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
BTA OIL PRODUCERS, LLC	260297
	[3] Reason for Filing Code/ Effective Date: NEW WELL 10/21/2020

[4] API Number	[5] Pool Name	[6] Pool Code
30 – 025-46960	ANTELOPE RIDGE-BONESPRING NORTH	97293

[7] Property Code	[8] Property Name	[9] Well Number
327302	NORTH RIDGE 8040 FEDERAL 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 LEA
A	35	22S	34E		300’	NORTH	1065	EAST	

[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 LEA
H	2	23S	34E		2600	NORTH	380	EAST	

[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	FLOWING	10/26/20			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] O/G/W
34053	PLAINS MARKETING LP P.O. BOX 4648 HOUSTON, TX 77210-4648	O
159160	VERSADO GAS PROCESSORS, LLC 1000 LOUISIANA ST. STE 4700 Houston, TX. 77002-5021	G

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
7/02/2020	10/21/2020	18,087’	18,074’	10,620’-18,025’	

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
17 ½”	13 3/8”	1,807’	1,275
12 ¼”	9 5/8”	5,578’	2,440
8 ¾”	5 ½”	18,078’	2,570

V. Well Test Data

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
10/21/2020	10/26/2020	11/4/2020	24 HRS	1225 PSI	
[37] Choke Size	**[38] Oil**	**[39] Water**	**[40] Gas**		**[41] Test Method**
34/64	928 BO	2470 BW	1098 MCF		FLOWING

[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: Katy Reddell

Printed name: KATY REDDELL

Title: REGULATORY ANALYST

E-mail Address: kreddell@btaoil.com

Date: 11/19/2020

Phone: 432-682-3753

OIL CONSERVATION DIVISION

Approved by: KURT SIMMONS

Title: NMOCD, SANTA FE

Approval Date: 06/29/2021

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, New Mexico 87505

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

☐ AMENDED REPORT
☒ AS DRILLED PLAT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-46959	97293	ANTELOPE RIDGE-BONESPRING

Property Code	Property Name	Well Number
327302	NORTH RIDGE 8040 FEDERAL COM	3H

OGRID No.	Operator Name	Elevation
260297	BTA OIL PRODUCERS, LLC	3407

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	35	22-S	34-E		300	NORTH	1095	EAST	LEA

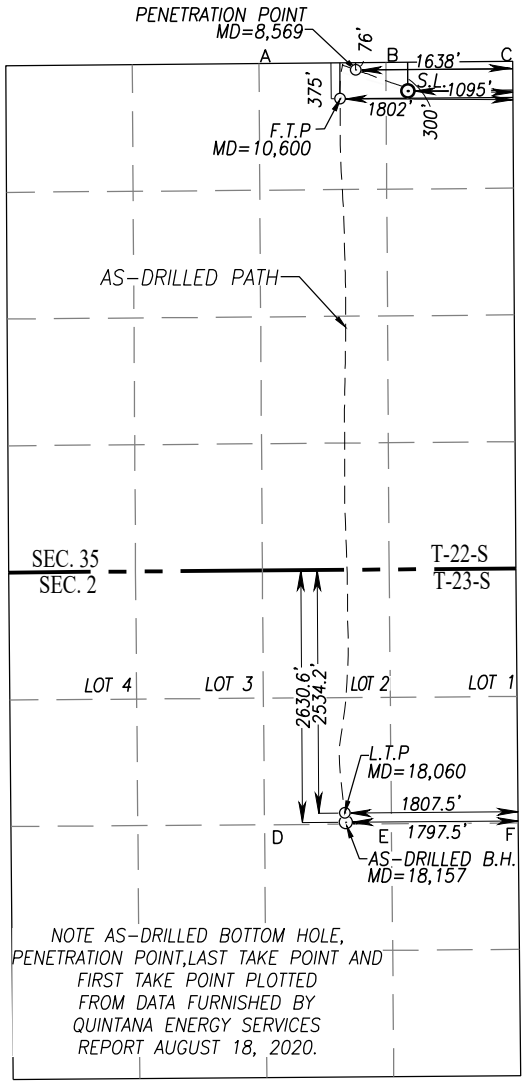
AS-Drilled Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	2	23-S	34-E		2630.6	NORTH	1797.5	EAST	LEA

Penetration Point Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	35	22-S	34-E		76	NORTH	1638	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
240			



NOTE AS-DRILLED BOTTOM HOLE, PENETRATION POINT, LAST TAKE POINT AND FIRST TAKE POINT PLOTTED FROM DATA FURNISHED BY QUINTANA ENERGY SERVICES REPORT AUGUST 18, 2020.

SCALE: 1"=2000'

GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION
Y= 493896.4 N
X= 818481.7 E
LAT.=32.354598° N
LONG.=103.435830° W

GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION
Y= 493836.1 N
X= 777298.1 E
LAT.=32.354474° N
LONG.=103.435352° W

PENETRATION POINT NAD 83 NME
Y= 494115.7 N
X= 817937.4 E
LAT.=32.355214° N
LONG.=103.437586° W

PENETRATION POINT NAD 27 NME
Y= 494055.4 N
X= 776753.9 E
LAT.=32.355089° N
LONG.=103.437108° W

FIRST TAKE POINT NAD 83 NME
Y= 493815.7 N
X= 817775.3 E
LAT.=32.354393° N
LONG.=103.438119° W

FIRST TAKE POINT NAD 27 NME
Y= 493755.4 N
X= 776591.8 E
LAT.=32.354268° N
LONG.=103.437641° W

CORNER COORDINATES TABLE NAD 27 NME
A - Y= 494123.1 N, X= 775747.3 E
B - Y= 494134.1 N, X= 777069.1 E
C - Y= 494145.1 N, X= 778391.0 E
D - Y= 486194.4 N, X= 775806.2 E
E - Y= 486203.5 N, X= 777127.4 E
F - Y= 486212.6 N, X= 778447.9 E

CORNER COORDINATES TABLE NAD 83 NME
A - Y= 494183.4 N, X= 816930.8 E
B - Y= 494194.4 N, X= 818252.7 E
C - Y= 494205.5 N, X= 819574.6 E
D - Y= 486254.4 N, X= 816989.8 E
E - Y= 486263.6 N, X= 818311.1 E
F - Y= 486272.7 N, X= 819631.6 E

LAST TAKE POINT NAD 83 NME
Y= 486376.5 N
X= 817823.4 E
LAT.=32.333945° N
LONG.=103.438165° W

LAST TAKE POINT NAD 27 NME
Y= 486316.4 N
X= 776639.7 E
LAT.=32.333820° N
LONG.=103.437687° W

AS-DRILLED BOTTOM HOLE LOCATION NAD 83 NME
Y= 486280.2 N
X= 817834.3 E
LAT.=32.333680° N
LONG.=103.438132° W

AS-DRILLED BOTTOM HOLE LOCATION NAD 27 NME
Y= 486220.1 N
X= 776650.5 E
LAT.=32.333555° N
LONG.=103.437655° W

OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Katy Reddell 12/15/2020
Signature Date

KATY REDDELL
Printed Name

kreddell@btaoil.com
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

NEW MEXICO 3239 REGISTERED PROFESSIONAL SURVEYOR

JANUARY 23, 2019
Date of Survey

Signature & Seal of Professional Surveyor:

Ronald J Eidson 12/07/2020

Certificate Number Gary G. Eidson 12641
Ronald J. Eidson 3239

LSL Rel.:19.13.0663 JWSC W.O.: 20.13.0548

BTA Oil Producers, LLC

Lea County, NM (NAD 83)
Sec 35, T22-S, R34-E
North Ridge 8040 Fed Com #3H

Wellbore #1

Design: Wellbore #1

Survey Report - Geographic

18 August, 2020

QUINTANA ENERGY SERVICES

QES

Survey Report - Geographic

Company:	BTA Oil Producers, LLC	**Local Co-ordinate Reference:**	Well North Ridge 8040 Fed Com #3H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	KB=25' @ 3432.0usft (Patterson #288)
Site:	Sec 35, T22-S, R34-E	**MD Reference:**	KB=25' @ 3432.0usft (Patterson #288)
Well:	North Ridge 8040 Fed Com #3H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 5000.1 Single User Db

Project Lea County, NM (NAD 83)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Sec 35, T22-S, R34-E

Site Position:		**Northing:**	493,874.60 usft	**Latitude:**	32° 21' 16.550 N
From:	Map	**Easting:**	815,915.80 usft	**Longitude:**	103° 26' 38.900 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.48 °

Well North Ridge 8040 Fed Com #3H

Well Position	**+N/-S**	0.0 usft	**Northing:**	493,896.40 usft	**Latitude:**	32° 21' 16.554 N
	+E/-W	0.0 usft	**Easting:**	818,481.70 usft	**Longitude:**	103° 26' 8.987 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,407.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	7/24/2020	6.52	60.10	47,891.30000000

Design Wellbore #1

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	184.75

Survey Program **Date** 8/18/2020

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
135.0	18,157.0	QES MWD Surveys (Wellbore #1)	MWD	OWSG MWD - Standard

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	493,896.40	818,481.70	32° 21' 16.554 N	103° 26' 8.987 W
135.0	0.70	29.40	135.0	0.7	0.4	493,897.12	818,482.10	32° 21' 16.561 N	103° 26' 8.982 W
First MWD Survey @ 135.0' MD / 135.0' TVD									
260.0	0.40	6.60	260.0	1.8	0.8	493,898.22	818,482.53	32° 21' 16.572 N	103° 26' 8.977 W
412.0	0.90	35.20	412.0	3.3	1.6	493,899.72	818,483.28	32° 21' 16.587 N	103° 26' 8.969 W
596.0	0.80	67.90	596.0	5.0	3.6	493,901.38	818,485.30	32° 21' 16.603 N	103° 26' 8.945 W
722.0	0.80	77.60	721.9	5.5	5.3	493,901.90	818,486.97	32° 21' 16.608 N	103° 26' 8.925 W
878.0	1.30	36.30	877.9	7.2	7.4	493,903.56	818,489.09	32° 21' 16.624 N	103° 26' 8.900 W
1,068.0	1.40	70.70	1,067.9	9.7	10.9	493,906.07	818,492.55	32° 21' 16.649 N	103° 26' 8.860 W
1,163.0	1.20	45.20	1,162.9	10.8	12.7	493,907.15	818,494.35	32° 21' 16.659 N	103° 26' 8.839 W
1,258.0	1.50	35.20	1,257.8	12.5	14.1	493,908.87	818,495.78	32° 21' 16.676 N	103° 26' 8.822 W
1,353.0	1.40	44.20	1,352.8	14.3	15.6	493,910.72	818,497.30	32° 21' 16.694 N	103° 26' 8.804 W

QES

Survey Report - Geographic

Company:	BTA Oil Producers, LLC	**Local Co-ordinate Reference:**	Well North Ridge 8040 Fed Com #3H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	KB=25' @ 3432.0usft (Patterson #288)
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Well:	North Ridge 8040 Fed Com #3H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,448.0	1.10	30.80	1,447.8	15.9	16.9	493,912.33	818,498.58	32° 21' 16.710 N	103° 26' 8.789 W
1,543.0	1.10	20.80	1,542.8	17.6	17.7	493,913.97	818,499.37	32° 21' 16.726 N	103° 26' 8.780 W
1,638.0	1.10	15.90	1,637.7	19.3	18.2	493,915.70	818,499.94	32° 21' 16.743 N	103° 26' 8.773 W
1,733.0	0.40	18.70	1,732.7	20.5	18.6	493,916.89	818,500.30	32° 21' 16.755 N	103° 26' 8.768 W
1,874.0	0.80	353.50	1,873.7	21.9	18.6	493,918.33	818,500.34	32° 21' 16.770 N	103° 26' 8.768 W
1,969.0	1.10	347.70	1,968.7	23.5	18.4	493,919.88	818,500.08	32° 21' 16.785 N	103° 26' 8.771 W
2,064.0	1.30	329.70	2,063.7	25.3	17.6	493,921.71	818,499.34	32° 21' 16.803 N	103° 26' 8.779 W
2,159.0	2.10	324.50	2,158.6	27.7	16.1	493,924.05	818,497.78	32° 21' 16.826 N	103° 26' 8.797 W
2,254.0	2.70	317.20	2,253.6	30.7	13.6	493,927.11	818,495.25	32° 21' 16.857 N	103° 26' 8.826 W
2,349.0	3.20	290.30	2,348.4	33.3	9.5	493,929.67	818,491.24	32° 21' 16.882 N	103° 26' 8.873 W
2,444.0	3.60	270.50	2,443.3	34.2	4.1	493,930.62	818,485.78	32° 21' 16.892 N	103° 26' 8.936 W
2,539.0	2.80	250.60	2,538.1	33.5	-1.1	493,929.87	818,480.60	32° 21' 16.885 N	103° 26' 8.997 W
2,634.0	2.60	217.50	2,633.0	31.0	-4.6	493,927.39	818,477.10	32° 21' 16.861 N	103° 26' 9.038 W
2,729.0	2.50	196.10	2,727.9	27.3	-6.5	493,923.69	818,475.22	32° 21' 16.825 N	103° 26' 9.060 W
2,824.0	1.90	175.20	2,822.9	23.7	-6.9	493,920.13	818,474.77	32° 21' 16.789 N	103° 26' 9.066 W
2,919.0	1.80	160.70	2,917.8	20.8	-6.3	493,917.16	818,475.40	32° 21' 16.760 N	103° 26' 9.059 W
3,013.0	2.40	156.30	3,011.8	17.6	-5.0	493,913.96	818,476.68	32° 21' 16.728 N	103° 26' 9.044 W
3,108.0	3.20	154.00	3,106.6	13.4	-3.1	493,909.76	818,478.64	32° 21' 16.686 N	103° 26' 9.022 W
3,203.0	4.40	153.40	3,201.4	7.7	-0.3	493,904.11	818,481.43	32° 21' 16.630 N	103° 26' 8.990 W
3,298.0	4.40	157.50	3,296.2	1.1	2.8	493,897.49	818,484.46	32° 21' 16.565 N	103° 26' 8.955 W
3,393.0	4.70	161.30	3,390.9	-6.0	5.4	493,890.44	818,487.10	32° 21' 16.495 N	103° 26' 8.925 W
3,489.0	4.80	166.30	3,486.5	-13.6	7.6	493,882.81	818,489.32	32° 21' 16.419 N	103° 26' 8.900 W
3,583.0	3.10	160.00	3,580.3	-19.8	9.4	493,876.60	818,491.12	32° 21' 16.357 N	103° 26' 8.879 W
3,678.0	1.80	144.10	3,675.2	-23.4	11.2	493,872.98	818,492.87	32° 21' 16.321 N	103° 26' 8.859 W
3,773.0	1.40	115.70	3,770.2	-25.1	13.1	493,871.26	818,494.79	32° 21' 16.304 N	103° 26' 8.837 W
3,868.0	1.60	35.10	3,865.1	-24.6	14.9	493,871.85	818,496.60	32° 21' 16.310 N	103° 26' 8.816 W
3,963.0	2.60	355.20	3,960.1	-21.3	15.5	493,875.08	818,497.18	32° 21' 16.342 N	103° 26' 8.809 W
4,058.0	3.20	348.30	4,055.0	-16.6	14.8	493,879.82	818,496.46	32° 21' 16.389 N	103° 26' 8.817 W
4,153.0	3.10	343.30	4,149.8	-11.5	13.5	493,884.88	818,495.19	32° 21' 16.439 N	103° 26' 8.831 W
4,248.0	3.30	330.60	4,244.7	-6.7	11.4	493,889.72	818,493.11	32° 21' 16.487 N	103° 26' 8.855 W
4,343.0	4.40	321.10	4,339.5	-1.5	7.8	493,894.94	818,489.48	32° 21' 16.539 N	103° 26' 8.897 W
4,438.0	5.40	313.10	4,434.1	4.4	2.2	493,900.83	818,483.92	32° 21' 16.598 N	103° 26' 8.961 W
4,533.0	6.60	312.50	4,528.6	11.2	-5.1	493,907.57	818,476.63	32° 21' 16.665 N	103° 26' 9.045 W
4,628.0	8.40	309.90	4,622.8	19.3	-14.4	493,915.71	818,467.28	32° 21' 16.746 N	103° 26' 9.153 W
4,723.0	9.50	310.60	4,716.6	28.9	-25.7	493,925.27	818,456.01	32° 21' 16.842 N	103° 26' 9.284 W
4,818.0	9.50	306.00	4,810.3	38.6	-38.0	493,934.98	818,443.71	32° 21' 16.939 N	103° 26' 9.426 W
4,913.0	9.50	294.80	4,904.0	46.5	-51.4	493,942.87	818,430.25	32° 21' 17.018 N	103° 26' 9.582 W
5,008.0	10.00	287.80	4,997.7	52.3	-66.4	493,948.68	818,415.28	32° 21' 17.077 N	103° 26' 9.756 W
5,104.0	9.80	288.40	5,092.2	57.4	-82.1	493,953.81	818,399.59	32° 21' 17.129 N	103° 26' 9.939 W
5,199.0	9.80	288.40	5,185.8	62.5	-97.4	493,958.92	818,384.25	32° 21' 17.181 N	103° 26' 10.117 W
5,294.0	9.50	289.80	5,279.5	67.7	-112.5	493,964.12	818,369.20	32° 21' 17.233 N	103° 26' 10.292 W
5,389.0	9.30	288.50	5,373.2	72.8	-127.2	493,969.21	818,354.55	32° 21' 17.285 N	103° 26' 10.462 W
5,484.0	8.90	287.90	5,467.0	77.5	-141.4	493,973.91	818,340.27	32° 21' 17.333 N	103° 26' 10.628 W
5,535.0	8.70	287.60	5,517.4	79.9	-148.9	493,976.29	818,332.84	32° 21' 17.357 N	103° 26' 10.715 W
5,623.0	8.70	287.30	5,604.4	83.9	-161.6	493,980.28	818,320.15	32° 21' 17.397 N	103° 26' 10.862 W
5,718.0	8.80	289.00	5,698.3	88.4	-175.3	493,984.78	818,306.41	32° 21' 17.443 N	103° 26' 11.022 W
5,813.0	8.80	288.90	5,792.2	93.1	-189.0	493,989.50	818,292.67	32° 21' 17.491 N	103° 26' 11.182 W
5,908.0	8.70	289.70	5,886.1	97.9	-202.7	493,994.28	818,279.03	32° 21' 17.539 N	103° 26' 11.340 W
6,003.0	8.50	290.30	5,980.0	102.7	-216.0	493,999.13	818,265.68	32° 21' 17.588 N	103° 26' 11.495 W
6,098.0	8.40	290.60	6,074.0	107.6	-229.1	494,004.01	818,252.60	32° 21' 17.638 N	103° 26' 11.647 W
6,194.0	8.40	290.60	6,168.9	112.5	-242.2	494,008.95	818,239.47	32° 21' 17.688 N	103° 26' 11.800 W
6,288.0	8.50	290.50	6,261.9	117.4	-255.2	494,013.79	818,226.54	32° 21' 17.737 N	103° 26' 11.950 W
6,383.0	8.70	289.80	6,355.9	122.3	-268.5	494,018.69	818,213.20	32° 21' 17.786 N	103° 26' 12.105 W
6,478.0	8.60	289.30	6,449.8	127.1	-282.0	494,023.47	818,199.74	32° 21' 17.835 N	103° 26' 12.262 W
6,574.0	7.90	290.60	6,544.8	131.8	-294.9	494,028.16	818,186.79	32° 21' 17.882 N	103° 26' 12.412 W

QES

Survey Report - Geographic

Company:	BTA Oil Producers, LLC	**Local Co-ordinate Reference:**	Well North Ridge 8040 Fed Com #3H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	KB=25' @ 3432.0usft (Patterson #288)
Site:	Sec 35, T22-S, R34-E	**MD Reference:**	KB=25' @ 3432.0usft (Patterson #288)
Well:	North Ridge 8040 Fed Com #3H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,669.0	7.90	290.70	6,638.9	136.4	-307.1	494,032.77	818,174.57	32° 21' 17.929 N	103° 26' 12.554 W
6,764.0	7.80	289.40	6,733.0	140.8	-319.3	494,037.22	818,162.38	32° 21' 17.974 N	103° 26' 12.696 W
6,859.0	7.70	289.80	6,827.1	145.1	-331.4	494,041.51	818,150.31	32° 21' 18.017 N	103° 26' 12.836 W
6,954.0	8.00	290.90	6,921.2	149.6	-343.5	494,046.03	818,138.15	32° 21' 18.063 N	103° 26' 12.977 W
7,049.0	7.90	292.30	7,015.3	154.5	-355.8	494,050.86	818,125.93	32° 21' 18.112 N	103° 26' 13.119 W
7,144.0	7.70	292.60	7,109.4	159.4	-367.7	494,055.79	818,114.02	32° 21' 18.162 N	103° 26' 13.258 W
7,239.0	7.40	291.20	7,203.6	164.0	-379.3	494,060.44	818,102.44	32° 21' 18.209 N	103° 26' 13.392 W
7,334.0	7.10	290.50	7,297.9	168.3	-390.5	494,064.71	818,091.23	32° 21' 18.252 N	103° 26' 13.522 W
7,429.0	6.50	289.50	7,392.2	172.2	-401.0	494,068.56	818,080.67	32° 21' 18.291 N	103° 26' 13.645 W
7,524.0	6.10	289.80	7,486.6	175.7	-410.8	494,072.07	818,070.85	32° 21' 18.326 N	103° 26' 13.759 W
7,619.0	7.00	284.90	7,581.0	178.9	-421.2	494,075.27	818,060.51	32° 21' 18.359 N	103° 26' 13.880 W
7,714.0	7.00	285.60	7,675.3	181.9	-432.4	494,078.31	818,049.34	32° 21' 18.390 N	103° 26' 14.010 W
7,809.0	6.50	287.10	7,769.6	185.0	-443.1	494,081.45	818,038.62	32° 21' 18.422 N	103° 26' 14.134 W
7,904.0	8.00	286.20	7,863.9	188.5	-454.6	494,084.88	818,027.13	32° 21' 18.457 N	103° 26' 14.268 W
7,999.0	8.10	287.30	7,957.9	192.3	-467.3	494,088.71	818,014.39	32° 21' 18.496 N	103° 26' 14.416 W
8,094.0	7.80	286.90	8,052.0	196.2	-479.9	494,092.57	818,001.84	32° 21' 18.535 N	103° 26' 14.562 W
8,189.0	7.30	287.60	8,146.2	199.9	-491.8	494,096.27	817,989.91	32° 21' 18.572 N	103° 26' 14.700 W
8,283.0	8.40	289.50	8,239.3	204.0	-503.9	494,100.37	817,977.75	32° 21' 18.614 N	103° 26' 14.842 W
8,378.0	9.00	290.90	8,333.2	208.9	-517.4	494,105.34	817,964.27	32° 21' 18.664 N	103° 26' 14.999 W
8,474.0	8.60	291.30	8,428.1	214.2	-531.1	494,110.62	817,950.56	32° 21' 18.718 N	103° 26' 15.158 W
8,569.0	8.60	291.20	8,522.0	219.4	-544.4	494,115.77	817,937.32	32° 21' 18.770 N	103° 26' 15.312 W
8,664.0	8.00	291.30	8,616.0	224.3	-557.2	494,120.74	817,924.54	32° 21' 18.820 N	103° 26' 15.460 W
8,759.0	7.70	292.50	8,710.1	229.2	-569.2	494,125.58	817,912.50	32° 21' 18.869 N	103° 26' 15.600 W
8,854.0	7.00	292.70	8,804.4	233.8	-580.4	494,130.25	817,901.28	32° 21' 18.916 N	103° 26' 15.730 W
8,949.0	8.00	291.40	8,898.5	238.5	-591.9	494,134.90	817,889.79	32° 21' 18.963 N	103° 26' 15.864 W
9,044.0	7.70	290.00	8,992.7	243.1	-604.0	494,139.48	817,877.65	32° 21' 19.009 N	103° 26' 16.005 W
9,139.0	6.20	291.20	9,087.0	247.1	-614.8	494,143.52	817,866.89	32° 21' 19.050 N	103° 26' 16.130 W
9,234.0	8.10	290.70	9,181.2	251.3	-625.9	494,147.74	817,855.84	32° 21' 19.093 N	103° 26' 16.258 W
9,329.0	8.60	283.80	9,275.2	255.4	-639.0	494,151.80	817,842.68	32° 21' 19.134 N	103° 26' 16.411 W
9,425.0	8.50	284.70	9,370.1	258.9	-652.8	494,155.31	817,828.85	32° 21' 19.170 N	103° 26' 16.572 W
9,520.0	8.00	283.60	9,464.2	262.2	-666.1	494,158.65	817,815.64	32° 21' 19.204 N	103° 26' 16.726 W
9,615.0	4.80	305.00	9,558.6	266.1	-675.7	494,162.48	817,805.95	32° 21' 19.243 N	103° 26' 16.839 W
9,710.0	2.90	6.50	9,653.4	270.8	-678.7	494,167.15	817,802.96	32° 21' 19.289 N	103° 26' 16.873 W
9,805.0	2.50	8.90	9,748.3	275.2	-678.1	494,171.59	817,803.56	32° 21' 19.333 N	103° 26' 16.866 W
9,863.0	2.40	4.50	9,806.2	277.6	-677.8	494,174.05	817,803.85	32° 21' 19.357 N	103° 26' 16.862 W
9,922.0	1.70	357.20	9,865.2	279.8	-677.8	494,176.15	817,803.90	32° 21' 19.378 N	103° 26' 16.861 W
10,017.0	11.40	193.90	9,959.6	272.0	-680.1	494,168.41	817,801.57	32° 21' 19.302 N	103° 26' 16.889 W
10,112.0	21.90	192.40	10,050.5	245.5	-686.2	494,141.92	817,795.49	32° 21' 19.040 N	103° 26' 16.962 W
10,208.0	29.20	188.80	10,137.1	204.8	-693.6	494,101.24	817,788.05	32° 21' 18.638 N	103° 26' 17.053 W
10,229.7	30.87	187.73	10,155.9	194.1	-695.2	494,090.49	817,786.50	32° 21' 18.532 N	103° 26' 17.072 W
100' HL Crossed @ 10229.7'MD / 10155.9' TVD									
10,302.0	36.50	184.80	10,216.0	154.2	-699.5	494,050.64	817,782.20	32° 21' 18.138 N	103° 26' 17.126 W
10,397.0	47.10	185.40	10,286.7	91.3	-705.2	493,987.67	817,776.54	32° 21' 17.516 N	103° 26' 17.198 W
10,493.0	57.80	180.80	10,345.2	15.4	-709.0	493,911.80	817,772.65	32° 21' 16.765 N	103° 26' 17.251 W
10,588.0	68.70	176.50	10,387.9	-69.2	-706.9	493,827.15	817,774.80	32° 21' 15.927 N	103° 26' 17.234 W
10,683.0	76.90	179.30	10,415.9	-159.9	-703.6	493,736.55	817,778.08	32° 21' 15.031 N	103° 26' 17.205 W
10,778.0	82.80	181.60	10,432.7	-253.3	-704.4	493,643.09	817,777.32	32° 21' 14.106 N	103° 26' 17.223 W
10,873.0	88.50	179.50	10,439.9	-348.0	-705.3	493,548.41	817,776.42	32° 21' 13.169 N	103° 26' 17.243 W
10,895.0	89.10	180.00	10,440.4	-370.0	-705.2	493,526.41	817,776.52	32° 21' 12.952 N	103° 26' 17.244 W
10,990.0	89.70	180.20	10,441.3	-465.0	-705.3	493,431.42	817,776.35	32° 21' 12.012 N	103° 26' 17.255 W
11,085.0	86.20	178.30	10,444.7	-559.9	-704.1	493,336.51	817,777.59	32° 21' 11.072 N	103° 26' 17.250 W
11,181.0	85.30	178.00	10,451.9	-655.6	-701.0	493,240.82	817,780.68	32° 21' 10.125 N	103° 26' 17.223 W
11,276.0	85.30	178.30	10,459.6	-750.2	-698.0	493,146.19	817,783.74	32° 21' 9.189 N	103° 26' 17.197 W
11,371.0	86.90	176.60	10,466.1	-844.9	-693.7	493,051.51	817,787.96	32° 21' 8.252 N	103° 26' 17.157 W
11,466.0	87.40	176.50	10,470.8	-939.6	-688.0	492,956.80	817,793.67	32° 21' 7.314 N	103° 26' 17.099 W

QES

Survey Report - Geographic

Company:	BTA Oil Producers, LLC	**Local Co-ordinate Reference:**	Well North Ridge 8040 Fed Com #3H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	KB=25' @ 3432.0usft (Patterson #288)
Site:	Sec 35, T22-S, R34-E	**MD Reference:**	KB=25' @ 3432.0usft (Patterson #288)
Well:	North Ridge 8040 Fed Com #3H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,561.0	87.30	176.60	10,475.2	-1,034.3	-682.3	492,862.07	817,799.38	32° 21' 6.376 N	103° 26' 17.042 W
11,657.0	90.20	176.50	10,477.3	-1,130.1	-676.5	492,766.28	817,805.15	32° 21' 5.428 N	103° 26' 16.984 W
11,752.0	91.60	176.80	10,475.8	-1,224.9	-671.0	492,671.46	817,810.70	32° 21' 4.489 N	103° 26' 16.928 W
11,847.0	89.70	178.40	10,474.7	-1,319.8	-667.0	492,576.56	817,814.68	32° 21' 3.550 N	103° 26' 16.891 W
11,942.0	89.50	178.50	10,475.4	-1,414.8	-664.4	492,481.59	817,817.25	32° 21' 2.610 N	103° 26' 16.871 W
12,037.0	89.80	178.60	10,476.0	-1,509.8	-662.0	492,386.62	817,819.65	32° 21' 1.670 N	103° 26' 16.852 W
12,132.0	90.10	178.70	10,476.1	-1,604.7	-659.8	492,291.65	817,821.89	32° 21' 0.730 N	103° 26' 16.835 W
12,227.0	89.60	178.70	10,476.3	-1,699.7	-657.7	492,196.68	817,824.05	32° 20' 59.790 N	103° 26' 16.819 W
12,323.0	89.50	178.50	10,477.1	-1,795.7	-655.3	492,100.71	817,826.39	32° 20' 58.841 N	103° 26' 16.801 W
12,418.0	89.60	178.40	10,477.8	-1,890.7	-652.7	492,005.75	817,828.96	32° 20' 57.901 N	103° 26' 16.781 W
12,513.0	89.80	178.30	10,478.3	-1,985.6	-650.0	491,910.79	817,831.70	32° 20' 56.961 N	103° 26' 16.758 W
12,608.0	89.40	179.80	10,479.0	-2,080.6	-648.4	491,815.80	817,833.27	32° 20' 56.021 N	103° 26' 16.749 W
12,703.0	89.50	179.90	10,479.9	-2,175.6	-648.2	491,720.81	817,833.52	32° 20' 55.081 N	103° 26' 16.755 W
12,798.0	89.50	179.90	10,480.7	-2,270.6	-648.0	491,625.81	817,833.69	32° 20' 54.141 N	103° 26' 16.762 W
12,893.0	89.40	179.90	10,481.6	-2,365.6	-647.8	491,530.82	817,833.85	32° 20' 53.201 N	103° 26' 16.770 W
12,988.0	89.70	179.90	10,482.4	-2,460.6	-647.7	491,435.82	817,834.02	32° 20' 52.261 N	103° 26' 16.777 W
13,083.0	88.10	180.70	10,484.2	-2,555.6	-648.2	491,340.84	817,833.52	32° 20' 51.321 N	103° 26' 16.792 W
13,178.0	87.60	180.80	10,487.8	-2,650.5	-649.4	491,245.92	817,832.28	32° 20' 50.382 N	103° 26' 16.816 W
13,272.0	87.70	181.10	10,491.6	-2,744.4	-651.0	491,152.01	817,830.72	32° 20' 49.453 N	103° 26' 16.843 W
13,367.0	87.90	181.00	10,495.3	-2,839.3	-652.7	491,057.10	817,828.98	32° 20' 48.514 N	103° 26' 16.873 W
13,462.0	88.00	181.00	10,498.7	-2,934.2	-654.4	490,962.17	817,827.33	32° 20' 47.575 N	103° 26' 16.901 W
13,557.0	87.90	180.90	10,502.1	-3,029.2	-655.9	490,867.25	817,825.75	32° 20' 46.636 N	103° 26' 16.929 W
13,652.0	87.80	181.10	10,505.6	-3,124.1	-657.6	490,772.33	817,824.10	32° 20' 45.697 N	103° 26' 16.957 W
13,747.0	87.80	180.90	10,509.3	-3,219.0	-659.3	490,677.41	817,822.44	32° 20' 44.758 N	103° 26' 16.986 W
13,842.0	89.20	180.00	10,511.8	-3,314.0	-660.0	490,582.45	817,821.69	32° 20' 43.818 N	103° 26' 17.004 W
13,937.0	89.70	180.00	10,512.7	-3,408.9	-660.0	490,487.46	817,821.69	32° 20' 42.878 N	103° 26' 17.013 W
14,032.0	90.00	179.90	10,512.9	-3,503.9	-659.9	490,392.46	817,821.78	32° 20' 41.938 N	103° 26' 17.022 W
14,127.0	90.50	179.40	10,512.5	-3,598.9	-659.3	490,297.46	817,822.36	32° 20' 40.998 N	103° 26' 17.024 W
14,222.0	90.20	179.70	10,511.9	-3,693.9	-658.6	490,202.46	817,823.10	32° 20' 40.058 N	103° 26' 17.025 W
14,317.0	89.80	180.00	10,511.9	-3,788.9	-658.3	490,107.46	817,823.35	32° 20' 39.118 N	103° 26' 17.031 W
14,412.0	89.80	180.00	10,512.3	-3,883.9	-658.3	490,012.47	817,823.35	32° 20' 38.178 N	103° 26' 17.040 W
14,507.0	89.80	180.10	10,512.6	-3,978.9	-658.4	489,917.47	817,823.27	32° 20' 37.238 N	103° 26' 17.050 W
14,602.0	90.00	180.10	10,512.8	-4,073.9	-658.6	489,822.47	817,823.10	32° 20' 36.298 N	103° 26' 17.062 W
14,697.0	89.80	180.20	10,512.9	-4,168.9	-658.8	489,727.47	817,822.85	32° 20' 35.358 N	103° 26' 17.074 W
14,792.0	90.50	179.40	10,512.7	-4,263.9	-658.5	489,632.47	817,823.18	32° 20' 34.418 N	103° 26' 17.079 W
14,887.0	92.30	178.00	10,510.4	-4,358.9	-656.4	489,537.53	817,825.34	32° 20' 33.479 N	103° 26' 17.063 W
14,982.0	93.00	177.80	10,506.0	-4,453.7	-652.9	489,442.69	817,828.82	32° 20' 32.540 N	103° 26' 17.032 W
15,077.0	93.40	177.70	10,500.7	-4,548.5	-649.2	489,347.92	817,832.54	32° 20' 31.602 N	103° 26' 16.998 W
15,172.0	93.50	178.00	10,494.9	-4,643.2	-645.6	489,253.15	817,836.10	32° 20' 30.664 N	103° 26' 16.966 W
15,267.0	92.00	178.00	10,490.4	-4,738.1	-642.3	489,158.32	817,839.41	32° 20' 29.726 N	103° 26' 16.936 W
15,363.0	92.20	178.00	10,486.9	-4,834.0	-638.9	489,062.45	817,842.76	32° 20' 28.777 N	103° 26' 16.907 W
15,458.0	92.60	177.80	10,482.9	-4,928.8	-635.5	488,967.59	817,846.24	32° 20' 27.838 N	103° 26' 16.875 W
15,552.0	91.40	179.10	10,479.6	-5,022.7	-632.9	488,873.69	817,848.78	32° 20' 26.908 N	103° 26' 16.855 W
15,647.0	91.40	179.10	10,477.3	-5,117.7	-631.4	488,778.73	817,850.27	32° 20' 25.969 N	103° 26' 16.847 W
15,742.0	91.70	179.00	10,474.7	-5,212.6	-629.9	488,683.78	817,851.84	32° 20' 25.029 N	103° 26' 16.838 W
15,837.0	91.10	179.40	10,472.4	-5,307.6	-628.5	488,588.82	817,853.17	32° 20' 24.089 N	103° 26' 16.831 W
15,932.0	90.70	179.70	10,470.9	-5,402.6	-627.8	488,493.83	817,853.91	32° 20' 23.149 N	103° 26' 16.832 W
16,027.0	91.10	179.10	10,469.4	-5,497.6	-626.8	488,398.85	817,854.91	32° 20' 22.210 N	103° 26' 16.830 W
16,122.0	91.30	178.60	10,467.4	-5,592.5	-624.9	488,303.89	817,856.82	32° 20' 21.270 N	103° 26' 16.817 W
16,217.0	91.90	178.30	10,464.8	-5,687.4	-622.3	488,208.96	817,859.38	32° 20' 20.330 N	103° 26' 16.796 W
16,311.0	91.60	179.90	10,461.9	-5,781.4	-620.8	488,115.02	817,860.86	32° 20' 19.401 N	103° 26' 16.788 W
16,407.0	90.00	181.10	10,460.6	-5,877.4	-621.7	488,019.04	817,860.02	32° 20' 18.451 N	103° 26' 16.807 W
16,502.0	89.40	182.70	10,461.1	-5,972.3	-624.8	487,924.10	817,856.87	32° 20' 17.512 N	103° 26' 16.853 W
16,597.0	89.50	182.60	10,462.0	-6,067.2	-629.2	487,829.20	817,852.48	32° 20' 16.573 N	103° 26' 16.913 W
16,692.0	90.30	183.60	10,462.1	-6,162.1	-634.4	487,734.34	817,847.34	32° 20' 15.635 N	103° 26' 16.983 W

