aug 05 12:48:58 2021	
Calibrator Value:	1.0	GAPI

Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.8000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	070230	
Tool Model:	RBL-DCT	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	8865.015	ft

Master Calibration, performed Wed Sep 22 04:34:49 2021:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	0.938	1.000	59.000	61.824	1.000
CAL	0.000	1.743				
5'	0.000	0.768	1.000	59.000	75.535	1.000
SUM						
S1	0.000	0.838	0.000	100.000	119.389	0.000
S2	0.000	0.835	0.000	100.000	119.714	0.000
S3	0.000	0.828	0.000	100.000	120.828	0.000
S4	0.000	0.877	0.000	100.000	114.071	0.000
S5	0.000	0.980	0.000	100.000	102.056	0.000
S6	0.000	1.030	0.000	100.000	97.116	0.000
S7	0.000	1.014	0.000	100.000	98.649	0.000
S8	0.000	0.923	0.000	100.000	108.350	0.000

Air Zero Calibration, performed Wed Sep 22 03:09:04 2021:

	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:	070230	
Tool Model:	RBL-DCT	
Performed:	(Not Performed)	

	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

PIONEER
Pioneer Energy Services

Company	SAN MATEO MIDSTREAM		
Well	BOBBY WATTS FEDERAL SWD #1		
Field	DEVONIAN		
County	EDDY		
State	NEW MEXICO	Country	

Submit 1 Copy To Appropriate District 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

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-015-48885	
5. Indicate Type of Lease STATE ☐ FEE ☐	
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 Bobby Watts Federal SWD
1. Type of Well: Oil Well ☐ Gas Well ☐ Other SWD	8. Well Number 001
2. Name of Operator San Mateo Stebbins Water Management LLC	9. OGRID Number 328762
3. Address of Operator 5400 LBJ Freeway Ste 1500 Dallas Texas 75240	10. Pool name or Wildcat 96101, Devonian
4. Well Location Unit Letter F : 1944 feet from the North line and 2230 feet from the West line Section 30 Township 20S Range 29E NMPM County Eddy	
	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3234

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 ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER:	Witnessed SWD MIT ☒

11/10/21: Dan Smolik, NMOCD Inspector, directly witnessed a passing MIT to 370 psi for 30 minutes. A copy of the chart and MIT witness form is attached.

Spud Date: 08/18/2021 Rig Release Date: 09/28/2021

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

SIGNATURE Trisha Inurrigarro TITLE Contract Administrator DATE 11/10/2021

Type or print name Trisha Inurrigarro E-mail address: tinurrigarro@sanmateomidstream.com PHONE: 972-629-2174

For State Use Only

APPROVED BY: John Garcia TITLE Petroleum Engineer DATE 11/10/2021

Conditions of Approval (if any):

Bobby Watts SWD #1

API: 30-015-48885

Location: 30-20S-29E

Passing MIT 11/10/21

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Secretary

Adrienne Sandoval, Division Director
Oil Conservation Division

Date: 11-10-21

API# 30-015-48885

A **Mechanical Integrity Test (M.I.T.)** was performed on, **Well** Bobby Watts Fed SWD #1

__ M.I.T. **is successful,** the original chart has been retained by the Operator on site. Send a **legible** scan of the chart with an attached **Original C-103 Form** indicating reason for the test, via post mail to District NMOCD field office. A scanned image will appear online via NMOCD website, www.emnrd.state.nm.us/ocd/OCDOnline.htm 7 to 10 days after postdating.

____ M.I.T. **is unsuccessful**, the original chart is returned to the Operator. Repairs will be made; Operator is to schedule for a re-test within a 90-day period. If this is a test of a repaired well currently in non-compliance, all dates and requirements of the original are still in effect.
No expectation of extension should be construed because of this test.

____ M.I.T. **for Temporary Abandonment**, shall include a detailed description on **Form C-103**, including the location of the CIBP and any other tubular goods in the well including the Operator's request for TA status timeline.

X M.I.T. **is successful**, after the secondary request of a scheduled M.I.T. is performed. Therefore, Operator has within a 30-day period from the M.I.T. to submit a current C-103 along with a legible scan of the Chart, including a detailed description of the repair(s). ***Only after receipt of the C-103 will the non-compliance be closed.***

____M.I.T **is successful**, Initial of an injection well, you must submit a **form C-103** to NMOCD within 30 days. A **C-103 form** must include a detailed description of the work performed on this well Including the position of the packer, tubing Information, the date of first Injection, the tubing pressure and Injection volume.

Please contact me for verification to ensure documentation requirements are in place prior to injection process.

If I can be of additional assistance, please feel free to contact me at (575) 626-0836

Thank You,

Dan Smolik, Compliance Officer
EMNRD-O.C.D.
District II – Artesia, NM

1220 South St. Francis Drive • Santa Fe, New Mexico 87505
Phone (505) 476-3460 • Fax (505) 476-3462 • www.emnrd.state.nm.us/ocd

Bobby Watts Fed SWD #1

Geoscience Requirements:

Formation Tops

Top	MD
Cherry Canyon	3236
Brushy Canyon	3966
Bone Spring Lime	5722
Avalon Shale	5986
First Bone Spring Sand	6885
Second Bone Spring Sand	7587
Third Bone Spring Sand	8837
Wolfcamp	9161
Penn Shale	9954
Strawn	10344
Atoka	10712
Morrow	11062
Mississippi Lime	12110
Woodford	12620
Devonian	12696

Important Notes:

Casing shoe is at 12,710'

Entire open hole interval from 12,710'-13,663' is in the Devonian

Insitu Water Salinity

Estimated at 15,000 ppm based upon offset water samples

Mudlog (Attached)

No hydrocarbon shows over the disposed interval

Open Hole Logs (Attached)

Porosity and resistivity logs show hydrocarbons cannot be produced in paying quantities

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

CONDITIONS

Action 61147

CONDITIONS

Operator: San Mateo Stebbins Water Management, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 328762
	Action Number: 61147
	Action Type: [C-103] Sub. General Sundry (C-103Z)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	Submit all drilling and spud sundries to OCD ASAP.	11/10/2021