

Lechuza Federal #1
30-025-31495

nAPP2522355695
Date of Release: 8/8/2025

The volume of fluid released on location was determined by the volume of the fluid that was in the work tank for the P&A rig. 52 bbls fresh water/3 bbls oil was released.

The pit tank for the workover rig was monitored and known when the tank failure occurred.

All fluids were immediately sucked up with a vac truck that was on standby near location.

Pit Tank for Workover Rig

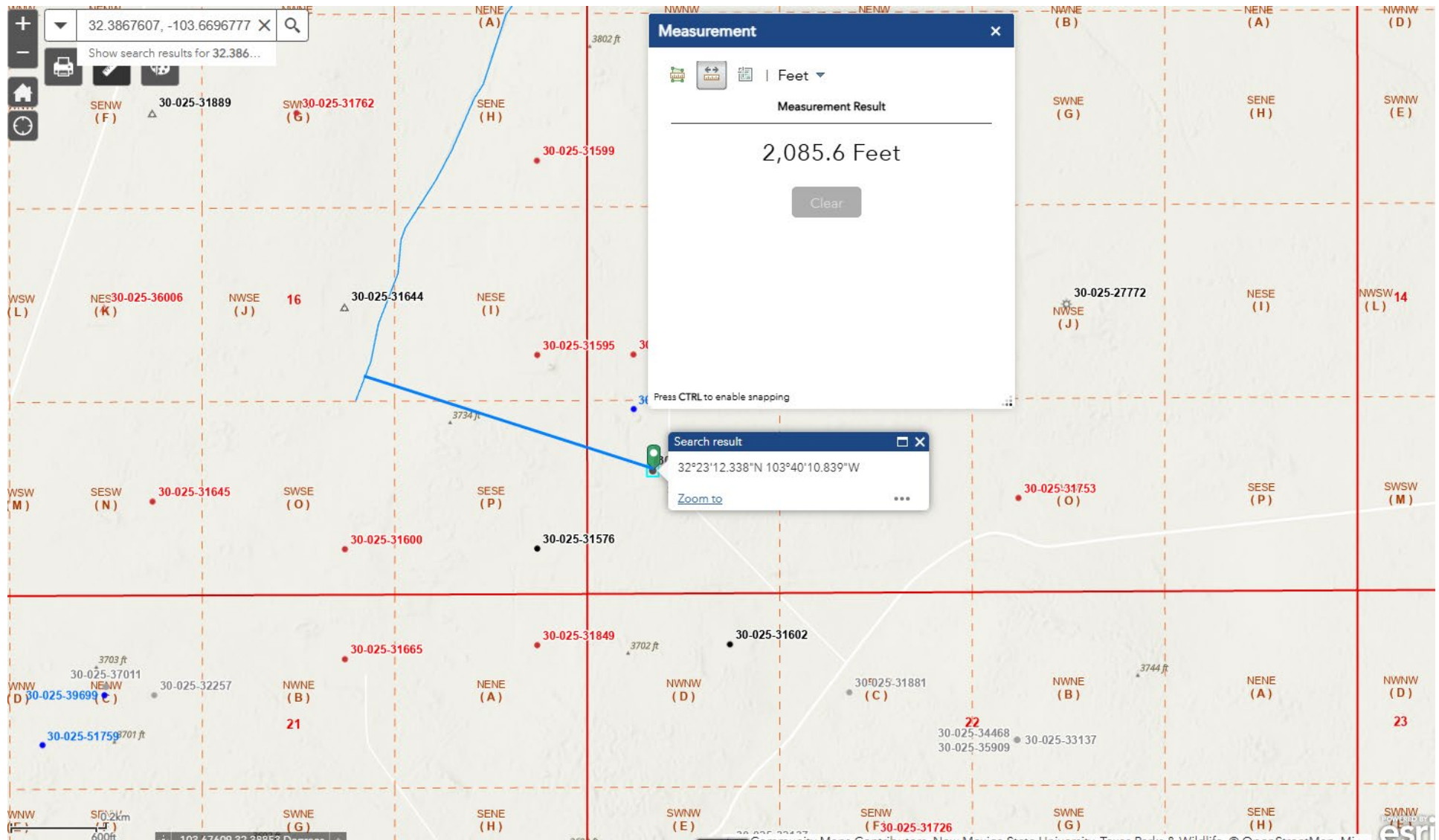
Total Volume capacity of Rig = 100 bbls

Total Volume prior to Release = 55 bbls

Total Volume after the Release = 0 bbls

NOR completed on 8/11/2025 showed produced water. This was a misunderstanding on my part. If you have any questions, you can contact me at 575-622-1127 ext. 13 or by email at rfresquez@stratanm.com.

Stream# 129746 is 2085.6 feet from site. Area showed no signs of surface water.



Lechuza Federal #1
API# 30-025-31495

Grid and Sample

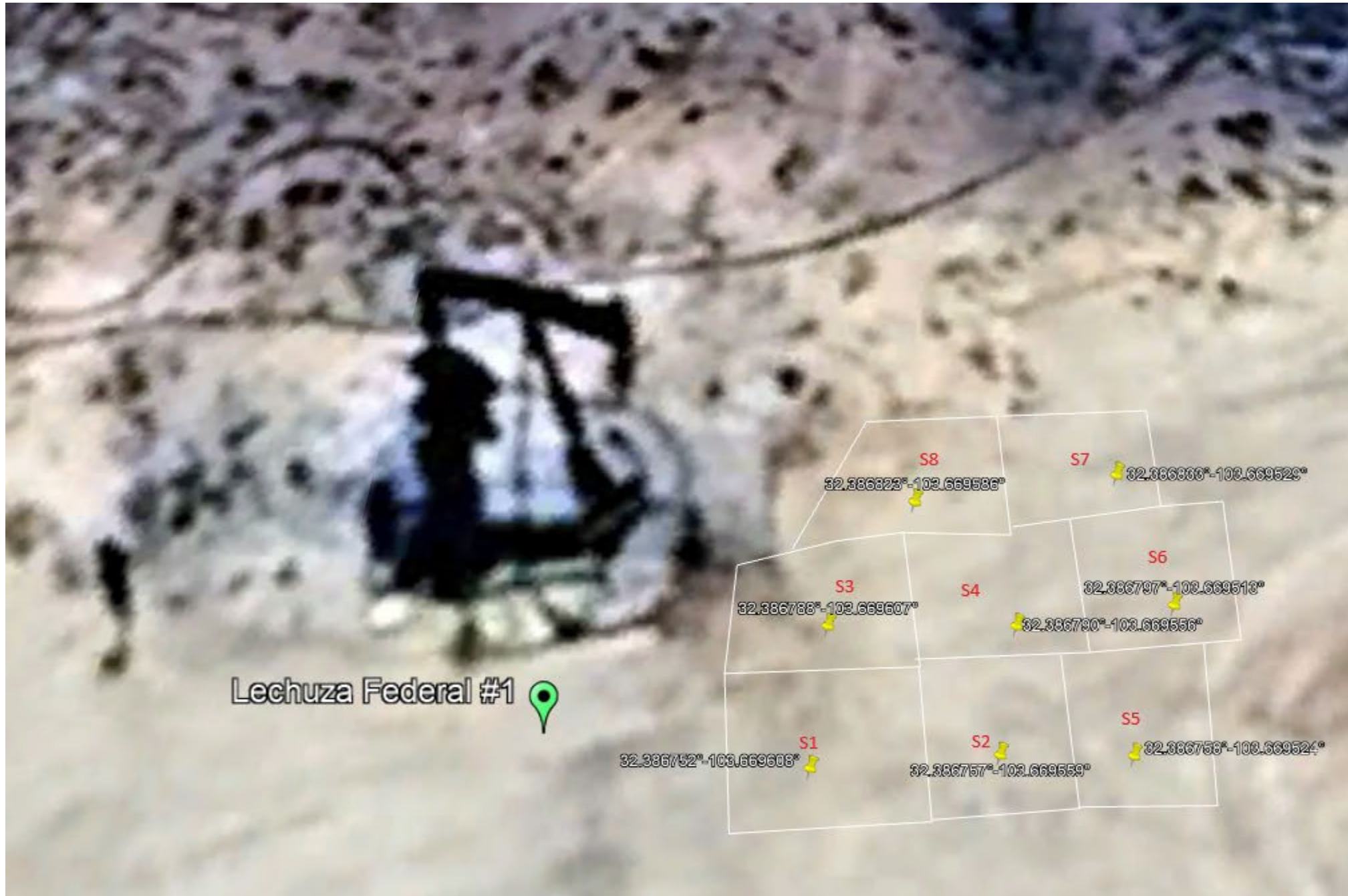


Lechuza Federal #1
API# 30-025-31495

Grid Latitude and longitude



Lechuza Federal #1
API# 30-025-31495



Lechuza Federal #1
API# 30-025-31495

S1	32.386752°	-103.669608°
S2	32.386757°	-103.669559°
S3	32.386788°	-103.669607°
S4	32.386790°	-103.669556°
S5	32.386758°	-103.669524°
S6	32.386797°	-103.669513°
S7	32.386833°	-103.669529°
S8	32.386823°	-103.669586°



Lechuza Federal #1
API# 30-025-31495
Sample Data Tables

9/2/25 - Initial Results and Delineation of Contamination							
Sample Point	Depth	BTEX	Benzene	GRO	DRO	EXT DRO	Chlorides
S-1	0.5"	ND	ND	ND	70.9	30.5	976
S-2	0.5"	ND	ND	ND	105	50.4	976
S-3	0.5"	ND	ND	ND	106	45	7760
S-4	0.5"	ND	ND	ND	76.8	31.7	9600
S-5	0.5"	ND	ND	ND	ND	ND	32
S-6	0.5"	ND	ND	ND	ND	ND	ND
S-7	0.5"	ND	ND	ND	ND	ND	ND
S-8	0.5"	ND	ND	ND	ND	ND	ND



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

No report data available.

Basin/County Search:

Basin: L

County: LE

PLSS Search:

Range: 32E

Township: 22S

Section: 15

Q64: SW

Q16: SW

Q4: SE


* UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Lechuza Federal #1
Water Right Summary C-2096

30-025-31495
nAPP2522355695

Water Right Summary



get image
list


WR File Number:	C 02096	Subbasin:	CUB	Cross Reference:	
Primary Purpose:	STK 72-12-1 LIVESTOCK WATERING				
Primary Status:	DCL Declaration				
Total Acres:	0.000	Subfile:		Header:	
Total Diversion:	5.800	Cause/Case:			
Owner:	BUREAU OF LAND MANAGEMENT	Owner Class:	Owner		
Contact:					

Documents on File

(acre-feet per annum)

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion	Consumptive
	199345	DCL	1984-04-09	DCL	PRC	C 02096	T	0.000	5.800	

Current Points of Diversion


POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
C 02096			NE	SW	14	22S	32E	627204.0	3584464.0 *			

* UTM location was derived from PLSS - see Help

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

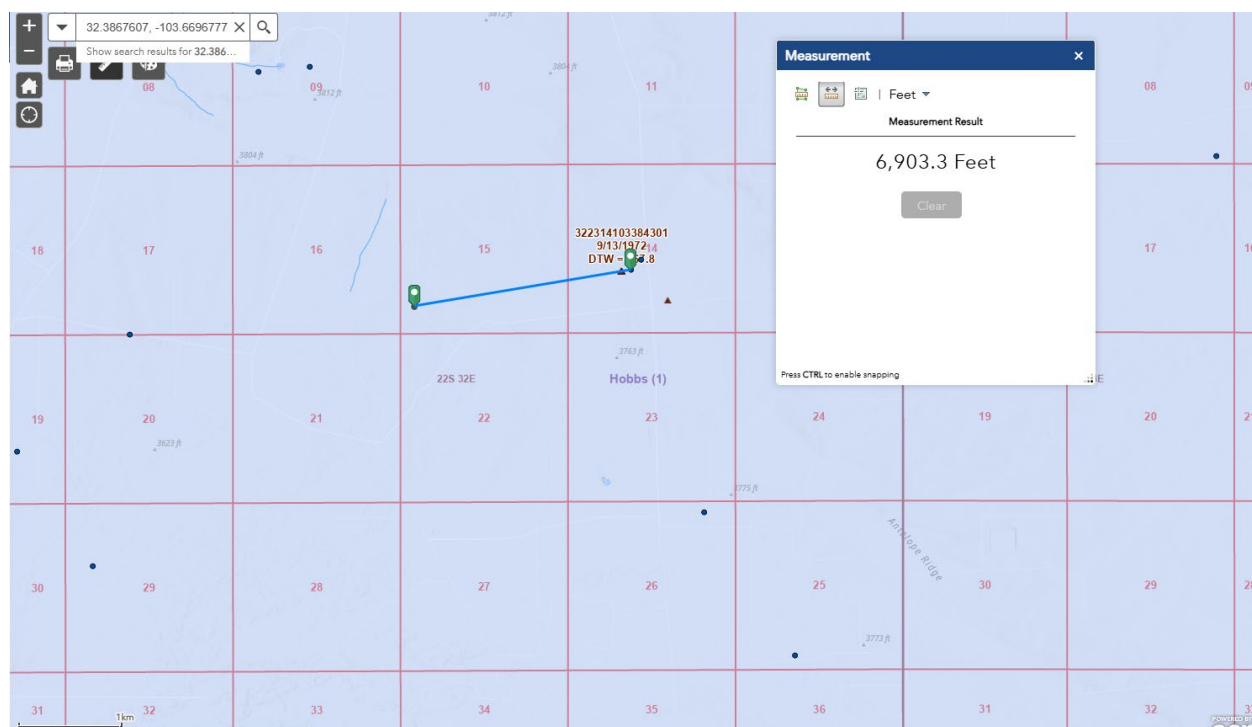
Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 02096		NE	SW	14	22S	32E	627204.0	3584464.0 *	

* UTM location was derived from PLSS - see Help

Driller License:	Driller Company:				
Driller Name:	JOHN H. TRIGG CO.				
Drill Start Date:	Drill Finish Date:	1963-12-31	Plug Date:		
Log File Date:	PCW Rcv Date:	Source:			
Pump Type:	Pipe Discharge Size:	Estimated Yield:	25		
Casing Size:	7.00	Depth Well:	435	Depth Water:	360

Lechuza Federal #1
Water Right Summary C-2096

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Closest POD is 6,903' from the Lechuza Federal #1.

C-2096 is showing a water depth of 360'

C-2821 is showing a water depth of 410', which is located next to C-2096.

OSE does not have the average depth of water for the Lechuza Federal #1 location.



CEMENT BOND LOG

GAMMA RAY

CCL

Company		STRATA PRODUCTION COMPANY	
Well		LECHUZA FEDERAL 01	
Field		BILBREY BASIN/RED TANK	
County		LEA	
State		NEW MEXICO	
Location:		API # : 3002531495	
SEC		TWP	
RGE		Elevation	
Permanent Datum		Log Measured From	
7005'		Drilling Measured From	
Other Services		Elevation	
K.B.		D.F.	
G.L.			

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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 7005' TO SURFACE
ESTIMATED TOP OF CEMENT 3935'
THANK YOU FOR USING RAM WIRELINE SERVICES



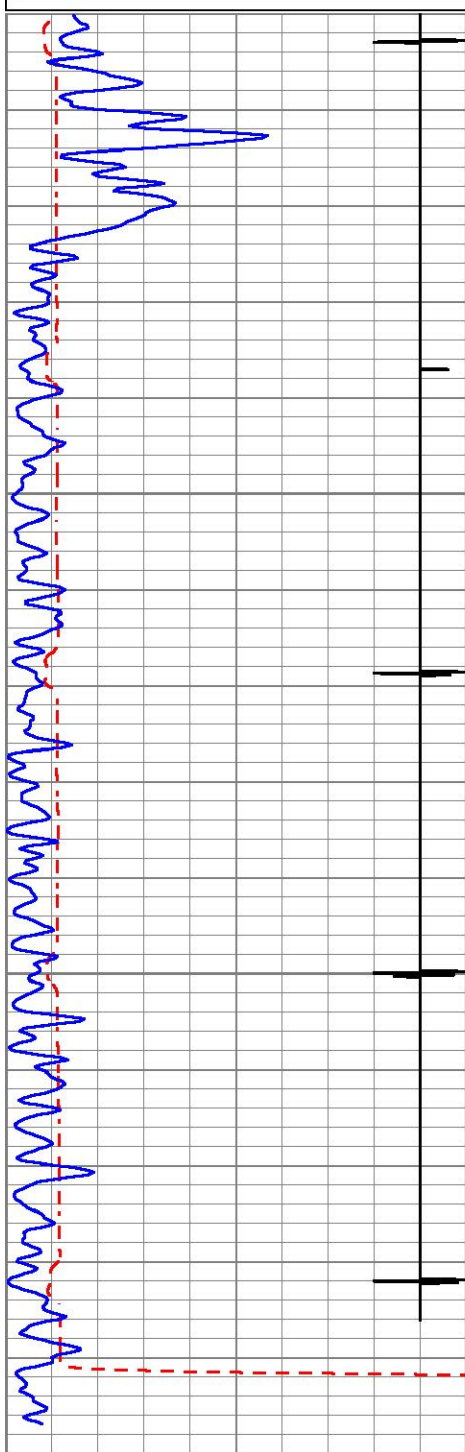
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0	Gamma Ray (GAPI)	150

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0	Amplitude (mV)	100

200 VDL (usec) 1200

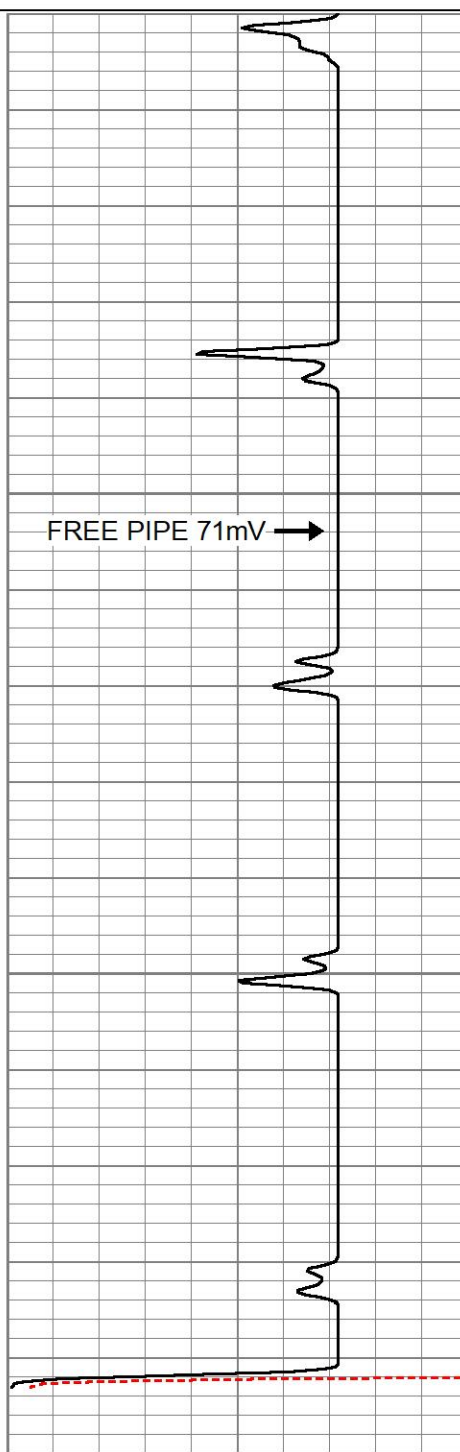


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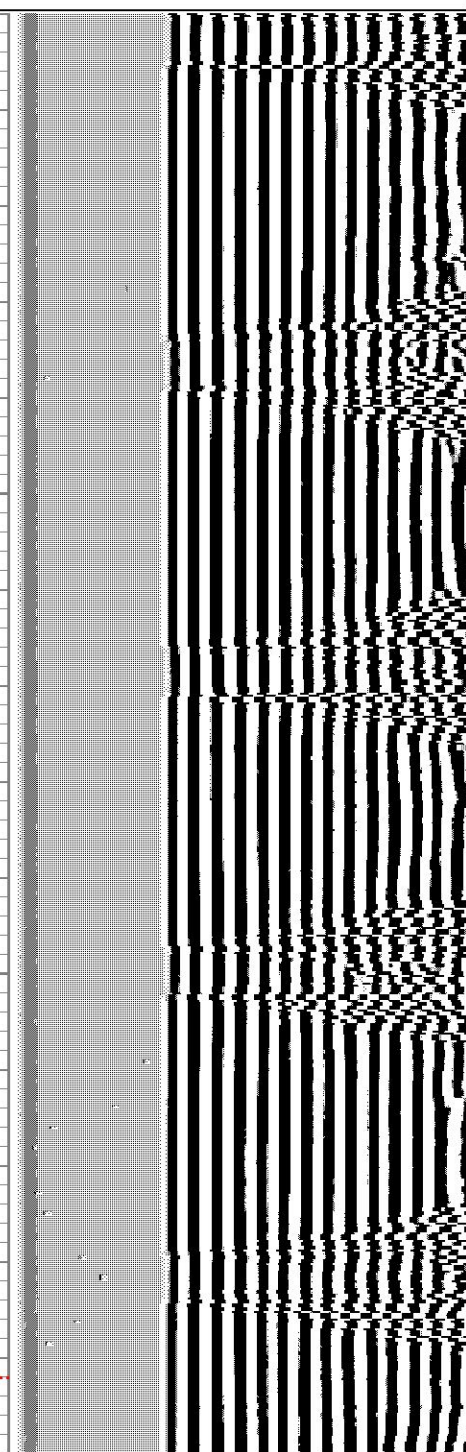
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2850

