

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

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. Marschall
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

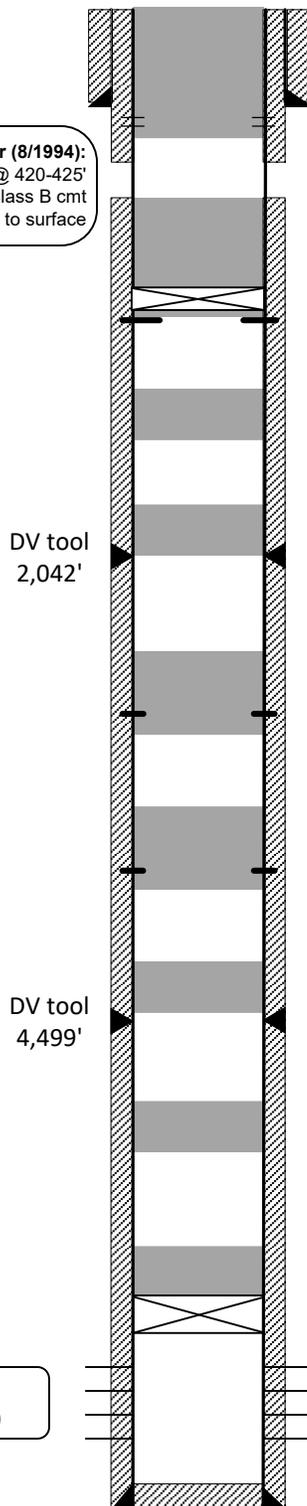
Cement
250sx cement

Casing Repair (8/1994):
Casing leak @ 420-425'
Circulate 209 sx Class B cmt
Circulated 3 bbbls 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
1st Stage: 356 sx cement
2nd Stage: 120sx cement
3rd Stage: 150 sx cement

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



PLUG 9
57 sx cement 0' – 423'
Top off with 12 sx cmt

PLUG 8 (Kirtland, Ojo)
22 sx cement 841' – 1,234'
CICR @ 1,234'
Perf @ 1,258'

PLUG 7 (Fruitland)
12 sx cement 1,415' – 1,608'

PLUG 6 (Pictured Cliffs)
12 sx cement 1,834' – 2,018'

PLUG 5 (Chacra)
19 sx cement 2,740' – 2,988'
Perf @ 2,928'

PLUG 4 (Mesaverde)
20 sx cement 3,427' – 3,647'
Perf @ 3,555' & 3,605'

PLUG 3 (Mancos)
12 sx cement 4,299' – 4,461'

PLUG 2 (Gallup)
12 sx cement 5,373' – 5,486'

PLUG 1 (Dakota)
12 sx cement 6,136' – 6,286'
CICR @ 6,286'

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'

PBTD: 6,629 ft

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 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.

P & A Daily Report



Company: Morningstar Operating
 Well Name: Ramenta Et Al #001
 API #: 30-045-06471
 Date: 7/13/2022

PO Box 538 Farmington, NM 87499 505.327.7301

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 & A Daily Report



Company: Morningstar Operating
 Well Name: Ramenta Et Al #001
 API #: 30-045-06471
 Date: 7/14/2022

PO Box 538 Farmington, NM 87499 505.327.7301

WORK SUMMARY

Checked well pressures(see pressures below). Bled down well. TOO H 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 psi and held pressure. Stung out of CR. Pumped plug #1 from 6,286'-6,109' to cover the Dakota perforations and formation top. TOO H. 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

Depth Set
 6,286'

WELL PRESSURES

Tubing 0 psi
 Casing 0 psi
 Bradenhead 0 psi

P & A Daily Report



Company: Morningstar Operating
 Well Name: Ramenta Et Al #001
 API #: 30-045-06471
 Date: 7/15/2022

PO Box 538 Farmington, NM 87499 505.327.7301

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

<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 5,290'	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

P & A Daily Report



Company: Morningstar Operating
 Well Name: Ramenta Et Al #001
 API #: 30-045-06471
 Date: 7/18/2022

PO Box 538 Farmington, NM 87499 505.327.7301

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		
Plug 5		
Plug 6		
Plug 7		

BRIDGE PLUG/CEMENT RETAINER SUMMARY

Depth Set
 6,286'

WELL PRESSURES

Tubing 0 psi
 Casing 0 psi
 Bradenhead 0 psi

P & A Daily Report



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

PO Box 538 Farmington, NM 87499 505.327.7301

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, TOO H, 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. TOO H to WOC on cement for 4 hours. TIH tagged TOC at 3427'. TOO H and L/D 18 joints. Secured and shut-in for the day. Bill Diers was the BLM inspector on location.

PLUG SUMMARY

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

BRIDGE PLUG/CEMENT RETAINER SUMMARY

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

WELL PRESSURES

Tubing	<u>0 psi</u>
Casing	<u>0 psi</u>
Bradenhead	<u>0 psi</u>

P & A Daily Report



Company: Morningstar Operating
 Well Name: Ramenta Et Al #001
 API #: 30-045-06471
 Date: 7/20/2022

PO Box 538 Farmington, NM 87499 505.327.7301

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 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 #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		

BRIDGE PLUG/CEMENT RETAINER SUMMARY

Depth Set
 6,286'

WELL PRESSURES

Tubing _____ 0 psi
 Casing _____ 0 psi
 Bradenhead _____ 0 psi

P & A Daily Report



Company: Morningstar Operating
 Well Name: Ramenta Et Al #001
 API #: 30-045-06471
 Date: 7/21/2022

PO Box 538 Farmington, NM 87499 505.327.7301

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	<u>6,286'</u> To <u>6,136'</u>	<u>12 sx Type III</u>
Plug 2	<u>5,486'</u> To <u>5,373'</u>	<u>12 sx Type III</u>
Plug 3	<u>4,461'</u> To <u>4,299'</u>	<u>12 sx Type III</u>
Plug 4	<u>3647'</u> To <u>3427'</u>	<u>20 sx Type III</u>
Plug 5	<u>2,988'</u> To <u>2,740'</u>	<u>19 sx Type III</u>
Plug 6	<u>2,018'</u> To <u>1,834'</u>	<u>12 sx Type III</u>
Plug 7	<u>1,608'</u> To <u>1,415'</u>	<u>12 sx Type III</u>
Plug 8	<u>1234'</u> To <u>866'</u>	<u>22 sx Type III</u>

BRIDGE PLUG/CEMENT RETAINER SUMMARY

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

WELL PRESSURES

Tubing	<u>0 psi</u>
Casing	<u>0 psi</u>
Bradenhead	<u>0 psi</u>

P & A Daily Report



Company: Morningstar Operating
 Well Name: Ramenta Et Al #001
 API #: 30-045-06471
 Date: 7/22/2022

PO Box 538 Farmington, NM 87499 505.327.7301

WORK SUMMARY

Checked well pressures (see pressures below). Bled down well. TIH and tagged plug #8 top at 841'. TOO. P/U Packer, TIH, and set packer at 453'. Successfully pressure tested casing to 800#. Released packer and TOO. 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

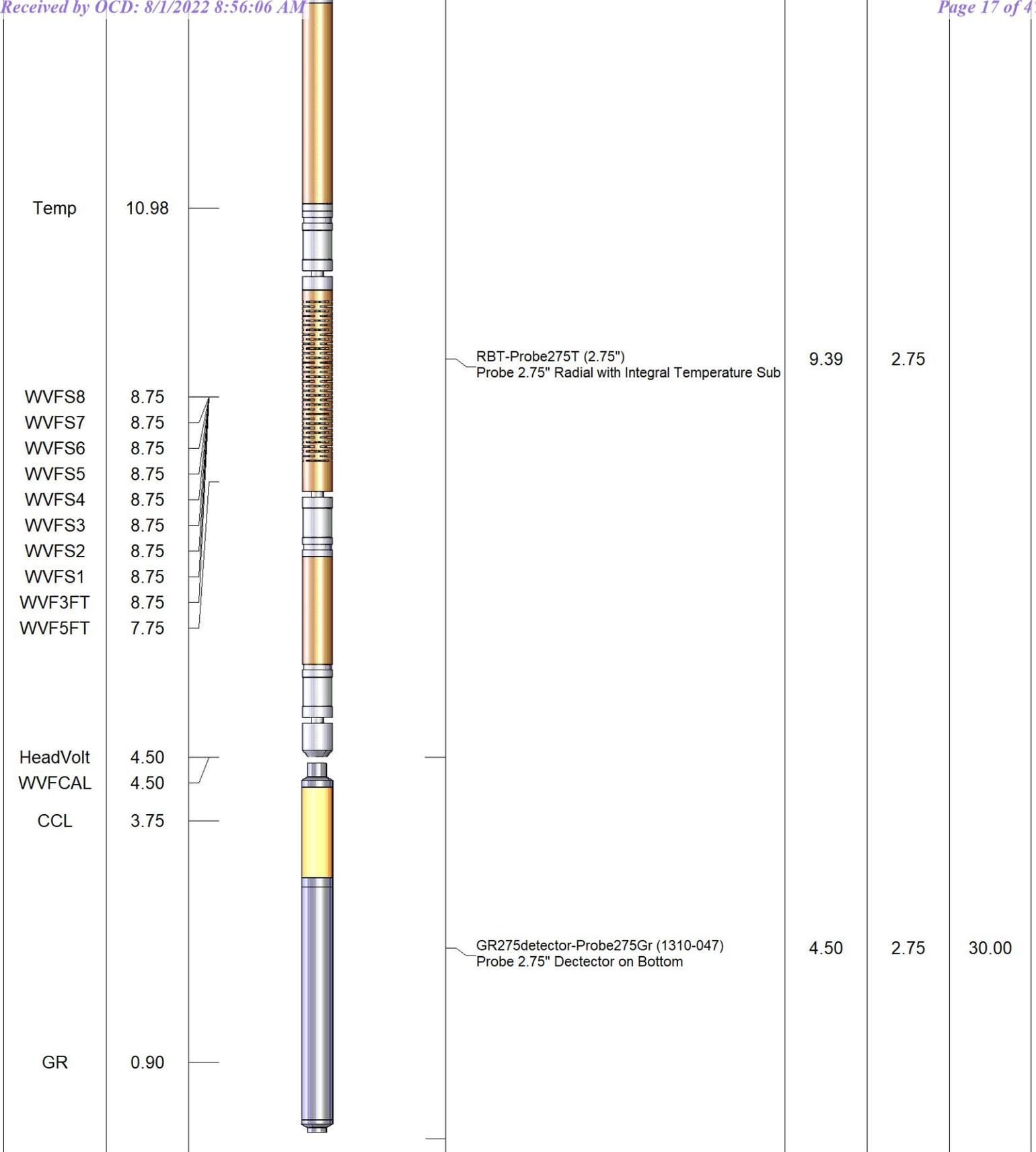
<u>Plug No</u>	<u>Plug Depth</u>	<u>Sacks of Cement Used</u>
Plug 1	6,286' To 6,136'	12 sx Type III
Plug 2	5,486' To 5,373'	12 sx Type III
Plug 3	4,461' To 4,299'	12 sx Type III
Plug 4	3647' To 3427'	20 sx Type III
Plug 5	2,988' To 2,740'	19 sx Type III
Plug 6	2,018' To 1,834'	12 sx Type III
Plug 7	1,608'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

