

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION COMMISSION

BEFORE THE OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

Submitted by: Goodnight Midstream Permian, LLC

Hearing Date: September 23, 2024

Case Nos. 23614-23617, 23775, 24018 – 24020, 24025, 24123

MCBEATH TESTIMONY AND EXHIBIT PACKET

PART 2 OF 5

CAL	0.858	0.855	2.000	51.280	91.409	1.999
SUM						
S1	0.000	0.435	0.000	100.000	230.107	-0.007
S2	0.000	0.506	0.000	100.000	197.685	-0.006
S3	0.000	0.470	0.000	100.000	212.774	-0.006
S4	0.000	0.422	0.000	100.000	236.814	-0.005
S5	0.000	0.445	0.000	100.000	224.857	-0.004
S6	0.000	0.448	0.000	100.000	223.240	-0.004
S7	0.000	0.404	0.000	100.000	247.310	-0.005
S8	0.000	0.395	0.000	100.000	253.392	-0.006

Internal Reference Calibration, performed (Not Performed):


	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.858	0.855	1.000	0.000

Air Zero Calibration, performed Sat Sep 19 07:57:51 2020:

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

Temperature Calibration Report

Serial Number:	FW1901-108	
Tool Model:	RBT-TEMP	
Performed:	Tue Feb 12 13:30:26 2019	
	Reference	Reading
Low Reference:	100.00 degF	106.53 degF
High Reference:	350.00 degF	398.39 degF
Gain:	0.86	
Offset:	8.76	
Delta Spacing	5	

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
RadiiHeadVolt	19.16		CHD-1.4375CHD Titan Cable Head 1 7/16	1.00	1.44	10.00

Log

GROUP

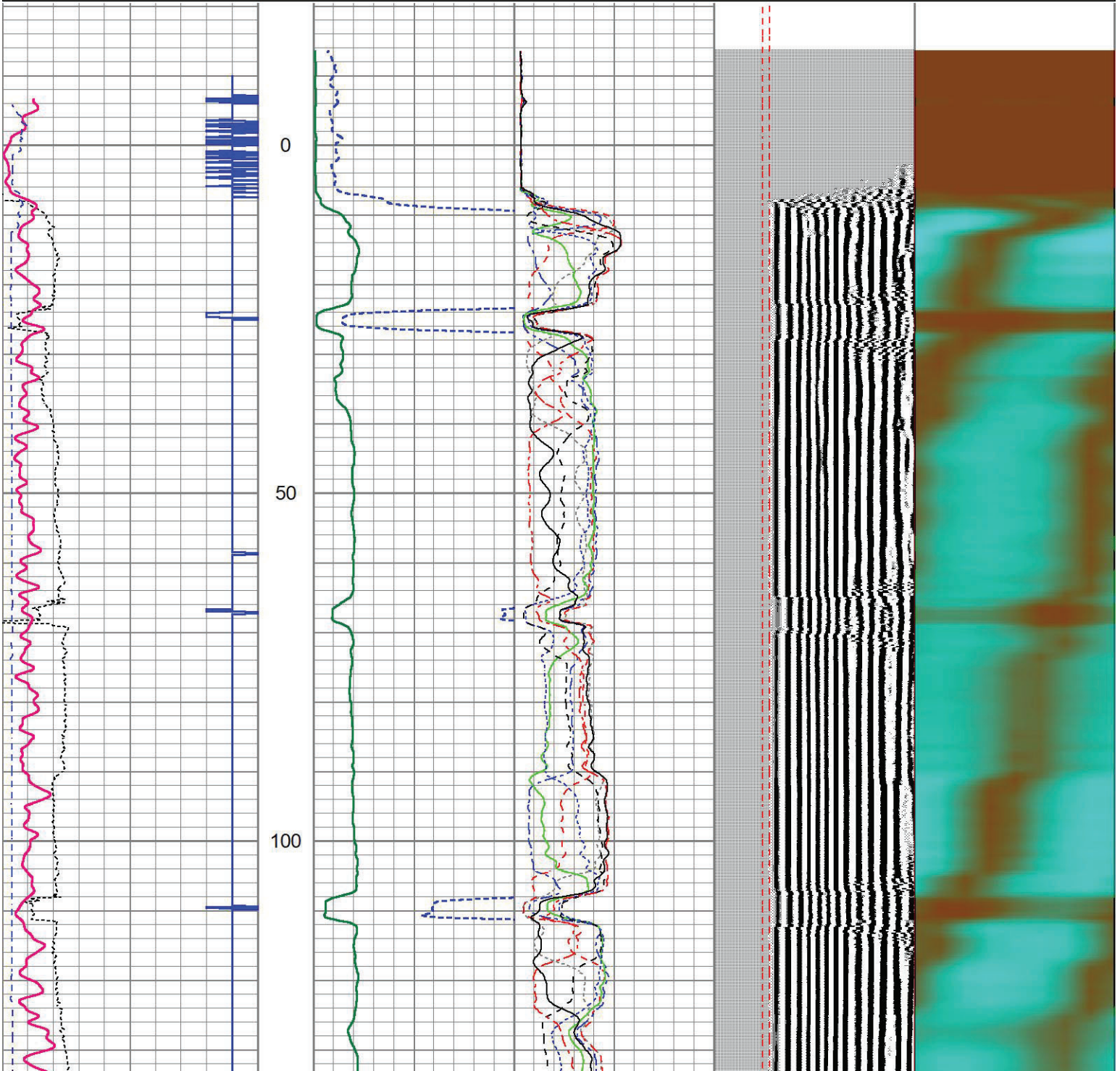
Dataset Pathname merge1
 Presentation Format scbl5_5
 Dataset Creation Wed Dec 28 14:46:56 2022
 Charted by Depth in Feet scaled 1:240

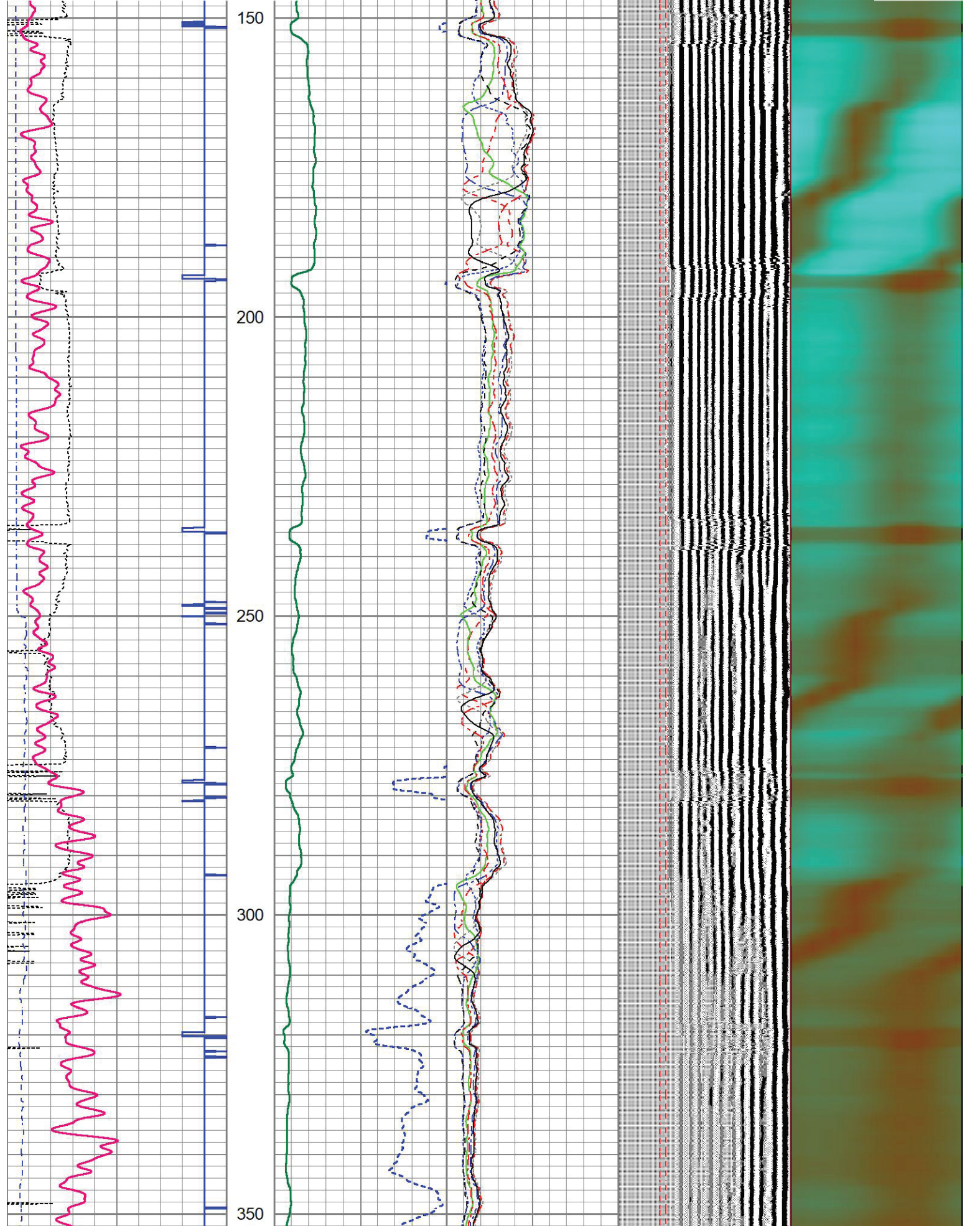
366	TT (usec)	266
0	GR (GAPI)	150
0	LTEN (lb)	4000
-9	CCL	1

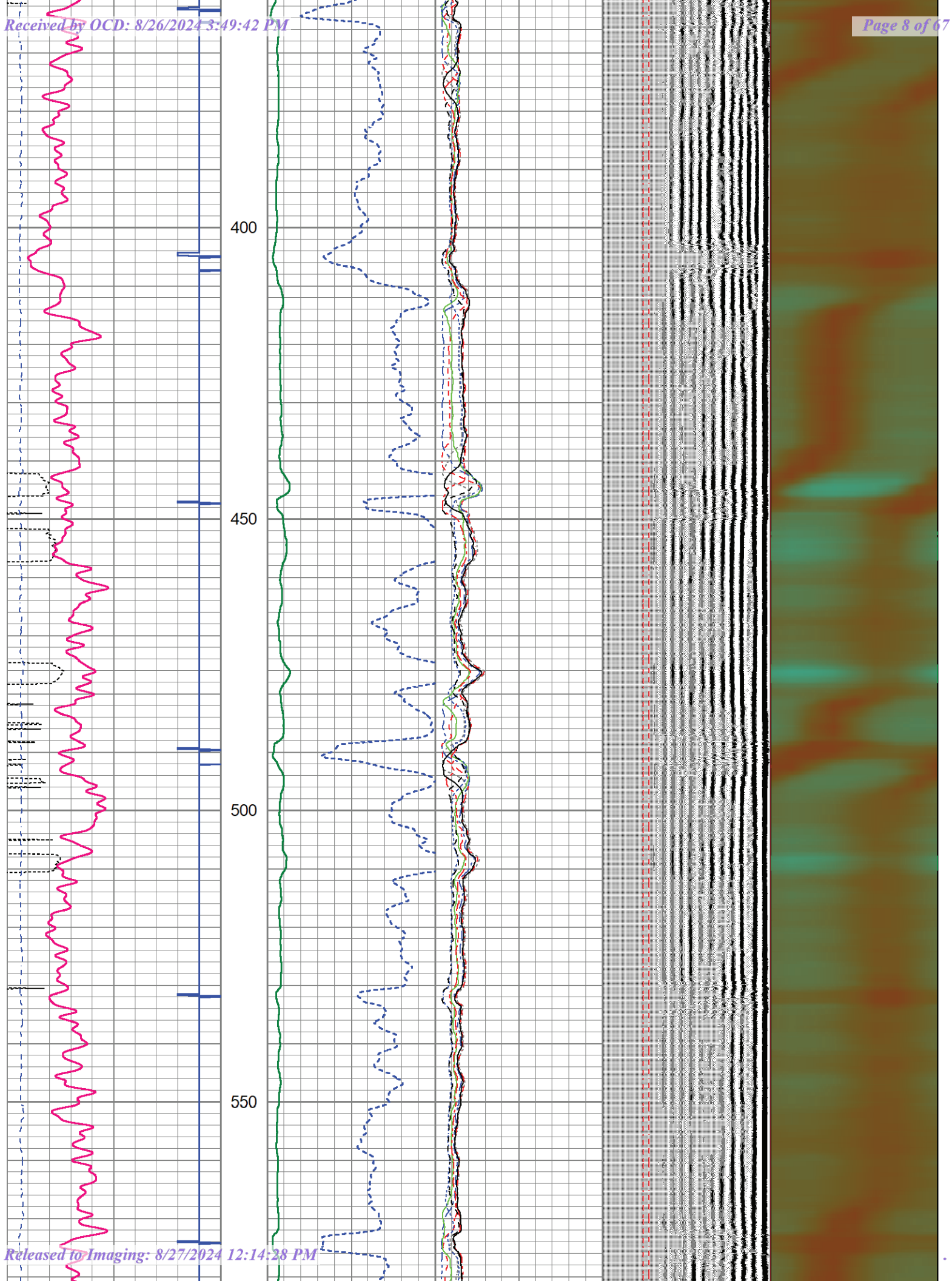
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	Amplified Amplitude		-5	AMPS3	150
0	(mV)	10	-5	AMPS4	150
			-5	AMPS5	150
			-5	AMPS6	150
			-5	AMPS7	150
			-5	AMPS8	150
			-5	AMPS1	150

