

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 – 025-46903	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 40H

II. ¹⁰ Surface Location

Ul or lot no. B	Sec 1	Township 26S	Range 32E	Lot Idn	406	NORTH LINE	1960	EAST LINE	County LEA
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¹¹ Bottom Hole Location

UL or lot no P	Section 12	Township 26S	Range 33E	Lot Idn	50	SOUTH LINE	990	EAST LINE	LEA	
¹² Lse Code F	¹³ Producing Method FLOWING		¹⁴ Gas Connection 1/23/2021			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 5/18/2020	²² Ready Date 1/23/2021	²³ TD 19,780	PBTD: 19,761	²⁵ Perforations 9,540’ – 19,707’	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17 1/2		13 3/8	1,140		990
12 1/4		9 5/8	4,856		1,335
8 3/4		5 ½	19,765		2,985

V. Well Test Data

³¹ Date New Oil 1/23/2021	³² Gas Delivery Date 1/23/2021	³³ Test Date 2/01/2021	³⁴ Test Length 24	³⁵ Tbg. Pressure 610 PSI	³⁶ Csg. Pressure
³⁷ Choke Size 32/64	³⁸ Oil 275	³⁹ Water 2163	⁴⁰ Gas 568		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 01/26/2021 432-682-3753					

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

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

DISTRICT III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

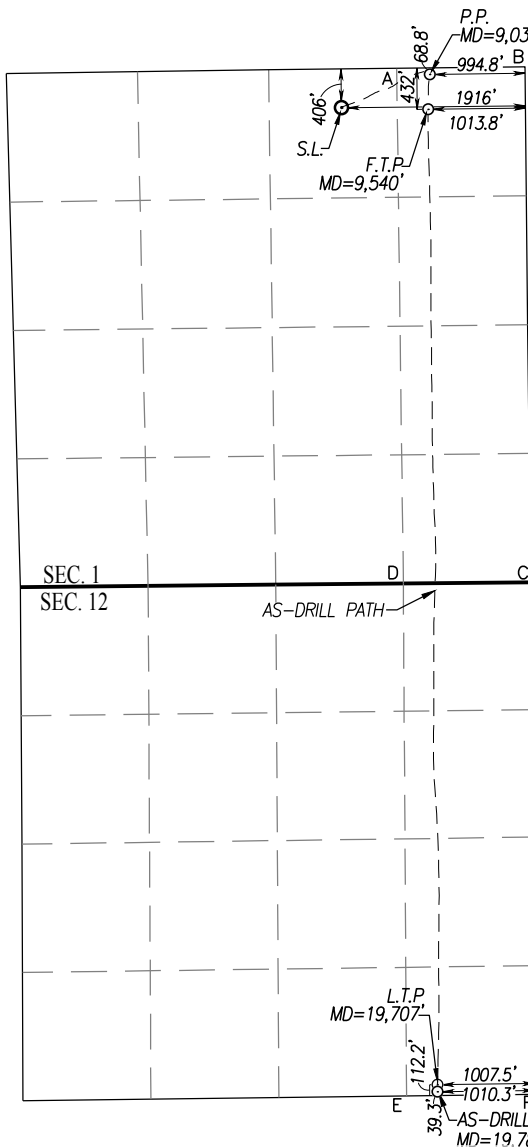
Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-46903		Pool Code 97838		Pool Name JENNINGS/UPPER BONE SPRING					
Property Code 328173		Property Name MESA 8105 1-12 FED						Well Number 40H	
OGRID No. 260297		Operator Name BTA OIL PRODUCERS, LLC						Elevation 3355'	
Surface Location									
UL or lot No. B	Section 1	Township 26-S	Range 32-E	Lot Idn	Feet from the 406	North/South line NORTH	Feet from the 1916	East/West line EAST	County LEA
As-Drilled Bottom Hole Location If Different From Surface									
UL or lot No. P	Section 12	Township 26-S	Range 32-E	Lot Idn	Feet from the 39.3	North/South line SOUTH	Feet from the 1010.3	East/West line EAST	County LEA
Penetration Point Location									
UL or lot No. A	Section 1	Township 26-S	Range 32-E	Lot Idn	Feet from the 68.8	North/South line NORTH	Feet from the 994.8	East/West line EAST	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	GEODETIC COORDINATES
NAD 83 NME	NAD 27 NME
SURFACE LOCATION	SURFACE LOCATION
Y= 393075.6 N	Y= 393018.1 N
X= 760394.0 E	X= 719207.4 E
LAT.=32.078671° N	LAT.=32.078546° N
LONG.=103.626076° W	LONG.=103.625604° W
PENETRATION POINT	PENETRATION POINT
NAD 83 NME	NAD 27 NME
Y= 393423.6 N	Y= 393366.1 N
X= 761311.7 E	X= 720125.1 E
LAT.=32.079611° N	LAT.=32.079486° N
LONG.=103.623105° W	LONG.=103.622634° W
FIRST TAKE POINT	FIRST TAKE POINT
NAD 83 NME	NAD 27 NME
Y= 393060.3 N	Y= 393002.8 N
X= 761296.3 E	X= 720109.7 E
LAT.=32.078612° N	LAT.=32.078487° N
LONG.=103.623163° W	LONG.=103.622692° W

CORNER COORDINATES TABLE

NAD 27 NME

A - Y= 393430.8 N, X= 719783.4 E
B - Y= 393446.7 N, X= 721119.0 E
C - Y= 388078.8 N, X= 721180.8 E
D - Y= 388065.8 N, X= 719852.3 E
E - Y= 382729.0 N, X= 719884.8 E
F - Y= 382746.5 N, X= 721215.1 E

CORNER COORDINATES TABLE

NAD 83 NME

A - Y= 393488.4 N, X= 760970.0 E
B - Y= 393504.2 N, X= 762305.6 E
C - Y= 388136.2 N, X= 762367.7 E
D - Y= 388123.2 N, X= 761039.1 E
E - Y= 382786.2 N, X= 761071.9 E
F - Y= 382803.7 N, X= 762402.2 E

