

Well Name: RAMENTA ET AL	Well Location: T27N / R9W / SEC 13 / NWSE / 36.571625 / -107.735367	County or Parish/State: SAN JUAN / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: I149IND8466	Unit or CA Name:	Unit or CA Number:
US Well Number: 300450647100S1	Well Status: Abandoned	Operator: SOUTHLAND ROYALTY COMPANY LLC

Subsequent Report

Sundry ID: 2684632

Type of Submission: Subsequent Report	Type of Action: Plug and Abandonment
Date Sundry Submitted: 07/29/2022	Time Sundry Submitted: 08:33
Date Operation Actually Began: 07/13/2022	

**Actual Procedure:** MorningStar has plugged and abandoned the Ramenta Et Al #1 as of 07/22/2022. Attached are the Final WBD, Daily and Cementing Reports, and CBL.

SR Attachments

Actual Procedure

- RAMENTA\_ET\_AL\_1\_\_CBL\_20220729083057.pdf
- Ramenta\_Et\_Al\_1\_PA\_Daily\_and\_Cementing\_Reports\_20220729083028.pdf
- Ramenta\_Et\_Al\_1\_\_PA\_WBD\_Final\_20220729082951.pdf

Well Name: RAMENTA ET AL	Well Location: T27N / R9W / SEC 13 / NWSE / 36.571625 / -107.735367	County or Parish/State: SAN JUAN / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: I149IND8466	Unit or CA Name:	Unit or CA Number:
US Well Number: 300450647100S1	Well Status: Abandoned	Operator: SOUTHLAND ROYALTY COMPANY LLC

Operator

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

Operator Electronic Signature: CONNIE BLAYLOCK	Signed on: JUL 29, 2022 08:31 AM
Name: SOUTHLAND ROYALTY COMPANY LLC	
Title: Regulatory Technician	
Street Address: 400 W 7th St.	
City: Forth Worth	State: TX
Phone: (817) 334-7882	
Email address: CBLAYLOCK@MSPARTNERS.COM	

Field

Representative Name: Amy Byars		
Street Address:		
City:	State:	Zip:
Phone:		
Email address: abyars@mspartners.com		

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Accepted	Disposition Date: 07/29/2022
Signature: Kenneth Rennick	

# MorningStar Operating, LLC

P&A WBD

Prepared by: J. Marshall  
Updated by: JRyza  
Date: 07/28/2022

KB = 12 ft  
GL = 5,956 ft  
API# 30-045-06471

Spud Date: 02/16/1965  
Well First Delivered: 03/10/1965  
Casing repair: 08/07/1994

Ramenta Et Al #1  
San Juan County, NM

TD – 6,665 ft MD, PBTD – 6629' MD

12 1/4" hole to 345'.  
Surface Csg: 8-5/8" 24# J-55  
Setting Depth: 345 ft kb

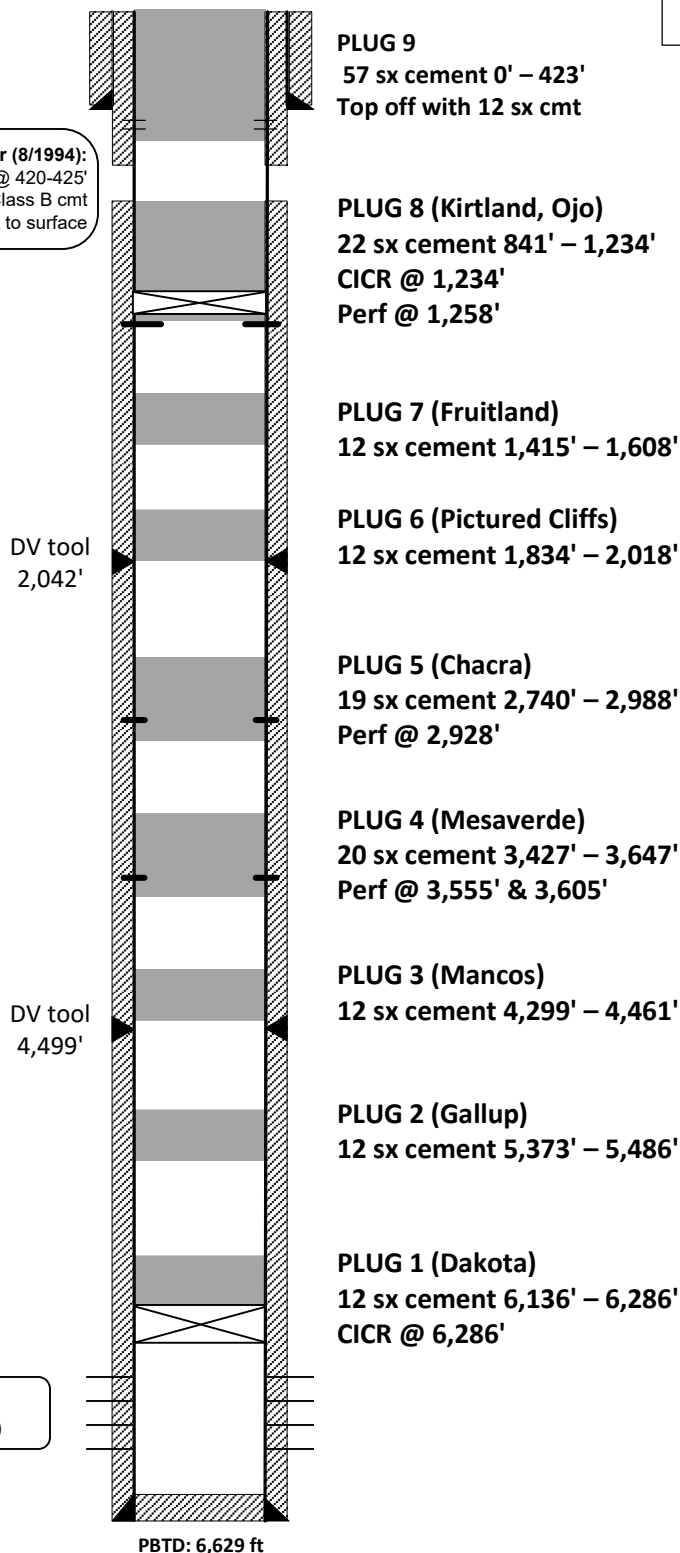
Cement  
250sx cement

Casing Repair (8/1994):  
Casing leak @ 420-425'  
Circulate 209 sx Class B cmt  
Circulated 3 bbbs cmt to surface

7-7/8" hole to 6,665'  
Production Csg: 4-1/2" 10.5# J-55  
Setting Depth: 6,664 ft  
DV tool #1 @ 4499'  
DV tool #2 @ 2042'

Cement  
1<sup>st</sup> Stage: 356 sx cement  
2<sup>nd</sup> Stage: 120sx cement  
3<sup>rd</sup> Stage: 150 sx cement

Perfs 2spf: 6336' - 6348'  
6406' - 6445'  
6472' - 6499'  
6502' - 6509'  
6514' - 6522'  
6534' - 6550'  
6574' - 6589'



Perforations (Dakota):  
6,336 - 6,589' (overall)

Nacimiento: Surface  
Ojo Alamo: 1,038'  
Kirtland: 1,205'  
Fruitland: 1,558'  
Pictured Cliffs: 1,973'  
Charca: 2,880'  
MV: 3,555'  
Mancos: 4,413'  
Gallup: 5,440'  
Dakota: 6,404'

## **Morningstar Operating LLC**

### **Plug And Abandonment End Of Well Report**

#### **Ramenta Et Al #001**

1450' FSL & 1450' FEL, Section 13, T27N, R9W

San Juan County, NM / API 30-045-06471

#### **Work Summary:**

- 7/12/22** Made BLM and NMOCD P&A operations notifications at 9:00 AM MST.
- 7/13/22** MOL and R/U P&A unit. Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. N/D wellhead, N/U BOP and function tested. TOOH with 2-3/8" production tubing. P/U casing scraper and tallied in the wellbore to a depth of 6,468'. TOOH to 4,047'. Secured and shut-in well for the day.
- 7/14/22** Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TOOH with remaining tubing. P/U 4 1/2" CR, TIH and set at 6,286'. R/U cementing services. Attempted to establish injection rate into Dakota perforations but wellbore pressured up to 800# and held pressure. Stung out of CR. Pumped plug #1 from 6,286' to 6,109' to cover the Dakota perforations and formation top. TOOH and WOC 4 hours. R/U wireline services. Ran CBL from top of plug #1 at approximately 6,109' to surface. CBL results were sent to BLM/NMOCD offices for review. Secured and shut-in well for the day.
- 7/15/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and Tagged plug #1 top at 6,136'. Attempted to pressure test production casing but it failed to hold pressure. L/D tubing up to next plug depth. R/U cementing services. Pumped plug #2 from 5,486' to 5,290' to cover the Gallup formation top. TOOH. Secured and shut-in well for the day. WOC over the weekend. Bill Diers was BLM inspector on location.

- 7/18/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged plug #2 top at 5,373'. L/D tubing up to next plug depth. R/U cementing services. Pumped plug #3 from 4,461' to 4,275' to cover the Mancos formation top. TOOH and WOC 4 hours. TIH and tagged plug #3 top at 4,299'. L/D tubing up to next plug interval. TOOH. R/U wireline services. RIH and perforated squeeze holes at 3,605'. P/U 4-1/2" packer, TIH and set at 3,555'. Attempted to establish injection rate into perforations at 3,555'. Wellbore pressured up to 800# and failed to establish injection rate. Released packer and TOOH. Secured and shut-in well for the day. Bill Diers was BLM inspector on location.
- 7/19/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U wireline services. RIH and perforated at 3,555'. R/D wireline services. P/U packer and TIH. Attempted to establish injection rate into perforations at 3,555'. Unable to establish injection rate at 800 PSI. Released packer, TOOH, and L/D packer. TIH to 3,647'. R/U cementing equipment. Pumped 20 sacks of cement from 3,647' to approximately 3,340' to cover the Mesa Verde formation top. TOOH and WOC 4 hours. TIH tagged plug #4 at 3,427'. L/D 18 joints and TOOH. Secured and shut-in for the day. Bill Diers was the BLM inspector on location.
- 7/20/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U wireline services. RIH and perforated squeeze holes at 2,928'. P/U 4 1/2" packer, TIH and set at 2,861'. Attempted to establish injection rate into perforations at 2,928' but was unsuccessful. Un-set packer and TOOH. TIH to 2,988'. R/U cementing services. Pumped plug #5 from 2,988'-2,700' to cover the Chacra formation top. TOOH. WOC 4 hours. TIH and tagged plug #5 top at 2,740'. L/D tubing up to next plug depth. R/U cementing services. Pumped plug #6 from 2,018'-1,834' to cover the Pictured Cliffs formation top. TOOH. WOC overnight. Secured and shut-in well for the day. Bill Diers was BLM inspector on location. BLM inspector and NMOCD inspector Monica Kuehling approved the adjusted plug depths and formation tops to be perforated. Both BLM and NMOCD agreed to spot balanced plugs over the Fruitland, Kirtland and Ojo Alamo formation tops.
- 7/21/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged plug #6 top at 1834'. L/D 7 joints. R/U cementing equipment. Pumped plug #7 from 1608' to approximately 1427' to cover Fruitland formation top. R/D cementing equipment. TOOH. WOC 4 hours. TIH and tagged plug #7 top at 1415'. TOOH. R/U wireline equipment. Perforated at 1258'. TOOH. R/D wireline equipment. P/U 4.5" CR and TIH. Set CR at

1234', attempted to establish injection rate with no success, pressured up to 800#. TOOH with CR. R/U cementing equipment and pumped plug #8 from 1234' to approximately 866' to cover Kirtland and Ojo Alamo formation tops as well as perforations at 1258'. R/D cementing equipment and TOOH to WOC overnight. BLM inspector Bill Diers and NMOCD inspector Monica Kuehling approved perforation and cement retainer setting depths.

**7/22/22** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged plug #8 top at 841'. TOOH. P/U packer, TIH, and set packer at 453'. Successfully pressure tested casing to 800 psi. Released packer and TOOH. TIH to 423'. R/U cementing equipment and pumped cement from 423' to surface. R/D cementing equipment. L/D tbg. R/D floor, N/D BOP, N/U well head. WOC 4 hrs. Cut off wellhead. Cement was at surface in both the 8-5/8" surface casing annulus, and 4-1/2" production casing. Install P&A marker per NMOCD regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates. R/D and MOL. Bill Diers was BLM inspector on location.

#### **Plug Summary:**

##### **Plug #1: (Dakota Perforations and Formation Top 6,286'-6,136', 12 Sacks Type III Cement)**

Mixed 12 sx Type III cement and spotted a balanced plug to cover the Dakota perforations and formation top.

##### **Plug #2: (Gallup Formation Top 5,486'-5,373', 12 Sacks Type III Cement)**

Mixed 12 sx Type III cement and spotted a balanced plug to cover the Gallup formation top.

##### **Plug #3: (Mancos Formation Top 4,461'-4,299', 12 Sacks Type III Cement)**

Mixed 12 sx Type III cement and spotted a balanced plug to cover the Mancos formation top.

##### **Plug #4: (Mesa Verde Formation Top 3,647'-3,427', 20 Sacks Type III Cement)**

R/U wireline services. RIH and perforated squeeze holes at 3,605'. P/U 4-1/2" packer, TIH and set at 3,555'. Attempted to establish injection rate into perforations at 3,555'. Wellbore pressured up to 800# and failed to establish injection rate. Pumped 20 sacks of cement from 3647' to 3427' to cover the Mesa Verde formation top.

**Plug #5: (Chacra Formation Top 2,988'-2,740', 19 Sacks Type III Cement)**

R/U wireline services. RIH and perforated squeeze holes at 2,928'. P/U 4 1/2" packer, TIH and set at 2,861'. Attempted to establish injection rate into perforations at 2,928' but was unsuccessful. Un-set packer and TOOH. TIH to 2,988'. R/U cementing services. Pumped plug #5 from 2,988'-2,740' to cover the Chacra formation top.

**Plug #6: (Pictured Cliffs Formation Top 2,018'-1,834', 12 Sacks Type III Cement)**

Mixed 12 sx Type III cement and spotted a balanced plug to cover the Pictured Cliffs formation top.

**Plug #7: (Fruitland Formation Top 1,608'-1,415', 12 Sacks Type III Cement)**

Mixed 12 sx Type III cement and spotted a balanced plug to cover the Fruitland formation top.

**Plug #8: (Kirtland and Ojo Alamo Formation Tops 1234'-841', 22 Sacks Type III Cement)**

R/U wireline equipment, perforated at 1258', TOOH and R/D wireline equipment. P/U 4.5" CR and TIH. Set CR at 1234', attempted to establish injection rate with no success, pressured up to 800#. TOOH with CR. R/U cementing equipment and pumped plug #8 from 1234' to 841' to cover Kirtland and Ojo Alamo formation tops as well as perforations at 1258'.

**Plug #9: (Surface Casing Shoe 423'-Surface, 57 Sacks Type III Cement, 12 Sacks for top-off)**

P/U Packer, TIH, and set packer at 453'. Successfully pressure tested casing to 800#. Released packer and TOOH. TIH to 423'. R/U cementing equipment and pumped cement from 423' to surface. R/D cementing equipment. L/D tbgs. R/D floor, N/D BOP, N/U well head. WOC 4 hrs. Cut off wellhead. Cement was at surface in both the 8-5/8" surface casing annulus, and 4-1/2" production casing. Install P&A marker per NMOCD regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates.



## P &amp; A Daily Report

**Drake**

WELL SERVICE INC.



PO Box 538 Farmington, NM 87499 505.327.7301

Company: Morningstar Operating

Well Name: Ramenta Et Al #001

API #: 30-045-06471

Date: 7/13/2022

**WORK SUMMARY**

MOL and R/U P&A rig. Checked well pressures(see pressures below). Bled down well. N/D wellhead, N/U BOP and function tested. Un-seat tubing hangar. TOOH with 2-3/8" production tubing. P/U casing scraper and tallied in the wellbore to a depth of 6,468'. TOOH to 4,047'. Secured and shut-in well for the day.

**PLUG SUMMARY**

<u>Plug No</u>	<u>Plug Depth</u>	<u>Sacks of Cement Used</u>
Plug 1	To	
Plug 2	To	
Plug 3	To	
Plug 4	To	
Plug 5	To	
Plug 6	To	
Plug 7	To	

**BRIDGE PLUG/CEMENT RETAINER SUMMARY**Depth Set

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**WELL PRESSURES**

Tubing 0 psi

Casing 0 psi

Bradenhead 0 psi



## P &amp; A Daily Report

**Drake**

WELL SERVICE INC.



PO Box 538 Farmington, NM 87499 505.327.7301

Company: Morningstar Operating

Well Name: Ramenta Et Al #001

API #: 30-045-06471

Date: 7/14/2022

**WORK SUMMARY**

Checked well pressures(see pressures below). Bled down well. TOOH with remaining tubing. P/U 4 ½" CR, TIH and set at 6,286'. R/U cementing services. Attempted to establish injection rate into Dakota perforations but wellbore pressured up to 800 psi and held pressure. Stung out of CR. Pumped plug #1 from 6,286'-6,109' to cover the Dakota perforations and formation top. TOOH. WOC 4 hours. R/U wireline services. Ran CBL from top of plug #1 at approximately 6,109' to surface. CBL results were sent to BLM/NMOCD offices for review. Secured and shut-in well for the day.