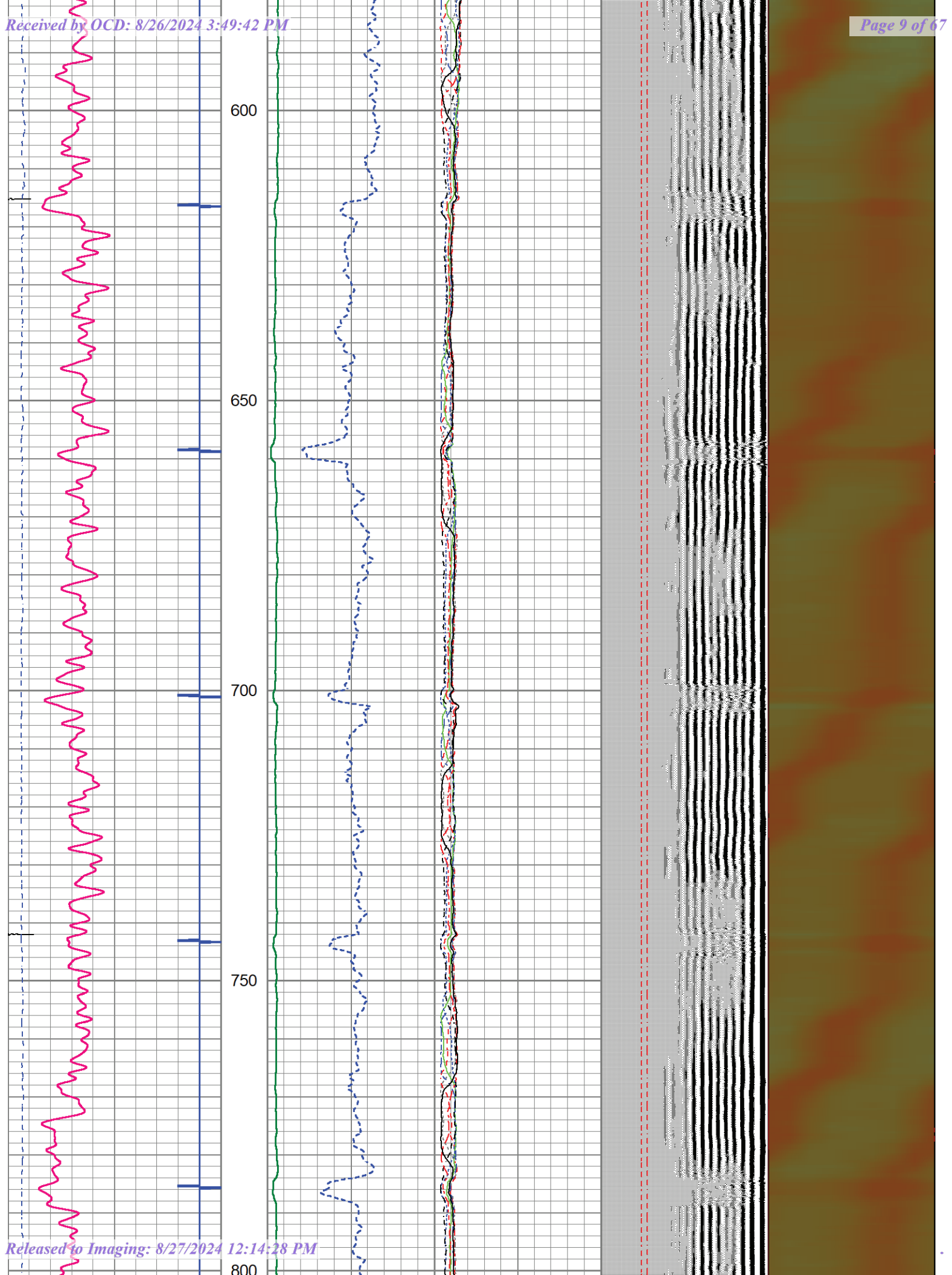
200 VDL (usec) 1200 Cement Map

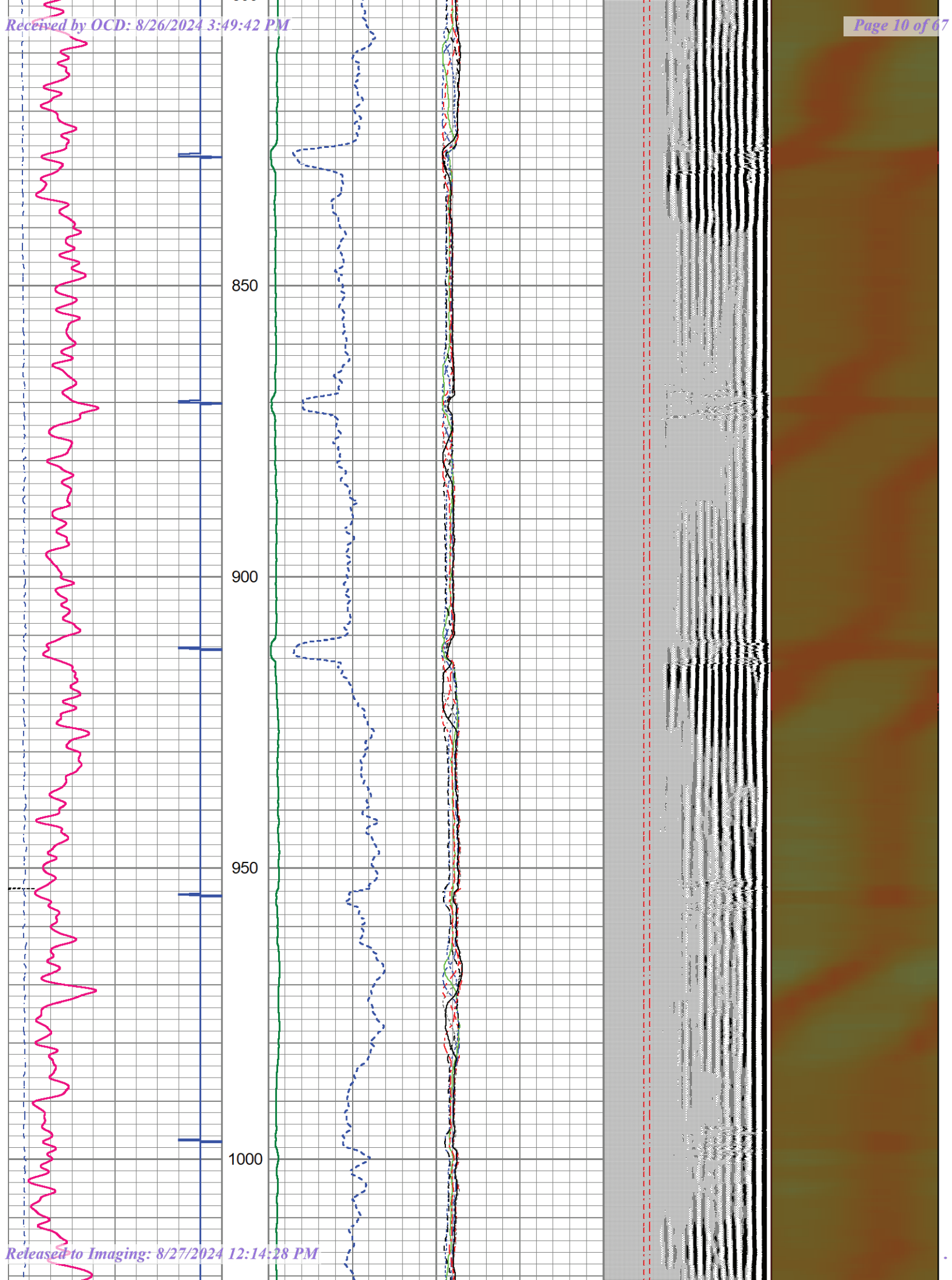
Free Pipe Gate

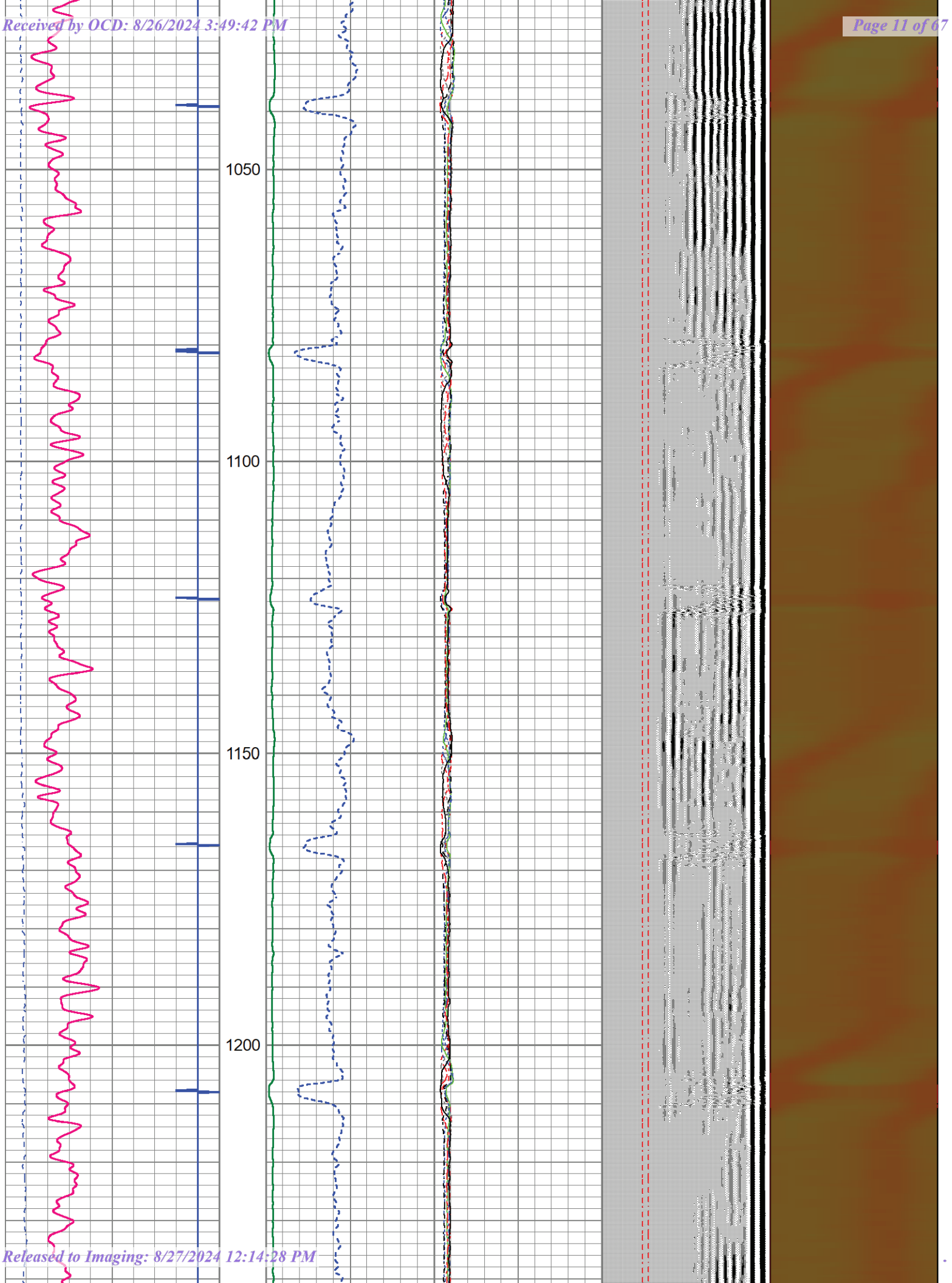


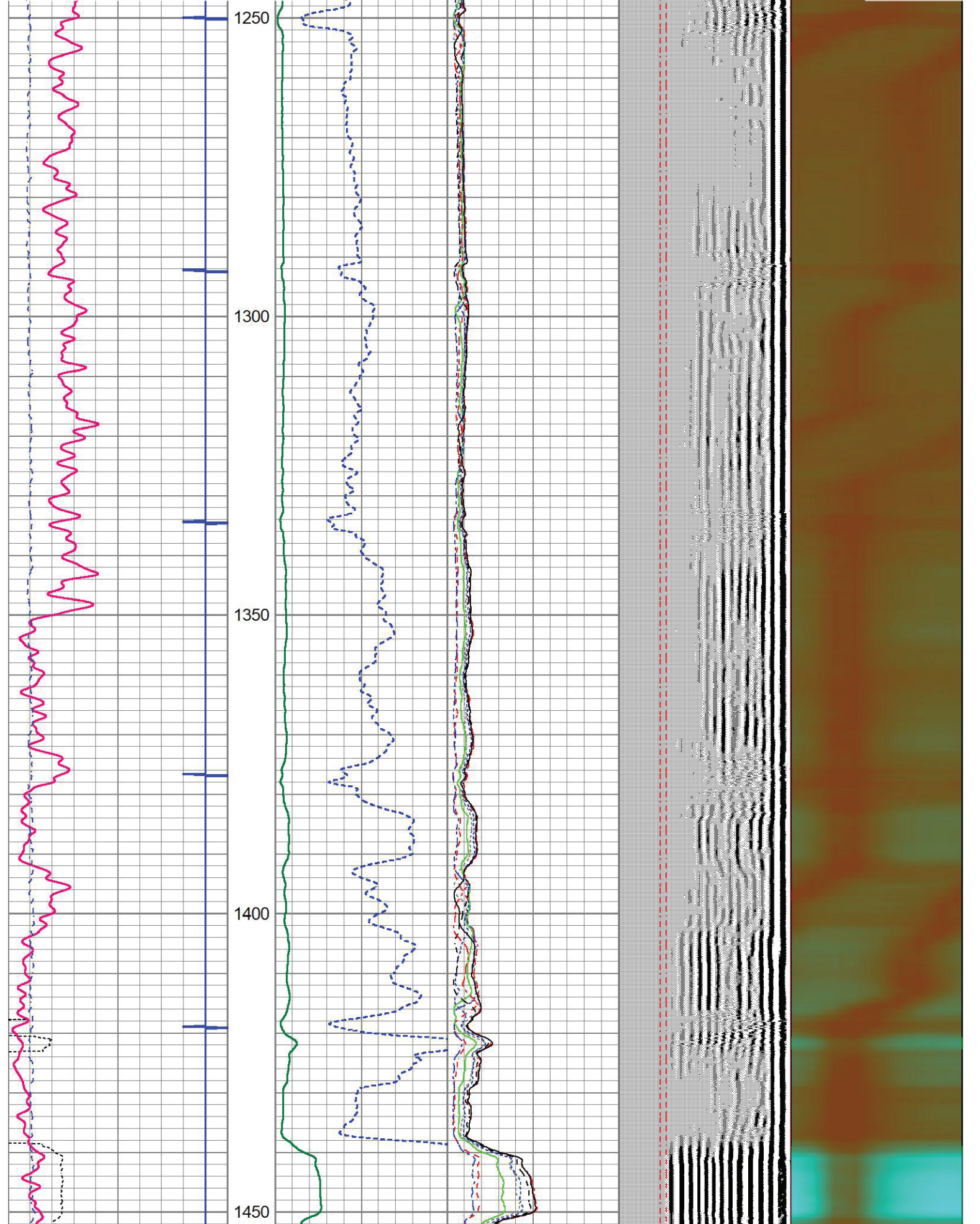


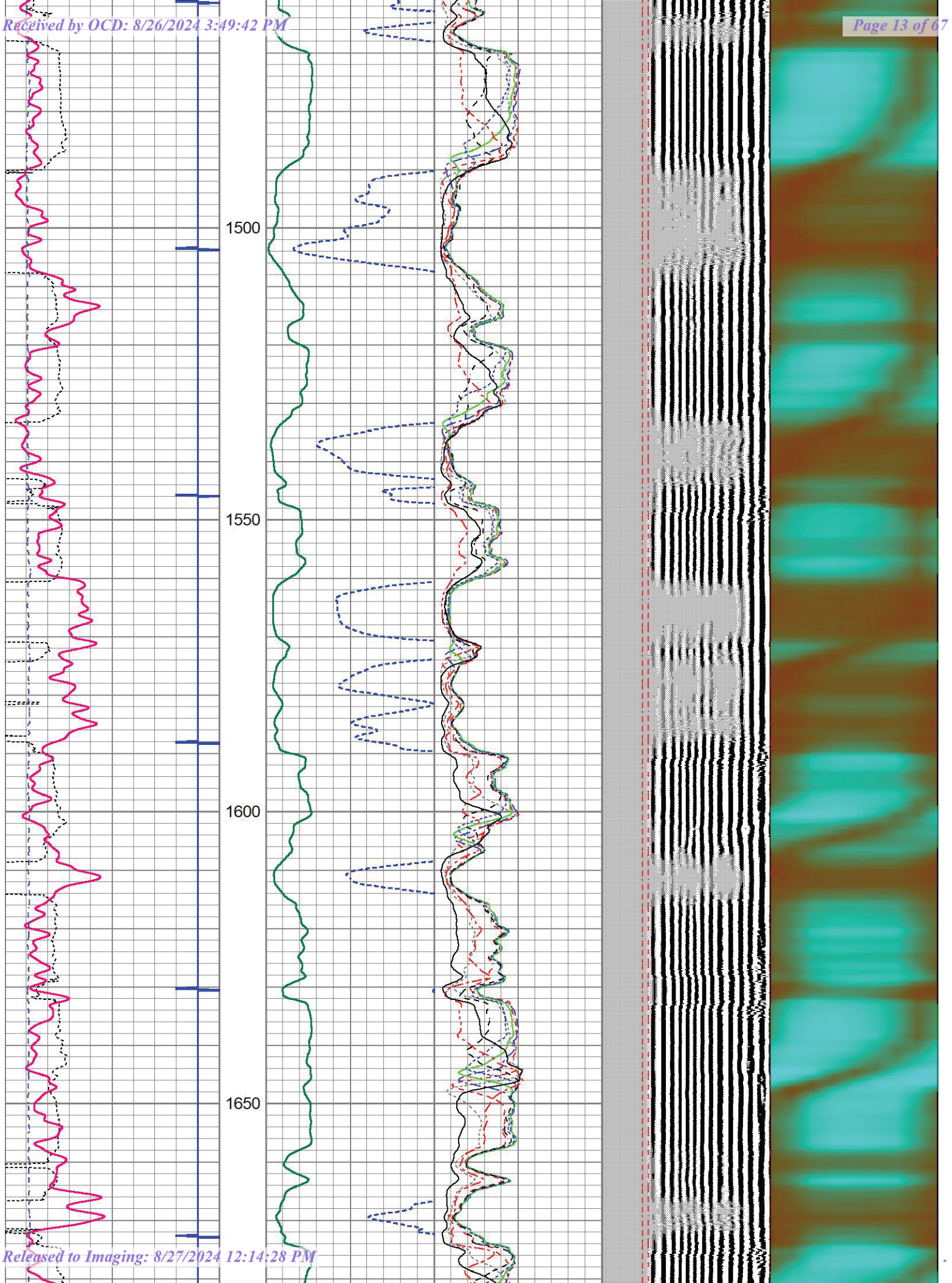


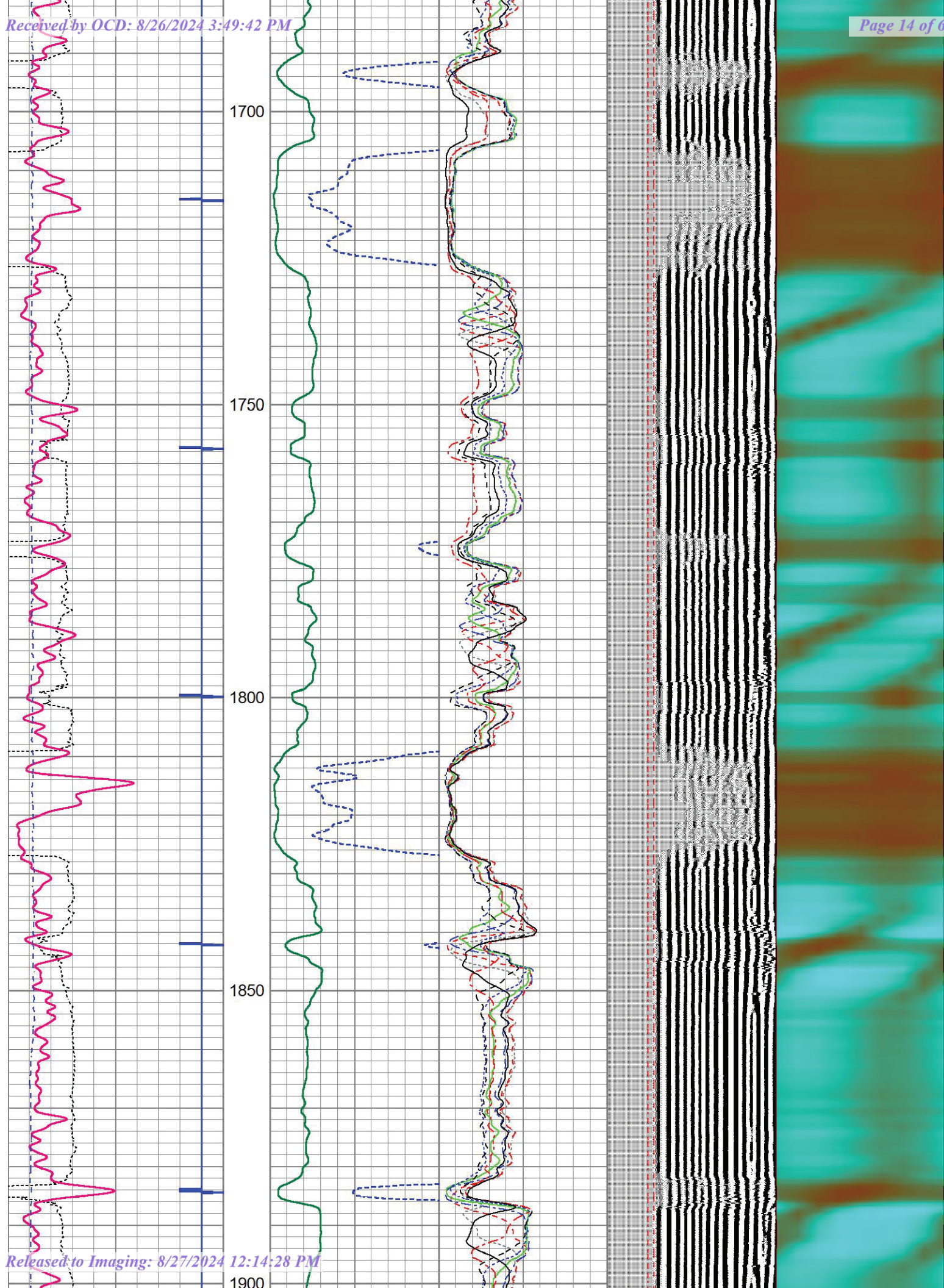


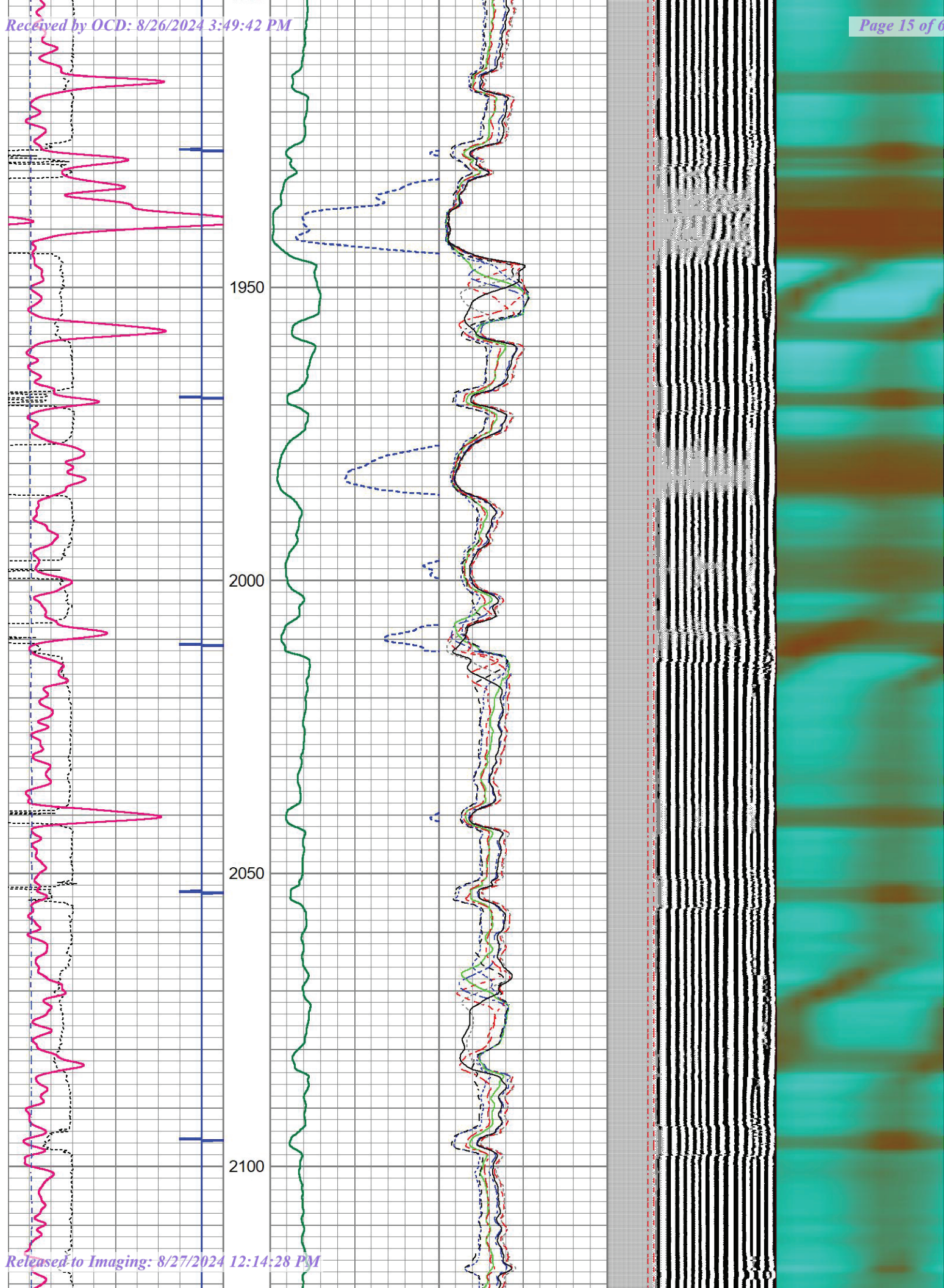


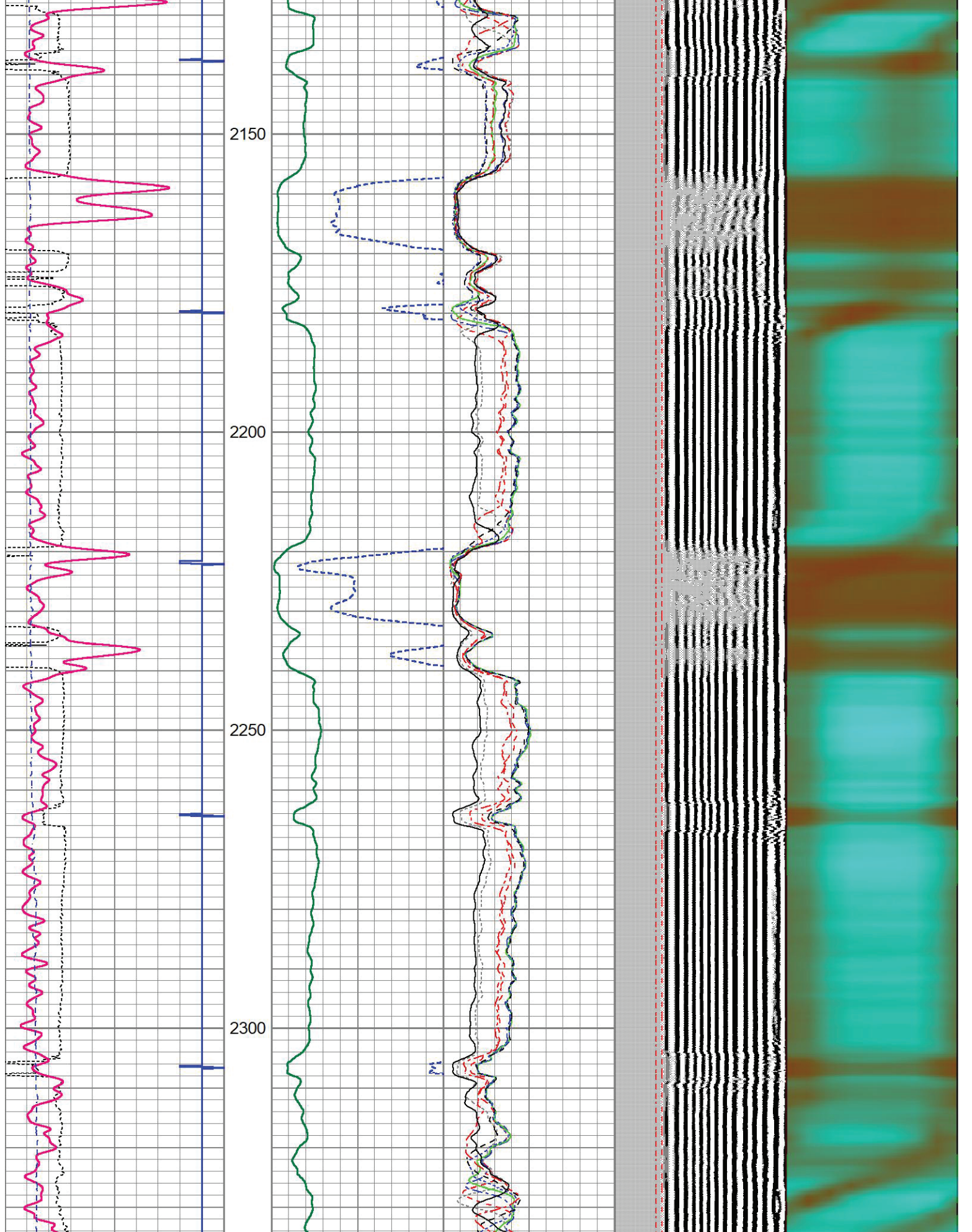


