

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Caza Operating LLC 200 N. Lorraine St. #1550, Midland, TX 79701		² OGRID Number 249099
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 0 25-47457	⁵ Pool Name WC-025 G-08 S203506D; Bone Spring	⁶ Pool Code 97983
⁷ Property Code 328897 XXXX 330237	⁸ Property Name Talon 5-8 Federal	⁹ Well Number 1H

II. ¹⁰ Surface Location

UL or lot no. L2	Section 5	Township 20S	Range 35E	Lot Idn	Feet from the 180	North/South Line North	Feet from the 1455	East/West line East	County Lea
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¹¹ Bottom Hole Location

UL or lot no. G	Section 8	Township 20S	Range 35E	Lot Idn	Feet from the 2546	North/South line North	Feet from the 1722	East/West line East	County Lea
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 12/23/2021	¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date		

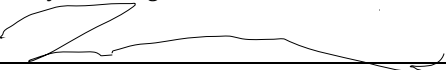
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
34053	Plains Marketing, LP 333 Clay St. #1600, Houston, TX 77002	O
703107	Lucid Energy Group, LLC3100 McKinnon Street, Suite 800 Dallas, TX 88240	G
371643	Solaris Midstream LLC 9811 Katy Freeway Suite 700 Houston, TX 77024 United States	W

IV. Well Completion Data

²¹ Spud Date 6/13/2021	²² Ready Date 12/23/2021	²³ TD 18819	²⁴ PBTD 18779	²⁵ Perforations 11379-18779	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17.5		13.375		2089	1715
12.25		9.625		5526	3365
8.75		5.5		18796	3271
		2.875		11249	

V. Well Test Data

³¹ Date New Oil 12/26/2021	³² Gas Delivery Date 12/24/2021	³³ Test Date 01/03/2022	³⁴ Test Length 24hrs	³⁵ Tbg. Pressure 453	³⁶ Csg. Pressure 0
³⁷ Choke Size 32/64	³⁸ Oil 394	³⁹ Water 1235	⁴⁰ Gas 487	1.23:1	⁴¹ Test Method P
⁴² 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. Signature: 			OIL CONSERVATION DIVISION		
Printed name: Steve Morris			Approved by: John Garcia		
Title: Engineer			Title: Petroleum Engineer		
E-mail Address: steve.morris@morcoreengineering.com			Approval Date: 9/15/2022		
Date: 1/4/2021		Phone: 985-415-9729			

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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

¹ API Number 30-025-47457	² Pool Code 97983	³ Pool Name WC-025 G-08 S203506D; BONE SPRING
⁴ Property Code 328897	Property Name TALON 5-8 STATE FED COM	
⁷ OGRID No. 249099	⁸ Operator Name CAZA OPERATING LLC.	⁶ Well Number 1H
		⁹ Elevation 3693'

¹⁰ Surface Location

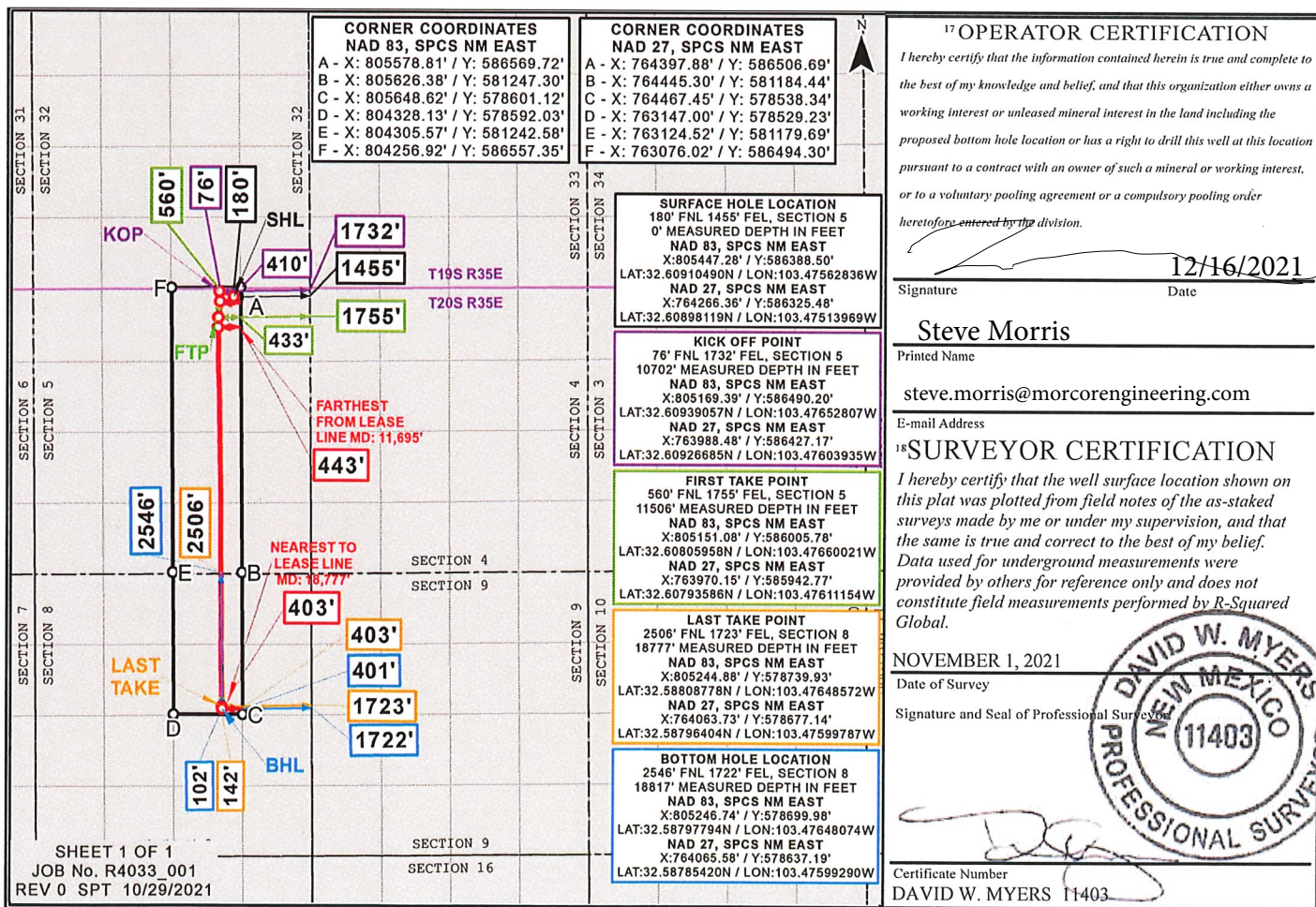
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L 2	5	20S	35E		180	NORTH	1455	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	8	20S	35E		2546	NORTH	1722	EAST	LEA

¹² Dedicated Acres 241.34	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



Distances/areas relative to NAD 83 Combined Scale Factor: 0.999981205 Convergence Angle: 00°26'57.22001"

☐ Horizontal Spacing Unit



SURVEY REPORT



Well Name: Talon 5-8 State Fed 1H	Field: Lea County, NM
API: 30-025-47457	Location:
Service Company: Tally Energy	County: Lea
Operating Company: Caza Operating LLC	State: New Mexico
Rig: Citadel #4	Country: USA
Job No.: M21307	VS Azimuth: 181.54
Datum: North American Datum 1983	Latitude: 32° 36' 32.78" N
Projection:	Longitude: 103° 28' 32.26" W
Total Correction: 5.87	Notes:
Grid Convergence: 0.46	
Magnetic Declination: 6.33	
North Reference: Grid	

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost damages or expenses incurred or sustained by anyone resulting from an interpretation made by any of our officers, agents, or employees.

Deviation Surveys (Vertical Section Azimuth : 181.54)

SVY	Depth (ft)	Inc.	Azimuth	TVD (ft)	Vert. Sec. (ft)	NS (ft)	EW (ft)	DLS °/100ft	Type
Tie In	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
1	144.0	0.22	357.22	144.00	-0.28	0.28	-0.01	0.15	MWD
2	297.0	0.40	356.08	297.00	-1.10	1.10	-0.06	0.12	MWD
3	388.0	0.35	36.59	388.00	-1.64	1.64	0.08	0.29	MWD
4	480.0	0.70	3.72	479.99	-2.44	2.43	0.28	0.49	MWD
5	571.0	0.44	353.35	570.99	-3.34	3.33	0.28	0.31	MWD
6	667.0	0.35	37.38	666.98	-3.94	3.93	0.41	0.32	MWD
7	759.0	0.70	39.67	758.98	-4.61	4.59	0.94	0.38	MWD
8	853.0	0.70	36.07	852.97	-5.53	5.49	1.65	0.05	MWD
9	947.0	0.84	21.04	946.97	-6.66	6.60	2.23	0.26	MWD
10	1,042.0	0.79	21.83	1,041.96	-7.93	7.86	2.73	0.05	MWD
11	1,136.0	0.70	22.18	1,135.95	-9.07	8.99	3.19	0.10	MWD
12	1,231.0	0.57	43.19	1,230.94	-9.97	9.87	3.73	0.28	MWD
13	1,326.0	0.31	10.93	1,325.94	-10.58	10.47	4.10	0.37	MWD
14	1,420.0	0.66	32.81	1,419.94	-11.29	11.17	4.44	0.41	MWD
15	1,515.0	0.57	7.06	1,514.93	-12.23	12.10	4.80	0.30	MWD
16	1,610.0	0.79	48.99	1,609.92	-13.14	13.00	5.35	0.56	MWD
17	1,704.0	0.53	49.78	1,703.92	-13.87	13.71	6.17	0.28	MWD
18	1,799.0	0.75	48.46	1,798.91	-14.59	14.40	6.97	0.23	MWD
19	1,893.0	0.66	32.73	1,892.90	-15.47	15.27	7.72	0.23	MWD
20	1,987.0	1.32	50.13	1,986.89	-16.65	16.42	8.85	0.76	MWD

Deviation Surveys (Vertical Section Azimuth : 181.54)

SVY	Depth (ft)	Inc.	Azimuth	TVD (ft)	Vert. Sec. (ft)	NS (ft)	EW (ft)	DLS °/100ft	Type
21	2,037.0	2.59	61.82	2,036.86	-17.59	17.32	10.29	2.65	MWD
22	2,113.0	2.90	64.81	2,112.77	-19.30	18.95	13.54	0.45	MWD
23	2,177.0	2.68	58.92	2,176.70	-20.84	20.41	16.28	0.56	MWD
24	2,271.0	2.81	348.69	2,270.61	-24.27	23.80	17.72	3.36	MWD
25	2,365.0	3.03	345.97	2,364.49	-28.91	28.47	16.66	0.28	MWD
26	2,460.0	3.12	343.07	2,459.35	-33.78	33.38	15.30	0.19	MWD
27	2,554.0	5.54	339.29	2,553.08	-40.41	40.08	12.95	2.59	MWD
28	2,649.0	5.71	339.64	2,647.62	-49.04	48.80	9.68	0.18	MWD
29	2,743.0	4.92	320.48	2,741.22	-56.42	56.29	5.49	2.05	MWD
30	2,838.0	5.19	298.07	2,835.86	-61.41	61.45	-0.89	2.08	MWD
31	2,932.0	5.05	294.29	2,929.49	-64.91	65.16	-8.42	0.39	MWD
32	3,027.0	4.09	279.00	3,024.19	-66.96	67.41	-15.57	1.62	MWD
33	3,122.0	3.74	274.69	3,118.97	-67.57	68.19	-22.01	0.48	MWD
34	3,216.0	3.60	278.38	3,212.78	-68.09	68.87	-27.98	0.29	MWD
35	3,311.0	3.16	284.01	3,307.61	-69.01	69.94	-33.47	0.58	MWD
36	3,406.0	3.47	272.67	3,402.45	-69.64	70.71	-38.89	0.76	MWD
37	3,500.0	3.60	264.41	3,496.27	-69.33	70.55	-44.66	0.56	MWD
38	3,594.0	3.34	267.92	3,590.10	-68.79	70.17	-50.34	0.36	MWD
39	3,689.0	2.90	263.79	3,684.96	-68.29	69.81	-55.49	0.52	MWD
40	3,783.0	2.64	262.47	3,778.85	-67.63	69.26	-60.00	0.28	MWD
41	3,877.0	2.24	269.59	3,872.77	-67.22	68.97	-63.99	0.53	MWD
42	3,972.0	2.11	267.57	3,967.70	-67.04	68.88	-67.59	0.16	MWD
43	4,066.0	2.11	275.13	4,061.63	-67.03	68.96	-71.04	0.30	MWD
44	4,161.0	1.98	287.70	4,156.57	-67.59	69.62	-74.35	0.49	MWD
45	4,255.0	1.80	288.84	4,250.52	-68.48	70.59	-77.29	0.20	MWD
46	4,349.0	2.02	286.73	4,344.47	-69.36	71.54	-80.28	0.25	MWD
47	4,443.0	2.02	284.80	4,438.41	-70.17	72.44	-83.46	0.07	MWD
48	4,538.0	2.02	284.97	4,533.35	-70.94	73.30	-86.70	0.01	MWD
49	4,632.0	1.93	285.50	4,627.30	-71.71	74.15	-89.83	0.10	MWD
50	4,821.0	2.07	292.97	4,816.18	-73.73	76.33	-96.04	0.16	MWD
51	4,916.0	2.20	289.72	4,911.12	-74.92	77.62	-99.33	0.19	MWD
52	5,010.0	2.15	279.17	5,005.05	-75.72	78.51	-102.77	0.43	MWD
53	5,105.0	1.93	254.21	5,099.99	-75.48	78.36	-106.07	0.96	MWD
54	5,199.0	2.20	251.75	5,193.93	-74.40	77.36	-109.31	0.30	MWD
55	5,294.0	2.15	257.29	5,288.86	-73.34	76.40	-112.78	0.23	MWD
56	5,388.0	2.24	250.61	5,382.79	-72.25	75.40	-116.23	0.29	MWD
57	5,464.0	2.37	251.31	5,458.73	-71.18	74.40	-119.12	0.18	MWD
58	5,555.0	2.23	254.05	5,549.66	-69.99	73.32	-122.60	0.20	MWD

Deviation Surveys (Vertical Section Azimuth : 181.54)

SVY	Depth (ft)	Inc.	Azimuth	TVD (ft)	Vert. Sec. (ft)	NS (ft)	EW (ft)	DLS °/100ft	Type
59	5,607.0	2.30	250.14	5,601.62	-69.31	72.68	-124.56	0.33	MWD
60	5,701.0	2.15	251.55	5,695.54	-68.02	71.48	-128.00	0.17	MWD
61	5,796.0	2.05	275.97	5,790.48	-67.54	71.10	-131.38	0.94	MWD
62	5,890.0	1.90	276.39	5,884.43	-67.80	71.45	-134.61	0.16	MWD
63	5,985.0	1.78	276.92	5,979.38	-68.07	71.80	-137.63	0.13	MWD
64	6,079.0	1.47	273.53	6,073.34	-68.25	72.05	-140.29	0.35	MWD
65	6,174.0	2.29	284.67	6,168.29	-68.73	72.60	-143.34	0.94	MWD
66	6,268.0	2.29	282.32	6,262.21	-69.50	73.48	-146.99	0.10	MWD
67	6,363.0	1.79	279.26	6,357.15	-70.06	74.12	-150.31	0.54	MWD
68	6,457.0	2.71	281.49	6,451.08	-70.64	74.80	-153.94	0.98	MWD
69	6,551.0	2.68	286.94	6,544.98	-71.61	75.89	-158.22	0.27	MWD
70	6,646.0	2.34	282.83	6,639.88	-72.58	76.96	-162.23	0.40	MWD
71	6,740.0	2.44	285.88	6,733.80	-73.45	77.94	-166.03	0.17	MWD
72	6,835.0	2.29	284.39	6,828.72	-74.37	78.96	-169.81	0.17	MWD
73	6,929.0	2.14	283.07	6,922.65	-75.14	79.83	-173.34	0.17	MWD
74	7,024.0	1.77	278.45	7,017.60	-75.67	80.44	-176.52	0.42	MWD
75	7,118.0	1.67	278.31	7,111.55	-76.01	80.85	-179.31	0.11	MWD
76	7,212.0	1.34	280.38	7,205.52	-76.34	81.25	-181.75	0.36	MWD
77	7,306.0	2.26	278.68	7,299.47	-76.74	81.73	-184.66	0.98	MWD
78	7,401.0	2.43	278.30	7,394.39	-77.21	82.30	-188.50	0.18	MWD
79	7,496.0	2.44	276.37	7,489.31	-77.61	82.82	-192.51	0.09	MWD
80	7,590.0	2.16	279.49	7,583.23	-78.03	83.33	-196.24	0.33	MWD
81	7,685.0	1.99	278.50	7,678.17	-78.47	83.87	-199.64	0.18	MWD
82	7,780.0	1.98	273.68	7,773.11	-78.73	84.22	-202.91	0.18	MWD
83	7,874.0	1.79	274.90	7,867.06	-78.88	84.45	-205.99	0.21	MWD
84	7,969.0	1.35	275.30	7,962.03	-79.04	84.68	-208.59	0.46	MWD
85	8,064.0	3.12	280.84	8,056.95	-79.53	85.27	-212.24	1.87	MWD
86	8,158.0	3.55	285.22	8,150.79	-80.63	86.51	-217.56	0.53	MWD
87	8,253.0	3.37	288.44	8,245.62	-82.14	88.17	-223.05	0.28	MWD
88	8,347.0	3.14	287.41	8,339.47	-83.65	89.81	-228.12	0.25	MWD
89	8,442.0	2.80	285.85	8,434.34	-84.93	91.22	-232.84	0.37	MWD
90	8,536.0	2.18	291.11	8,528.25	-86.10	92.50	-236.72	0.70	MWD
91	8,631.0	1.92	291.64	8,623.19	-87.25	93.73	-239.88	0.27	MWD
92	8,726.0	1.77	296.39	8,718.14	-88.42	94.97	-242.67	0.23	MWD
93	8,821.0	2.32	291.98	8,813.08	-89.70	96.34	-245.77	0.60	MWD
94	8,915.0	3.38	275.05	8,906.96	-90.54	97.30	-250.30	1.43	MWD
95	9,010.0	3.23	270.34	9,001.80	-90.65	97.56	-255.76	0.33	MWD
96	9,105.0	2.24	263.47	9,096.70	-90.34	97.37	-260.28	1.10	MWD

Deviation Surveys (Vertical Section Azimuth : 181.54)

SVY	Depth (ft)	Inc.	Azimuth	TVD (ft)	Vert. Sec. (ft)	NS (ft)	EW (ft)	DLS °/100ft	Type
97	9,199.0	2.05	261.24	9,190.63	-89.78	96.90	-263.77	0.22	MWD
98	9,294.0	1.59	253.75	9,285.58	-89.07	96.27	-266.71	0.54	MWD
99	9,389.0	1.28	237.49	9,380.55	-88.08	95.34	-268.87	0.54	MWD
100	9,483.0	1.55	233.55	9,474.52	-86.70	94.02	-270.78	0.31	MWD
101	9,578.0	1.38	225.84	9,569.49	-85.10	92.46	-272.64	0.27	MWD
102	9,672.0	1.34	220.41	9,663.47	-83.43	90.83	-274.16	0.14	MWD
103	9,767.0	0.79	307.94	9,758.45	-82.95	90.39	-275.40	1.61	MWD
104	9,861.0	0.60	339.02	9,852.45	-83.79	91.25	-276.09	0.44	MWD
105	9,955.0	0.76	337.76	9,946.44	-84.82	92.28	-276.50	0.17	MWD
106	10,050.0	0.90	342.20	10,041.43	-86.10	93.58	-276.96	0.16	MWD
107	10,145.0	1.02	335.78	10,136.42	-87.56	95.06	-277.54	0.17	MWD
108	10,239.0	1.03	351.86	10,230.40	-89.15	96.66	-278.00	0.31	MWD
109	10,334.0	1.03	6.41	10,325.39	-90.84	98.35	-278.03	0.27	MWD
110	10,429.0	0.76	356.72	10,420.38	-92.32	99.83	-277.97	0.32	MWD
111	10,523.0	0.69	359.23	10,514.37	-93.51	101.02	-278.01	0.08	MWD
112	10,591.0	0.58	1.97	10,582.36	-94.26	101.77	-278.00	0.17	MWD
113	10,655.0	0.36	357.28	10,646.36	-94.79	102.29	-278.00	0.35	MWD
114	10,702.0	1.83	170.74	10,693.35	-94.20	101.70	-277.89	4.66	MWD
115	10,749.0	7.80	180.14	10,740.17	-90.27	97.77	-277.78	12.77	MWD
116	10,796.0	12.70	177.94	10,786.40	-81.92	89.41	-277.60	10.46	MWD
117	10,844.0	14.64	180.55	10,833.04	-70.58	78.07	-277.47	4.24	MWD
118	10,892.0	18.73	177.73	10,879.01	-56.82	64.30	-277.22	8.68	MWD
119	10,939.0	23.23	176.10	10,922.89	-40.06	47.50	-276.29	9.65	MWD
120	11,033.0	31.83	175.14	11,006.16	3.11	4.23	-272.92	9.16	MWD
121	11,081.0	36.08	175.73	11,045.97	29.76	-22.49	-270.80	8.88	MWD
122	11,128.0	40.65	176.17	11,082.81	58.79	-51.58	-268.74	9.74	MWD
123	11,175.0	46.66	177.94	11,116.80	91.12	-83.97	-267.10	13.05	MWD
124	11,223.0	53.40	180.18	11,147.62	127.85	-120.73	-266.54	14.49	MWD
125	11,270.0	59.76	182.57	11,173.50	167.05	-159.92	-267.51	14.18	MWD
126	11,317.0	64.89	186.86	11,195.33	208.58	-201.37	-270.96	13.58	MWD
127	11,364.0	71.46	188.38	11,212.79	251.94	-244.59	-276.76	14.30	MWD
128	11,411.0	77.29	188.58	11,225.45	296.85	-289.34	-283.43	12.41	MWD
129	11,459.0	84.02	188.08	11,233.24	343.85	-336.17	-290.29	14.06	MWD
130	11,506.0	90.60	186.41	11,235.44	390.54	-382.72	-296.20	14.44	MWD
131	11,600.0	93.03	182.59	11,232.46	484.35	-476.36	-303.57	4.81	MWD
132	11,695.0	93.97	178.50	11,226.66	579.13	-571.16	-304.48	4.41	MWD
133	11,789.0	93.44	176.62	11,220.59	672.71	-664.87	-300.48	2.07	MWD
134	11,884.0	92.62	177.48	11,215.56	767.28	-759.61	-295.60	1.25	MWD

Deviation Surveys (Vertical Section Azimuth : 181.54)

SVY	Depth (ft)	Inc.	Azimuth	TVD (ft)	Vert. Sec. (ft)	NS (ft)	EW (ft)	DLS °/100ft	Type
135	11,978.0	91.88	178.80	11,211.87	861.04	-853.49	-292.55	1.61	MWD
136	12,072.0	91.37	180.90	11,209.21	954.96	-947.44	-292.31	2.30	MWD
137	12,166.0	90.39	181.55	11,207.76	1,048.94	-1,041.41	-294.32	1.25	MWD
138	12,261.0	89.72	180.96	11,207.67	1,143.94	-1,136.38	-296.40	0.94	MWD
139	12,355.0	90.39	178.02	11,207.58	1,237.87	-1,230.37	-295.56	3.21	MWD
140	12,450.0	92.16	177.75	11,205.47	1,332.65	-1,325.28	-292.06	1.88	MWD
141	12,544.0	92.07	177.09	11,202.00	1,426.34	-1,419.12	-287.83	0.71	MWD
142	12,638.0	90.80	177.68	11,199.64	1,520.06	-1,512.99	-283.54	1.49	MWD
143	12,733.0	89.53	178.59	11,199.37	1,614.89	-1,607.93	-280.45	1.64	MWD
144	12,827.0	90.70	177.90	11,199.18	1,708.73	-1,701.89	-277.57	1.45	MWD
145	12,922.0	89.39	178.17	11,199.11	1,803.55	-1,796.83	-274.31	1.41	MWD
146	13,016.0	91.06	178.56	11,198.74	1,897.40	-1,890.79	-271.63	1.82	MWD
147	13,111.0	90.29	178.75	11,197.62	1,992.28	-1,985.75	-269.40	0.83	MWD
148	13,206.0	88.68	179.10	11,198.47	2,087.17	-2,080.73	-267.62	1.73	MWD
149	13,300.0	89.91	179.38	11,199.63	2,181.09	-2,174.71	-266.37	1.34	MWD
150	13,395.0	91.47	179.67	11,198.49	2,276.02	-2,269.70	-265.59	1.67	MWD
151	13,489.0	89.18	179.23	11,197.95	2,369.95	-2,363.69	-264.68	2.48	MWD
152	13,584.0	88.92	178.87	11,199.53	2,464.84	-2,458.66	-263.11	0.47	MWD
153	13,678.0	91.74	179.36	11,198.99	2,558.75	-2,552.64	-261.66	3.04	MWD
154	13,773.0	93.49	179.51	11,194.65	2,653.58	-2,647.53	-260.72	1.85	MWD
155	13,868.0	91.39	179.03	11,190.61	2,748.41	-2,742.43	-259.51	2.27	MWD
156	13,962.0	92.33	179.09	11,187.56	2,842.28	-2,836.37	-257.97	1.00	MWD
157	14,057.0	92.71	178.78	11,183.38	2,937.09	-2,931.26	-256.21	0.52	MWD
158	14,151.0	92.25	179.33	11,179.31	3,030.91	-3,025.16	-254.66	0.76	MWD
159	14,246.0	91.92	179.17	11,175.86	3,125.77	-3,120.09	-253.41	0.39	MWD
160	14,340.0	91.11	178.77	11,173.37	3,219.64	-3,214.04	-251.73	0.96	MWD
161	14,434.0	90.64	178.24	11,171.94	3,313.50	-3,307.99	-249.27	0.75	MWD
162	14,529.0	87.82	178.57	11,173.21	3,408.34	-3,402.94	-246.63	2.99	MWD
163	14,623.0	89.37	178.57	11,175.52	3,502.18	-3,496.88	-244.28	1.65	MWD
164	14,718.0	88.62	178.92	11,177.18	3,597.05	-3,591.84	-242.20	0.87	MWD
165	14,812.0	89.58	178.99	11,178.66	3,690.94	-3,685.81	-240.49	1.02	MWD
166	14,907.0	87.98	179.73	11,180.68	3,785.85	-3,780.78	-239.43	1.86	MWD
167	15,001.0	86.22	180.77	11,185.44	3,879.70	-3,874.65	-239.84	2.17	MWD
168	15,096.0	86.90	180.44	11,191.14	3,974.52	-3,969.48	-240.84	0.80	MWD
169	15,191.0	87.74	180.21	11,195.58	4,069.39	-4,064.37	-241.38	0.92	MWD
170	15,286.0	90.14	179.95	11,197.34	4,164.34	-4,159.35	-241.51	2.54	MWD
171	15,377.0	88.97	179.90	11,198.04	4,255.30	-4,250.34	-241.39	1.29	MWD
172	15,471.0	87.09	179.58	11,201.28	4,349.19	-4,344.28	-240.96	2.03	MWD

Deviation Surveys (Vertical Section Azimuth : 181.54)

SVY	Depth (ft)	Inc.	Azimuth	TVD (ft)	Vert. Sec. (ft)	NS (ft)	EW (ft)	DLS °/100ft	Type
173	15,565.0	87.41	179.17	11,205.79	4,443.01	-4,438.17	-239.94	0.55	MWD
174	15,660.0	87.81	179.21	11,209.75	4,537.85	-4,533.08	-238.60	0.42	MWD
175	15,754.0	86.15	180.12	11,214.70	4,631.67	-4,626.94	-238.05	2.01	MWD
176	15,848.0	87.23	179.91	11,220.13	4,725.47	-4,720.78	-238.07	1.17	MWD
177	15,942.0	88.23	179.26	11,223.85	4,819.34	-4,814.70	-237.39	1.27	MWD
178	16,036.0	88.65	179.09	11,226.41	4,913.23	-4,908.66	-236.04	0.48	MWD
179	16,131.0	89.14	178.84	11,228.24	5,008.12	-5,003.63	-234.32	0.58	MWD
180	16,225.0	90.02	178.51	11,228.93	5,101.99	-5,097.60	-232.15	1.00	MWD
181	16,320.0	89.13	179.47	11,229.63	5,196.90	-5,192.58	-230.48	1.38	MWD
182	16,414.0	89.31	179.65	11,230.91	5,290.83	-5,286.57	-229.75	0.27	MWD
183	16,509.0	90.32	178.98	11,231.22	5,385.76	-5,381.56	-228.62	1.28	MWD
184	16,603.0	89.02	179.32	11,231.76	5,479.67	-5,475.54	-227.22	1.43	MWD
185	16,697.0	89.76	179.02	11,232.76	5,573.58	-5,569.53	-225.86	0.85	MWD
186	16,792.0	87.91	179.14	11,234.69	5,668.47	-5,664.49	-224.34	1.95	MWD
187	16,886.0	87.98	179.04	11,238.07	5,762.33	-5,758.42	-222.85	0.13	MWD
188	16,981.0	88.88	178.61	11,240.67	5,857.18	-5,853.36	-220.90	1.05	MWD
189	17,075.0	88.11	179.96	11,243.14	5,951.08	-5,947.32	-219.73	1.65	MWD
190	17,170.0	88.96	180.49	11,245.57	6,046.02	-6,042.29	-220.10	1.05	MWD
191	17,264.0	89.81	180.85	11,246.58	6,140.00	-6,136.27	-221.20	0.98	MWD
192	17,359.0	90.58	180.63	11,246.25	6,234.99	-6,231.26	-222.42	0.84	MWD
193	17,453.0	89.07	180.68	11,246.54	6,328.98	-6,325.25	-223.50	1.61	MWD
194	17,548.0	89.65	180.31	11,247.60	6,423.95	-6,420.24	-224.32	0.72	MWD
195	17,643.0	90.48	180.26	11,247.49	6,518.93	-6,515.24	-224.79	0.88	MWD
196	17,737.0	88.68	179.50	11,248.18	6,612.88	-6,609.23	-224.60	2.08	MWD
197	17,832.0	87.94	179.49	11,250.98	6,707.78	-6,704.19	-223.76	0.78	MWD
198	17,926.0	88.47	179.37	11,253.93	6,801.67	-6,798.14	-222.82	0.58	MWD
199	18,021.0	89.25	179.06	11,255.82	6,896.57	-6,893.11	-221.52	0.88	MWD
200	18,115.0	87.86	178.73	11,258.19	6,990.44	-6,987.06	-219.71	1.52	MWD
201	18,210.0	88.65	178.49	11,261.08	7,085.27	-7,081.99	-217.41	0.87	MWD
202	18,304.0	87.90	178.18	11,263.91	7,179.08	-7,175.90	-214.68	0.86	MWD
203	18,399.0	89.51	178.71	11,266.06	7,273.91	-7,270.84	-212.10	1.78	MWD
204	18,493.0	87.46	179.61	11,268.54	7,367.79	-7,364.79	-210.72	2.38	MWD
205	18,588.0	88.72	178.92	11,271.71	7,462.66	-7,459.73	-209.50	1.51	MWD
206	18,682.0	89.95	177.58	11,272.80	7,556.50	-7,553.67	-206.63	1.93	MWD
207	18,765.0	91.09	177.34	11,272.05	7,639.28	-7,636.59	-202.96	1.40	MWD
PTB	18,817.0	91.09	177.34	11,271.06	7,691.14	-7,688.52	-200.54	0.00	

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

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

WELL API NO. 30-025-47457
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Talon 5-8 Federal
8. Well Number 1H
9. OGRID Number 249099
10. Pool name or Wildcat WC-025 G-08 S253506D; Bone Spring

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator Caza Oil and Gas, Inc	
3. Address of Operator 200 N. Lorraine St #1550., Midland, TX 79701	
4. Well Location Unit Letter L2 ; 180 feet from the North line and 1455 feet from the East line Section 5 Township 20S Range 35E NMPM County Lea	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3693'GR	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☒		OTHER: ☒	

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

12/7/2021 - Production casing was perf'd from 11,379'MD - 18,754'MD with 0.42" perf size and 10 shots per foot. The well was fracked with 22,850,280lbs of sand.

Spud Date:

6/13/2021

Rig Release Date:

10/20/2021

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

SIGNATURE  TITLE **Engineer** DATE **12/16/2021**

Type or print name **Steve Morris** E-mail address: **steve.morris@morcoreengineering.com** PHONE: **985-415-9729**

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017					
1. WELL API NO. 30-025-47457								2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN		
3. State Oil & Gas Lease No.								4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)		
5. Lease Name or Unit Agreement Name Talon 5-8 Federal								6. Well Number: 1H		
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER								8. Name of Operator Caza Operating LLC		
9. OGRID 249099								10. Address of Operator 200 N Lorraine St #1550, Midland, TX 79702		
11. Pool name or Wildcat										
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	L2	5	20S	35E		180	N	1455	E	Lea
BH:	G	8	20S	35E		2546	N	1722	E	Lea
13. Date Spudded 6/13/2021	14. Date T.D. Reached 10/17/2021	15. Date Rig Released 10/20/2021			16. Date Completed (Ready to Produce) 12/23/2021			17. Elevations (DF and RKB, RT, GR, etc.) 3693 GR		
18. Total Measured Depth of Well 18819			19. Plug Back Measured Depth 18779			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run Gamma ray, mud log		
22. Producing Interval(s), of this completion - Top, Bottom, Name 11379-18779MD 3rd Bone Sprin										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13.375		54.5		2089		17.5		1715sx		
9.625		40		5526		12.25		3365sx		
5.5		23		18796		8.75		3271sx		
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD					
					SIZE	DEPTH SET	PACKER SET			
					2.875	11249	11249			
26. Perforation record (interval, size, and number) 11379-18779, 0.42", 10spf					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					11379-18779		390,267bbls 22,850,280lbs sand			
28. PRODUCTION										
Date First Production 12/23/2021		Production Method (Flowing, gas lift, pumping - Size and type pump) jet pump				Well Status (Prod. or Shut-in) P				
Date of Test 01/03/2022	Hours Tested 24	Choke Size 32/64	Prod'n For Test Period	Oil - Bbl 394	Gas - MCF 487	Water - Bbl. 1235	Gas - Oil Ratio 1.23:1			
Flow Tubing Press. 453	Casing Pressure 0	Calculated 24-Hour Rate	Oil - Bbl. 394	Gas - MCF 487	Water - Bbl. 1235	Oil Gravity - API - (Corr.) 41.81				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold							30. Test Witnessed By Kevin Garrett			
31. List Attachments										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date: 10/20/2021			
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude _____ Longitude _____ NAD83										
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										
Signature			Printed Name		Title		Date			
E-mail Address			Steve Morris		Engineer		01/08/2021			

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this 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 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy ¹⁸⁷⁸	T. Canyon ⁵⁵⁶⁰	T. Ojo Alamo	T. Penn A"
T. Salt ²¹⁹⁶	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt ³¹⁰⁴	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates ³⁶⁸⁶	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers ³⁹⁵⁴	T. Devonian	T. Cliff House	T. Leadville
T. Queen ⁴⁵⁹¹	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T.Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T.Tubb	T. Delaware Sand ⁵⁴³⁵	T. Morrison	
T. Drinkard	T. Bone Springs ⁸⁰⁷³	T.Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

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

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.....

From	To	Thickness In Feet	Lithology

DATA LOG
GEOLOGICAL SERVICES
(888) 938-7393 www.datalogs.com

P.O. Box 701594
Houston, TX 77270
Phone: 888-938-7393
Fax: N/A
www.dataloggs.com

COUNTY	Lea	STATE	New Mexico
FIELD	Bone Spring		
LOCATION	Surface:205' FNL & 1455' FEL, Sec 5, T20S, R35E		
WELL	Talon 5-8 Federal Com 1H		
LOG TYPE	Vertical Orientation Measured Depth		
COMPANY	Caza Petroleum		
		JOBNO	51528

COMPANY	Caza Petroleum			
WELL	Talon 5-8 Federal Com 1H			
FIELD	Bone Spring			
COUNTY/PARISH	Lea	STATE	New Mexico	JOB NO. 51528
UNIT MANAGER	Larry Nichols Jr.	ENGINEER		
	Luis Lora			
GEOLOGIST	Randy Nickerson / Richard Carroll		CO. ENGINEER	

LOCATION				ELEVATIONS		
SHL: 180 FNL & 1455 FEL, Sec 5, T20S, R35E				KB	3.718'	
BHL: 2620 FNL & 2280 FEL, Sec 8, T20S, R35E				DRILL FLOOR	3.718'	
				ELEVATION	3.693'	
AP/SERIAL NO				SEC	TWP	RANGE
30-025-47457				5	T20S	R35E
				WATERDEPTH	N/A	

SPUD DATE	Sun Jun 13 00:00:00 CDT 2021	TOTAL DEPTH	TBD	ARGAP	25
LOGGING DATE	FROM: 10/1/2021	TO:	10/19/2021		
LOGGING DEPTH	FROM: 5.535'	TO:	18.819'		

[illegible]

Engineering



FORMATION TOP
MN DEPTH



BIT
CASING
CONNECTION (LEF...

Stringer



SILTSTONE STRIN...

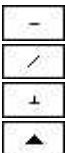


SHALE STRINGER

Minerals



- ☐ PYRITE
- ☐ SANDY
- ☐ SILICEOUS
- ☐ SILTY



ARGILLACEOUS
ARGILLITE GRAIN
CALCAREOUS
CHTDK

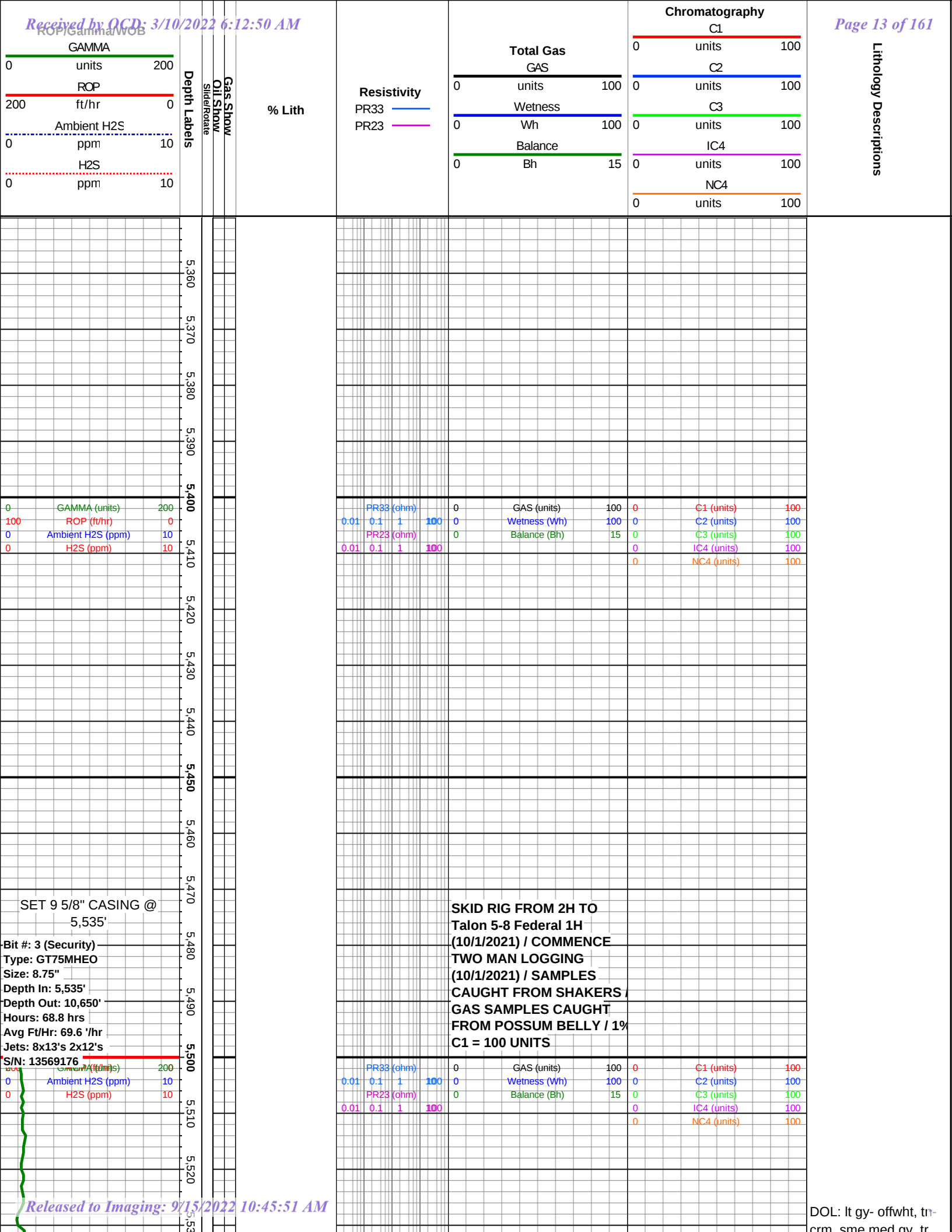
Lithology



- SHALE
- SHALE GRAY
- SHALE COLORED
- SILTSTONE
- SANDSTONE



ANHYDRITE
GYPSUM
LIMESTONE
DOLOMITE
CHERT
CLAYSTONE



10/02/21

WOB: 19k
RPM: 36
SPM: 102
PP: 1,133

SHOW #1

MWI: 9.4
MWO: 9.4

MD: 5,555'
TVD: 5,549.66'
Inclination: 2.23°
Azimuth: 254.05°
VS: -69.99'

cm, sme med gy, a
mot lay-gy, blk-sb rnd,
hd, dns, brit, mic xln, tr
cal incl, no vis por, no
vis flor, fnt yel-wht
slow stmg cut.
SLTST: lt rd-brn,
blk-sb blk, mod frm,
aren incl, sme cal incl,
sl mmica, sl calc, no
vis flor, fnt yel-wht
stmg cut, thin sppty dul
yel resdl ring.
ANHY: wht, sb blk,
frm, slty tex, v sl calc,
no vis flor, no vis cut.

GAMMA (units) 200
ROP (ft/hr) 0
Ambient H2S (ppm) 10
H2S (ppm) 10

MD: 5,607'
TVD: 5,601.62'
Inclination: 2.3°
Azimuth: 250.14°
VS: -69.31'

GAS (units) 100
Wetness (Wh) 100
Balance (Bh) 15

C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100
NC4 (units) 100

DOLO: lt tn, tn, lt gry,
med gry, off wht, v/fn -
mic xln, dns, v/frm -
frm, sm hrd, brit, occ
calc incls, sm intbd cly
/ incls, kaol incls ip,
sm aren incls ip, no
vis fluor or wet cut
LS: med gry, dk gry,
offwht, vf - mic xln,
mod dns, tr dns, frm -
v/frm / brit, sm hrd, slty,
sm aren incls ip, no
vis flor or wet cut

LOW GAS TRAP TEST

BELL CANYON
TOP 5,661' MD /
5,655' TVD

CG 16u

MD: 5,701'
TVD: 5,695.54'
Inclination: 2.15°
Azimuth: 251.55°
VS: -68.02'

SHOW #2

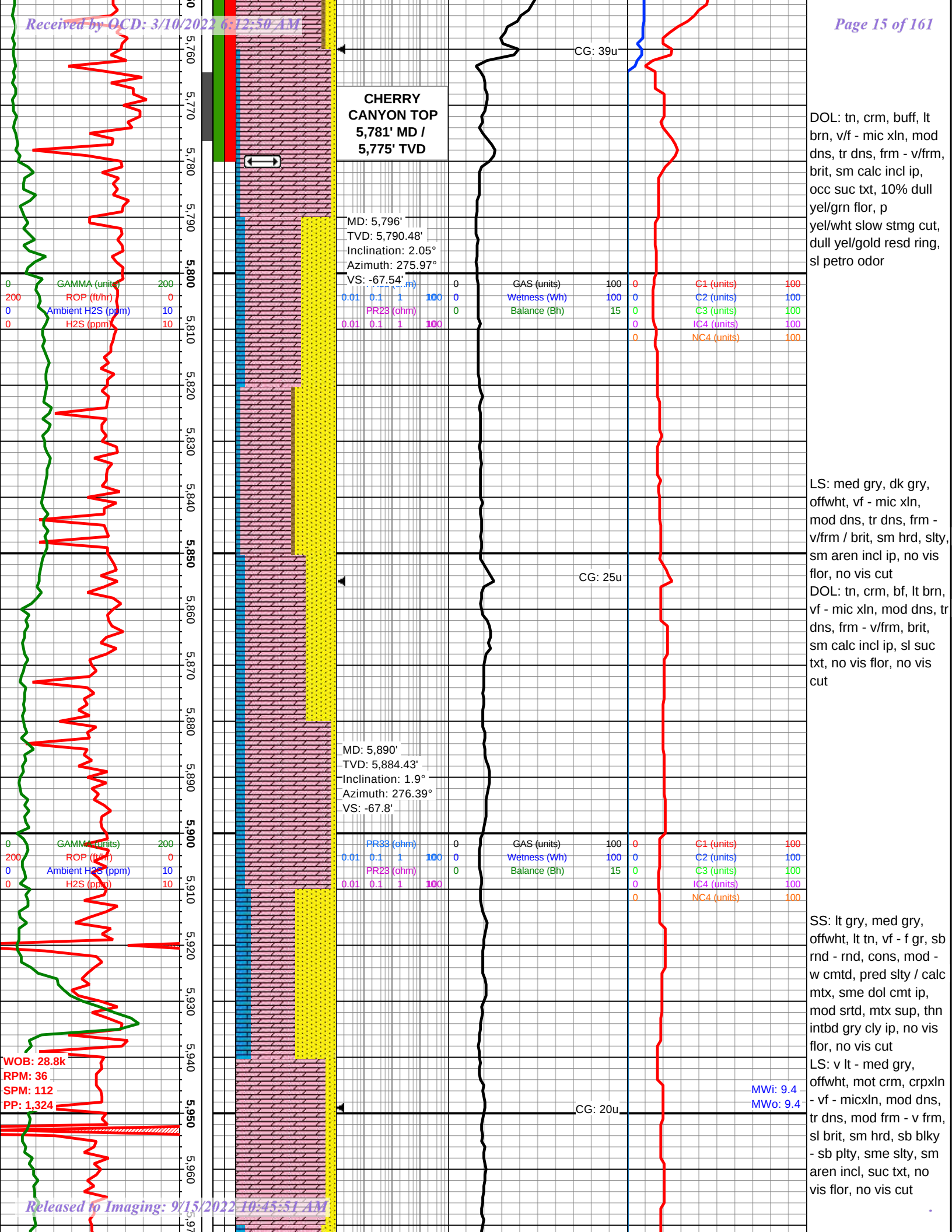
GAS (units) 100
Wetness (Wh) 100
Balance (Bh) 15

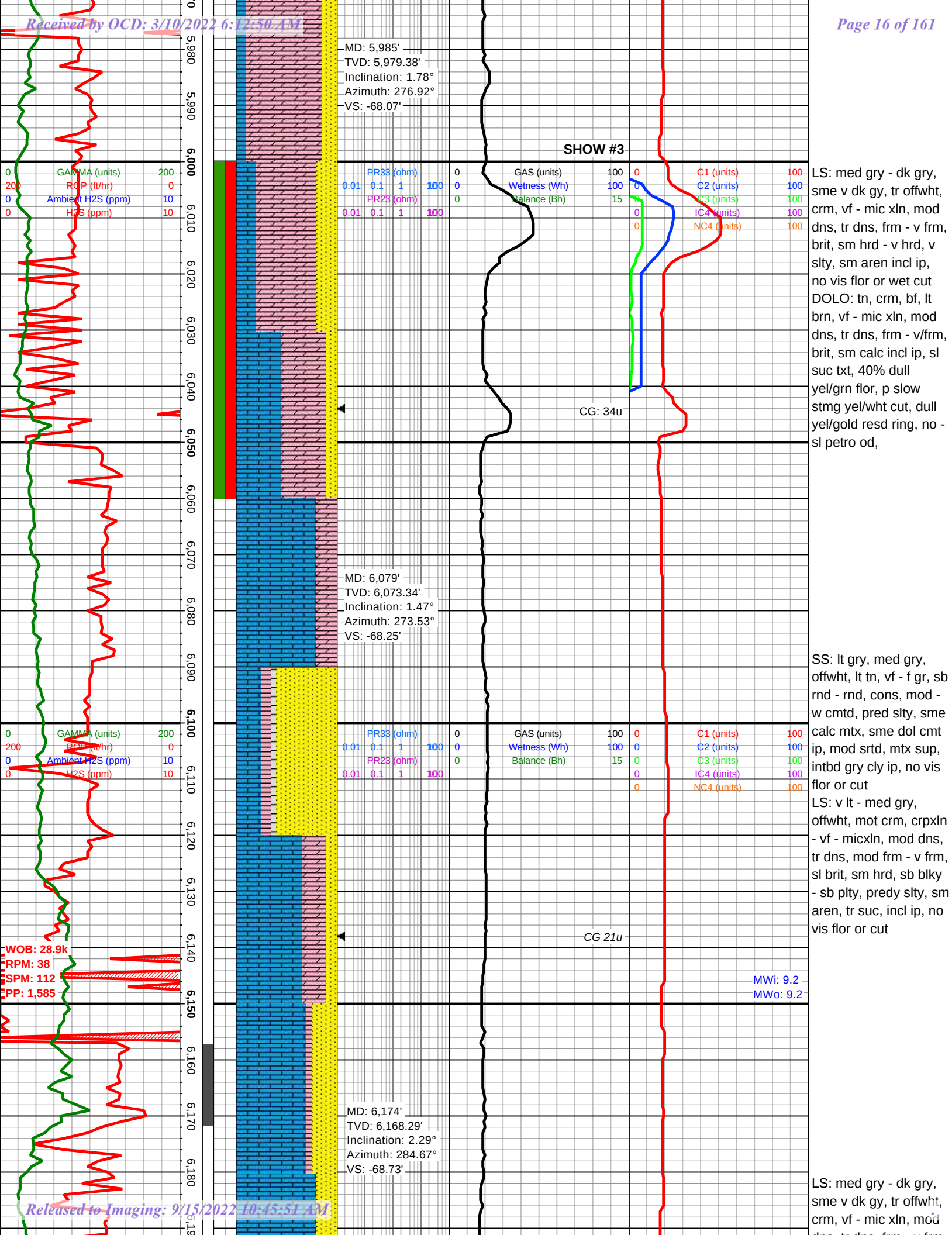
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100
NC4 (units) 100

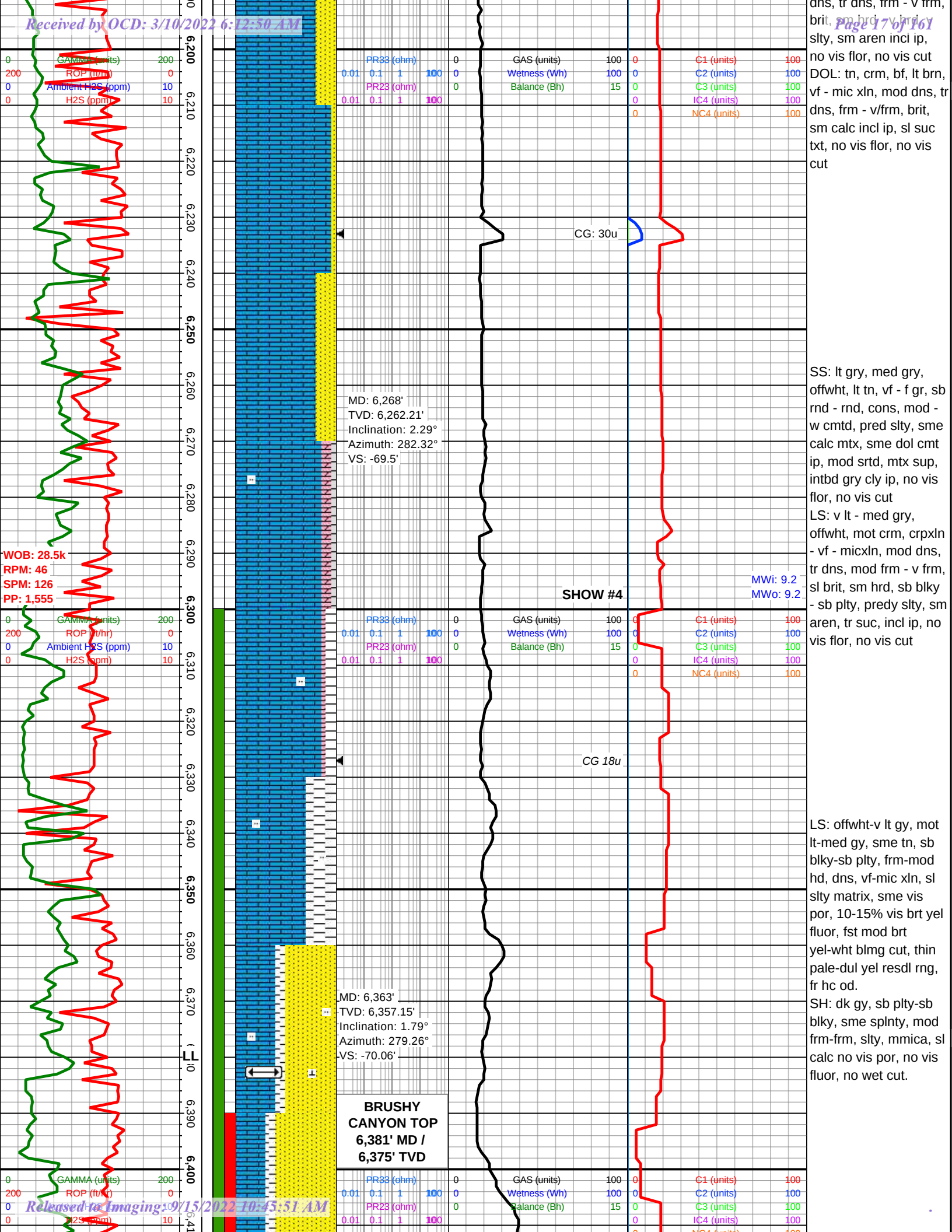
SS: lt gry, med gyr, off
wht, lt tn, v/fn - fn gr,
sbrnrd - rndd, cnslid,
frly wll cmntd, pred slty
/ calc mtrx, sm dolo
cmnt ip, frly srted, mtrx
spptd, intrbd gry cly ip,
no vis fluor or wet cut
LS: med gry, dk gry, off
wht, v/fn - mic xln, mod
dns, tr dns, frm - v/frm /
brit, sm hrd, slty, sm
aren incl ip, 5% fnt yel
flor, dull pagn slow
stmg cut

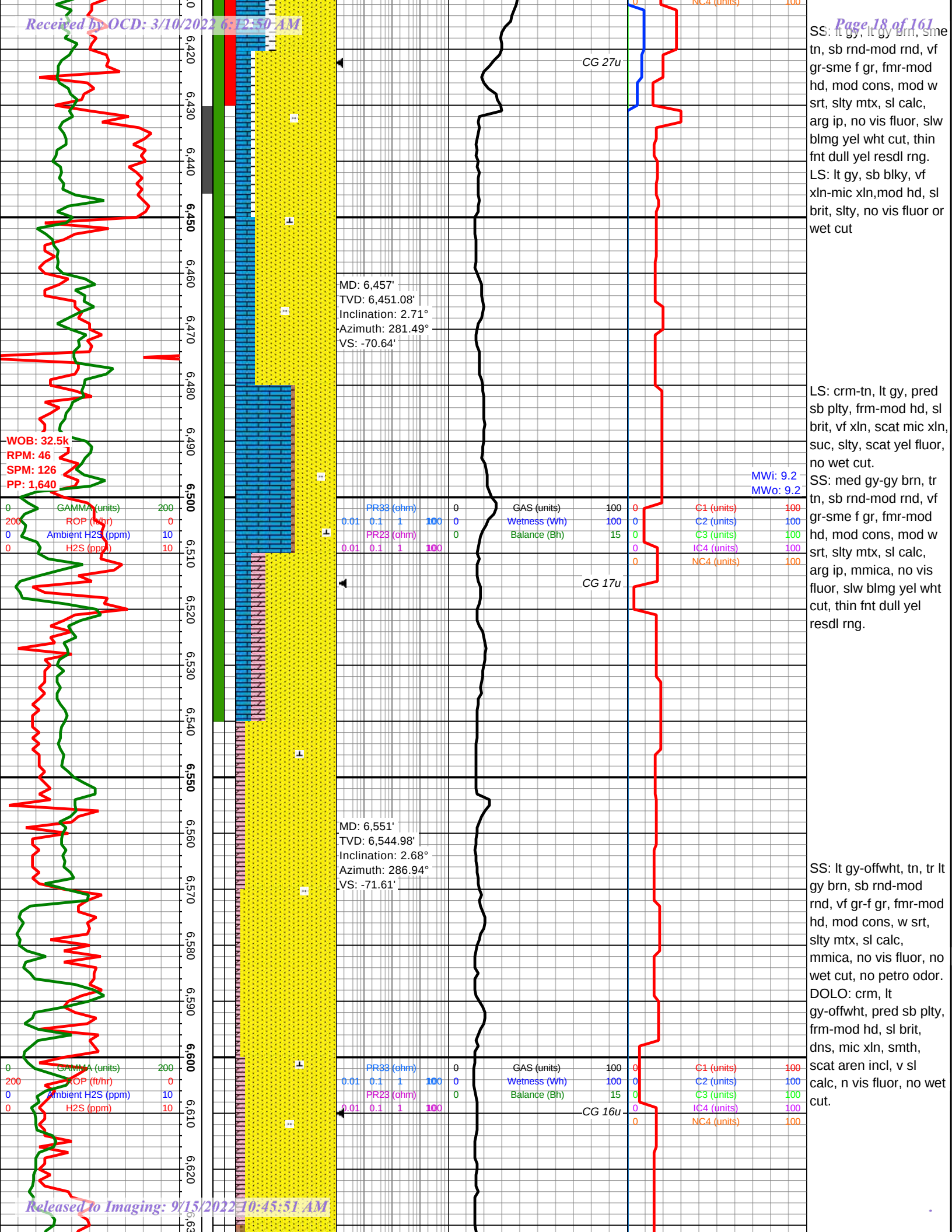
WOB: 25.4k
RPM: 37
SPM: 102
PP: 1,065

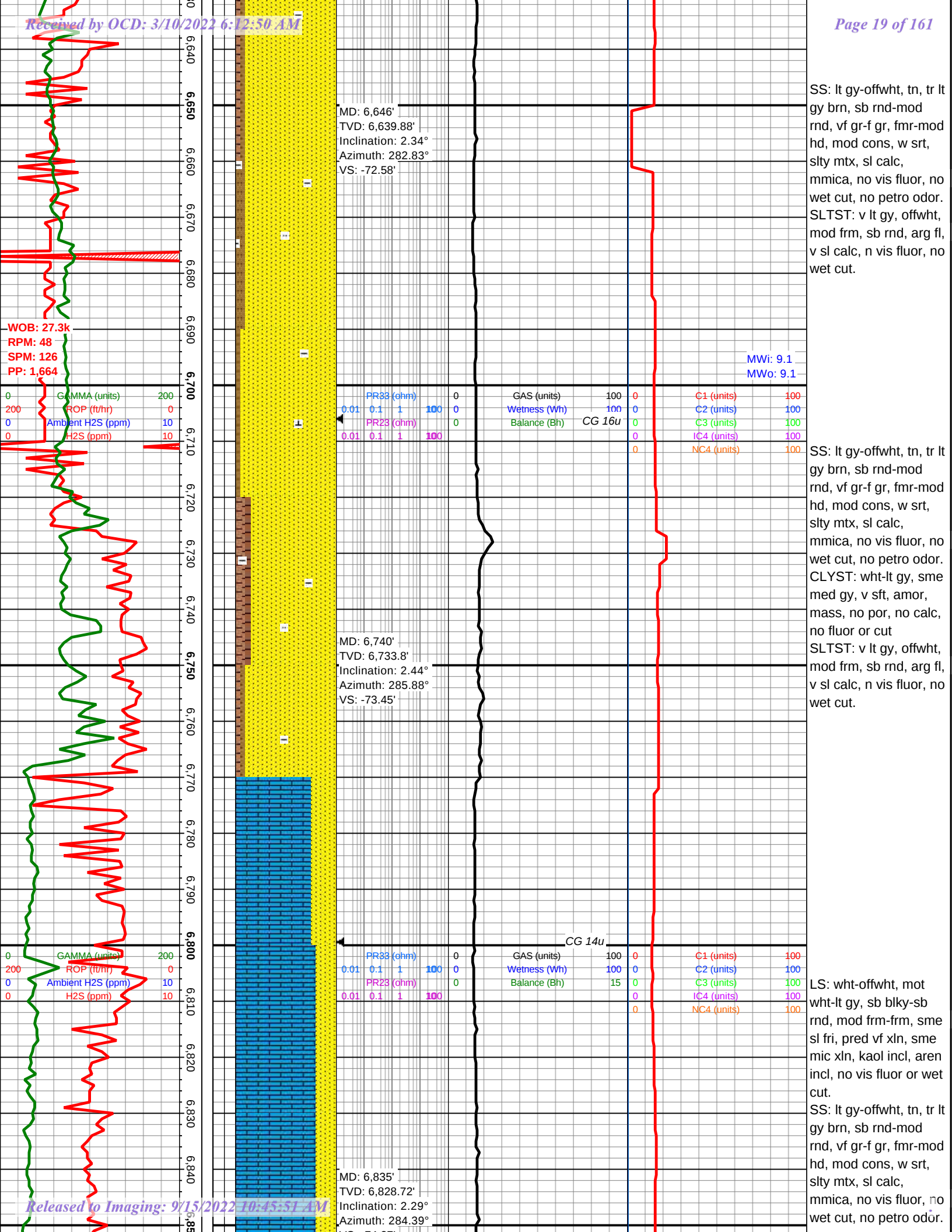
MWi: 9.4
MWO: 9.4

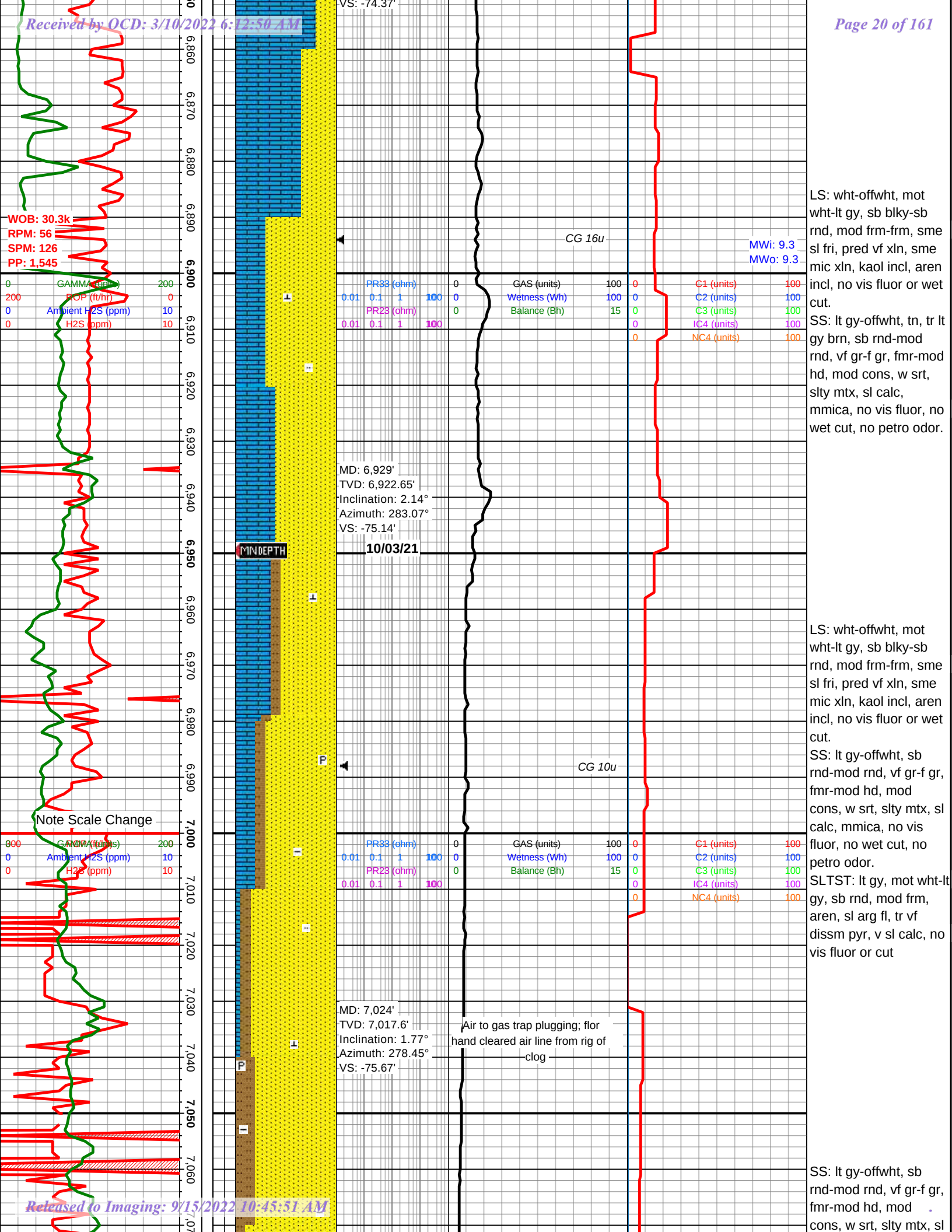












WOB: 23.9k
RPM: 56
SPM: 126
PP: 1,754

0 200
300 ROP (ft/hr) 0
0 Ambient H2S (ppm) 10
0 H2S (ppm) 10

PR33 (ohm) 0
0.01 0.1 1 100 0
PR23 (ohm) 0
0.01 0.1 1 100 0

GAS (units) 100
Wetness (Wh) 100
Balance (Bh) 15

MWi: 9.3
MWo: 9.3

C1 (units) 100
C2 (units) 100
C3 (units) 100
IC4 (units) 100
NC4 (units) 100

MD: 7,118'
TVD: 7,111.55'
Inclination: 1.67°
Azimuth: 278.31°
VS: -76°

Gas polyflo line plugged; find
clog & blow back lines

NOTE SCALE CHANGE

GAS (units) 150

CG 7u

SHOW #5

0 GAMMA (units) 200
0 ROP (ft/hr) 0
0 Ambient H2S (ppm) 10
0 H2S (ppm) 10

PR33 (ohm) 0
0.01 0.1 1 100 0
PR23 (ohm) 0
0.01 0.1 1 100 0

GAS (units) 150
Wetness (Wh) 100
Balance (Bh) 15

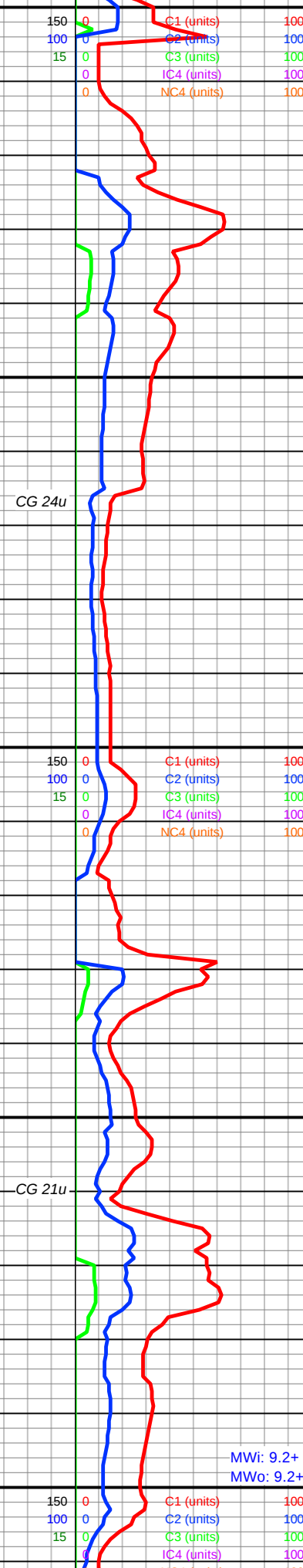
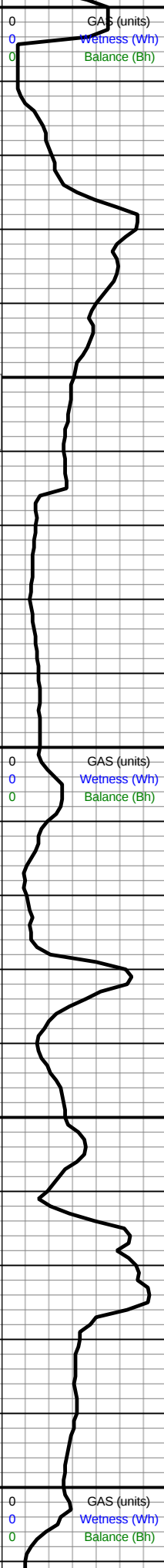
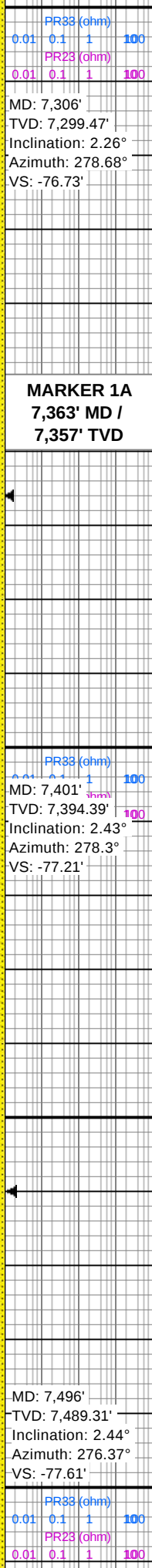
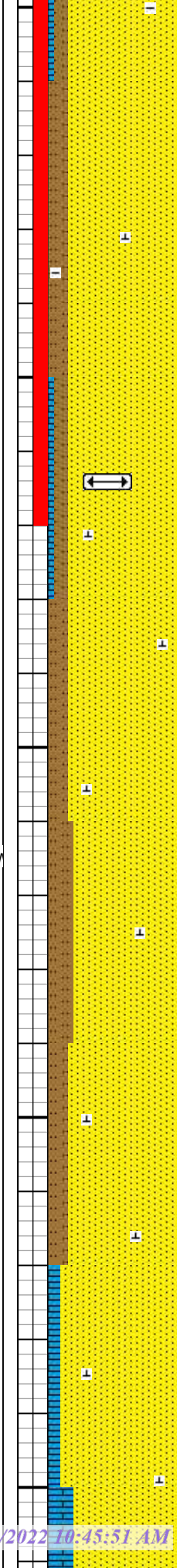
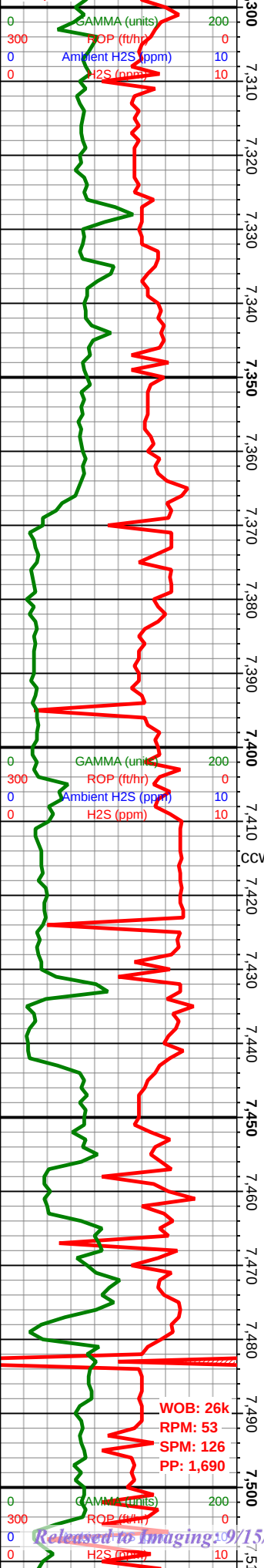
C1 (units) 100
C2 (units) 100
C3 (units) 100
IC4 (units) 100
NC4 (units) 100

