

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.		² OGRID Number 260297	
		³ Reason for Filing Code/ Effective Date NEW WELL	
⁴ API Number 30 – 025-47153	⁵ Pool Name JENNINGS-UPPER BONE SPRING		⁶ Pool Code 97838
⁷ Property Code 327174	⁸ Property Name MESA 8105 1-12 FED		⁹ Well Number 43H

II. ¹⁰ Surface Location

Ul or lot no. D	Sec 1	Township 26S	Range 32E	Lot Idn	280	NORTH LINE	960	WEST LINE	County LEA
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¹¹ Bottom Hole Location

UL or lot no M	Section 12	Township 26S	Range 32E	Lot Idn	50	SOUTH LINE	350	WEST LINE	LEA	
¹² Lse Code F	¹³ Producing Method FLOWING		¹⁴ Gas Connection 1/25/2021			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 5/20/2020	²² Ready Date 1/25/2021	²³ TD 19,663’	PBTD: 19,649’	²⁵ Perforations 9,500’ – 19,635’	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17 1/2		13 3/8	800		710
12 1/4		9 5/8	4,787		1,655
8 3/4		5 ½	19,653		3,155

V. Well Test Data

³¹ Date New Oil 1/25/2021	³² Gas Delivery Date 1/25/2021	³³ Test Date 2/01/2021	³⁴ Test Length 24	³⁵ Tbg. Pressure 890 PSI	³⁶ Csg. Pressure
³⁷ Choke Size 32/64”	³⁸ Oil 451	³⁹ Water 2029	⁴⁰ Gas 1020 MCF		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: NMOCD, SANTA FE		
Title: REGULATORY ANALYST			Approval Date: 06/30/2021		
E-mail Address: kreddell@btaoil.com 01/28/2021 432-682-3753					

Date:	Phone:	
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DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-9720

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

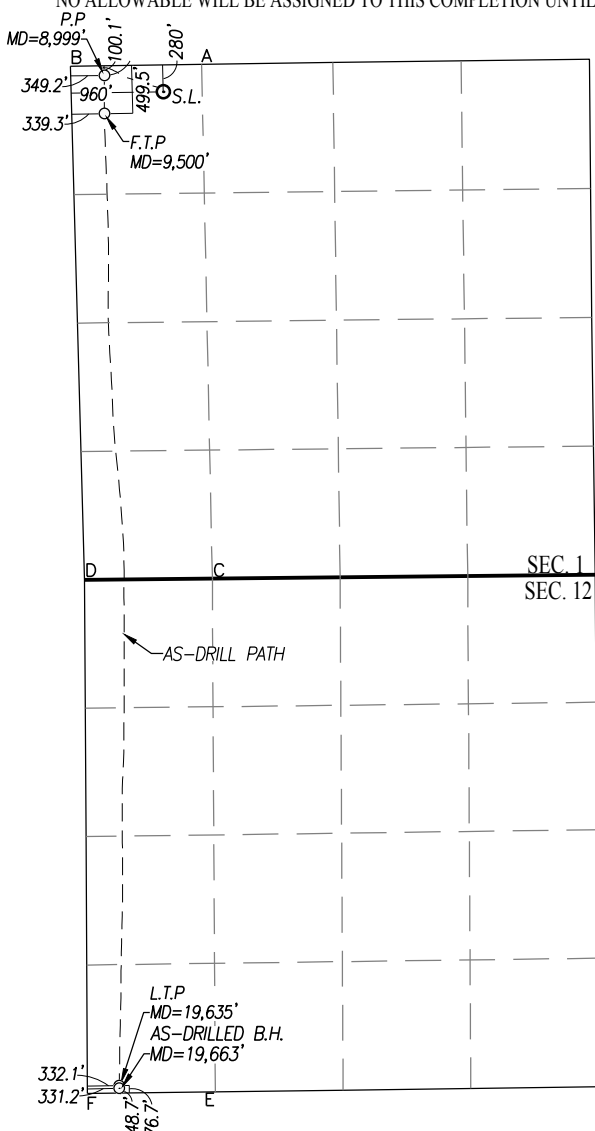
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-47153		Pool Code 97838		Pool Name JENNINGS-UPPER BONE SPRING					
Property Code 327174		Property Name MESA 8105 1-12 FED						Well Number 43H	
OGRID No. 260297		Operator Name BTA OIL PRODUCERS, LLC						Elevation 3336'	
Surface Location									
UL or lot No. D	Section 1	Township 26-S	Range 32-E	Lot Idn	Feet from the 280	North/South line NORTH	Feet from the 960	East/West line WEST	County LEA
As-Drilled Bottom Hole Location If Different From Surface									
UL or lot No. M	Section 12	Township 26-S	Range 32-E	Lot Idn	Feet from the 48.7	North/South line SOUTH	Feet from the 331.2	East/West line WEST	County LEA
Penetration Point Location									
UL or lot No. D	Section 1	Township 26-S	Range 32-E	Lot Idn	Feet from the 100.1	North/South line NORTH	Feet from the 349.2	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= 393166.4 N X= 757869.0 E LAT.=32.078965° N LONG.=103.634225° W	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 393108.9 N X= 716682.5 E LAT.=32.078841° N LONG.=103.633754° W
PENETRATION POINT NAD 83 NME Y= 393337.2 N X= 757253.3 E LAT.=32.079446° N LONG.=103.636210° W	PENETRATION POINT NAD 27 NME Y= 393279.6 N X= 716066.7 E LAT.=32.079321° N LONG.=103.635738° W
FIRST TAKE POINT NAD 83 NME Y= 392937.9 N X= 757254.4 E LAT.=32.078348° N LONG.=103.636214° W	FIRST TAKE POINT NAD 27 NME Y= 392880.4 N X= 716067.9 E LAT.=32.078223° N LONG.=103.635743° W
CORNER COORDINATES TABLE NAD 27 NME	
A - Y= 393394.8 N, X= 717081.4 E	B - Y= 393374.5 N, X= 715714.9 E
C - Y= 388039.4 N, X= 717192.6 E	D - Y= 388025.8 N, X= 715861.6 E
E - Y= 382694.3 N, X= 717222.3 E	F - Y= 382677.2 N, X= 715890.1 E
CORNER COORDINATES TABLE NAD 83 NME	
A - Y= 393452.3 N, X= 758267.9 E	B - Y= 393432.1 N, X= 756901.4 E
C - Y= 388096.8 N, X= 758379.4 E	D - Y= 388083.2 N, X= 757048.4 E
E - Y= 382751.6 N, X= 758409.4 E	F - Y= 382734.4 N, X= 757077.1 E
LAST TAKE POINT NAD 83 NME Y= 382815.4 N X= 757408.8 E LAT.=32.050521° N LONG.=103.635927° W	LAST TAKE POINT NAD 27 NME Y= 382758.1 N X= 716221.8 E LAT.=32.050396° N LONG.=103.635457° W
AS-DRILLED BOTTOM HOLE LOCATION NAD 83 NME Y= 382787.4 N X= 757408.0 E LAT.=32.050444° N LONG.=103.635930° W	AS-DRILLED BOTTOM HOLE LOCATION NAD 27 NME Y= 382730.2 N X= 716221.0 E LAT.=32.050319° N LONG.=103.635460° W
NOTE: AS-DRILLED BOTTOM HOLE, LAST TAKE POINT, FIRST TAKE POINT AND PENETRATION POINT PLOTTED FROM DATA FURNISHED BY QES SURVEY REPORT ON JUNE 21, 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 03/10/2021