**PLUG SUMMARY**

<u>Plug No</u>	<u>Plug Depth</u>	<u>Sacks of Cement Used</u>
Plug 1 6,286' To 6,109'		12 sx Type III
Plug 2	To	
Plug 3	To	
Plug 4	To	
Plug 5	To	
Plug 6	To	
Plug 7	To	

**BRIDGE PLUG/CEMENT RETAINER SUMMARY**

<u>Depth Set</u>
6,286'

**WELL PRESSURES**

Tubing	0 psi
Casing	0 psi
Bradenhead	0 psi

## P &amp; A Daily Report

**Drake**

WELL SERVICE INC.



PO Box 538 Farmington, NM 87499 505.327.7301

Company: Morningstar Operating

Well Name: Ramenta Et Al #001

API #: 30-045-06471

Date: 7/15/2022

**WORK SUMMARY**

Checked well pressures(see pressures below). Bled down well. TIH and tagged plug #1 top at 6,136'. Attempted to pressure test production casing but it failed to hold pressure. L/D tubing up to next plug depth. Waited on water truck. R/U cementing services. Pumped plug #2 from 5,486'-5,290' to cover the Gallup formation top. TOOH. WOC over the weekend. Secured and shut-in well for the day. Bill Diers was BLM inspector on location.

**PLUG SUMMARY**

Plug No	Plug Depth	Sacks of Cement Used
Plug 1 6,286' To 6,136'	12 sx Type III	
Plug 2 5,486' To 5,290'	12 sx Type III	
Plug 3 To		
Plug 4 To		
Plug 5 To		
Plug 6 To		
Plug 7 To		

**BRIDGE PLUG/CEMENT RETAINER SUMMARY**Depth Set

6,286'

**WELL PRESSURES**

Tubing 0 psi

Casing 0 psi

Bradenhead 0 psi

**Drake****WELL SERVICE INC.**

PO Box 538 Farmington, NM 87499 505.327.7301

**P & A Daily Report**

Company: Morningstar Operating

Well Name: Ramenta Et Al #001

API #: 30-045-06471

Date: 7/18/2022

**WORK SUMMARY**

Checked well pressures(see pressures below). Bled down well. TIH and tagged plug #2 top at 5,373'. L/D tubing up to next plug depth. R/U cementing services. Pumped plug #2 from 4,461'-4,275' to cover the Mancos formation top. TOO. WOC 4 hours. TIH and tagged plug #3 top at 4,299'. L/D tubing up to next plug interval. TOO. R/U wireline services. RIH and perforated squeeze holes at 3,605'. P/U 4 1/2" packer, TIH and set at 3,555'. Attempted to establish injection rate into perforations at 3,555' but wellbore pressured up to 800 psi and failed to establish injection rate. Released packer and TOO. Secured and shut-in well for the day. Bill Diers was BLM inspector on location.

**PLUG SUMMARY**

<u>Plug No</u>	<u>Plug Depth</u>	<u>Sacks of Cement Used</u>
Plug 1 6,286'	To 6,136'	12 sx Type III
Plug 2 5,486'	To 5,373'	12 sx Type III
Plug 3 4,461'	To 4,299'	12 sx Type III
Plug 4	To	
Plug 5	To	
Plug 6	To	
Plug 7	To	

**BRIDGE PLUG/CEMENT RETAINER SUMMARY**

<u>Depth Set</u>
6,286'

**WELL PRESSURES**

Tubing	0 psi
Casing	0 psi
Bradenhead	0 psi

## P &amp; A Daily Report



PO Box 538 Farmington, NM 87499 505.327.7301

Company:	Morningstar Operating
Well Name:	Ramenta Et Al #001
API #:	30-045-06471
Date:	7/19/2022

**WORK SUMMARY**

Checked well pressures (see pressures below). Bled down well. R/U wireline services, and perforated at 3555'. R/D wireline services. P/U packer and TIH. Attempted to establish injection rate into perforations at 3555'. Unable to establish injection rate at 800 PSI. Released packer, TOOH, and L/D packer. TIH to 3647', and R/U cementing equipment. Pumped 20 sacks of cement from 3647' to approximately 3340' to cover the Mesa Verde formation top. TOOH to WOC on cement for 4 hours. TIH tagged TOC at 3427'. TOOH and L/D 18 joints. Secured and shut-in for the day. Bill Diers was the BLM inspector on location.

**PLUG SUMMARY**

Plug No	Plug Depth	Sacks of Cement Used
Plug 1 6,286'	To 6,136'	12 sx Type III
Plug 2 5,486'	To 5,373'	12 sx Type III
Plug 3 4,461'	To 4,299'	12 sx Type III
Plug 4 3647'	To 3427'	20 sx Type III
Plug 5	To	
Plug 6	To	
Plug 7	To	

**BRIDGE PLUG/CEMENT RETAINER SUMMARY**

Depth Set
6,286'

**WELL PRESSURES**

Tubing	0 psi
Casing	0 psi
Bradenhead	0 psi

**Drake****WELL SERVICE INC.**

PO Box 538 Farmington, NM 87499 505.327.7301

**P & A Daily Report**

Company: Morningstar Operating

Well Name: Ramenta Et Al #001

API #: 30-045-06471

Date: 7/20/2022

**WORK SUMMARY**

Checked well pressures (see pressures below). Bled down well. R/U wireline services. RIH and perforated squeeze holes at 2,928'. P/U 4 ½" packer, TIH and set at 2,861'. Attempted to establish injection rate into perforations at 2,928' but was unsuccessful. Un-set packer and TOOH. TIH to 2,988'. R/U cementing services. Pumped plug #5 from 2,988'-2,700' to cover the Chacra formation top. TOOH. WOC 4 hours. TIH and tagged plug #4 top at 2,740'. L/D tubing up to next plug depth. R/U cementing services. Pumped plug #6 from 2,018'-1,834' to cover the Pictured Cliffs formation top. TOOH. WOC overnight. Secured and shut-in well for the day. Bill Diers was BLM inspector on location. BLM inspector and NMOCD inspector Monica Kuehling approved the adjusted plug depths and formation tops to be perforated. Both BLM and NMOCD agreed to spot balanced plugs over the Fruitland, Kirtland and Ojo Alamo formation tops.

**PLUG SUMMARY**

<u>Plug No</u>	<u>Plug Depth</u>	<u>Sacks of Cement Used</u>
Plug 1 6,286'	To 6,136'	12 sx Type III
Plug 2 5,486'	To 5,373'	12 sx Type III
Plug 3 4,461'	To 4,299'	12 sx Type III
Plug 4 3647'	To 3427'	20 sx Type III
Plug 5 2,988'	To 2,740'	19 sx Type III
Plug 6 2,018'	To 1,834'	12 sx Type III
Plug 7	To	

**BRIDGE PLUG/CEMENT RETAINER SUMMARY**

<u>Depth Set</u>
6,286'

**WELL PRESSURES**

Tubing	0 psi
Casing	0 psi
Bradenhead	0 psi

## P &amp; A Daily Report

**Drake****WELL SERVICE INC.**

PO Box 538 Farmington, NM 87499 505.327.7301

Company: Morningstar Operating

Well Name: Ramenta Et Al #001

API #: 30-045-06471

Date: 7/21/2022

**WORK SUMMARY**

Checked well pressures (see pressures below). Bled down well. TIH and tagged plug #6 top at 1834'. L/D 7 joints and R/U cementing equipment. Pumped plug #7 from 1608' to approximately 1427' to cover Fruitland formation top. R/D cementing equipment and TOO H to WOC for 4 hours. TIH and tagged plug #7 top at 1415', and TOO H. R/U wireline equipment, perforated at 1258', TOO H and R/D wireline equipment. P/U 4.5" CR and TIH. Set CR at 1234', attempted to establish injection rate with no success, pressured up to 800#. TOO H with CR. R/U cementing equipment and pumped plug #8 from 1234' to approximately 866' to cover Kirtland and Ojo Alamo formation tops as well as perforations at 1258'. R/D cementing equipment and TOO H to WOC overnight. BLM inspector Bill Diers and NMOCD inspector Monica Kuehling approved perforation and cement retainer setting depths.

**PLUG SUMMARY**

<u>Plug No</u>	<u>Plug Depth</u>	<u>Sacks of Cement Used</u>
Plug 1 6,286'	To 6,136'	12 sx Type III
Plug 2 5,486'	To 5,373'	12 sx Type III
Plug 3 4,461'	To 4,299'	12 sx Type III
Plug 4 3647'	To 3427'	20 sx Type III
Plug 5 2,988'	To 2,740'	19 sx Type III
Plug 6 2,018'	To 1,834'	12 sx Type III
Plug 7 1,608'	To 1,415'	12 sx Type III
Plug 8 1234'	To 866'	22 sx Type III

**BRIDGE PLUG/CEMENT RETAINER SUMMARY**

<u>Depth Set</u>
6,286'

**WELL PRESSURES**

Tubing	0 psi
Casing	0 psi
Bradenhead	0 psi

## P &amp; A Daily Report

**Drake**

WELL SERVICE INC.



PO Box 538 Farmington, NM 87499 505.327.7301

Company: Morningstar Operating

Well Name: Ramenta Et Al #001

API #: 30-045-06471

Date: 7/22/2022

**WORK SUMMARY**

Checked well pressures (see pressures below). Bled down well. TIH and tagged plug #8 top at 841'. TOOH. P/U Packer, TIH, and set packer at 453'. Successfully pressure tested casing to 800#. Released packer and TOOH. TIH to 423'. R/U cementing equipment and pumped cement from 423' to surface. R/D cementing equipment. L/D tbg. R/D floor, N/D BOP, N/U well head. WOC 4 hrs. Cut off wellhead. Cement was at surface in both the 8-5/8" surface casing annulus, and 4-1/2" production casing. Install P&A marker per NMOCD regulations. Photographed the P&A marker in place and recorded its location via GPS coordinates. R/D and MOL. Bill Diers was BLM inspector on location.

**PLUG SUMMARY**

<u>Plug No</u>		<u>Plug Depth</u>	<u>Sacks of Cement Used</u>
Plug 1	6,286'	To 6,136'	12 sx Type III
Plug 2	5,486'	To 5,373'	12 sx Type III
Plug 3	4,461'	To 4,299'	12 sx Type III
Plug 4	3647'	To 3427'	20 sx Type III
Plug 5	2,988'	To 2,740'	19 sx Type III
Plug 6	2,018'	To 1,834'	12 sx Type III
Plug 7	1,608'	To 1,415'	12 sx Type III
Plug 8	1234'	To 841'	22 sx Type III
Plug 9	423'	To Surface	57 sx Type III (12 sx for top off)

**BRIDGE PLUG/CEMENT RETAINER SUMMARY**Depth Set

6,286'

**WELL PRESSURES**

Tubing 0 psi

Casing 0 psi

Bradenhead 0 psi



PERFORMING - WIRELINE SERVICES



CEMENT BOND LOG  
CASING COLLARS  
GAMMA RAY / VDL

Company MORNINGSTAR OPERATING, LLC  
Well RAMENTA ET AL #1  
Field DAKOTA  
County SAN JUAN  
State NEW MEXICO

Company MORNINGSTAR OPERATING, LLC  
Well RAMENTA ET AL #1  
Field DAKOTA  
County SAN JUAN  
State NEW MEXICO

Location: API # : 30-045-06471  
NAVAJO I-149 -IND. 8466  
SEC 13 TWP 27N RGE 9W  
Permanent Datum GROUND LEVEL Elevation 5956'  
Log Measured From K.B. 12'  
Drilling Measured From KELLY BUSHING  
Other Services N/A  
Elevation K.B. 5968'  
D.F. 5967'  
G.L. 5956'

Date 7-14-2022

Run Number 1  
Depth Driller 6650'  
Depth Logger 6010'  
Bottom Logged Interval 6010'  
Top Log Interval SURFACE  
Open Hole Size 6.6875"  
Type Fluid WATER  
Density / Viscosity 8.4  
Max. Recorded Temp. N/A  
Estimated Cement Top SEE LOG  
Time Well Ready 2:45 P.M.  
Time Logger on Bottom 4:05 P.M.  
Equipment Number T-119  
Location FARMINGTON  
Recorded By M. MEDINA  
Witnessed By CARLOS GUTIERREZ

Borehole Record  
Fm Number Bit From To Size Weight From To  
Tubing Record


Casing Record  
Size 8 5/8" Wgt/Ft J-55 / #24 Top Bottom  
Surface String SURFACE 345'  
Production String 4.50" J-55 / # 10.5 SURFACE 6650'  
Liner

<<< 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

THANK YOU FOR USING BASIN WELL LOGGING

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-STNDRD Standard Cable Head	1.00	1.69	10.00

Temp	10.98				
WVFS8	8.75		RBT-Probe275T (2.75") Probe 2.75" Radial with Integral Temperature Sub	9.39	2.75
WVFS7	8.75				
WVFS6	8.75				
WVFS5	8.75				
WVFS4	8.75				
WVFS3	8.75				
WVFS2	8.75				
WVFS1	8.75				
WVF3FT	8.75				
WVF5FT	7.75				
HeadVolt	4.50				
WVFCAL	4.50				
CCL	3.75				
			GR275detector-Probe275Gr (1310-047) Probe 2.75" Dectector on Bottom	4.50	2.75
GR	0.90				30.00
Dataset: ramenta et al #1.db: field/well/run1/pass13.1 Total length: 14.89 ft Total weight: 40.00 lb O.D.: 2.75 in					

