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

State of New Mexico
Energy, Minerals & Natural Resources

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

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
Caza Operating LLC 200 N. Lorraine St. #1550, Midland, TX 79701	249099
	[3] Reason for Filing Code/ Effective Date NW

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 0 25-47452	WC-025 G-08 S253534O; Bone Spring	97088

[7] Property Code	[8] Property Name	[9] Well Number
328896	Comanche 25-36 Fed State Com	4H

II. [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
B	25	26S	35E		350	North	1425	East	Lea

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L1	36	26S	35E		105	South	930	East	Lea

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
F	F	7/17/2021			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] O/G/W
373554	Salt Creek Midstream 5825 N. Sam Houston Pkwy W. #150 Houston, TX 77086	O
703107	Lucid Energy Group 3100 McKinnon St., Suite 800 Dallas, Texas 75201	G
726899	Pilot Water Solutions1004 N Big Spring St, Midland, TX 79701	W

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
1/6/2021	7/17/2021	19285	19283	12271-19265	

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
17.5	13.375	1025	830
12.25	9.625	9330	2970
8.5	6	19285	2860
	2.875	12142	

V. Well Test Data

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
7/29/2021	7/28/2021	8/10/2021	24	2018	786
[37] Choke Size	**[38] Oil**	**[39] Water**	**[40] Gas**		**[41] Test Method**
39	904	4845	2540		F

[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:

Printed name: Steve Morris
Title: Engineer
E-mail Address: steve.morris@morcorengineering.com
Date: 8/10/2021
Phone: 985-415-9729

OIL CONSERVATION DIVISION

Approved by: John Garcia
Title: Petroleum Engineer
Approval Date: 1/9/23

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	[2] Pool Code	[3] Pool Name
30-025-47452	98234	WC-025 G-08 S253534O; BONE SPRING

[4] Property Code	Property Name	[6] Well Number
328896	COMANCHE 25-36 FEDERAL STATE	4H

[7] OGRID No.	[8] Operator Name	[9] Elevation
249099	CAZA OPERATING LLC	2946'

[10] Surface Location

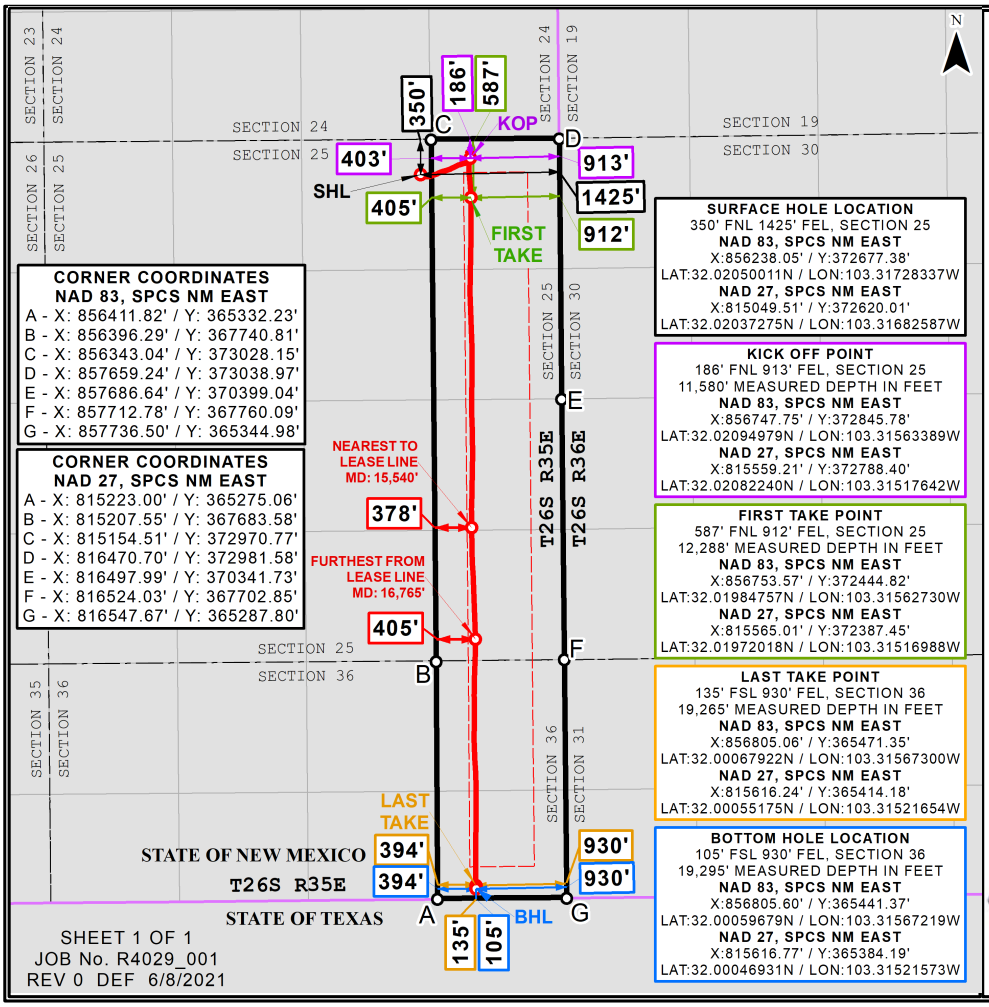
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	25	26S	35E		350	NORTH	1425	EAST	LEA

[11] [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
L 1	36	26S	35E		105	SOUTH	930	EAST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
233.22			

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.



CORNER COORDINATES NAD 83, SPCS NM EAST
A - X: 856411.82' / Y: 365332.23'
B - X: 856396.29' / Y: 367740.81'
C - X: 856343.04' / Y: 373028.15'
D - X: 857659.24' / Y: 373038.97'
E - X: 857686.64' / Y: 370399.04'
F - X: 857712.78' / Y: 367760.09'
G - X: 857736.50' / Y: 365344.98'

CORNER COORDINATES NAD 27, SPCS NM EAST
A - X: 815223.00' / Y: 365275.06'
B - X: 815207.55' / Y: 367683.58'
C - X: 815154.51' / Y: 372970.77'
D - X: 816470.70' / Y: 372981.58'
E - X: 816497.99' / Y: 370341.73'
F - X: 816524.03' / Y: 367702.85'
G - X: 816547.67' / Y: 365287.80'

SURFACE HOLE LOCATION
350' FNL 1425' FEL, SECTION 25
NAD 83, SPCS NM EAST
X:856238.05' / Y:372677.38'
LAT:32.02050011N / LON:103.31728337W
NAD 27, SPCS NM EAST
X:815049.51' / Y:372620.01'
LAT:32.02037275N / LON:103.31682587W

KICK OFF POINT
186' FNL 913' FEL, SECTION 25
11,580' MEASURED DEPTH IN FEET
NAD 83, SPCS NM EAST
X:856747.75' / Y:372845.78'
LAT:32.02094979N / LON:103.31563389W
NAD 27, SPCS NM EAST
X:815559.21' / Y:372788.40'
LAT:32.02082240N / LON:103.31517642W

FIRST TAKE POINT
587' FNL 912' FEL, SECTION 25
12,288' MEASURED DEPTH IN FEET
NAD 83, SPCS NM EAST
X:856753.57' / Y:372444.82'
LAT:32.01984757N / LON:103.31562730W
NAD 27, SPCS NM EAST
X:815565.01' / Y:372387.45'
LAT:32.01972018N / LON:103.31516988W

LAST TAKE POINT
135' FSL 930' FEL, SECTION 36
19,265' MEASURED DEPTH IN FEET
NAD 83, SPCS NM EAST
X:856805.06' / Y:365471.35'
LAT:32.00067922N / LON:103.31567300W
NAD 27, SPCS NM EAST
X:815616.24' / Y:365414.18'
LAT:32.00055175N / LON:103.31521654W

BOTTOM HOLE LOCATION
105' FSL 930' FEL, SECTION 36
19,295' MEASURED DEPTH IN FEET
NAD 83, SPCS NM EAST
X:856805.60' / Y:365441.37'
LAT:32.00059679N / LON:103.31567219W
NAD 27, SPCS NM EAST
X:815616.77' / Y:365384.19'
LAT:32.00046931N / LON:103.31521573W

[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature Date

Printed Name

E-mail Address

[18] SURVEYOR CERTIFICATION

I hereby certify that the well surface location shown on this plat was plotted from field notes of the as-staked surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Data used for underground measurements were provided by others for reference only and does not constitute field measurements performed by R-Squared Global.

JUNE 9, 2021
Date of Survey

Signature and Seal of Professional Surveyor:

DAVID W. MYERS NEW MEXICO 11403 PROFESSIONAL SURVEYOR

Certificate Number
DAVID W. MYERS 11403

Distances/areas relative to NAD 83 Combined Scale Factor: 0.99988291 Convergence Angle: 00°32'08.45268"

☐ Horizontal Spacing Unit

ALTITUDE ENERGY PARTNERS

Comanche 25-36 State Fed Com 4H - OH - Survey Report

Caza Petroleum

Operator	Caza Operating LLC	**Local co-ord ref**	Well Centered
Field	Lea Co., NM - Caza Operating	**TVD Reference**	KB=23.6
Facility	Comanche 25-36 Fed State	**North Reference**	GRID
Well	Comanche 25-36 Fed State 4H	**Survey Calc Method**	Minimum Curvature
Wellbore	Comanche 25-36 State Fed Com 4H - OH		

Field - Lea Co., NM - Caza Operating

CRS	US-SPC83 / New Mexico Eastern Zone	**Apply Scale Factor**	NO
Scale Factor	0.9999090909	**System Datum**	Mean Sea Level
Map Northing	372677.38 US survey foot	**Map Easting**	856238.05 US survey foot
Latitude	32° 1' 13.80044" N	**Longitude**	103° 19' 2.22009" W
Grid Convergence	0.539	**Depth Datum->MSL**	2969.60 Usft

Facility - Comanche 25-36 Fed State

Map Northing	372677.38 US survey foot	**Map Easting**	856238.05 US survey foot
Latitude	32° 1' 13.80044" N	**Longitude**	103° 19' 2.22009" W
Vertical Uncertainty	0.00 Usft	**Horizontal Uncertainty**	0.00 Usft
Grid Convergence	0.539		

Well - Comanche 25-36 Fed State 4H

Local North	-0.00 Usft	**Local East**	-0.00 Usft
Map Northing	372677.38 US survey foot	**Map Easting**	856238.05 US survey foot
Latitude	32° 1' 13.800" N	**Longitude**	103° 19' 2.220" W
Depth Datum	KB=23.6	**Datum Elevation**	2969.60 Usft
GL Elevation	2946.00 Usft	**Grid Convergence**	0.539

Well bore - Comanche 25-36 State Fed Com 4H - OH

Magnetic Model	User defined	**Date**	06/01/2021
Total Field (nT)	47456.60	**Dip Angle (°)**	59.633
Declination (°)	6.417		
VS Origin	User Defined	**VS Azimuth**	175.72
VS Orgin NS	0.00 Usft	**VS Origin EW**	0.00 Usft

Survey Program - Comanche 25-36 State Fed Com 4H - OH

Depth From (Usft)	Depth To (Usft)	Survey	Survey Tool
0.00	19295.00	MWD Survey	MWD+HDGM

MD	Inc	Azi	TVD	NS	EW	VS	DLS	BR	TR	TF	CL	TVD SS	Map Northing	Map Easting	Latitude	Longitude	Closure Azi	Up/Dn	Left/Right	Comments
Usft	°	°	Usft	Usft	Usft	Usft	(°/100ft)	(°/100ft)	(°/100ft)	°	Usft	Usft	US survey foot	US survey foot			°	Usft	Usft	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2969.60	372677.38	856238.05	32° 1' 13.800" N	103° 19' 2.220" W	0.00	-0.00	-0.00	
235.00	0.18	240.90	235.00	-0.18	-0.32	0.15	0.08	0.08	50.68	240.90	235.00	-2734.60	372677.20	856237.73	32° 1' 13.799" N	103° 19' 2.224" W	240.90	-0.00	-0.00	
327.00	0.35	132.18	327.00	-0.44	-0.24	0.42	0.48	0.18	-118.17	-131.41	92.00	-2642.60	372676.94	856237.81	32° 1' 13.796" N	103° 19' 2.223" W	208.75	0.00	-0.00	
419.00	0.66	231.50	419.00	-0.96	-0.45	0.92	0.86	0.34	107.96	125.05	92.00	-2550.60	372676.42	856237.60	32° 1' 13.791" N	103° 19' 2.225" W	205.04	0.00	0.00	
511.00	0.35	161.27	510.99	-1.55	-0.77	1.49	0.69	-0.34	-76.34	-148.69	92.00	-2458.61	372675.83	856237.28	32° 1' 13.785" N	103° 19' 2.229" W	206.42	-0.00	-0.00	
603.00	1.05	177.62	602.99	-2.66	-0.65	2.61	0.78	0.76	17.77	24.20	92.00	-2366.61	372674.72	856237.40	32° 1' 13.774" N	103° 19' 2.228" W	193.65	-0.00	-0.00	
729.00	1.41	286.95	728.97	-3.36	-2.08	3.20	1.60	0.29	86.77	138.74	126.00	-2240.63	372674.02	856235.97	32° 1' 13.767" N	103° 19' 2.245" W	211.75	0.00	-0.00	
821.00	1.23	302.34	820.95	-2.50	-4.00	2.20	0.43	-0.20	16.73	124.47	92.00	-2148.65	372674.88	856234.05	32° 1' 13.776" N	103° 19' 2.267" W	237.94	-0.00	-0.00	
913.00	1.49	316.31	912.92	-1.11	-5.66	0.69	0.46	0.28	15.18	59.02	92.00	-2056.68	372676.27	856232.39	32° 1' 13.790" N	103° 19' 2.288" W	258.89	0.00	0.00	
954.00	1.49	314.90	953.91	-0.35	-6.40	-0.13	0.09	0.00	-3.44	-90.70	41.00	-2015.69	372677.03	856231.65	32° 1' 13.798" N	103° 19' 2.295" W	266.87	0.00	-0.00	
1110.00	1.73	323.43	1109.84	2.97	-9.24	-3.65	0.22	0.15	5.47	49.28	156.00	-1859.76	372680.35	856228.81	32° 1' 13.831" N	103° 19' 2.327" W	287.83	-0.00	0.00	
1204.00	0.35	314.38	1203.83	4.31	-10.29	-5.07	1.47	-1.47	-9.63	-177.72	94.00	-1765.77	372681.69	856227.76	32° 1' 13.844" N	103° 19' 2.339" W	292.73	0.00	-0.00	
1299.00	0.75	124.80	1298.82	4.16	-9.99	-4.90	1.15	0.42	179.39	173.46	95.00	-1670.78	372681.54	856228.06	32° 1' 13.843" N	103° 19' 2.336" W	292.61	0.00	0.00	
1393.00	3.82	119.00	1392.74	2.29	-6.75	-2.79	3.27	3.27	-6.17	-7.21	94.00	-1576.86	372679.67	856231.30	32° 1' 13.824" N	103° 19' 2.298" W	288.76	0.00	0.00	
1487.00	6.90	117.94	1486.32	-1.87	0.98	1.94	3.28	3.28	-1.13	-2.37	94.00	-1483.28	372675.51	856239.03	32° 1' 13.782" N	103° 19' 2.209" W	152.34	-0.00	0.00	
1581.00	6.46	113.37	1579.68	-6.62	10.82	7.41	0.73	-0.47	-4.86	-131.87	94.00	-1389.92	372670.76	856248.87	32° 1' 13.734" N	103° 19' 2.095" W	121.43	-0.00	0.00	
1676.00	6.33	111.52	1674.09	-10.66	20.60	12.16	0.26	-0.14	-1.95	-123.16	95.00	-1295.51	372666.72	856258.65	32° 1' 13.693" N	103° 19' 1.982" W	117.35	-0.00	0.00	
1770.00	6.42	108.62	1767.51	-14.24	30.40	16.47	0.36	0.10	-3.09	-75.83	94.00	-1202.09	372663.14	856268.45	32° 1' 13.657" N	103° 19' 1.869" W	115.09	-0.00	-0.00	
1864.00	6.46	103.70	1860.91	-17.17	40.52	20.14	0.59	0.04	-5.23	-88.30	94.00	-1108.69	372660.21	856278.57	32° 1' 13.627" N	103° 19' 1.751" W	112.96	0.00	-0.00	
1958.00	6.33	98.25	1954.33	-19.16	50.79	22.90	0.66	-0.14	-5.80	-104.79	94.00	-1015.27	372658.22	856288.84	32° 1' 13.606" N	103° 19' 1.632" W	110.67	0.00	0.00	
2052.00	6.51	93.24	2047.74	-20.21	61.24	24.72	0.63	0.19	-5.33	-74.69	94.00	-921.86	372657.17	856299.29	32° 1' 13.595" N	103° 19' 1.511" W	108.26	0.00	-0.00	
2146.00	6.46	88.23	2141.14	-20.34	71.84	25.65	0.60	-0.05	-5.33	-97.54	94.00	-828.46	372657.04	856309.89	32° 1' 13.592" N	103° 19' 1.388" W	105.81	0.00	-0.00	
2241.00	6.46	82.26	2235.54	-19.46	82.48	25.56	0.71	0.00	-6.28	-92.97	95.00	-734.06	372657.92	856320.53	32° 1' 13.600" N	103° 19' 1.264" W	103.28	0.00	-0.00	
2335.00	6.37	78.21	2328.95	-17.68	92.82	24.56	0.49	-0.10	-4.31	-103.26	94.00	-640.65	372659.70	856330.87	32° 1' 13.617" N	103° 19' 1.144" W	100.79	0.00	-0.00	
2429.00	6.46	72.68	2422.36	-15.04	102.98	22.69	0.66	0.10	-5.88	-84.47	94.00	-547.24	372662.34	856341.03	32° 1' 13.642" N	103° 19' 1.026" W	98.31	-0.00	0.00	
2523.00	6.33	66.17	2515.78	-11.37	112.76	19.76	0.78	-0.14	-6.93	-103.39	94.00	-453.82	372666.01	856350.81	32° 1' 13.677" N	103° 19' 0.912" W	95.76	-0.00	-0.00	
2618.00	6.37	65.82	2610.20	-7.10	122.36	16.21	0.06	0.04	-0.37	-44.24	95.00	-359.40	372670.28	856360.41	32° 1' 13.719" N	103° 19' 0.800" W	93.32	0.00	-0.00	
2712.00	6.55	67.40	2703.60	-2.90	132.07	12.75	0.27	0.19	1.68	45.43	94.00	-266.00	372674.48	856370.12	32° 1' 13.759" N	103° 19' 0.687" W	91.26	-0.00	-0.00	
2806.00	6.37	68.63	2797.00	1.06	141.87	9.53	0.24	-0.19	1.31	143.06	94.00	-172.60	372678.44	856379.92	32° 1' 13.798" N	103° 19' 0.572" W	89.57	0.00	-0.00	
2900.00	6.33	68.28	2890.43	4.87	151.54	6.45	0.06	-0.04	-0.37	-136.11	94.00	-79.17	372682.25	856389.59	32° 1' 13.835" N	103° 19' 0.459" W	88.16	-0.00	0.00	
2994.00	6.33	68.46	2983.85	8.69	161.18	3.36	0.02	0.00	0.19	90.09	94.00	14.25	372686.07	856399.23	32° 1' 13.871" N	103° 19' 0.347" W	86.91	0.00	0.00	
3089.00	6.33	69.34	3078.27	12.47	170.95	0.33	0.10	0.00	0.93	90.44	95.00	108.67	372689.85	856409.00	32° 1' 13.908" N	103° 19' 0.233" W	85.83	-0.00	-0.00	
3183.00	6.15	69.95	3171.72	16.02	180.53	-2.50	0.20	-0.19	0.65	160.08	94.00	202.12	372693.40	856418.58	32° 1' 13.942" N	103° 19' 0.122" W	84.93	-0.00	-0.00	
3277.00	6.15	70.13	3265.18	19.46	190.00	-5.22	0.02	0.00	0.19	90.09	94.00	295.58	372696.84	856428.05	32° 1' 13.975" N	103° 19' 0.011" W	84.15	0.00	0.00	
3371.00	6.15	68.72	3358.63	23.00	199.42	-8.05	0.16	0.00	-1.50	-90.70	94.00	389.03	372700.38	856437.47	32° 1' 14.009" N	103° 18' 59.901" W	83.42	0.00	0.00	
3465.00	6.15	67.58	3452.09	26.74	208.77	-11.09	0.13	0.00	-1.21	-90.57	94.00	482.49	372704.12	856446.82	32° 1' 14.046" N	103° 18' 59.793" W	82.70	0.00	-0.00	
3559.00	6.15	67.05	3545.55	30.63	218.06	-14.27	0.06	0.00	-0.56	-90.26	94.00	575.95	372708.01	856456.11	32° 1' 14.083" N	103° 18' 59.684" W	82.00	0.00	-0.00	
3653.00	6.29	72.50	3639.00	34.14	227.61	-17.06	0.65	0.15	5.80	79.38	94.00	669.40	372711.52	856465.66	32° 1' 14.117" N	103° 18' 59.573" W	81.47	-0.00	-0.00	
3748.00	6.33	74.96	3733.43	37.06	237.63	-19.23	0.29	0.04	2.59	82.81	95.00	763.83	372714.44	856475.68	32° 1' 14.145" N	103° 18' 59.456" W	81.13	-0.00	-0.00	
3842.00	6.29	73.03	3826.86	39.91	247.56	-21.32	0.23	-0.04	-2.05	-101.64	94.00	857.26	372717.29	856485.61	32° 1' 14.172" N	103° 18' 59.341" W	80.84	-0.00	-0.00	
3937.00	6.36	70.83	3921.28	43.16	257.51	-23.82	0.27	0.07	-2.32	-74.99	95.00	951.68	372720.54	856495.56	32° 1' 14.204" N	103° 18' 59.225" W	80.49	-0.00	0.00	
4030.00	6.51	71.45	4013.69	46.53	267.37	-26.44	0.18	0.16	0.67	25.16	93.00	1044.09	372723.91	856505.42	32° 1' 14.236" N	103° 18' 59.110" W	80.13	-0.00	-0.00	
4125.00	6.15	69.69	4108.11	50.01	277.25	-29.18	0.43	-0.38	-1.85	-152.55	95.00	1138.51	372727.39	856515.30	32° 1' 14.269" N	103° 18' 58.995" W	79.78	0.00	0.00	
4219.00	6.37	69.69	4201.55	53.56	286.86	-32.01	0.23	0.23	0.00	0.00	94.00	1231.95	372730.94	856524.91	32° 1' 14.304" N	103° 18' 58.883" W	79.42	-0.00	0.00	

4314.00	6.42	69.16	4295.96	57.28	296.77	-34.98	0.08	0.05	-0.56	-50.00	95.00	1326.36	372734.66	856534.82	32° 1' 14.340" N	103° 18' 58.767" W	79.07	-0.00	-0.00	
4408.00	6.42	68.72	4389.37	61.06	306.57	-38.01	0.05	0.00	-0.47	-90.22	94.00	1419.77	372738.44	856544.62	32° 1' 14.376" N	103° 18' 58.653" W	78.74	0.00	-0.00	
4504.00	6.24	68.99	4484.79	64.88	316.45	-41.08	0.19	-0.19	0.28	170.74	96.00	1515.19	372742.26	856554.50	32° 1' 14.413" N	103° 18' 58.538" W	78.41	-0.00	0.00	
4599.00	6.11	67.67	4579.23	68.65	325.94	-44.13	0.20	-0.14	-1.39	-133.13	95.00	1609.63	372746.03	856563.99	32° 1' 14.449" N	103° 18' 58.427" W	78.11	0.00	-0.00	
4693.00	6.15	64.33	4672.70	72.73	335.11	-47.52	0.38	0.04	-3.55	-85.26	94.00	1703.10	372750.11	856573.16	32° 1' 14.489" N	103° 18' 58.320" W	77.75	-0.00	0.00	
4787.00	6.24	62.92	4766.15	77.24	344.20	-51.34	0.19	0.10	-1.50	-60.10	94.00	1796.55	372754.62	856582.25	32° 1' 14.533" N	103° 18' 58.214" W	77.35	0.00	-0.00	
4882.00	6.15	61.87	4860.59	81.99	353.28	-55.39	0.15	-0.09	-1.11	-128.98	95.00	1890.99	372759.37	856591.33	32° 1' 14.579" N	103° 18' 58.108" W	76.93	-0.00	0.00	
4976.00	6.29	61.60	4954.04	86.81	362.25	-59.53	0.15	0.15	-0.29	-11.94	94.00	1984.44	372764.19	856600.30	32° 1' 14.626" N	103° 18' 58.003" W	76.52	-0.00	0.00	
5070.00	6.11	62.92	5047.49	91.54	371.23	-63.58	0.24	-0.19	1.40	142.28	94.00	2077.89	372768.92	856609.28	32° 1' 14.672" N	103° 18' 57.899" W	76.15	-0.00	-0.00	
5164.00	6.24	66.52	5140.95	95.85	380.37	-67.20	0.43	0.14	3.83	73.24	94.00	2171.35	372773.23	856618.42	32° 1' 14.713" N	103° 18' 57.792" W	75.86	0.00	0.00	
5259.00	6.20	71.01	5235.39	99.58	389.96	-70.20	0.51	-0.04	4.73	96.93	95.00	2265.79	372776.96	856628.01	32° 1' 14.746" N	103° 18' 57.680" W	75.68	-0.00	0.00	
5353.00	6.29	75.40	5328.83	102.53	399.74	-72.41	0.52	0.10	4.67	81.51	94.00	2359.23	372779.91	856637.79	32° 1' 14.778" N	103° 18' 57.566" W	75.61	-0.00	-0.00	
5447.00	6.24	76.10	5422.27	105.05	409.68	-74.18	0.10	-0.05	0.74	123.55	94.00	2452.67	372782.43	856647.73	32° 1' 14.802" N	103° 18' 57.450" W	75.62	0.00	0.00	
5541.00	6.20	73.82	5515.72	107.69	419.52	-76.08	0.27	-0.04	-2.43	-100.33	94.00	2546.12	372785.07	856657.57	32° 1' 14.827" N	103° 18' 57.336" W	75.60	-0.00	-0.00	
5635.00	6.15	73.47	5609.17	110.54	429.22	-78.20	0.07	-0.05	-0.37	-143.20	94.00	2639.57	372787.92	856667.27	32° 1' 14.854" N	103° 18' 57.223" W	75.56	-0.00	-0.00	
5730.00	6.24	73.38	5703.61	113.47	439.05	-80.38	0.10	0.09	-0.09	-6.20	95.00	2734.01	372790.85	856677.10	32° 1' 14.882" N	103° 18' 57.109" W	75.51	0.00	-0.00	
5824.00	6.11	72.06	5797.07	116.47	448.70	-82.66	0.20	-0.14	-1.40	-133.13	94.00	2827.47	372793.85	856686.75	32° 1' 14.911" N	103° 18' 56.996" W	75.45	0.00	-0.00	
5918.00	6.11	70.30	5890.54	119.69	458.17	-85.17	0.20	0.00	-1.87	-90.88	94.00	2920.94	372797.07	856696.22	32° 1' 14.942" N	103° 18' 56.886" W	75.36	-0.00	0.00	
6013.00	4.88	67.23	5985.10	122.96	466.66	-87.79	1.33	-1.29	-3.23	-168.08	95.00	3015.50	372800.34	856704.71	32° 1' 14.974" N	103° 18' 56.787" W	75.24	-0.00	-0.00	
6107.00	3.03	60.20	6078.87	125.75	472.50	-90.13	2.03	-1.97	-7.48	-168.80	94.00	3109.27	372803.13	856710.55	32° 1' 15.001" N	103° 18' 56.719" W	75.10	0.00	-0.00	
6201.00	1.45	44.90	6172.80	127.82	475.49	-91.98	1.78	-1.68	-16.28	-166.80	94.00	3203.20	372805.20	856713.54	32° 1' 15.021" N	103° 18' 56.684" W	74.95	-0.00	0.00	
6295.00	0.75	21.00	6266.78	129.24	476.55	-93.31	0.87	-0.74	-25.43	-158.32	94.00	3297.18	372806.62	856714.60	32° 1' 15.035" N	103° 18' 56.671" W	74.83	0.00	0.00	
6389.00	2.68	15.90	6360.73	131.93	477.38	-95.93	2.06	2.05	-5.43	-7.07	94.00	3391.13	372809.31	856715.43	32° 1' 15.061" N	103° 18' 56.661" W	74.55	-0.00	0.00	
6484.00	4.70	12.38	6455.53	137.87	478.82	-101.75	2.14	2.13	-3.71	-8.16	95.00	3485.93	372815.25	856716.87	32° 1' 15.120" N	103° 18' 56.644" W	73.94	-0.00	-0.00	
6578.00	4.53	8.25	6549.23	145.30	480.18	-109.06	0.40	-0.18	-4.39	-119.14	94.00	3579.63	372822.68	856718.23	32° 1' 15.193" N	103° 18' 56.627" W	73.16	0.00	-0.00	
6672.00	4.40	8.60	6642.94	152.54	481.25	-116.20	0.14	-0.14	0.37	168.34	94.00	3673.34	372829.92	856719.30	32° 1' 15.265" N	103° 18' 56.614" W	72.41	-0.00	-0.00	
6766.00	4.26	7.29	6736.67	159.57	482.23	-123.13	0.18	-0.15	-1.39	-145.41	94.00	3767.07	372836.95	856720.28	32° 1' 15.334" N	103° 18' 56.602" W	71.69	0.00	-0.00	
6860.00	4.35	7.37	6830.41	166.57	483.13	-130.05	0.10	0.10	0.09	3.86	94.00	3860.81	372843.95	856721.18	32° 1' 15.404" N	103° 18' 56.591" W	70.98	-0.00	0.00	
6955.00	4.22	6.50	6925.14	173.61	483.99	-137.01	0.15	-0.14	-0.92	-153.87	95.00	3955.54	372850.99	856722.04	32° 1' 15.473" N	103° 18' 56.580" W	70.27	0.00	-0.00	
7049.00	4.22	6.58	7018.89	180.48	484.78	-143.80	0.01	0.00	0.09	90.04	94.00	4049.29	372857.86	856722.83	32° 1' 15.541" N	103° 18' 56.570" W	69.58	0.00	0.00	
7143.00	4.13	6.41	7112.64	187.28	485.55	-150.53	0.10	-0.10	-0.18	-172.25	94.00	4143.04	372864.66	856723.60	32° 1' 15.608" N	103° 18' 56.560" W	68.91	-0.00	0.00	
7237.00	4.22	6.14	7206.39	194.09	486.30	-157.25	0.10	0.10	-0.29	-12.46	94.00	4236.79	372871.47	856724.35	32° 1' 15.676" N	103° 18' 56.551" W	68.24	-0.00	0.00	
7332.00	4.18	6.14	7301.13	201.00	487.04	-164.10	0.04	-0.04	0.00	180.00	95.00	4331.53	372878.38	856725.09	32° 1' 15.744" N	103° 18' 56.542" W	67.57	0.00	-0.00	
7426.00	4.18	5.44	7394.88	207.82	487.74	-170.84	0.05	0.00	-0.74	-90.35	94.00	4425.28	372885.20	856725.79	32° 1' 15.811" N	103° 18' 56.533" W	66.92	0.00	-0.00	
7520.00	4.31	7.55	7488.62	214.73	488.53	-177.68	0.22	0.14	2.24	51.28	94.00	4519.02	372892.11	856726.58	32° 1' 15.880" N	103° 18' 56.523" W	66.27	-0.00	-0.00	
7615.00	4.09	6.50	7583.37	221.64	489.38	-184.50	0.25	-0.23	-1.11	-161.26	95.00	4613.77	372899.02	856727.43	32° 1' 15.948" N	103° 18' 56.512" W	65.63	-0.00	0.00	
7709.00	1.58	352.34	7677.25	226.25	489.58	-189.08	2.75	-2.67	15.06	-171.41	94.00	4707.65	372903.63	856727.63	32° 1' 15.994" N	103° 18' 56.509" W	65.20	-0.00	0.00	
7803.00	0.09	358.23	7771.24	227.61	489.41	-190.45	1.59	-1.59	6.27	179.64	94.00	4801.64	372904.99	856727.46	32° 1' 16.007" N	103° 18' 56.511" W	65.06	0.00	0.00	
7897.00	0.09	22.49	7865.24	227.75	489.44	-190.59	0.04	0.00	25.81	102.13	94.00	4895.64	372905.13	856727.49	32° 1' 16.008" N	103° 18' 56.511" W	65.05	-0.00	-0.00	
7990.00	0.57	131.56	7958.23	227.51	489.81	-190.33	0.65	0.52	117.28	117.15	93.00	4988.63	372904.89	856727.86	32° 1' 16.006" N	103° 18' 56.507" W	65.09	0.00	-0.00	
8085.00	1.71	160.30	8053.21	225.87	490.64	-188.62	1.31	1.20	30.25	41.50	95.00	5083.61	372903.25	856728.69	32° 1' 15.990" N	103° 18' 56.497" W	65.28	0.00	0.00	
8179.00	2.20	209.17	8147.16	222.97	490.23	-185.76	1.78	0.52	51.99	99.00	94.00	5177.56	372900.35	856728.28	32° 1' 15.961" N	103° 18' 56.502" W	65.54	0.00	-0.00	
8273.00	2.46	251.71	8241.09	220.76	487.44	-183.77	1.82	0.28	45.26	103.10	94.00	5271.49	372898.14	856725.49	32° 1' 15.939" N	103° 18' 56.535" W	65.63	0.00	-0.00	
8367.00	2.51	295.13	8335.01	221.00	483.66	-184.29	1.96	0.05	46.19	110.24	94.00	5365.41	372898.38	856721.71	32° 1' 15.942" N	103° 18' 56.579" W	65.44	0.00	-0.00	
8462.00	2.51	334.33	8429.93	223.76	480.88	-187.25	1.77	0.00	41.26	109.58	95.00	5460.33	372901.14	856718.93	32° 1' 15.970" N	103° 18' 56.611" W	65.05	-0.00	-0.00	
8556.00	2.29	22.58	8523.86	227.35	480.70	-190.84	2.10	-0.23	51.33	119.95	94.00	5554.26	372904.73	856718.75	32° 1' 16.005" N	103° 18' 56.612" W	64.69	0.00	-0.00	
8638.00	2.11	67.49	8605.80	229.44	482.73	-192.78	2.06	-0.22	54.77	118.09	82.00	5636.20	372906.82	856720.78	32° 1' 16.026" N	103° 18' 56.589" W	64.58	-0.00	0.00	
8732.00	2.24	106.78	8699.74	229.57	486.09	-192.66	1.56	0.14	41.80	104.85	94.00	5730.14	372906.95	856724.14	32° 1' 16.027" N	103° 18' 56.550" W	64.72	0.00	-0.00	
8827.00	2.73	116.27	8794.65	228.04	489.89	-190.84	0.67	0.52	9.99	44.83	95.00	5825.05	372905.42	856727.94	32° 1' 16.011" N	103° 18' 56.505" W	65.04	-0.00	-0.00	
8921.00	3.12	122.69	8888.53	225.66	494.05	-188.16	0.54	0.41	6.83	43.27	94.00	5918.93	372903.04	856732.10	32° 1' 15.987" N	103° 18' 56.457" W	65.45	0.00	0.00	
9015.00	3.12	108.89	8982.39	223.45	498.63	-185.62	0.80	0.00	-14.68	-96.89	94.00	6012.79	372900.83	856736.68	32° 1' 15.965" N	103° 18' 56.405" W	65.86	0.00	-0.00	
9110.00	2.73	92.54	9077.27	222.52	503.33	-184.33	0.96	-0.41	-17.21	-123.07	95.00	6107.67	372899.90	856741.38	32° 1' 15.955" N	103° 18' 56.350" W	66.15	0.00	0.00	
9204.00	3.08	78.48	9171.15	222.92	508.04	-184.38	0.84	0.37	-14.96	-70.98	94.00	6201.55	372900.30	856746.09	32° 1' 15.959" N	103° 18' 56.295" W	66.31	0.00	0.00	
9275.00	3.78	76.37	9242.02	223.85	512.19	-185.01	1.00	0.99	-2.97	-11.28	71.00	6272.42	372901.23	856750.24	32° 1' 15.968" N	103° 18' 56.247" W	66.39	-0.00	0.00	
9401.00	4.35	71.93	9367.70	226.32	520.77	-186.82	0.52	0.45	-3.52	-31.13	126.00	6398.10	372903.70	856758.82	32° 1' 15.991" N	103° 18' 56.147" W	66.51	0.64	-0.32	
9496.00	3.30	109.99	9462.50	226.50	526.76	-186.55	2.82	-1.11	40.06	130.71	95.00	6492.90	372903.88	856764.81	32° 1' 15.993" N	103° 18' 56.077" W	66.73	1.45	-0.80	
9590.00	3.21	139.35	9556.36	223.58	531.02	-183.32	1.76	-0.10	31.23	107.68	94.00	6586.76	372900.96	856769.07	32° 1' 15.963" N	103° 18' 56.028" W	67.17	3.04	-1.90	
9685.00	3.12	156.84	9651.22	219.18	533.77	-178.73	1.02	-0.09	18.41	104.02	95.00	6681.62	372896.56	856771.82	32° 1' 15.919" N	103° 18' 55.997" W	67.68	4.27	-4.13	
9779.00	3.08	156.48	9745.08	214.51	535.78	-173.93	0.05	-0.04	-0.38	-154.23	94.00	6775.48	372891.89	856773.83	32° 1' 15.873" N	103° 18' 55.974" W	68.18	6.19	-4.86	
9874.00	2.90	166.50	9839.95	209.84	537.36	-169.15	0.58	-0.19	10.55	113.96	95.00	6870.35	372887.22	856775.41	32° 1' 15.827" N	103° 18' 55.956" W	68.67	6.86	-6.51	
9968.00	2.90	173.62	9933.83	205.16	538.18	-164.42	0.38	0.00	7.57	93.56	94.00	6964.23	372882.54	856776.23	32° 1' 15.780" N	103° 18' 55.947" W	69.13	7.47	-7.39	
10063.00	2.86	173.97	10028.71	200.42	538.70	-159.65	0.05	-0.04	0.37	156.44	95.00	7059.11	372877.80	856776.75	32° 1' 15.733" N	103° 18' 55.942" W	69.59	8.89	-7.22	
10158.00	1.58	176.44	10123.64	196.75	539.03	-155.98	1.35	-1.35	2.60	176.96	95.00	7154.04	372874.13	856777.08	32° 1' 15.697" N	103° 18' 55.938" W	69.95	8.95	-7.33	
10253.00	1.58	176.17	10218.60	194.14	539.20	-153.36	0.01	0.00	-0.28	-90.13	95.00	7249.00	372871.52	856777.25	32° 1' 15.671" N	103° 18' 55.937" W	70.20	8.31	-6.92	
10348.00	1.23	186.28	10313.57	191.82	539.17	-151.04	0.45	-0.37	10.64	149.67	95.00	7343.97	372869.20	856777.22	32° 1' 15.648" N	103° 18' 55.937" W	70.42	6.09	-7.58	
10442.00	1.41	186.28	10407.55	189.67	538.94	-148.92	0.19	0.19	0.00	0.00	94.00	7437.95	372867.05	856776.99	32° 1' 15.627" N	103° 18' 55.940" W	70.61	5.11	-6.66	
10537.00	1.23	197.00	10502.52	187.53	538.51	-146.82	0.32	-0.19	11.28	131.37	95.00	7532.92	372864.91	856776.56	32° 1' 15.606" N	103° 18' 55.945" W	70.80	3.00	-6.20	
10631.00	1.32	227.32	10596.50	185.83	537.42	-145.20	0.72	0.10	32.26	97.73	94.00	7626.90	372863.21	856775.47	32° 1' 15.589" N	103° 18' 55.958" W	70.93	-0.36	-4.61	
10726.00	1.14	214.49	10691.48	184.31	536.08	-143.79	0.35	-0.19	-13.51	-129.47	95.00	7721.88	372861.69	856774.13	32° 1' 15.574" N	103° 18' 55.974" W	71.03	0.32	-2.01	
10821.00	1.23	226.97	10786.46	182.83	534.80	-142.41	0.29	0.09	13.14	77.09	95.00	7816.86	372860.21	856772.85	32° 1' 15.560" N	103° 18' 55.989" W	71.13	0.01	0.54	
10916.00	1.98	228.99	10881.42	181.06	532.81	-140.79	0.79	0.79	2.13	5.32	95.00	7911.82	372858.44	856770.86	32° 1' 15.542" N	103° 18' 56.012" W	71.23	0.98	3.35	
11010.00	2.37	234.97	10975.35	178.88	530.00	-138.83	0.48	0.41	6.36	33.21	94.00	8005.75	372856.26	856768.05	32° 1' 15.521" N	103° 18' 56.045" W	71.35	3.49	6.03	
11105.00	1.76	224.95	11070.29	176.72	527.36	-136.87	0.74	-0.64	-10.55	-154.32	95.00	8100.69	372854.10	856765.41	32° 1' 15.500" N	103° 18' 56.076" W	71.47	3.88	9.60	
11200.00	1.98	228.82	11165.24	174.61	525.09	-134.93	0.27	0.23	4.07	31.80	95.00	8195.64	372851.99	856763.14	32° 1' 15.479" N	103° 18' 56.103" W	71.61	5.90	12.06	
11294.00	2.37	240.16	11259.17	172.57	522.18	-133.12	0.62	0.41	12.06	53.58	94.00	8289.57	372849.95	856760.23	32° 1' 15.459" N	103° 18' 56.137" W	71.71	10.57	13.43	
11389.00	2.33	247.80	11354.09	170.86	518.69	-131.68	0.33	-0.04	8.04	101.08	95.00	8384.49	372848.24	856756.74	32° 1' 15.443" N	103° 18' 56.177" W	71.77	15.44	14.88	
11484.00	3.16	259.14	11448.98	169.64	514.33	-130.78	1.04	0.87	11.94	38.95	95.00	8479.38	372847.02	856752.38	32° 1' 15.431" N	103° 18' 56.228" W	71.75	22.52	14.50	
11507.00	3.12	258.00	11471.95	169.39	513.10	-130.63	0.32	-0.17	-4.96	-123.21	23.00	8502.35	372846.77	856751.15	32° 1' 15.429" N	103° 18' 56.242" W	71.73	23.46	15.76	
11580.00	2.46	248.33	11544.86	168.40	509.70	-129.89	1.11	-0.90	-13.25	-149.27	73.00	8575.26	372845.78	856747.75	32° 1' 15.419" N	103° 18' 56.282" W	71.72	23.49	22.30	
11627.00	5.58	193.84	11591.75	165.81	508.21	-127.42	9.80	6.64	-115.94	-80.17	47.00	8622.15	372843.19	856746.26	32° 1' 15.394" N	103° 18' 56.299" W	71.93	-3.16	33.56	
11674.00	9.41	190.76	11638.34	159.81	506.95	-121.53	8.19	8.15	-6.55	-7.52	47.00	8668.74	372837.19	856745.00	32° 1' 15.335" N	103° 18' 56.315" W	72.50	-3.00	34.39	
11721.00	14.37	191.55	11684.32	150.32	505.06	-112.20	10.56	10.55	1.68	2.27	47.00	8714.72	372827.70	856743.11	32° 1' 15.241" N	103° 18' 56.338" W	73.43	-1.52	36.02	
11769.00	18.95	192.52	11730.29	136.87	502.18	-99.01	9.56	9.54	2.02	3.94	48.00	8760.69	372814.25	856740.23	32° 1' 15.108" N	103° 18' 56.373" W	74.75	-0.55	38.52	
11816.00	24.04	188.56	11774.01	119.94	499.10	-82.35	11.26	10.83	-8.43	-17.77	47.00	8804.41	372797.32	856737.15	32° 1' 14.941" N	103° 18' 56.410" W	76.49	-3.47	40.96	
11863.00	28.62	183.47	11816.13	99.22	496.99	-61.85	10.86	9.74	-10.83	-28.54	47.00	8846.53	372776.60	856735.04	32° 1' 14.736" N	103° 18' 56.437" W	78.71	-7.77	41.90	
11910.00	32.84	180.04	11856.53	75.23	496.30	-37.98	9.72	8.98	-7.30	-24.04	47.00	8886.93	372752.61	856734.35	32° 1' 14.499" N	103° 18' 56.448" W	81.38	-11.76	41.11	
11958.00	37.05	181.09	11895.86	47.74	496.02	-10.59	8.86	8.77	2.19	8.56	48.00	8926.26	372725.12	856734.07	32° 1' 14.227" N	103° 18' 56.454" W	84.50	-14.10	40.37	
12005.00	43.74	178.46	11931.64	17.31	496.18	19.77	14.69	14.23	-5.60	-15.31	47.00	8962.04	372694.69	856734.23	32° 1' 13.925" N	103° 18' 56.455" W	88.00	-18.37	38.24	
12052.00	50.11	174.59	11963.73	-16.93	498.32	54.07	14.82	13.55	-8.23	-25.27	47.00	8994.13	372660.45	856736.37	32° 1' 13.587" N	103° 18' 56.434" W	91.95	-21.81	33.59	
12099.00	57.85	173.45	11991.35	-54.70	502.30	92.04	16.58	16.47	-2.43	-7.13	47.00	9021.75	372622.68	856740.35	32° 1' 13.212" N	103° 18' 56.392" W	96.22	-22.29	27.82	

12144.00	64.97	174.24	12012.87	-93.96	506.52	131.50	15.90	15.82	1.76	5.76	45.00	9043.27	372583.42	856744.57	32° 1' 12.824" N	103° 18' 56.348" W	100.51	-20.55	22.27	
12193.00	72.48	175.38	12030.64	-139.40	510.64	177.12	15.48	15.33	2.33	8.26	49.00	9061.04	372537.98	856748.69	32° 1' 12.374" N	103° 18' 56.305" W	105.27	-17.24	16.55	
12241.00	80.13	176.88	12041.99	-185.90	513.77	223.72	16.22	15.94	3.13	10.97	48.00	9072.39	372491.48	856751.82	32° 1' 11.913" N	103° 18' 56.273" W	109.89	-12.53	11.60	
12288.00	87.47	178.81	12047.07	-232.56	515.52	270.38	16.14	15.62	4.11	14.76	47.00	9077.47	372444.82	856753.57	32° 1' 11.451" N	103° 18' 56.258" W	114.28	-6.49	7.77	
12335.00	89.41	179.86	12048.34	-279.53	516.07	317.27	4.69	4.13	2.23	28.43	47.00	9078.74	372397.85	856754.12	32° 1' 10.986" N	103° 18' 56.257" W	118.44	-1.34	4.85	
12430.00	90.33	180.04	12048.56	-374.53	516.15	412.01	0.99	0.97	0.19	11.07	95.00	9078.96	372302.85	856754.20	32° 1' 10.046" N	103° 18' 56.266" W	125.97	0.52	-0.17	
12524.00	90.15	179.95	12048.17	-468.53	516.16	505.74	0.21	-0.19	-0.10	-153.43	94.00	9078.57	372208.85	856754.21	32° 1' 9.116" N	103° 18' 56.277" W	132.23	1.29	-5.08	
12618.00	90.11	180.21	12047.95	-562.53	516.03	599.47	0.28	-0.04	0.28	98.75	94.00	9078.35	372114.85	856754.08	32° 1' 8.186" N	103° 18' 56.288" W	137.47	1.88	-9.86	
12712.00	89.58	180.74	12048.21	-656.52	515.25	693.15	0.80	-0.56	0.56	135.00	94.00	9078.61	372020.86	856753.30	32° 1' 7.256" N	103° 18' 56.308" W	141.87	2.01	-13.98	
12806.00	90.77	181.01	12047.92	-750.51	513.81	786.77	1.30	1.27	0.29	12.78	94.00	9078.32	371926.87	856751.86	32° 1' 6.326" N	103° 18' 56.335" W	145.60	2.66	-17.45	
12900.00	89.49	180.92	12047.71	-844.50	512.23	880.37	1.37	-1.36	-0.10	-175.98	94.00	9078.11	371832.88	856750.28	32° 1' 5.397" N	103° 18' 56.363" W	148.76	3.34	-19.60	
12994.00	89.54	181.01	12048.50	-938.48	510.65	973.97	0.11	0.05	0.10	60.94	94.00	9078.90	371738.90	856748.70	32° 1' 4.467" N	103° 18' 56.392" W	151.45	3.28	-17.50	
13089.00	89.80	181.18	12049.05	-1033.46	508.83	1068.55	0.33	0.27	0.18	33.18	95.00	9079.45	371643.92	856746.88	32° 1' 3.527" N	103° 18' 56.423" W	153.79	3.27	-14.92	
13183.00	89.93	181.18	12049.27	-1127.44	506.90	1162.13	0.14	0.14	0.00	0.00	94.00	9079.67	371549.94	856744.95	32° 1' 2.597" N	103° 18' 56.456" W	155.79	3.43	-12.23	
13277.00	87.78	179.42	12051.15	-1221.41	506.40	1255.80	2.96	-2.29	-1.87	-140.72	94.00	9081.55	371455.97	856744.45	32° 1' 1.668" N	103° 18' 56.472" W	157.48	1.92	-10.98	
13372.00	89.19	177.93	12053.66	-1316.35	508.60	1350.63	2.16	1.48	-1.57	-46.59	95.00	9084.06	371361.03	856746.65	32° 1' 0.728" N	103° 18' 56.457" W	158.87	-0.20	-12.41	
13466.00	88.09	177.05	12055.89	-1410.23	512.72	1444.56	1.50	-1.17	-0.94	-141.36	94.00	9086.29	371267.15	856750.77	32° 0' 59.799" N	103° 18' 56.420" W	160.02	-2.04	-15.78	
13561.00	90.59	177.58	12056.99	-1505.11	517.17	1539.51	2.69	2.63	0.56	11.97	95.00	9087.39	371172.27	856755.22	32° 0' 58.859" N	103° 18' 56.378" W	161.04	-2.78	-19.46	
13655.00	89.89	177.49	12056.59	-1599.02	521.21	1633.46	0.75	-0.74	-0.10	-172.67	94.00	9086.99	371078.36	856759.26	32° 0' 57.930" N	103° 18' 56.342" W	161.95	-2.00	-22.75	
13749.00	90.81	178.98	12056.02	-1692.97	524.10	1727.36	1.86	0.98	1.59	58.30	94.00	9086.42	370984.41	856762.15	32° 0' 57.000" N	103° 18' 56.318" W	162.80	-1.05	-24.89	
13844.00	90.02	179.51	12055.33	-1787.96	525.36	1822.18	1.00	-0.83	0.56	146.14	95.00	9085.73	370889.42	856763.41	32° 0' 56.060" N	103° 18' 56.314" W	163.63	0.02	-25.38	
13938.00	89.32	180.30	12055.87	-1881.96	525.51	1915.93	1.12	-0.74	0.84	131.55	94.00	9086.27	370795.42	856763.56	32° 0' 55.130" N	103° 18' 56.323" W	164.40	-0.15	-24.78	
14032.00	88.13	179.86	12057.96	-1975.93	525.38	2009.63	1.35	-1.27	-0.47	-159.72	94.00	9088.36	370701.45	856763.43	32° 0' 54.200" N	103° 18' 56.334" W	165.11	-1.87	-23.90	
14127.00	91.08	180.48	12058.62	-2070.92	525.10	2104.33	3.17	3.11	0.65	11.87	95.00	9089.02	370606.46	856763.15	32° 0' 53.260" N	103° 18' 56.348" W	165.77	-2.33	-22.85	
14221.00	91.08	181.45	12056.85	-2164.89	523.52	2197.92	1.03	0.00	1.03	89.99	94.00	9087.25	370512.49	856761.57	32° 0' 52.331" N	103° 18' 56.377" W	166.41	-0.37	-20.52	
14315.00	89.01	180.83	12056.77	-2258.86	521.65	2291.49	2.30	-2.20	-0.66	-163.32	94.00	9087.17	370418.52	856759.70	32° 0' 51.401" N	103° 18' 56.409" W	167.00	-0.14	-17.89	
14409.00	90.90	178.98	12056.85	-2352.85	521.80	2385.23	2.81	2.01	-1.97	-44.39	94.00	9087.25	370324.53	856759.85	32° 0' 50.471" N	103° 18' 56.417" W	167.50	-0.03	-17.29	
14503.00	90.55	178.46	12055.66	-2446.82	523.90	2479.10	0.67	-0.37	-0.55	-123.94	94.00	9086.06	370230.56	856761.95	32° 0' 49.541" N	103° 18' 56.403" W	167.91	1.34	-18.64	
14597.00	90.07	178.11	12055.15	-2540.78	526.71	2573.00	0.63	-0.51	-0.37	-143.90	94.00	9085.55	370136.60	856764.76	32° 0' 48.611" N	103° 18' 56.381" W	168.29	2.03	-20.70	
14692.00	90.15	178.63	12054.97	-2635.74	529.42	2667.90	0.55	0.08	0.55	81.25	95.00	9085.37	370041.64	856767.47	32° 0' 47.671" N	103° 18' 56.360" W	168.64	2.40	-22.64	
14786.00	90.68	178.72	12054.29	-2729.71	531.59	2761.77	0.57	0.56	0.10	9.64	94.00	9084.69	369947.67	856769.64	32° 0' 46.741" N	103° 18' 56.345" W	168.98	3.25	-24.06	
14880.00	92.26	180.13	12051.87	-2823.67	532.53	2855.54	2.25	1.68	1.50	41.72	94.00	9082.27	369853.71	856770.58	32° 0' 45.811" N	103° 18' 56.344" W	169.32	5.86	-24.24	
14974.00	92.79	180.83	12047.73	-2917.58	531.75	2949.12	0.93	0.56	0.74	52.83	94.00	9078.13	369759.80	856769.80	32° 0' 44.882" N	103° 18' 56.363" W	169.67	10.18	-22.70	
15069.00	87.56	181.27	12047.44	-3012.53	530.01	3043.68	5.52	-5.51	0.46	175.19	95.00	9077.84	369664.85	856768.06	32° 0' 43.943" N	103° 18' 56.394" W	170.02	10.62	-20.21	
15163.00	88.75	181.88	12050.47	-3106.44	527.42	3137.14	1.42	1.27	0.65	27.14	94.00	9080.87	369570.94	856765.47	32° 0' 43.014" N	103° 18' 56.434" W	170.36	7.81	-16.87	
15257.00	88.66	180.92	12052.59	-3200.39	525.13	3230.65	1.03	-0.10	-1.02	-95.37	94.00	9082.99	369476.99	856763.18	32° 0' 42.084" N	103° 18' 56.471" W	170.68	5.91	-13.82	
15352.00	90.15	182.32	12053.58	-3295.34	522.44	3325.14	2.15	1.57	1.47	43.22	95.00	9083.98	369382.04	856760.49	32° 0' 41.145" N	103° 18' 56.513" W	170.99	5.18	-10.36	
15446.00	89.71	179.42	12053.70	-3389.32	521.02	3418.75	3.12	-0.47	-3.09	-98.63	94.00	9084.10	369288.06	856759.07	32° 0' 40.215" N	103° 18' 56.540" W	171.26	5.32	-8.18	
15540.00	90.29	179.60	12053.70	-3483.31	521.82	3512.54	0.65	0.62	0.19	17.24	94.00	9084.10	369194.07	856759.87	32° 0' 39.285" N	103° 18' 56.541" W	171.48	5.59	-8.23	
15634.00	89.85	179.07	12053.58	-3577.31	522.91	3606.35	0.73	-0.47	-0.56	-129.70	94.00	9083.98	369100.07	856760.96	32° 0' 38.355" N	103° 18' 56.538" W	171.68	6.00	-8.57	
15728.00	89.93	178.98	12053.76	-3671.29	524.51	3700.20	0.13	0.09	-0.10	-48.37	94.00	9084.16	369006.09	856762.56	32° 0' 37.425" N	103° 18' 56.530" W	171.87	6.12	-9.41	
15822.00	90.11	178.90	12053.73	-3765.28	526.25	3794.05	0.21	0.19	-0.09	-23.96	94.00	9084.13	368912.10	856764.30	32° 0' 36.495" N	103° 18' 56.520" W	172.04	6.49	-10.40	
15917.00	90.33	178.37	12053.36	-3860.25	528.51	3888.93	0.60	0.23	-0.56	-67.46	95.00	9083.76	368817.13	856766.56	32° 0' 35.555" N	103° 18' 56.504" W	172.20	7.20	-11.90	
16011.00	90.55	177.93	12052.64	-3954.20	531.55	3982.84	0.52	0.23	-0.47	-63.43	94.00	9083.04	368723.18	856769.60	32° 0' 34.625" N	103° 18' 56.479" W	172.34	8.29	-14.18	
16105.00	89.41	176.79	12052.67	-4048.09	535.88	4076.80	1.72	-1.21	-1.21	-135.00	94.00	9083.07	368629.29	856773.93	32° 0' 33.695" N	103° 18' 56.439" W	172.46	8.65	-17.75	
16200.00	89.19	176.61	12053.84	-4142.93	541.34	4171.78	0.30	-0.23	-0.19	-140.71	95.00	9084.24	368534.45	856779.39	32° 0' 32.756" N	103° 18' 56.386" W	172.56	7.91	-22.45	
16294.00	90.33	178.11	12054.23	-4236.82	545.67	4265.73	2.00	1.21	1.60	52.77	94.00	9084.63	368440.56	856783.72	32° 0' 31.827" N	103° 18' 56.346" W	172.66	7.90	-26.04	
16388.00	90.33	178.11	12053.69	-4330.77	548.77	4359.65	0.00	0.00	0.00	0.00	94.00	9084.09	368346.61	856786.82	32° 0' 30.897" N	103° 18' 56.320" W	172.78	8.87	-28.38	
16482.00	89.93	177.75	12053.47	-4424.71	552.17	4453.58	0.57	-0.43	-0.38	-138.01	94.00	9083.87	368252.67	856790.22	32° 0' 29.967" N	103° 18' 56.291" W	172.89	9.56	-31.02	
16576.00	89.76	178.19	12053.73	-4518.65	555.50	4547.50	0.50	-0.18	0.47	111.13	94.00	9084.13	368158.73	856793.55	32° 0' 29.037" N	103° 18' 56.263" W	172.99	9.78	-33.60	
16671.00	90.24	178.72	12053.73	-4613.61	558.06	4642.40	0.75	0.51	0.56	47.83	95.00	9084.13	368063.77	856796.11	32° 0' 28.098" N	103° 18' 56.243" W	173.10	10.27	-35.40	
16765.00	90.24	178.28	12053.33	-4707.58	560.52	4736.28	0.47	0.00	-0.47	-90.00	94.00	9083.73	367969.80	856798.57	32° 0' 27.168" N	103° 18' 56.225" W	173.21	11.17	-37.11	
16859.00	89.36	181.36	12053.66	-4801.57	560.82	4830.03	3.41	-0.94	3.28	105.95	94.00	9084.06	367875.81	856798.87	32° 0' 26.238" N	103° 18' 56.232" W	173.34	11.36	-36.65	
16954.00	89.63	181.62	12054.50	-4896.53	558.35	4924.55	0.39	0.28	0.27	43.92	95.00	9084.90	367780.85	856796.40	32° 0' 25.298" N	103° 18' 56.271" W	173.49	11.08	-33.41	
17048.00	88.75	181.53	12055.83	-4990.49	555.76	5018.05	0.94	-0.94	-0.10	-174.16	94.00	9086.23	367686.89	856793.81	32° 0' 24.369" N	103° 18' 56.311" W	173.65	10.29	-30.08	
17142.00	88.40	182.06	12058.17	-5084.41	552.82	5111.49	0.68	-0.37	0.56	123.45	94.00	9088.57	367592.97	856790.87	32° 0' 23.440" N	103° 18' 56.356" W	173.79	8.51	-26.39	
17236.00	88.00	181.36	12061.12	-5178.32	550.01	5204.93	0.86	-0.43	-0.74	-119.77	94.00	9091.52	367499.06	856788.06	32° 0' 22.511" N	103° 18' 56.399" W	173.94	6.15	-22.83	
17330.00	90.81	179.78	12062.10	-5272.30	549.08	5298.57	3.43	2.99	-1.68	-29.36	94.00	9092.50	367405.08	856787.13	32° 0' 21.581" N	103° 18' 56.420" W	174.05	5.82	-21.13	
17424.00	88.62	178.55	12062.56	-5366.28	550.45	5392.40	2.67	-2.33	-1.31	-150.68	94.00	9092.96	367311.10	856788.50	32° 0' 20.651" N	103° 18' 56.414" W	174.14	5.99	-21.74	
17518.00	91.38	179.95	12062.56	-5460.26	551.68	5486.21	3.29	2.94	1.49	26.90	94.00	9092.96	367217.12	856789.73	32° 0' 19.721" N	103° 18' 56.410" W	174.23	6.62	-22.22	
17613.00	88.35	181.18	12062.79	-5555.24	550.74	5580.85	3.44	-3.19	1.29	157.90	95.00	9093.19	367122.14	856788.79	32° 0' 18.781" N	103° 18' 56.431" W	174.34	7.06	-20.53	
17707.00	85.93	181.62	12067.48	-5649.09	548.45	5674.27	2.62	-2.57	0.47	169.72	94.00	9097.88	367028.29	856786.50	32° 0' 17.853" N	103° 18' 56.468" W	174.45	3.01	-17.48	
17801.00	87.16	179.69	12073.14	-5742.91	547.38	5767.74	2.43	1.31	-2.05	-57.50	94.00	9103.54	366934.47	856785.43	32° 0' 16.924" N	103° 18' 56.491" W	174.56	-1.91	-15.65	
17896.00	90.46	176.70	12075.12	-5837.82	550.37	5862.61	4.69	3.47	-3.15	-42.21	95.00	9105.52	366839.56	856788.42	32° 0' 15.985" N	103° 18' 56.466" W	174.61	-3.16	-17.88	
17990.00	90.77	176.17	12074.11	-5931.63	556.22	5956.60	0.65	0.33	-0.56	-59.67	94.00	9104.51	366745.75	856794.27	32° 0' 15.056" N	103° 18' 56.409" W	174.64	-1.42	-22.97	
18084.00	90.73	176.44	12072.88	-6025.42	562.27	6050.58	0.29	-0.04	0.29	98.43	94.00	9103.28	366651.96	856800.32	32° 0' 14.128" N	103° 18' 56.349" W	174.67	0.03	-28.28	
18179.00	90.95	178.37	12071.48	-6120.31	566.57	6145.53	2.04	0.23	2.03	83.48	95.00	9101.88	366557.07	856804.62	32° 0' 13.188" N	103° 18' 56.309" W	174.71	0.14	-31.82	
18273.00	91.52	178.19	12069.46	-6214.25	569.39	6239.41	0.64	0.61	-0.19	-17.52	94.00	9099.86	366463.13	856807.44	32° 0' 12.258" N	103° 18' 56.287" W	174.76	0.88	-33.88	
18367.00	92.44	180.83	12066.21	-6308.18	570.20	6333.14	2.97	0.98	2.81	70.73	94.00	9096.61	366369.20	856808.25	32° 0' 11.329" N	103° 18' 56.288" W	174.84	2.90	-33.93	
18461.00	89.32	180.83	12064.77	-6402.15	568.84	6426.74	3.32	-3.32	0.00	180.00	94.00	9095.17	366275.23	856806.89	32° 0' 10.399" N	103° 18' 56.314" W	174.92	3.03	-31.82	
18556.00	89.85	181.01	12065.45	-6497.13	567.31	6521.35	0.59	0.56	0.19	18.76	95.00	9095.85	366180.25	856805.36	32° 0' 9.460" N	103° 18' 56.342" W	175.01	1.05	-29.53	
18650.00	88.92	180.39	12066.46	-6591.12	566.16	6614.99	1.19	-0.99	-0.66	-146.31	94.00	9096.86	366086.26	856804.21	32° 0' 8.530" N	103° 18' 56.365" W	175.09	-1.24	-27.63	
18745.00	90.95	181.01	12066.57	-6686.10	565.00	6709.63	2.23	2.14	0.65	16.98	95.00	9096.97	365991.28	856803.05	32° 0' 7.590" N	103° 18' 56.389" W	175.17	-2.63	-25.70	
18839.00	89.76	180.30	12065.99	-6780.09	563.93	6803.27	1.47	-1.27	-0.76	-149.18	94.00	9096.39	365897.29	856801.98	32° 0' 6.660" N	103° 18' 56.412" W	175.25	-3.33	-23.87	
18933.00	88.40	179.34	12067.50	-6874.08	564.22	6897.02	1.77	-1.45	-1.02	-144.79	94.00	9097.90	365803.30	856802.27	32° 0' 5.730" N	103° 18' 56.419" W	175.31	-6.11	-23.42	
19028.00	90.81	179.95	12068.15	-6969.07	564.81	6991.78	2.62	2.54	0.64	14.21	95.00	9098.55	365708.31	856802.86	32° 0' 4.790" N	103° 18' 56.422" W	175.37	-8.07	-23.24	
19122.00	90.73	179.60	12066.89	-7063.06	565.18	7085.54	0.38	-0.09	-0.37	-102.87	94.00	9097.29	365614.32	856803.23	32° 0' 3.860" N	103° 18' 56.428" W	175.42	-7.27	-23.23	
19216.00	90.99	179.16	12065.48	-7157.04	566.20	7179.34	0.54	0.28	-0.47	-59.41	94.00	9095.88	365520.34	856804.25	32° 0' 2.930" N	103° 18' 56.427" W	175.48	-6.14	-23.95	
19250.00	91.25	178.98	12064.81	-7191.03	566.75	7213.27	0.93	0.76	-0.53	-34.69	34.00	9095.21	365486.35	856804.80	32° 0' 2.594" N	103° 18' 56.424" W	175.49	-5.58	-24.39	
19295.00	91.25	178.98	12063.83	-7236.01	567.55	7258.19	0.00	0.00	0.00	0.00	45.00	9094.23	365441.37	856805.60	32° 0' 2.148" N	103° 18' 56.420" W	175.52	-4.73	-25.05	

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

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

Form C-103
Revised July 18, 2013

WELL API NO.
30-025-47452

5. Indicate Type of Lease
STATE ■ FEE ☐

6. State Oil & Gas Lease No.

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

7. Lease Name or Unit Agreement Name
Comanche 25-36 Fed State Com

1. Type of Well: Oil Well ■ Gas Well ☐ Other

8. Well Number 4H

2. Name of Operator
Caza Oil and Gas, Inc

9. OGRID Number
249099

3. Address of Operator
200 N. Lorraine St #1550., Midland, TX 79701

10. Pool name or Wildcat
WC-025 G-08 S253534O; Bone Spring

4. Well Location
Unit Letter B : 350 feet from the North line and 1425 feet from the East line
Section 25 Township 26S Range 35E NMPM County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
2946'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.

7/14/2021 - Test production casing to 8000psi, test good. Production casing was perf'd from 12,271'MD - 19,265'MD with 0.40" perf size and 10 shots per foot. The well was fracked with 21,320,388lbs of sand. 2.875" tubing run to 12142'.

Spud Date: 1/6/2021 Rig Release Date: 05/11/2021

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

SIGNATURE _____ TITLE Engineer DATE 8/31/2021

Type or print name Steve Morris E-mail address: steve.morris@morcorengineering.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
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

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 August 1, 2011

1. WELL API NO. 30-025-47452
2. Type of Lease ■ STATE ☐ FEE ☐ FED/INDIAN
3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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: Comanche 25-36 Fed State Com
6. Well Number: 4H

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 79701
11. Pool name or Wildcat: WC-025 G-08 S253534O; Bone Spring

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	B	25	26S	35E		350	North	1425	East	Lea
BH:	L1	36	26S	35E		105	South	930	East	Lea

13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released	16. Date Completed (Ready to Produce)	17. Elevations (DF and RKB, RT, GR, etc.)
1/6/2021	5/8/2021	5/11/2021	7/17/2021	2946' GR

18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run
19285	19283	yes	gamma ray

22. Producing Interval(s), of this completion - Top, Bottom, Name
12271-19265 3rd Bone Spring

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	1025	17.5	830sx	
9.625	40	7212	12.25	2170sx	
9.625	47	9330	12.25	800sx	
6	24.5	19285	8.5	2860sx	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2.875	12142	12156

26. Perforation record (interval, size, and number)

12271-19265, 0.40, 10 shots per foot

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12271-19265	21,320,388lbs sand

28. PRODUCTION

Date First Production	Production Method (*Flowing, gas lift, pumping - Size and type pump*)	Well Status (*Prod. or Shut-in*)
7/29/2021	flowing	producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
8/10/2021	24	39		904	2540	4845	2.8:1

Flow Tubing Press. 2018	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (*Corr.*)
	786		904	2540	4845	53.2

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. If an on-site burial was used at the well, report the exact location of the on-site burial:
Latitude _____ Longitude _____ NAD 1927 1983

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 Steve Morris Title Contract Engineer Date 8/31/2021

E-mail Address steve.morris@morcorengineering.com

INSTRUCTIONS

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.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon 4971	T. Ojo Alamo	T. Penn A"
T. Salt 1050	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 2850	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates 3576	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 3790	T. Devonian	T. Cliff House	T. Leadville
T. Queen 3960	T. Silurian	T. Menefee	T. Madison
T. Grayburg 4190	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 4520	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	T. Morrison	
T. Drinkard	T. Bone Springs 9871	T.Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from……..……..….to……. No. 3, from……to…….……

No. 2, from……to…… No. 4, from……to……..

IMPORTANT WATER SANDS

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

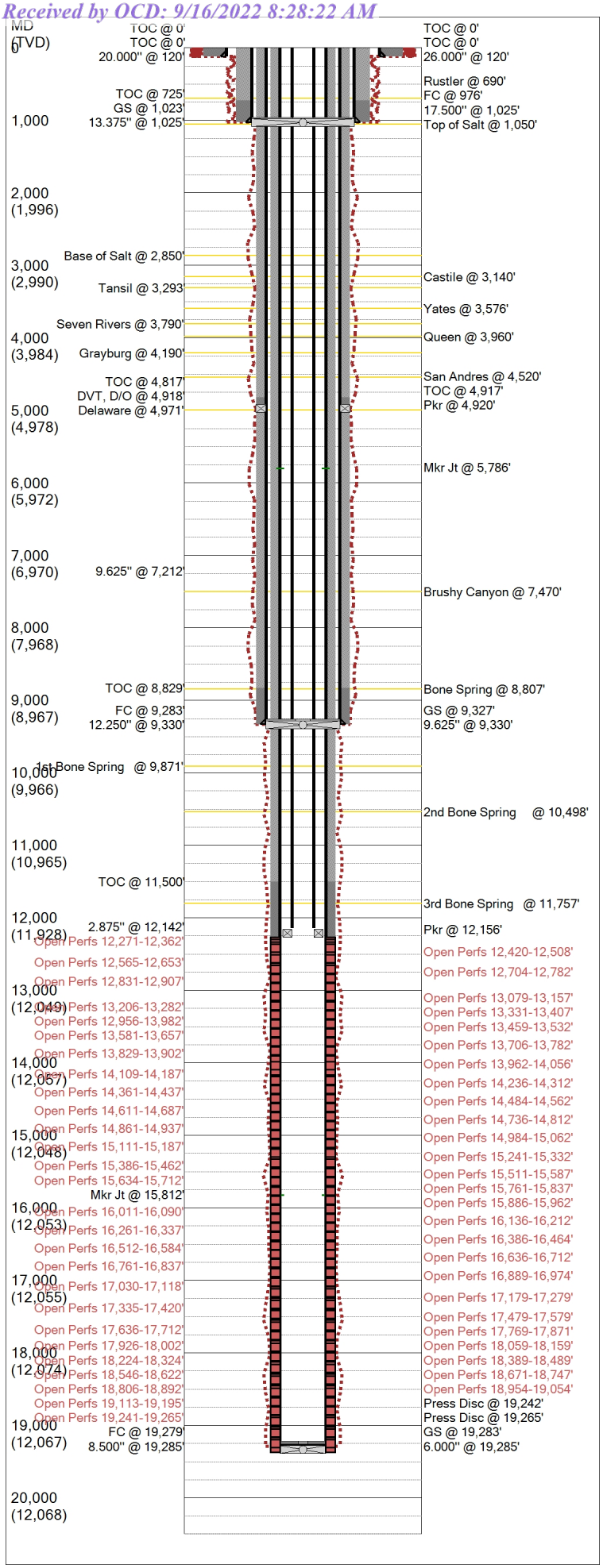
No. 1, from…….to……feet……

No. 2, from…….to……feet……

No. 3, from…….to……feet……

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology		From	To	Thickness In Feet	Lithology



Last Updated: 8/31/2021 06:41 AM

Field Name	Lease Name	Well No.
Comanche	Comanche 25-36 Federal State Com	4H

County	State	API No.
Lea	New Mexico	3002547452

Version	Version Tag
1	Completed

GL (ft)	KB (ft)	Section	Township/Block	Range/Survey
2,946.0	2,967.0	25	26S	35E

Operator	Well Status	Latitude	Longitude
Caza Operating	Completed	32.02050011	-103.31728337

Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
350	FNL	1425	FEL	SECTION

Prop Num	Spud Date	Comp. Date
328896	1/6/2021	7/17/2021

Additional Information

From intersection of Hwy 18 and Hwy 128 head south on Hwy 18 for 1.3 miles to Whitworth Dr. Turn right onto Whitworth Dr., heading west for 0.4 miles to Hwy 205 (Frying Pan Rd.). Turn left onto Hwy 205, heading south for 7.3 miles to Beckham Ranch Rd. Turn right onto Beckham Ranch Rd. heading west for 3.7 miles staying on the main lease road to the new lease road turn right onto new lease road heading north for 0.1 miles to location.

OGRID	Pool Name and Code	Well Type	Dedicated Acres
249099	WC-025 G-08 S253534O; Bone Spring (98234)	Hz, Oil	233.22

Prepared By	Updated By	Last Updated
Steve Morris	Steve Morris	8/31/2021 6:41 AM

Hole Summary

Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	26.000	0	120	
	17.500	120	1,025	
	12.250	1,025	9,330	
	8.500	9,330	19,285	

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	1,025
	Intermediate Casing	9.625	40.00	HCL80	0	7,212
	Intermediate Casing	9.625	47.00	HCL80	7,212	9,330
	Production Casing	6.000	24.50	P110	0	19,285
	Tubing	2.875	6.50	L80	0	12,142

Casing Cement Summary

C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
		105	20.000	0	120	
		515	13.375	0	725	Circulate 296sx to surface.
		315	13.375	725	1,025	
		1,450	9.625	0	4,817	
		150	9.625	4,817	4,917	
		1,070	9.625	4,917	8,829	Circulate 73sx to surface
		300	9.625	8,829	9,329	
		1,395	6.000	0	11,500	Circulate 394sx to surface

Last Updated: 8/31/2021 06:41 AM

C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
		1,465	6.000	11,500	19,285	

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)
	FC	13.375	0.000	976	0
	GS	13.375	0.000	1,023	0
	DVT, D/O	9.625	0.000	4,918	0
	Pkr	12.250	9.625	4,920	0
	Mkr Jt	6.000	0.000	5,786	5,808
	FC	9.625	0.000	9,283	0
	GS	9.625	0.000	9,327	0
	Pkr	5.240	2.875	12,156	0
	Mkr Jt	6.000	0.000	15,812	15,835
	Press Disc	6.000	0.000	19,242	0
	Press Disc	6.000	0.000	19,265	0
	FC	6.000	0.000	19,279	0
	GS	6.000	0.000	19,283	0

Perforation Summary

C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)
	7/14/2021	Open	3rd Bone Spring	12271	12,362
	7/14/2021	Open	3rd Bone Spring	12420	12,508
	7/14/2021	Open	3rd Bone Spring	12565	12,653
	7/13/2021	Open	3rd Bone Spring	12704	12,782
	7/13/2021	Open	3rd Bone Spring	12831	12,907
	7/12/2021	Open	3rd Bone Spring	12956	13,982
	7/12/2021	Open	3rd Bone Spring	13079	13,157
	7/12/2021	Open	3rd Bone Spring	13206	13,282
	7/11/2021	Open	3rd Bone Spring	13331	13,407
	7/11/2021	Open	3rd Bone Spring	13459	13,532
	7/10/2021	Open	3rd Bone Spring	13581	13,657
	7/10/2021	Open	3rd Bone Spring	13706	13,782
	7/10/2021	Open	3rd Bone Spring	13829	13,902
	7/9/2021	Open	3rd Bone Spring	13962	14,056
	7/9/2021	Open	3rd Bone Spring	14109	14,187
	7/8/2021	Open	3rd Bone Spring	14236	14,312
	7/8/2021	Open	3rd Bone Spring	14361	14,437
	7/8/2021	Open	3rd Bone Spring	14484	14,562
	7/7/2021	Open	3rd Bone Spring	14611	14,687
	7/7/2021	Open	3rd Bone Spring	14736	14,812
	7/6/2021	Open	3rd Bone Spring	14861	14,937
	7/5/2021	Open	3rd Bone Spring	14984	15,062
	7/5/2021	Open	3rd Bone Spring	15111	15,187
	7/4/2021	Open	3rd Bone Spring	15241	15,332
	7/4/2021	Open	3rd Bone Spring	15386	15,462
	7/3/2021	Open	3rd Bone Spring	15511	15,587
	7/3/2021	Open	3rd Bone Spring	15634	15,712
	7/2/2021	Open	3rd Bone Spring	15761	15,837
	7/2/2021	Open	3rd Bone Spring	15886	15,962
	7/2/2021	Open	3rd Bone Spring	16011	16,090
	7/1/2021	Open	3rd Bone Spring	16136	16,212
	7/1/2021	Open	3rd Bone Spring	16261	16,337
	6/30/2021	Open	3rd Bone Spring	16386	16,464
	6/30/2021	Open	3rd Bone Spring	16512	16,584

Last Updated: 8/31/2021 06:41 AM

C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)
	6/29/2021	Open	3rd Bone Spring	16636	16,712
	6/29/2021	Open	3rd Bone Spring	16761	16,837
	6/28/2021	Open	3rd Bone Spring	16889	16,974
	6/27/2021	Open	3rd Bone Spring	17030	17,118
	6/26/2021	Open	3rd Bone Spring	17179	17,279
	6/24/2021	Open	3rd Bone Spring	17335	17,420
	6/24/2021	Open	3rd Bone Spring	17479	17,579
	6/24/2021	Open	3rd Bone Spring	17636	17,712
	6/23/2021	Open	3rd Bone Spring	17769	17,871
	6/23/2021	Open	3rd Bone Spring	17926	18,002
	6/22/2021	Open	3rd Bone Spring	18059	18,159
	6/22/2021	Open	3rd Bone Spring	18224	18,324
	6/22/2021	Open	3rd Bone Spring	18389	18,489
	6/21/2021	Open	3rd Bone Spring	18546	18,622
	6/19/2021	Open	3rd Bone Spring	18671	18,747
	6/17/2021	Open	3rd Bone Spring	18806	18,892
	6/17/2021	Open	3rd Bone Spring	18954	19,054
	6/16/2021	Open	3rd Bone Spring	19113	19,195
	6/16/2021	Open	3rd Bone Spring	19241	19,265

Formation Tops Summary

Formation	Top (TVD ft)	Comments
Rustler	690	
Top of Salt	1,050	
Base of Salt	2,850	
Castile	3,140	
Tansil	3,293	
Yates	3,576	
Seven Rivers	3,790	
Queen	3,960	
Grayburg	4,190	
San Andres	4,520	
Delaware	4,971	
Brushy Canyon	7,470	
Bone Spring	8,807	
1st Bone Spring	9,871	
2nd Bone Spring	10,498	
3rd Bone Spring	11,757	

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Field Name	Lease Name	Well No.	County	State	API No.
Comanche	Comanche 25-36 Federal State Com	4H	Lea	New Mexico	3002547452

Version	Version Tag	Spud Date	Comp. Date	GL (ft)	KB (ft)
1	Completed	1/6/2021	7/17/2021	2,946.0	2,967.0

Section	Township/Block	Range/Survey	Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
25	26S	35E	350	FNL	1,425	FEL	SECTION

Operator	Well Status	Latitude	Longitude	Prop Num
Caza Operating	Completed	32.02050011	-103.31728337	328896

OGRID	Pool Name and Code	Well Type	Dedicated Acres
249099	WC-025 G-08 S253534O; Bone Spring (98234)	Hz, Oil	233.22

Last Updated	Prepared By	Updated By
08/31/2021 6:41 AM	Steve Morris	Steve Morris

Additional Information

From intersection of Hwy 18 and Hwy 128 head south on Hwy 18 for 1.3 miles to Whitworth Dr. Turn right onto Whitworth Dr., heading west for 0.4 miles to Hwy 205 (Frying Pan Rd.). Turn left onto Hwy 205, heading south for 7.3 miles to Beckham Ranch Rd. Turn right onto Beckham Ranch Rd. heading west for 3.7 miles staying on the main lease road to the new lease road turn right onto new lease road heading north for 0.1 miles to location.

Hole Summary

Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	26.000	0	120	
	17.500	120	1,025	
	12.250	1,025	9,330	
	8.500	9,330	19,285	

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	29	13.375	54.50	J55	BTC	0	1,025	
	Intermediate Casing	175	9.625	40.00	HCL80	BTC	0	7,212	
	Intermediate Casing	51	9.625	47.00	HCL80	BTC	7,212	9,330	
	Production Casing	460	6.000	24.50	P110	GBCD	0	19,285	
	Tubing	366	2.875	6.50	L80	EUE	0	12,142	

Casing Cement Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
		105	1.65	173	20.000	0	120	14.8ppg Class C	
		515	1.66	855	13.375	0	725	35/65 POZ Class C 12.8.ppg	Circulate 296sx to surface.
		315	1.33	422	13.375	725	1,025	14.8ppg Class C	
		1,450	2.29	2,748	9.625	0	4,817	50/50 POZ Class C 11.5ppg	
		150	1.33	200	9.625	4,817	4,917	14.8ppg Class C	
		1,070	2.29	2,450	9.625	4,917	8,829	POZ 50/50 Class C 11.5ppg	Circulate 73sx to surface
		300	1.18	354	9.625	8,829	9,329	Class H 15.6ppg	
		1,395	2.23	3,111	6.000	0	11,500	50/50 POZ Class H 11.5ppg	Circulate 394sx to surface
		1,465	1.39	2,036	6.000	11,500	19,285	35/65 POZ Class H 13.2ppg	

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	976	0		
	Guide Shoe	13.375	0.000	1,023	0		
	DV tool (drilled out)	9.625	0.000	4,918	0		
	Packer	12.250	9.625	4,920	0	ECP	
	Marker Joint	6.000	0.000	5,786	5,808		
	Float Collar	9.625	0.000	9,283	0		
	Guide Shoe	9.625	0.000	9,327	0		
	Packer	5.240	2.875	12,156	0		

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Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
	Marker Joint	6.000	0.000	15,812	15,835		
	Pressure Disc	6.000	0.000	19,242	0	Gryphon Toe Sleeve	
	Pressure Disc	6.000	0.000	19,265	0	Gryphon Toe Sleeve	
	Float Collar	6.000	0.000	19,279	0		
	Guide Shoe	6.000	0.000	19,283	0		

Perforation Summary

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/16/2021	Open	3rd Bone Spring		Stage 2 - 324,048lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
19194	19,195	10	10	60	
19168	19,169	10	10	60	
19140	19,141	10	10	60	
19113	19,114	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/16/2021	Open	3rd Bone Spring		Stage 1 - 394,420lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
19264	19,265	9	9	60	
19241	19,242	9	9	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/17/2021	Open	3rd Bone Spring		Stage 4 - 395,700lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
18891	18,892	10	10	60	
18861	18,862	10	10	60	
18831	18,832	10	10	60	
18806	18,807	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/17/2021	Open	3rd Bone Spring		Stage 3 - 395,540lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
19053	19,054	10	10	60	
19020	19,021	10	10	60	
18987	18,988	10	10	60	
18954	18,955	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/19/2021	Open	3rd Bone Spring		Stage 5 - 94,130lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
18746	18,747	10	10	60	
18721	18,722	10	10	60	
18699	18,700	10	10	60	
18671	18,672	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/21/2021	Open	3rd Bone Spring		Stage 6 - 312,200lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
18621	18,622	10	10	60	
18596	18,597	10	10	60	
18571	18,572	10	10	60	
18546	18,547	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/22/2021	Open	3rd Bone Spring		Stage 9 - 395,160lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
18158	18,159	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
18125	18,126	10	10	60	
18092	18,093	10	10	60	
18059	18,060	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/22/2021	Open	3rd Bone Spring		Stage 8 - 387,480lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
18323	18,324	10	10	60	
18290	18,291	10	10	60	
18257	18,258	10	10	60	
18224	18,225	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/22/2021	Open	3rd Bone Spring		Stage 7 - 394,460lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
18488	18,489	10	10	60	
18455	18,456	10	10	60	
18422	18,423	10	10	60	
18389	18,390	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/23/2021	Open	3rd Bone Spring		Stage 11 - 401,350lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
17870	17,871	10	10	60	
17835	17,836	10	10	60	
17804	17,805	10	10	60	
17769	17,770	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/23/2021	Open	3rd Bone Spring		Stage 10 - 357,340lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
18001	18,002	10	10	60	
17976	17,977	10	10	60	
17951	17,952	10	10	60	
17926	17,927	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/24/2021	Open	3rd Bone Spring		Stage 14 - 400,200lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
17419	17,420	10	10	60	
17390	17,391	10	10	60	
17365	17,366	10	10	60	
17335	17,336	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/24/2021	Open	3rd Bone Spring		Stage 13 - 408,320lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
17578	17,579	10	10	60	
17545	17,546	10	10	60	
17512	17,513	10	10	60	
17479	17,480	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/24/2021	Open	3rd Bone Spring		Stage 12 - 416,280lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
17711	17,712	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
17686	17,687	10	10	60	
17661	17,662	10	10	60	
17636	17,637	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/26/2021	Open	3rd Bone Spring		Stage 15 - 400,320lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
17278	17,279	10	10	60	
17245	17,246	10	10	60	
17212	17,213	10	10	60	
17179	17,180	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/27/2021	Open	3rd Bone Spring		Stage 16 - 399,940lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
17117	17,118	10	10	60	
17088	17,089	10	10	60	
17059	17,060	10	10	60	
17030	17,031	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/28/2021	Open	3rd Bone Spring		Stage 17 - 409,120lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
16973	16,974	10	10	60	
16945	16,946	10	10	60	
16917	16,918	10	10	60	
16889	16,890	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/29/2021	Open	3rd Bone Spring		Stage 19 - 424,140lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
16711	16,712	10	10	60	
16686	16,687	10	10	60	
16661	16,662	10	10	60	
16636	16,637	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/29/2021	Open	3rd Bone Spring		Stage 18 - 397,700lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
16836	16,837	10	10	60	
16811	16,812	10	10	60	
16786	16,787	10	10	60	
16761	16,762	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/30/2021	Open	3rd Bone Spring		Stage 21 - 418,340lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
16463	16,464	10	10	60	
16436	16,437	10	10	60	
16411	16,412	10	10	60	
16386	16,387	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	6/30/2021	Open	3rd Bone Spring		Stage 20 - 414,820lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
16583	16,584	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/1/2021	Open	3rd Bone Spring		Stage 23 - 412,080lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
16562	16,563	10	10	60	
16533	16,534	10	10	60	
16512	16,513	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/1/2021	Open	3rd Bone Spring		Stage 22 - 416,360lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
16211	16,212	10	10	60	
16186	16,187	10	10	60	
16161	16,162	10	10	60	
16136	16,137	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/2/2021	Open	3rd Bone Spring		Stage 26 - 413,280lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
15836	15,837	10	10	60	
15811	15,812	10	10	60	
15786	15,787	10	10	60	
15761	15,762	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/2/2021	Open	3rd Bone Spring		Stage 25 - 413,620lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
15961	15,962	10	10	60	
15936	15,937	10	10	60	
15911	15,912	10	10	60	
15886	15,887	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/2/2021	Open	3rd Bone Spring		Stage 24 - 424,580lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
16089	16,090	10	10	60	
16061	16,062	10	10	60	
16035	16,036	10	10	60	
16011	16,012	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/3/2021	Open	3rd Bone Spring		Stage 28 - 416,900lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
15586	15,587	10	10	60	
15561	15,562	10	10	60	
15536	15,537	10	10	60	
15511	15,512	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/3/2021	Open	3rd Bone Spring		Stage 27 - 406,100lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
15711	15,712	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/4/2021	Open	3rd Bone Spring		Stage 30 - 455,060lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
15689	15,690	10	10	60	
15661	15,662	10	10	60	
15634	15,635	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/4/2021	Open	3rd Bone Spring		Stage 29 - 412,200lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
15331	15,332	10	10	60	
15301	15,302	10	10	60	
15271	15,272	10	10	60	
15241	15,242	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/5/2021	Open	3rd Bone Spring		Stage 32 - 451,920lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
15461	15,462	10	10	60	
15436	15,437	10	10	60	
15411	15,412	10	10	60	
15386	15,387	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/5/2021	Open	3rd Bone Spring		Stage 31 - 414,020lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
15061	15,062	10	10	60	
15036	15,037	10	10	60	
15011	15,012	10	10	60	
14984	14,985	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/6/2021	Open	3rd Bone Spring		Stage 33 - 418,960lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
15186	15,187	10	10	60	
15161	15,162	10	10	60	
15131	15,132	10	10	60	
15111	15,112	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/7/2021	Open	3rd Bone Spring		Stage 35 - 409,400lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
14936	14,937	10	10	60	
14911	14,912	10	10	60	
14883	14,884	10	10	60	
14861	14,862	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/7/2021	Open	3rd Bone Spring		Stage 34 - 409,400lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
14686	14,687	10	10	60	
14661	14,662	10	10	60	
14636	14,637	10	10	60	
14611	14,612	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/7/2021	Open	3rd Bone Spring		Stage 34 - 409,400lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
14811	14,812	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
14786	14,787	10	10	60	
14761	14,762	10	10	60	
14736	14,737	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/8/2021	Open	3rd Bone Spring		Stage 38 - 420,360lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
14311	14,312	10	10	60	
14286	14,287	10	10	60	
14261	14,262	10	10	60	
14236	14,237	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/8/2021	Open	3rd Bone Spring		Stage 37 - 422,600lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
14436	14,437	10	10	60	
14411	14,412	10	10	60	
14386	14,387	10	10	60	
14361	14,362	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/8/2021	Open	3rd Bone Spring		Stage 36 - 420,520lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
14561	14,562	10	10	60	
14538	14,539	10	10	60	
14511	14,512	10	10	60	
14484	14,485	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/9/2021	Open	3rd Bone Spring		Stage 40 - 417,220lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
14055	14,056	10	10	60	
14024	14,025	10	10	60	
13993	13,994	10	10	60	
13962	13,963	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/9/2021	Open	3rd Bone Spring		Stage 39 - 417,100lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
14186	14,187	10	10	60	
14163	14,164	10	10	60	
14136	14,137	10	10	60	
14109	14,110	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/10/2021	Open	3rd Bone Spring		Stage 43 - 419,820lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
13656	13,657	10	10	60	
13631	13,632	10	10	60	
13606	13,607	10	10	60	
13581	13,582	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/10/2021	Open	3rd Bone Spring		Stage 42 - 421,860lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
13781	13,782	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
13756	13,757	10	10	60	
13731	13,732	10	10	60	
13706	13,707	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/10/2021	Open	3rd Bone Spring		Stage 41 - 412,580lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
13901	13,902	10	10	60	
13883	13,884	10	10	60	
13859	13,860	10	10	60	
13829	13,830	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/11/2021	Open	3rd Bone Spring		Stage 45 - 429,200lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
13406	13,407	10	10	60	
13381	13,382	10	10	60	
13356	13,357	10	10	60	
13331	13,332	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/11/2021	Open	3rd Bone Spring		Stage 44 - 411,620lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
13531	13,532	10	10	60	
13508	13,509	10	10	60	
13481	13,482	10	10	60	
13459	13,460	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/12/2021	Open	3rd Bone Spring		Stage 48 - 425,160lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
13031	13,032	10	10	60	
13006	13,007	10	10	60	
13981	13,982	10	10	60	
12956	12,957	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/12/2021	Open	3rd Bone Spring		Stage 47 - 414,240lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
13156	13,157	10	10	60	
13133	13,134	10	10	60	
13106	13,107	10	10	60	
13079	13,080	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/12/2021	Open	3rd Bone Spring		Stage 46 - 429,500lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
13281	13,282	10	10	60	
13256	13,257	10	10	60	
13231	13,232	10	10	60	
13206	13,207	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/13/2021	Open	3rd Bone Spring		Stage 50 - 418,040lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
12781	12,782	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
12759	12,760	10	10	60	
12731	12,732	10	10	60	
12704	12,705	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/13/2021	Open	3rd Bone Spring		Stage 49 - 427,040lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
12906	12,907	10	10	60	
12881	12,882	10	10	60	
12856	12,857	10	10	60	
12831	12,832	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/14/2021	Open	3rd Bone Spring		Stage 53 - 419,800lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
12361	12,362	10	10	60	
12331	12,332	10	10	60	
12301	12,302	10	10	60	
12271	12,272	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/14/2021	Open	3rd Bone Spring		Stage 52 - 426,980lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
12507	12,508	10	10	60	
12475	12,476	10	10	60	
12449	12,450	10	10	60	
12420	12,421	10	10	60	

C	Date	Perf. Status	Formation	Closed Date	Comments
	7/14/2021	Open	3rd Bone Spring		Stage 51 -428,080lbs sand

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
12652	12,653	10	10	60	
12623	12,624	10	10	60	
12594	12,595	10	10	60	
12565	12,566	10	10	60	

Formation Top Summary

Formation Name	Top(TVD ft)	Comments
Rustler	690	
Top of Salt	1,050	
Base of Salt	2,850	
Castile	3,140	
Tansil	3,293	
Yates	3,576	
Seven Rivers	3,790	
Queen	3,960	
Grayburg	4,190	
San Andres	4,520	
Delaware	4,971	
Brushy Canyon	7,470	
Bone Spring	8,807	
1st Bone Spring	9,871	
2nd Bone Spring	10,498	
3rd Bone Spring	11,757	

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Field Name	Lease Name	Well No.	County	State	API No.
Comanche	Comanche 25-36 Federal State Com	4H	Lea	New Mexico	3002547452

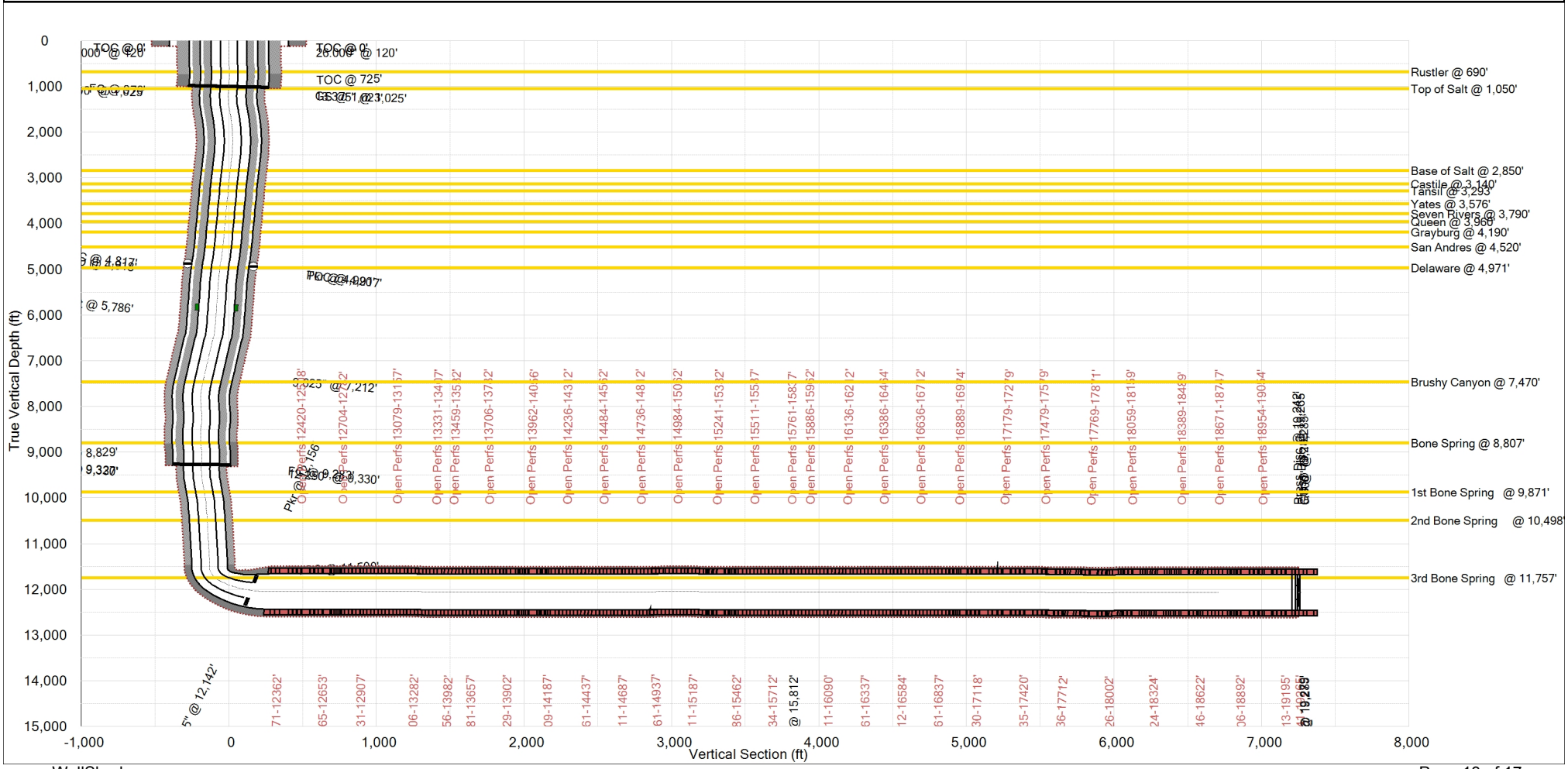
Version	Version Tag	Spud Date	Comp. Date	G.L. (ft)	K.B. (ft)
1	Completed	1/6/2021	7/17/2021	2,946.0	2,967.0

Sec.	Township/Block	Range/Survey	Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From	Latitude	Longitude
25	26S	35E	350	FNL	1425	FEL		32.02050011	-103.31728337

Well Status	PropNum	Operator	Last Updated	Prepared By	Updated By
Completed	328896	Caza Operating	8/31/2021 6:41:36 AM	Steve Morris	Steve Morris

Additional Information

From intersection of Hwy 18 and Hwy 128 head south on Hwy 18 for 1.3 miles to Whitworth Dr. Turn right onto Whitworth Dr., heading west for 0.4 miles to Hwy 205 (Frying Pan Rd.). Turn left onto Hwy 205, heading south for 7.3 miles to Beckham Ranch Rd. Turn right onto Beckham Ranch Rd. heading west for 3.7 miles staying on the main lease road to the new lease road turn right onto new lease road heading north for 0.1 miles to location.



Last Updated: 8/31/2021 6:41:36 AM

Field Name	Lease Name	Well No.	API No.	Version	Version Tag
Comanche	Comanche 25-36 Federal State Com	4H	3002547452	1	Completed

Section	Township/Block	Range/Survey	County	State	GL (ft)	KB (ft)
25	26S	35E	Lea	New Mexico	2,946.0	2,967.0

Target N (-S) (ft)	Target E (-W) (ft)	Latitude	Longitude	Operator	Well Status
0	0	32.02050011	-103.31728337	Caza Operating	Completed

Additional Information

From intersection of Hwy 18 and Hwy 128 head south on Hwy 18 for 1.3 miles to Whitworth Dr. Turn right onto Whitworth Dr., heading west for 0.4 miles to Hwy 205 (Frying Pan Rd.). Turn left onto Hwy 205, heading south for 7.3 miles to Beckham Ranch Rd. Turn right onto Beckham Ranch Rd. heading west for 3.7 miles staying on the main lease road to the new lease road turn right onto new lease road heading north for 0.1 miles to location.