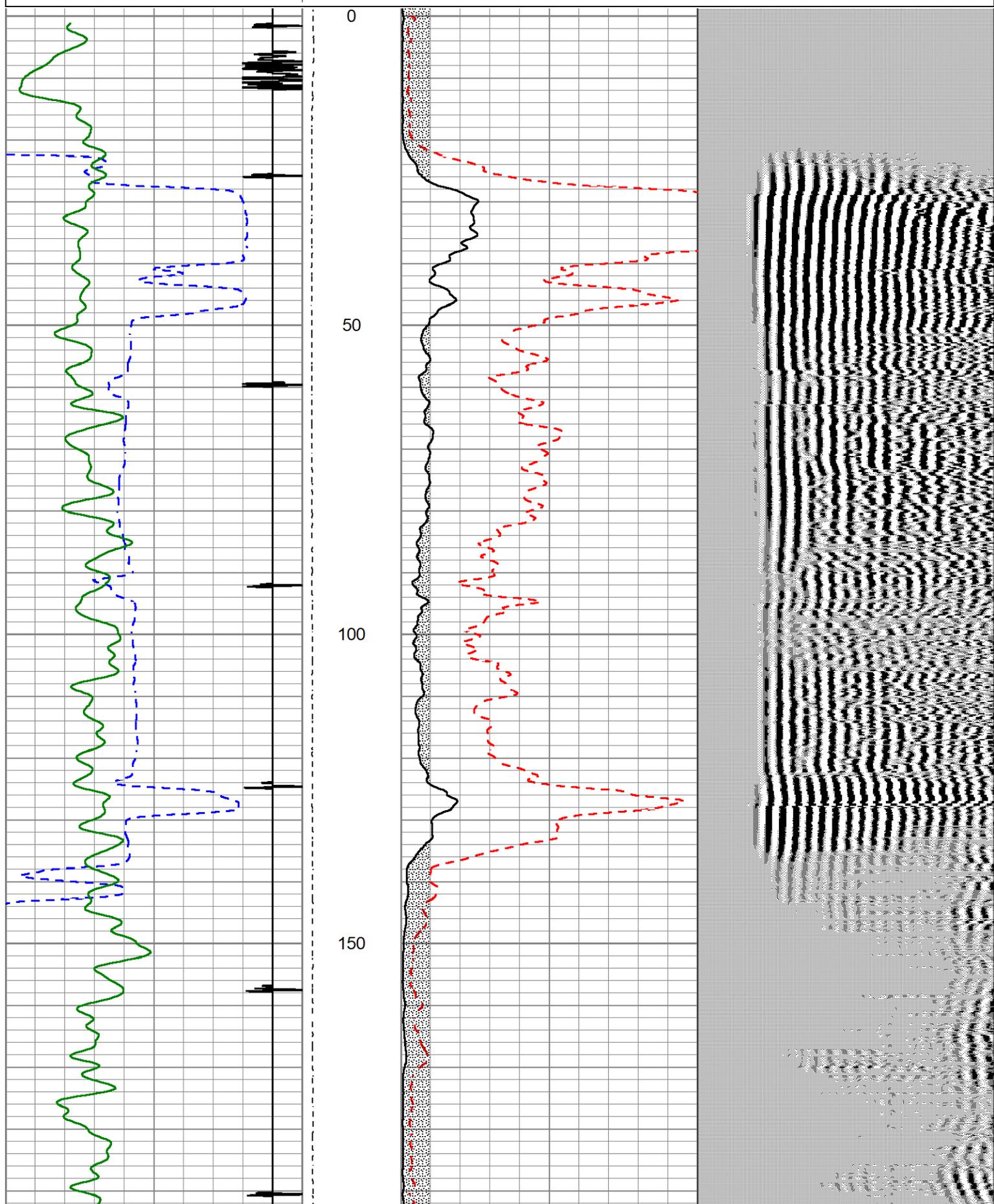
WELL PRESSURES

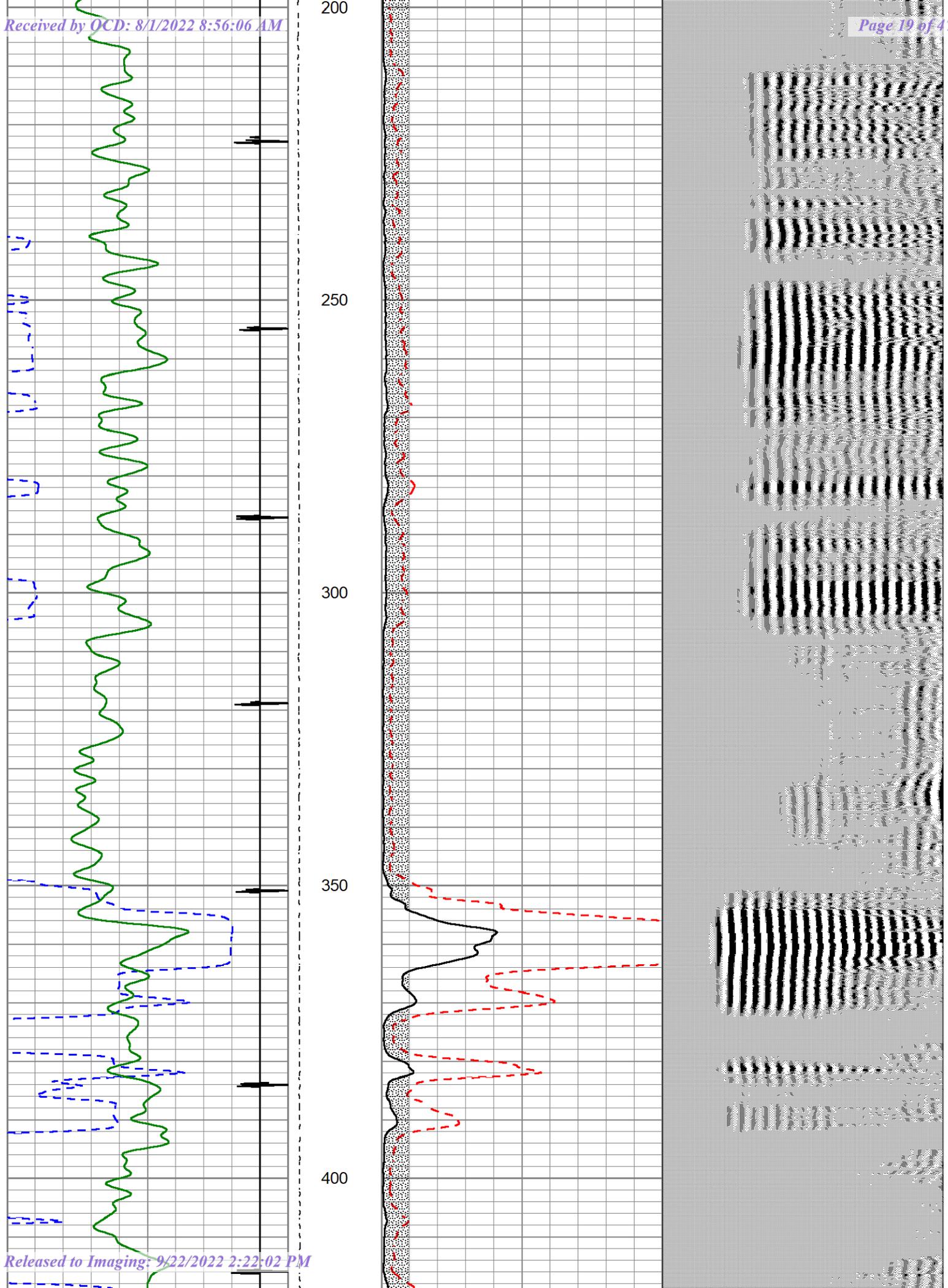
Tubing _____ 0 psi
 Casing _____ 0 psi
 Bradenhead _____ 0 psi

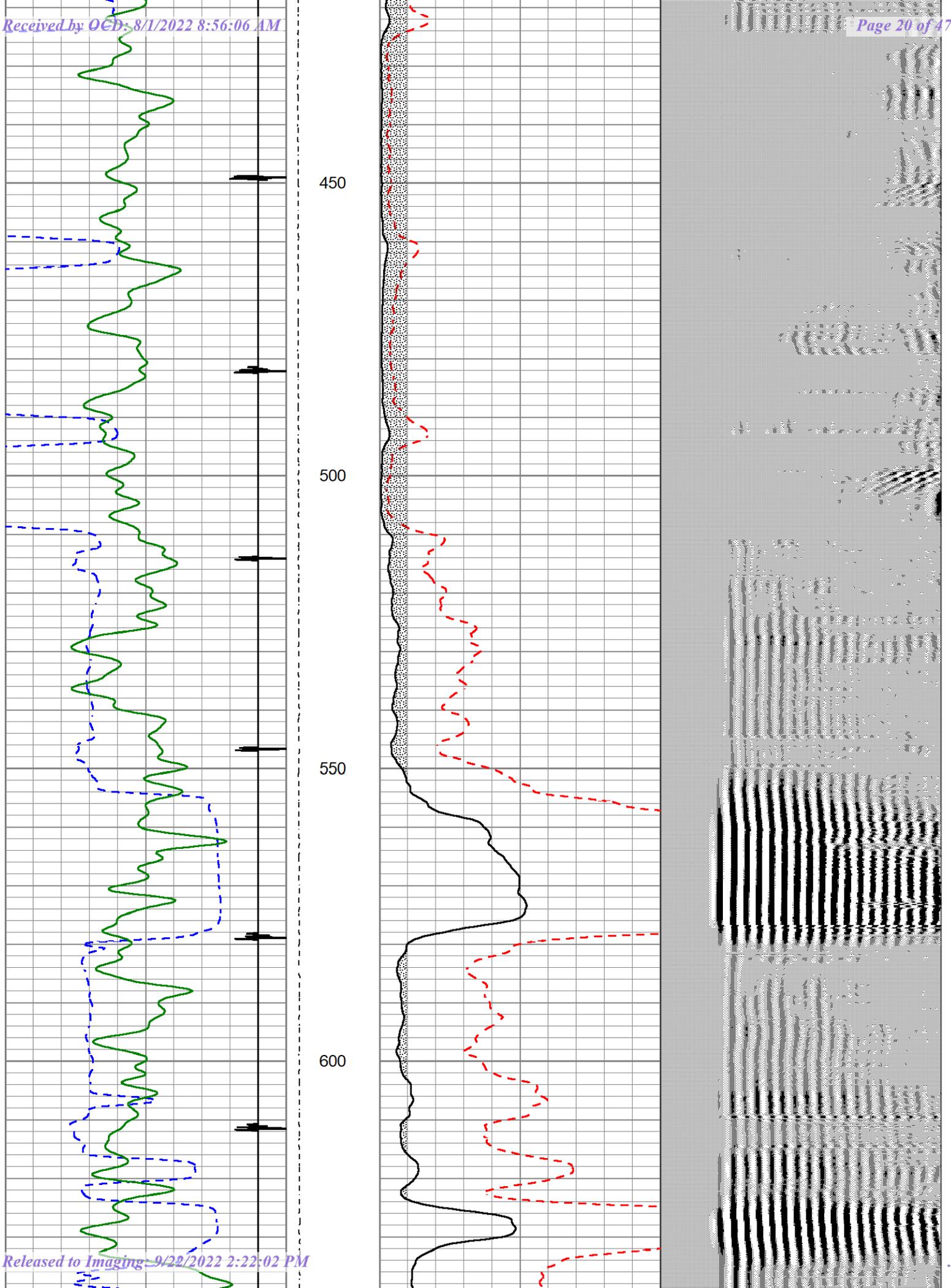


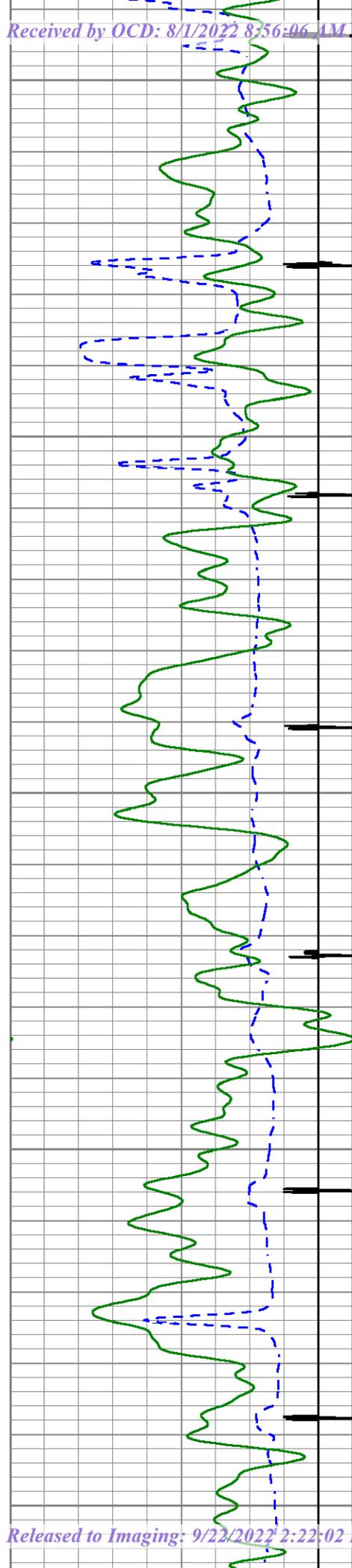
Dataset: ramenta et al #1.db: field/well/run1/pass13.1
 Total length: 14.89 ft
 Total weight: 40.00 lb
 O.D.: 2.75 in

340	TRAVEL TIME (usec)	240	LTEN	0	AMP AMPLITUDE (mV)	20	200	VDL (usec)	1200
9	Collar Locator	-1	(lb2000	0	AMPLITUDE (mV)	100			
0	Gamma Ray (GAPI)	180							









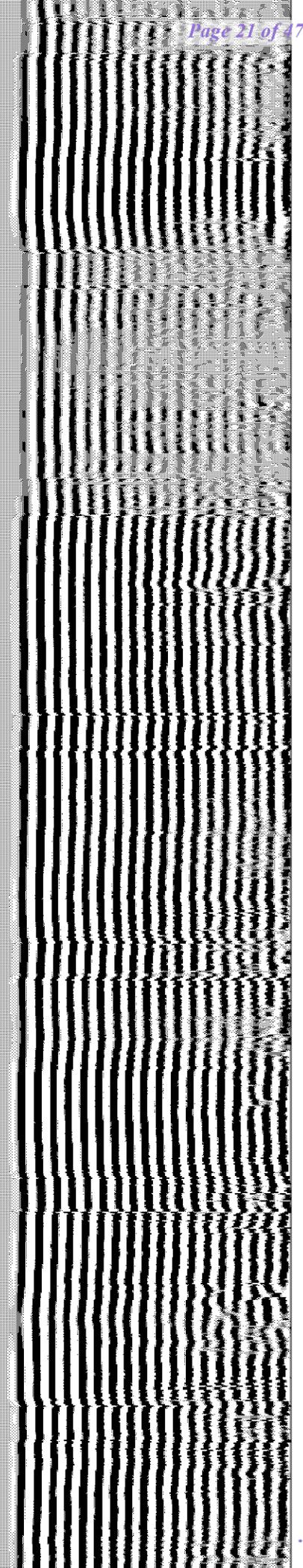
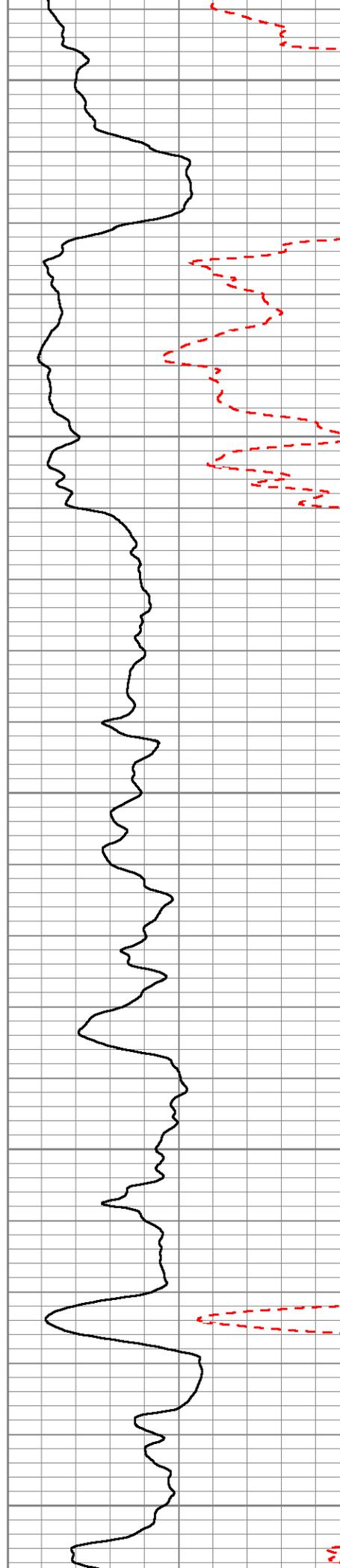
650

