

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 104 S. PECOS MIDLAND, TX. 79701		² OGRID Number 260297	
		³ Reason for Filing Code/ Effective Date 98094 NEW WELL 3/27/2021	
⁴ API Number 30 – 025-47460	⁵ Pool Name BOBCAT DRAW/UPPER WOLFCAMP		⁶ Pool Code 98094
⁷ Property Code 320524	⁸ Property Name ROJO 7811 22 FEDERAL COM		⁹ Well Number 20H

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
L	34	25S	33E		2280	SOUTH	1240	WEST	LEA

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	27	25S	33E		26	NORTH	990	WEST	LEA
¹² Lse Code F	¹³ Producing Method Code FLOWING		¹⁴ Gas Connection 3/27/2021		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
34053	PLAINS MARKETING LP P.O. BOX 4648 HOUSTON, TX. 77210-4648	O
371058	ETC FIELD SERVICES LLC 8111 WESTCHESTER DR. STE 600 DALLAS, TX. 75225	G

IV. Well Completion Data

²¹ Spud Date 9 01/2020	²² Ready Date 3/27/2021	²³ TD 21,010’	²⁴ PBTD 20,902’	²⁵ Perforations 13,212’ – 20,879’	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
14 ¾		10 ¾	1,126’		765
9 7/8		7 5/8	12,447’		1,845
8 ¾		7 5/8	12,447’		1,845
6 ¾		5 ½ X 5	21,000’		1705

V. Well Test Data

³¹ Date New Oil 3/27/2021	³² Gas Delivery Date 3/27/2021	³³ Test Date 4/6/2021	³⁴ Test Length 24	³⁵ Tbg. Pressure 1975	³⁶ Csg. Pressure
³⁷ Choke Size 35/64	³⁸ Oil 891	³⁹ Water 4860	⁴⁰ Gas 2806		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 Printed name: KATY REDDELL Title: REGULATORY ANALYST E-mail Address: kreddell@btaoil.com Date: 4/20/2021			OIL CONSERVATION DIVISION		
			Approved by: KURT SIMMONS		
			Title: NM OCD, SANTA FE		
			Approval Date: 07/07/2021		
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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-47460	Pool Code 98094	Pool Name BOBCAT DRAW UPR WOLFCAMP
Property Code 320524	Property Name ROJO 7811 34-27 FED COM	Well Number 20H
OGRID No. 260297	Operator Name BTA OIL PRODUCERS, LLC	Elevation 3325'

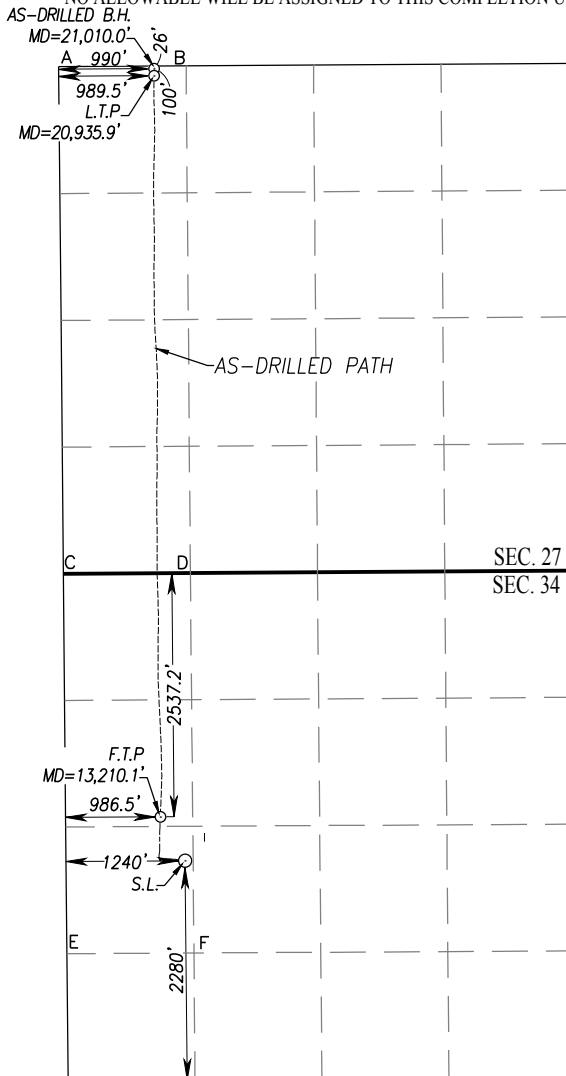
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	34	25-S	33-E		2280	SOUTH	1240	WEST	LEA

As-Drilled Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	27	25-S	33-E		26	NORTH	990	WEST	LEA
Dedicated Acres 240	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'

