

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 NW	
⁴ API Number 30 – 025-48960	⁵ Pool Name WC-025 G-09 S253236A; UPR WOLFCAMP		⁶ Pool Code 98158
⁷ Property Code 327174	⁸ Property Name MESA 8105 1-12 FEDERAL		⁹ Well Number 56H

II. ¹⁰ Surface Location

Ul or lot no D.	Section 1	26S	Range 32E	Lot Idn	Feet from the 680	North/South Line NORTH	Feet from the 900	East/West line WEST	County LEA
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¹¹ Bottom Hole Location

UL or lot no M.	Section 12	Township 26S	Range 32E	Lot Idn	Feet from the 63	North/South line SOUTH	Feet from the 991	East/West line WEST	County LEA
¹² Lse Code F	¹³ Producing Method Code p		¹⁴ Gas Connection Date 02/27/2023		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	
195739	PLAINS PIPELINE, L.P.							O	
371058		ETC FIELD SERVICES LLC 8111 WESTCHESTER DR., STE 600 DALLAS, TX. 75225							G

IV. Well Completion Data

²¹ Spud Date 05/10/2022	²² Ready Date 02/27/2023	²³ TD 23,520	²⁴ PBTd 23,504	²⁵ Perforations 13,250 – 23,475	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
14 3/4		10 3/4		883	645
9 7/8		8 3/4		12,450	1220
6 3/4		5 1/2		12,349	1970
6 3/4		5		23,507	1970

V. Well Test Data

³¹ Date New Oil 02/27/2023	³² Gas Delivery Date 02/27/2023	³³ Test Date 03/09/2023	³⁴ Test Length 24	³⁵ Tbg. Pressure 3025	³⁶ Csg. Pressure
³⁷ Choke Size 20/64	³⁸ Oil 495	³⁹ Water 4769	⁴⁰ Gas 2520		⁴¹ Test Method GAS LIFT
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:		
Printed name: KATY REDDELL			Title:		
Title: REGULATORY ANALYST			Approval Date:		
E-mail Address: kreddell@btaoil.com					

Date:	03/31/2023	Phone:	432-682-3753
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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: (505) 748-1283 Fax: (505) 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, NM 87505

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

☒ AMENDED REPORT
 *AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

¹ API Number 30-025-48960	² Pool Code 98158	³ Pool Name WC-025-G-09 S253236A; UPR WOLFCAMP
⁴ Property Code 327174	Property Name MESA 8105 1-12 FED	
⁷ OGRID No. 206297	⁸ Operator Name BTA OIL PRODUCERS, LLC	⁶ Well Number 56H
		⁹ Elevation 3334'

¹⁰ Surface Location

UL or lot no. D	Section 1	Township 26S	Range 32E	Lot Idn	Feet from the 680	North/South line NORTH	Feet from the 900	East/West line WEST	County LEA
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. M	Section 12	Township 26S	Range 32E	Lot Idn	Feet from the 63	North/South line SOUTH	Feet from the 991	East/West line WEST	County LEA
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ 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.

	SURFACE HOLE LOCATION 680' FNL 900' FWL, SECTION 1 0' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:757823.54' / Y:392775.99' LAT:32.07789305N / LON:103.63438045W NAD 27, SPCS NM EAST X:716636.96' / Y:392718.46' LAT:32.07776820N / LON:103.63390908W	17 OPERATOR CERTIFICATION I hereby certify that the information contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Katy Reddell 03/31/2023 Signature _____ Date _____ KATY REDDELL Printed Name _____ kraddell@btaoil.com E-mail Address _____
	KICK OFF POINT/FIRST TAKE POINT 392' FNL 958' FWL, SECTION 1 13250' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:757874.50' / Y:393064.08' LAT:32.07868404N / LON:103.63420990W NAD 27, SPCS NM EAST X:716687.94' / Y:393006.54' LAT:32.07855920N / LON:103.63373849W	18 SURVEYOR CERTIFICATION I hereby certify that the well surface location shown on this plat was plotted from field notes of the as-staked surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Data used for underground measurements were provided by others for reference only and does not constitute field measurements performed by R-Squared Global. MARCH 15, 2023 Date of Survey _____ Signature and Seal of Professional Surveyor: LLOYD P. SHORT 21653 Certificate Number _____
	LAST TAKE POINT 108' FSL 987' FWL, SECTION 12 23475' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:758064.29' / Y:382855.07' LAT:32.05061844N / LON:103.63381079W NAD 27, SPCS NM EAST X:716877.28' / Y:382797.79' LAT:32.05049338N / LON:103.63334100W	
	BOTTOM HOLE LOCATION 63' FSL 991' FWL, SECTION 12 23520' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:758067.98' / Y:382810.27' LAT:32.05049521N / LON:103.63379984W NAD 27, SPCS NM EAST X:716880.96' / Y:382752.98' LAT:32.05037016N / LON:103.63333006W	

Distances/areas relative to NAD 83 Combined Scale Factor: 0.99981493 Convergence Angle: 0.396883



BTA Oil Producers, LLC

Lea County, NM (NAD 83)

Sec 1, T26-S, R32-E

Mesa 8105 1-12 Fed #56H

Wellbore #1

Design: Wellbore #1

Survey Report - Geographic

02 July, 2022





Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #56H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3359.0usft (Patterson #282)
Site:	Sec 1, T26-S, R32-E	MD Reference:	WELL @ 3359.0usft (Patterson #282)
Well:	Mesa 8105 1-12 Fed #56H	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 #56H		
Well Position	+N/-S	0.0 usft	Northing: 392,775.99 usft
	+E/-W	0.0 usft	Easting: 757,823.54 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 4' 40.415 N
		Longitude:	103° 38' 3.770 W
		Ground Level:	3,334.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM2022	4/29/2022	6.37
			Dip Angle (°) 59.63
			Field Strength (nT) 47,467.00000000

