

Submit Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

WELL API NO. 30-025-49600
5. Indicate Type of Lease STATE [ ] FEE [X]
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name BEAZA SWD
8. Well Number 1
9. OGRID Number 328435
10. Pool name or Wildcat SWD; BELL CANYON-CHERRY CANYON

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)
1. Type of Well: Oil Well [ ] Gas Well [X] Other SWD
2. Name of Operator MILESTONE ENVIRONMENTAL SERVICES LLC
3. Address of Operator 15721 PARK ROW, SUITE 150
4. Well Location
Unit Letter H : 2480 feet from the N line and 160 feet from the E line
Section 25 Township 24S Range 34E NMPM County LEA
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3360.1

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

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK [ ] PLUG AND ABANDON [ ]
TEMPORARILY ABANDON [ ] CHANGE PLANS [ ]
PULL OR ALTER CASING [ ] MULTIPLE COMPL [ ]
DOWNHOLE COMMINGLE [ ]
CLOSED-LOOP SYSTEM [ ]
OTHER: Proposed Injection profile Test Procedures [X]
SUBSEQUENT REPORT OF:
REMEDIAL WORK [ ] ALTERING CASING [ ]
COMMENCE DRILLING OPNS. [ ] P AND A [ ]
CASING/CEMENT JOB [ ]
OTHER: [ ]

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Milestone is submitting a proposed radioactive tracer survey test results for the Beaza SWD No. 1. This test was performed on 10/26/2024 to meet the permit conditions as described in Order No. R-21441, as amended per the attached letter from 4/17/2024.

Spud Date: 12/16/2021

Rig Release Date: 3/19/2022

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

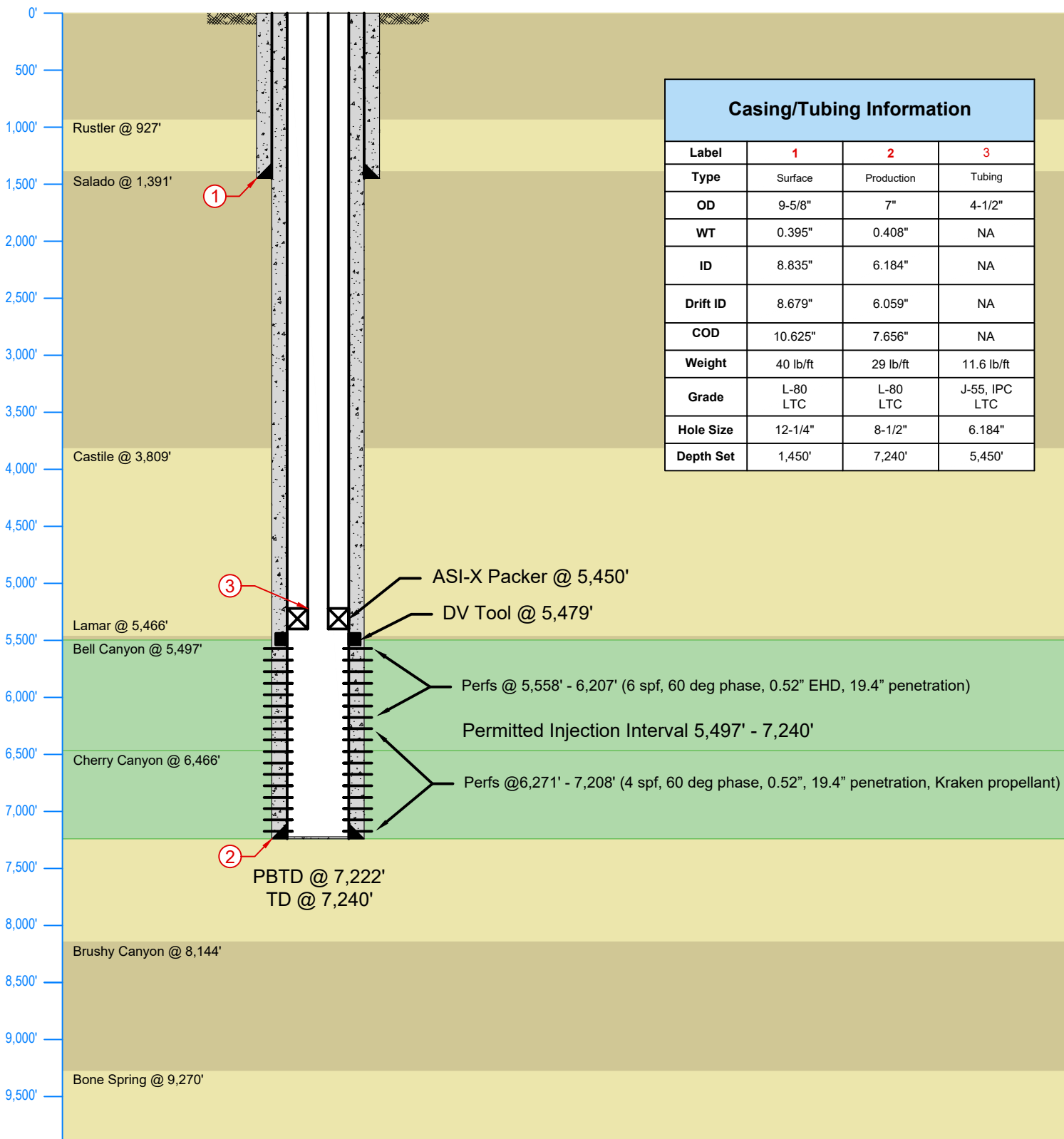
SIGNATURE Ramona K. Hovey TITLE Consulting Engineer DATE 11/21/2024

Type or print name Ramona K. Hovey E-mail address: ramona@lonquist.com PHONE: 512-600-1777

For State Use Only

APPROVED BY: TITLE DATE

Conditions of Approval (if any):



Casing/Tubing Information			
Label	1	2	3
Type	Surface	Production	Tubing
OD	9-5/8"	7"	4-1/2"
WT	0.395"	0.408"	NA
ID	8.835"	6.184"	NA
Drift ID	8.679"	6.059"	NA
COD	10.625"	7.656"	NA
Weight	40 lb/ft	29 lb/ft	11.6 lb/ft
Grade	L-80 LTC	L-80 LTC	J-55, IPC LTC
Hole Size	12-1/4"	8-1/2"	6.184"
Depth Set	1,450'	7,240'	5,450'

<b>LONQUIST &amp; CO. LLC</b> PETROLEUM ENGINEERS   ENERGY ADVISORS	Milestone Environmental	Beaza SWD No. 1	
	Country: USA	State/Province: New Mexico	County/Parish: Lea
	Location: 160' FEL & 2,480' FNL of Unit H, Section 25, Township 24S, Range 34E		District: 1 (Hobbs)
	API No: 30-025-49600	Field:	Well Type/Status: Disposal / New Drill
Texas License F-9147	State ID No:	Project No: 1761	Date: 03/16/2022
12912 Hill Country Blvd. Ste F-200 Austin, Texas 78738 Tel: 512.732.9812 Fax: 512.732.9816	Drawn: WHG	Reviewed: RH	Approved: RSC
	Rev No: 3	Notes:	



## **RADIOACTIVE TRACER SURVEY**

**Milestone Environmental Services, LLC – Beaza SWD No. 1**

**API No.: 30-025-49600**

**Lea, New Mexico, USA**

*Prepared for:*

**Milestone Environmental Services, LLC**

*By:*

**Lonquist Field Service, LLC.**

**Austin, Texas**

**November 2024**

## Executive Summary

Lonquist Field Service, LLC (“LFS”) was contracted to perform an injection survey log and temperature log for Milestone Environmental Services, LLC (“Milestone”) Beaza SWD No. 1, API number: 30-025-49600. This test was performed in accordance with the New Mexico Oil Conservation Division (“OCD”). A Radioactive Tracer (“RAT”) Survey was utilized for the performance of this test with approval from the NMOCD.

The RAT Survey was performed on October 26, 2024. The test was initialized by performing a base log to record temperature and background gamma counts from 5,190’ (260’ above the packer at 5,450’) to 7,162’. Two 5-min statistical time drive tests were performed at 5,430’ and 5,535’. The tracer logging tools were then positioned above the packer, within the 4-1/2” tubing. Injection commenced at 3 barrels per minute (bpm), and the iodine 131 was ejected at 5,200’ to begin the first flow profile log. A series of 26 passes were recorded across the Iodine slug moving downhole until the RA material was displaced into the formation. The same procedure was repeated for the second test, performed from 5,200’ to PBTD. Once completed, the logging tools were positioned at 5,497’ (the top of the permitted injection interval), and two stationary time drive surveys were performed at 30 minutes each. No indications of upward migration were recorded. A post base log was performed from 5,160’ to 7,162’ to record final temperature and gamma-ray. No indications of RA material were recorded, verifying that all RA material was displaced into and confined within the permitted injection interval.

The injection survey and temperature logs were conducted in accordance with the amendment to Division Order R-21441, which authorized the Beaza No. 1 well to inject into the Bell Canyon and Cherry Canyon formations through perforations from 5,497’ to 7,240’.

The amendment to the order states:

*In lieu of the requirement stated in Ordering Paragraph (14) of the referenced order, the operator shall complete an Injection Survey Log and Temperature Log to determine whether the fluid injected remains confined within prescribed injection interval. The tests shall be completed prior to the end date of the second year of operation. The operator shall submit a Form C-103 Notice of Intent to the OCD describing the work plan for the testing and the opportunity for the tests to be witnessed by an OCD inspector. The requirements for the second SRT is waived.*

## Table of Contents

Temperature Survey.....	1
Radioactive Tracer Survey .....	2
Conclusion .....	3
Appendix .....	4
Appendix A – Wellbore Schematic.....	5
Appendix B – Procedure .....	6
Appendix C – Field Operations Daily Report.....	7
Appendix D – Tracer Survey Interpretation – KLX Energy Services .....	8
Appendix E – Profile Survey Logs.....	9
Appendix F – Test Participants .....	10

## Temperature Survey

The temperature survey was performed on October 26<sup>th</sup>, 2024 in accordance with the procedure set forth for the RAT Survey and submitted to the OCD with Form C-103. Prior to conducting the temperature log, the Beaza SWD No. 1 was shut-in. Table 1-1 presents the well completion data at the time of the test. The initial survey was conducted prior to injection from 5,190' to 7,162'. The final log was performed post injection profile surveys 1 & 2 and time drive surveys 1 & 2 from 5,160' to 7,162'. A copy of the temperature survey is included Appendix H. No anomalies were detected.

<b>Completion Data</b>	<b>Depth (feet RKB)</b>
7" Production Casing	7,240
4-1/2" Tubing	5,450
Injection Packer	5,450
Plugged Back Total Depth	7,169'
Original Total Depth	7,240

Table 1-1: Completion Data – Beaza SWD No. 1

## Radioactive Tracer Survey

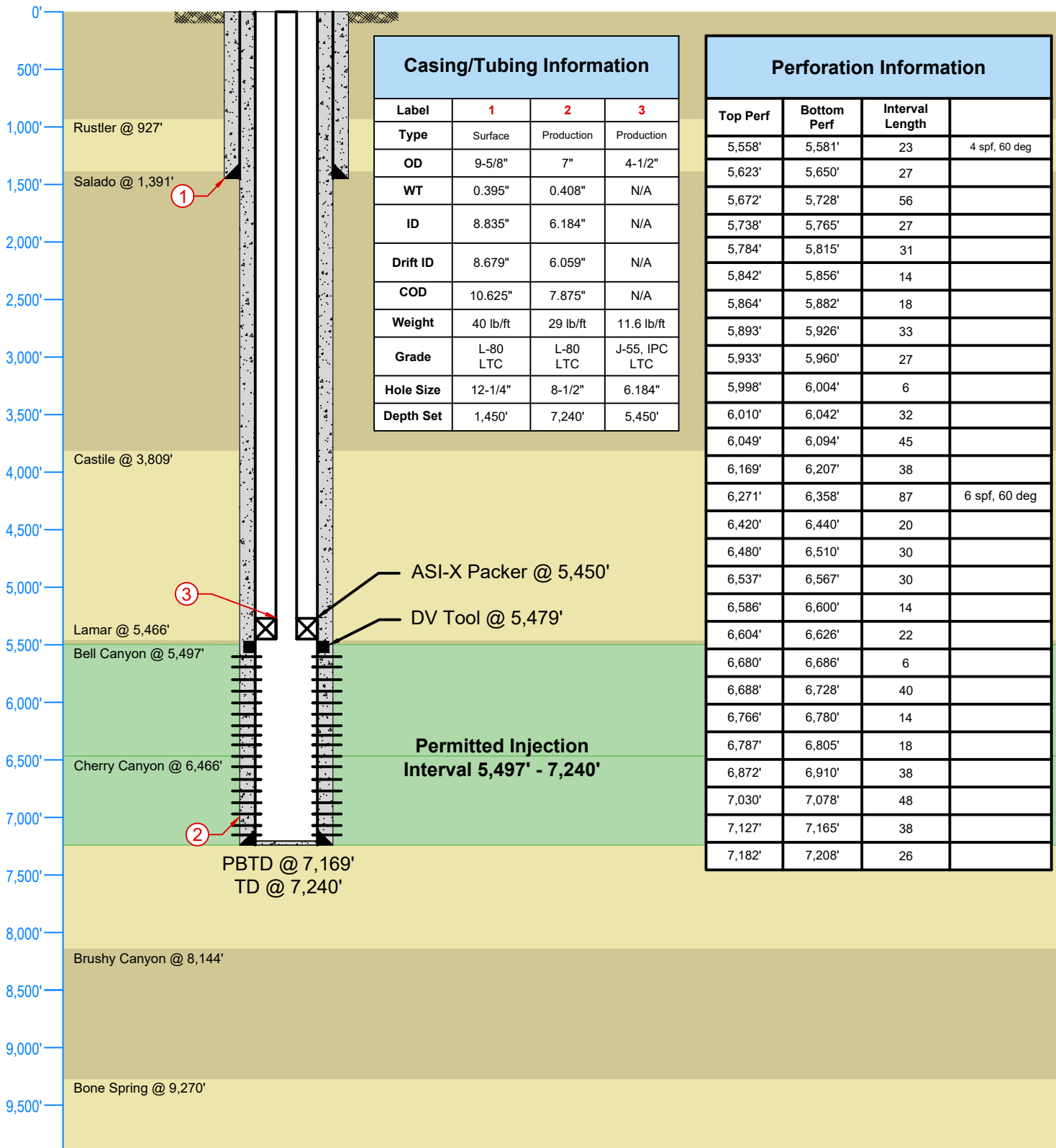
On October 26<sup>th</sup>, 2024, a radioactive tracer survey was conducted on Beaza SWD No. 1 by KLX Energy Services. To determine a baseline gamma count, a base log was run from 5,190' to 7,162'. Iodine 131 was utilized as the tracer material that would be injected to determine successful injection into the permitted injection interval without upward migration of any fluid. Two statistical time drive checks were made at 5,430' and 5,535'. Brine was injected at a rate of 3 barrels per minute and Iodine 131 was then ejected to initiate the first test. A total of 26 logging passes were recorded to confirm the material successfully exited the wellbore in the permitted injection interval. Once the logging tools were reset at 5,200', a second slug of Iodine 131 was released, initiating the second flow profile test. A total of 26 logging passes were recorded on the second test to confirm material injection and dissipation into the injection interval.

Upon completion of the flow profile tests, two stationary time drive tests were performed to ensure there was no upward migration of the injection fluid. The RAT

logging tools were positioned at 5,497' and a slug of Iodine 131 was ejected. The slug and fluid were displaced downhole at 3 bpm and the logging tools recorded gamma-ray response for a total of 30 minutes at the top of the permitted injection interval (5,497'). The procedure was repeated at the same depth and time interval for the second test. No indications of upward migration were recorded during the testing period, indicating there was no upward migration of the injection fluid.

## CONCLUSION

The RAT survey was performed on October 26<sup>th</sup>, 2024, on the Beaza SWD No. 1. The test was performed by an initial base gamma-ray and temperature log from 5,190', approximately 260' above the packer) to 7,162', PBTD. The flow profile tests were then performed by injecting brine at 3 bpm and ejecting the radioactive source material, Iodine 131, and chasing the slug downhole with the RAT logging tools to record a total of 26 passes to PBTD. The test was repeated from 5,200' to PBTD with a total of 26 passes. Results from the tests are included in Appendix E and demonstrate which perforated intervals are most active in displacing fluid within the injection zone. Additionally, two stationary time drive surveys were conducted at the top of the permitted injection interval at 5,497'. The tests were performed by injecting Iodine 131 with brine at 3 bpm and recording any gamma-ray response at the top of the injection zone for a duration of 30 minutes each. The tests results indicated no gamma-ray response at the top of the injection zone. A final temperature and base log were conducted from 5,160' to 7,162', and the pumps and wireline equipment were rigged down. The results of the test indicate that the fluid injected remains confined within the permitted injection interval.






Casing/Tubing Information			
Label	1	2	3
Type	Surface	Production	Production
OD	9-5/8"	7"	4-1/2"
WT	0.395"	0.408"	N/A
ID	8.835"	6.184"	N/A
Drift ID	8.679"	6.059"	N/A
COD	10.625"	7.875"	N/A
Weight	40 lb/ft	29 lb/ft	11.6 lb/ft
Grade	L-80 LTC	L-80 LTC	J-55, IPC LTC
Hole Size	12-1/4"	8-1/2"	6.184"
Depth Set	1,450'	7,240'	5,450'


Perforation Information			
Top Perf	Bottom Perf	Interval Length	
5,558'	5,581'	23	4 spf, 60 deg
5,623'	5,650'	27	
5,672'	5,728'	56	
5,738'	5,765'	27	
5,784'	5,815'	31	
5,842'	5,856'	14	
5,864'	5,882'	18	
5,893'	5,926'	33	
5,933'	5,960'	27	
5,998'	6,004'	6	
6,010'	6,042'	32	
6,049'	6,094'	45	
6,169'	6,207'	38	
6,271'	6,358'	87	6 spf, 60 deg
6,420'	6,440'	20	
6,480'	6,510'	30	
6,537'	6,567'	30	
6,586'	6,600'	14	
6,604'	6,626'	22	
6,680'	6,686'	6	
6,688'	6,728'	40	
6,766'	6,780'	14	
6,787'	6,805'	18	
6,872'	6,910'	38	
7,030'	7,078'	48	
7,127'	7,165'	38	
7,182'	7,208'	26	




**Permitted Injection Interval 5,497' - 7,240'**

PBTD @ 7,169'  
TD @ 7,240'

<b>LONQUIST &amp; CO. LLC</b> PETROLEUM ENGINEERS ENERGY ADVISORS <small>AUSTIN - HOUSTON   CALGARY - WICHITA DENVER - COLLEGE STATION   BATON ROUGE - EDMONTON</small>	Milestone Environmental Services, LLC		<h1>Beaza SWD No. 1</h1>	
	Country: USA		State/Province: New Mexico	
	Location: 160' FEL & 2,480' FNL of Unit H, Section 25, Township 24S, Range 34E		County/Parish: Lea	
	API No: 30-025-49600		District: 1 (Hobbs)	
Texas License F-9147	State ID No:	Field:	Well Type/Status: Disposal / New Drill	
12912 Hill Country Blvd. Ste F-200 Austin, Texas 78738 Tel: 512.732.9812 Fax: 512.732.9816	Drawn: NJP	Project No: F2422	Date: 05/13/2024	
	Rev No: 1	Reviewed: WHG	Approved: RSC	
		Notes:		

  		<h2 style="margin: 0;">Injection Profile Procedure</h2>			<b>Project No.:</b> F2434	
		<h3 style="margin: 0;">Milestone Environmental Services LLC</h3>			<b>Date:</b> October 21, 2024 <b>Page:</b> 1 of 4	
<b>Well:</b> Beaza SWD No. 1		<b>State:</b> NM	<b>County:</b> Lea	<b>API:</b> 30-025-49600	<b>District:</b> 1 (Hobbs)	
<p><b>INTRODUCTION:</b></p> <p>Milestone Environmental Services LLC (“Milestone”) has requested Lonquist &amp; Co, LLC (“LCO”) prepare procedures for a Radioactive Tracer Survey (RAT) on the Beaza SWD No. 1. This test is being performed to satisfy the following permit conditions.</p> <p style="text-align: center;"><i>In lieu of the requirement stated in Ordering Paragraph (14) of the referenced order [Division order No. R-21441], the operator shall complete an Injection Survey Log and Temperature Log to determine whether the fluid injected remains confined within prescribed injection interval. The tests shall be completed prior to the end date of the second year of operation. The operator shall submit a Form C-103 Notice of Intent to the OCD describing the work plan for the testing and the opportunity for the tests to be witnessed by an OCD inspector. The requirement for the second SRT is waived.</i></p> <p>The general scope of the work is as follows:</p> <ul style="list-style-type: none"> <li>• Spot and fill tanks with clean brine water from a client facility or third-party source</li> <li>• MIRU pumps and iron</li> <li>• MIRU Wireline unit and RAT logging tools</li> <li>• RIH with RAT logging tools and record base temperature and density logs</li> <li>• Begin injecting and perform chase survey across perforated interval</li> <li>• Position RAT logging tools above packer and perform time drive survey</li> <li>• Record final temperature and density logs</li> <li>• POOH and RDMO all equipment</li> </ul> <p>The test procedure includes the following information:</p> <ul style="list-style-type: none"> <li>• Wellbore Schematic</li> </ul> <p><b>REGULATORY INFORMATION:</b></p> <p>Well No. 1 is regulated by the New Mexico Oil Conservation Division (“OCD”). All notifications will be reported to the Hobbs office.</p> <p style="margin-left: 40px;">OCD Hobbs 1625 N French Drive Hobbs, NM 88240 (505) 629-6116</p>						
<b>PREPARED BY</b>	<b>DATE</b>	<b>REVIEWED BY</b>	<b>DATE</b>	<b>APPROVED BY</b>	<b>DATE</b>	<b>Client Signature</b>
CJL	10/03/2024	WHG	10/07/2024			

		<h2 style="margin: 0;">Injection Profile Procedure</h2>			<b>Project No.:</b> F2434	
<div style="display: flex; justify-content: space-around; font-weight: bold; font-size: small;"> <span style="background-color: #2e5496; color: white; padding: 2px 5px;">PETROLEUM ENGINEERS</span> <span style="background-color: #8c8b78; color: white; padding: 2px 5px;">ENERGY ADVISORS</span> </div>		<h3 style="margin: 0;">Milestone Environmental Services LLC</h3>			<b>Date:</b> October 21, 2024 <b>Page:</b> 2 of 4	
<b>Well:</b> Beaza SWD No. 1		<b>State:</b> NM	<b>County:</b> Lea	<b>API:</b> 30-025-49600	<b>District:</b> 1 (Hobbs)	
<p><b>SAFETY INFORMATION:</b></p> <p>LFS believes that all accidents and incidents are preventable. Our corporate goal is to have zero incidents, accidents, or near misses. To further our commitment to safety, LFS has staffed a Safety Director, whose sole purpose is to identify and mediate possible safety concerns and to be a resource for advice on such safety issues. He will be involved in work safety plans, managing JSAs, and offering oversight on our daily safety meeting program. We require that all of our employees and subcontractors accept that philosophy and uphold the standards of LFS. Our field supervisors are well-control certified, with both site specific and industry required safety qualifications related to new well drilling and well workovers. LFS supervisors are responsible to complete pre-job meetings with the contractors and clients, obtain daily work permits, complete JSAs, safety meetings, review Emergency Response Plans, identify any unsafe practices or potential hazards, and implement corrective actions to minimize employee exposure. LFS implements a site specific safety plan that defines the scope of work and identifies the appropriate safety standards and responsibilities for applicable parties for each project performed. LFS will implement a complete HSE plan for all phases of the operation. Our goal is always to ensure compliance with all client needs, as well as all local, State, and Federal safety and environmental regulations.</p> <p>Well site safety meetings will be conducted at the beginning of each day and at the beginning of critical operations by the LFS supervisor prior to commencing any well work. All contractors involved during the day or critical operations will be required to attend the safety meeting, and all will be required to participate in the JSA process.</p> <p>The following safety gear and personal protective equipment are required:</p> <ul style="list-style-type: none"> <li>Hard Hat</li> <li>Safety Glasses</li> <li>Fire Retardant Coveralls</li> <li>Safety Shoes w/Ankle Support – Leather or Rubber</li> <li>Gloves</li> <li>Fall protection required – 4’ or above</li> <li>Any additional required safety equipment</li> <li>Daily Safety Meeting</li> <li>JSA Form – Completed Daily</li> </ul> <p>Additional safety and housekeeping items include:</p> <ul style="list-style-type: none"> <li>All personnel will be required to complete the site specific safety orientation required by Milestone</li> <li>Zero tolerance for any fluid release</li> <li>Spills and releases to be reported to LFS and Milestone</li> <li>Any Injuries and Near Misses are to be reported and investigated to/by LFS and Milestone</li> <li>Hot work will require a hot work permit issued by Milestone</li> <li>Vehicles to have company placards or logos</li> <li>Good housekeeping standards</li> </ul>						
PREPARED BY	DATE	REVIEWED BY	DATE	APPROVED BY	DATE	Client Signature
CJL	10/03/2024	WHG	10/07/2024			

		<h2 style="margin: 0;">Injection Profile Procedure</h2>			<b>Project No.:</b> F2434	
 		<h3 style="margin: 0;">Milestone Environmental Services LLC</h3>			<b>Date:</b> October 21, 2024 <b>Page:</b> 3 of 4	
<b>Well:</b> Beaza SWD No. 1		<b>State:</b> NM	<b>County:</b> Lea	<b>API:</b> 30-025-49600	<b>District:</b> 1 (Hobbs)	
<p><b>DETAILED PROCEDURE:</b></p> <ol style="list-style-type: none"> <li>1. Spot and Fill (3) 500-bbl frac tank (Enough to complete the planned test with contingency brine)                     <ol style="list-style-type: none"> <li>a. Milestone to provide clean brine water from a client facility or third-party source</li> </ol> </li> <li>2. RU pumps and iron                     <ol style="list-style-type: none"> <li>a. MIRU pump truck and lay iron or hose to side outlet</li> <li>b. 3 bpm @ 1,200 psi expected</li> </ol> </li> <li>3. MIRU Wireline and Pressure Control                     <ol style="list-style-type: none"> <li>a. Pressure test lubricator to 1,500 psi</li> </ol> </li> <li>4. MU RAT logging tools</li> <li>5. RIH and correlate to the injection packer</li> <li>6. Record base temperature and density logs from TD to 200' above injection packer (packer at 5,450')</li> <li>7. Conduct two, 5 minute time drive, statistical checks                     <ol style="list-style-type: none"> <li>a. ~20' above injection packer</li> <li>b. ~20' above top perforation</li> </ol> </li> <li>8. Begin injecting brine at 3 bpm                     <ol style="list-style-type: none"> <li>a. Maintain constant flow rate</li> </ol> </li> <li>9. Complete one chase survey                     <ol style="list-style-type: none"> <li>a. Position logging tools at 5,350' (100' above the injection packer)</li> <li>b. Inject tracer material</li> <li>c. Track tracer material downhole</li> <li>d. Tracer material should dissipate into the injection interval</li> </ol> </li> <li>10. Complete two time drive surveys                     <ol style="list-style-type: none"> <li>a. Position logging tools at 5,497' (top of the permitted injection interval)</li> <li>b. Inject tracer material</li> <li>c. Record on time drive and monitor for vertical fluid movement adjacent to the wellbore                             <ol style="list-style-type: none"> <li>i. Record for a minimum of 30 minutes for each time drive survey</li> </ol> </li> </ol> </li> <li>11. Cease brine injection</li> <li>12. Record final temperature and density logs from TD to 200' above injection packer (packer at 5,450')                     <ol style="list-style-type: none"> <li>a. Confirm there is no remaining tracer material above the injection interval</li> </ol> </li> <li>13. POOH with logging tools</li> <li>14. RDMO all equipment</li> <li>15. Secure well and return to Milestone</li> </ol>						
<b>PREPARED BY</b>	<b>DATE</b>	<b>REVIEWED BY</b>	<b>DATE</b>	<b>APPROVED BY</b>	<b>DATE</b>	<b>Client Signature</b>
CJL	10/03/2024	WHG	10/07/2024			





## R/A TRACER LOG INTERPRETATION

10/30/2024

**PLANT: MILESTONE ENVIROMENTAL**  
**C/O: LONQUIST**  
**WELL NAME: BEAZA SWD #1**

*RE: Radioactive Tubing & Packer Survey ran on 10/26/2024*

A Pre Base Log was run from 7,162' to 5,190' to detect and record background gamma counts.

Iodine 131 was then ejected at a depth of 5,200' and pumped down the tubing and into the permitted interval. Logging passes tracked the R/A tracer material as it moved down in the wellbore. The R/A material was seen traveling down the tubing, past the packer, and exiting the wellbore into the permitted injection interval.

The flow profile log was then repeated and this survey also showed R/A material going out into the permitted interval.

Two Stationary Time Drive surveys were run with the tool at 5,497'. No indications of upward migration were recorded.