AS-DRILLED BOTTOM HOLE LOCATION NAD 27 NME Y= 404075.6 N X= 737862.8 E LAT.=32.108590° N LONG.=103.565124° W LAST TAKE POINT NAD 27 NME Y= 404001.6 N X= 737862.9 E LAT.=32.108386° N LONG.=103.565125° W	AS-DRILLED BOTTOM HOLE LOCATION NAD 83 NME Y= 404133.3 N X= 779049.1 E LAT.=32.108715° N LONG.=103.565595° W LAST TAKE POINT NAD 83 NME Y= 404059.3 N X= 779049.2 E LAT.=32.108511° N LONG.=103.565596° W
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CORNER COORDINATES TABLE

NAD 27 NME

A - Y= 404095.0 N, X= 736872.7 E
B - Y= 404103.8 N, X= 738199.0 E
C - Y= 398814.0 N, X= 736921.4 E
D - Y= 398822.6 N, X= 738243.9 E
E - Y= 394858.9 N, X= 736957.7 E
F - Y= 394866.1 N, X= 738279.6 E

CORNER COORDINATES TABLE

NAD 83 NME

A - Y= 404152.8 N, X= 778059.0 E
B - Y= 404161.5 N, X= 779385.3 E
C - Y= 398871.6 N, X= 778107.9 E
D - Y= 398880.1 N, X= 779430.4 E
E - Y= 394916.4 N, X= 778144.4 E
F - Y= 394923.6 N, X= 779466.4 E

FIRST TAKE POINT

NAD 27 NME Y= 396283.8 N X= 737930.4 E LAT.=32.087170° N LONG.=103.565085° W	NAD 83 NME Y= 396341.3 N X= 779117.0 E LAT.=32.087295° N LONG.=103.565555° W
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GEODETIC COORDINATES

NAD 27 NME SURFACE LOCATION Y= 395825.3 N X= 738188.3 E LAT.=32.085905° N LONG.=103.564263° W	NAD 83 NME SURFACE LOCATION Y= 395882.8 N X= 779374.9 E LAT.=32.086030° N LONG.=103.564733° W
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NOTE: AS-DRILLED BOTTOM HOLE, LAST TAKE POINT AND FIRST TAKE POINT PLOTTED FROM DATA FURNISHED BY QES SURVEY REPORT ON OCTOBER 07, 2020.

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 4/20/2021

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 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

Signature & Seal of Professional Surveyor

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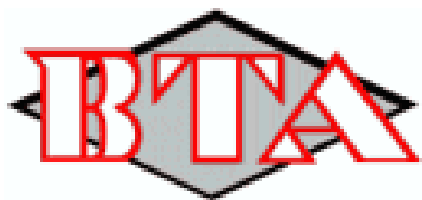
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BTA Oil Producers, LLC

Lea County, NM (NAD 83)

Sec 34, T25-S, R33-E

Rojo 7811 34-27 Fed Com #20H

Wellbore #1

Design: Wellbore #1

QES Survey Report

07 October, 2020





QES Survey Report



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Rojo 7811 34-27 Fed Com #20H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3350.0usft (Patterson #566)
Site:	Sec 34, T25-S, R33-E	MD Reference:	WELL @ 3350.0usft (Patterson #566)
Well:	Rojo 7811 34-27 Fed Com #20H	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 34, T25-S, R33-E			
Site Position:		Northing:	396,110.60 usft	Latitude:	32° 5' 11.910 N
From:	Map	Easting:	780,112.60 usft	Longitude:	103° 33' 44.445 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.41 °

Well	Rojo 7811 34-27 Fed Com #20H					
Well Position	+N/-S	0.0 usft	Northing:	395,882.80 usft	Latitude:	32° 5' 9.708 N
	+E/-W	0.0 usft	Easting:	779,374.90 usft	Longitude:	103° 33' 53.038 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,325.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	9/24/2020	6.48	59.67	47,608.30000000

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	357.73	

Survey Program	Date	10/7/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
169.0	21,010.0	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 @ 169.0' MD / 169.0' TVD									
169.0	0.50	343.20	169.0	0.7	-0.2	0.7	0.30	0.30	0.00
291.0	0.60	345.50	291.0	1.8	-0.5	1.9	0.08	0.08	1.89
412.0	0.90	321.60	412.0	3.2	-1.3	3.2	0.35	0.25	-19.75
565.0	1.90	341.70	564.9	6.5	-2.8	6.6	0.72	0.65	13.14
658.0	1.90	338.90	657.9	9.4	-3.9	9.6	0.10	0.00	-3.01
751.0	2.60	332.30	750.8	12.8	-5.4	13.0	0.80	0.75	-7.10
845.0	2.60	329.30	844.7	16.5	-7.5	16.8	0.14	0.00	-3.19
938.0	2.30	337.30	937.6	20.0	-9.3	20.4	0.49	-0.32	8.60
1,031.0	1.70	341.70	1,030.6	23.0	-10.4	23.4	0.67	-0.65	4.73



