

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

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address BTA OIL PRODUCERS, LLC		² OGRID Number 260297	
		³ Reason for Filing Code/ Effective Date NEW WELL 10/10/2020	
⁴ API Number 30 – 025-46059	⁵ Pool Name OJO CHISO; BONE SPRING, SOUTH		⁶ Pool Code 97293
⁷ Property Code 327302	⁸ Property Name SOUTH RIDGE 8030 STATE		⁹ Well Number 1H

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
E	2	22S	34E		2380	NORTH	1125	WEST	

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
M	11	23S	34E		50	SOUTH	400	WEST	
¹² Lse Code F	¹³ Producing Method Code FLOWING		¹⁴ Gas Connection Date 11/12/2020		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

III. Oil and Gas Transporters

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

IV. Well Completion Data

²¹ Spud Date 2/23/2020	²² Ready Date 11/10/2020	²³ TD 17,841’	²⁴ PBSD 17,835’	²⁵ Perforations 10,700’-17,815’	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17 ½”		13 3/8”		2,107’	1,790
12 ¼”		9 5/8”		5,352’	1,385
8 ¾”		5 ½”		17,840’	2,385

V. Well Test Data

³¹ Date New Oil 11/10/2020	³² Gas Delivery Date 11/12/2020	³³ Test Date 11/17/2020	³⁴ Test Length 24	³⁵ Tbg. Pressure 1,400 PSI	³⁶ Csg. Pressure
³⁷ Choke Size 34/64”	³⁸ Oil 758	³⁹ Water 3476	⁴⁰ Gas 937		⁴¹ Test Method 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			OIL CONSERVATION DIVISION Approved by: KURT SIMMONS		
Printed name: KATY REDDELL			Title: NMOCD, SANTA FE		
Title: REGULATORY ANALYST			Approval Date: 06/15/2021		
E-mail Address: kreddell@btaoil.com					
Date: 11/20/2020		Phone: 432-682-3753			

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

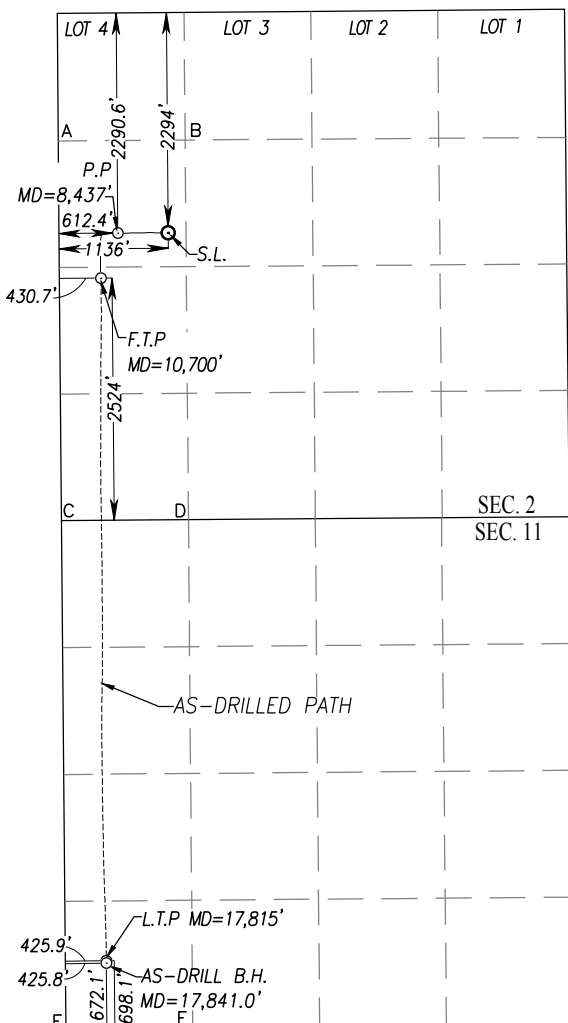
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-46059		Pool Code 97293		Pool Name OJO CHISO; BONE SPRING, SOUTH					
Property Code 352655		Property Name SOUTH RIDGE 8030 2-11 STATE						Well Number 1H	
OGRID No. 260297		Operator Name BTA OIL PRODUCERS, LLC						Elevation 3388'	
Surface Location									
UL or lot No. E	Section 2	Township 23-S	Range 34-E	Lot Idn	Feet from the 2294	North/South line NORTH	Feet from the 1136	East/West line WEST	County LEA
As-Drilled Bottom Hole Location If Different From Surface									
UL or lot No. M	Section 11	Township 23-S	Range 34-E	Lot Idn	Feet from the 672.1	North/South line SOUTH	Feet from the 425.8	East/West line WEST	County LEA
Penetration Point Location									
UL or lot No. E	Section 2	Township 23-S	Range 34-E	Lot Idn	Feet from the 2290.6	North/South line NORTH	Feet from the 612.4	East/West line WEST	County LEA
Dedicated Acres 320		Joint or Infill		Consolidation Code		Order No.			

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



SCALE: 1"=2000'

GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 486597.5 N X= 815479.8 E LAT.=32.334606° N LONG.=103.445746° W PENETRATION POINT NAD 83 NME Y= 486596.5 N X= 814956.4 E LAT.=32.334615° N LONG.=103.447441° W FIRST TAKE POINT NAD 83 NME Y= 486126.5 N X= 814778.6 E LAT.=32.333327° N LONG.=103.448029° W	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 486537.4 N X= 774296.2 E LAT.=32.334482° N LONG.=103.445268° W PENETRATION POINT NAD 27 NME Y= 486536.4 N X= 773772.8 E LAT.=32.334491° N LONG.=103.446963° W FIRST TAKE POINT NAD 27 NME Y= 486066.5 N X= 773595.0 E LAT.=32.333203° N LONG.=103.447551° W
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CORNER COORDINATES TABLE

NAD 27 NME

A - Y= 487494.5 N, X= 773152.7 E
B - Y= 487503.7 N, X= 774473.8 E
C - Y= 483539.8 N, X= 773186.3 E
D - Y= 483549.8 N, X= 774508.0 E
E - Y= 478255.9 N, X= 773233.1 E
F - Y= 478267.0 N, X= 774553.5 E

CORNER COORDINATES TABLE

NAD 83 NME

A - Y= 487554.6 N, X= 814336.3 E
B - Y= 487563.8 N, X= 815657.4 E
C - Y= 483599.8 N, X= 814370.0 E
D - Y= 483609.8 N, X= 815691.7 E
E - Y= 478315.7 N, X= 814416.9 E
F - Y= 478326.8 N, X= 815737.3 E

LAST TAKE POINT NAD 83 NME Y= 479017.3 N X= 814836.2 E LAT.=32.313786° N LONG.=103.448032° W	LAST TAKE POINT NAD 27 NME Y= 478957.4 N X= 773652.4 E LAT.=32.313662° N LONG.=103.447555° W
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AS-DRILLED BOTTOM HOLE LOCATION NAD 83 NME Y= 478991.3 N X= 814836.4 E LAT.=32.313715° N LONG.=103.448032° W	AS-DRILLED BOTTOM HOLE LOCATION NAD 27 NME Y= 478931.4 N X= 773652.6 E LAT.=32.313590° N LONG.=103.447555° W
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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 3 19 21

Signature Date

KATY REDDELL

Printed Name

kreddell@btaoil.com

E-mail Address

SURVEYOR CERTIFICATION

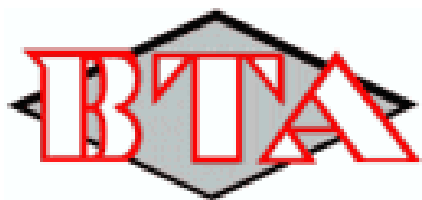
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey 3239
Signature & Seal of Professional Surveyor:

Ronald J. Eidson 12/16/2020

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

ACK REL. W.O.:20110054 JWSC W.O.: 20.13.0551



BTA Oil Producers, LLC

Lea County, NM (NAD 83)

Sec 2, T23-S, R34-E

South Ridge 8030 2-11 State #1H

Wellbore #1

Design: Wellbore #1

Survey Report - Geographic

15 May, 2020





QES
Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well South Ridge 8030 2-11 State #1H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3412.0usft (Patterson #594)
Site:	Sec 2, T23-S, R34-E	MD Reference:	WELL @ 3412.0usft (Patterson #594)
Well:	South Ridge 8030 2-11 State #1H	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 2, T23-S, R34-E		
Site Position:		Northing:	486,597.20 usft
From:	Map	Easting:	815,468.90 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 20' 4.579 N
		Longitude:	103° 26' 44.813 W
		Grid Convergence:	0.47 °

Well	South Ridge 8030 2-11 State #1H		
Well Position	+N/-S	0.0 usft	Northing: 486,597.20 usft
	+E/-W	0.0 usft	Easting: 815,468.90 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 20' 4.579 N
		Longitude:	103° 26' 44.813 W
		Ground Level:	3,387.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM2020	2/13/2020	6.57
	User Defined	2/29/2020	6.35
			Dip Angle (°)
			60.08
			60.10
			Field Strength (nT)
			47,928.60000000
			47,863.40000000

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)
	0.0	0.0	0.0
			Direction (°)
			184.53

Survey Program	Date	5/15/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
295.0	17,841.0	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	486,597.20	815,468.90	32° 20' 4.579 N	103° 26' 44.813 W
295.0	0.22	92.00	295.0	0.0	0.6	486,597.18	815,469.46	32° 20' 4.579 N	103° 26' 44.806 W
First MWD Survey @ 295.0' MD / 295.0' TVD									
440.0	0.30	170.35	440.0	-0.4	0.9	486,596.80	815,469.81	32° 20' 4.575 N	103° 26' 44.802 W
561.0	1.00	275.76	561.0	-0.6	-0.1	486,596.59	815,468.81	32° 20' 4.573 N	103° 26' 44.814 W
682.0	0.73	310.11	682.0	0.0	-1.7	486,597.19	815,467.17	32° 20' 4.579 N	103° 26' 44.833 W
806.0	0.66	5.27	806.0	1.2	-2.3	486,598.41	815,466.63	32° 20' 4.592 N	103° 26' 44.839 W
963.0	1.30	69.49	963.0	2.7	-0.5	486,599.94	815,468.38	32° 20' 4.606 N	103° 26' 44.819 W
1,057.0	1.84	68.57	1,056.9	3.7	1.9	486,600.86	815,470.78	32° 20' 4.615 N	103° 26' 44.790 W
1,152.0	2.68	70.64	1,151.8	5.0	5.4	486,602.16	815,474.30	32° 20' 4.628 N	103° 26' 44.749 W
1,247.0	3.05	77.79	1,246.7	6.2	10.0	486,603.43	815,478.87	32° 20' 4.640 N	103° 26' 44.696 W



QES

Survey Report - Geographic



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Site:	Sec 2, T23-S, R34-E	MD Reference:	WELL @ 3412.0usft (Patterson #594)
Well:	South Ridge 8030 2-11 State #1H	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
1,354.0	3.19	86.99	1,353.6	7.0	15.7	486,604.19	815,484.62	32° 20' 4.647 N	103° 26' 44.629 W
1,449.0	2.01	108.33	1,448.5	6.6	19.9	486,603.80	815,488.84	32° 20' 4.643 N	103° 26' 44.580 W
1,543.0	2.80	214.49	1,542.4	4.2	20.2	486,601.39	815,489.11	32° 20' 4.619 N	103° 26' 44.577 W
1,638.0	4.27	248.24	1,637.2	1.0	15.6	486,598.16	815,484.51	32° 20' 4.588 N	103° 26' 44.631 W
1,733.0	2.47	265.94	1,732.1	-0.5	10.3	486,596.71	815,479.18	32° 20' 4.574 N	103° 26' 44.693 W
1,827.0	1.04	305.20	1,826.0	-0.1	7.6	486,597.06	815,476.46	32° 20' 4.577 N	103° 26' 44.725 W
1,920.0	1.30	329.15	1,919.0	1.2	6.3	486,598.45	815,475.23	32° 20' 4.591 N	103° 26' 44.739 W
2,015.0	1.41	331.99	2,014.0	3.2	5.2	486,600.41	815,474.13	32° 20' 4.611 N	103° 26' 44.751 W
2,055.0	1.52	344.44	2,054.0	4.2	4.9	486,601.35	815,473.76	32° 20' 4.620 N	103° 26' 44.756 W
2,136.0	1.53	344.79	2,134.9	6.2	4.3	486,603.43	815,473.19	32° 20' 4.641 N	103° 26' 44.762 W
2,231.0	0.60	117.46	2,229.9	7.2	4.4	486,604.42	815,473.29	32° 20' 4.650 N	103° 26' 44.761 W
2,324.0	1.31	128.38	2,322.9	6.3	5.7	486,603.54	815,474.56	32° 20' 4.642 N	103° 26' 44.746 W
2,418.0	0.63	210.87	2,416.9	5.2	6.2	486,602.43	815,475.14	32° 20' 4.631 N	103° 26' 44.740 W
2,513.0	1.42	264.61	2,511.9	4.7	4.8	486,601.87	815,473.70	32° 20' 4.625 N	103° 26' 44.756 W
2,608.0	1.20	275.86	2,606.9	4.7	2.6	486,601.86	815,471.54	32° 20' 4.625 N	103° 26' 44.782 W
2,703.0	1.23	279.86	2,701.9	4.9	0.6	486,602.14	815,469.54	32° 20' 4.628 N	103° 26' 44.805 W
2,797.0	1.48	233.86	2,795.8	4.4	-1.3	486,601.59	815,467.57	32° 20' 4.623 N	103° 26' 44.828 W
2,891.0	1.45	236.28	2,889.8	3.0	-3.3	486,600.22	815,465.60	32° 20' 4.609 N	103° 26' 44.851 W
2,986.0	1.14	244.50	2,984.8	1.9	-5.2	486,599.14	815,463.74	32° 20' 4.599 N	103° 26' 44.873 W
3,080.0	0.97	252.07	3,078.8	1.3	-6.8	486,598.50	815,462.14	32° 20' 4.593 N	103° 26' 44.891 W
3,175.0	0.97	255.88	3,173.7	0.9	-8.3	486,598.05	815,460.60	32° 20' 4.588 N	103° 26' 44.909 W
3,269.0	0.99	255.31	3,267.7	0.5	-9.9	486,597.65	815,459.04	32° 20' 4.585 N	103° 26' 44.928 W
3,363.0	0.77	256.16	3,361.7	0.1	-11.3	486,597.30	815,457.64	32° 20' 4.581 N	103° 26' 44.944 W
3,458.0	1.61	238.58	3,456.7	-0.8	-13.0	486,596.45	815,455.88	32° 20' 4.573 N	103° 26' 44.965 W
3,552.0	2.06	231.79	3,550.7	-2.5	-15.5	486,594.71	815,453.43	32° 20' 4.556 N	103° 26' 44.993 W
3,647.0	1.83	234.28	3,645.6	-4.4	-18.0	486,592.77	815,450.86	32° 20' 4.537 N	103° 26' 45.023 W
3,743.0	1.85	234.14	3,741.5	-6.2	-20.5	486,590.97	815,448.36	32° 20' 4.519 N	103° 26' 45.053 W
3,837.0	1.89	232.28	3,835.5	-8.1	-23.0	486,589.13	815,445.90	32° 20' 4.501 N	103° 26' 45.082 W
3,932.0	2.33	252.56	3,930.4	-9.6	-26.1	486,587.60	815,442.82	32° 20' 4.486 N	103° 26' 45.118 W
4,027.0	2.43	256.92	4,025.4	-10.6	-29.9	486,586.56	815,439.01	32° 20' 4.476 N	103° 26' 45.162 W
4,121.0	0.64	318.14	4,119.3	-10.7	-32.2	486,586.50	815,436.72	32° 20' 4.476 N	103° 26' 45.189 W
4,216.0	0.85	7.79	4,214.3	-9.6	-32.4	486,587.59	815,436.46	32° 20' 4.487 N	103° 26' 45.192 W
4,311.0	0.72	1.13	4,309.3	-8.3	-32.3	486,588.89	815,436.57	32° 20' 4.500 N	103° 26' 45.190 W
4,406.0	0.81	6.90	4,404.3	-7.0	-32.2	486,590.15	815,436.66	32° 20' 4.512 N	103° 26' 45.189 W
4,501.0	1.04	358.40	4,499.3	-5.5	-32.2	486,591.68	815,436.72	32° 20' 4.527 N	103° 26' 45.188 W
4,595.0	0.20	45.98	4,593.3	-4.6	-32.1	486,592.65	815,436.81	32° 20' 4.537 N	103° 26' 45.187 W
4,689.0	0.36	114.24	4,687.3	-4.6	-31.7	486,592.64	815,437.20	32° 20' 4.537 N	103° 26' 45.183 W
4,784.0	0.23	78.95	4,782.3	-4.6	-31.2	486,592.55	815,437.66	32° 20' 4.536 N	103° 26' 45.177 W
4,878.0	0.18	73.55	4,876.3	-4.6	-30.9	486,592.63	815,437.99	32° 20' 4.537 N	103° 26' 45.173 W
4,973.0	0.05	99.85	4,971.3	-4.5	-30.7	486,592.67	815,438.17	32° 20' 4.537 N	103° 26' 45.171 W
5,067.0	0.14	151.97	5,065.3	-4.6	-30.6	486,592.56	815,438.27	32° 20' 4.536 N	103° 26' 45.170 W
5,162.0	0.17	147.34	5,160.3	-4.9	-30.5	486,592.34	815,438.40	32° 20' 4.534 N	103° 26' 45.169 W
5,257.0	0.14	117.12	5,255.3	-5.0	-30.3	486,592.17	815,438.58	32° 20' 4.532 N	103° 26' 45.167 W
5,307.0	0.17	133.44	5,305.3	-5.1	-30.2	486,592.09	815,438.68	32° 20' 4.531 N	103° 26' 45.165 W
5,406.0	0.30	352.58	5,404.3	-5.0	-30.1	486,592.24	815,438.76	32° 20' 4.533 N	103° 26' 45.165 W
5,501.0	0.32	318.42	5,499.3	-4.5	-30.3	486,592.69	815,438.55	32° 20' 4.537 N	103° 26' 45.167 W
5,595.0	3.33	275.97	5,593.2	-4.0	-33.2	486,593.17	815,435.66	32° 20' 4.542 N	103° 26' 45.201 W
5,689.0	7.40	268.07	5,686.8	-4.0	-42.0	486,593.25	815,426.89	32° 20' 4.544 N	103° 26' 45.303 W
5,784.0	10.46	274.27	5,780.6	-3.5	-56.7	486,593.69	815,412.17	32° 20' 4.549 N	103° 26' 45.474 W
5,879.0	10.33	273.00	5,874.1	-2.4	-73.8	486,594.77	815,395.07	32° 20' 4.561 N	103° 26' 45.673 W
5,973.0	10.21	273.08	5,966.6	-1.5	-90.6	486,595.66	815,378.33	32° 20' 4.572 N	103° 26' 45.868 W
6,068.0	10.54	272.10	6,060.0	-0.8	-107.7	486,596.43	815,361.24	32° 20' 4.581 N	103° 26' 46.068 W
6,163.0	10.34	272.77	6,153.4	0.0	-124.9	486,597.16	815,344.04	32° 20' 4.589 N	103° 26' 46.268 W
6,257.0	10.21	272.36	6,245.9	0.7	-141.6	486,597.91	815,327.29	32° 20' 4.598 N	103° 26' 46.463 W
6,352.0	10.54	271.49	6,339.4	1.3	-158.7	486,598.49	815,310.19	32° 20' 4.605 N	103° 26' 46.662 W