LAST TAKE POINT	LAST TAKE POINT
NAD 83 NME	NAD 27 NME
Y= 382902.6 N	Y= 382845.3 N
X= 761394.2 E	X= 720207.2 E
LAT.=32.050689° N	LAT.=32.050564° N
LONG.=103.623063° W	LONG.=103.622593° W

AS-DRILLED BOTTOM HOLE LOCATION	AS-DRILLED BOTTOM HOLE LOCATION
NAD 83 NME	NAD 27 NME
Y= 382829.7 N	Y= 382772.5 N
X= 761391.9 E	X= 720204.9 E
LAT.=32.050489° N	LAT.=32.050364° N
LONG.=103.623072° W	LONG.=103.622602° W

NOTE: AS-DRILLED BOTTOM HOLE, LAST TAKE POINT, FIRST TAKE POINT AND PENETRATION POINT PLOTTED FROM DATA FURNISHED BY QES SURVEY REPORT ON MAY 04, 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 3/29/2021

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 recent 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 **12641**
Signature & Seal of Professional Surveyor

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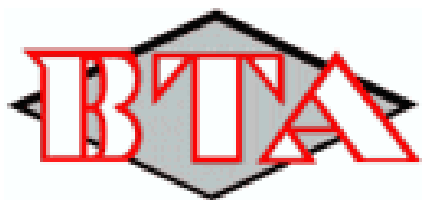
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BTA Oil Producers, LLC

Lea County, NM (NAD 83)

Sec 1, T26-S, R32-E

Mesa 8105 1-12 Fed #40H

Wellbore #1

Design: Wellbore #1

Survey Report - Geographic

04 May, 2020





QES
Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #40H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3380.0usft (Patterson #288)
Site:	Sec 1, T26-S, R32-E	MD Reference:	WELL @ 3380.0usft (Patterson #288)
Well:	Mesa 8105 1-12 Fed #40H	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 #40H		
Well Position	+N/-S	0.0 usft	Northing: 393,075.60 usft
	+E/-W	0.0 usft	Easting: 760,394.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 4' 43.214 N
		Longitude:	103° 37' 33.872 W
		Ground Level:	3,355.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM2020	4/9/2020	6.55
			Dip Angle (°)
			59.67
			Field Strength (nT)
			47,654.30000000

Design	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°)
			174.32

Survey Program	Date	5/4/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
169.0	19,780.0	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	393,075.60	760,394.00	32° 4' 43.214 N	103° 37' 33.872 W
169.0	1.00	3.70	169.0	1.5	0.1	393,077.07	760,394.09	32° 4' 43.229 N	103° 37' 33.871 W
First MWD Survey @ 169.0' MD / 169.0' TVD									
257.0	0.90	352.70	257.0	2.9	0.1	393,078.52	760,394.05	32° 4' 43.243 N	103° 37' 33.871 W
376.0	1.00	1.80	376.0	4.9	0.0	393,080.49	760,393.97	32° 4' 43.262 N	103° 37' 33.872 W
496.0	0.80	0.00	495.9	6.8	0.0	393,082.37	760,394.00	32° 4' 43.281 N	103° 37' 33.872 W
618.0	0.80	342.80	617.9	8.4	-0.2	393,084.04	760,393.75	32° 4' 43.298 N	103° 37' 33.874 W
743.0	0.60	331.90	742.9	9.8	-0.8	393,085.45	760,393.18	32° 4' 43.312 N	103° 37' 33.881 W
838.0	0.70	309.60	837.9	10.7	-1.5	393,086.26	760,392.50	32° 4' 43.320 N	103° 37' 33.889 W
933.0	0.40	260.20	932.9	11.0	-2.3	393,086.57	760,391.73	32° 4' 43.323 N	103° 37' 33.898 W
1,097.0	0.40	201.50	1,096.9	10.3	-3.0	393,085.94	760,390.95	32° 4' 43.317 N	103° 37' 33.907 W
1,187.0	0.20	177.00	1,186.9	9.9	-3.2	393,085.49	760,390.85	32° 4' 43.312 N	103° 37' 33.908 W