QES Survey Report



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Site:	Sec 34, T25-S, R33-E	MD Reference:	WELL @ 3350.0usft (Patterson #566)
Well:	Rojo 7811 34-27 Fed Com #20H	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)
1,102.0	2.20	12.80	1,101.5	25.4	-10.5	25.8	1.62	0.70	43.80
1,247.0	1.80	46.80	1,246.5	29.6	-8.2	29.9	0.85	-0.28	23.45
1,341.0	1.80	22.40	1,340.4	32.0	-6.5	32.2	0.81	0.00	-25.96
1,434.0	0.20	115.90	1,433.4	33.3	-5.8	33.5	1.96	-1.72	100.54
1,527.0	0.70	177.60	1,526.4	32.7	-5.7	32.9	0.68	0.54	66.34
1,621.0	0.50	185.00	1,620.4	31.7	-5.7	31.9	0.23	-0.21	7.87
1,714.0	0.20	187.80	1,713.4	31.1	-5.7	31.3	0.32	-0.32	3.01
1,807.0	0.20	38.30	1,806.4	31.1	-5.7	31.3	0.41	0.00	-160.75
1,901.0	0.30	70.70	1,900.4	31.3	-5.3	31.5	0.18	0.11	34.47
1,994.0	0.10	171.80	1,993.4	31.3	-5.1	31.5	0.36	-0.22	108.71
2,087.0	0.30	163.10	2,086.4	31.0	-5.0	31.1	0.22	0.22	-9.35
2,180.0	0.40	144.30	2,179.4	30.5	-4.7	30.6	0.16	0.11	-20.22
2,274.0	0.40	137.00	2,273.4	30.0	-4.3	30.1	0.05	0.00	-7.77
2,367.0	0.60	128.40	2,366.4	29.4	-3.7	29.6	0.23	0.22	-9.25
2,460.0	0.80	107.80	2,459.4	28.9	-2.7	29.0	0.34	0.22	-22.15
2,553.0	1.10	103.00	2,552.4	28.5	-1.2	28.6	0.33	0.32	-5.16
2,646.0	0.80	182.70	2,645.3	27.7	-0.4	27.7	1.33	-0.32	85.70
2,740.0	1.10	183.90	2,739.3	26.1	-0.5	26.1	0.32	0.32	1.28
2,833.0	1.10	178.80	2,832.3	24.3	-0.5	24.3	0.11	0.00	-5.48
2,926.0	1.10	150.40	2,925.3	22.7	-0.1	22.7	0.58	0.00	-30.54
3,019.0	1.80	191.00	3,018.3	20.5	0.1	20.4	1.29	0.75	43.66
3,113.0	1.80	188.60	3,112.2	17.6	-0.4	17.6	0.08	0.00	-2.55
3,206.0	1.50	155.20	3,205.2	15.0	-0.1	15.0	1.07	-0.32	-35.91
3,299.0	2.10	128.20	3,298.1	12.8	1.7	12.8	1.10	0.65	-29.03
3,393.0	0.40	189.60	3,392.1	11.5	3.0	11.3	2.06	-1.81	65.32
3,486.0	0.10	29.10	3,485.1	11.2	3.0	11.1	0.53	-0.32	-172.58
3,579.0	0.50	52.00	3,578.1	11.5	3.4	11.4	0.44	0.43	24.62
3,672.0	1.80	277.50	3,671.1	12.0	2.3	11.9	2.34	1.40	-144.62
3,766.0	2.10	276.40	3,765.0	12.4	-0.9	12.4	0.32	0.32	-1.17
3,859.0	1.60	287.10	3,858.0	12.9	-3.9	13.1	0.65	-0.54	11.51
3,952.0	2.90	282.00	3,950.9	13.8	-7.4	14.1	1.41	1.40	-5.48
4,045.0	3.10	291.90	4,043.8	15.2	-12.0	15.7	0.60	0.22	10.65
4,139.0	3.00	282.70	4,137.7	16.7	-16.8	17.4	0.53	-0.11	-9.79
4,232.0	3.30	271.40	4,230.5	17.3	-21.8	18.2	0.74	0.32	-12.15
4,325.0	2.50	271.90	4,323.4	17.4	-26.5	18.5	0.86	-0.86	0.54
4,418.0	1.40	256.80	4,416.3	17.3	-29.7	18.4	1.30	-1.18	-16.24
4,511.0	2.80	257.50	4,509.3	16.5	-33.0	17.8	1.51	1.51	0.75
4,604.0	3.10	240.70	4,602.2	14.8	-37.4	16.3	0.98	0.32	-18.06
4,697.0	2.90	214.40	4,695.0	11.6	-40.9	13.2	1.48	-0.22	-28.28
4,790.0	2.90	235.10	4,787.9	8.3	-44.2	10.1	1.12	0.00	22.26
4,884.0	3.90	273.40	4,881.8	7.1	-49.3	9.1	2.58	1.06	40.74
4,977.0	3.90	280.20	4,974.6	7.9	-55.6	10.1	0.50	0.00	7.31
5,070.0	3.70	279.60	5,067.3	9.0	-61.7	11.4	0.22	-0.22	-0.65