QES

Survey Report - Geographic

Company:	BTA Oil Producers, LLC	**Local Co-ordinate Reference:**	Well North Ridge 8040 Fed Com #3H
Project:	Lea County, NM (NAD 83)	**TVD Reference:**	KB=25' @ 3432.0usft (Patterson #288)
Site:	Sec 35, T22-S, R34-E	**MD Reference:**	KB=25' @ 3432.0usft (Patterson #288)
Well:	North Ridge 8040 Fed Com #3H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
16,787.0	90.70	183.70	10,461.3	-6,256.9	-640.4	487,639.54	817,841.29	32° 20' 14.698 N	103° 26' 17.062 W
16,882.0	90.90	185.00	10,460.0	-6,351.6	-647.6	487,544.82	817,834.09	32° 20' 13.761 N	103° 26' 17.155 W
16,977.0	92.20	187.20	10,457.4	-6,446.0	-657.7	487,450.40	817,824.00	32° 20' 12.828 N	103° 26' 17.282 W
17,072.0	94.30	188.10	10,452.0	-6,540.0	-670.3	487,356.41	817,811.38	32° 20' 11.899 N	103° 26' 17.439 W
17,165.0	95.10	189.10	10,444.4	-6,631.6	-684.2	487,264.76	817,797.52	32° 20' 10.993 N	103° 26' 17.609 W
17,260.0	91.20	188.30	10,439.2	-6,725.4	-698.5	487,171.02	817,783.17	32° 20' 10.067 N	103° 26' 17.785 W
17,355.0	89.20	185.30	10,438.8	-6,819.7	-709.8	487,076.70	817,771.93	32° 20' 9.134 N	103° 26' 17.926 W
17,450.0	86.80	179.00	10,442.2	-6,914.5	-713.3	486,981.88	817,768.36	32° 20' 8.196 N	103° 26' 17.976 W
17,545.0	86.90	177.20	10,447.4	-7,009.3	-710.2	486,887.08	817,771.51	32° 20' 7.258 N	103° 26' 17.949 W
17,641.0	86.20	175.10	10,453.2	-7,104.9	-703.8	486,791.48	817,777.94	32° 20' 6.312 N	103° 26' 17.883 W
17,736.0	87.30	174.30	10,458.6	-7,199.4	-695.0	486,697.04	817,786.70	32° 20' 5.376 N	103° 26' 17.790 W
17,830.0	88.50	173.30	10,462.0	-7,292.7	-684.9	486,603.65	817,796.85	32° 20' 4.451 N	103° 26' 17.681 W
17,926.0	88.90	173.40	10,464.2	-7,388.1	-673.7	486,508.32	817,807.96	32° 20' 3.507 N	103° 26' 17.561 W
18,020.0	88.40	173.40	10,466.4	-7,481.4	-662.9	486,414.97	817,818.76	32° 20' 2.583 N	103° 26' 17.444 W
18,075.2	87.79	173.55	10,468.2	-7,536.2	-656.7	486,360.16	817,825.03	32° 20' 2.040 N	103° 26' 17.376 W
100' HL Crossed @ 18075.2'MD / 10468.2' TVD									
18,092.0	87.60	173.60	10,468.9	-7,552.9	-654.8	486,343.48	817,826.91	32° 20' 1.875 N	103° 26' 17.356 W
18,157.0	87.60	173.60	10,471.6	-7,617.5	-647.6	486,278.94	817,834.15	32° 20' 1.235 N	103° 26' 17.278 W
TD @ 18157.0' MD / 10471.6' TVD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
135.0	135.0	0.7	0.4	First MWD Survey @ 135.0' MD / 135.0' TVD
10,229.7	10,155.9	194.1	-695.2	100' HL Crossed @ 10229.7'MD / 10155.9' TVD
18,075.2	10,468.2	-7,536.2	-656.7	100' HL Crossed @ 18075.2'MD / 10468.2' TVD
18,157.0	10,471.6	-7,617.5	-647.6	TD @ 18157.0' MD / 10471.6' TVD

Checked By: _____ Approved By: _____ Date: _____

QES
13000 West Hwy 80 East
Odessa, Texas 79765
Office:(432)-563-0200

North Ridge 8040 Fed Com #3H

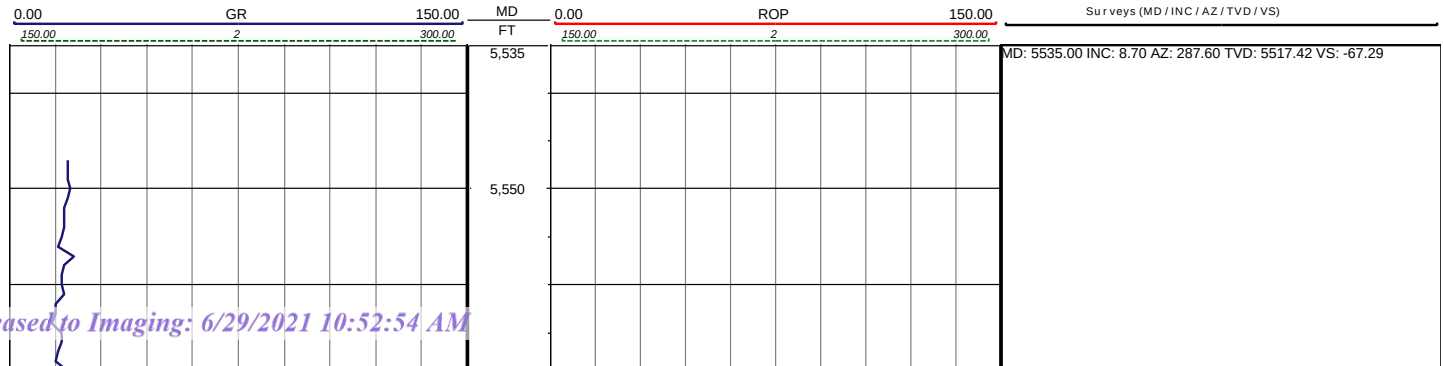
Scale 5":100' - MD

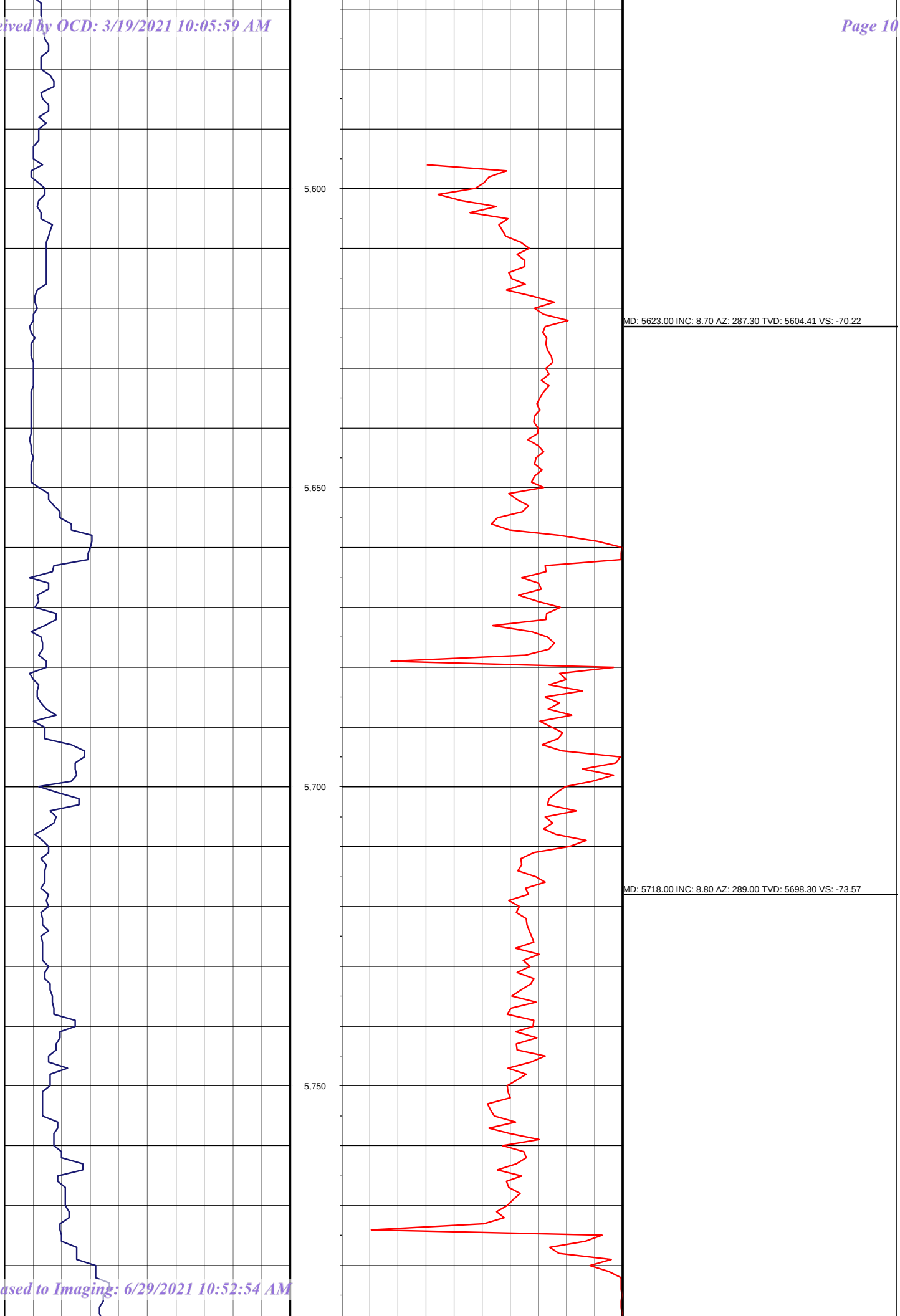
8/17/2020 8:19 PM

Oper. Company:	BTA Oil	**State:**	NM
Well:	North Ridge 8040 Fed Com 3H	**County:**	Lea
Field:	Bonesprings	**Country:**	USA
Rig:	Patterson 288	**Location:**	Lea Co.
Well ID:	30-025-46959	**Start Date:**	8/6/2020
Job Number:	WT-200660	**EndDate:**	08/17/2020
Latitude:	32 21' 16.554N	**Elev GL:**	3407'
Longitude:	103 26' 8.987W	**Elev DF:**	3432'
Site Name:	LeaCounty, New Mexico	**Elev KB:**	3432'
Day Hand:	Bradley Reed	**Night Hand:**	Jeff Leschuck

Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	527 Deteq	C505 TITAN	698DETEQ		
Bit Size	8 3/4	8 3/4	8 3/4		
Cal Factor	3.50	3.50	3.50		
Survey Offset	57.00	65.00	65.00		
Gamma Offset	48.00	56.00	56.00		
Resisitivity Offset	0.00	0.00	0.00		
Start Depth	5595.00	9920.00	17168.00		
StartDate	8/6/2020	8/9/2020	8/15/2020		
StartTime	09:20	03:00	22:30		
EndDepth	9920.00	17168.00	18157.00		
EndDate	8/9/2020	8/15/2020	8/17/2020		
EndTime	02:30	21:30	20:00		
Mud Type	BRINE	BRINE	BRINE		
Mud Weight	9.3	9.1	9.1		
Funnel Viscosity	26	29	29		
Temperature	141	170	175		

Hole Data			Casing Data		
Size	From	To	Size	From	To
12 1/4	1800.00	5592.00	9 5/8	0.00	5592.00
8 3/4	5592.00	18157.00			

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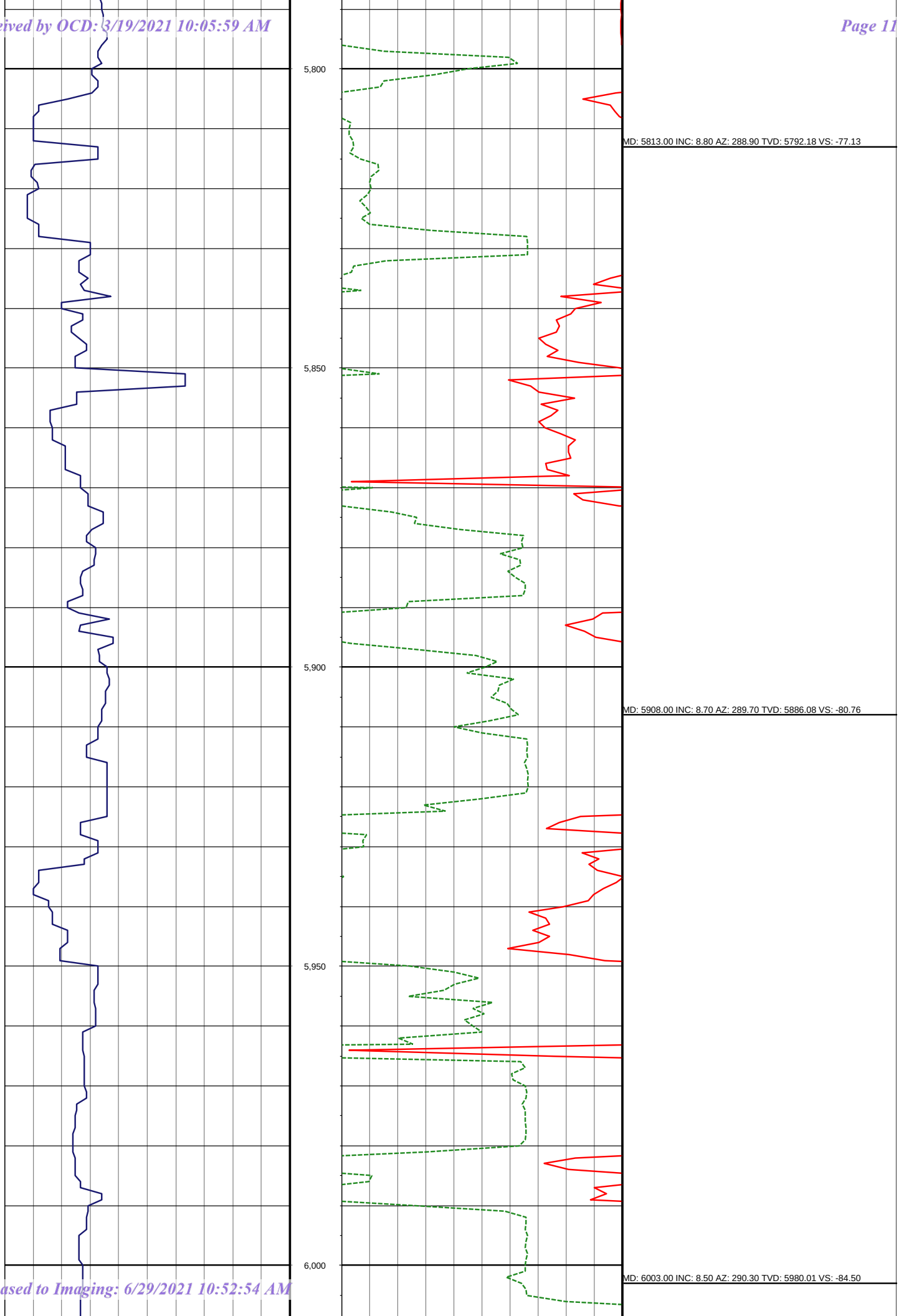
MD: 5718.00 INC: 8.80 AZ: 289.00 TVD: 5698.30 VS: -73.57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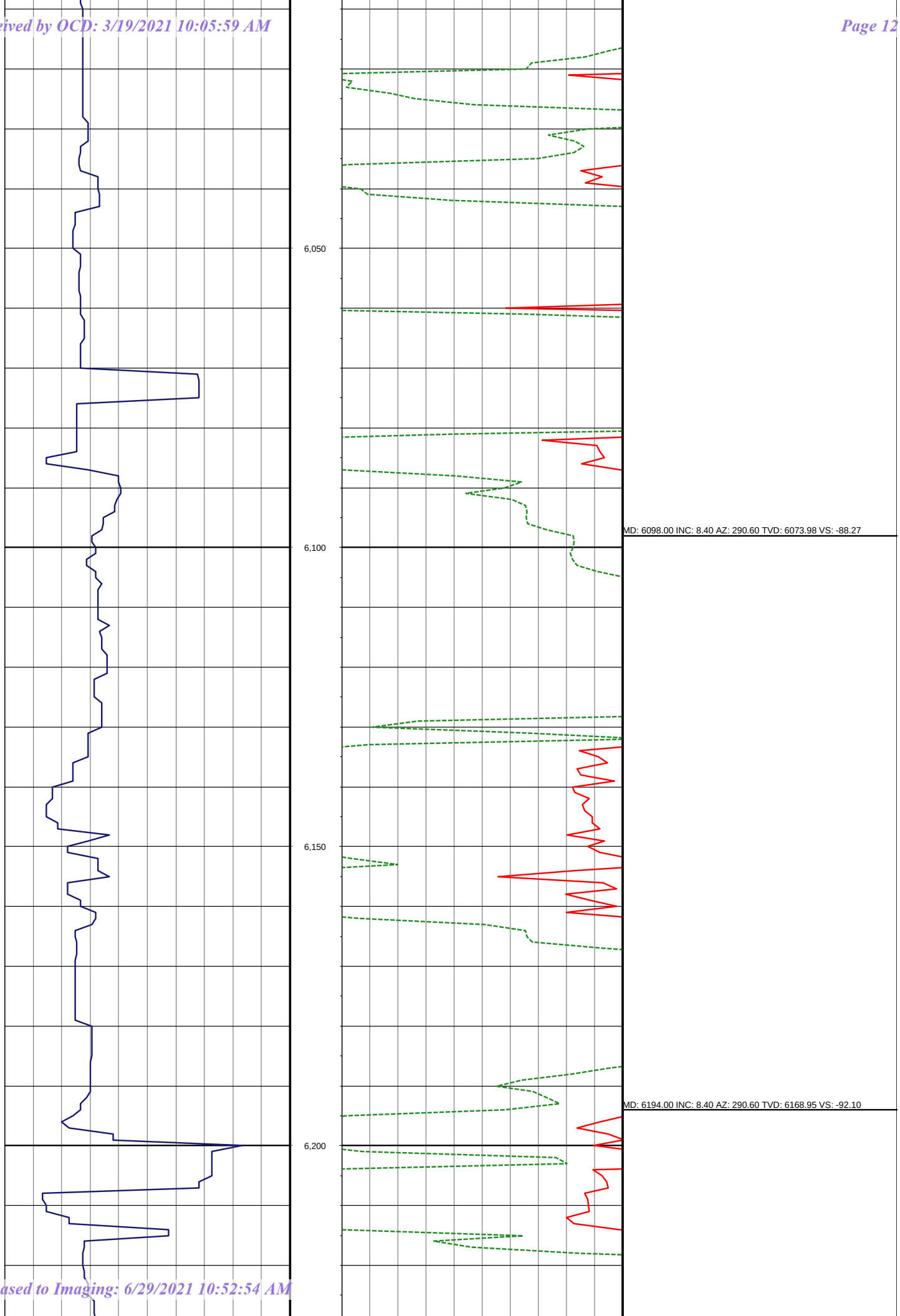
5,850
5,900
5,950
6,000
MD: 5813.00 INC: 8.80 AZ: 288.90 TVD: 5792.18 VS: -77.13
MD: 5908.00 INC: 8.70 AZ: 289.70 TVD: 5886.08 VS: -80.76
MD: 6003.00 INC: 8.50 AZ: 290.30 TVD: 5980.01 VS: -84.50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6,100
6,150
6,200
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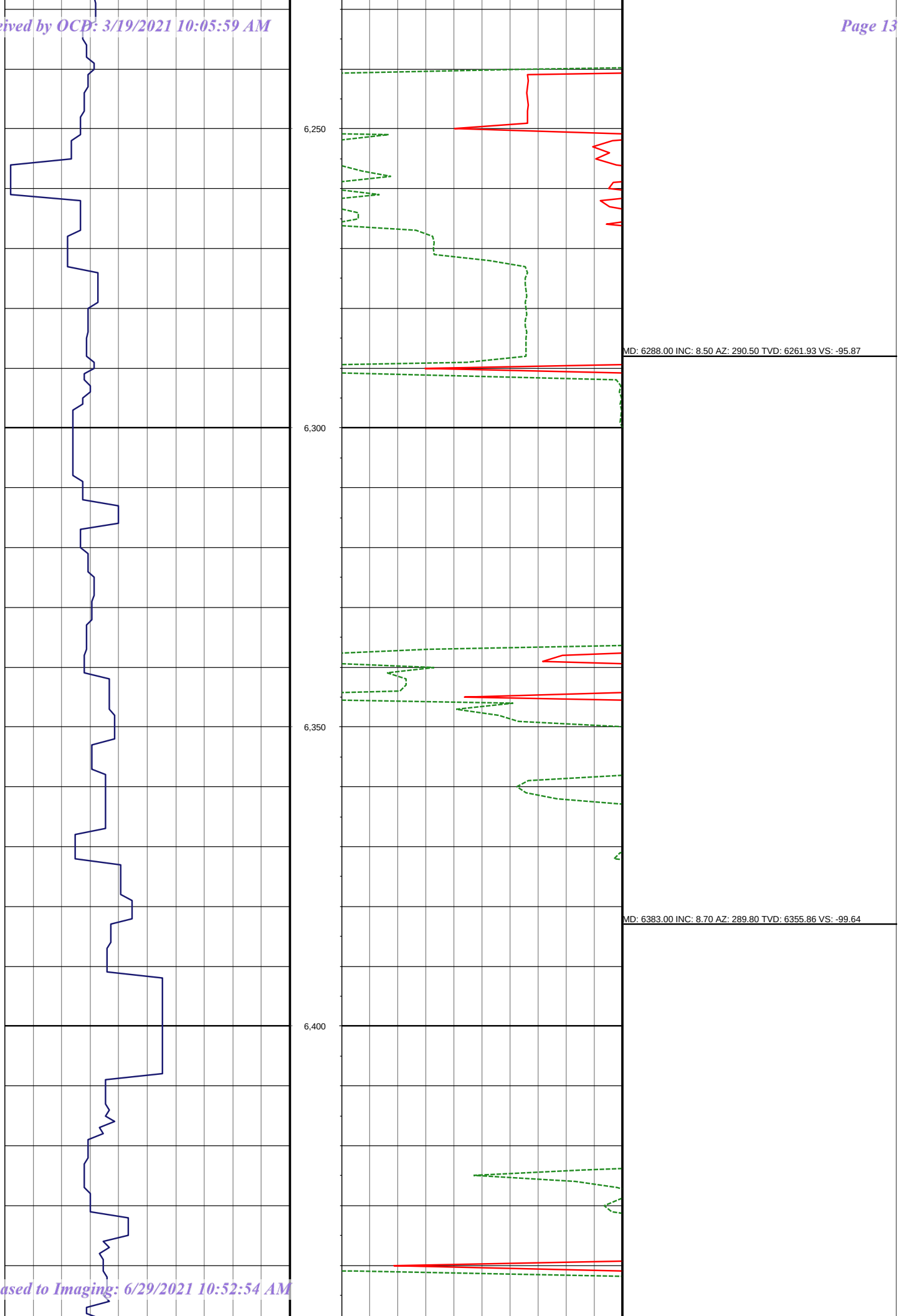
MD: 6194.00 INC: 8.40 AZ: 290.60 TVD: 6168.95 VS: -92.10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6,300
6,350
6,400
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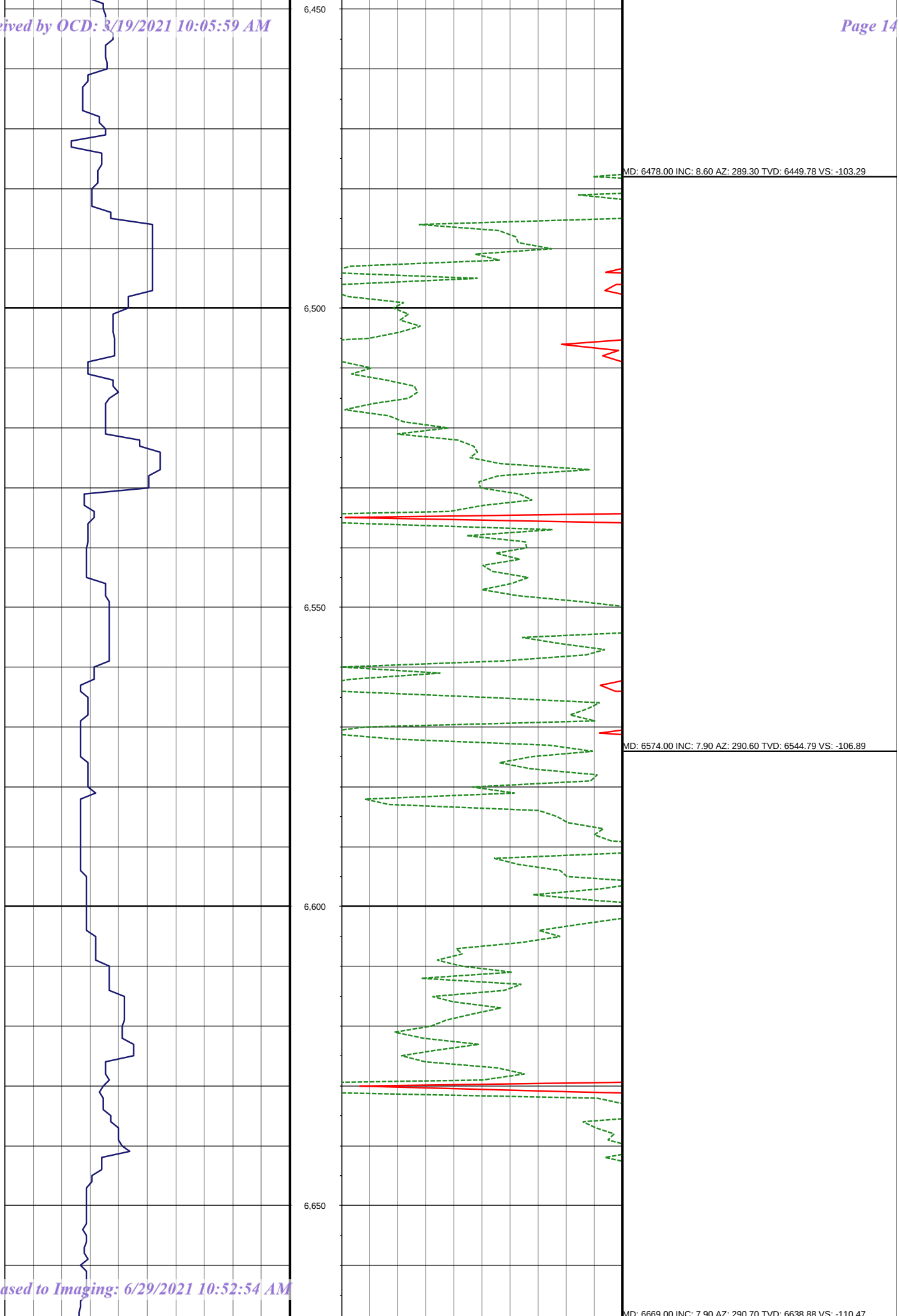
MD: 6383.00 INC: 8.70 AZ: 289.80 TVD: 6355.86 VS: -99.64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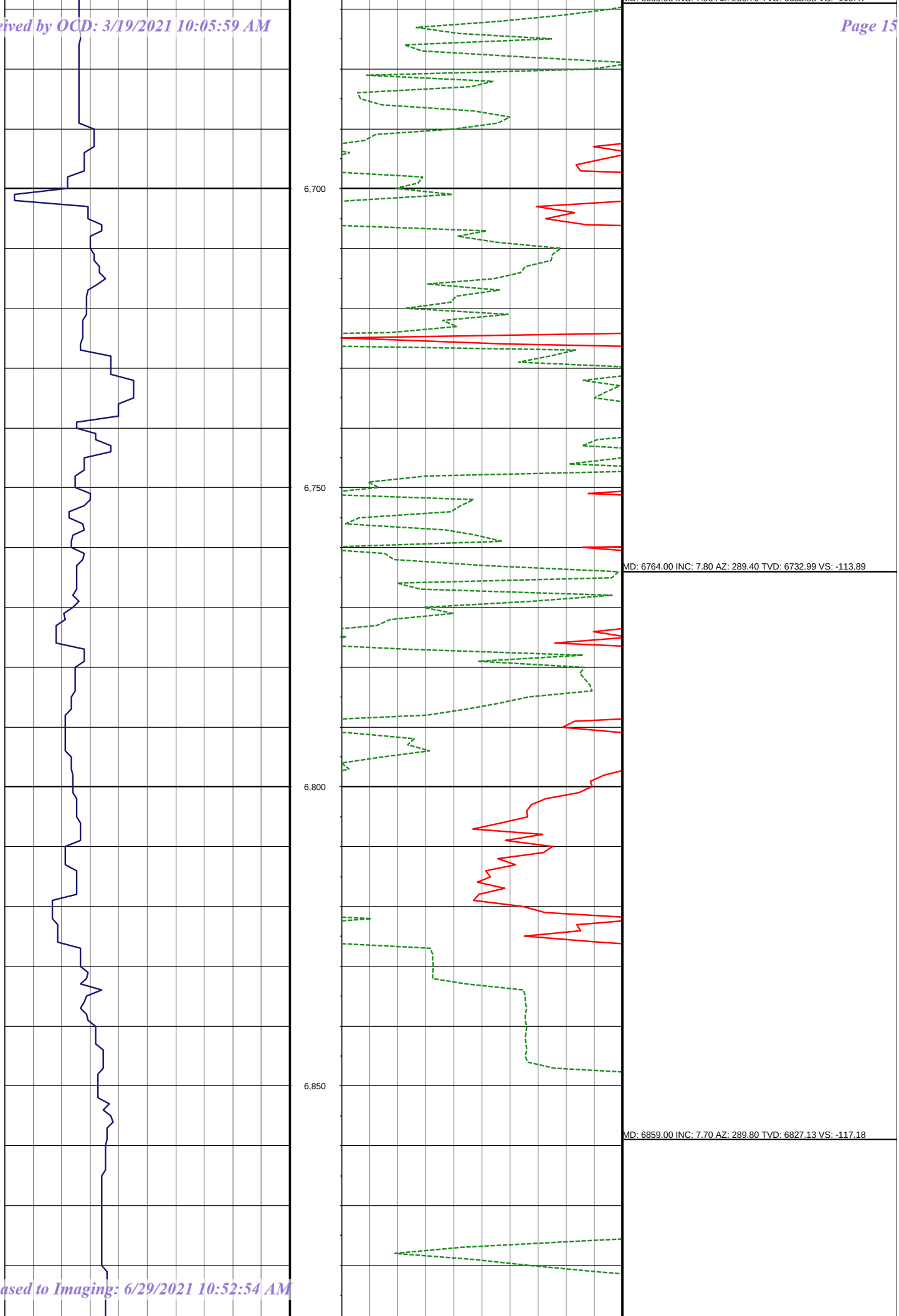
6,500
6,550
6,600
6,650
MD: 6478.00 INC: 8.60 AZ: 289.30 TVD: 6449.78 VS: -103.29
MD: 6574.00 INC: 7.90 AZ: 290.60 TVD: 6544.79 VS: -106.89
MD: 6669.00 INC: 7.90 AZ: 290.70 TVD: 6638.88 VS: -110.47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6,750
6,800
6,850
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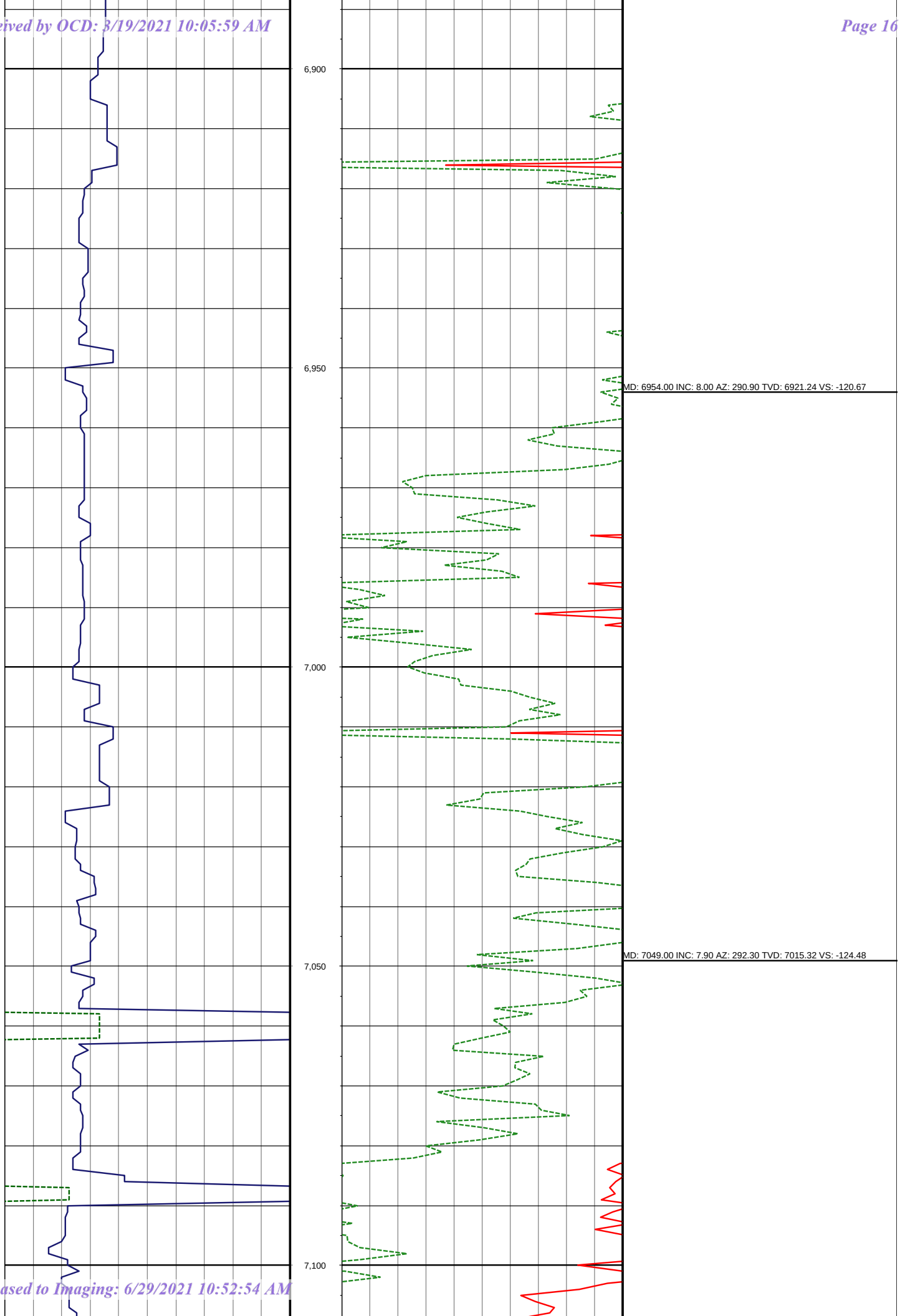
MD: 6859.00 INC: 7.70 AZ: 289.80 TVD: 6827.13 VS: -117.18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6,950
7,000
7,050
7,100
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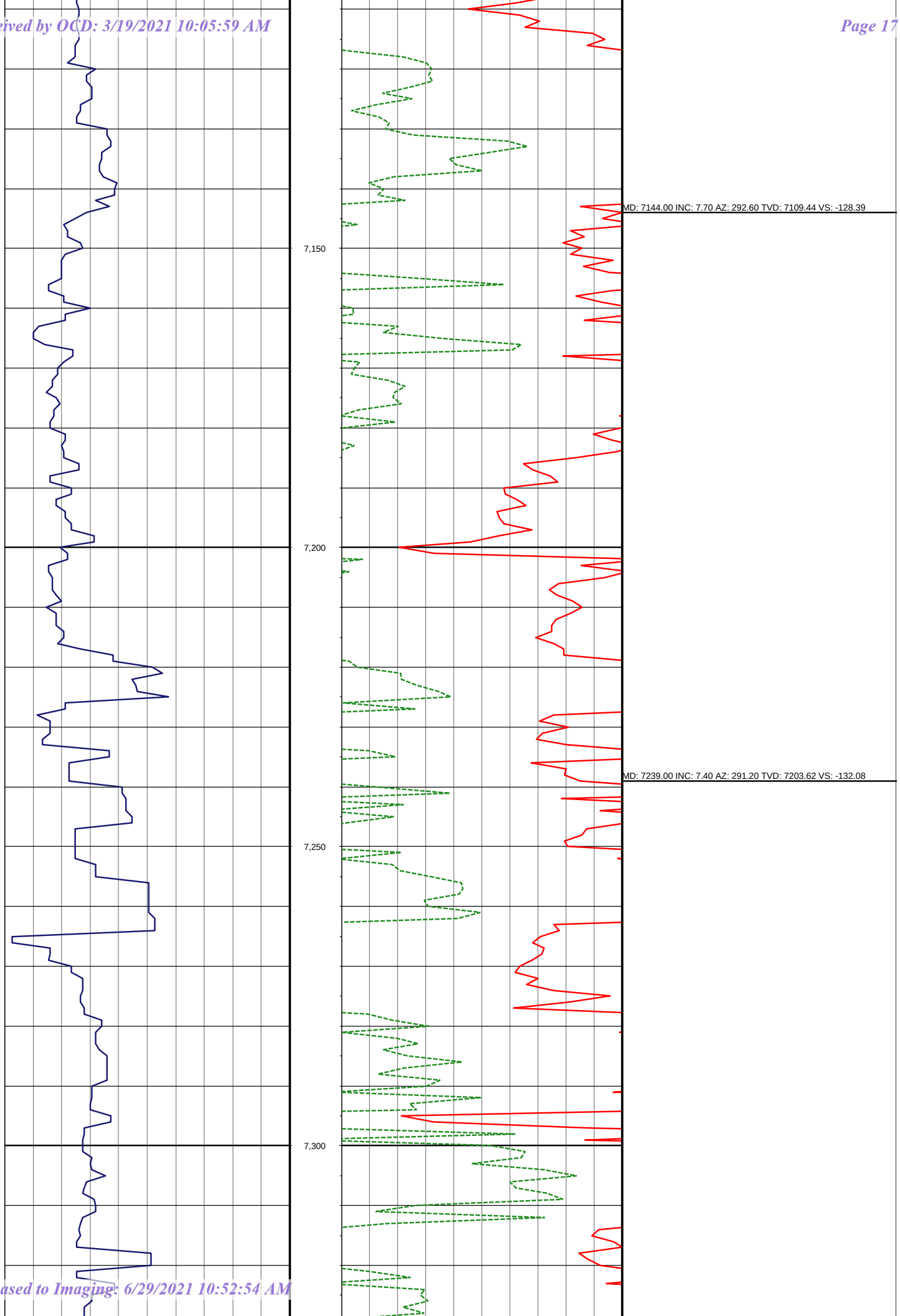
MD: 7049.00 INC: 7.90 AZ: 292.30 TVD: 7015.32 VS: -124.48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7,200
MD: 7239.00 INC: 7.40 AZ: 291.20 TVD: 7203.62 VS: -132.08
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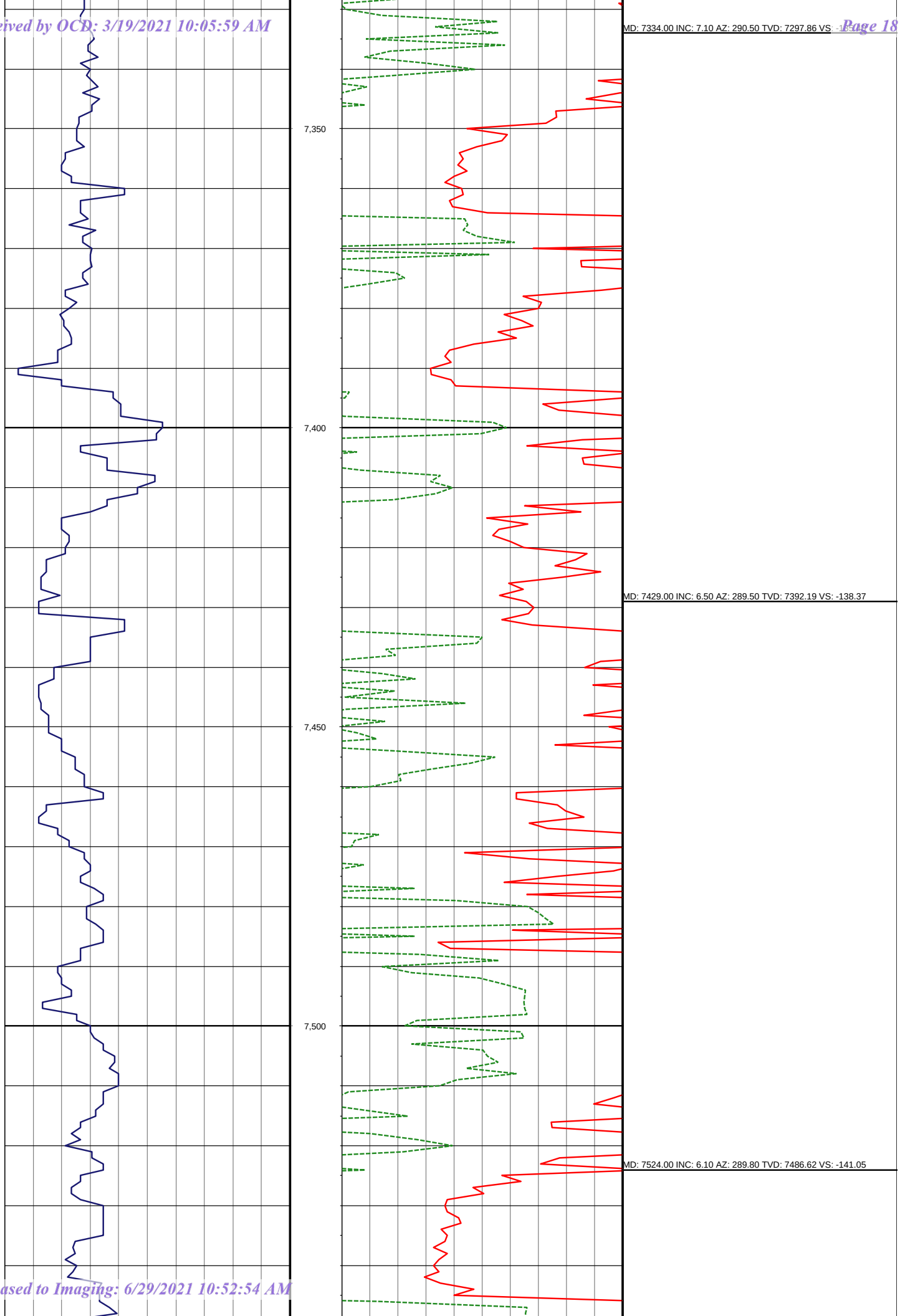
7,300