Signature

Date

KATY REDDELL

Printed Name

KREDDELL@BTAOIL.COM

E-mail Address

SURVEYOR CERTIFICATION

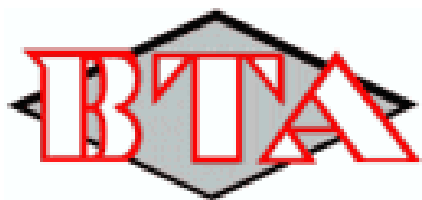
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature & Seal of Professional Surveyor

GARY G. EIDSON
12641
03/01/2021
Certificate Number Gary G. Eidson 12641
Ronald J. Eidson 3239

ACK REL. W.O.:19110918 JWSC W.O.: 21.13.0082



BTA Oil Producers, LLC

Lea County, NM (NAD 83)

Sec 1, T26-S, R32-E

Mesa 8105 1-12 Fed #43H

Wellbore #1

Design: Wellbore #1

Survey Report - Geographic

21 June, 2020





QES
Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #43H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3361.0usft (Patterson #597)
Site:	Sec 1, T26-S, R32-E	MD Reference:	WELL @ 3361.0usft (Patterson #597)
Well:	Mesa 8105 1-12 Fed #43H	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 1, T26-S, R32-E		
Site Position:		Northing:	393,099.20 usft
From:	Map	Easting:	760,413.30 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 4' 43.446 N
		Longitude:	103° 37' 33.646 W
		Grid Convergence:	0.38 °

Well	Mesa 8105 1-12 Fed #43H		
Well Position	+N/-S	0.0 usft	Northing: 393,166.40 usft
	+E/-W	0.0 usft	Easting: 757,869.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 4' 44.275 N
		Longitude:	103° 38' 3.212 W
		Ground Level:	3,336.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	6/3/2020	6.53	59.67	47,639.70000000

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	182.44	

Survey Program	Date	6/21/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
165.0	19,663.0	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	393,166.40	757,869.00	32° 4' 44.275 N	103° 38' 3.212 W
165.0	1.30	31.00	165.0	1.6	1.0	393,168.00	757,869.96	32° 4' 44.291 N	103° 38' 3.201 W
First MWD Survey @ 165.0' MD / 165.0' TVD									
233.0	1.60	27.80	233.0	3.1	1.8	393,169.50	757,870.80	32° 4' 44.306 N	103° 38' 3.191 W
290.0	1.80	28.00	289.9	4.6	2.6	393,171.00	757,871.59	32° 4' 44.321 N	103° 38' 3.181 W
347.0	1.80	33.60	346.9	6.1	3.5	393,172.53	757,872.51	32° 4' 44.336 N	103° 38' 3.171 W
405.0	2.00	38.20	404.9	7.7	4.6	393,174.09	757,873.64	32° 4' 44.351 N	103° 38' 3.157 W
463.0	2.00	38.20	462.8	9.3	5.9	393,175.68	757,874.89	32° 4' 44.367 N	103° 38' 3.143 W
552.0	1.80	39.40	551.8	11.6	7.7	393,177.98	757,876.74	32° 4' 44.389 N	103° 38' 3.121 W
615.0	1.80	42.60	614.8	13.1	9.0	393,179.47	757,878.04	32° 4' 44.404 N	103° 38' 3.106 W
709.0	1.60	48.50	708.7	15.0	11.0	393,181.43	757,880.02	32° 4' 44.423 N	103° 38' 3.083 W
765.0	1.40	58.60	764.7	15.9	12.2	393,182.30	757,881.19	32° 4' 44.432 N	103° 38' 3.069 W