QES Survey Report



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Rojo 7811 34-27 Fed Com #20H
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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)	
5,164.0	3.80	281.20	5,161.1	10.1	-67.7	12.7	0.15	0.11	1.70	
5,257.0	4.00	280.50	5,253.9	11.3	-73.9	14.2	0.22	0.22	-0.75	
5,350.0	3.80	280.60	5,346.7	12.4	-80.2	15.6	0.22	-0.22	0.11	
5,443.0	3.70	278.10	5,439.5	13.4	-86.2	16.8	0.21	-0.11	-2.69	
5,537.0	3.60	278.10	5,533.3	14.2	-92.1	17.9	0.11	-0.11	0.00	
5,630.0	3.60	277.90	5,626.1	15.1	-97.9	18.9	0.01	0.00	-0.22	
5,723.0	3.60	277.40	5,719.0	15.8	-103.7	19.9	0.03	0.00	-0.54	
5,817.0	3.60	276.40	5,812.8	16.5	-109.5	20.9	0.07	0.00	-1.06	
5,910.0	3.50	276.90	5,905.6	17.2	-115.2	21.8	0.11	-0.11	0.54	
6,003.0	3.40	273.70	5,998.4	17.7	-120.8	22.5	0.23	-0.11	-3.44	
6,097.0	3.30	272.70	6,092.3	18.0	-126.3	23.0	0.12	-0.11	-1.06	
6,190.0	3.20	272.40	6,185.1	18.3	-131.6	23.5	0.11	-0.11	-0.32	
6,283.0	3.00	271.40	6,278.0	18.4	-136.6	23.8	0.22	-0.22	-1.08	
6,376.0	2.90	271.40	6,370.9	18.6	-141.4	24.1	0.11	-0.11	0.00	
6,470.0	2.90	271.50	6,464.7	18.7	-146.1	24.5	0.01	0.00	0.11	
6,563.0	2.90	271.30	6,557.6	18.8	-150.8	24.8	0.01	0.00	-0.22	
6,656.0	2.90	272.50	6,650.5	19.0	-155.5	25.1	0.07	0.00	1.29	
6,749.0	2.80	273.90	6,743.4	19.2	-160.1	25.5	0.13	-0.11	1.51	
6,843.0	2.70	273.70	6,837.3	19.5	-164.6	26.0	0.11	-0.11	-0.21	
6,936.0	2.70	274.10	6,930.2	19.8	-169.0	26.5	0.02	0.00	0.43	
7,029.0	2.90	271.60	7,023.1	20.0	-173.5	26.9	0.25	0.22	-2.69	
7,122.0	2.80	272.20	7,115.9	20.2	-178.2	27.2	0.11	-0.11	0.65	
7,216.0	2.80	271.10	7,209.8	20.3	-182.8	27.5	0.06	0.00	-1.17	
7,309.0	2.80	272.10	7,302.7	20.4	-187.3	27.8	0.05	0.00	1.08	
7,402.0	2.80	271.60	7,395.6	20.6	-191.8	28.2	0.03	0.00	-0.54	
7,495.0	2.90	269.20	7,488.5	20.6	-196.5	28.4	0.17	0.11	-2.58	
7,589.0	2.80	269.30	7,582.4	20.6	-201.1	28.5	0.11	-0.11	0.11	
7,682.0	2.90	269.10	7,675.3	20.5	-205.8	28.6	0.11	0.11	-0.22	
7,775.0	2.70	266.90	7,768.2	20.3	-210.3	28.7	0.24	-0.22	-2.37	
7,865.0	2.50	265.60	7,858.1	20.1	-214.4	28.5	0.23	-0.22	-1.44	
7,958.0	2.40	263.90	7,951.0	19.7	-218.3	28.3	0.13	-0.11	-1.83	
8,051.0	2.20	265.50	8,043.9	19.4	-222.0	28.1	0.23	-0.22	1.72	
8,145.0	2.30	266.50	8,137.8	19.1	-225.7	28.0	0.11	0.11	1.06	
8,238.0	1.90	262.10	8,230.8	18.8	-229.1	27.8	0.46	-0.43	-4.73	
8,331.0	2.00	259.70	8,323.7	18.3	-232.2	27.5	0.14	0.11	-2.58	
8,424.0	1.80	259.10	8,416.7	17.7	-235.3	27.0	0.22	-0.22	-0.65	
8,517.0	1.80	256.10	8,509.6	17.1	-238.1	26.5	0.10	0.00	-3.23	
8,611.0	1.80	253.20	8,603.6	16.3	-241.0	25.8	0.10	0.00	-3.09	
8,704.0	1.80	251.40	8,696.5	15.4	-243.8	25.1	0.06	0.00	-1.94	
8,797.0	0.30	99.30	8,789.5	14.9	-244.9	24.6	2.23	-1.61	-163.55	
8,890.0	0.50	116.70	8,882.5	14.7	-244.3	24.4	0.25	0.22	18.71	
8,983.0	0.20	319.60	8,975.5	14.6	-244.0	24.3	0.74	-0.32	-168.92	
9,077.0	0.50	278.30	9,069.5	14.8	-244.6	24.5	0.40	0.32	-43.94	