QES
Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well South Ridge 8030 2-11 State #1H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3412.0usft (Patterson #594)
Site:	Sec 2, T23-S, R34-E	MD Reference:	WELL @ 3412.0usft (Patterson #594)
Well:	South Ridge 8030 2-11 State #1H	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
6,447.0	10.23	271.25	6,432.8	1.7	-175.8	486,598.90	815,293.07	32° 20' 4.611 N	103° 26' 46.862 W
6,541.0	9.87	269.33	6,525.4	1.8	-192.2	486,598.98	815,276.67	32° 20' 4.613 N	103° 26' 47.053 W
6,635.0	9.79	269.90	6,618.0	1.7	-208.3	486,598.88	815,260.62	32° 20' 4.613 N	103° 26' 47.240 W
6,730.0	9.63	268.15	6,711.6	1.4	-224.3	486,598.61	815,244.61	32° 20' 4.612 N	103° 26' 47.427 W
6,825.0	9.24	266.78	6,805.3	0.7	-239.8	486,597.92	815,229.05	32° 20' 4.606 N	103° 26' 47.608 W
6,920.0	9.19	266.82	6,899.1	-0.1	-255.0	486,597.07	815,213.86	32° 20' 4.599 N	103° 26' 47.785 W
7,014.0	10.79	270.80	6,991.7	-0.4	-271.3	486,596.78	815,197.57	32° 20' 4.597 N	103° 26' 47.975 W
7,108.0	11.30	270.70	7,083.9	-0.2	-289.3	486,597.01	815,179.56	32° 20' 4.601 N	103° 26' 48.185 W
7,204.0	10.95	269.94	7,178.1	-0.1	-307.9	486,597.12	815,161.04	32° 20' 4.604 N	103° 26' 48.401 W
7,298.0	10.85	270.35	7,270.4	0.0	-325.6	486,597.16	815,143.26	32° 20' 4.606 N	103° 26' 48.608 W
7,393.0	9.76	268.50	7,363.9	-0.2	-342.6	486,597.01	815,126.27	32° 20' 4.605 N	103° 26' 48.806 W
7,487.0	9.56	268.53	7,456.6	-0.6	-358.4	486,596.60	815,110.50	32° 20' 4.603 N	103° 26' 48.990 W
7,582.0	11.53	268.25	7,550.0	-1.1	-375.8	486,596.11	815,093.12	32° 20' 4.599 N	103° 26' 49.192 W
7,676.0	11.28	267.55	7,642.1	-1.8	-394.3	486,595.43	815,074.55	32° 20' 4.594 N	103° 26' 49.409 W
7,771.0	10.90	267.09	7,735.3	-2.6	-412.6	486,594.57	815,056.30	32° 20' 4.587 N	103° 26' 49.622 W
7,865.0	10.19	268.00	7,827.8	-3.4	-429.8	486,593.83	815,039.11	32° 20' 4.581 N	103° 26' 49.822 W
7,960.0	9.48	267.92	7,921.4	-3.9	-446.0	486,593.25	815,022.89	32° 20' 4.577 N	103° 26' 50.011 W
8,055.0	8.78	267.06	8,015.2	-4.6	-461.1	486,592.60	815,007.83	32° 20' 4.572 N	103° 26' 50.187 W
8,149.0	9.97	274.07	8,107.9	-4.4	-476.3	486,592.81	814,992.55	32° 20' 4.575 N	103° 26' 50.365 W
8,243.0	9.90	274.14	8,200.5	-3.2	-492.5	486,593.97	814,976.38	32° 20' 4.588 N	103° 26' 50.553 W
8,338.0	9.17	273.94	8,294.2	-2.1	-508.2	486,595.08	814,960.68	32° 20' 4.600 N	103° 26' 50.736 W
8,432.0	8.58	274.10	8,387.1	-1.1	-522.7	486,596.09	814,946.21	32° 20' 4.611 N	103° 26' 50.905 W
8,527.0	10.07	273.50	8,480.8	-0.1	-538.0	486,597.11	814,930.85	32° 20' 4.622 N	103° 26' 51.083 W
8,621.0	9.75	273.40	8,573.4	0.9	-554.2	486,598.08	814,914.70	32° 20' 4.633 N	103° 26' 51.272 W
8,715.0	8.21	273.47	8,666.2	1.8	-568.8	486,598.96	814,900.06	32° 20' 4.643 N	103° 26' 51.442 W
8,810.0	7.01	269.07	8,760.4	2.1	-581.4	486,599.28	814,887.49	32° 20' 4.647 N	103° 26' 51.589 W
8,904.0	8.12	269.03	8,853.6	1.9	-593.8	486,599.07	814,875.12	32° 20' 4.646 N	103° 26' 51.733 W
8,998.0	7.71	266.47	8,946.7	1.4	-606.7	486,598.57	814,862.19	32° 20' 4.643 N	103° 26' 51.884 W
9,093.0	7.68	264.83	9,040.8	0.4	-619.4	486,597.61	814,849.50	32° 20' 4.634 N	103° 26' 52.031 W
9,187.0	8.01	262.11	9,133.9	-1.1	-632.1	486,596.14	814,836.76	32° 20' 4.621 N	103° 26' 52.180 W
9,282.0	8.07	258.04	9,228.0	-3.4	-645.2	486,593.85	814,823.68	32° 20' 4.599 N	103° 26' 52.333 W
9,376.0	8.06	253.75	9,321.1	-6.6	-658.0	486,590.64	814,810.90	32° 20' 4.568 N	103° 26' 52.482 W
9,471.0	5.60	247.31	9,415.4	-10.2	-668.7	486,586.99	814,800.23	32° 20' 4.533 N	103° 26' 52.607 W
9,565.0	4.24	242.07	9,509.1	-13.6	-676.0	486,583.59	814,792.93	32° 20' 4.500 N	103° 26' 52.692 W
9,661.0	3.59	237.14	9,604.8	-16.9	-681.6	486,580.30	814,787.26	32° 20' 4.468 N	103° 26' 52.758 W
9,756.0	2.07	261.44	9,699.7	-18.8	-685.8	486,578.43	814,783.07	32° 20' 4.450 N	103° 26' 52.808 W
9,850.0	1.81	259.84	9,793.7	-19.3	-689.0	486,577.91	814,779.93	32° 20' 4.445 N	103° 26' 52.844 W
9,877.0	1.86	257.25	9,820.7	-19.5	-689.8	486,577.74	814,779.08	32° 20' 4.443 N	103° 26' 52.854 W
9,967.0	6.14	203.45	9,910.4	-24.2	-693.2	486,573.00	814,775.74	32° 20' 4.397 N	103° 26' 52.894 W
10,062.0	15.26	193.78	10,003.7	-41.0	-698.2	486,556.16	814,770.73	32° 20' 4.230 N	103° 26' 52.954 W
10,157.0	22.14	184.37	10,093.6	-71.1	-702.5	486,526.13	814,766.38	32° 20' 3.934 N	103° 26' 53.007 W
10,252.0	30.43	179.77	10,178.8	-113.1	-703.8	486,484.14	814,765.11	32° 20' 3.518 N	103° 26' 53.026 W
10,346.0	38.76	179.37	10,256.1	-166.4	-703.4	486,430.82	814,765.53	32° 20' 2.991 N	103° 26' 53.026 W
10,441.0	50.87	179.85	10,323.3	-233.2	-702.9	486,363.99	814,765.96	32° 20' 2.329 N	103° 26' 53.028 W
10,535.0	64.07	181.23	10,373.8	-312.3	-703.8	486,284.92	814,765.14	32° 20' 1.547 N	103° 26' 53.045 W
10,588.6	72.13	179.55	10,393.7	-362.0	-704.1	486,235.23	814,764.82	32° 20' 1.055 N	103° 26' 53.053 W
LL Crossed @ 10588.6' MD / 10393.7' TVD									
10,629.0	78.22	178.38	10,404.1	-401.0	-703.4	486,196.20	814,765.54	32° 20' 0.669 N	103° 26' 53.049 W
10,690.8	82.75	178.23	10,414.3	-461.9	-701.6	486,135.29	814,767.34	32° 20' 0.066 N	103° 26' 53.034 W
100' PA Crossed @ 10690.8' MD / 10414.3' TVD									
10,760.0	87.83	178.07	10,420.0	-530.8	-699.3	486,066.38	814,769.56	32° 19' 59.384 N	103° 26' 53.014 W
10,841.0	90.77	179.02	10,421.0	-611.8	-697.3	485,985.43	814,771.62	32° 19' 58.583 N	103° 26' 52.998 W
10,935.0	91.50	179.55	10,419.1	-705.7	-696.1	485,891.45	814,772.79	32° 19' 57.653 N	103° 26' 52.994 W
11,030.0	92.48	179.61	10,415.8	-800.7	-695.4	485,796.51	814,773.49	32° 19' 56.714 N	103° 26' 52.995 W
11,124.0	91.38	180.63	10,412.6	-894.6	-695.6	485,702.57	814,773.29	32° 19' 55.784 N	103° 26' 53.006 W



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Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well South Ridge 8030 2-11 State #1H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3412.0usft (Patterson #594)
Site:	Sec 2, T23-S, R34-E	MD Reference:	WELL @ 3412.0usft (Patterson #594)
Well:	South Ridge 8030 2-11 State #1H	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
11,219.0	91.39	180.55	10,410.3	-989.6	-696.6	485,607.60	814,772.31	32° 19' 54.845 N	103° 26' 53.026 W
11,314.0	91.92	180.47	10,407.6	-1,084.6	-697.4	485,512.65	814,771.47	32° 19' 53.905 N	103° 26' 53.045 W
11,408.0	92.87	180.53	10,403.7	-1,178.5	-698.2	485,418.73	814,770.65	32° 19' 52.976 N	103° 26' 53.064 W
11,503.0	93.80	180.60	10,398.1	-1,273.3	-699.2	485,323.90	814,769.71	32° 19' 52.038 N	103° 26' 53.084 W
11,598.0	94.52	180.59	10,391.2	-1,368.0	-700.2	485,229.16	814,768.73	32° 19' 51.100 N	103° 26' 53.105 W
11,692.0	92.59	180.14	10,385.4	-1,461.9	-700.8	485,135.34	814,768.13	32° 19' 50.172 N	103° 26' 53.121 W
11,788.0	90.77	180.04	10,382.6	-1,557.8	-700.9	485,039.39	814,767.98	32° 19' 49.223 N	103° 26' 53.132 W
11,882.0	90.71	179.85	10,381.4	-1,651.8	-700.8	484,945.40	814,768.07	32° 19' 48.293 N	103° 26' 53.140 W
11,976.0	91.16	179.82	10,379.8	-1,745.8	-700.6	484,851.41	814,768.34	32° 19' 47.363 N	103° 26' 53.146 W
12,070.0	91.86	180.04	10,377.4	-1,839.8	-700.4	484,757.44	814,768.46	32° 19' 46.433 N	103° 26' 53.153 W
12,164.0	92.23	180.03	10,374.0	-1,933.7	-700.5	484,663.50	814,768.40	32° 19' 45.503 N	103° 26' 53.163 W
12,259.0	90.04	180.02	10,372.1	-2,028.7	-700.5	484,568.53	814,768.36	32° 19' 44.564 N	103° 26' 53.173 W
12,353.0	90.35	180.27	10,371.8	-2,122.7	-700.8	484,474.53	814,768.12	32° 19' 43.633 N	103° 26' 53.184 W
12,448.0	87.89	180.75	10,373.3	-2,217.6	-701.6	484,379.55	814,767.27	32° 19' 42.694 N	103° 26' 53.203 W
12,543.0	88.19	180.29	10,376.5	-2,312.6	-702.5	484,284.61	814,766.41	32° 19' 41.754 N	103° 26' 53.223 W
12,637.0	88.14	179.81	10,379.5	-2,406.5	-702.6	484,190.66	814,766.33	32° 19' 40.825 N	103° 26' 53.233 W
12,732.0	88.39	179.60	10,382.4	-2,501.5	-702.1	484,095.70	814,766.82	32° 19' 39.885 N	103° 26' 53.236 W
12,827.0	87.13	179.22	10,386.1	-2,596.4	-701.1	484,000.78	814,767.80	32° 19' 38.946 N	103° 26' 53.234 W
12,922.0	87.13	179.05	10,390.9	-2,691.3	-699.7	483,905.91	814,769.23	32° 19' 38.007 N	103° 26' 53.226 W
13,016.0	86.74	178.91	10,395.9	-2,785.1	-698.0	483,812.06	814,770.90	32° 19' 37.078 N	103° 26' 53.216 W
13,110.0	86.96	178.92	10,401.1	-2,879.0	-696.2	483,718.22	814,772.68	32° 19' 36.150 N	103° 26' 53.204 W
13,204.0	88.45	179.12	10,404.8	-2,972.9	-694.6	483,624.31	814,774.28	32° 19' 35.220 N	103° 26' 53.194 W
13,299.0	87.89	179.21	10,407.9	-3,067.8	-693.2	483,529.37	814,775.67	32° 19' 34.281 N	103° 26' 53.187 W
13,393.0	88.39	179.30	10,410.9	-3,161.8	-692.0	483,435.43	814,776.89	32° 19' 33.351 N	103° 26' 53.182 W
13,487.0	89.06	179.32	10,413.0	-3,255.7	-690.9	483,341.46	814,778.02	32° 19' 32.421 N	103° 26' 53.178 W
13,582.0	89.65	179.19	10,414.1	-3,350.7	-689.6	483,246.48	814,779.26	32° 19' 31.481 N	103° 26' 53.173 W
13,676.0	90.35	179.27	10,414.1	-3,444.7	-688.4	483,152.49	814,780.52	32° 19' 30.551 N	103° 26' 53.167 W
13,771.0	91.13	179.36	10,412.9	-3,539.7	-687.2	483,057.50	814,781.66	32° 19' 29.611 N	103° 26' 53.163 W
13,865.0	90.38	179.75	10,411.6	-3,633.7	-686.5	482,963.51	814,782.39	32° 19' 28.681 N	103° 26' 53.164 W
13,960.0	90.97	179.96	10,410.5	-3,728.7	-686.3	482,868.52	814,782.63	32° 19' 27.741 N	103° 26' 53.170 W
14,054.0	89.23	179.58	10,410.3	-3,822.7	-685.9	482,774.52	814,783.00	32° 19' 26.811 N	103° 26' 53.175 W
14,149.0	89.54	179.18	10,411.4	-3,917.7	-684.9	482,679.54	814,784.03	32° 19' 25.871 N	103° 26' 53.172 W
14,243.0	89.65	179.81	10,412.0	-4,011.7	-684.0	482,585.54	814,784.86	32° 19' 24.941 N	103° 26' 53.171 W
14,338.0	89.93	179.92	10,412.4	-4,106.7	-683.8	482,490.54	814,785.08	32° 19' 24.001 N	103° 26' 53.178 W
14,433.0	88.25	179.59	10,413.9	-4,201.6	-683.4	482,395.56	814,785.49	32° 19' 23.061 N	103° 26' 53.182 W
14,530.0	87.38	179.56	10,417.6	-4,298.6	-682.7	482,298.63	814,786.21	32° 19' 22.102 N	103° 26' 53.183 W
14,623.0	87.94	180.05	10,421.4	-4,391.5	-682.4	482,205.71	814,786.52	32° 19' 21.183 N	103° 26' 53.188 W
14,717.0	88.30	180.35	10,424.5	-4,485.4	-682.7	482,111.76	814,786.20	32° 19' 20.253 N	103° 26' 53.201 W
14,811.0	88.92	180.95	10,426.7	-4,579.4	-683.8	482,017.80	814,785.13	32° 19' 19.323 N	103° 26' 53.223 W
14,906.0	89.40	181.90	10,428.1	-4,674.4	-686.1	481,922.84	814,782.77	32° 19' 18.384 N	103° 26' 53.259 W
15,000.0	87.83	180.56	10,430.4	-4,768.3	-688.1	481,828.89	814,780.75	32° 19' 17.455 N	103° 26' 53.292 W
15,095.0	88.28	180.74	10,433.6	-4,863.2	-689.2	481,733.96	814,779.67	32° 19' 16.515 N	103° 26' 53.314 W
15,189.0	88.28	179.75	10,436.4	-4,957.2	-689.6	481,640.00	814,779.27	32° 19' 15.586 N	103° 26' 53.327 W
15,284.0	90.10	180.09	10,437.8	-5,052.2	-689.5	481,545.01	814,779.40	32° 19' 14.646 N	103° 26' 53.335 W
15,378.0	91.89	180.28	10,436.2	-5,146.2	-689.8	481,451.03	814,779.10	32° 19' 13.716 N	103° 26' 53.348 W
15,473.0	91.81	179.85	10,433.1	-5,241.1	-689.9	481,356.08	814,778.99	32° 19' 12.776 N	103° 26' 53.358 W
15,568.0	91.02	179.10	10,430.7	-5,336.1	-689.0	481,261.12	814,779.86	32° 19' 11.837 N	103° 26' 53.357 W
15,662.0	91.64	179.65	10,428.6	-5,430.1	-688.0	481,167.15	814,780.89	32° 19' 10.907 N	103° 26' 53.354 W
15,757.0	90.57	179.08	10,426.7	-5,525.0	-687.0	481,072.17	814,781.94	32° 19' 9.967 N	103° 26' 53.351 W
15,851.0	91.19	179.37	10,425.3	-5,619.0	-685.7	480,978.19	814,783.21	32° 19' 9.037 N	103° 26' 53.345 W
15,946.0	91.69	180.27	10,422.9	-5,714.0	-685.4	480,883.23	814,783.51	32° 19' 8.097 N	103° 26' 53.351 W
16,041.0	91.86	178.95	10,420.0	-5,808.9	-684.7	480,788.28	814,784.16	32° 19' 7.158 N	103° 26' 53.352 W
16,135.0	92.65	178.82	10,416.3	-5,902.8	-682.9	480,694.37	814,785.99	32° 19' 6.228 N	103° 26' 53.340 W
16,230.0	93.27	179.18	10,411.3	-5,997.7	-681.3	480,599.51	814,787.64	32° 19' 5.290 N	103° 26' 53.330 W
16,325.0	91.33	178.51	10,407.5	-6,092.6	-679.3	480,504.61	814,789.55	32° 19' 4.350 N	103° 26' 53.317 W