MD: 7,212'
TVD: 7,205.52'
Inclination: 1.34°
Azimuth: 280.38°
VS: -76.33°

SS: lt gy-offwht, sb
rnd-mod rnd, vf gr-f gr,
fmr-mod hd, mod
cons, w srt, slty, v sl-sl
calc, mmica, no vis
fluor, no wet cut, no
petro odor.
SLTST: med gy-dk gy,
sb rnd-sb blkly, mod
frm-frm, sme aren incl,
vf dissim pyr, mmica,
sme arg fl, v sl calc, no
vis fluor or cut

SS: lt gy-offwht, sb
rnd-mod rnd, vf gr-f gr,
fmr-mod hd, mod
cons, w srt, slty, v sl-sl
calc, mmica, no vis
fluor, no wet cut, no
petro odor.
SLTST: med gy-dk gy,
sb rnd-sb blkly, mod
frm-frm, sme aren incl,
vf dissim pyr, mmica,
sme arg fl, v sl calc, no
vis fluor or cut
Tr LS: wht, tr buff-tn, sb
blkly-sb plty, mod
frm-frm, vf xln-mic xln,
sme chk tex, aren
incl, tr yel wht fluor, no
wet cut

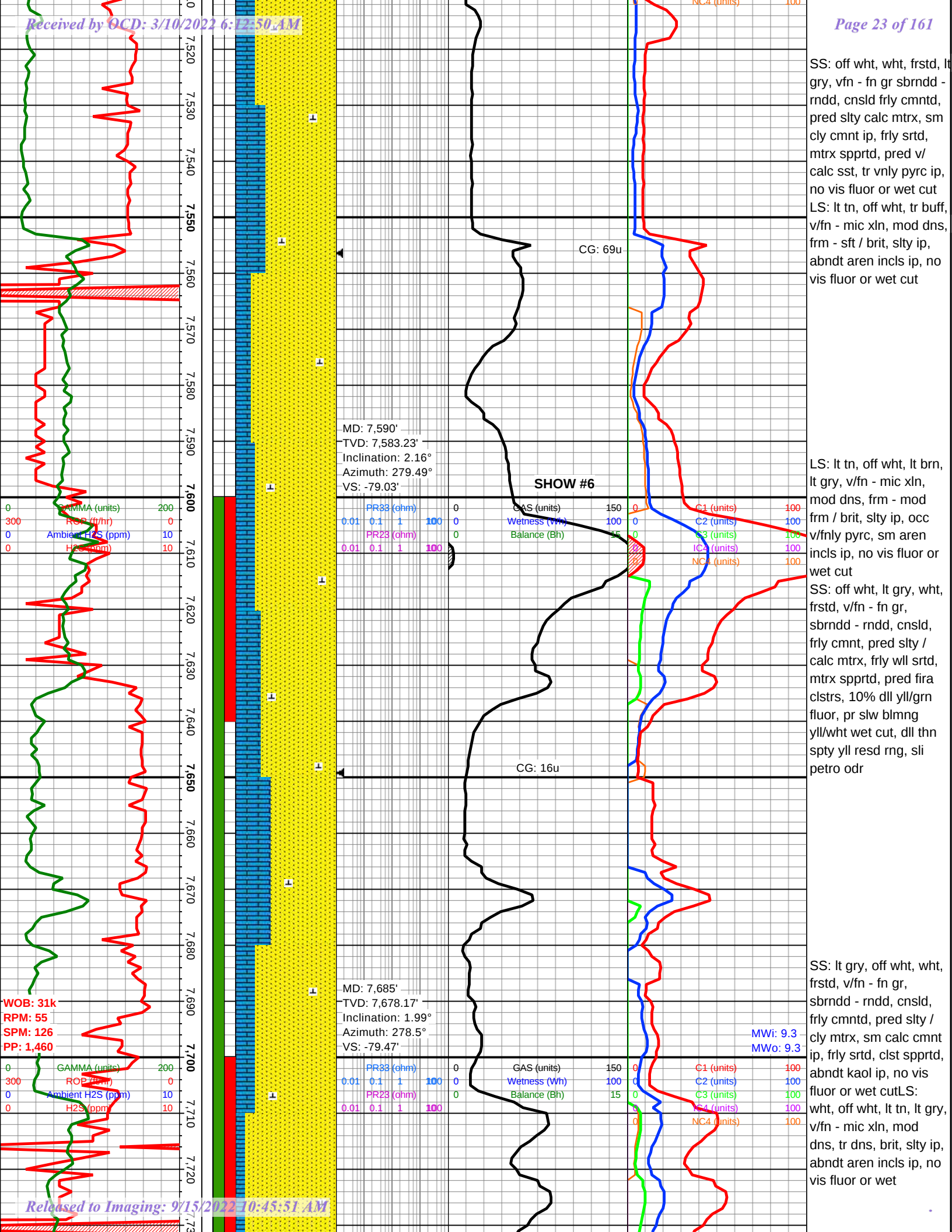
CG 52u

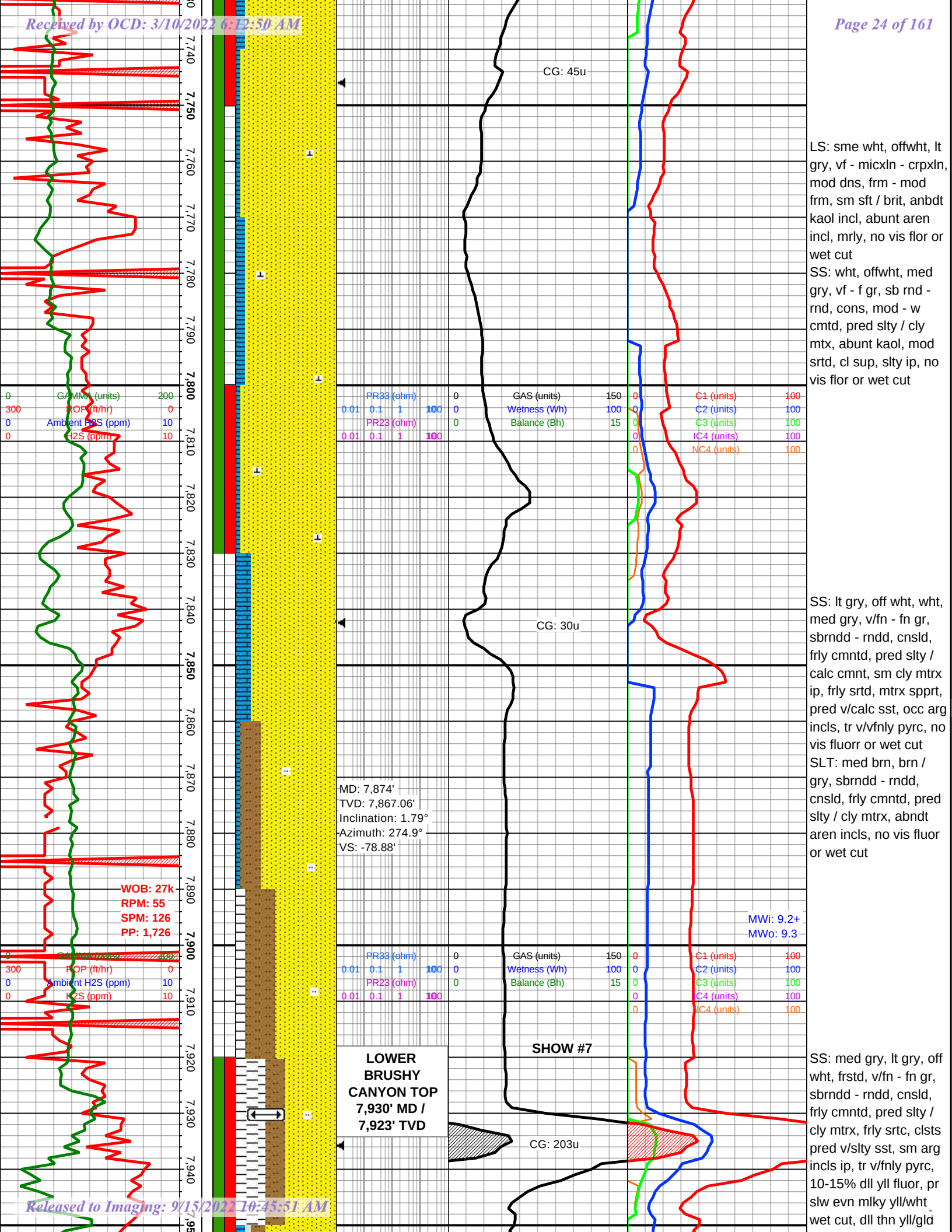


SS: lt gy-offwht, sb
rnd-mod rnd, vf gr-f gr,
fmr-mod hd, mod
cons, w srt, slty, v sl-sl
calc, mmica, no vis
fluor, no wet cut, no
petro odor.
SLTST: med gy-dk gy,
sb rnd-sb blk, mod
frm-frm, sme aren incl,
vf dissm pyr, mmica,
sme arg fl, v sl calc, no
vis fluor or cut

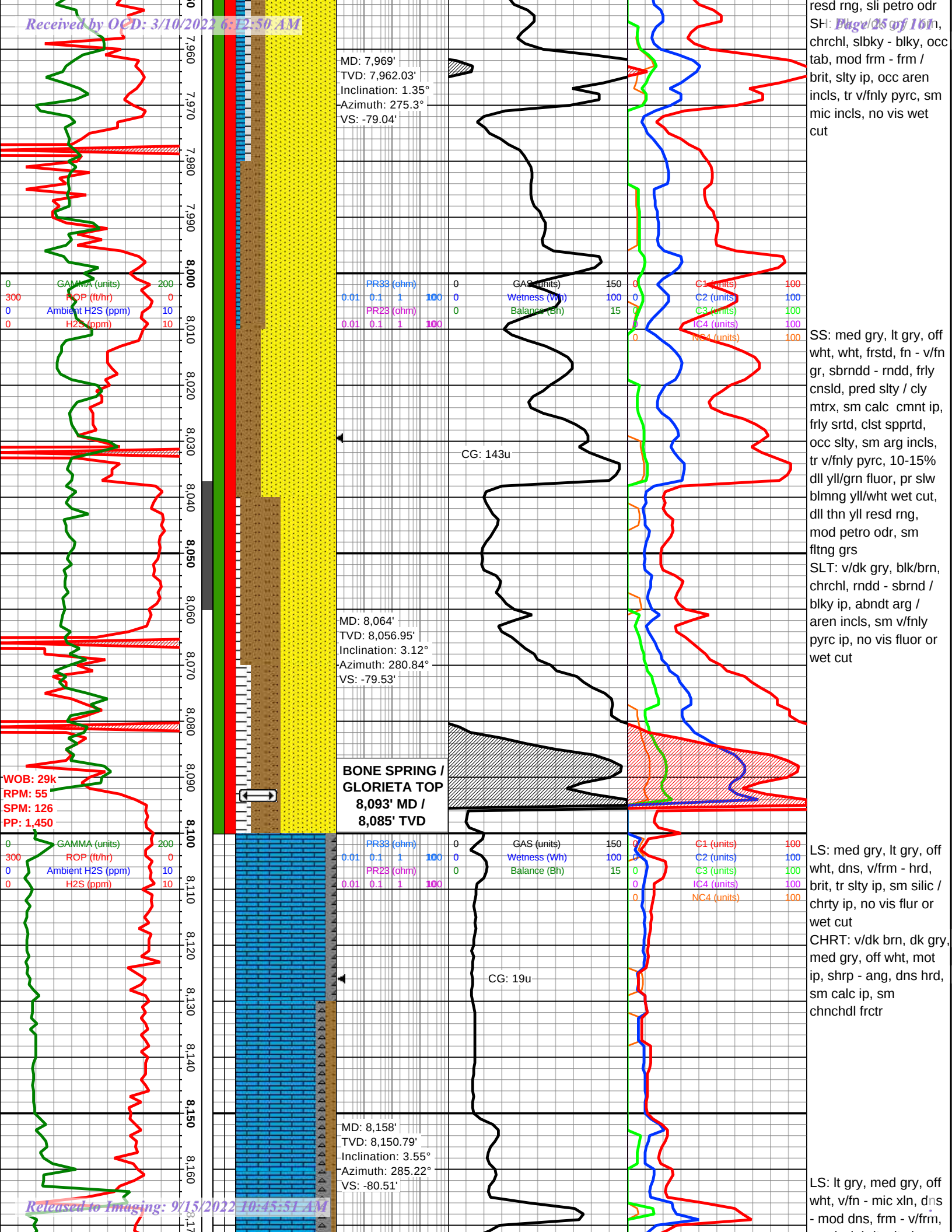
SS: lt gry, off wht, lt tn,
v/fn - fn gr sbrndd -
sbang, cnsld, frly
cmnt, pred slty / calc
cmn, occ slty cly mtrx,
frly srtc, clst - mtrx
spprt ip, occ v/fnly pyrc,
no vis fluor or wet cut
SLT: med brn, brn /
gry, sbrndd, cnsld,
abndt aren incl, sm
arg ip, no vis fluor or
wet cut

SS: lt gry, off wht, wht,
med gry, v/fn - fn gr,
sbrndd - rndd, cnsld,
frly cmntd, pred slty /
calc cmnt, sm cly mtrx
ip, frly srtc, mtrx spprt,
pred v/calc sst, occ arg
incls, tr v/fnly pyrc, no
vis fluorr or wet cut
SLT: med brn, brn /
gry, sbrndd - rndd,
cnsld, frly cmntd, pred
slty / cly mtrx, abndt
aren incl, no vis fluor
or wet cut





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occ hrd, brit, slty ip, tr
v/fn
no vis fluor or wet cut
CHRT: v/dk gry, dk gry,
lt brn / drk brn, off wht,
shrp - ang, hrd dns,
brit, sm calc ip, no vis
fluor or wet cut

GAMMA (units) 200
ROP (ft/hr) 0
Ambient H2S (ppm) 10
H2S (ppm) 10

AVALON TOP
8,219' MD /
8,211' TVD

GAS (units) 150
Wetness (Wh) 100
Balance (Bh) 15
SHOW #8

C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100
NC4 (units) 100

CG: 149u

MD: 8,253'
TVD: 8,245.62'
Inclination: 3.37°
Azimuth: 288.44°
VS: -82.14'

LS: lt gry, med gry, off
wht, v/fn - mic xln, dns
- mod dns, vfrm - hrd,
brit, slty ip, occ silic, tr
v/fnly pyrtc, ip, 10% dll
yll fluor, pr slw strmg
yll/wht wet cut, dll thn
yll resd rng
CHRT: dk brn, lt brn,
dk gry, shrp - ang, dns,
hrd, calc ip, sm
chnchdl frctr ip, no vis
fluor or wet cut

WOB: 28k
RPM: 45
SPM: 126
PP: 1,489

GAMMA (units) 200
ROP (ft/hr) 0
Ambient H2S (ppm) 10
H2S (ppm) 10

PR33 (ohm) 0
0.01 0.1 1 100
PR23 (ohm) 0
0.01 0.1 1 100

GAS (units) 150
Wetness (Wh) 100
Balance (Bh) 15

MWi: 9.3
MWo: 9.3

C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100
NC4 (units) 100

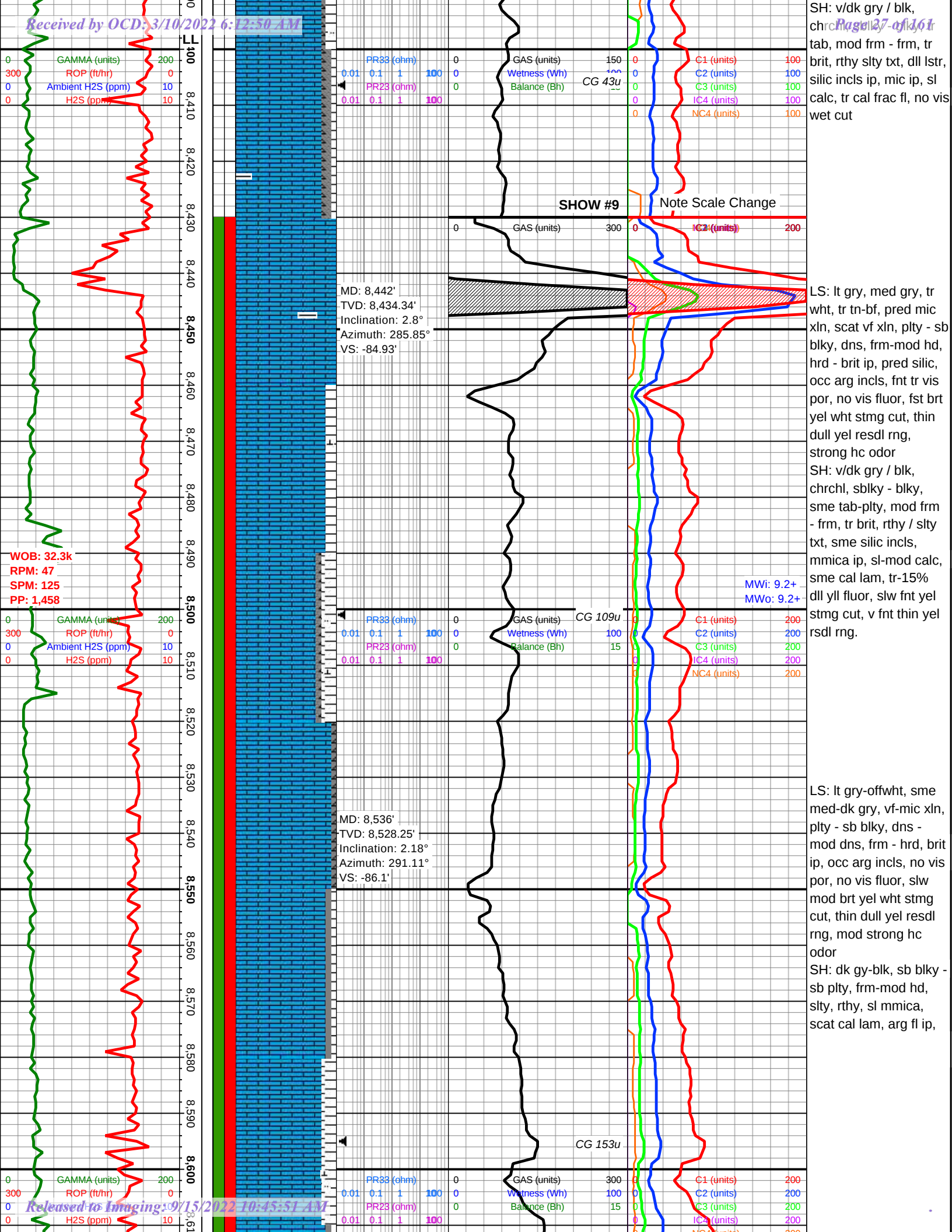
CG: 65u

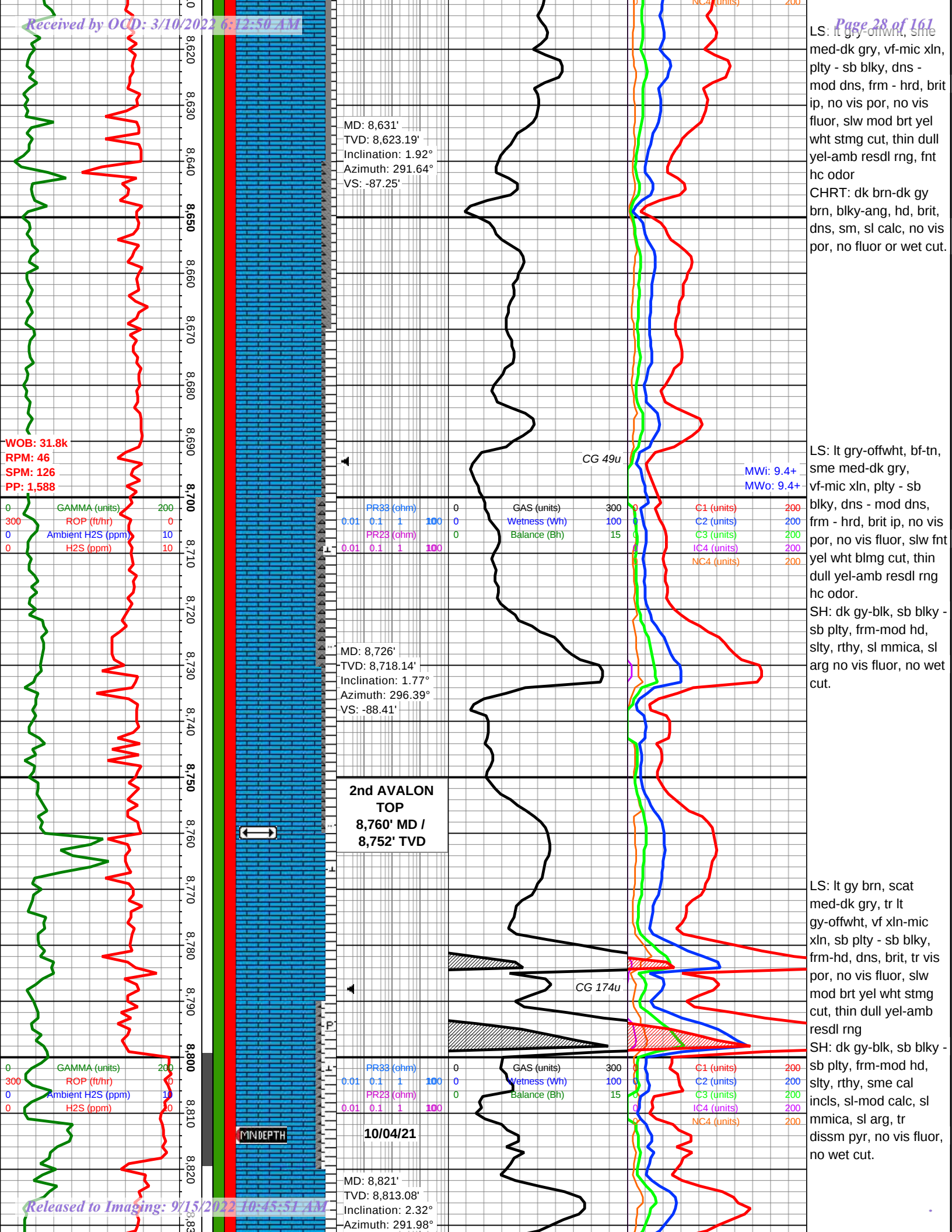
MD: 8,347'
TVD: 8,339.47'
Inclination: 3.14°
Azimuth: 287.41°
VS: -83.65'

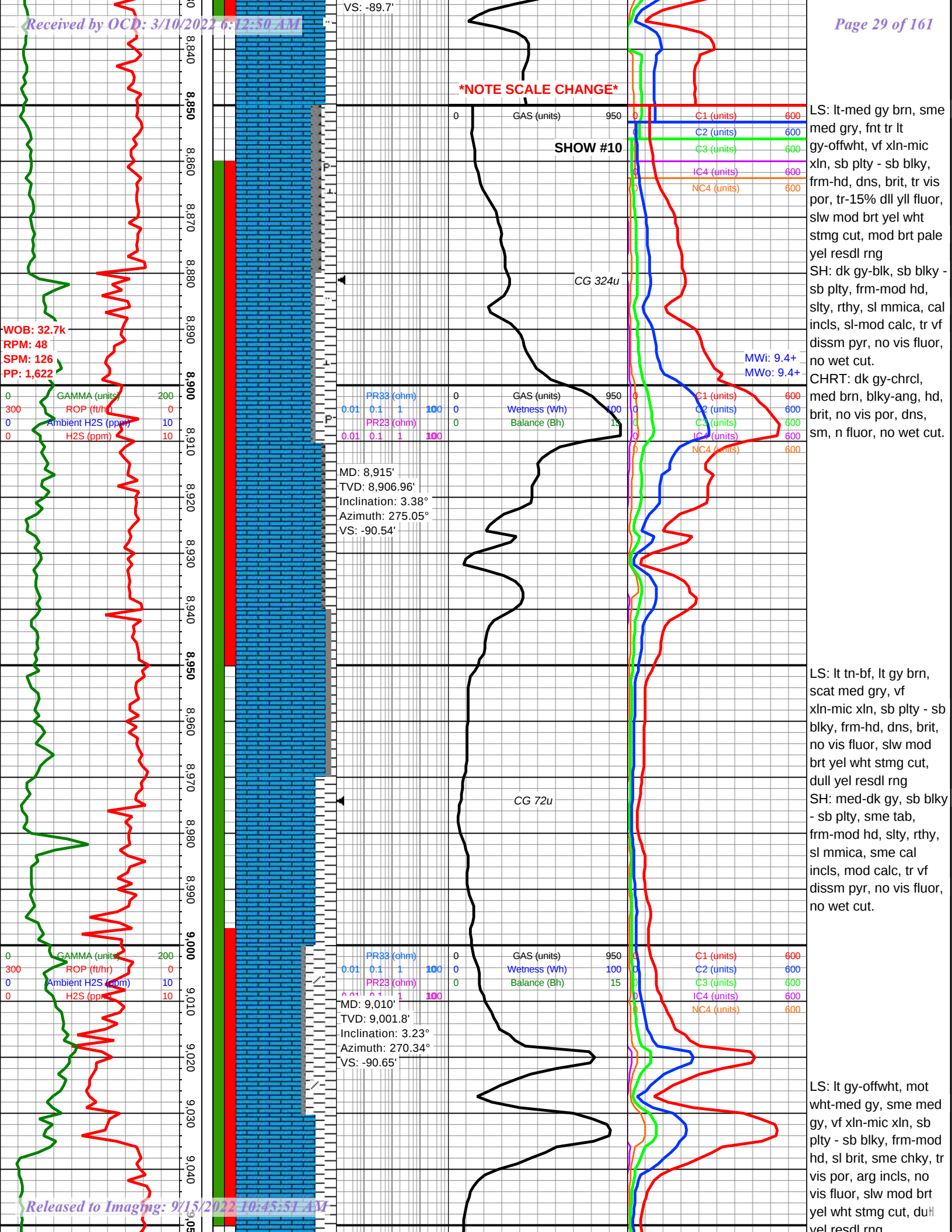
LS: lt gry, med gry, off
wht, v/fn - mic xln, dns
- mod dns, frm - v/frm,
hrd ip, pred silic, occ
slty/arg incls, tr vis por,
no vis fluor or wet cut
SH: v/dk gry / blk,
chrchl, sblky - blkly, tr
tab, mod frm - sft / brit,
rthy sli rgh txt, dll lstr,
silic incls ip, mic ip, no
vis wet cut

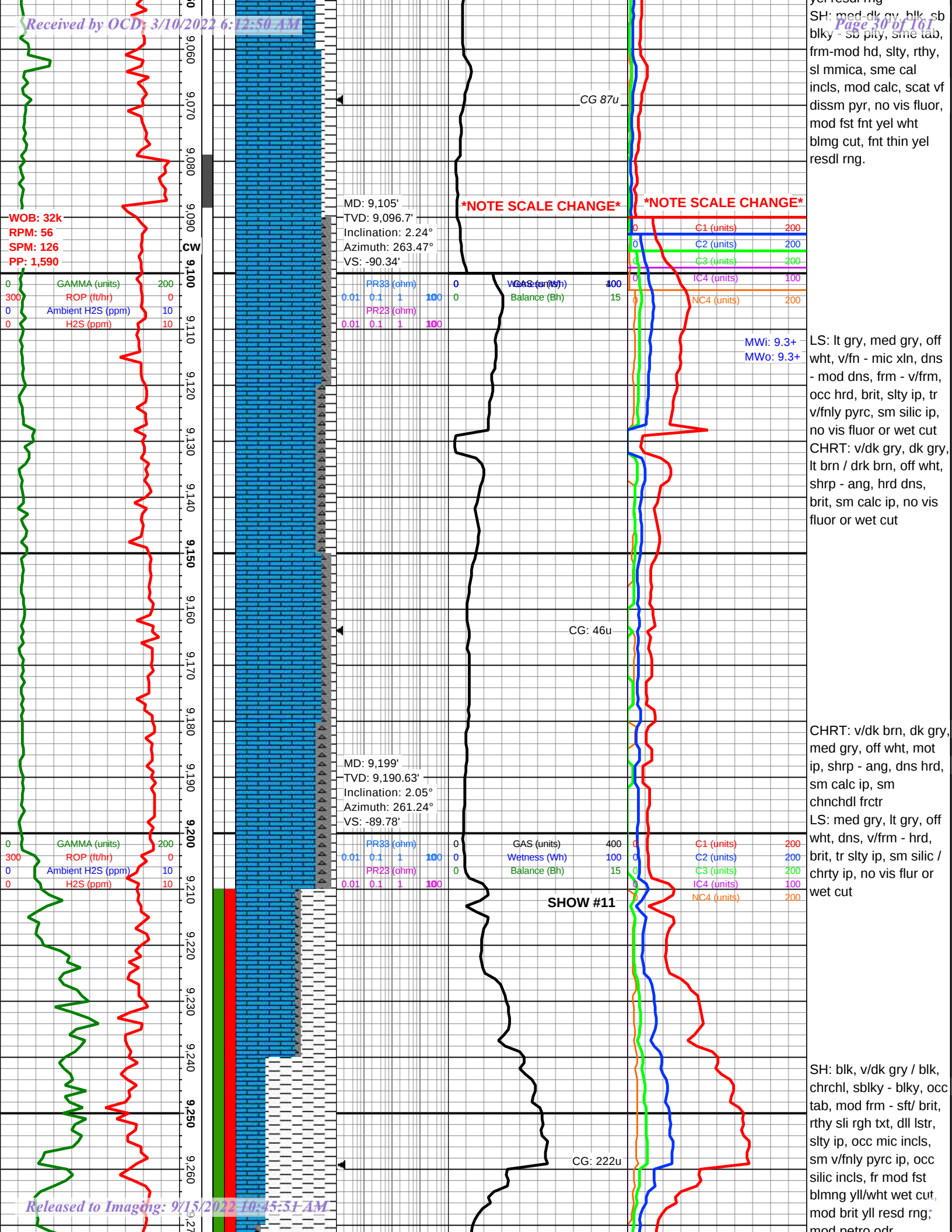
LS: lt gry, med gry, off
wht, vf - mic xln, plty -
sb blkly, dns - mod
dns, frm - v/frm, hrd -
brit ip, pred silic, occ
slty/arg incls, fnt tr vis
por, no vis fluor or wet
cut

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WOB: 31k
RPM: 55
SPM: 126
PP: 1,520

GAMMA (units) 200
ROP (ft/hr) 0
Ambient H2S (ppm) 10
H2S (ppm) 10

MD: 9,294'
TVD: 9,285.58'
Inclination: 1.59°
Azimuth: 253.75°
VS: -89.07'

PR33 (ohm) 0
0.01 0.1 1 100 0
PR23 (ohm) 0
0.01 0.1 1 100 0

GAS (units) 400
Wetness (Wh) 100
Balance (Bh) 15

MWi: 9.2
MWo: 9.2+

C1 (units) 200
C2 (units) 200
C3 (units) 200
IC4 (units) 100
NC4 (units) 200

mod petro car
LS: med gry, dk gry, off
wht, wht, lt gry, mott ip,
v/fn - mic xln, mod dns
- dns, frm - v/frm, brit,
v/fnly pyrc ip, occ arg
incls, no vis fluor or
wet cut

LS: med gry, lt gry, off
wht, mot ip, v/fn - mic
xln, mod dns tr dns,
frm - v/frm, occ hrd,
brit, slty ip, sm arg
incls ip, tr v/fnly pyrt,
silic ip, no vis fluor or
wet cut
CHRT: v/dk gry, dk gry
brn, lt brn, shrp - ang,
dns, hrd, chchdl frctr,
occ calc ip, no vis fluor
or wet cut

MARKER 2
9,355' MD /
9,346' TVD

CG: 75u

MD: 9,389'
TVD: 9,380.55'
Inclination: 1.28°
Azimuth: 237.49°
VS: -88.08'

PR33 (ohm) 0
0.01 0.1 1 100 0
PR23 (ohm) 0
0.01 0.1 1 100 0

GAS (units) 400
Wetness (Wh) 100
Balance (Bh) 15

C1 (units) 200
C2 (units) 200
C3 (units) 200
IC4 (units) 100
NC4 (units) 200

LS: dk gry, med gry, off
wht, mot, v/fn - mic xln,
mod dns - dns, frm -
v/frm, tr hrd ip, pred
slty, sm arg / silic
incls, v/fnly pyrc ip, no
vis fluor or wet cut
SH: chrchl, v/dk gry /
blk, blk, sbly - blkly,
occ tab, mod frm - sft /
brit, rthy sli rgh txt, sm
silic incls, occ mica
incls, no vis wet cut

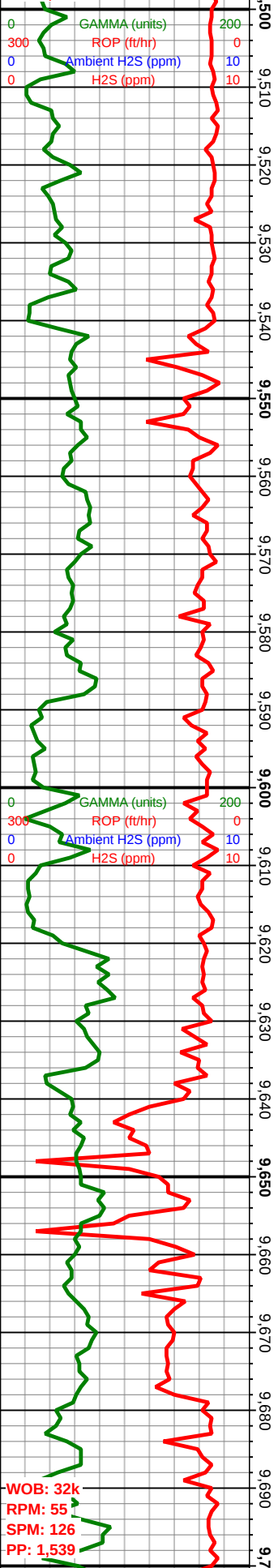
CG: 143u

MD: 9,483'
TVD: 9,474.52'

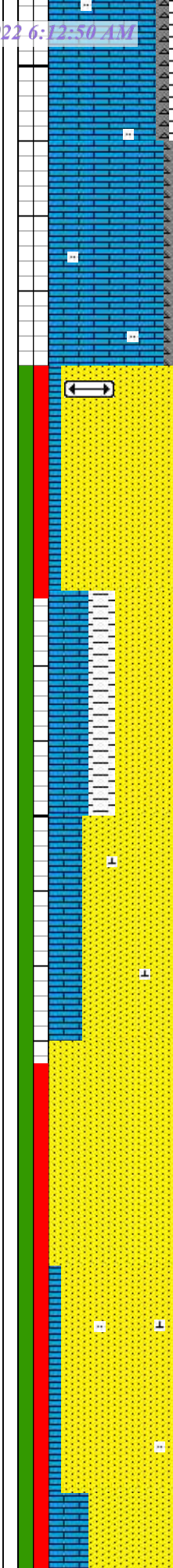
LS: med gry, dk gry, off
wht, lt gry, vf xln-mic xln
sb plty - sb blkly,
frm-mod hd, sl brit,
sme chky, tr vis por,
arg incls, no vis fluor or

WOB: 32k

RPM: 55
SPM: 1,520
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WOB: 32k
RPM: 55
SPM: 126
PP: 1,539



Inclination: 1.55°
Azimuth: 233.55°
VS: -86.7°

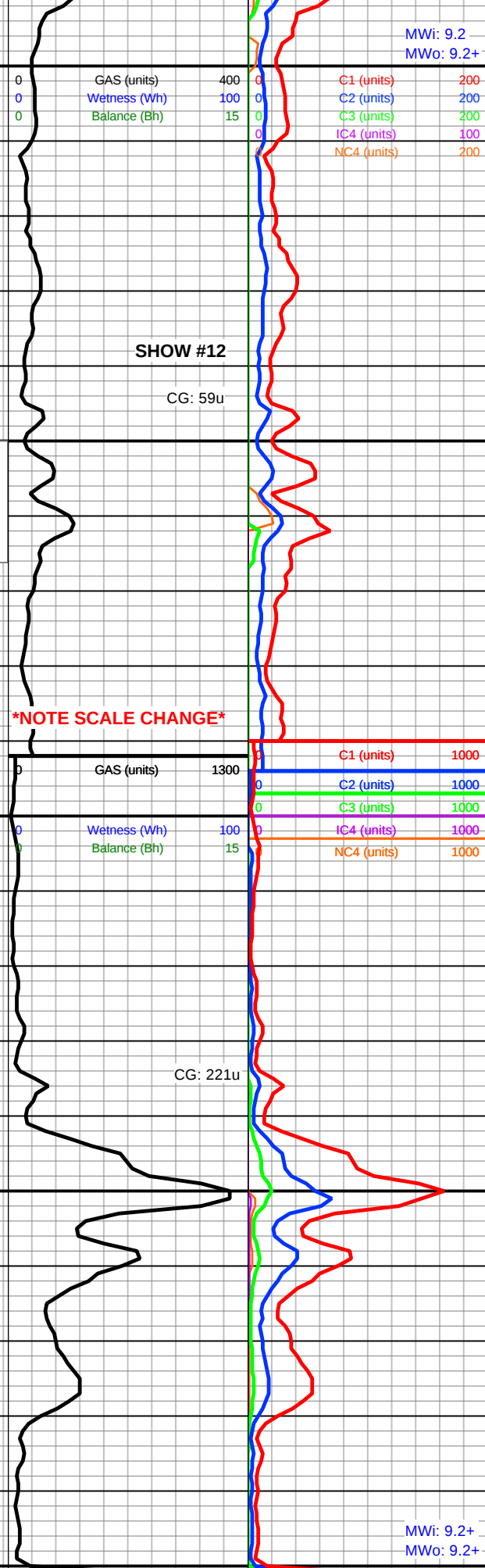
PR33 (ohm) 0 0.01 0.1 1 100 0
PR23 (ohm) 0 0.01 0.1 1 100 0

1st BONE SPRING SAND TOP
9,543' MD / 9,534' TVD

MD: 9,578'
TVD: 9,569.49'
Inclination: 1.38°
Azimuth: 225.84°
VS: -85.1°

NOTE SCALE CHANGE

MD: 9,672'
TVD: 9,663.47'
Inclination: 1.34°
Azimuth: 220.41°
VS: -83.43°



wet cut

SH: blkly - sb plty, sme tab, frm-mod hd, slty, rthy, sl mmica, sme cal incls, mod calc, scat vf dissm pyr, no vis wet cut

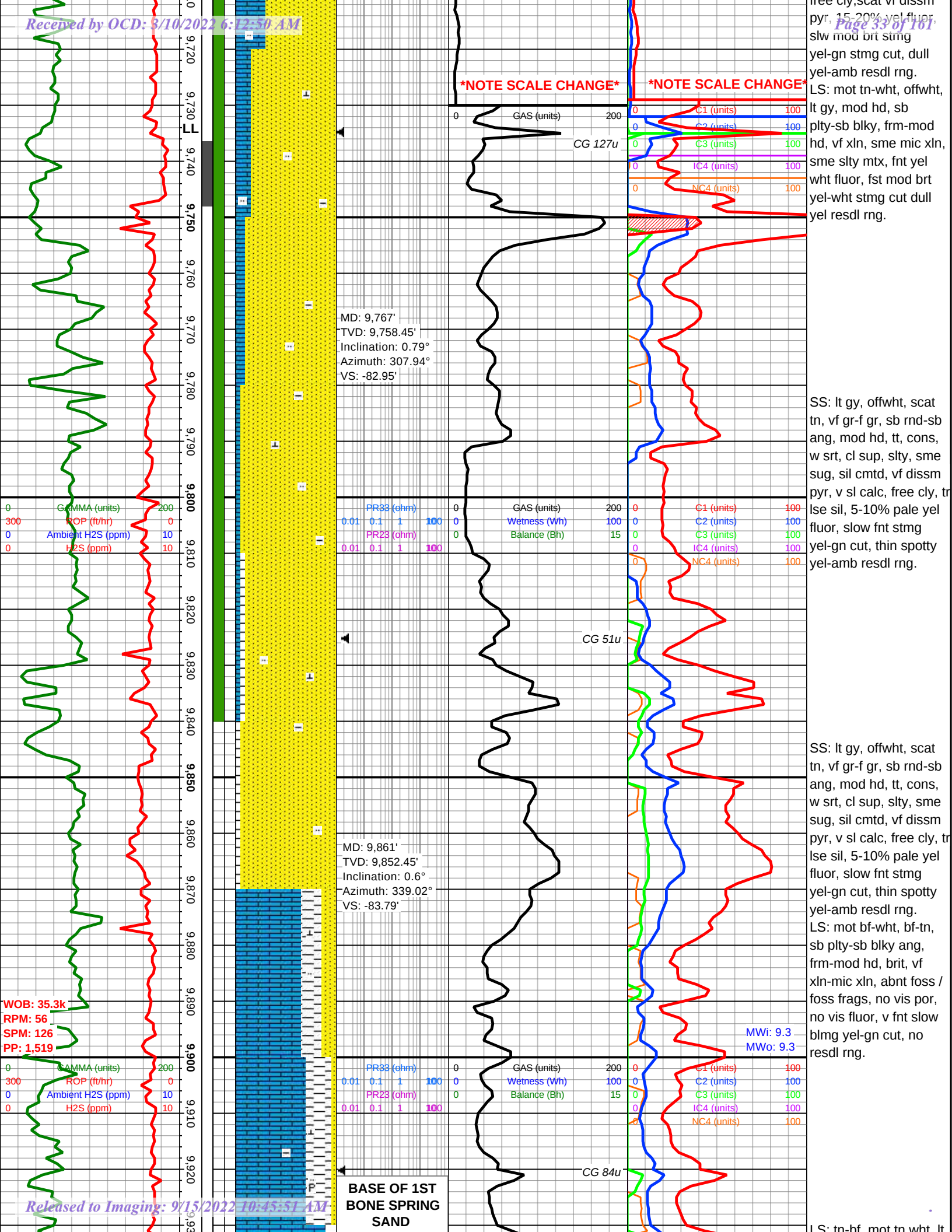
SS: lt gry, off wht, wht, frstd, v/fn - fn gr, sbrnnd - rndd, lsly cnsld / prly cmntd, pred slty / calc mtrx, frly wll srtd, clst spprtd, occ calc incls, tr fre cly, sme v/fnly pyrc ip, tr-10% dll yll fluor, pr slw difse yll/wht wet cut, dll thn spty pl yll resd rng

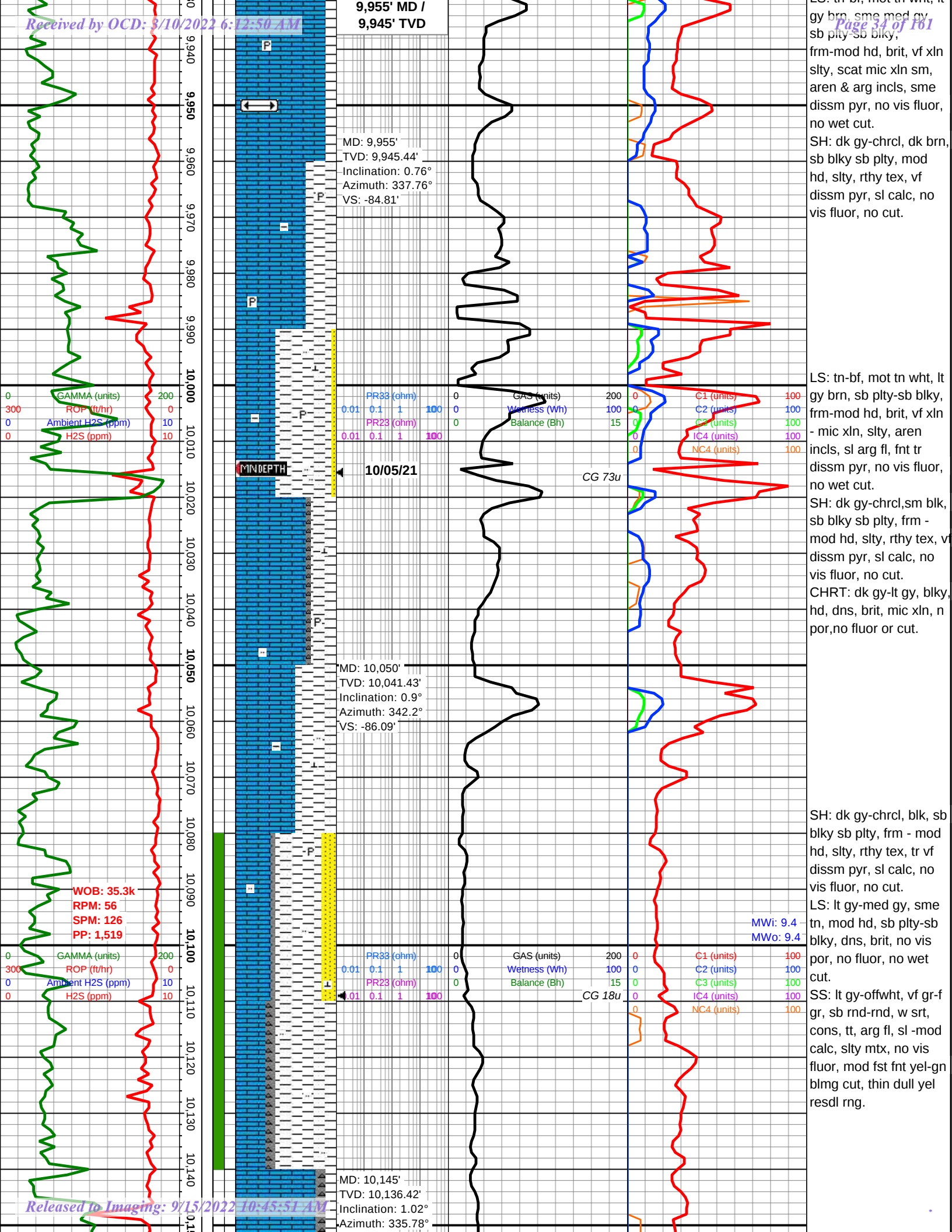
LS: wht, off wht, lt gry, v/fn - mic xln, mod dns, frm - mod frm, brit, slty ip, occ v/fnly pyrc, no vis fluor or wet cut

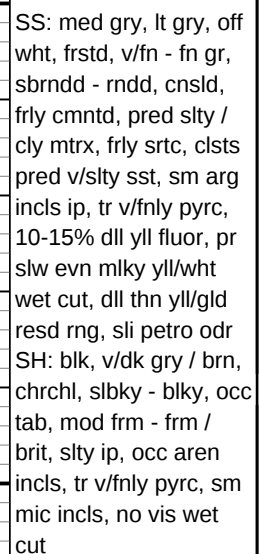
SS: lt gry, frstd, wht, off wht, tr med gry, v/fn - fn gr, sbrnnd - rndd, prly cnsld, pred slty / kaol fre cly, sm calc cmnt ip, frly wll srtd, clst-mtrx spprtd, slty ip, occ v/fnly pyrc, 20-30% mod brt yll/grn fluor, fr mod fst strmgng pl yll/wht wet cut, mod brt yll resd rng, mod strmgng petro odr

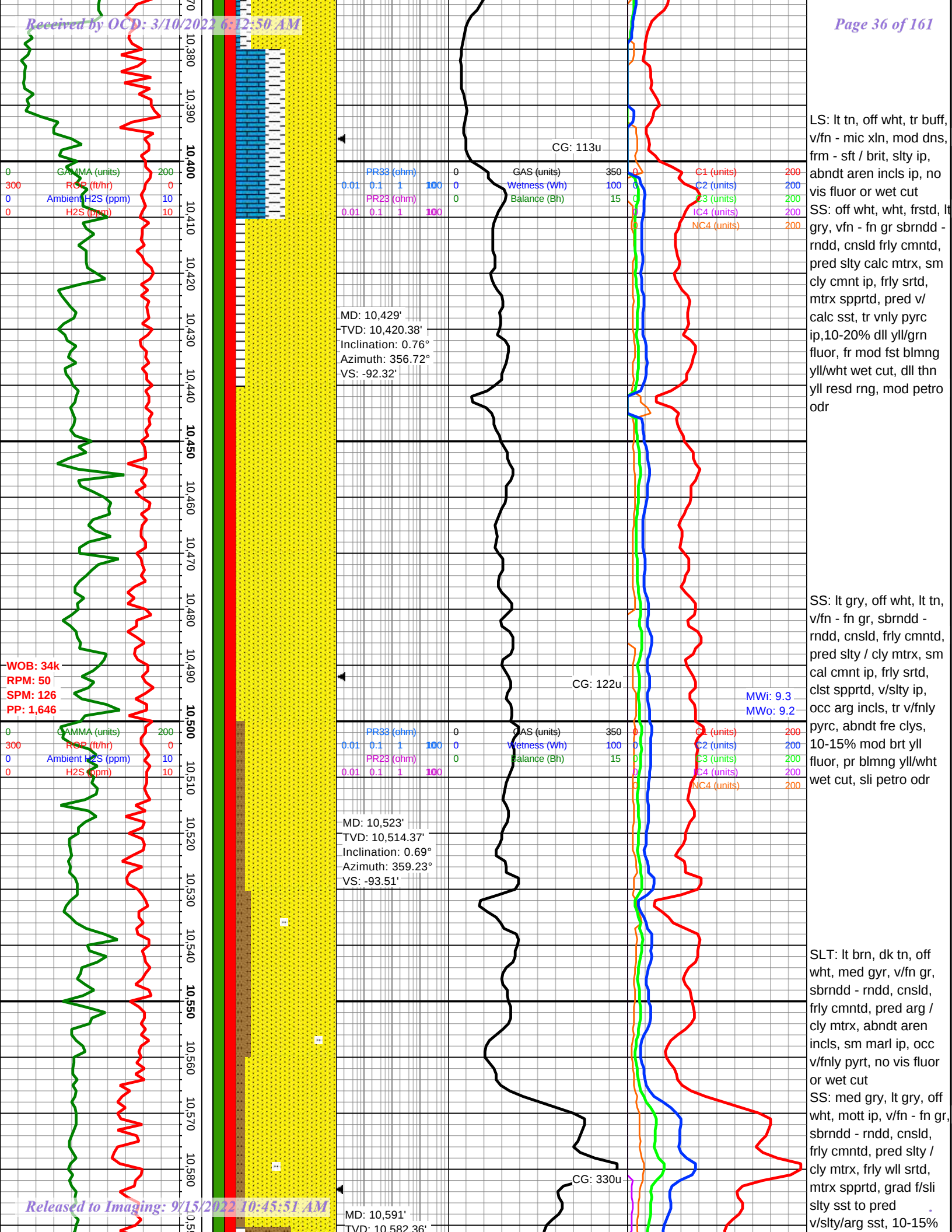
SS: offwht-v lt gy, tn, vf gr-f gr, sb rnd-sb ang, mod hd, tt, cons, w srt, cl sup, slty, sme sug, mod cal cmntd, sme frce ch coat vf dissm

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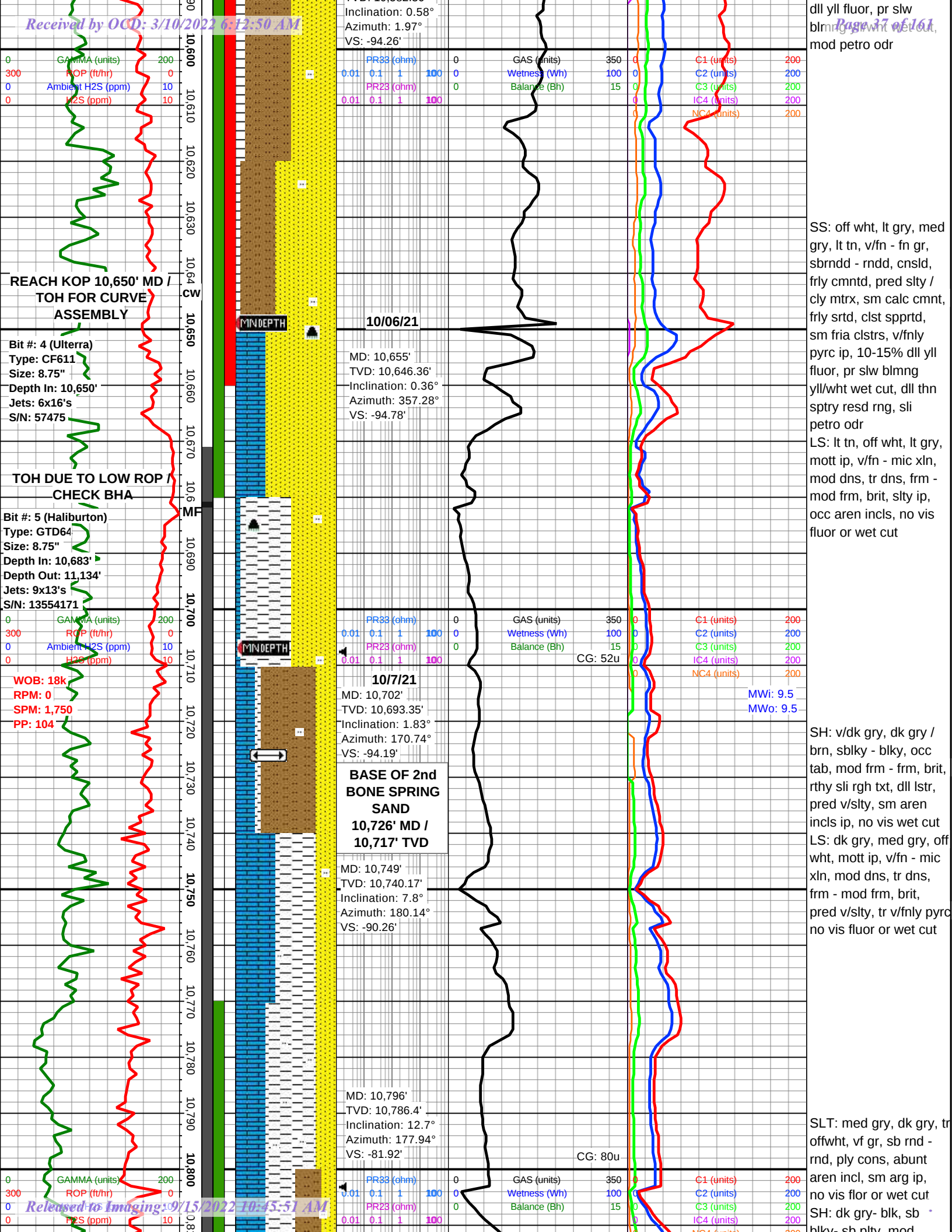




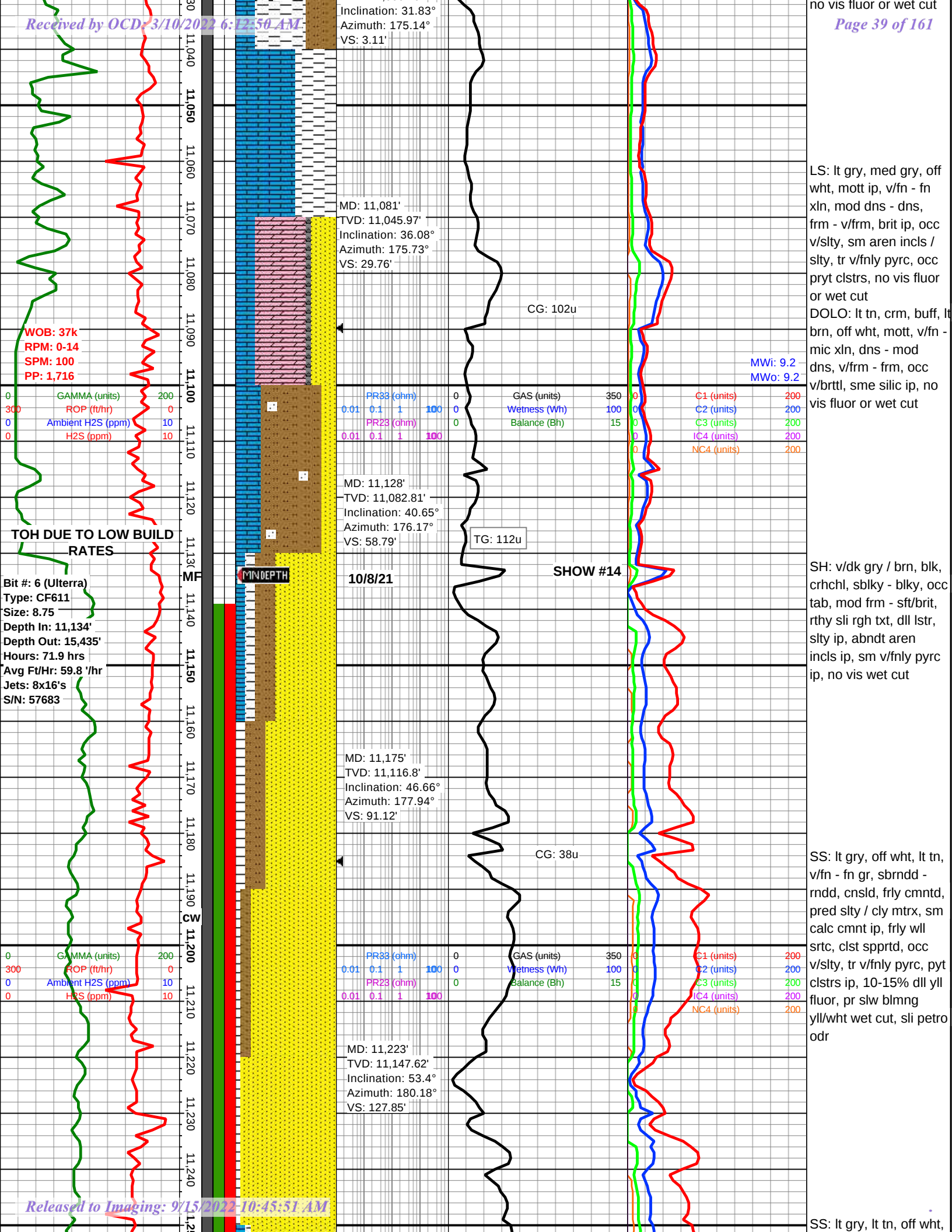


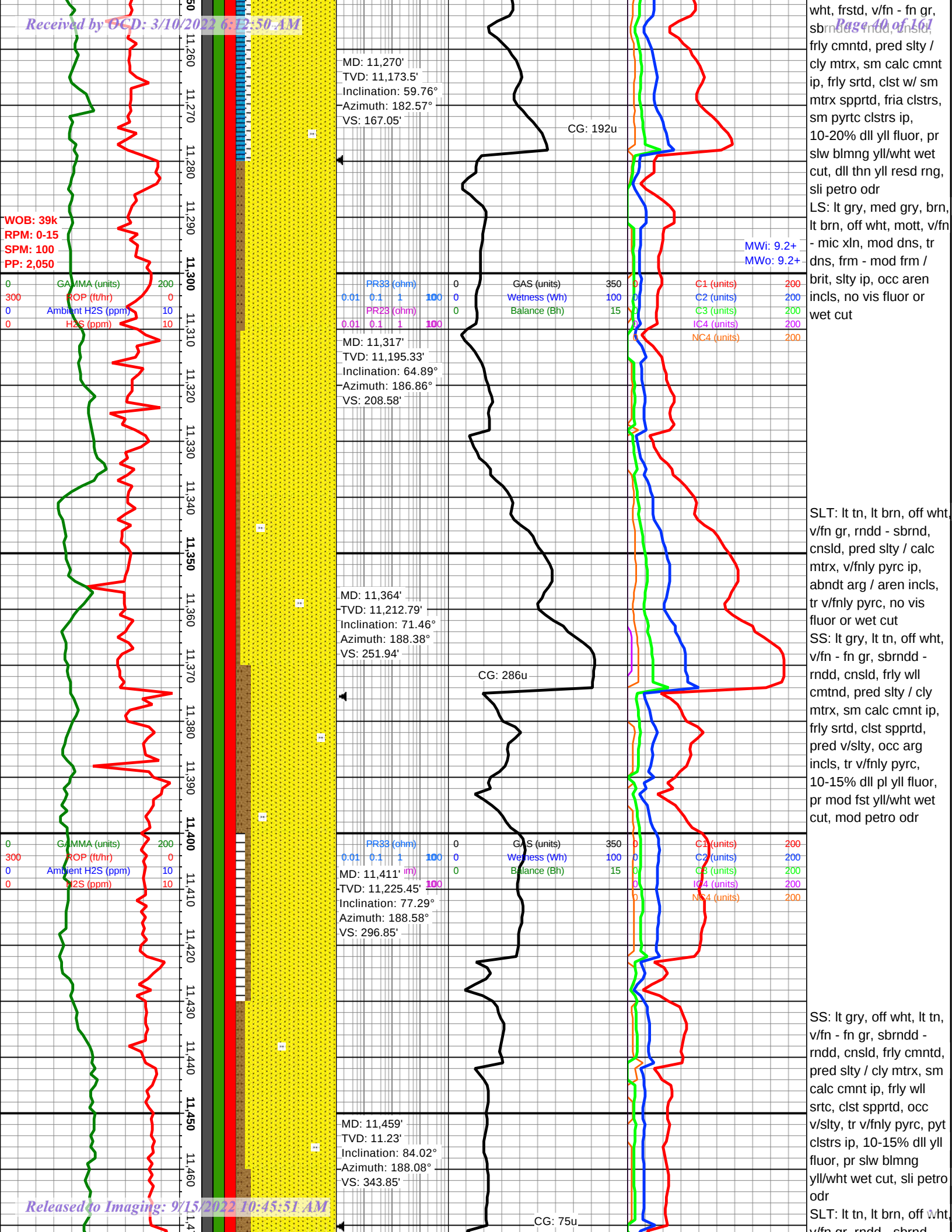


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WOB: 26k
RPM: 0-15
SPM: 100
PP: 1,750

MWi: 9.2+
MWO: 9.2+

GAMMA (units) 200
ROP (ft/hr) 0
Ambient H2S (ppm) 10
H2S (ppm) 10

PR33 (ohm) 0
0.01 0.1 1 100 0
PR23 (ohm) 0
0.01 0.1 1 100 0

GAS (units) 350
Wetness (Wh) 100
Balance (Bh) 15

C1 (units) 200
C2 (units) 200
C3 (units) 200
IC4 (units) 200
NC4 (units) 200

MD: 11,506'
TVD: 11,235.44'
Inclination: 90.6°
Azimuth: 186.41°
VS: 390.54'