Design	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°) 178.60

Survey Program	Date	7/2/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
185.0	23,520.0	KLX 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	392,775.99	757,823.54	32° 4' 40.415 N	103° 38' 3.770 W
185.0	0.30	47.90	185.0	0.3	0.4	392,776.31	757,823.90	32° 4' 40.418 N	103° 38' 3.765 W
First MWD Survey @ 185.0' MD / 185.0' TVD									
299.0	0.40	334.20	299.0	0.9	0.4	392,776.87	757,823.94	32° 4' 40.424 N	103° 38' 3.765 W
387.0	0.30	332.30	387.0	1.4	0.2	392,777.35	757,823.70	32° 4' 40.428 N	103° 38' 3.768 W
501.0	0.50	302.90	501.0	1.9	-0.4	392,777.89	757,823.15	32° 4' 40.434 N	103° 38' 3.774 W
659.0	1.00	302.50	659.0	3.0	-2.1	392,779.00	757,821.41	32° 4' 40.445 N	103° 38' 3.794 W
754.0	1.20	272.70	754.0	3.5	-3.8	392,779.49	757,819.71	32° 4' 40.450 N	103° 38' 3.814 W
858.0	1.20	266.20	857.9	3.5	-6.0	392,779.47	757,817.54	32° 4' 40.450 N	103° 38' 3.839 W
932.0	1.10	281.30	931.9	3.6	-7.5	392,779.56	757,816.07	32° 4' 40.451 N	103° 38' 3.856 W
1,027.0	1.80	339.50	1,026.9	5.1	-8.9	392,781.14	757,814.65	32° 4' 40.466 N	103° 38' 3.872 W
1,121.0	2.70	349.30	1,120.8	8.7	-9.8	392,784.70	757,813.72	32° 4' 40.502 N	103° 38' 3.883 W



Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #56H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3359.0usft (Patterson #282)
Site:	Sec 1, T26-S, R32-E	MD Reference:	WELL @ 3359.0usft (Patterson #282)
Well:	Mesa 8105 1-12 Fed #56H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,215.0	4.80	5.20	1,214.6	14.8	-9.9	392,790.79	757,813.67	32° 4' 40.562 N	103° 38' 3.883 W
1,310.0	6.70	9.10	1,309.1	24.2	-8.6	392,800.22	757,814.91	32° 4' 40.655 N	103° 38' 3.868 W
1,404.0	7.40	10.60	1,402.4	35.6	-6.7	392,811.59	757,816.89	32° 4' 40.768 N	103° 38' 3.844 W
1,499.0	7.70	10.40	1,496.6	47.9	-4.4	392,823.86	757,819.16	32° 4' 40.889 N	103° 38' 3.817 W
1,593.0	7.90	12.70	1,589.7	60.4	-1.8	392,836.35	757,821.72	32° 4' 41.012 N	103° 38' 3.786 W
1,688.0	8.40	15.90	1,683.8	73.4	1.5	392,849.40	757,825.05	32° 4' 41.141 N	103° 38' 3.746 W
1,782.0	9.00	17.30	1,776.7	87.0	5.6	392,863.02	757,829.12	32° 4' 41.276 N	103° 38' 3.698 W
1,877.0	9.40	16.70	1,870.5	101.6	10.0	392,877.55	757,833.56	32° 4' 41.419 N	103° 38' 3.645 W
1,971.0	10.00	17.90	1,963.1	116.7	14.7	392,892.66	757,838.28	32° 4' 41.569 N	103° 38' 3.590 W
2,065.0	8.60	5.20	2,055.9	131.4	17.9	392,907.43	757,841.42	32° 4' 41.715 N	103° 38' 3.552 W
2,159.0	8.90	359.70	2,148.8	145.7	18.5	392,921.70	757,842.02	32° 4' 41.856 N	103° 38' 3.544 W
2,254.0	9.50	359.20	2,242.6	160.9	18.3	392,936.89	757,841.87	32° 4' 42.006 N	103° 38' 3.544 W
2,348.0	10.10	359.30	2,335.2	176.9	18.1	392,952.89	757,841.66	32° 4' 42.164 N	103° 38' 3.546 W
2,443.0	8.30	0.70	2,429.0	192.1	18.1	392,968.08	757,841.65	32° 4' 42.315 N	103° 38' 3.545 W
2,537.0	7.90	0.90	2,522.0	205.3	18.3	392,981.32	757,841.83	32° 4' 42.446 N	103° 38' 3.542 W
2,631.0	8.40	1.50	2,615.1	218.7	18.6	392,994.64	757,842.11	32° 4' 42.577 N	103° 38' 3.537 W
2,725.0	8.70	2.00	2,708.1	232.6	19.0	393,008.61	757,842.54	32° 4' 42.716 N	103° 38' 3.531 W
2,820.0	9.10	2.50	2,801.9	247.3	19.6	393,023.30	757,843.12	32° 4' 42.861 N	103° 38' 3.523 W
2,914.0	9.50	2.60	2,894.7	262.5	20.3	393,038.47	757,843.79	32° 4' 43.011 N	103° 38' 3.514 W