QES
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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
16,419.0	91.95	178.75	10,404.8	-6,186.5	-677.1	480,410.68	814,791.80	32° 19' 3.421 N	103° 26' 53.300 W
16,514.0	92.62	179.06	10,401.1	-6,281.4	-675.3	480,315.77	814,793.62	32° 19' 2.482 N	103° 26' 53.288 W
16,607.0	93.29	179.55	10,396.3	-6,374.3	-674.2	480,222.90	814,794.74	32° 19' 1.563 N	103° 26' 53.284 W
16,702.0	91.95	178.51	10,391.9	-6,469.2	-672.5	480,128.02	814,796.35	32° 19' 0.624 N	103° 26' 53.274 W
16,796.0	92.31	178.50	10,388.4	-6,563.1	-670.1	480,034.11	814,798.80	32° 18' 59.694 N	103° 26' 53.254 W
16,890.0	92.87	178.62	10,384.2	-6,657.0	-667.7	479,940.24	814,801.16	32° 18' 58.765 N	103° 26' 53.236 W
16,985.0	90.88	177.79	10,381.1	-6,751.9	-664.8	479,845.34	814,804.13	32° 18' 57.826 N	103° 26' 53.210 W
17,080.0	90.66	178.03	10,379.8	-6,846.8	-661.3	479,750.41	814,807.60	32° 18' 56.886 N	103° 26' 53.179 W
17,174.0	91.08	178.24	10,378.4	-6,940.7	-658.2	479,656.48	814,810.66	32° 18' 55.957 N	103° 26' 53.153 W
17,269.0	91.64	178.48	10,376.1	-7,035.7	-655.5	479,561.54	814,813.37	32° 18' 55.017 N	103° 26' 53.130 W
17,364.0	90.04	177.91	10,374.7	-7,130.6	-652.5	479,466.60	814,816.37	32° 18' 54.077 N	103° 26' 53.104 W
17,458.0	90.13	178.23	10,374.6	-7,224.5	-649.4	479,372.66	814,819.53	32° 18' 53.148 N	103° 26' 53.076 W
17,553.0	90.99	178.65	10,373.7	-7,319.5	-646.8	479,277.70	814,822.12	32° 18' 52.208 N	103° 26' 53.055 W
17,647.0	89.82	179.35	10,373.0	-7,413.5	-645.1	479,183.72	814,823.76	32° 18' 51.278 N	103° 26' 53.045 W
17,741.0	89.79	179.58	10,373.3	-7,507.5	-644.3	479,089.72	814,824.64	32° 18' 50.348 N	103° 26' 53.044 W
17,841.0	89.79	179.58	10,373.7	-7,607.5	-643.5	478,989.72	814,825.37	32° 18' 49.358 N	103° 26' 53.045 W
TD @ 17841.0' MD / 10373.7' TVD									

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
295.0	295.0	0.0	0.6	First MWD Survey @ 295.0' MD / 295.0' TVD	
10,588.6	10,393.7	-362.0	-704.1	LL Crossed @ 10588.6' MD / 10393.7' TVD	
10,690.8	10,414.3	-461.9	-701.6	100' PA Crossed @ 10690.8' MD / 10414.3' TVD	
17,841.0	10,373.7	-7,607.5	-643.5	TD @ 17841.0' MD / 10373.7' TVD	

Checked By: _____	Approved By: _____	Date: _____
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QES

South Ridge 8030 2-11 State #1H

Scale 2":100' - MD

5/15/2020 2:21 PM

Oper. Company: BTA Oil Producers, LLC

State: New Mexico

Well: South Ridge 8030 2-11 State #1H

County: Lea County

Field: Delaware

Country: USA

Rig: Patterson #594

Location: Section 34, T23S,R34E

Well ID: 30-025-46059

Start Date: 04/29/2020 04:52:33

Job Number: WT-200542

End Date: 05/13/2020 05:00:00

Latitude: 32° 20' 4.579 N

Elev GL: 3411'

Longitude: 103°26' 44.813 W

Elev DF: 3436'

Elev KB: 3436'

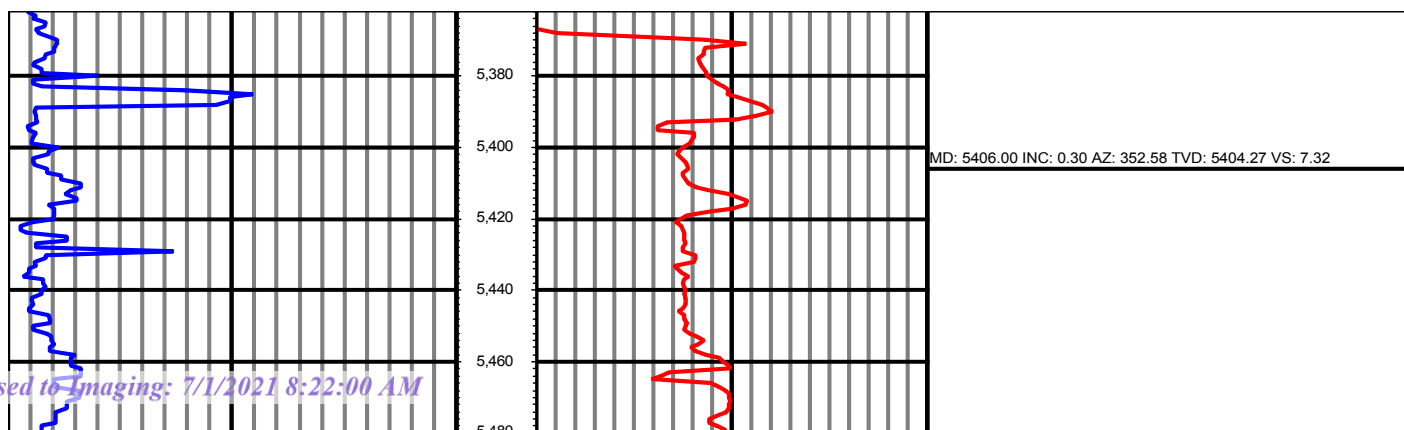
Operator 1: Taylor Matejek

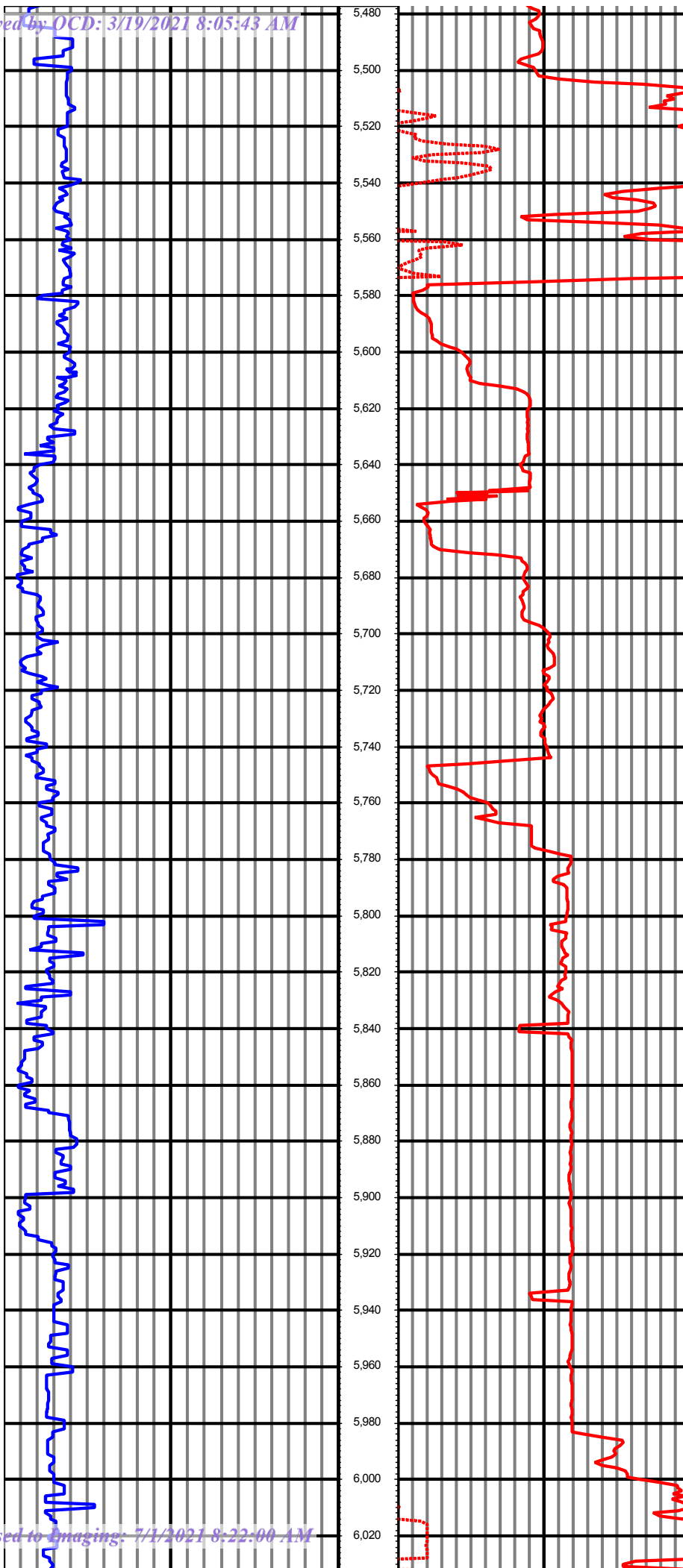
Operator 2: Leon Wong

Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	E-02A7K/ G-4839CBG	E-02A7K/ G-4839CBG	E-0201K/ G-859DETEQ	E-02A7K/ G-4839CBG	
Bit Size	8 3/4	8 3/4	8 3/4	8 3/4	
Cal Factor	3.63	3.63	3.63	3.63	
Survey Offset	55.00	52.00	58.00	58.00	
Gamma Offset	43.00	40.00	47.00	47.00	
Resistivity Offset	0.00	0.00	0.00	0.00	
Start Depth	5362.00	9932.00	10723.00	14584.00	
StartDate	4/29/2020	5/3/2020	5/4/2020	5/8/2020	
StartTime	04:47	07:30	21:24	01:40	
EndDepth	9932.00	10723.00	14584.00	17841.00	
EndDate	5/2/2020	5/4/2020	5/8/2020	5/12/2020	
EndTime	13:29	03:18	01:39	06:11	
Mud Type	WBM	WBM	WBM	WBM	
Mud Weight	9.1	9.2	9.3	9.2	
Funnel Viscosity	28	30	28	28	
Hole Data			Casing Data		
Size	From	To	Size	From	To
12 1/4	2107.00	5362.00	13 3/8	0.00	2107.00
8 3/4	5362.00	17841.00	9 5/8	0.00	5352.00

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.