QES

Survey Report - Geographic



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Well:	Mesa 8105 1-12 Fed #40H	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
1,282.0	1.40	74.70	1,281.9	10.0	-2.0	393,085.63	760,391.97	32° 4' 43.313 N	103° 37' 33.895 W
1,378.0	3.30	73.10	1,377.8	11.1	1.8	393,086.74	760,395.75	32° 4' 43.324 N	103° 37' 33.851 W
1,473.0	5.40	74.40	1,472.5	13.1	8.7	393,088.74	760,402.67	32° 4' 43.343 N	103° 37' 33.770 W
1,568.0	6.80	75.10	1,567.0	15.8	18.4	393,091.39	760,412.41	32° 4' 43.369 N	103° 37' 33.657 W
1,663.0	8.40	71.90	1,661.2	19.4	30.4	393,094.99	760,424.44	32° 4' 43.404 N	103° 37' 33.517 W
1,758.0	9.10	70.00	1,755.1	24.1	44.1	393,099.72	760,438.10	32° 4' 43.450 N	103° 37' 33.358 W
1,852.0	9.10	70.30	1,847.9	29.2	58.1	393,104.77	760,452.08	32° 4' 43.499 N	103° 37' 33.195 W
1,947.0	9.10	70.30	1,941.7	34.2	72.2	393,109.83	760,466.23	32° 4' 43.548 N	103° 37' 33.030 W
2,042.0	9.10	71.00	2,035.5	39.2	86.4	393,114.81	760,480.41	32° 4' 43.596 N	103° 37' 32.865 W
2,137.0	9.10	71.40	2,129.3	44.1	100.6	393,119.65	760,494.63	32° 4' 43.643 N	103° 37' 32.699 W
2,232.0	9.10	73.00	2,223.1	48.6	114.9	393,124.24	760,508.93	32° 4' 43.688 N	103° 37' 32.533 W
2,326.0	8.60	71.60	2,316.0	53.0	128.7	393,128.63	760,522.71	32° 4' 43.730 N	103° 37' 32.372 W
2,421.0	8.40	69.10	2,409.9	57.8	141.9	393,133.35	760,535.93	32° 4' 43.776 N	103° 37' 32.218 W
2,516.0	8.30	69.60	2,503.9	62.6	154.8	393,138.22	760,548.84	32° 4' 43.824 N	103° 37' 32.068 W
2,611.0	8.10	70.20	2,597.9	67.3	167.6	393,142.88	760,561.57	32° 4' 43.869 N	103° 37' 31.919 W
2,706.0	8.00	71.60	2,692.0	71.6	180.1	393,147.23	760,574.14	32° 4' 43.911 N	103° 37' 31.773 W
2,801.0	8.20	68.40	2,786.1	76.2	192.7	393,151.81	760,586.71	32° 4' 43.956 N	103° 37' 31.627 W
2,896.0	8.30	65.80	2,880.1	81.5	205.3	393,157.11	760,599.26	32° 4' 44.007 N	103° 37' 31.480 W
2,990.0	8.30	66.80	2,973.1	87.0	217.7	393,162.57	760,611.69	32° 4' 44.060 N	103° 37' 31.335 W
3,085.0	8.00	67.50	3,067.1	92.2	230.1	393,167.80	760,624.10	32° 4' 44.111 N	103° 37' 31.191 W
3,180.0	8.40	64.40	3,161.2	97.7	242.5	393,173.33	760,636.46	32° 4' 44.165 N	103° 37' 31.047 W
3,276.0	9.10	59.60	3,256.1	104.6	255.3	393,180.20	760,649.33	32° 4' 44.233 N	103° 37' 30.897 W
3,371.0	9.20	60.70	3,349.8	112.1	268.4	393,187.72	760,662.44	32° 4' 44.306 N	103° 37' 30.744 W
3,466.0	9.10	62.60	3,443.6	119.3	281.7	393,194.89	760,675.73	32° 4' 44.376 N	103° 37' 30.589 W
3,561.0	9.20	61.40	3,537.4	126.4	295.1	393,201.98	760,689.07	32° 4' 44.445 N	103° 37' 30.433 W
3,656.0	9.10	60.70	3,631.2	133.7	308.3	393,209.30	760,702.28	32° 4' 44.517 N	103° 37' 30.279 W
3,750.0	9.10	60.80	3,724.0	141.0	321.3	393,216.56	760,715.26	32° 4' 44.588 N	103° 37' 30.128 W
3,846.0	8.70	61.20	3,818.9	148.2	334.2	393,223.76	760,728.25	32° 4' 44.658 N	103° 37' 29.976 W
3,940.0	8.20	61.90	3,911.9	154.7	346.4	393,230.34	760,740.39	32° 4' 44.723 N	103° 37' 29.834 W
4,036.0	8.10	64.40	4,006.9	160.9	358.5	393,236.49	760,752.53	32° 4' 44.783 N	103° 37' 29.693 W
4,131.0	8.10	68.70	4,100.9	166.2	370.8	393,241.81	760,764.80	32° 4' 44.835 N	103° 37' 29.550 W
4,226.0	8.30	74.40	4,195.0	170.5	383.6	393,246.09	760,777.64	32° 4' 44.876 N	103° 37' 29.400 W
4,321.0	8.20	76.80	4,289.0	173.9	396.8	393,249.48	760,790.84	32° 4' 44.909 N	103° 37' 29.247 W
4,415.0	8.00	77.40	4,382.0	176.8	409.8	393,252.44	760,803.75	32° 4' 44.937 N	103° 37' 29.096 W
4,511.0	8.20	78.80	4,477.1	179.6	423.0	393,255.22	760,816.98	32° 4' 44.964 N	103° 37' 28.942 W
4,606.0	8.30	79.50	4,571.1	182.2	436.4	393,257.79	760,830.37	32° 4' 44.989 N	103° 37' 28.786 W
4,701.0	8.00	72.80	4,665.2	185.4	449.4	393,260.99	760,843.43	32° 4' 45.019 N	103° 37' 28.634 W
4,790.0	7.70	69.60	4,753.3	189.3	460.9	393,264.90	760,854.93	32° 4' 45.057 N	103° 37' 28.500 W
4,859.0	6.90	71.00	4,821.8	192.3	469.2	393,267.87	760,863.19	32° 4' 45.086 N	103° 37' 28.404 W
4,954.0	8.30	61.40	4,915.9	197.4	480.6	393,273.01	760,874.60	32° 4' 45.136 N	103° 37' 28.271 W
5,049.0	8.40	61.90	5,009.9	204.0	492.7	393,279.56	760,886.74	32° 4' 45.200 N	103° 37' 28.130 W
5,144.0	8.20	61.00	5,103.9	210.5	504.8	393,286.11	760,898.79	32° 4' 45.264 N	103° 37' 27.989 W
5,239.0	7.70	62.20	5,198.0	216.8	516.3	393,292.36	760,910.35	32° 4' 45.325 N	103° 37' 27.854 W
5,334.0	7.50	61.40	5,292.2	222.7	527.4	393,298.30	760,921.42	32° 4' 45.383 N	103° 37' 27.725 W
5,429.0	7.00	60.70	5,386.4	228.5	537.9	393,304.10	760,931.91	32° 4' 45.440 N	103° 37' 27.603 W
5,524.0	8.70	56.60	5,480.5	235.3	549.0	393,310.89	760,942.96	32° 4' 45.507 N	103° 37' 27.474 W
5,619.0	9.10	55.90	5,574.4	243.5	561.2	393,319.05	760,955.18	32° 4' 45.587 N	103° 37' 27.331 W
5,714.0	8.70	55.40	5,668.2	251.7	573.3	393,327.35	760,967.31	32° 4' 45.668 N	103° 37' 27.190 W
5,750.8	8.47	54.63	5,704.6	254.9	577.8	393,330.50	760,971.81	32° 4' 45.699 N	103° 37' 27.137 W
LL Crossed @ 5750.8'MD / 5704.6' TVD									
5,810.0	8.10	53.30	5,763.2	259.9	584.7	393,335.51	760,978.71	32° 4' 45.748 N	103° 37' 27.056 W
5,905.0	7.60	53.80	5,857.3	267.6	595.2	393,343.22	760,989.15	32° 4' 45.824 N	103° 37' 26.935 W
6,000.0	7.10	53.10	5,951.5	274.9	604.9	393,350.46	760,998.91	32° 4' 45.895 N	103° 37' 26.821 W
6,095.0	8.20	55.90	6,045.7	282.2	615.2	393,357.78	761,009.22	32° 4' 45.966 N	103° 37' 26.700 W
6,190.0	8.70	58.90	6,139.7	289.7	627.0	393,365.29	761,020.98	32° 4' 46.040 N	103° 37' 26.563 W