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
235.0	0.2	240.9	235.0	0.2	-0.2	-0.3	0.18
327.0	0.4	132.2	327.0	0.4	-0.4	-0.2	0.44
419.0	0.7	231.5	419.0	0.9	-1.0	-0.5	0.80
511.0	0.4	161.3	511.0	1.5	-1.6	-0.8	0.63
603.0	1.1	177.6	603.0	2.6	-2.7	-0.7	0.72
729.0	1.4	287.0	729.0	3.2	-3.4	-2.1	2.02
821.0	1.2	302.3	821.0	2.2	-2.5	-4.0	0.40
913.0	1.5	316.3	912.9	0.7	-1.1	-5.7	0.42
954.0	1.5	314.9	953.9	-0.1	-0.4	-6.4	0.04
1,110.0	1.7	323.4	1,109.8	-3.7	3.0	-9.2	0.34
1,204.0	0.4	314.4	1,203.8	-5.1	4.3	-10.3	1.39
1,299.0	0.8	124.8	1,298.8	-4.9	4.2	-10.0	1.10
1,393.0	3.8	119.0	1,392.7	-2.8	2.3	-6.8	3.07
1,487.0	6.9	117.9	1,486.3	1.9	-1.9	1.0	3.08
1,581.0	6.5	113.4	1,579.7	7.4	-6.6	10.8	0.69
1,676.0	6.3	111.5	1,674.1	12.2	-10.7	20.6	0.24
1,770.0	6.4	108.6	1,767.5	16.5	-14.2	30.4	0.33
1,864.0	6.5	103.7	1,860.9	20.1	-17.2	40.5	0.55
1,958.0	6.3	98.3	1,954.3	22.9	-19.2	50.8	0.62
2,052.0	6.5	93.2	2,047.7	24.7	-20.2	61.2	0.59
2,146.0	6.5	88.2	2,141.1	25.6	-20.3	71.8	0.57
2,241.0	6.5	82.3	2,235.5	25.5	-19.5	82.5	0.67
2,335.0	6.4	78.2	2,329.0	24.5	-17.7	92.8	0.46
2,429.0	6.5	72.7	2,422.4	22.6	-15.0	103.0	0.62
2,523.0	6.3	66.2	2,515.8	19.7	-11.4	112.8	0.74
2,618.0	6.4	65.8	2,610.2	16.2	-7.1	122.4	0.06
2,712.0	6.6	67.4	2,703.6	12.7	-2.9	132.1	0.25
2,806.0	6.4	68.6	2,797.0	9.5	1.1	141.9	0.23
2,900.0	6.3	68.3	2,890.4	6.4	4.9	151.5	0.06
2,994.0	6.3	68.5	2,983.9	3.3	8.7	161.2	0.02
3,089.0	6.3	69.3	3,078.3	0.2	12.5	171.0	0.10
3,183.0	6.2	70.0	3,171.7	-2.6	16.0	180.5	0.19
3,277.0	6.2	70.1	3,265.2	-5.3	19.5	190.0	0.02
3,371.0	6.2	68.7	3,358.6	-8.2	23.0	199.4	0.15
3,465.0	6.2	67.6	3,452.1	-11.2	26.7	208.8	0.12
3,559.0	6.2	67.1	3,545.6	-14.4	30.6	218.1	0.06
3,653.0	6.3	72.5	3,639.0	-17.2	34.1	227.6	0.61
3,748.0	6.3	75.0	3,733.4	-19.4	37.1	237.6	0.27
3,842.0	6.3	73.0	3,826.9	-21.5	39.9	247.6	0.22
3,937.0	6.4	70.8	3,921.3	-24.0	43.2	257.5	0.25
4,030.0	6.5	71.5	4,013.7	-26.6	46.5	267.4	0.17
4,125.0	6.2	69.7	4,108.1	-29.3	50.0	277.3	0.41
4,219.0	6.4	69.7	4,201.6	-32.2	53.6	286.9	0.22
4,314.0	6.4	69.2	4,296.0	-35.1	57.3	296.8	0.08
4,408.0	6.4	68.7	4,389.4	-38.2	61.1	306.6	0.05
4,504.0	6.2	69.0	4,484.8	-41.3	64.9	316.5	0.18
4,599.0	6.1	67.7	4,579.2	-44.3	68.7	325.9	0.19
4,693.0	6.2	64.3	4,672.7	-47.7	72.7	335.1	0.36

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	Coordinate N (-S) (ft)	Coordinate E (-W) (ft)	DLS (deg/100 ft)
4,787.0	6.2	62.9	4,766.2	-51.5	77.2	344.2	0.18
4,882.0	6.2	61.9	4,860.6	-55.6	82.0	353.3	0.14
4,976.0	6.3	61.6	4,954.0	-59.7	86.8	362.3	0.14
5,070.0	6.1	62.9	5,047.5	-63.8	91.5	371.2	0.23
5,164.0	6.2	66.5	5,140.9	-67.4	95.9	380.4	0.41
5,259.0	6.2	71.0	5,235.4	-70.4	99.6	390.0	0.49
5,353.0	6.3	75.4	5,328.8	-72.6	102.5	399.7	0.49
5,447.0	6.2	76.1	5,422.3	-74.4	105.1	409.7	0.09
5,541.0	6.2	73.8	5,515.7	-76.3	107.7	419.5	0.25
5,635.0	6.2	73.5	5,609.2	-78.4	110.5	429.2	0.06
5,730.0	6.2	73.4	5,703.6	-80.6	113.5	439.1	0.09
5,824.0	6.1	72.1	5,797.1	-82.9	116.5	448.7	0.19
5,918.0	6.1	70.3	5,890.5	-85.4	119.7	458.2	0.19
6,013.0	4.9	67.2	5,985.1	-88.0	123.0	466.7	1.26
6,107.0	3.0	60.2	6,078.9	-90.4	125.8	472.5	1.91
6,201.0	1.5	44.9	6,172.8	-92.2	127.8	475.5	1.68
6,295.0	0.8	21.0	6,266.8	-93.6	129.2	476.6	0.82
6,389.0	2.7	15.9	6,360.7	-96.2	131.9	477.4	1.93
6,484.0	4.7	12.4	6,455.5	-102.0	137.9	478.8	2.03
6,578.0	4.5	8.3	6,549.2	-109.3	145.3	480.2	0.37
6,672.0	4.4	8.6	6,642.9	-116.5	152.5	481.3	0.13
6,766.0	4.3	7.3	6,736.7	-123.4	159.6	482.2	0.17
6,860.0	4.4	7.4	6,830.4	-130.3	166.6	483.1	0.09
6,955.0	4.2	6.5	6,925.1	-137.3	173.6	484.0	0.15
7,049.0	4.2	6.6	7,018.9	-144.1	180.5	484.8	0.01
7,143.0	4.1	6.4	7,112.6	-150.8	187.3	485.6	0.09
7,237.0	4.2	6.1	7,206.4	-157.5	194.1	486.3	0.09
7,332.0	4.2	6.1	7,301.1	-164.4	201.0	487.0	0.04
7,426.0	4.2	5.4	7,394.9	-171.1	207.8	487.7	0.05
7,520.0	4.3	7.6	7,488.6	-177.9	214.7	488.5	0.20
7,615.0	4.1	6.5	7,583.4	-184.8	221.6	489.4	0.23
7,709.0	1.6	352.3	7,677.3	-189.4	226.3	489.6	2.59
7,803.0	0.1	358.2	7,771.2	-190.7	227.6	489.4	1.49
8,085.0	1.7	160.3	8,053.2	-188.9	225.9	490.6	1.24
8,179.0	2.2	209.2	8,147.2	-186.0	223.0	490.2	1.68
8,273.0	2.5	251.7	8,241.1	-184.0	220.8	487.4	1.71
8,367.0	2.5	295.1	8,335.0	-184.6	221.0	483.7	1.84
8,462.0	2.5	334.3	8,429.9	-187.5	223.8	480.9	1.68
8,556.0	2.3	22.6	8,523.9	-191.1	227.4	480.7	1.97
8,638.0	2.1	67.5	8,605.8	-193.0	229.4	482.7	1.69
8,732.0	2.2	106.8	8,699.7	-192.9	229.6	486.1	1.47
8,827.0	2.7	116.3	8,794.7	-191.1	228.0	489.9	0.64
8,921.0	3.1	122.7	8,888.5	-188.4	225.7	494.1	0.51
9,015.0	3.1	108.9	8,982.4	-185.9	223.5	498.6	0.75
9,110.0	2.7	92.5	9,077.3	-184.6	222.5	503.3	0.92
9,204.0	3.1	78.5	9,171.1	-184.7	222.9	508.0	0.79
9,275.0	3.8	76.4	9,242.0	-185.3	223.9	512.2	0.71
9,401.0	4.4	71.9	9,367.7	-186.8	226.3	520.8	0.65
9,496.0	3.3	110.0	9,462.5	-186.6	226.5	526.8	2.68
9,590.0	3.2	139.4	9,556.4	-183.3	223.6	531.0	1.65
9,685.0	3.1	156.8	9,651.2	-178.7	219.2	533.8	0.97
9,779.0	3.1	156.5	9,745.1	-173.9	214.5	535.8	0.04
9,874.0	2.9	166.5	9,840.0	-169.2	209.8	537.4	0.55
9,968.0	2.9	173.6	9,933.8	-164.4	205.2	538.2	0.36
10,063.0	2.9	174.0	10,028.7	-159.7	200.4	538.7	0.04
10,158.0	1.6	176.4	10,123.6	-156.0	196.8	539.0	1.28
10,253.0	1.6	176.2	10,218.6	-153.4	194.1	539.2	0.01
10,348.0	1.2	186.3	10,313.6	-151.0	191.8	539.2	0.43
10,442.0	1.4	186.3	10,407.5	-148.9	189.7	538.9	0.18
10,537.0	1.2	197.0	10,502.5	-146.8	187.5	538.5	0.30
10,631.0	1.3	227.3	10,596.5	-145.2	185.8	537.4	0.67
10,726.0	1.1	214.5	10,691.5	-143.8	184.3	536.1	0.33
10,821.0	1.2	227.0	10,786.5	-142.4	182.8	534.8	0.27
10,916.0	2.0	229.0	10,881.4	-140.8	181.1	532.8	0.75
11,010.0	2.4	235.0	10,975.4	-138.8	178.9	530.0	0.45
11,105.0	1.8	225.0	11,070.3	-136.9	176.7	527.4	0.71

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Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	Coordinate N (-S) (ft)	Coordinate E (-W) (ft)	DLS (deg/100 ft)
11,200.0	2.0	228.8	11,165.2	-134.9	174.6	525.1	0.25
11,294.0	2.4	240.2	11,259.2	-133.1	172.6	522.2	0.58
11,389.0	2.3	247.8	11,354.1	-131.7	170.9	518.7	0.32
11,484.0	3.2	259.1	11,449.0	-130.8	169.6	514.3	0.99
11,507.0	3.1	258.0	11,472.0	-130.6	169.4	513.1	0.07
11,580.0	2.5	248.3	11,544.9	-129.9	168.4	509.7	0.81
11,627.0	5.6	193.8	11,591.8	-127.4	165.8	508.2	4.61
11,674.0	9.4	190.8	11,638.3	-121.5	159.8	507.0	3.85
11,721.0	14.4	191.6	11,684.3	-112.2	150.3	505.1	4.96
11,769.0	19.0	192.5	11,730.3	-99.0	136.9	502.2	4.59
11,816.0	24.0	188.6	11,774.0	-82.4	119.9	499.1	5.29
11,863.0	28.6	183.5	11,816.1	-61.9	99.2	497.0	5.10
11,910.0	32.8	180.0	11,856.5	-38.0	75.2	496.3	4.57
11,958.0	37.1	181.1	11,895.9	-10.6	47.7	496.0	4.25
12,005.0	43.7	178.5	11,931.6	19.8	17.3	496.2	6.90
12,052.0	50.1	174.6	11,963.7	54.1	-16.9	498.3	6.97
12,099.0	57.9	173.5	11,991.4	92.0	-54.7	502.3	7.79
12,144.0	65.0	174.2	12,012.9	131.5	-94.0	506.5	7.15
12,193.0	72.5	175.4	12,030.6	177.1	-139.4	510.6	7.58
12,241.0	80.1	176.9	12,042.0	223.7	-185.9	513.8	7.79
12,288.0	87.5	178.8	12,047.1	270.4	-232.6	515.5	7.59
12,335.0	89.4	179.9	12,048.3	317.3	-279.5	516.1	2.21
12,430.0	90.3	180.0	12,048.6	412.0	-374.5	516.2	0.94
12,524.0	90.2	180.0	12,048.2	505.7	-468.5	516.2	0.20
12,618.0	90.1	180.2	12,048.0	599.5	-562.5	516.0	0.26
12,712.0	89.6	180.7	12,048.2	693.2	-656.5	515.3	0.75
12,806.0	90.8	181.0	12,047.9	786.8	-750.5	513.8	1.22
12,900.0	89.5	180.9	12,047.7	880.4	-844.5	512.2	1.28
12,994.0	89.5	181.0	12,048.5	974.0	-938.5	510.7	0.10
13,089.0	89.8	181.2	12,049.1	1,068.6	-1,033.5	508.8	0.31
13,183.0	89.9	181.2	12,049.3	1,162.1	-1,127.4	506.9	0.13
13,277.0	87.8	179.4	12,051.2	1,255.8	-1,221.4	506.4	2.78
13,372.0	89.2	177.9	12,053.7	1,350.6	-1,316.4	508.6	2.05
13,466.0	88.1	177.1	12,055.9	1,444.6	-1,410.2	512.7	1.41
13,561.0	90.6	177.6	12,057.0	1,539.5	-1,505.1	517.2	2.56
13,655.0	89.9	177.5	12,056.6	1,633.5	-1,599.0	521.2	0.71
13,749.0	90.8	179.0	12,056.0	1,727.4	-1,693.0	524.1	1.75
13,844.0	90.0	179.5	12,055.3	1,822.2	-1,788.0	525.4	0.95
13,938.0	89.3	180.3	12,055.9	1,915.9	-1,882.0	525.5	1.06
14,032.0	88.1	179.9	12,058.0	2,009.6	-1,975.9	525.4	1.27
14,127.0	91.1	180.5	12,058.6	2,104.3	-2,070.9	525.1	3.01
14,221.0	91.1	181.5	12,056.8	2,197.9	-2,164.9	523.5	0.97
14,315.0	89.0	180.8	12,056.8	2,291.5	-2,258.9	521.7	2.16
14,409.0	90.9	179.0	12,056.8	2,385.2	-2,352.9	521.8	2.64
14,503.0	90.6	178.5	12,055.7	2,479.1	-2,446.8	523.9	0.63
14,597.0	90.1	178.1	12,055.2	2,573.0	-2,540.8	526.7	0.59
14,692.0	90.2	178.6	12,055.0	2,667.9	-2,635.7	529.4	0.53
14,786.0	90.7	178.7	12,054.3	2,761.8	-2,729.7	531.6	0.54
14,880.0	92.3	180.1	12,051.9	2,855.5	-2,823.7	532.5	2.12
14,974.0	92.8	180.8	12,047.7	2,949.1	-2,917.6	531.8	0.88
15,069.0	87.6	181.3	12,047.4	3,043.7	-3,012.5	530.0	5.25
15,163.0	88.8	181.9	12,050.5	3,137.1	-3,106.4	527.4	1.34
15,257.0	88.7	180.9	12,052.6	3,230.7	-3,200.4	525.1	0.96
15,352.0	90.2	182.3	12,053.6	3,325.1	-3,295.3	522.4	2.04
15,446.0	89.7	179.4	12,053.7	3,418.8	-3,389.3	521.0	2.93
15,540.0	90.3	179.6	12,053.7	3,512.5	-3,483.3	521.8	0.61
15,634.0	89.9	179.1	12,053.6	3,606.4	-3,577.3	522.9	0.69
15,728.0	89.9	179.0	12,053.8	3,700.2	-3,671.3	524.5	0.12
15,822.0	90.1	178.9	12,053.7	3,794.1	-3,765.3	526.3	0.20
15,917.0	90.3	178.4	12,053.4	3,888.9	-3,860.3	528.5	0.57
16,011.0	90.6	177.9	12,052.6	3,982.8	-3,954.2	531.6	0.49
16,105.0	89.4	176.8	12,052.7	4,076.8	-4,048.1	535.9	1.61
16,200.0	89.2	176.6	12,053.8	4,171.8	-4,142.9	541.3	0.28
16,294.0	90.3	178.1	12,054.2	4,265.7	-4,236.8	545.7	1.88
16,388.0	90.3	178.1	12,053.7	4,359.7	-4,330.8	548.8	0.00
16,482.0	89.9	177.8	12,053.5	4,453.6	-4,424.7	552.2	0.54

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Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	Coordinate N (-S) (ft)	Coordinate E (-W) (ft)	DLS (deg/100 ft)
16,576.0	89.8	178.2	12,053.7	4,547.5	-4,518.7	555.5	0.47
16,671.0	90.2	178.7	12,053.7	4,642.4	-4,613.6	558.1	0.72
16,765.0	90.2	178.3	12,053.3	4,736.3	-4,707.6	560.5	0.44
16,859.0	89.4	181.4	12,053.7	4,830.0	-4,801.6	560.8	3.20
16,954.0	89.6	181.6	12,054.5	4,924.6	-4,896.5	558.4	0.37
17,048.0	88.8	181.5	12,055.8	5,018.1	-4,990.5	555.8	0.88
17,142.0	88.4	182.1	12,058.2	5,111.5	-5,084.4	552.8	0.64
17,236.0	88.0	181.4	12,061.1	5,204.9	-5,178.3	550.0	0.81
17,330.0	90.8	179.8	12,062.1	5,298.6	-5,272.3	549.1	3.22
17,424.0	88.6	178.6	12,062.6	5,392.4	-5,366.3	550.5	2.51
17,518.0	91.4	180.0	12,062.6	5,486.2	-5,460.3	551.7	3.09
17,613.0	88.4	181.2	12,062.8	5,580.9	-5,555.2	550.7	3.27
17,707.0	85.9	181.6	12,067.5	5,674.3	-5,649.1	548.5	2.46
17,801.0	87.2	179.7	12,073.1	5,767.7	-5,742.9	547.4	2.29
17,896.0	90.5	176.7	12,075.1	5,862.6	-5,837.8	550.4	4.45
17,990.0	90.8	176.2	12,074.1	5,956.6	-5,931.6	556.2	0.61
18,084.0	90.7	176.4	12,072.9	6,050.6	-6,025.4	562.3	0.27
18,179.0	91.0	178.4	12,071.5	6,145.5	-6,120.3	566.6	1.94
18,273.0	91.5	178.2	12,069.5	6,239.4	-6,214.3	569.4	0.60
18,367.0	92.4	180.8	12,066.2	6,333.1	-6,308.2	570.2	2.79
18,461.0	89.3	180.8	12,064.8	6,426.7	-6,402.2	568.8	3.12
18,556.0	89.9	181.0	12,065.5	6,521.4	-6,497.1	567.3	0.56
18,650.0	88.9	180.4	12,066.5	6,615.0	-6,591.1	566.2	1.12
18,745.0	91.0	181.0	12,066.6	6,709.6	-6,686.1	565.0	2.12

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DATALOG
GEOLOGICAL SERVICES
(888) 938-7393 www.dataloggs.com
P.O. Box 701594
Houston, TX 77270
Phone: (888) 938-7393
https://dataloggs.com/

COUNTY Lea STATE NM
FIELD Bone Spring
LOCATION X: 856781.15, Y: 365375.79, Z: -8,966' TVDSS 11,937' TVD
WELL Comanche 25-36 State Fed Com 4H
LOG TYPE Measured Depth
COMPANY Caza Petroleum
JOB NO 52127

COMPANY **Caza Petroleum**
WELL **Comanche 25-36 State Fed Com 4H**
FIELD **Bone Spring**
COUNTY/PARISH Lea STATE NM JOB NO: 52127
UNIT MANAGER Cody Wendt ENGINEER
Jeff Owens
GEOLOGIST Randy Nickerson / Richard Carroll CO. ENGINEER

LOCATION

API SERIAL NO	SEC	TWP	RANGE
30-025-47452	36	26S	35E

SL: 350' FNL & 1425' FEL, Sec 25, T26S, R35E
BHL: 40' FSL & 955' FEL, Sec 36, T26S, R35E

ELEVATIONS

KB	2971
DRILL FLOOR	25'
ELEVATION	2,946'
WATER DEPTH	
AIR GAP	

SPUD DATE N/A
LOGGING DATE FROM: 1/29/2021 TO: 5/8/2021
LOGGING DEPTH FROM: 1,000' TO: 19,295'
TOTAL DEPTH (est.) 20000'

BORE HOLE RECORD

SIZE	FROM	TO
12.25	1,030	0

CASING RECORD

SIZE	WGT.	FROM	TO	TEST
13.375	54.5	0	1030	0
9.625	40	0	9230	0
7.00	0	0	0	0

TOTAL Gas Analyzer
1" = 100 UNITS
2" = 1 = 2,000 UNITS

DRILLING FLUID COMPANY Advantage Daily Drilling Fluids
DRILLING FLUID TYPE Water Base
DRILLING CONTRACTOR Citadel RIG NAME Citadel 4
LOG SCALE 1" = 20' LOGGING UNIT 103

Stringer

SHALE STRINGER

Lithology

ANHYDRITE
GYPSUM
SALT
LIMESTONE
DOLOMITE
CHERT
SHALE GRAY
SHALE COLORED
SILTSTONE
SANDSTONE
CEMENT

Engineering

BIT
CASING
CONNECTION (RIG…
CORE - RECOVERE…
FORMATION TOP
GAS SHOW
MN DEPT MN DEPTH

Minerals

ARGILLACEOUS
CHTDK
SILICEOUS
SILTY

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ROP/Gamma/WOB
ROP
600 ft/hr 0
CO2
0 ppm 50
Gamma
0 API 150
H2S Ambient
0 ppm 25
H2S
0 ppm 25

Depth Labels

Oil Show
Slide/Rotate
Gas Show

% Lith

Resistivity
DEEP (ohm
0.1 1 10 … 1E3
SHALLOW (ohm
0.1 1 10 … 1E3

Total Gas
GAS
0 units 50
Wetness
0 Wh 40
Balance
0 Bh 350

Chromatography
C1
0 units 50
C2
0 units 50
C3
0 units 50
IC4
0 units 50
NC4
0 units 50

Lithology Descriptions

910
920
930
940
950
960
970
980
990
1,000
1,010
1,020
1,030
1,040
1,050
1,060
1,070
1,080

SET 13-3/8" CASING @ 1030'

NB #2, ULTERRA, RPS716, 12.25" PDC IN @ 1030', W/ RSS MOTOR AND MWD, SN: 51473, JETS: 7x16's, RPG: 0.166

COMANCHE 25-36 STATE FED COM #4H
COMMENCE TWO MAN MUDLOGGING ON 1/29/2020, DRILLING WITH CLOSED LOOP SYSTEM, SAMPLES AND GAS COLLECTED AT SHAKERS
1% GAS = 100 UNITS

600 ROP (ft/hr) 0
0 CO2 (ppm) 50
0 Gamma (API) 150
0 H2S Ambient (ppm) 25
0 H2S (ppm) 25

DEEP (ohm)
0.1 1 10 1,000
SHALLOW (ohm)
0.1 1 10 1,000

0 GAS (units) 50
0 Wetness (Wh) 40
0 Balance (Bh) 350

0 C1 (units) 50
0 C2 (units) 50
0 C3 (units) 50
0 IC4 (units) 50
0 NC4 (units) 50

TOP OF SALT @ 1064' MD

DOLO: wht, off wht, lt gry, vf xln txt, suc, mod frm-hd, no fluor, no cut, rd stn, LS: wht, off wht, crm, vf xln txt, frm-mod frm, cln, nc fluor, no cut, RDSH: rd

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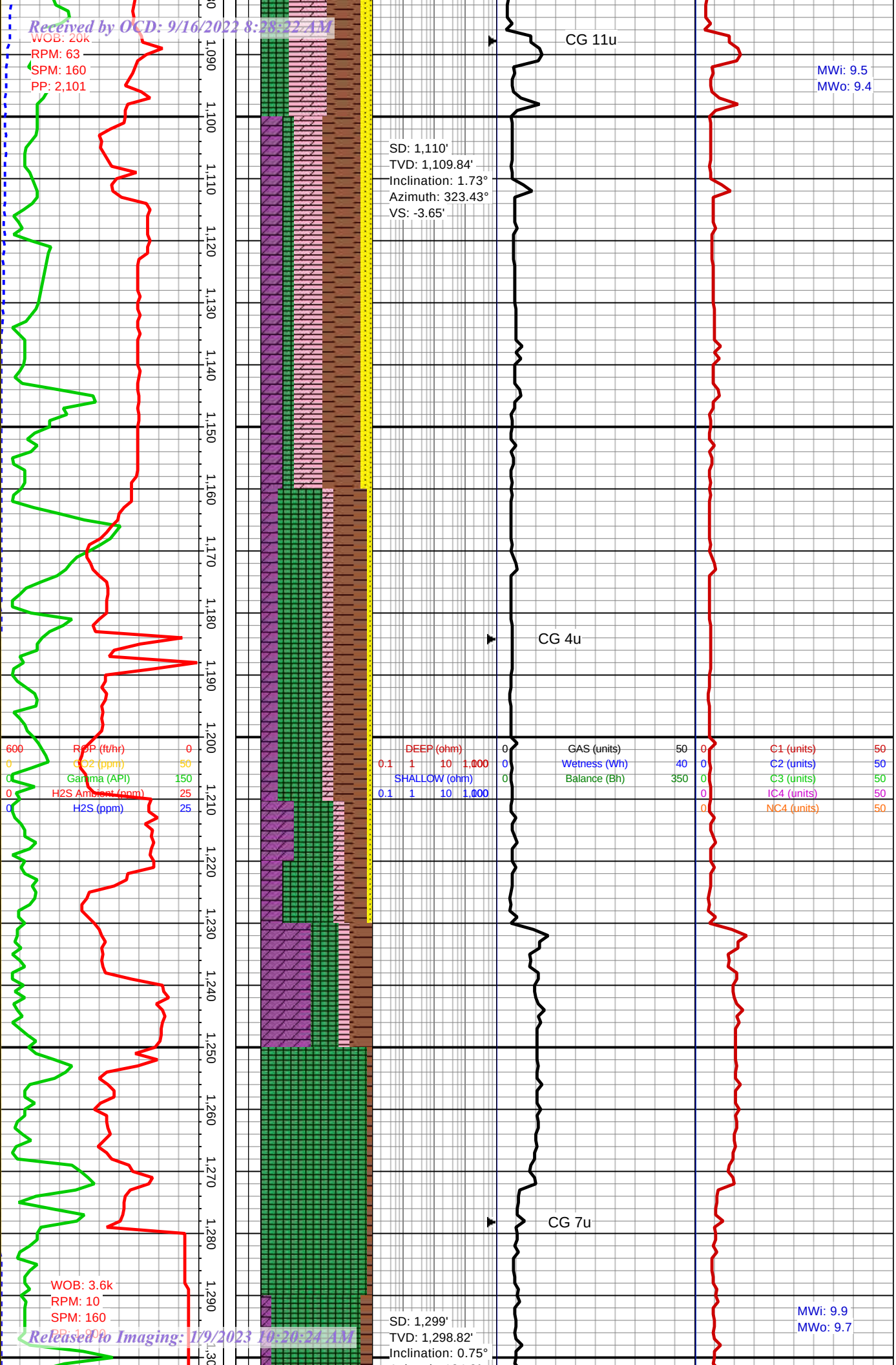

dk rd, lt rd, blky-sb blky, rthy gran txt, frm-sft, slty-sdy ip, no wet cut, SS: rd, lt rd, clr, lt gry, vf gr txt, mod-w srtd, sb rnd-sb ang, sil/calc cmt, mod cons, fri, shy mtrx, no fluor, no cut, 30% HALITE

ANHY: wht, off wht, lt gry, f-med xln, frm-mod frm, brit, no fluor, no cut, DOLO: wht, off wht, lt gry, vf xln txt, suc, mod frm-hd, no fluor, no cut, rd stn, LS: wht, off wht, crm, vf xln txt, frm-mod frm, cln, no fluor, no cut, RDSH: rd, dk rd, lt rd, blky-sb blky, rthy gran txt, frm-sft, slty-sdy ip, no wet cut, SS: rd, lt rd, clr, lt gry, vf gr txt, mod-w srtd, sb rnd-sb ang, sil/calc cmt, mod cons, fri, shy mtrx, no fluor, no cut, 40% HALITE

90% HALITE
RDSH: rd, dk rd, lt rd, blky-sb blky, rthy gran txt, frm-sft, slty-sdy ip, no wet cut

80% HALITE
ANHY: wht, off wht, lt

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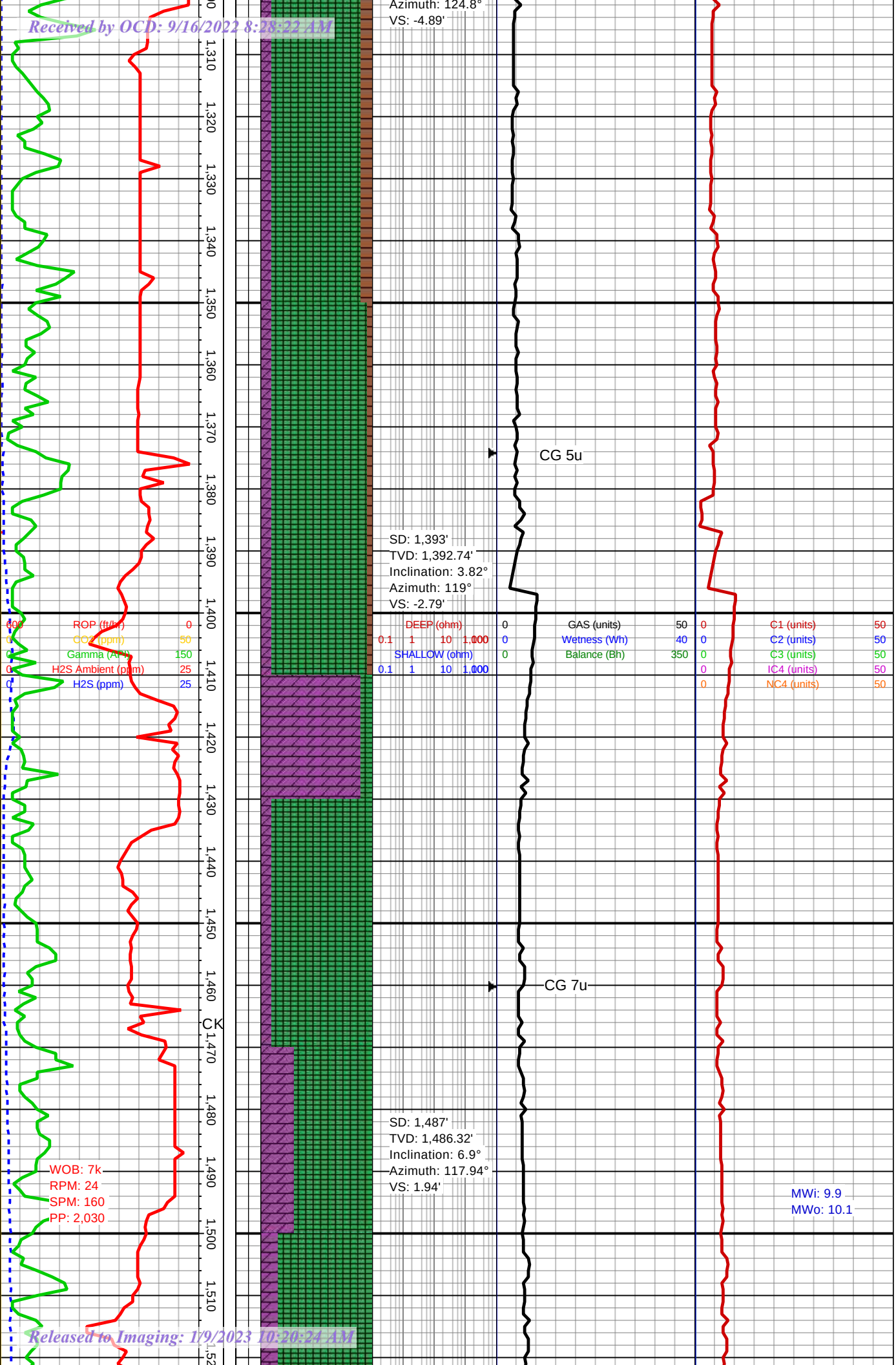

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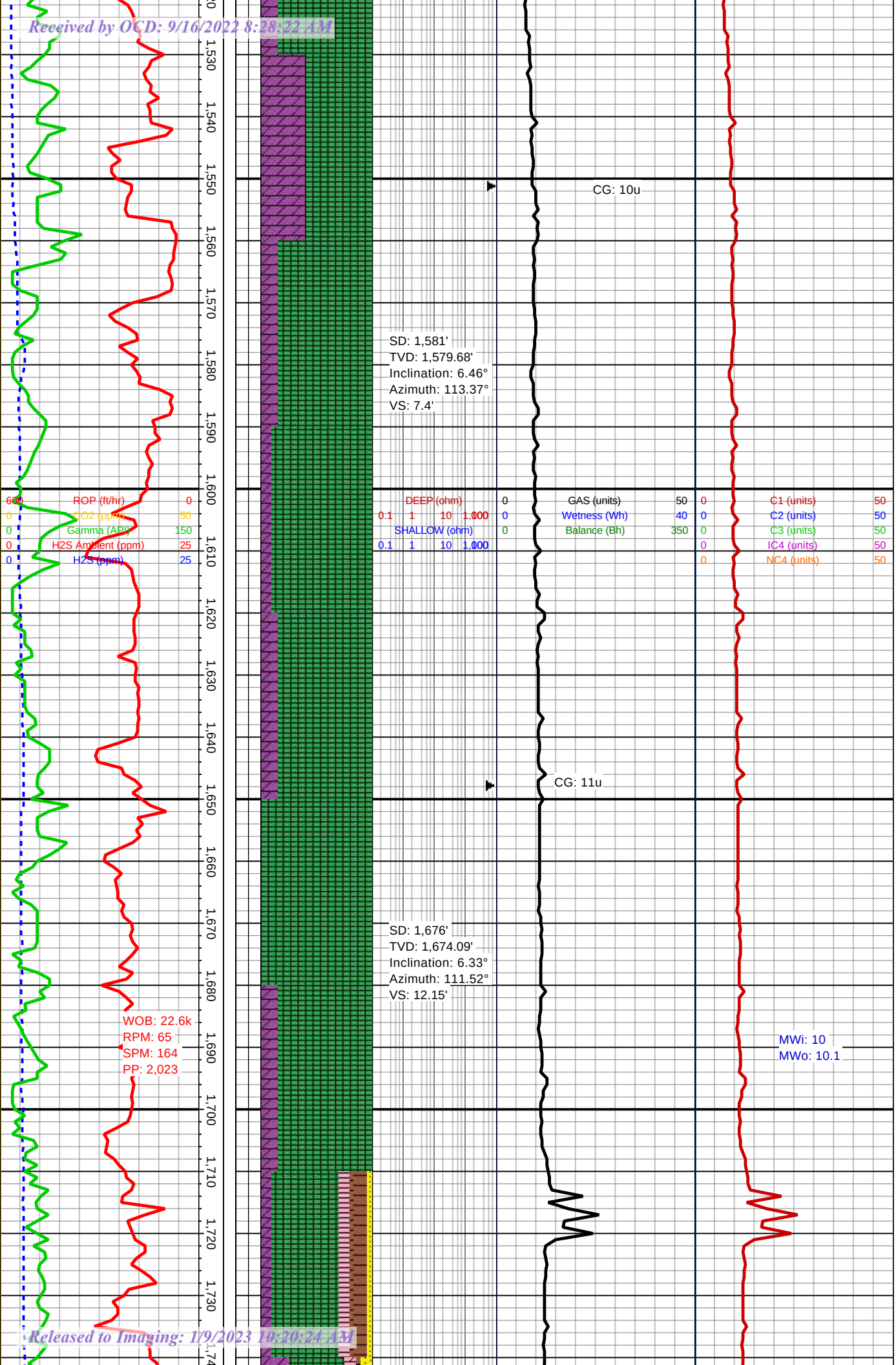

60% HALITE
ANHY: lt tn, wht, off wht, lt gry, lt brn, tn, gry f-micro xln, frm-hd, brit, no fluor, no cut

90% HALITE
ANHY: wht, off wht, lt gry, lt brn, tn, gry, pred f-micro xln, frm-hd, brit, no fluor, no cut

10% HALITE
ANHY: wht, off wht, lt gry, lt brn, tn, gry, f-micro xln, frm-hd, brit, no fluor, no cut

ANHY: wht, off wht, lt gry, f-med xln, frm-mod frm, brit, no fluor, no cut, DOLO: wht, off wht, lt gry, vf xln txt, suc, mod frm-hd, no fluor, no cut, rd stn, RDSH: rd, dk rd, lt rd, blky-sb blky, rthy gran txt, frm-sft, slty-sdy ip, no wet cut, SS: rd, lt rd,

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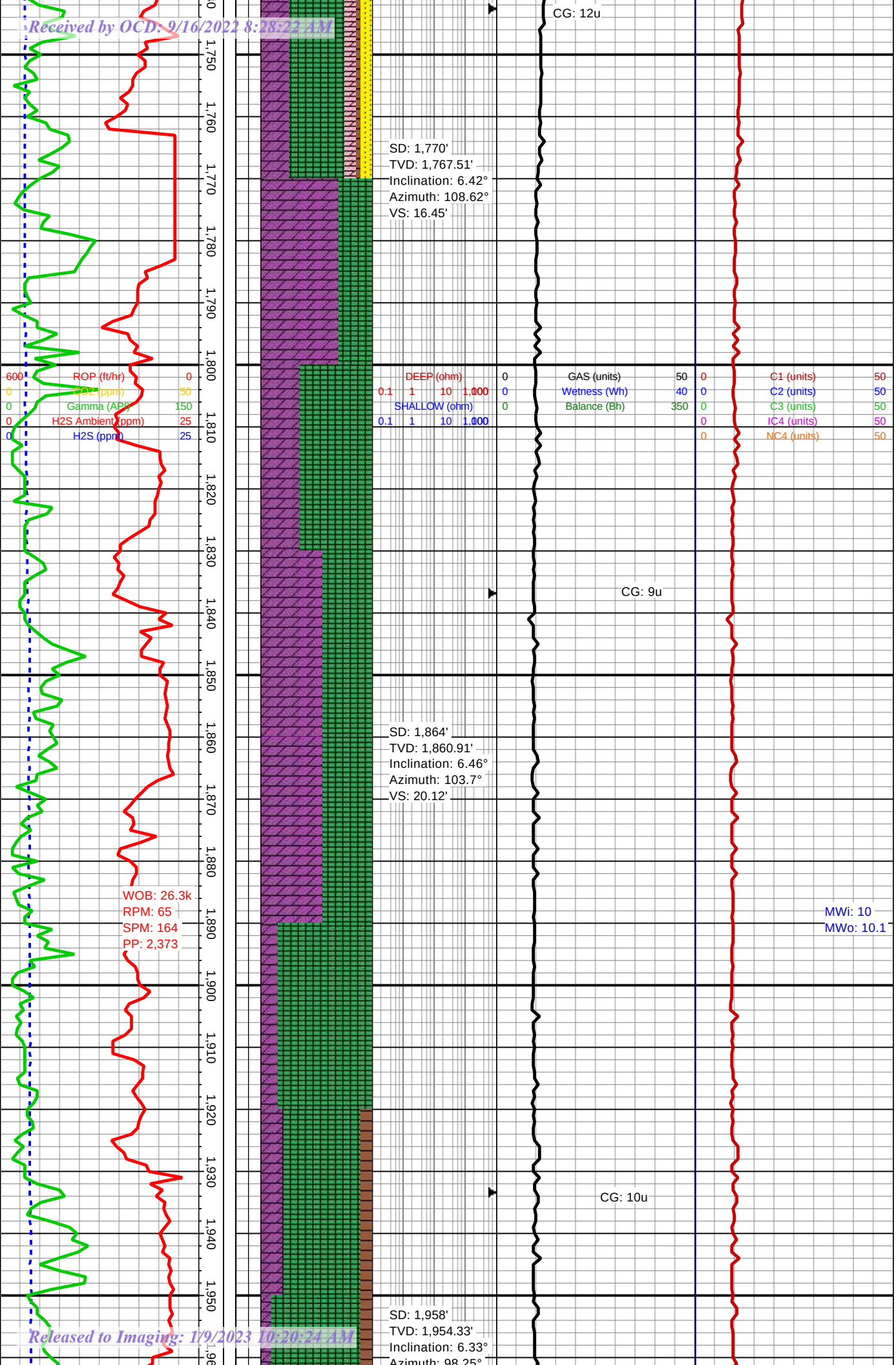

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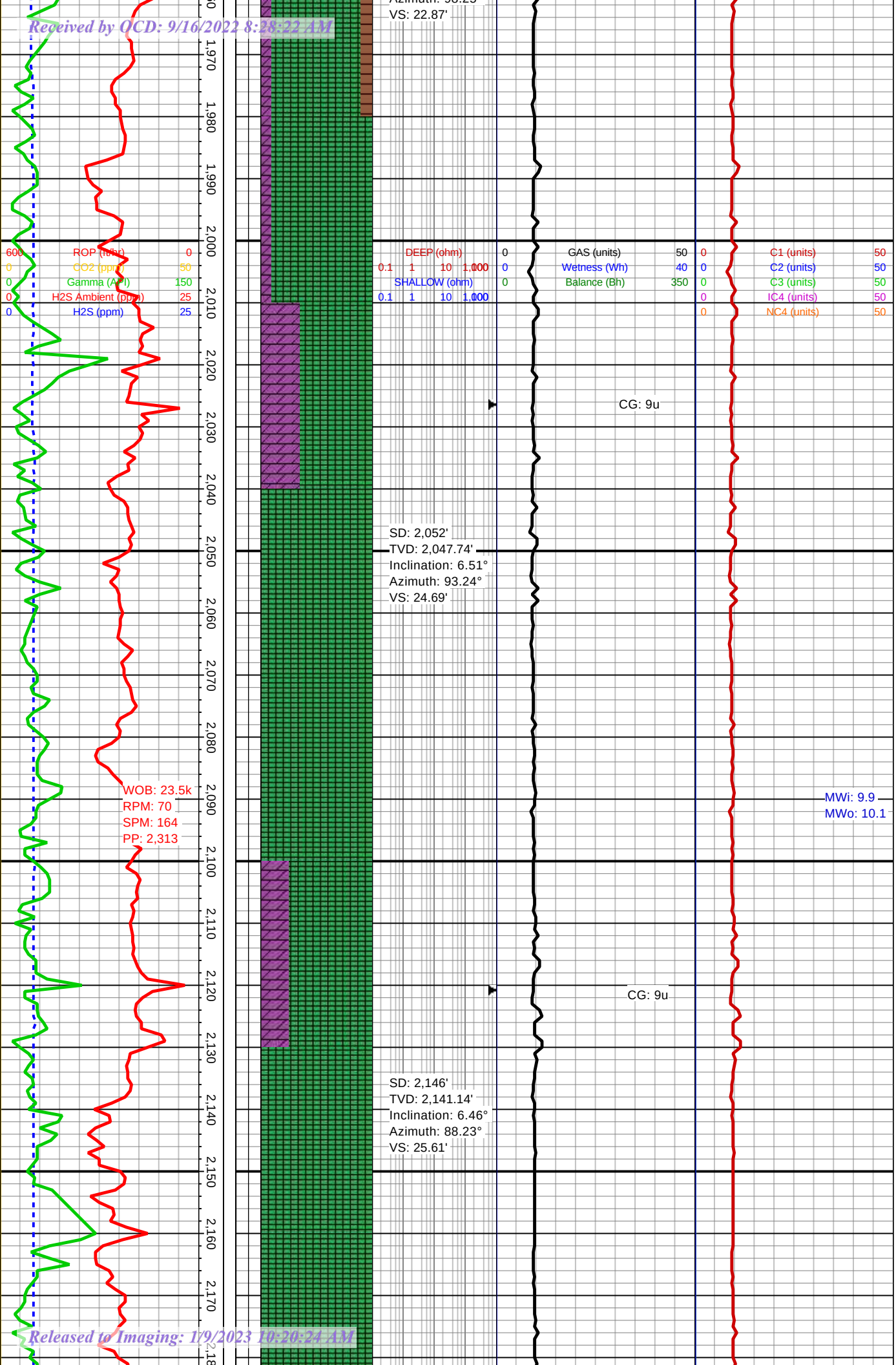

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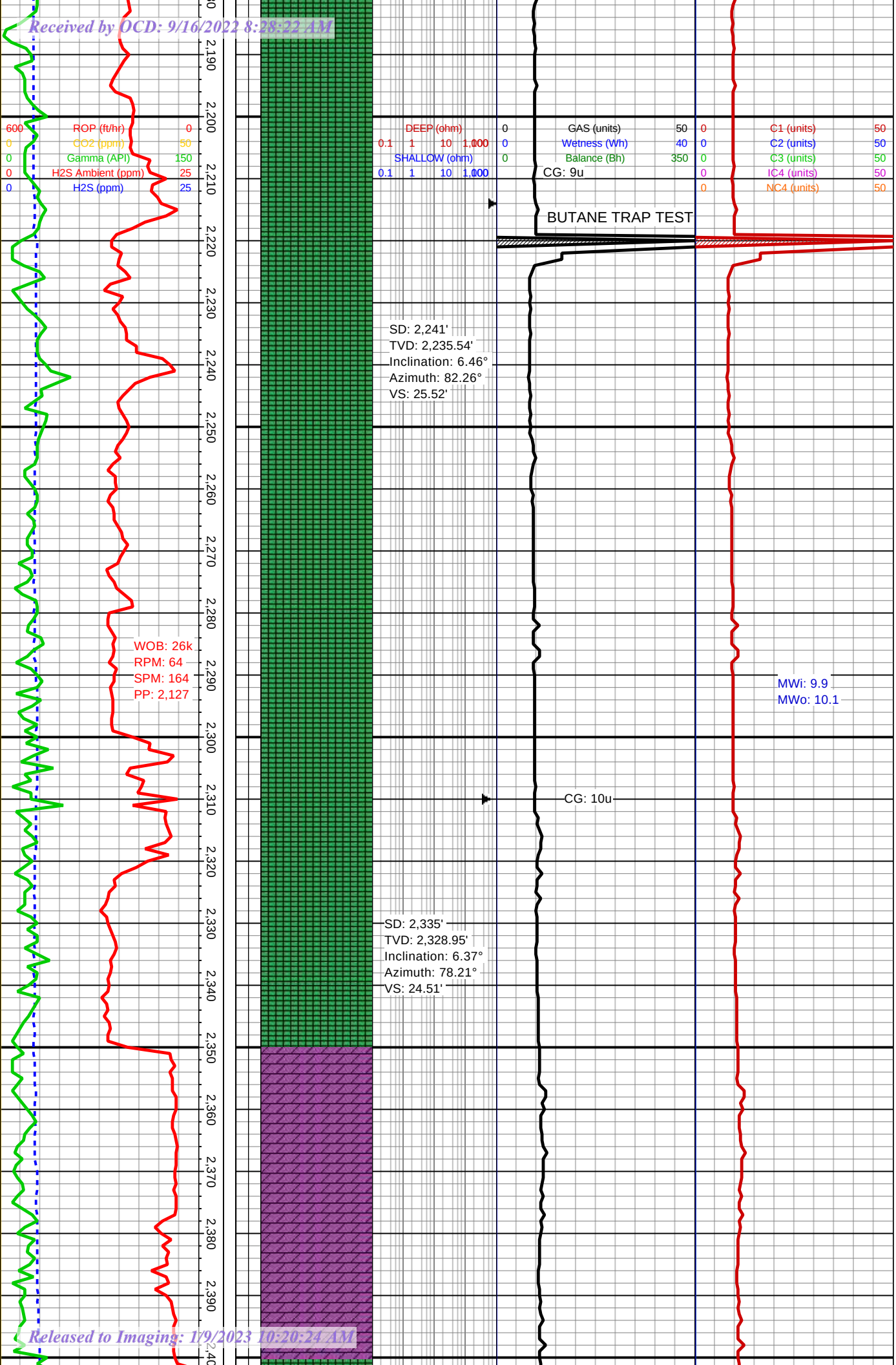

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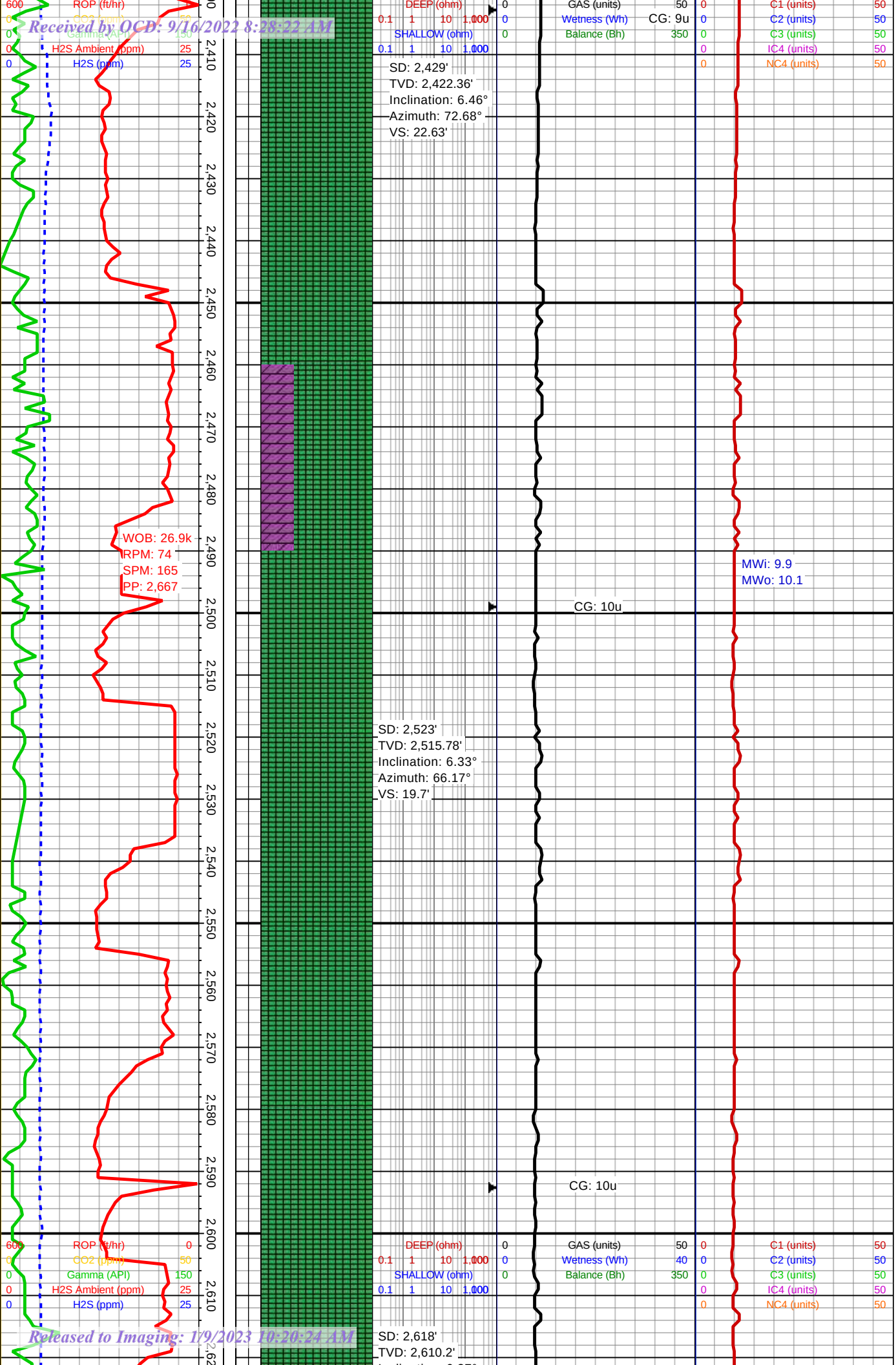

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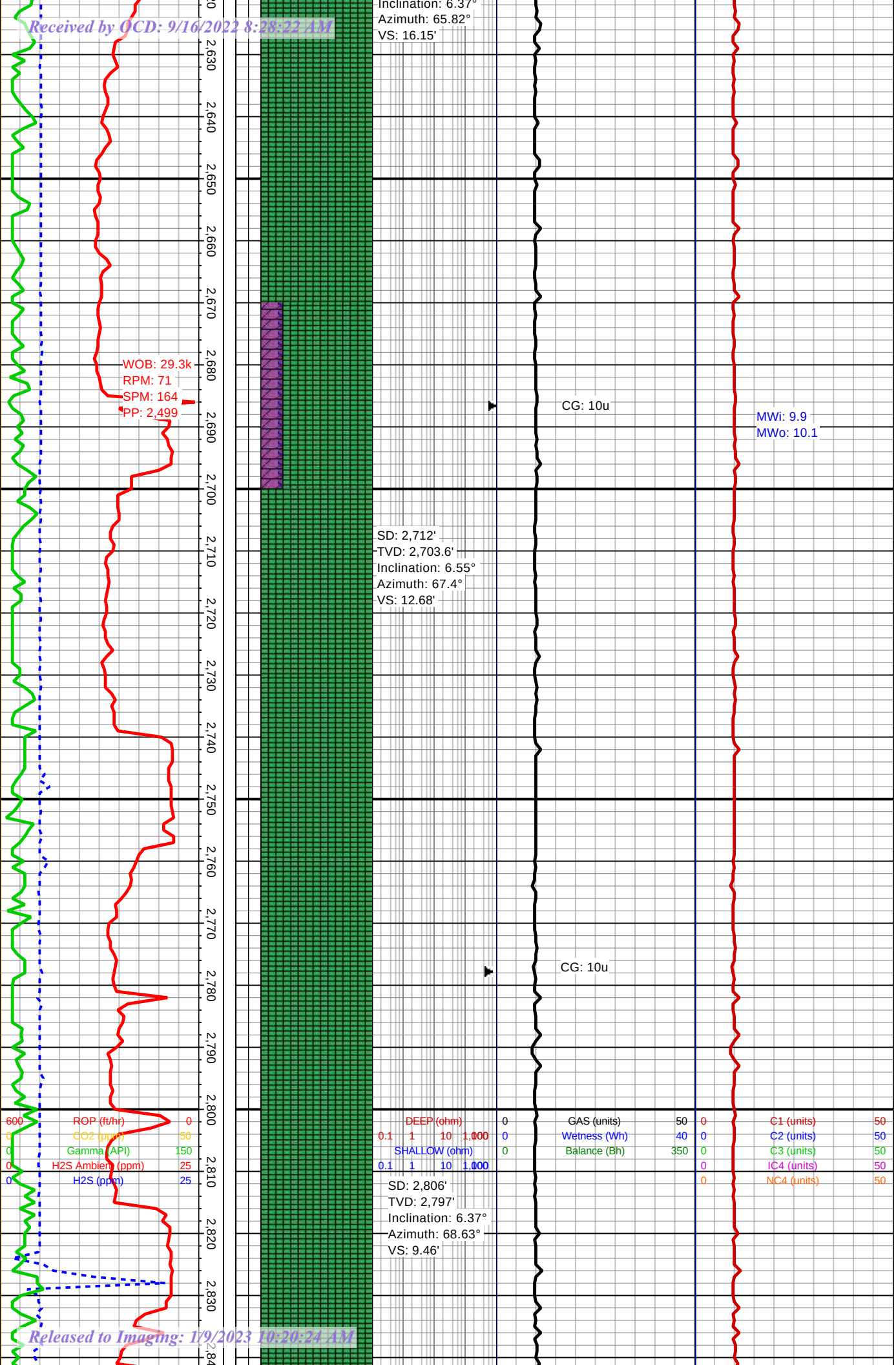

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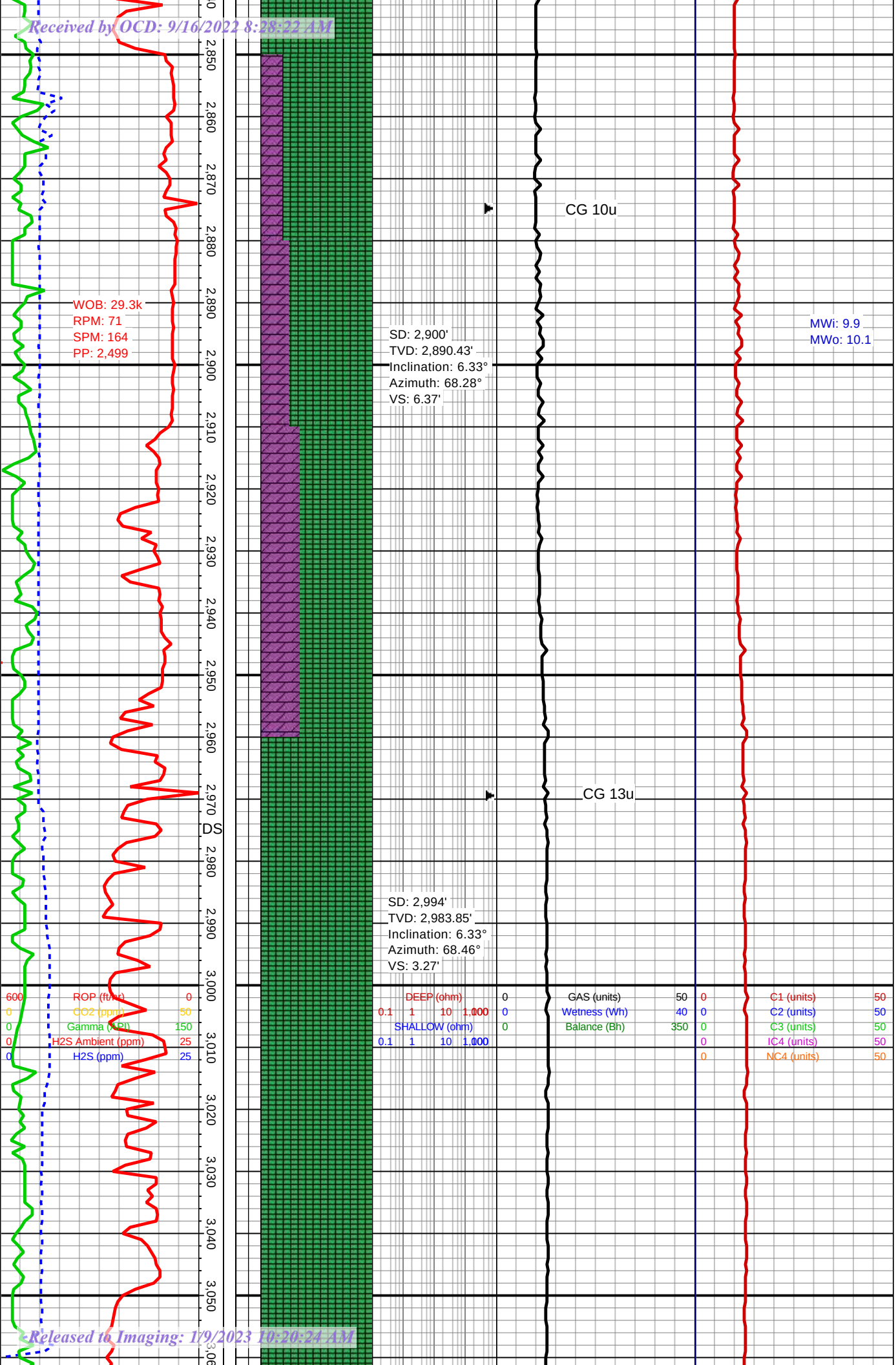

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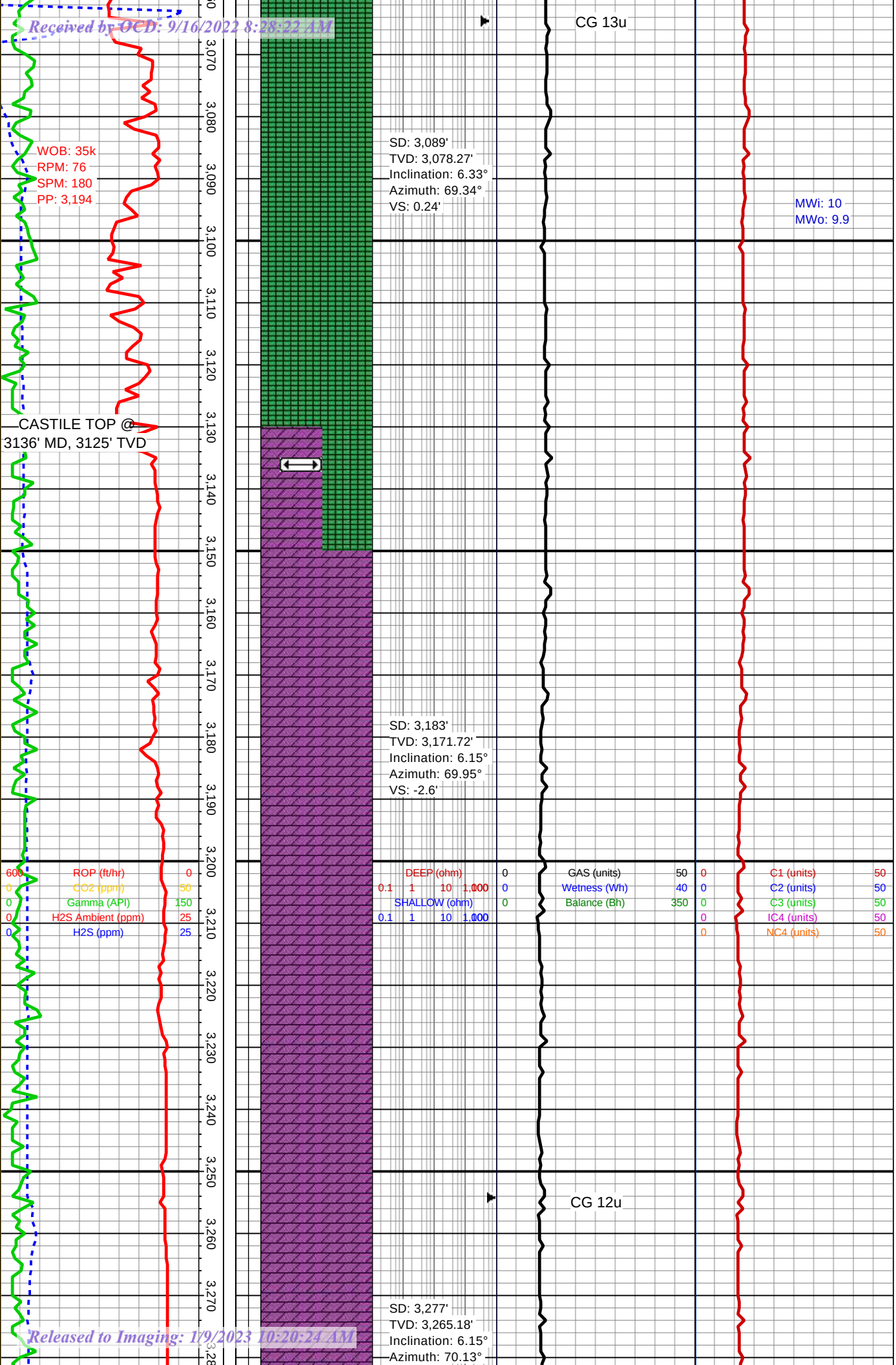

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VS: -5.32'

WOB: 35k
RPM: 75
SPM: 180
PP: 3,137

MWi: 10
MWo: 10.4

ANHY: wht, off wht, lt gry, vf-micro xln txt, suc, frm-occ hd, cln, no fluor, no cut

3,290 3,300 3,310 3,320 3,330 3,340 3,350 3,360 3,370 3,380 3,390 3,400 3,410 3,420 3,430 3,440 3,450 3,460 3,470 3,480 3,490

CG 16u

ANHY: wht, off wht, lt gry, tr crm, vf-micro xln txt, suc, frm-occ hd, cln, no fluor, no cut

SD: 3,371'
TVD: 3,358.63'
Inclination: 6.15°
Azimuth: 68.72°
VS: -8.15'

600	ROP (ft/hr)	0	DEEP (ohm)		0	GAS (units)	50	0	C1 (units)	50
0	CO2 (ppm)	50	0.1 1 10 1,000		0	Wetness (Wh)	40	0	C2 (units)	50
0	Gamma (API)	150	SHALLOW (ohm)		0	Balance (Bh)	350	0	C3 (units)	50
0	H2S Ambient (ppm)	25	0.1 1 10 1,000					0	IC4 (units)	50
0	H2S (ppm)	25						0	NC4 (units)	50

ANHY: wht, off wht, lt gry, tr crm, vf-f xln, occ micro xln txt, suc, frm-occ hd, cln, no fluor, no cut

CG 16u

ANHY: wht, off wht, lt gry, tr crm, vf-f xln, occ micro xln txt, suc, frm-occ hd, cln, no fluor, no cut

SD: 3,465'
TVD: 3,452.09'
Inclination: 6.15°
Azimuth: 67.58°
VS: -11.2'

WOB: 37k
RPM: 75
SPM: 180
PP: 3,266

MWi: 10.1
MWo: 10.5

ANHY: wht, off wht, lt gry, tr crm, vf-f xln, occ

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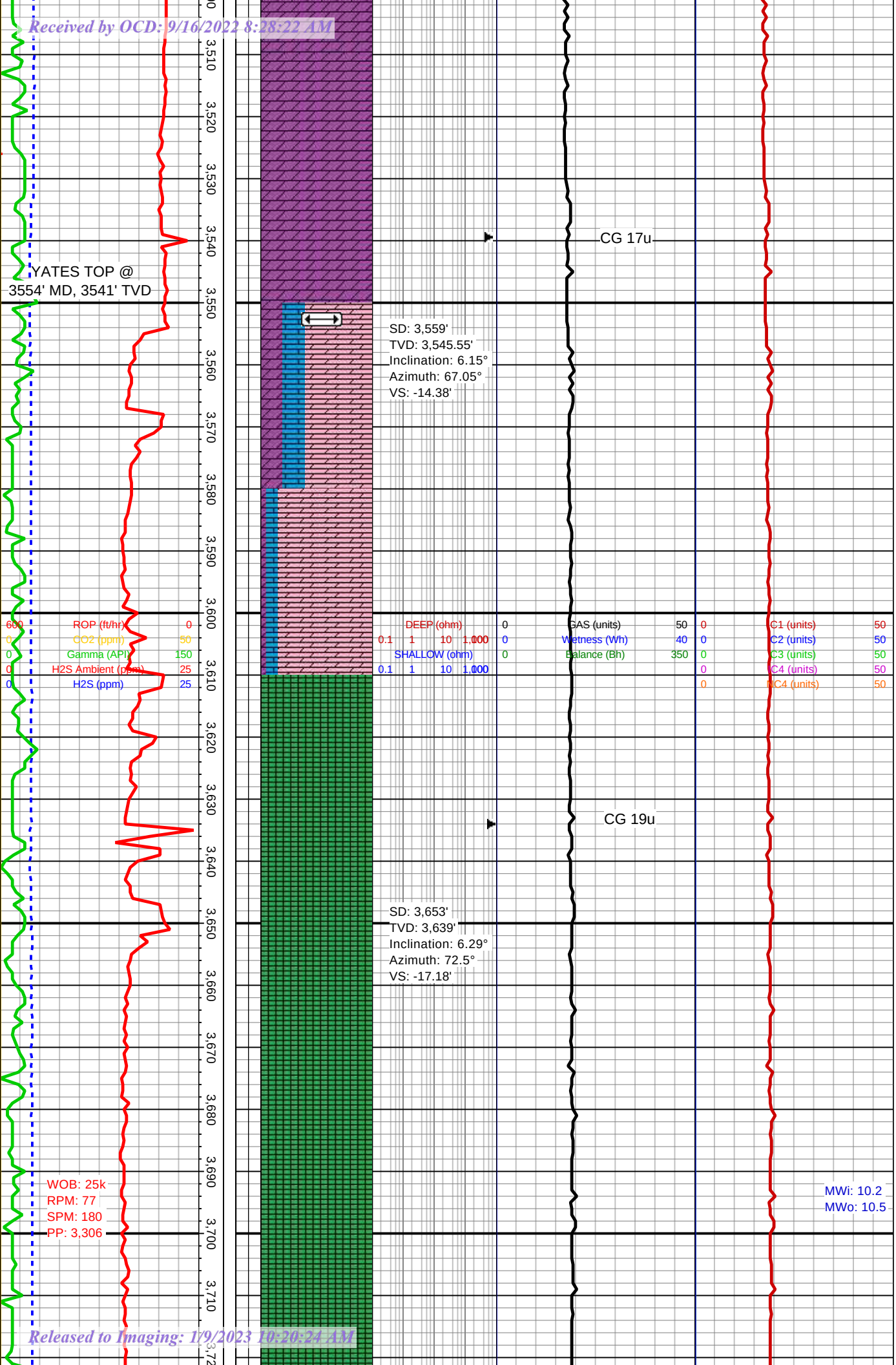

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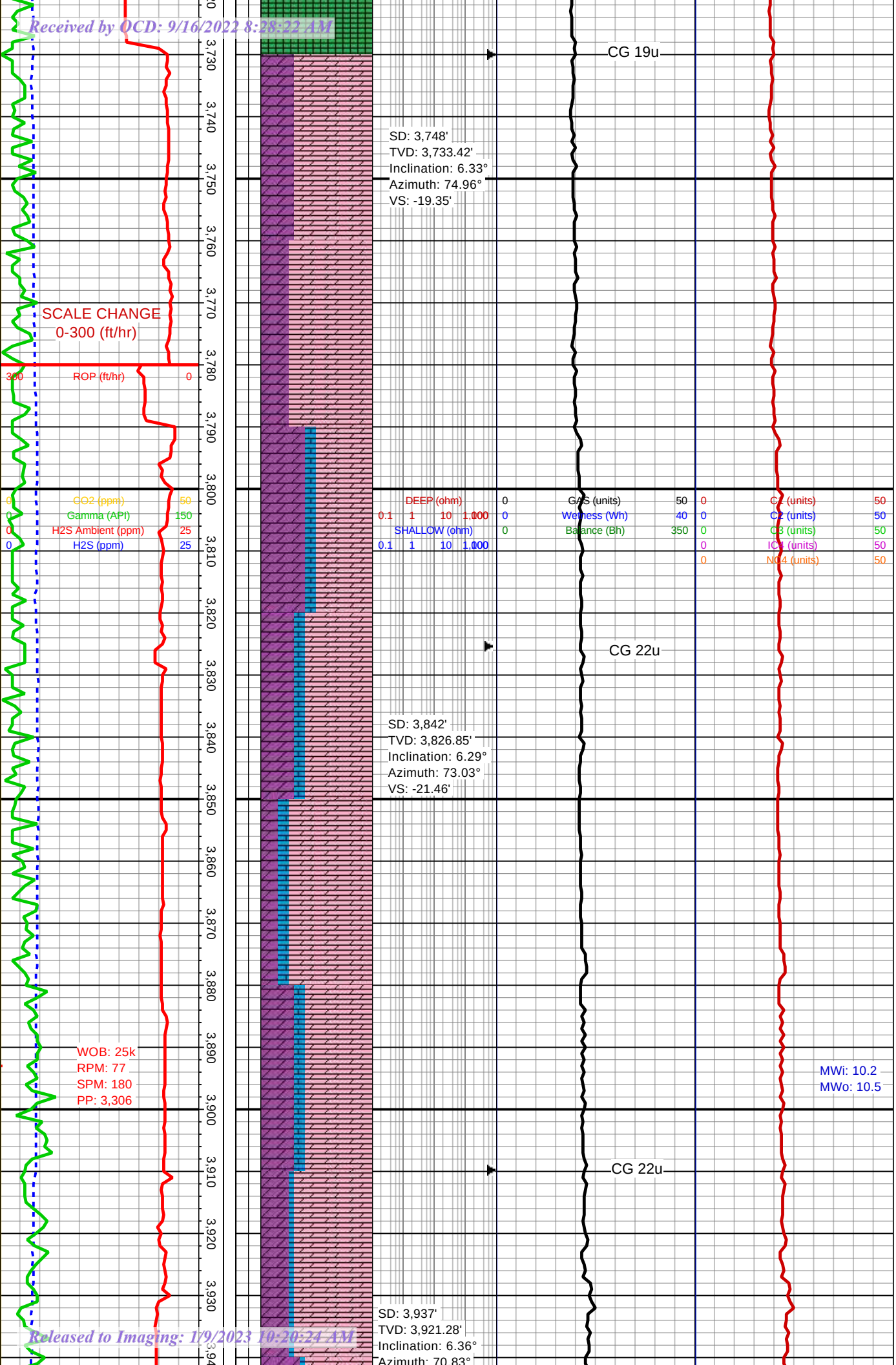

DOLO: lt brn, brn, wht, off wht, tn, lt gry, vf-med xln, sucro, lmy fros, frm-mod frm, cln, no fluor, no cut, ANHY: wht, off wht, lt gry, vf-f xln txt, frm-mod frm, no fluor, no cut

ANHY: wht, off wht, lt gry, vf-f xln txt, frm-mod frm, no fluor, no cut, DOLO: lt brn, brn, wht, off wht, tn, lt gry, vf-med xln, sucro, lmy fros, frm-mod frm, cln, no fluor, no cut

ANHY: wht, off wht, lt gry, vf-f xln txt, frm-mod frm, no fluor, no cut, DOLO: lt brn, brn, wht, off wht, tn, lt gry, vf-med xln, sucro, lmy fros, frm-mod frm, cln, no fluor, no cut, LS: wht, off wht, vf xln txt, frm-sft, cln, no fluor, no cut

ANHY: wht, off wht, lt gry, vf-f xln txt, frm-mod frm, no fluor, no cut, LS: wht, off wht, vf xln txt, frm-sft, cln, no fluor, no cut, DOLO: lt brn, brn, wht,

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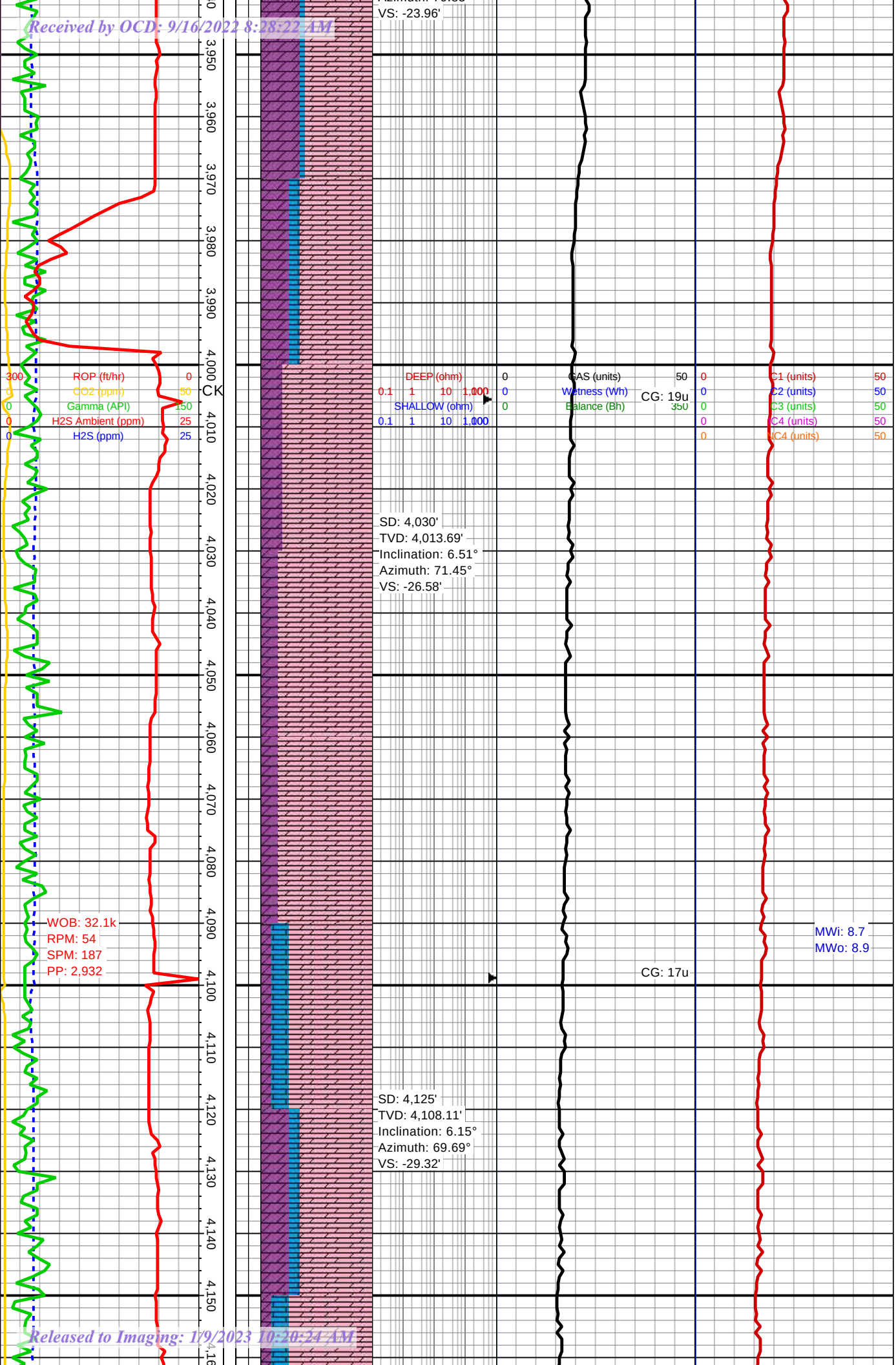

gry, vf-med xln, sucro, lmy fros, frm-mod frm, cln, no fluor, no cut

ANHY: wht, off wht, lt gry, vf-f xln txt, frm-mod frm, no fluor, no cut, DOLO: lt brn, brn, wht, off wht, tn, lt gry, vf-med xln, sucro, lmy fros, frm-mod frm, cln, no fluor, no cut, LS: wht, off wht, vf xln txt, frm-sft, cln, no fluor, no cut

DOLO: lt brn, brn, wht, off wht, tn, lt gry, vf-med xln, sucro, lmy fros, frm-mod frm, cln, no fluor, no cut, ANHY: wht, off wht, lt gry, vf-f xln txt, frm-mod frm, no fluor, no cut

ANHY: wht, off wht, lt gry, vf-f xln txt, frm-mod frm, no fluor, no cut, DOLO: lt brn, brn, wht, off wht, tn, lt gry, vf-med xln, sucro, lmy fros, frm-mod frm, cln, no fluor, no cut, LS: wht, off wht, vf xln txt, frm-sft, cln, no fluor, no cut

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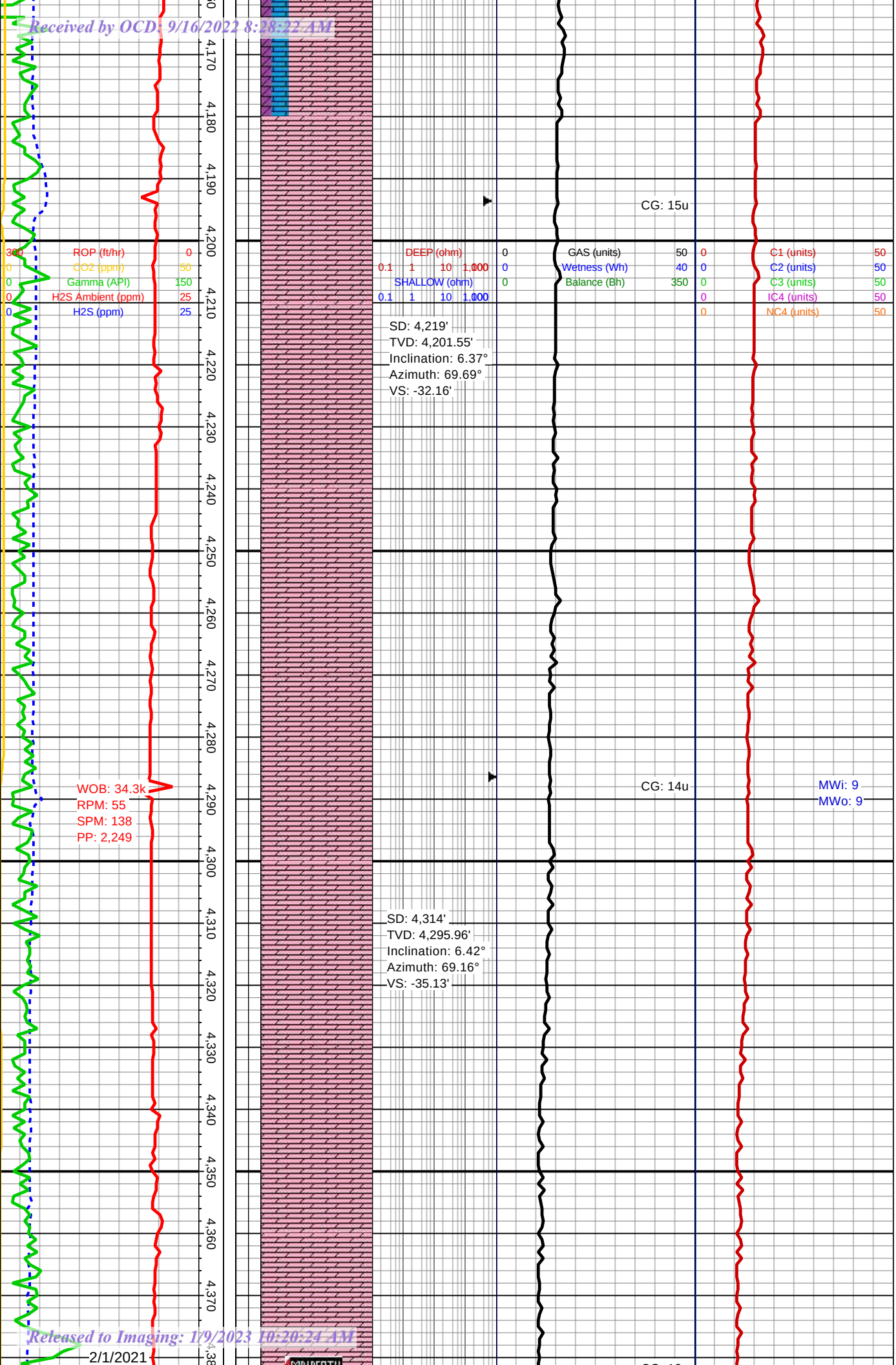

ANHY: wht, off wht, lt gry, vf-f xln txt, frm-mod frm, no fluor, no cut, DOLO: lt brn, brn, wht, off wht, tn, lt gry, vf-med xln, sucro, lmy fros, frm-mod frm, cln, no fluor, no cut, LS: wht, off wht, vf xln txt, frm-sft, cln, no fluor, no cut

DOLO: wht, off wht, lt brn, tn, lt gry, gry, micro xln txt, occ sb sucro - sucro, mod frm-hd, lmy fros, no fluor, no cut

DOLO: pred lt-med gry, wht, off wht, crm, tn, buff mot, pred f-vf xln txt, w/ sme micro xln, frm-hd/dns, chlky ip, sli arg thru, no fluor, no cut

DOLO: lt-med gry, tn, brn, wht, off wht, pred vf-micro xln txt, frm-sl hd, lmy fros, sb sucro -sucro, dns ip, tr ANHY scat, sme SS gr, no fluor, no cut,

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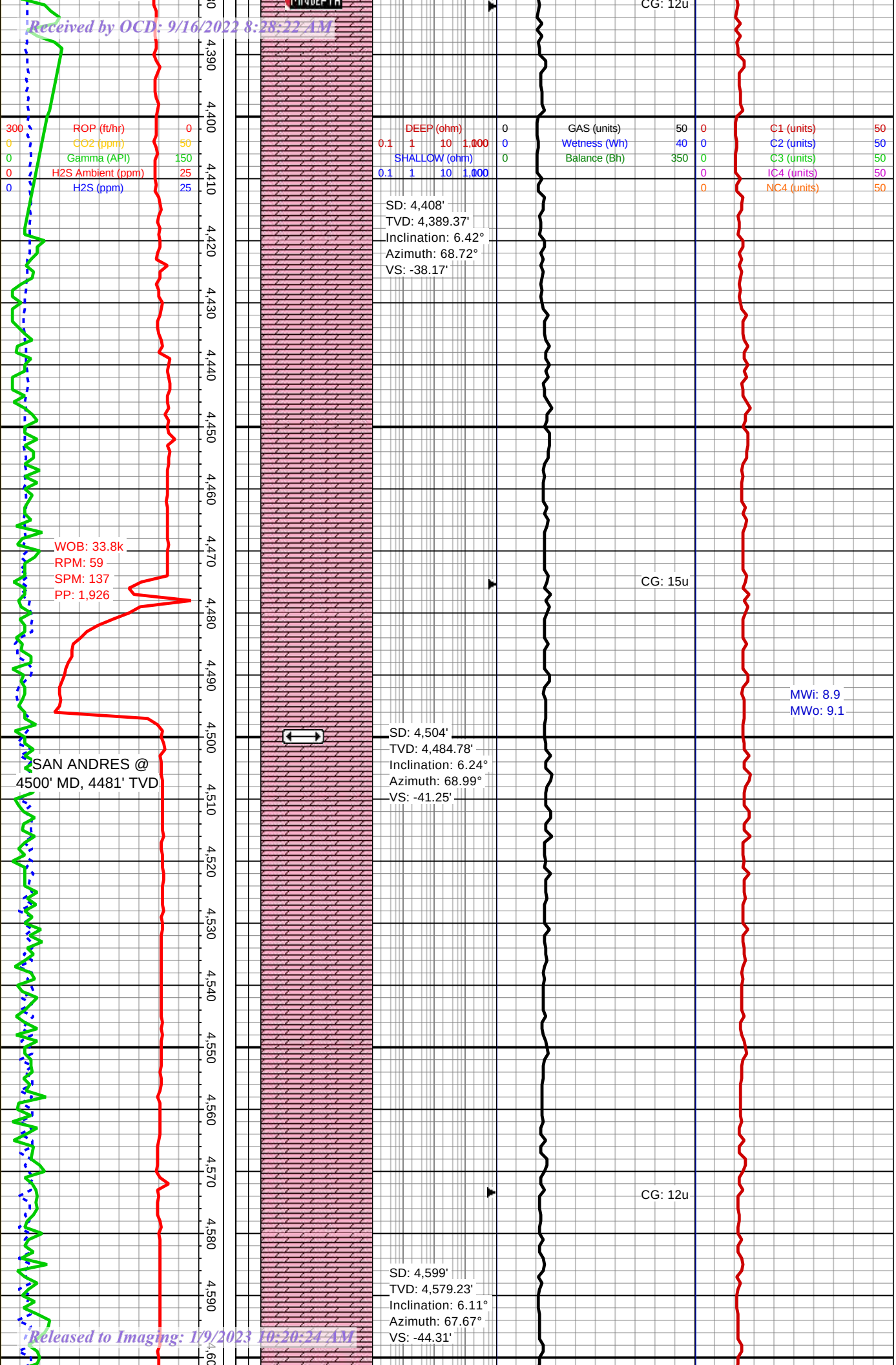

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DOLO: wht, off wht, crm, tn, lt-med gry, mot, f-vf xln txt, w/ sme micro xln, frm-hd/dns, chlky ip, sl arg, no fluor, no cut

DOLO: pred brn, wht, off wht, crm, tn, lt-med gry, mot, f-vf xln txt, w/ sme micro xln, frm-hd/dns, chlky ip, sl arg, no fluor, no cut

DOLO: pred brn, wht, off wht, crm, tn, lt-med gry, mot, f-vf xln txt, w/ sme micro xln, frm-hd/dns, chlky ip, sl arg, no fluor, no cut

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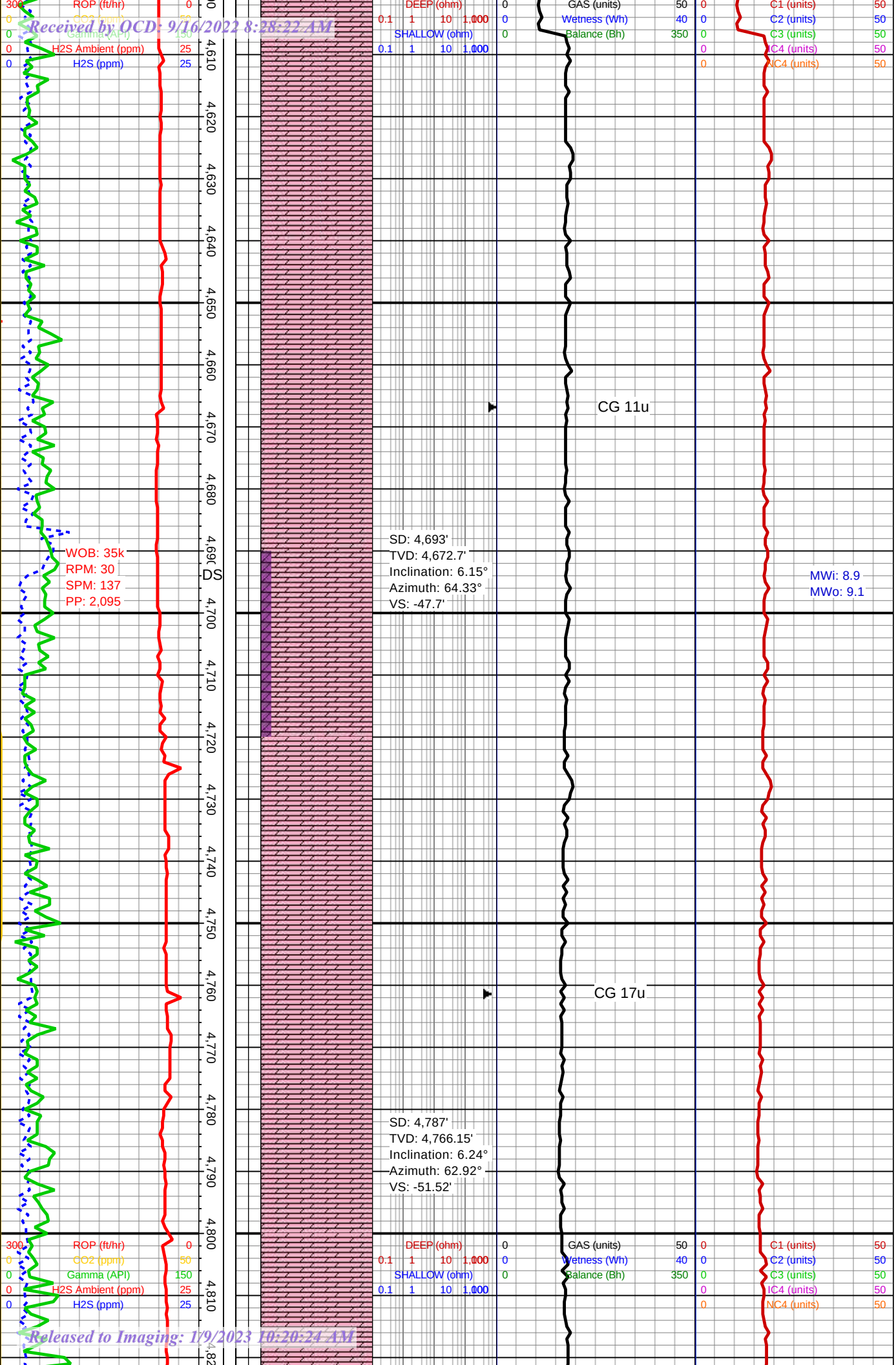

DOLO: lt-drk brn, wht, off wht, crm, tn, lt-med gry, mot, f-vf xln txt, w/ sme micro xln, frm-hd/dns, chlky ip, sl arg, no fluor, no cut

DOLO: pred brn, wht, off wht, crm, tn, lt-med gry, mot, f-vf xln txt, w/ sme micro xln, frm-hd/dns, chlky ip, sl arg, no fluor, no cut

DOLO: wht, off wht, brn, lt brn, lt gry, vf-micro xln txt, mod frm-tr hd/dns, brit, lmy fros, no fluor, no cut, ANHY: wht, off wht, lt gry, vf xln txt, frm-mod frm, cln, no fluor, no cut

DOLO: wht, off wht, brn, lt brn, lt gry, vf-micro xln txt, mod frm-tr hd/dns, brit, lmy fros, no fluor, no cut

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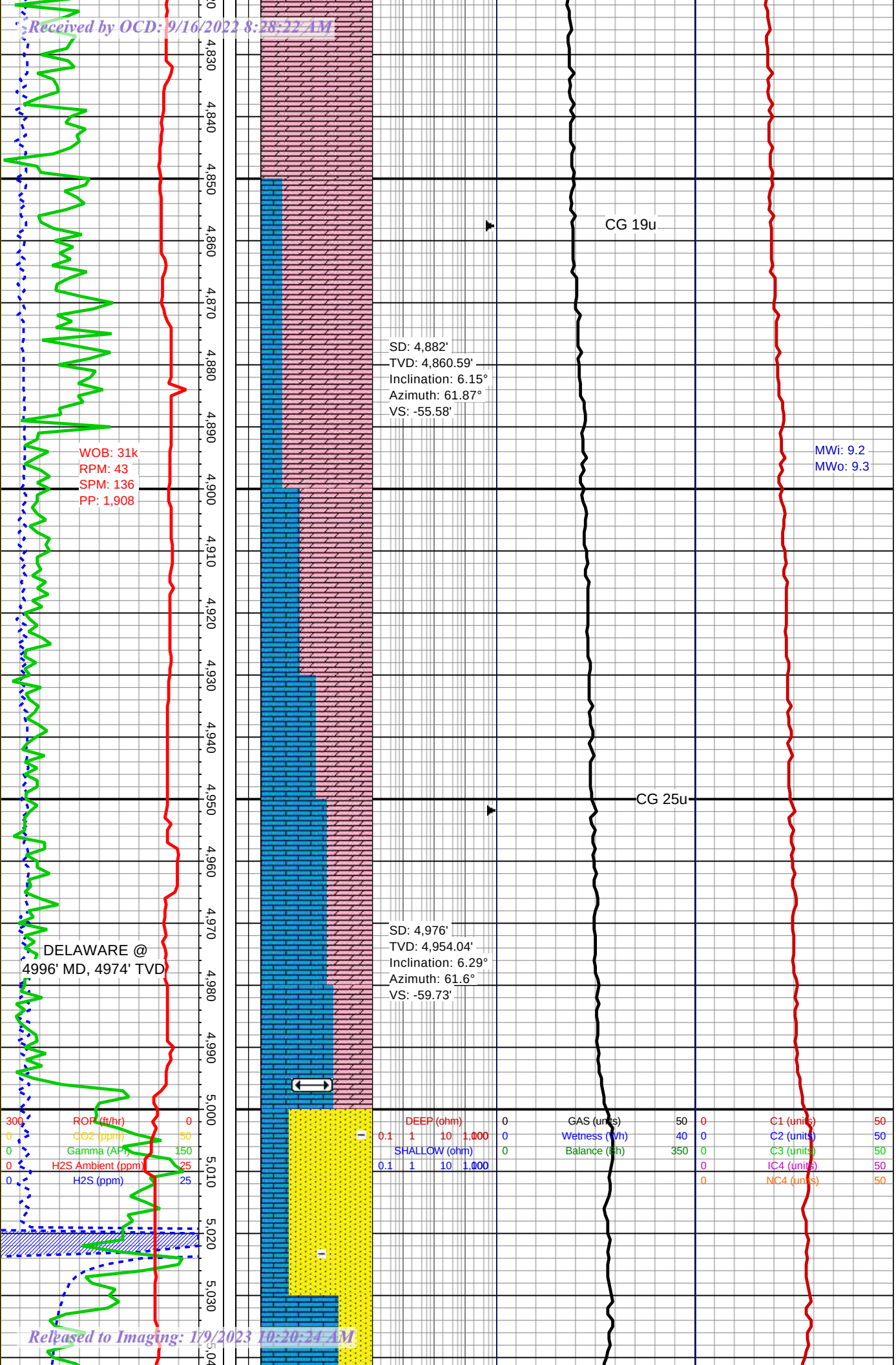

DOLO: wht, off wht, brn, lt brn, lt gry, vf-occ micro xln txt, sucro, mod frm-tr hd/dns, brit, lmy fros, no fluor, no cut

LS: wht, off wht, crm, vf xln txt, chlky, sft-occ frm, cln, no fluor, no cut, DOLO: wht, off wht, brn, lt brn, lt gry, vf-occ micro xln txt, sucro, mod frm-sft, tr hd/dns, brit, lmy fros, no fluor, no cut

LS: wht, off wht, crm, vf xln txt, chlky, sft-occ frm, cln, no fluor, no cut, DOLO: wht, off wht, brn, lt brn, lt gry, vf-occ micro xln txt, sucro, mod frm-sft, tr hd/dns, brit, lmy fros, no fluor, no cut

SS: gry, dk gry, opq, vf-gr txt, mod-ply srtd, sb ang-ang, sil/calc cmt, mod-w cons, sme fri, mod-v arg, no fluor, no cut, LS: lt-dk brn, wht-off wht, mot, vf-micro xln, hd-frm, brit, no fluor, no cut .