0.00 GR(API) 300.00 MD 0.00 ROP(FT/HR) 250.00 Surveys (MD/INC/AZ/TVD/VS)





MD: 5501.00 INC: 0.32 AZ: 318.42 TVD: 5499.27 VS: 6.89

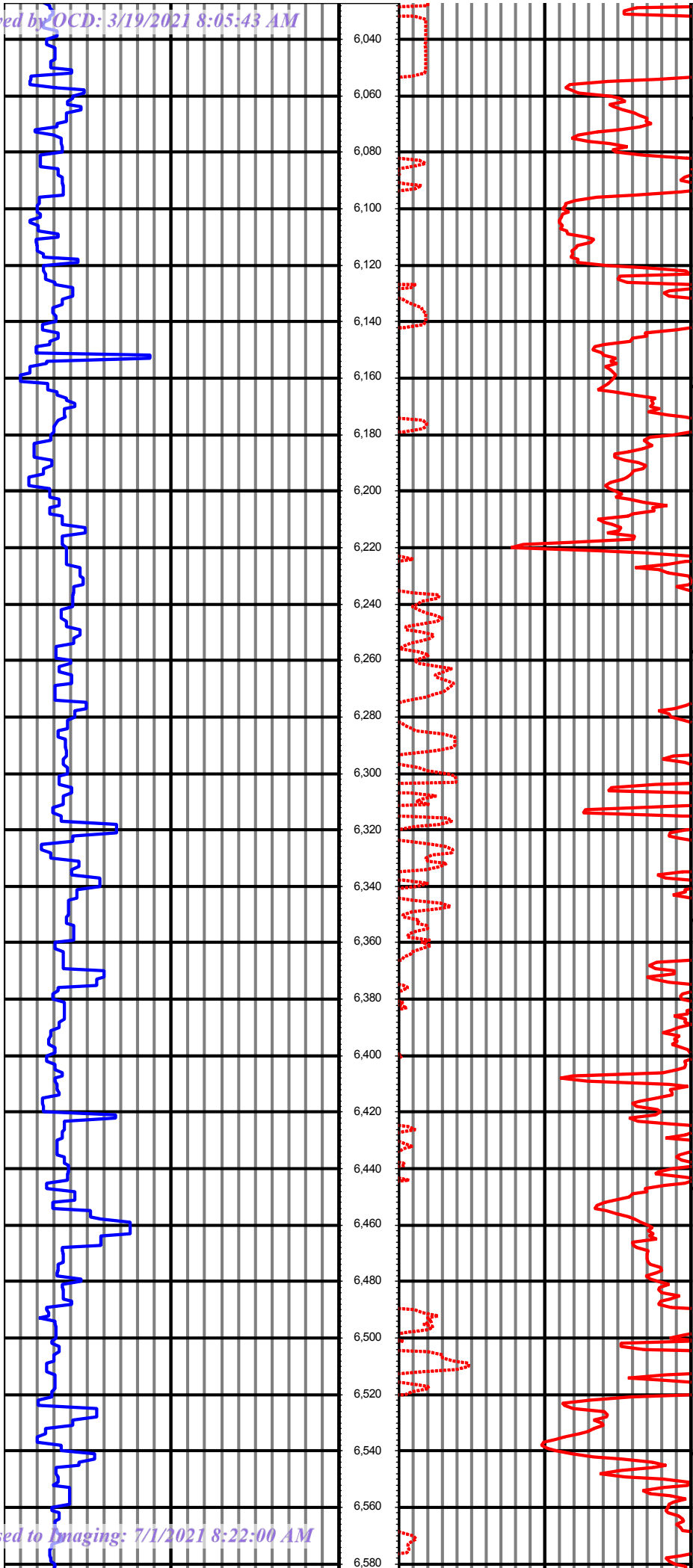
MD: 5595.00 INC: 3.33 AZ: 275.97 TVD: 5593.21 VS: 6.64

MD: 5689.00 INC: 7.40 AZ: 268.07 TVD: 5686.78 VS: 7.25

MD: 5784.00 INC: 10.46 AZ: 274.27 TVD: 5780.62 VS: 7.98

MD: 5879.00 INC: 10.33 AZ: 273.00 TVD: 5874.06 VS: 8.25

MD: 5973.00 INC: 10.21 AZ: 273.08 TVD: 5966.56 VS: 8.68



MD: 6068.00 INC: 10.54 AZ: 272.10 TVD: 6060.00 VS: 9.27

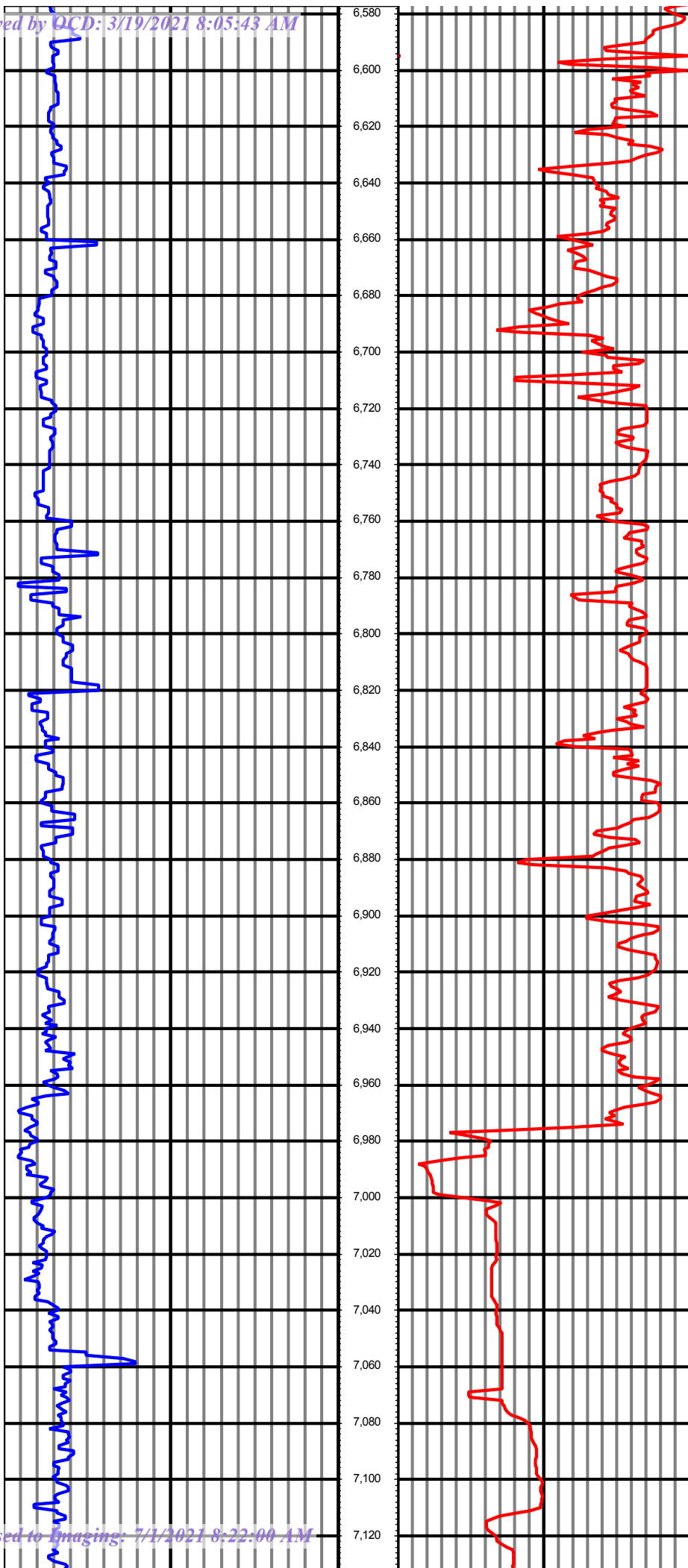
MD: 6163.00 INC: 10.34 AZ: 272.77 TVD: 6153.43 VS: 9.90

MD: 6257.00 INC: 10.21 AZ: 272.36 TVD: 6245.92 VS: 10.47

MD: 6352.00 INC: 10.54 AZ: 271.49 TVD: 6339.37 VS: 11.25

MD: 6447.00 INC: 10.23 AZ: 271.25 TVD: 6432.81 VS: 12.19

MD: 6541.00 INC: 9.87 AZ: 269.33 TVD: 6525.37 VS: 13.40



MD: 6635.00 INC: 9.79 AZ: 269.90 TVD: 6617.99 VS: 14.78

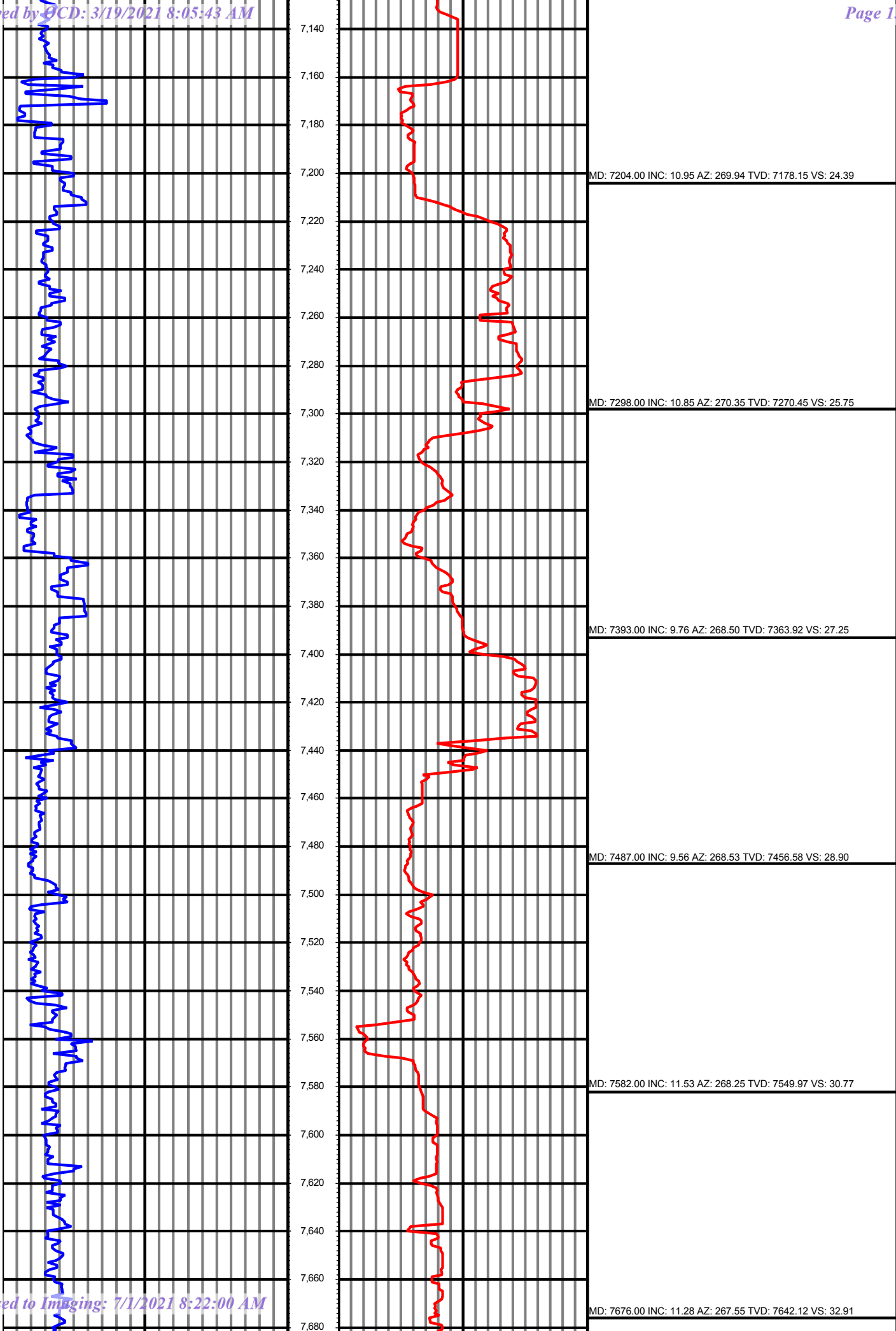
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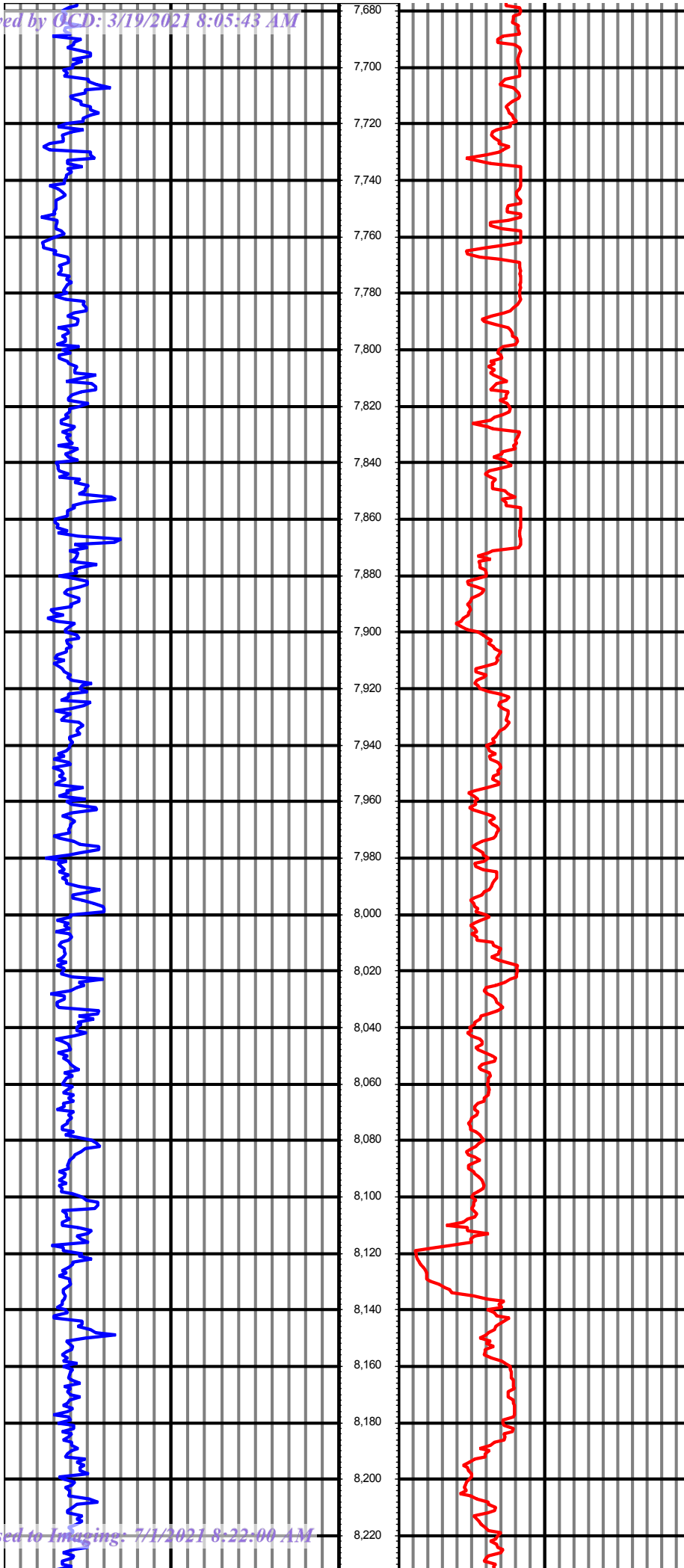
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MD: 6920.00 INC: 9.19 AZ: 266.82 TVD: 6899.12 VS: 20.27

MD: 7014.00 INC: 10.79 AZ: 270.80 TVD: 6991.69 VS: 21.85

MD: 7108.00 INC: 11.30 AZ: 270.70 TVD: 7083.95 VS: 23.04





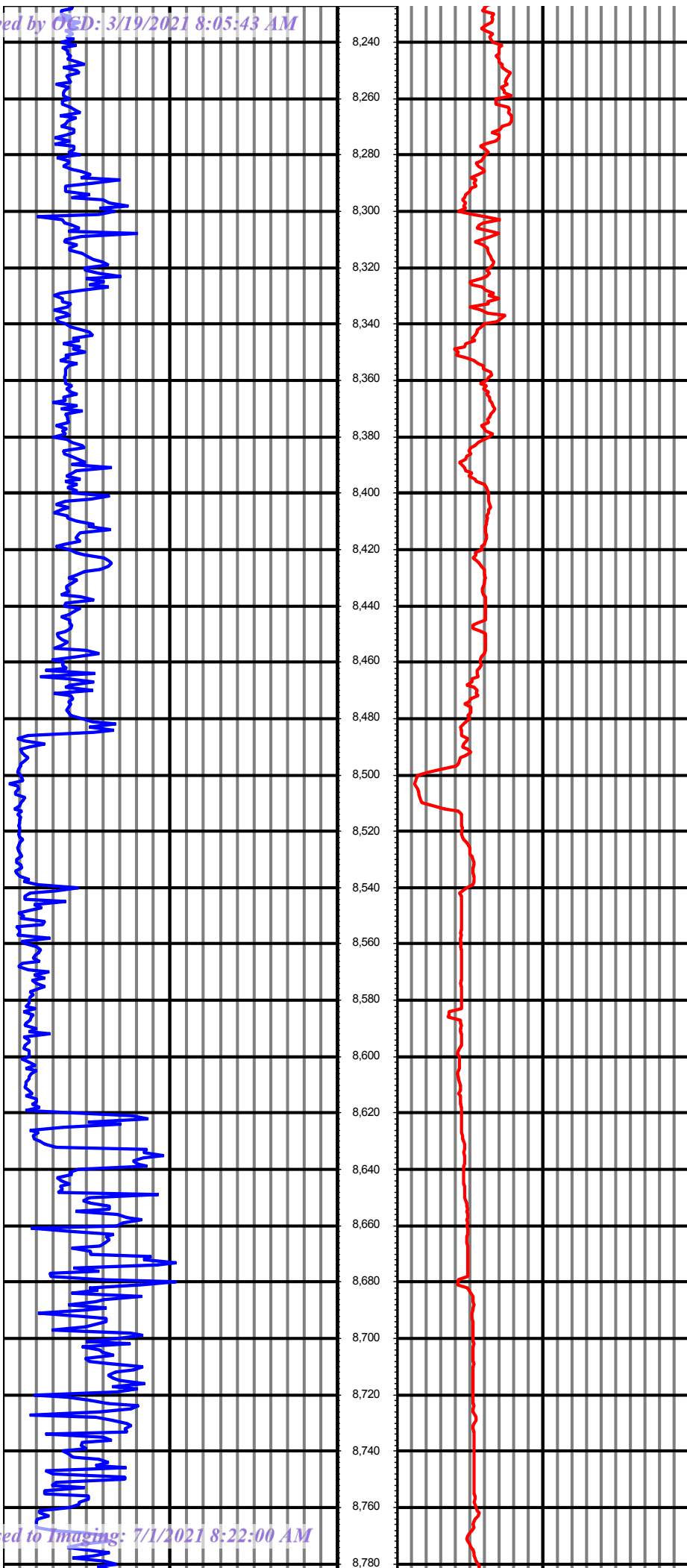
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MD: 7865.00 INC: 10.19 AZ: 268.00 TVD: 7827.76 VS: 37.30