SS: lt gry, off wht, frstd,
tr lt tn, v/fn - fn gr,
sbrnnd - rndd, cnslid,
lsly cmntd, pred slty /
cly mtrx, cm calc cmnt
ip, frly srtd, clst spprtd,
pred fria clstrs, sm
v/fnly pyrc ip, 10% dll
yll fluor, pr slw blmng
yll/wht wet cut, sli petro
odr
SH: blk, v/dk gry / blk,
chrchl, sblky - blkly, occ
tab, mod frm - sft/ brit,
rthy sli rght xt, dll lstr,
slty / aren incls, ip, no
vis wet cut

CG: 54u

GAMMA (units) 200
ROP (ft/hr) 0
Ambient H2S (ppm) 10
H2S (ppm) 10

PR33 (ohm) 0
0.01 0.1 1 100 0
PR23 (ohm) 0
0.01 0.1 1 100 0

GAS (units) 350
Wetness (Wh) 100
Balance (Bh) 15

C1 (units) 200
C2 (units) 200
C3 (units) 200
IC4 (units) 200
NC4 (units) 200

MD: 11,600'
TVD: 11,232.46'
Inclination: 9.303°
Azimuth: 182.59°
VS: 484.35'

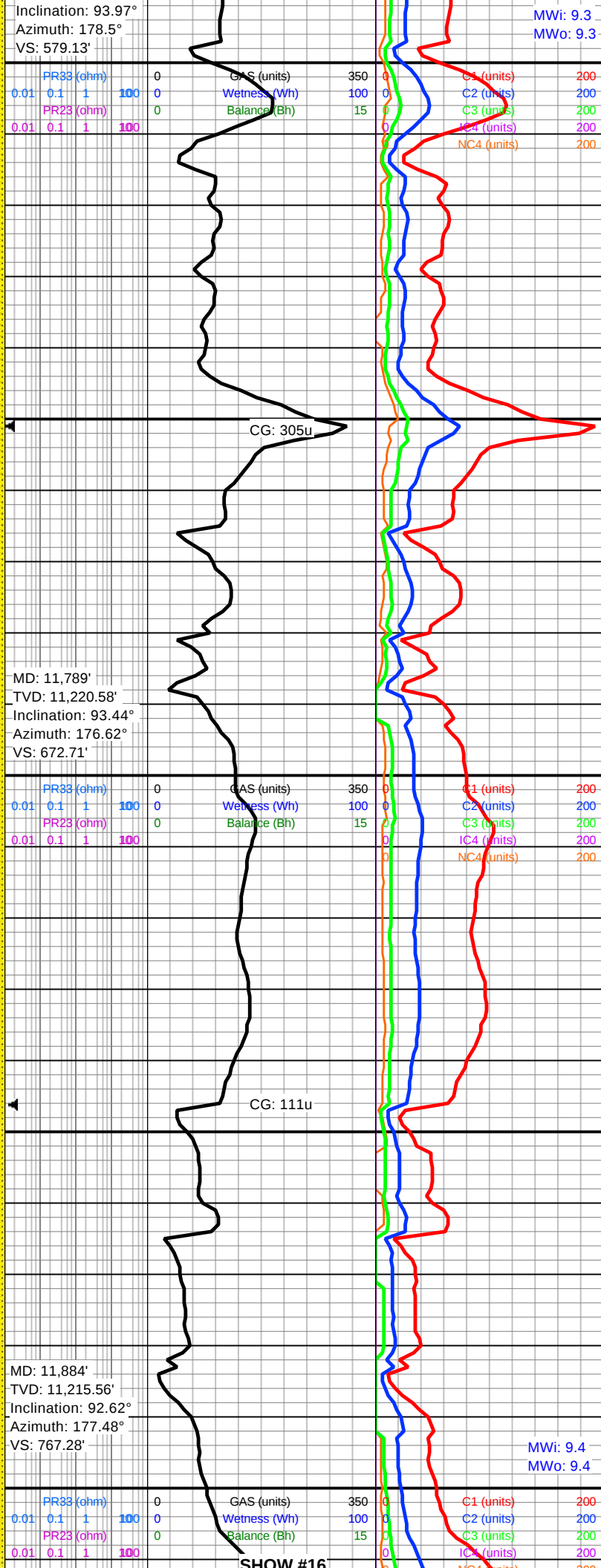
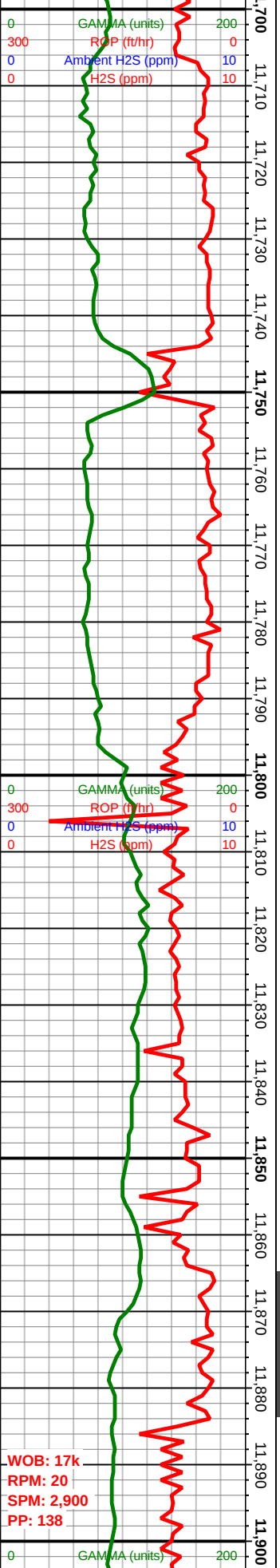
SS: lt gry, lt off wht, lt
tn, v/fn - fn gr, rndd -
sbrnnd, cnslid, frly
cmntd, pred slty / cly
mtrx, sm calc cmnt ip,
frly wll srtd, clst spprtd,
occ slty, tr arg incls,
sm v/fnly pyrc ip, sm fr
clys, 10-15% dll yll
fluor, pr slw blmng
yll/wht wet cut, dll thn
yll resd rng, sli petro
odr
SLT: lt tn, tn, off wht, lt
brn, mot ip, v/fn gr,
sbrnnd - rndd, abndt
aren incls, tr arg incls,
sm v/fnly pyrc, no vis
fluor or wet cut

SHOW #15

CG: 130u

RIG SERVICE

MF



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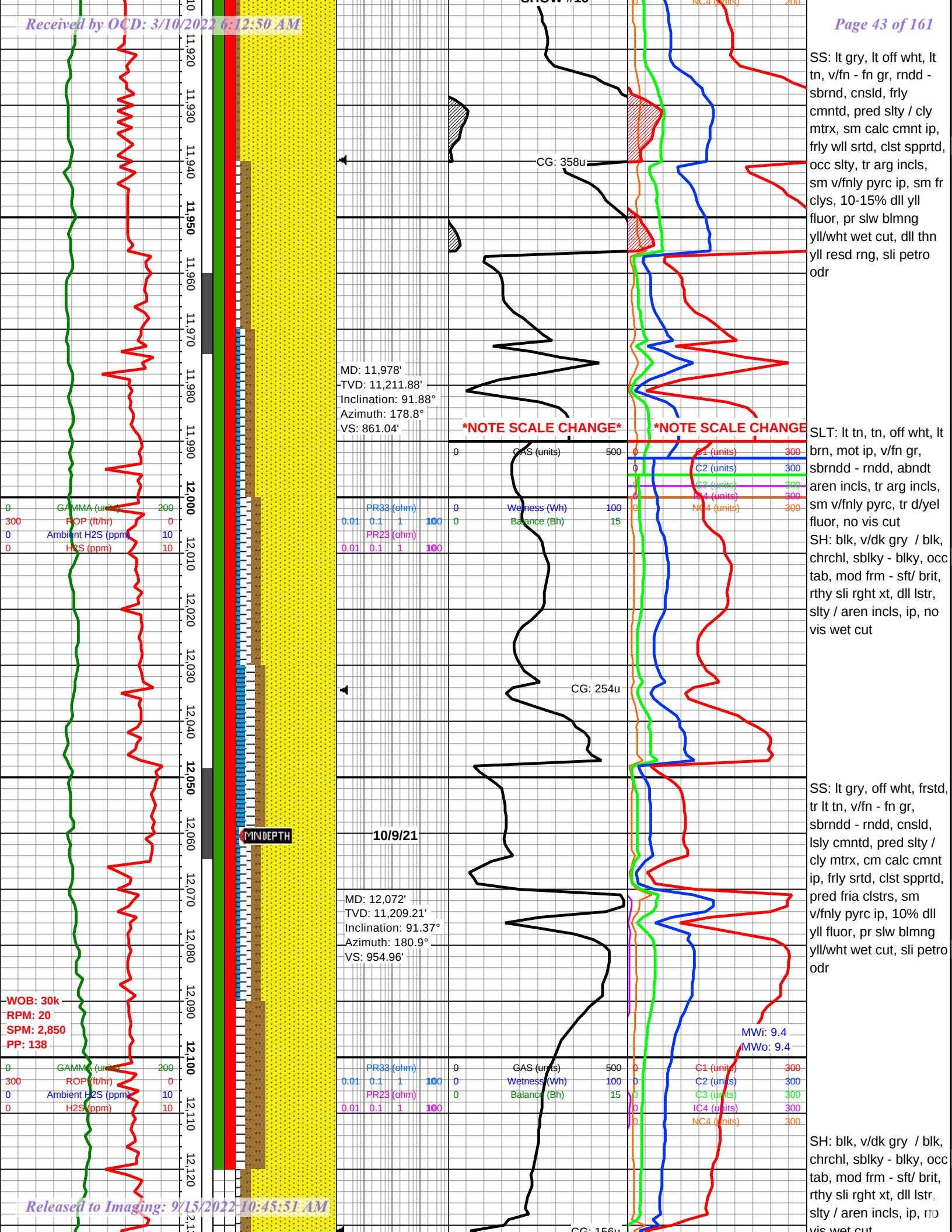
SS: lt gry, off wht, frstd, tr lt tn, v/fn - fn gr, sbrnnd - rndd, cnsl, lsly cmntd, pred slty / cly mtrx, cm calc cmnt ip, frly srted, clst spptd, pred fria clstrs, sm v/fnly pyrc ip, 10% dll yll fluor, pr slw blmng yll/wht wet cut, sli petro odr

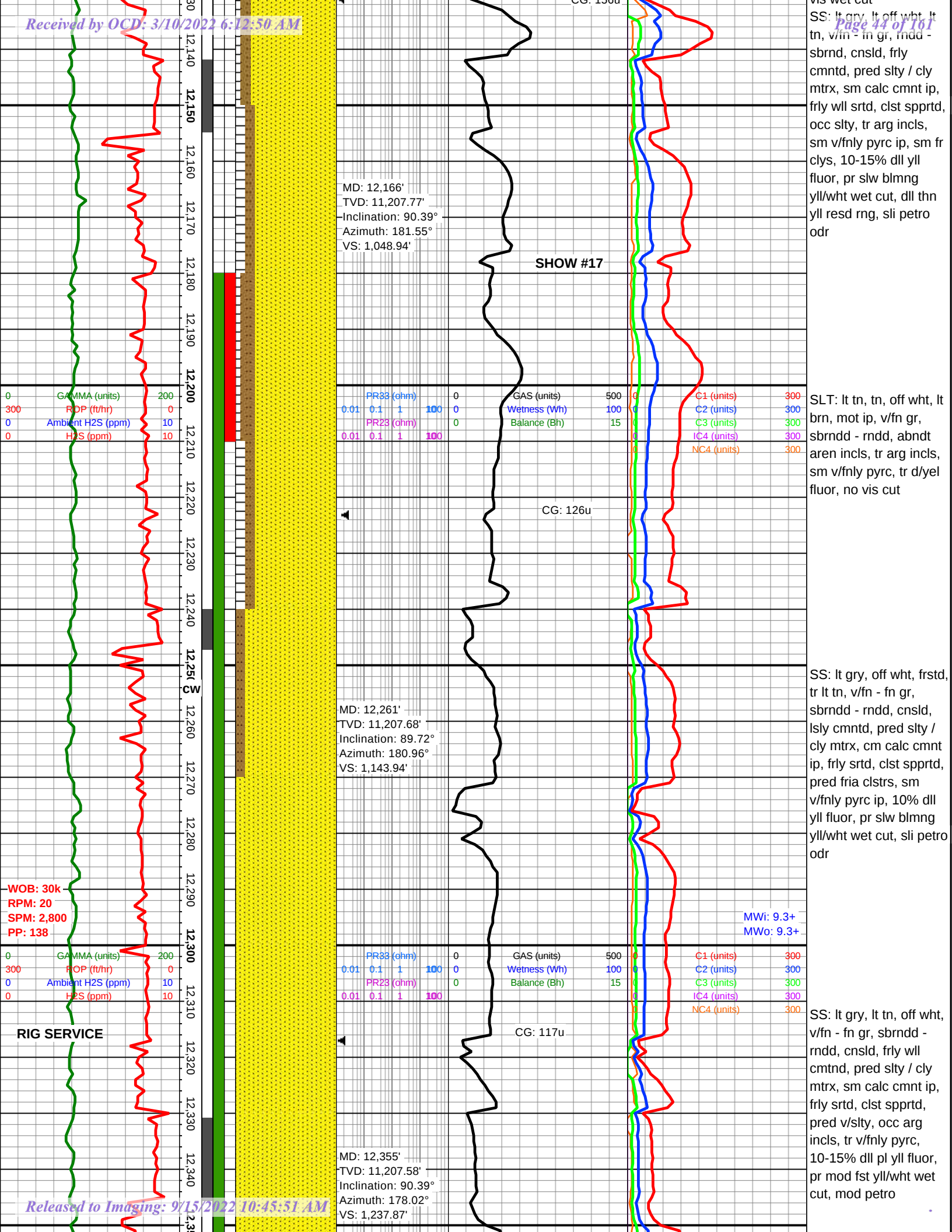
SH: blk, v/dk gry / blk, chrchl, sblky - blk, occ tab, mod frm - sft/ brit, rthy sli right xt, dll lstr, slty / aren incls, ip, no vis wet cut

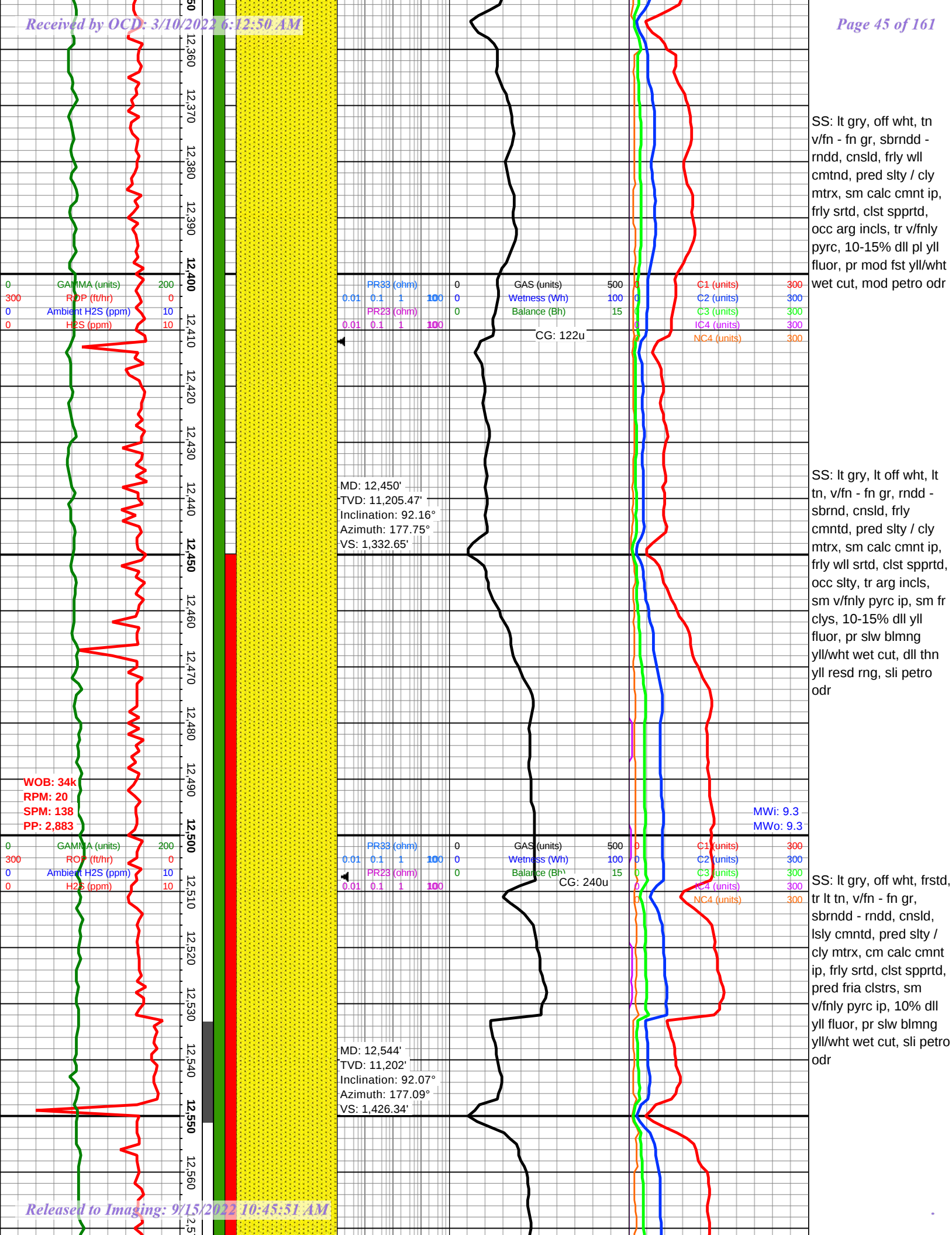
SS: lt gry, lt off wht, lt tn, v/fn - fn gr, rndd - sbrnnd, cnsl, frly cmntd, pred slty / cly mtrx, sm calc cmnt ip, frly wll srted, clst spptd, occ slty, tr arg incls, sm v/fnly pyrc ip, sm fr clys, 10-15% dll yll fluor, pr slw blmng yll/wht wet cut, dll thn yll resd rng, sli petro odr

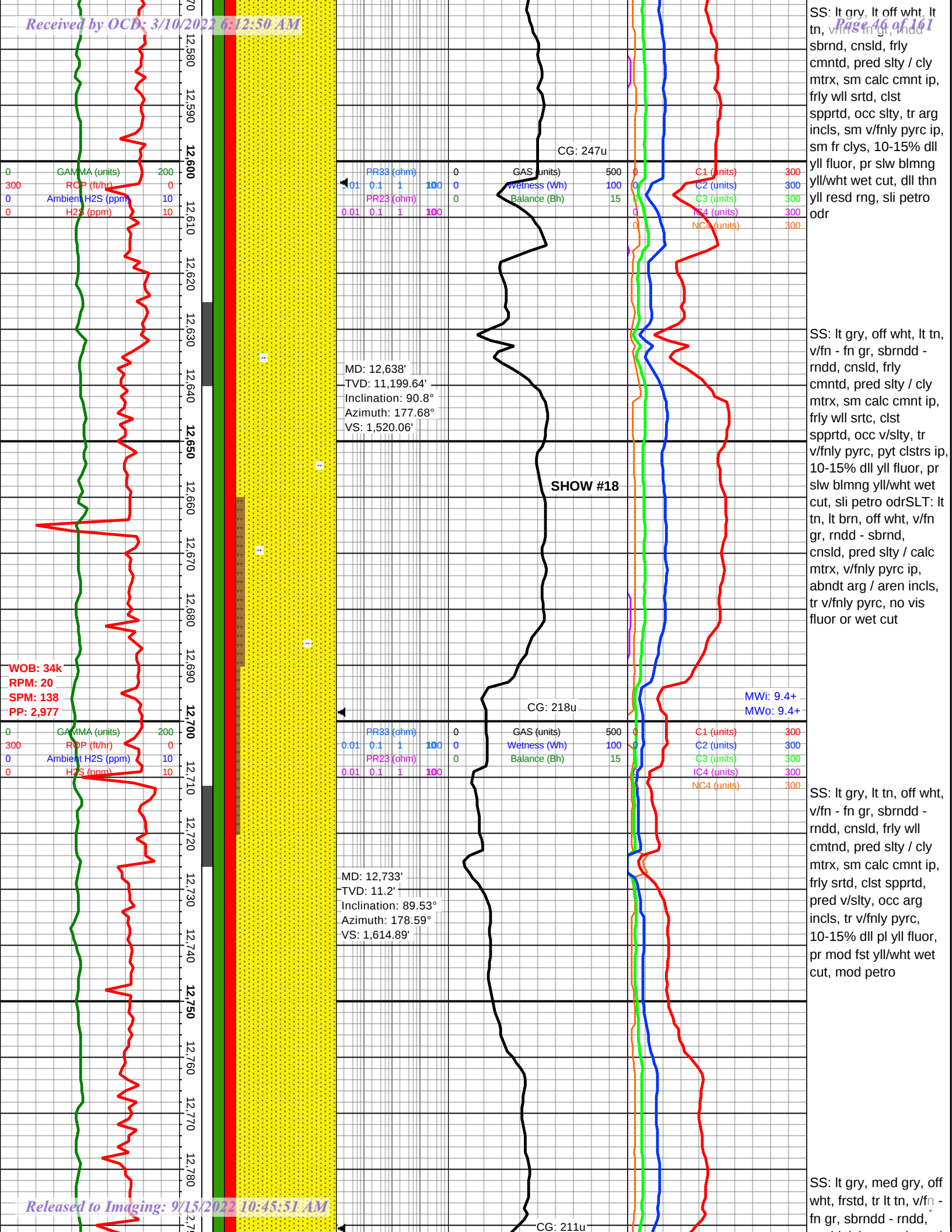
SLT: lt tn, off wht, lt brn, mot ip, v/fn gr, sbrnnd - rndd, abndt aren incls, tr arg incls, sm v/fnly pyrc, no vis fluor or wet cut

SS: lt gry, off wht, frstd, tr lt tn, v/fn - fn gr, sbrnnd - rndd, cnsl, lsly cmntd, pred slty / cly mtrx, cm calc cmnt ip, frly srted, clst spptd, pred fria clstrs, sm v/fnly pyrc ip, sli petro odr

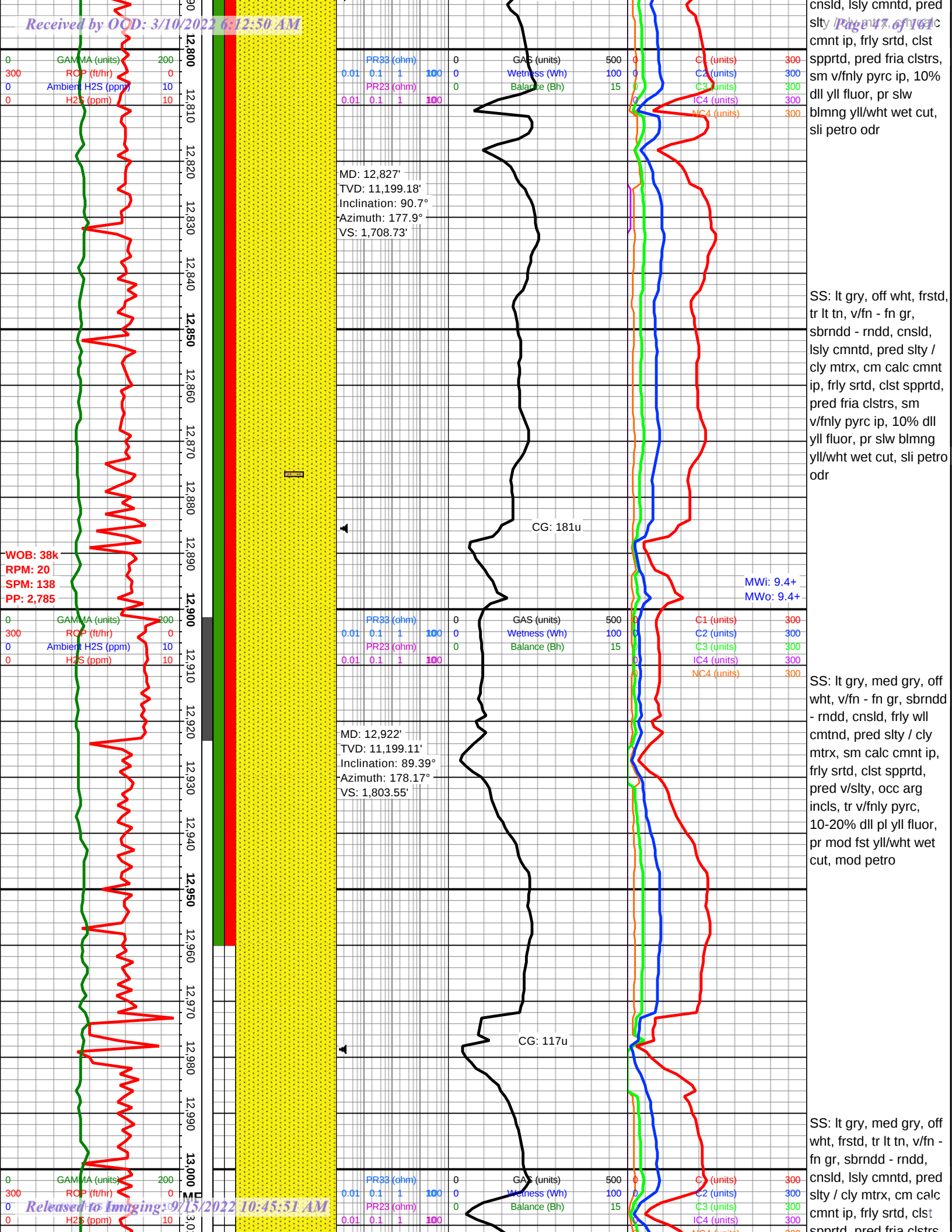


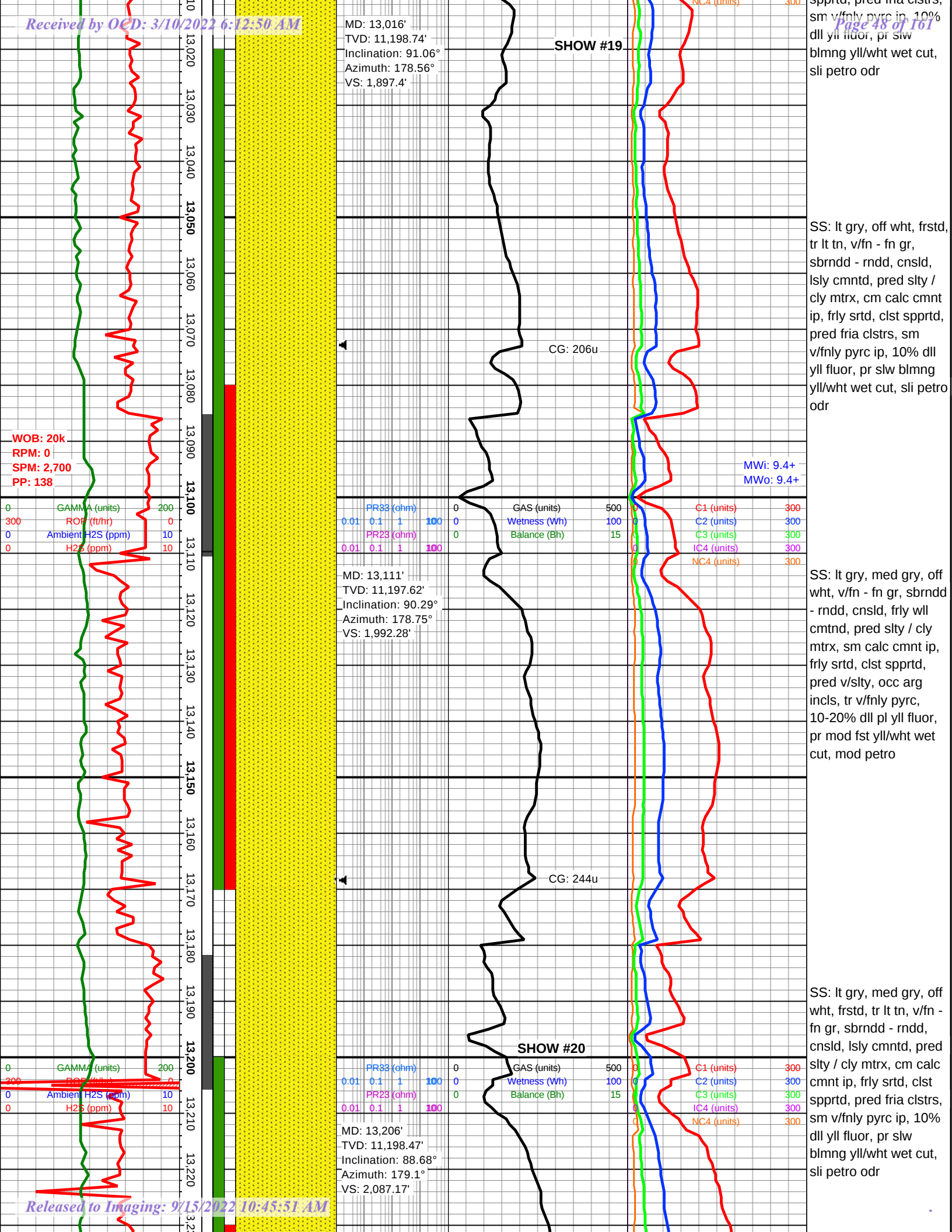


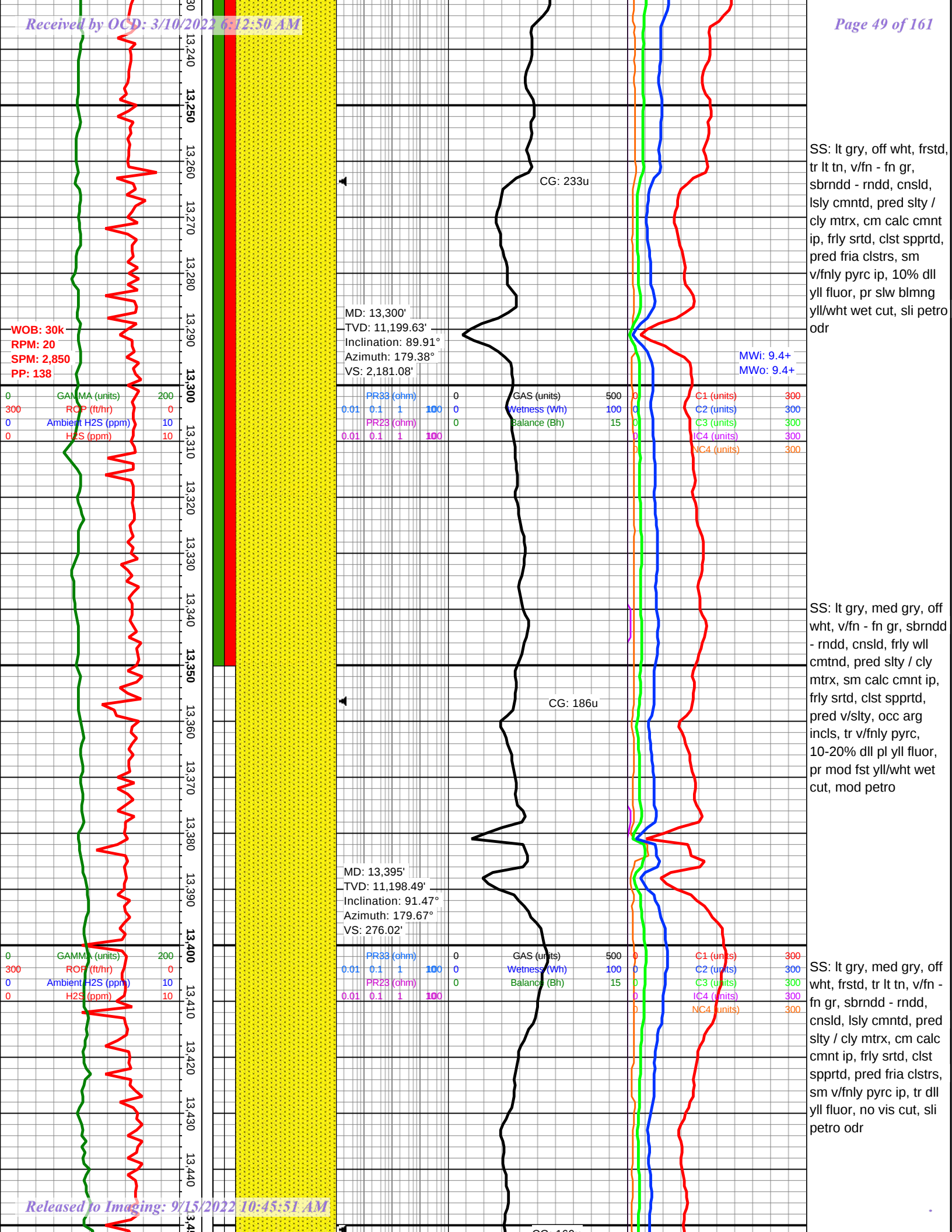


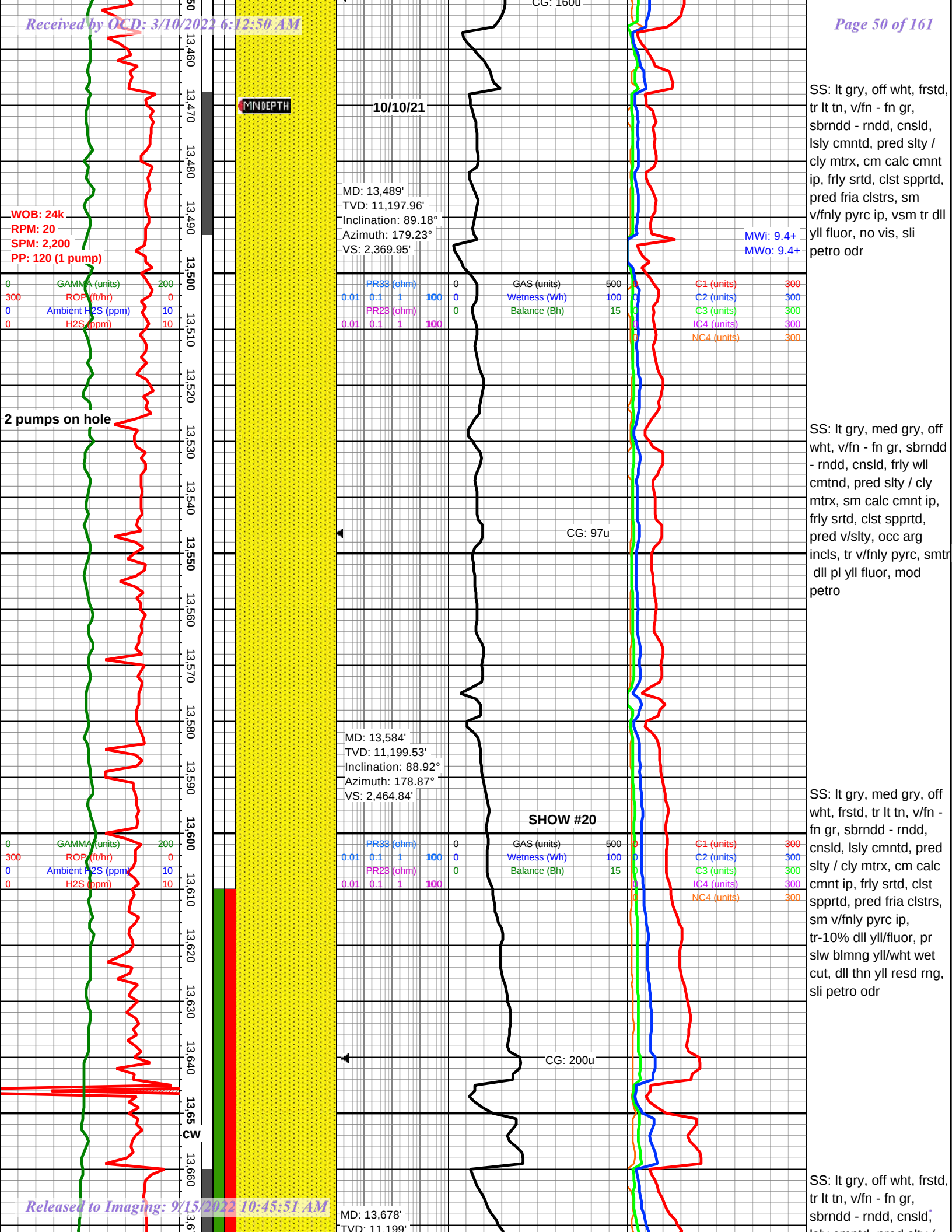


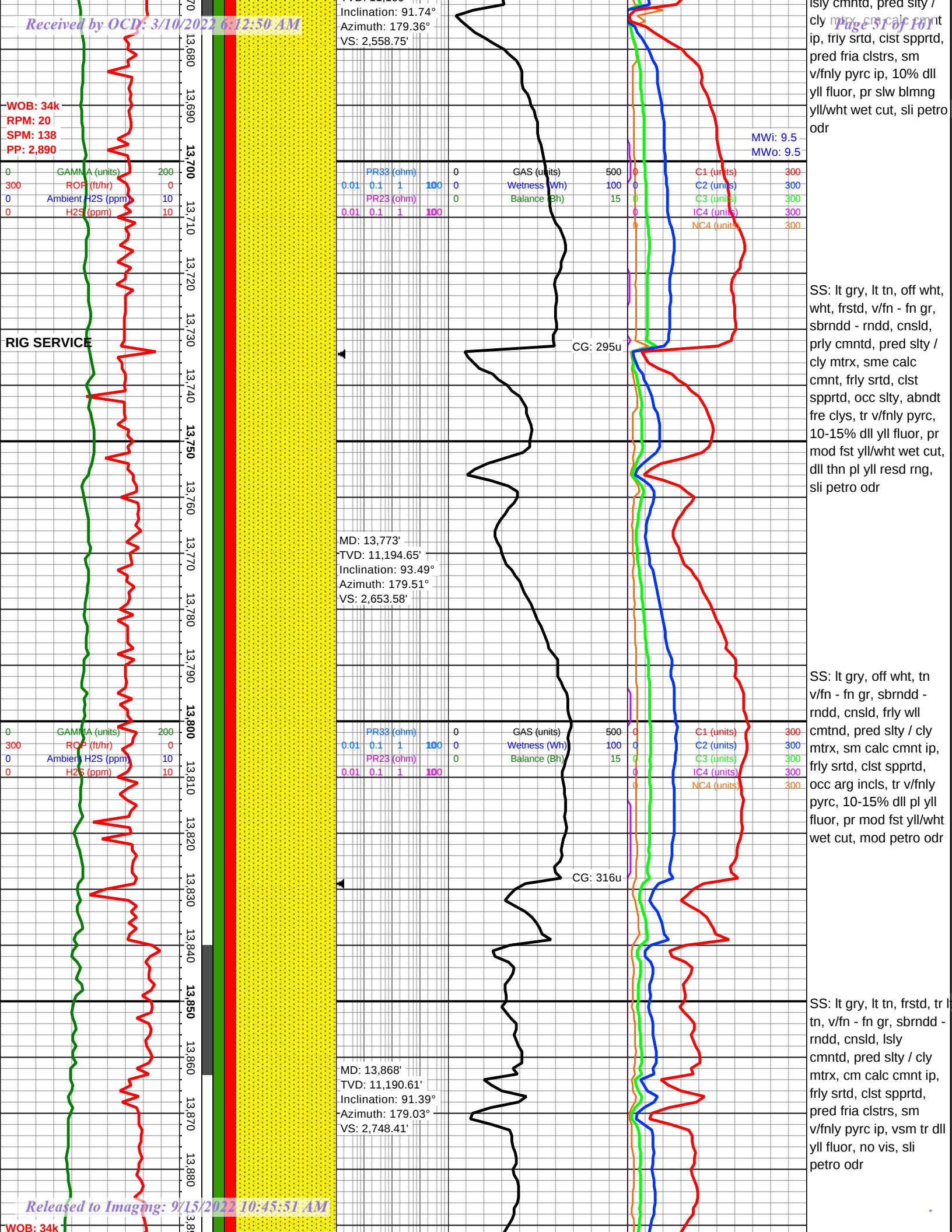
Received by OOD: 3/10/2022 6:12:50 AM

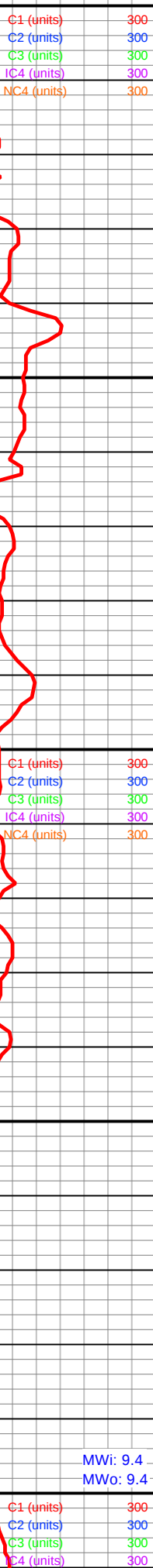
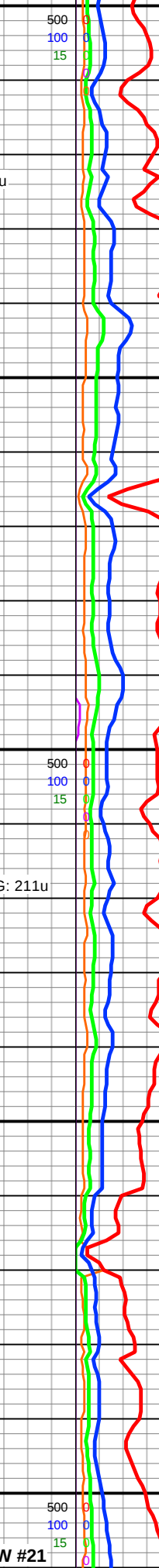
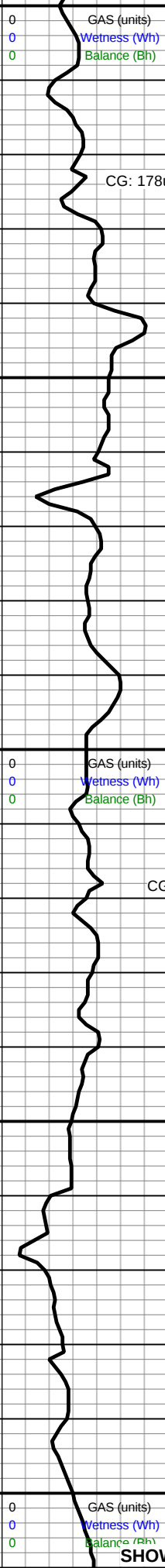
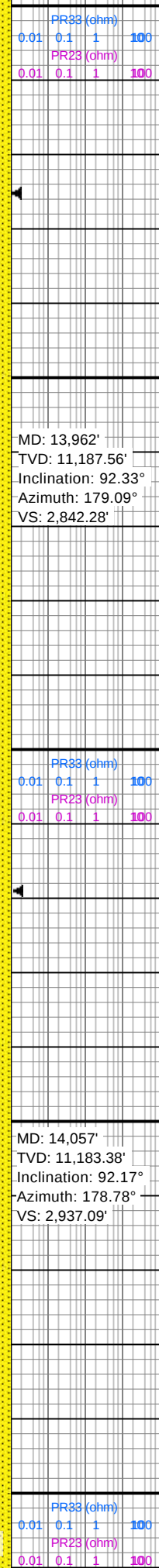
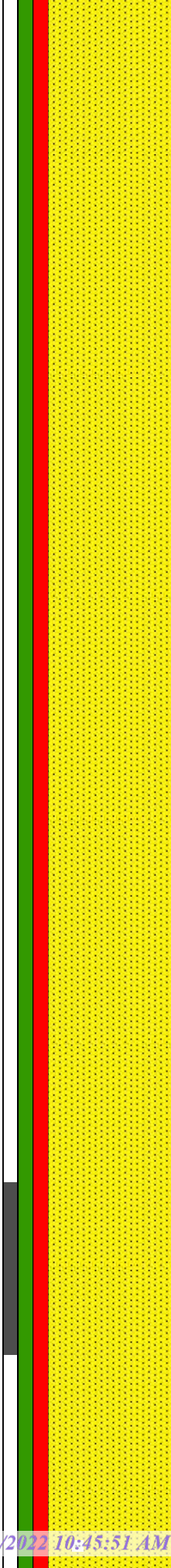
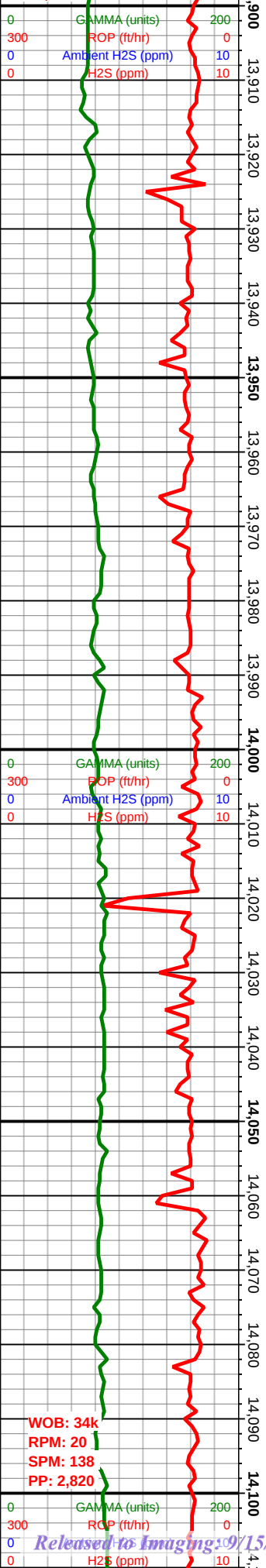










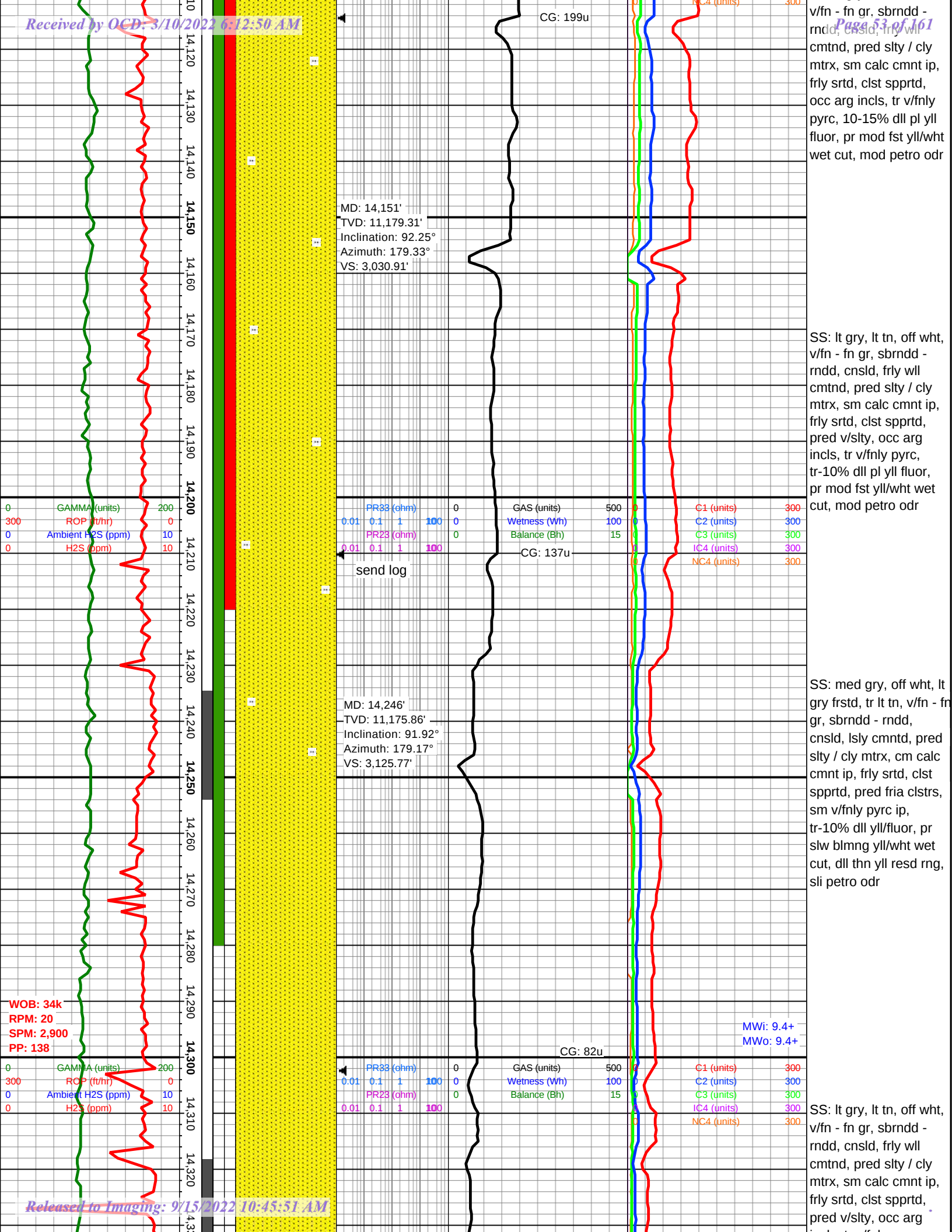


SS: It gry, off wht, frstd, tr lt tn, v/fn - fn gr, sbrndd - rndd, cnsl, lsly cmntd, pred slty / cly mtrx, cm calc cmnt ip, frly srtd, clst spprtd, pred fria clstrs, sm v/fnly pyrc ip, 10% dll yll fluor, pr slw blmng yll/wht wet cut, sli petro odr

SS: It gry, med gry, off wht, frstd, tr lt tn, v/fn - fn gr, sbrndd - rndd, cnsl, lsly cmntd, pred slty / cly mtrx, cm calc cmnt ip, frly srtd, clst spprtd, pred fria clstrs, sm v/fnly pyrc ip, tr-10% dll yll/fluor, pr slw blmng yll/wht wet cut, dll thn yll resd rng, sli petro odr

SS: It gry, lt tn, off wht, frstd, v/fn - fn gr, sbrndd - rndd, cnsl, prly cmntd, pred slty / cly mtrx, sme calc cmnt, frly srtd, clst spprtd, occ slty, abndt fre clys, tr v/fnly pyrc, 10-15% dll yll fluor, pr mod fst yll/wht wet cut, dll thn pl yll resd rng, sli petro odr

SS: It gry, off wht, tn



SS: lt gry, off wht, tn
v/fn - fn gr, sbrnrd -
rnrdd, cnslld, frly wll
cmtnd, pred slty / cly
mtrx, sm calc cmnt ip,
frly srtd, clst spprtd,
occ arg incls, tr v/fnly
pyrc, no vis fluor/cut
mod petro odr

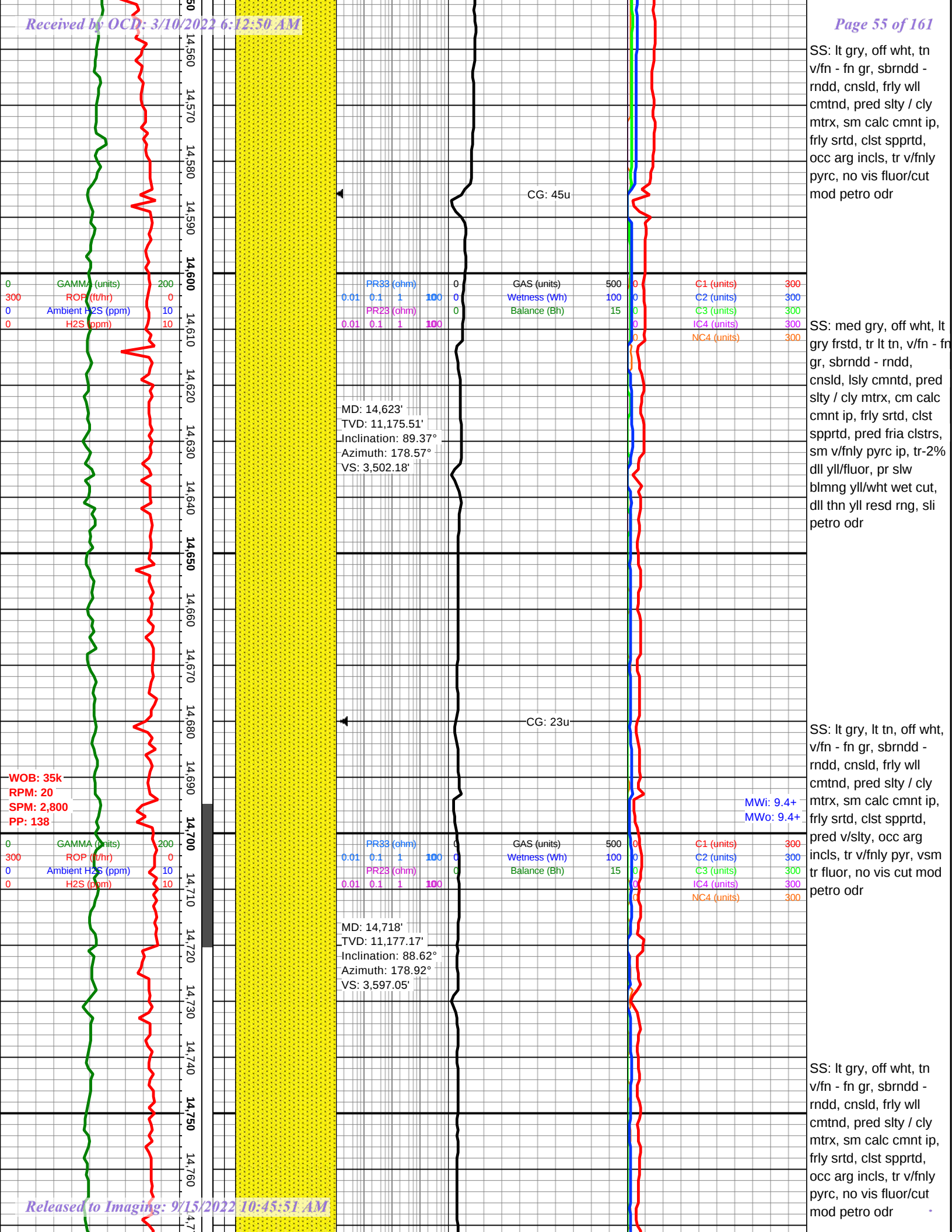
C1 (units)	300
C2 (units)	300
C3 (units)	300
IC4 (units)	300
NC4 (units)	300

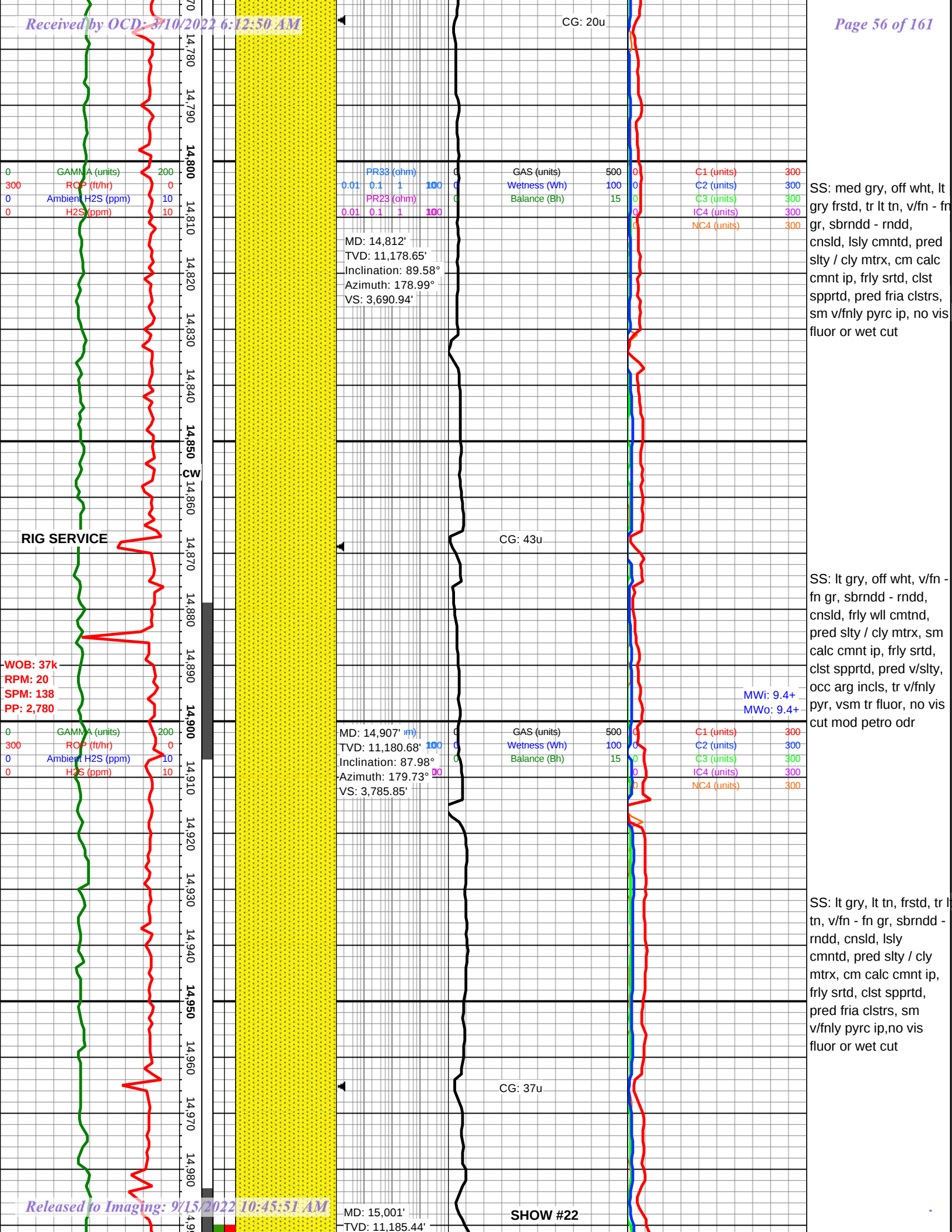
SS: med gry, off wht, lt
gry frstd, tr lt tn, v/fn - fr
gr, sbrnrd - rndd,
cnslsd, lsly cmntd, pred
sly / cly mtrx, cm calc
cmnt ip, frly srted, clst
spprtd, pred fria clstrs,
sm v/fnly pyrc ip, tr-2%
dll yll/fluor, pr slw
blmgng yll/wht wet cut,
dll thn yll resd rng, sli
petro odr

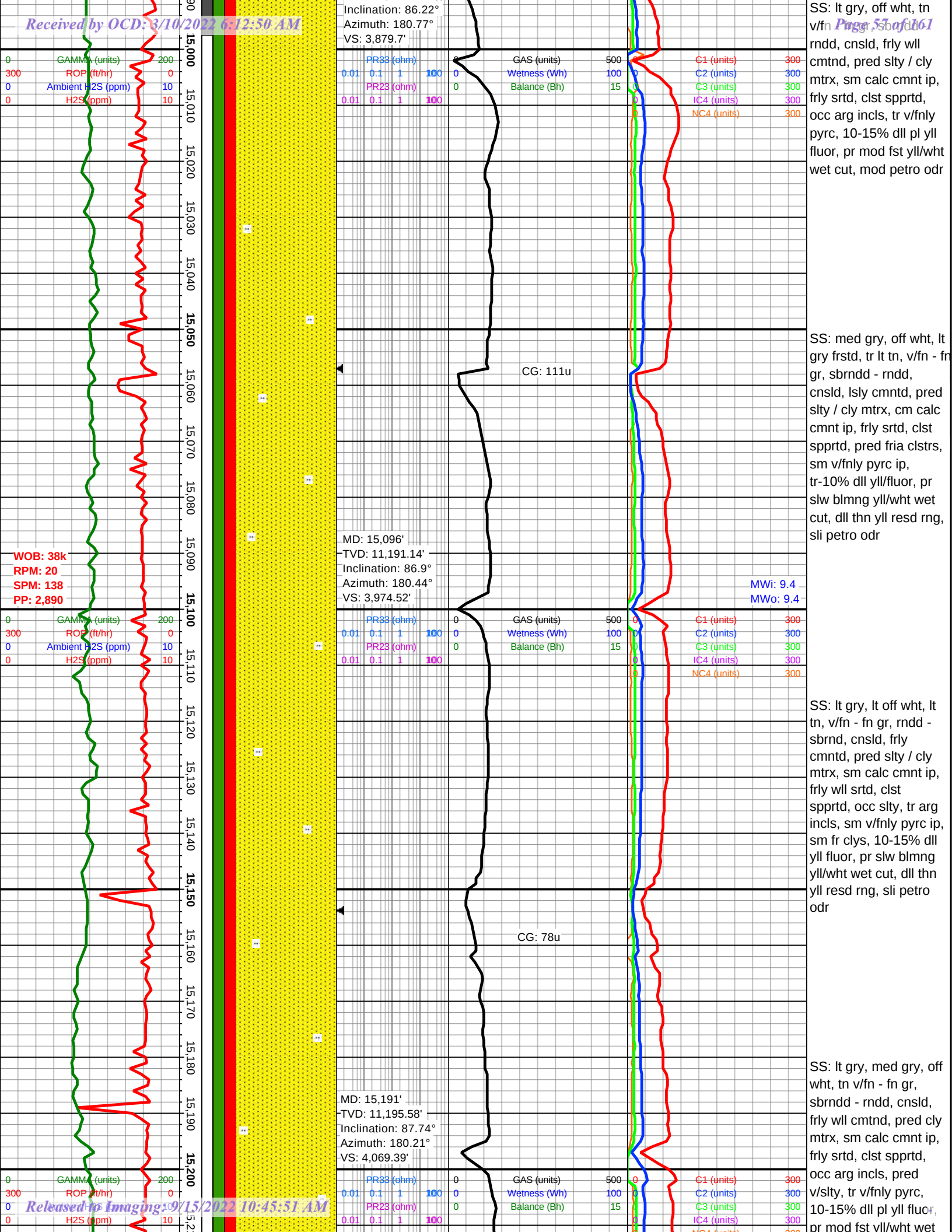
MWi: 9.4+
MWo: 9.4+

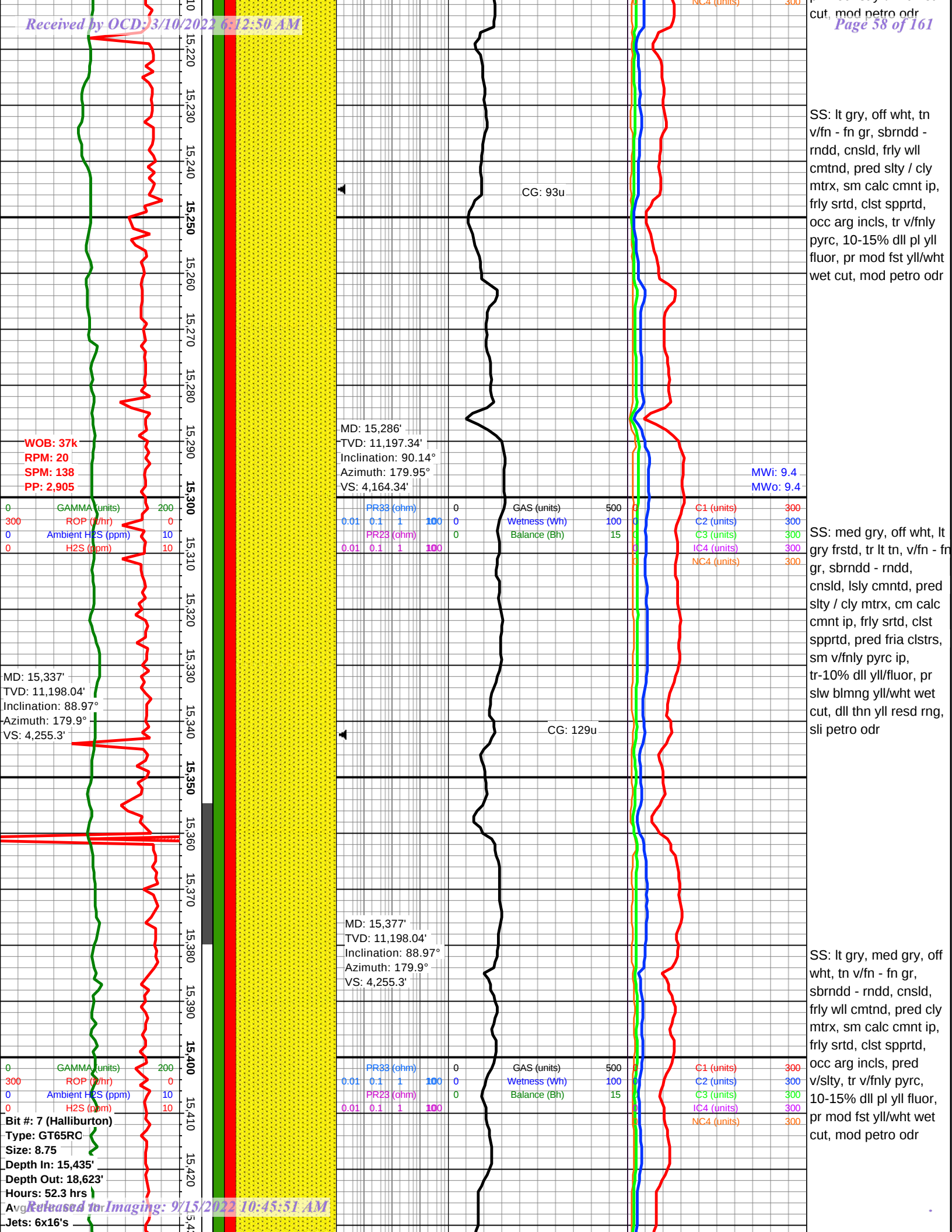
C1 (units)	300
C2 (units)	300
C3 (units)	300
IC4 (units)	300
NC4 (units)	300