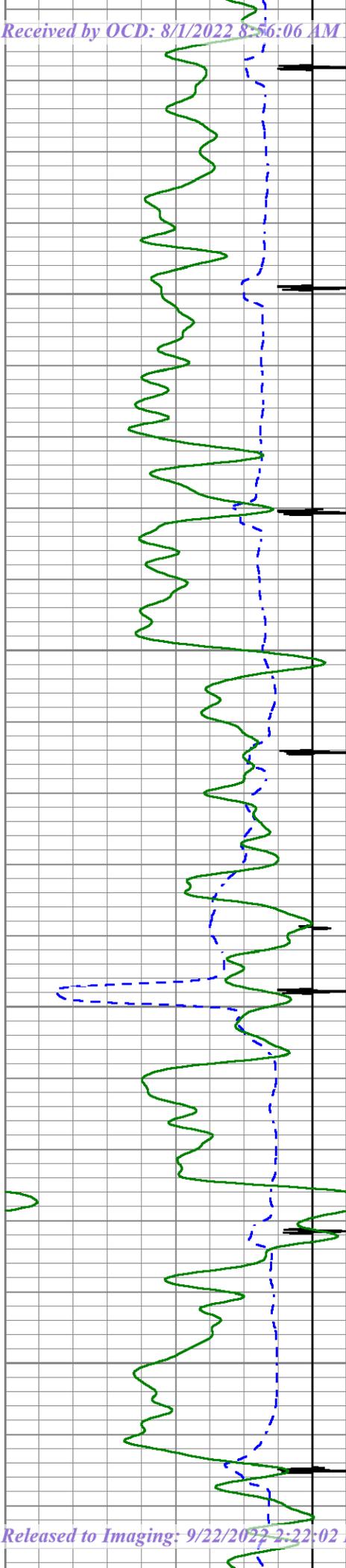
700

750

800

850



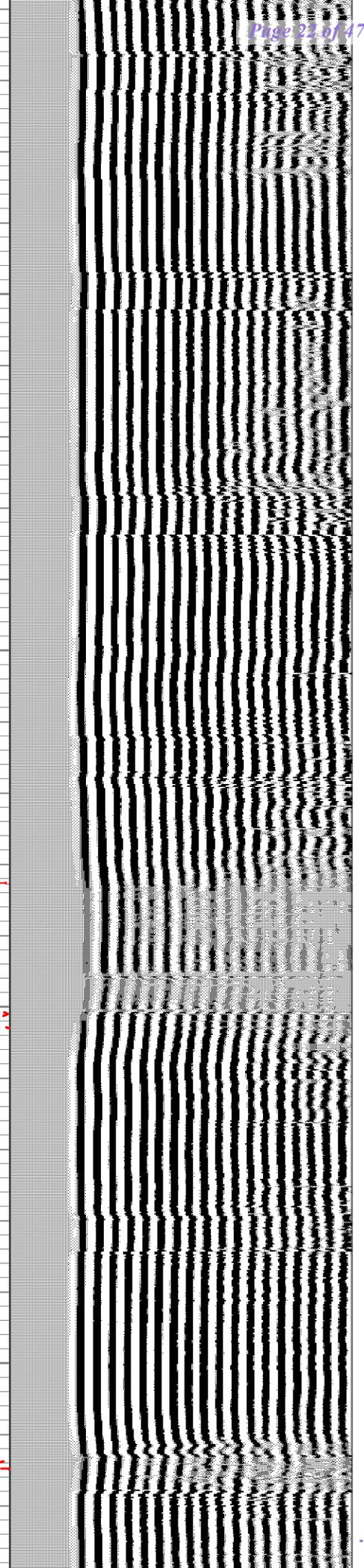
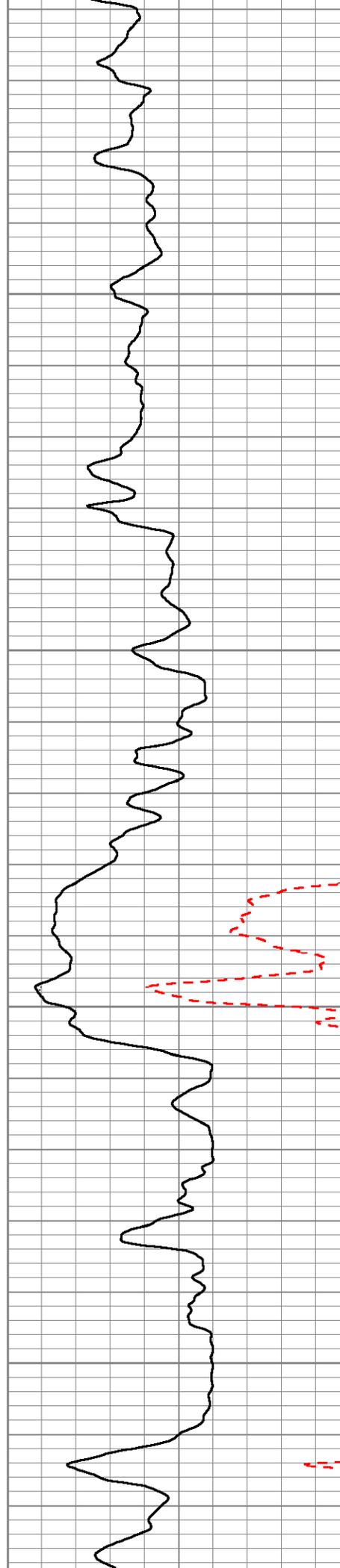


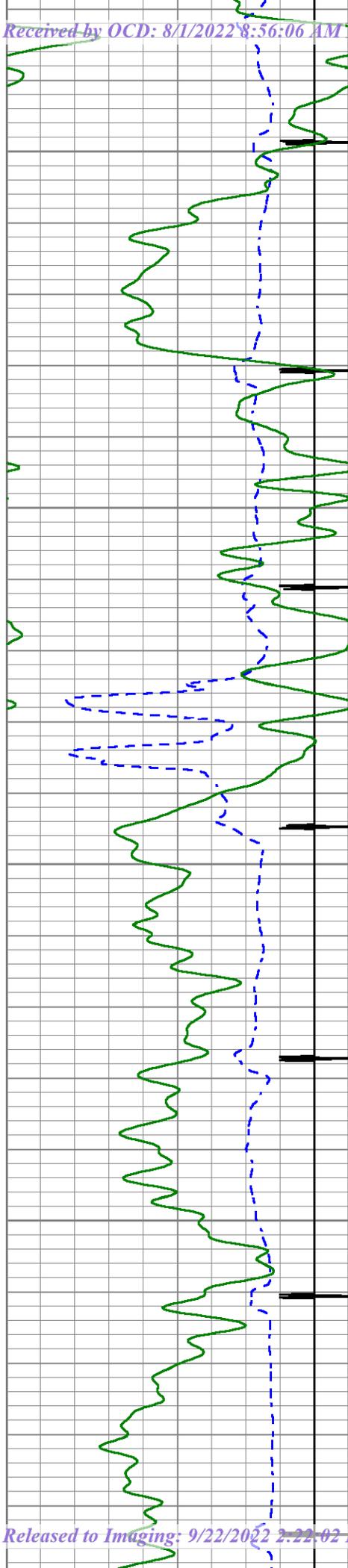
900

950

1000

1050



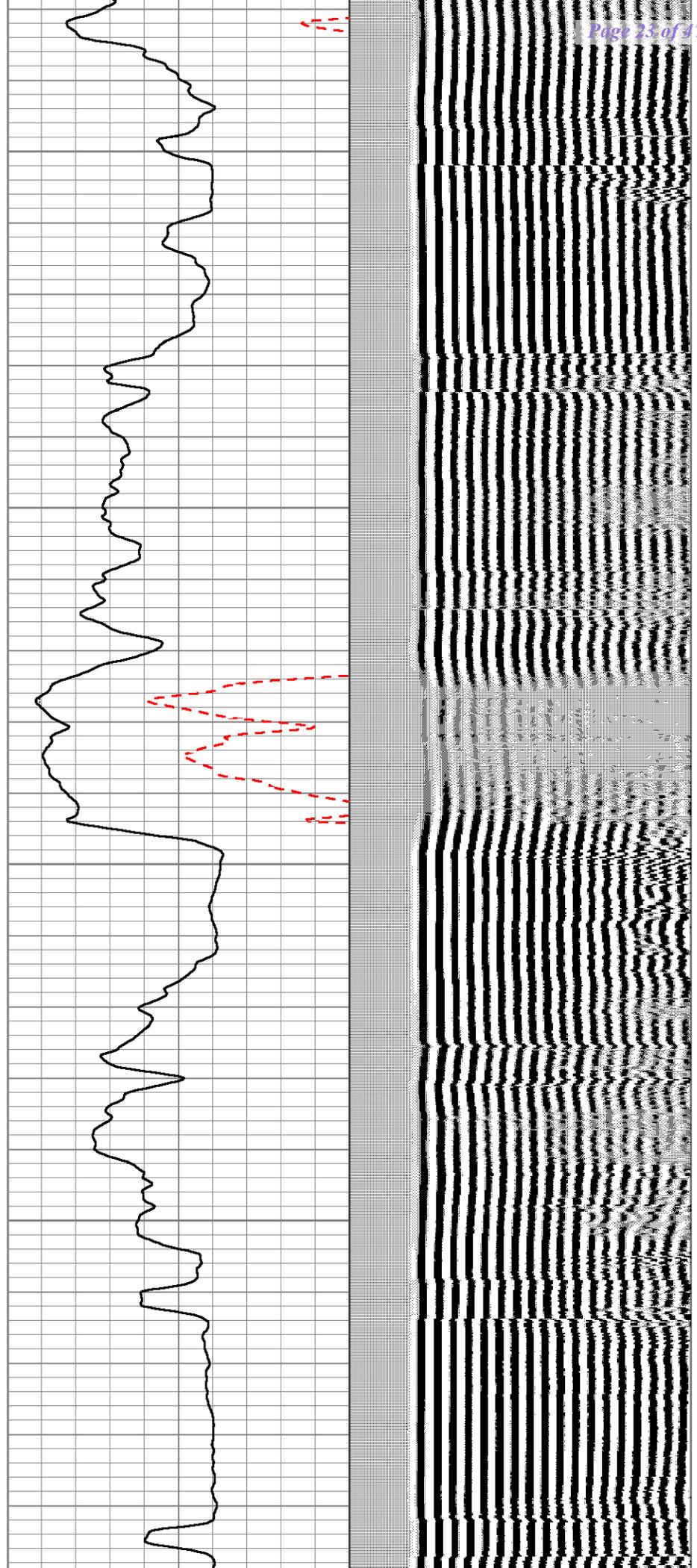


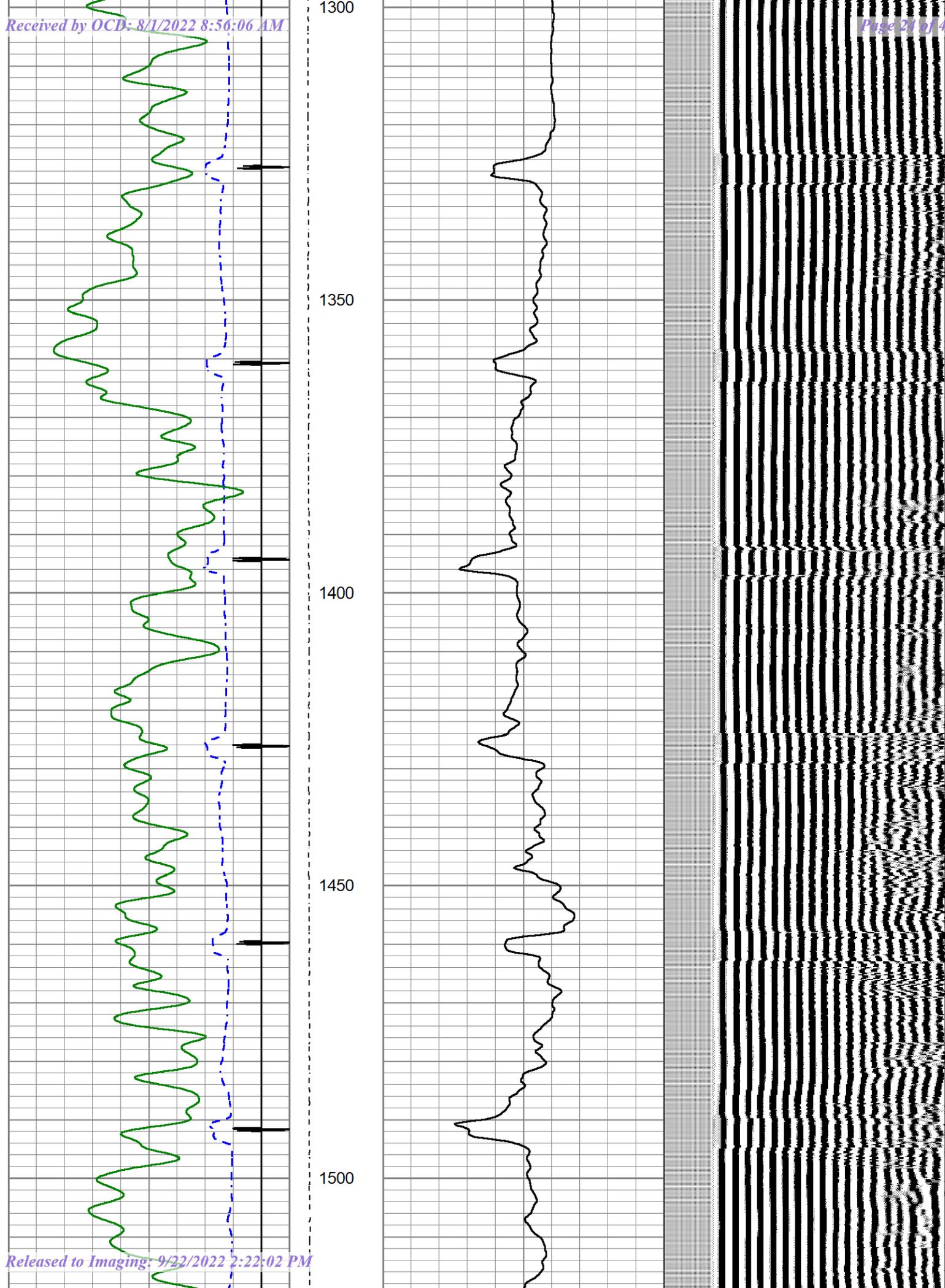
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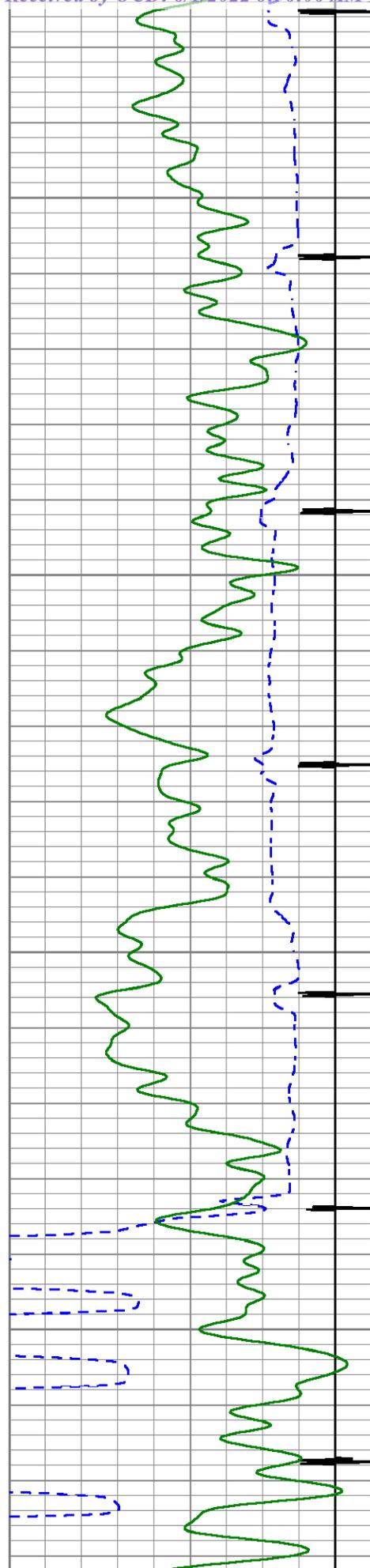
1150

1200

1250





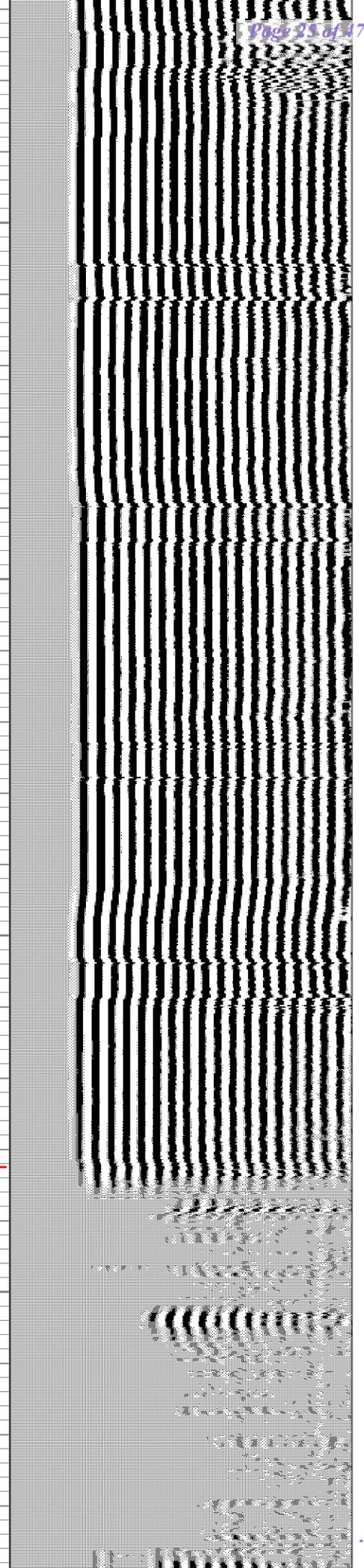
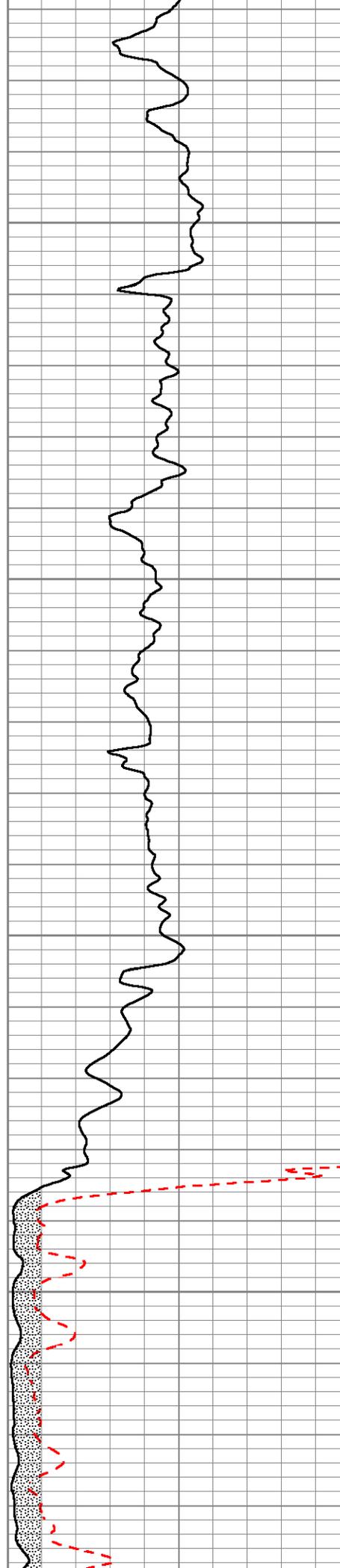


