

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address BTA OIL PRODUCERS, LLC 104 S. PECOS MIDLAND, TX.		² OGRID Number 260297	
		³ Reason for Filing Code/ Effective Date NEW WELL	
⁴ API Number 30 – 025-46407	⁵ Pool Name SANDERS TANK-UPR WOLFCAMP		⁶ Pool Code 98097
⁷ Property Code 326144	⁸ Property Name MESA B 8115 FED COM		⁹ Well Number 22H

II. ¹⁰ Surface Location

Ul or lot no. A	Sec 7	Township 26S	Range 33E	Lot Idn	400	NORTH LINE	600	EAST LINE	County LEA
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¹¹ Bottom Hole Location

UL or lot no P	Section 7	Township 26S	Range 33E	Lot Idn	50	SOUTH LINE	350	EAST LINE	LEA	
¹² Lse Code 160973	¹³ Producing Method FLOWING		¹⁴ Gas Connection			¹⁵ C-129 Permit Number	¹⁶ C-129 Effective 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	
371058	ETC FIELD SERVICES LLC 8111 WESTCHESTER DR., STE 600 DALLAS, TX. 75225	

IV. Well Completion Data

²¹ Spud Date 3/5/2020	²² Ready Date 12/17/2020	²³ TD 17,505	²⁴ PBTD 17,475	²⁵ Perforations 12,600’-17,229’	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
14-3/4”		10-3/4”	909		630
10-3/4”		7-5/8”	11935		1650
6-3/4”		5-1/2”-5”	17,500		1455

V. Well Test Data

³¹ Date New Oil 12/17/2020	³² Gas Delivery Date 12/21/2020	³³ Test Date 12/21/2020	³⁴ Test Length 24	³⁵ Tbg. Pressure 4025	³⁶ Csg. Pressure
³⁷ Choke Size 18/64	³⁸ Oil 325	³⁹ Water 2784	⁴⁰ Gas 775		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: <i>Katy Reddell</i>			OIL CONSERVATION DIVISION Approved by: KURT SIMMONS		
Printed name: KATY REDDELL			Title: NM OCD, SANTA FE		
Title: REGULATORY ANALYST			Approval Date: 06/15/2021		
E-mail Address: kreddell@btaoil.com 12/22/2020 432-682-3753					

Date:	Phone:	
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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 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

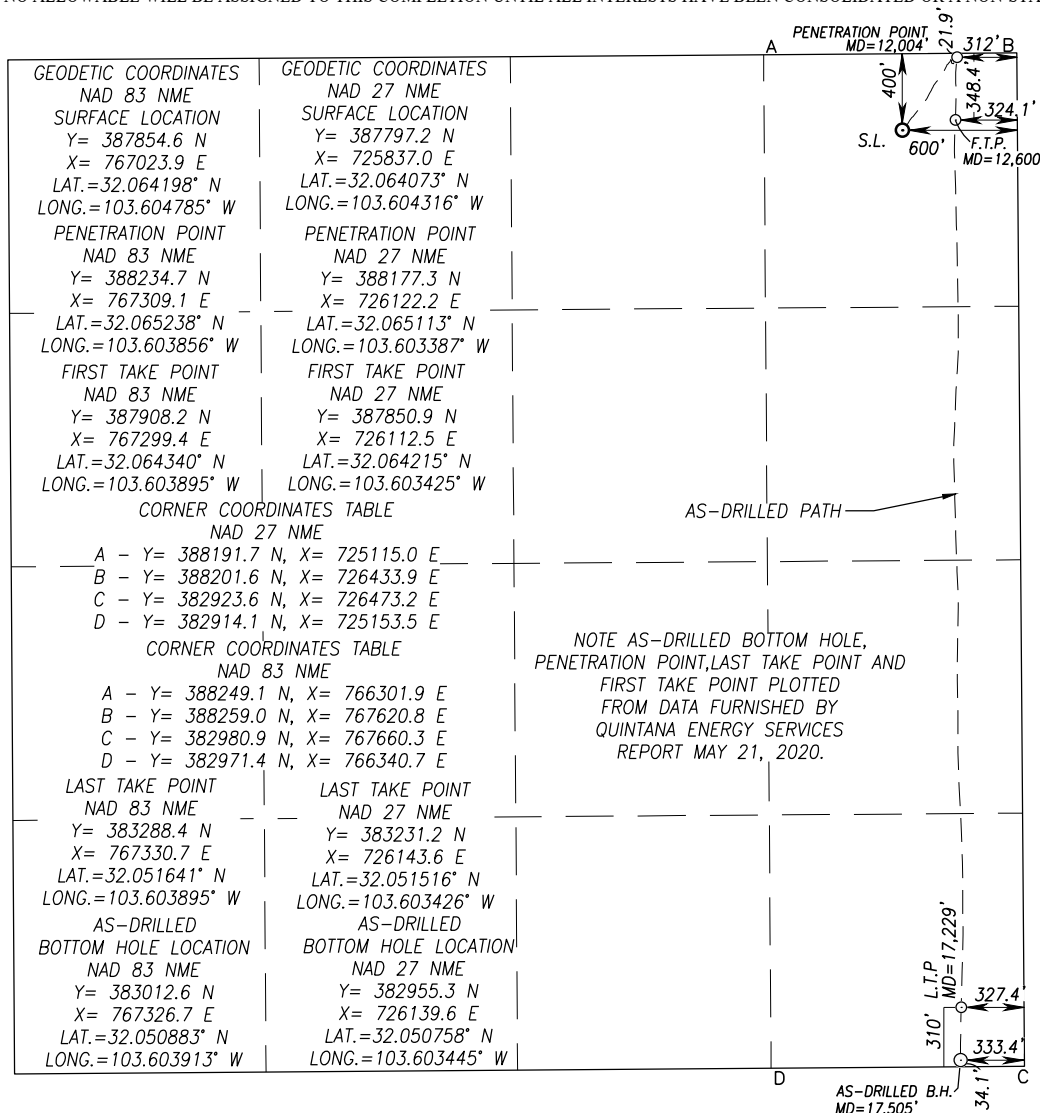
Revised August 1, 2011
Submit one copy to appropriate
District Office

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-46407		Pool Code 98097		Pool Name SANDERS TANK-UPPER WOLFCAMP					
Property Code 326144		Property Name MESA B 8115 FED COM						Well Number 22H	
OGRID No. 260297		Operator Name BTA OIL PRODUCERS, LLC						Elevation 3308'	
Surface Location									
UL or lot No. A	Section 7	Township 26-S	Range 33-E	Lot Idn	Feet from the 400	North/South line NORTH	Feet from the 600	East/West line EAST	County LEA
AS-Drilled Bottom Hole Location If Different From Surface									
UL or lot No. P	Section 7	Township 26-S	Range 33-E	Lot Idn	Feet from the 34.1	North/South line SOUTH	Feet from the 333.4	East/West line EAST	County LEA
Penetration Point Location									
UL or lot No. A	Section 7	Township 26-S	Range 33-E	Lot Idn	Feet from the 21.9	North/South line NORTH	Feet from the 312	East/West line EAST	County LEA
Dedicated Acres 160		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



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 3/18/2021

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 regular 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
Signature & Seal of Professional Surveyor

12641

REGISTERED PROFESSIONAL SURVEYOR

2/26/2021

2/26/2021

2/26/2021

2/26/2021

2/26/2021

2/26/2021

2/26/2021

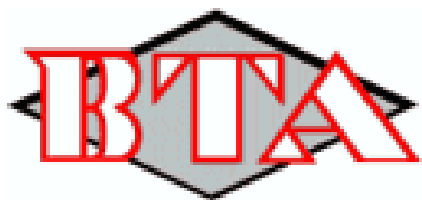
2/26/2021

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2/26/2021



BTA Oil Producers, LLC

Lea County, NM (NAD 83)

Sec 7, T26-S, R33-E

Mesa B 8115 Fed Com #22H

Wellbore #1

Design: Wellbore #1

QES Survey Report

21 May, 2020





QES Survey Report



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa B 8115 Fed Com #22H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3333.0usft (Patterson #566)
Site:	Sec 7, T26-S, R33-E	MD Reference:	WELL @ 3333.0usft (Patterson #566)
Well:	Mesa B 8115 Fed Com #22H	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 7, T26-S, R33-E		
Site Position:		Northing:	387,854.60 usft
From:	Map	Easting:	767,023.90 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 3' 51.113 N
		Longitude:	103° 36' 17.227 W
		Grid Convergence:	0.39 °

Well	Mesa B 8115 Fed Com #22H		
Well Position	+N/-S	0.0 usft	Northing: 387,854.60 usft
	+E/-W	0.0 usft	Easting: 767,023.90 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 3' 51.113 N
		Longitude:	103° 36' 17.227 W
		Ground Level:	3,308.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	5/13/2020	6.55	59.65	47,624.30000000

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	176.37	

Survey Program	Date	5/21/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
284.0	17,505.0	QES MWD Surveys (Wellbore #1)	MWD	OWSG MWD - Standard	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
First MWD Survey @ 284.0'MD / 284.0' TVD									
284.0	0.40	44.00	284.0	0.7	0.7	-0.7	0.14	0.14	0.00
407.0	0.40	76.70	407.0	1.1	1.4	-1.0	0.18	0.00	26.59
631.0	0.40	96.50	631.0	1.2	2.9	-1.0	0.06	0.00	8.84
748.0	0.10	243.80	748.0	1.1	3.3	-0.9	0.42	-0.26	125.90
838.0	0.40	240.50	838.0	0.9	2.9	-0.7	0.33	0.33	-3.67
880.0	0.60	258.80	880.0	0.8	2.6	-0.7	0.60	0.48	43.57
970.0	0.70	272.10	970.0	0.7	1.6	-0.6	0.20	0.11	14.78
1,063.0	2.10	31.80	1,063.0	2.2	1.9	-2.1	2.71	1.51	128.71
1,156.0	5.70	41.70	1,155.7	7.1	5.9	-6.7	3.92	3.87	10.65



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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,249.0	5.90	41.50	1,248.3	14.1	12.1	-13.3	0.22	0.22	-0.22
1,343.0	5.80	42.00	1,341.8	21.3	18.5	-20.1	0.12	-0.11	0.53
1,436.0	5.90	43.30	1,434.3	28.3	24.9	-26.6	0.18	0.11	1.40
1,529.0	6.10	26.90	1,526.8	36.1	30.4	-34.1	1.85	0.22	-17.63
1,622.0	6.50	25.00	1,619.2	45.3	34.9	-43.0	0.48	0.43	-2.04
1,716.0	5.10	37.80	1,712.7	53.4	39.7	-50.8	2.02	-1.49	13.62
1,809.0	5.10	38.20	1,805.4	60.0	44.8	-57.0	0.04	0.00	0.43
1,902.0	5.30	39.60	1,898.0	66.5	50.1	-63.2	0.25	0.22	1.51
1,995.0	5.10	40.80	1,990.6	73.0	55.5	-69.3	0.24	-0.22	1.29
2,088.0	5.30	41.30	2,083.2	79.3	61.0	-75.3	0.22	0.22	0.54
2,182.0	5.70	39.90	2,176.8	86.2	66.9	-81.7	0.45	0.43	-1.49
2,275.0	5.70	37.60	2,269.3	93.4	72.7	-88.6	0.25	0.00	-2.47
2,368.0	5.90	37.50	2,361.9	100.8	78.4	-95.6	0.22	0.22	-0.11
2,461.0	6.00	38.20	2,454.4	108.4	84.3	-102.9	0.13	0.11	0.75
2,554.0	6.20	37.80	2,546.8	116.2	90.4	-110.3	0.22	0.22	-0.43
2,647.0	4.30	39.20	2,639.4	122.9	95.7	-116.6	2.05	-2.04	1.51
2,740.0	4.20	36.60	2,732.2	128.3	99.9	-121.7	0.23	-0.11	-2.80
2,834.0	4.60	38.50	2,825.9	134.0	104.3	-127.2	0.45	0.43	2.02
2,927.0	4.80	37.80	2,918.6	140.0	109.0	-132.8	0.22	0.22	-0.75
3,020.0	4.80	38.50	3,011.3	146.1	113.8	-138.6	0.06	0.00	0.75
3,113.0	4.80	35.90	3,103.9	152.3	118.5	-144.5	0.23	0.00	-2.80
3,206.0	4.80	32.20	3,196.6	158.8	122.9	-150.7	0.33	0.00	-3.98
3,299.0	4.90	32.90	3,289.3	165.4	127.1	-157.0	0.12	0.11	0.75
3,393.0	4.60	31.70	3,382.9	172.0	131.3	-163.3	0.34	-0.32	-1.28
3,486.0	4.60	26.40	3,475.7	178.5	134.9	-169.6	0.46	0.00	-5.70
3,579.0	4.90	25.30	3,568.3	185.4	138.3	-176.3	0.34	0.32	-1.18
3,672.0	5.30	26.60	3,661.0	192.9	141.9	-183.5	0.45	0.43	1.40
3,765.0	5.60	29.70	3,753.5	200.6	146.1	-191.0	0.45	0.32	3.33
3,859.0	6.00	30.60	3,847.1	208.9	150.8	-198.9	0.44	0.43	0.96
3,952.0	6.10	25.30	3,939.5	217.5	155.4	-207.2	0.61	0.11	-5.70
4,045.0	5.80	20.40	4,032.0	226.4	159.2	-215.9	0.63	-0.32	-5.27
4,138.0	5.10	33.80	4,124.6	234.2	163.1	-223.4	1.56	-0.75	14.41
4,231.0	5.00	37.80	4,217.3	240.9	167.9	-229.7	0.39	-0.11	4.30
4,324.0	4.70	35.50	4,309.9	247.2	172.6	-235.7	0.38	-0.32	-2.47
4,418.0	4.70	40.80	4,403.6	253.2	177.3	-241.5	0.46	0.00	5.64
4,511.0	4.50	53.30	4,496.3	258.3	182.7	-246.2	1.10	-0.22	13.44
4,604.0	4.40	59.30	4,589.0	262.3	188.7	-249.8	0.51	-0.11	6.45
4,697.0	4.00	36.10	4,681.8	266.7	193.7	-253.9	1.86	-0.43	-24.95
4,790.0	3.80	30.80	4,774.6	272.0	197.2	-259.0	0.44	-0.22	-5.70
4,884.0	3.70	32.90	4,868.4	277.2	200.5	-264.0	0.18	-0.11	2.23
4,977.0	3.70	32.40	4,961.2	282.3	203.7	-268.8	0.03	0.00	-0.54
5,070.0	3.70	31.10	5,054.0	287.4	206.8	-273.7	0.09	0.00	-1.40
5,163.0	3.90	29.40	5,146.8	292.7	210.0	-278.8	0.25	0.22	-1.83