QES
Survey Report - Geographic



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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
868.0	1.30	350.70	867.7	17.7	13.1	393,184.11	757,882.07	32° 4' 44.450 N	103° 38' 3.059 W
963.0	2.90	315.40	962.6	20.5	11.2	393,186.89	757,880.21	32° 4' 44.477 N	103° 38' 3.080 W
1,057.0	5.90	305.70	1,056.3	25.0	5.6	393,191.40	757,874.62	32° 4' 44.522 N	103° 38' 3.145 W
1,152.0	8.70	296.70	1,150.6	31.1	-4.8	393,197.48	757,864.23	32° 4' 44.583 N	103° 38' 3.265 W
1,247.0	8.60	287.80	1,244.5	36.5	-17.9	393,202.88	757,851.05	32° 4' 44.638 N	103° 38' 3.418 W
1,342.0	9.10	287.10	1,338.3	40.9	-31.9	393,207.26	757,837.10	32° 4' 44.682 N	103° 38' 3.579 W
1,437.0	8.10	283.40	1,432.3	44.6	-45.6	393,211.02	757,823.41	32° 4' 44.720 N	103° 38' 3.738 W
1,532.0	6.50	279.90	1,526.5	47.1	-57.4	393,213.50	757,811.60	32° 4' 44.745 N	103° 38' 3.875 W
1,627.0	7.00	283.90	1,620.8	49.4	-68.3	393,215.81	757,800.69	32° 4' 44.769 N	103° 38' 4.002 W
1,721.0	7.30	285.30	1,714.1	52.4	-79.6	393,218.76	757,789.37	32° 4' 44.799 N	103° 38' 4.133 W
1,817.0	7.70	289.00	1,809.3	56.1	-91.6	393,222.47	757,777.40	32° 4' 44.836 N	103° 38' 4.272 W
1,911.0	8.10	289.00	1,902.4	60.3	-103.8	393,226.67	757,765.19	32° 4' 44.878 N	103° 38' 4.414 W
2,006.0	7.40	278.30	1,996.5	63.3	-116.2	393,229.73	757,752.80	32° 4' 44.910 N	103° 38' 4.558 W
2,101.0	8.00	277.90	2,090.7	65.1	-128.8	393,231.53	757,740.20	32° 4' 44.928 N	103° 38' 4.704 W
2,196.0	8.20	280.20	2,184.7	67.2	-142.0	393,233.63	757,726.99	32° 4' 44.950 N	103° 38' 4.857 W
2,291.0	9.20	281.30	2,278.6	69.9	-156.1	393,236.32	757,712.87	32° 4' 44.977 N	103° 38' 5.021 W
2,386.0	7.30	278.10	2,372.7	72.3	-169.5	393,238.66	757,699.45	32° 4' 45.001 N	103° 38' 5.177 W
2,481.0	7.50	279.00	2,466.9	74.1	-181.6	393,240.48	757,687.35	32° 4' 45.020 N	103° 38' 5.317 W
2,575.0	8.00	282.50	2,560.0	76.5	-194.1	393,242.86	757,674.90	32° 4' 45.044 N	103° 38' 5.462 W
2,669.0	8.40	281.80	2,653.0	79.3	-207.2	393,245.68	757,661.80	32° 4' 45.073 N	103° 38' 5.614 W
2,764.0	7.20	286.90	2,747.2	82.4	-219.7	393,248.83	757,649.31	32° 4' 45.105 N	103° 38' 5.759 W
2,859.0	7.30	292.20	2,841.4	86.4	-231.0	393,252.84	757,638.02	32° 4' 45.146 N	103° 38' 5.890 W
2,953.0	7.70	293.90	2,934.6	91.2	-242.3	393,257.65	757,626.74	32° 4' 45.194 N	103° 38' 6.021 W
3,048.0	7.60	293.20	3,028.8	96.3	-253.9	393,262.70	757,615.14	32° 4' 45.245 N	103° 38' 6.155 W
3,142.0	7.70	297.80	3,121.9	101.7	-265.1	393,268.08	757,603.86	32° 4' 45.299 N	103° 38' 6.286 W
3,237.0	8.00	297.40	3,216.0	107.7	-276.6	393,274.10	757,592.36	32° 4' 45.359 N	103° 38' 6.419 W
3,332.0	7.70	302.50	3,310.1	114.2	-287.9	393,280.56	757,581.12	32° 4' 45.423 N	103° 38' 6.549 W
3,425.0	7.50	290.60	3,402.3	119.6	-298.8	393,286.04	757,570.19	32° 4' 45.478 N	103° 38' 6.676 W
3,520.0	7.80	295.30	3,496.5	124.6	-310.4	393,290.98	757,558.55	32° 4' 45.528 N	103° 38' 6.811 W
3,615.0	6.80	283.90	3,590.7	128.7	-321.7	393,295.08	757,547.27	32° 4' 45.569 N	103° 38' 6.941 W
3,710.0	6.40	288.10	3,685.1	131.7	-332.2	393,298.08	757,536.77	32° 4' 45.600 N	103° 38' 7.063 W
3,804.0	6.30	285.30	3,778.5	134.7	-342.2	393,301.07	757,526.82	32° 4' 45.630 N	103° 38' 7.179 W
3,899.0	6.90	287.60	3,872.9	137.8	-352.6	393,304.17	757,516.35	32° 4' 45.661 N	103° 38' 7.300 W
3,993.0	6.70	290.10	3,966.2	141.4	-363.2	393,307.76	757,505.82	32° 4' 45.698 N	103° 38' 7.422 W
4,088.0	6.40	289.20	4,060.6	145.0	-373.4	393,311.41	757,495.62	32° 4' 45.734 N	103° 38' 7.541 W
4,183.0	5.90	294.50	4,155.1	148.8	-382.8	393,315.17	757,486.17	32° 4' 45.772 N	103° 38' 7.650 W
4,278.0	5.60	298.50	4,249.6	153.0	-391.3	393,319.41	757,477.66	32° 4' 45.815 N	103° 38' 7.749 W
4,372.0	7.10	297.40	4,343.0	157.9	-400.5	393,324.27	757,468.47	32° 4' 45.863 N	103° 38' 7.855 W
4,467.0	7.90	297.40	4,437.2	163.6	-411.5	393,329.98	757,457.46	32° 4' 45.920 N	103° 38' 7.983 W
4,562.0	7.30	299.00	4,531.3	169.5	-422.6	393,335.91	757,446.38	32° 4' 45.980 N	103° 38' 8.111 W
4,625.9	7.64	299.96	4,594.7	173.6	-429.8	393,340.00	757,439.15	32° 4' 46.021 N	103° 38' 8.195 W
100' Producing Area Crossed @ 4625.9' MD / 4594.7' TVD									
4,657.0	7.80	300.40	4,625.5	175.7	-433.5	393,342.10	757,435.54	32° 4' 46.042 N	103° 38' 8.236 W
4,752.0	7.60	299.70	4,719.7	182.1	-444.5	393,348.47	757,424.53	32° 4' 46.106 N	103° 38' 8.364 W
4,834.0	7.30	300.60	4,801.0	187.4	-453.7	393,353.81	757,415.33	32° 4' 46.159 N	103° 38' 8.470 W
4,928.0	7.50	299.20	4,894.2	193.4	-464.2	393,359.84	757,404.84	32° 4' 46.219 N	103° 38' 8.592 W
5,023.0	7.70	299.10	4,988.4	199.6	-475.1	393,365.96	757,393.86	32° 4' 46.281 N	103° 38' 8.719 W
5,118.0	7.80	297.90	5,082.5	205.7	-486.4	393,372.07	757,382.61	32° 4' 46.342 N	103° 38' 8.849 W
5,211.0	7.80	297.50	5,174.6	211.5	-497.6	393,377.94	757,371.43	32° 4' 46.401 N	103° 38' 8.979 W
5,304.0	7.80	295.90	5,266.8	217.2	-508.8	393,383.61	757,360.16	32° 4' 46.457 N	103° 38' 9.110 W
5,398.0	7.90	297.10	5,359.9	222.9	-520.3	393,389.34	757,348.67	32° 4' 46.515 N	103° 38' 9.243 W
5,493.0	7.99	294.70	5,454.0	228.7	-532.1	393,395.07	757,336.86	32° 4' 46.572 N	103° 38' 9.379 W
5,586.0	8.10	294.50	5,546.1	234.1	-544.0	393,400.49	757,325.02	32° 4' 46.627 N	103° 38' 9.517 W
5,681.0	7.70	291.60	5,640.2	239.2	-556.0	393,405.61	757,313.02	32° 4' 46.678 N	103° 38' 9.656 W
5,776.0	7.70	289.10	5,734.3	243.6	-567.9	393,410.04	757,301.08	32° 4' 46.723 N	103° 38' 9.794 W