A Post Base log was then run from 7,162' to 5,160' and noted that all R/A material was flushed out of the wellbore into the permitted interval.

A handwritten signature in black ink, appearing to read "Wayne H Dean III".

Wayne H Dean III  
Industrial Logging Department  
7650 CR-48 North, Suite H  
Rosharon, TX 77583



**RADIOACTIVE TRACER  
TEMPERATURE**

Company MILESTONE ENVIRONMENTAL  
Well BEAZA SWD # 1  
Field  
County LEA  
State NM

Company MILESTONE ENVIRONMENTAL  
Well BEAZA SWD # 1  
Field  
County LEA State NM

Location: 160' FEL & 2480' FNL  
UNIT H  
API #: 30-025-49600  
SEC 25 TWP 24S RGE 34-E  
Permanent Datum G.L.  
Log Measured From K.B.  
Drilling Measured From K.B.  
Elevation  
Other Services  
Elevation  
K.B.  
D.F.  
G.L.

Date	8-21-2024		
Run Number	ONE		
Depth Driller	7240'	PRTD 7222'	
Depth Logger	7162'		
Bottom Logged Interval	7161'		
Top Log Interval	SURFACE		
Type Fluid	WATER		
Tubing Pressure	825 PSI		
Casing Pressure	0 PSI		
Max. Recorded Temp.	95 DEG		
Estimated Cement Top	N/A		
Type Well Ready	ROA		
Type Logger on Bottom	8:30 A		
Equipment Number	106		
Equipment Location	LUBBOCK, TX		
Recorded By	HATCHETT		
Witnessed By	C. LOFTON		

Borehole Record				Tubing Record			
Open Hole	Size	From	To	Size	Weight	From	To
				4 1/2"		0'	5450'
Casing Record	Size	From	To	Wgt/Ft	Top	Bottom	
Surface String	9 5/8"			40 #	SURFACE	1450'	
Production String	7"			29#	SURFACE	7240'	

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

**Comments**

THIS LOG WAS SET TO PACKER TALLY PROVIDED BY CUSTOMER  
 5558-5581,5623-5650,5672-5729,5738-5765,5784-5815,5842-5856,  
 5864-5882,5893-5926,5933-5960,5998-6004,6010-6042,6049-6094,  
 6169-6207,6271-6358,6420-6440,6480-6510,6537-6567,6586-6600,  
 6604-6626,6680-6686,6688-6728,6766-6780,6787-6805,6872-6910,  
 7030-7075,7127-7165,7182-7208

**PERFORATIONS**

REFER TO COMMENTS

TOTAL VOLUME TO DATE FLUID LEVEL TUBING

**PRODUCER:**

FLOWING PUMPING CHOKE SETTING HOURS PROD.  
 FLUID LEVEL CSG. TBG. RATE B/W B/O  
 FLUID TYPE

**FRAC OR ACID WELLS:**

TIME FINISHED FRAC OR ACID ACID FLUID - GALS SAND #  
 RATE - BPM PRESSURE

**CONCLUSIONS**

THIS SURVEY WAS RUN TO DETERMINE THE ZONES OF INJECTION AND VERIFY NO CHANNEL UP FROM THE PERFORATIONS.

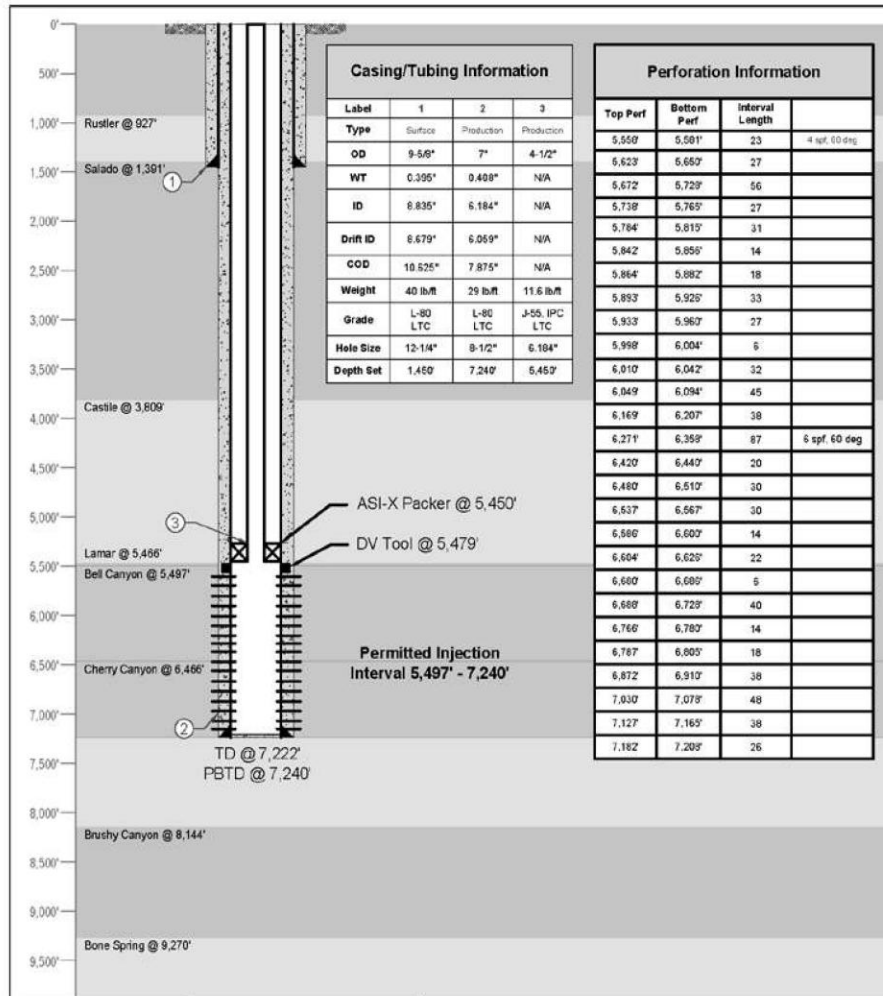
NOTE: THERE WAS NO INDICATION OF A CHANNEL UP FROM THE PERFORATIONS WITH R/A MATERIAL.

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Cable_Heads-1_44Titan_CableHead 1 3/8" Cable Head (Max Tension 42,000 lbf) 1" Fish Neck	1.03	1.38	3.60
			7' Weight Bar-1 3/8" Tungsten_Filled Wt. Bar 1 3/8" Tungsten-Filled Weight Bar 7'	7.00	1.44	57.00
			5' Weight Bar-1 3/8" Tungsten-Filled Wt. Bar 1 3/8" Tungsten-Filled Weight Bar 5'	5.00	1.38	38.00
			TREJCT-K&C_1.38 (KC_30cc)	3.06	1.38	11.00

CCL	6.67		CCL-1.38_ProbeLoggingCCL (1.38_ProbeCCL) 1 3/8" Probe CCL	1.88	1.38	5.00
DET	5.00		TRDET-Probe1_DD_1.38 (Probe1_T) 1 3/8" Probe Top Neg Det	3.46	1.38	11.00
DET#2	0.00		TRDET #2 -Probe2_DD_1.38 (Probe2_B) 1 3/8" Probe Bottom Pos Det	3.46	1.38	11.00
TEMP	2.04		Temp_Tool-1.38_Probe_Temp (ProbeTemp_15") TP4 15"	1.25	1.38	5.00
		Dataset: milestone_beaza_rat.db: field/SWD1/POSTBASE/pass1 Total length: 26.15 ft Total weight: 141.60 lb O.D.: 1.44 in				

<b>LONQUIST &amp; CO. LLC</b> PETROLEUM ENGINEERS    ENERGY ADVISORS	<b>Injection Profile Procedure</b>			Project No.: F2434
	<b>Milestone Environmental Services LLC</b>			Date: October 21, 2024 Page: 4 of 4
Well: Beaza SWD No. 1	State: NM	County: Lea	API: 30-025-49600	District: 1 (Hobbs)

**CURRENT WELLBORE SCHEMATIC**



Casing/Tubing Information			
Label	1	2	3
Type	Surface	Production	Production
OD	9-5/8"	7"	4-1/2"
WT	0.395"	0.408"	N/A
ID	8.835"	6.184"	N/A
Drift ID	8.679"	6.059"	N/A
COD	10.525"	7.875"	N/A
Weight	40 lb/ft	29 lb/ft	11.6 lb/ft
Grade	L-80 LTC	L-80 LTC	J-55, IPC LTC
Hole Size	12-1/4"	8-1/2"	6.184"
Depth Set	1,450'	7,240'	5,452'

Perforation Information			
Top Perf	Bottom Perf	Interval Length	
5,550'	5,581'	23'	4 spf, 60 deg
5,623'	5,652'	27'	
5,672'	5,729'	56'	
5,738'	5,765'	27'	
5,784'	5,815'	31'	
5,842'	5,855'	14'	
5,864'	5,882'	18'	
5,893'	5,925'	33'	
5,933'	5,962'	27'	
5,998'	6,004'	6'	
6,010'	6,042'	32'	
6,049'	6,094'	45'	
6,169'	6,207'	38'	
6,271'	6,359'	87'	5 spf, 60 deg
6,420'	6,442'	20'	
6,480'	6,512'	30'	
6,537'	6,567'	30'	
6,588'	6,602'	14'	
6,604'	6,625'	22'	
6,660'	6,680'	6'	
6,668'	6,729'	40'	
6,768'	6,782'	14'	
6,767'	6,805'	18'	
6,872'	6,912'	38'	
7,030'	7,078'	48'	
7,127'	7,165'	38'	
7,182'	7,209'	26'	

<b>LONQUIST &amp; CO. LLC</b> PETROLEUM ENGINEERS    ENERGY ADVISORS <small>AUSTIN - HOUSTON - DALLAS - WICHTON DUMPER - CALLES SUDEN - LATHAM RIDGE - ZEPHYRUS</small> Texas License F-9147 12912 Hill Country Blvd, Ste F-200 Austin, Texas 78726 Tel: 512.732.6812 Fax: 512.732.6816	<b>Milestone Environmental Services, LLC</b>		<b>Beaza SWD No. 1</b>	
	Country: USA		State/Province: New Mexico	
			County/Parish: Lea	
	Location: 160' FEL & 2,480' FNL of Unit H, Section 25, Township 24S, Range 34E		District: 1 (Hobbs)	
	API No: 30-025-49600		Field:	
	State ID No:		Project No: F2422	
	Texas License F-9147		Date: 05/13/2024	
	Drawn: NJP		Reviewed: WHG	
Rev No: 1		Notes:		

PREPARED BY	DATE	REVIEWED BY	DATE	APPROVED BY	DATE	Client Signature
CJL	10/03/2024	WHG	10/07/2024			

Company:  
 Well:  
 File: c:\programdata\warrior\data\industrial\milestone\_beaza\_rat.db  
 Dataset: field/SWD1/TRACER/\_tracer/\_shottabl\_1

TRACER RESULTS

#	Depth (ft)	Time	Integration	Flow (%)	Delta (%)	Comment
29	5320.00	09:47:57	100188.00	93.30		
30	5478.00	09:49:51	100008.00	93.13	0.17	
31	5530.00	09:50:48	100657.00	93.74	-0.60	
32	5589.00	09:51:26	101931.00	94.92	-1.19	
33	5651.00	09:51:53	107384.00	100.00	-5.08	
34	5720.00	09:52:10	90259.10	84.05	15.95	
35	5808.00	09:52:39	90870.70	84.62	-0.57	
36	5882.00	09:52:58	90827.30	84.58	0.04	
37	5967.00	09:53:13	90064.00	83.87	0.71	
38	6053.00	09:53:49	86897.40	80.92	2.95	
39	6138.00	09:54:05	80795.10	75.24	5.68	
40	6218.00	09:54:20	100123.00	93.24	-18.00	
41	6300.00	09:54:33	69022.00	64.28	28.96	
42	6394.00	09:54:47	61717.70	57.47	6.80	
17	6500.00	09:31:35	59247.50	55.17	2.30	
18	6584.00	09:32:40	58420.10	54.40	0.77	
19	6659.00	09:33:46	57971.10	53.98	0.42	
20	6735.00	09:34:51	56409.00	52.53	1.45	
21	6798.00	09:35:55	53024.50	49.38	3.15	
22	6855.00	09:37:04	44590.00	41.52	7.85	
23	6907.00	09:38:21	35063.30	32.65	8.87	
24	6964.00	09:39:35	31552.10	29.38	3.27	
25	7014.00	09:40:53	31480.90	29.32	0.07	
26	7069.00	09:42:16	19878.80	18.51	10.80	
27	7120.00	09:43:27	15312.80	14.26	4.25	
28	7154.00	09:45:07	5539.40	5.16	9.10	
1	7156.00	08:37:21	0.00	0.00	5.16	

Company:  
 Well:  
 File: c:\programdata\warrior\data\industrial\milestone\_beaza\_rat.db  
 Dataset: field/SWD1/TRACER2/\_tracer/\_shottabl\_1

TRACER RESULTS

#	Depth (ft)	Time	Integration	Flow (%)	Delta (%)	Comment
2	5330.00	10:15:11	125155.00	83.94		
3	5477.00	10:16:03	134197.00	90.00	-6.06	
4	5520.00	10:16:39	135792.00	91.07	-1.07	
5	5579.00	10:17:25	139990.00	93.88	-2.82	
6	5645.00	10:18:18	145248.00	97.41	-3.53	

7	5718.00	10:19:13	138406.00	92.82	4.59
8	5786.00	10:20:07	149109.00	100.00	-7.18
9	5859.00	10:21:06	138030.00	92.57	7.43
10	5937.00	10:22:05	135692.00	91.00	1.57
11	6034.00	10:23:22	132301.00	88.73	2.27
12	6123.00	10:24:32	129461.00	86.82	1.90
13	6207.00	10:25:35	129584.00	86.91	-0.08
14	6295.00	10:26:41	129381.00	86.77	0.14
15	6385.00	10:27:51	116750.00	78.30	8.47
16	6478.00	10:29:03	111785.00	74.97	3.33
17	6575.00	10:30:22	105998.00	71.09	3.88
18	6669.00	10:31:46	88470.00	59.33	11.76
19	6757.00	10:33:08	102571.00	68.79	-9.46
20	6824.00	10:34:18	76365.00	51.21	17.58
21	6888.00	10:35:34	72814.00	48.83	2.38
22	6934.00	10:36:44	60125.00	40.32	8.51
23	6985.00	10:37:55	60012.80	40.25	0.08
24	7036.00	10:39:11	55337.70	37.11	3.14
25	7087.00	10:40:21	52824.20	35.43	1.69
26	7137.00	10:41:46	50678.10	33.99	1.44
27	7153.00	10:42:31	12973.20	8.70	25.29
28	7155.00	10:42:48	0.35	0.00	8.70

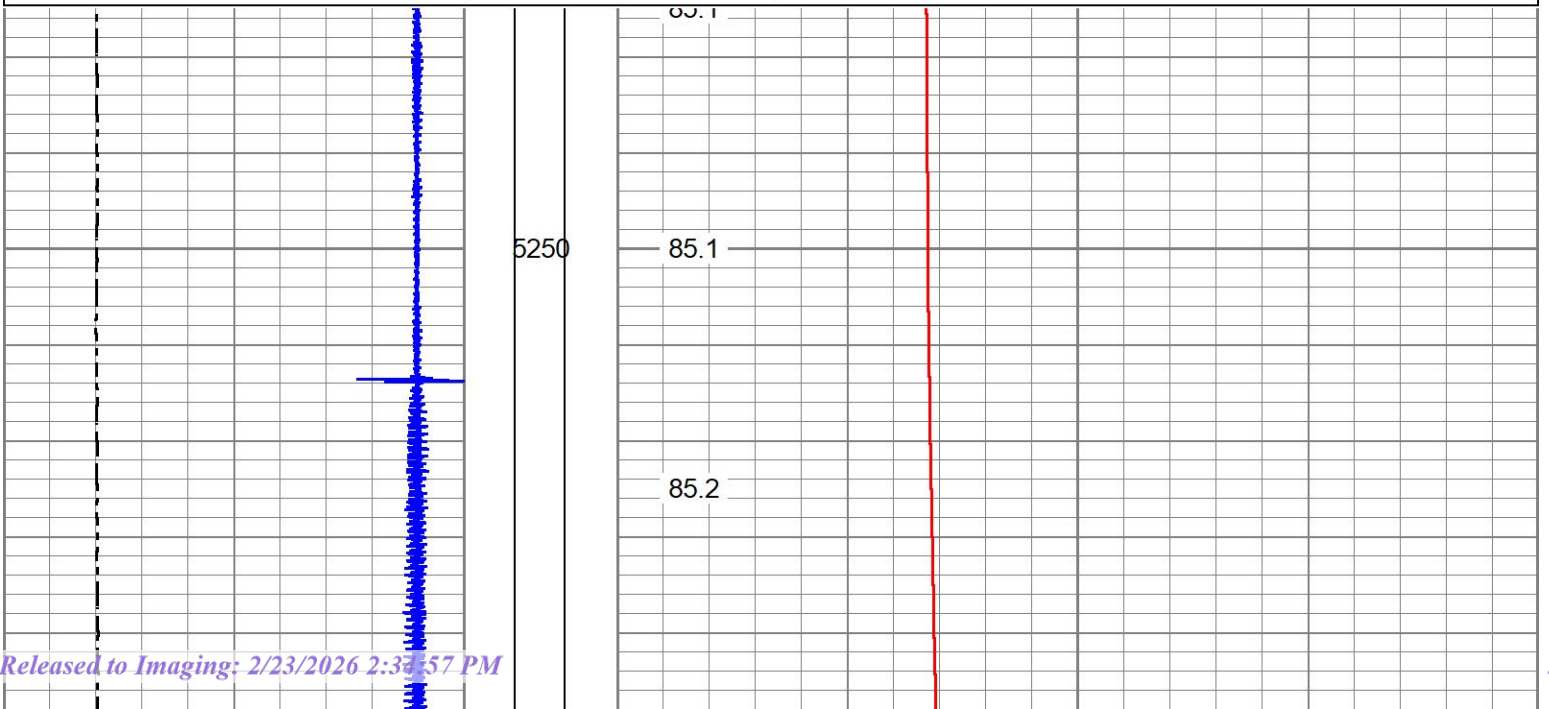


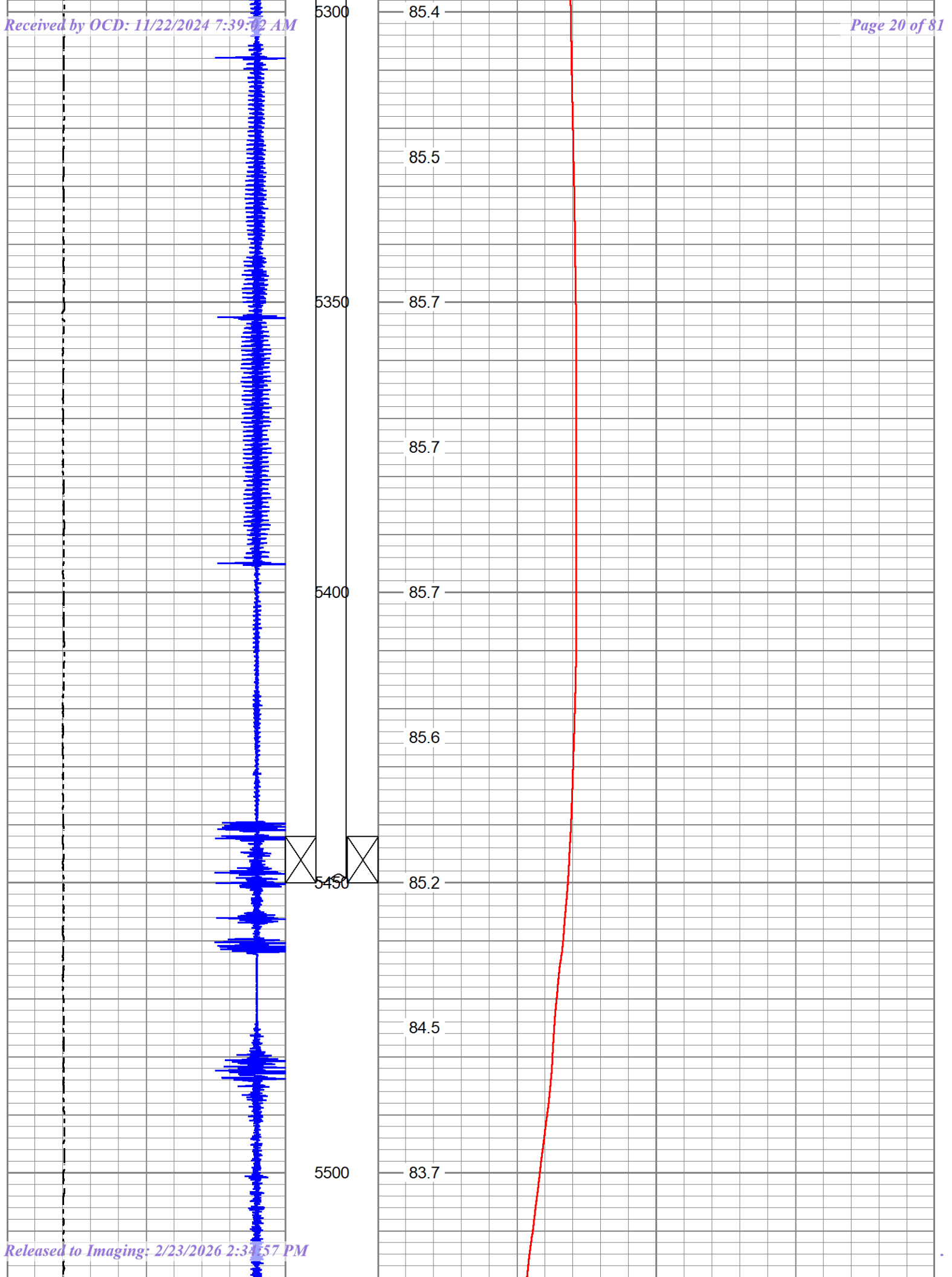
## BASE TEMPERATURE

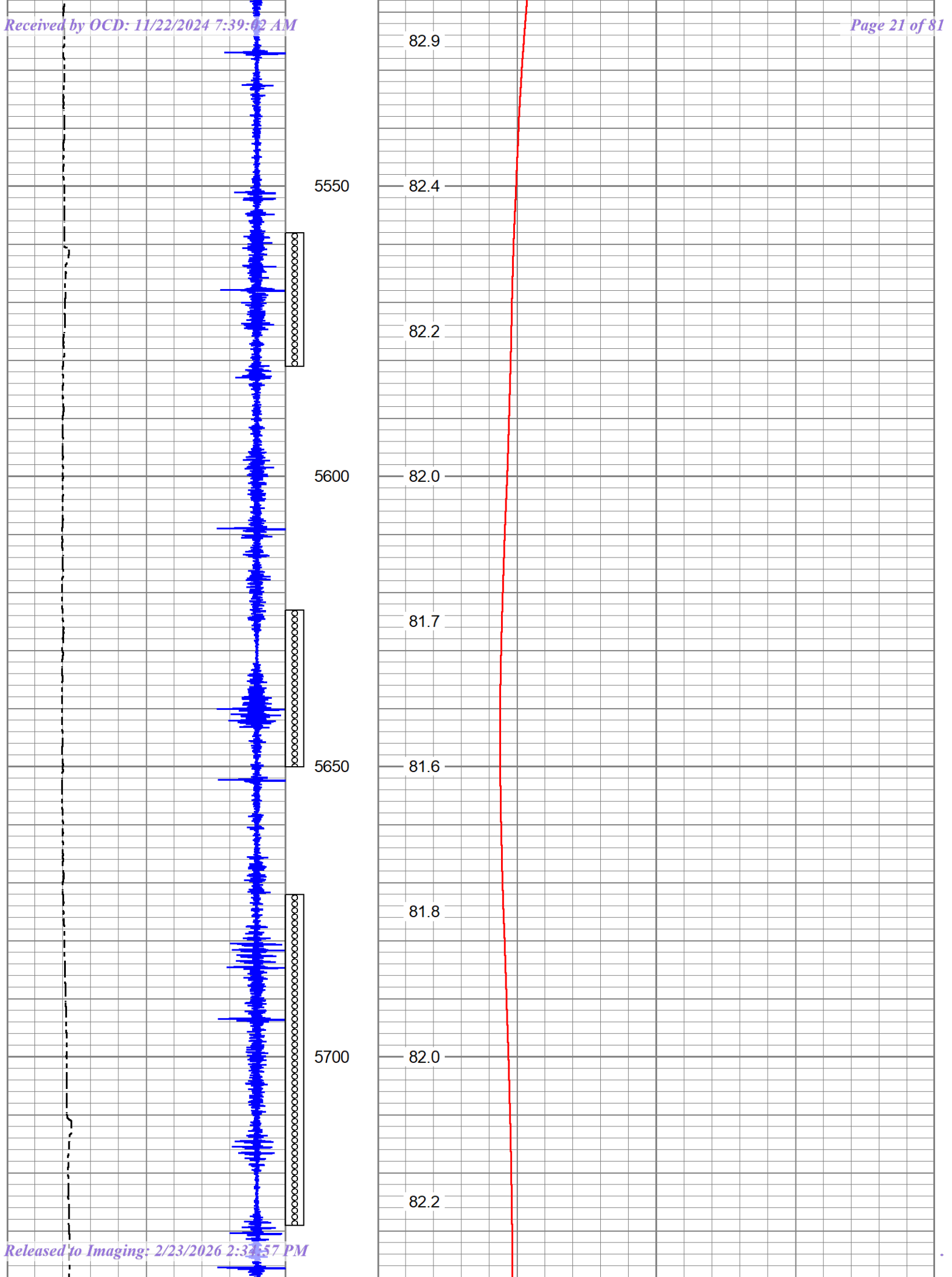
0 BPM @ 825 PSI

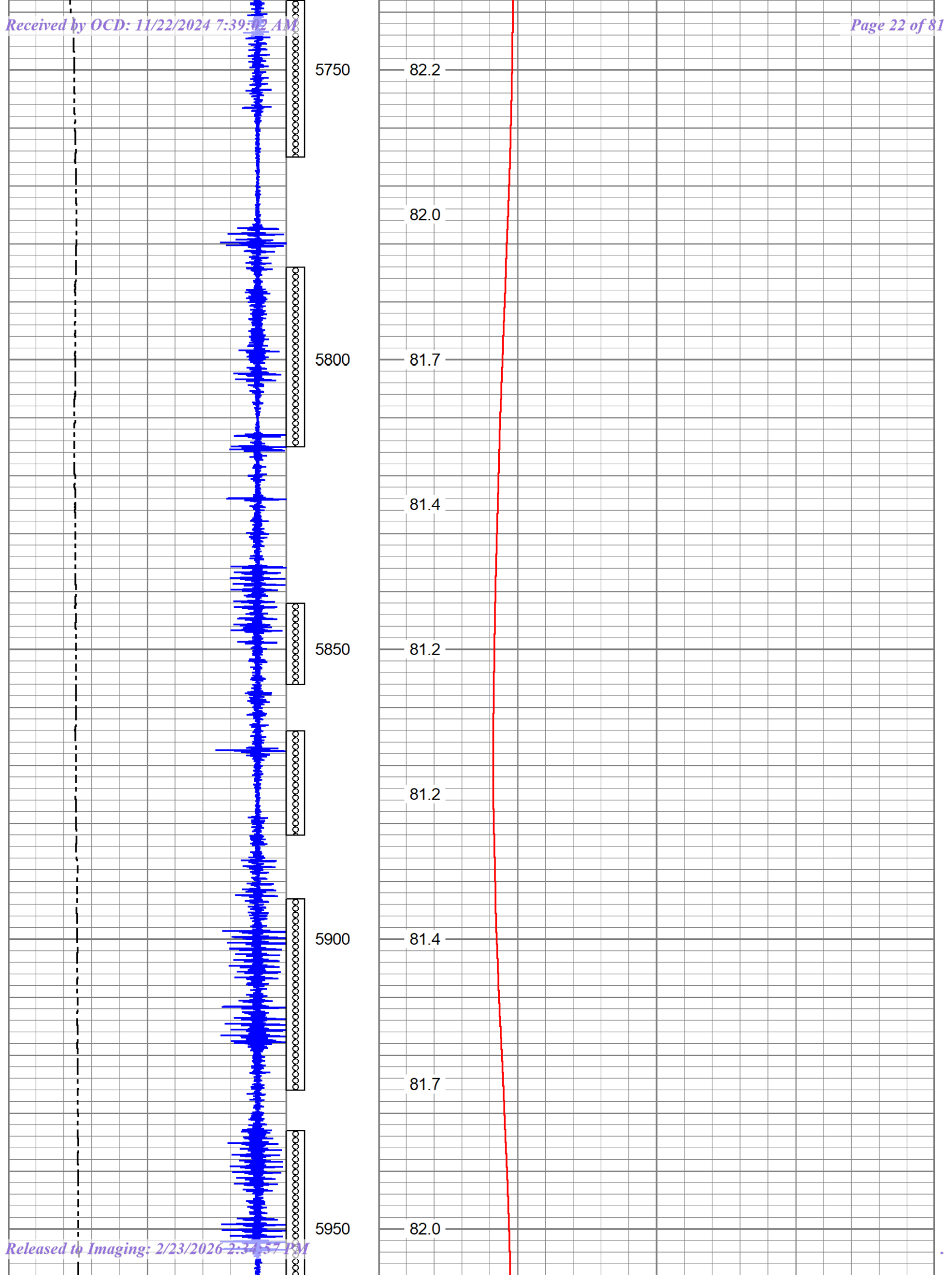
Database File industrial\milestone\_beaza\_rat.db  
 Dataset Pathname SWD1/TEMP/pass1  
 Presentation Format temp  
 Dataset Creation Sat Oct 26 06:34:24 2024  
 Charted by Depth in Feet scaled 1:240