MD: 7334.00 INC: 7.10 AZ: 290.50 TVD: 7297.86 VS: -138.37
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7,400
MD: 7429.00 INC: 6.50 AZ: 289.50 TVD: 7392.19 VS: -138.37
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7,500
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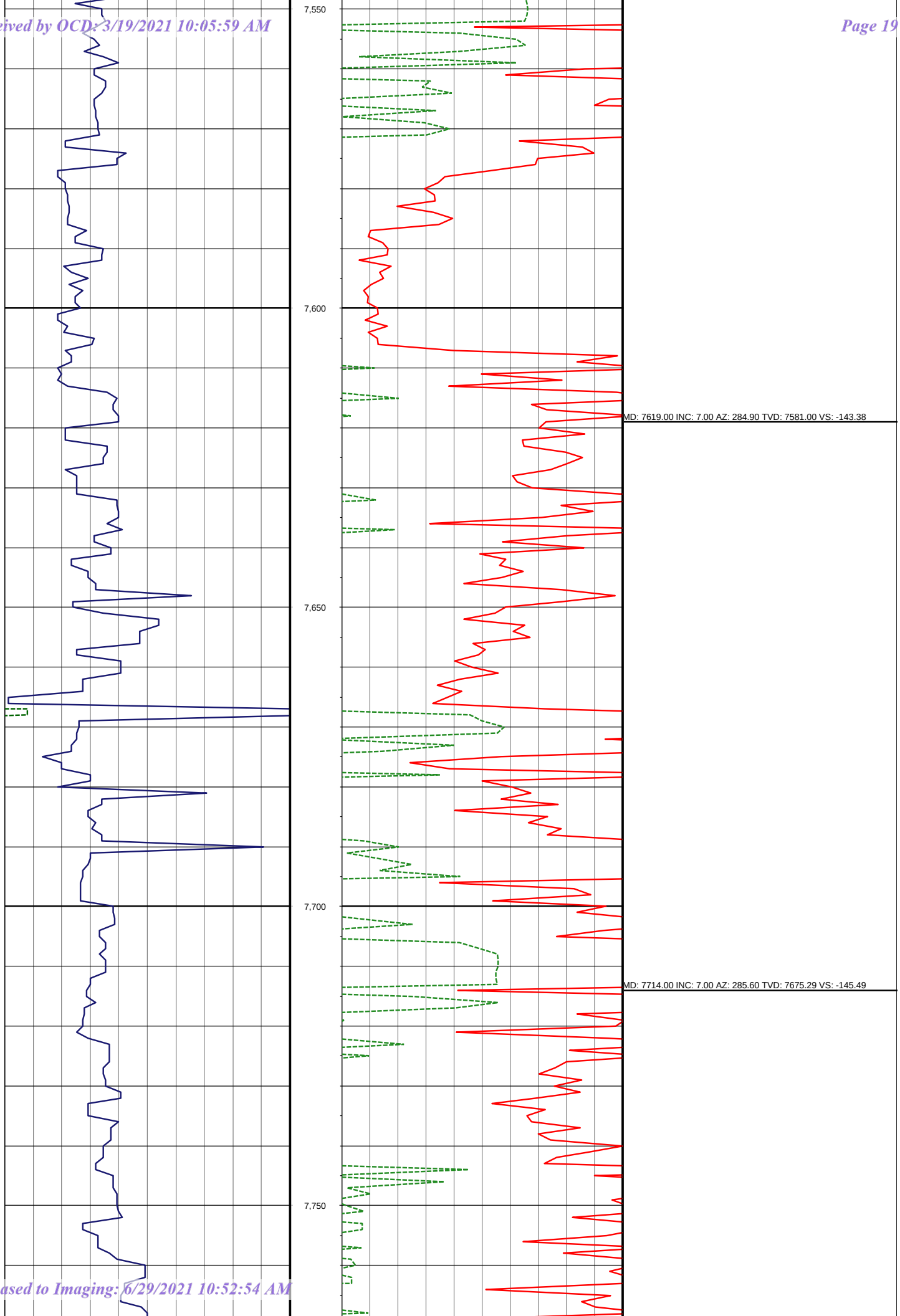
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7,600
7,650
7,700
7,750
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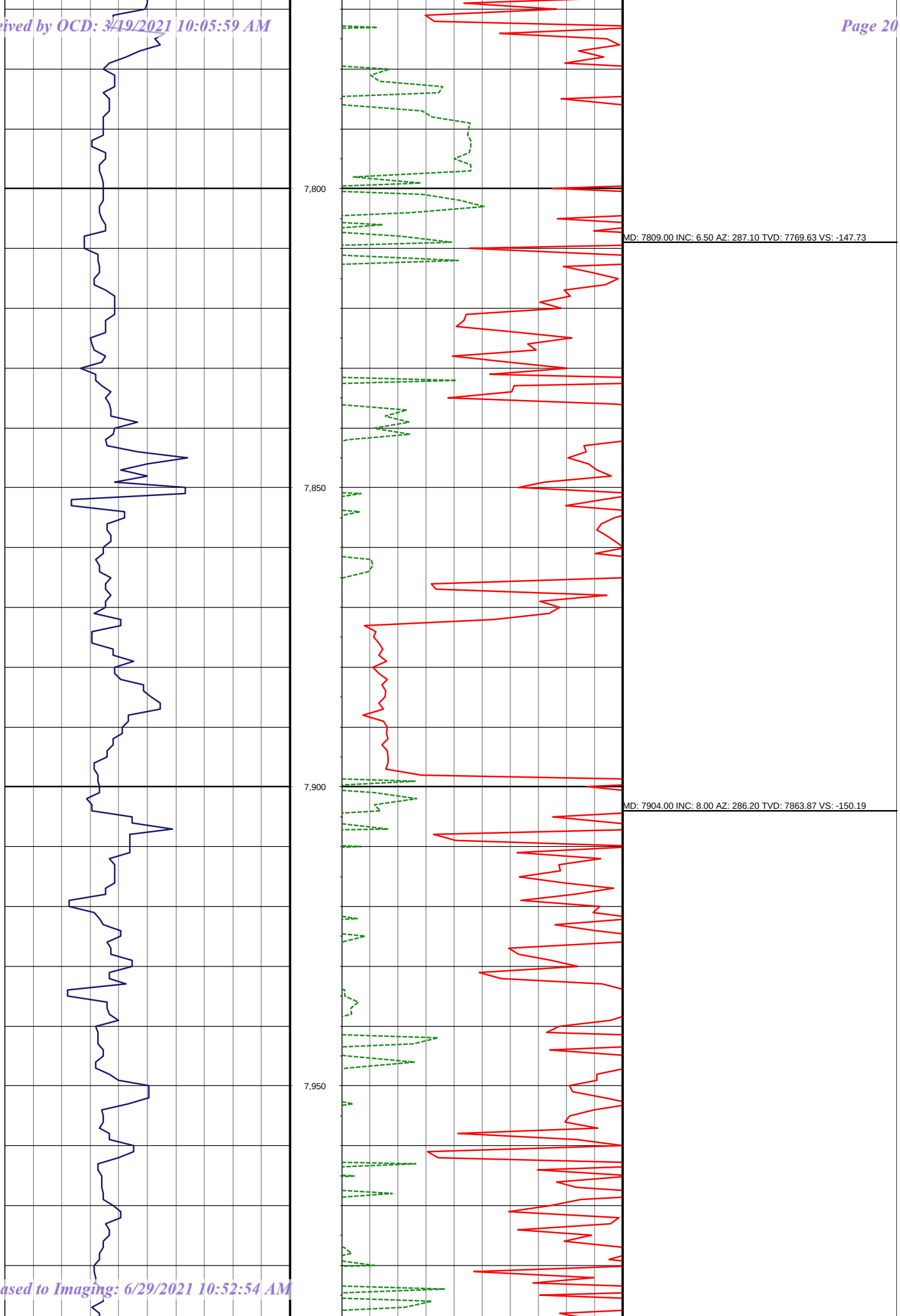
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7,850
7,900
7,950
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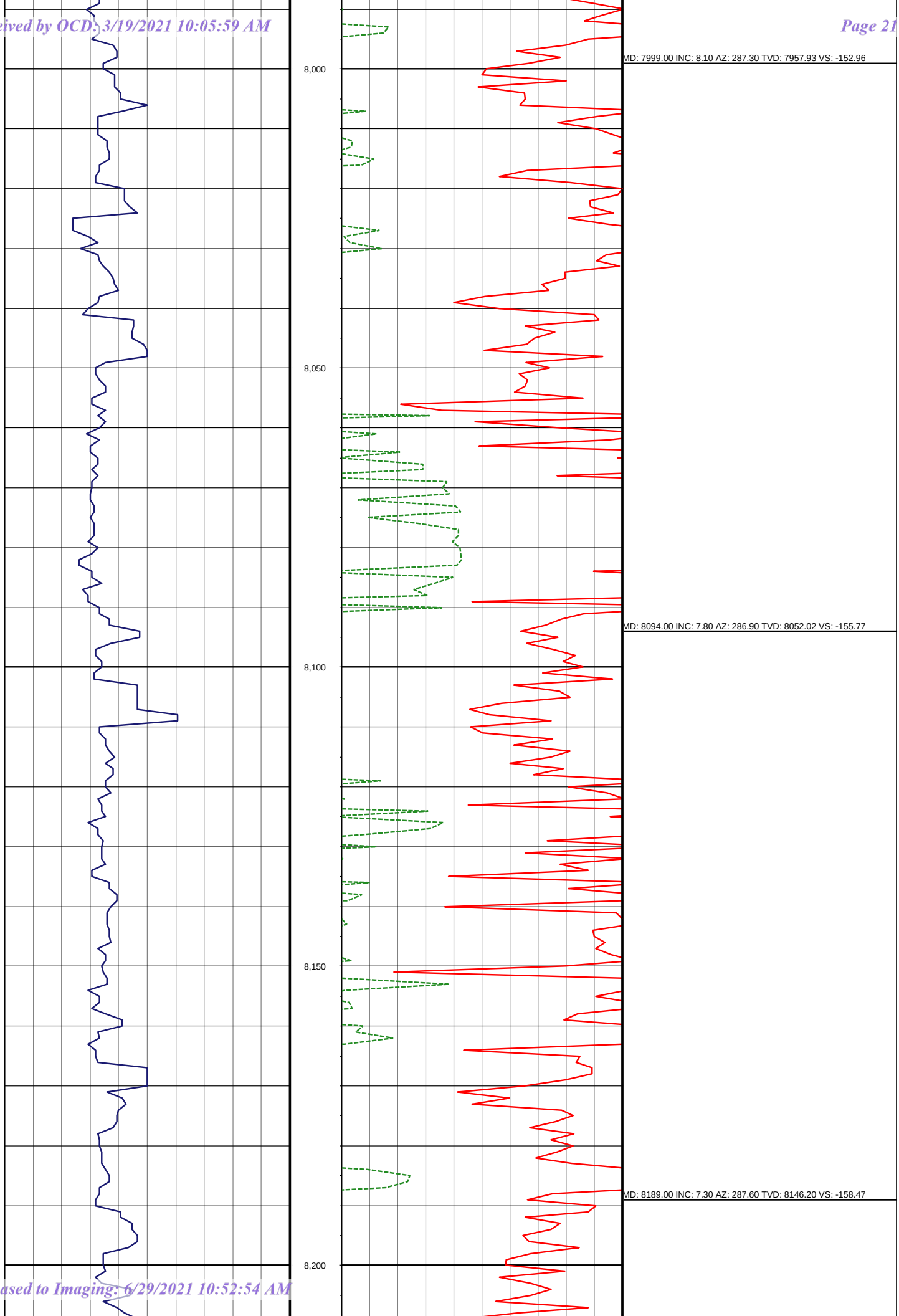
MD: 7904.00 INC: 8.00 AZ: 286.20 TVD: 7863.87 VS: -150.19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8,050
MD: 8094.00 INC: 7.80 AZ: 286.90 TVD: 8052.02 VS: -155.77
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8,150
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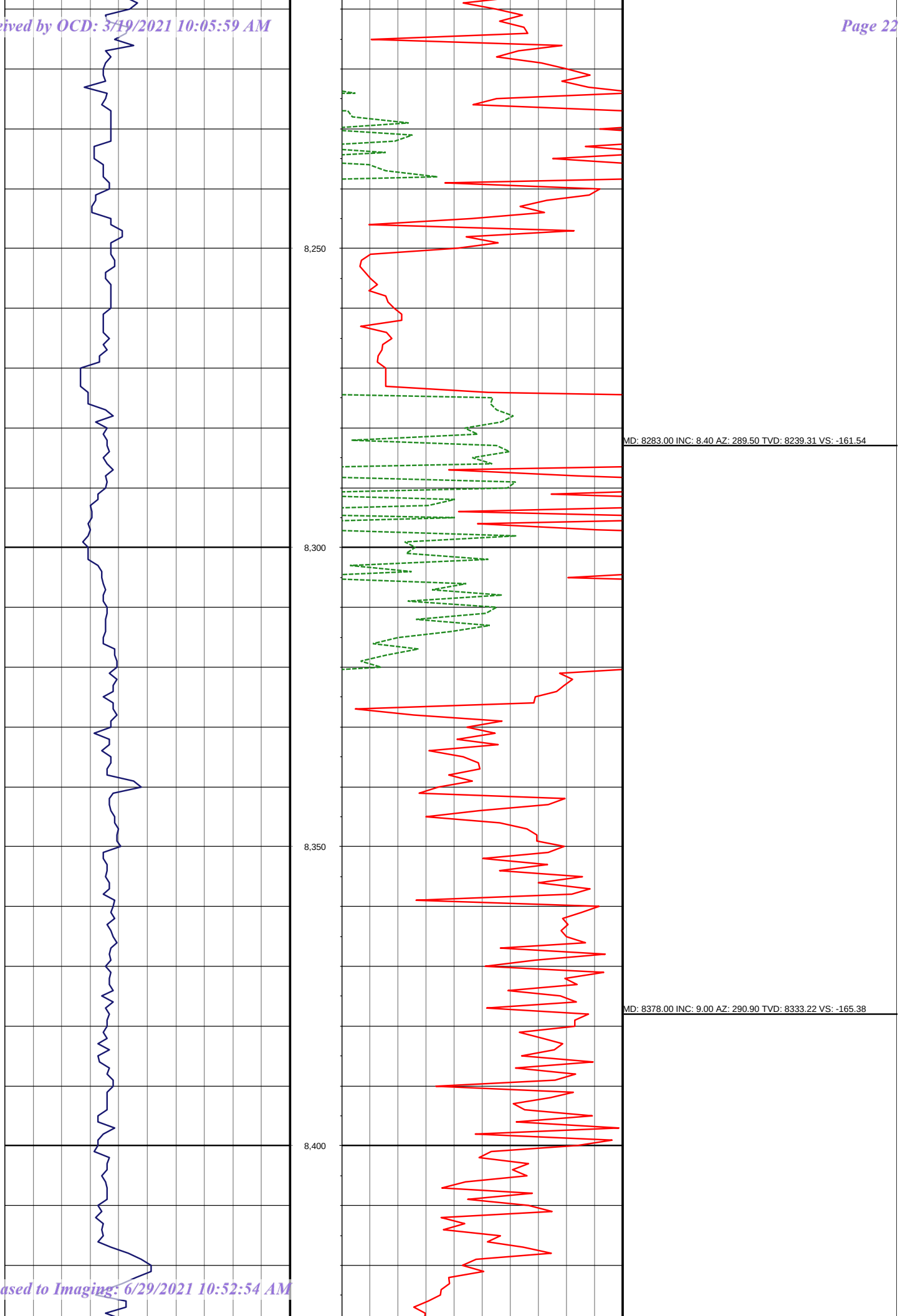
8,200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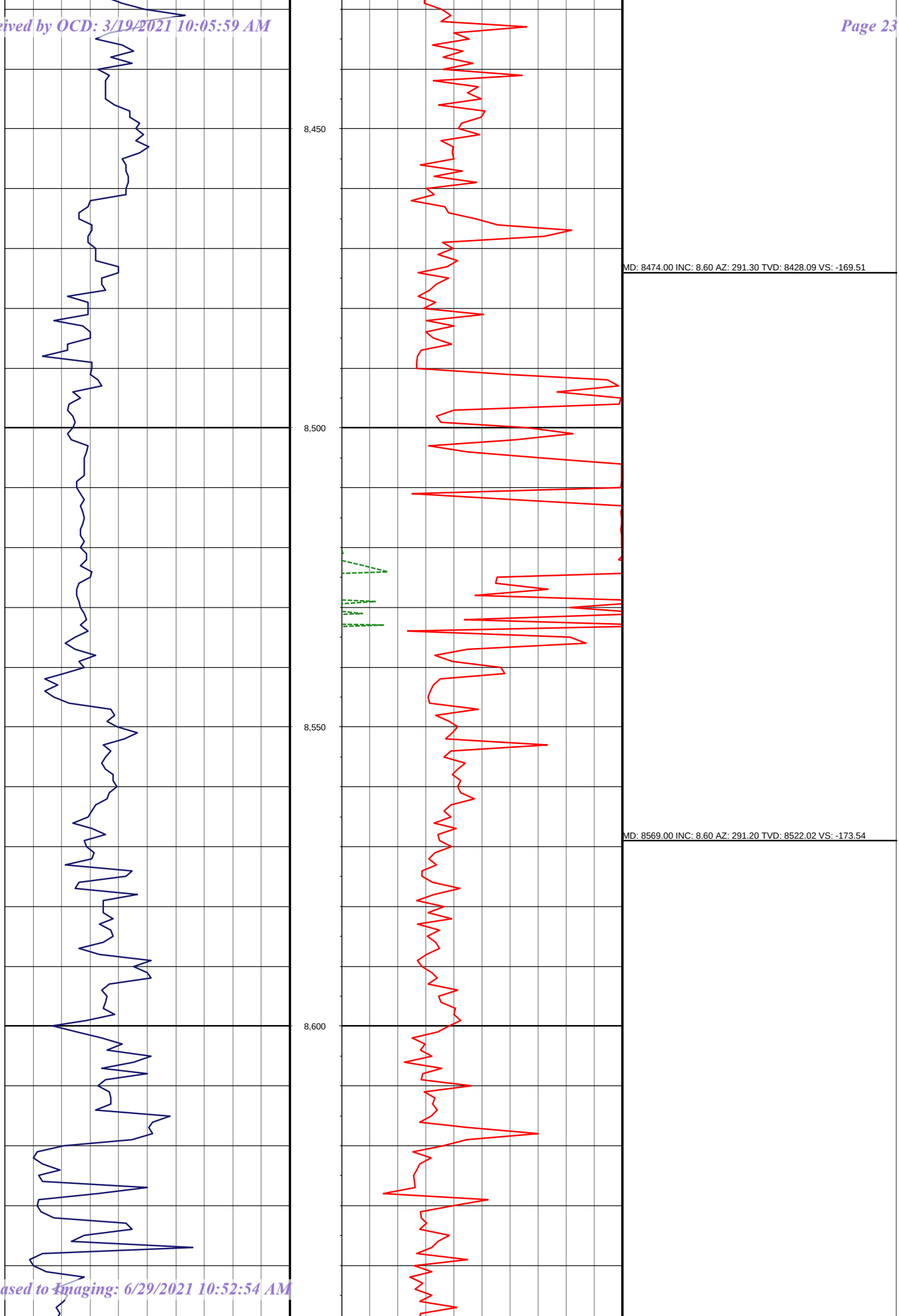
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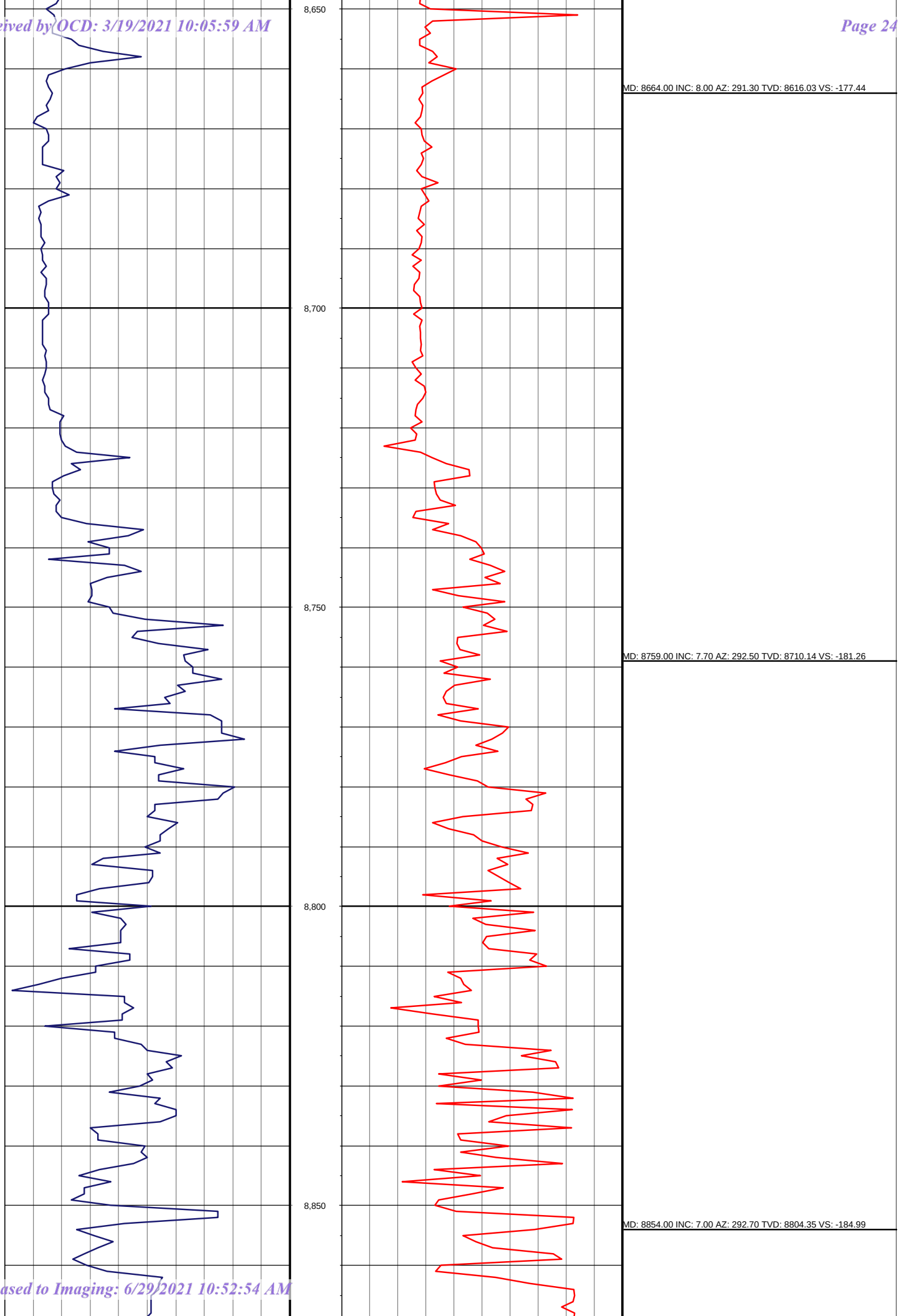
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8,750
8,800
8,850
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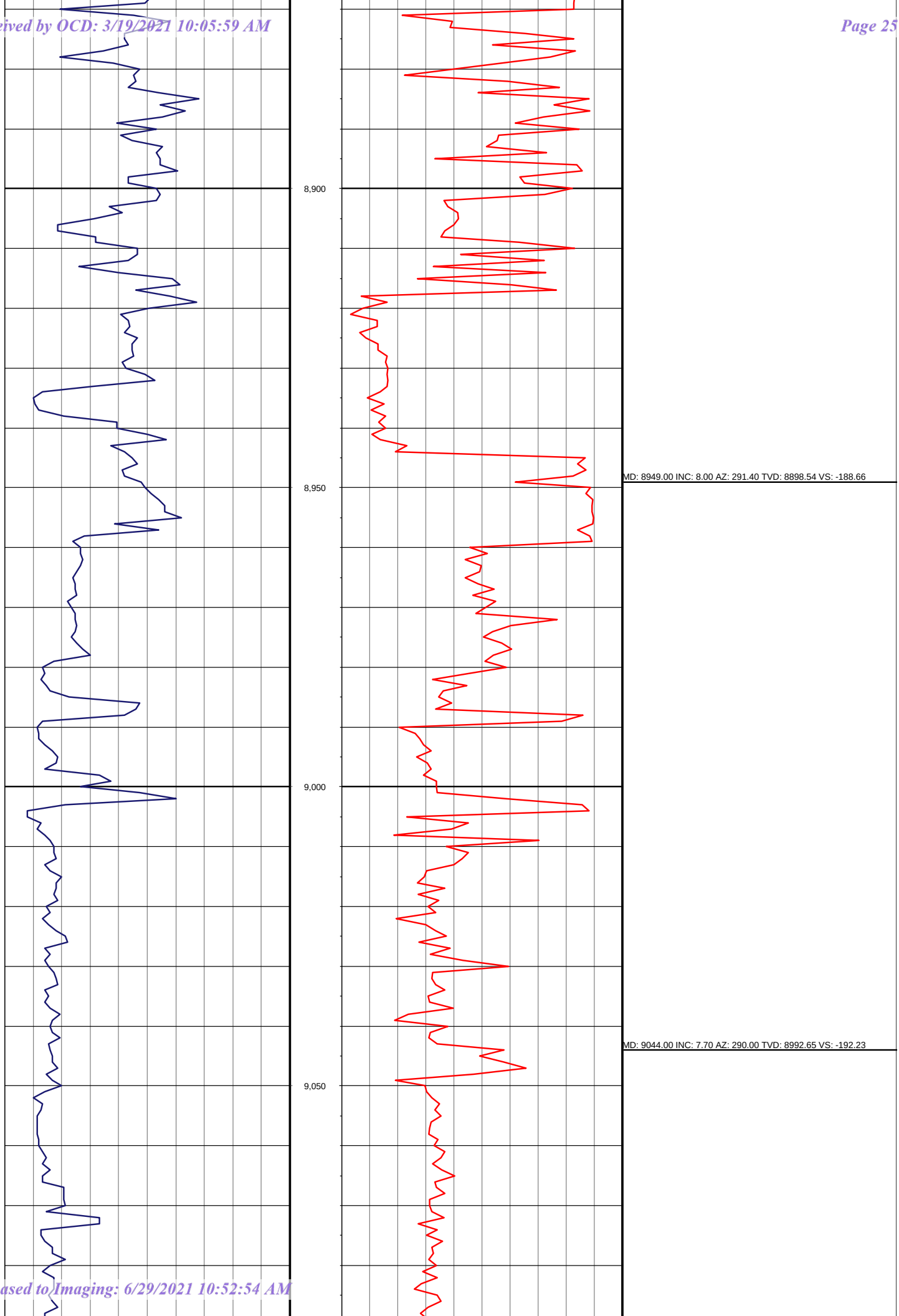
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9,000
9,050
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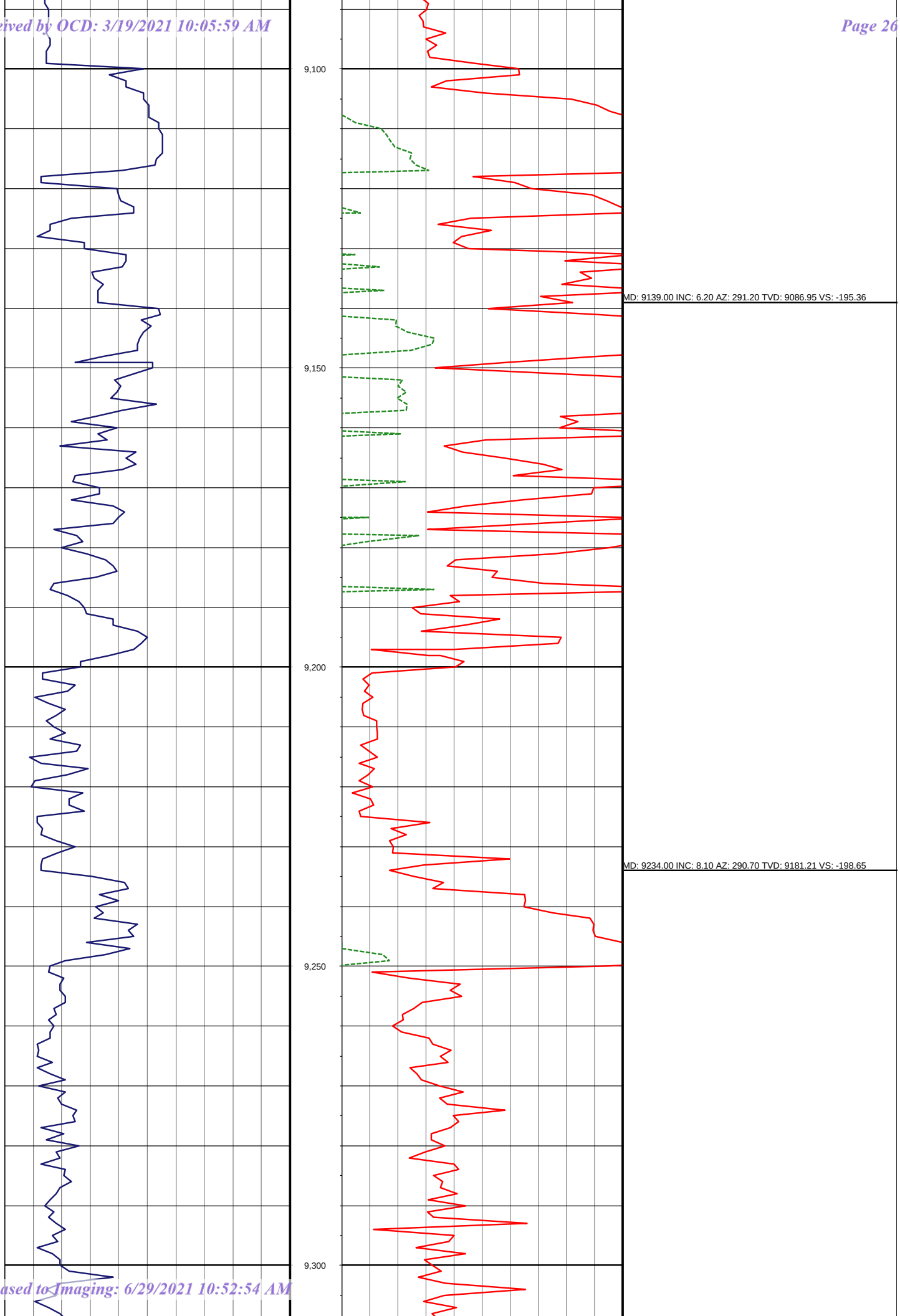
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9,250
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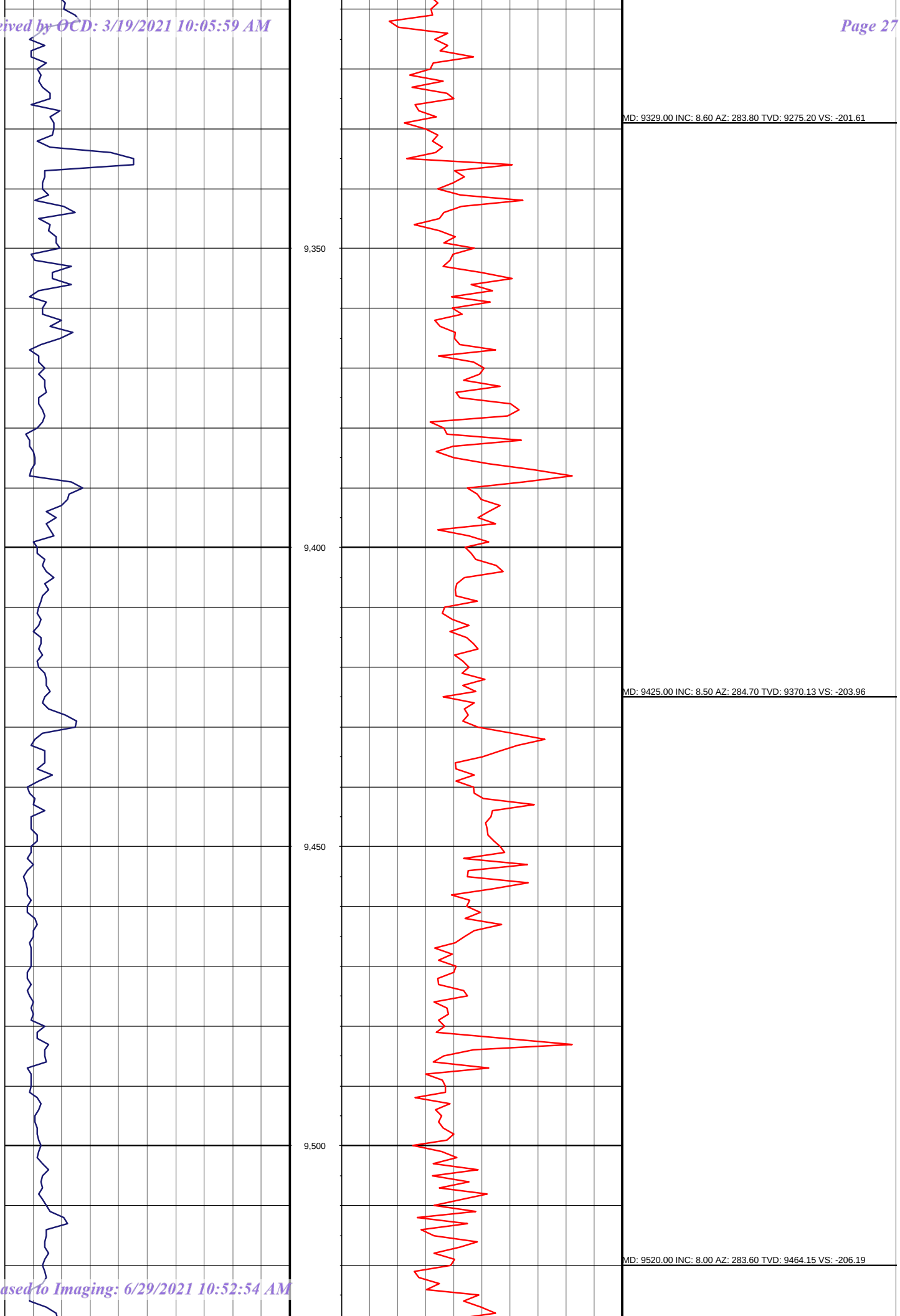
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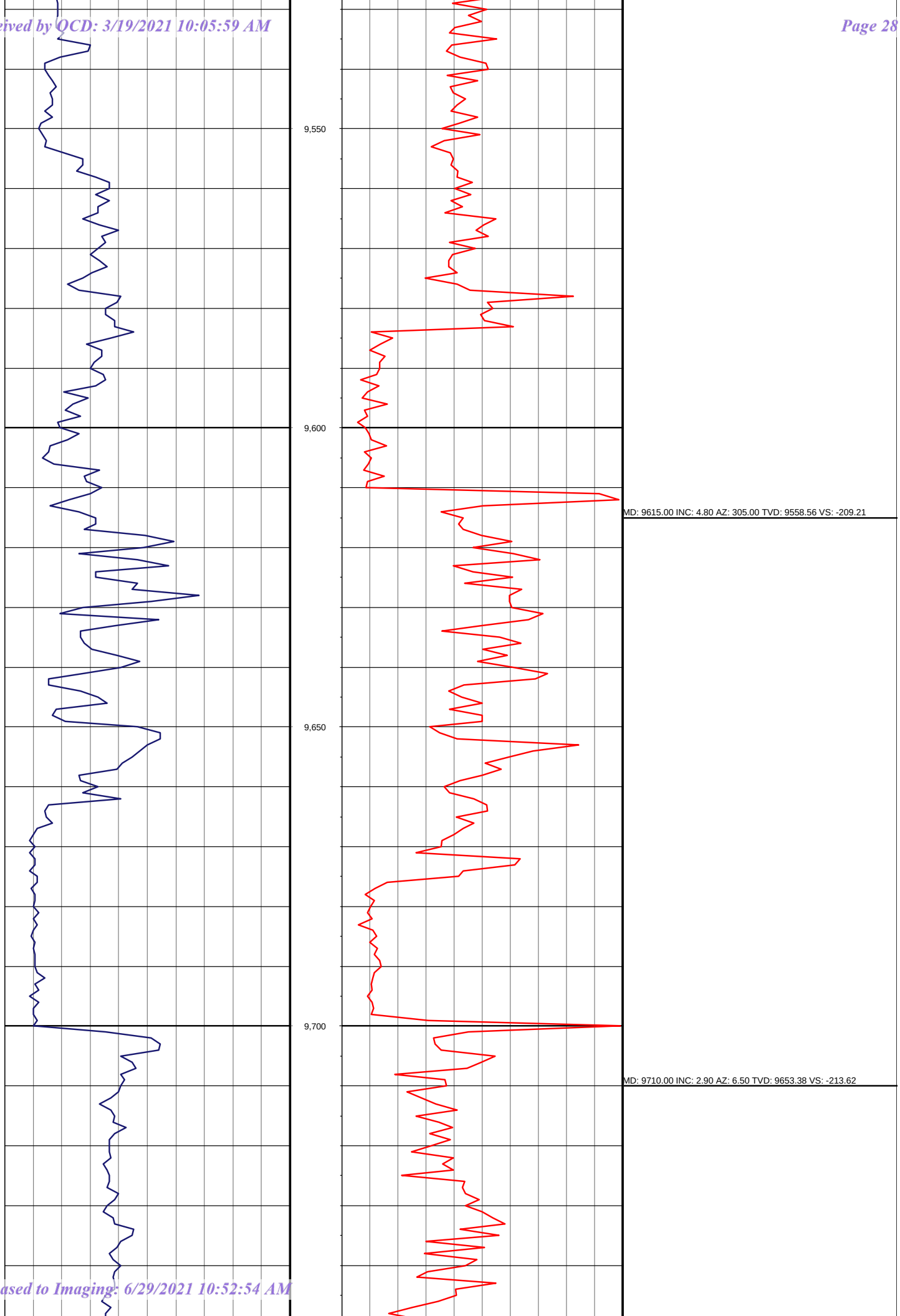
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9,700
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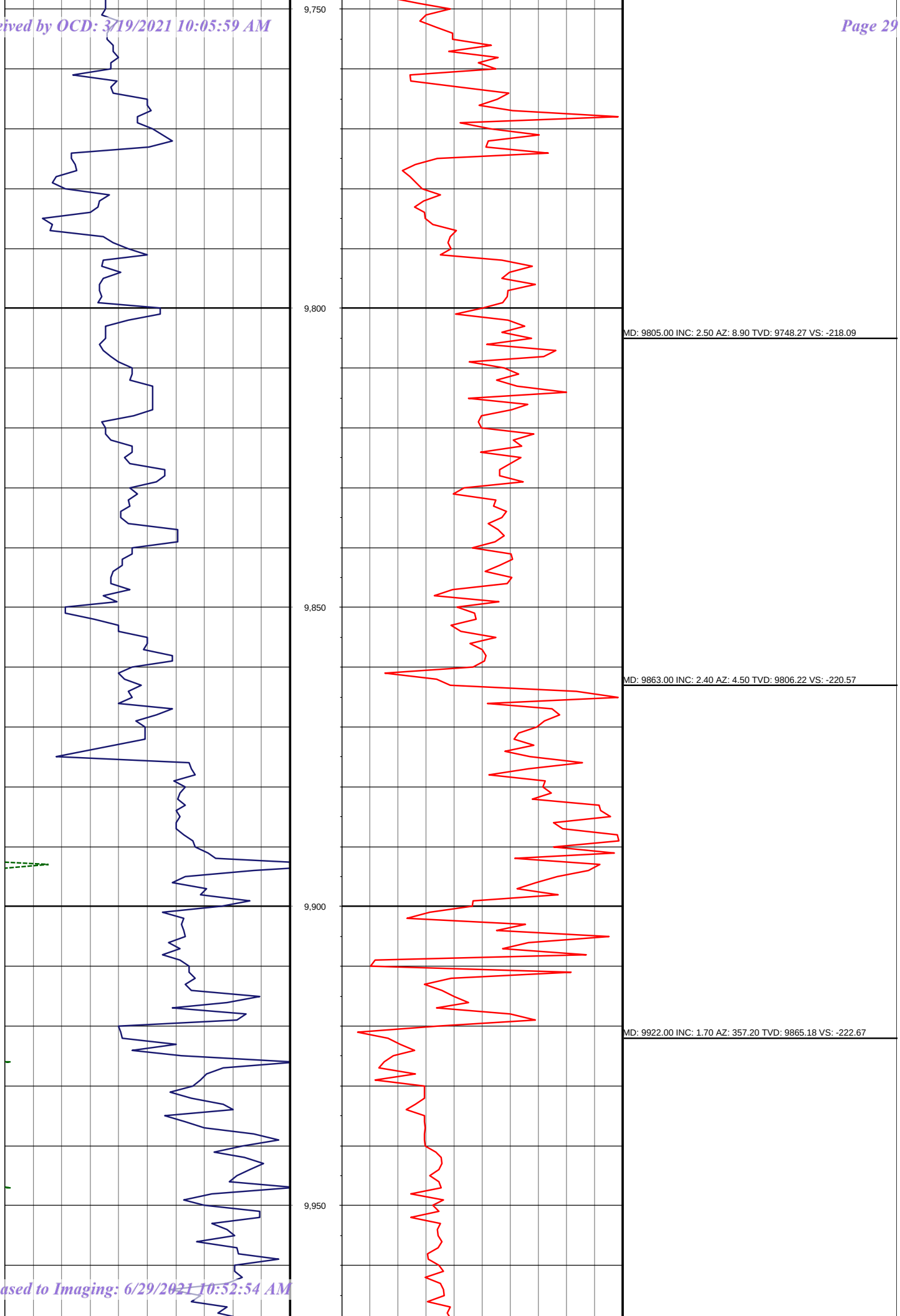
MD: 9710.00 INC: 2.90 AZ: 6.50 TVD: 9653.38 VS: -213.62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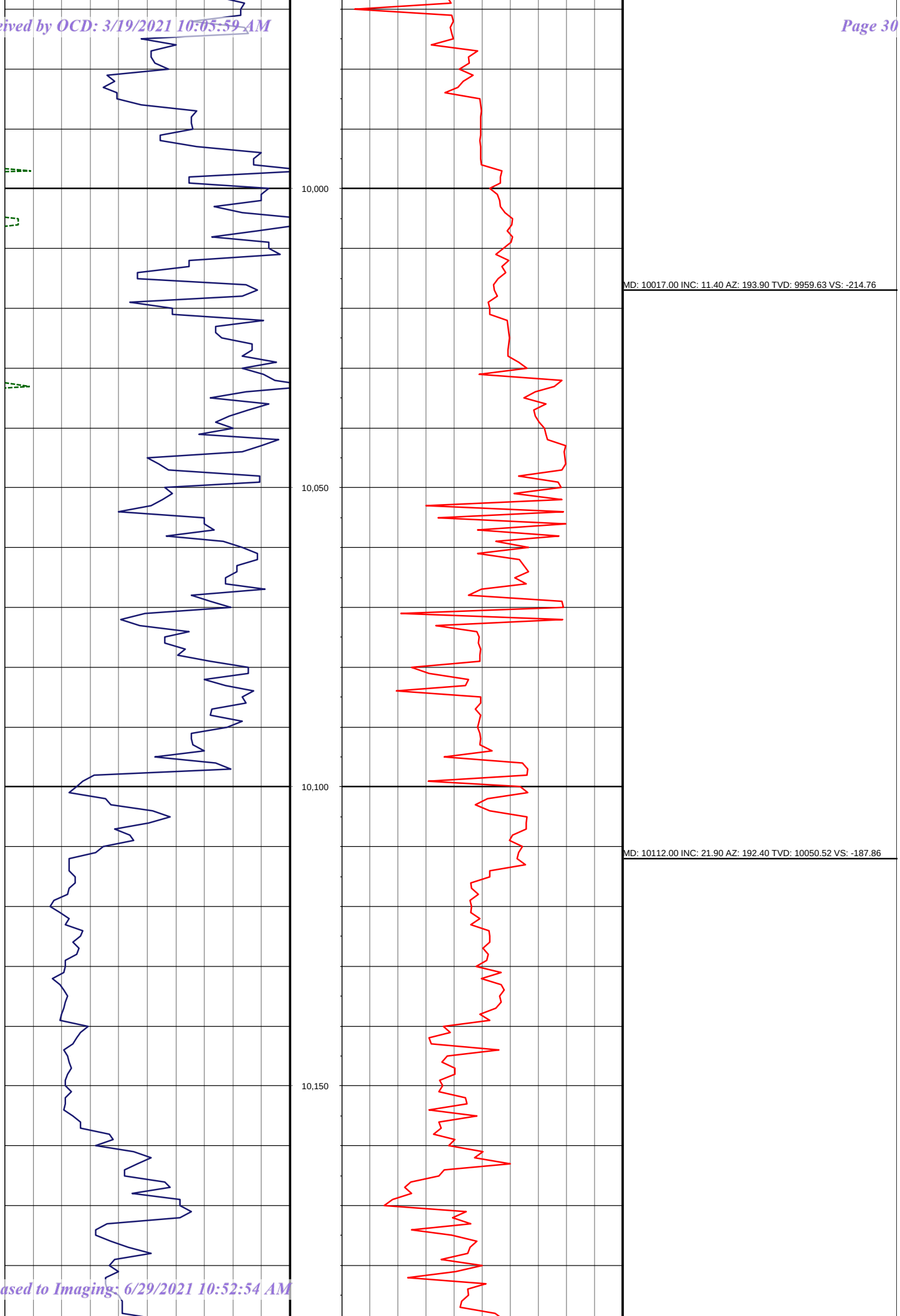
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10,050
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10,150
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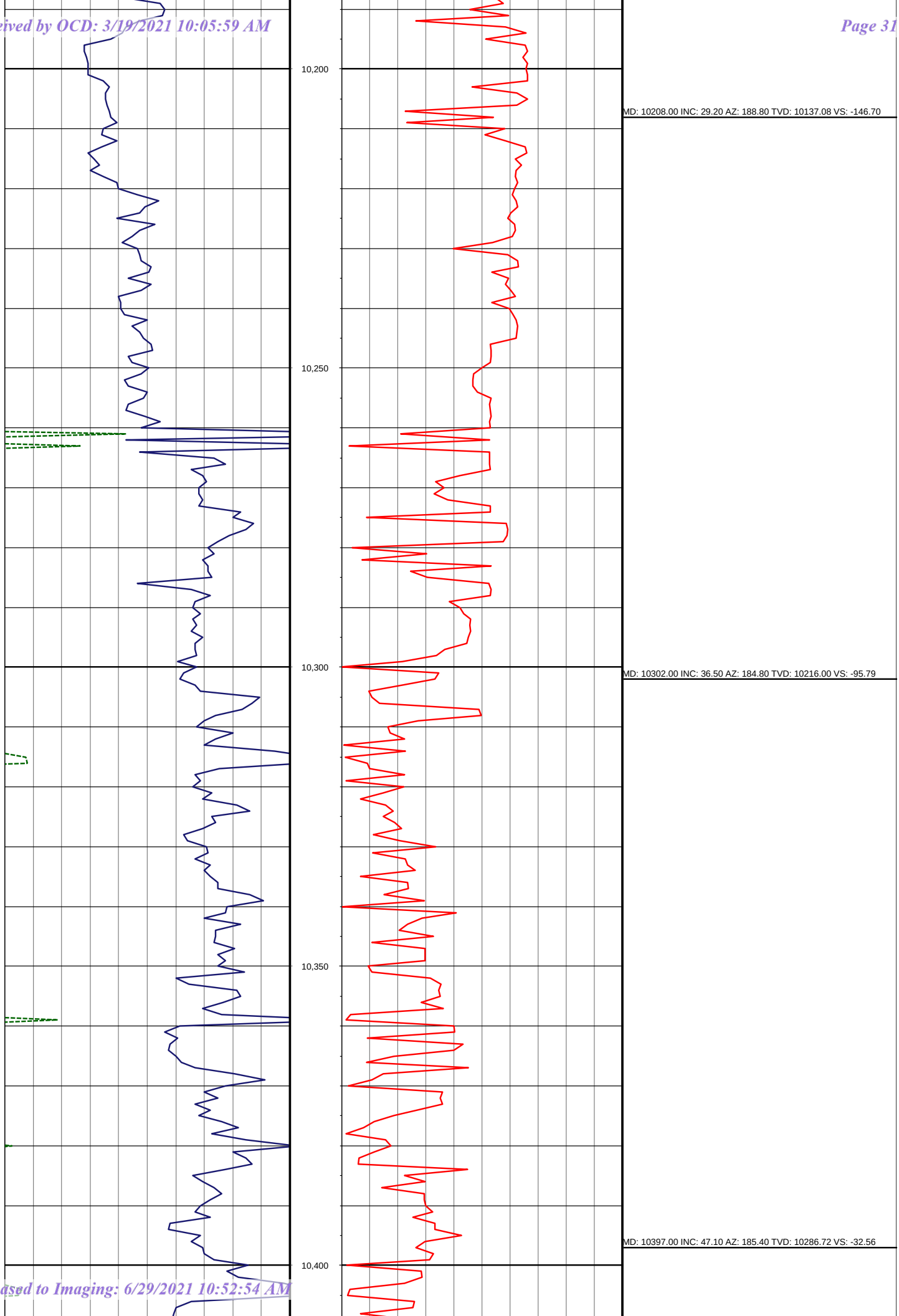