QES

Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #40H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3380.0usft (Patterson #288)
Site:	Sec 1, T26-S, R32-E	MD Reference:	WELL @ 3380.0usft (Patterson #288)
Well:	Mesa 8105 1-12 Fed #40H	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
6,285.0	8.40	59.10	6,233.6	297.0	639.1	393,372.56	761,033.09	32° 4' 46.111 N	103° 37' 26.422 W
6,380.0	8.20	58.90	6,327.6	304.0	650.8	393,379.63	761,044.84	32° 4' 46.180 N	103° 37' 26.285 W
6,476.0	7.90	58.40	6,422.7	311.0	662.3	393,386.62	761,056.32	32° 4' 46.249 N	103° 37' 26.151 W
6,571.0	7.70	57.70	6,516.8	317.8	673.3	393,393.44	761,067.26	32° 4' 46.315 N	103° 37' 26.023 W
6,666.0	8.70	64.40	6,610.8	324.3	685.1	393,399.95	761,079.12	32° 4' 46.379 N	103° 37' 25.885 W
6,761.0	8.10	69.50	6,704.8	329.8	697.9	393,405.40	761,091.87	32° 4' 46.432 N	103° 37' 25.736 W
6,856.0	7.70	72.40	6,798.9	334.1	710.2	393,409.67	761,104.21	32° 4' 46.474 N	103° 37' 25.592 W
6,951.0	7.70	73.10	6,893.0	337.8	722.4	393,413.44	761,116.36	32° 4' 46.510 N	103° 37' 25.451 W
7,046.0	7.70	73.70	6,987.2	341.5	734.6	393,417.08	761,128.56	32° 4' 46.545 N	103° 37' 25.309 W
7,141.0	7.60	73.50	7,081.3	345.0	746.7	393,420.65	761,140.69	32° 4' 46.580 N	103° 37' 25.167 W
7,235.0	8.60	72.30	7,174.4	348.9	759.4	393,424.55	761,153.35	32° 4' 46.618 N	103° 37' 25.020 W
7,330.0	8.60	73.10	7,268.3	353.2	772.9	393,428.77	761,166.91	32° 4' 46.659 N	103° 37' 24.862 W
7,425.0	8.20	73.50	7,362.3	357.2	786.2	393,432.76	761,180.20	32° 4' 46.697 N	103° 37' 24.707 W
7,521.0	7.50	75.10	7,457.4	360.7	798.8	393,436.32	761,192.82	32° 4' 46.732 N	103° 37' 24.560 W
7,616.0	6.90	77.00	7,551.7	363.6	810.4	393,439.20	761,204.37	32° 4' 46.759 N	103° 37' 24.426 W
7,711.0	7.90	75.30	7,645.9	366.5	822.3	393,442.14	761,216.25	32° 4' 46.788 N	103° 37' 24.288 W
7,806.0	7.60	75.30	7,740.0	369.8	834.6	393,445.39	761,228.64	32° 4' 46.819 N	103° 37' 24.143 W
7,901.0	8.30	70.50	7,834.1	373.7	847.2	393,449.27	761,241.18	32° 4' 46.857 N	103° 37' 23.997 W
7,996.0	8.20	70.50	7,928.1	378.2	860.0	393,453.82	761,254.03	32° 4' 46.901 N	103° 37' 23.848 W
8,091.0	7.70	71.70	8,022.2	382.5	872.5	393,458.08	761,266.46	32° 4' 46.942 N	103° 37' 23.703 W
8,186.0	7.60	73.50	8,116.3	386.3	884.5	393,461.86	761,278.53	32° 4' 46.979 N	103° 37' 23.562 W
8,281.0	7.10	73.70	8,210.6	389.7	896.2	393,465.29	761,290.19	32° 4' 47.012 N	103° 37' 23.426 W
8,376.0	7.00	75.80	8,304.8	392.8	907.4	393,468.36	761,301.43	32° 4' 47.042 N	103° 37' 23.295 W
8,471.0	5.00	82.30	8,399.3	394.7	917.2	393,470.34	761,311.15	32° 4' 47.061 N	103° 37' 23.182 W
8,566.0	2.50	96.90	8,494.1	395.0	923.3	393,470.64	761,317.31	32° 4' 47.063 N	103° 37' 23.111 W
8,661.0	0.90	172.60	8,589.1	394.1	925.5	393,469.65	761,319.46	32° 4' 47.053 N	103° 37' 23.086 W
8,756.0	1.40	203.70	8,684.1	392.3	925.1	393,467.85	761,319.09	32° 4' 47.035 N	103° 37' 23.090 W
8,788.0	1.20	208.70	8,716.0	391.6	924.8	393,467.20	761,318.77	32° 4' 47.029 N	103° 37' 23.094 W
8,878.0	5.40	183.40	8,805.9	386.5	924.1	393,462.14	761,318.07	32° 4' 46.979 N	103° 37' 23.103 W
8,973.0	15.80	192.80	8,899.1	369.4	920.9	393,445.02	761,314.93	32° 4' 46.810 N	103° 37' 23.140 W
9,068.0	25.70	185.30	8,987.9	336.2	916.2	393,411.81	761,310.15	32° 4' 46.481 N	103° 37' 23.199 W
9,111.0	29.82	185.93	9,025.9	316.3	914.2	393,391.88	761,308.18	32° 4' 46.284 N	103° 37' 23.223 W
100' HL Crossed @ 9111.0'MD / 9025.9' TVD									
9,163.0	34.80	186.50	9,069.9	288.7	911.2	393,364.26	761,305.17	32° 4' 46.011 N	103° 37' 23.260 W
9,258.0	45.20	181.80	9,142.5	227.9	907.0	393,303.46	761,301.03	32° 4' 45.410 N	103° 37' 23.313 W
9,353.0	54.40	181.60	9,203.8	155.4	904.9	393,231.01	761,298.89	32° 4' 44.693 N	103° 37' 23.343 W
9,448.0	66.90	181.10	9,250.3	72.8	903.0	393,148.39	761,296.96	32° 4' 43.876 N	103° 37' 23.372 W
9,543.0	80.80	179.70	9,276.6	-18.2	902.4	393,057.37	761,296.36	32° 4' 42.975 N	103° 37' 23.386 W
9,638.0	89.10	179.50	9,285.0	-112.8	903.0	392,962.82	761,297.03	32° 4' 42.039 N	103° 37' 23.385 W
9,663.0	89.30	179.50	9,285.3	-137.8	903.2	392,937.83	761,297.24	32° 4' 41.792 N	103° 37' 23.385 W
9,758.0	89.90	179.80	9,286.0	-232.8	903.8	392,842.83	761,297.82	32° 4' 40.852 N	103° 37' 23.385 W
9,853.0	90.40	179.70	9,285.8	-327.8	904.2	392,747.83	761,298.24	32° 4' 39.912 N	103° 37' 23.388 W
9,949.0	89.30	177.40	9,286.0	-423.7	906.7	392,651.87	761,300.67	32° 4' 38.962 N	103° 37' 23.367 W
10,043.0	89.40	178.10	9,287.1	-517.6	910.4	392,557.95	761,304.36	32° 4' 38.032 N	103° 37' 23.331 W
10,138.0	89.60	178.10	9,287.9	-612.6	913.5	392,463.01	761,307.51	32° 4' 37.093 N	103° 37' 23.302 W
10,233.0	90.40	178.60	9,287.9	-707.6	916.2	392,368.05	761,310.24	32° 4' 36.153 N	103° 37' 23.277 W
10,328.0	90.90	178.80	9,286.8	-802.5	918.4	392,273.08	761,312.40	32° 4' 35.213 N	103° 37' 23.259 W
10,423.0	92.10	179.30	9,284.3	-897.5	920.0	392,178.12	761,313.97	32° 4' 34.273 N	103° 37' 23.248 W
10,517.0	90.80	178.40	9,282.0	-991.4	921.9	392,084.18	761,315.86	32° 4' 33.343 N	103° 37' 23.234 W
10,612.0	91.40	178.40	9,280.1	-1,086.4	924.5	391,989.23	761,318.51	32° 4' 32.404 N	103° 37' 23.210 W
10,707.0	92.30	179.00	9,277.1	-1,181.3	926.7	391,894.31	761,320.67	32° 4' 31.464 N	103° 37' 23.192 W
10,802.0	89.10	178.40	9,275.9	-1,276.2	928.8	391,799.35	761,322.82	32° 4' 30.524 N	103° 37' 23.175 W
10,897.0	89.30	179.00	9,277.2	-1,371.2	931.0	391,704.39	761,324.98	32° 4' 29.585 N	103° 37' 23.157 W
10,992.0	89.40	179.30	9,278.3	-1,466.2	932.4	391,609.40	761,326.38	32° 4' 28.645 N	103° 37' 23.148 W
11,087.0	89.70	179.80	9,279.1	-1,561.2	933.1	391,514.41	761,327.13	32° 4' 27.705 N	103° 37' 23.146 W