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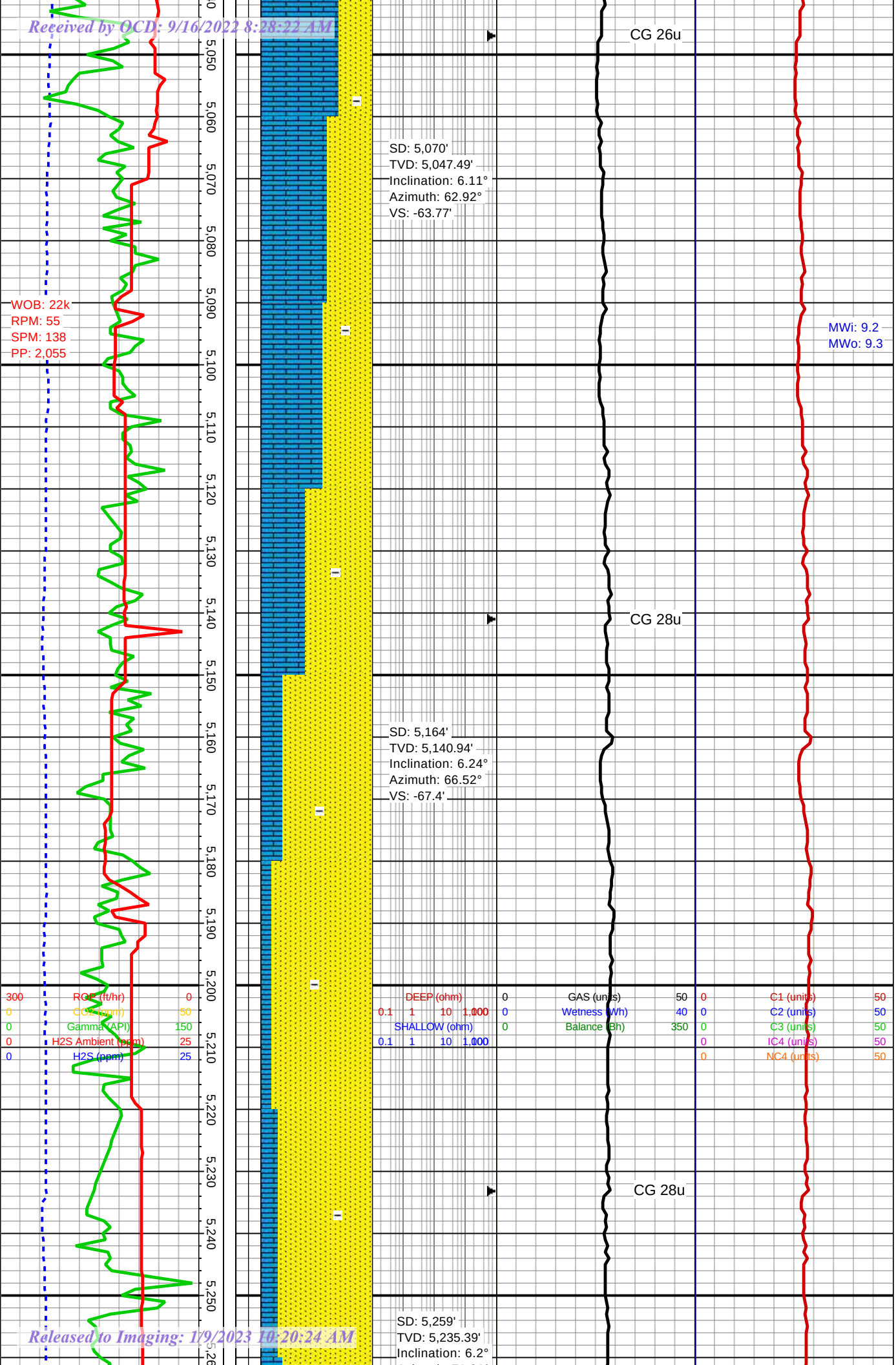

SS: gry, dk gry, opq, vf-gr txt, mod-w srtd, sb rnd-sub ang, sil/calc cmt, mod-w cons, fri, mod-v arg, no fluor, no cut, LS: lt-dk brn, wht-off wht, mot, vf-micro xln, hd-frm, brit, no fluor, no cut

SS: gry, dk gry, opq, vf-gr txt, mod-w srtd, rnd-occ sub ang, sil/calc cmt, mod cons, fri, mod-v arg, no fluor, no cut, LS: lt-dk brn, wht-off wht, mot, vf-micro xln, hd-frm, brit, no fluor, no cut

SS: gry, dk gry, clr, lt gry, opq, vf-f gr txt, mod-w srtd, rnd-occ sub ang, sil/calc cmt, mod cons, fri, mod-v arg, no fluor, no cut, LS: lt-dk brn, wht-off wht, mot, vf-micro xln, hd-frm, brit, no fluor, no cut

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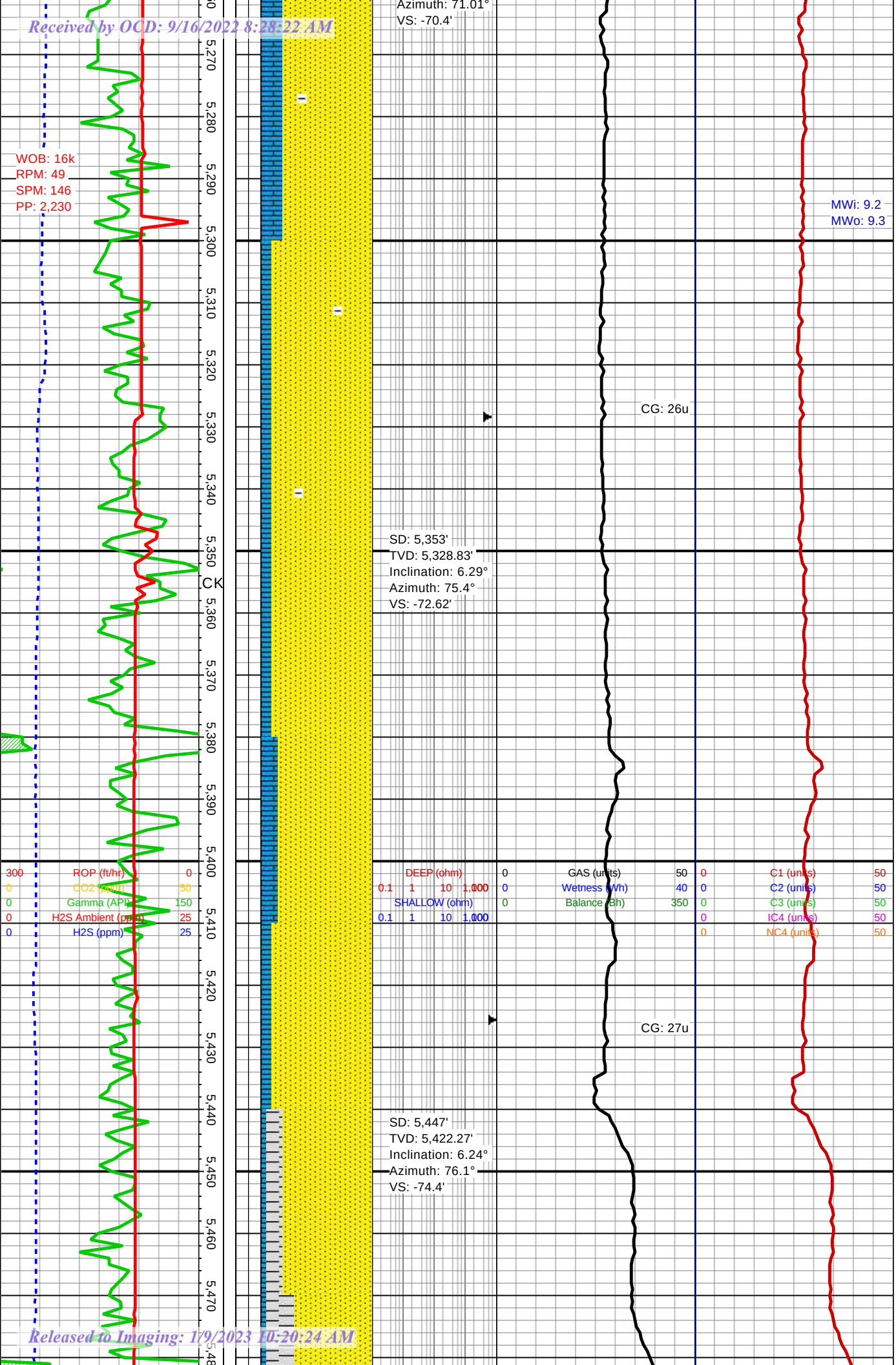

SS: gry, dk gry, opq, vf-gr txt, mod-w srtd, sb rnd-sub ang, sil/calc cmt, mod-w cons, fri, mod-v arg, no fluor, no cut, LS: lt-dk brn, wht-off wht, mot, vf-micro xln, hd-frm, brit, no fluor, no cut

SS: gry, dk gry, opq, vf-gr txt, mod-w srtd, rnd-occ sub ang, sil/calc cmt, mod cons, fri, mod-v arg, no fluor, no cut, LS: lt-dk brn, wht-off wht, mot, vf-micro xln, hd-frm, brit, no fluor, no cut

SS: gry, dk gry, opq, vf-gr txt, mod-w srtd, rnd-occ sub ang, sil/calc cmt, mod cons, fri, mod-v arg, no fluor, no cut, LS: lt-dk brn, wht-off wht, mot, vf-micro xln, hd-frm, brit, no fluor, no cut

SS: gry, dk gry, opq, vf-gr txt, mod-w srtd, sb rnd-sub ang, sil/calc cmt, mod-w cons, fri,

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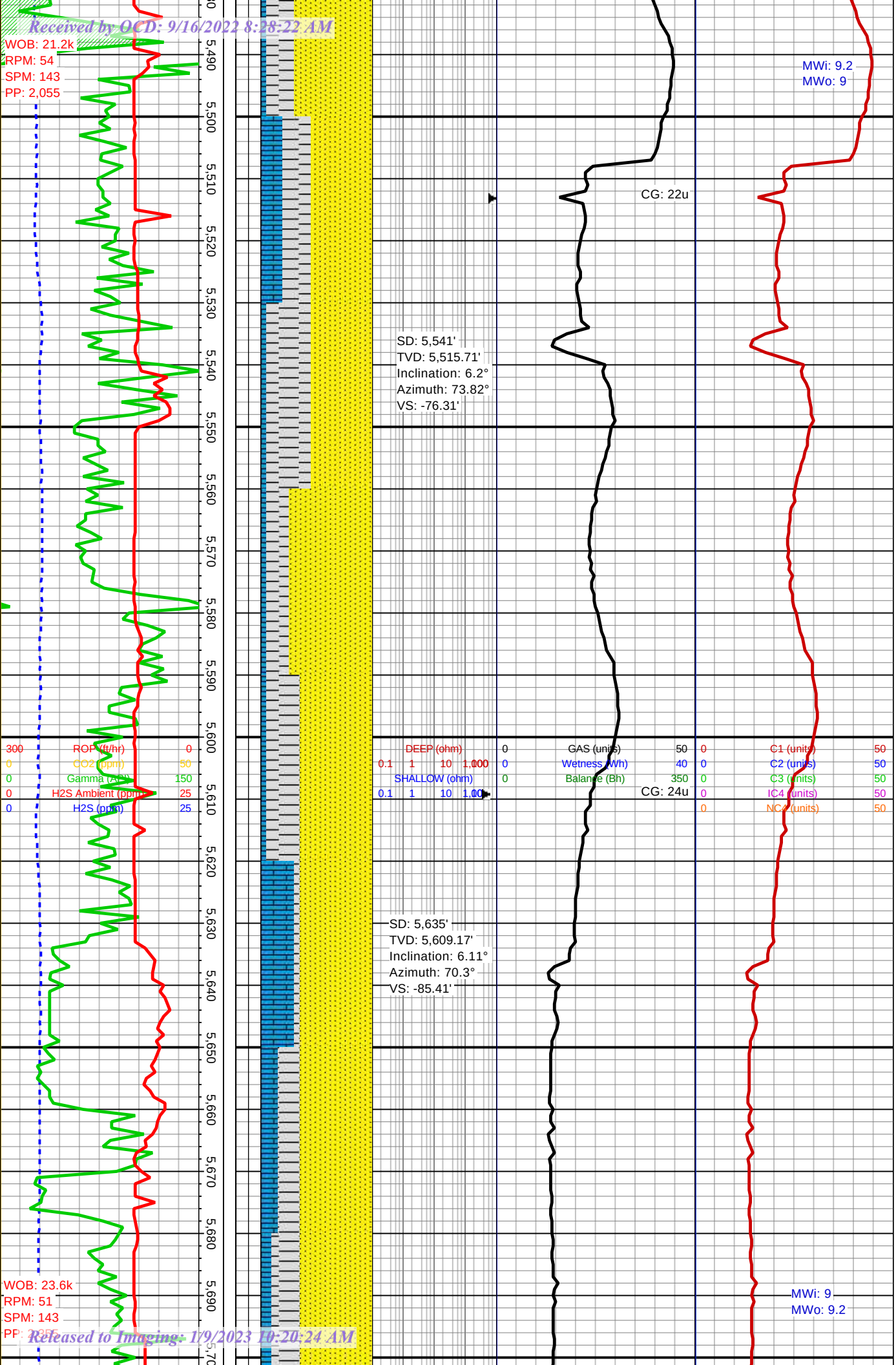

mod-v arg, no fluor, no cut, LS: lt-dk brn, wht-off wht, mot, vf-micro xln, hd-frm, brit, no fluor, no cut, SH: blk, dk gry, dk brn, blky, sb blky, mod frm-sli sft ip, sli aren, arg, no flor no cut

SS: gry, dk gry, opq, vf-gr txt, mod-w srtd, sb rnd-sub ang, sil/calc cmt, mod-w cons, fri, mod-v arg, no fluor, no cut, LS: lt-dk brn, wht-off wht, mot, vf-micro xln, hd-frm, brit, no fluor, no cut, SH: blk, dk gry, dk brn, blky, sb blky, mod frm-sli sft ip, sli aren, arg, no flor no cut

SS: gry, dk gry, opq, vf-gr txt, mod-w srtd, sb rnd-sub ang, sil/calc cmt, mod-w cons, fri, mod-v arg, no fluor, no cut, LS: lt-dk brn, wht-off wht, mot, vf-micro xln, hd-frm, brit, no fluor, no cut, SH: blk, dk gry, dk brn, blky, sb blky, mod frm-sli sft ip, sli aren, arg, no flor no cut

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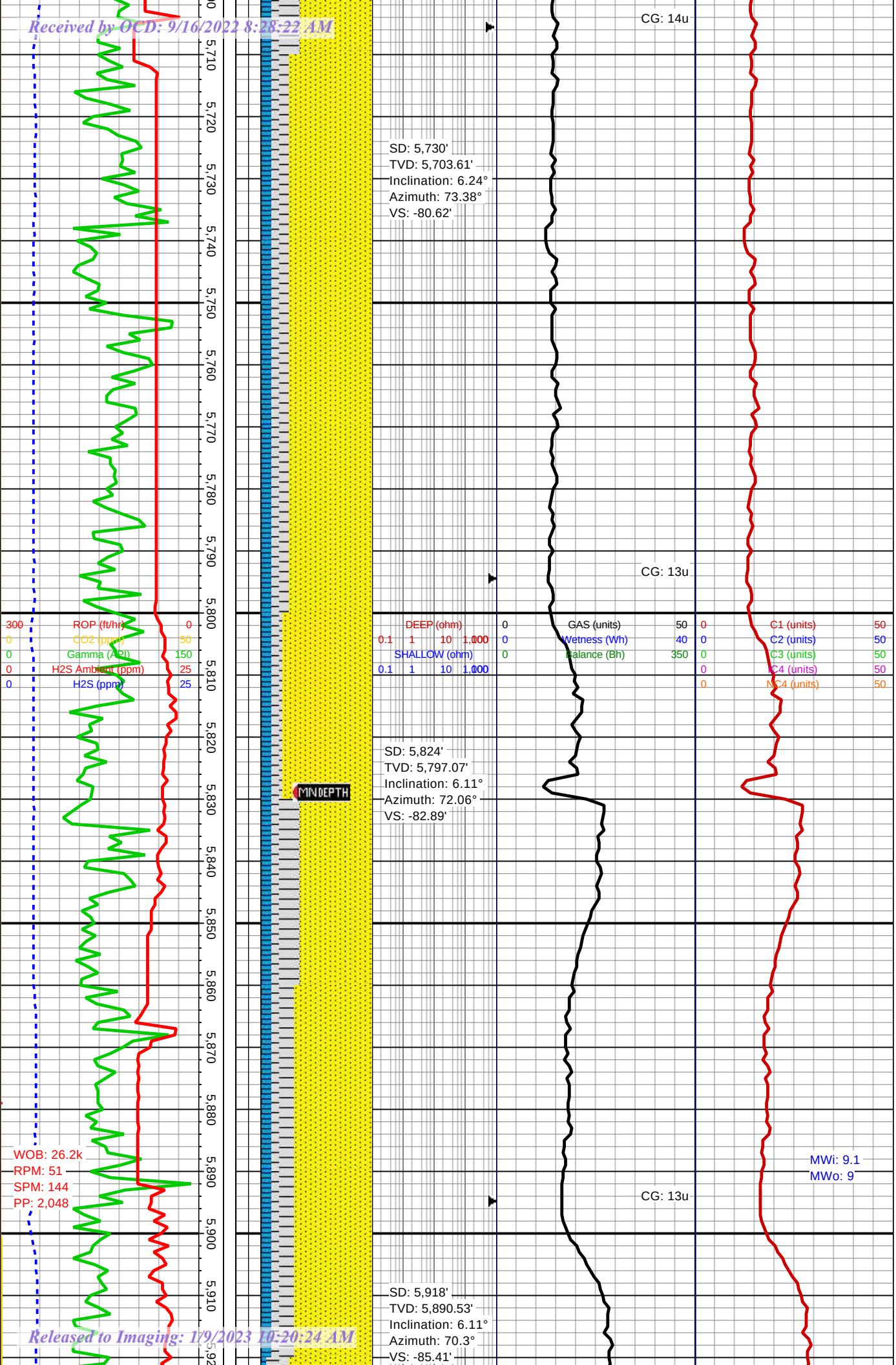

SS: lt gry, dk gry, opq, vf-f gr txt, mod-w srtd, rnd-occ sub ang, sil/calc cmt, mod cons, fri, mod-v arg, no fluor, no cut, LS: lt-dk brn, wht-off wht, mot, vf-micro xln, hd-frm, brit, no fluor, no cut

SS: gry, dk gry, opq, vf-gr txt, mod-w srtd, sb rnd-sub ang, sil/calc cmt, mod-w cons, fri, mod-v arg, no fluor, no cut, LS: lt-dk brn, wht-off wht, mot, vf-micro xln, hd-frm, brit, no fluor, no cut, SH: blk, dk gry, dk brn, blky, sb blky, mod frm-sli sft ip, sli aren, arg, no flor no cut

SS: lt gry, dk gry, opq, vf-f gr txt, mod-w srtd, rnd-occ sub ang, sil/calc cmt, mod cons, fri, mod-v arg, no fluor, no cut, LS: lt-dk brn, wht-off wht, mot, vf-micro xln, hd-frm, brit, no fluor, no cut

SS: gry, dk gry, opq, vf-gr txt, mod-w srtd, sb rnd-sub ang, sil/calc cmt, mod-w cons, fri,

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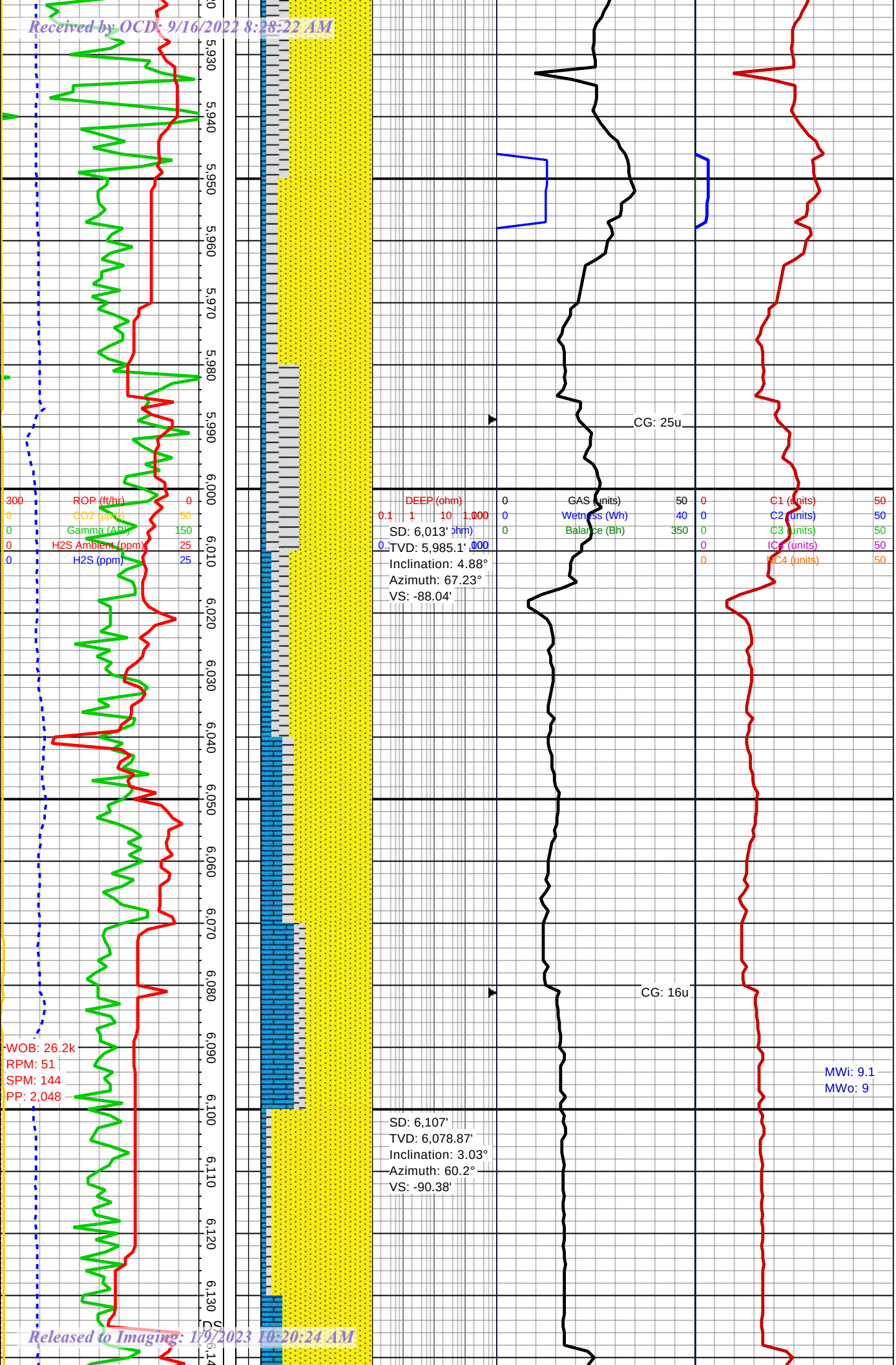

mod-v arg, no fluor, no cut, LS: lt-dk brn, wht-off wht, mot, vf-micro xln, hd-frm, brit, no fluor, no cut, SH: blk, dk gry, dk brn, blky, sb blky, mod frm-sli sft ip, sli aren, arg, no flor no cut

SS: gry, dk gry, opq, vf-gr txt, mod-w srtd, sb rnd-sub ang, sil/calc cmt, mod-w cons, fri, mod-v arg, no fluor, no cut, LS: lt-dk brn, wht-off wht, mot, vf-micro xln, hd-frm, brit, no fluor, no cut, SH: blk, dk gry, dk brn, blky, sb blky, mod frm-sli sft ip, sli aren, arg, no flor no cut

SS: gry, dk gry, opq, vf-gr txt, mod-w srtd, sb rnd-sub ang, sil/calc cmt, mod-w cons, fri, mod-v arg, no fluor, no cut, LS: lt-dk brn, wht-off wht, mot, vf-micro xln, hd-frm, brit, no fluor, no cut, SH: blk, dk gry, dk brn, blky, sb blky, mod frm-sli sft ip, sli aren, arg, no flor no cut

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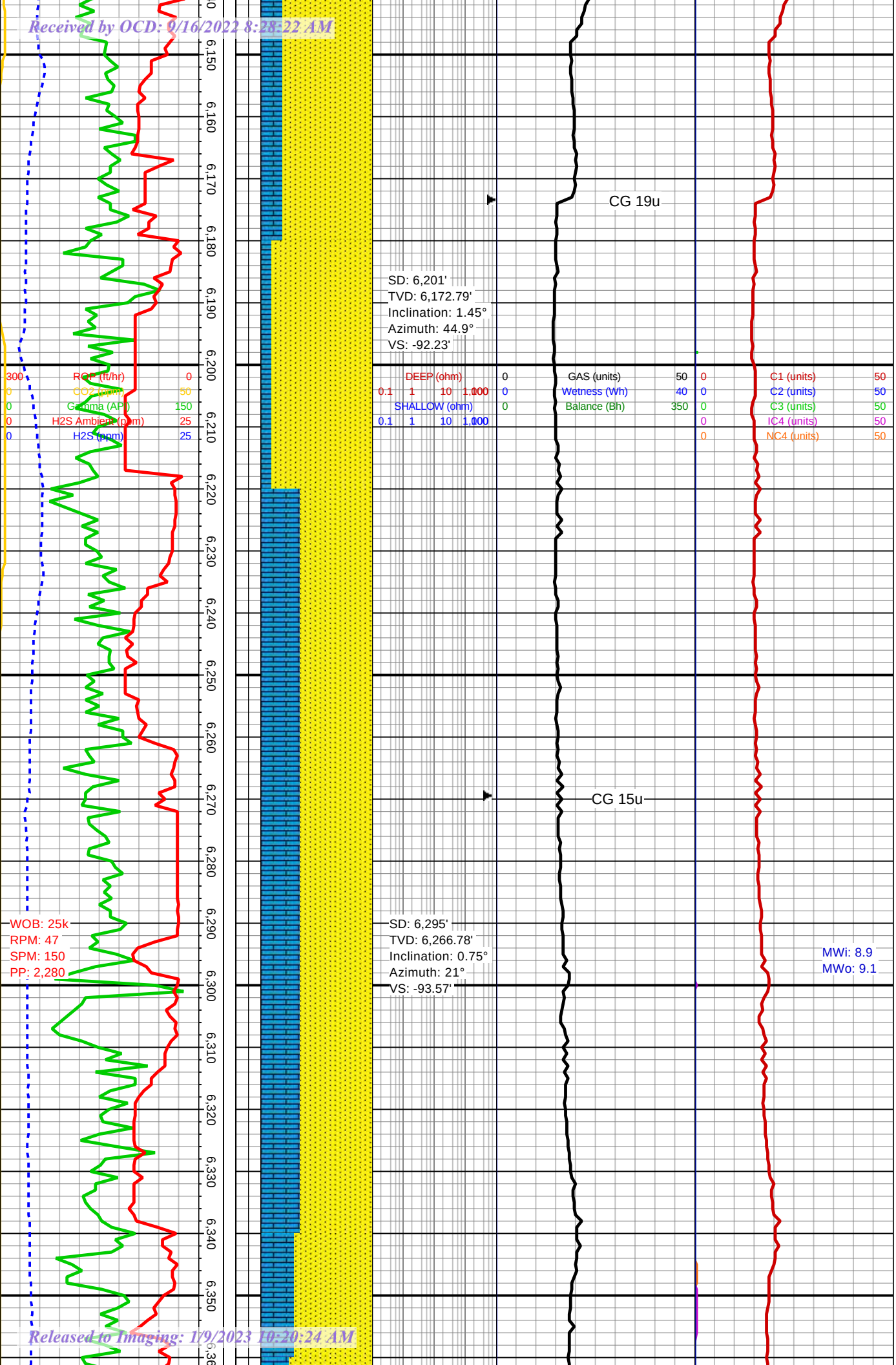

SS: lt-dk gry, clr, opq, vf gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, mod-v arg, embd blk carb spcks, no fluor, no cut, LS: lt brn, brn, wht, off wht, mot, vf-micro xln txt, frm-hd/dns, no fluor, no cut

SS: lt-dk gry, off wht, clr, opq, vf gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, mod-v arg, embd blk carb spcks, no fluor, no cut, LS: lt brn, brn, wht, off wht, mot, vf-micro xln txt, frm-hd/dns, no fluor, no cut

SS: lt-dk gry, off wht, clr, opq, vf gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, mod-v arg, no fluor, no cut, LS: lt brn, brn, wht, off wht, mot, vf-micro xln txt, frm-hd/dns, no fluor, no cut

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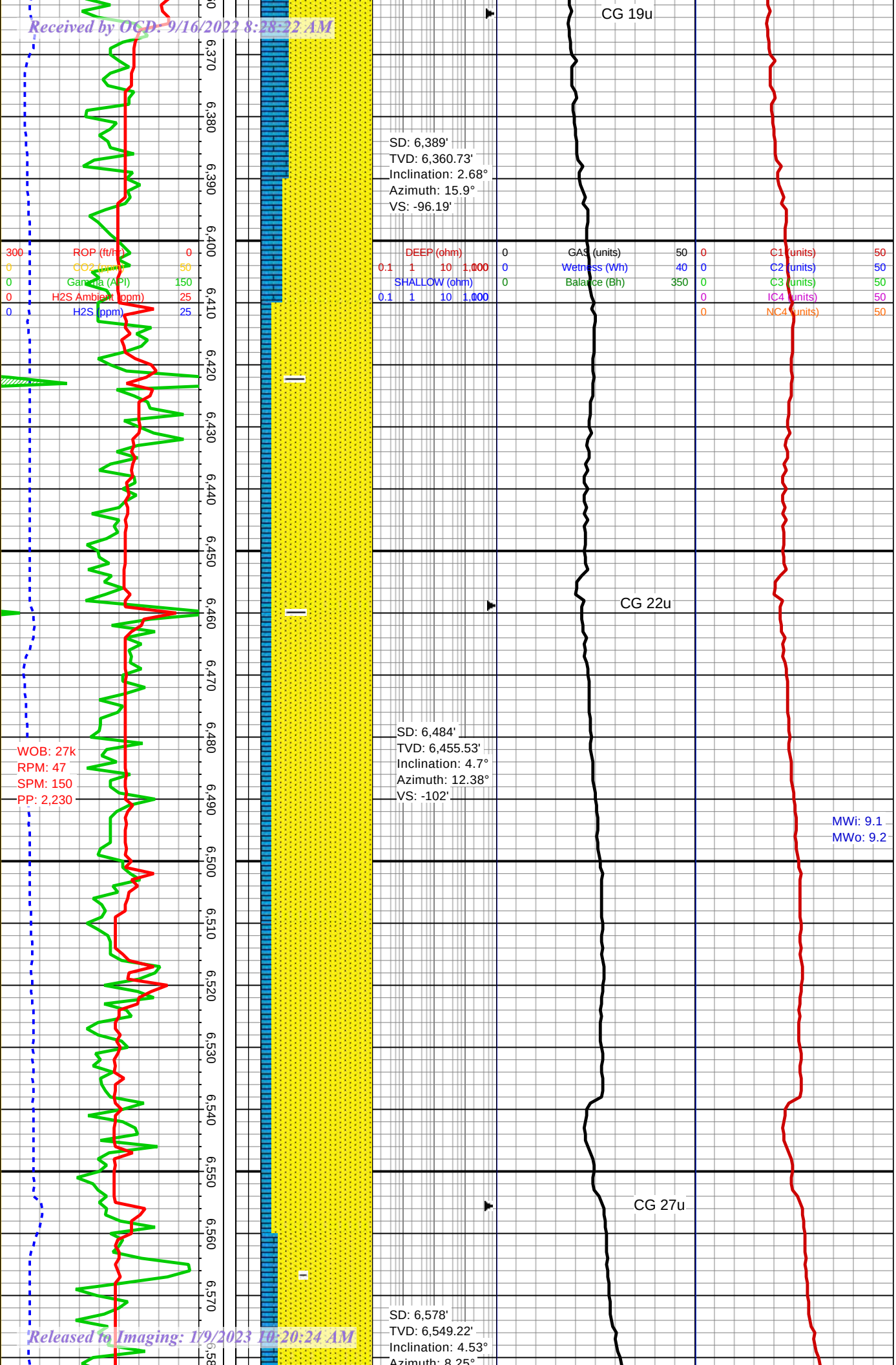

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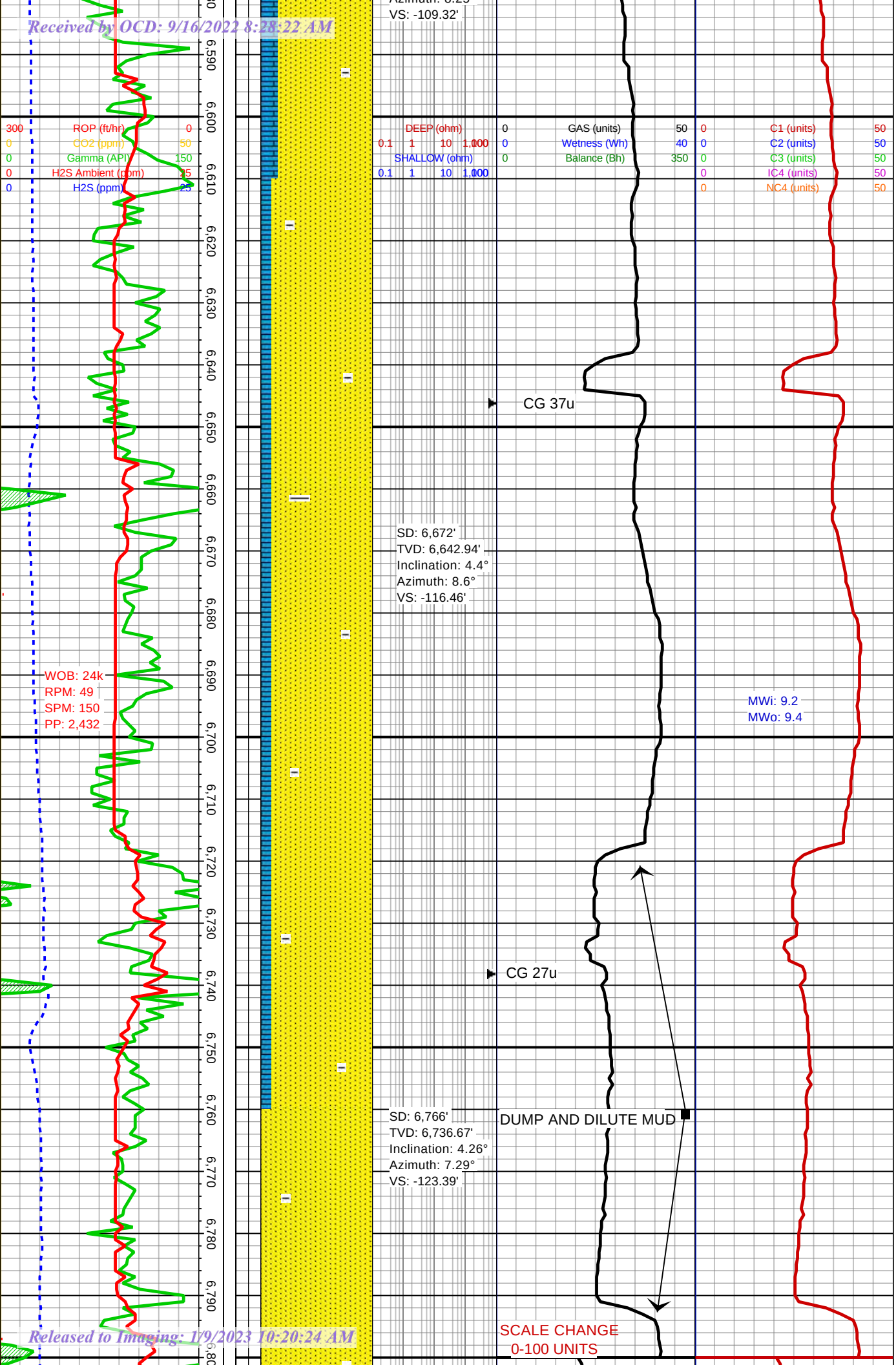

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SS: lt-dk gry, clr, vf gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, mod-incr v arg, no fluor, no cut, LS: lt brn, brn, tn, crm, wht, off wht, mot, vf-micro xln txt, frm-hd/dns, no fluor, no cut

SS: dk-lt gry, clr, opq, vf gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, v arg, embd blk carb spcks, no fluor, no cut, LS: lt brn, brn, wht, off wht, mot, vf-micro xln txt, frm-hd/dns, no fluor, no cut

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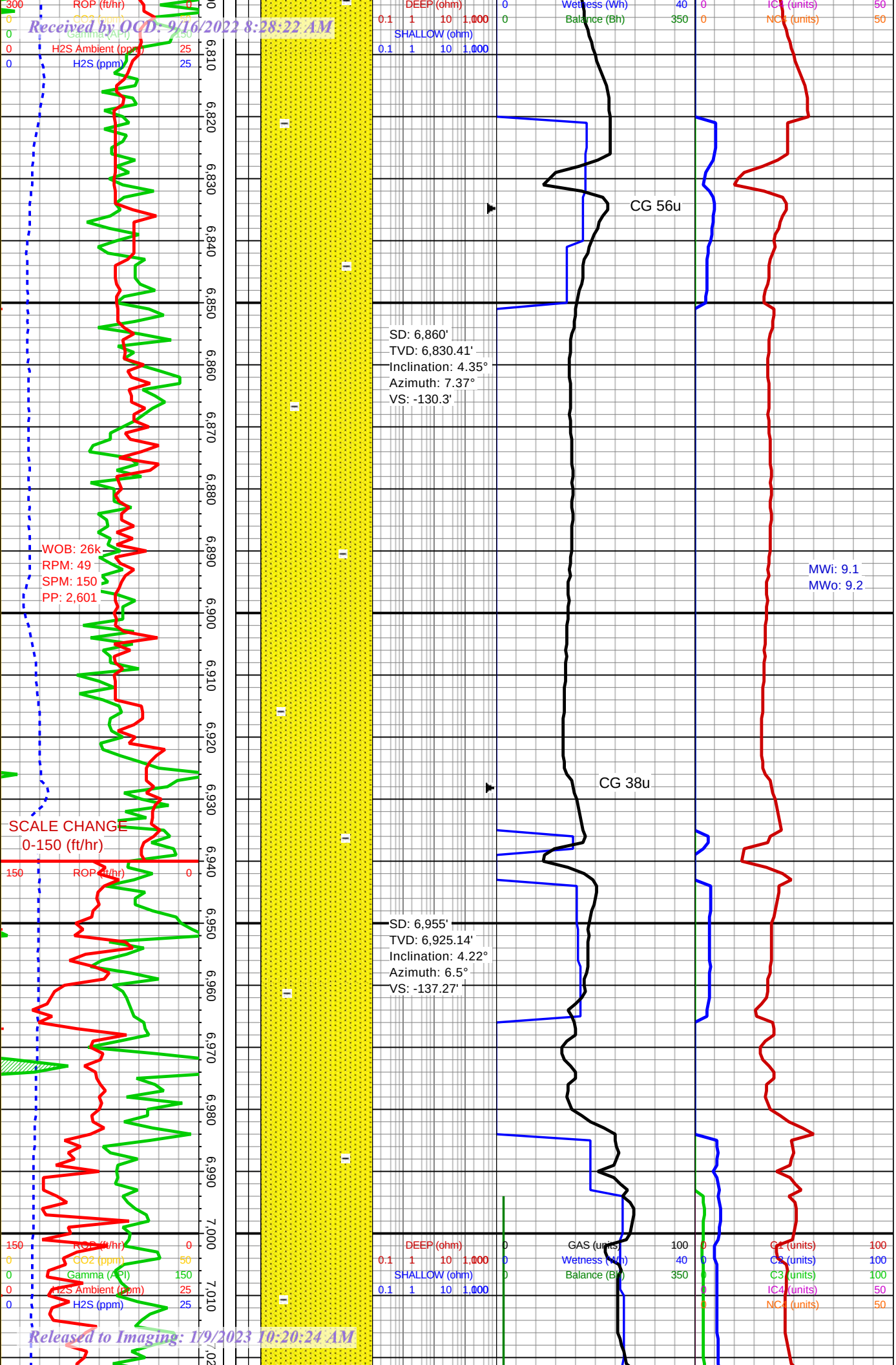

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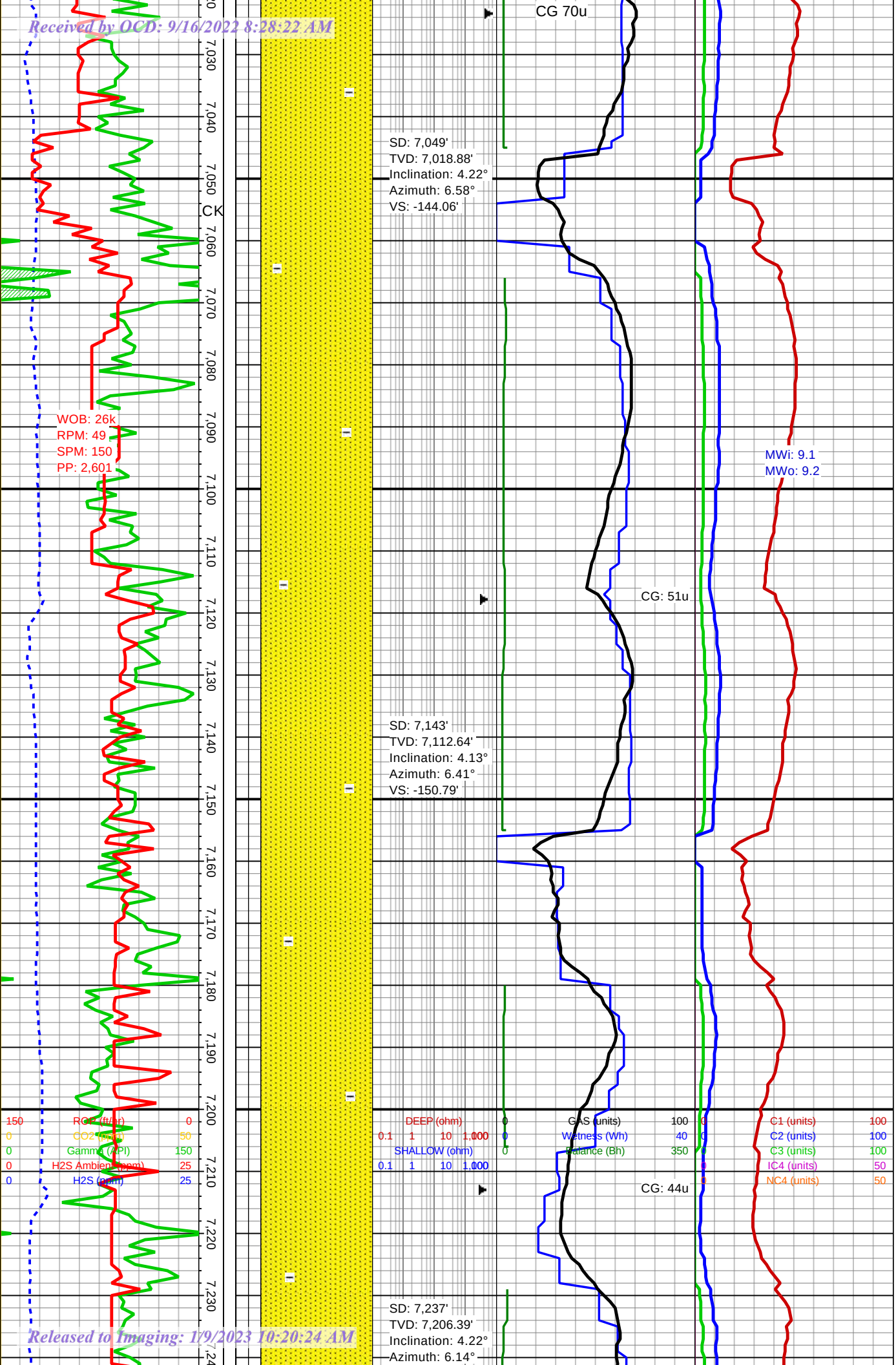

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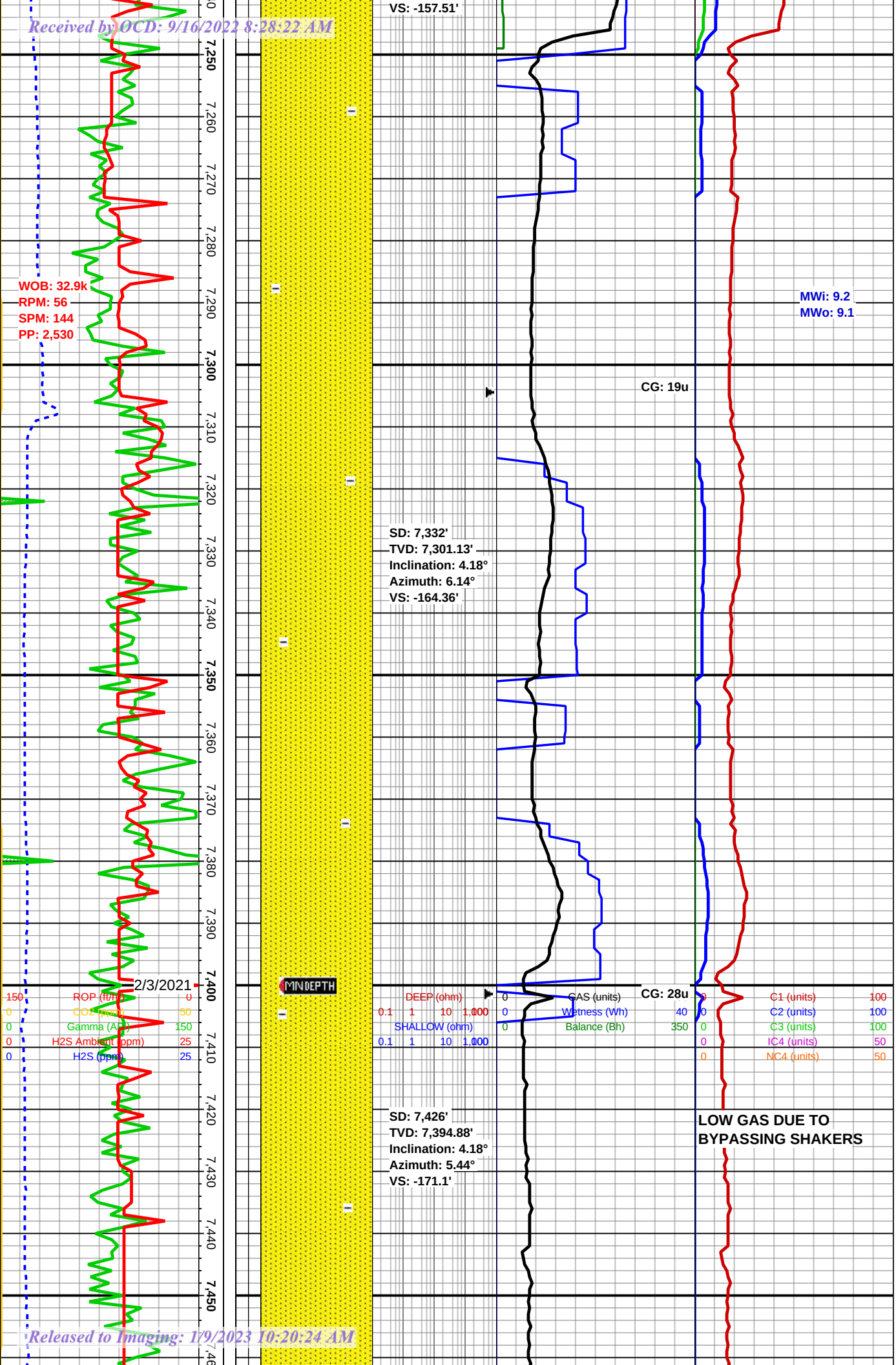

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SS: lt-dk gry, clr, vf gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, mod-incr v arg, no fluor, no cut

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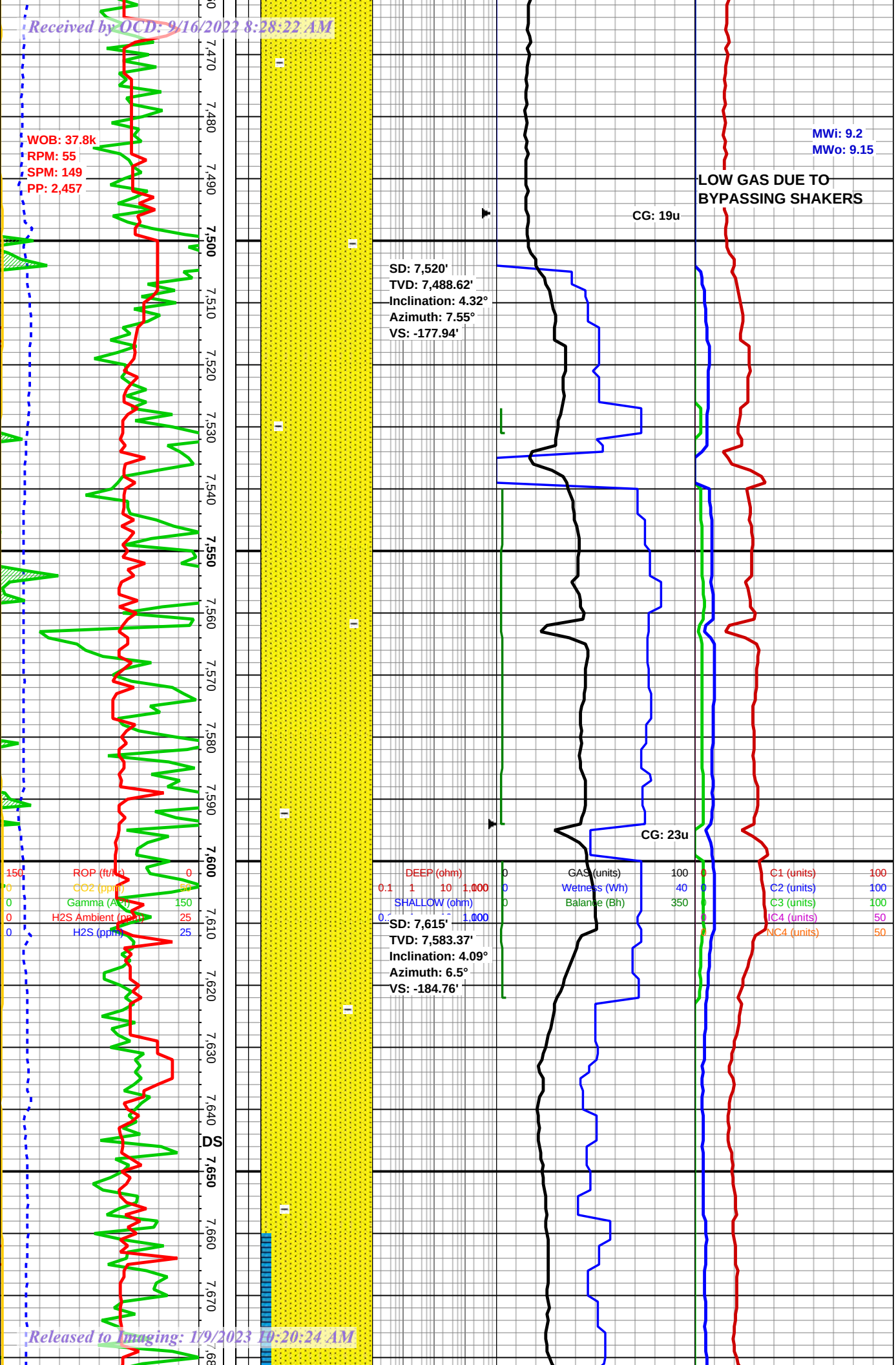

no fluor, no cut

SS: dk-gry, lt gry, clr, opq, vf gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, v arg-mod arg, no fluor, no cut

SS: dk-gry, lt gry, clr, opq, vf gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, v arg-mod arg, no fluor, no cut

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SS: dk-lt gry, clr, opq, vf gr txt, mod-w srtd, rnd-sb ang, sil/calc

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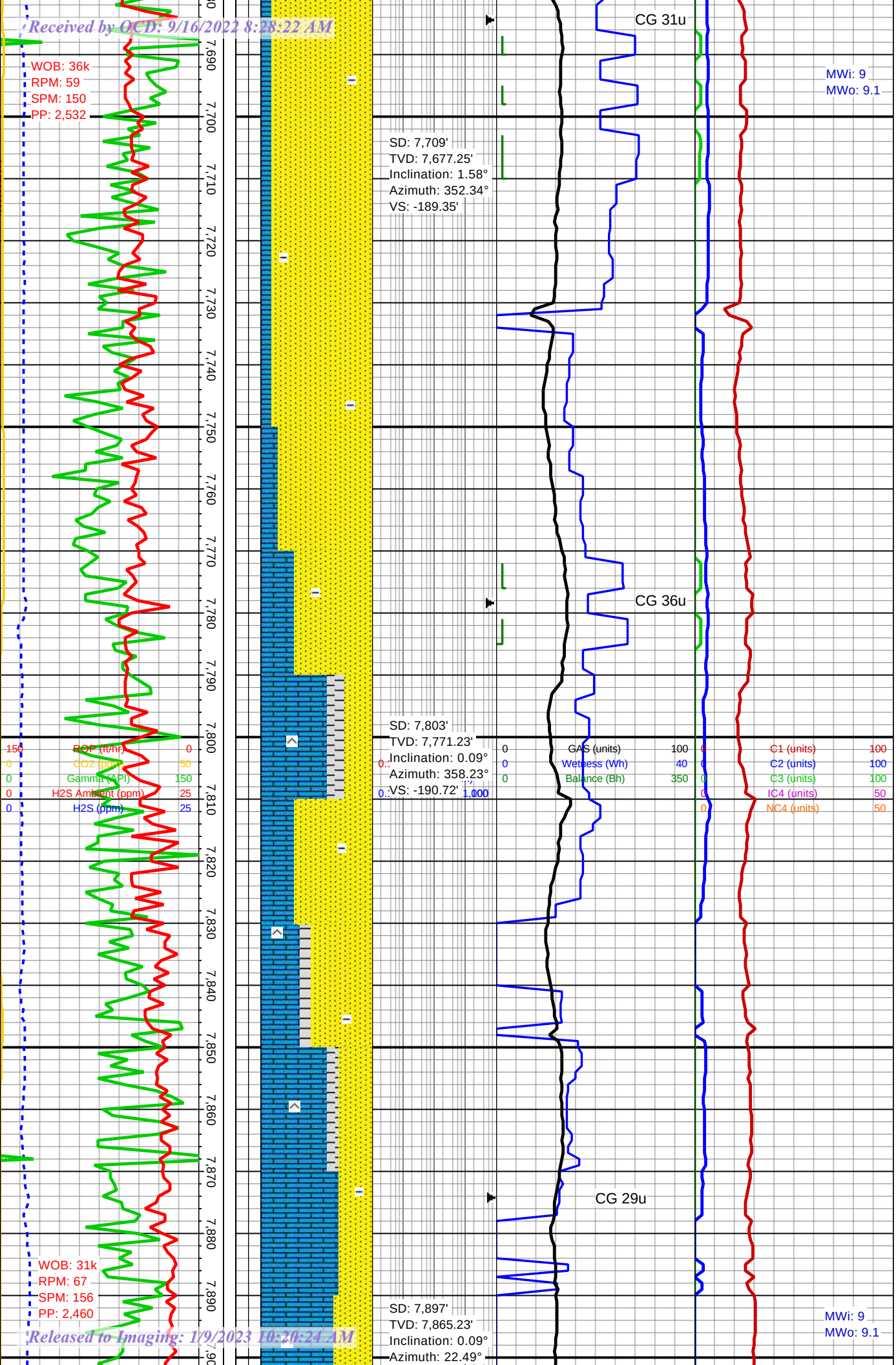

cmt, lft, mod-w cons, v arg, ambd blk carb spcks, no fluor, no cut, LS: lt gry, gry, tn, wht, off wht, mot, vf-micro xln txt, frm-hd/dns, mod arg, no fluor, no cut

SS: dk-gry, lt gry, clr, opq, vf gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, v arg-mod arg, no fluor, no cut, LS: lt gry, gry, tn, wht, off wht, mot, vf-occ med xln txt, sil/sdy ip, frm-hd/dns, mod arg, no fluor, no cut

SS: dk-lt gry, clr, opq, vf-f gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, v arg-occ mod arg, no fluor, no cut, LS: lt gry, gry, tn, wht, off wht, mot, vf-occ med xln txt, frm-hd/dns, sdy ip, mod arg, no fluor, no cut

SS: dk-lt gry, clr, opq, vf-f gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, v arg-occ mod arg, no

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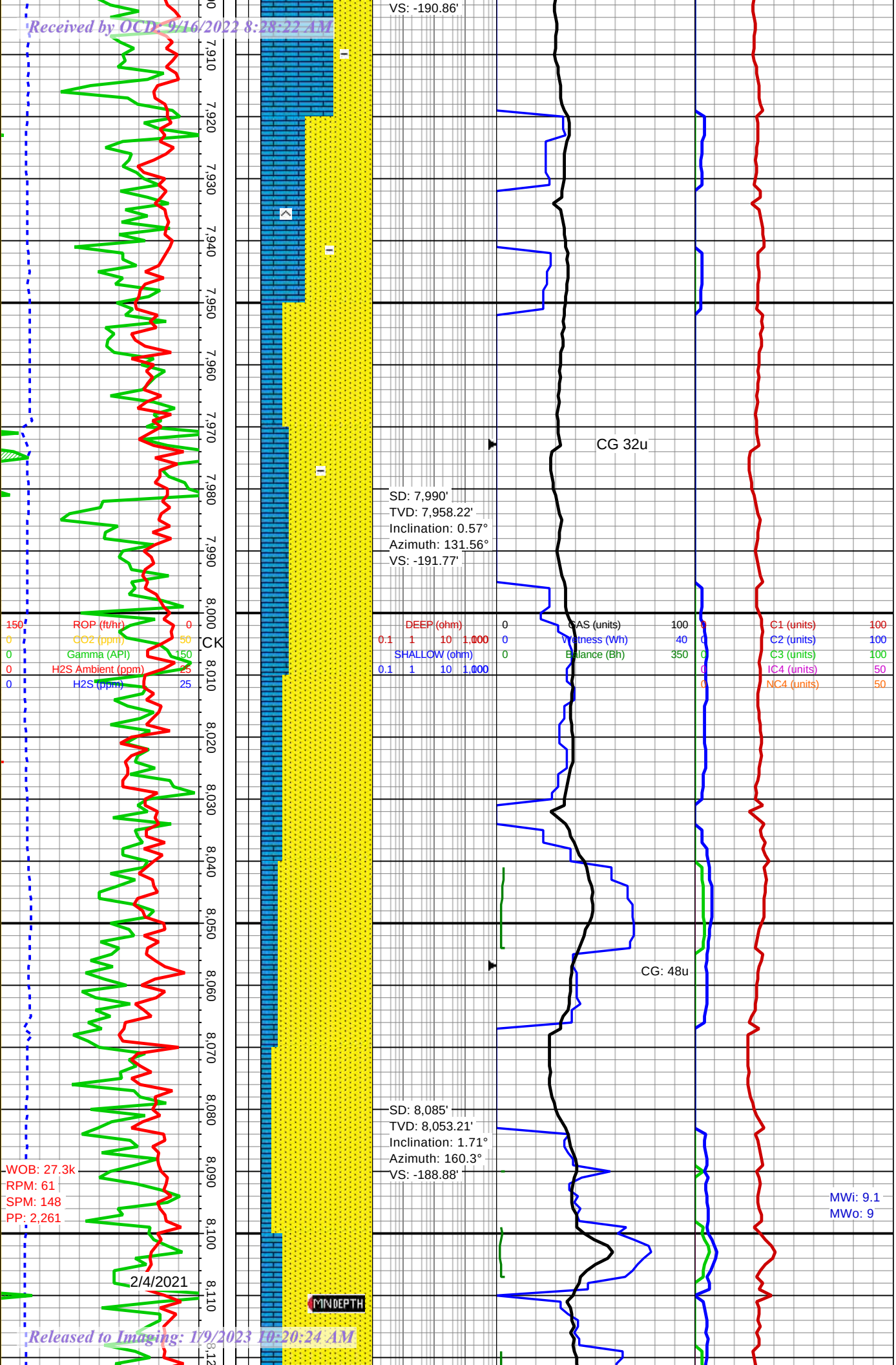

fluor, no cut, LS: lt gry, gry, tn, wht, off wht, mot, vf-occ med xln txt, frm-hd/dns, brit, sdy ip, mod arg, no fluor, no cut

SS: dk-lt gry, clr, opq, vf-f gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, v arg-occ mod arg, no fluor, no cut, LS: lt gry, gry, tn, wht, off wht, mot, vf-occ med xln txt, frm-hd/dns, sdy ip, mod arg, no fluor, no cut

SS: dk-lt gry, clr, opq, vf-f gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, v arg-occ mod arg, no fluor, no cut, LS: lt gry, gry, tn, wht, off wht, mot, vf-occ med xln txt, frm-hd/dns, brit, sdy ip, mod arg, no fluor, no cut

SS: dk-lt gry, clr, opq, vf-f gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, v

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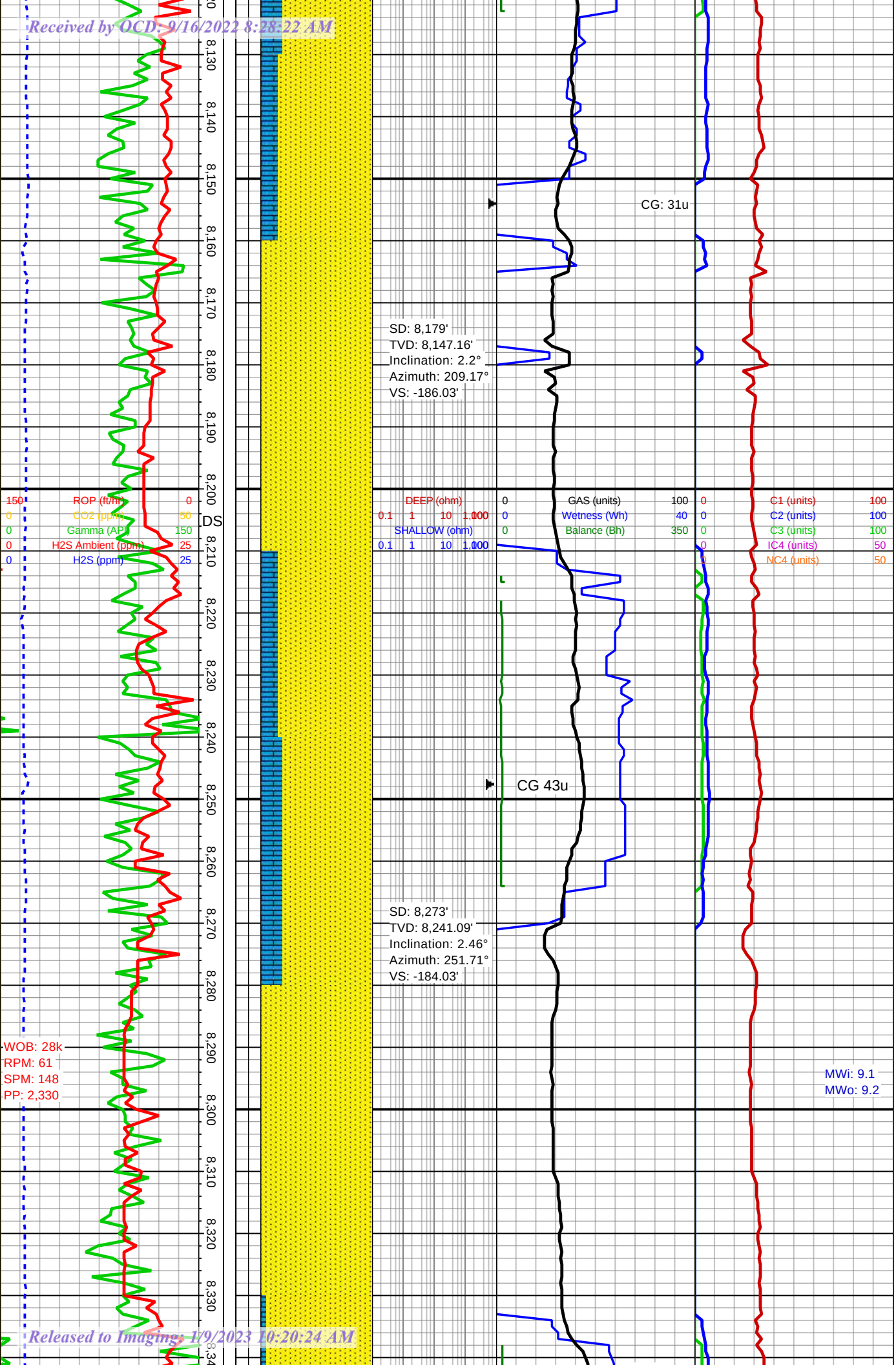

arg-occ mod arg, no fluor, no cut, LS: lt gry, gry, tn, wht, off wht, mot, vf-occ med xln txt, frm-hd/dns, sdy ip, mod arg, no fluor, no cut

SS: med- lt gry, brn, drk brn, pred vfn- fn gr, mod srtd, sb ang - sb rnd, sme sli jgged, abdnt calc cmnt, mod - frly cons, no flor, no cut

SS: dk-lt gry, clr, vf-f gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, v arg-occ mod arg, no fluor, no cut, LS: lt gry, gry, tn, wht, off wht, mot, vf xln txt, frm-mod frm, mod arg, no fluor, no cut, abdt free wht/gry clys

SS: dk-lt gry, clr, opq, vf-f gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, v arg-occ mod arg, no fluor, no cut, LS: lt gry, gry, tn, wht, off wht, mot, vf xln txt, chlky, frm-sft occ mod hd, sl

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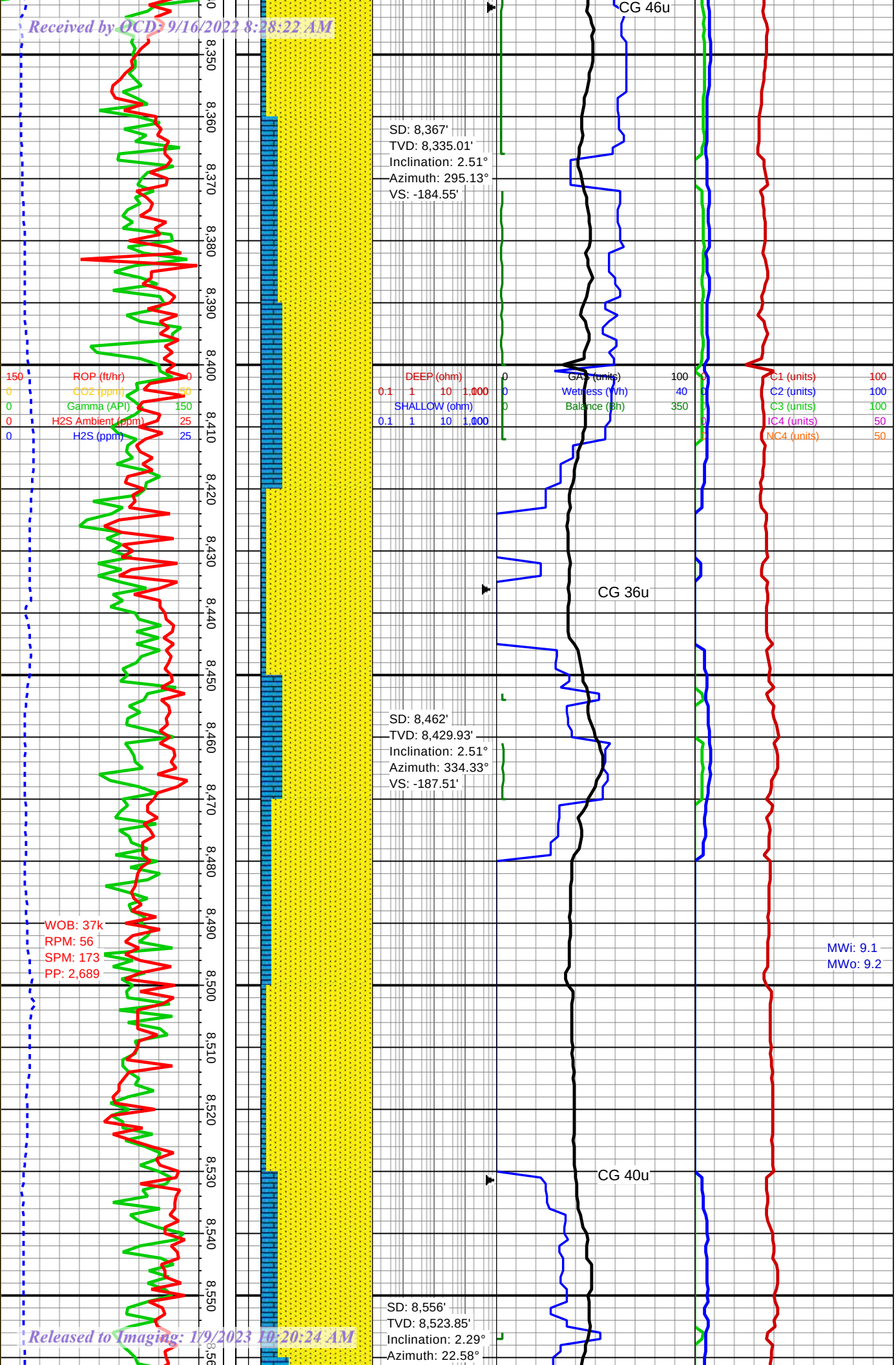

abdt free wht/gry clys

SS: dk-lt gry, clr, opq, vf gr txt, mod-w srtd, rnd-sb rnd, sil/calc/cly cmt, fri, mod-lsly cons, mod-v arg, no fluor, no cut, LS: lt gry, gry, tn, wht, off wht, mot, vf xln txt, chlky, frm-sft occ mod hd, sl arg, no fluor, no cut, abdt free wht/gry clays

SS: dk-lt gry, clr, opq, vf-f gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, v arg-occ mod arg, no fluor, no cut, LS: lt gry, gry, tn, wht, off wht, mot, vf xln txt, chlky, frm-sft occ mod hd, sl arg, no fluor, no cut, abdt free wht/gry clys

SS: dk-lt gry, clr, opq, vf gr txt, mod srtd, rnd-sb rnd, sil/calc/cly cmt, fri, mod-lsly cons, mod arg, no fluor, no cut, LS: lt gry, gry, tn, wht, off wht, mot, vf xln txt, chlky, frm-sft occ mod hd, sl arg, no fluor, no cut, abdt free wht/gry clays

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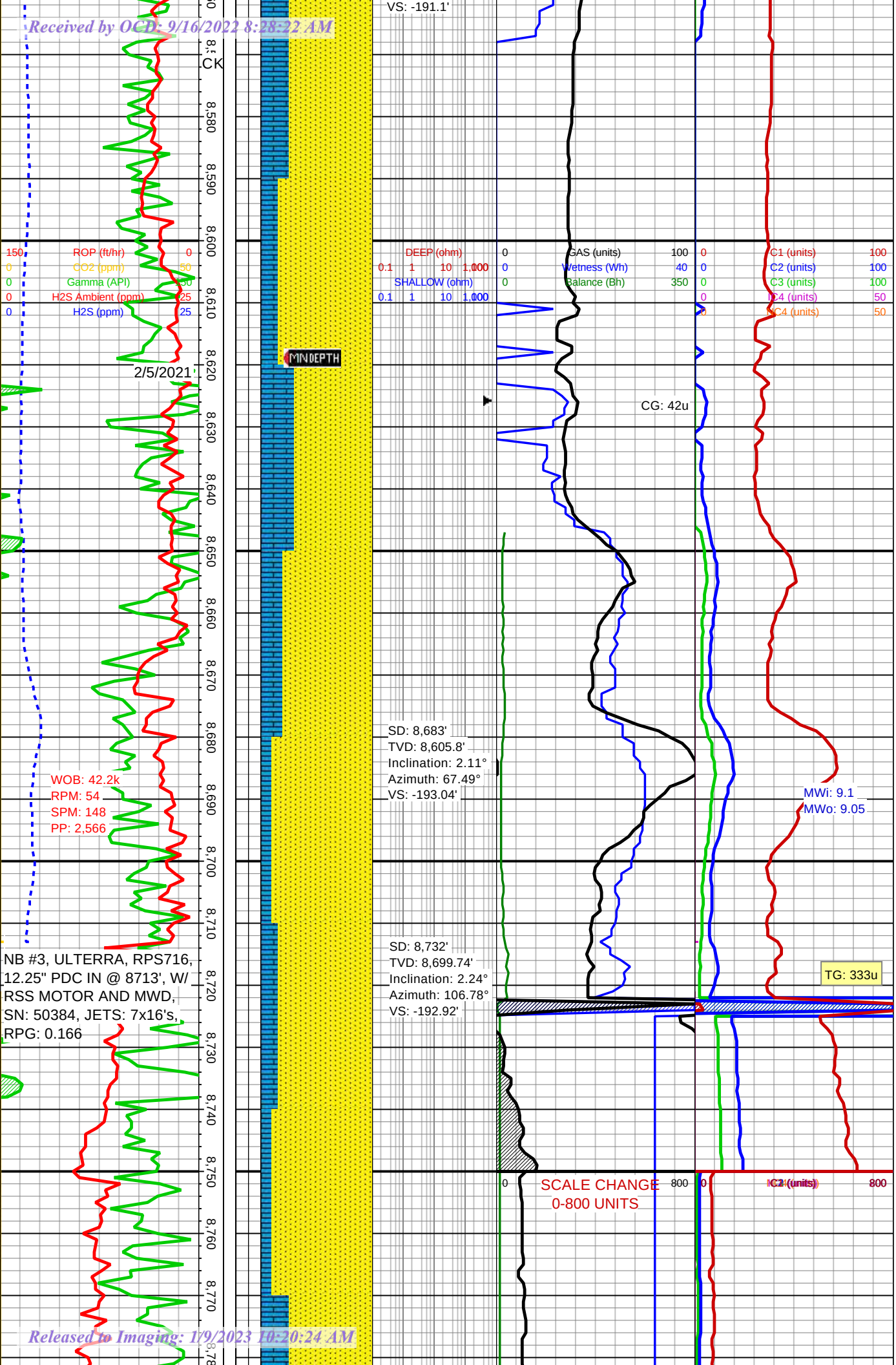

SS: dk-lt gry, clr, opq, vf-f gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, v arg-occ mod arg, no fluor, no cut, LS: lt gry, gry, tn, wht, off wht, mot, vf-occ med xln txt, frm-hd/dns, brit, sdy ip, mod arg, no fluor, no cut

SS: dk-lt gry, clr, opq, vf-f gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, v arg-occ mod arg, no fluor, no cut, LS: lt gry, gry, tn, wht, off wht, mot, vf-occ med xln txt, frm-hd/dns, brit, sdy ip, mod arg, no fluor, no cut

SS: wht, dk-lt gry, clr, opq, vf-f gr txt, mod-w srtd, rnd-sb ang, sil/calc cmt, fri, mod-w cons, v arg-occ mod arg, no fluor, no cut, LS: lt gry, gry, tn, wht, off wht, mot, vf-occ med xln txt, frm-hd/dns, brit, sdy ip, mod arg, no fluor, no cut

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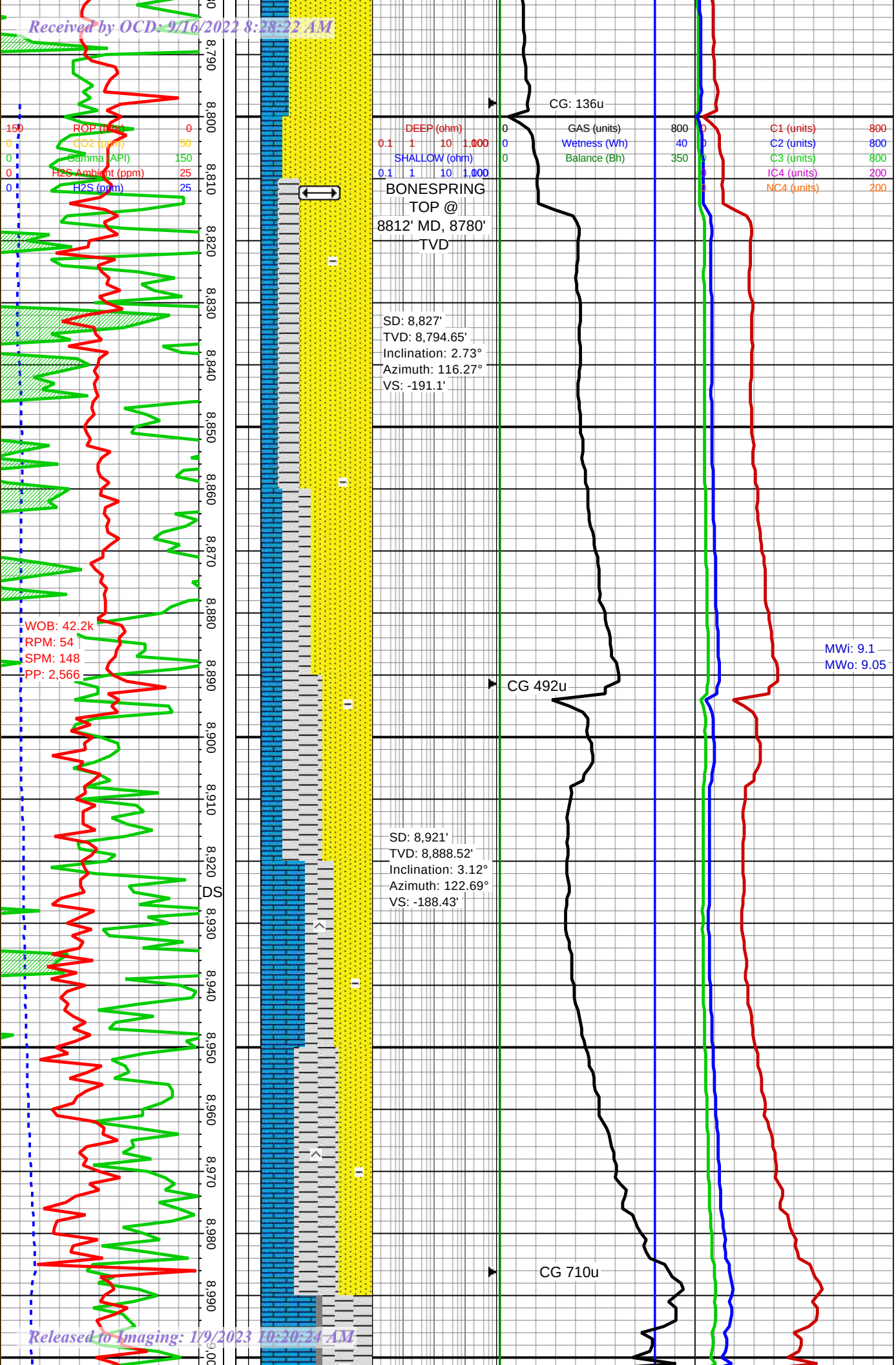

SS: gry, dk gry, opq, vf-gr txt, mod-w srtd, sb rnd-sub ang, sil/calc cmt, mod-w cons, fri, mod-v arg, no fluor, no cut, LS: lt-dk brn, wht-off wht, mot, vf-micro xln, hd-frm, brit, no fluor, no cut, SH: blk, dk gry, dk brn, blky, sb blky, mod frm-sli sft ip, sli aren, arg, no flor no cut

SS: gry, dk gry, opq, vf-gr txt, mod-w srtd, sb rnd-sub ang, sil/calc cmt, mod-w cons, fri, mod-v arg, no fluor, no cut, LS: lt-dk brn, wht-off wht, mot, vf-micro xln, hd-frm, brit, no fluor, no cut, SH: blk, dk gry, dk brn, blky, sb blky, mod frm-sli sft ip, sli aren, arg, no flor no cut

LS: wht, off wht, lt gry, gry, crm, tn, mot, vf-micro xln txt, frm-mod frm, brit, mod arg, no fluor, no cut, SH: dk gry, blk, gry, blky-sb blky, rthy rgh txt, frm-hd, brit, slty-sil ip, tr pyr flcks, mica, no cut, SS: gry, lt gry, wht, off wht, clr, opq, sme trans, vf gr txt, mod-w srtd, rnd-sb rnd,

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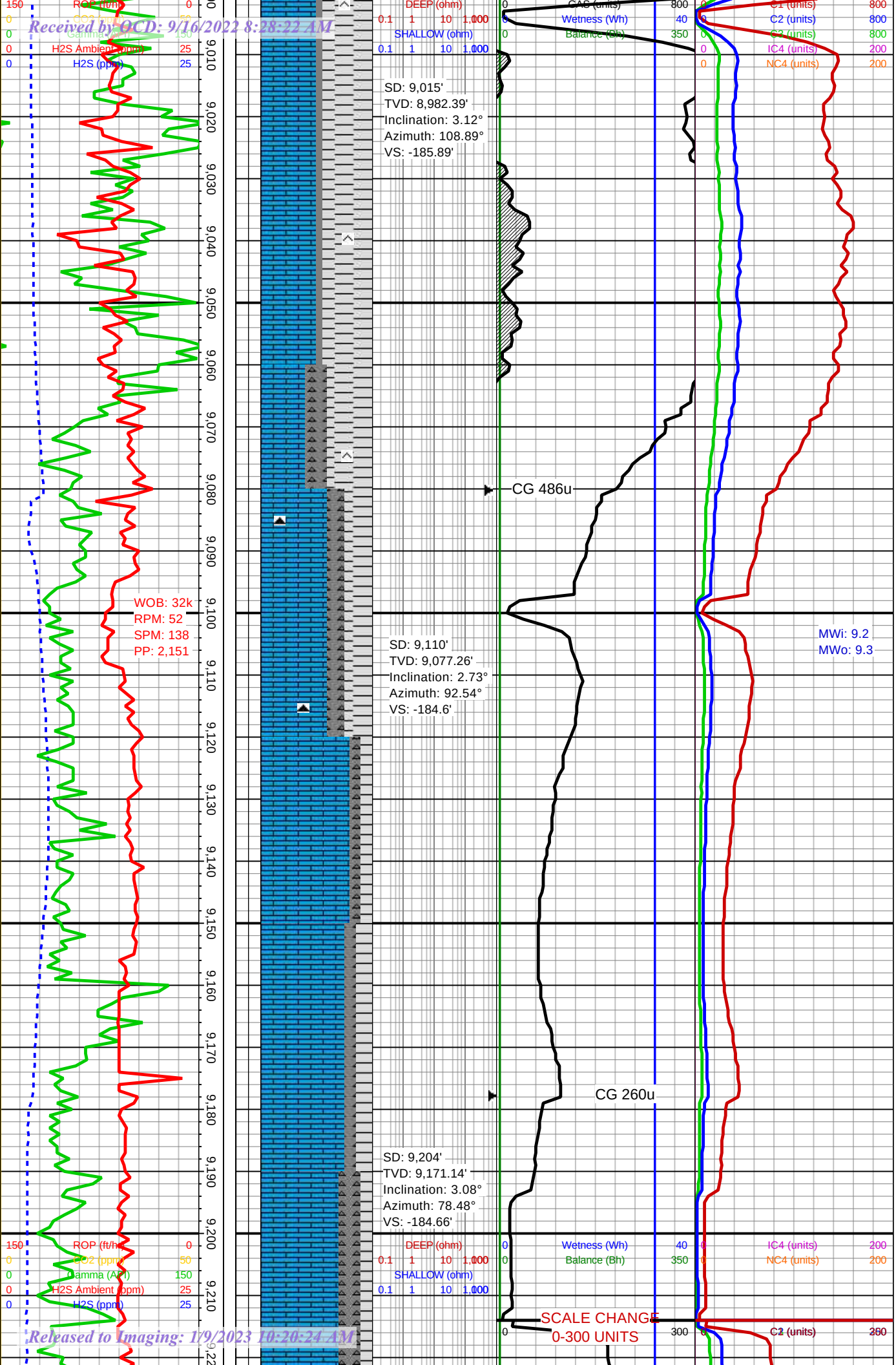

sil/calc/cly cmt, mod-occ lsly cons, mod-v arg, tr pyr flcks, no fluor, no cut, CHRT: blk, dk brn, conch frac, ang, pin point calc por

LS: wht, off wht, lt gry, gry, crm, tn, mot, vf-micro xln txt, frm-mod frm, brit, mod arg, sme embd blk chrt, no fluor, no cut, SH: dk gry, blk, gry, blky-sb blky, rthy rgh txt, frm-hd, brit, slty-sil ip, tr pyr flcks, mica, no cut, CHRT: blk, dk brn, conch frac, ang, lmy fros, pin point calc por

LS: wht, off wht, lt gry, gry, crm, tn, mot, vf-tr micro xln txt, frm-mod frm, chlky, brit, mod arg, aren, sme embd blk chrt, no fluor, no cut, SH: dk gry, blk, gry, blky-sb blky, rthy rgh txt, frm-hd, brit, slty-sil ip, tr pyr flcks, mica, no cut, CHRT: blk, dk brn, conch frac, ang, lmy fros, pin point calc por

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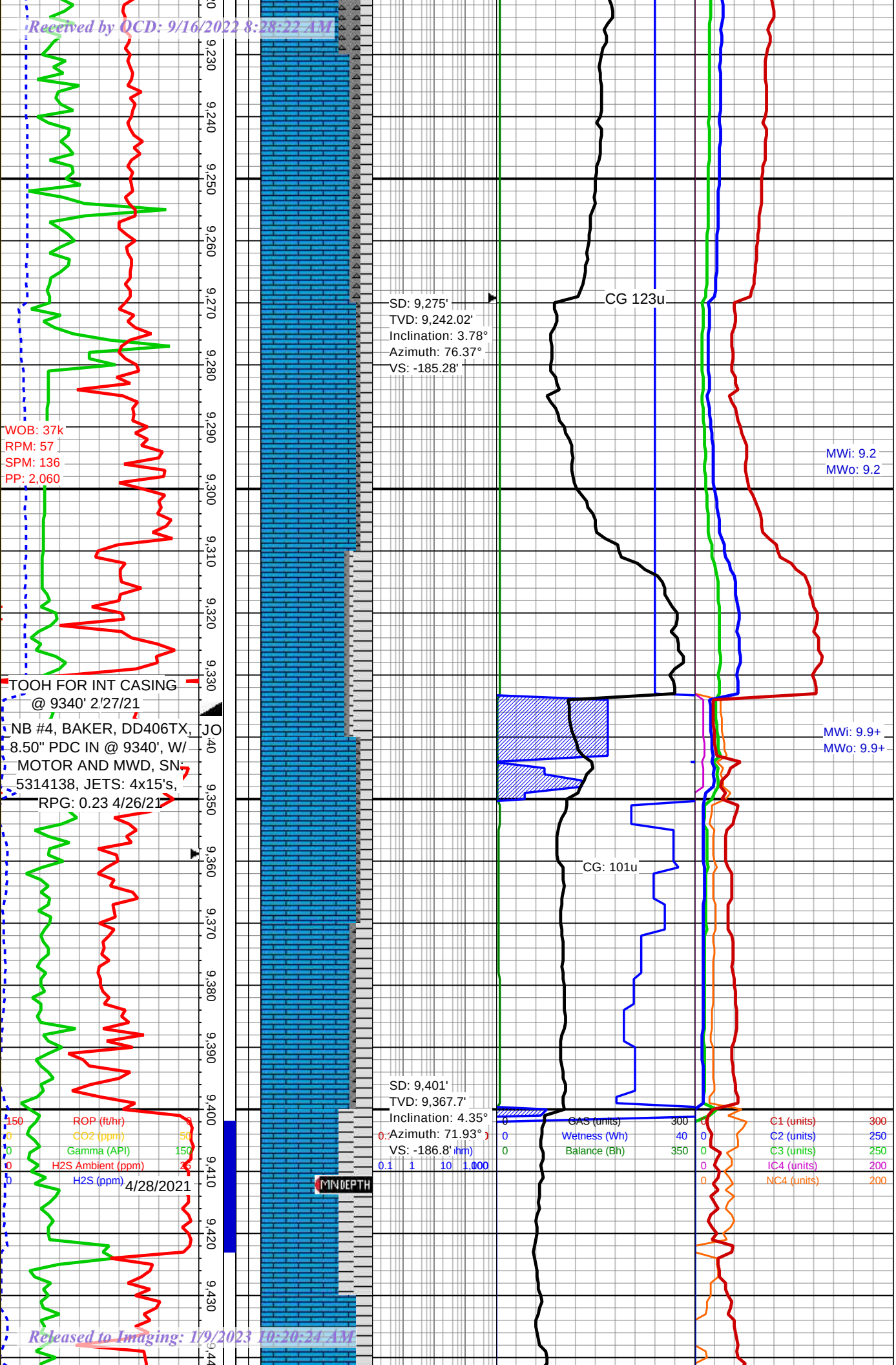

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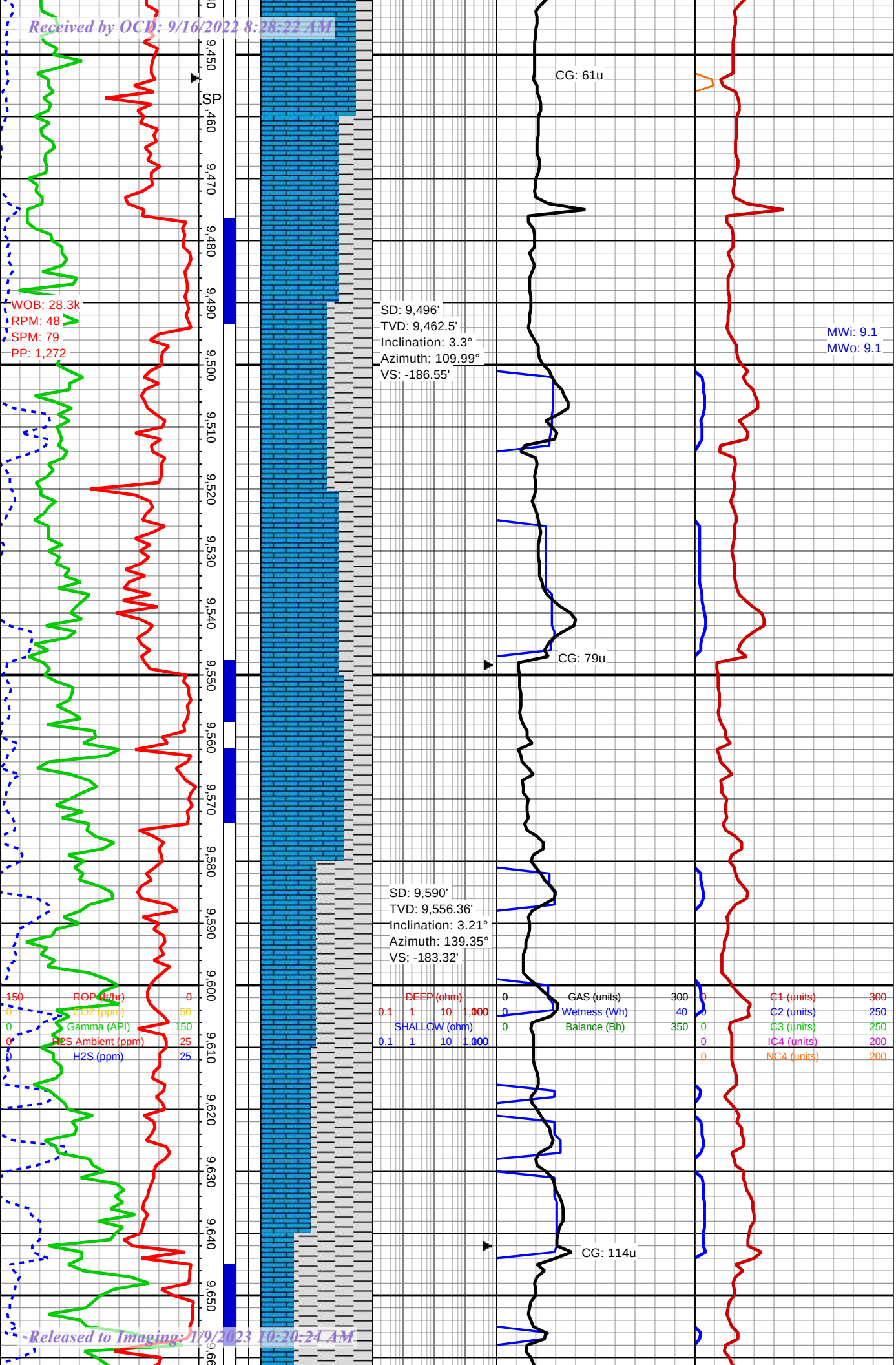

SH: dk gry-v dk gry, v dk brn, mod frm-sl hrd, blky-sb blky, com intbdd LS thru, dull rthy txt, sl-mod calc ip, sl carb, no vis flor, no cut; LS:lt gry-gry, sme occ dk gryt grs scatt thru, mod frm- hrd ip, vf xln-f xln, chky txt, intbdd SH frags thru, no vis flor, no cut.

LS:lt gry-gry, sme occ dk gryt grs scatt thru, mod frm- hrd ip, vf xln-f xln, chky txt, intbdd SH frags thru, no vis flor, no cut;
SH: dk gry-v dk gry, v dk brn, mod frm-sl hrd, blky-sb blky, com intbdd LS thru, dull rthy txt, sl-mod calc ip, sl carb, no vis flor, no cut

SH: v dk brn, v dk gry-gry, blk, mod frm, occ hrd-v hrd, pred blky thru, brit, com intbdd LS thru, dull rthy txt, sli-mod calc ip no vis flor, no cut;
LS: gry-lt gry, sme off wht-dk tn, hd-v hd, sme sli-mod frm, f xln-v f xln, chky, sli-mod dolc ip, v dns, sme dol incl thru, calc, carb, no vis flor, no cut.

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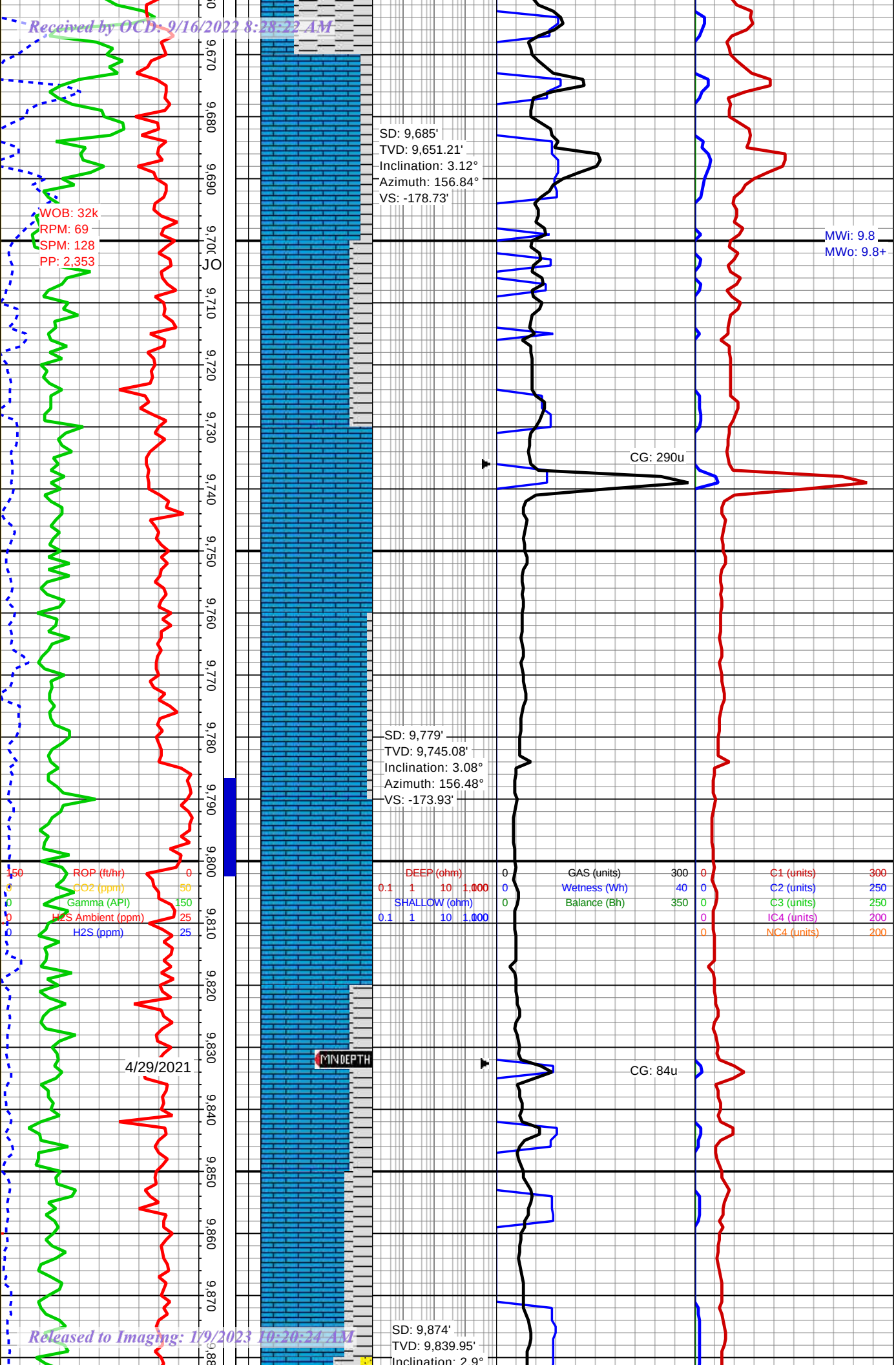

LS: wht-off wht, tn-lt tan, gry-lt gry, hd-v hd, sme sli-mod frm, f xln-v f xln, chky, sli-mod dolc ip, v dns, sme dol incl thru, calc, carb, no vis flor, no cut; SH: v dk brn, v dk gry-gry, blk, mod frm, occ hrd-v hrd, pred blky thru, brit, com intbdd LS thru, dull rthy txt, sli-mod calc ip no vis flor, no cut

LS: wht-off wht, tn-lt tan, gry-lt gry, hd-v hd, sme sli-mod frm, f xln-v f xln, chky, sli-mod dolc ip, v dns, sme dol incl thru, calc, carb, dl yl/gld flor, sl tr dl yl ct

LS: wht-off wht, tn-lt tan, gry-lt gry, hd-v hd, sme sli-mod frm, f xln-v f xln, chky, sli-mod dolc ip, v dns, sme dol incl thru, calc, carb, no vis flor, no cut; SH: v dk brn, v dk gry-gry, blk, mod frm, occ hrd-v hrd, pred blky thru, brit, com intbdd LS thru, dull rthy txt, sli-mod calc ip no vis flor, no cut

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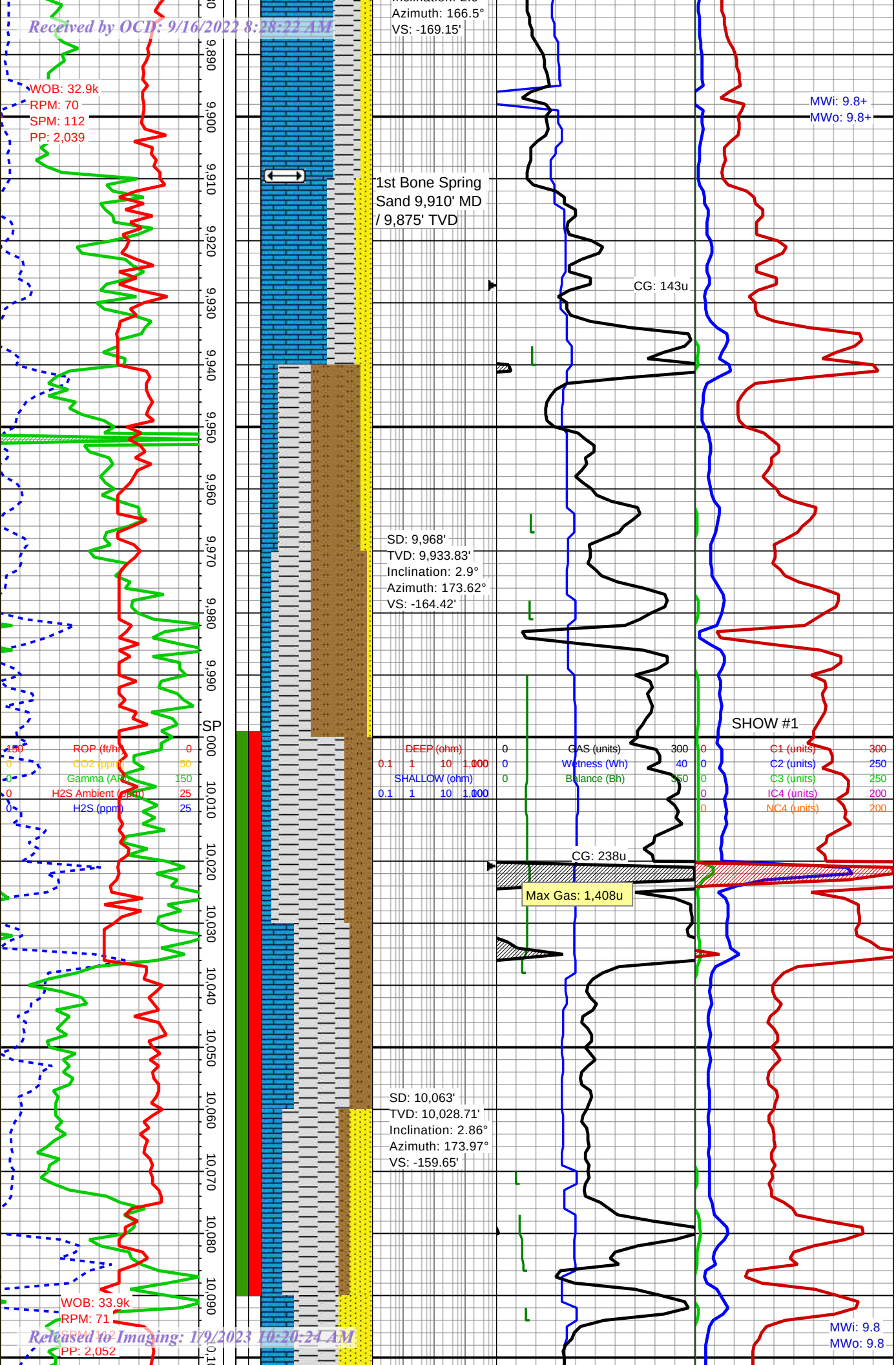
LS: wht-off wht, tn-lt tan, gry-lt gry, hd-v hd,



sme sli-mod frm, f xln-v f sh, chky, sli-mod dolc ip, v dns, sme dol incl thru, calc, carb, no vis flor, no cut; SH: v dk brn, v dk gry-gry, blk, mod frm, occ hrd-v hrd, pred blky thru, brit, com intbdd LS thru, dull rthy txt, sli-mod calc ip no vis flor, no cut

SLT: dk gry, med gry, chrchl, v/f grn, abndt arg incls, occ aren incls, tr v/fy pyrc, no vis fluor or wet cut; SS: med-dk gy, vf-f gr txt, sb ang-sb rnd, mod srtd, lsly-mod cons, occ fri, calc cmt; SH: blk, v dk gy, sb blky-blky, mod frm, rthy, slty txt, dull lstr, occ mic incl, occ ind;

SH: v dk gry-gry, chrcl, v dk brn, blk, mod frm-frm, sme sft ip, occ hd, brit, pred blky,com intbdd SLTST thru, sli-mod arg ip, sli carb ip, golden-amb flor, slow stmg milky cut, yel res rng;
SLTST, dk gry, dk brn, sli-mod frm, sft, ip, com intbdd SH inclus, rthy txt, mod arg thru, lse cons thru,no vis flor no cut.