QES
Survey Report



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa B 8115 Fed Com #22H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3333.0usft (Patterson #566)
Site:	Sec 7, T26-S, R33-E	MD Reference:	WELL @ 3333.0usft (Patterson #566)
Well:	Mesa B 8115 Fed Com #22H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,257.0	4.00	26.90	5,240.6	298.4	213.0	-284.3	0.21	0.11	-2.66	
Cross 100' HL@ 5305.8' MD / 5289.2' TVD										
5,305.8	4.10	25.24	5,289.2	301.5	214.5	-287.3	0.32	0.21	-3.41	
5,350.0	4.20	23.80	5,333.3	304.4	215.8	-290.1	0.32	0.22	-3.25	
5,443.0	4.30	22.90	5,426.1	310.7	218.6	-296.3	0.13	0.11	-0.97	
5,536.0	4.40	23.80	5,518.8	317.2	221.4	-302.6	0.13	0.11	0.97	
5,629.0	4.70	26.70	5,611.5	323.9	224.5	-309.0	0.41	0.32	3.12	
5,722.0	4.70	23.20	5,704.2	330.8	227.7	-315.7	0.31	0.00	-3.76	
5,816.0	4.00	24.30	5,797.9	337.3	230.6	-322.0	0.75	-0.74	1.17	
5,909.0	3.30	41.70	5,890.7	342.3	233.7	-326.8	1.40	-0.75	18.71	
6,002.0	3.30	40.50	5,983.6	346.3	237.2	-330.6	0.07	0.00	-1.29	
6,095.0	3.30	42.20	6,076.4	350.3	240.8	-334.4	0.11	0.00	1.83	
6,188.0	3.20	43.30	6,169.3	354.2	244.4	-338.0	0.13	-0.11	1.18	
6,281.0	3.10	40.60	6,262.1	358.0	247.8	-341.6	0.19	-0.11	-2.90	
6,374.0	1.70	32.50	6,355.1	361.1	250.1	-344.5	1.55	-1.51	-8.71	
6,467.0	1.60	23.60	6,448.0	363.4	251.4	-346.8	0.30	-0.11	-9.57	
6,560.0	1.80	20.90	6,541.0	366.0	252.4	-349.3	0.23	0.22	-2.90	
6,653.0	1.80	21.60	6,633.9	368.7	253.5	-351.9	0.02	0.00	0.75	
6,746.0	0.40	120.80	6,726.9	369.9	254.3	-353.0	2.05	-1.51	106.67	
6,839.0	0.70	162.80	6,819.9	369.2	254.8	-352.3	0.52	0.32	45.16	
6,932.0	0.70	159.80	6,912.9	368.1	255.1	-351.2	0.04	0.00	-3.23	
7,025.0	0.80	167.50	7,005.9	366.9	255.5	-350.0	0.15	0.11	8.28	
7,118.0	0.90	160.90	7,098.9	365.6	255.9	-348.7	0.15	0.11	-7.10	
7,211.0	0.70	154.70	7,191.9	364.4	256.3	-347.4	0.23	-0.22	-6.67	
7,304.0	0.80	164.00	7,284.9	363.3	256.8	-346.3	0.17	0.11	10.00	
7,397.0	0.60	195.10	7,377.9	362.2	256.8	-345.2	0.45	-0.22	33.44	
7,491.0	0.70	189.70	7,471.9	361.1	256.6	-344.2	0.12	0.11	-5.74	
7,584.0	0.80	182.50	7,564.9	359.9	256.5	-343.0	0.15	0.11	-7.74	
7,677.0	1.00	183.50	7,657.8	358.5	256.4	-341.5	0.22	0.22	1.08	
7,770.0	0.70	183.70	7,750.8	357.1	256.3	-340.1	0.32	-0.32	0.22	
7,863.0	0.90	193.70	7,843.8	355.8	256.1	-338.9	0.26	0.22	10.75	
7,957.0	1.00	185.50	7,937.8	354.3	255.8	-337.4	0.18	0.11	-8.72	
8,050.0	1.20	182.00	8,030.8	352.5	255.7	-335.6	0.23	0.22	-3.76	
8,143.0	0.70	114.50	8,123.8	351.3	256.2	-334.4	1.22	-0.54	-72.58	
8,236.0	0.80	110.80	8,216.8	350.8	257.3	-333.8	0.12	0.11	-3.98	
8,330.0	0.90	110.60	8,310.8	350.3	258.6	-333.3	0.11	0.11	-0.21	
8,423.0	0.80	120.60	8,403.7	349.7	259.9	-332.6	0.19	-0.11	10.75	
8,516.0	0.70	110.10	8,496.7	349.2	261.0	-332.0	0.18	-0.11	-11.29	
8,609.0	0.70	118.20	8,589.7	348.8	262.0	-331.5	0.11	0.00	8.71	
8,702.0	0.70	121.80	8,682.7	348.2	263.0	-330.8	0.05	0.00	3.87	
8,796.0	0.70	129.10	8,776.7	347.5	263.9	-330.1	0.09	0.00	7.77	
8,888.0	0.90	113.10	8,868.7	346.9	265.0	-329.4	0.32	0.22	-17.39	
8,982.0	0.80	30.40	8,962.7	347.2	266.0	-329.6	1.20	-0.11	-87.98	



QES
Survey Report



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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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,075.0	1.10	31.50	9,055.7	348.5	266.8	-330.9	0.32	0.32	1.18	
9,168.0	1.50	45.00	9,148.7	350.1	268.2	-332.4	0.54	0.43	14.52	
9,261.0	2.00	47.70	9,241.6	352.1	270.2	-334.2	0.54	0.54	2.90	
9,354.0	2.30	28.80	9,334.6	354.8	272.3	-336.8	0.82	0.32	-20.32	
9,448.0	2.40	15.80	9,428.5	358.3	273.8	-340.3	0.58	0.11	-13.83	
9,541.0	3.60	21.60	9,521.4	362.9	275.4	-344.8	1.33	1.29	6.24	
9,634.0	2.90	27.80	9,614.2	367.7	277.5	-349.4	0.84	-0.75	6.67	
9,727.0	1.80	7.10	9,707.1	371.2	278.8	-352.9	1.48	-1.18	-22.26	
9,820.0	1.50	19.50	9,800.1	373.8	279.4	-355.4	0.50	-0.32	13.33	
9,913.0	0.70	50.30	9,893.1	375.4	280.2	-356.9	1.04	-0.86	33.12	
10,007.0	0.70	41.50	9,987.1	376.2	281.1	-357.6	0.11	0.00	-9.36	
10,100.0	0.50	113.80	10,080.1	376.4	281.8	-357.8	0.78	-0.22	77.74	
10,193.0	0.70	59.80	10,173.1	376.5	282.7	-357.9	0.62	0.22	-58.06	
10,286.0	1.20	63.50	10,266.0	377.3	284.0	-358.5	0.54	0.54	3.98	
10,379.0	0.90	100.40	10,359.0	377.6	285.6	-358.7	0.78	-0.32	39.68	
10,472.0	0.40	262.30	10,452.0	377.4	286.0	-358.5	1.38	-0.54	174.09	
10,565.0	0.80	215.40	10,545.0	376.8	285.3	-358.0	0.65	0.43	-50.43	
10,659.0	0.60	146.30	10,639.0	375.9	285.2	-357.1	0.86	-0.21	-73.51	
10,752.0	1.10	282.00	10,732.0	375.6	284.6	-356.9	1.71	0.54	145.91	
10,845.0	1.60	325.60	10,825.0	376.9	283.0	-358.2	1.19	0.54	46.88	
10,938.0	1.80	332.10	10,917.9	379.3	281.6	-360.7	0.30	0.22	6.99	
11,031.0	1.50	356.50	11,010.9	381.8	280.8	-363.2	0.81	-0.32	26.24	
11,125.0	1.80	359.00	11,104.9	384.5	280.7	-365.9	0.33	0.32	2.66	
11,218.0	0.90	103.70	11,197.8	385.8	281.4	-367.2	2.37	-0.97	112.58	
11,311.0	1.10	59.10	11,290.8	386.0	282.9	-367.4	0.84	0.22	-47.96	
11,404.0	0.10	53.30	11,383.8	386.6	283.7	-367.8	1.08	-1.08	-6.24	
11,498.0	0.40	178.30	11,477.8	386.3	283.8	-367.5	0.49	0.32	132.98	
11,591.0	0.50	156.30	11,570.8	385.6	284.0	-366.8	0.21	0.11	-23.66	
11,684.0	0.70	176.70	11,663.8	384.6	284.2	-365.9	0.31	0.22	21.94	
11,777.0	0.40	161.20	11,756.8	383.8	284.3	-365.0	0.36	-0.32	-16.67	
11,870.0	0.40	142.90	11,849.8	383.2	284.6	-364.4	0.14	0.00	-19.68	
11,881.0	0.50	153.80	11,860.8	383.1	284.6	-364.3	1.19	0.91	99.09	
11,938.0	0.70	141.50	11,917.8	382.6	285.0	-363.8	0.42	0.35	-21.58	
11,985.0	0.70	149.60	11,964.8	382.2	285.3	-363.3	0.21	0.00	17.23	
12,080.0	11.10	185.60	12,059.2	372.5	284.7	-353.8	11.10	10.95	37.89	
12,175.0	23.50	186.70	12,149.7	344.5	281.6	-326.0	13.06	13.05	1.16	
Cross 100' HL@ 12267.0' MD / 12231.1' TVD										
12,267.0	31.83	182.50	12,231.1	302.0	278.4	-283.7	9.29	9.05	-4.56	
12,270.0	32.10	182.40	12,233.7	300.4	278.3	-282.2	9.29	9.11	-3.43	
12,365.0	39.30	177.80	12,310.8	245.0	278.4	-226.9	8.08	7.58	-4.84	
12,410.0	44.00	178.00	12,344.4	215.1	279.5	-197.0	10.45	10.44	0.44	
12,460.0	51.40	179.80	12,378.0	178.2	280.2	-160.1	15.04	14.80	3.60	
12,555.0	67.40	183.30	12,426.2	96.8	277.8	-79.0	17.13	16.84	3.68	
12,650.0	80.10	182.70	12,452.8	5.9	273.0	11.4	13.38	13.37	-0.63	



QES Survey Report



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa B 8115 Fed Com #22H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3333.0usft (Patterson #566)
Site:	Sec 7, T26-S, R33-E	MD Reference:	WELL @ 3333.0usft (Patterson #566)
Well:	Mesa B 8115 Fed Com #22H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,745.0	86.10	179.40	12,464.2	-88.4	271.3	105.4	7.20	6.32	-3.47
12,773.0	86.80	178.60	12,465.9	-116.3	271.8	133.3	3.79	2.50	-2.86
12,868.0	91.50	177.40	12,467.3	-211.2	275.1	228.2	5.11	4.95	-1.26
12,963.0	91.00	179.00	12,465.3	-306.2	278.1	323.1	1.76	-0.53	1.68
13,058.0	90.70	178.90	12,463.8	-401.1	279.8	418.0	0.33	-0.32	-0.11
13,153.0	88.00	178.60	12,464.9	-496.1	281.9	512.9	2.86	-2.84	-0.32
13,247.0	87.00	178.50	12,469.0	-590.0	284.3	606.8	1.07	-1.06	-0.11
13,343.0	88.40	179.30	12,472.9	-685.9	286.1	702.6	1.68	1.46	0.83
13,438.0	87.80	179.10	12,476.0	-780.8	287.5	797.4	0.67	-0.63	-0.21
13,532.0	86.30	178.70	12,480.9	-874.7	289.3	891.2	1.65	-1.60	-0.43
13,627.0	86.70	179.60	12,486.7	-969.5	290.7	985.9	1.04	0.42	0.95
13,722.0	87.40	179.80	12,491.5	-1,064.3	291.2	1,080.6	0.77	0.74	0.21
13,816.0	87.80	180.40	12,495.5	-1,158.3	291.0	1,174.4	0.77	0.43	0.64
13,911.0	95.60	185.50	12,492.7	-1,253.0	286.1	1,268.6	9.81	8.21	5.37
14,007.0	88.00	182.00	12,489.7	-1,348.7	279.9	1,363.7	8.71	-7.92	-3.65
14,101.0	88.30	182.00	12,492.7	-1,442.5	276.6	1,457.2	0.32	0.32	0.00
14,196.0	88.70	183.30	12,495.2	-1,537.4	272.2	1,551.6	1.43	0.42	1.37
14,291.0	89.60	181.90	12,496.6	-1,632.3	267.9	1,646.0	1.75	0.95	-1.47
14,386.0	87.60	178.30	12,498.9	-1,727.3	267.7	1,740.7	4.33	-2.11	-3.79
14,481.0	87.40	178.10	12,503.0	-1,822.1	270.7	1,835.6	0.30	-0.21	-0.21
14,575.0	88.40	178.80	12,506.5	-1,916.0	273.2	1,929.5	1.30	1.06	0.74
14,670.0	88.80	177.90	12,508.8	-2,010.9	276.0	2,024.4	1.04	0.42	-0.95
14,765.0	90.90	179.40	12,509.1	-2,105.9	278.2	2,119.3	2.72	2.21	1.58
14,860.0	91.30	177.80	12,507.2	-2,200.9	280.5	2,214.2	1.74	0.42	-1.68
14,955.0	87.90	176.70	12,507.9	-2,295.7	285.1	2,309.2	3.76	-3.58	-1.16
15,050.0	85.80	177.40	12,513.1	-2,390.5	290.0	2,404.0	2.33	-2.21	0.74
15,145.0	88.60	180.60	12,517.8	-2,485.3	291.6	2,498.8	4.47	2.95	3.37
15,240.0	88.20	181.30	12,520.4	-2,580.3	290.0	2,593.4	0.85	-0.42	0.74
15,334.0	87.30	181.20	12,524.1	-2,674.2	288.0	2,687.0	0.96	-0.96	-0.11
15,429.0	88.40	181.20	12,527.7	-2,769.1	286.0	2,781.6	1.16	1.16	0.00
15,524.0	85.10	178.50	12,533.1	-2,863.9	286.2	2,876.3	4.49	-3.47	-2.84
15,619.0	86.70	178.60	12,539.8	-2,958.6	288.6	2,971.0	1.69	1.68	0.11
15,714.0	89.10	179.70	12,543.3	-3,053.5	290.1	3,065.8	2.78	2.53	1.16
15,809.0	88.90	180.80	12,545.0	-3,148.5	289.6	3,160.5	1.18	-0.21	1.16
15,903.0	88.20	178.90	12,547.4	-3,242.5	289.9	3,254.3	2.15	-0.74	-2.02
15,998.0	88.70	178.00	12,549.9	-3,337.4	292.5	3,349.2	1.08	0.53	-0.95
16,092.0	88.80	177.50	12,552.0	-3,431.3	296.1	3,443.2	0.54	0.11	-0.53
16,187.0	87.10	176.50	12,555.4	-3,526.1	301.1	3,538.1	2.08	-1.79	-1.05
16,282.0	87.10	177.80	12,560.2	-3,620.9	305.8	3,633.0	1.37	0.00	1.37
16,377.0	86.20	177.40	12,565.7	-3,715.6	309.8	3,727.8	1.04	-0.95	-0.42
16,471.0	88.00	178.80	12,570.5	-3,809.5	312.9	3,821.6	2.42	1.91	1.49
16,566.0	90.20	179.00	12,572.0	-3,904.4	314.7	3,916.5	2.33	2.32	0.21
16,660.0	88.90	180.20	12,572.7	-3,998.4	315.4	4,010.4	1.88	-1.38	1.28



QES
Survey Report



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa B 8115 Fed Com #22H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3333.0usft (Patterson #566)
Site:	Sec 7, T26-S, R33-E	MD Reference:	WELL @ 3333.0usft (Patterson #566)
Well:	Mesa B 8115 Fed Com #22H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
16,755.0	88.90	179.90	12,574.6	-4,093.4	315.3	4,105.2	0.32	0.00	-0.32	
16,850.0	86.00	179.70	12,578.8	-4,188.3	315.6	4,199.9	3.06	-3.05	-0.21	
16,945.0	87.90	182.00	12,583.8	-4,283.1	314.2	4,294.4	3.14	2.00	2.42	
17,040.0	89.10	181.40	12,586.3	-4,378.1	311.4	4,389.0	1.41	1.26	-0.63	
17,133.0	89.00	181.40	12,587.9	-4,471.0	309.1	4,481.6	0.11	-0.11	0.00	
17,228.0	89.20	181.40	12,589.4	-4,566.0	306.8	4,576.2	0.21	0.21	0.00	
17,322.0	88.50	180.80	12,591.2	-4,659.9	305.0	4,669.9	0.98	-0.74	-0.64	
17,417.0	89.30	180.80	12,593.1	-4,754.9	303.7	4,764.6	0.84	0.84	0.00	
Cross 100' HL@ 17438.2' MD / 12593.4' TVD										
17,438.2	89.16	180.59	12,593.4	-4,776.1	303.4	4,785.7	1.16	-0.65	-0.97	
17,448.0	89.10	180.50	12,593.5	-4,785.9	303.3	4,795.5	1.16	-0.65	-0.97	
TD @ 17505.0' MD / 12594.4' TVD										
17,505.0	89.10	180.50	12,594.4	-4,842.9	302.8	4,852.4	0.00	0.00	0.00	

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
284.0	284.0	0.7	0.7	First MWD Survey @ 284.0'MD / 284.0' TVD	
5,305.8	5,289.2	301.5	214.5	Cross 100' HL@ 5305.8' MD / 5289.2' TVD	
12,267.0	12,231.1	302.0	278.4	Cross 100' HL@ 12267.0' MD / 12231.1' TVD	
17,438.2	12,593.4	-4,776.1	303.4	Cross 100' HL@ 17438.2' MD / 12593.4' TVD	
17,505.0	12,594.4	-4,842.9	302.8	TD @ 17505.0' MD / 12594.4' TVD	