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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,182.0	90.70	180.00	9,278.7	-1,656.2	933.3	391,419.41	761,327.30	32° 4' 26.764 N	103° 37' 23.152 W
11,277.0	91.50	180.50	9,276.9	-1,751.2	932.9	391,324.43	761,326.88	32° 4' 25.825 N	103° 37' 23.164 W
11,372.0	92.20	180.50	9,273.8	-1,846.1	932.1	391,229.48	761,326.05	32° 4' 24.885 N	103° 37' 23.181 W
11,467.0	91.20	180.20	9,271.0	-1,941.1	931.5	391,134.53	761,325.47	32° 4' 23.946 N	103° 37' 23.195 W
11,562.0	92.20	180.40	9,268.2	-2,036.0	931.0	391,039.57	761,324.98	32° 4' 23.006 N	103° 37' 23.208 W
11,657.0	90.40	179.10	9,266.0	-2,131.0	931.4	390,944.60	761,325.39	32° 4' 22.066 N	103° 37' 23.210 W
11,752.0	90.10	178.80	9,265.6	-2,226.0	933.1	390,849.62	761,327.13	32° 4' 21.126 N	103° 37' 23.197 W
11,847.0	90.50	178.60	9,265.1	-2,321.0	935.3	390,754.65	761,329.29	32° 4' 20.186 N	103° 37' 23.179 W
11,943.0	91.20	179.00	9,263.7	-2,416.9	937.3	390,658.68	761,331.30	32° 4' 19.236 N	103° 37' 23.163 W
12,037.0	92.90	180.20	9,260.3	-2,510.9	938.0	390,564.75	761,331.95	32° 4' 18.307 N	103° 37' 23.163 W
12,132.0	90.80	180.00	9,257.3	-2,605.8	937.8	390,469.80	761,331.79	32° 4' 17.367 N	103° 37' 23.172 W
12,227.0	89.20	179.10	9,257.3	-2,700.8	938.5	390,374.81	761,332.53	32° 4' 16.427 N	103° 37' 23.171 W
12,323.0	88.50	178.80	9,259.2	-2,796.8	940.3	390,278.85	761,334.29	32° 4' 15.478 N	103° 37' 23.158 W
12,418.0	88.90	178.80	9,261.4	-2,891.7	942.3	390,183.89	761,336.28	32° 4' 14.538 N	103° 37' 23.142 W
12,513.0	89.40	179.10	9,262.8	-2,986.7	944.0	390,088.92	761,338.02	32° 4' 13.598 N	103° 37' 23.129 W
12,608.0	89.60	179.00	9,263.6	-3,081.7	945.6	389,993.93	761,339.60	32° 4' 12.658 N	103° 37' 23.118 W
12,703.0	90.70	179.80	9,263.3	-3,176.7	946.6	389,898.94	761,340.59	32° 4' 11.718 N	103° 37' 23.113 W
12,798.0	90.80	179.80	9,262.1	-3,271.6	946.9	389,803.95	761,340.92	32° 4' 10.778 N	103° 37' 23.117 W
12,893.0	92.50	180.00	9,259.4	-3,366.6	947.1	389,708.99	761,341.09	32° 4' 9.838 N	103° 37' 23.122 W
12,988.0	91.90	179.70	9,255.7	-3,461.5	947.3	389,614.07	761,341.34	32° 4' 8.899 N	103° 37' 23.127 W
13,083.0	87.70	178.30	9,256.1	-3,556.5	949.0	389,519.10	761,343.00	32° 4' 7.959 N	103° 37' 23.115 W
13,178.0	86.30	178.40	9,261.0	-3,651.3	951.7	389,424.28	761,345.73	32° 4' 7.020 N	103° 37' 23.090 W
13,273.0	86.10	178.80	9,267.3	-3,746.1	954.0	389,329.51	761,348.04	32° 4' 6.082 N	103° 37' 23.070 W
13,368.0	87.30	179.30	9,272.8	-3,840.9	955.6	389,234.69	761,349.62	32° 4' 5.144 N	103° 37' 23.059 W
13,463.0	86.80	177.70	9,277.7	-3,935.8	958.1	389,139.85	761,352.10	32° 4' 4.205 N	103° 37' 23.038 W
13,558.0	87.00	178.30	9,282.8	-4,030.6	961.4	389,045.04	761,355.41	32° 4' 3.267 N	103° 37' 23.007 W
13,653.0	87.80	178.30	9,287.1	-4,125.4	964.2	388,950.19	761,358.22	32° 4' 2.328 N	103° 37' 22.981 W