MD: 7960.00 INC: 9.48 AZ: 267.92 TVD: 7921.36 VS: 39.16

MD: 8055.00 INC: 8.78 AZ: 267.06 TVD: 8015.15 VS: 41.00

MD: 8149.00 INC: 9.97 AZ: 274.07 TVD: 8107.90 VS: 42.00



MD: 8243.00 INC: 9.90 AZ: 274.14 TVD: 8200.49 VS: 42.12

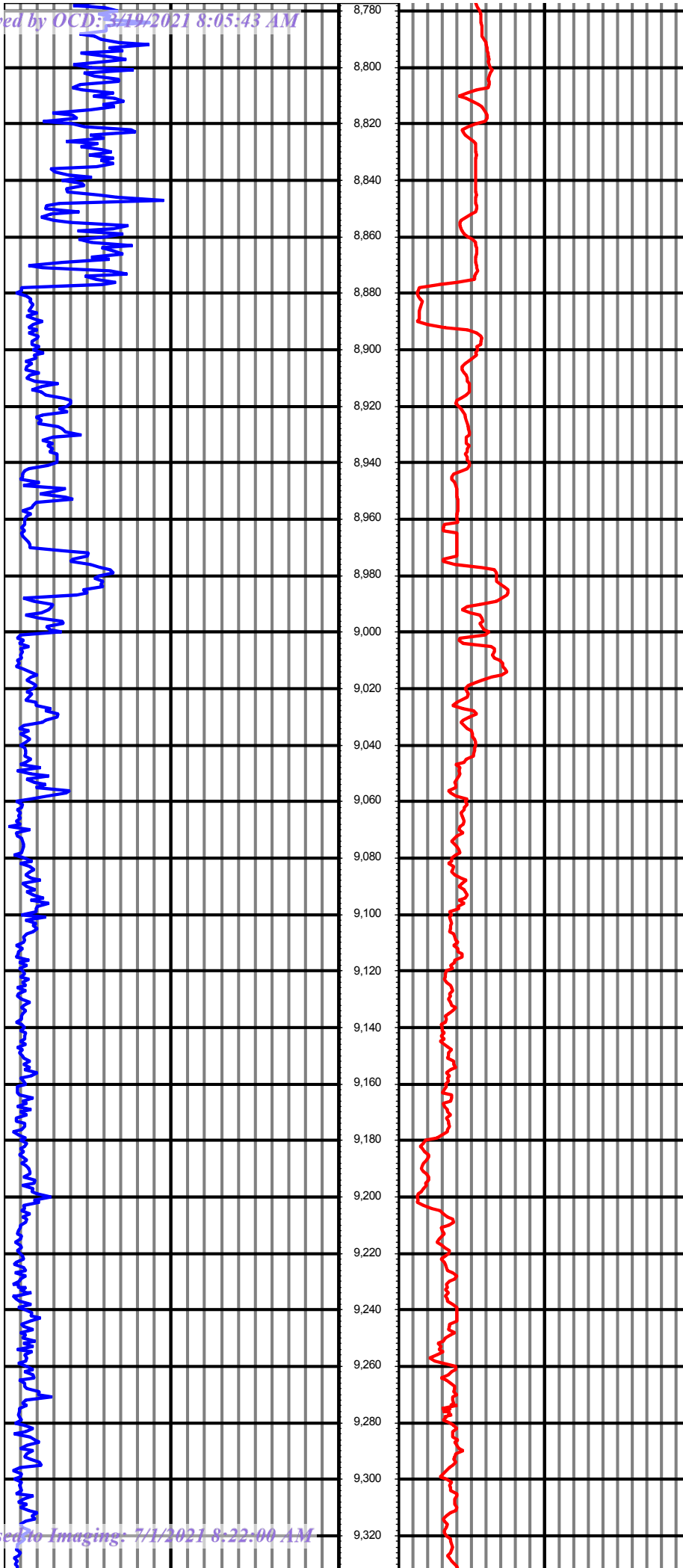
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MD: 8432.00 INC: 8.58 AZ: 274.10 TVD: 8387.05 VS: 42.38

MD: 8527.00 INC: 10.07 AZ: 273.50 TVD: 8480.79 VS: 42.58

MD: 8621.00 INC: 9.75 AZ: 273.40 TVD: 8573.39 VS: 42.89

MD: 8715.00 INC: 8.21 AZ: 273.47 TVD: 8666.24 VS: 43.17



MD: 8810.00 INC: 7.01 AZ: 269.07 TVD: 8760.40 VS: 43.85

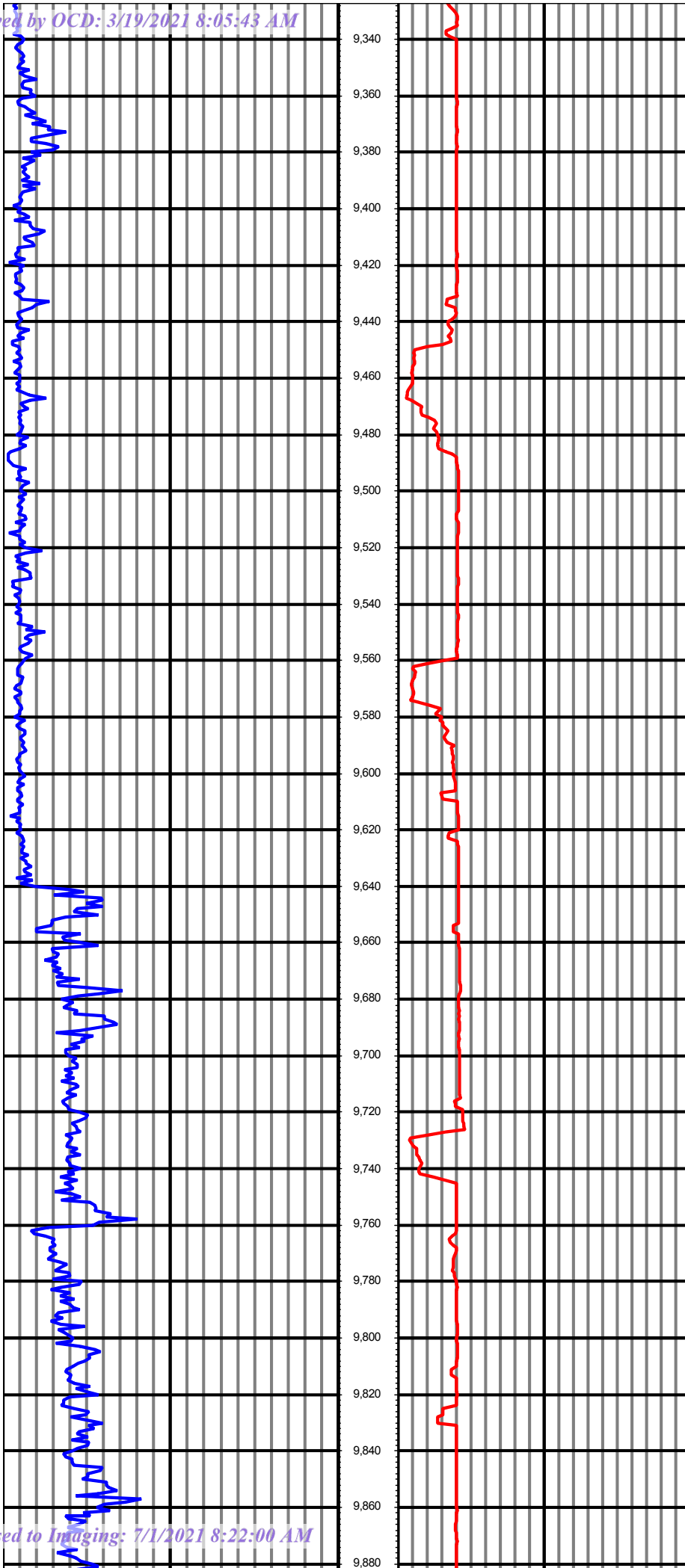
MD: 8904.00 INC: 8.12 AZ: 269.03 TVD: 8853.58 VS: 45.03

MD: 8998.00 INC: 7.71 AZ: 266.47 TVD: 8946.68 VS: 46.55

MD: 9093.00 INC: 7.68 AZ: 264.83 TVD: 9040.83 VS: 48.51

MD: 9187.00 INC: 8.01 AZ: 262.11 TVD: 9133.95 VS: 50.98

MD: 9282.00 INC: 8.07 AZ: 258.04 TVD: 9228.02 VS: 54.30



MD: 9376.00 INC: 8.06 AZ: 253.75 TVD: 9321.09 VS: 58.51

MD: 9471.00 INC: 5.60 AZ: 247.31 TVD: 9415.41 VS: 62.99

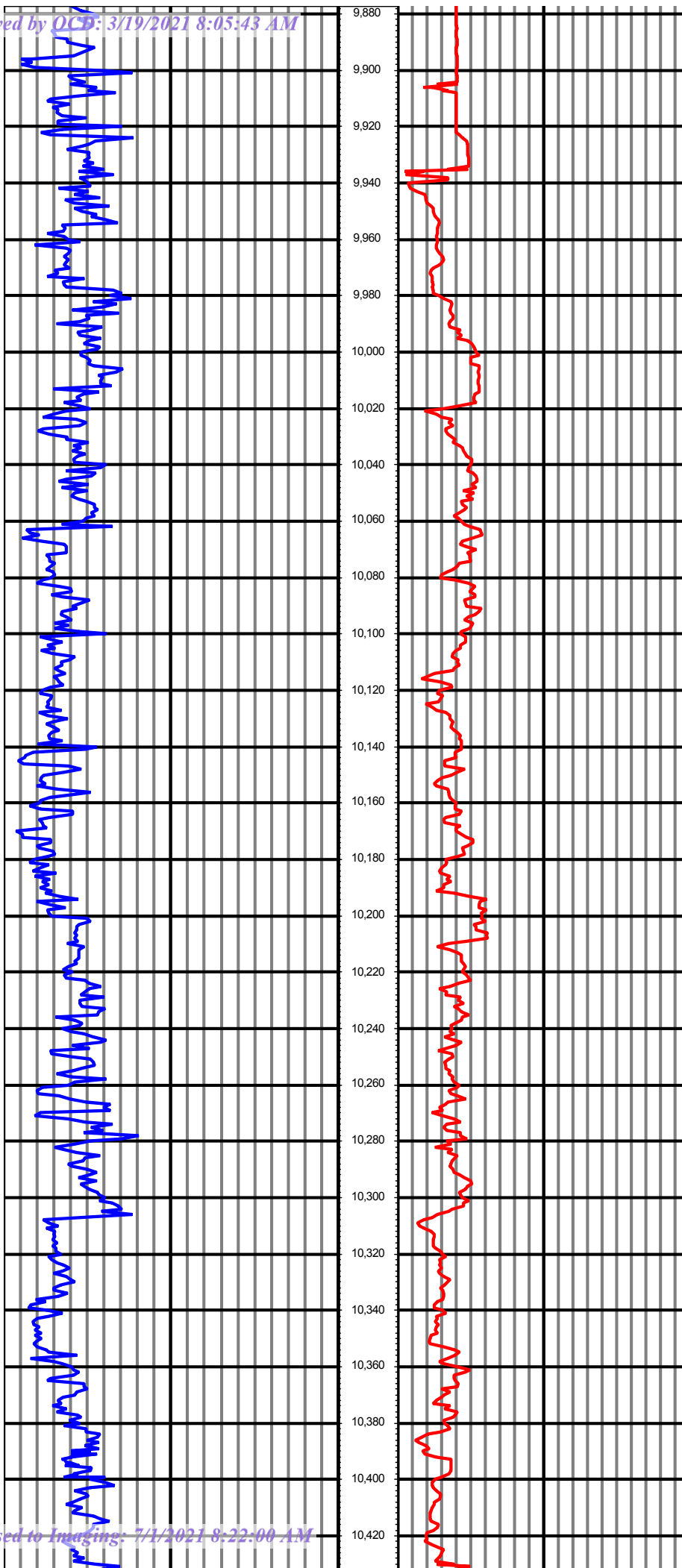
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MD: 9661.00 INC: 3.59 AZ: 237.14 TVD: 9604.83 VS: 70.68

MD: 9756.00 INC: 2.07 AZ: 261.44 TVD: 9699.72 VS: 72.88

MD: 9850.00 INC: 1.81 AZ: 259.84 TVD: 9793.66 VS: 73.64

MD: 9877.00 INC: 1.86 AZ: 257.25 TVD: 9820.65 VS: 73.88



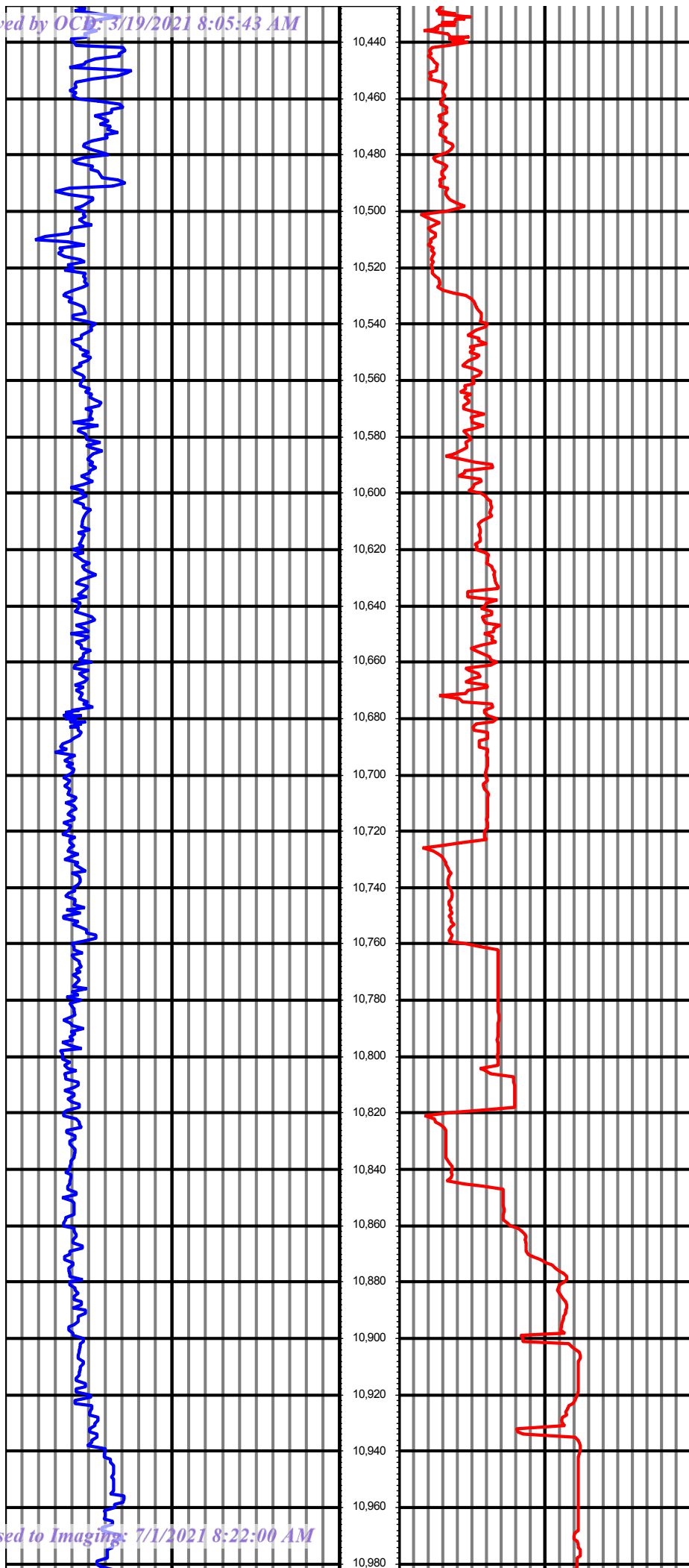
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MD: 10062.00 INC: 15.26 AZ: 193.78 TVD: 10003.69 VS: 96.05