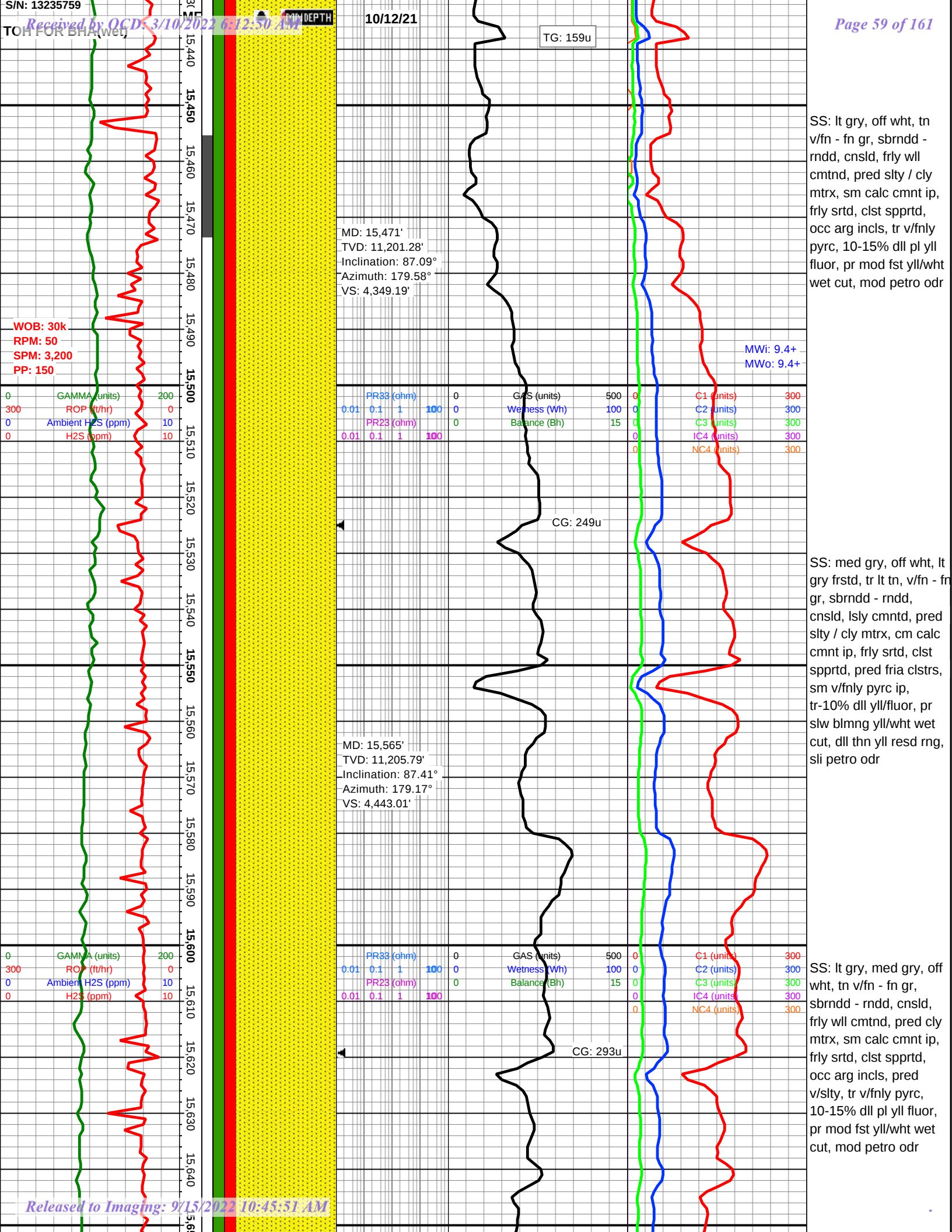
SS: lt gry, lt tn, off wht,
v/fn - fn gr, sbrnndd -
rnndd, cnslld, frly wll
cmtnnd, pred slty / cly
mtrrx, sm calc cmnt ip,
frly srtd, clst spprtd,
pred v/slty, occ arg
incls, tr v/fnly pyr, vsm
tr fluor, no vis cut mod
petro odr

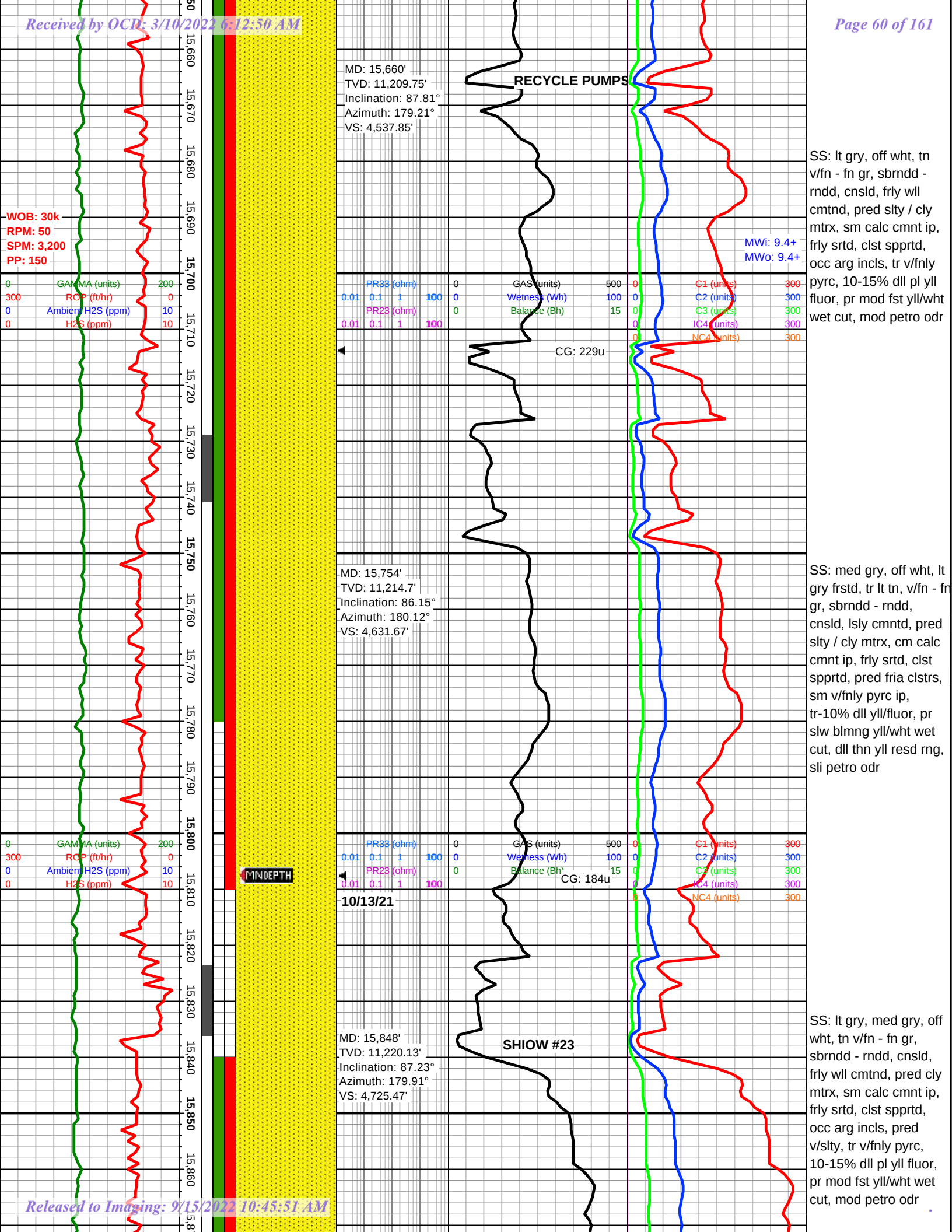












WOB: 30k
RPM: 40
SPM: 3,200
PP: 150

0 GAMMA (units) 200
300 ROP (ft/hr) 0
0 Ambient H2S (ppm) 10
0 H2S (ppm) 10

PR33 (ohm) 0
0.01 0.1 1 100 0
PR23 (ohm) 0
0.01 0.1 1 100 0

GAS (units) 500
Wellness (Wh) 100 0
Balance (Bh) 15 0

MWi: 9.4+
MWo: 9.4+

C1 (units) 300
C2 (units) 300
C3 (units) 300
IC4 (units) 300
NC4 (units) 300

SS: lt gry, off wht, tn v/fn - fn gr, sbrndd - rndd, cnsl'd, frly wll cmntd, pred slty / cly mtrx, sm calc cmnt ip, frly srtd, clst spprtd, occ arg incls, tr v/fnly pyrc, 10-15% dll pl yll fluor, pr mod fst yll/wht wet cut, mod petro odr

MD: 15,942'
TVD: 11,223.85'
Inclination: 88.23°
Azimuth: 179.26°
VS: 4,819.34'

CG: 300u

RIG SERVICE

0 GAMMA (units) 200
300 ROP (ft/hr) 0
0 Ambient H2S (ppm) 10
0 H2S (ppm) 10

PR33 (ohm) 0
0.01 0.1 1 100 0
PR23 (ohm) 0
0.01 0.1 1 100 0

GAS (units) 500
Wellness (Wh) 100 0
Balance (Bh) 15 0

CG: 207u

C1 (units) 300
C2 (units) 300
C3 (units) 300
IC4 (units) 300
NC4 (units) 300

SS: med gry, off wht, lt gry frstd, tr lt tn, v/fn - fn gr, sbrndd - rndd, cnsl'd, lsly cmntd, pred slty / cly mtrx, cm calc cmnt ip, frly srtd, clst spprtd, pred fria clstrs, sm v/fnly pyrc ip, tr-10% dll yll/fluor, pr slw blmng yll/wht wet cut, dll thn yll resd rng, sli petro odr

MD: 16,036'
TVD: 11,226.41'
Inclination: 88.65°
Azimuth: 179.09°
VS: 4,913.23'

CG: 273u

SS: lt gry, med gry, off wht, tn v/fn - fn gr, sbrndd - rndd, cnsl'd, frly wll cmntd, pred slty / cly mtrx, sm calc cmnt ip, frly srtd, clst spprtd, occ arg incls, tr v/fnly pyrc, 10-20% dll pl yll fluor, pr mod fst yll/wht wet cut, mod petro odr

RPM: 50
SPM: 3,380
PP: 3,380

GAMMA (units)
ROF (ft/hr)
Ambient H2S (ppm)
H2S (ppm)

200
0
10
10

16,100
16,110
16,120
16,130
16,140
16,150
16,160
16,170
16,180
16,190
16,200
16,210
16,220
16,230
16,240
16,250
16,260
16,270
16,280
16,290
16,300

WOB: 34k
RPM: 60
SPM: 3,309
PP: 3,303

GAMMA (units)
ROF (ft/hr)
Ambient H2S (ppm)
H2S (ppm)

200
0
10
10

Released to Imaging: 9/15/2022 10:45:51 AM

Received by OCD: 3/10/2022 6:12:50 AM

PR33 (ohm)
0.01 0.1 1 100
PR23 (ohm)
0.01 0.1 1 100

0
0
0
0

GAS (units)
Wellness (Wh)
Balance (Bh)

500
100
15

C1 (units)
C2 (units)
C3 (units)
IC4 (units)
NC4 (units)

300
300
300
300
300

MD: 16,131'
TVD: 11,228.24'
Inclination: 89.14°
Azimuth: 178.84°
VS: 5,008.12'

NOTE SCALE CHANGE

GAS (units)
550

NOTE SCALE CHANGE

GAS (units)
Wellness (Wh)
Balance (Bh)

550
100
15

C1 (units)
C2 (units)
C3 (units)
IC4 (units)
NC4 (units)

400
400
400
400
400

MD: 16,225'
TVD: 11,228.93'
Inclination: 90.02°
Azimuth: 178.51°
VS: 5,101.99'

CG: 309u

CG: 350u

C1 (units)
C2 (units)
C3 (units)
IC4 (units)
NC4 (units)

400
400
400
400
400

C1 (units)
C2 (units)
C3 (units)
IC4 (units)
NC4 (units)

400
400
400
400
400

MWi: 9.5
MWo: 9.5

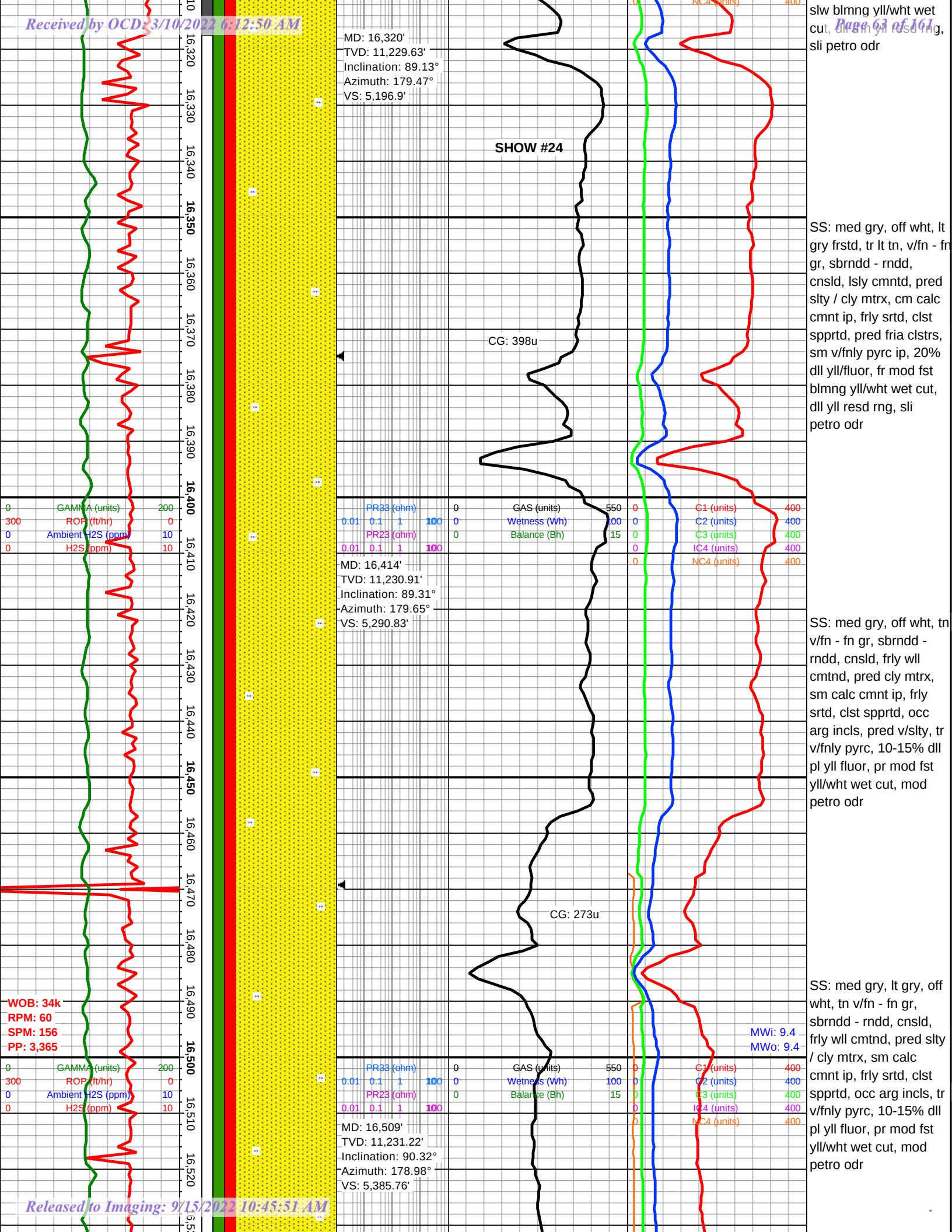
MWi: 9.5
MWo: 9.5

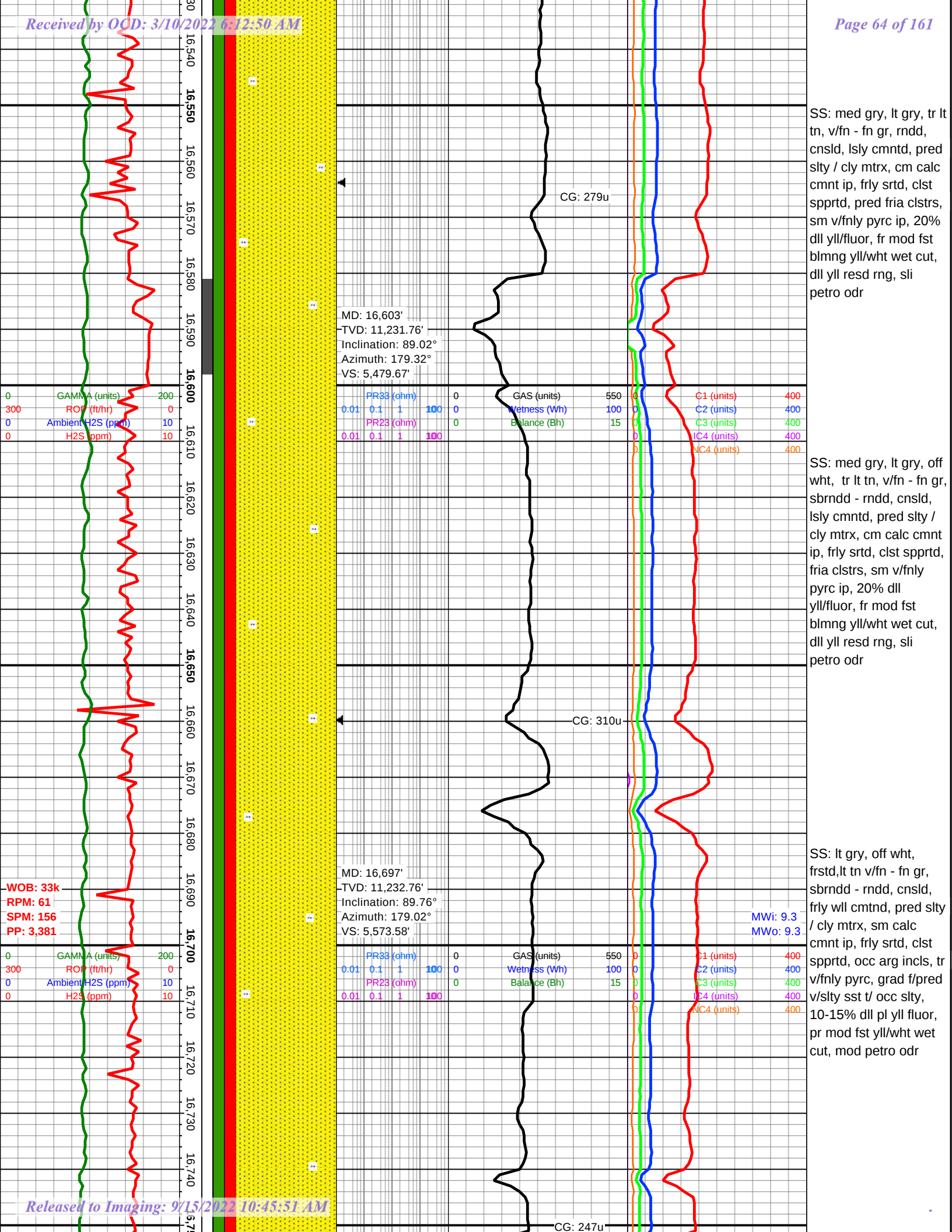
SS: lt gry, lt tn, frstd, tr l
tn, v/fn in gr, sbrnnd -
rnnd, cnsld, lsly
cmntd, pred slty / cly
mtrx, cm calc cmnt ip,
frly srtd, clst spprtd,
pred fria clstrs, sm
v/fnly pyrc ip, 10-15%
dll yll fluor, pr slw difse
- blmng yll/wht wet cut,
sli petro odr

SS: lt gry, off wht, tn
v/fn - fn gr, sbrnnd -
rnnd, cnsld, frly wll
cmntd, pred cly mtrx,
sm calc cmnt ip, frly
srtd, clst spprtd, occ
arg incls, pred v/slty, tr
v/fnly pyrc, 10-15% dll
pl yll fluor, pr mod fst
yll/wht wet cut, mod
petro odr

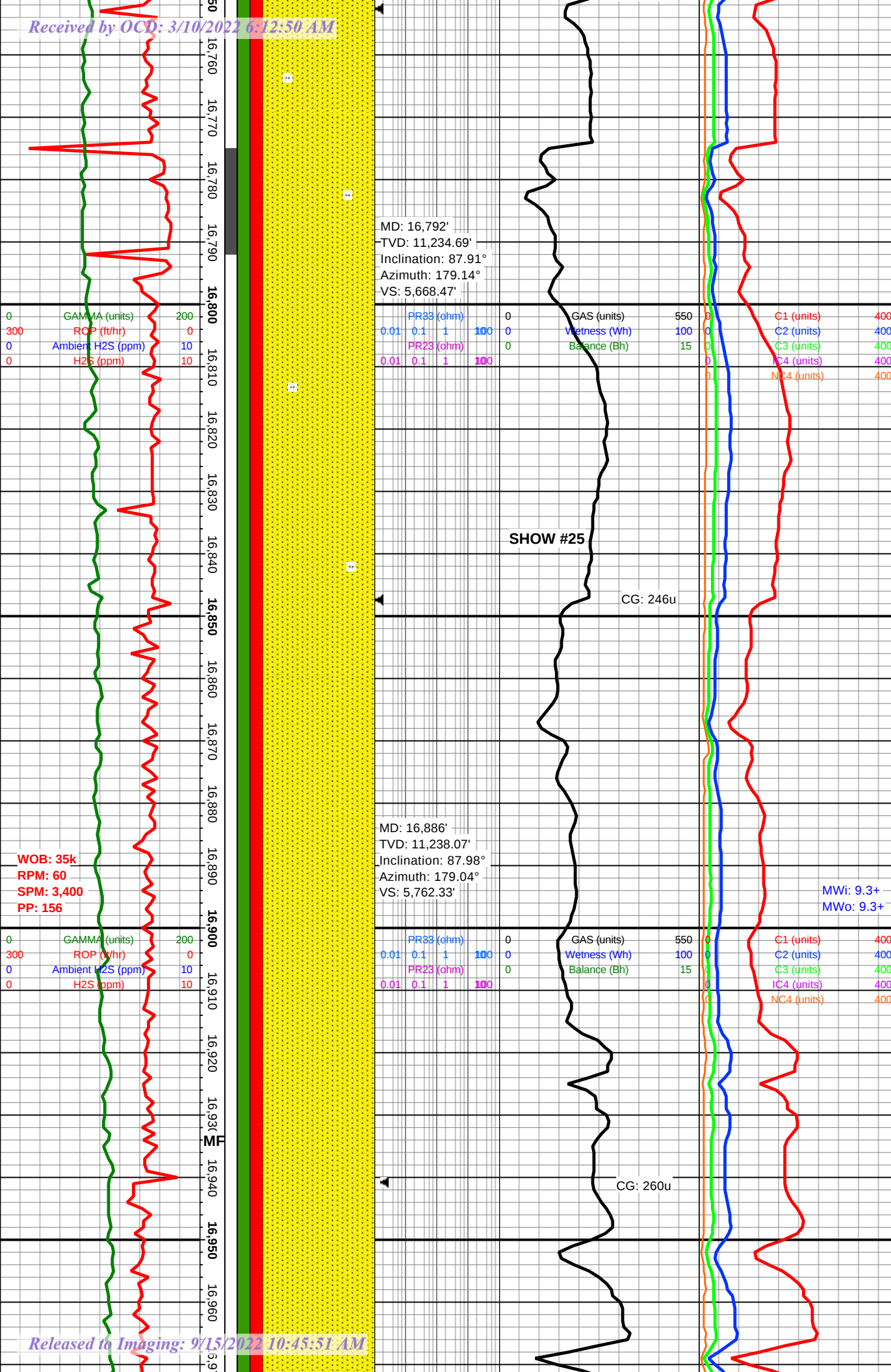
SS: med gry, lt gry, off
whit, tn v/fn - fn gr,
sbrnnd - rnnd, cnsld,
frly wll cmntd, pred slty
/ cly mtrx, sm calc
cmnt ip, frly srtd, clst
spprtd, occ arg incls, tr
v/fnly pyrc, 20% dll pl
yll fluor, pr mod fst
yll/wht wet cut, mod
petro odr

SS: med gry, off wht, lt
gry frstd, tr lt tn, v/fn - fn
gr, sbrnnd - rnnd,
cnsld, lsly cmntd, pred
slty / cly mtrx, cm calc
cmnt ip, frly srtd, clst
spprtd, pred fria clstrs,
sm v/fnly pyrc ip,
tr-10% dll yll/fluor, pr





SS: med gry, off wht, lt gry
gr, sbrnnd - rndd, cnsld, lsly cmntd, pred slty / cly mtrx, cm calc cmnt ip, frly srted, clst spprted, pred fria clstrs, sm v/fnly pyrc ip, tr-10% dll yll/fluor, pr slw blmng yll/wht wet cut, dll thn yll resd rng, sli petro odr



SS: med gry, lt gry, off wht, tr lt tn, v/fn - fn gr, sbrnnd - rndd, cnsld, lsly cmntd, pred slty / cly mtrx, cm calc cmnt ip, frly srted, clst spprted, fria clstrs, sm v/fnly pyrc ip, 20% dll yll/fluor, fr mod fst blmng yll/wht wet cut, dll yll resd rng, sli petro odr

SS: lt gry, off wht, frstd, lt tn v/fn - fn gr, sbrnnd - rndd, cnsld, frly wll cmntd, pred slty / cly mtrx, sm calc cmnt ip, frly srted, clst spprted, occ arg incls, tr v/fnly pyrc, grad f/pred v/slty sst t/ occ slty, 10-15% dll pl yll fluor, pr mod fst yll/wht wet cut, mod petro odr

Drilling on 1 pump @
17,002' md

0	GAMMA (units)	200
300	ROP (ft/hr)	0
0	Ambient H ₂ S (ppm)	10
0	H ₂ S (ppm)	10

MD: 16,981'
TVD: 11,240.67'
Inclination: 88.88°
Azimuth: 178.61°
VS: 5,857.18'

PR33 (ohm)	0
0.01 0.1 1 100	0
PR23 (ohm)	0
0.01 0.1 1 100	0

GAS (units)	550
Wetness (Wh)	100
Balance (Bh)	15

C1 (units)	400
C2 (units)	400
C3 (units)	400
IC4 (units)	400
IC4 (units)	400

SS: med gry, off wht, lt gry frstd, tr lt tn, v/fn - fn gr, sbrnnd - rndd, cnsld, lsly cmntd, pred slty / cly mtrx, cm calc cmnt ip, frly srtd, clst spprtd, pred fria clstrs, sm v/fnly pyrc ip, tr-10% dll yll/fluor, pr slw blmng yll/wht wet cut, dll thn yll resd rng, sli petro odr

CG: 251u

MD: 17,075'
TVD: 11,243.13'
Inclination: 88.11°
Azimuth: 179.96°
VS: 5,951.08'

PR33 (ohm)	0
0.01 0.1 1 100	0
PR23 (ohm)	0
0.01 0.1 1 100	0

GAS (units)	550
Wetness (Wh)	100
Balance (Bh)	15

C1 (units)	400
C2 (units)	400
C3 (units)	400
IC4 (units)	400
NC4 (units)	400

MWi: 9.3+
MWo: 9.3+

SS: med gry, lt gry, off wht, tr lt tn, v/fn - fn gr, sbrnnd - rndd, cnsld, lsly cmntd, pred slty / cly mtrx, cm calc cmnt ip, frly srtd, clst spprtd, fria clstrs, sm v/fnly pyrc ip, 20% dll yll/fluor, fr mod fst blmng yll/wht wet cut, dll yll resd rng, sli petro odr

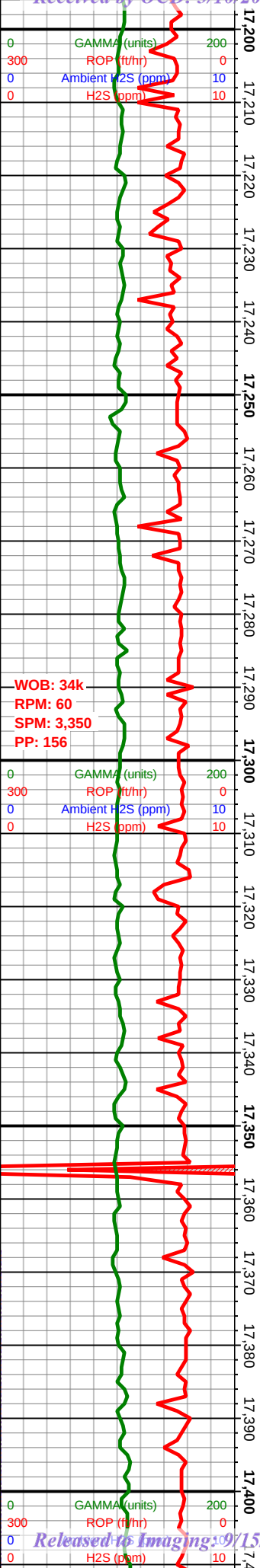
CG: 224u

Drilling on 2 pumps @
17,139' md

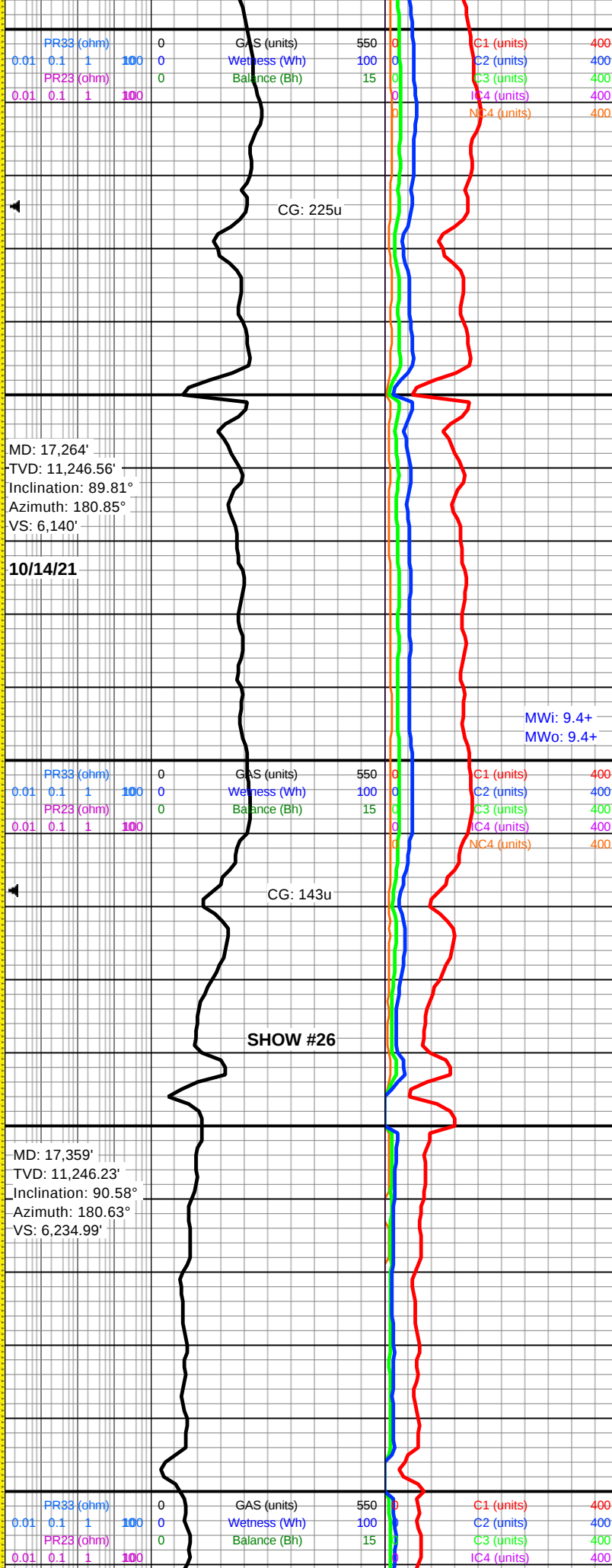
0	GAMMA (units)	200
300	ROP (ft/hr)	0
0	Ambient H ₂ S (ppm)	10
0	H ₂ S (ppm)	10

MD: 17,170'
TVD: 11,245.55'
Inclination: 88.96°
Azimuth: 180.49°
VS: 6,046.02'

SS: lt gry, off wht, frstd, lt tn v/fn - fn gr, sbrnnd - rndd, cnsld, frly wll cmntd, pred slty / cly mtrx, sm calc cmnt ip, frly srtd, clst spprtd, occ arg incls, tr v/fnly pyrc, grad f/pred v/slty sst t/ occ slty, 10-15% dll pl yll fluor, pr mod fst yll/wht wet cut, mod petro odr



MINDEPTH



SS: med gry, off wht, lt gry frstd, tr lt tn, v/fn - fn gr, sbrnnd - rndd, cnslld, lsly cmntd, pred slty / cly mtrx, cm calc cmnt ip, frly srted, clst spprted, pred fria clstrs, sm v/fnly pyrc ip, tr-10% dll yll/fluor, pr slw blmng yll/wht wet cut, dll thn yll resd rng, sli petro odr

SS: med gry, lt gry, off wht, tr lt tn, v/fn - fn gr, sbrnnd - rndd, cnslld, lsly cmntd, pred slty / cly mtrx, cm calc cmnt ip, frly srted, clst spprted, fria clstrs, sm v/fnly pyrc ip, 20% dll yll/fluor, fr mod fst blmng yll/wht wet cut, dll yll resd rng, sli petro odr

SS: lt gry, off wht, frstd, lt tn v/fn - fn gr, sbrnnd - rndd, cnslld, frly wll cmntd, pred slty / cly mtrx, sm calc cmnt ip, frly srted, clst spprted, occ arg incls, tr v/fnly pyrc, grad f/pred v/slty sst t/ occ slty, 10-15% dll pl yll fluor, pr mod fst yll/wht wet cut, mod petro odr

SS: med gry, off wht, tr lt tn, v/fn - fn gr, sbrnnd

CG: 78u

NC4 (units)

- rndd, cnsld, lsly
cmnt ip, frly srted, clst spprtd,
pred fria clstrs, sm
v/fnly pyrc ip, tr-10% dll
yll/fluor, pr slw blmng
yll/wht wet cut, dll thn
yll resd rng, sli petro
odr

MD: 17,453'
TVD: 11,246.52'
Inclination: 89.07°
Azimuth: 180.68°
VS: 6,328.98'

SS: lt gry, off wht, wht,
frstd,lt tn v/fn - fn gr,
sbrnnd - rndd, cnsld,
frly wll cmntnd, pred slty
/ cly mtrx, sm calc
cmnt ip, frly srted, clst
spprtd, occ arg incls, tr
v/fnly pyrc, grad f/pred
v/slty sst t/ occ slty, tr
scctrd dll pl yll fluor, pr
mod fst yll/wht dfise
wet cut, mod petro odr

WOB: 34k
RPM: 60
SPM: 156
PP: 3,560

MWi: 9.4
MWo: 9.4

GAMMA (units) 200
ROP (w/hr) 0
Ambient H2S (ppm) 10
H2S (ppm) 10

PR33 (ohm) 0
0.01 0.1 1 100 0
PR23 (ohm) 0
0.01 0.1 1 100 0

GAS (units) 550
Wetness (Wh) 100
Balance (Bh) 15

C1 (units) 400
C2 (units) 400
C3 (units) 400
C4 (units) 400
NC4 (units) 400

RIG SERVICE

CG: 82u

MD: 17,548'
TVD: 11,247.6'
Inclination: 89.65°
Azimuth: 180.31°
VS: 6,423.95'

SS: lt gry, off wht,
frstd,lt tn v/fn - fn gr,
sbrnnd - rndd, cnsld,
frly wll cmntnd, pred slty
/ cly mtrx, sm calc
cmnt ip, frly srted, clst
spprtd, occ arg incls, tr
v/fnly pyrc, grad f/pred
v/slty sst t/ occ slty,
10-15% dll pl yll fluor,
pr mod fst yll/wht wet
cut, mod petro odr

GAMMA (units) 200
ROP (w/hr) 0
Ambient H2S (ppm) 10
H2S (ppm) 10

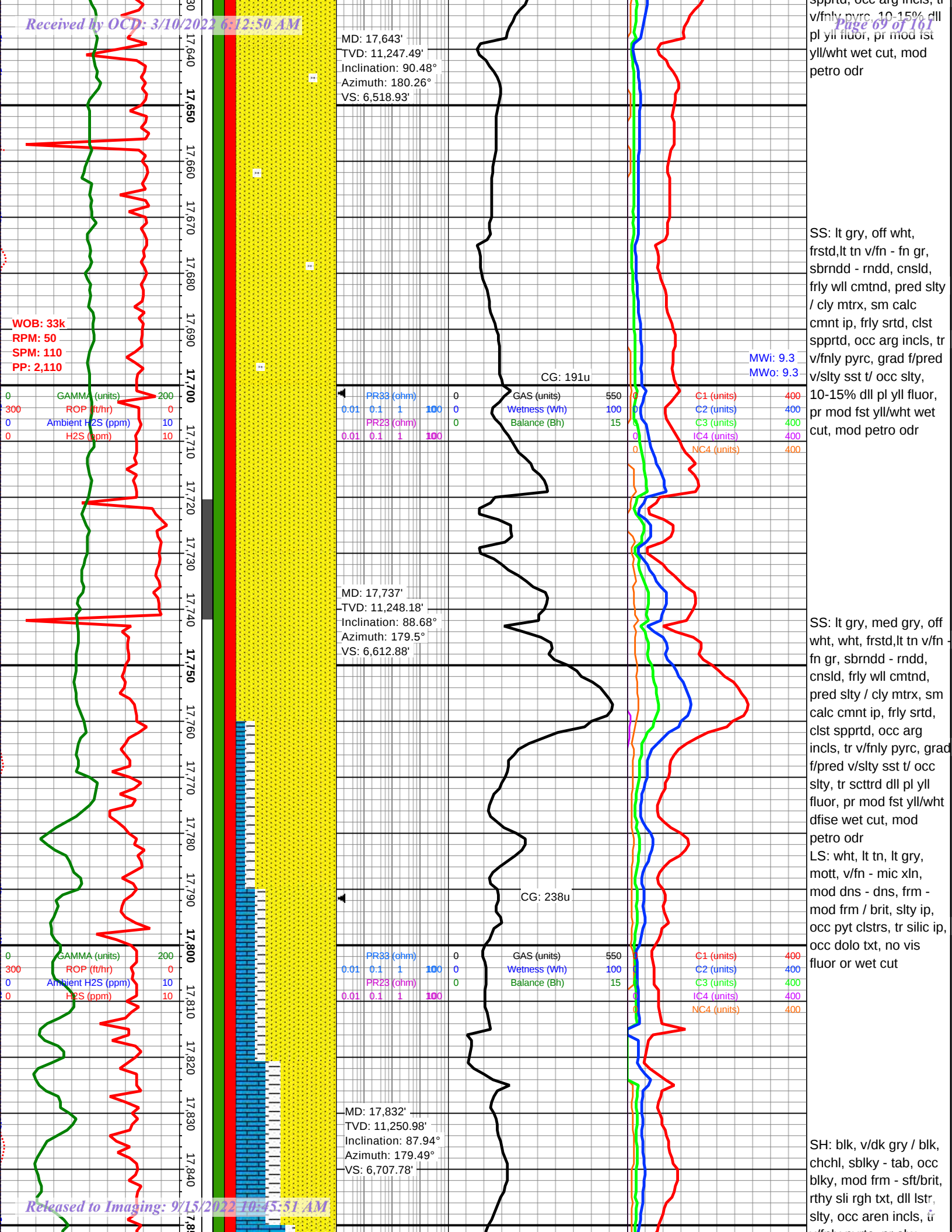
PR33 (ohm) 0
0.01 0.1 1 100 0
PR23 (ohm) 0
0.01 0.1 1 100 0

GAS (units) 550
Wetness (Wh) 100
Balance (Bh) 15

C1 (units) 400
C2 (units) 400
C3 (units) 400
C4 (units) 400
NC4 (units) 400

CG: 289u

SS: med gry, lt gry, off
wht, tn v/fn - fn gr,
sbrnnd - rndd, cnsld,
frly wll cmntnd, pred slty
/ cly mtrx, sm calc
cmnt ip, frly srted, clst
spprtd, occ arg incls, tr



MD: 17,643'
TVD: 11,247.49'
Inclination: 90.48°
Azimuth: 180.26°
VS: 6,518.93'

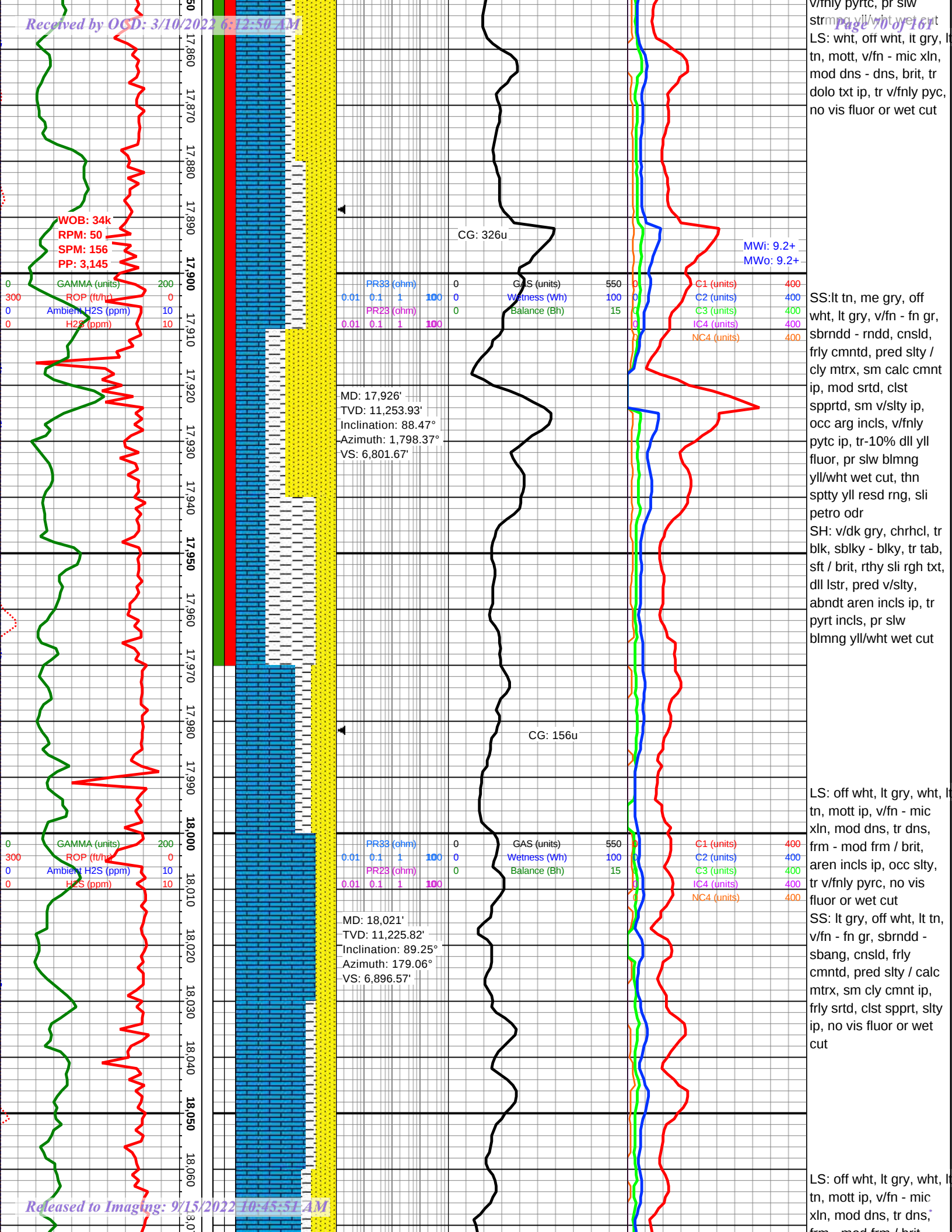
SS: It gry, off wht, frstd, lt tn v/fn - fn gr, sbrndd - rndd, cnsl, frly wll cmntd, pred slty / cly mtrx, sm calc cmnt ip, frly srt, clst spprt, occ arg incl, tr v/fnly pyrc, grad f/pred v/slty sst t/ occ slty, 10-15% dll pl yll fluor, pr mod fst yll/wht wet cut, mod petro odr

MD: 17,737'
TVD: 11,248.18'
Inclination: 88.68°
Azimuth: 179.5°
VS: 6,612.88'

SS: It gry, med gry, off wht, wht, frstd, lt tn v/fn - fn gr, sbrndd - rndd, cnsl, frly wll cmntd, pred slty / cly mtrx, sm calc cmnt ip, frly srt, clst spprt, occ arg incl, tr v/fnly pyrc, grad f/pred v/slty sst t/ occ slty, tr scttrd dll pl yll fluor, pr mod fst yll/wht dfise wet cut, mod petro odr
LS: wht, lt tn, lt gry, mott, v/fn - mic xln, mod dns - dns, frm - mod frm / brit, slty ip, occ pyt clstrs, tr silic ip, occ dolo txt, no vis fluor or wet cut

MD: 17,832'
TVD: 11,250.98'
Inclination: 87.94°
Azimuth: 179.49°
VS: 6,707.78'

SH: blk, v/dk gry / blk, chchl, sbkly - tab, occ blkly, mod frm - sft/brit, rthy sli rgh txt, dll lstr, slty, occ aren incl, tr



WOB: 52k
RPM: 1-37
SPM: 156
PP: 3,140

MWi: 9.3+
MWO: 9.3+

GAMMA (units) 0 200
ROP (ft/hr) 300 0
Ambient H2S (ppm) 0 10
H2S (ppm) 0 10

PR33 (ohm) 0 100
0.01 0.1 1 100 0
PR23 (ohm) 0 100
0.01 0.1 1 100 0

GAS (units) 550 0
Wetness (Wh) 100 0
Balance (Bh) 15 0

C1 (units) 400
C2 (units) 400
C3 (units) 400
IC4 (units) 400
NC4 (units) 400

MD: 18,115'
TVD: 11,258.19'
Inclination: 87.86°
Azimuth: 178.73°
VS: 6,990.44'

CG: 71u

GAMMA (units) 0 200
ROP (ft/hr) 300 0
Ambient H2S (ppm) 0 10
H2S (ppm) 0 10

PR33 (ohm) 0 100
0.01 0.1 1 100 0
PR23 (ohm) 0 100
0.01 0.1 1 100 0

GAS (units) 550 0
Wetness (Wh) 100 0
Balance (Bh) 15 0

C1 (units) 400
C2 (units) 400
C3 (units) 400
IC4 (units) 400
NC4 (units) 400

MD: 18,210'
TVD: 11,261.08'
Inclination: 88.65°
Azimuth: 178.49°
VS: 7,085.27'

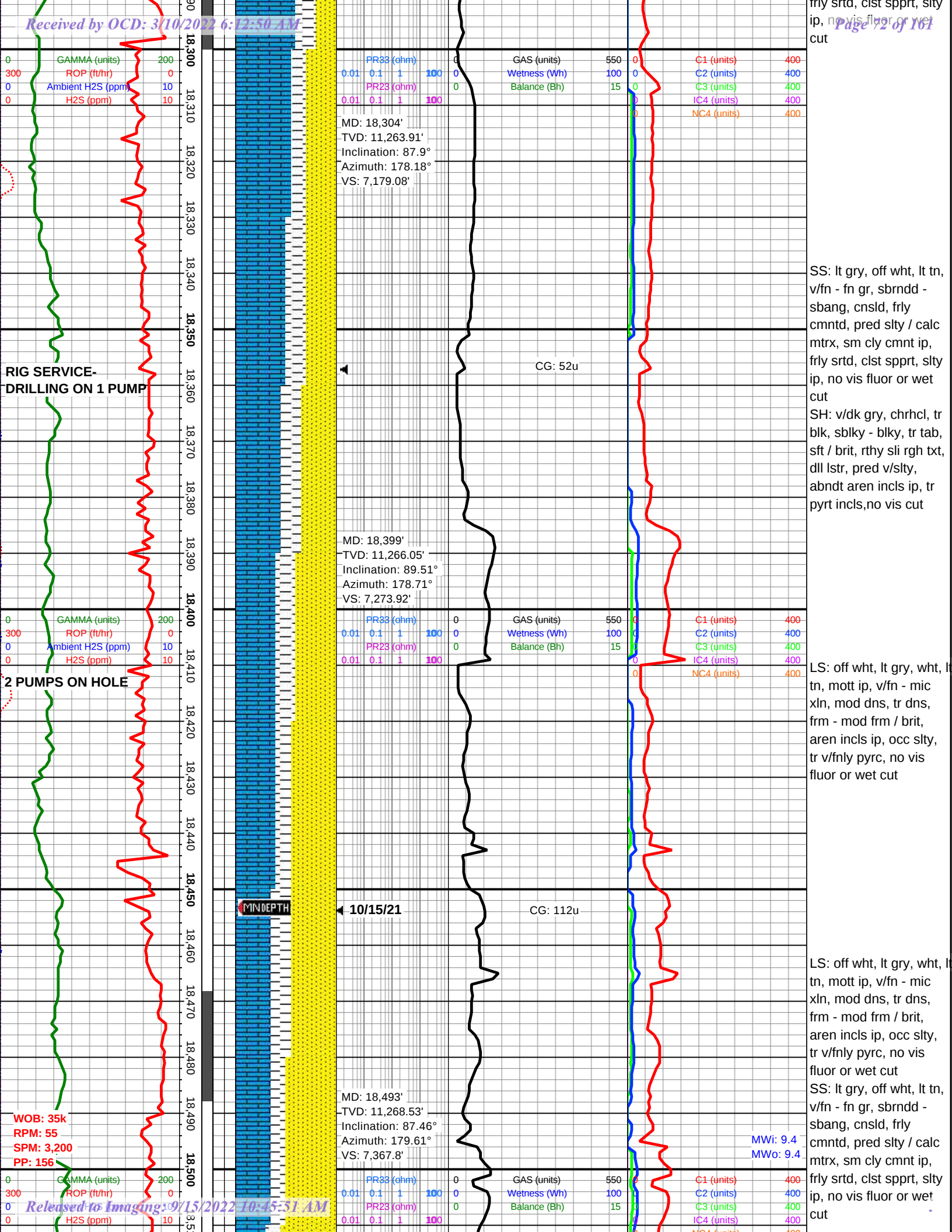
CG: 50u

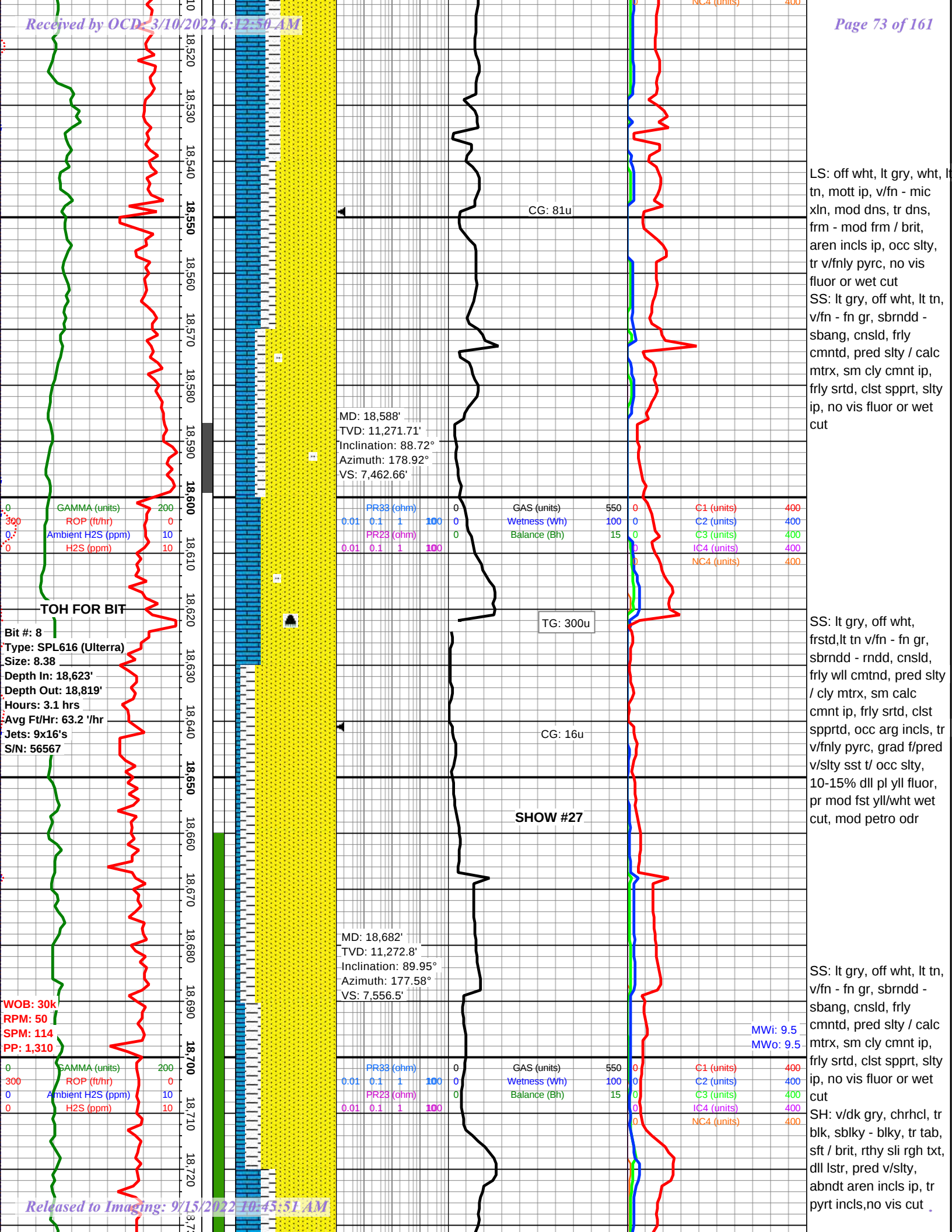
frn - mod frn / brit,
aren incls ip, occ slty,
tr v/fnly pyrc, no vis
fluor or wet cut

SS: lt gry, off wht, lt tn,
v/fn - fn gr, sbrndd -
sbang, cnslld, frly
cmntd, pred slty / calc
mtrx, sm cly cmnt ip,
frly srted, clst spprt, slty
ip, no vis fluor or wet
cut
SH: v/dk gry, chrhcl, tr
blk, sbkly - blkly, tr tab,
sft / brit, rthy sli rgh txt,
dll lstr, pred v/slty,
abndt aren incls ip, tr
pyrt incls, no vis cut

LS: off wht, lt gry, wht, lt
tn, mott ip, v/fn - mic
xln, mod dns, tr dns,
frn - mod frn / brit,
aren incls ip, occ slty,
tr v/fnly pyrc, no vis
fluor or wet cut

LS: off wht, lt gry, wht, lt
tn, mott ip, v/fn - mic
xln, mod dns, tr dns,
frn - mod frn / brit,
aren incls ip, occ slty,
tr v/fnly pyrc, no vis
fluor or wet cut
SS: lt gry, off wht, lt tn,
v/fn - fn gr, sbrndd -
sbang, cnslld, frly
cmntd, pred slty / calc
mtrx, sm cly cmnt ip,







**TALLY**

DRILLING SERVICES

Talon 5-8 State Fed 1H**Caza
Petroleum****MD 5" = 100ft**

Operator:	Caza Operating LLC	Country:	USA
Well Name:	Talon 5-8 State Fed 1H	State:	New Mexico
API #:	30-025-47457	County:	Lea
Field:	Lea County, NM	Location:	
Latitude:	32° 36' 32.78" N	Elev. GL:	3,693.00 ft
Longitude:	103° 28' 32.26" W	Elev. DF:	23.00 ft
Datum:	North American Datum 1983	Elev. KB:	3,716.00 ft
Map Zone:	New Mexico Eastern Zone	VS Azimuth:	181.54°
Total Correction:	5.87°	Start Date:	Oct 01 2021 00:00
Grid Convergence:	0.46°	End Date:	
Rig:	Citadel #4	Operator 1:	Kelvin Noble
Job Number:	M21307	Operator 2:	Wesley Hooper
Notes:			

Hole Data			Casing Data		
Size	From	To	Size	From	To
Tool Run Data	Run 1	Run 2	Run 3	Run 4	Run 5
Serial Number	ELP-0494	ELP-0604	ELP-0604	ELP-0604	ELP-0494
Bit Size	8.75	8.75	8.75	8.75	8.75
Calibration Factor	2.79	2.79	2.79	2.79	2.90
Start Depth	5,535.00	10,650.00	10,683.00	11,134.00	15,435.00
Start Date	Oct 01 2021	Oct 05 2021	Oct 06 2021	Oct 07 2021	Oct 12 2021
Start Time	05:07	22:10	14:30	14:30	06:48
End Depth	10,650.00	10,683.00	11,134.00	15,435.00	18,623.00
End Date	Oct 05 2021	Oct 06 2021	Oct 07 2021	Oct 12 2021	Oct 15 2021
End Time	20:20	14:30	14:30	04:30	16:00
Mud Type	Brine	Brine	Brine	Brine	Brine
Mud Weight	9.4	9.4	9.4	9.4	9.5
Funnel Viscosity	34	34	34	35	33
Plastic Viscosity	5	5	4	6	6
Yield Point	3	3	3	8	6
Solids Content	4.96	6	6	8	7.5
Sand Content	0	N/A	0	0	0
Chlorides	23000	23000	24,000	24000	23000
Max. Temperature	133.6	133.6	133.6	181	168.9
Survey Offset	57.00	51.00	51.00	54.00	52.00
Gamma Offset	56.00	50.00	50.00	53.00	51.00
Tool Run Data	Run 6	Run 7	Run 8	Run 9	Run 10
Serial Number	ELP-0494				
Bit Size	8.75				
Calibration Factor	2.90				
Start Depth	18,623.00				
Start Date	Oct 15 2021				
Start Time	16:30				
End Depth					
End Date					
End Time					
Mud Type	Brine				
Mud Weight	9.4				

Yield Point				
Solids Content				
Sand Content				
Chlorides				
Max. Temperature				
Survey Offset	52.00			
Gamma Offset	51.00			



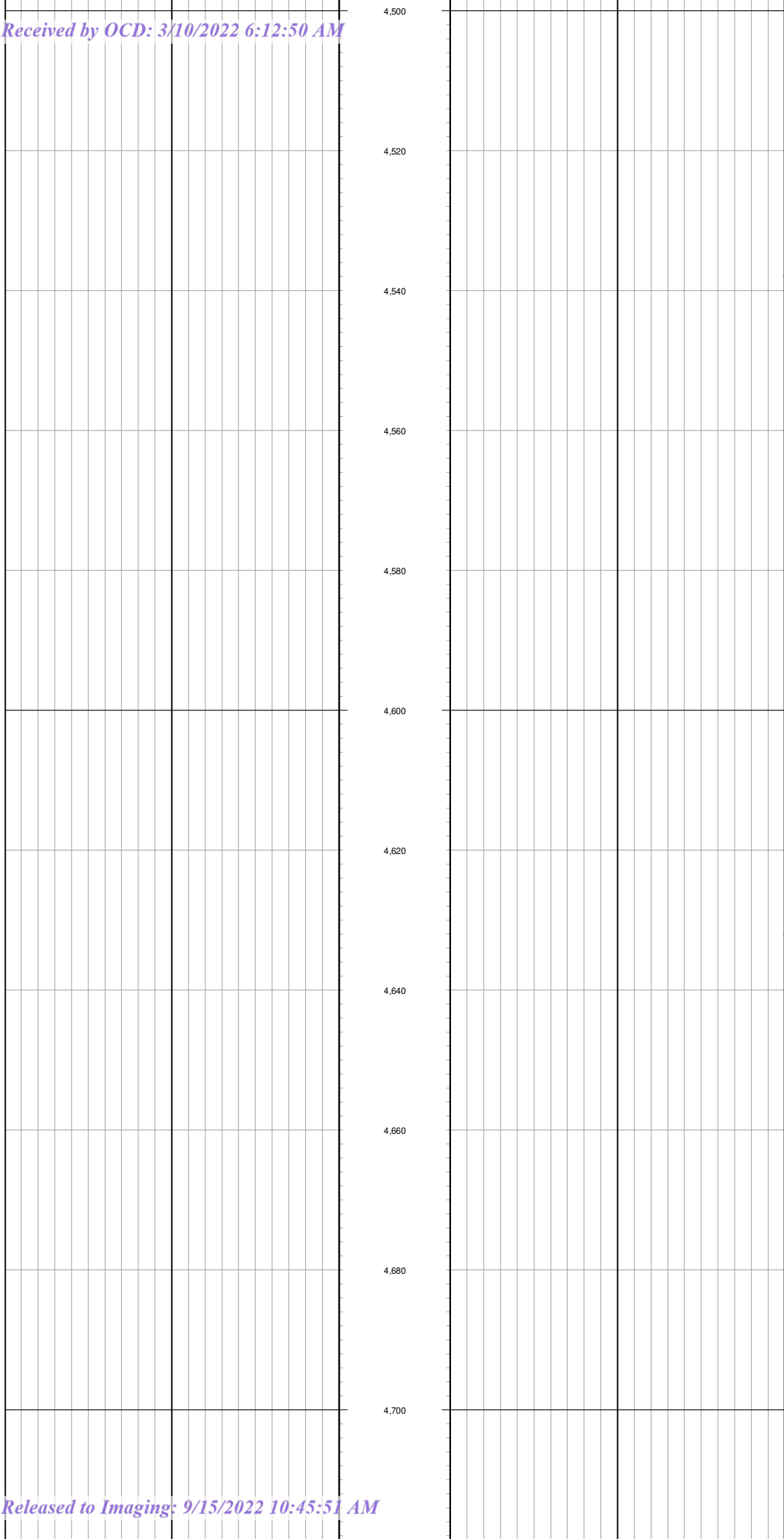
TALLY

DRILLING SERVICES

5611 Baird Ct
Houston, TX 77060

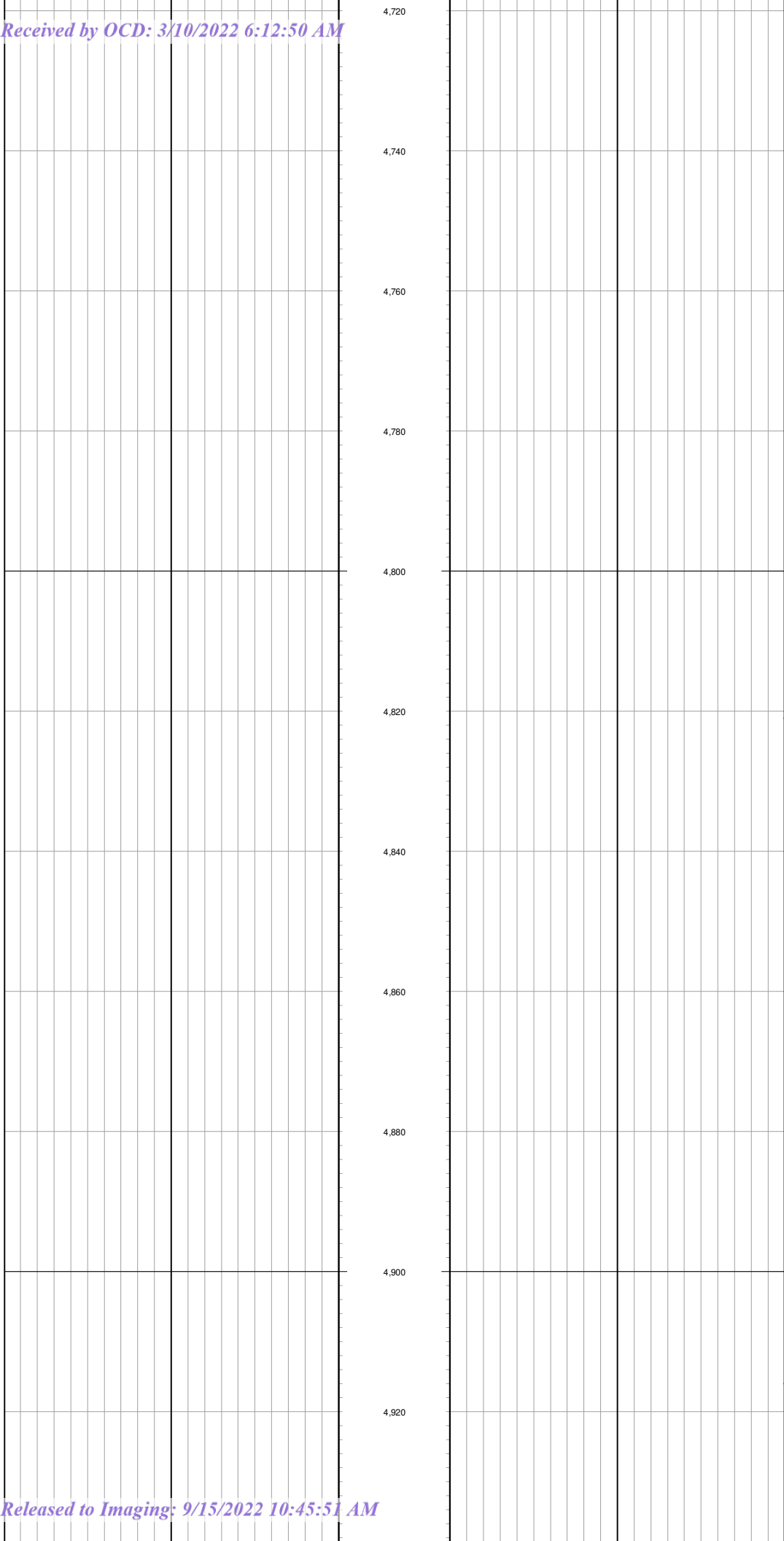
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation. We shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost damages or expenses incurred or sustained by anyone resulting from an interpretation made by any of our officers, agents, or employees.