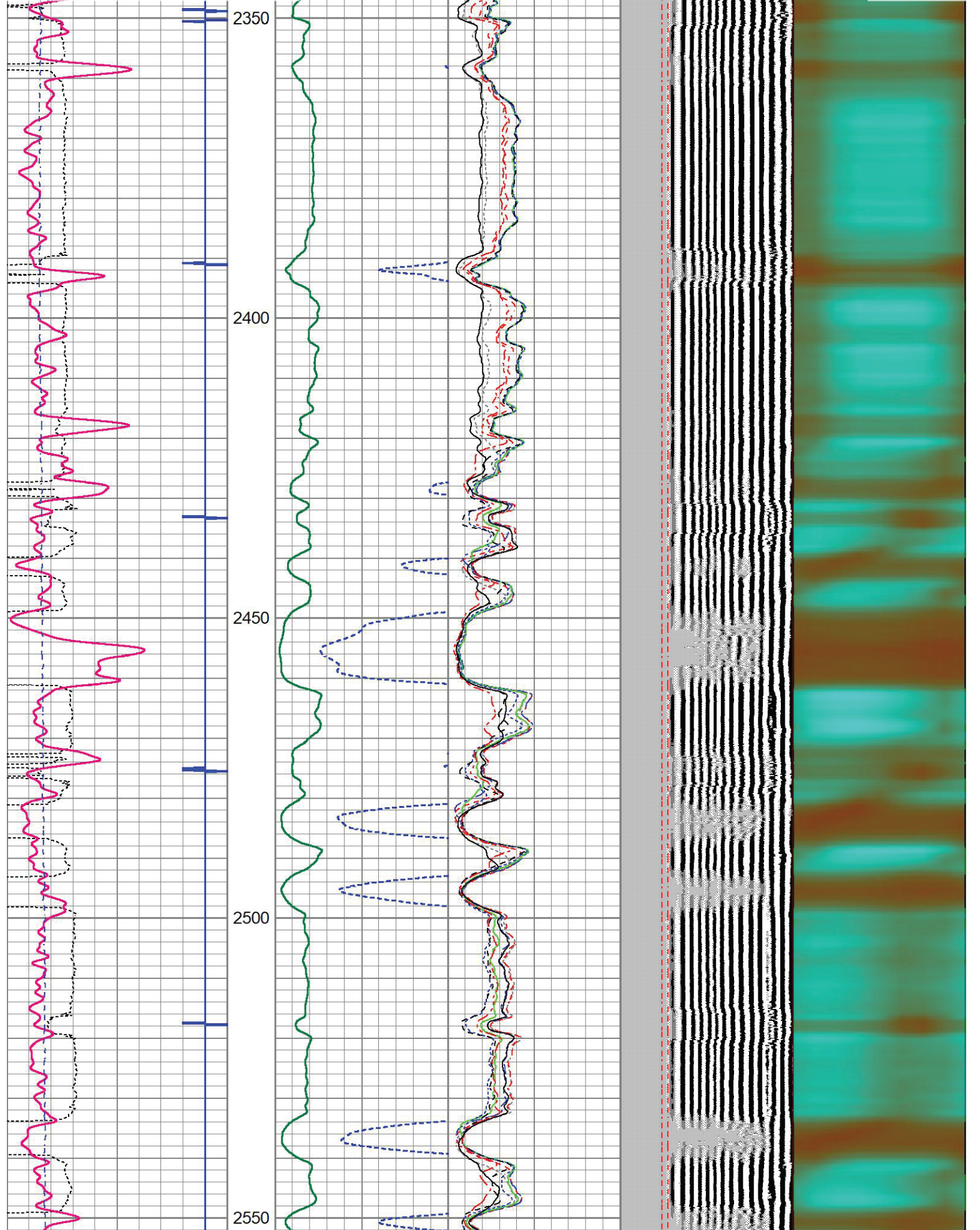


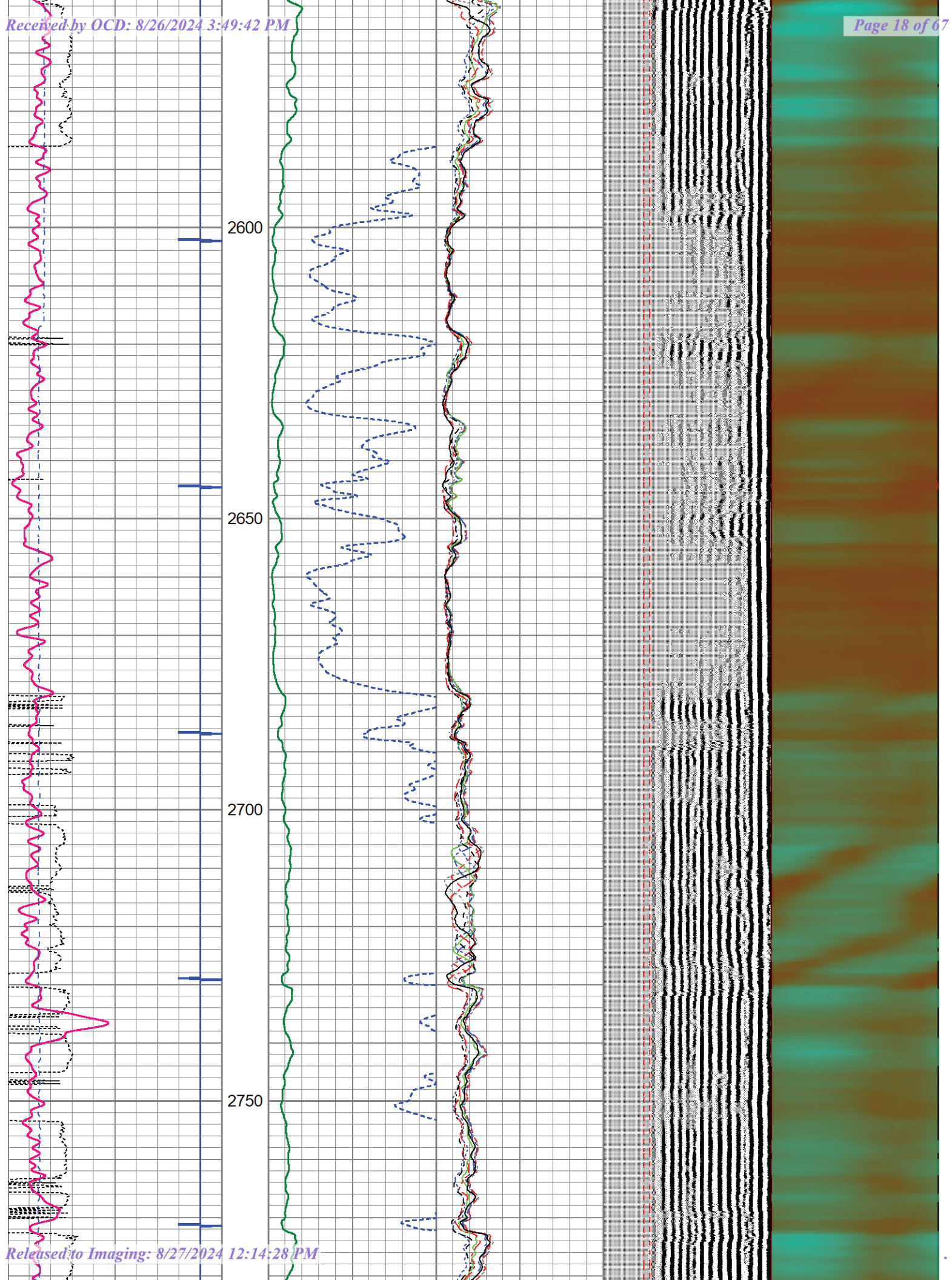


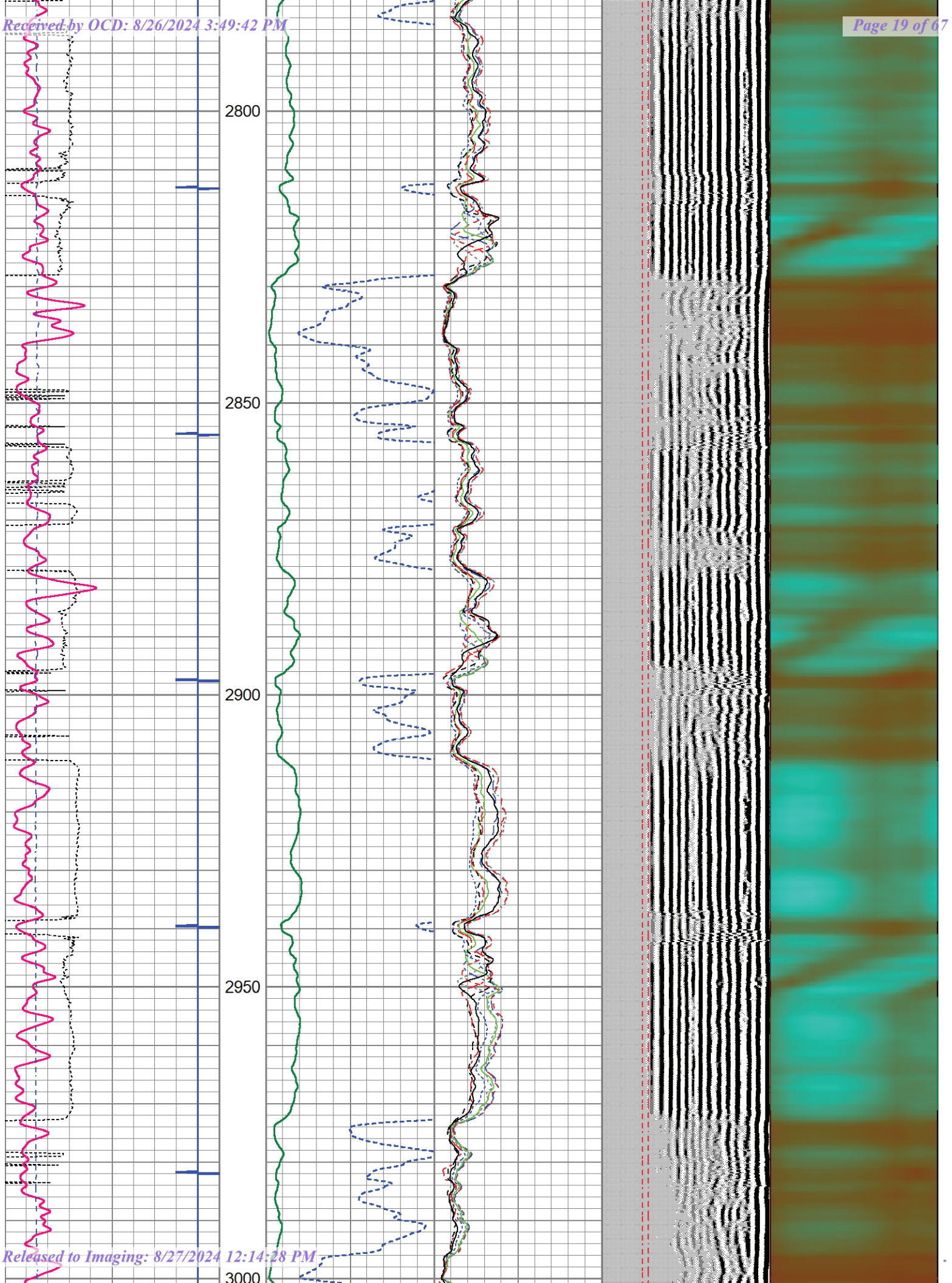


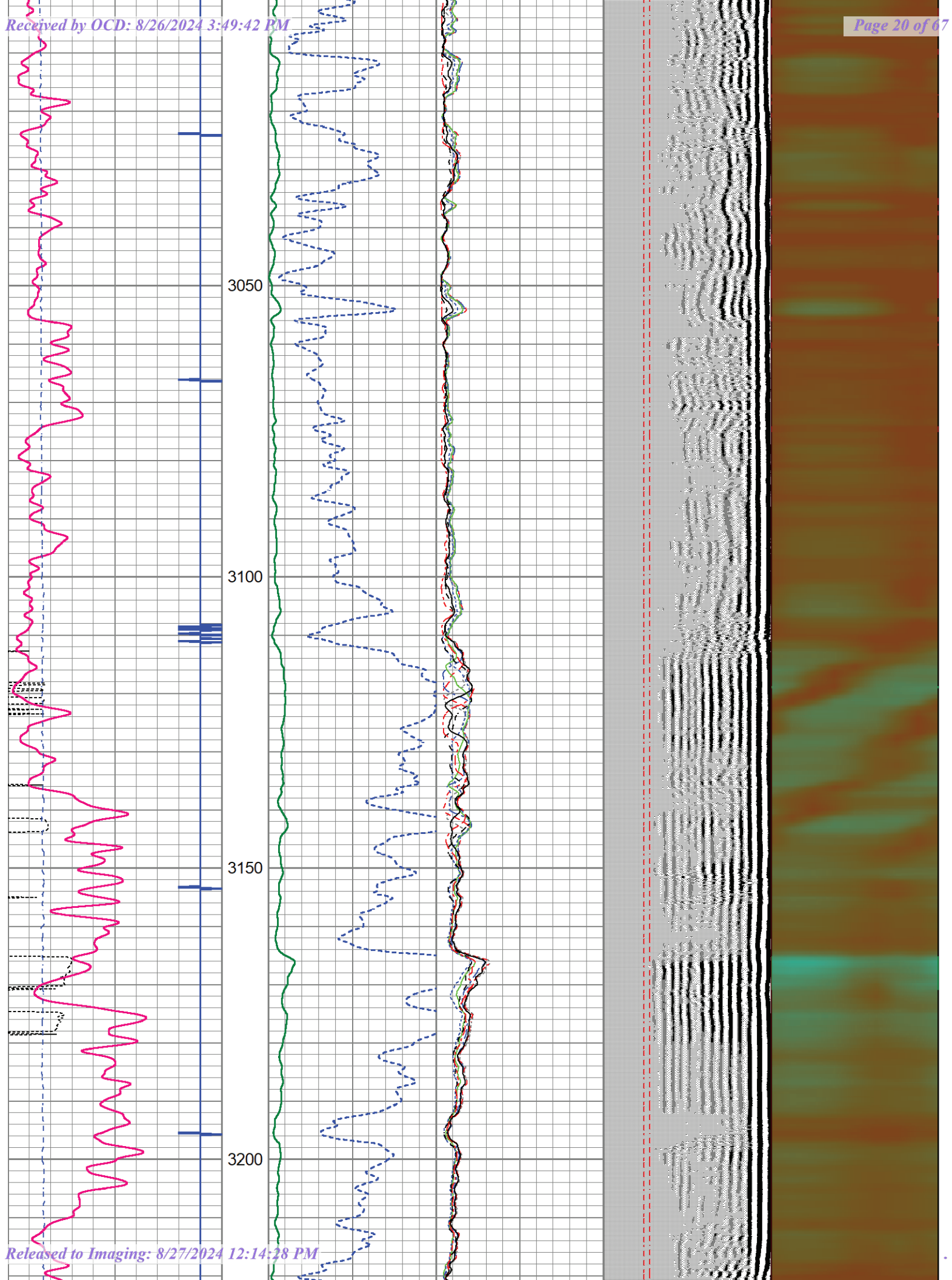


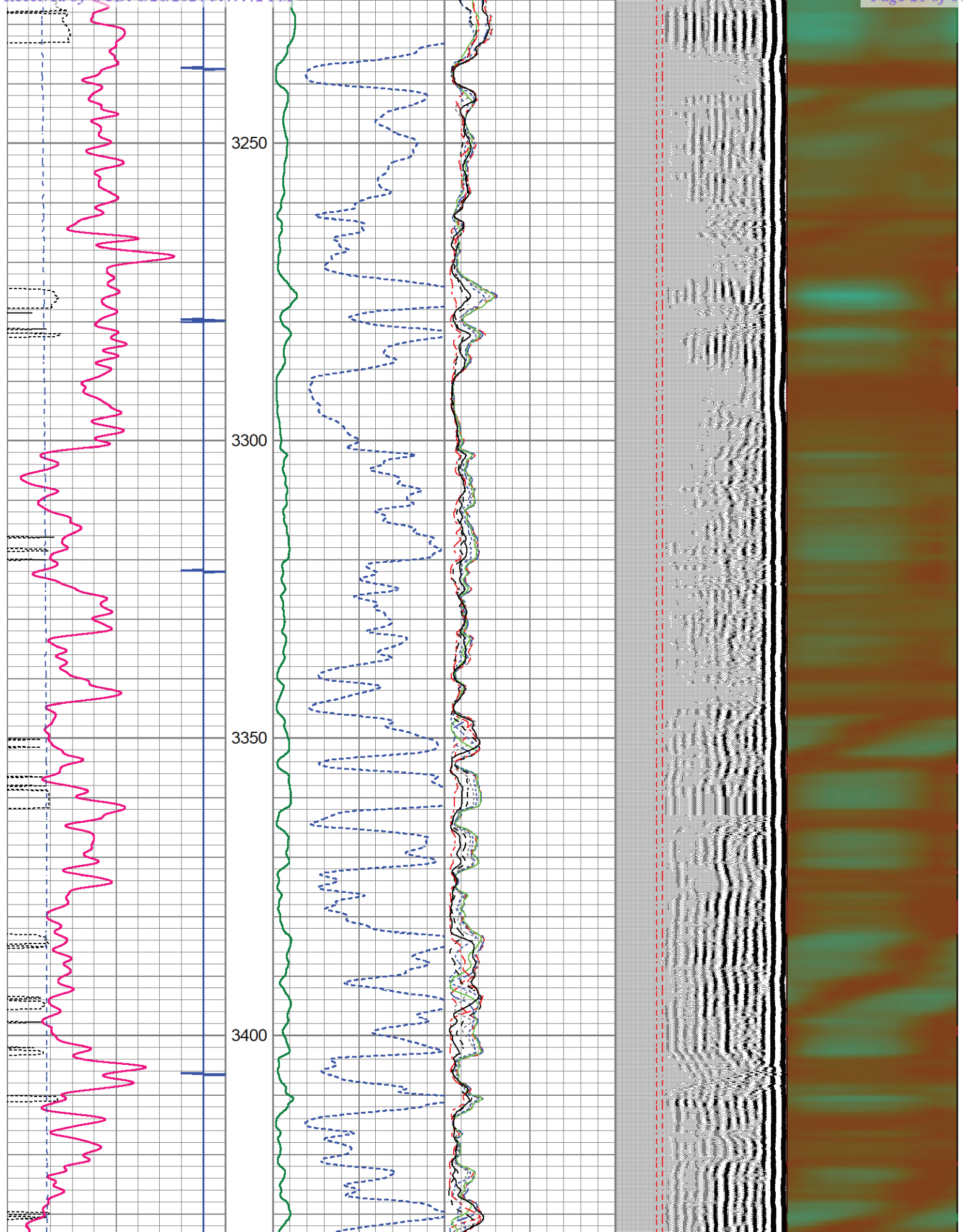


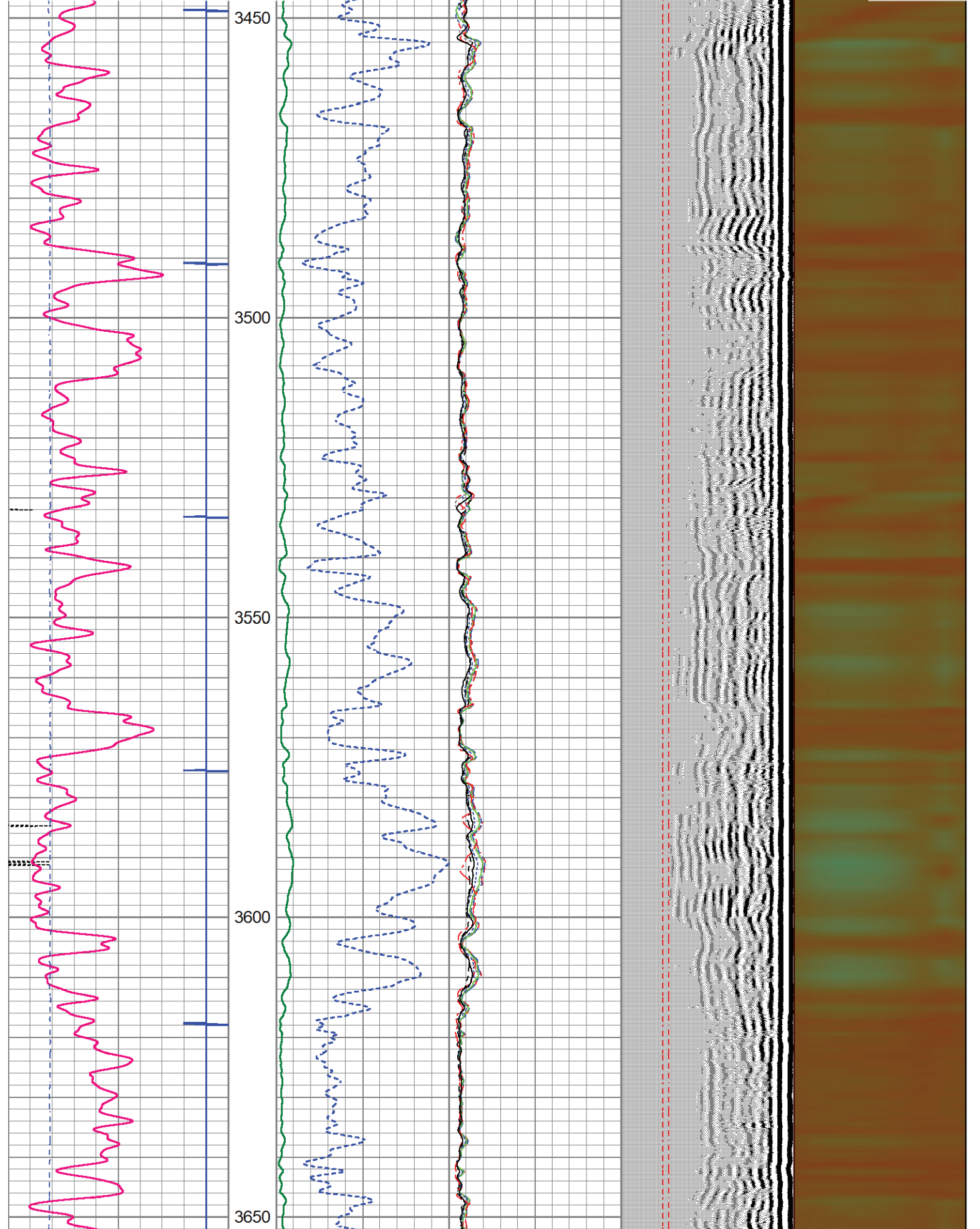


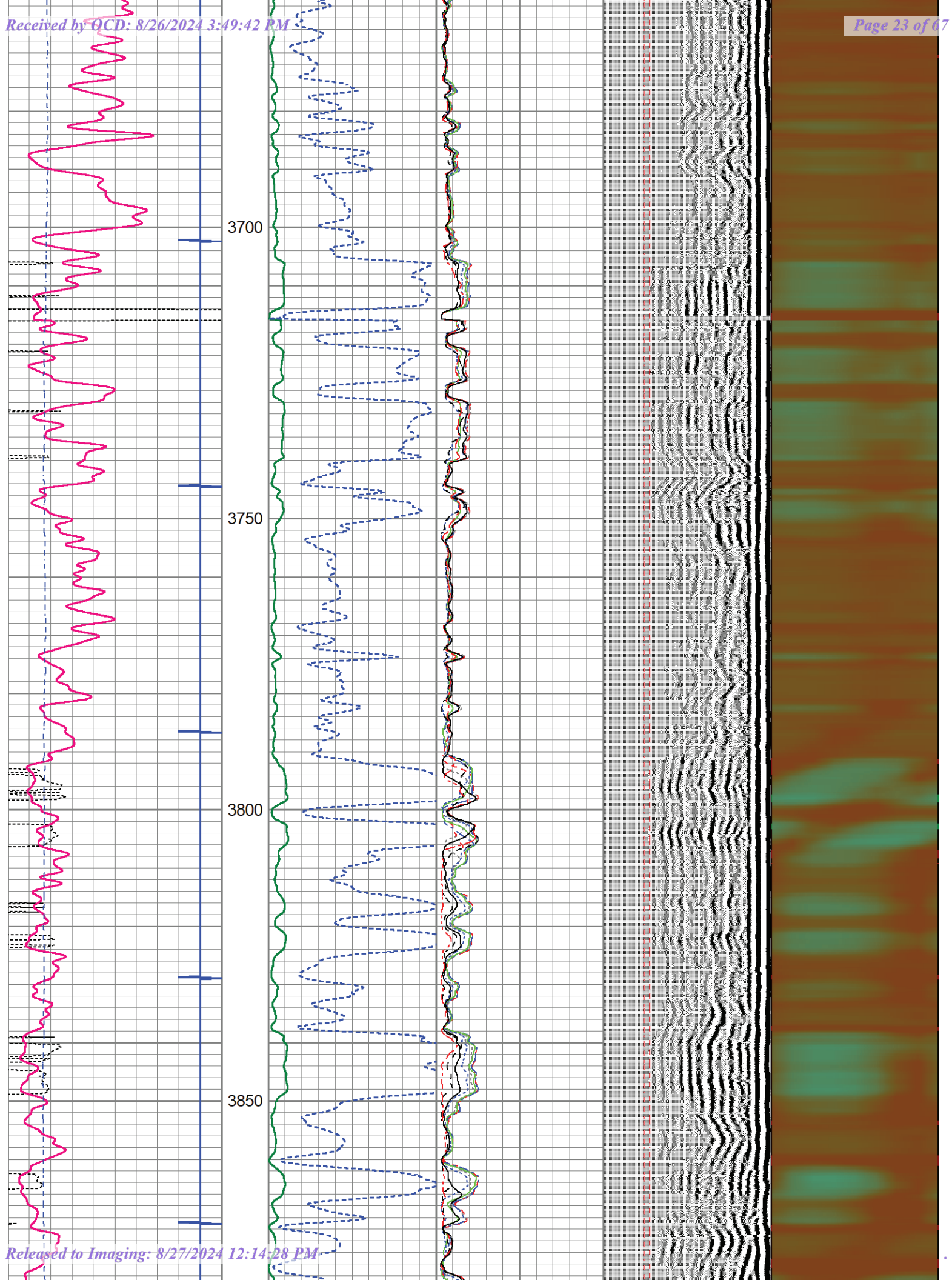


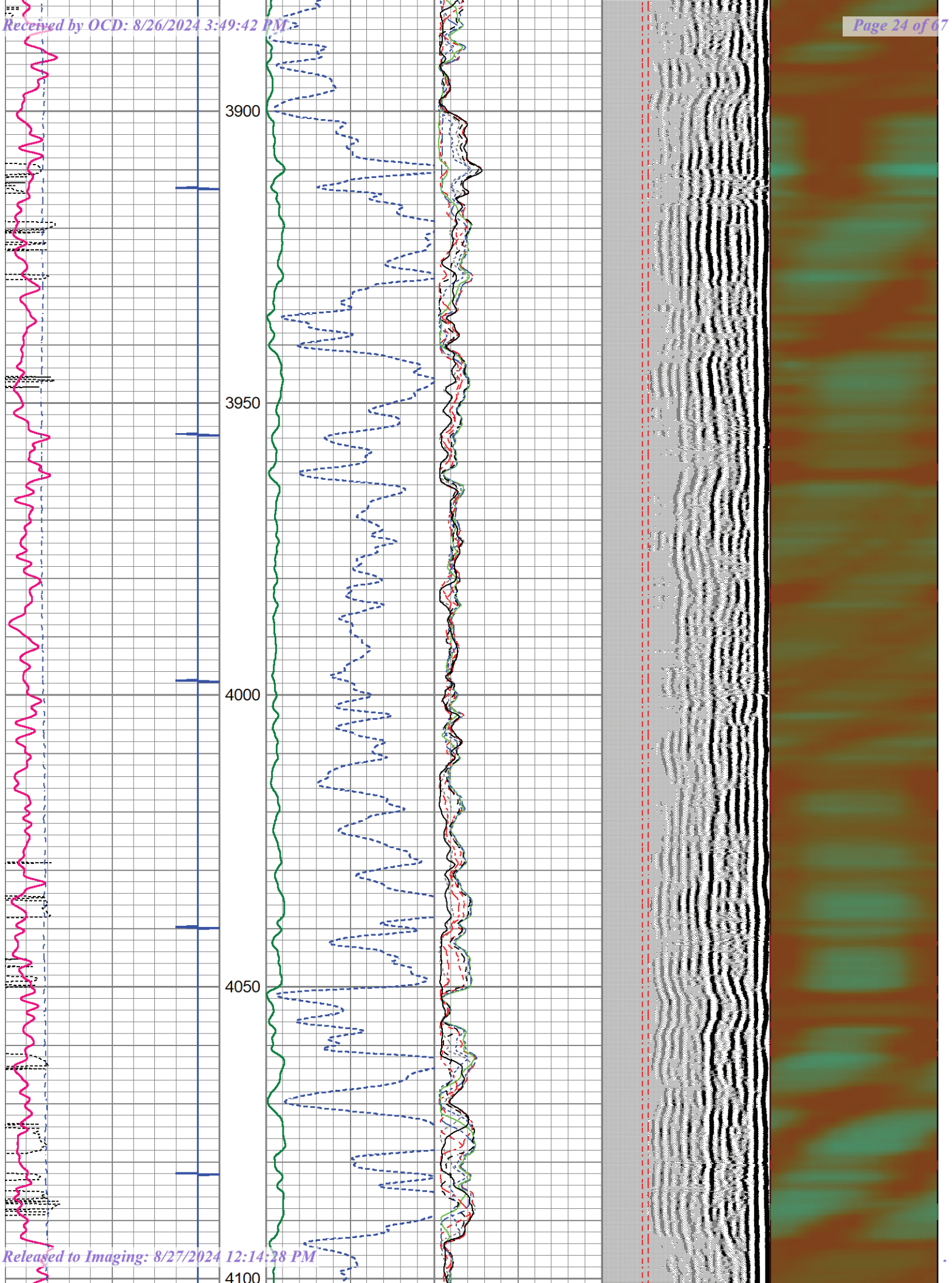


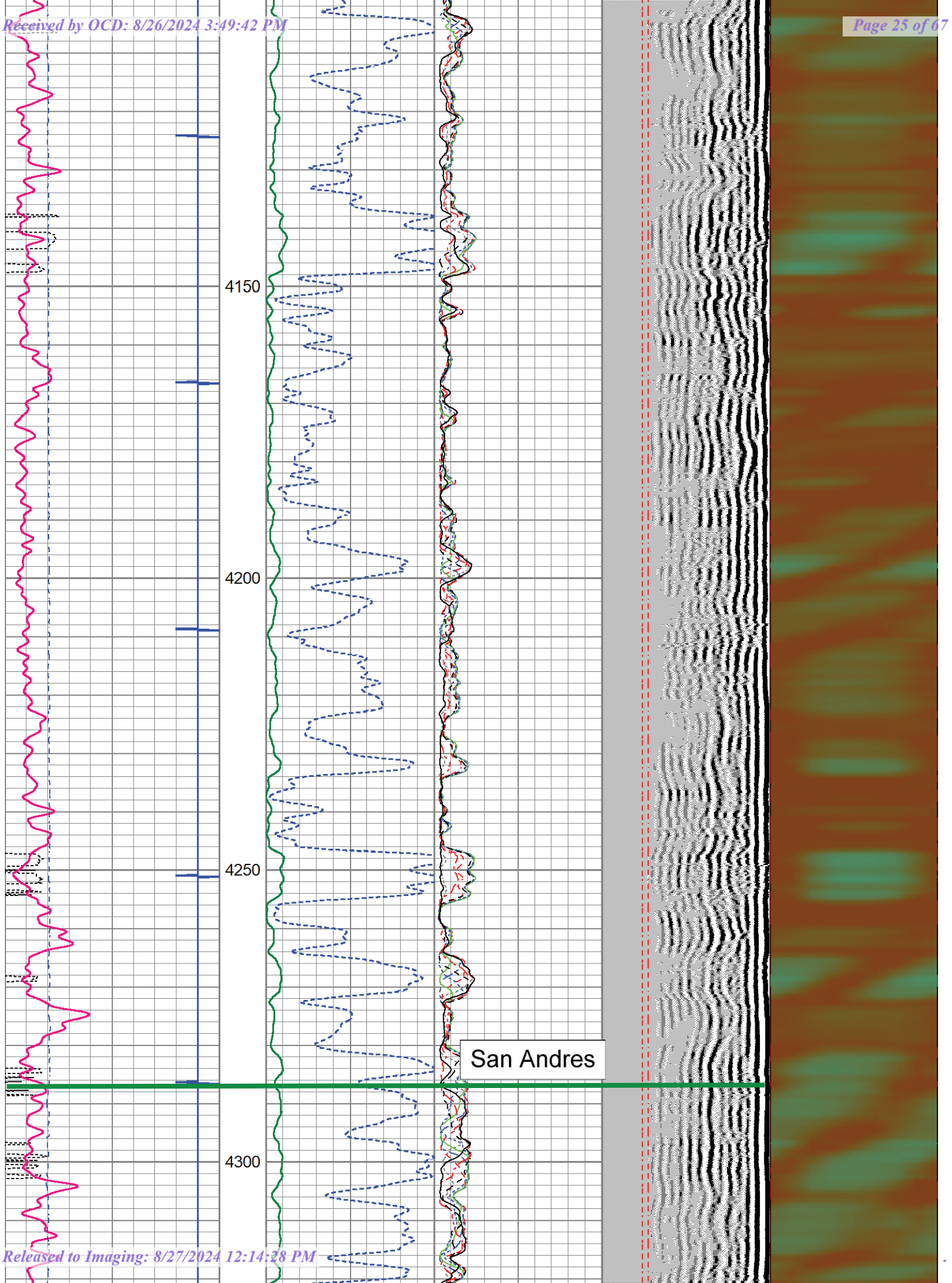


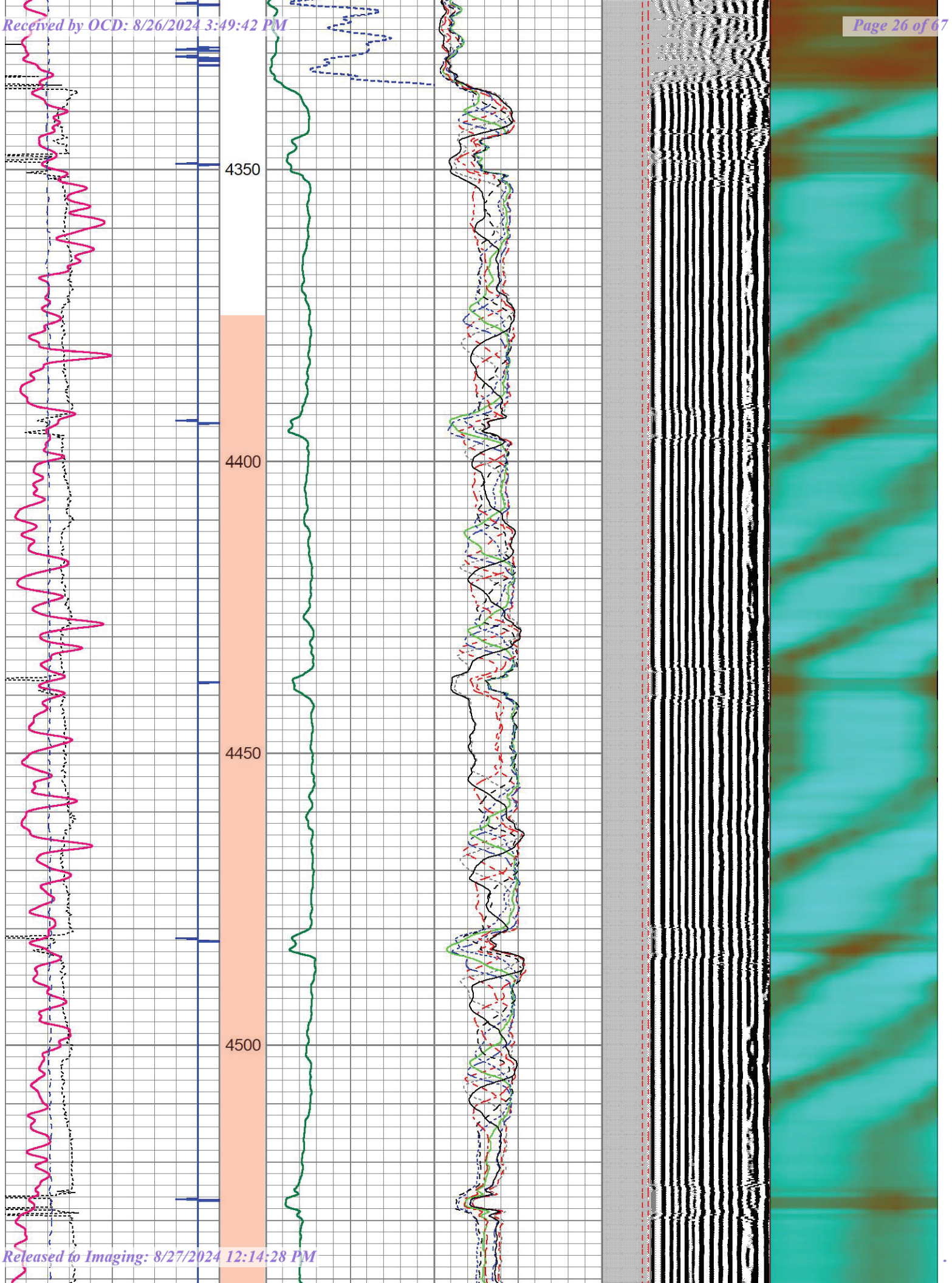