Database File ramenta et al #1.db

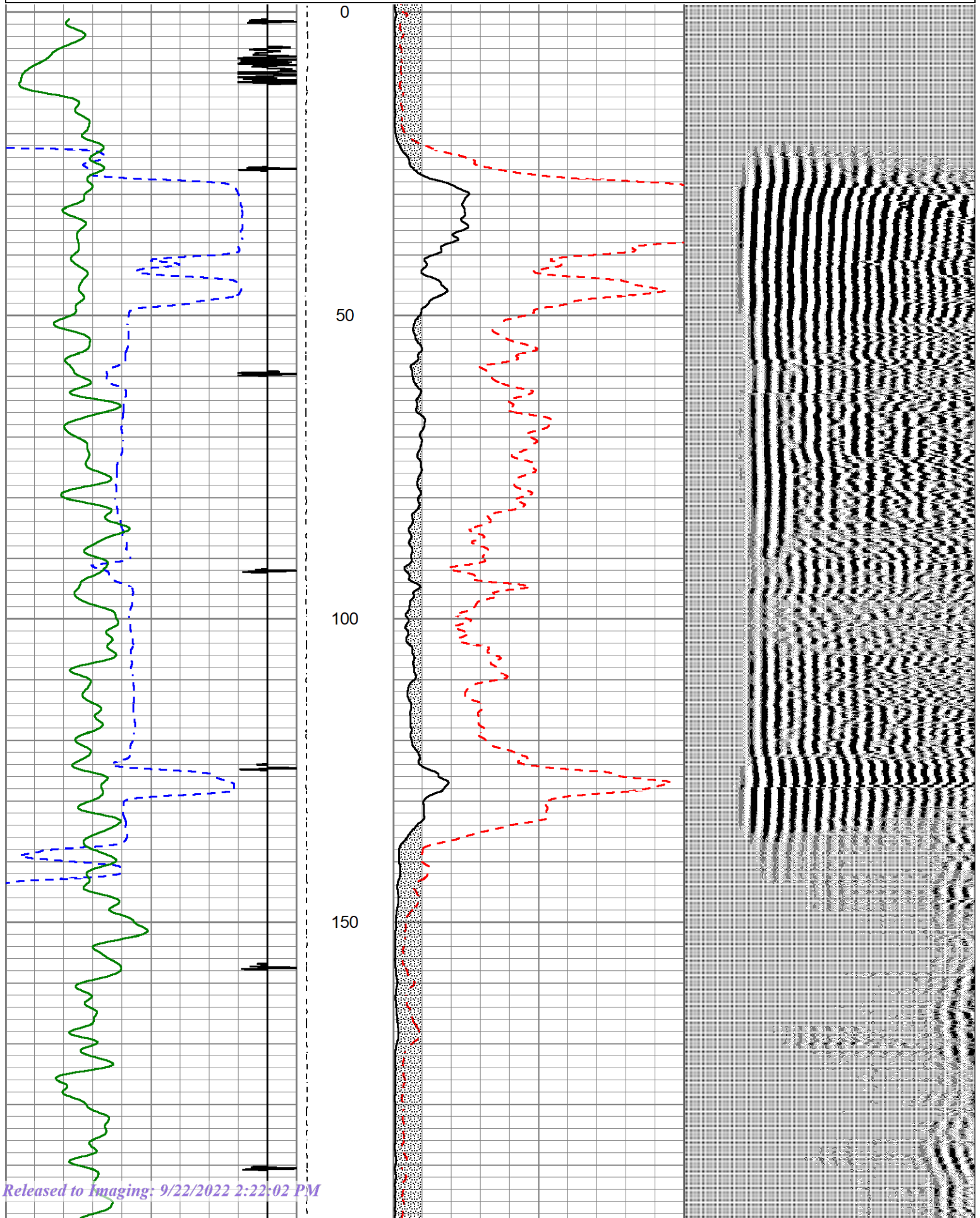
Dataset Pathname pass13.1

Presentation Format chl\_drs

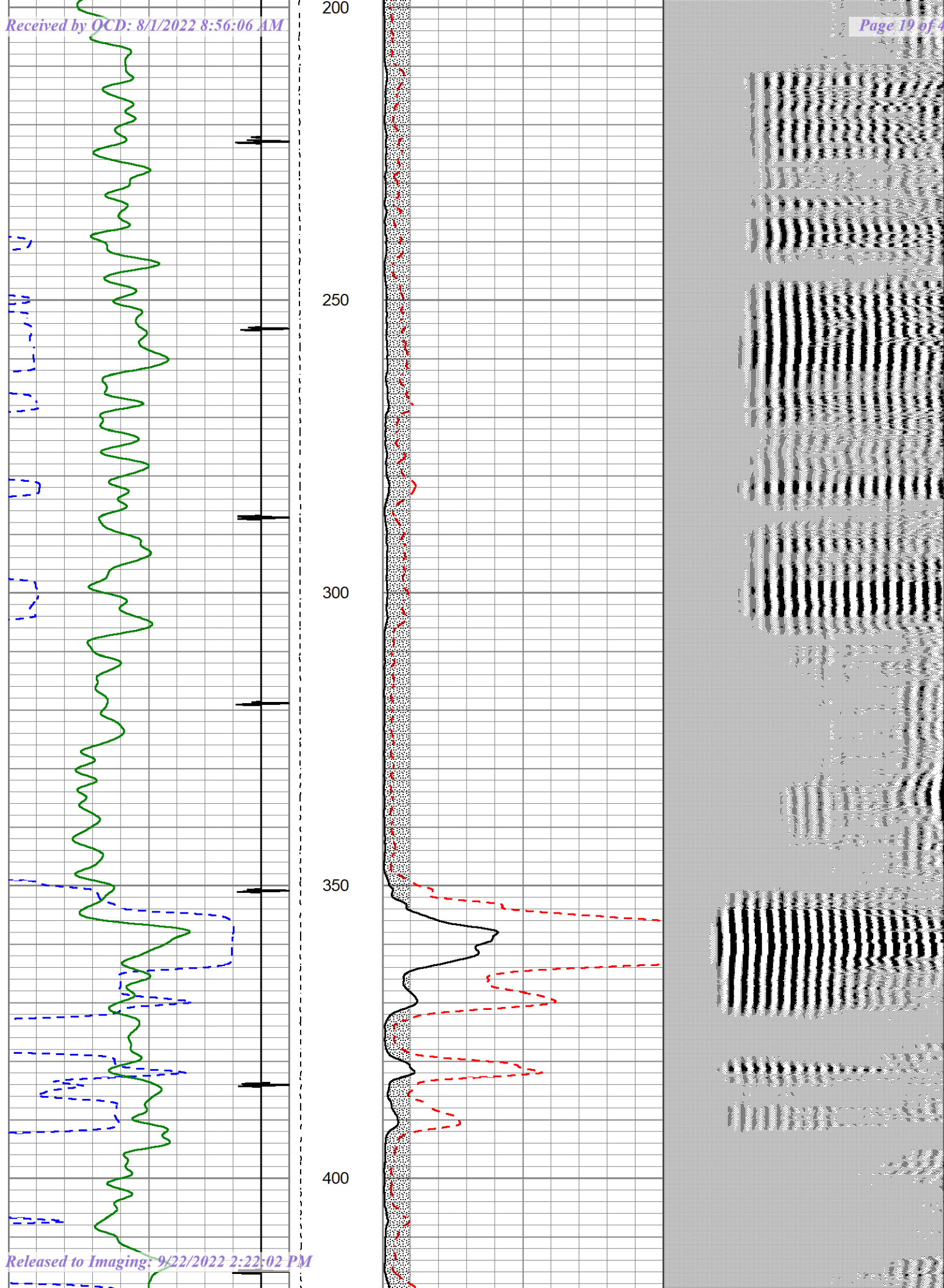
Dataset Creation Thu Jul 14 17:13:59 2022

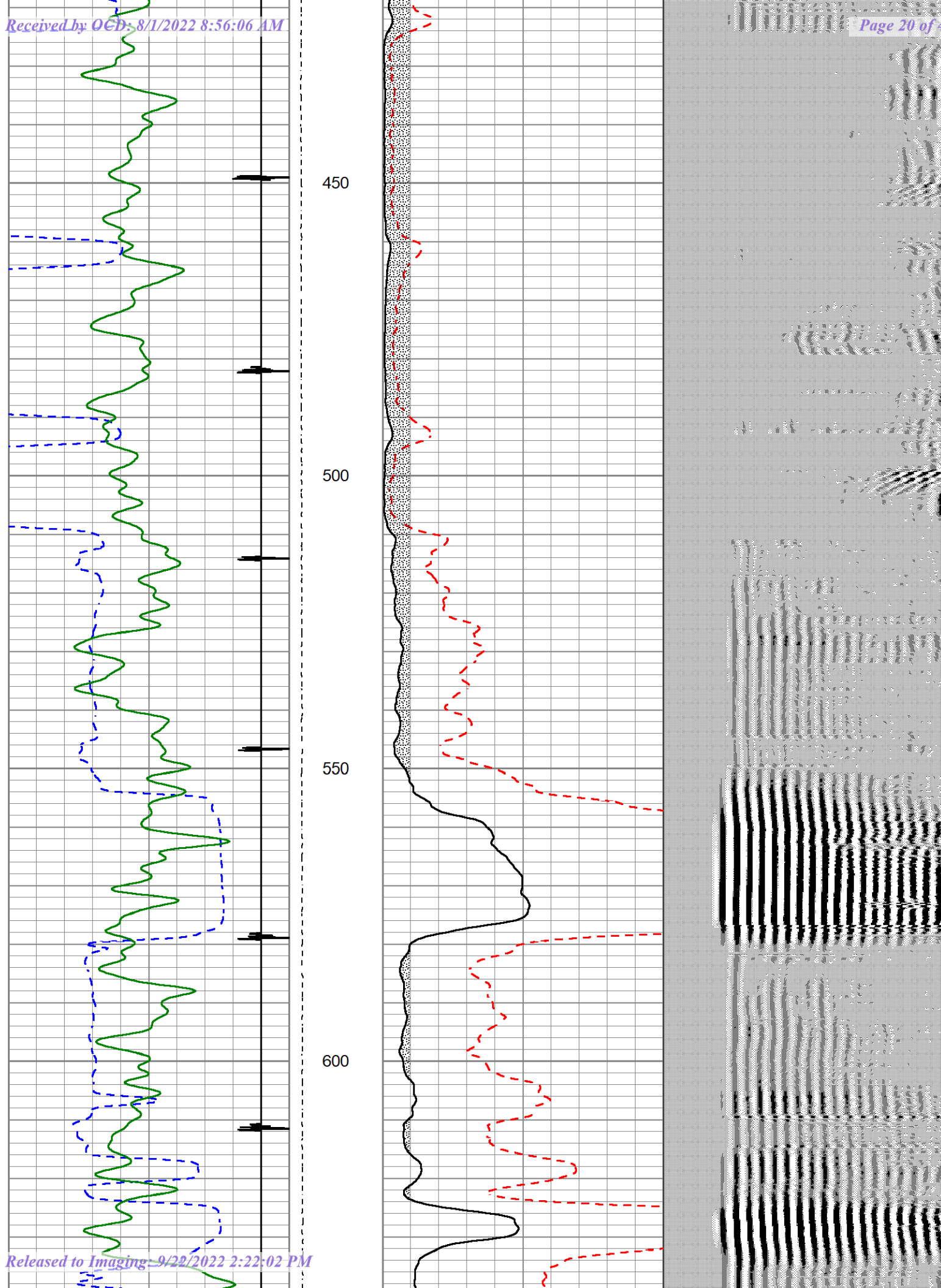
Charted by Depth in Feet scaled 1:240

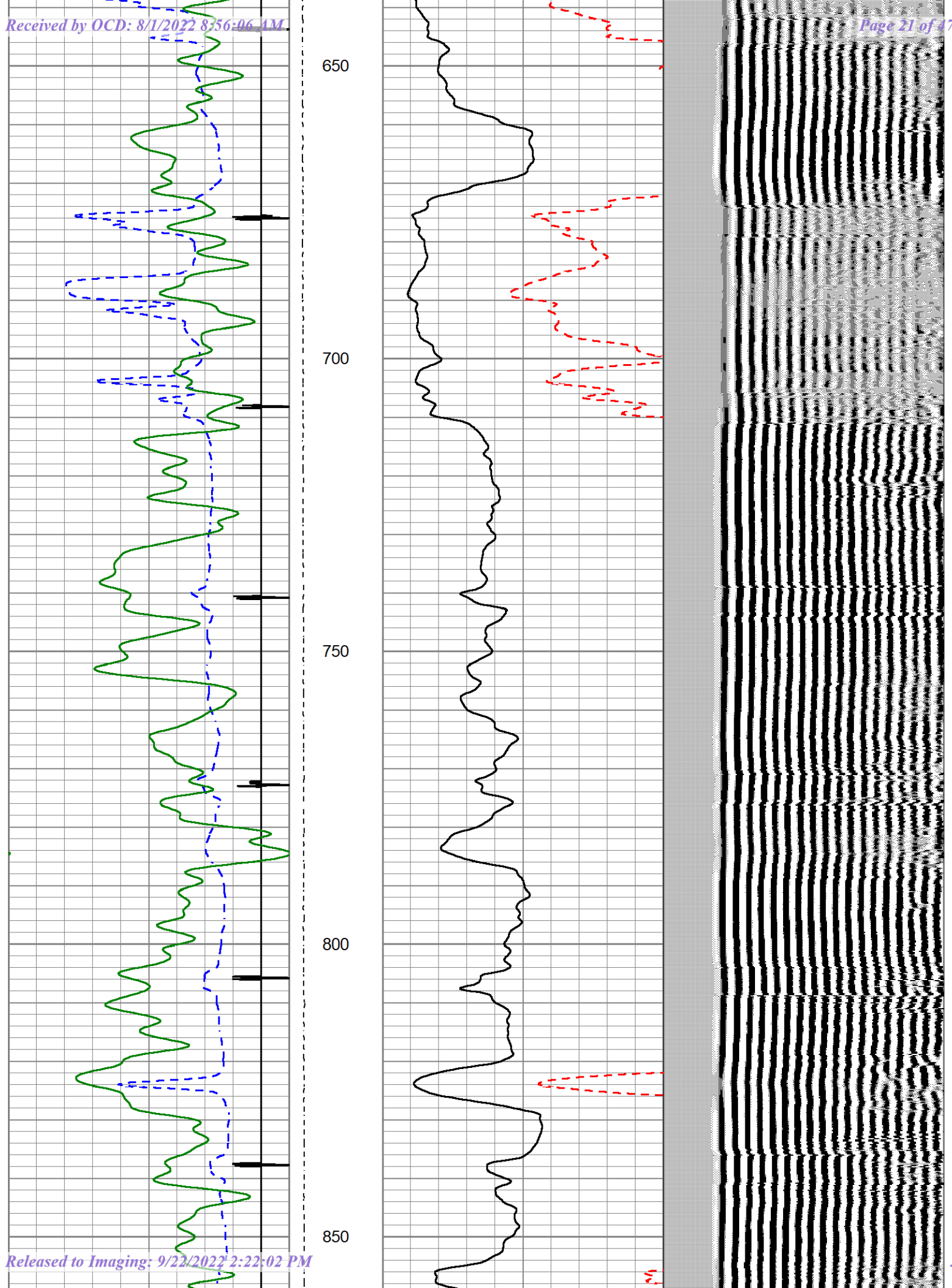
340	TRAVEL TIME (usec)	240	LTEN	0	AMP AMPLITUDE (mV)	20	200	VDL (usec)	1200
9	Collar Locator	-1	(lb 2000)	0	AMPLITUDE (mV)	100			
0	Gamma Ray (GAPI)	180							