13,748.0	89.10	177.70	9,289.7	-4,220.3	967.5	388,855.28	761,361.54	32° 4' 1.389 N	103° 37' 22.950 W
13,843.0	89.10	177.20	9,291.2	-4,315.2	971.8	388,760.39	761,365.77	32° 4' 0.449 N	103° 37' 22.908 W
13,938.0	90.90	177.20	9,291.2	-4,410.1	976.4	388,665.50	761,370.41	32° 3' 59.510 N	103° 37' 22.861 W
14,033.0	91.50	177.60	9,289.2	-4,505.0	980.7	388,570.62	761,374.71	32° 3' 58.571 N	103° 37' 22.819 W
14,128.0	91.50	179.70	9,286.7	-4,599.9	983.0	388,475.69	761,376.95	32° 3' 57.631 N	103° 37' 22.800 W
14,223.0	92.20	180.40	9,283.6	-4,694.9	982.9	388,380.74	761,376.87	32° 3' 56.692 N	103° 37' 22.808 W
14,318.0	90.40	181.80	9,281.5	-4,789.8	981.0	388,285.79	761,375.05	32° 3' 55.752 N	103° 37' 22.836 W
14,413.0	89.10	182.10	9,281.9	-4,884.8	977.8	388,190.84	761,371.81	32° 3' 54.813 N	103° 37' 22.881 W
14,508.0	89.60	182.00	9,283.0	-4,979.7	974.4	388,095.91	761,368.41	32° 3' 53.874 N	103° 37' 22.928 W
14,604.0	89.30	181.40	9,283.9	-5,075.6	971.6	387,999.96	761,365.57	32° 3' 52.925 N	103° 37' 22.968 W
14,699.0	90.50	181.80	9,284.1	-5,170.6	968.9	387,905.00	761,362.91	32° 3' 51.985 N	103° 37' 23.007 W
14,793.0	91.20	181.80	9,282.7	-5,264.5	966.0	387,811.05	761,359.96	32° 3' 51.056 N	103° 37' 23.048 W
14,888.0	88.90	180.70	9,282.6	-5,359.5	963.9	387,716.09	761,357.89	32° 3' 50.116 N	103° 37' 23.079 W
14,983.0	88.30	179.50	9,284.9	-5,454.5	963.7	387,621.12	761,357.72	32° 3' 49.176 N	103° 37' 23.089 W
15,077.0	89.20	180.20	9,287.0	-5,548.5	964.0	387,527.14	761,357.97	32° 3' 48.246 N	103° 37' 23.093 W
15,172.0	88.90	180.20	9,288.5	-5,643.4	963.6	387,432.15	761,357.64	32° 3' 47.306 N	103° 37' 23.104 W
15,267.0	90.40	180.40	9,289.1	-5,738.4	963.1	387,337.16	761,357.14	32° 3' 46.366 N	103° 37' 23.117 W
15,362.0	90.90	180.50	9,288.0	-5,833.4	962.4	387,242.17	761,356.40	32° 3' 45.426 N	103° 37' 23.133 W
15,457.0	89.90	180.20	9,287.4	-5,928.4	961.8	387,147.17	761,355.81	32° 3' 44.486 N	103° 37' 23.147 W
15,552.0	87.80	179.30	9,289.3	-6,023.4	962.2	387,052.20	761,356.23	32° 3' 43.547 N	103° 37' 23.149 W
15,647.0	88.00	180.00	9,292.8	-6,118.3	962.8	386,957.27	761,356.81	32° 3' 42.607 N	103° 37' 23.150 W
15,742.0	87.30	180.00	9,296.7	-6,213.3	962.8	386,862.35	761,356.81	32° 3' 41.668 N	103° 37' 23.157 W
15,837.0	87.60	180.20	9,300.9	-6,308.2	962.6	386,767.44	761,356.64	32° 3' 40.729 N	103° 37' 23.166 W
15,932.0	88.60	180.50	9,304.0	-6,403.1	962.1	386,672.50	761,356.06	32° 3' 39.789 N	103° 37' 23.180 W
16,027.0	89.00	182.00	9,306.0	-6,498.1	960.0	386,577.54	761,353.99	32° 3' 38.850 N	103° 37' 23.212 W
16,122.0	87.60	180.90	9,308.8	-6,593.0	957.6	386,482.62	761,351.59	32° 3' 37.911 N	103° 37' 23.247 W
16,217.0	87.60	179.10	9,312.8	-6,687.9	957.6	386,387.71	761,351.59	32° 3' 36.971 N	103° 37' 23.254 W
16,312.0	88.50	178.80	9,316.1	-6,782.8	959.3	386,292.78	761,353.33	32° 3' 36.032 N	103° 37' 23.241 W