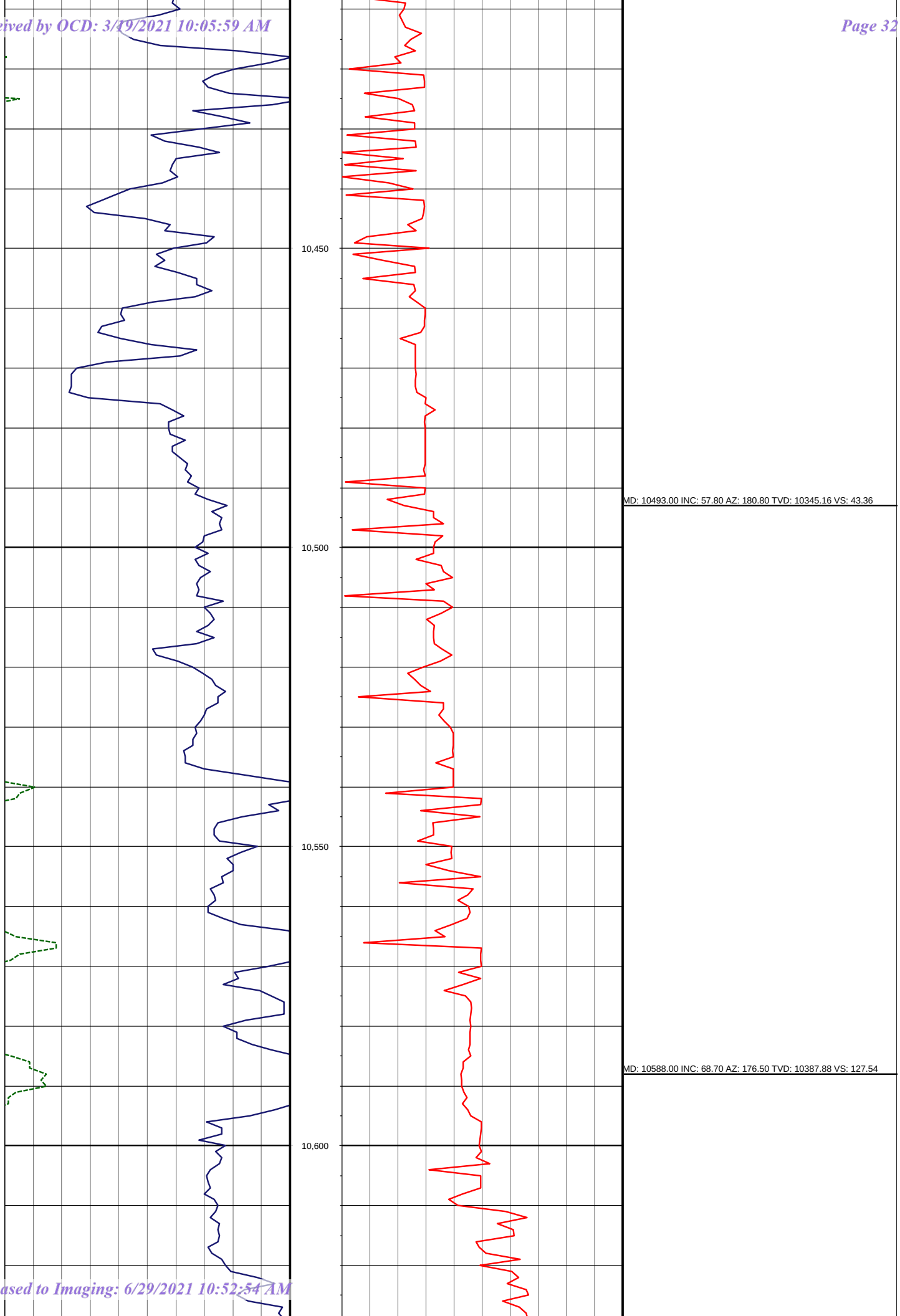
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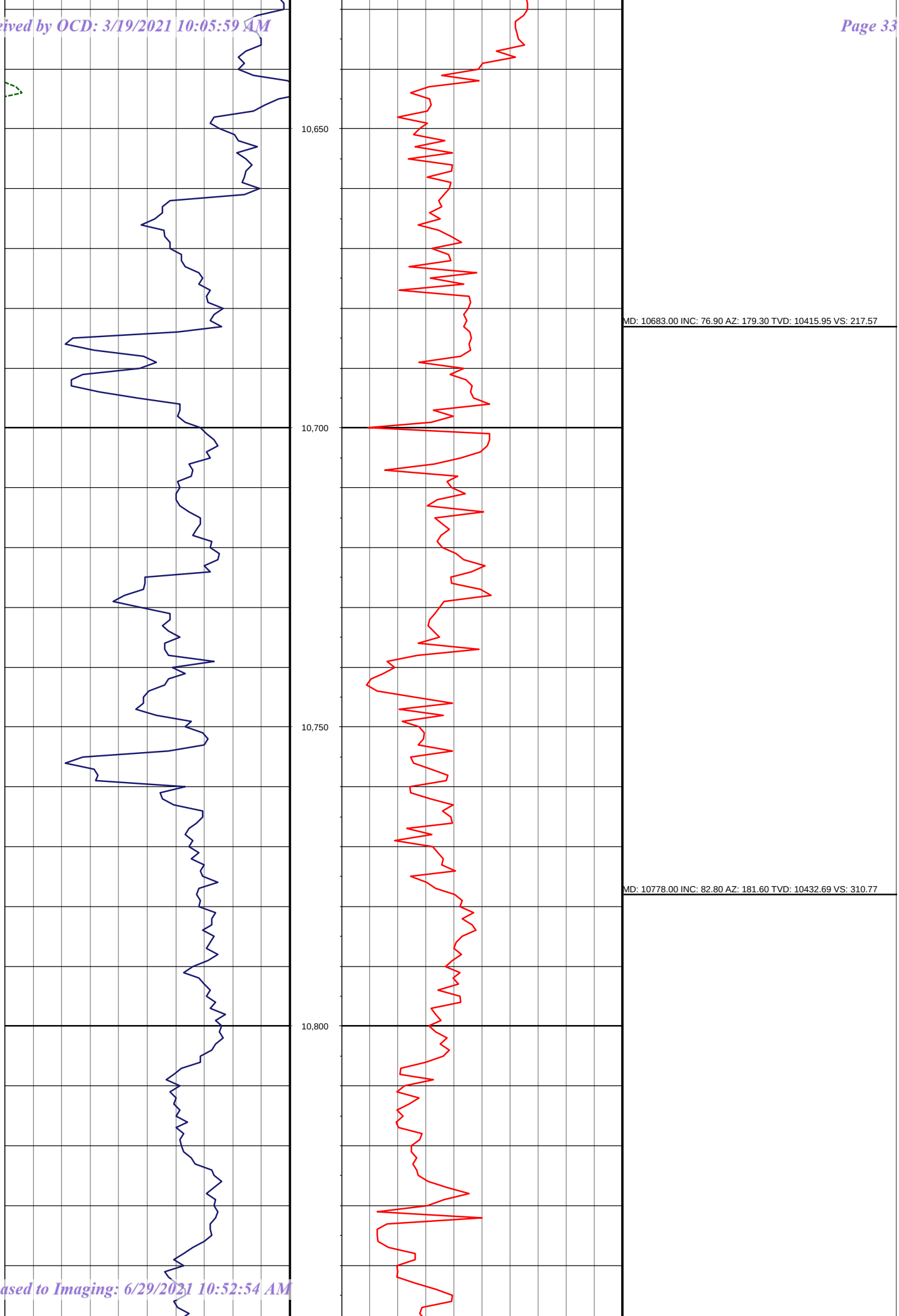
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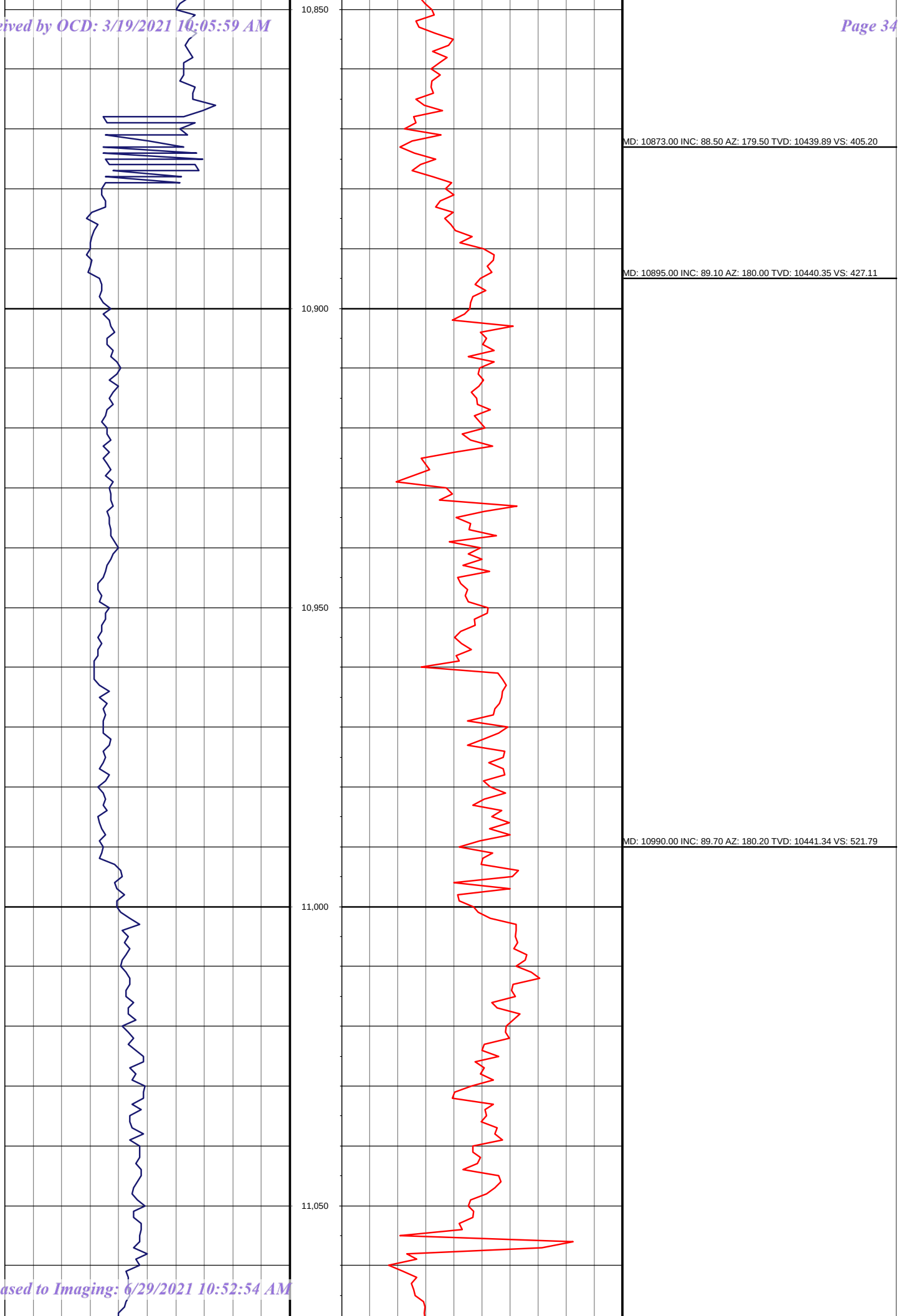