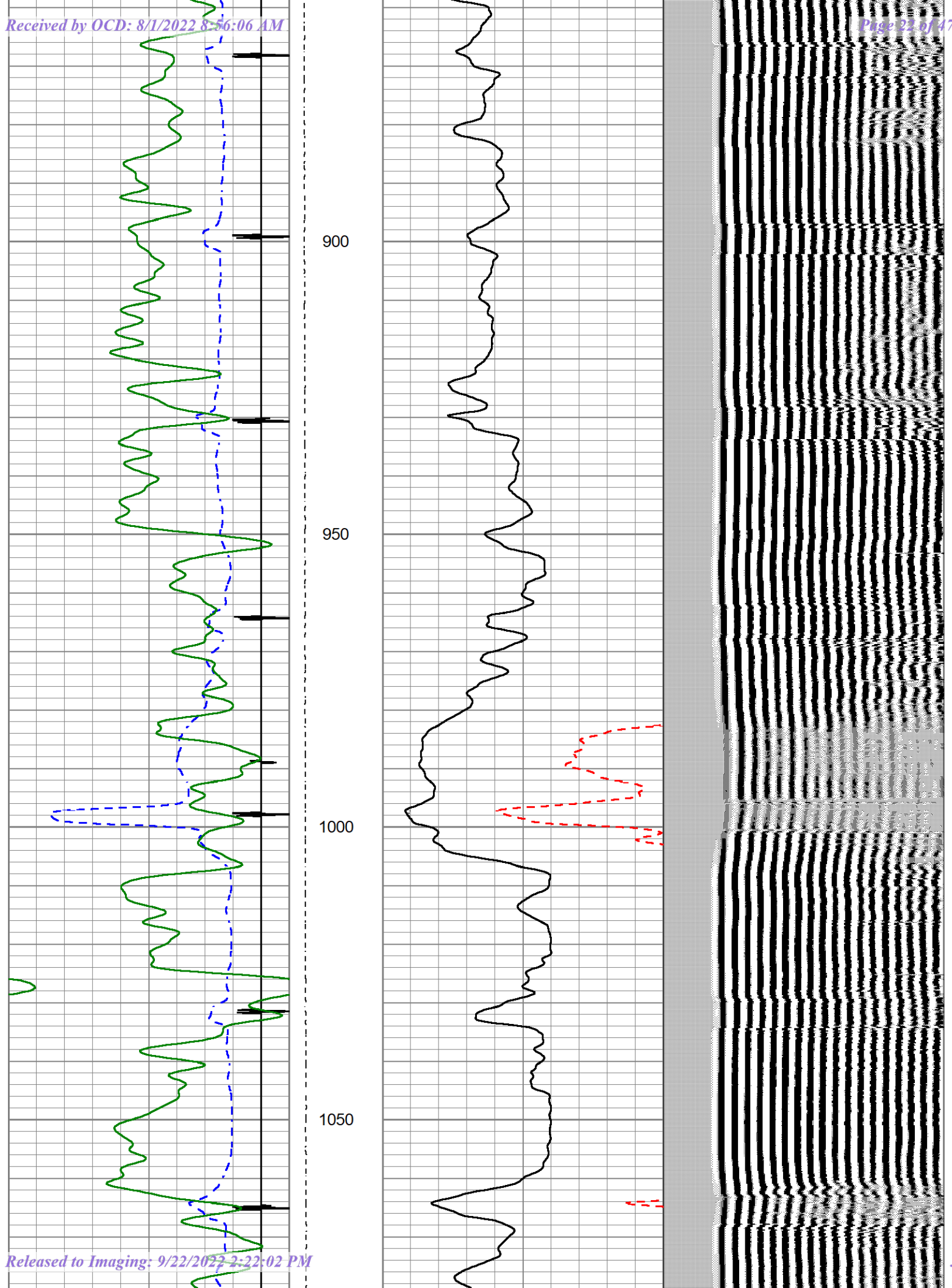




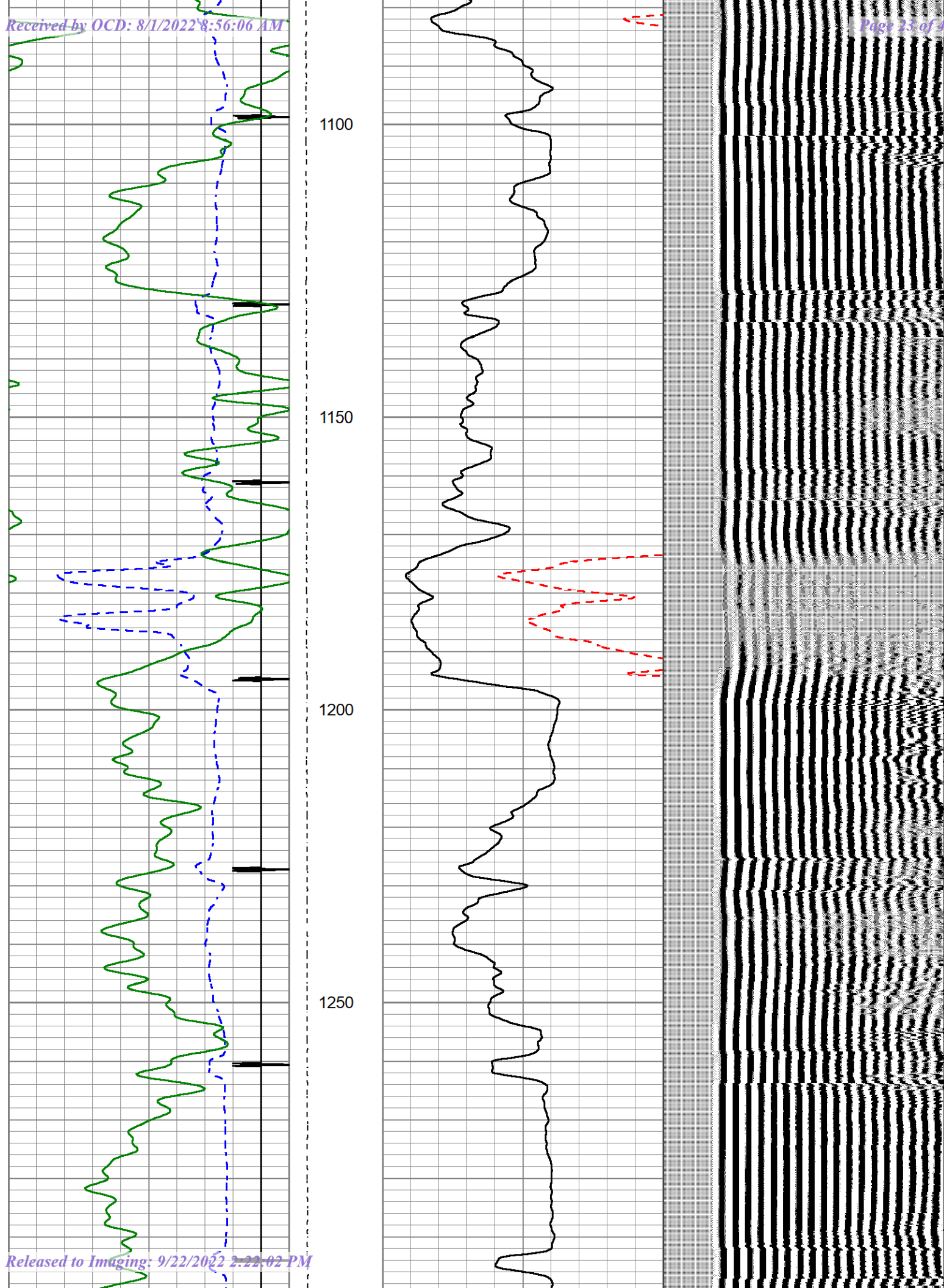


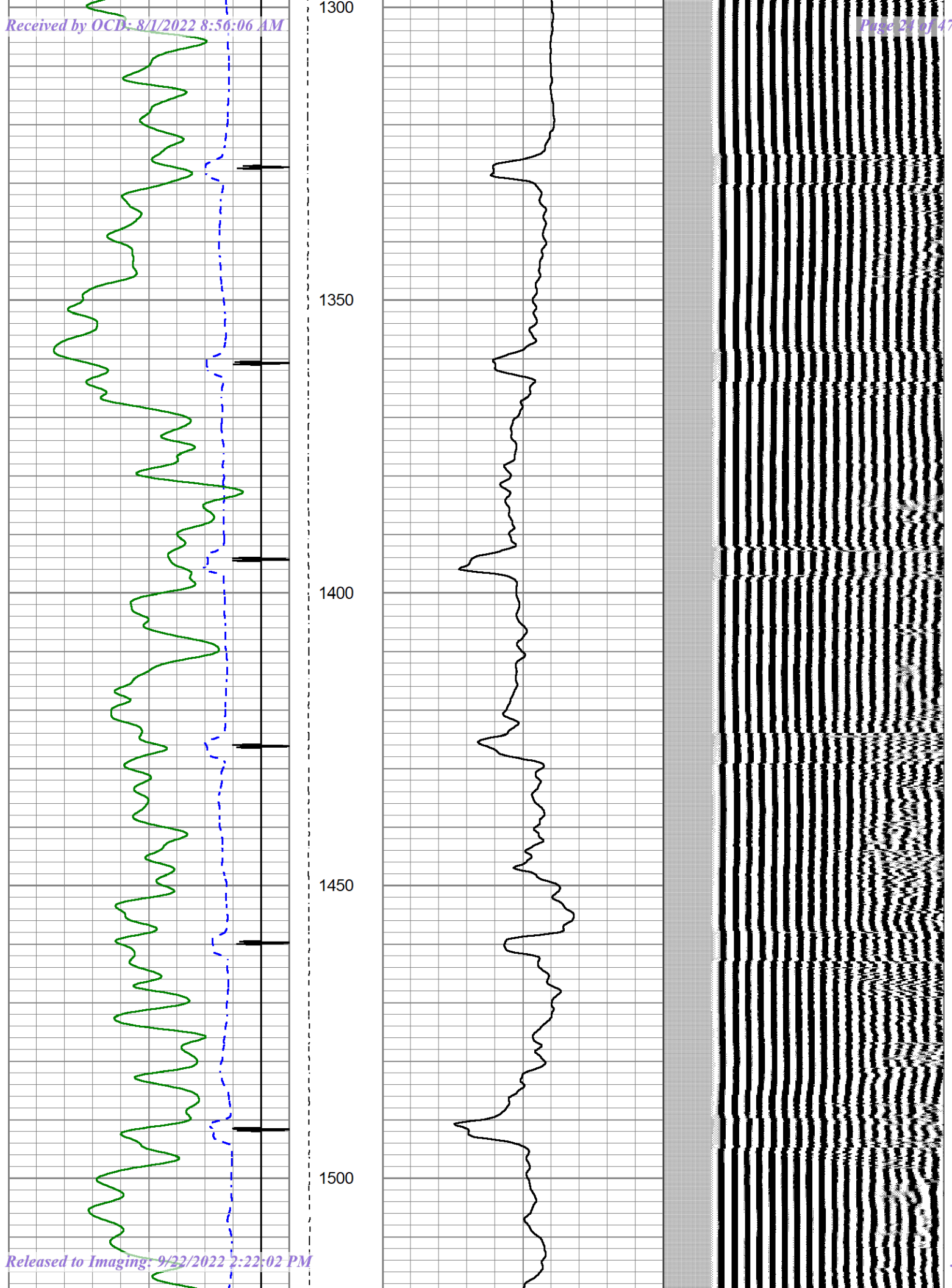


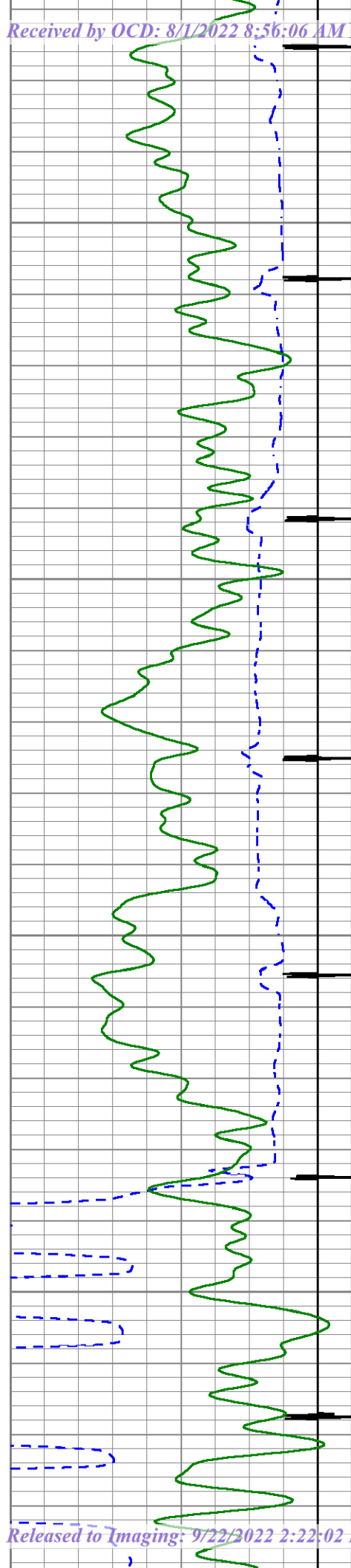










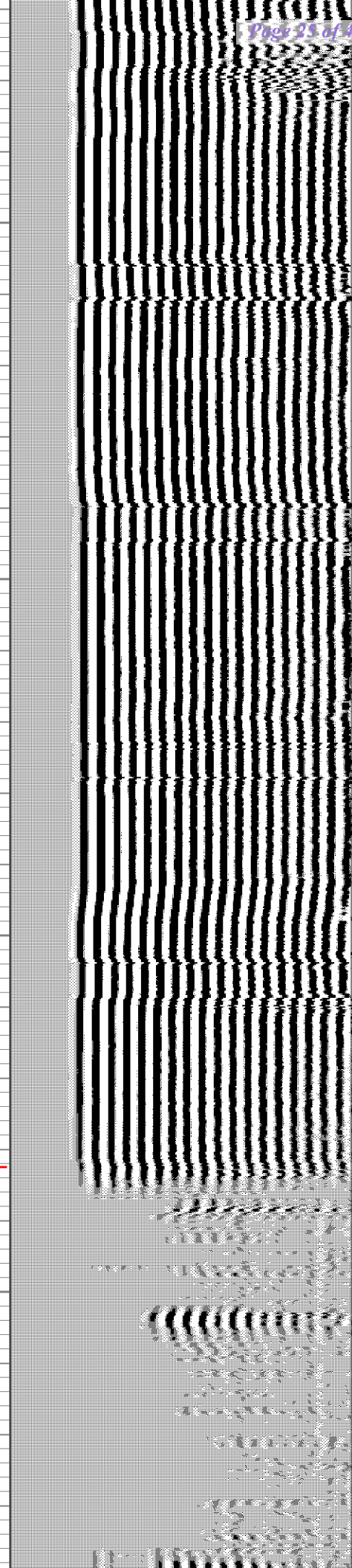
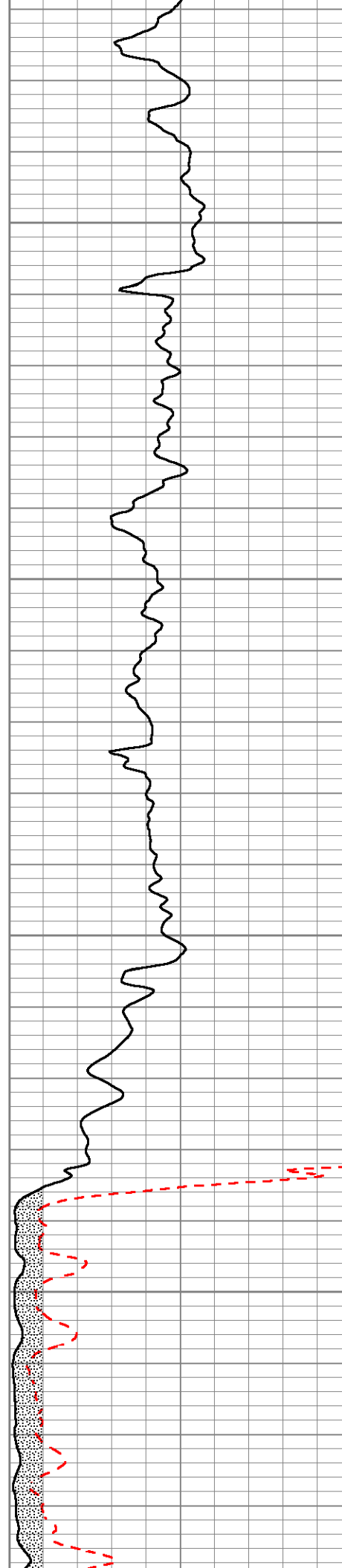