Gamma Ray (TVD)		MD (ft)	Gamma Ray (MD)		Surveys
0200GR (api)GR (api)200400			0200GR (api)GR (api)200400ROP (ft/hr)250		
		4,360			
		4,380			
		4,400			
		4,420			
		4,440			MD: 4,443.0 INC: 2.0 AZ: 284.8 TVD: 4,438.4 VS: -70.2
		4,460			
		4,480			



MD: 4,538.0 INC: 2.0 AZ: 285.0 TVD: 4,533.4 VS: -70.9

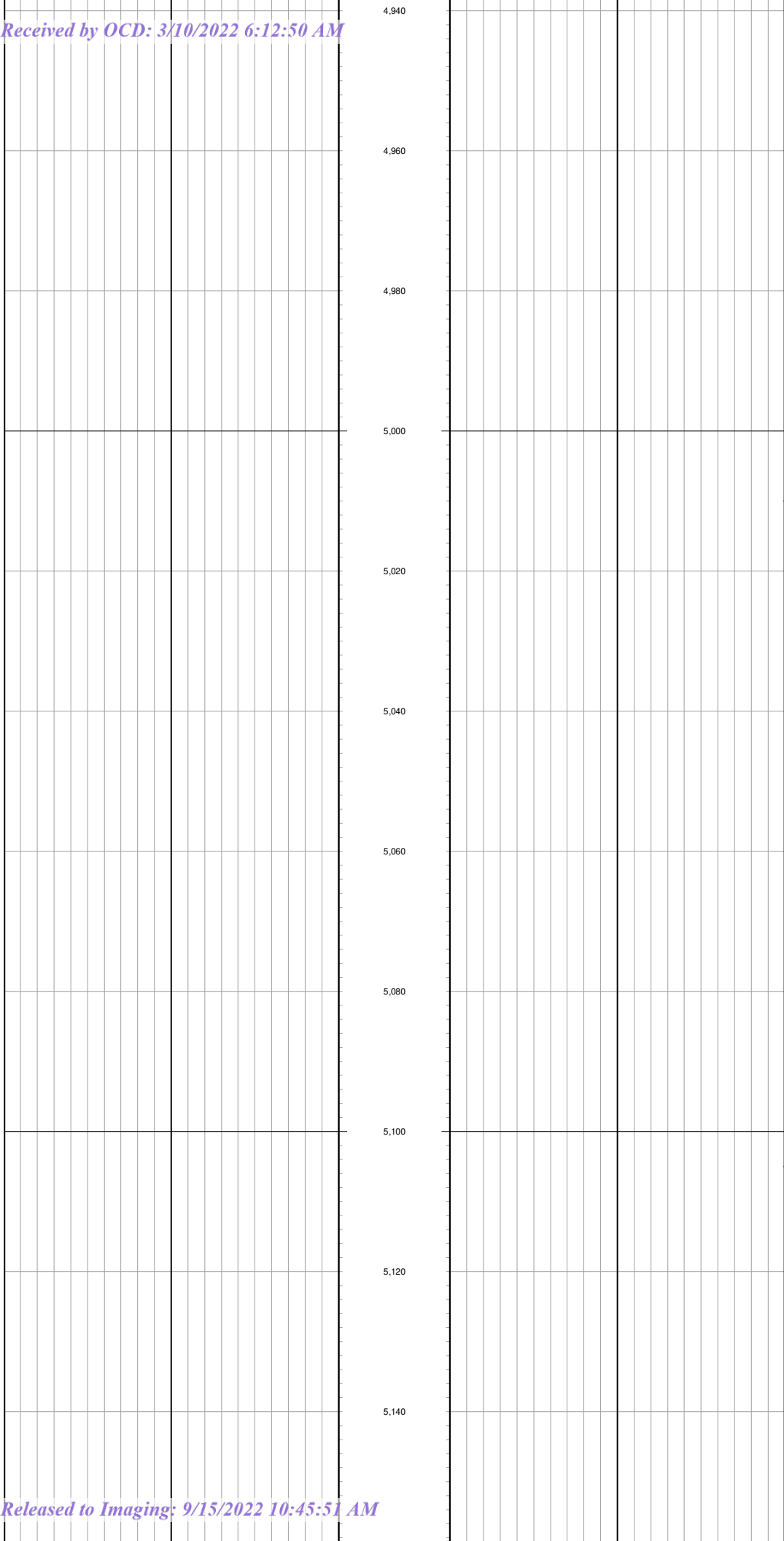
MD: 4,632.0 INC: 1.9 AZ: 285.5 TVD: 4,627.3 VS: -71.7



4,720
4,740
4,760
4,780
4,800
4,820
4,840
4,860
4,880
4,900
4,920

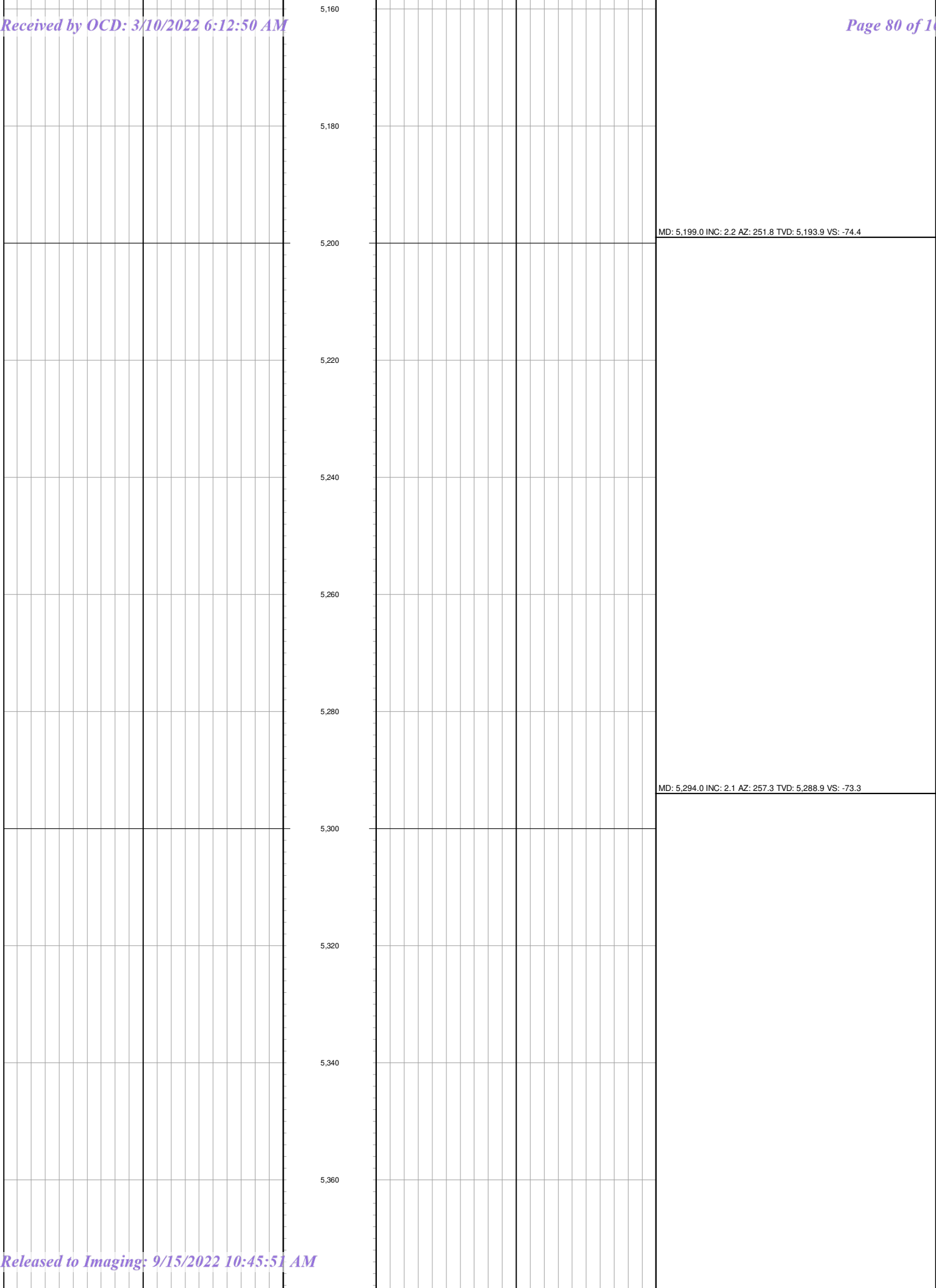
MD: 4,821.0 INC: 2.1 AZ: 293.0 TVD: 4,816.2 VS: -73.7

MD: 4,916.0 INC: 2.2 AZ: 289.7 TVD: 4,911.1 VS: -74.9



MD: 5,010.0 INC: 2.1 AZ: 279.2 TVD: 5,005.0 VS: -75.7

MD: 5,105.0 INC: 1.9 AZ: 254.2 TVD: 5,100.0 VS: -75.5



MD: 5,388.0 INC: 2.2 AZ: 250.6 TVD: 5,382.8 VS: -72.3

MD: 5,464.0 INC: 2.4 AZ: 251.3 TVD: 5,458.7 VS: -71.2

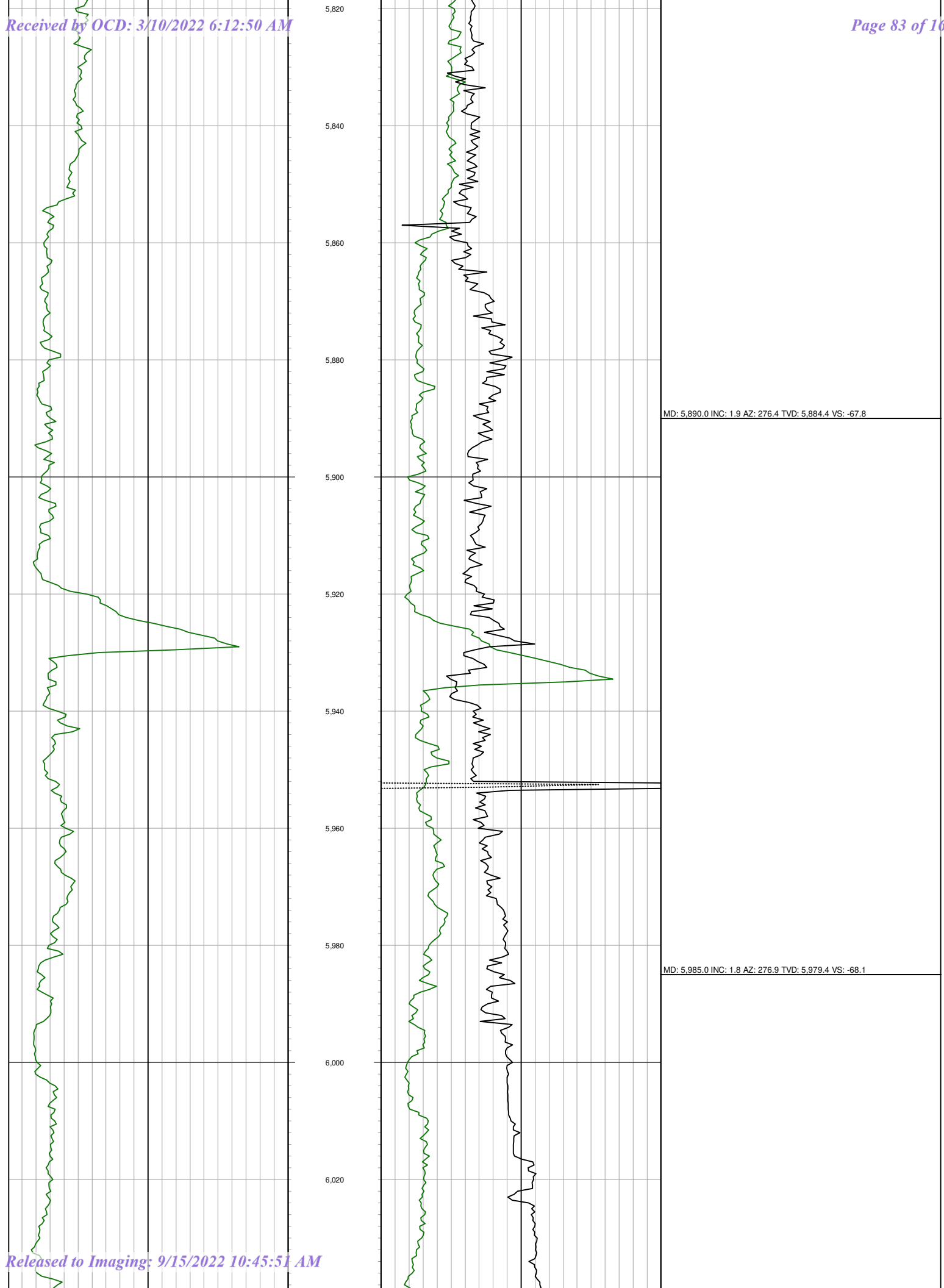
MD: 5,555.0 INC: 2.2 AZ: 254.1 TVD: 5,549.7 VS: -70.0

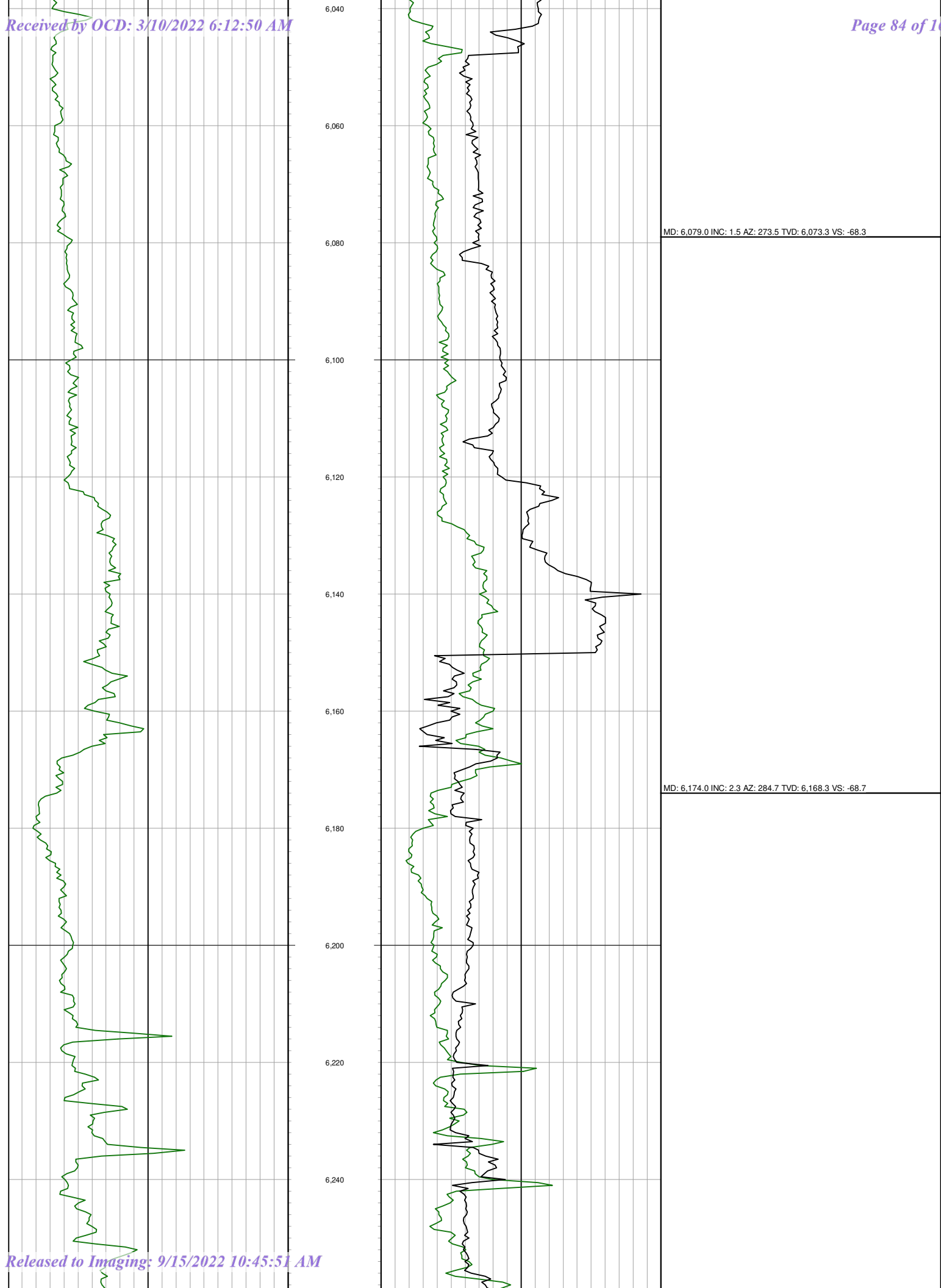
MD: 5,607.0 INC: 2.3 AZ: 250.1 TVD: 5,601.6 VS: -69.3

5,600
5,620
5,640
5,660
5,680
5,700
5,720
5,740
5,760
5,780
5,800

MD: 5,701.0 INC: 2.1 AZ: 251.6 TVD: 5,695.5 VS: -68.0

MD: 5,796.0 INC: 2.0 AZ: 276.0 TVD: 5,790.5 VS: -67.5

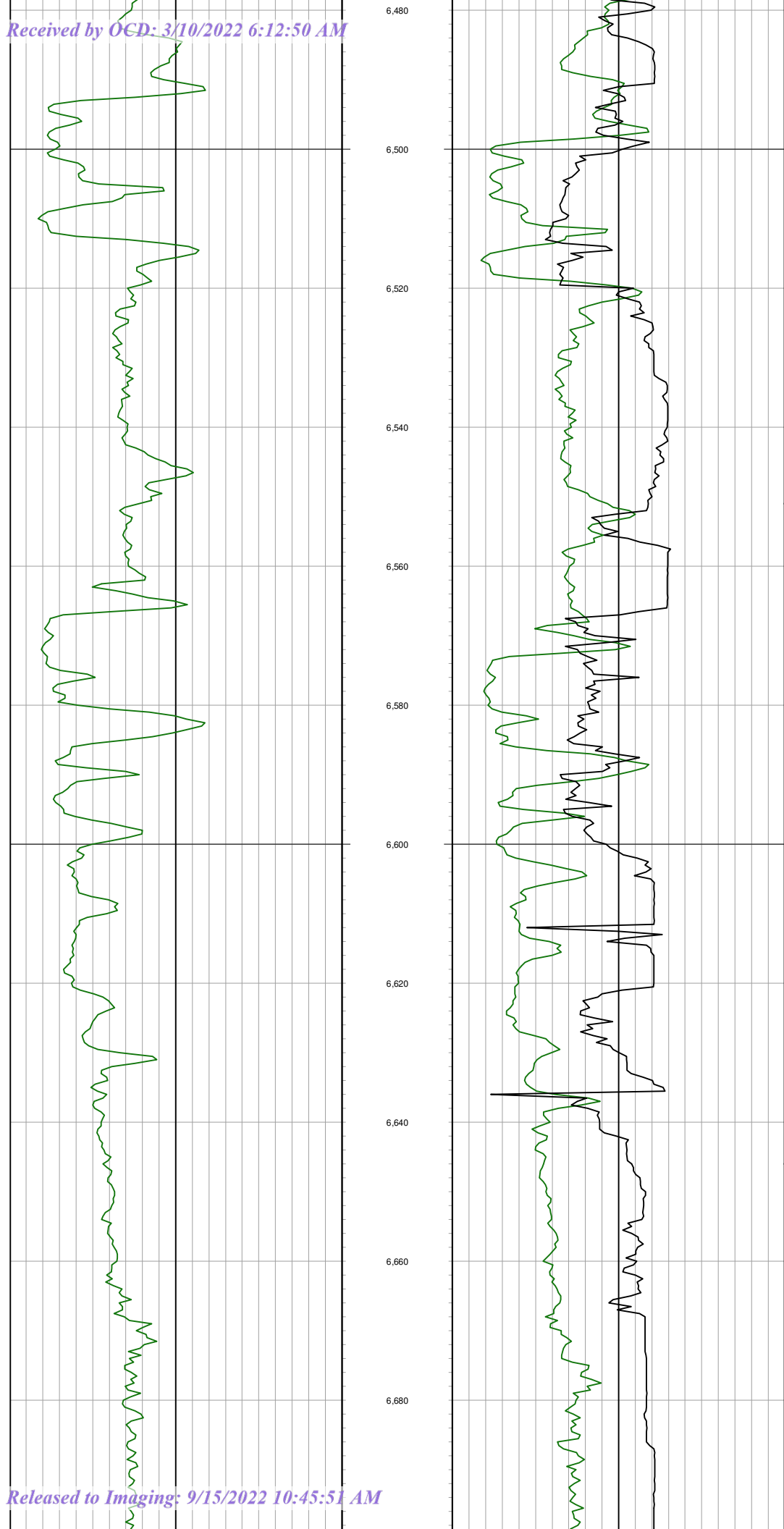




MD: 6,268.0 INC: 2.3 AZ: 282.3 TVD: 6,262.2 VS: -69.5

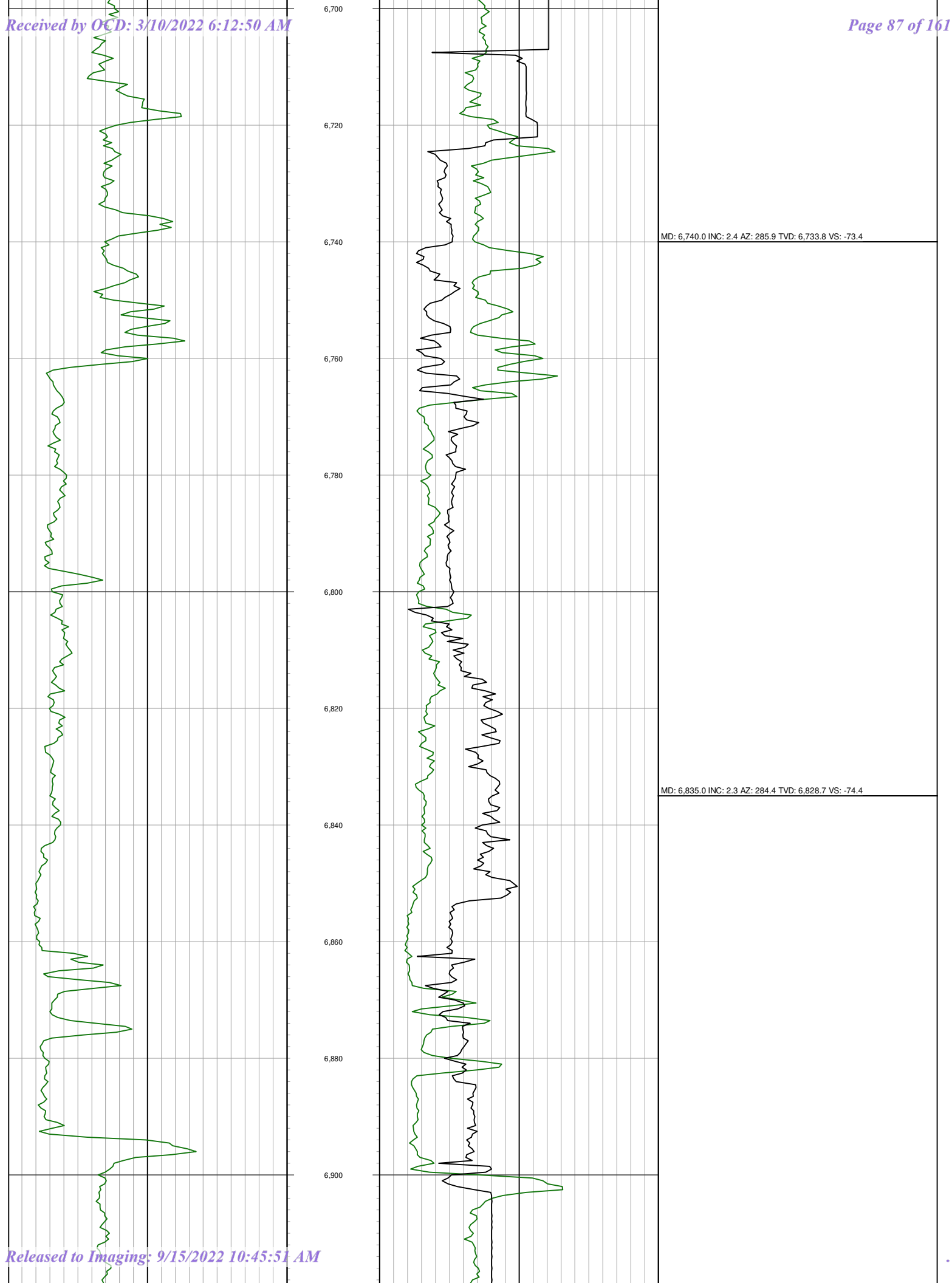
MD: 6,363.0 INC: 1.8 AZ: 279.3 TVD: 6,357.2 VS: -70.1

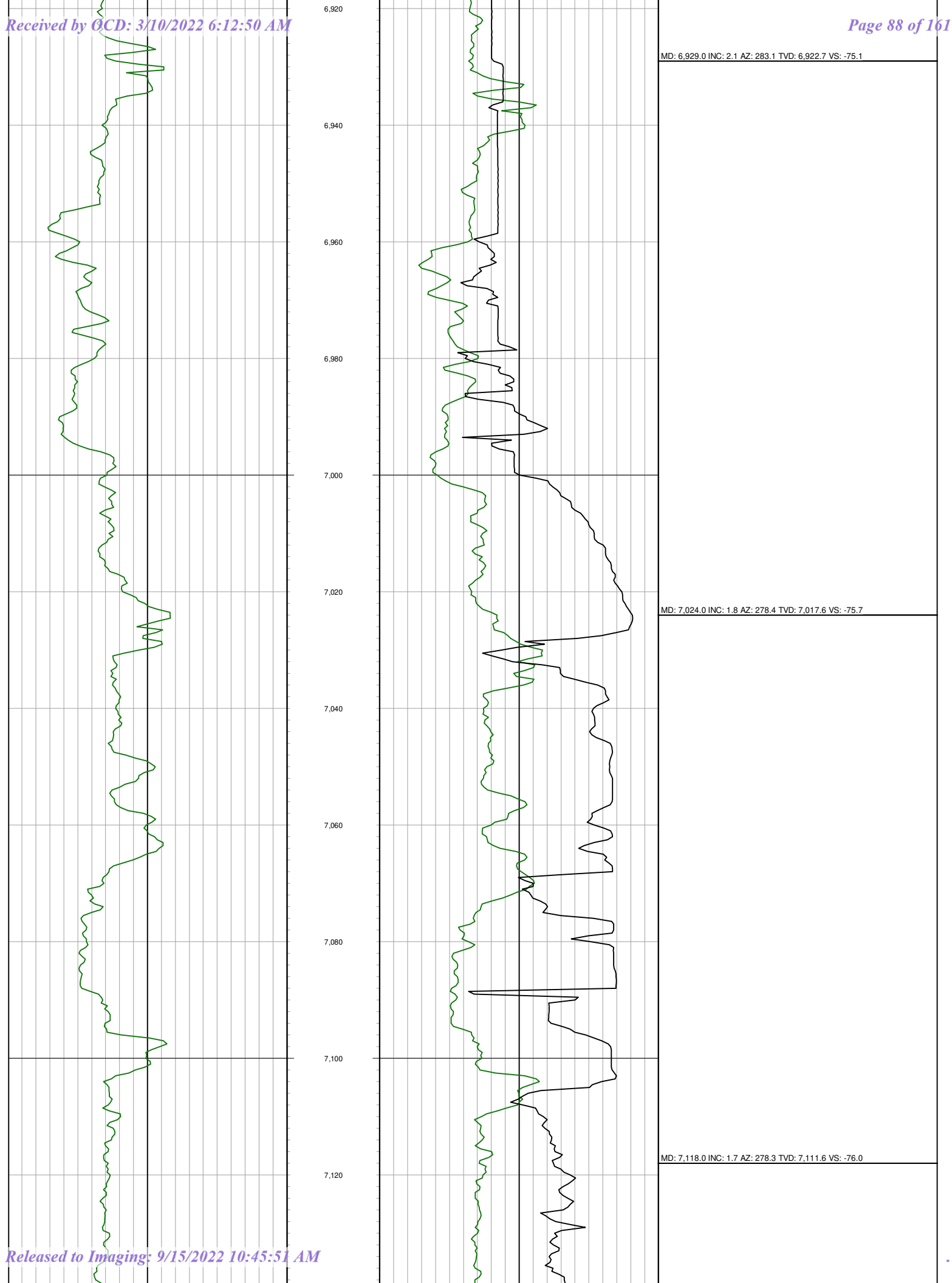
MD: 6,457.0 INC: 2.7 AZ: 281.5 TVD: 6,451.1 VS: -70.6

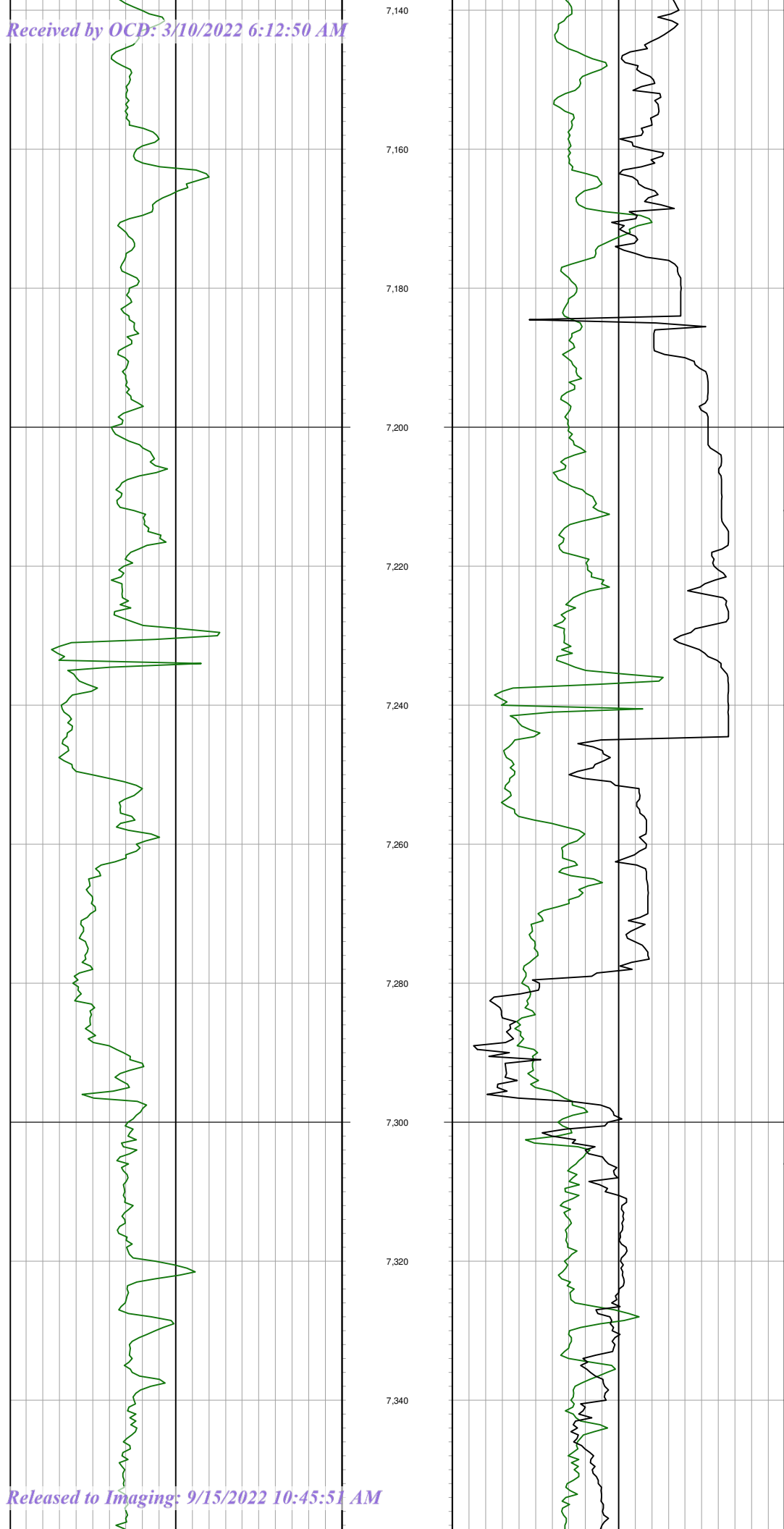


MD: 6.551.0 INC: 2.7 AZ: 286.9 TVD: 6.545.0 VS: -71.6

MD: 6.646.0 INC: 2.3 AZ: 282.8 TVD: 6.639.9 VS: -72.6

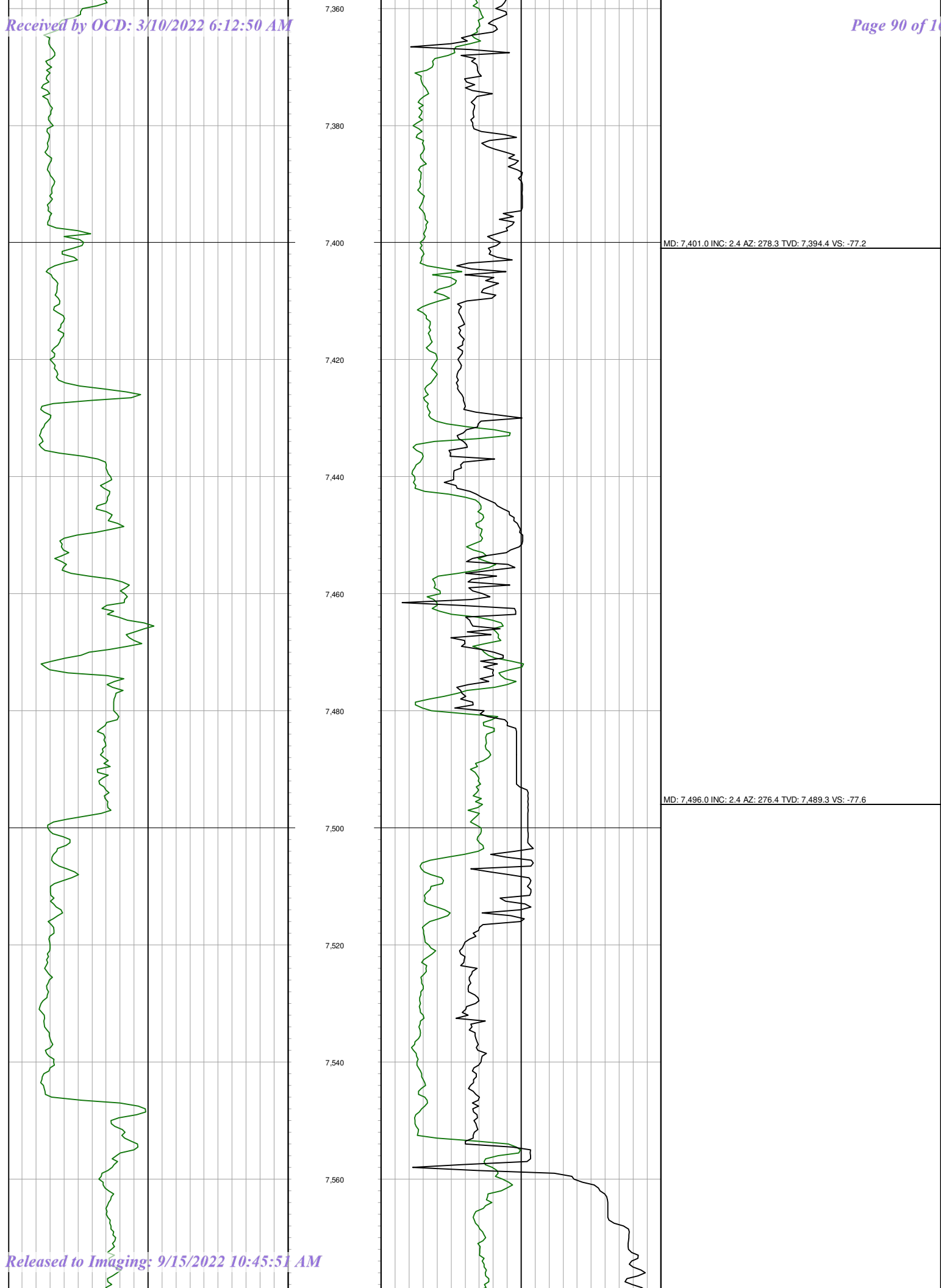


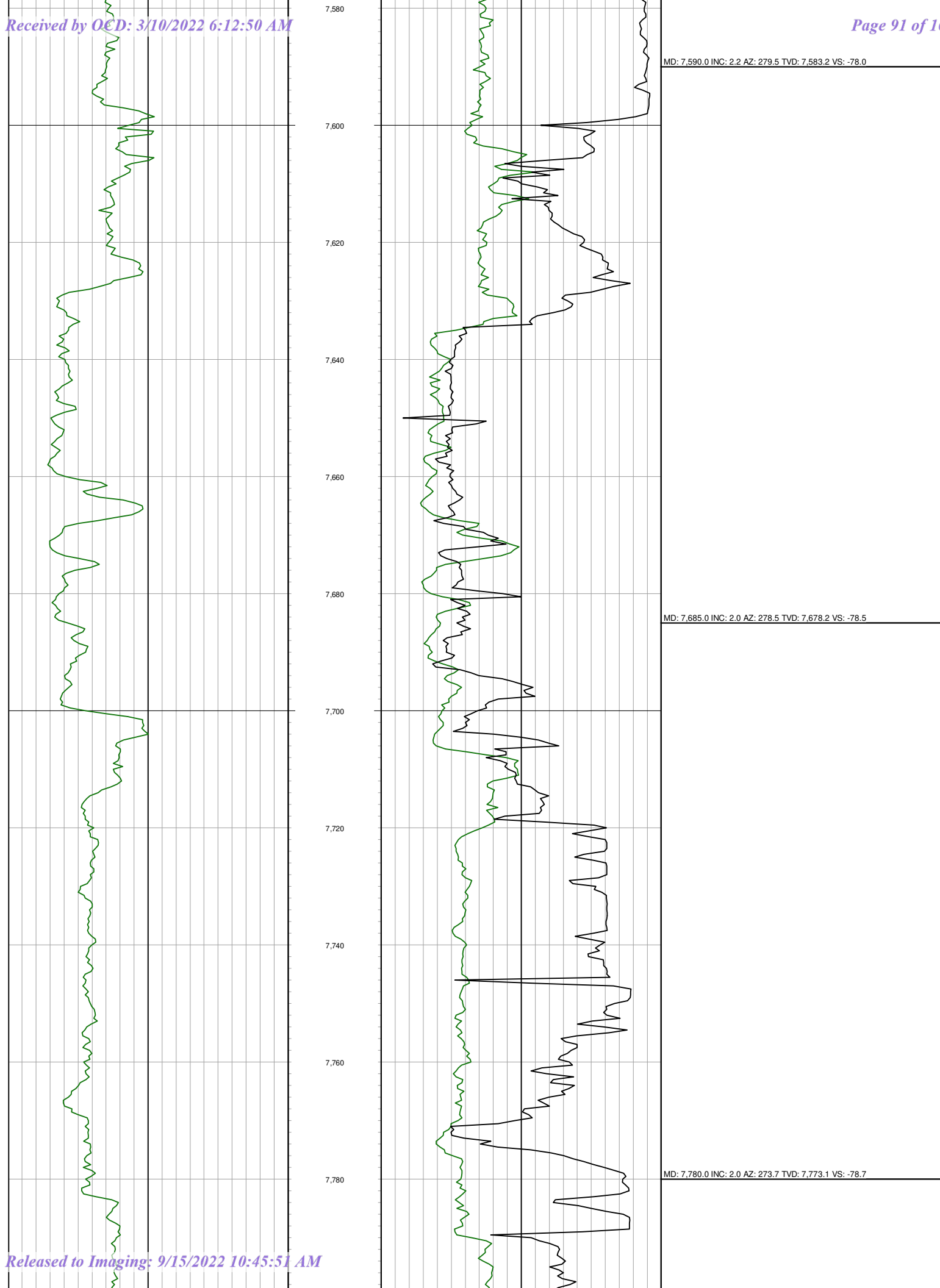


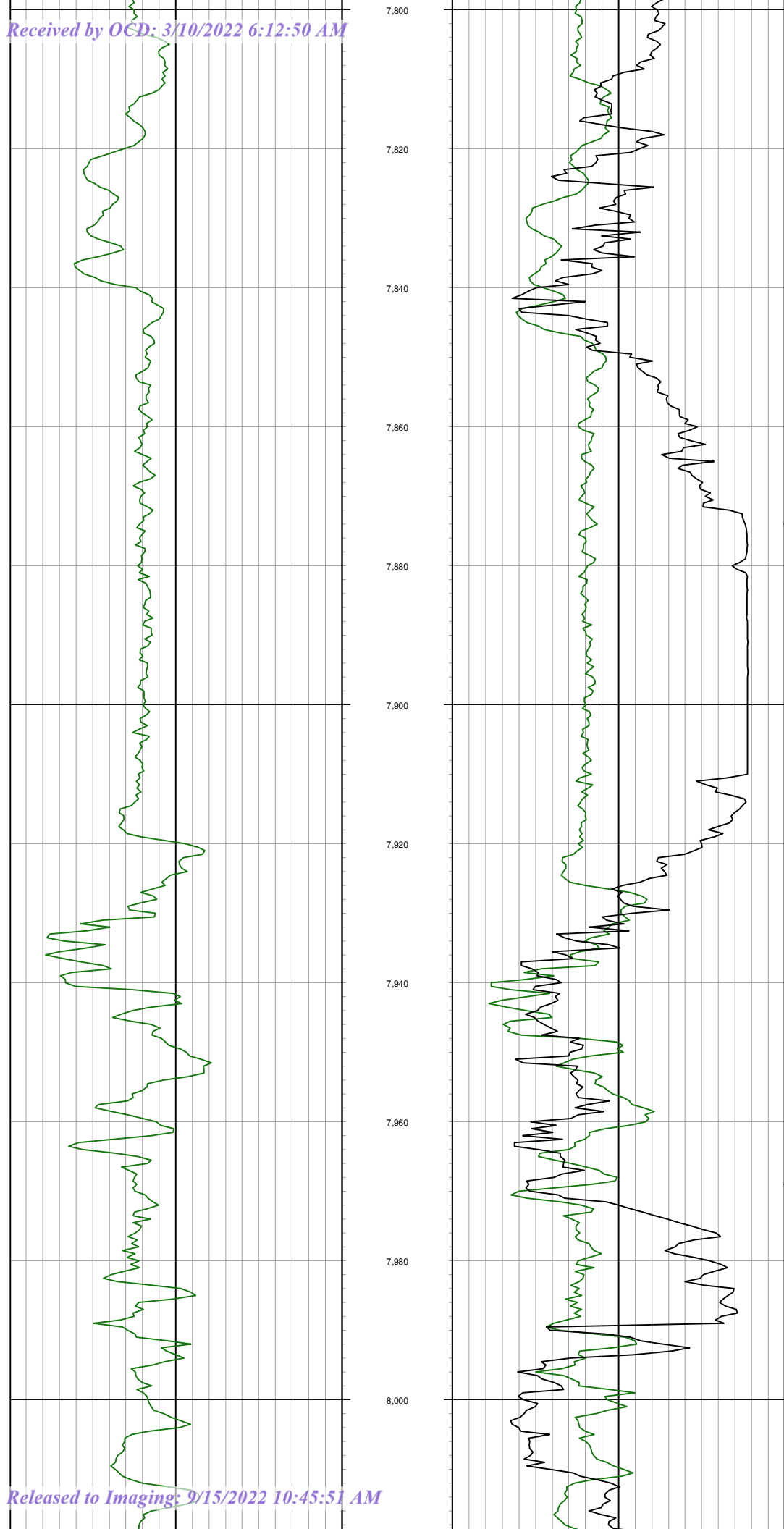


MD: 7,212.0 INC: 1.3 AZ: 280.4 TVD: 7,205.5 VS: -76.3

MD: 7,306.0 INC: 2.3 AZ: 278.7 TVD: 7,299.5 VS: -76.7

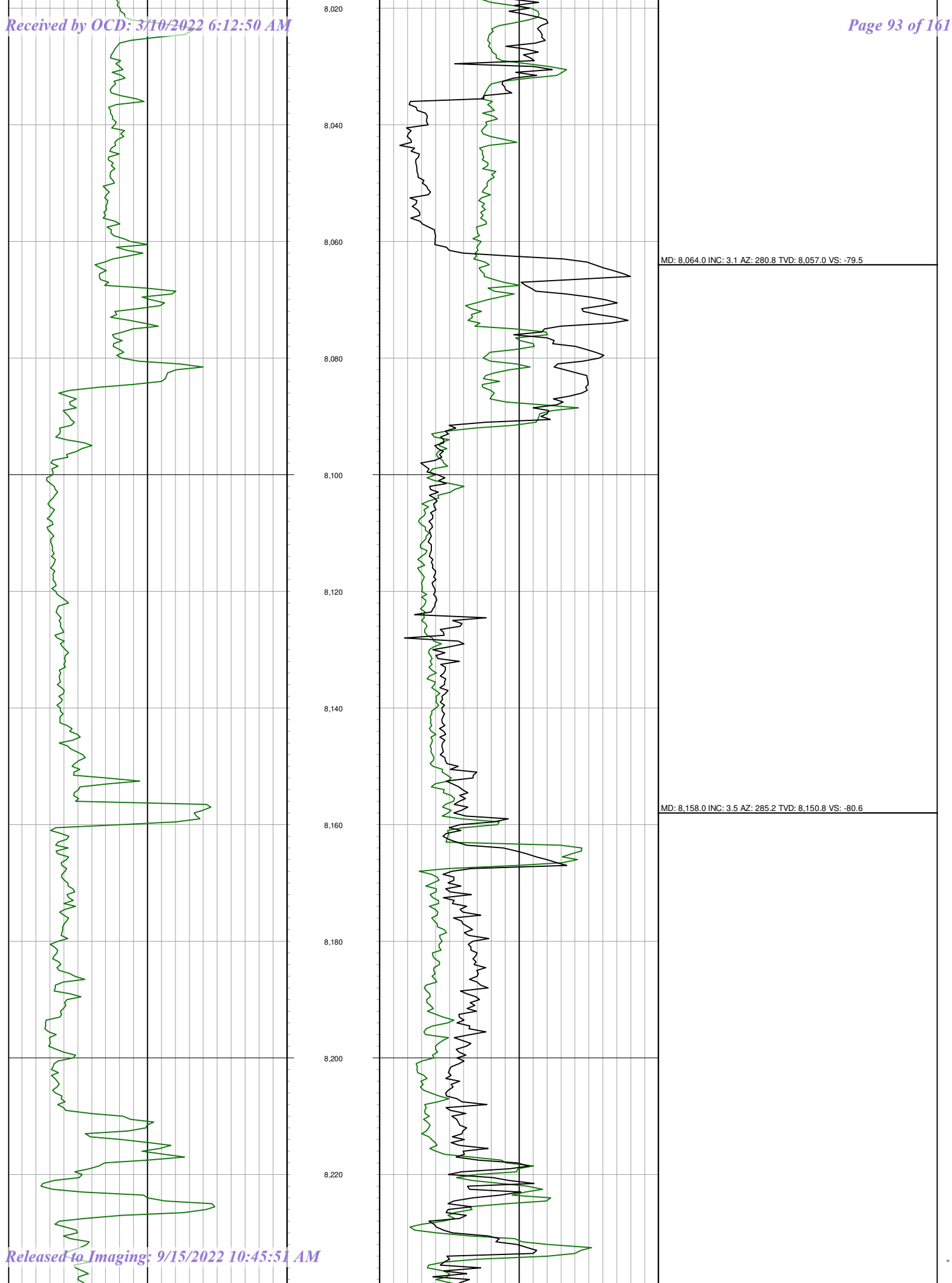


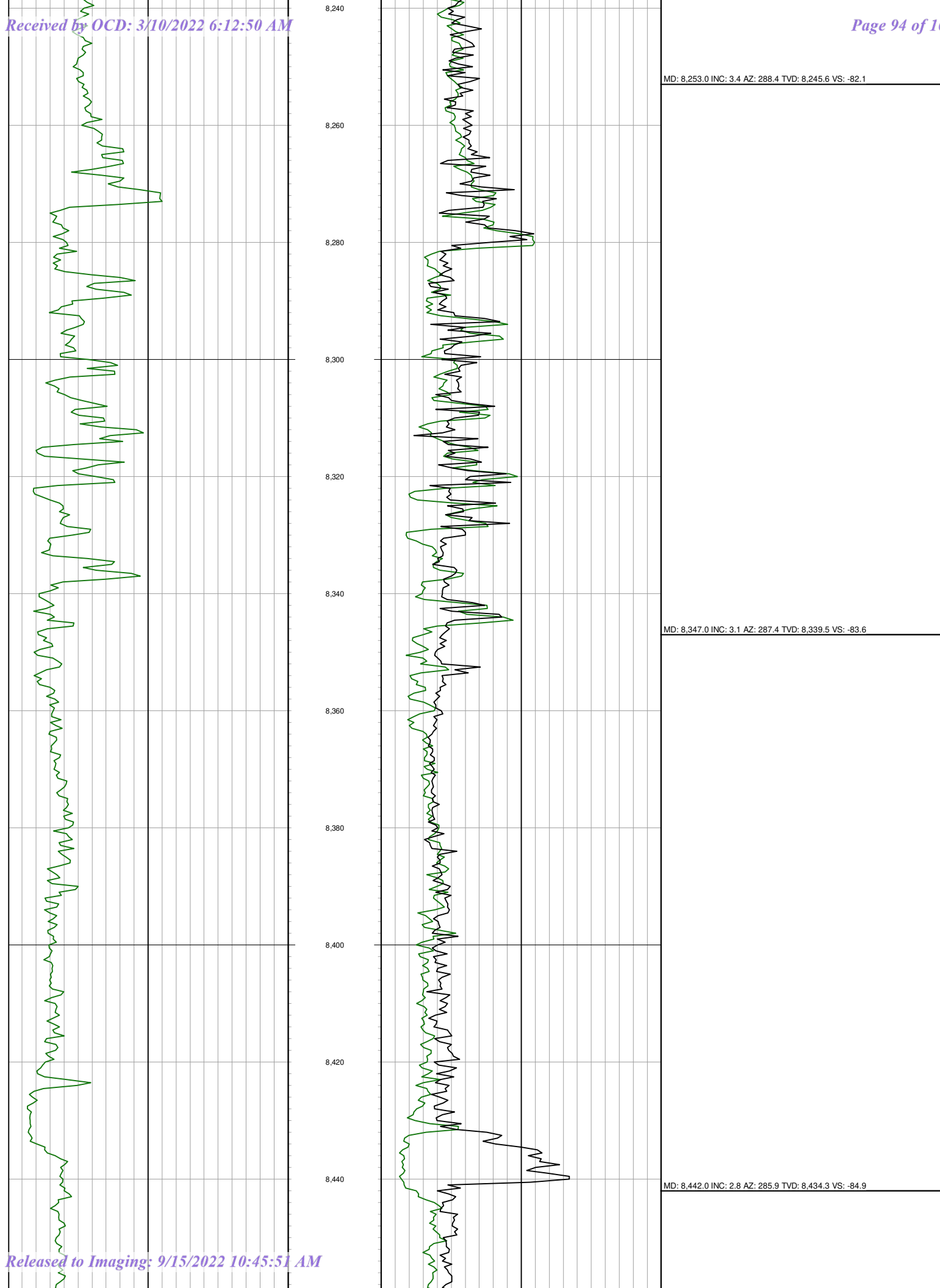


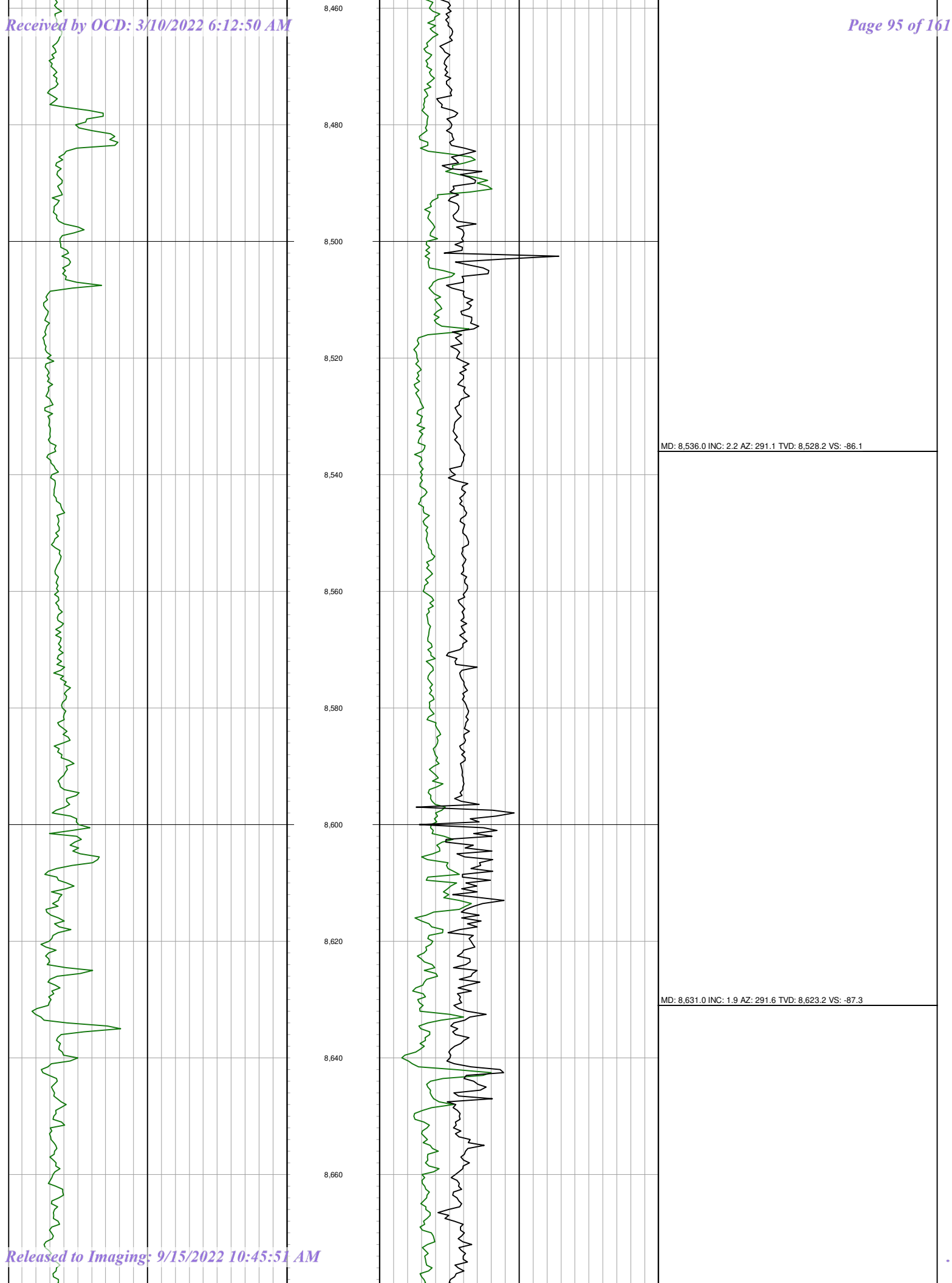


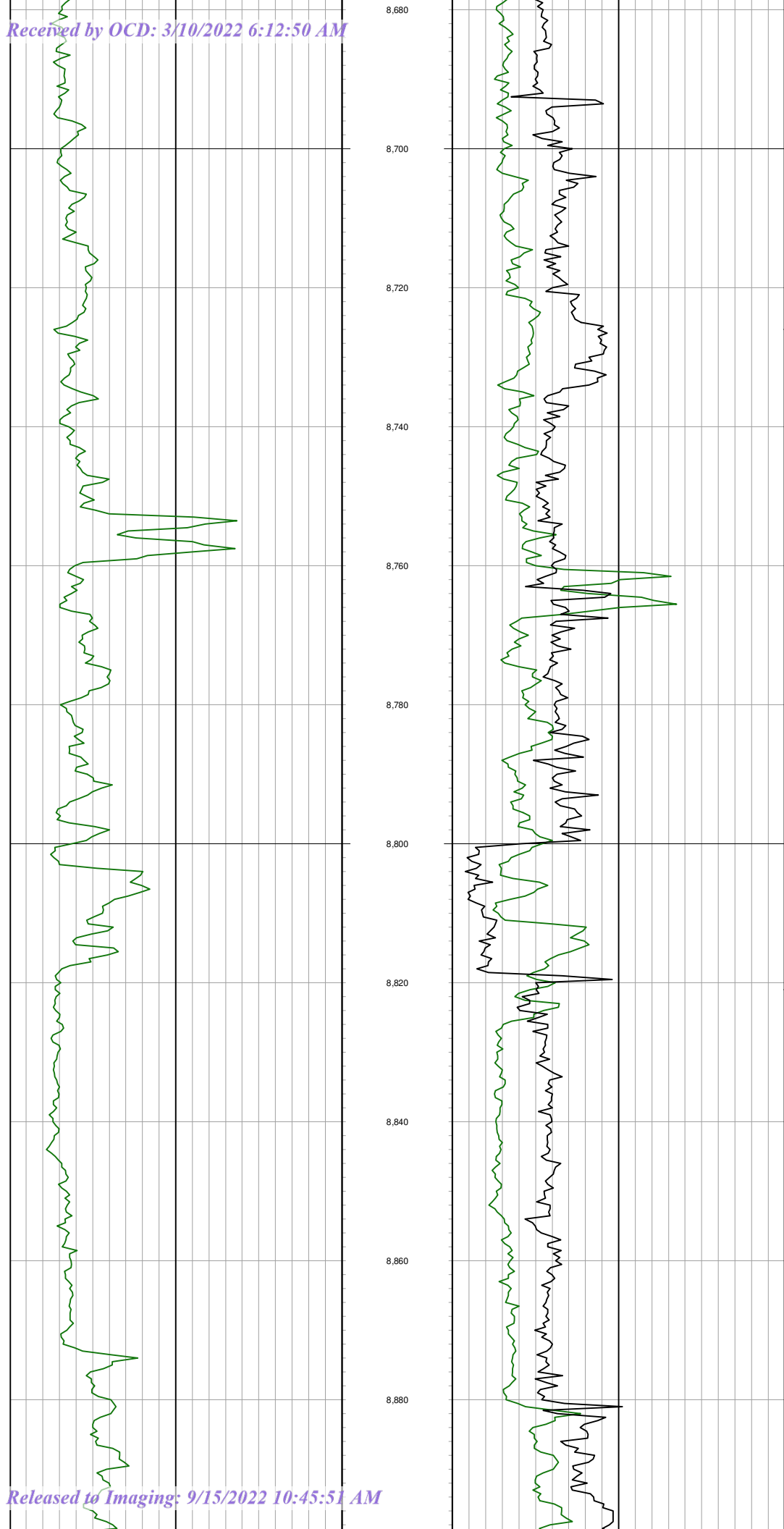
MD: 7.874.0 INC: 1.8 AZ: 274.9 TVD: 7.867.1 VS: -78.9

MD: 7.969.0 INC: 1.4 AZ: 275.3 TVD: 7.962.0 VS: -79.0



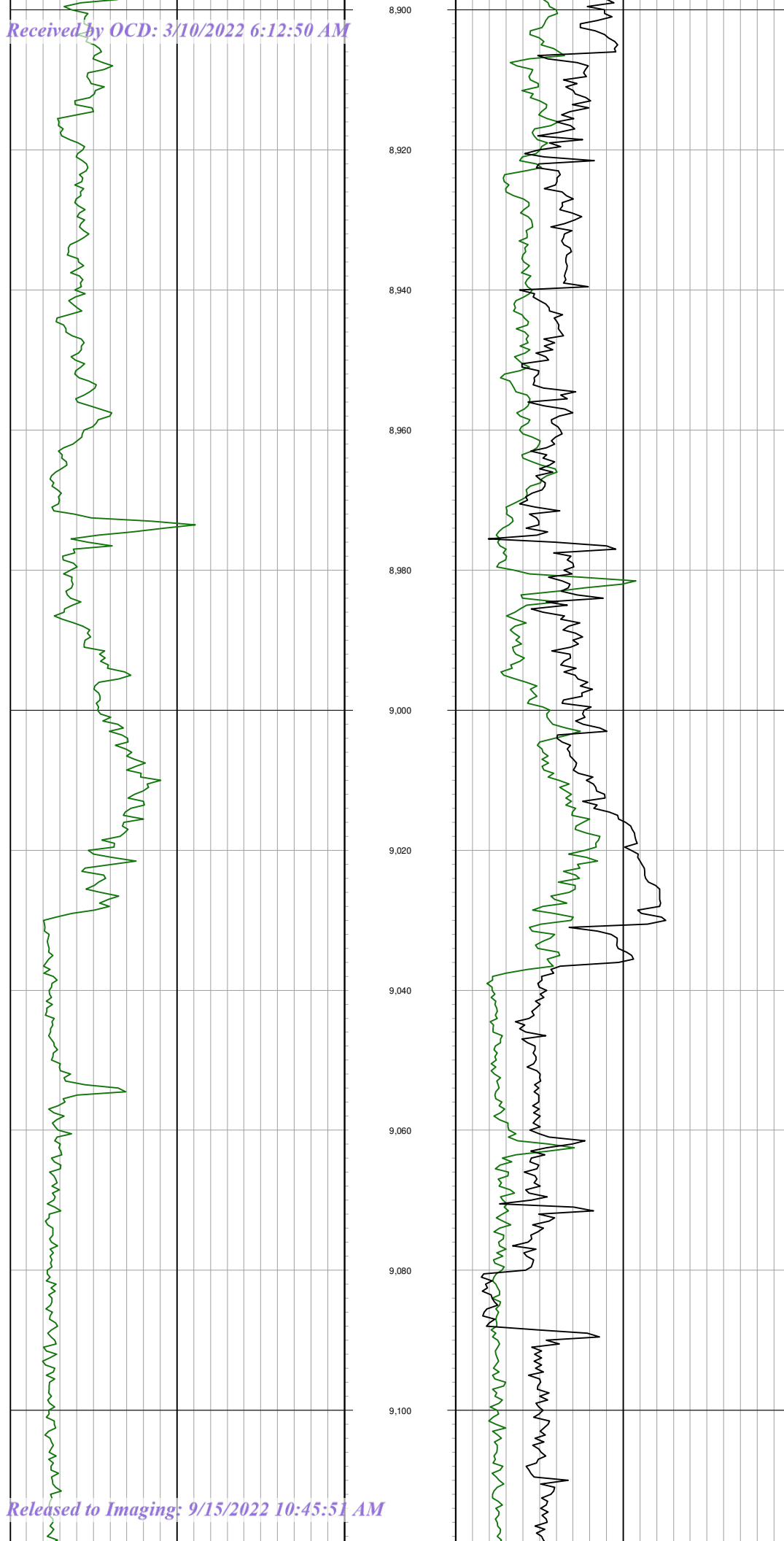






MD: 8,726.0 INC: 1.8 AZ: 296.4 TVD: 8,718.1 VS: -88.4

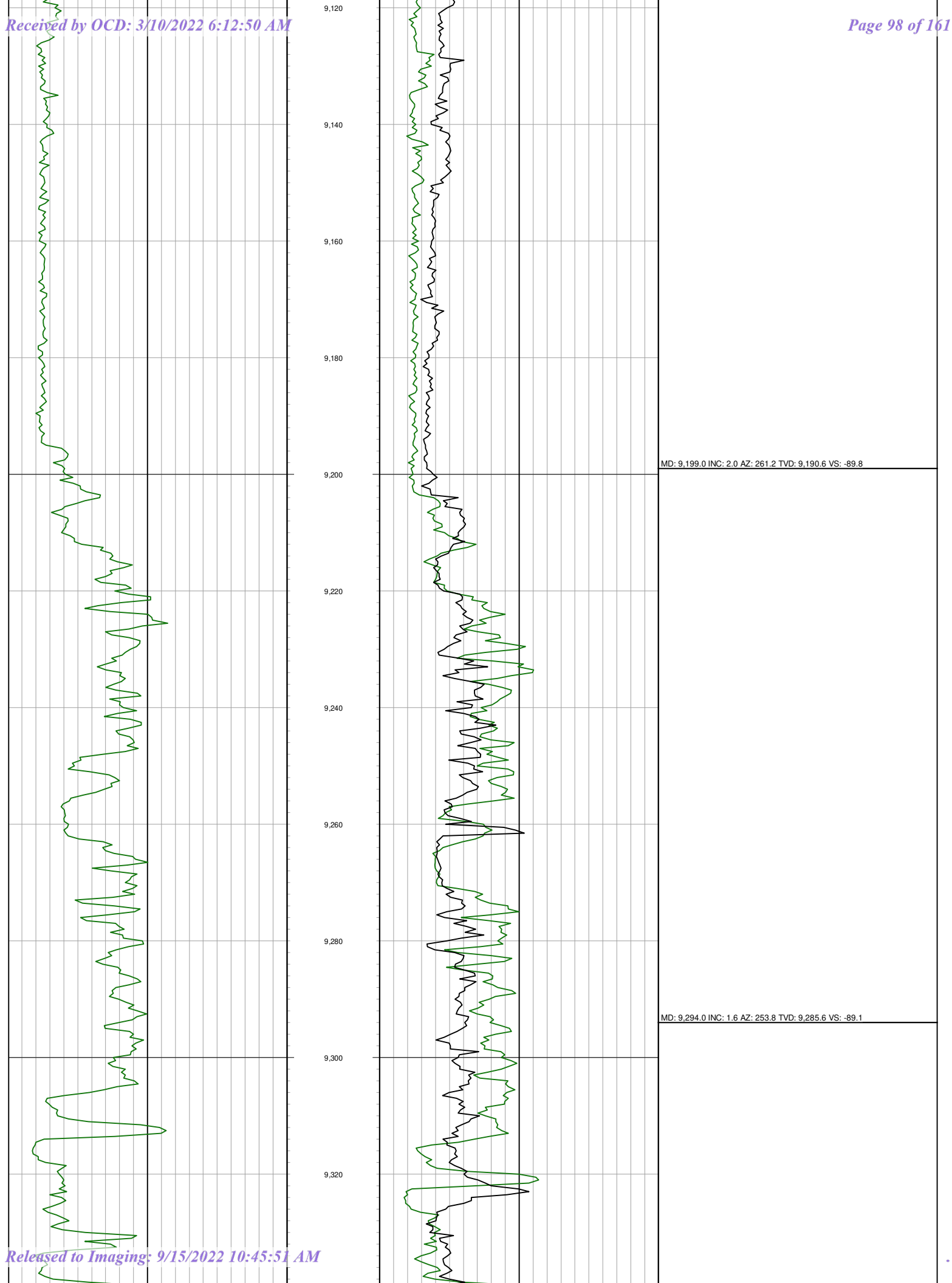
MD: 8,821.0 INC: 2.3 AZ: 292.0 TVD: 8,813.1 VS: -89.7