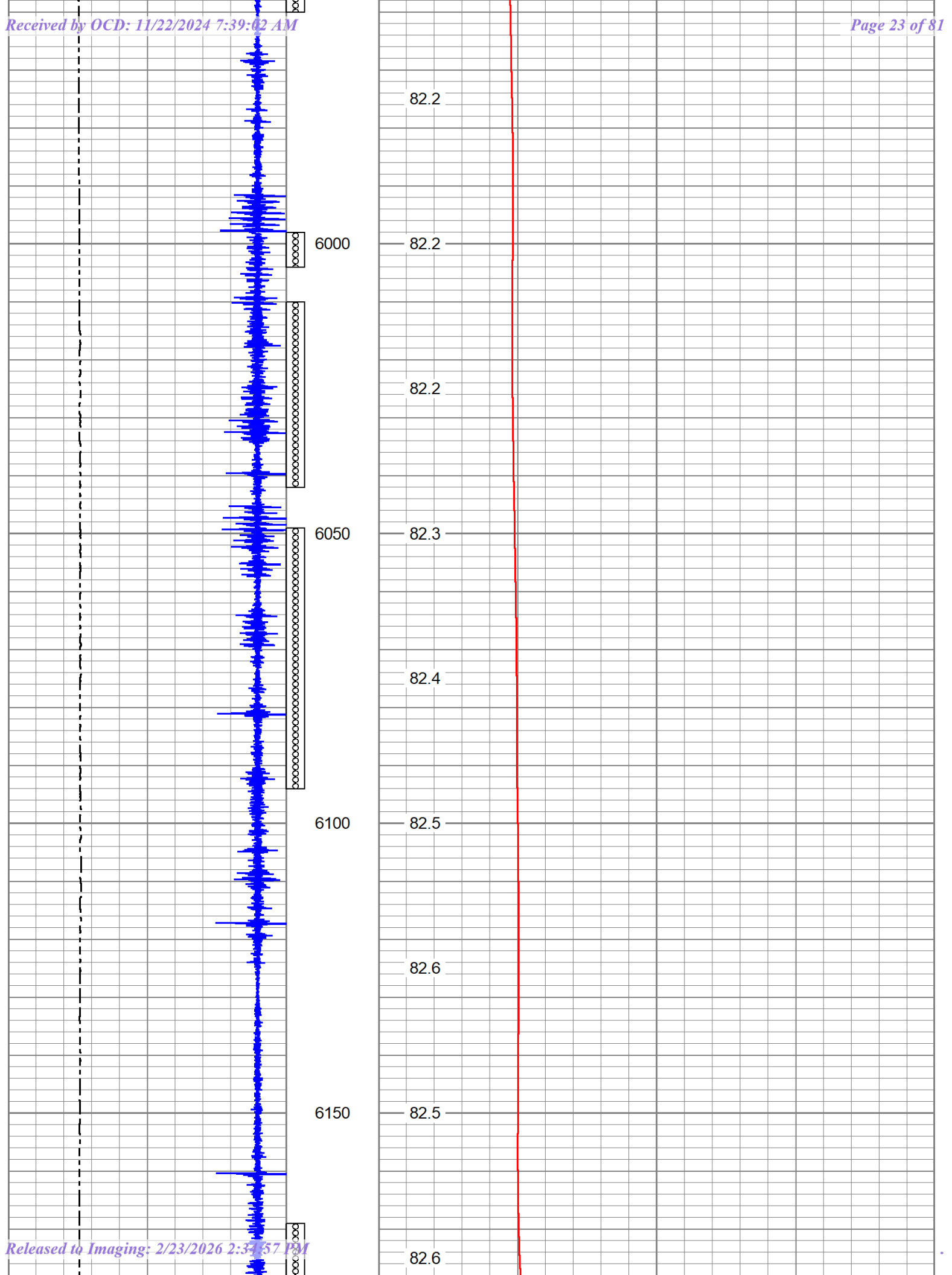
0	GAMMA RAY (GAPI)	100	75	TEMPERATURE (degF)	105
9	CCL	-1	TEMP		
0	LTEN (lb)	1500	(degF)		

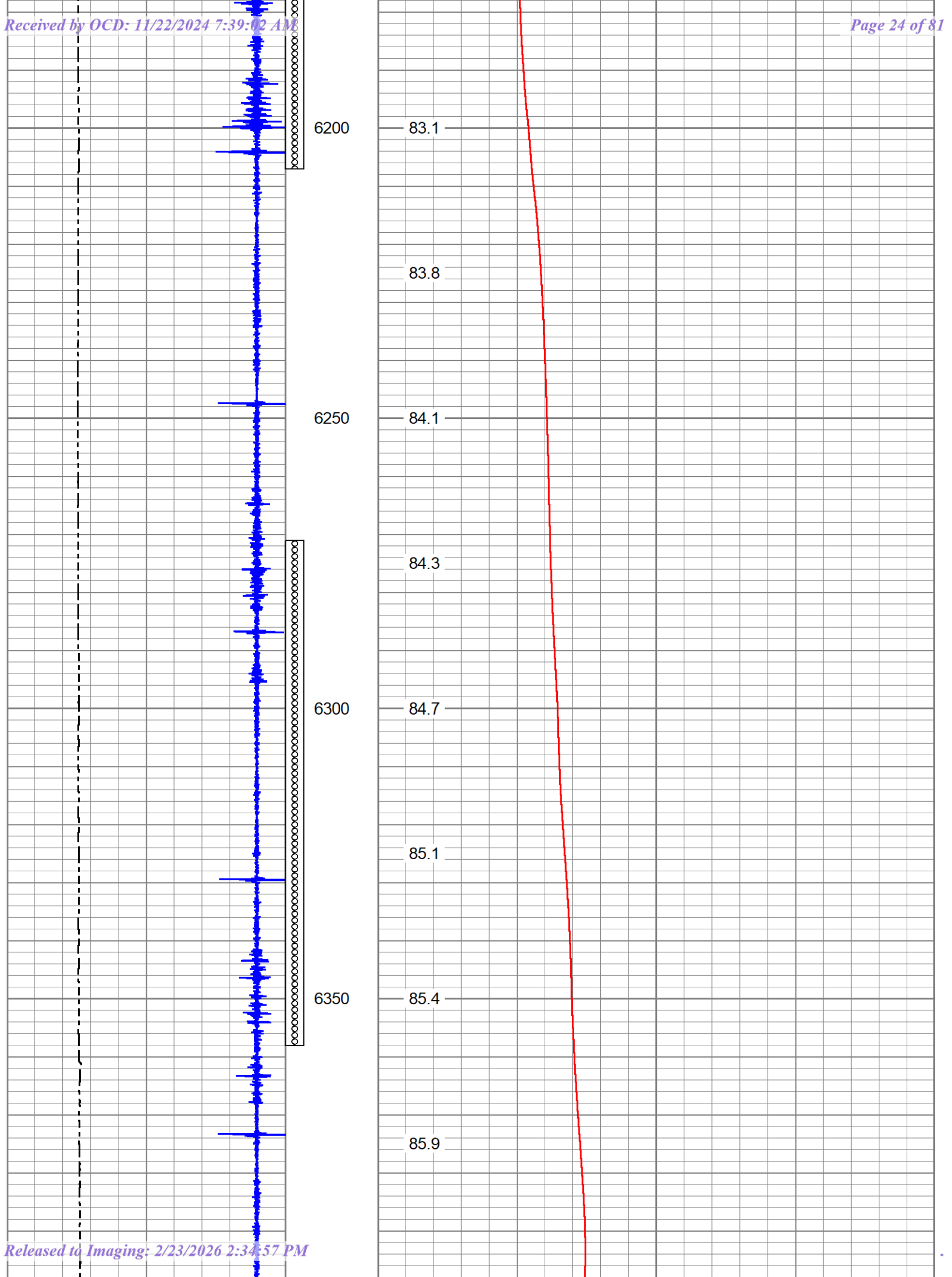


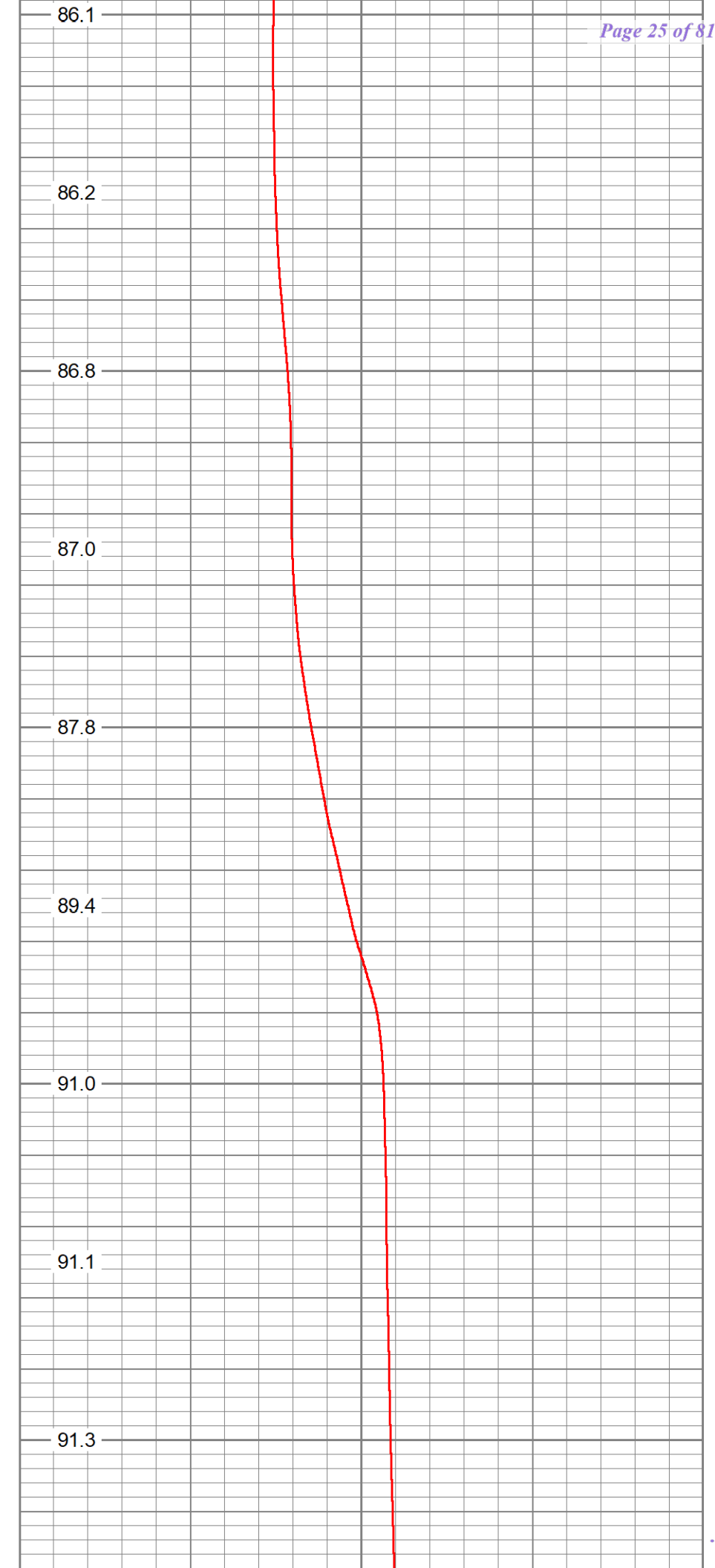
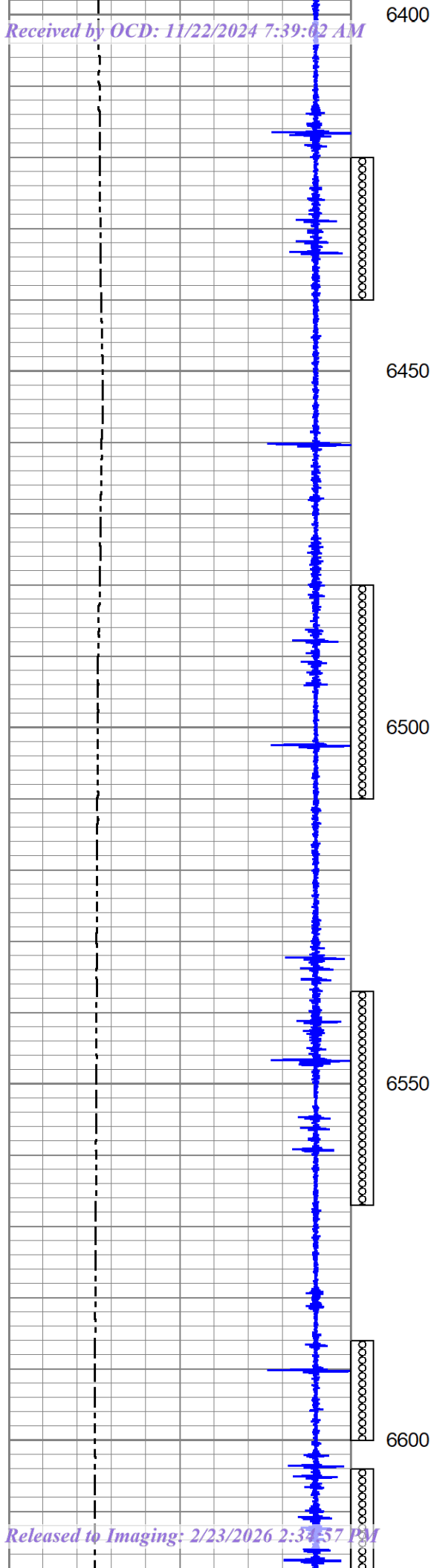