**QES DIRECTIONAL DRILLING**

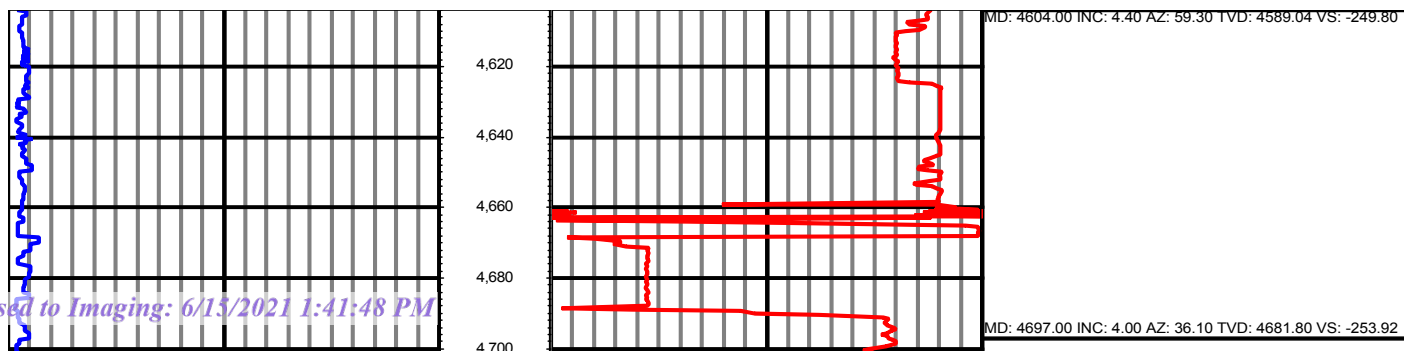
Quintana Energy Services
13000 W. Hwy 80 East
Odessa TX, 79765

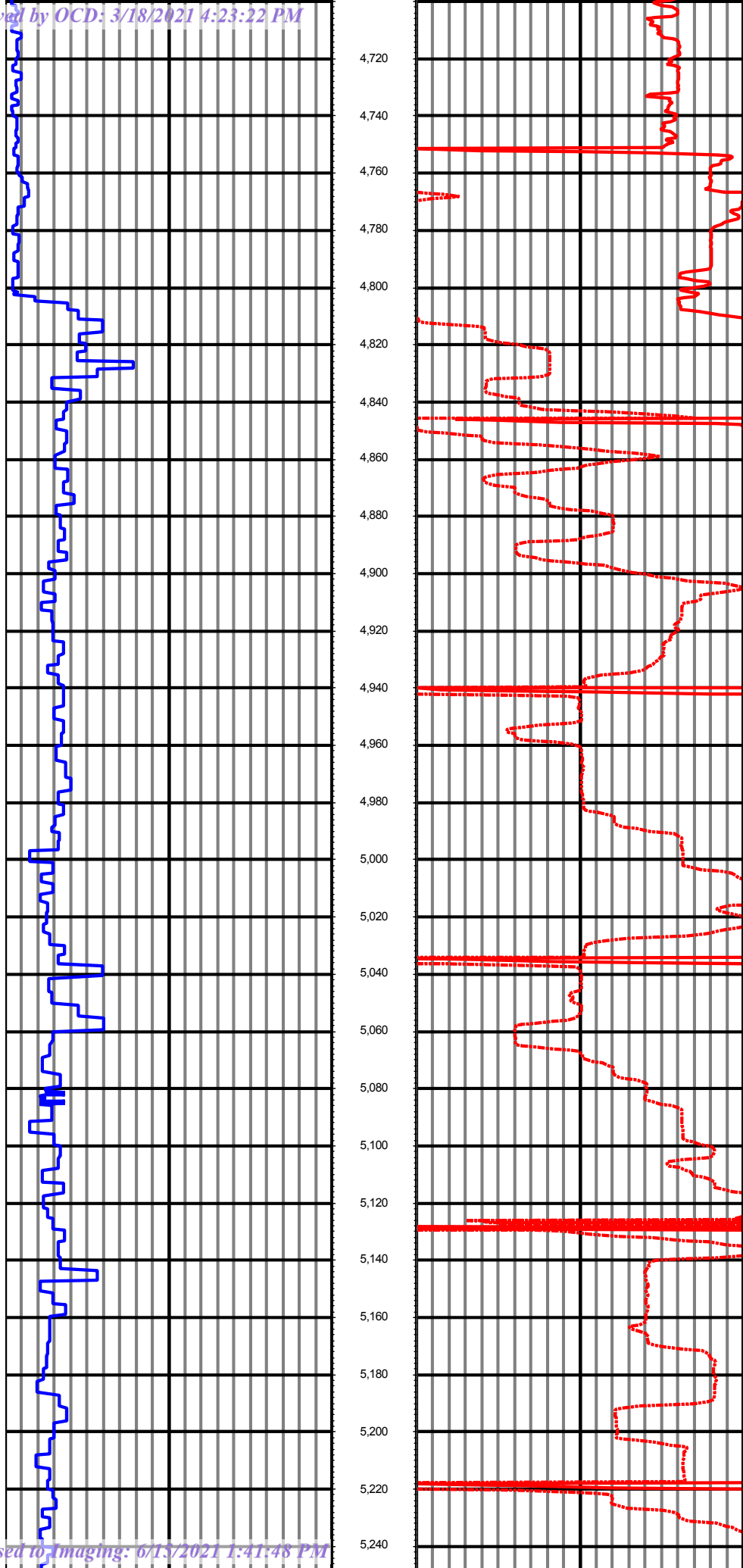
MESA B 8115 FED COM 22H**Scale 2":100' - MD****5/20/2020 5:07 PM****Oper. Company:** BTA OIL PRODUCERS**Well:** MESA B 8115 FED COM 22H**Field:** WOLFCAMP**Rig:** PATTERSON 566**Well ID:** 30-025-46407**Job Number:** WT-200588**State:** NEW MEXICO**County:** LEA**Country:** UNITED STATES**Location:** SEC 7, T26-S, R33-E**Start Date:** 03/04/2020 00:00:00**End Date:** 05/20/2020 16:45:00**Latitude:** 32 3' 51.113" N**Longitude:** 103 36' 17.227" W**Elev GL:** 3308**Elev DF:** 28**Elev KB:** 3336**Operator 1:** D. Jackson**Operator 2:** S. Harmon

Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	8401 TITAN	C508 TITAN	C508 TITAN	G606 TITAN	G606 TITAN
Bit Size	9 7/8	8 3/4	8 3/4	6 3/4	6 3/4
Cal Factor	3.88	3.88	3.88	1.5	2.88
Survey Offset	54.00	52.00	54.00	57.00	57.00
Gamma Offset	44.00	42.00	44.00	46.00	46.00
Resistivity Offset	0.00	0.00	0.00	0.00	0.00
Start Depth	909.00	7960.00	11114.00	11935.00	12826.00
StartDate	3/7/2020	3/10/2020	3/13/2020	5/13/2020	5/16/2020
StartTime	09:00	10:36	12:53	10:02	12:17
EndDepth	7960.00	11114.00	11935.00	12826.00	17505.00
EndDate	3/10/2020	3/13/2020	3/15/2020	5/16/2020	5/20/2020
EndTime	10:38	12:53	12:53	05:30	02:45
Mud Type	EMULSION	EMULSION	EMULSION	OBM	OBM
Mud Weight	9.5	9.4	9.4	13.1	13.1
Funnel Viscosity	48	41	41	70	69
Temperature	131	138	158	163	208
Hole Data			Casing Data		
Size	From	To	Size	From	To
14 3/4	0.00	909.00	10 3/4	0.00	909.00
9 7/8	909.00	7960.00	7 3/4	909.00	11935.00
8 3/4	7960.00	11935.00	5	11935.00	17505.00
6 3/4	11935.00	17505.00			

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) 255.00 MD 0.00 ROP(FT/HR) 250.00 Surveys (MD/INC/AZ/TVD/VS)





MD: 4790.00 INC: 3.80 AZ: 30.80 TVD: 4774.58 VS: -258.96

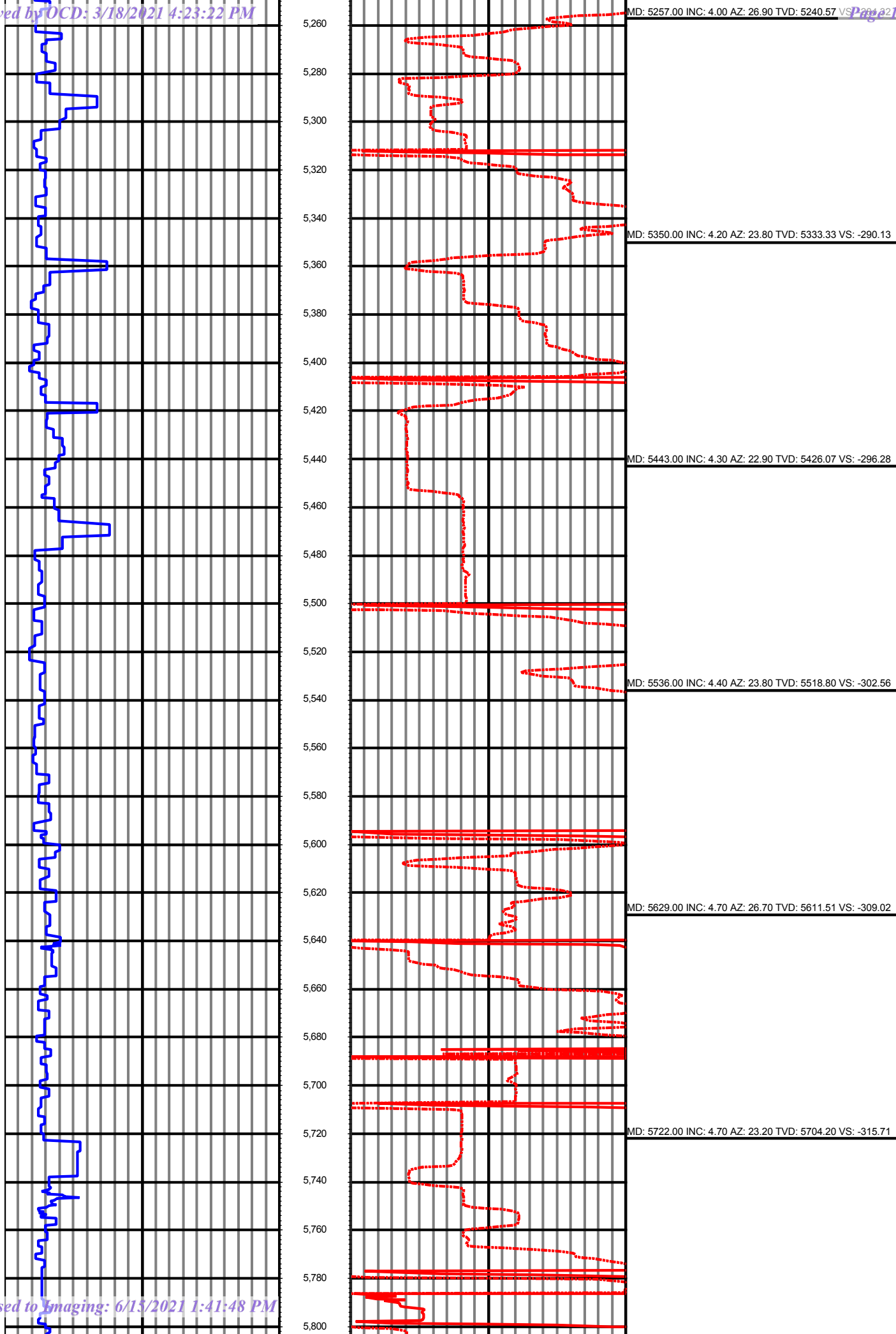
MD: 4884.00 INC: 3.70 AZ: 32.90 TVD: 4868.38 VS: -263.97

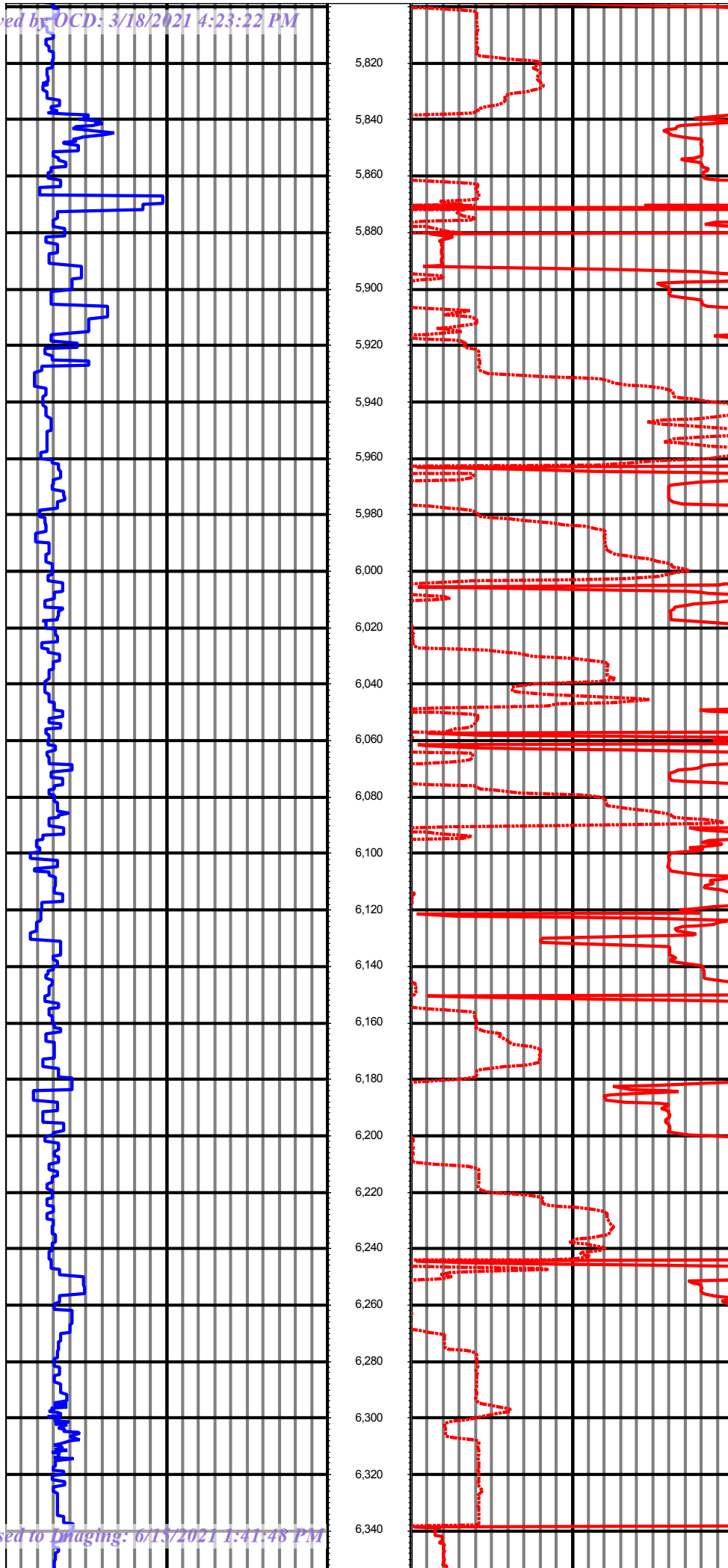
MD: 4977.00 INC: 3.70 AZ: 32.40 TVD: 4961.19 VS: -268.80