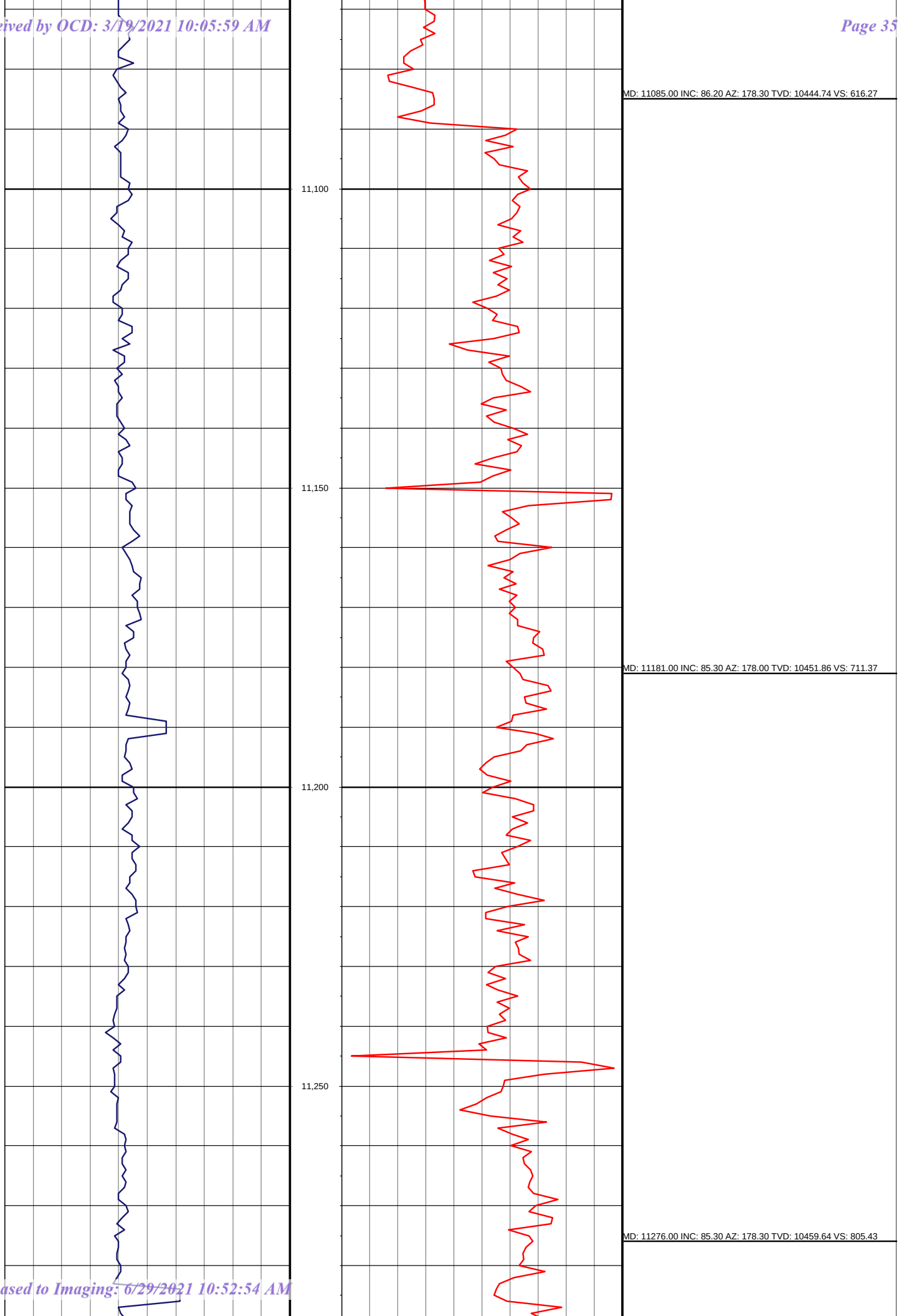
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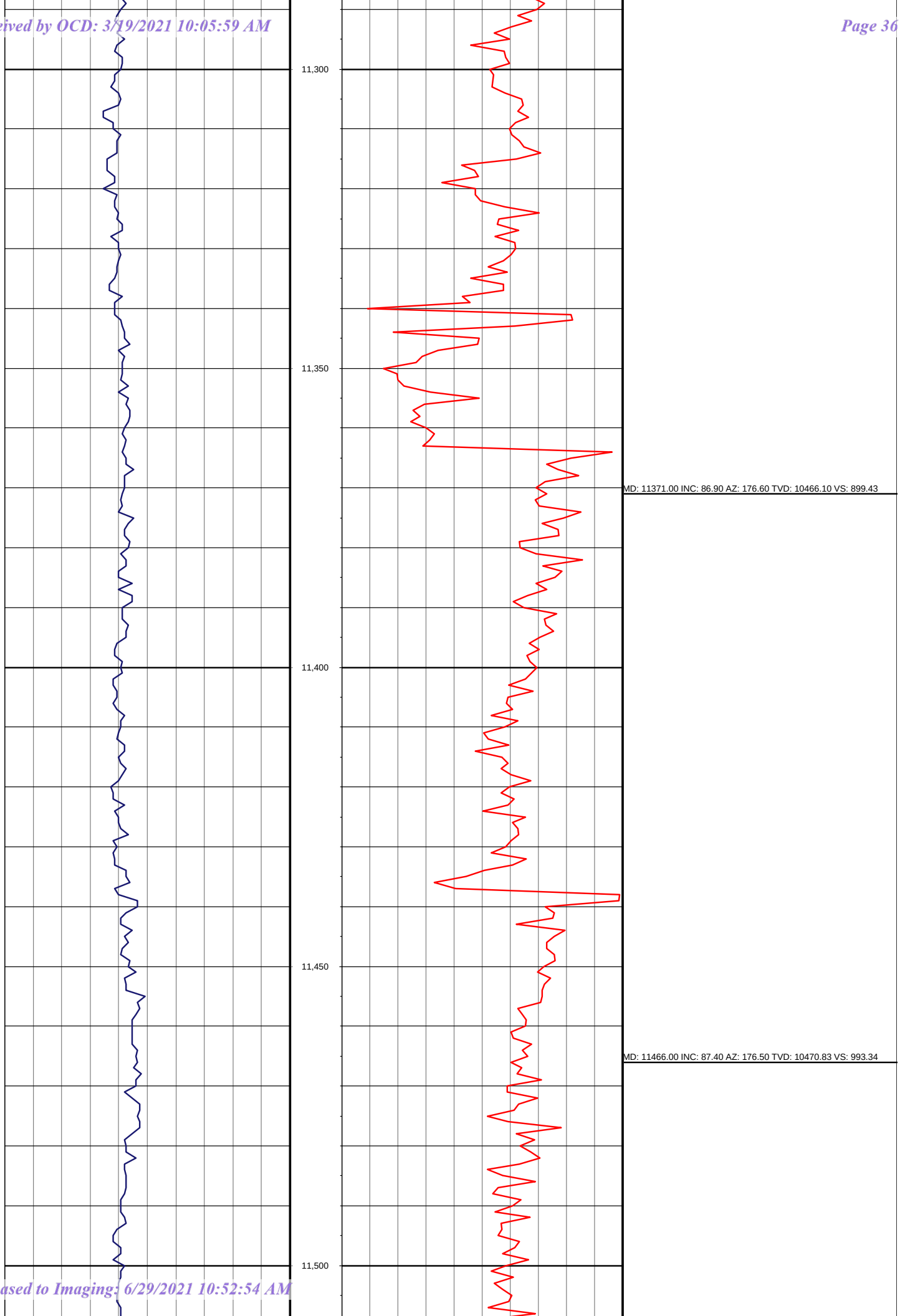
MD: 11276.00 INC: 85.30 AZ: 178.30 TVD: 10459.64 VS: 805.43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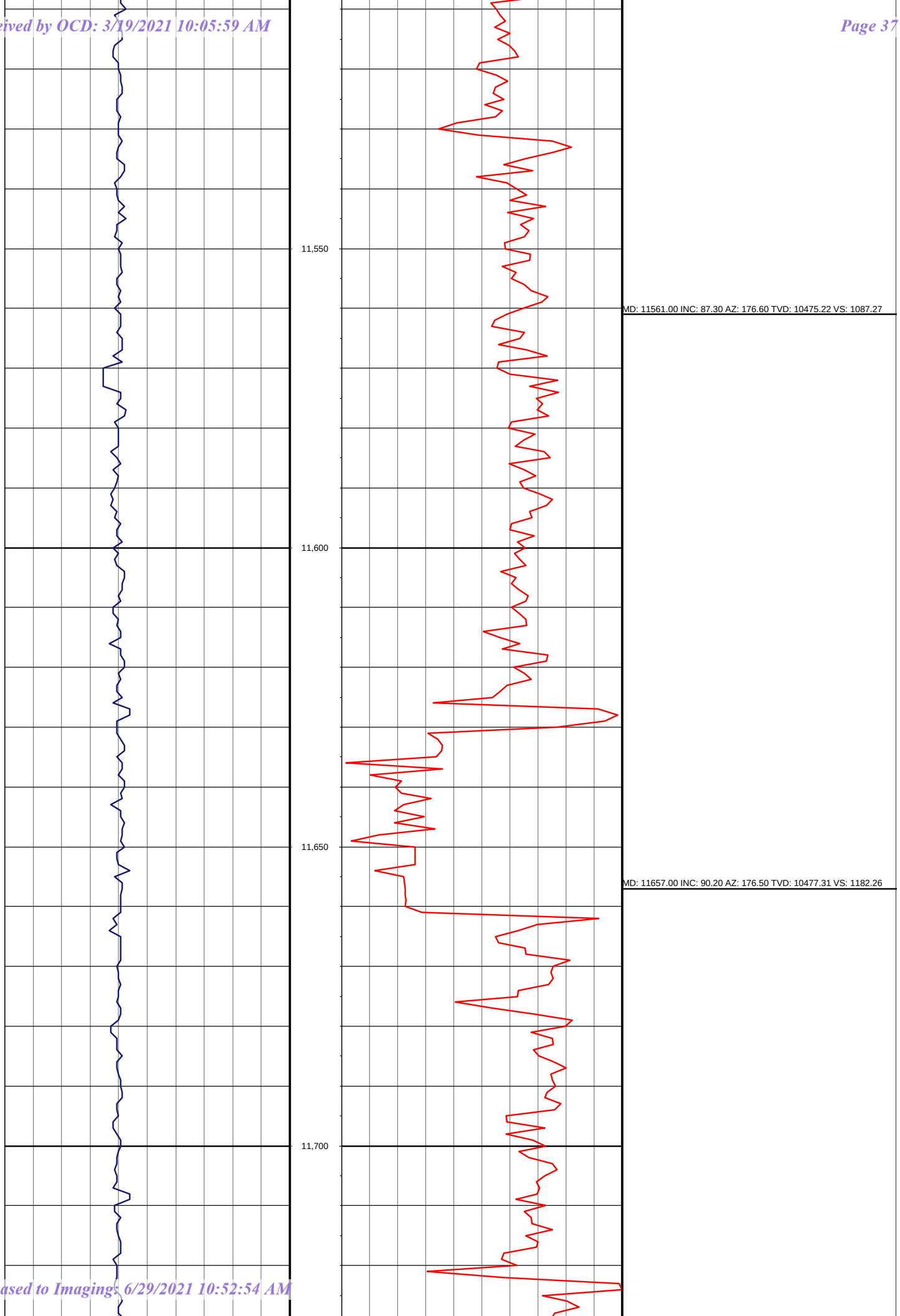
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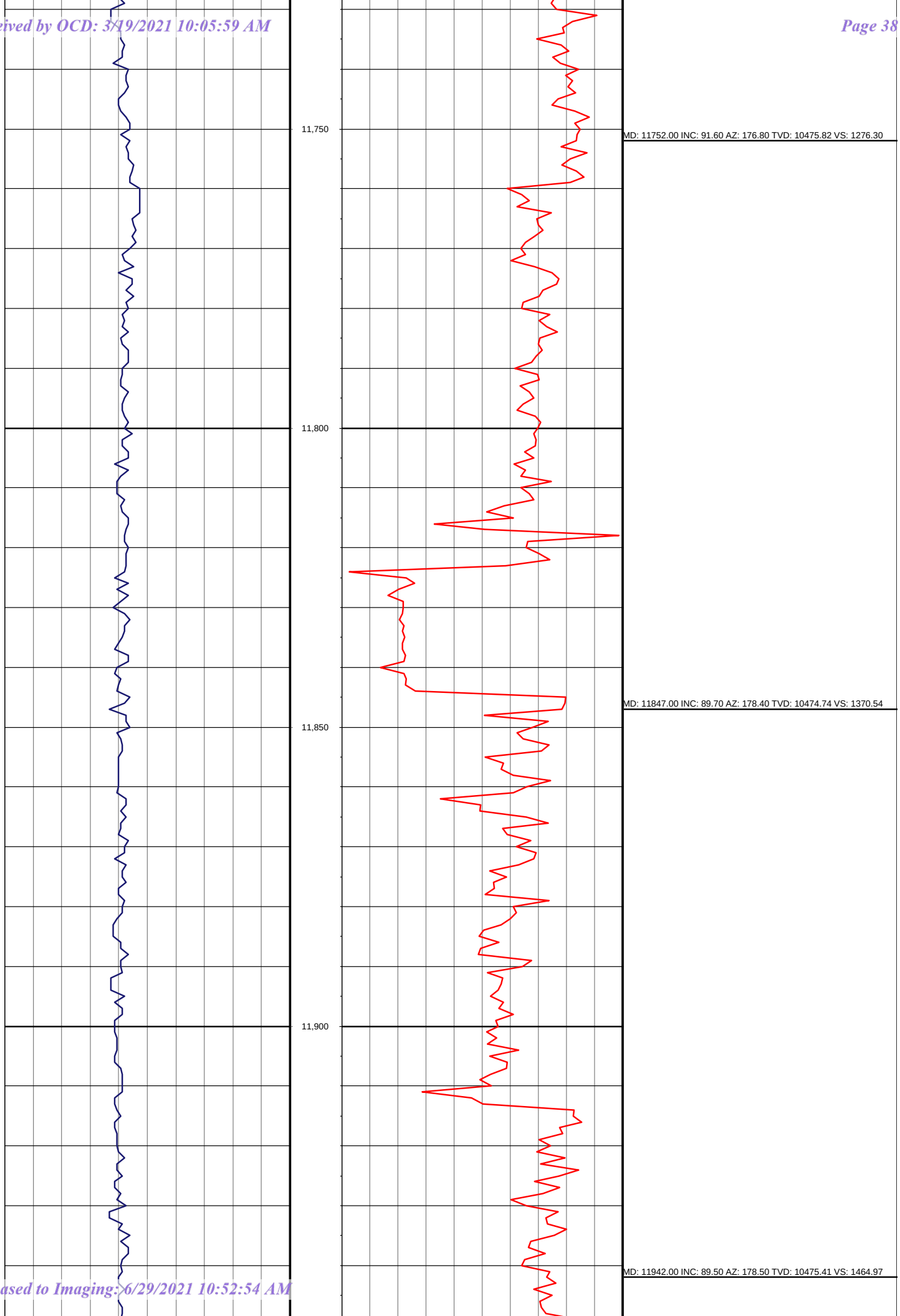
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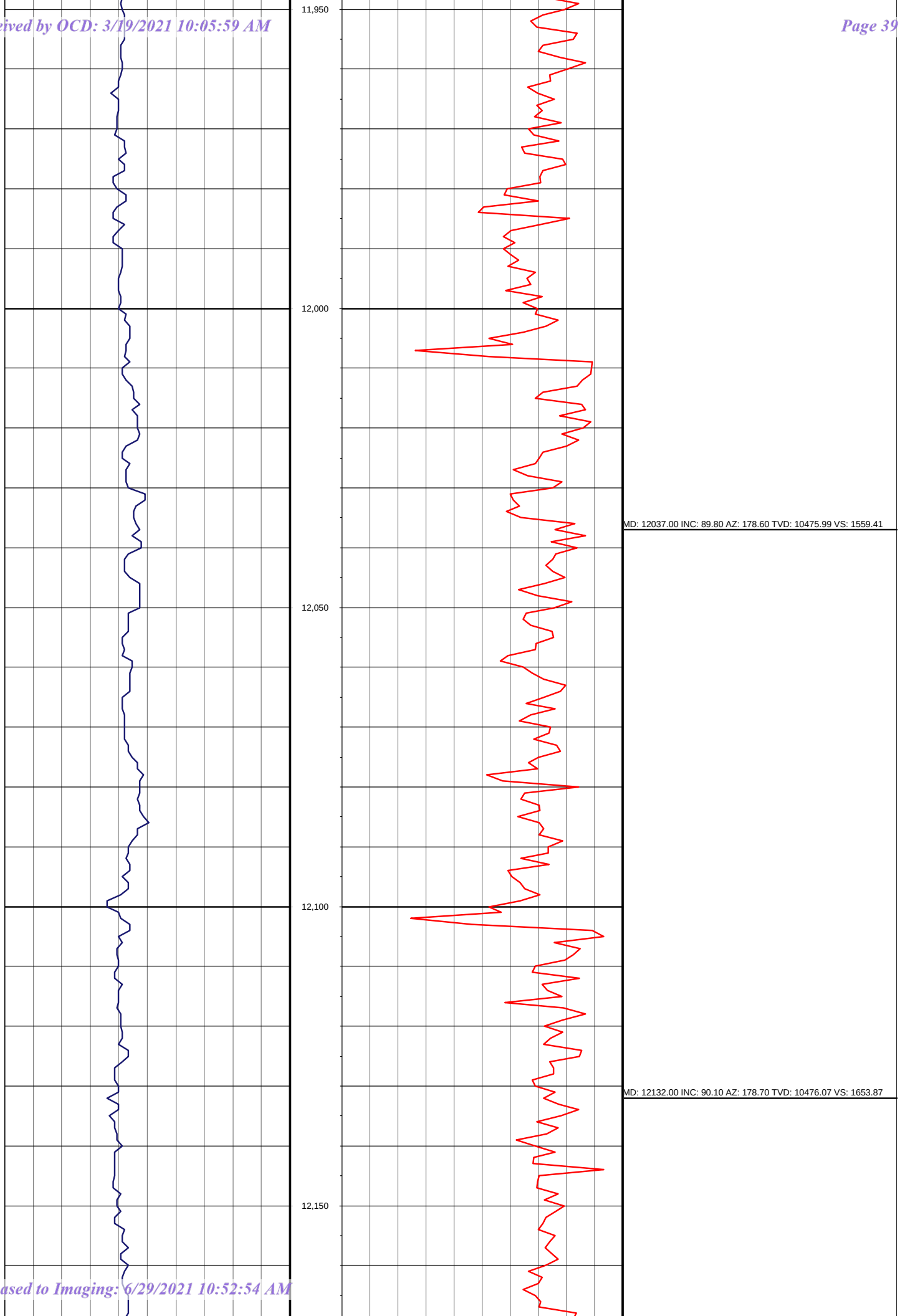
MD: 11752.00 INC: 91.60 AZ: 176.80 TVD: 10475.82 VS: 1276.30
MD: 11847.00 INC: 89.70 AZ: 178.40 TVD: 10474.74 VS: 1370.54
MD: 11942.00 INC: 89.50 AZ: 178.50 TVD: 10475.41 VS: 1464.97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12,050
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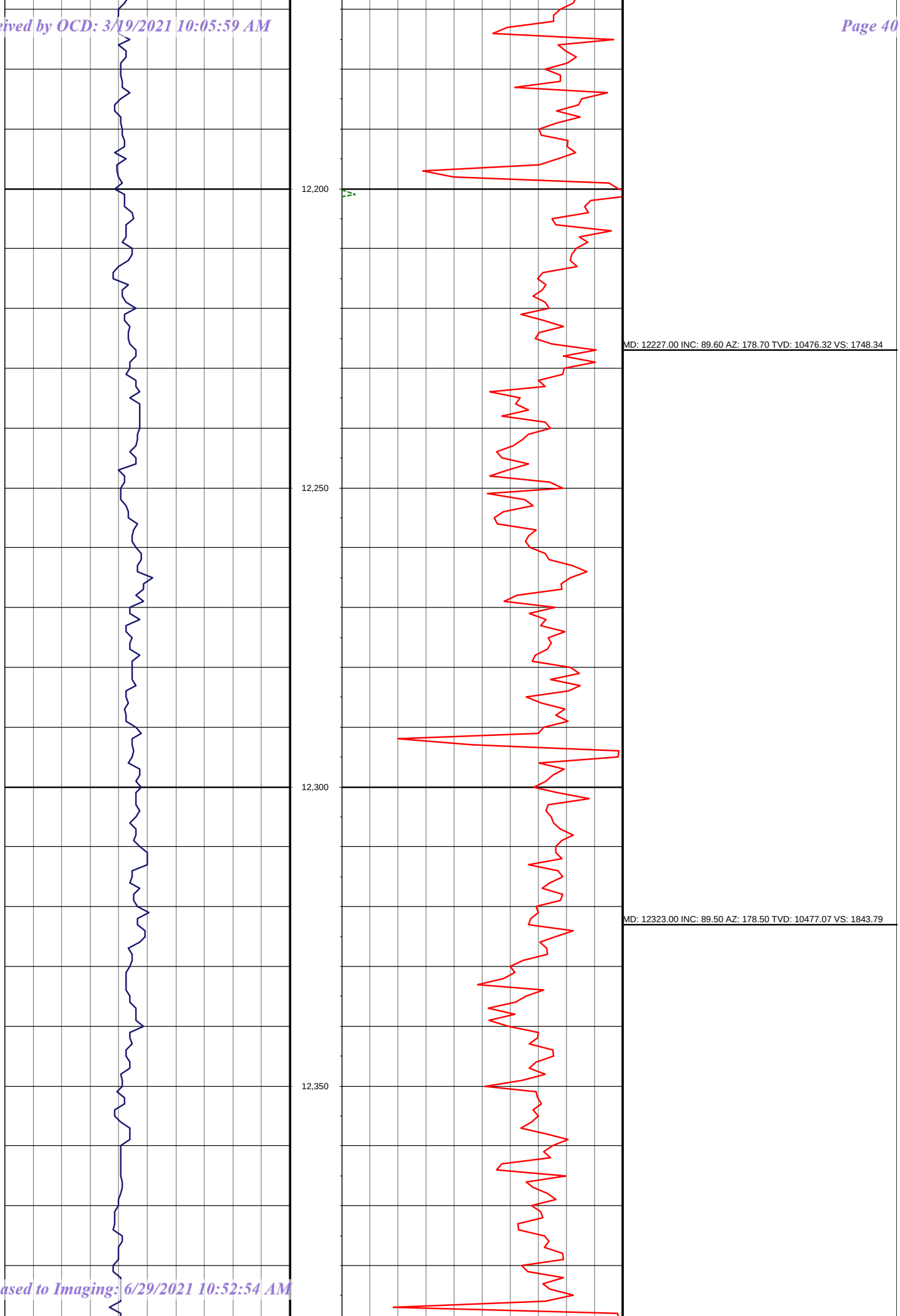
MD: 12132.00 INC: 90.10 AZ: 178.70 TVD: 10476.07 VS: 1653.87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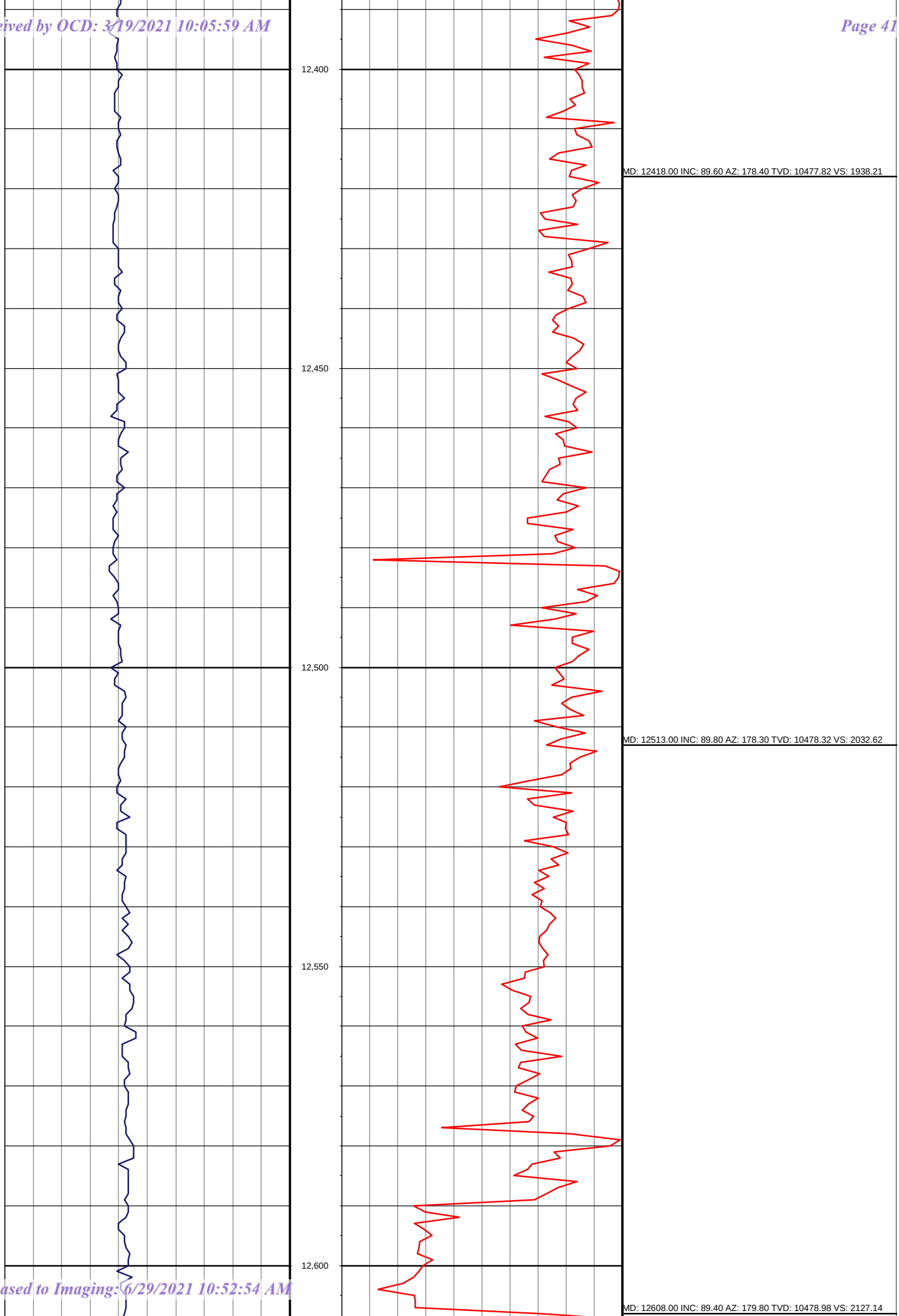
MD: 12323.00 INC: 89.50 AZ: 178.50 TVD: 10477.07 VS: 1843.79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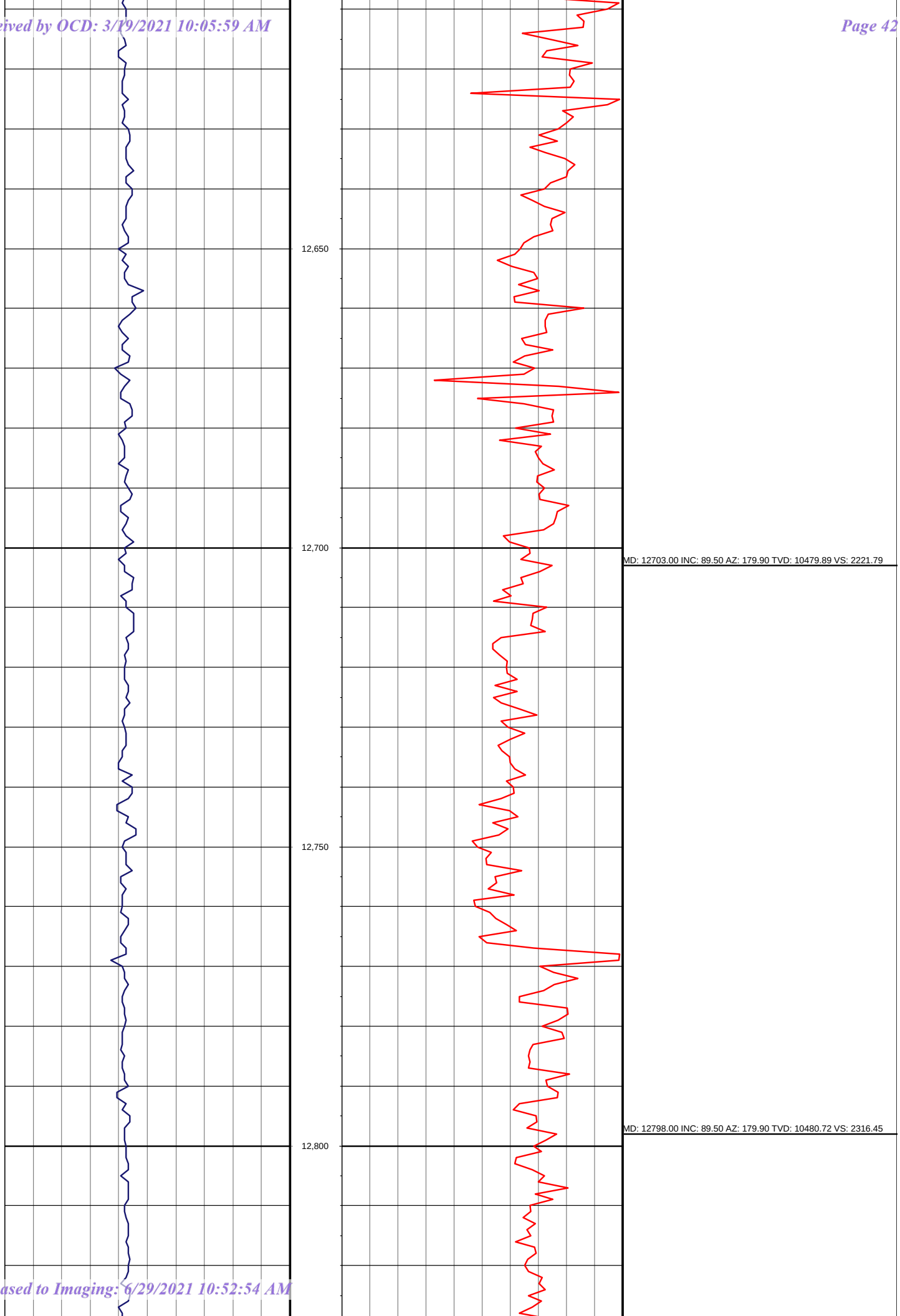
12,450
12,500
12,550
12,600
MD: 12418.00 INC: 89.60 AZ: 178.40 TVD: 10477.82 VS: 1938.21
MD: 12513.00 INC: 89.80 AZ: 178.30 TVD: 10478.32 VS: 2032.62
MD: 12608.00 INC: 89.40 AZ: 179.80 TVD: 10478.98 VS: 2127.14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12,700
12,750
12,800
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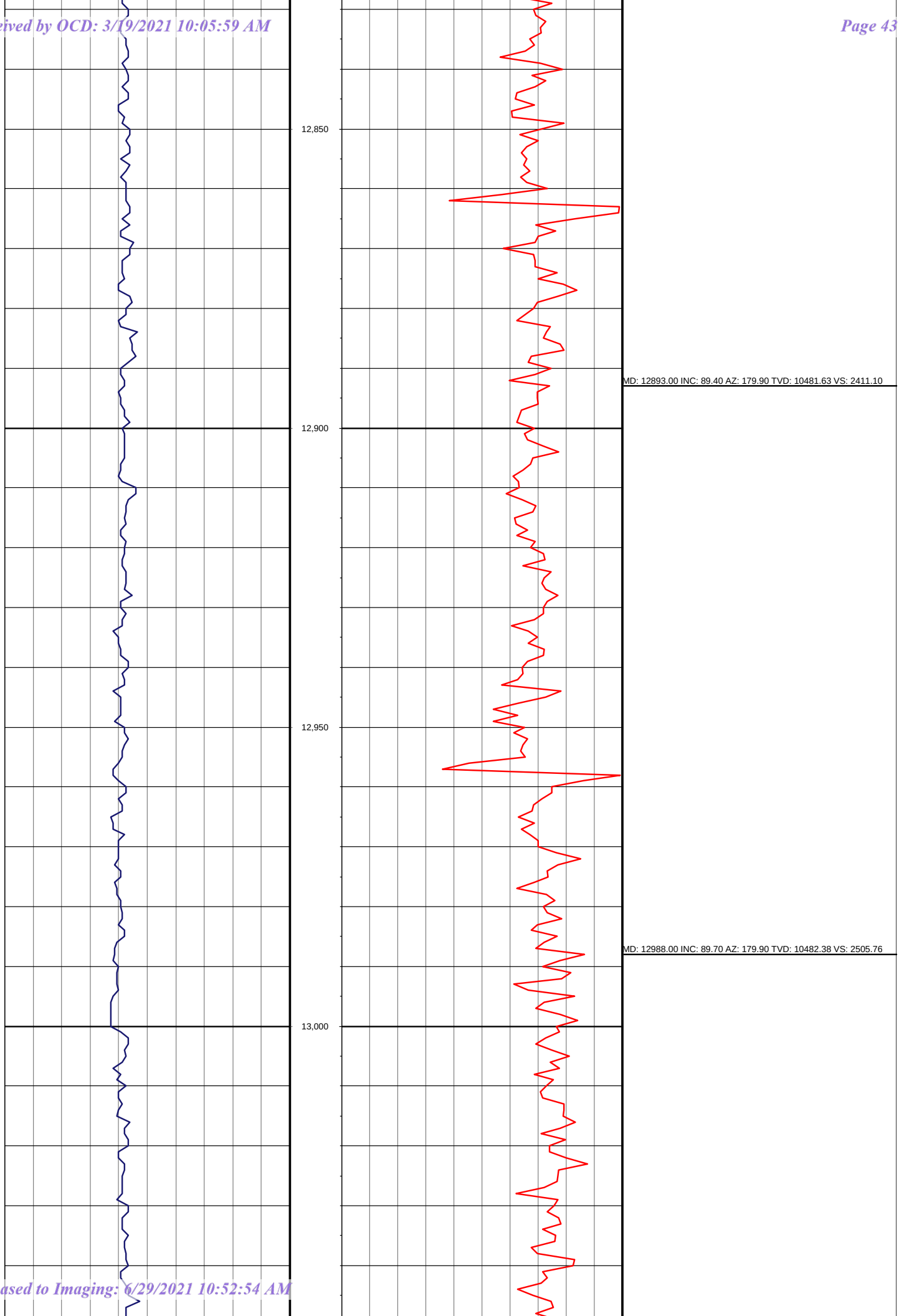
MD: 12798.00 INC: 89.50 AZ: 179.90 TVD: 10480.72 VS: 2316.45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12,900
12,950
13,000
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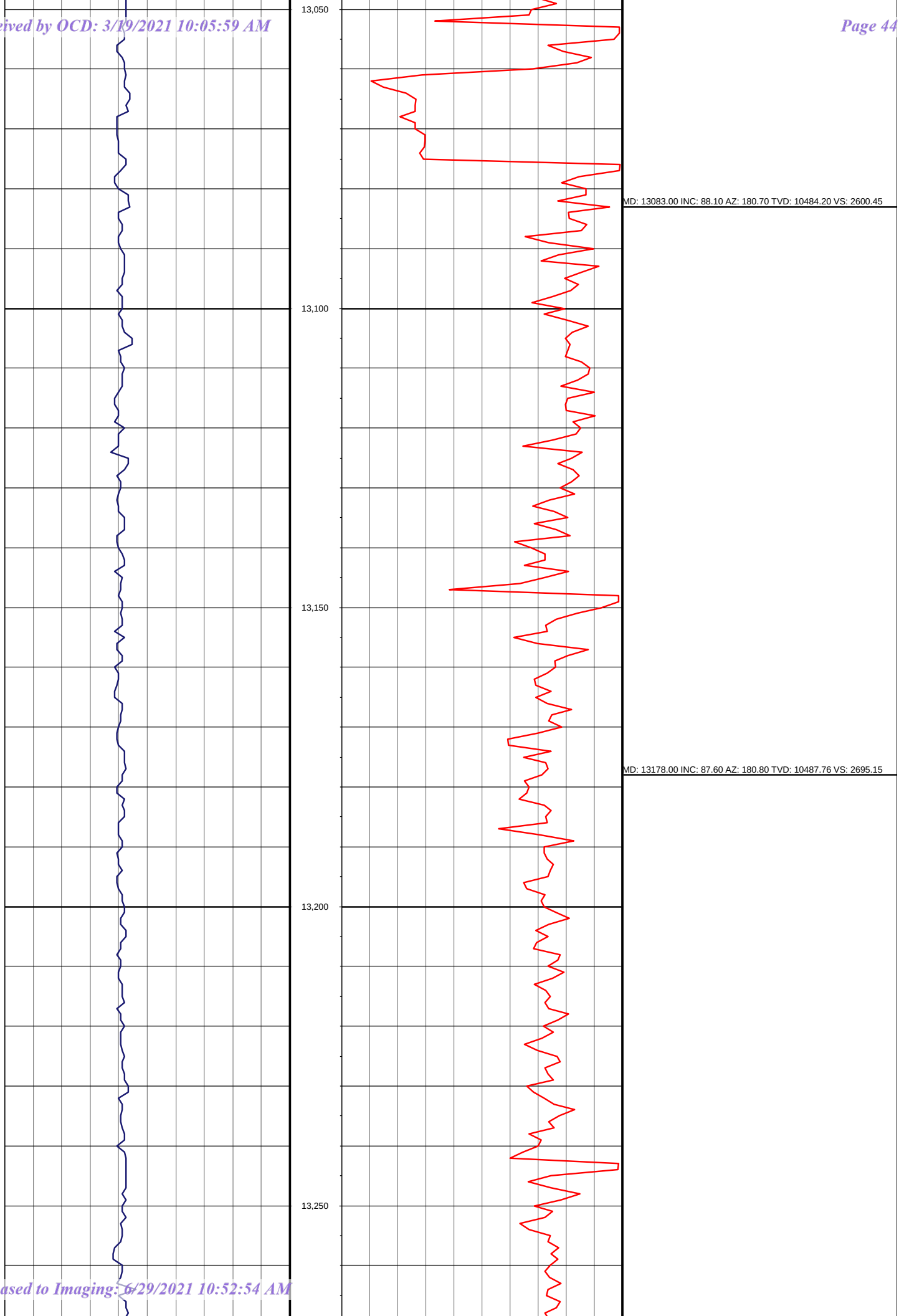
MD: 12988.00 INC: 89.70 AZ: 179.90 TVD: 10482.38 VS: 2505.76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13,100
13,150
13,200
13,250
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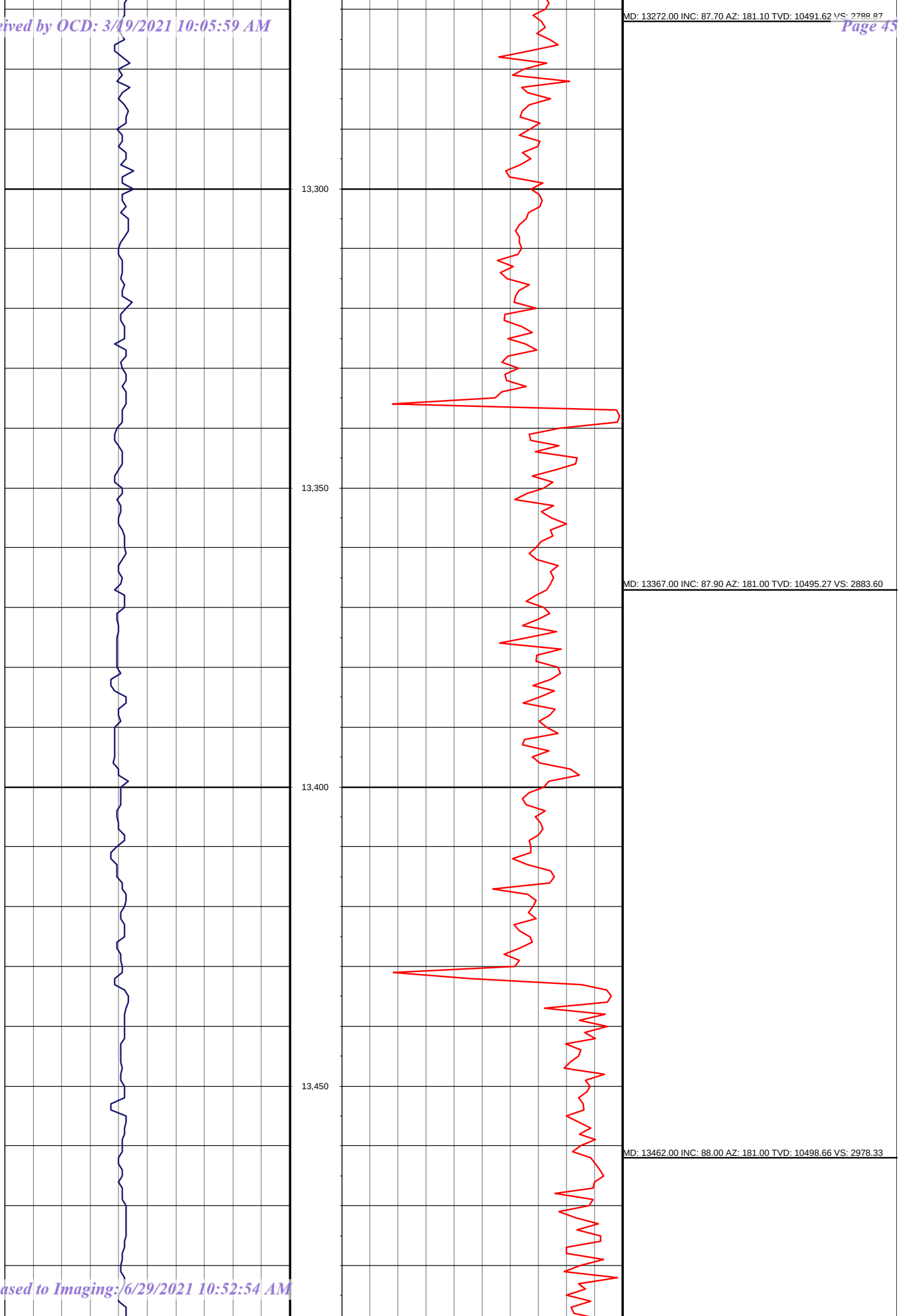
MD: 13178.00 INC: 87.60 AZ: 180.80 TVD: 10487.76 VS: 2695.15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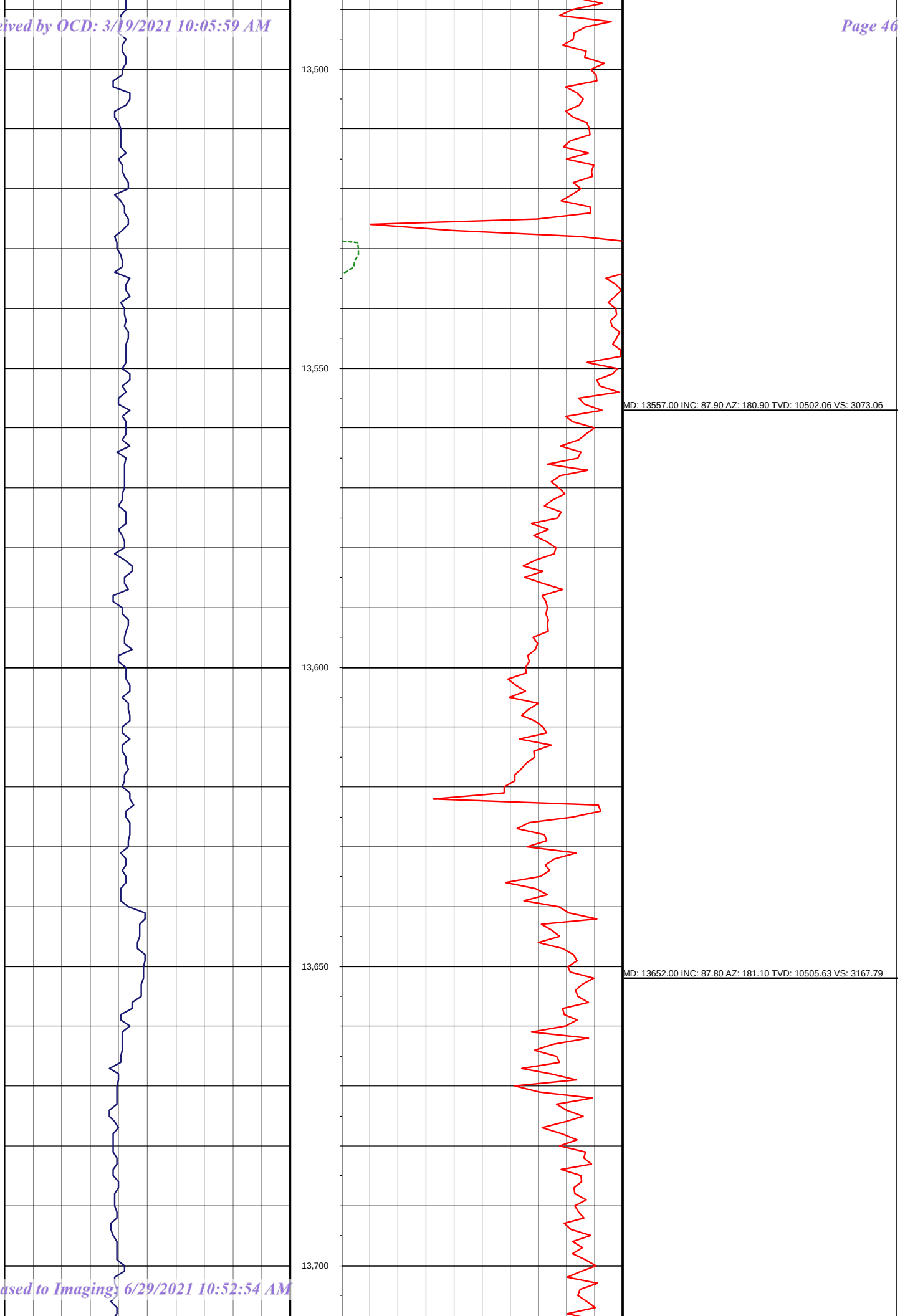
13,300
13,350
MD: 13367.00 INC: 87.90 AZ: 181.00 TVD: 10495.27 VS: 2883.60
13,400
13,450
MD: 13462.00 INC: 88.00 AZ: 181.00 TVD: 10498.66 VS: 2978.33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13,550
13,600
13,650
13,700
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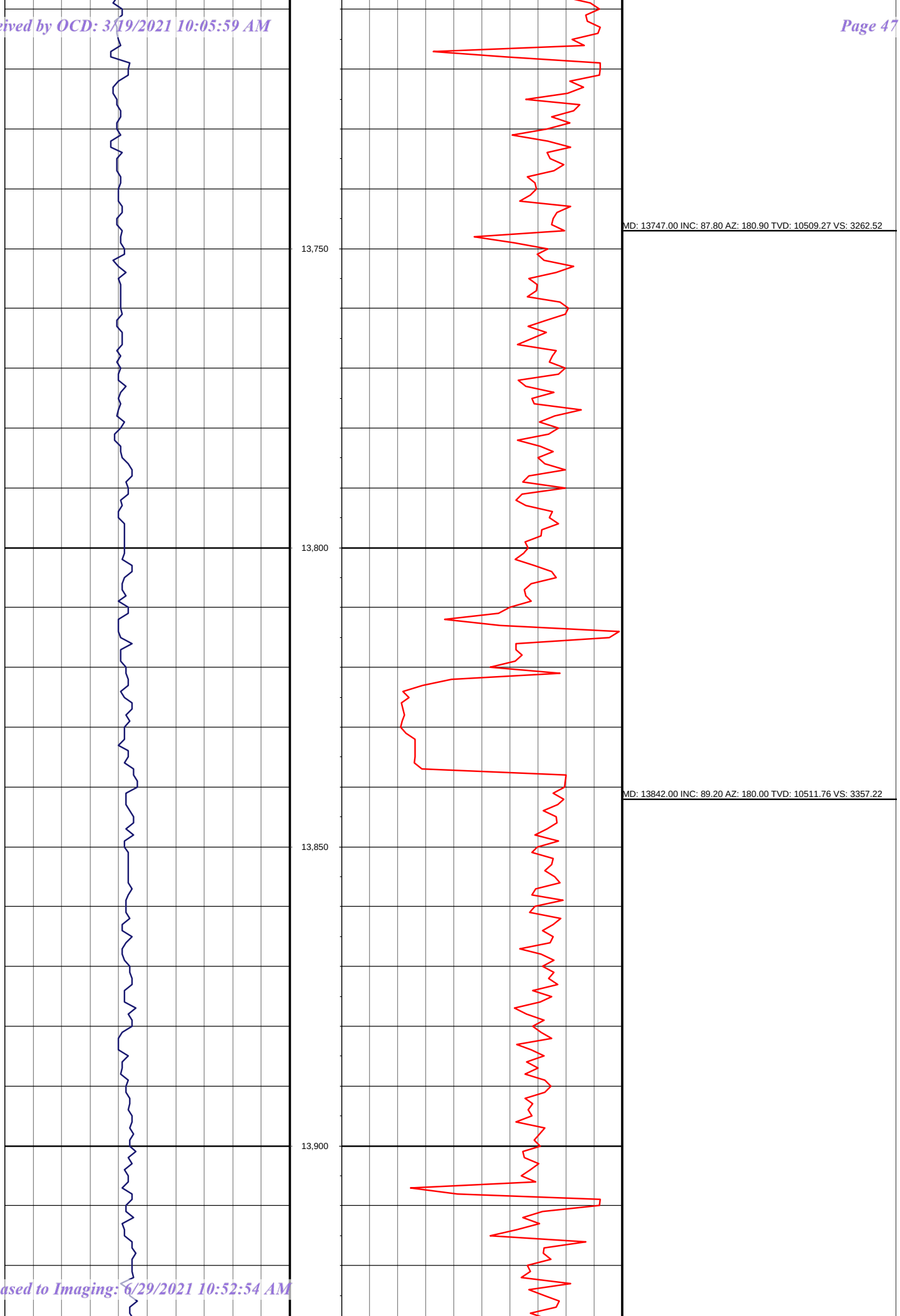
MD: 13747.00 INC: 87.80 AZ: 180.90 TVD: 10509.27 VS: 3262.52
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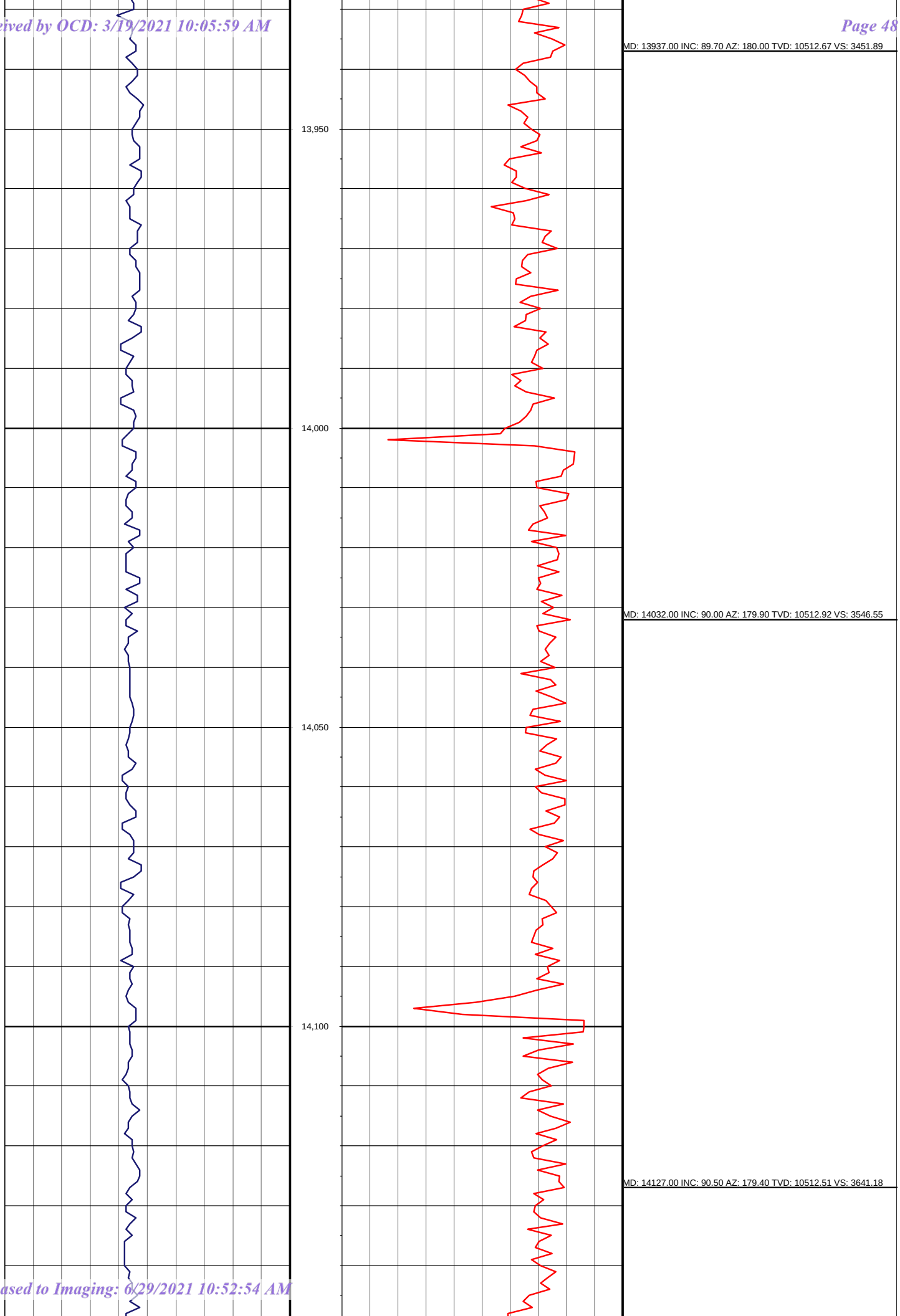
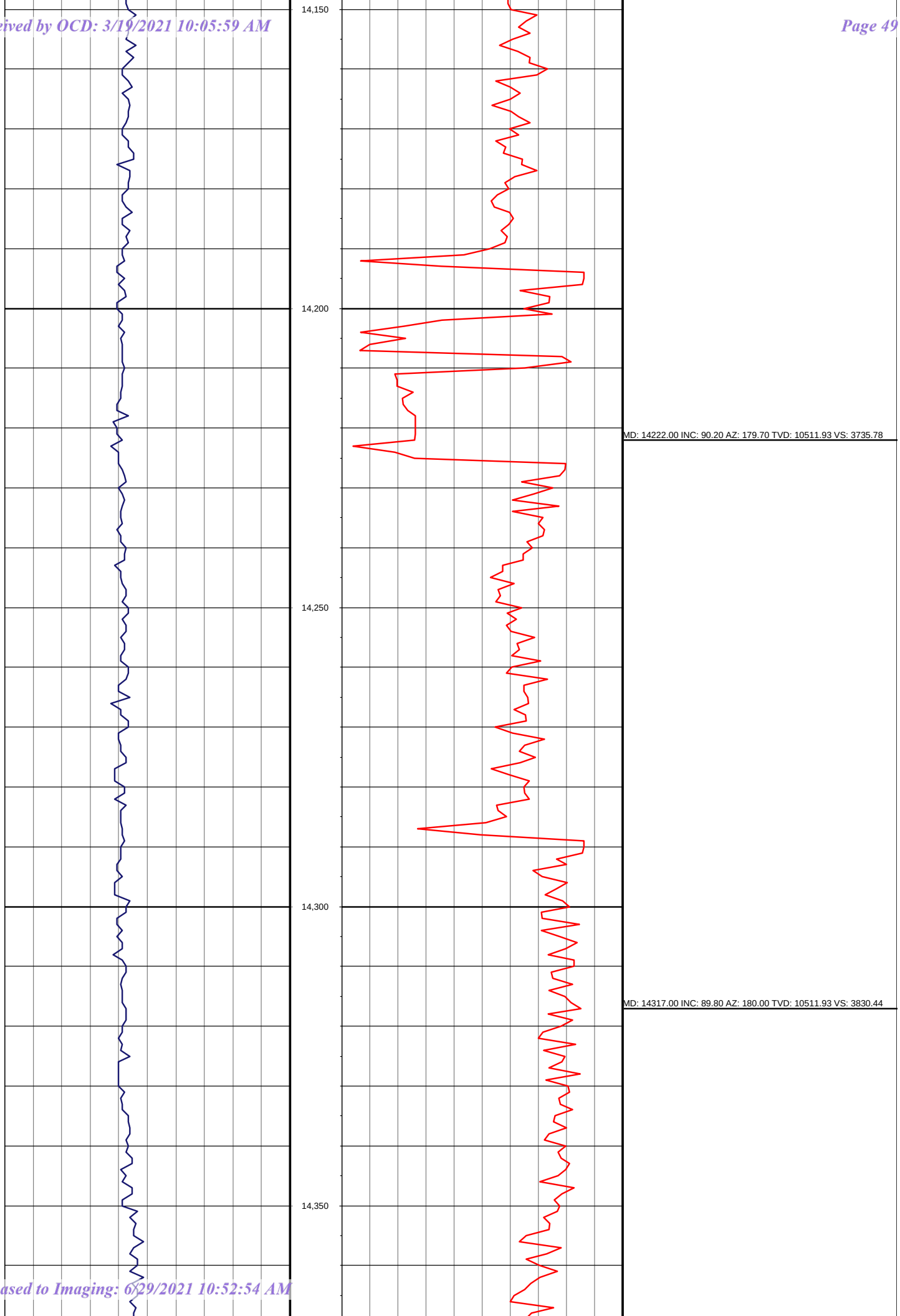
13,800
MD: 13842.00 INC: 89.20 AZ: 180.00 TVD: 10511.76 VS: 3357.22
13,850
13,900