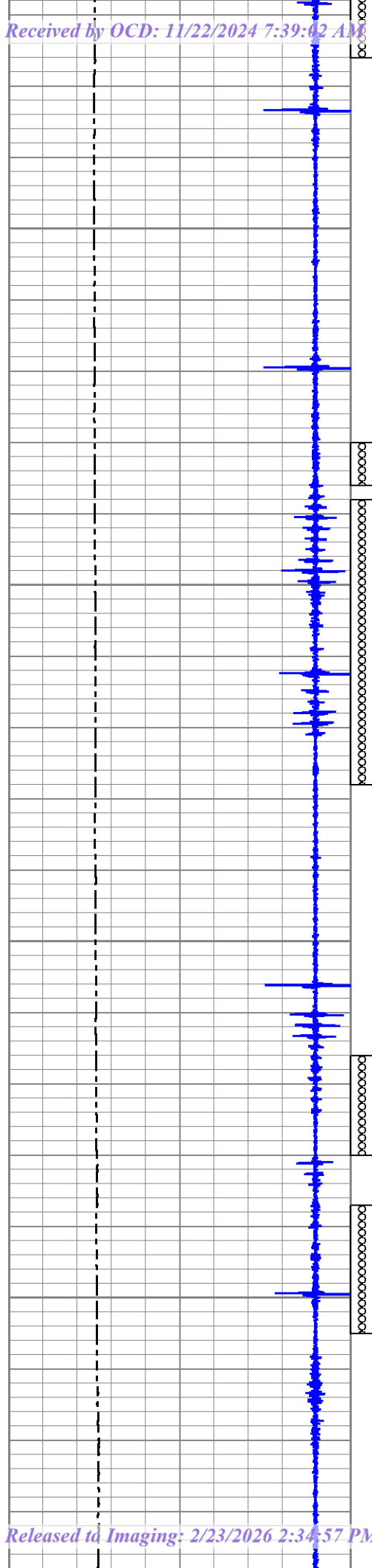












6650

6700

6750

6800

91.5

91.6

91.7

91.9

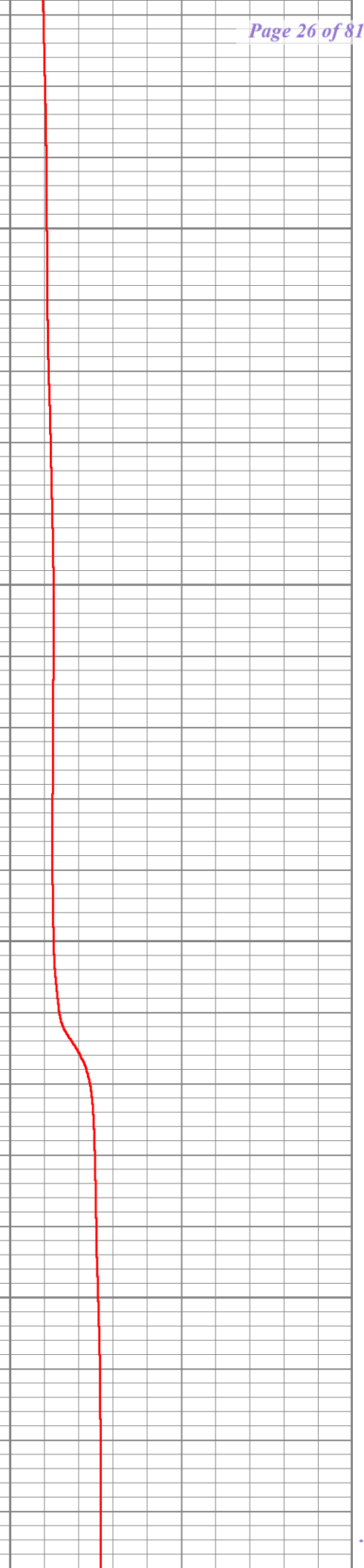
91.9

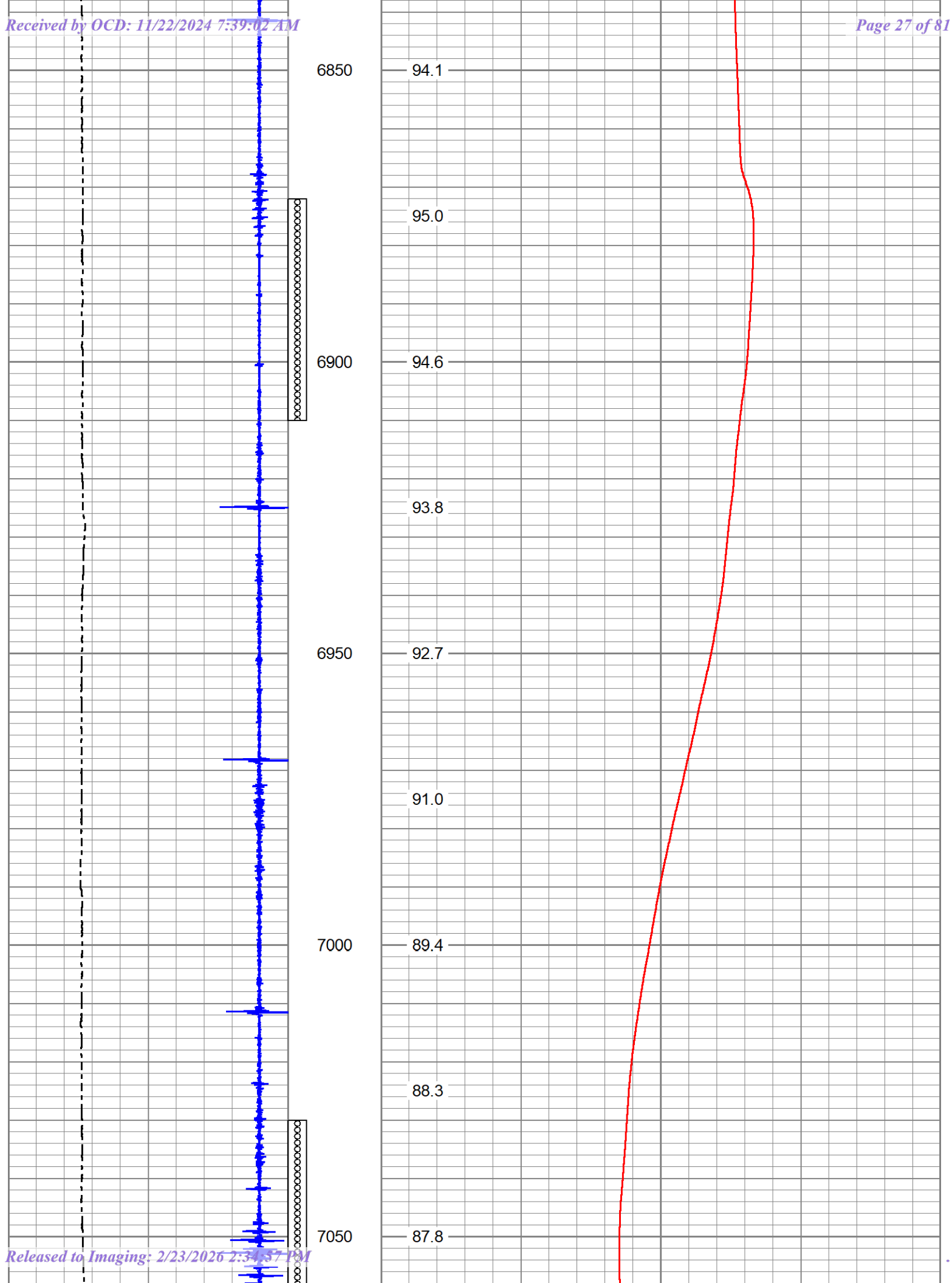
91.9

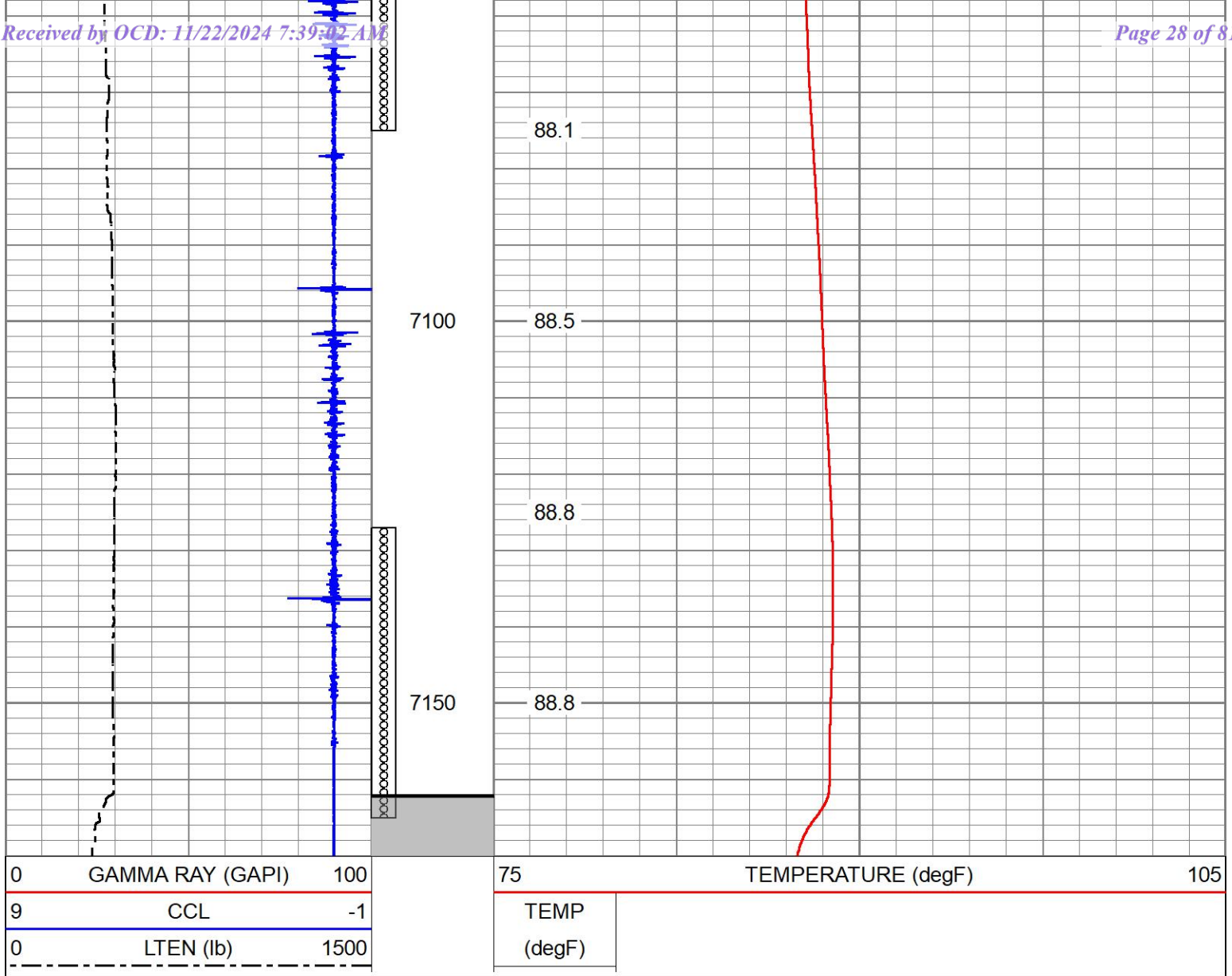
93.7

93.9

94.0







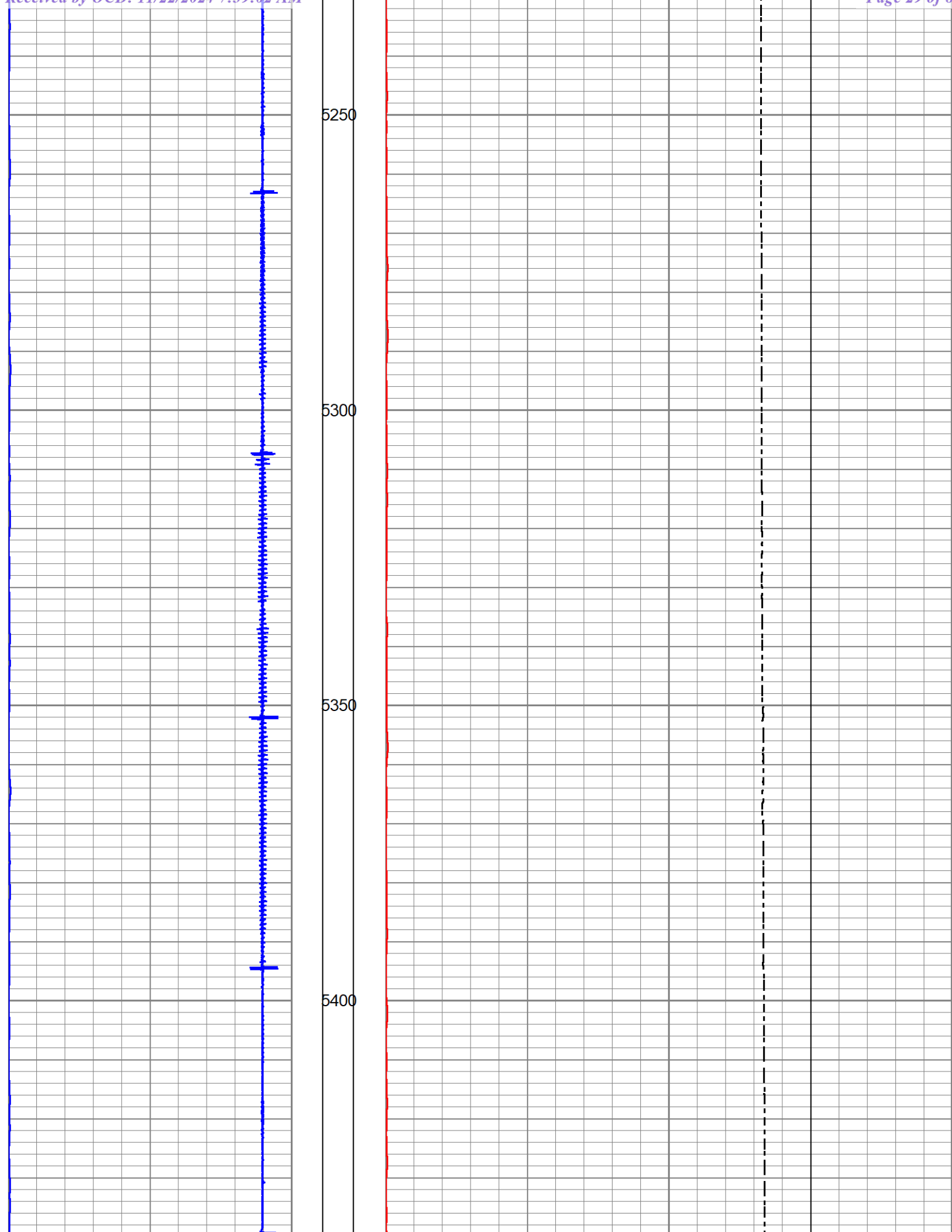
### TRACER BASE PASS

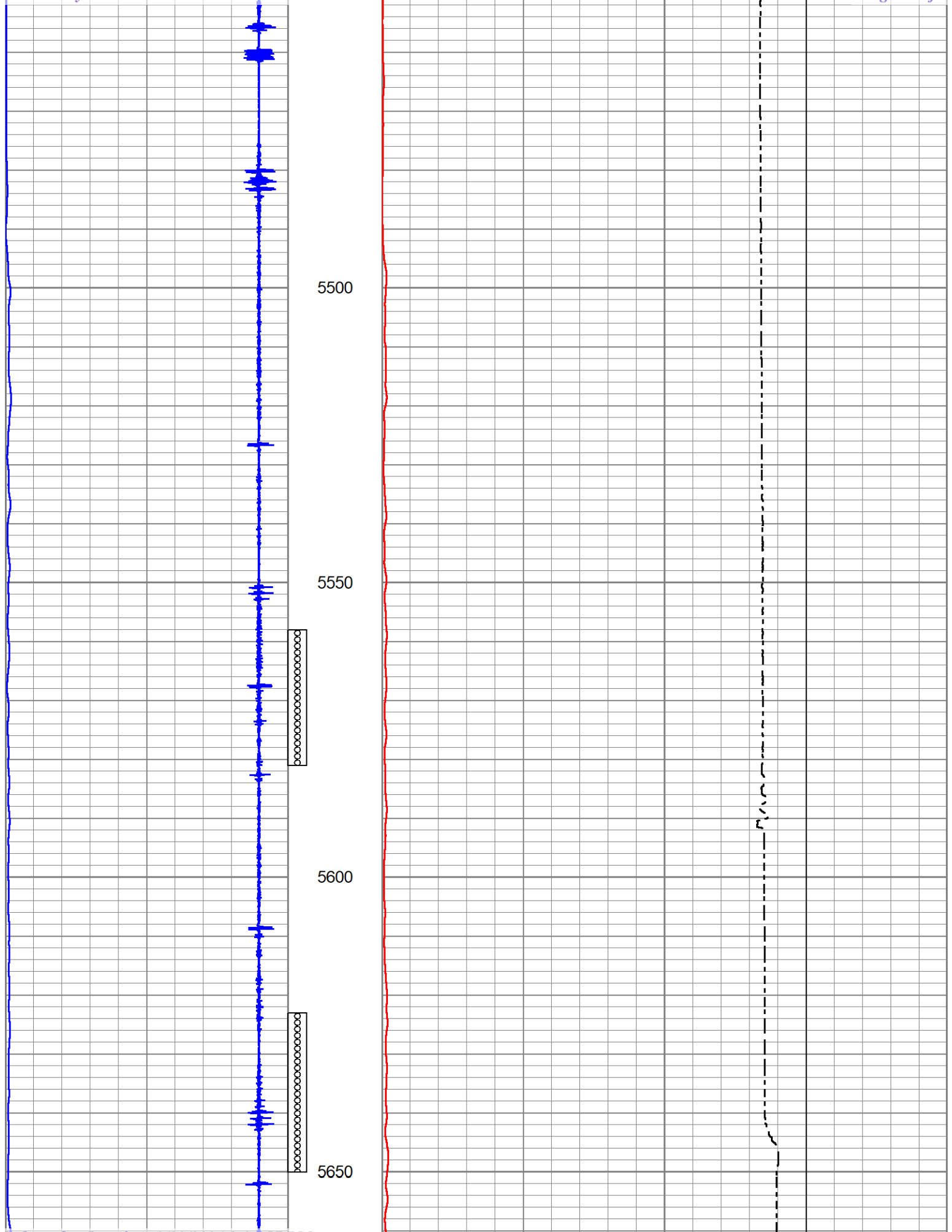
0 BPM @ 825 PSI

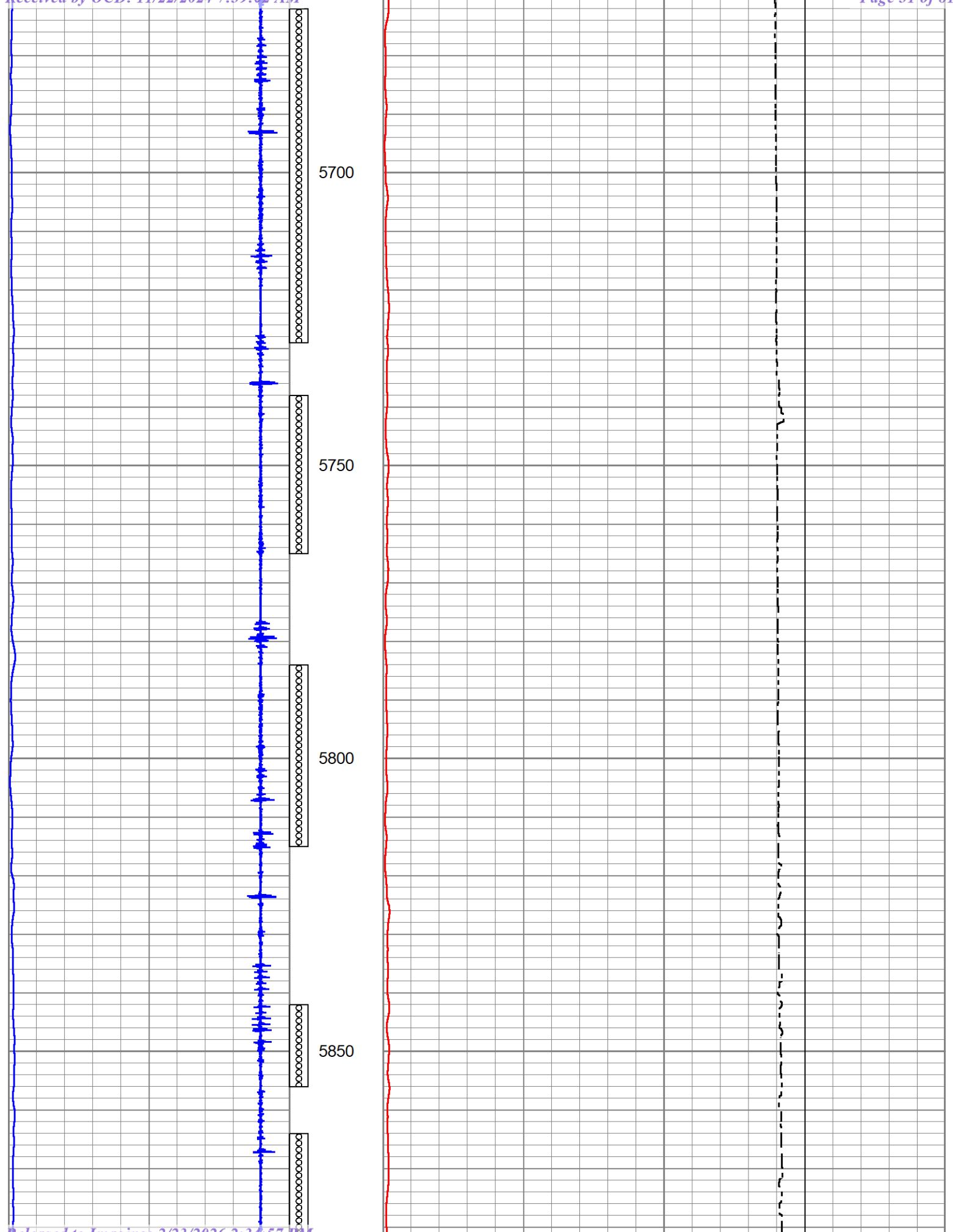
Database File industrial\milestone\_beaza\_rat.db  
 Dataset Pathname SWD1/TRACER/pass1  
 Presentation Format tracer  
 Dataset Creation Sat Oct 26 07:09:53 2024  
 Charted by Depth in Feet scaled 1:240

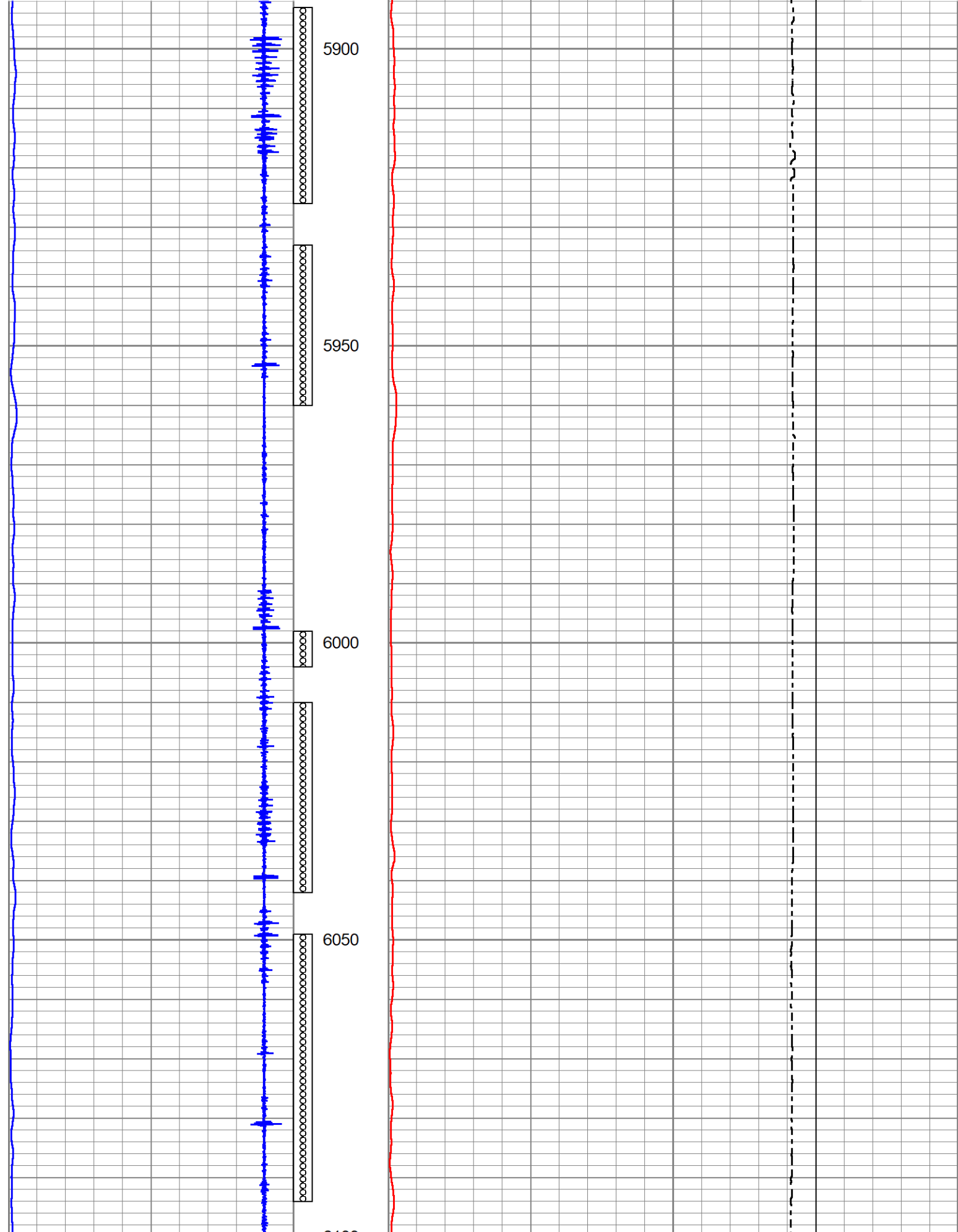
0	DET1 (GAPI)	2500	0	DET2 (GAPI)	2500	-0.5	EJECT	0.5
9	CCL	-1	0	LTEN (lb)	1500			