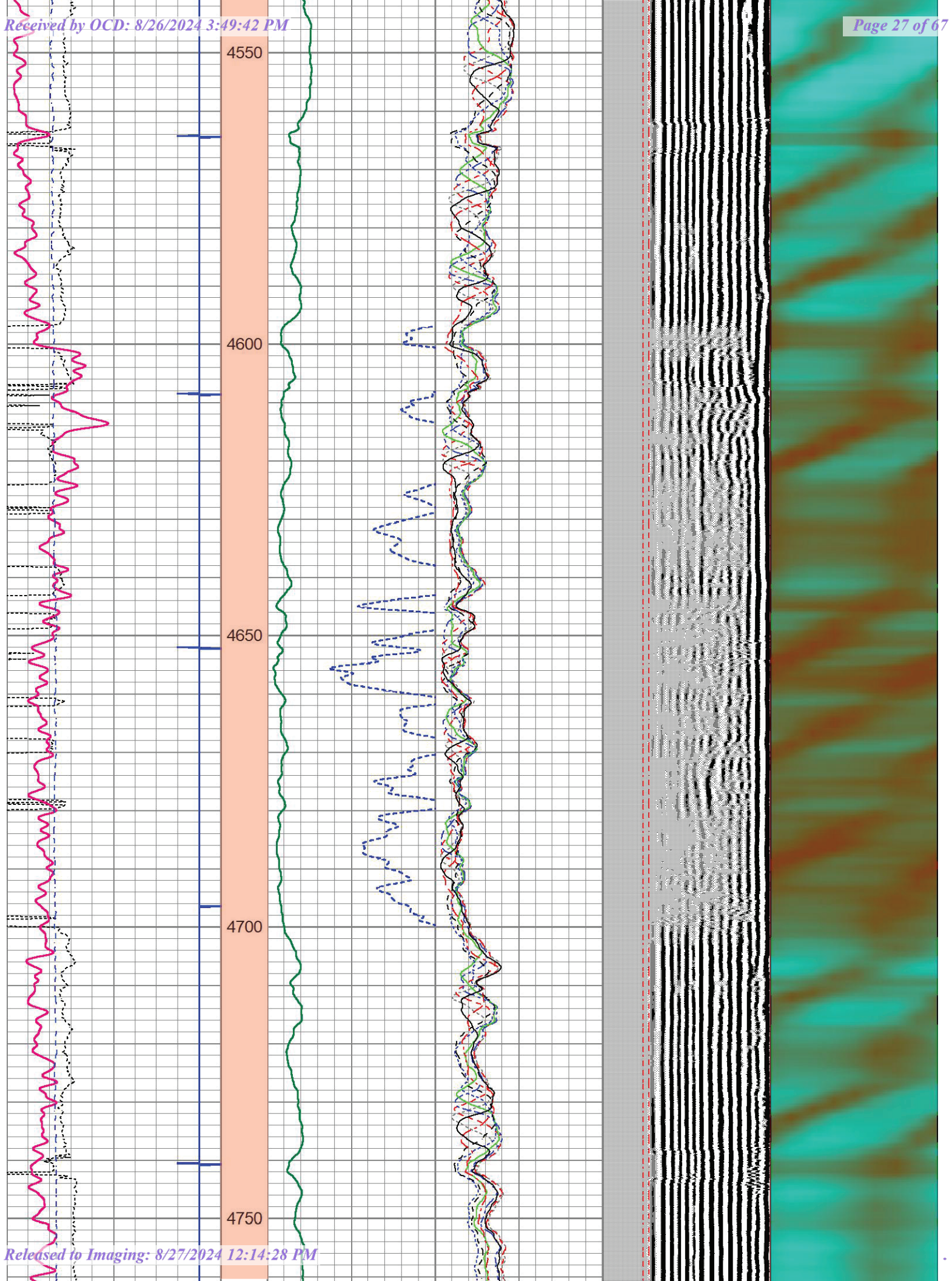


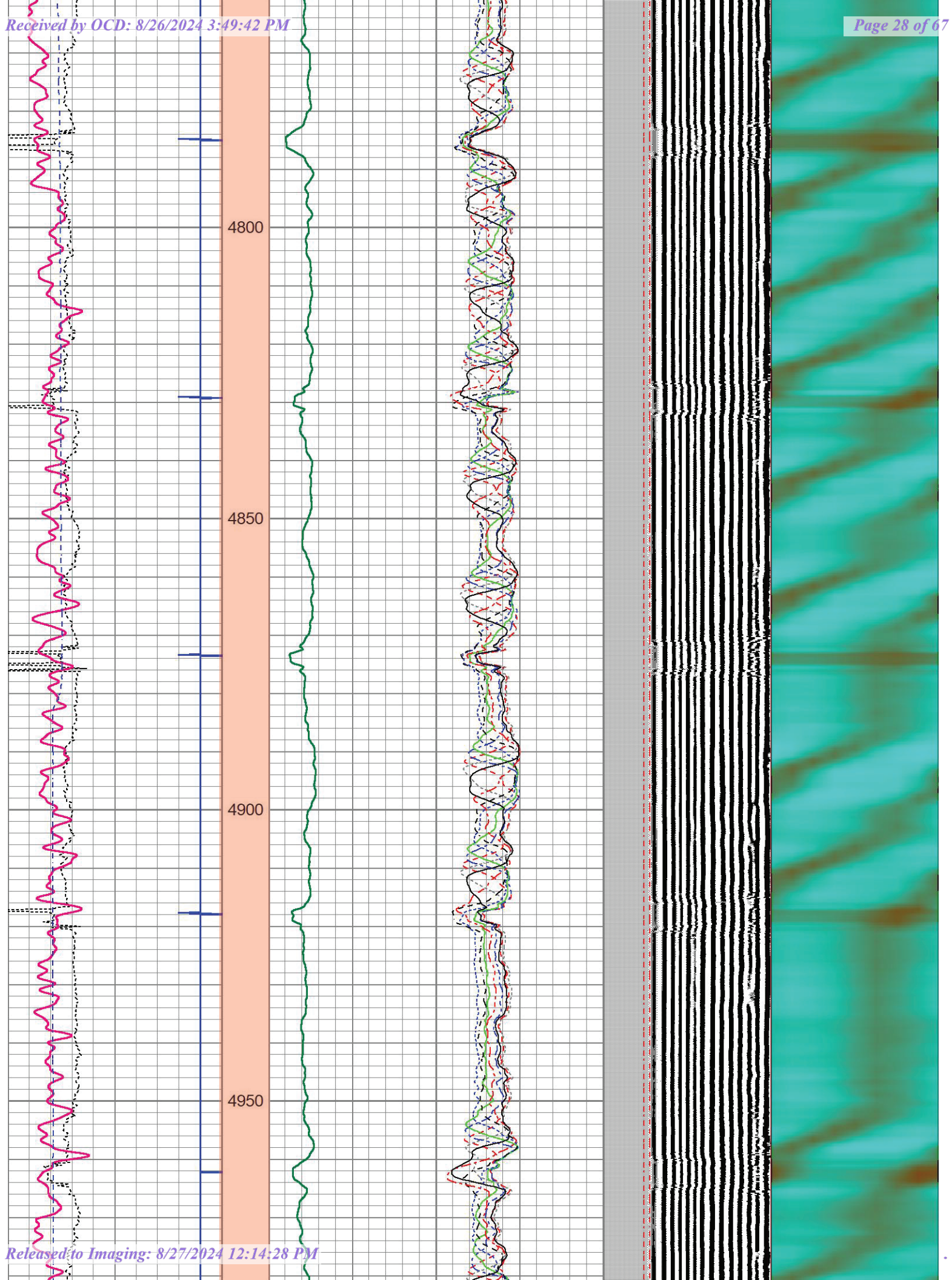


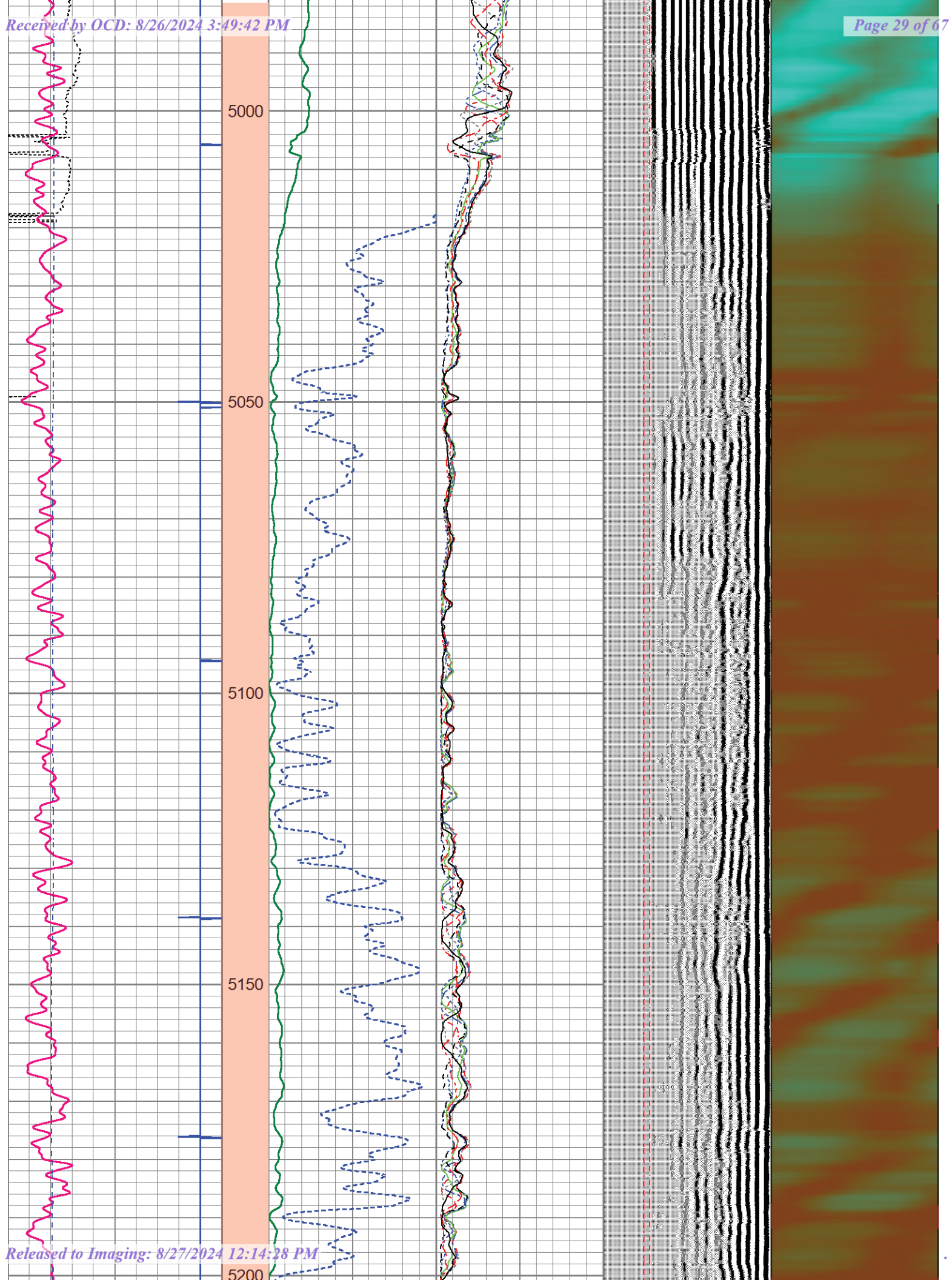


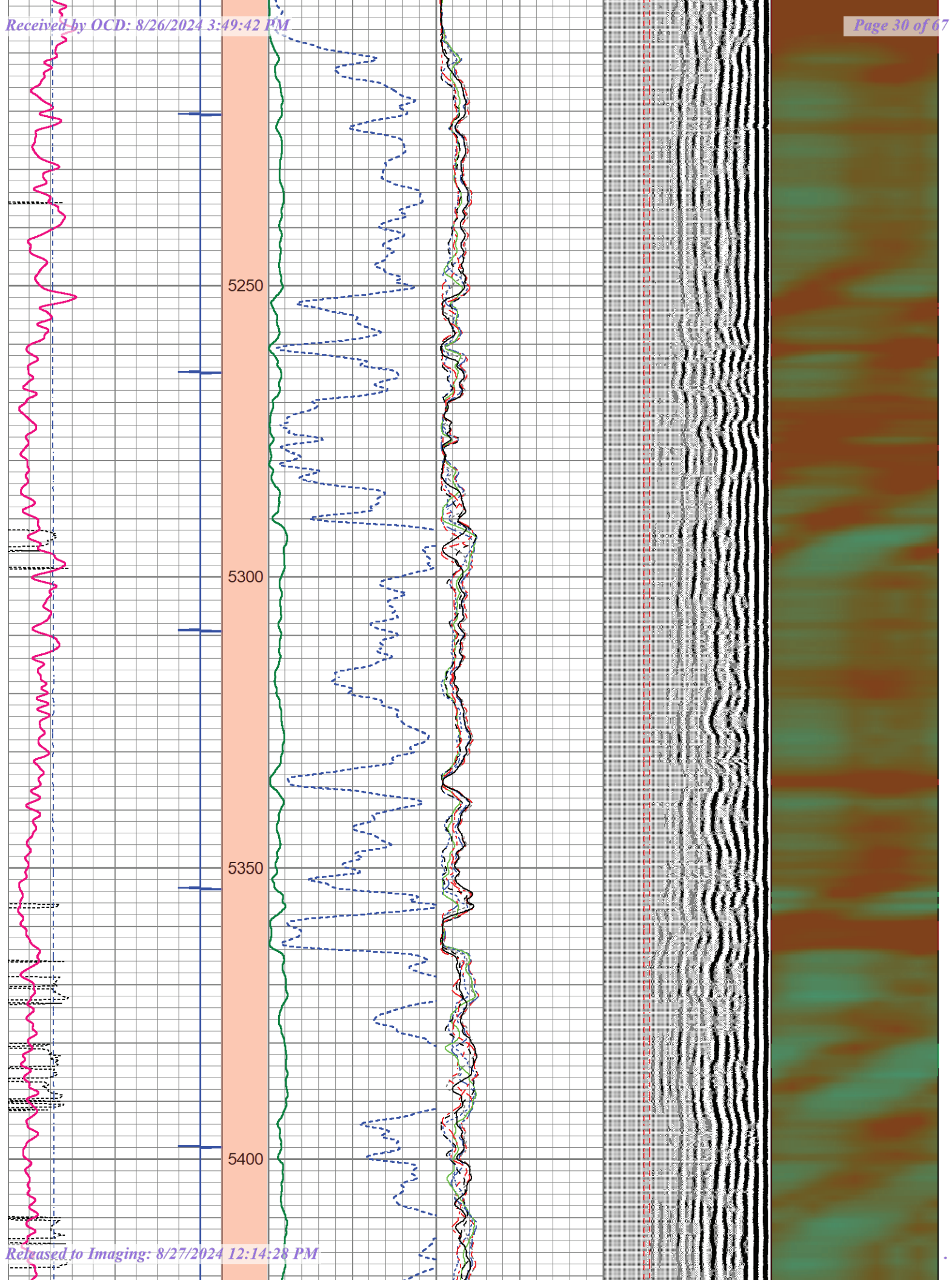


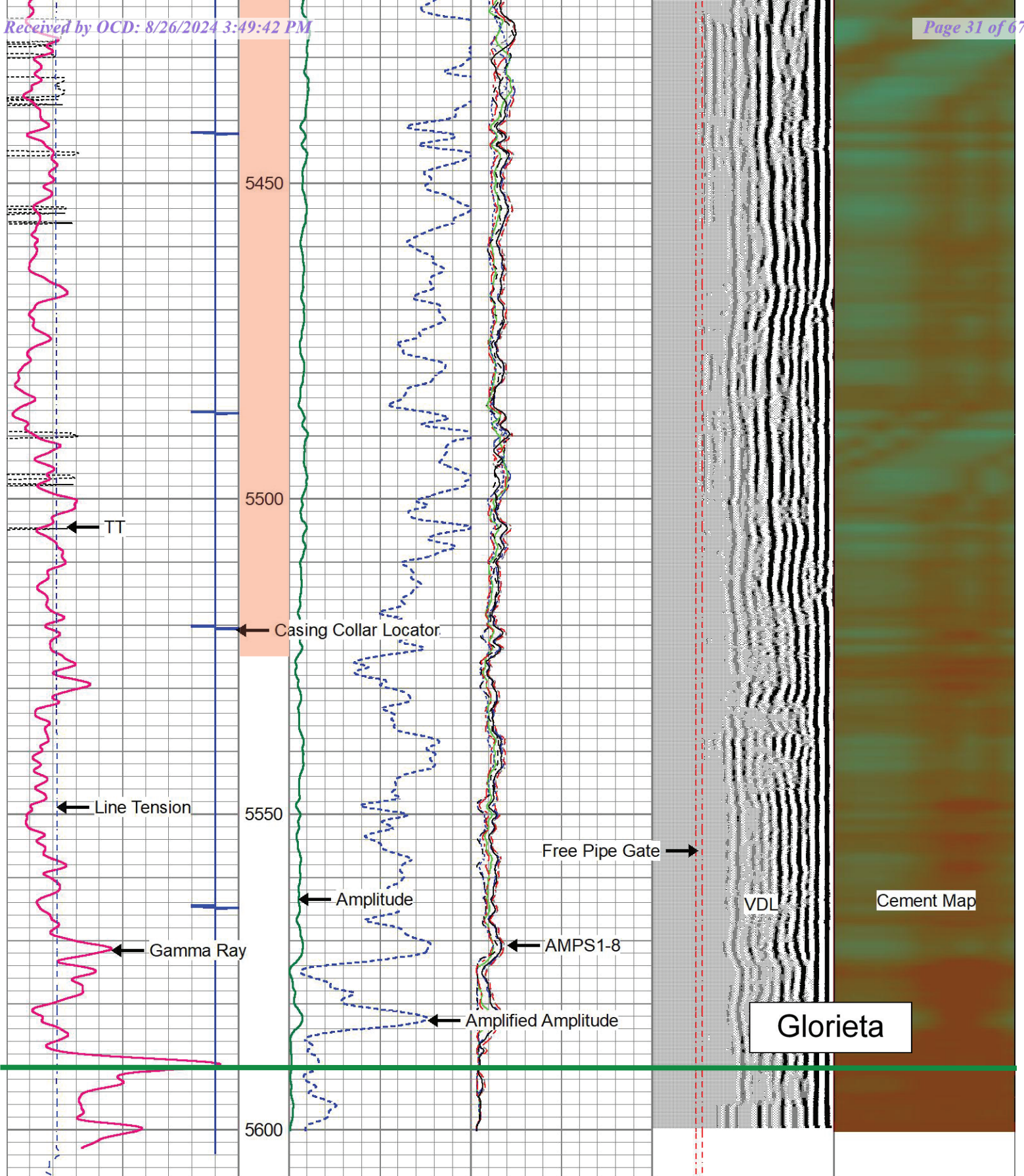












366	TT (usec)	266	0	Amplitude (mV)	100	-5	AMPS2	150	200	VDL (usec)	1200	Cement Map
0	GR (GAPI)	150	0	Amplified Amplitude	(mV)	10	-5	AMPS3	150	Free Pipe Gate		