MD: 13937.00 INC: 89.70 AZ: 180.00 TVD: 10512.67 VS: 3451.89
13,950
14,000
MD: 14032.00 INC: 90.00 AZ: 179.90 TVD: 10512.92 VS: 3546.55
14,050
14,100
MD: 14127.00 INC: 90.50 AZ: 179.40 TVD: 10512.51 VS: 3641.18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14,300
14,350
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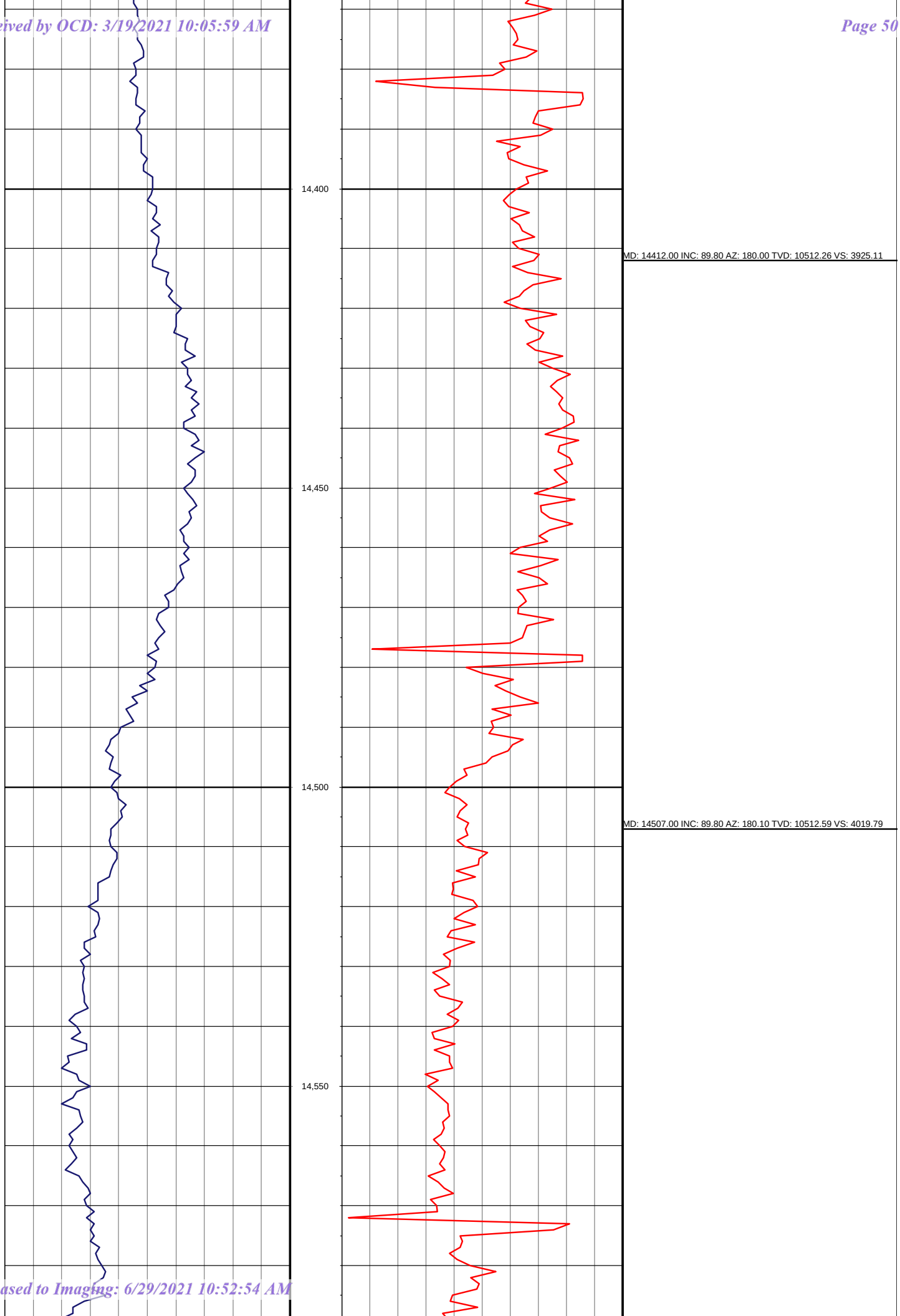
MD: 14317.00 INC: 89.80 AZ: 180.00 TVD: 10511.93 VS: 3830.44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14,500
14,550
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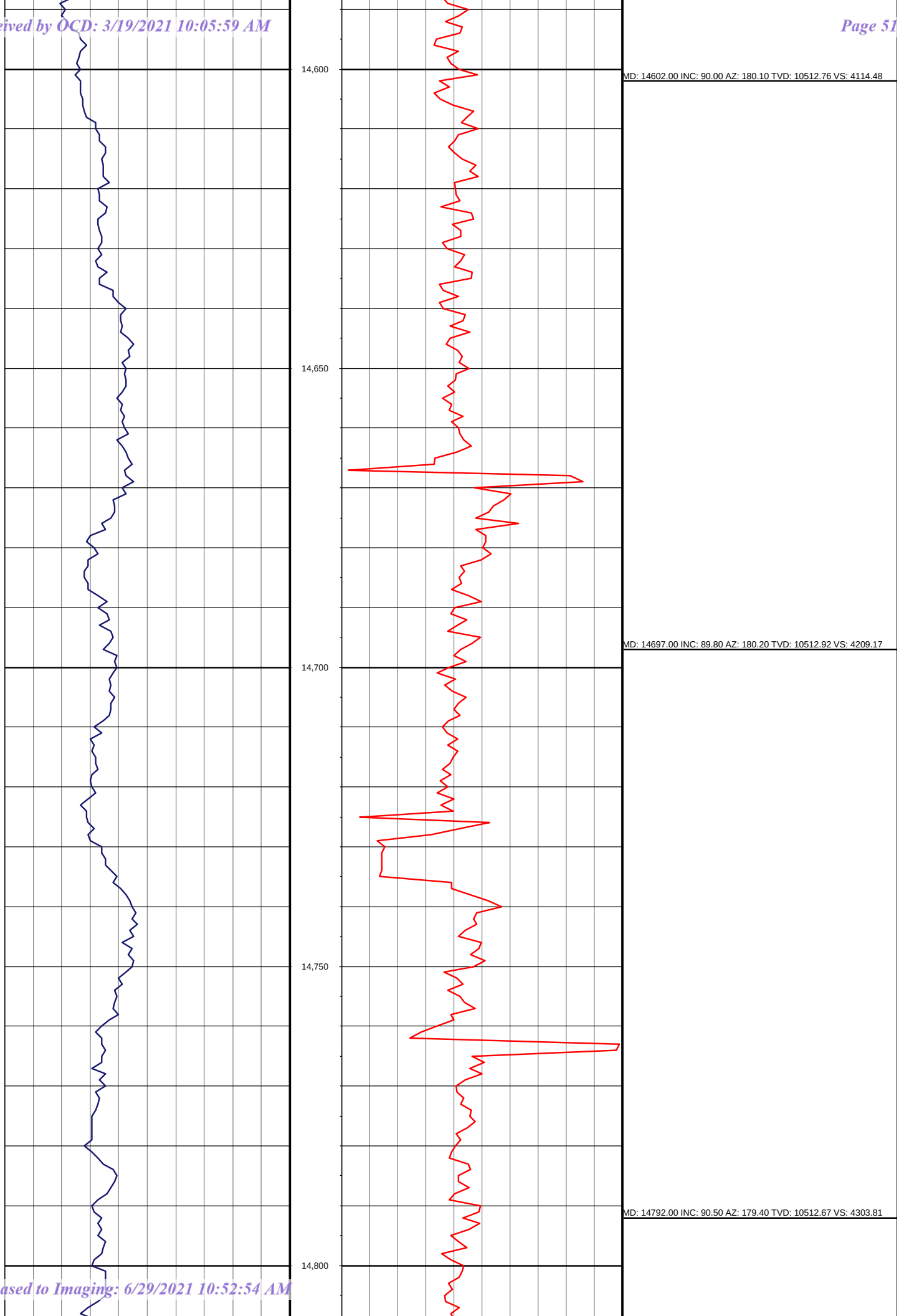
MD: 14507.00 INC: 89.80 AZ: 180.10 TVD: 10512.59 VS: 4019.79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14,750
14,800
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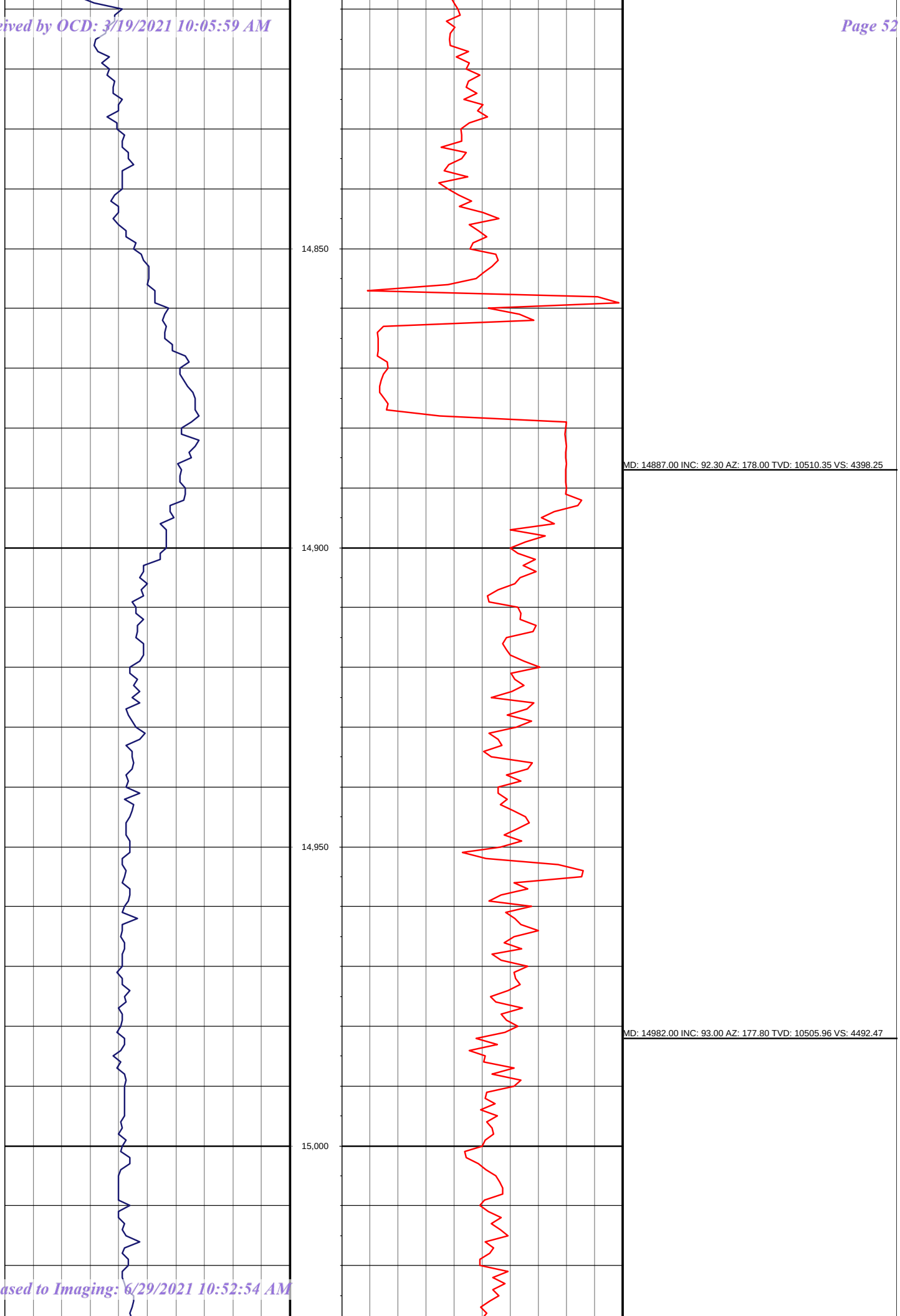
MD: 14792.00 INC: 90.50 AZ: 179.40 TVD: 10512.67 VS: 4303.81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14,900
14,950
15,000
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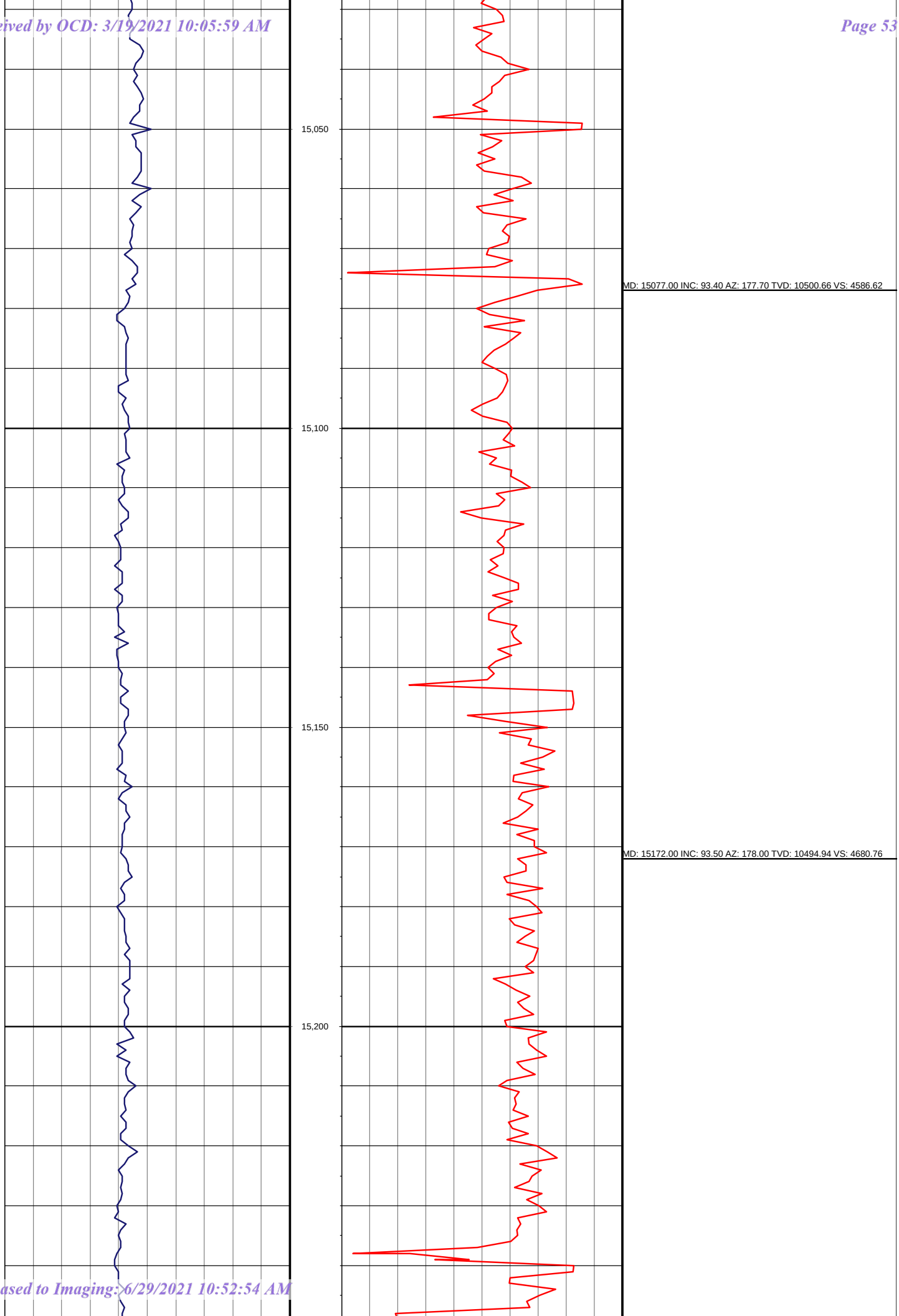
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15,100
15,150
15,200
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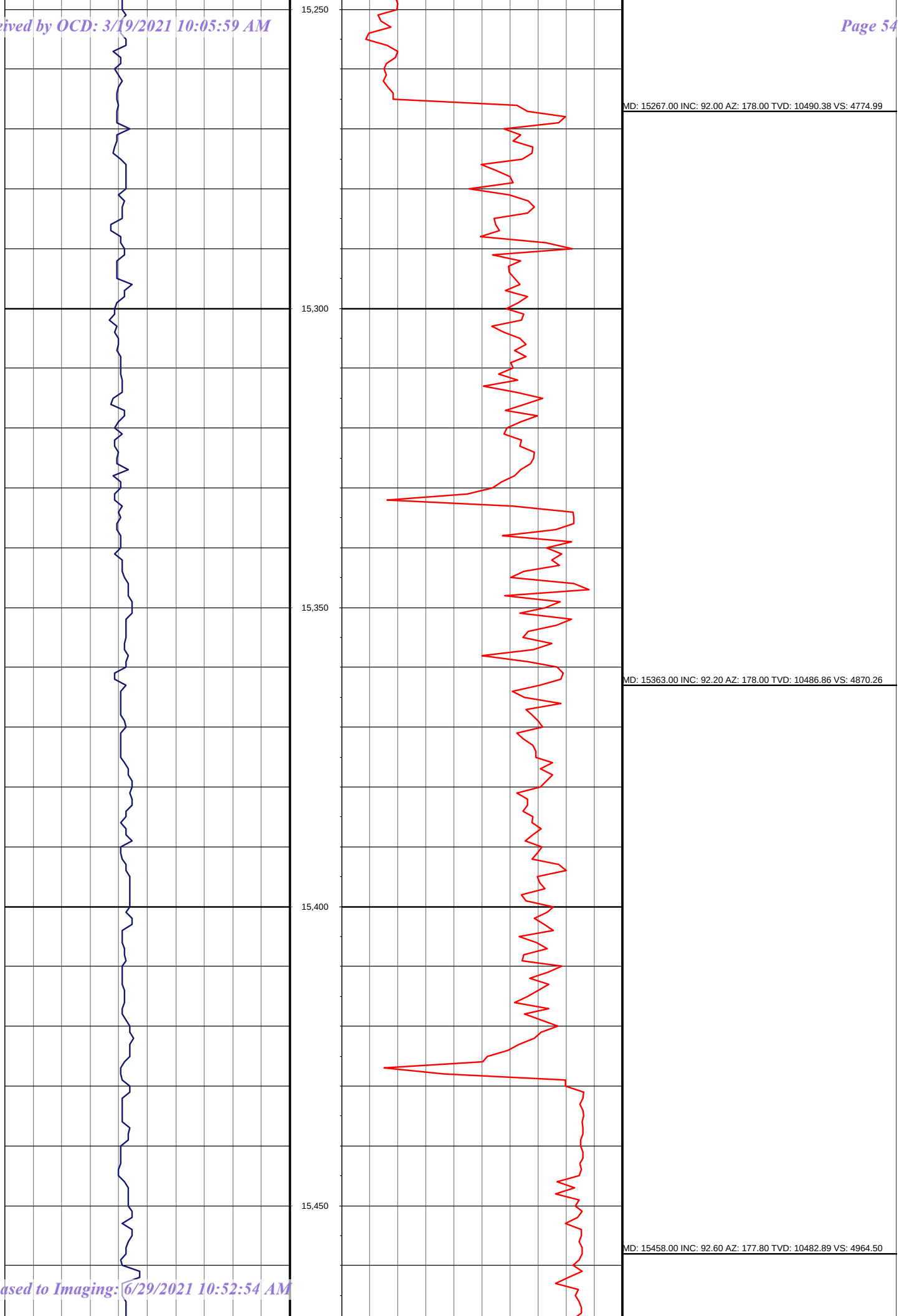
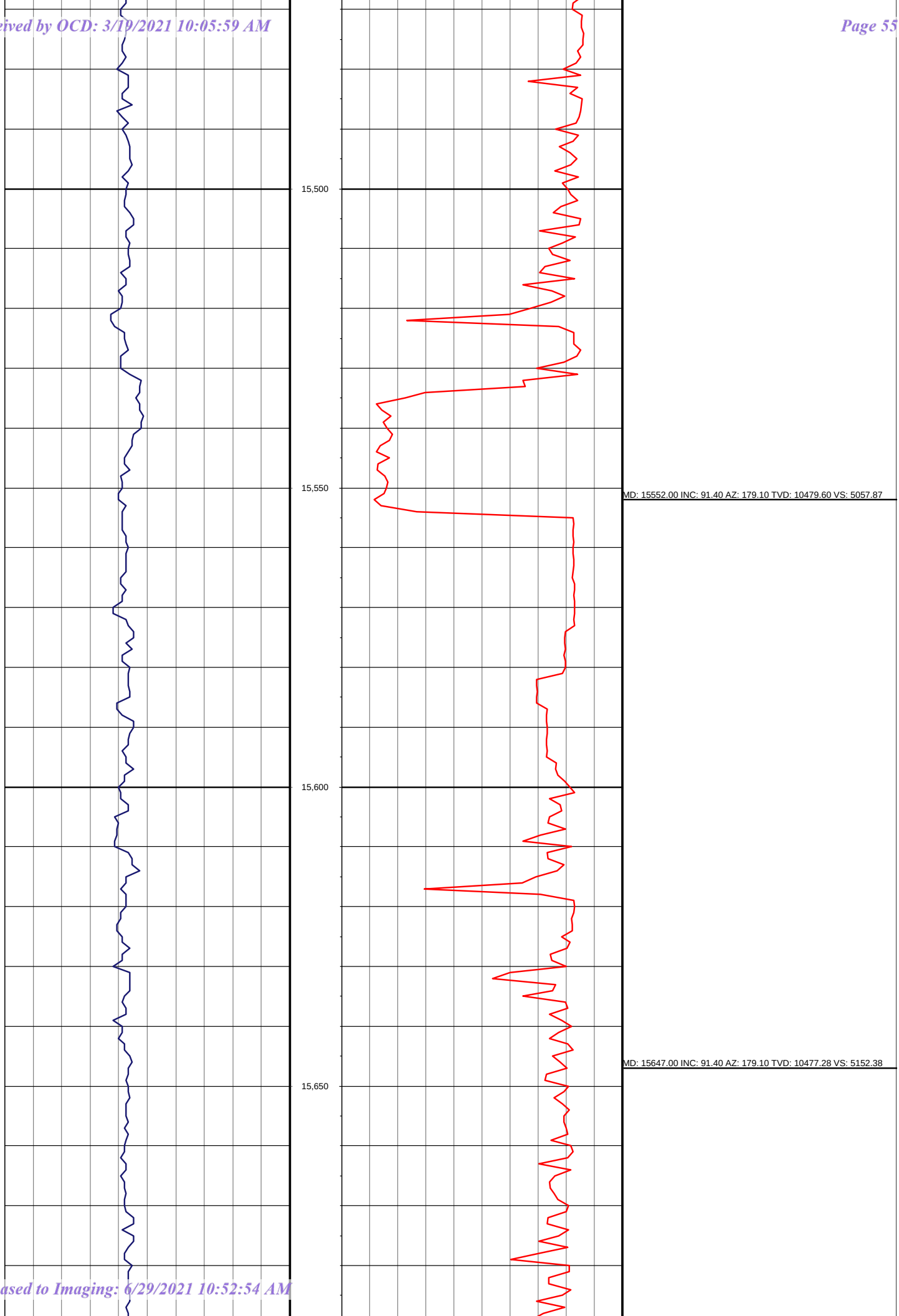
MD: 15172.00 INC: 93.50 AZ: 178.00 TVD: 10494.94 VS: 4680.76