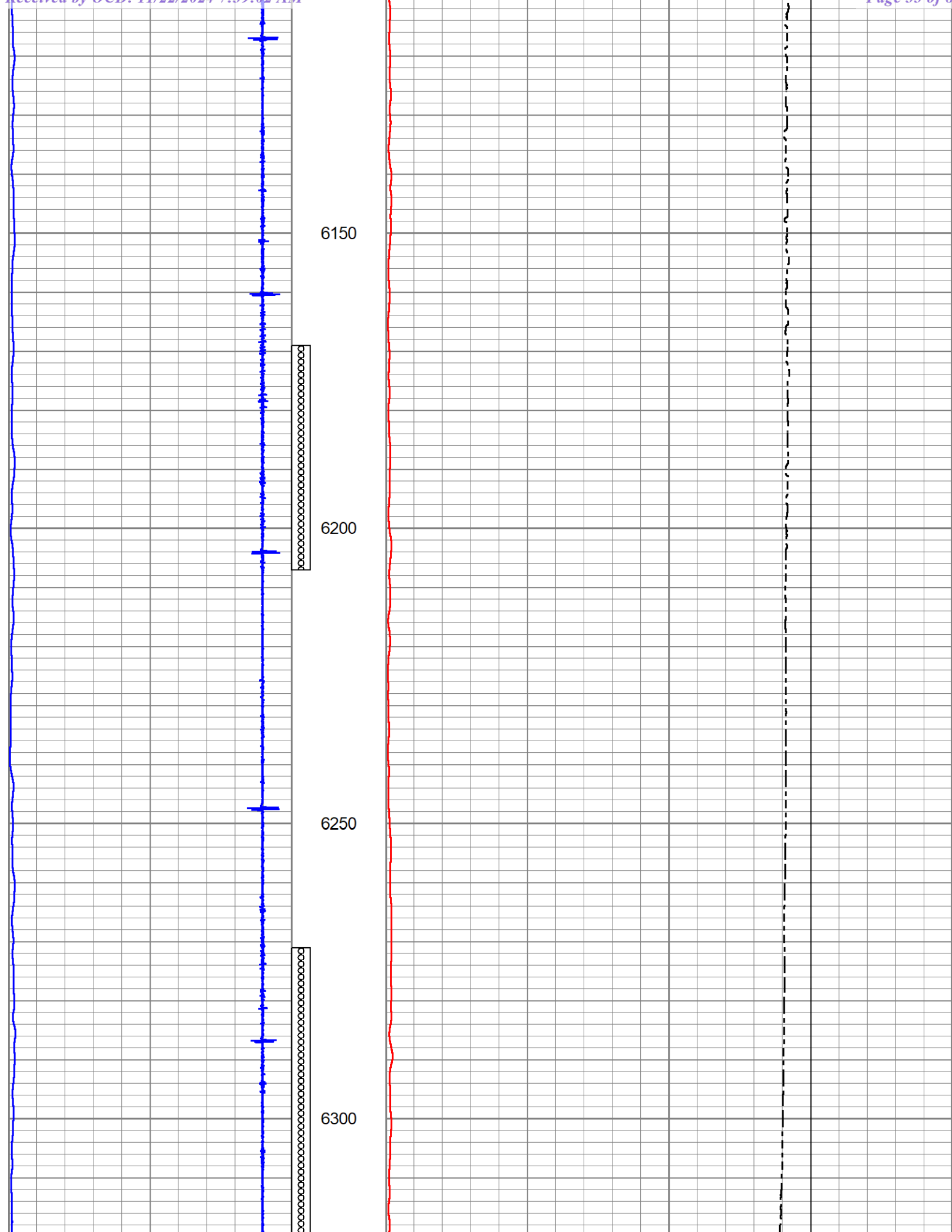


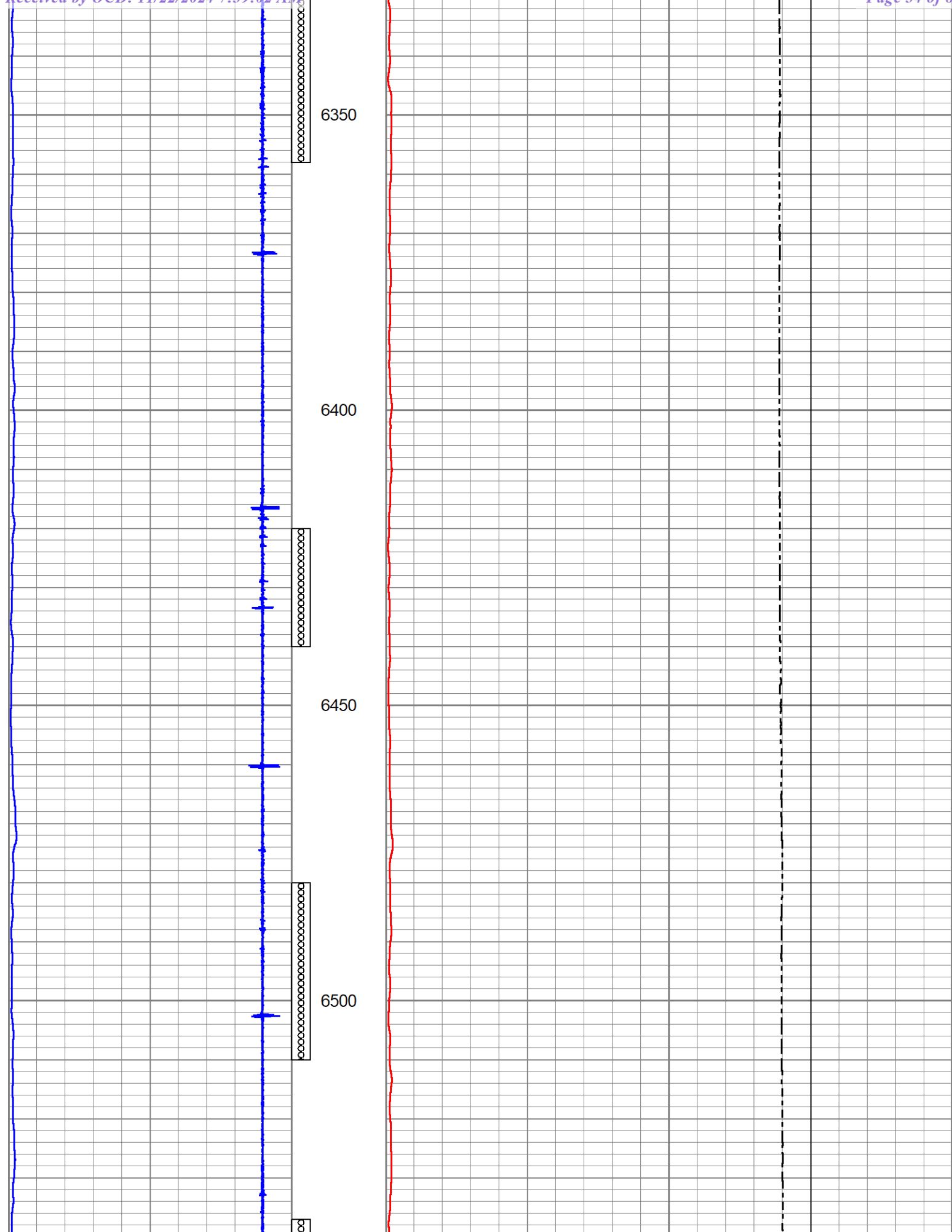


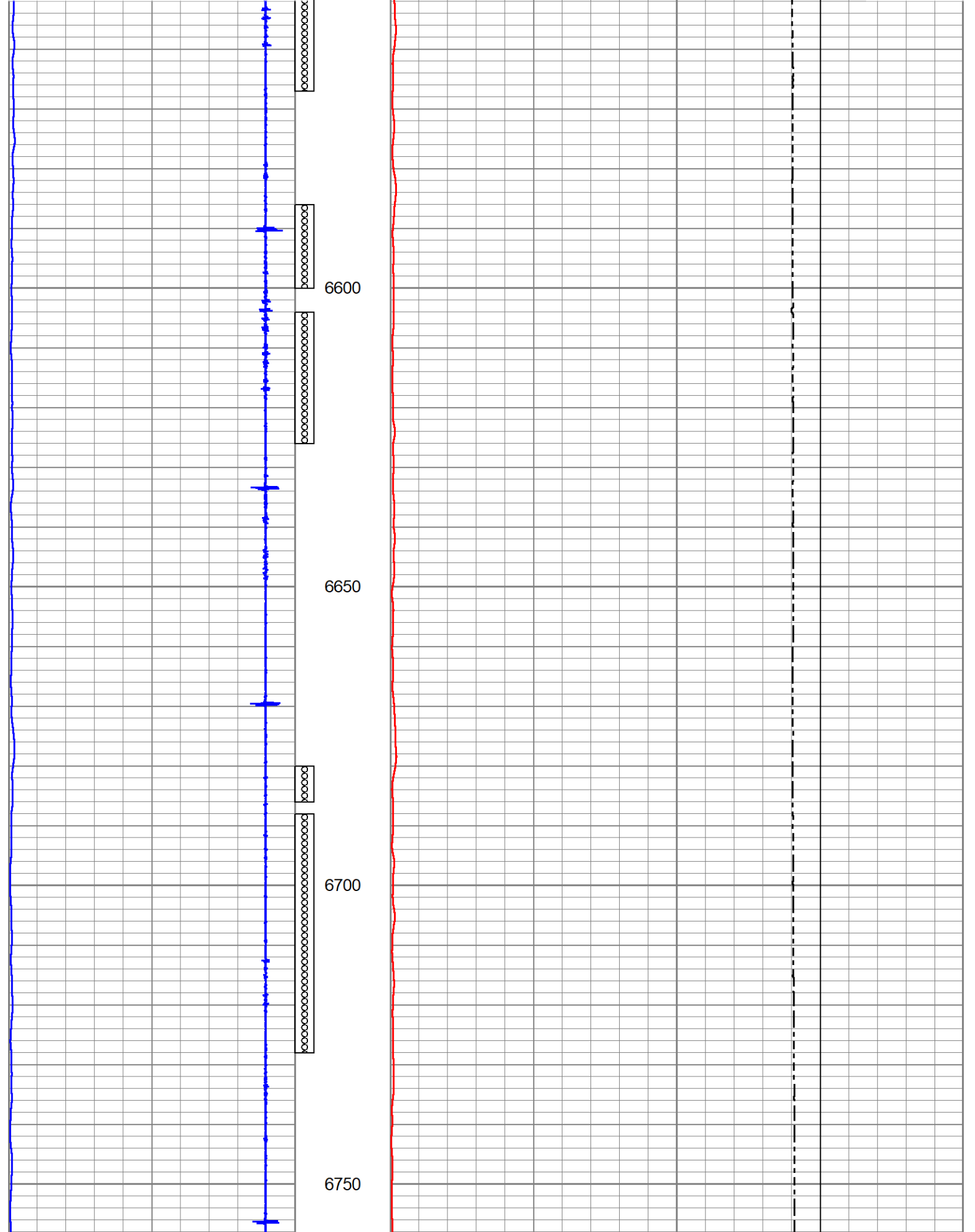


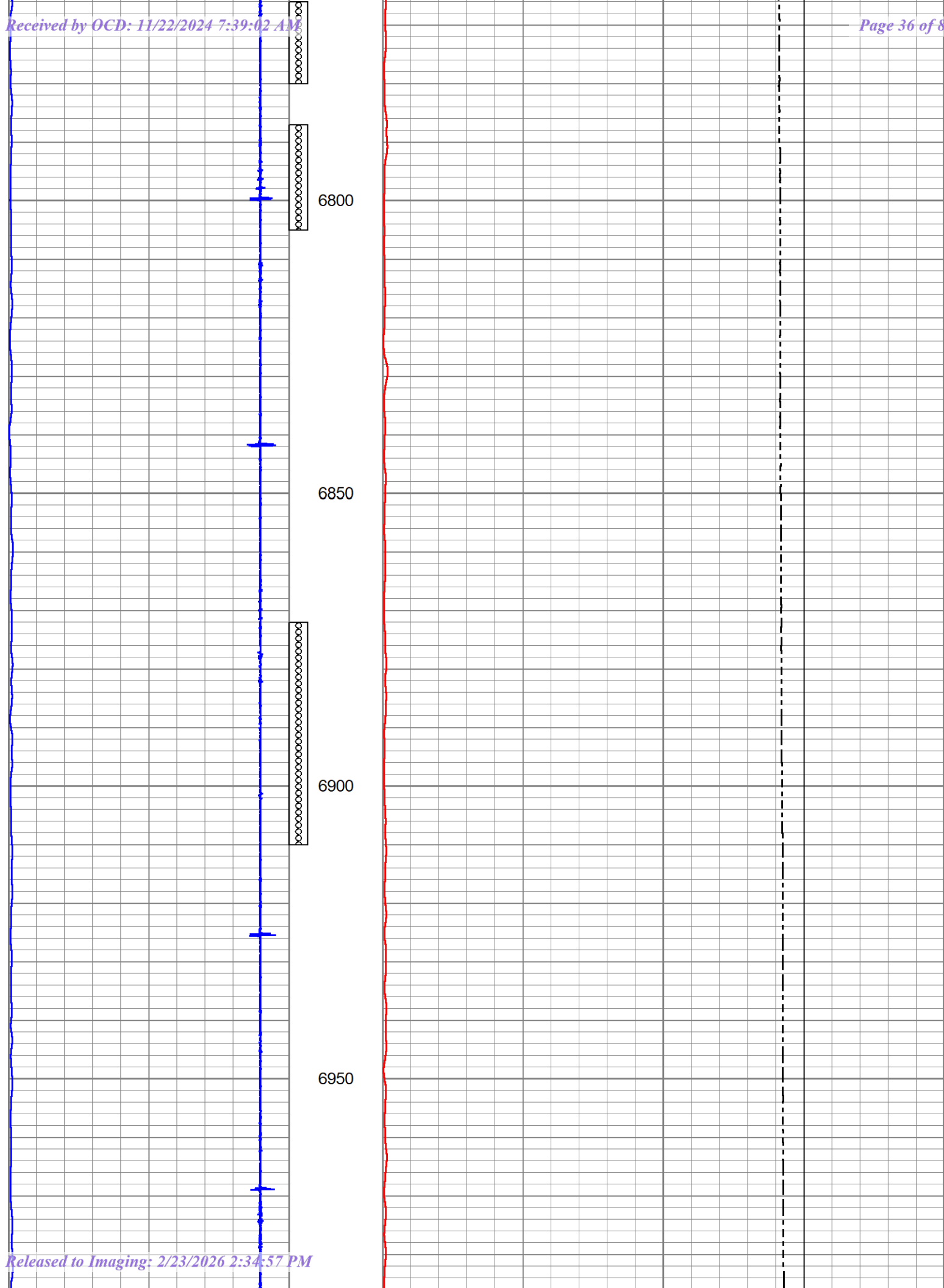


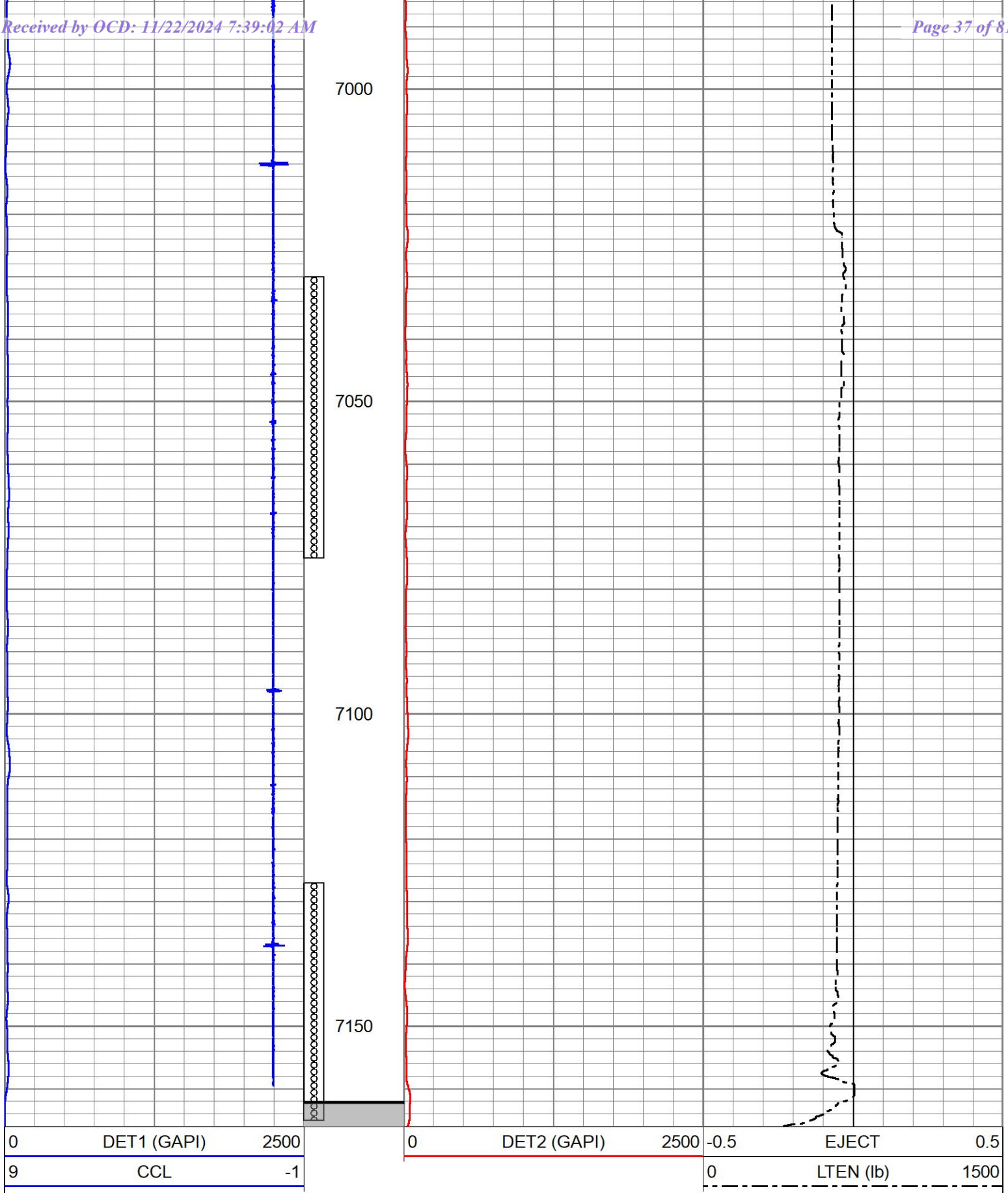






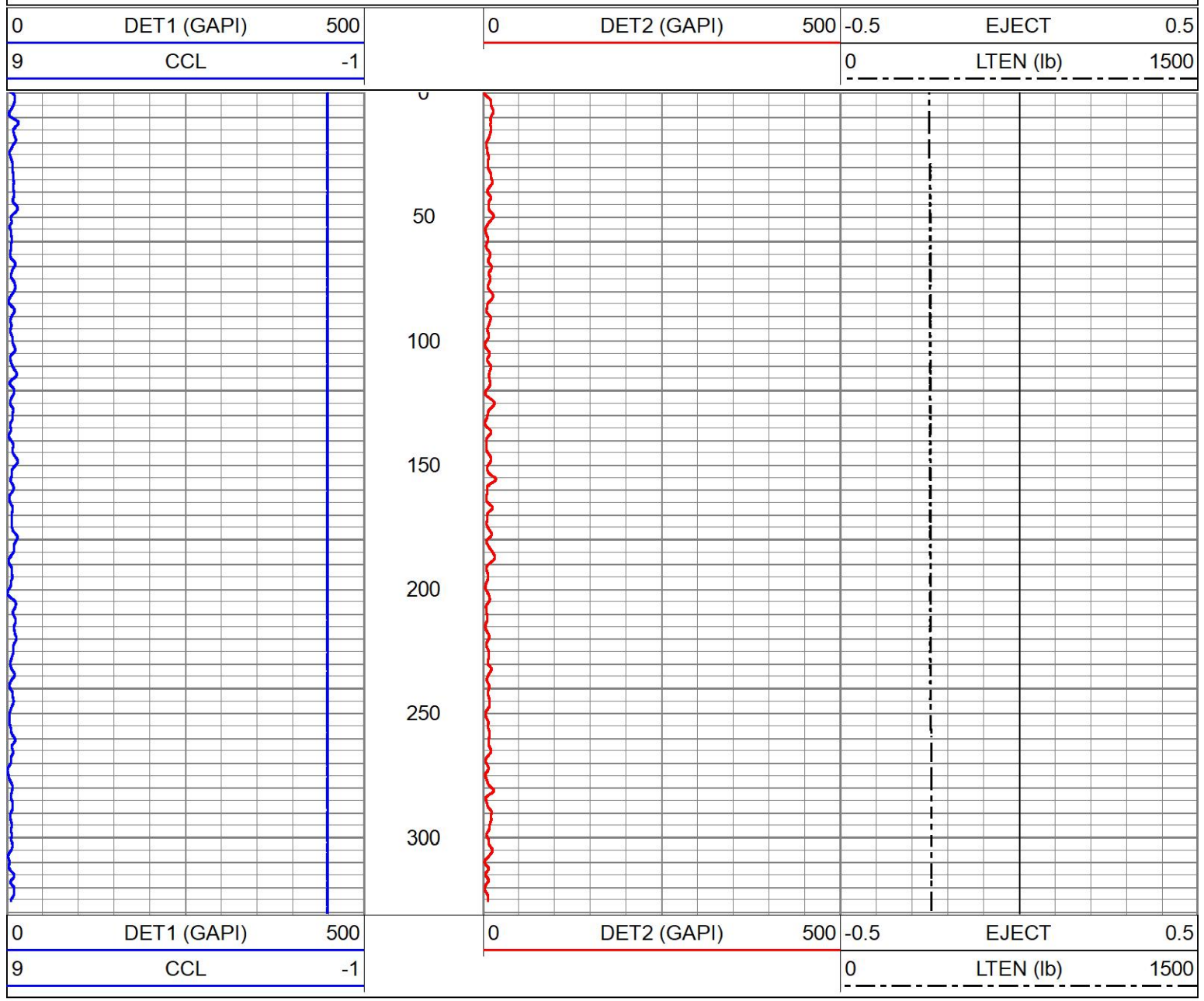






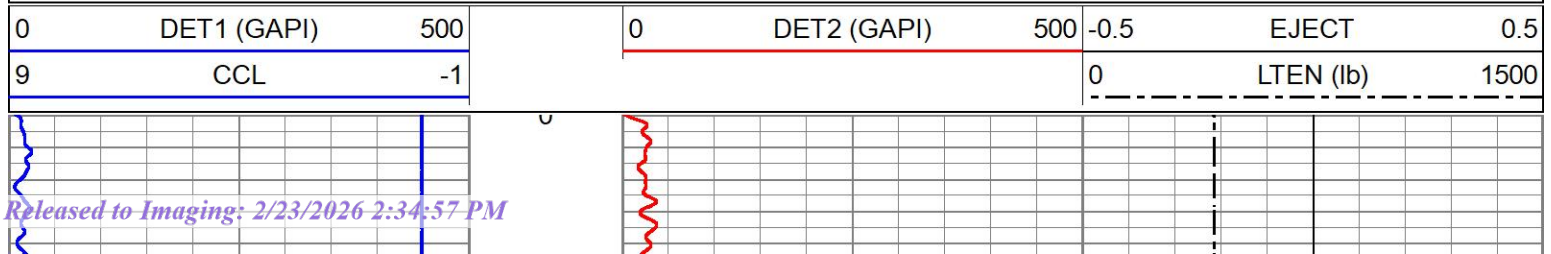
STAT CHECK @ 5430'

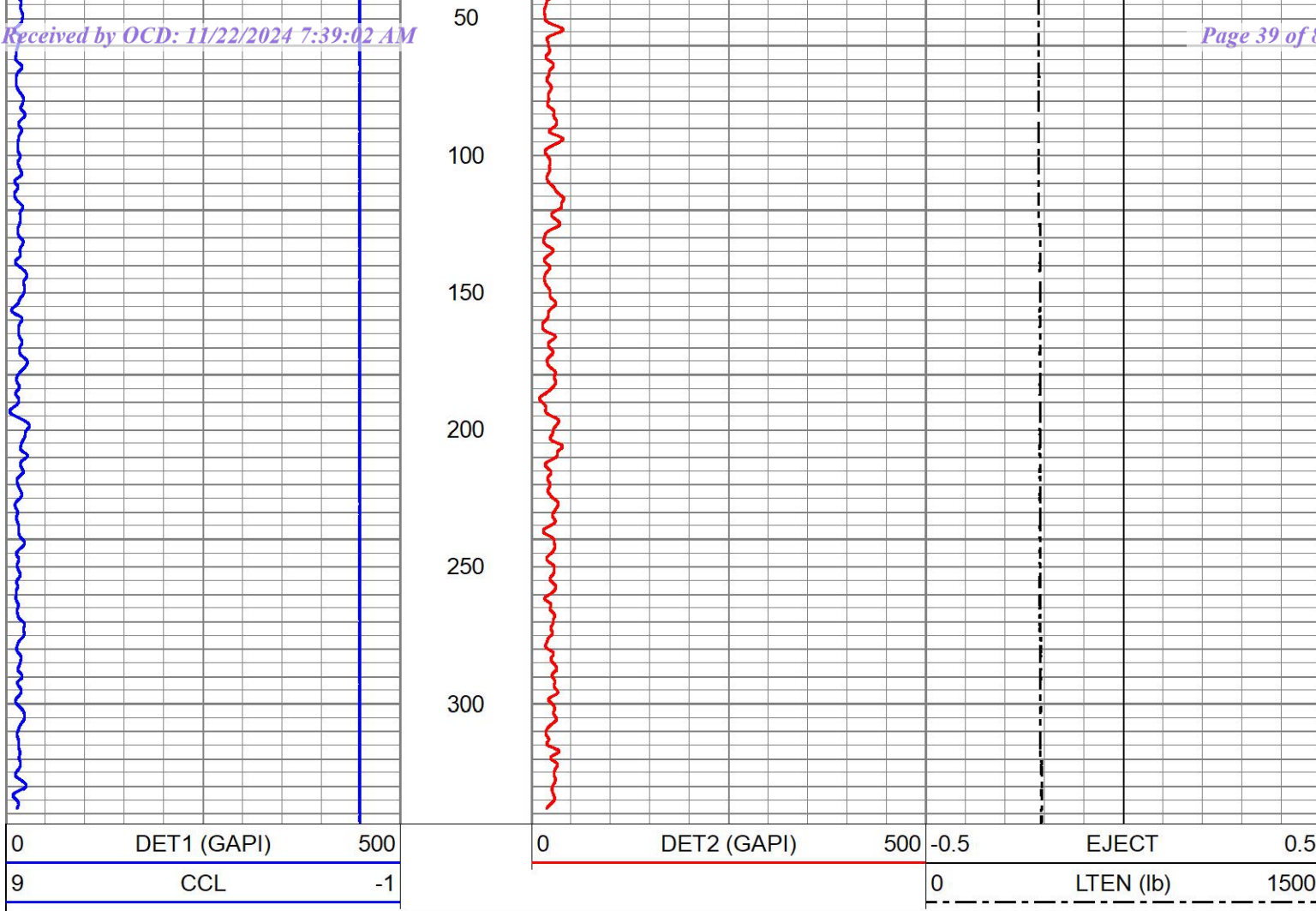
0 BPM @ 825 PSI



### STAT CHECK @ 5535'

0 BPM @ 825 PSI



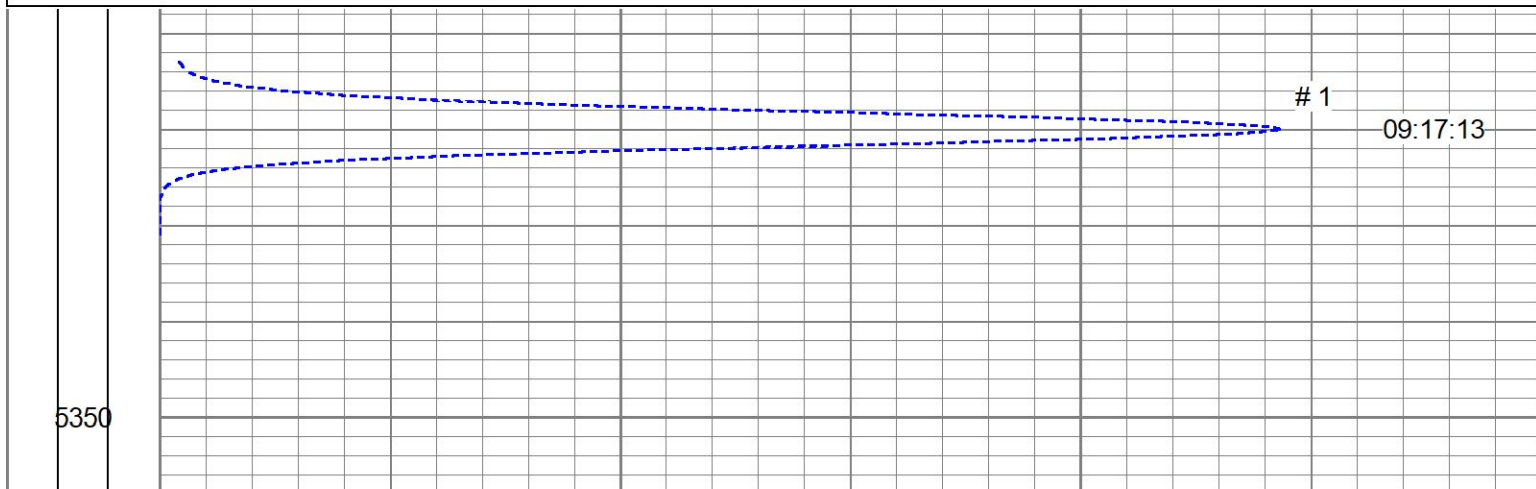


# TRACER # 1 COMPOSITE

3 BPM @ 910 PSI

Database File industrial\milestone\_beaza\_rat.db  
 Dataset Pathname SWD1/TRACER/\_profile1\_  
 Presentation Format trcprof  
 Dataset Creation Sat Oct 26 08:57:31 2024  
 Charted by Depth in Feet scaled 1:240

0 TRACER 6000



5400

5450



# 2

09:18:09

5500

# 3

09:18:48

5550



5600

# 4

5650

# 5

09:20:21

5700

# 6

09:21:15

5750

# 7

5850

# 8

09:23:19

5900

5950

# 9

09:24:25

6000

6050

# 10

09:25:31

6100

# 11

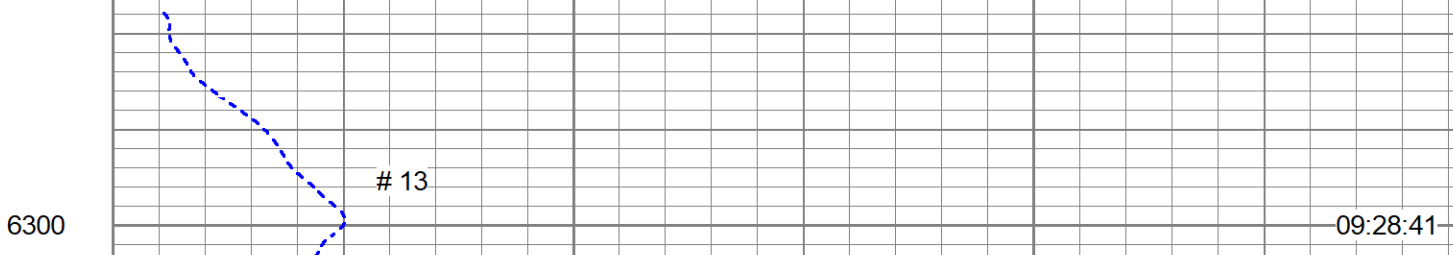
09:26:35

6150

6200

# 12

09:27:36





6500

# 15

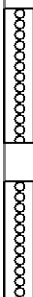
09:31:11



6550

# 16

09:32:20



6600



6650

# 17

09:33:25

6700

# 18

09:34:31

6750

# 19

09:35:35

6800

# 20

09:36:43

6850

6950

# 22

09:39:15

7000

# 23

09:40:31

7050

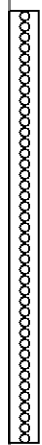
# 24

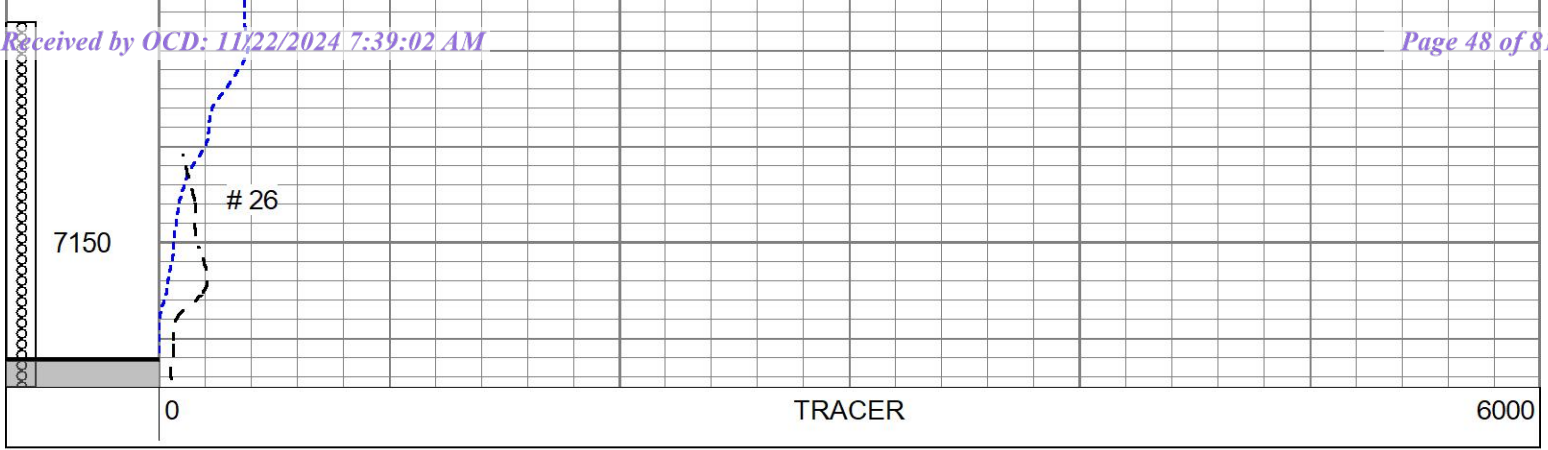
09:41:53

7100

# 25

09:43:07

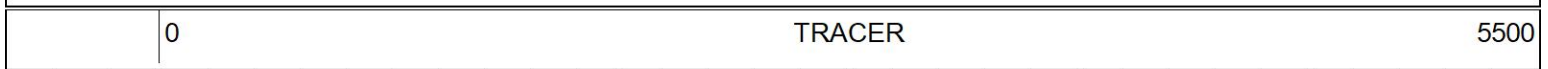




# TRACER # 2

3 BPM @ 935 PSI

Database File industrial\milestone\_beaza\_rat.db  
 Dataset Pathname SWD1/TRACER2/\_profile1\_  
 Presentation Format trcprof  
 Dataset Creation Sat Oct 26 09:58:11 2024  
 Charted by Depth in Feet scaled 1:240



5450

# 2

10:15:50

5500

# 3

10:16:25

5550

# 4

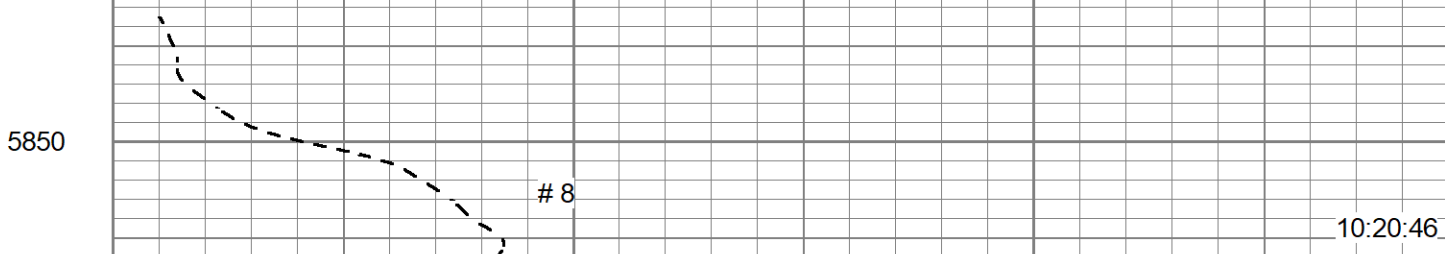
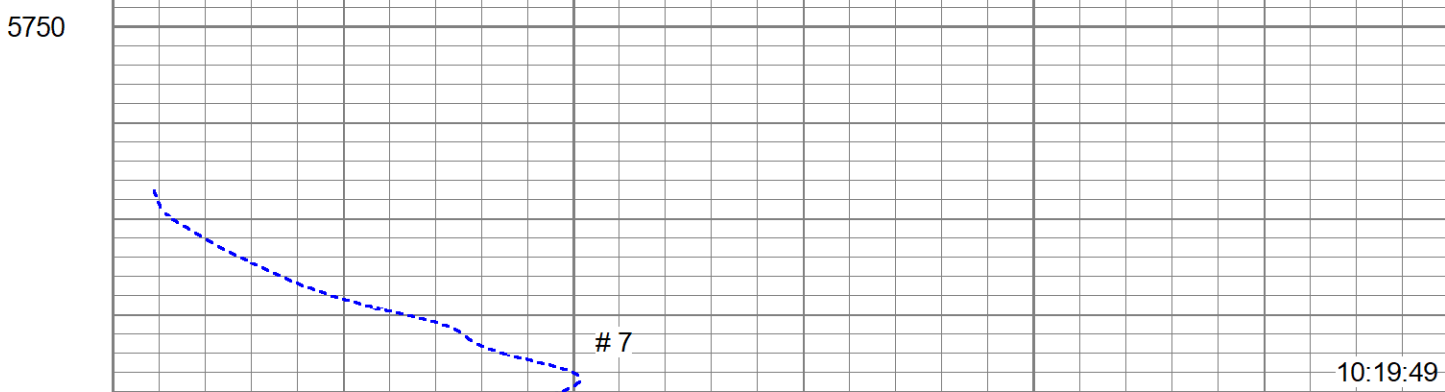
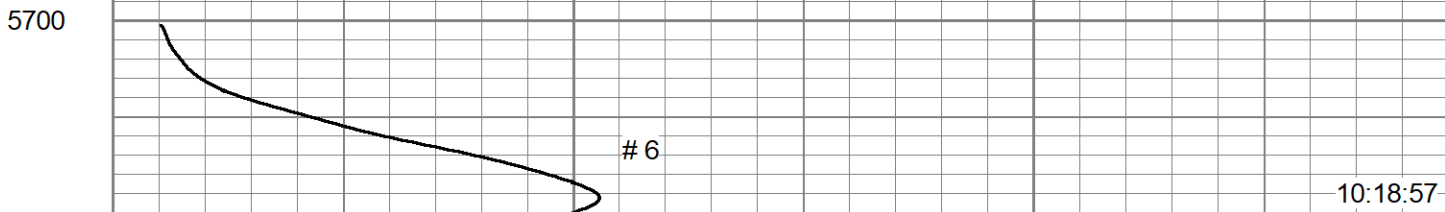
10:17:10