SS: gry-lt gry, off wht-wht, lt tan, pred

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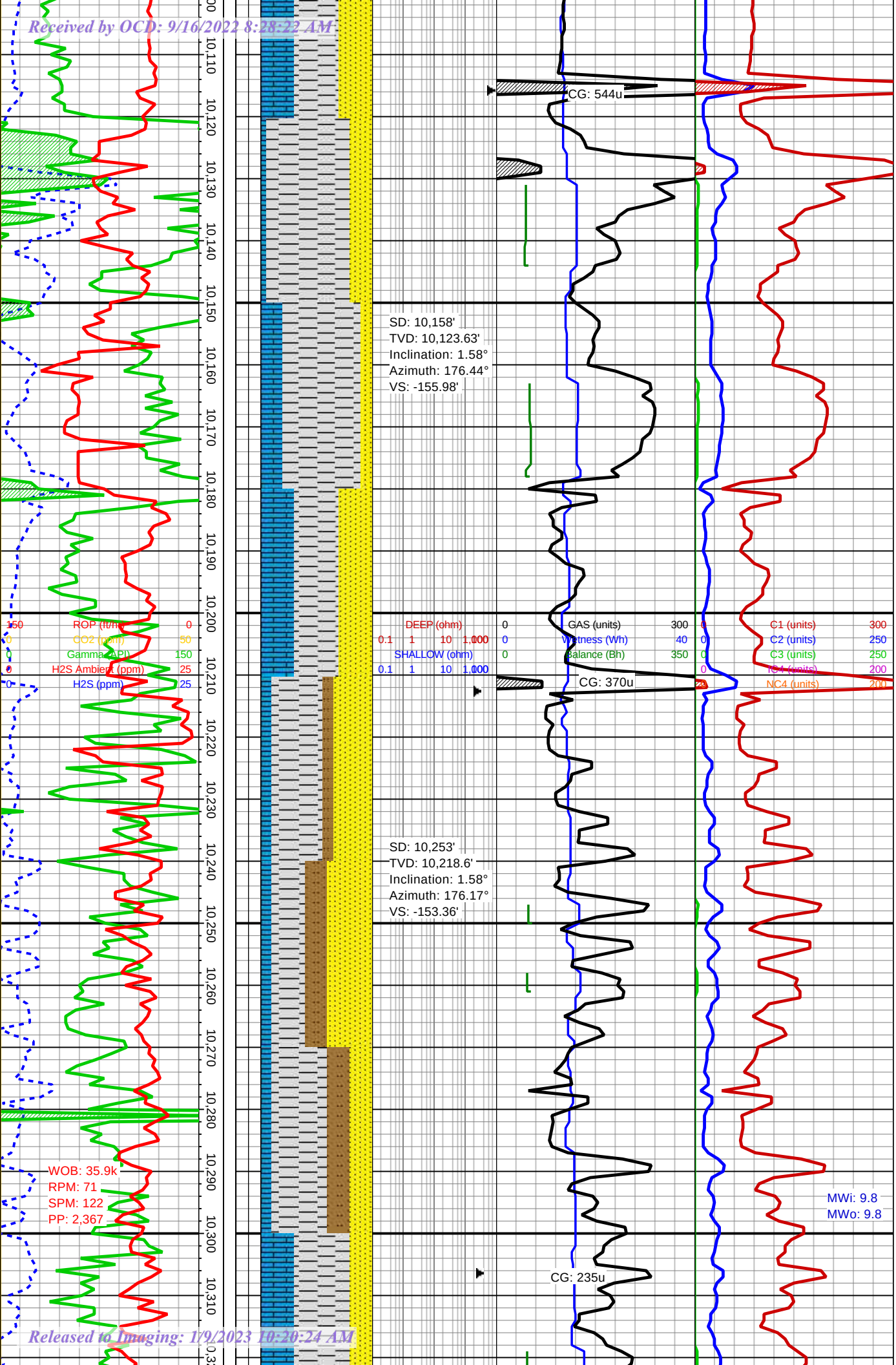

lsly cons, fri, vf gr, ang-sb rnd, mos-sub txt, w srtd thru, calc, arg ip, v aren, no vis cut, no flor;
LS: dk gru-gry, occ lt gry, mod sft-sft, sme occ frm ip, vf xln- mic xln, dull, chky txt, com intbdd SS gr thru, no vis flor, no cut

SH: dk brn-brn, blk, dk gry-v dk gry, sl-mod hd, sme frm-v frm, blky-sb blky, brit, rthy txt, sme sl wxy ip, occly dull, mod calc thru, com intbd LS incl thru, mod carb ip, no vis flor, no cut;
LS: gry-lt gry, sme dk gry, occly off wh thru, mod frm-occly hd ip, mic xln-vf xln, chky ip, v calc, sme intbd SH, no vis flor, no cut

SS: med gy, med cons, vf gr txt, sb ang-sb rnd, mod srtd, calc cmt, fri;
SLTST:med gy, occ dk gry, v f grnd, sb ang-sb rnd, calc mtx, pred arg, v lse cons;
LS: gry-tan mot, f-med xln txt, frm-mod frm; no flor, no cut

LS: med gry, lt gry, off wht, mot ip, v fn-fn xln, mod dns-dns, frm-v frm, occ sft-brit, pred v slty, occ aren incls, tr v

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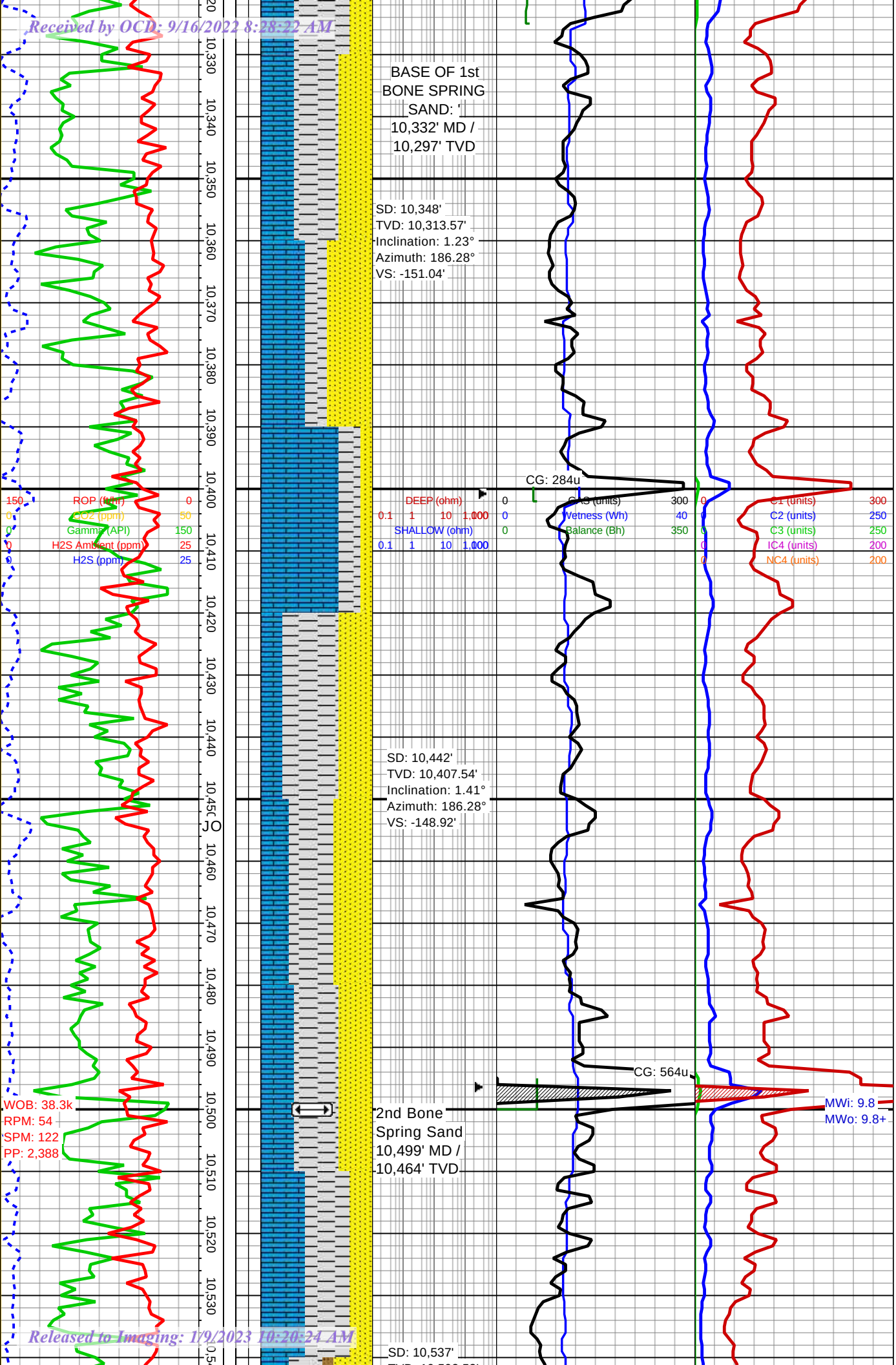

fy pyrc, no vis flor, no cut;

SH: blk, v dk gry, chrhcl, blky-sblky, mod frm-v frm, occ hrd ind, rthy smth-sl rgh txt, dll lstr, slty ip, no vis cut

SS: off wht, gry-lt gry, tr med gry, vf-f grn, sb ang-sb rnd, mod-lsly cons, ply srtd, cal cmt, clay mtx;
LS: gry, lt gry, wht-off wht, vf-micxln, mod dns, sft-frm, brit ip, occly v slty, tr arg incl,
SH: blk, v dk gry, blky-sb blky, mod frm, occ hd, sme brit, predy slty txt, no vis flor, no cut

SS: off wht, gry-lt gry, tr med gry, vf-f grn, sb ang-sb rnd, mod-lsly cons, ply srtd, cal cmt, clay mtx;
LS: gry, lt gry, wht-off wht, vf-micxln, mod dns, sft-frm, brit ip, occly v slty, tr arg incl,
SH: blk, v dk gry, blky-sb blky, mod frm, occ hd, sme brit, predy slty txt, no vis flor, no cut

SS: med gy, med cons, vf gr txt, sb ang-sb rnd, mod srtd,

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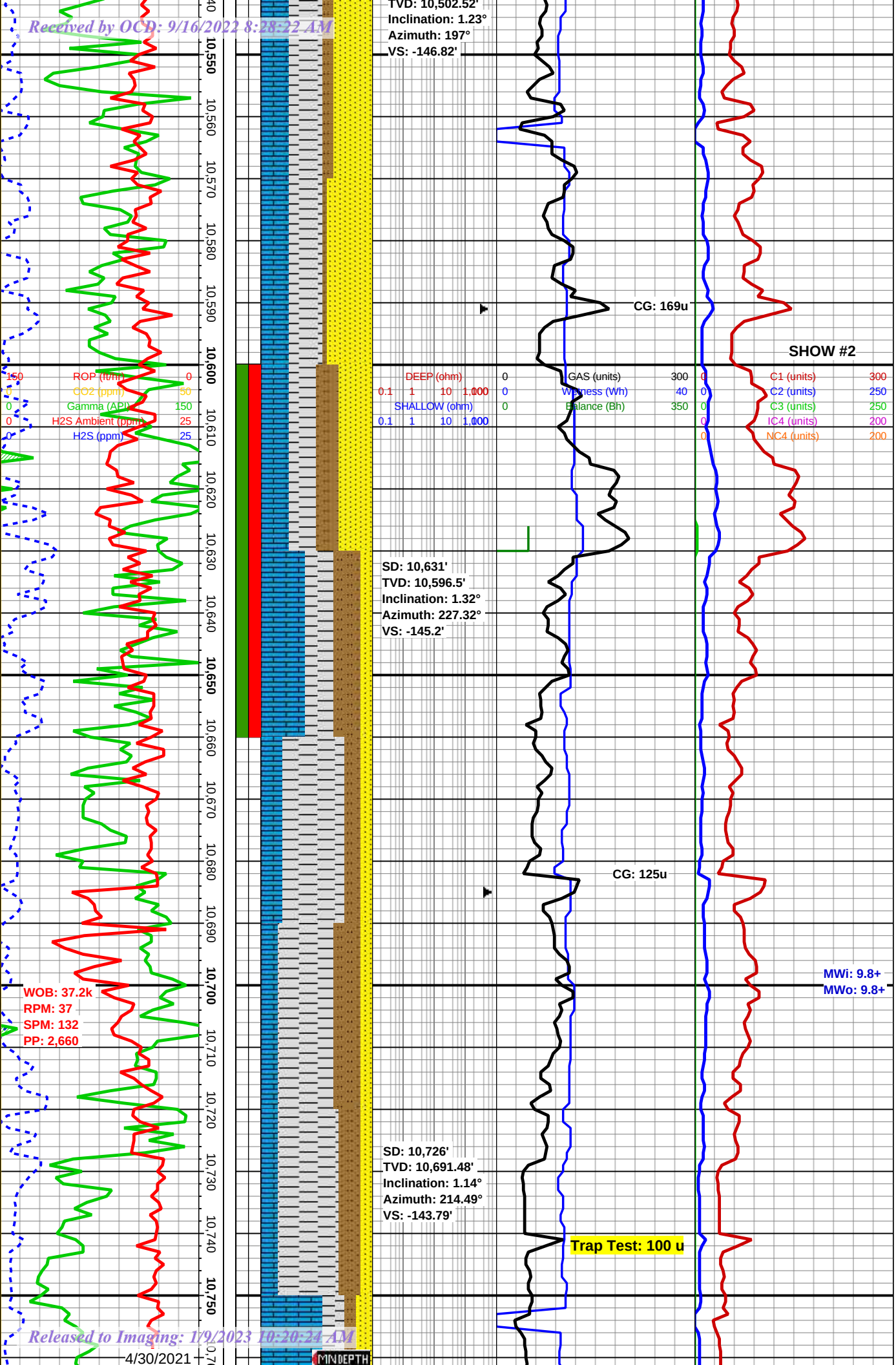

calc cmt, fri;
SLTST:med gy, occ dk gry, v f grnd, sb ang-sb rnd, calc mtx, pred arg, v lse cons;
LS: gry-tan mot, f-med xln txt, frm-mod frm; no flor, no cut

SS: med gy, med cons, vf gr txt, sb ang-sb rnd, mod srtd, calc cmt, fri;
SLTST:med gy, occ dk gry, v f grnd, sb ang-sb rnd, calc mtx, pred arg, v lse cons;
LS: gry-tan mot, f-med xln txt, frm-mod frm; no flor, no cut

SH: blk, v dk gry, chrhcl, blky-sblky, mod frm-v frm, occ hrd ind, rthy smth-sl rgh txt, dll lstr, slty ip, no vis cut
SLTST:med gy, occ dk gry, v f grnd, sb ang-sb rnd, calc mtx, pred arg, v lse cons;
LS: gry-tan mot, f-med xln txt, frm-mod frm; no flor, no cut

SH: blk, v dk gry, chrhcl, blky-sblky, mod frm-v frm, occ hrd ind, rthy smth-sl rgh txt, dll lstr, slty ip, no vis cut

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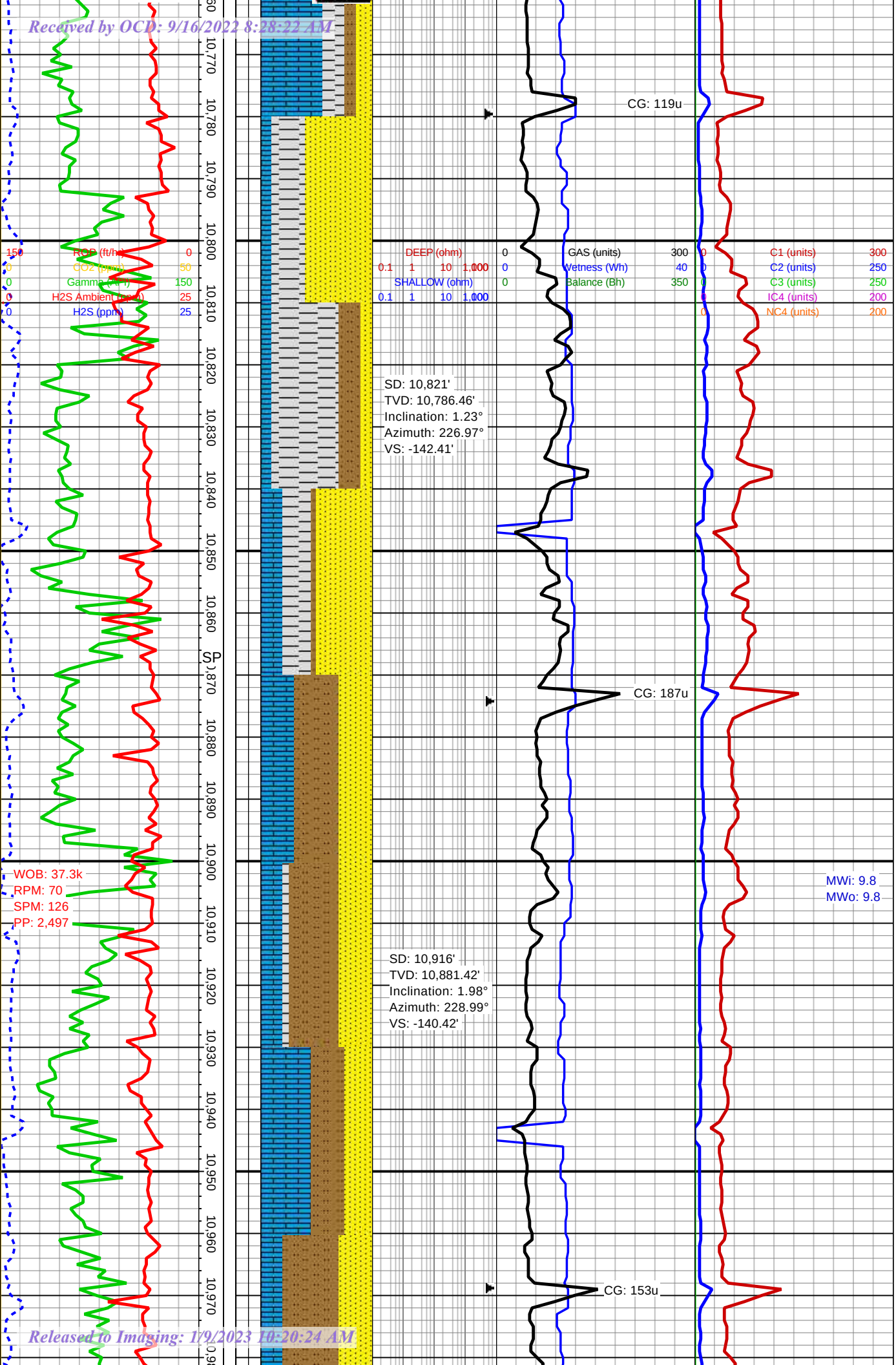

SLTST:med gy, occ dk gry, v f grnd, sb ang-sb rnd, calc mtx, pred arg, v lse cons;
LS: gry-tan mot, f-med xln txt, frm-mod frm; no flor, no cut

SH: blk, v dk gry, chrhcl, blky-sblky, mod frm-v frm, occ hrd ind, rthy smth-sl rgh txt, dll lstr, slty ip, no vis cut
SLTST:med gy, occ dk gry, v f grnd, sb ang-sb rnd, calc mtx, pred arg, v lse cons;
LS: gry-tan mot, f-med xln txt, frm-mod frm; no flor, no cut

SS: lt-med brn, fri, mod w cons, vf gr-f gr, occ lsly cons ip, ang-sb rnd, suc ip, occ fros, w srt thru, aren thru;
SLTST: brn-dk brn, dk gry, sl-mod frm, lsly cons, blky, com intbdd SS thru, dull rthy txt, sli-mod calc ip, no vis flor, no cut;
LS: gry-lt gry,mod frm-sme sft, occ hd, vf xln-mic xln, chky txt, com intbdd SLTST, no vis flor, no cut

LS: gry-lt gry, tn, mod frm, occ hd-brit, dns, mic xln-vf xln, rgh-vugy sli chlky txt, occ SS incl thru, no vis, no cut;
SS: brn, gry-lt gry, off

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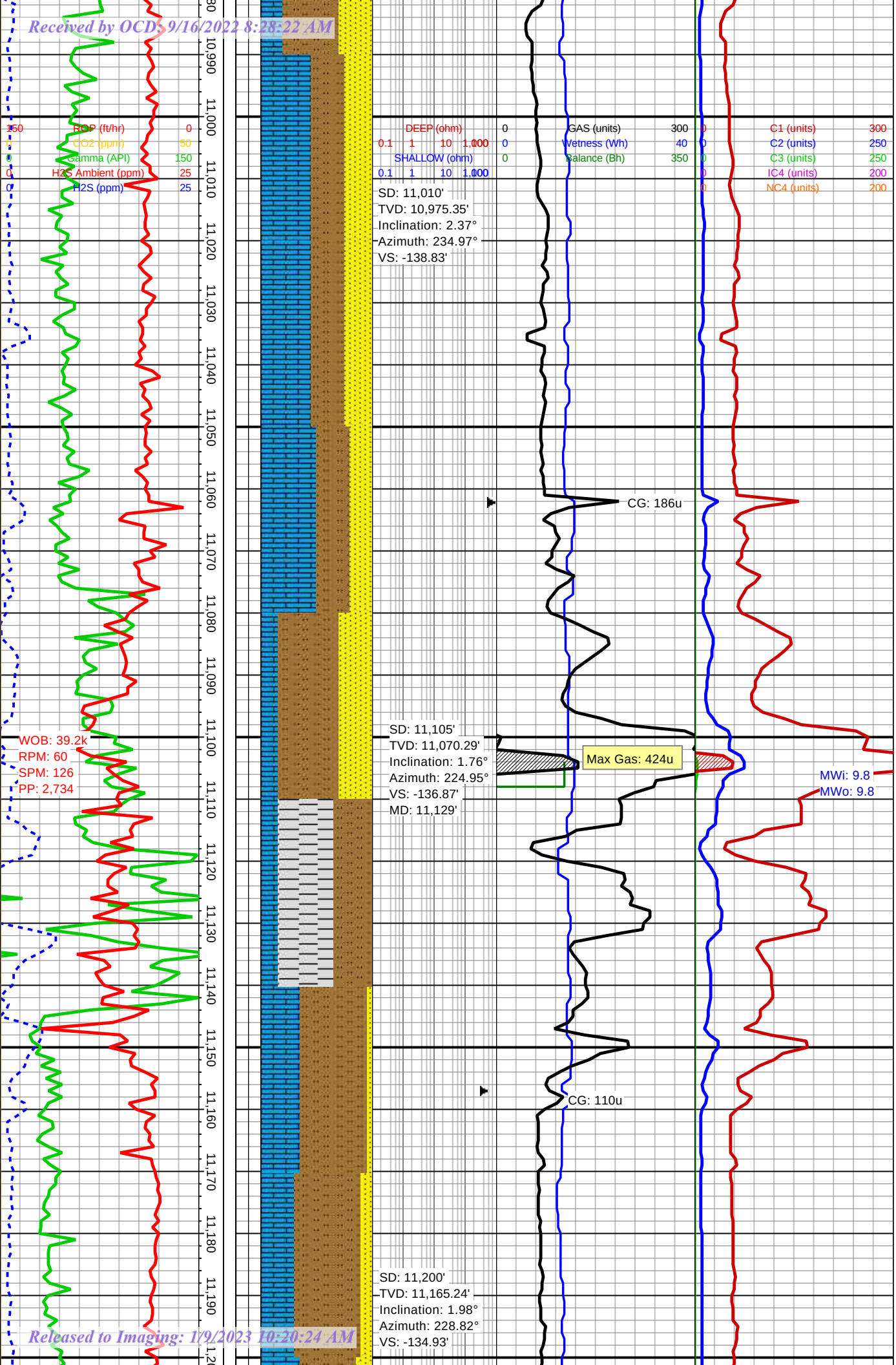

wht, lt tn, vf-f gr, wl srt thru, sli mod slty consl, sli arg ip, clay SLT matx;
SLTST: tn lt brn- brn, mod frm- frm, blky- sb blky, dull rthy txt, intbd ss, no vis flor no cut

SS: brn-med brn, clr-fros, w cons, vf gr, ang-sb rnd, suc ip, w srt thru, aren thru, SLT mtx, no vis flor, no cut;
SLTST: brn-dk brn, dk gry, sl-mod frm, lsly cons, blky, com intbdd SS thru, dull rthy txt, arg mtx sli-mod calc ip, no vis flor, no cut;
LS: gry-lt gry,mod frm-sme sft, occ hd, vf xln-mic xln, chky txt, com intbdd SLTST, no vis flor, no cut

SLTST: dk brn, brn, dk gry, mod frm, lsly cons, vf grn, com intbdd SS thru, dull rthy txt, sli-mod calc ip, sli carb ip, no vis flor, no cut;
SS: clr-fros, trnsp, w cons, vf gr, w srtd, ang-sb rnd, suc ip, aren thru SLT mtx;
LS: gry-lt gry,mod frm-sme sft, vf xln-mic xln, chky txt, com intbdd SLTST, no vis flor, no cut

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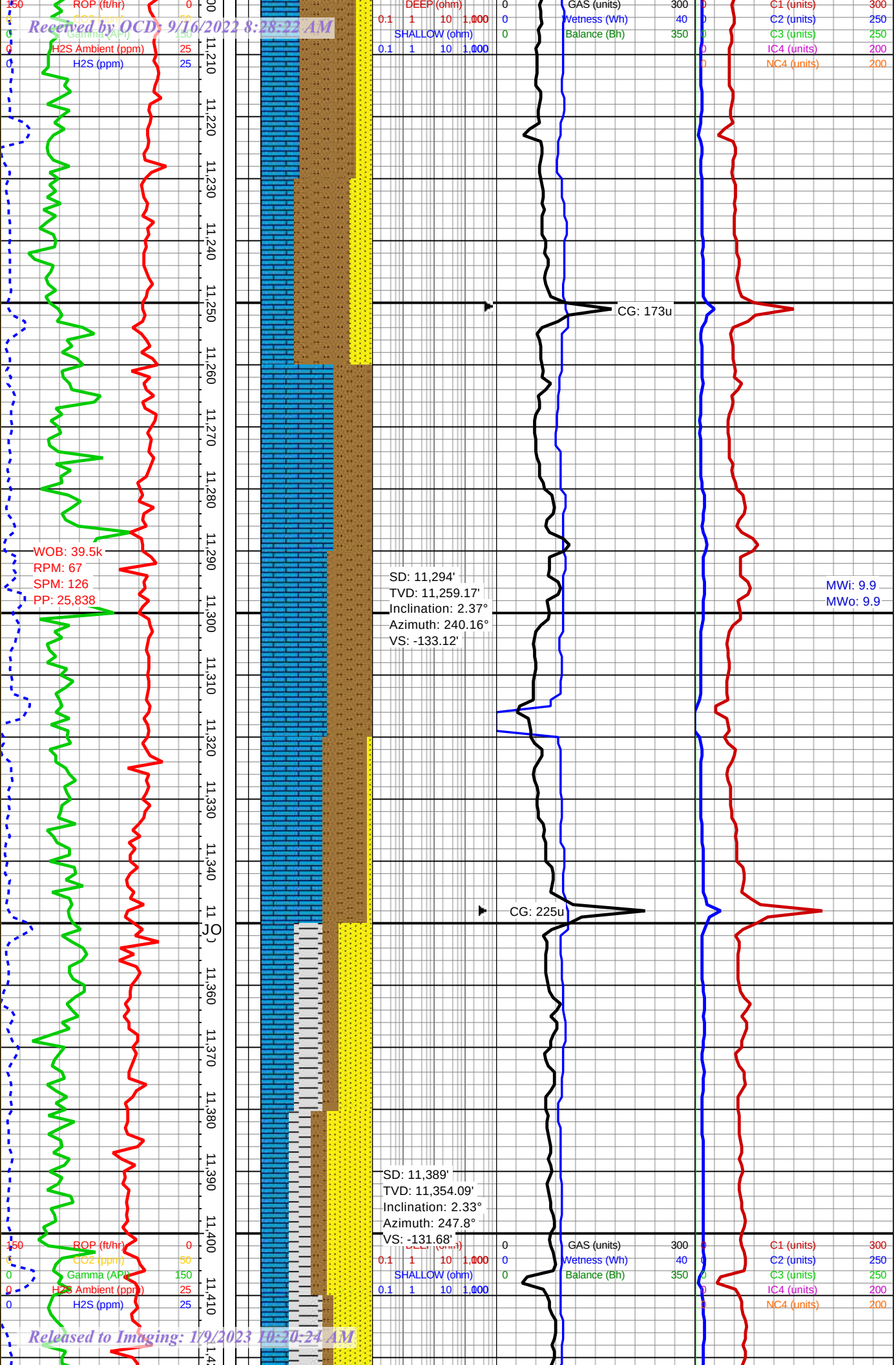

LS: lt gry, med gry, off wht, v fn-fn xln, mod dns, tr dns, frm-v frm, brit, pred v slty, occ aren incls thru, tr v fy pyrc, no vis fluor, no cut;
SLT: med gyr, dk gry, occ lt gry, v fn gr, sb rnd-rnd, mod w cons, pred arg mtx, occ aren incl, no vis fluor, no wet cut

SS: brn-med brn, clr-fros, w cons, vf gr, ang-sb rnd, suc ip, w srt thru, aren thru, SLT mtx, no vis flor, no cut;
SLTST: brn-dk brn, dk gry, sl-mod frm, lsly cons, blky, com intbdd SS thru, dull rthy txt, arg mtx sli-mod calc ip, no vis flor, no cut;
LS: gry-lt gry,mod frm-sme sft, occ hd, vf xln-mic xln, chky txt, com intbdd SLTST, no vis flor, no cut

SS: brn-med brn, clr-fros, w cons, vf gr, ang-sb rnd, suc ip, w srt thru, aren thru, SLT mtx, no vis flor, no cut;
SLTST: brn-dk brn, dk gry, sl-mod frm, lsly cons, blky, com intbdd SS thru, dull rthy txt, arg mtx sli-mod calc ip, no vis flor, no cut;
LS: gry-lt gry,mod frm-sme sft, occ hd, vf xln-mic xln, chky txt, com intbdd SLTST, no vis flor, no cut

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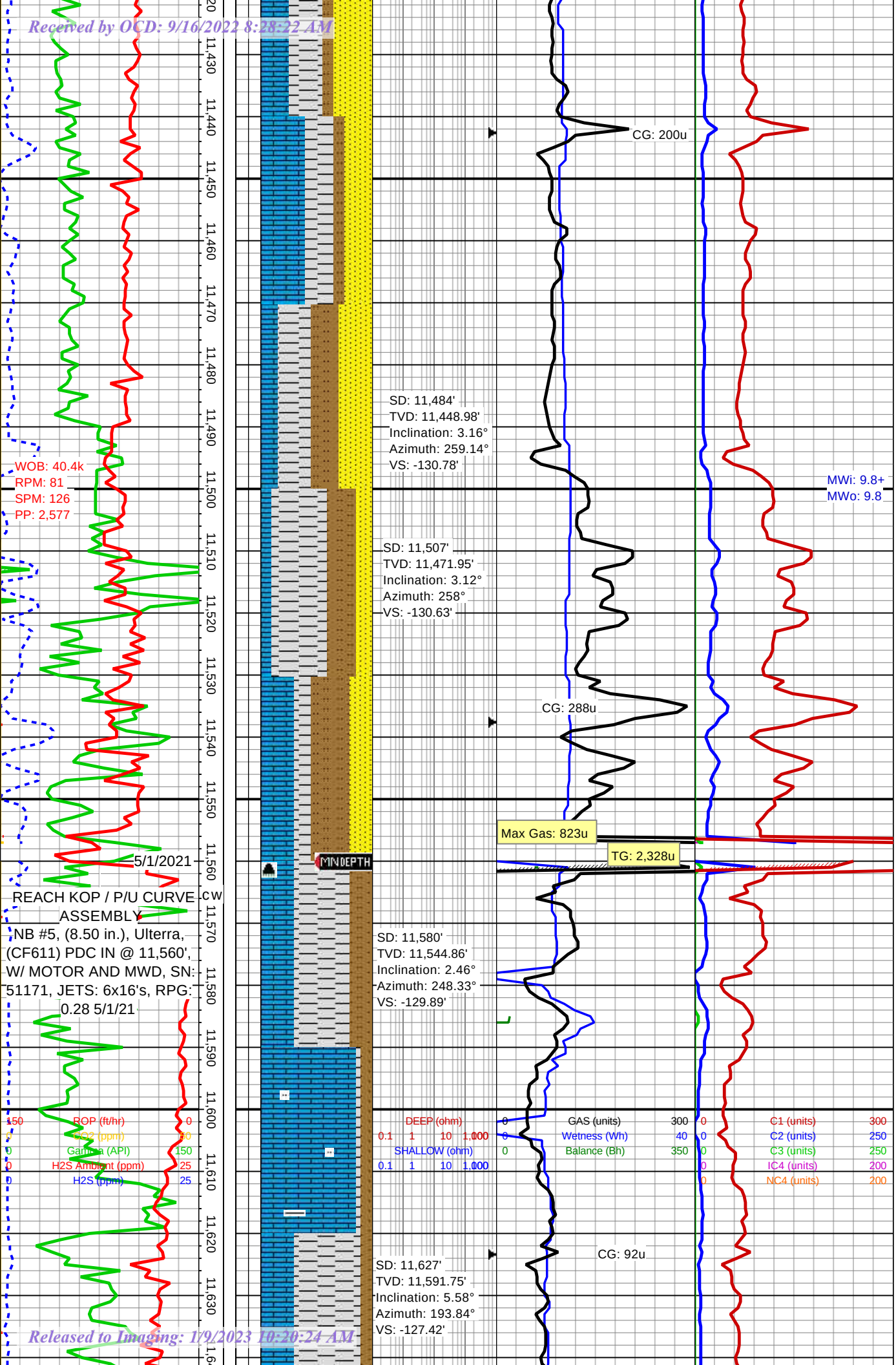

SS: brn-med brn, clr-fros, w cons, vf gr, ang-sb rnd, suc ip, w srt thru, aren thru, SLT mtx, no vis flor, no cut; SLTST: brn-dk brn, dk gry, sl-mod frm, lsly cons, blky, com intbdd SS thru, dull rthy txt, arg mtx sli-mod calc ip, no vis flor, no cut; LS: gry-lt gry,mod frm-sme sft, occ hd, vf xln-mic xln, chky txt, com intbdd SLTST, no vis flor, no cut
SH: blk, v dk gry, chrhcl, blky-sblky, mod frm-v frm, occ hrd ind, rthy smth-sl rgh txt, dll lstr, slty ip, no vis cut

SLT: dk gry, med gry, v/fn gr, sbrndd - rndd, sm tab, mod frm - frm, brit, sm calc incls ip, abndt arg incls, tr v/fy pyrc, no vis fluor or wet cut
SH: v/dk gry / blk, chrchl, blk, sblky - blky, occ tab, mod frm - frm, brit, rthy sli rgh txt, dll lstr, slty ip, occ arg incls, no vis wet cut

SH: blk, v/dk gry / blk, chrchl, slbky - blky, occ tab, mod frm - sft/ brit, rthy smth - sli rgh txt, dll-sbwxy lstr, occ slty, tr aren incls, sm v/fy

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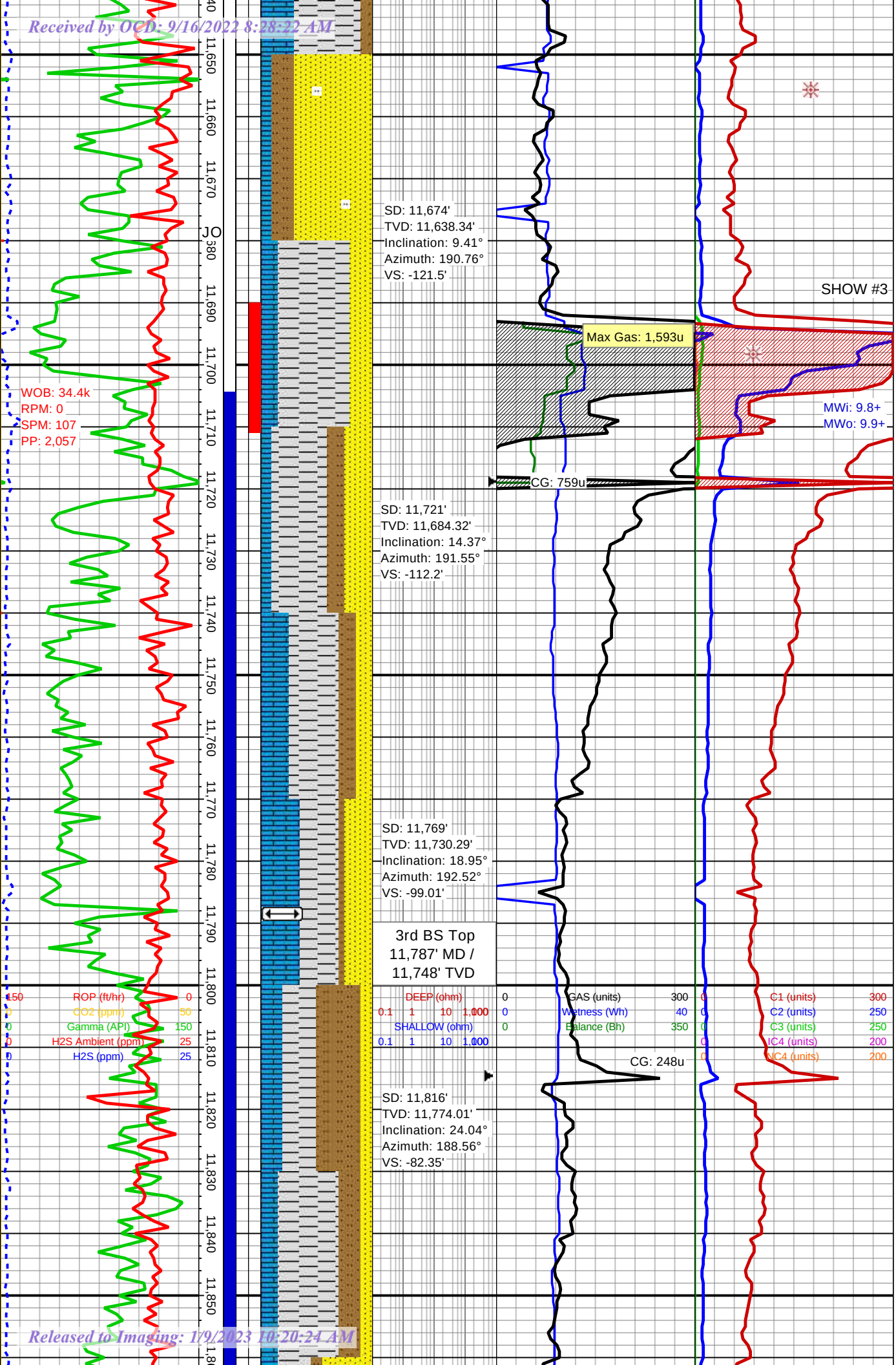

pyrc, no vis wet cut
LS: lt gry, lt brn, med gry, off wht, mot, v/fn - mic xln, mod dns, frm - mod frm, brit, pred slty, occ aren incls, tr v/fy pyrc, no vis fluor or wet cut

SS: brn-med brn, clr-fros, w cons, vf gr, ang-sb rnd, suc ip, w srt thru, aren thru, SLT mtx, no vis flor, no cut; SLTST: brn-dk brn, dk gry, sl-mod frm, lsly cons, blky, com intbdd SS thru, dull rthy txt, arg mtx sli-mod calc ip, no vis flor, no cut; LS: gry-lt gry,mod frm-sme sft, occ hd, vf xln-mic xln, chky txt, com intbdd SLTST, no vis flor, no cut
SH: blk, v dk gry, chrhcl, blky-sblky, mod frm-v frm, occ hrd ind, rthy smth-sl rgh txt, dll lstr, slty ip, no vis cut

SS: brn-med brn, clr-fros, w cons, vf gr, ang-sb rnd, suc ip, w srt thru, aren thru, SLT mtx, no vis flor, no cut; SLTST: brn-dk brn, dk gry, sl-mod frm, lsly cons, blky, com intbdd SS thru, dull rthy txt, arg mtx sli-mod calc ip, no vis flor, no cut; LS: gry-lt gry,mod frm-sme sft, occ hd, vf xln-mic xln, chky txt, com intbdd SLTST, no vis flor, no cut
SH: blk, v dk gry, chrhcl, blky-sblky, mod

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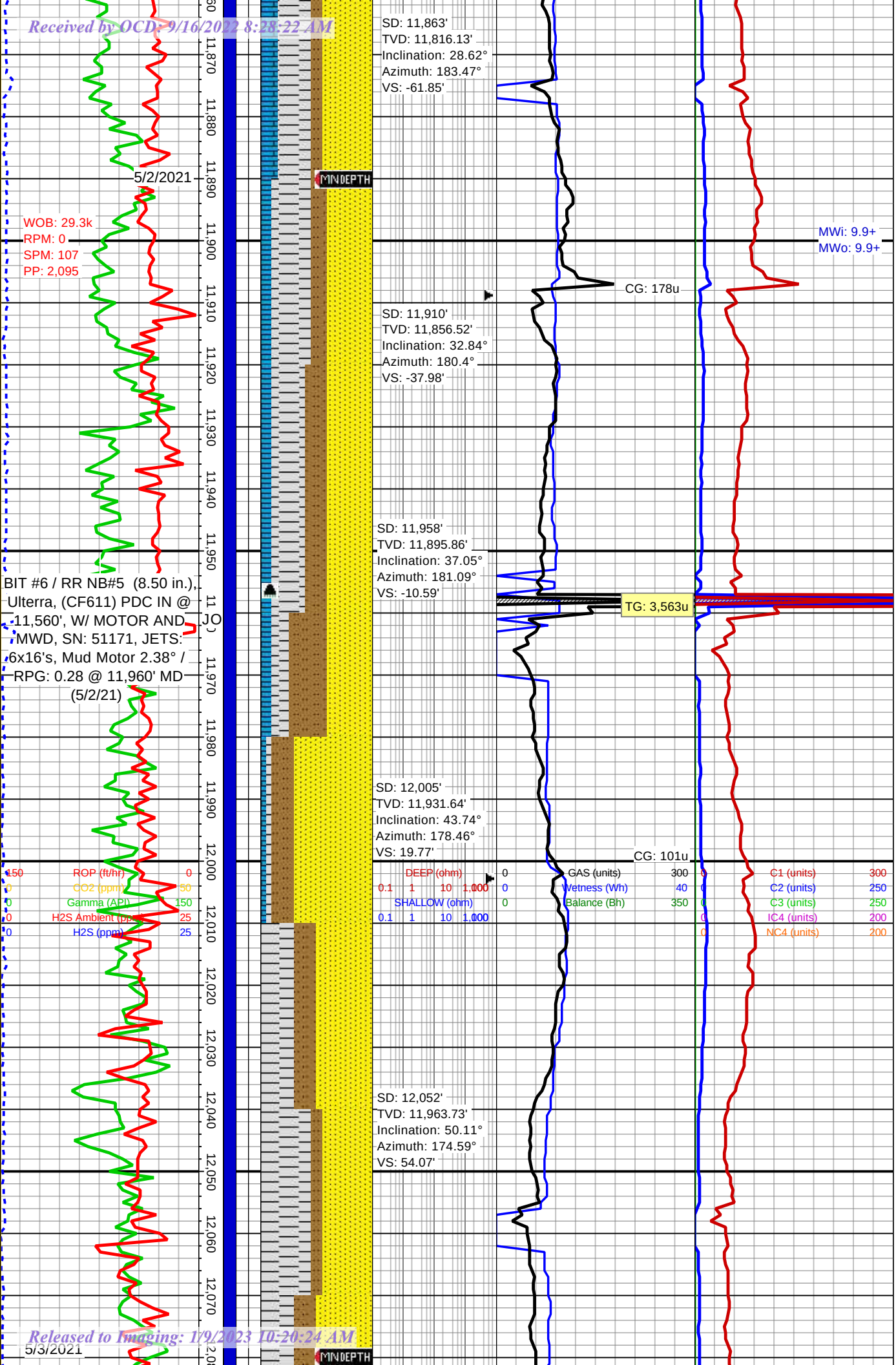

rthy smth-sl rgh txt, dll lstr, slty ip, no vis cut

SS: brn-med brn, clr-fros, w cons, vf gr, ang-sb rnd, suc ip, w srt thru, aren thru, SLT mtx, no vis flor, no cut; SLTST: brn-dk brn, dk gry, sl-mod frm, lsly cons, blky, com intbdd SS thru, dull rthy txt, arg mtx sli-mod calc ip, no vis flor, no cut; SH: blk, v dk gry, chrhcl, blky-sblky, mod frm-v frm, occ hrd ind, rthy smth-sl rgh txt, dll lstr, slty ip, no vis cut

SS: brn-med brn, clr-fros, w cons, vf gr, ang-sb rnd, suc ip, w srt thru, aren thru, SLT mtx, no vis flor, no cut; SLTST: brn-dk brn, dk gry, sl-mod frm, lsly cons, blky, com intbdd SS thru, dull rthy txt, arg mtx sli-mod calc ip, no vis flor, no cut; SH: blk, v dk gry, chrhcl, blky-sblky, mod frm-v frm, occ hrd ind, rthy smth-sl rgh txt, dll lstr, slty ip, no vis cut

SS: brn-med brn, clr-fros, w cons, f gr -vf gr, ang-sb rnd- rnd, w srt thru, aren thru, SLT mtx, no vis flor, no cut; SLTST: drk gry brn-dk brn, mod frm- frm, lsly cons, blky- sb blky, com intbdd SS thru,

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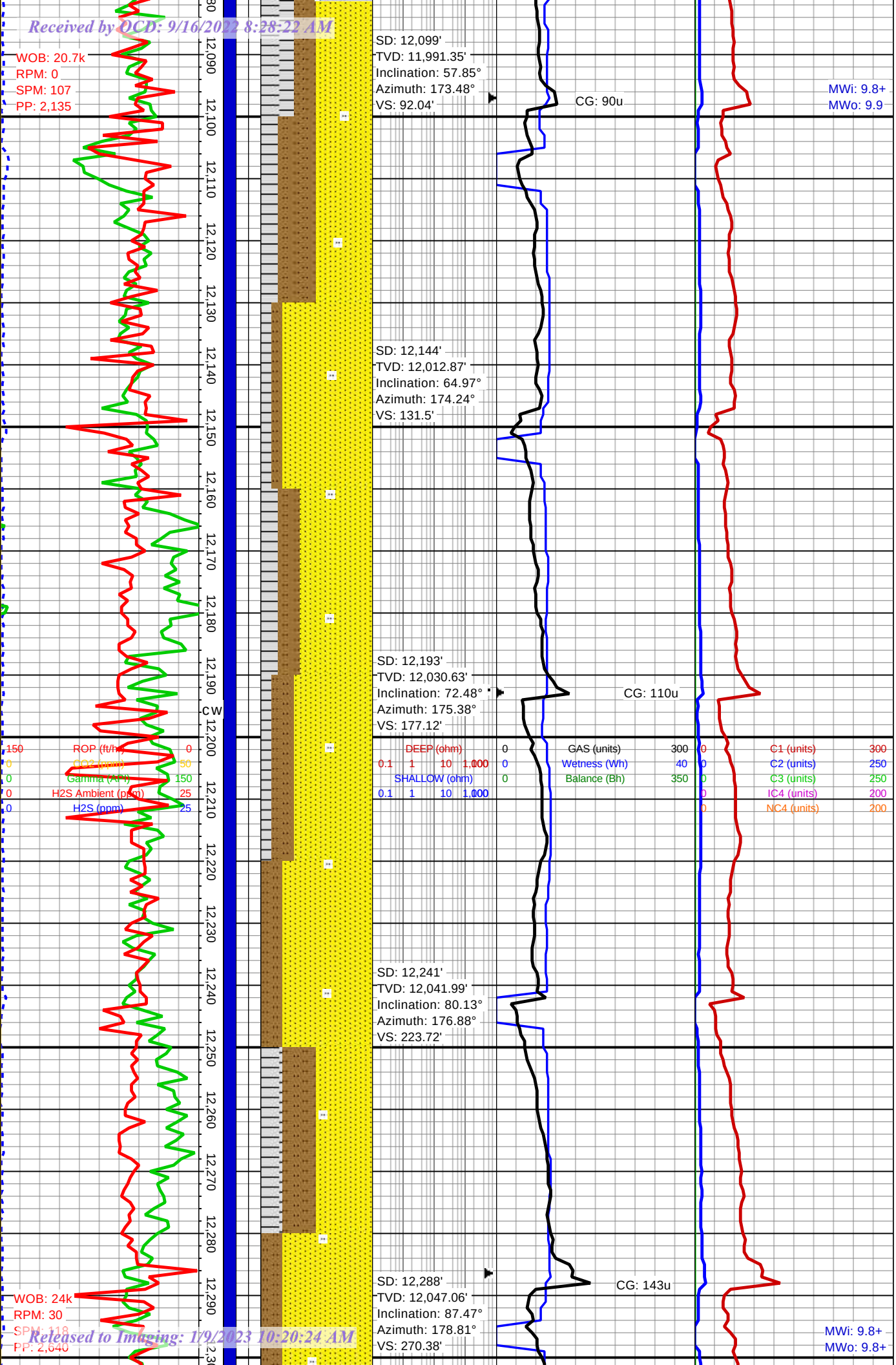

dull rthy txt, arg mtx sli-mod calc ip, no vis flor, no cut;
SH: blk, v dk gry, chrhcl, blky-sblky, mod frm-v frm, occ hrd ind, rthy smth-sl rgh txt, dll lstr, slty ip, no vis cut

SS: gry, med gry, dk gry , clr-fros, w cons, f gr -vf gr, ang-sb rnd-rnd, w srt thru, aren thru, SLT mtx, no vis flor, no cut;
SLTST: drk gry brn-dk brn, mod frm- frm, lsly cons, blky- sb blky, com intbdd SS thru, dull rthy txt, arg mtx sli-mod calc ip, no vis flor, no cut;
SH: blk, v dk gry, chrhcl, blky-sblky, mod frm-v frm, occ hrd ind, rthy smth-sl rgh txt, dll lstr, slty ip, no vis cut

SH: dk gry- blk, blk, blky sb-blky, mod frm-frm, rthy, no vis cut
SLTST:drk brn, mod frm- frm, blky- sb blky, intbdd SS, rthy txt, no cut SS: dk gry- med gry, vf- f gr, sb rnd-rnd, frly cons, slty cly mtrx, sly calc ip, no flor or cut

SS: med gry- dk gry, vf gr- f gr, rnd-sb rnd,frly cons, prd slty cly

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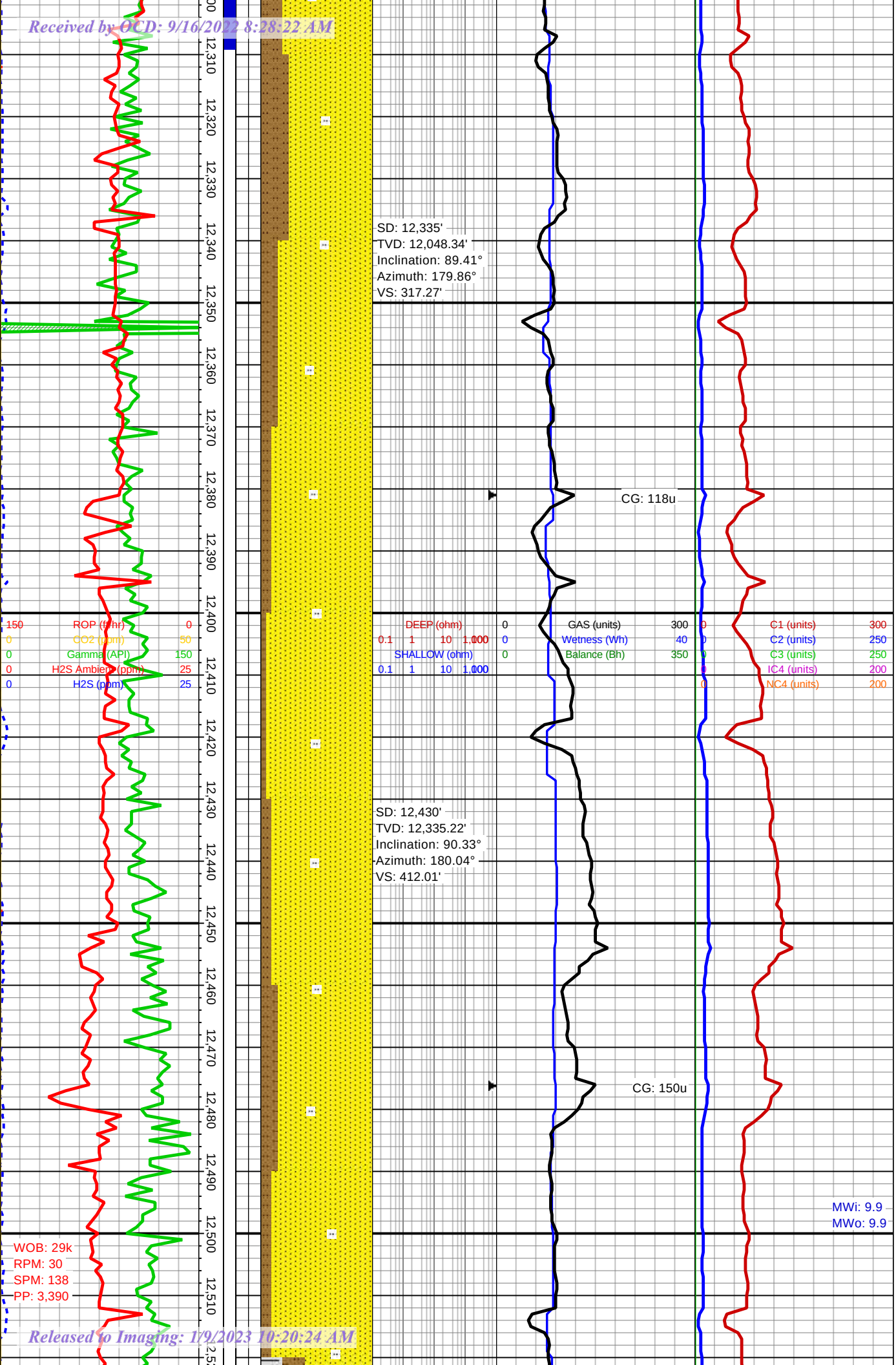

mtrx,mod srtd, mtrx spprtd, pred slty thru, occ calc lam, no flor, no cut
SLTST: gry-drk gry,mod frm- frm,vf gr, blky- sb blky, v arg, no cut or flor

SS:med gry- drk gry, vf gr- f gr, pred slty/cly mtrx, occ calc cmnt, frly srtd, mtrx spprtd, pred slty, occ vfy pyrc, no vis fluor or wet cut
SLTST: drk gry - gry, frm- mod frm, sb blky-blocky,no cut, no flor

SS:gry- drk gry, off wht, vf gr- f gr,frly rnd- rnd, fros, frly srt- w srt, pred slty, slty cmnt matrix, no vi flor or wet cut
SLTST: gry- dk gry, mod frm- frm, blky- sb blky, brit, intb Sltst no cut, no flor

SS:off wht, drk gry- gry lt gry vf gr- f gr,frly rnd-rnd, fros, frly srt- w srt,abnt pred slty, slty cmnt matrix, no vi flor or wet cut
SLTST: gry- dk gry, mod frm- frm, blky- sb blky, brit, intb Sltst no cut, no flor

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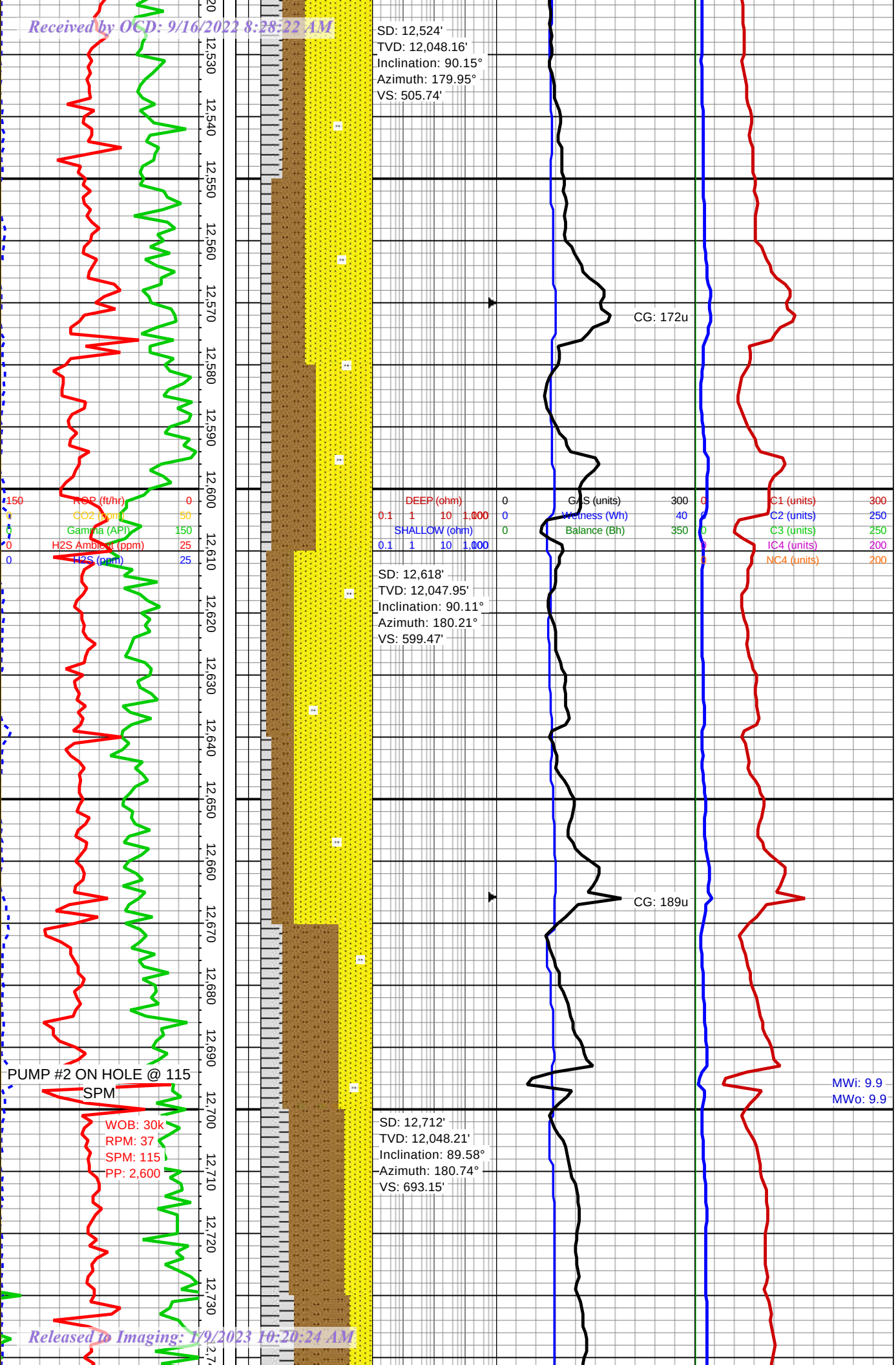

SS:med gry, drk gry, off wht, lt gry, frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty cly mtrx, sm calc cmnt ip, mod srtd, mtrx spprtd, pred v/slty, occ v/fh pyrc, no vis fluor or wet cut

SH:blk, v/dk gry / blk, chrchl, sblky - tab, occ blky,mod frm - sft / brit, rthy sli rgh - smth txt, dll lstr, tr sbwxy, pred slty, occ aren incls, sm v/fy pyrc ip, no vis wet cut

SS: med gry, off wht, gry, v/fy - fn gr, sbrndd - rndd, cnsld, frly wll cmtnd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, mtrx - clst spprtd, pred v/slty, occ v/fy pyrc, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip,abndt arg incls, no vis fluor or wet cut

SS:med gry, drk gry, off wht, lt gry, frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty cly mtrx, sm calc cmnt ip, mod srtd, mtrx spprtd, pred v/slty, occ v/fh pyrc, no vis fluor or wet cut

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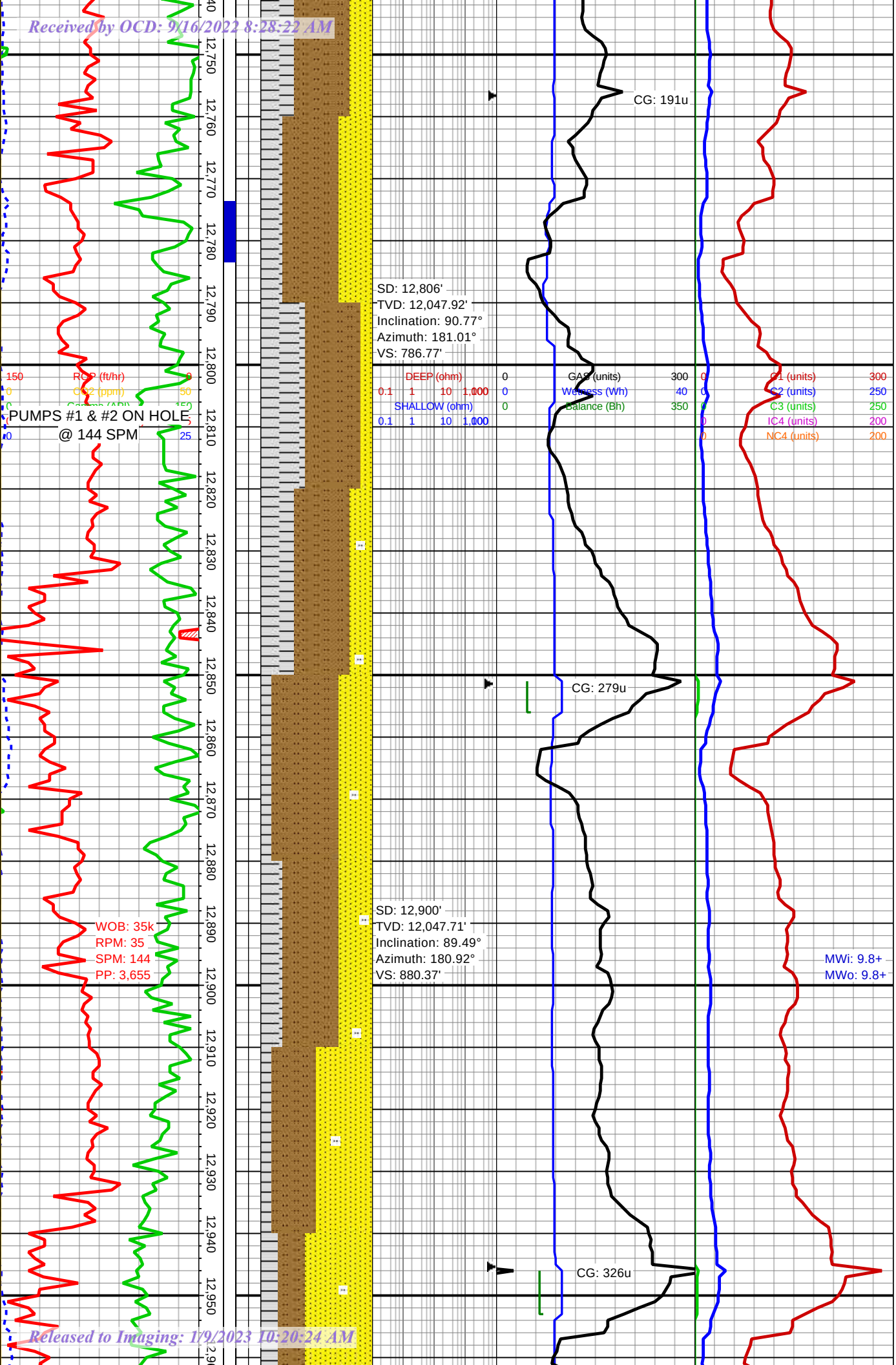

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut
SH:blk, v/dk gry / blk, chrchl, sblky - tab, occ blky,mod frm - sft / brit, rthy sli rgh - smth txt, dll lstr, tr sbwxy, pred slty, occ aren incls, sm v/fy pyrc ip, no vis wet cut

SS: med gry, off wht, gry, v/fy - fn gr, sbrndd - rndd, cnsld, frly wll cmtnd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, mtrx - clst spprtd, pred v/slty, occ v/fy pyrc, no vis fluor or wet cut
SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SS:med gry, drk gry, off wht, lt gry, frstd, v/fn - fr gr, sbrndd - rndd, cnsld, frly cmntd, pred slty cly mtrx, sm calc cmnt ip, mod srtd, mtrx spprtd, pred v/slty, occ v/fh pyrc, no vis fluor or wet cut
SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

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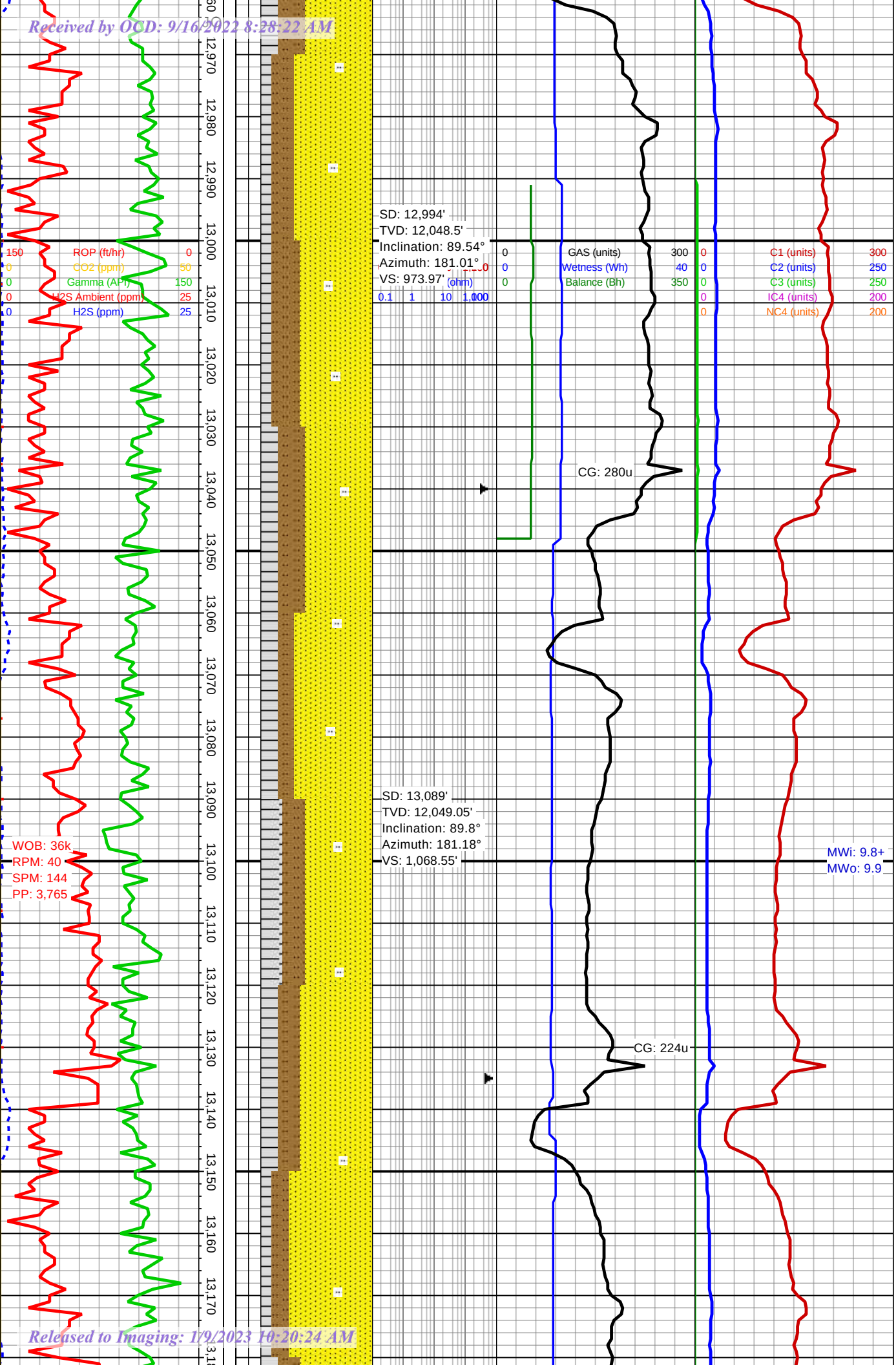

SS: med gry, off wht, gry, v/fy - fn gr, sbrndd - rndd, cnsld, frly wll cmtnd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, mtrx - clst spprtd, pred v/slty, occ v/fy pyrc, no vis fluor or wet cut
SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut
SH:blk, v/dk gry / blk, chrchl, sblky - tab, occ blky,mod frm - sft / brit, rthy sli rgh - smth txt, dll lstr, tr sbwxy, pred slty, occ aren incls, sm v/fy pyrc ip, no vis wet cut

SS: med gry, off wht, gry, v/fy - fn gr, sbrndd - rndd, cnsld, frly wll cmtnd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, mtrx - clst spprtd, pred v/slty, occ v/fy pyrc, no vis fluor or wet cut
SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

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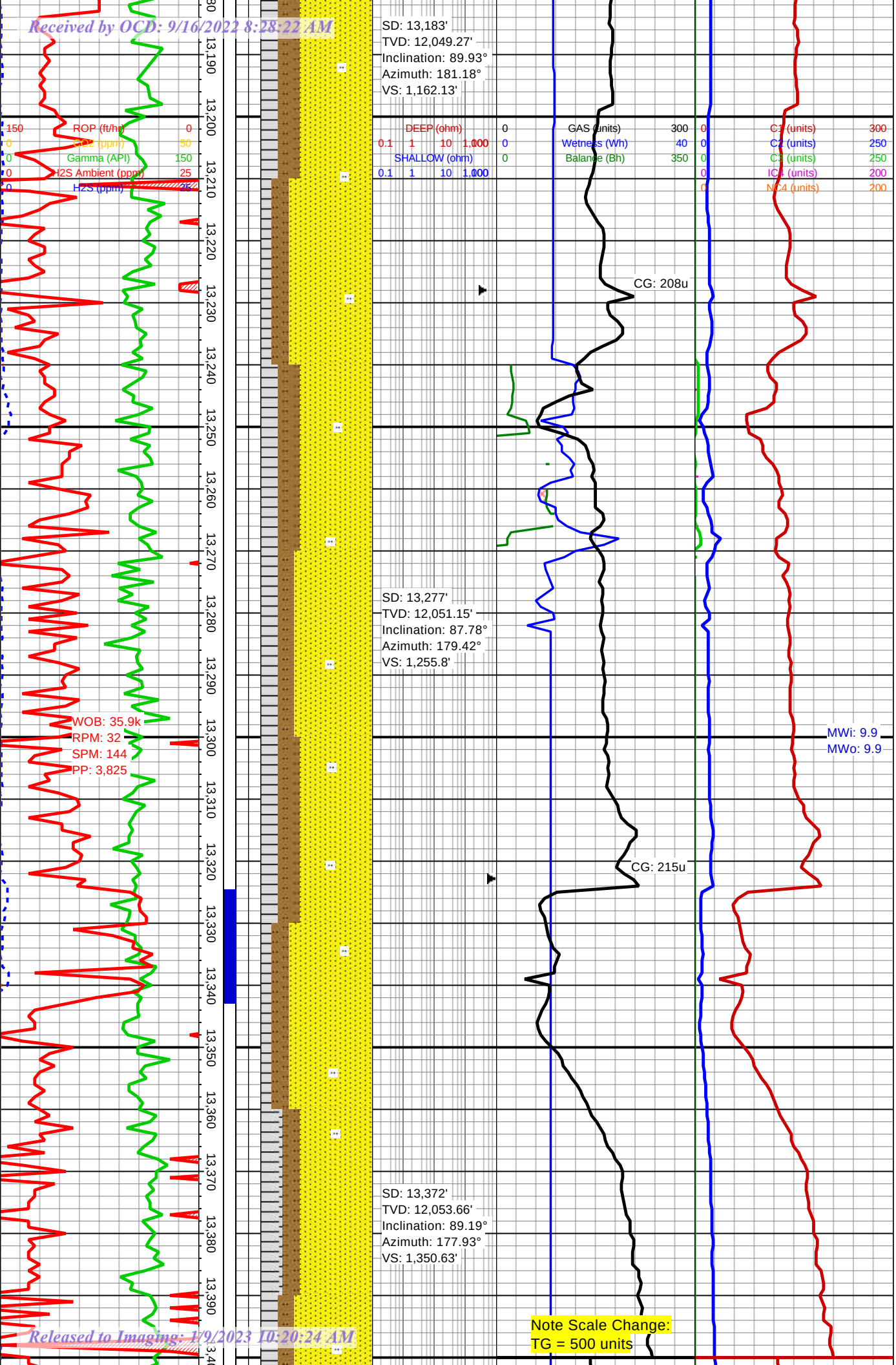

SS: med gry, off wht, gry, v/fy - fn gr, sbrndd - rndd, cnsld, frly wll cmtnd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, mtrx - clst sppртd, pred v/slty, occ v/fy pyrc, no vis fluor or wet cut
SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut
SH:blk, v/dk gry / blk, chrchl, sblky - tab, occ blky,mod frm - sft / brit, rthy sli rgh - smth txt, dll lstr, tr sbwxy, pred slty, occ aren incls, sm v/fy pyrc ip, no vis wet cut

SS: med gry, off wht, gry, v/fy - fn gr, sbrndd - rndd, cnsld, frly wll cmtnd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, mtrx - clst sppртd, pred v/slty, occ v/fy pyrc, no vis fluor or wet cut
SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SS: med gry, off wht, gry, v/fy - fn gr, sbrndd - rndd, cnsld, frly wll

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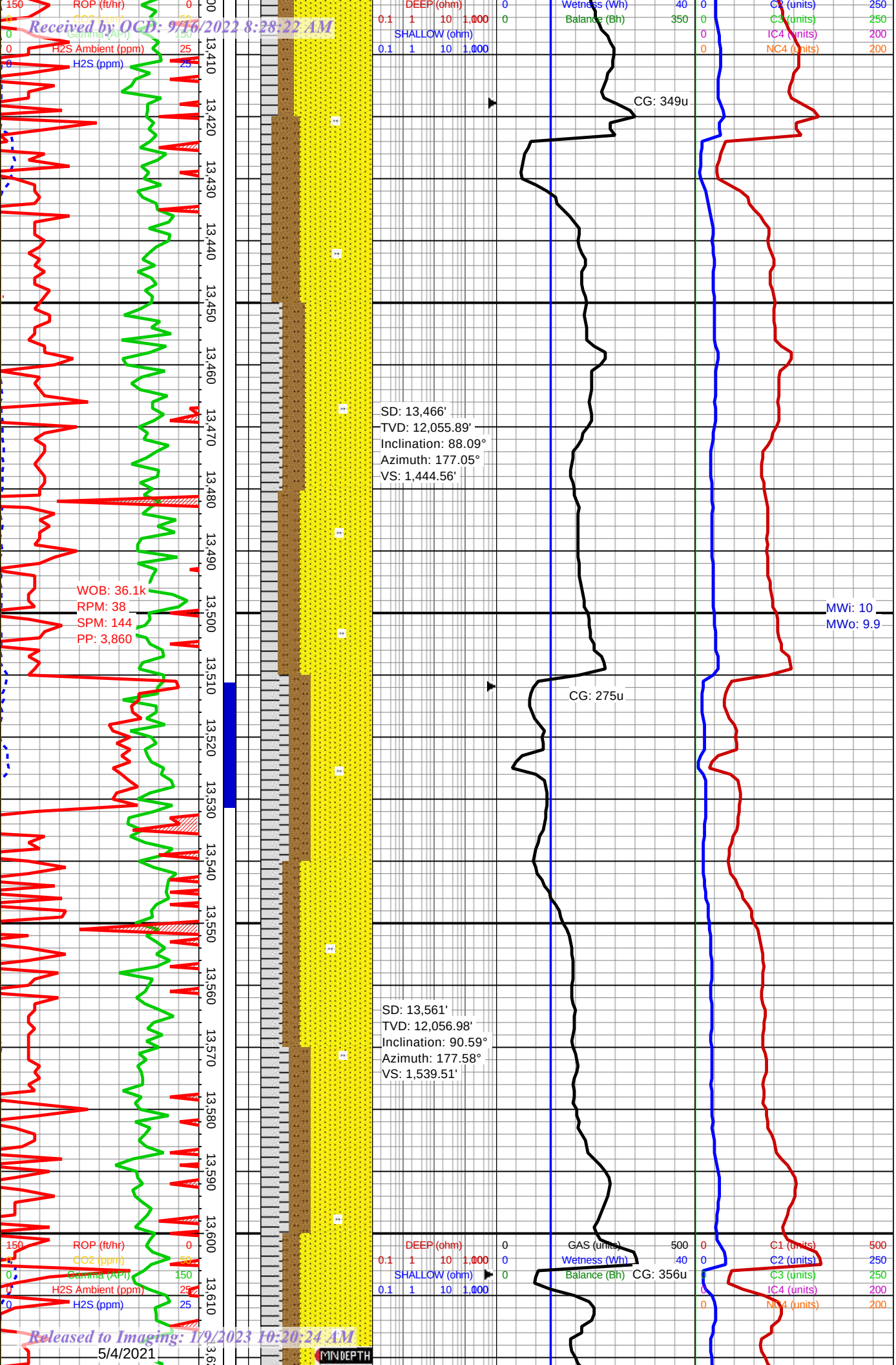

cmtnd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, mtrx - clst sppртd, pred v/slty, occ v/fy pyrc, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SH:blk, v/dk gry / blk, chrchl, sblky - tab, occ blky,mod frm - sft / brit, rthy sli rgh - smth txt, dll lstr, tr sbwxy, pred slty, occ aren incls, sm v/fy pyrc ip, no vis wet cut

SS: med gry, off wht, gry, v/fy - fn gr, sbrndd - rndd, cnsld, frly wll cmtnd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, mtrx - clst sppртd, pred v/slty, occ v/fy pyrc, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SS: med gry, off wht, gry, v/fy - fn gr, sbrndd - rndd, cnsld, frly wll

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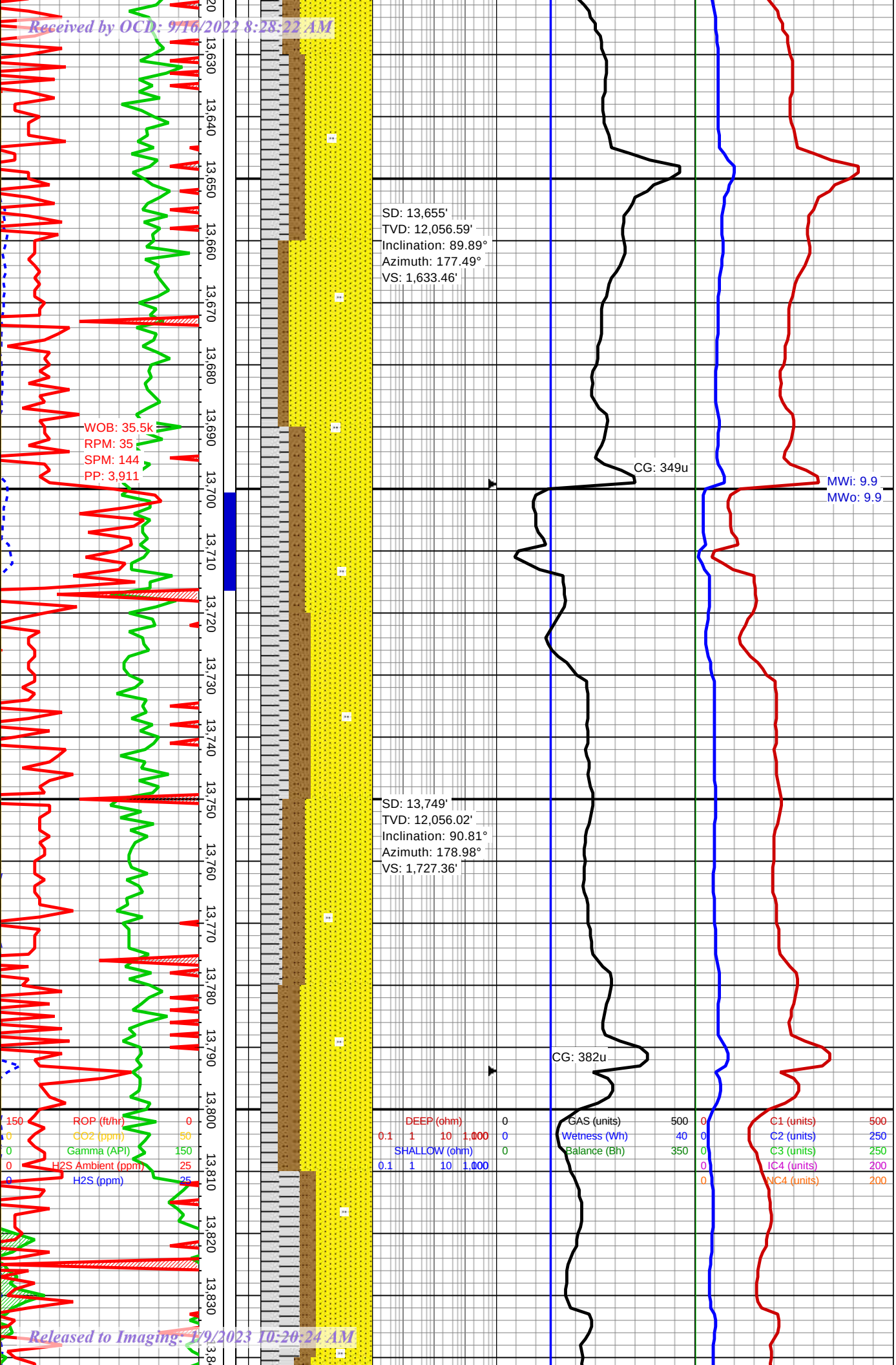

cmtnd, pred slty / calc mtrx, sli cly, occ f-m sd, mod srtd, mtrx - clst sppprtd, pred v/slty, occ v/fy pyrc, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut
SH:blk, v/dk gry / blk, chrchl, sblky - tab, occ blky,mod frm - sft / brit, rthy sli rgh - smth txt, dll lstr, tr sbwxy, pred slty, occ aren incls, sm v/fy pyrc ip, no vis wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut
SH:blk, v/dk gry / blk, chrchl, sblky - tab, occ blky,mod frm - sft / brit, rthy sli rgh - smth txt, dll lstr, tr sbwxy, pred slty, occ aren incls, sm v/fy pyrc ip, no vis wet cut

SH:blk, v/dk gry / blk, chrchl, sblky - tab, occ blky,mod frm - sft / brit, rthy sli rgh - smth txt, dll lstr, tr sbwxy, pred

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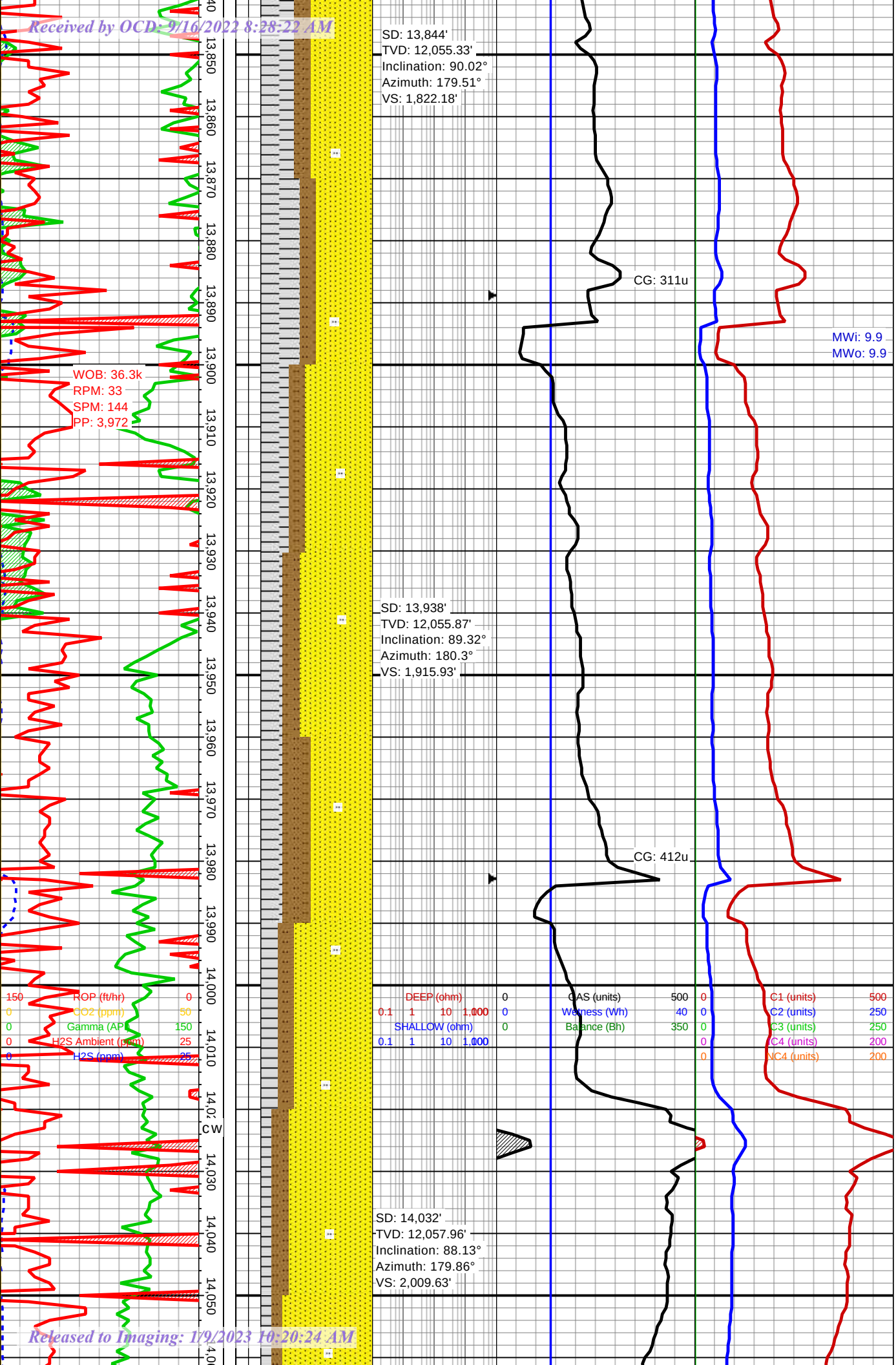

slty, occ aren incls, sm v/fy pyrc ip, no vis wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SS: med gry, off wht, gry, v/fy - fn gr, sbrndd - rndd, cnsld, frly wll cmtnd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, mtrx - clst spprtd, pred v/slty, occ v/fy pyrc, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SH:blk, v/dk gry / blk, chrchl, sblky - tab, occ blky,mod frm - sft / brit, rthy sli rgh - smth txt, dll lstr, tr sbwxy, pred slty, occ aren incls, sm v/fy pyrc ip, no vis wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SS: med gry, dk gry, off wht, sm frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, frly srtd, clst spprtd, occ v/fy pyrc, sm arg incls ip, no vis fluor or wet cut

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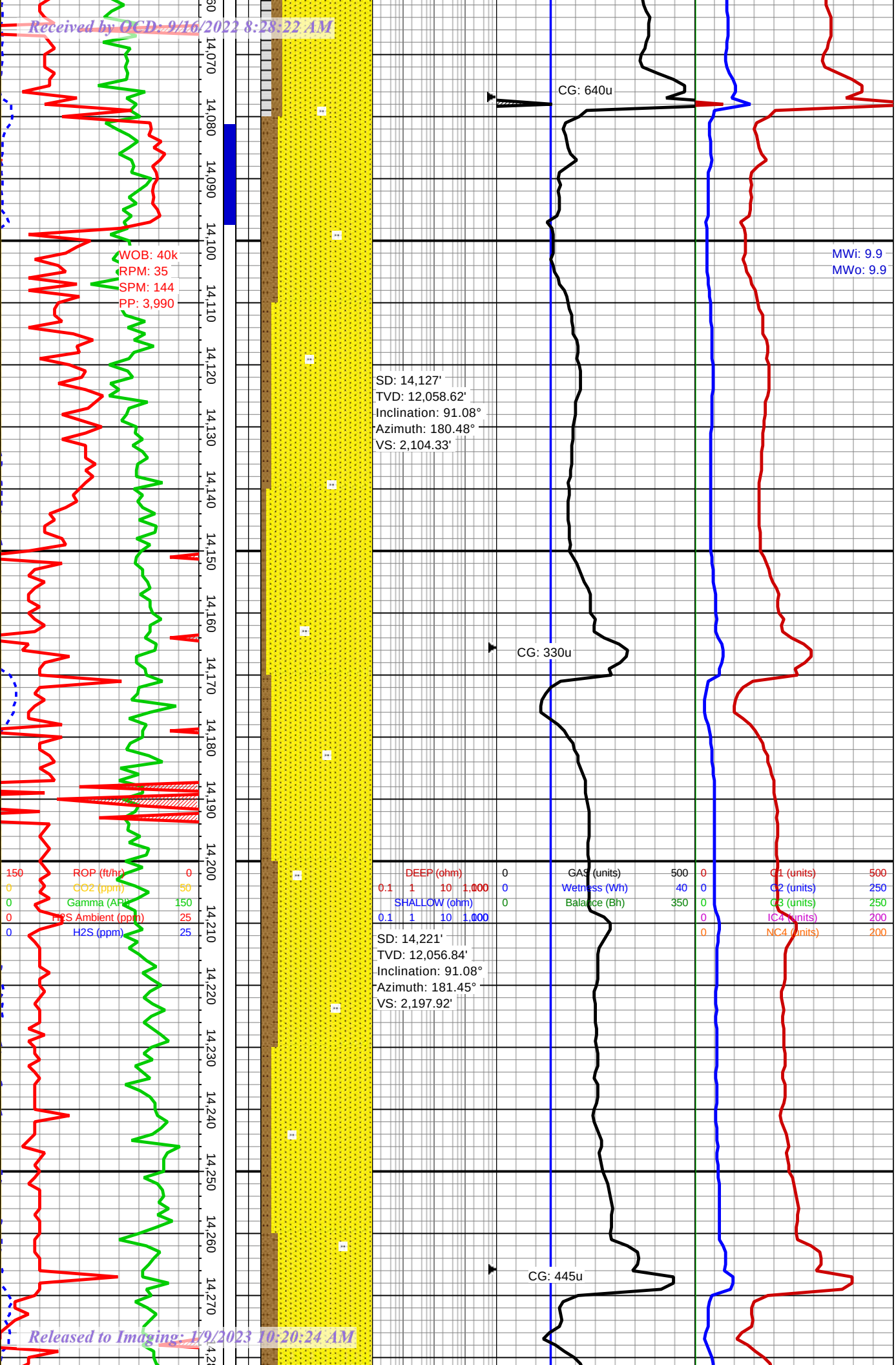

SH: blk, v/dk gry / blk, chrchl, sblky - blky, mod frm - sft/brit, rthy sli rgh txt, dll lstr, slty ip, occ aren incls, tr v/fy pyrc, no vis wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut
SH:blk, v/dk gry / blk, chrchl, sblky - tab, occ blky,mod frm - sft / brit, rthy sli rgh - smth txt, dll lstr, tr sbwxy, pred slty, occ aren incls, sm v/fy pyrc ip, no vis wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut
SH:blk, v/dk gry / blk, chrchl, sblky - tab, occ blky,mod frm - sft / brit, rthy sli rgh - smth txt, dll lstr, tr sbwxy, pred slty, occ aren incls, sm v/fy pyrc ip, no vis wet cut

SS: med gry, dk gry, off wht, sm frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, frly srtd, clst sppртd, occ v/fy pyrc, sm arg incls ip, no vis fluor or wet cut

SLT:med gry, dk gry,

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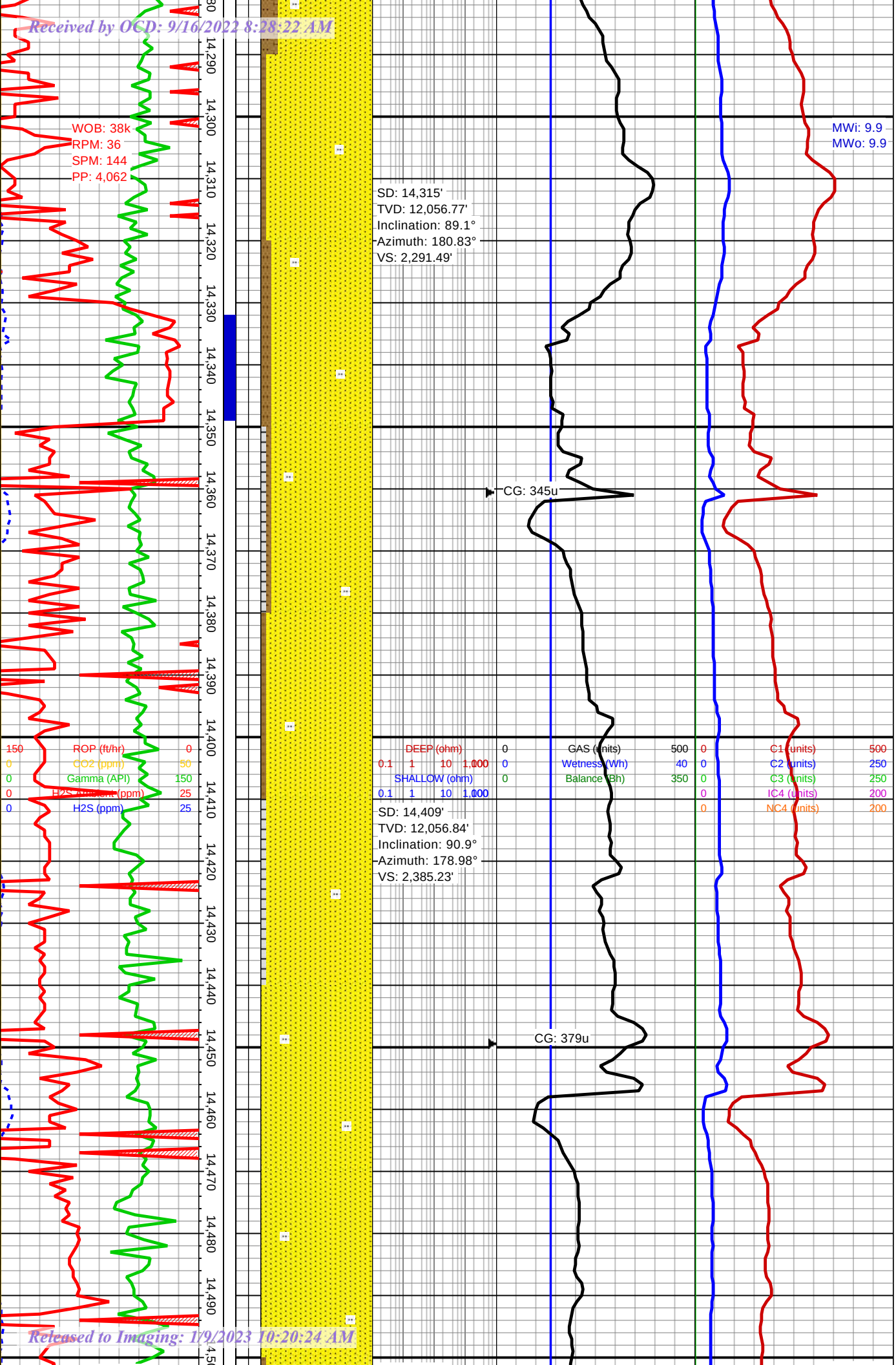

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SH:blk, v/dk gry / blk, chrchl, sblky - blky mod frm - sft/brit, rthy smth - sli rgh txt, dll lstr, slty ip, occ aren incls, tr v/fy pyrc ip, no vis wet cut

SS: med gry, dk gry, off wht, sm frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, frly srtd, clst spprtd, occ v/fy pyrc, sm arg incls ip, no vis fluor or wet cut

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SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip,

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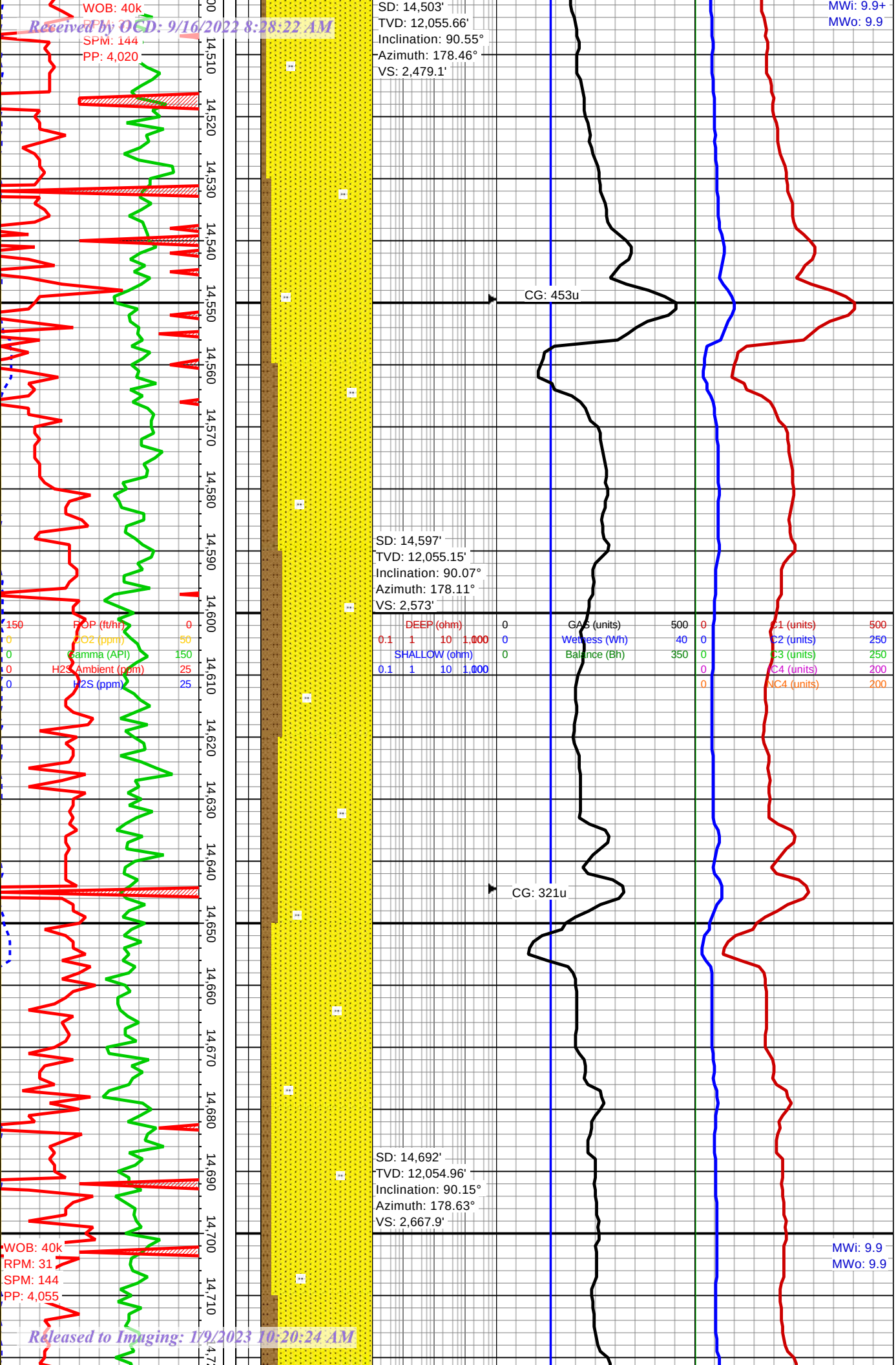

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SS: dk gry, med gyr, off wht, wht, frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / cly mtrx, sm calc cmt ip, frly srtd, clst sppprtd, occ mtrx sppprtd, pred slty, occ v/fy pyrc, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SS: med gry, dk gry, off wht, sm frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, frly srtd, clst sppprtd, occ v/fy pyrc, sm arg incls ip, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SH:blk, v/dk gry / blk, chrchl, sblky - tab, occ

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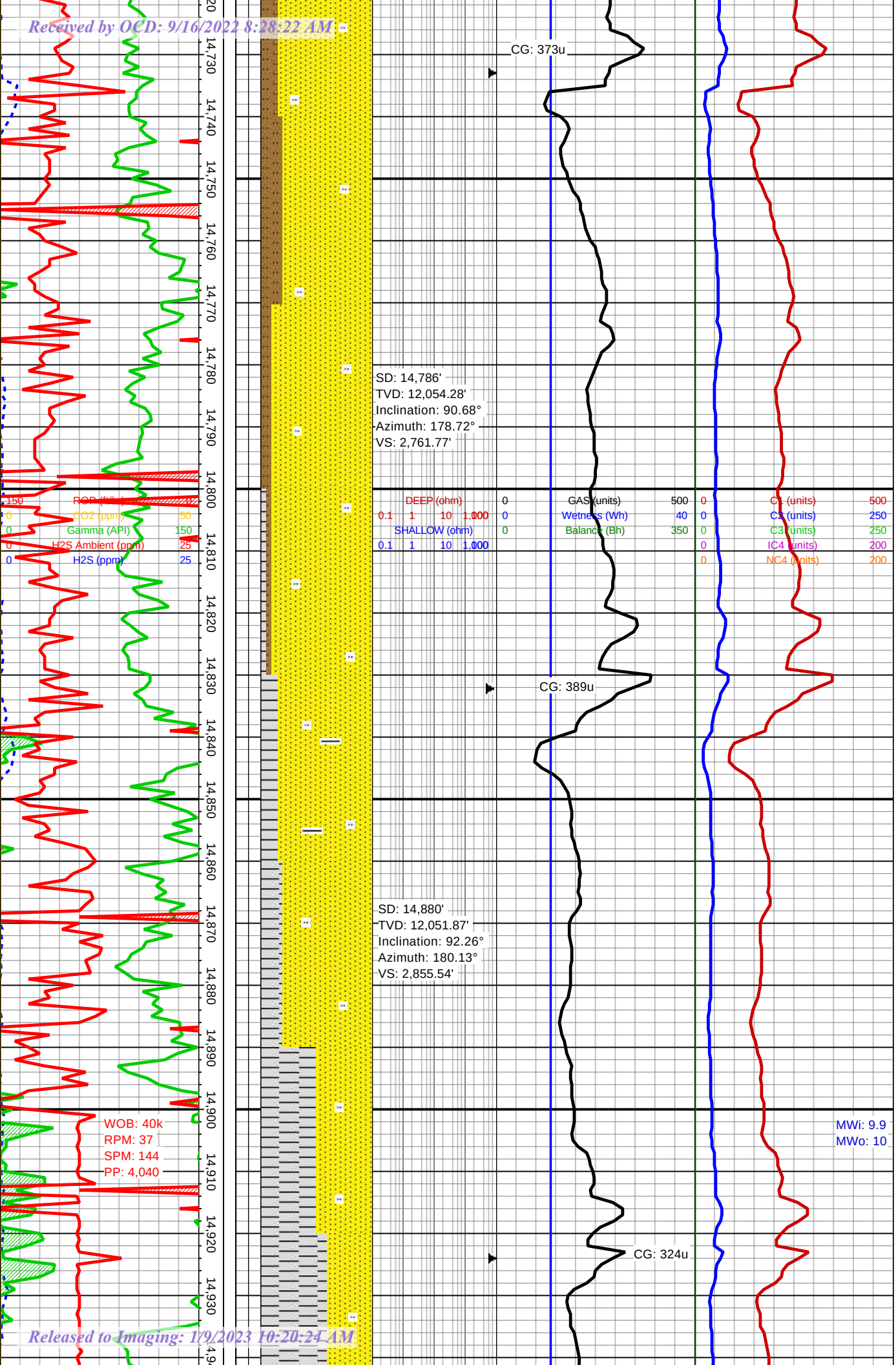

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SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cutSS: dk gry, med gyr, off wht, wht, frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / cly mtrx, sm calc cmt ip, frly srtd, clst spprtd, occ mtrx spprtd, pred slty, occ v/fy pyrc, no vis fluor or wet cut

SH:blk, v/dk gry / blk, chrchl, sblky - blky mod frm - sft/brit, rthy smth - sli rgh txt, dll lstr, slty ip, occ aren incls, tr v/fy pyrc ip, no vis wet cut

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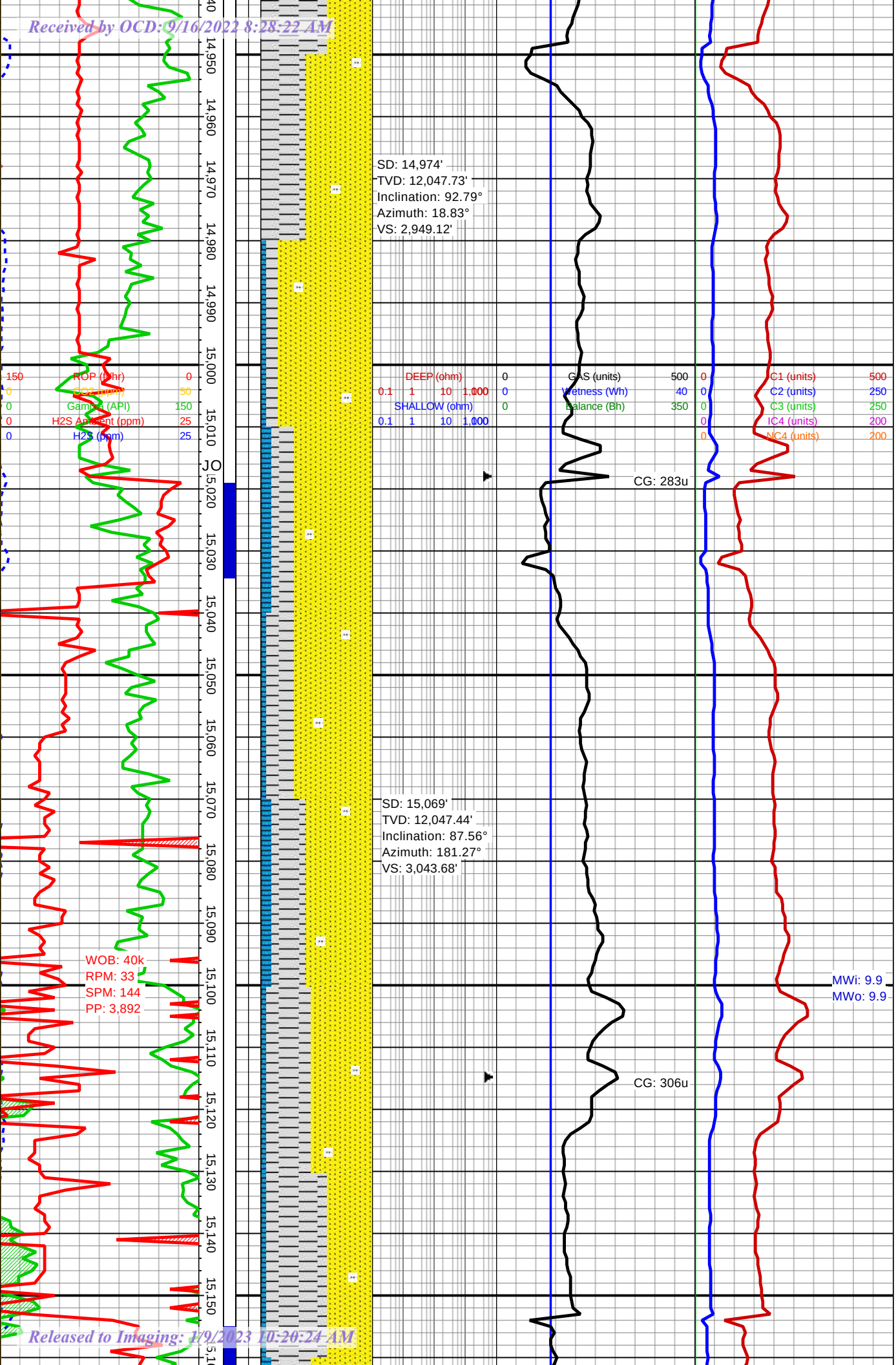