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15,650
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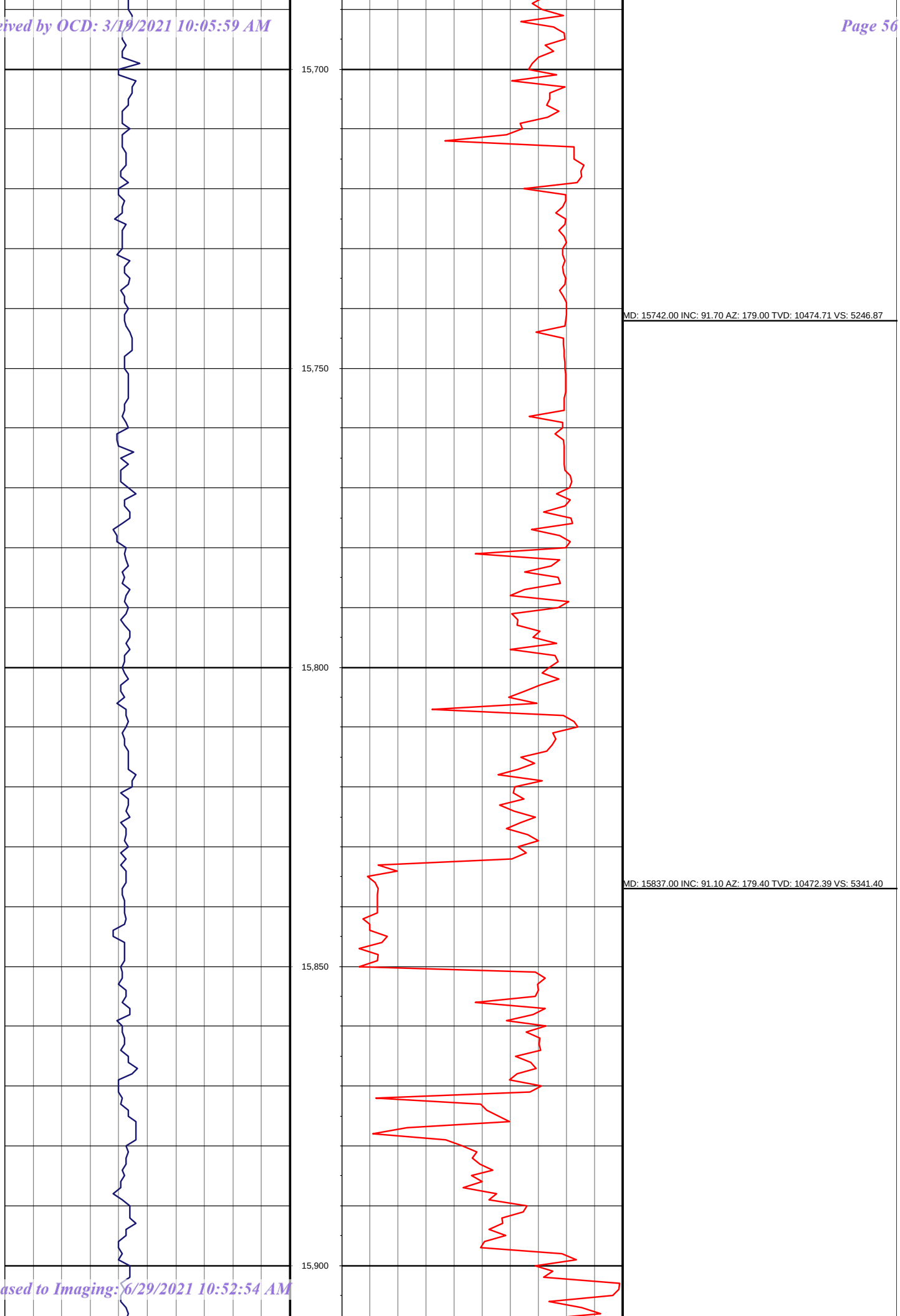
MD: 15647.00 INC: 91.40 AZ: 179.10 TVD: 10477.28 VS: 5152.38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15,750
15,800
15,850
15,900
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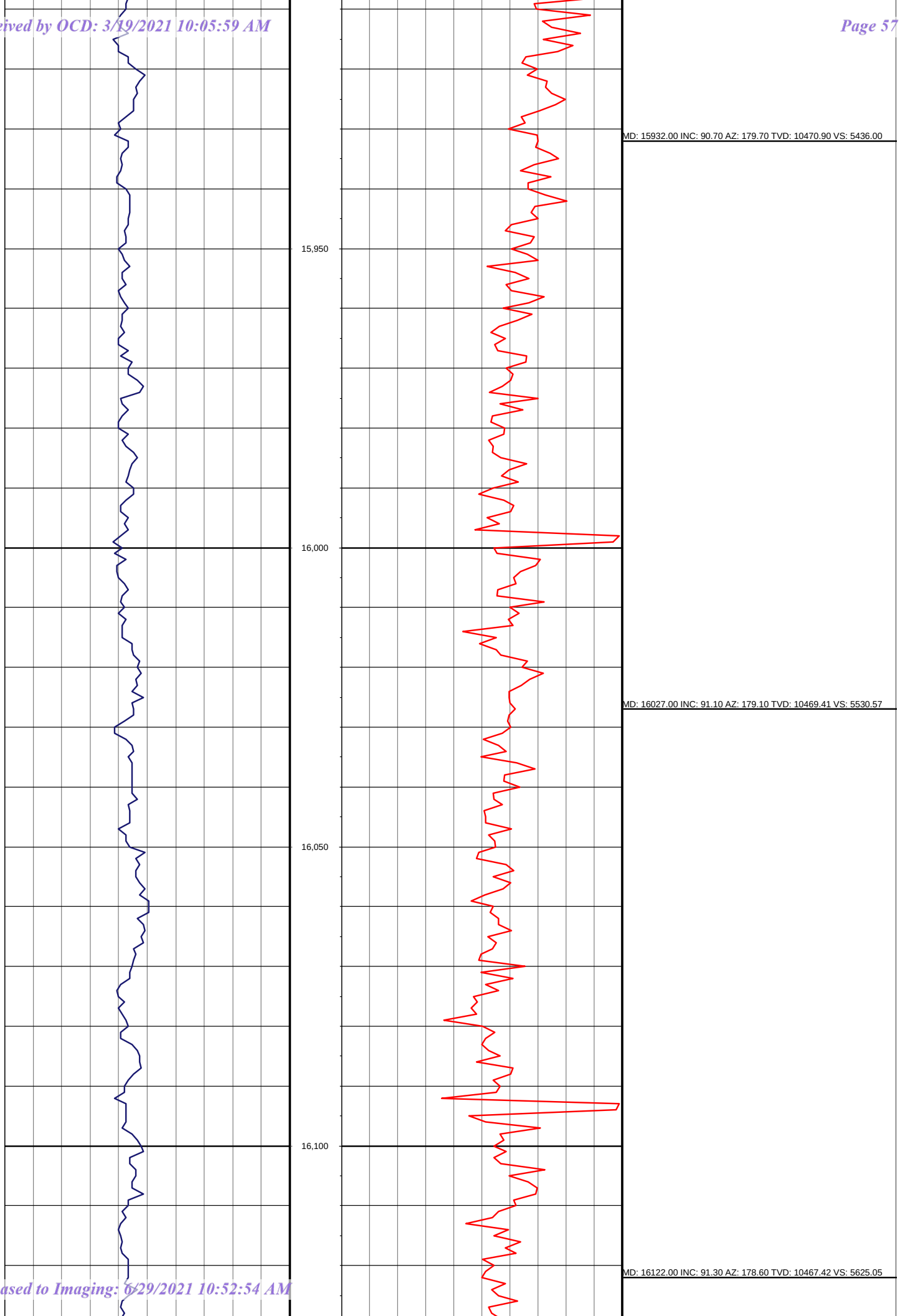
MD: 15837.00 INC: 91.10 AZ: 179.40 TVD: 10472.39 VS: 5341.40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16,000
MD: 16027.00 INC: 91.10 AZ: 179.10 TVD: 10469.41 VS: 5530.57
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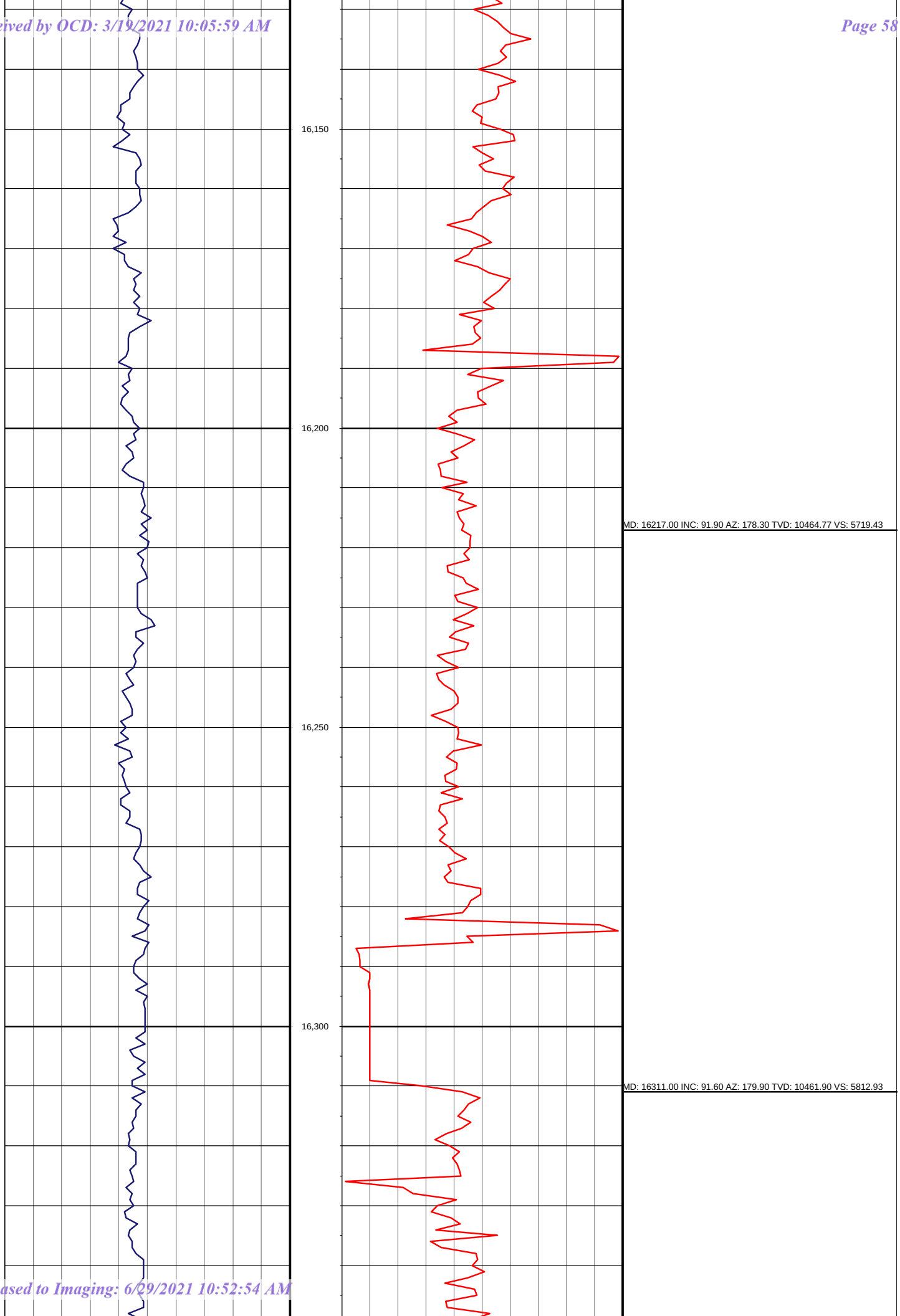
16,100
MD: 16122.00 INC: 91.30 AZ: 178.60 TVD: 10467.42 VS: 5625.05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16,300
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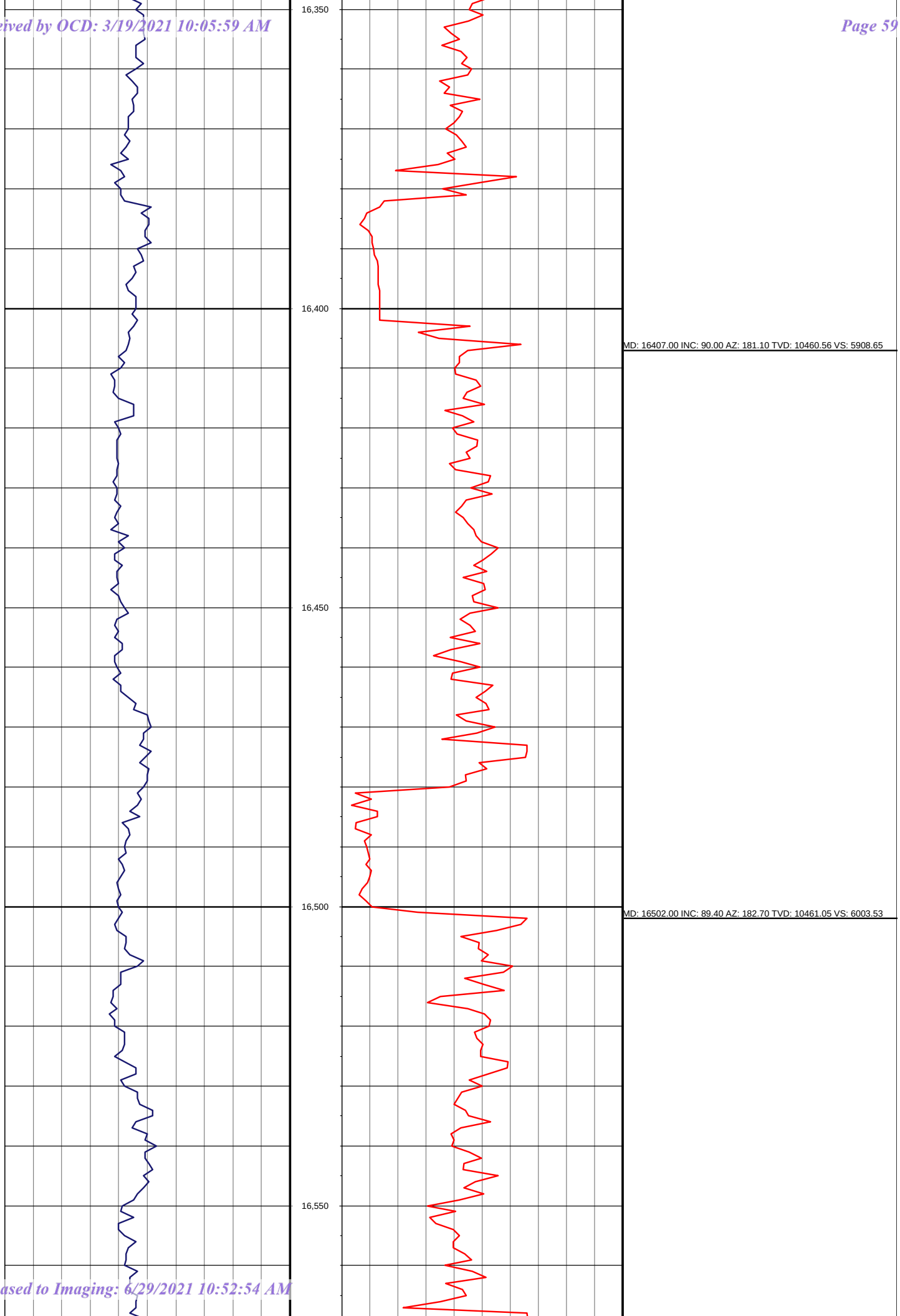
MD: 16311.00 INC: 91.60 AZ: 179.90 TVD: 10461.90 VS: 5812.93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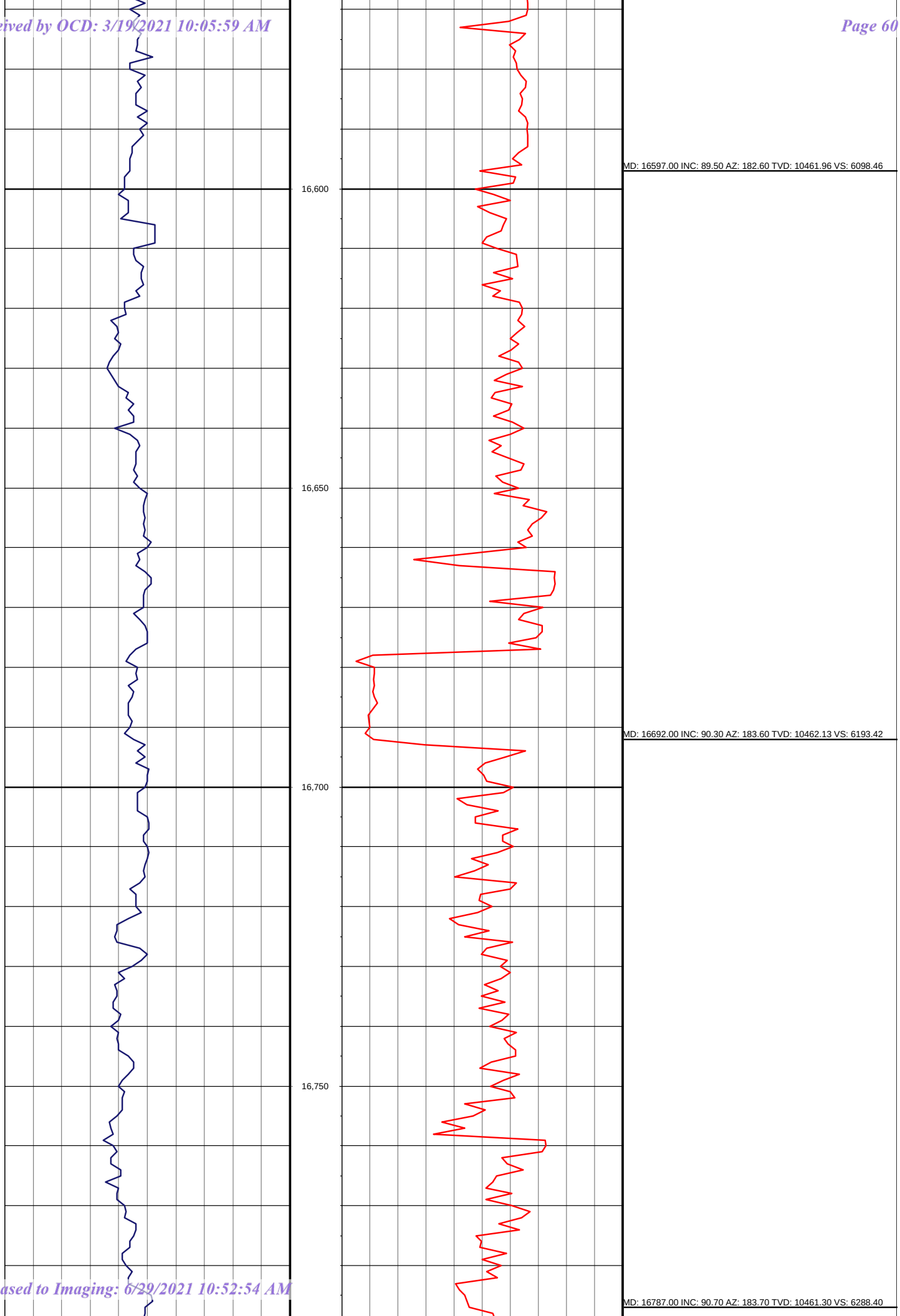
16,450
16,500
16,550
MD: 16407.00 INC: 90.00 AZ: 181.10 TVD: 10460.56 VS: 5908.65
MD: 16502.00 INC: 89.40 AZ: 182.70 TVD: 10461.05 VS: 6003.53