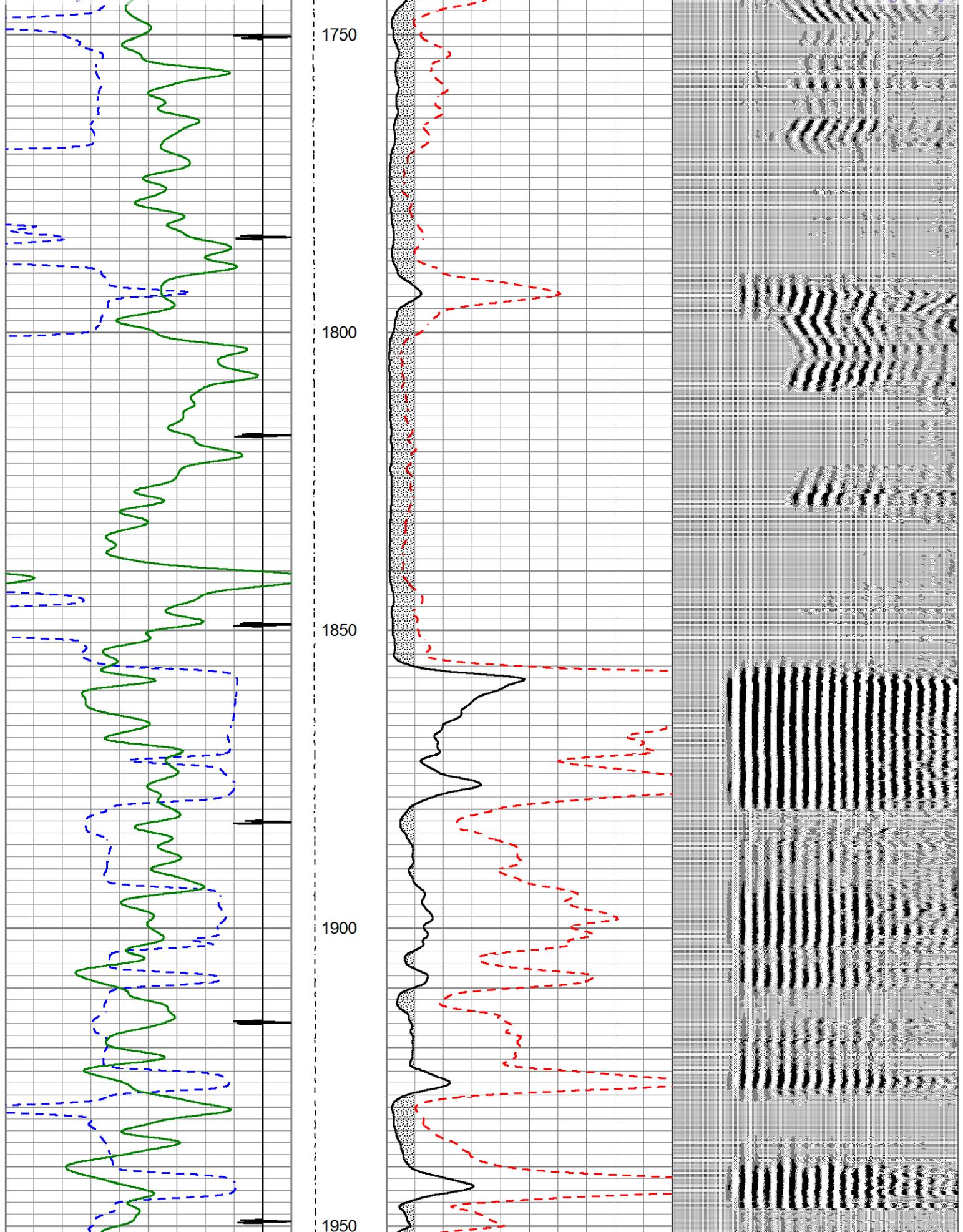
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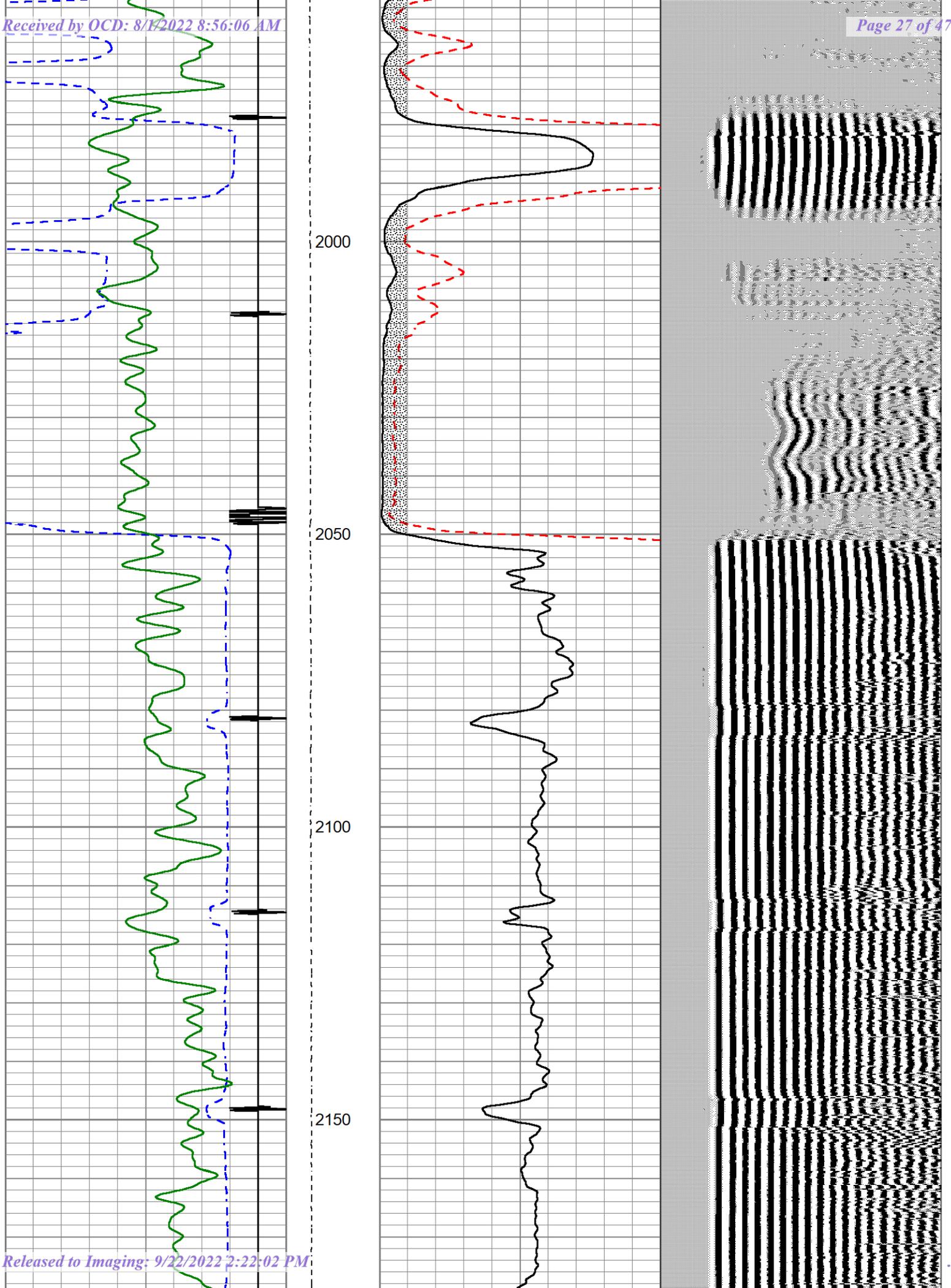
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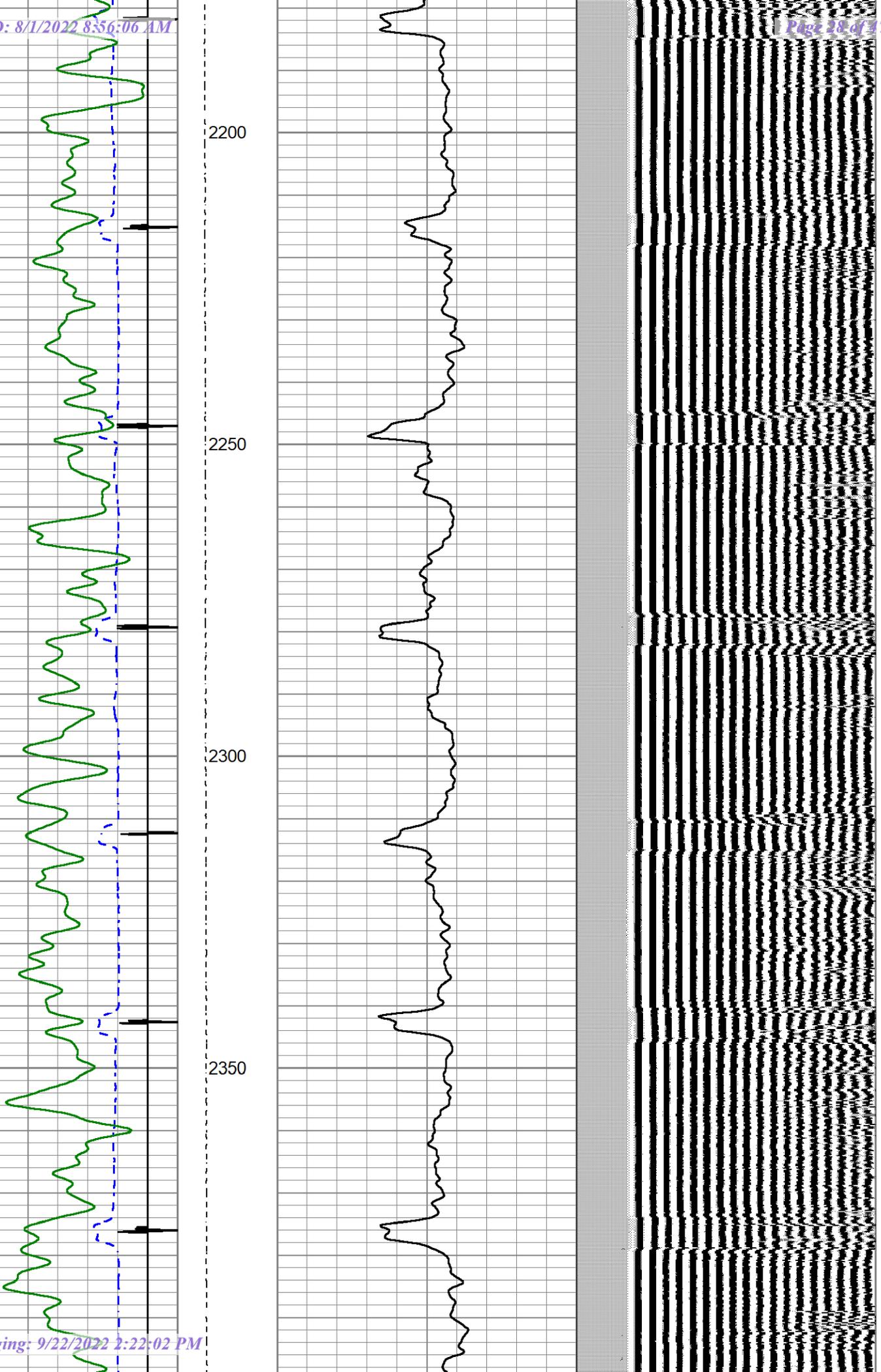
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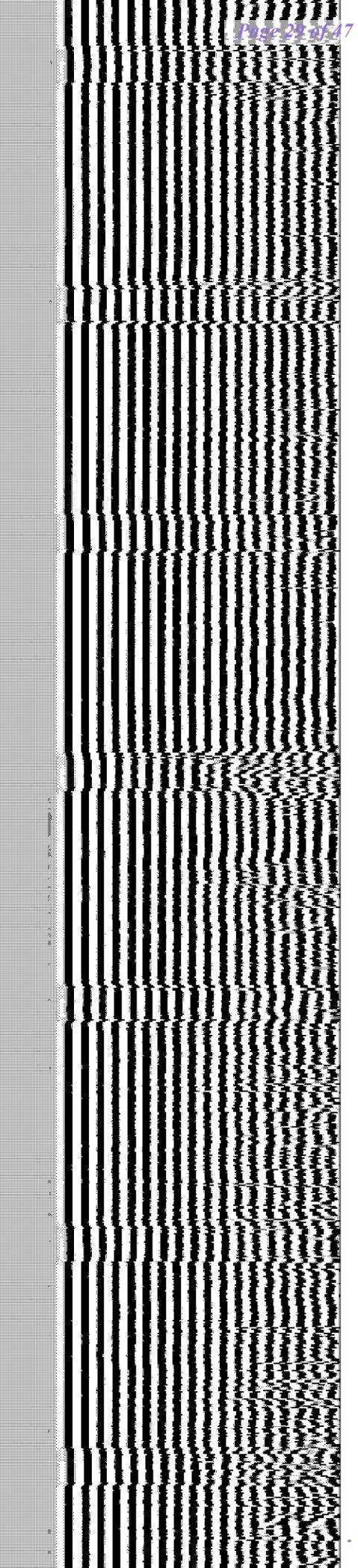
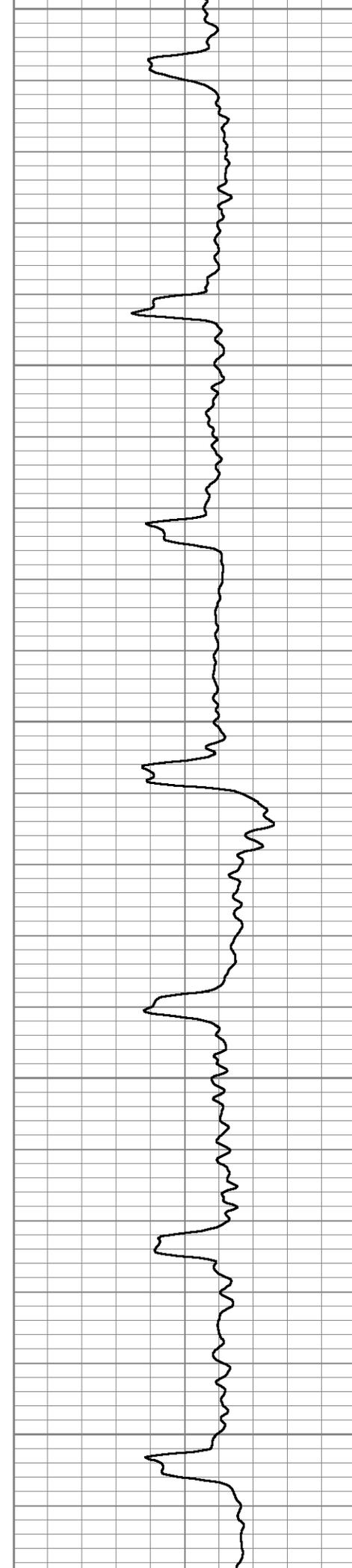
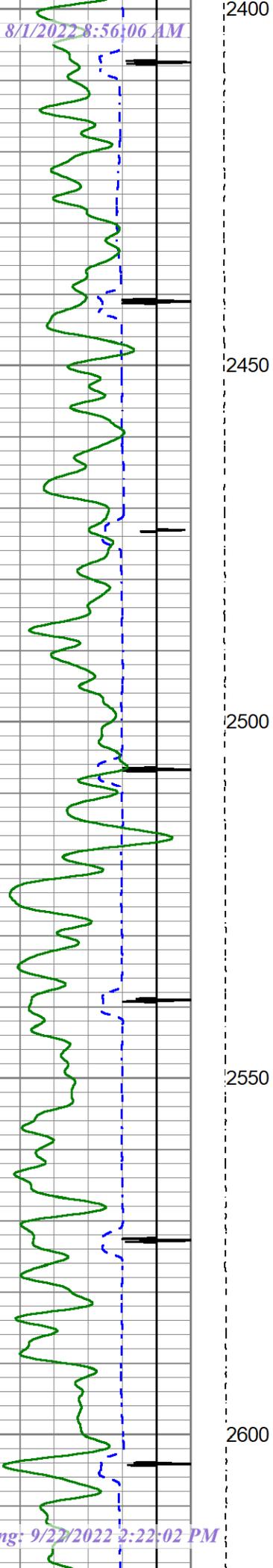
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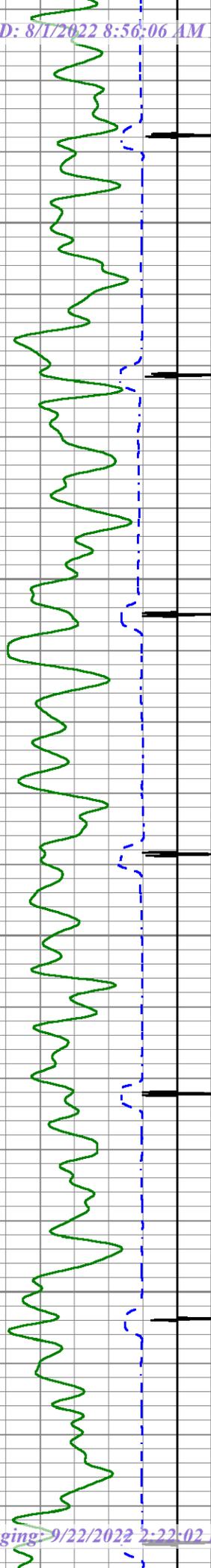