MD: 5070.00 INC: 3.70 AZ: 31.10 TVD: 5053.99 VS: -273.70

MD: 5163.00 INC: 3.90 AZ: 29.40 TVD: 5146.79 VS: -278.81

MD: 5257.00 INC: 4.20 AZ: 32.20 TVD: 5249.57 VS: -284.92





MD: 5816.00 INC: 4.00 AZ: 24.30 TVD: 5797.93 VS: -322.04

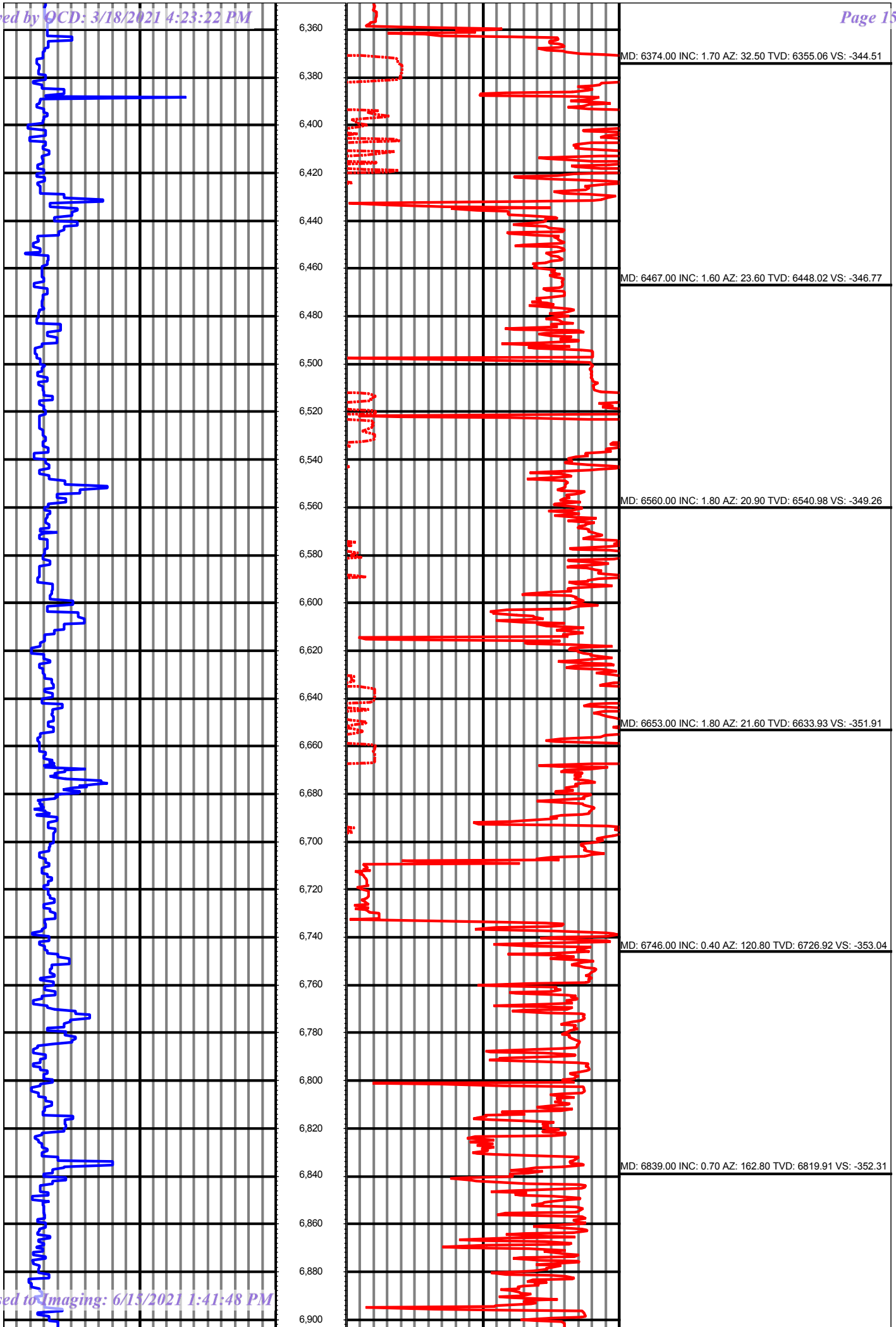
MD: 5909.00 INC: 3.30 AZ: 41.70 TVD: 5890.74 VS: -326.79

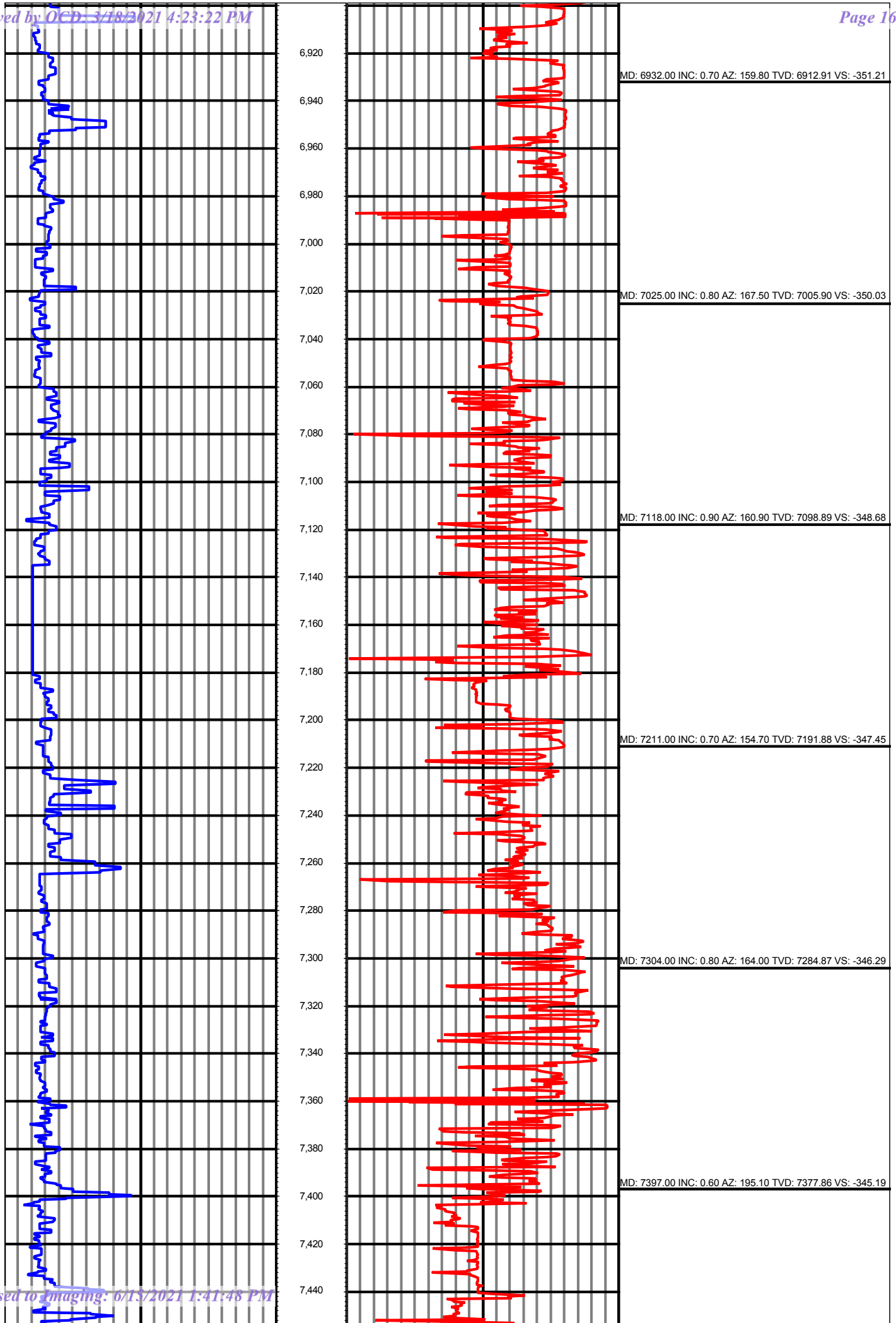
MD: 6002.00 INC: 3.30 AZ: 40.50 TVD: 5983.59 VS: -330.59

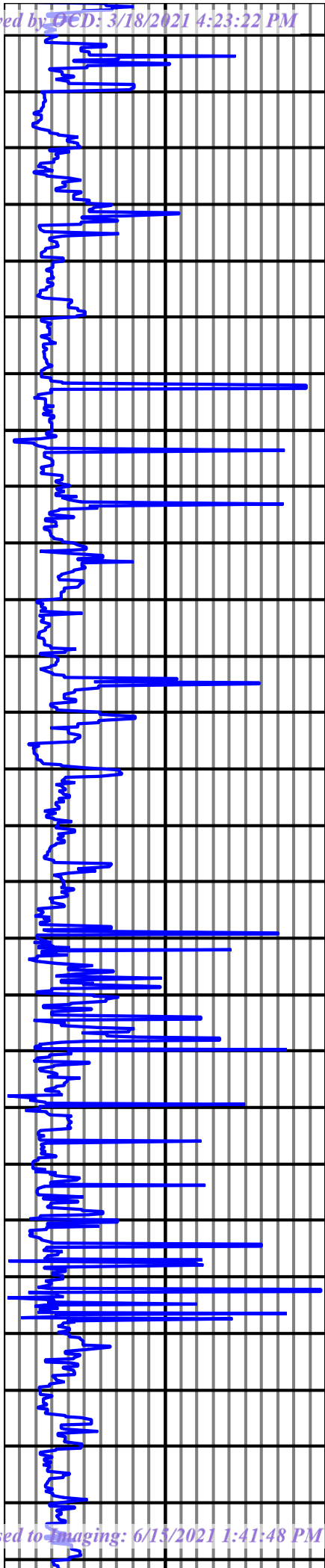
MD: 6095.00 INC: 3.30 AZ: 42.20 TVD: 6076.43 VS: -334.38

MD: 6188.00 INC: 3.20 AZ: 43.30 TVD: 6169.28 VS: -338.01

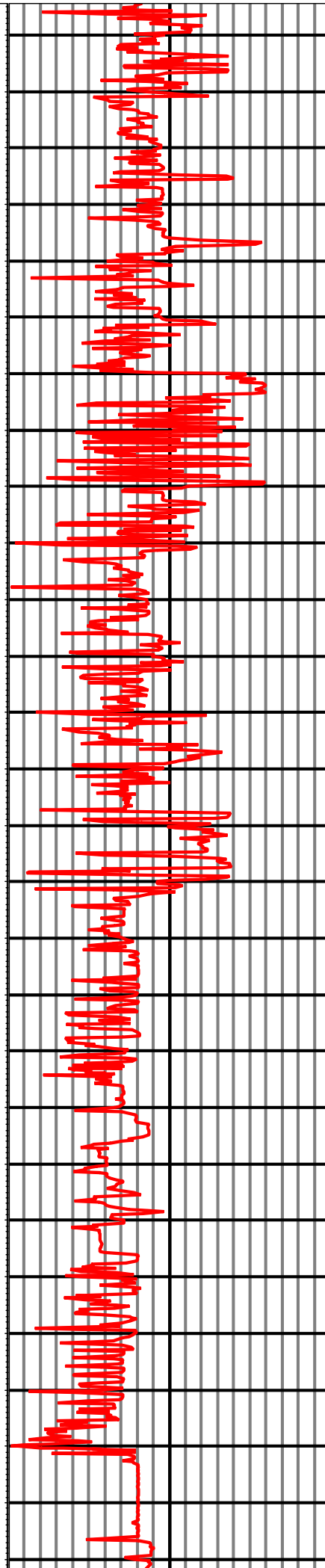
MD: 6281.00 INC: 3.10 AZ: 40.60 TVD: 6262.14 VS: -341.59







7,460
7,480
7,500
7,520
7,540
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7,580
7,600
7,620
7,640
7,660
7,680
7,700
7,720
7,740
7,760
7,780
7,800
7,820
7,840
7,860
7,880
7,900
7,920
7,940
7,960
7,980
8,000



MD: 7491.00 INC: 0.70 AZ: 189.70 TVD: 7471.86 VS: -344.17

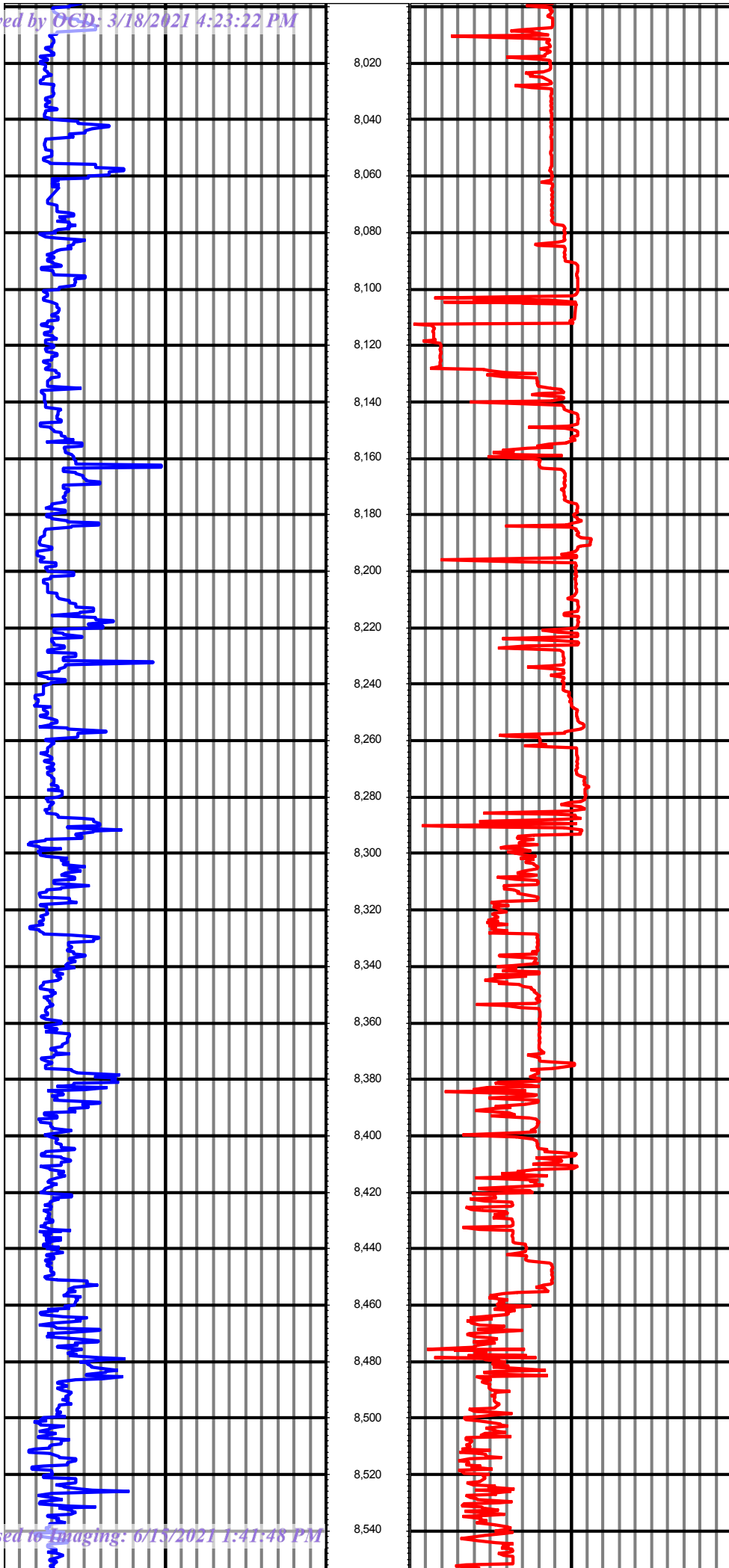
MD: 7584.00 INC: 0.80 AZ: 182.50 TVD: 7564.85 VS: -342.97