MD: 16597.00 INC: 89.50 AZ: 182.60 TVD: 10461.96 VS: 6098.46
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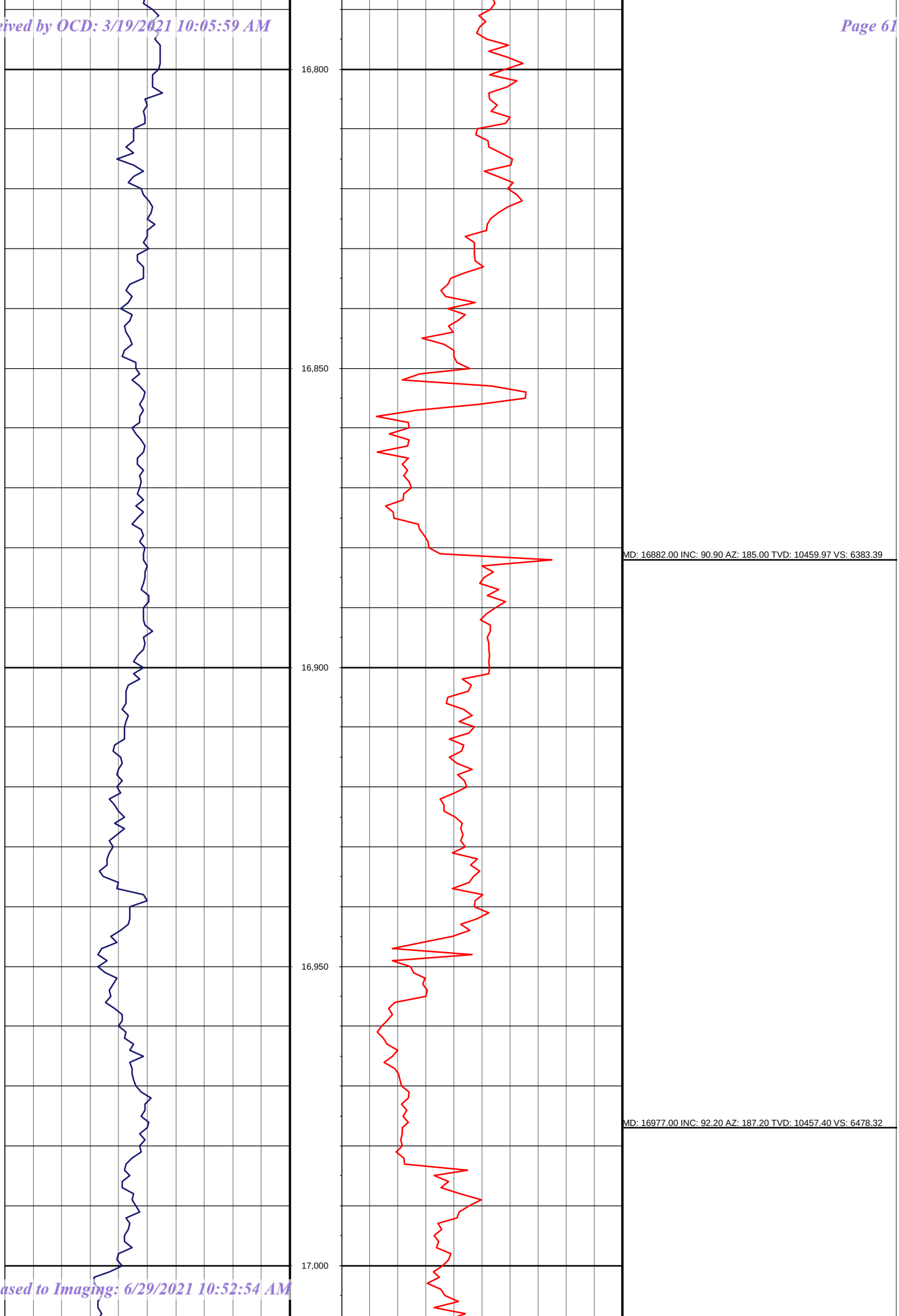
16,650
MD: 16692.00 INC: 90.30 AZ: 183.60 TVD: 10462.13 VS: 6193.42
16,700
16,750
MD: 16787.00 INC: 90.70 AZ: 183.70 TVD: 10461.30 VS: 6288.40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16,850
16,900
16,950
17,000
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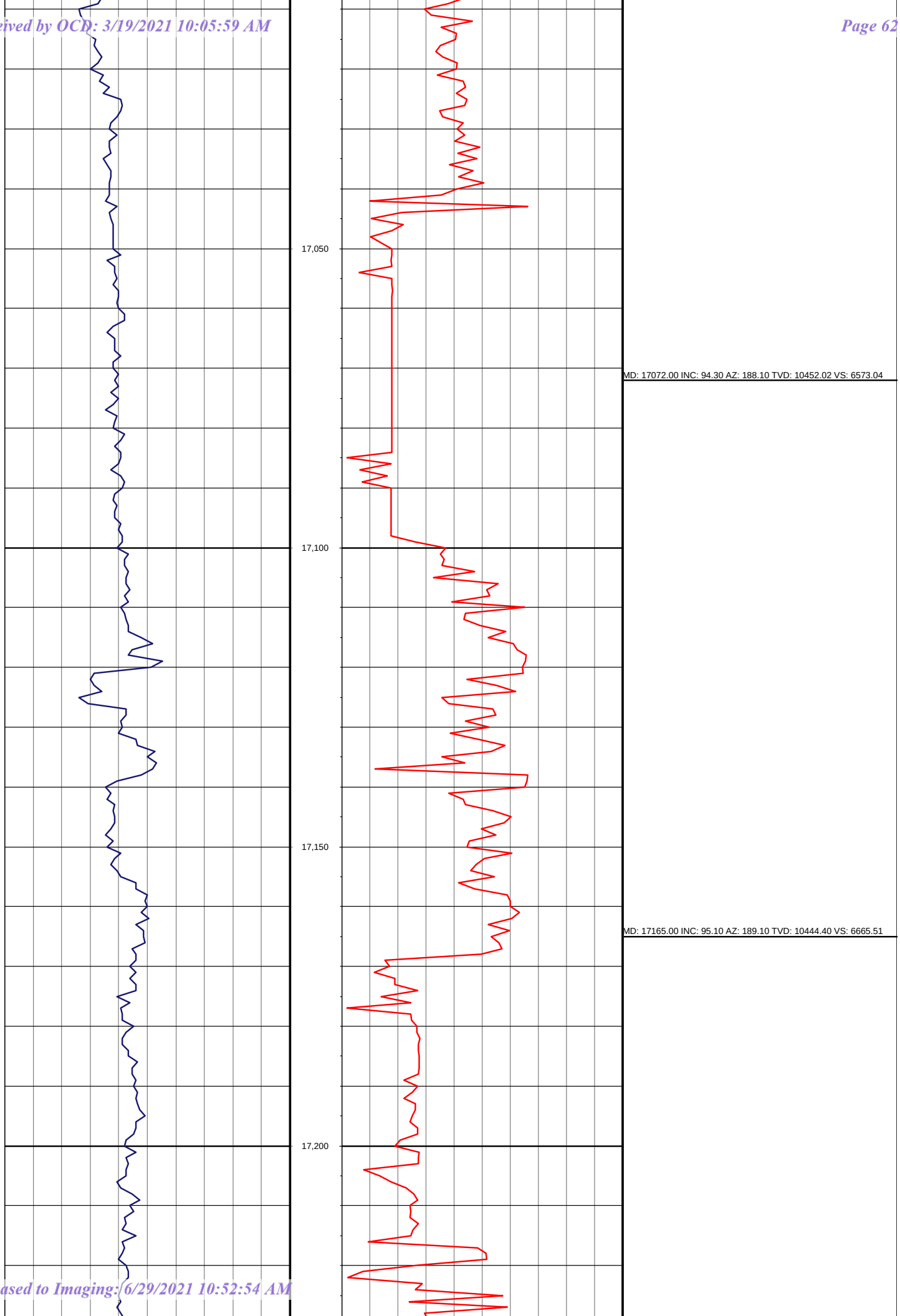
MD: 16977.00 INC: 92.20 AZ: 187.20 TVD: 10457.40 VS: 6478.32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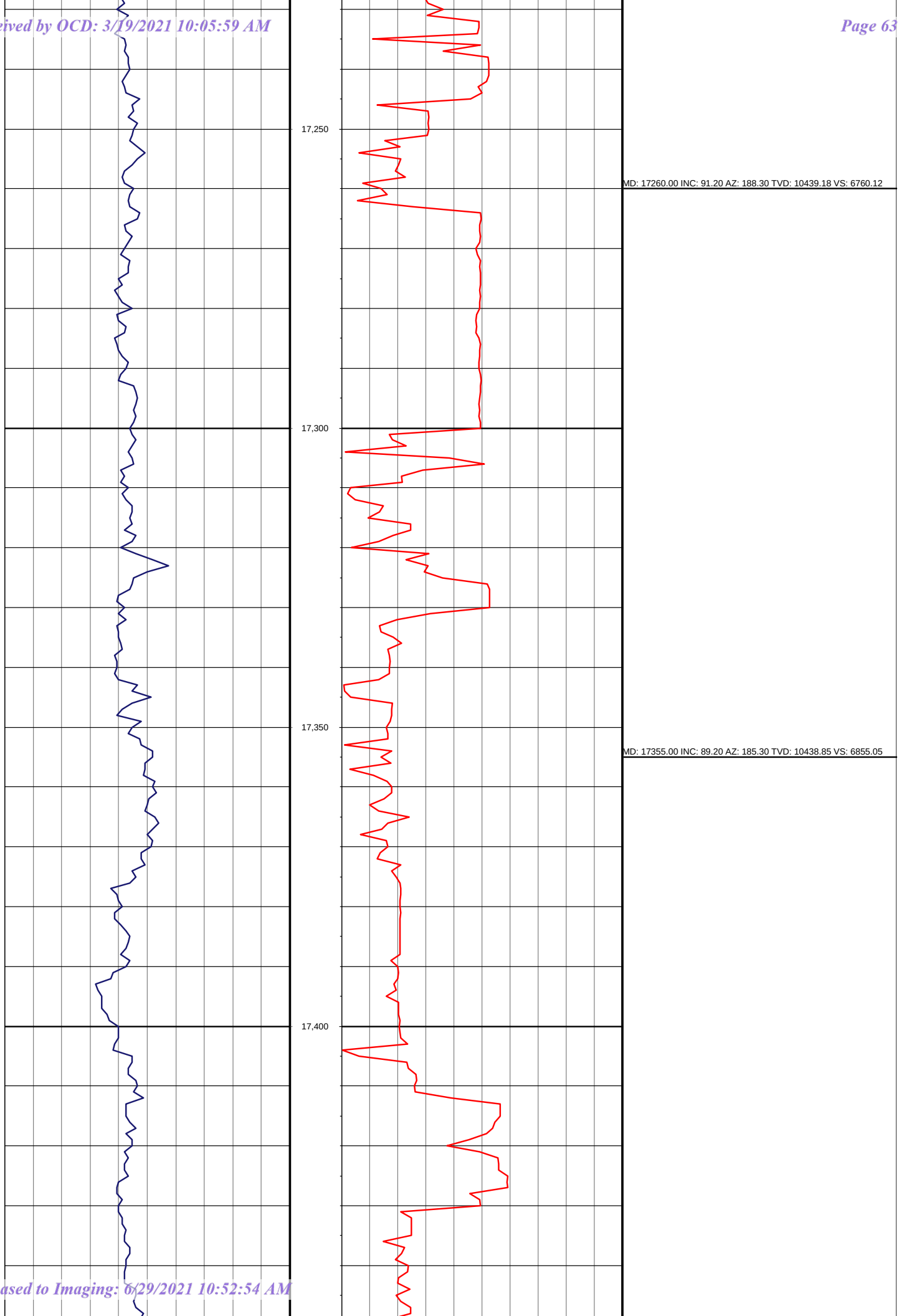
MD: 17165.00 INC: 95.10 AZ: 189.10 TVD: 10444.40 VS: 6665.51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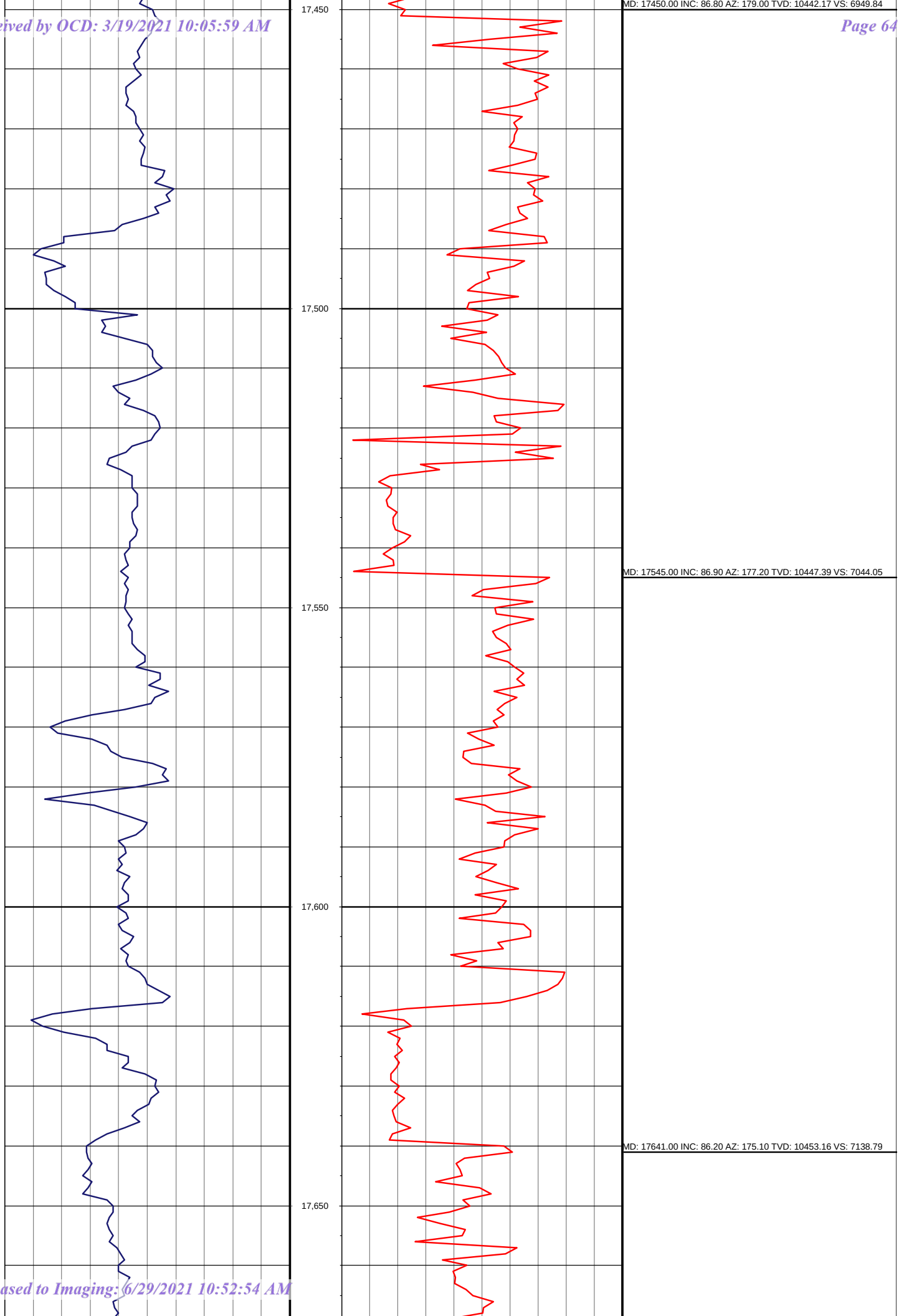
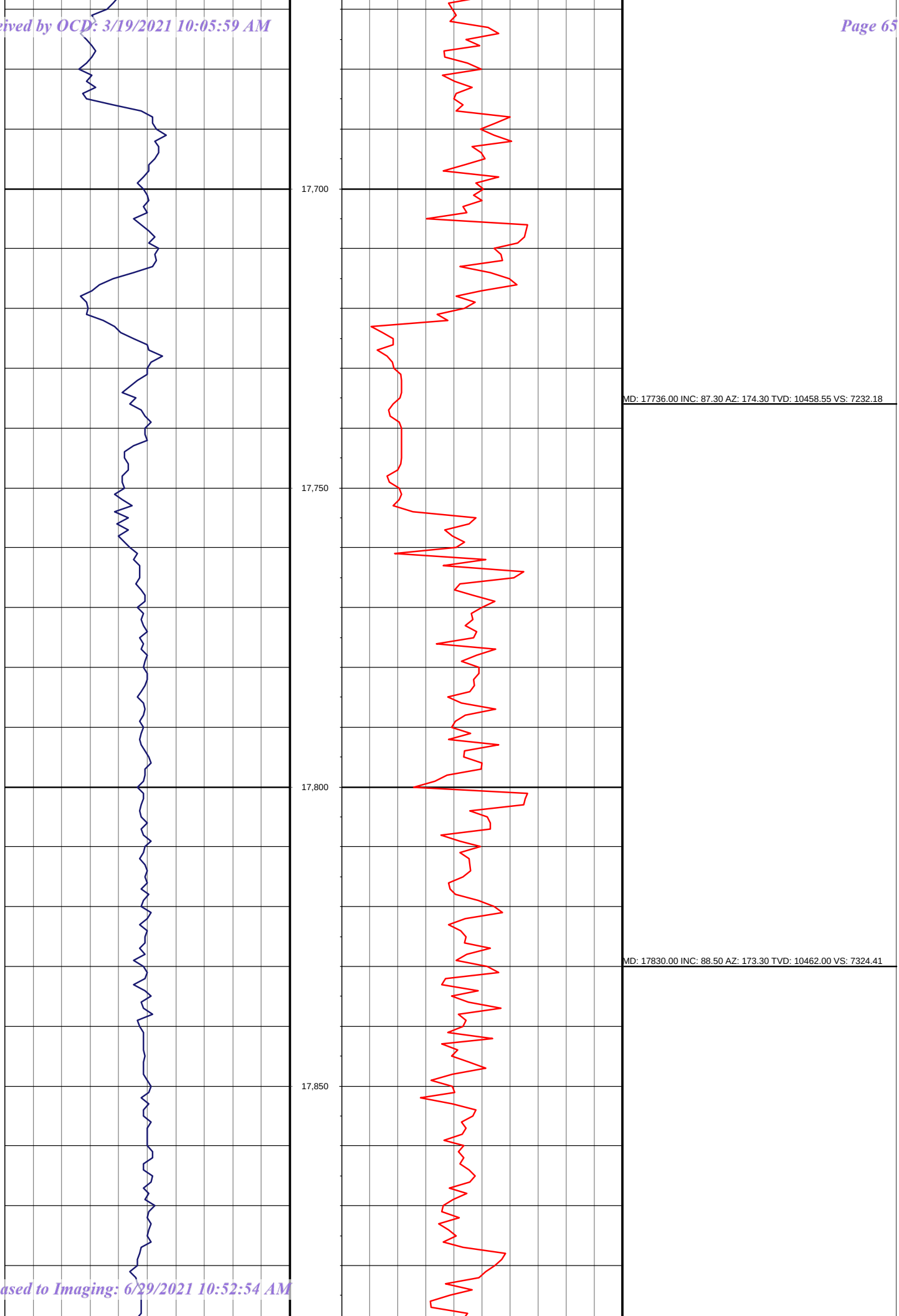
MD: 17355.00 INC: 89.20 AZ: 185.30 TVD: 10438.85 VS: 6855.05

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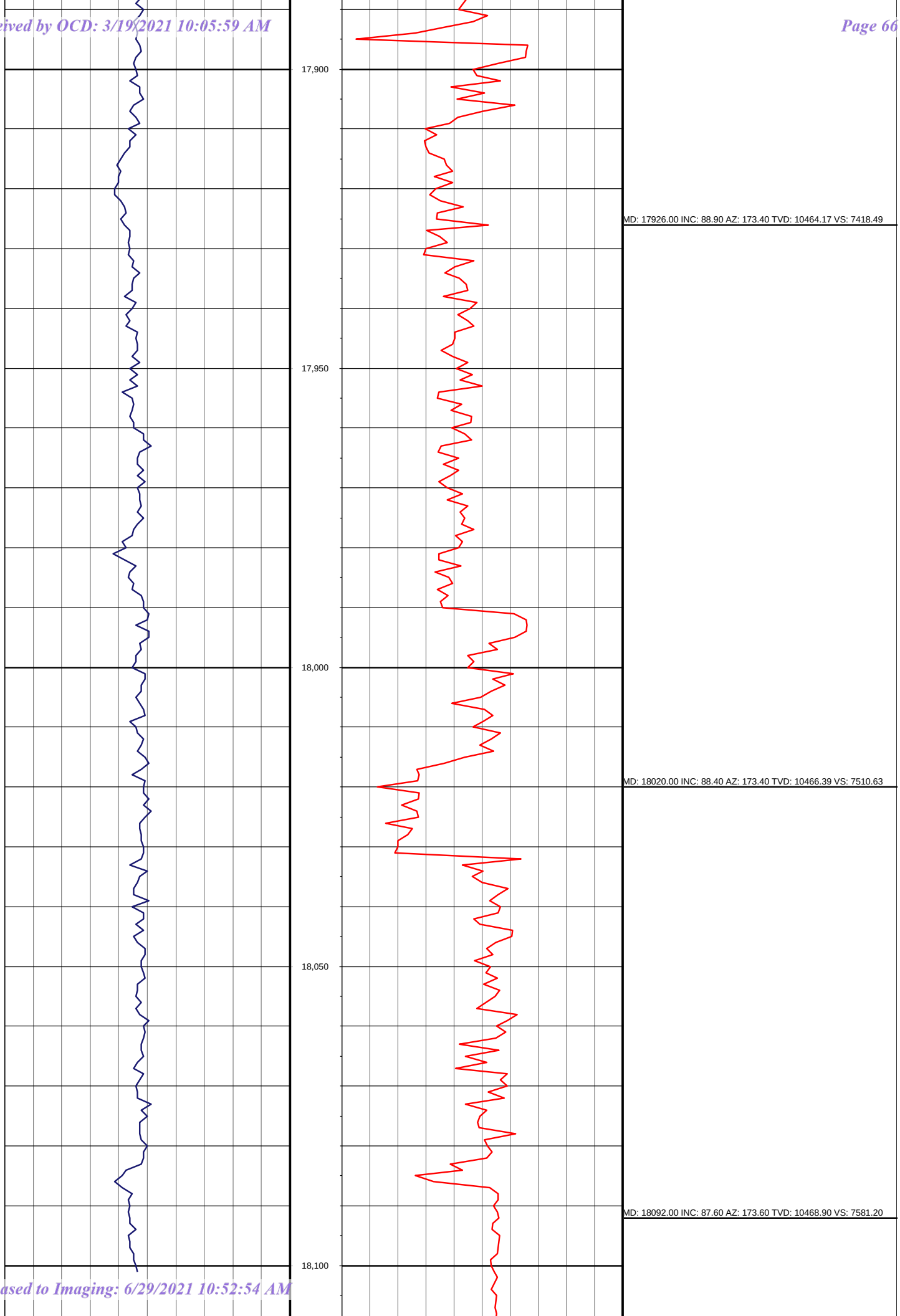
17,750
17,800
17,850
MD: 17736.00 INC: 87.30 AZ: 174.30 TVD: 10458.55 VS: 7232.18
MD: 17830.00 INC: 88.50 AZ: 173.30 TVD: 10462.00 VS: 7324.41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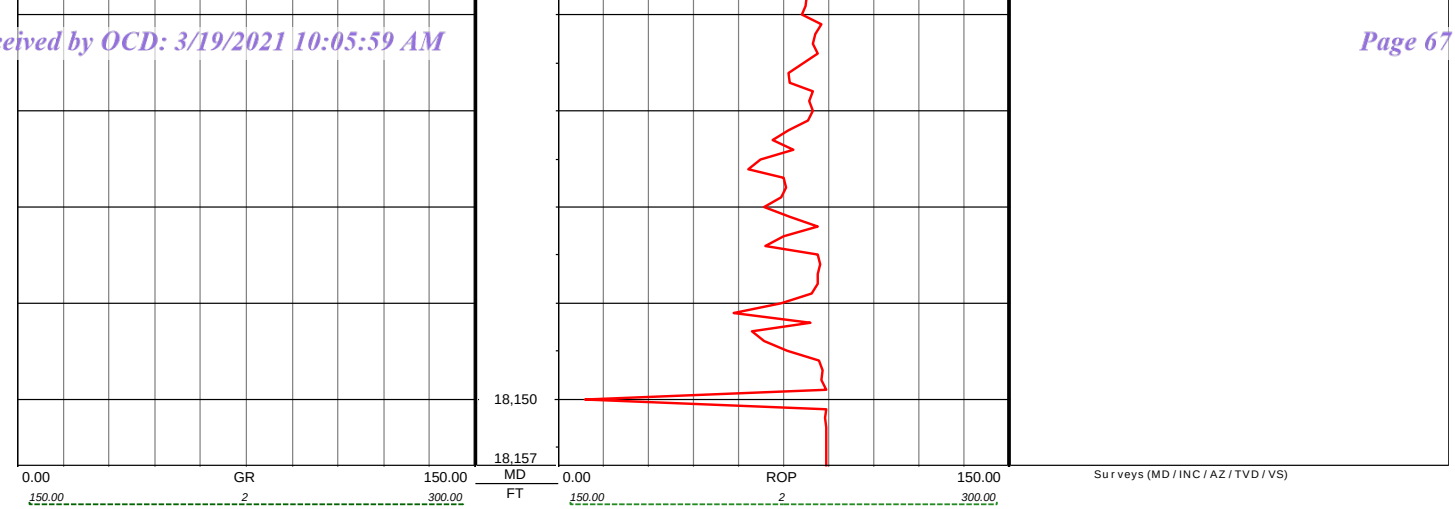
17,950
18,000
18,050
18,100
MD: 17926.00 INC: 88.90 AZ: 173.40 TVD: 10464.17 VS: 7418.49
MD: 18020.00 INC: 88.40 AZ: 173.40 TVD: 10466.39 VS: 7510.63
MD: 18092.00 INC: 87.60 AZ: 173.60 TVD: 10468.90 VS: 7581.20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18,157
0.00
GR
150.00
150.00
2
300.00
MD
FT
0.00
ROP
150.00
150.00
2
300.00
Surveys (MD / INC / AZ / TVD / VS)

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
NMNM26396

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
NORTH RIDGE 8040 FEDERAL COM 3H

2. Name of Operator
BTA OIL PRODUCERS, LLC
Contact: KATY REDDELL
E-Mail: kreddell@btaoil.com

9. API Well No.
30-025-46959

3a. Address
104 S. PECOS
MIDLAND, TX 79701

3b. Phone No. (include area code)
Ph: 432-682-3753

10. Field and Pool or Exploratory Area
ANTELOPE RIDGE-BONESPRING

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 35 T22S R34E NENE 300FNL 1095FEL
32.354599 N Lat, 103.435829 W Lon

11. County or Parish, State
LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Hydraulic Fracture
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

TD @ 18,157' REACHED: 8/18/2020.
9/25/2020 THRU 10/09/2020: PERFORATE AND FRAC BONESPRING: 10,600' - 18,060' WITH 378,482 TOTAL BBLS FLUID; 18,540,380 100 MESH SAND.
10/13/2020: COMPLETE DRILLOUT.
10/17/2020: 2-7/8" L-80 PRODUCTION TUBING @ 10,200' ASIX PACKER @ 10,200'
10/21/2020: START FLOWING BACK AND TESTING.
PBTD= 18,155'

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #537814 verified by the BLM Well Information System
For BTA OIL PRODUCERS, LLC, sent to the Hobbs

Name *(Printed/Typed)* KATY REDDELL — Title REGULATORY ANALYST

Signature (Electronic Submission) — Date 11/17/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMNM26396

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator BTA OIL PRODUCERS, LLC
Contact: KATY REDDELL
E-Mail: kreddell@btaoil.com

8. Lease Name and Well No. NORTH RIDGE 8040 FEDERAL COM 3H

3. Address 104 S. PECOS
MIDLAND, TX 79701

3a. Phone No. (include area code)
Ph: 432-682-3753 Ext: 139

9. API Well No. 30-025-46959

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface Sec 35 T22S R34E Mer NENE 300FNL 1095FEL 32.354599 N Lat, 103.435829 W Lon
At top prod interval reported below Sec 35 T22S R34E Mer NENE 300FNL 1095FEL 32.354599 N Lat, 103.435829 W Lon
At total depth Sec 2 T22S R34E Mer 2600FNL 1780FEL 32.333674 N Lat, 103.438076 W Lon

10. Field and Pool, or Exploratory ANTELOPE RIDGE-BONESPRING

11. Sec., T., R., M., or Block and Survey or Area Sec 35 T22S R34E Mer

12. County or Parish LEA

13. State NM

14. Date Spudded 07/02/2020

15. Date T.D. Reached 08/18/2020

16. Date Completed ☐ D & A ☒ Ready to Prod. 10/21/2020

17. Elevations (DF, KB, RT, GL)* 3407 GL

18. Total Depth: MD 18157 TVD 10471

19. Plug Back T.D.: MD 18155 TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
MWD GAMMA RAY

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5		1813		1275		0	
12.250	9.625 J55	40.0		4747		1880		0	
8.750	5.500 P110	17.0		18157		2565		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	10200	10200						

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	BONESPRING	8569		10600 TO 18060			PERF AND FRAC
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
10600 TO 18060	378,482 TOTAL BBLS; 18,540,380 100 MESH SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/21/2020	11/04/2020	24	→	541.0	711.0	2354.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
34/64	740		→	541	711	2354		POW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #538125 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
BONESPRING	8569		PRODUCING FORMATION	RUSTLER	1770
				TOP SALT	2182
				BASE SALT	3332
				CAPITAN REEF	4262
				DELAWARE	5629
				BELL CANYON	5677
				CHERRY CANYON	6308
				BRUSHY CANYON	7187

32. Additional remarks (include plugging procedure):
BONESPRING LIME: 8569
FIRST BONESPRING SAND: 9649
SECOND BONESPRING SAND: 10184

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #538125 Verified by the BLM Well Information System.
For BTA OIL PRODUCERS, LLC, sent to the Hobbs

Name *(please print)* KATY REDDELL Title REGULATORY ANALYST

Signature (Electronic Submission) Date 11/19/2020

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

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: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 21366
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

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

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CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 21366
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	6/29/2021