MD: 10157.00 INC: 22.14 AZ: 184.37 TVD: 10093.64 VS: 126.33

MD: 10252.00 INC: 30.43 AZ: 179.77 TVD: 10178.75 VS: 168.29

MD: 10346.00 INC: 38.76 AZ: 179.37 TVD: 10256.06 VS: 221.41



MD: 10441.00 INC: 50.87 AZ: 179.85 TVD: 10323.33 VS: 286.00

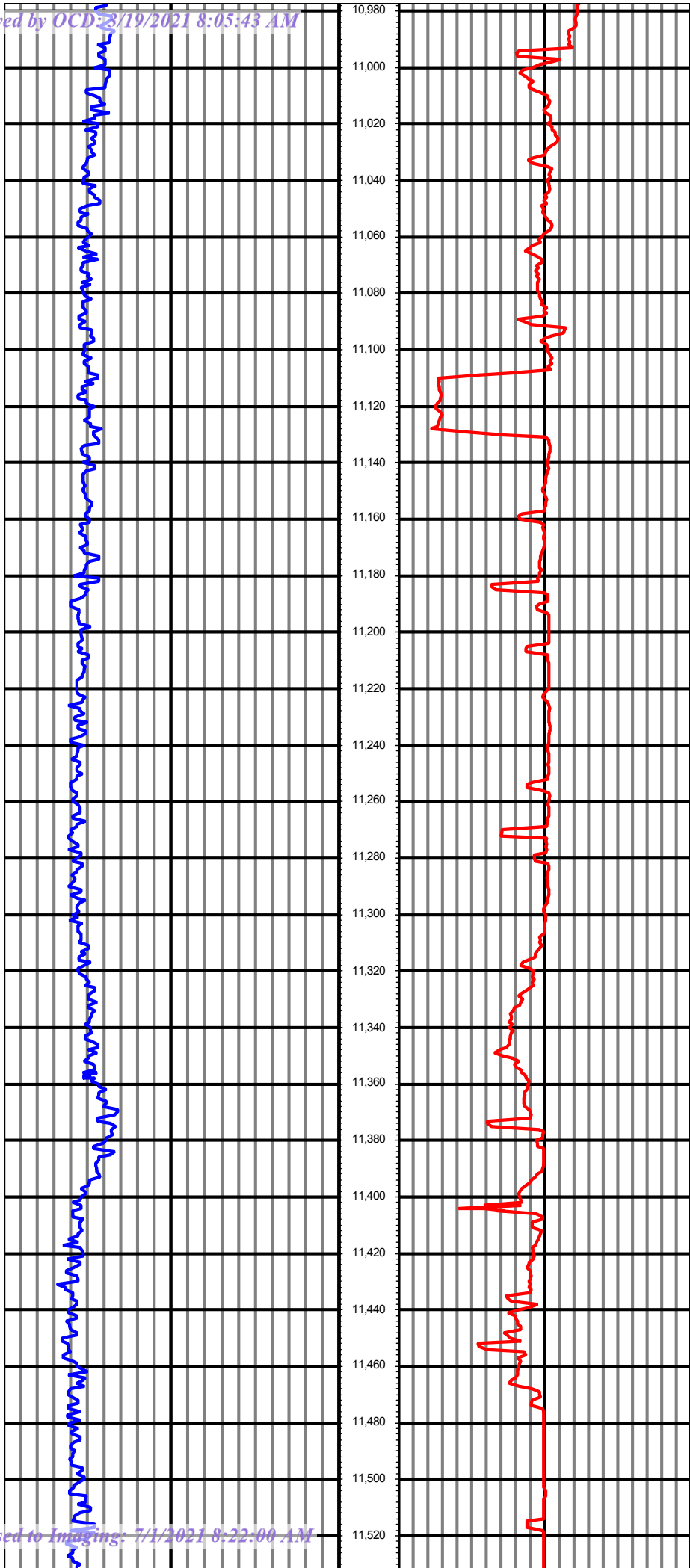
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MD: 10629.00 INC: 78.22 AZ: 178.38 TVD: 10404.07 VS: 455.30

MD: 10760.00 INC: 87.83 AZ: 178.07 TVD: 10419.96 VS: 584.39

MD: 10841.00 INC: 90.77 AZ: 179.02 TVD: 10420.95 VS: 664.93

MD: 10935.00 INC: 91.50 AZ: 179.55 TVD: 10419.09 VS: 758.52



MD: 11030.00 INC: 92.48 AZ: 179.61 TVD: 10415.79 VS: 853.11

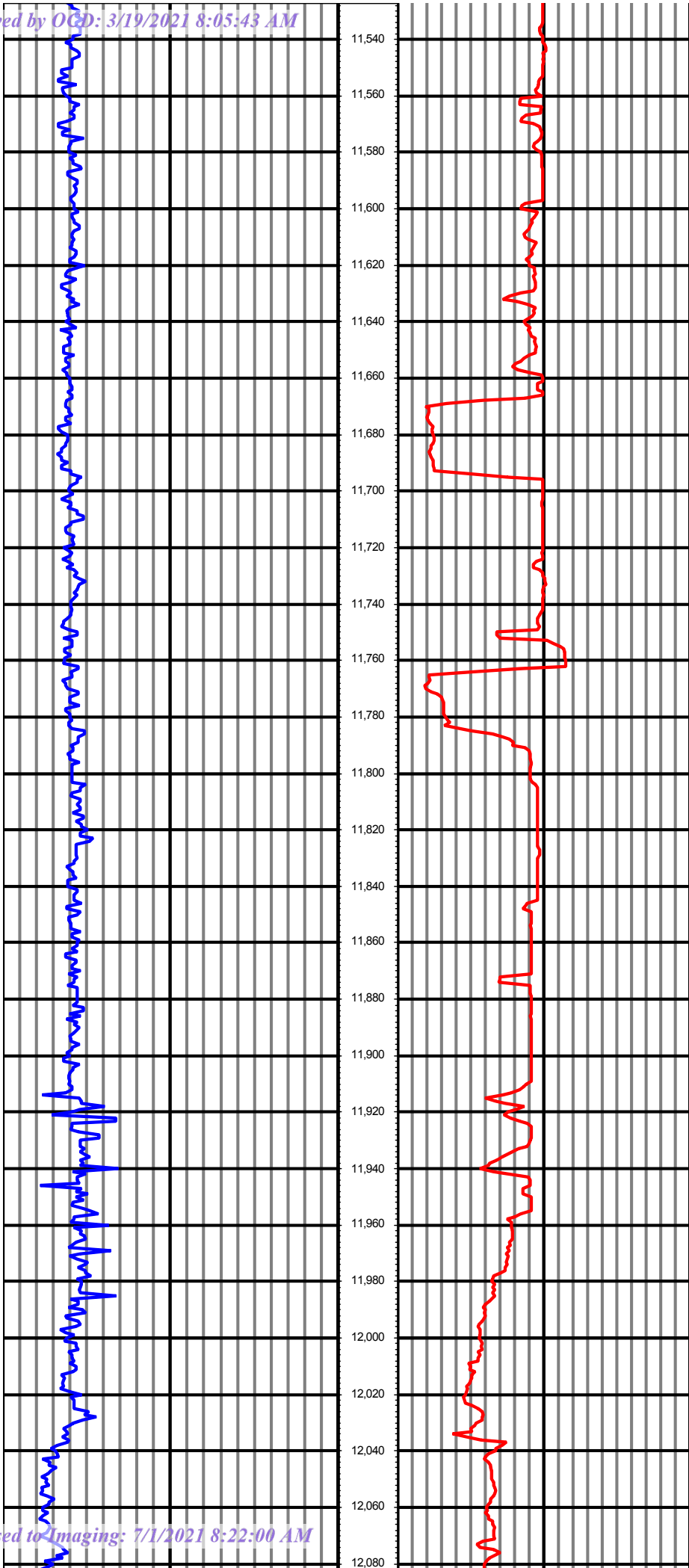
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MD: 11219.00 INC: 91.39 AZ: 180.55 TVD: 10410.33 VS: 1041.52

MD: 11314.00 INC: 91.92 AZ: 180.47 TVD: 10407.59 VS: 1136.25

MD: 11408.00 INC: 92.87 AZ: 180.53 TVD: 10403.66 VS: 1229.93

MD: 11503.00 INC: 93.80 AZ: 180.60 TVD: 10398.13 VS: 1324.54



MD: 11598.00 INC: 94.52 AZ: 180.59 TVD: 10391.24 VS: 1419.07

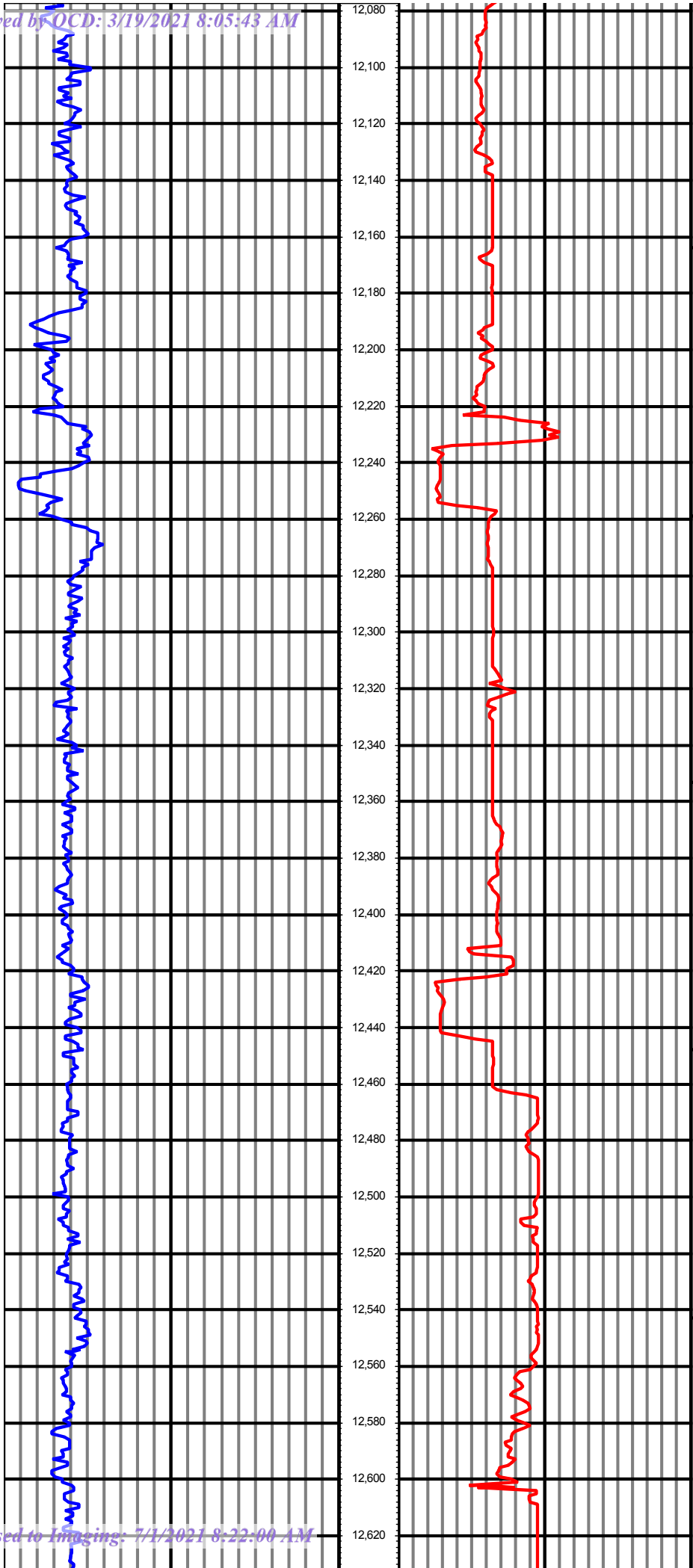
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MD: 11788.00 INC: 90.77 AZ: 180.04 TVD: 10382.60 VS: 1608.30

MD: 11882.00 INC: 90.71 AZ: 179.85 TVD: 10381.38 VS: 1701.99

MD: 11976.00 INC: 91.16 AZ: 179.82 TVD: 10379.85 VS: 1795.66

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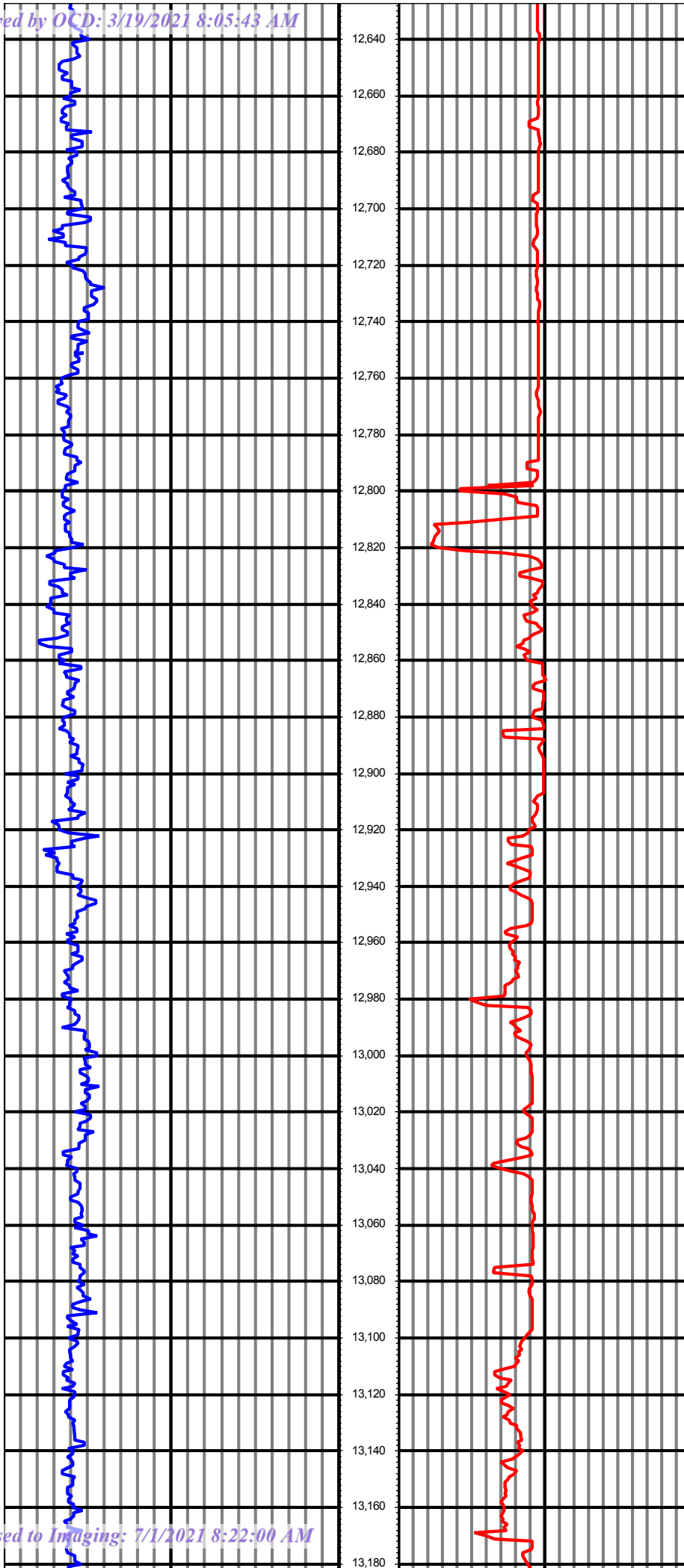
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MD: 12259.00 INC: 90.04 AZ: 180.02 TVD: 10372.14 VS: 2077.66