2900



FREE PIPE 71mV →



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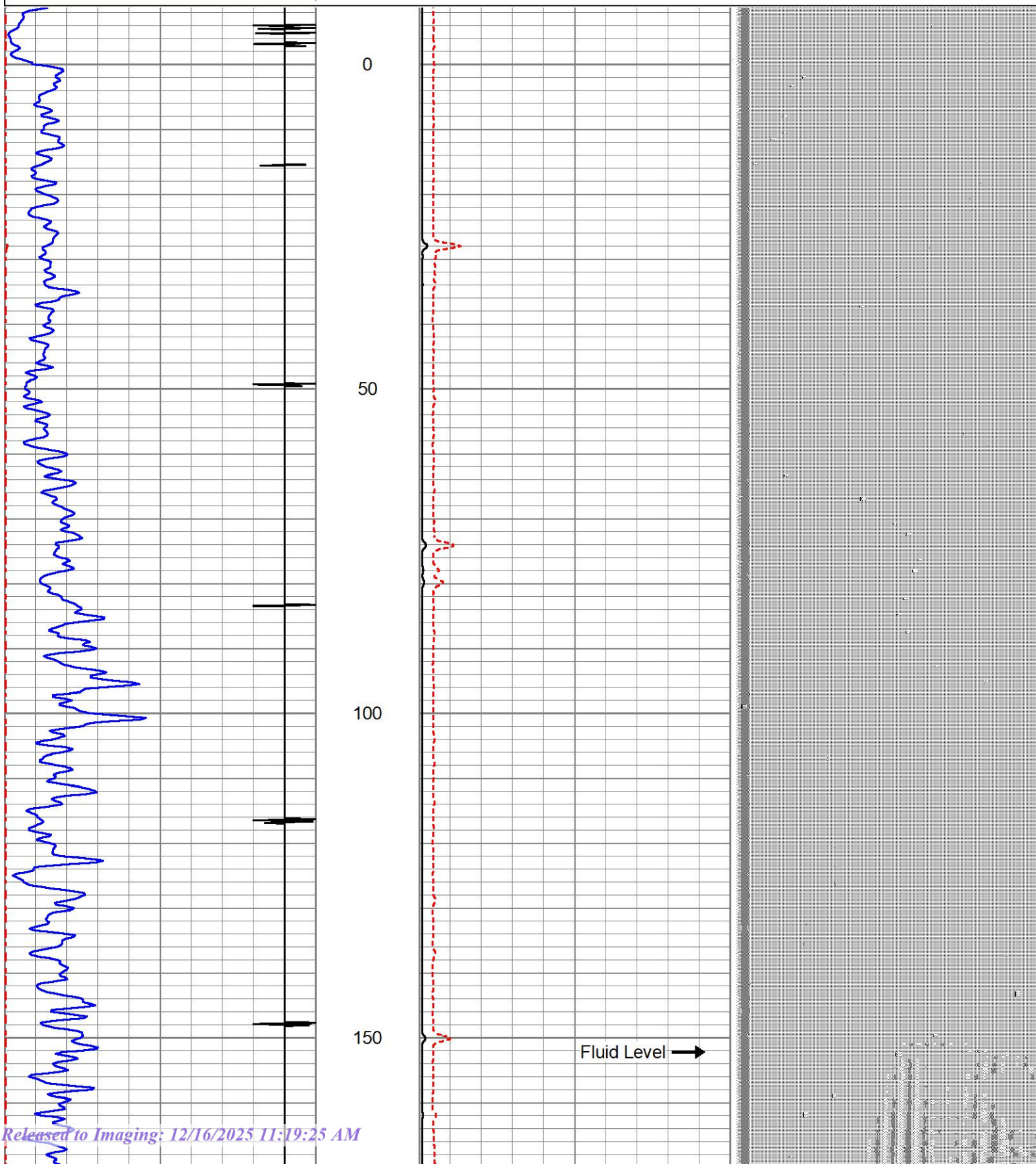
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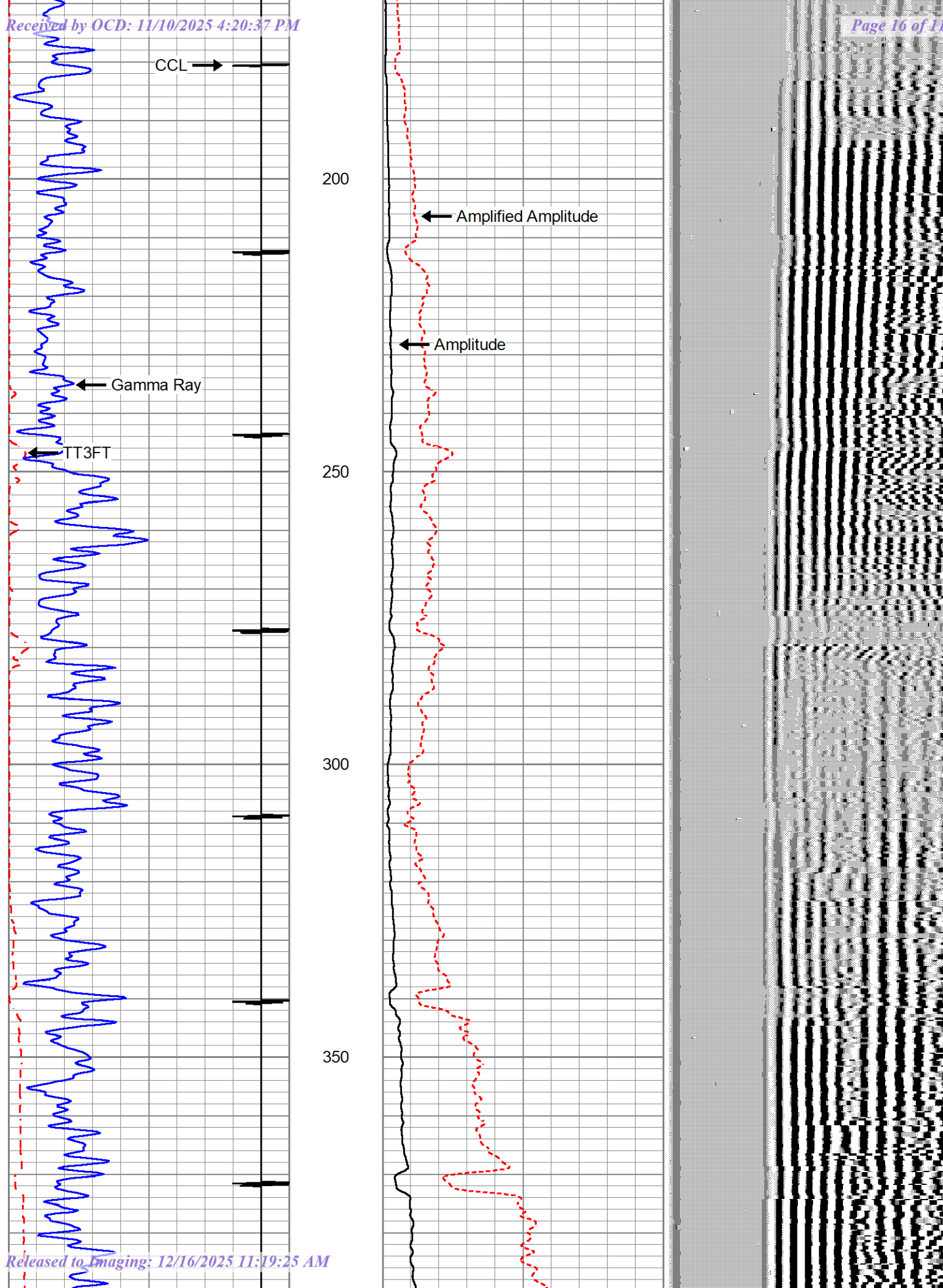
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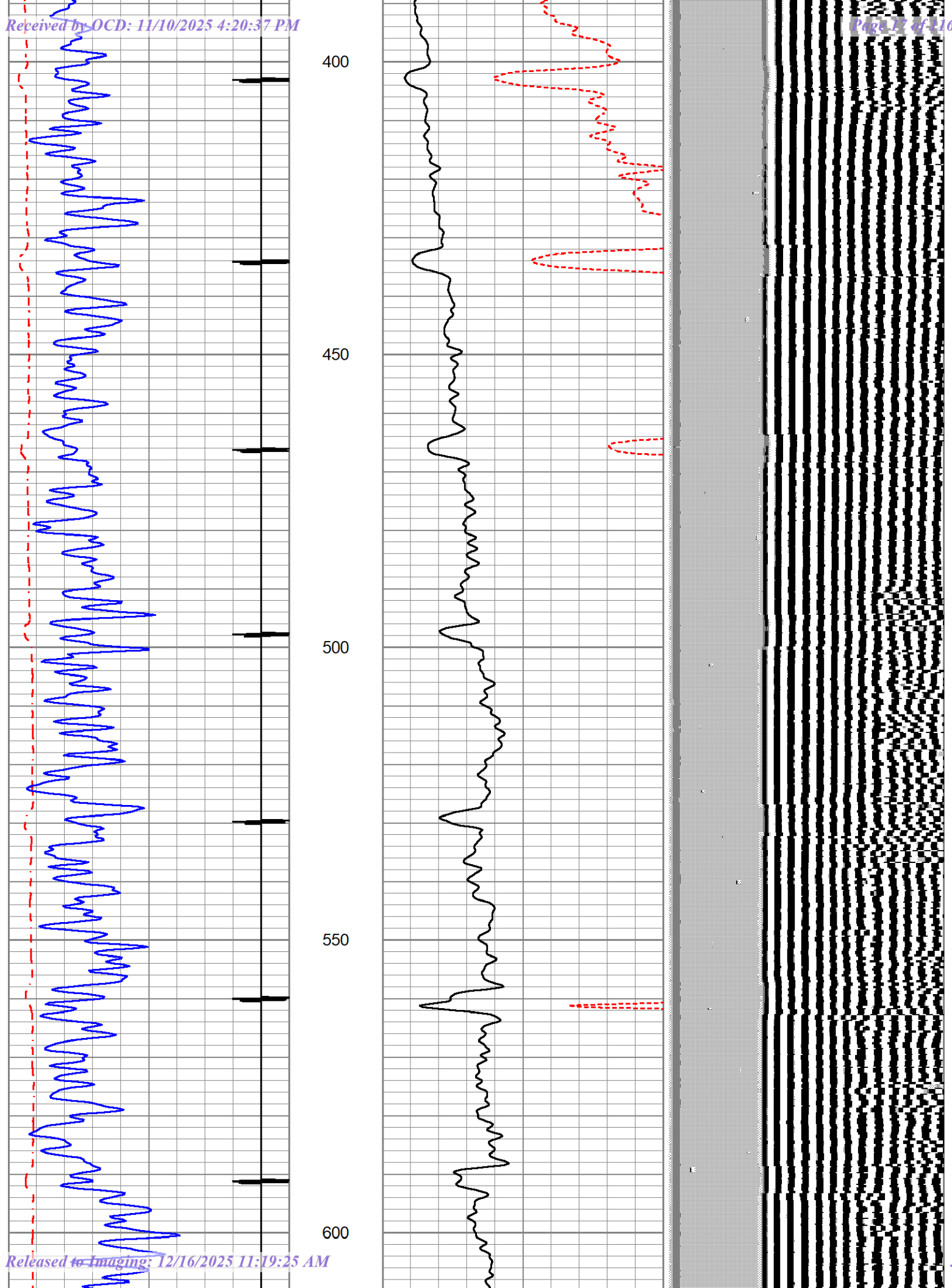
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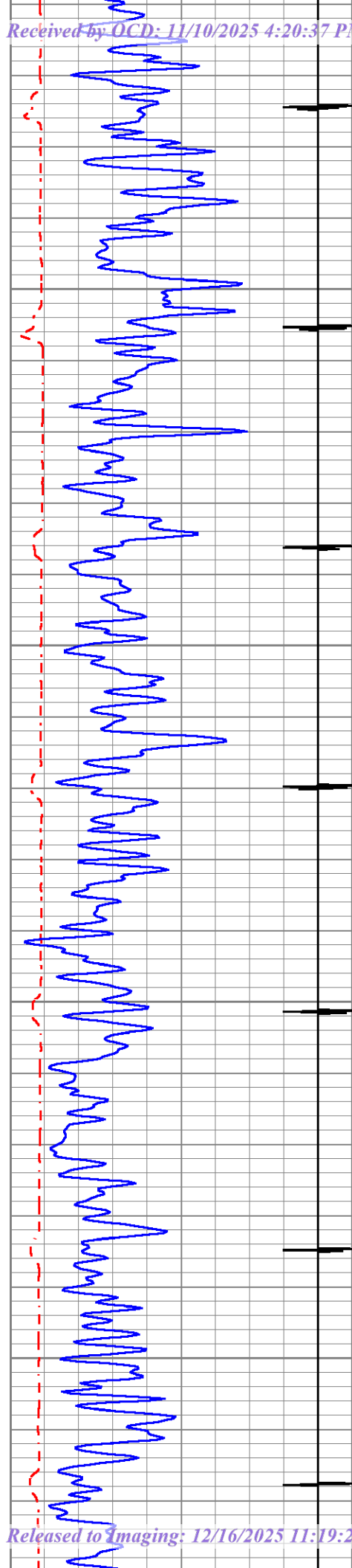
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0	Gamma Ray (GAPI)	150

0	Amplified Amplitude (mV)	20	200	VDL (usec)	1200
0	Amplitude (mV)	100			







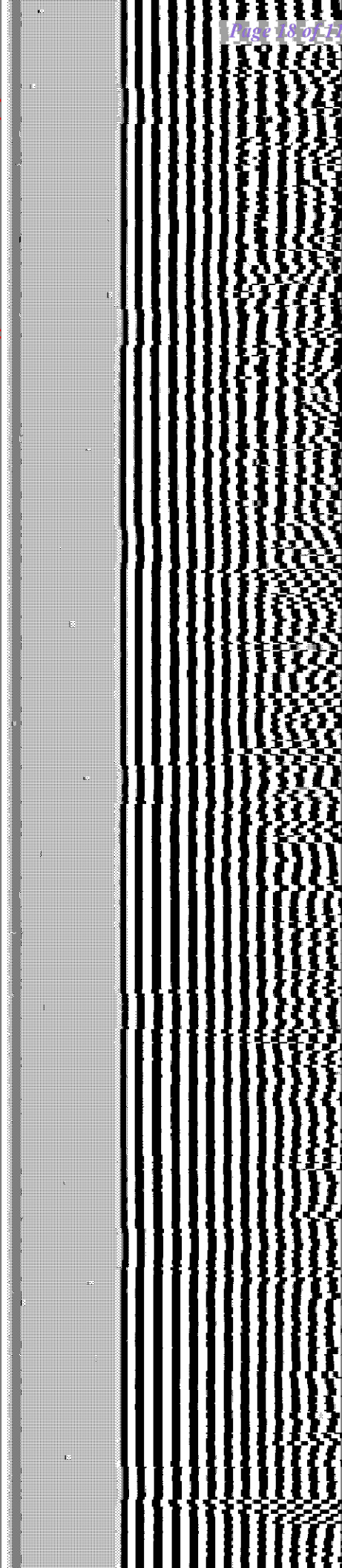
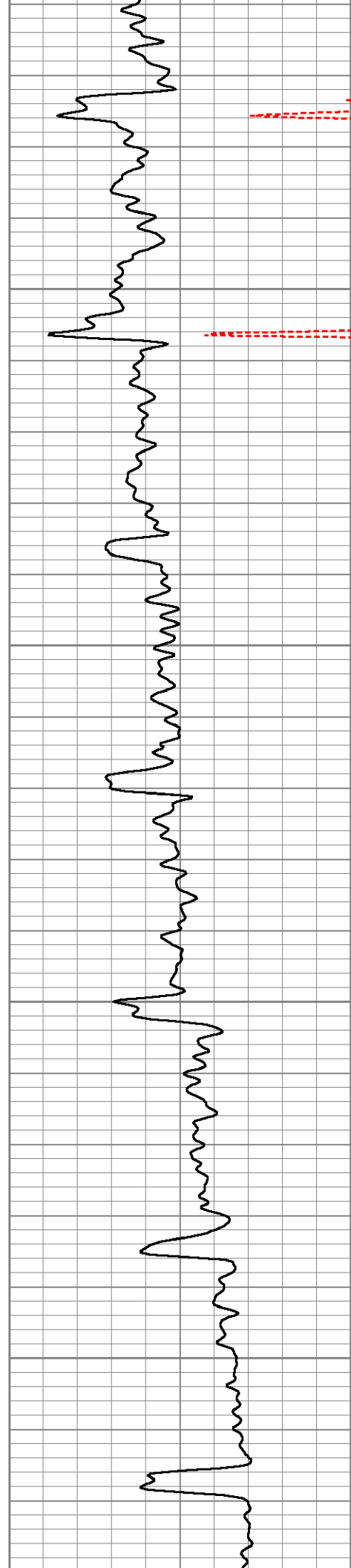


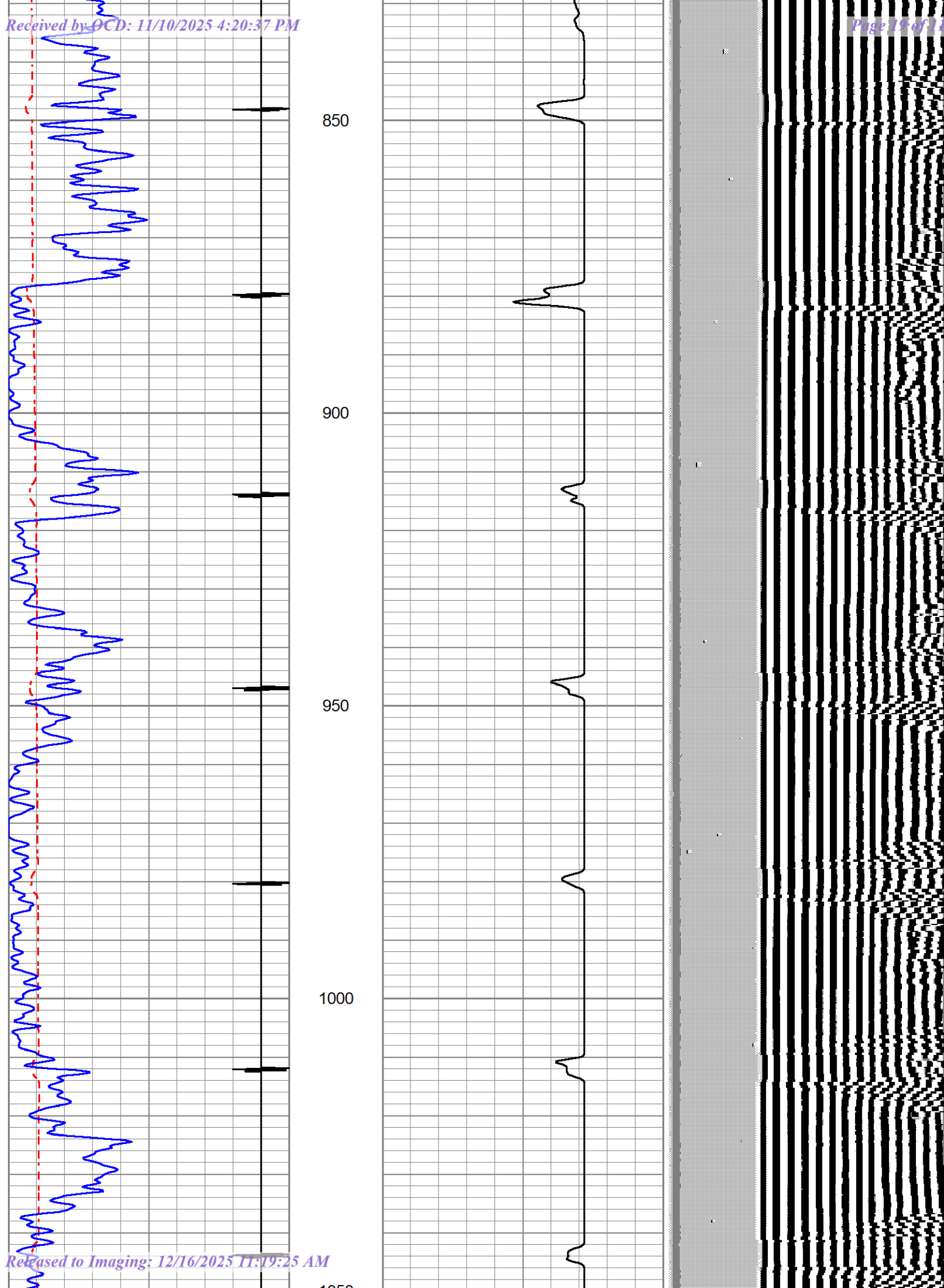
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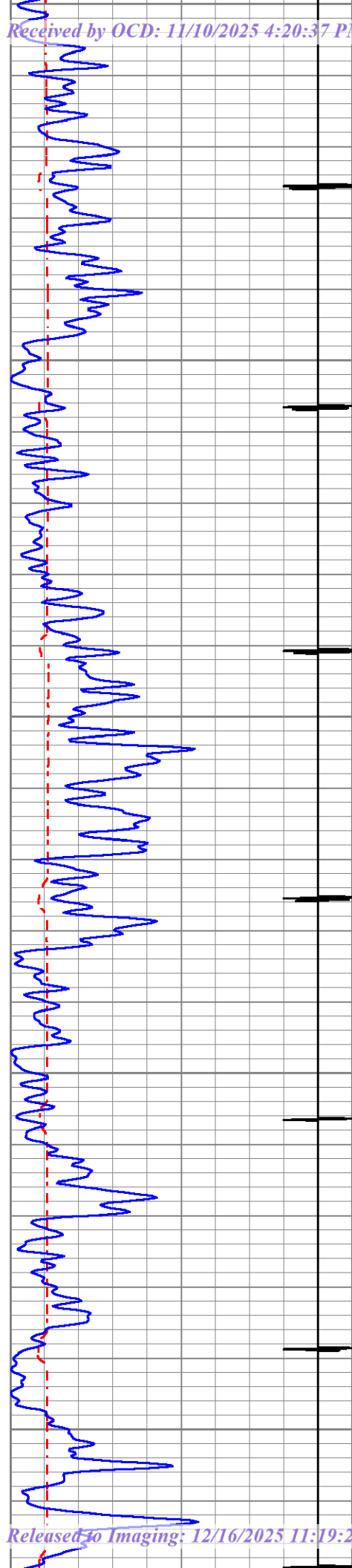
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750

800







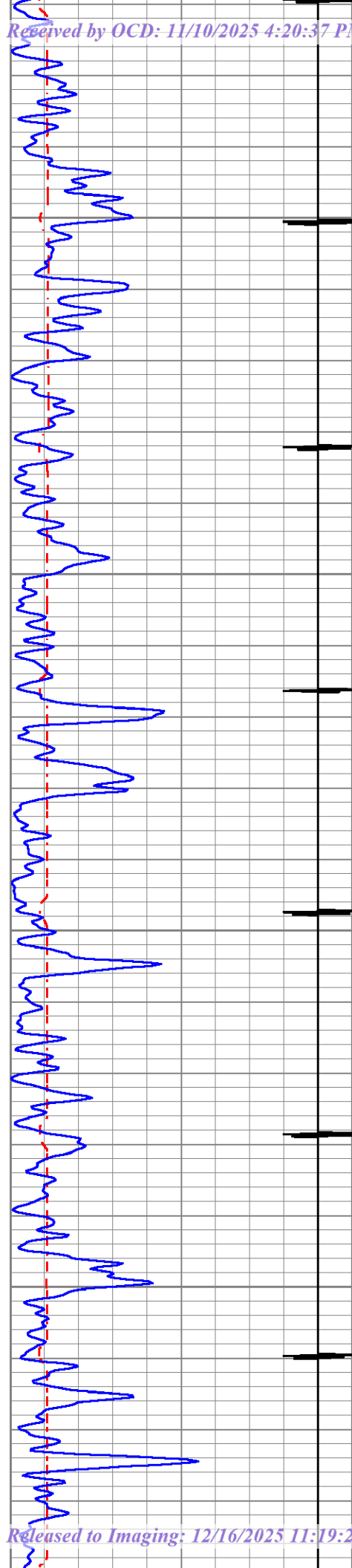
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1100

1150

1200

1250

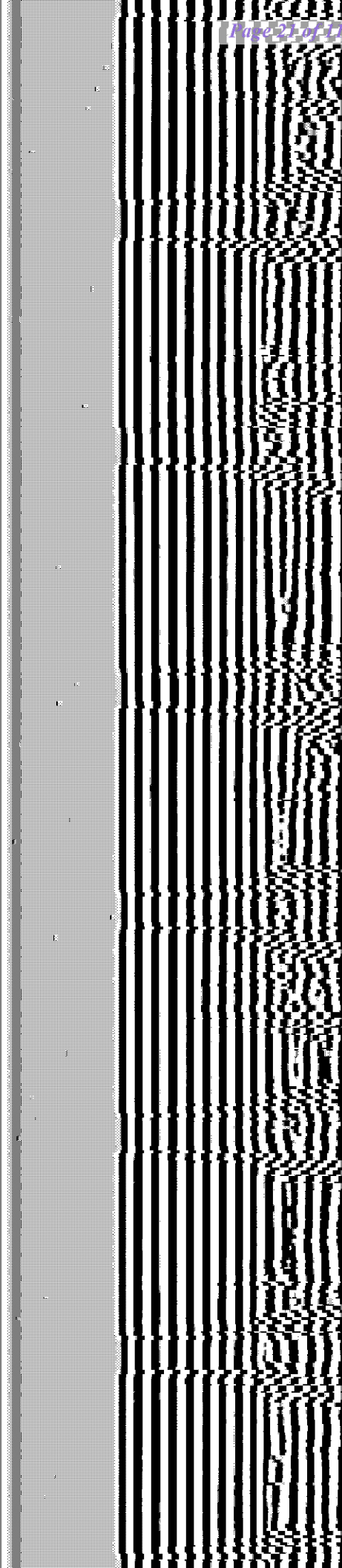
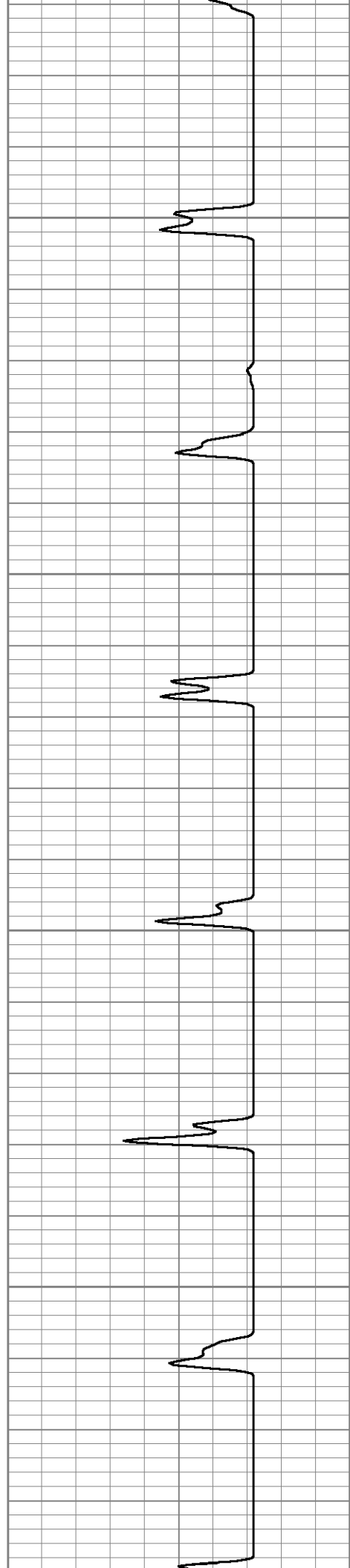