QES

Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #43H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3361.0usft (Patterson #597)
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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)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,871.0	6.20	280.40	5,828.6	246.6	-579.0	393,413.04	757,290.02	32° 4' 46.753 N	103° 38' 9.922 W
5,965.0	5.70	276.90	5,922.1	248.1	-588.6	393,414.52	757,280.40	32° 4' 46.768 N	103° 38' 10.034 W
6,059.0	5.80	274.70	6,015.6	249.1	-598.0	393,415.47	757,271.03	32° 4' 46.778 N	103° 38' 10.143 W
6,153.0	5.60	274.40	6,109.2	249.8	-607.3	393,416.21	757,261.72	32° 4' 46.786 N	103° 38' 10.251 W
6,247.0	5.60	275.10	6,202.7	250.6	-616.4	393,416.97	757,252.58	32° 4' 46.794 N	103° 38' 10.357 W
6,342.0	3.90	270.90	6,297.4	251.0	-624.3	393,417.44	757,244.73	32° 4' 46.800 N	103° 38' 10.448 W
6,437.0	1.50	238.60	6,392.3	250.4	-628.6	393,416.84	757,240.44	32° 4' 46.794 N	103° 38' 10.498 W
6,530.0	1.00	192.10	6,485.3	249.0	-629.8	393,415.41	757,239.23	32° 4' 46.780 N	103° 38' 10.513 W
6,625.0	1.00	204.90	6,580.2	247.4	-630.3	393,413.85	757,238.71	32° 4' 46.764 N	103° 38' 10.519 W
6,720.0	0.80	126.80	6,675.2	246.3	-630.1	393,412.70	757,238.89	32° 4' 46.753 N	103° 38' 10.517 W
6,814.0	0.80	109.70	6,769.2	245.7	-629.0	393,412.08	757,240.03	32° 4' 46.747 N	103° 38' 10.504 W
6,909.0	1.00	119.10	6,864.2	245.1	-627.6	393,411.46	757,241.38	32° 4' 46.741 N	103° 38' 10.488 W
7,003.0	0.80	118.90	6,958.2	244.3	-626.3	393,410.74	757,242.67	32° 4' 46.733 N	103° 38' 10.473 W
7,098.0	0.90	122.00	7,053.2	243.6	-625.1	393,410.03	757,243.89	32° 4' 46.726 N	103° 38' 10.459 W
7,193.0	0.90	112.70	7,148.2	242.9	-623.8	393,409.34	757,245.21	32° 4' 46.719 N	103° 38' 10.444 W
7,287.0	1.10	121.70	7,242.2	242.2	-622.3	393,408.58	757,246.66	32° 4' 46.712 N	103° 38' 10.427 W
7,382.0	1.10	130.80	7,337.1	241.1	-620.9	393,407.51	757,248.12	32° 4' 46.701 N	103° 38' 10.410 W
7,477.0	0.60	135.60	7,432.1	240.2	-619.8	393,406.56	757,249.16	32° 4' 46.692 N	103° 38' 10.398 W
7,572.0	0.70	135.50	7,527.1	239.4	-619.1	393,405.79	757,249.92	32° 4' 46.684 N	103° 38' 10.389 W
7,667.0	0.80	131.70	7,622.1	238.5	-618.2	393,404.93	757,250.82	32° 4' 46.675 N	103° 38' 10.379 W
7,759.0	0.70	127.80	7,714.1	237.8	-617.3	393,404.16	757,251.74	32° 4' 46.668 N	103° 38' 10.368 W
7,854.0	0.70	133.40	7,809.1	237.0	-616.4	393,403.41	757,252.62	32° 4' 46.660 N	103° 38' 10.358 W
7,949.0	1.00	135.30	7,904.1	236.0	-615.4	393,402.42	757,253.63	32° 4' 46.650 N	103° 38' 10.346 W
8,045.0	0.70	142.10	8,000.1	235.0	-614.4	393,401.36	757,254.58	32° 4' 46.640 N	103° 38' 10.335 W
8,140.0	0.20	149.10	8,095.1	234.4	-614.0	393,400.76	757,255.02	32° 4' 46.634 N	103° 38' 10.330 W
8,234.0	1.30	2.50	8,189.1	235.3	-613.8	393,401.68	757,255.15	32° 4' 46.643 N	103° 38' 10.329 W
8,329.0	1.40	13.10	8,284.0	237.5	-613.5	393,403.89	757,255.46	32° 4' 46.665 N	103° 38' 10.325 W
8,424.0	1.10	10.00	8,379.0	239.5	-613.1	393,405.92	757,255.88	32° 4' 46.685 N	103° 38' 10.320 W
8,519.0	0.70	358.90	8,474.0	241.0	-613.0	393,407.40	757,256.03	32° 4' 46.699 N	103° 38' 10.318 W
8,613.0	0.40	1.60	8,568.0	241.9	-613.0	393,408.30	757,256.03	32° 4' 46.708 N	103° 38' 10.318 W
8,688.0	0.60	355.90	8,643.0	242.6	-613.0	393,408.95	757,256.00	32° 4' 46.715 N	103° 38' 10.318 W
8,748.0	0.60	180.60	8,703.0	242.6	-613.0	393,408.95	757,255.98	32° 4' 46.715 N	103° 38' 10.318 W
8,843.0	12.90	183.60	8,797.2	231.4	-613.7	393,397.83	757,255.31	32° 4' 46.605 N	103° 38' 10.327 W
8,936.0	25.60	181.90	8,884.8	200.9	-615.0	393,367.26	757,253.98	32° 4' 46.302 N	103° 38' 10.345 W
8,998.8	31.42	181.40	8,939.9	170.9	-615.9	393,337.31	757,253.13	32° 4' 46.006 N	103° 38' 10.357 W
100' Producing Area Crossed @ 8998.8' MD / 8939.9' TVD									
9,031.0	34.40	181.20	8,967.0	153.4	-616.3	393,319.83	757,252.74	32° 4' 45.833 N	103° 38' 10.363 W
9,126.0	41.50	178.90	9,041.8	95.1	-616.2	393,261.45	757,252.78	32° 4' 45.255 N	103° 38' 10.367 W
9,220.0	53.30	180.60	9,105.4	26.0	-616.0	393,192.38	757,252.98	32° 4' 44.572 N	103° 38' 10.370 W
9,315.0	61.80	179.10	9,156.3	-54.1	-615.8	393,112.29	757,253.24	32° 4' 43.779 N	103° 38' 10.373 W
9,410.0	71.50	179.80	9,193.9	-141.2	-614.9	393,025.18	757,254.06	32° 4' 42.917 N	103° 38' 10.370 W
9,504.0	81.00	179.90	9,216.2	-232.4	-614.7	392,933.98	757,254.30	32° 4' 42.015 N	103° 38' 10.374 W
9,532.0	85.40	179.10	9,219.5	-260.2	-614.5	392,906.19	757,254.54	32° 4' 41.740 N	103° 38' 10.373 W
9,627.0	88.30	178.40	9,224.8	-355.0	-612.4	392,811.36	757,256.61	32° 4' 40.801 N	103° 38' 10.356 W
9,721.0	88.10	177.90	9,227.7	-448.9	-609.4	392,717.46	757,259.64	32° 4' 39.872 N	103° 38' 10.328 W
9,816.0	87.80	177.60	9,231.1	-543.8	-605.6	392,622.59	757,263.37	32° 4' 38.933 N	103° 38' 10.292 W
9,910.0	87.40	177.50	9,235.0	-637.6	-601.6	392,528.76	757,267.38	32° 4' 38.004 N	103° 38' 10.252 W
10,004.0	87.50	177.60	9,239.2	-731.5	-597.6	392,434.94	757,271.40	32° 4' 37.075 N	103° 38' 10.212 W
10,098.0	86.80	178.40	9,243.9	-825.3	-594.3	392,341.12	757,274.68	32° 4' 36.147 N	103° 38' 10.181 W
10,193.0	87.60	177.40	9,248.5	-920.1	-590.8	392,246.30	757,278.15	32° 4' 35.208 N	103° 38' 10.148 W
10,288.0	89.40	177.90	9,251.0	-1,015.0	-587.0	392,151.41	757,282.05	32° 4' 34.269 N	103° 38' 10.110 W
10,383.0	90.20	178.30	9,251.4	-1,109.9	-583.8	392,056.47	757,285.20	32° 4' 33.329 N	103° 38' 10.080 W
10,477.0	90.40	178.30	9,250.9	-1,203.9	-581.0	391,962.51	757,287.98	32° 4' 32.399 N	103° 38' 10.055 W
10,573.0	90.60	178.50	9,250.0	-1,299.8	-578.3	391,866.55	757,290.66	32° 4' 31.450 N	103° 38' 10.031 W
10,666.0	90.20	178.90	9,249.4	-1,392.8	-576.2	391,773.58	757,292.77	32° 4' 30.530 N	103° 38' 10.014 W