MD: 12353.00 INC: 90.35 AZ: 180.27 TVD: 10371.82 VS: 2171.39

MD: 12448.00 INC: 87.89 AZ: 180.75 TVD: 10373.28 VS: 2266.13

MD: 12543.00 INC: 88.19 AZ: 180.29 TVD: 10376.52 VS: 2360.84



MD: 12637.00 INC: 88.14 AZ: 179.81 TVD: 10379.53 VS: 2549.13

MD: 12732.00 INC: 88.39 AZ: 179.60 TVD: 10382.41 VS: 2549.13

MD: 12827.00 INC: 87.13 AZ: 179.22 TVD: 10386.12 VS: 2643.68

MD: 12922.00 INC: 87.13 AZ: 179.05 TVD: 10390.88 VS: 2738.14

MD: 13016.00 INC: 86.74 AZ: 178.91 TVD: 10395.91 VS: 2831.56

MD: 13110.00 INC: 86.96 AZ: 178.92 TVD: 10401.07 VS: 2924.97

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13,180
13,200
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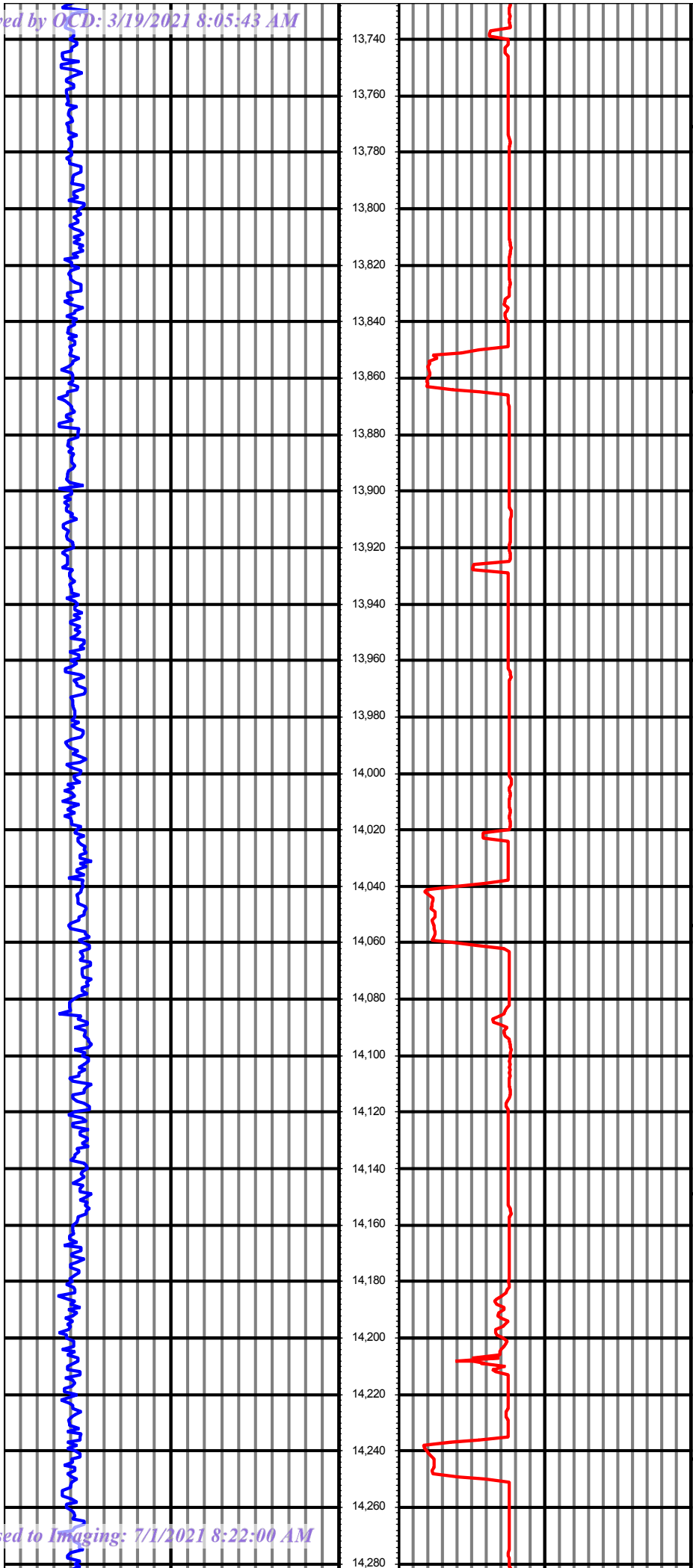
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MD: 13487.00 INC: 89.06 AZ: 179.32 TVD: 10413.01 VS: 3300.13

MD: 13582.00 INC: 89.65 AZ: 179.19 TVD: 10414.08 VS: 3394.72

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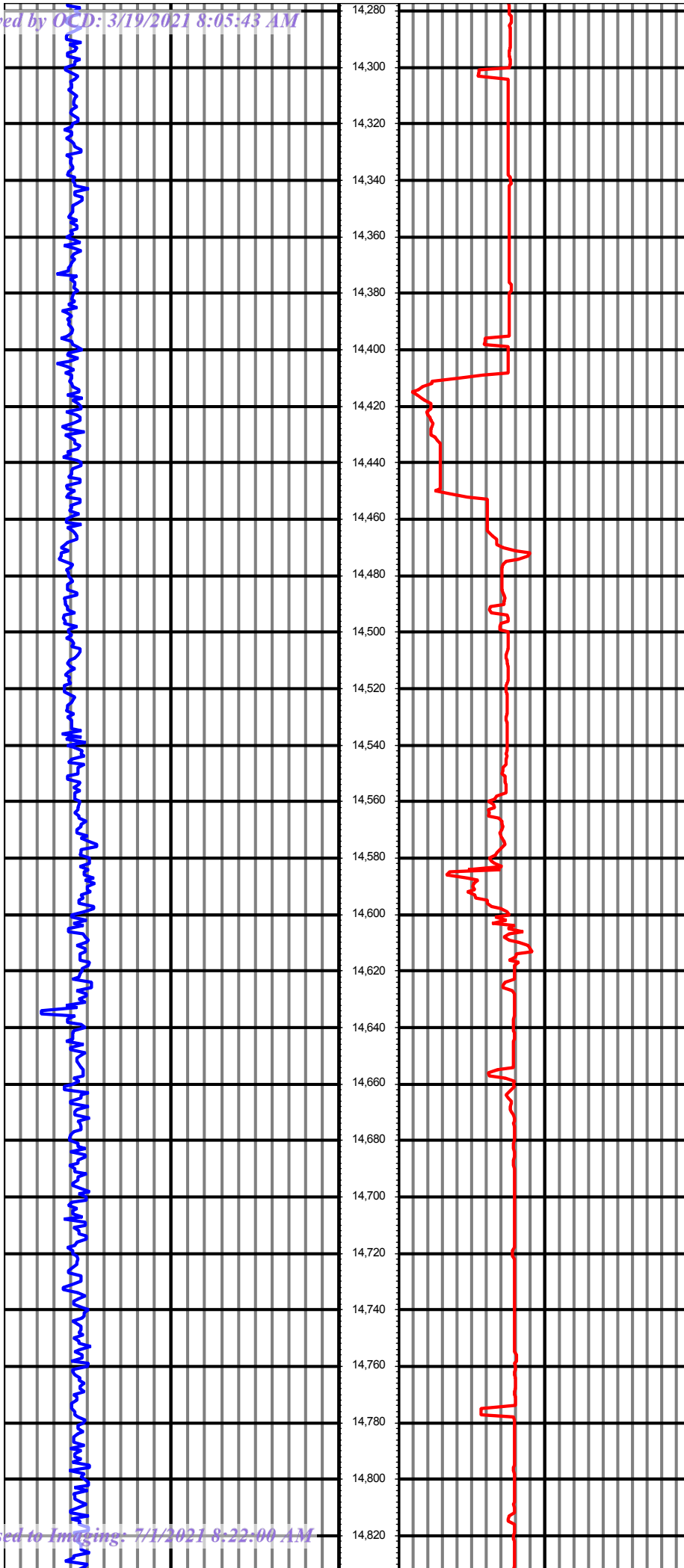
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MD: 14054.00 INC: 89.23 AZ: 179.58 TVD: 10410.33 VS: 3864.90

MD: 14149.00 INC: 89.54 AZ: 179.18 TVD: 10411.35 VS: 3959.51

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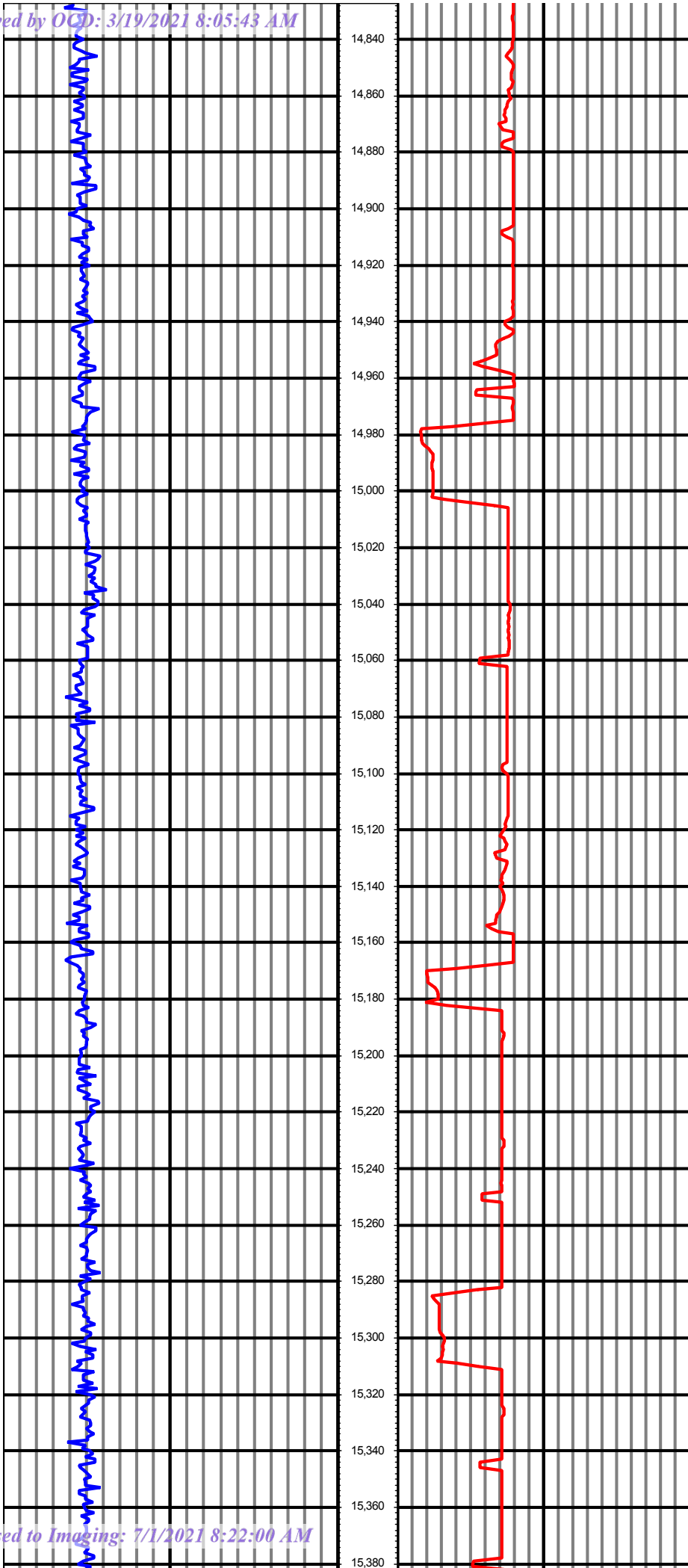
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MD: 14623.00 INC: 87.94 AZ: 180.05 TVD: 10421.37 VS: 4431.66

MD: 14717.00 INC: 88.30 AZ: 180.35 TVD: 10424.45 VS: 4525.34

MD: 14811.00 INC: 88.92 AZ: 180.95 TVD: 10426.73 VS: 4619.10



MD: 14906.00 INC: 89.40 AZ: 181.90 TVD: 10428.13 VS: 4713.95

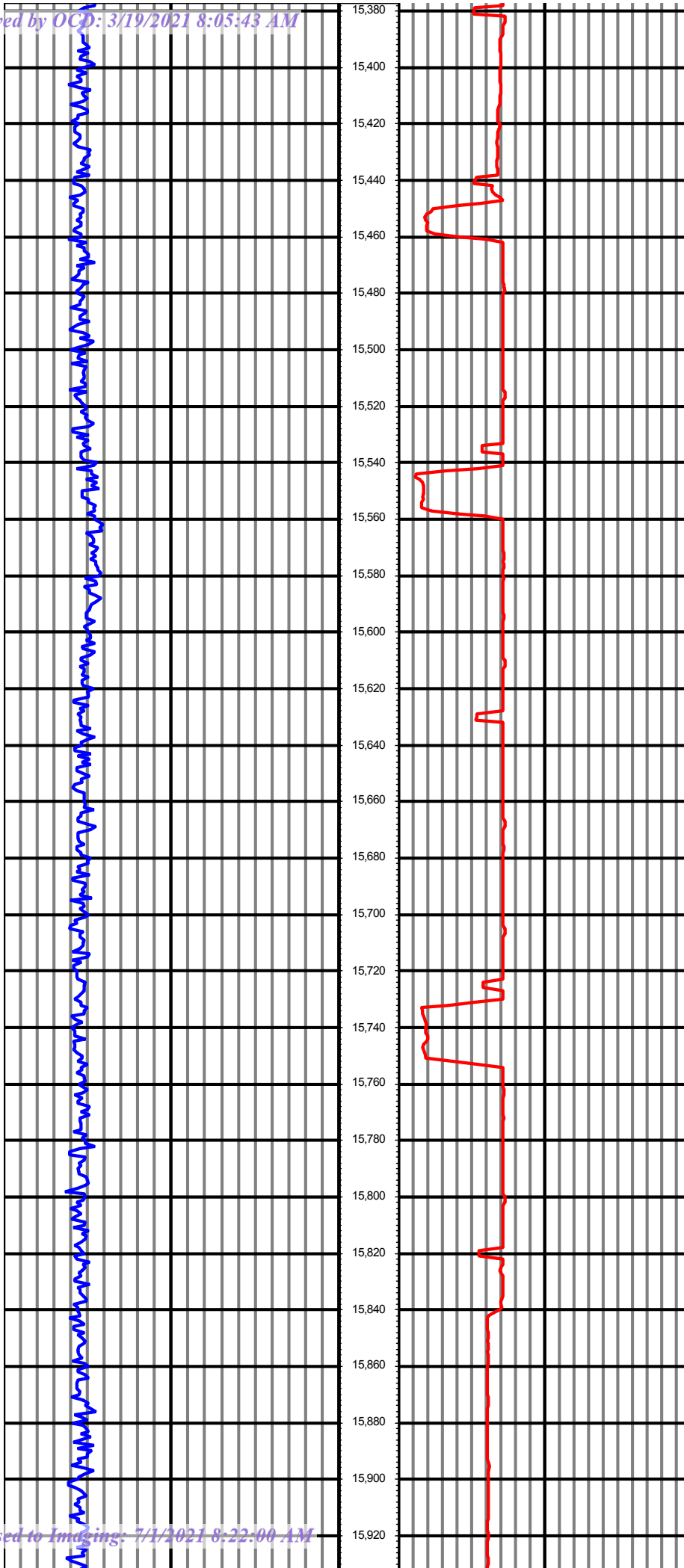
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MD: 15095.00 INC: 88.28 AZ: 180.74 TVD: 10433.62 VS: 4902.49

MD: 15189.00 INC: 88.28 AZ: 179.75 TVD: 10436.44 VS: 4996.18

MD: 15284.00 INC: 90.10 AZ: 180.09 TVD: 10437.79 VS: 5090.86

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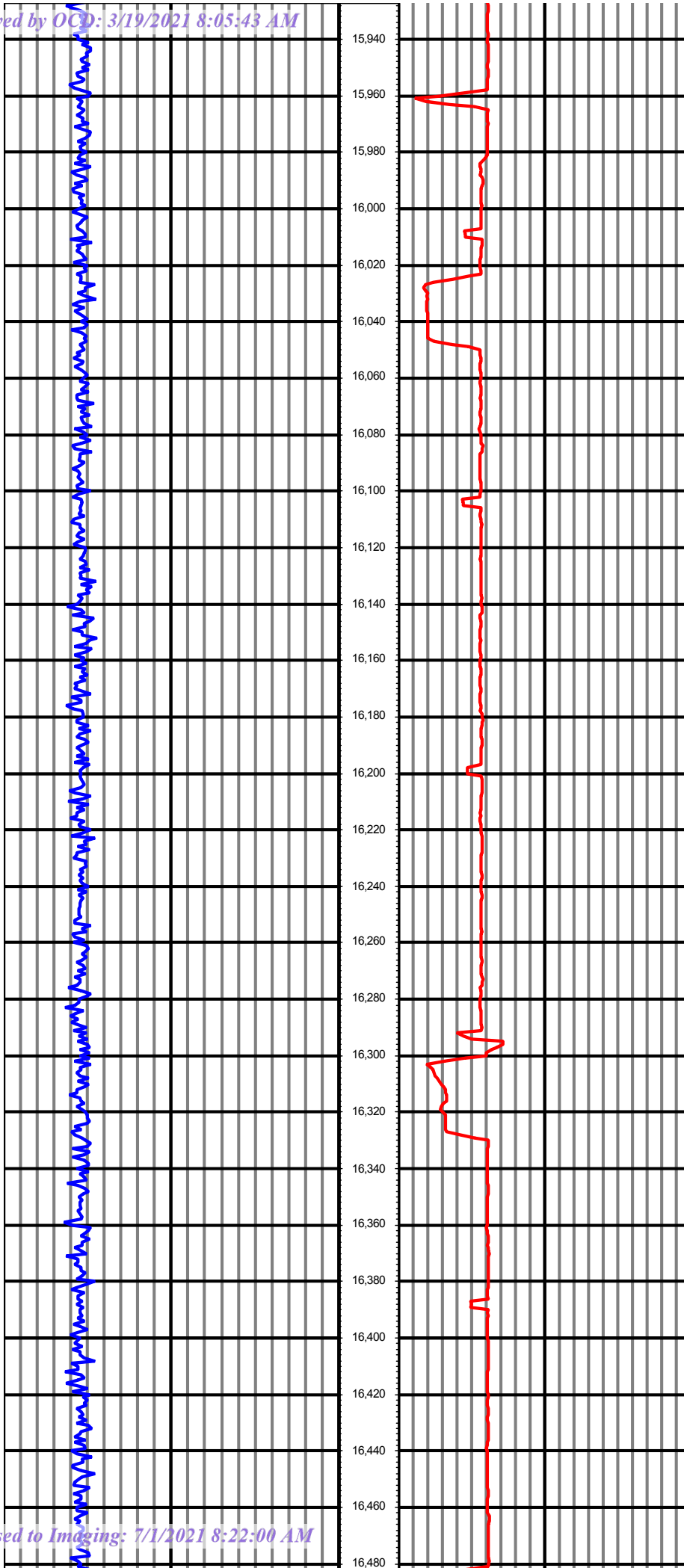
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MD: 15662.00 INC: 91.64 AZ: 179.65 TVD: 10428.56 VS: 5467.43