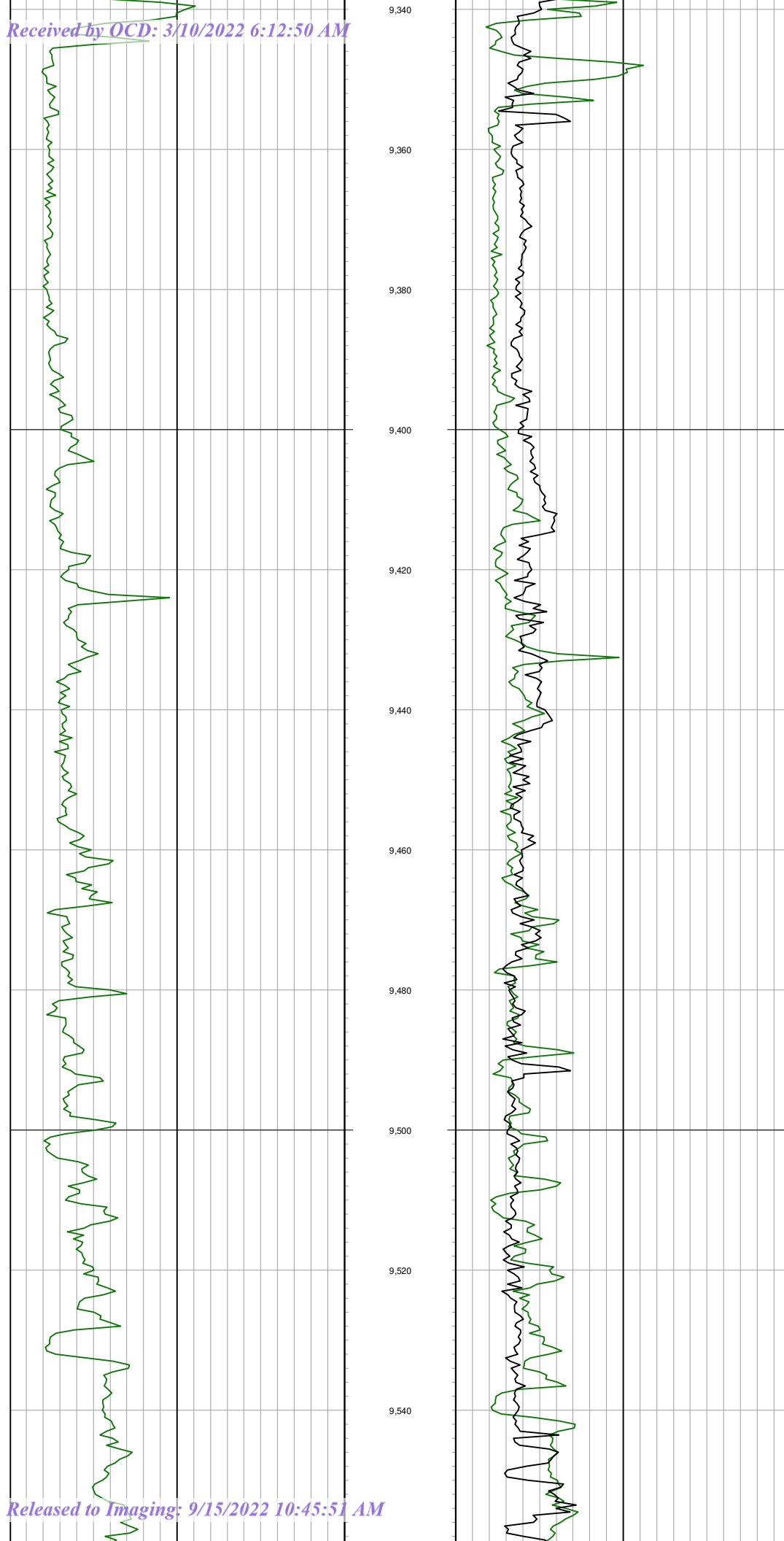


MD: 8,915.0 INC: 3.4 AZ: 275.1 TVD: 8,907.0 VS: -90.5

MD: 9,010.0 INC: 3.2 AZ: 270.3 TVD: 9,001.8 VS: -90.7

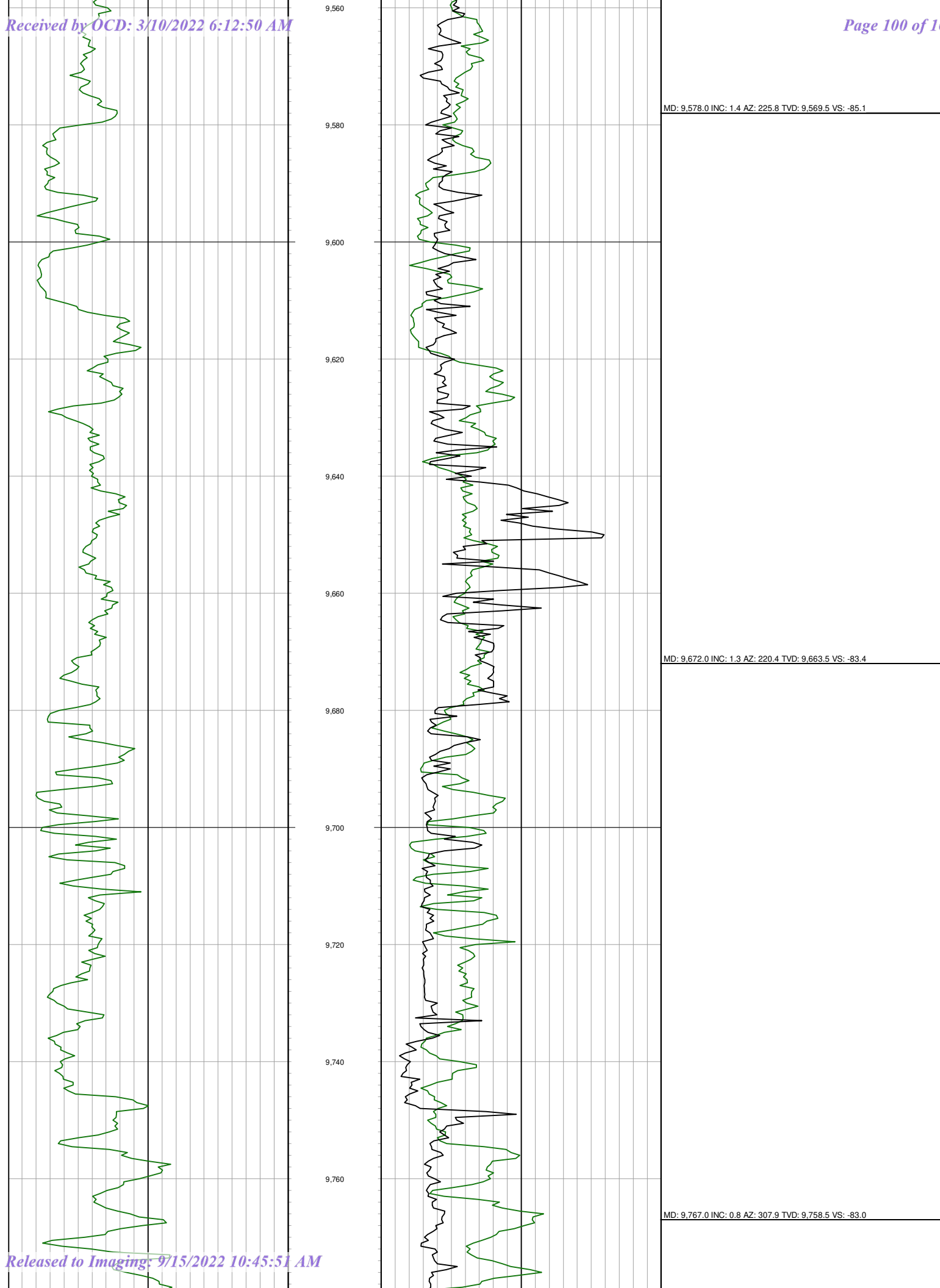
MD: 9,105.0 INC: 2.2 AZ: 263.5 TVD: 9,096.7 VS: -90.3

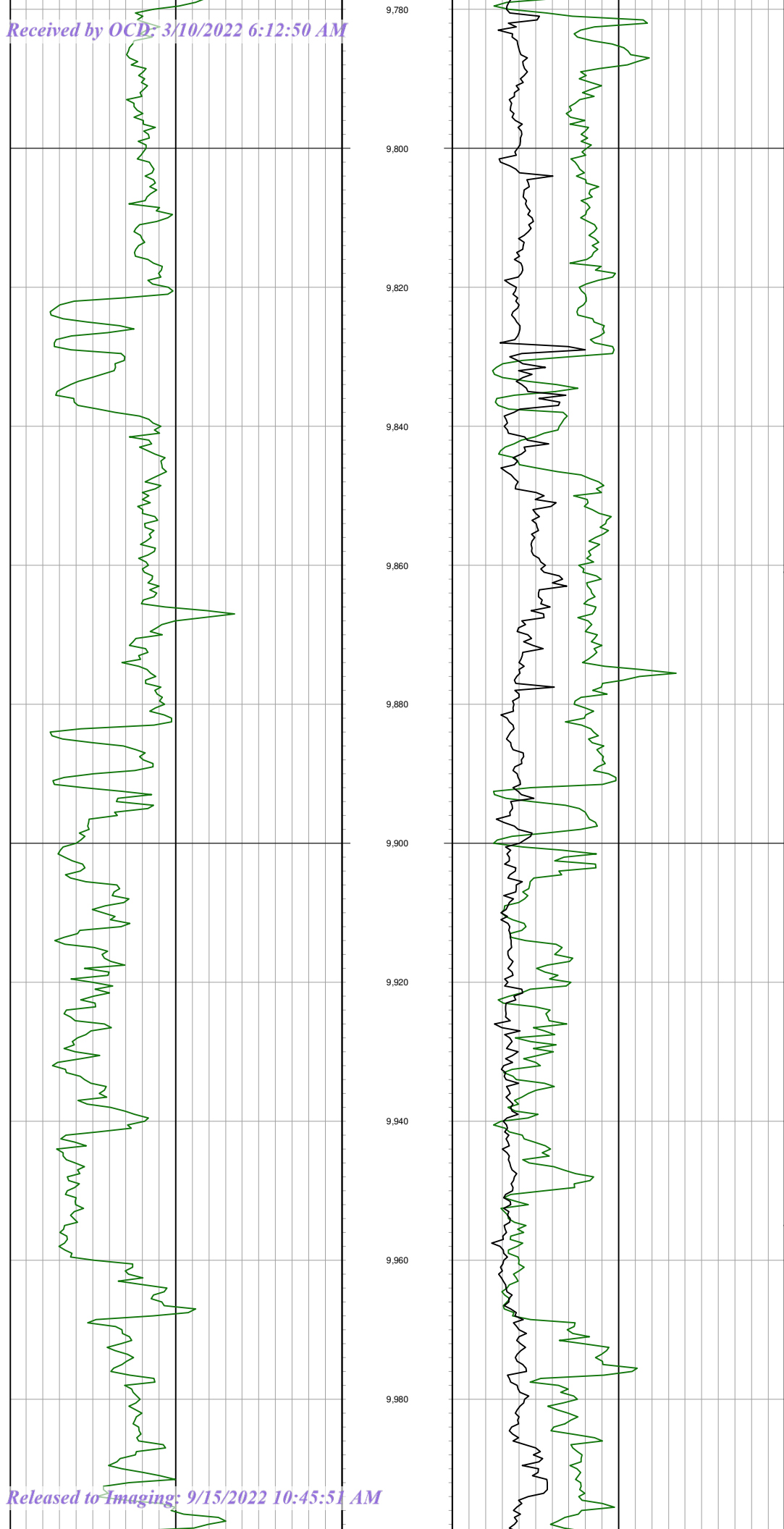




MD: 9,389.0 INC: 1.3 AZ: 237.5 TVD: 9,380.6 VS: -88.1

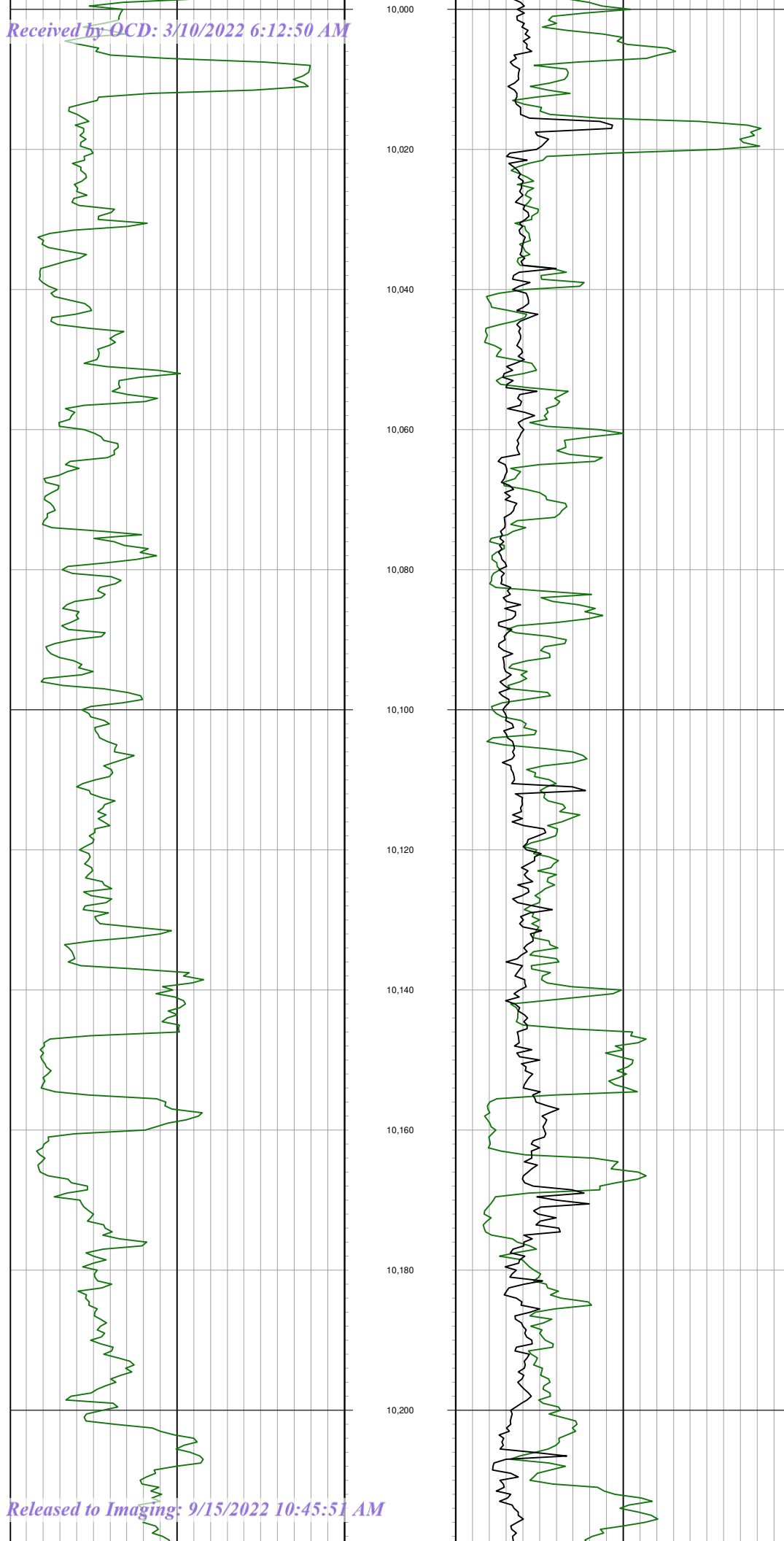
MD: 9,483.0 INC: 1.6 AZ: 233.6 TVD: 9,474.5 VS: -86.7





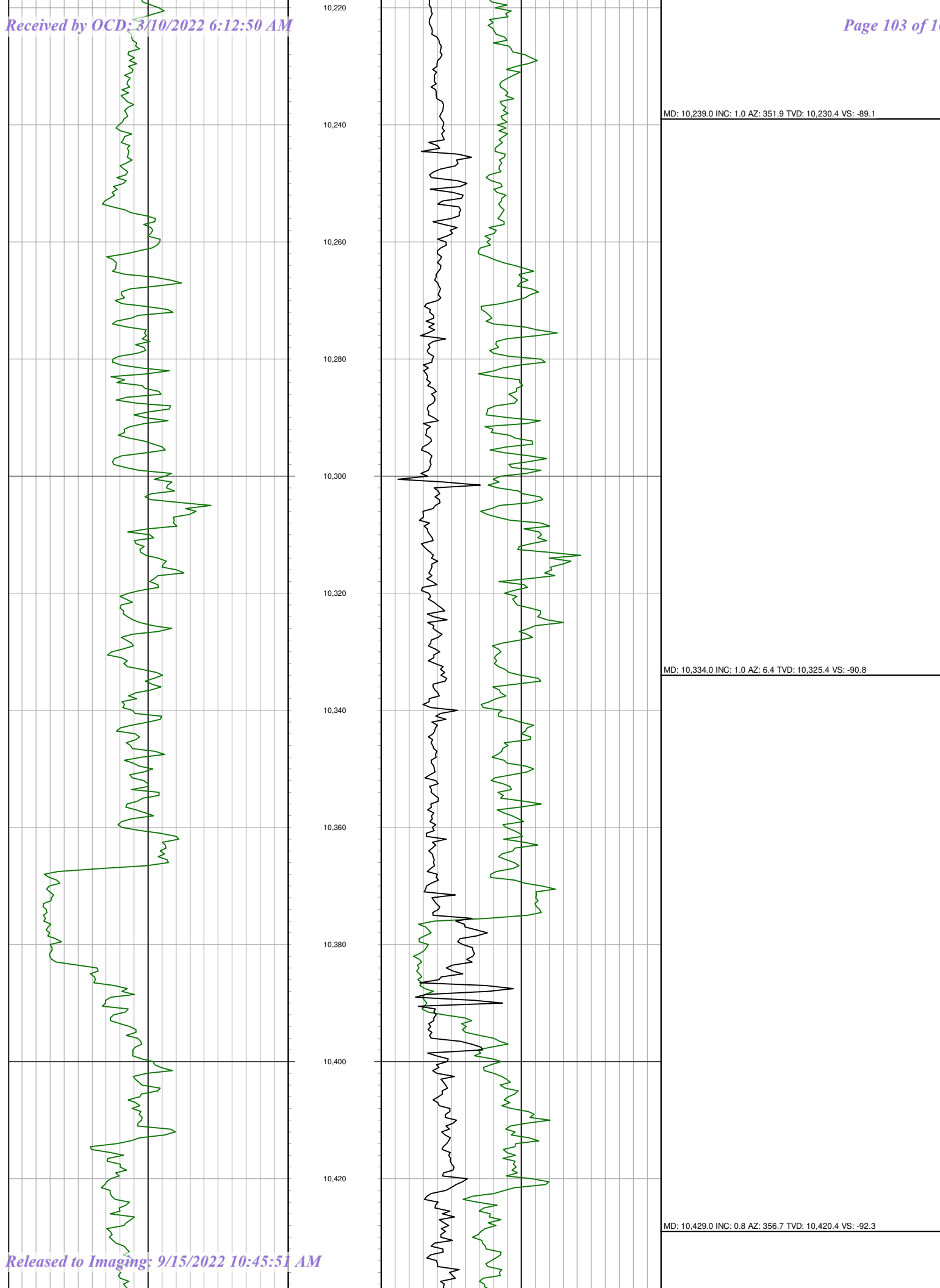
MD: 9,861.0 INC: 0.6 AZ: 339.0 TVD: 9,852.4 VS: -83.8

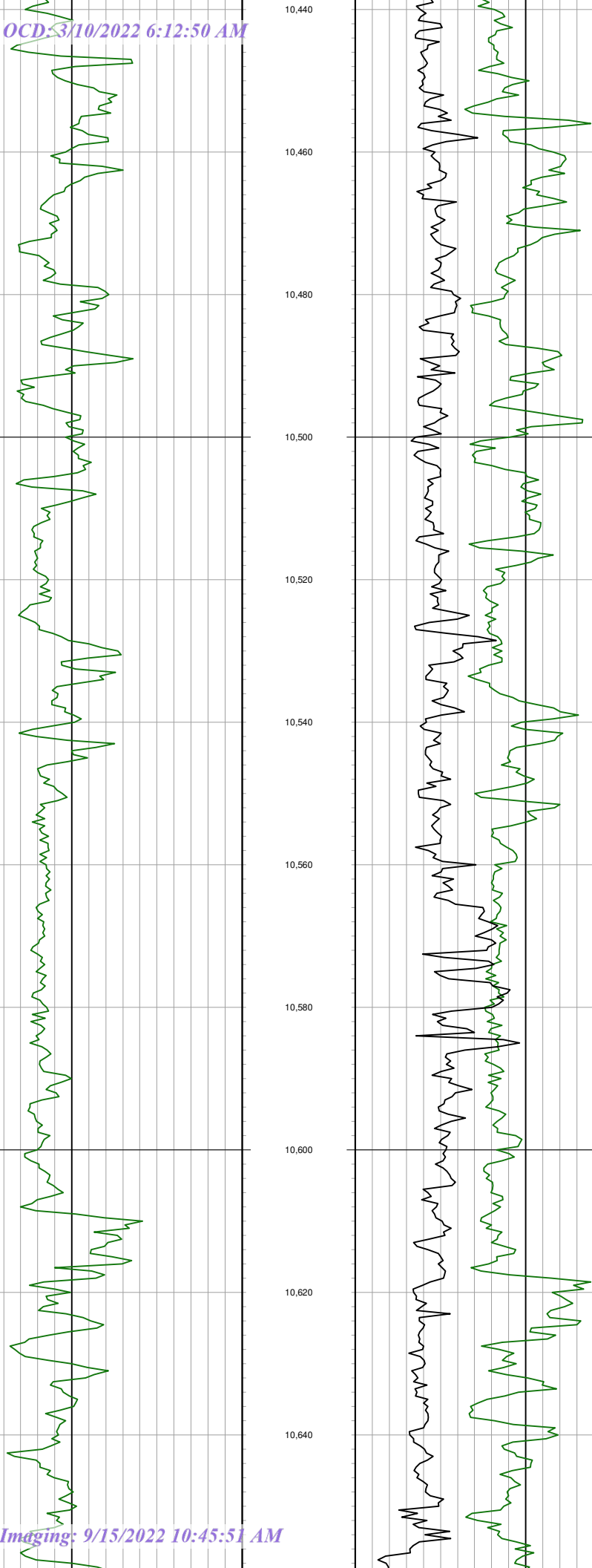
MD: 9,955.0 INC: 0.8 AZ: 337.8 TVD: 9,946.4 VS: -84.8



MD: 10,050.0 INC: 0.9 AZ: 342.2 TVD: 10,041.4 VS: -86.1

MD: 10,145.0 INC: 1.0 AZ: 335.8 TVD: 10,136.4 VS: -87.6

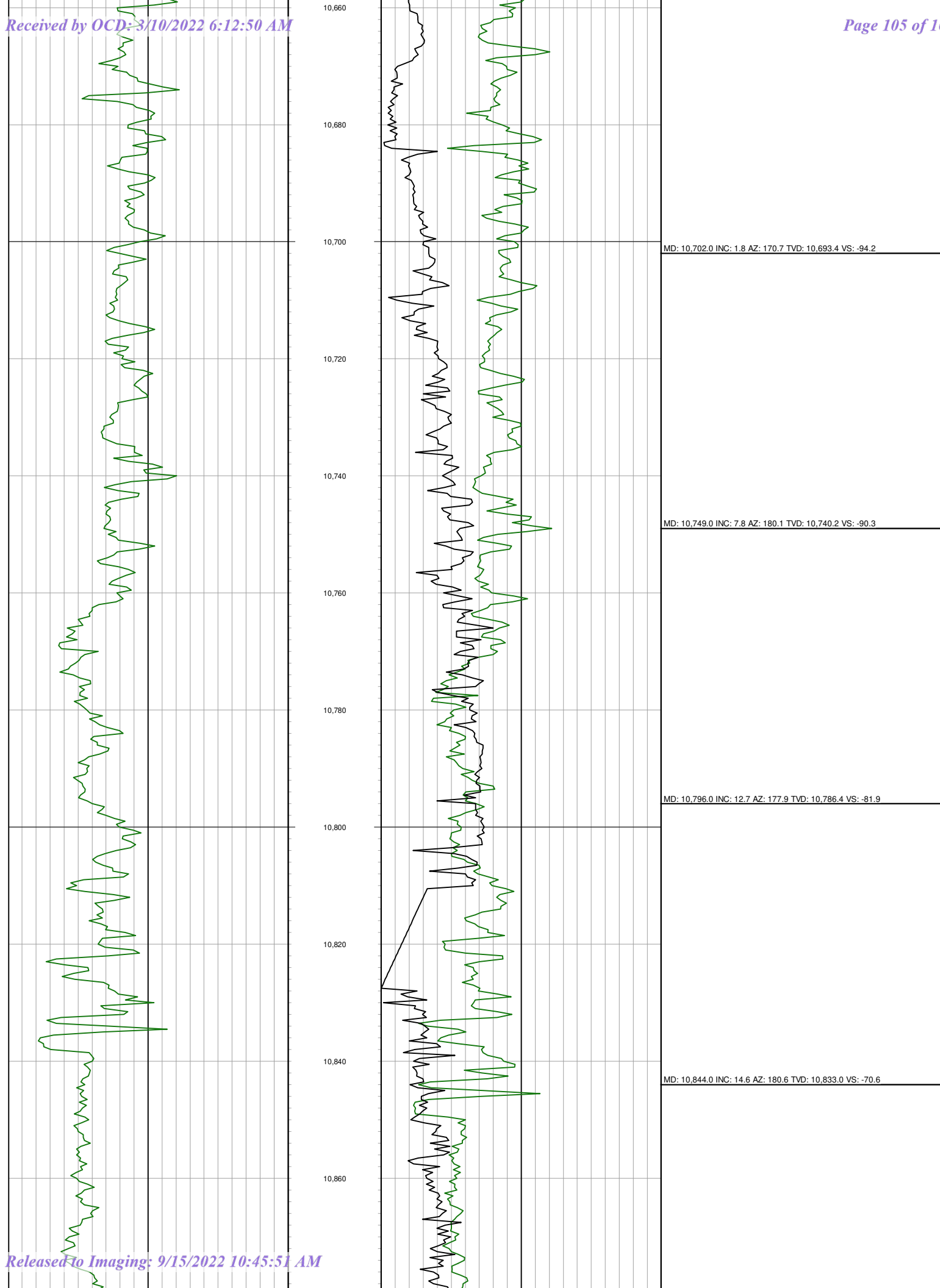


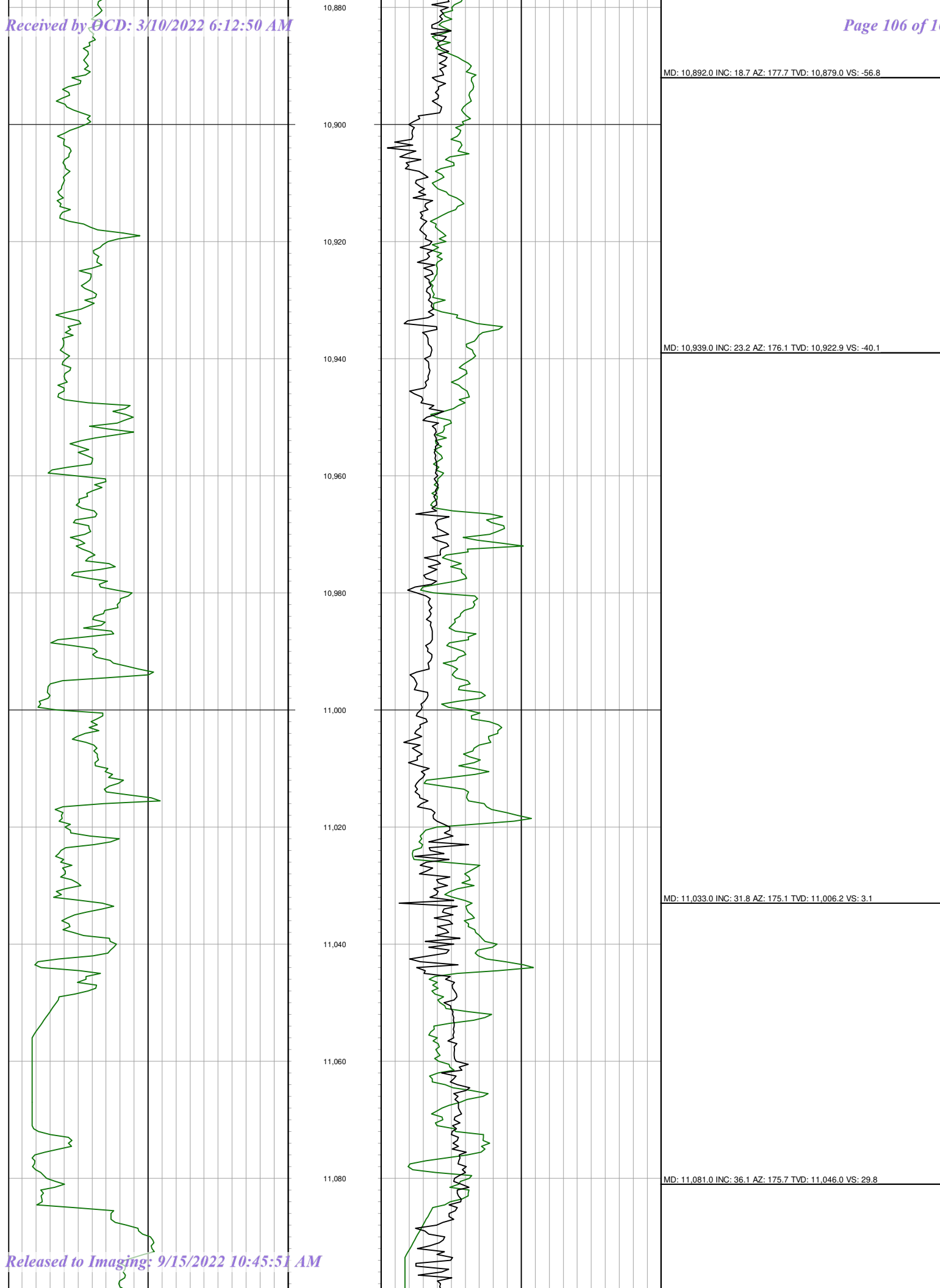


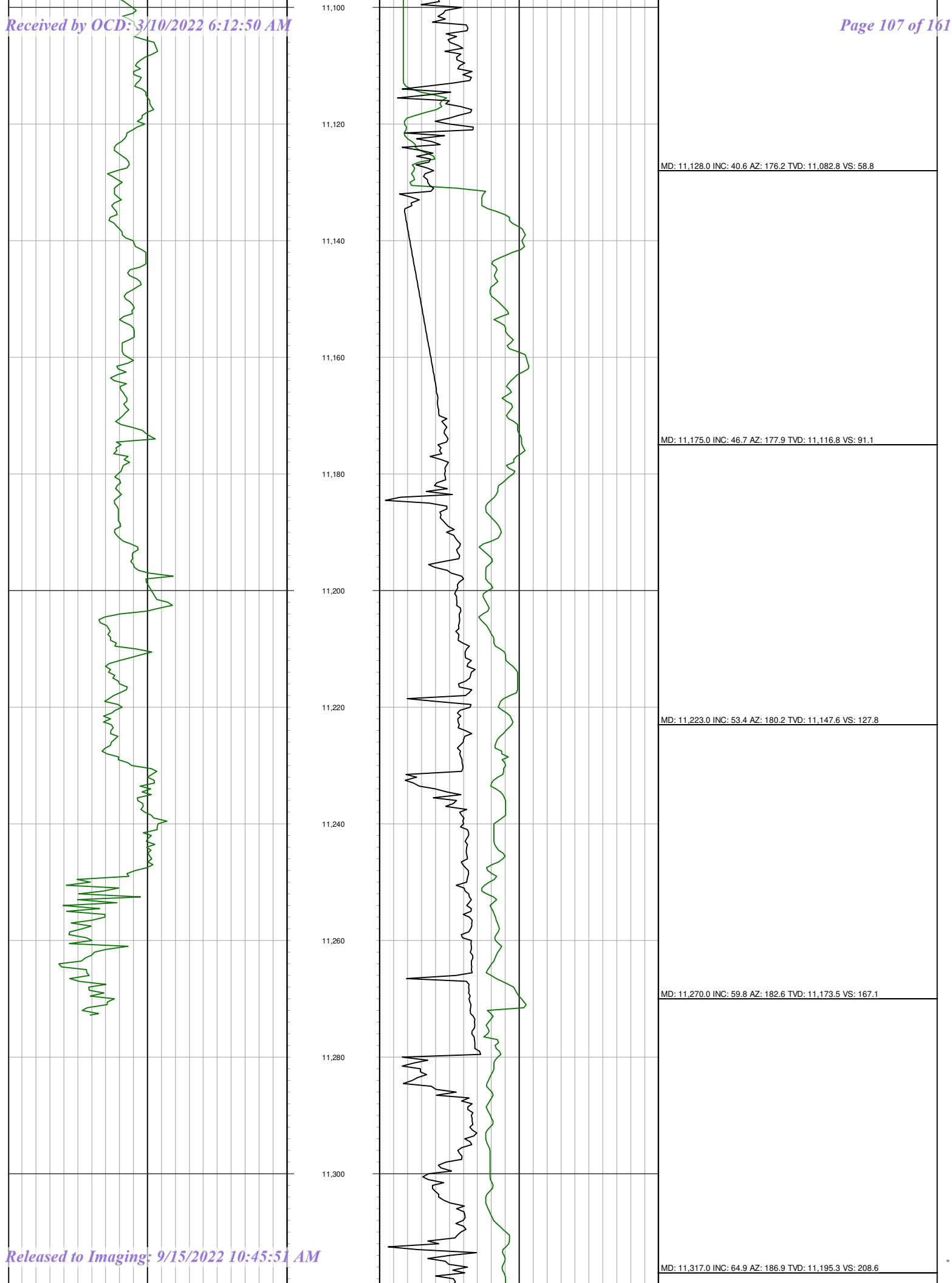
MD: 10,523.0 INC: 0.7 AZ: 359.2 TVD: 10,514.4 VS: -93.5

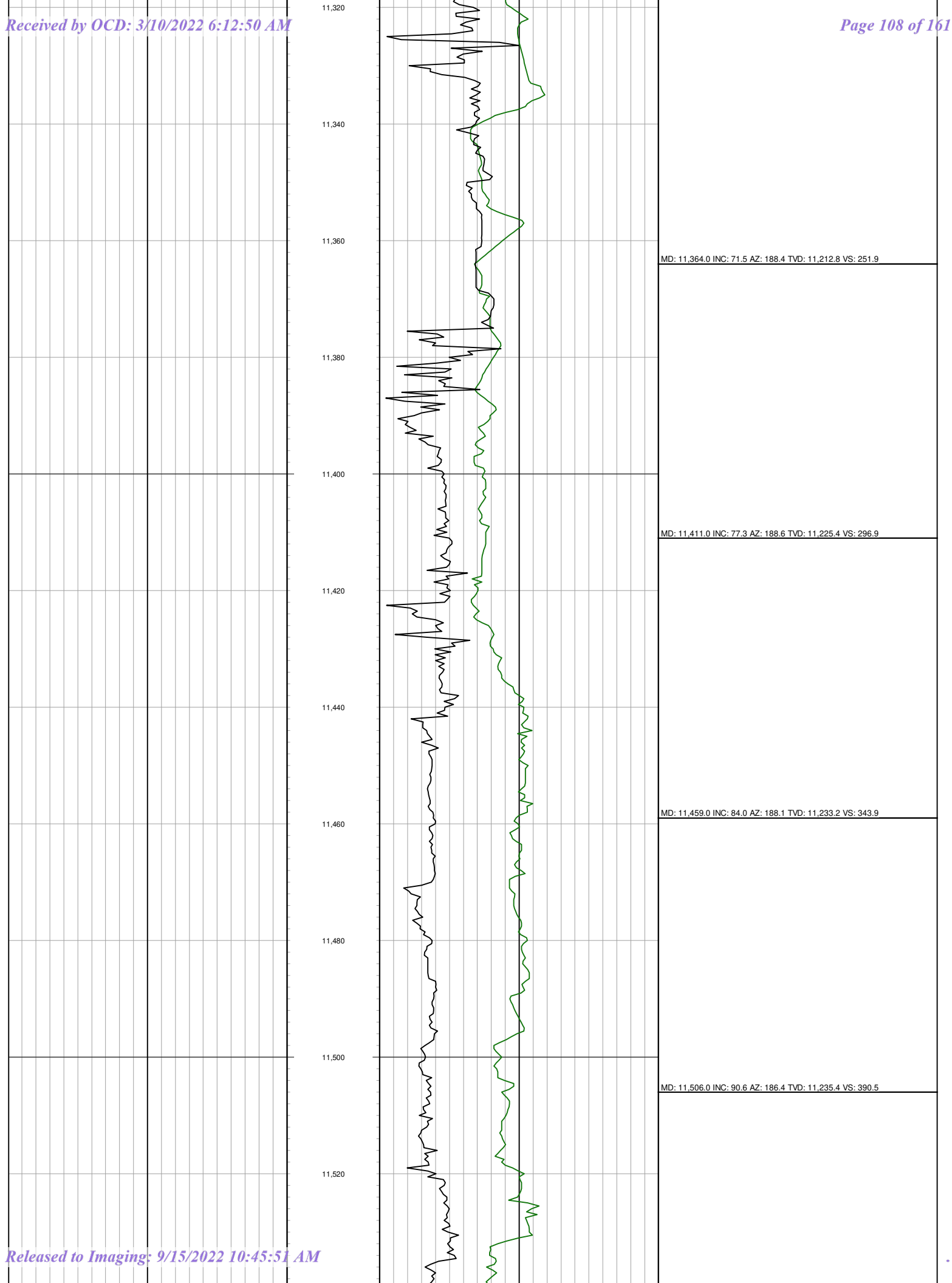
MD: 10,591.0 INC: 0.6 AZ: 2.0 TVD: 10,582.4 VS: -94.3

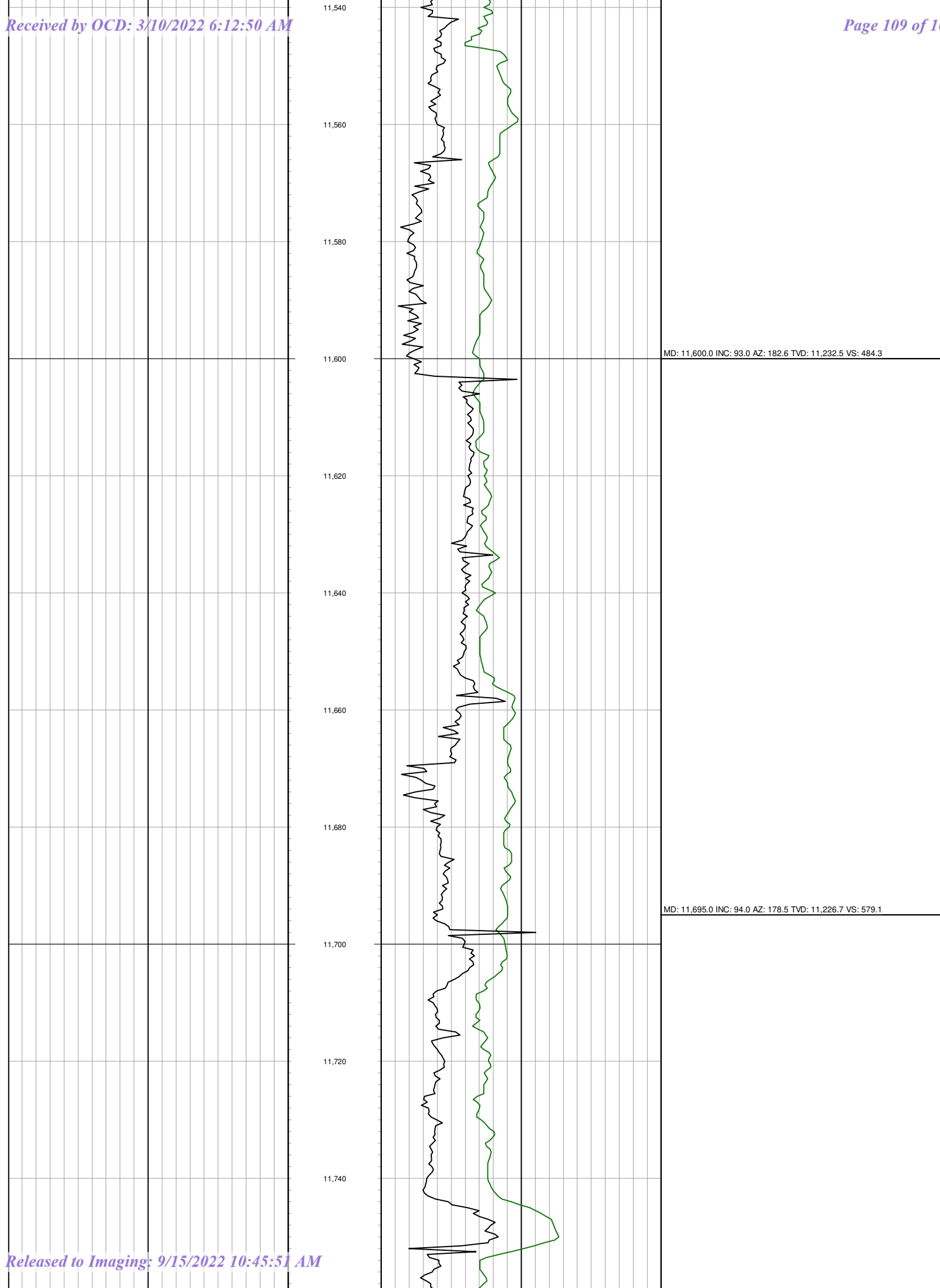
MD: 10,655.0 INC: 0.4 AZ: 357.3 TVD: 10,646.4 VS: -94.8

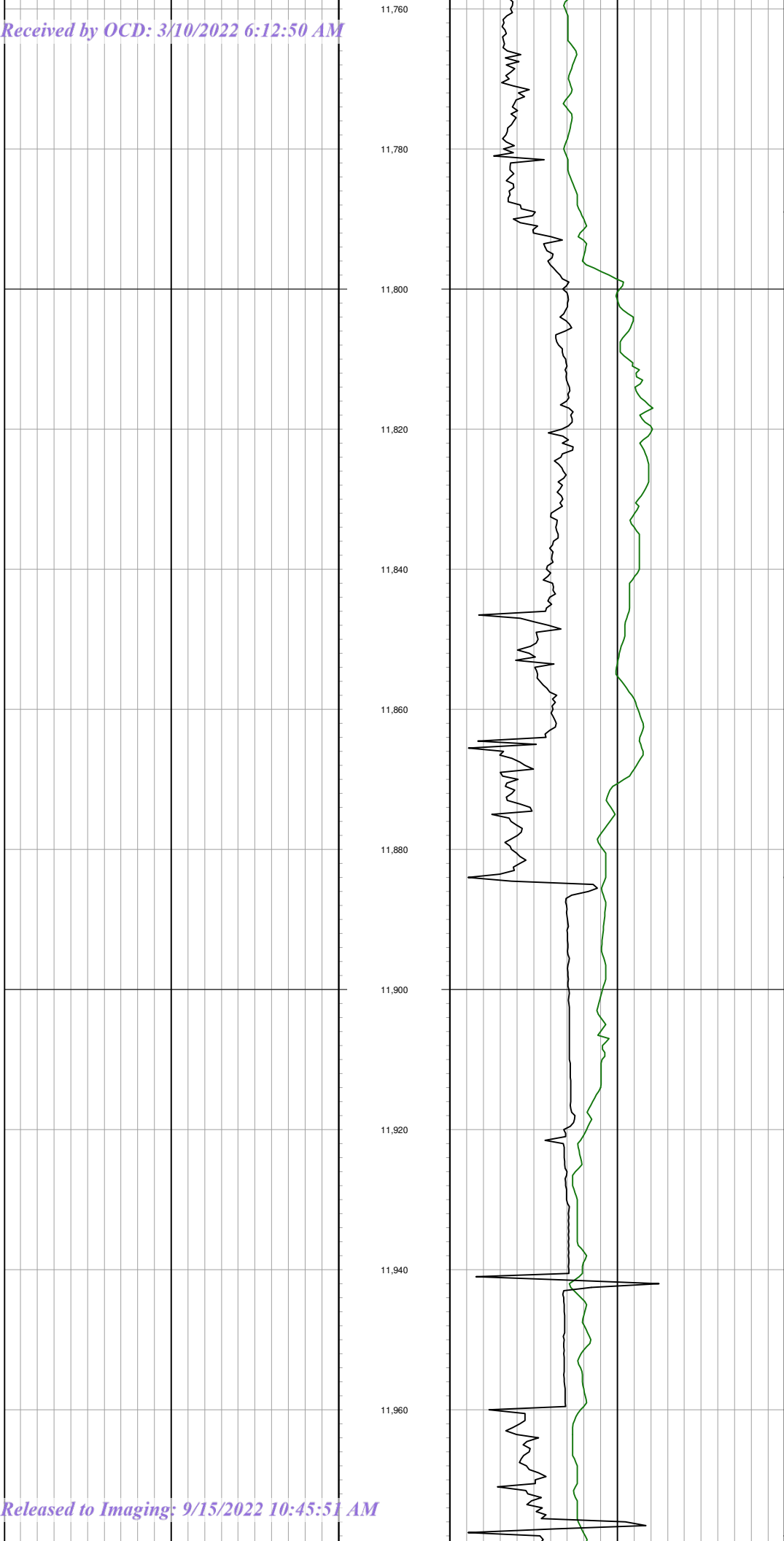








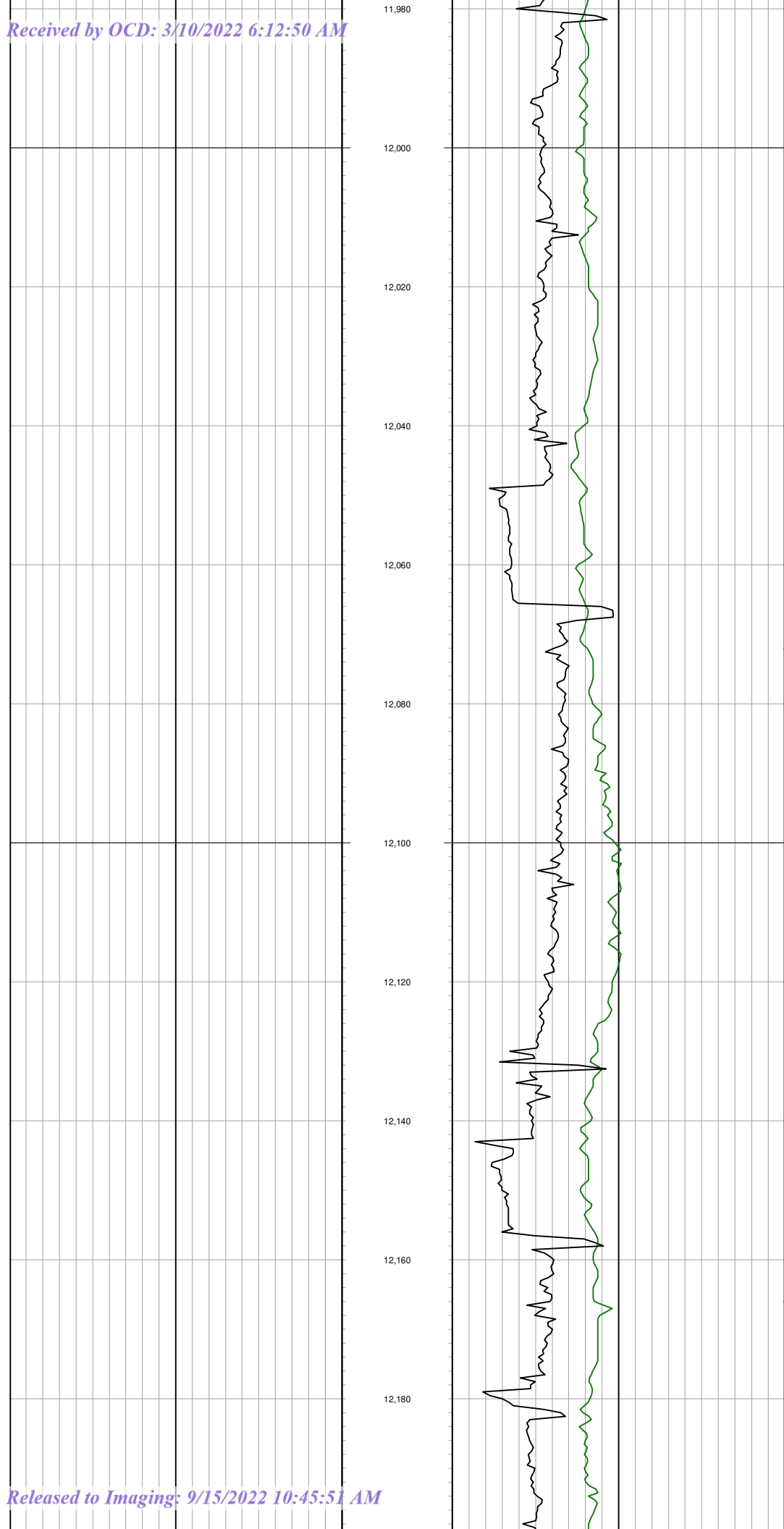




MD: 11,789.0 INC: 93.4 AZ: 176.6 TVD: 11,220.6 VS: 672.7

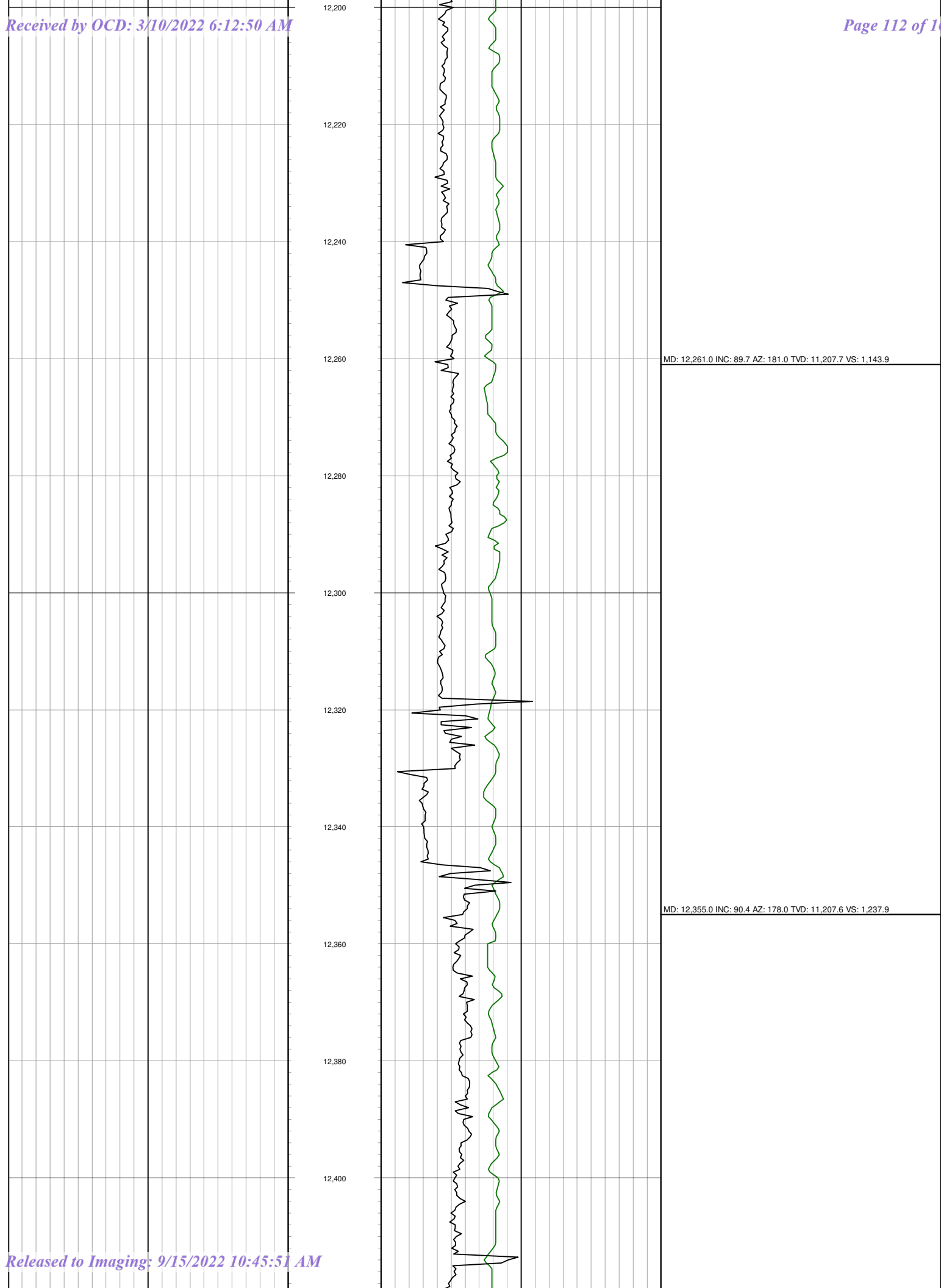
MD: 11,884.0 INC: 92.6 AZ: 177.5 TVD: 11,215.6 VS: 767.3

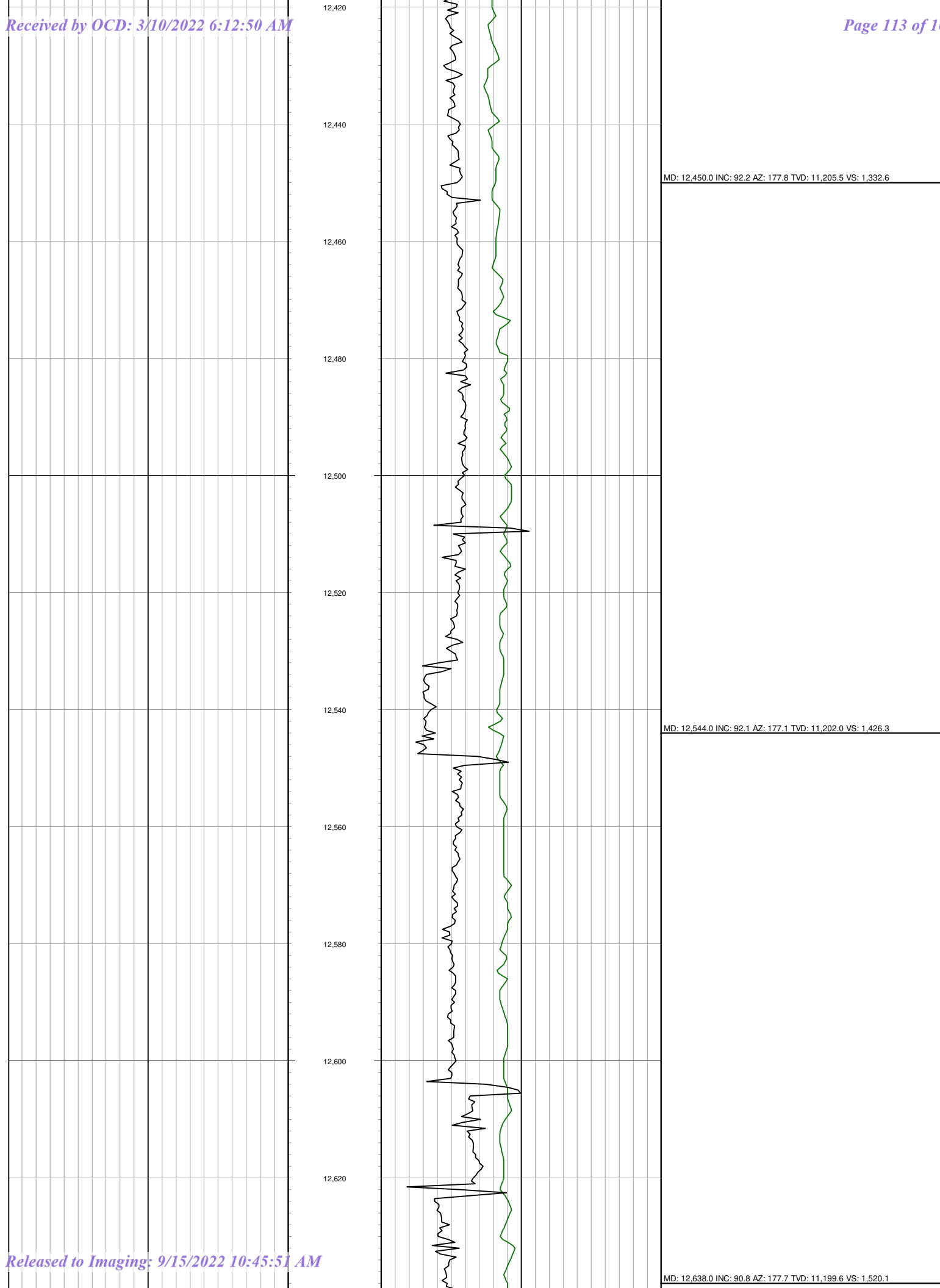
MD: 11,978.0 INC: 91.9 AZ: 178.8 TVD: 11,211.9 VS: 861.0

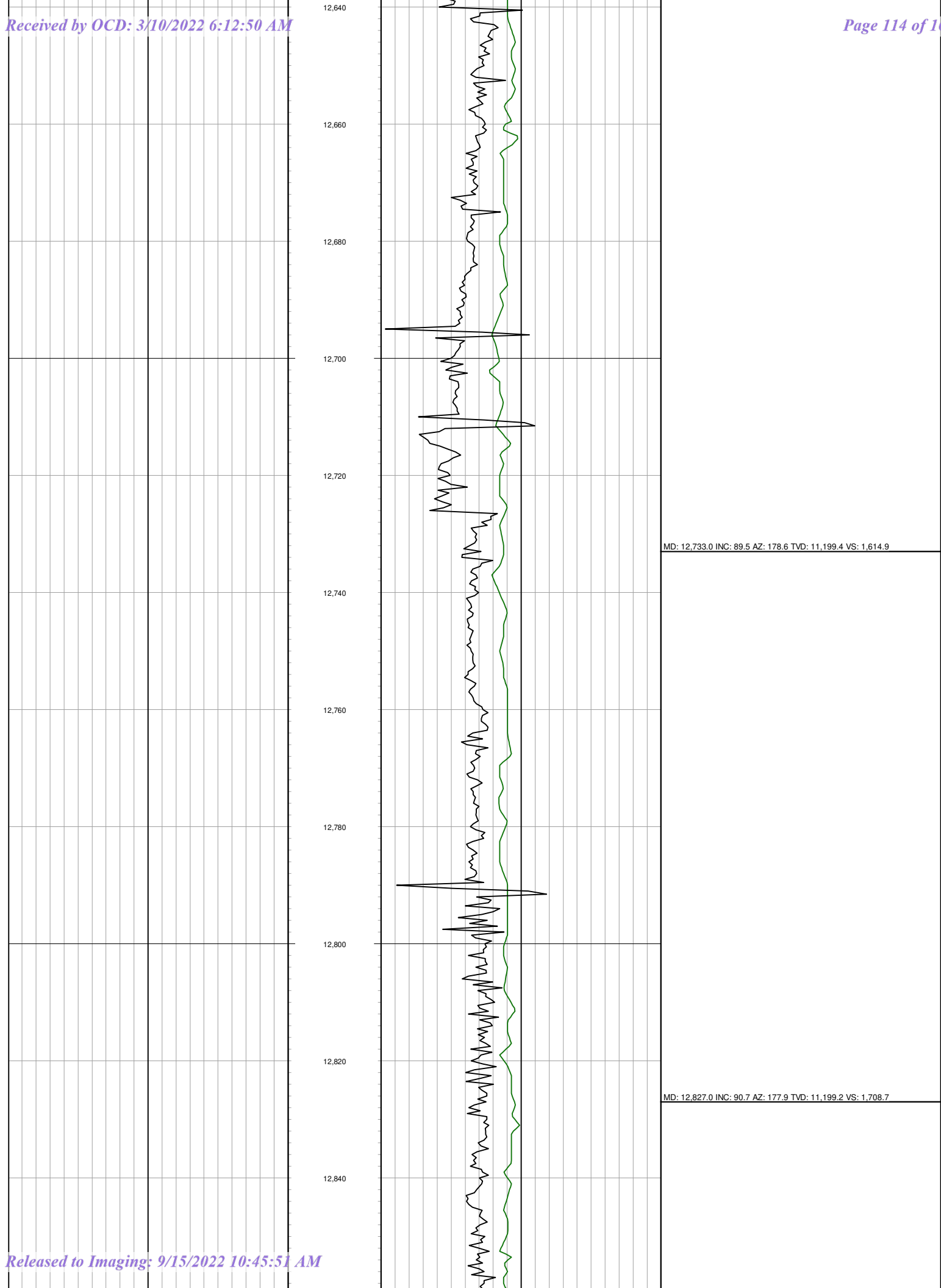


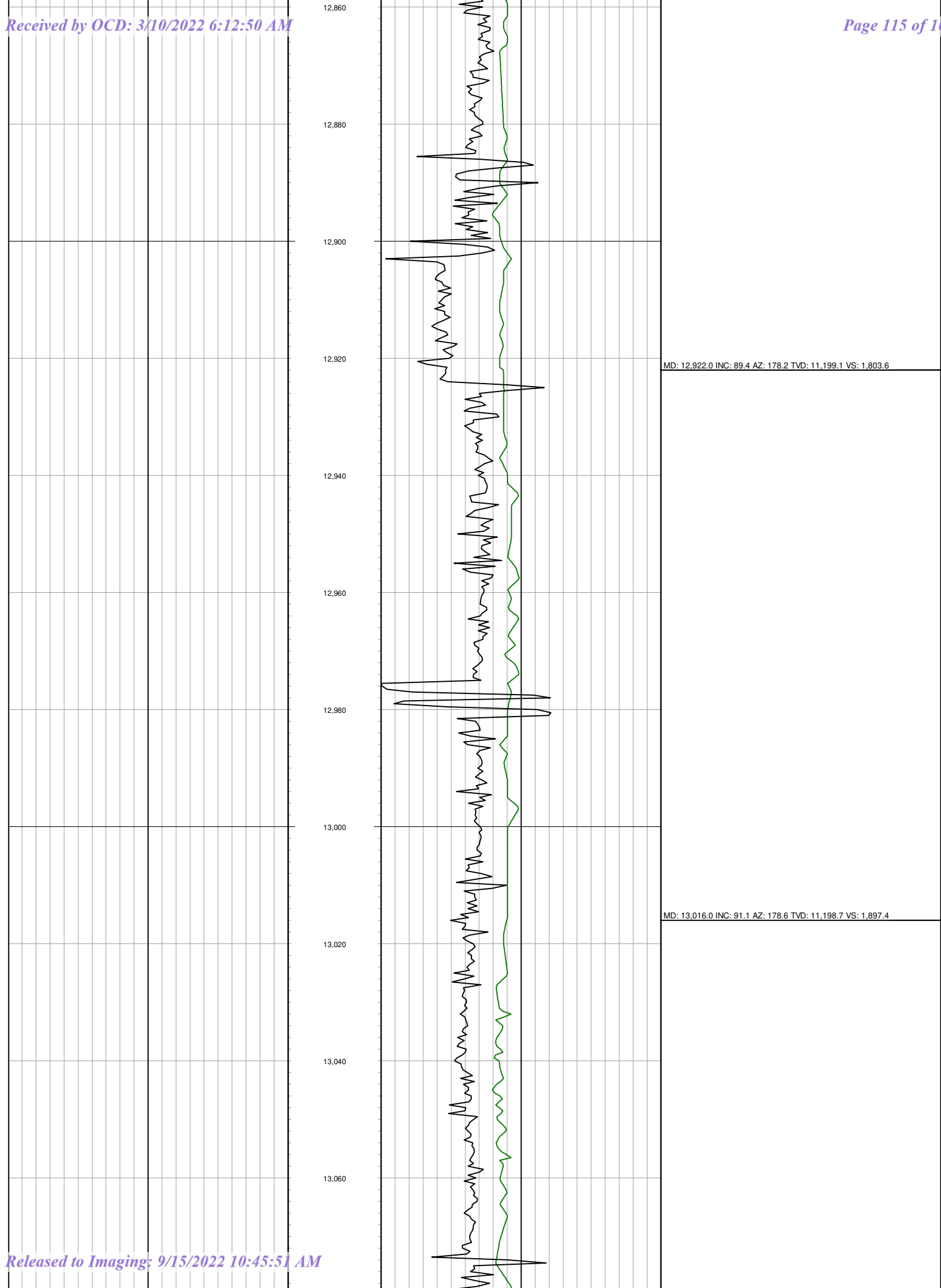
MD: 12,072.0 INC: 91.4 AZ: 180.9 TVD: 11,209.2 VS: 955.0

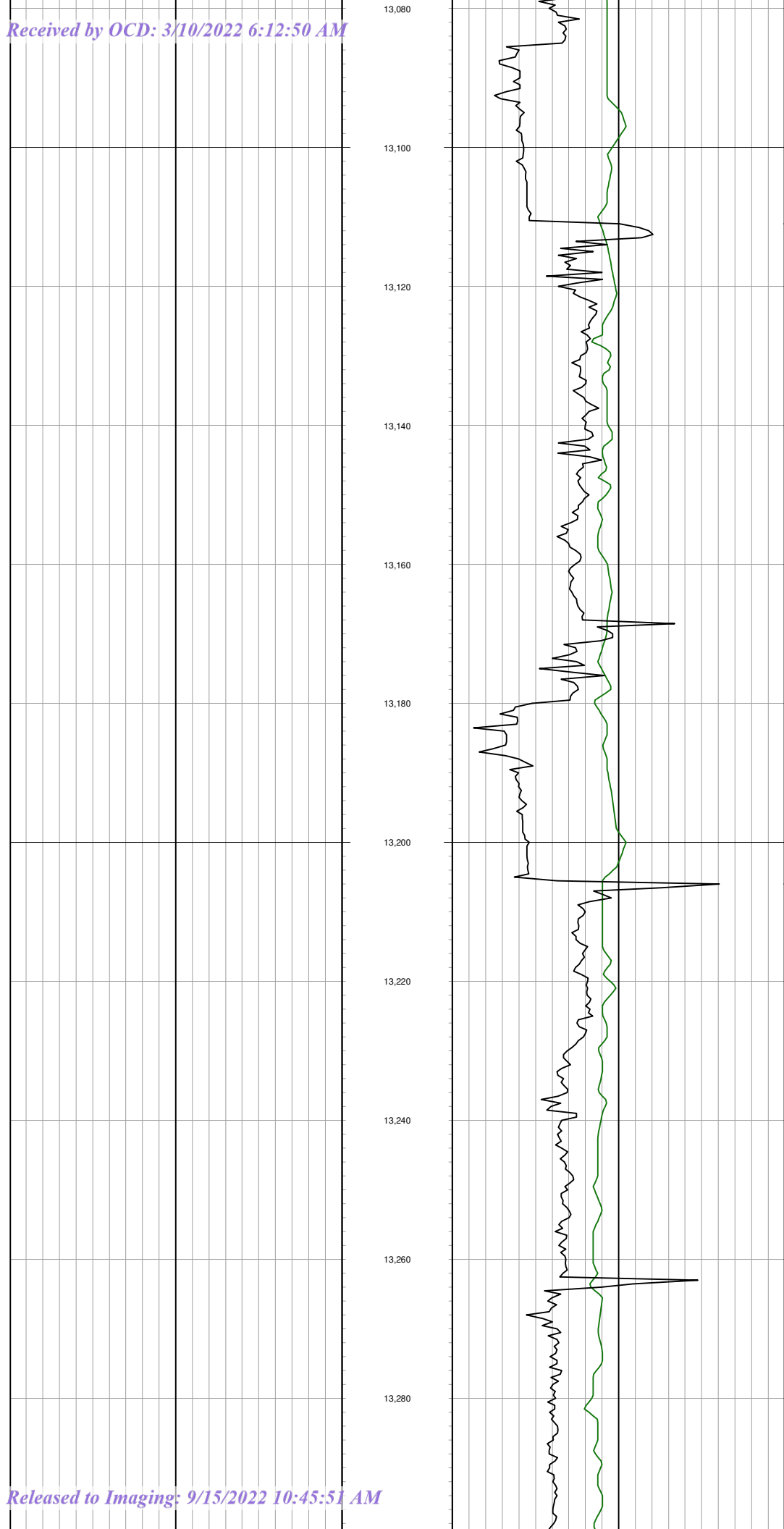
MD: 12,166.0 INC: 90.4 AZ: 181.6 TVD: 11,207.8 VS: 1,048.9