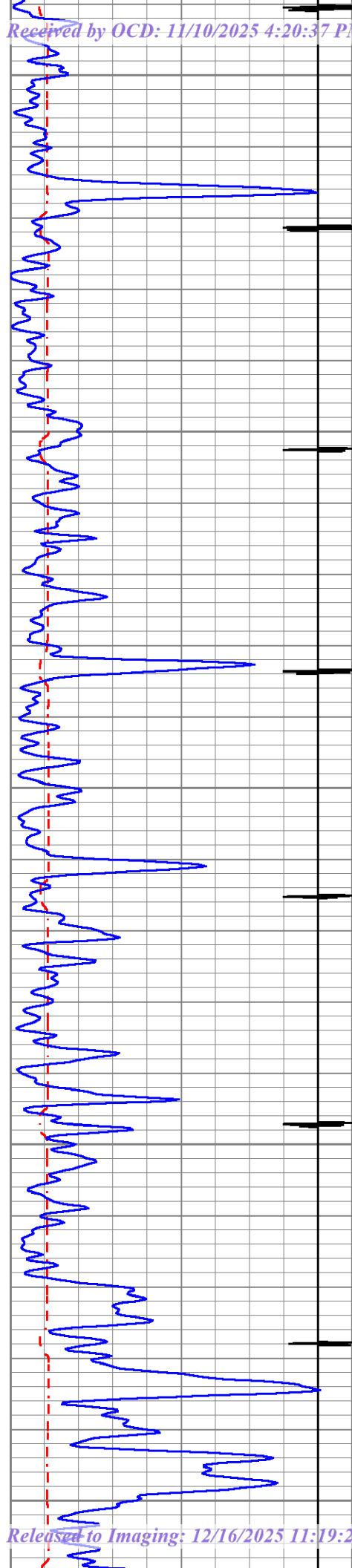
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1400

1450





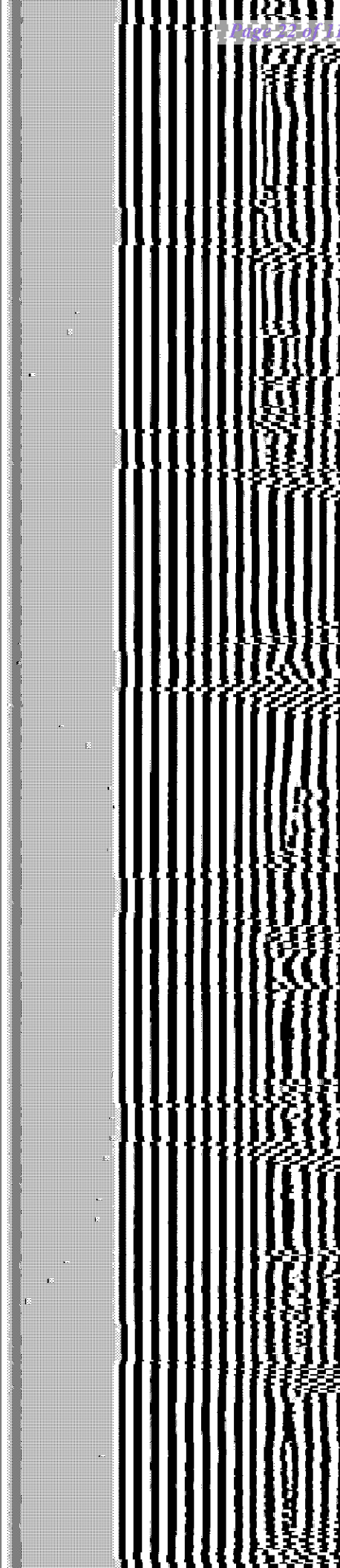
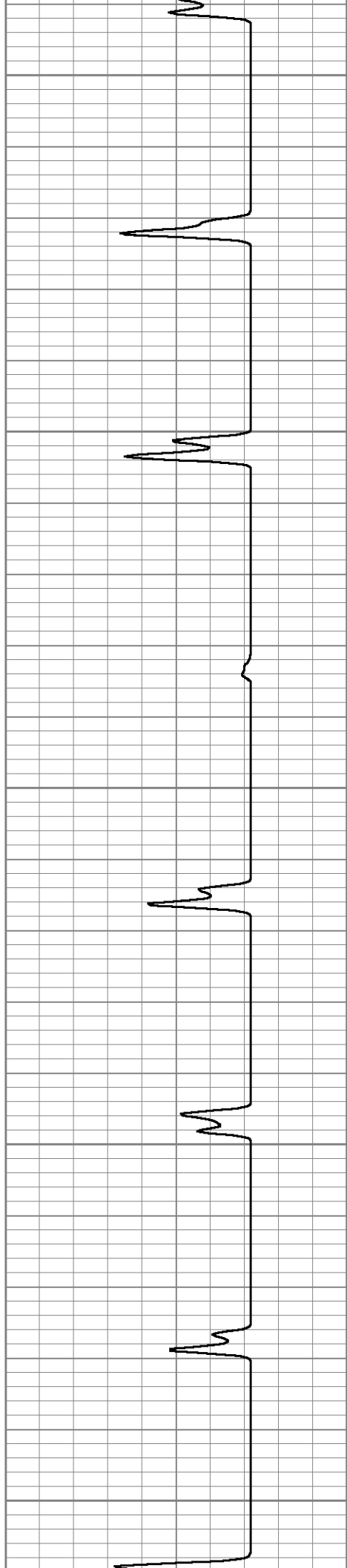
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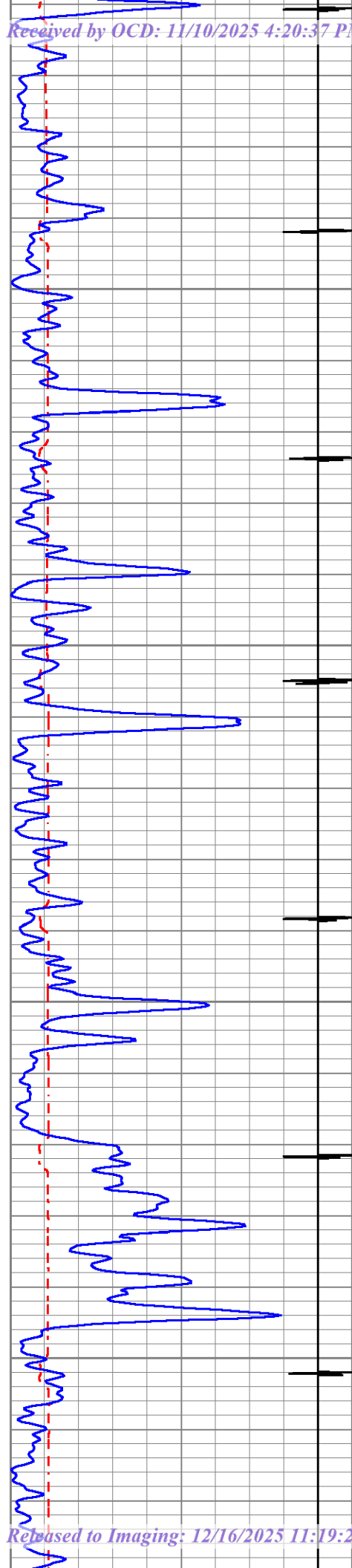
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1600

1650

1700



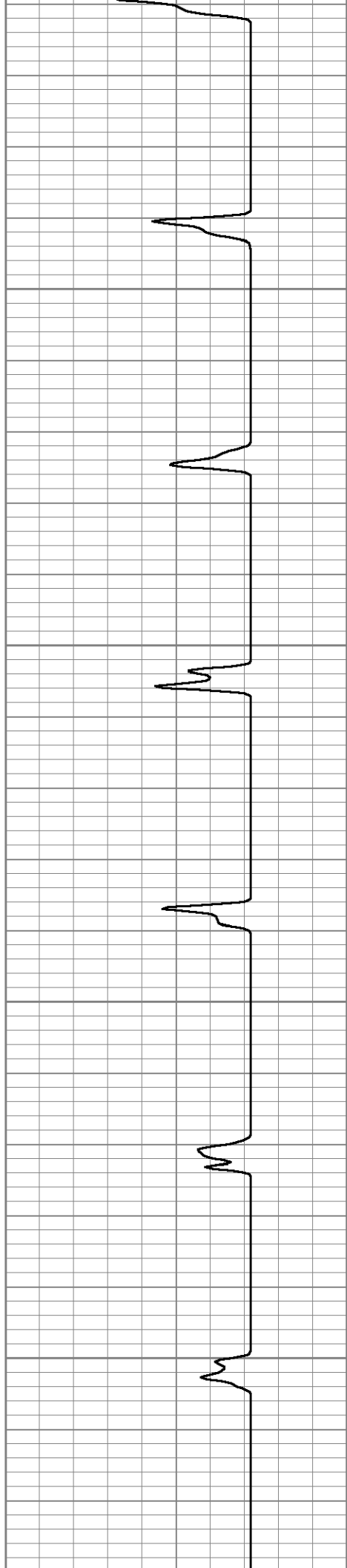


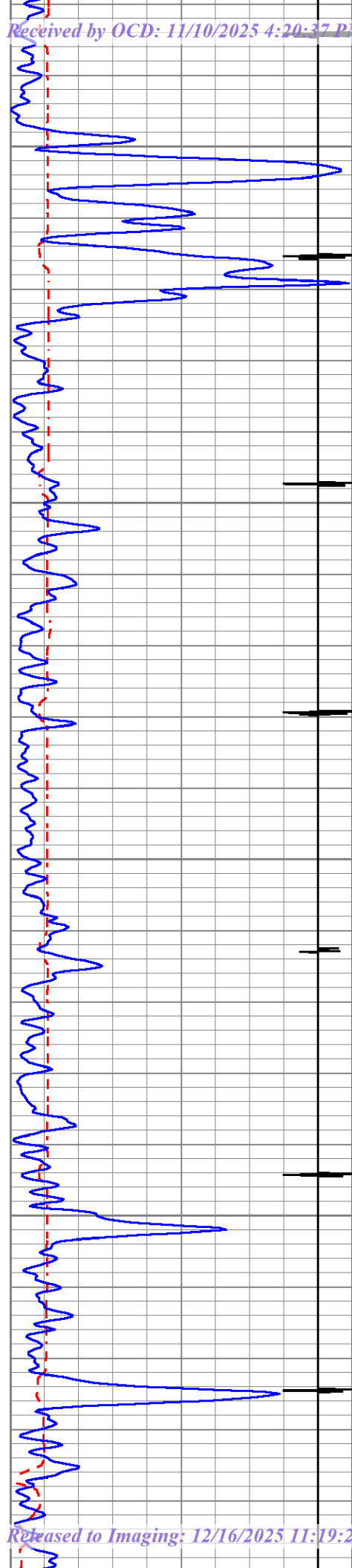
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1900





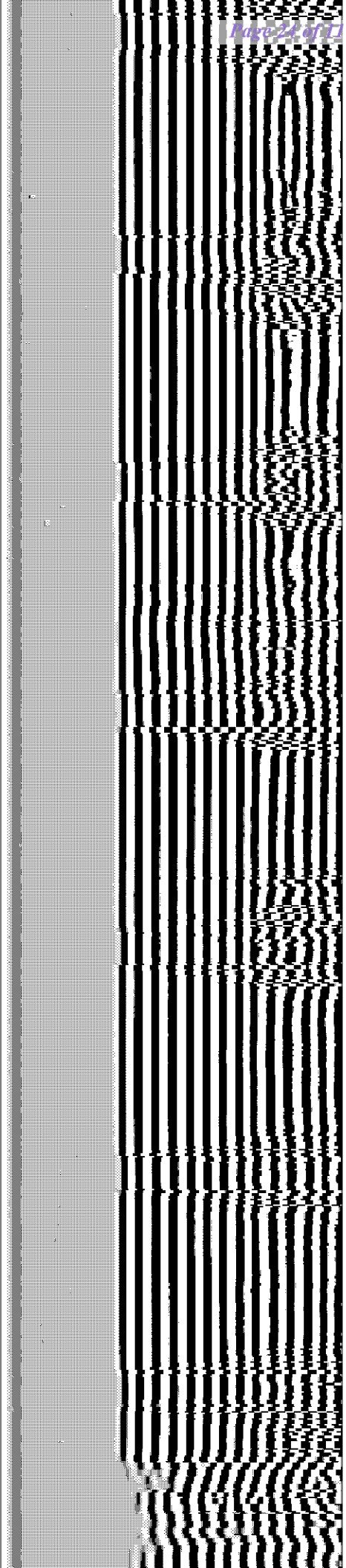
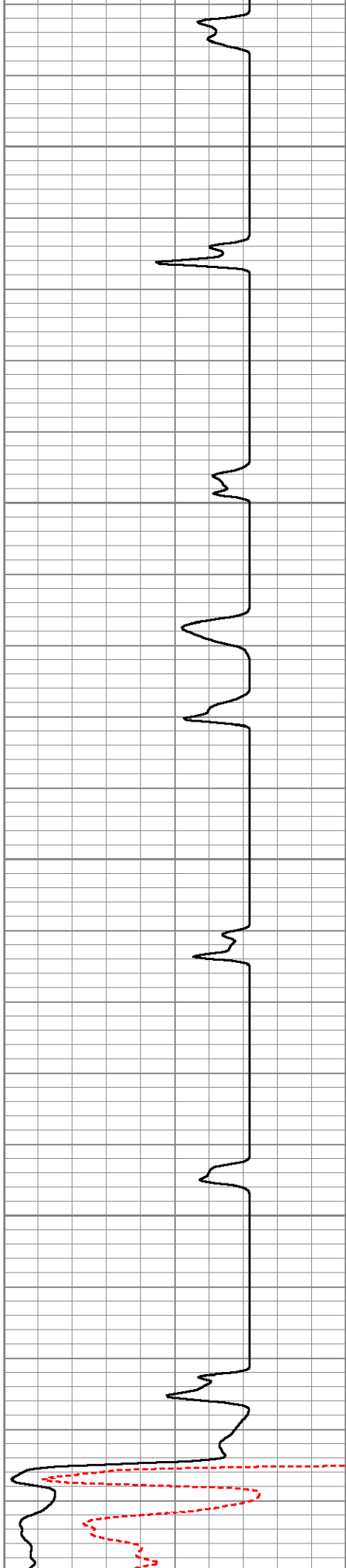
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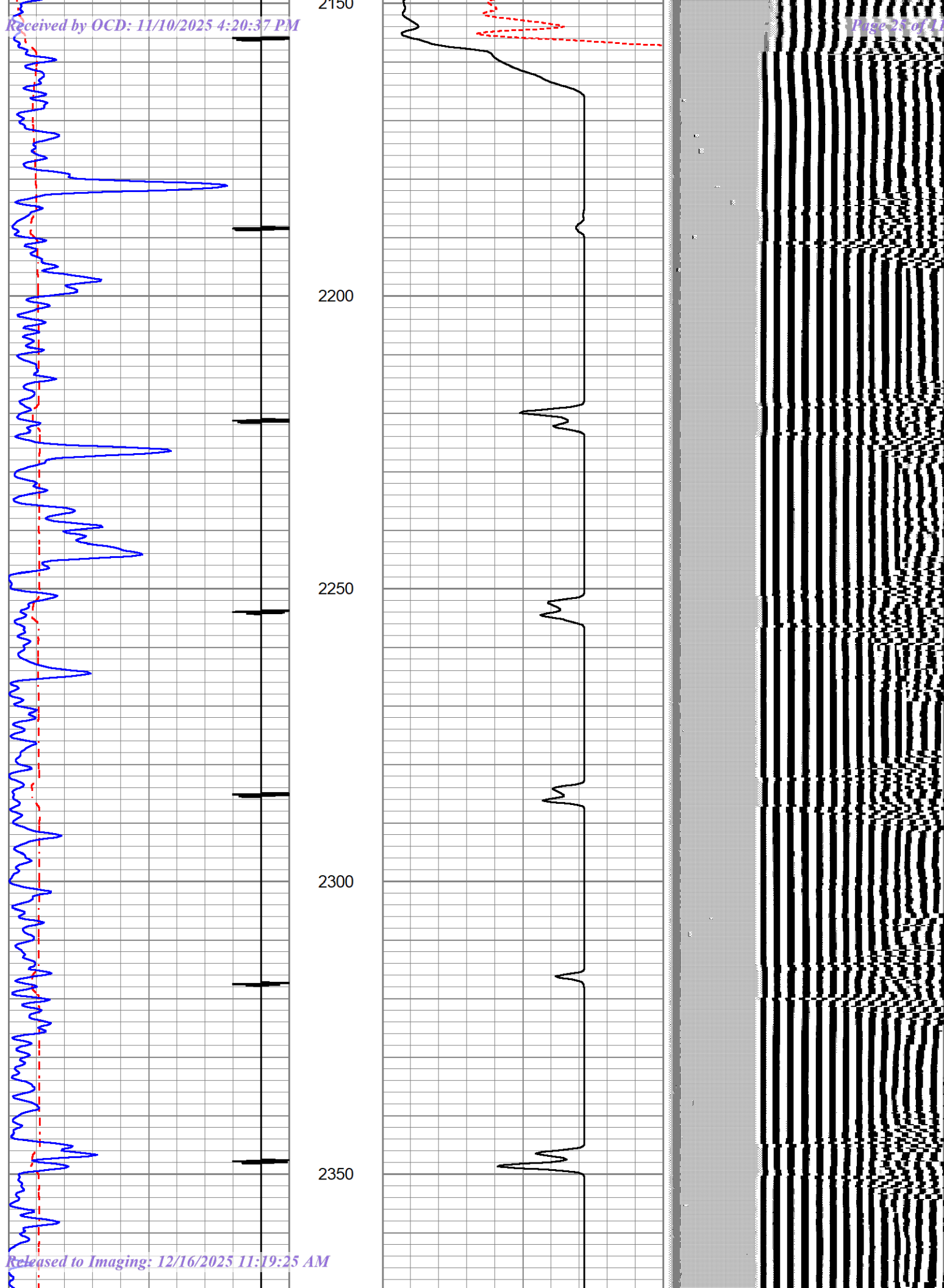
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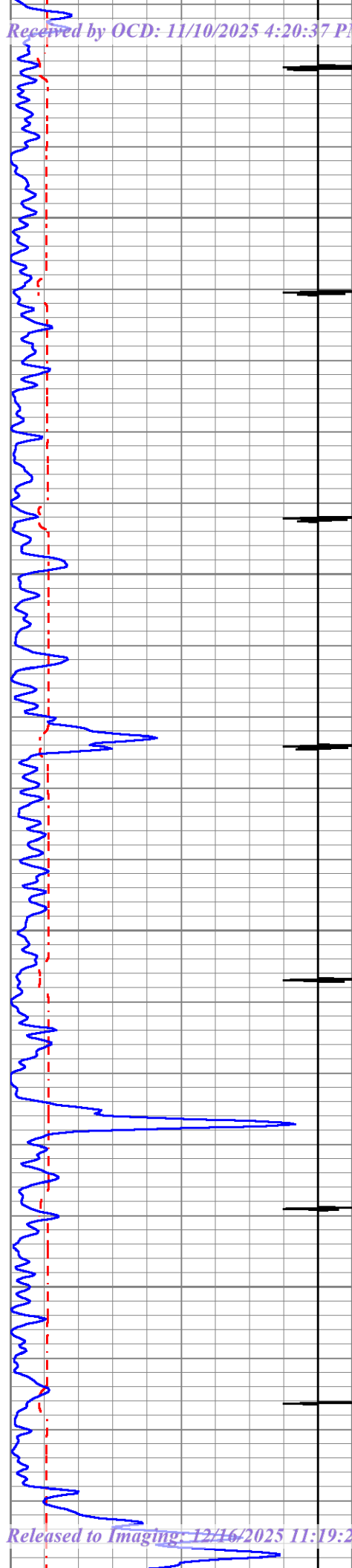
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2100

2150





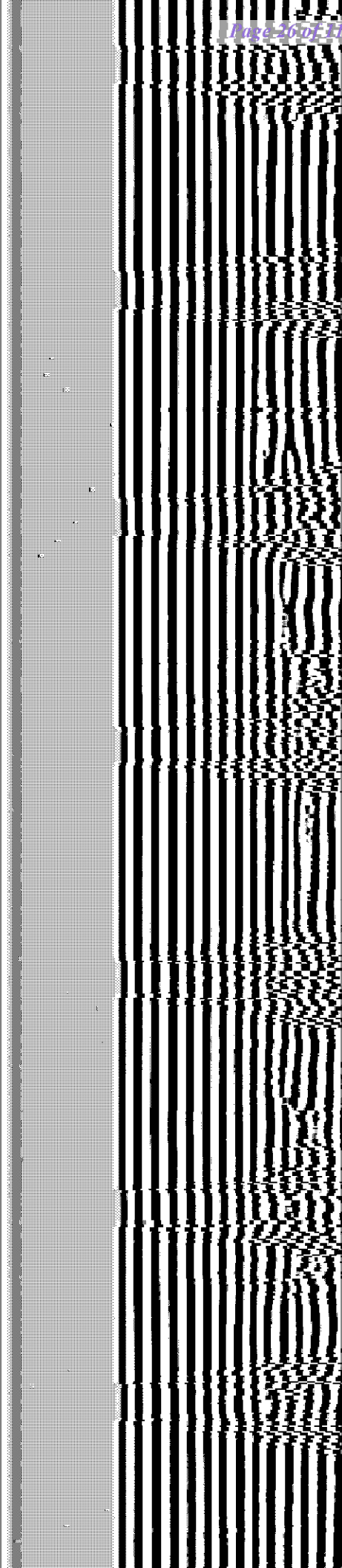
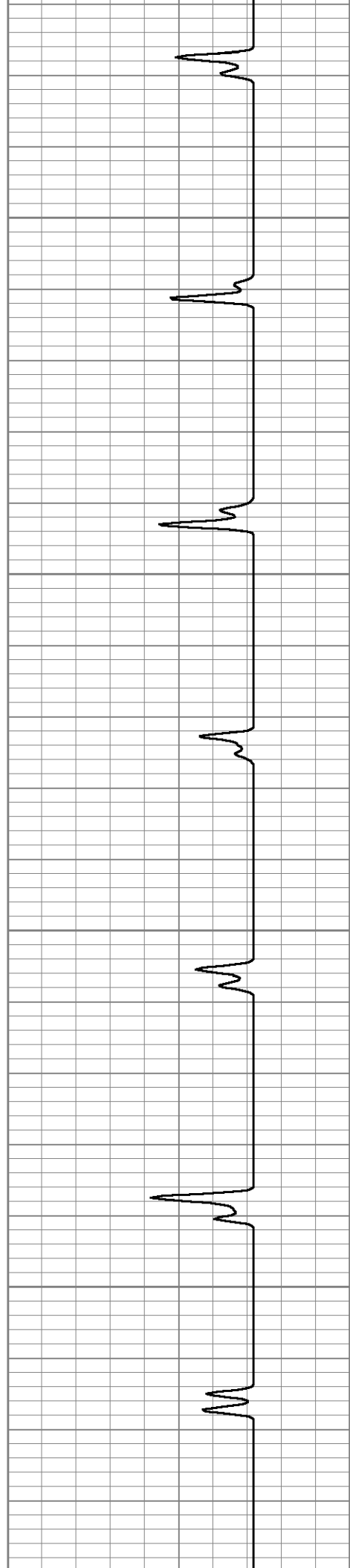