1550

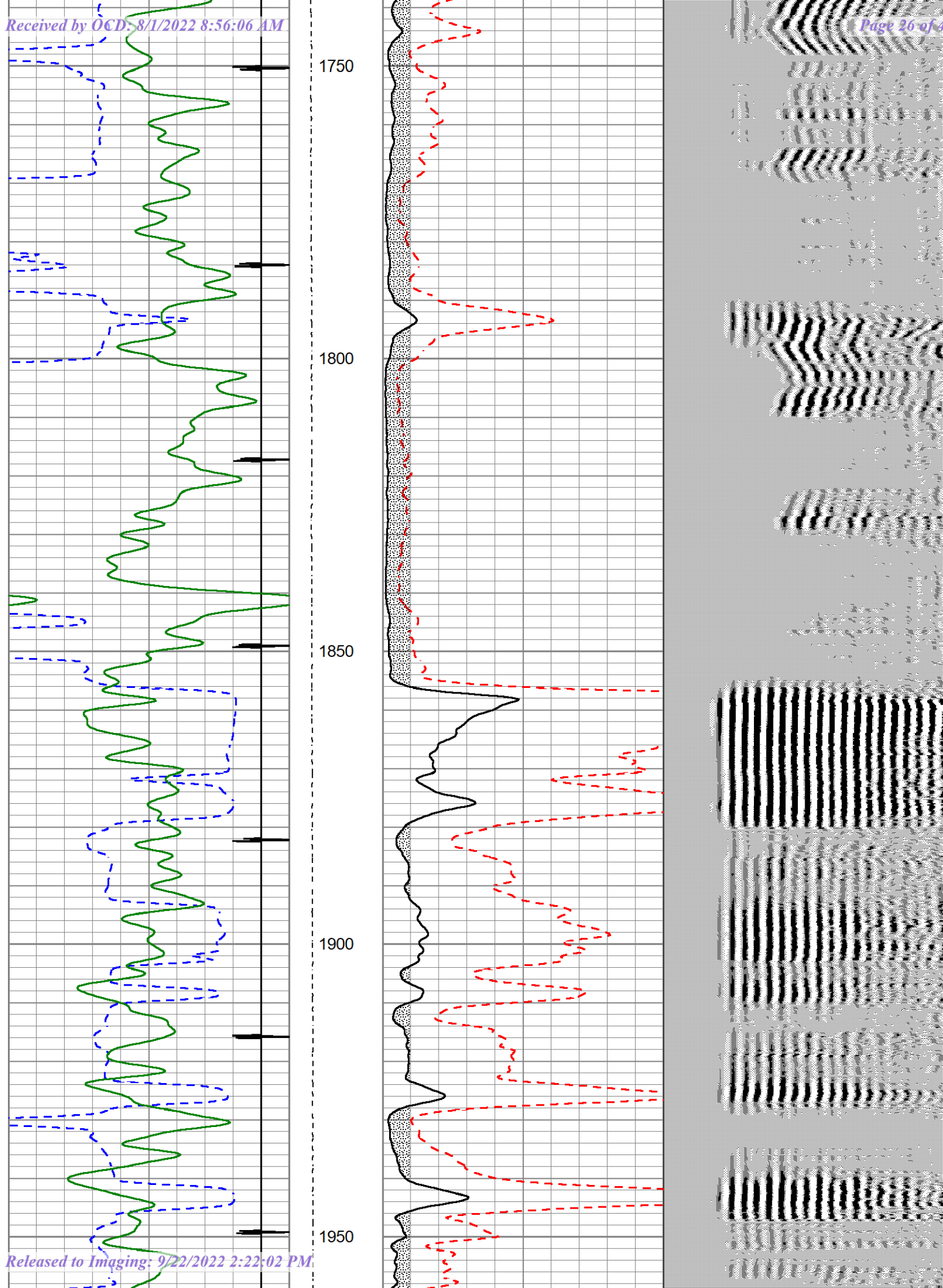
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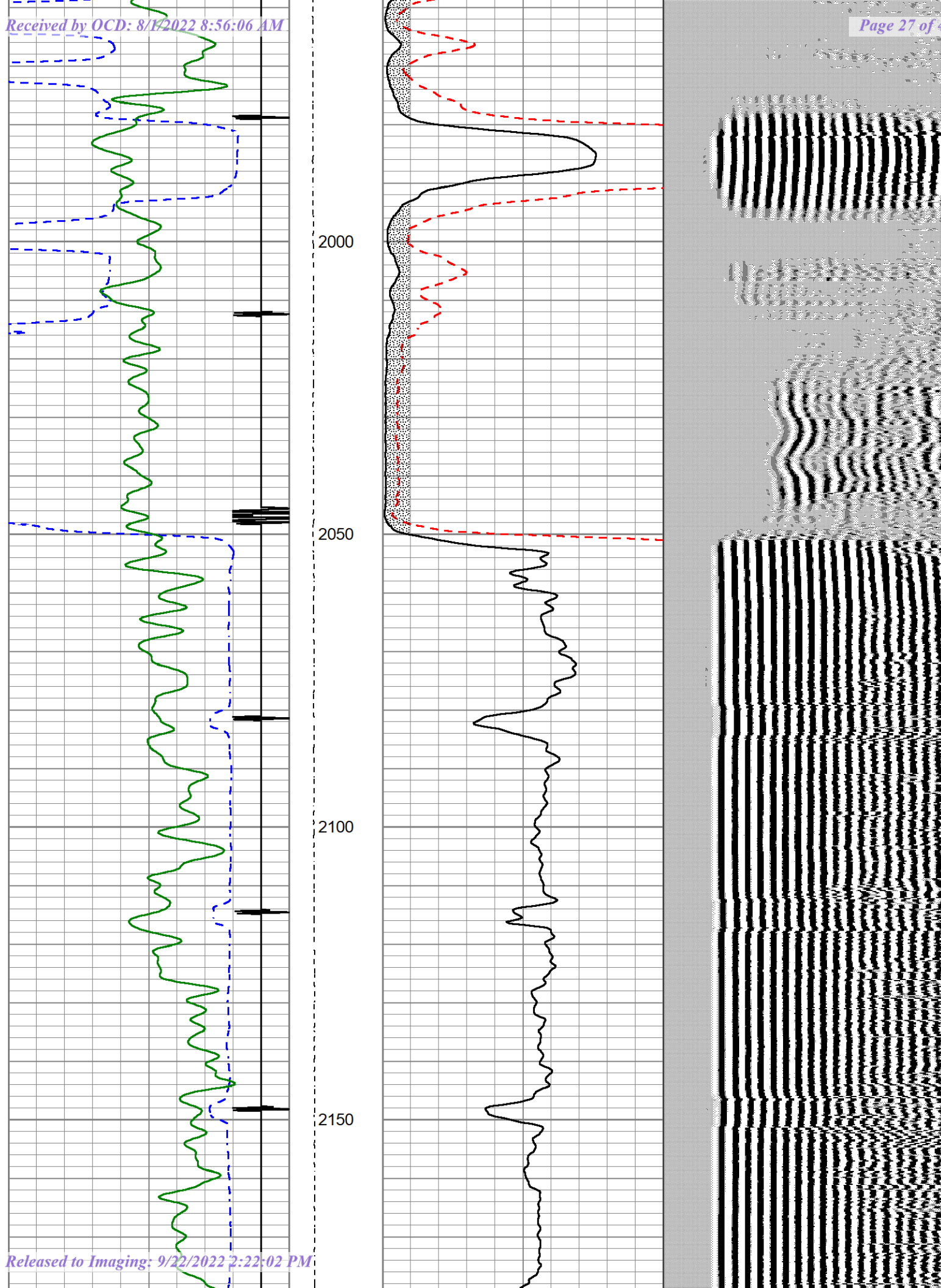
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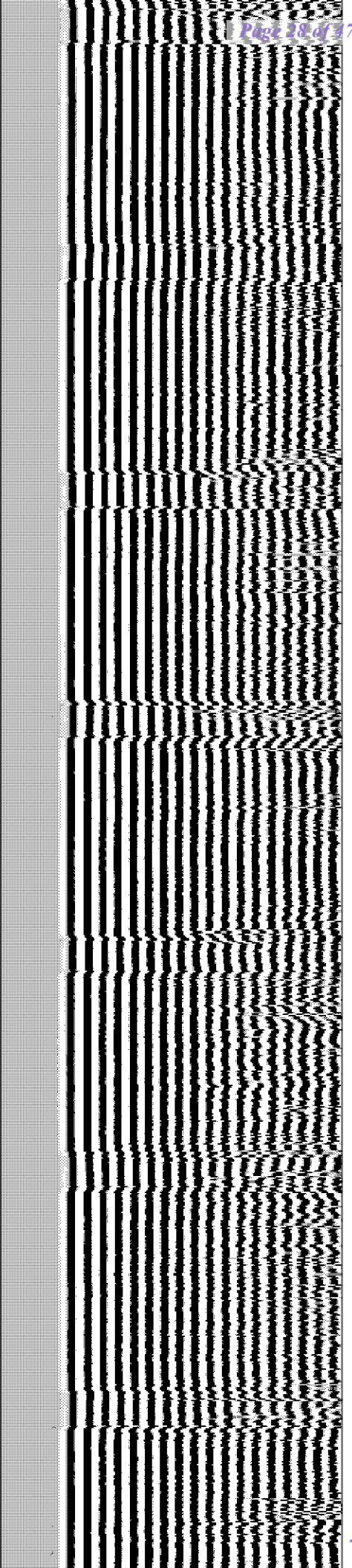
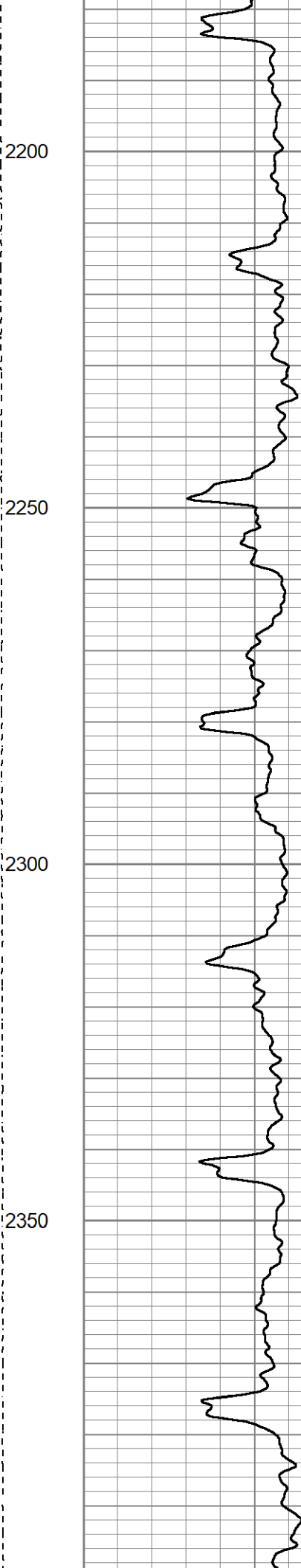
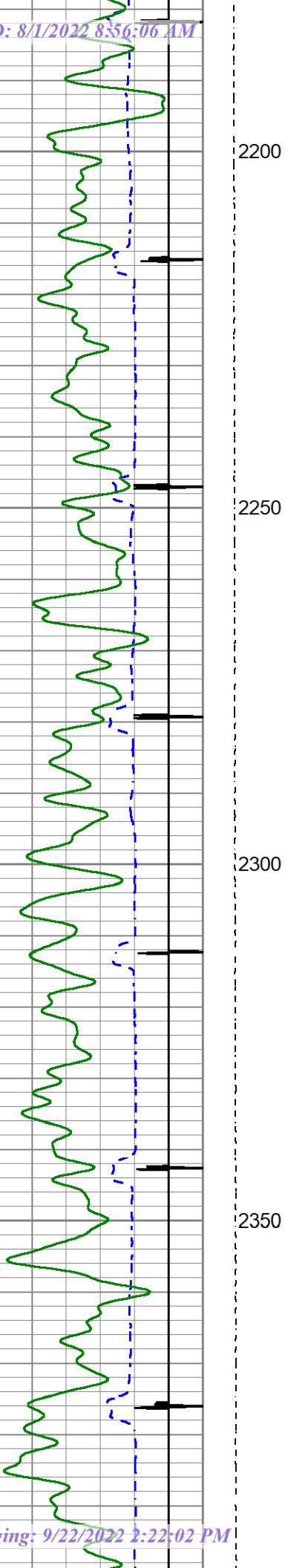
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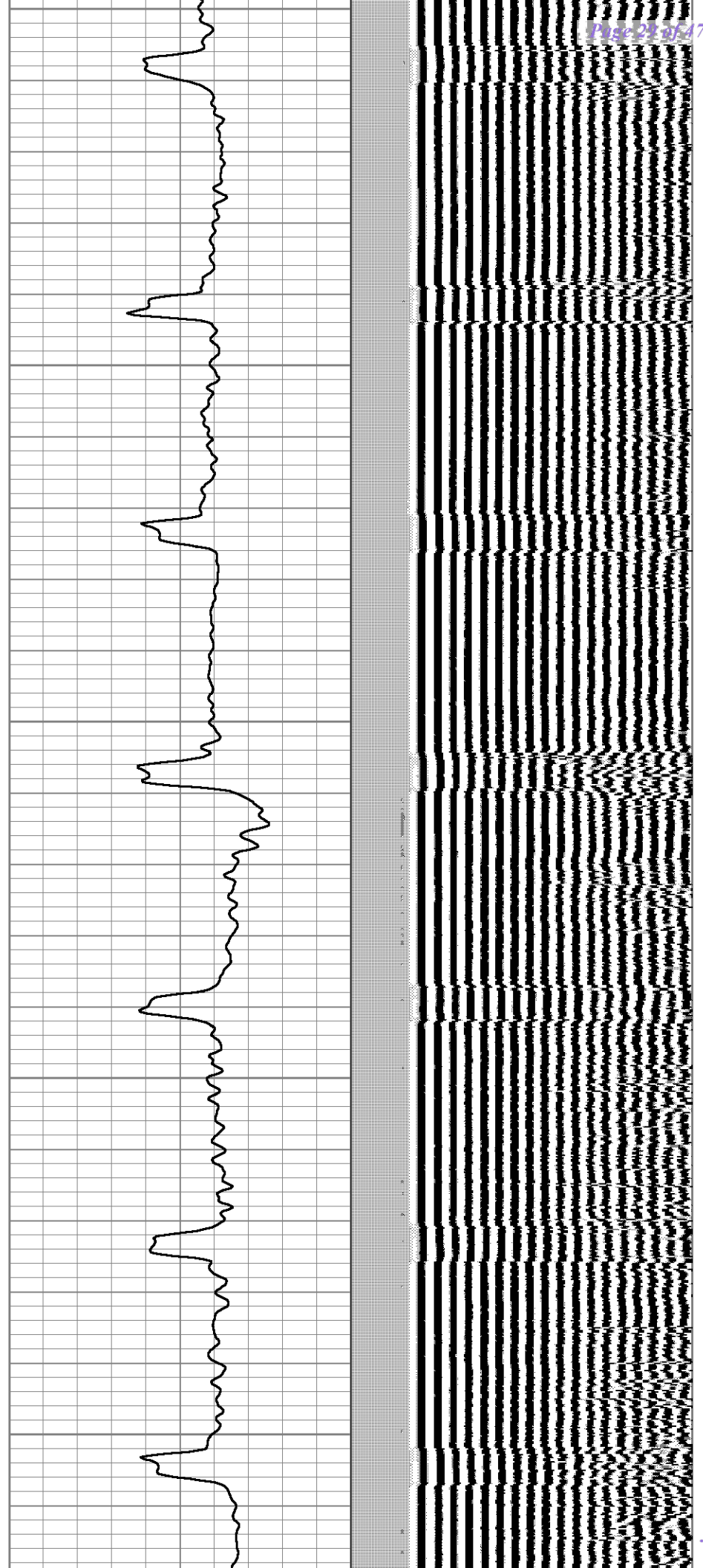
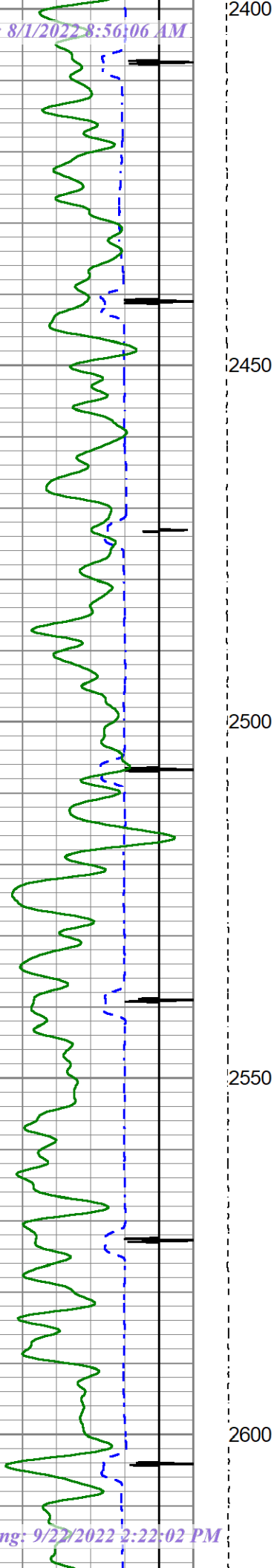