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SS: med gry, dk gry, wht, lt gry, sm frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, frly srtd, clst spprtd, occ v/fy pyrc, sm arg incls ip, no vis fluor or wet cut
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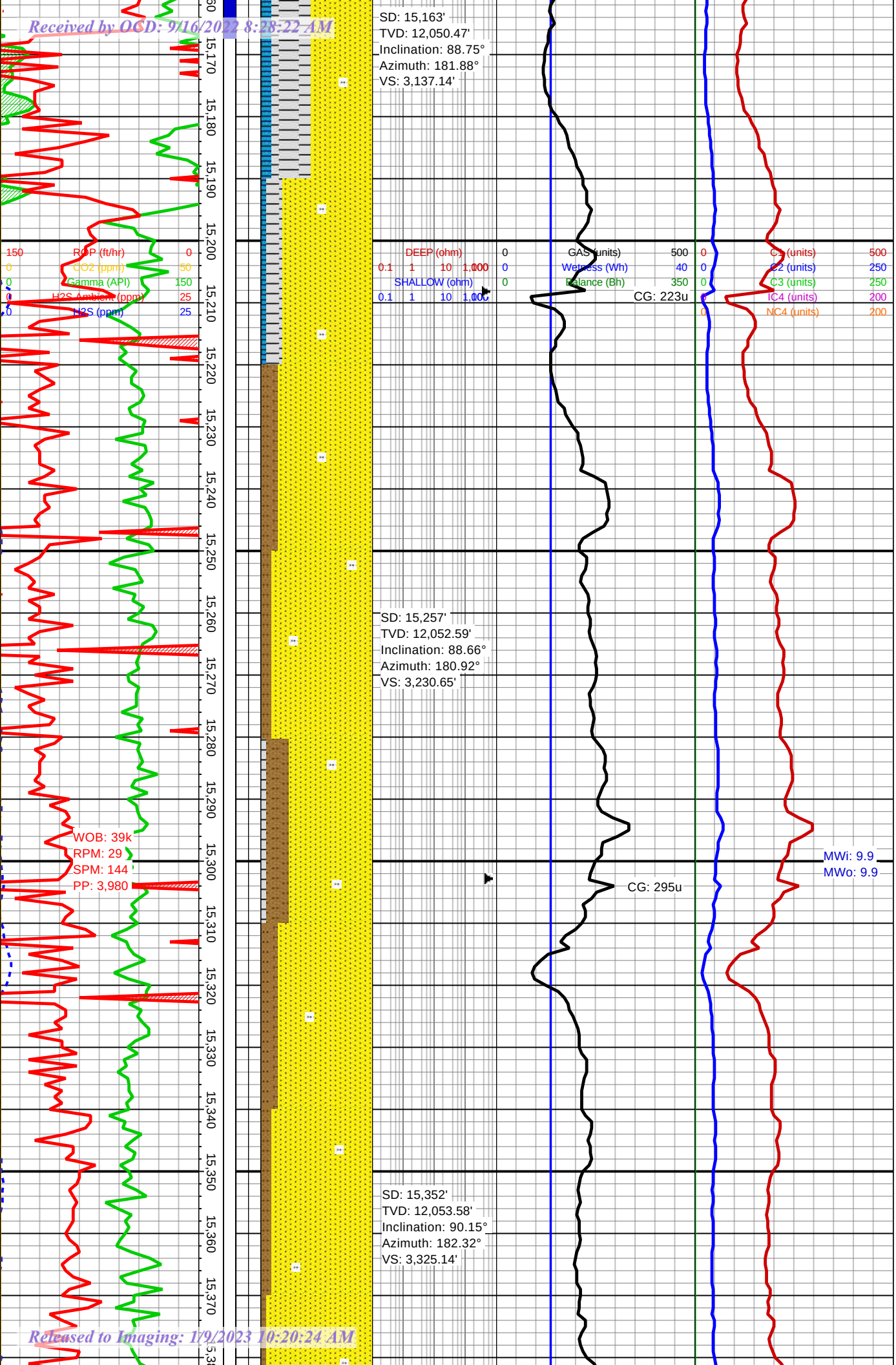

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SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

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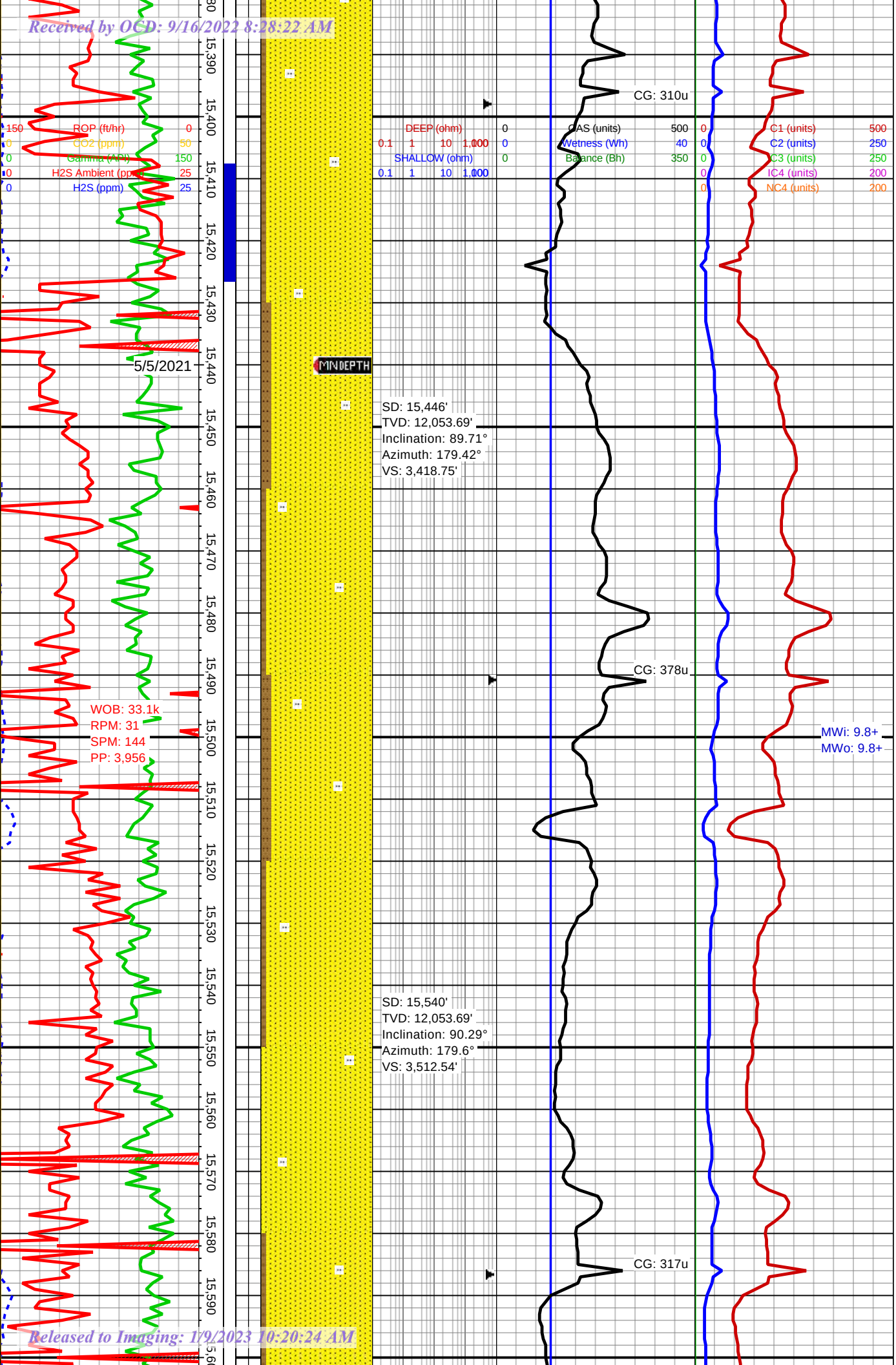

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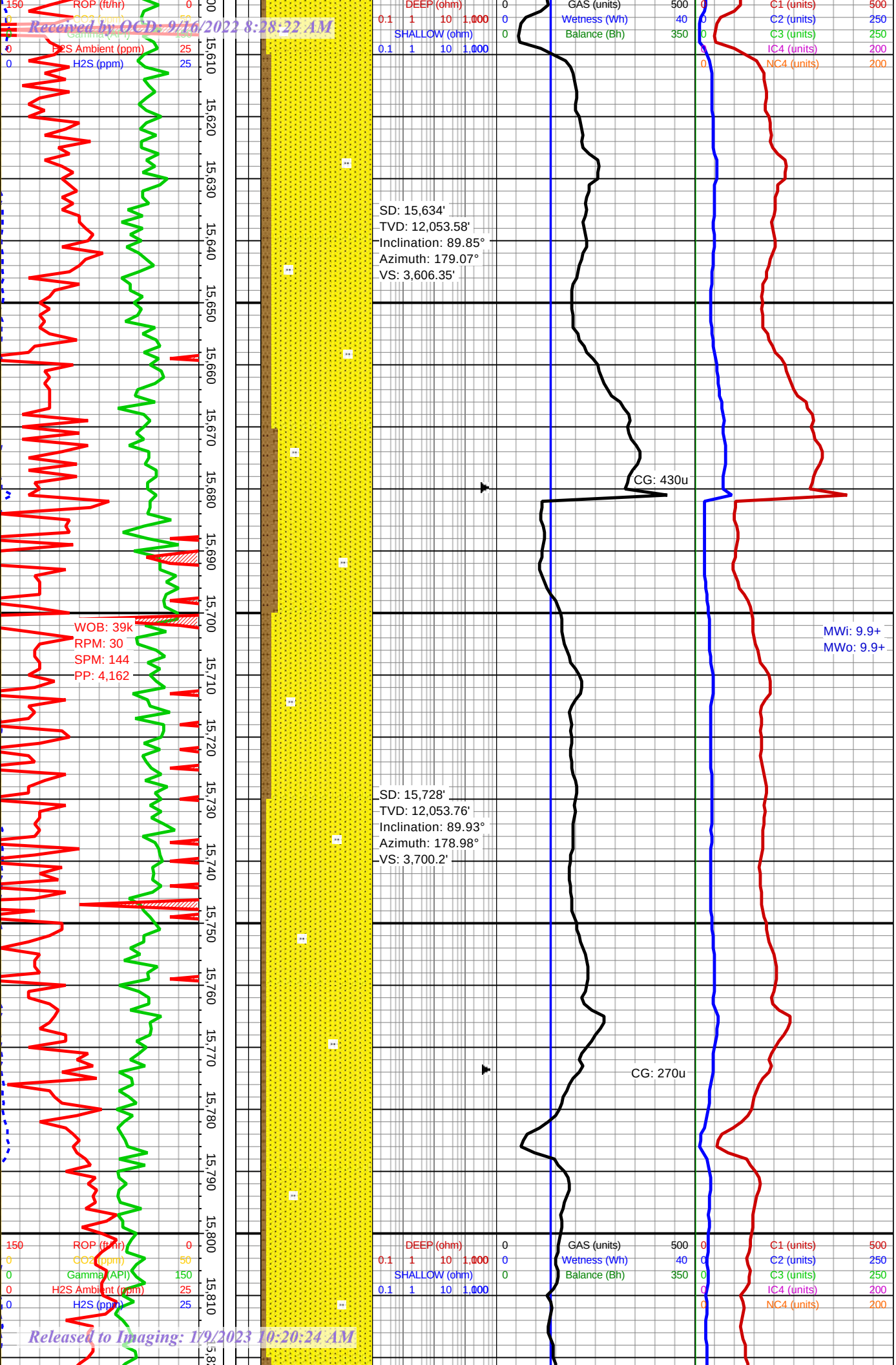

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SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

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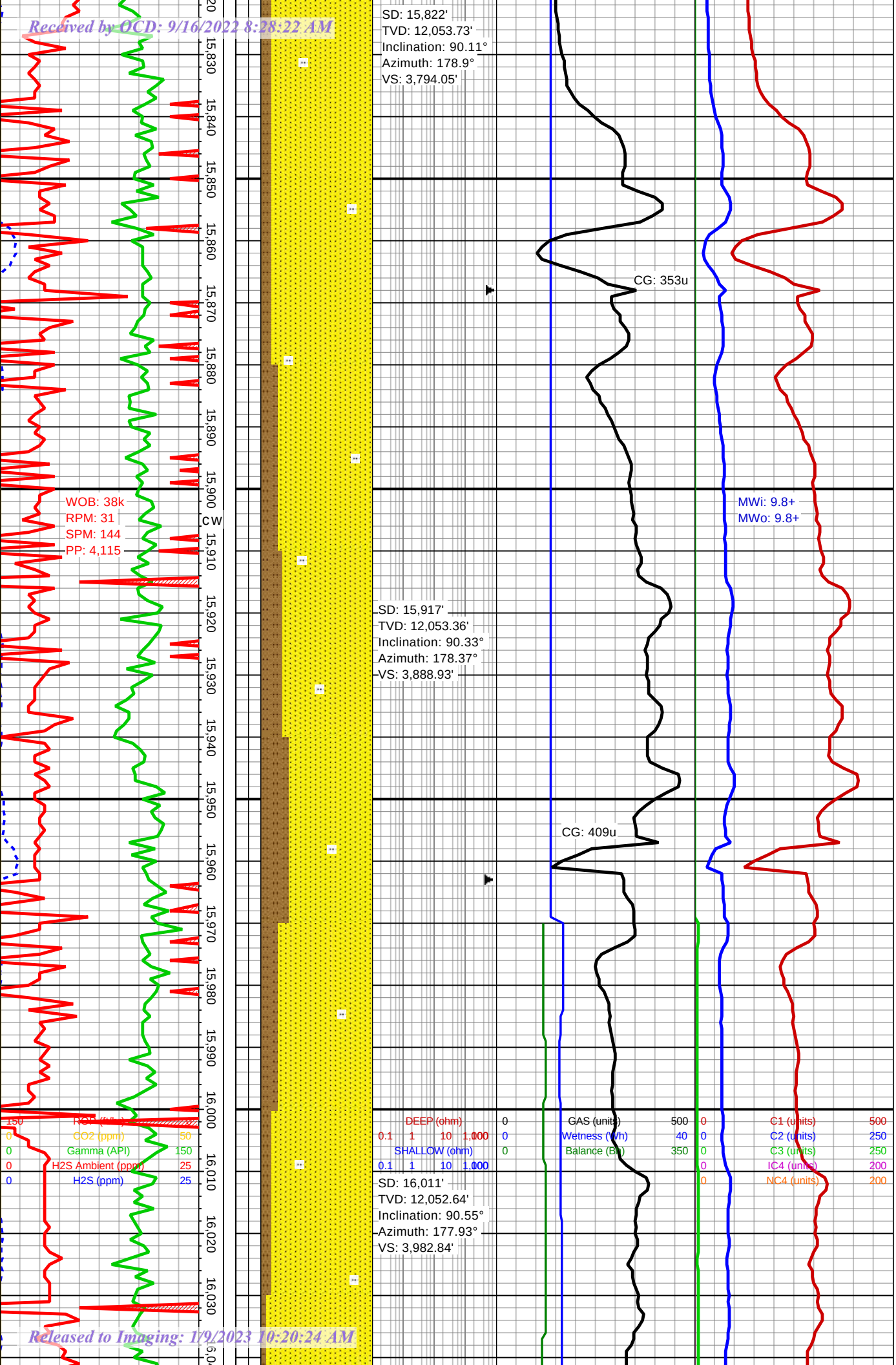

v/fy pyrc, no vis fluor or wet cut

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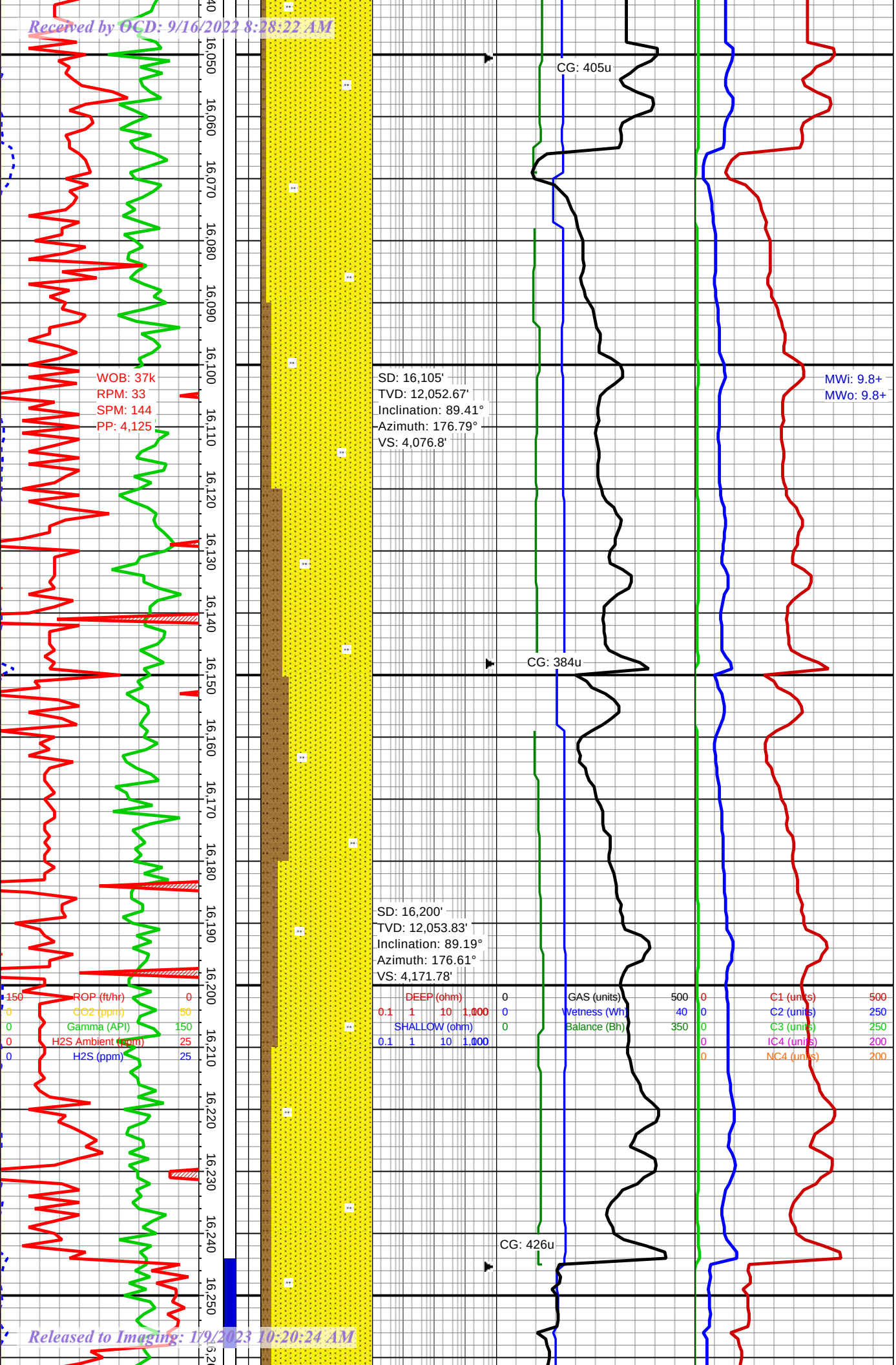

SLT: v/dk gry/ brn, blk brn, sblky-blb, arg incls ip, v/fy pyrc, occ aren incls, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut SS: dk gry, med gry, off wht, lt gry, frstd, v/fn- fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, clst spprtd, pred v/slty, occ calc incls, tr vfy pyrc,no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cutSS: dk gry, med gyr, off wht, wht, frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / cly mtrx, sm calc cmt ip, frly srtd, clst spprtd, occ mtrx spprtd, pred slty, occ v/fy pyrc, no vis fluor or wet cut

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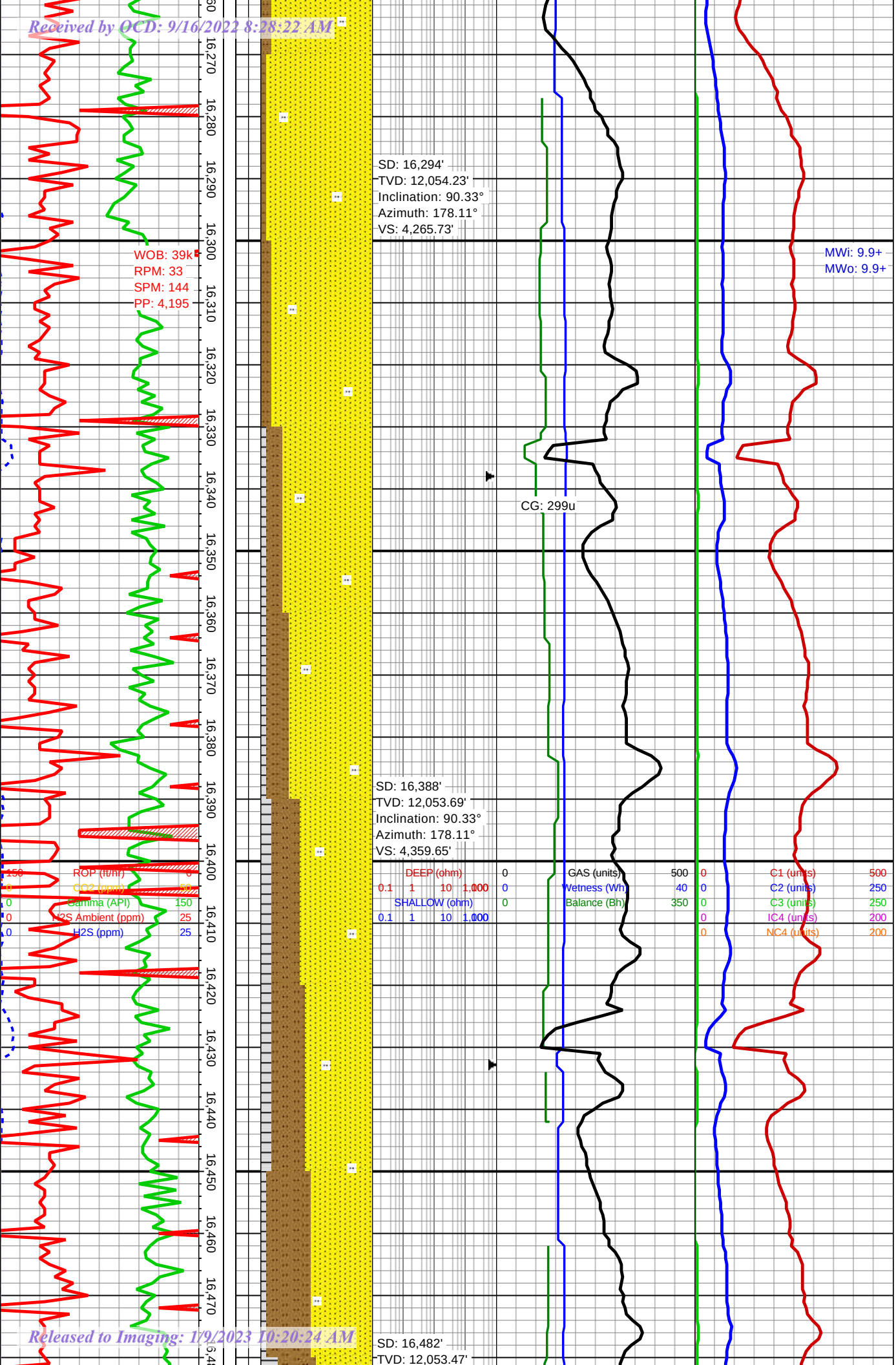

calc incls, tr vfy pyrc no vis fluor or wet cut

SLT: v/dk gry/ brn, blk brn, sblky-tab, arg incls ip, v/fy pyrc, occ aren incls, no vis fluor or wet cut

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SH: blk, v/dk gry / blk, chrchl, sblky - blky, mod frm - sft/brit, rthy sli rgh txt, dll lstr, slty ip, occ aren incls, tr v/fy pyrc, no vis wet cut

SS: dk gry, med gry, off wht, lt gry, frstd, v/fn- fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, clst sppртd, pred v/slty, occ calc incls, tr vfy pyrc,no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SH: blk, v/dk gry / blk, chrchl, sblky - blky, mod frm - sft/brit, rthy

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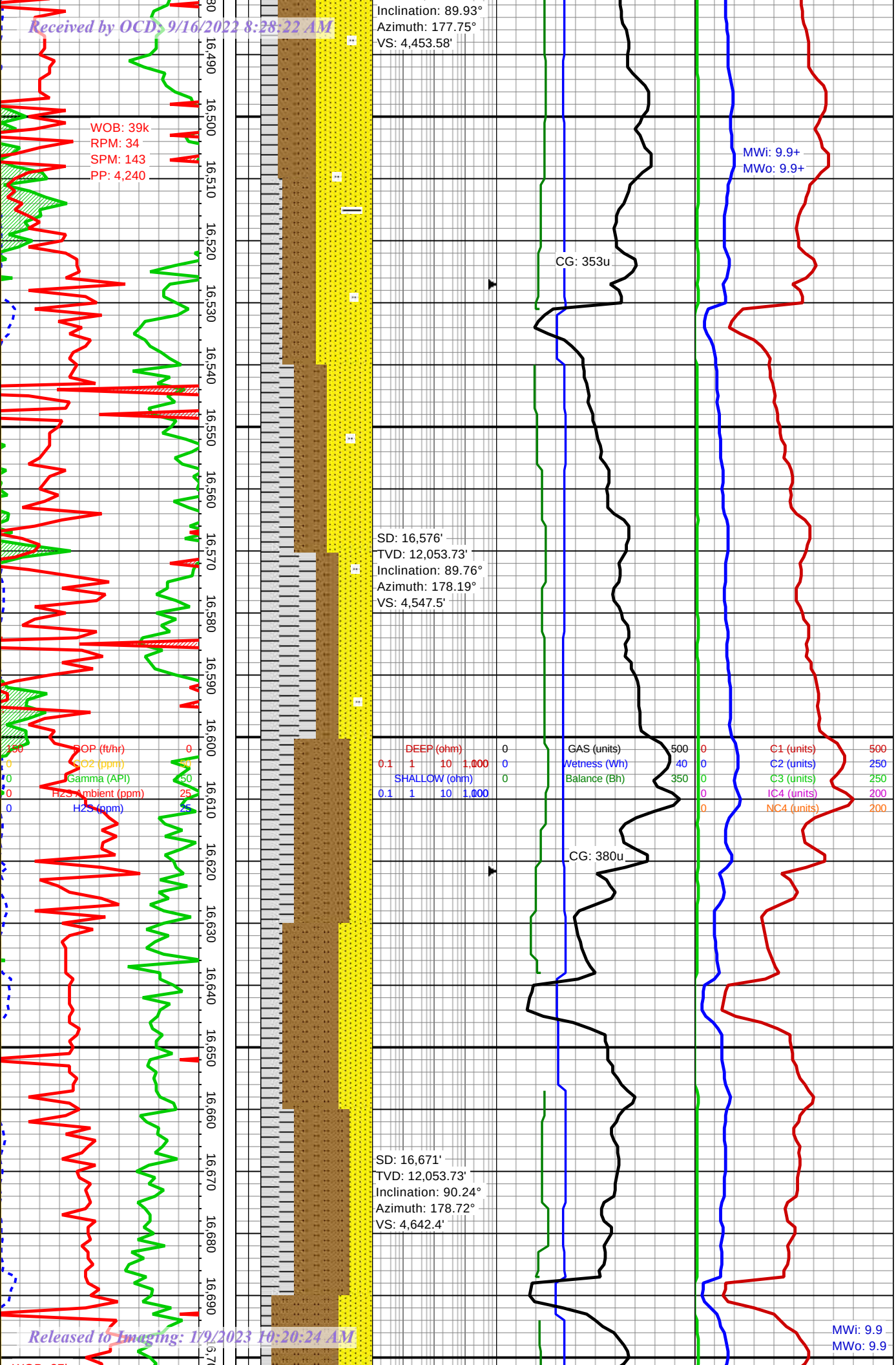

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SS: dk gry, med gry, off wht, lt gry, frstd, v/fn- fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, clst spprtd, pred v/slty, occ calc incls, tr vfy pyrc,no vis fluor or wet cut
SLT: v/dk gry/ brn, blk brn, sblky-tab, arg incls ip, v/fy pyrc, occ aren incls, no vis fluor or wet cut

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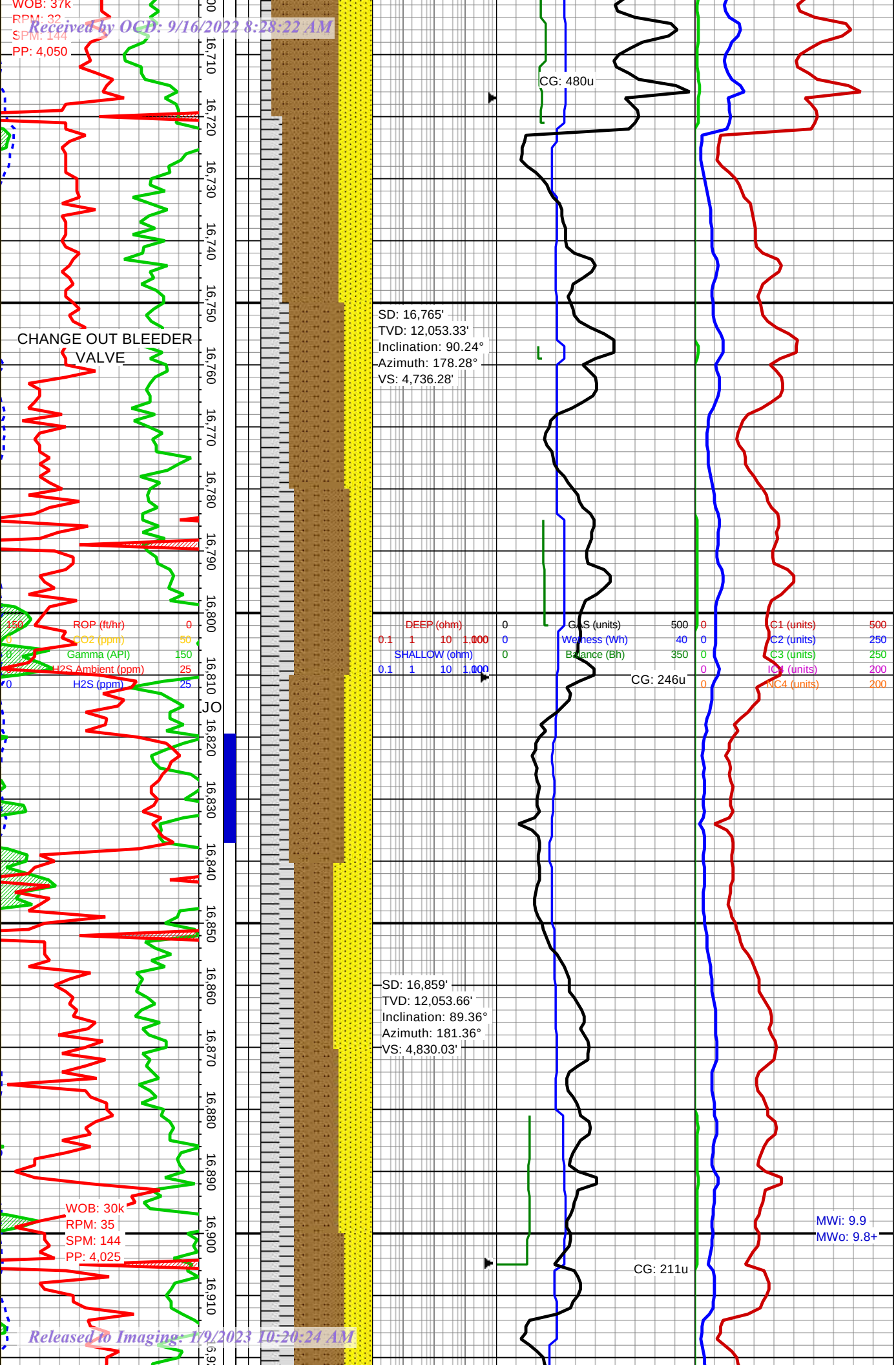

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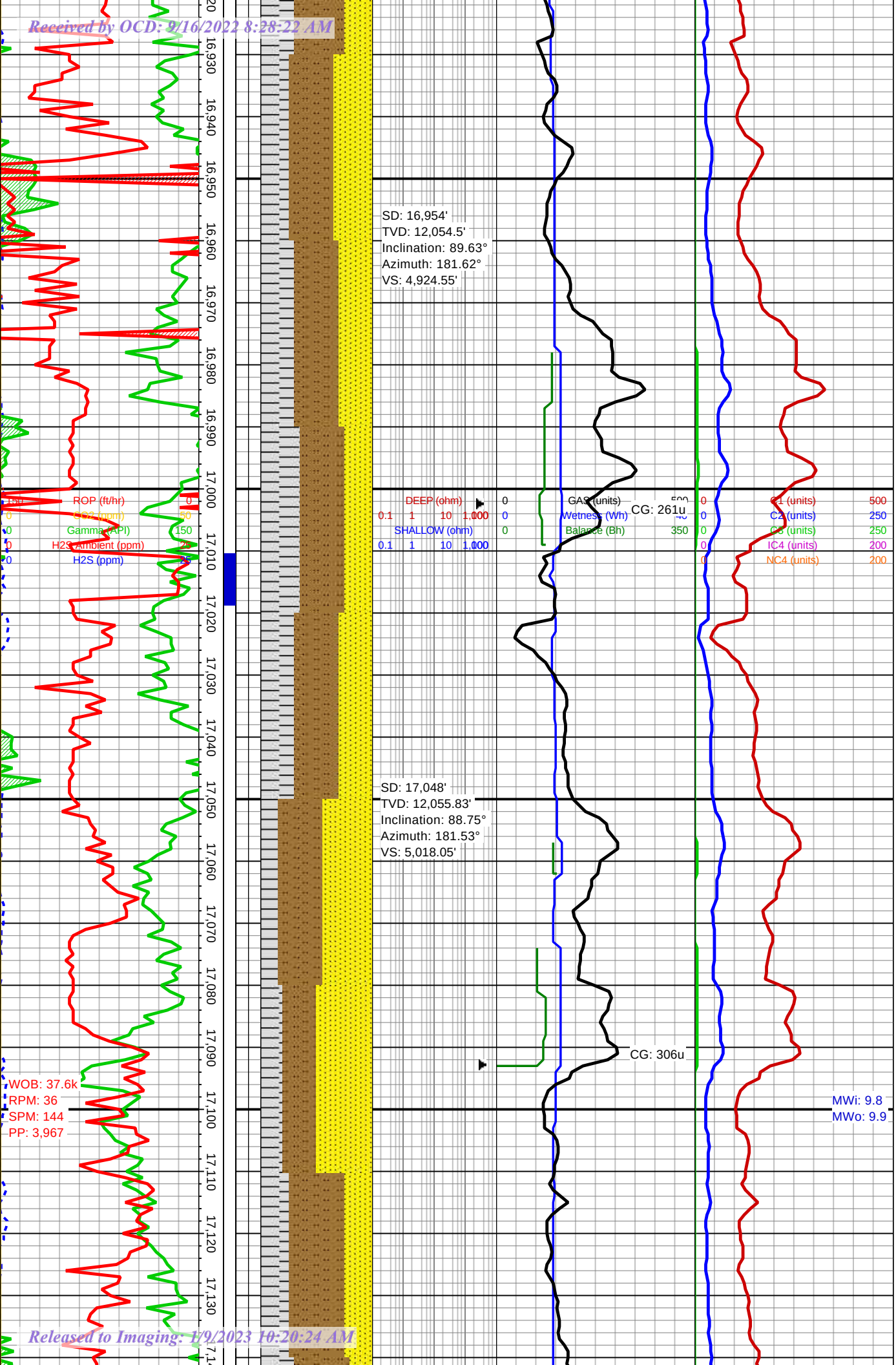

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SLT: v/dk gry/ brn, blk brn, sblky-tab, arg incls ip, v/fy pyrc, occ aren incls, no vis fluor or wet cutSS: med gry, dk gry, wht, lt gry, sm frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, frly srtd, clst spprtd, occ v/fy pyrc, sm arg incls ip, no vis fluor or wet cut

SH: blk, v/dk gry / blk, chrchl, sblky - blky, mod frm - sft/brit, rthy sli rgh txt, dll lstr, slty ip, occ aren incls, tr v/fy pyrc, no vis wet cut SS: med gry, dk gry, wht, lt gry, sm frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, frly srtd, clst spprtd, occ v/fy pyrc, sm arg incls ip, no vis fluor or wet cut

Released to Imaging: 1/9/2023 10:20:24 AM

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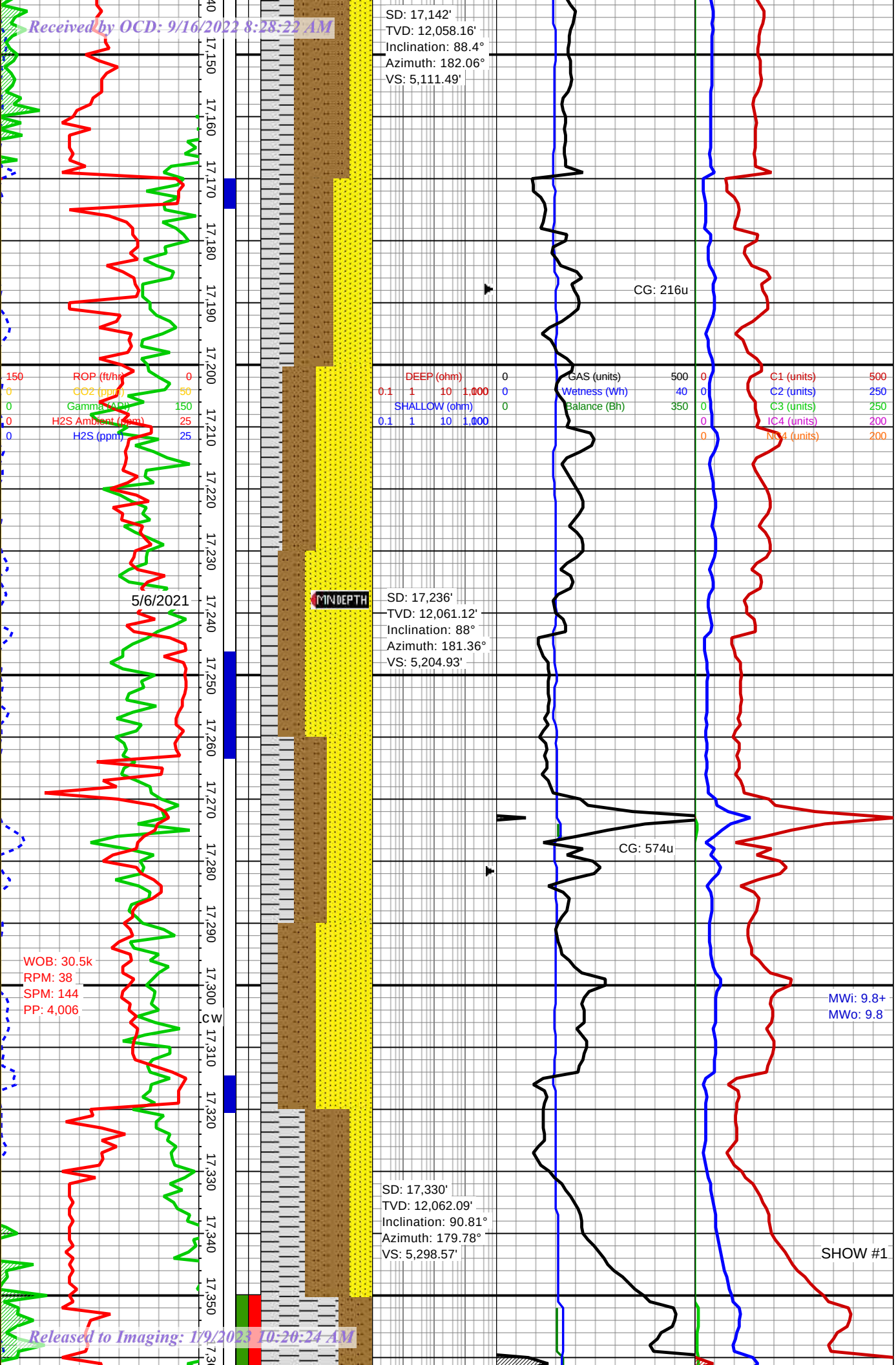

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SS: med gry, dk gry, wht, lt gry, sm frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, frly srtd, clst spprtd, occ v/fy pyrc, sm arg incls ip, no vis fluor or wet cut

SS: dk gry, med gry, off wht, lt gry, frstd, v/fn- fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, clst spprtd, pred v/slty, occ calc incls, tr vfy pyrc,no vis fluor or wet cut

SLT: v/dk gry/ brn, blk brn, sblky-tab, arg incls ip, v/fy pyrc, occ aren incls, no vis fluor or wet cut

SS: med gry, dk gry, wht, lt gry, sm frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, frly srtd, clst spprtd, occ v/fy pyrc, sm arg incls ip, no vis fluor or wet cut

SH: blk, v/dk gry / blk, chrchl, sblky - blky, . mod frm - sft/brit, rthy

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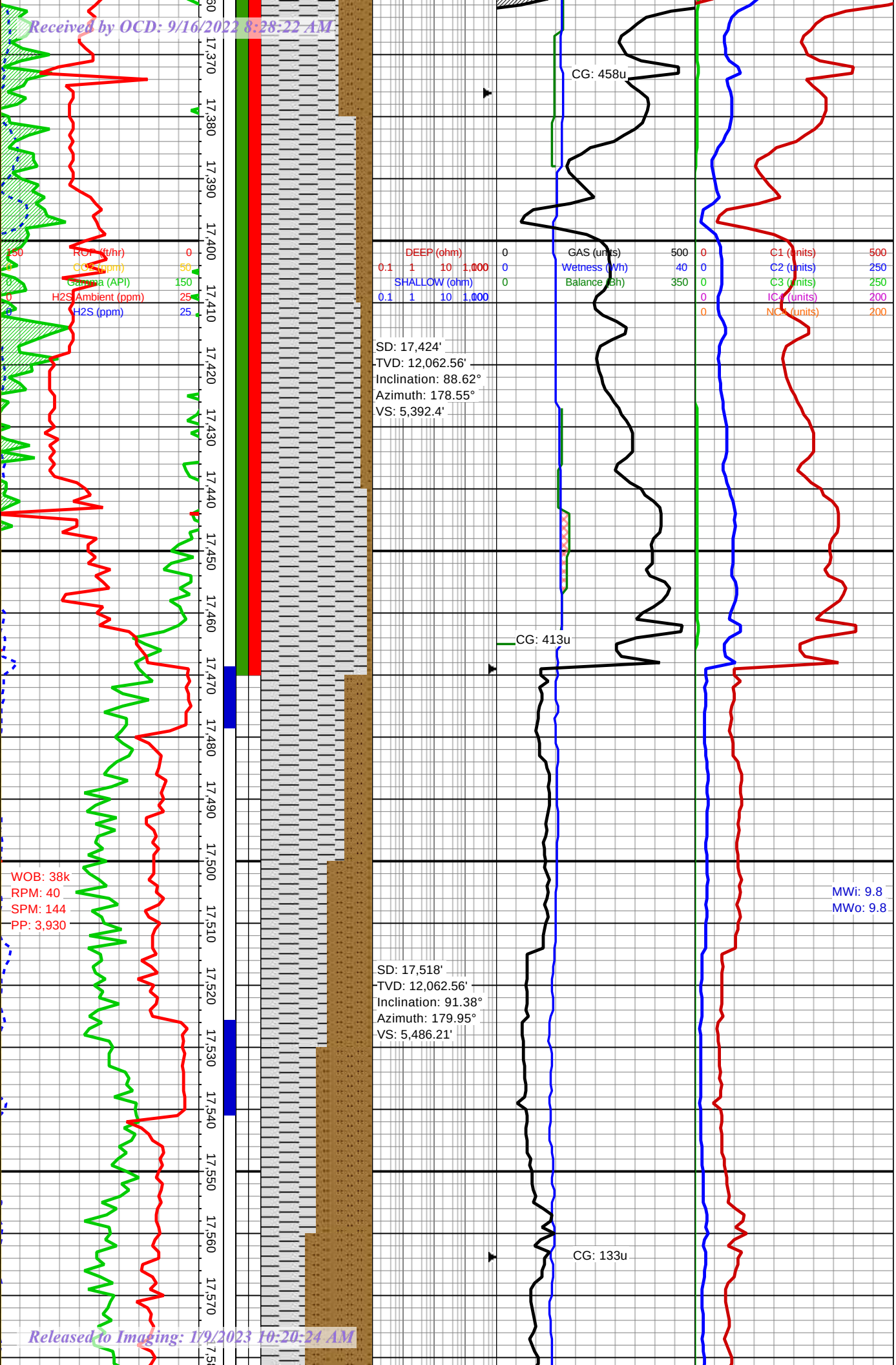

sli rgh txt, dll lstr, slty ip, occ aren incls, tr v/fy pyrc, slw difse w sm sli strmng pl fnt dll yll/grn wet cut, v/dll yll/grn resd rng

SH: blk, v/dk gry / blk, chrchl, sblky - blky, occ tab, sft/brit, tr mod frm, slty ip, occ aren incls, tr v/fy pyrc, sm mic incls ip, pr slw difse w sm sli strmng pl yll/grn wet cut, dll pl yll/grn resd rng

SLT: v/dk gry/ brn, blk brn, sblky-tab, arg incls ip, v/fy pyrc, occ aren incls, no vis fluor or wet cut

SLT: v/dk gry/ brn, blk brn, sblky-tab, arg incls ip, v/fy pyrc, occ aren incls, no vis fluor or wet cutSH: blk, v/dk gry / blk, chrchl, sblky - blky, mod frm - sft/brit occ hrd, rthy sli rgh txt, dll lstr, slty ip, occ aren incls, tr v/fy pyrc,(15-20% v/frm - hrd / ind), no vis wet cut

SH: v/dk gry / blk, chrchl, blk, sblky - blky, mod frm - sft / brit occ hrd, rthy sli rgh txt, dll lstr, slty ip, occ aren incls, tr v/fy pyrc,(20% v/frm - hrd / ind), no vis wet cutSLT: v/dk gry/ brn, blk brn, sblky-tab, arg

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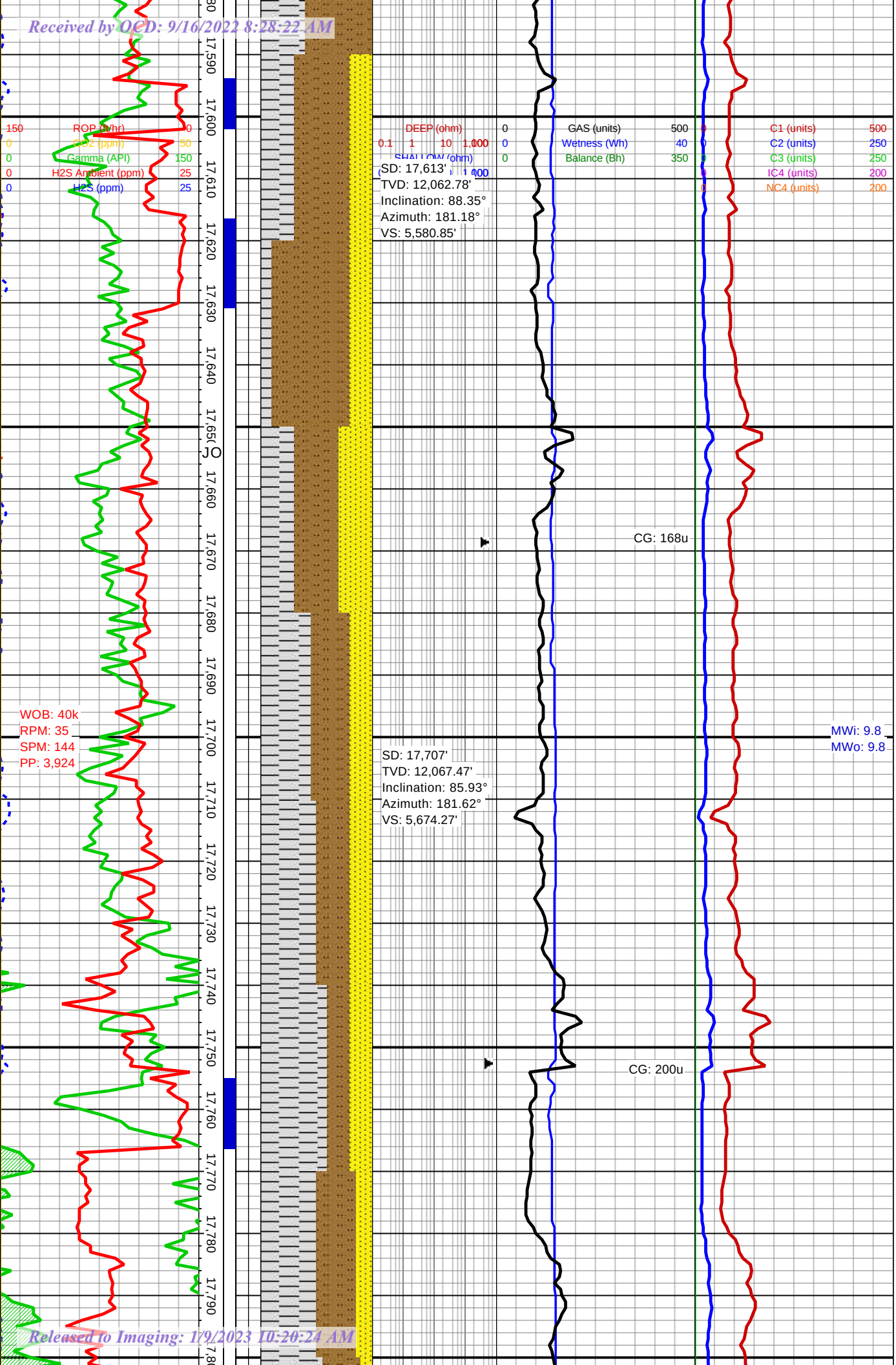

incls ip, v/fy pyrc, occ aren incls, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SS: dk gry, med gry, off wht, lt gry, frstd, v/fn- fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, clst spprtd, pred v/slty, occ calc incls, tr vfy pyrc,no vis fluor or wet cut

SS: dk gry, med gry, off wht, lt gry, frstd, v/fn- fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, clst spprtd, pred v/slty, occ calc incls, tr vfy pyrc,no vis fluor or wet cut

SLT: v/dk gry/ brn, blk brn, sblky-tab, arg incls ip, v/fy pyrc, occ aren incls, no vis fluor or wet cut

SH: v/dk gry / blk, chrchl, blk, sblky - blky, mod frm - sft / brit occ hrd, rthy sli rgh txt, dll lstr, slty ip, occ aren incls, tr v/fy pyrc,(20% v/frm - hrd / ind), no vis wet cutSLT: v/dk gry/ brn, blk brn, sblky-tab, arg incls ip, v/fy pyrc, occ aren incls, no vis fluor or wet cut

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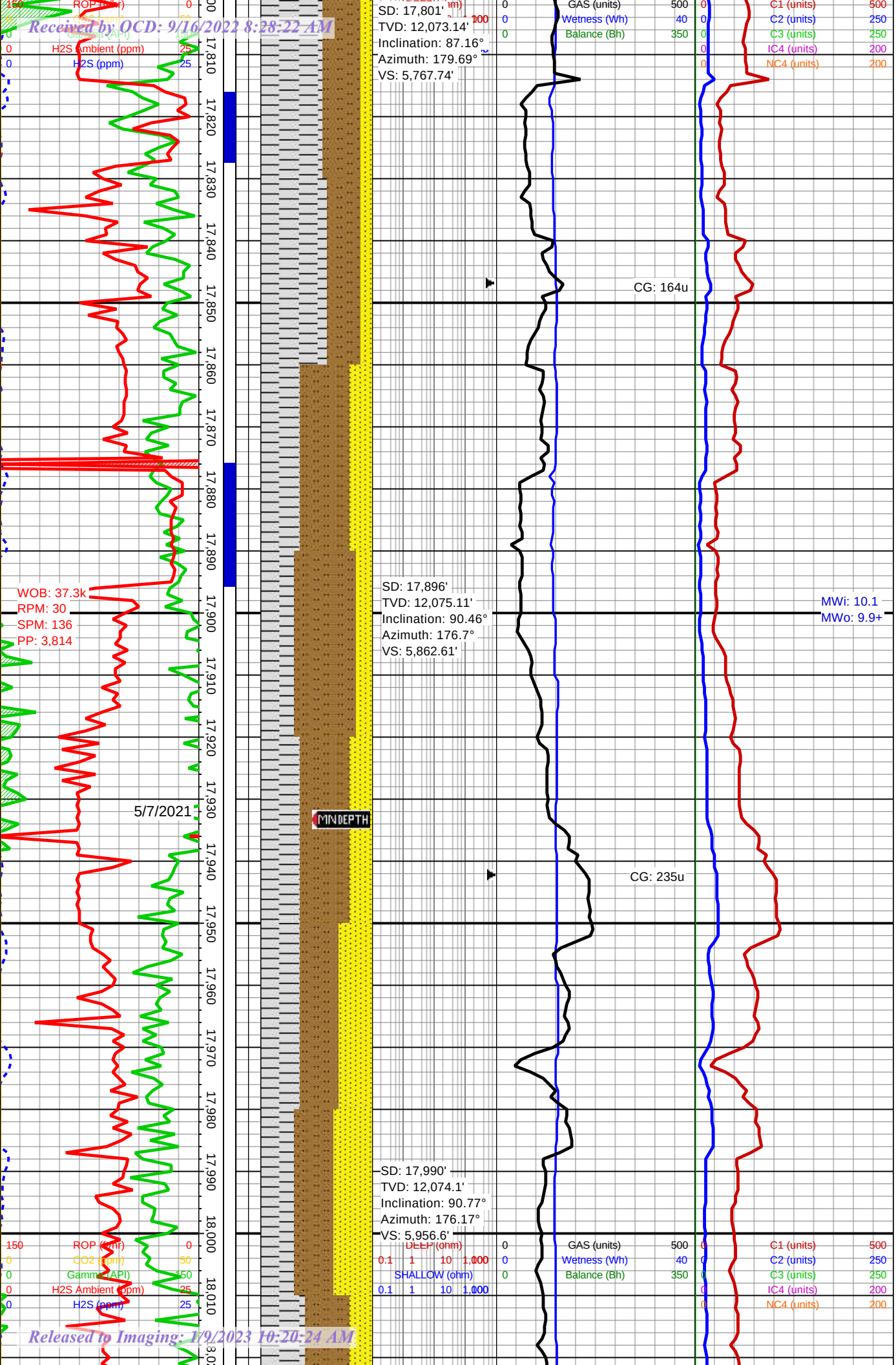

SH: v/dk gry / blk, chrchl, blk, sblky - blky, mod frm - sft / brit occ hrd, rthy sli rgh txt, dll lstr, slty ip, occ aren incls, tr v/fy pyrc,(20% v/frm - hrd / ind), no vis wet cutSLT: v/dk gry/ brn, blk brn, sblky-tab, arg incls ip, v/fy pyrc, occ aren incls, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut SS: dk gry, med gry, off wht, lt gry, frstd, v/fn- fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, clst spprtd, pred v/slty, occ calc incls, tr vfy pyrc,no vis fluor or wet cut

SH: v/dk gry / blk, chrchl, blk, sblky - blky, mod frm - sft / brit occ hrd, rthy sli rgh txt, dll lstr, slty ip, occ aren incls, tr v/fy pyrc,(20% v/frm - hrd / ind), no vis wet cutSLT: v/dk gry/ brn, blk brn, sblky-tab, arg incls ip, v/fy pyrc, occ aren incls, no vis fluor or wet cut

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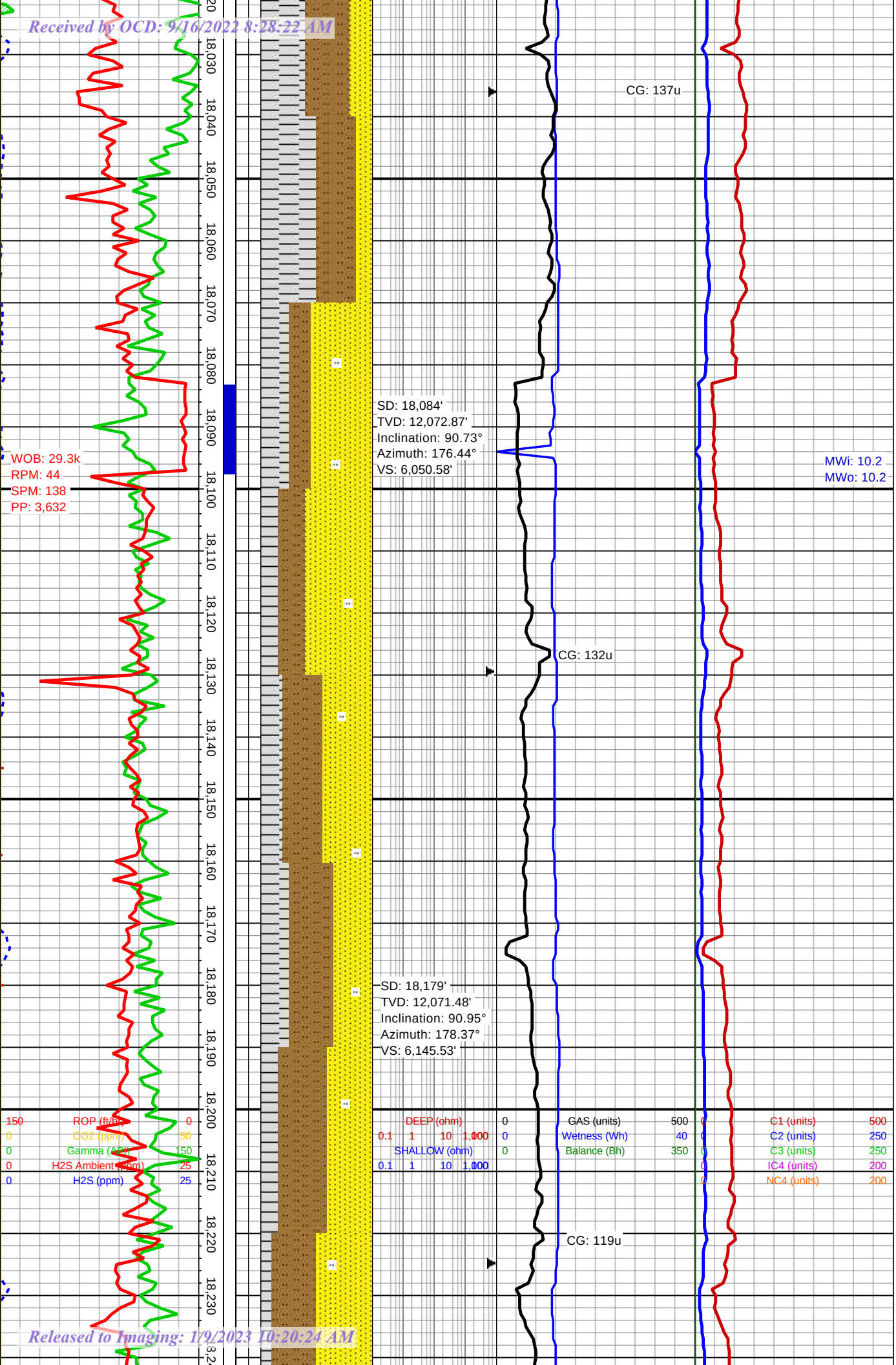

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut
SS: dk gry, med gry, off wht, lt gry, frstd, v/fn- fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, clst spprtd, pred v/slty, occ calc incls, tr vfy pyrc,no vis fluor or wet cut

SS: dk gry, med gry, off wht, lt gry, frstd, v/fn- fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, clst spprtd, pred v/slty, occ calc incls, tr vfy pyrc,no vis fluor or wet cut
SLT: v/dk gry/ brn, blk brn, sblky-tab, arg incls ip, v/fy pyrc, occ aren incls, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut
SS: dk gry, med gry, off wht, lt gry, frstd, v/fn- fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, clst spprtd, pred v/slty, occ calc incls, tr vfy pyrc,no vis fluor or wet cut

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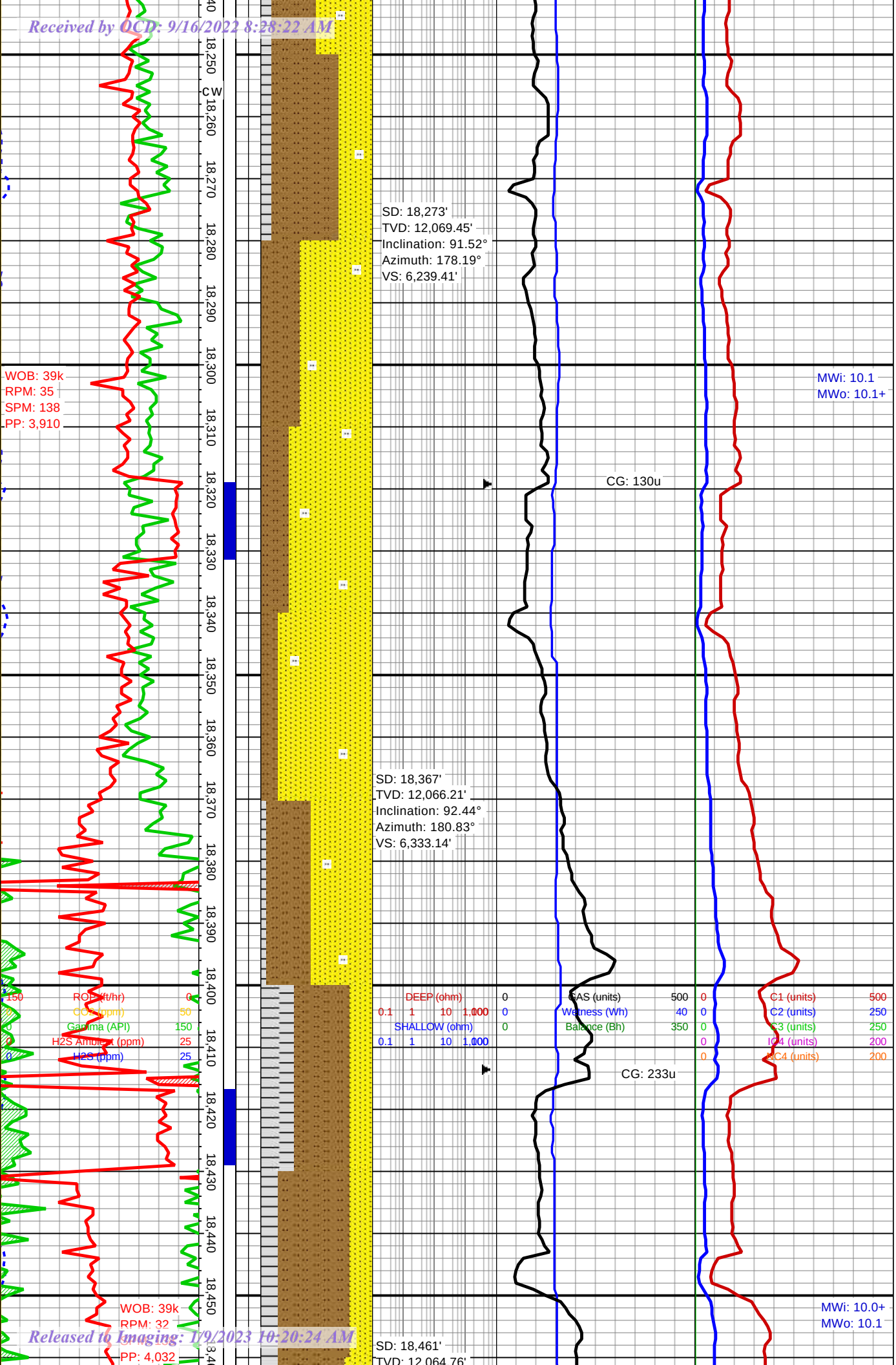

SH: blk, v/dk gry / blk, chrchl, sblky - blky, mod frm - sft/brit, rthy sli rgh txt, dll lstr, slty ip, occ aren incls, tr v/fy pyrc, no vis wet cut

SS: med gry, dk gry, wht, lt gry, sm frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, frly srtd, clst spprtd, occ v/fy pyrc, sm arg incls ip, no vis fluor or wet cut

SS: med gry, dk gry, wht, lt gry, sm frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, frly srtd, clst spprtd, occ v/fy pyrc, sm arg incls ip, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SS: dk gry, med gry, off wht, lt gry, frstd, v/fn- fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, clst spprtd, pred v/slty, occ calc incls, tr vfy pyrc,no vis fluor or wet cut

SH: blk, v/dk gry / blk, chrchl, sblky - blky, mod frm - sft/brit, rthy sli rgh txt, dll lstr, occ v/slty, sm aren incls, tr v/fy pyrc, no vis wet cut

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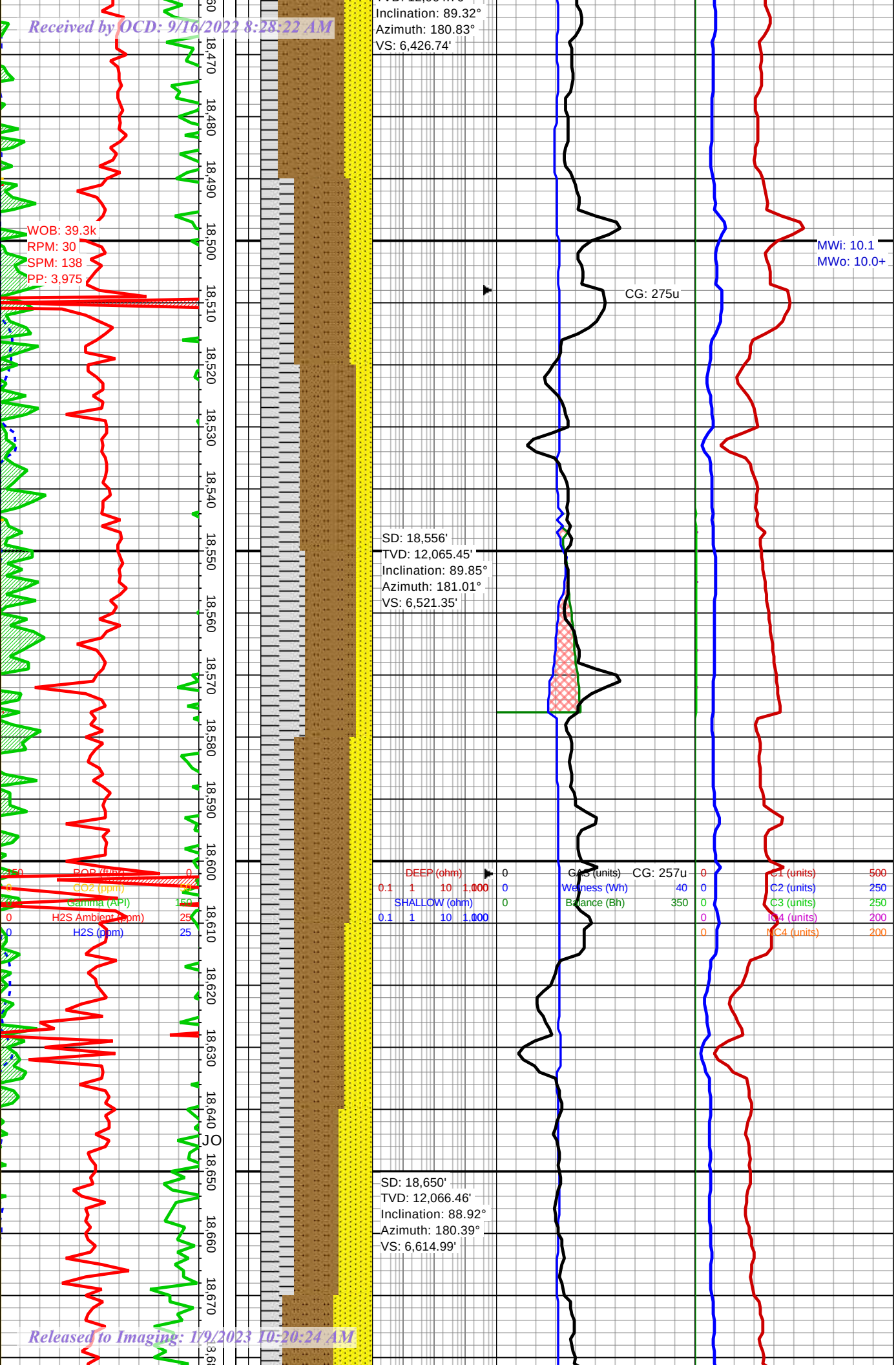

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut
SS: med gry, dk gry, wht, lt gry, sm frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, frly srtd, clst spprtd, occ v/fy pyrc, sm arg incls ip, no vis fluor or wet cut

SH: blk, v/dk gry / blk, chrchl, sblky - blky, mod frm - sft/brit, rthy sli rgh txt, dll lstr, slty ip, occ aren incls, tr v/fy pyrc, no vis wet cut
SS: med gry, dk gry, wht, lt gry, sm frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, frly srtd, clst spprtd, occ v/fy pyrc, sm arg incls ip, no vis fluor or wet cut

SH: blk, v/dk gry / blk, chrchl, sblky - blky, mod frm - sft/brit, rthy sli rgh txt, dll lstr, slty ip, occ aren incls, tr v/fy pyrc, no vis wet cut
SS: med gry, dk gry, wht, lt gry, sm frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, frly

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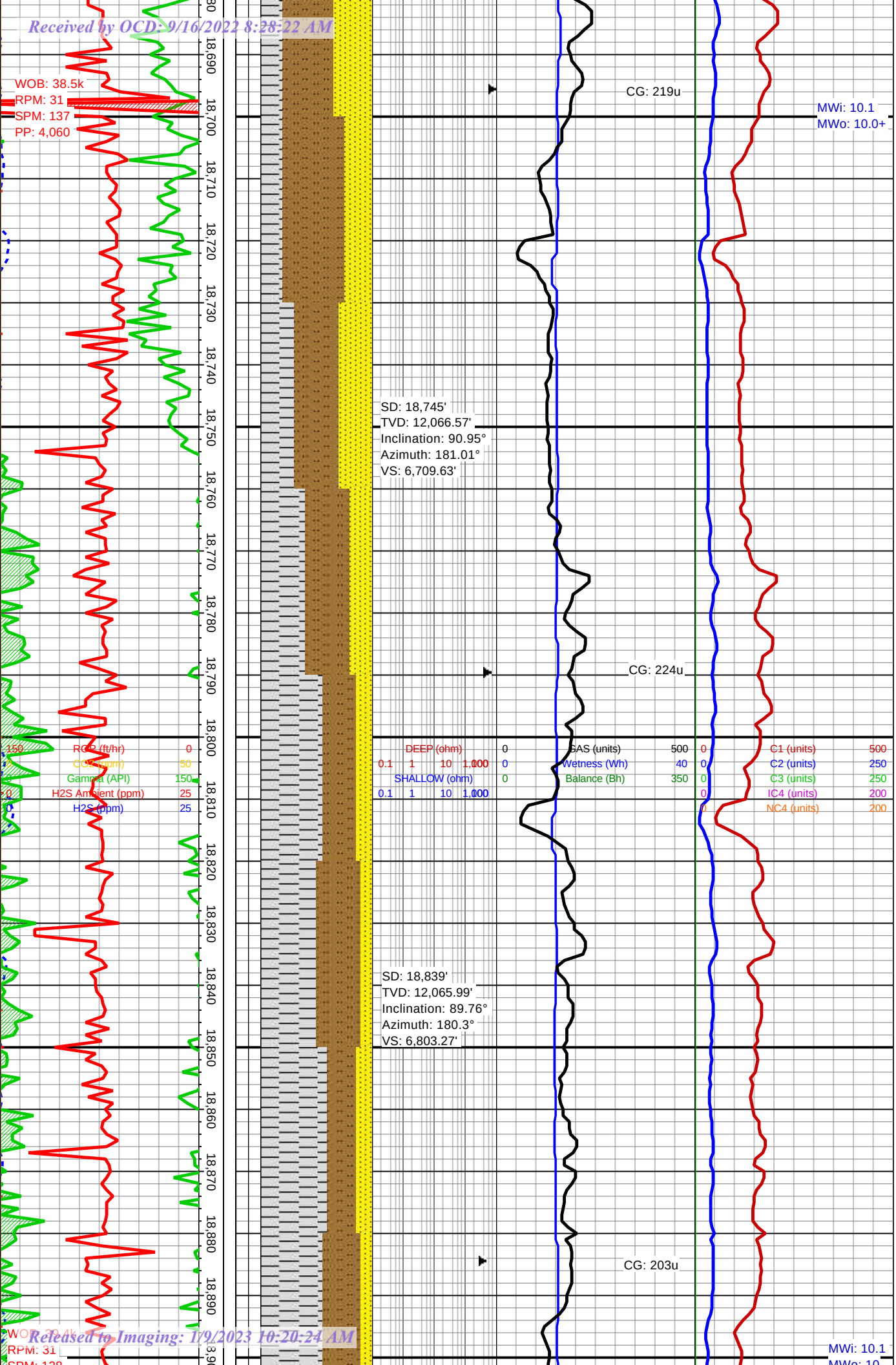

srtd, clst spprtd, occ v/fy pyrc, sm arg incls ip, no vis fluor or wet cut

SH: blk, v/dk gry / blk, chrchl, sblky - blky, mod frm - sft/brit, rthy sli rgh txt, dll lstr, slty ip, occ aren incls, tr v/fy pyrc, no vis wet cut
SS: med gry, dk gry, wht, lt gry, sm frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, frly srtd, clst spprtd, occ v/fy pyrc, sm arg incls ip, no vis fluor or wet cut

SH: blk, v/dk gry / blk, chrchl, sblky - blky, mod frm - sft/brit, rthy sli rgh txt, dll lstr, slty ip, occ aren incls, tr v/fy pyrc, no vis wet cut
SS: med gry, dk gry, wht, lt gry, sm frstd, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, frly srtd, clst spprtd, occ v/fy pyrc, sm arg incls ip, no vis fluor or wet cut

SH: blk, v/dk gry / blk, chrchl, sblky - blky, mod frm - sft/brit, rthy sli rgh txt, dll lstr, slty ip, occ aren incls, tr v/fy

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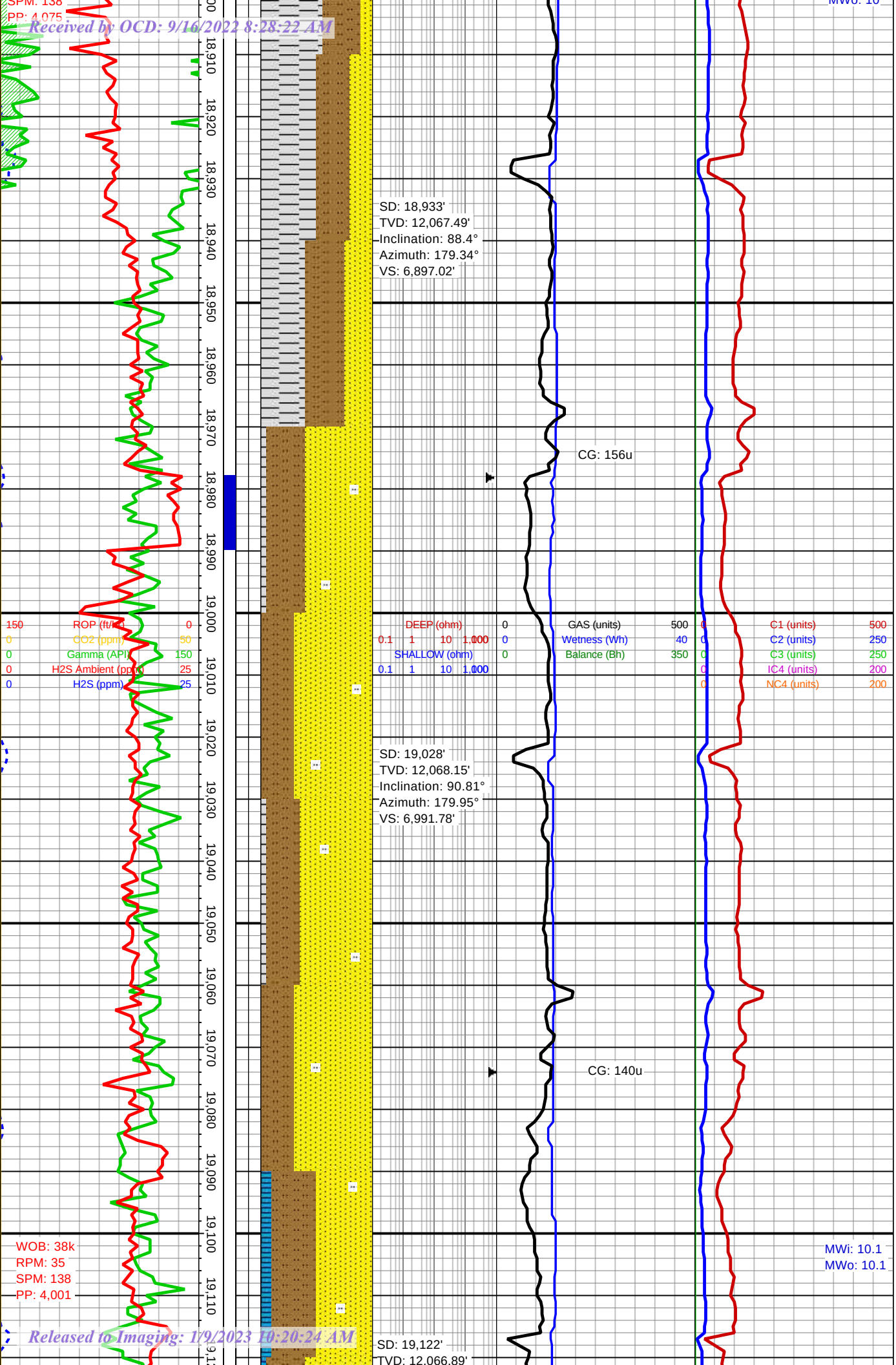

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SS: dk gry, med gry, off wht, lt gry, frstd, v/fn- fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, clst spprtd, pred v/slty, occ calc incls, tr vfy pyrc,no vis fluor or wet cut
SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SS: med gyr, dk gry, lt gry, v/fn - fn gr, sbrndd - rndd, cnsld, frly cmtnd, pred slty / calc mtrx, frly srtd, mtrx spprtd, pred slty, occ arg incls, tr vfy pyrc, no vis fluor or wet cut
SLT: brn, dk brn / gry, sblky - blky, occ tab, mod frm - sft/brit, abndt arg incls, tr v/fy pyrc, abndt aren incls, no vis fluor or wet cut

LS:lt gry, off wht, med gry, mott ip, v/fn - mic xln, mod dns, frm -

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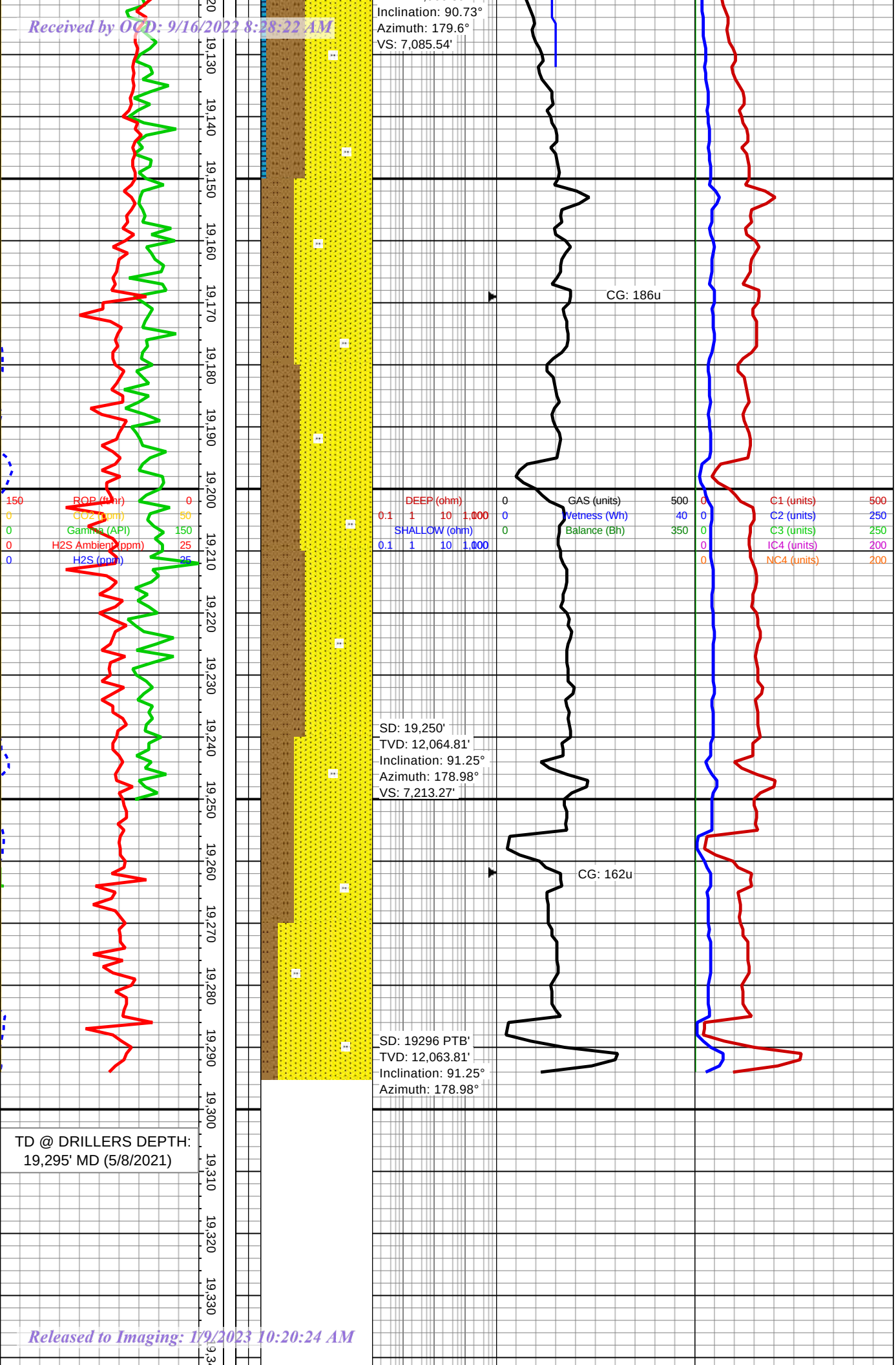

mod frm, brit, slty ip, tr slty/arena incls, tr vfy pyrc, no vis fluor or wet cut

SS: med gry, dk gry, off wht, frst ip, v/fn - fn gr, sbrndd - rndd, cnlsd, frly cmtnd, pred slty / calc mtrx, frly srtd, clst sppртd, pred v/slty, occ arg incls, no vis fluor or wet cut

SS: dk gry, med gry, off wht, lt gry, frstd, v/fn- fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc mtrx, sm cly cmnt ip, mod srtd, clst sppртd, pred v/slty, occ calc incls, tr vfy pyrc,no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

SS:lt gry, off wht, med gry, dk gry, v/fn-fn gr, sbrndd - rndd, cnsld, frly cmntd, pred slty / calc cmnt, frly srtd, clst sppртd, slty ip, occ v/fnly pyrtc, no vis fluor or wet cut

SLT:med gry, dk gry, v/fn gr, sblky - blky, occ aren incls, v/fy pyrc ip, no vis fluor or wet cut

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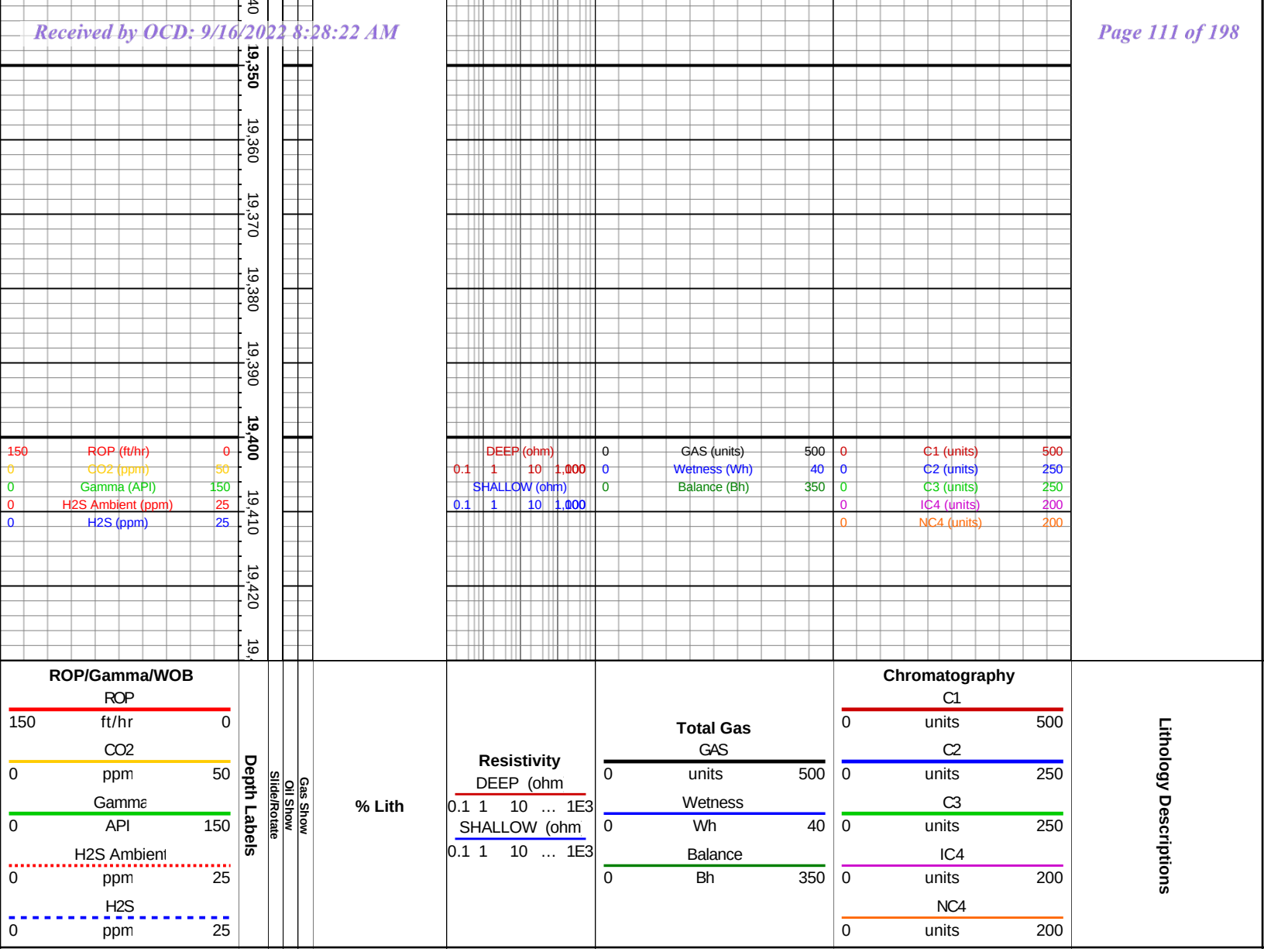


ROP/Gamma/WOB

ROP
150 ft/hr 0

CO2
0 ppm 50

Gamma
0 API 150

H2S Ambient
0 ppm 25

H2S
0 ppm 25

Depth Labels

Slide/Rotate

Oil Show

Gas Show

% Lith

Resistivity

DEEP (ohm
0.1 1 10 … 1E3

SHALLOW (ohm
0.1 1 10 … 1E3

Total Gas

GAS
0 units 500

Wetness
0 Wh 40

Balance
0 Bh 350

Chromatography

C1
0 units 500

C2
0 units 250

C3
0 units 250

IC4
0 units 200

NC4
0 units 200

Lithology Descriptions

VERTEX DOWNHOLE

Scale 5" : 100' - MD
05/08/2021 05:00 AM

VERTEX DOWNHOLE

Oper. Company:	Caza Petro.	**State:**	New Mexico
Well:	Comanche 25-36 State Fed Com 4H	**County:**	Lea
Field:	Permian	**Country:**	US
Rig:	Citadel 4	**Location:**	Jal, NM
Well ID:	30-025-47452	**Start Date:**	2021-02-01
Job Number:	AEP 21006 V53	**End Date:**	2021-02-01

Latitude:	32.02050° N	**Elev KB:**	2969.60
Longitude:	103.31728° W	**Elev DF:**	
		Elev GL:	

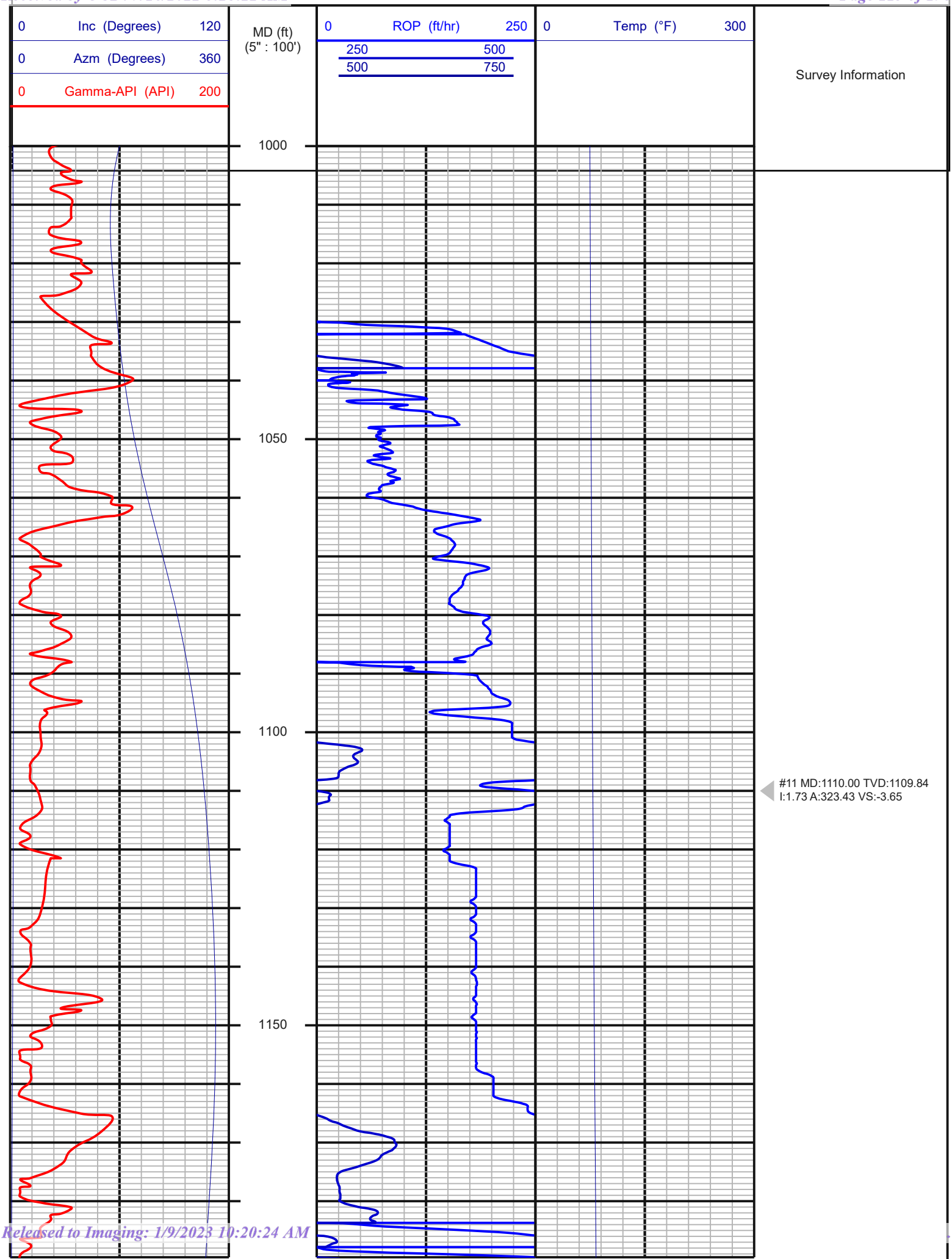
Operator 1: **Operator 2:**

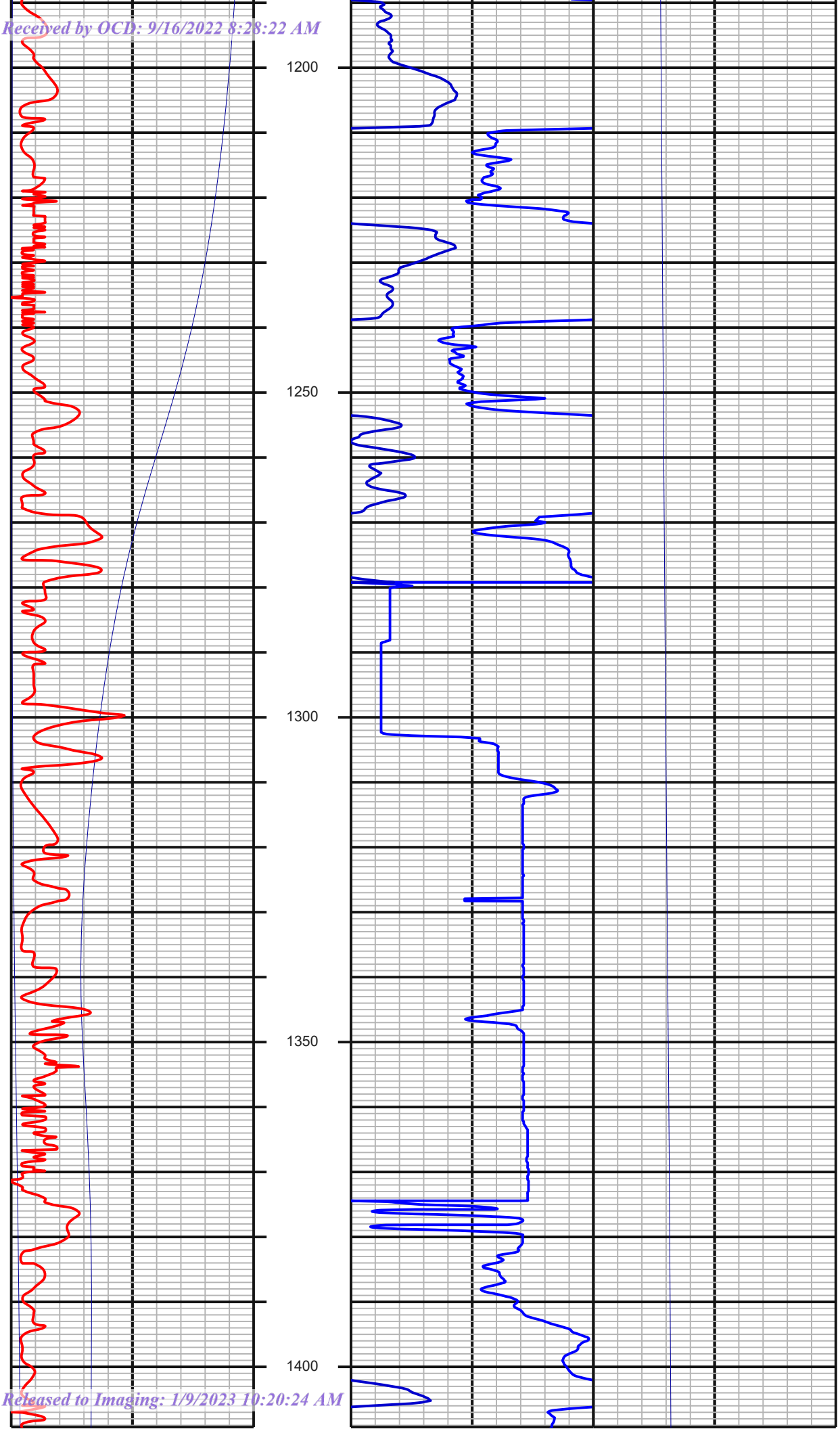
Run Data

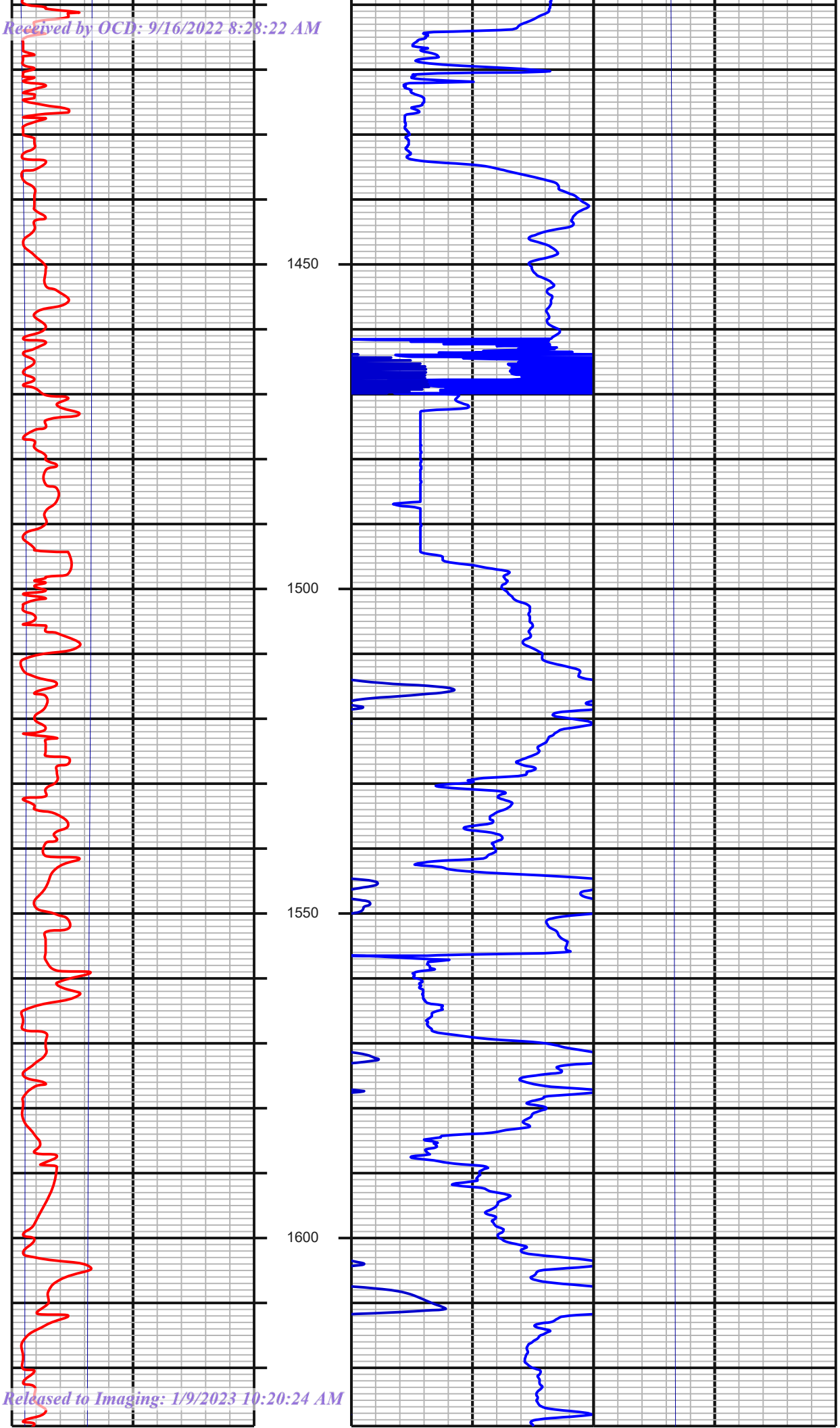
Run No	1	2	3	4	5	6
Tool S/N						
Bit Size						
Cal Factor						
Survey Offset						
Gamma Offset						
Resistivity Offset						
Start Depth						
Start Date						
Start Time						
End Depth						
End Date						
End Time						
Mud Type						
Mud Weight						
Funnel Viscosity						
Plastic Viscosity						
Yield Point						
Gel Strength						
Solids Content						
Chlorides						
Temperature						

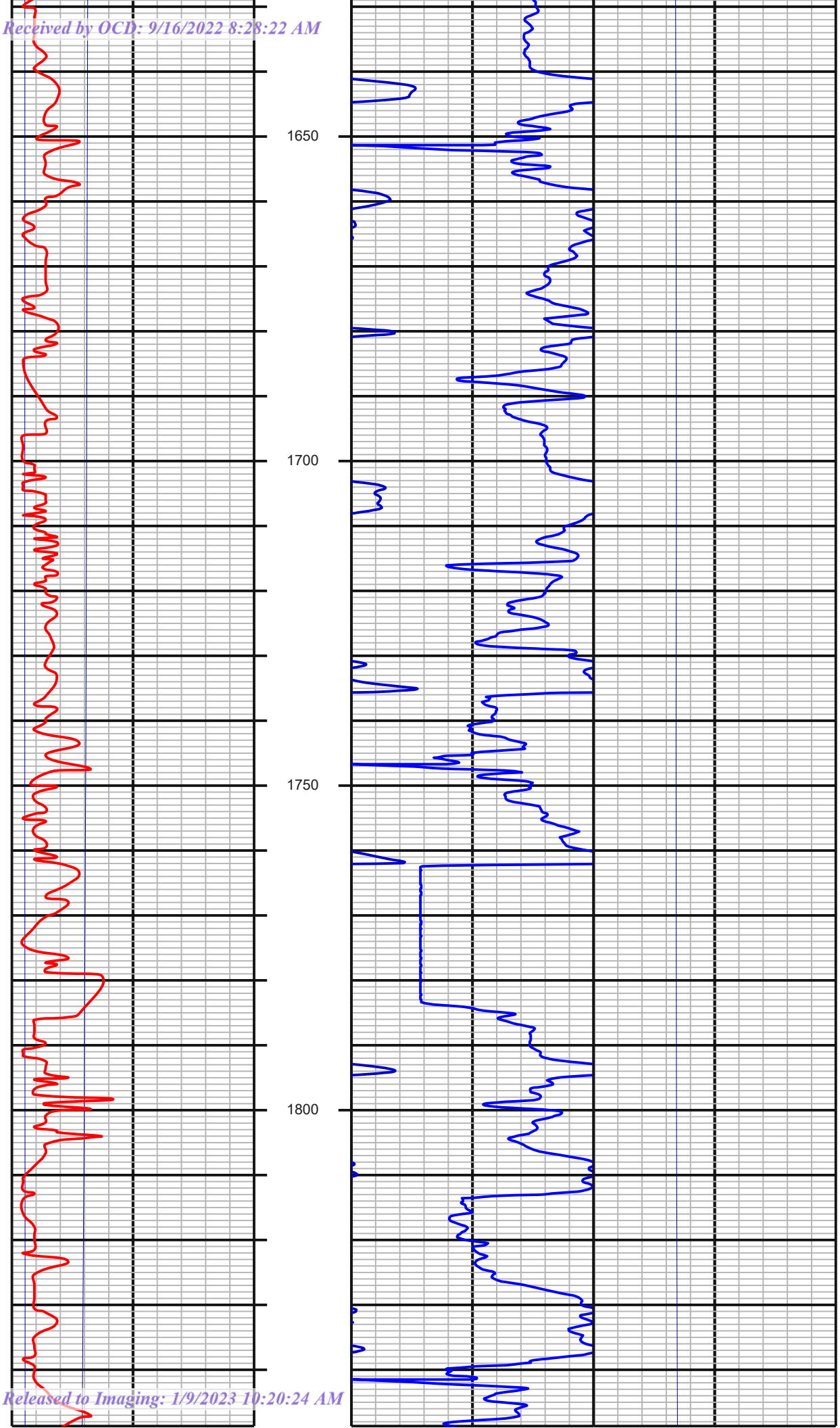
Borehole Record			Casing Record		
Size	**From**	**To**	**Size**	**From**	**To**

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.