MD: 7677.00 INC: 1.00 AZ: 183.50 TVD: 7657.84 VS: -341.52

MD: 7770.00 INC: 0.70 AZ: 183.70 TVD: 7750.83 VS: -340.15

MD: 7863.00 INC: 0.90 AZ: 193.70 TVD: 7843.82 VS: -338.89

MD: 7957.00 INC: 1.00 AZ: 185.50 TVD: 7937.81 VS: -337.37



MD: 8050.00 INC: 1.20 AZ: 182.00 TVD: 8030.79 VS: -335.60

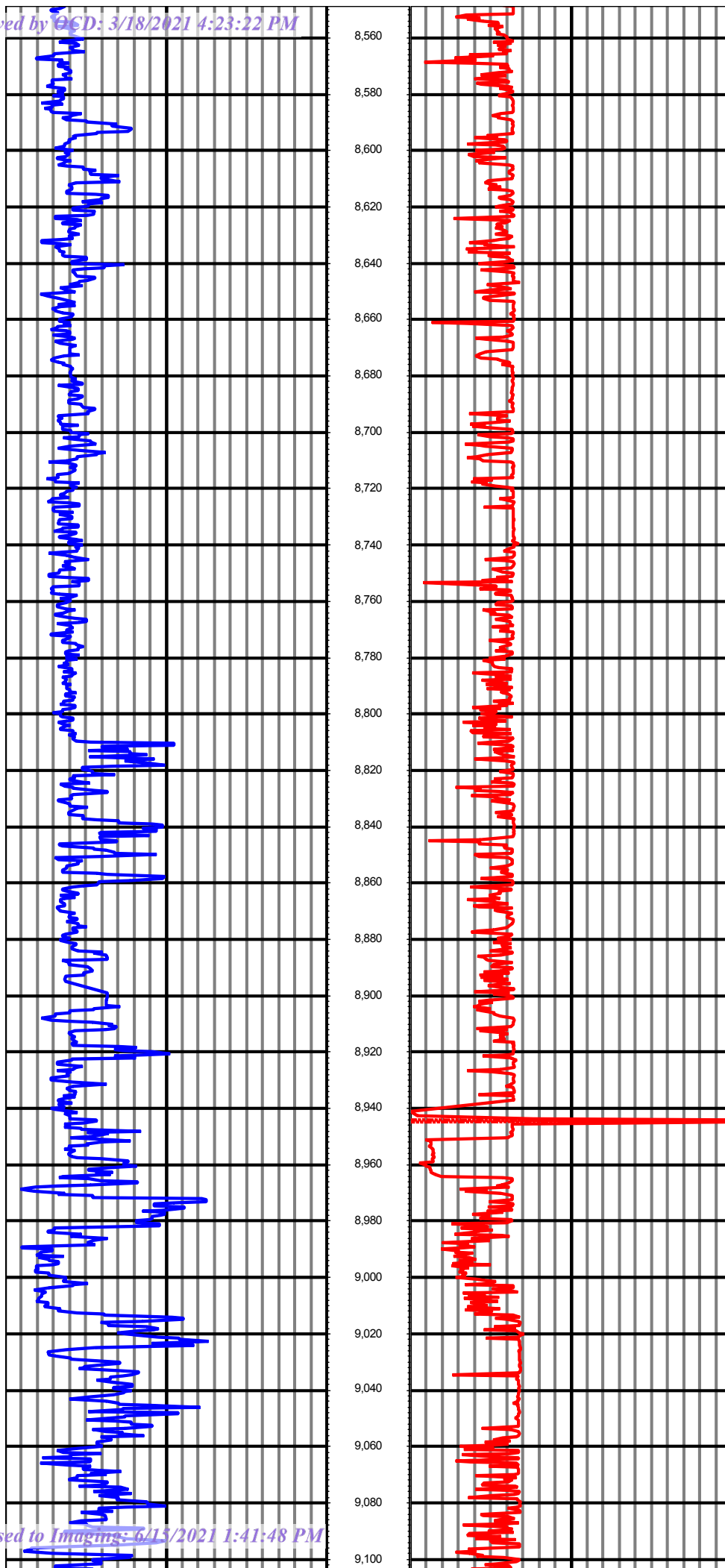
MD: 8143.00 INC: 0.70 AZ: 114.50 TVD: 8123.78 VS: -334.37

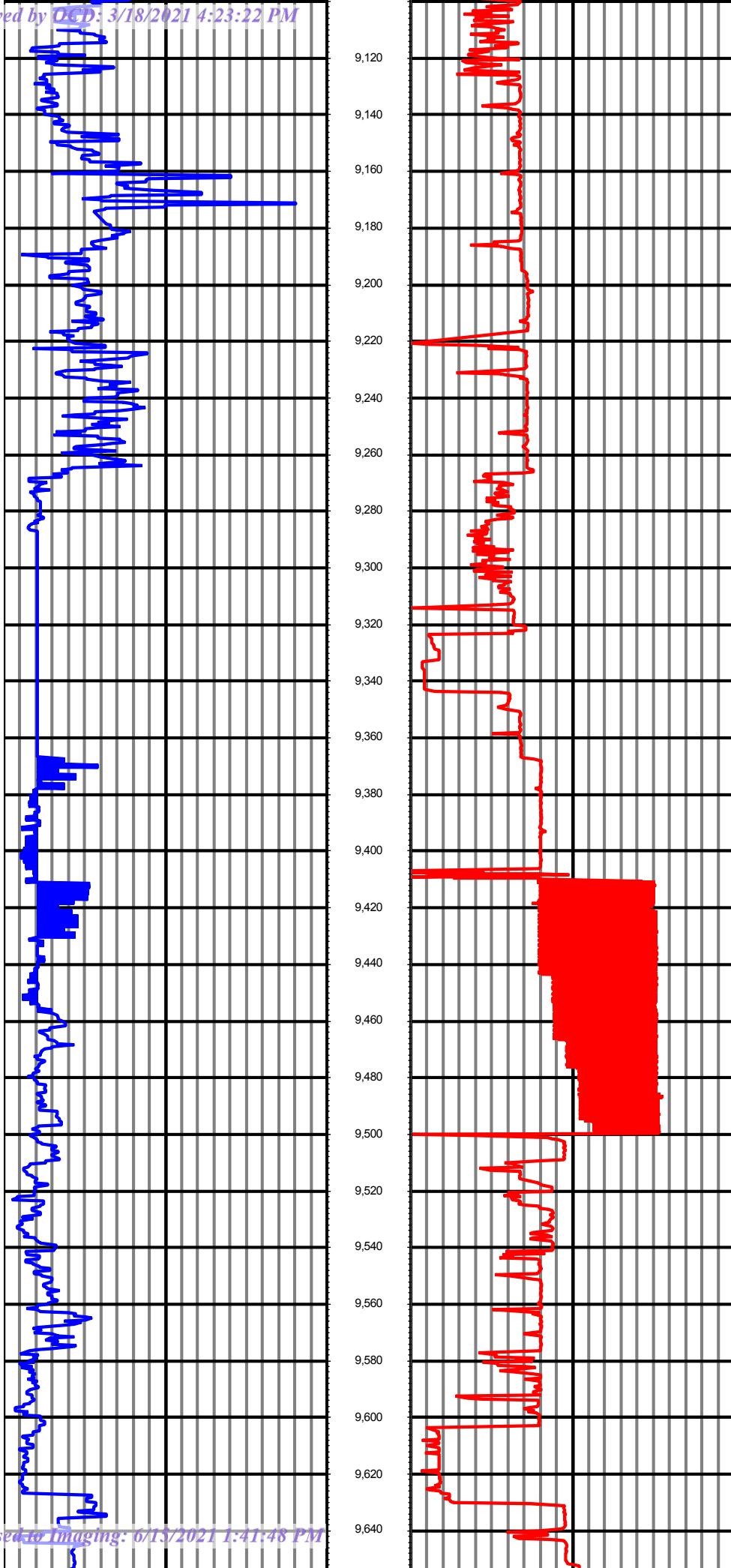
MD: 8236.00 INC: 0.80 AZ: 110.80 TVD: 8216.77 VS: -333.83

MD: 8330.00 INC: 0.90 AZ: 110.60 TVD: 8310.76 VS: -333.26

MD: 8423.00 INC: 0.80 AZ: 120.60 TVD: 8403.75 VS: -332.59

MD: 8516.00 INC: 0.70 AZ: 110.10 TVD: 8496.74 VS: -332.00





MD: 9168.00 INC: 1.50 AZ: 45.00 TVD: 9148.67 VS: -332.43

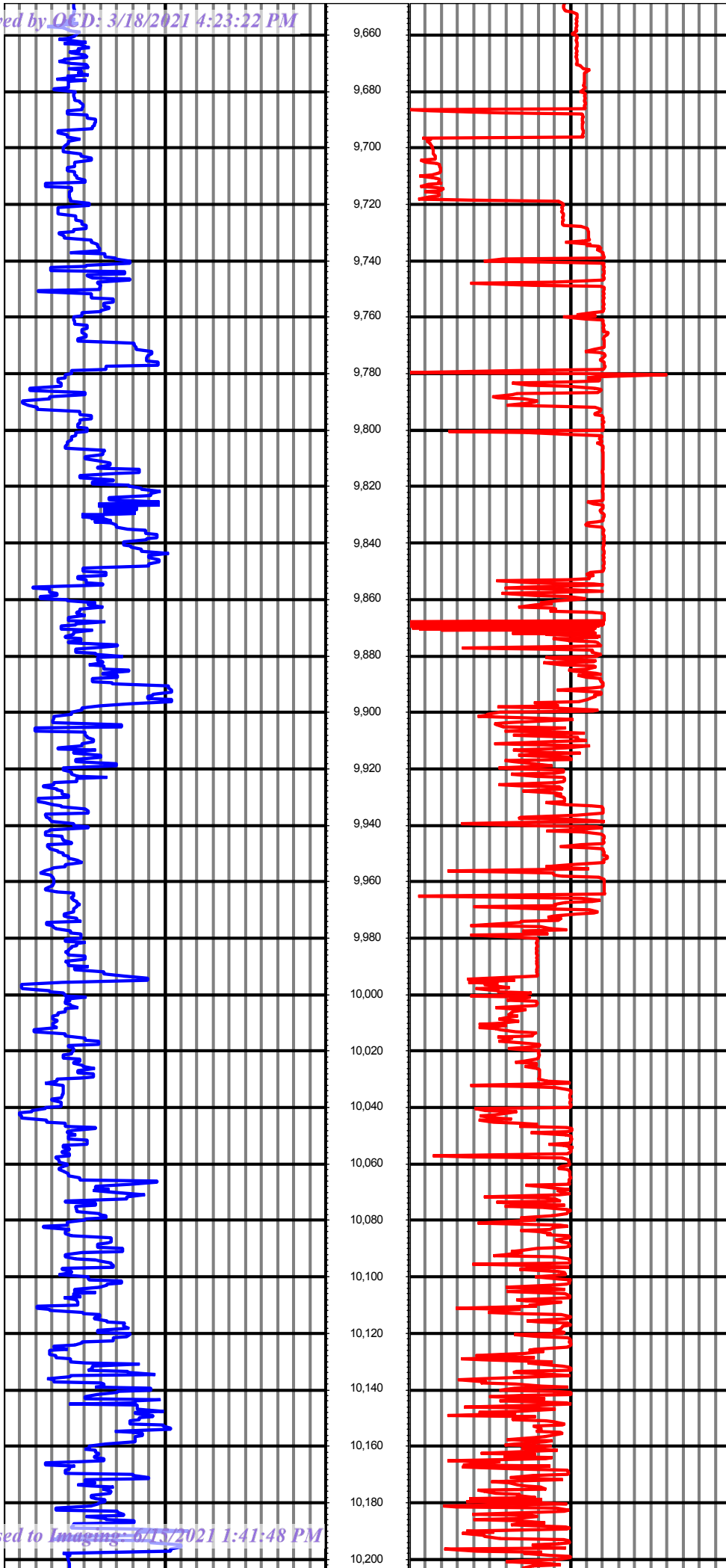
MD: 9261.00 INC: 2.00 AZ: 47.70 TVD: 9241.62 VS: -334.24

MD: 9354.00 INC: 2.30 AZ: 28.80 TVD: 9334.56 VS: -336.83

MD: 9448.00 INC: 2.40 AZ: 15.80 TVD: 9428.48 VS: -340.28

MD: 9541.00 INC: 3.60 AZ: 21.60 TVD: 9521.35 VS: -344.76

MD: 9634.00 INC: 2.90 AZ: 27.80 TVD: 9614.20 VS: -349.41



MD: 9727.00 INC: 1.80 AZ: 7.10 TVD: 9707.13 VS: -352.85

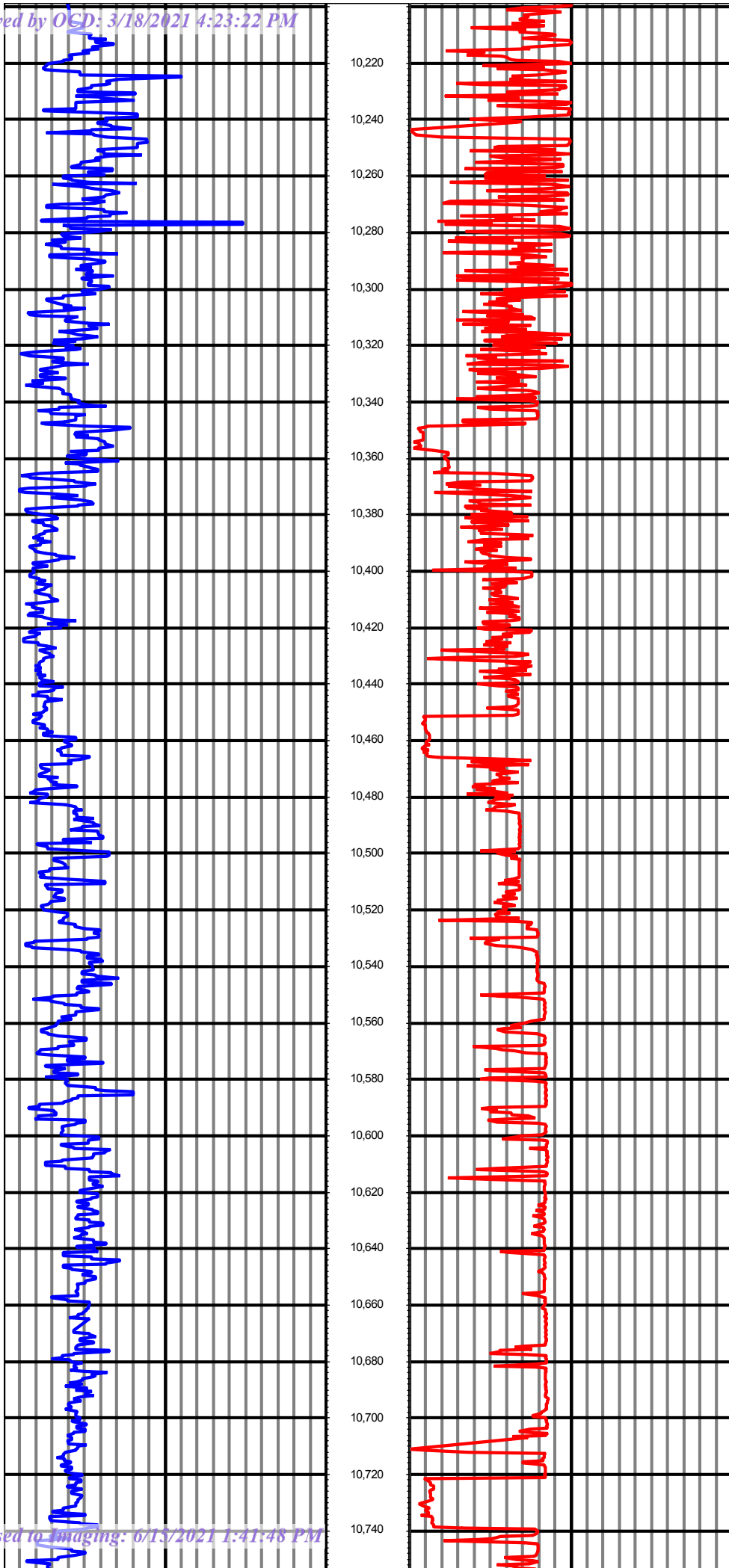
MD: 9820.00 INC: 1.50 AZ: 19.50 TVD: 9800.09 VS: -355.40