QES

Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #43H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3361.0usft (Patterson #597)
Site:	Sec 1, T26-S, R32-E	MD Reference:	WELL @ 3361.0usft (Patterson #597)
Well:	Mesa 8105 1-12 Fed #43H	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
10,761.0	90.90	179.10	9,248.5	-1,487.8	-574.6	391,678.60	757,294.43	32° 4' 29.590 N	103° 38' 10.001 W
10,855.0	91.10	178.70	9,246.8	-1,581.8	-572.8	391,584.63	757,296.24	32° 4' 28.660 N	103° 38' 9.988 W
10,950.0	88.90	179.30	9,246.8	-1,676.8	-571.1	391,489.65	757,297.89	32° 4' 27.720 N	103° 38' 9.975 W
11,045.0	89.30	179.80	9,248.3	-1,771.7	-570.4	391,394.66	757,298.64	32° 4' 26.780 N	103° 38' 9.974 W
11,140.0	89.80	180.50	9,249.1	-1,866.7	-570.6	391,299.67	757,298.39	32° 4' 25.840 N	103° 38' 9.984 W
11,235.0	91.00	181.10	9,248.4	-1,961.7	-571.9	391,204.68	757,297.07	32° 4' 24.900 N	103° 38' 10.006 W
11,330.0	90.30	181.10	9,247.3	-2,056.7	-573.8	391,109.71	757,295.24	32° 4' 23.960 N	103° 38' 10.035 W
11,425.0	89.20	179.60	9,247.7	-2,151.7	-574.3	391,014.71	757,294.66	32° 4' 23.020 N	103° 38' 10.049 W
11,521.0	90.60	180.60	9,247.9	-2,247.7	-574.5	390,918.72	757,294.49	32° 4' 22.070 N	103° 38' 10.058 W
11,616.0	88.20	179.20	9,248.9	-2,342.7	-574.3	390,823.73	757,294.66	32° 4' 21.130 N	103° 38' 10.063 W
11,711.0	88.00	177.20	9,252.0	-2,437.6	-571.4	390,728.84	757,297.64	32° 4' 20.191 N	103° 38' 10.035 W
11,805.0	88.40	177.20	9,255.0	-2,531.4	-566.8	390,634.99	757,302.23	32° 4' 19.262 N	103° 38' 9.989 W
11,900.0	88.40	176.90	9,257.7	-2,626.2	-561.9	390,540.16	757,307.12	32° 4' 18.323 N	103° 38' 9.940 W
11,995.0	88.40	177.00	9,260.3	-2,721.1	-556.8	390,445.33	757,312.17	32° 4' 17.385 N	103° 38' 9.888 W
12,089.0	88.60	176.90	9,262.8	-2,814.9	-551.8	390,351.49	757,317.17	32° 4' 16.456 N	103° 38' 9.837 W
12,184.0	89.10	176.90	9,264.7	-2,909.7	-546.7	390,256.65	757,322.31	32° 4' 15.517 N	103° 38' 9.784 W
12,279.0	88.90	176.70	9,266.3	-3,004.6	-541.4	390,161.81	757,327.61	32° 4' 14.578 N	103° 38' 9.730 W
12,374.0	89.40	176.90	9,267.7	-3,099.4	-536.1	390,066.97	757,332.91	32° 4' 13.639 N	103° 38' 9.675 W
12,468.0	89.60	177.20	9,268.6	-3,193.3	-531.2	389,973.10	757,337.75	32° 4' 12.710 N	103° 38' 9.626 W
12,562.0	90.50	178.00	9,268.5	-3,287.2	-527.3	389,879.19	757,341.69	32° 4' 11.780 N	103° 38' 9.587 W
12,655.0	90.90	178.20	9,267.3	-3,380.2	-524.2	389,786.24	757,344.77	32° 4' 10.860 N	103° 38' 9.559 W
12,751.0	89.50	176.20	9,267.0	-3,476.0	-519.5	389,690.37	757,349.46	32° 4' 9.911 N	103° 38' 9.511 W
12,846.0	87.90	175.70	9,269.2	-3,570.8	-512.8	389,595.63	757,356.17	32° 4' 8.973 N	103° 38' 9.440 W
12,940.0	88.40	174.40	9,272.2	-3,664.4	-504.7	389,502.03	757,364.27	32° 4' 8.047 N	103° 38' 9.353 W
13,035.0	88.60	174.00	9,274.7	-3,758.8	-495.1	389,407.55	757,373.87	32° 4' 7.111 N	103° 38' 9.249 W
13,130.0	87.70	173.30	9,277.8	-3,853.2	-484.6	389,313.19	757,384.37	32° 4' 6.177 N	103° 38' 9.134 W