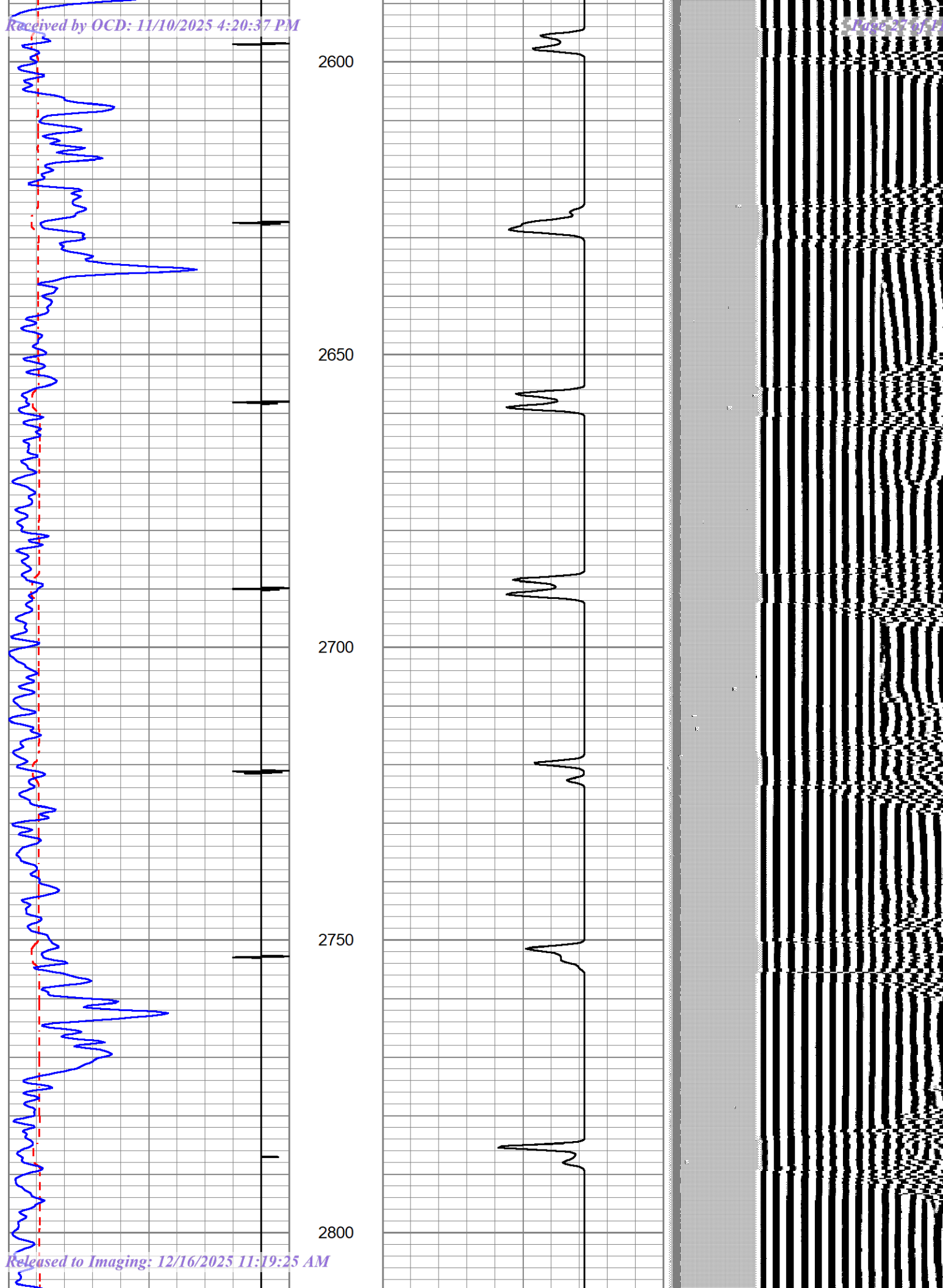
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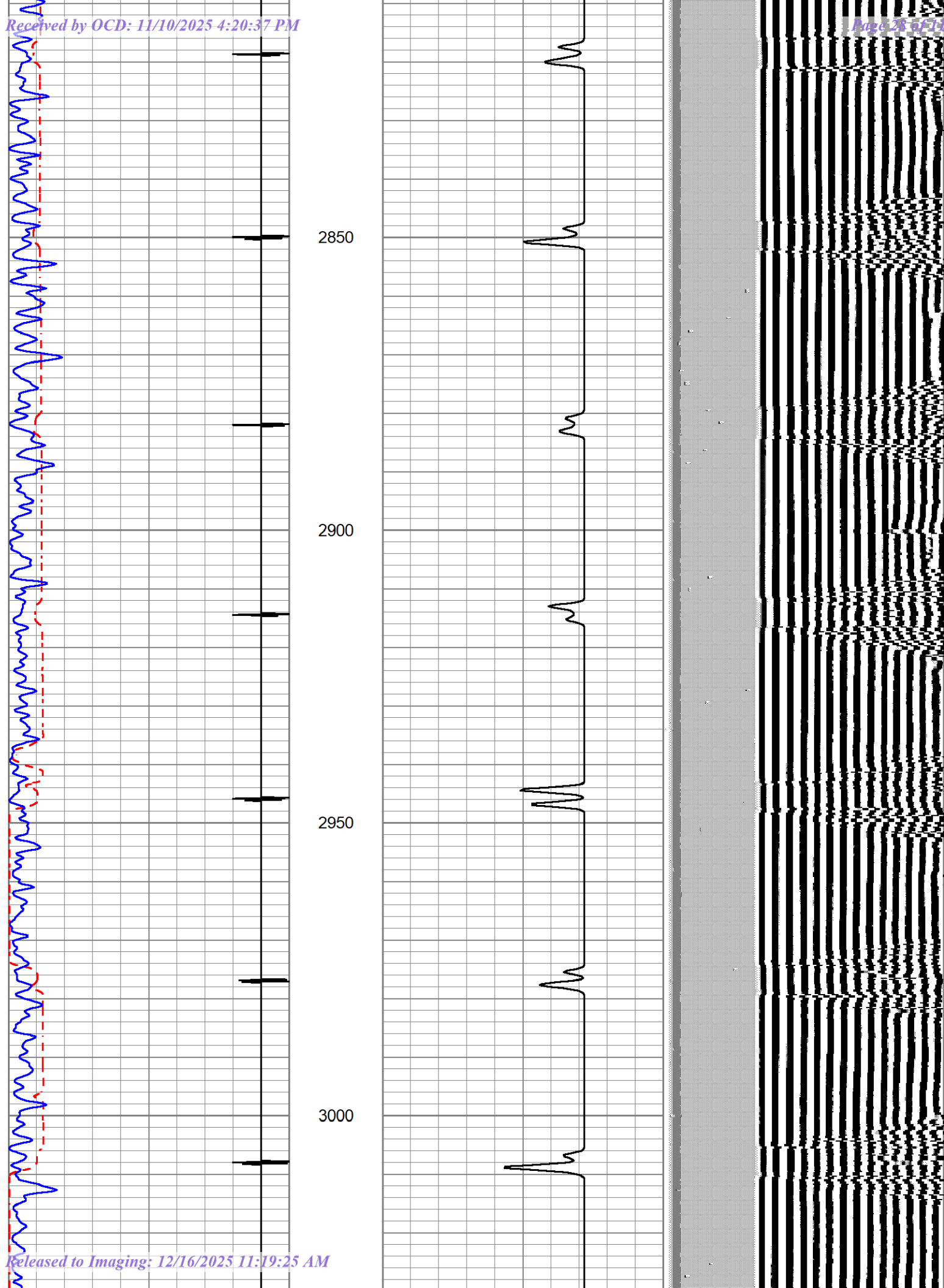
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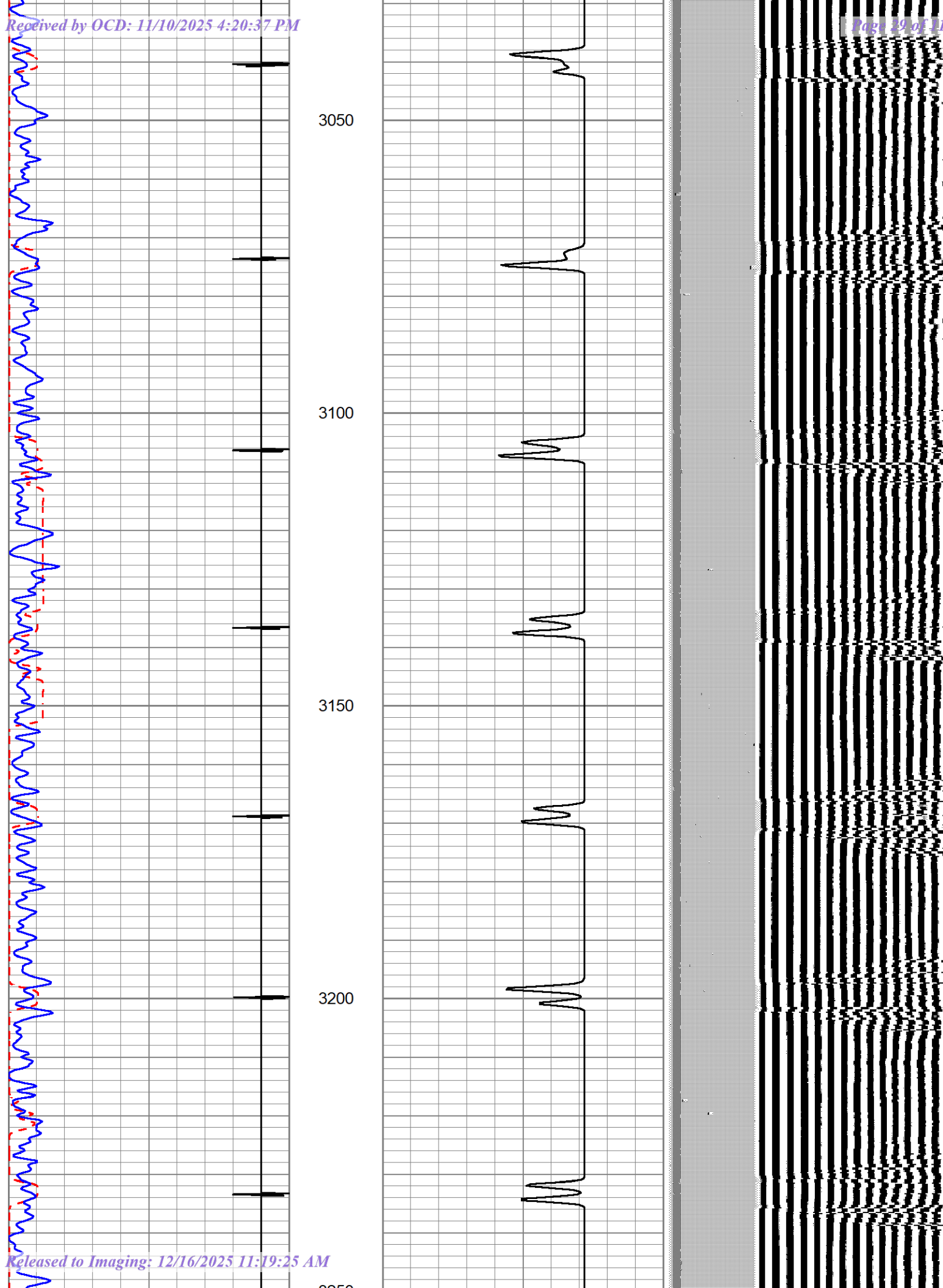
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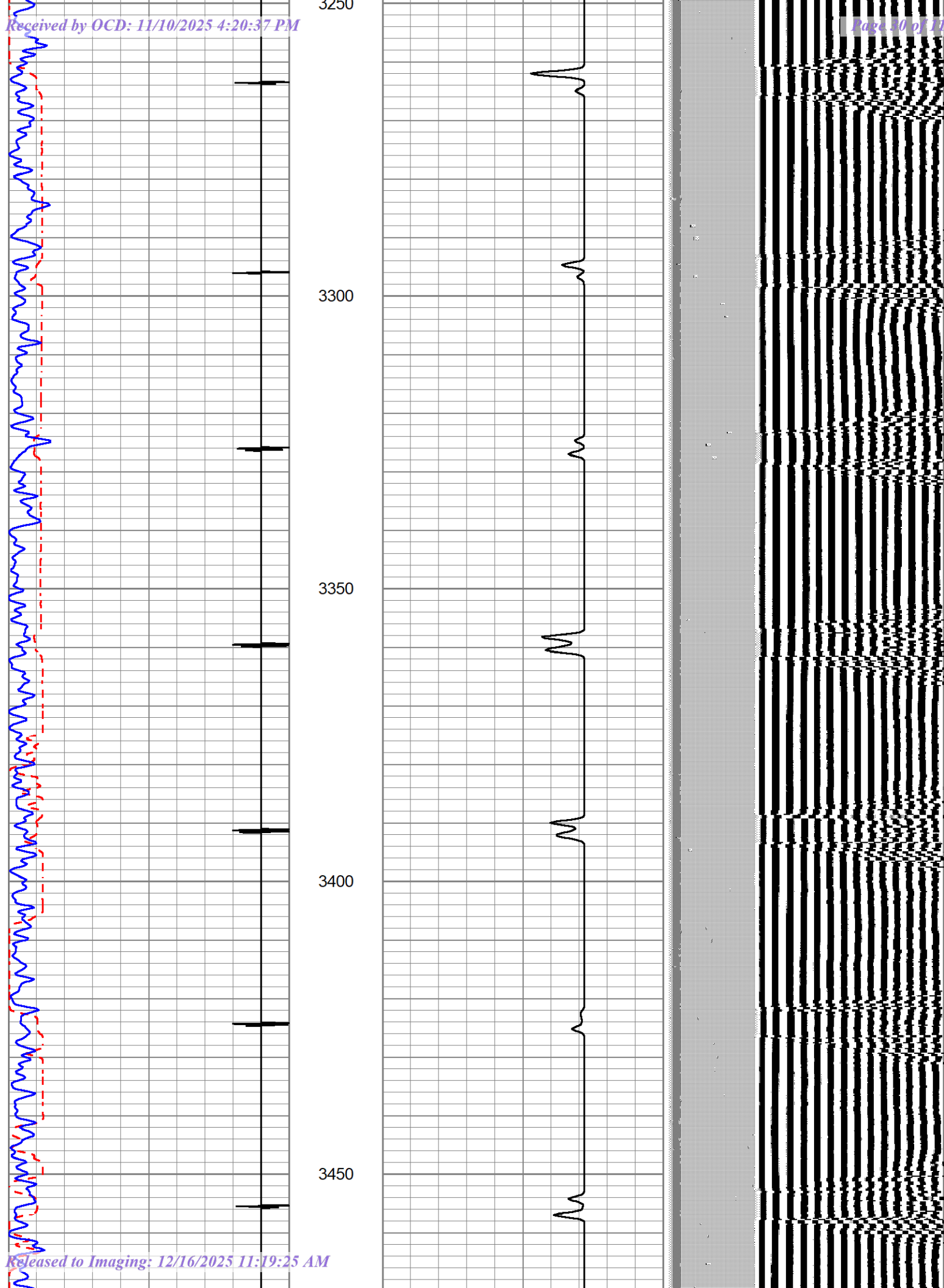
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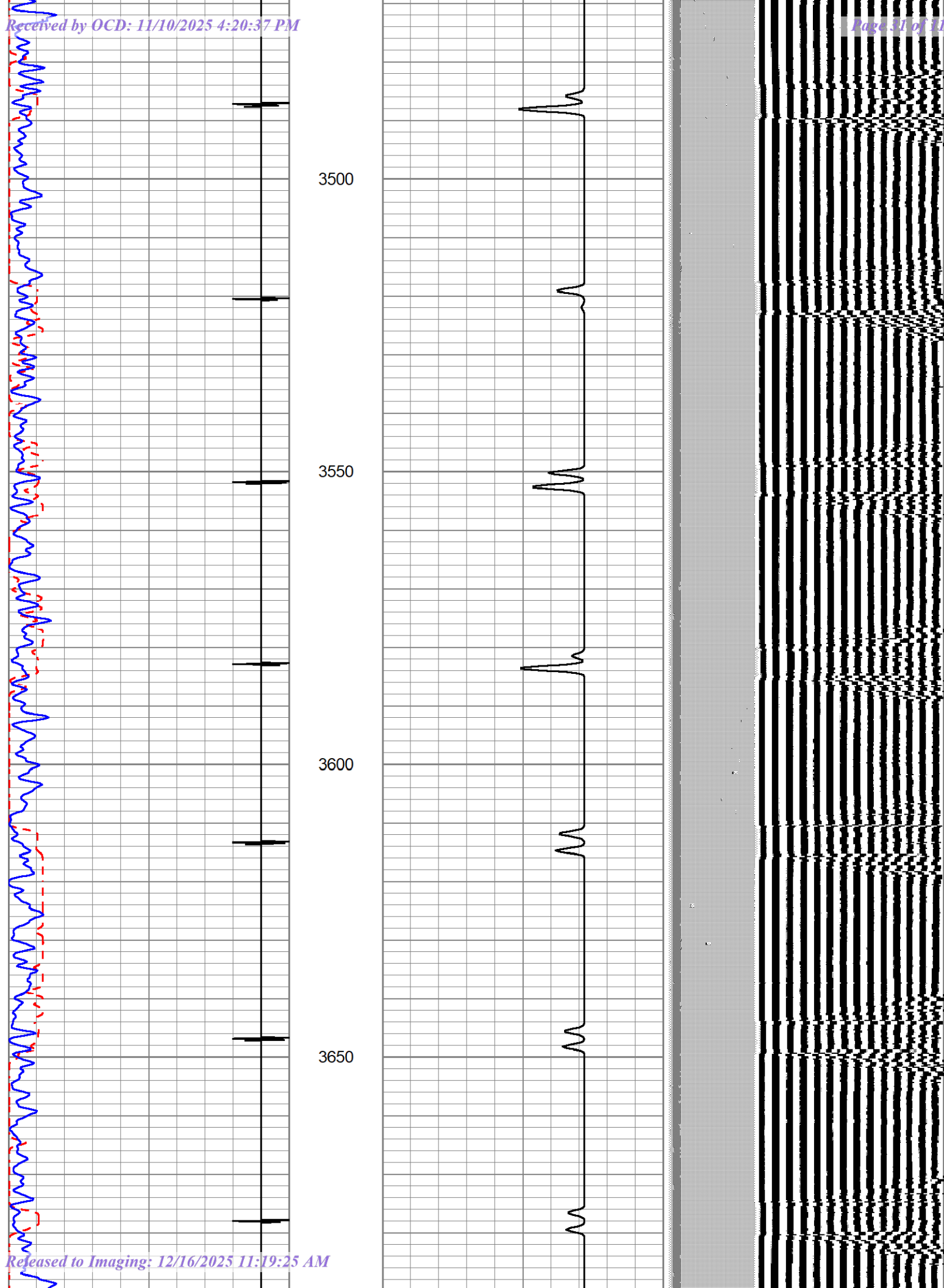