5600

# 5

10:18:02

5650



5900

5950

6000

6050

6100

# 9

10:21:46

# 10

10:23:02

6150

# 11

10:24:09

6200

# 12

10:25:14

6250

6300

# 13

10:26:20

6350

6400

6450

6500

# 14

10:27:29

# 15

10:28:39

6550

# 16

10:29:56

6600

6650

# 17

10:31:21

6700

6750

# 18

10:32:44



6800

6850

6900

6950

# 19

# 20

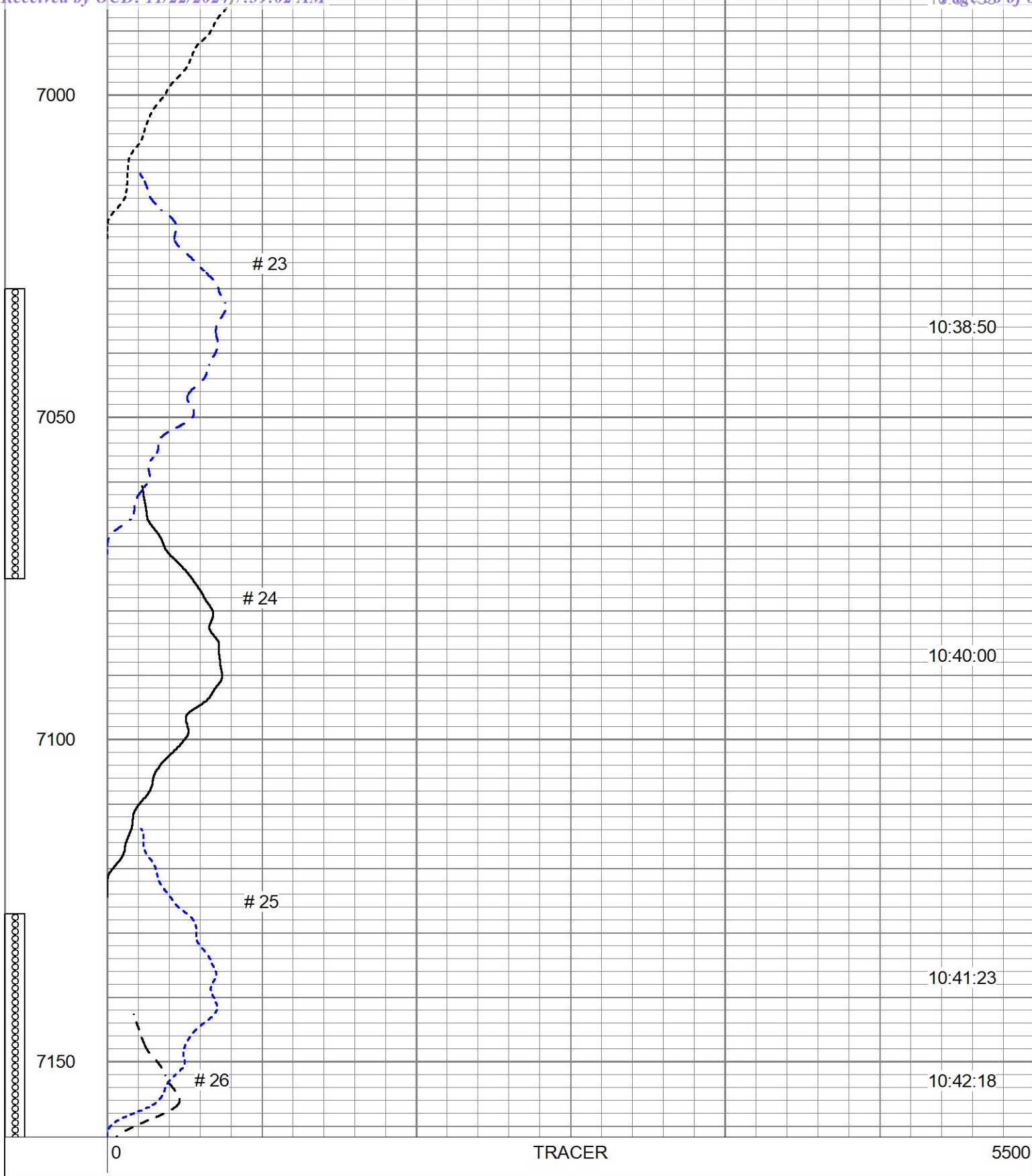
# 21

# 22

10:33:55

10:35:14

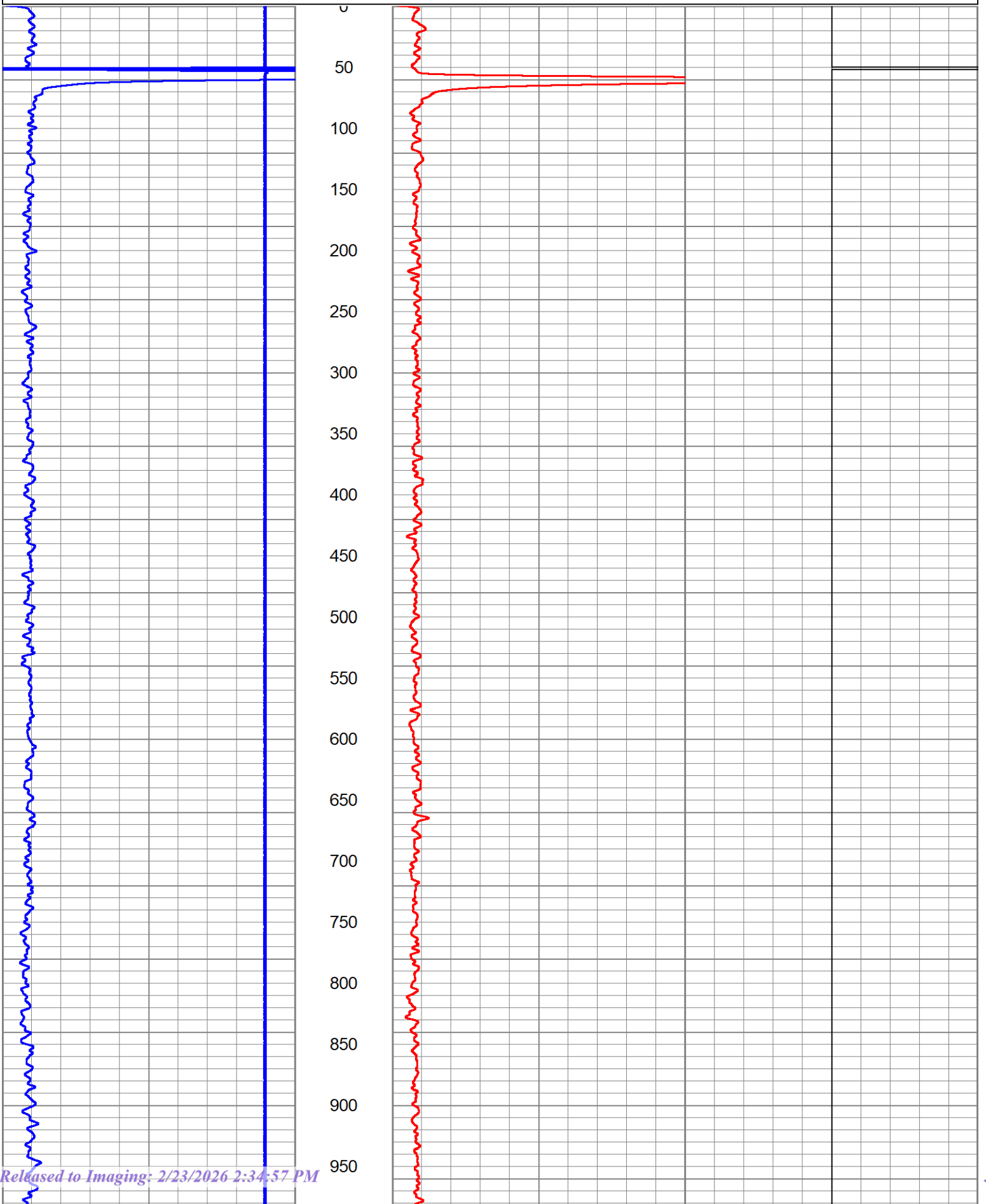
10:36:22

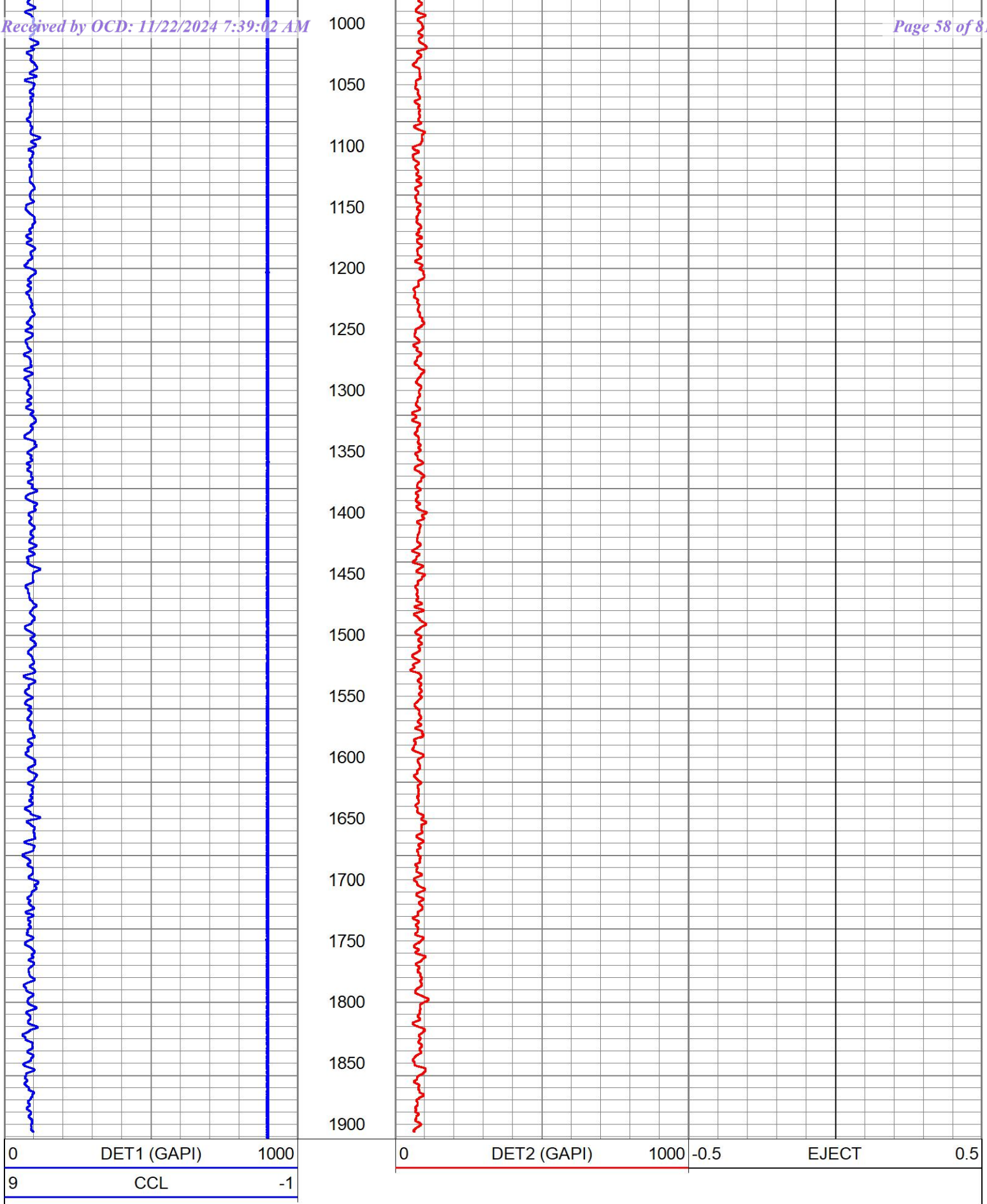


TIME DRIVE # 1 @ 5497'

3 BPM @ 935 PSI

0	DET1 (GAPI)	1000	0	DET2 (GAPI)	1000	-0.5	EJECT	0.5
9	CCL	-1						



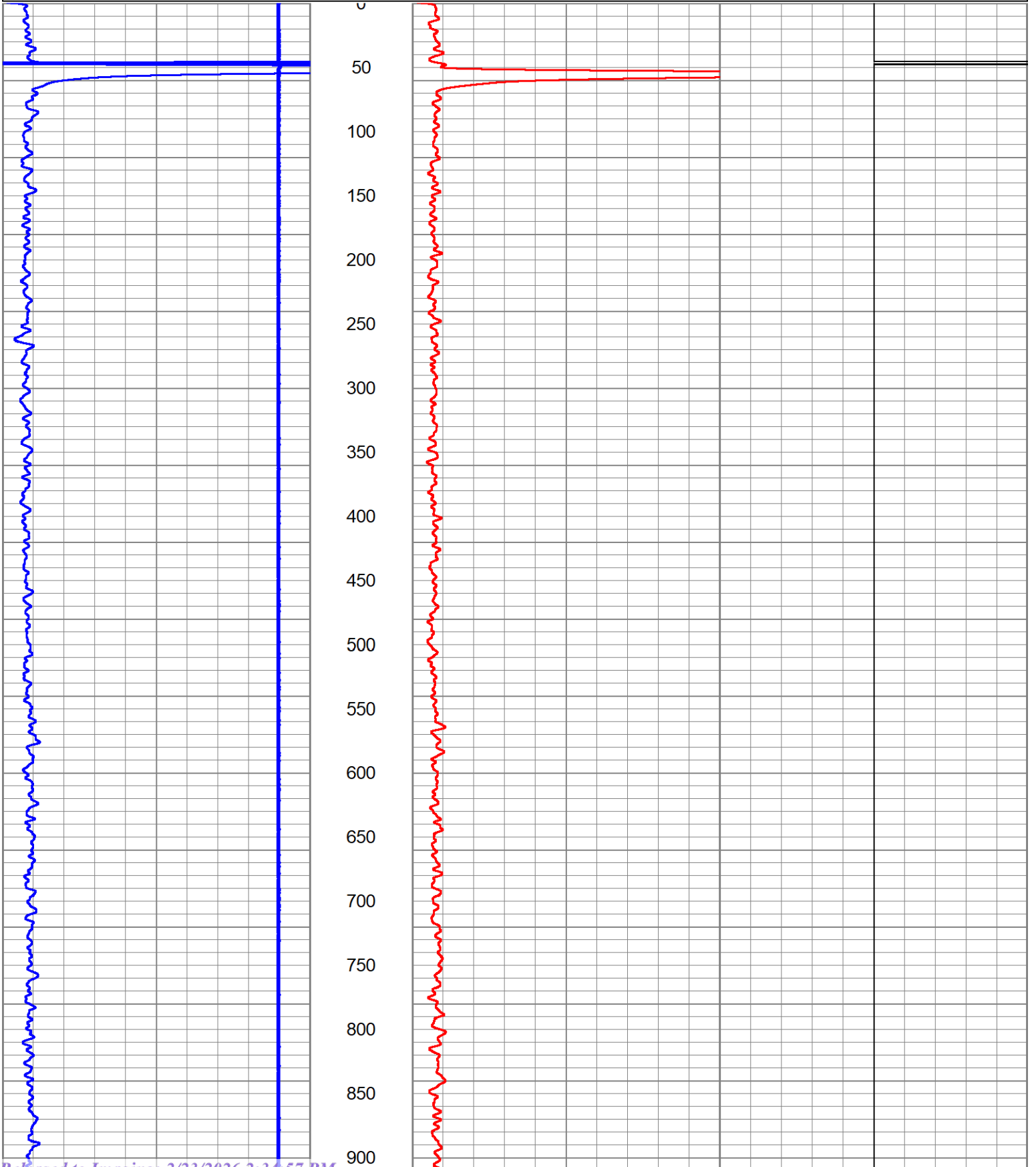


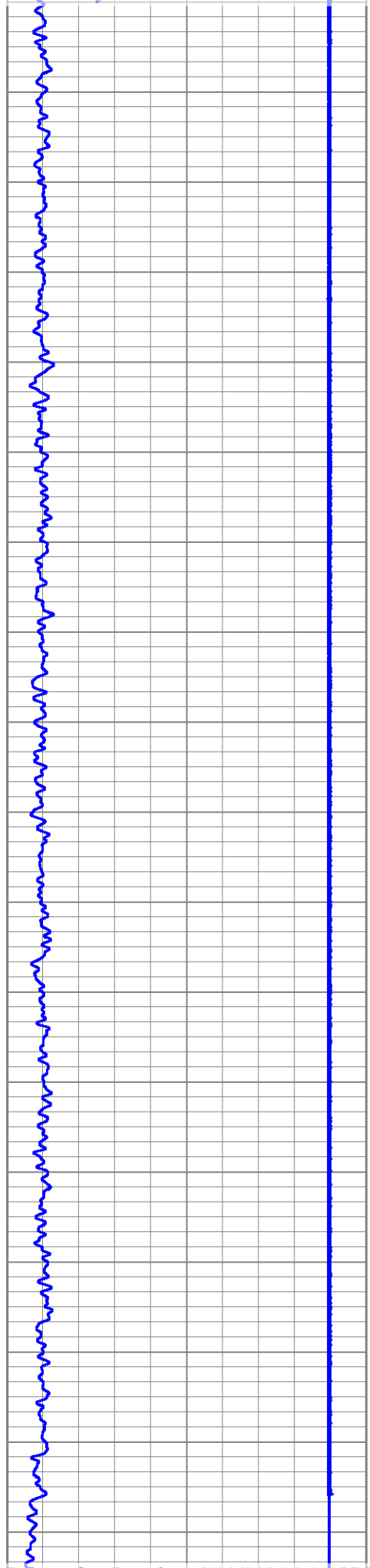
TIME DRIVE # 2 @ 5497'

3 BPM @ 935 PSI

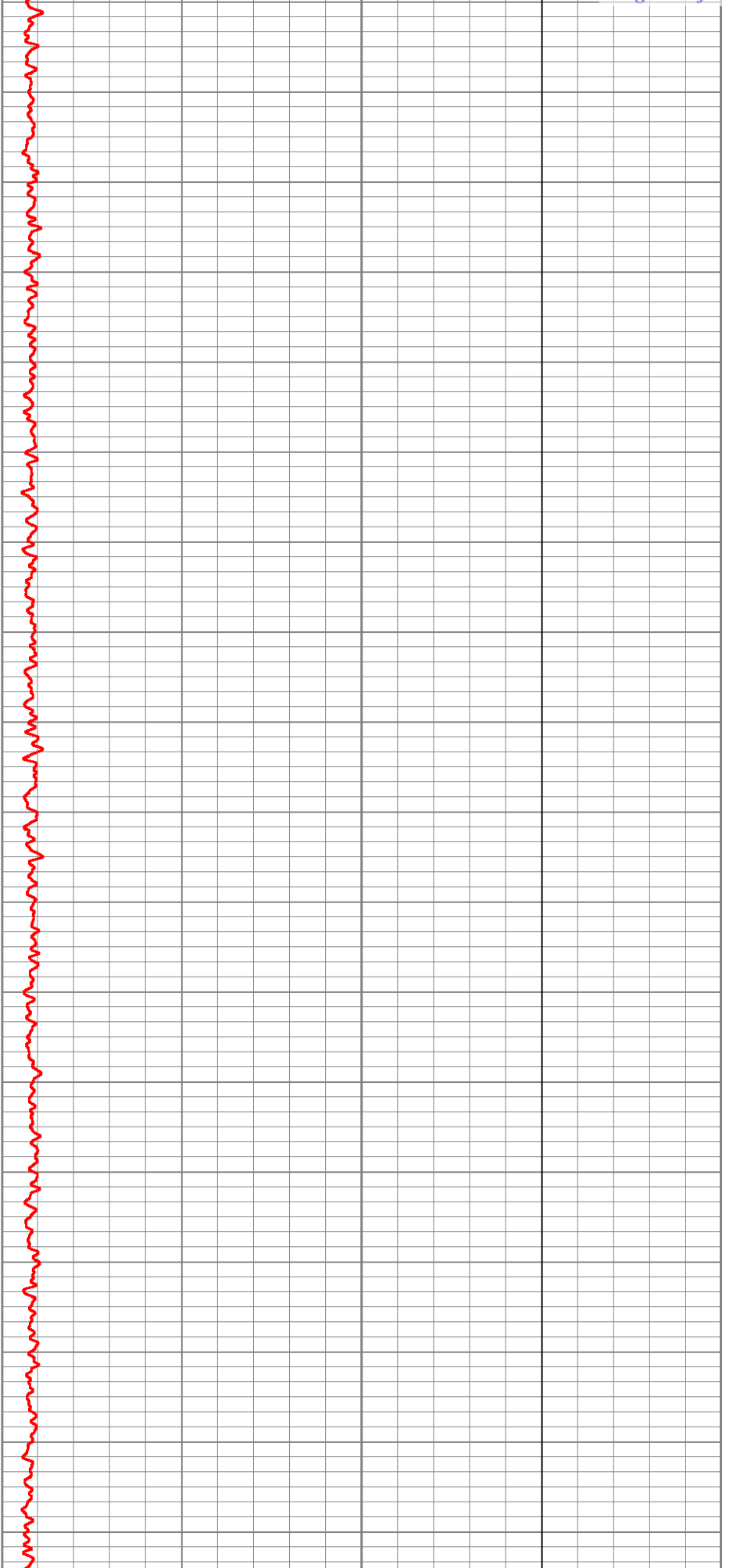
Database File industrial/milestone\_beaza\_rat.db  
Dataset Pathname SWD1/TIMEDRIVE1/pass2  
Presentation Format tracer  
Dataset Creation Sat Oct 26 10:28:49 2024  
Charted by Time scaled 36/hour

0	DET1 (GAPI)	1000	0	DET2 (GAPI)	1000	-0.5	EJECT	0.5
9	CCL	-1						





950  
1000  
1050  
1100  
1150  
1200  
1250  
1300  
1350  
1400  
1450  
1500  
1550  
1600  
1650  
1700  
1750  
1800  
1850  
1900  
1950  
2000



0	DET1 (GAPI)	1000
9	CCL	-1

0	DET2 (GAPI)	1000	-0.5	EJECT	0.5
---	-------------	------	------	-------	-----



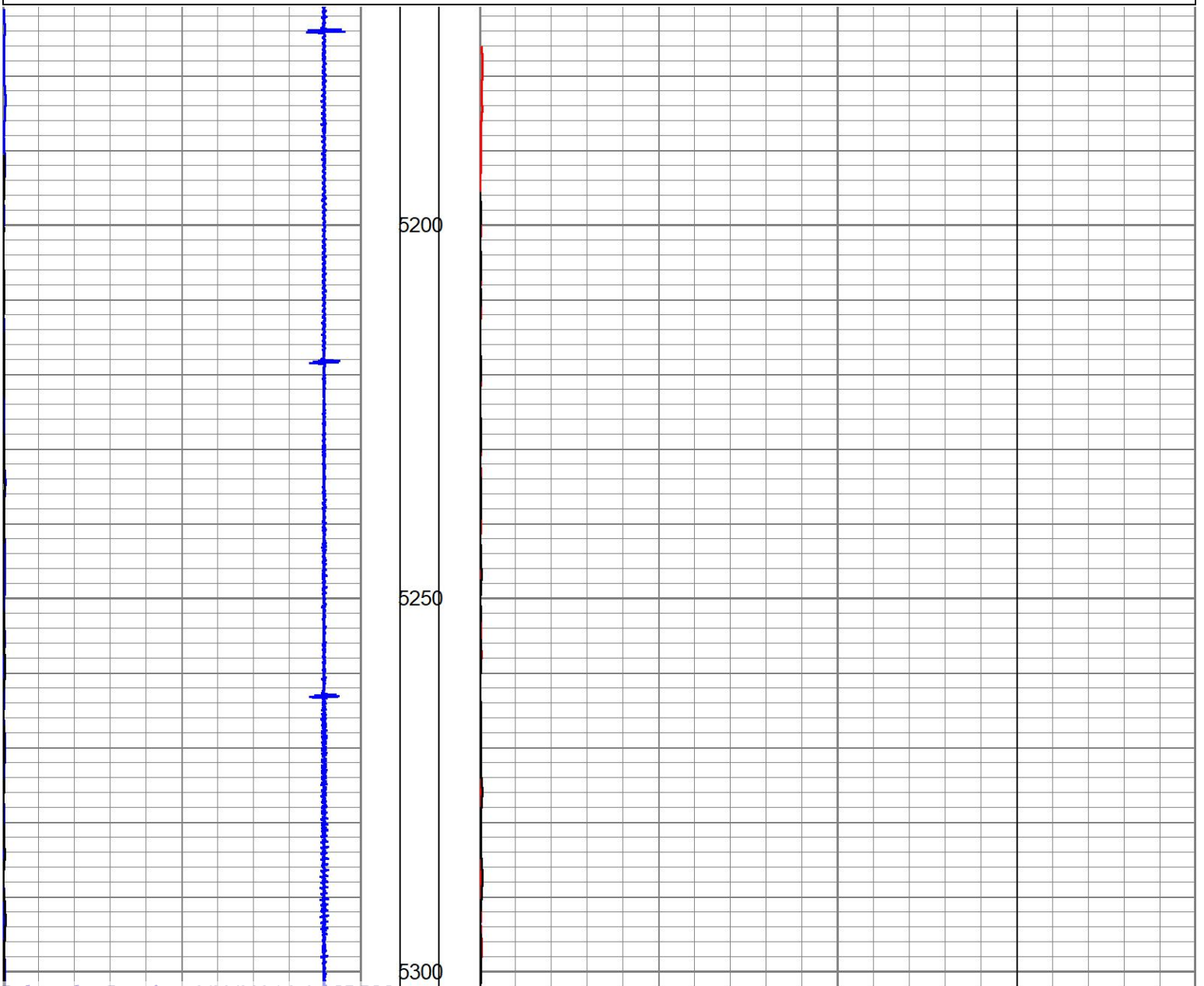
# POST INJECTION BASE

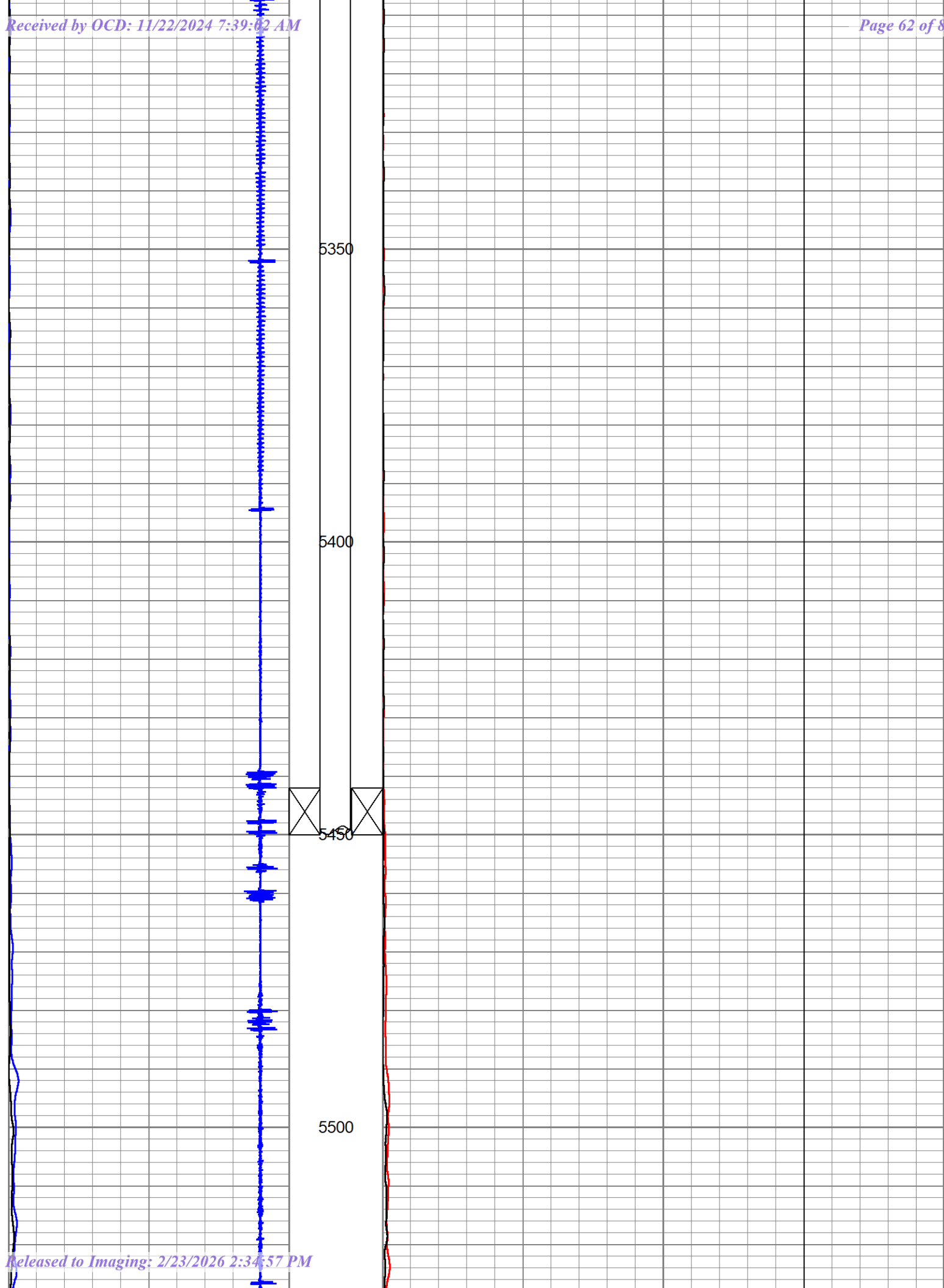
0 BPM @ 825 PSI

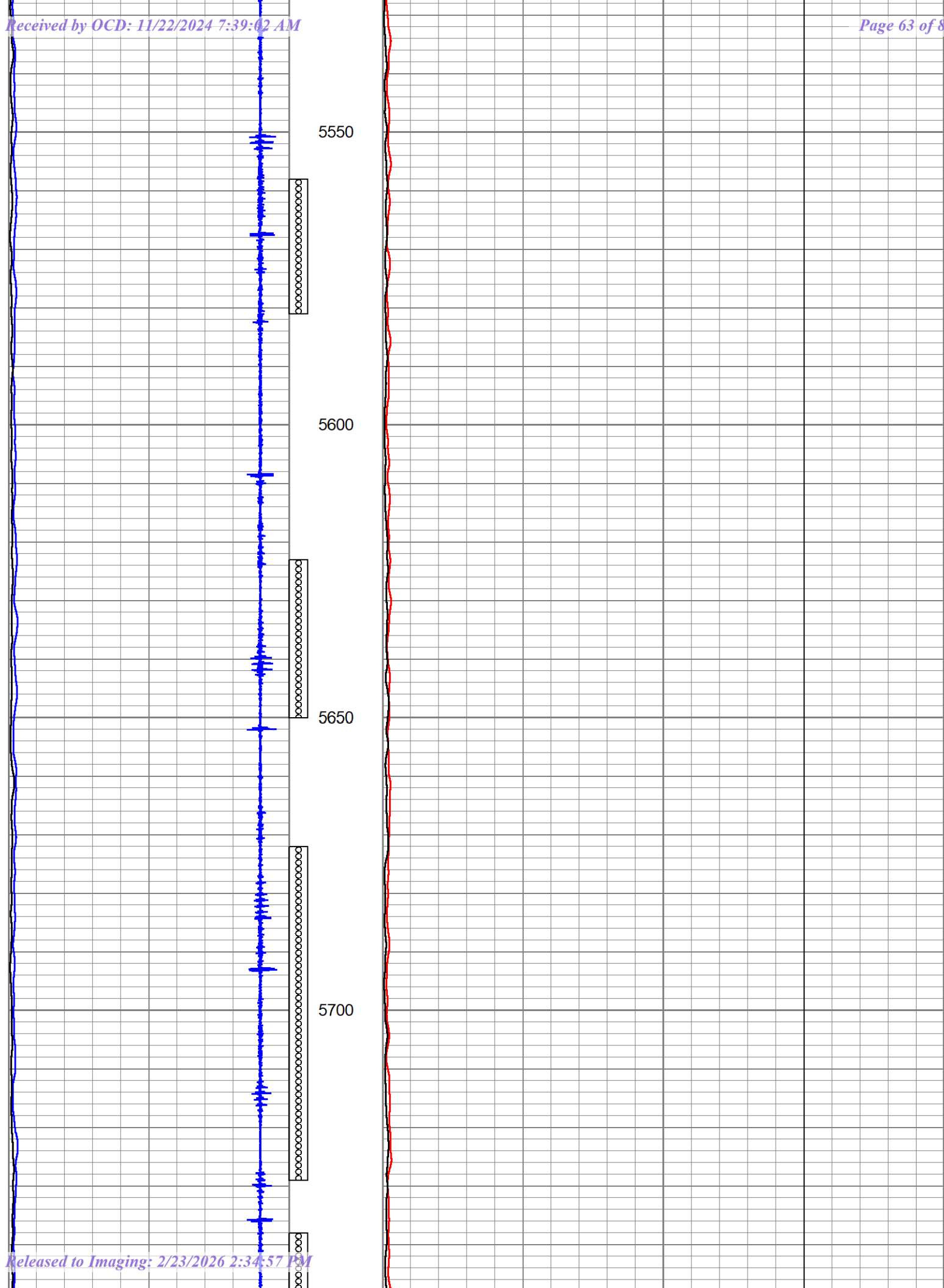
Database File industrial\milestone\_beaza\_rat.db  
 Dataset Pathname SWD1/POSTBASE/pass1  
 Presentation Format tracer  
 Dataset Creation Sat Oct 26 11:39:42 2024  
 Charted by Depth in Feet scaled 1:240