3,008.0	10.10	4.20	2,987.3	278.5	21.2	393,054.44	757,844.75	32° 4' 43.169 N	103° 38' 3.502 W
3,102.0	7.60	1.70	3,080.2	292.9	22.0	393,068.88	757,845.54	32° 4' 43.312 N	103° 38' 3.492 W
3,196.0	5.50	2.80	3,173.6	303.6	22.4	393,079.59	757,845.94	32° 4' 43.418 N	103° 38' 3.486 W
3,290.0	5.50	7.70	3,267.1	312.6	23.2	393,088.55	757,846.77	32° 4' 43.507 N	103° 38' 3.476 W
3,385.0	5.50	13.00	3,361.7	321.5	24.9	393,097.50	757,848.40	32° 4' 43.595 N	103° 38' 3.456 W
3,479.0	5.80	16.50	3,455.2	330.5	27.2	393,106.45	757,850.76	32° 4' 43.683 N	103° 38' 3.428 W
3,573.0	6.10	7.10	3,548.7	340.0	29.2	393,115.96	757,852.73	32° 4' 43.777 N	103° 38' 3.405 W
3,668.0	6.70	9.10	3,643.1	350.4	30.7	393,126.44	757,854.23	32° 4' 43.881 N	103° 38' 3.387 W
3,762.0	7.00	11.10	3,736.5	361.5	32.7	393,137.47	757,856.20	32° 4' 43.990 N	103° 38' 3.363 W
3,857.0	7.10	4.40	3,830.7	373.0	34.2	393,149.01	757,857.76	32° 4' 44.104 N	103° 38' 3.344 W
3,951.0	7.30	2.40	3,924.0	384.8	34.9	393,160.77	757,858.46	32° 4' 44.220 N	103° 38' 3.335 W
4,046.0	7.30	4.50	4,018.2	396.8	35.6	393,172.81	757,859.19	32° 4' 44.339 N	103° 38' 3.325 W
4,140.0	6.70	12.20	4,111.5	408.1	37.3	393,184.13	757,860.81	32° 4' 44.451 N	103° 38' 3.306 W
4,235.0	6.30	16.90	4,205.9	418.5	40.0	393,194.53	757,863.50	32° 4' 44.554 N	103° 38' 3.274 W
4,329.0	6.00	23.20	4,299.4	428.0	43.4	393,203.98	757,866.93	32° 4' 44.647 N	103° 38' 3.233 W
4,423.0	6.50	19.60	4,392.8	437.5	47.1	393,213.51	757,870.65	32° 4' 44.741 N	103° 38' 3.189 W
4,517.0	6.30	20.60	4,486.2	447.4	50.7	393,223.35	757,874.25	32° 4' 44.839 N	103° 38' 3.146 W
4,612.0	7.10	12.10	4,580.6	458.0	53.8	393,233.97	757,877.32	32° 4' 44.944 N	103° 38' 3.110 W
4,706.0	7.80	4.40	4,673.8	470.0	55.5	393,246.01	757,879.03	32° 4' 45.063 N	103° 38' 3.089 W
4,800.0	8.00	2.80	4,766.9	482.9	56.3	393,258.90	757,879.83	32° 4' 45.190 N	103° 38' 3.079 W
4,894.0	8.00	0.00	4,860.0	496.0	56.6	393,271.98	757,880.15	32° 4' 45.319 N	103° 38' 3.074 W
4,988.0	8.60	1.30	4,953.0	509.6	56.8	393,285.55	757,880.31	32° 4' 45.454 N	103° 38' 3.071 W
5,082.0	9.10	1.00	5,045.9	524.0	57.1	393,300.00	757,880.60	32° 4' 45.597 N	103° 38' 3.067 W
5,177.0	9.70	0.70	5,139.6	539.5	57.3	393,315.52	757,880.83	32° 4' 45.750 N	103° 38' 3.063 W
5,271.0	10.20	359.80	5,232.2	555.8	57.4	393,331.76	757,880.90	32° 4' 45.911 N	103° 38' 3.061 W
5,365.0	7.70	359.70	5,325.1	570.4	57.3	393,346.38	757,880.84	32° 4' 46.056 N	103° 38' 3.061 W
5,366.5	7.69	359.70	5,326.5	570.6	57.3	393,346.58	757,880.84	32° 4' 46.058 N	103° 38' 3.061 W
100' HL Crossed @ 5366.5' MD / 5326.5' TVD									
5,459.0	7.20	359.50	5,418.3	582.6	57.2	393,358.57	757,880.75	32° 4' 46.176 N	103° 38' 3.061 W
5,553.0	7.60	359.80	5,511.5	594.7	57.1	393,370.68	757,880.68	32° 4' 46.296 N	103° 38' 3.061 W
5,647.0	8.20	358.80	5,604.6	607.6	57.0	393,383.59	757,880.52	32° 4' 46.424 N	103° 38' 3.062 W
5,741.0	8.20	356.20	5,697.6	621.0	56.4	393,396.99	757,879.93	32° 4' 46.556 N	103° 38' 3.067 W
5,836.0	8.60	353.70	5,791.6	634.8	55.2	393,410.81	757,878.70	32° 4' 46.693 N	103° 38' 3.081 W
5,930.0	6.20	5.90	5,884.8	646.9	54.9	393,422.84	757,878.45	32° 4' 46.812 N	103° 38' 3.083 W
6,024.0	3.20	31.90	5,978.5	654.1	56.8	393,430.12	757,880.36	32° 4' 46.884 N	103° 38' 3.060 W
6,118.0	1.90	53.80	6,072.4	657.3	59.5	393,433.27	757,883.01	32° 4' 46.915 N	103° 38' 3.029 W



Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #56H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3359.0usft (Patterson #282)
Site:	Sec 1, T26-S, R32-E	MD Reference:	WELL @ 3359.0usft (Patterson #282)
Well:	Mesa 8105 1-12 Fed #56H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,213.0	2.10	45.60	6,167.3	659.4	62.0	393,435.42	757,885.52	32° 4' 46.936 N	103° 38' 3.000 W
6,307.0	2.20	44.80	6,261.3	661.9	64.5	393,437.90	757,888.02	32° 4' 46.961 N	103° 38' 2.970 W
6,402.0	1.30	75.30	6,356.2	663.5	66.8	393,439.47	757,890.35	32° 4' 46.976 N	103° 38' 2.943 W
6,496.0	1.10	108.60	6,450.2	663.5	68.7	393,439.45	757,892.24	32° 4' 46.976 N	103° 38' 2.921 W
6,590.0	0.90	104.80	6,544.2	663.0	70.3	393,438.98	757,893.81	32° 4' 46.971 N	103° 38' 2.903 W
6,684.0	0.80	94.90	6,638.2	662.7	71.6	393,438.73	757,895.17	32° 4' 46.969 N	103° 38' 2.887 W
6,778.0	0.80	96.50	6,732.2	662.6	72.9	393,438.60	757,896.48	32° 4' 46.967 N	103° 38' 2.872 W
6,872.0	0.60	103.80	6,826.2	662.4	74.1	393,438.41	757,897.61	32° 4' 46.965 N	103° 38' 2.859 W
6,966.0	0.60	98.60	6,920.2	662.2	75.0	393,438.22	757,898.57	32° 4' 46.963 N	103° 38' 2.848 W
7,060.0	0.40	109.40	7,014.2	662.0	75.8	393,438.04	757,899.37	32° 4' 46.961 N	103° 38' 2.838 W
7,155.0	0.20	121.00	7,109.2	661.9	76.3	393,437.84	757,899.83	32° 4' 46.959 N	103° 38' 2.833 W
7,249.0	0.30	122.40	7,203.2	661.6	76.6	393,437.62	757,900.17	32° 4' 46.957 N	103° 38' 2.829 W
7,343.0	0.10	239.30	7,297.2	661.5	76.8	393,437.45	757,900.31	32° 4' 46.956 N	103° 38' 2.827 W
7,437.0	0.20	303.80	7,391.2	661.5	76.6	393,437.50	757,900.10	32° 4' 46.956 N	103° 38' 2.830 W
7,531.0	0.10	17.80	7,485.2	661.7	76.5	393,437.67	757,899.99	32° 4' 46.958 N	103° 38' 2.831 W
7,626.0	0.20	264.50	7,580.2	661.7	76.3	393,437.73	757,899.85	32° 4' 46.958 N	103° 38' 2.833 W
7,720.0	0.30	259.60	7,674.2	661.7	75.9	393,437.67	757,899.45	32° 4' 46.958 N	103° 38' 2.838 W
7,814.0	0.20	293.20	7,768.2	661.7	75.5	393,437.69	757,899.06	32° 4' 46.958 N	103° 38' 2.842 W
7,908.0	0.10	256.30	7,862.2	661.7	75.3	393,437.74	757,898.82	32° 4' 46.959 N	103° 38' 2.845 W
8,002.0	0.20	282.90	7,956.2	661.8	75.0	393,437.76	757,898.59	32° 4' 46.959 N	103° 38' 2.848 W
8,096.0	0.40	250.10	8,050.2	661.7	74.6	393,437.68	757,898.12	32° 4' 46.958 N	103° 38' 2.853 W
8,190.0	0.40	244.60	8,144.2	661.4	74.0	393,437.43	757,897.51	32° 4' 46.956 N	103° 38' 2.860 W
8,284.0	0.30	241.50	8,238.2	661.2	73.5	393,437.17	757,897.00	32° 4' 46.953 N	103° 38' 2.866 W
8,378.0	0.40	242.10	8,332.2	660.9	73.0	393,436.90	757,896.49	32° 4' 46.950 N	103° 38' 2.872 W
8,472.0	0.50	244.50	8,426.2	660.6	72.3	393,436.57	757,895.83	32° 4' 46.947 N	103° 38' 2.880 W
8,567.0	0.60	212.10	8,521.2	660.0	71.7	393,435.97	757,895.19	32° 4' 46.941 N	103° 38' 2.887 W
8,662.0	0.70	234.10	8,616.1	659.2	70.9	393,435.21	757,894.46	32° 4' 46.934 N	103° 38' 2.896 W
8,757.0	0.70	219.30	8,711.1	658.4	70.1	393,434.42	757,893.62	32° 4' 46.926 N	103° 38' 2.905 W
8,851.0	0.70	220.60	8,805.1	657.5	69.3	393,433.54	757,892.89	32° 4' 46.917 N	103° 38' 2.914 W
8,945.0	0.90	229.80	8,899.1	656.6	68.4	393,432.63	757,891.95	32° 4' 46.908 N	103° 38' 2.925 W
9,040.0	0.70	225.70	8,994.1	655.7	67.4	393,431.74	757,890.96	32° 4' 46.900 N	103° 38' 2.937 W
9,134.0	0.80	227.60	9,088.1	654.9	66.5	393,430.89	757,890.07	32° 4' 46.891 N	103° 38' 2.947 W
9,229.0	0.70	217.90	9,183.1	654.0	65.7	393,429.99	757,889.22	32° 4' 46.882 N	103° 38' 2.957 W
9,323.0	0.60	219.80	9,277.1	653.2	65.0	393,429.16	757,888.55	32° 4' 46.874 N	103° 38' 2.965 W
9,418.0	0.60	211.30	9,372.1	652.4	64.4	393,428.35	757,887.98	32° 4' 46.866 N	103° 38' 2.972 W
9,512.0	1.00	204.40	9,466.1	651.2	63.8	393,427.18	757,887.38	32° 4' 46.855 N	103° 38' 2.979 W
9,606.0	1.20	190.50	9,560.1	649.5	63.3	393,425.47	757,886.86	32° 4' 46.838 N	103° 38' 2.985 W
9,701.0	1.80	181.40	9,655.0	647.0	63.1	393,423.00	757,886.65	32° 4' 46.813 N	103° 38' 2.987 W
9,795.0	2.00	169.90	9,749.0	643.9	63.4	393,419.91	757,886.90	32° 4' 46.783 N	103° 38' 2.985 W
9,890.0	0.30	166.80	9,844.0	642.0	63.7	393,418.03	757,887.24	32° 4' 46.764 N	103° 38' 2.981 W
9,984.0	0.80	182.90	9,937.9	641.2	63.7	393,417.14	757,887.27	32° 4' 46.755 N	103° 38' 2.981 W
10,078.0	1.00	184.90	10,031.9	639.7	63.6	393,415.67	757,887.16	32° 4' 46.741 N	103° 38' 2.982 W
10,173.0	0.50	30.70	10,126.9	639.2	63.8	393,415.20	757,887.31	32° 4' 46.736 N	103° 38' 2.980 W
10,267.0	0.90	19.50	10,220.9	640.3	64.2	393,416.25	757,887.76	32° 4' 46.747 N	103° 38' 2.975 W
10,362.0	0.20	348.90	10,315.9	641.1	64.4	393,417.11	757,887.98	32° 4' 46.755 N	103° 38' 2.972 W
10,456.0	0.60	284.50	10,409.9	641.4	63.9	393,417.40	757,887.47	32° 4' 46.758 N	103° 38' 2.978 W
10,550.0	0.30	277.00	10,503.9	641.6	63.2	393,417.55	757,886.75	32° 4' 46.760 N	103° 38' 2.987 W
10,645.0	0.50	230.60	10,598.9	641.3	62.6	393,417.32	757,886.18	32° 4' 46.757 N	103° 38' 2.993 W
10,739.0	0.90	228.40	10,692.9	640.6	61.8	393,416.57	757,885.31	32° 4' 46.750 N	103° 38' 3.003 W
10,834.0	0.40	271.30	10,787.9	640.1	60.9	393,416.08	757,884.42	32° 4' 46.745 N	103° 38' 3.014 W
10,928.0	0.50	302.70	10,881.9	640.3	60.2	393,416.31	757,883.75	32° 4' 46.747 N	103° 38' 3.022 W
11,022.0	0.60	289.90	10,975.9	640.7	59.4	393,416.70	757,882.94	32° 4' 46.751 N	103° 38' 3.031 W
11,117.0	0.80	236.50	11,070.9	640.5	58.4	393,416.50	757,881.92	32° 4' 46.749 N	103° 38' 3.043 W
11,211.0	1.40	228.60	11,164.9	639.4	57.0	393,415.38	757,880.51	32° 4' 46.738 N	103° 38' 3.059 W
11,306.0	0.30	213.60	11,259.9	638.4	56.0	393,414.40	757,879.50	32° 4' 46.729 N	103° 38' 3.071 W



Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #56H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3359.0usft (Patterson #282)
Site:	Sec 1, T26-S, R32-E	MD Reference:	WELL @ 3359.0usft (Patterson #282)
Well:	Mesa 8105 1-12 Fed #56H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,400.0	1.10	245.90	11,353.8	637.8	55.0	393,413.83	757,878.55	32° 4' 46.723 N	103° 38' 3.082 W
11,494.0	2.00	216.00	11,447.8	636.1	53.2	393,412.13	757,876.76	32° 4' 46.707 N	103° 38' 3.103 W
11,589.0	0.40	42.30	11,542.8	635.0	52.5	393,411.04	757,876.01	32° 4' 46.696 N	103° 38' 3.112 W
11,683.0	0.60	35.20	11,636.8	635.7	53.0	393,411.68	757,876.51	32° 4' 46.702 N	103° 38' 3.106 W
11,778.0	0.20	62.90	11,731.8	636.2	53.4	393,412.16	757,876.94	32° 4' 46.707 N	103° 38' 3.101 W
11,872.0	0.40	142.50	11,825.8	636.0	53.8	393,411.98	757,877.29	32° 4' 46.705 N	103° 38' 3.097 W
11,966.0	1.00	48.60	11,919.8	636.3	54.6	393,412.26	757,878.11	32° 4' 46.708 N	103° 38' 3.087 W
12,060.0	1.30	59.60	12,013.8	637.4	56.1	393,413.34	757,879.64	32° 4' 46.718 N	103° 38' 3.070 W
12,155.0	1.30	68.10	12,108.7	638.3	58.0	393,414.29	757,881.57	32° 4' 46.728 N	103° 38' 3.047 W
12,249.0	1.10	73.60	12,202.7	639.0	59.9	393,414.94	757,883.43	32° 4' 46.734 N	103° 38' 3.025 W
12,344.0	0.70	67.90	12,297.7	639.4	61.3	393,415.42	757,884.84	32° 4' 46.739 N	103° 38' 3.009 W
12,400.0	0.70	55.20	12,353.7	639.8	61.9	393,415.74	757,885.44	32° 4' 46.742 N	103° 38' 3.002 W
12,503.0	0.60	95.70	12,456.7	640.1	63.0	393,416.05	757,886.49	32° 4' 46.745 N	103° 38' 2.990 W
12,598.0	0.40	46.50	12,551.7	640.2	63.7	393,416.23	757,887.22	32° 4' 46.746 N	103° 38' 2.981 W
12,692.0	9.40	189.00	12,645.3	632.9	62.7	393,408.85	757,886.26	32° 4' 46.674 N	103° 38' 2.993 W
12,786.0	22.30	187.50	12,735.5	607.5	59.2	393,383.48	757,882.72	32° 4' 46.423 N	103° 38' 3.036 W
12,868.7	31.00	183.25	12,809.4	570.6	55.9	393,346.59	757,879.45	32° 4' 46.058 N	103° 38' 3.077 W
100' HL Crossed @ 12868.7'MD / 12809.4' TVD									
12,881.0	32.30	182.80	12,819.8	564.2	55.6	393,340.15	757,879.11	32° 4' 45.994 N	103° 38' 3.081 W
12,975.0	41.20	175.50	12,895.1	508.1	56.8	393,284.06	757,880.32	32° 4' 45.439 N	103° 38' 3.071 W
13,069.0	47.20	181.10	12,962.5	442.6	58.6	393,218.63	757,882.09	32° 4' 44.791 N	103° 38' 3.056 W
13,165.0	60.00	184.00	13,019.4	365.6	55.0	393,141.62	757,878.50	32° 4' 44.030 N	103° 38' 3.103 W
13,259.0	72.50	182.00	13,057.2	279.9	50.5	393,055.87	757,874.07	32° 4' 43.181 N	103° 38' 3.161 W
13,354.0	85.90	179.80	13,074.9	186.8	49.1	392,962.78	757,872.65	32° 4' 42.260 N	103° 38' 3.185 W
13,449.0	93.20	176.40	13,075.7	91.9	52.3	392,867.92	757,875.80	32° 4' 41.321 N	103° 38' 3.155 W
13,542.0	90.00	176.80	13,073.1	-0.9	57.8	392,775.13	757,881.31	32° 4' 40.403 N	103° 38' 3.098 W
13,578.0	90.40	176.80	13,072.9	-36.8	59.8	392,739.19	757,883.32	32° 4' 40.047 N	103° 38' 3.078 W
13,673.0	90.30	176.90	13,072.4	-131.7	65.0	392,644.33	757,888.54	32° 4' 39.108 N	103° 38' 3.024 W
13,766.0	91.70	176.90	13,070.7	-224.5	70.0	392,551.48	757,893.57	32° 4' 38.189 N	103° 38' 2.973 W
13,861.0	89.80	178.70	13,069.5	-319.4	73.7	392,456.57	757,897.22	32° 4' 37.249 N	103° 38' 2.937 W
13,956.0	91.80	180.00	13,068.2	-414.4	74.8	392,361.59	757,898.30	32° 4' 36.309 N	103° 38' 2.932 W
14,050.0	92.10	178.90	13,065.0	-508.3	75.7	392,267.65	757,899.20	32° 4' 35.380 N	103° 38' 2.929 W
14,144.0	88.40	178.90	13,064.6	-602.3	77.5	392,173.69	757,901.00	32° 4' 34.450 N	103° 38' 2.915 W
14,240.0	90.90	181.80	13,065.1	-698.3	76.9	392,077.71	757,900.41	32° 4' 33.500 N	103° 38' 2.929 W
14,333.0	89.20	179.70	13,065.1	-791.3	75.7	391,984.72	757,899.20	32° 4' 32.580 N	103° 38' 2.950 W
14,428.0	88.80	179.50	13,066.7	-886.2	76.3	391,889.74	757,899.86	32° 4' 31.640 N	103° 38' 2.949 W
14,522.0	88.40	177.70	13,069.0	-980.2	78.6	391,795.80	757,902.16	32° 4' 30.710 N	103° 38' 2.930 W
14,617.0	89.40	177.40	13,070.8	-1,075.1	82.7	391,700.91	757,906.22	32° 4' 29.771 N	103° 38' 2.890 W
14,711.0	90.40	177.90	13,071.0	-1,169.0	86.5	391,606.99	757,910.07	32° 4' 28.842 N	103° 38' 2.852 W
14,805.0	91.20	177.70	13,069.7	-1,262.9	90.1	391,513.07	757,913.68	32° 4' 27.912 N	103° 38' 2.817 W
14,899.0	91.60	178.10	13,067.4	-1,356.8	93.6	391,419.16	757,917.12	32° 4' 26.982 N	103° 38' 2.784 W
14,994.0	90.20	178.10	13,065.9	-1,451.8	96.7	391,324.23	757,920.27	32° 4' 26.043 N	103° 38' 2.755 W
15,089.0	90.20	177.50	13,065.6	-1,546.7	100.4	391,229.30	757,923.92	32° 4' 25.103 N	103° 38' 2.719 W
15,183.0	90.70	177.40	13,064.8	-1,640.6	104.6	391,135.39	757,928.10	32° 4' 24.174 N	103° 38' 2.678 W
15,276.0	91.00	176.10	13,063.5	-1,733.4	109.8	391,042.55	757,933.37	32° 4' 23.255 N	103° 38' 2.624 W
15,372.0	92.70	177.00	13,060.4	-1,829.2	115.6	390,946.78	757,939.15	32° 4' 22.307 N	103° 38' 2.564 W
15,467.0	93.00	179.10	13,055.6	-1,924.0	118.8	390,851.96	757,942.37	32° 4' 21.368 N	103° 38' 2.533 W
15,562.0	92.50	178.30	13,051.1	-2,018.9	121.0	390,757.10	757,944.53	32° 4' 20.429 N	103° 38' 2.516 W
15,656.0	93.10	177.80	13,046.5	-2,112.7	124.2	390,663.26	757,947.72	32° 4' 19.500 N	103° 38' 2.485 W
15,750.0	91.00	180.10	13,043.1	-2,206.6	125.9	390,569.35	757,949.44	32° 4' 18.571 N	103° 38' 2.473 W
15,844.0	88.70	181.40	13,043.4	-2,300.6	124.7	390,475.37	757,948.21	32° 4' 17.641 N	103° 38' 2.494 W
15,939.0	89.10	181.40	13,045.2	-2,395.6	122.4	390,380.41	757,945.89	32° 4' 16.702 N	103° 38' 2.528 W
16,033.0	89.40	181.30	13,046.4	-2,489.5	120.1	390,286.45	757,943.68	32° 4' 15.772 N	103° 38' 2.561 W
16,128.0	90.50	181.50	13,046.5	-2,584.5	117.8	390,191.48	757,941.36	32° 4' 14.832 N	103° 38' 2.595 W
16,222.0	89.90	180.00	13,046.2	-2,678.5	116.6	390,097.49	757,940.13	32° 4' 13.902 N	103° 38' 2.616 W



Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #56H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3359.0usft (Patterson #282)
Site:	Sec 1, T26-S, R32-E	MD Reference:	WELL @ 3359.0usft (Patterson #282)
Well:	Mesa 8105 1-12 Fed #56H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
16,317.0	88.60	178.40	13,047.4	-2,773.5	117.9	390,002.51	757,941.45	32° 4' 12.962 N	103° 38' 2.608 W
16,412.0	89.10	178.60	13,049.3	-2,868.4	120.4	389,907.56	757,943.94	32° 4' 12.023 N	103° 38' 2.586 W
16,507.0	90.30	179.40	13,049.8	-2,963.4	122.1	389,812.58	757,945.60	32° 4' 11.083 N	103° 38' 2.574 W
16,600.0	90.90	178.70	13,048.8	-3,056.4	123.6	389,719.60	757,947.14	32° 4' 10.162 N	103° 38' 2.563 W
16,694.0	90.10	176.80	13,048.0	-3,150.3	127.3	389,625.68	757,950.83	32° 4' 9.233 N	103° 38' 2.528 W
16,788.0	90.30	174.30	13,047.7	-3,244.0	134.6	389,531.97	757,958.12	32° 4' 8.305 N	103° 38' 2.450 W
16,882.0	91.60	179.70	13,046.1	-3,337.8	139.5	389,438.15	757,963.04	32° 4' 7.376 N	103° 38' 2.400 W
16,976.0	92.60	181.90	13,042.7	-3,431.8	138.2	389,344.23	757,961.73	32° 4' 6.447 N	103° 38' 2.422 W
17,070.0	93.20	181.70	13,037.9	-3,525.6	135.2	389,250.40	757,958.78	32° 4' 5.519 N	103° 38' 2.463 W
17,165.0	93.30	181.00	13,032.6	-3,620.4	133.0	389,155.58	757,956.54	32° 4' 4.580 N	103° 38' 2.496 W
17,259.0	87.90	181.50	13,031.6	-3,714.3	131.0	389,061.64	757,954.49	32° 4' 3.651 N	103° 38' 2.527 W
17,353.0	87.30	181.60	13,035.5	-3,808.2	128.4	388,967.76	757,951.95	32° 4' 2.722 N	103° 38' 2.564 W
17,448.0	88.60	182.20	13,038.9	-3,903.1	125.3	388,872.87	757,948.81	32° 4' 1.783 N	103° 38' 2.608 W
17,543.0	88.90	181.70	13,041.0	-3,998.0	122.0	388,777.95	757,945.57	32° 4' 0.844 N	103° 38' 2.652 W
17,637.0	88.70	181.20	13,042.9	-4,092.0	119.7	388,684.00	757,943.20	32° 3' 59.915 N	103° 38' 2.687 W
17,731.0	88.70	177.70	13,045.1	-4,185.9	120.6	388,590.05	757,944.10	32° 3' 58.985 N	103° 38' 2.684 W
17,825.0	89.60	177.20	13,046.5	-4,279.8	124.7	388,496.15	757,948.28	32° 3' 58.056 N	103° 38' 2.642 W
17,920.0	90.90	177.00	13,046.1	-4,374.7	129.5	388,401.28	757,953.09	32° 3' 57.116 N	103° 38' 2.593 W
18,015.0	92.00	177.70	13,043.7	-4,469.6	133.9	388,306.41	757,957.48	32° 3' 56.177 N	103° 38' 2.550 W
18,109.0	89.10	177.70	13,042.8	-4,563.5	137.7	388,212.50	757,961.25	32° 3' 55.248 N	103° 38' 2.513 W
18,204.0	88.10	178.40	13,045.1	-4,658.4	140.9	388,117.58	757,964.48	32° 3' 54.308 N	103° 38' 2.482 W
18,298.0	91.10	179.10	13,045.7	-4,752.4	143.0	388,023.62	757,966.53	32° 3' 53.378 N	103° 38' 2.466 W
18,392.0	91.30	178.20	13,043.8	-4,846.3	145.2	387,929.67	757,968.74	32° 3' 52.449 N	103° 38' 2.447 W
18,486.0	88.20	178.10	13,044.2	-4,940.3	148.2	387,835.73	757,971.78	32° 3' 51.519 N	103° 38' 2.419 W
18,581.0	88.20	177.20	13,047.2	-5,035.1	152.1	387,740.86	757,975.67	32° 3' 50.580 N	103° 38' 2.381 W
18,675.0	88.70	175.60	13,049.7	-5,128.9	158.0	387,647.08	757,981.57	32° 3' 49.651 N	103° 38' 2.319 W
18,770.0	92.50	178.40	13,048.7	-5,223.7	163.0	387,552.24	757,986.54	32° 3' 48.713 N	103° 38' 2.269 W
18,864.0	91.70	177.00	13,045.3	-5,317.6	166.8	387,458.38	757,990.31	32° 3' 47.784 N	103° 38' 2.232 W
18,959.0	92.60	176.80	13,041.7	-5,412.4	171.9	387,363.59	757,995.45	32° 3' 46.845 N	103° 38' 2.179 W
19,053.0	93.10	176.60	13,037.0	-5,506.1	177.3	387,269.86	758,000.85	32° 3' 45.917 N	103° 38' 2.124 W
19,148.0	90.90	178.40	13,033.7	-5,601.0	181.5	387,175.02	758,004.99	32° 3' 44.979 N	103° 38' 2.083 W
19,242.0	91.70	181.90	13,031.6	-5,694.9	181.2	387,081.06	758,004.75	32° 3' 44.049 N	103° 38' 2.093 W
19,337.0	93.10	182.40	13,027.6	-5,789.8	177.6	386,986.21	758,001.18	32° 3' 43.110 N	103° 38' 2.141 W
19,431.0	89.70	182.80	13,025.3	-5,883.6	173.4	386,892.35	757,996.92	32° 3' 42.182 N	103° 38' 2.198 W
19,525.0	89.70	182.30	13,025.8	-5,977.5	169.2	386,798.45	757,992.74	32° 3' 41.253 N	103° 38' 2.253 W
19,619.0	94.00	180.10	13,022.8	-6,071.4	167.2	386,704.55	757,990.77	32° 3' 40.324 N	103° 38' 2.283 W
19,714.0	90.20	179.30	13,019.3	-6,166.4	167.7	386,609.63	757,991.27	32° 3' 39.385 N	103° 38' 2.285 W
19,809.0	85.90	179.90	13,022.5	-6,261.3	168.4	386,514.71	757,991.93	32° 3' 38.445 N	103° 38' 2.284 W
19,903.0	86.70	180.40	13,028.6	-6,355.1	168.1	386,420.91	757,991.69	32° 3' 37.517 N	103° 38' 2.294 W
19,997.0	87.30	180.60	13,033.5	-6,448.9	167.3	386,327.04	757,990.87	32° 3' 36.588 N	103° 38' 2.311 W
20,091.0	88.20	181.20	13,037.2	-6,542.9	165.9	386,233.12	757,989.39	32° 3' 35.659 N	103° 38' 2.335 W
20,185.0	90.50	180.30	13,038.2	-6,636.8	164.6	386,139.15	757,988.16	32° 3' 34.729 N	103° 38' 2.356 W
20,279.0	90.30	179.80	13,037.6	-6,730.8	164.5	386,045.15	757,988.08	32° 3' 33.799 N	103° 38' 2.364 W
20,374.0	89.90	182.00	13,037.4	-6,825.8	163.1	385,950.17	757,986.59	32° 3' 32.859 N	103° 38' 2.389 W
20,468.0	85.10	177.70	13,041.5	-6,919.7	163.3	385,856.31	757,986.83	32° 3' 31.930 N	103° 38' 2.393 W
20,562.0	84.90	177.70	13,049.7	-7,013.2	167.0	385,762.74	757,990.58	32° 3' 31.004 N	103° 38' 2.356 W
20,656.0	85.50	178.00	13,057.6	-7,106.9	170.6	385,669.13	757,994.10	32° 3' 30.078 N	103° 38' 2.323 W
20,750.0	86.00	177.50	13,064.6	-7,200.5	174.2	385,575.47	757,997.78	32° 3' 29.151 N	103° 38' 2.287 W
20,844.0	86.10	177.60	13,071.0	-7,294.2	178.3	385,481.78	758,001.79	32° 3' 28.223 N	103° 38' 2.247 W
20,939.0	89.20	177.30	13,074.9	-7,389.0	182.5	385,386.96	758,006.01	32° 3' 27.285 N	103° 38' 2.205 W
21,033.0	90.00	178.10	13,075.6	-7,482.9	186.2	385,293.04	758,009.78	32° 3' 26.355 N	103° 38' 2.169 W
21,127.0	91.00	178.90	13,074.8	-7,576.9	188.7	385,199.08	758,012.24	32° 3' 25.425 N	103° 38' 2.147 W
21,222.0	91.70	178.40	13,072.5	-7,671.9	190.9	385,104.13	758,014.48	32° 3' 24.485 N	103° 38' 2.128 W
21,316.0	90.40	176.30	13,070.8	-7,765.7	195.3	385,010.26	758,018.83	32° 3' 23.556 N	103° 38' 2.085 W
21,410.0	90.30	172.00	13,070.2	-7,859.2	204.9	384,916.77	758,028.40	32° 3' 22.630 N	103° 38' 1.981 W



Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #56H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3359.0usft (Patterson #282)
Site:	Sec 1, T26-S, R32-E	MD Reference:	WELL @ 3359.0usft (Patterson #282)
Well:	Mesa 8105 1-12 Fed #56H	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
21,505.0	90.90	176.30	13,069.2	-7,953.7	214.5	384,822.29	758,038.09	32° 3' 21.695 N	103° 38' 1.875 W
21,599.0	88.60	177.30	13,069.6	-8,047.5	219.8	384,728.45	758,043.33	32° 3' 20.766 N	103° 38' 1.821 W
21,693.0	89.40	175.90	13,071.3	-8,141.4	225.4	384,634.63	758,048.91	32° 3' 19.837 N	103° 38' 1.764 W
21,788.0	93.10	177.70	13,069.2	-8,236.2	230.7	384,539.82	758,054.21	32° 3' 18.899 N	103° 38' 1.709 W
21,882.0	93.40	177.30	13,063.9	-8,329.9	234.8	384,446.06	758,058.30	32° 3' 17.971 N	103° 38' 1.669 W
21,976.0	91.20	176.10	13,060.1	-8,423.7	240.2	384,352.30	758,063.71	32° 3' 17.042 N	103° 38' 1.613 W
22,071.0	89.50	178.80	13,059.5	-8,518.6	244.4	384,257.41	758,067.93	32° 3' 16.103 N	103° 38' 1.571 W
22,165.0	88.00	178.10	13,061.6	-8,612.5	246.9	384,163.47	758,070.48	32° 3' 15.173 N	103° 38' 1.548 W
22,259.0	89.50	181.30	13,063.6	-8,706.5	247.4	384,069.51	758,070.97	32° 3' 14.243 N	103° 38' 1.550 W
22,353.0	90.90	182.00	13,063.3	-8,800.4	244.7	383,975.55	758,068.26	32° 3' 13.314 N	103° 38' 1.588 W
22,448.0	88.60	180.90	13,063.7	-8,895.4	242.3	383,880.59	758,065.86	32° 3' 12.374 N	103° 38' 1.623 W
22,542.0	89.50	182.10	13,065.3	-8,989.4	239.9	383,786.64	758,063.40	32° 3' 11.445 N	103° 38' 1.659 W
22,637.0	91.00	183.20	13,064.9	-9,084.2	235.5	383,691.74	758,059.00	32° 3' 10.506 N	103° 38' 1.717 W
22,731.0	90.70	183.30	13,063.5	-9,178.1	230.1	383,597.90	758,053.68	32° 3' 9.578 N	103° 38' 1.786 W
22,826.0	91.70	183.60	13,061.5	-9,272.9	224.4	383,503.10	758,047.96	32° 3' 8.640 N	103° 38' 1.860 W
22,921.0	90.50	179.90	13,059.6	-9,367.8	221.5	383,408.18	758,045.06	32° 3' 7.701 N	103° 38' 1.901 W
23,015.0	89.80	178.50	13,059.4	-9,461.8	222.8	383,314.19	758,046.37	32° 3' 6.771 N	103° 38' 1.892 W
23,110.0	91.90	179.50	13,058.0	-9,556.8	224.5	383,219.22	758,048.03	32° 3' 5.831 N	103° 38' 1.880 W
23,204.0	92.30	178.00	13,054.5	-9,650.7	226.5	383,125.31	758,050.08	32° 3' 4.901 N	103° 38' 1.864 W
23,298.0	92.70	177.50	13,050.4	-9,744.5	230.2	383,031.47	758,053.77	32° 3' 3.973 N	103° 38' 1.828 W
23,393.0	93.80	176.80	13,045.1	-9,839.2	234.9	382,936.75	758,058.48	32° 3' 3.035 N	103° 38' 1.780 W
23,462.0	92.50	175.30	13,041.3	-9,908.0	239.7	382,868.02	758,063.23	32° 3' 2.355 N	103° 38' 1.730 W
23,483.7	92.50	175.30	13,040.3	-9,929.6	241.5	382,846.41	758,065.01	32° 3' 2.141 N	103° 38' 1.711 W
100' HL Crossed @ 23483.7'MD / 13040.3' TVD									
23,520.0	92.50	175.30	13,038.7	-9,965.7	244.4	382,810.27	758,067.98	32° 3' 1.783 N	103° 38' 1.679 W
TD @ 23520.0' MD / 13038.7' TVD									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
185.0	185.0	0.3	0.4	First MWD Survey @ 185.0'MD / 185.0' TVD
5,366.5	5,326.5	570.6	57.3	100' HL Crossed @ 5366.5'MD / 5326.5' TVD
12,868.7	12,809.4	570.6	55.9	100' HL Crossed @ 12868.7'MD / 12809.4' TVD
23,483.7	13,040.3	-9,929.6	241.5	100' HL Crossed @ 23483.7'MD / 13040.3' TVD
23,520.0	13,038.7	-9,965.7	244.4	TD @ 23520.0' MD / 13038.7' TVD