13,225.0	88.40	174.50	9,281.0	-3,947.6	-474.5	389,218.78	757,394.46	32° 4' 5.242 N	103° 38' 9.024 W
13,320.0	89.10	174.60	9,283.1	-4,042.2	-465.5	389,124.23	757,403.48	32° 4' 4.306 N	103° 38' 8.926 W
13,415.0	89.20	174.50	9,284.5	-4,136.7	-456.5	389,029.67	757,412.50	32° 4' 3.369 N	103° 38' 8.828 W
13,510.0	89.90	175.70	9,285.2	-4,231.4	-448.4	388,935.03	757,420.62	32° 4' 2.432 N	103° 38' 8.741 W
13,605.0	91.40	176.00	9,284.1	-4,326.1	-441.5	388,840.28	757,427.49	32° 4' 1.494 N	103° 38' 8.668 W
13,700.0	92.90	176.00	9,280.6	-4,420.8	-434.9	388,745.58	757,434.11	32° 4' 0.557 N	103° 38' 8.598 W
13,795.0	88.70	175.20	9,279.2	-4,515.5	-427.6	388,650.90	757,441.40	32° 3' 59.619 N	103° 38' 8.521 W
13,889.0	88.70	175.40	9,281.4	-4,609.2	-419.9	388,557.24	757,449.10	32° 3' 58.692 N	103° 38' 8.438 W
13,984.0	90.40	177.70	9,282.1	-4,704.0	-414.2	388,462.42	757,454.82	32° 3' 57.753 N	103° 38' 8.379 W
14,078.0	91.30	179.40	9,280.7	-4,797.9	-411.8	388,368.47	757,457.19	32° 3' 56.824 N	103° 38' 8.359 W
14,172.0	91.80	179.20	9,278.2	-4,891.9	-410.7	388,274.51	757,458.34	32° 3' 55.894 N	103° 38' 8.352 W
14,267.0	93.10	179.40	9,274.1	-4,986.8	-409.5	388,179.60	757,459.50	32° 3' 54.954 N	103° 38' 8.346 W
14,361.0	90.70	180.40	9,271.0	-5,080.7	-409.3	388,085.66	757,459.66	32° 3' 54.025 N	103° 38' 8.351 W
14,456.0	92.60	180.30	9,268.3	-5,175.7	-409.9	387,990.71	757,459.08	32° 3' 53.085 N	103° 38' 8.365 W
14,550.0	92.80	179.80	9,263.8	-5,269.6	-410.0	387,896.81	757,459.00	32° 3' 52.156 N	103° 38' 8.373 W
14,645.0	90.90	179.80	9,260.8	-5,364.5	-409.7	387,801.87	757,459.33	32° 3' 51.217 N	103° 38' 8.376 W
14,740.0	91.40	179.50	9,258.9	-5,459.5	-409.1	387,706.89	757,459.91	32° 3' 50.277 N	103° 38' 8.377 W
14,835.0	89.80	179.80	9,257.9	-5,554.5	-408.5	387,611.90	757,460.49	32° 3' 49.337 N	103° 38' 8.377 W
14,930.0	90.30	179.90	9,257.8	-5,649.5	-408.3	387,516.90	757,460.74	32° 3' 48.397 N	103° 38' 8.381 W
15,025.0	90.90	180.00	9,256.8	-5,744.5	-408.2	387,421.91	757,460.83	32° 3' 47.457 N	103° 38' 8.388 W
15,120.0	89.20	180.10	9,256.7	-5,839.5	-408.3	387,326.91	757,460.74	32° 3' 46.516 N	103° 38' 8.396 W
15,215.0	89.30	179.80	9,258.0	-5,934.5	-408.2	387,231.92	757,460.83	32° 3' 45.576 N	103° 38' 8.402 W
15,308.0	89.90	180.00	9,258.6	-6,029.5	-408.0	387,138.92	757,460.99	32° 3' 44.636 N	103° 38' 8.407 W
15,402.0	90.50	180.00	9,258.3	-6,124.5	-408.0	387,044.92	757,460.99	32° 3' 43.696 N	103° 38' 8.414 W
15,497.0	90.80	179.90	9,257.2	-6,219.5	-407.9	386,949.93	757,461.07	32° 3' 42.756 N	103° 38' 8.420 W
15,592.0	91.40	180.00	9,255.4	-6,314.5	-407.8	386,854.95	757,461.15	32° 3' 41.816 N	103° 38' 8.426 W
15,687.0	89.00	180.60	9,255.0	-6,409.4	-408.3	386,759.96	757,460.66	32° 3' 40.876 N	103° 38' 8.433 W
15,782.0	89.10	180.80	9,256.6	-6,504.4	-409.5	386,664.98	757,459.50	32° 3' 39.936 N	103° 38' 8.460 W
15,876.0	88.70	180.50	9,258.4	-6,599.4	-410.6	386,571.00	757,458.43	32° 3' 39.036 N	103° 38' 8.479 W