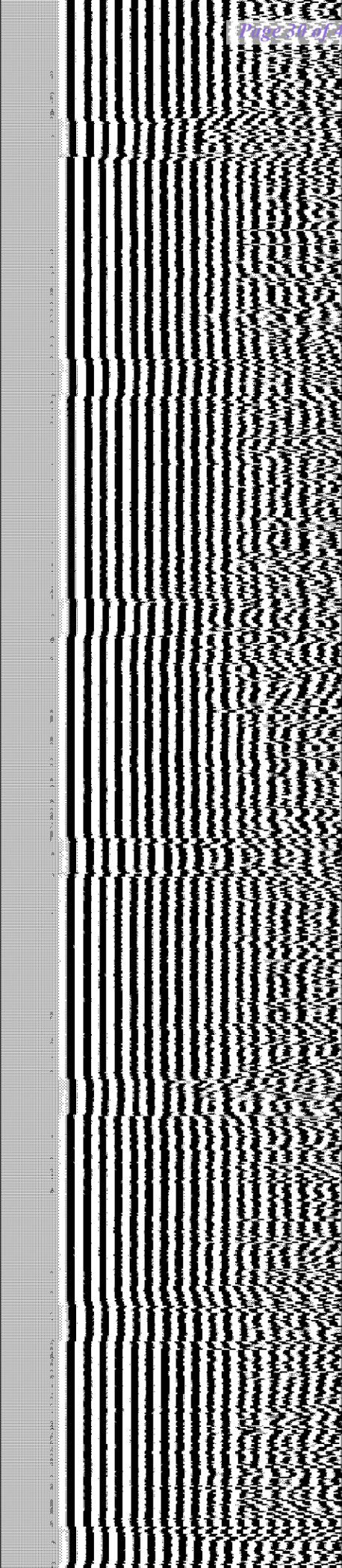
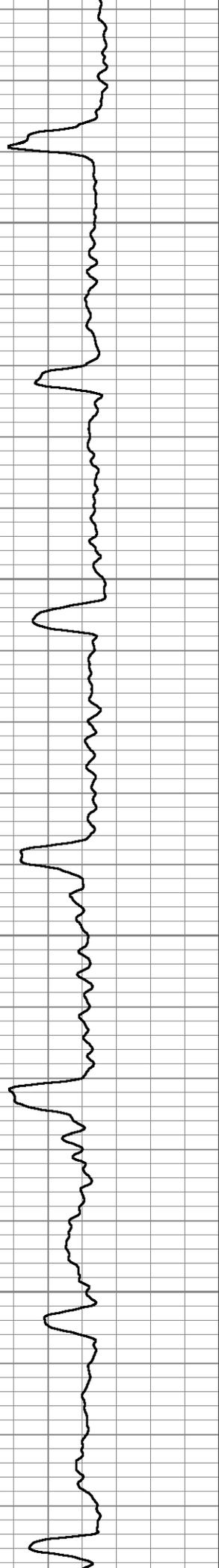


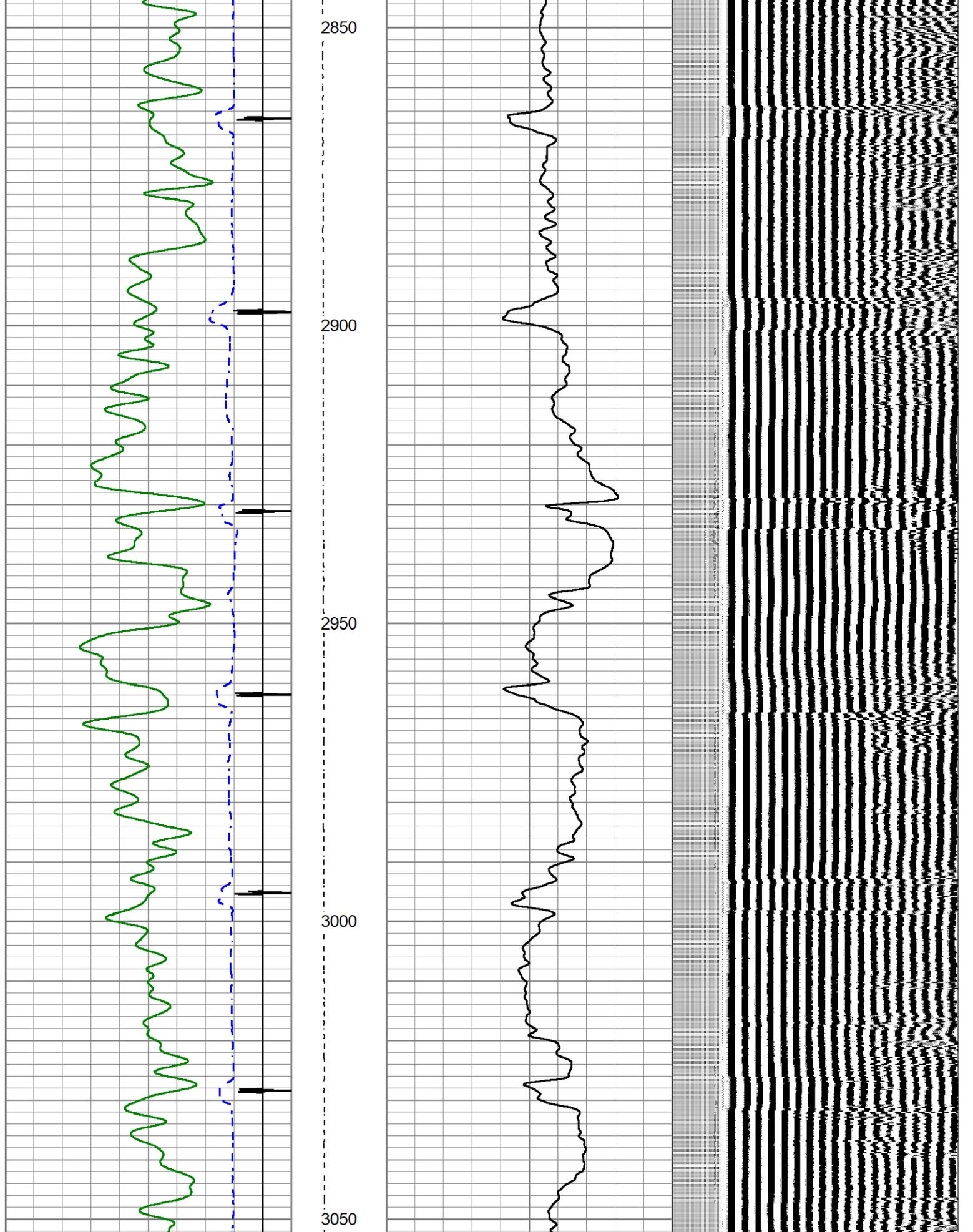
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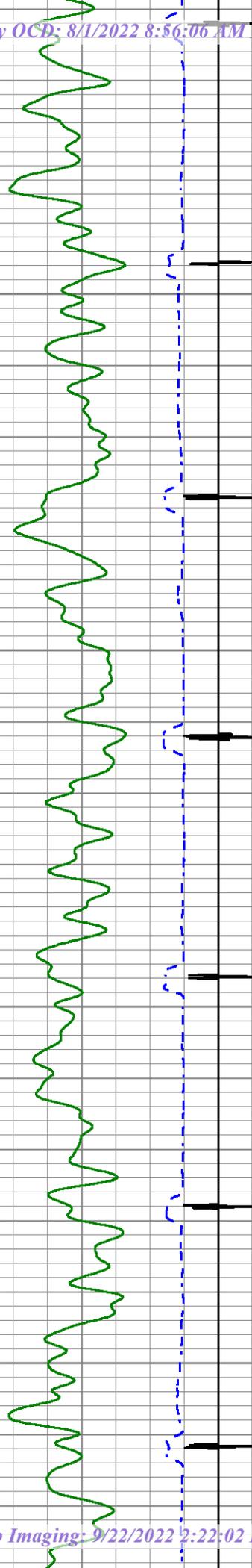
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2750