MD: 9913.00 INC: 0.70 AZ: 50.30 TVD: 9893.07 VS: -356.86

MD: 10007.00 INC: 0.70 AZ: 41.50 TVD: 9987.06 VS: -357.60

MD: 10100.00 INC: 0.50 AZ: 113.80 TVD: 10080.06 VS: -357.8

MD: 10193.00 INC: 0.70 AZ: 59.80 TVD: 10173.05 VS: -357.88



MD: 10286.00 INC: 1.20 AZ: 63.50 TVD: 10266.04 VS: -358.52

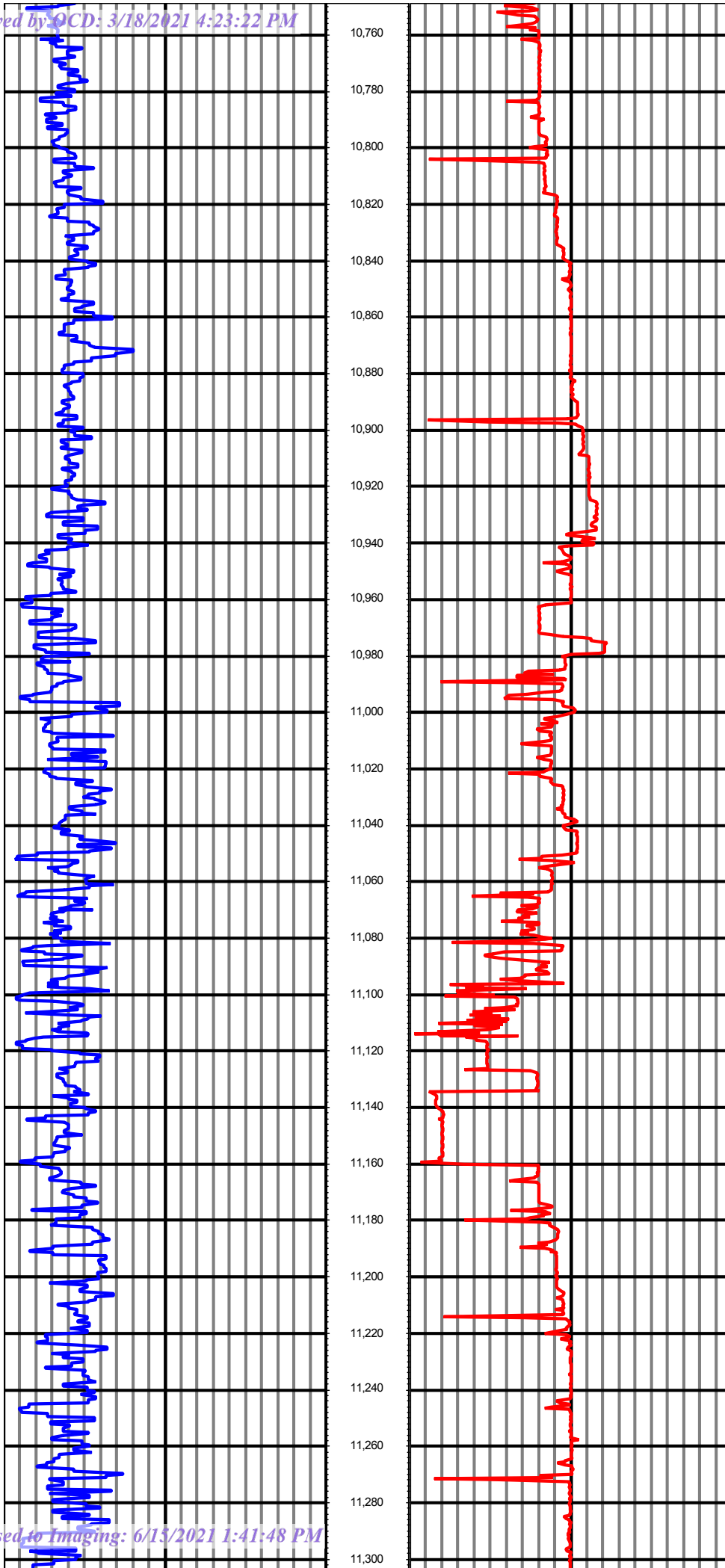
MD: 10379.00 INC: 0.90 AZ: 100.40 TVD: 10359.03 VS: -358.7

MD: 10472.00 INC: 0.40 AZ: 262.30 TVD: 10452.02 VS: -358.5

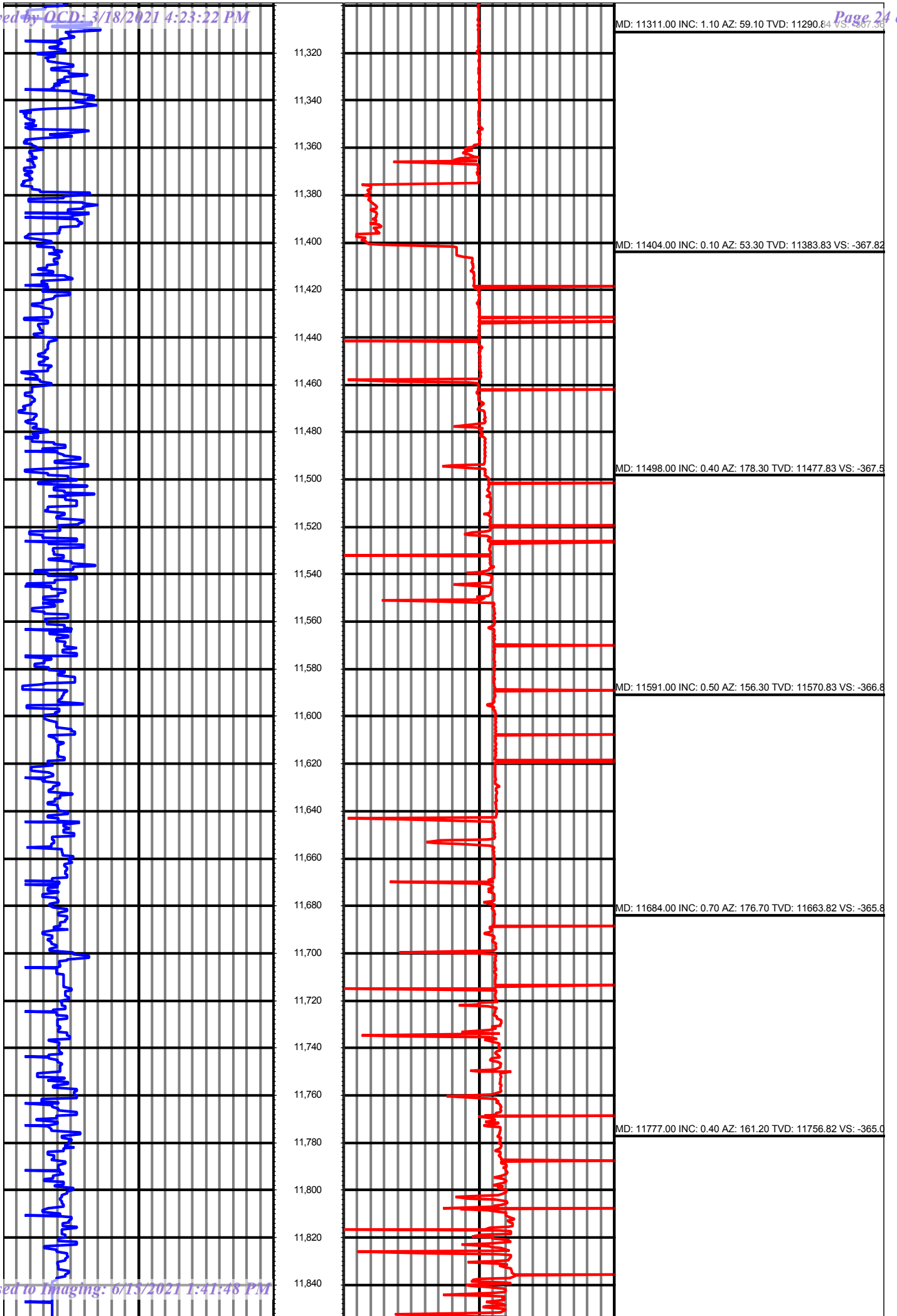
MD: 10565.00 INC: 0.80 AZ: 215.40 TVD: 10545.02 VS: -357.9

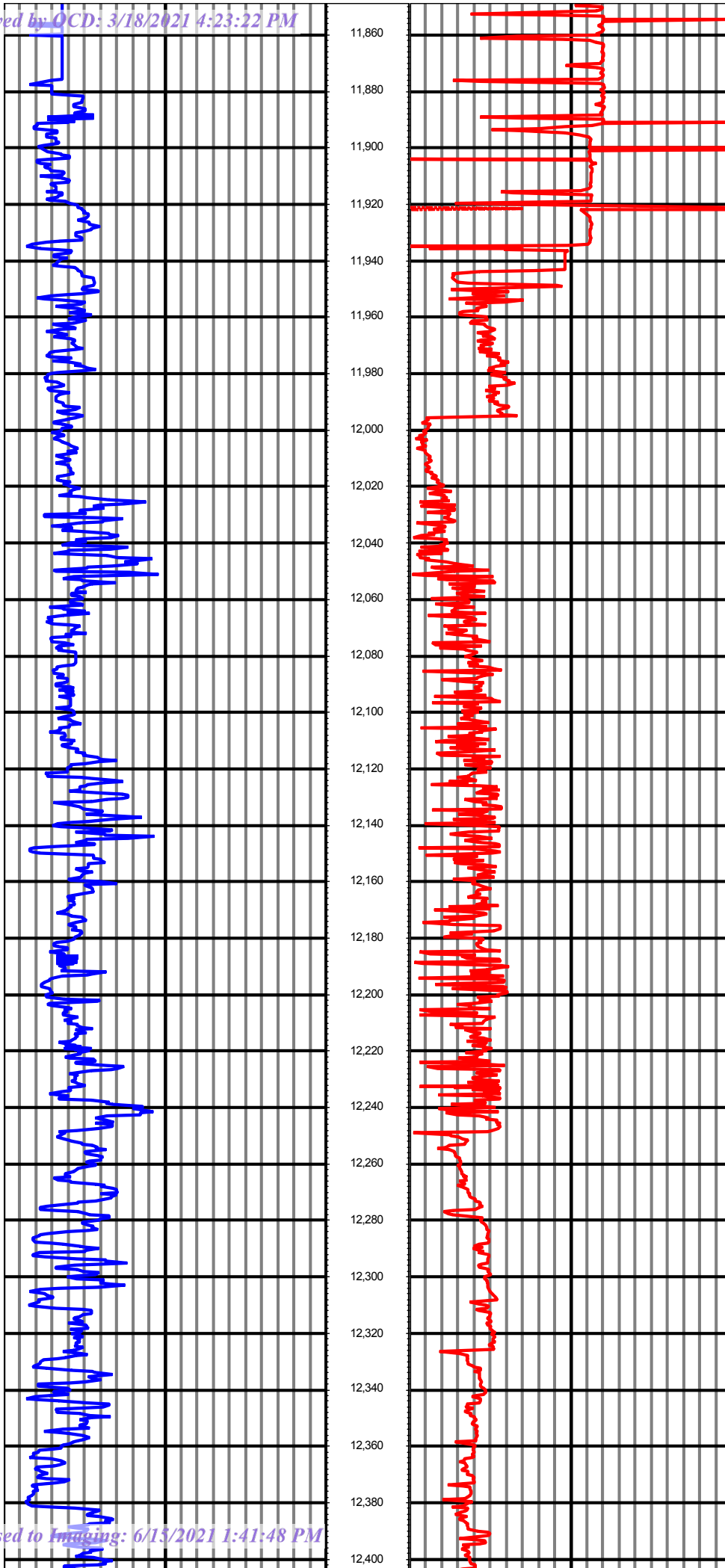
MD: 10659.00 INC: 0.60 AZ: 146.30 TVD: 10639.01 VS: -357.0

MD: 10752.00 INC: 1.10 AZ: 282.00 TVD: 10732.01 VS: -356.8



MD: 10792.00 INC: 1.70 AZ: 262.00 TVD: 10792.01 VS: -350.0
MD: 10845.00 INC: 1.60 AZ: 325.60 TVD: 10824.98 VS: -358.23
MD: 10938.00 INC: 1.80 AZ: 332.10 TVD: 10917.94 VS: -360.68
MD: 11031.00 INC: 1.50 AZ: 356.50 TVD: 11010.91 VS: -363.22
MD: 11125.00 INC: 1.80 AZ: 359.00 TVD: 11104.87 VS: -365.93
MD: 11218.00 INC: 0.90 AZ: 103.70 TVD: 11197.85 VS: -367.17





MD: 11870.00 INC: 0.40 AZ: 142.90 TVD: 11849.82 VS: -364.4

MD: 11881.00 INC: 0.50 AZ: 153.80 TVD: 11860.81 VS: -364.34

MD: 11938.00 INC: 0.70 AZ: 141.50 TVD: 11917.81 VS: -363.82

MD: 11985.00 INC: 0.70 AZ: 149.60 TVD: 11964.81 VS: -363.33

MD: 12080.00 INC: 11.10 AZ: 185.60 TVD: 12059.18 VS: -353.1

MD: 12175.00 INC: 23.50 AZ: 186.70 TVD: 12149.71 VS: -325.99

MD: 12270.00 INC: 32.10 AZ: 182.40 TVD: 12233.67 VS: -282.17

MD: 12365.00 INC: 39.30 AZ: 177.80 TVD: 12310.78 VS: -226.91

MD: 12410.00 INC: 44.00 AZ: 178.00 TVD: 12344.40 VS: -197.19

MD: 12460.00 INC: 51.40 AZ: 179.80 TVD: 12378.03 VS: -160.10

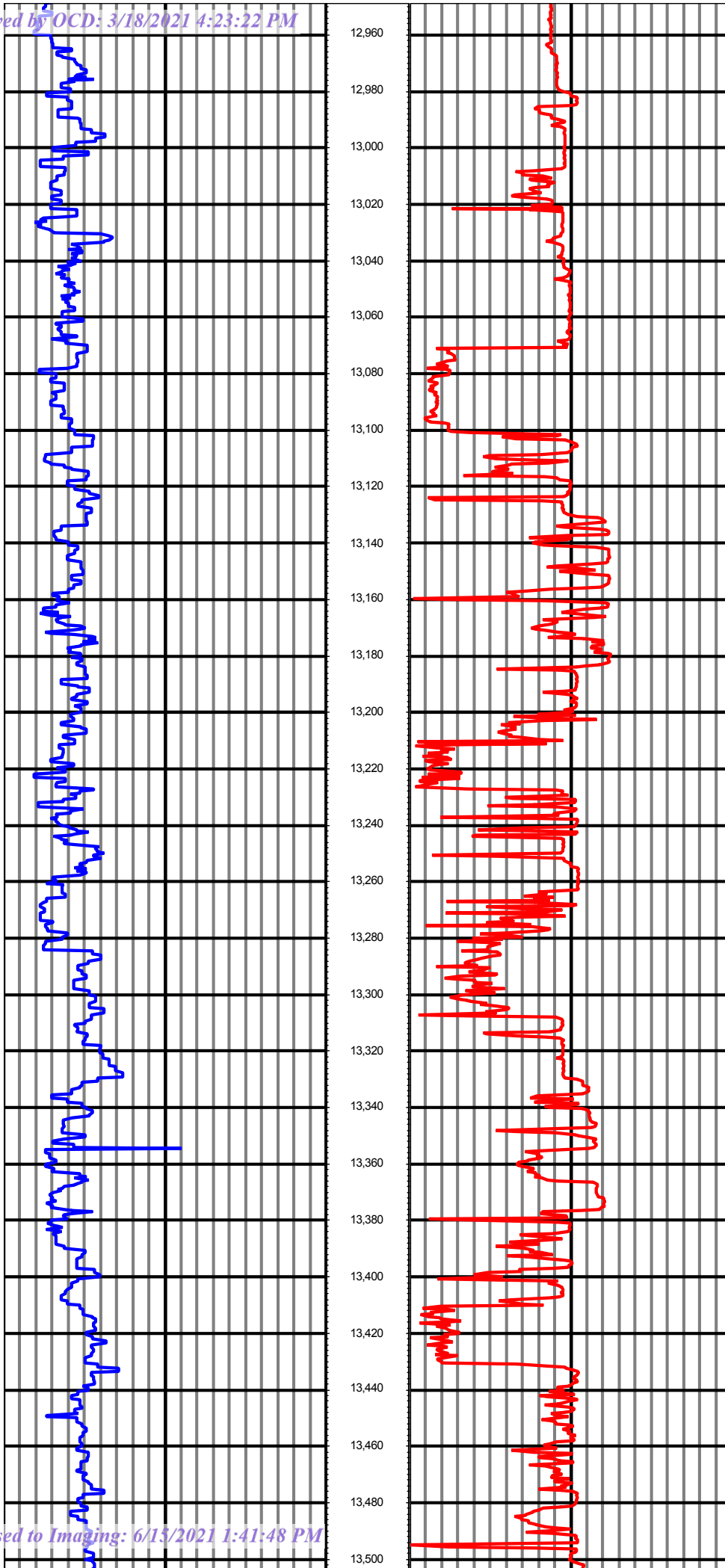
MD: 12555.00 INC: 67.40 AZ: 183.30 TVD: 12426.24 VS: -78.9