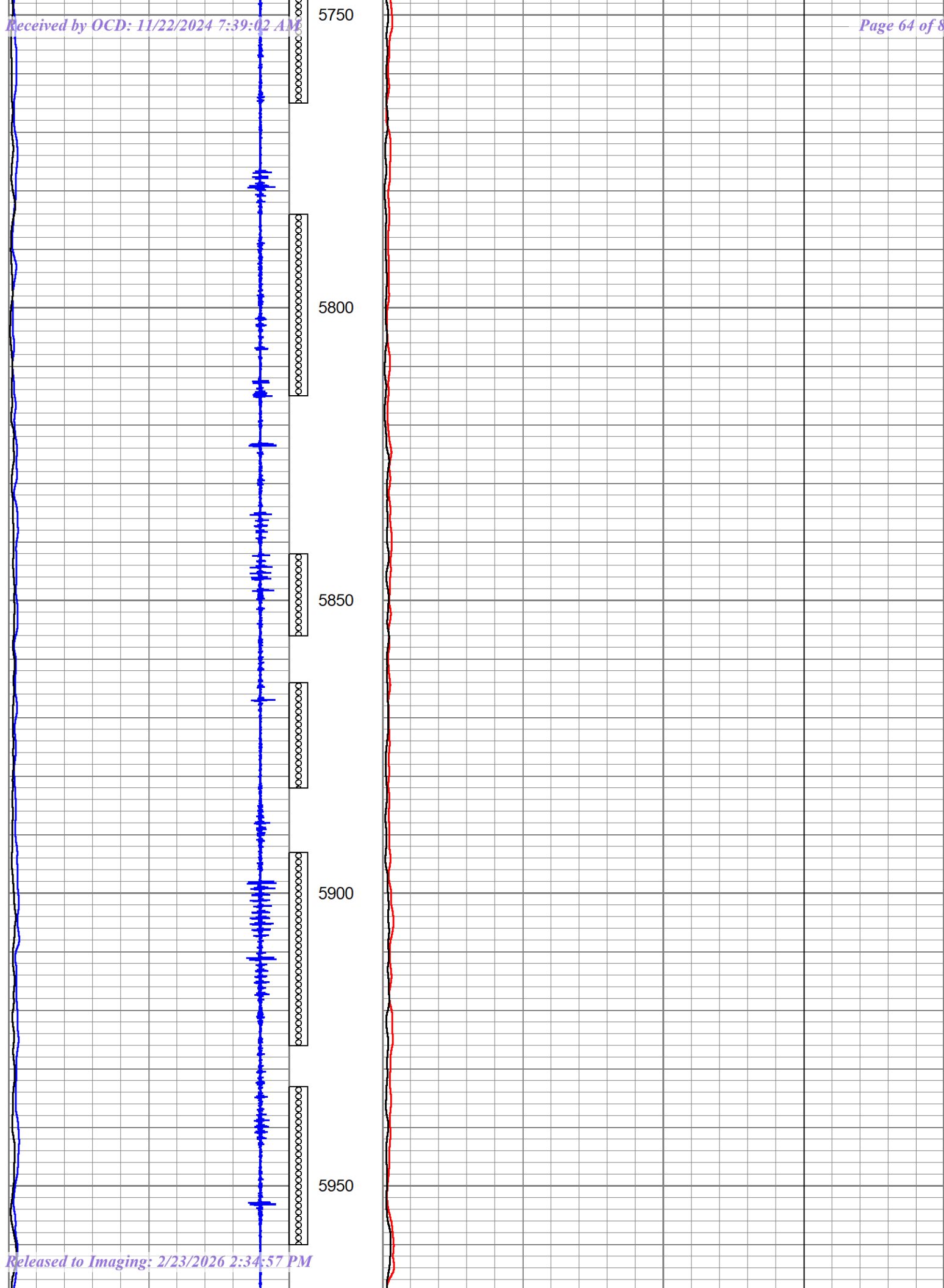
0	DET1 (GAPI)	2500
9	CCL	-1
0	DET1-repeat (GAPI)	2500

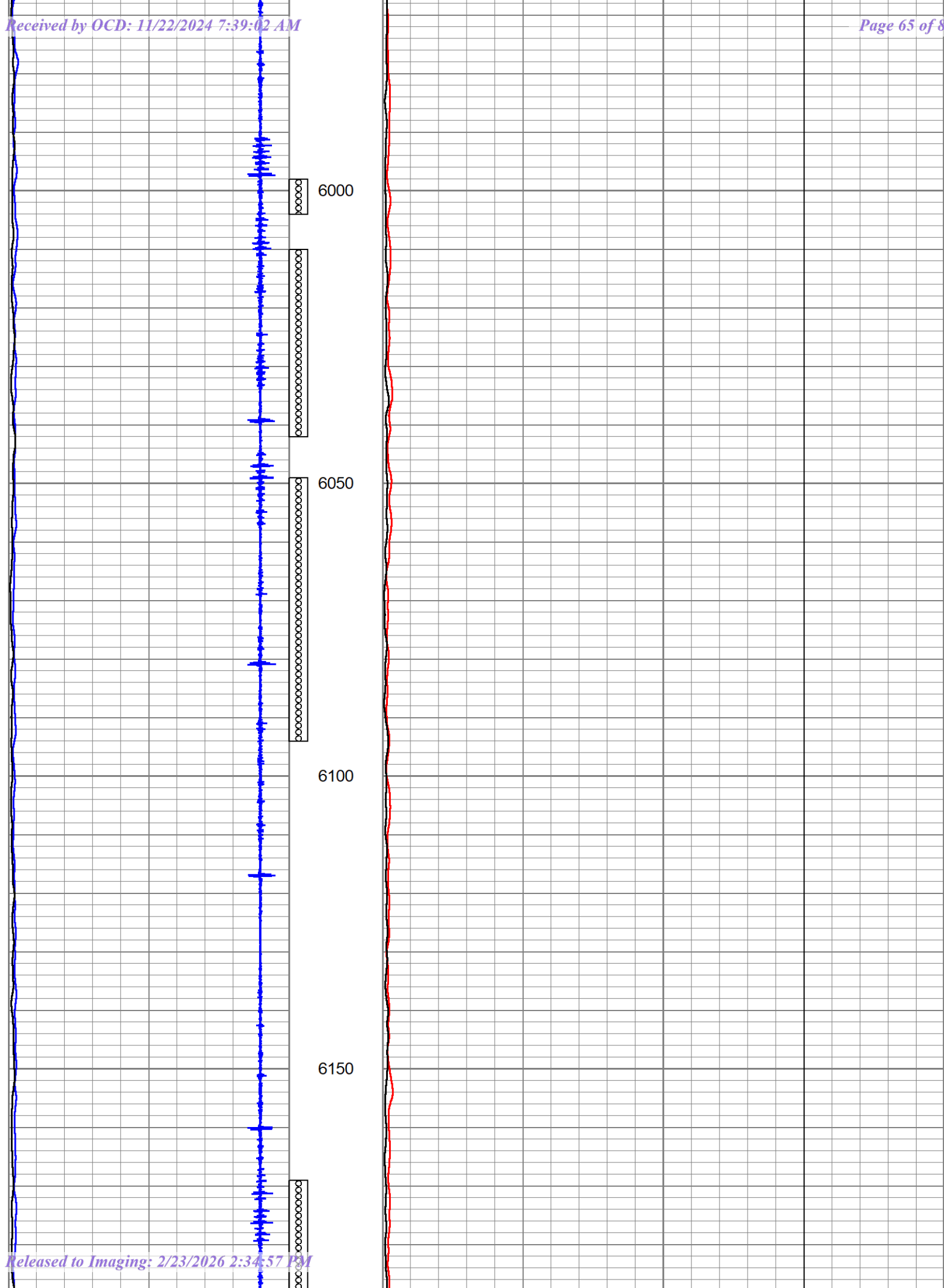
0	DET2 (GAPI)	2500	-0.5	EJECT	0.5
0	DET2-repeat (GAPI)	2500			

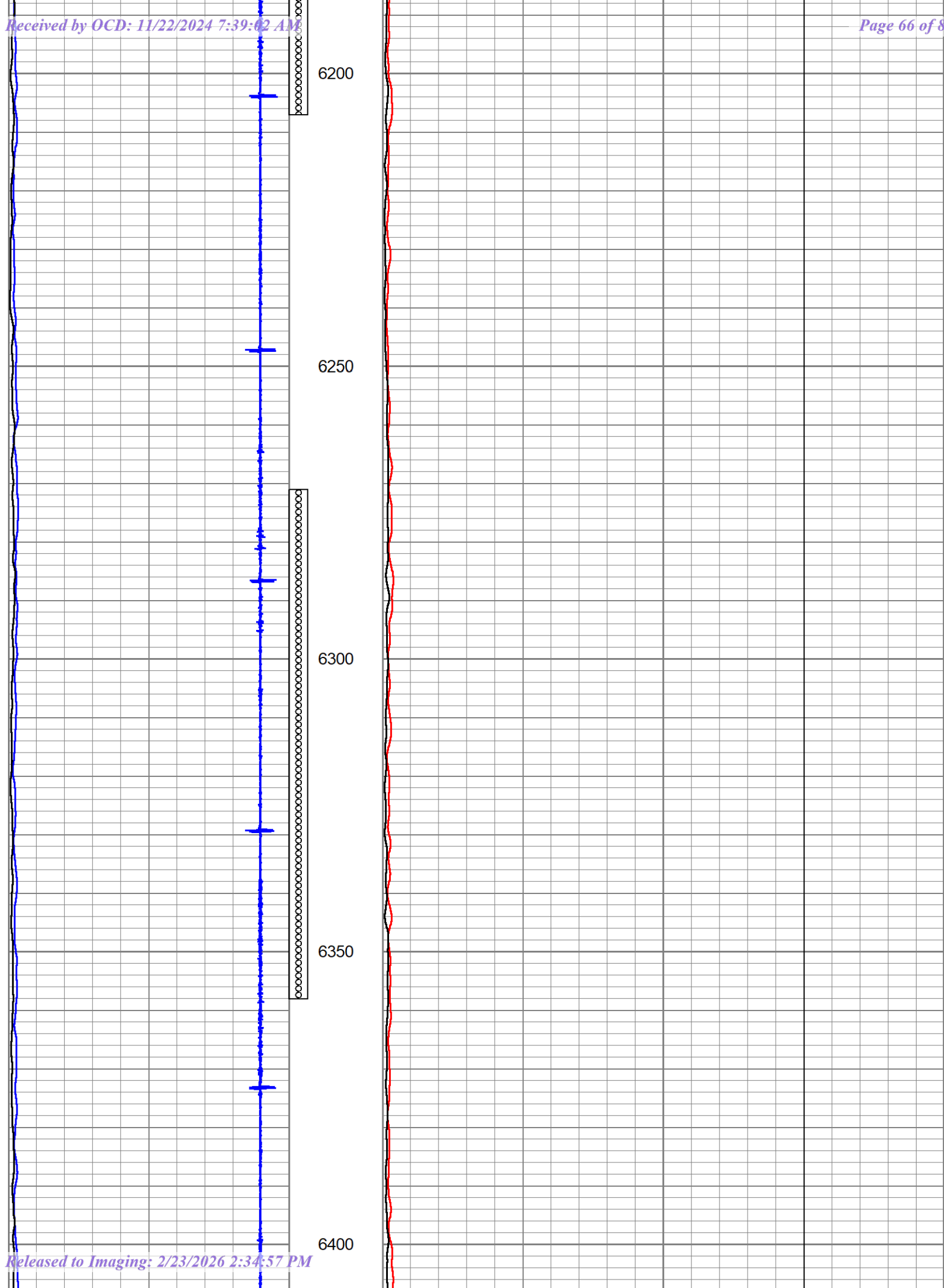


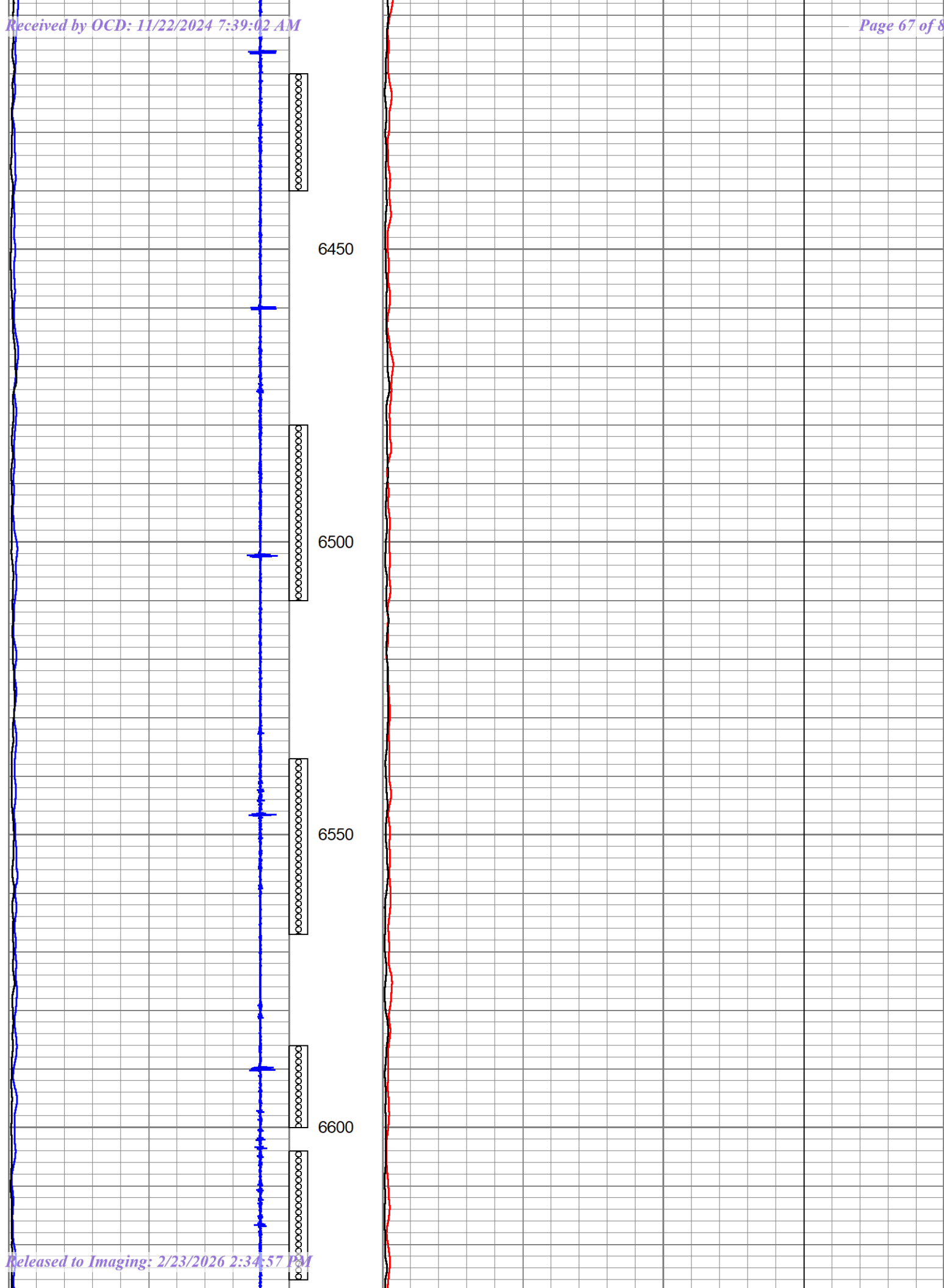


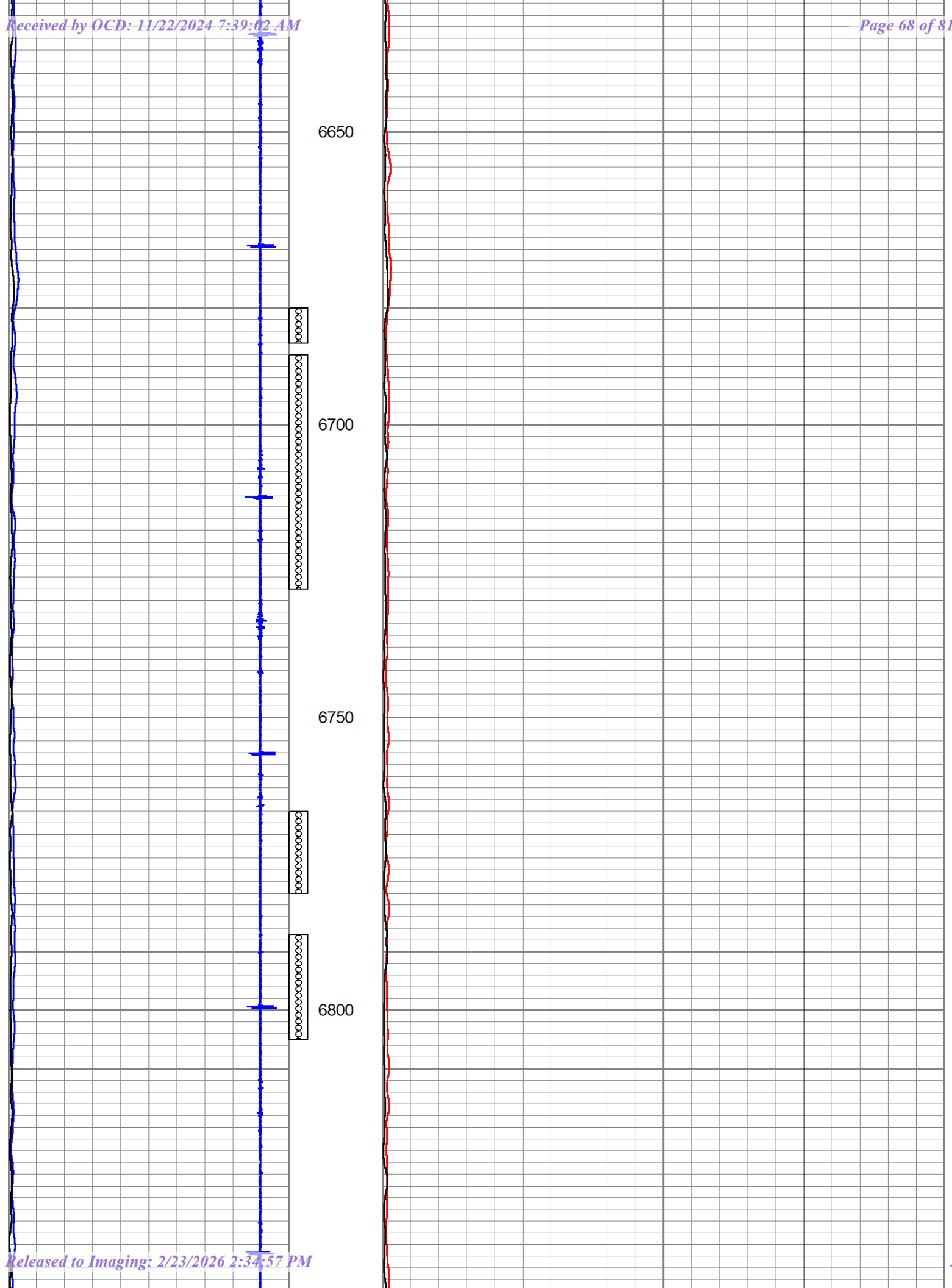












6850

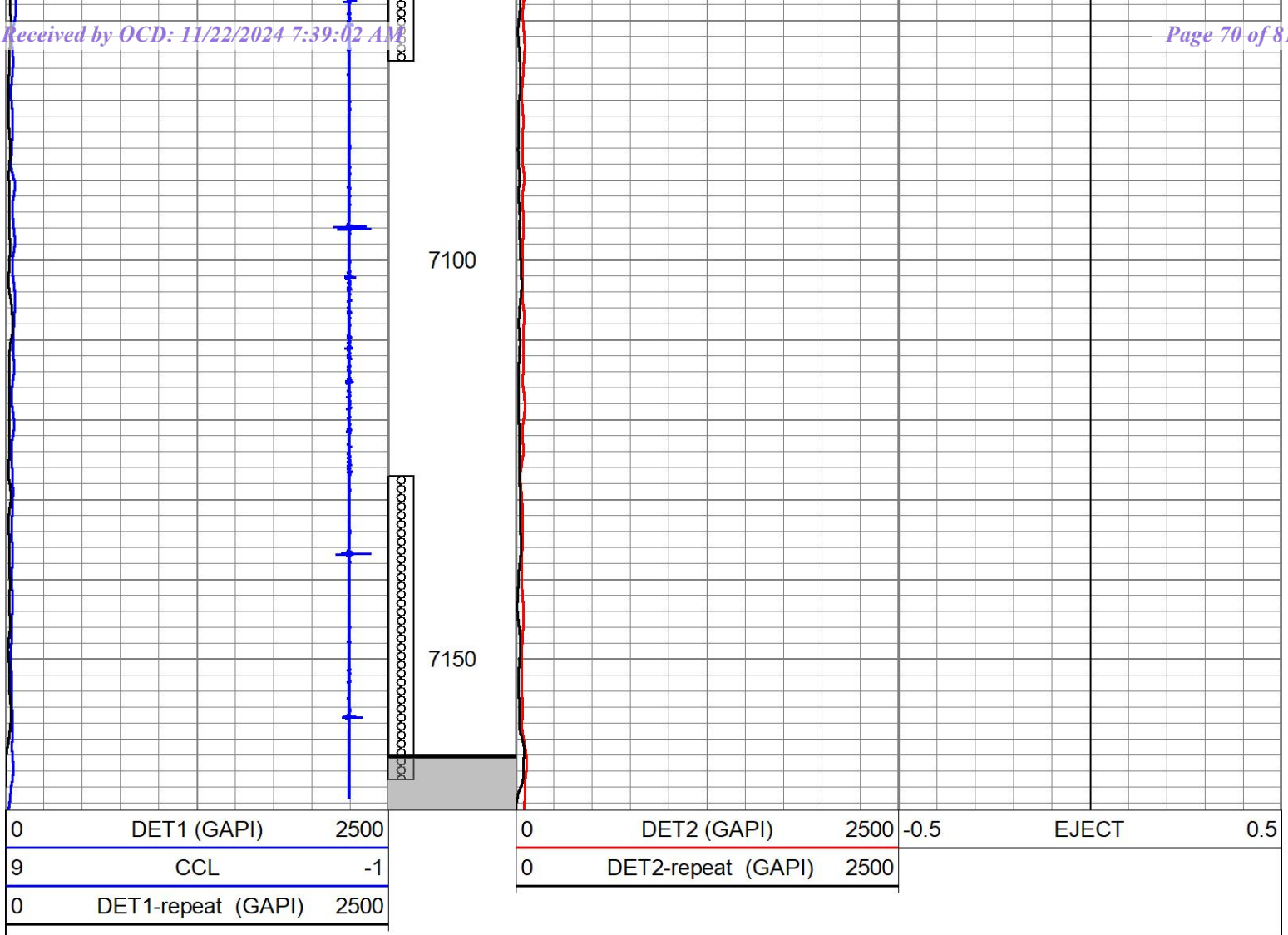
6900

6950

7000

7050





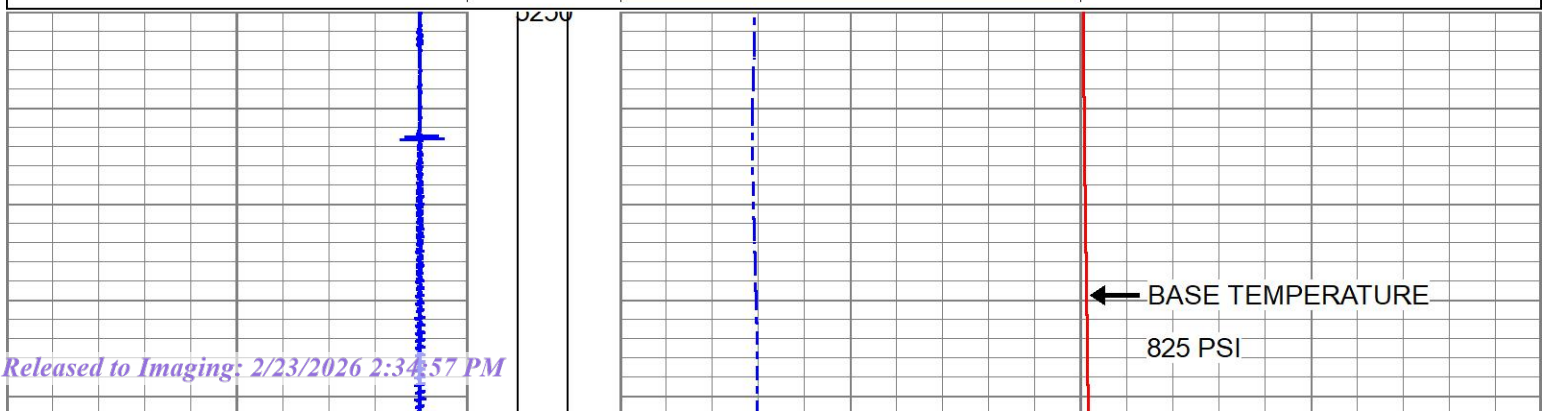
# TRACER INTENSITY & TEMPERATURE

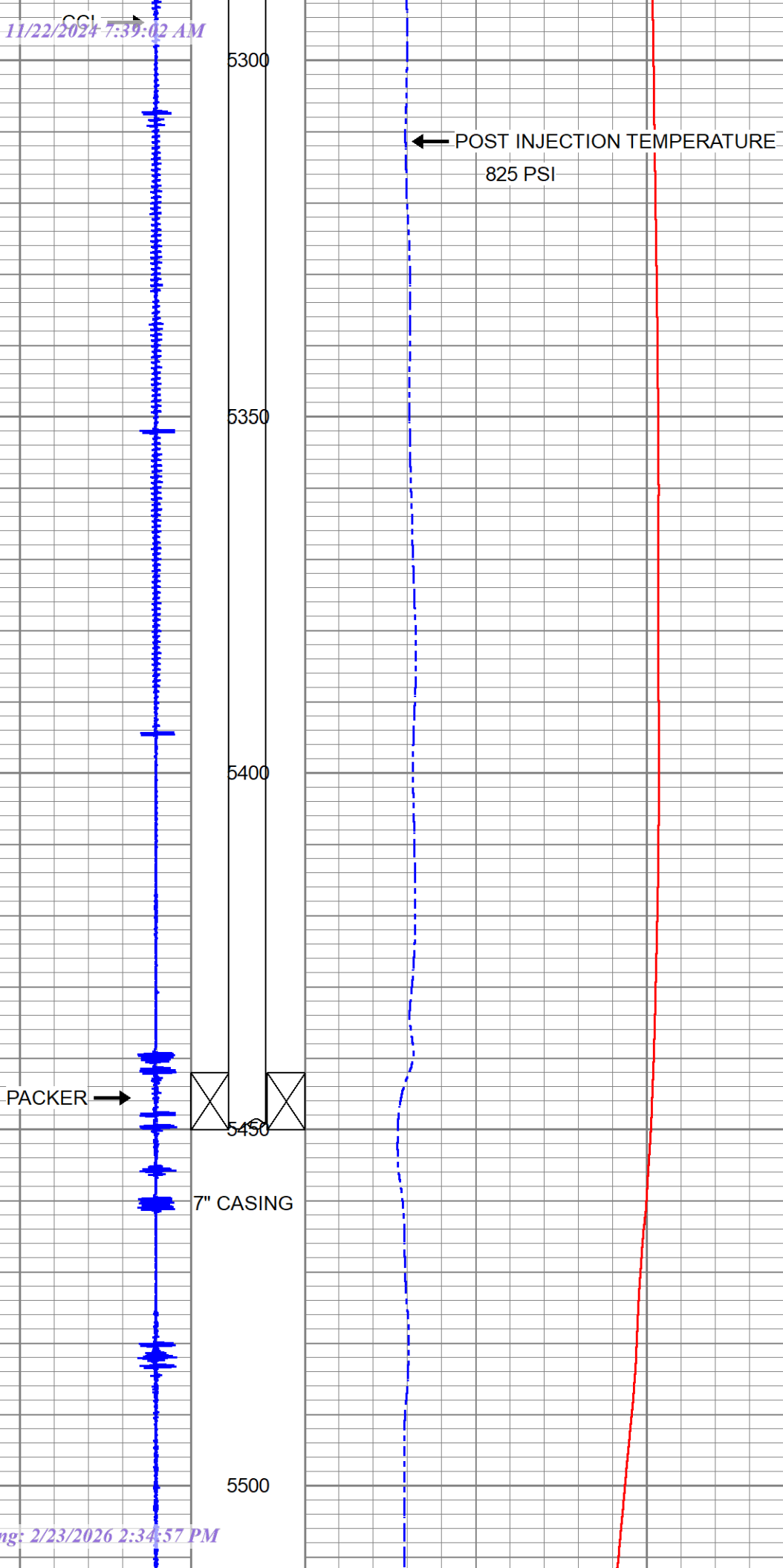
## COMPOSITE

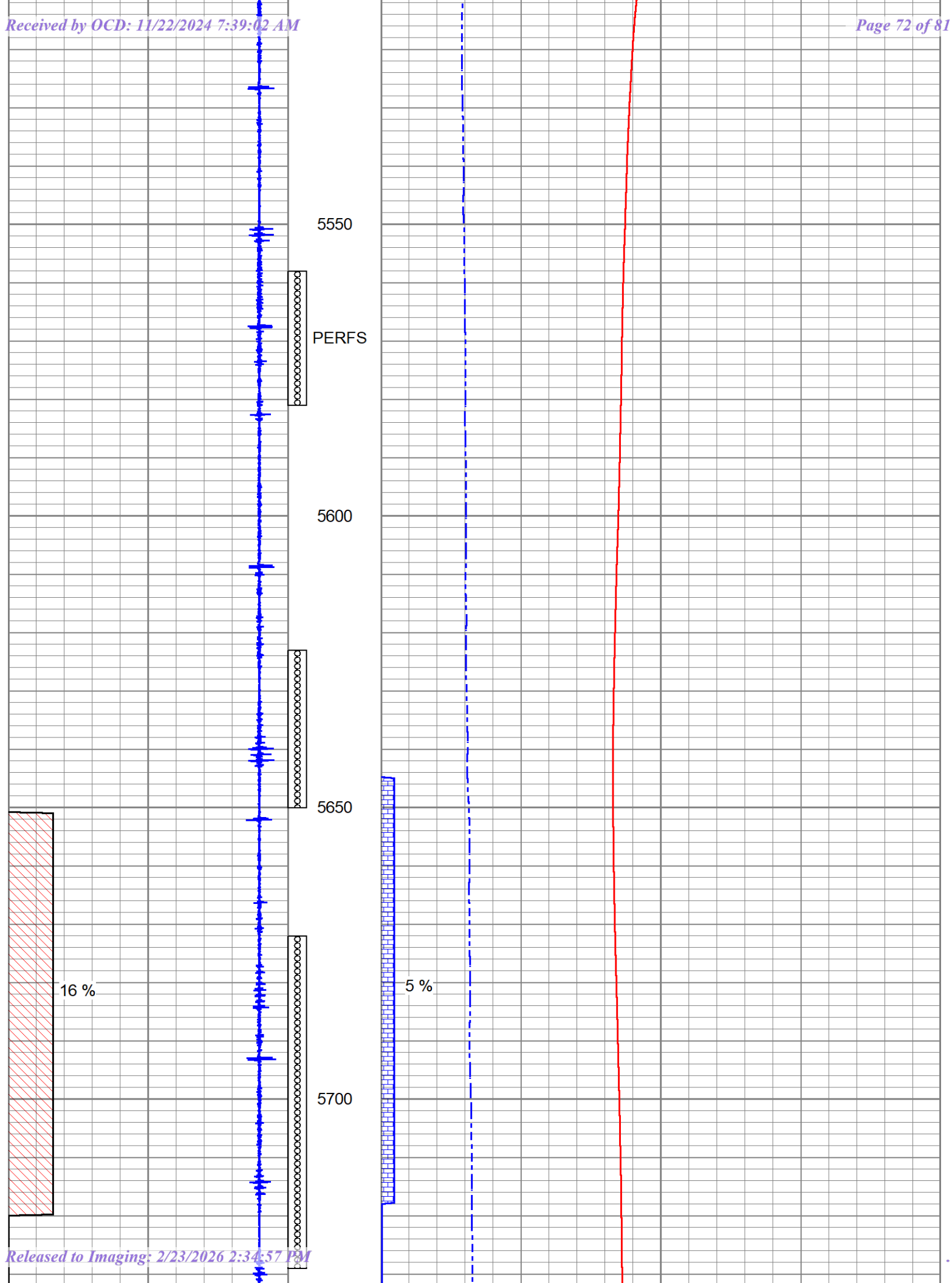
Database File industrial\milestone\_beaza\_rat.db  
 Dataset Pathname SWD1/TRACER2/\_compos2\_  
 Presentation Format trcomp  
 Dataset Creation Sat Oct 26 12:21:14 2024  
 Charted by Depth in Feet scaled 1:240