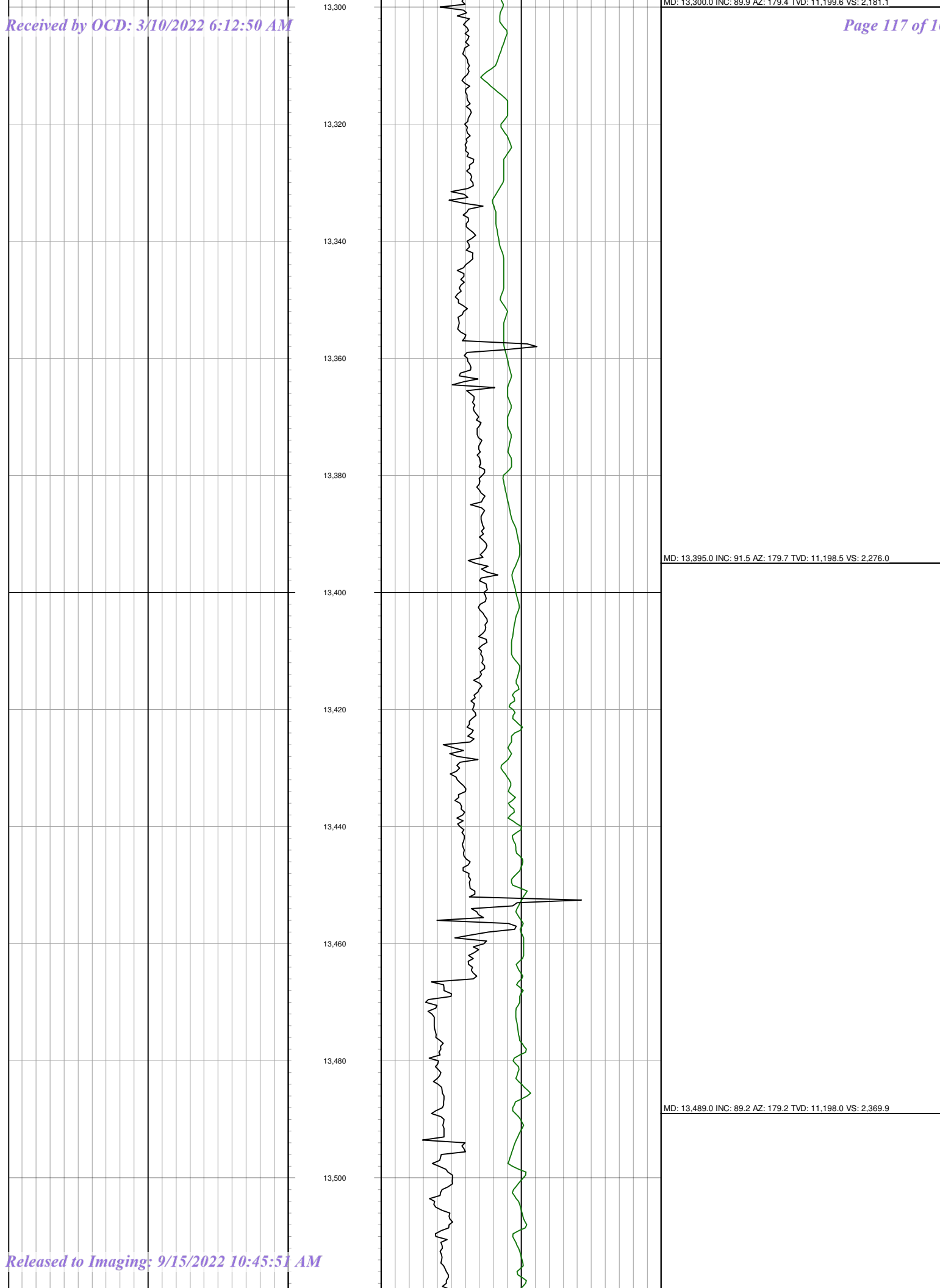


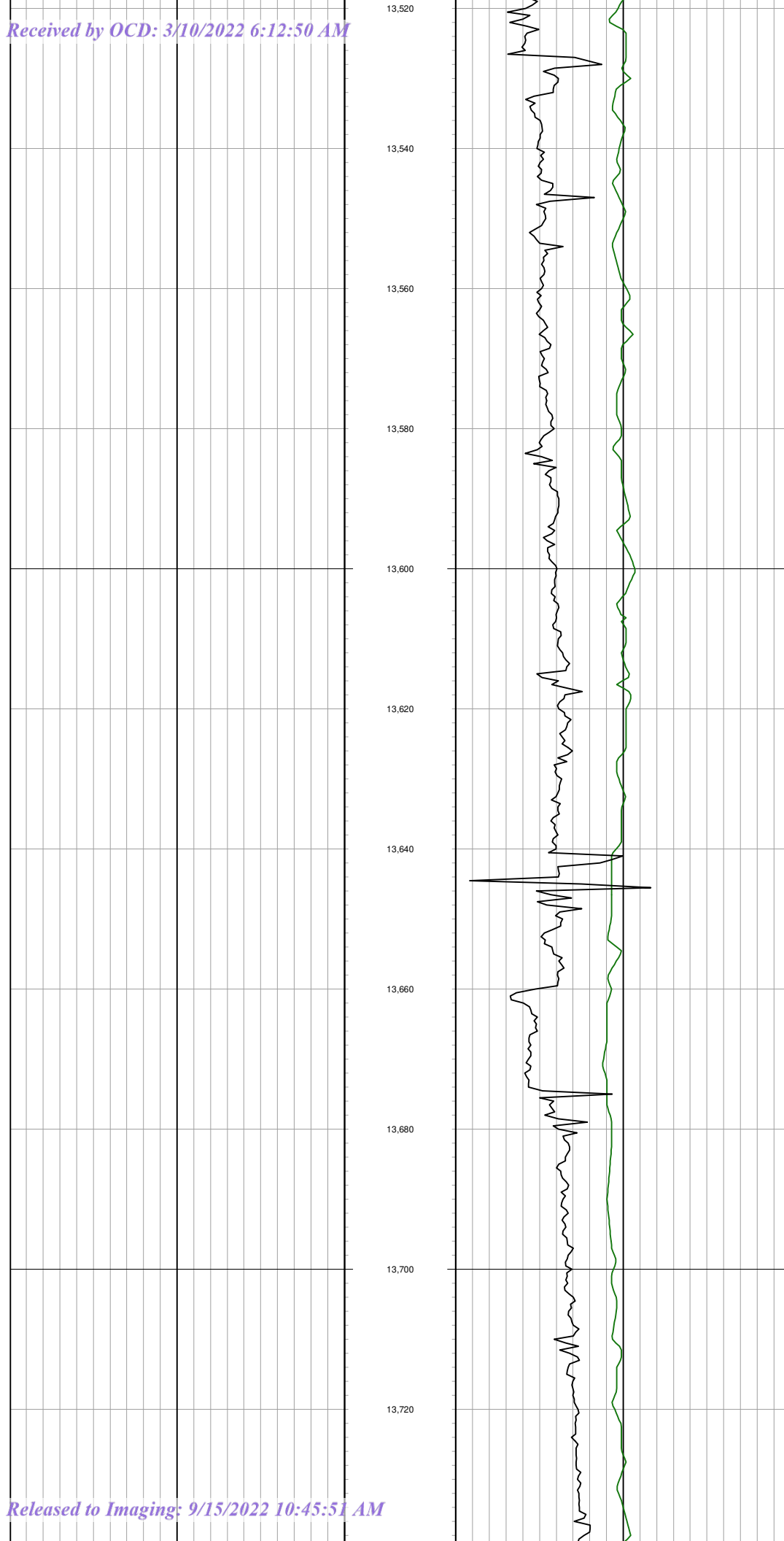


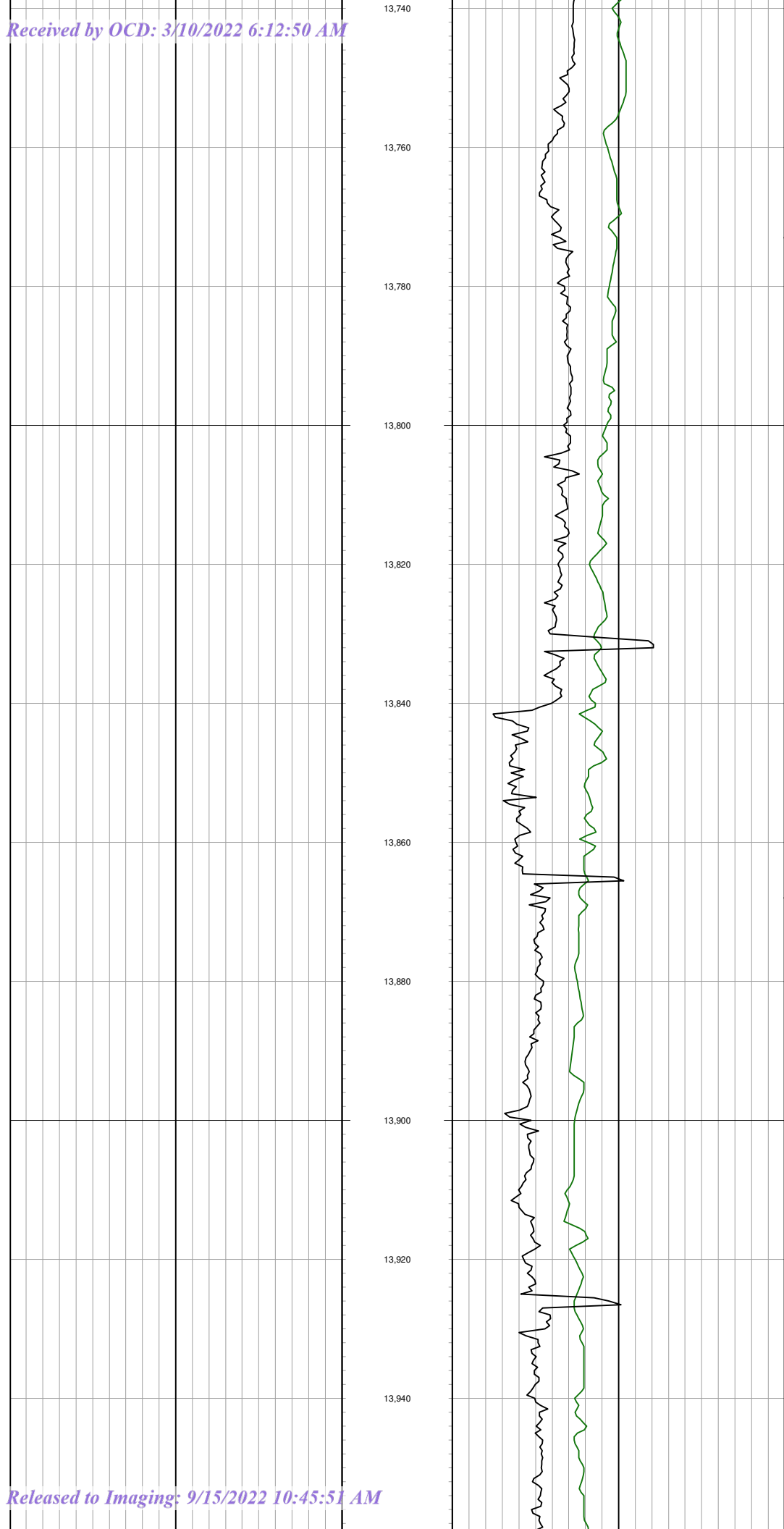


MD: 13,111.0 INC: 90.3 AZ: 178.8 TVD: 11,197.6 VS: 1,992.3

MD: 13,206.0 INC: 88.7 AZ: 179.1 TVD: 11,198.5 VS: 2,087.2

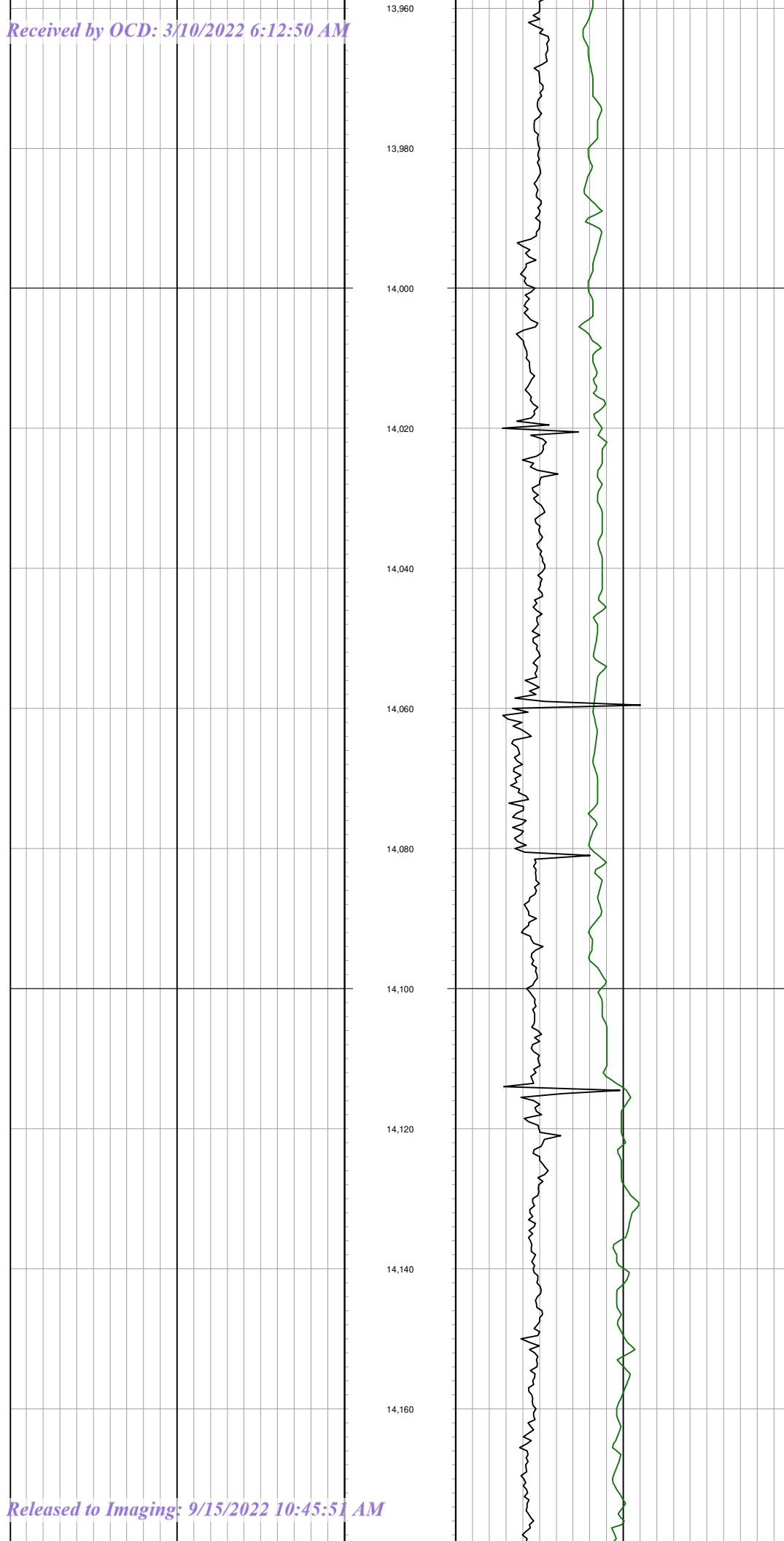






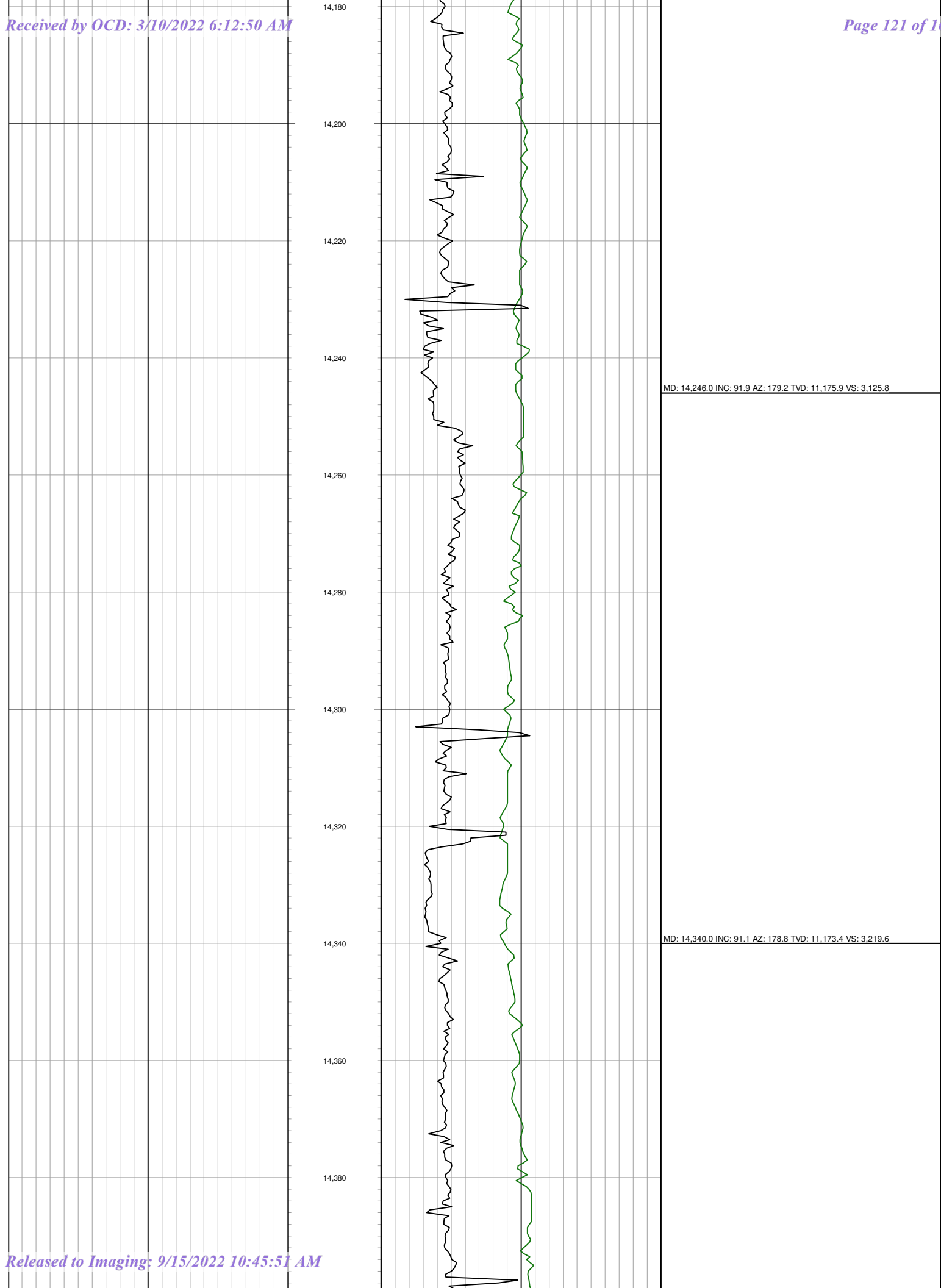
MD: 13,773.0 INC: 93.5 AZ: 179.5 TVD: 11,194.7 VS: 2,653.6

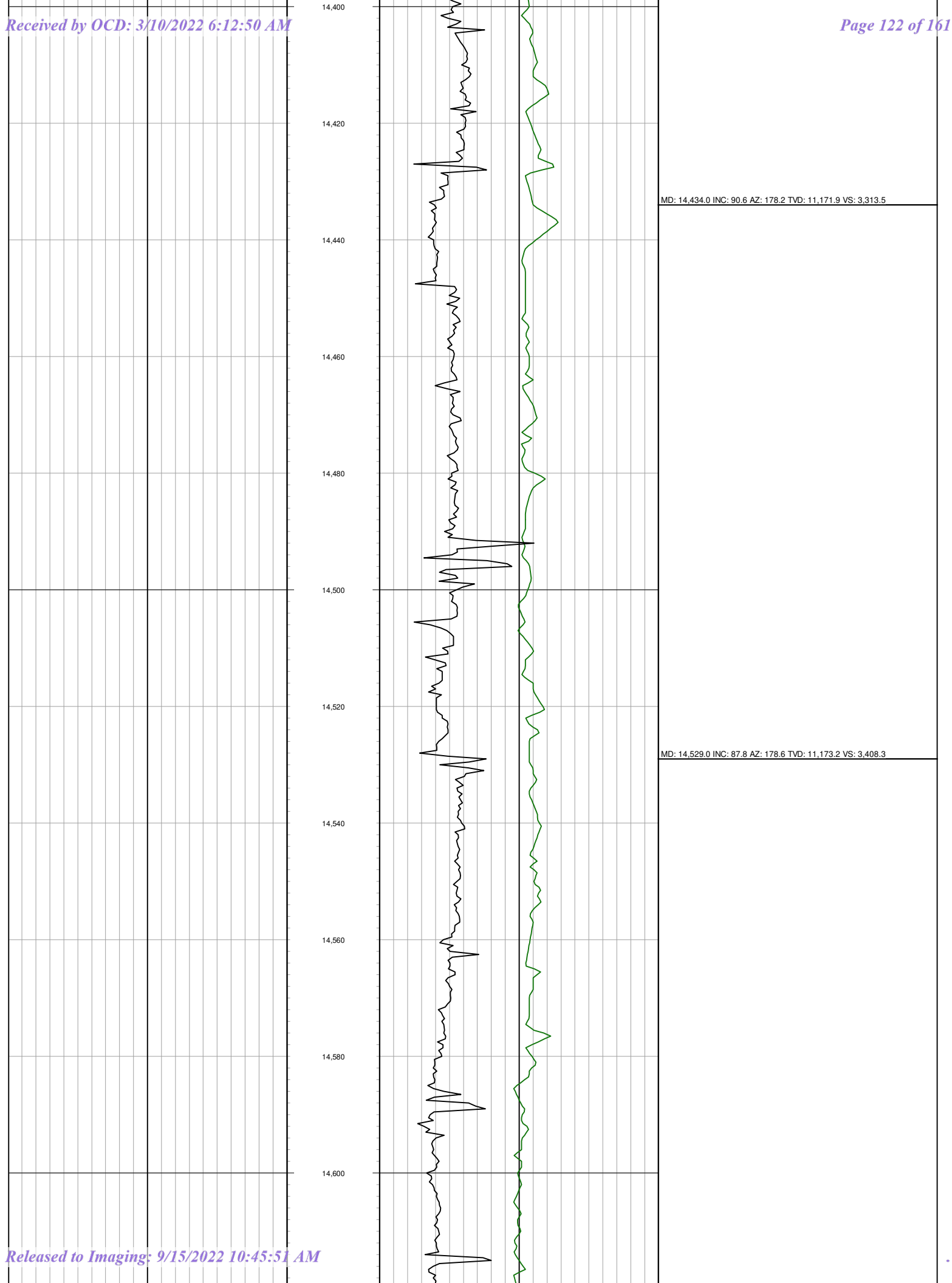
MD: 13,868.0 INC: 91.4 AZ: 179.0 TVD: 11,190.6 VS: 2,748.4



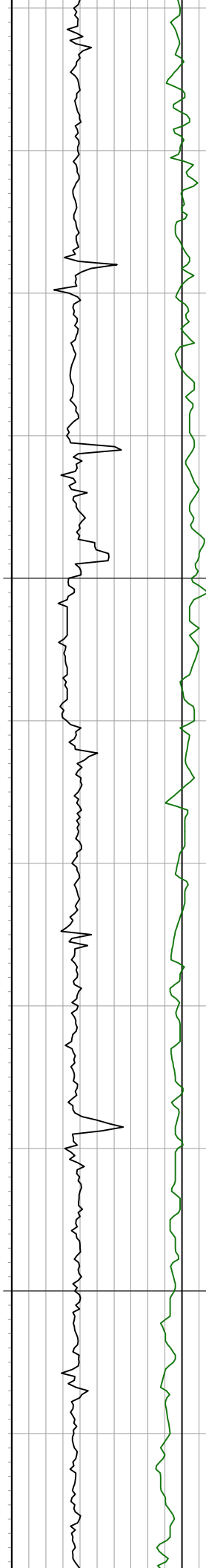
MD: 14.057.0 INC: 92.7 AZ: 178.8 TVD: 11,183.4 VS: 2.937.1

MD: 14.151.0 INC: 92.3 AZ: 179.3 TVD: 11,179.3 VS: 3.030.9



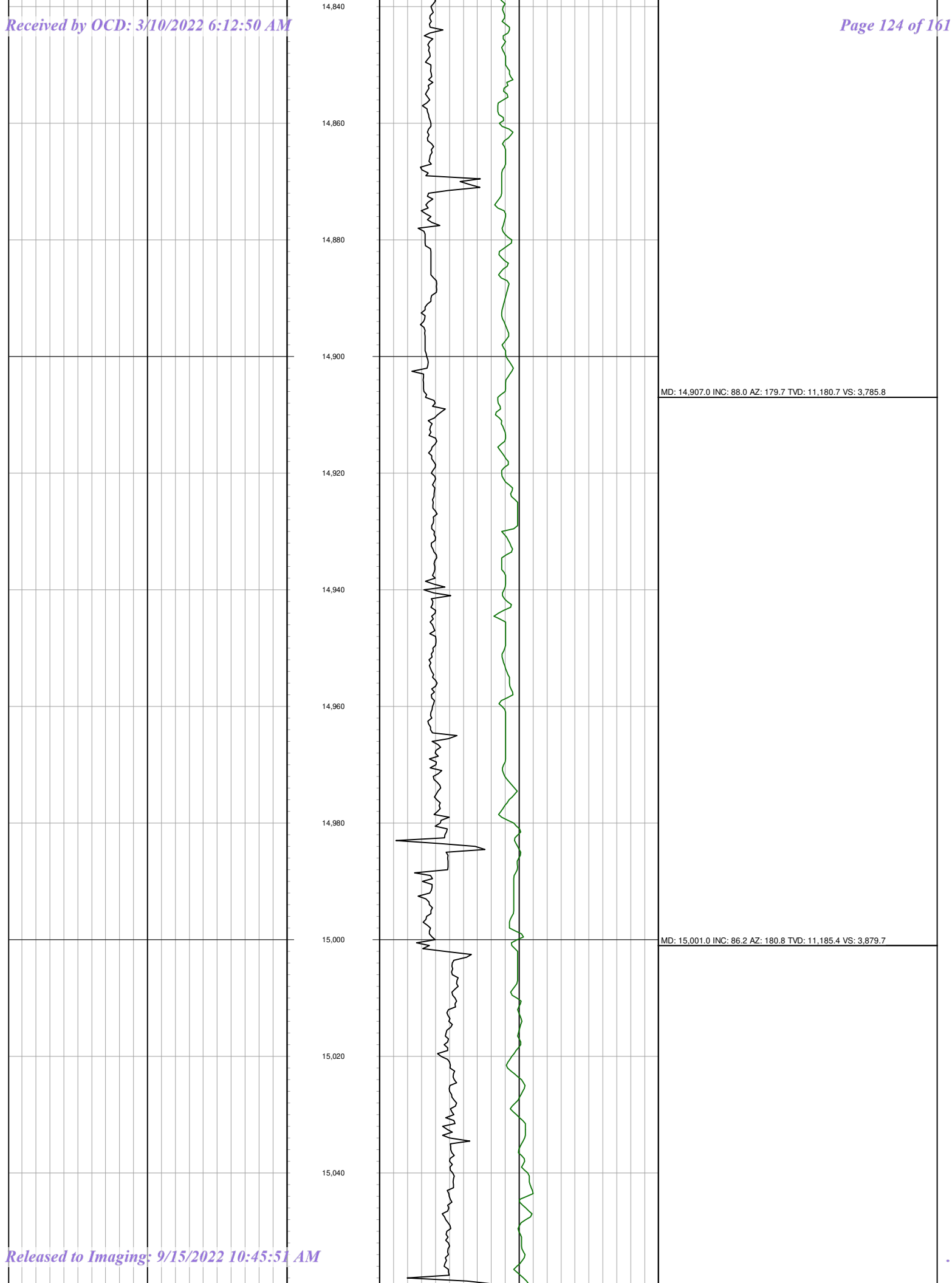


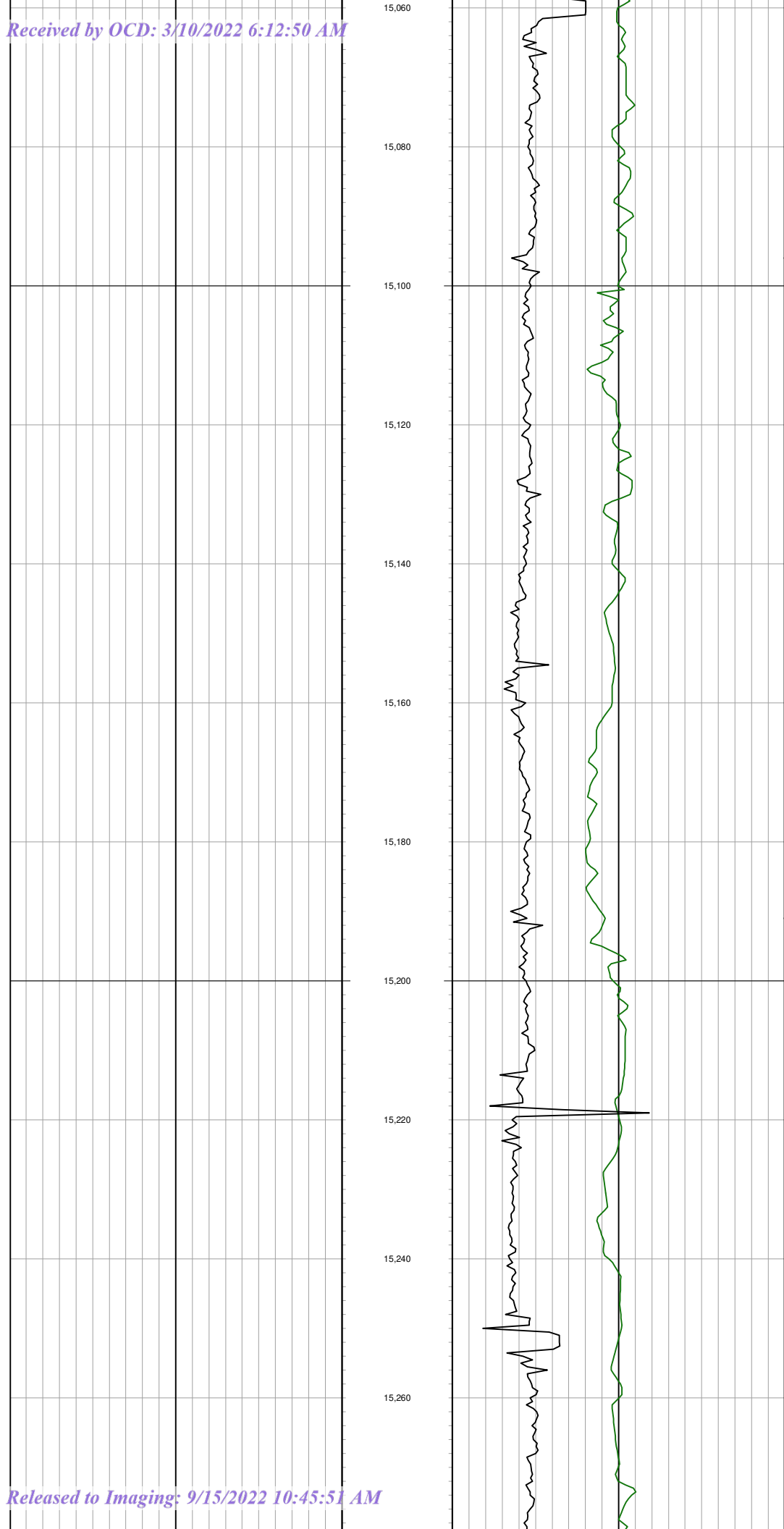
14,620
14,640
14,660
14,680
14,700
14,720
14,740
14,760
14,780
14,800
14,820



MD: 14,718.0 INC: 88.6 AZ: 178.9 TVD: 11,177.2 VS: 3.597.1

MD: 14,812.0 INC: 89.6 AZ: 179.0 TVD: 11,178.7 VS: 3.690.9



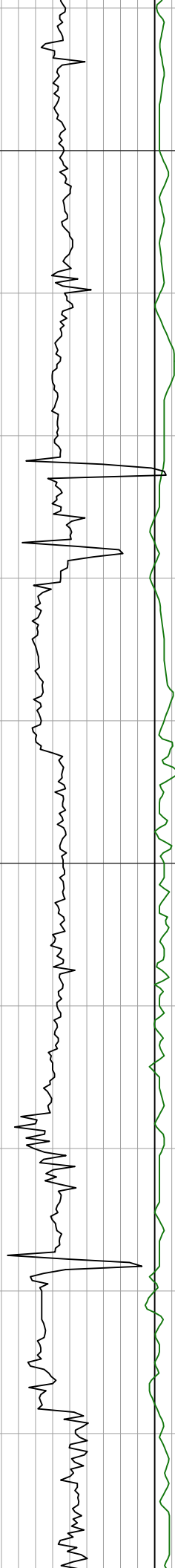


MD: 15,096.0 INC: 86.9 AZ: 180.4 TVD: 11,191.1 VS: 3,974.5

MD: 15,191.0 INC: 87.7 AZ: 180.2 TVD: 11,195.6 VS: 4,069.4

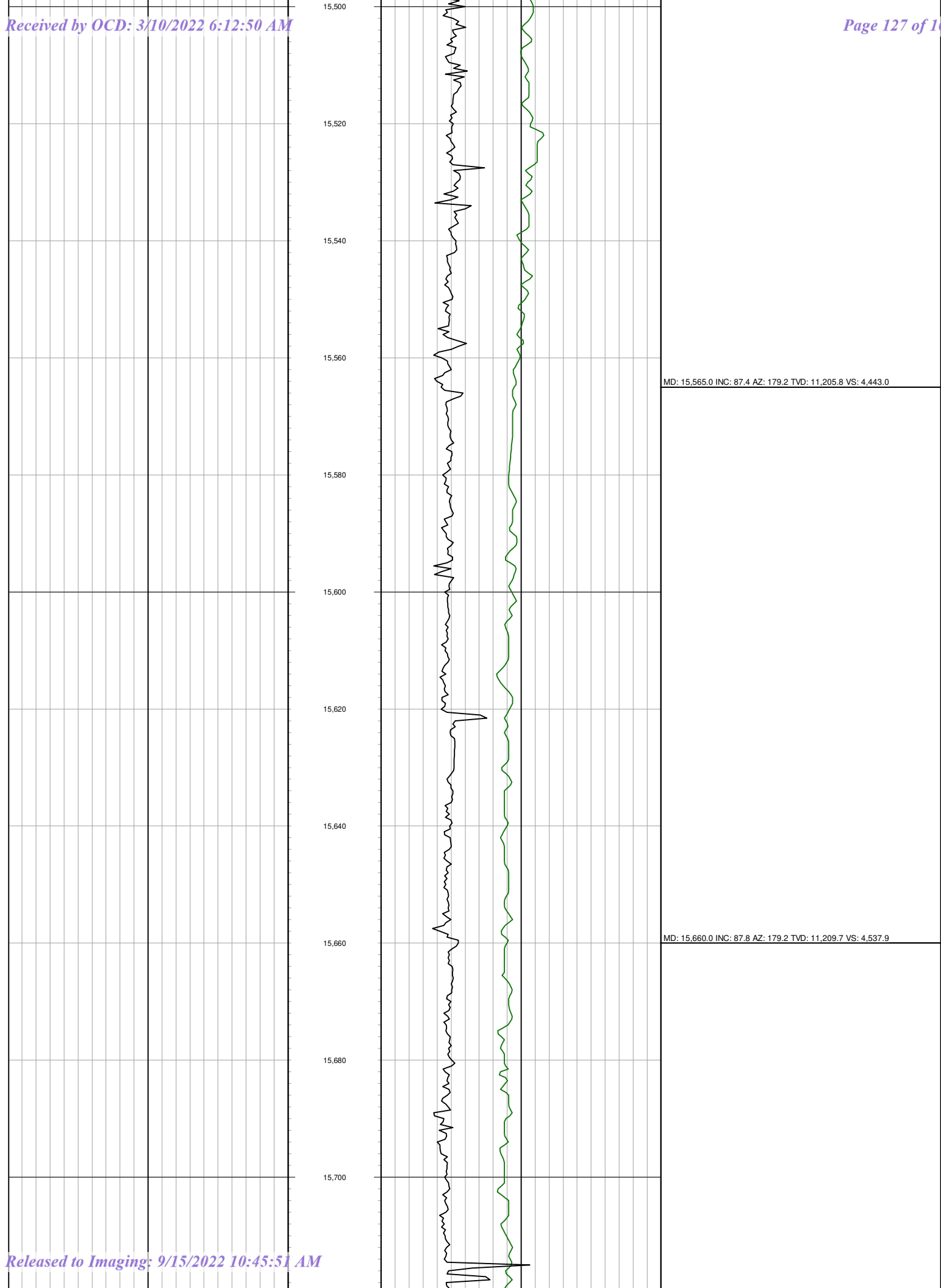
MD: 15,286.0 INC: 90.1 AZ: 179.9 TVD: 11,197.3 VS: 4,164.3

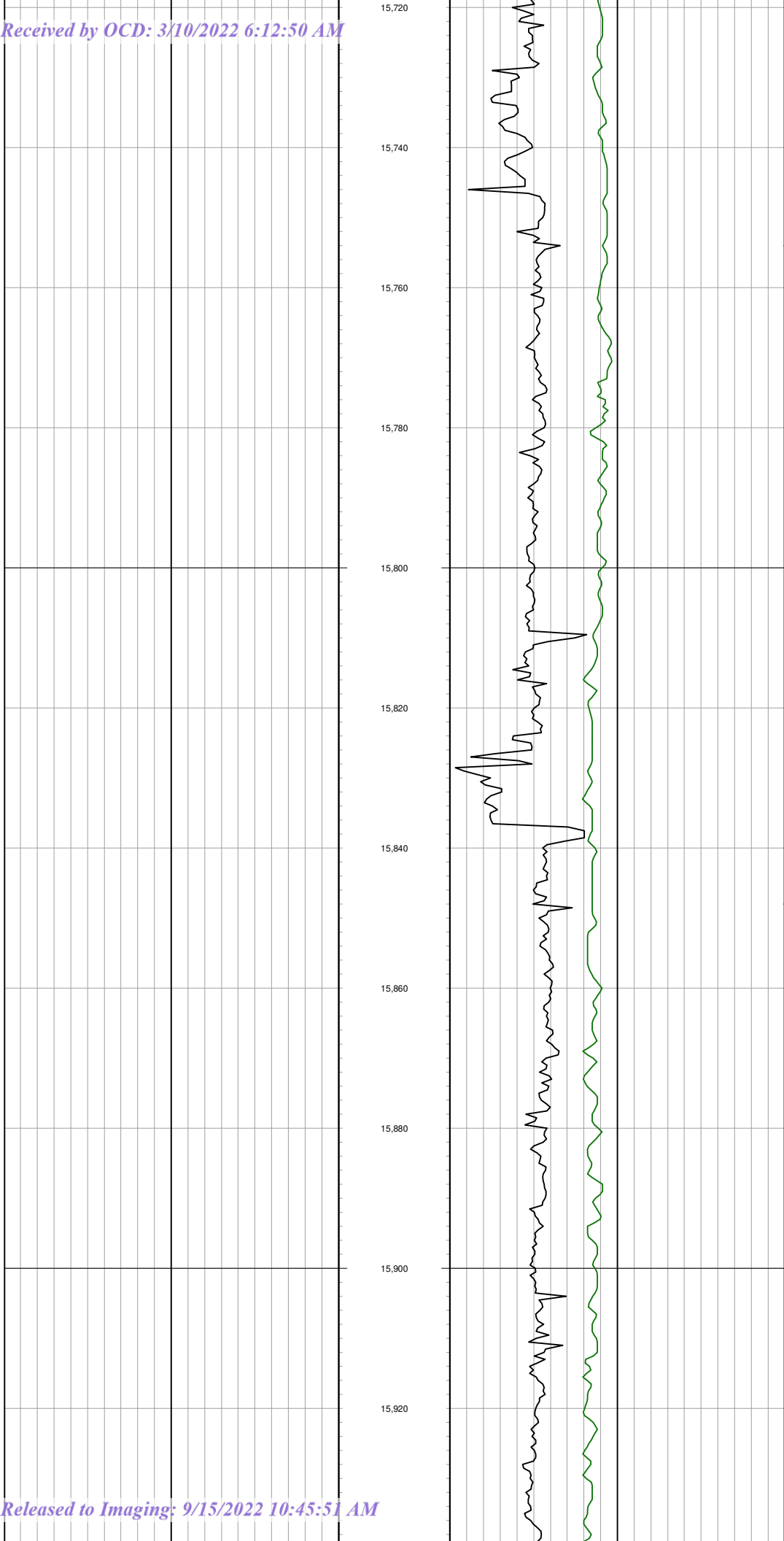
15,280
15,300
15,320
15,340
15,360
15,380
15,400
15,420
15,440
15,460
15,480



MD: 15,377.0 INC: 89.0 AZ: 179.9 TVD: 11,198.0 VS: 4,255.3

MD: 15,471.0 INC: 87.1 AZ: 179.6 TVD: 11,201.3 VS: 4,349.2





MD: 15,754.0 INC: 86.2 AZ: 180.1 TVD: 11,214.7 VS: 4,631.7

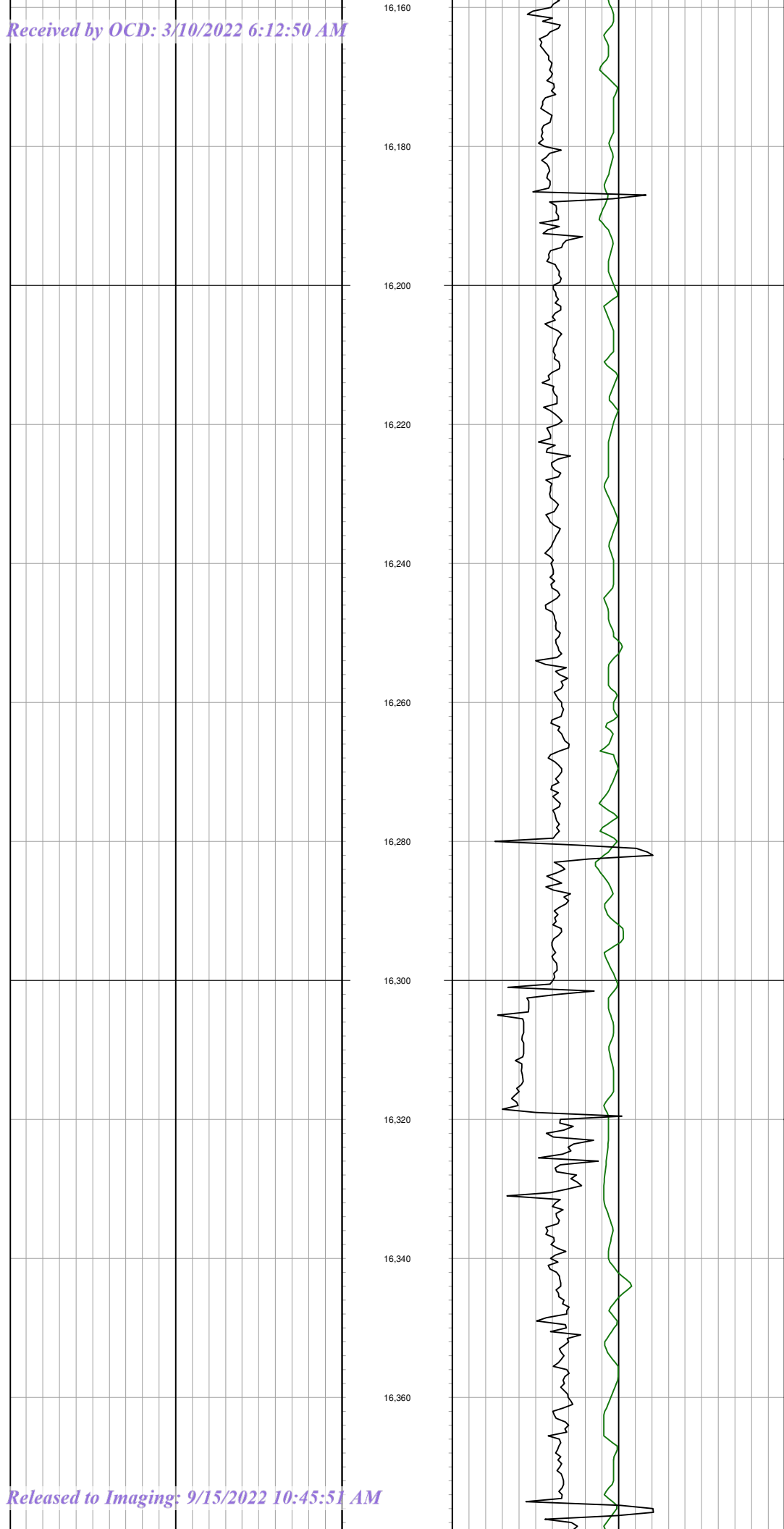
MD: 15,848.0 INC: 87.2 AZ: 179.9 TVD: 11,220.1 VS: 4,725.5

15,940
15,960
15,980
16,000
16,020
16,040
16,060
16,080
16,100
16,120
16,140



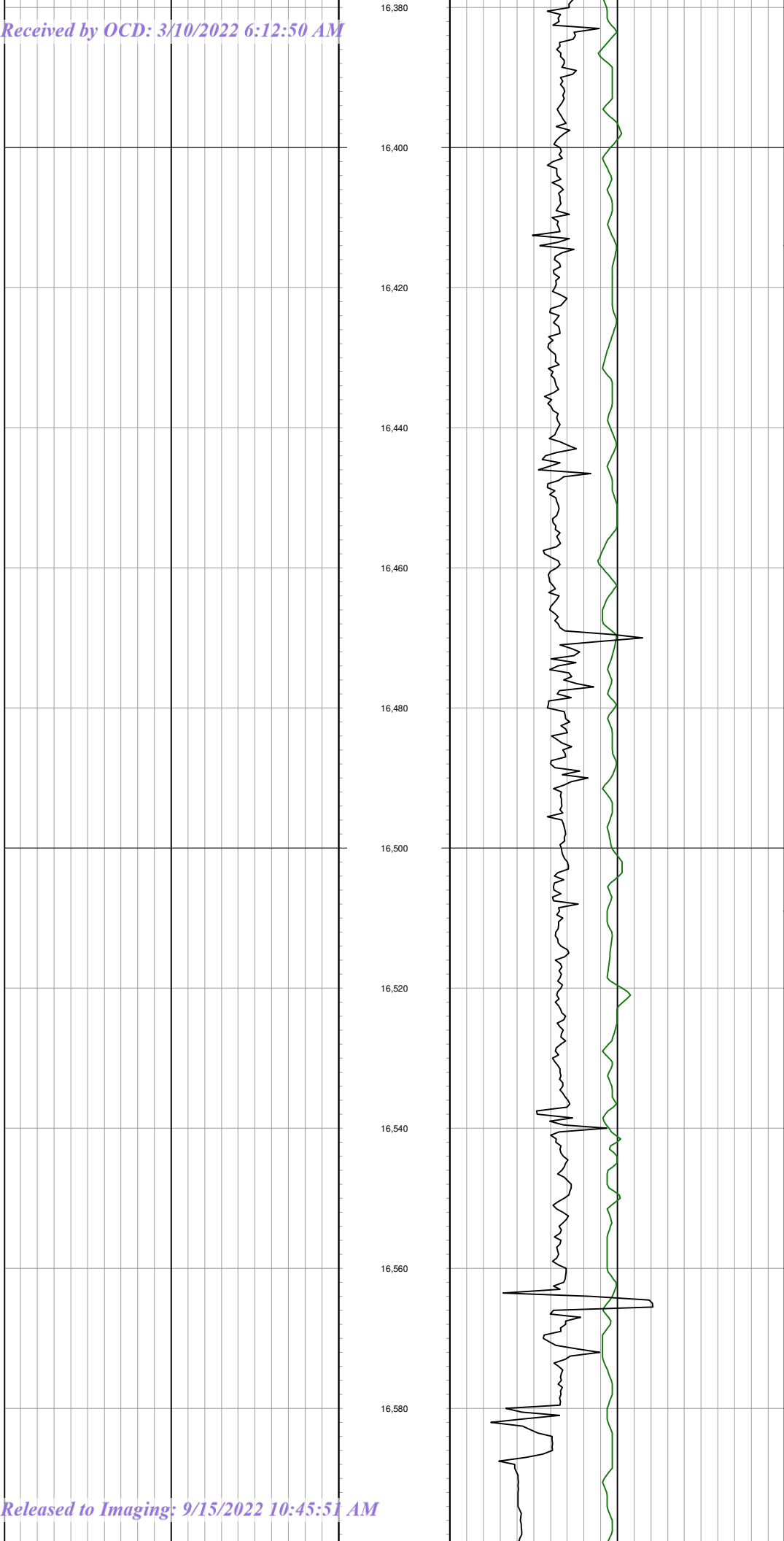
MD: 16,036.0 INC: 88.7 AZ: 179.1 TVD: 11,226.4 VS: 4,913.2

MD: 16,131.0 INC: 89.1 AZ: 178.8 TVD: 11,228.2 VS: 5,008.1



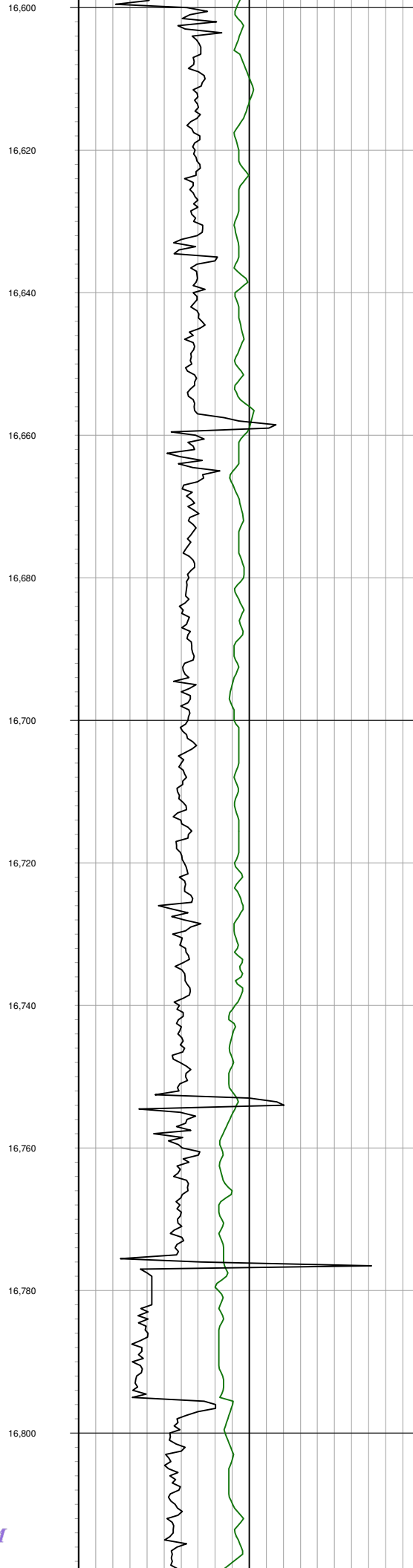
MD: 16,225.0 INC: 90.0 AZ: 178.5 TVD: 11,228.9 VS: 5,102.0

MD: 16,320.0 INC: 89.1 AZ: 179.5 TVD: 11,229.6 VS: 5,196.9



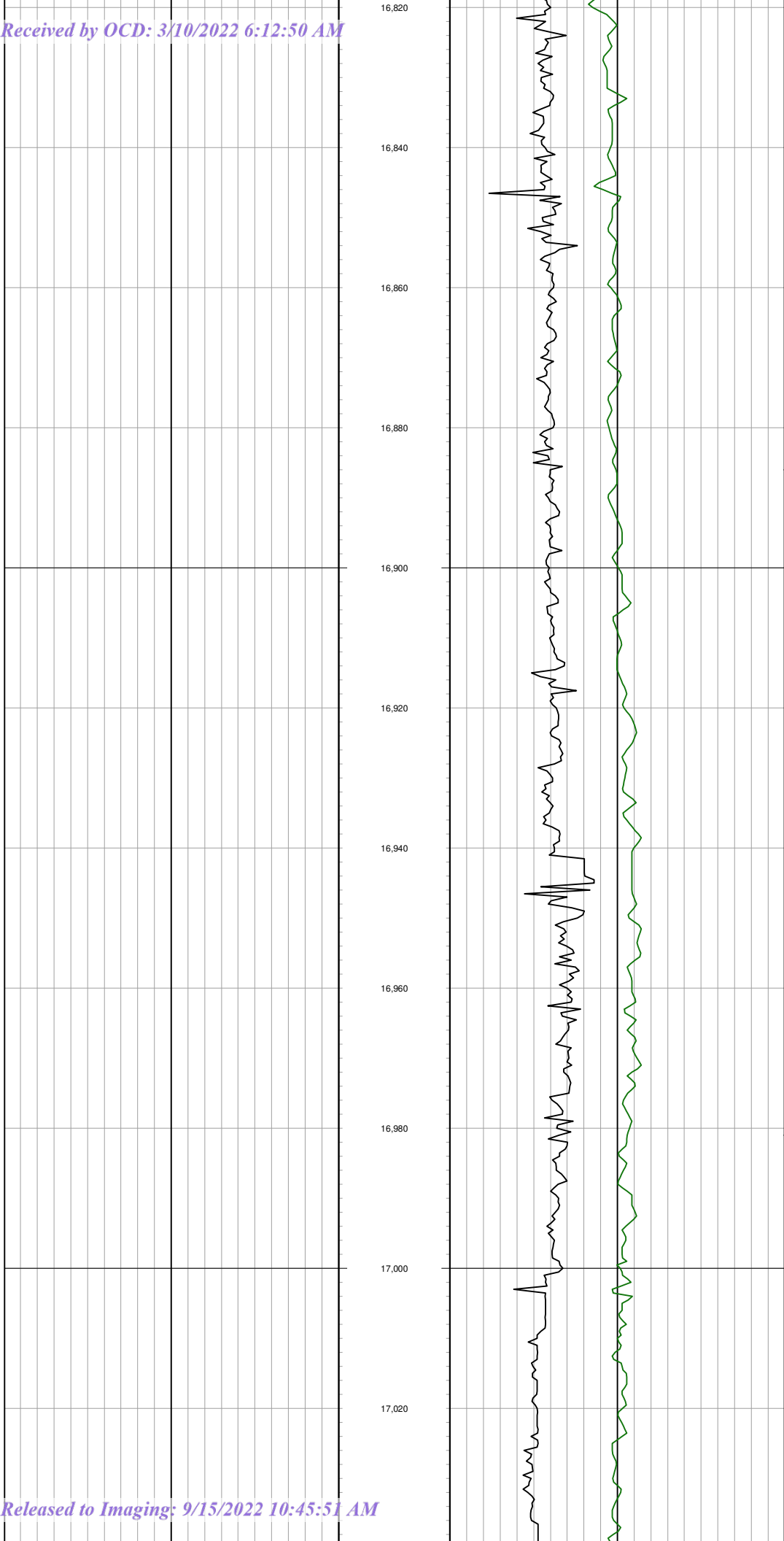
MD: 16,414.0 INC: 89.3 AZ: 179.7 TVD: 11,230.9 VS: 5,290.8

MD: 16,509.0 INC: 90.3 AZ: 179.0 TVD: 11,231.2 VS: 5,385.8



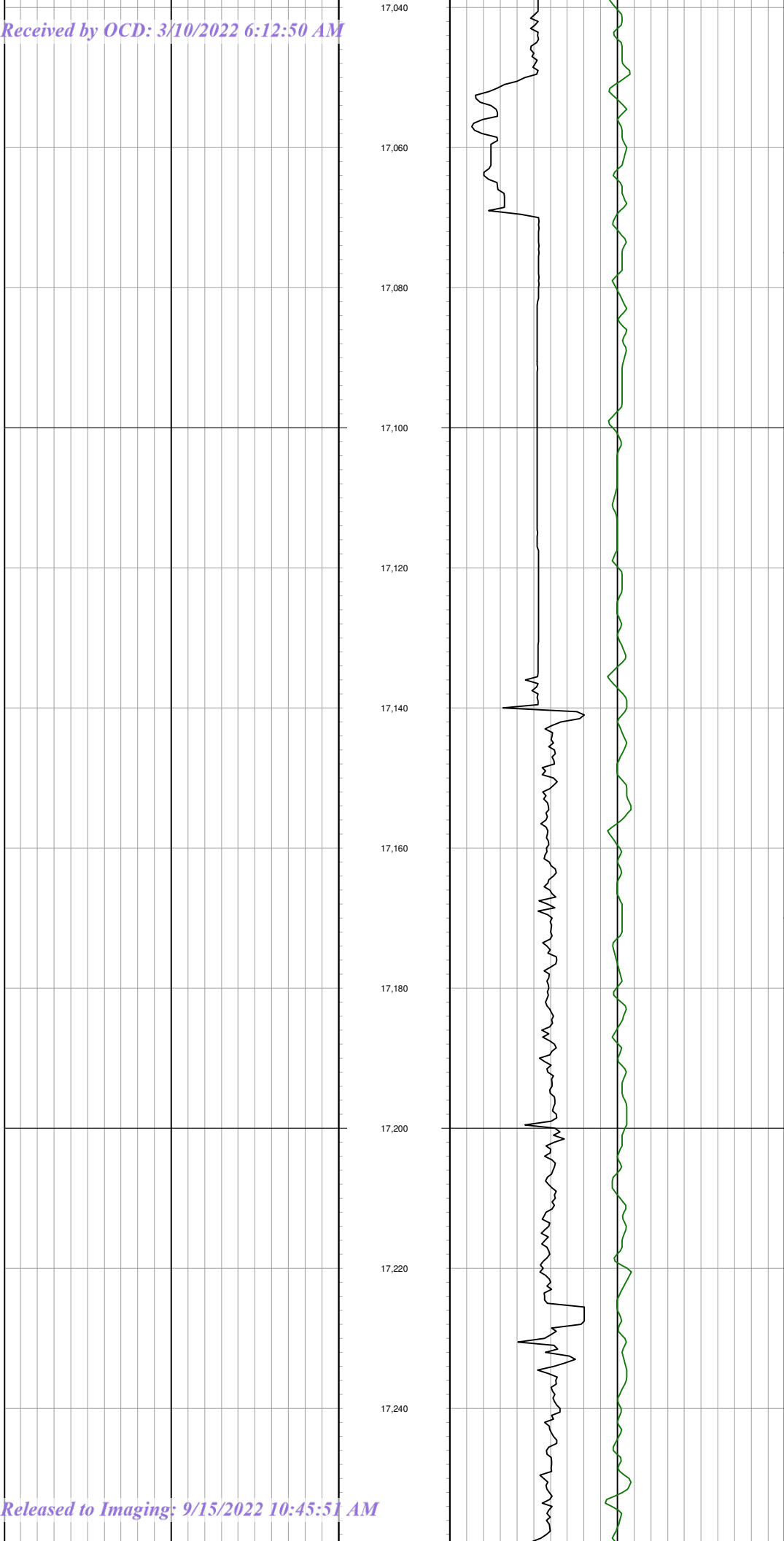
MD: 16,697.0 INC: 89.8 AZ: 179.0 TVD: 11,232.8 VS: 5,573.6

MD: 16,792.0 INC: 87.9 AZ: 179.1 TVD: 11,234.7 VS: 5,668.5



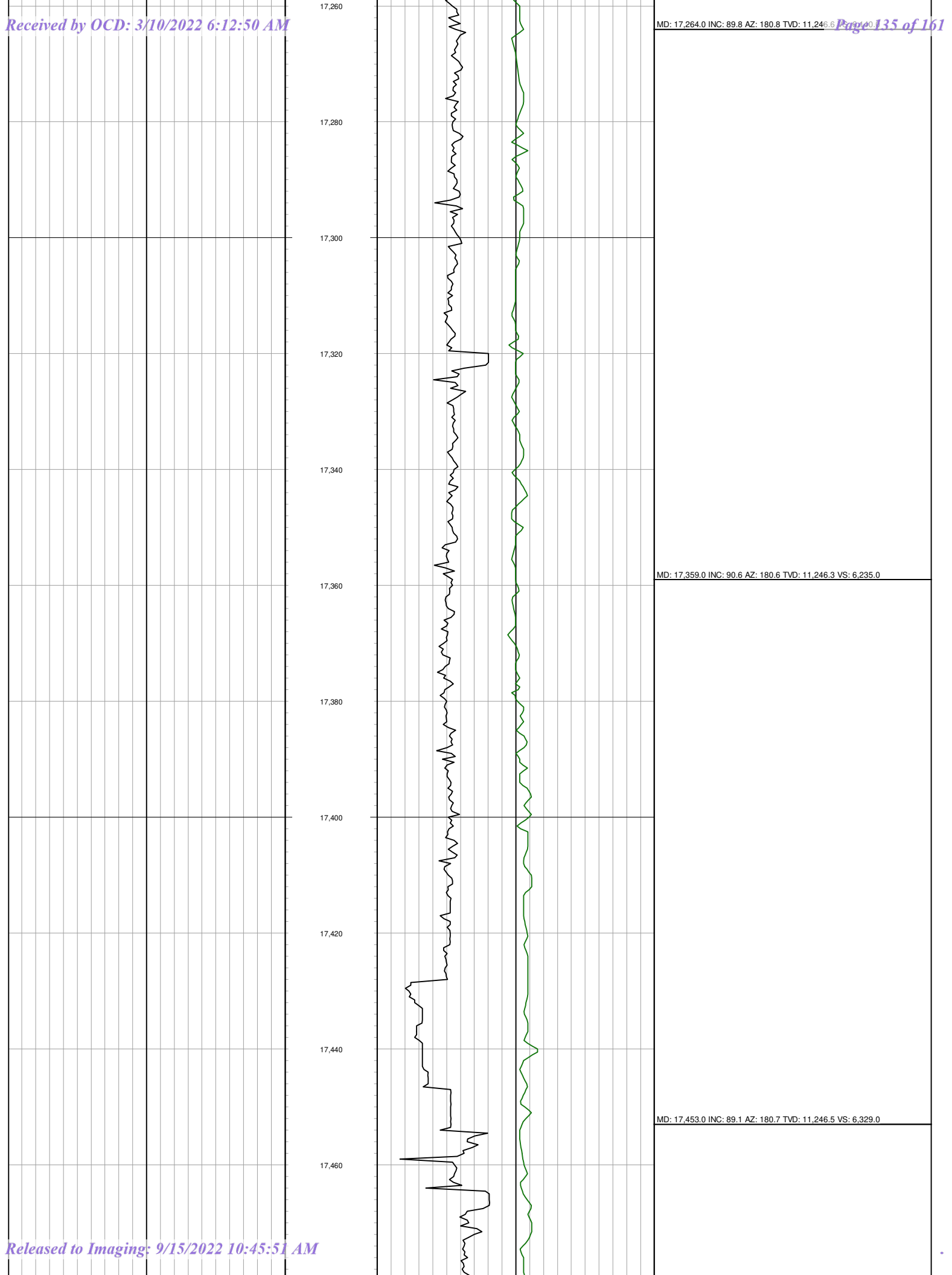
MD: 16,886.0 INC: 88.0 AZ: 179.0 TVD: 11,238.1 VS: 5,762.3

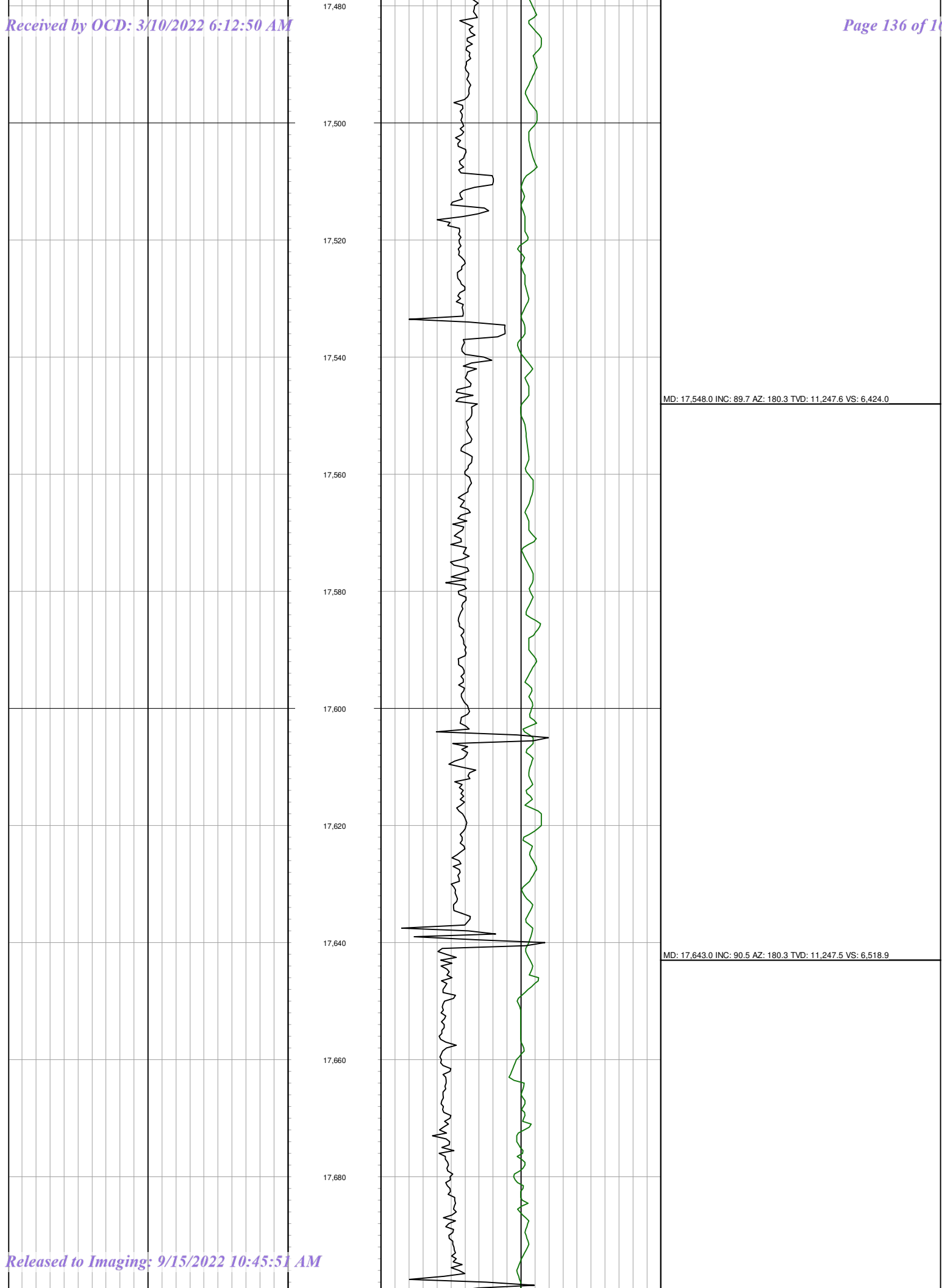
MD: 16,981.0 INC: 88.9 AZ: 178.6 TVD: 11,240.7 VS: 5,857.2