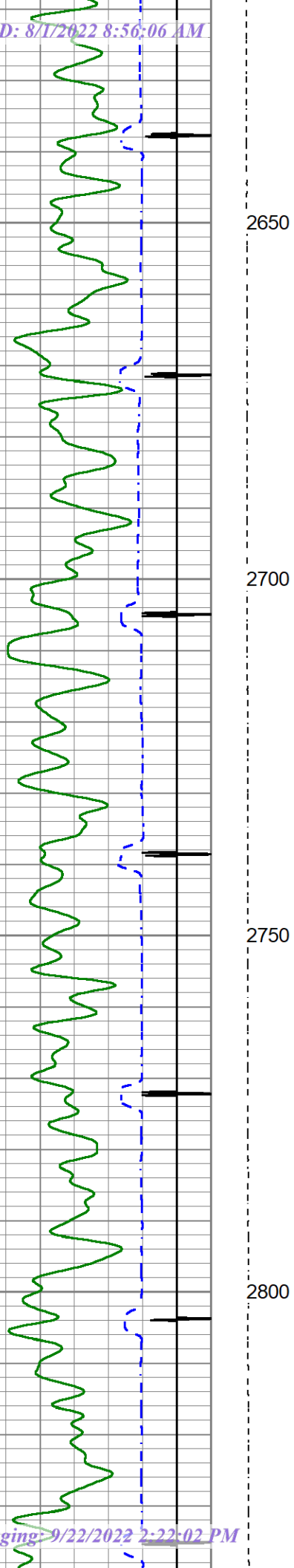










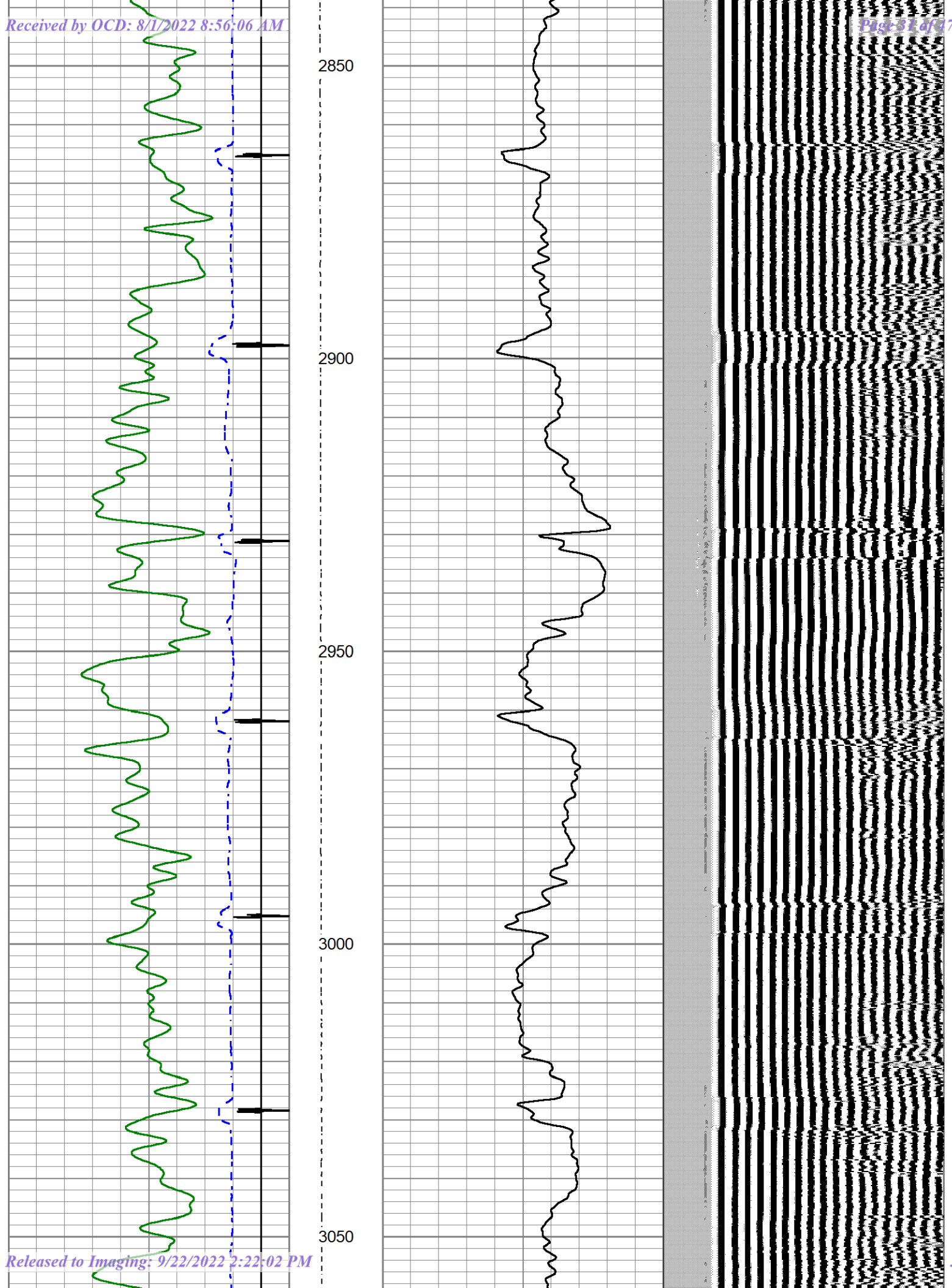


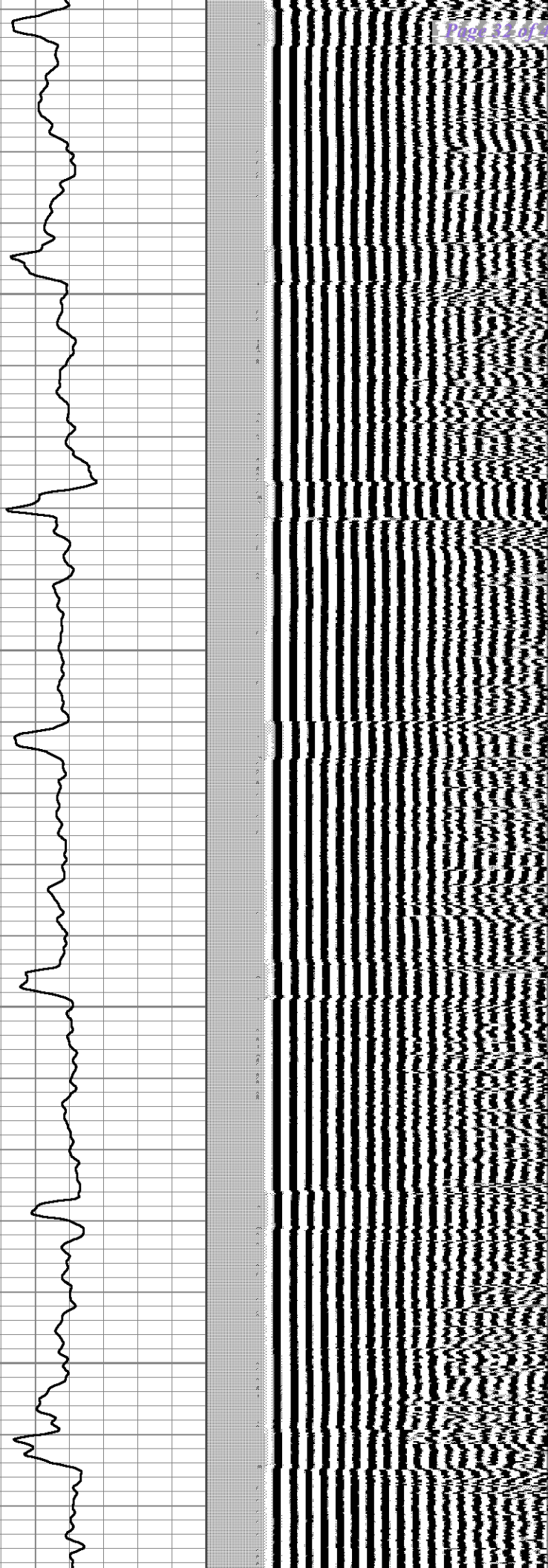
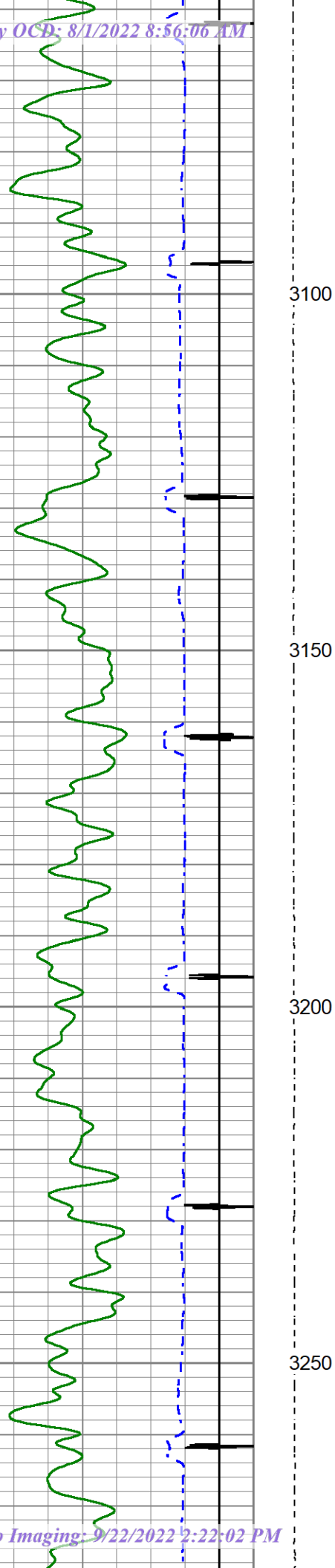
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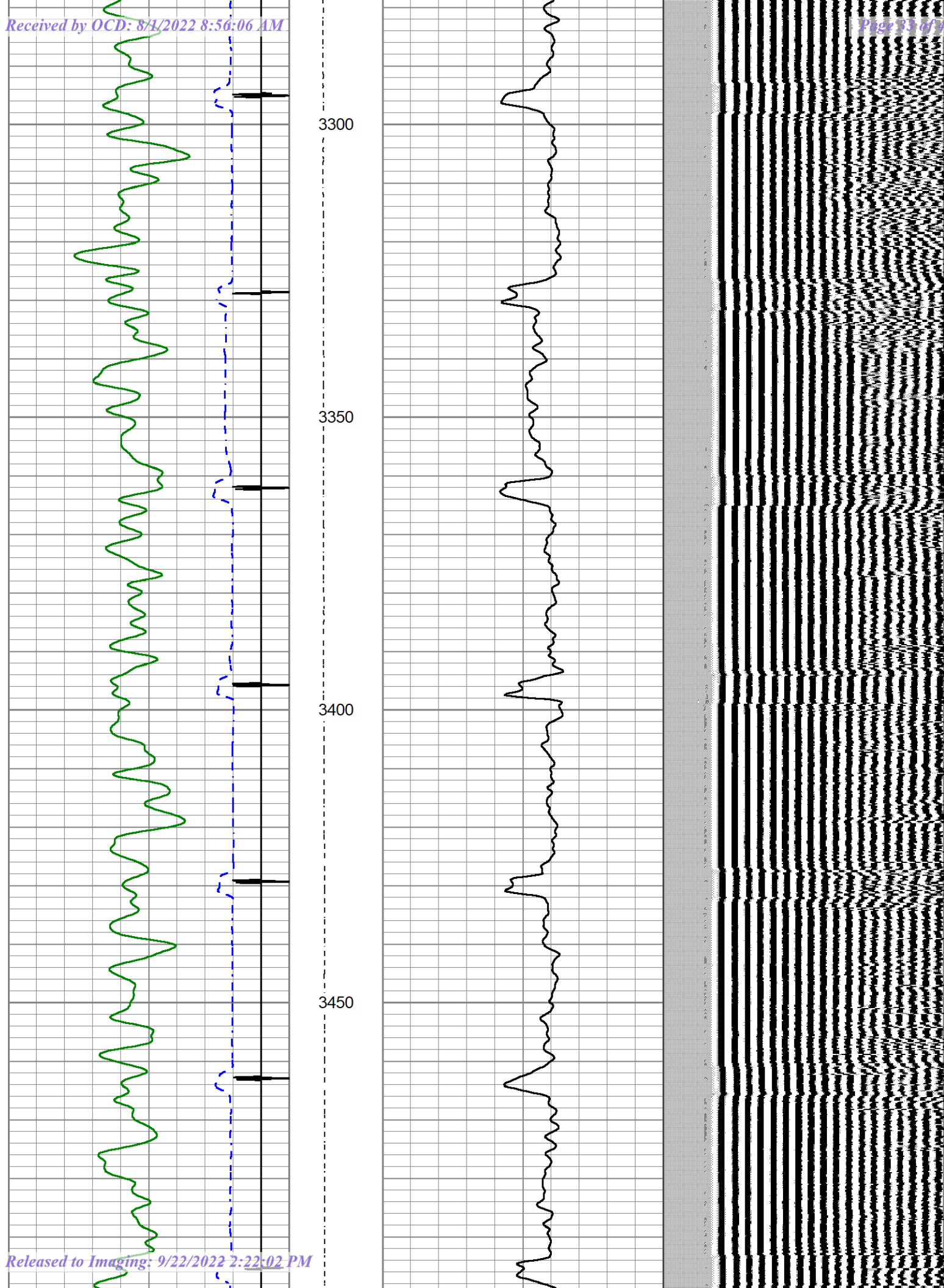
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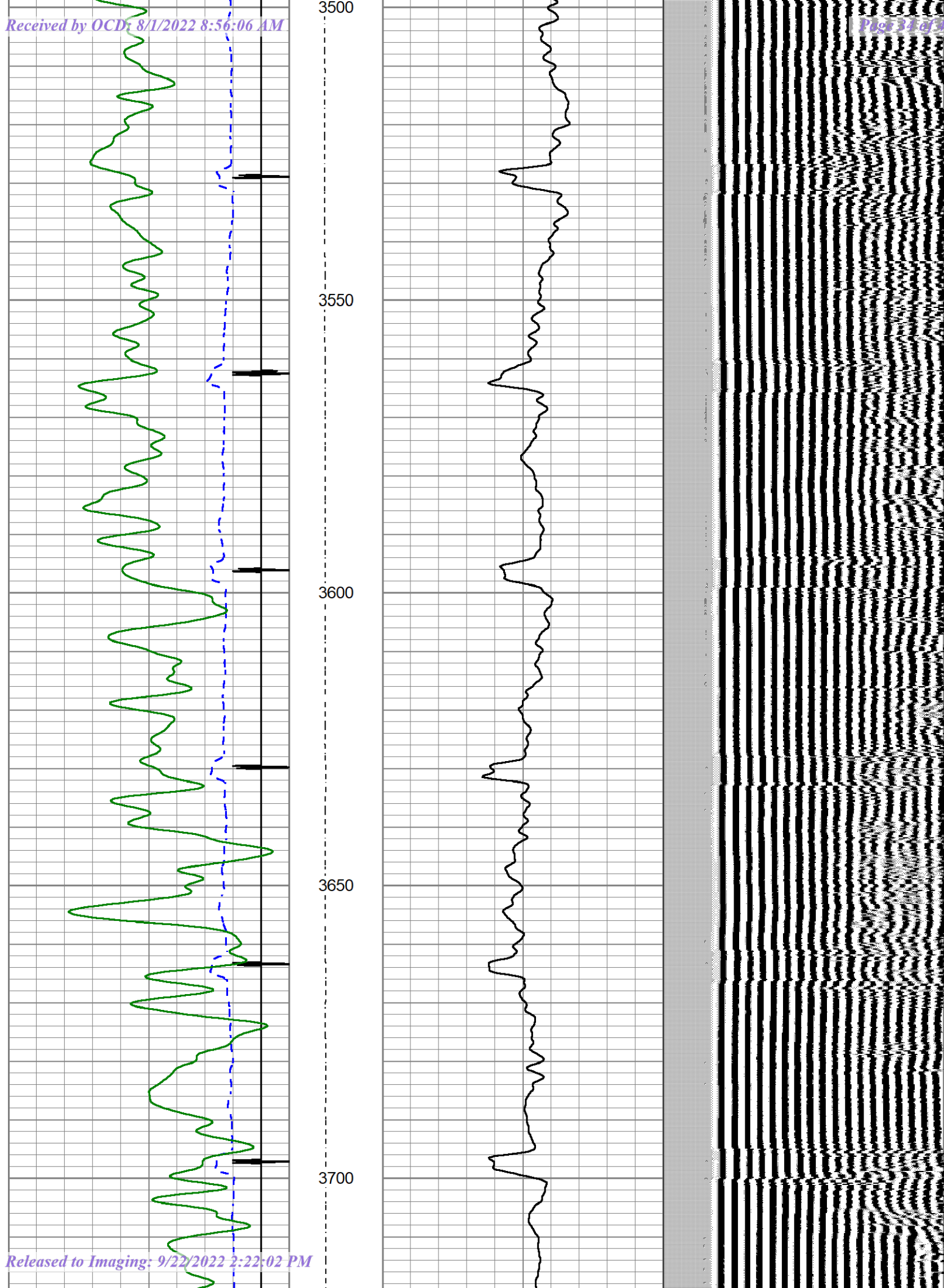
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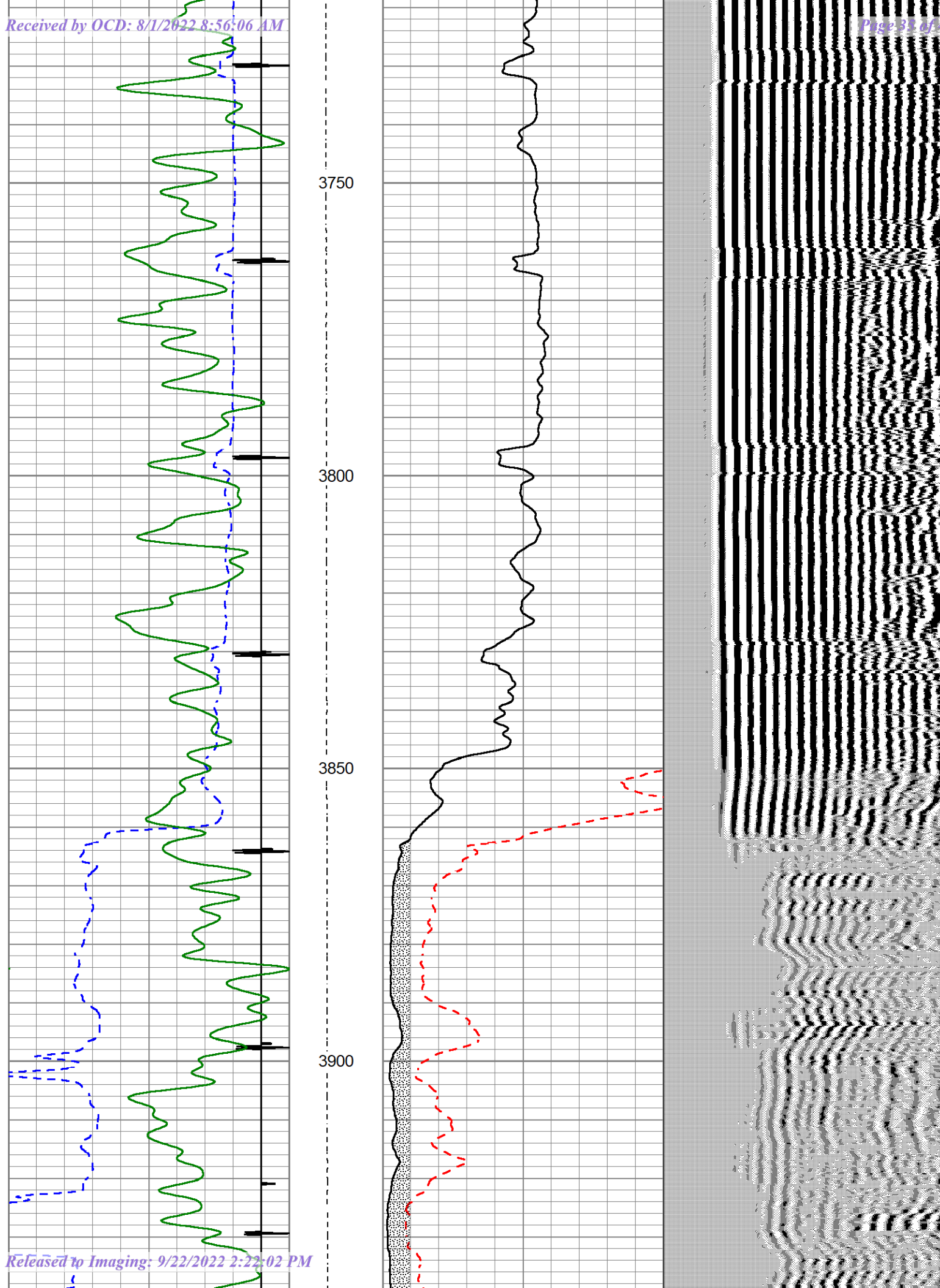