2800





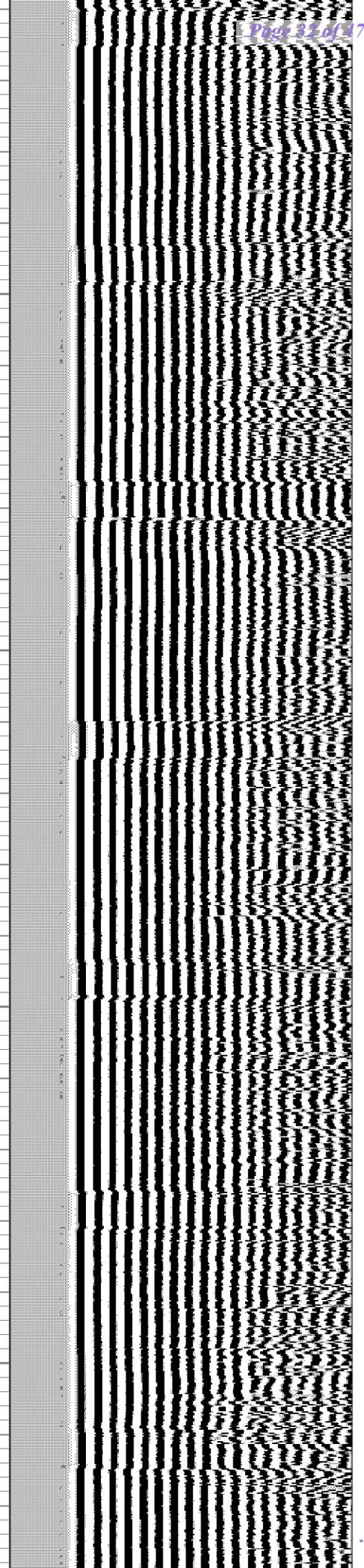


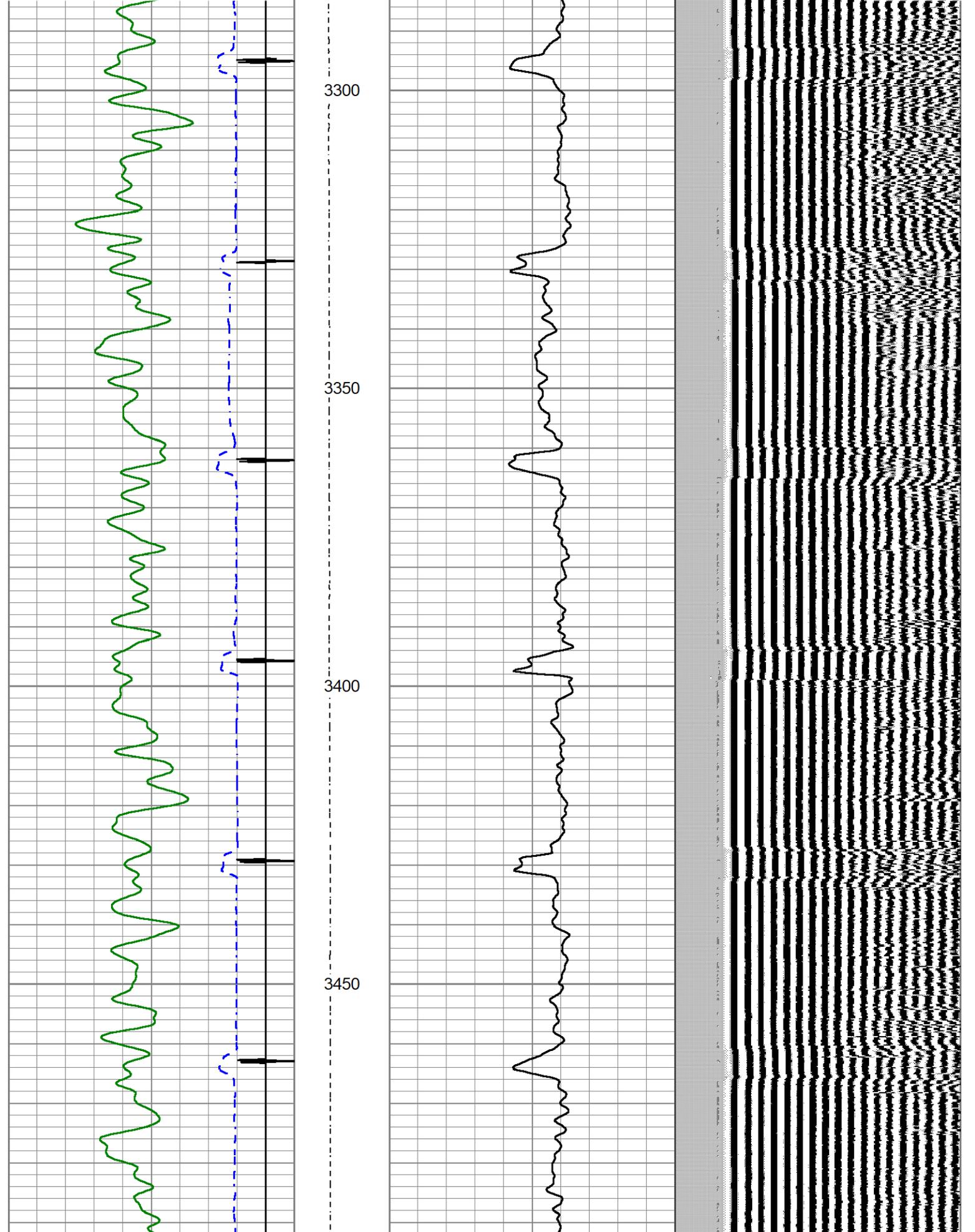
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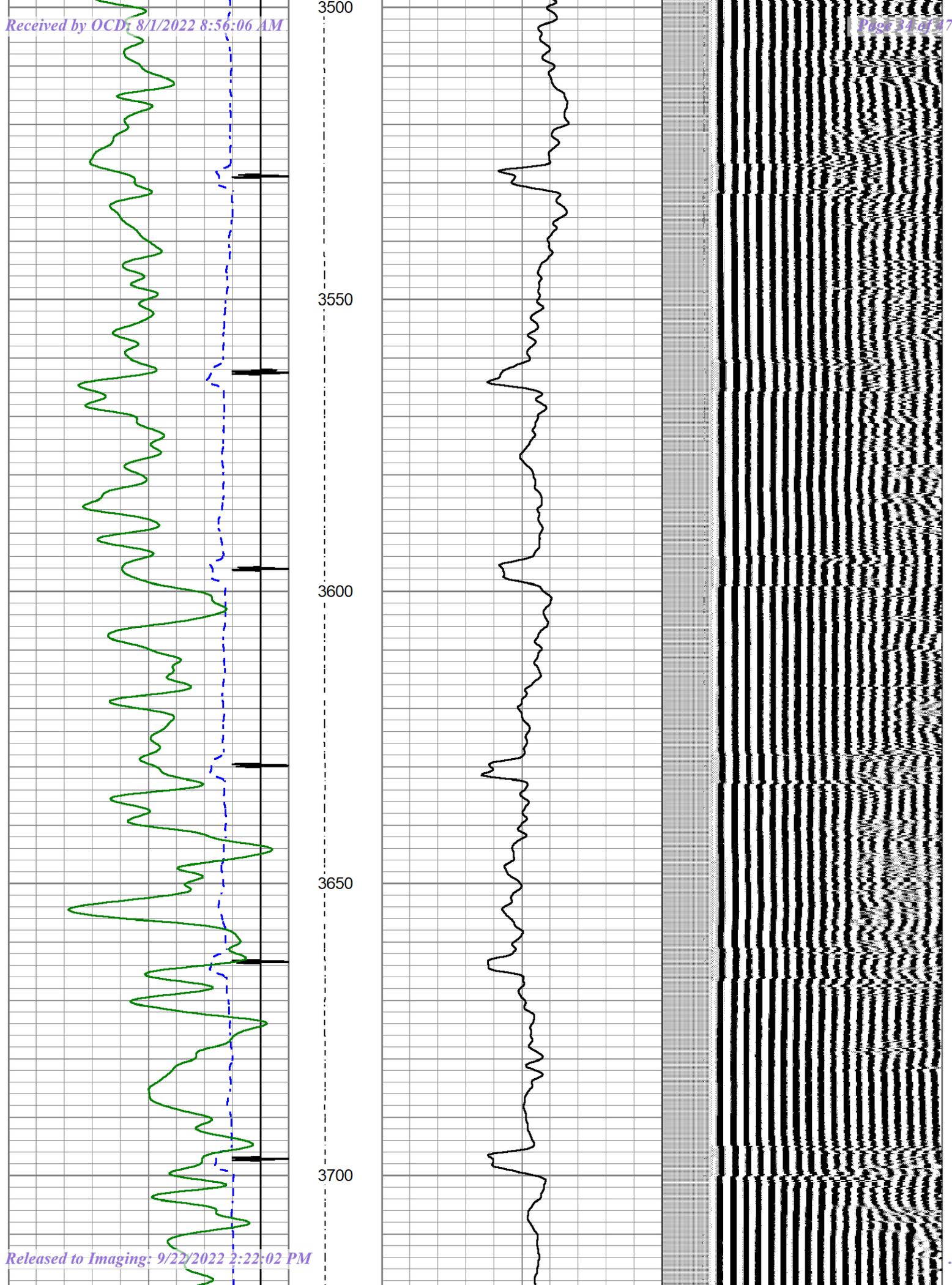
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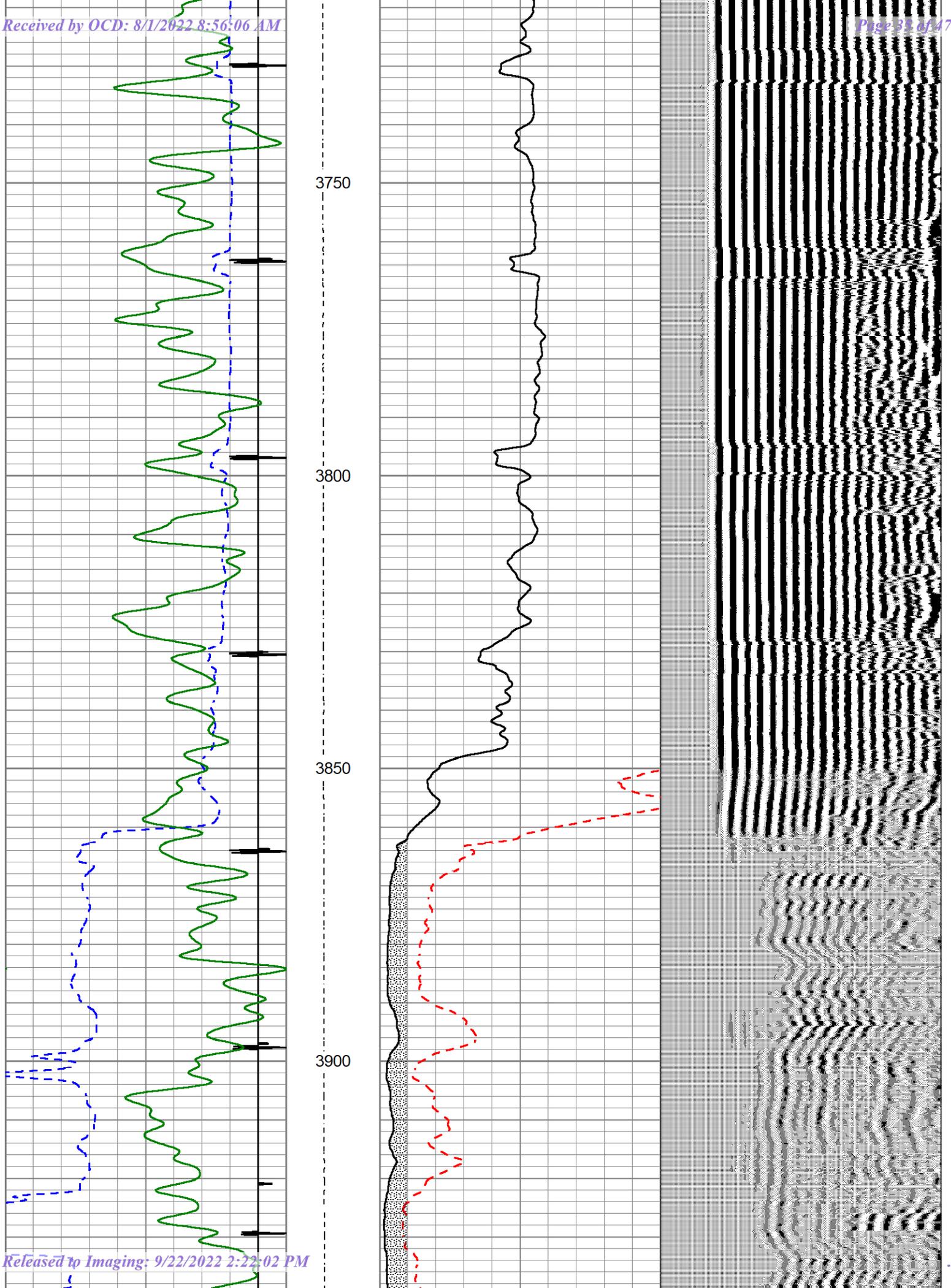
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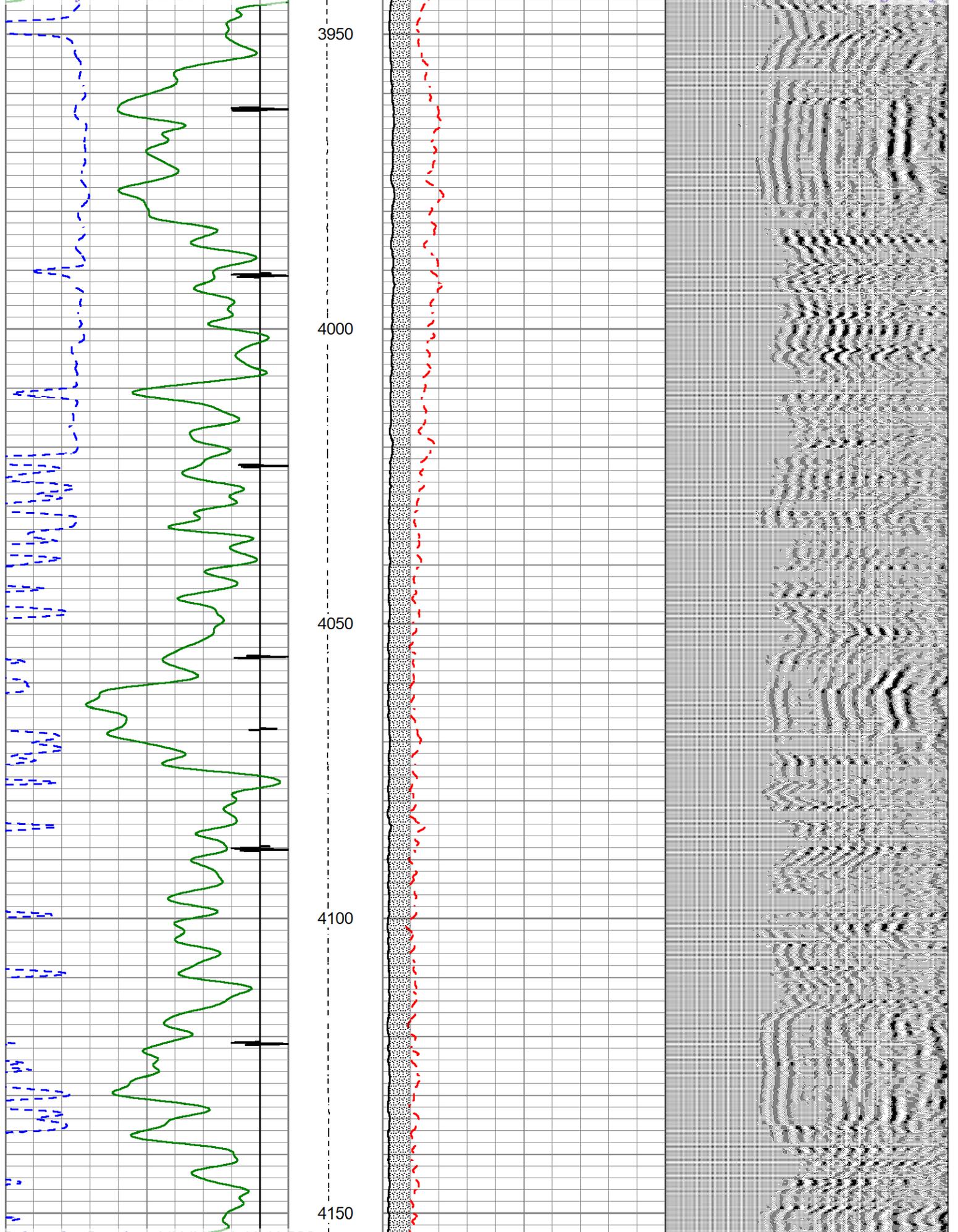
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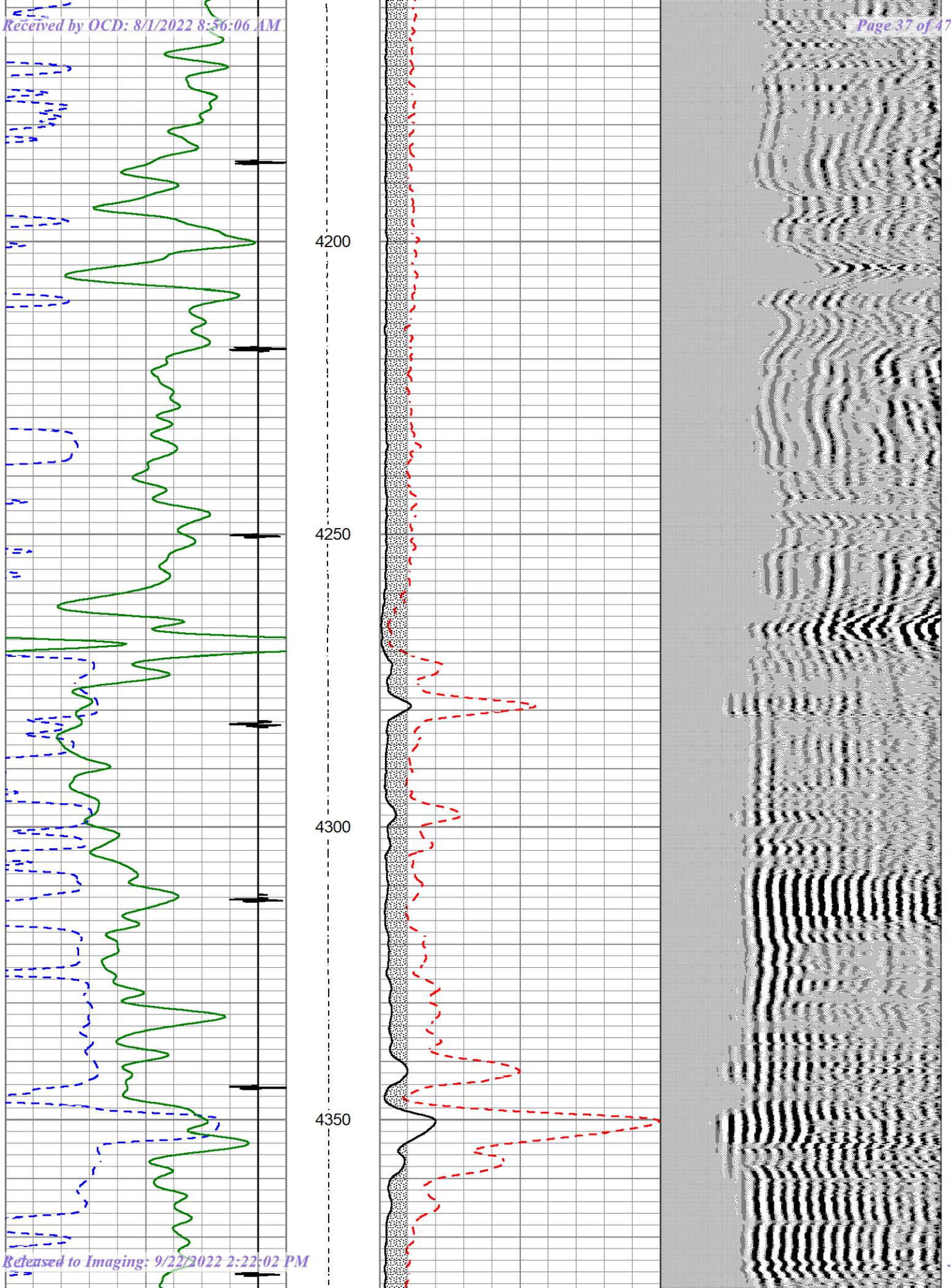