QES
Survey Report



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Rojo 7811 34-27 Fed Com #20H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3350.0usft (Patterson #566)
Site:	Sec 34, T25-S, R33-E	MD Reference:	WELL @ 3350.0usft (Patterson #566)
Well:	Rojo 7811 34-27 Fed Com #20H	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)	
9,170.0	0.90	282.70	9,162.5	15.0	-245.7	24.8	0.43	0.43	4.73	
9,263.0	1.00	282.40	9,255.5	15.4	-247.2	25.1	0.11	0.11	-0.32	
9,356.0	1.20	300.30	9,348.5	16.0	-248.8	25.9	0.42	0.22	19.25	
9,449.0	1.10	325.40	9,441.5	17.3	-250.2	27.2	0.55	-0.11	26.99	
9,543.0	1.30	296.00	9,535.4	18.5	-251.6	28.4	0.68	0.21	-31.28	
9,636.0	1.80	275.50	9,628.4	19.1	-254.0	29.1	0.79	0.54	-22.04	
9,730.0	0.50	164.50	9,722.4	18.8	-255.4	28.9	2.16	-1.38	-118.09	
9,823.0	0.70	187.20	9,815.4	17.9	-255.3	28.0	0.33	0.22	24.41	
9,916.0	1.50	228.50	9,908.4	16.5	-256.3	26.6	1.16	0.86	44.41	
10,009.0	1.60	244.60	10,001.3	15.1	-258.4	25.4	0.48	0.11	17.31	
10,103.0	2.00	258.90	10,095.3	14.3	-261.2	24.6	0.64	0.43	15.21	
10,196.0	2.00	292.30	10,188.2	14.6	-264.3	25.0	1.24	0.00	35.91	
10,289.0	1.90	316.70	10,281.2	16.3	-266.9	26.8	0.89	-0.11	26.24	
10,382.0	0.10	39.30	10,374.2	17.5	-267.9	28.1	2.03	-1.94	88.82	
10,475.0	1.10	160.80	10,467.2	16.7	-267.5	27.3	1.24	1.08	130.65	
10,569.0	1.30	186.80	10,561.1	14.8	-267.4	25.4	0.61	0.21	27.66	
10,662.0	2.50	119.90	10,654.1	12.7	-265.7	23.2	2.50	1.29	-71.94	
10,755.0	3.10	130.50	10,747.0	10.1	-262.0	20.5	0.85	0.65	11.40	
10,848.0	2.80	135.70	10,839.9	6.8	-258.5	17.1	0.43	-0.32	5.59	
10,942.0	2.10	129.00	10,933.8	4.1	-255.6	14.2	0.80	-0.74	-7.13	
11,035.0	1.10	90.20	11,026.7	3.0	-253.4	13.1	1.53	-1.08	-41.72	
11,128.0	0.40	134.50	11,119.7	2.8	-252.3	12.8	0.93	-0.75	47.63	
11,221.0	0.70	226.20	11,212.7	2.2	-252.4	12.2	0.88	0.32	98.60	
11,314.0	1.70	232.80	11,305.7	0.9	-254.0	11.0	1.08	1.08	7.10	
11,408.0	2.30	269.90	11,399.6	0.1	-257.0	10.3	1.48	0.64	39.47	
11,501.0	1.60	320.00	11,492.6	1.1	-259.7	11.4	1.90	-0.75	53.87	
11,594.0	3.30	322.10	11,585.5	4.2	-262.1	14.6	1.83	1.83	2.26	
11,687.0	3.20	340.30	11,678.4	8.8	-264.6	19.2	1.11	-0.11	19.57	
11,779.0	2.40	353.80	11,770.3	13.1	-265.7	23.6	1.12	-0.87	14.67	
11,873.0	1.80	357.90	11,864.2	16.5	-266.0	27.0	0.66	-0.64	4.36	
11,966.0	1.50	348.30	11,957.2	19.2	-266.3	29.7	0.44	-0.32	-10.32	
12,059.0	1.30	339.10	12,050.1	21.3	-266.9	31.9	0.32	-0.22	-9.89	
12,153.0	0.90	334.80	12,144.1	23.0	-267.6	33.6	0.43	-0.43	-4.57	
12,246.0	0.70	311.60	12,237.1	24.0	-268.3	34.7	0.41	-0.22	-24.95	
12,339.0	0.70	282.00	12,330.1	24.5	-269.3	35.2	0.38	0.00	-31.83	
12,400.0	0.60	272.00	12,391.1	24.6	-270.0	35.3	0.25	-0.16	-16.39	
12,470.0	0.60	235.40	12,461.1	24.4	-270.7	35.1	0.54	0.00	-52.29	
12,565.0	7.80	358.30	12,555.8	30.6	-271.3	41.3	8.57	7.58	129.37	
12,660.0	25.60	4.80	12,646.4	57.7	-269.7	68.4	18.81	18.74	6.84	
12,754.0	31.40	4.80	12,729.0	102.4	-266.0	112.9	6.17	6.17	0.00	
12,849.0	39.60	359.80	12,806.3	157.4	-264.0	167.8	9.15	8.63	-5.26	
12,944.0	49.50	359.50	12,873.9	224.0	-264.4	234.3	10.42	10.42	-0.32	
13,039.0	57.50	1.60	12,930.4	300.3	-263.6	310.5	8.61	8.42	2.21	
LL Crossed @ 13102.7'MD / 12960.6' TVD										