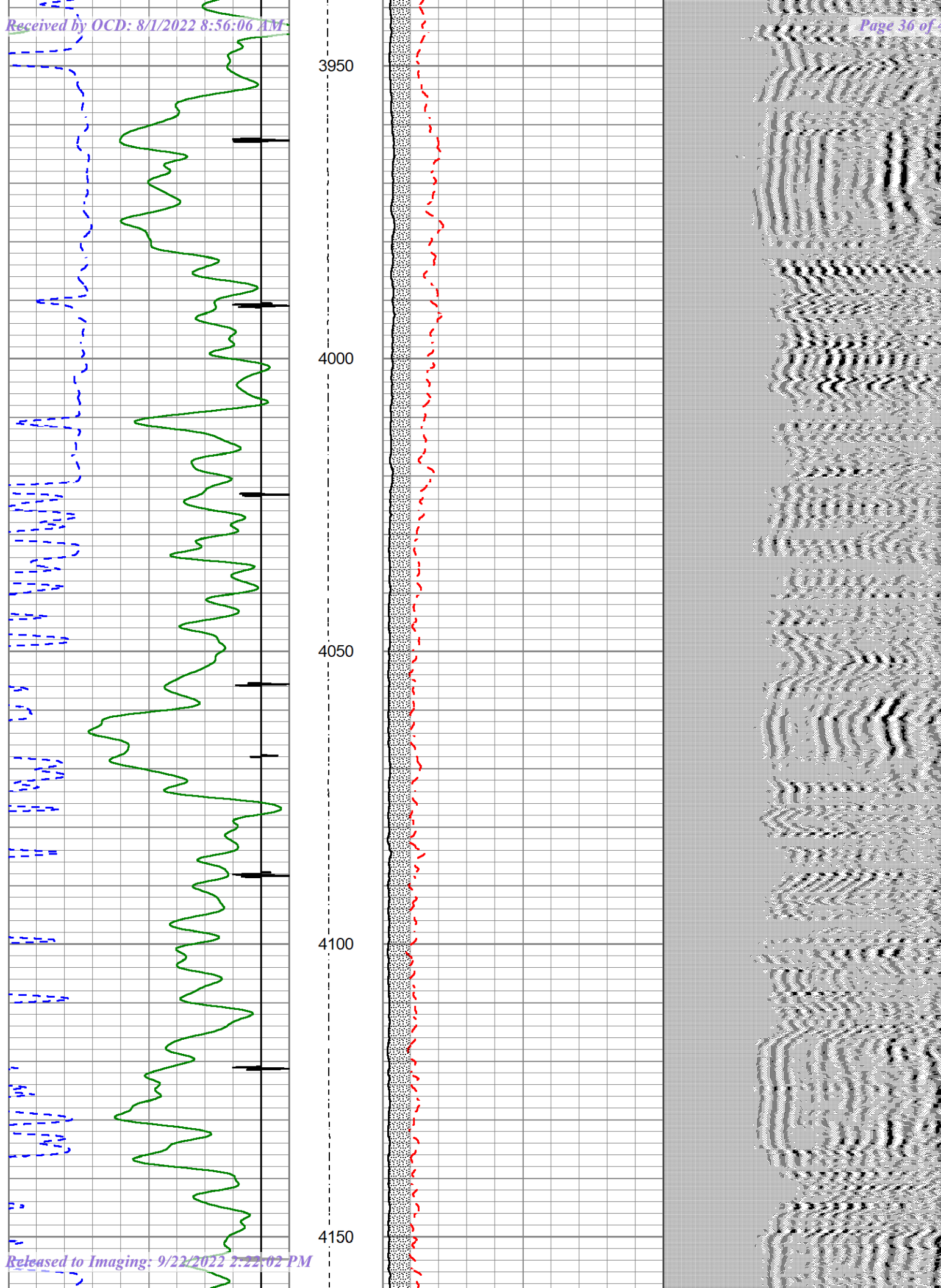




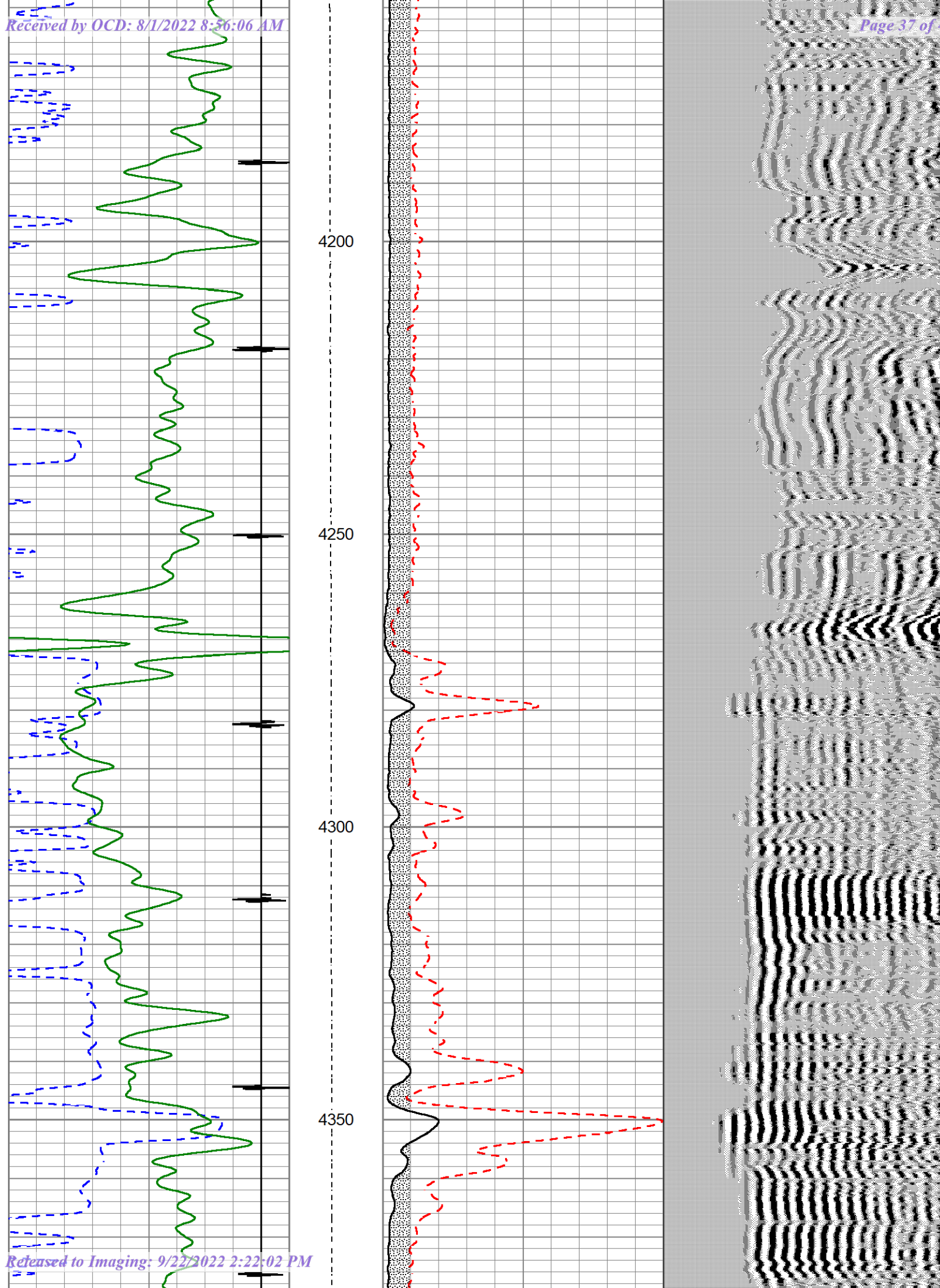


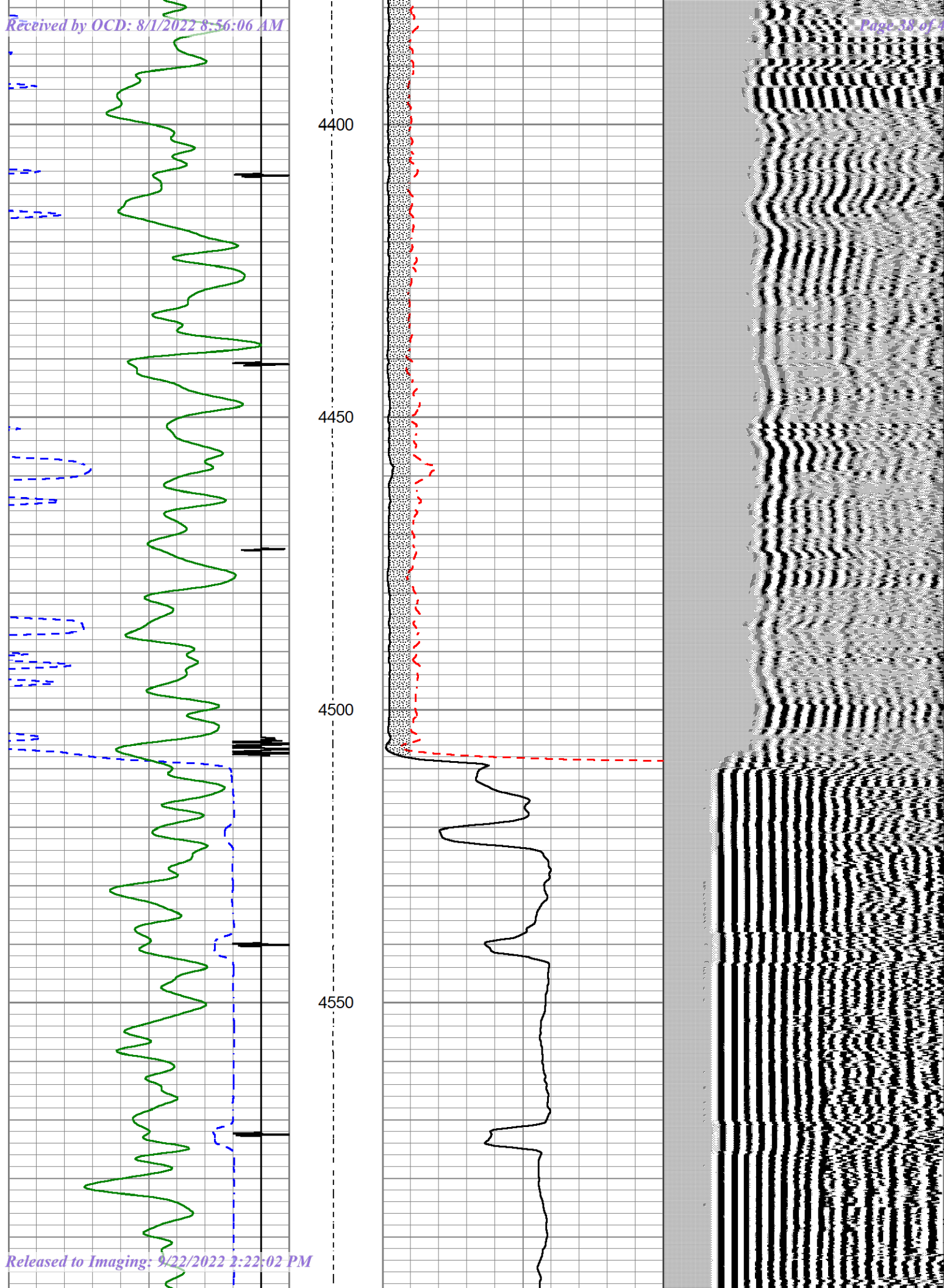




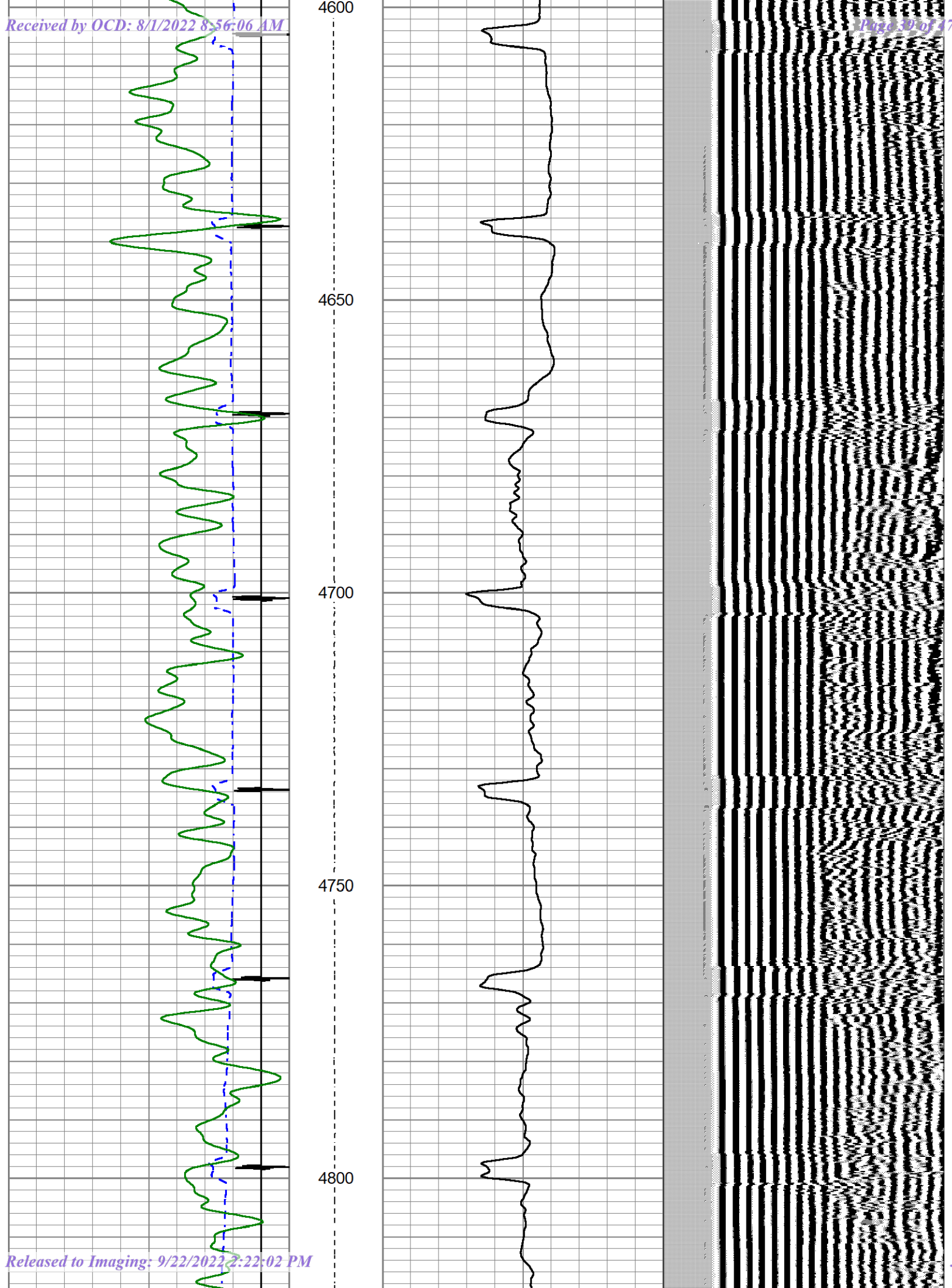


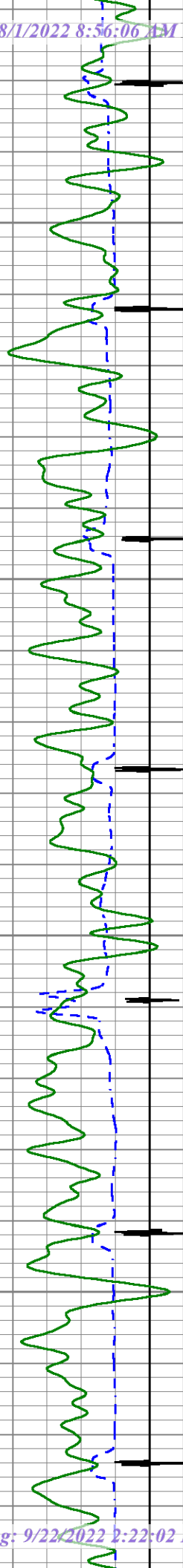










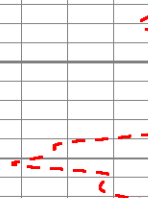
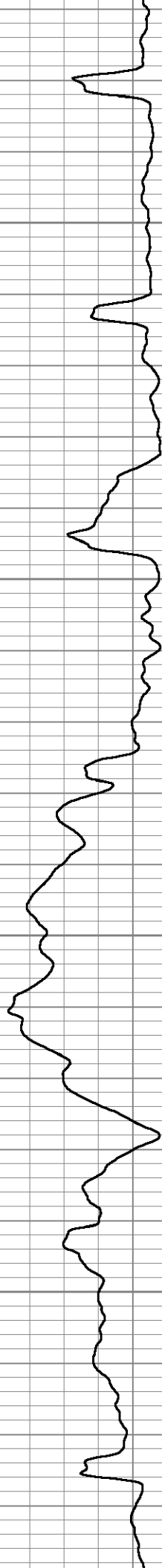


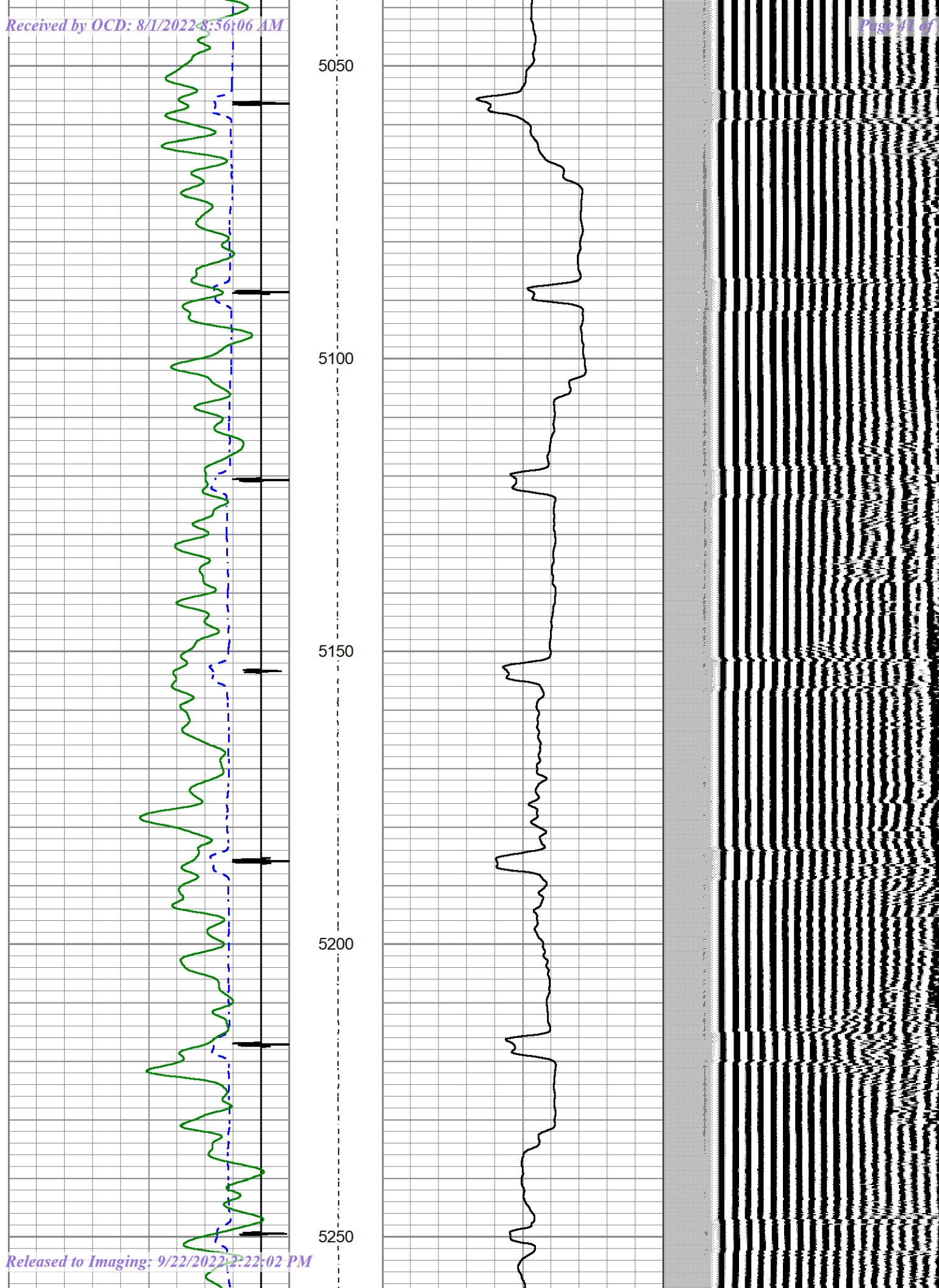
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4900