0	LTEN (lb)	4000	-5	-5	-5	-5	-5	AMPS4	150			
-9	CCL	1	-5	-5	-5	-5	-5	AMPS5	150			
			-5	-5	-5	-5	-5	AMPS6	150			
			-5	-5	-5	-5	-5	AMPS7	150			
			-5	-5	-5	-5	-5	AMPS8	150			



REPEAT PASS - 0 PSI

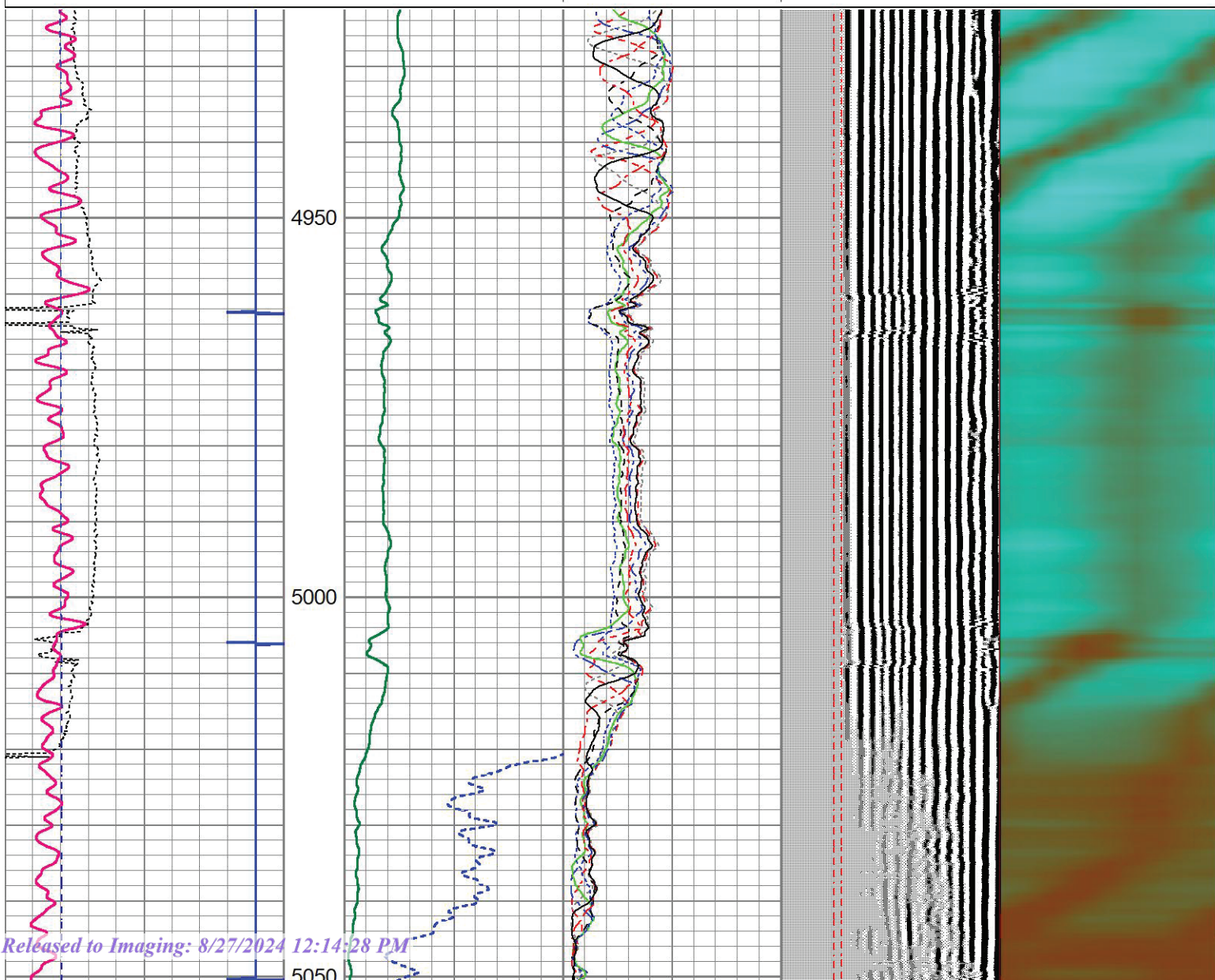
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 Presentation Format scbl5_5
 Dataset Creation Wed Dec 28 12:55:03 2022
 Charted by Depth in Feet scaled 1:240