0 Inc (Degrees) 120
0 Azm (Degrees) 360
0 Gamma-API (API) 200
MD (ft)
(5" : 100')
0 ROP (ft/hr) 250
250 500
500 750
0 Temp (°F) 300
Survey Information
1000
1050
1100
1150
#11 MD:1110.00 TVD:1109.84
I:1.73 A:323.43 VS:-3.65


1200
1250
1300
1350
1400
#12 MD:1204.00 TVD:1203.83
I:0.35 A:314.38 VS:-5.07
#13 MD:1299.00 TVD:1298.82
I:0.75 A:124.80 VS:-4.90
#14 MD:1393.00 TVD:1392.74
I:3.82 A:119.00 VS:-2.79


1450
1500
1550
1600
#15 MD:1487.00 TVD:1486.32
I:6.90 A:117.94 VS:1.94
#16 MD:1581.00 TVD:1579.68
I:6.46 A:113.37 VS:7.41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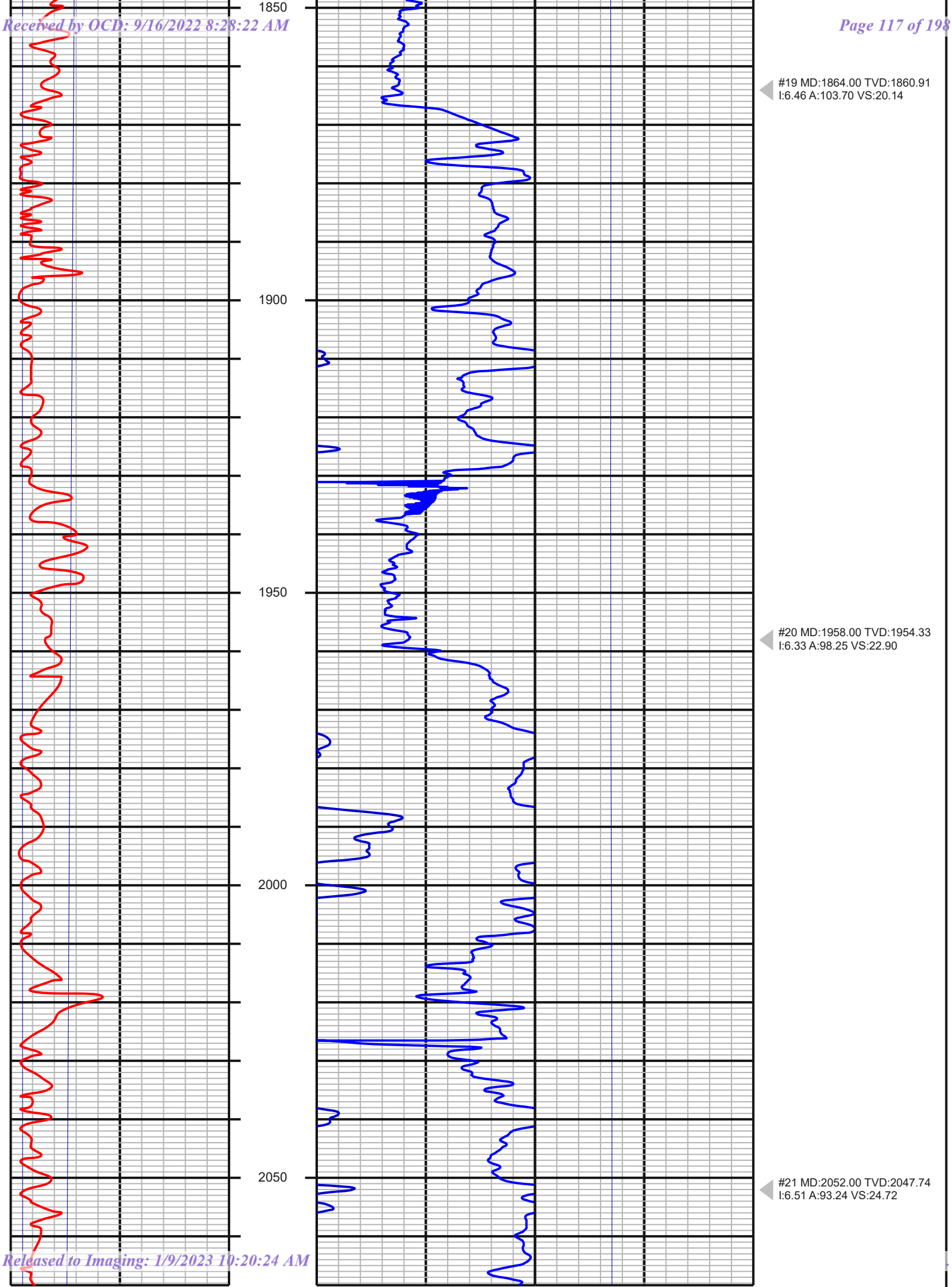
1700
1750
1800
#17 MD:1676.00 TVD:1674.09
I:6.33 A:111.52 VS:12.16
#18 MD:1770.00 TVD:1767.51
I:6.42 A:108.62 VS:16.47

Received by OCD: 9/16/2022 8:28:22 AM



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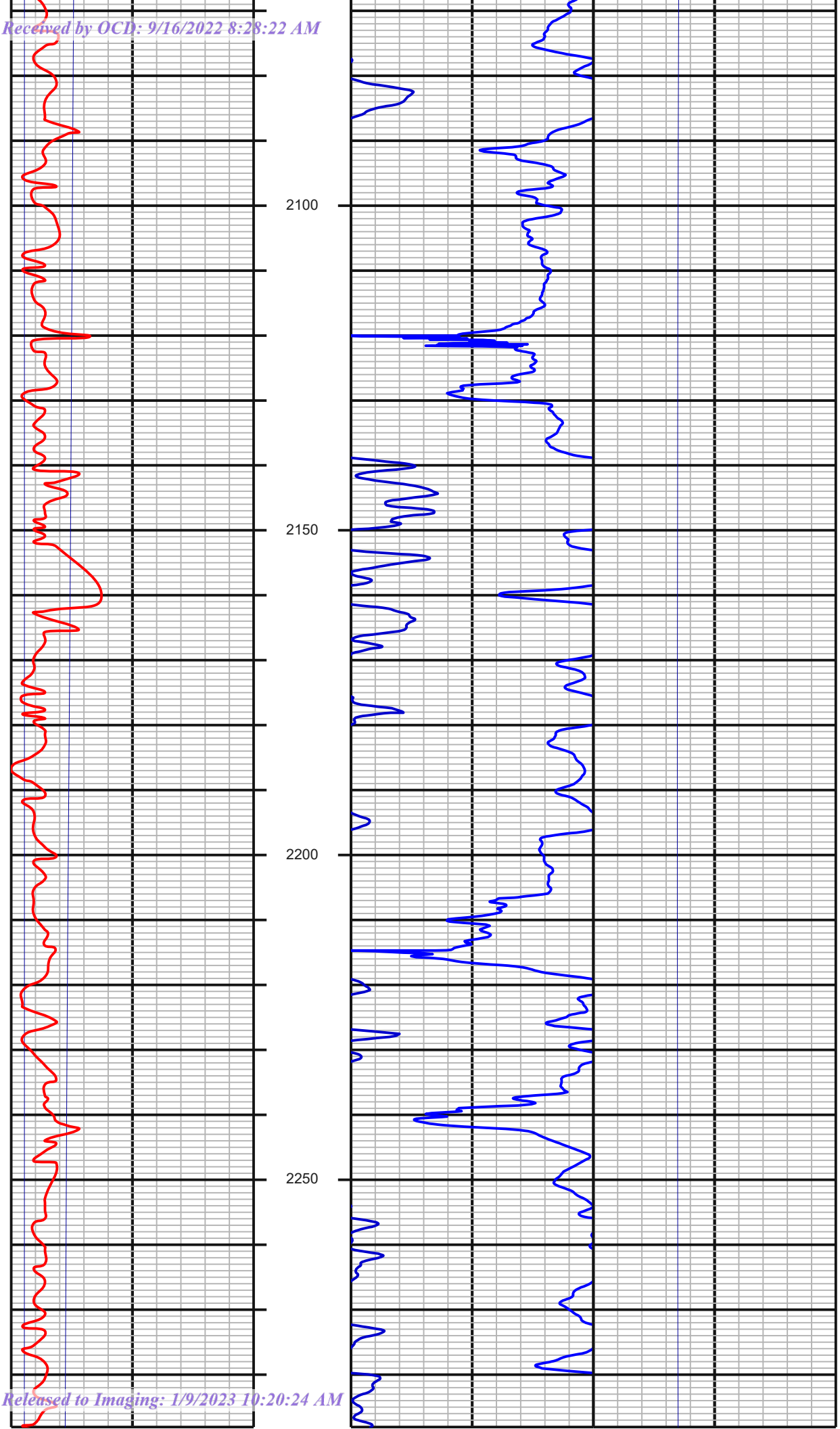
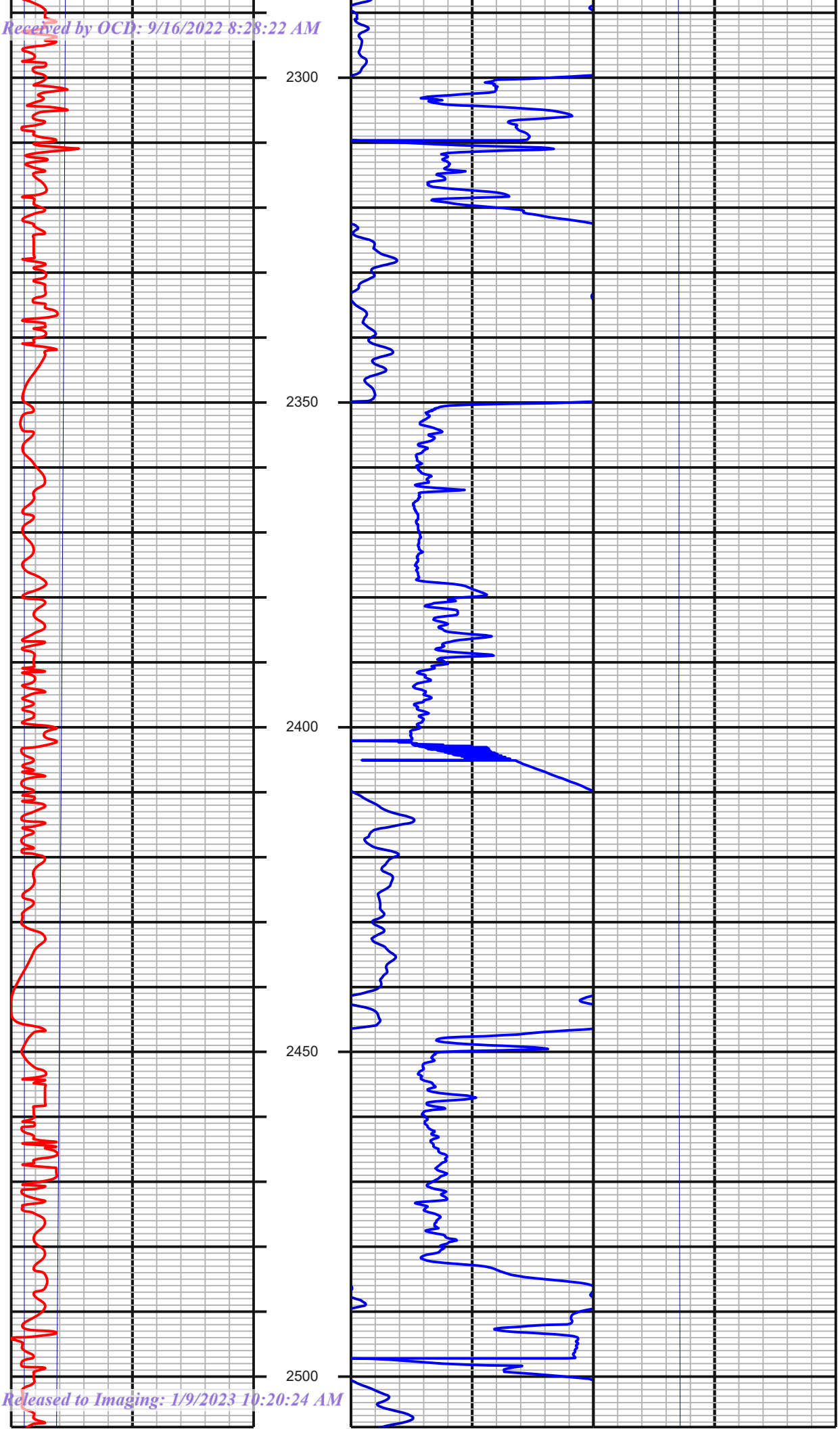
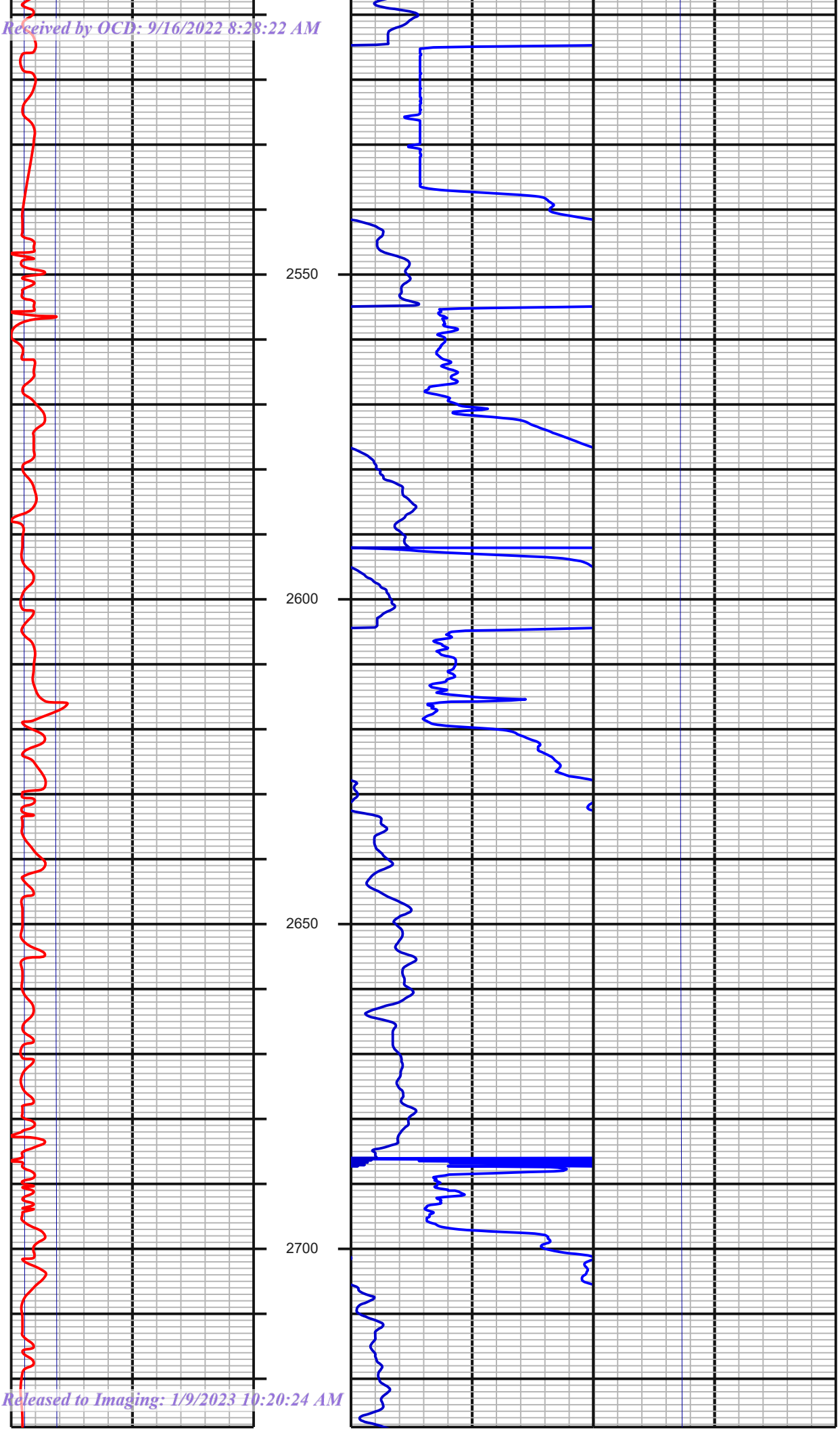

2100
2150
2200
2250
#22 MD:2146.00 TVD:2141.14
I:6.46 A:88.23 VS:25.65
#23 MD:2241.00 TVD:2235.54
I:6.46 A:82.26 VS:25.56


2300
2350
2400
2450
2500
#24 MD:2335.00 TVD:2328.95
I:6.37 A:78.21 VS:24.56
#25 MD:2429.00 TVD:2422.36
I:6.46 A:72.68 VS:22.69

Received by OCD: 9/16/2022 8:28:22 AM



#26 MD:2523.00 TVD:2515.78
I:6.33 A:66.17 VS:19.76

#27 MD:2618.00 TVD:2610.20
I:6.37 A:65.82 VS:16.21

#28 MD:2712.00 TVD:2703.60
I:6.55 A:67.40 VS:12.75

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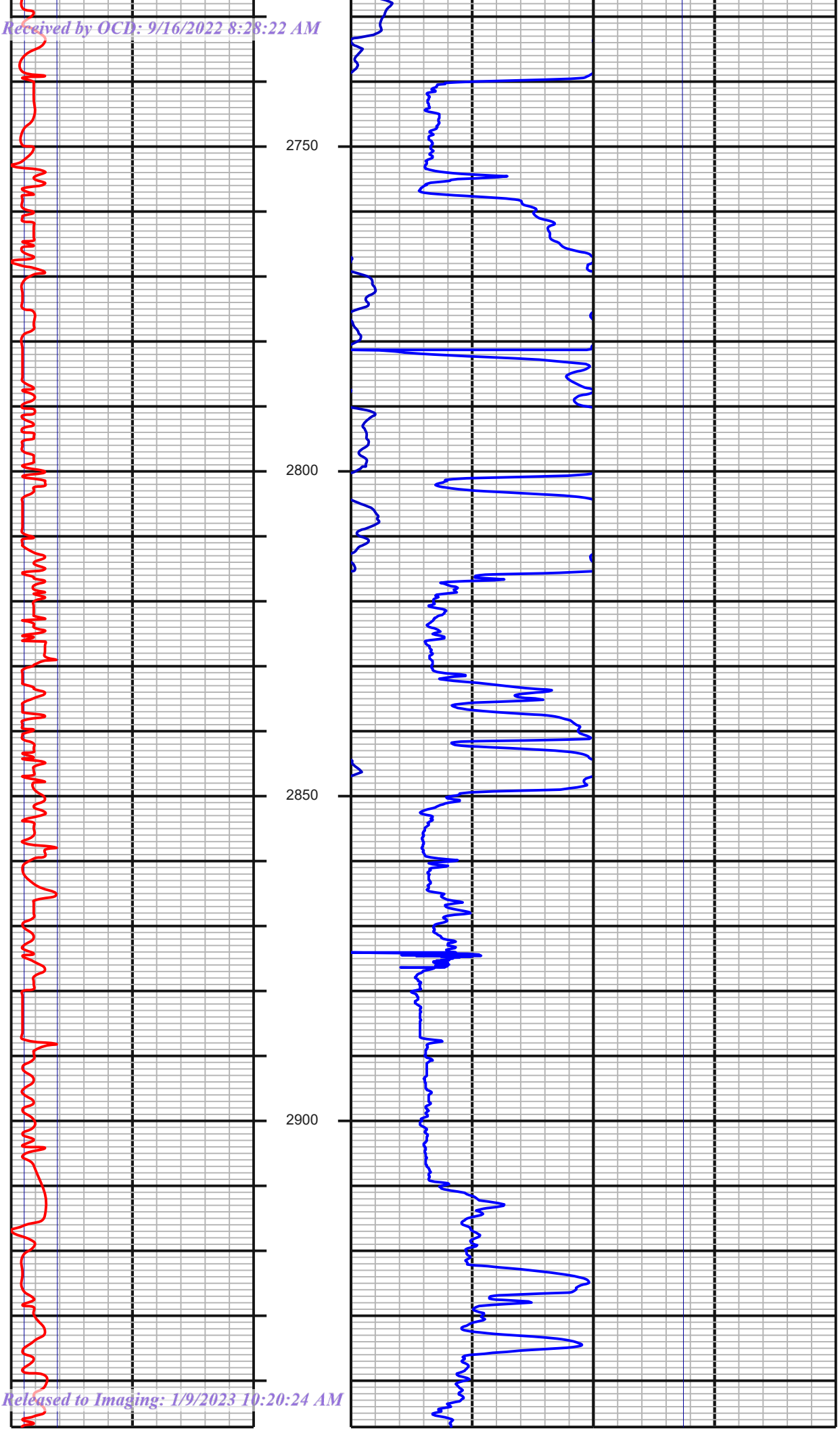
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2900
#29 MD:2806.00 TVD:2797.00
I:6.37 A:68.63 VS:9.53
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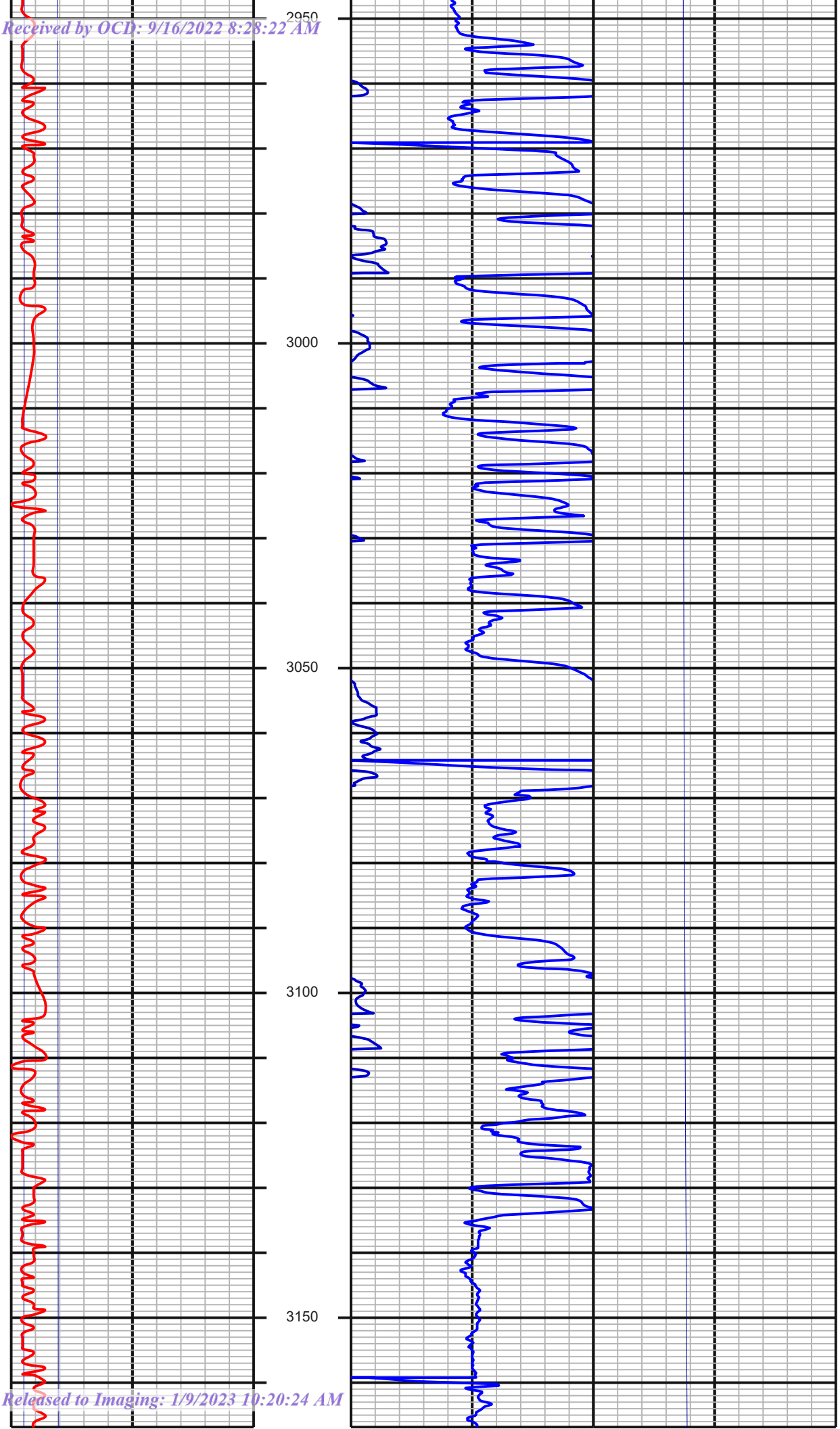
I:6.33 A:68.28 VS:6.45

Received by OCD: 9/16/2022 8:28:22 AM



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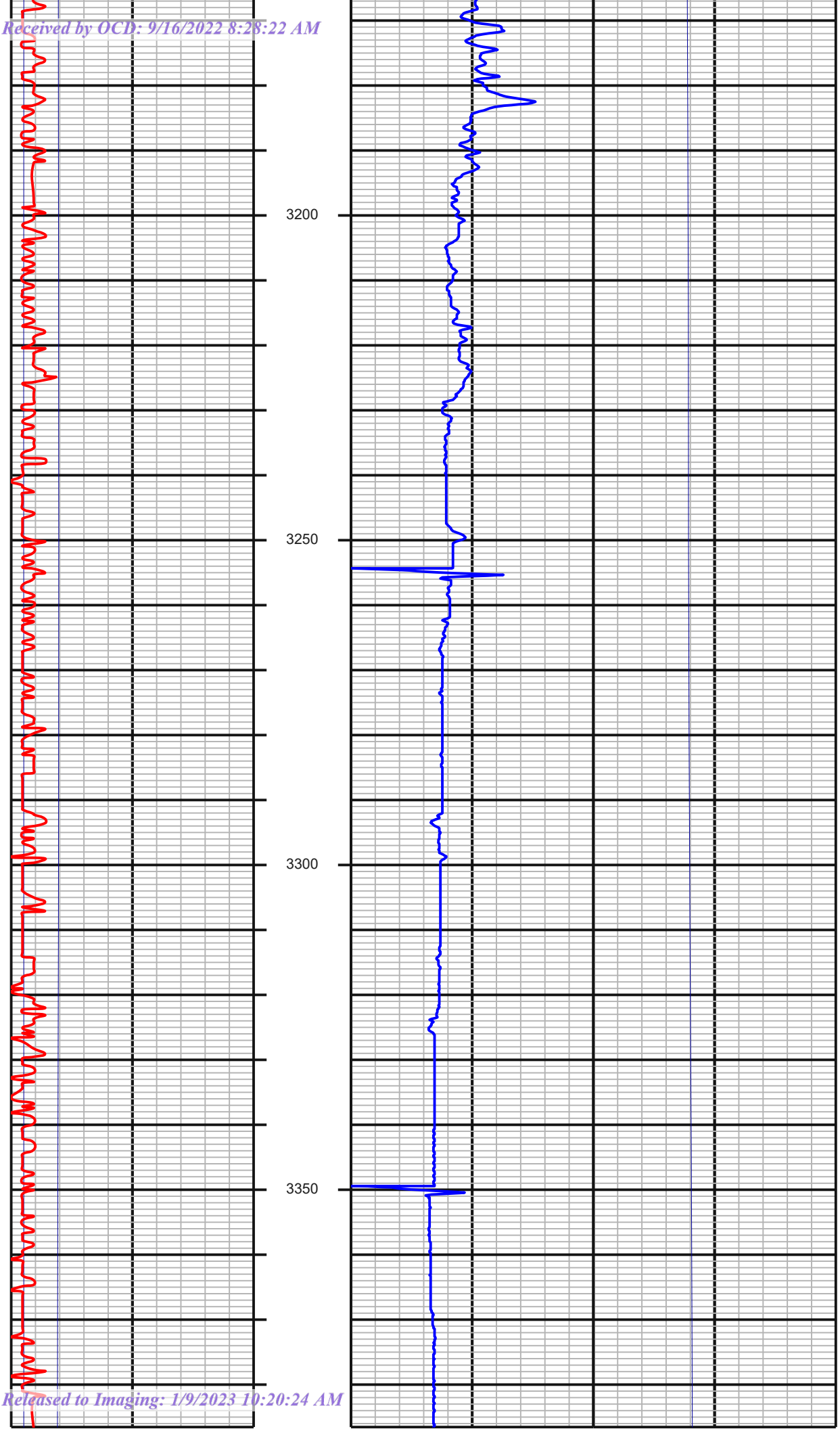

#33 MD:3183.00 TVD:3171.72
I:6.15 A:69.95 VS:-2.50

#34 MD:3277.00 TVD:3265.18
I:6.15 A:70.13 VS:-5.22

#35 MD:3371.00 TVD:3358.63
I:6.15 A:68.72 VS:-8.05

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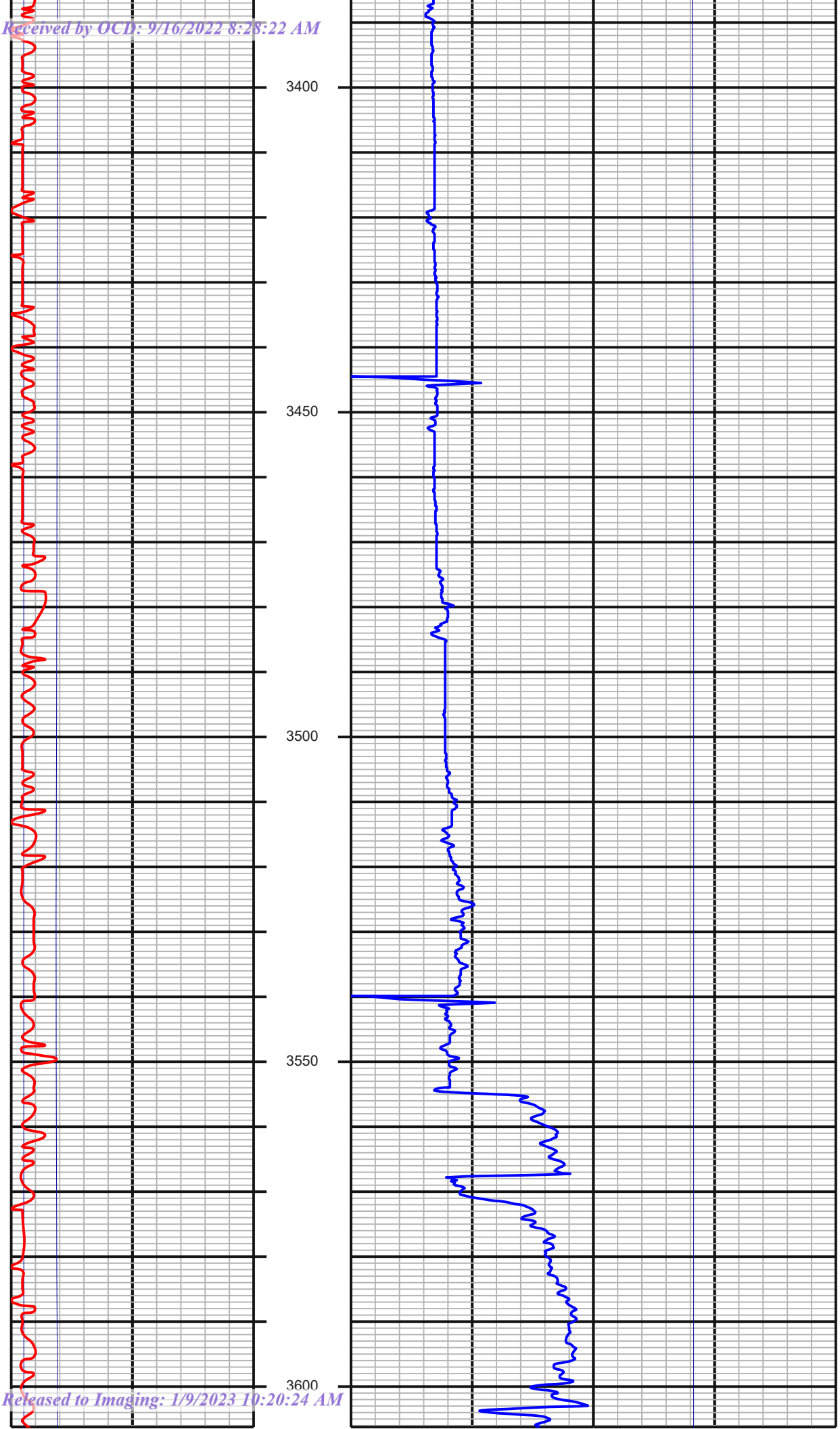

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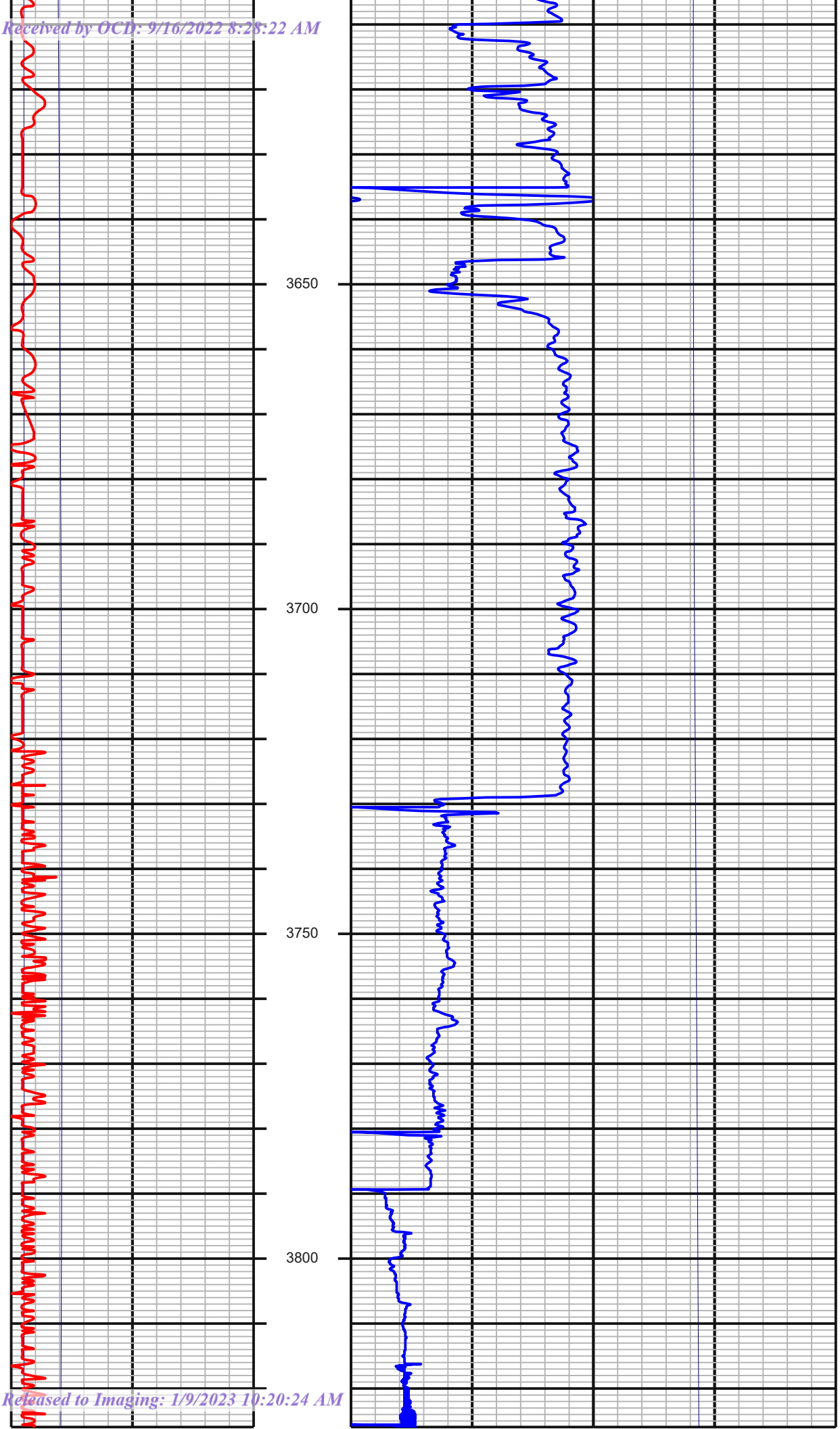
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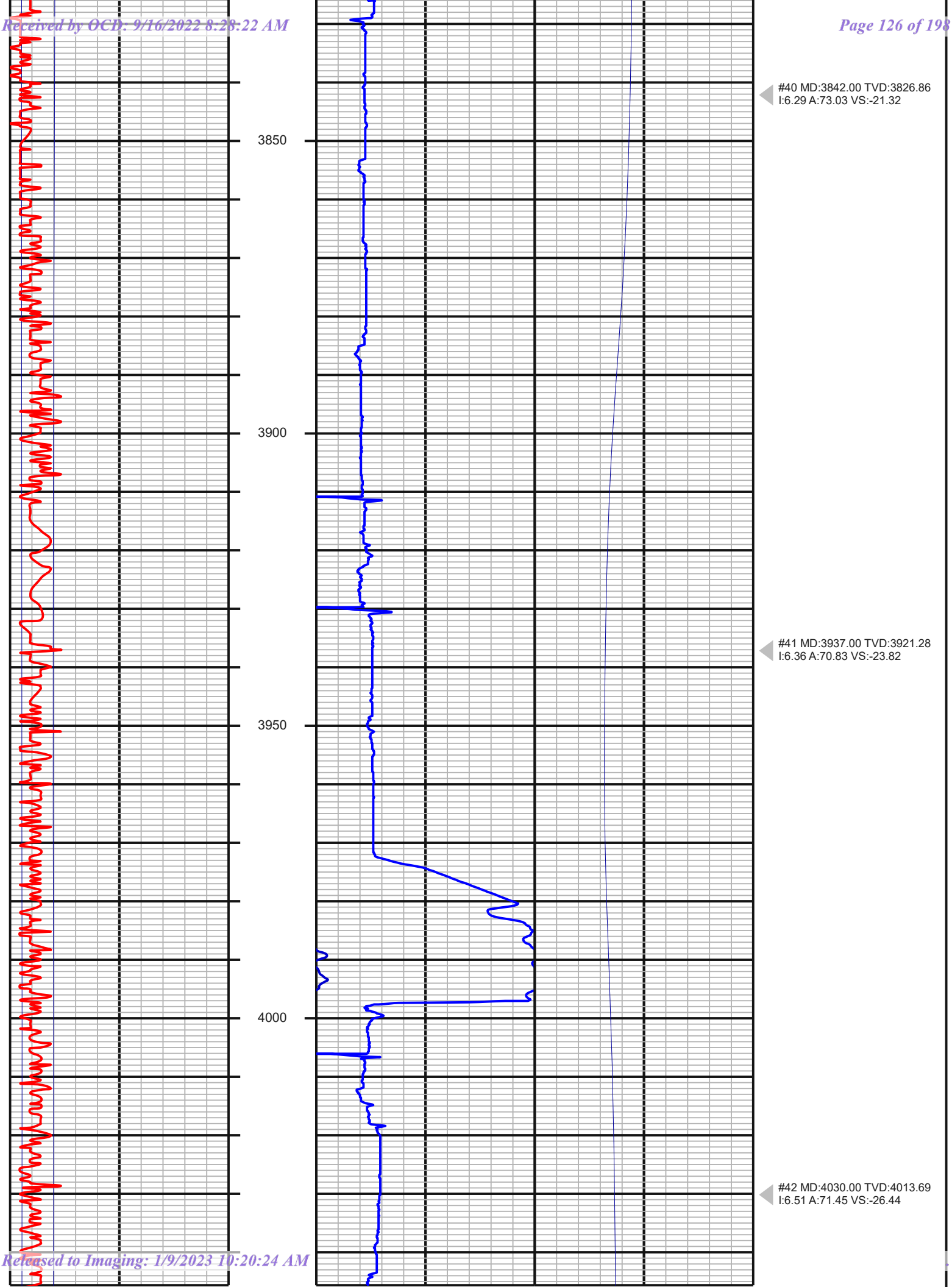
3700
3750
3800
#38 MD:3653.00 TVD:3639.00
I:6.29 A:72.50 VS:-17.06
#39 MD:3748.00 TVD:3733.43
I:6.33 A:74.96 VS:-19.23

Received by OCD: 9/16/2022 8:28:22 AM



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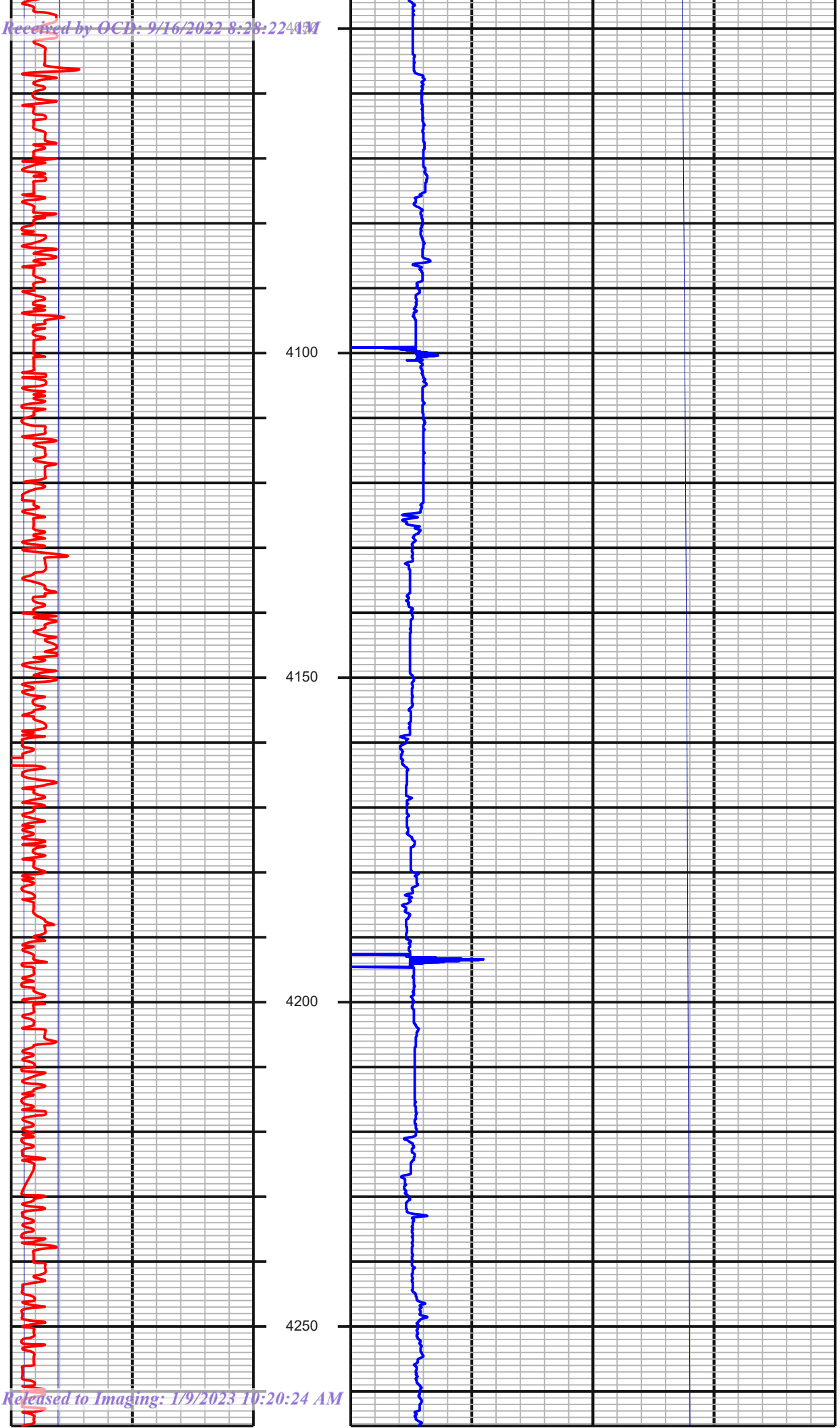
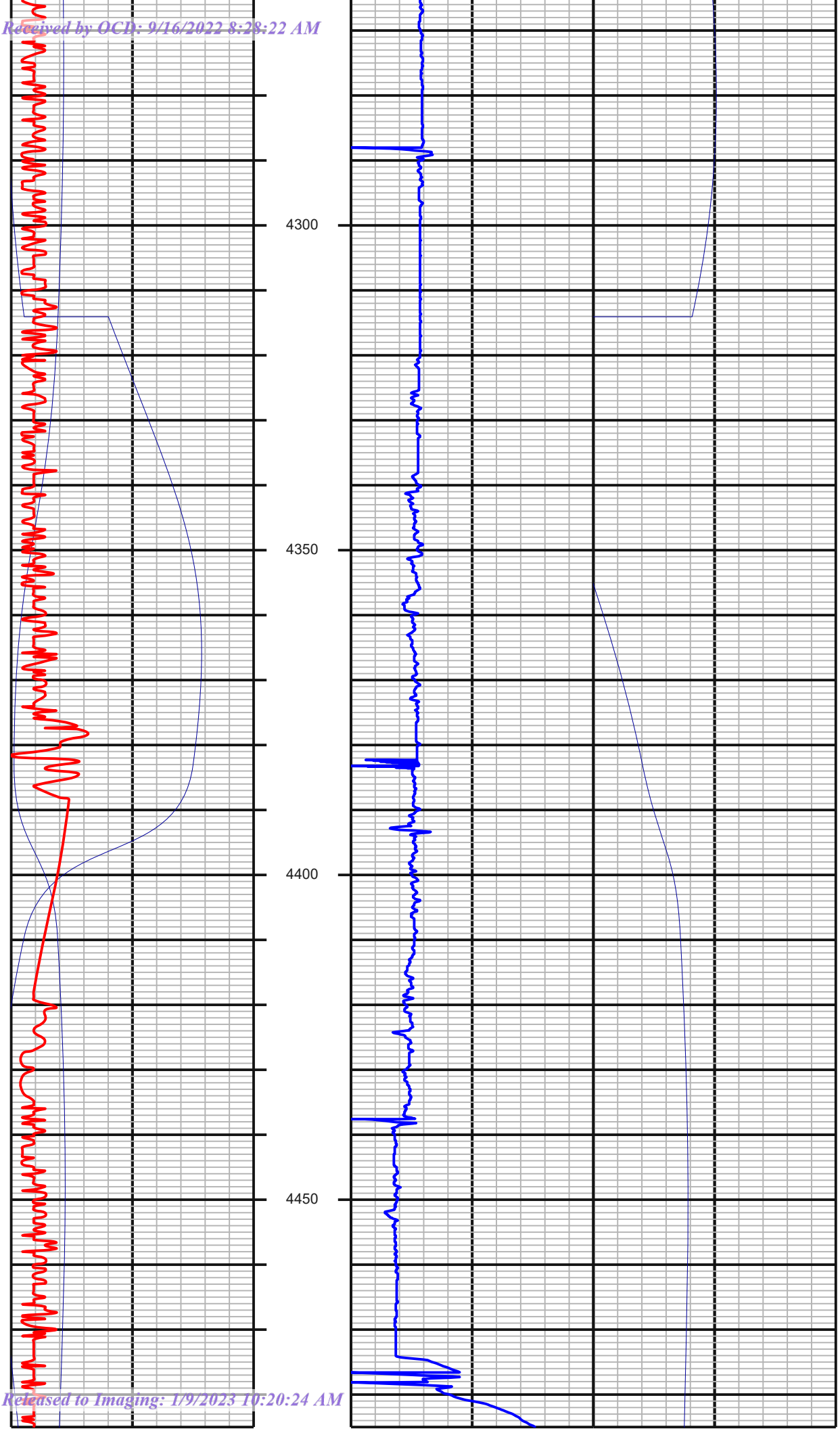

4100
4150
4200
4250
#43 MD:4125.00 TVD:4108.11
I:6.15 A:69.69 VS:-29.18
#44 MD:4219.00 TVD:4201.55
I:6.37 A:69.69 VS:-32.01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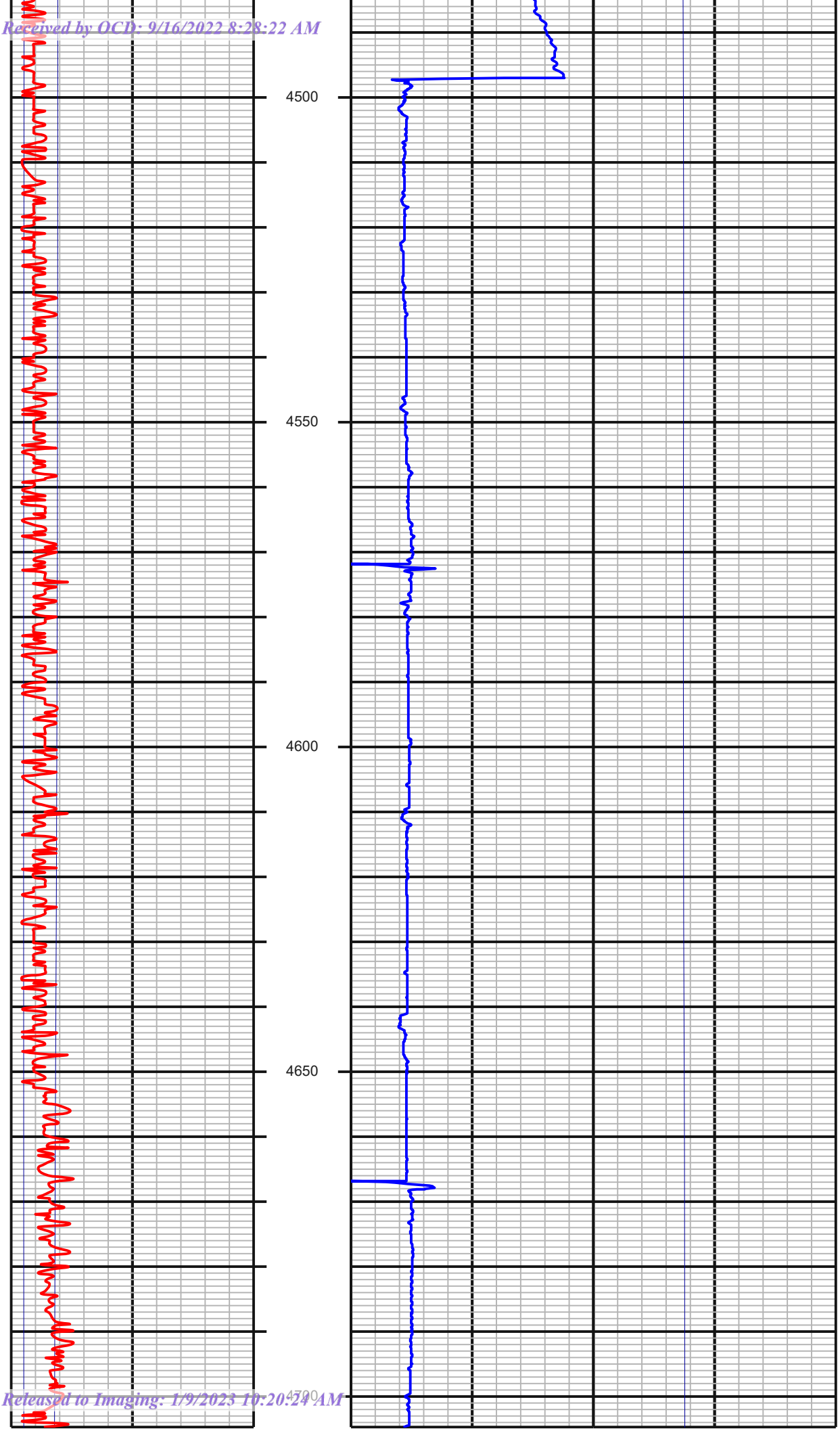
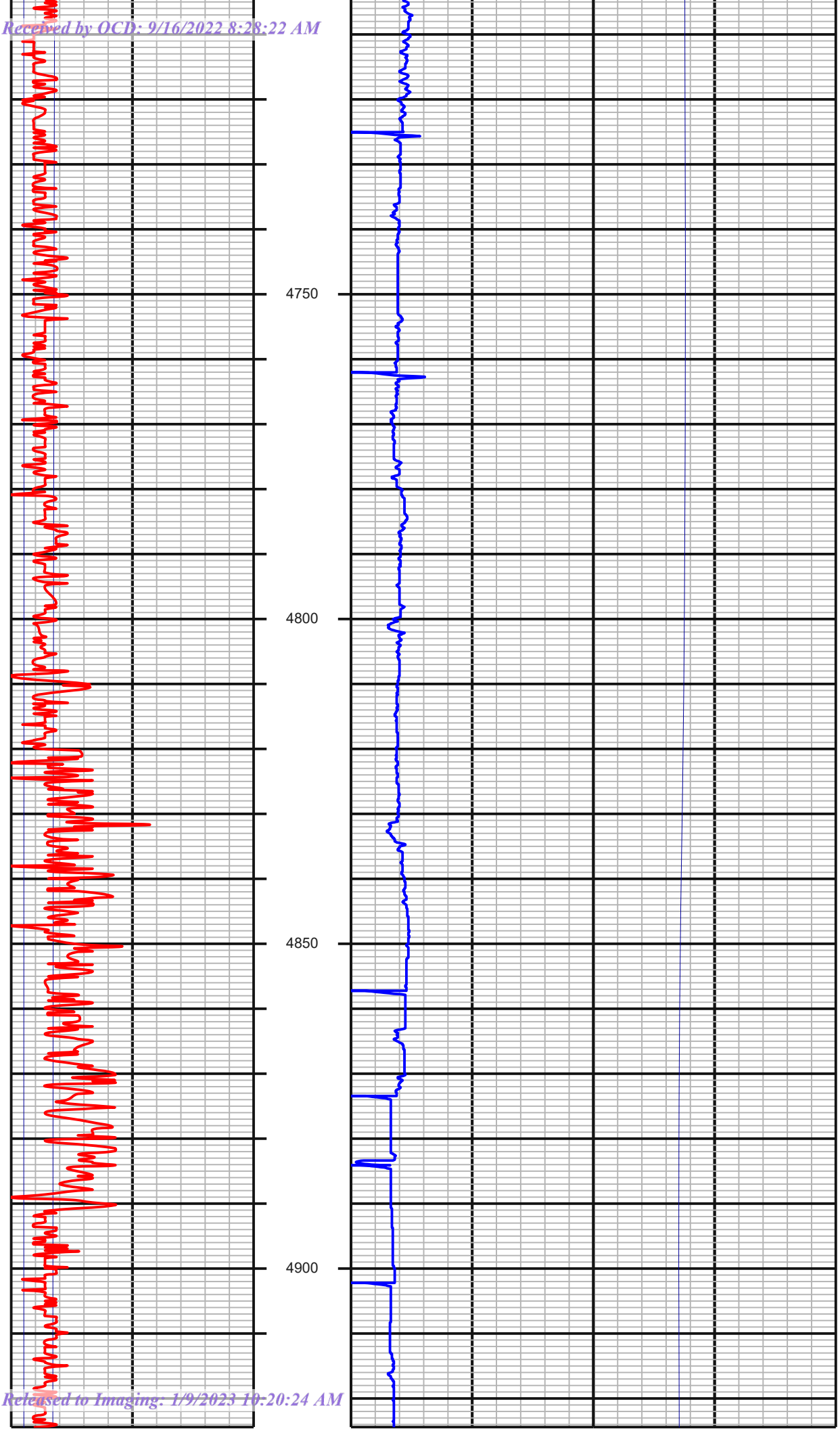
4350
4400
4450
#45 MD:4314.00 TVD:4295.96
I:6.42 A:69.16 VS:-34.98
#46 MD:4408.00 TVD:4389.37
I:6.42 A:68.72 VS:-38.01


4500
4550
4600
4650
4700
#47 MD:4504.00 TVD:4484.79
I:6.24 A:68.99 VS:-41.08
#48 MD:4599.00 TVD:4579.23
I:6.11 A:67.67 VS:-44.13
#49 MD:4693.00 TVD:4672.70
I:6.15 A:64.33 VS:-47.52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4800
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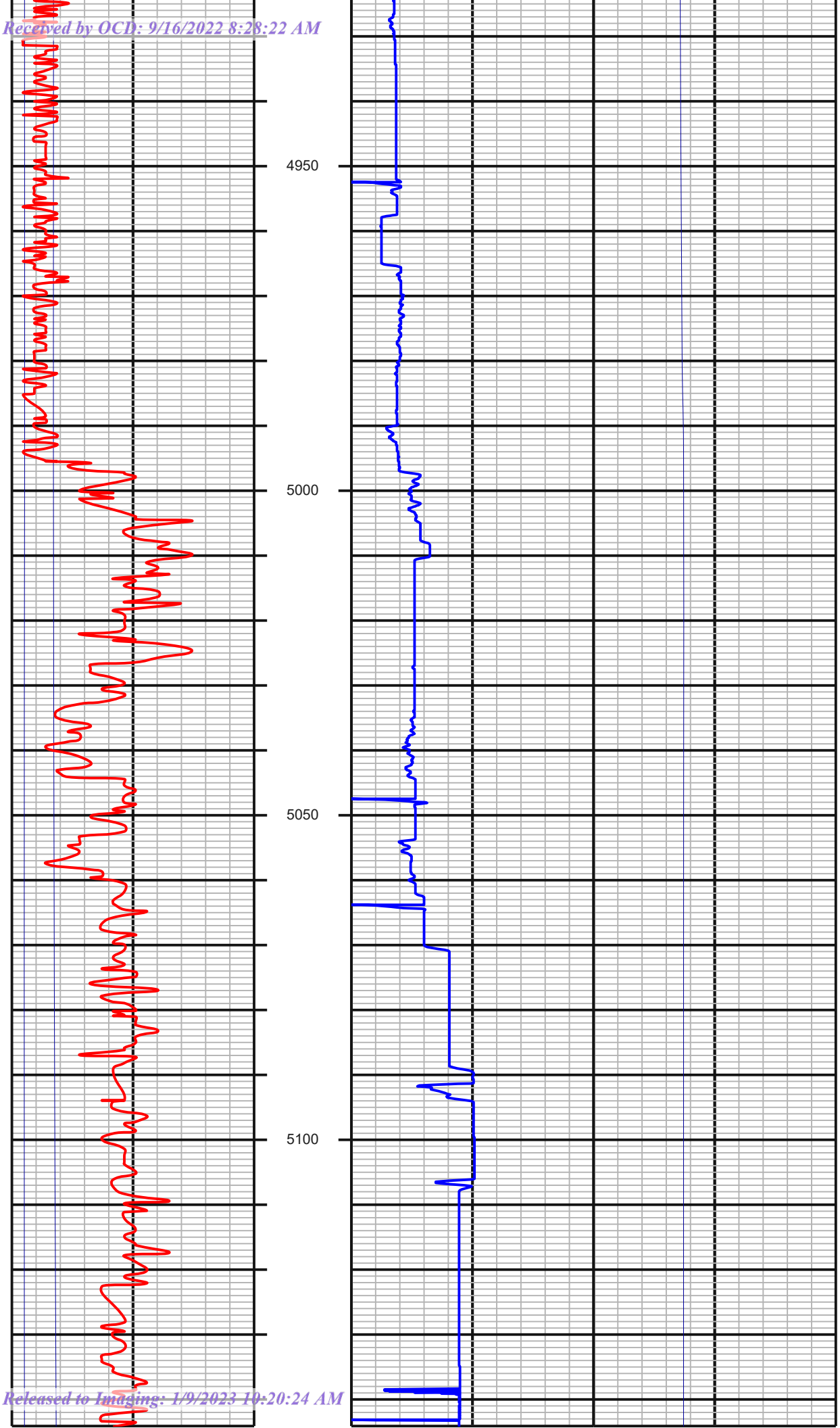
4900
#50 MD:4787.00 TVD:4766.15
I:6.24 A:62.92 VS:-51.34
#51 MD:4882.00 TVD:4860.59
I:6.15 A:61.87 VS:-55.39


4950
5000
5050
5100
#52 MD:4976.00 TVD:4954.04
I:6.29 A:61.60 VS:-59.53
#53 MD:5070.00 TVD:5047.49
I:6.11 A:62.92 VS:-63.58

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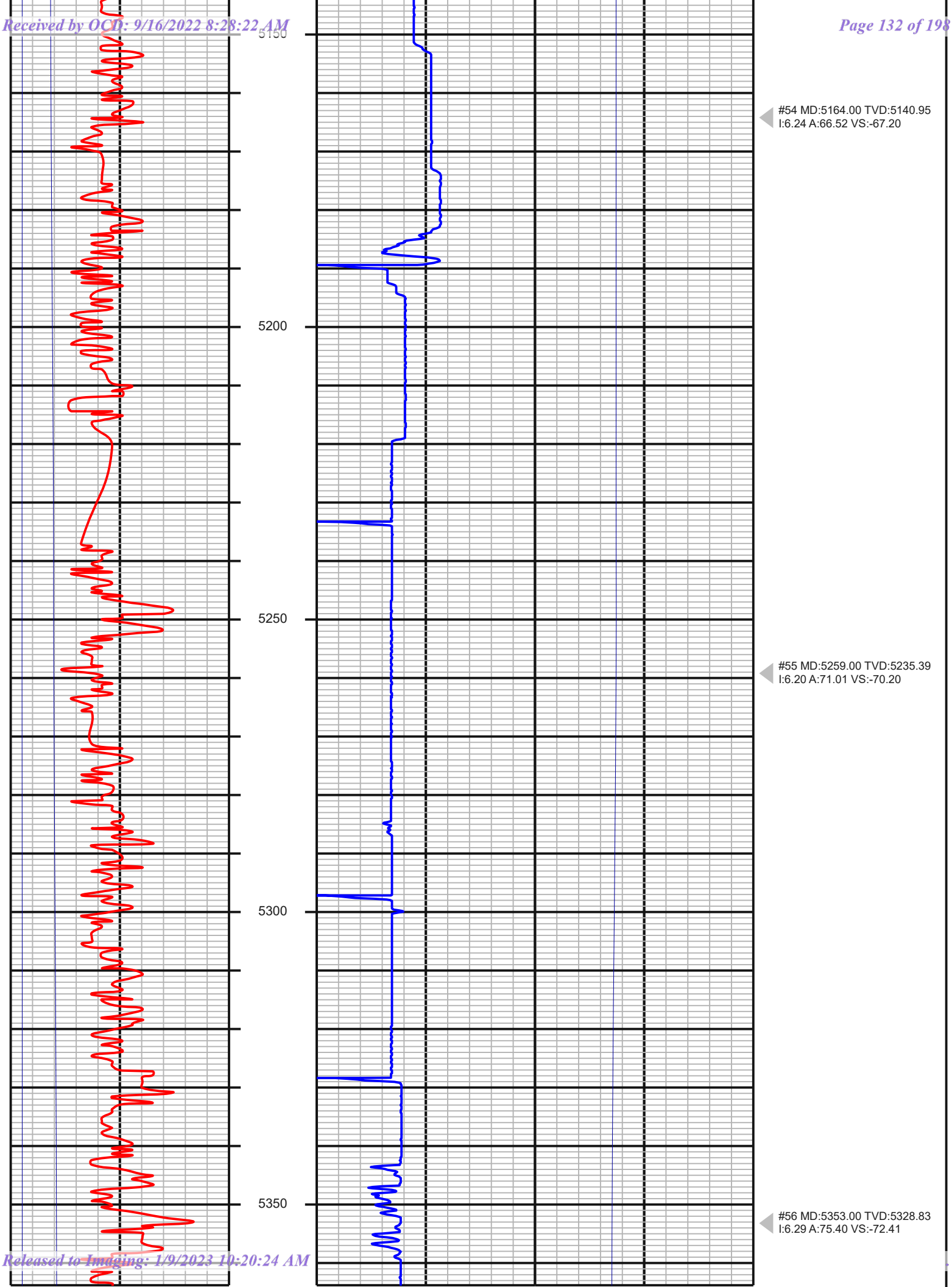

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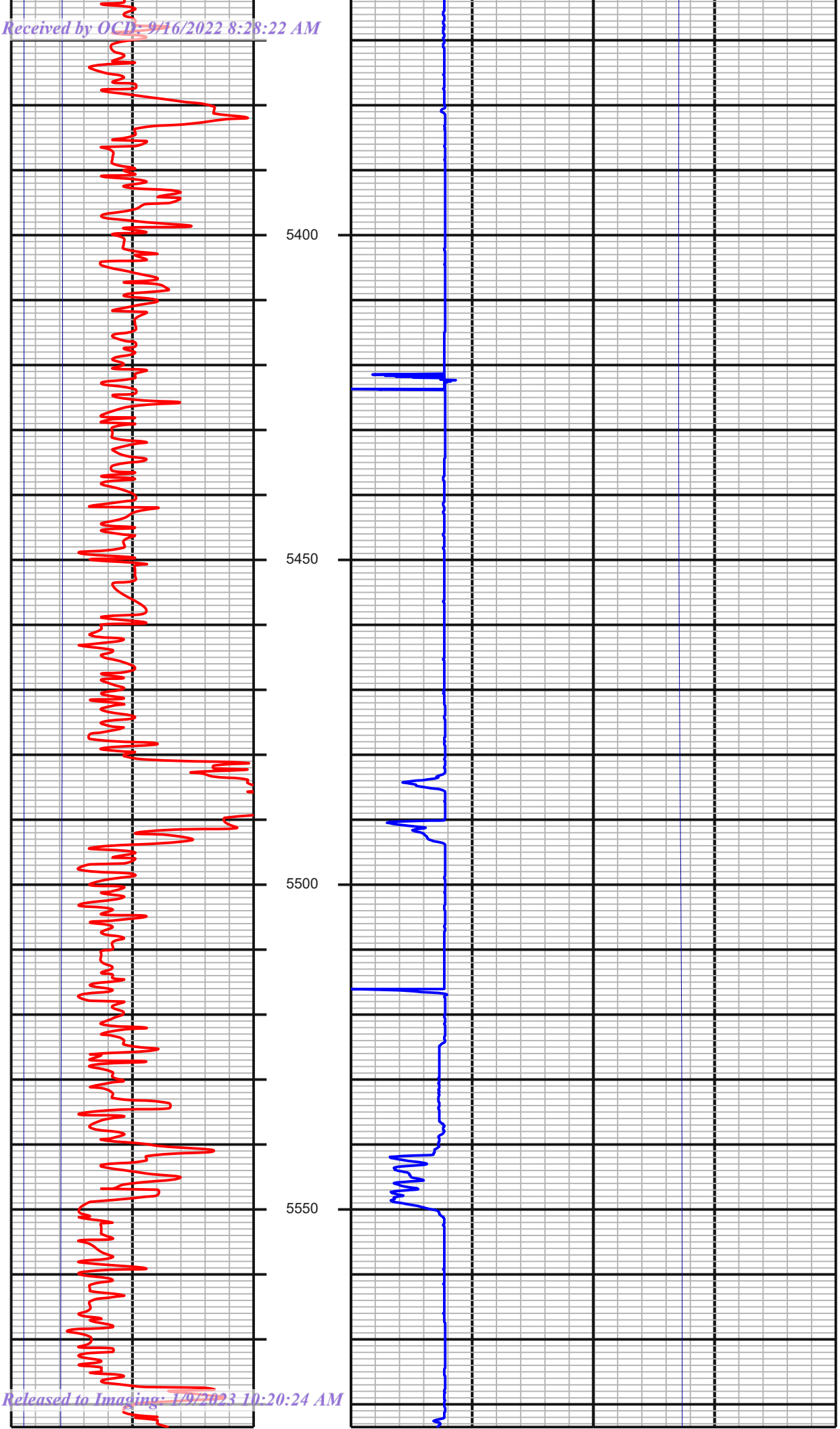
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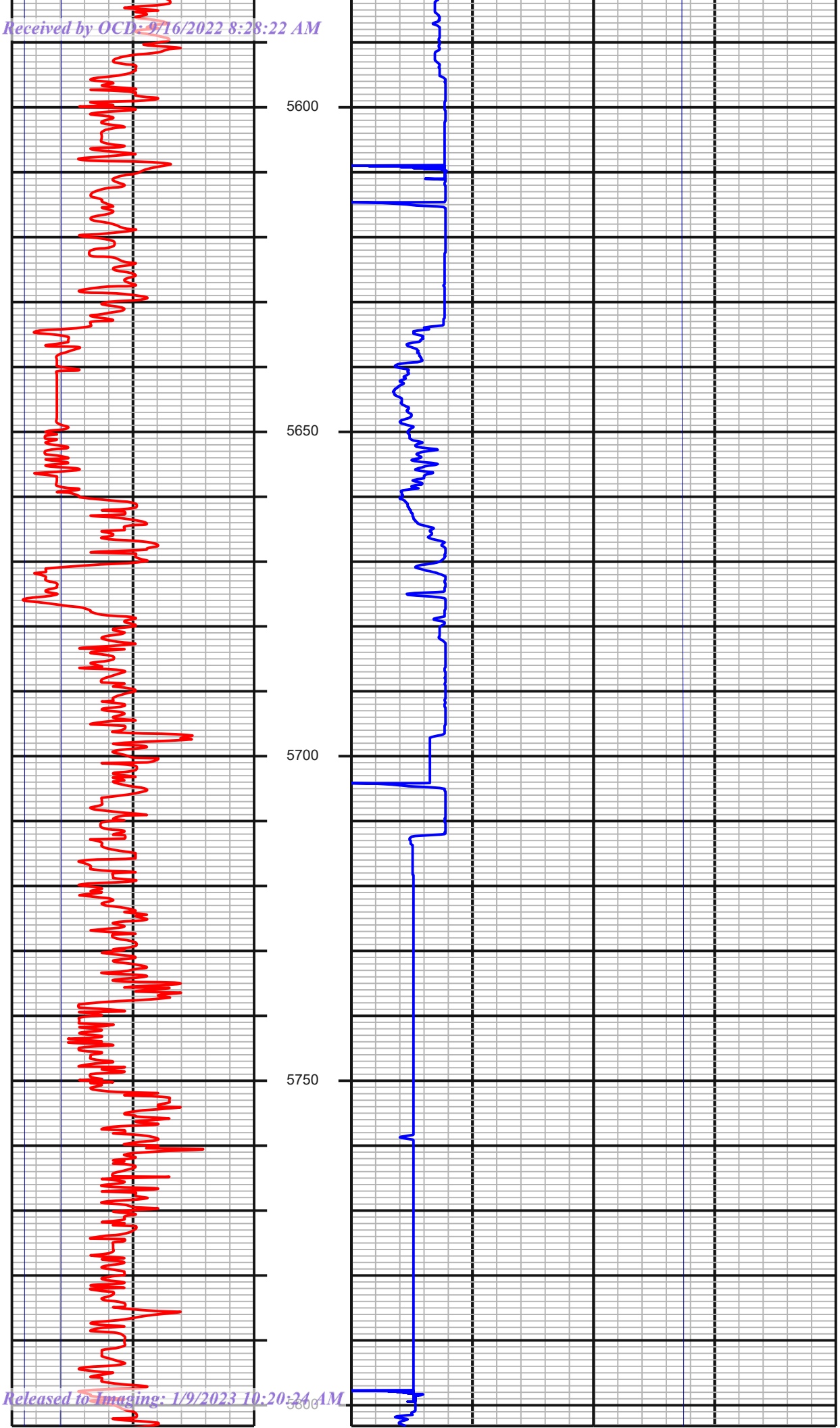
#57 MD:5447.00 TVD:5422.27
I:6.24 A:76.10 VS:-74.18
#58 MD:5541.00 TVD:5515.72
I:6.20 A:73.82 VS:-76.08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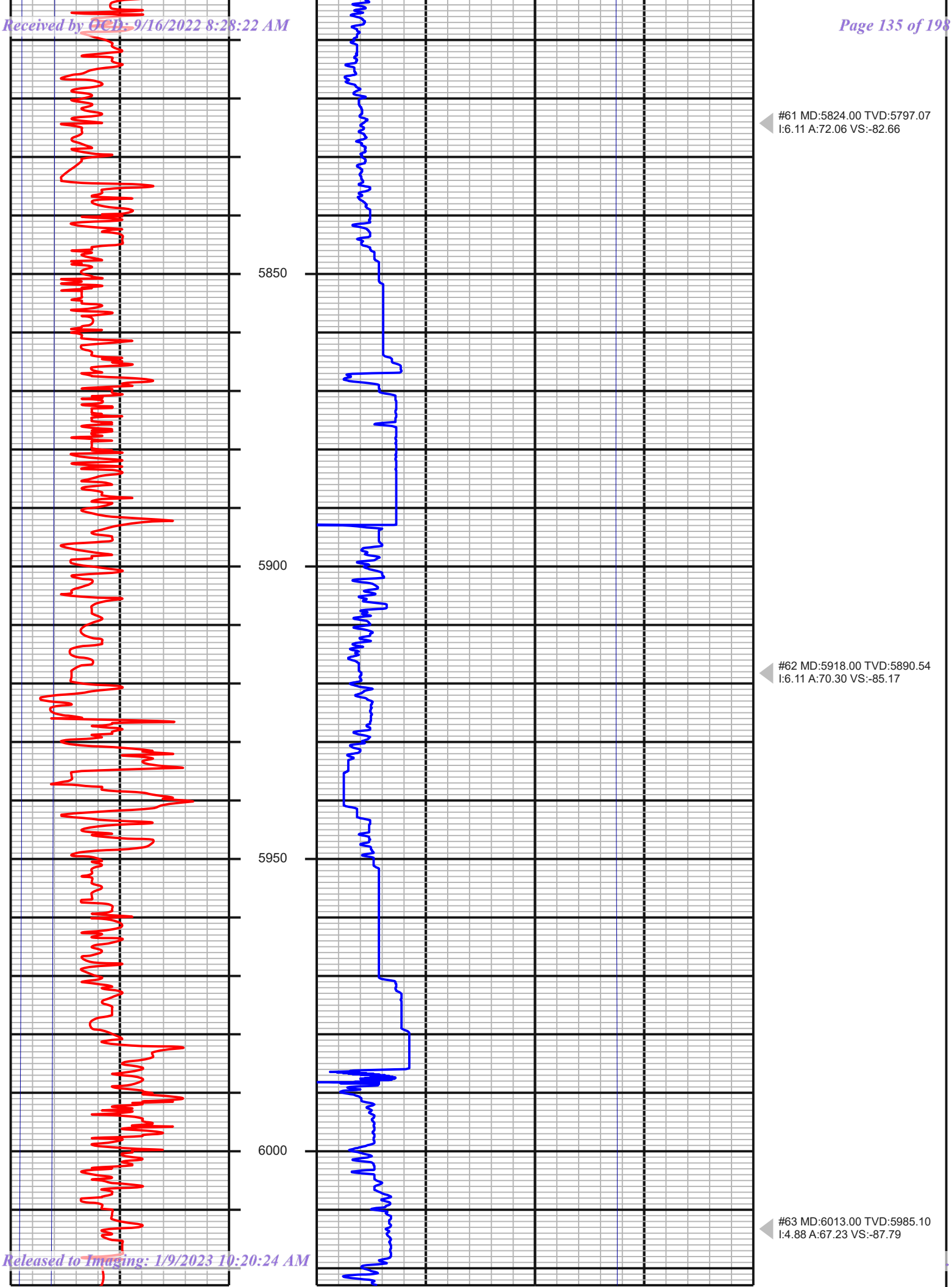
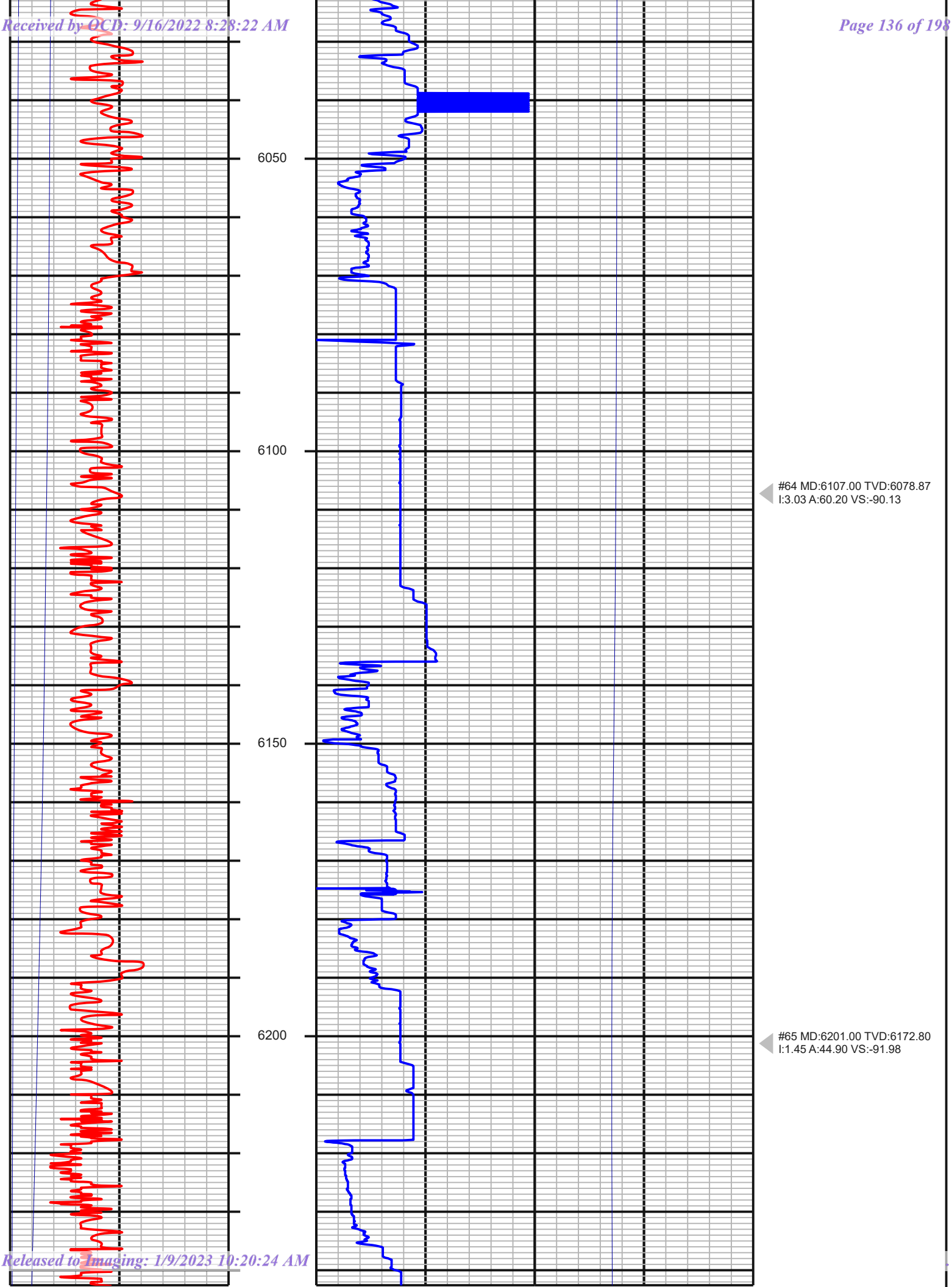
5650
5700
5750
5800
#59 MD:5635.00 TVD:5609.17
I:6.15 A:73.47 VS:-78.20
#60 MD:5730.00 TVD:5703.61
I:6.24 A:73.38 VS:-80.38



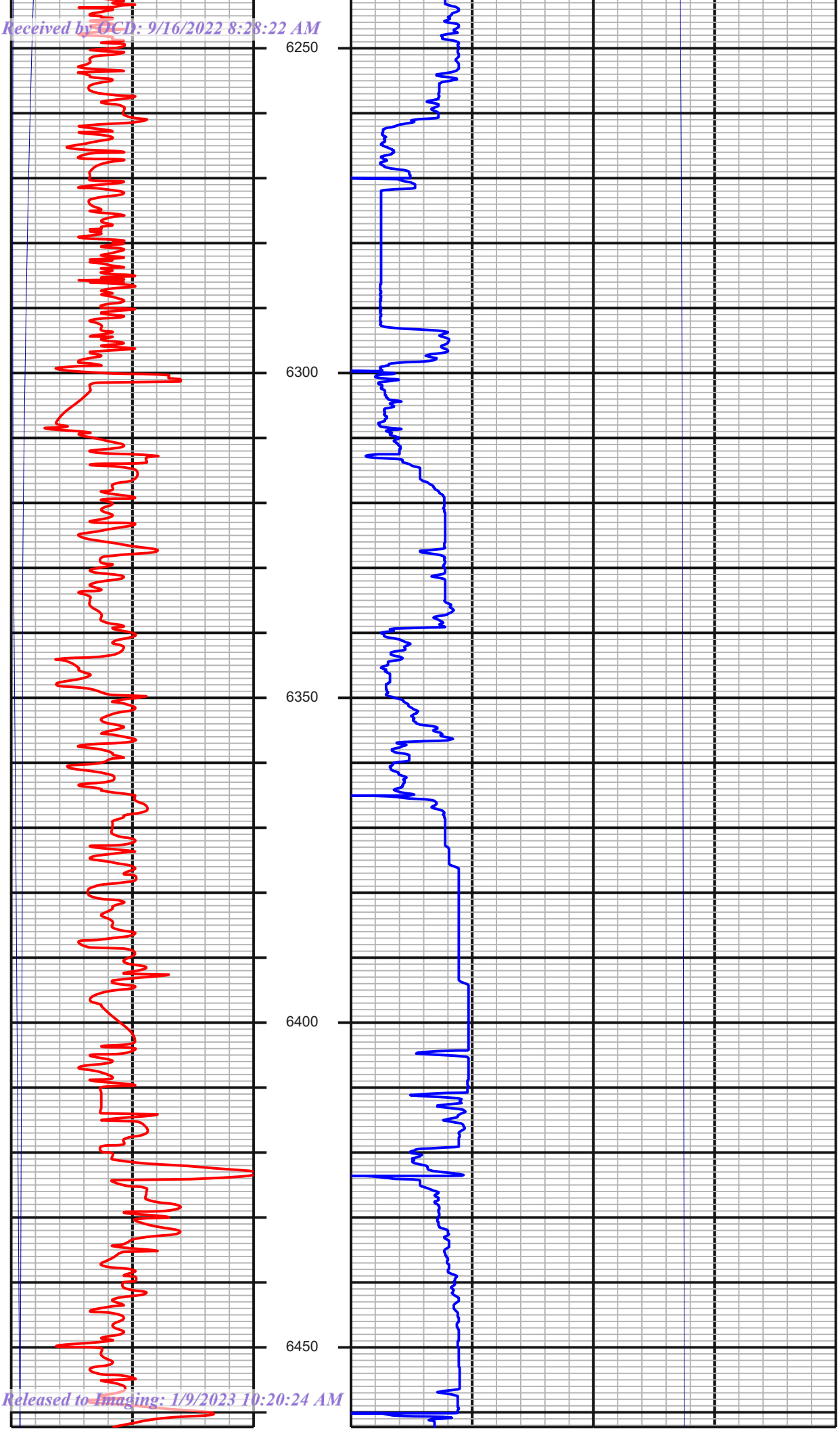
#61 MD:5824.00 TVD:5797.07
I:6.11 A:72.06 VS:-82.66

#62 MD:5918.00 TVD:5890.54
I:6.11 A:70.30 VS:-85.17

#63 MD:6013.00 TVD:5985.10
I:4.88 A:67.23 VS:-87.79


6050
6100
6150
6200
#64 MD:6107.00 TVD:6078.87
I:3.03 A:60.20 VS:-90.13
#65 MD:6201.00 TVD:6172.80
I:1.45 A:44.90 VS:-91.98

Received by OCD: 9/16/2022 8:28:22 AM



#66 MD:6295.00 TVD:6266.78
I:0.75 A:21.00 VS:-93.31

#67 MD:6389.00 TVD:6360.73
I:2.68 A:15.90 VS:-95.93

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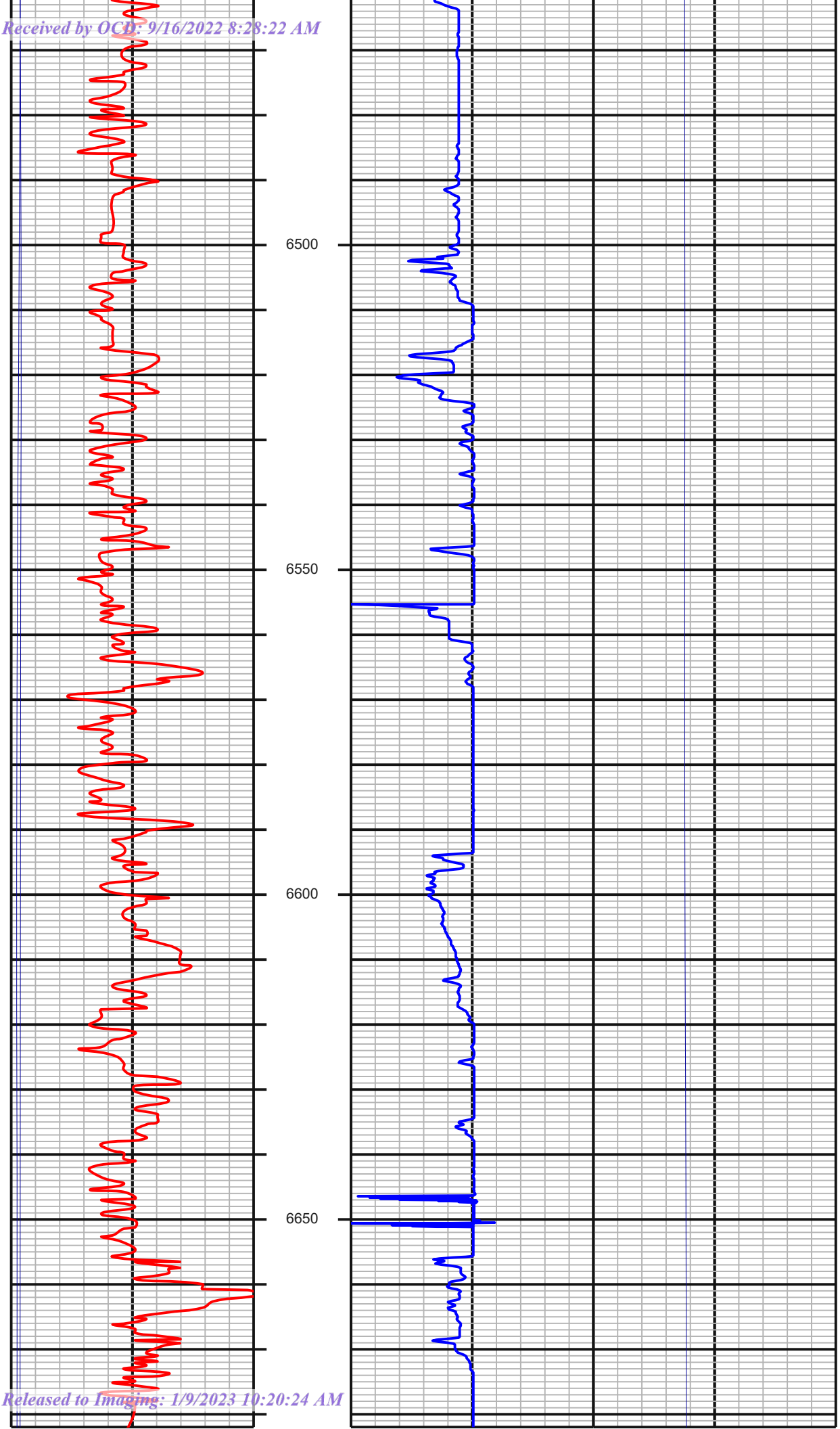
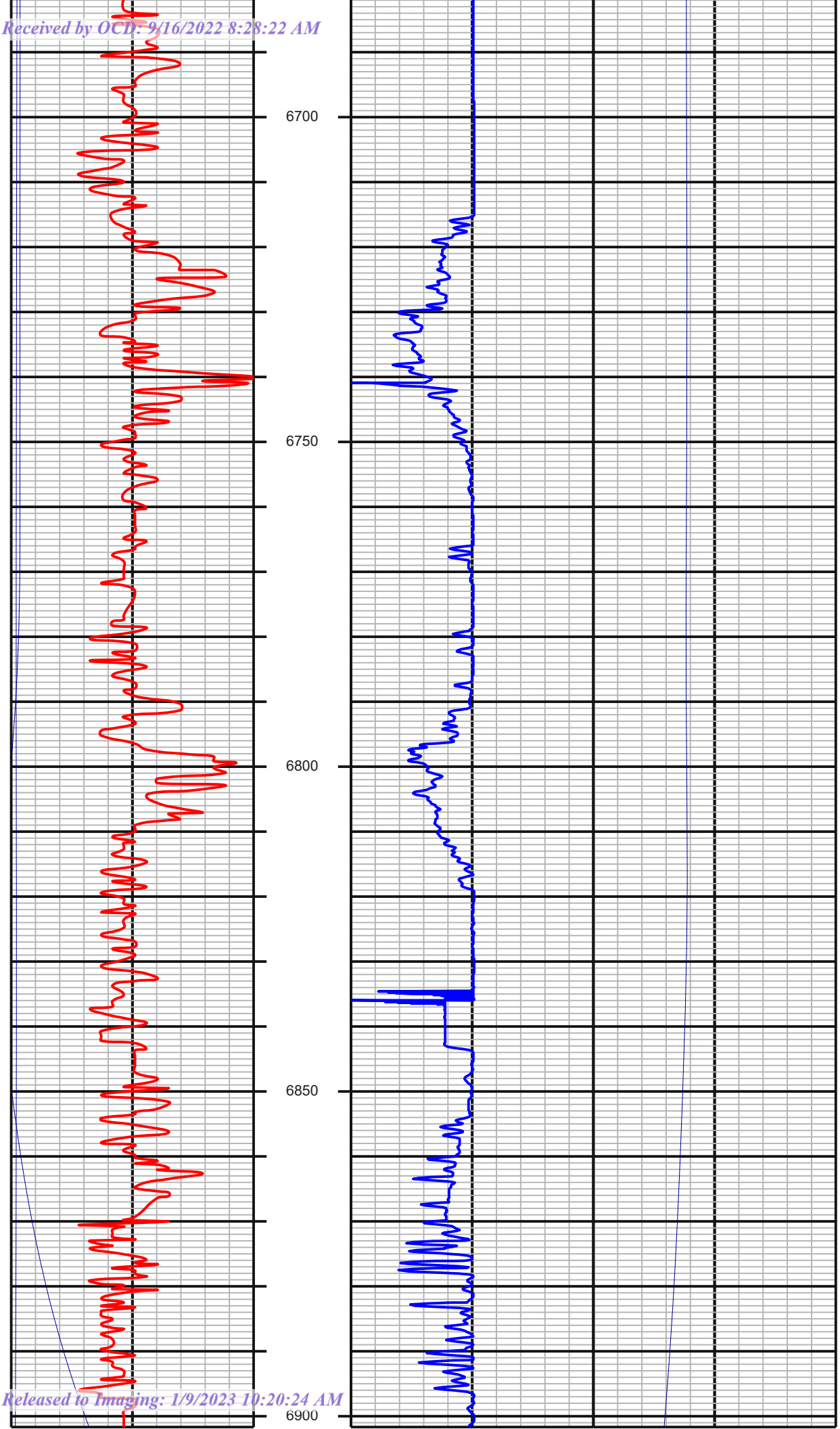


#68 MD:6484.00 TVD:6455.53
I:4.70 A:12.38 VS:-101.75

#69 MD:6578.00 TVD:6549.23
I:4.53 A:8.25 VS:-109.06

#70 MD:6672.00 TVD:6642.94
I:4.40 A:8.60 VS:-116.20

Received by OCD: 9/16/2022 8:28:22 AM



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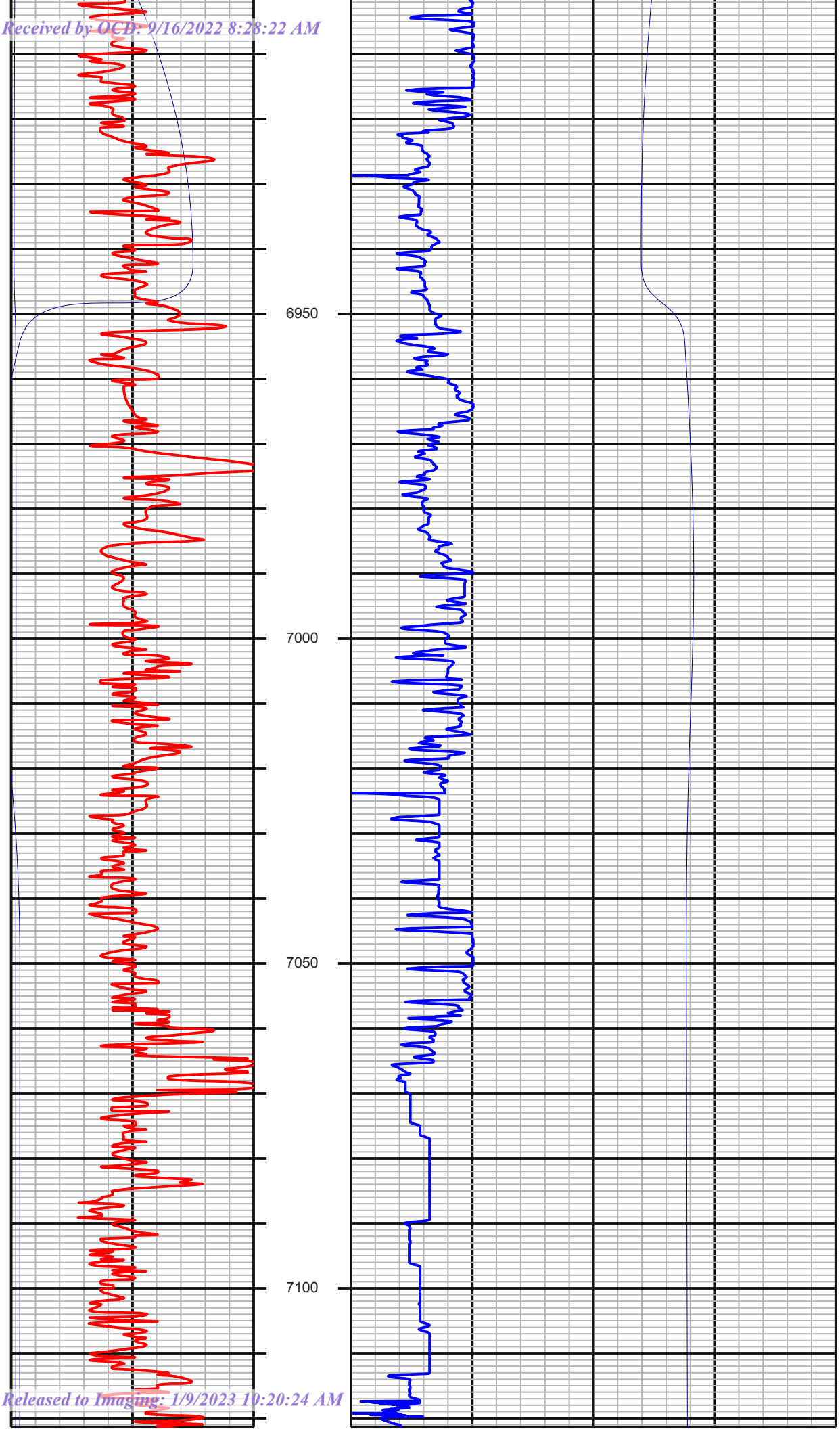

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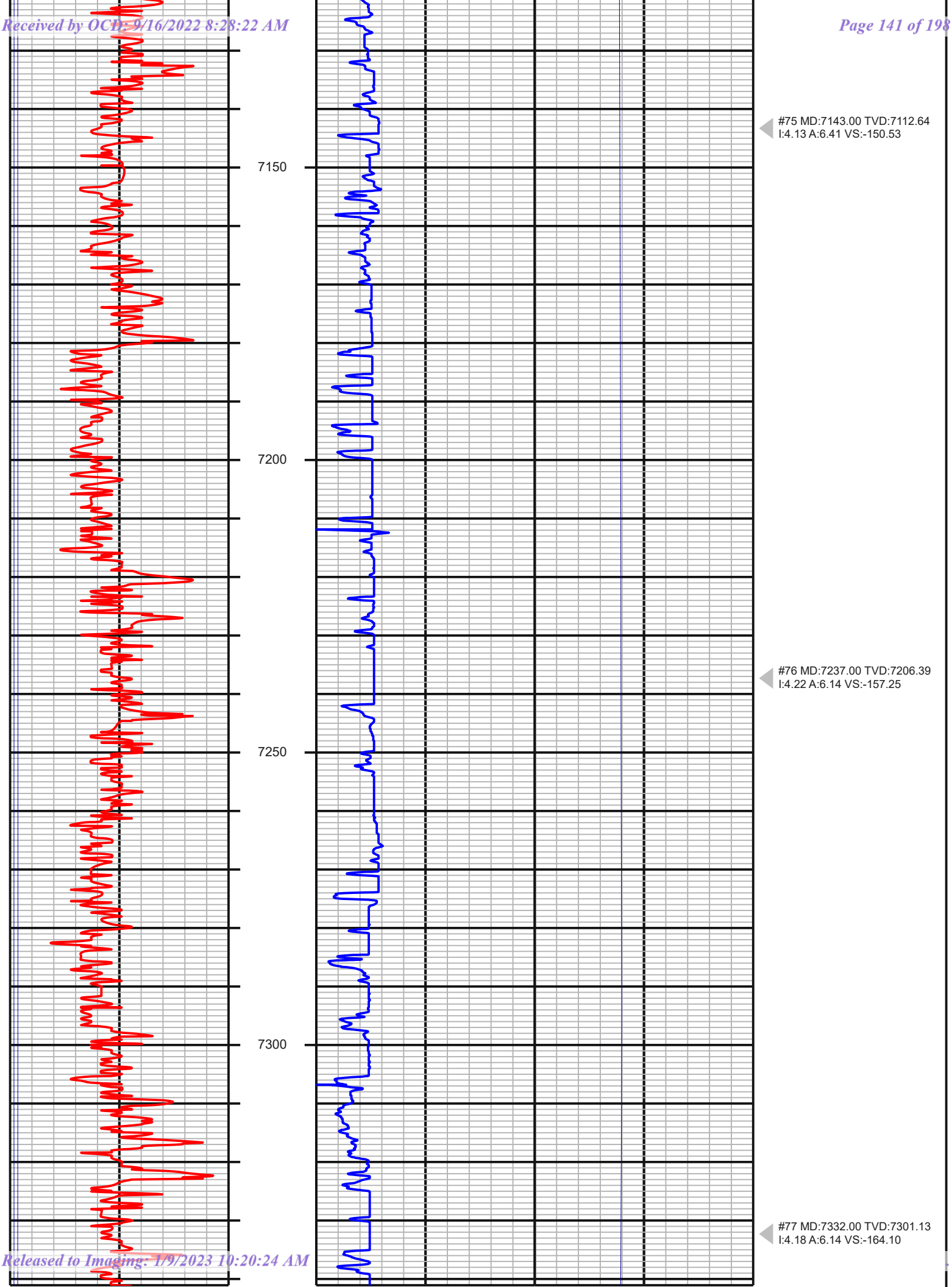

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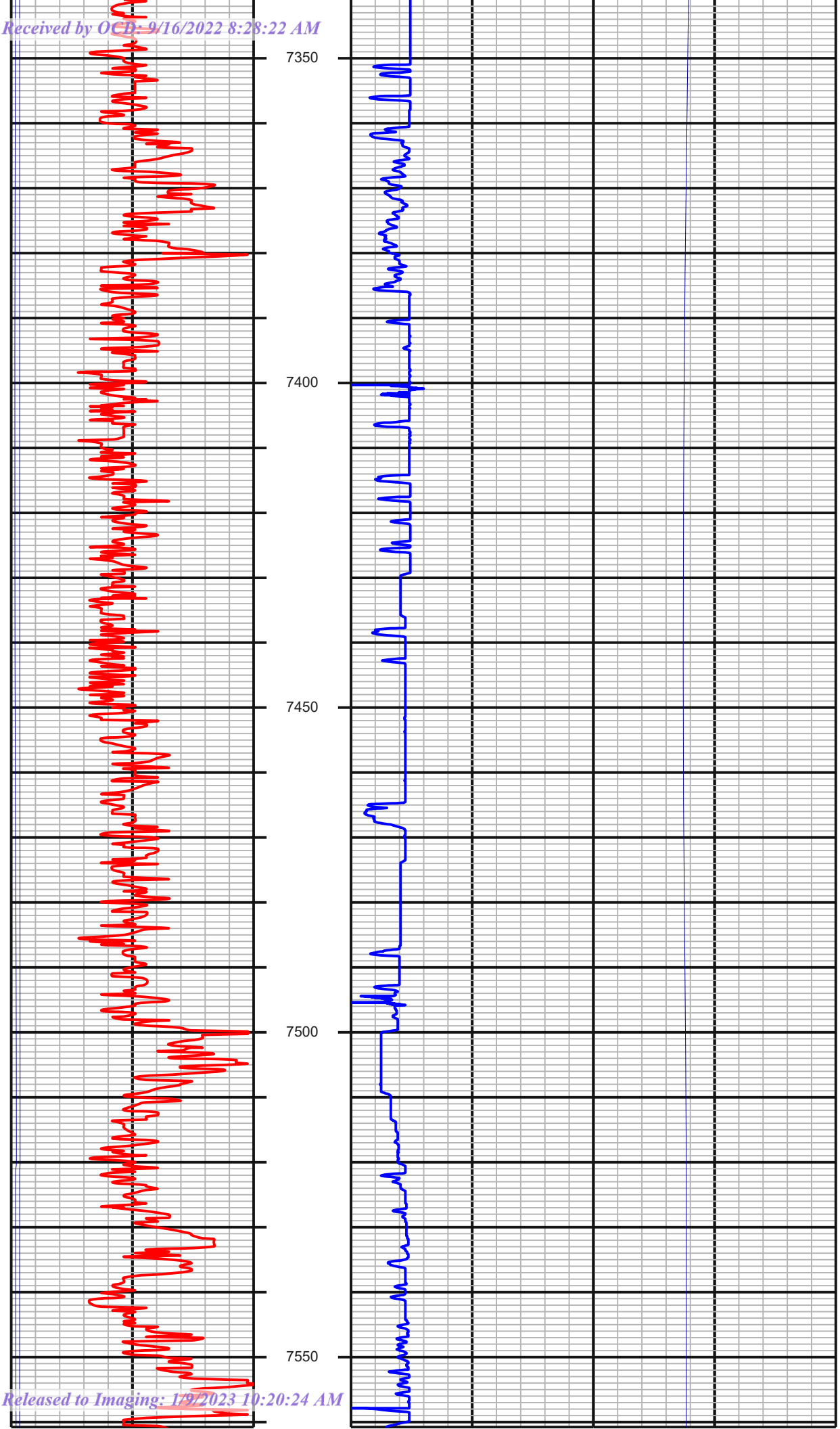
7350
7400
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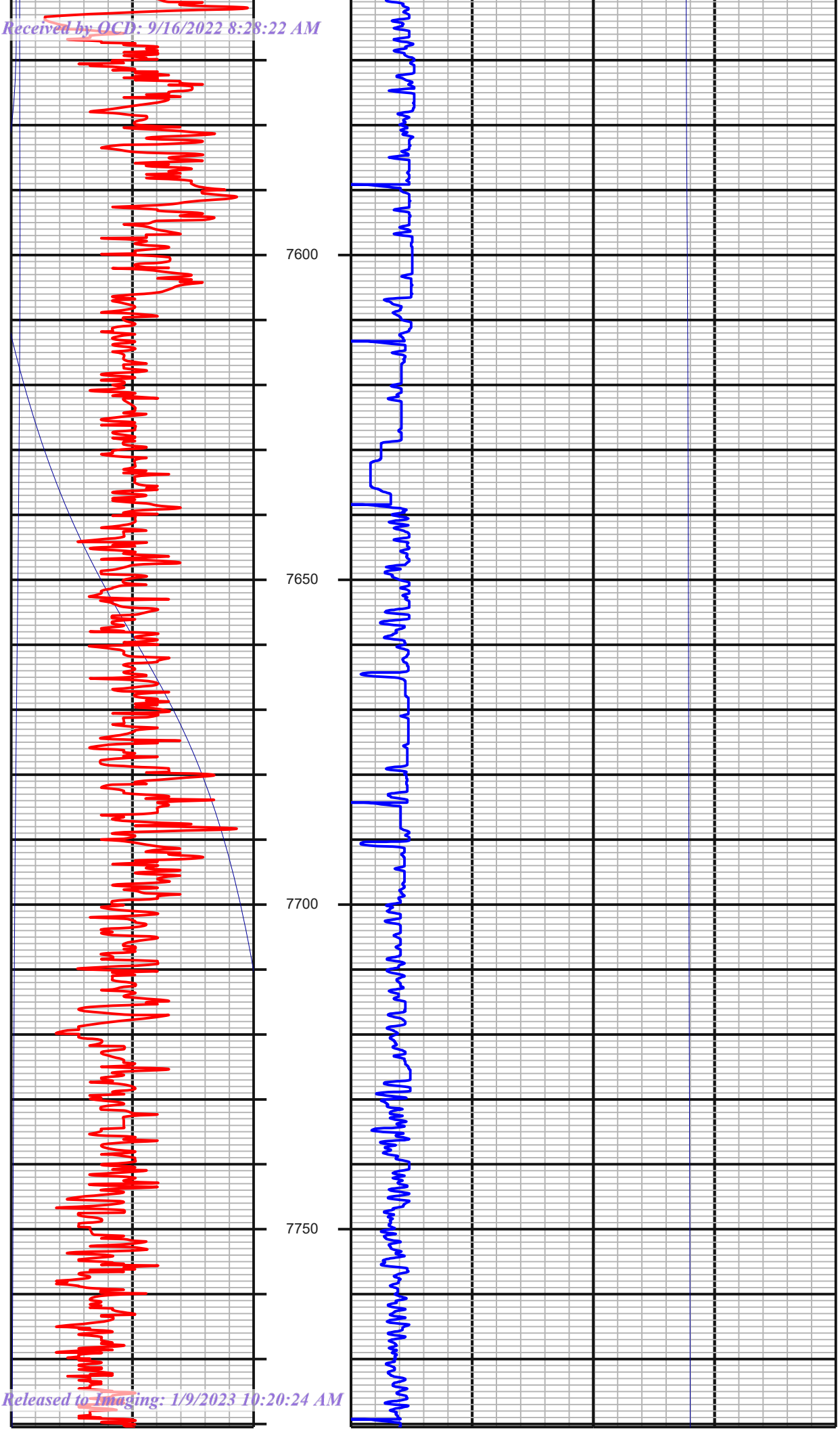
7500
7550
#78 MD:7426.00 TVD:7394.88
I:4.18 A:5.44 VS:-170.84
#79 MD:7520.00 TVD:7488.62
I:4.31 A:7.55 VS:-177.68