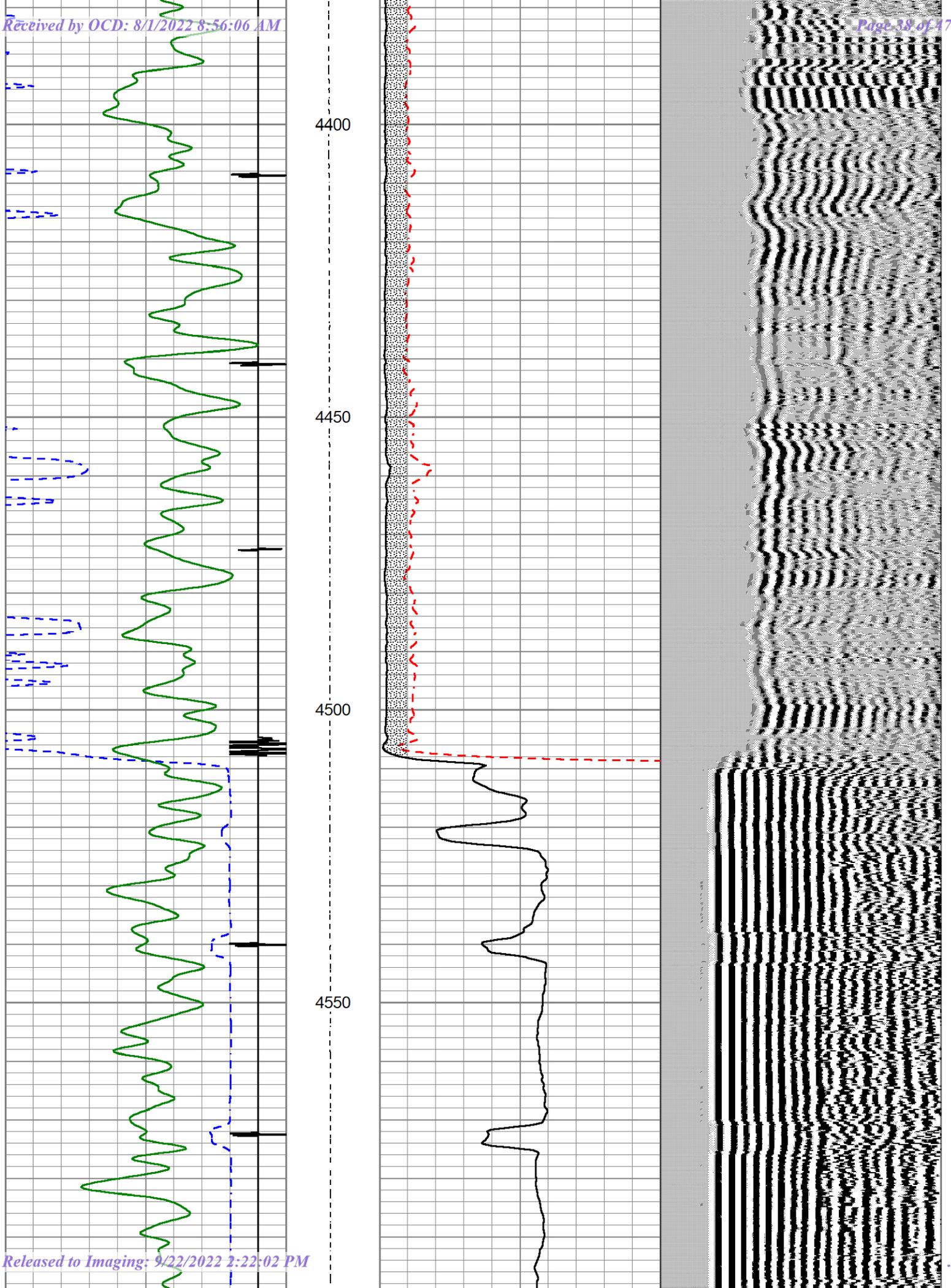


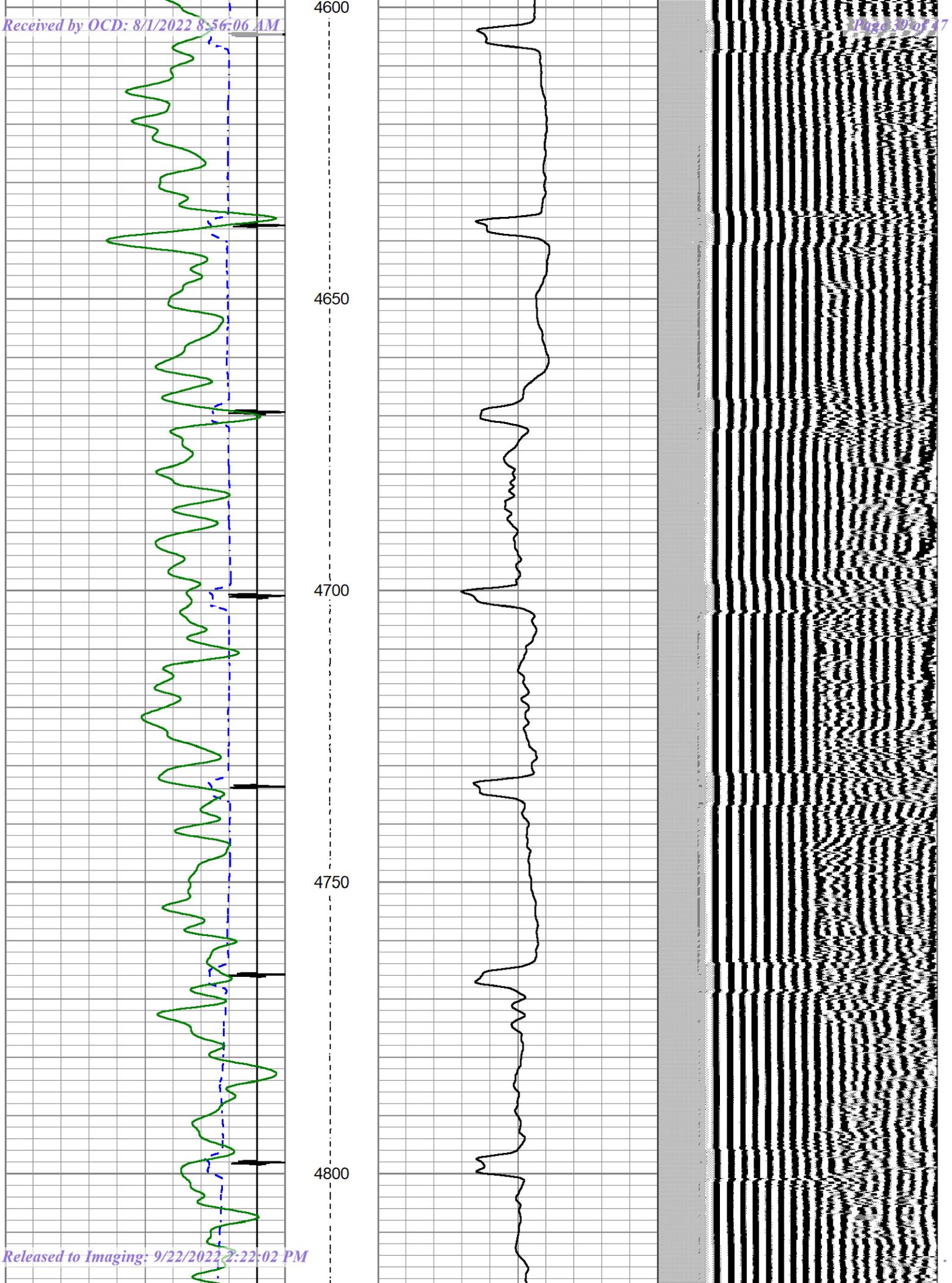


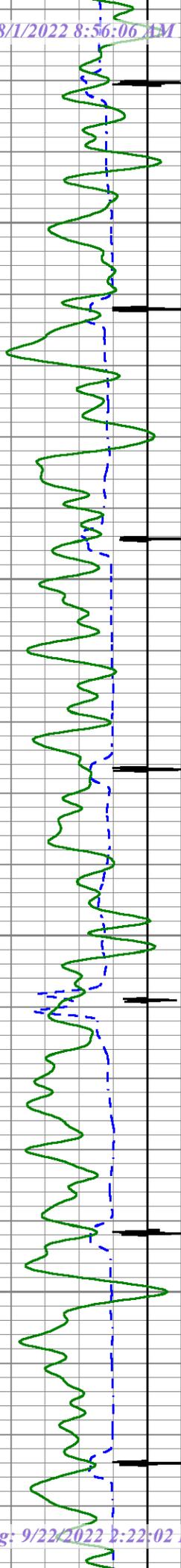










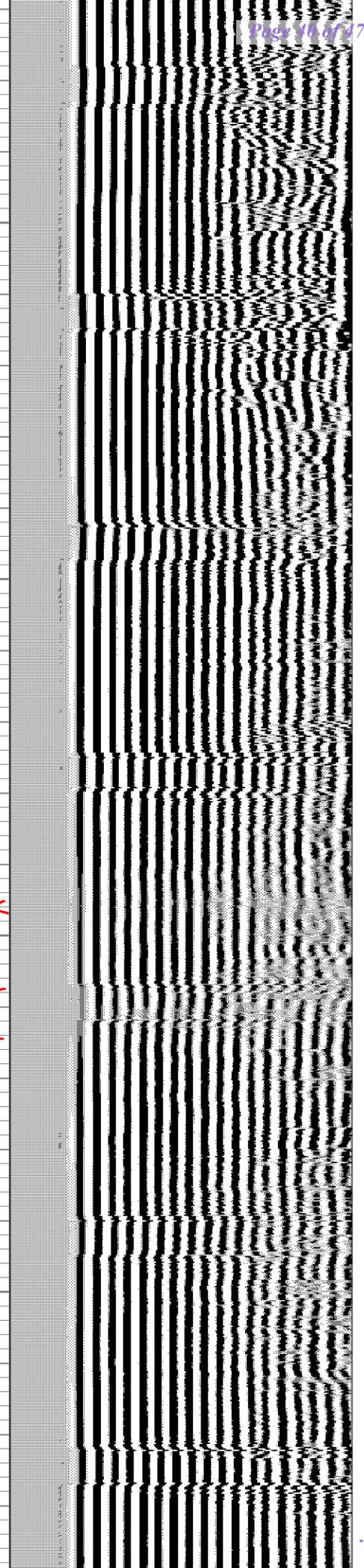
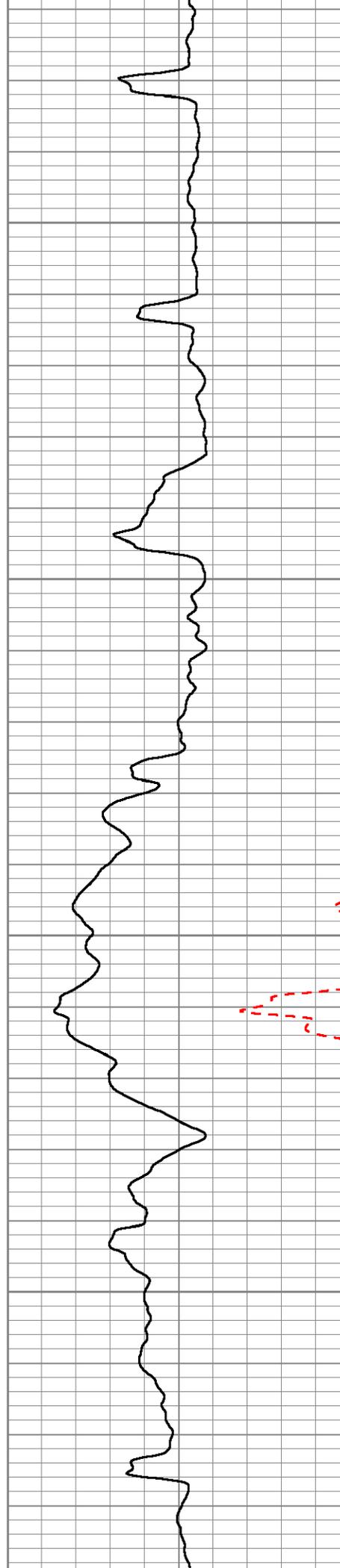


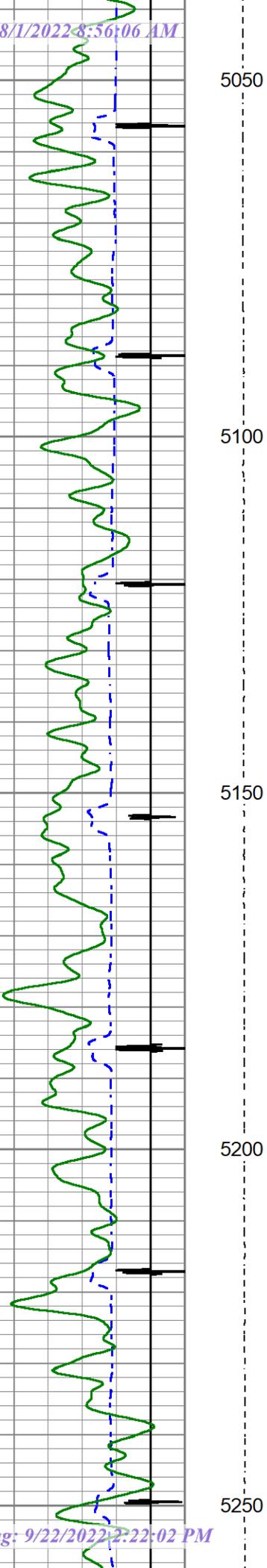
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4900