QES

Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #43H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3361.0usft (Patterson #597)
Site:	Sec 1, T26-S, R32-E	MD Reference:	WELL @ 3361.0usft (Patterson #597)
Well:	Mesa 8105 1-12 Fed #43H	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
15,971.0	86.90	179.20	9,262.1	-6,690.3	-410.3	386,476.08	757,458.68	32° 3' 38.097 N	103° 38' 8.484 W
16,065.0	87.80	181.20	9,266.4	-6,784.2	-410.6	386,382.18	757,458.35	32° 3' 37.168 N	103° 38' 8.494 W
16,160.0	88.70	181.60	9,269.3	-6,879.1	-413.0	386,287.26	757,456.03	32° 3' 36.229 N	103° 38' 8.528 W
16,254.0	89.50	182.00	9,270.8	-6,973.1	-415.9	386,193.32	757,453.08	32° 3' 35.299 N	103° 38' 8.570 W
16,349.0	92.50	182.90	9,269.1	-7,068.0	-420.0	386,098.43	757,449.02	32° 3' 34.361 N	103° 38' 8.624 W
16,444.0	90.40	182.10	9,266.7	-7,162.8	-424.1	386,003.56	757,444.88	32° 3' 33.422 N	103° 38' 8.679 W
16,539.0	90.40	181.00	9,266.1	-7,257.8	-426.7	385,908.59	757,442.31	32° 3' 32.483 N	103° 38' 8.716 W
16,632.0	91.20	181.20	9,264.8	-7,350.8	-428.5	385,815.62	757,440.52	32° 3' 31.563 N	103° 38' 8.744 W
16,727.0	89.00	179.70	9,264.6	-7,445.8	-429.2	385,720.63	757,439.77	32° 3' 30.623 N	103° 38' 8.760 W
16,822.0	89.10	179.60	9,266.2	-7,540.8	-428.6	385,625.65	757,440.36	32° 3' 29.683 N	103° 38' 8.760 W
16,916.0	90.20	179.70	9,266.8	-7,634.7	-428.1	385,531.65	757,440.93	32° 3' 28.753 N	103° 38' 8.761 W
17,011.0	90.50	179.40	9,266.2	-7,729.7	-427.3	385,436.66	757,441.68	32° 3' 27.813 N	103° 38' 8.759 W
17,106.0	89.40	179.60	9,266.3	-7,824.7	-426.5	385,341.66	757,442.50	32° 3' 26.872 N	103° 38' 8.757 W
17,201.0	89.20	179.80	9,267.4	-7,919.7	-426.0	385,246.67	757,443.00	32° 3' 25.932 N	103° 38' 8.758 W
17,296.0	89.50	179.90	9,268.5	-8,014.7	-425.7	385,151.68	757,443.25	32° 3' 24.992 N	103° 38' 8.762 W
17,390.0	88.90	179.20	9,269.8	-8,108.7	-425.0	385,057.69	757,443.99	32° 3' 24.062 N	103° 38' 8.761 W
17,486.0	89.70	179.60	9,271.0	-8,204.7	-424.0	384,961.70	757,444.99	32° 3' 23.112 N	103° 38' 8.756 W
17,580.0	89.80	180.30	9,271.4	-8,298.7	-423.9	384,867.71	757,445.08	32° 3' 22.182 N	103° 38' 8.762 W
17,676.0	90.70	181.10	9,271.0	-8,394.7	-425.1	384,771.72	757,443.90	32° 3' 21.232 N	103° 38' 8.783 W
17,771.0	91.50	181.00	9,269.2	-8,489.6	-426.8	384,676.75	757,442.16	32° 3' 20.293 N	103° 38' 8.811 W
17,866.0	88.10	181.00	9,269.5	-8,584.6	-428.5	384,581.78	757,440.50	32° 3' 19.353 N	103° 38' 8.837 W
17,962.0	87.30	181.60	9,273.3	-8,680.5	-430.7	384,485.88	757,438.33	32° 3' 18.404 N	103° 38' 8.869 W
18,057.0	89.50	181.20	9,276.0	-8,775.4	-433.0	384,390.95	757,436.01	32° 3' 17.465 N	103° 38' 8.903 W
18,152.0	91.30	182.00	9,275.3	-8,870.4	-435.6	384,296.00	757,433.36	32° 3' 16.526 N	103° 38' 8.941 W
18,247.0	88.80	180.50	9,275.2	-8,965.4	-437.7	384,201.03	757,431.28	32° 3' 15.586 N	103° 38' 8.973 W
18,342.0	89.40	180.70	9,276.7	-9,060.4	-438.7	384,106.05	757,430.29	32° 3' 14.646 N	103° 38' 8.991 W
18,437.0	90.50	180.90	9,276.8	-9,155.3	-440.0	384,011.06	757,428.96	32° 3' 13.706 N	103° 38' 9.014 W
18,531.0	90.40	180.00	9,276.1	-9,249.3	-440.8	383,917.07	757,428.23	32° 3' 12.776 N	103° 38' 9.030 W
18,626.0	91.70	180.50	9,274.3	-9,344.3	-441.2	383,822.08	757,427.81	32° 3' 11.836 N	103° 38' 9.041 W
18,721.0	89.90	180.80	9,273.0	-9,439.3	-442.3	383,727.10	757,426.73	32° 3' 10.896 N	103° 38' 9.061 W
18,816.0	90.20	181.00	9,272.9	-9,534.3	-443.8	383,632.12	757,425.24	32° 3' 9.957 N	103° 38' 9.086 W
18,910.0	90.10	181.20	9,272.7	-9,628.3	-445.6	383,538.13	757,423.44	32° 3' 9.027 N	103° 38' 9.114 W
19,005.0	91.60	182.40	9,271.3	-9,723.2	-448.5	383,443.20	757,420.45	32° 3' 8.087 N	103° 38' 9.155 W
19,101.0	90.20	181.20	9,269.8	-9,819.1	-451.6	383,347.26	757,417.44	32° 3' 7.138 N	103° 38' 9.198 W
19,194.0	88.20	180.50	9,271.1	-9,912.1	-452.9	383,254.28	757,416.06	32° 3' 6.218 N	103° 38' 9.221 W
19,288.0	88.30	180.60	9,273.9	-10,006.1	-453.8	383,160.33	757,415.16	32° 3' 5.289 N	103° 38' 9.238 W
19,383.0	88.80	180.60	9,276.3	-10,101.0	-454.8	383,065.37	757,414.16	32° 3' 4.349 N	103° 38' 9.257 W
19,477.0	89.40	181.20	9,277.8	-10,195.0	-456.3	382,971.39	757,412.69	32° 3' 3.419 N	103° 38' 9.281 W
19,600.0	90.40	181.60	9,278.0	-10,318.0	-459.3	382,848.43	757,409.68	32° 3' 2.203 N	103° 38' 9.325 W
19,610.2	90.40	181.60	9,278.0	-10,328.2	-459.6	382,838.23	757,409.40	32° 3' 2.102 N	103° 38' 9.329 W
100' Producing Area Crossed @ 19610.2' MD / 9278.0' TVD									
19,663.0	90.40	181.60	9,277.6	-10,380.9	-461.1	382,785.46	757,407.92	32° 3' 1.579 N	103° 38' 9.350 W
TD @ 19663.0' MD / 9277.6' TVD									