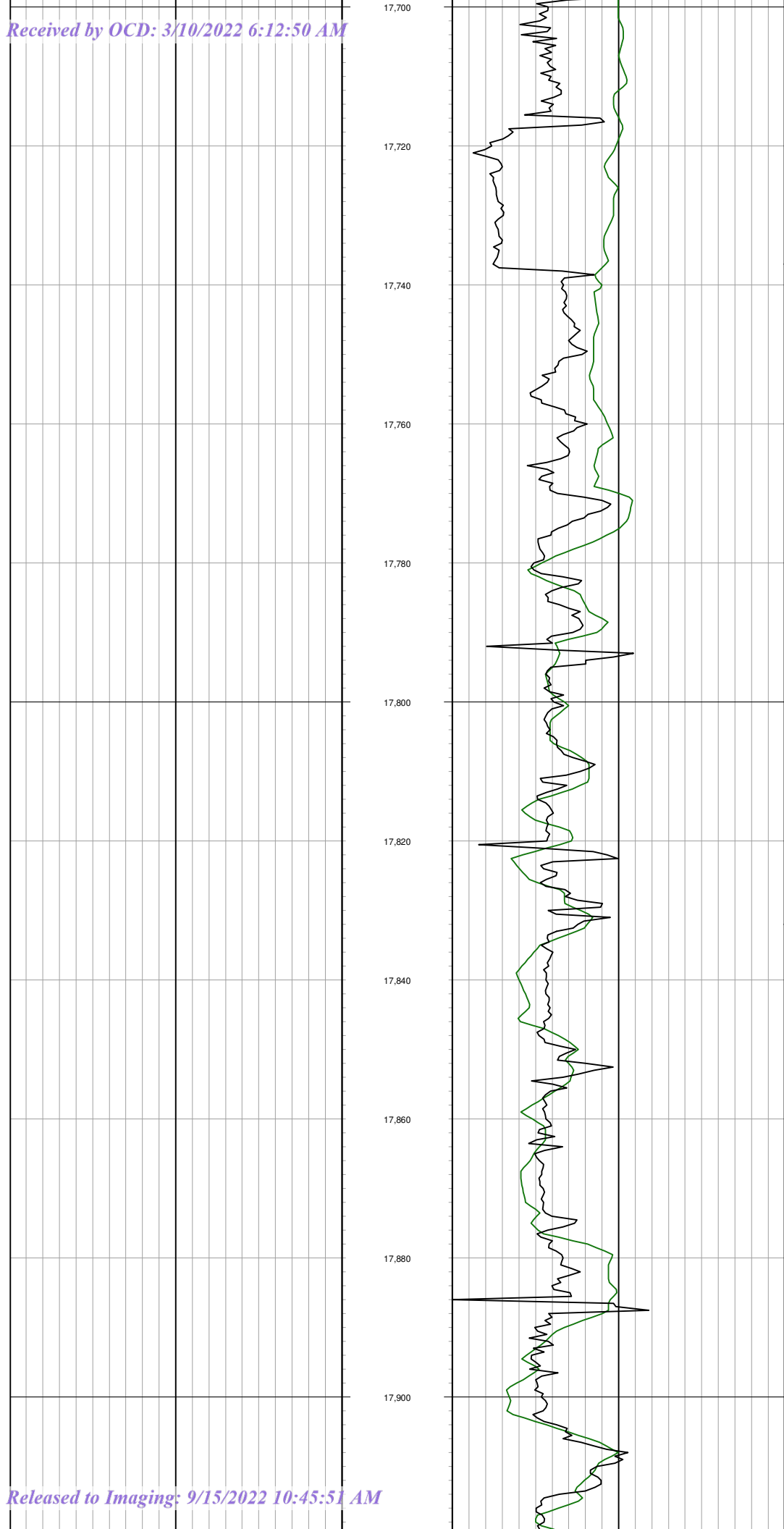


MD: 17,075.0 INC: 88.1 AZ: 180.0 TVD: 11,243.1 VS: 5,951.1

MD: 17,170.0 INC: 89.0 AZ: 180.5 TVD: 11,245.6 VS: 6,046.0





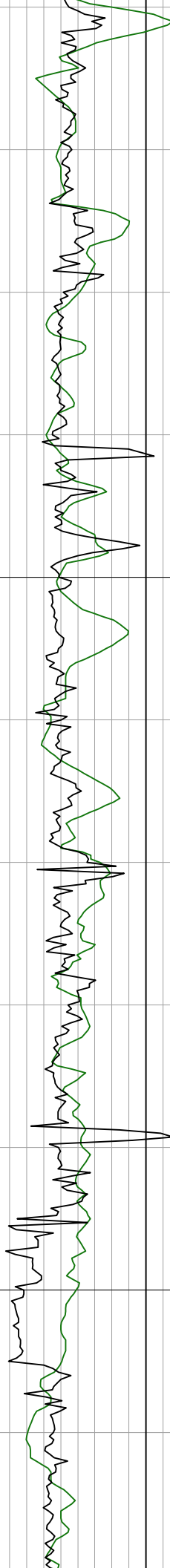


MD: 17.737.0 INC: 88.7 AZ: 179.5 TVD: 11,248.2 VS: 6,612.9

MD: 17.832.0 INC: 87.9 AZ: 179.5 TVD: 11,251.0 VS: 6,707.8

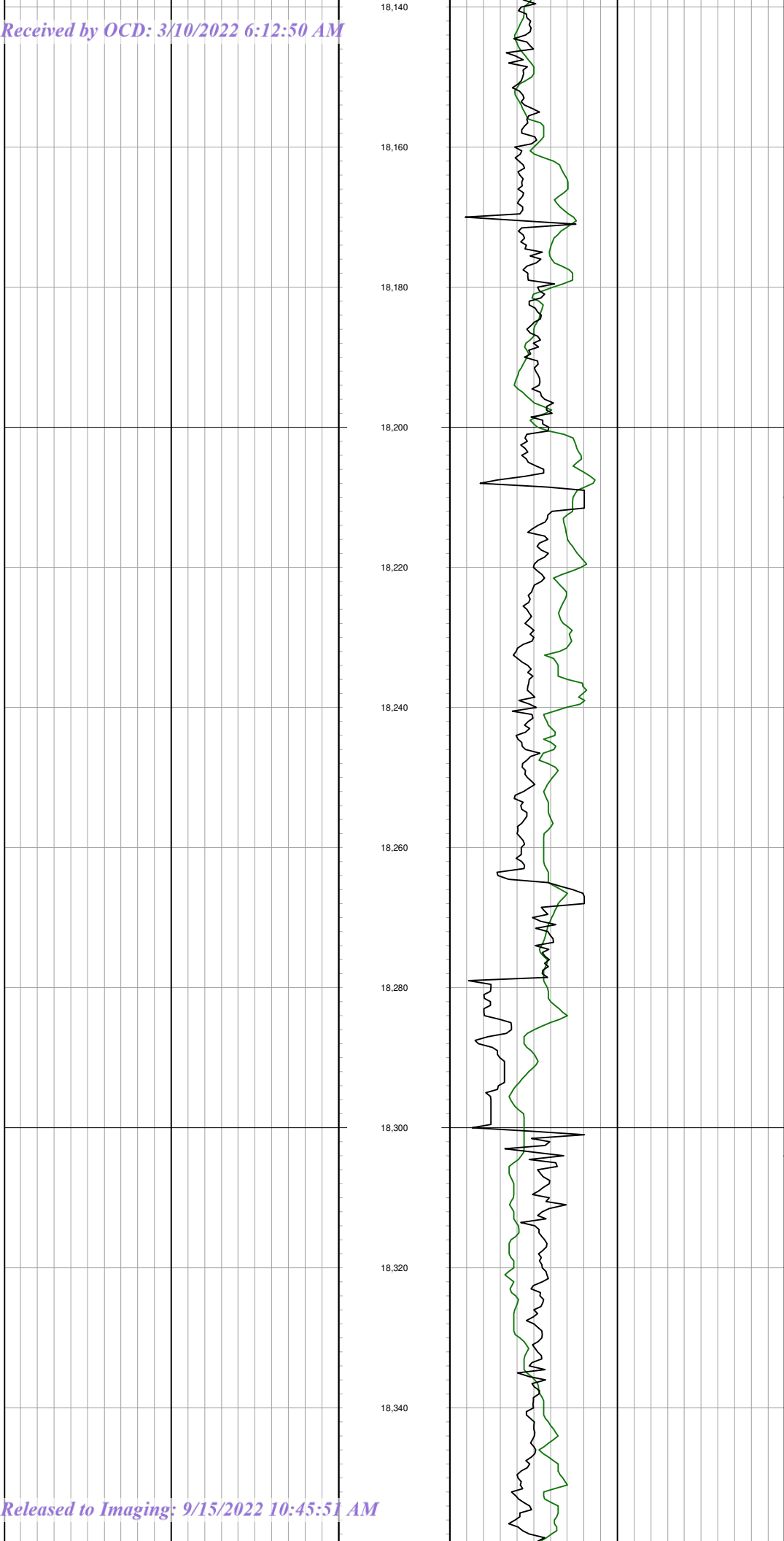
MD: 17,926.0 INC: 88.5 AZ: 179.4 TVD: 11,253.9 VS: 6,891.7

17,920
17,940
17,960
17,980
18,000
18,020
18,040
18,060
18,080
18,100
18,120



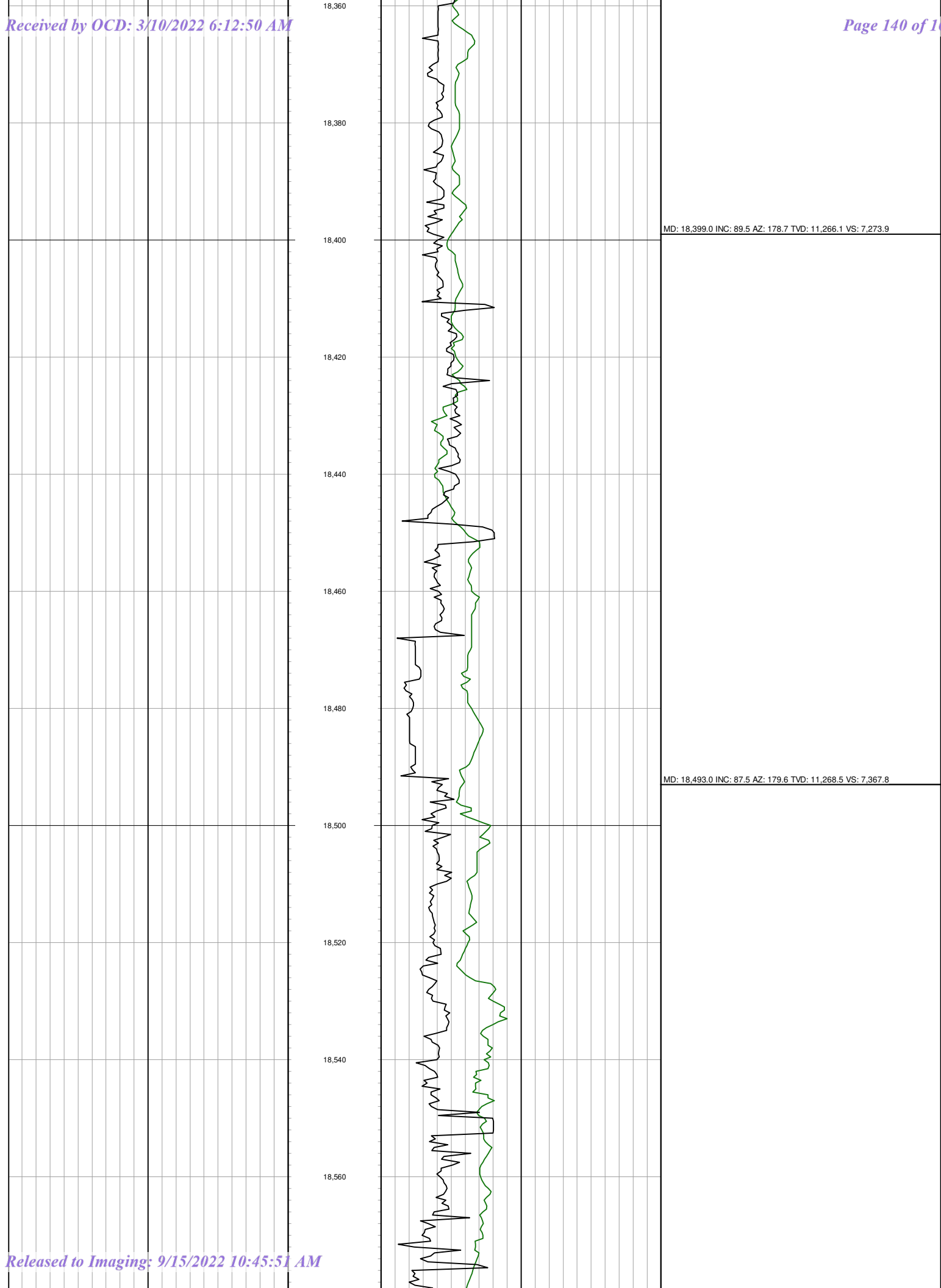
MD: 18,021.0 INC: 89.3 AZ: 179.1 TVD: 11,255.8 VS: 6,896.6

MD: 18,115.0 INC: 87.9 AZ: 178.7 TVD: 11,258.2 VS: 6,990.4



MD: 18,210.0 INC: 88.7 AZ: 178.5 TVD: 11,261.1 VS: 7,085.3

MD: 18,304.0 INC: 87.9 AZ: 178.2 TVD: 11,263.9 VS: 7,179.1

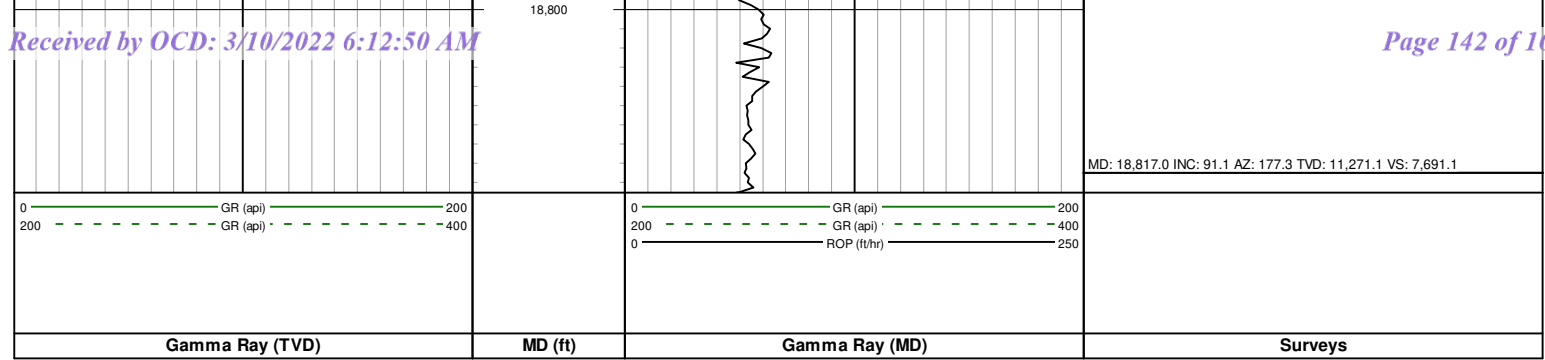


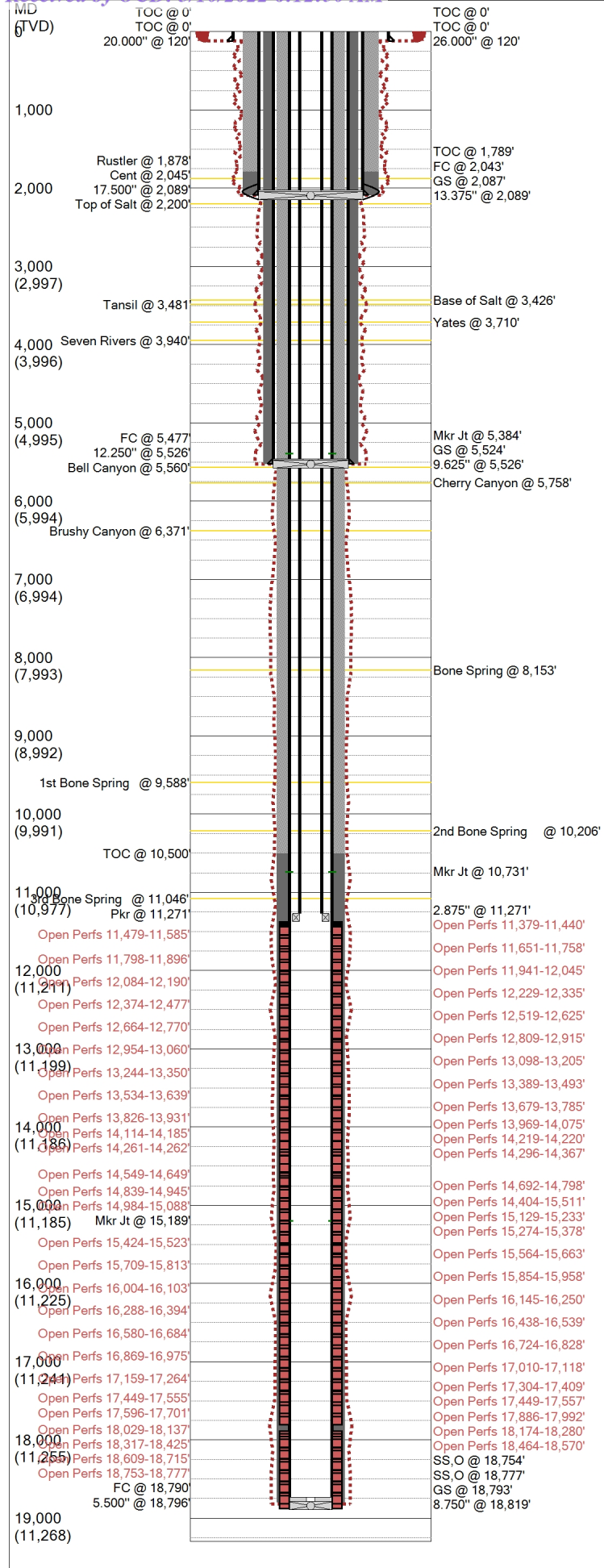
MD: 18,588.0 INC: 88.7 AZ: 178.9 TVD: 11,271.7 VS: 7,462.7

18,580
18,600
18,620
18,640
18,660
18,680
18,700
18,720
18,740
18,760
18,780

MD: 18,682.0 INC: 90.0 AZ: 177.6 TVD: 11,272.8 VS: 7,556.5

MD: 18,765.0 INC: 91.1 AZ: 177.3 TVD: 11,272.0 VS: 7,639.3





Last Updated: 1/3/2022 09:25 AM

Field Name		Lease Name	Well No.
Laguna North		Talon 5-8 Federal	1H
County		State	API No.
Lea		New Mexico	30025474570000
Version		Version Tag	
1		Completed	
GL (ft)	KB (ft)	Section	Township/Block
3,693.0	3,716.0	5	20S
Range/Survey		Footage From	
35E		SECTION	
Operator		Well Status	Latitude
Caza Operating		Completed	32.60910490
Longitude		Comp. Date	
-103.47562836		12/7/2021	
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line
180	FNL	1455	FEL
Prop Num		Spud Date	
328897		6/13/2021	

Additional Information

From south Dal Paso street in Hobbs head west on US-180 towards county road 27-A for 23.6 miles. Turn left onto county road 27-A heading south for 1.9 miles. Turn left onto existing lease road heading east for 0.8 miles. Turn left heading north for 164 feet. Turn right onto access road to the pad heading east for 3 miles.

OGRID	Pool Name and Code	Well Type	Dedicated Acres
249099	WC-025 G-08 S203506D; Bone Spring (97983)	H2, Oil	241.34
Prepared By		Updated By	Last Updated
Steve Morris		Steve Morris	1/3/2022 9:25 AM

Hole Summary

Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	26.000	0	120	
	17.500	120	2,089	
	12.250	2,089	5,526	
	8.750	5,526	18,819	

Tubular Summary

Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
	Conductor Casing	20.000	94.00	H40	0	120
	Surface Casing	13.375	54.50	J55	0	2,089
	Intermediate Casing	9.625	40.00	HCL80	0	5,526
	Production Casing	5.500	23.00	P110	0	18,796
	Tubing	2.875	6.00	L80	0	11,271

Casing Cement Summary

C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
		1,460	13.375	0	1,789	Circulate 488sx to surface
		255	13.375	1,789	2,089	
		3,100	9.625	0	5,026	1166sx circulated to surface.
		265	9.625	0	5,526	
		1,491	5.500	0	10,500	Circulate 499sx to surface
		1,780	5.500	10,500	18,796	

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)
	FC	13.375	0.000	2,043	0
	Cent	17.500	13.375	2,045	0
	GS	13.375	0.000	2,087	0

Last Updated: 1/3/2022 09:25 AM

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)
	Mkr Jt	5.500	0.000	5,384	5,405
	FC	9.625	0.000	5,477	0
	GS	9.625	0.000	5,524	0
	Mkr Jt	5.500	0.000	10,731	10,752
	Pkr	4.670	2.875	11,271	0
	Mkr Jt	5.500	0.000	15,189	15,209
	SS,O	5.500	0.000	18,754	18,756
	SS,O	5.500	0.000	18,777	18,779
	FC	5.500	0.000	18,790	0
	GS	5.500	0.000	18,793	0

Perforation Summary

C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)
	12/7/2021	Open	3rd Bone Spring	11379	11,440
	12/7/2021	Open	3rd Bone Spring	11479	11,585
	12/6/2021	Open	3rd Bone Spring	11651	11,758
	12/6/2021	Open	3rd Bone Spring	11798	11,896
	12/5/2021	Open	3rd Bone Spring	11941	12,045
	12/5/2021	Open	3rd Bone Spring	12084	12,190
	12/4/2021	Open	3rd Bone Spring	12229	12,335
	12/4/2021	Open	3rd Bone Spring	12374	12,477
	12/3/2021	Open	3rd Bone Spring	12519	12,625
	12/3/2021	Open	3rd Bone Spring	12664	12,770
	12/2/2021	Open	3rd Bone Spring	12809	12,915
	12/2/2021	Open	3rd Bone Spring	12954	13,060
	12/1/2021	Open	3rd Bone Spring	13098	13,205
	12/1/2021	Open	3rd Bone Spring	13244	13,350
	11/30/2021	Open	3rd Bone Spring	13389	13,493
	11/30/2021	Open	3rd Bone Spring	13534	13,639
	11/30/2021	Open	3rd Bone Spring	13679	13,785
	11/29/2021	Open	3rd Bone Spring	13826	13,931
	11/29/2021	Open	3rd Bone Spring	13969	14,075
	11/28/2021	Open	3rd Bone Spring	14114	14,185
	11/28/2021	Open	4th Bone Spring	14219	14,220
	11/28/2021	Open	4th Bone Spring	14261	14,262
	11/28/2021	Open	3rd Bone Spring	14296	14,367
	11/27/2021	Open	3rd Bone Spring	14404	15,511
	11/27/2021	Open	3rd Bone Spring	14549	14,649
	11/26/2021	Open	3rd Bone Spring	14692	14,798
	11/26/2021	Open	3rd Bone Spring	14839	14,945
	11/25/2021	Open	3rd Bone Spring	14984	15,088
	11/25/2021	Open	3rd Bone Spring	15129	15,233
	11/24/2021	Open	3rd Bone Spring	15274	15,378
	11/24/2021	Open	3rd Bone Spring	15424	15,523
	11/23/2021	Open	3rd Bone Spring	15564	15,663
	11/23/2021	Open	3rd Bone Spring	15709	15,813
	11/22/2021	Open	3rd Bone Spring	15854	15,958
	11/22/2021	Open	3rd Bone Spring	16004	16,103
	11/21/2021	Open	3rd Bone Spring	16145	16,250
	11/21/2021	Open	3rd Bone Spring	16288	16,394
	11/20/2021	Open	3rd Bone Spring	16438	16,539
	11/20/2021	Open	3rd Bone Spring	16580	16,684
	11/20/2021	Open	3rd Bone Spring	16724	16,828
	11/19/2021	Open	3rd Bone Spring	16869	16,975

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C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)
	11/19/2021	Open	3rd Bone Spring	17010	17,118
	11/18/2021	Open	3rd Bone Spring	17159	17,264
	11/17/2021	Open	3rd Bone Spring	17304	17,409
	11/16/2021	Open	3rd Bone Spring	17449	17,557
	11/17/2021	Open	3rd Bone Spring	17449	17,555
	11/16/2021	Open	3rd Bone Spring	17596	17,701
	11/14/2021	Open	3rd Bone Spring	17886	17,992
	11/14/2021	Open	3rd Bone Spring	18029	18,137
	11/13/2021	Open	3rd Bone Spring	18174	18,280
	11/13/2021	Open	3rd Bone Spring	18317	18,425
	11/12/2021	Open	3rd Bone Spring	18464	18,570
	11/12/2021	Open	3rd Bone Spring	18609	18,715
	11/11/2021	Open	3rd Bone Spring	18753	18,777

Formation Tops Summary

Formation	Top (TVD ft)	Comments
Rustler	1,878	
Top of Salt	2,200	
Base of Salt	3,426	
Tansil	3,481	
Yates	3,710	
Seven Rivers	3,940	
Bell Canyon	5,560	
Cherry Canyon	5,758	
Brushy Canyon	6,371	
Bone Spring	8,153	
1st Bone Spring	9,588	
2nd Bone Spring	10,206	
3rd Bone Spring	11,046	

Last Updated: 1/3/2022 09:25 AM

Field Name		Lease Name		Well No.	County		State		API No.	
Laguna North		Talon 5-8 Federal		1H	Lea		New Mexico		30025474570000	
Version	Version Tag				Spud Date		Comp. Date		GL (ft)	KB (ft)
1	Completed				6/13/2021		12/7/2021		3,693.0	3,716.0
Section	Township/Block	Range/Survey		Dist. N/S (ft)	N/S Line	Dist. E/W (ft)		E/W Line	Footage From	
5	20S	35E		180	FNL	1,455		FEL	SECTION	
Operator			Well Status			Latitude		Longitude		Prop Num
Caza Operating			Completed			32.60910490		-103.47562836		328897
OGRID		Pool Name and Code		Well Type				Dedicated Acres		
249099		WC-025 G-08 S203506D; Bone Spring (97983)		Hz, Oil				241.34		
Last Updated		Prepared By				Updated By				
01/03/2022 9:25 AM		Steve Morris				Steve Morris				

Additional Information

From south Dal Paso street in Hobbs head west on US-180 towards county road 27-A for 23.6 miles. Turn left onto county road 27-A heading south for 1.9 miles. Turn left onto existing lease road heading east for 0.8 miles. Turn left heading north for 164 feet. Turn right onto access road to the pad heading east for 3 miles.

Hole Summary

Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	26.000	0	120	
	17.500	120	2,089	
	12.250	2,089	5,526	
	8.750	5,526	18,819	

Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Coupling	Top (MD ft)	Bottom (MD ft)	Comments
	Conductor Casing	3	20.000	94.00	H40		0	120	
	Surface Casing	52	13.375	54.50	J55	STC	0	2,089	
	Intermediate Casing	132	9.625	40.00	HCL80	BTC	0	5,526	
	Production Casing	423	5.500	23.00	P110	BTC VAR	0	18,796	
	Tubing	344	2.875	6.00	L80	EUE	0	11,271	

Casing Cement Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
		1,460	1.65	2,409	13.375	0	1,789	12.8ppg Class C 35/65 POZ + 5% NaCl + 6% Gel + 0.4% CPT-503P	Circulate 488sx to surface
		255	1.33	339	13.375	1,789	2,089	14.8ppg Class C	
		3,100	2.29	7,099	9.625	0	5,026	11.5ppg Class C 50/50 POZ + 5% NaCl + 4% Gel + 0.1% CPT-19 + 2% CPT-45 + 0.4% CPT-503P + 5% Gypsum + 0.1% CPT-20A + 0.1% Citric Acid	1166sx circulated to surface.
		265	1.33	313	9.625	0	5,526	14.8ppg Class C + 0.1% CPT-24	
		1,491	2.23	3,325	5.500	0	10,500	11.5ppg 50/50 POZ H	Circulate 499sx to surface
		1,780	1.42	2,528	5.500	10,500	18,796	13.2ppg 35/65 POZ H	

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
	Float Collar	13.375	0.000	2,043	0		
	Centralizer	17.500	13.375	2,045	0		
	Guide Shoe	13.375	0.000	2,087	0		
	Marker Joint	5.500	0.000	5,384	5,405		
	Float Collar	9.625	0.000	5,477	0		
	Guide Shoe	9.625	0.000	5,524	0		
	Marker Joint	5.500	0.000	10,731	10,752		
	Packer	4.670	2.875	11,271	0		
	Marker Joint	5.500	0.000	15,189	15,209		

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Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
	Sliding Sleeve (open)	5.500	0.000	18,754	18,756	Gryphon Toe Sleeve	
	Sliding Sleeve (open)	5.500	0.000	18,777	18,779	Gryphon Toe Sleeve	
	Float Collar	5.500	0.000	18,790	0		
	Guide Shoe	5.500	0.000	18,793	0		

Perforation Summary

C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/11/2021	Open	3rd Bone Spring		Stage 1 - Slurry - 8175bbbls 437,820lbs sand	
Top (MD ft)		Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
18776		18,777	6	6	60	
18753		18,754	6	6	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/12/2021	Open	3rd Bone Spring		Stage 3 - Slurry 9181bbbls 439,030lbs sand	
Top (MD ft)		Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
18569		18,570	10	10	60	
18534		18,535	10	10	60	
18499		18,500	10	10	60	
18464		18,465	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/12/2021	Open	3rd Bone Spring		Stage 2 - Slurry 8577bbbls 439,230lbs sand	
Top (MD ft)		Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
18714		18,715	10	10	60	
18679		18,680	10	10	60	
18644		18,645	10	10	60	
18609		18,610	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/13/2021	Open	3rd Bone Spring		Stage 5 - Slurry 8254bbbls 439,150lbs sand	
Top (MD ft)		Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
18279		18,280	10	10	60	
18244		18,245	10	10	60	
18211		18,212	10	10	60	
18174		18,175	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/13/2021	Open	3rd Bone Spring		Stage 4 - Slurry 8155bbbls 439,700lbs sand	
Top (MD ft)		Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
18424		18,425	10	10	60	
18391		18,392	10	10	60	
18354		18,355	10	10	60	
18317		18,318	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/14/2021	Open	3rd Bone Spring		Stage 7 - Slurry 7357bbbls 440,820lbs sand	
Top (MD ft)		Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
17991		17,992	10	10	60	
17956		17,957	10	10	60	
17919		17,920	10	10	60	
17886		17,887	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/14/2021	Open	3rd Bone Spring		Stage 6 - Slurry 10406bbbls 439,240lbs sand	
Top (MD ft)		Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
18136		18,137	10	10	60	
18101		18,102	10	10	60	

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C	Date	Perf. Status	Formation	Closed Date	Comments	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	18062	18,063	10	10	60	
	18029	18,030	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/16/2021	Open	3rd Bone Spring		Stage 9 - Slurry 8652bbbls 438,820lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	17556	17,557	10	10	60	
	17519	17,520	10	10	60	
	17484	17,485	10	10	60	
	17449	17,450	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/16/2021	Open	3rd Bone Spring		Stage 8 - Slurry 7591bbbls 439,150lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	17700	17,701	10	10	60	
	17664	17,665	10	10	60	
	17629	17,630	10	10	60	
	17596	17,597	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/17/2021	Open	3rd Bone Spring		Stage 11 - 7405bbbls 438,470lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	17410	17,409	10	10	60	
	17378	17,377	10	10	60	
	17339	17,338	10	10	60	
	17304	17,305	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/17/2021	Open	3rd Bone Spring		Stage 10 - 7604bbbls 441,310lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	17556	17,555	10	10	60	
	17519	17,518	10	10	60	
	17484	17,483	10	10	60	
	17449	17,448	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/18/2021	Open	3rd Bone Spring		Stage 12 - 7581bbbls 440,200lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	17229	17,228	10	10	60	
	17189	17,188	10	10	60	
	17159	17,158	10	10	60	
	17263	17,264	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/19/2021	Open	3rd Bone Spring		Stage 14 - 7284bbbls 436,620lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	16976	16,975	10	10	60	
	16939	16,938	10	10	60	
	16904	16,903	10	10	60	
	16869	16,868	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/19/2021	Open	3rd Bone Spring		Stage 13 - 7426bbbls 439,150lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	17119	17,118	10	10	60	
	17084	17,083	10	10	60	

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C	Date	Perf. Status	Formation	Closed Date	Comments	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	17049	17,048	10	10	60	
	17010	17,009	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/20/2021	Open	3rd Bone Spring		Stage 17 - 7465bbbls 438,560lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	16540	16,539	10	10	60	
	16506	16,505	10	10	60	
	16471	16,470	10	10	60	
	16438	16,437	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/20/2021	Open	3rd Bone Spring		Stage 16 - 7493bbbls 439,420lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	16685	16,684	10	10	60	
	16650	16,649	10	10	60	
	16612	16,611	10	10	60	
	16580	16,579	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/20/2021	Open	3rd Bone Spring		Stage 15 - 7398bbbls 438,250lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	16829	16,828	10	10	60	
	16789	16,788	10	10	60	
	16759	16,758	10	10	60	
	16724	16,723	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/21/2021	Open	3rd Bone Spring		Stage 19 - 7391bbbls 440,150lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	16251	16,250	10	10	60	
	16212	16,211	10	10	60	
	16180	16,179	10	10	60	
	16145	16,144	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/21/2021	Open	3rd Bone Spring		Stage 18 - 7166bbbls 439,790lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	16395	16,394	10	10	60	
	16361	16,360	10	10	60	
	16324	16,323	10	10	60	
	16288	16,287	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/22/2021	Open	3rd Bone Spring		Stage 21 - 7328bbbls 438,250lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	15959	15,958	10	10	60	
	15924	15,923	10	10	60	
	15889	15,888	10	10	60	
	15854	15,853	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/22/2021	Open	3rd Bone Spring		Stage 20 - 7497bbbls 438,050lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	16104	16,103	10	10	60	
	16069	16,068	10	10	60	

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C	Date	Perf. Status	Formation	Closed Date	Comments	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	16032	16,031	10	10	60	
	16004	16,003	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/23/2021	Open	3rd Bone Spring		Stage 23 - 7209bbbls 441,980lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	15664	15,663	10	10	60	
	15619	15,618	10	10	60	
	15589	15,588	10	10	60	
	15564	15,563	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/23/2021	Open	3rd Bone Spring		Stage 22 - 7175bbbls 439,750lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	15814	15,813	10	10	60	
	15778	15,777	10	10	60	
	15744	15,743	10	10	60	
	15709	15,708	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/24/2021	Open	3rd Bone Spring		Stage 25 - 7973bbbls 439,250lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	15379	15,378	10	10	60	
	15344	15,343	10	10	60	
	15309	15,308	10	10	60	
	15274	15,273	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/24/2021	Open	3rd Bone Spring		Stage 24 - 7192bbbls 439,340lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	15524	15,523	10	10	60	
	15489	15,488	10	10	60	
	15454	15,453	10	10	60	
	15424	15,423	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/25/2021	Open	3rd Bone Spring		Stage 27 - 7159bbbls 440,130lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	15089	15,088	10	10	60	
	15054	15,053	10	10	60	
	15019	15,018	10	10	60	
	14984	14,983	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/25/2021	Open	3rd Bone Spring		Stage 26 - 7493bbbls 440,670lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	15234	15,233	10	10	60	
	15199	15,198	10	10	60	
	15164	15,163	10	10	60	
	15129	15,128	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments	
	11/26/2021	Open	3rd Bone Spring		Stage 29 - 7298bbbls 438,800lbs sand	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	14799	14,798	10	10	60	
	14764	14,763	10	10	60	

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C	Date	Perf. Status	Formation		Closed Date	Comments
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	14729	14,728	10	10	60	
	14692	14,691	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	11/26/2021	Open	3rd Bone Spring			Stage 28 - 7258bbbls 441,450lbs sand
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	14946	14,945	10	10	60	
	14910	14,909	10	10	60	
	14873	14,872	10	10	60	
	14839	14,838	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	11/27/2021	Open	3rd Bone Spring			Stage 30 - 7563bbbls 442,960lbs sand
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	14650	14,649	10	10	60	
	14620	14,619	10	10	60	
	14587	14,586	10	10	60	
	14549	14,548	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	11/27/2021	Open	3rd Bone Spring			Stage 31 - 7210bbbls 439,780lbs sand
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	15510	15,511	10	10	60	
	14475	14,476	10	10	60	
	14439	14,440	10	10	60	
	14404	14,405	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	11/28/2021	Open	3rd Bone Spring			Stage 33 - 7326bbbls 439,580lbs sand
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	14184	14,185	10	10	60	
	14149	14,150	10	10	60	
	14114	14,115	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	11/28/2021	Open	4th Bone Spring			Stage 33 - 7326bbbls 439,580lbs sand
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	14219	14,220	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	11/28/2021	Open	4th Bone Spring			Stage 32 - 7086bbbls 439,030lbs sand
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	14261	14,262	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	11/28/2021	Open	3rd Bone Spring			Stage 32 - 7086bbbls 439,030lbs sand
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	14366	14,367	10	10	60	
	14329	14,330	10	10	60	
	14296	14,297	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	11/29/2021	Open	3rd Bone Spring			Stage 35 - 7323bbbls 440,740lbs sand
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13930	13,931	10	10	60	
	13895	13,896	10	10	60	

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C	Date	Perf. Status	Formation		Closed Date	Comments
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13861	13,862	10	10	60	
	13826	13,827	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	11/29/2021	Open	3rd Bone Spring			Stage 34 - 7211bbbls 439,150lbs sand
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	14074	14,075	10	10	60	
	14036	14,037	10	10	60	
	14004	14,005	10	10	60	
	13969	13,970	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	11/30/2021	Open	3rd Bone Spring			Stage 38 - 7192bbbls 440,000lbs sand
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13492	13,493	10	10	60	
	13457	13,458	10	10	60	
	13424	13,425	10	10	60	
	13389	13,390	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	11/30/2021	Open	3rd Bone Spring			Stage 37 - 7286bbbls 439,100lbs sand
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13638	13,639	10	10	60	
	13604	13,605	10	10	60	
	13569	13,570	10	10	60	
	13534	13,535	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	11/30/2021	Open	3rd Bone Spring			Stage 36 - 7331bbbls 439,100bbls sand
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13784	13,785	10	10	60	
	13749	13,750	10	10	60	
	13714	13,715	10	10	60	
	13679	13,680	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	12/1/2021	Open	3rd Bone Spring			Stage 40 - 7175bbbls 439,220lbs sand
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13204	13,205	10	10	60	
	13169	13,170	10	10	60	
	13134	13,135	10	10	60	
	13098	13,099	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	12/1/2021	Open	3rd Bone Spring			Stage 39 - 7207bbbls 439,720lbs sand
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13349	13,350	10	10	60	
	13314	13,315	10	10	60	
	13279	13,280	10	10	60	
	13244	13,245	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	12/2/2021	Open	3rd Bone Spring			Stage 42 - 7114bbbls 439,650lbs sand
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12914	12,915	10	10	60	
	12881	12,882	10	10	60	

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C	Date	Perf. Status	Formation	Closed Date	Comments
Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
12844	12,845	10	10	60	
12809	12,810	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments
	12/2/2021	Open	3rd Bone Spring		Stage 41 - 7162bbbls 439,525lbs sand
Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
13059	13,060	10	10	60	
13024	13,025	10	10	60	
12989	12,990	10	10	60	
12954	12,955	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments
	12/3/2021	Open	3rd Bone Spring		Stage 44 - 7004bbbls 439,070lbs sand
Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
12624	12,625	10	10	60	
12589	12,590	10	10	60	
12554	12,555	10	10	60	
12519	12,520	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments
	12/3/2021	Open	3rd Bone Spring		Stage 43 - 7223bbbls 439,155lbs sand
Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
12769	12,770	10	10	60	
12734	12,735	10	10	60	
12700	12,701	10	10	60	
12664	12,665	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments
	12/4/2021	Open	3rd Bone Spring		Stage 46 - 7057bbbls 439,340lbs sand
Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
12334	12,335	10	10	60	
12299	12,300	10	10	60	
12263	12,264	10	10	60	
12229	12,230	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments
	12/4/2021	Open	3rd Bone Spring		Stage 45 - 6924bbbls 439,730lbs sand
Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
12476	12,477	10	10	60	
12444	12,445	10	10	60	
12409	12,410	10	10	60	
12374	12,375	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments
	12/5/2021	Open	3rd Bone Spring		Stage 48 - 7081bbbls 439,140lbs sand
Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
12044	12,045	10	10	60	
12010	12,011	10	10	60	
11974	11,975	10	10	60	
11941	11,942	10	10	60	
C	Date	Perf. Status	Formation	Closed Date	Comments
	12/5/2021	Open	3rd Bone Spring		Stage 47 - 7082bbbls 439,280lbs sand
Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
12189	12,190	10	10	60	
12154	12,155	10	10	60	

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C	Date	Perf. Status	Formation		Closed Date	Comments
Top (MD ft)		Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
12119		12,120	10	10	60	
12084		12,085	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	12/6/2021	Open	3rd Bone Spring			Stage 50 - 7024bbls 438,940lbs sand
Top (MD ft)		Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
11757		11,758	10	10	60	
11719		11,720	10	10	60	
11682		11,683	10	10	60	
11651		11,652	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	12/6/2021	Open	3rd Bone Spring			Stage 49 - 7174bbls 438,790lbs sand
Top (MD ft)		Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
11895		11,896	10	10	60	
11858		11,859	10	10	60	
11829		11,830	10	10	60	
11798		11,799	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	12/7/2021	Open	3rd Bone Spring			Stage 52 - 6960bbls 438,050lbs sand
Top (MD ft)		Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
11439		11,440	10	10	60	
11419		11,420	10	10	60	
11399		11,400	10	10	60	
11379		11,380	10	10	60	
C	Date	Perf. Status	Formation		Closed Date	Comments
	12/7/2021	Open	3rd Bone Spring			Stage 51 - 6991bbls 437,660lbs sand
Top (MD ft)		Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
11584		11,585	10	10	60	
11551		11,552	10	10	60	
11516		11,517	10	10	60	
11479		11,480	10	10	60	

Formation Top Summary

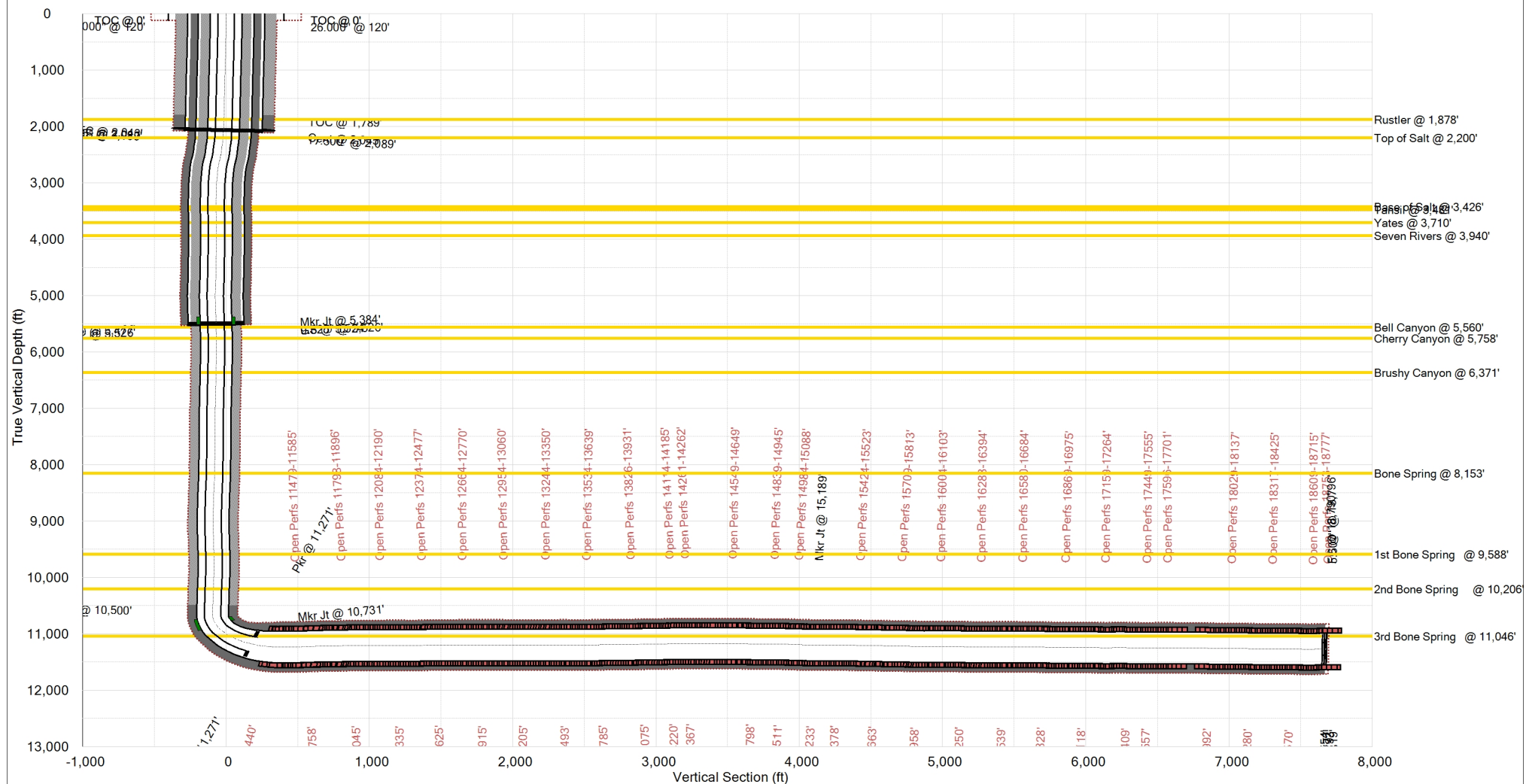
Formation Name	Top(TVD ft)	Comments
Rustler	1,878	
Top of Salt	2,200	
Base of Salt	3,426	
Tansil	3,481	
Yates	3,710	
Seven Rivers	3,940	
Bell Canyon	5,560	
Cherry Canyon	5,758	
Brushy Canyon	6,371	
Bone Spring	8,153	
1st Bone Spring	9,588	
2nd Bone Spring	10,206	
3rd Bone Spring	11,046	

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Field Name		Lease Name				Well No.		County		State		API No.	
Laguna North		Talon 5-8 Federal				1H		Lea		New Mexico		30025474570000	
Version	Version Tag					Spud Date		Comp. Date		G.L. (ft)		K.B. (ft)	
1	Completed					6/13/2021		12/7/2021		3,693.0		3,716.0	
Sec.	Township/Block	Range/Survey	Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From		Latitude		Longitude		
5	20S	35E	180	FNL	1455	FEL			32.60910490		-103.47562836		
Well Status		PropNum		Operator		Last Updated				Prepared By		Updated By	
Completed		328897		Caza Operating		1/3/2022 9:25:26 AM				Steve Morris		Steve Morris	

Additional Information

From south Dal Paso street in Hobbs head west on US-180 towards county road 27-A for 23.6 miles. Turn left onto county road 27-A heading south for 1.9 miles. Turn left onto existing lease road heading east for 0.8 miles. Turn left heading north for 164 feet. Turn right onto access road to the pad heading east for 3 miles.



Last Updated: 1/3/2022 9:25:26 AM



Field Name		Lease Name	Well No.	API No.	Version	Version Tag		
Laguna North		Talon 5-8 Federal	1H	30025474570000	1	Completed		
Section	Township/Block		Range/Survey	County		State	GL (ft)	KB (ft)
5	20S		35E	Lea		New Mexico	3,693.0	3,716.0
Target N (-S) (ft)		Target E (-W) (ft)	Latitude	Longitude		Operator	Well Status	
0		0	32.60910490	-103.47562836		Caza Operating	Completed	
Additional Information								
From south Dal Paso street in Hobbs head west on US-180 towards county road 27-A for 23.6 miles. Turn left onto county road 27-A heading south for 1.9 miles. Turn left onto existing lease road heading east for 0.8 miles. Turn left heading north for 164 feet. Turn right onto access road to the pad heading east for 3 miles.								

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	Coordinate N (-S) (ft)	Coordinate E (-W) (ft)	DLS (deg/100 ft)
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
144.0	0.2	357.2	144.0	-0.3	0.3	0.0	0.15
297.0	0.4	356.1	297.0	-1.1	1.1	-0.1	0.12
388.0	0.4	36.6	388.0	-1.6	1.6	0.1	0.29
480.0	0.7	3.7	480.0	-2.4	2.4	0.3	0.49
571.0	0.4	353.4	571.0	-3.3	3.3	0.3	0.31
667.0	0.4	37.4	667.0	-3.9	3.9	0.4	0.32
759.0	0.7	39.7	759.0	-4.6	4.6	0.9	0.38
853.0	0.7	36.1	853.0	-5.5	5.5	1.7	0.05
947.0	0.8	21.0	947.0	-6.7	6.6	2.2	0.26
1,042.0	0.8	21.8	1,042.0	-7.9	7.9	2.7	0.05
1,136.0	0.7	22.2	1,136.0	-9.1	9.0	3.2	0.10
1,231.0	0.6	43.2	1,230.9	-10.0	9.9	3.7	0.28
1,326.0	0.3	10.9	1,325.9	-10.6	10.5	4.1	0.37
1,420.0	0.7	32.8	1,419.9	-11.3	11.2	4.4	0.41
1,515.0	0.6	7.1	1,514.9	-12.2	12.1	4.8	0.30
1,610.0	0.8	49.0	1,609.9	-13.1	13.0	5.4	0.56
1,704.0	0.5	49.8	1,703.9	-13.9	13.7	6.2	0.28
1,799.0	0.8	48.5	1,798.9	-14.6	14.4	7.0	0.23
1,893.0	0.7	32.7	1,892.9	-15.5	15.3	7.7	0.23
1,987.0	1.3	50.1	1,986.9	-16.7	16.4	8.9	0.76
2,037.0	2.6	61.8	2,036.9	-17.6	17.3	10.3	2.65
2,113.0	2.9	64.8	2,112.8	-19.3	19.0	13.5	0.45
2,177.0	2.7	58.9	2,176.7	-20.8	20.4	16.3	0.56
2,271.0	2.8	348.7	2,270.6	-24.3	23.8	17.7	3.36
2,365.0	3.0	346.0	2,364.5	-28.9	28.5	16.7	0.28
2,460.0	3.1	343.1	2,459.4	-33.8	33.4	15.3	0.19
2,554.0	5.5	339.3	2,553.1	-40.4	40.1	13.0	2.59
2,649.0	5.7	339.6	2,647.6	-49.0	48.8	9.7	0.18
2,743.0	4.9	320.5	2,741.2	-56.4	56.3	5.5	2.05
2,838.0	5.2	298.1	2,835.9	-61.4	61.5	-0.9	2.08
2,932.0	5.1	294.3	2,929.5	-64.9	65.2	-8.4	0.39
3,027.0	4.1	279.0	3,024.2	-67.0	67.4	-15.6	1.62
3,122.0	3.7	274.7	3,119.0	-67.6	68.2	-22.0	0.48
3,216.0	3.6	278.4	3,212.8	-68.1	68.9	-28.0	0.29
3,311.0	3.2	284.0	3,307.6	-69.0	69.9	-33.5	0.58
3,406.0	3.5	272.7	3,402.5	-69.6	70.7	-38.9	0.76
3,500.0	3.6	264.4	3,496.3	-69.3	70.6	-44.7	0.56
3,594.0	3.3	267.9	3,590.1	-68.8	70.2	-50.3	0.36
3,689.0	2.9	263.8	3,685.0	-68.3	69.8	-55.5	0.52
3,783.0	2.6	262.5	3,778.9	-67.6	69.3	-60.0	0.28
3,877.0	2.2	269.6	3,872.8	-67.2	69.0	-64.0	0.53
3,972.0	2.1	267.6	3,967.7	-67.0	68.9	-67.6	0.16
4,066.0	2.1	275.1	4,061.6	-67.0	69.0	-71.0	0.30
4,161.0	2.0	287.7	4,156.6	-67.6	69.6	-74.4	0.49
4,255.0	1.8	288.8	4,250.5	-68.5	70.6	-77.3	0.20
4,349.0	2.0	286.7	4,344.5	-69.4	71.5	-80.3	0.25
4,443.0	2.0	284.8	4,438.4	-70.2	72.4	-83.5	0.07
4,538.0	2.0	285.0	4,533.4	-70.9	73.3	-86.7	0.01
4,632.0	1.9	285.5	4,627.3	-71.7	74.2	-89.8	0.10
4,821.0	2.1	293.0	4,816.2	-73.7	76.3	-96.0	0.16
4,916.0	2.2	289.7	4,911.1	-74.9	77.6	-99.3	0.19
5,010.0	2.2	279.2	5,005.1	-75.7	78.5	-102.8	0.43

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	Coordinate N (-S) (ft)	Coordinate E (-W) (ft)	DLS (deg/100 ft)
5,105.0	1.9	254.2	5,100.0	-75.5	78.4	-106.1	0.96
5,199.0	2.2	251.8	5,193.9	-74.4	77.4	-109.3	0.30
5,294.0	2.2	257.3	5,288.9	-73.3	76.4	-112.8	0.23
5,388.0	2.2	250.6	5,382.8	-72.3	75.4	-116.2	0.29
5,464.0	2.4	251.3	5,458.7	-71.2	74.4	-119.1	0.18
5,555.0	2.2	254.1	5,549.7	-70.0	73.3	-122.6	0.20
5,607.0	2.3	250.1	5,601.6	-69.3	72.7	-124.6	0.33
5,701.0	2.2	251.6	5,695.5	-68.0	71.5	-128.0	0.17
5,796.0	2.1	276.0	5,790.5	-67.5	71.1	-131.4	0.94
5,890.0	1.9	276.4	5,884.4	-67.8	71.5	-134.6	0.16
5,985.0	1.8	276.9	5,979.4	-68.1	71.8	-137.6	0.13
6,079.0	1.5	273.5	6,073.3	-68.3	72.1	-140.3	0.35
6,174.0	2.3	284.7	6,168.3	-68.7	72.6	-143.3	0.94
6,268.0	2.3	282.3	6,262.2	-69.5	73.5	-147.0	0.10
6,363.0	1.8	279.3	6,357.2	-70.1	74.1	-150.3	0.54
6,457.0	2.7	281.5	6,451.1	-70.6	74.8	-153.9	0.98
6,551.0	2.7	286.9	6,545.0	-71.6	75.9	-158.2	0.27
6,646.0	2.3	282.8	6,639.9	-72.6	77.0	-162.2	0.40
6,740.0	2.4	285.9	6,733.8	-73.5	77.9	-166.0	0.17
6,835.0	2.3	284.4	6,828.7	-74.4	79.0	-169.8	0.17
6,929.0	2.1	283.1	6,922.7	-75.1	79.8	-173.3	0.17
7,024.0	1.8	278.5	7,017.6	-75.7	80.4	-176.5	0.42
7,118.0	1.7	278.3	7,111.6	-76.0	80.9	-179.3	0.11
7,212.0	1.3	280.4	7,205.5	-76.3	81.3	-181.8	0.36
7,306.0	2.3	278.7	7,299.5	-76.7	81.7	-184.7	0.98
7,401.0	2.4	278.3	7,394.4	-77.2	82.3	-188.5	0.18
7,496.0	2.4	276.4	7,489.3	-77.6	82.8	-192.5	0.09
7,590.0	2.2	279.5	7,583.2	-78.0	83.3	-196.2	0.33
7,685.0	2.0	278.5	7,678.2	-78.5	83.9	-199.6	0.18
7,780.0	2.0	273.7	7,773.1	-78.7	84.2	-202.9	0.18
7,874.0	1.8	274.9	7,867.1	-78.9	84.5	-206.0	0.21
7,969.0	1.4	275.3	7,962.0	-79.0	84.7	-208.6	0.46
8,064.0	3.1	280.8	8,057.0	-79.5	85.3	-212.2	1.87
8,158.0	3.6	285.2	8,150.8	-80.6	86.5	-217.6	0.53
8,253.0	3.4	288.4	8,245.6	-82.1	88.2	-223.1	0.28
8,347.0	3.1	287.4	8,339.5	-83.7	89.8	-228.1	0.25
8,442.0	2.8	285.9	8,434.3	-84.9	91.2	-232.8	0.37
8,536.0	2.2	291.1	8,528.3	-86.1	92.5	-236.7	0.70
8,631.0	1.9	291.6	8,623.2	-87.3	93.7	-239.9	0.27
8,726.0	1.8	296.4	8,718.1	-88.4	95.0	-242.7	0.23
8,821.0	2.3	292.0	8,813.1	-89.7	96.3	-245.8	0.60
8,915.0	3.4	275.1	8,907.0	-90.5	97.3	-250.3	1.43
9,010.0	3.2	270.3	9,001.8	-90.7	97.6	-255.8	0.33
9,105.0	2.2	263.5	9,096.7	-90.3	97.4	-260.3	1.10
9,199.0	2.1	261.2	9,190.6	-89.8	96.9	-263.8	0.22
9,294.0	1.6	253.8	9,285.6	-89.1	96.3	-266.7	0.54
9,389.0	1.3	237.5	9,380.6	-88.1	95.3	-268.9	0.54
9,483.0	1.6	233.6	9,474.5	-86.7	94.0	-270.8	0.31
9,578.0	1.4	225.8	9,569.5	-85.1	92.5	-272.6	0.27
9,672.0	1.3	220.4	9,663.5	-83.4	90.8	-274.2	0.14
9,767.0	0.8	307.9	9,758.5	-83.0	90.4	-275.4	1.61
9,861.0	0.6	339.0	9,852.5	-83.8	91.3	-276.1	0.44
9,955.0	0.8	337.8	9,946.4	-84.8	92.3	-276.5	0.17
10,050.0	0.9	342.2	10,041.4	-86.1	93.6	-277.0	0.16
10,145.0	1.0	335.8	10,136.4	-87.6	95.1	-277.5	0.17
10,239.0	1.0	351.9	10,230.4	-89.2	96.7	-278.0	0.31
10,334.0	1.0	6.4	10,325.4	-90.8	98.4	-278.0	0.27
10,429.0	0.8	356.7	10,420.4	-92.3	99.8	-278.0	0.32
10,523.0	0.7	359.2	10,514.4	-93.5	101.0	-278.0	0.08
10,591.0	0.6	2.0	10,582.4	-94.3	101.8	-278.0	0.17
10,655.0	0.4	357.3	10,646.4	-94.8	102.3	-278.0	0.35
10,702.0	1.8	170.7	10,693.4	-94.2	101.7	-277.9	4.66
10,749.0	7.8	180.1	10,740.2	-90.3	97.8	-277.8	12.77
10,796.0	12.7	177.9	10,786.4	-81.9	89.4	-277.6	10.46
10,844.0	14.6	180.6	10,833.0	-70.6	78.1	-277.5	4.24
10,892.0	18.7	177.7	10,879.0	-56.8	64.3	-277.2	8.68

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	Coordinate N (-S) (ft)	Coordinate E (-W) (ft)	DLS (deg/100 ft)
10,939.0	23.2	176.1	10,922.9	-40.1	47.5	-276.3	9.65
11,033.0	31.8	175.1	11,006.2	3.1	4.2	-272.9	9.16
11,081.0	36.1	175.7	11,046.0	29.8	-22.5	-270.8	8.88
11,128.0	40.7	176.2	11,082.8	58.8	-51.6	-268.7	9.74
11,175.0	46.7	177.9	11,116.8	91.1	-84.0	-267.1	13.05
11,223.0	53.4	180.2	11,147.6	127.9	-120.7	-266.5	14.49
11,270.0	59.8	182.6	11,173.5	167.1	-159.9	-267.5	14.18
11,317.0	64.9	186.9	11,195.3	208.6	-201.4	-271.0	13.58
11,364.0	71.5	188.4	11,212.8	251.9	-244.6	-276.8	14.30
11,411.0	77.3	188.6	11,225.5	296.9	-289.3	-283.4	12.41
11,459.0	84.0	188.1	11,233.2	343.9	-336.2	-290.3	14.06
11,506.0	90.6	186.4	11,235.4	390.5	-382.7	-296.2	14.44
11,600.0	93.0	182.6	11,232.5	484.4	-476.4	-303.6	4.81
11,695.0	94.0	178.5	11,226.7	579.1	-571.2	-304.5	4.41
11,789.0	93.4	176.6	11,220.6	672.7	-664.9	-300.5	2.07
11,884.0	92.6	177.5	11,215.6	767.3	-759.6	-295.6	1.25
11,978.0	91.9	178.8	11,211.9	861.0	-853.5	-292.6	1.61
12,072.0	91.4	180.9	11,209.2	955.0	-947.4	-292.3	2.30
12,166.0	90.4	181.6	11,207.8	1,048.9	-1,041.4	-294.3	1.25
12,261.0	89.7	181.0	11,207.7	1,143.9	-1,136.4	-296.4	0.94
12,355.0	90.4	178.0	11,207.6	1,237.9	-1,230.4	-295.6	3.21
12,450.0	92.2	177.8	11,205.5	1,332.7	-1,325.3	-292.1	1.88
12,544.0	92.1	177.1	11,202.0	1,426.3	-1,419.1	-287.8	0.71
12,638.0	90.8	177.7	11,199.6	1,520.1	-1,513.0	-283.5	1.49
12,733.0	89.5	178.6	11,199.4	1,614.9	-1,607.9	-280.5	1.64
12,827.0	90.7	177.9	11,199.2	1,708.7	-1,701.9	-277.6	1.45
12,922.0	89.4	178.2	11,199.1	1,803.6	-1,796.8	-274.3	1.41
13,016.0	91.1	178.6	11,198.7	1,897.4	-1,890.8	-271.6	1.82
13,111.0	90.3	178.8	11,197.6	1,992.3	-1,985.8	-269.4	0.83
13,206.0	88.7	179.1	11,198.5	2,087.2	-2,080.7	-267.6	1.73
13,300.0	89.9	179.4	11,199.6	2,181.1	-2,174.7	-266.4	1.34
13,395.0	91.5	179.7	11,198.5	2,276.0	-2,269.7	-265.6	1.67
13,489.0	89.2	179.2	11,198.0	2,370.0	-2,363.7	-264.7	2.48
13,584.0	88.9	178.9	11,199.5	2,464.8	-2,458.7	-263.1	0.47
13,678.0	91.7	179.4	11,199.0	2,558.8	-2,552.6	-261.7	3.04
13,773.0	93.5	179.5	11,194.7	2,653.6	-2,647.5	-260.7	1.85
13,868.0	91.4	179.0	11,190.6	2,748.4	-2,742.4	-259.5	2.27
13,962.0	92.3	179.1	11,187.6	2,842.3	-2,836.4	-258.0	1.00
14,057.0	92.7	178.8	11,183.4	2,937.1	-2,931.3	-256.2	0.52
14,151.0	92.3	179.3	11,179.3	3,030.9	-3,025.2	-254.7	0.76
14,246.0	91.9	179.2	11,175.9	3,125.8	-3,120.1	-253.4	0.39
14,340.0	91.1	178.8	11,173.4	3,219.6	-3,214.0	-251.7	0.96
14,434.0	90.6	178.2	11,171.9	3,313.5	-3,308.0	-249.3	0.75
14,529.0	87.8	178.6	11,173.2	3,408.3	-3,402.9	-246.6	2.99
14,623.0	89.4	178.6	11,175.5	3,502.2	-3,496.9	-244.3	1.65
14,718.0	88.6	178.9	11,177.2	3,597.1	-3,591.8	-242.2	0.87
14,812.0	89.6	179.0	11,178.7	3,690.9	-3,685.8	-240.5	1.02
14,907.0	88.0	179.7	11,180.7	3,785.9	-3,780.8	-239.4	1.86
15,001.0	86.2	180.8	11,185.4	3,879.7	-3,874.7	-239.8	2.17
15,096.0	86.9	180.4	11,191.1	3,974.5	-3,969.5	-240.8	0.80
15,191.0	87.7	180.2	11,195.6	4,069.4	-4,064.4	-241.4	0.92
15,286.0	90.1	180.0	11,197.3	4,164.3	-4,159.4	-241.5	2.54
15,377.0	89.0	179.9	11,198.0	4,255.3	-4,250.3	-241.4	1.29
15,471.0	87.1	179.6	11,201.3	4,349.2	-4,344.3	-241.0	2.03
15,565.0	87.4	179.2	11,205.8	4,443.0	-4,438.2	-239.9	0.55
15,660.0	87.8	179.2	11,209.8	4,537.9	-4,533.1	-238.6	0.42
15,754.0	86.2	180.1	11,214.7	4,631.7	-4,626.9	-238.1	2.01
15,848.0	87.2	179.9	11,220.1	4,725.5	-4,720.8	-238.1	1.17
15,942.0	88.2	179.3	11,223.9	4,819.3	-4,814.7	-237.4	1.27
16,036.0	88.7	179.1	11,226.4	4,913.2	-4,908.7	-236.0	0.48
16,131.0	89.1	178.8	11,228.2	5,008.1	-5,003.6	-234.3	0.58
16,225.0	90.0	178.5	11,228.9	5,102.0	-5,097.6	-232.2	1.00
16,320.0	89.1	179.5	11,229.6	5,196.9	-5,192.6	-230.5	1.38
16,414.0	89.3	179.7	11,230.9	5,290.8	-5,286.6	-229.8	0.27
16,509.0	90.3	179.0	11,231.2	5,385.8	-5,381.6	-228.6	1.28
16,603.0	89.0	179.3	11,231.8	5,479.7	-5,475.5	-227.2	1.43

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	Coordinate N (-S) (ft)	Coordinate E (-W) (ft)	DLS (deg/100 ft)
16,697.0	89.8	179.0	11,232.8	5,573.6	-5,569.5	-225.9	0.85
16,792.0	87.9	179.1	11,234.7	5,668.5	-5,664.5	-224.3	1.95
16,886.0	88.0	179.0	11,238.1	5,762.3	-5,758.4	-222.9	0.13
16,981.0	88.9	178.6	11,240.7	5,857.2	-5,853.4	-220.9	1.05
17,075.0	88.1	180.0	11,243.1	5,951.1	-5,947.3	-219.7	1.65
17,170.0	89.0	180.5	11,245.6	6,046.0	-6,042.3	-220.1	1.05
17,264.0	89.8	180.9	11,246.6	6,140.0	-6,136.3	-221.2	0.98
17,359.0	90.6	180.6	11,246.3	6,235.0	-6,231.3	-222.4	0.84
17,453.0	89.1	180.7	11,246.5	6,329.0	-6,325.3	-223.5	1.61
17,548.0	89.7	180.3	11,247.6	6,424.0	-6,420.2	-224.3	0.72
17,643.0	90.5	180.3	11,247.5	6,518.9	-6,515.2	-224.8	0.88
17,737.0	88.7	179.5	11,248.2	6,612.9	-6,609.2	-224.6	2.08
17,832.0	87.9	179.5	11,251.0	6,707.8	-6,704.2	-223.8	0.78
17,926.0	88.5	179.4	11,253.9	6,801.7	-6,798.1	-222.8	0.58
18,021.0	89.3	179.1	11,255.8	6,896.6	-6,893.1	-221.5	0.88
18,115.0	87.9	178.7	11,258.2	6,990.4	-6,987.1	-219.7	1.52
18,210.0	88.7	178.5	11,261.1	7,085.3	-7,082.0	-217.4	0.87
18,304.0	87.9	178.2	11,263.9	7,179.1	-7,175.9	-214.7	0.86
18,399.0	89.5	178.7	11,266.1	7,273.9	-7,270.8	-212.1	1.78
18,493.0	87.5	179.6	11,268.5	7,367.8	-7,364.8	-210.7	2.38
18,588.0	88.7	178.9	11,271.7	7,462.7	-7,459.7	-209.5	1.51
18,682.0	90.0	177.6	11,272.8	7,556.5	-7,553.7	-206.6	1.93
18,765.0	91.1	177.3	11,272.1	7,639.3	-7,636.6	-203.0	1.40
18,817.0	91.1	177.3	11,271.1	7,691.1	-7,688.5	-200.5	0.00

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

ACKNOWLEDGMENTS

Action 89051

ACKNOWLEDGMENTS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 89051
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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CONDITIONS

Action 89051

CONDITIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 89051
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	Propert code is 330237	9/15/2022