QES Survey Report



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Rojo 7811 34-27 Fed Com #20H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3350.0usft (Patterson #566)
Site:	Sec 34, T25-S, R33-E	MD Reference:	WELL @ 3350.0usft (Patterson #566)
Well:	Rojo 7811 34-27 Fed Com #20H	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)	
13,102.7	65.75	2.15	12,960.6	356.3	-261.8	366.4	12.97	12.95	0.87	
13,134.0	69.80	2.40	12,972.5	385.2	-260.6	395.2	12.97	12.95	0.78	
100' HL Crossed @ 13207.9'MD / 12991.8' TVD										
13,207.9	79.83	1.85	12,991.8	456.4	-258.0	466.3	13.60	13.58	-0.75	
13,229.0	82.70	1.70	12,995.0	477.2	-257.4	487.1	13.60	13.58	-0.71	
13,258.0	86.60	2.50	12,997.7	506.1	-256.3	515.8	13.73	13.45	2.76	
13,353.0	88.40	2.70	13,001.8	600.9	-252.0	610.4	1.91	1.89	0.21	
13,447.0	89.10	1.90	13,003.9	694.8	-248.2	704.1	1.13	0.74	-0.85	
13,542.0	89.90	1.40	13,004.7	789.7	-245.5	798.8	0.99	0.84	-0.53	
13,638.0	91.00	1.70	13,004.0	885.7	-242.9	894.6	1.19	1.15	0.31	
13,733.0	92.30	358.10	13,001.2	980.6	-243.1	989.5	4.03	1.37	-3.79	
13,827.0	93.80	357.70	12,996.2	1,074.4	-246.5	1,083.4	1.65	1.60	-0.43	
13,922.0	93.50	358.60	12,990.2	1,169.2	-249.6	1,178.2	1.00	-0.32	0.95	
14,017.0	91.10	357.70	12,986.4	1,264.1	-252.6	1,273.1	2.70	-2.53	-0.95	
14,111.0	90.00	357.60	12,985.5	1,358.0	-256.5	1,367.1	1.18	-1.17	-0.11	
14,205.0	88.30	357.30	12,986.9	1,451.9	-260.7	1,461.1	1.84	-1.81	-0.32	
14,300.0	88.70	357.00	12,989.4	1,546.7	-265.4	1,556.0	0.53	0.42	-0.32	
14,395.0	87.10	357.90	12,992.8	1,641.6	-269.6	1,651.0	1.93	-1.68	0.95	
14,490.0	87.40	357.00	12,997.4	1,736.4	-273.8	1,745.8	1.00	0.32	-0.95	
14,584.0	87.80	357.20	13,001.3	1,830.2	-278.6	1,839.8	0.48	0.43	0.21	
14,680.0	90.40	359.50	13,002.8	1,926.1	-281.3	1,935.7	3.62	2.71	2.40	
14,774.0	92.00	0.00	13,000.9	2,020.1	-281.8	2,029.6	1.78	1.70	0.53	
14,868.0	90.50	0.50	12,998.8	2,114.0	-281.3	2,123.5	1.68	-1.60	0.53	
14,963.0	90.50	0.20	12,998.0	2,209.0	-280.8	2,218.4	0.32	0.00	-0.32	
15,058.0	90.60	0.10	12,997.1	2,304.0	-280.5	2,313.3	0.15	0.11	-0.11	
15,153.0	92.00	1.20	12,994.9	2,399.0	-279.4	2,408.2	1.87	1.47	1.16	
15,248.0	90.50	359.90	12,992.8	2,494.0	-278.5	2,503.0	2.09	-1.58	-1.37	
15,342.0	91.00	359.20	12,991.6	2,588.0	-279.3	2,597.0	0.92	0.53	-0.74	
15,438.0	90.30	359.00	12,990.5	2,683.9	-280.8	2,693.0	0.76	-0.73	-0.21	
15,533.0	89.80	358.00	12,990.4	2,778.9	-283.3	2,787.9	1.18	-0.53	-1.05	
15,627.0	90.40	357.60	12,990.3	2,872.8	-286.9	2,881.9	0.77	0.64	-0.43	
15,722.0	91.40	358.20	12,988.8	2,967.8	-290.3	2,976.9	1.23	1.05	0.63	
15,817.0	89.70	359.60	12,987.9	3,062.7	-292.2	3,071.9	2.32	-1.79	1.47	
15,912.0	90.00	0.50	12,988.1	3,157.7	-292.1	3,166.8	1.00	0.32	0.95	
16,007.0	91.80	0.40	12,986.6	3,252.7	-291.3	3,261.7	1.90	1.89	-0.11	
16,102.0	89.10	0.10	12,985.9	3,347.7	-290.9	3,356.6	2.86	-2.84	-0.32	
16,197.0	89.30	359.00	12,987.2	3,442.7	-291.7	3,451.5	1.18	0.21	-1.16	
16,292.0	90.60	359.00	12,987.3	3,537.7	-293.3	3,546.5	1.37	1.37	0.00	
16,387.0	92.40	359.20	12,984.8	3,632.6	-294.8	3,641.4	1.91	1.89	0.21	
16,482.0	89.20	0.30	12,983.5	3,727.6	-295.2	3,736.4	3.56	-3.37	1.16	
16,576.0	89.80	0.50	12,984.3	3,821.6	-294.6	3,830.3	0.67	0.64	0.21	
16,671.0	91.10	0.50	12,983.6	3,916.6	-293.7	3,925.1	1.37	1.37	0.00	
16,765.0	87.70	0.70	12,984.5	4,010.6	-292.8	4,019.0	3.62	-3.62	0.21	