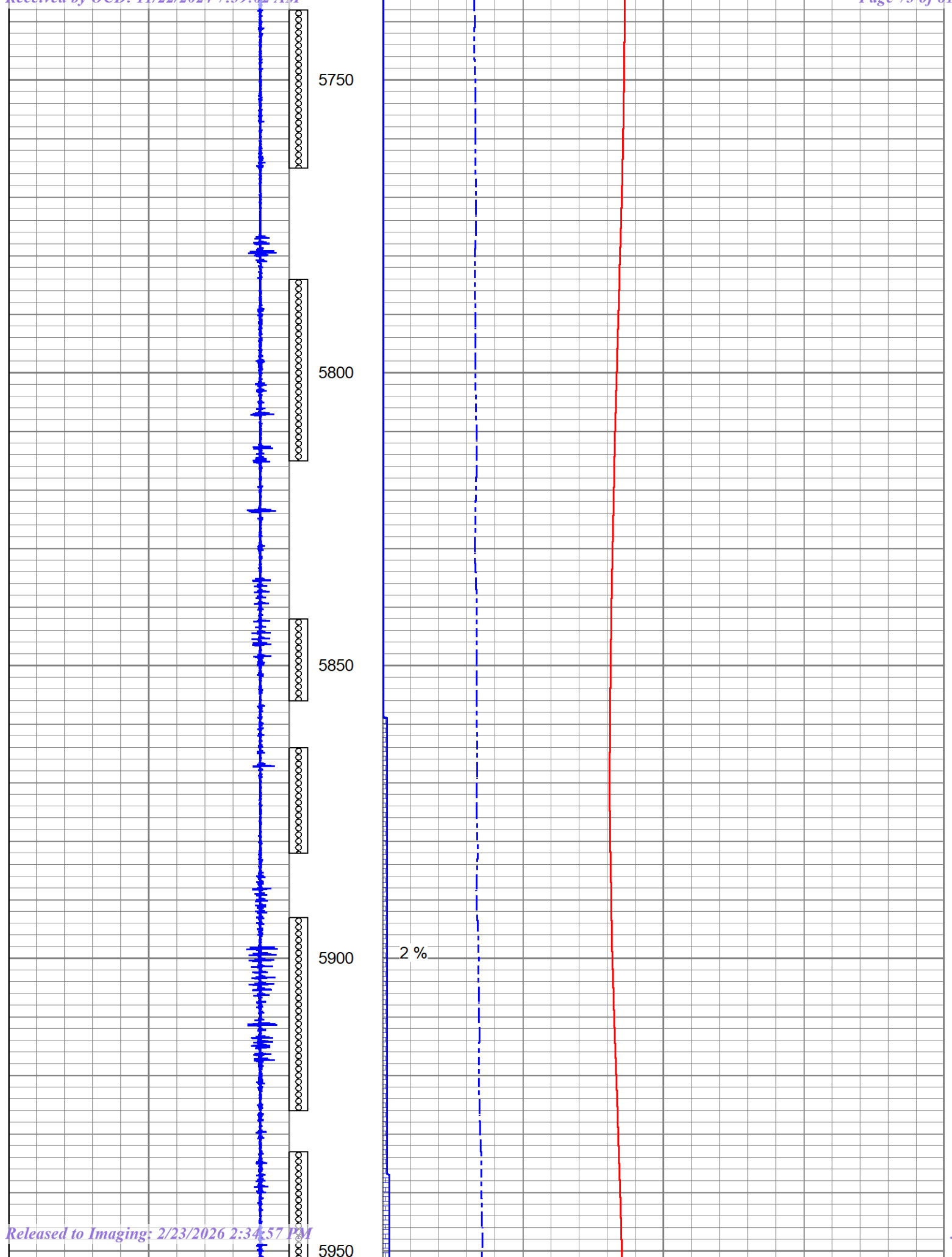
9	CCL	-1
0	VELOCITY LOSS (%)	100
0	TRACER 1 LOSSES (%)	100

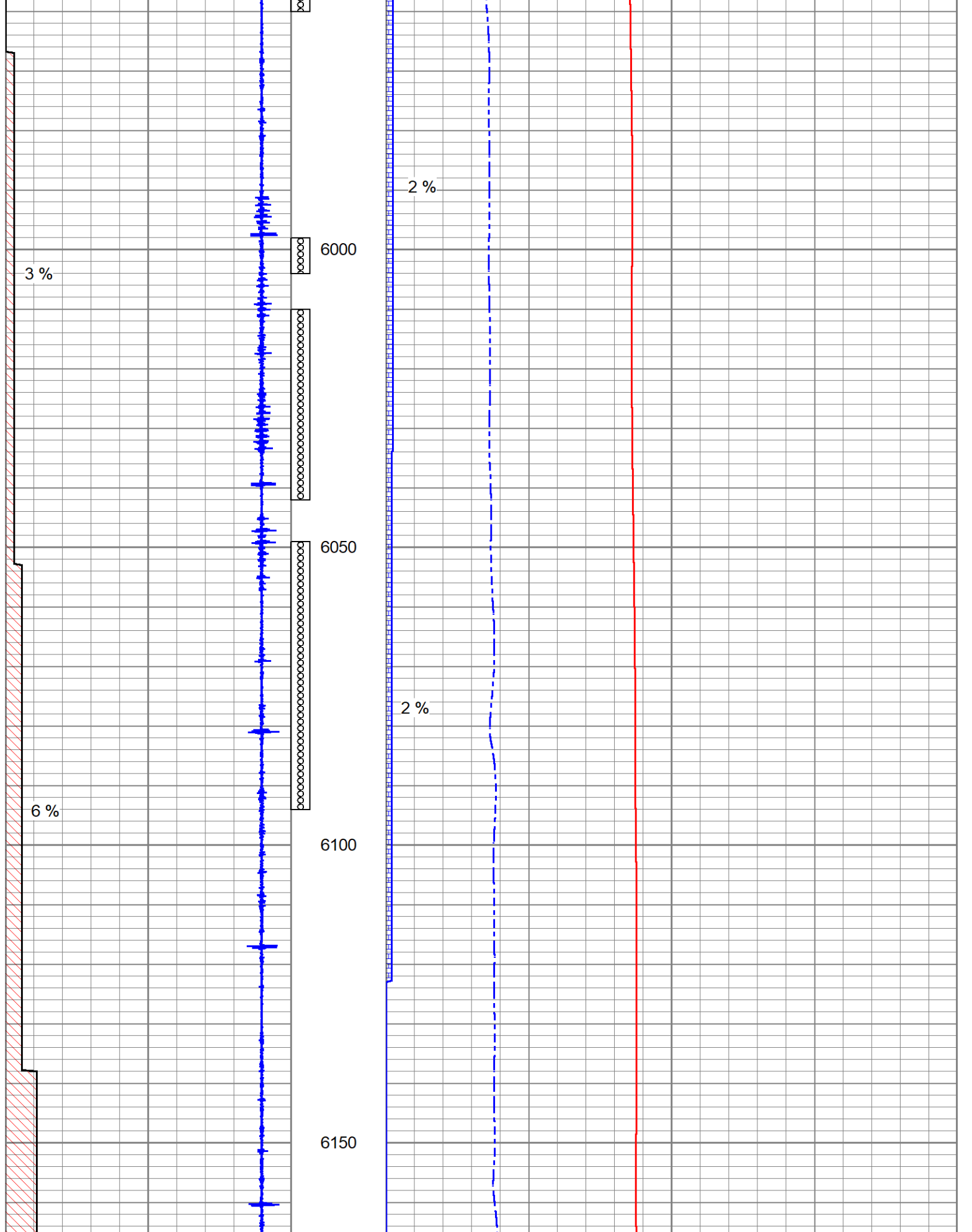
65	BASE TEMPERATURE (degF)	105
65	POST INJECTION TEMPERATURE (degF)	105
0	TRACER 2 LOSSES (%)	100

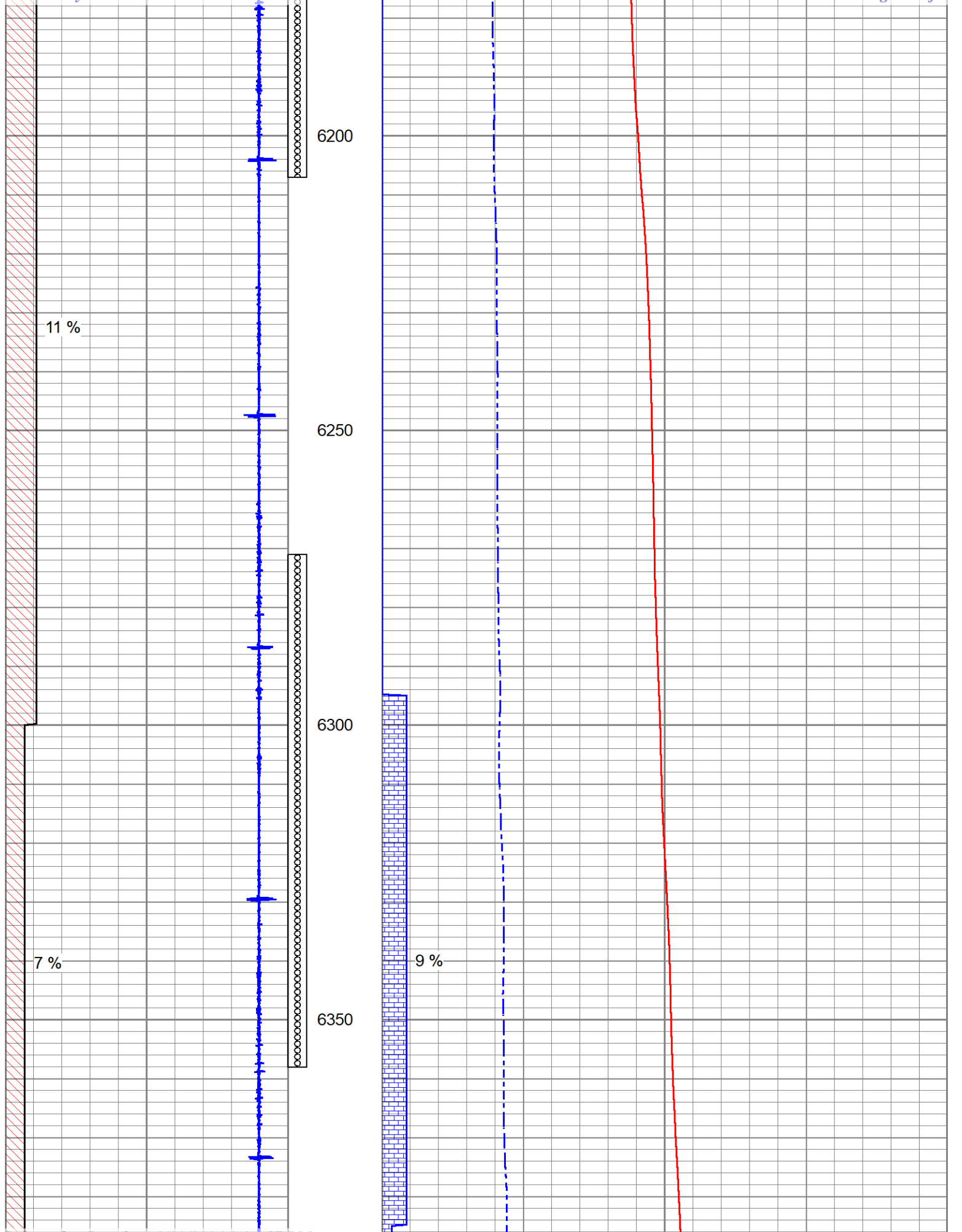


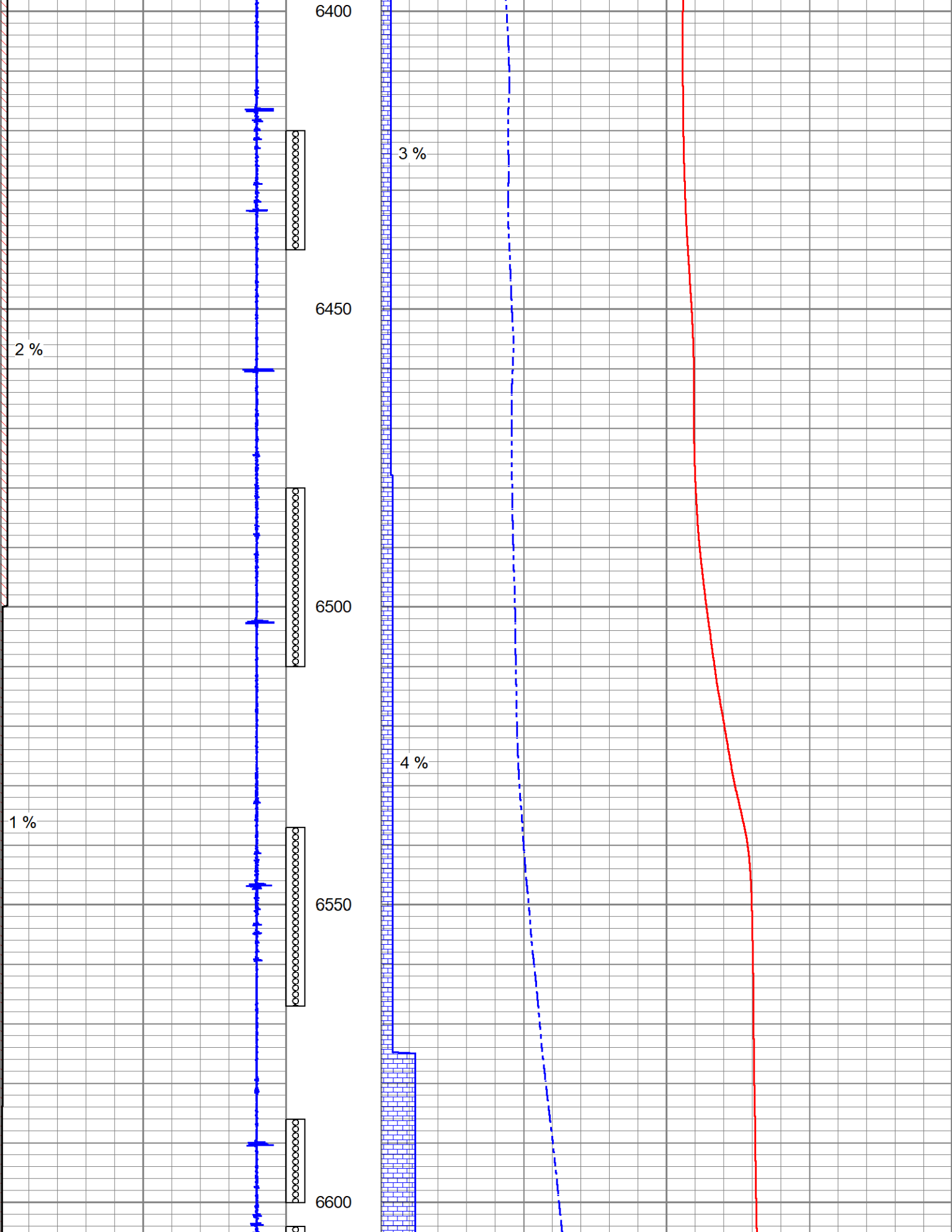


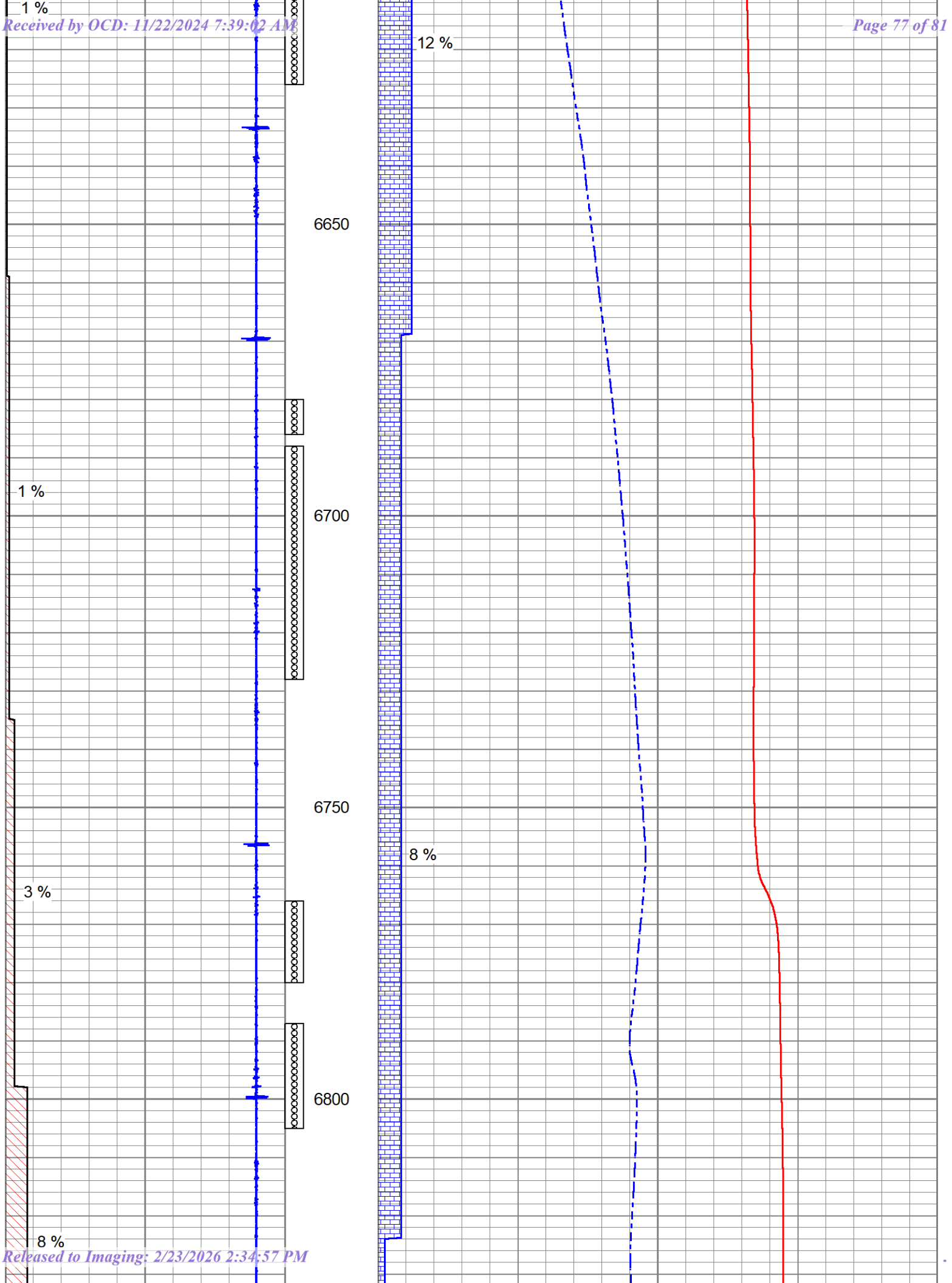


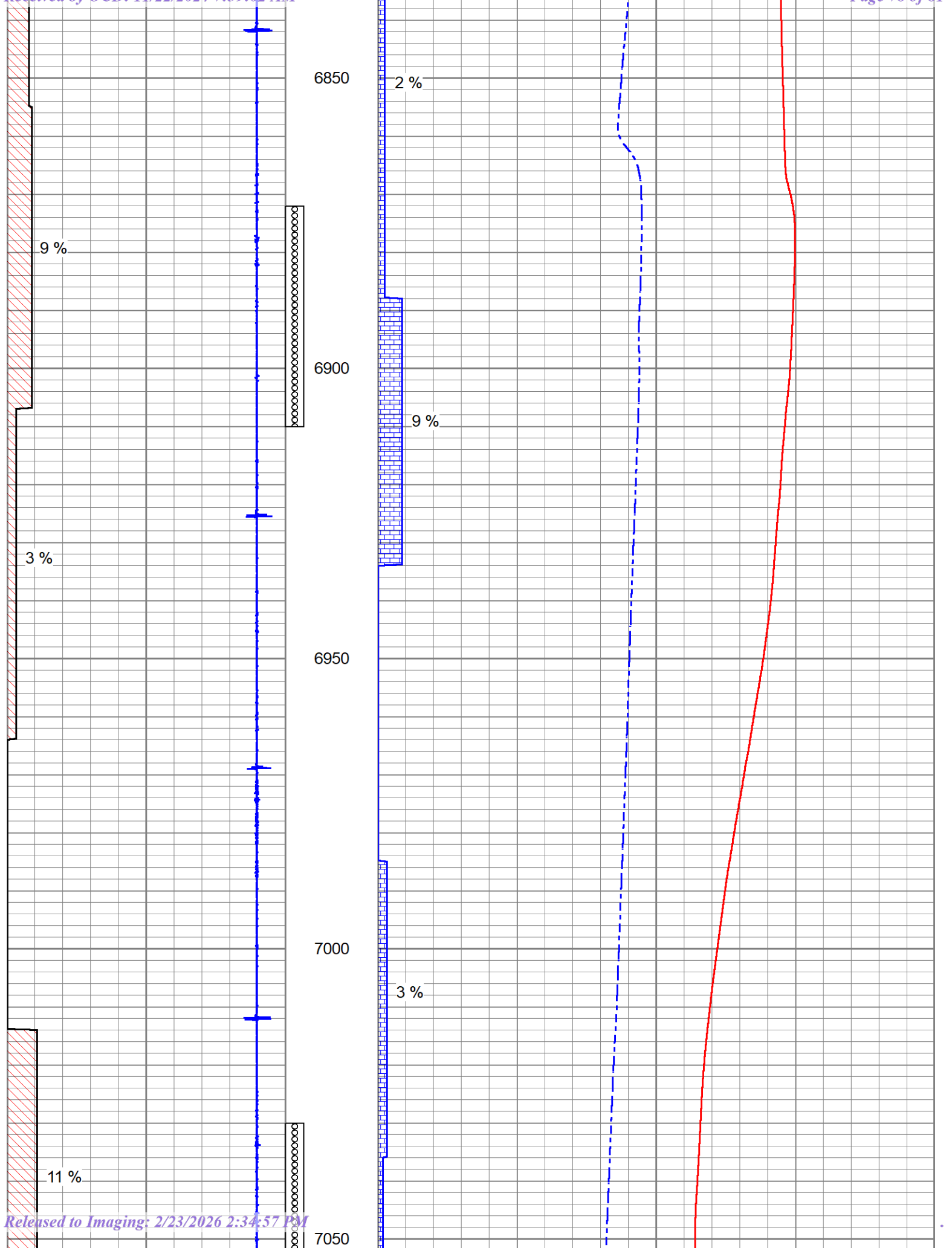


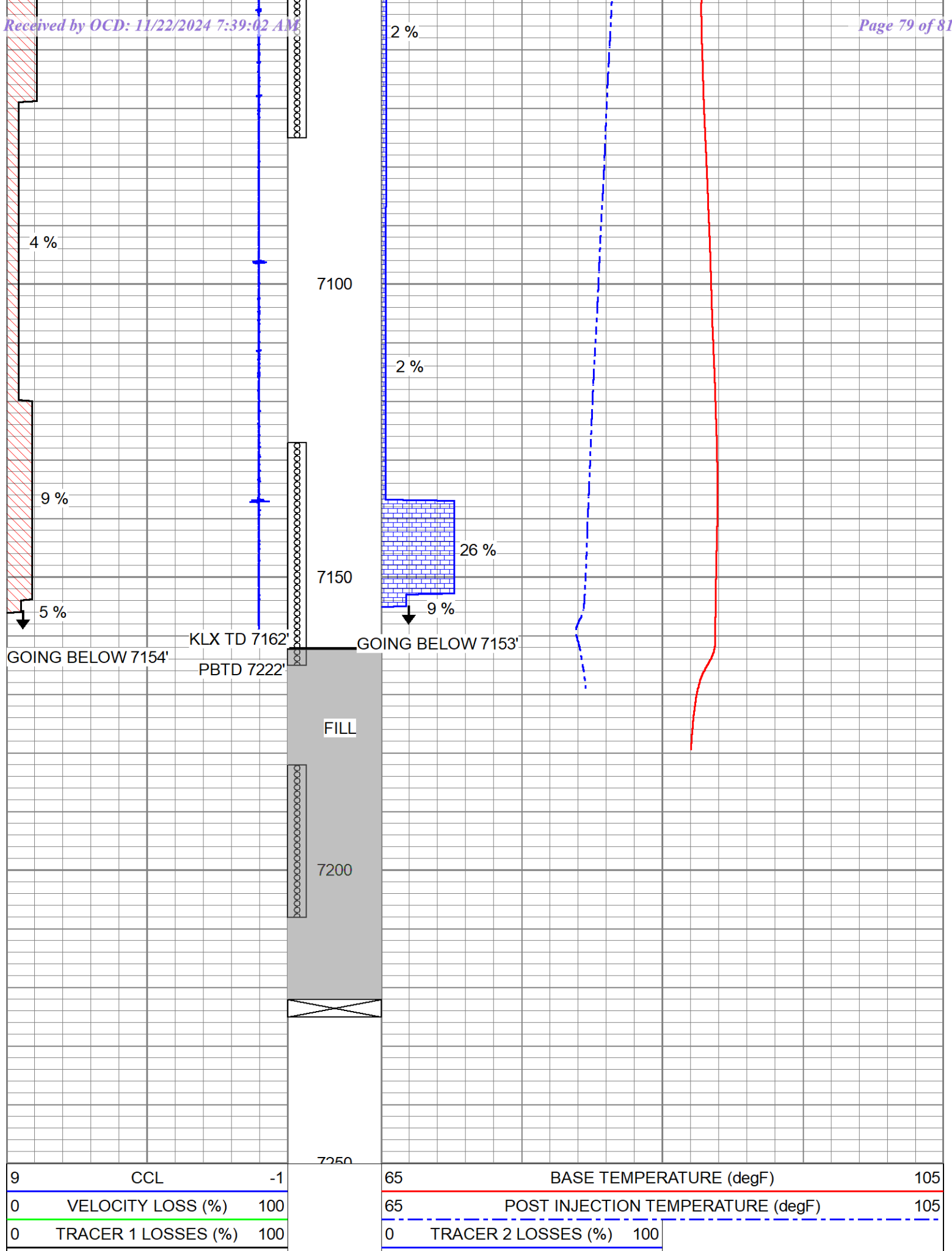












## Test Participants

### Milestone Environmental Services, LLC

Steve Bills..... Director of Operations

### Lonquist Field Service, LLC

William H. George..... Vice President / Principal Engineer

Connor Lofton ..... Field Engineer

### Cudd Energy Services

Cudd Personnel ..... Pump Operators

### KLX

Wireline Personnel ..... Wireline Operators

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oecd/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 405709

**CONDITIONS**

Operator: Milestone Environmental Services, LLC 840 Gessner Road Houston, TX 77024	OGRID: 328435
	Action Number: 405709
	Action Type: [C-103] Sub. General Sundry (C-103Z)

**CONDITIONS**

Created By	Condition	Condition Date
pgoetze	None	2/23/2026