MD: 12650.00 INC: 80.10 AZ: 182.70 TVD: 12452.77 VS: 11.44

MD: 12745.00 INC: 86.10 AZ: 179.40 TVD: 12464.18 VS: 105.3

MD: 12773.00 INC: 86.80 AZ: 178.60 TVD: 12465.92 VS: 133.30

MD: 12868.00 INC: 91.50 AZ: 177.40 TVD: 12467.32 VS: 228.22



MD: 12963.00 INC: 91.00 AZ: 179.00 TVD: 12465.25 VS: 323.1

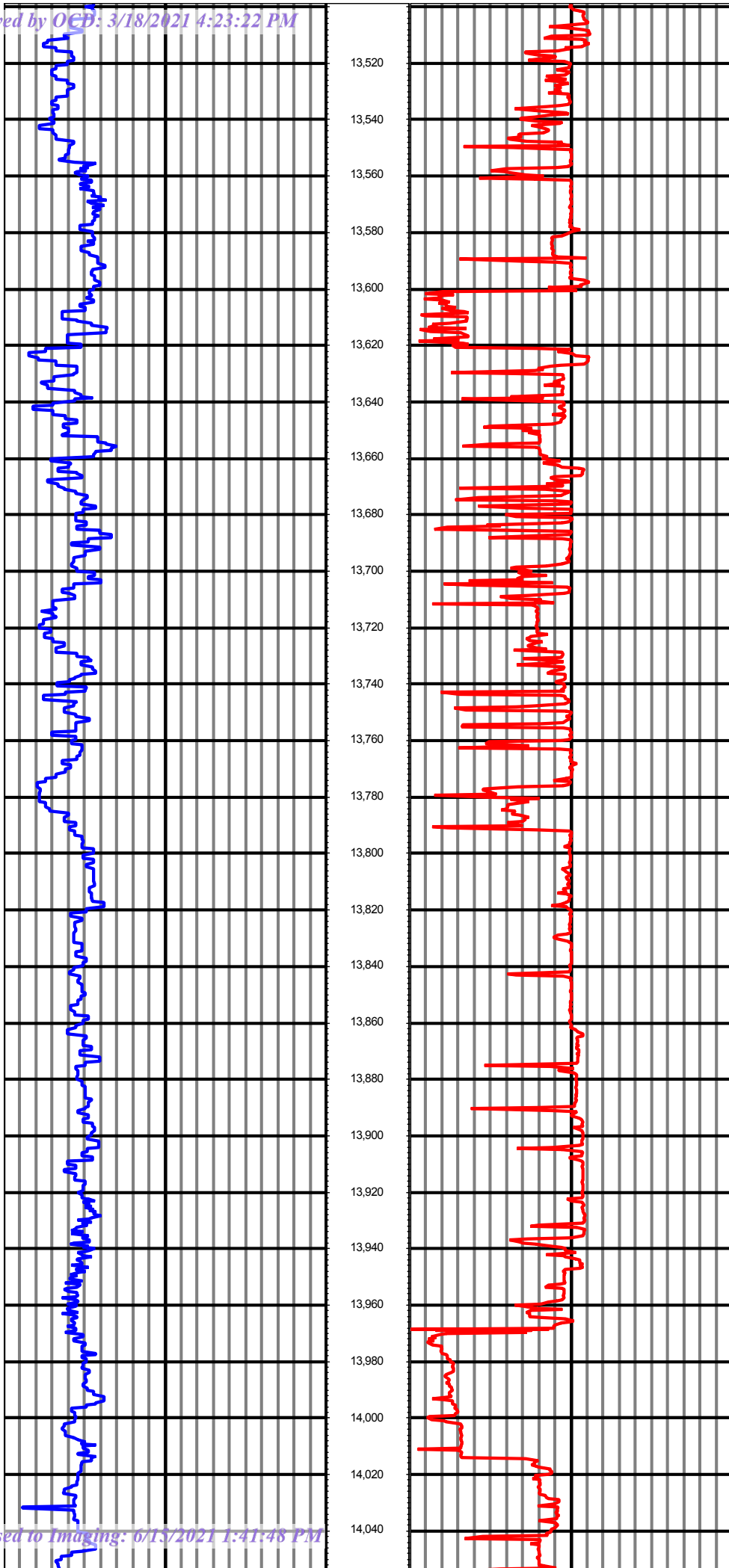
MD: 13058.00 INC: 90.70 AZ: 178.90 TVD: 12463.84 VS: 418.04

MD: 13153.00 INC: 88.00 AZ: 178.60 TVD: 12464.92 VS: 512.94

MD: 13247.00 INC: 87.00 AZ: 178.50 TVD: 12469.02 VS: 606.79

MD: 13343.00 INC: 88.40 AZ: 179.30 TVD: 12472.87 VS: 702.61

MD: 13438.00 INC: 87.80 AZ: 179.10 TVD: 12476.02 VS: 797.44



MD: 13532.00 INC: 86.30 AZ: 178.70 TVD: 12480.86 VS: 891.2

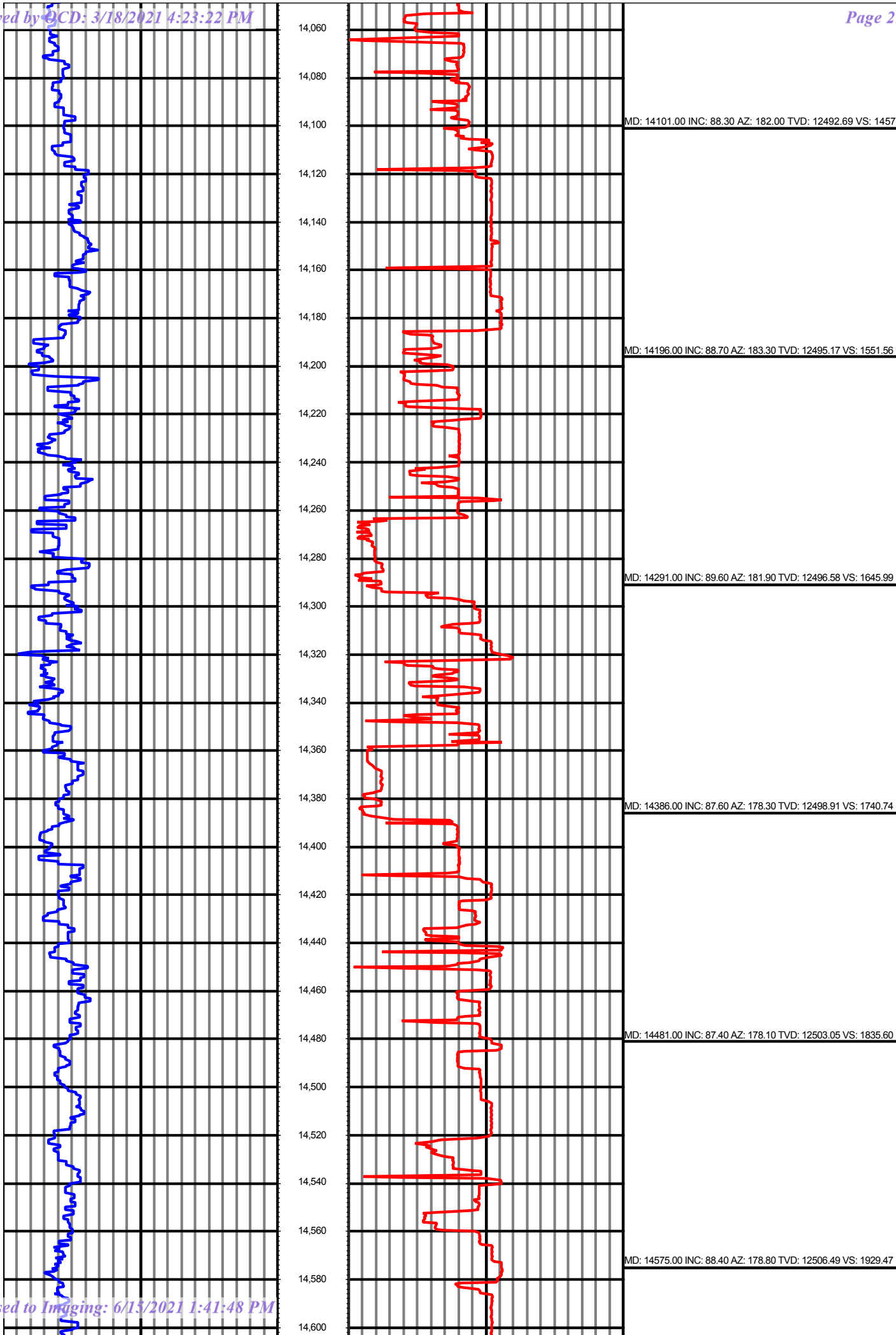
MD: 13627.00 INC: 86.70 AZ: 179.60 TVD: 12486.66 VS: 985.93

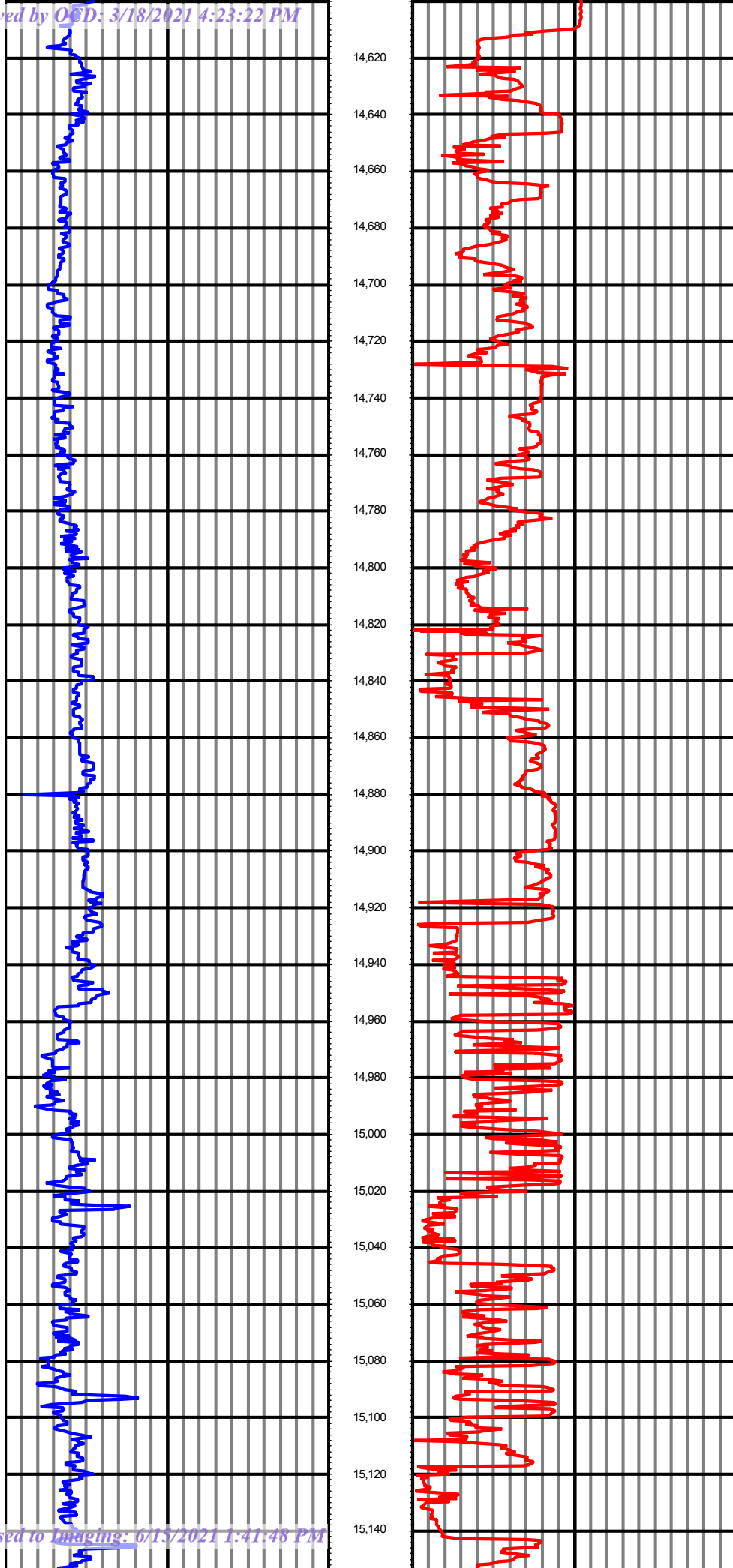
MD: 13722.00 INC: 87.40 AZ: 179.80 TVD: 12491.55 VS: 1080

MD: 13816.00 INC: 87.80 AZ: 180.40 TVD: 12495.49 VS: 1174.37

MD: 13911.00 INC: 95.60 AZ: 185.50 TVD: 12492.67 VS: 1268.60

MD: 14007.00 INC: 88.00 AZ: 182.00 TVD: 12489.65 VS: 1363.67





MD: 14670.00 INC: 88.80 AZ: 177.90 TVD: 12508.82 VS: 2024

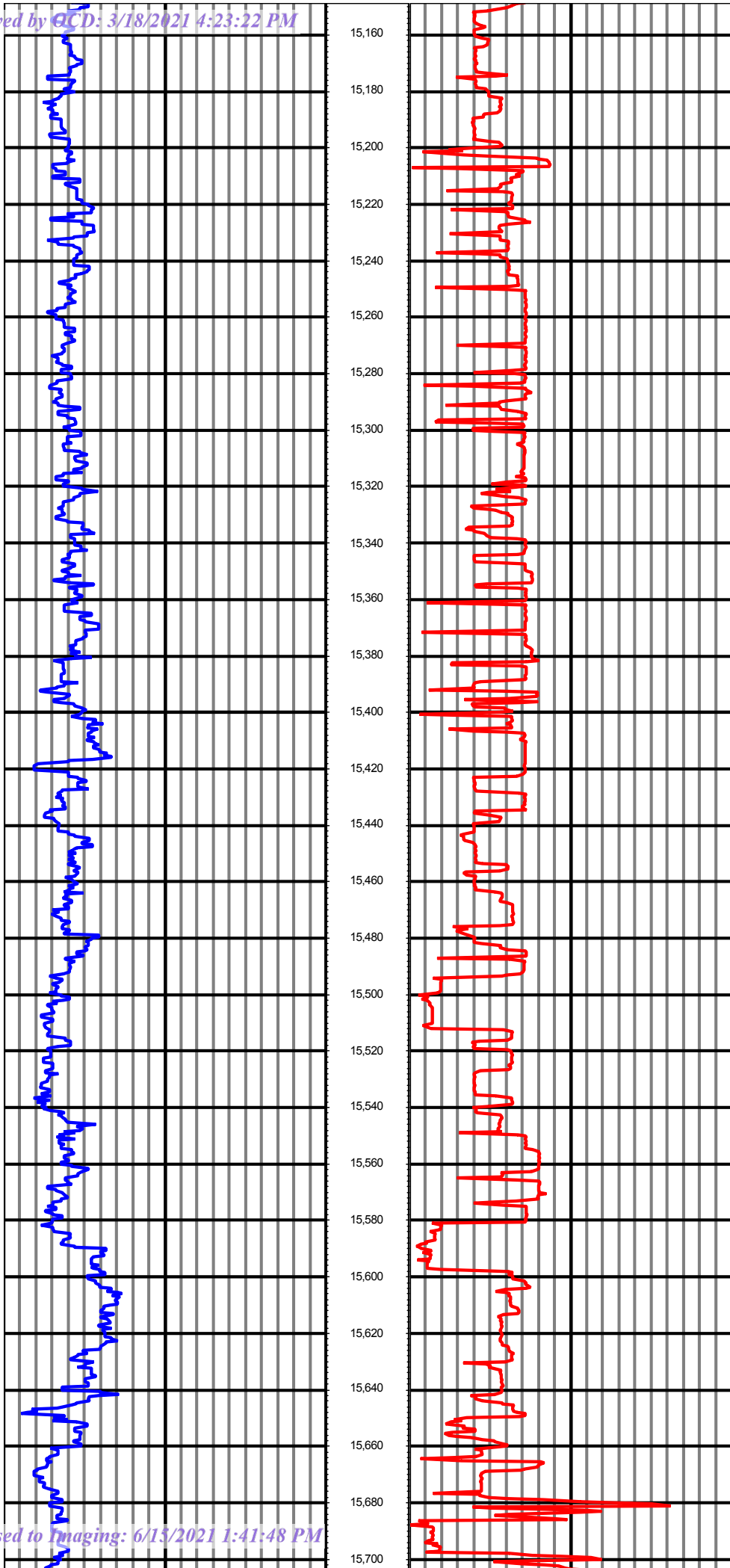
MD: 14765.00 INC: 90.90 AZ: 179.40 TVD: 12509.06 VS: 2119.30