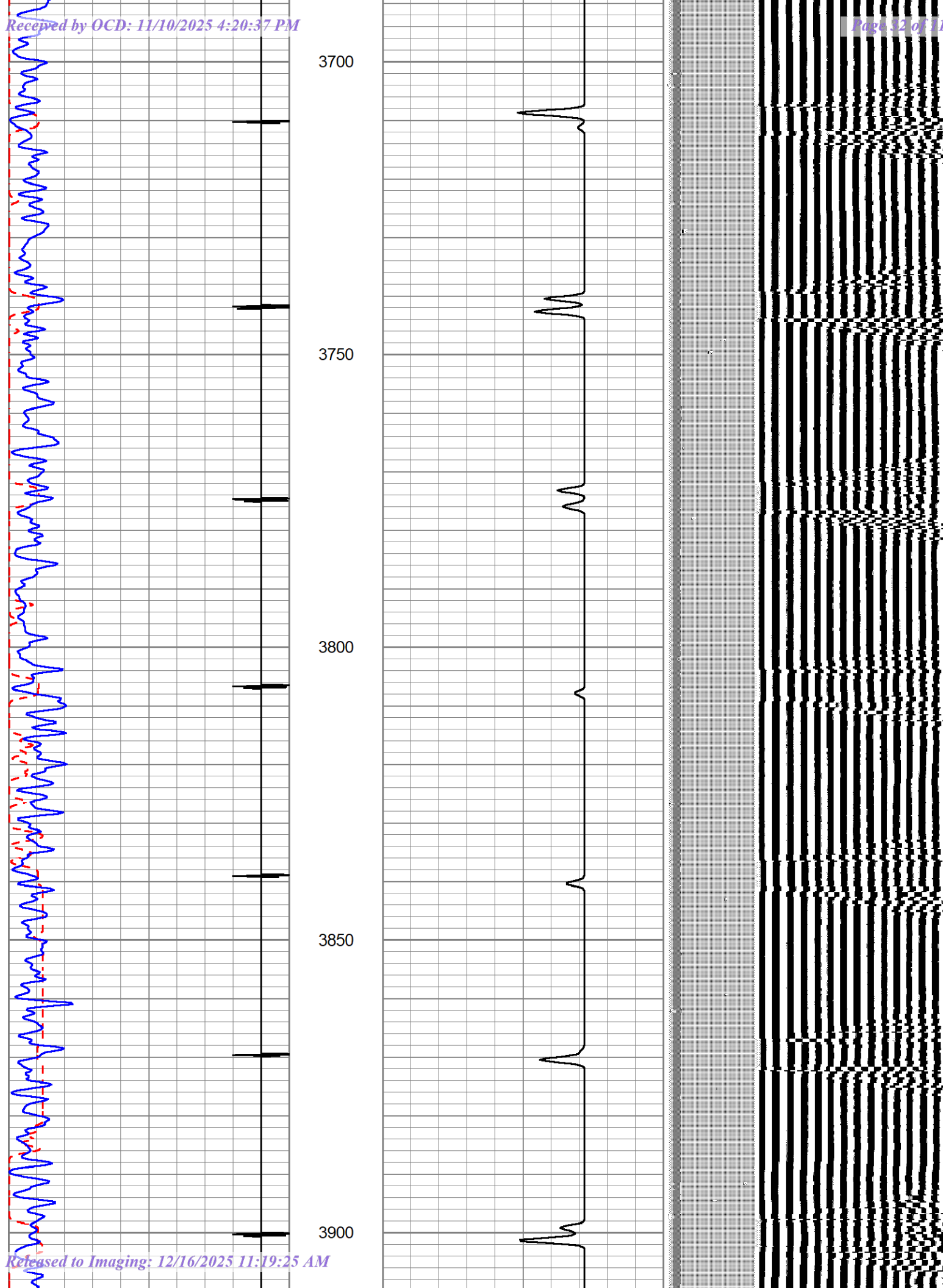


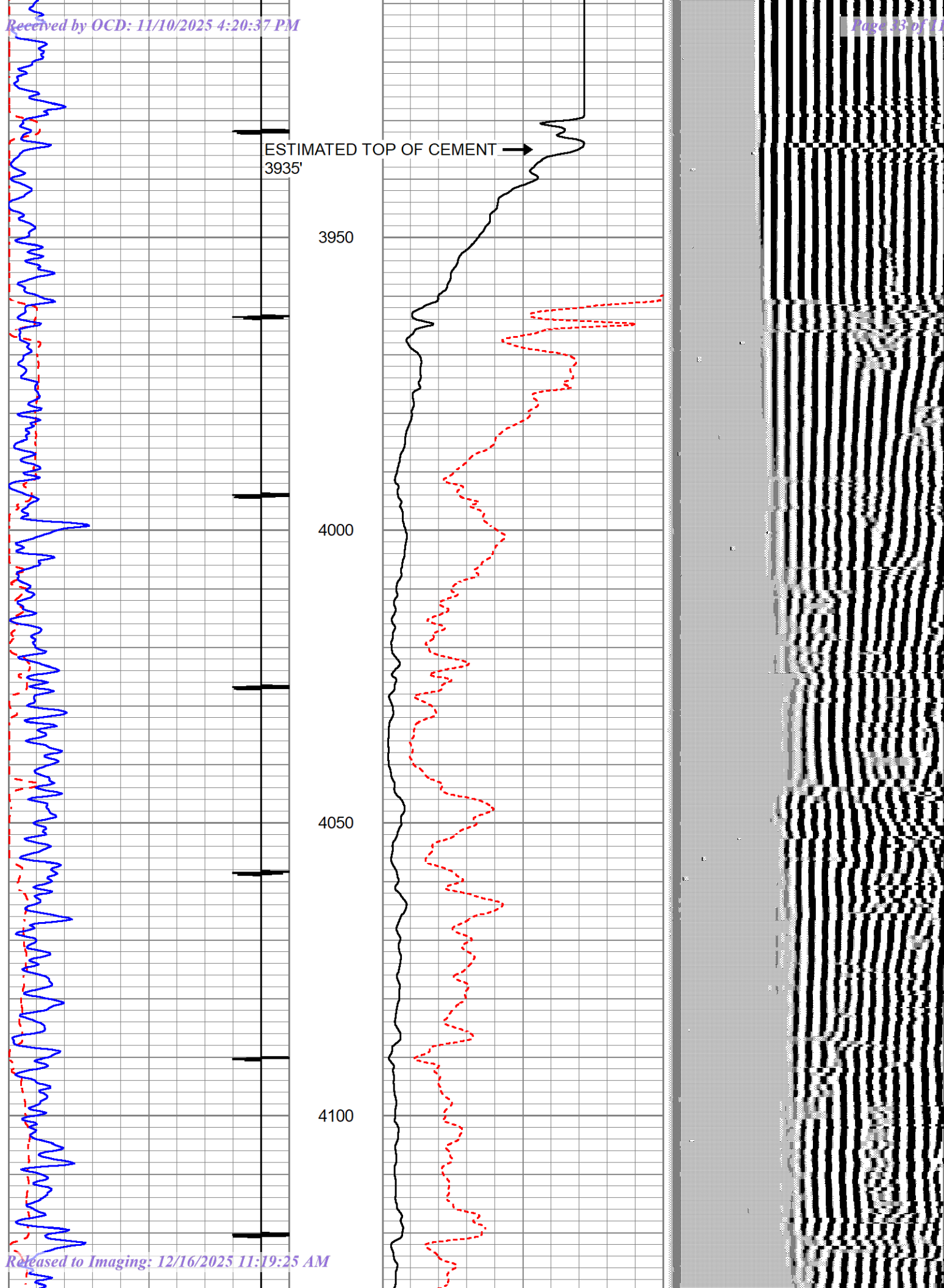


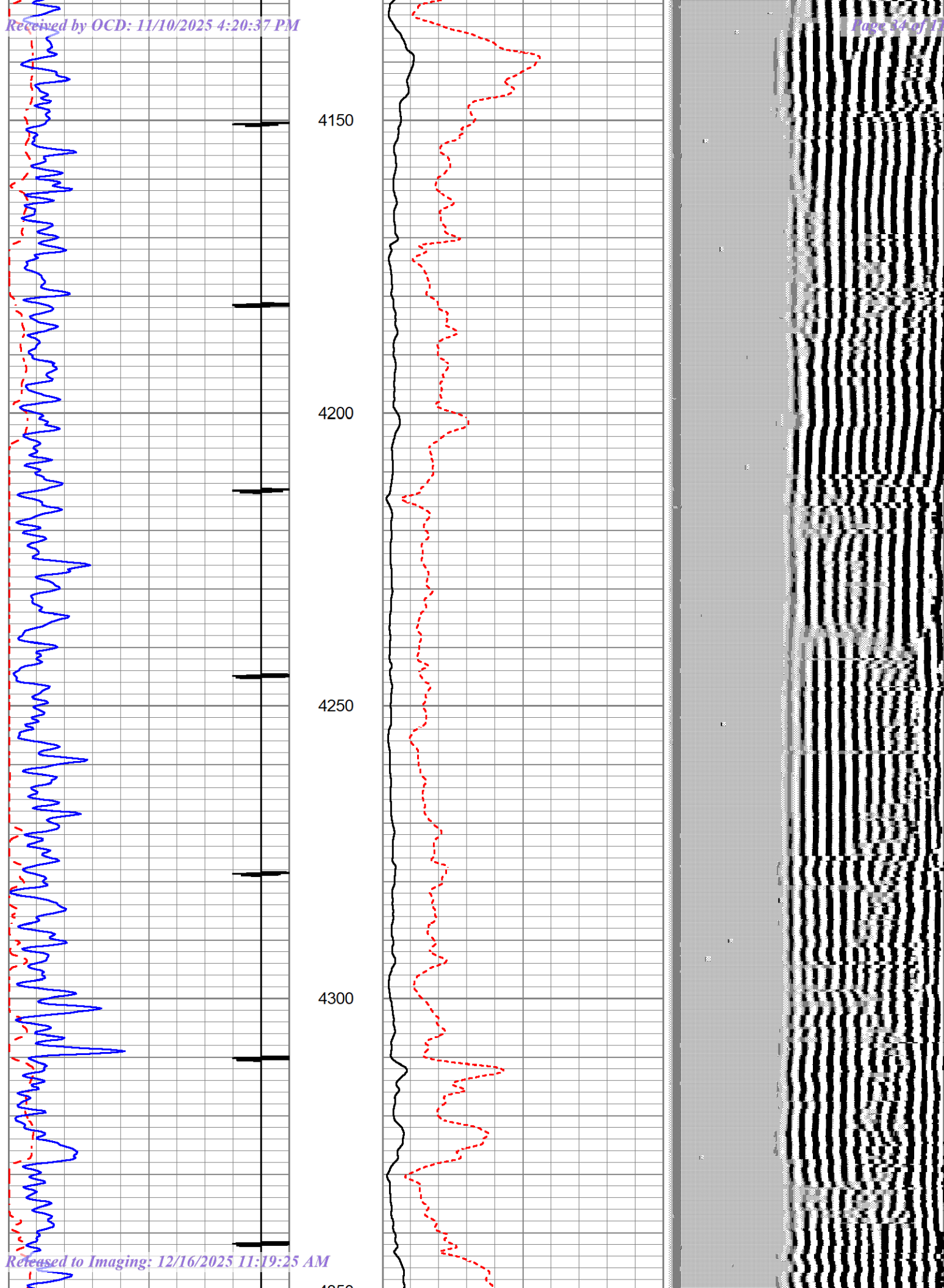


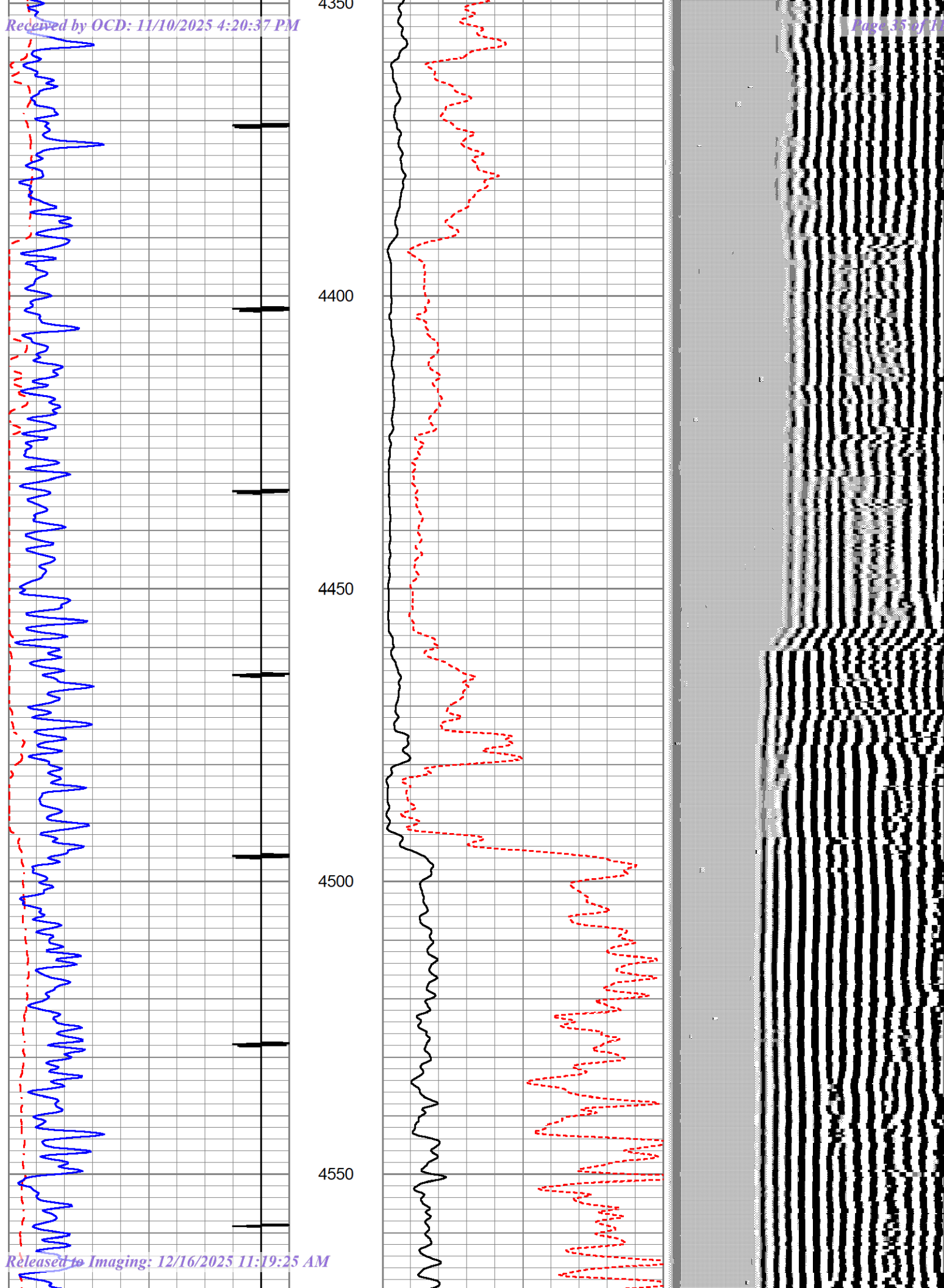


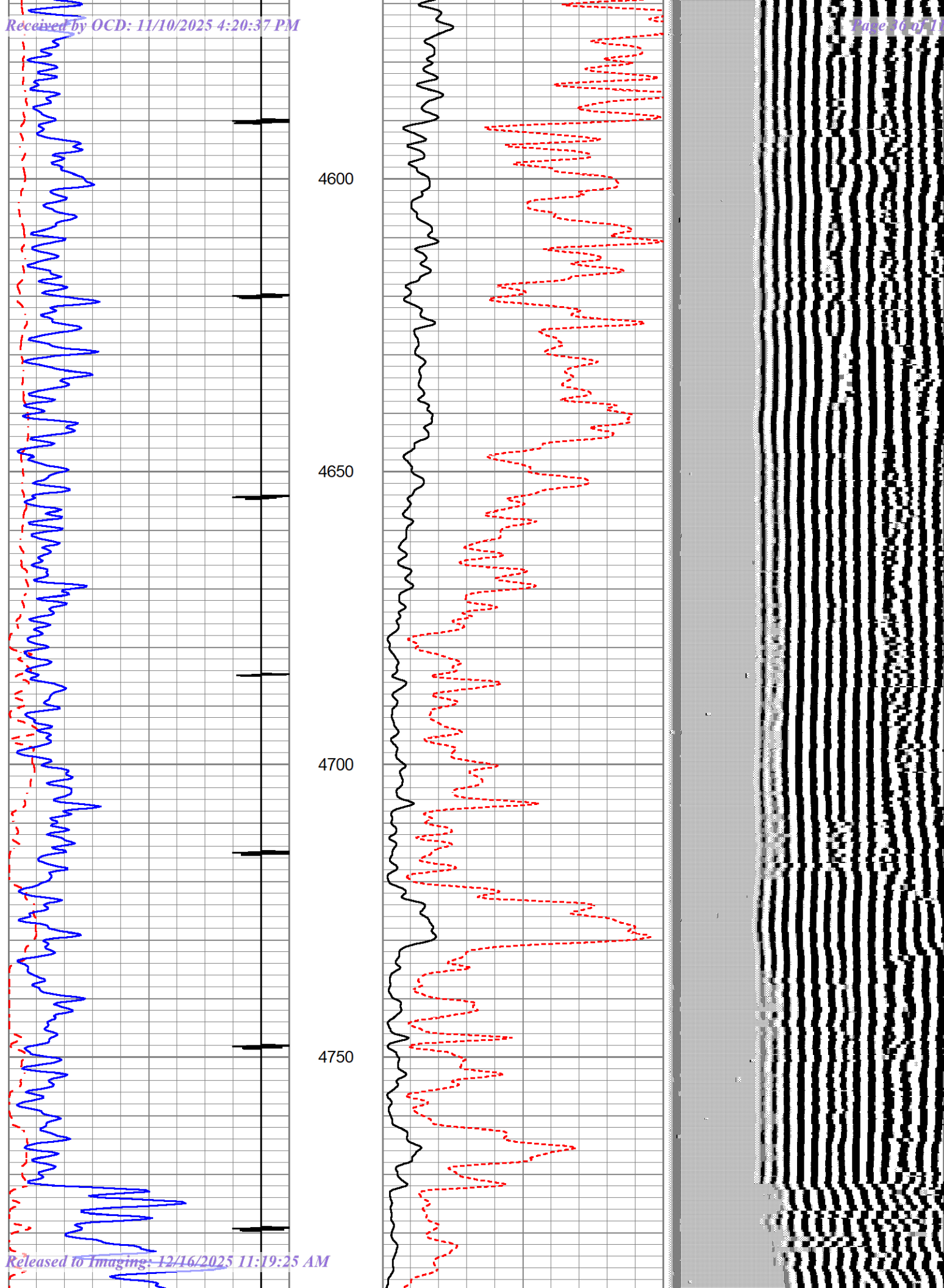


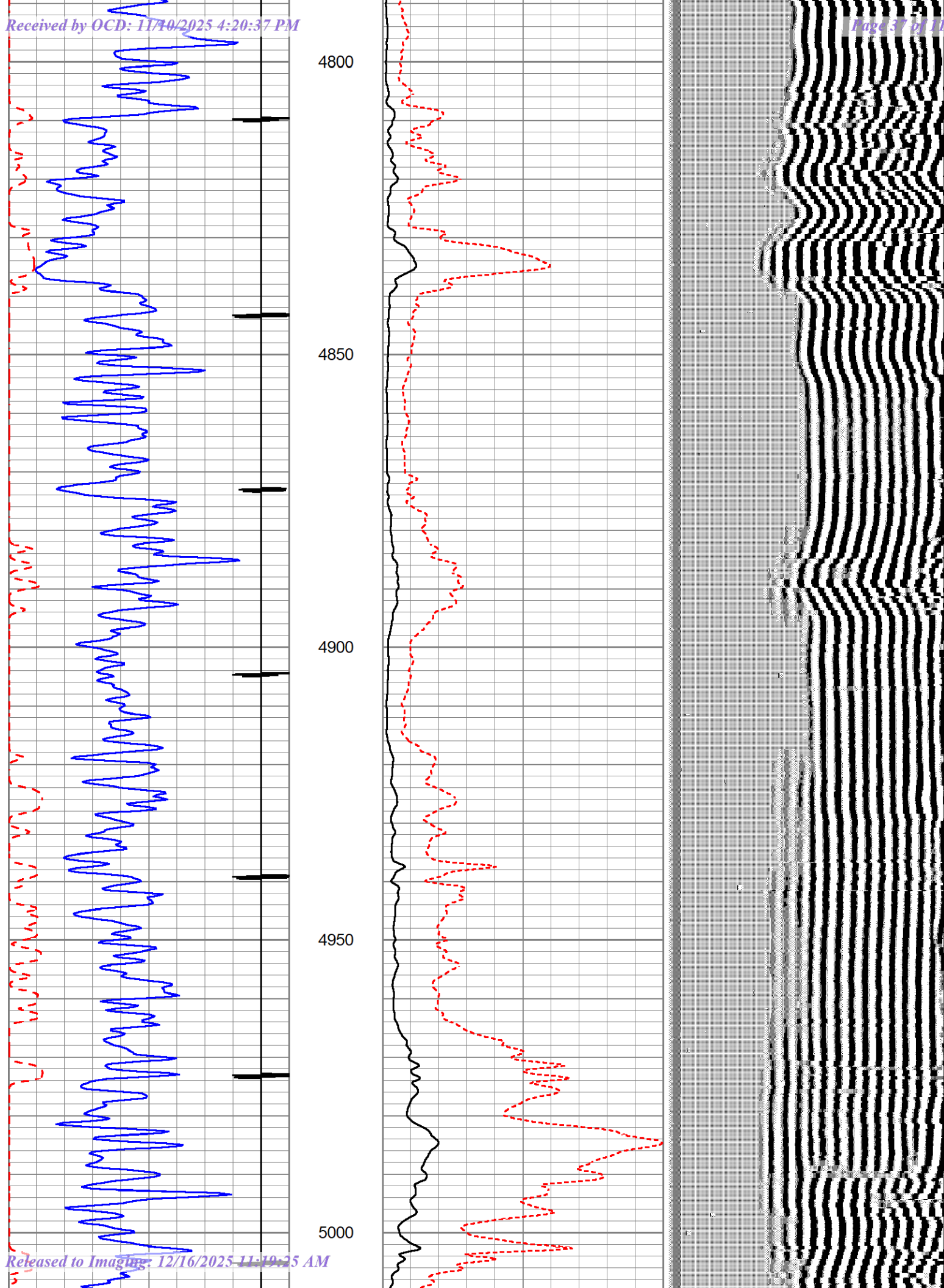


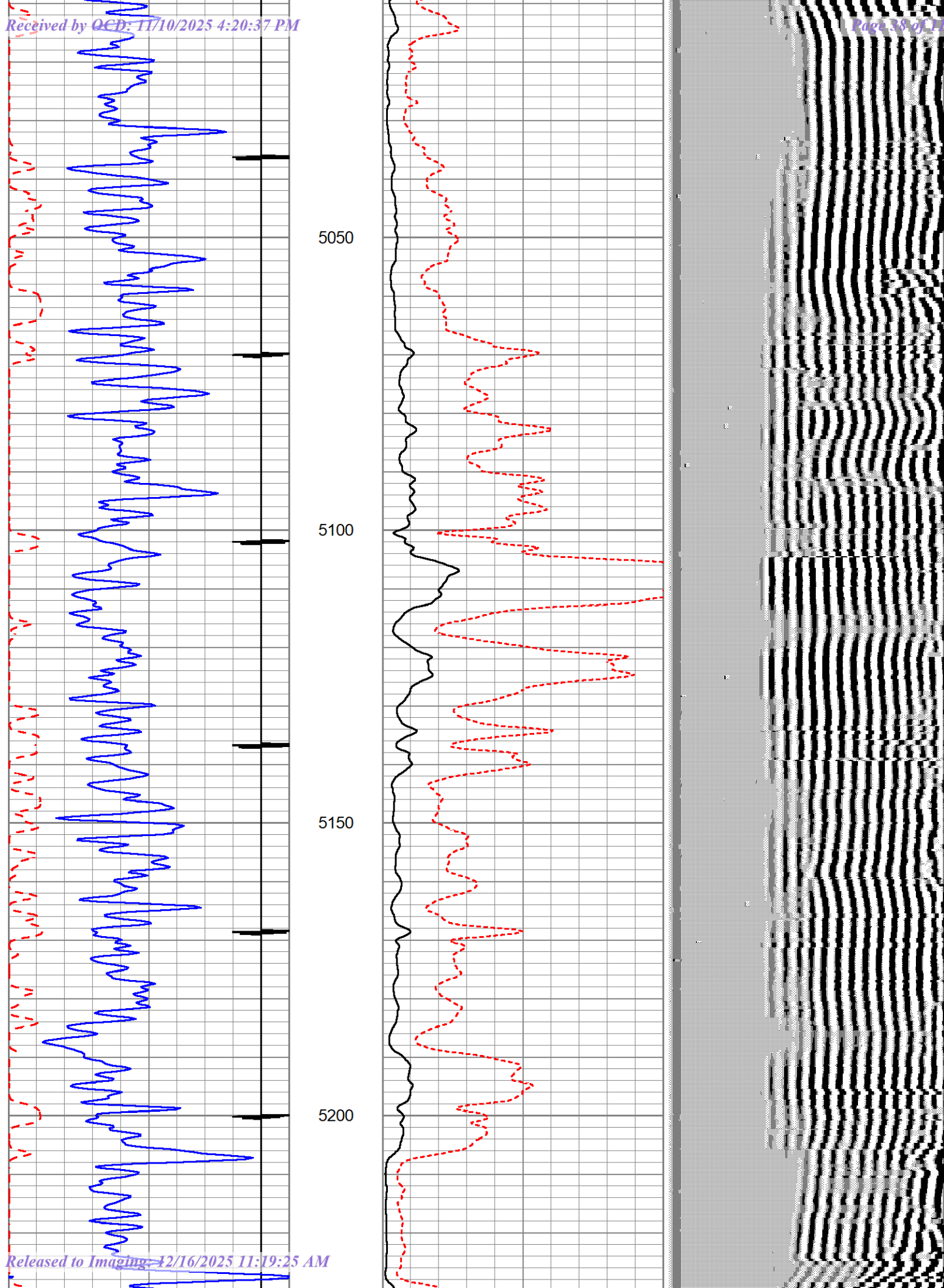


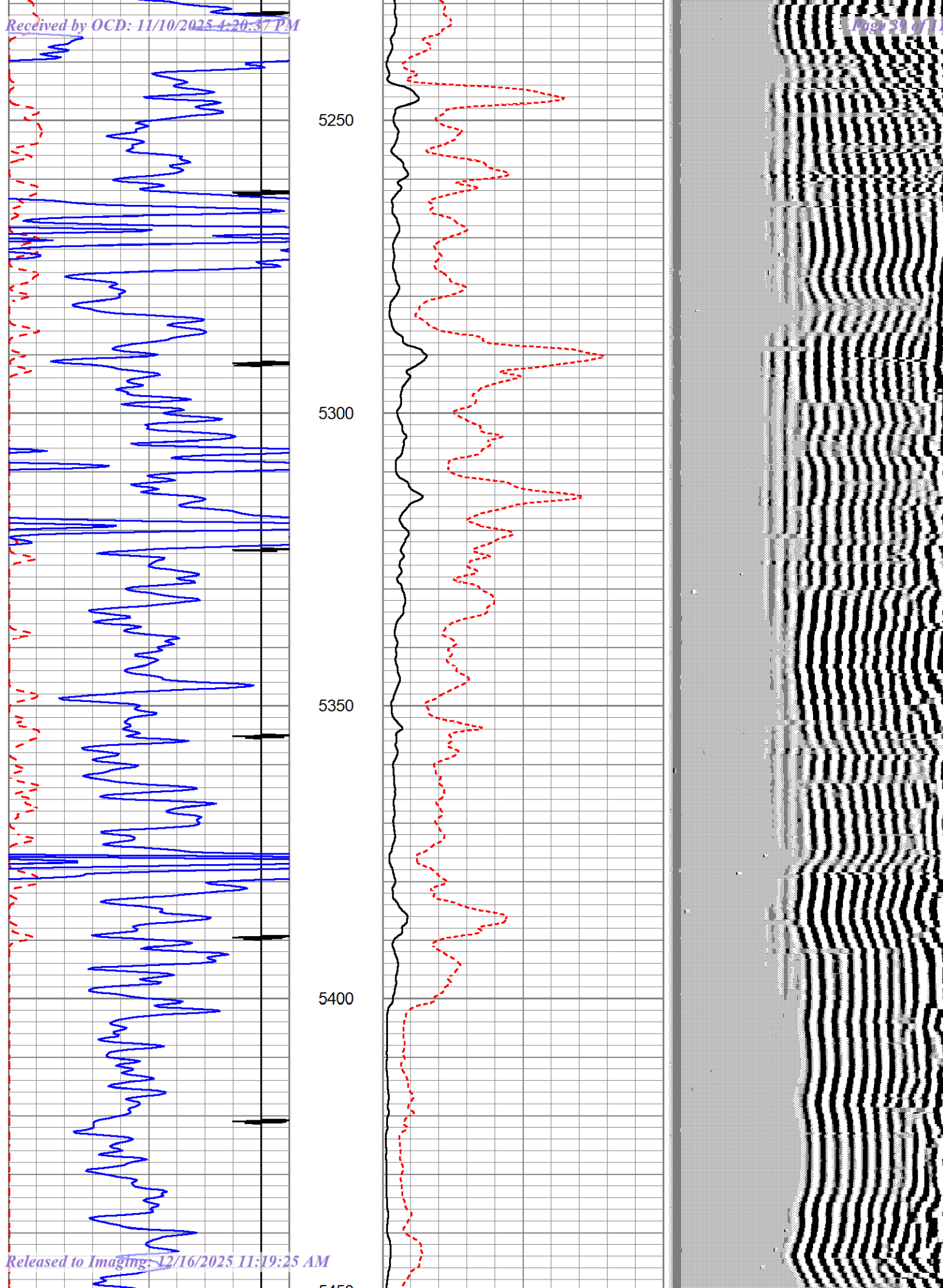


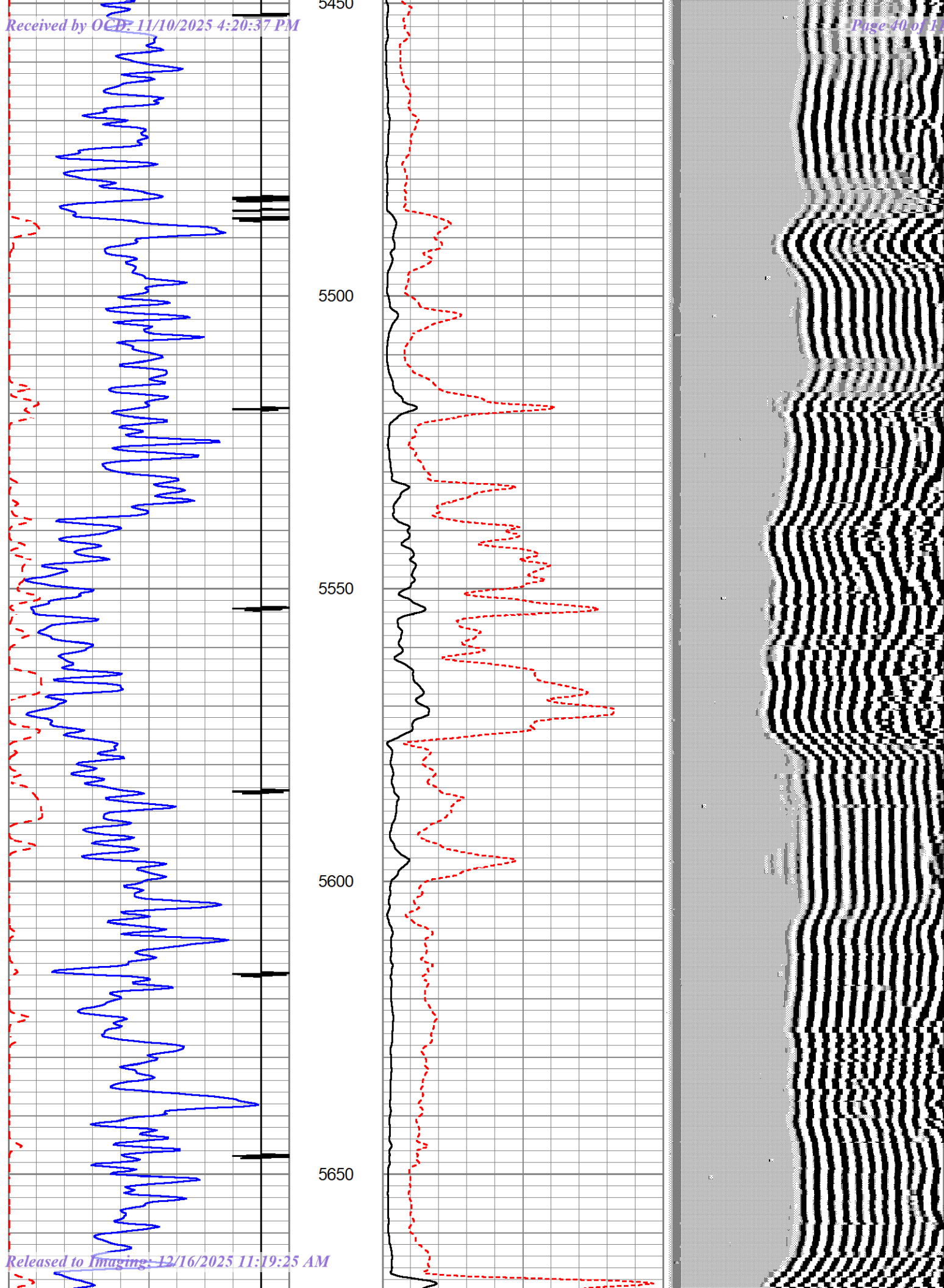


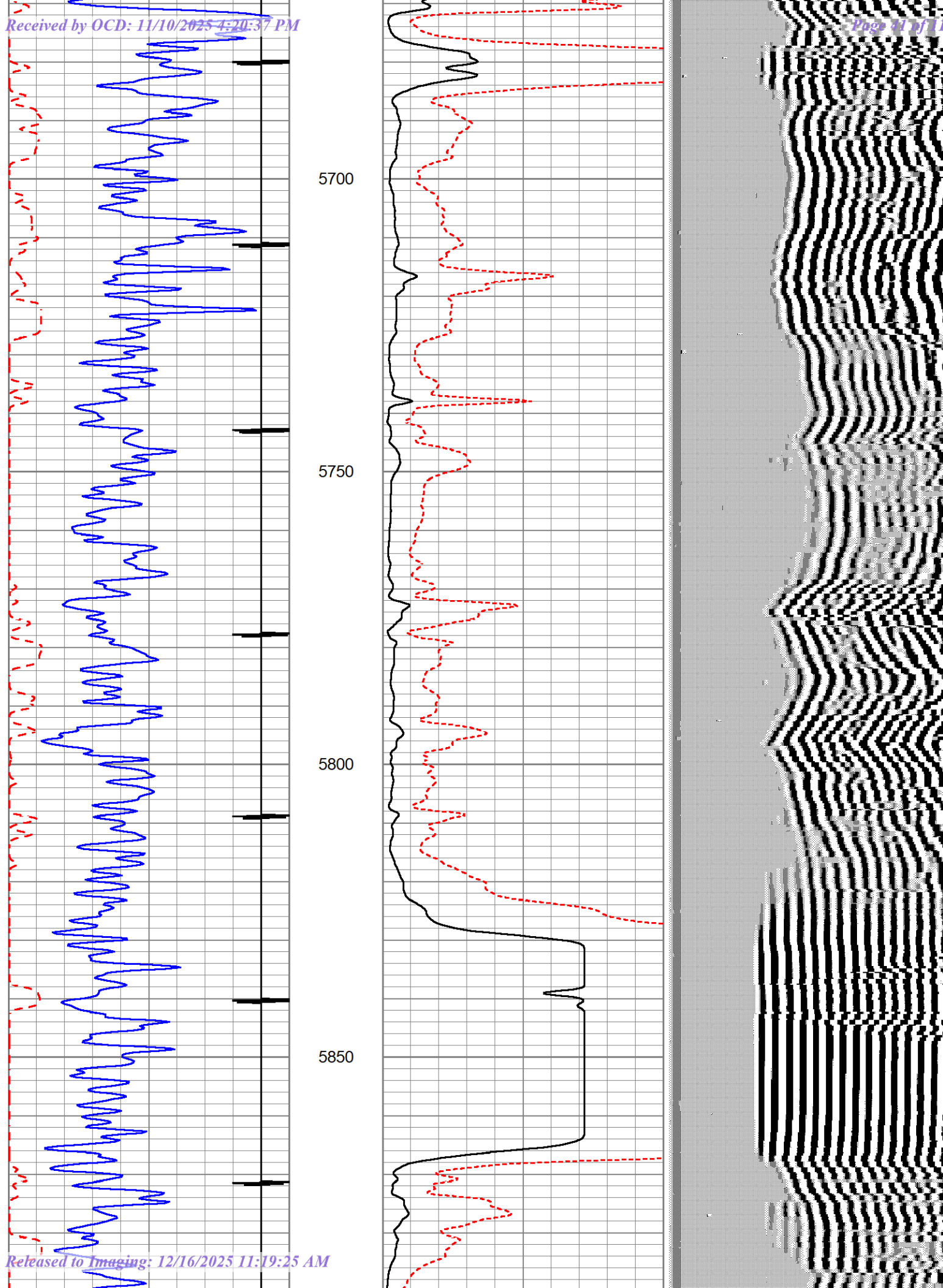


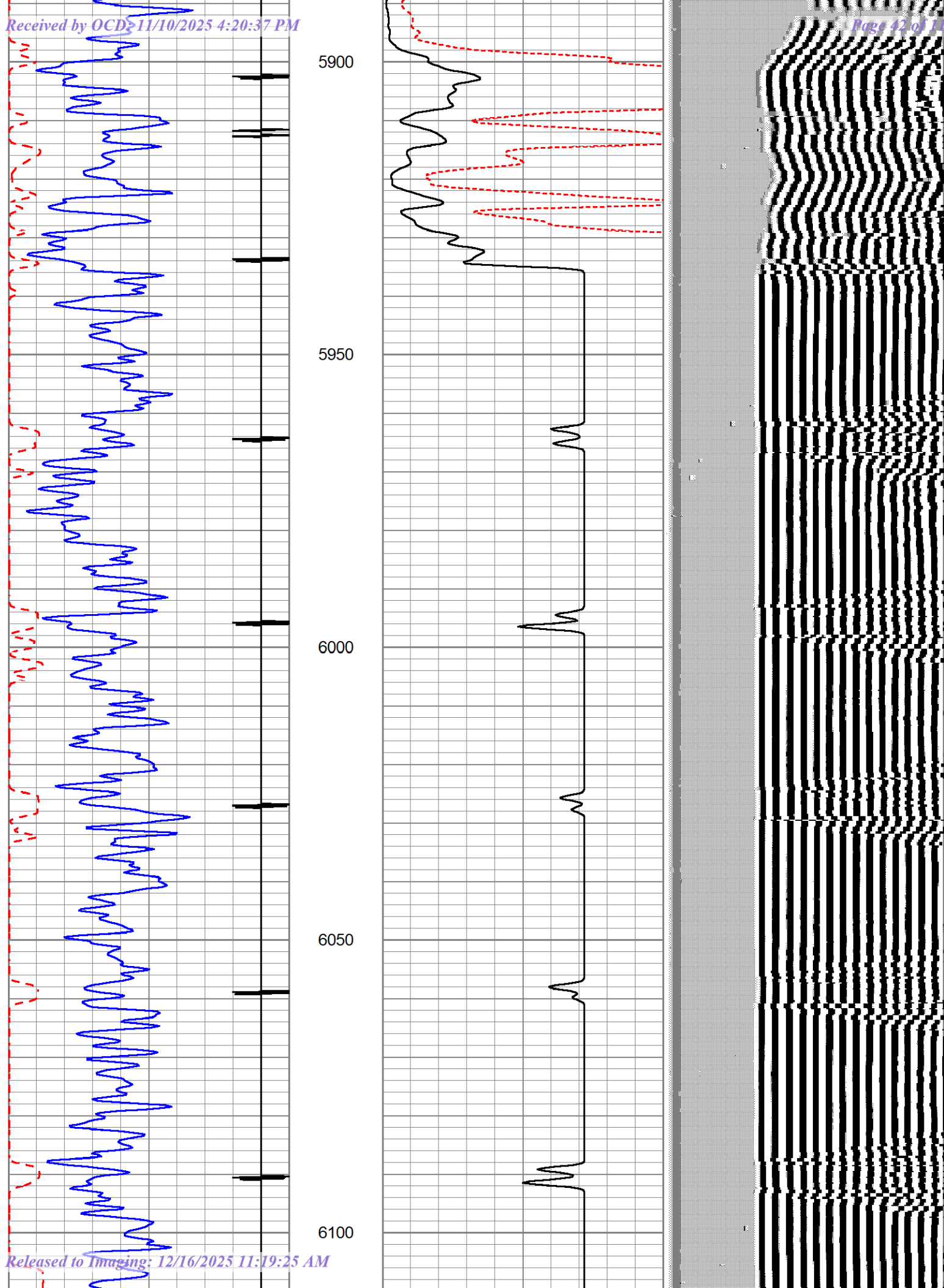


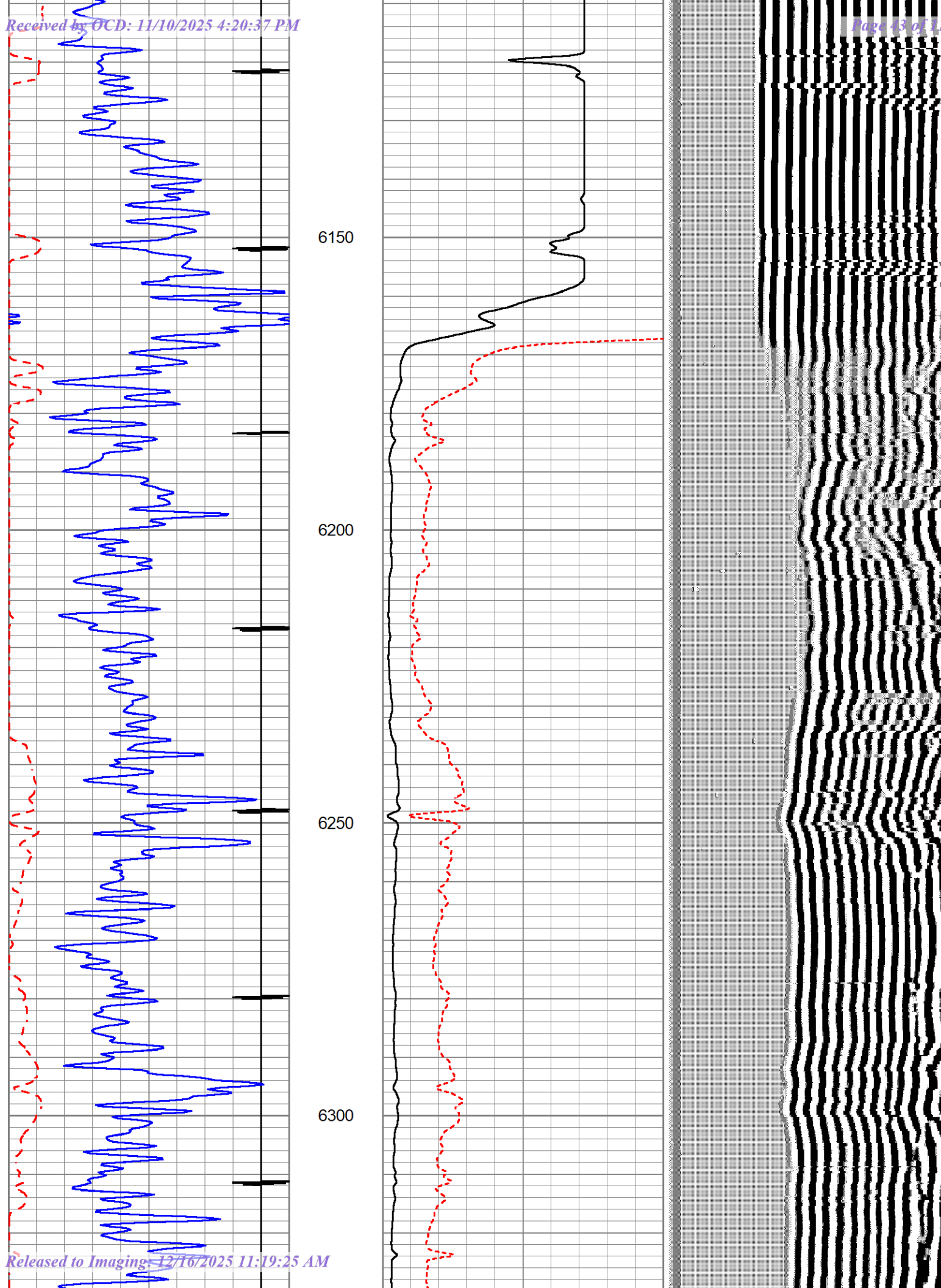


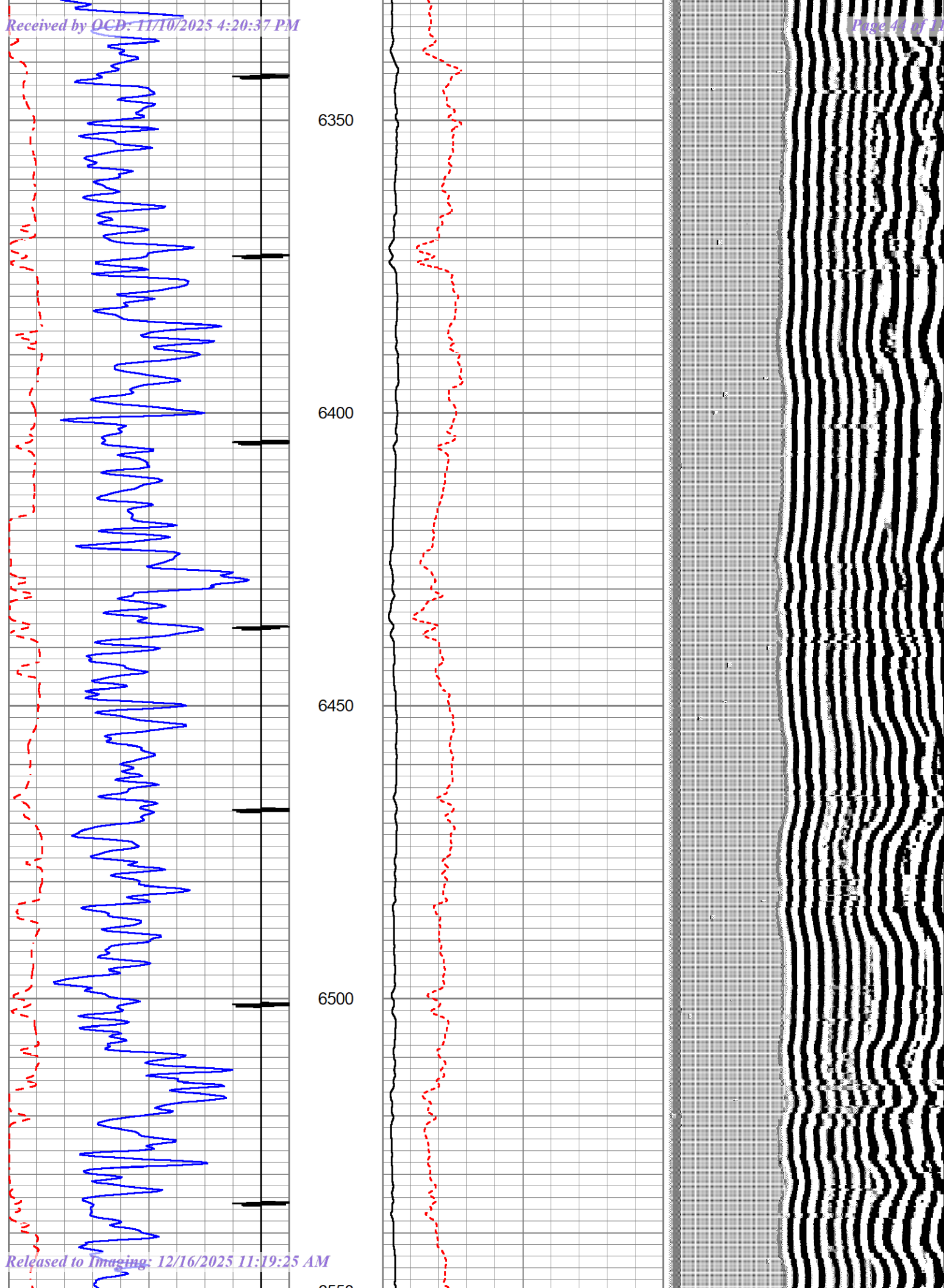


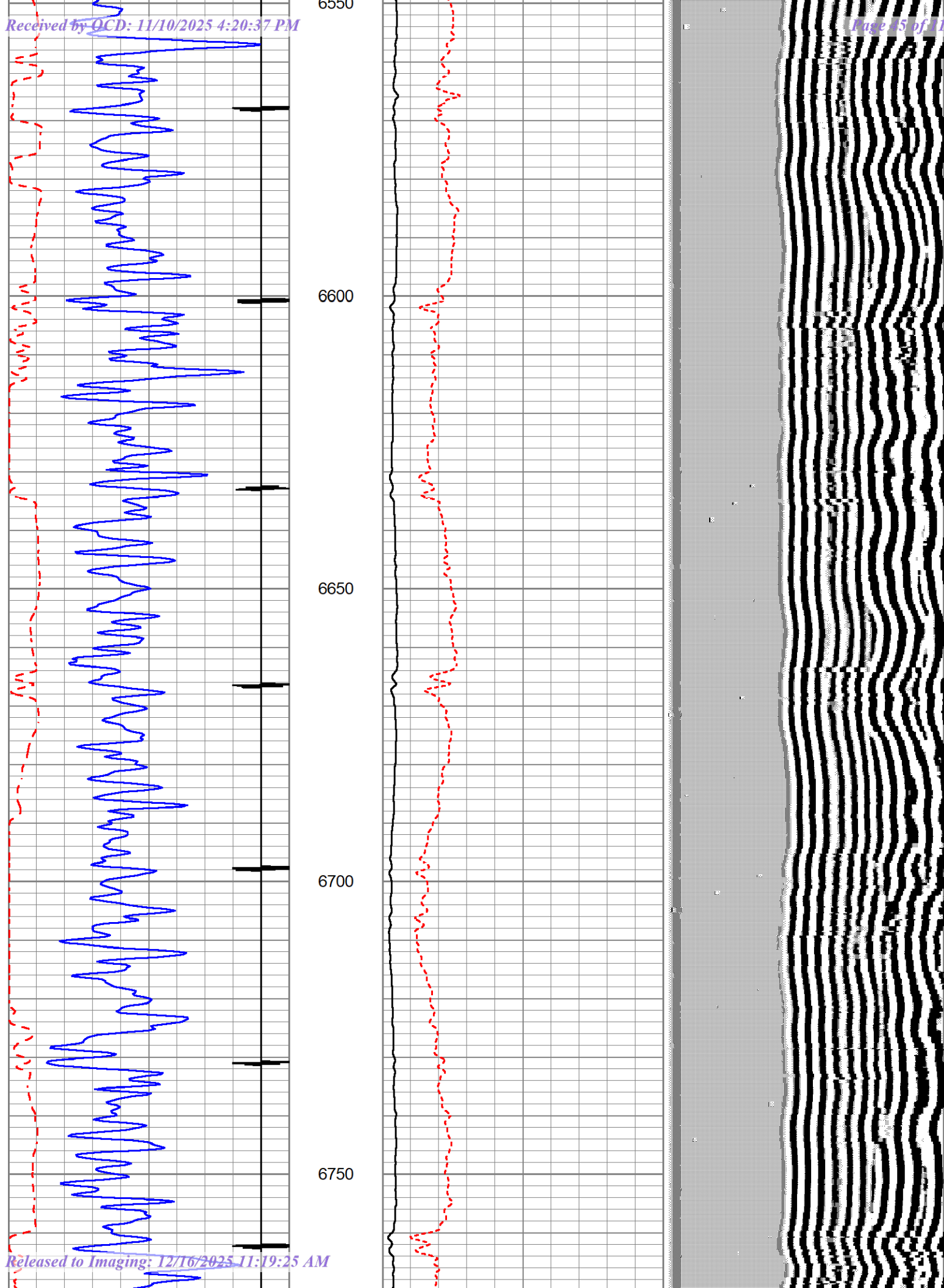


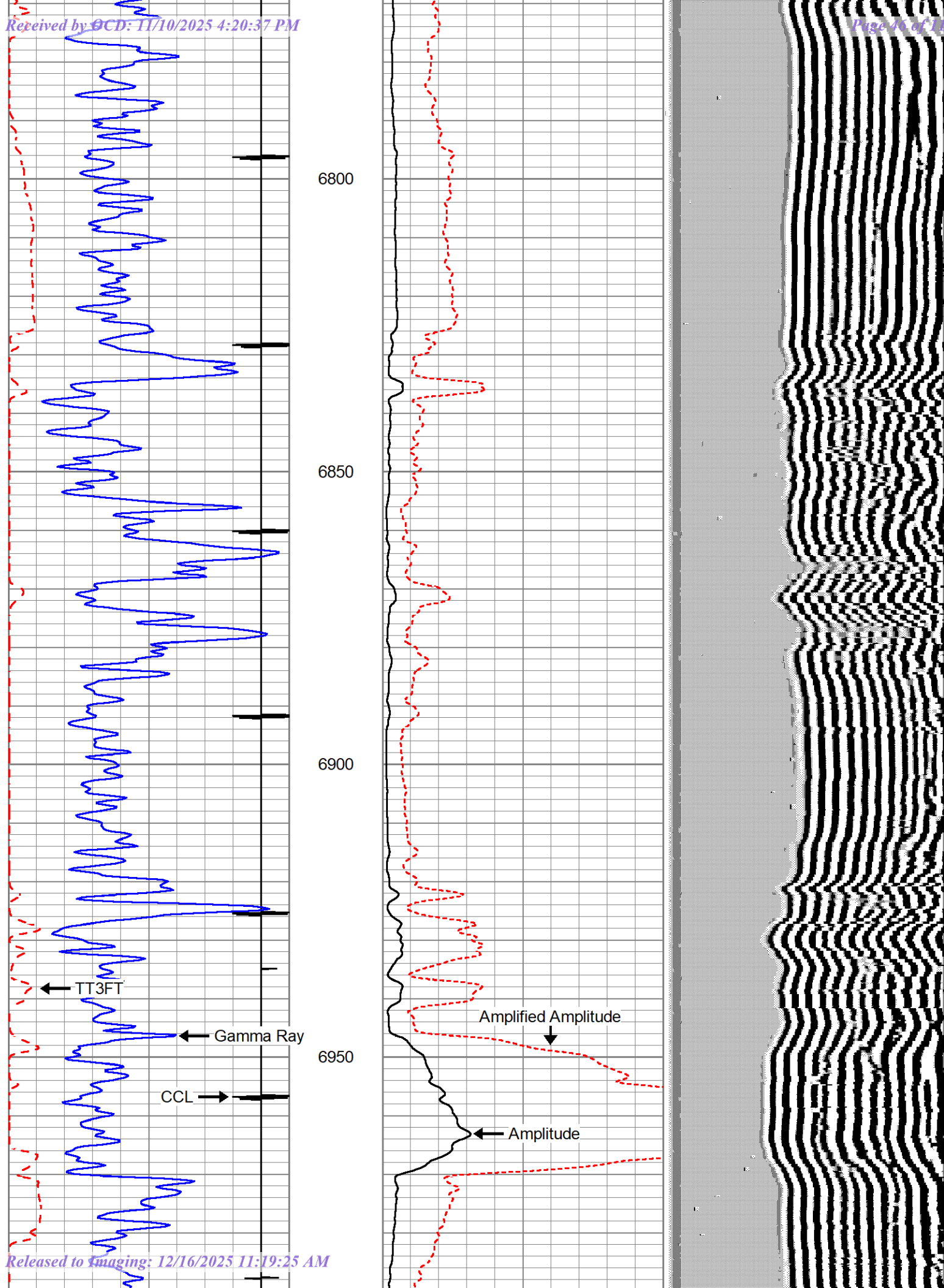












7000					
500	TT3FT (usec)	250	0	Amplified Amplitude (mV)	20
9	Collar Locator	-1	0	Amplitude (mV)	100
0	Gamma Ray (GAPI)	150			

Calibration Report

Database File 08-06-25 m&g.db
Dataset Pathname pass8
Dataset Creation Wed Aug 06 17:54:34 2025

Gamma Ray Calibration Report

Serial Number: IG669-01
Tool Model: Tek-Co 2 3/4
Performed: Wed Feb 25 09:36:55 2015

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 1.0000 GAPI/cps

CBL Calibration Report

Serial Number: 001
Tool Model: TEKCO
Performed: Wed Aug 6 17:21:49 2025

Depth: 3838.950 ft
Casing Diameter: 5.500 in

3' Spacing 5' Spacing

Signal Zero: 1.000 1.000 mV
Calibrated Amplitude: 71.921 71.921 mV
Reading at Signal Zero: 0.000 2.500 V
Reading in Free Pipe: 2.500 2.465 V

Gain: 28.368 -2003.419
Offset: 1.000 5009.547

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30-025-31495



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30-025-31495



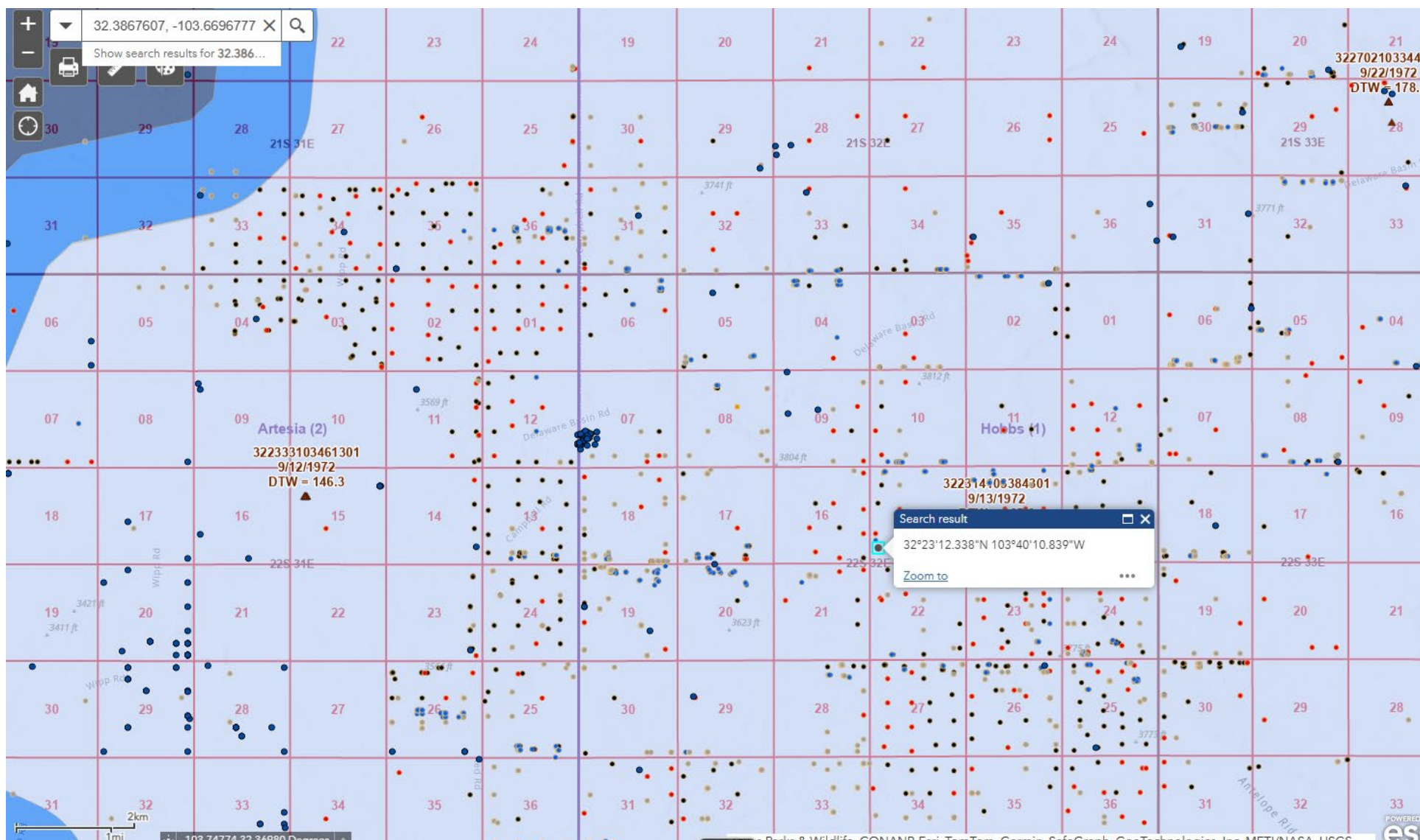
Lechuza Federal #1

30-025-31495

NM OCD Oil and Gas Map

Permian Basin Karst Areas

Low Karst Indicated for 32.3867607, -103.6696777





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 08, 2025

CHEYENNE SCHARF

STRATA PRODUCTION

P. O. BOX 1030

ROSWELL, NM 88202

RE: LECHUZA 1

Enclosed are the results of analyses for samples received by the laboratory on 09/02/25 16:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' at the beginning.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 09/02/2025
 Reported: 09/08/2025
 Project Name: LECHUZA 1
 Project Number: 1
 Project Location: LECHUZA FED 1

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 (H255446-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	2.08	104	2.00	0.728		
Toluene*	<0.050	0.050	09/03/2025	ND	2.11	105	2.00	0.130		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.07	103	2.00	0.534		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.16	103	6.00	0.139		
Total BTEX	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	09/03/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	222	111	200	0.690	
DRO >C10-C28*	70.9	10.0	09/03/2025	ND	210	105	200	0.618	
EXT DRO >C28-C36	30.5	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 09/02/2025
 Reported: 09/08/2025
 Project Name: LECHUZA 1
 Project Number: 1
 Project Location: LECHUZA FED 1

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 2 (H255446-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	2.08	104	2.00	0.728	
Toluene*	<0.050	0.050	09/03/2025	ND	2.11	105	2.00	0.130	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.07	103	2.00	0.534	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.16	103	6.00	0.139	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	09/03/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	222	111	200	0.690	
DRO >C10-C28*	105	10.0	09/03/2025	ND	210	105	200	0.618	
EXT DRO >C28-C36	50.4	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 98.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.9 % 40.6-153

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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 09/02/2025
 Reported: 09/08/2025
 Project Name: LECHUZA 1
 Project Number: 1
 Project Location: LECHUZA FED 1

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 3 (H255446-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	2.08	104	2.00	0.728	
Toluene*	<0.050	0.050	09/03/2025	ND	2.11	105	2.00	0.130	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.07	103	2.00	0.534	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.16	103	6.00	0.139	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7760	16.0	09/03/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	222	111	200	0.690	
DRO >C10-C28*	106	10.0	09/03/2025	ND	210	105	200	0.618	
EXT DRO >C28-C36	45.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 09/02/2025
 Reported: 09/08/2025
 Project Name: LECHUZA 1
 Project Number: 1
 Project Location: LECHUZA FED 1

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 4 (H255446-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	2.08	104	2.00	0.728	