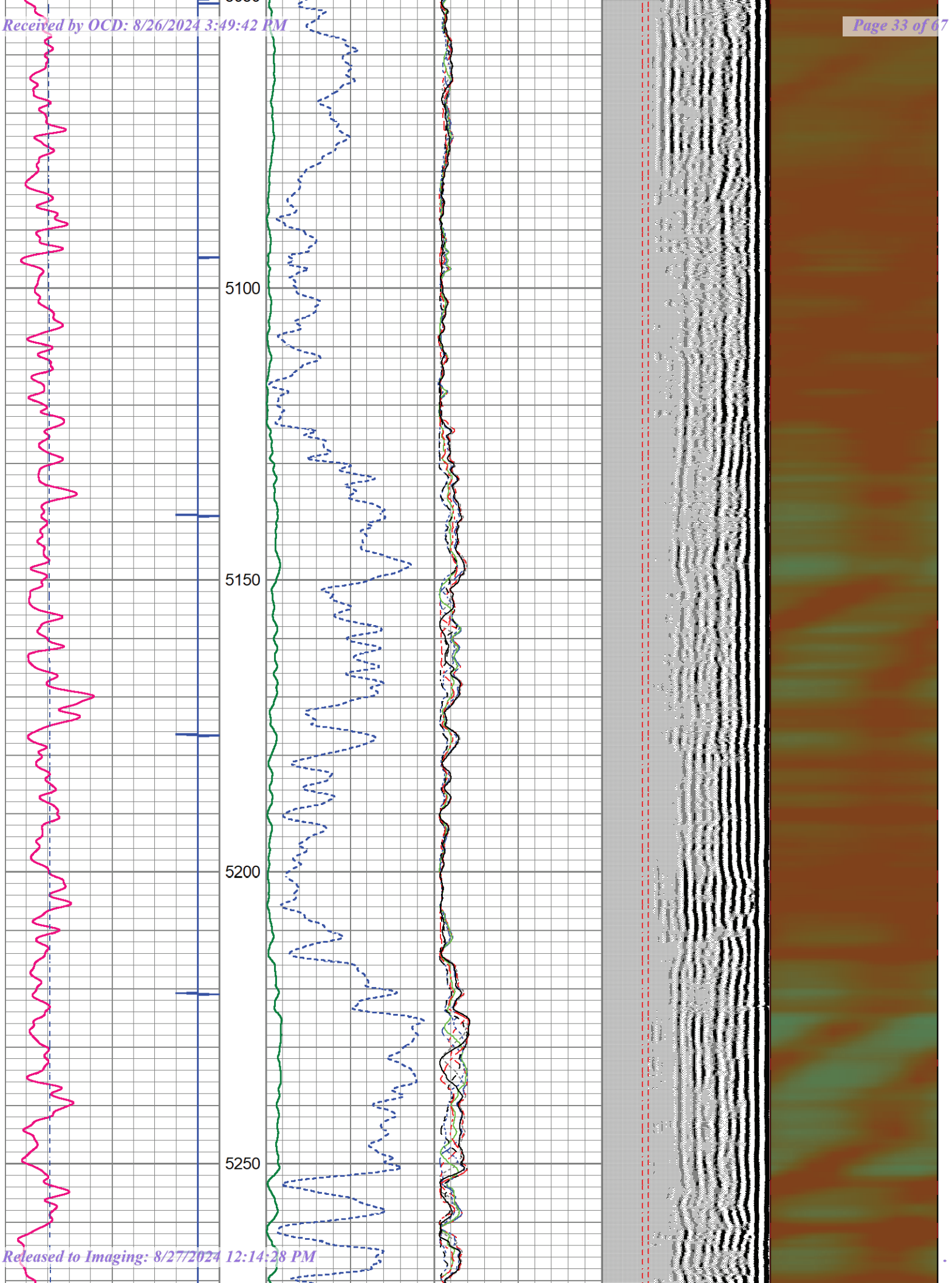
366	TT (usec)	266
0	GR (GAPI)	150
0	LTEN (lb)	4000
-9	CCL	1

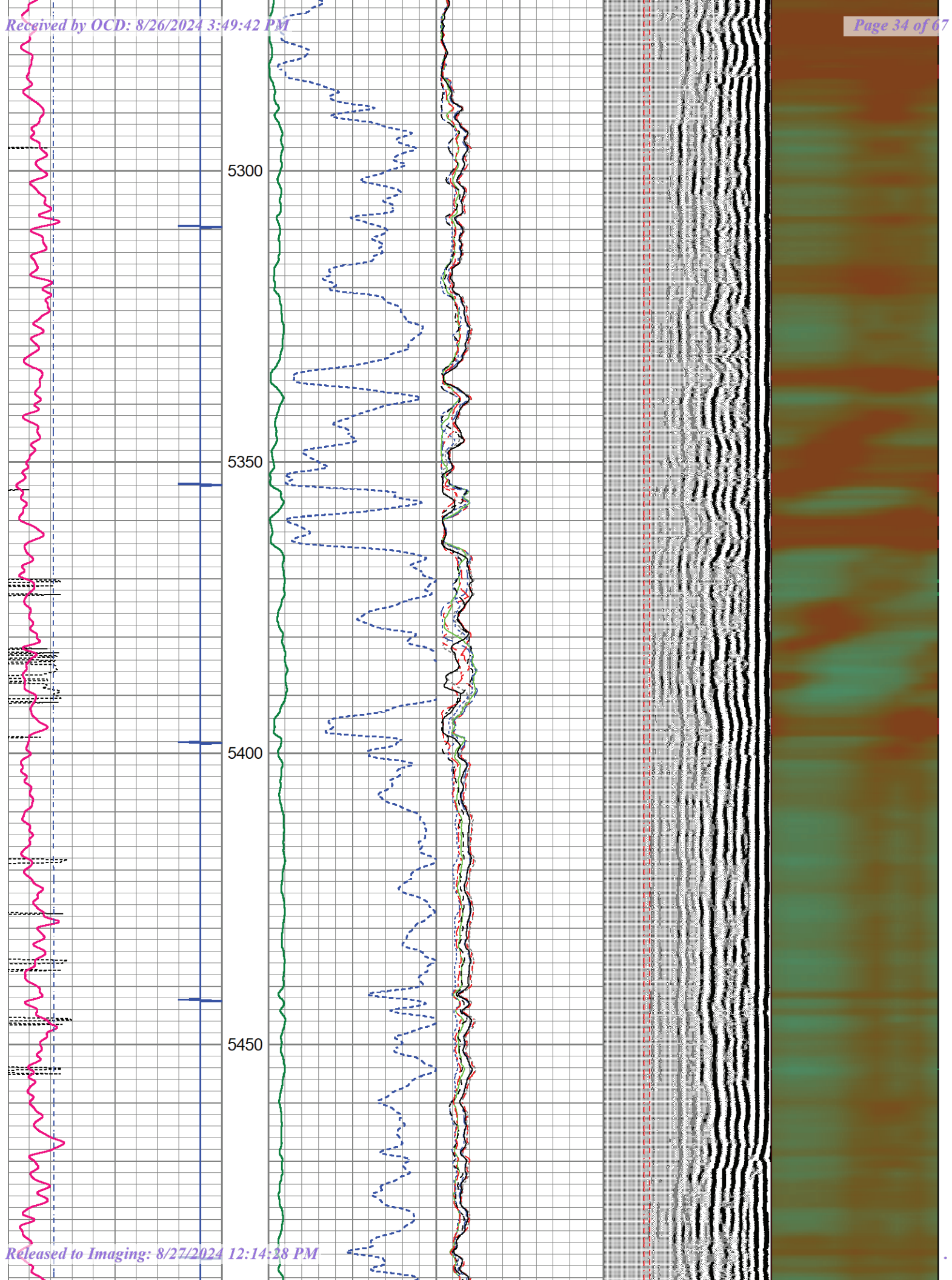
0	Amplitude (mV)	100	-5	AMPS2	150
	Amplified Amplitude		-5	AMPS3	150
0	(mV)	10	-5	AMPS4	150
			-5	AMPS5	150
			-5	AMPS6	150
			-5	AMPS7	150
			-5	AMPS8	150
			-5	AMPS1	150

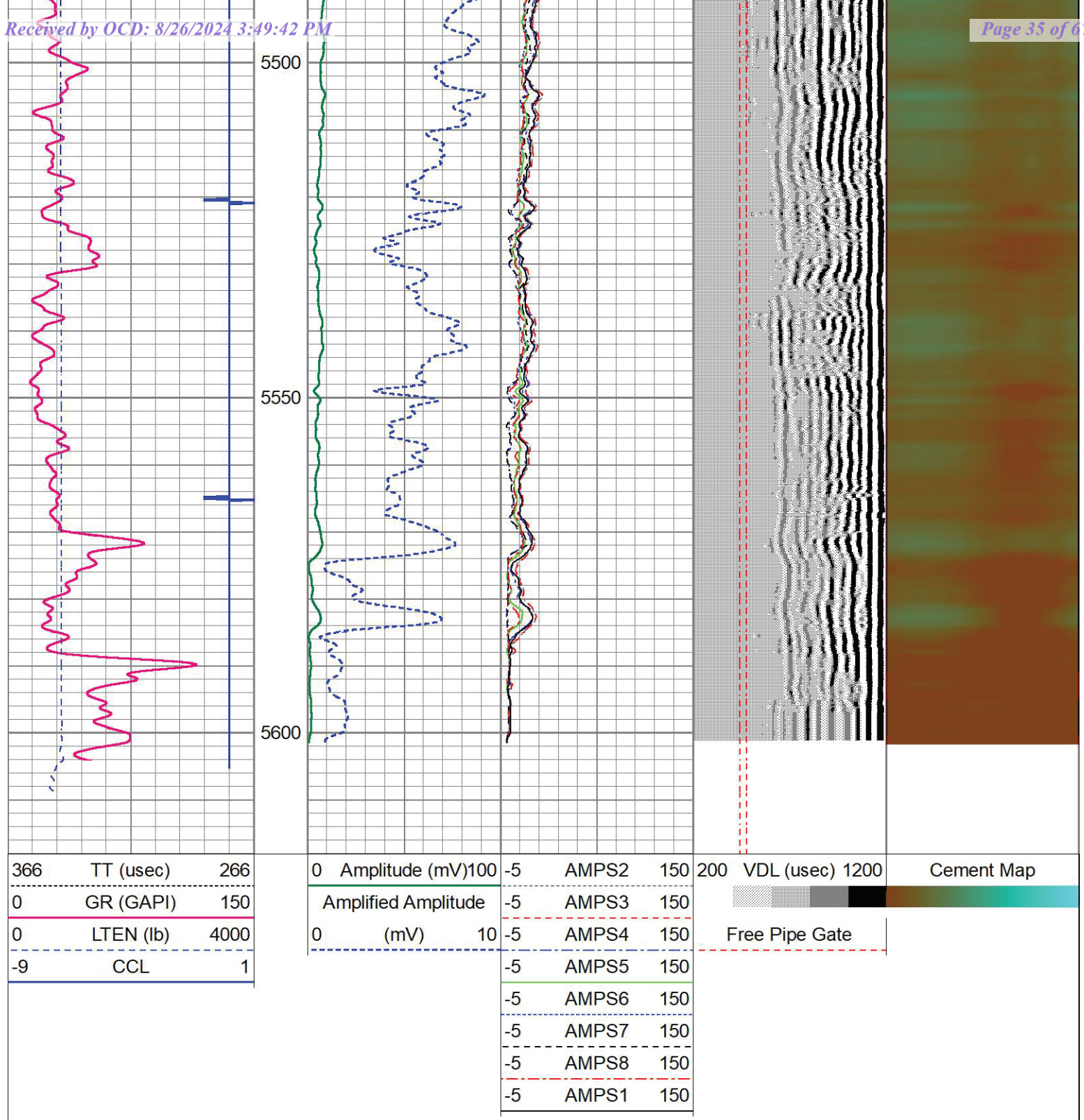
200 VDL (usec) 1200 Cement Map

Free Pipe Gate









Log Variables

Database: C:\ProgramData\Warrior\Data\cambrian_andredawsonswd1_rcbl_122822.db
 Dataset: field/well/run1/pass9/_vars_

Top - Bottom

BOREID in 12.25	BOTTEMP degF 100	CASEOD in 9.625	CASETHCK in 0	CASEWGHT lb/ft 40	MAXAMPL mV 0	MINAMPL mV 1	MINATTN db/ft 0.8
PERFS No	PPT usec 0	SRFTEMP degF 0	TDEPTH ft 0				

BOREID : Borehole I.D.
 BOTTEMP : Bottom Hole Temperature
 CASEOD : Casing O.D.
 CASETHCK : Casing Thickness

CASEWGHT : Casing Weight
 MAXAMPL : Maximum Amplitude
 MINAMPL : Minimum Amplitude
 MINATTN : Minimum Attenuation

PERFS : Perforation Flag
 PPT : Predicted Pipe Time
 SRFTEMP : Surface Temperature
 TDEPTH : Total Depth

Calibration Report

Database File cambrian_andredawsonswd1_rcbl_122822.db
 Dataset Pathname pass9
 Dataset Creation Wed Dec 28 13:51:32 2022

Gamma Ray Calibration Report

Serial Number: GC275-0000_base
 Tool Model: GC275-0000
 Performed: (Not Performed)

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: FW2112-024(Corrosion)
 Tool Model: RADII-275C

Calibration Casing Diameter: 9.620 in
 Calibration Depth: 306.017 ft

Master Calibration, performed Wed Dec 28 12:05:00 2022:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.012	0.728	1.000	51.296	70.230	0.168
CAL	0.001	0.727				
5'	0.004	0.682	1.000	51.296	74.184	0.712
SUM						
S1	0.005	0.729	0.000	100.000	138.252	-0.724
S2	0.011	0.726	0.000	100.000	139.986	-1.576
S3	0.003	0.720	0.000	100.000	139.441	-0.369
S4	0.001	0.712	0.000	100.000	140.737	-0.192
S5	0.002	0.712	0.000	100.000	140.867	-0.253
S6	0.003	0.718	0.000	100.000	139.690	-0.362
S7	0.006	0.724	0.000	100.000	139.434	-0.906
S8	0.004	0.730	0.000	100.000	137.736	-0.535

Internal Reference Calibration, performed (Not Performed):


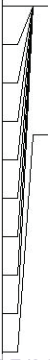
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.001	0.727	1.000	0.000

Air Zero Calibration, performed Wed Dec 28 12:05:39 2022:

	Zero	Zero	Offset
3'	0.001	0.000	0.011
5'	0.002	0.000	0.002
SUM			
S1	0.001	0.000	0.005
S2	0.002	0.000	0.010
S3	0.001	0.000	0.001
S4	0.001	0.000	0.000
S5	0.001	0.000	0.001
S6	0.002	0.000	0.001
S7	0.001	0.000	0.005
S8	0.002	0.000	0.002

Inclinometer Calibration Report

Performed:	(Not Performed)				
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	0.00	1.00	0.00	1.00	gee
Y Accelerometer	0.00	1.00	0.00	1.00	gee
Z Accelerometer	0.00	1.00	0.00	1.00	gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GCT_FMWR	14.65		CHD-1.4375CHD Titan Cable Head 1 7/16	1.00	1.44	10.00
mSec_Count	14.65					
RBT_Status	14.65					
Error_Ct	14.65					
RBT_HV	13.65					
WVFS8	9.15		RBT8-RADII-275C (FW2112-024(Corrosion)) Probe 2.75" RADII 8 Sector Bond Tool	8.75	2.75	
WVFS7	9.15					
WVFS6	9.15					
WVFS5	9.15					
WVFS4	9.15					
WVFS3	9.15					
WVFS2	9.15					
WVFS1	9.15					
WVF3FT	9.15					
WVF5FT	8.15					

RBT_ACCZ	4.90					
RBT_ACCY	4.90					
RBT_ACCX	4.90					
GCT_HV	4.90					
WVFSYNC	4.90					
WVFCAL	4.90					
CCL\$2	3.96					
CCL\$1	3.96					
GR	2.72		GCacc-GC275-0000 (GC275-0000_base) Probe 2.75" Gamma Ray - CCL	4.57	2.75	55.00
GCT_IntTemp	2.00		Plug-FA108-0000 1.38" Bull Plug	0.33	1.38	1.00

Dataset: cambrian_andredawsonswd1_rcbl_122822.db: field/well/run1/pass9
 Total length: 14.65 ft
 Total weight: 66.00 lb
 O.D.: 2.75 in

Company Cambrian Management
 Well Andre Dawson SWD #001
 Field
 County Lea State NM



Radial Cement Bond
 Gamma-Ray / Collar
 Log

C-105 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	
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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Section 1 - Operator and Well Information

Submittal Type: <input type="checkbox"/> New Well <input type="checkbox"/> Workover <input type="checkbox"/> Deepening <input checked="" type="checkbox"/> Plugback <input type="checkbox"/> Different Reservoir <input type="checkbox"/> C-144 Closure Attachment <input type="checkbox"/> Other	
Operator Name: <small>Empire New Mexico, LLC</small>	OGRID: 330679
Property Name and Well Number: Eunice Monument South Unit 462	Property Code:
Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal	API Number: 30-0 <small>25-29622</small>
Pool Name: Eunice Monument;Grayburg-San Andres	Pool Code: 23000

Section 2 – Well Location

	UI or lot no.	Section	Township	Range	Lot Id	Feet from	N/S Line	Feet from	E/W Line	County
SHL:	L	09	21S	36E		2590	South	50	West	Lea
BHL	L	09	21S	36E		2590	South	50	West	Lea

Section 3 – Completion Information

Well was converted not drilled.

Date T.D. Reached 2/1/2014	Total Measured Depth of Well 4212'	Acid Volume (bbls) 87	<input type="checkbox"/> Directional Survey Submitted <input checked="" type="checkbox"/> Deviation Survey Submitted
Date Rig Released 2/1/2014	Plug-Back Measured Depth 4212'	Completion Fluid Used (bbls) Fresh Water	Were Logs Ran (Y/N) Yes
Completion Date 1/29/2014	Perforations (MD and TVD) <small>3900 - 898', 93' - 90', 87' - 73', 62' - 59', 42' - 35', 28' = 26', 51' - 18', 14' - 11', 797' - 94'</small>	Completion Proppant Used (lbs) n/a	List Type of Logs Ran if applicable: CCL

Section 4 – Action IDs for Submissions and Order Numbers

Surface Casing Action ID: n/a	UIC Permit/Order (UIC wells only) <input type="checkbox"/> Yes <input type="checkbox"/> No, Order No.
Intermediate 1 Casing Action ID: n/a	NOI Recomplete Action ID (if applicable): <small>n/a</small>
Intermediate 2 Casing Action ID: n/a	NOI Plugback Action ID (if applicable): n/a
Production Casing Action ID: <small>n/a</small>	Cement Squeeze Action ID (if applicable): <small>n/a</small>
Tubing Action ID: n/a	All casing was pressure tested in accordance with NMAC <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Liner 1 Action ID: <small>n/a</small>	Casing was installed prior to Action ID system (Y/N): Yes

Section 5 – Test Data

Date First Production 2/10/2014	Production Method ESP	Well Status Down - GDH ESP	Gas – Oil Ratio
Date of Test 2/10/2014	Choke Size 64/64	Flowing Tubing Pressure	Casing Pressure
24 hr Oil (bbls) 3	24 hr Gas (MCF) 0	24 hr Water (bbls) 561	Oil Gravity - API
Disposition of Gas: The gas goes through the satellite system to the purchaser line.			

Section 6 – Pits

<input type="checkbox"/> A temporary pit was used at the well. If so, attach a plat with the location of the temporary pit. <input checked="" type="checkbox"/> A Closed Loop System was used. <input type="checkbox"/> If an on-site burial was used at the well, report the exact location of the on-site burial: LAT: _____ LONG: _____

Section 7 - Operator Signature and Certification

<input type="checkbox"/> I hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion. Well was not frac'd.	
<input type="checkbox"/> I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well's completion.	
<input checked="" type="checkbox"/> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.	
Name Nathan Sandel	
Title Production Engineer	Date 08/12/2024

BEFORE THE OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

Exhibit No. F-7
Submitted by: Goodnight Midstream Permian, LLC
Hearing Date: September 23, 2024
Case Nos. 23614-23617, 23775,
24018 – 24020, 24025, 24123

South Formations				North Formations			
Formation/Zone	MD	TVD	W/O/G	Formation/Zone	MD	TVD	W/O/G
T. Anhy				T. San Jose			
T. Salt				T. Nacimiento			
B. Salt				T. Ojo Alamo			
T. Yates				T. Kirtland			
T. 7 Rivers				T. Fruitland			
T. Queen	3456'		n/a	T. Pictured Cliffs			
T. Grayburg	3751'		O/W/G	T. Lewis Shale			
T. San Andres	4100'		W	T. Chacra			
T. Glorieta				T. Cliff House			
T. Yeso				T. Menefee			
T. Paddock				T. Point Lookout			
T. Blinebry				T. Mancos			
T. Tubb				T. Gallup			
T. Drinkard				T. Greenhorn			
T. Abo				T. Graneros			
T. Wolfcamp				T. Dakota			
T. Penn				T. Morrison			
T. Cisco				T. Bluff			
T. Canyon				T. Todilto			
T. Strawn				T. Entrada			
T. Atoka				T. Wingate			
T. Morrow				T. Chinle			
T. Barnett Shale				T. Permian			
T. Miss				T. Penn A"			
T. Woodford Shale				T. Penn. "B"			
T. Devonian				T. Penn. "C"			
T. Silurian				T. Penn. "D"			
T. Fusselman				T. Leadville			
T. Montoya				T. Madison			
T. Simpson				T. Elbert			
T. McKee				T. McCracken			
T. Waddell				T. Ignacio Otzte			
T. Connel				T. Granite			
T. Ellenburger				T. Hermosa			
T. Gr. Wash				T. De Chelly			
T. Delaware Sand				T. Pinkerton			
T. Lamar Lime							
T. Bell Canyon							
T. Cherry Canyon							
T. Brushy Canyon							
T. Bone Springs							
T. 1st BS Sand							
T. 2nd BS Carbonate							
T. 2nd BS Sand							
T. 3rd BS Carbonate							
T. 3rd BS Sand							

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.
30-025-29622
5. Indicate Type of Lease
STATE [X] FEE []
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name
Eunice Monument South Unit
8. Well Number 462
9. OGRID Number 330679
10. Pool name or Wildcat
Eunice Monument; Grayburg-San Andres
11. Elevation (Show whether DR, RKB, RT, GR, etc.)