QES Survey Report



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Rojo 7811 34-27 Fed Com #20H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3350.0usft (Patterson #566)
Site:	Sec 34, T25-S, R33-E	MD Reference:	WELL @ 3350.0usft (Patterson #566)
Well:	Rojo 7811 34-27 Fed Com #20H	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)
16,860.0	87.00	0.30	12,988.9	4,105.4	-291.9	4,113.8	0.85	-0.74	-0.42
16,955.0	87.40	359.90	12,993.6	4,200.3	-291.8	4,208.6	0.60	0.42	-0.42
17,049.0	88.20	359.30	12,997.2	4,294.3	-292.4	4,302.5	1.06	0.85	-0.64
17,144.0	88.50	359.20	12,999.9	4,389.2	-293.7	4,397.4	0.33	0.32	-0.11
17,239.0	91.20	1.20	13,000.2	4,484.2	-293.3	4,492.3	3.54	2.84	2.11
17,333.0	93.50	2.00	12,996.3	4,578.1	-290.7	4,586.0	2.59	2.45	0.85
17,429.0	91.70	1.60	12,992.0	4,673.9	-287.7	4,681.7	1.92	-1.88	-0.42
17,524.0	88.70	359.20	12,991.6	4,768.9	-287.0	4,776.5	4.04	-3.16	-2.53
17,619.0	89.70	359.80	12,993.0	4,863.9	-287.9	4,871.5	1.23	1.05	0.63
17,713.0	91.50	0.50	12,992.0	4,957.9	-287.6	4,965.4	2.05	1.91	0.74
17,808.0	89.00	358.30	12,991.6	5,052.9	-288.6	5,060.3	3.51	-2.63	-2.32
17,903.0	89.30	357.40	12,993.0	5,147.8	-292.2	5,155.3	1.00	0.32	-0.95
17,999.0	90.20	357.20	12,993.4	5,243.7	-296.7	5,251.3	0.96	0.94	-0.21
18,094.0	90.60	357.50	12,992.7	5,338.6	-301.1	5,346.3	0.53	0.42	0.32
18,189.0	90.10	355.40	12,992.1	5,433.4	-307.0	5,441.3	2.27	-0.53	-2.21
18,283.0	90.30	357.10	12,991.8	5,527.2	-313.1	5,535.2	1.82	0.21	1.81
18,378.0	91.10	357.30	12,990.7	5,622.1	-317.8	5,630.2	0.87	0.84	0.21
18,473.0	91.80	359.80	12,988.2	5,717.0	-320.2	5,725.2	2.73	0.74	2.63
18,567.0	91.40	359.80	12,985.6	5,810.9	-320.5	5,819.1	0.43	-0.43	0.00
18,662.0	89.90	359.50	12,984.5	5,905.9	-321.1	5,914.0	1.61	-1.58	-0.32
18,757.0	88.40	359.00	12,986.0	6,000.9	-322.3	6,009.0	1.66	-1.58	-0.53
18,852.0	90.00	359.10	12,987.3	6,095.9	-323.9	6,103.9	1.69	1.68	0.11
18,947.0	90.30	1.10	12,987.0	6,190.9	-323.7	6,198.8	2.13	0.32	2.11
19,041.0	88.00	1.20	12,988.4	6,284.8	-321.8	6,292.7	2.45	-2.45	0.11
19,136.0	88.30	0.80	12,991.5	6,379.8	-320.2	6,387.5	0.53	0.32	-0.42
19,231.0	88.90	0.40	12,993.8	6,474.7	-319.2	6,482.3	0.76	0.63	-0.42
19,326.0	88.00	358.40	12,996.4	6,569.7	-320.2	6,577.2	2.31	-0.95	-2.11
19,421.0	89.20	357.80	12,998.7	6,664.6	-323.3	6,672.2	1.41	1.26	-0.63
19,515.0	87.30	359.40	13,001.6	6,758.5	-325.6	6,766.1	2.64	-2.02	1.70
19,611.0	88.30	359.70	13,005.3	6,854.5	-326.4	6,862.0	1.09	1.04	0.31
19,705.0	87.80	358.60	13,008.5	6,948.4	-327.8	6,955.9	1.28	-0.53	-1.17
19,800.0	89.00	359.80	13,011.1	7,043.4	-329.1	7,050.9	1.79	1.26	1.26
19,894.0	91.90	1.70	13,010.4	7,137.3	-327.9	7,144.7	3.69	3.09	2.02
19,989.0	93.40	1.90	13,006.0	7,232.2	-324.9	7,239.4	1.59	1.58	0.21
20,083.0	93.40	1.50	13,000.4	7,326.0	-322.1	7,333.0	0.42	0.00	-0.43
20,178.0	89.80	0.80	12,997.8	7,420.9	-320.2	7,427.8	3.86	-3.79	-0.74
20,274.0	89.30	2.70	12,998.5	7,516.8	-317.3	7,523.5	2.05	-0.52	1.98
20,369.0	86.80	359.20	13,001.7	7,611.8	-315.7	7,618.3	4.53	-2.63	-3.68
20,464.0	87.10	358.50	13,006.8	7,706.6	-317.6	7,713.1	0.80	0.32	-0.74
20,559.0	87.70	358.40	13,011.1	7,801.5	-320.2	7,808.0	0.64	0.63	-0.11
20,653.0	86.90	356.90	13,015.5	7,895.3	-324.0	7,901.9	1.81	-0.85	-1.60
20,747.0	91.30	0.40	13,017.0	7,989.2	-326.2	7,995.9	5.98	4.68	3.72
20,842.0	91.50	0.10	13,014.7	8,084.2	-325.8	8,090.7	0.38	0.21	-0.32
100' HL Crossed @ 20934.4'MD / 13011.3' TVD									