MD: 14860.00 INC: 91.30 AZ: 177.80 TVD: 12507.24 VS: 2214.21

MD: 14955.00 INC: 87.90 AZ: 176.70 TVD: 12507.90 VS: 2309.18

MD: 15050.00 INC: 85.80 AZ: 177.40 TVD: 12513.12 VS: 2404.02

MD: 15145.00 INC: 88.60 AZ: 180.60 TVD: 12517.76 VS: 2498.79



MD: 15240.00 INC: 88.20 AZ: 181.30 TVD: 12520.42 VS: 2593

MD: 15334.00 INC: 87.30 AZ: 181.20 TVD: 12524.11 VS: 2687.03

MD: 15429.00 INC: 88.40 AZ: 181.20 TVD: 12527.67 VS: 2781.63

MD: 15524.00 INC: 85.10 AZ: 178.50 TVD: 12533.06 VS: 2876.28

MD: 15619.00 INC: 86.70 AZ: 178.60 TVD: 12539.85 VS: 2970.96

MD: 15714.00 INC: 89.10 AZ: 179.70 TVD: 12543.33 VS: 3065

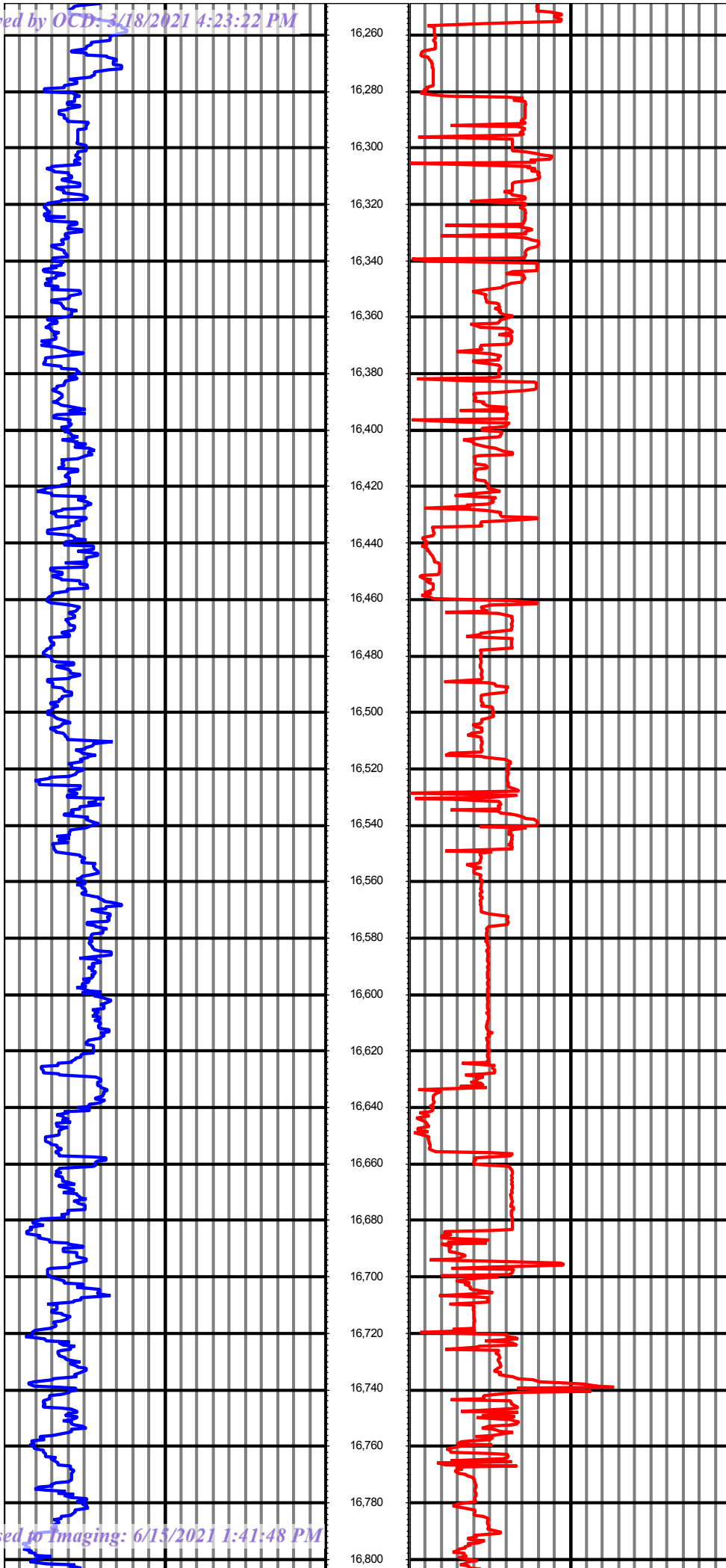
MD: 15809.00 INC: 88.90 AZ: 180.80 TVD: 12544.99 VS: 3160.55

MD: 15903.00 INC: 88.20 AZ: 178.90 TVD: 12547.37 VS: 3254.34

MD: 15998.00 INC: 88.70 AZ: 178.00 TVD: 12549.94 VS: 3349.24

MD: 16092.00 INC: 88.80 AZ: 177.50 TVD: 12551.99 VS: 3443.19

MD: 16187.00 INC: 87.10 AZ: 176.50 TVD: 12555.39 VS: 3538.12



MD: 16282.00 INC: 87.10 AZ: 177.80 TVD: 12560.19 VS: 3632

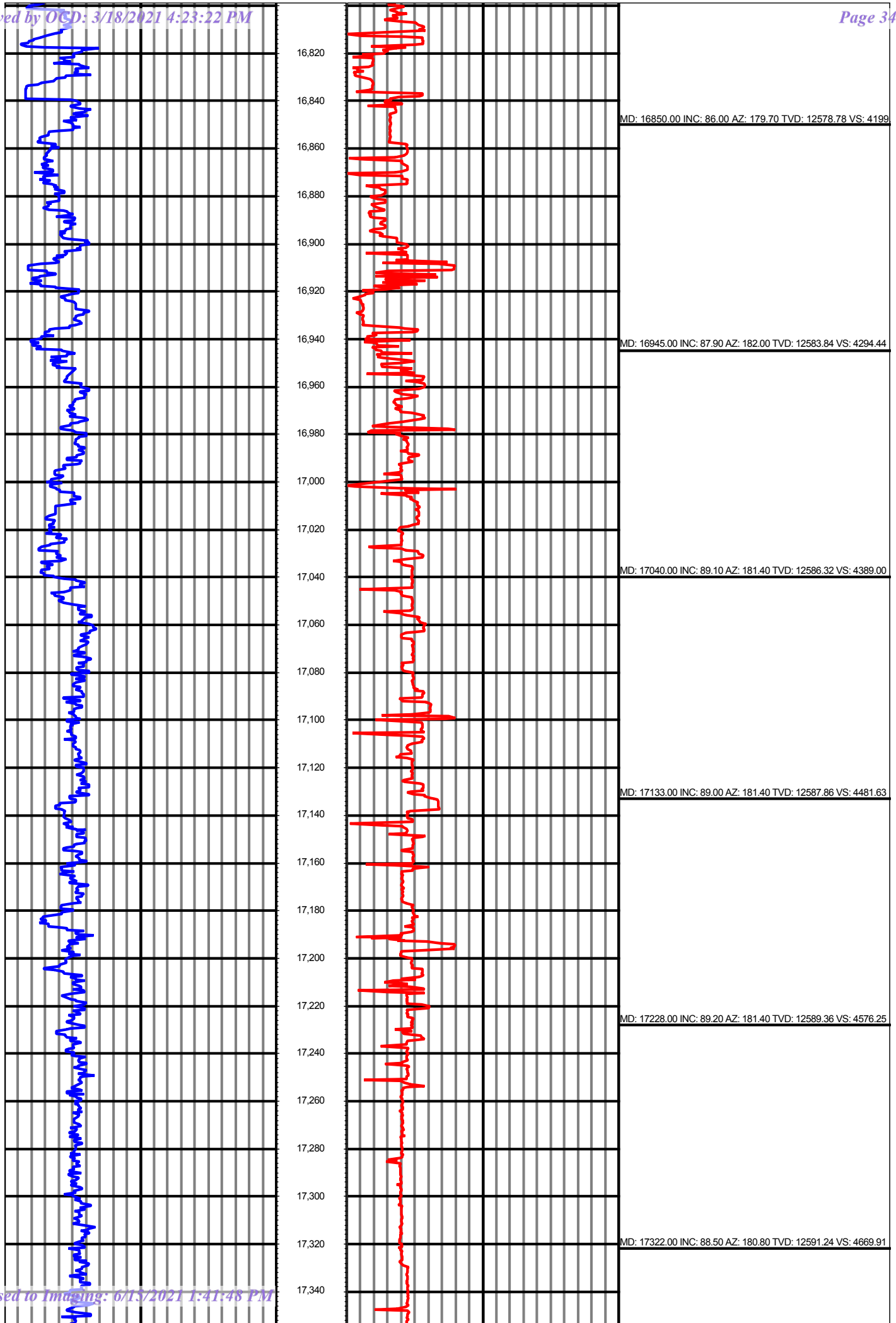
MD: 16377.00 INC: 86.20 AZ: 177.40 TVD: 12565.74 VS: 3727.80

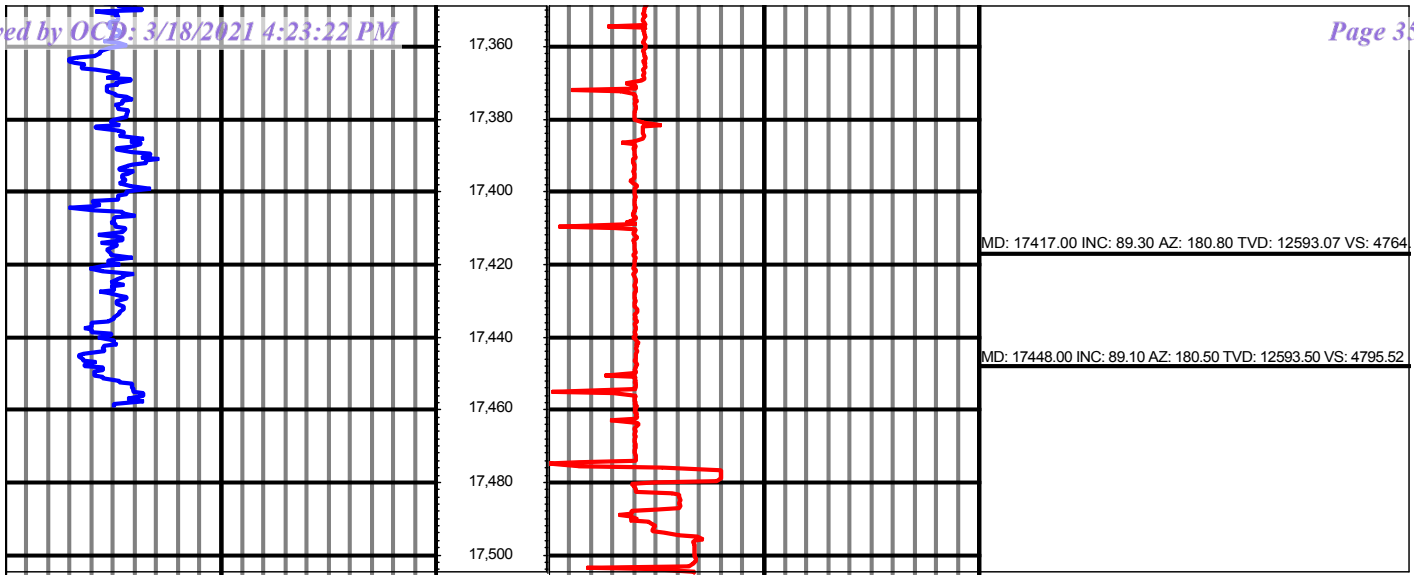
MD: 16471.00 INC: 88.00 AZ: 178.80 TVD: 12570.50 VS: 3821.63

MD: 16566.00 INC: 90.20 AZ: 179.00 TVD: 12571.99 VS: 3916.52

MD: 16660.00 INC: 88.90 AZ: 180.20 TVD: 12572.73 VS: 4010.37

MD: 16755.00 INC: 88.90 AZ: 179.90 TVD: 12574.55 VS: 4105.15





0.00 GR(AR) 255.00 MD 0.00 ROP(ET/HIS) 250.00 Surveys (MD/INC/AZ/TVD/VS)

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.5. Lease Serial No.
NMNM0160973

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NMNM820458. Well Name and No.
MESA B 8115 FED COM 22H9. API Well No.
30-025-4640710. Field and Pool or Exploratory Area
SANDERS TANK-UPPR WOLFCAM11. County or Parish, State
LEA COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

BTA OIL PRODUCERS, LLC

Contact: KATY REDDELL

E-Mail: kreddell@btaoil.com

3a. Address

104 S. PECOS
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 432-682-3753

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 7 T26S R33E NENE 400FNL 600FEL
32.064198 N Lat, 103.604785 W Lon

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
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Hydraulic Fracture
	☐ 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 recompleat 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 recompleat 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: 17,505' REACHED ON 5/21/2020

PBSD: 17,475'

11/9/2020: PERFORATE AND FRAC: 12,600' - 17,229' WITH 269,050 BBLS OF TOTAL FLUID. 11,408,240#S
100 MESH SAND.

12/05/2020 DRILL OUT COMPLETE.

12/17/2020: START FLOWING BACK AND TESTING.

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

**Electronic Submission #541786 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 12/23/2020

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 ****

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																		
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 MESA B 8115 FED COM 6. Well Number: 22H												
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER																		
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 SANDERS TANK-UPPER WOLFCAMP												
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County								
Surface:	A	7	26S	33E		400	N	600	E	LEA								
BH:	P	7	26S	33E		34.1	S	333.4	E	LEA								
13. Date Spudded 3/5/2020	14. Date T.D. Reached 5/21/2020		15. Date Rig Released 3/24/2020		16. Date Completed (Ready to Produce) 12/17/2020			17. Elevations (DF and RKB, RT, GR, etc.) 3308 GR										
18. Total Measured Depth of Well 17,505			19. Plug Back Measured Depth 17,475		20. Was Directional Survey Made? YES			21. Type Electric and Other Logs Run MWD										
22. Producing Interval(s), of this completion - Top, Bottom, Name 12,600 – 17,229 WOLFCAMP																		
23. CASING RECORD (Report all strings set in well)																		
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED								
10 3/4		40.5		909		14 3/4		630										
7 5/8		29.7		11,935		10 3/4		585										
5		18		11,712		6 3/4		1455										
5 1/2		20		17,505		6 3/4		“										
24. LINER RECORD						25. TUBING RECORD												
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET											
					2 7/8	10,000	10,000											
26. Perforation record (interval, size, and number) 12,600 – 17,229; 0.42 HOLE SIZE; 1,080 HOLE NUMBER						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">DEPTH INTERVAL</th> <th style="width:50%;">AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>17,229</td> <td>269,050 BBLS OF TOTAL FLUID. 11,408,240#S 100 MESH SAND.</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>					DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	17,229	269,050 BBLS OF TOTAL FLUID. 11,408,240#S 100 MESH SAND.				
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED																	
17,229	269,050 BBLS OF TOTAL FLUID. 11,408,240#S 100 MESH SAND.																	
28. PRODUCTION																		
Date First Production 12/17/2020		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) FLOWING FROM WELL				Well Status (<i>Prod. or Shut-in</i>) PRODUCING												
Date of Test 12/21/2020	Hours Tested 24	Choke Size 18/64	Prod'n For Test Period 24	Oil – Bbl 325	Gas - MCF 775	Water - Bbl. 2784	Gas - Oil Ratio											
Flow Tubing Press. 4025	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl. 325	Gas - MCF 775	Water - Bbl. 2784	Oil Gravity - API - (<i>Corr.</i>)												
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) 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 *Katy Reddell* Name: KATY REDDELL Title: REGULATORY ANALYST Date: 12/20/2020

E-mail Address

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_4818	T. Ojo Alamo_____	T. Penn A"_____
T. Salt 1860	T. Strawn_____	T. Kirtland_____	T. Penn. "B"_____
B. Salt_4512	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_4787	T. Morrison_____	
T. Drinkard_____	T. Bone Springs 8957	T. Todilto_____	
T. Abo_____	T. _____	T. Entrada_____	
T. Wolfcamp_12004	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 21320

ACKNOWLEDGMENTS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 21320
	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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 21320

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 21320
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	Submit all casing and drilling sundries.	6/15/2021