4950

5000





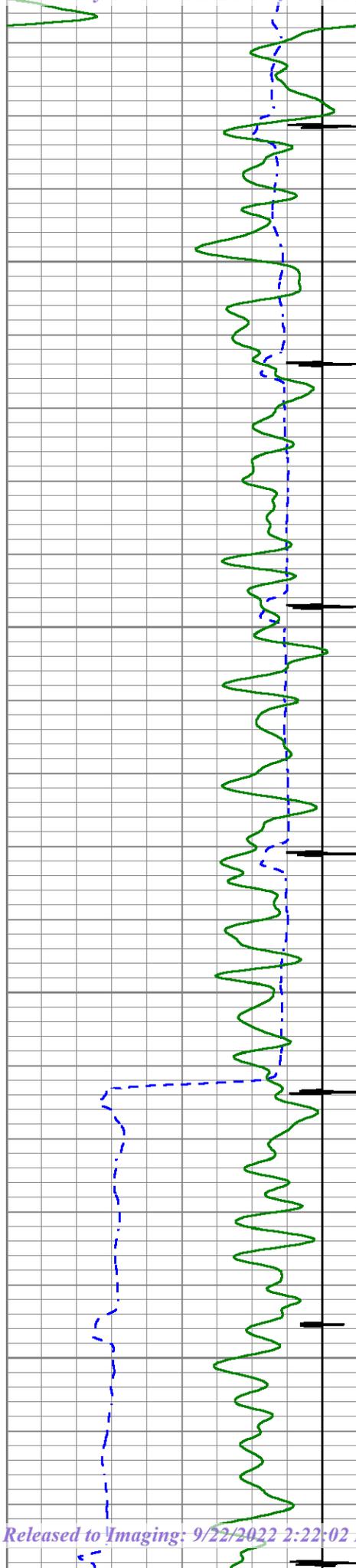
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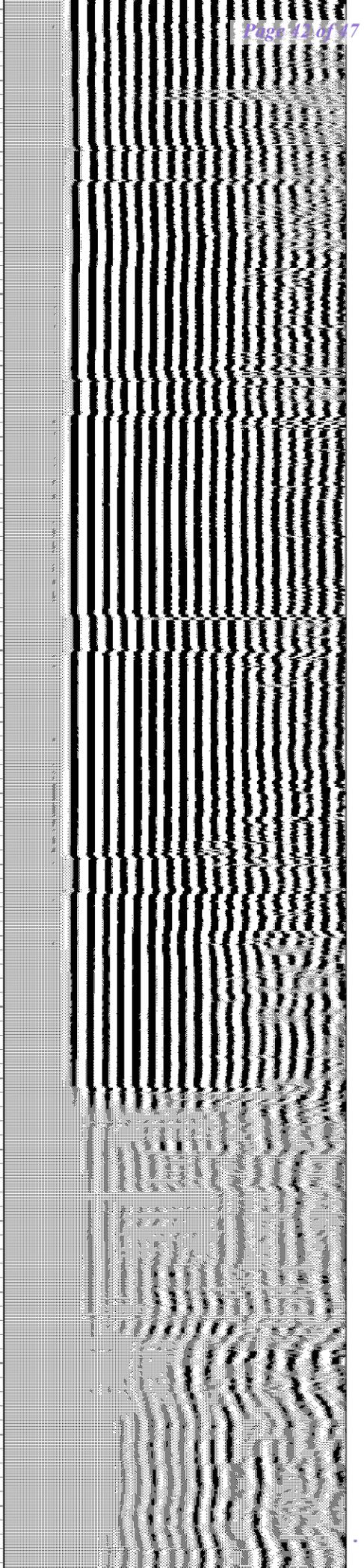
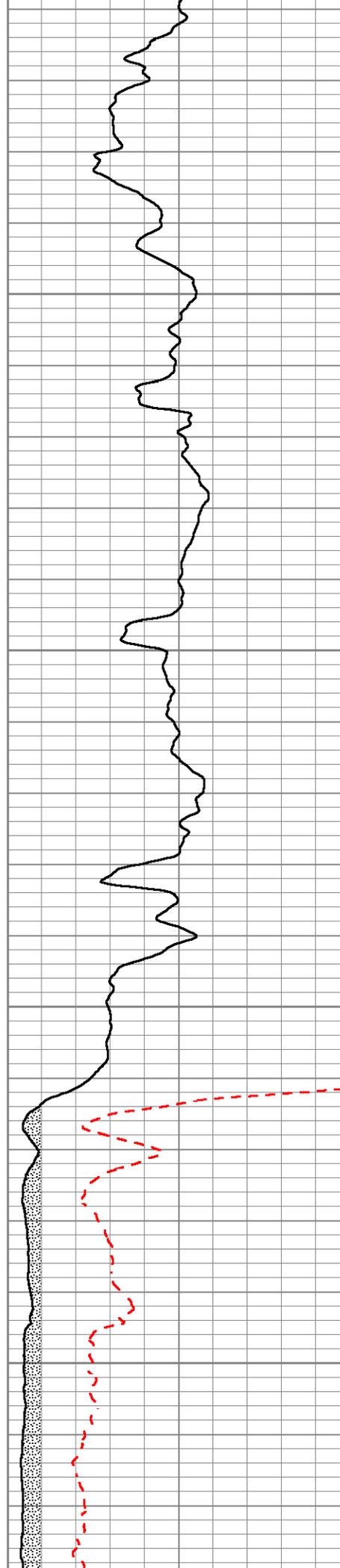


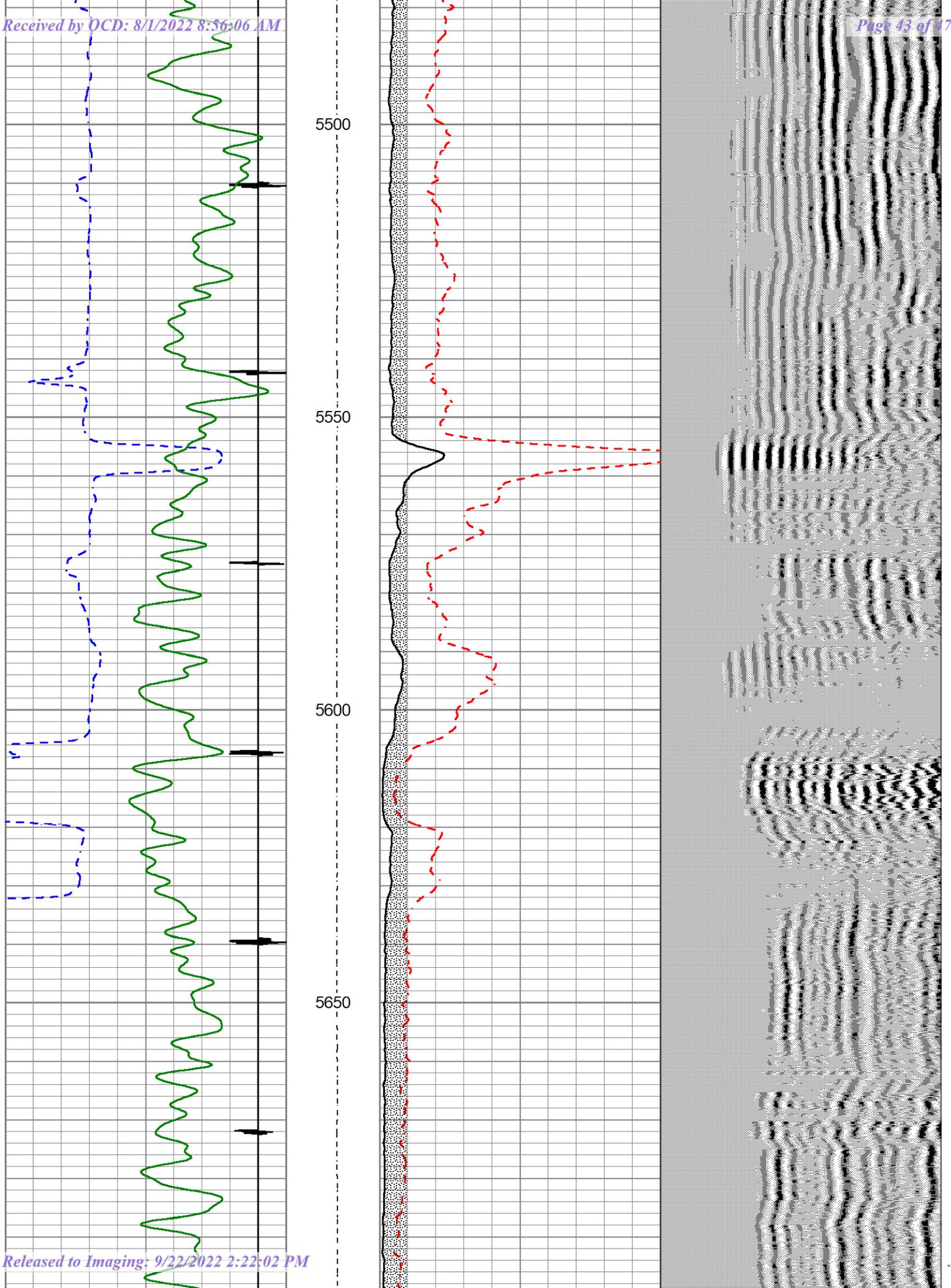
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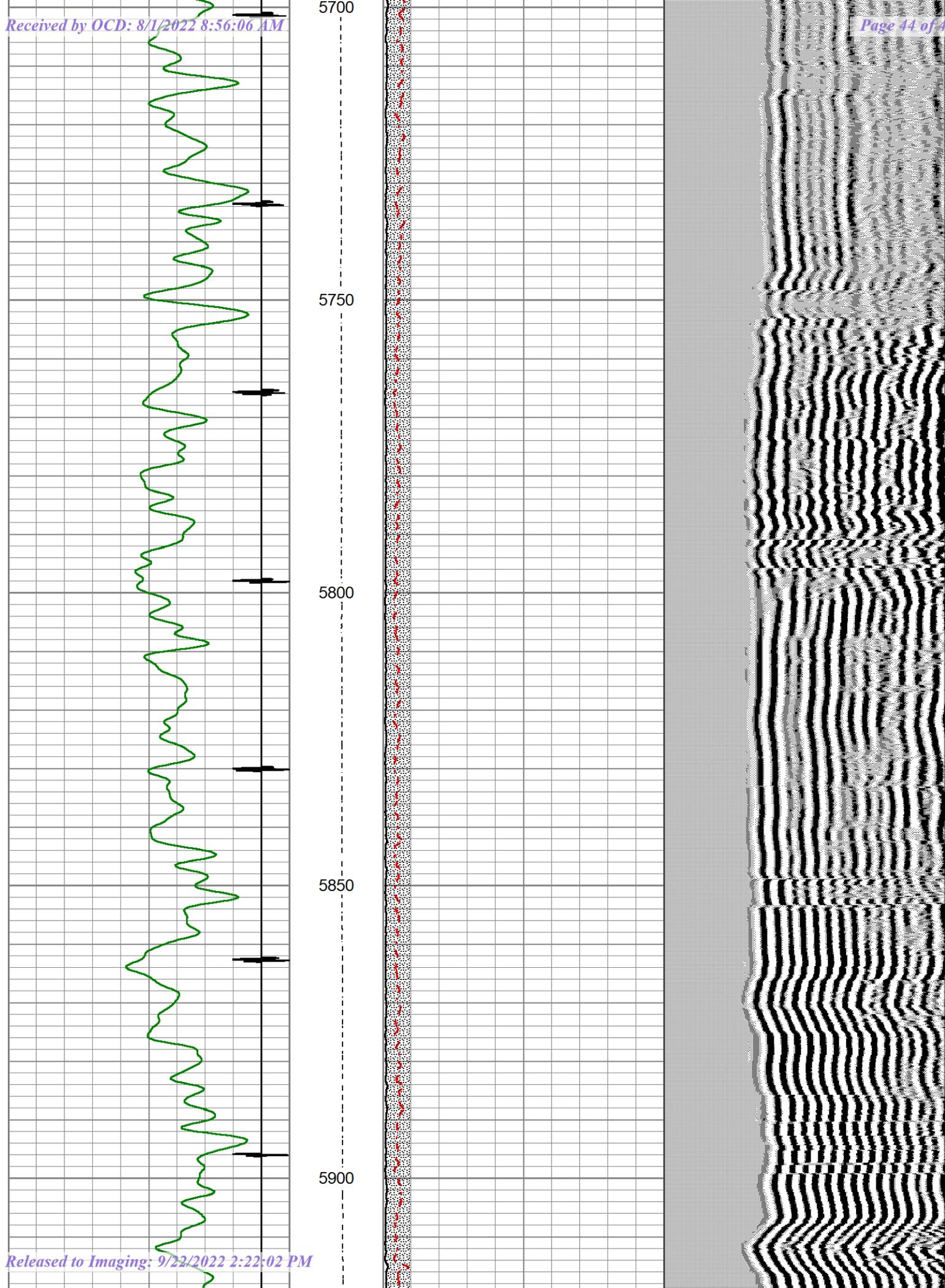
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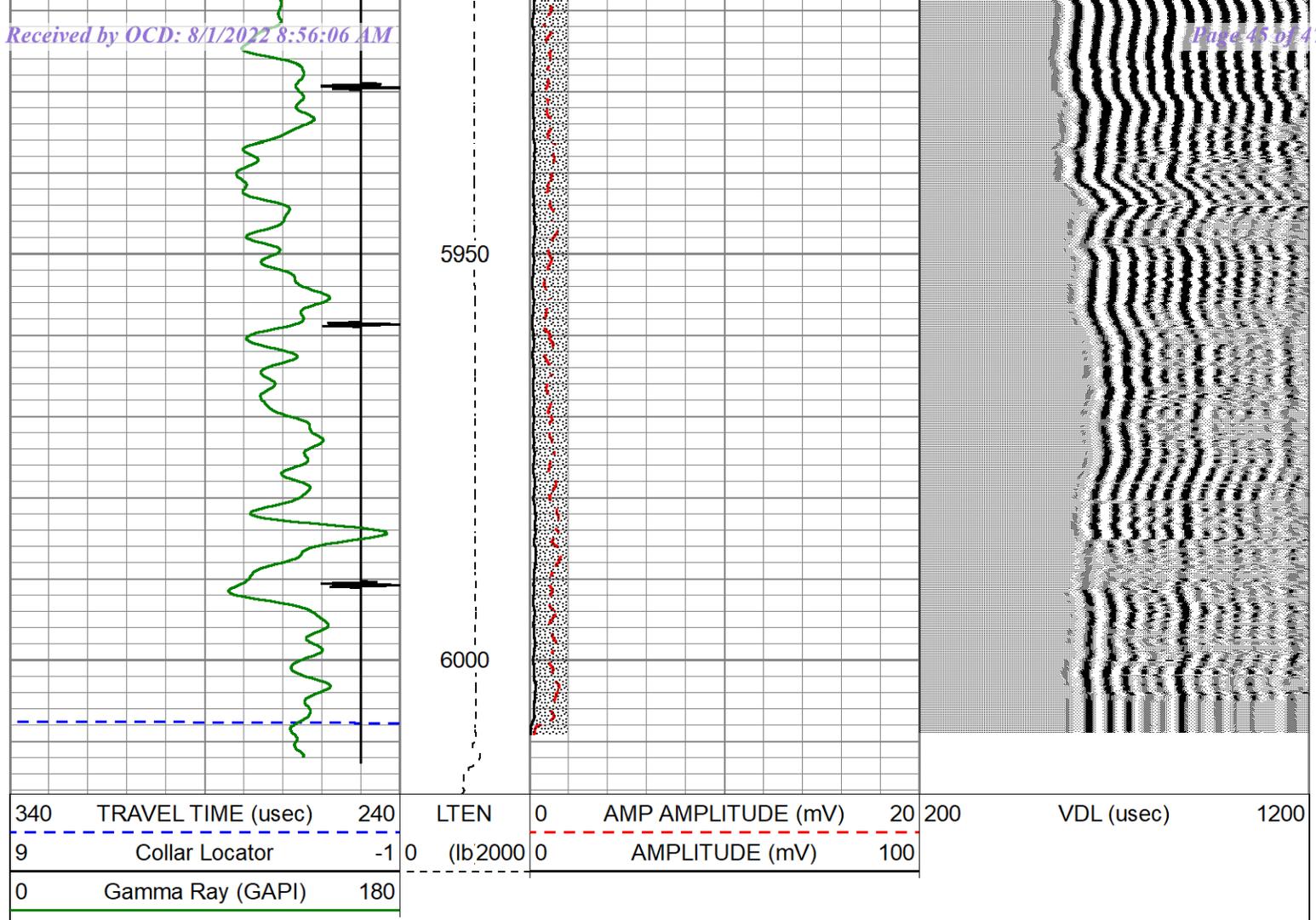
5400

5450









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)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						
S1	0.000		0.000		0.000	
S2	0.000		0.000		0.000	
S3	0.000		0.000		0.000	
S4	0.000		0.000		0.000	
S5	0.000		0.000		0.000	
S6	0.000		0.000		0.000	
S7	0.000		0.000		0.000	
S8	0.000		0.000		0.000	

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