QES
Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #43H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3361.0usft (Patterson #597)
Site:	Sec 1, T26-S, R32-E	MD Reference:	WELL @ 3361.0usft (Patterson #597)
Well:	Mesa 8105 1-12 Fed #43H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
165.0	165.0	1.6	1.0	First MWD Survey @ 165.0' MD / 165.0' TVD
4,625.9	4,594.7	173.6	-429.8	100' Producing Area Crossed @ 4625.9' MD / 4594.7' TVD
8,998.8	8,939.9	170.9	-615.9	100' Producing Area Crossed @ 8998.8' MD / 8939.9' TVD
19,610.2	9,278.0	-10,328.2	-459.6	100' Producing Area Crossed @ 19610.2' MD / 9278.0' TVD
19,663.0	9,277.6	-10,380.9	-461.1	TD @ 19663.0' MD / 9277.6' TVD

Checked By: _____ Approved By: _____ Date: _____

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.
NMNM14492

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
MESA 8105 1-12 FED 43H

2. Name of Operator

BTA OIL PRODUCERS LLC

Contact: KATY REDDELL

E-Mail: kreddell@btaoil.com

9. API Well No.
30-025-47153-00-X1

3a. Address

104 S. PECOS
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 432-682-3753 Ext: 139

10. Field and Pool or Exploratory Area
JENNINGS

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

Sec 1 T26S R32E NWNW 280FNL 960FWL
32.078964 N Lat, 103.634224 W Lon

11. County or Parish, State

LEA COUNTY, NM

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

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

5/20/2020: SPUD WELL

5/22/2020: DRILLED 17 1/2" HOLE AND SET 13 3/8" 54.5# J-55 STC CASING @ 800' WITH 710 SACKS OF CEMENT. CEMENT CIRCULATED TO SURFACE.

6/8/2020: TEST 13 3/8" CASING TO 1500 PSI FOR 30 MINUTES. TEST OKAY.

6/11/2020: DRILLED 12 1/4" HOLE AND SET 9 5/8" 40# J-55 LTC CASING @ 4,787' WITH 1655 SACKS OF CEMENT. CEMENT CIRCULATED TO SURFACE. TEST CASING TO 1500 PSI FOR 30 MINUTES. TEST OKAY.

6/22/2020: REACHED TD @ 19,663'

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

Electronic Submission #520962 verified by the BLM Well Information System
For BTA OIL PRODUCERS LLC, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 07/06/2020 (20PP2942SE)

Name (Printed/Typed) KATY REDDELL

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 07/02/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JONATHON SHEPARD Title PETROELUM ENGINEER	Date 07/21/2020
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 Hobbs

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #520962 that would not fit on the form

32. Additional remarks, continued

6/24/2020: DRILLED 8 3/4" HOLE AND SET 5 1/2" 17# P-110 GBCD CASING @ 19,653' WITH 3,155 SACKS OF CEMENT. CEMENT DID NOT CIRCULATE. TOC CALCULATION IS 4,000'.

6/25/2020: RIG RELEASED.

Revisions to Operator-Submitted EC Data for Sundry Notice #520962

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	DRG NOI	DRG SR
Lease:	NMNM14492	NMNM14492
Agreement:		
Operator:	BTA OIL PRODUCERS, LLC 104 S. PECOS MIDLAND, TX 79701 Ph: 432-682-3753	BTA OIL PRODUCERS LLC 104 S. PECOS MIDLAND, TX 79701 Ph: 4326823753
Admin Contact:	KATY REDDELL REGULATORY ANALYST E-Mail: kreddell@btaoil.com Ph: 432-682-3753	KATY REDDELL REGULATORY ANALYST E-Mail: kreddell@btaoil.com Ph: 432-682-3753 Ext: 139
Tech Contact:	KATY REDDELL REGULATORY ANALYST E-Mail: kreddell@btaoil.com Ph: 432-682-3753	KATY REDDELL REGULATORY ANALYST E-Mail: kreddell@btaoil.com Ph: 432-682-3753 Ext: 139
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	JENNINGS UPPER BONESPRING	JENNINGS
Well/Facility:	MESA 8105 1-12 FEDERAL 43H Sec 1 T26S R32E 280FNL 960FWL 32.078965 N Lat, 103.636207 W Lon	MESA 8105 1-12 FED 43H Sec 1 T26S R32E NWNW 280FNL 960FWL 32.078964 N Lat, 103.634224 W Lon

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 8105 1-12 FED		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER								6. Well Number: 43H		
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 JENNINGS-UPPER BONE SPRING				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	D	1	26S	32E		280	N	960	W	LEA
BH:	M	12	26S	32E		48.7	S	331.2	W	LEA
13. Date Spudded 5/19/2020	14. Date T.D. Reached 6/22/2020		15. Date Rig Released 6/25/2020			16. Date Completed (Ready to Produce) 1/25/2021		17. Elevations (DF and RKB, RT, GR, etc.) 3336 GR		
18. Total Measured Depth of Well 19,663'			19. Plug Back Measured Depth 19,649'			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 9,500' – 19,635' BONE SPRING										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13 3/8		54.5		800		17 1/2		710		
9 5/8		40		4787		12 1/4		1655		
5 1/2		20		7472		8 3/4		3155		
5		18		19653		8 3/4		3155		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET	
26. Perforation record (interval, size, and number) 9500' – 19650'						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						9500 - 19635		544,373 Bbbls Total Fluid; 24,466,390 #s sand.		
28. PRODUCTION										
Date First Production 1/25/2021		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWS FROM WELL				Well Status (Prod. or Shut-in) PRODUCING				
Date of Test 2/01/2021	Hours Tested 24	Choke Size 32/64	Prod'n For Test Period	Oil - Bbl 451	Gas - MCF 1020	Water - Bbl. 2029		Gas - Oil Ratio		
Flow Tubing Press. 890	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl. 451	Gas - MCF 1020	Water - Bbl. 2029		Oil Gravity - API - (Corr.)			
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 *Katy Reddell* Name KATY REDDELL Title REGULATORY ANALYST Date 2/24/2021
 E-mail Address kreddell@btatol.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 4796	T. Ojo Alamo	T. Penn A"
T. Salt 1261	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 4587	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. Blinberry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand 4769	T. Morrison	
T. Drinkard	T. Bone Springs 8999	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. 2, from.....to.....
 No. 3, 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 22299

ACKNOWLEDGMENTS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 22299
	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
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Phone:(575) 393-6161 Fax:(575) 393-0720

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Phone:(505) 334-6178 Fax:(505) 334-6170

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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 22299

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 22299
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	6/30/2021