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 [X] Gas Well [] Other []
2. Name of Operator
Empire Petroleum Corporation - New Mexico
3. Address of Operator
2200 S. Utica Place Suite 150, Tulsa, Oklahoma 74114
4. Well Location
Unit Letter L : 2590 feet from the South line and 50 feet from the West line
Section 9 Township 21S Range 36E NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.)

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: []
SUBSEQUENT REPORT OF:
REMEDIAL WORK [] ALTERING CASING []
COMMENCE DRILLING OPNS. [] P AND A []
CASING/CEMENT JOB []
OTHER: RECORD CLEAN UP-WSW TO PROD. CONV. [X]

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.

- 1. MIRU WOR.
2. RIH with bit and scraper to 4344'.
3. RIH with CIBP and set @ 4281'. Tested casing to 500 psi - held.
4. Changed out wellhead and RIH with 5-1/2" float collar, 96 jts of 5-1/2" 17# J-55 casing and tagged CIBP.
5. MIRU cementers and pump 10 bbls FW, 275 sks of Class C 35/36 lead, 12.4#, 2.10 yield, 11.68 gal/sk and 300 sks Class C 50/50 tail cmt 14#, 1.25 yield, 5.6 gal/sk. 2 sk circulated to surface.
6. DO to 4212' and pressure tested - held.
7. MIRU WLU, correlate depth with GR/CCL, and perforated: 3900 - 898', 93' - 90', 87' - 73', 62' - 59', 28' - 26', 21' - 18', 14' - 11', 797' - 94' (80 total shots).
8. Cleaned perms with acid.
9. RIH with tbg, cable, and ESP.
10. ND BOP NU WH.
11. RDMO on 2/1/2014.

Spud Date: []

Rig Release Date: []

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

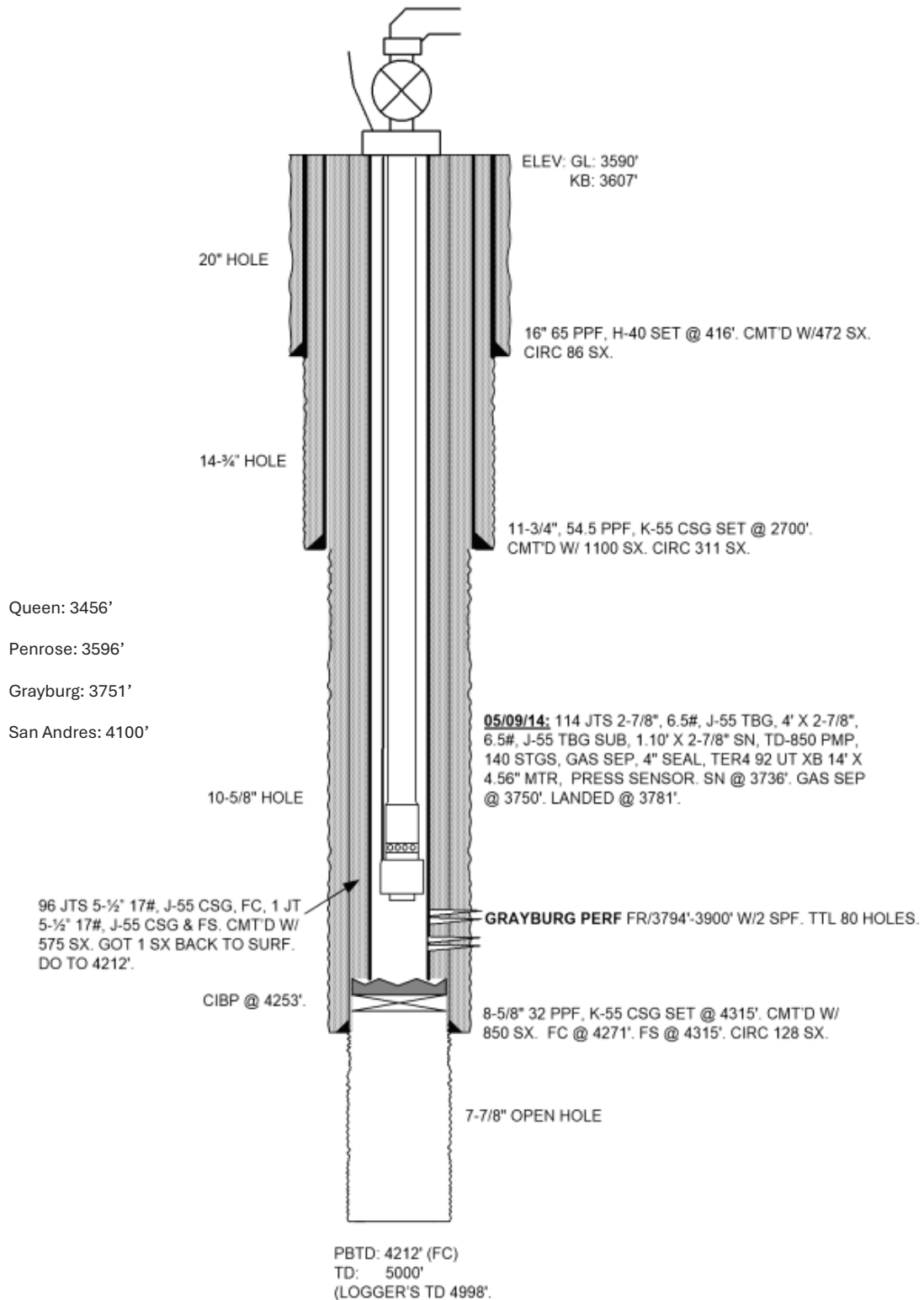
SIGNATURE Nathan Sandel TITLE Production Engineer DATE 08/08/2024

Type or print name Nathan Sandel E-mail address: nsandel@empirepetrocorp.com PHONE: 918-404-4202
For State Use Only

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

Current WBD



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 372057

CONDITIONS

Operator: Empire New Mexico LLC 2200 S. Utica Place Tulsa, OK 74114	OGRID: 330679
	Action Number: 372057
	Action Type: [C-103] Sub. (Re)Completion Sundry (C-103T)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	Record clean up, please submit a C-104 packet to OCD Permitting.	8/12/2024

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-101
Revised July 18, 2013

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Empire New Mexico, LLC 2200 S. Utica Place, Suite 150 Tulsa, OK 74114 918-404-4202		² OGRID Number 330679
		³ API Number 30-025-29149
⁴ Property Code 330840	⁵ Property Name Eunice Monument South Unit	⁶ Well No. 457

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
I	5	21 S	36 E		1500	S	1280	E	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
I	5	21 S	36 E		1500	S	1280	E	Lea

9. Pool Information

⁹ Pool Name EUNICE MONUMENT;GRAYBURG-SAN ANDRES	¹⁰ Pool Code 23000
---	----------------------------------

Additional Well Information

¹¹ Work Type A	¹² Well Type WSW	¹³ Cable/Rotary R	¹⁴ Lease Type S	¹⁵ Ground Level Elevation 3578.6'
¹⁶ Multiple N	¹⁷ Proposed Depth 3975'	¹⁸ Formation Eunice Monument; Grayburg- San Andres	¹⁹ Contractor TBD	²⁰ Spud Date June 15, 2024
Depth to Ground water 1,128' in CP 00670 POD 1		Distance from nearest fresh water well 6638' SE of CP 00670 POD 1		Distance to nearest surface water 21757' SE (Eunice Municipal Recreational Area)

We will be using a closed-loop system in lieu of lined pits.

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	20"	16"	65# H-40	GL - 417'	500	65'
Intermediate	14-3/4"	11-3/4"	54# K-55	GL - 2836.8'	1675	GL
Production	10-5/8"	8-5/8"	32# K-55	GL - 5000'	1600	GL

Casing/Cement Program: Additional Comments

Will perforate Grayburg Zones and abandon the San Andres formation (currently TA'd with CIBP and 35' cmt).

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular & Double Rams	5000	5000	TBD

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature: <i>Nathan Sandel</i>	OIL CONSERVATION DIVISION	
	Approved By:	
Printed name: Nathan Sandel	Title:	
Title: Production Engineer	Approved Date:	Expiration Date:
E-mail Address: nsandel@empirepetrocorp.com	BEFORE THE OIL CONSERVATION COMMISSION	
Date: 05/29/2024	Phone: 918-404-4202	Santa Fe, New Mexico Exhibit No. F-8

Submitted by: Goodnight Midstream Permian, LLC

Hearing Date: September 23, 2024

Case Nos. 23614-23617, 23775,

24018 - 24020, 24025, 24123

State of New Mexico
 Energy, Minerals and Natural Resources Department

Submit Electronically
 Via E-permitting

Oil Conservation Division
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description

Effective May 25, 2021

I. Operator: EMPIRE NEW MEXICO LLC **OGRID:** 330679 **Date:** 05/28/2024

II. Type: Original Amendment due to 19.15.27.9.D(6)(a) NMAC 19.15.27.9.D(6)(b) NMAC Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Eunice Monument South Unit 457	30-025-29149	I-05-21S-36E	1500 FSL	12	5	300
			1280 FEL			

IV. Central Delivery Point Name: EXISTING DCP PIPELINE ON EMPIRE'S SATELLITE #4 PAD [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Eunice Monument South Unit 457	30-025-29149	09/15/1985	10/03/1985	10/09/1985	10/11/1985	10/11/1985

VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system will will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator does does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

Attach Operator’s plan to manage production in response to the increased line pressure.

XIV. Confidentiality: Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

If Operator checks this box, Operator will select one of the following:

Well Shut-In. Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: <i>Nathan Sandel</i>
Printed Name: Nathan Sandel
Title: Production Engineer
E-mail Address: nsandel@empirepetrocorp.com
Date: 04/28/2024
Phone: 918-404-4202
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:

VI. Separation Equipment

Existing separation equipment on Empire's Monument 36 State 2 pad will be used. Separated gas will then be piped into an existing Targa pipeline on the same pad.

VII. Operational Practices

NMAC 19.15.27.8 (A) Venting & Flaring of Natural Gas

1. Empire New Mexico LLC will comply with NMAC 19.15.27.8 – venting and flaring of gas during drilling, completion, or production that constitutes waste as defined in 19.15.2 is banned.

NMAC 19.15.27.8 (B) Venting & Flaring During Drilling

1. Empire New Mexico LLC will capture or combust gas if technically feasible during drilling operations using best industry practices.
2. A flare stack with a 100% capacity for expected volume will be set on the pad ≥ 100 feet from the nearest well head and storage tank.
3. In an emergency, Empire New Mexico LLC will vent gas in order to avoid substantial impact. Empire New Mexico LLC will report vented or flared gas to the NMOCD.

NMAC 19.15.27.8 (C) Venting & Flaring During Completion or Recompletion

1. Facilities will be built and ready from the first day of flowback.
2. Test separator will properly separate gas and liquids. Temporary test separator will be used initially to process volumes. In addition, separator will be tied into flowback tanks, which will be tied into the gas processing equipment for sale down a pipeline.
3. Should the facility not be ready to process gas, or the gas does not meet quality standards, then storage tanks will be set that are tied into gas busters or a temporary flare to manage all gas. This flare would meet the following requirements:
 - a. An appropriately sized flare stack with an automatic igniter.
 - b. Empire New Mexico LLC analyzes gas samples twice a week.
 - c. Empire New Mexico LLC flows the gas into a gather line as soon as the line specifications are met.
 - d. Empire New Mexico LLC provides the NMOCD with pipeline specification and natural gas data.

NMAC 19.15.27.8 (D) Venting & Flaring During Production

Empire New Mexico LLC Will not vent or flare natural gas except:

1. During an emergency or malfunction
2. To unload or clean-up liquid holdup in a well to atmospheric pressure, provided
 - a. Empire New Mexico LLC does not vent after the well achieves a stabilized rate and pressure
 - b. Empire New Mexico LLC Will be on-site while unloading liquids by manual purging and take all reasonable actions to achieve a stabilized rate and pressure as soon as possible.

- c. Empire New Mexico LLC Will optimize the system to minimize gas venting if the well is equipped with a plunger lift or auto control system.
 - d. Best management practices will be used during downhole well maintenance.
3. During the first year of production from an exploratory well, provided
 - a. Empire New Mexico LLC receives approval from the NMOCD.
 - b. Empire New Mexico LLC stays in compliance with the NMOCD gas capture requirements.
 - c. Empire New Mexico LL submits an updated C-129 form to the NMOCD.
4. During the following activities unless prohibited
 - a. Gauging or sampling a storage tank or low-pressure production vessel.
 - b. Loading out liquids from a storage tank.
 - c. Repair and maintenance.
 - d. Normal operation of a gas-activated pneumatic controller or pump.
 - e. Normal operations of a storage tank but not including venting from a thief hatch.
 - f. Normal operation of dehydration units.
 - g. Normal operations of compressors, engines, turbines, valves, flanges, & connectors.
 - h. During a bradenhead, packer leakage test, or production test lasting <24 hours.
 - i. When natural gas does not meet the gathering line specifications.
 - j. Commissioning of pipes, equipment, or facilities only for as long as necessary to purge introduced impurities.

NMAC 19.15.27.8 (E) Performance Standards

1. Empire New Mexico LLC will use a safety factor to design the separation and storage equipment. The equipment will be routed to a vapor recovery system and use a flare as back up for a startup, shutdown, maintenance, or malfunction of the VRU system.
2. Empire New Mexico LLC will install a flare that will handle the full volume of vapors from the facility in case of VRU failure. It will have an auto-ignition system.
3. Flare stacks will be appropriately sized and designed to ensure proper combustion efficiency.
 - a. Flare stacks installed or replaced will be equipped with an automatic ignitor or continuous pilot.
 - b. Previously installed flare stacks will be retrofitted within 18 months of May 25, 2021, with an automatic ignitor, continuous pilot, or technology that alerts Empire New Mexico LLC to flare malfunction.
 - c. Flare stacks replaced after May 25, 2021, will be equipped with an automatic ignitor or continuous pilot if at a well or facility with an average production of ≤ 60 mcf of natural gas.
 - d. Flare stacks will be located >100 feet from well head and tanks and securely anchored.
4. Empire New Mexico LLC will conduct an AVO inspection on all components for leaks and defects every week.
5. Empire New Mexico LLC will make and keep records of AVO inspections available to the NMOCD for at least 5 years.
6. Empire New Mexico LLC may use a remote or automated monitoring technology to detect leaks and releases in lieu of AVO inspections with prior NMOCD approval.
7. Facilities will be designed to minimize waste.
8. Empire New Mexico LLC will resolve emergencies as promptly as possible.

NMAC 19.15.27.8 (F) Measuring or Estimating Vented & Flared Natural Gas

1. Empire New Mexico LLC will have meters on both the low and high-pressure sides of the flares. Volumes will be recorded in the SCADA systems.
2. Empire New Mexico LLC will install equipment to measure the volume of flared natural gas that has an average production of ≥ 60 mcf/d.
3. Empire New Mexico LLC's measuring equipment will conform to the industry standards.
4. Measurement system will be designed such that it cannot be bypassed except for inspections and servicing meters.
5. Empire New Mexico LLC will estimate the volume of vented or flared gas using a methodology that can be independently verified if metering is not practicable due to low flow rate or pressure.
6. Empire New Mexico LLC will estimate the volume of vented and flared gas based on the results of an annual GOR test for wells that do not require measuring equipment reported on form C-116.
7. Empire New Mexico LLC will install measuring equipment whenever the NMOCD determines that metering is necessary.

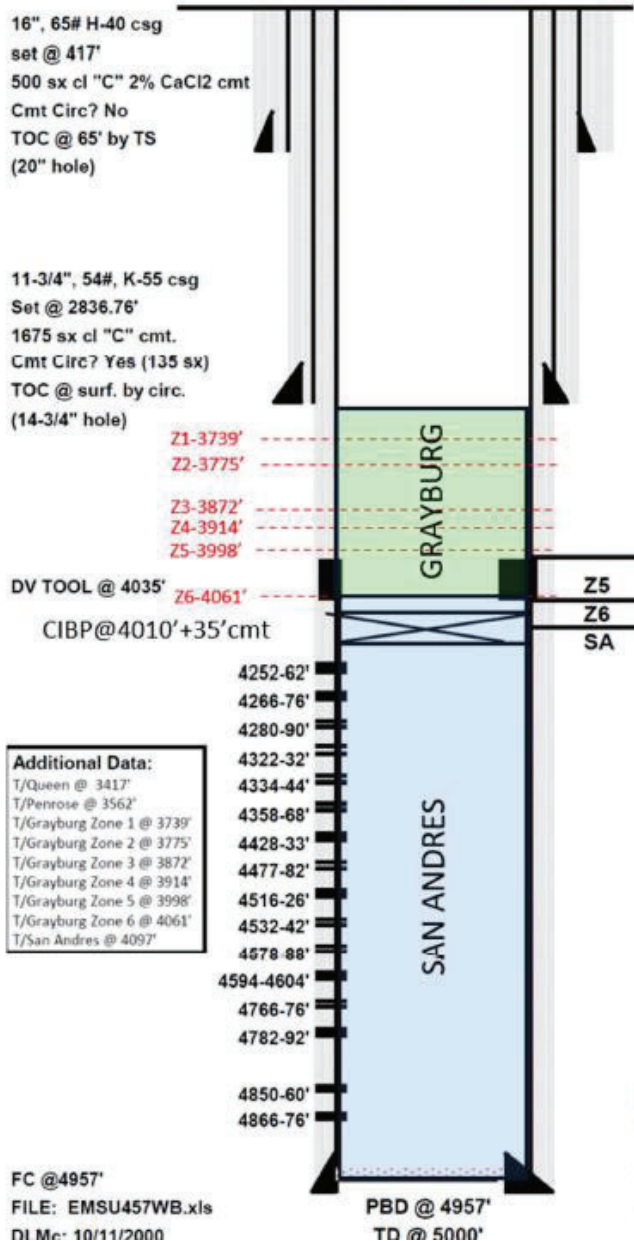
VIII. Best Management Practices

Empire New Mexico LLC will minimize venting during maintenance by:

1. System will be designed and operated to route storage tank and process equipment emissions to the VRU. If the VRI is not operable, then vapors will be routed to the flare.
2. Scheduling maintenance for multiple tasks to minimize the need for blowdowns.
3. After completion of maintenance, gas will be flared until it meets pipeline specifications.

Current WBD

LEASE: EMSU	WELL: 457	FIELD: Eunice-Monument	API: 30-025-29149
LOC: 1500 FNL & 1280 FEL, Unit	SEC: 5	BLK: T21S, R36E	REF NO: FR0470
SVY: N.M.P.M.	GL: 3578.6'	CTY/ST: Lea / NM	SPUD: 9/14/1985
CURRENT STATUS: WS	KB: 3596.6	DF: 3595.6	TD DATE: 10/3/1985



Date Completed: 10-6-1985
Initial Prod: 16,640BWPh
Initial Formation: San Andres From: 4252' To: 4850'

Completion Data:
9-15-1985 Drill to 3646'. Core 3646'-3954' w/ 6" core barrel. DST #1 3806-3877'. DST #2 3637-3769'. Ream 3500' - 3954' & drill to 5000'. Log Schl. LDT-NGT-ENL-GR, DLL, EMP, BHC-SONIC & DIPMETER (logr TD @ 4997'). Run 8-5/8" csg.
10-6-1985 DO cmt & DV tool to 4957'. Run logs CBL, CCL, & GR. No cmt f/ DV down. Perf 4850-60', 4866-76', 4766-76', 4782-92', 4578-88', 4594-4604', 4532-42', 4516-26', 4322-32', 4334-44', 4358-68', 4252-62', 4266-76', 4280-90', 4428-33', & 4477-82'. Acdz 4876-4766' w/ 4000 gals NEFE 15% HCl. Acdz 4604-4428' w/ 6000 gals NEFE 15% HCl. Acdz perfs 4368-4252' w/ 6000 gals NEFE 15% HCl. Swb. Rec 276 BW in 61 runs in 5.5 hrs. SFL @1200'; FER 8 BPM. RIH w/ prod tbg & sub pmp. Tst pmp 16,640 BWPH.