7600
7650
7700
7750
#80 MD:7615.00 TVD:7583.37
I:4.09 A:6.50 VS:-184.50
#81 MD:7709.00 TVD:7677.25
I:1.58 A:352.34 VS:-189.08

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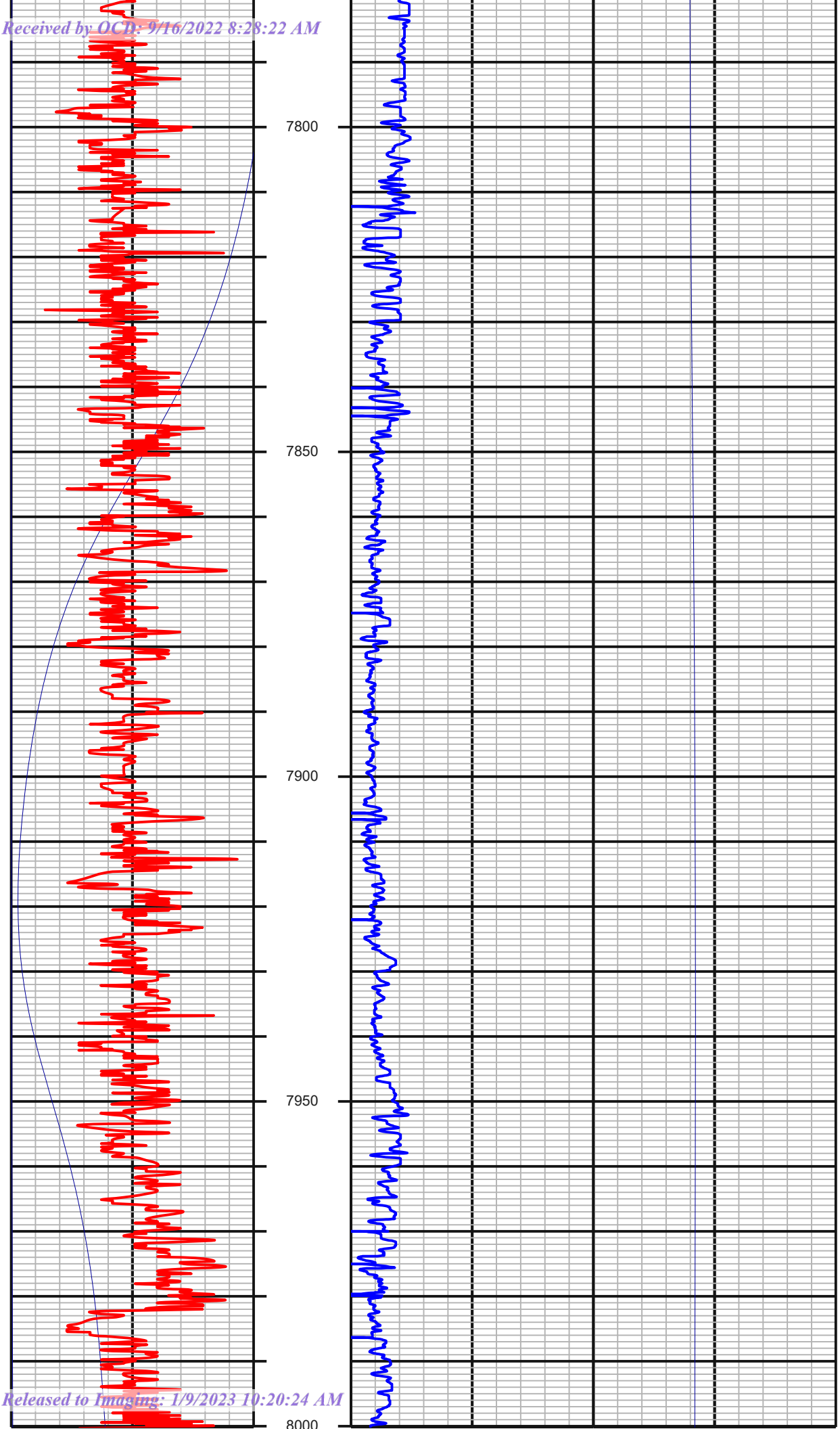

#82 MD:7803.00 TVD:7771.24
I:0.09 A:358.23 VS:-190.45

#83 MD:7897.00 TVD:7865.24
I:0.09 A:22.49 VS:-190.59

#84 MD:7990.00 TVD:7958.23
I:0.57 A:131.56 VS:-190.33

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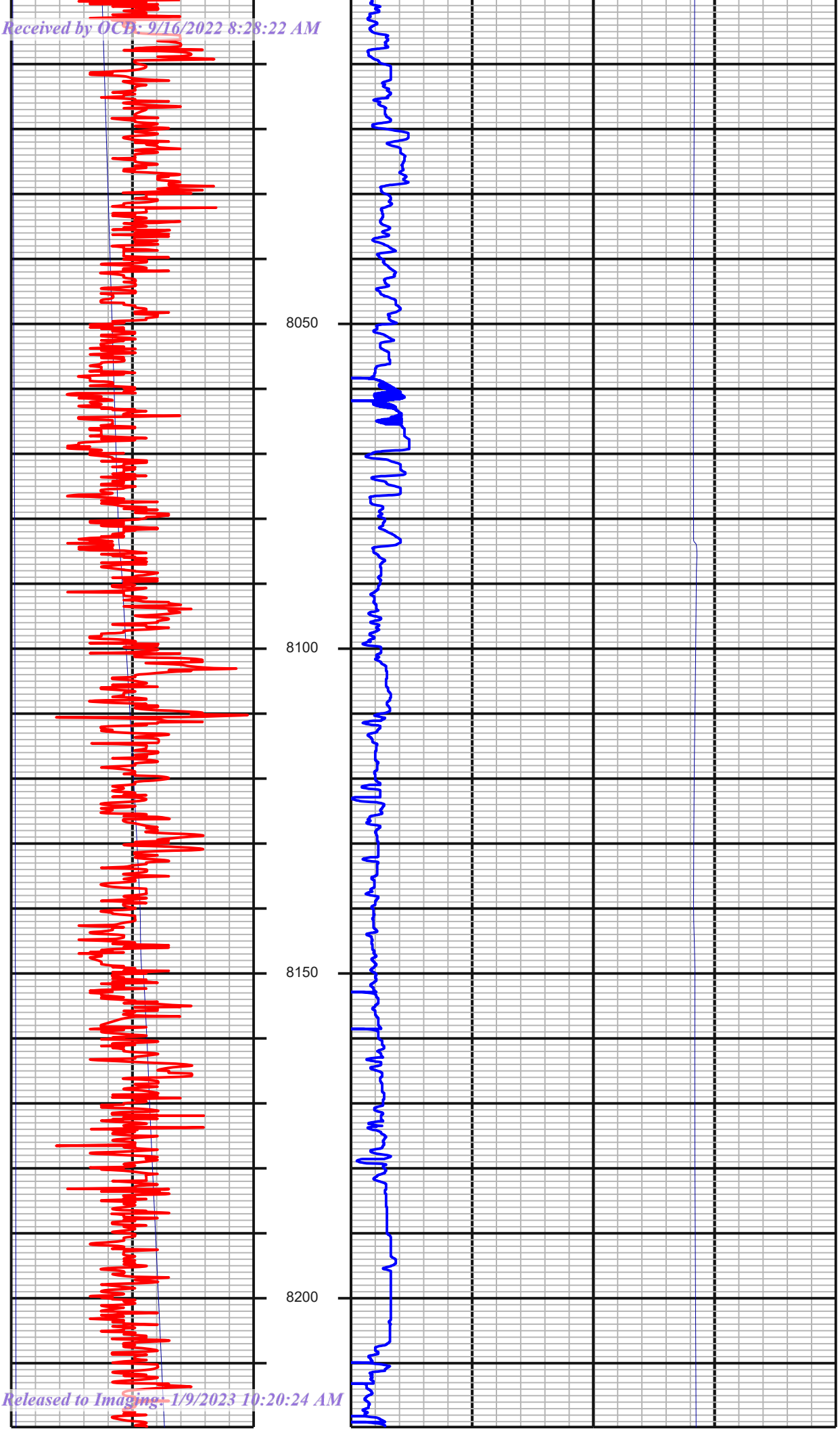
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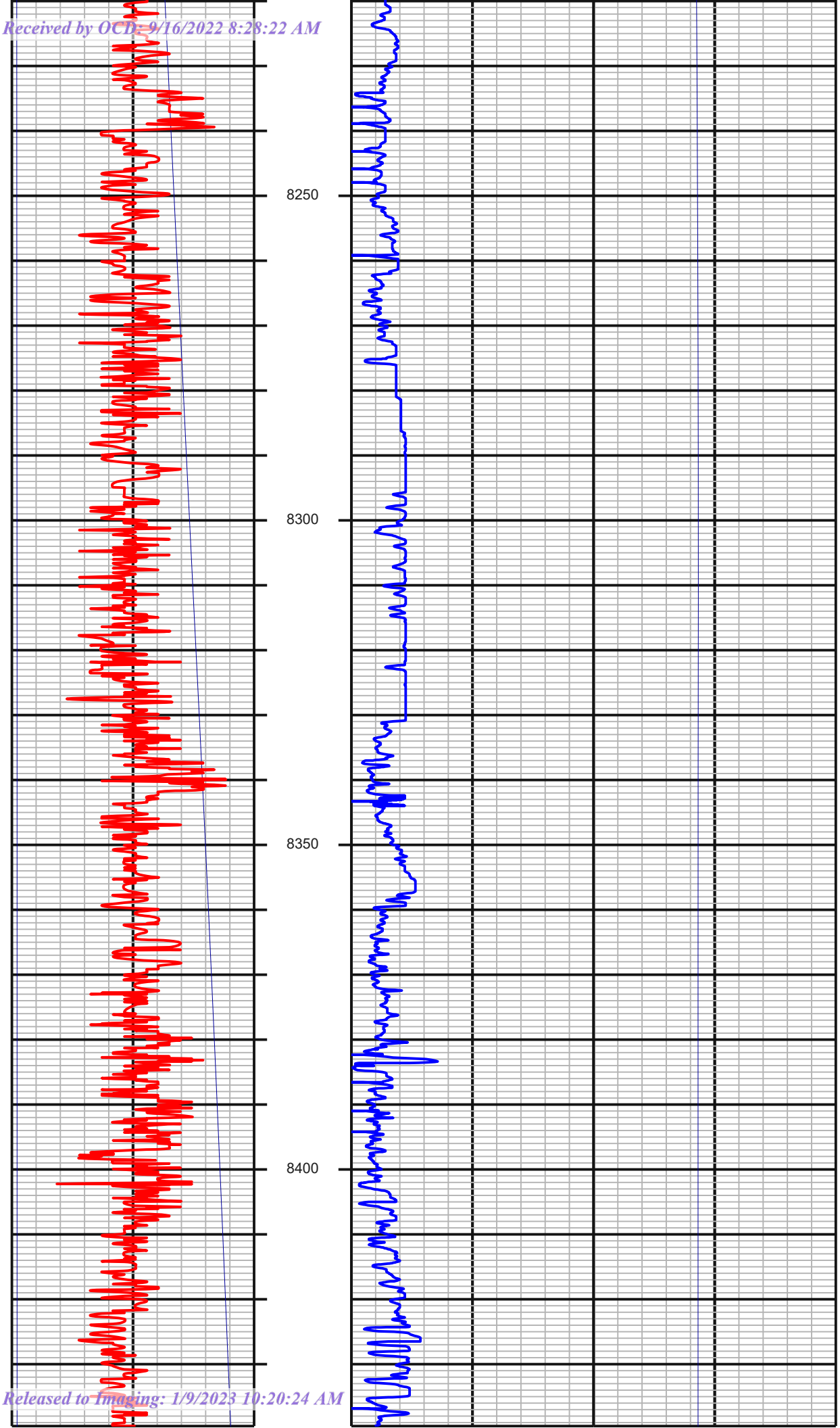
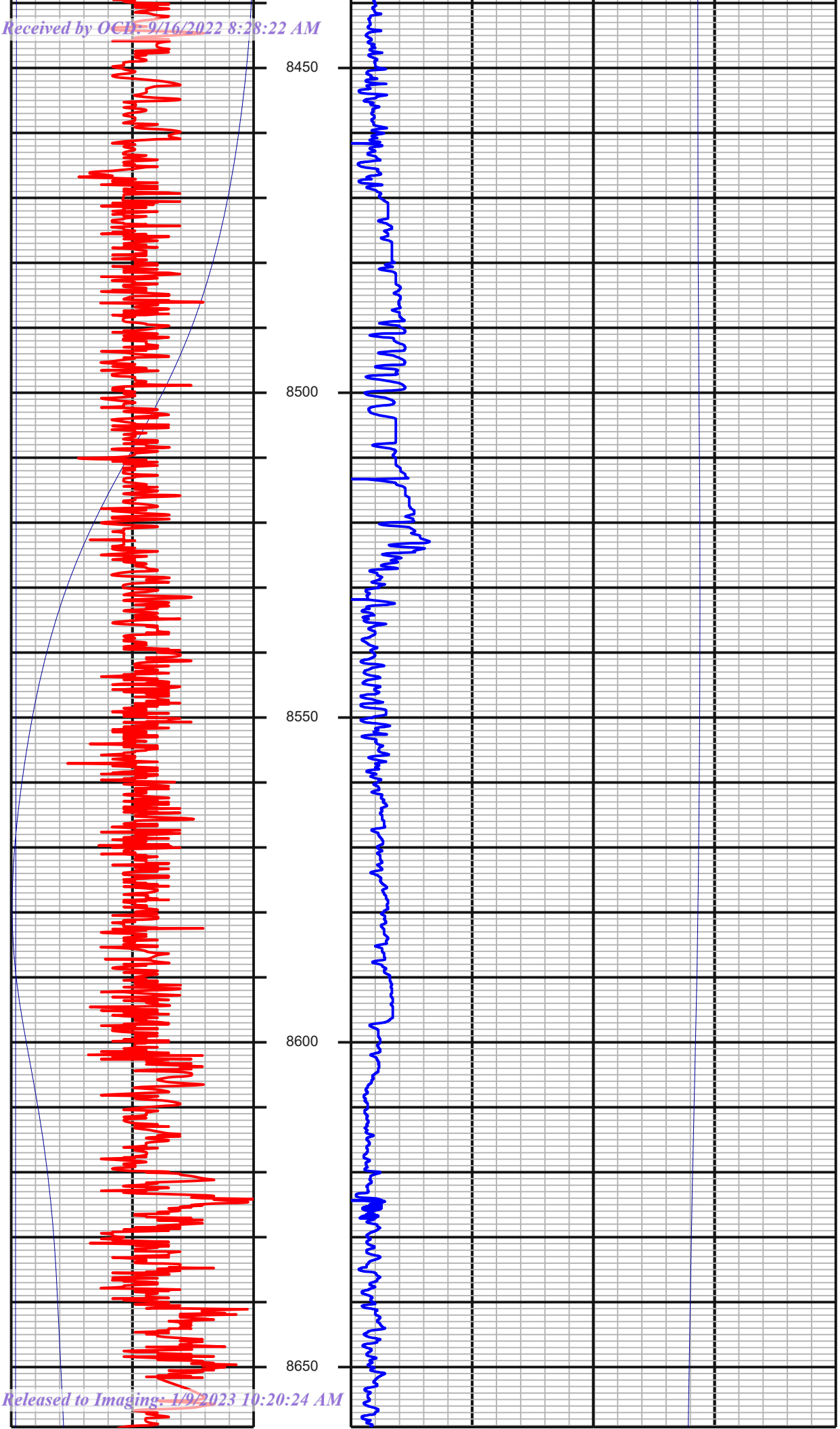
8100
8150
8200
#85 MD:8085.00 TVD:8053.21
I:1.71 A:160.30 VS:-188.62
#86 MD:8179.00 TVD:8147.17
I:2.20 A:209.17 VS:-185.76

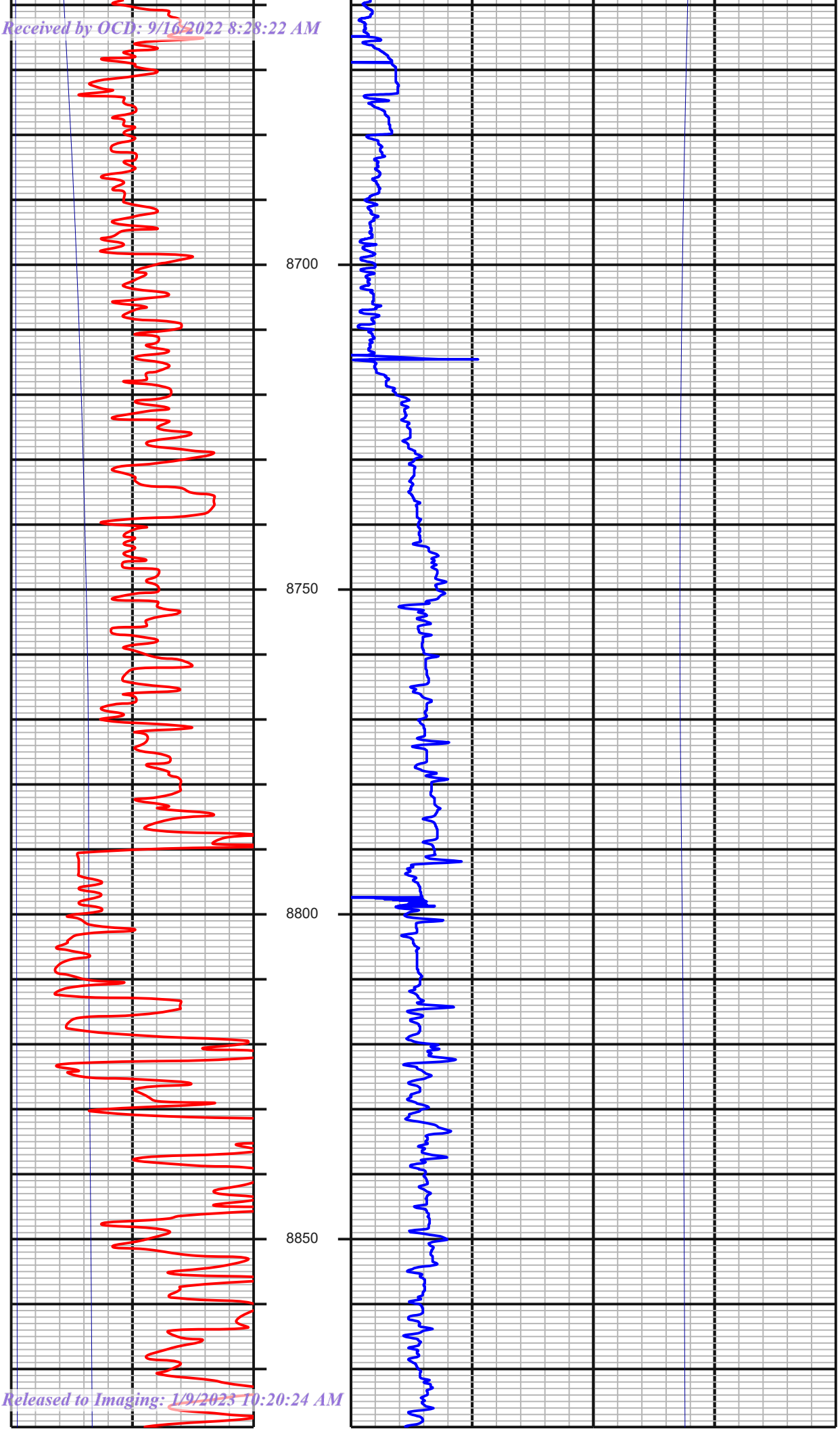

8250
8300
8350
8400
#87 MD:8273.00 TVD:8241.09
I:2.46 A:251.71 VS:-183.77
#88 MD:8367.00 TVD:8335.01
I:2.51 A:295.13 VS:-184.29

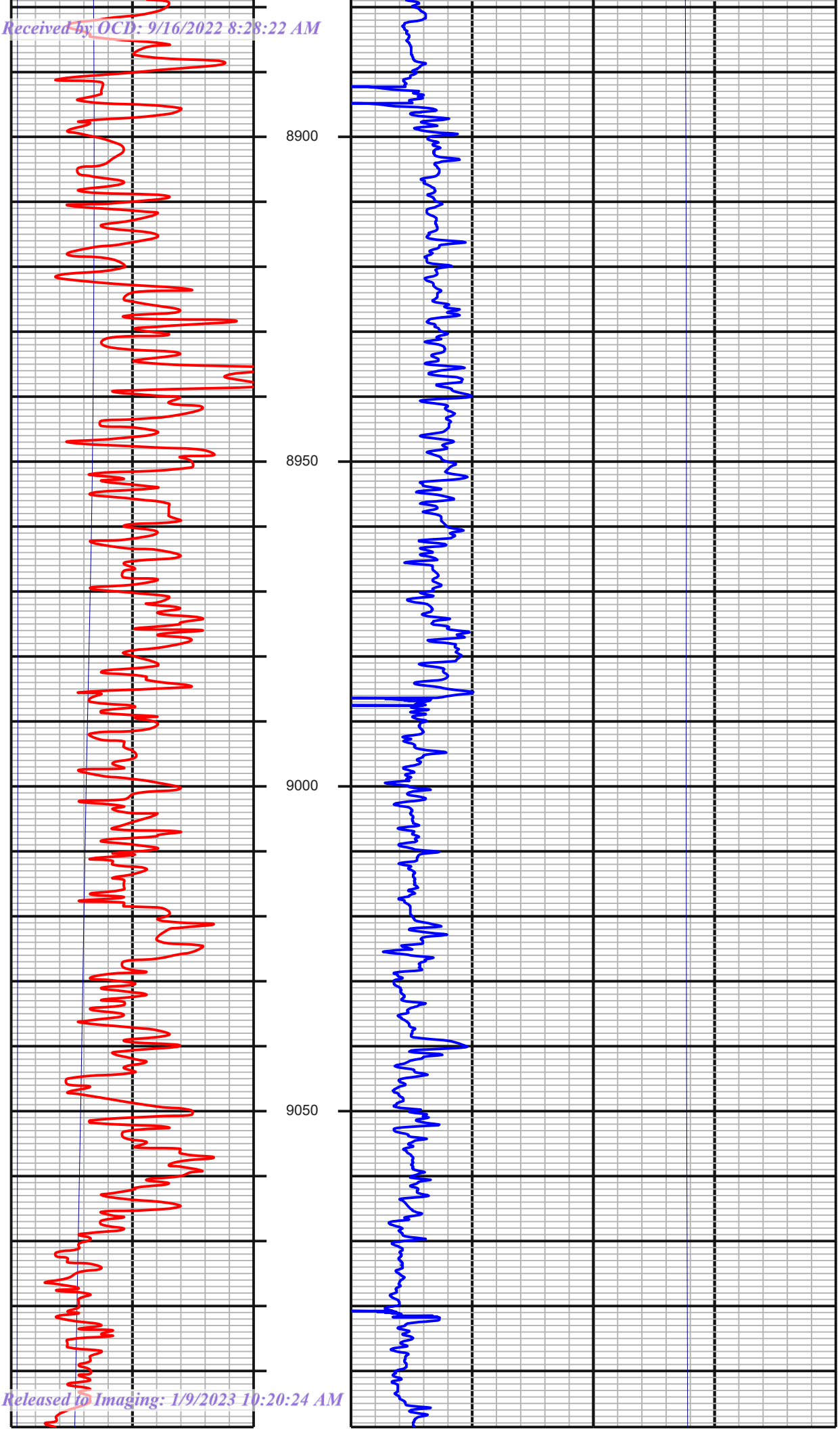


#89 MD:8462.00 TVD:8429.93
I:2.51 A:334.33 VS:-187.25

#90 MD:8556.00 TVD:8523.86
I:2.29 A:22.58 VS:-190.84

#91 MD:8638.00 TVD:8605.80
I:2.11 A:67.49 VS:-192.78


8700
8750
8800
8850
#92 MD:8732.00 TVD:8699.74
I:2.24 A:106.78 VS:-192.66
#93 MD:8827.00 TVD:8794.65
I:2.73 A:116.27 VS:-190.84



#94 MD:8921.00 TVD:8888.53
I:3.12 A:122.69 VS:-188.16

#95 MD:9015.00 TVD:8982.39
I:3.12 A:108.89 VS:-185.62

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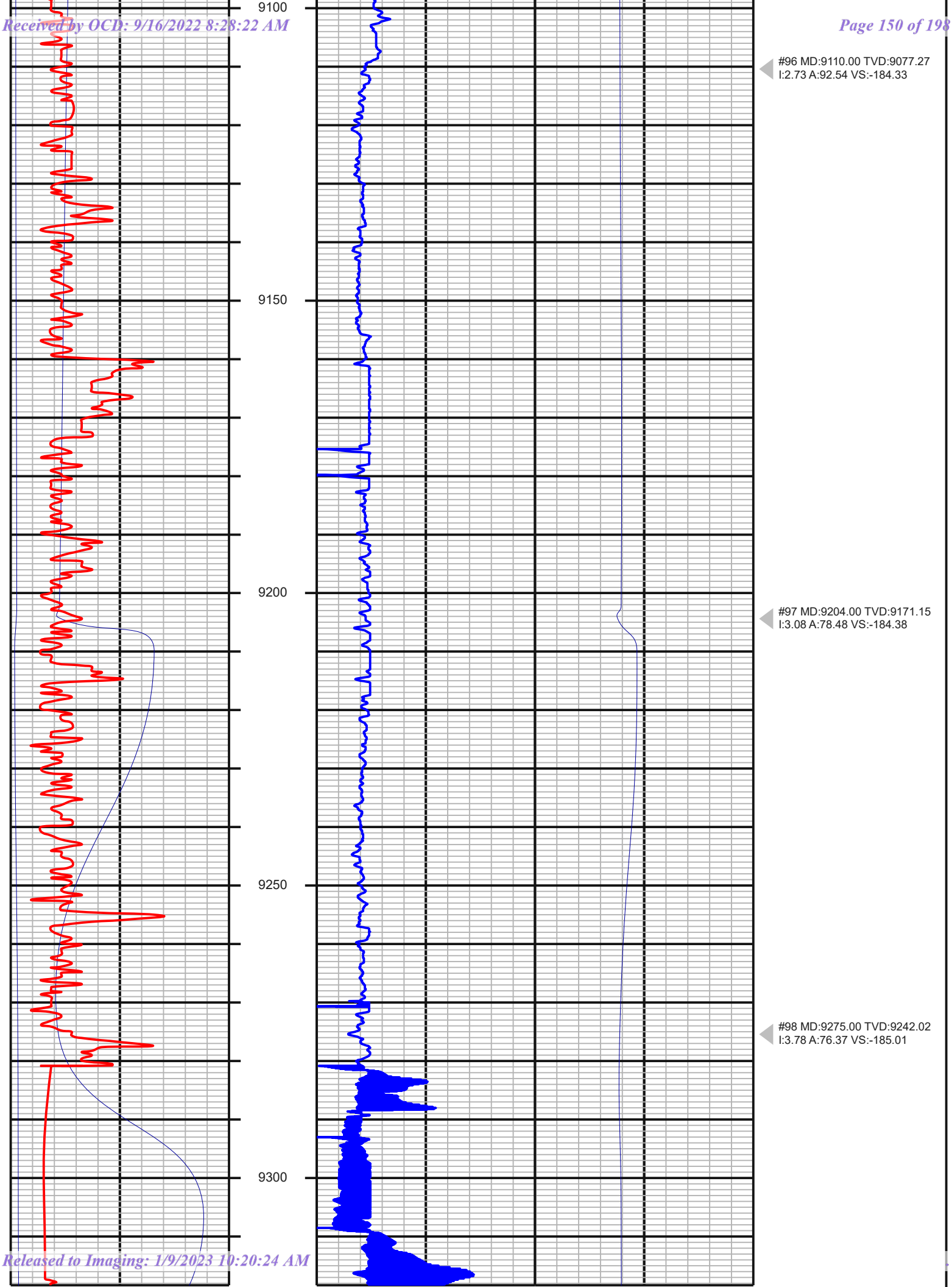

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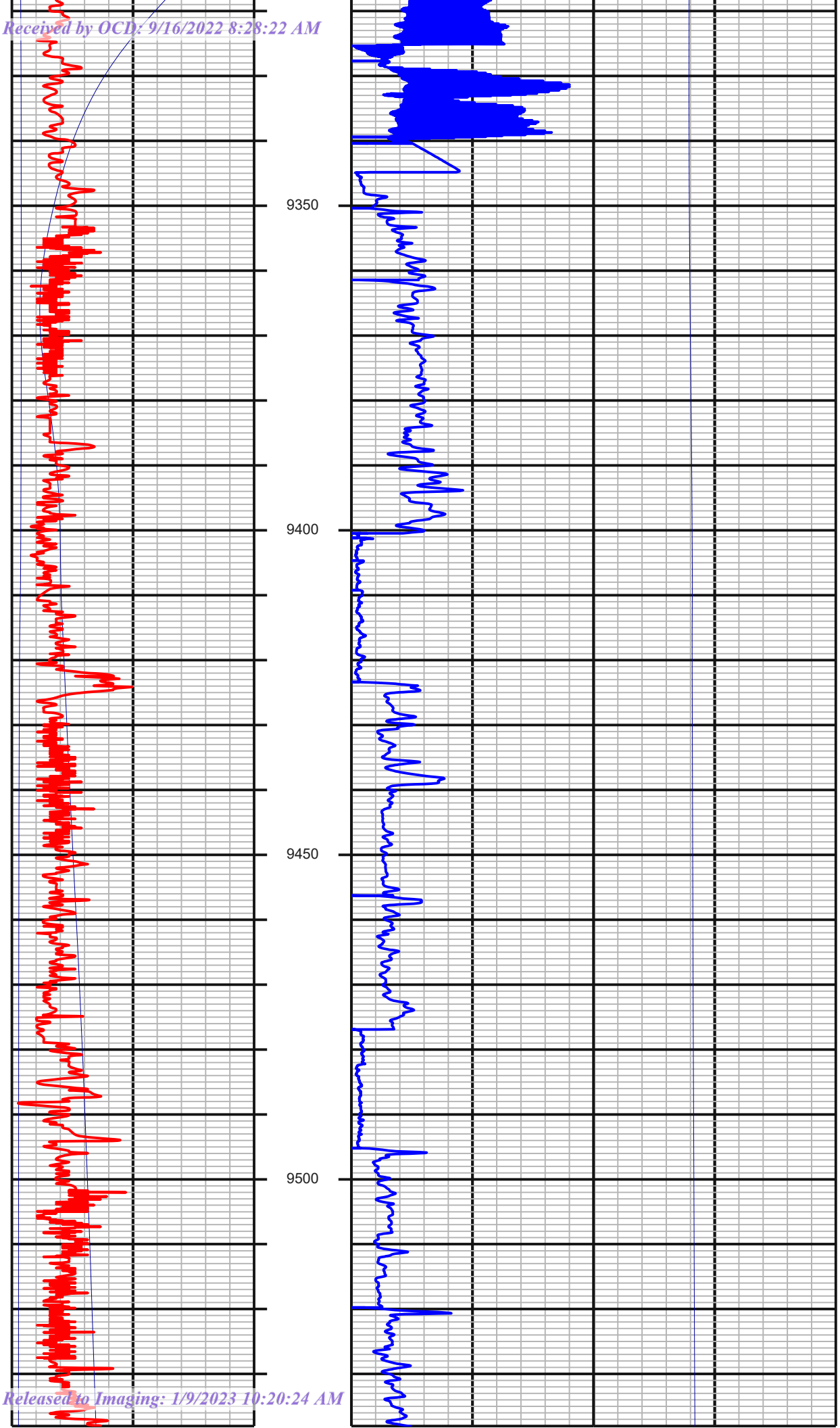
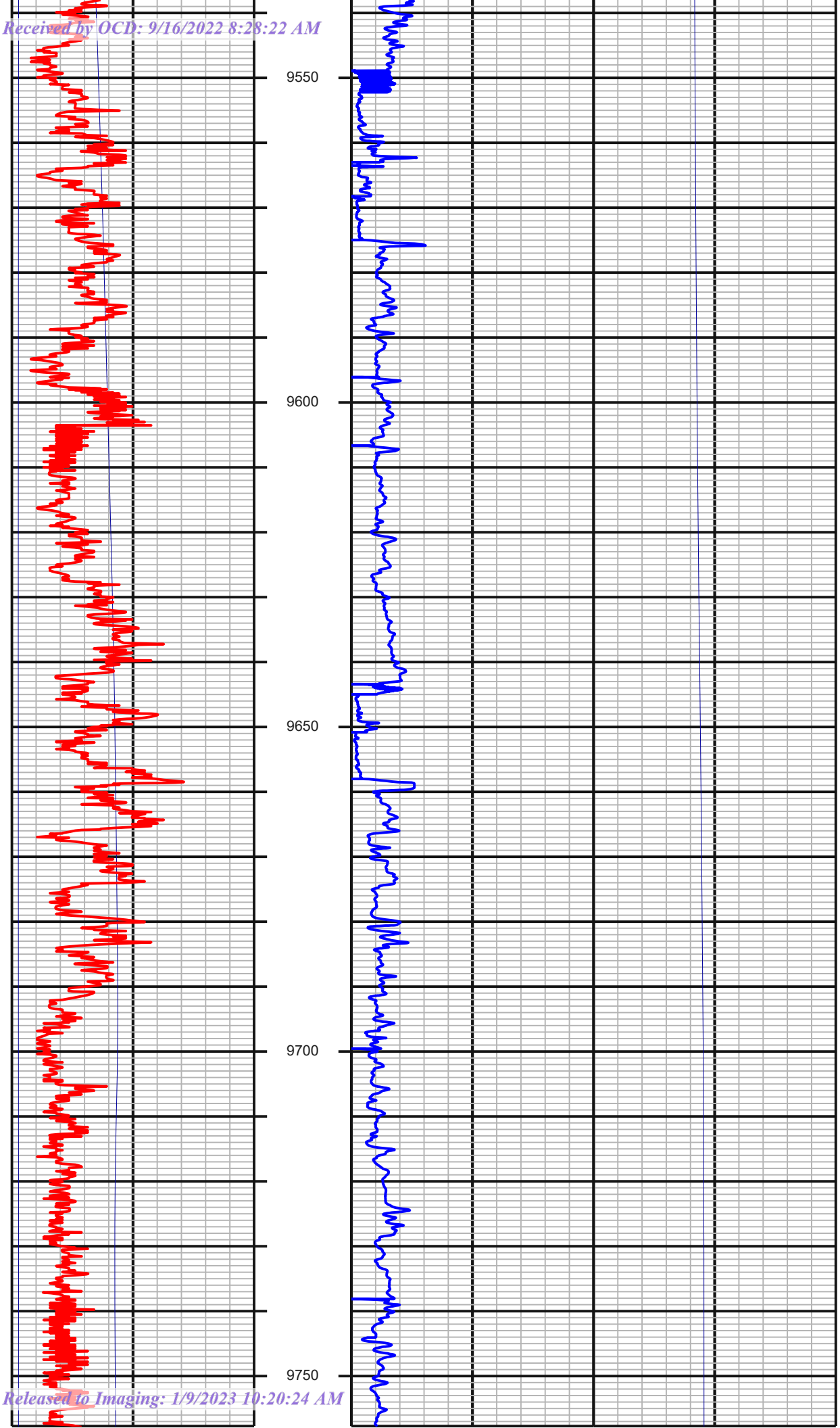

9350
9400
9450
9500
#99 MD:9401.00 TVD:9367.70
I:4.35 A:71.93 VS:-186.82
#100 MD:9496.00 TVD:9462.50
I:3.30 A:109.99 VS:-186.55

Received by OCD: 9/16/2022 8:28:22 AM



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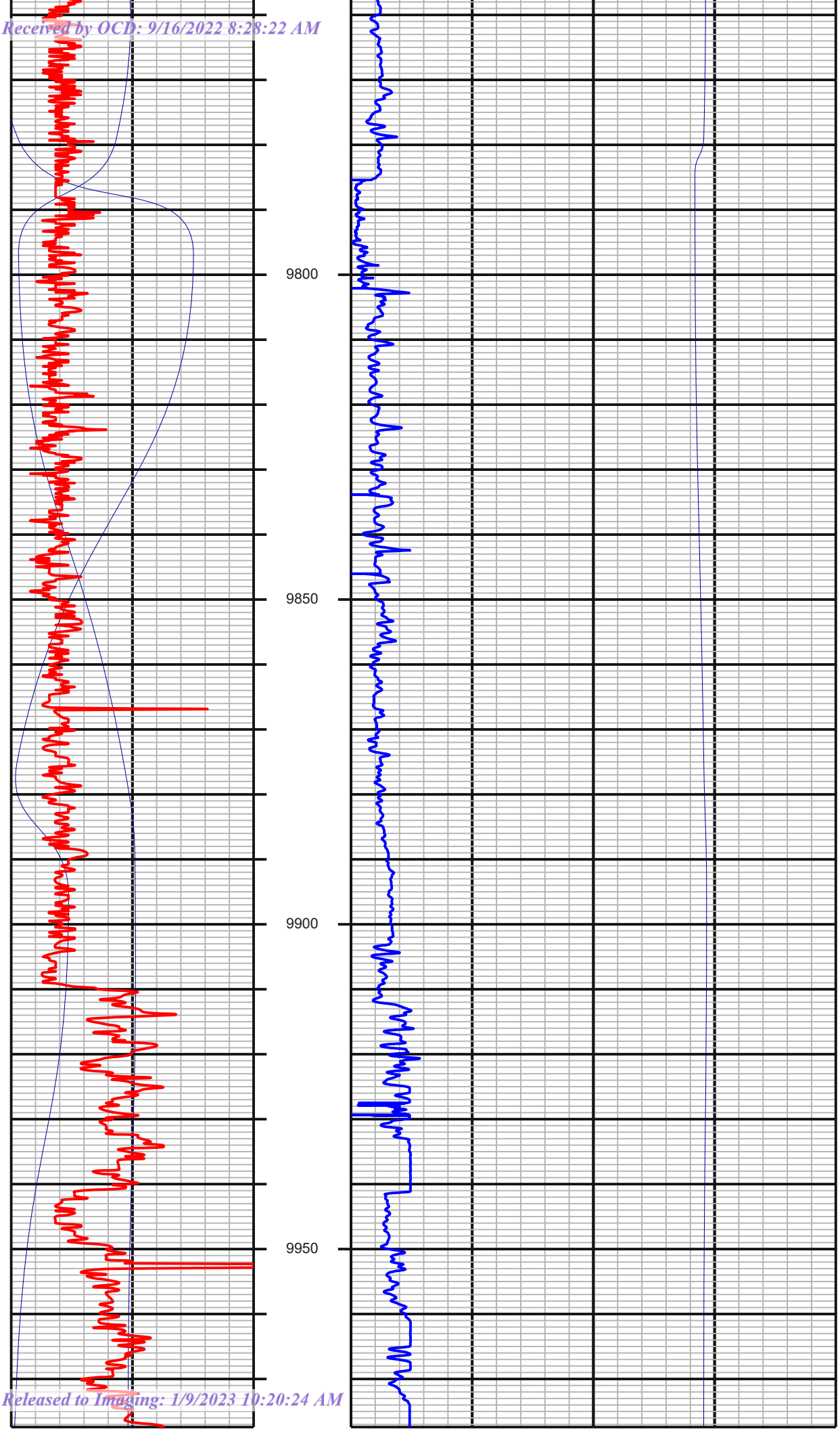
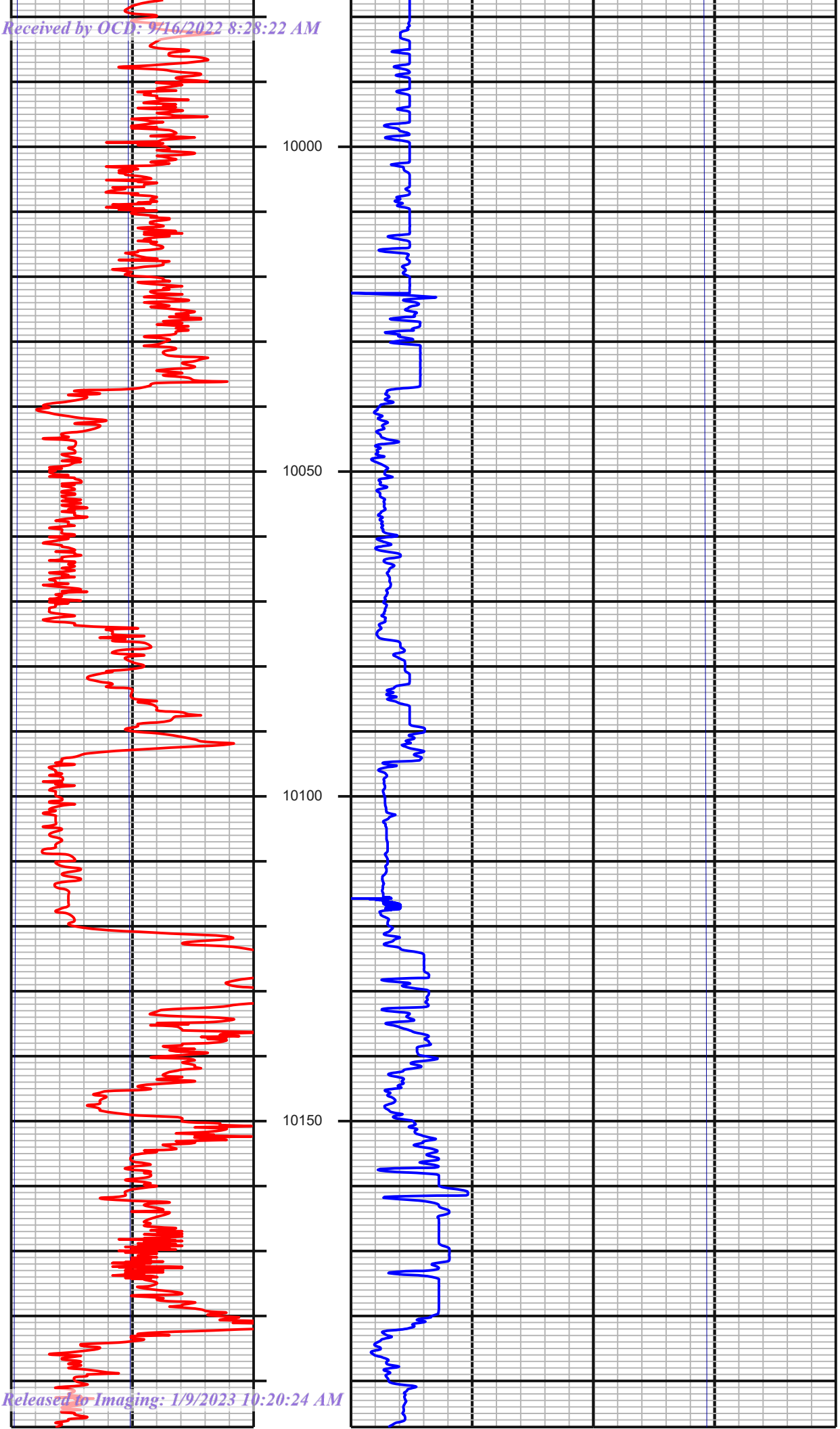


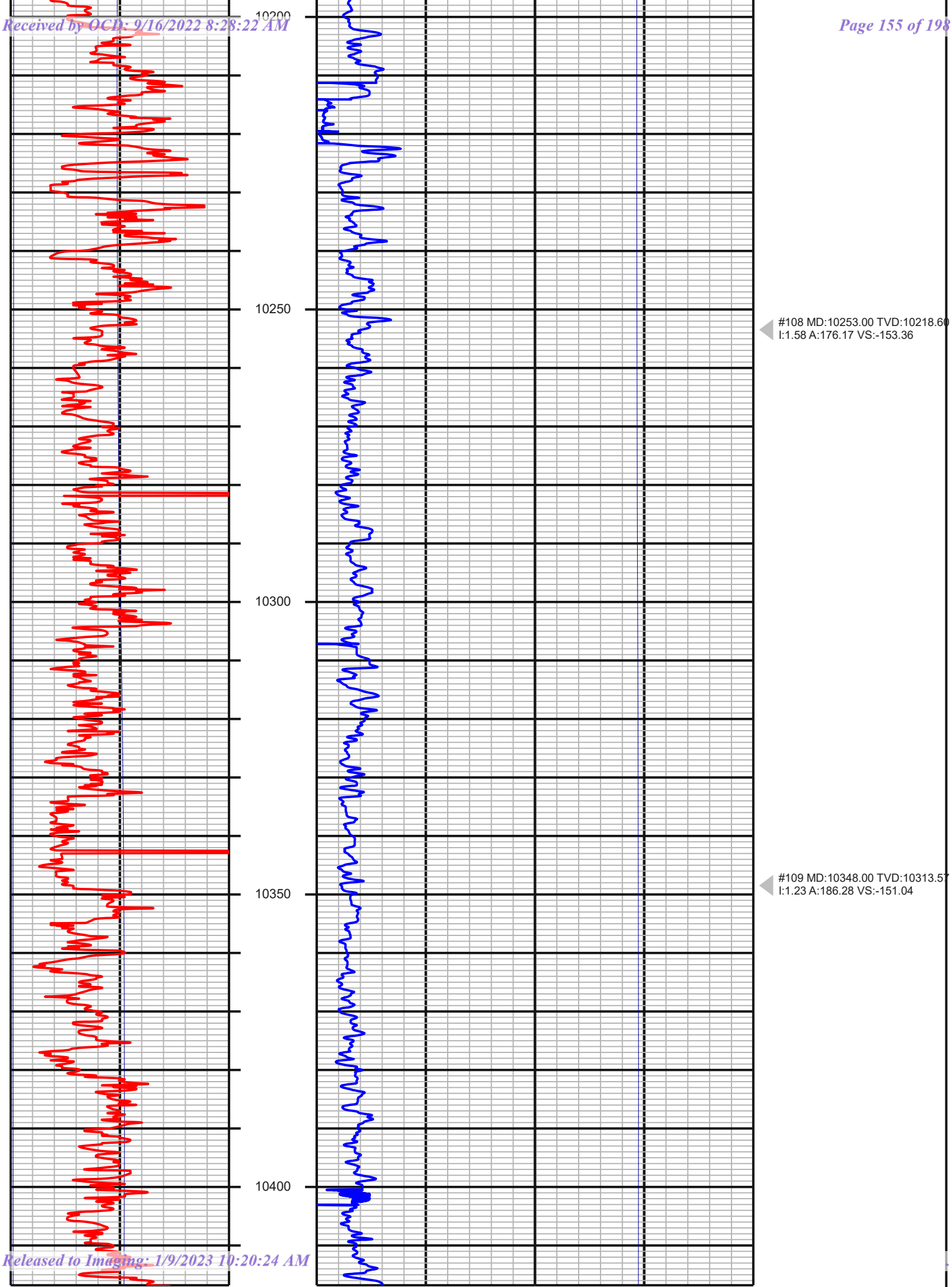
#103 MD:9779.00 TVD:9745.08
I:3.08 A:156.48 VS:-173.93

#104 MD:9874.00 TVD:9839.95
I:2.90 A:166.50 VS:-169.15

#105 MD:9968.00 TVD:9933.83
I:2.90 A:173.62 VS:-164.42


10000
10050
10100
10150
#106 MD:10063.00 TVD:10028.7
I:2.86 A:173.97 VS:-159.65
#107 MD:10158.00 TVD:10123.64
I:1.58 A:176.44 VS:-155.98

Received by OCD: 9/16/2022 8:28:22 AM



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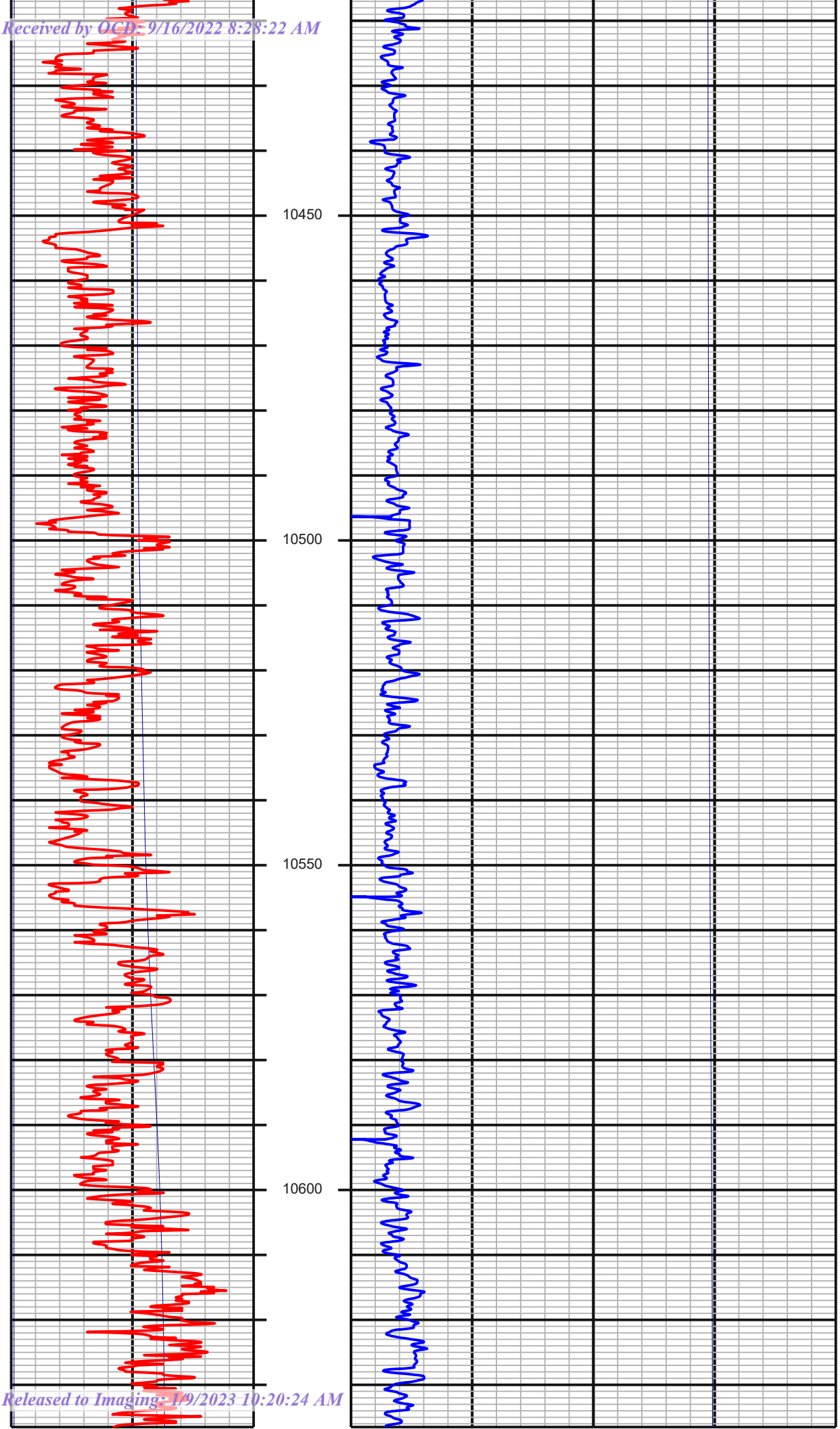

#110 MD:10442.00 TVD:10407.55
I:1.41 A:186.28 VS:-148.92

#111 MD:10537.00 TVD:10502.52
I:1.23 A:197.00 VS:-146.82

#112 MD:10631.00 TVD:10596.50
I:1.32 A:227.32 VS:-145.20

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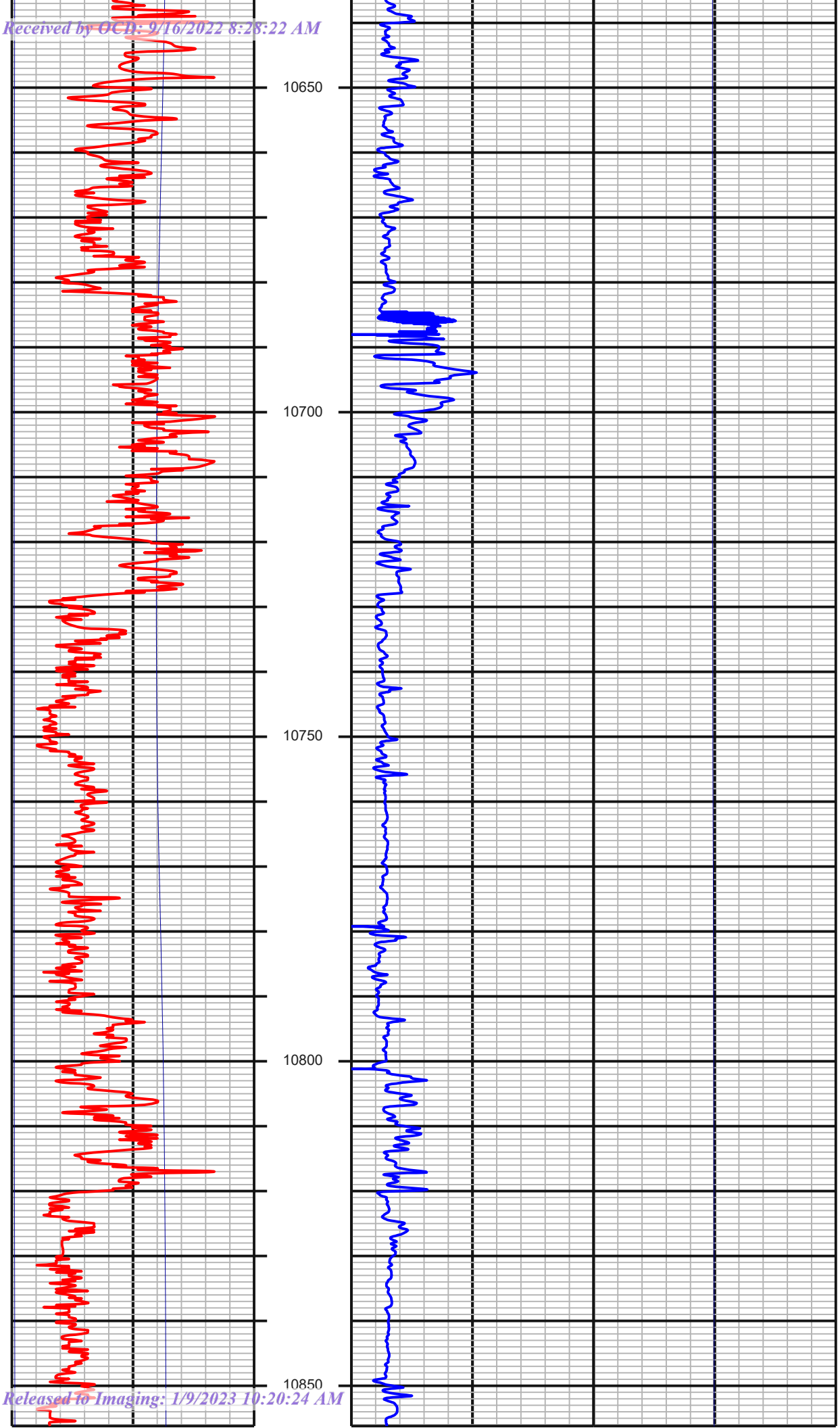
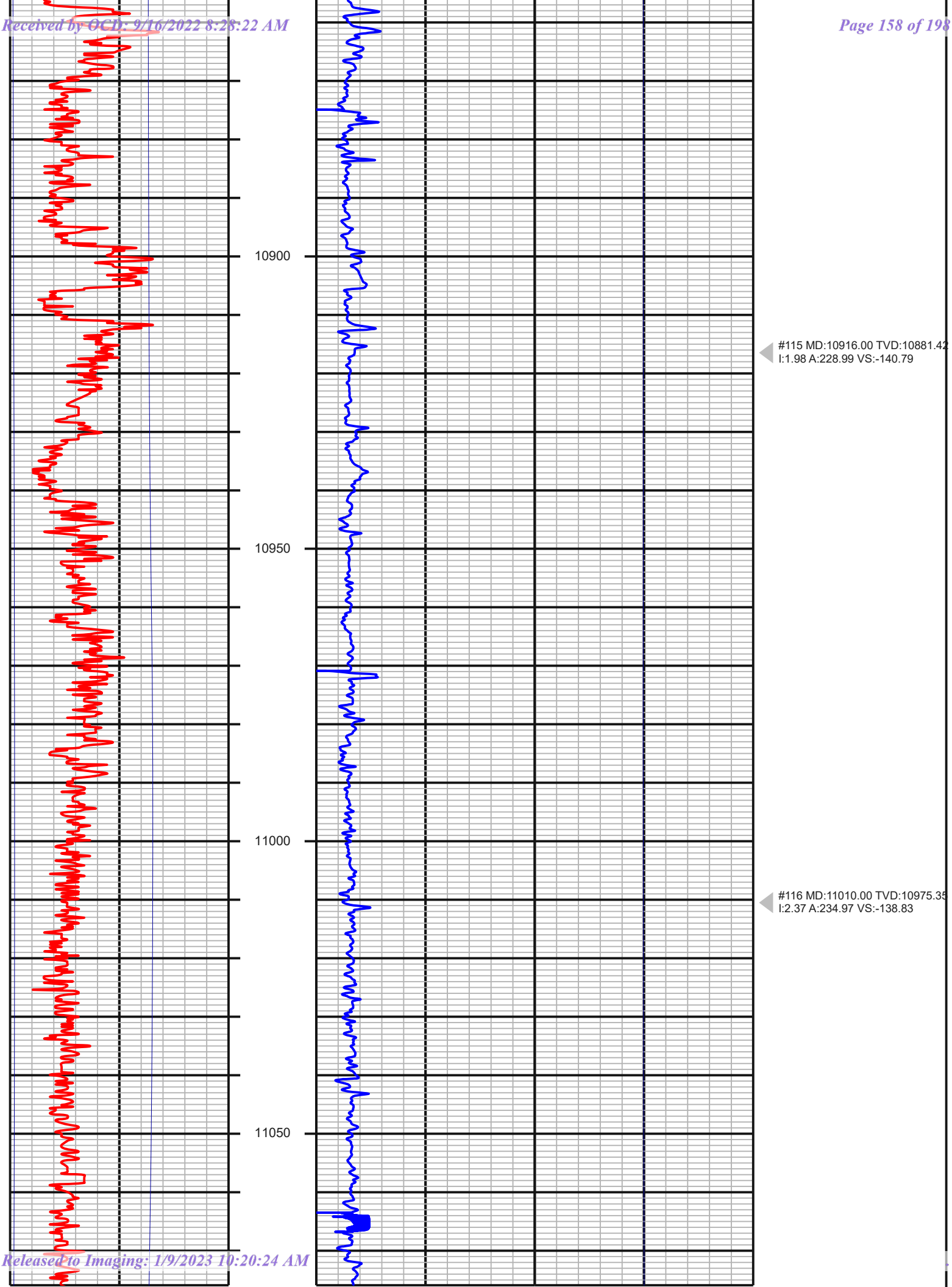
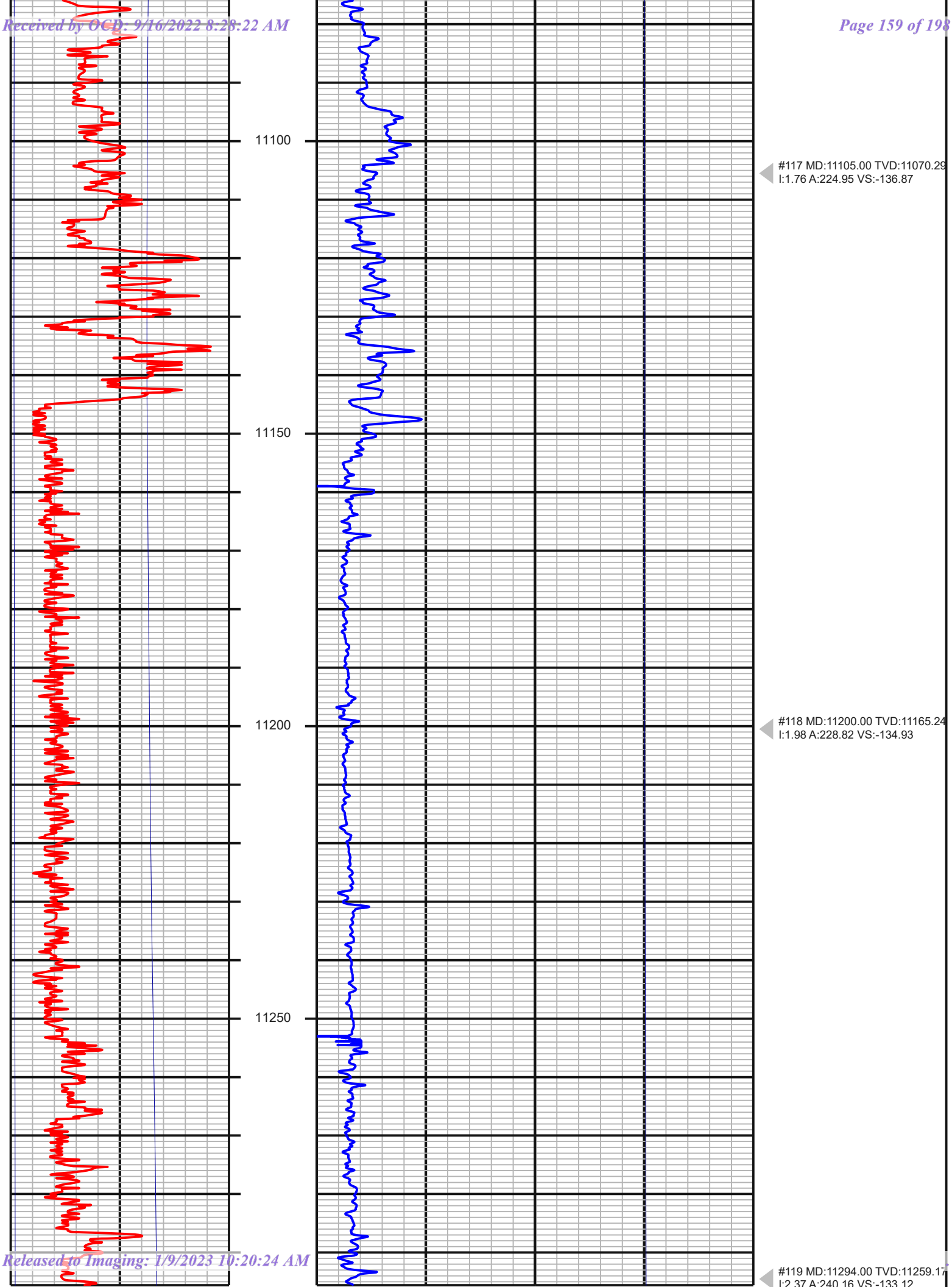

10650
10700
10750
10800
10850
#113 MD:10726.00 TVD:10691.48
I:1.14 A:214.49 VS:-143.79
#114 MD:10821.00 TVD:10786.46
I:1.23 A:226.97 VS:-142.41


10900
10950
11000
11050
#115 MD:10916.00 TVD:10881.42
I:1.98 A:228.99 VS:-140.79
#116 MD:11010.00 TVD:10975.35
I:2.37 A:234.97 VS:-138.83

Received by OCD: 9/16/2022 8:28:22 AM



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11350

11400

11450

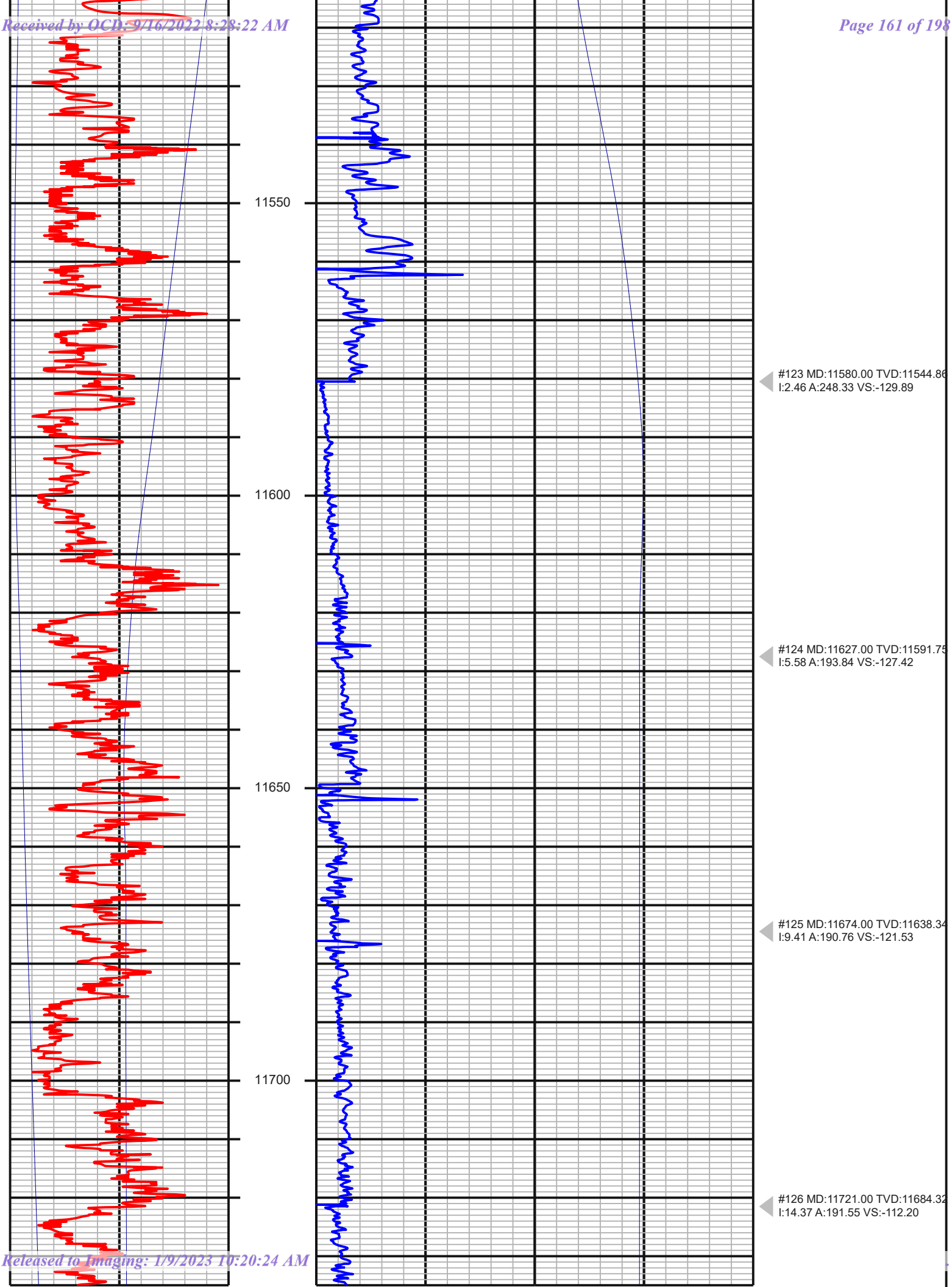
11500

#120 MD:11389.00 TVD:11354.09
I:2.33 A:247.80 VS:-131.68

#121 MD:11484.00 TVD:11448.98
I:3.16 A:259.14 VS:-130.78

#122 MD:11507.00 TVD:11471.95
I:3.12 A:258.00 VS:-130.63

Received by OCD: 9/16/2022 8:28:22 AM



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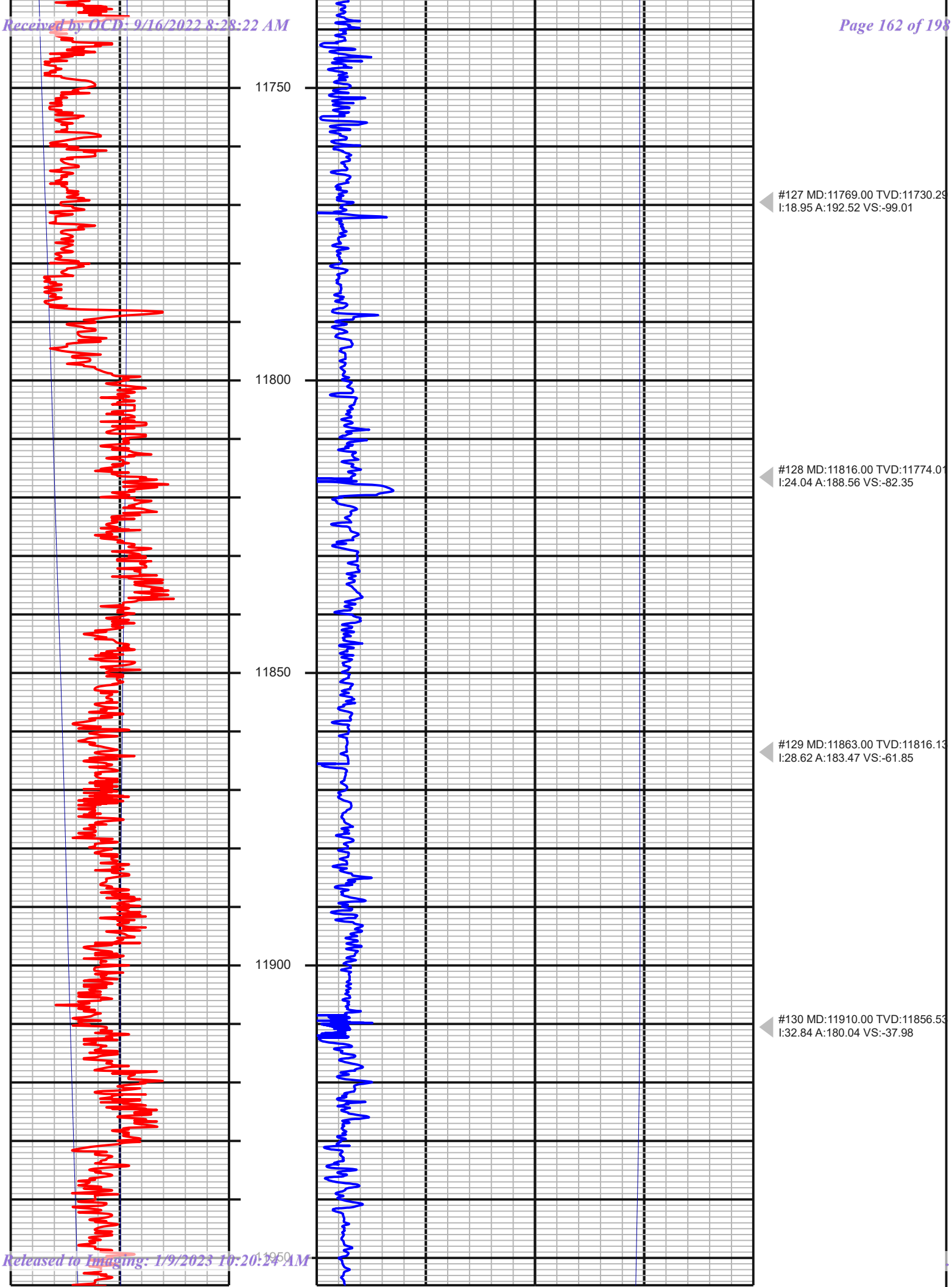
11750
11800
11850
11900
11950
#127 MD:11769.00 TVD:11730.29
I:18.95 A:192.52 VS:-99.01
#128 MD:11816.00 TVD:11774.01
I:24.04 A:188.56 VS:-82.35
#129 MD:11863.00 TVD:11816.13
I:28.62 A:183.47 VS:-61.85
#130 MD:11910.00 TVD:11856.53
I:32.84 A:180.04 VS:-37.98

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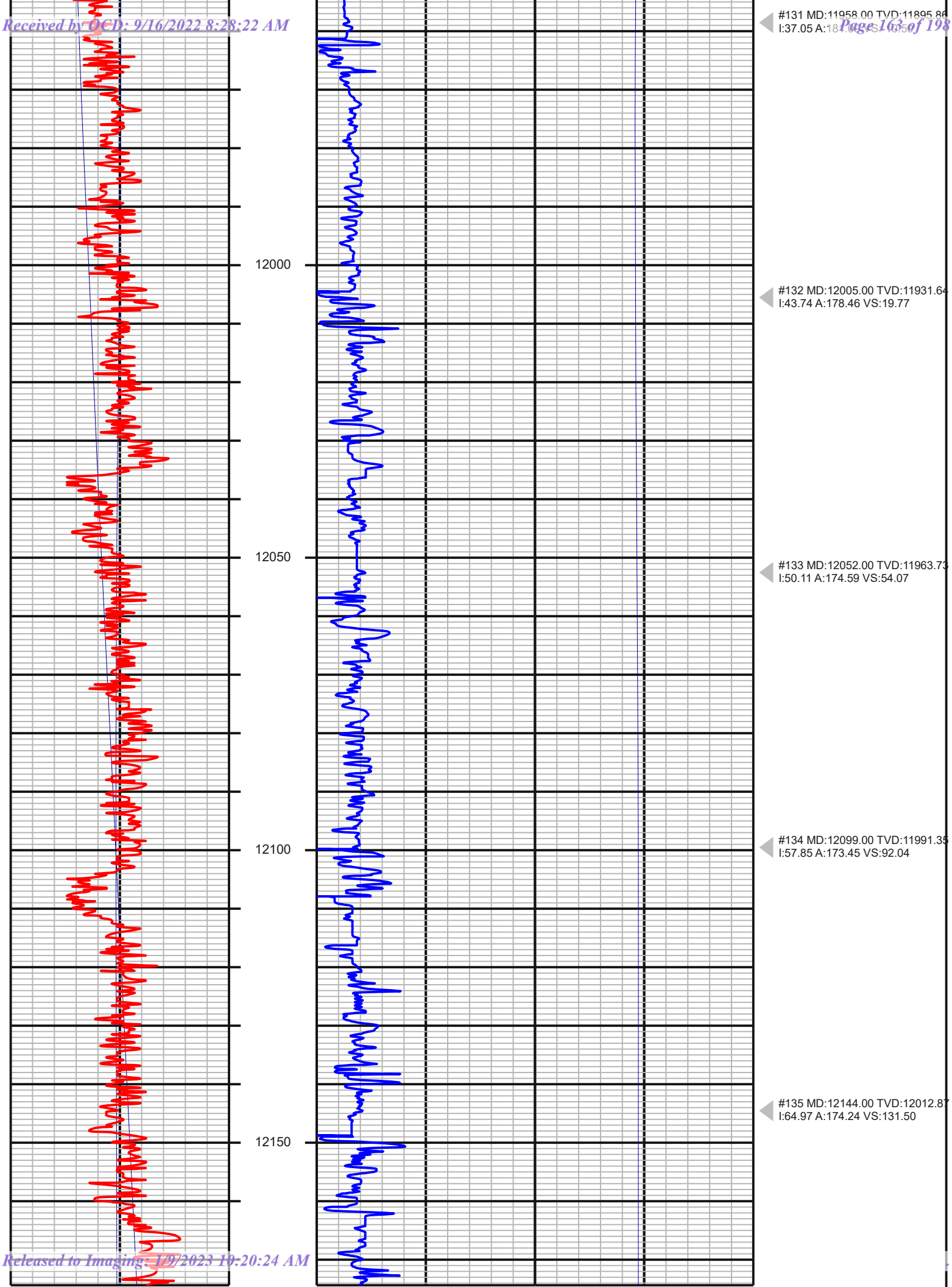

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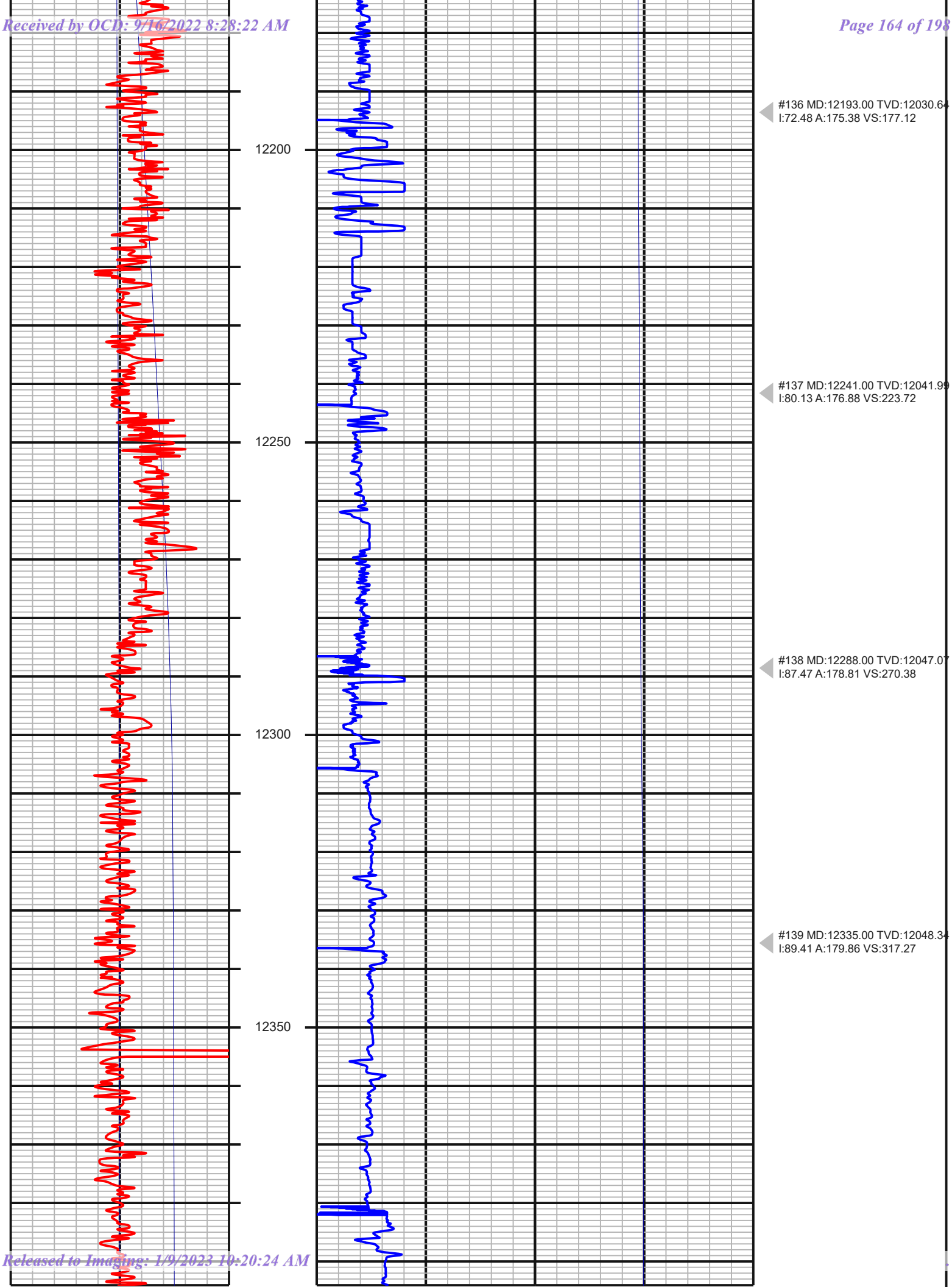
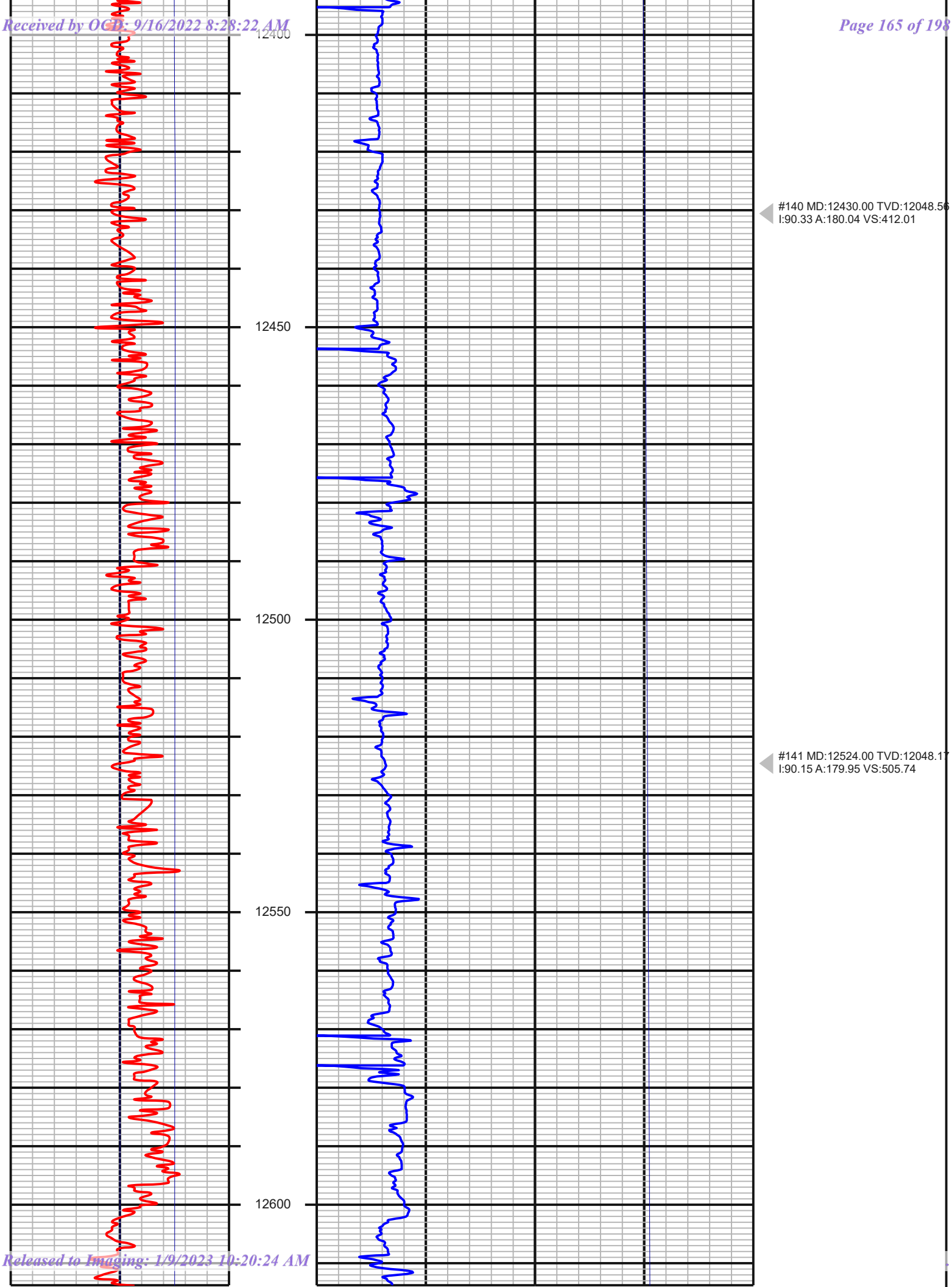

12200
12250
12300
12350
#136 MD:12193.00 TVD:12030.64
I:72.48 A:175.38 VS:177.12
#137 MD:12241.00 TVD:12041.99
I:80.13 A:176.88 VS:223.72
#138 MD:12288.00 TVD:12047.07
I:87.47 A:178.81 VS:270.38
#139 MD:12335.00 TVD:12048.34
I:89.41 A:179.86 VS:317.27

Received by OCD: 9/16/2022 8:28:22 AM



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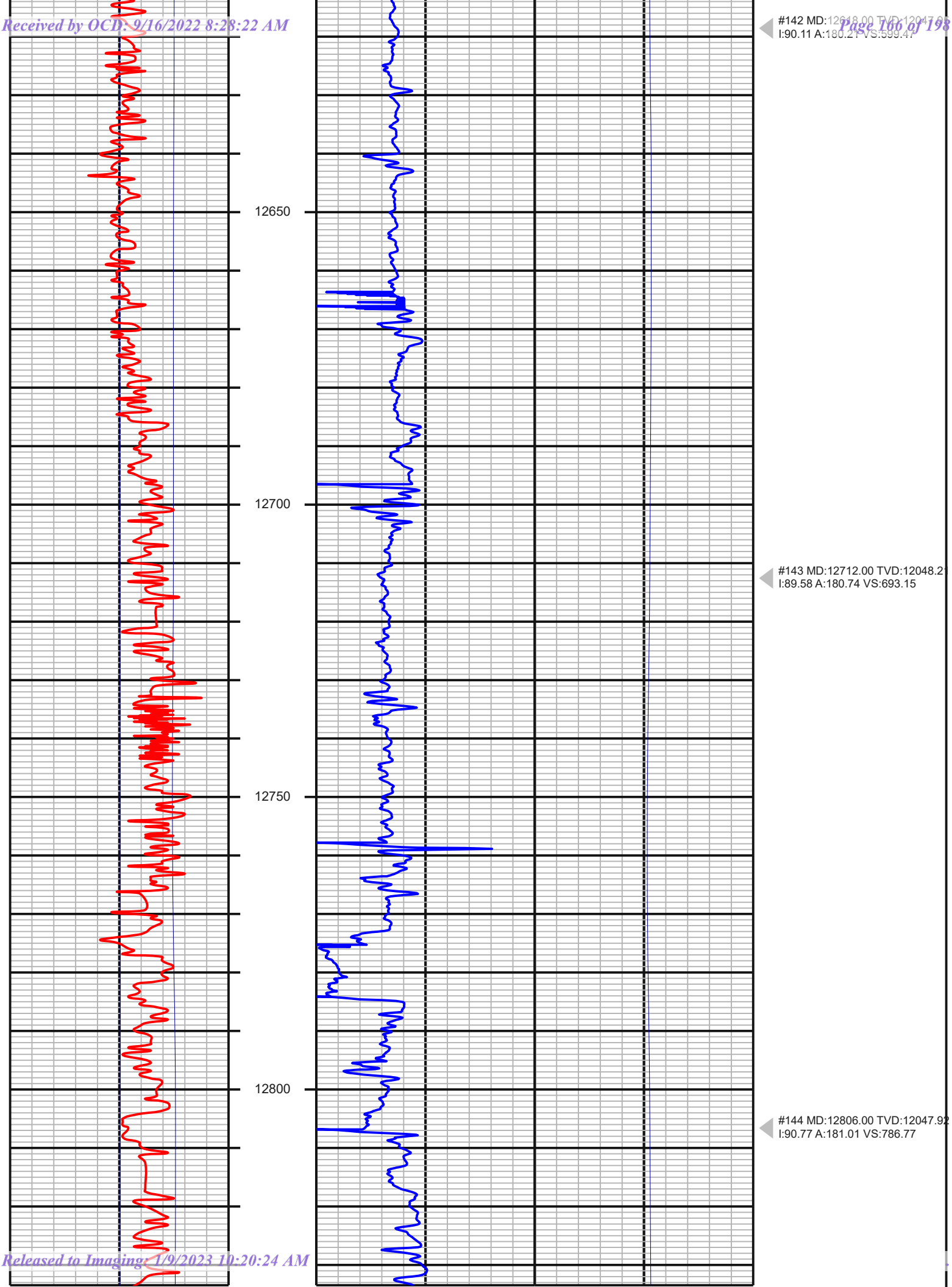

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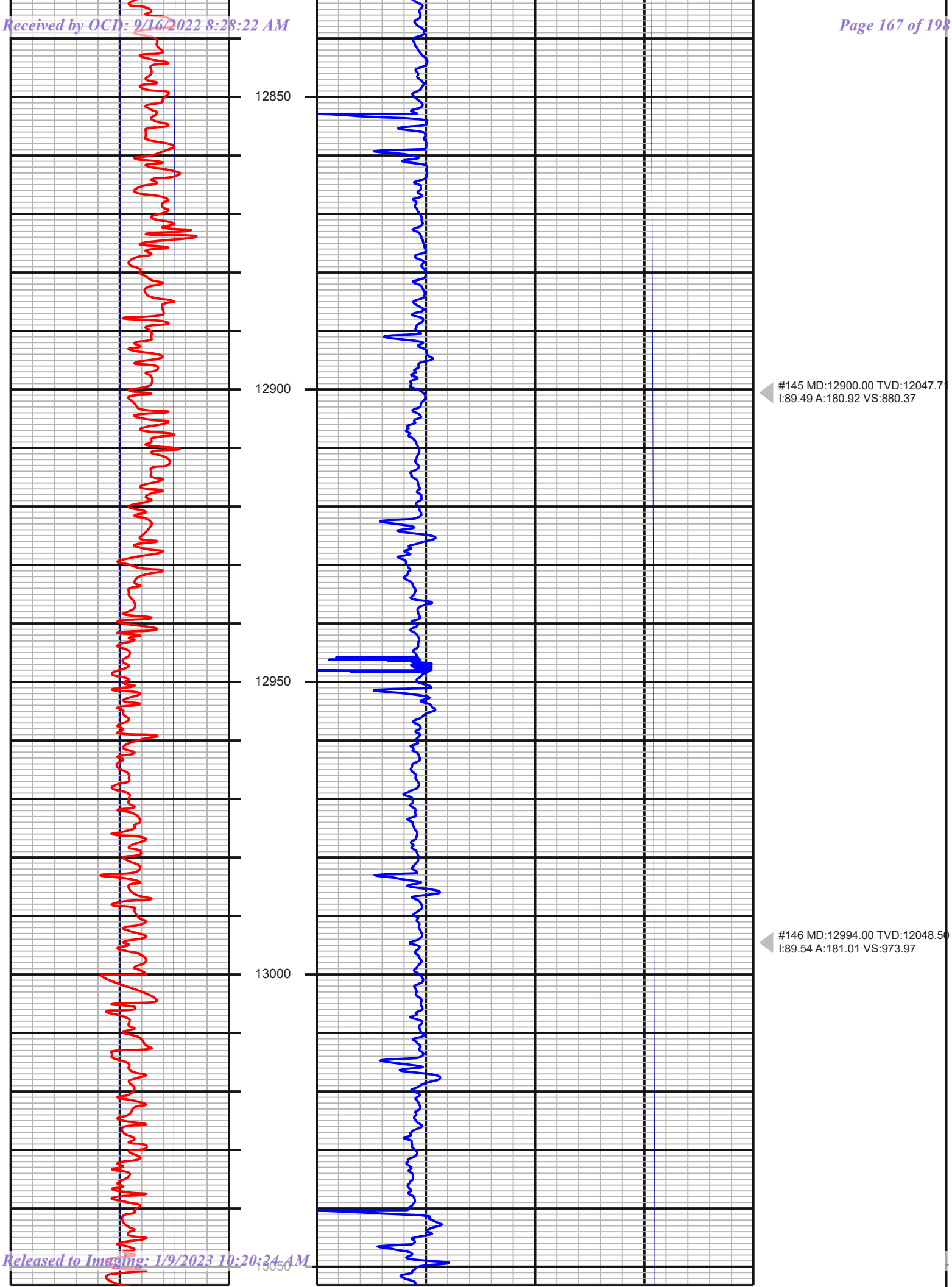
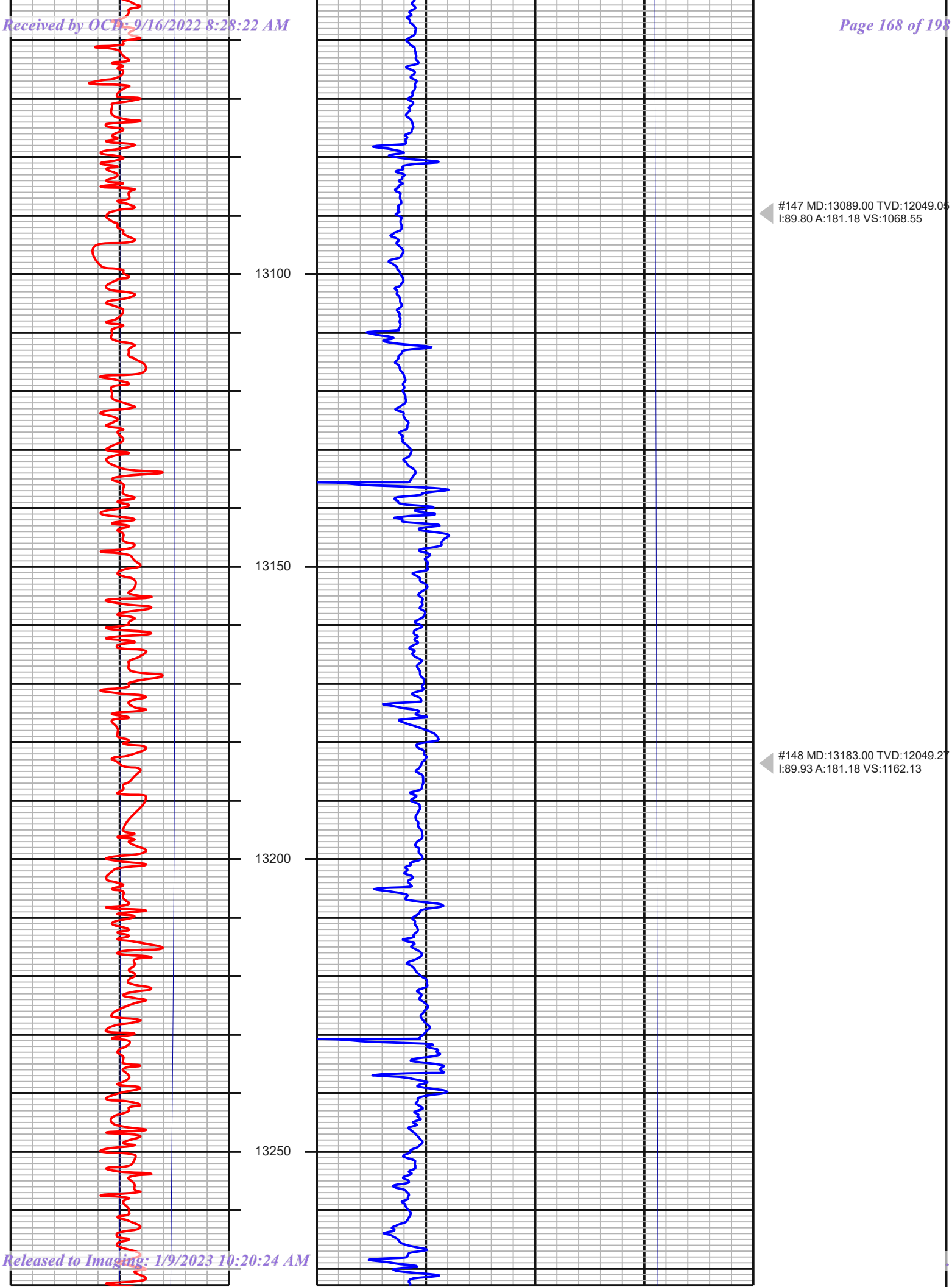

12850
12900
12950
13000
13050
#145 MD:12900.00 TVD:12047.7
I:89.49 A:180.92 VS:880.37
#146 MD:12994.00 TVD:12048.50
I:89.54 A:181.01 VS:973.97


#147 MD:13089.00 TVD:12049.05
I:89.80 A:181.18 VS:1068.55
13100
13150
#148 MD:13183.00 TVD:12049.27
I:89.93 A:181.18 VS:1162.13
13200
13250

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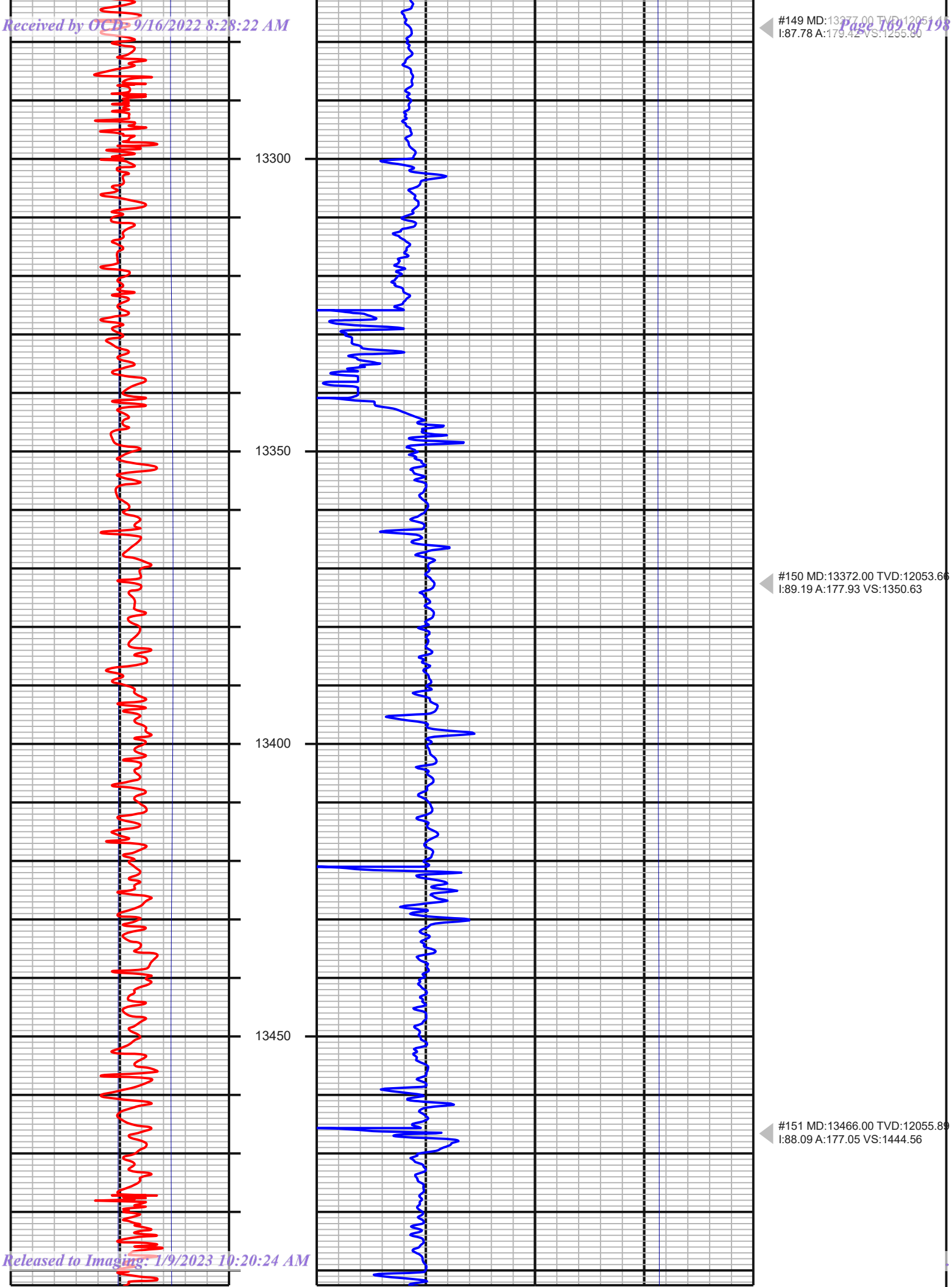