MD: 15757.00 INC: 90.57 AZ: 179.08 TVD: 10426.73 VS: 5562.02

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MD: 15946.00 INC: 91.69 AZ: 180.27 TVD: 10422.90 VS: 5750.25

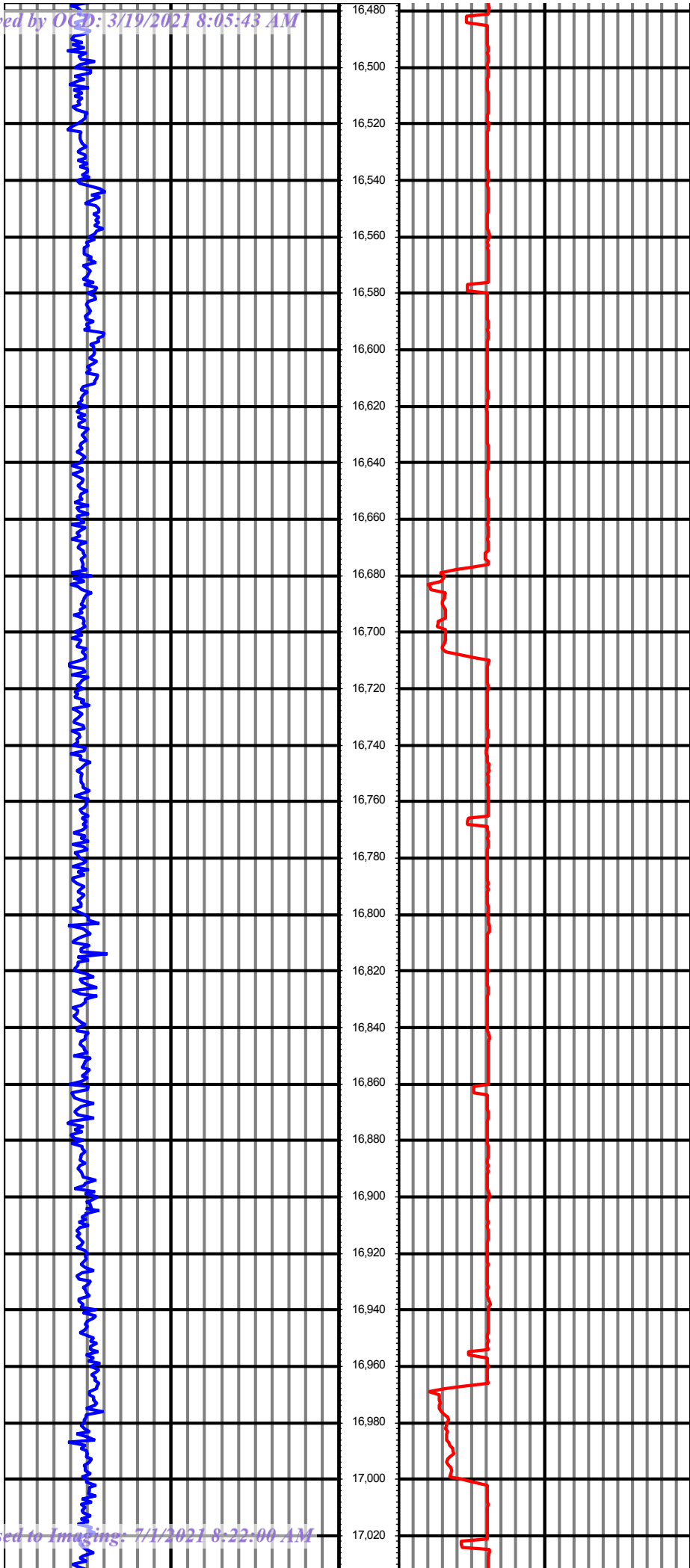
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MD: 16230.00 INC: 93.27 AZ: 179.18 TVD: 10411.35 VS: 6032.76

MD: 16325.00 INC: 91.33 AZ: 178.51 TVD: 10407.54 VS: 6127.21

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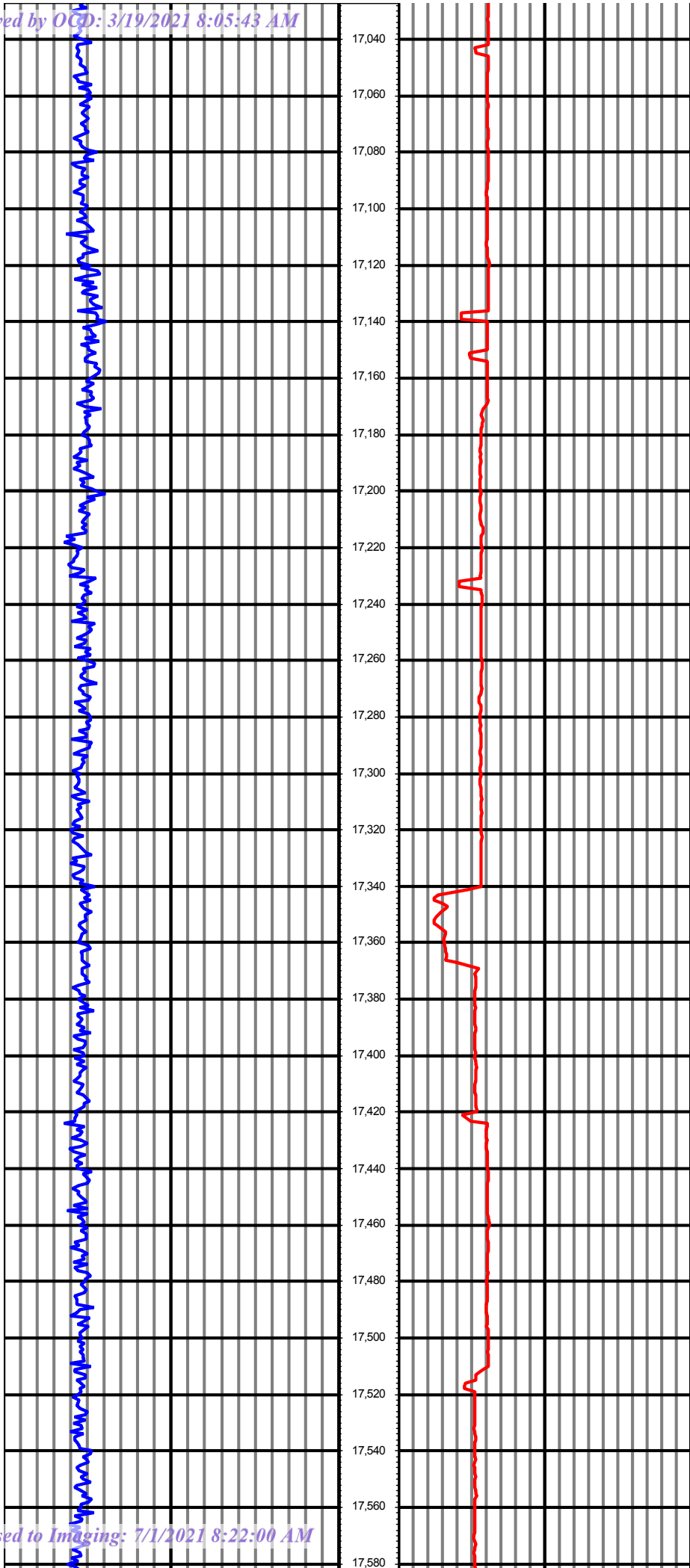
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MD: 16796.00 INC: 92.31 AZ: 178.50 TVD: 10388.43 VS: 6595.51

MD: 16890.00 INC: 92.87 AZ: 178.62 TVD: 10384.18 VS: 6688.90

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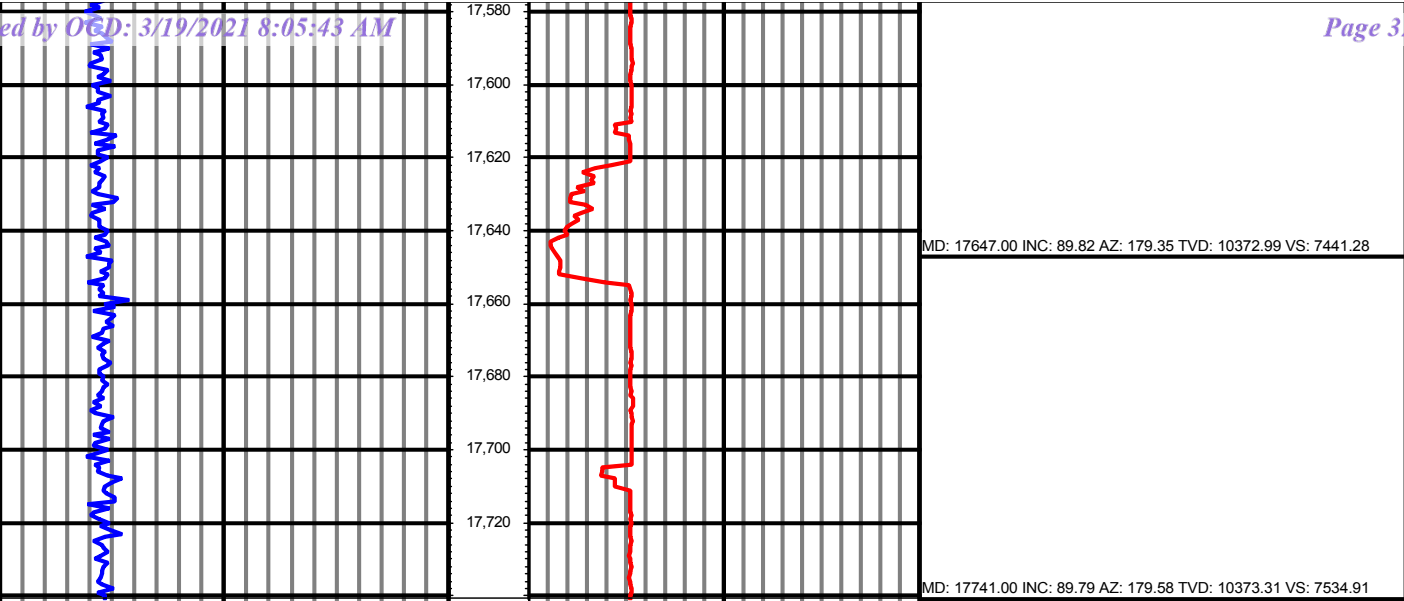
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MD: 17364.00 INC: 90.04 AZ: 177.91 TVD: 10374.72 VS: 7159.86

MD: 17458.00 INC: 90.13 AZ: 178.23 TVD: 10374.58 VS: 7253.26

MD: 17553.00 INC: 90.99 AZ: 178.65 TVD: 10373.65 VS: 7347.72



0.00 GR(API) 300.00 MD 0.00 ROP(FT/HR) 250.00 Surveys (MD/INC/AZ/TVD/VS)

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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

WELL API NO. 30-025-46059
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. 325655
7. Lease Name or Unit Agreement Name SOUTH RIDGE 8030 STATE
8. Well Number 1H
9. OGRID Number 260297
10. Pool name or Wildcat OJO CHISO;BONE SPRING, SOUTH

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator BTA OIL PRODUCERS, LLC	
3. Address of Operator 104 S. PECOS; MIDLAND, TX 79701	
4. Well Location Unit Letter E: 2380 feet from the NORTH line and 1125 feet from the WEST line Section 2 Township 23 SOUTH Range 34 EAST NMPM County LEA	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3388'	

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

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

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.

TD @ 17,841' REACHED: 5/12/2020.
10/11/2020 THRU 10/29/2020: PERFORATE AND FRAC BONESPRING: 10,700' – 17,815' WITH 378,117 TOTAL BBLS FLUID; 18,501,080 100 MESH SAND.
10/31/2020: COMPLETE DRILLOUT.
11/05/2020: 2-7/8" L-80 PRODUCTION TUBING @ 10,197' ASIX PACKER @ 10,197'
11/10/2020: START FLOWING BACK AND TESTING.
PBTD= 17,835'

Spud Date: 2/23/2020

Rig Release Date: 5/17/2020

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

SIGNATURE *Katy Reddell* TITLE: REGULATORY ANALYST DATE: 11/18/2020

Type or print name KATY REDDELL E-mail address: kreddell@btaoil.com PHONE: 432-682-3753
For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
Conditions of Approval (if any): _____

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017													
WELL COMPLETION OR RECOMPLETION REPORT AND LOG								1. WELL API NO. 30-025-46059										
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 SOUTH RIDGE 8030 STATE										
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER								6. Well Number: 1H										
8. Name of Operator BTA OIL PRODUCERS, LLC.						9. OGRID 260297												
10. Address of Operator 104 S. PECOS; MIDLAND, TX. 79701						11. Pool name or Wildcat OJO CHISO; BONE SPRING, SOUTH												
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County								
Surface:	E	2	22S	34E		2380	N	1125	W	LEA								
BH:	M	11	23S	34E		50	S	400	W	LEA								
13. Date Spudded 2/23/2020	14. Date T.D. Reached 5/12/2020		15. Date Rig Released 5/17/2020		16. Date Completed (Ready to Produce) 11/10/2020			17. Elevations (DF and RKB, RT, GR, etc.) 3388										
18. Total Measured Depth of Well 17,841'			19. Plug Back Measured Depth 17,835'		20. Was Directional Survey Made? YES			21. Type Electric and Other Logs Run MWD GAMMA RAY										
22. Producing Interval(s), of this completion - Top, Bottom, Name BONESPRING								8,437'										
23. CASING RECORD (Report all strings set in well)																		
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED								
13 3/8		54.5		2107		17 1/2		1790										
9 5/8		40		5352		12 3/4		1385										
5 1/2		17		17840		8 3/4		2385										
24. LINER RECORD																		
SIZE	TOP	BOTTOM		SACKS CEMENT	SCREEN													
26. Perforation record (interval, size, and number) 10,700 – 17,815						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>10,700 – 17,815</td> <td>378,117 FLUID; 18,501,080 #'S SAND</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>					DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	10,700 – 17,815	378,117 FLUID; 18,501,080 #'S SAND				
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED																	
10,700 – 17,815	378,117 FLUID; 18,501,080 #'S SAND																	
28. PRODUCTION																		
Date First Production 11/10/2020		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) PROD												
Date of Test 11/17/2020	24	Choke Size 34/64	Prod'n For Test Period	Oil - Bbl 758	Gas - MCF 937	Water - Bbl. 3476	Gas - Oil Ratio											
Flow Tubing Press. 1400	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl. 758	Gas - MCF 937	Water - Bbl. 3476	Oil Gravity - API - (Corr.) 38												
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD								30. Test Witnessed By										
31. List Attachments																		
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.								33. Rig Release Date:										
34. If an on-site burial was used at the well, report the exact location of the on-site burial:																		
Latitude _____ Longitude _____ NAD83																		
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief																		
Signature <i>Katy Reddell</i> Printed Name KATY REDDELL				REGULATORY ANALYST 12/03/2020														
E-mail Address kreddell@btaoil.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 5562	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 3099	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs 8437	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
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District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 21336

ACKNOWLEDGMENTS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 21336
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

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

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CONDITIONS

Action 21336

CONDITIONS

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	Action Number: 21336
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	6/15/2021