Toluene*	<0.050	0.050	09/03/2025	ND	2.11	105	2.00	0.130	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.07	103	2.00	0.534	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.16	103	6.00	0.139	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9600	16.0	09/03/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	222	111	200	0.690	
DRO >C10-C28*	76.8	10.0	09/03/2025	ND	210	105	200	0.618	
EXT DRO >C28-C36	31.7	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 09/02/2025
 Reported: 09/08/2025
 Project Name: LECHUZA 1
 Project Number: 1
 Project Location: LECHUZA FED 1

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 5 (H255446-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	2.08	104	2.00	0.728	
Toluene*	<0.050	0.050	09/03/2025	ND	2.11	105	2.00	0.130	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.07	103	2.00	0.534	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.16	103	6.00	0.139	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/03/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	222	111	200	0.690	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	210	105	200	0.618	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 96.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.4 % 40.6-153

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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 09/02/2025
 Reported: 09/08/2025
 Project Name: LECHUZA 1
 Project Number: 1
 Project Location: LECHUZA FED 1

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 6 (H255446-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	2.08	104	2.00	0.728	
Toluene*	<0.050	0.050	09/03/2025	ND	2.11	105	2.00	0.130	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.07	103	2.00	0.534	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.16	103	6.00	0.139	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/03/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	222	111	200	0.690	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	210	105	200	0.618	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 09/02/2025
 Reported: 09/08/2025
 Project Name: LECHUZA 1
 Project Number: 1
 Project Location: LECHUZA FED 1

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 7 (H255446-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	2.08	104	2.00	0.728	
Toluene*	<0.050	0.050	09/03/2025	ND	2.11	105	2.00	0.130	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.07	103	2.00	0.534	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.16	103	6.00	0.139	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/03/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	222	111	200	0.690	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	210	105	200	0.618	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.5 % 40.6-153

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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 09/02/2025
 Reported: 09/08/2025
 Project Name: LECHUZA 1
 Project Number: 1
 Project Location: LECHUZA FED 1

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 8 (H255446-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	2.08	104	2.00	0.728	
Toluene*	<0.050	0.050	09/03/2025	ND	2.11	105	2.00	0.130	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.07	103	2.00	0.534	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.16	103	6.00	0.139	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/03/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	222	111	200	0.690	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	210	105	200	0.618	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.3 % 40.6-153

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Strata Production Company</u>				BILL TO				ANALYSIS REQUEST			
Project Manager: <u>Cheyenne Scharf</u>				P.O. #:							
Address: <u>1301 N Sycamore Ave</u>				Company: <u>Strata</u>							
City: <u>Roswell</u>				State: <u>NM</u>				Attn: <u>Same</u>			
Phone #: <u>307-360-3062</u>				Fax #:				Address:			
Project #: <u>1</u>				Project Owner:				City:			
Project Name: <u>Lechuza 1</u>				State:				Zip:			
Project Location: <u>Lechuza Fed 1</u>				Phone #:				Phone #:			
Sampler Name: <u>Rudy G.</u>				Fax #:				Fax #:			

FOR LAB USE ONLY		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		MATRIX		PRESERV.		SAMPLING	
Lab I.D.	Sample I.D.														
<u>H85446</u>															
1	S-1														
2	S-2														
3	S-3														
4	S-4														
5	S-5														
6	S-6														
7	S-7														
8	S-8														

Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C <u>3.6</u> Corrected Temp. °C <u>3.9</u>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		CHECKED BY: (Initials) <u>YCS</u>		Turnaround Time: <u>Standard</u> Rush <input type="checkbox"/> <u>140</u> Bacteria (only) <input type="checkbox"/> <u>140</u> Cool Intact <input type="checkbox"/> <u>140</u> Cool Intact <input type="checkbox"/> <u>140</u> Corrected Temp. °C <u>140</u>	
Relinquished By: <u>[Signature]</u>		Date: <u>8/28/25</u>		Received By: <u>[Signature]</u>		Date: <u>8/28/25</u>		REMARKS: <u>cscharf@stratam.com</u>	

Lechuza Federal #1

API# 30-025-31495

nAPP2522355695

Detailed description of proposed Remediation technique:

Sample soil to delineate the contaminated soil. Remove soil with excavator and haul to Lea Land disposal. Resample area to ensure contamination has been removed or continue process until all contaminated soil is removed from the site. Over excavate delineation points to ensure all contaminants are removed and clean samples are achieved. Take composite samples across excavated area to ensure that all contamination is removed to better than most strict remediation requirements. Replace removed soil with remediated clean soil from Lea Land Disposal.

Lechuza Federal #1
API# 30-025-31495

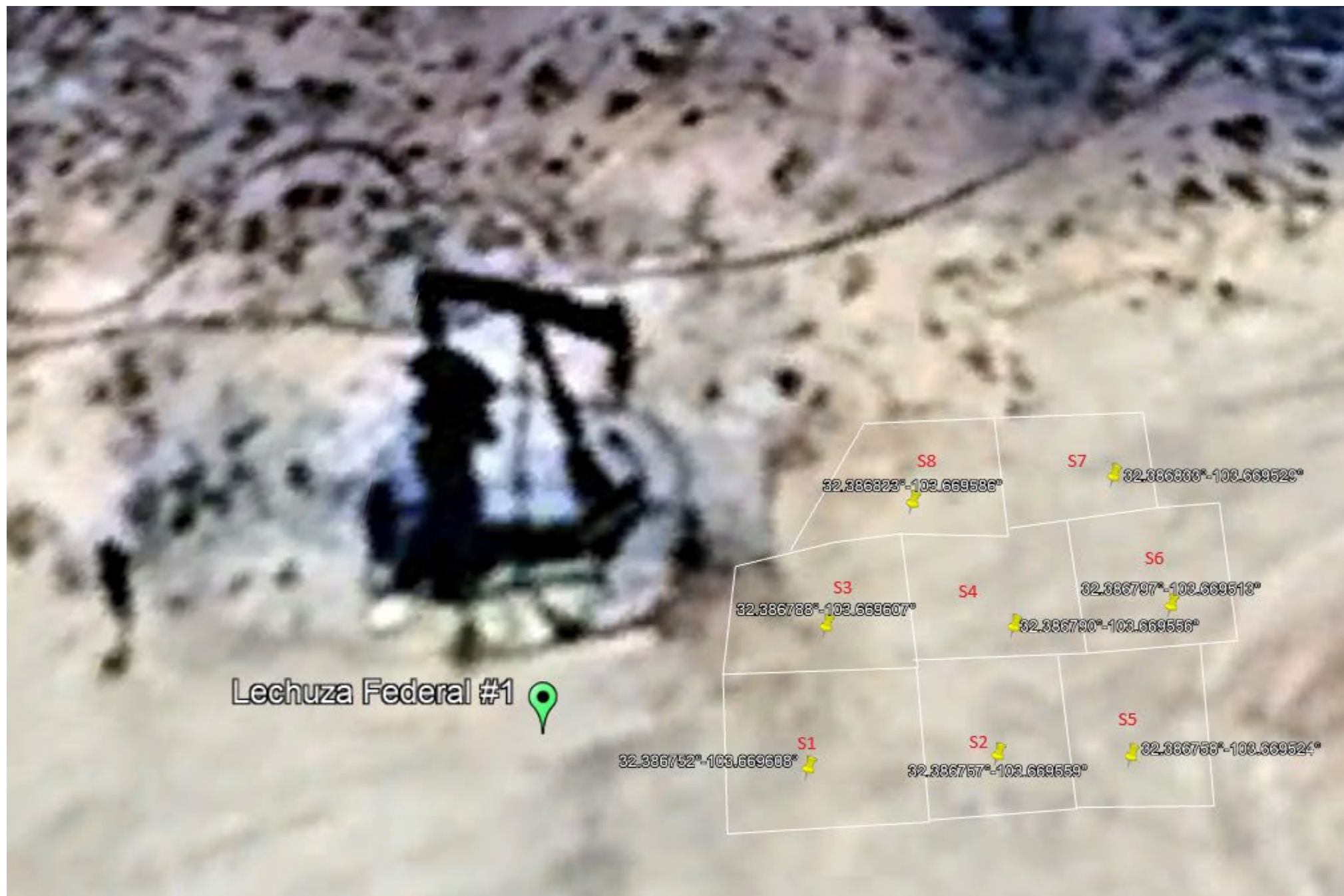
Grid and Sample



Grid Latitude and longitude



Lechuza Federal #1
API# 30-025-31495



Lechuza Federal #1
API# 30-025-31495

S1	32.386752°	-103.669608°
S2	32.386757°	-103.669559°
S3	32.386788°	-103.669607°
S4	32.386790°	-103.669556°
S5	32.386758°	-103.669524°
S6	32.386797°	-103.669513°
S7	32.386833°	-103.669529°
S8	32.386823°	-103.669586°

Lechuza Federal #1 API#
30-025-31495

Schedule of Remediation

- Estimated date Remediation to Commence: 09/22/2025
- Final Sampling will Occur: 10/30/2025
- Remediation Completed: 10/31/2025
- Estimated Surface area to be Reclaimed: 500 sqft
- Estimated Volume to be Reclaimed: 50 yds
- Estimated Remediated Surface Area: 500 sqft
- Estimated Remediated volume: 50 yds

Lechuza Federal #1
API# 30-025-31495
Grid and Sample



Lechuza Federal #1
API# 30-025-31495
Grid and Sample
Latitude and Longitude



Lechuza Federal #1
API# 30-025-31495
Spill Cleanup #1



Lechuza Federal #1
API# 30-025-31495
Spill Cleanup #2



Lechuza Federal #1
API# 30-025-31495
Spill Cleanup #3





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

October 31, 2025

CHEYENNE SCHARF

STRATA PRODUCTION

P. O. BOX 1030

ROSWELL, NM 88202

RE: LECHUZA 1

Enclosed are the results of analyses for samples received by the laboratory on 10/30/25 9:58.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 10/30/2025
 Reported: 10/31/2025
 Project Name: LECHUZA 1
 Project Number: LECHUZA 1
 Project Location: LECHUZA FED 1

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 1 (H256831-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2025	ND	1.83	91.7	2.00	3.81	
Toluene*	<0.050	0.050	10/30/2025	ND	2.01	101	2.00	2.70	
Ethylbenzene*	<0.050	0.050	10/30/2025	ND	1.94	96.8	2.00	2.70	
Total Xylenes*	<0.150	0.150	10/30/2025	ND	5.73	95.5	6.00	1.93	
Total BTX	<0.300	0.300	10/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2025	ND	195	97.6	200	0.207	
DRO >C10-C28*	<10.0	10.0	10/30/2025	ND	196	97.9	200	0.635	
EXT DRO >C28-C36	<10.0	10.0	10/30/2025	ND					

Surrogate: 1-Chlorooctane 86.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.3 % 39.9-141

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 10/30/2025
 Reported: 10/31/2025
 Project Name: LECHUZA 1
 Project Number: LECHUZA 1
 Project Location: LECHUZA FED 1

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 2 (H256831-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2025	ND	1.83	91.7	2.00	3.81		
Toluene*	<0.050	0.050	10/30/2025	ND	2.01	101	2.00	2.70		
Ethylbenzene*	<0.050	0.050	10/30/2025	ND	1.94	96.8	2.00	2.70		
Total Xylenes*	<0.150	0.150	10/30/2025	ND	5.73	95.5	6.00	1.93		
Total BTX	<0.300	0.300	10/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2025	ND	195	97.6	200	0.207	
DRO >C10-C28*	<10.0	10.0	10/30/2025	ND	196	97.9	200	0.635	
EXT DRO >C28-C36	<10.0	10.0	10/30/2025	ND					

Surrogate: 1-Chlorooctane 80.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 10/30/2025
 Reported: 10/31/2025
 Project Name: LECHUZA 1
 Project Number: LECHUZA 1
 Project Location: LECHUZA FED 1

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 3 (H256831-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2025	ND	1.83	91.7	2.00	3.81		
Toluene*	<0.050	0.050	10/30/2025	ND	2.01	101	2.00	2.70		
Ethylbenzene*	<0.050	0.050	10/30/2025	ND	1.94	96.8	2.00	2.70		
Total Xylenes*	<0.150	0.150	10/30/2025	ND	5.73	95.5	6.00	1.93		
Total BTEX	<0.300	0.300	10/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2025	ND	195	97.6	200	0.207	
DRO >C10-C28*	<10.0	10.0	10/30/2025	ND	196	97.9	200	0.635	
EXT DRO >C28-C36	<10.0	10.0	10/30/2025	ND					