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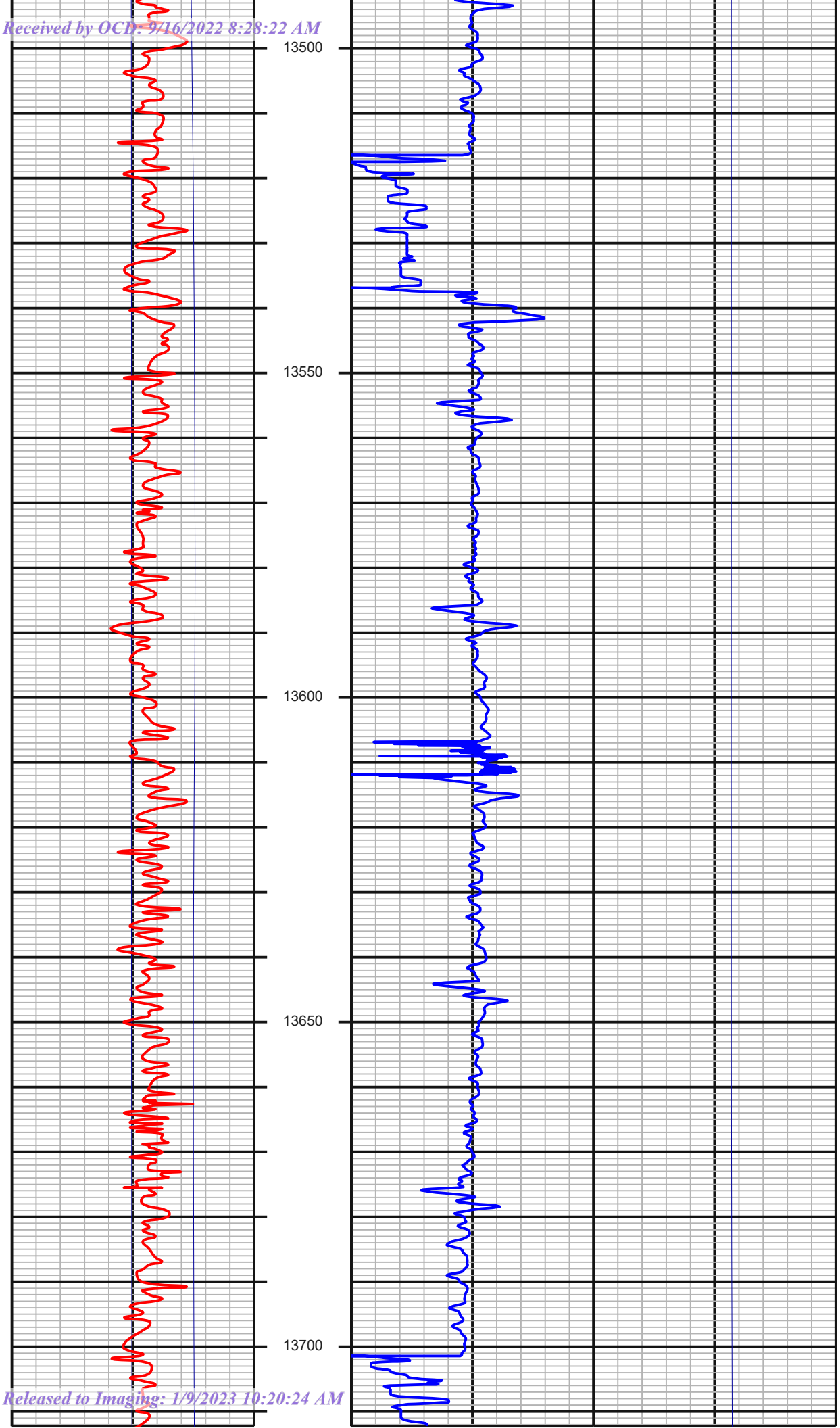

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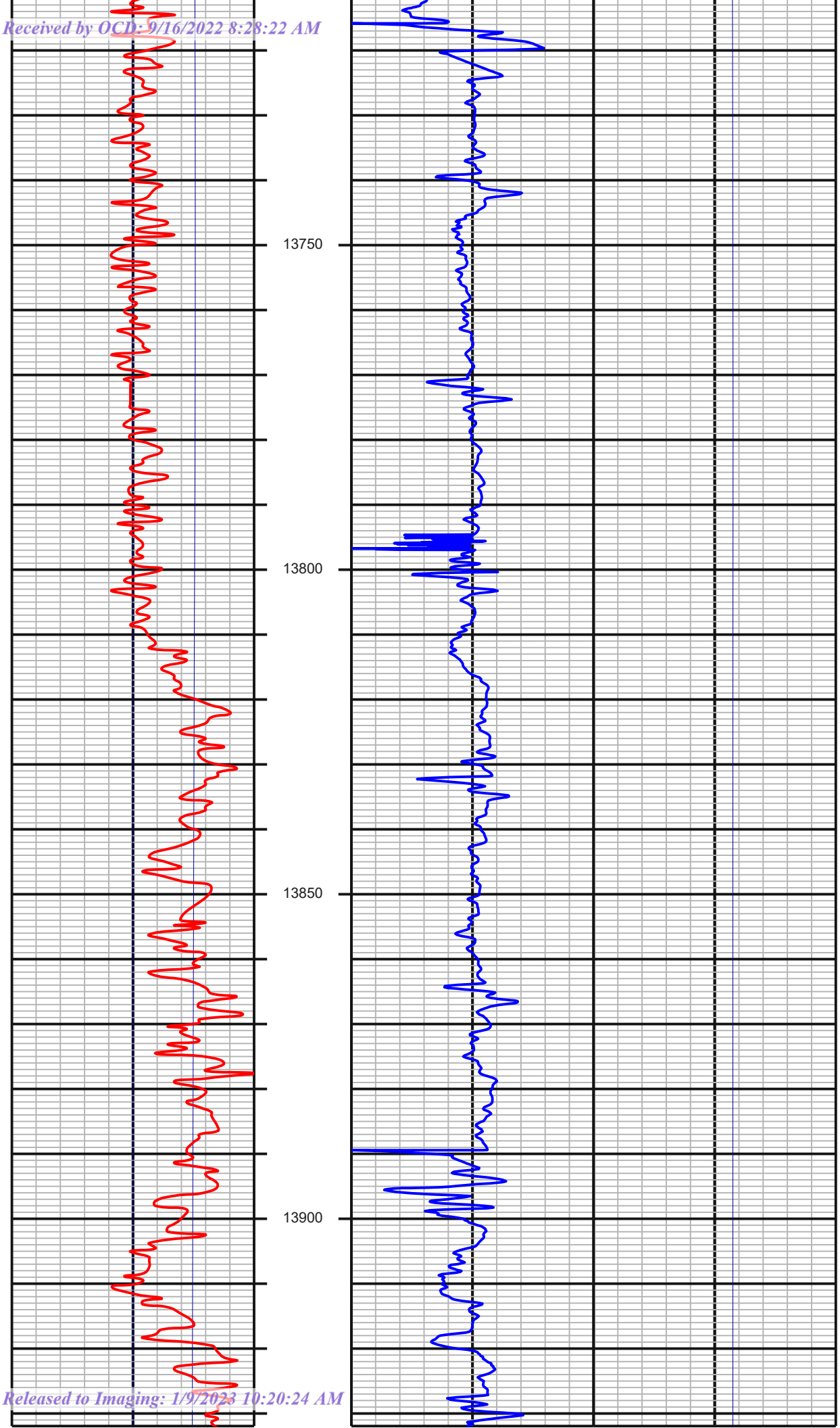
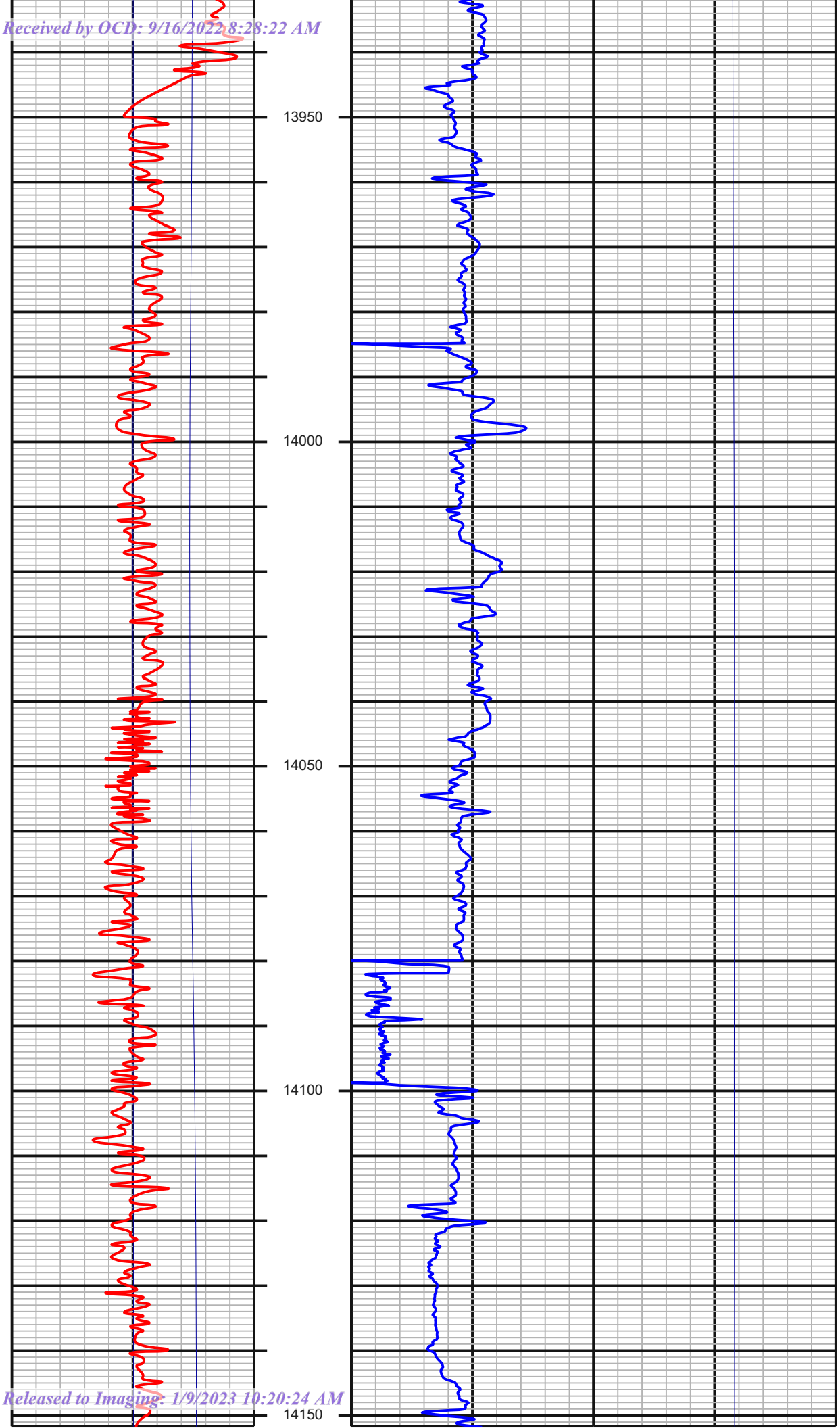

13750
13800
13850
13900
#154 MD:13749.00 TVD:12056.02
I:90.81 A:178.98 VS:1727.36
#155 MD:13844.00 TVD:12055.33
I:90.02 A:179.51 VS:1822.18

Received by OCD: 9/16/2022 8:28:22 AM



#156 MD:13938.00 TVD:12055.87
I:89.32 A:180.30 VS:1915.93

#157 MD:14032.00 TVD:12057.96
I:88.13 A:179.86 VS:2009.63

#158 MD:14127.00 TVD:12058.62
I:91.08 A:180.48 VS:2104.33

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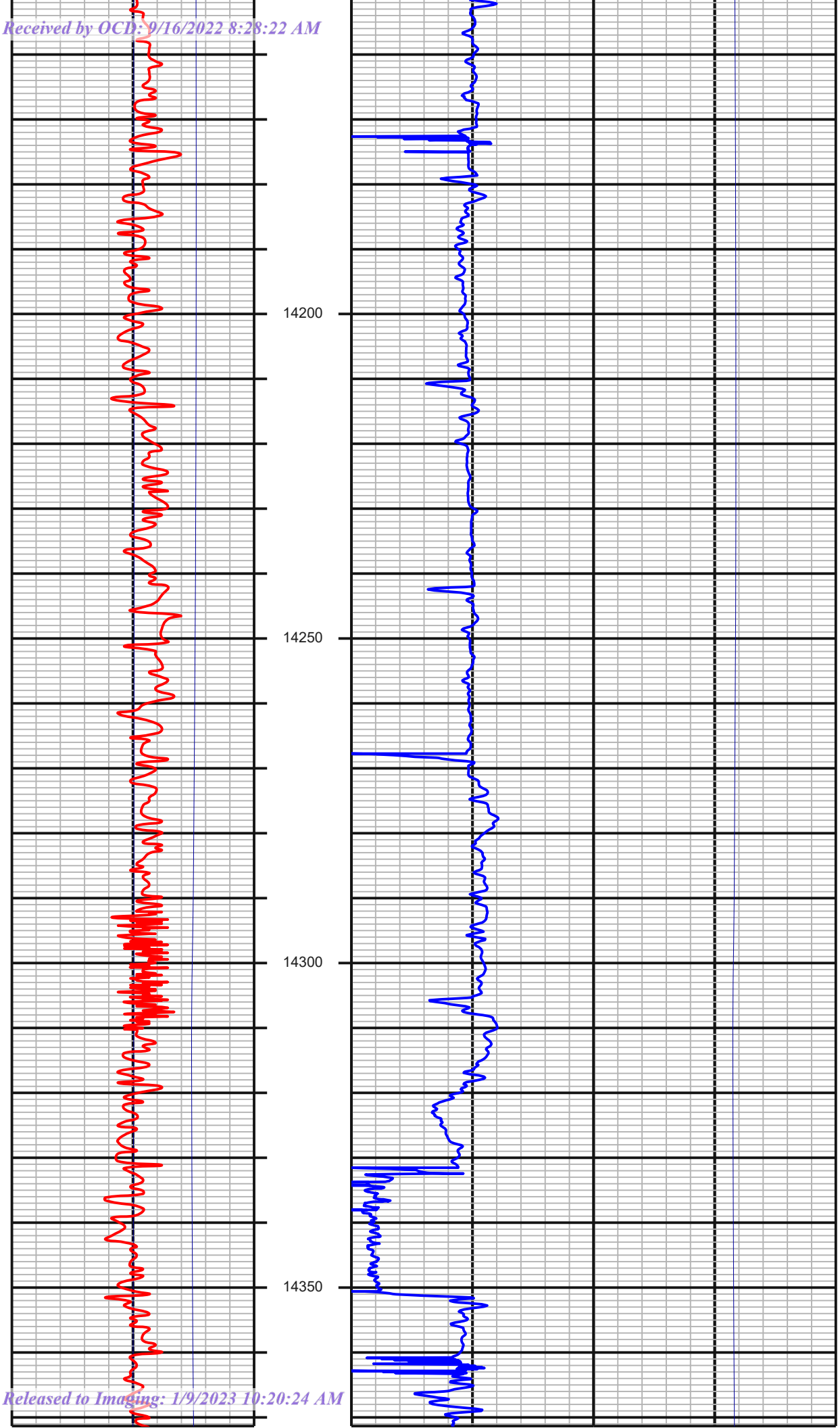
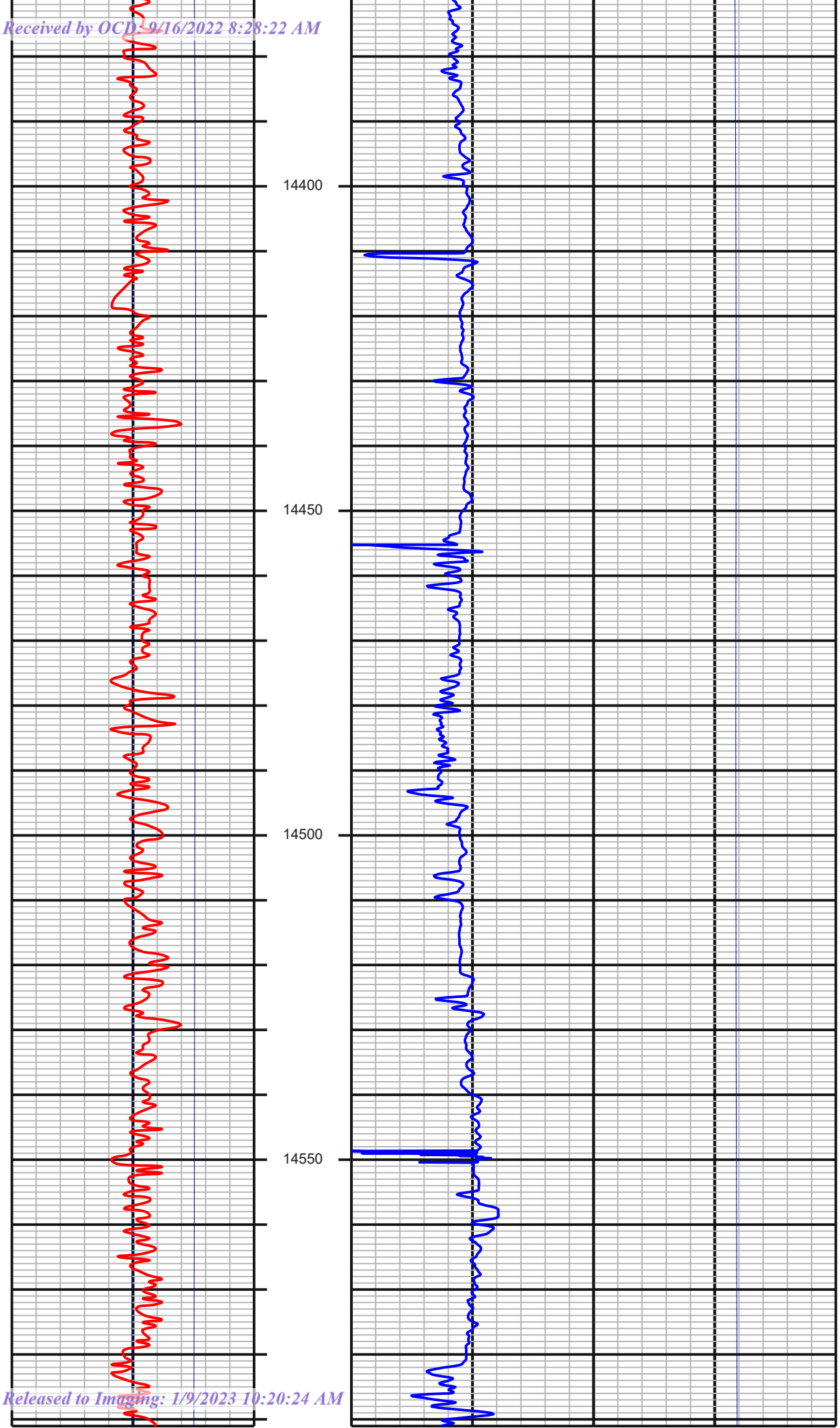
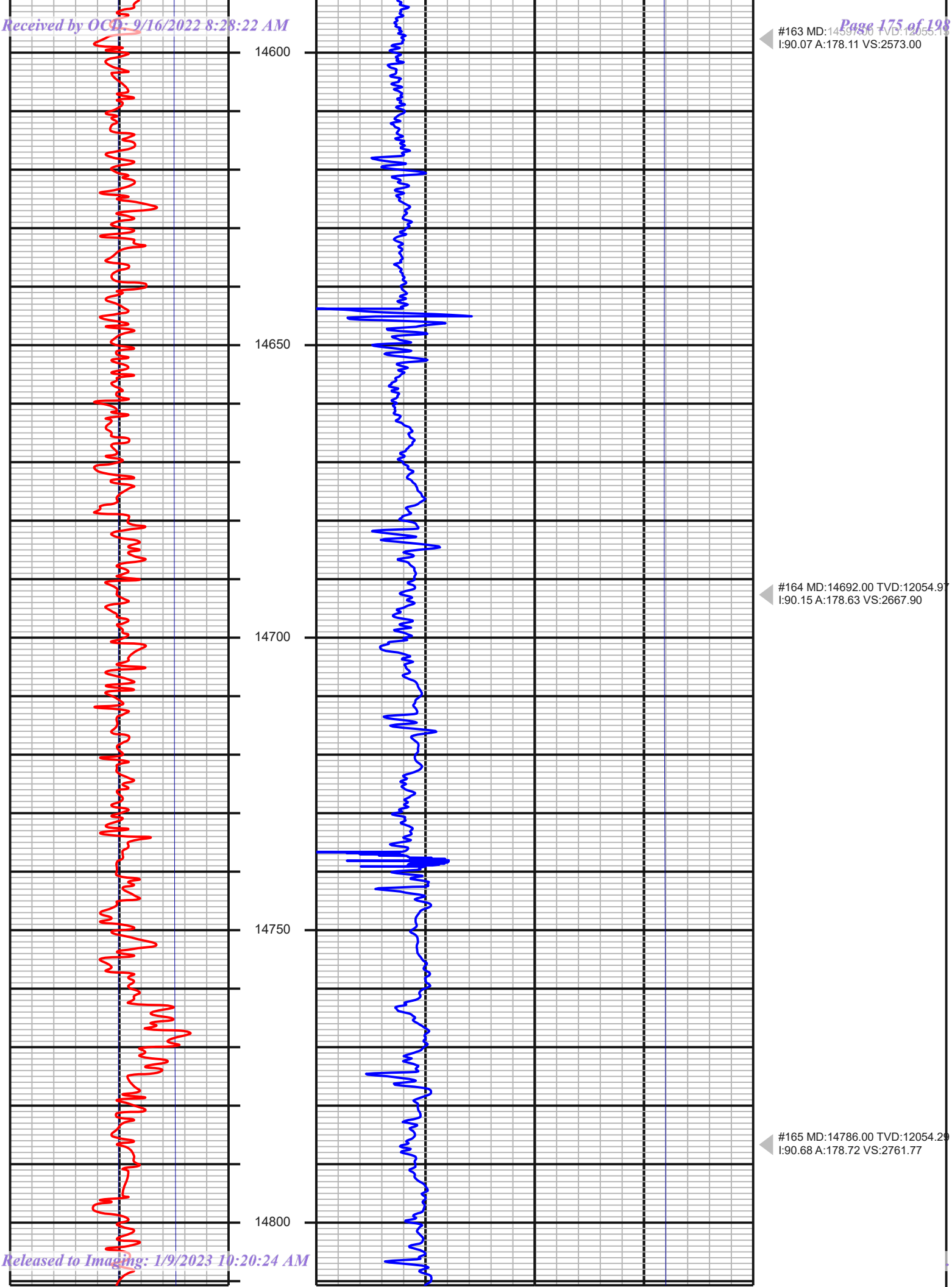

14200
14250
14300
14350
#159 MD:14221.00 TVD:12056.85
I:91.08 A:181.45 VS:2197.92
#160 MD:14315.00 TVD:12056.77
I:89.01 A:180.83 VS:2291.49



#161 MD:14409.00 TVD:12056.85
I:90.90 A:178.98 VS:2385.23

#162 MD:14503.00 TVD:12055.66
I:90.55 A:178.46 VS:2479.10

Received by OCD: 9/16/2022 8:28:22 AM



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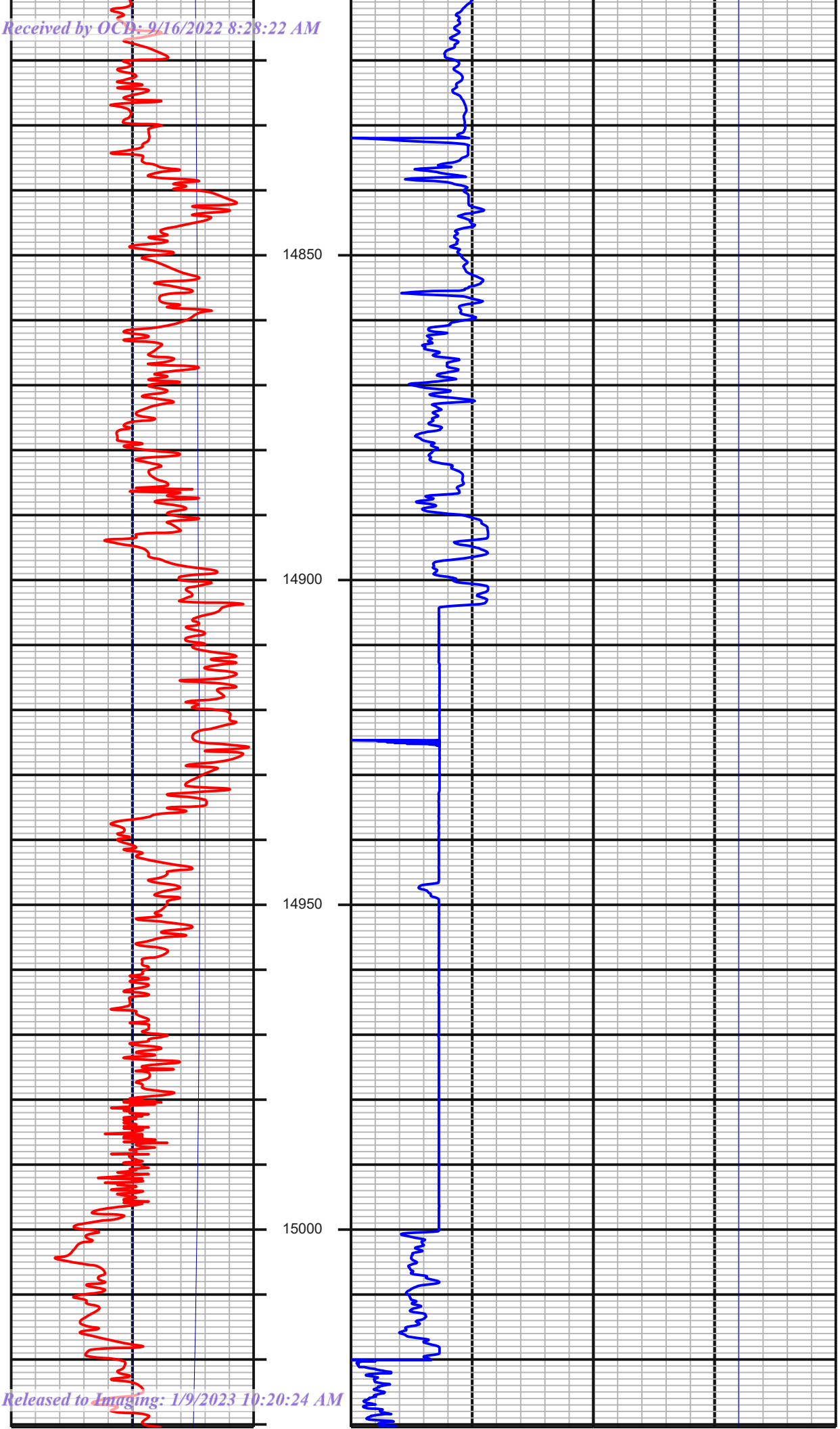
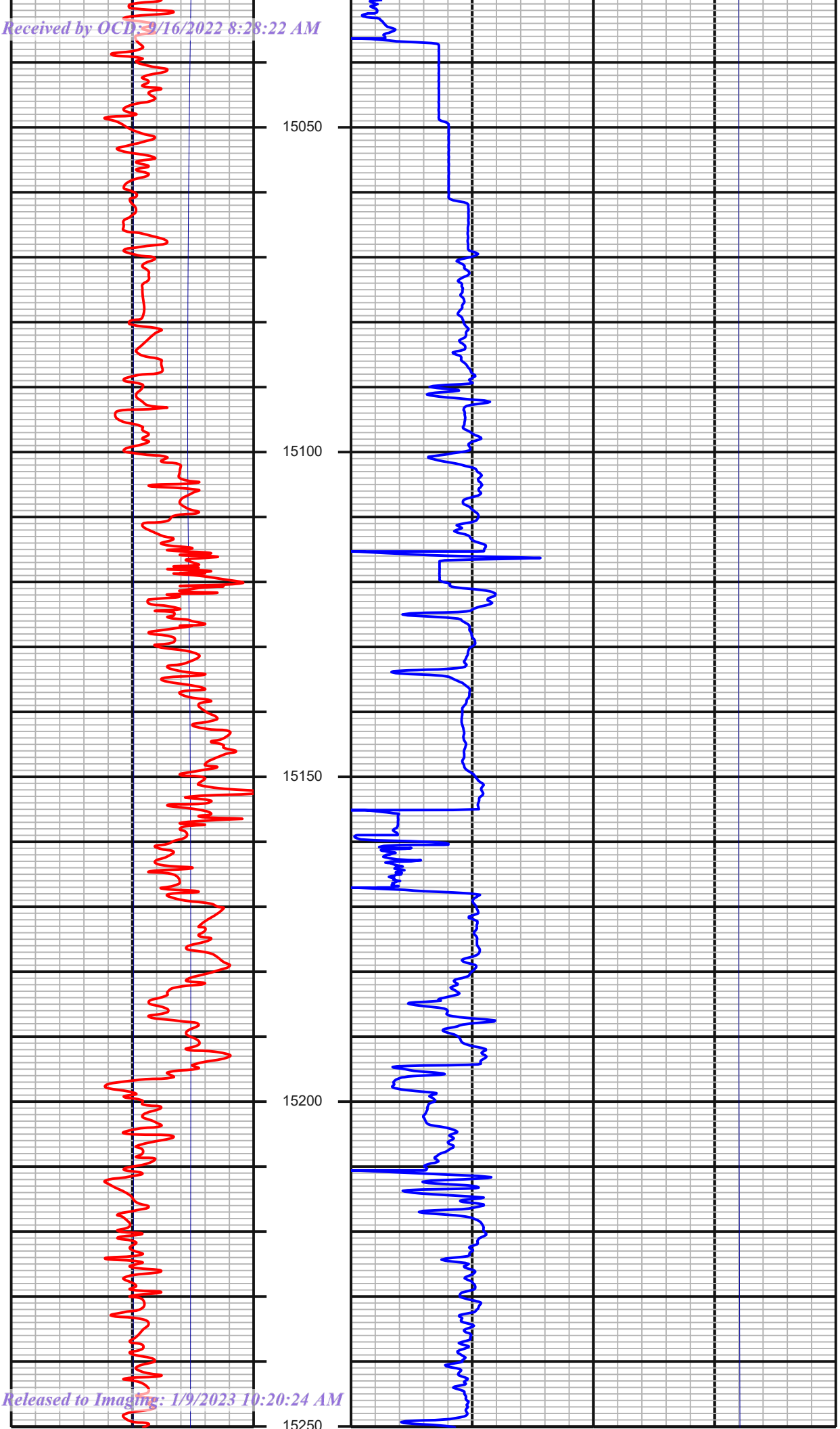

14850
14900
14950
15000
#166 MD:14880.00 TVD:12051.87
I:92.26 A:180.13 VS:2855.54
#167 MD:14974.00 TVD:12047.73
I:92.79 A:180.83 VS:2949.12

Received by OCD: 9/16/2022 8:28:22 AM



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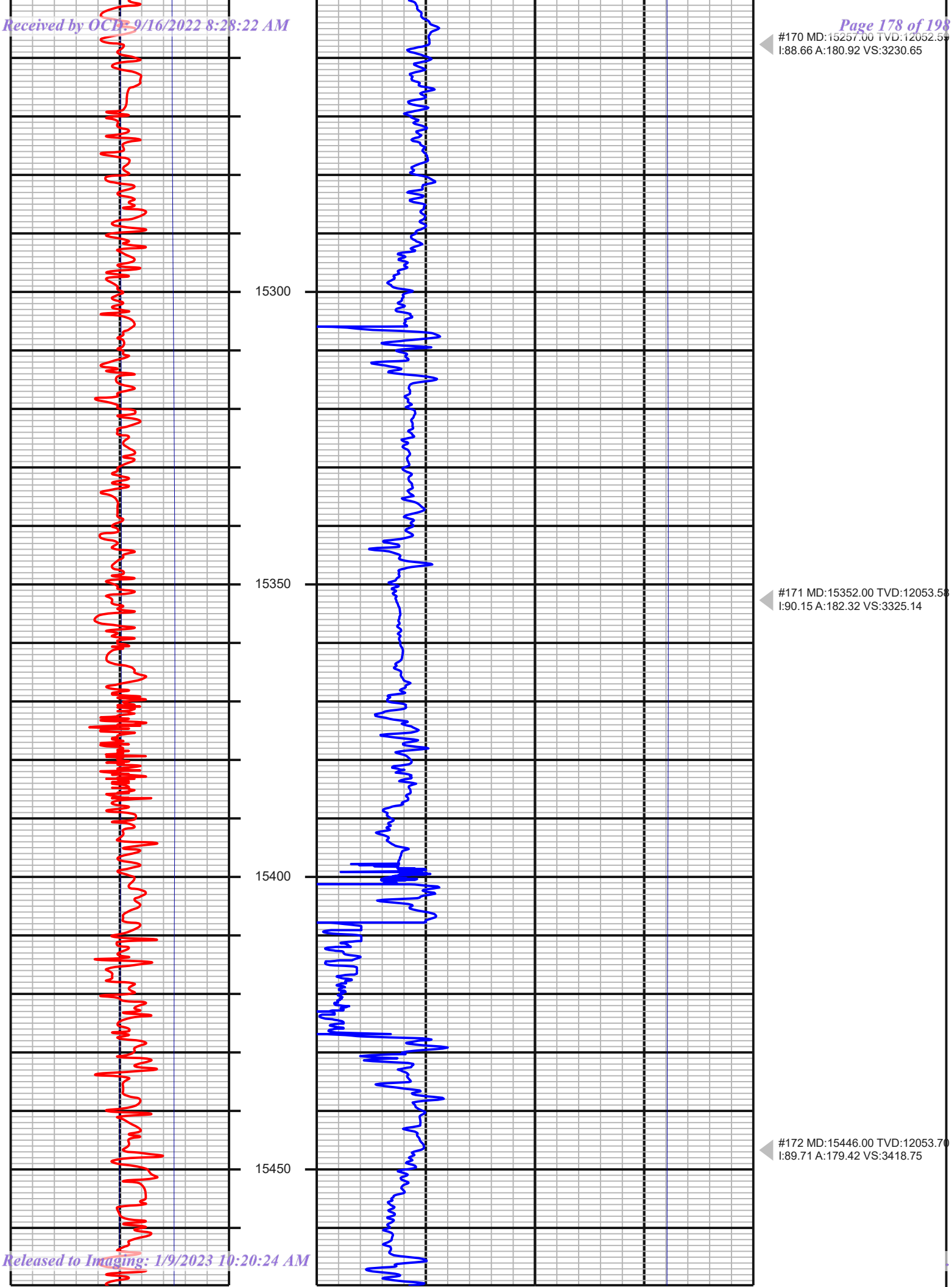

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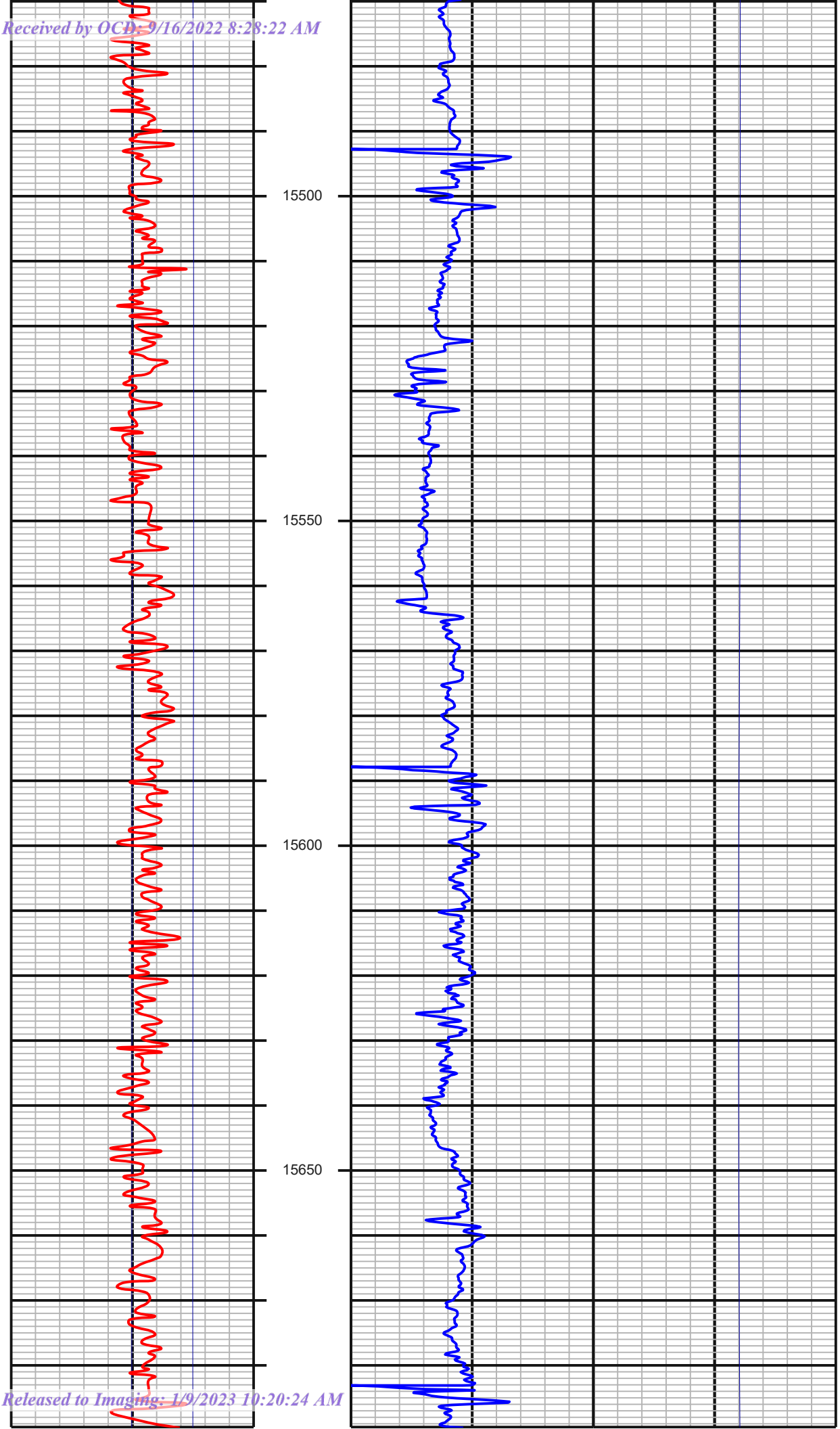

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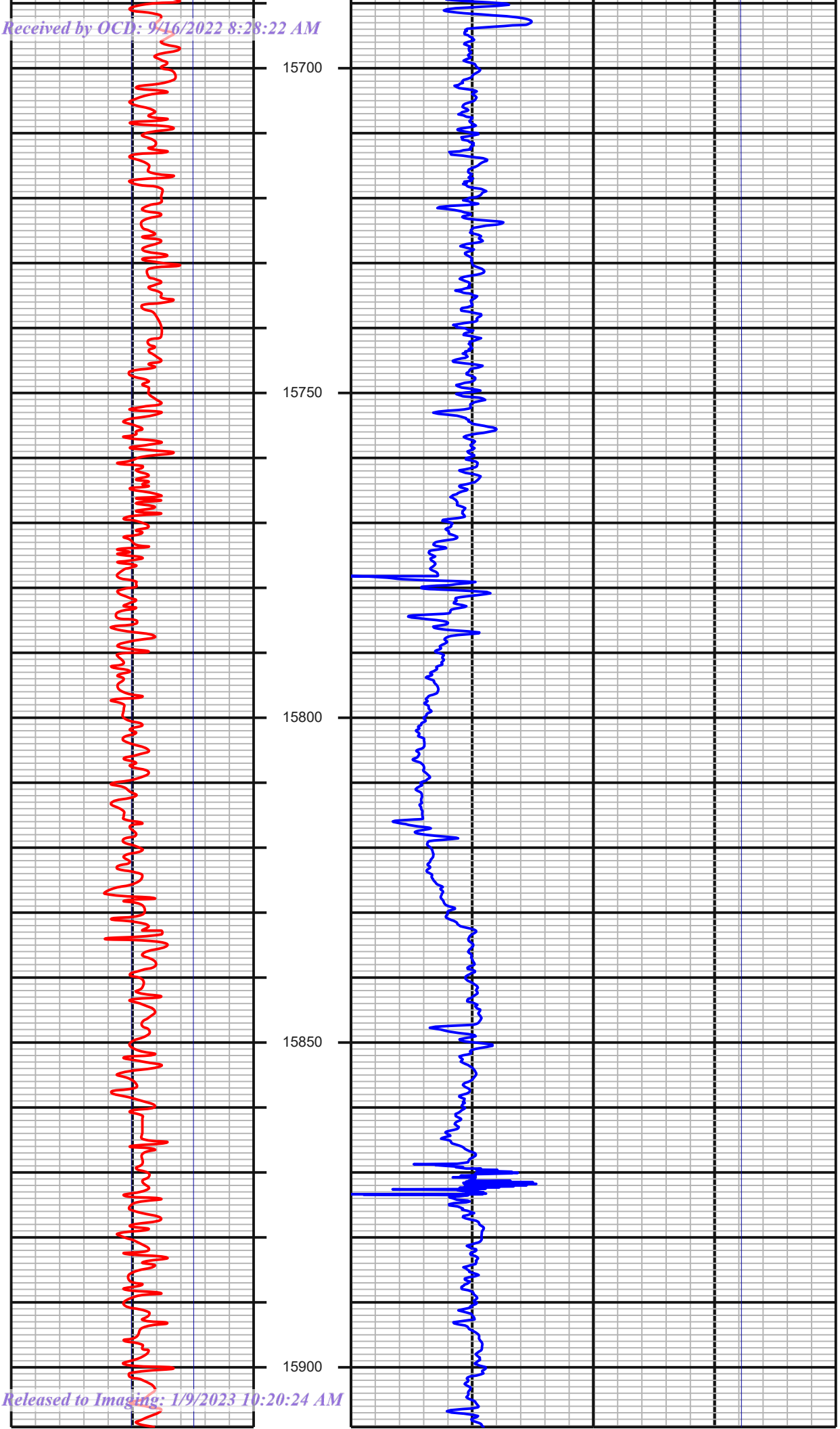
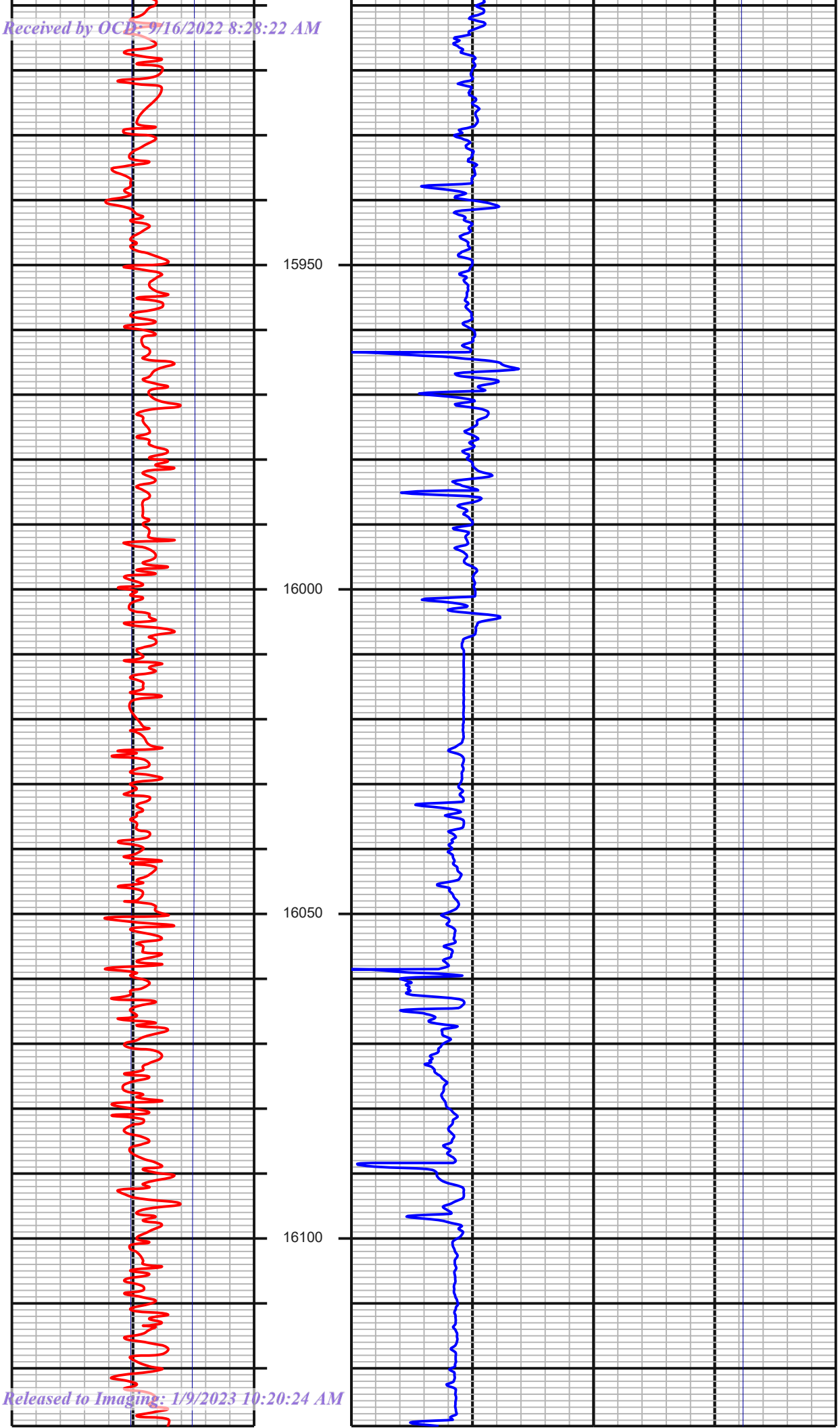


#175 MD:15728.00 TVD:12053.76
I:89.93 A:178.98 VS:3700.20

#176 MD:15822.00 TVD:12053.73
I:90.11 A:178.90 VS:3794.05

Received by OCD: 9/16/2022 8:28:22 AM



#177 MD:15917.00 TVD:12053.36
I:90.33 A:178.37 VS:3888.93

#178 MD:16011.00 TVD:12052.64
I:90.55 A:177.93 VS:3982.84

#179 MD:16105.00 TVD:12052.67
I:89.41 A:176.79 VS:4076.80

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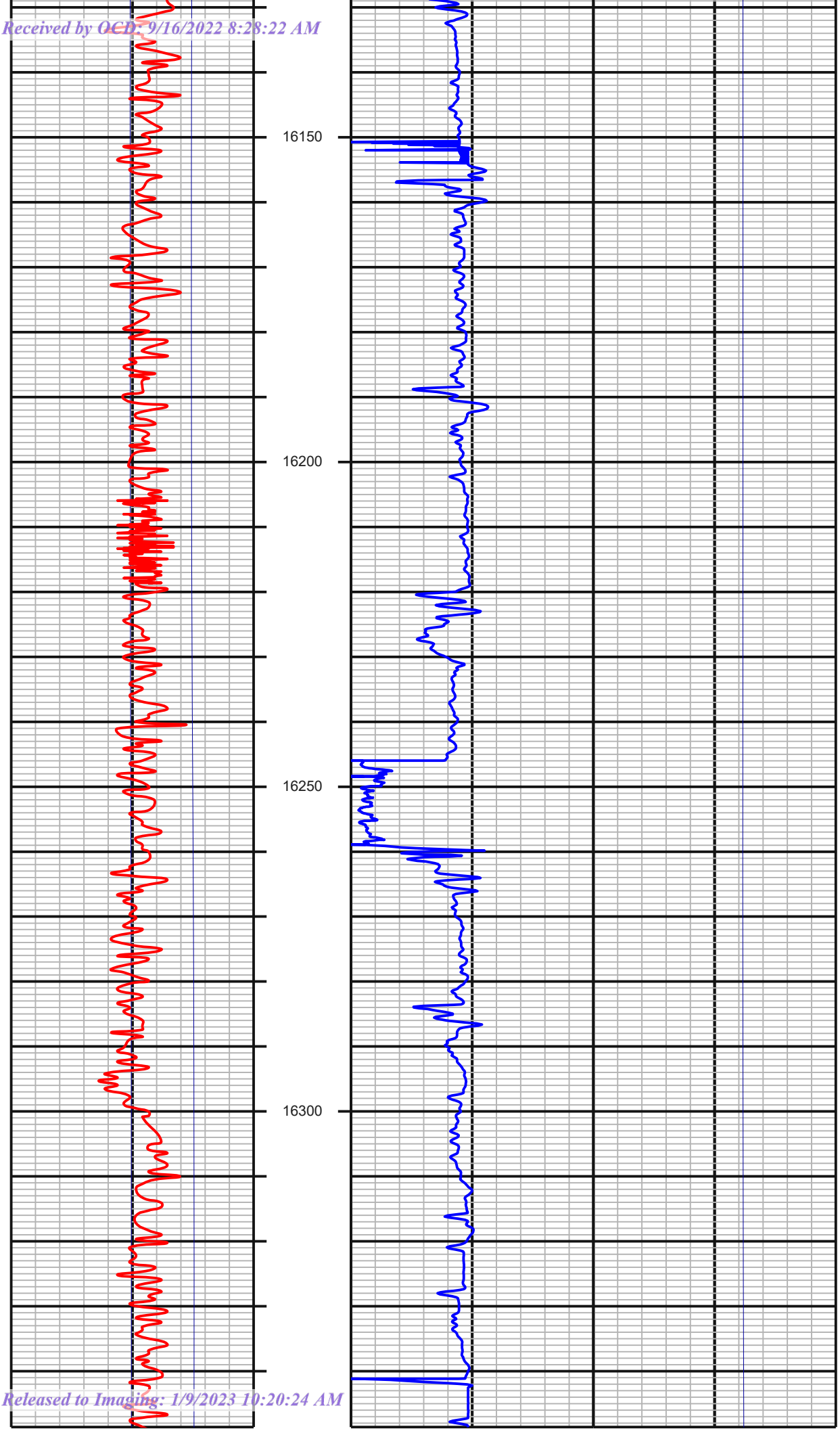
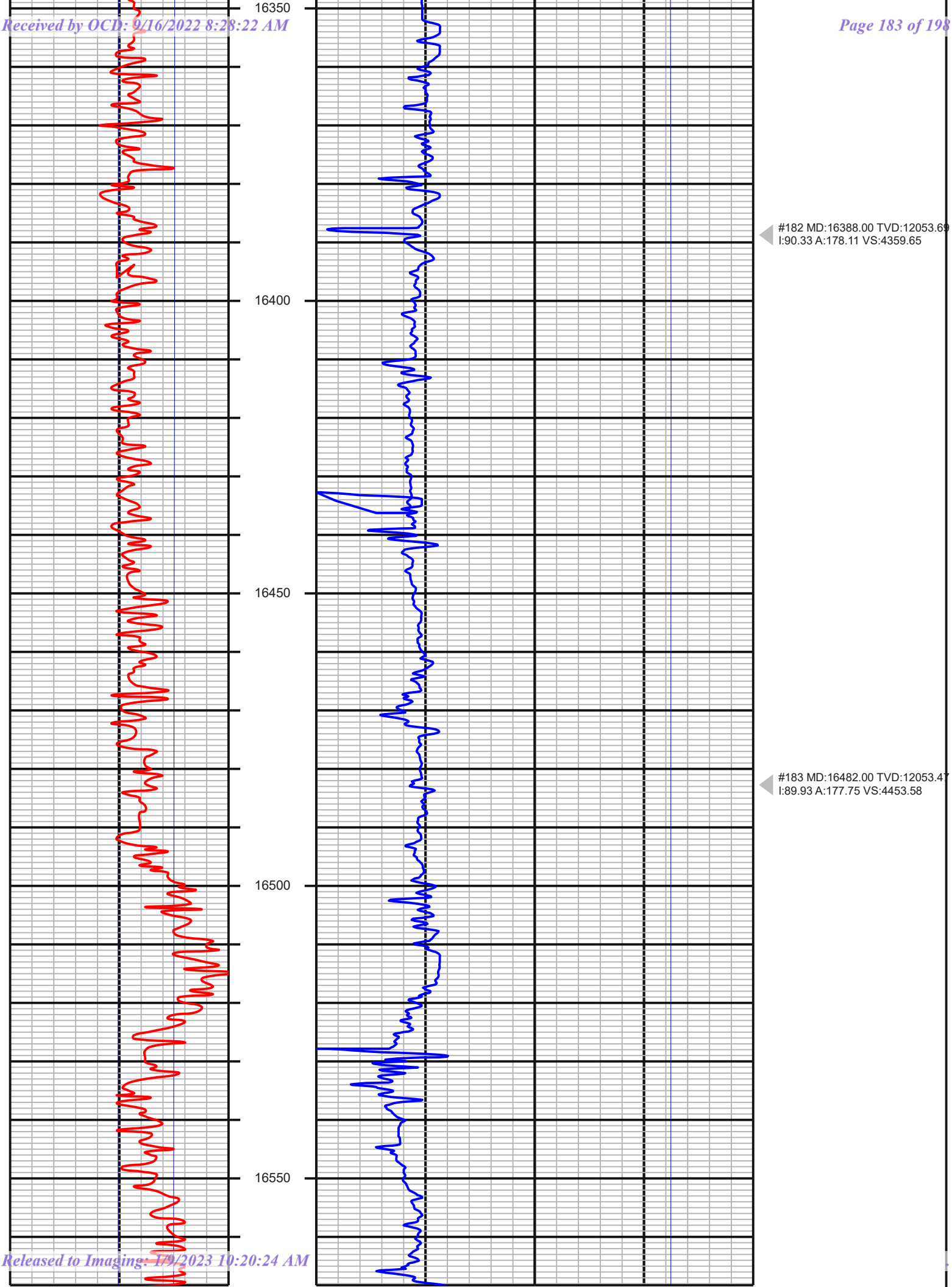

16150
16200
16250
16300
#180 MD:16200.00 TVD:12053.83
I:89.19 A:176.61 VS:4171.78
#181 MD:16294.00 TVD:12054.23
I:90.33 A:178.11 VS:4265.73

Received by OCD: 9/16/2022 8:28:22 AM



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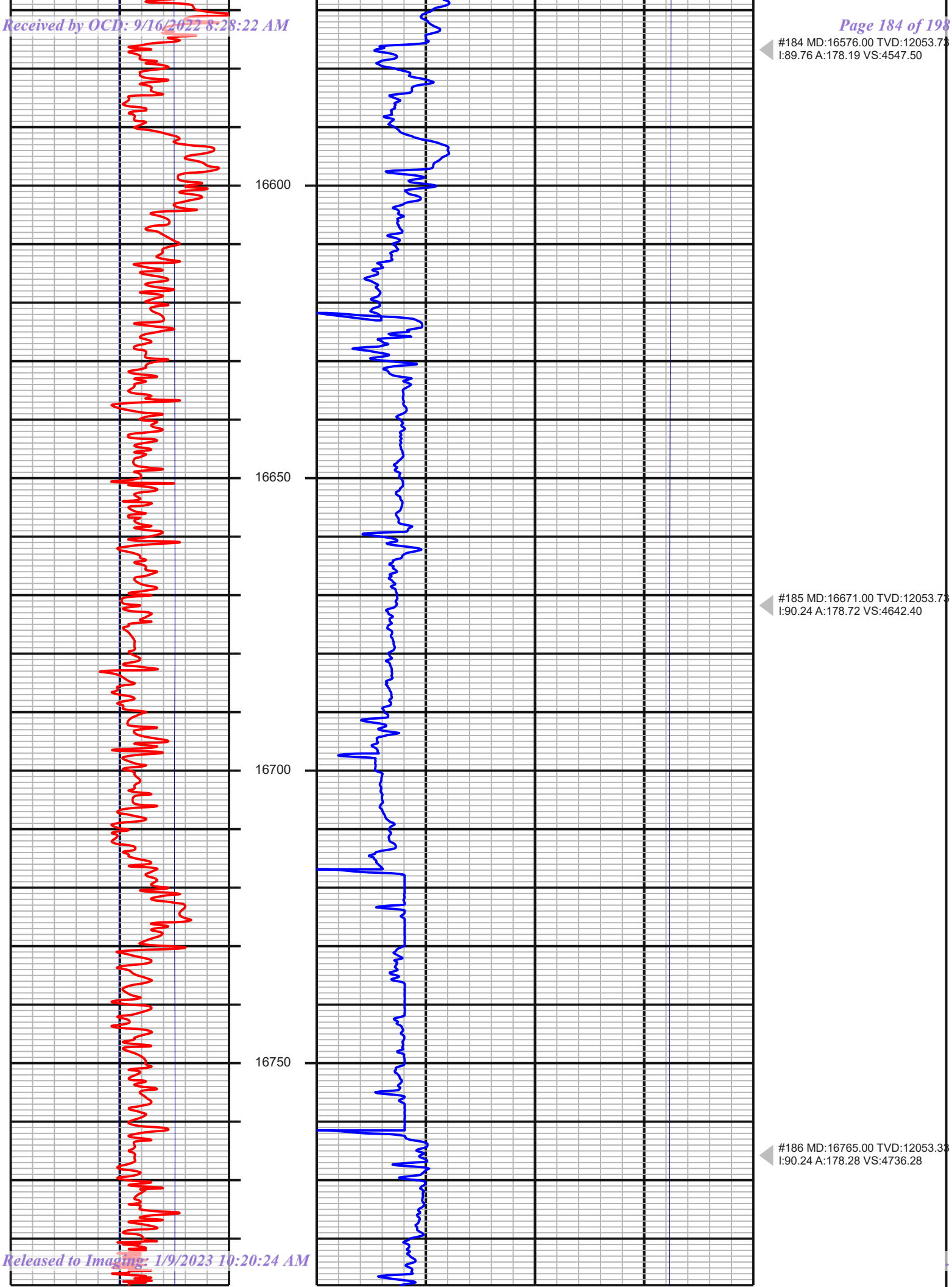

#184 MD:16576.00 TVD:12053.73
I:89.76 A:178.19 VS:4547.50

#185 MD:16671.00 TVD:12053.73
I:90.24 A:178.72 VS:4642.40

#186 MD:16765.00 TVD:12053.33
I:90.24 A:178.28 VS:4736.28

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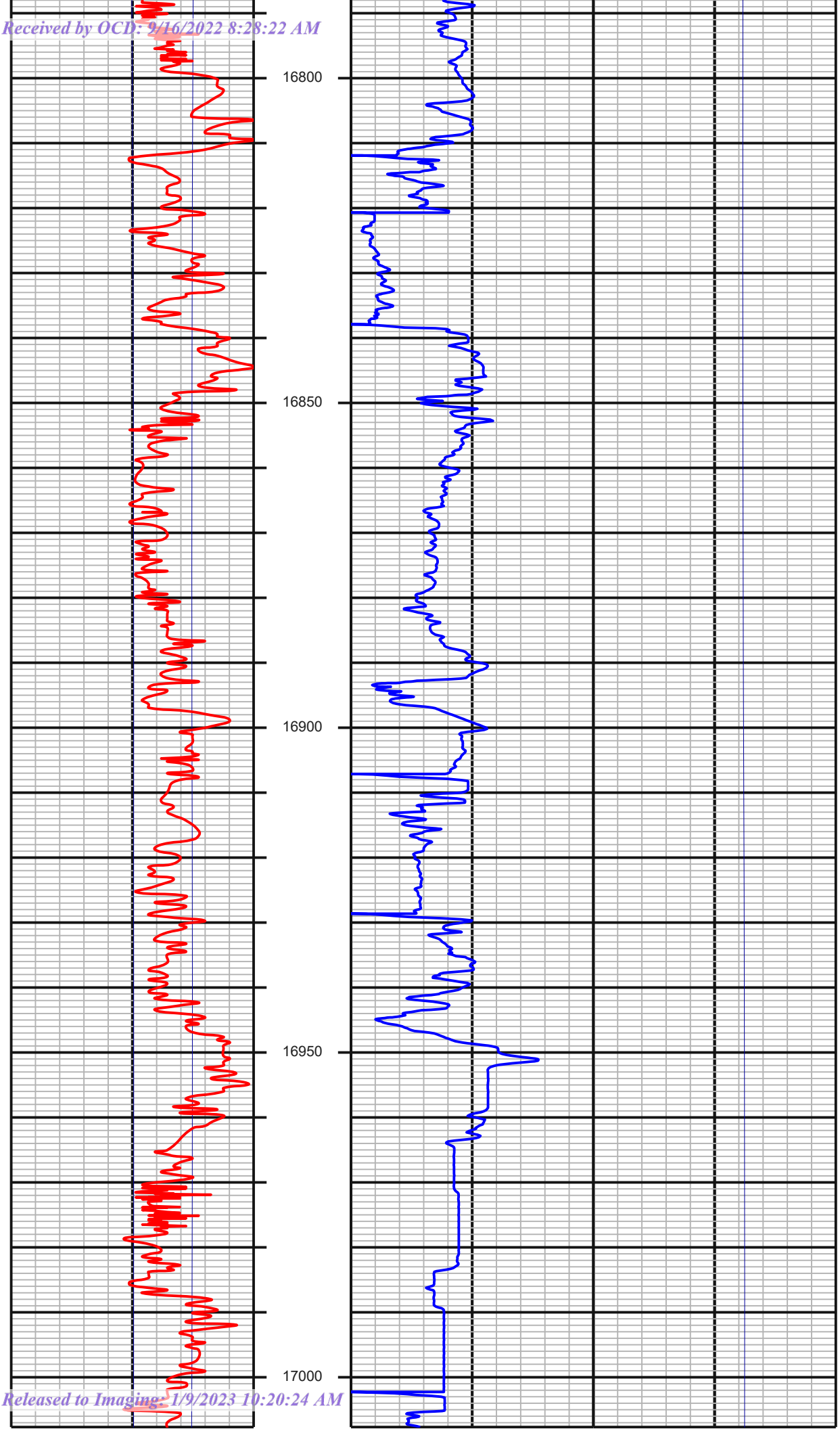

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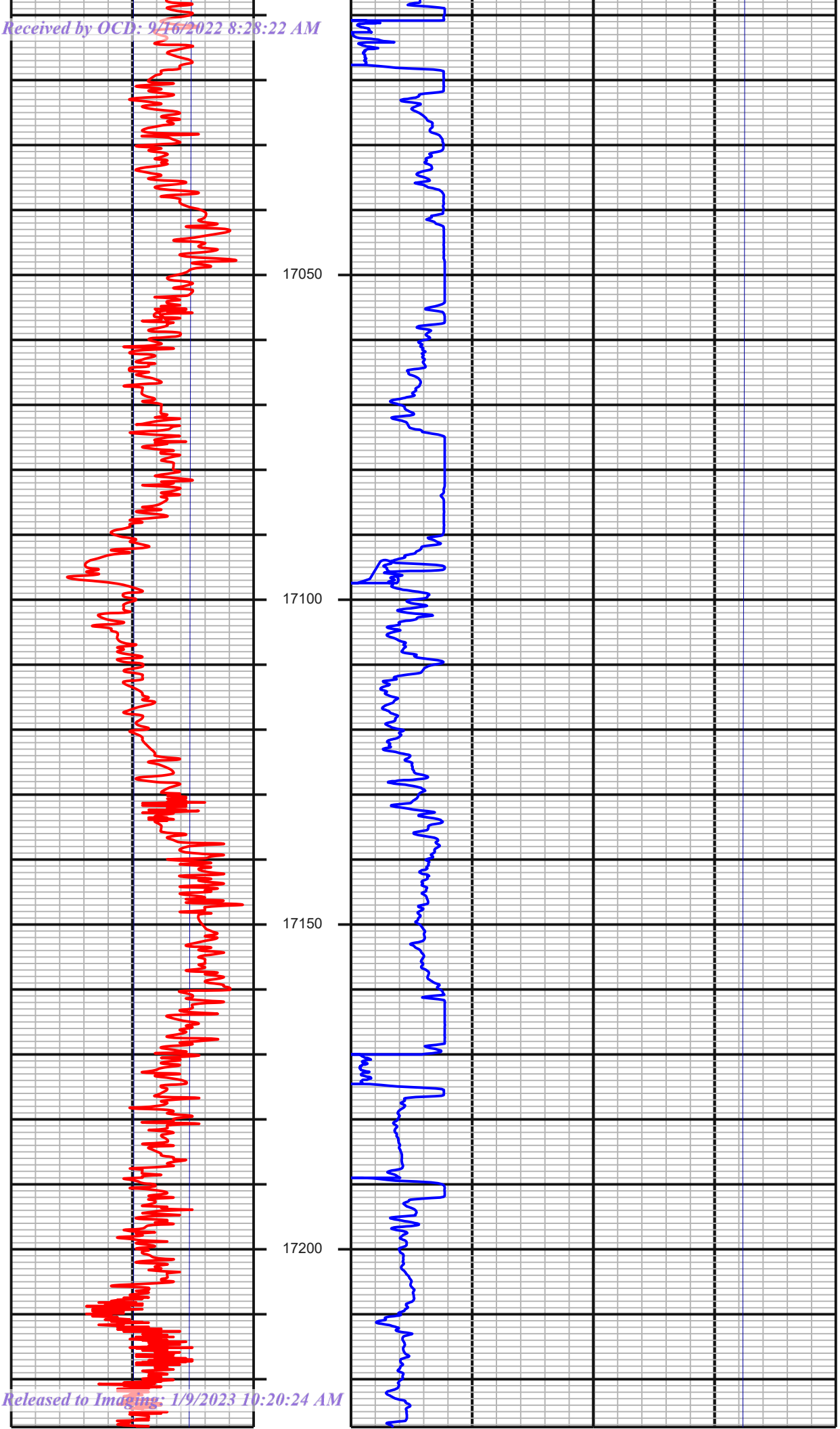
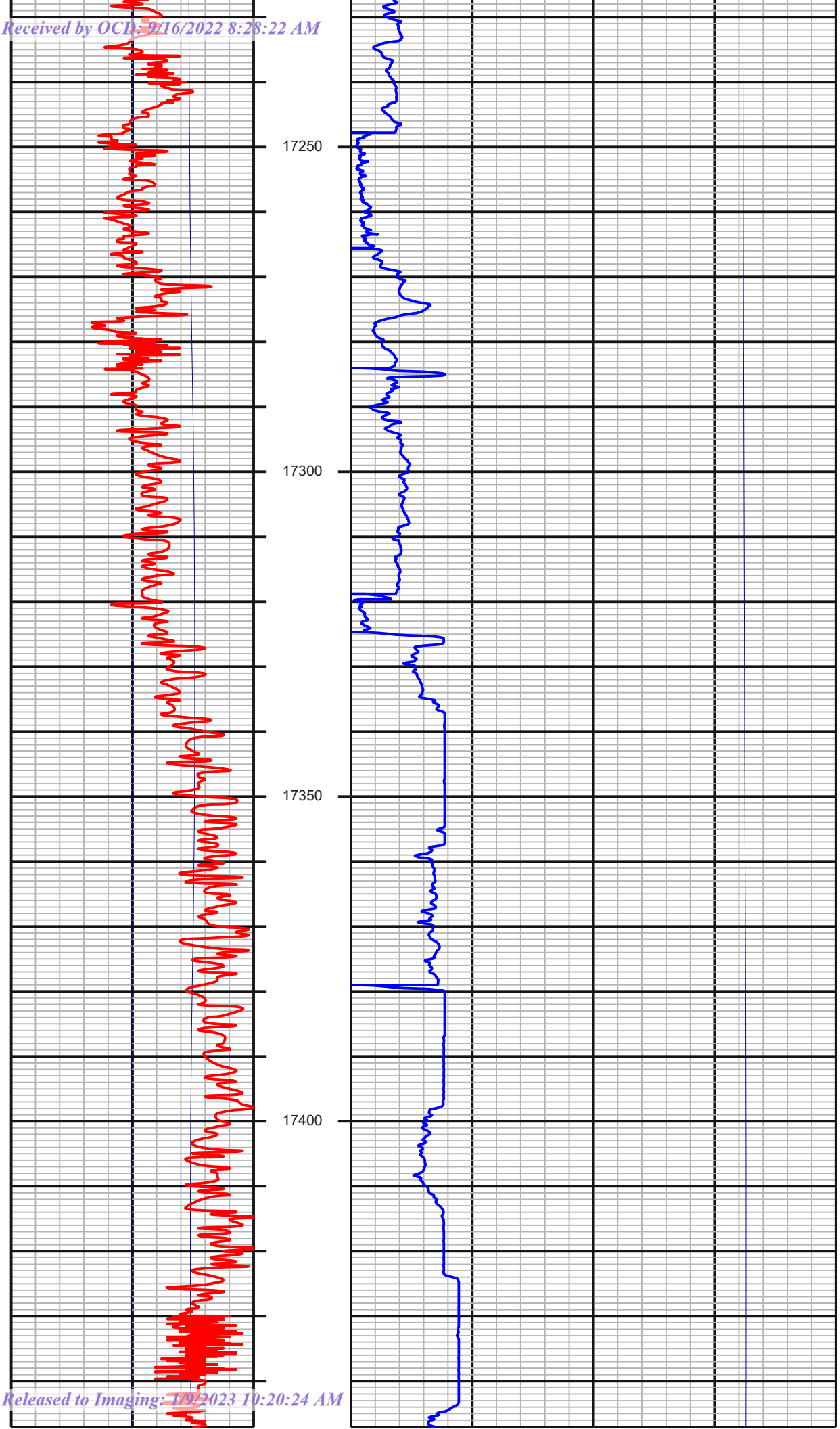

17050
17100
17150
17200
#189 MD:17048.00 TVD:12055.83
I:88.75 A:181.53 VS:5018.05
#190 MD:17142.00 TVD:12058.17
I:88.40 A:182.06 VS:5111.49

Received by OCD: 9/16/2022 8:28:22 AM



#191 MD:17236.00 TVD:12061.12
I:88.00 A:181.36 VS:5204.93

#192 MD:17330.00 TVD:12062.10
I:90.81 A:179.78 VS:5298.57

#193 MD:17424.00 TVD:12062.56
I:88.62 A:178.55 VS:5392.40

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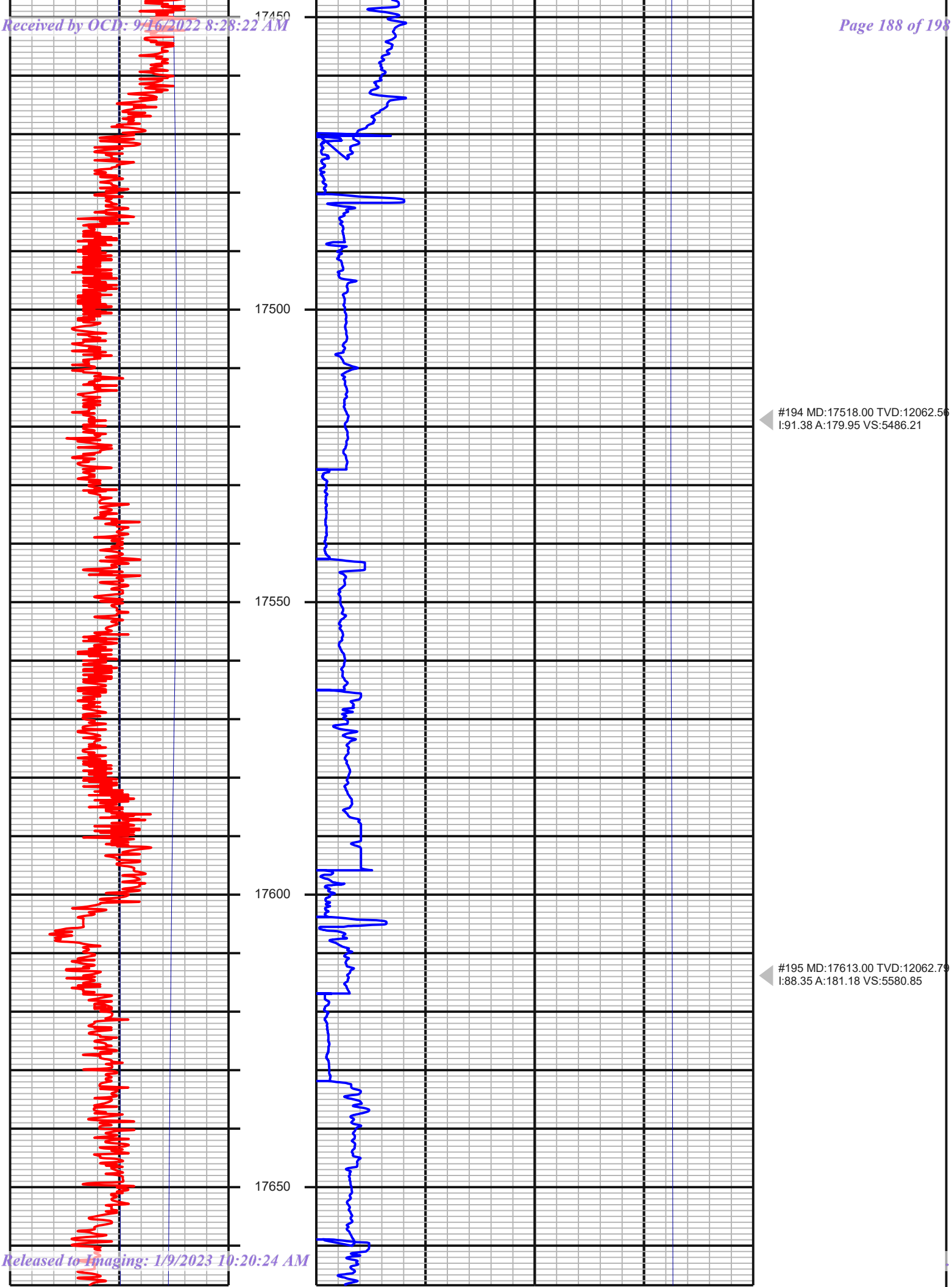
17450
17500
17550
17600
17650
#194 MD:17518.00 TVD:12062.56
I:91.38 A:179.95 VS:5486.21
#195 MD:17613.00 TVD:12062.79
I:88.35 A:181.18 VS:5580.85

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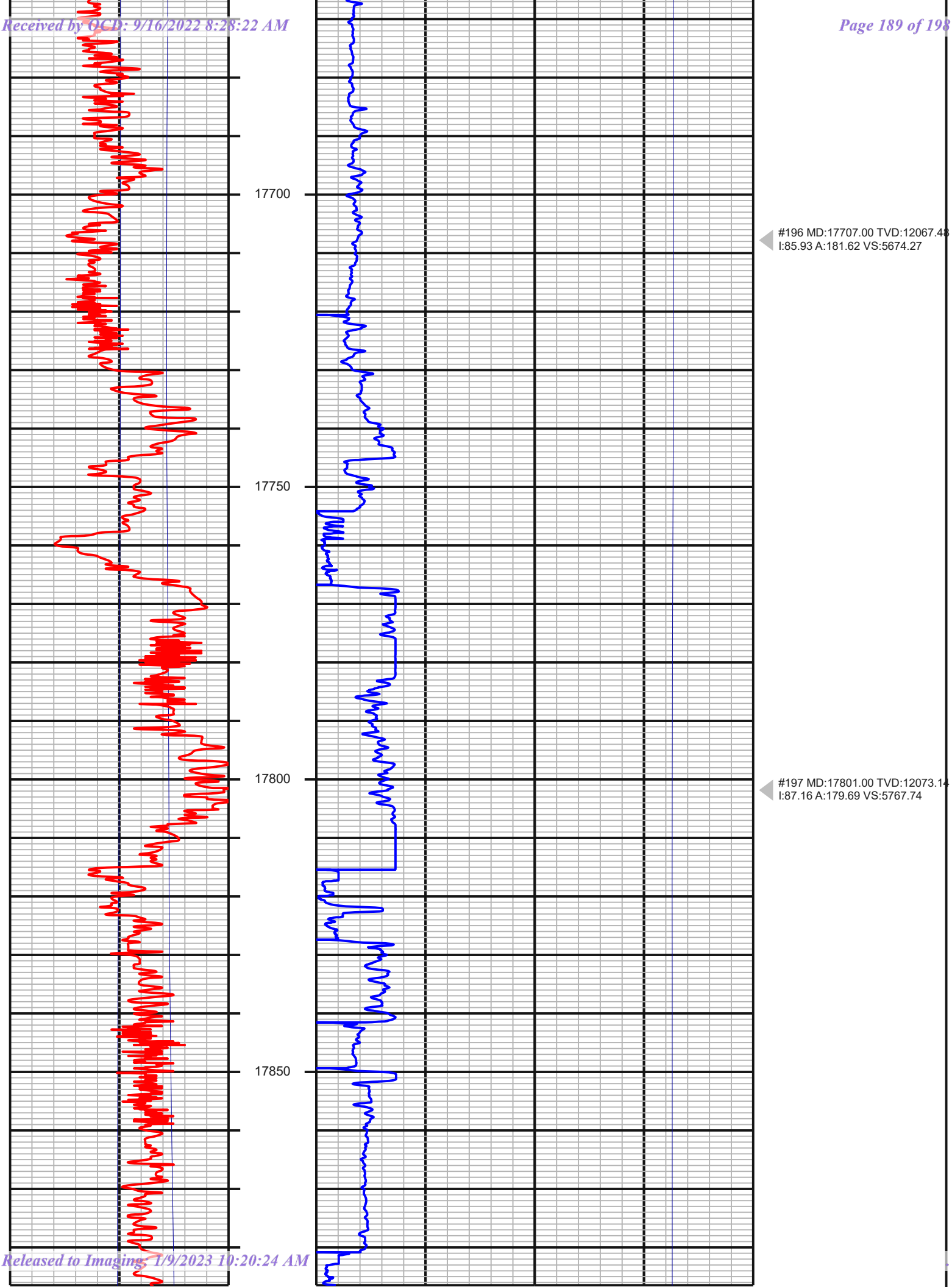

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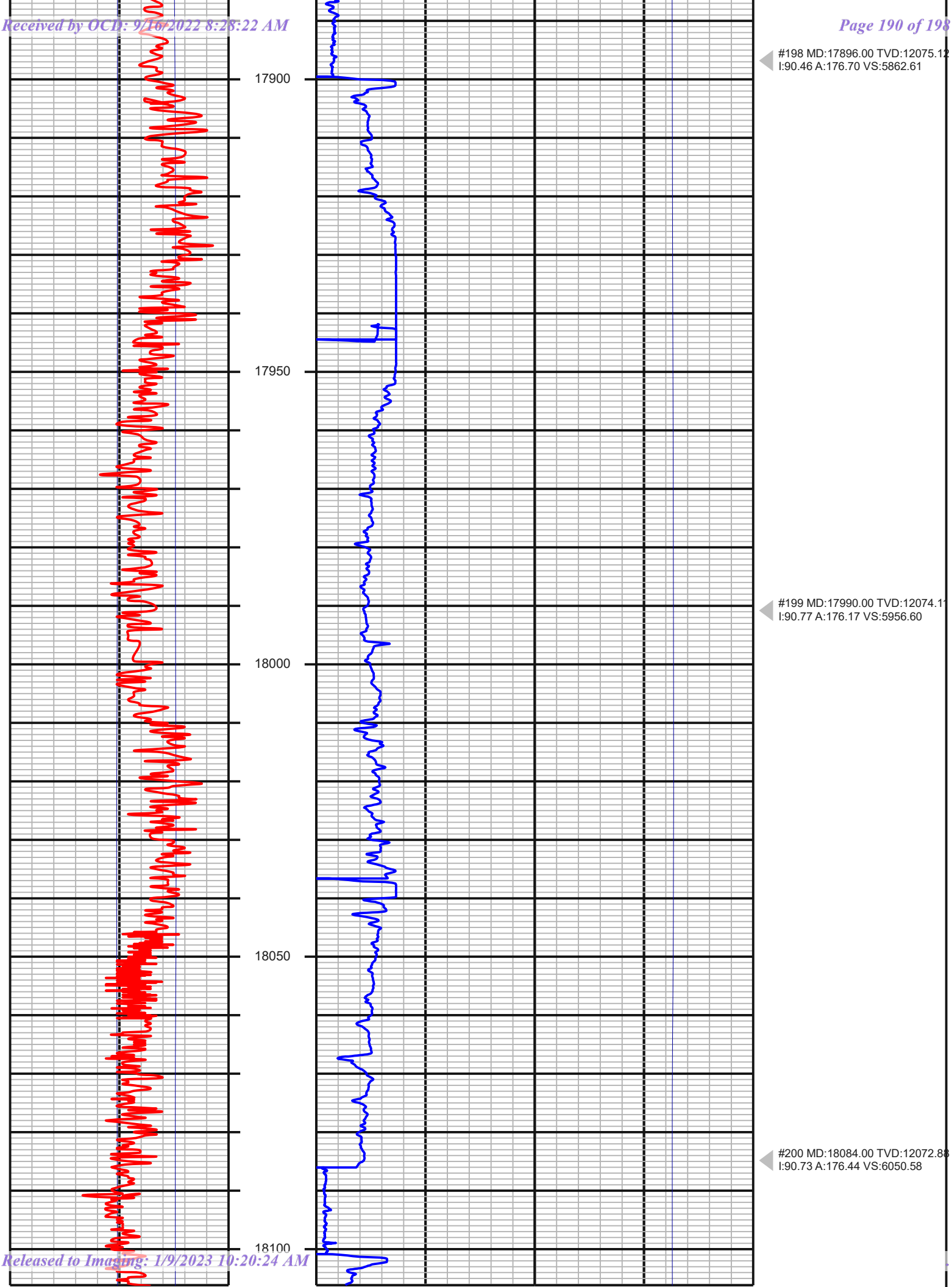

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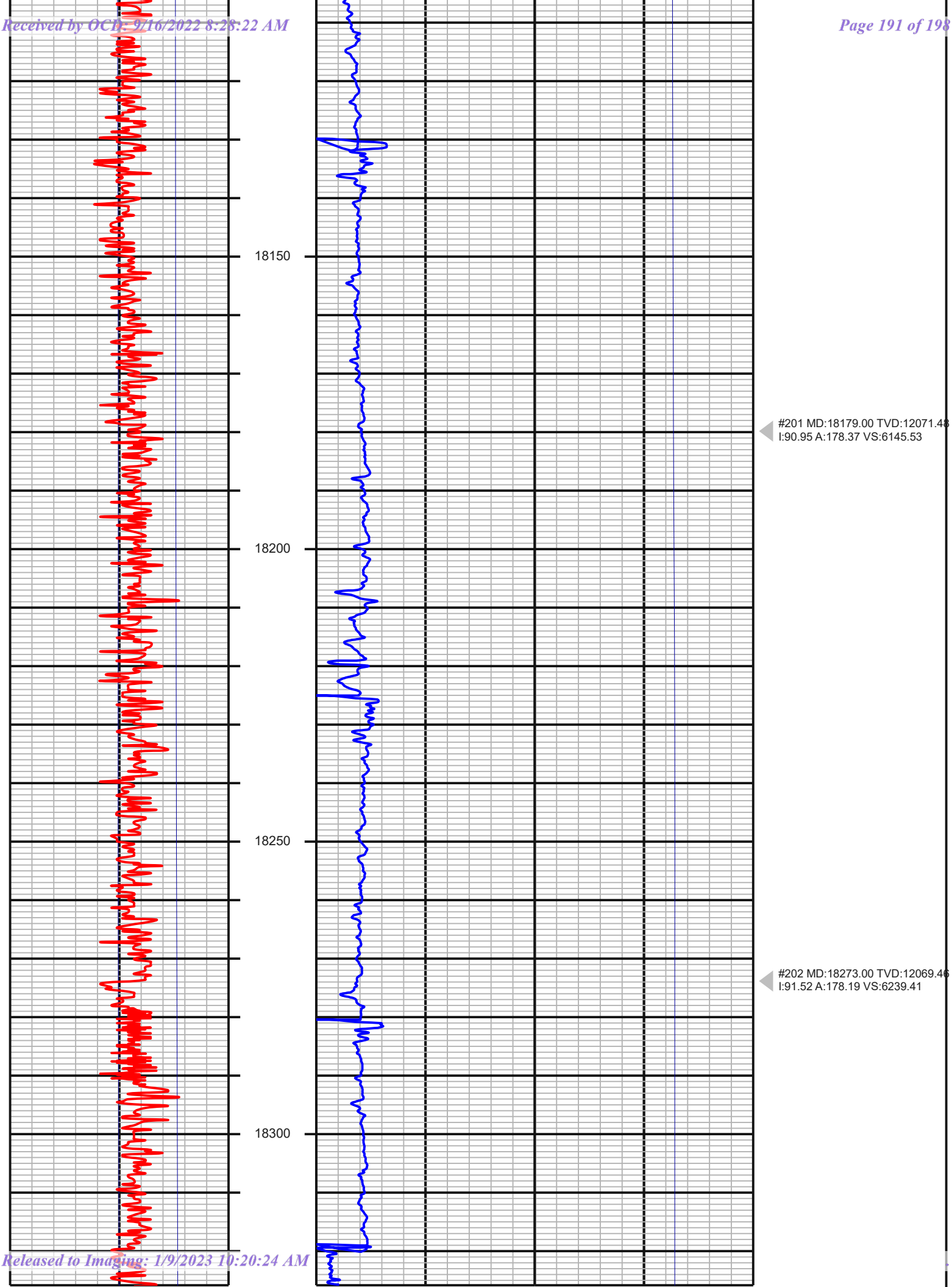

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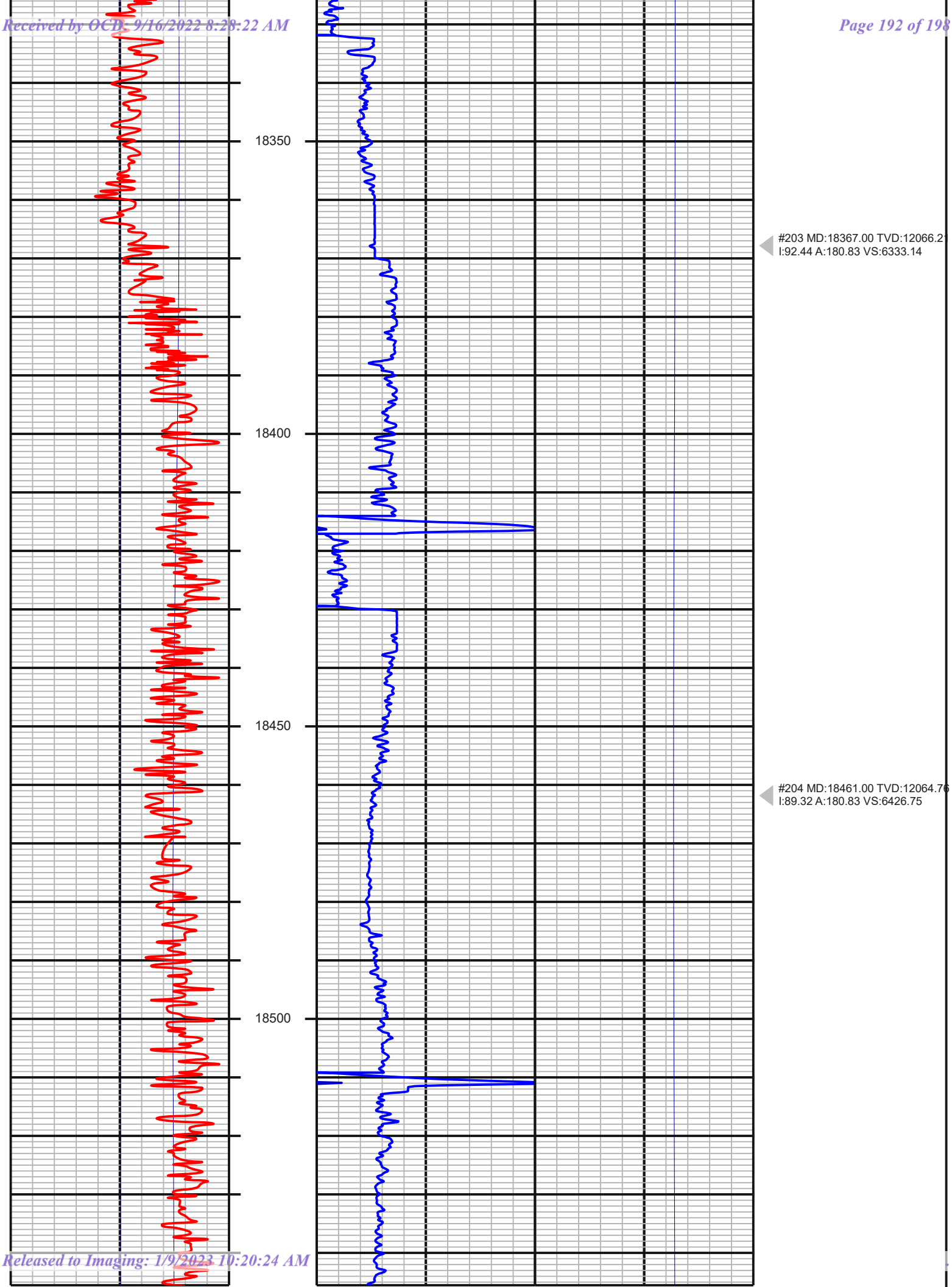

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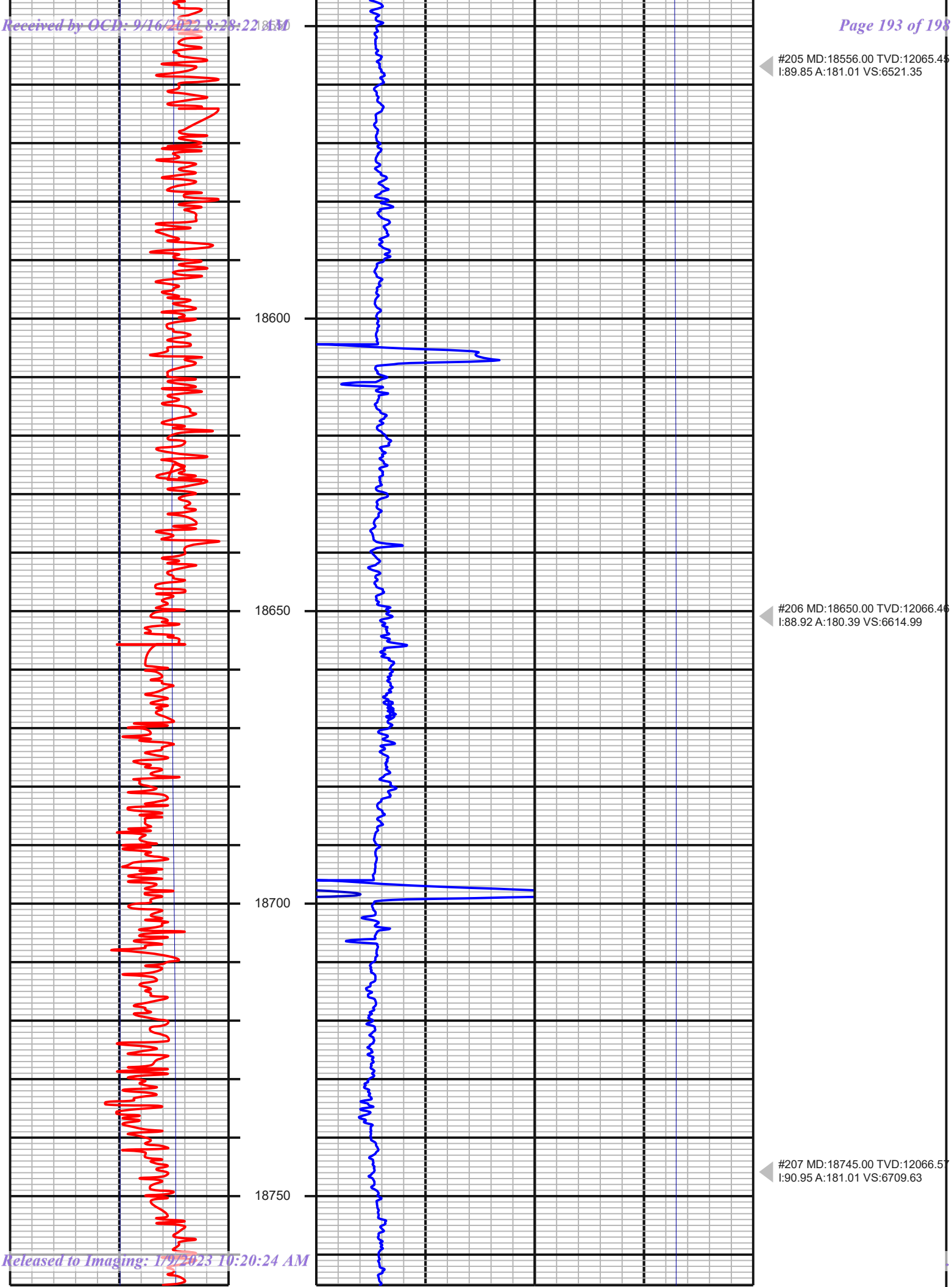
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18650
18700
18750
#205 MD:18556.00 TVD:12065.45
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#206 MD:18650.00 TVD:12066.46
I:88.92 A:180.39 VS:6614.99
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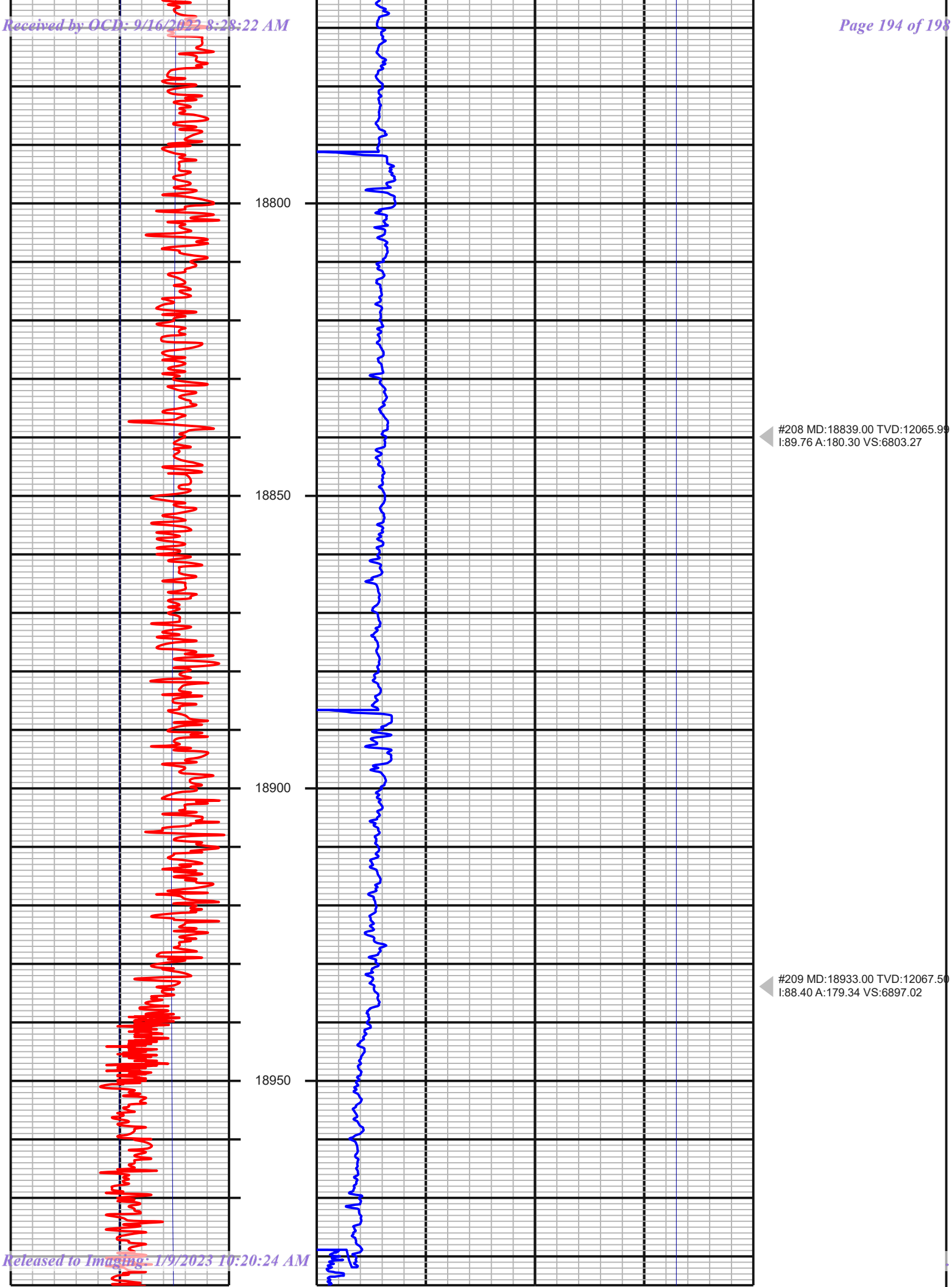

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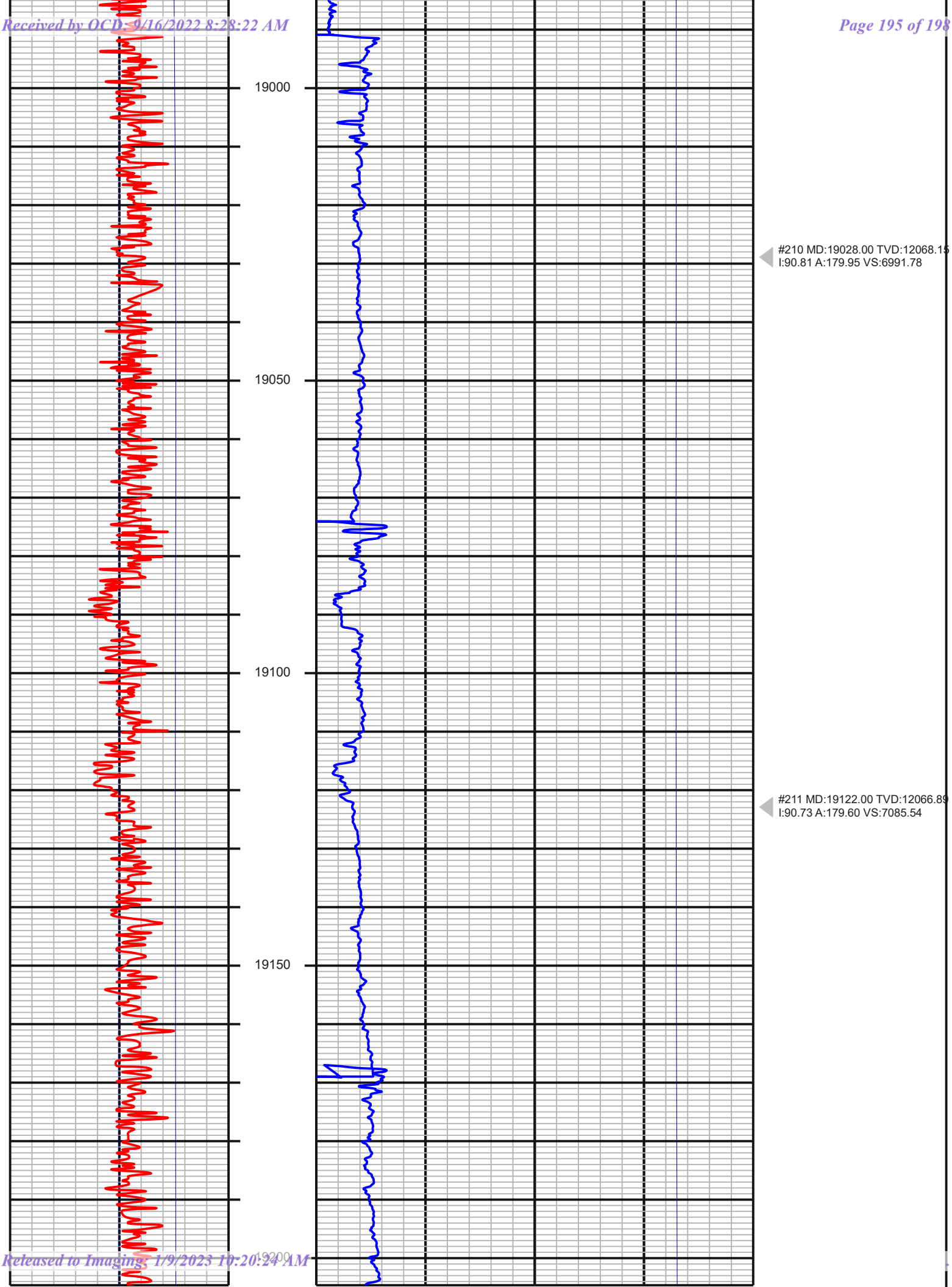

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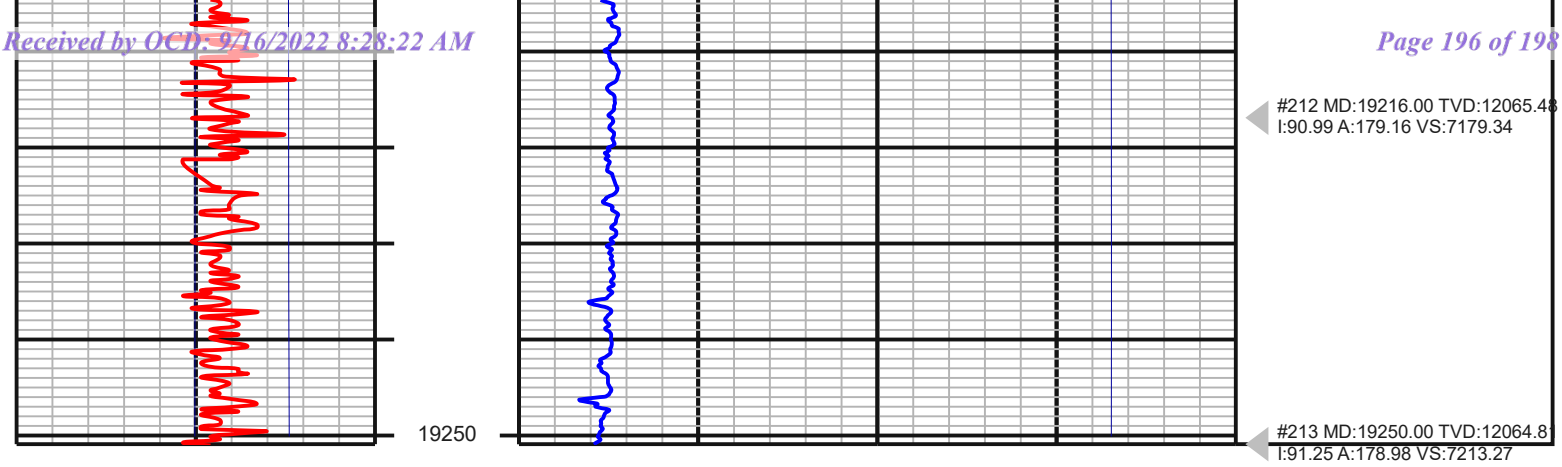
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I:90.99 A:179.16 VS:7179.34
19250
#213 MD:19250.00 TVD:12064.81
I:91.25 A:178.98 VS:7213.27

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

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 144004
	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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Santa Fe, NM 87505

CONDITIONS

Action 144004

CONDITIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 144004
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	Well logs must be submitted via the well log submission portal	1/9/2023