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16,407.0	90.60	179.10	9,316.8	-6,877.8	961.1	386,197.80	761,355.07	32° 3' 35.092 N	103° 37' 23.228 W
16,502.0	86.80	175.80	9,319.0	-6,972.6	965.3	386,102.95	761,359.29	32° 3' 34.153 N	103° 37' 23.186 W
16,597.0	86.50	176.00	9,324.5	-7,067.2	972.1	386,008.36	761,366.07	32° 3' 33.217 N	103° 37' 23.115 W
16,692.0	86.20	176.00	9,330.6	-7,161.8	978.7	385,913.78	761,372.68	32° 3' 32.280 N	103° 37' 23.045 W
16,787.0	86.40	176.30	9,336.7	-7,256.4	985.1	385,819.19	761,379.05	32° 3' 31.344 N	103° 37' 22.979 W
16,882.0	86.60	176.30	9,342.5	-7,351.0	991.2	385,724.57	761,385.17	32° 3' 30.407 N	103° 37' 22.915 W
16,977.0	88.70	177.40	9,346.4	-7,445.8	996.4	385,629.80	761,390.38	32° 3' 29.469 N	103° 37' 22.861 W
17,072.0	89.30	177.70	9,348.0	-7,540.7	1,000.4	385,534.90	761,394.44	32° 3' 28.530 N	103° 37' 22.821 W
17,168.0	89.30	177.60	9,349.2	-7,636.6	1,004.4	385,438.99	761,398.38	32° 3' 27.580 N	103° 37' 22.783 W
17,263.0	90.30	177.70	9,349.5	-7,731.5	1,008.3	385,344.07	761,402.28	32° 3' 26.641 N	103° 37' 22.745 W
17,358.0	91.10	178.10	9,348.4	-7,826.5	1,011.8	385,249.14	761,405.76	32° 3' 25.701 N	103° 37' 22.712 W
17,453.0	89.50	179.00	9,347.9	-7,921.4	1,014.2	385,154.18	761,408.16	32° 3' 24.761 N	103° 37' 22.691 W
17,548.0	89.40	179.10	9,348.8	-8,016.4	1,015.7	385,059.19	761,409.74	32° 3' 23.821 N	103° 37' 22.680 W
17,643.0	90.00	179.30	9,349.3	-8,111.4	1,017.1	384,964.21	761,411.06	32° 3' 22.881 N	103° 37' 22.672 W
17,738.0	91.20	180.00	9,348.3	-8,206.4	1,017.6	384,869.22	761,411.64	32° 3' 21.941 N	103° 37' 22.672 W
17,833.0	91.60	180.40	9,346.0	-8,301.4	1,017.3	384,774.24	761,411.31	32° 3' 21.001 N	103° 37' 22.684 W
17,928.0	89.80	181.10	9,344.8	-8,396.3	1,016.1	384,679.26	761,410.07	32° 3' 20.062 N	103° 37' 22.705 W
18,023.0	89.30	180.50	9,345.6	-8,491.3	1,014.7	384,584.28	761,408.74	32° 3' 19.122 N	103° 37' 22.728 W
18,118.0	89.20	180.20	9,346.8	-8,586.3	1,014.2	384,489.29	761,408.16	32° 3' 18.182 N	103° 37' 22.742 W
18,214.0	89.70	180.20	9,347.7	-8,682.3	1,013.8	384,393.29	761,407.83	32° 3' 17.232 N	103° 37' 22.753 W
18,309.0	88.90	180.00	9,348.9	-8,777.3	1,013.7	384,298.30	761,407.66	32° 3' 16.292 N	103° 37' 22.762 W
18,404.0	89.00	180.40	9,350.6	-8,872.3	1,013.3	384,203.32	761,407.33	32° 3' 15.352 N	103° 37' 22.774 W
18,499.0	88.30	179.80	9,352.9	-8,967.3	1,013.2	384,108.34	761,407.16	32° 3' 14.412 N	103° 37' 22.783 W
18,594.0	90.60	179.50	9,353.8	-9,062.2	1,013.7	384,013.36	761,407.74	32° 3' 13.472 N	103° 37' 22.783 W
18,689.0	91.50	179.50	9,352.0	-9,157.2	1,014.6	383,918.38	761,408.57	32° 3' 12.532 N	103° 37' 22.781 W
18,784.0	89.40	179.80	9,351.3	-9,252.2	1,015.2	383,823.39	761,409.15	32° 3' 11.592 N	103° 37' 22.781 W
18,879.0	89.50	179.70	9,352.2	-9,347.2	1,015.6	383,728.39	761,409.57	32° 3' 10.652 N	103° 37' 22.784 W
18,974.0	89.50	180.00	9,353.0	-9,442.2	1,015.8	383,633.40	761,409.81	32° 3' 9.712 N	103° 37' 22.788 W
19,069.0	90.40	180.50	9,353.1	-9,537.2	1,015.4	383,538.40	761,409.40	32° 3' 8.772 N	103° 37' 22.800 W
19,164.0	90.80	181.10	9,352.1	-9,632.2	1,014.1	383,443.41	761,408.07	32° 3' 7.832 N	103° 37' 22.823 W
19,259.0	90.70	181.10	9,350.9	-9,727.2	1,012.3	383,348.44	761,406.25	32° 3' 6.893 N	103° 37' 22.851 W
19,354.0	91.50	181.80	9,349.1	-9,822.1	1,009.9	383,253.49	761,403.85	32° 3' 5.953 N	103° 37' 22.887 W
19,450.0	90.00	181.20	9,347.8	-9,918.1	1,007.3	383,157.53	761,401.33	32° 3' 5.004 N	103° 37' 22.923 W
19,545.0	90.60	181.60	9,347.3	-10,013.0	1,005.0	383,062.56	761,399.01	32° 3' 4.064 N	103° 37' 22.957 W
19,640.0	91.00	181.60	9,346.0	-10,108.0	1,002.4	382,967.61	761,396.36	32° 3' 3.125 N	103° 37' 22.995 W
19,717.2	92.83	181.79	9,343.4	-10,185.1	1,000.1	382,890.49	761,394.08	32° 3' 2.362 N	103° 37' 23.028 W
100' HL Crossed @ 19717.2'MD / 9343.4' TVD									
19,720.0	92.90	181.80	9,343.3	-10,187.9	1,000.0	382,887.70	761,393.99	32° 3' 2.334 N	103° 37' 23.029 W
19,780.0	92.90	181.80	9,340.2	-10,247.8	998.1	382,827.80	761,392.11	32° 3' 1.742 N	103° 37' 23.056 W
TD @ 19780.0' MD / 9340.2' TVD									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
169.0	169.0	1.5	0.1	First MWD Survey @ 169.0' MD / 169.0' TVD
5,750.8	5,704.6	254.9	577.8	LL Crossed @ 5750.8'MD / 5704.6' TVD
9,111.0	9,025.9	316.3	914.2	100' HL Crossed @ 9111.0'MD / 9025.9' TVD
19,717.2	9,343.4	-10,185.1	1,000.1	100' HL Crossed @ 19717.2'MD / 9343.4' TVD
19,780.0	9,340.2	-10,247.8	998.1	TD @ 19780.0' MD / 9340.2' TVD