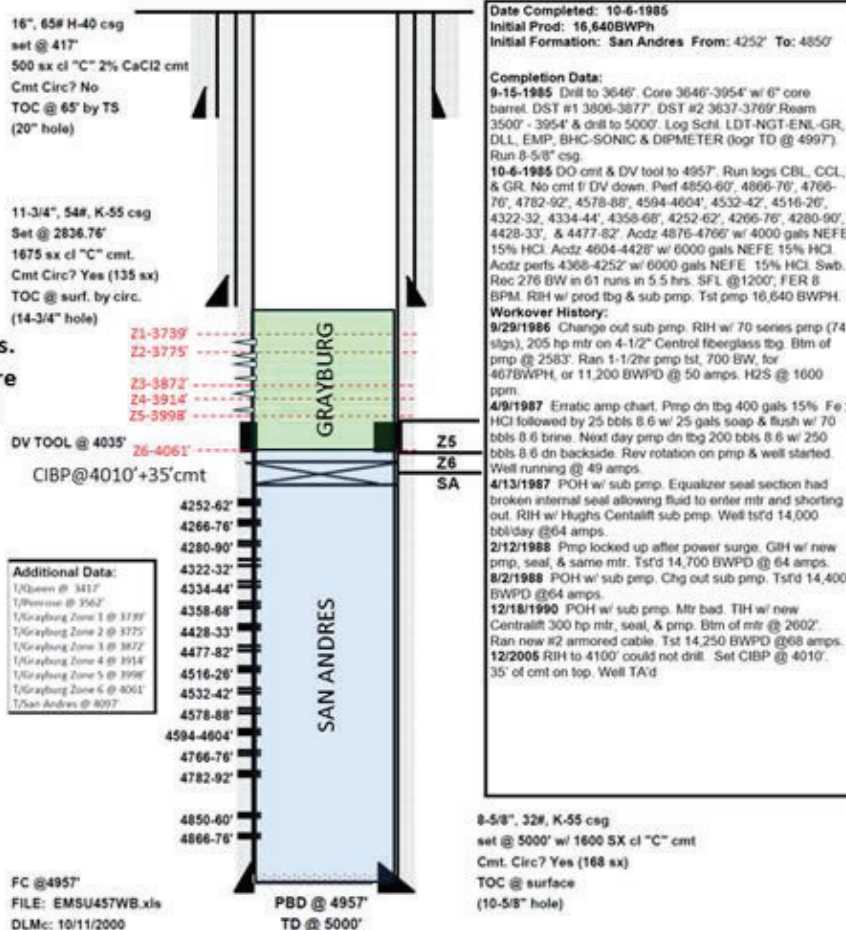
Workover History:
9/29/1986 Change out sub pmp. RIH w/ 70 series pmp (74 stgs), 205 hp mtr on 4-1/2" Centrol fiberglass tbg. Btm of pmp @ 2583'. Ran 1-1/2hr pmp tst, 700 BW, for 467BWPH, or 11,200 BWPD @ 50 amps. H2S @ 1600 ppm.
4/9/1987 Erratic amp chart. Pmp dn tbg 400 gals 15% Fe. HCl followed by 25 bbls 8.6 w/ 25 gals soap & flush w/ 70 bbls 8.6 brine. Next day pmp dn tbg 200 bbls 8.6 w/ 250 bbls 8.6 dn backside. Rev rotation on pmp & well started. Well running @ 49 amps.
4/13/1987 POH w/ sub pmp. Equalizer seal section had broken internal seal allowing fluid to enter mtr and shorting out. RIH w/ Hughs Centalift sub pmp. Well tst'd 14,000 bbl/day @64 amps.
2/12/1988 Pmp locked up after power surge. GIH w/ new pmp, seal, & same mtr. Tst'd 14,700 BWPD @ 64 amps.
8/2/1988 POH w/ sub pmp. Chg out sub pmp. Tst'd 14,400 BWPD @64 amps.
12/18/1990 POH w/ sub pmp. Mtr bad. TIH w/ new Centralift 300 hp mtr, seal, & pmp. Btm of mtr @ 2602'. Ran new #2 armored cable. Tst 14,250 BWPD @68 amps.
12/2005 RIH to 4100' could not drill. Set CIBP @ 4010'. 35' of cmt on top. Well TA'd

8-5/8", 32#, K-55 csg
set @ 5000' w/ 1600 SX cl "C" cmt
Cmt. Circ? Yes (168 sx)
TOC @ surface
(10-5/8" hole)

4/30/2024

Proposed WBD

LEASE: EMSU	WELL: 457	FIELD: Eunice-Monument	API: 30-025-29149
LOC: 1500 FNL & 1280 FEL Unit	SEC: 5	BLK: T21S , R38E	REF NO: FR0470
SVY: N.M.P.M.	GL: 3578.6'	CTY/ST: Lea / NM	SPUD: 9/14/1985
CURRENT STATUS: WS	KB: 3596.6	DF: 3595.6	TD DATE: 10/3/1985



Add Grayburg perforations. San Andres perforations are already abandoned with CIBP @ 4010' and 35 ft of cement on top of BP

4/30/2024

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 348266

CONDITIONS

Operator: Empire New Mexico LLC 2200 S. Utica Place Tulsa, OK 74114	OGRID: 330679
	Action Number: 348266
	Action Type: [C-101] Drilling Non-Federal/Indian (APD)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	6/25/2024

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

NO. OF COPIES RECEIVED	
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U.S.O.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL GAS WELL OTHER- Water Supply

2. Name of Operator
✓ Chevron U.S.A. Inc.

3. Address of Operator
P.O. Box 670 Hobbs, NM 88240

4. Location of Well
UNIT LETTER 0 1500 FEET FROM THE South LINE AND 1280 FEET FROM
THE East LINE, SECTION 5 TOWNSHIP 21S RANGE 36E NMPM.

7. Unit Agreement Name
Eunice Monument
South Unit

8. Farm or Lease Name

9. Well No.
457

10. Field and Pool, or Wildcat
Eunice Monument

15. Elevation (Show whether DF, RT, GR, etc.)
3578.6 GL

12. County
Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <u>Completion</u> <input checked="" type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Drilled out DV tool and float collar. Tested casing to 1000 psi. Ran CBL/CCL/GR from 4942'-3500'. Perforated from 4850'-4252' (160-.5" holes). Acidized with 16000 gallons 15% NEFE HCL. Swabbed well. Reacidized with 20000 gallons 15% NEFE HCL. GIH with 5½" tubing and electric pump. Recovered 8634 bbls water in 19 hours. Pumped inhibitor down backside. POH with 5½" tubing and pump. Installed 11" 900 series flange with 2" valve. Well closed in.

BEFORE THE OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Exhibit No. F-9
Submitted by: Goodnight Midstream Permian, LLC
Hearing Date: September 23, 2024
Case Nos. 23614-23617, 23775,
24018 - 24020, 24025, 24123

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

SIGNED P. H. Bullock TITLE Division Drilling Manager DATE 11-6-1985

APPROVED BY Jerry Sexton TITLE District I Supervisor DATE NOV 8 - 1985

(Complete Form in Triplicate)

Revised December 1966

PROOF OF COMPLETION OF WELL

Well No. EMSU 457

Permit No. CP 670

- Name of Water Right Owner: Chevron U.S.A. Inc.
Mailing address: P.O. Box 670
City and State: Hobbs, NM 88240
- Permit is for Water Supply Well (supplemental well, change location of well) from shallow (artesian or shallow) ground water.
- Description of well: 1500' FSL and 1280' FEL
Located in the NW 1/4 SE 1/4 SE 1/4 of Sec. 5 Twp. 21S Rge. 36E N.M.P.M., or Tract No. _____ of Map No. _____ of the _____ District; total depth, 5000 feet; is well cased yes; outside diameter of top casing (or hole, if uncased), 8 5/8 inches; if artesian, is well equipped with gate valve yes; date drilled 9/15 19 85; Name of driller Exeter Drilling Co.
- Record of Pumping Test, if made (to be supplied by person or firm making test); Name and address of person making test, R. K. Mitchell; date of test 4/14 19 87; depth to water before test, 1128 feet, below (above, below) land surface, and pumping level during test, 1128 feet; length of test, 1 1/2 hours; average discharge, 327 G.P.M.; specific capacity of well, --- gals./min. per foot of drawdown.
- Permanent Pump Equipment:
 - Description of pump: Make Hughes; Type Centralift R330; size of discharge _____ inches; if turbine type, give size of column, _____ inches; diameter of bowls _____ inches; number of bowls _____; length of suction pipe _____ feet; total length of column, bowls and suction pipe _____ feet; if centrifugal type, give size of pump _____ inches; if other type, describe 34 stage model R330; rated capacity of pump (if known), _____ G.P.M., at _____ rev. per min., from a depth of _____ feet.
 - Description of power plant: Make Hughes; Type Centralift; rated horsepower (if available) 300; type of drive connection to pump direct (direct, gearhead, or belt)
 - Actual discharge of pump, 408 G.P.M., at _____ rev. per min., from a depth of 2587 feet; Date of test 4/14 19 87.
- If reservoir is used, give approximate size: length _____ feet; width _____; depth _____.
- If above well replaced an old well to be plugged or abandoned, fill out the following: the well abandoned is located in the _____ 1/4 _____ 1/4 _____ 1/4 of Sec. _____, Twp. _____, Rge. _____
Describe plugging method _____
Name of plugging contractor _____
- Well Record filed with State Engineer's Office yes (Yes or No)

I, Chevron USA Inc, affirm that the foregoing statements are true to the best of my knowledge and belief and that I am the sole owner and holder of said water right. (sole, partial, agent for, etc.,)

Chevron USA Inc, Permittee
By: [Signature]

STATEMENT OF STATE ENGINEER'S REPRESENTATIVE

I hereby certify that I have inspected the above well and find it constructed in accordance with the conditions of the permit. Note any exceptions NONE

Well was producing NP gpm against a _____ head of _____ feet at _____ rpm. (measured) (estimated)

Old well has been N/A (plugged) (capped) (retained for other rights)

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Form C-105
Revised 11-1-88

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

19. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER Water Supply

D. TYPE OF COMPLETION
NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. OTHER

7. Unit Agreement Name
Eunice Monument South Unit

8. Farm or Lease Name

2. Name of Operator
Chevron U.S.A. Inc.

9. Well No.
457

3. Address of Operator
P.O. Box 670 Hobbs, NM 88240

10. Field and Pool, or Wildcat
Eunice Monument

4. Location of Well
UNIT LETTER 0 LOCATED 1500 FEET FROM THE South LINE AND 1280 FEET FROM
THE East LINE OF SEC. 5 TWP. 21S RGE. 36E NMPM
12. County
Lea

15. Date Spudded **9-15-1985** 16. Date T.D. Reached **10-3-1985** 17. Date Compl. (Ready to Prod.) **10-9-1985** 18. Elevations (DF, RKB, RT, GR, etc.) **3578.6 GL** 19. Elev. Casinghead

20. Total Depth **5000** 21. Plug Back T.D. **4958** 22. If Multiple Compl., How Many
23. Intervals Drilled By Rotary Tools **0-5000** Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
San Andres 4252-4876 25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
CNL/LDT, BHC, DLL/MSFL, SHDT, EPT, NGT 27. Was Well Cored
Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16	65	417	20	500 sacks	
11 3/4	42	2837	14 3/4	1625 sacks	
8 5/8	40.5	5000	10 5/8	1600 sacks	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

31. Perforation Interval (Interval, size and number)
4578-4482 160-.5"holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4578-4482	16000 gals 15% NEFE HCL
4578-4482	20000 gals 15% NEFE HCL

33. PRODUCTION

Date First Production **10-9-1985** Production Method (Flowing, gas lift, pumping - Size and type pump) **Pump** Well Status (Prod. or Shut-in) **Shut-in**

Date of Test **10-11-1985** Hours Tested **19** Choke Size **WO** Prod'n. for Test Period
Oil - BBL. Gas - MCF Water - BBL. Gas - Oil Ratio
8634

Flow Testing Press. Casing Pressure Calculated 24-Hour Rate
Oil - BBL. Gas - MCF Water - BBL. Oil Gravity - API (Corr.)
10906

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By

35. List of Attachments
Record of inclination

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED P.H. Bailey Jr TITLE Division Drilling Manager DATE 11-6-1985

This form is to be filed with the District Office of the Commission not later than 30 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy <u>1228</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt <u>1368</u>	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt <u>2578</u>	T. Atoka _____	T. Fictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>2832</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers <u>3006</u>	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>3416</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg <u>3736</u>	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>4232</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from <u>3416</u> to <u>3736</u>	No. 4, from _____ to _____
No. 2, from <u>3736</u> to <u>4000'</u>	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet
No. 2, from _____ to _____ feet
No. 3, from _____ to _____ feet
No. 4, from _____ to _____ feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1228	1228	Red Beds				
1228	1368	140	Anhydrite				
1368	2578	1210	Salt				
2578	3416	838	Sand Anhydrite dolomite				
3416	3736	320	Sand Dolomite				
3736	5000	1264	Dolomite with Sand stringers				

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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Form C-105
Revised 11-1-84

5a. Indicate Type of Lease
State Fee
5. State Oil & Gas Lease No.

1a. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER Water Supply
1b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. OTHER

7. Unit Agreement Name
Eunice Monument South Unit
8. Farm or Lease Name

2. Name of Operator
Chevron U.S.A. Inc.

9. Well No.
457

3. Address of Operator
P.O. Box 670 Hobbs, NM 88240

10. Field and Pool, or Wildcat
Eunice Monument

4. Location of Well
UNIT LETTER 0 LOCATED 1500 FEET FROM THE South LINE AND 1280 FEET FROM
THE East LINE OF SEC. 5 TWP. 21S RGE. 36E

11. County
Lea

15. Date Spudded 9-15-1985 16. Date T.D. Reached 10-3-1985 17. Date Compl. (Ready to Prod.) 10-9-1985 18. Elevations (DF, RKB, RT, GR, etc.) 3578.6 GL

19. Elev. Casinghead

20. Total Depth 5000 21. Plug Back T.D. 4958 22. If Multiple Compl., How Many
23. Intervals Drilled By: Rotary Tools 0-5000 Cable Tools

24. Producing Interval(s), of this completion - Top, bottom, Name
San Andres 4252-4876

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
CNL/LDT, BHC, DLL/MSFL, SHDT, EPT, NGT

27. Was Well Cored
Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16	65	417	20	500 sacks	
11 3/4	42	2837	14 3/4	1625 sacks	
8 5/8	40.5	5000	10 5/8	1600 sacks	

29. LINER RECORD (Left) and TUBING RECORD (Right)

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

31. Perforation Data (Interval, size and number)
4578-4482 160-.5"holes

32. ACID, SHCT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4578-4482	16000 gals 15% NEFE HCL
4578-4482	20000 gals 15% NEFE HCL

33. PRODUCTION
Date First Production 10-9-1985 Production Method Pump Well Status Shut-in

Date of Test 10-11-1985 Hours Tested 19 Stroke Size WO Production Per Test Period
Oil - Bbl. 8634 Gas - MCF 19096 Water - Bbl. 19096 Gas - Oil Ratio
Flow Tubing Press. 19096 Casing Pressure 19096 Calculated 24-Hour Rate
Oil - Bbl. 19096 Gas - MCF 19096 Water - Bbl. 19096 Oil Gravity - API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Test Witnessed By

35. List of Attachments
Record of inclination

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.
SIGNED P. H. Bailey Jr TITLE Division Drilling Manager DATE 11-6-1985

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than _____ days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____ 1228	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____ 1368	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____ 2578	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 2832	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 3006	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____ 3416	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____ 3736	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 4232	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfeamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 3416 to 3736 No. 4, from _____ to _____

No. 2, from 3736 to 4000' No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet

No. 2, from _____ to _____ feet

No. 3, from _____ to _____ feet

No. 4, from _____ to _____ feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1228	1228	Red Beds				
1228	1368	140	Anhydrite				
1368	2578	1210	Salt				
2578	3416	838	Sand Anhydrite dolomite				
3416	3736	320	Sand Dolomite				
3736	5000	1264	Dolomite with Sand stringers				

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LOCATION Unit 0 1500 FS. & 1280 FEL* Sec 5 T21S R36E Lea CO. NM
(Give Unit, Section, Township and Range).

OPERATOR Chevron U.S.A. Inc.

DRILLING CONTRACTOR Chevron Rig 2

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
3/4 233	1 1/2 3421	
1 1/2 653	1 3514	
1/2 904	1 1/2 3815	
3/4 1367	1 3/4 4350	
3/4 1621	1 1/2 4633	
1 1/2 1873	2 5000	
1 1/4 2217		
1 3/4 2311		
1 1/4 2374		
3/4 2436		
1 2527		
1 2622		
1 1/4 2694		
1 3077		
1 1/2 3327		

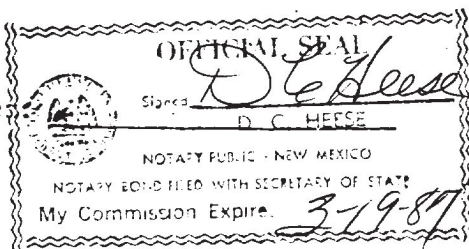
Drilling Contractor Chevron Rig 2

By: P. H. Buler

Subscribed and sworn to before me this 6 day of November, 19 85

D. C. Heese
Notary Public

My Commission Expires



Lea County New Mexico

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- Water Supply	7. Unit Agreement Name Eunice Monument South Unit
2. Name of Operator Chevron U.S.A. Inc.	8. Farm or Lease Name
3. Address of Operator P.O. Box 670 Hobbs, NM 88240	9. Well No. 457
4. Location of Well UNIT LETTER 0 1500 FEET FROM THE South LINE AND 1280 FEET FROM THE East LINE, SECTION 5 TOWNSHIP 21S RANGE 36E NMPM.	10. Field and Pool, or Wildcat Eunice Monument
15. Elevation (Show whether DF, RT, GR, etc.) 3578.6 GL	12. County Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER Completion <input checked="" type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

Drilled out DV tool and float collar. Tested casing to 1000 psi. Ran CBL/CCL/GR from 4942'-3500'. Perforated from 4850'-4252' (160-.5" holes). Acidized with 16000 gallons 15% NEFE HCL. Swabbed well. Reacidized with 20000 gallons 15% NEFE HCL. GIH with 5½" tubing and electric pump. Recovered 8634 bbls water in 19 hours. Pumped inhibitor down backside. POH with 5½" tubing and pump. Installed 11" 900 series flange with 2" valve. Well closed in.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNED P. H. Bullock TITLE Division Drilling Manager DATE 11-6-1985

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE NOV 8 - 1985

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-

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LAND OFFICE	
OPERATOR	

30. Indicate Type of Lease
 Site Fee
 31. State Oil & Gas Lease No.
 B-2456-10

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO SPEAR OR PLUG OPEN TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT (FORM C-101) FOR SUCH PROPOSALS.

1. OIL WELL GAS WELL OTHER: Water Supply

2. Name of Operator
Chevron U.S.A. Inc.

3. Address of Operator
P. O. Box 670, Hobbs, NM 88240

4. Location of well
 UNIT LETTER Q 1500 FEET FROM THE South LINE AND 1280 FEET FROM
 THE East LINE, SECTION 5 TOWNSHIP 21S RANGE 36E

5. Elevation (Show whether DF, KT, CR, etc.)
3578.6 GL

6. County
Lea

7. Unit Agreement No.
Eunice Monument
South Unit

8. Term or Lease Term

9. Well No.
457 WSW

10. Field and Pool, or Wildcat
Eunice Monument

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

TD 14 3/4" hole (2837') @ 10:30 PM 9/20/85. POH RU and ran 69 jts
 11 3/4" 54# 8rd ST&C K-55 (2837'). Cement with 1525 sacks class "C"
 16% gel 2% salt .2% D-13 1/4#/sx celloflake. Tail with 150 sacks class
 "C" neat. Plug down 11:15 AM 9/21/85. Circulated 135 sacks of
 cement to surface. Test casing to 1000psi. WOC 23 1/2 hours before
 drillout.

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

P. H. Bullock Jr. Division Drilling Mgr. 9/23/85

APPROVED BY: _____ TITLE: _____ DATE: _____

CONDITIONS OF APPROVAL, IF ANY:

SEP 26 1985

RECEIVED
SEP 24 1985
O.C.D.
HOBBS OFFICE

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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LAND OFFICE		
OPERATOR		

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR, USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL GAS WELL OTHER - Water Supply Well

2. Name of Operator
Chevron U.S.A. Inc.

3. Address of Operator
P.O. Box 670 Hobbs, NM 88240

4. Location of Well
UNIT LETTER Q 1500 FEET FROM THE South LINE AND 1280 FEET FROM
East THE 5 LINE, SECTION 21S TOWNSHIP 36E RANGE 5 NMPM.

7. Unit Agreement Name
Eunice Monument
South Unit

8. Farm or Lease Name

9. Well No.
457

10. Field and Pool, or Wildcat
Eunice Monument

15. Elevation (Show whether DF, RT, GR, etc.)
3578.5 GL

12. County
Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

TD 10 5/8" hole @ 5000' 9:00 PM 10-3-1985. Logged well. Ru and ran 121 joints 8 5/8" 32# K-55 ST&C (4978' total pipe) set @ 5000'. Cement 1st stage with 100 sacks class "C" 16% Gel 2% salt 1/2#/sack Tuffplug. Tail with 300 sacks cl "C" 1% D-60 .2% D-46. Plug down 1:30 PM 10-5-1985. Did not circulate cement. Cement 2nd stage with 100 sacks class "C" 16% Gel 2% salt 1/2#/sack Tuffplug. Tail with 1100 sacks Class "C" 1% D-60 .2% D-46. Plug down 6:30 PM 10-5-1985. Circulate 168 sacks to surface. Tested casing to 1000psi.

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

Eddie W. Cook
Oil & Gas Inspector

TITLE Division Drilling Manager DATE 10-10-1985

DATE OCT 15 1985

RECEIVED
OCT 11 1985
O.C.D.
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