Checked By: _____ Approved By: _____ Date: _____

Well Name: MESA 8105 1-12 FEDERAL	Well Location: T26S / R32E / SEC 1 / NWNW / 32.07896 / -103.634871	County or Parish/State: LEA / NM
Well Number: 56H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM014492	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002548960	Well Status: Drilling Well	Operator: BTA OIL PRODUCERS LLC

Subsequent Report

Sundry ID: 2718527

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 03/01/2023	Time Sundry Submitted: 04:07
Date Operation Actually Began: 01/17/2023	

Actual Procedure: 07/03/2023:TD @ 23,520' REACHED. PBTD: 23,504' 01/17/2023: THRU 02/01/2023: PERFORATE AND FRAC: 13,250' - 23,475' WITH 616,873 bbls slickwater, 24.22 MM#s of 100 mesh native sand. 02/07/2023: COMPLETE DRILLOUT. 02/21/2023: 2 7/8" L-80 TUBING @ 9,986' ASIX PACKER @ 9,986' 02/27/2023: START FLOWING BACK AND TESTING.

Received by OCD: 3/31/2023 11:33:06 AM

Page 12 of 18

Well Name: MESA 8105 1-12 FEDERAL	Well Location: T26S / R32E / SEC 1 / NWNW / 32.07896 / -103.634871	County or Parish/State: LEA / NM
Well Number: 56H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM014492	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002548960	Well Status: Drilling Well	Operator: BTA OIL PRODUCERS LLC

Operator

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

Operator Electronic Signature: KATY REDDELL	Signed on: MAR 01, 2023 04:07 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 Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

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: 03/30/2023
Signature: Jonathon Shepard	

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						
		1. WELL API NO. 30-025-48960		2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN						
		2. State Oil & Gas Lease No. NMNM014492								
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: 56H						
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 WC-025 G-09 S253236A; UPR WOLFCAMP						
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		680	N	900	W	LEA
BH:	M	12	26S	32E		63	S	991	W	LEA
13. Date Spudded 05/10/2022	14. Date T.D. Reached 07/03/2022	15. Date Rig Released 07/04/2022		16. Date Completed (Ready to Produce) 02/27/2023		17. Elevations (DF and RKB, RT, GR, etc.) 3334' GR				
18. Total Measured Depth of Well 23,520'		19. Plug Back Measured Depth 23,504'		20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run MWD				
22. Producing Interval(s), of this completion - Top, Bottom, Name 13,250-23,475'										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
10 ¾		40.5		883		14 ¾		645		
7 5/8		29.7		12,450'		8 ¾		1220		
5 ½		20		12,349'		6 ¾		1970		
5		18		23,504'		6 ¾		1970		
24. LINER RECORD										
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		
25. TUBING RECORD										
SIZE		DEPTH SET		PACKER SET						
2 7/8:		9,986'		9,986'						
26. Perforation record (interval, size, and number) 13,250' – 23,475' 0.42 PERF HOLE 2,304 HOLES										
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.										
DEPTH INTERVAL						AMOUNT AND KIND MATERIAL USED				
23,475'						616,873 BBLS SLICK WATER, 24.22MM#s mesh native sand.				
28. PRODUCTION										
Date First Production 02/27/2023		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) PROD				
Date of Test 03/09/2023	Hours Tested 24	Choke Size 20/64	Prod'n For Test Period	Oil - Bbl 495	Gas - MCF 2520	Water - Bbl. 4769	Gas - Oil Ratio			
Flow Tubing Press. 3025	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl. 495	Gas - MCF 2520	Water - Bbl. 4769	Oil Gravity - API - (Corr.) 46				
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

Printed

Signature *Katy Reddell* Name KATY REDDELL Title REGULATORY ANALYST Date 03/31/2023

E-mail Address kreddell@btaoil.com

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon 4935	T. Ojo Alamo	T. Penn A"
T. Salt 2522	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 4334	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 4735	T. Morrison	
T. Drinkard	T. Bone Springs 8963	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 3, from.....to.....

No. 2, from.....to.....

No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

ACKNOWLEDGMENTS

Action 202779

ACKNOWLEDGMENTS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 202779
	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.

Sante Fe Main Office
Phone: (505) 476-3441

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

CONDITIONS

Action 202779

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 202779
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	10/8/2025