Surrogate: 1-Chlorooctane 84.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 10/30/2025
 Reported: 10/31/2025
 Project Name: LECHUZA 1
 Project Number: LECHUZA 1
 Project Location: LECHUZA FED 1

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 4 (H256831-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2025	ND	1.83	91.7	2.00	3.81		
Toluene*	<0.050	0.050	10/30/2025	ND	2.01	101	2.00	2.70		
Ethylbenzene*	<0.050	0.050	10/30/2025	ND	1.94	96.8	2.00	2.70		
Total Xylenes*	<0.150	0.150	10/30/2025	ND	5.73	95.5	6.00	1.93		
Total BTEX	<0.300	0.300	10/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2025	ND	195	97.6	200	0.207	
DRO >C10-C28*	<10.0	10.0	10/30/2025	ND	196	97.9	200	0.635	
EXT DRO >C28-C36	<10.0	10.0	10/30/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 10/30/2025
 Reported: 10/31/2025
 Project Name: LECHUZA 1
 Project Number: LECHUZA 1
 Project Location: LECHUZA FED 1

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 5 (H256831-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2025	ND	1.83	91.7	2.00	3.81		
Toluene*	<0.050	0.050	10/30/2025	ND	2.01	101	2.00	2.70		
Ethylbenzene*	<0.050	0.050	10/30/2025	ND	1.94	96.8	2.00	2.70		
Total Xylenes*	<0.150	0.150	10/30/2025	ND	5.73	95.5	6.00	1.93		
Total BTEX	<0.300	0.300	10/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2025	ND	195	97.6	200	0.207	
DRO >C10-C28*	<10.0	10.0	10/31/2025	ND	196	97.9	200	0.635	
EXT DRO >C28-C36	<10.0	10.0	10/31/2025	ND					

Surrogate: 1-Chlorooctane 80.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 10/30/2025
 Reported: 10/31/2025
 Project Name: LECHUZA 1
 Project Number: LECHUZA 1
 Project Location: LECHUZA FED 1

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 6 (H256831-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2025	ND	1.83	91.7	2.00	3.81		
Toluene*	<0.050	0.050	10/30/2025	ND	2.01	101	2.00	2.70		
Ethylbenzene*	<0.050	0.050	10/30/2025	ND	1.94	96.8	2.00	2.70		
Total Xylenes*	<0.150	0.150	10/30/2025	ND	5.73	95.5	6.00	1.93		
Total BTX	<0.300	0.300	10/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2025	ND	195	97.6	200	0.207	
DRO >C10-C28*	<10.0	10.0	10/31/2025	ND	196	97.9	200	0.635	
EXT DRO >C28-C36	<10.0	10.0	10/31/2025	ND					

Surrogate: 1-Chlorooctane 89.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 10/30/2025
 Reported: 10/31/2025
 Project Name: LECHUZA 1
 Project Number: LECHUZA 1
 Project Location: LECHUZA FED 1

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 7 (H256831-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2025	ND	1.83	91.7	2.00	3.81		
Toluene*	<0.050	0.050	10/30/2025	ND	2.01	101	2.00	2.70		
Ethylbenzene*	<0.050	0.050	10/30/2025	ND	1.94	96.8	2.00	2.70		
Total Xylenes*	<0.150	0.150	10/30/2025	ND	5.73	95.5	6.00	1.93		
Total BTX	<0.300	0.300	10/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2025	ND	195	97.6	200	0.207	
DRO >C10-C28*	<10.0	10.0	10/31/2025	ND	196	97.9	200	0.635	
EXT DRO >C28-C36	<10.0	10.0	10/31/2025	ND					

Surrogate: 1-Chlorooctane 84.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 10/30/2025
 Reported: 10/31/2025
 Project Name: LECHUZA 1
 Project Number: LECHUZA 1
 Project Location: LECHUZA FED 1

Sampling Date: 10/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: 8 (H256831-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2025	ND	1.83	91.7	2.00	3.81		
Toluene*	<0.050	0.050	10/30/2025	ND	2.01	101	2.00	2.70		
Ethylbenzene*	<0.050	0.050	10/30/2025	ND	1.94	96.8	2.00	2.70		
Total Xylenes*	<0.150	0.150	10/30/2025	ND	5.73	95.5	6.00	1.93		
Total BTEX	<0.300	0.300	10/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/30/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2025	ND	195	97.6	200	0.207	
DRO >C10-C28*	<10.0	10.0	10/31/2025	ND	196	97.9	200	0.635	
EXT DRO >C28-C36	<10.0	10.0	10/31/2025	ND					

Surrogate: 1-Chlorooctane 85.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.3 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: <u>Strata Production Company</u> Project Manager: <u>Cheyenne Scharf</u> Address: <u>1301 N Sycamore Ave</u> City: <u>Roswell</u> State: <u>NM</u> Zip: <u>88201</u> Phone #: <u>307-360-3062</u> Fax #: _____ Project #: <u>Lechuza 1</u> Project Owner: <u>Strata</u> Project Name: <u>Lechuza 1</u> Project Location: <u>Lechuza 1</u> Sampler Name: <u>Cheyenne Scharf</u>				P.O. #: _____ Company: <u>Strata</u> Attn: <u>Cheyenne Scharf</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____			
BILL TO				ANALYSIS REQUEST			
Lab I.D. <u>H0510831</u>		Sample I.D. <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u>		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX PRESERV SAMPLING	
Date: <u>10/30/25</u> Time: <u>0958</u> Date: _____ Time: _____		Received By: <u>Shadrach</u> Received By: _____ Date: _____ Time: _____		DATE <u>10/30</u> TIME <u>0745</u> <u>0748</u> <u>0750</u> <u>0752</u> <u>0755</u> <u>0756</u> <u>0758</u> <u>0801</u>		BTEX TPH Ext. / TPH CL	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____				Observed Temp. °C: <u>5.3</u> Corrected Temp. °C: <u>5.10</u> Sample Condition: Cool Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cool Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No			
Relinquished By: <u>Cheyenne Scharf</u> Relinquished By: _____				Turnaround Time: <u>Standard</u> #40 +0.3- <u>Push</u> Thermometer ID: <u>#113</u> Correction Factor: <u>-0.01</u> Bacteria (only) Sample Condition: Cool Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cool Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C: _____			
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____ REMARKS: <u>CScharf@strata-nm.com</u> <u>0403401K</u>				Turnaround Time: <u>Standard</u> #40 +0.3- <u>Push</u> Thermometer ID: <u>#113</u> Correction Factor: <u>-0.01</u> Bacteria (only) Sample Condition: Cool Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cool Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C: _____			

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

October 24, 2025

CHEYENNE SCHARF

STRATA PRODUCTION

P. O. BOX 1030

ROSWELL, NM 88202

RE: LECHUZA 1

Enclosed are the results of analyses for samples received by the laboratory on 10/20/25 10:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 10/20/2025
 Reported: 10/24/2025
 Project Name: LECHUZA 1
 Project Number: LECHUZA 1
 Project Location: LECHUZA FED 1

Sampling Date: 10/20/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: 1 (H256594-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/21/2025	ND	2.01	101	2.00	0.609		
Toluene*	<0.050	0.050	10/21/2025	ND	2.06	103	2.00	1.79		
Ethylbenzene*	<0.050	0.050	10/21/2025	ND	2.05	102	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/21/2025	ND	6.36	106	6.00	2.62		
Total BTEX	<0.300	0.300	10/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/20/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2025	ND	173	86.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	10/20/2025	ND	171	85.5	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 10/20/2025
 Reported: 10/24/2025
 Project Name: LECHUZA 1
 Project Number: LECHUZA 1
 Project Location: LECHUZA FED 1

Sampling Date: 10/20/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: 2 (H256594-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2025	ND	2.01	101	2.00	0.609	
Toluene*	<0.050	0.050	10/21/2025	ND	2.06	103	2.00	1.79	
Ethylbenzene*	<0.050	0.050	10/21/2025	ND	2.05	102	2.00	2.27	
Total Xylenes*	<0.150	0.150	10/21/2025	ND	6.36	106	6.00	2.62	
Total BTEX	<0.300	0.300	10/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/20/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2025	ND	173	86.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	10/20/2025	ND	171	85.5	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND					

Surrogate: 1-Chlorooctane 93.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.3 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 10/20/2025
 Reported: 10/24/2025
 Project Name: LECHUZA 1
 Project Number: LECHUZA 1
 Project Location: LECHUZA FED 1

Sampling Date: 10/20/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: 3 (H256594-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/21/2025	ND	2.01	101	2.00	0.609		
Toluene*	<0.050	0.050	10/21/2025	ND	2.06	103	2.00	1.79		
Ethylbenzene*	<0.050	0.050	10/21/2025	ND	2.05	102	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/21/2025	ND	6.36	106	6.00	2.62		
Total BTEX	<0.300	0.300	10/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/20/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2025	ND	173	86.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	10/20/2025	ND	171	85.5	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND					

Surrogate: 1-Chlorooctane 100 % 52.4-130

Surrogate: 1-Chlorooctadecane 98.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 10/20/2025
 Reported: 10/24/2025
 Project Name: LECHUZA 1
 Project Number: LECHUZA 1
 Project Location: LECHUZA FED 1

Sampling Date: 10/20/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: 4 (H256594-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/21/2025	ND	2.01	101	2.00	0.609		
Toluene*	<0.050	0.050	10/21/2025	ND	2.06	103	2.00	1.79		
Ethylbenzene*	<0.050	0.050	10/21/2025	ND	2.05	102	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/21/2025	ND	6.36	106	6.00	2.62		
Total BTEX	<0.300	0.300	10/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/20/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2025	ND	173	86.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	10/20/2025	ND	171	85.5	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 10/20/2025
 Reported: 10/24/2025
 Project Name: LECHUZA 1
 Project Number: LECHUZA 1
 Project Location: LECHUZA FED 1

Sampling Date: 10/20/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: 5 (H256594-05)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2025	ND	2.01	101	2.00	0.609	
Toluene*	<0.050	0.050	10/21/2025	ND	2.06	103	2.00	1.79	
Ethylbenzene*	<0.050	0.050	10/21/2025	ND	2.05	102	2.00	2.27	
Total Xylenes*	<0.150	0.150	10/21/2025	ND	6.36	106	6.00	2.62	
Total BTX	<0.300	0.300	10/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/20/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2025	ND	173	86.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	10/20/2025	ND	171	85.5	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND					

Surrogate: 1-Chlorooctane 92.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 10/20/2025
 Reported: 10/24/2025
 Project Name: LECHUZA 1
 Project Number: LECHUZA 1
 Project Location: LECHUZA FED 1

Sampling Date: 10/20/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: 6 (H256594-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/21/2025	ND	2.01	101	2.00	0.609		
Toluene*	<0.050	0.050	10/21/2025	ND	2.06	103	2.00	1.79		
Ethylbenzene*	<0.050	0.050	10/21/2025	ND	2.05	102	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/21/2025	ND	6.36	106	6.00	2.62		
Total BTEX	<0.300	0.300	10/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/20/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2025	ND	173	86.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	10/20/2025	ND	171	85.5	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.8 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 10/20/2025
 Reported: 10/24/2025
 Project Name: LECHUZA 1
 Project Number: LECHUZA 1
 Project Location: LECHUZA FED 1

Sampling Date: 10/20/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: 7 (H256594-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/21/2025	ND	2.01	101	2.00	0.609		
Toluene*	<0.050	0.050	10/21/2025	ND	2.06	103	2.00	1.79		
Ethylbenzene*	<0.050	0.050	10/21/2025	ND	2.05	102	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/21/2025	ND	6.36	106	6.00	2.62		
Total BTEX	<0.300	0.300	10/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/20/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2025	ND	213	107	200	1.17	
DRO >C10-C28*	<10.0	10.0	10/21/2025	ND	215	108	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	10/21/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 10/20/2025
 Reported: 10/24/2025
 Project Name: LECHUZA 1
 Project Number: LECHUZA 1
 Project Location: LECHUZA FED 1

Sampling Date: 10/20/2025
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: 8 (H256594-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/21/2025	ND	2.01	101	2.00	0.609		
Toluene*	<0.050	0.050	10/21/2025	ND	2.06	103	2.00	1.79		
Ethylbenzene*	<0.050	0.050	10/21/2025	ND	2.05	102	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/21/2025	ND	6.36	106	6.00	2.62		
Total BTEx	<0.300	0.300	10/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/20/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2025	ND	213	107	200	1.17	
DRO >C10-C28*	<10.0	10.0	10/21/2025	ND	215	108	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	10/21/2025	ND					

Surrogate: 1-Chlorooctane 92.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.3 % 39.9-141

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Strata Production Company Project Manager: Cheyenne Scharf Address: 1301 N Sycamore Ave City: Roswell State: NM zip: 88201 Phone #: 307-360-3062 Fax #: Project #: Lechuza 1 Project Owner: Project Name: Project Location: Lechuza 1 Sample Name: FOR LAB USE ONLY				P.O. #: Company: Strata Attn: Cheyenne Scharf Address: City: State: Phone #: Fax #:			
Lab I.D. H832594 Sample I.D.				Matrix: <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER : Preserv: <input type="checkbox"/> ACID/BASE: <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER : Sampling:			
(G)RAB OR (C)OMP. # CONTAINERS 1 1 2 1 3 1 4 1 5 1 6 1 7 1 8 1				DATE TIME 10/20 0829 0815 0817 0831 0834 0835 0836 0837			
BTEX TPH Ext. CL							

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Relinquished By: Date: 10-20-25 Time: 1017 Received By: Cheyenne Scharf	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address:
Relinquished By: Date: 10-20-25 Time: 1017 Received By: Cheyenne Scharf	REMARKS: Informed Client on Temp. d Ice. 10.10/20/25

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 17.9 Corrected Temp. °C 18.2 Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Checked By: (Initials) JS Turnaround Time: Standard <input checked="" type="checkbox"/> Rush Thermometer ID # 143 # 140 Correction Factor -0.3°C +0.3°C Bacteria (only) Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrected Temp. °C
---	---

Lechuza Federal #1
API# 30-025-31495
Sample Data Tables

Results from samples received 10/20/25							
Sample Point	Depth	BTEX	Benzene	GRO	DRO	EXT DRO	Chlorides
1	3'	0	0	0	0	0	0
2	3'	0	0	0	0	0	0
3	3'	0	0	0	0	0	0
4	3'	0	0	0	0	0	0
5	3'	0	0	0	0	0	0
6	3'	0	0	0	0	0	0
7	3'	0	0	0	0	0	0
8	3'	0	0	0	0	0	0



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 08, 2025

CHEYENNE SCHARF

STRATA PRODUCTION

P. O. BOX 1030

ROSWELL, NM 88202

RE: LECHUZA 1

Enclosed are the results of analyses for samples received by the laboratory on 09/02/25 16:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 09/02/2025
 Reported: 09/08/2025
 Project Name: LECHUZA 1
 Project Number: 1
 Project Location: LECHUZA FED 1

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 (H255446-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/03/2025	ND	2.08	104	2.00	0.728		
Toluene*	<0.050	0.050	09/03/2025	ND	2.11	105	2.00	0.130		
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.07	103	2.00	0.534		
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.16	103	6.00	0.139		
Total BTEX	<0.300	0.300	09/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	09/03/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	222	111	200	0.690	
DRO >C10-C28*	70.9	10.0	09/03/2025	ND	210	105	200	0.618	
EXT DRO >C28-C36	30.5	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 09/02/2025
 Reported: 09/08/2025
 Project Name: LECHUZA 1
 Project Number: 1
 Project Location: LECHUZA FED 1

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 2 (H255446-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	2.08	104	2.00	0.728	
Toluene*	<0.050	0.050	09/03/2025	ND	2.11	105	2.00	0.130	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.07	103	2.00	0.534	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.16	103	6.00	0.139	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	09/03/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	222	111	200	0.690	
DRO >C10-C28*	105	10.0	09/03/2025	ND	210	105	200	0.618	
EXT DRO >C28-C36	50.4	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 98.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 09/02/2025
 Reported: 09/08/2025
 Project Name: LECHUZA 1
 Project Number: 1
 Project Location: LECHUZA FED 1

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 3 (H255446-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	2.08	104	2.00	0.728	
Toluene*	<0.050	0.050	09/03/2025	ND	2.11	105	2.00	0.130	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.07	103	2.00	0.534	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.16	103	6.00	0.139	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7760	16.0	09/03/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	222	111	200	0.690	
DRO >C10-C28*	106	10.0	09/03/2025	ND	210	105	200	0.618	
EXT DRO >C28-C36	45.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 09/02/2025
 Reported: 09/08/2025
 Project Name: LECHUZA 1
 Project Number: 1
 Project Location: LECHUZA FED 1

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 4 (H255446-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	2.08	104	2.00	0.728	
Toluene*	<0.050	0.050	09/03/2025	ND	2.11	105	2.00	0.130	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.07	103	2.00	0.534	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.16	103	6.00	0.139	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9600	16.0	09/03/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	222	111	200	0.690	
DRO >C10-C28*	76.8	10.0	09/03/2025	ND	210	105	200	0.618	
EXT DRO >C28-C36	31.7	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 09/02/2025
 Reported: 09/08/2025
 Project Name: LECHUZA 1
 Project Number: 1
 Project Location: LECHUZA FED 1

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 5 (H255446-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	2.08	104	2.00	0.728	
Toluene*	<0.050	0.050	09/03/2025	ND	2.11	105	2.00	0.130	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.07	103	2.00	0.534	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.16	103	6.00	0.139	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/03/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	222	111	200	0.690	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	210	105	200	0.618	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 96.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 09/02/2025
 Reported: 09/08/2025
 Project Name: LECHUZA 1
 Project Number: 1
 Project Location: LECHUZA FED 1

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 6 (H255446-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	2.08	104	2.00	0.728	
Toluene*	<0.050	0.050	09/03/2025	ND	2.11	105	2.00	0.130	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.07	103	2.00	0.534	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.16	103	6.00	0.139	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/03/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	222	111	200	0.690	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	210	105	200	0.618	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 09/02/2025
 Reported: 09/08/2025
 Project Name: LECHUZA 1
 Project Number: 1
 Project Location: LECHUZA FED 1

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 7 (H255446-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	2.08	104	2.00	0.728	
Toluene*	<0.050	0.050	09/03/2025	ND	2.11	105	2.00	0.130	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.07	103	2.00	0.534	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.16	103	6.00	0.139	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/03/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	222	111	200	0.690	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	210	105	200	0.618	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

STRATA PRODUCTION
 CHEYENNE SCHARF
 P. O. BOX 1030
 ROSWELL NM, 88202
 Fax To:

Received: 09/02/2025
 Reported: 09/08/2025
 Project Name: LECHUZA 1
 Project Number: 1
 Project Location: LECHUZA FED 1

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 8 (H255446-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/03/2025	ND	2.08	104	2.00	0.728	
Toluene*	<0.050	0.050	09/03/2025	ND	2.11	105	2.00	0.130	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	2.07	103	2.00	0.534	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	6.16	103	6.00	0.139	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/03/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/03/2025	ND	222	111	200	0.690	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	210	105	200	0.618	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.3 % 40.6-153

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Strata Production Company</u>				BILL TO			
Project Manager: <u>Cheyenne Scharf</u>				P.O. #:			
Address: <u>1301 N Sycamore Ave</u>				Company: <u>Strata</u>			
City: <u>Roswell</u>				Attn: <u>Same</u>			
State: <u>NM</u> Zip: <u>88201</u>				Address:			
Phone #: <u>307-360-3062</u> Fax #:				City:			
Project #: <u>1</u> Project Owner:				State: <u>NM</u> Zip:			
Project Name: <u>Lechuza 1</u>				Phone #:			
Project Location: <u>Lechuza Fed 2</u>				Fax #:			
Sampler Name: <u>Rudy G.</u>							

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
4855446	S-1	G	1			X				8/28		BTEX
1	S-2		1									TPH Ext.
2	S-3		1									CL
3	S-4		1									
4	S-5		1									
5	S-6		1									
6	S-7		1									
7	S-8		1									

Relinquished By: <u>[Signature]</u>		Date: <u>8/28/05</u>		Received By: <u>[Signature]</u>		Date: <u>8/28/05</u>	
Relinquished By:		Date:		Received By:		Date:	

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <u>3.6</u> Corrected Temp. °C <u>3.9</u>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: <u>[Signature]</u>	Turnaround Time: <u>Standard</u> Rush <input type="checkbox"/>	Thermometer ID <u>M13</u> Correction Factor <u>-0.3°C</u>	Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Sample Condition Observed Temp. °C Corrected Temp. °C
---	---	---	---------------------------------------	--	--	---	--

Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:
REMARKS: <u>cscharf@stratam.com</u>		

Lechuza Federal #1

API# 30-025-31495

nAPP2522355695

Remediation Activities

Map and delineate spill area. Took initial composite samples for testing. Testing showed only high chlorides in caliche. Brought equipment in and removed caliche to `3'. Hauled all contaminated material to Lea Land Disposal Facility. Retook composite samples across the dig area and sidewalls. All samples tested clean. Took composite closure samples on 10/30 and took them to the lab. All samples tested clean and free of contamination.

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

QUESTIONS

Action 519846

QUESTIONS

Operator: STRATA PRODUCTION CO P.O. Box 1030 Roswell, NM 882021030	OGRID: 21712
	Action Number: 519846
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2522355695
Incident Name	NAPP2522355695 LECHUZA FEDERAL 1 @ 30-025-31495
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-31495] LECHUZA FEDERAL #001

Location of Release Source

Please answer all the questions in this group.

Site Name	Lechuzza Federal 1
Date Release Discovered	08/08/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Equipment Failure Tank (Any) Crude Oil Released: 3 BBL Recovered: 3 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	52 bbls fresh water

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QUESTIONS, Page 2

Action 519846

QUESTIONS (continued)

Operator: STRATA PRODUCTION CO P.O. Box 1030 Roswell, NM 882021030	OGRID: 21712
	Action Number: 519846
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Unavailable.
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Rachel Fresquez Email: rfresquez@stratanm.com Date: 11/10/2025
--	--

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QUESTIONS, Page 3

Action 519846

QUESTIONS (continued)

Operator: STRATA PRODUCTION CO P.O. Box 1030 Roswell, NM 882021030	OGRID: 21712
	Action Number: 519846
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	9600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	106
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	09/22/2025
On what date will (or did) the final sampling or liner inspection occur	10/30/2025
On what date will (or was) the remediation complete(d)	10/31/2025
What is the estimated surface area (in square feet) that will be reclaimed	500
What is the estimated volume (in cubic yards) that will be reclaimed	50
What is the estimated surface area (in square feet) that will be remediated	500
What is the estimated volume (in cubic yards) that will be remediated	50
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Santa Fe, NM 87505

QUESTIONS, Page 4

Action 519846

QUESTIONS (continued)

Operator: STRATA PRODUCTION CO P.O. Box 1030 Roswell, NM 882021030	OGRID: 21712
	Action Number: 519846
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Rachel Fresquez Email: rfresquez@stratanm.com Date: 11/10/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 519846

QUESTIONS (continued)

Operator: STRATA PRODUCTION CO P.O. Box 1030 Roswell, NM 882021030	OGRID: 21712
	Action Number: 519846
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 519846

QUESTIONS (continued)

Operator: STRATA PRODUCTION CO P.O. Box 1030 Roswell, NM 882021030	OGRID: 21712
	Action Number: 519846
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	520097
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/30/2025
What was the (estimated) number of samples that were to be gathered	8
What was the sampling surface area in square feet	200

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
--	----

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Phone: (505) 629-6116

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<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 519846

CONDITIONS

Operator: STRATA PRODUCTION CO P.O. Box 1030 Roswell, NM 882021030	OGRID: 21712
	Action Number: 519846
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. A "scaled sitemap" will need to be included in the remediation closure report. The release area will need to have 5-point composite confirmation soil samples conducted within the entire boundary of that area. Please collect confirmation closure samples, representing no more than 200 ft ² . All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site receptor characterization/proven depth to water determination. Please make sure that the edge of the release extent is accurately defined. Sidewall/edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The work will need to be completed in 90 days after the report has been reviewed.	12/16/2025