QES
Survey Report - Geographic



Company:	BTA Oil Producers, LLC	Local Co-ordinate Reference:	Well Mesa 8105 1-12 Fed #40H
Project:	Lea County, NM (NAD 83)	TVD Reference:	WELL @ 3380.0usft (Patterson #288)
Site:	Sec 1, T26-S, R32-E	MD Reference:	WELL @ 3380.0usft (Patterson #288)
Well:	Mesa 8105 1-12 Fed #40H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Checked By: _____ Approved By: _____ Date: _____

Well Name: MESA 8105 1-12 FED	Well Location: T26S / R32E / SEC 1 / NWNE / 32.078671 / -103.626076	County or Parish/State: LEA / NM
Well Number: 40H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM14492	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254690300X1	Well Status: Approved Application for Permit to Drill	Operator: BTA OIL PRODUCERS LLC

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 02/24/2021	Time Sundry Submitted: 01:29
Date Operation Actually Began: 11/25/2020	
Actual Procedure: TD @ 19,780' REACHED: 05/05/2020. PBTD: 19,761. 11/25/2021 THRU 12/18 /2021: PERFORATE AND FRAC UPPER WOLFCAMP: 9,540' - 19,707' WITH 577,500 TOTAL FLUID; 24.38MM#S 100 MESH SAND. 01/21/2021: COMPLETE DRILLOUT. 01/23/2021: START FLOWING BACK AND TESTING. 01/20/2021: 2 7/8" TUBING @ 8,774' ASIX PACKER @ 8,760"	

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: REDDELL	Signed on: FEB 24, 2021 01:27 PM
Name: BTA OIL PRODUCERS LLC	
Title: Regulatory Analyst	
Street Address: 104 S. Pecos	
City: Midland	State: TX
Phone: (432) 682-3753	
Email address: NOT ENTERED	

Field Representative

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

Well Name: MESA 8105 1-12 FED	Well Location: T26S / R32E / SEC 1 / NWNE / 32.078671 / -103.626076	County or Parish/State: LEA / NM
Well Number: 40H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM14492	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254690300X1	Well Status: Approved Application for Permit to Drill	Operator: BTA OIL PRODUCERS LLC

CONFIDENTIAL

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: 40H		
8. Name of Operator BTA OIL PRODUCERS, LLC						9. OGRID 260297				
10. Address of Operator 104 S. PECOS; MIDLAND, TX. 79701						11. Pool name or Wildcat SANDERS TANK-UPPER WOLFCAMP				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	B	1	26S	32E		406	N	1916	E	LEA
BH:	P	12	26S	33E		39.3	S	1010	E	LEA
13. Date Spudded 5/18/2020	14. Date T.D. Reached 5/5/2020		15. Date Rig Released 5/9/2020		16. Date Completed (Ready to Produce) 1/23/2021			17. Elevations (DF and RKB, RT, GR, etc.) 3355 GR		
18. Total Measured Depth of Well 19,780'			19. Plug Back Measured Depth 19,761'		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 9,540' – 19,707' 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		1140		17 1/2		990		
9 5/8				4856		12 1/4		1335		
5.1/2				19765		8 3/4		2985		
5				19765		8 3/4		2985		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET	
26. Perforation record (interval, size, and number)						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
28. PRODUCTION										
Date First Production 1/23/2021		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 275	Gas - MCF 568	Water - Bbl. 2163		Gas - Oil Ratio		
Flow Tubing Press. 610	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl. 275	Gas - MCF 568	Water - Bbl. 2163		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 1/26/2021
 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 4833_	T. Ojo Alamo_____	T. Penn A"_____
T. Salt_1274_	T. Strawn_____	T. Kirtland_____	T. Penn. "B"_____
B. Salt_4625_	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_4807_	T. Morrison_____	
T. Drinkard_____	T. Bone Springs_9034_	T. Todilto_____	
T. Abo_____	T. _____	T. Entrada_____	
T. Wolfcamp_12011_	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 22199

ACKNOWLEDGMENTS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 22199
	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 22199

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 22199
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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