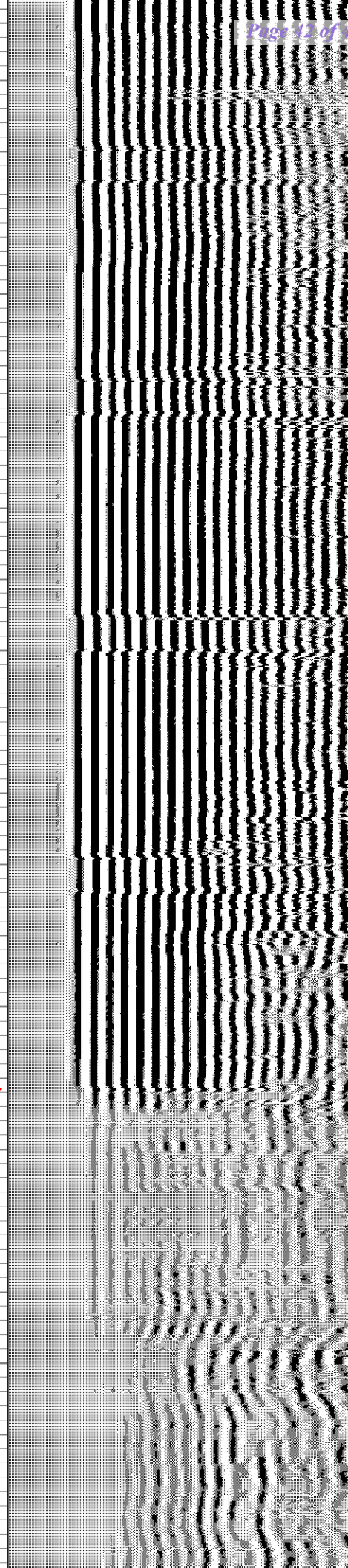
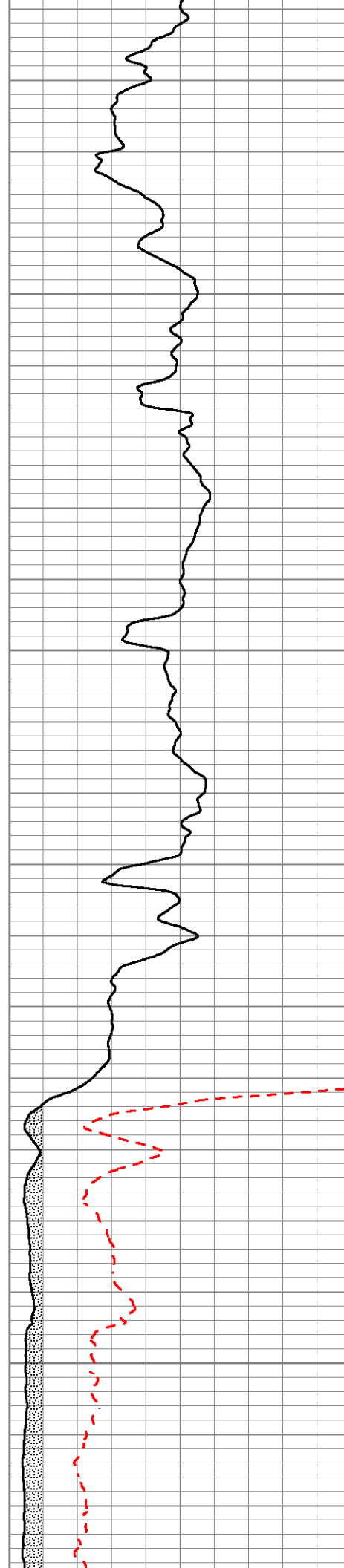
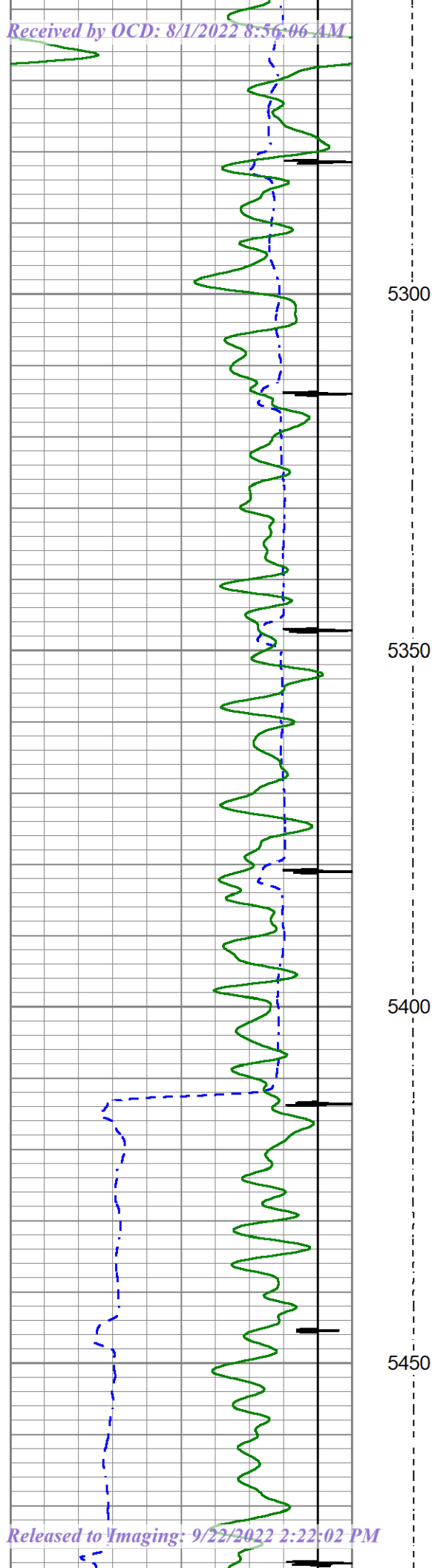
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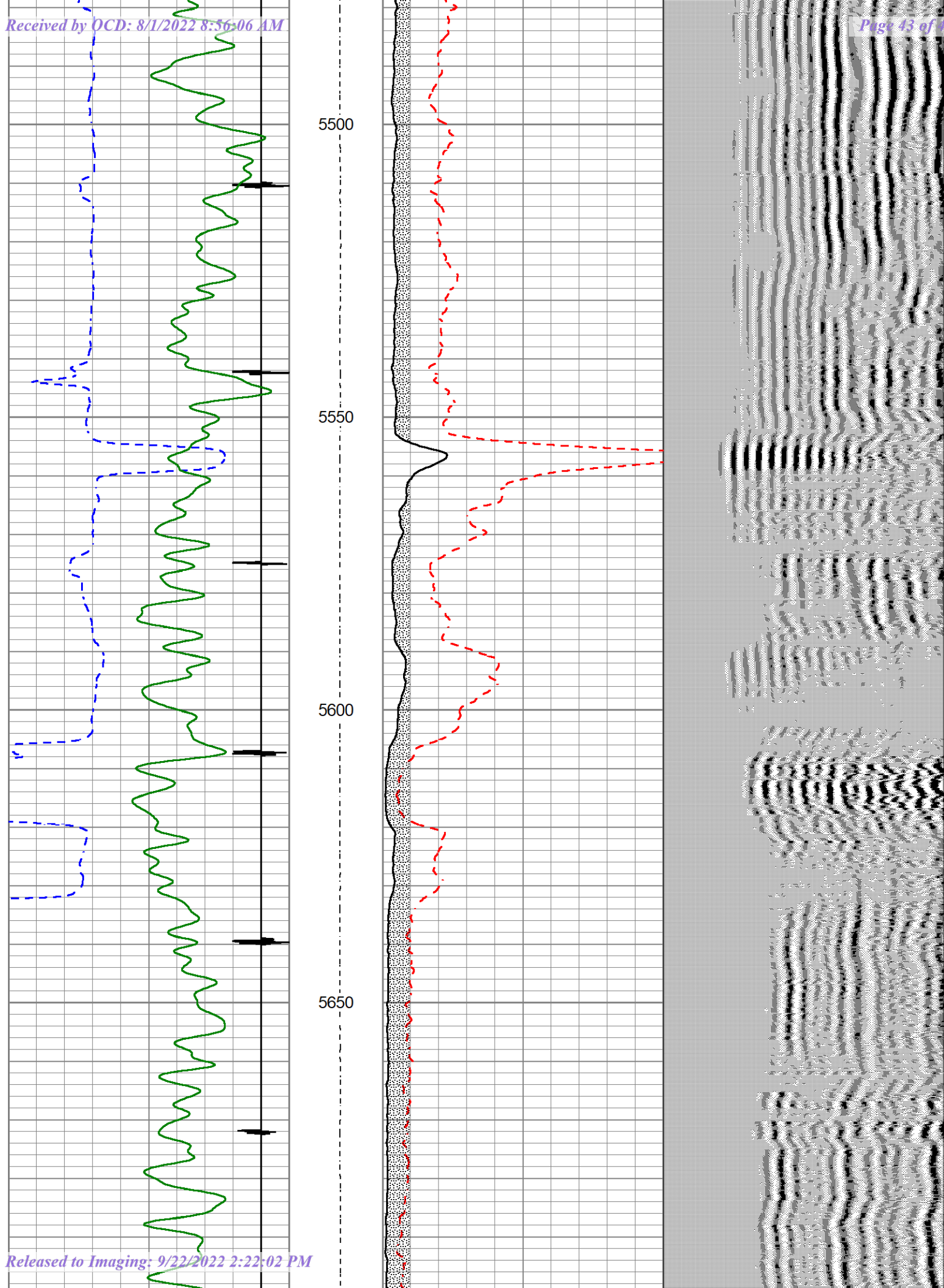
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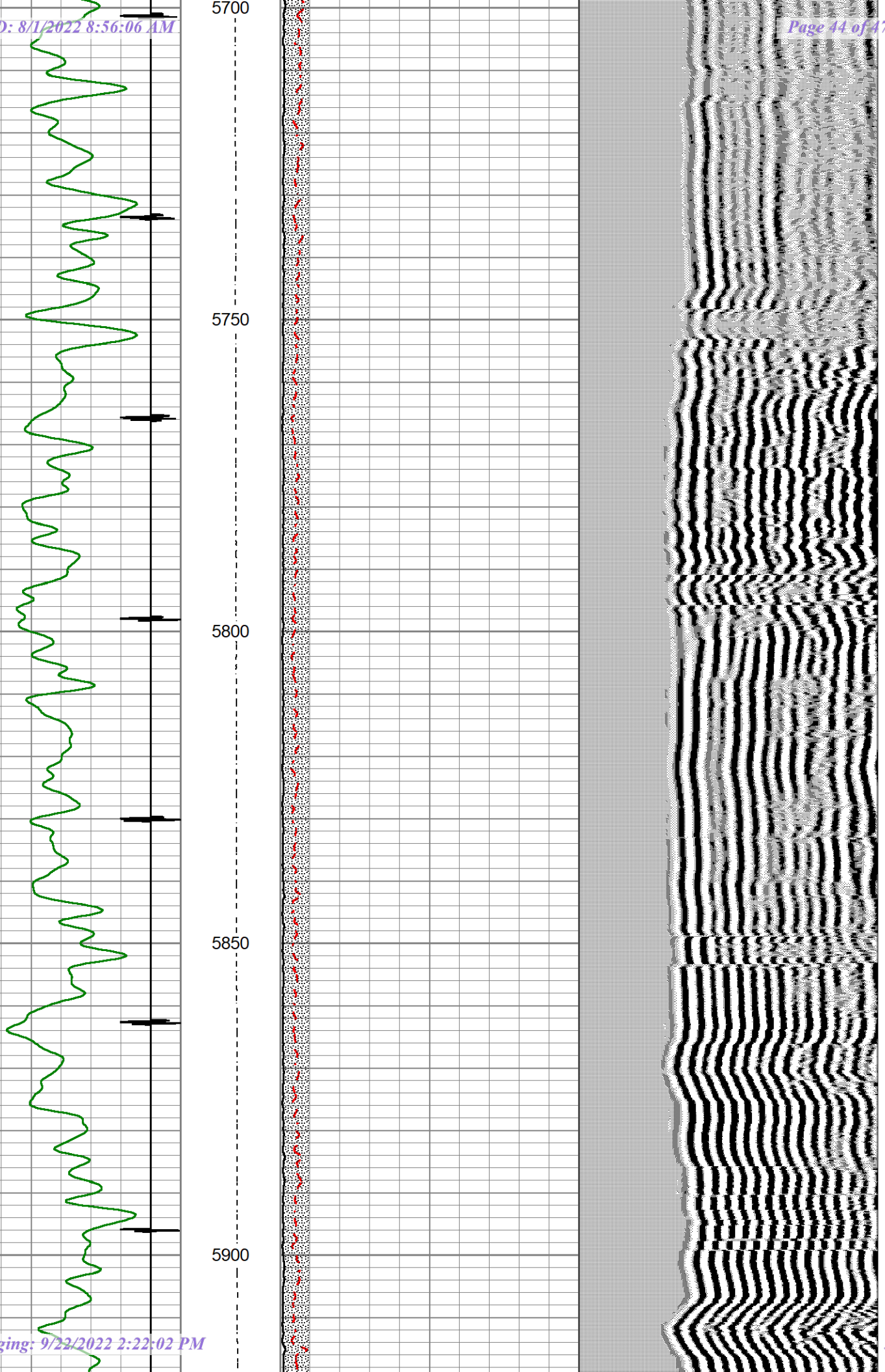




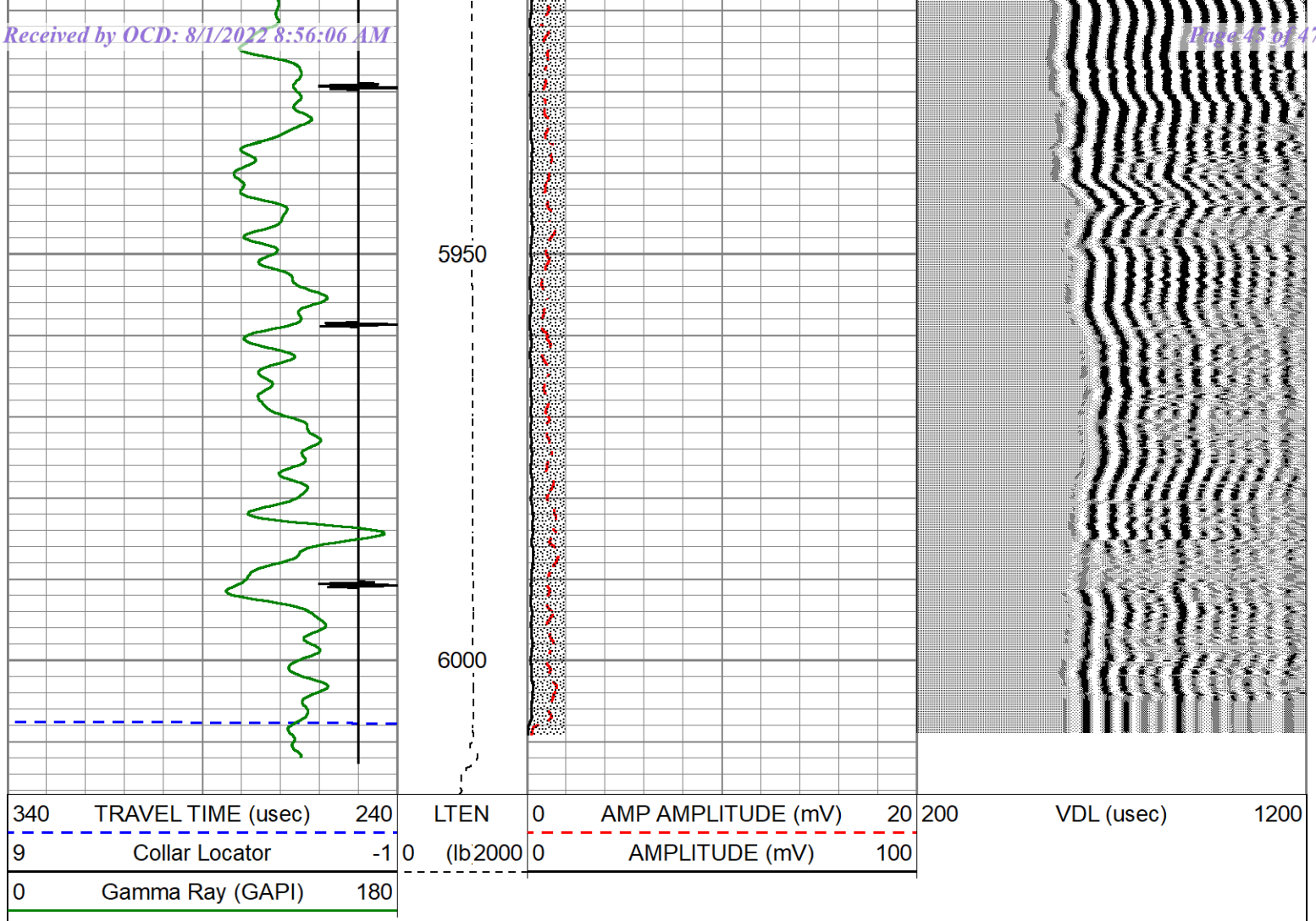












## Calibration Report

Database File ramenta et al #1.db  
 Dataset Pathname pass13.1  
 Dataset Creation Thu Jul 14 17:13:59 2022

## Gamma Ray Calibration Report

Serial Number: 1310-047  
 Tool Model: Probe275Gr  
 Performed: Wed Jun 1 16:33:53 2022

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps  
 Calibrator Reading: 1.0 cps

Sensitivity: 1.0000 GAPI/cps

## Segmented Cement Bond Log Calibration Report

Serial Number: 2.75"  
 Tool Model: Probe275T

Calibration Casing Diameter: 4.500 in  
 Calibration Depth: 3579.139 ft

Master Calibration, performed (Derived):

	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	1.034	0.250	81.196	78.292	0.250
CAL	0.007	1.068				
5'	0.000	0.820	0.250	81.196	98.662	0.250
SUM						
S1	-0.005	1.077	0.000	100.000	92.357	0.498
S2	0.000	1.048	0.000	100.000	95.433	-0.000
S3	0.000	1.045	0.000	100.000	95.661	-0.000
S4	0.000	1.032	0.000	100.000	96.898	-0.000
S5	0.000	1.101	0.000	100.000	90.817	-0.000
S6	0.000	1.148	0.000	100.000	87.080	-0.000
S7	0.000	1.164	0.000	100.000	85.887	-0.000
S8	0.000	1.171	0.000	100.000	85.433	-0.000

Internal Reference Calibration, performed Mon Apr 11 10:16:33 2016:						
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.007	1.068	1.000	0.000

Air Zero Calibration, performed Wed May 11 16:04:44 2016:			
	Raw (v)		Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 130058

CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 130058
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	Well plugged 7/22/22	9/21/2022