QES
Survey Report



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Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3350.0usft (Patterson #566)
Site:	Sec 34, T25-S, R33-E	MD Reference:	WELL @ 3350.0usft (Patterson #566)
Well:	Rojo 7811 34-27 Fed Com #20H	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)	
20,934.4	92.75	359.93	13,011.3	8,176.5	-325.8	8,183.0	1.36	1.35	-0.18	
20,953.0	93.00	359.90	13,010.3	8,195.1	-325.8	8,201.6	1.36	1.35	-0.18	
TD @ 21010.0' MD / 13007.4' TVD										
21,010.0	93.00	359.90	13,007.4	8,252.0	-325.9	8,258.4	0.00	0.00	0.00	

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
169.0	169.0	0.7	-0.2	First MWD Survey @ 169.0' MD / 169.0' TVD	
13,102.7	12,960.6	356.3	-261.8	LL Crossed @ 13102.7'MD / 12960.6' TVD	
13,207.9	12,991.8	456.4	-258.0	100' HL Crossed @ 13207.9'MD / 12991.8' TVD	
20,934.4	13,011.3	8,176.5	-325.8	100' HL Crossed @ 20934.4'MD / 13011.3' TVD	
21,010.0	13,007.4	8,252.0	-325.9	TD @ 21010.0' MD / 13007.4' TVD	

Checked By: _____	Approved By: _____	Date: _____
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Well Name: ROJO 7811 34-27 FED COM	Well Location: T25S / R33E / SEC 34 / NWSW / 32.086913 / -103.566511	County or Parish/State: LEA / NM
Well Number: 20H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0005792, NMNM05792	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002547460	Well Status: Approved Application for Permit to Drill	Operator: BTA OIL PRODUCERS LLC

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 04/06/2021	Time Sundry Submitted: 03:09
Date Operation Actually Began: 03/02/2021	

Actual Procedure: TD @ 21,010 REACHED 10/08/2020. 03/02/2021: PERFORATE AND FRAC UPPER WOLFCAMP: 13,212' - 20,879' with 22.87 MMS OF 100 MESH NATIVE. TOTAL FLUID WAS 503,215 BBLS SW. 3/23/2021: COMPLETE DRILLOUT. 3/27/2021: TURN WELL OVER TO FLOWBACK. START FLOWING BACK AND TESTING.

Operator Certification

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: REDDELL	Signed on: APR 06, 2021 03:09 PM
Name: BTA OIL PRODUCERS LLC	
Title: Regulatory Analyst	
Street Address: 104 S Pecos	
City: Midland	State: TX
Phone: (432) 682-3753	
Email address: Kredell@btaoil.com	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

Received by OCD: 4/20/2021 2:18:04 PM

Page 12 of 14

Well Name: ROJO 7811 34-27 FED COM	Well Location: T25S / R33E / SEC 34 / NWSW / 32.086913 / -103.566511	County or Parish/State: LEA / NM
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US Well Number: 3002547460	Well Status: Approved Application for Permit to Drill	Operator: BTA OIL PRODUCERS LLC

BLM Point of Contact

BLM POC Name: Jonathon W Shepard	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Accepted	Disposition Date: 04/06/2021
Signature: Jonathon Shepard	

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 24866

ACKNOWLEDGMENTS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 24866
	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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State of New Mexico
Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

CONDITIONS

Action 24866

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 24866
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	Submit Completion Report	7/7/2021